

 **ANALYTICAL REPORT****PREPARED FOR**

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209 Shafter St
Islandia NY 11749

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JOB DESCRIPTION

Inwood - Lot 9

JOB NUMBER

460-270515-1

Eurofins Edison

Job Notes

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Authorization



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CASE NARRATIVE

Client: Roux Environmental Eng & Geology DPC

Project: Inwood - Lot 9

Report Number: 460-270515-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 12/1/2022 6:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 11.0° C.

Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. No TAT listed on the COC.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS)

Samples BCS-09-11_(5-5.5)P (460-270515-1), BCS-09-12_(5-5.5)P (460-270515-2), BCS-09-13_(5-5.5)P (460-270515-3), BCS-09-14_(5-5.5)P (460-270515-4), BCS-09-15_(5-5.5)P (460-270515-5) and BCS-09-16_(5-5.5)P (460-270515-6) were analyzed for Per- and Polyfluoroalkyl Substances (PFAS) in accordance with PFC-IDA - 537 (modified). The samples were prepared on 12/07/2022 and analyzed on 12/08/2022.

The "I" qualifier associated with samples BCS-09-11_(5-5.5)P (460-270515-1) and BCS-09-16_(5-5.5)P (460-270515-6) is applied because the transition mass ratio for the indicated analyte(s) was outside of the established ratio limits. The qualitative identification has some degree of uncertainty, however analyst judgment was used to positively identify the analyte(s).

No difficulties were encountered during the PFAS analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples BCS-09-11_(5-5.5)P (460-270515-1), BCS-09-12_(5-5.5)P (460-270515-2), BCS-09-13_(5-5.5)P (460-270515-3), BCS-09-14_(5-5.5)P (460-270515-4), BCS-09-15_(5-5.5)P (460-270515-5) and BCS-09-16_(5-5.5)P (460-270515-6) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 12/05/2022.

No difficulties were encountered during the %solids/moisture analysis.

All quality control parameters were within the acceptance limits.

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Inwood - Lot 9

Job ID: 460-270515-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-270515-1	BCS-09-11_(5-5.5)P	Solid	12/01/22 12:26	12/01/22 18:00
460-270515-2	BCS-09-12_(5-5.5)P	Solid	12/01/22 12:11	12/01/22 18:00
460-270515-3	BCS-09-13_(5-5.5)P	Solid	12/01/22 12:01	12/01/22 18:00
460-270515-4	BCS-09-14_(5-5.5)P	Solid	12/01/22 12:21	12/01/22 18:00
460-270515-5	BCS-09-15_(5-5.5)P	Solid	12/01/22 12:16	12/01/22 18:00
460-270515-6	BCS-09-16_(5-5.5)P	Solid	12/01/22 12:31	12/01/22 18:00

Detection Summary

Client: Roux Environmental Eng & Geology DPC
 Project/Site: Inwood - Lot 9

Job ID: 460-270515-1

Client Sample ID: BCS-09-11_(5-5.5)P

Lab Sample ID: 460-270515-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.059	J	0.26	0.059	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.11	J	0.26	0.074	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorodecanesulfonic acid (PFDS)	0.42		0.26	0.024	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanesulfonamide (FOSA)	0.073	J	0.26	0.044	ug/Kg	1	☼	537 (modified)	Total/NA
N-ethylperfluorooctanesulfonamidoacetic acid (NETFOSAA)	0.18	J	2.56	0.11	ug/Kg	1	☼	537 (modified)	Total/NA

Client Sample ID: BCS-09-12_(5-5.5)P

Lab Sample ID: 460-270515-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.055	J	0.24	0.055	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorodecanesulfonic acid (PFDS)	0.059	J	0.24	0.023	ug/Kg	1	☼	537 (modified)	Total/NA

Client Sample ID: BCS-09-13_(5-5.5)P

Lab Sample ID: 460-270515-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.068	J	0.23	0.064	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.075	J	0.23	0.054	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.10	J	0.23	0.068	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.040	J	0.23	0.033	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorododecanoic acid (PFDoA)	0.031	J	0.23	0.029	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorodecanesulfonic acid (PFDS)	0.15	J	0.23	0.022	ug/Kg	1	☼	537 (modified)	Total/NA

Client Sample ID: BCS-09-14_(5-5.5)P

Lab Sample ID: 460-270515-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.075	J	0.23	0.064	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.090	J	0.23	0.054	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.12	J	0.23	0.068	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.043	J	0.23	0.033	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorodecanesulfonic acid (PFDS)	0.21	J	0.23	0.022	ug/Kg	1	☼	537 (modified)	Total/NA

Client Sample ID: BCS-09-15_(5-5.5)P

Lab Sample ID: 460-270515-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonamide (FOSA)	0.037	J	0.21	0.036	ug/Kg	1	☼	537 (modified)	Total/NA

Client Sample ID: BCS-09-16_(5-5.5)P

Lab Sample ID: 460-270515-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.063	J	0.24	0.056	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.12	J	0.24	0.070	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.064	J	0.24	0.034	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.14	J	0.24	0.13	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorodecanesulfonic acid (PFDS)	0.072	J	0.24	0.023	ug/Kg	1	☼	537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Inwood - Lot 9

Job ID: 460-270515-1

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET BUR
Moisture	Percent Moisture	EPA	EET BUR
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	EET BUR

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Client Sample Results

Client: Roux Environmental Eng & Geology DPC
 Project/Site: Inwood - Lot 9

Job ID: 460-270515-1

Client Sample ID: BCS-09-11_(5-5.5)P

Lab Sample ID: 460-270515-1

Date Collected: 12/01/22 12:26

Matrix: Solid

Date Received: 12/01/22 18:00

Percent Solids: 74.3

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.64	U	0.64	0.42	ug/Kg	☼	12/07/22 08:59	12/08/22 17:56	1
Perfluoropentanoic acid (PFPeA)	0.26	U	0.26	0.070	ug/Kg	☼	12/07/22 08:59	12/08/22 17:56	1
Perfluorohexanoic acid (PFHxA)	0.059	J	0.26	0.059	ug/Kg	☼	12/07/22 08:59	12/08/22 17:56	1
Perfluoroheptanoic acid (PFHpA)	0.26	U	0.26	0.050	ug/Kg	☼	12/07/22 08:59	12/08/22 17:56	1
Perfluorooctanoic acid (PFOA)	0.11	J	0.26	0.074	ug/Kg	☼	12/07/22 08:59	12/08/22 17:56	1
Perfluorononanoic acid (PFNA)	0.26	U	0.26	0.044	ug/Kg	☼	12/07/22 08:59	12/08/22 17:56	1
Perfluorodecanoic acid (PFDA)	0.26	U	0.26	0.036	ug/Kg	☼	12/07/22 08:59	12/08/22 17:56	1
Perfluoroundecanoic acid (PFUnA)	0.26	U	0.26	0.035	ug/Kg	☼	12/07/22 08:59	12/08/22 17:56	1
Perfluorododecanoic acid (PFDoA)	0.26	U	0.26	0.032	ug/Kg	☼	12/07/22 08:59	12/08/22 17:56	1
Perfluorotridecanoic acid (PFTriA)	0.26	U	0.26	0.032	ug/Kg	☼	12/07/22 08:59	12/08/22 17:56	1
Perfluorotetradecanoic acid (PFTeA)	0.26	U	0.26	0.033	ug/Kg	☼	12/07/22 08:59	12/08/22 17:56	1
Perfluorobutanesulfonic acid (PFBS)	0.26	U	0.26	0.042	ug/Kg	☼	12/07/22 08:59	12/08/22 17:56	1
Perfluorohexanesulfonic acid (PFHxS)	0.26	U	0.26	0.052	ug/Kg	☼	12/07/22 08:59	12/08/22 17:56	1
Perfluoroheptanesulfonic acid (PFHpS)	0.26	U	0.26	0.029	ug/Kg	☼	12/07/22 08:59	12/08/22 17:56	1
Perfluorooctanesulfonic acid (PFOS)	0.26	U	0.26	0.14	ug/Kg	☼	12/07/22 08:59	12/08/22 17:56	1
Perfluorodecanesulfonic acid (PFDS)	0.42		0.26	0.024	ug/Kg	☼	12/07/22 08:59	12/08/22 17:56	1
Perfluorooctanesulfonamide (FOSA)	0.073	J	0.26	0.044	ug/Kg	☼	12/07/22 08:59	12/08/22 17:56	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.56	U	2.56	0.14	ug/Kg	☼	12/07/22 08:59	12/08/22 17:56	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.18	J	2.56	0.11	ug/Kg	☼	12/07/22 08:59	12/08/22 17:56	1
6:2 FTS	2.56	U	2.56	0.073	ug/Kg	☼	12/07/22 08:59	12/08/22 17:56	1
8:2 FTS	2.56	U	2.56	0.047	ug/Kg	☼	12/07/22 08:59	12/08/22 17:56	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	95		50 - 150	12/07/22 08:59	12/08/22 17:56	1
13C4 PFHpA	95		50 - 150	12/07/22 08:59	12/08/22 17:56	1
13C4 PFOA	94		50 - 150	12/07/22 08:59	12/08/22 17:56	1
13C4 PFOS	94		50 - 150	12/07/22 08:59	12/08/22 17:56	1
13C5 PFNA	96		50 - 150	12/07/22 08:59	12/08/22 17:56	1
13C4 PFBA	91		50 - 150	12/07/22 08:59	12/08/22 17:56	1
13C2 PFHxA	98		50 - 150	12/07/22 08:59	12/08/22 17:56	1
13C2 PFDA	100		50 - 150	12/07/22 08:59	12/08/22 17:56	1
13C2 PFUnA	96		50 - 150	12/07/22 08:59	12/08/22 17:56	1
13C2 PFDoA	100		50 - 150	12/07/22 08:59	12/08/22 17:56	1
13C8 FOSA	92		50 - 150	12/07/22 08:59	12/08/22 17:56	1
13C5 PFPeA	86		50 - 150	12/07/22 08:59	12/08/22 17:56	1
13C2 PFTeDA	104		50 - 150	12/07/22 08:59	12/08/22 17:56	1
d3-NMeFOSAA	98		50 - 150	12/07/22 08:59	12/08/22 17:56	1
d5-NEtFOSAA	101		50 - 150	12/07/22 08:59	12/08/22 17:56	1
M2-6:2 FTS	101		50 - 150	12/07/22 08:59	12/08/22 17:56	1
M2-8:2 FTS	102		50 - 150	12/07/22 08:59	12/08/22 17:56	1
13C3 PFBS	91		50 - 150	12/07/22 08:59	12/08/22 17:56	1

Client Sample Results

Client: Roux Environmental Eng & Geology DPC
 Project/Site: Inwood - Lot 9

Job ID: 460-270515-1

Client Sample ID: BCS-09-12_(5-5.5)P

Lab Sample ID: 460-270515-2

Date Collected: 12/01/22 12:11

Matrix: Solid

Date Received: 12/01/22 18:00

Percent Solids: 81.7

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.60	U	0.60	0.40	ug/Kg	☼	12/07/22 08:59	12/08/22 18:04	1
Perfluoropentanoic acid (PFPeA)	0.24	U	0.24	0.066	ug/Kg	☼	12/07/22 08:59	12/08/22 18:04	1
Perfluorohexanoic acid (PFHxA)	0.055	J	0.24	0.055	ug/Kg	☼	12/07/22 08:59	12/08/22 18:04	1
Perfluoroheptanoic acid (PFHpA)	0.24	U	0.24	0.047	ug/Kg	☼	12/07/22 08:59	12/08/22 18:04	1
Perfluorooctanoic acid (PFOA)	0.24	U	0.24	0.069	ug/Kg	☼	12/07/22 08:59	12/08/22 18:04	1
Perfluorononanoic acid (PFNA)	0.24	U	0.24	0.041	ug/Kg	☼	12/07/22 08:59	12/08/22 18:04	1
Perfluorodecanoic acid (PFDA)	0.24	U	0.24	0.034	ug/Kg	☼	12/07/22 08:59	12/08/22 18:04	1
Perfluoroundecanoic acid (PFUnA)	0.24	U	0.24	0.032	ug/Kg	☼	12/07/22 08:59	12/08/22 18:04	1
Perfluorododecanoic acid (PFDoA)	0.24	U	0.24	0.030	ug/Kg	☼	12/07/22 08:59	12/08/22 18:04	1
Perfluorotridecanoic acid (PFTriA)	0.24	U	0.24	0.030	ug/Kg	☼	12/07/22 08:59	12/08/22 18:04	1
Perfluorotetradecanoic acid (PFTeA)	0.24	U	0.24	0.031	ug/Kg	☼	12/07/22 08:59	12/08/22 18:04	1
Perfluorobutanesulfonic acid (PFBS)	0.24	U	0.24	0.040	ug/Kg	☼	12/07/22 08:59	12/08/22 18:04	1
Perfluorohexanesulfonic acid (PFHxS)	0.24	U	0.24	0.049	ug/Kg	☼	12/07/22 08:59	12/08/22 18:04	1
Perfluoroheptanesulfonic acid (PFHpS)	0.24	U	0.24	0.028	ug/Kg	☼	12/07/22 08:59	12/08/22 18:04	1
Perfluorooctanesulfonic acid (PFOS)	0.24	U	0.24	0.13	ug/Kg	☼	12/07/22 08:59	12/08/22 18:04	1
Perfluorodecanesulfonic acid (PFDS)	0.059	J	0.24	0.023	ug/Kg	☼	12/07/22 08:59	12/08/22 18:04	1
Perfluorooctanesulfonamide (FOSA)	0.24	U	0.24	0.041	ug/Kg	☼	12/07/22 08:59	12/08/22 18:04	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.39	U	2.39	0.13	ug/Kg	☼	12/07/22 08:59	12/08/22 18:04	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.39	U	2.39	0.099	ug/Kg	☼	12/07/22 08:59	12/08/22 18:04	1
6:2 FTS	2.39	U	2.39	0.068	ug/Kg	☼	12/07/22 08:59	12/08/22 18:04	1
8:2 FTS	2.39	U	2.39	0.044	ug/Kg	☼	12/07/22 08:59	12/08/22 18:04	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	90		50 - 150				12/07/22 08:59	12/08/22 18:04	1
13C4 PFHpA	93		50 - 150				12/07/22 08:59	12/08/22 18:04	1
13C4 PFOA	93		50 - 150				12/07/22 08:59	12/08/22 18:04	1
13C4 PFOS	90		50 - 150				12/07/22 08:59	12/08/22 18:04	1
13C5 PFNA	93		50 - 150				12/07/22 08:59	12/08/22 18:04	1
13C4 PFBA	86		50 - 150				12/07/22 08:59	12/08/22 18:04	1
13C2 PFHxA	91		50 - 150				12/07/22 08:59	12/08/22 18:04	1
13C2 PFDA	99		50 - 150				12/07/22 08:59	12/08/22 18:04	1
13C2 PFUnA	95		50 - 150				12/07/22 08:59	12/08/22 18:04	1
13C2 PFDoA	89		50 - 150				12/07/22 08:59	12/08/22 18:04	1
13C8 FOSA	80		50 - 150				12/07/22 08:59	12/08/22 18:04	1
13C5 PFPeA	84		50 - 150				12/07/22 08:59	12/08/22 18:04	1
13C2 PFTeDA	86		50 - 150				12/07/22 08:59	12/08/22 18:04	1
d3-NMeFOSAA	89		50 - 150				12/07/22 08:59	12/08/22 18:04	1
d5-NEtFOSAA	88		50 - 150				12/07/22 08:59	12/08/22 18:04	1
M2-6:2 FTS	88		50 - 150				12/07/22 08:59	12/08/22 18:04	1
M2-8:2 FTS	95		50 - 150				12/07/22 08:59	12/08/22 18:04	1
13C3 PFBS	86		50 - 150				12/07/22 08:59	12/08/22 18:04	1

Client Sample Results

Client: Roux Environmental Eng & Geology DPC
 Project/Site: Inwood - Lot 9

Job ID: 460-270515-1

Client Sample ID: BCS-09-13_(5-5.5)P

Lab Sample ID: 460-270515-3

Date Collected: 12/01/22 12:01

Matrix: Solid

Date Received: 12/01/22 18:00

Percent Solids: 81.6

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.58	U	0.58	0.39	ug/Kg	☼	12/07/22 08:59	12/08/22 18:13	1
Perfluoropentanoic acid (PFPeA)	0.068	J	0.23	0.064	ug/Kg	☼	12/07/22 08:59	12/08/22 18:13	1
Perfluorohexanoic acid (PFHxA)	0.075	J	0.23	0.054	ug/Kg	☼	12/07/22 08:59	12/08/22 18:13	1
Perfluoroheptanoic acid (PFHpA)	0.23	U	0.23	0.046	ug/Kg	☼	12/07/22 08:59	12/08/22 18:13	1
Perfluorooctanoic acid (PFOA)	0.10	J	0.23	0.068	ug/Kg	☼	12/07/22 08:59	12/08/22 18:13	1
Perfluorononanoic acid (PFNA)	0.23	U	0.23	0.040	ug/Kg	☼	12/07/22 08:59	12/08/22 18:13	1
Perfluorodecanoic acid (PFDA)	0.040	J	0.23	0.033	ug/Kg	☼	12/07/22 08:59	12/08/22 18:13	1
Perfluoroundecanoic acid (PFUnA)	0.23	U	0.23	0.032	ug/Kg	☼	12/07/22 08:59	12/08/22 18:13	1
Perfluorododecanoic acid (PFDoA)	0.031	J	0.23	0.029	ug/Kg	☼	12/07/22 08:59	12/08/22 18:13	1
Perfluorotridecanoic acid (PFTriA)	0.23	U	0.23	0.029	ug/Kg	☼	12/07/22 08:59	12/08/22 18:13	1
Perfluorotetradecanoic acid (PFTeA)	0.23	U	0.23	0.030	ug/Kg	☼	12/07/22 08:59	12/08/22 18:13	1
Perfluorobutanesulfonic acid (PFBS)	0.23	U	0.23	0.039	ug/Kg	☼	12/07/22 08:59	12/08/22 18:13	1
Perfluorohexanesulfonic acid (PFHxS)	0.23	U	0.23	0.048	ug/Kg	☼	12/07/22 08:59	12/08/22 18:13	1
Perfluoroheptanesulfonic acid (PFHpS)	0.23	U	0.23	0.027	ug/Kg	☼	12/07/22 08:59	12/08/22 18:13	1
Perfluorooctanesulfonic acid (PFOS)	0.23	U	0.23	0.13	ug/Kg	☼	12/07/22 08:59	12/08/22 18:13	1
Perfluorodecanesulfonic acid (PFDS)	0.15	J	0.23	0.022	ug/Kg	☼	12/07/22 08:59	12/08/22 18:13	1
Perfluorooctanesulfonamide (FOSA)	0.23	U	0.23	0.040	ug/Kg	☼	12/07/22 08:59	12/08/22 18:13	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.34	U	2.34	0.13	ug/Kg	☼	12/07/22 08:59	12/08/22 18:13	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.34	U	2.34	0.097	ug/Kg	☼	12/07/22 08:59	12/08/22 18:13	1
6:2 FTS	2.34	U	2.34	0.067	ug/Kg	☼	12/07/22 08:59	12/08/22 18:13	1
8:2 FTS	2.34	U	2.34	0.043	ug/Kg	☼	12/07/22 08:59	12/08/22 18:13	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	90		50 - 150				12/07/22 08:59	12/08/22 18:13	1
13C4 PFHpA	89		50 - 150				12/07/22 08:59	12/08/22 18:13	1
13C4 PFOA	91		50 - 150				12/07/22 08:59	12/08/22 18:13	1
13C4 PFOS	86		50 - 150				12/07/22 08:59	12/08/22 18:13	1
13C5 PFNA	93		50 - 150				12/07/22 08:59	12/08/22 18:13	1
13C4 PFBA	83		50 - 150				12/07/22 08:59	12/08/22 18:13	1
13C2 PFHxA	90		50 - 150				12/07/22 08:59	12/08/22 18:13	1
13C2 PFDA	93		50 - 150				12/07/22 08:59	12/08/22 18:13	1
13C2 PFUnA	95		50 - 150				12/07/22 08:59	12/08/22 18:13	1
13C2 PFDoA	93		50 - 150				12/07/22 08:59	12/08/22 18:13	1
13C8 FOSA	82		50 - 150				12/07/22 08:59	12/08/22 18:13	1
13C5 PFPeA	82		50 - 150				12/07/22 08:59	12/08/22 18:13	1
13C2 PFTeDA	102		50 - 150				12/07/22 08:59	12/08/22 18:13	1
d3-NMeFOSAA	89		50 - 150				12/07/22 08:59	12/08/22 18:13	1
d5-NEtFOSAA	94		50 - 150				12/07/22 08:59	12/08/22 18:13	1
M2-6:2 FTS	91		50 - 150				12/07/22 08:59	12/08/22 18:13	1
M2-8:2 FTS	102		50 - 150				12/07/22 08:59	12/08/22 18:13	1
13C3 PFBS	90		50 - 150				12/07/22 08:59	12/08/22 18:13	1

Client Sample Results

Client: Roux Environmental Eng & Geology DPC
 Project/Site: Inwood - Lot 9

Job ID: 460-270515-1

Client Sample ID: BCS-09-14_(5-5.5)P

Lab Sample ID: 460-270515-4

Date Collected: 12/01/22 12:21

Matrix: Solid

Date Received: 12/01/22 18:00

Percent Solids: 85.1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.58	U	0.58	0.38	ug/Kg	☼	12/07/22 08:59	12/08/22 18:21	1
Perfluoropentanoic acid (PFPeA)	0.075	J	0.23	0.064	ug/Kg	☼	12/07/22 08:59	12/08/22 18:21	1
Perfluorohexanoic acid (PFHxA)	0.090	J	0.23	0.054	ug/Kg	☼	12/07/22 08:59	12/08/22 18:21	1
Perfluoroheptanoic acid (PFHpA)	0.23	U	0.23	0.045	ug/Kg	☼	12/07/22 08:59	12/08/22 18:21	1
Perfluorooctanoic acid (PFOA)	0.12	J	0.23	0.068	ug/Kg	☼	12/07/22 08:59	12/08/22 18:21	1
Perfluorononanoic acid (PFNA)	0.23	U	0.23	0.040	ug/Kg	☼	12/07/22 08:59	12/08/22 18:21	1
Perfluorodecanoic acid (PFDA)	0.043	J	0.23	0.033	ug/Kg	☼	12/07/22 08:59	12/08/22 18:21	1
Perfluoroundecanoic acid (PFUnA)	0.23	U	0.23	0.031	ug/Kg	☼	12/07/22 08:59	12/08/22 18:21	1
Perfluorododecanoic acid (PFDoA)	0.23	U	0.23	0.029	ug/Kg	☼	12/07/22 08:59	12/08/22 18:21	1
Perfluorotridecanoic acid (PFTriA)	0.23	U	0.23	0.029	ug/Kg	☼	12/07/22 08:59	12/08/22 18:21	1
Perfluorotetradecanoic acid (PFTeA)	0.23	U	0.23	0.030	ug/Kg	☼	12/07/22 08:59	12/08/22 18:21	1
Perfluorobutanesulfonic acid (PFBS)	0.23	U	0.23	0.038	ug/Kg	☼	12/07/22 08:59	12/08/22 18:21	1
Perfluorohexanesulfonic acid (PFHxS)	0.23	U	0.23	0.048	ug/Kg	☼	12/07/22 08:59	12/08/22 18:21	1
Perfluoroheptanesulfonic acid (PFHpS)	0.23	U	0.23	0.027	ug/Kg	☼	12/07/22 08:59	12/08/22 18:21	1
Perfluorooctanesulfonic acid (PFOS)	0.23	U	0.23	0.13	ug/Kg	☼	12/07/22 08:59	12/08/22 18:21	1
Perfluorodecanesulfonic acid (PFDS)	0.21	J	0.23	0.022	ug/Kg	☼	12/07/22 08:59	12/08/22 18:21	1
Perfluorooctanesulfonamide (FOSA)	0.23	U	0.23	0.040	ug/Kg	☼	12/07/22 08:59	12/08/22 18:21	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.33	U	2.33	0.13	ug/Kg	☼	12/07/22 08:59	12/08/22 18:21	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.33	U	2.33	0.097	ug/Kg	☼	12/07/22 08:59	12/08/22 18:21	1
6:2 FTS	2.33	U	2.33	0.066	ug/Kg	☼	12/07/22 08:59	12/08/22 18:21	1
8:2 FTS	2.33	U	2.33	0.043	ug/Kg	☼	12/07/22 08:59	12/08/22 18:21	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	86		50 - 150				12/07/22 08:59	12/08/22 18:21	1
13C4 PFHpA	86		50 - 150				12/07/22 08:59	12/08/22 18:21	1
13C4 PFOA	88		50 - 150				12/07/22 08:59	12/08/22 18:21	1
13C4 PFOS	84		50 - 150				12/07/22 08:59	12/08/22 18:21	1
13C5 PFNA	89		50 - 150				12/07/22 08:59	12/08/22 18:21	1
13C4 PFBA	83		50 - 150				12/07/22 08:59	12/08/22 18:21	1
13C2 PFHxA	89		50 - 150				12/07/22 08:59	12/08/22 18:21	1
13C2 PFDA	96		50 - 150				12/07/22 08:59	12/08/22 18:21	1
13C2 PFUnA	97		50 - 150				12/07/22 08:59	12/08/22 18:21	1
13C2 PFDoA	96		50 - 150				12/07/22 08:59	12/08/22 18:21	1
13C8 FOSA	82		50 - 150				12/07/22 08:59	12/08/22 18:21	1
13C5 PFPeA	80		50 - 150				12/07/22 08:59	12/08/22 18:21	1
13C2 PFTeDA	99		50 - 150				12/07/22 08:59	12/08/22 18:21	1
d3-NMeFOSAA	87		50 - 150				12/07/22 08:59	12/08/22 18:21	1
d5-NEtFOSAA	94		50 - 150				12/07/22 08:59	12/08/22 18:21	1
M2-6:2 FTS	87		50 - 150				12/07/22 08:59	12/08/22 18:21	1
M2-8:2 FTS	93		50 - 150				12/07/22 08:59	12/08/22 18:21	1
13C3 PFBS	82		50 - 150				12/07/22 08:59	12/08/22 18:21	1

Client Sample Results

Client: Roux Environmental Eng & Geology DPC
 Project/Site: Inwood - Lot 9

Job ID: 460-270515-1

Client Sample ID: BCS-09-15_(5-5.5)P

Lab Sample ID: 460-270515-5

Date Collected: 12/01/22 12:16

Matrix: Solid

Date Received: 12/01/22 18:00

Percent Solids: 90.1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.53	U	0.53	0.35	ug/Kg	☼	12/07/22 08:59	12/08/22 18:29	1
Perfluoropentanoic acid (PFPeA)	0.21	U	0.21	0.058	ug/Kg	☼	12/07/22 08:59	12/08/22 18:29	1
Perfluorohexanoic acid (PFHxA)	0.21	U	0.21	0.049	ug/Kg	☼	12/07/22 08:59	12/08/22 18:29	1
Perfluoroheptanoic acid (PFHpA)	0.21	U	0.21	0.041	ug/Kg	☼	12/07/22 08:59	12/08/22 18:29	1
Perfluorooctanoic acid (PFOA)	0.21	U	0.21	0.062	ug/Kg	☼	12/07/22 08:59	12/08/22 18:29	1
Perfluorononanoic acid (PFNA)	0.21	U	0.21	0.036	ug/Kg	☼	12/07/22 08:59	12/08/22 18:29	1
Perfluorodecanoic acid (PFDA)	0.21	U	0.21	0.030	ug/Kg	☼	12/07/22 08:59	12/08/22 18:29	1
Perfluoroundecanoic acid (PFUnA)	0.21	U	0.21	0.029	ug/Kg	☼	12/07/22 08:59	12/08/22 18:29	1
Perfluorododecanoic acid (PFDoA)	0.21	U	0.21	0.027	ug/Kg	☼	12/07/22 08:59	12/08/22 18:29	1
Perfluorotridecanoic acid (PFTriA)	0.21	U	0.21	0.027	ug/Kg	☼	12/07/22 08:59	12/08/22 18:29	1
Perfluorotetradecanoic acid (PFTeA)	0.21	U	0.21	0.028	ug/Kg	☼	12/07/22 08:59	12/08/22 18:29	1
Perfluorobutanesulfonic acid (PFBS)	0.21	U	0.21	0.035	ug/Kg	☼	12/07/22 08:59	12/08/22 18:29	1
Perfluorohexanesulfonic acid (PFHxS)	0.21	U	0.21	0.043	ug/Kg	☼	12/07/22 08:59	12/08/22 18:29	1
Perfluoroheptanesulfonic acid (PFHpS)	0.21	U	0.21	0.024	ug/Kg	☼	12/07/22 08:59	12/08/22 18:29	1
Perfluorooctanesulfonic acid (PFOS)	0.21	U	0.21	0.12	ug/Kg	☼	12/07/22 08:59	12/08/22 18:29	1
Perfluorodecanesulfonic acid (PFDS)	0.21	U	0.21	0.020	ug/Kg	☼	12/07/22 08:59	12/08/22 18:29	1
Perfluorooctanesulfonamide (FOSA)	0.037	J	0.21	0.036	ug/Kg	☼	12/07/22 08:59	12/08/22 18:29	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.12	U	2.12	0.12	ug/Kg	☼	12/07/22 08:59	12/08/22 18:29	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.12	U	2.12	0.088	ug/Kg	☼	12/07/22 08:59	12/08/22 18:29	1
6:2 FTS	2.12	U	2.12	0.060	ug/Kg	☼	12/07/22 08:59	12/08/22 18:29	1
8:2 FTS	2.12	U	2.12	0.039	ug/Kg	☼	12/07/22 08:59	12/08/22 18:29	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	87		50 - 150				12/07/22 08:59	12/08/22 18:29	1
13C4 PFHpA	92		50 - 150				12/07/22 08:59	12/08/22 18:29	1
13C4 PFOA	89		50 - 150				12/07/22 08:59	12/08/22 18:29	1
13C4 PFOS	82		50 - 150				12/07/22 08:59	12/08/22 18:29	1
13C5 PFNA	93		50 - 150				12/07/22 08:59	12/08/22 18:29	1
13C4 PFBA	81		50 - 150				12/07/22 08:59	12/08/22 18:29	1
13C2 PFHxA	89		50 - 150				12/07/22 08:59	12/08/22 18:29	1
13C2 PFDA	92		50 - 150				12/07/22 08:59	12/08/22 18:29	1
13C2 PFUnA	90		50 - 150				12/07/22 08:59	12/08/22 18:29	1
13C2 PFDoA	75		50 - 150				12/07/22 08:59	12/08/22 18:29	1
13C8 FOSA	78		50 - 150				12/07/22 08:59	12/08/22 18:29	1
13C5 PFPeA	83		50 - 150				12/07/22 08:59	12/08/22 18:29	1
13C2 PFTeDA	79		50 - 150				12/07/22 08:59	12/08/22 18:29	1
d3-NMeFOSAA	86		50 - 150				12/07/22 08:59	12/08/22 18:29	1
d5-NEtFOSAA	84		50 - 150				12/07/22 08:59	12/08/22 18:29	1
M2-6:2 FTS	99		50 - 150				12/07/22 08:59	12/08/22 18:29	1
M2-8:2 FTS	81		50 - 150				12/07/22 08:59	12/08/22 18:29	1
13C3 PFBS	82		50 - 150				12/07/22 08:59	12/08/22 18:29	1

Client Sample Results

Client: Roux Environmental Eng & Geology DPC
 Project/Site: Inwood - Lot 9

Job ID: 460-270515-1

Client Sample ID: BCS-09-16_(5-5.5)P

Lab Sample ID: 460-270515-6

Date Collected: 12/01/22 12:31

Matrix: Solid

Date Received: 12/01/22 18:00

Percent Solids: 81.6

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.61	U	0.61	0.40	ug/Kg	☼	12/07/22 08:59	12/08/22 18:37	1
Perfluoropentanoic acid (PFPeA)	0.24	U	0.24	0.067	ug/Kg	☼	12/07/22 08:59	12/08/22 18:37	1
Perfluorohexanoic acid (PFHxA)	0.063	J	0.24	0.056	ug/Kg	☼	12/07/22 08:59	12/08/22 18:37	1
Perfluoroheptanoic acid (PFHpA)	0.24	U	0.24	0.047	ug/Kg	☼	12/07/22 08:59	12/08/22 18:37	1
Perfluorooctanoic acid (PFOA)	0.12	J	0.24	0.070	ug/Kg	☼	12/07/22 08:59	12/08/22 18:37	1
Perfluorononanoic acid (PFNA)	0.24	U	0.24	0.041	ug/Kg	☼	12/07/22 08:59	12/08/22 18:37	1
Perfluorodecanoic acid (PFDA)	0.064	J	0.24	0.034	ug/Kg	☼	12/07/22 08:59	12/08/22 18:37	1
Perfluoroundecanoic acid (PFUnA)	0.24	U	0.24	0.033	ug/Kg	☼	12/07/22 08:59	12/08/22 18:37	1
Perfluorododecanoic acid (PFDoA)	0.24	U	0.24	0.030	ug/Kg	☼	12/07/22 08:59	12/08/22 18:37	1
Perfluorotridecanoic acid (PFTriA)	0.24	U	0.24	0.030	ug/Kg	☼	12/07/22 08:59	12/08/22 18:37	1
Perfluorotetradecanoic acid (PFTeA)	0.24	U	0.24	0.032	ug/Kg	☼	12/07/22 08:59	12/08/22 18:37	1
Perfluorobutanesulfonic acid (PFBS)	0.24	U	0.24	0.040	ug/Kg	☼	12/07/22 08:59	12/08/22 18:37	1
Perfluorohexanesulfonic acid (PFHxS)	0.24	U	0.24	0.050	ug/Kg	☼	12/07/22 08:59	12/08/22 18:37	1
Perfluoroheptanesulfonic acid (PFHpS)	0.24	U	0.24	0.028	ug/Kg	☼	12/07/22 08:59	12/08/22 18:37	1
Perfluorooctanesulfonic acid (PFOS)	0.14	J	0.24	0.13	ug/Kg	☼	12/07/22 08:59	12/08/22 18:37	1
Perfluorodecanesulfonic acid (PFDS)	0.072	J	0.24	0.023	ug/Kg	☼	12/07/22 08:59	12/08/22 18:37	1
Perfluorooctanesulfonamide (FOSA)	0.24	U	0.24	0.041	ug/Kg	☼	12/07/22 08:59	12/08/22 18:37	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.42	U	2.42	0.13	ug/Kg	☼	12/07/22 08:59	12/08/22 18:37	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.42	U	2.42	0.10	ug/Kg	☼	12/07/22 08:59	12/08/22 18:37	1
6:2 FTS	2.42	U	2.42	0.069	ug/Kg	☼	12/07/22 08:59	12/08/22 18:37	1
8:2 FTS	2.42	U	2.42	0.045	ug/Kg	☼	12/07/22 08:59	12/08/22 18:37	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
18O2 PFHxS	88		50 - 150				12/07/22 08:59	12/08/22 18:37	1
13C4 PFHpA	92		50 - 150				12/07/22 08:59	12/08/22 18:37	1
13C4 PFOA	94		50 - 150				12/07/22 08:59	12/08/22 18:37	1
13C4 PFOS	87		50 - 150				12/07/22 08:59	12/08/22 18:37	1
13C5 PFNA	95		50 - 150				12/07/22 08:59	12/08/22 18:37	1
13C4 PFBA	87		50 - 150				12/07/22 08:59	12/08/22 18:37	1
13C2 PFHxA	92		50 - 150				12/07/22 08:59	12/08/22 18:37	1
13C2 PFDA	98		50 - 150				12/07/22 08:59	12/08/22 18:37	1
13C2 PFUnA	94		50 - 150				12/07/22 08:59	12/08/22 18:37	1
13C2 PFDoA	89		50 - 150				12/07/22 08:59	12/08/22 18:37	1
13C8 FOSA	83		50 - 150				12/07/22 08:59	12/08/22 18:37	1
13C5 PFPeA	87		50 - 150				12/07/22 08:59	12/08/22 18:37	1
13C2 PFTeDA	92		50 - 150				12/07/22 08:59	12/08/22 18:37	1
d3-NMeFOSAA	89		50 - 150				12/07/22 08:59	12/08/22 18:37	1
d5-NEtFOSAA	92		50 - 150				12/07/22 08:59	12/08/22 18:37	1
M2-6:2 FTS	92		50 - 150				12/07/22 08:59	12/08/22 18:37	1
M2-8:2 FTS	90		50 - 150				12/07/22 08:59	12/08/22 18:37	1
13C3 PFBS	84		50 - 150				12/07/22 08:59	12/08/22 18:37	1

Isotope Dilution Summary

Client: Roux Environmental Eng & Geology DPC
 Project/Site: Inwood - Lot 9

Job ID: 460-270515-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFHxS (50-150)	C4PFHA (50-150)	PFOA (50-150)	PFOS (50-150)	PFNA (50-150)	PFBA (50-150)	PFHxA (50-150)	PFDA (50-150)
460-270311-A-2-B MS	Matrix Spike	88	89	93	87	91	87	91	88
460-270311-A-2-C MSD	Matrix Spike Duplicate	94	94	93	92	94	89	94	96
460-270515-1	BCS-09-11_(5-5.5)P	95	95	94	94	96	91	98	100
460-270515-2	BCS-09-12_(5-5.5)P	90	93	93	90	93	86	91	99
460-270515-3	BCS-09-13_(5-5.5)P	90	89	91	86	93	83	90	93
460-270515-4	BCS-09-14_(5-5.5)P	86	86	88	84	89	83	89	96
460-270515-5	BCS-09-15_(5-5.5)P	87	92	89	82	93	81	89	92
460-270515-6	BCS-09-16_(5-5.5)P	88	92	94	87	95	87	92	98
LCS 200-186445/2-A	Lab Control Sample	95	88	91	97	94	53	87	99
MB 200-186445/1-A	Method Blank	100	93	90	99	94	69	92	97

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFUnA (50-150)	PFDaA (50-150)	PFOSA (50-150)	PFPeA (50-150)	PFTDA (50-150)	d3NMFOs (50-150)	d5NEFOs (50-150)	M262FTS (50-150)
460-270311-A-2-B MS	Matrix Spike	88	86	82	82	92	84	87	87
460-270311-A-2-C MSD	Matrix Spike Duplicate	97	98	85	85	94	90	94	91
460-270515-1	BCS-09-11_(5-5.5)P	96	100	92	86	104	98	101	101
460-270515-2	BCS-09-12_(5-5.5)P	95	89	80	84	86	89	88	88
460-270515-3	BCS-09-13_(5-5.5)P	95	93	82	82	102	89	94	91
460-270515-4	BCS-09-14_(5-5.5)P	97	96	82	80	99	87	94	87
460-270515-5	BCS-09-15_(5-5.5)P	90	75	78	83	79	86	84	99
460-270515-6	BCS-09-16_(5-5.5)P	94	89	83	87	92	89	92	92
LCS 200-186445/2-A	Lab Control Sample	93	89	93	81	79	94	93	95
MB 200-186445/1-A	Method Blank	90	82	95	83	77	94	95	99

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)	
		M282FTS (50-150)	C3PFBS (50-150)
460-270311-A-2-B MS	Matrix Spike	89	87
460-270311-A-2-C MSD	Matrix Spike Duplicate	97	88
460-270515-1	BCS-09-11_(5-5.5)P	102	91
460-270515-2	BCS-09-12_(5-5.5)P	95	86
460-270515-3	BCS-09-13_(5-5.5)P	102	90
460-270515-4	BCS-09-14_(5-5.5)P	93	82
460-270515-5	BCS-09-15_(5-5.5)P	81	82
460-270515-6	BCS-09-16_(5-5.5)P	90	84
LCS 200-186445/2-A	Lab Control Sample	95	90
MB 200-186445/1-A	Method Blank	101	89

Surrogate Legend

- PFHxS = 18O2 PFHxS
- C4PFHA = 13C4 PFHpA
- PFOA = 13C4 PFOA
- PFOS = 13C4 PFOS
- PFNA = 13C5 PFNA
- PFBA = 13C4 PFBA
- PFHxA = 13C2 PFHxA
- PFDA = 13C2 PFDA
- PFUnA = 13C2 PFUnA
- PFDaA = 13C2 PFDaA
- PFOSA = 13C8 FOSA

Isotope Dilution Summary

Client: Roux Environmental Eng & Geology DPC

Job ID: 460-270515-1

Project/Site: Inwood - Lot 9

PFPeA = $^{13}\text{C}_5$ PFPeA

PFTDA = $^{13}\text{C}_2$ PFTeDA

d3NMFOS = d3-NMeFOSAA

d5NEFOS = d5-NEtFOSAA

M262FTS = M2-6:2 FTS

M282FTS = M2-8:2 FTS

C3PFBS = $^{13}\text{C}_3$ PFBS

QC Sample Results

Client: Roux Environmental Eng & Geology DPC
 Project/Site: Inwood - Lot 9

Job ID: 460-270515-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 200-186445/1-A

Matrix: Solid

Analysis Batch: 186513

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 186445

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	0.50	U	0.50	0.33	ug/Kg		12/07/22 08:59	12/08/22 15:29	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.055	ug/Kg		12/07/22 08:59	12/08/22 15:29	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.046	ug/Kg		12/07/22 08:59	12/08/22 15:29	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.039	ug/Kg		12/07/22 08:59	12/08/22 15:29	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.058	ug/Kg		12/07/22 08:59	12/08/22 15:29	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.034	ug/Kg		12/07/22 08:59	12/08/22 15:29	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.028	ug/Kg		12/07/22 08:59	12/08/22 15:29	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.027	ug/Kg		12/07/22 08:59	12/08/22 15:29	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.025	ug/Kg		12/07/22 08:59	12/08/22 15:29	1
Perfluorotridecanoic acid (PFTriA)	0.20	U	0.20	0.025	ug/Kg		12/07/22 08:59	12/08/22 15:29	1
Perfluorotetradecanoic acid (PFTeA)	0.20	U	0.20	0.026	ug/Kg		12/07/22 08:59	12/08/22 15:29	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.033	ug/Kg		12/07/22 08:59	12/08/22 15:29	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.041	ug/Kg		12/07/22 08:59	12/08/22 15:29	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.023	ug/Kg		12/07/22 08:59	12/08/22 15:29	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.11	ug/Kg		12/07/22 08:59	12/08/22 15:29	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.019	ug/Kg		12/07/22 08:59	12/08/22 15:29	1
Perfluorooctanesulfonamide (FOSA)	0.20	U	0.20	0.034	ug/Kg		12/07/22 08:59	12/08/22 15:29	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	U	2.00	0.11	ug/Kg		12/07/22 08:59	12/08/22 15:29	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	U	2.00	0.083	ug/Kg		12/07/22 08:59	12/08/22 15:29	1
6:2 FTS	2.00	U	2.00	0.057	ug/Kg		12/07/22 08:59	12/08/22 15:29	1
8:2 FTS	2.00	U	2.00	0.037	ug/Kg		12/07/22 08:59	12/08/22 15:29	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
18O2 PFHxS	100		50 - 150	12/07/22 08:59	12/08/22 15:29	1
13C4 PFHpA	93		50 - 150	12/07/22 08:59	12/08/22 15:29	1
13C4 PFOA	90		50 - 150	12/07/22 08:59	12/08/22 15:29	1
13C4 PFOS	99		50 - 150	12/07/22 08:59	12/08/22 15:29	1
13C5 PFNA	94		50 - 150	12/07/22 08:59	12/08/22 15:29	1
13C4 PFBA	69		50 - 150	12/07/22 08:59	12/08/22 15:29	1
13C2 PFHxA	92		50 - 150	12/07/22 08:59	12/08/22 15:29	1
13C2 PFDA	97		50 - 150	12/07/22 08:59	12/08/22 15:29	1
13C2 PFUnA	90		50 - 150	12/07/22 08:59	12/08/22 15:29	1
13C2 PFDoA	82		50 - 150	12/07/22 08:59	12/08/22 15:29	1
13C8 FOSA	95		50 - 150	12/07/22 08:59	12/08/22 15:29	1
13C5 PFPeA	83		50 - 150	12/07/22 08:59	12/08/22 15:29	1
13C2 PFTeDA	77		50 - 150	12/07/22 08:59	12/08/22 15:29	1
d3-NMeFOSAA	94		50 - 150	12/07/22 08:59	12/08/22 15:29	1
d5-NEtFOSAA	95		50 - 150	12/07/22 08:59	12/08/22 15:29	1
M2-6:2 FTS	99		50 - 150	12/07/22 08:59	12/08/22 15:29	1
M2-8:2 FTS	101		50 - 150	12/07/22 08:59	12/08/22 15:29	1
13C3 PFBS	89		50 - 150	12/07/22 08:59	12/08/22 15:29	1

QC Sample Results

Client: Roux Environmental Eng & Geology DPC
 Project/Site: Inwood - Lot 9

Job ID: 460-270515-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 200-186445/2-A

Matrix: Solid

Analysis Batch: 186513

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 186445

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	1.953		ug/Kg		98	60 - 140
Perfluoropentanoic acid (PFPeA)	2.00	1.921		ug/Kg		96	60 - 140
Perfluorohexanoic acid (PFHxA)	2.00	1.955		ug/Kg		98	60 - 140
Perfluoroheptanoic acid (PFHpA)	2.00	2.040		ug/Kg		102	60 - 140
Perfluorooctanoic acid (PFOA)	2.00	2.069		ug/Kg		103	60 - 140
Perfluorononanoic acid (PFNA)	2.00	1.865		ug/Kg		93	60 - 140
Perfluorodecanoic acid (PFDA)	2.00	1.868		ug/Kg		93	60 - 140
Perfluoroundecanoic acid (PFUnA)	2.00	1.979		ug/Kg		99	60 - 140
Perfluorododecanoic acid (PFDoA)	2.00	1.873		ug/Kg		94	60 - 140
Perfluorotridecanoic acid (PFTriA)	2.00	1.854		ug/Kg		93	60 - 140
Perfluorotetradecanoic acid (PFTeA)	2.00	1.954		ug/Kg		98	60 - 140
Perfluorobutanesulfonic acid (PFBS)	1.77	1.714		ug/Kg		97	60 - 140
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.809		ug/Kg		99	60 - 140
Perfluoroheptanesulfonic acid (PFHpS)	1.90	1.881		ug/Kg		99	60 - 140
Perfluorooctanesulfonic acid (PFOS)	1.86	1.737		ug/Kg		94	60 - 140
Perfluorodecanesulfonic acid (PFDS)	1.93	1.728		ug/Kg		90	60 - 140
Perfluorooctanesulfonamide (FOSA)	2.00	1.971		ug/Kg		99	60 - 140
N-methylperfluorooctanesulfona midoacetic acid (NMeFOSAA)	2.00	2.026		ug/Kg		101	60 - 140
N-ethylperfluorooctanesulfonami doacetic acid (NEtFOSAA)	2.00	1.996	J	ug/Kg		100	60 - 140
6:2 FTS	1.90	1.894	J	ug/Kg		100	50 - 150
8:2 FTS	1.92	1.984	J	ug/Kg		104	60 - 140

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
18O2 PFHxS	95		50 - 150
13C4 PFHpA	88		50 - 150
13C4 PFOA	91		50 - 150
13C4 PFOS	97		50 - 150
13C5 PFNA	94		50 - 150
13C4 PFBA	53		50 - 150
13C2 PFHxA	87		50 - 150
13C2 PFDA	99		50 - 150
13C2 PFUnA	93		50 - 150
13C2 PFDoA	89		50 - 150
13C8 FOSA	93		50 - 150
13C5 PFPeA	81		50 - 150
13C2 PFTeDA	79		50 - 150
d3-NMeFOSAA	94		50 - 150
d5-NEtFOSAA	93		50 - 150
M2-6:2 FTS	95		50 - 150

QC Sample Results

Client: Roux Environmental Eng & Geology DPC
 Project/Site: Inwood - Lot 9

Job ID: 460-270515-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 200-186445/2-A
Matrix: Solid
Analysis Batch: 186513

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 186445

Isotope Dilution	LCS	LCS	Limits
	%Recovery	Qualifier	
M2-8:2 FTS	95		50 - 150
13C3 PFBS	90		50 - 150

Lab Sample ID: 460-270311-A-2-B MS
Matrix: Solid
Analysis Batch: 186513

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 186445

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
	Result	Qualifier		Added	Result				
Perfluorobutanoic acid (PFBA)	0.61	U	2.44	2.430		ug/Kg	☼	100	60 - 140
Perfluoropentanoic acid (PFPeA)	0.24	U	2.44	2.460		ug/Kg	☼	101	60 - 140
Perfluorohexanoic acid (PFHxA)	0.24	U	2.44	2.388		ug/Kg	☼	98	60 - 140
Perfluoroheptanoic acid (PFHpA)	0.24	U	2.44	2.455		ug/Kg	☼	101	60 - 140
Perfluorooctanoic acid (PFOA)	0.078	J	2.44	2.453		ug/Kg	☼	97	60 - 140
Perfluorononanoic acid (PFNA)	0.24	U	2.44	2.512		ug/Kg	☼	103	60 - 140
Perfluorodecanoic acid (PFDA)	0.24	U	2.44	2.564		ug/Kg	☼	105	60 - 140
Perfluoroundecanoic acid (PFUnA)	0.24	U	2.44	2.402		ug/Kg	☼	99	60 - 140
Perfluorododecanoic acid (PFDoA)	0.24	U	2.44	2.472		ug/Kg	☼	101	60 - 140
Perfluorotridecanoic acid (PFTriA)	0.24	U	2.44	2.391		ug/Kg	☼	98	60 - 140
Perfluorotetradecanoic acid (PFTeA)	0.24	U	2.44	2.335		ug/Kg	☼	96	60 - 140
Perfluorobutanesulfonic acid (PFBS)	0.24	U	2.15	2.110		ug/Kg	☼	98	60 - 140
Perfluorohexanesulfonic acid (PFHxS)	0.24	U	2.22	2.312		ug/Kg	☼	104	60 - 140
Perfluoroheptanesulfonic acid (PFHpS)	0.24	U	2.32	2.411		ug/Kg	☼	104	60 - 140
Perfluorooctanesulfonic acid (PFOS)	0.24	U	2.26	2.265		ug/Kg	☼	100	60 - 140
Perfluorodecanesulfonic acid (PFDS)	0.24	U	2.35	2.267		ug/Kg	☼	97	60 - 140
Perfluorooctanesulfonamide (FOSA)	0.24	U	2.44	2.423		ug/Kg	☼	99	60 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.43	U	2.44	2.637		ug/Kg	☼	108	60 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.43	U	2.44	2.428	J	ug/Kg	☼	100	60 - 140
6:2 FTS	2.43	U	2.31	2.521		ug/Kg	☼	109	50 - 150
8:2 FTS	2.43	U	2.33	2.453		ug/Kg	☼	105	60 - 140

Isotope Dilution	MS	MS	Limits
	%Recovery	Qualifier	
18O2 PFHxS	88		50 - 150
13C4 PFHpA	89		50 - 150
13C4 PFOA	93		50 - 150
13C4 PFOS	87		50 - 150
13C5 PFNA	91		50 - 150
13C4 PFBA	87		50 - 150
13C2 PFHxA	91		50 - 150
13C2 PFDA	88		50 - 150
13C2 PFUnA	88		50 - 150

QC Sample Results

Client: Roux Environmental Eng & Geology DPC
 Project/Site: Inwood - Lot 9

Job ID: 460-270515-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 460-270311-A-2-B MS
Matrix: Solid
Analysis Batch: 186513

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 186445

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>MS MS Qualifier</i>	<i>Limits</i>
13C2 PFDoA	86		50 - 150
13C8 FOSA	82		50 - 150
13C5 PFPeA	82		50 - 150
13C2 PFTeDA	92		50 - 150
d3-NMeFOSAA	84		50 - 150
d5-NEtFOSAA	87		50 - 150
M2-6:2 FTS	87		50 - 150
M2-8:2 FTS	89		50 - 150
13C3 PFBS	87		50 - 150

Lab Sample ID: 460-270311-A-2-C MSD
Matrix: Solid
Analysis Batch: 186513

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 186445

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MSD Result</i>	<i>MSD Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec</i>		<i>RPD</i>
									<i>Limits</i>	<i>RPD</i>	
Perfluorobutanoic acid (PFBA)	0.61	U	2.46	2.422		ug/Kg	☼	99	60 - 140	0	30
Perfluoropentanoic acid (PFPeA)	0.24	U	2.46	2.471		ug/Kg	☼	101	60 - 140	0	30
Perfluorohexanoic acid (PFHxA)	0.24	U	2.46	2.447		ug/Kg	☼	100	60 - 140	2	30
Perfluoroheptanoic acid (PFHpA)	0.24	U	2.46	2.343		ug/Kg	☼	95	60 - 140	5	30
Perfluorooctanoic acid (PFOA)	0.078	J	2.46	2.511		ug/Kg	☼	99	60 - 140	2	30
Perfluorononanoic acid (PFNA)	0.24	U	2.46	2.517		ug/Kg	☼	102	60 - 140	0	30
Perfluorodecanoic acid (PFDA)	0.24	U	2.46	2.537		ug/Kg	☼	103	60 - 140	1	30
Perfluoroundecanoic acid (PFUnA)	0.24	U	2.46	2.412		ug/Kg	☼	98	60 - 140	0	30
Perfluorododecanoic acid (PFDoA)	0.24	U	2.46	2.267		ug/Kg	☼	92	60 - 140	9	30
Perfluorotridecanoic acid (PFTriA)	0.24	U	2.46	2.281		ug/Kg	☼	93	60 - 140	5	30
Perfluorotetradecanoic acid (PFTeA)	0.24	U	2.46	2.446		ug/Kg	☼	100	60 - 140	5	30
Perfluorobutanesulfonic acid (PFBS)	0.24	U	2.17	2.152		ug/Kg	☼	99	60 - 140	2	30
Perfluorohexanesulfonic acid (PFHxS)	0.24	U	2.24	2.220		ug/Kg	☼	99	60 - 140	4	30
Perfluoroheptanesulfonic acid (PFHpS)	0.24	U	2.34	2.372		ug/Kg	☼	101	60 - 140	2	30
Perfluorooctanesulfonic acid (PFOS)	0.24	U	2.28	2.228		ug/Kg	☼	98	60 - 140	2	30
Perfluorodecanesulfonic acid (PFDS)	0.24	U	2.37	2.368		ug/Kg	☼	100	60 - 140	4	30
Perfluorooctanesulfonamide (FOSA)	0.24	U	2.46	2.390		ug/Kg	☼	97	60 - 140	1	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.43	U	2.46	2.568		ug/Kg	☼	105	60 - 140	3	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.43	U	2.46	2.472		ug/Kg	☼	101	60 - 140	2	30
6:2 FTS	2.43	U	2.33	2.477		ug/Kg	☼	106	50 - 150	2	30
8:2 FTS	2.43	U	2.35	2.432	J	ug/Kg	☼	103	60 - 140	1	30

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>MSD MSD Qualifier</i>	<i>Limits</i>
18O2 PFHxS	94		50 - 150
13C4 PFHpA	94		50 - 150

QC Sample Results

Client: Roux Environmental Eng & Geology DPC
Project/Site: Inwood - Lot 9

Job ID: 460-270515-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 460-270311-A-2-C MSD

Matrix: Solid

Analysis Batch: 186513

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 186445

<i>Isotope Dilution</i>	<i>MSD MSD</i>		<i>Limits</i>
	<i>%Recovery</i>	<i>Qualifier</i>	
13C4 PFOA	93		50 - 150
13C4 PFOS	92		50 - 150
13C5 PFNA	94		50 - 150
13C4 PFBA	89		50 - 150
13C2 PFHxA	94		50 - 150
13C2 PFDA	96		50 - 150
13C2 PFUnA	97		50 - 150
13C2 PFDoA	98		50 - 150
13C8 FOSA	85		50 - 150
13C5 PFPeA	85		50 - 150
13C2 PFTeDA	94		50 - 150
d3-NMeFOSAA	90		50 - 150
d5-NEtFOSAA	94		50 - 150
M2-6:2 FTS	91		50 - 150
M2-8:2 FTS	97		50 - 150
13C3 PFBS	88		50 - 150

Definitions/Glossary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Inwood - Lot 9

Job ID: 460-270515-1

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Indicates an estimated value.
U	Analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Inwood - Lot 9

Job ID: 460-270515-1

LCMS

Prep Batch: 186445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-270515-1	BCS-09-11_(5-5.5)P	Total/NA	Solid	SHAKE	
460-270515-2	BCS-09-12_(5-5.5)P	Total/NA	Solid	SHAKE	
460-270515-3	BCS-09-13_(5-5.5)P	Total/NA	Solid	SHAKE	
460-270515-4	BCS-09-14_(5-5.5)P	Total/NA	Solid	SHAKE	
460-270515-5	BCS-09-15_(5-5.5)P	Total/NA	Solid	SHAKE	
460-270515-6	BCS-09-16_(5-5.5)P	Total/NA	Solid	SHAKE	
MB 200-186445/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 200-186445/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
460-270311-A-2-B MS	Matrix Spike	Total/NA	Solid	SHAKE	
460-270311-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	SHAKE	

Analysis Batch: 186513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-270515-1	BCS-09-11_(5-5.5)P	Total/NA	Solid	537 (modified)	186445
460-270515-2	BCS-09-12_(5-5.5)P	Total/NA	Solid	537 (modified)	186445
460-270515-3	BCS-09-13_(5-5.5)P	Total/NA	Solid	537 (modified)	186445
460-270515-4	BCS-09-14_(5-5.5)P	Total/NA	Solid	537 (modified)	186445
460-270515-5	BCS-09-15_(5-5.5)P	Total/NA	Solid	537 (modified)	186445
460-270515-6	BCS-09-16_(5-5.5)P	Total/NA	Solid	537 (modified)	186445
MB 200-186445/1-A	Method Blank	Total/NA	Solid	537 (modified)	186445
LCS 200-186445/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	186445
460-270311-A-2-B MS	Matrix Spike	Total/NA	Solid	537 (modified)	186445
460-270311-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	537 (modified)	186445

General Chemistry

Analysis Batch: 186344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-270515-1	BCS-09-11_(5-5.5)P	Total/NA	Solid	Moisture	
460-270515-2	BCS-09-12_(5-5.5)P	Total/NA	Solid	Moisture	
460-270515-3	BCS-09-13_(5-5.5)P	Total/NA	Solid	Moisture	
460-270515-4	BCS-09-14_(5-5.5)P	Total/NA	Solid	Moisture	
460-270515-5	BCS-09-15_(5-5.5)P	Total/NA	Solid	Moisture	
460-270515-6	BCS-09-16_(5-5.5)P	Total/NA	Solid	Moisture	
460-270515-6 DU	BCS-09-16_(5-5.5)P	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Inwood - Lot 9

Job ID: 460-270515-1

Client Sample ID: BCS-09-11_(5-5.5)P

Lab Sample ID: 460-270515-1

Date Collected: 12/01/22 12:26

Matrix: Solid

Date Received: 12/01/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	186344	RWM	EET BUR	12/05/22 15:59

Client Sample ID: BCS-09-11_(5-5.5)P

Lab Sample ID: 460-270515-1

Date Collected: 12/01/22 12:26

Matrix: Solid

Date Received: 12/01/22 18:00

Percent Solids: 74.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			186445	KFW	EET BUR	12/07/22 08:59
Total/NA	Analysis	537 (modified)		1	186513	ND	EET BUR	12/08/22 17:56

Client Sample ID: BCS-09-12_(5-5.5)P

Lab Sample ID: 460-270515-2

Date Collected: 12/01/22 12:11

Matrix: Solid

Date Received: 12/01/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	186344	RWM	EET BUR	12/05/22 15:59

Client Sample ID: BCS-09-12_(5-5.5)P

Lab Sample ID: 460-270515-2

Date Collected: 12/01/22 12:11

Matrix: Solid

Date Received: 12/01/22 18:00

Percent Solids: 81.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			186445	KFW	EET BUR	12/07/22 08:59
Total/NA	Analysis	537 (modified)		1	186513	ND	EET BUR	12/08/22 18:04

Client Sample ID: BCS-09-13_(5-5.5)P

Lab Sample ID: 460-270515-3

Date Collected: 12/01/22 12:01

Matrix: Solid

Date Received: 12/01/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	186344	RWM	EET BUR	12/05/22 15:59

Client Sample ID: BCS-09-13_(5-5.5)P

Lab Sample ID: 460-270515-3

Date Collected: 12/01/22 12:01

Matrix: Solid

Date Received: 12/01/22 18:00

Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			186445	KFW	EET BUR	12/07/22 08:59
Total/NA	Analysis	537 (modified)		1	186513	ND	EET BUR	12/08/22 18:13

Client Sample ID: BCS-09-14_(5-5.5)P

Lab Sample ID: 460-270515-4

Date Collected: 12/01/22 12:21

Matrix: Solid

Date Received: 12/01/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	186344	RWM	EET BUR	12/05/22 15:59

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Inwood - Lot 9

Job ID: 460-270515-1

Client Sample ID: BCS-09-14_(5-5.5)P

Lab Sample ID: 460-270515-4

Date Collected: 12/01/22 12:21

Matrix: Solid

Date Received: 12/01/22 18:00

Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			186445	KFW	EET BUR	12/07/22 08:59
Total/NA	Analysis	537 (modified)		1	186513	ND	EET BUR	12/08/22 18:21

Client Sample ID: BCS-09-15_(5-5.5)P

Lab Sample ID: 460-270515-5

Date Collected: 12/01/22 12:16

Matrix: Solid

Date Received: 12/01/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	186344	RWM	EET BUR	12/05/22 15:59

Client Sample ID: BCS-09-15_(5-5.5)P

Lab Sample ID: 460-270515-5

Date Collected: 12/01/22 12:16

Matrix: Solid

Date Received: 12/01/22 18:00

Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			186445	KFW	EET BUR	12/07/22 08:59
Total/NA	Analysis	537 (modified)		1	186513	ND	EET BUR	12/08/22 18:29

Client Sample ID: BCS-09-16_(5-5.5)P

Lab Sample ID: 460-270515-6

Date Collected: 12/01/22 12:31

Matrix: Solid

Date Received: 12/01/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	186344	RWM	EET BUR	12/05/22 15:59

Client Sample ID: BCS-09-16_(5-5.5)P

Lab Sample ID: 460-270515-6

Date Collected: 12/01/22 12:31

Matrix: Solid

Date Received: 12/01/22 18:00

Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			186445	KFW	EET BUR	12/07/22 08:59
Total/NA	Analysis	537 (modified)		1	186513	ND	EET BUR	12/08/22 18:37

Laboratory References:

EET BUR = Eurofins Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Inwood - Lot 9

Job ID: 460-270515-1

Laboratory: Eurofins Burlington

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2336	02-25-23
Connecticut	State	PH-0751	09-30-23
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	05-17-23
Florida	NELAP	E87467	06-30-23
Minnesota	NELAP	050-999-436	12-31-22
New Hampshire	NELAP	2006	12-18-22
New Jersey	NELAP	VT972	06-30-23
New York	NELAP	10391	04-01-23
Pennsylvania	NELAP	68-00489	04-30-23
Rhode Island	State	LAO00298	12-30-22
US Fish & Wildlife	US Federal Programs	058448	07-31-23
USDA	US Federal Programs	P330-17-00272	10-30-23
Vermont	State	VT4000	02-10-23
Virginia	NELAP	460209	12-14-22
Wisconsin	State	399133350	08-31-23

Method PFC IDA

Fluorinated Hydrocarbons by Method
PFAS IDA

FORM II
PFAS SURROGATE RECOVERY

Lab Name: Eurofins Burlington Job No.: 460-270515-1

SDG No.: _____

Matrix: Solid Level: Low

GC Column (1): C-18 ID: 4.6 (mm)

Client Sample ID	Lab Sample ID	PFBA #	PFPeA #	C3PFBS #	PFHxA #	PFHxS #	C4PFHA #	M262FTS #	PFOA #
BCS-09-11_(5-5.5)P	460-270515-1	91	86	91	98	95	95	101	94
BCS-09-12_(5-5.5)P	460-270515-2	86	84	86	91	90	93	88	93
BCS-09-13_(5-5.5)P	460-270515-3	83	82	90	90	90	89	91	91
BCS-09-14_(5-5.5)P	460-270515-4	83	80	82	89	86	86	87	88
BCS-09-15_(5-5.5)P	460-270515-5	81	83	82	89	87	92	99	89
BCS-09-16_(5-5.5)P	460-270515-6	87	87	84	92	88	92	92	94
	MB 200-186445/1-A	69	83	89	92	100	93	99	90
	LCS 200-186445/2-A	53	81	90	87	95	88	95	91
	460-270311-A-2-B MS	87	82	87	91	88	89	87	93
	460-270311-A-2-C MSD	89	85	88	94	94	94	91	93

PFBA = 13C4 PFBA
 PFPeA = 13C5 PFPeA
 C3PFBS = 13C3 PFBS
 PFHxA = 13C2 PFHxA
 PFHxS = 18O2 PFHxS
 C4PFHA = 13C4 PFHpA
 M262FTS = M2-6:2 FTS
 PFOA = 13C4 PFOA

QC LIMITS

50-150
 50-150
 50-150
 50-150
 50-150
 50-150
 50-150
 50-150

Column to be used to flag recovery values

FORM II 537 (modified)

FORM II
PFAS SURROGATE RECOVERY

Lab Name: Eurofins Burlington Job No.: 460-270515-1

SDG No.: _____

Matrix: Solid Level: Low

GC Column (1): C-18 ID: 4.6 (mm)

Client Sample ID	Lab Sample ID	PFOS #	PFNA #	PFDA #	M282FTS #	PFOSA #	d3NMFOS #	PFUnA #	d5NEFOS #
BCS-09-11_(5-5.5)P	460-270515-1	94	96	100	102	92	98	96	101
BCS-09-12_(5-5.5)P	460-270515-2	90	93	99	95	80	89	95	88
BCS-09-13_(5-5.5)P	460-270515-3	86	93	93	102	82	89	95	94
BCS-09-14_(5-5.5)P	460-270515-4	84	89	96	93	82	87	97	94
BCS-09-15_(5-5.5)P	460-270515-5	82	93	92	81	78	86	90	84
BCS-09-16_(5-5.5)P	460-270515-6	87	95	98	90	83	89	94	92
	MB 200-186445/1-A	99	94	97	101	95	94	90	95
	LCS 200-186445/2-A	97	94	99	95	93	94	93	93
	460-270311-A-2-B MS	87	91	88	89	82	84	88	87
	460-270311-A-2-C MSD	92	94	96	97	85	90	97	94

QC LIMITS

PFOS = 13C4 PFOS	50-150
PFNA = 13C5 PFNA	50-150
PFDA = 13C2 PFDA	50-150
M282FTS = M2-8:2 FTS	50-150
PFOSA = 13C8 FOSA	50-150
d3NMFOS = d3-NMeFOSAA	50-150
PFUnA = 13C2 PFUnA	50-150
d5NEFOS = d5-NEtFOSAA	50-150

Column to be used to flag recovery values

FORM II 537 (modified)

FORM II
PFAS SURROGATE RECOVERY

Lab Name: Eurofins Burlington Job No.: 460-270515-1

SDG No.: _____

Matrix: Solid Level: Low

GC Column (1): C-18 ID: 4.6 (mm)

Client Sample ID	Lab Sample ID	PFDa #	PFTDA #
BCS-09-11_(5-5.5)P	460-270515-1	100	104
BCS-09-12_(5-5.5)P	460-270515-2	89	86
BCS-09-13_(5-5.5)P	460-270515-3	93	102
BCS-09-14_(5-5.5)P	460-270515-4	96	99
BCS-09-15_(5-5.5)P	460-270515-5	75	79
BCS-09-16_(5-5.5)P	460-270515-6	89	92
	MB 200-186445/1-A	82	77
	LCS 200-186445/2-A	89	79
	460-270311-A-2-B MS	86	92
	460-270311-A-2-C MSD	98	94

PFDa = 13C2 PFDa
PFTDA = 13C2 PFTeDA

QC LIMITS
50-150
50-150

Column to be used to flag recovery values

FORM II 537 (modified)

FORM III
PFAS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: PA221208A07.d
 Lab ID: LCS 200-186445/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	2.00	1.953	98	60-140	
Perfluoropentanoic acid (PFPeA)	2.00	1.921	96	60-140	
Perfluorohexanoic acid (PFHxA)	2.00	1.955	98	60-140	
Perfluoroheptanoic acid (PFHpA)	2.00	2.040	102	60-140	
Perfluorooctanoic acid (PFOA)	2.00	2.069	103	60-140	
Perfluorononanoic acid (PFNA)	2.00	1.865	93	60-140	
Perfluorodecanoic acid (PFDA)	2.00	1.868	93	60-140	
Perfluoroundecanoic acid (PFUnA)	2.00	1.979	99	60-140	
Perfluorododecanoic acid (PFDoA)	2.00	1.873	94	60-140	
Perfluorotridecanoic acid (PFTriA)	2.00	1.854	93	60-140	
Perfluorotetradecanoic acid (PFTeA)	2.00	1.954	98	60-140	
Perfluorobutanesulfonic acid (PFBS)	1.77	1.714	97	60-140	
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.809	99	60-140	
Perfluoroheptanesulfonic acid (PFHpS)	1.90	1.881	99	60-140	
Perfluorooctanesulfonic acid (PFOS)	1.86	1.737	94	60-140	
Perfluorodecanesulfonic acid (PFDS)	1.93	1.728	90	60-140	
Perfluorooctanesulfonamide (FOSA)	2.00	1.971	99	60-140	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.026	101	60-140	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.996 J	100	60-140	
6:2 FTS	1.90	1.894 J	100	50-150	
8:2 FTS	1.92	1.984 J	104	60-140	
18O2 PFHxS	2.37	2.239	95	50-150	
13C4 PFHpA	2.50	2.192	88	50-150	
13C4 PFOA	2.50	2.263	91	50-150	
13C4 PFOS	2.39	2.310	97	50-150	
13C5 PFNA	2.50	2.343	94	50-150	
13C4 PFBA	2.50	1.319	53	50-150	
13C2 PFHxA	2.50	2.185	87	50-150	
13C2 PFDA	2.50	2.485	99	50-150	
13C2 PFUnA	2.50	2.320	93	50-150	
13C2 PFDoA	2.50	2.228	89	50-150	

Column to be used to flag recovery and RPD values
 FORM III 537 (modified)

FORM III
PFAS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: PA221208A07.d
 Lab ID: LCS 200-186445/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
13C8 FOSA	2.50	2.315	93	50-150	
13C5 PFPeA	2.50	2.030	81	50-150	
13C2 PFTeDA	2.50	1.979	79	50-150	
d3-NMeFOSAA	2.50	2.350	94	50-150	
d5-NEtFOSAA	2.50	2.318	93	50-150	
M2-6:2 FTS	2.38	2.266	95	50-150	
M2-8:2 FTS	2.40	2.280	95	50-150	
13C3 PFBS	2.33	2.101	90	50-150	

Column to be used to flag recovery and RPD values
 FORM III 537 (modified)

FORM III
PFAS MATRIX SPIKE RECOVERY

Lab Name: Eurofins Burlington

Job No.: 460-270515-1

SDG No.: _____

Matrix: Solid Level: Low

Lab File ID: PA221208A10.d

Lab ID: 460-270311-A-2-B MS

Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	2.44	0.61 U	2.430	100	60-140	
Perfluoropentanoic acid (PFPeA)	2.44	0.24 U	2.460	101	60-140	
Perfluorohexanoic acid (PFHxA)	2.44	0.24 U	2.388	98	60-140	
Perfluoroheptanoic acid (PFHpA)	2.44	0.24 U	2.455	101	60-140	
Perfluorooctanoic acid (PFOA)	2.44	0.078 J	2.453	97	60-140	
Perfluorononanoic acid (PFNA)	2.44	0.24 U	2.512	103	60-140	
Perfluorodecanoic acid (PFDA)	2.44	0.24 U	2.564	105	60-140	
Perfluoroundecanoic acid (PFUnA)	2.44	0.24 U	2.402	99	60-140	
Perfluorododecanoic acid (PFDoA)	2.44	0.24 U	2.472	101	60-140	
Perfluorotridecanoic acid (PFTriA)	2.44	0.24 U	2.391	98	60-140	
Perfluorotetradecanoic acid (PFTeA)	2.44	0.24 U	2.335	96	60-140	
Perfluorobutanesulfonic acid (PFBS)	2.15	0.24 U	2.110	98	60-140	
Perfluorohexanesulfonic acid (PFHxS)	2.22	0.24 U	2.312	104	60-140	
Perfluoroheptanesulfonic acid (PFHpS)	2.32	0.24 U	2.411	104	60-140	
Perfluorooctanesulfonic acid (PFOS)	2.26	0.24 U	2.265	100	60-140	
Perfluorodecanesulfonic acid (PFDS)	2.35	0.24 U	2.267	97	60-140	
Perfluorooctanesulfonamide (FOSA)	2.44	0.24 U	2.423	99	60-140	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.44	2.43 U	2.637	108	60-140	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.44	2.43 U	2.428 J	100	60-140	
6:2 FTS	2.31	2.43 U	2.521	109	50-150	
8:2 FTS	2.33	2.43 U	2.453	105	60-140	
18O2 PFHxS	2.88	2.66	2.547	88	50-150	
13C4 PFHpA	3.05	2.85	2.715	89	50-150	
13C4 PFOA	3.05	2.86	2.822	93	50-150	
13C4 PFOS	2.91	2.77	2.523	87	50-150	
13C5 PFNA	3.05	3.14	2.760	91	50-150	
13C4 PFBA	3.05	2.78	2.639	87	50-150	
13C2 PFHxA	3.05	2.93	2.760	91	50-150	
13C2 PFDA	3.05	2.95	2.673	88	50-150	
13C2 PFUnA	3.05	2.99	2.688	88	50-150	
13C2 PFDoA	3.05	2.83	2.613	86	50-150	

Column to be used to flag recovery and RPD values

FORM III 537 (modified)

FORM III
PFAS MATRIX SPIKE RECOVERY

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: PA221208A10.d
 Lab ID: 460-270311-A-2-B MS Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
13C8 FOSA	3.05	2.54	2.486	82	50-150	
13C5 PFPeA	3.05	2.72	2.502	82	50-150	
13C2 PFTeDA	3.05	2.93	2.811	92	50-150	
d3-NMeFOSAA	3.05	2.84	2.572	84	50-150	
d5-NEtFOSAA	3.05	2.83	2.644	87	50-150	
M2-6:2 FTS	2.89	2.79	2.530	87	50-150	
M2-8:2 FTS	2.92	3.14	2.599	89	50-150	
13C3 PFBS	2.83	2.50	2.460	87	50-150	

Column to be used to flag recovery and RPD values
 FORM III 537 (modified)

FORM III
PFAS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Burlington

Job No.: 460-270515-1

SDG No.: _____

Matrix: Solid Level: Low

Lab File ID: PA221208A11.d

Lab ID: 460-270311-A-2-C MSD

Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Perfluorobutanoic acid (PFBA)	2.46	2.422	99	0	30	60-140	
Perfluoropentanoic acid (PFPeA)	2.46	2.471	101	0	30	60-140	
Perfluorohexanoic acid (PFHxA)	2.46	2.447	100	2	30	60-140	
Perfluoroheptanoic acid (PFHpA)	2.46	2.343	95	5	30	60-140	
Perfluorooctanoic acid (PFOA)	2.46	2.511	99	2	30	60-140	
Perfluorononanoic acid (PFNA)	2.46	2.517	102	0	30	60-140	
Perfluorodecanoic acid (PFDA)	2.46	2.537	103	1	30	60-140	
Perfluoroundecanoic acid (PFUnA)	2.46	2.412	98	0	30	60-140	
Perfluorododecanoic acid (PFDoA)	2.46	2.267	92	9	30	60-140	
Perfluorotridecanoic acid (PFTriA)	2.46	2.281	93	5	30	60-140	
Perfluorotetradecanoic acid (PFTeA)	2.46	2.446	100	5	30	60-140	
Perfluorobutanesulfonic acid (PFBS)	2.17	2.152	99	2	30	60-140	
Perfluorohexanesulfonic acid (PFHxS)	2.24	2.220	99	4	30	60-140	
Perfluoroheptanesulfonic acid (PFHpS)	2.34	2.372	101	2	30	60-140	
Perfluorooctanesulfonic acid (PFOS)	2.28	2.228	98	2	30	60-140	
Perfluorodecanesulfonic acid (PFDS)	2.37	2.368	100	4	30	60-140	
Perfluorooctanesulfonamide (FOSA)	2.46	2.390	97	1	30	60-140	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.46	2.568	105	3	30	60-140	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.46	2.472	101	2	30	60-140	
6:2 FTS	2.33	2.477	106	2	30	50-150	
8:2 FTS	2.35	2.432 J	103	1	30	60-140	
18O2 PFHxS	2.90	2.718	94			50-150	
13C4 PFHpA	3.07	2.896	94			50-150	
13C4 PFOA	3.07	2.852	93			50-150	
13C4 PFOS	2.94	2.692	92			50-150	
13C5 PFNA	3.07	2.888	94			50-150	
13C4 PFBA	3.07	2.720	89			50-150	
13C2 PFHxA	3.07	2.876	94			50-150	
13C2 PFDA	3.07	2.956	96			50-150	
13C2 PFUnA	3.07	2.980	97			50-150	
13C2 PFDoA	3.07	3.019	98			50-150	

Column to be used to flag recovery and RPD values

FORM III 537 (modified)

FORM III
PFAS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: PA221208A11.d
 Lab ID: 460-270311-A-2-C MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
13C8 FOSA	3.07	2.616	85			50-150	
13C5 PFPeA	3.07	2.621	85			50-150	
13C2 PFTeDA	3.07	2.874	94			50-150	
d3-NMeFOSAA	3.07	2.770	90			50-150	
d5-NEtFOSAA	3.07	2.893	94			50-150	
M2-6:2 FTS	2.92	2.663	91			50-150	
M2-8:2 FTS	2.94	2.855	97			50-150	
13C3 PFBS	2.86	2.526	88			50-150	

Column to be used to flag recovery and RPD values
 FORM III 537 (modified)

FORM IV
PFAS METHOD BLANK SUMMARY

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Lab File ID: PA221208A06.d Lab Sample ID: MB 200-186445/1-A
 Matrix: Solid Date Extracted: 12/07/2022 08:59
 Instrument ID: LC812 Date Analyzed: 12/08/2022 15:29
 Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-186445/2-A	PA221208A07 .d	12/08/2022 15:37
	460-270311-A-2-B MS	PA221208A10 .d	12/08/2022 16:02
	460-270311-A-2-C MSD	PA221208A11 .d	12/08/2022 16:10
BCS-09-11_(5-5.5)P	460-270515-1	PA221208A24 .d	12/08/2022 17:56
BCS-09-12_(5-5.5)P	460-270515-2	PA221208A25 .d	12/08/2022 18:04
BCS-09-13_(5-5.5)P	460-270515-3	PA221208A26 .d	12/08/2022 18:13
BCS-09-14_(5-5.5)P	460-270515-4	PA221208A27 .d	12/08/2022 18:21
BCS-09-15_(5-5.5)P	460-270515-5	PA221208A28 .d	12/08/2022 18:29
BCS-09-16_(5-5.5)P	460-270515-6	PA221208A29 .d	12/08/2022 18:37

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Instrument ID: LC812 Calibration Start Date: 11/18/2022 14:29
 GC Column: C-18 ID: 4.6 (mm) Calibration End Date: 11/18/2022 15:10
 Calibration ID: 49456

		13PFOA					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		2300897	3.45				
UPPER LIMIT		3451346	3.65				
LOWER LIMIT		1150449	3.25				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICB 200-185958/11		2270634	3.45				
ICV 200-185958/12		2902090	3.45				
CCB 200-186513/4		2474985	3.45				
CCVLIS 200-186513/5		2585103	3.45				

13PFOA = 13C2 PFOA

Area Limit = 50%-150% of internal standard area
 RT Limit = ± 0.2 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Sample No.: CCVLIS 200-186513/5 Date Analyzed: 12/08/2022 15:21
 Instrument ID: LC812 GC Column: C-18 ID: 4.6 (mm)
 Lab File ID (Standard): PA221208A05.d Heated Purge: (Y/N) N
 Calibration ID: 49456

		13PFOA					
		AREA #	RT #	#	RT #	#	RT #
Low Level 12/24 HOUR STD		2585103	3.45				
UPPER LIMIT		3877655	3.65				
LOWER LIMIT		1292552	3.25				
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 200-186445/1-A		2569926	3.43				
LCS 200-186445/2-A		2594263	3.45				
460-270311-A-2-B MS		2618061	3.44				
460-270311-A-2-C MSD		2652227	3.44				
CCV 200-186513/19		2527398	3.43				
460-270515-1	BCS-09-11_(5-5.5) P	2625452	3.44				
460-270515-2	BCS-09-12_(5-5.5) P	2577052	3.44				
460-270515-3	BCS-09-13_(5-5.5) P	2625057	3.43				
460-270515-4	BCS-09-14_(5-5.5) P	2638607	3.43				
460-270515-5	BCS-09-15_(5-5.5) P	2649231	3.45				
460-270515-6	BCS-09-16_(5-5.5) P	2488661	3.43				
CCV 200-186513/30		2556193	3.44				

13PFOA = 13C2 PFOA

Area Limit = 50%-150% of internal standard area
 RT Limit = ± 0.2 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Client Sample ID: BCS-09-11_(5-5.5)P Lab Sample ID: 460-270515-1
 Matrix: Solid Lab File ID: PA221208A24.d
 Analysis Method: 537 (modified) Date Collected: 12/01/2022 12:26
 Extraction Method: SHAKE Date Extracted: 12/07/2022 08:59
 Sample wt/vol: 5.26(g) Date Analyzed: 12/08/2022 17:56
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: 25.7 % Solids: 74.3 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186513 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.64	U	0.64	0.42
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.26	U	0.26	0.070
307-24-4	Perfluorohexanoic acid (PFHxA)	0.059	J	0.26	0.059
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.26	U	0.26	0.050
335-67-1	Perfluorooctanoic acid (PFOA)	0.11	J	0.26	0.074
375-95-1	Perfluorononanoic acid (PFNA)	0.26	U	0.26	0.044
335-76-2	Perfluorodecanoic acid (PFDA)	0.26	U	0.26	0.036
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.26	U	0.26	0.035
307-55-1	Perfluorododecanoic acid (PFDoA)	0.26	U	0.26	0.032
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.26	U	0.26	0.032
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.26	U	0.26	0.033
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.26	U	0.26	0.042
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.26	U	0.26	0.052
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.26	U	0.26	0.029
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.26	U	0.26	0.14
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.42		0.26	0.024
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.073	J	0.26	0.044
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.56	U	2.56	0.14
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.18	J	2.56	0.11
27619-97-2	6:2 FTS	2.56	U	2.56	0.073
39108-34-4	8:2 FTS	2.56	U	2.56	0.047

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Client Sample ID: BCS-09-11_(5-5.5)P Lab Sample ID: 460-270515-1
 Matrix: Solid Lab File ID: PA221208A24.d
 Analysis Method: 537 (modified) Date Collected: 12/01/2022 12:26
 Extraction Method: SHAKE Date Extracted: 12/07/2022 08:59
 Sample wt/vol: 5.26(g) Date Analyzed: 12/08/2022 17:56
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: 25.7 % Solids: 74.3 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186513 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	95		50-150
STL01892	13C4 PFHpA	95		50-150
STL00990	13C4 PFOA	94		50-150
STL00991	13C4 PFOS	94		50-150
STL00995	13C5 PFNA	96		50-150
STL00992	13C4 PFBA	91		50-150
STL00993	13C2 PFHxA	98		50-150
STL00996	13C2 PFDA	100		50-150
STL00997	13C2 PFUnA	96		50-150
STL00998	13C2 PFDoA	100		50-150
STL01056	13C8 FOSA	92		50-150
STL01893	13C5 PFPeA	86		50-150
STL02116	13C2 PFTeDA	104		50-150
STL02118	d3-NMeFOSAA	98		50-150
STL02117	d5-NEtFOSAA	101		50-150
STL02279	M2-6:2 FTS	101		50-150
STL02280	M2-8:2 FTS	102		50-150
STL02337	13C3 PFBS	91		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A24.d
 Lims ID: 460-270515-A-1-A
 Client ID: BCS-09-11_(5-5.5)P
 Sample Type: Client
 Inject. Date: 08-Dec-2022 17:56:41 ALS Bottle#: 21 Worklist Smp#: 24
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 460-270515-A-1-A
 Misc. Info.: 200-0053607-024 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 13-Dec-2022 09:03:28 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1634

First Level Reviewer: nampitakw Date: 09-Dec-2022 17:17:09
 Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										M
217.00 > 172.00	2.093	2.076	0.017	0.609	2680760	1.14		91.0	9842	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.093	2.076	0.017	1.000	86997	0.0393			6.6	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.387	0.013	0.698	1921386	1.07		85.7	3298	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.400	2.387	0.013	1.000	40045	0.0239			0.8	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.413	2.400	0.013	0.702	2051015	1.05		90.5	169706	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.413	2.400	0.013	1.000	3927	0.001945	Target=2.09		3.0	M
298.90 > 99.00	2.413	2.400	0.013	1.000	2360		1.66(1.04-3.13)		0.4	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.737	2.725	0.012	0.796	2302191	1.22		98.0	6138	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.737	2.725	0.012	1.000	46508	0.0232	Target=14.25		6.5	M
313.00 > 119.00	2.737	2.725	0.012	1.000	3504		13.27(7.12-21.37)		5.0	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.088	3.088	0.0	0.898	1594146	1.12		94.9	6598	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.088	3.088	0.0	1.000	7157	0.004704	Target=3.66		8.5	M
399.00 > 99.00	3.099	3.088	0.011	1.004	2379		3.01(1.83-5.49)		1.4	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.099	3.099	0.0	0.901	2302337	1.19		95.3	4668	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.099	3.099	0.0	1.000	16992	0.008473	Target=3.97		2.2	
363.00 > 169.00	3.088	3.099	-0.011	0.996	5291		3.21(1.98-5.95)		10.8	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 12 M2-6:2 FTS										
429.00 > 81.00	3.430	3.439	-0.009	0.997	285914	1.20		101	332	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.430	3.439	-0.009	1.000	5883	-0.000306		28.3		M
D 14 13C4 PFOA										
417.00 > 372.00	3.439	3.448	-0.009	1.000	2561793	1.18		94.3	4208	
* 62 13C2 PFOA										
415.00 > 370.00	3.439	3.448	-0.009		2625452	1.25			5544	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.447	3.448	-0.001	1.003	93100	0.0425	Target=2.79		5.2	R
413.00 > 169.00	3.447	3.448	-0.001	1.003	21728		4.28(1.40-4.19)		26.7	R
D 18 13C4 PFOS										
503.00 > 80.00	3.754	3.764	-0.010	1.092	1076843	1.12		93.5	1645	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.754	3.764	-0.010	1.000	34632	0.0316	Target=5.11		23.7	RM
499.00 > 99.00	3.607	3.764	-0.157	0.961	23828		1.45(2.55-7.66)		31.8	M
D 19 13C5 PFNA										
468.00 > 423.00	3.773	3.783	-0.010	1.097	2530348	1.20		95.8	4259	
D 23 13C2 PFDA										
515.00 > 470.00	4.071	4.081	-0.010	1.184	2699640	1.25		100	5337	
24 Perfluorodecanoic acid										
513.00 > 469.00	4.071	4.081	-0.010	1.000	29109	0.0124	Target=10.26		5.7	RM
513.00 > 169.00	4.071	4.081	-0.010	1.000	1765		16.49(5.13-15.38)		4.3	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.081	4.093	-0.012	1.187	356063	1.22		102	744	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.071	4.093	-0.022	0.997	928	0.001930			13.7	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.138	4.150	-0.012	1.003	48491	0.0286			30.2	M
D 21 13C8 FOSA										
506.00 > 78.00	4.127	4.150	-0.023	1.200	2027097	1.15		91.9	2872	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.217	4.228	-0.011	1.226	537995	1.23		98.2	1623	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.217	4.228	-0.011	1.000	2509	-0.004850			6.6	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.308	4.331	-0.023	1.148	105935	0.1622	Target=2.51		15.7	M
599.00 > 99.00	4.308	4.331	-0.023	1.148	49832		2.13(1.25-3.76)		35.6	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.342	4.353	-0.011	1.263	2356432	1.20		95.6	6386	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.342	4.353	-0.011	1.000	7558	0.003978	Target=9.88		2.7	M
563.00 > 169.00	4.342	4.353	-0.011	1.000	964		7.84(4.94-14.82)		6.9	M
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.353	4.365	-0.012	1.000	28069	0.0721			162	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.353	4.365	-0.012	1.266	543745	1.26		101	1187	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.580	4.591	-0.011	1.000	12720	0.005994	Target=7.77		1.4	M
613.00 > 169.00	4.580	4.591	-0.011	1.000	1465		8.68(3.89-11.66)		11.6	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.580	4.591	-0.011	1.332	2503740	1.25		99.7	4283	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.803	4.804	-0.001	1.049	3955	0.001949	Target=5.21		0.4	M
663.00 > 169.00	4.794	4.804	-0.010	1.047	716		5.52(2.60-7.81)		4.4	M
42 Perfluorotetradecanoic acid										RM
713.00 > 169.00	5.012	5.012	0.0	1.002	618	0.002493	Target=0.89		6.4	R
713.00 > 219.00	5.012	5.012	0.0	1.002	209		2.96(0.44-1.33)		3.2	M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.002	5.012	-0.010	1.455	2263707	1.30		104	4874	

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromf\Burlington\ChromData\LC812\20221208-53607.b\PA221208A24.d

Injection Date: 08-Dec-2022 17:56:41

Instrument ID: LC812

Lims ID: 460-270515-A-1-A

Lab Sample ID: 200-270515-1

Client ID: BCS-09-11_(5-5.5)P

Operator ID: lc812tech

ALS Bottle#: 21

Worklist Smp#: 24

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

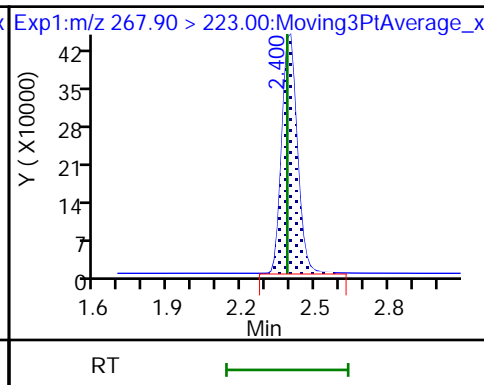
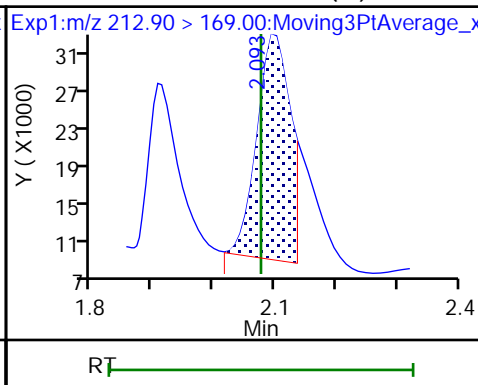
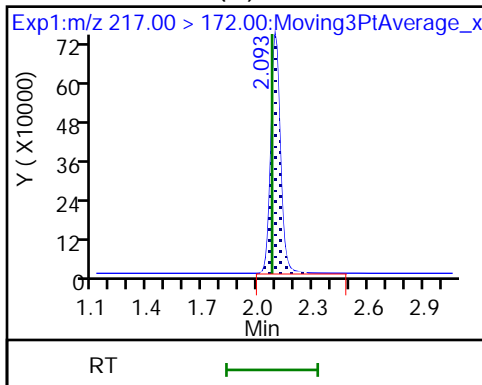
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA (M)

2 Perfluorobutanoic acid (M)

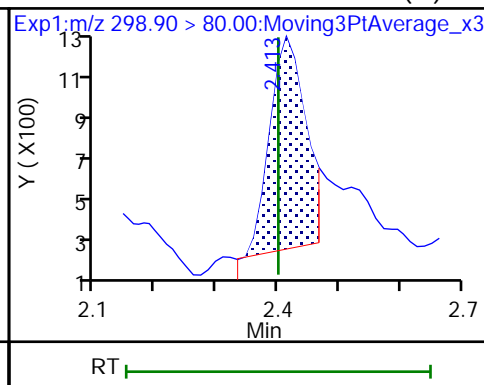
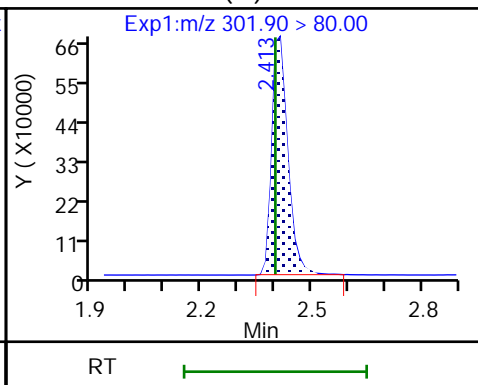
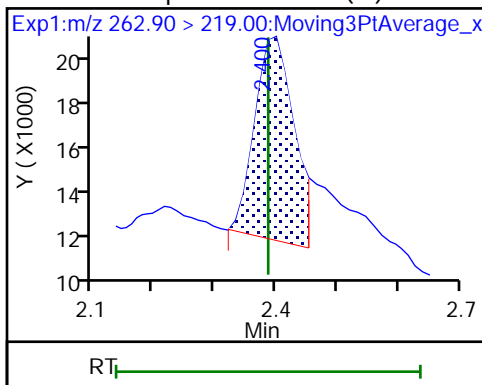
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS (M)

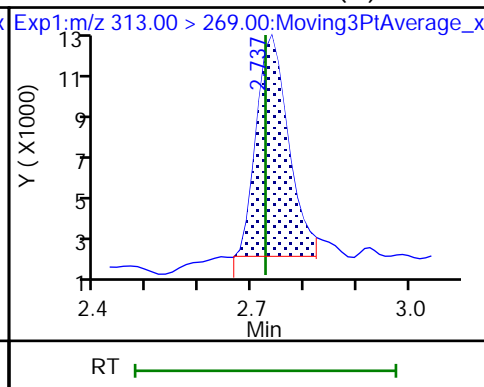
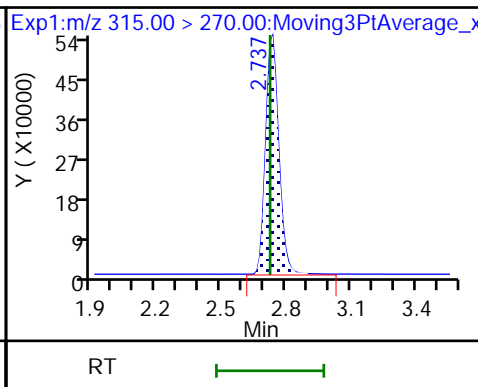
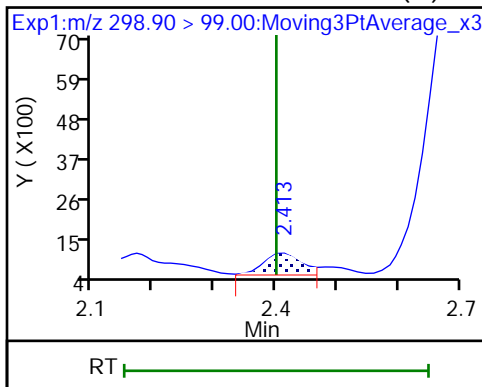
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

D 7 13C2 PFHxA

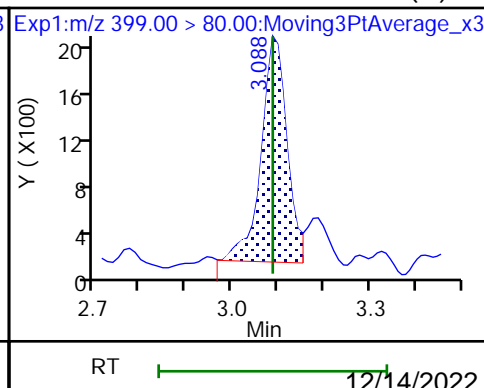
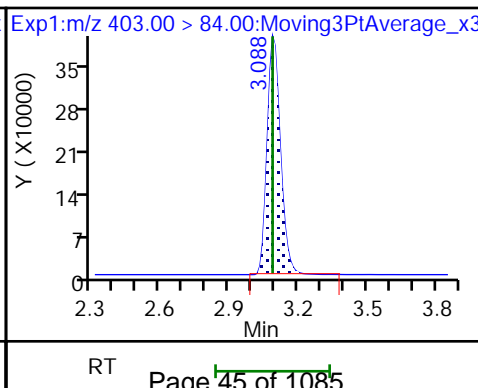
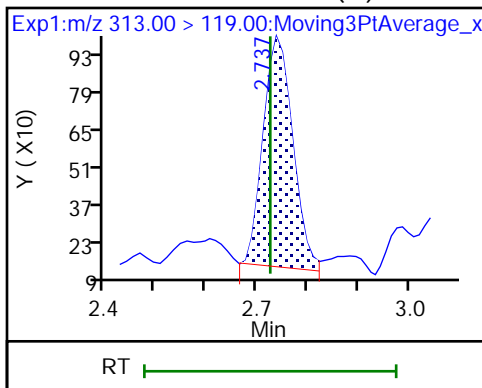
6 Perfluorohexanoic acid (M)



6 Perfluorohexanoic acid (M)

D 11 18O2 PFHxS

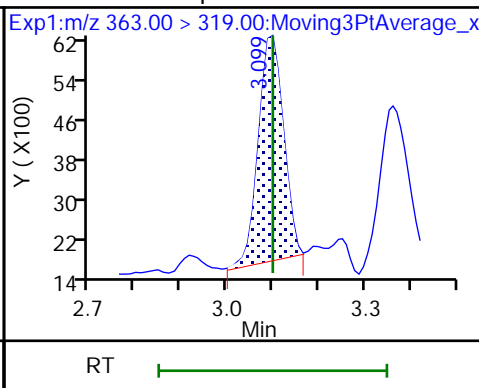
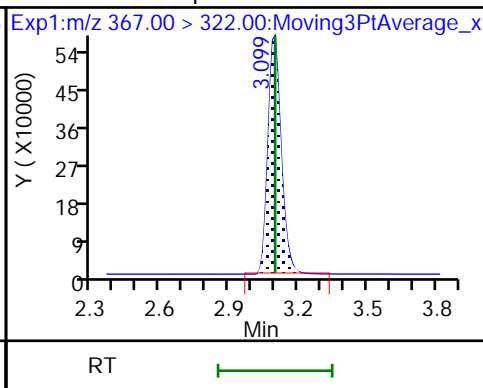
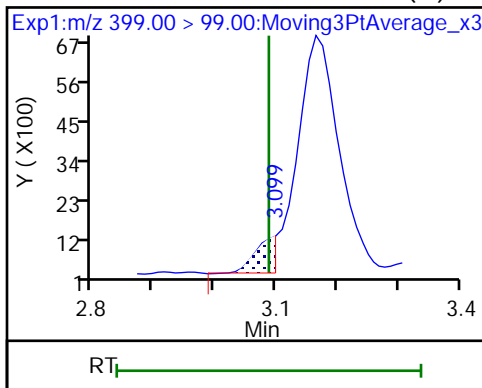
8 Perfluorohexanesulfonic acid (M)



8 Perfluorohexanesulfonic acid (M)

D 9 13C4 PFHpA

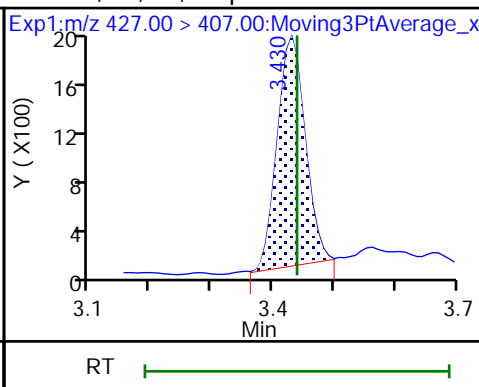
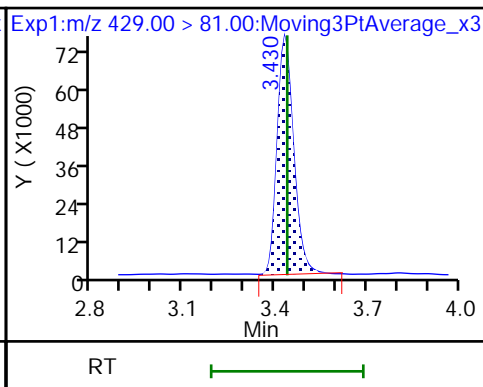
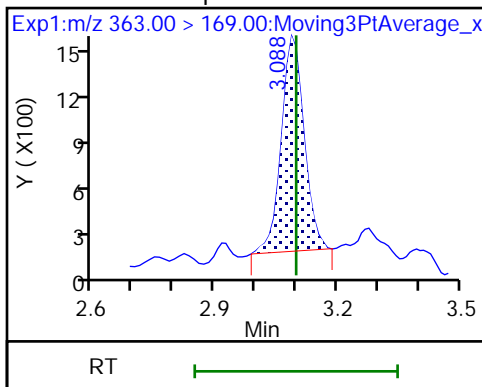
10 Perfluoroheptanoic acid



10 Perfluoroheptanoic acid

D 12 M2-6:2 FTS

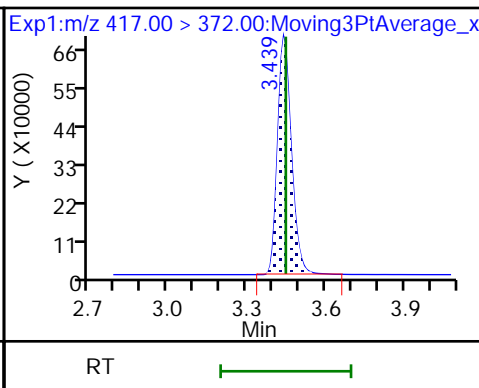
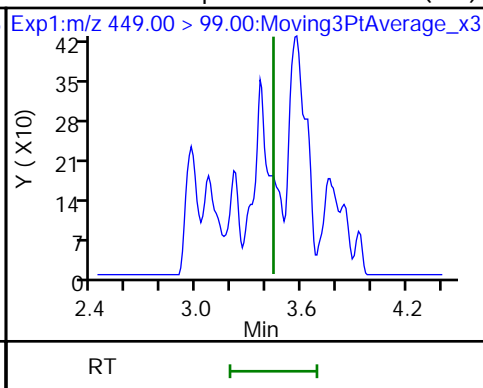
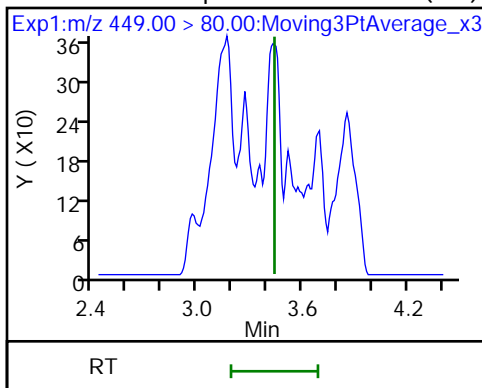
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



16 Perfluoroheptanesulfonic acid (ND)

16 Perfluoroheptanesulfonic acid (ND)

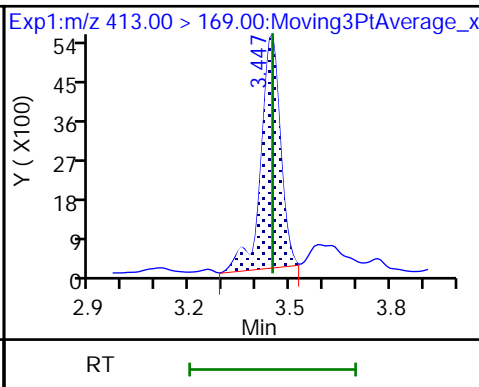
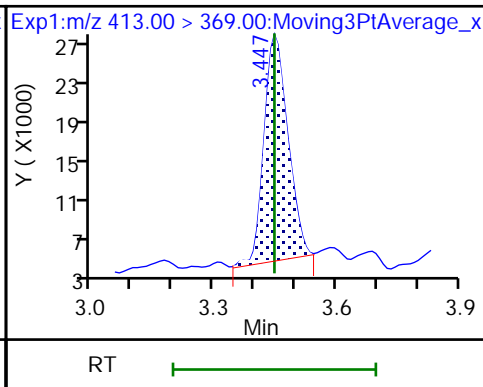
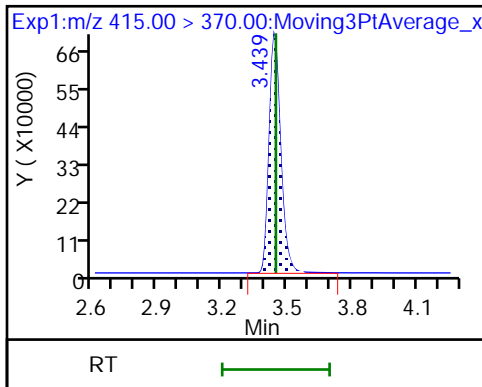
D 14 13C4 PFOA



* 62 13C2 PFOA

15 Perfluorooctanoic acid

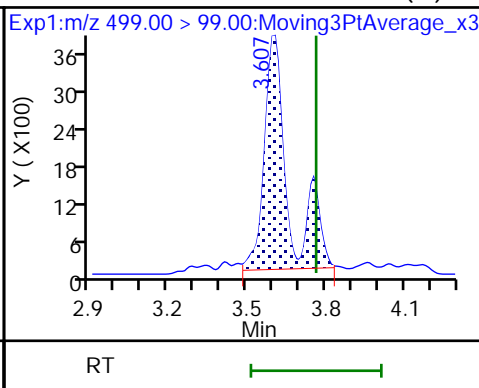
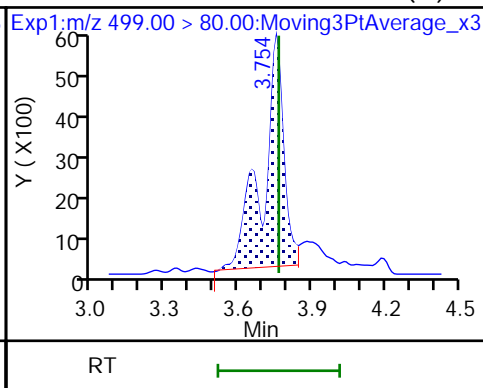
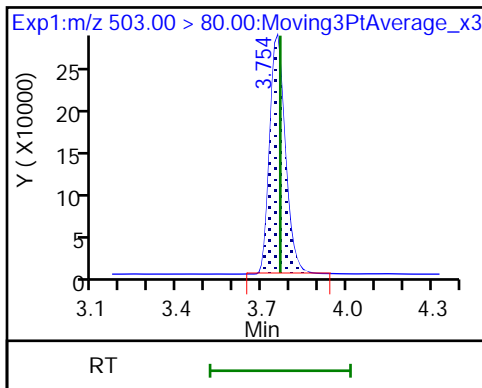
15 Perfluorooctanoic acid



D 18 13C4 PFOS

17 Perfluorooctanesulfonic acid (M)

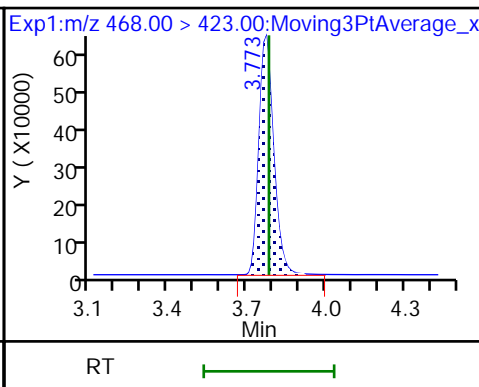
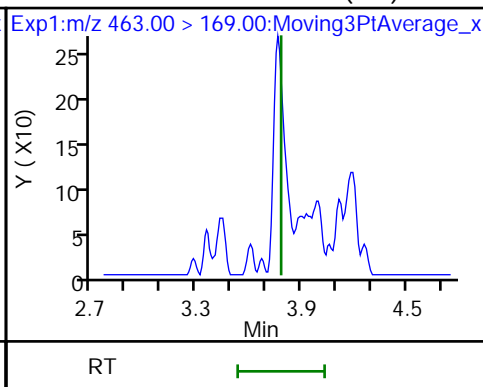
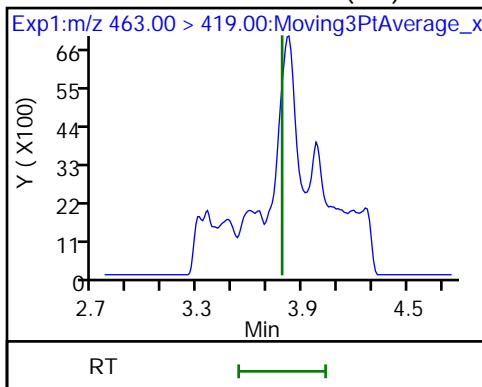
17 Perfluorooctanesulfonic acid (M)



20 Perfluorononanoic acid (ND)

20 Perfluorononanoic acid (ND)

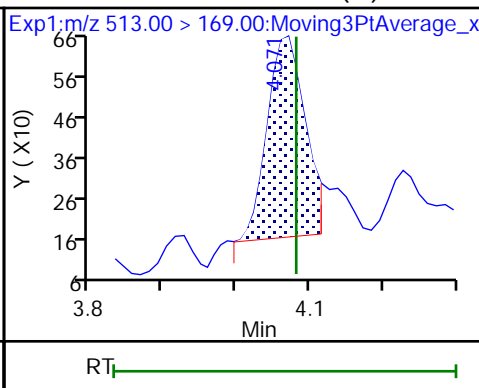
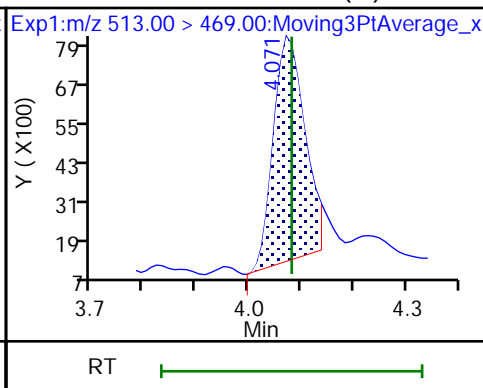
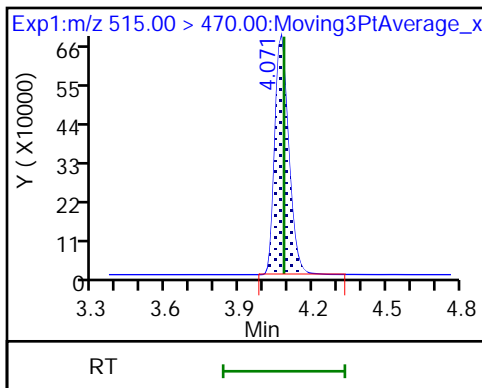
D 19 13C5 PFNA



D 23 13C2 PFDA

24 Perfluorodecanoic acid (M)

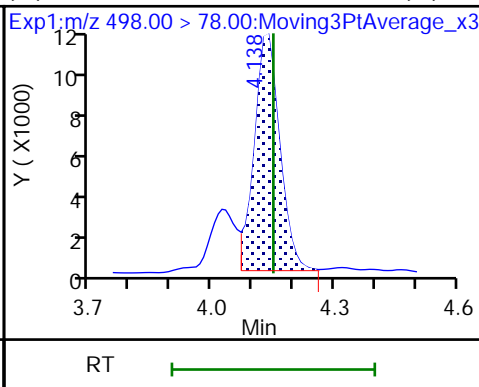
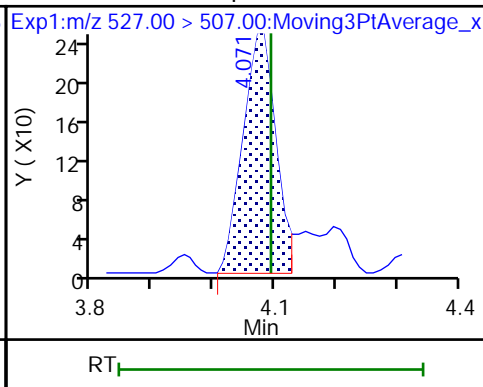
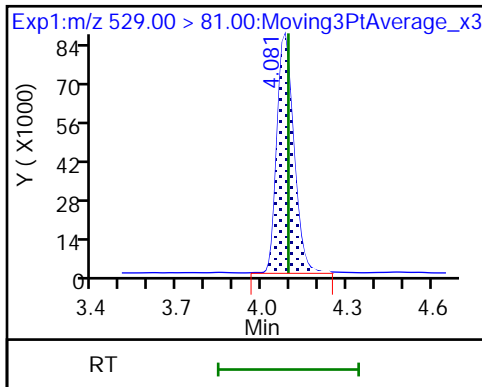
24 Perfluorodecanoic acid (M)



D 26 M2-8:2 FTS

25 1H,1H,2H,2H-perfluorodecanesulfo (M)

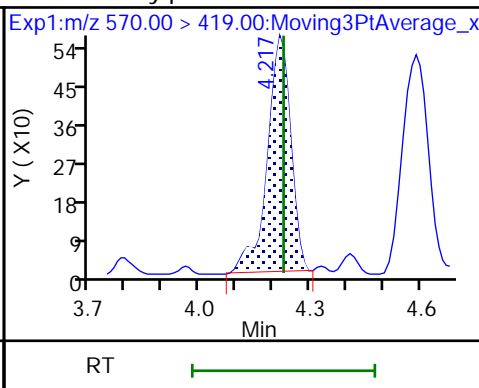
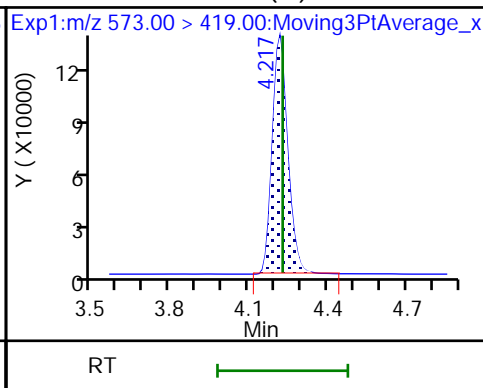
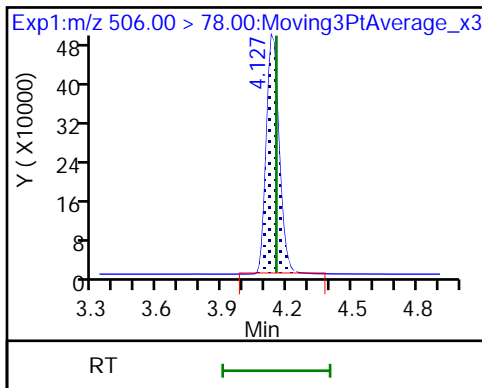
22 Perfluorooctanesulfonamide (M)



D 21 13C8 FOSA

D 27 d3-NMeFOSAA (M)

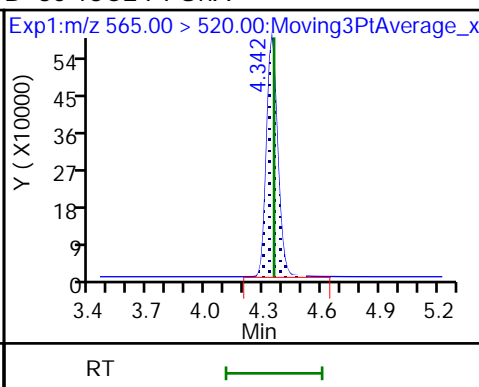
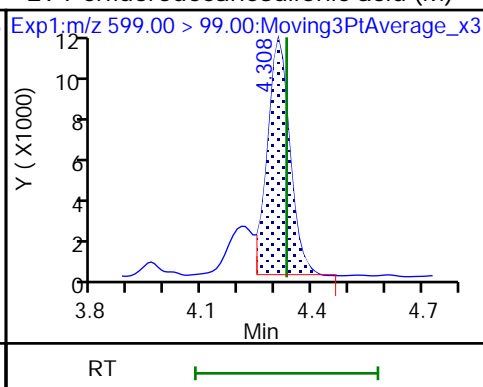
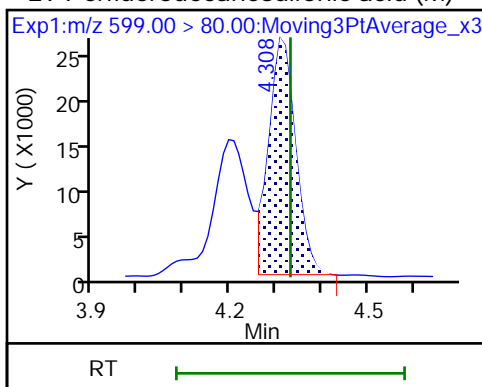
28 N-methylperfluorooctanesulfonami (M)



29 Perfluorodecanesulfonic acid (M)

29 Perfluorodecanesulfonic acid (M)

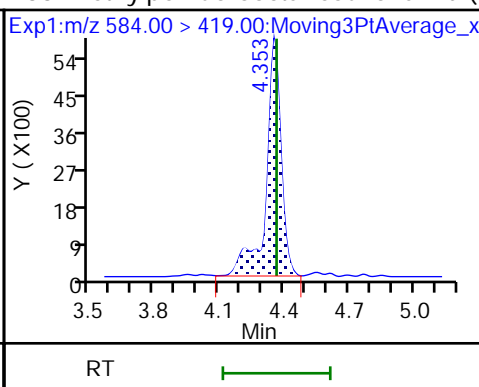
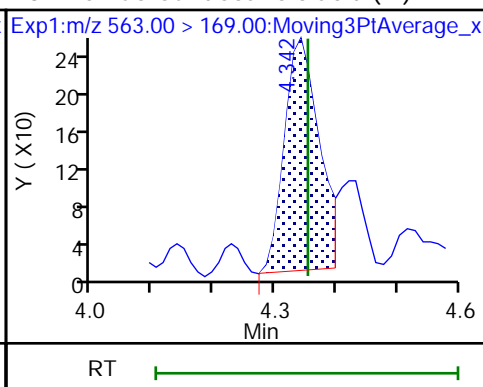
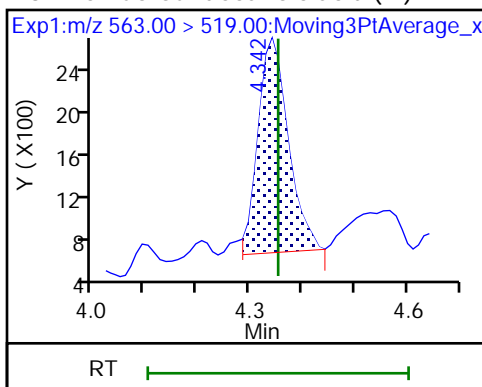
D 30 13C2 PFUnA



31 Perfluoroundecanoic acid (M)

31 Perfluoroundecanoic acid (M)

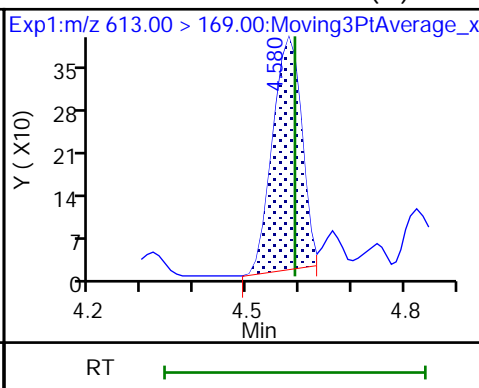
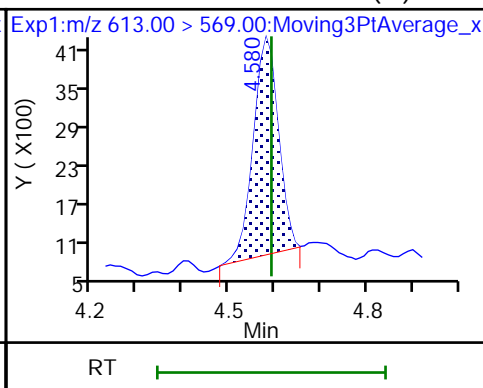
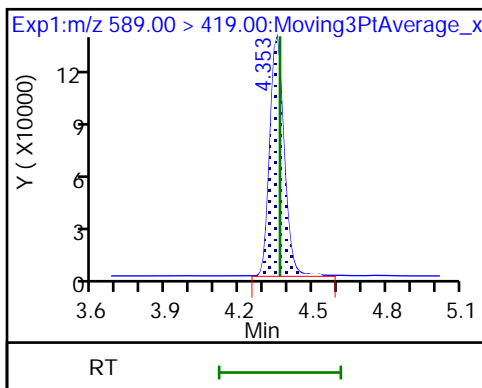
33 N-ethylperfluorooctanesulfonamid (M)



D 32 d5-NEtFOSAA

37 Perfluorododecanoic acid (M)

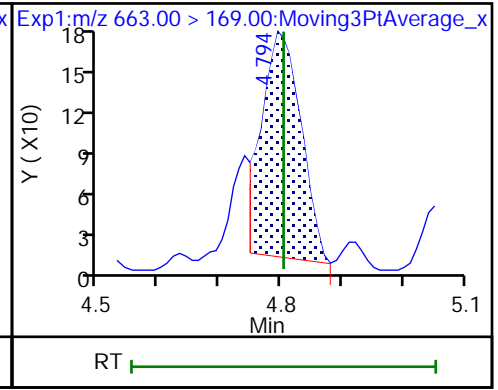
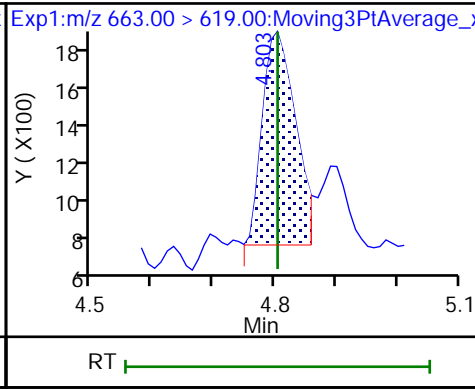
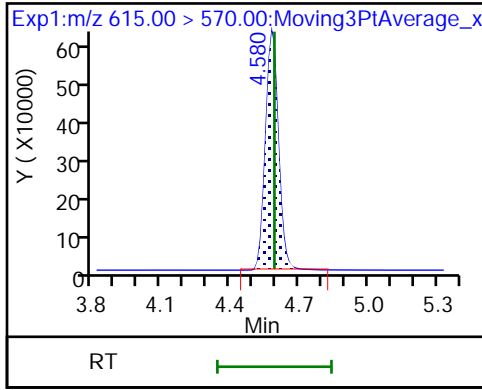
37 Perfluorododecanoic acid (M)



D 36 13C2 PFDaA

41 Perfluorotridecanoic acid (M)

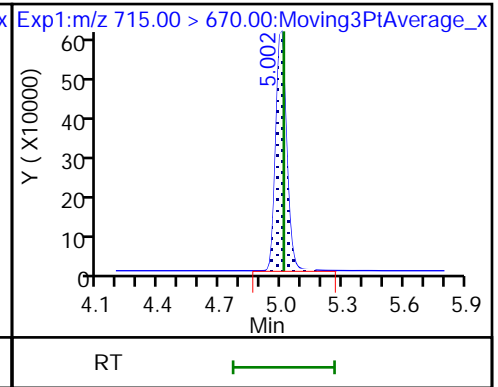
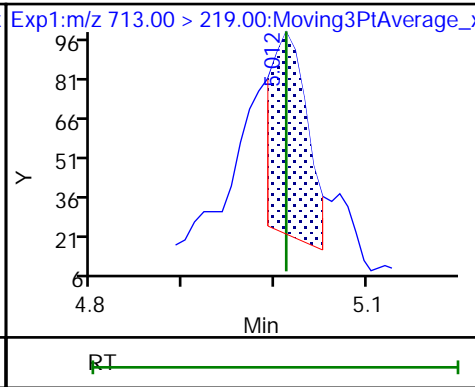
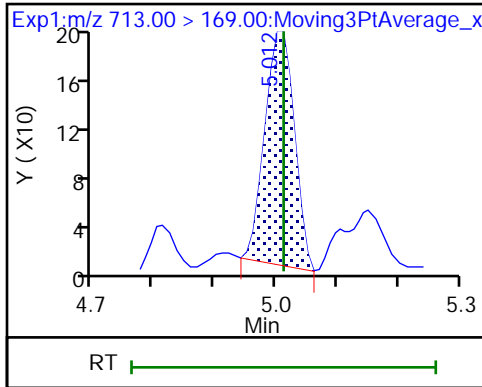
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid

42 Perfluorotetradecanoic acid (M)

D 43 13C2 PFTeDA



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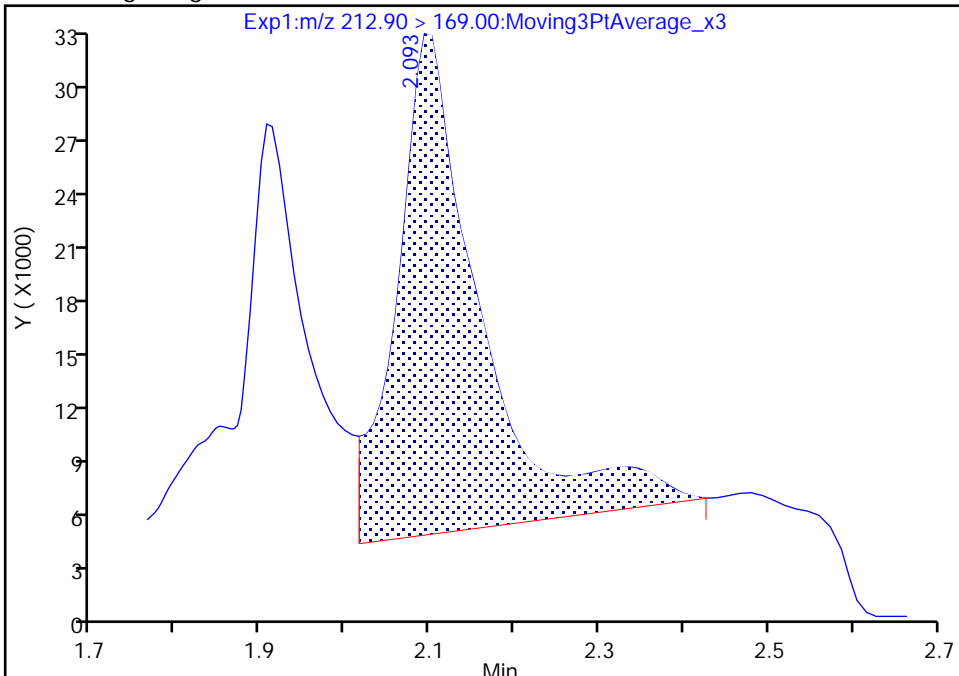
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Injection Date: 08-Dec-2022 17:56:41 Instrument ID: LC812
Lims ID: 460-270515-A-1-A Lab Sample ID: 200-270515-1
Client ID: BCS-09-11_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 21 Worklist Smp#: 24
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

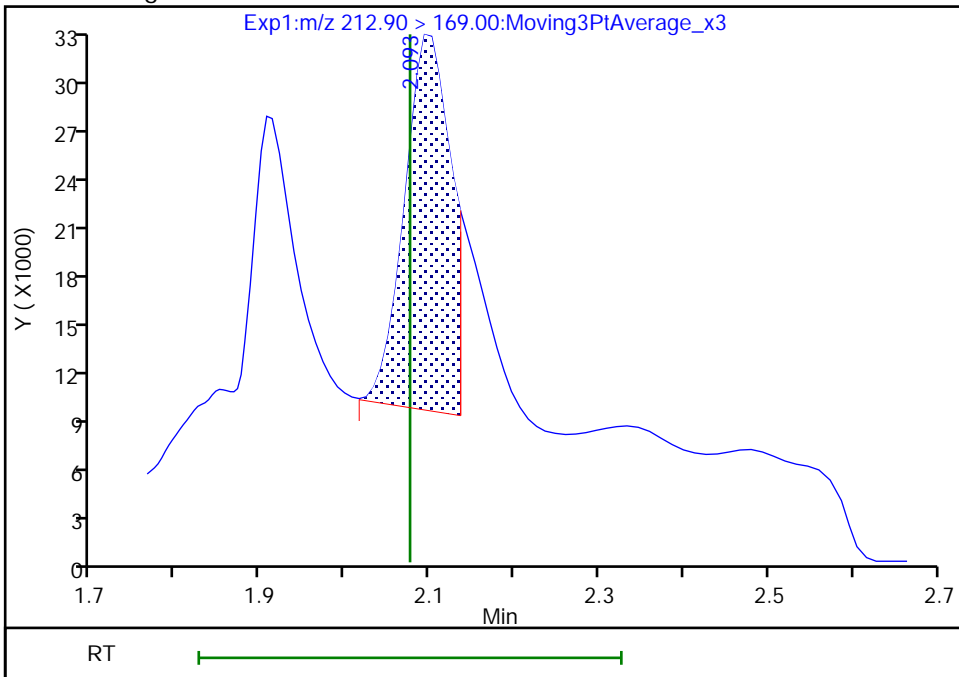
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Area: 192002
Amount: 0.086819
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 86997
Amount: 0.039338
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:12:28
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

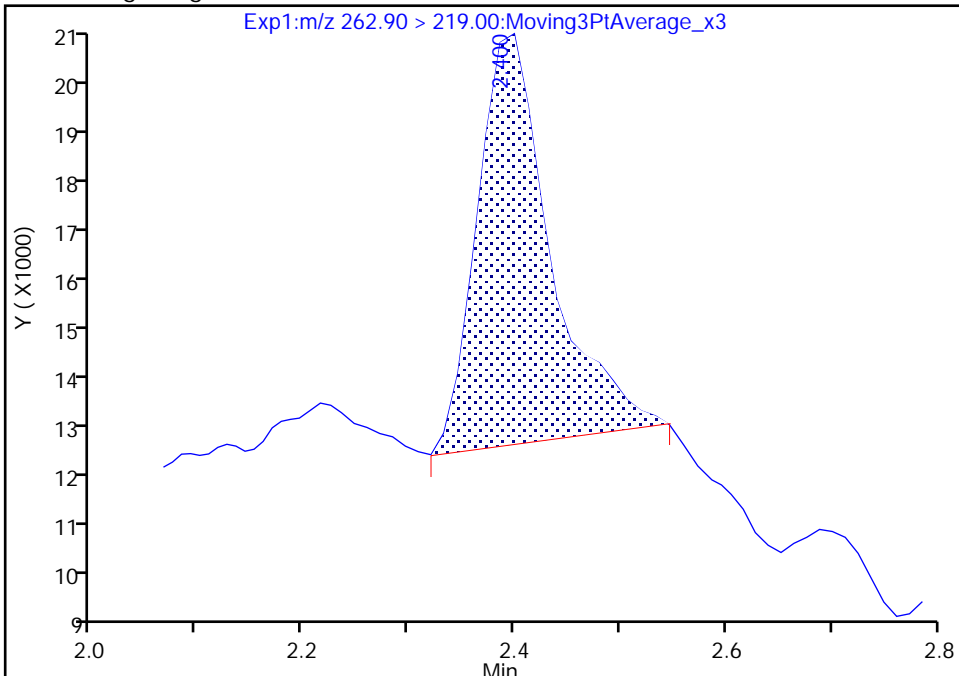
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Injection Date: 08-Dec-2022 17:56:41 Instrument ID: LC812
Lims ID: 460-270515-A-1-A Lab Sample ID: 200-270515-1
Client ID: BCS-09-11_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 21 Worklist Smp#: 24
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

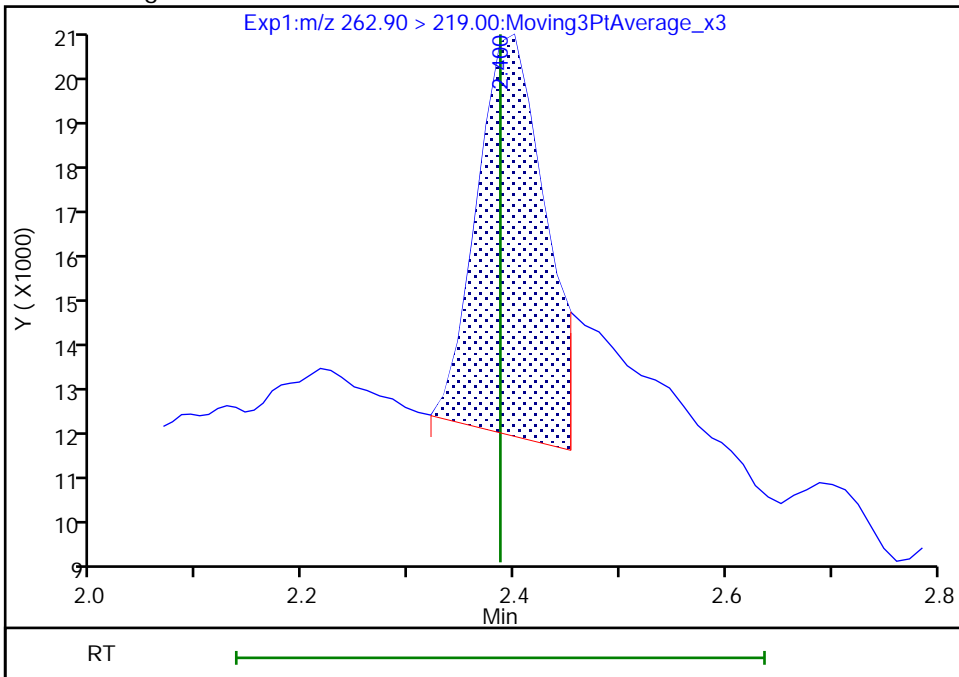
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Area: 40533
Amount: 0.024196
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 40045
Amount: 0.023905
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:12:44
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

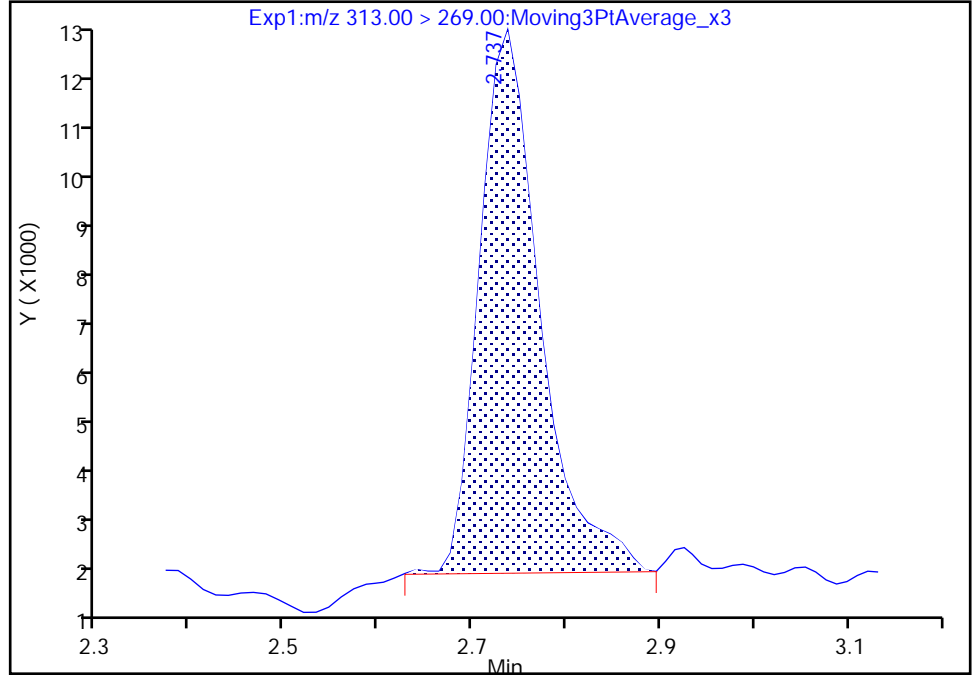
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Injection Date: 08-Dec-2022 17:56:41 Instrument ID: LC812
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Client ID: BCS-09-11_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 21 Worklist Smp#: 24
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

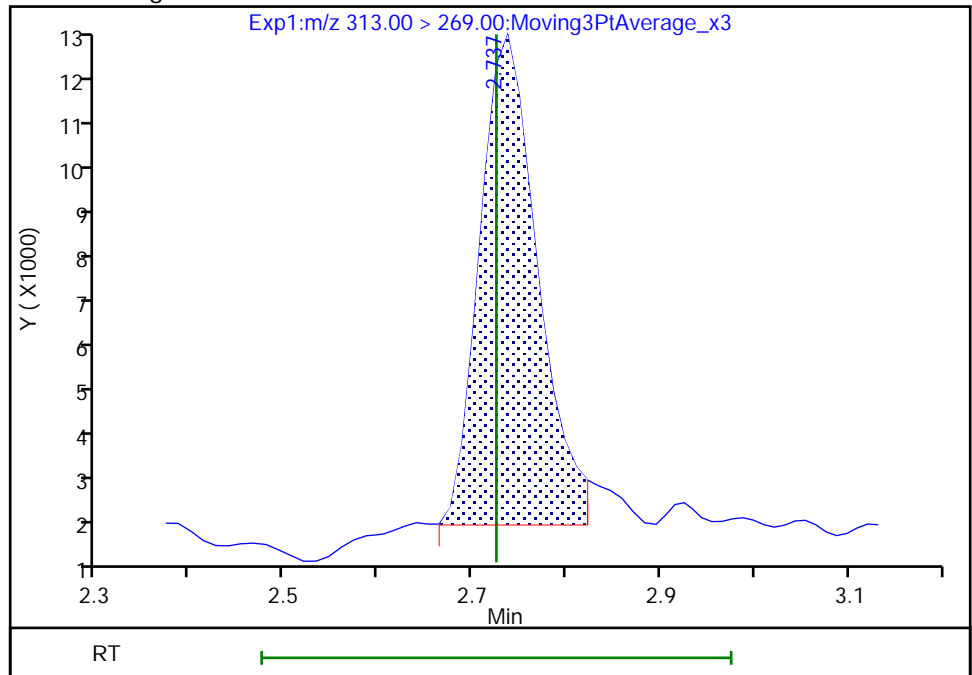
RT: 2.74
Area: 49054
Amount: 0.024444
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 46508
Amount: 0.023175
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:13:17
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

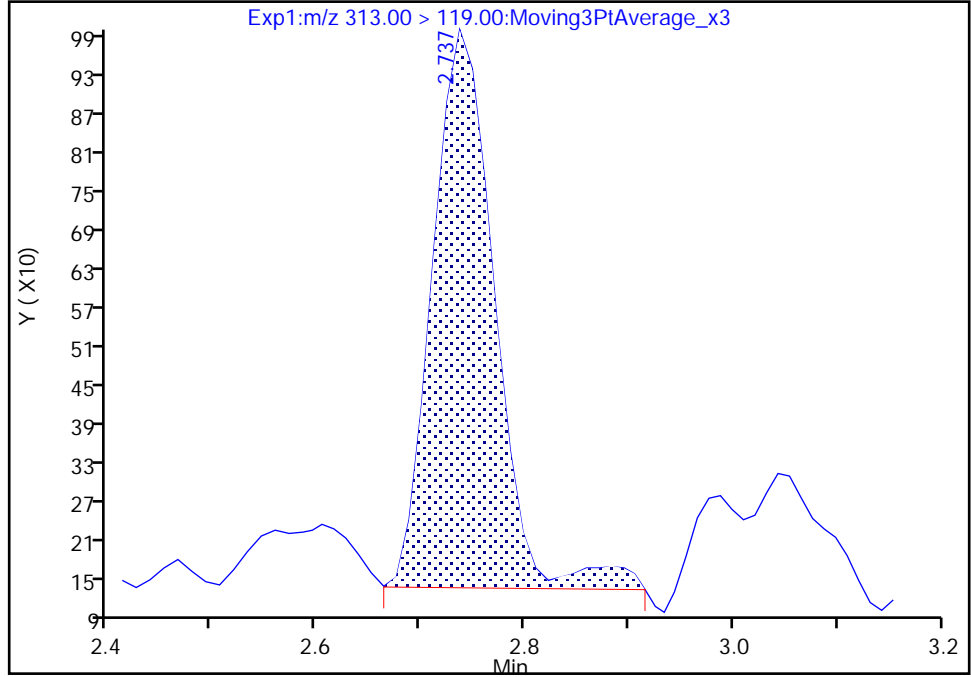
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Injection Date: 08-Dec-2022 17:56:41 Instrument ID: LC812
Lims ID: 460-270515-A-1-A Lab Sample ID: 200-270515-1
Client ID: BCS-09-11_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 21 Worklist Smp#: 24
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

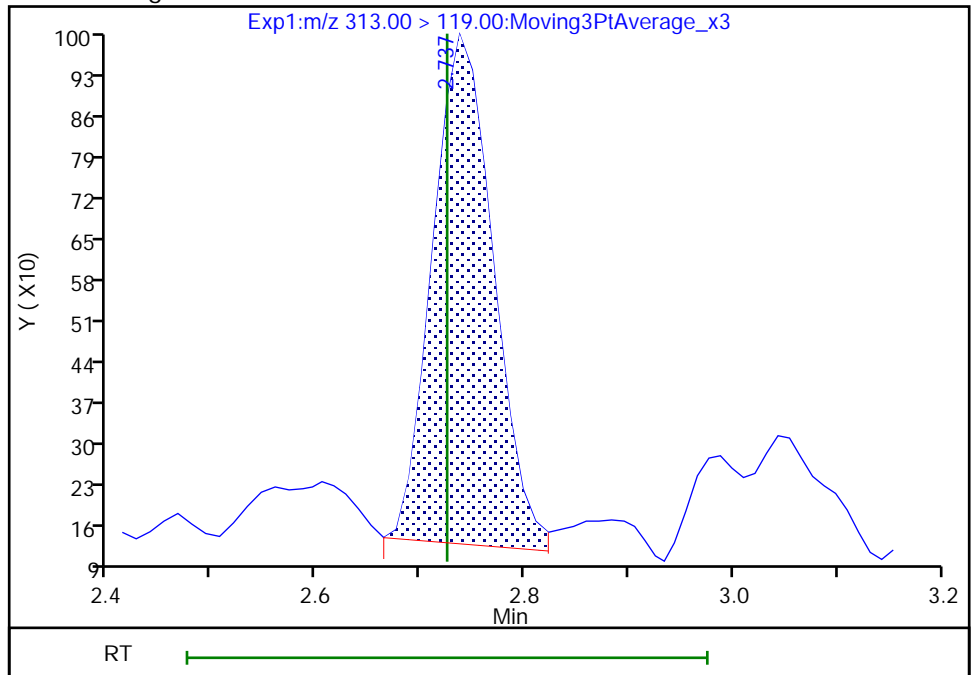
RT: 2.74
Area: 3551
Amount: 0.024444
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 3504
Amount: 0.023175
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:13:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

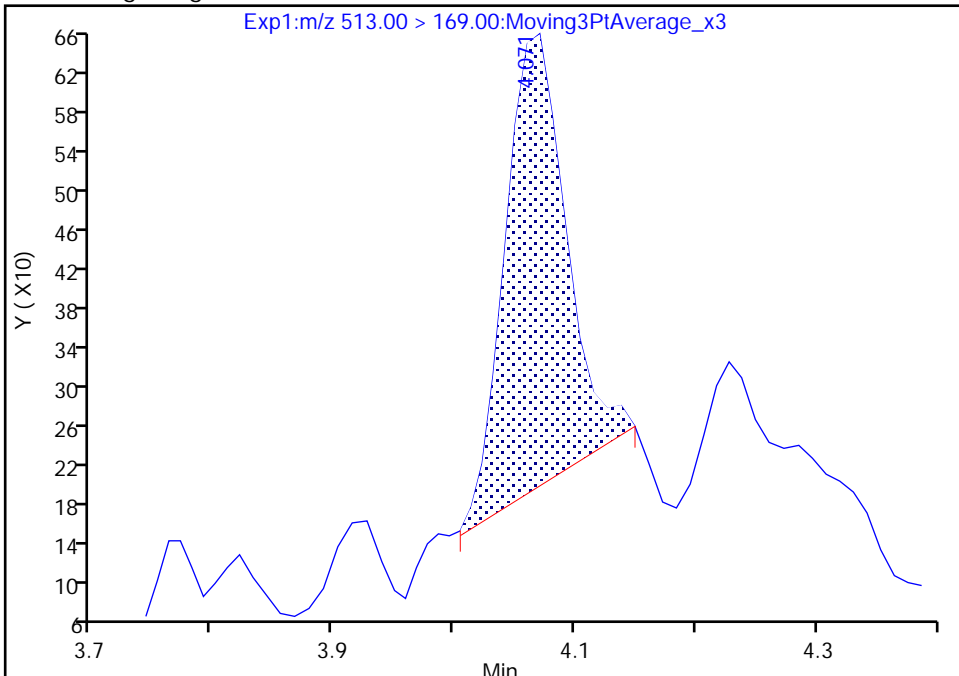
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Injection Date: 08-Dec-2022 17:56:41 Instrument ID: LC812
Lims ID: 460-270515-A-1-A Lab Sample ID: 200-270515-1
Client ID: BCS-09-11_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 21 Worklist Smp#: 24
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

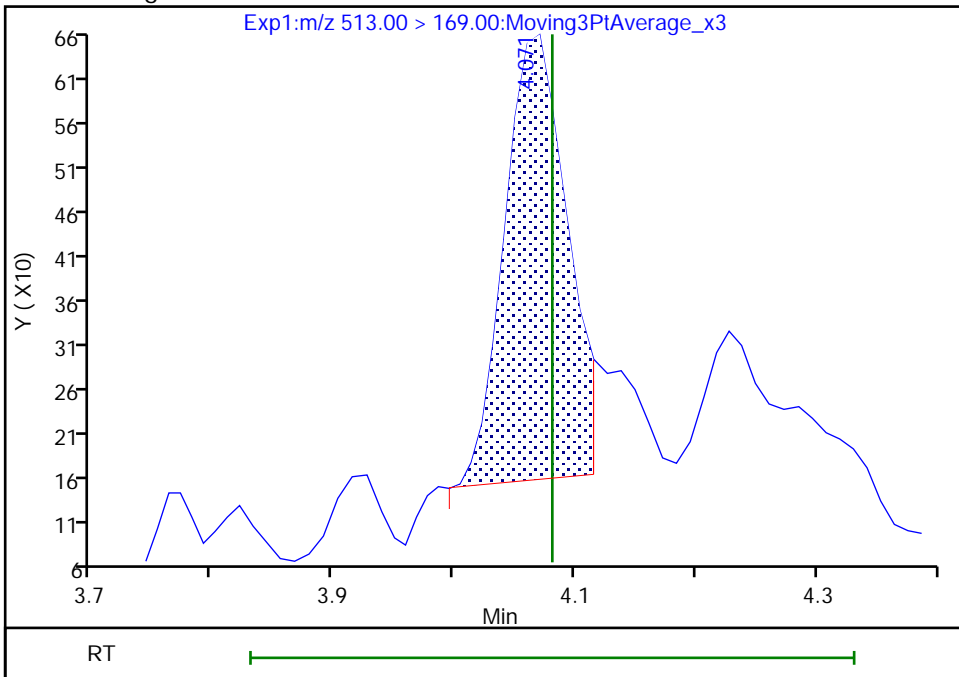
RT: 4.07
Area: 1612
Amount: 0.013122
Amount Units: ng/ml

Processing Integration Results



RT: 4.07
Area: 1765
Amount: 0.012428
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:14:48
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

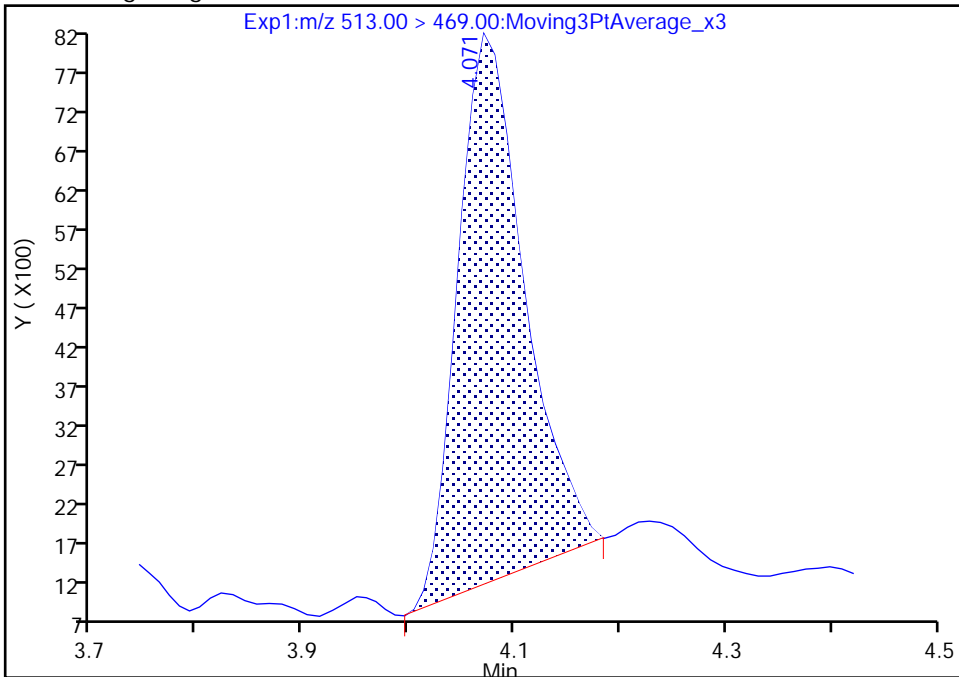
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A24.d
Injection Date: 08-Dec-2022 17:56:41 Instrument ID: LC812
Lims ID: 460-270515-A-1-A Lab Sample ID: 200-270515-1
Client ID: BCS-09-11_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 21 Worklist Smp#: 24
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

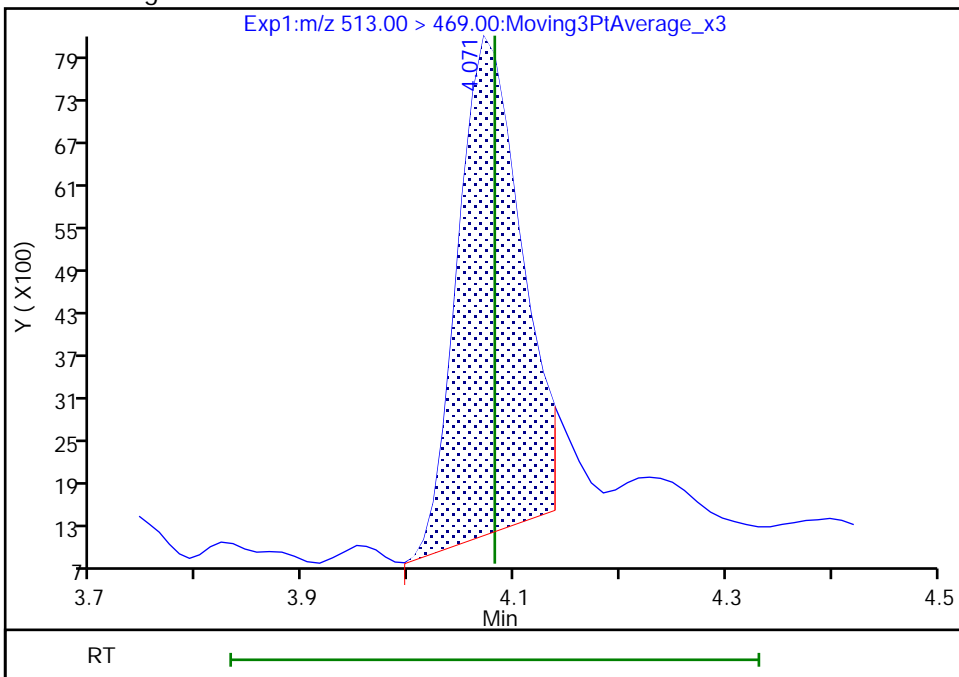
RT: 4.07
Area: 30734
Amount: 0.013122
Amount Units: ng/ml

Processing Integration Results



RT: 4.07
Area: 29109
Amount: 0.012428
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:14:50

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

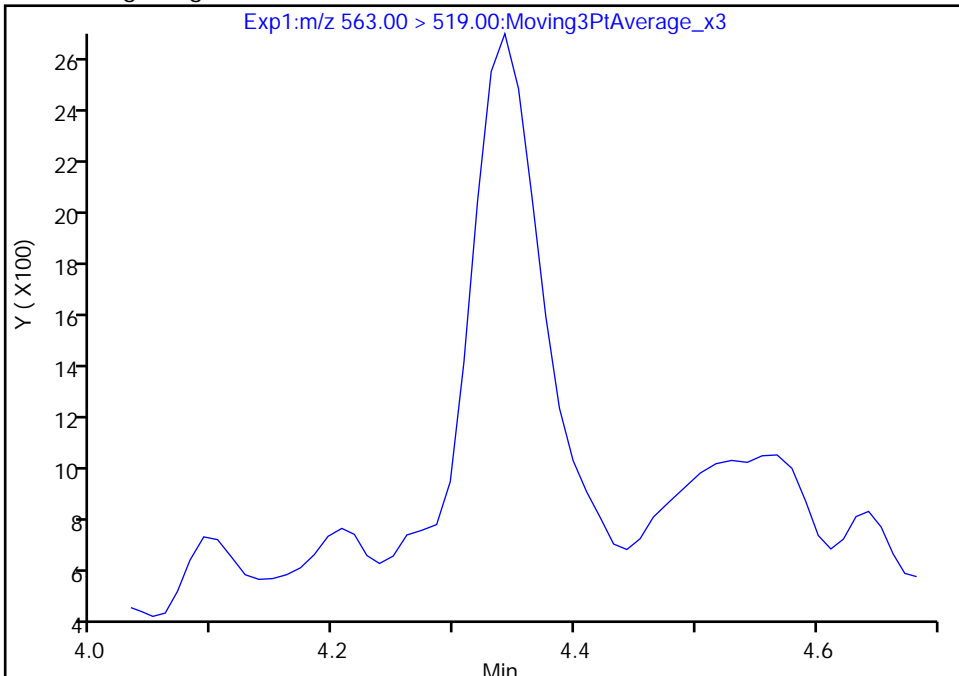
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A24.d
Injection Date: 08-Dec-2022 17:56:41 Instrument ID: LC812
Lims ID: 460-270515-A-1-A Lab Sample ID: 200-270515-1
Client ID: BCS-09-11_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 21 Worklist Smp#: 24
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

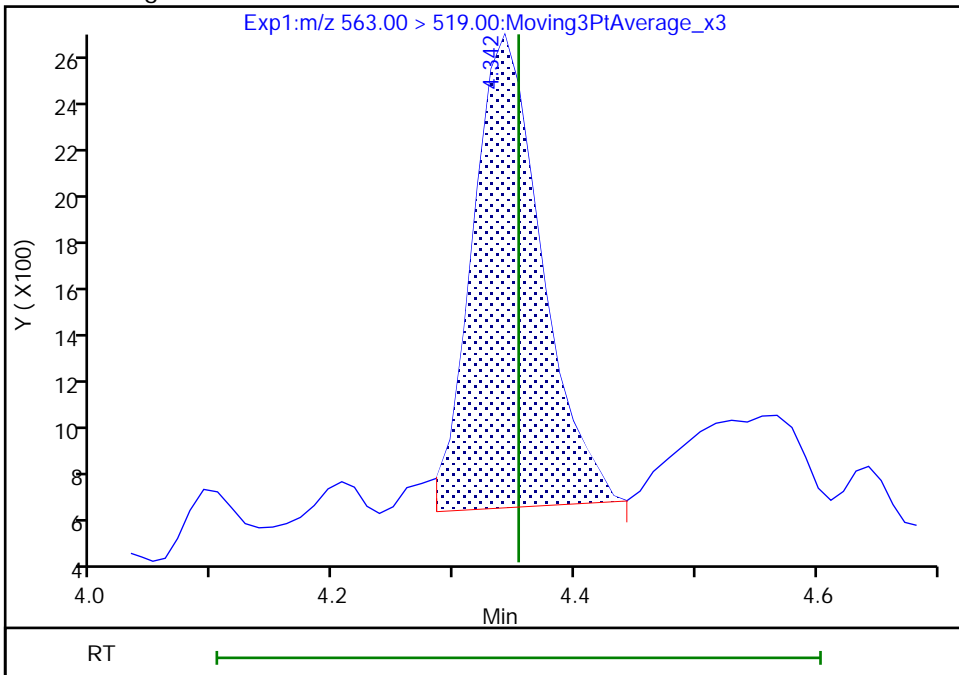
Not Detected
Expected RT: 4.35

Processing Integration Results



Manual Integration Results

RT: 4.34
Area: 7558
Amount: 0.003978
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 17:16:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

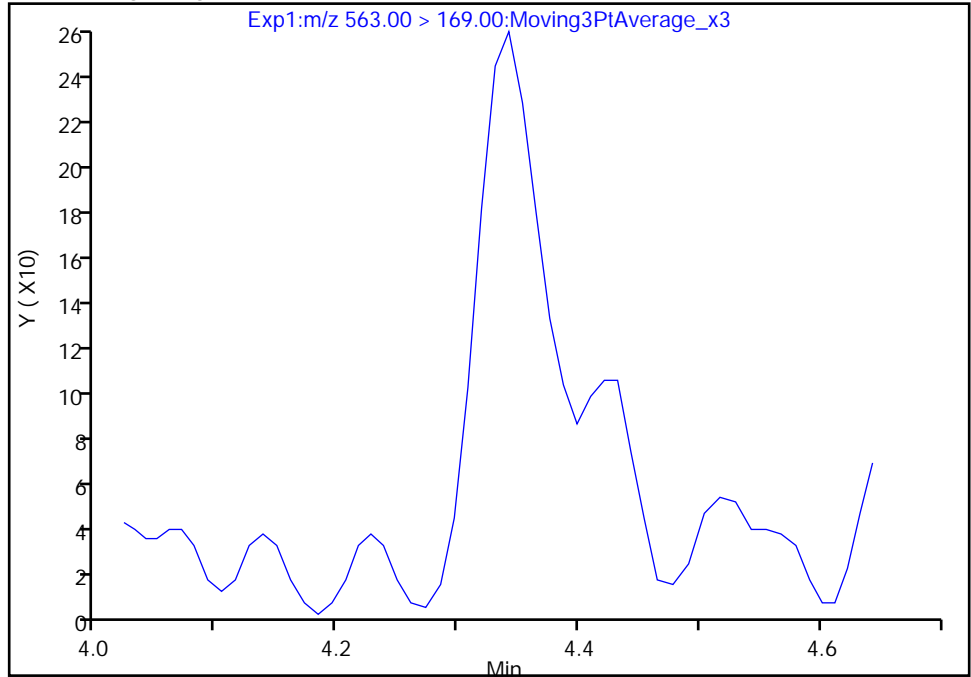
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A24.d
Injection Date: 08-Dec-2022 17:56:41 Instrument ID: LC812
Lims ID: 460-270515-A-1-A Lab Sample ID: 200-270515-1
Client ID: BCS-09-11_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 21 Worklist Smp#: 24
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

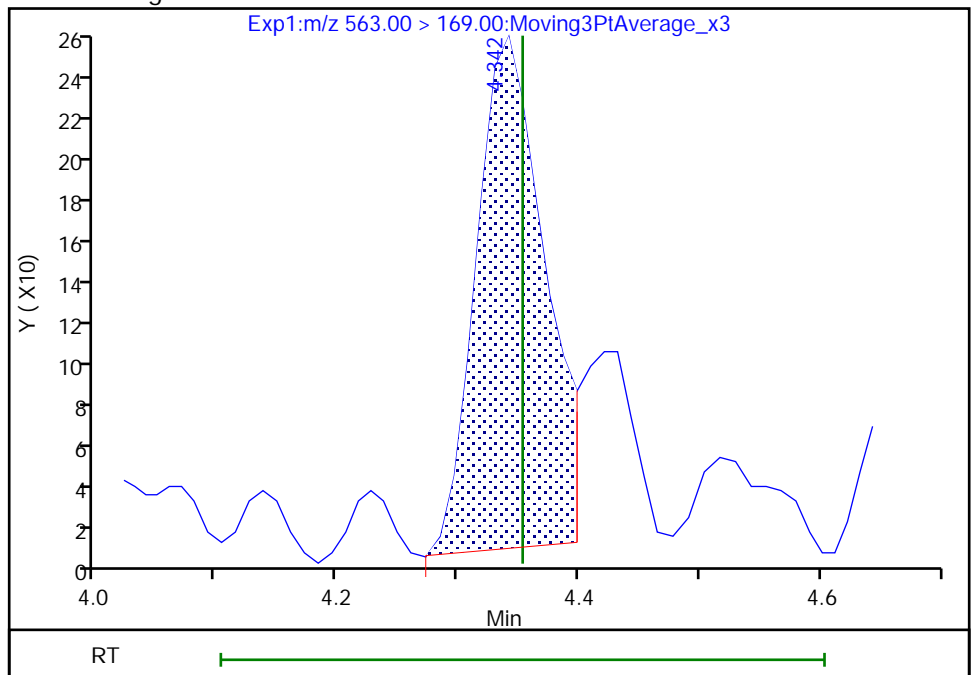
Not Detected
Expected RT: 4.35

Processing Integration Results



Manual Integration Results

RT: 4.34
Area: 964
Amount: 0.003978
Amount Units: ng/ml



Reviewer: nampitkw, 09-Dec-2022 17:16:14

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

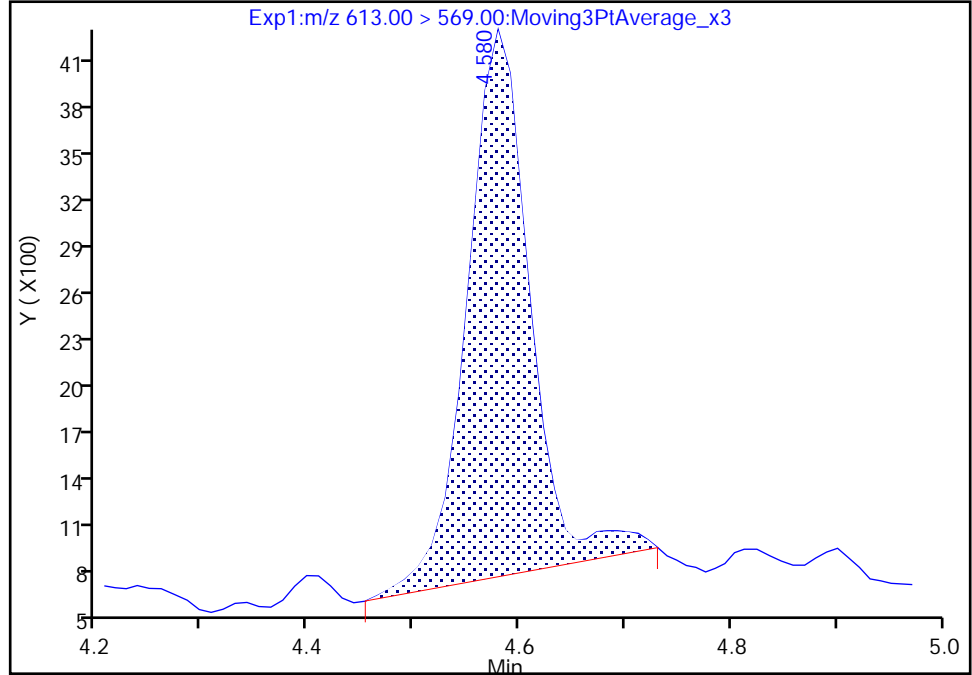
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A24.d
Injection Date: 08-Dec-2022 17:56:41 Instrument ID: LC812
Lims ID: 460-270515-A-1-A Lab Sample ID: 200-270515-1
Client ID: BCS-09-11_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 21 Worklist Smp#: 24
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

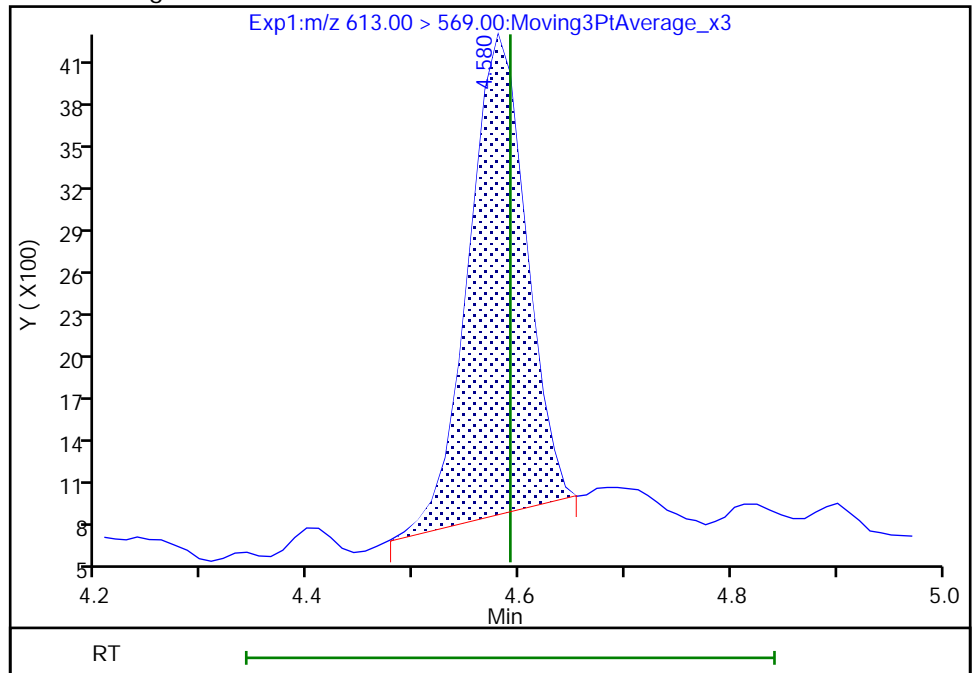
RT: 4.58
Area: 14319
Amount: 0.006748
Amount Units: ng/ml

Processing Integration Results



RT: 4.58
Area: 12720
Amount: 0.005994
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:16:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

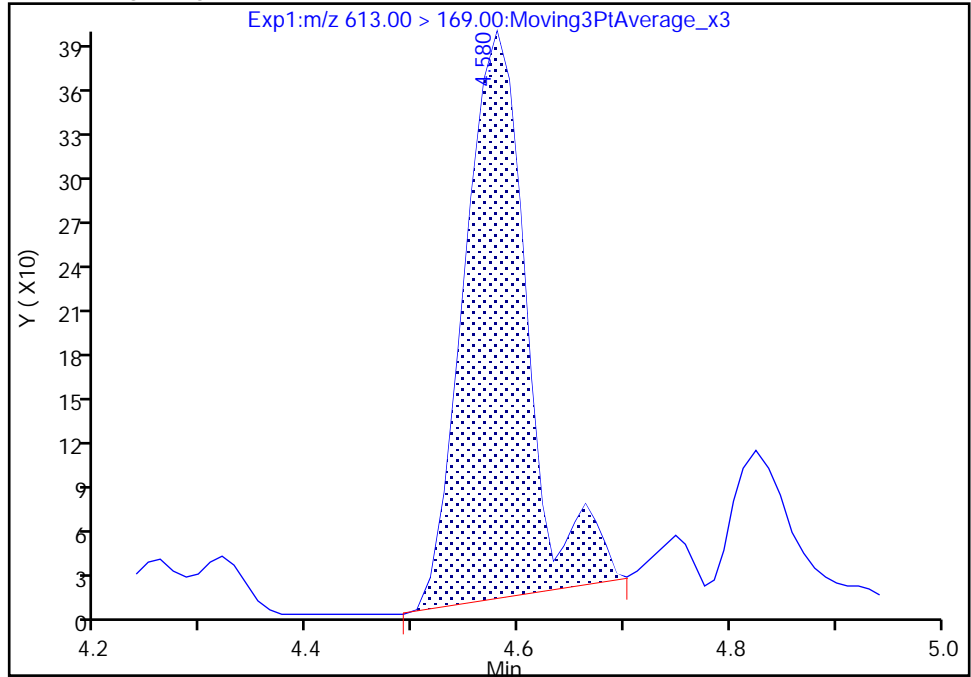
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A24.d
Injection Date: 08-Dec-2022 17:56:41 Instrument ID: LC812
Lims ID: 460-270515-A-1-A Lab Sample ID: 200-270515-1
Client ID: BCS-09-11_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 21 Worklist Smp#: 24
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

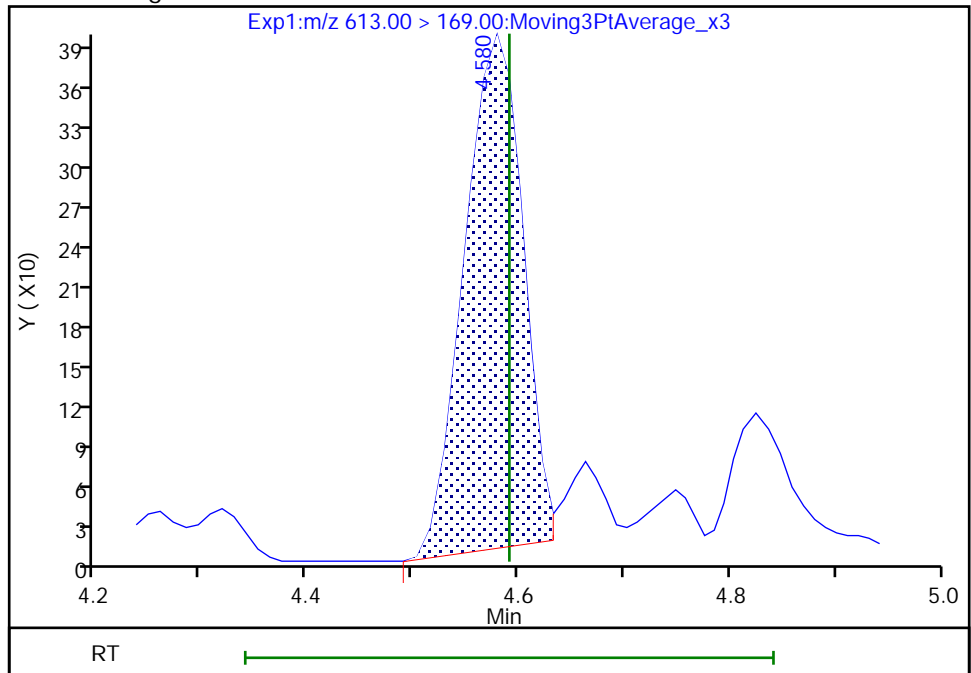
RT: 4.58
Area: 1582
Amount: 0.006748
Amount Units: ng/ml

Processing Integration Results



RT: 4.58
Area: 1465
Amount: 0.005994
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 17:16:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

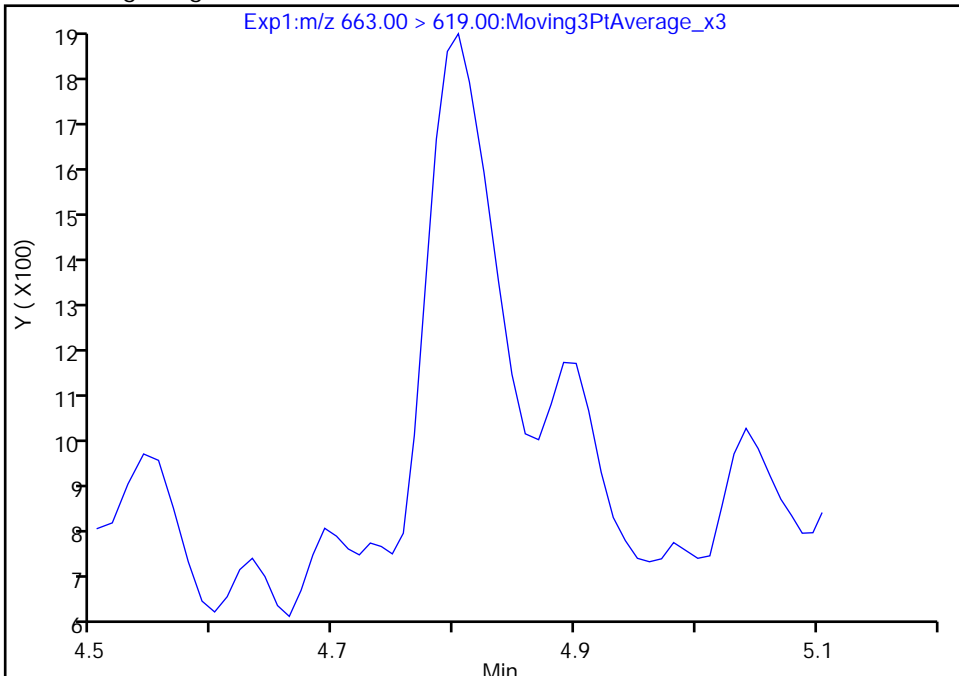
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A24.d
Injection Date: 08-Dec-2022 17:56:41 Instrument ID: LC812
Lims ID: 460-270515-A-1-A Lab Sample ID: 200-270515-1
Client ID: BCS-09-11_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 21 Worklist Smp#: 24
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

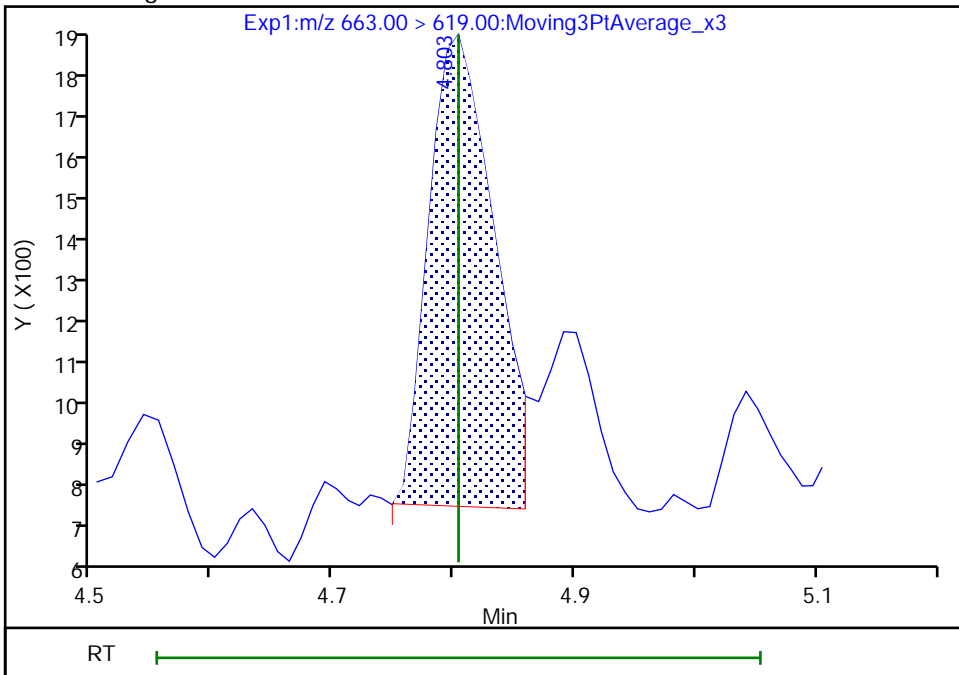
Not Detected
Expected RT: 4.80

Processing Integration Results



Manual Integration Results

RT: 4.80
Area: 3955
Amount: 0.001949
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 17:16:48
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

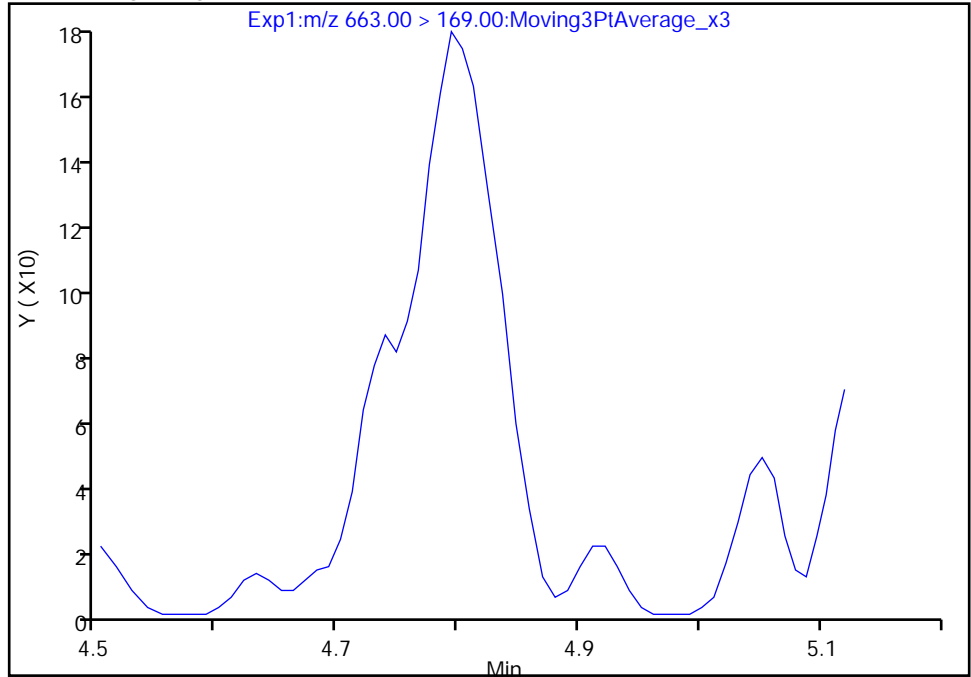
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A24.d
Injection Date: 08-Dec-2022 17:56:41 Instrument ID: LC812
Lims ID: 460-270515-A-1-A Lab Sample ID: 200-270515-1
Client ID: BCS-09-11_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 21 Worklist Smp#: 24
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

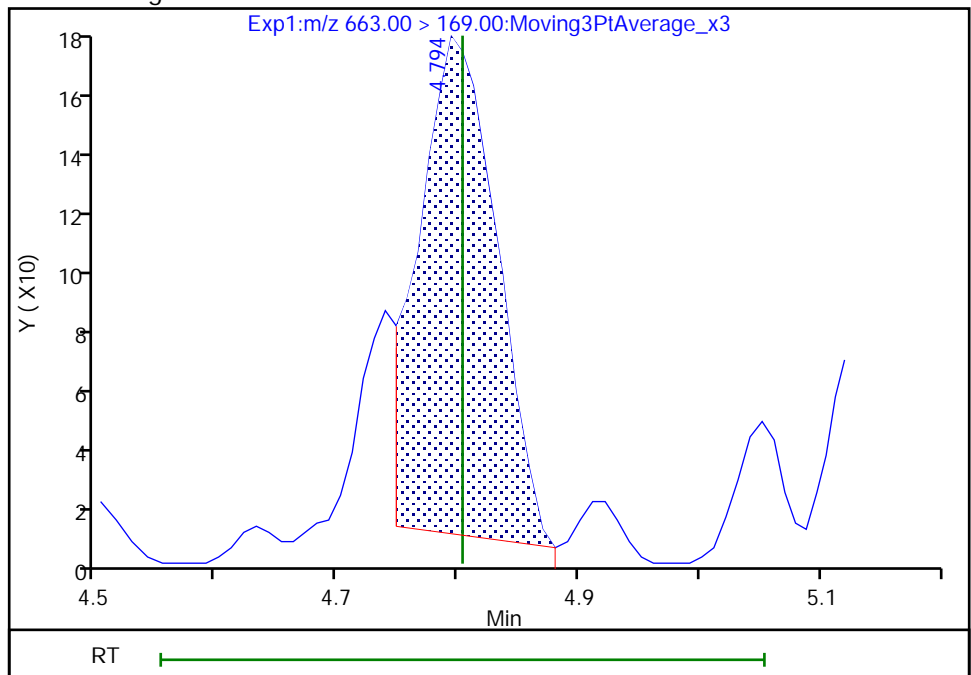
Not Detected
Expected RT: 4.80

Processing Integration Results



Manual Integration Results

RT: 4.79
Area: 716
Amount: 0.001949
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 17:16:50

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

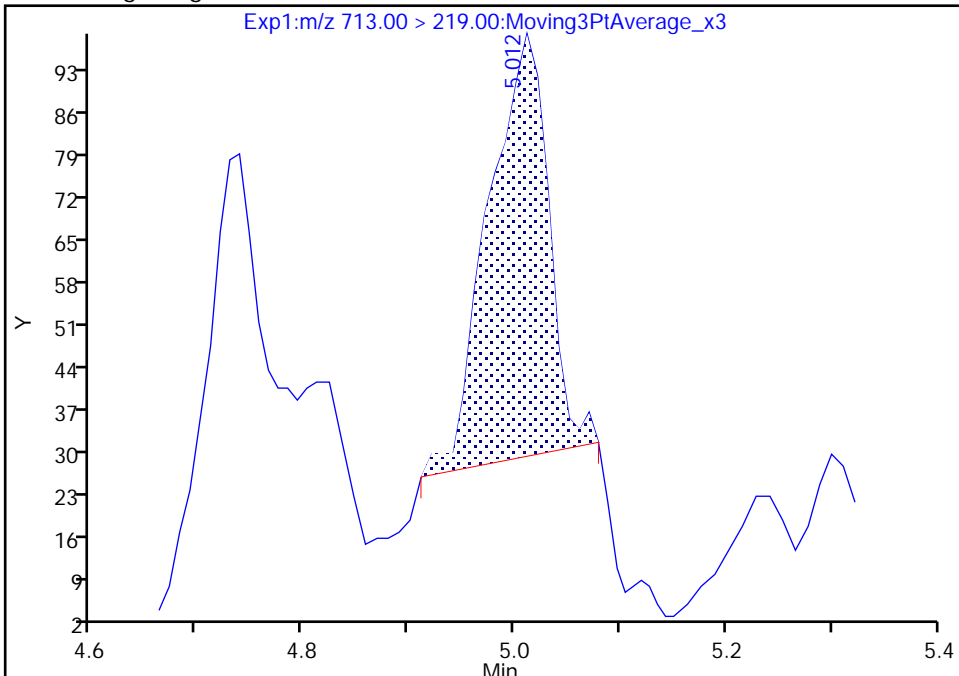
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A24.d
Injection Date: 08-Dec-2022 17:56:41 Instrument ID: LC812
Lims ID: 460-270515-A-1-A Lab Sample ID: 200-270515-1
Client ID: BCS-09-11_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 21 Worklist Smp#: 24
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

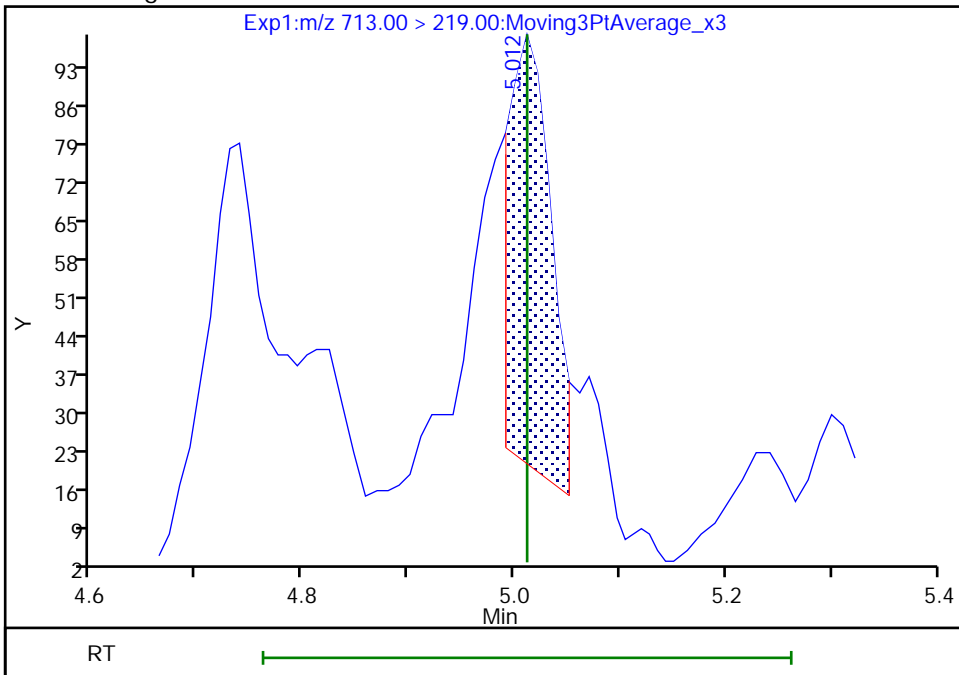
RT: 5.01
Area: 278
Amount: 0.002493
Amount Units: ng/ml

Processing Integration Results



RT: 5.01
Area: 209
Amount: 0.002493
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:17:01
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

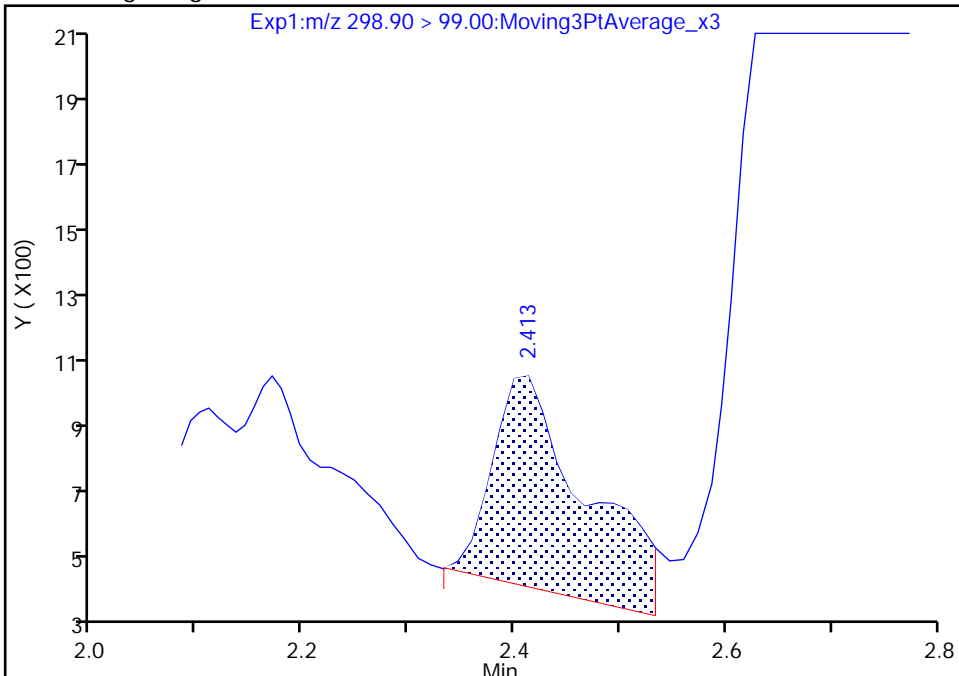
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A24.d
Injection Date: 08-Dec-2022 17:56:41 Instrument ID: LC812
Lims ID: 460-270515-A-1-A Lab Sample ID: 200-270515-1
Client ID: BCS-09-11_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 21 Worklist Smp#: 24
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

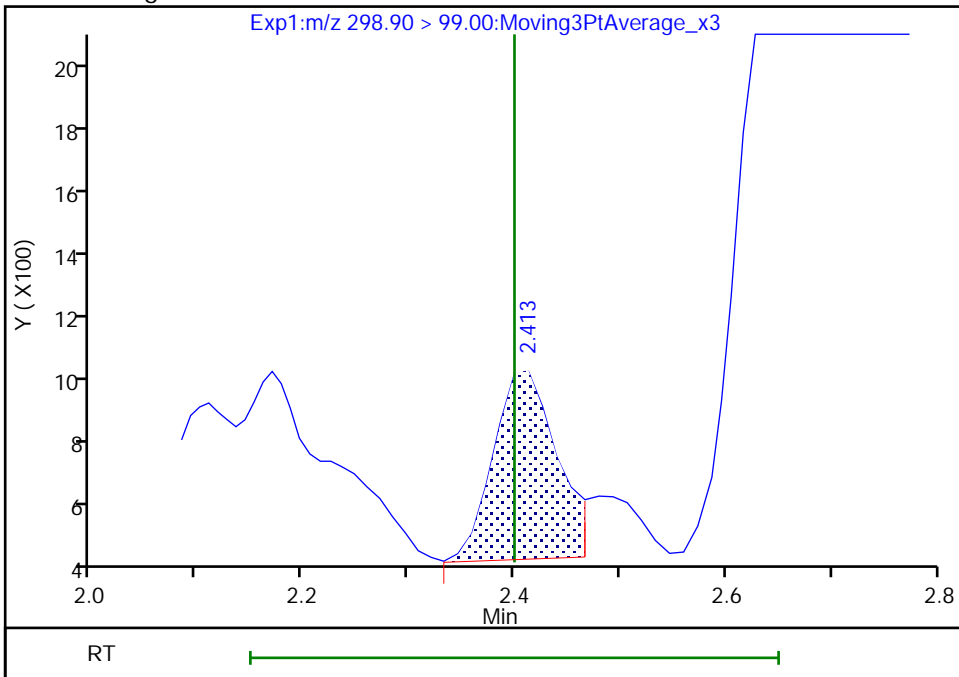
RT: 2.41
Area: 3928
Amount: 0.001760
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 2360
Amount: 0.001945
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:12:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

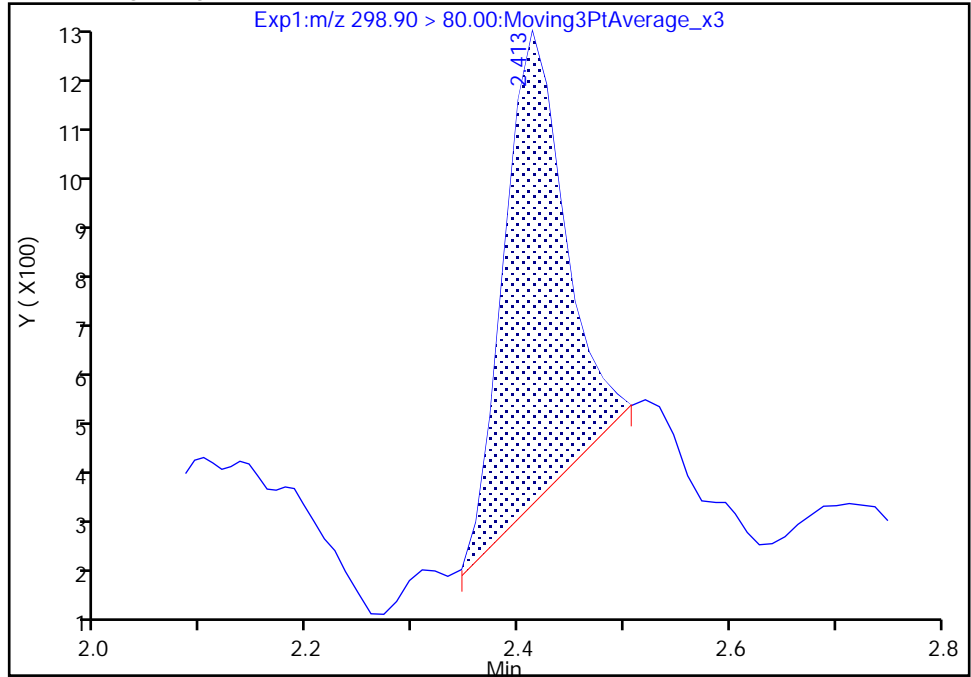
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A24.d
Injection Date: 08-Dec-2022 17:56:41 Instrument ID: LC812
Lims ID: 460-270515-A-1-A Lab Sample ID: 200-270515-1
Client ID: BCS-09-11_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 21 Worklist Smp#: 24
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

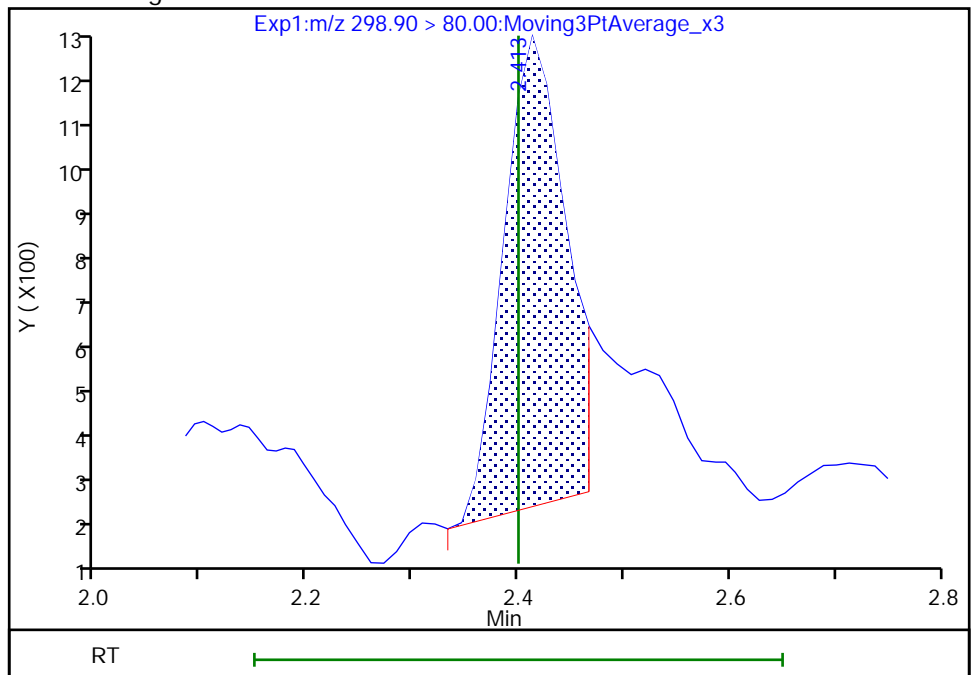
RT: 2.41
Area: 3553
Amount: 0.001760
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 3927
Amount: 0.001945
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:12:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

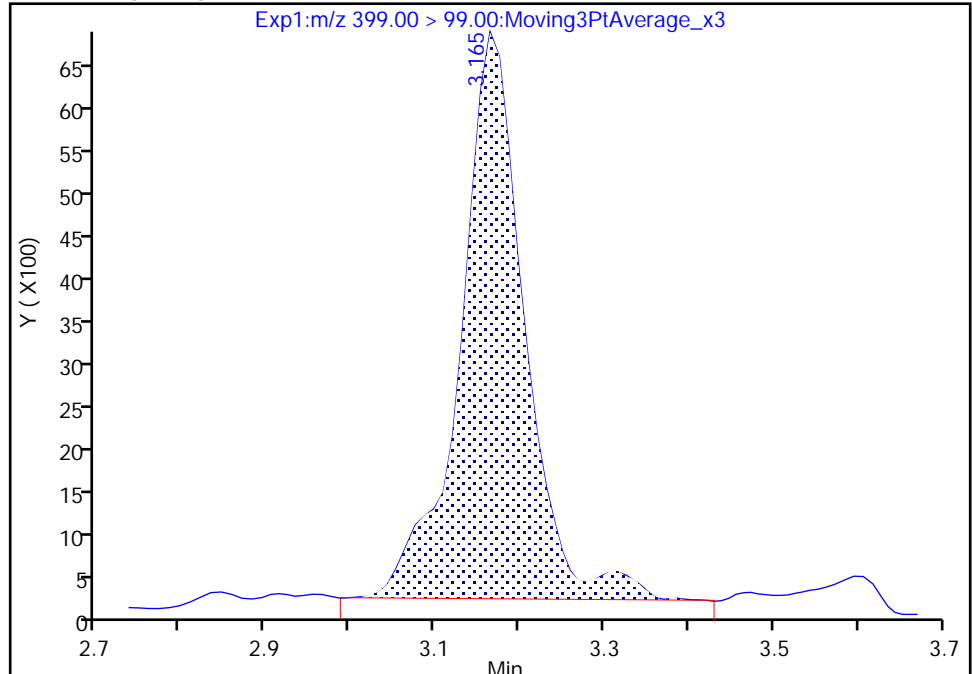
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A24.d
Injection Date: 08-Dec-2022 17:56:41 Instrument ID: LC812
Lims ID: 460-270515-A-1-A Lab Sample ID: 200-270515-1
Client ID: BCS-09-11_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 21 Worklist Smp#: 24
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

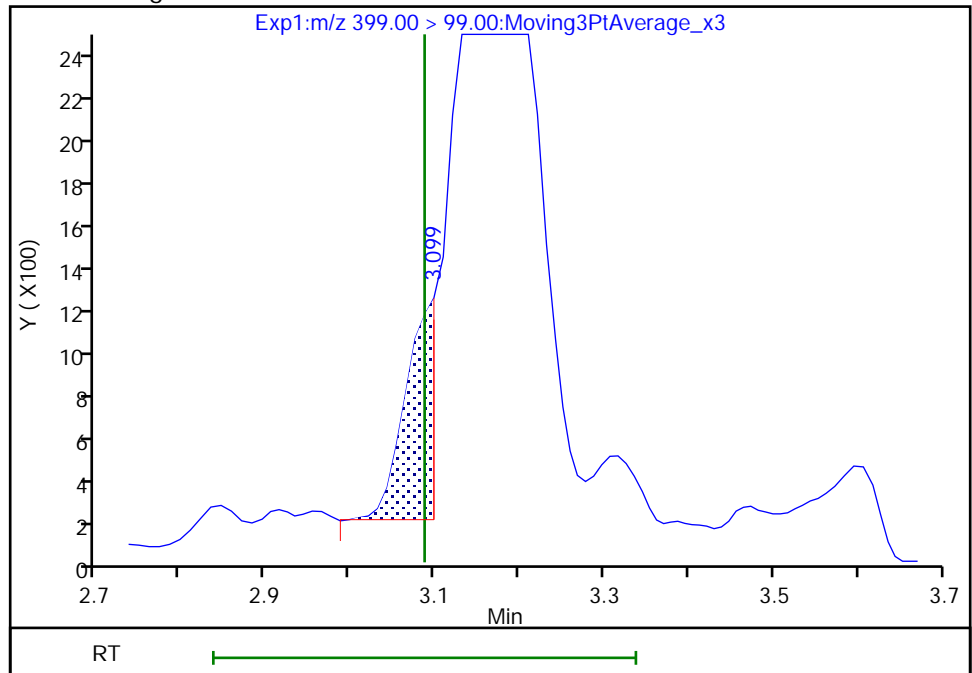
RT: 3.17
Area: 35539
Amount: 0.006679
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 2379
Amount: 0.004704
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:13:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

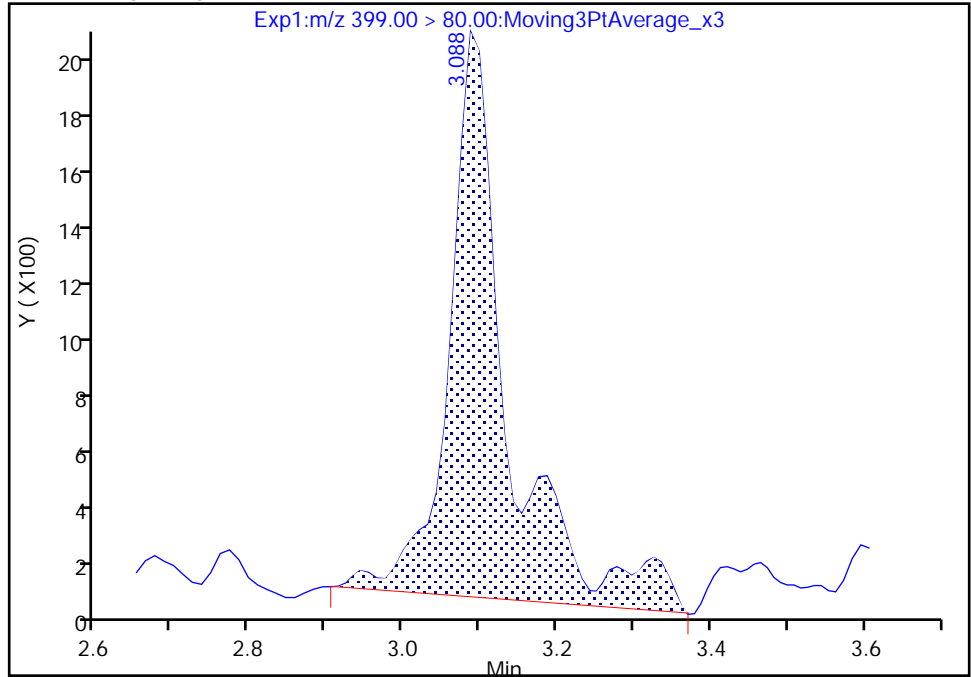
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A24.d
Injection Date: 08-Dec-2022 17:56:41 Instrument ID: LC812
Lims ID: 460-270515-A-1-A Lab Sample ID: 200-270515-1
Client ID: BCS-09-11_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 21 Worklist Smp#: 24
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

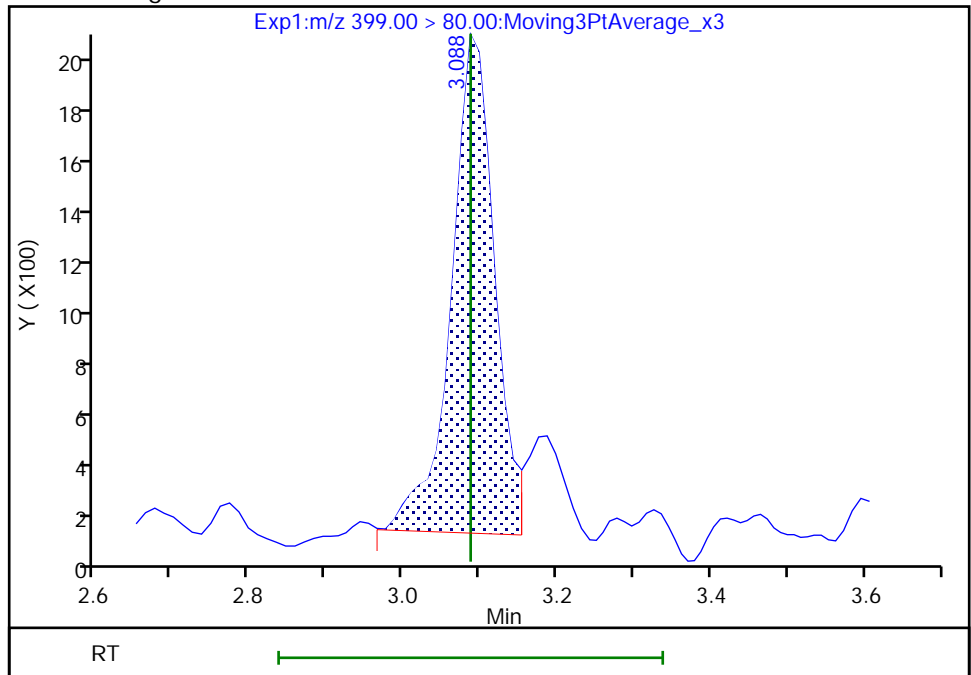
RT: 3.09
Area: 10162
Amount: 0.006679
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 7157
Amount: 0.004704
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 17:13:52

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

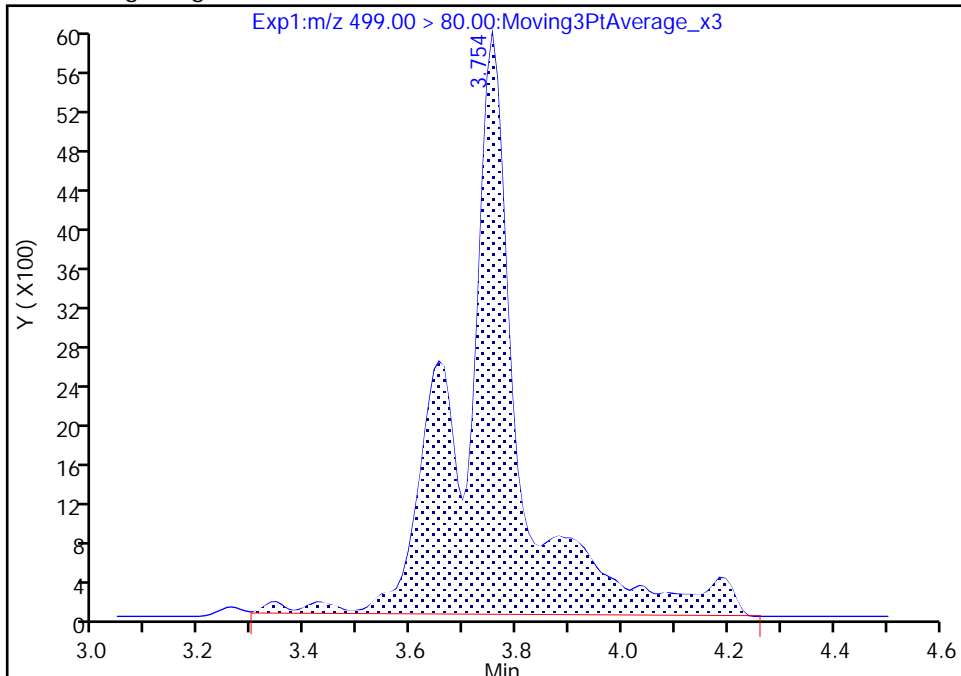
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A24.d
Injection Date: 08-Dec-2022 17:56:41 Instrument ID: LC812
Lims ID: 460-270515-A-1-A Lab Sample ID: 200-270515-1
Client ID: BCS-09-11_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 21 Worklist Smp#: 24
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

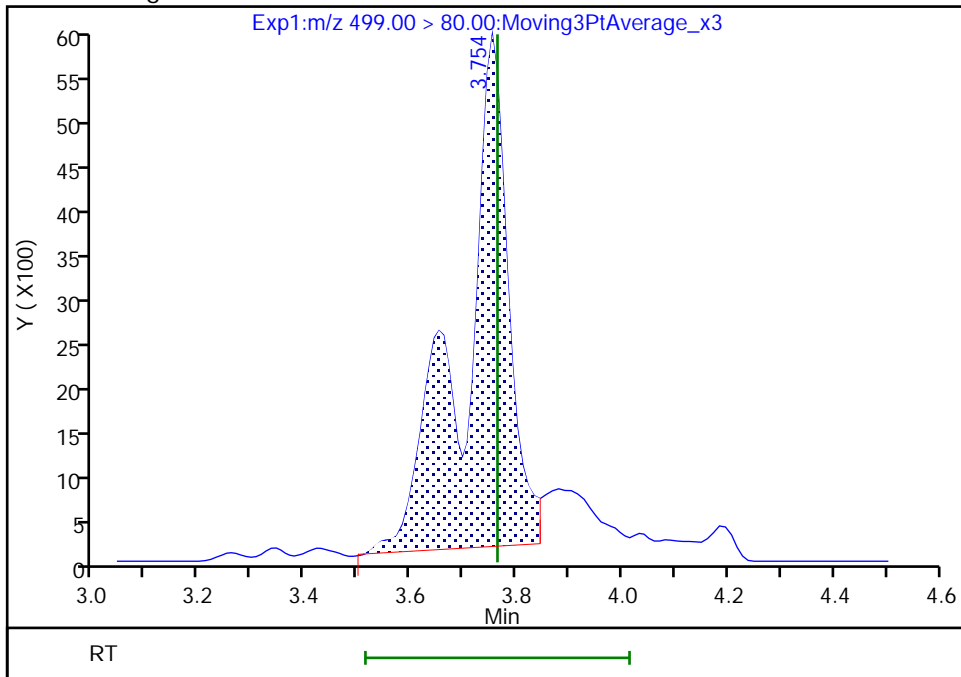
RT: 3.75
Area: 46662
Amount: 0.042579
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 34632
Amount: 0.031602
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:14:25
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

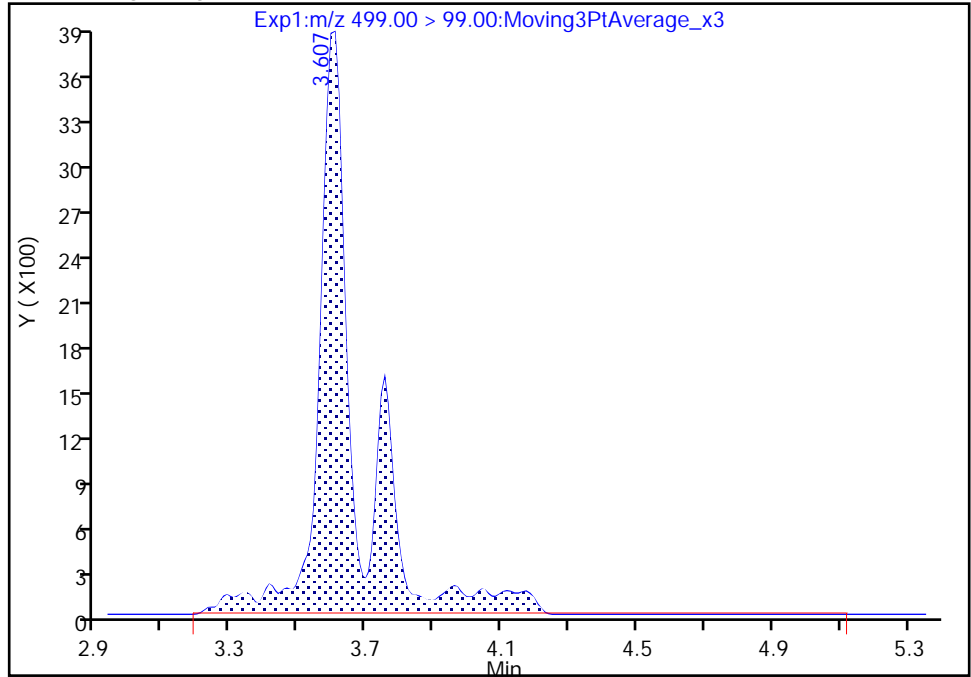
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A24.d
Injection Date: 08-Dec-2022 17:56:41 Instrument ID: LC812
Lims ID: 460-270515-A-1-A Lab Sample ID: 200-270515-1
Client ID: BCS-09-11_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 21 Worklist Smp#: 24
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

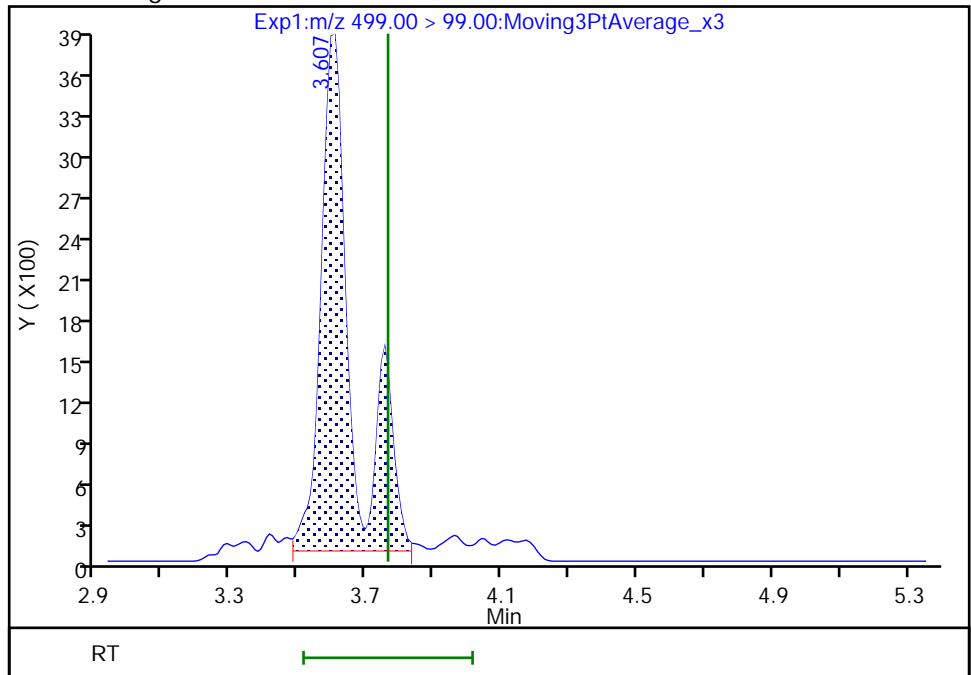
RT: 3.61
Area: 30509
Amount: 0.042579
Amount Units: ng/ml

Processing Integration Results



RT: 3.61
Area: 23828
Amount: 0.031602
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 13-Dec-2022 08:34:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

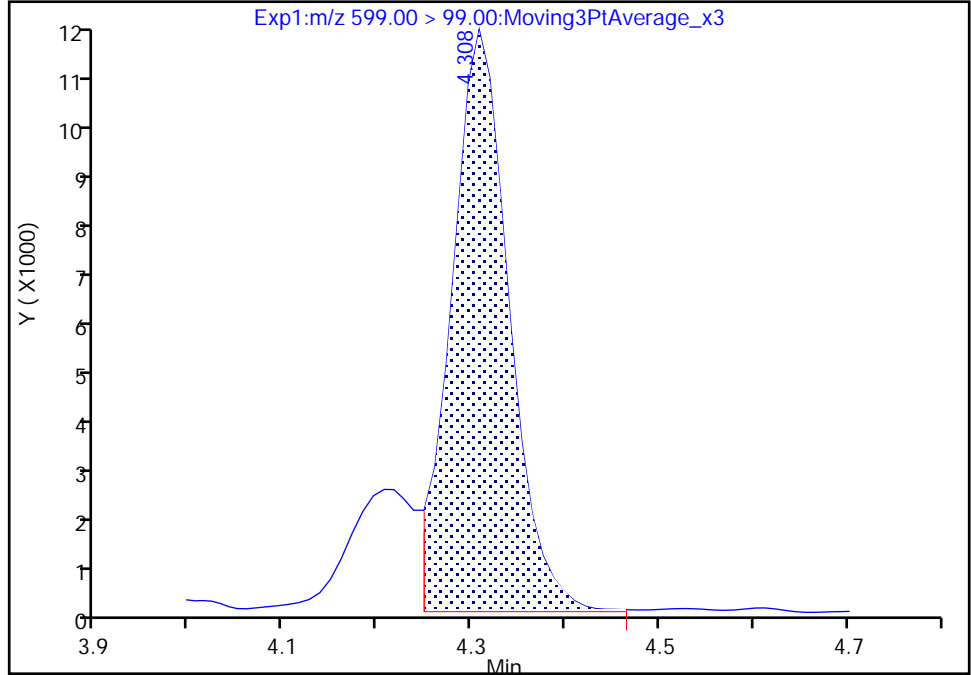
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A24.d
Injection Date: 08-Dec-2022 17:56:41 Instrument ID: LC812
Lims ID: 460-270515-A-1-A Lab Sample ID: 200-270515-1
Client ID: BCS-09-11_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 21 Worklist Smp#: 24
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

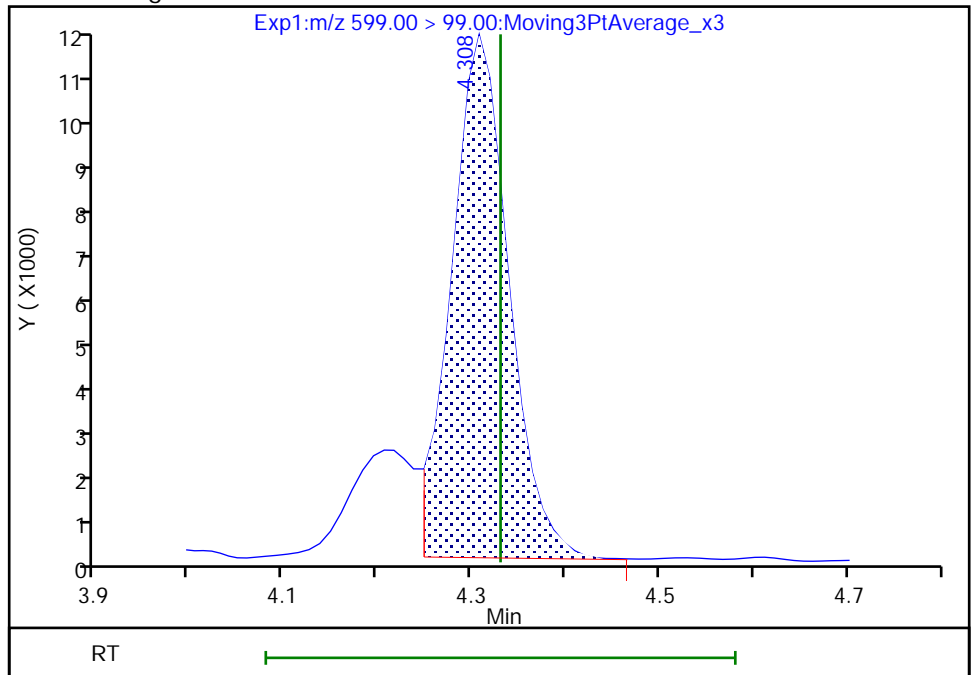
RT: 4.31
Area: 50616
Amount: 0.165215
Amount Units: ng/ml

Processing Integration Results



RT: 4.31
Area: 49832
Amount: 0.162202
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:15:47
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

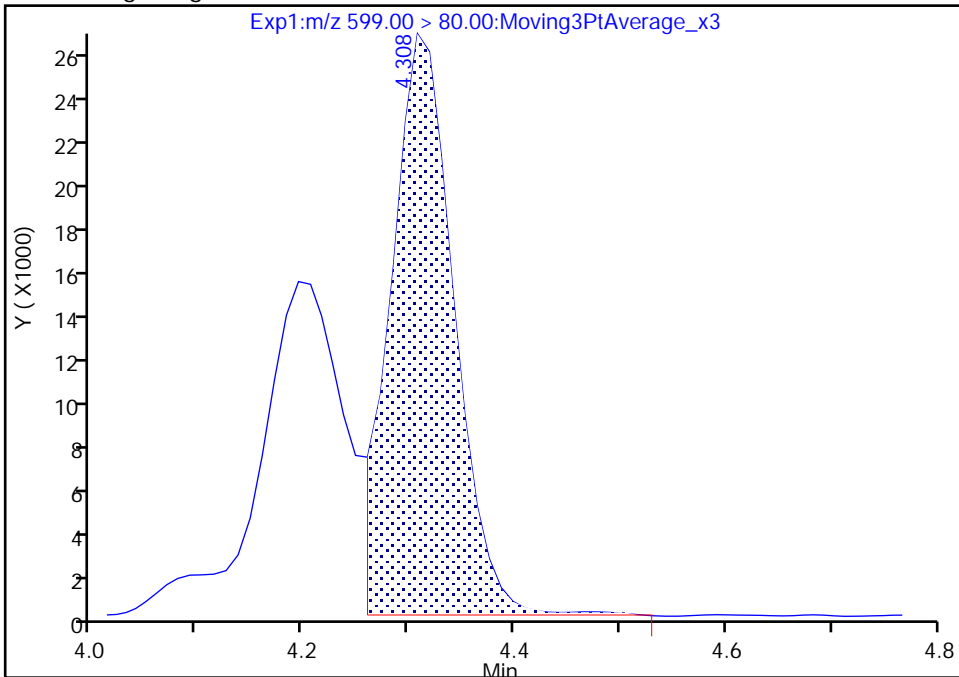
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A24.d
Injection Date: 08-Dec-2022 17:56:41 Instrument ID: LC812
Lims ID: 460-270515-A-1-A Lab Sample ID: 200-270515-1
Client ID: BCS-09-11_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 21 Worklist Smp#: 24
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

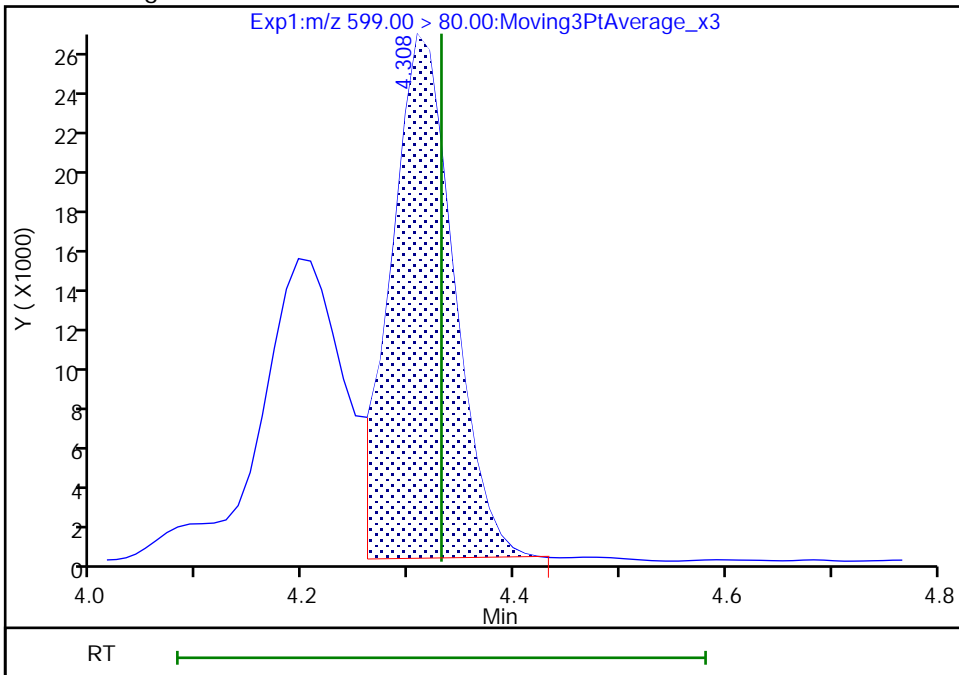
RT: 4.31
Area: 107903
Amount: 0.165215
Amount Units: ng/ml

Processing Integration Results



RT: 4.31
Area: 105935
Amount: 0.162202
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 17:15:48

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

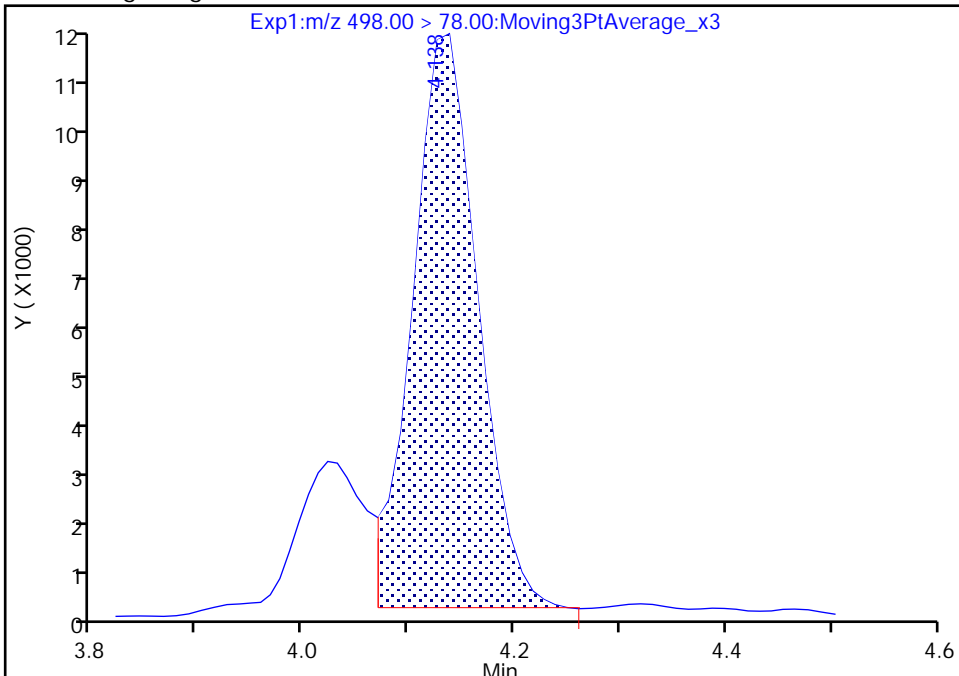
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A24.d
Injection Date: 08-Dec-2022 17:56:41 Instrument ID: LC812
Lims ID: 460-270515-A-1-A Lab Sample ID: 200-270515-1
Client ID: BCS-09-11_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 21 Worklist Smp#: 24
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

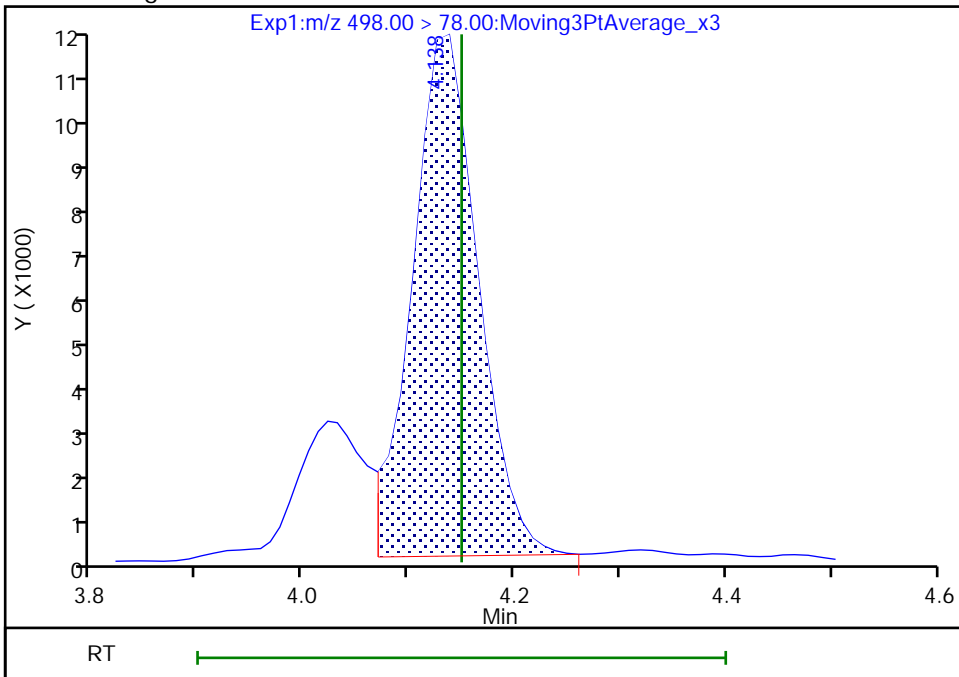
RT: 4.14
Area: 47847
Amount: 0.028241
Amount Units: ng/ml

Processing Integration Results



RT: 4.14
Area: 48491
Amount: 0.028621
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:15:25
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

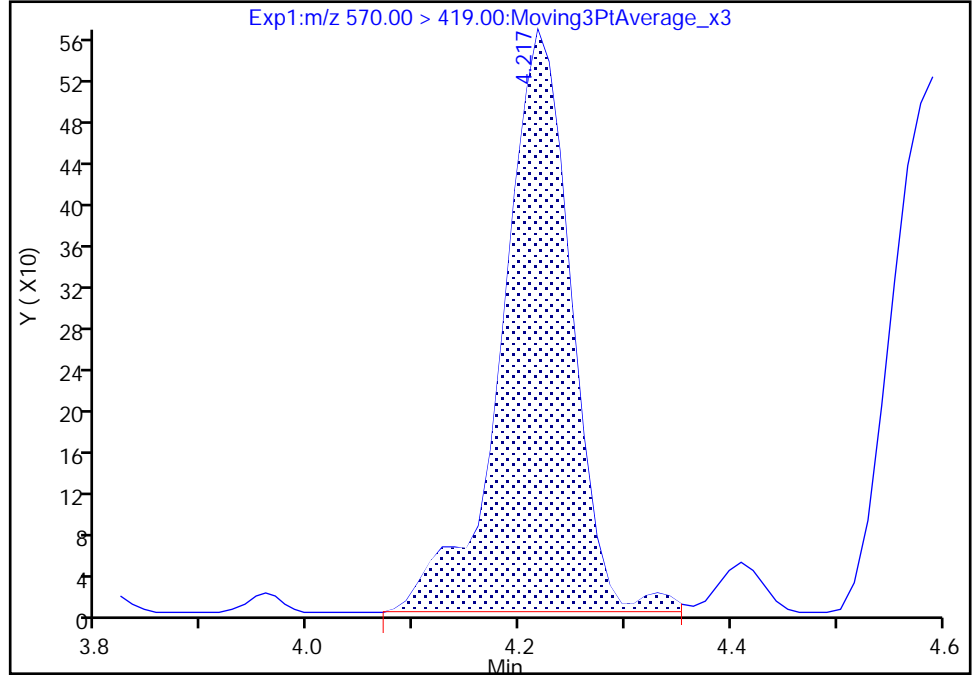
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A24.d
Injection Date: 08-Dec-2022 17:56:41 Instrument ID: LC812
Lims ID: 460-270515-A-1-A Lab Sample ID: 200-270515-1
Client ID: BCS-09-11_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 21 Worklist Smp#: 24
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

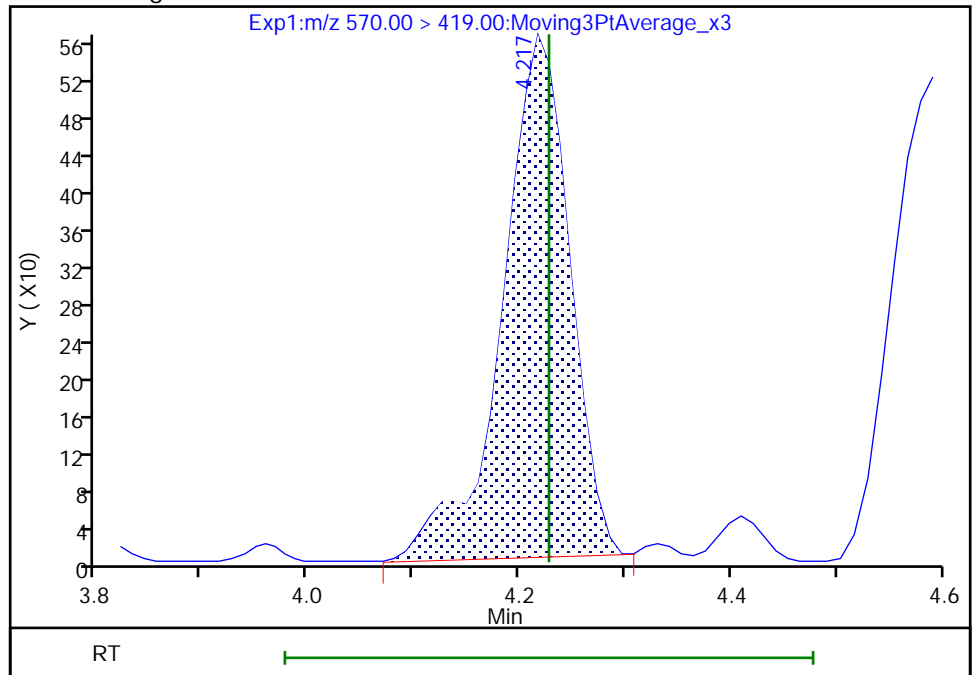
RT: 4.22
Area: 2606
Amount: -0.004588
Amount Units: ng/ml

Processing Integration Results



RT: 4.22
Area: 2509
Amount: -0.004850
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:15:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

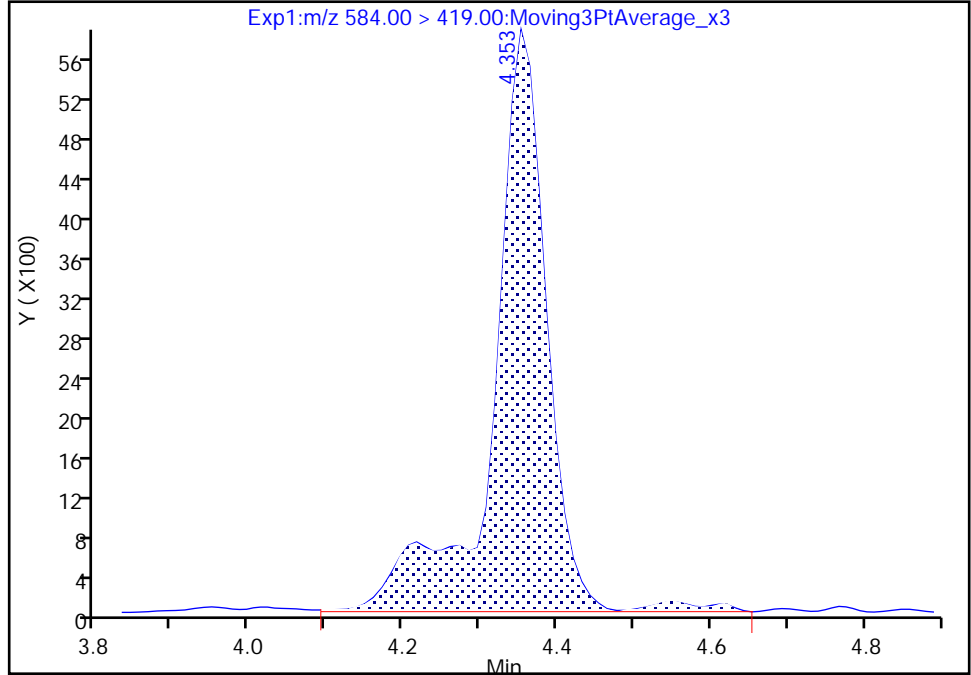
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A24.d
Injection Date: 08-Dec-2022 17:56:41 Instrument ID: LC812
Lims ID: 460-270515-A-1-A Lab Sample ID: 200-270515-1
Client ID: BCS-09-11_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 21 Worklist Smp#: 24
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

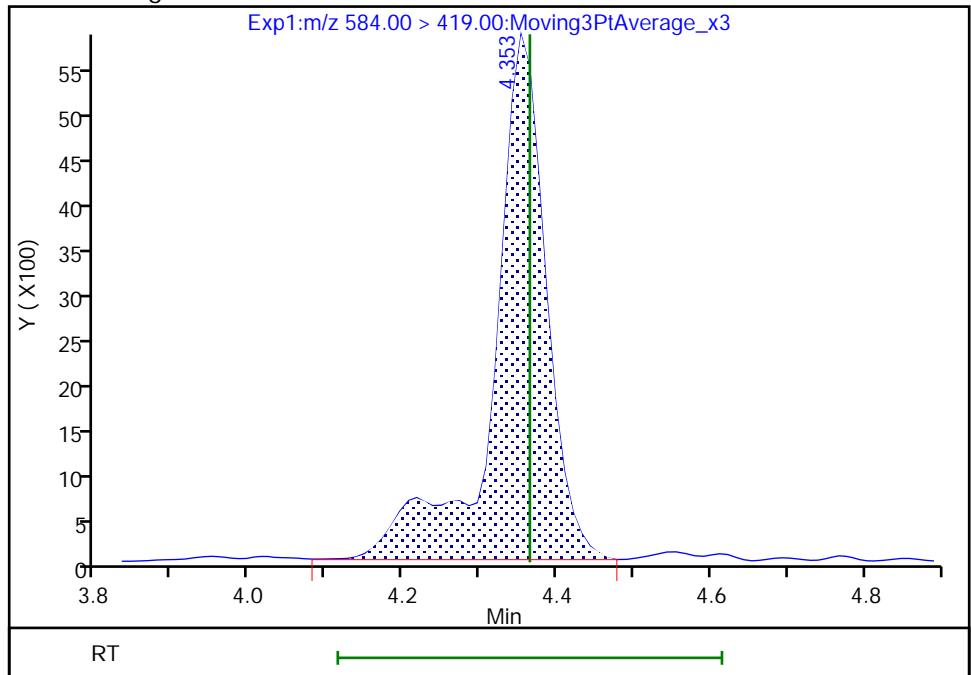
RT: 4.35
Area: 28995
Amount: 0.074455
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 28069
Amount: 0.072077
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:16:29
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

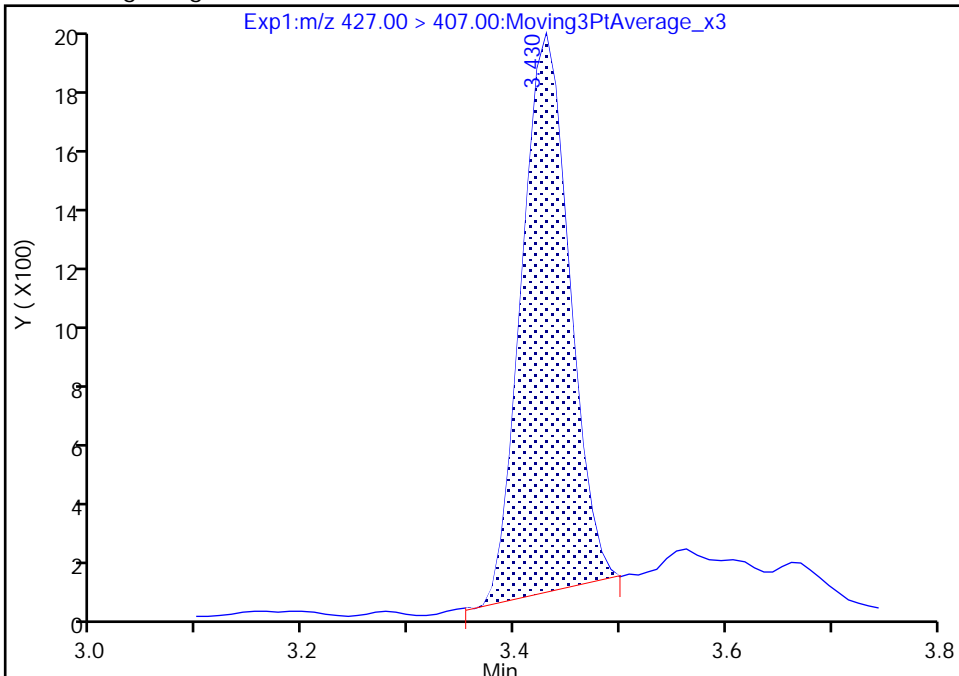
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A24.d
Injection Date: 08-Dec-2022 17:56:41 Instrument ID: LC812
Lims ID: 460-270515-A-1-A Lab Sample ID: 200-270515-1
Client ID: BCS-09-11_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 21 Worklist Smp#: 24
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

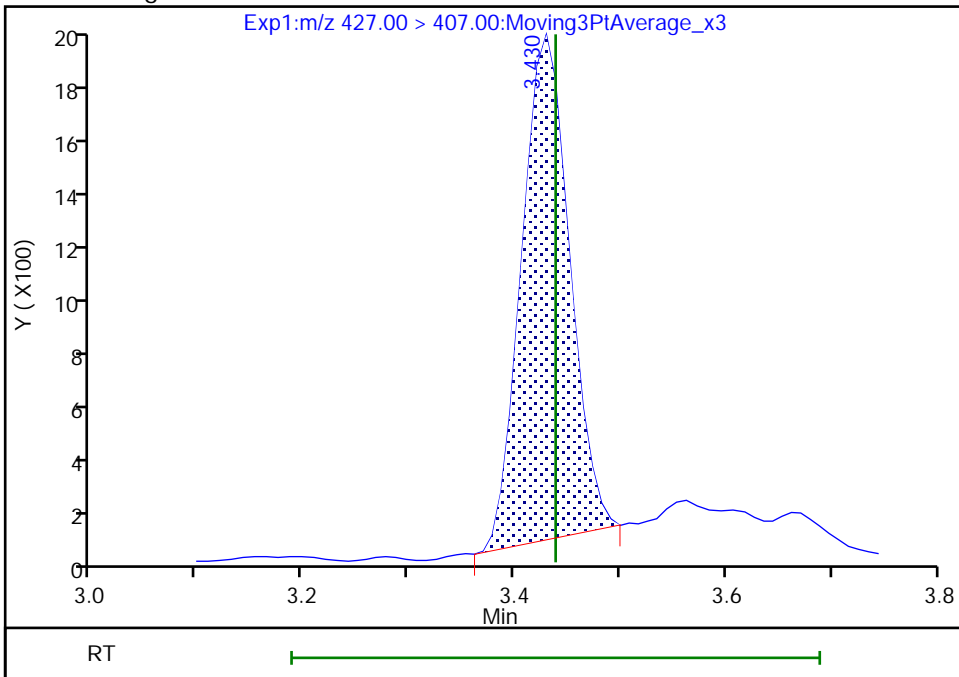
RT: 3.43
Area: 5897
Amount: -0.000279
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 5883
Amount: -0.000306
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:14:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

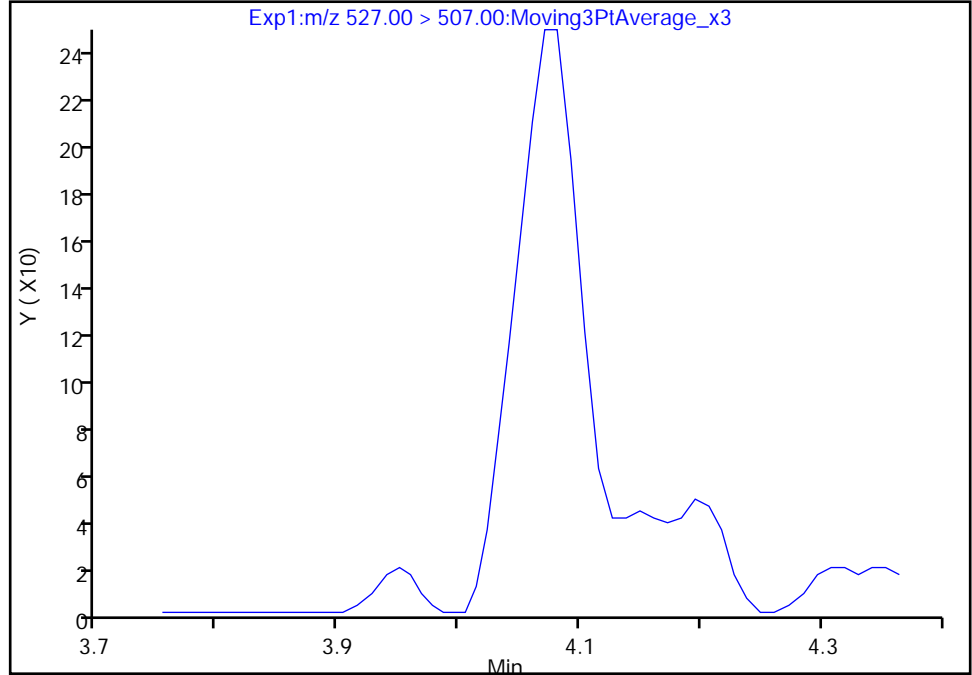
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A24.d
Injection Date: 08-Dec-2022 17:56:41 Instrument ID: LC812
Lims ID: 460-270515-A-1-A Lab Sample ID: 200-270515-1
Client ID: BCS-09-11_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 21 Worklist Smp#: 24
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

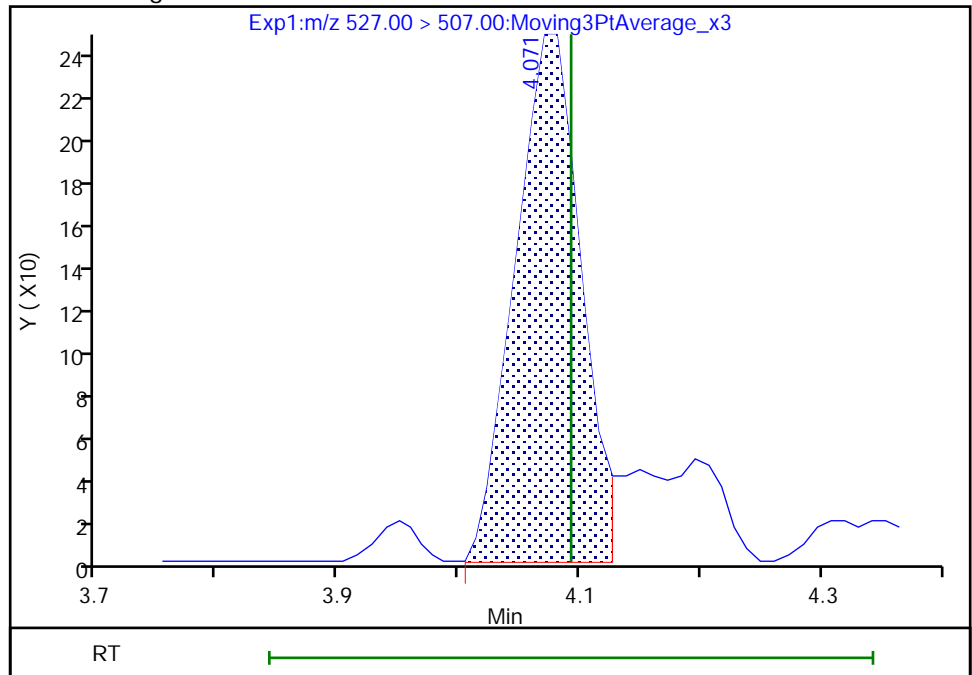
Not Detected
Expected RT: 4.09

Processing Integration Results



Manual Integration Results

RT: 4.07
Area: 928
Amount: 0.001930
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 17:15:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

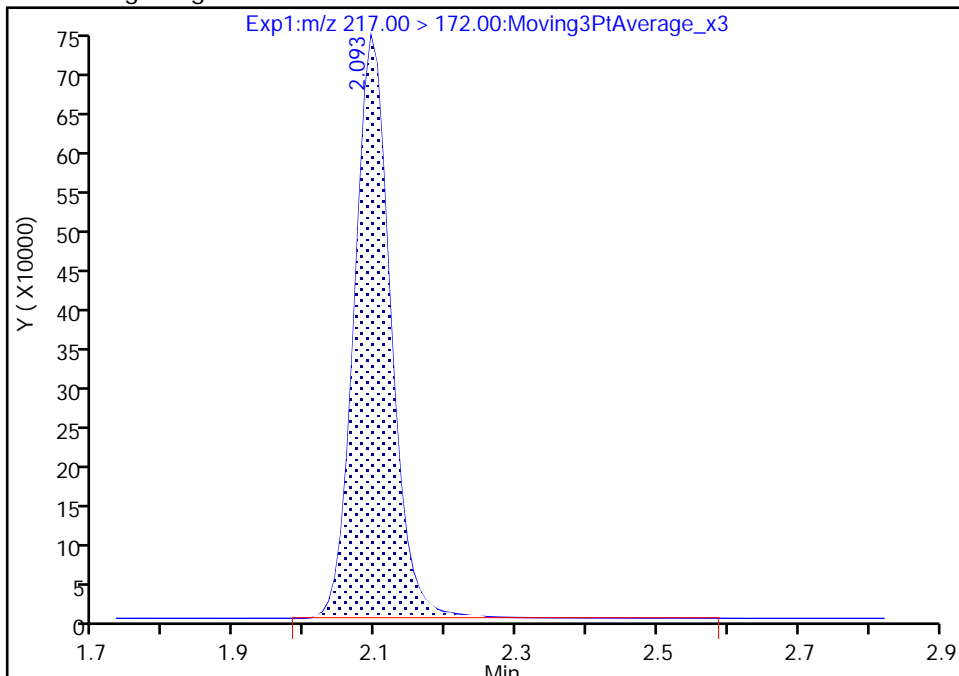
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A24.d
Injection Date: 08-Dec-2022 17:56:41 Instrument ID: LC812
Lims ID: 460-270515-A-1-A Lab Sample ID: 200-270515-1
Client ID: BCS-09-11_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 21 Worklist Smp#: 24
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

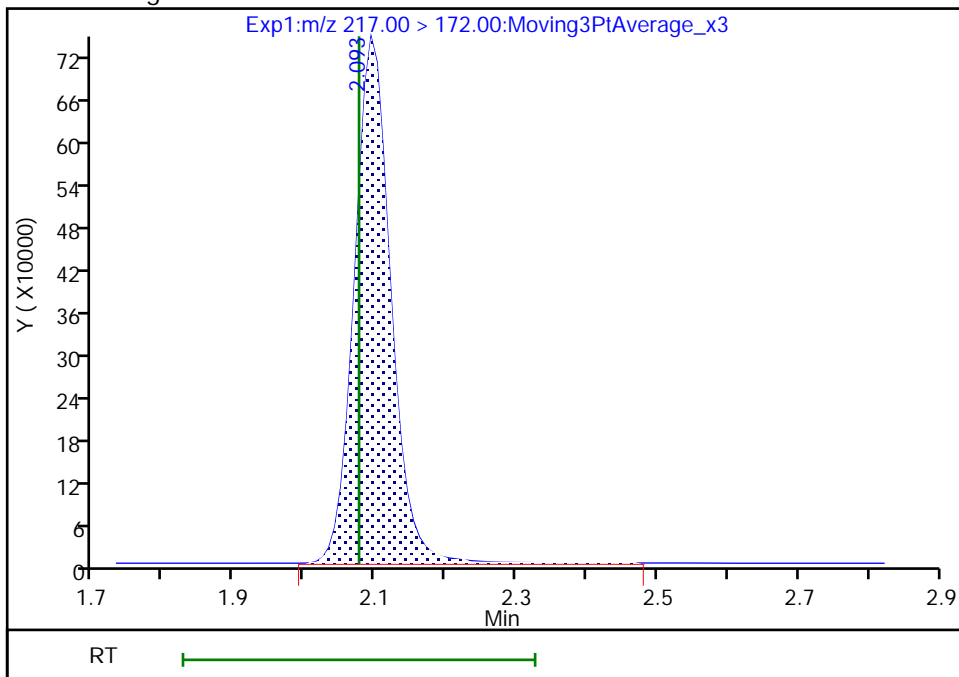
RT: 2.09
Area: 2684701
Amount: 1.139530
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 2680760
Amount: 1.137857
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:11:33
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

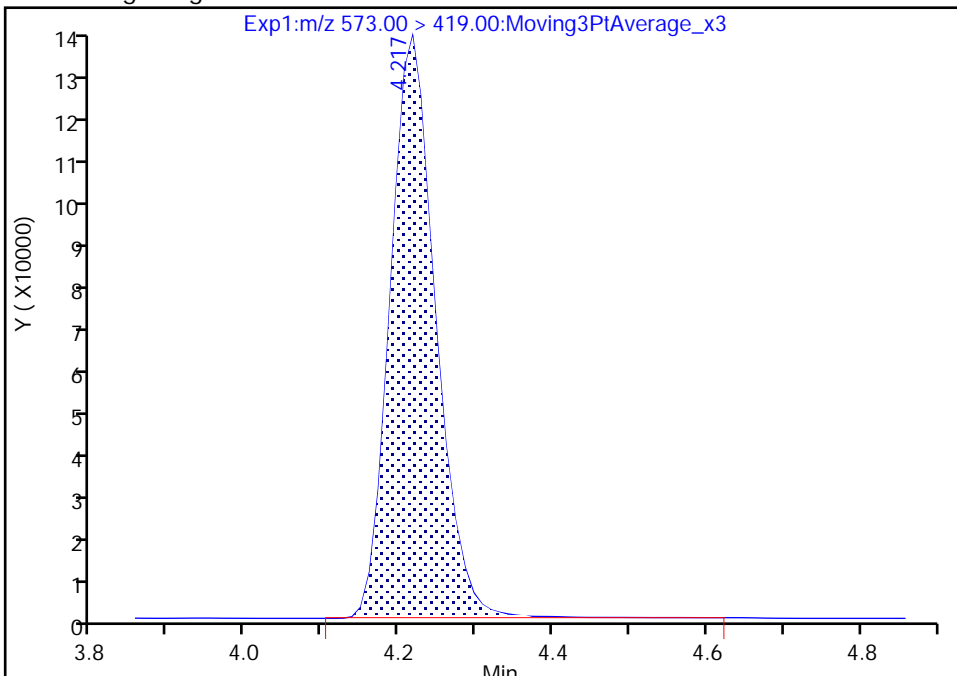
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A24.d
Injection Date: 08-Dec-2022 17:56:41 Instrument ID: LC812
Lims ID: 460-270515-A-1-A Lab Sample ID: 200-270515-1
Client ID: BCS-09-11_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 21 Worklist Smp#: 24
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

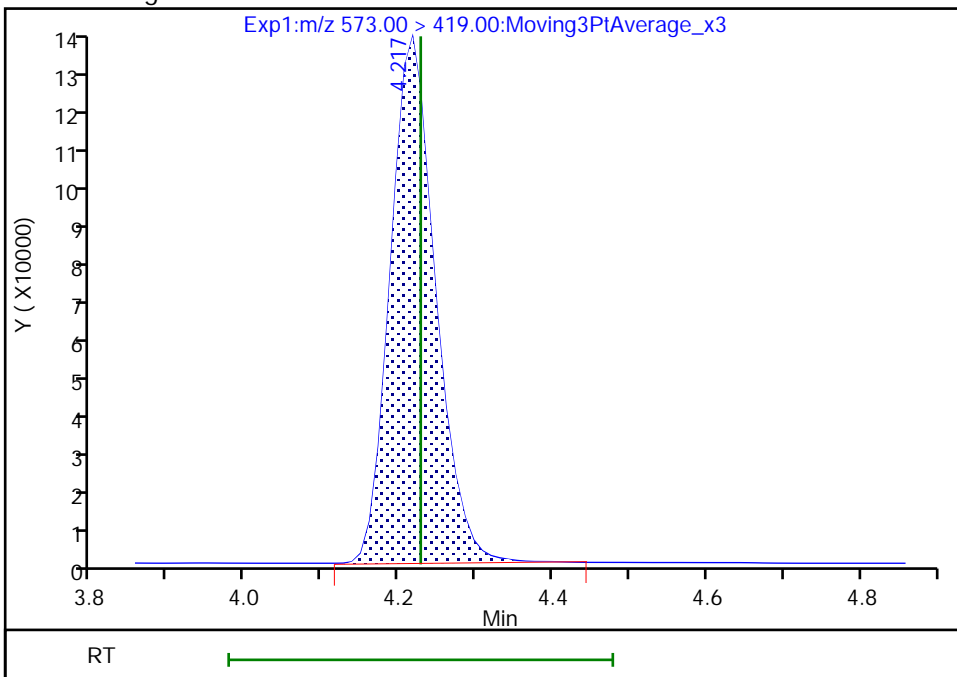
RT: 4.22
Area: 539711
Amount: 1.231312
Amount Units: ng/ml

Processing Integration Results



RT: 4.22
Area: 537995
Amount: 1.227397
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:11:58
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

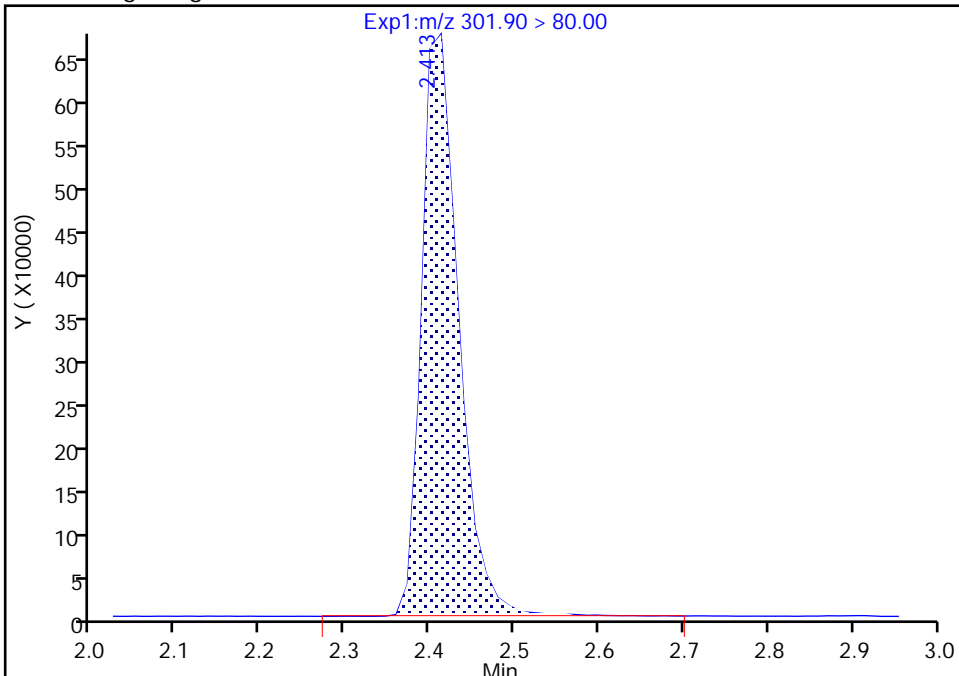
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A24.d
Injection Date: 08-Dec-2022 17:56:41 Instrument ID: LC812
Lims ID: 460-270515-A-1-A Lab Sample ID: 200-270515-1
Client ID: BCS-09-11_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 21 Worklist Smp#: 24
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

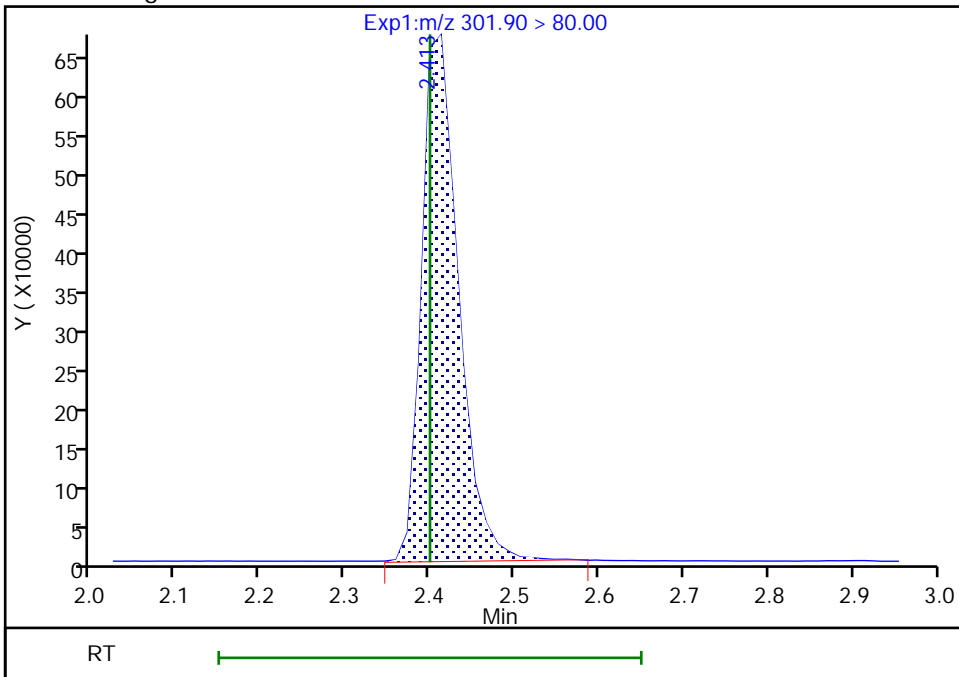
RT: 2.41
Area: 2062563
Amount: 1.058036
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 2051015
Amount: 1.052112
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:11:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Client Sample ID: BCS-09-12_(5-5.5)P Lab Sample ID: 460-270515-2
 Matrix: Solid Lab File ID: PA221208A25.d
 Analysis Method: 537 (modified) Date Collected: 12/01/2022 12:11
 Extraction Method: SHAKE Date Extracted: 12/07/2022 08:59
 Sample wt/vol: 5.11(g) Date Analyzed: 12/08/2022 18:04
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: 18.3 % Solids: 81.7 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186513 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.60	U	0.60	0.40
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.24	U	0.24	0.066
307-24-4	Perfluorohexanoic acid (PFHxA)	0.055	J	0.24	0.055
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.24	U	0.24	0.047
335-67-1	Perfluorooctanoic acid (PFOA)	0.24	U	0.24	0.069
375-95-1	Perfluorononanoic acid (PFNA)	0.24	U	0.24	0.041
335-76-2	Perfluorodecanoic acid (PFDA)	0.24	U	0.24	0.034
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.24	U	0.24	0.032
307-55-1	Perfluorododecanoic acid (PFDoA)	0.24	U	0.24	0.030
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.24	U	0.24	0.030
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.24	U	0.24	0.031
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.24	U	0.24	0.040
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.24	U	0.24	0.049
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.24	U	0.24	0.028
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.24	U	0.24	0.13
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.059	J	0.24	0.023
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.24	U	0.24	0.041
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.39	U	2.39	0.13
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.39	U	2.39	0.099
27619-97-2	6:2 FTS	2.39	U	2.39	0.068
39108-34-4	8:2 FTS	2.39	U	2.39	0.044

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Client Sample ID: BCS-09-12_(5-5.5)P Lab Sample ID: 460-270515-2
 Matrix: Solid Lab File ID: PA221208A25.d
 Analysis Method: 537 (modified) Date Collected: 12/01/2022 12:11
 Extraction Method: SHAKE Date Extracted: 12/07/2022 08:59
 Sample wt/vol: 5.11(g) Date Analyzed: 12/08/2022 18:04
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: 18.3 % Solids: 81.7 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186513 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	90		50-150
STL01892	13C4 PFHpA	93		50-150
STL00990	13C4 PFOA	93		50-150
STL00991	13C4 PFOS	90		50-150
STL00995	13C5 PFNA	93		50-150
STL00992	13C4 PFBA	86		50-150
STL00993	13C2 PFHxA	91		50-150
STL00996	13C2 PFDA	99		50-150
STL00997	13C2 PFUnA	95		50-150
STL00998	13C2 PFDoA	89		50-150
STL01056	13C8 FOSA	80		50-150
STL01893	13C5 PFPeA	84		50-150
STL02116	13C2 PFTeDA	86		50-150
STL02118	d3-NMeFOSAA	89		50-150
STL02117	d5-NEtFOSAA	88		50-150
STL02279	M2-6:2 FTS	88		50-150
STL02280	M2-8:2 FTS	95		50-150
STL02337	13C3 PFBS	86		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A25.d
 Lims ID: 460-270515-A-2-A
 Client ID: BCS-09-12_(5-5.5)P
 Sample Type: Client
 Inject. Date: 08-Dec-2022 18:04:53 ALS Bottle#: 22 Worklist Smp#: 25
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 460-270515-A-2-A
 Misc. Info.: 200-0053607-025 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 13-Dec-2022 09:03:28 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1634

First Level Reviewer: nampitakw Date: 09-Dec-2022 17:28:00
 Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA	217.00 > 172.00	2.085	2.076	0.009	0.606	2496095	1.08	86.3	8191	M
2 Perfluorobutanoic acid	212.90 > 169.00	2.093	2.076	0.017	1.004	71466	0.0347		5.8	M
D 3 13C5 PFPeA	267.90 > 223.00	2.386	2.387	-0.001	0.694	1844806	1.05	83.8	3356	
4 Perfluoropentanoic acid	262.90 > 219.00	2.386	2.387	-0.001	1.000	37256	0.0232		0.8	M
D 47 13C3 PFBS	301.90 > 80.00	2.400	2.400	0.0	0.698	1918360	1.00	86.2	164568	M
5 Perfluorobutanesulfonic acid	298.90 > 80.00	2.413	2.400	0.013	1.006	3819	0.002023	Target=2.09	3.0	M
	298.90 > 99.00	2.413	2.400	0.013	1.006	1411		2.71(1.04-3.13)	0.5	M
D 7 13C2 PFHxA	315.00 > 270.00	2.725	2.725	0.0	0.793	2106870	1.14	91.3	4604	
6 Perfluorohexanoic acid	313.00 > 269.00	2.725	2.725	0.0	1.000	41891	0.0228	Target=14.25	6.5	M
	313.00 > 119.00	2.737	2.725	0.012	1.004	3985		10.51(7.12-21.37)	6.1	M
D 11 18O2 PFHxS	403.00 > 84.00	3.087	3.088	-0.001	0.898	1475977	1.06	89.5	4025	
8 Perfluorohexanesulfonic acid	399.00 > 80.00	3.076	3.088	-0.012	0.996	6130	0.004351	Target=3.66	10.8	M
	399.00 > 99.00	3.098	3.088	0.010	1.004	2734		2.24(1.83-5.49)	2.1	M
D 9 13C4 PFHpA	367.00 > 322.00	3.087	3.099	-0.012	0.898	2213468	1.17	93.3	3617	
10 Perfluoroheptanoic acid	363.00 > 319.00	3.087	3.099	-0.012	1.000	18366	0.009526	Target=3.97	2.8	M
	363.00 > 169.00	3.087	3.099	-0.012	1.000	3867		4.75(1.98-5.95)	9.4	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.429	3.439	-0.010	0.997	244313	1.05		88.0	349	M
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.429	3.439	-0.010	1.000	2741	-0.005566		14.4		
D 14 13C4 PFOA										
417.00 > 372.00	3.438	3.448	-0.010	1.000	2485794	1.16		93.2	4391	
* 62 13C2 PFOA										M
415.00 > 370.00	3.438	3.448	-0.010		2577052	1.25		4752		M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.438	3.448	-0.010	1.000	50518	0.0238	Target=2.79	3.4		M
413.00 > 169.00	3.438	3.448	-0.010	1.000	19761		2.56(1.40-4.19)	33.3		M
D 18 13C4 PFOS										
503.00 > 80.00	3.753	3.764	-0.011	1.092	1012050	1.07		89.5	2616	
17 Perfluorooctanesulfonic acid										RM
499.00 > 80.00	3.753	3.764	-0.011	1.000	22201	0.0216	Target=5.11	20.6		RM
499.00 > 99.00	3.583	3.764	-0.181	0.955	13363		1.66(2.55-7.66)	14.4		M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.782	3.783	-0.001	1.003	8780	0.004399	Target=8.55	1.6		M
463.00 > 169.00	3.763	3.783	-0.020	0.997	1160		7.57(4.28-12.83)	7.6		M
D 19 13C5 PFNA										M
468.00 > 423.00	3.772	3.783	-0.011	1.097	2404794	1.16		92.8	2992	M
D 23 13C2 PFDA										
515.00 > 470.00	4.071	4.081	-0.010	1.184	2627038	1.24		99.5	5776	
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.071	4.081	-0.010	1.000	13979	0.006133	Target=10.26	4.5		M
513.00 > 169.00	4.061	4.081	-0.020	0.997	1974		7.08(5.13-15.38)	5.6		M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.081	4.093	-0.012	1.187	324329	1.13		94.7	1029	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.093	4.093	0.0	1.003	372	0.000849		6.9		M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.138	4.150	-0.012	1.000	2490	0.001718		7.5		M
D 21 13C8 FOSA										
506.00 > 78.00	4.138	4.150	-0.012	1.204	1734206	1.00		80.1	2907	
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.217	4.228	-0.011	1.227	478158	1.11		88.9	2016	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.217	4.228	-0.011	1.000	281	-0.0108		1.2		M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.308	4.331	-0.023	1.148	15065	0.0245	Target=2.51	18.3		
599.00 > 99.00	4.308	4.331	-0.023	1.148	6438		2.34(1.25-3.76)	14.9		M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.342	4.353	-0.011	1.263	2303036	1.19		95.2	5810	M
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.342	4.353	-0.011	1.000	3429	0.001847	Target=9.88	1.3		M
563.00 > 169.00	4.342	4.353	-0.011	1.000	397		8.64(4.94-14.82)	5.2		M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.353	4.365	-0.012	1.000	4297	0.0129			37.7	M
D 32 d5-NEtFOSAA										M
589.00 > 419.00	4.353	4.365	-0.012	1.266	464904	1.10		87.8	911	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.580	4.591	-0.011	1.000	6977	0.003733	Target=7.77		0.8	
613.00 > 169.00	4.580	4.591	-0.011	1.000	1290		5.41(3.89-11.66)		19.5	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.580	4.591	-0.011	1.332	2205289	1.12		89.5	6249	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.012	5.012	0.0	1.004	508	0.002537	Target=0.89		7.4	M
713.00 > 219.00	4.982	5.012	-0.030	0.998	560		0.91(0.44-1.33)		7.7	M
D 43 13C2 PFTeDA										
715.00 > 670.00	4.992	5.012	-0.020	1.452	1828361	1.07		85.8	5587	

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromf\Burlington\ChromData\LC812\20221208-53607.b\PA221208A25.d

Injection Date: 08-Dec-2022 18:04:53

Instrument ID: LC812

Lims ID: 460-270515-A-2-A

Lab Sample ID: 200-270515-2

Client ID: BCS-09-12_(5-5.5)P

Operator ID: lc812tech

ALS Bottle#: 22

Worklist Smp#: 25

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

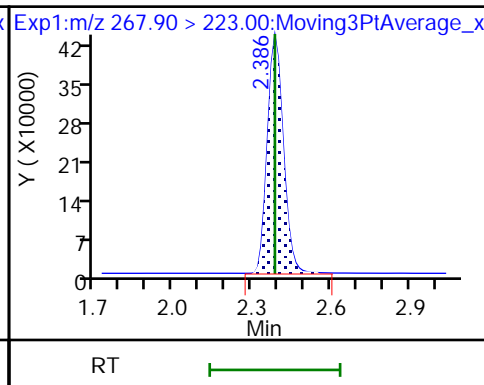
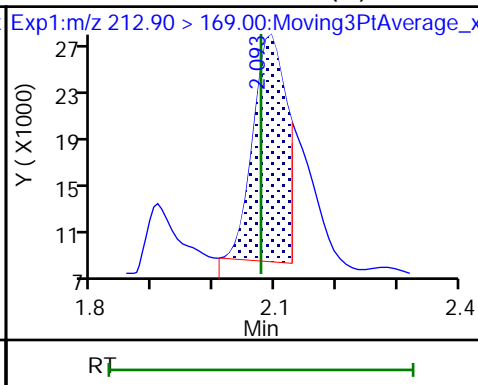
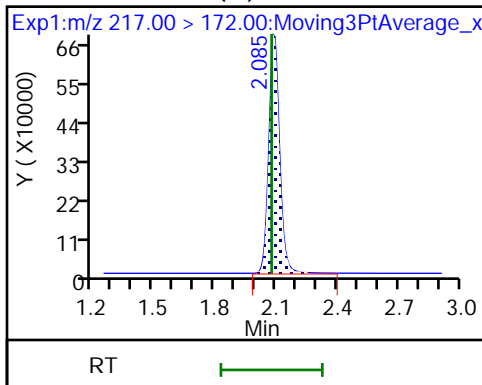
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA (M)

2 Perfluorobutanoic acid (M)

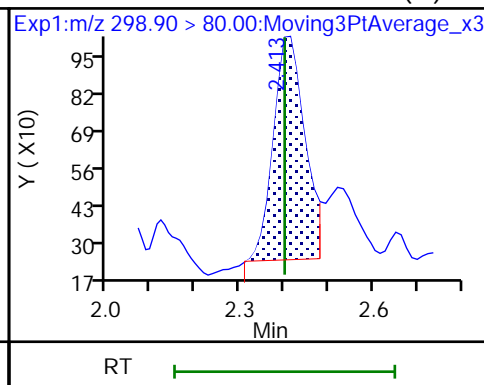
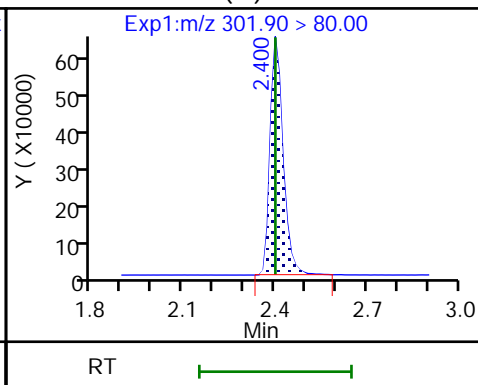
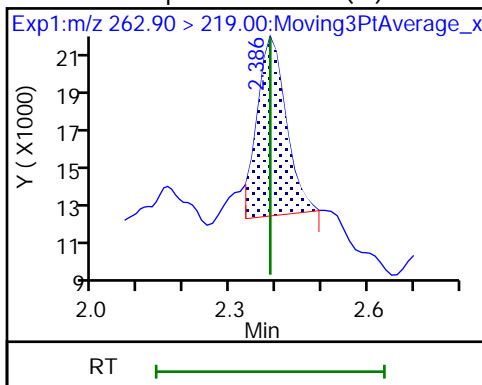
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS (M)

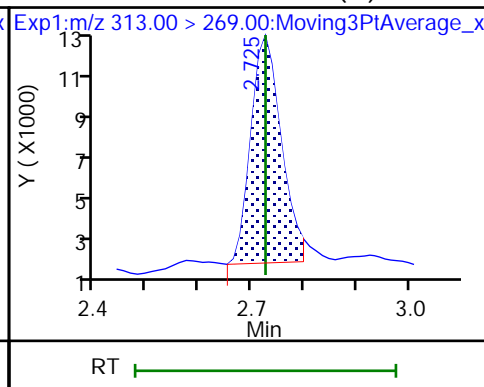
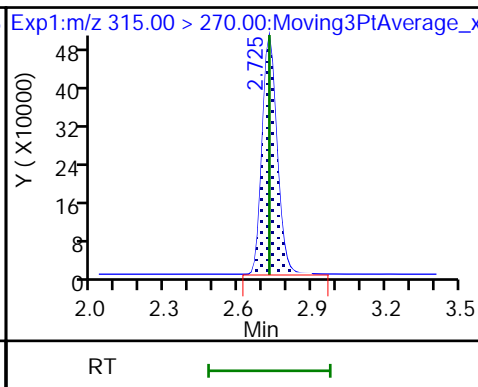
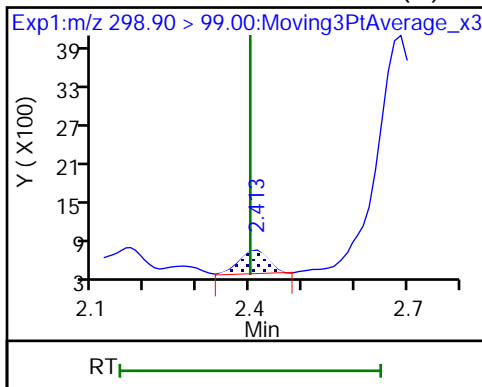
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

D 7 13C2 PFHxA

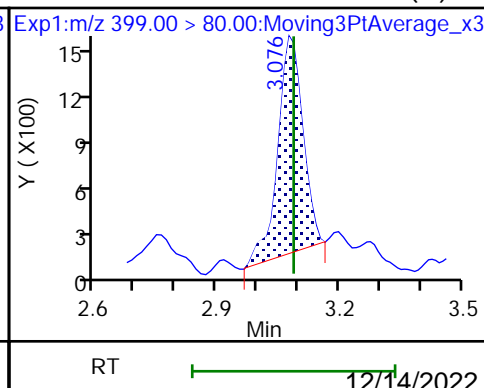
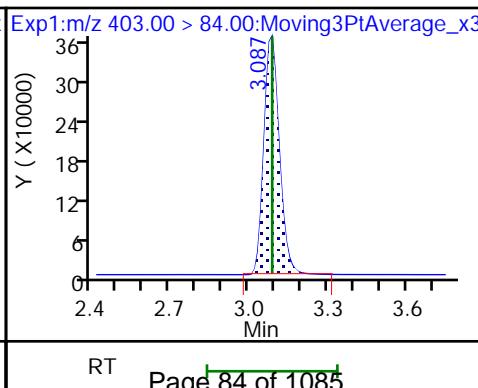
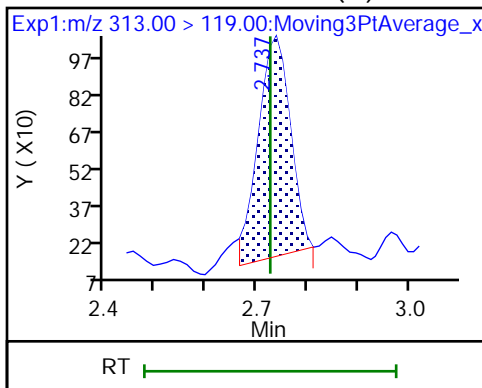
6 Perfluorohexanoic acid (M)



6 Perfluorohexanoic acid (M)

D 11 18O2 PFHxS

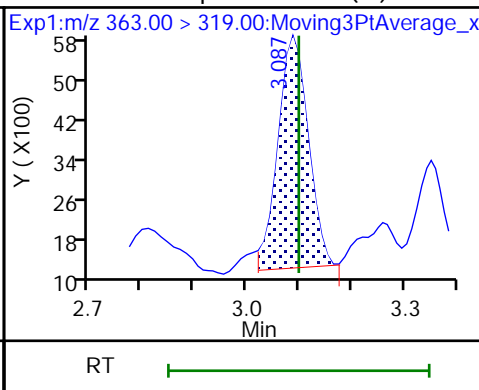
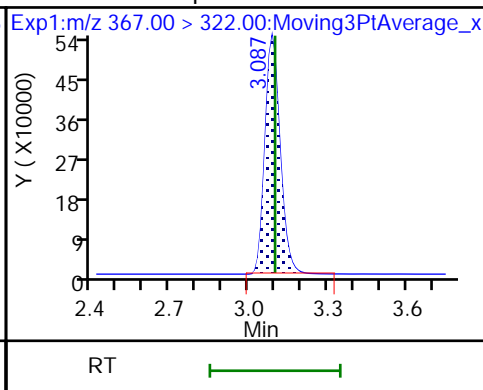
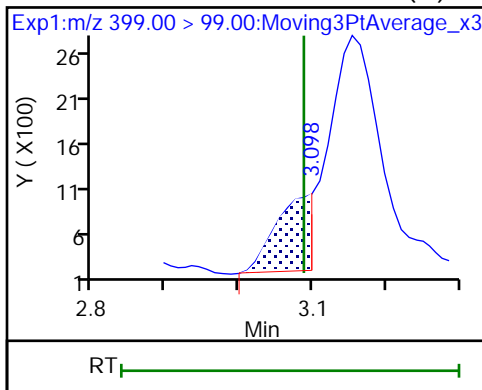
8 Perfluorohexanesulfonic acid (M)



8 Perfluorohexanesulfonic acid (M)

D 9 13C4 PFHpA

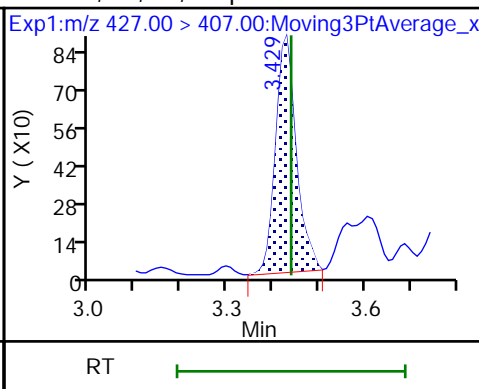
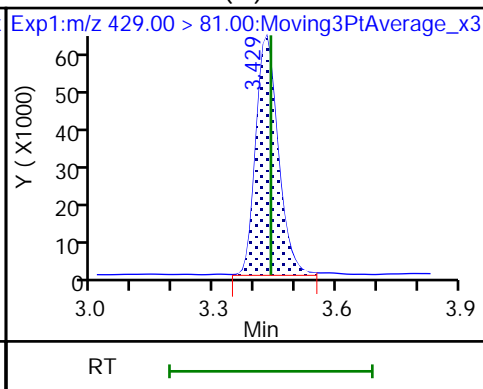
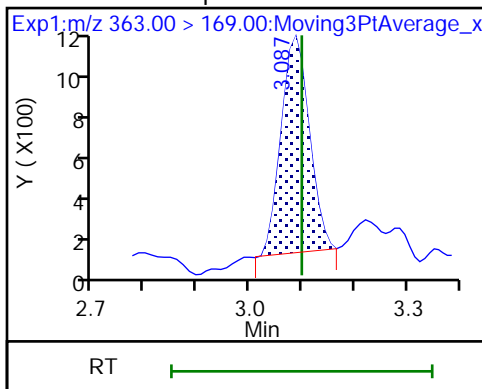
10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid

D 12 M2-6:2 FTS (M)

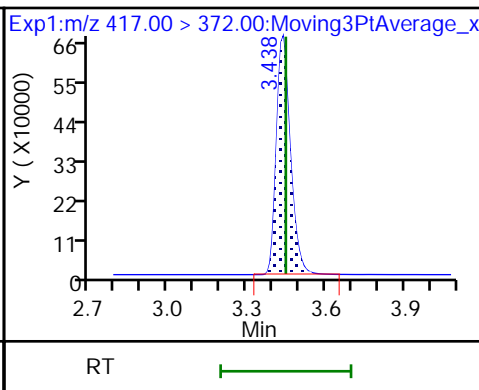
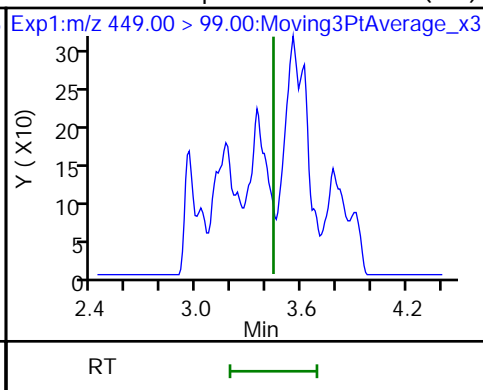
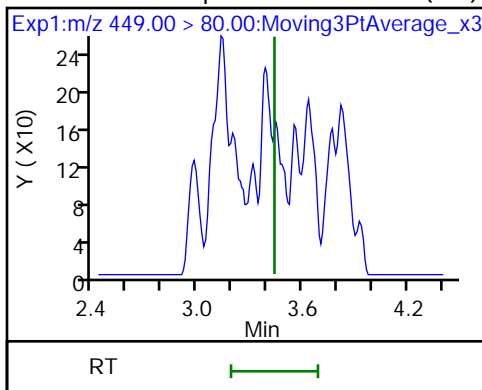
13 1H,1H,2H,2H-perfluorooctanesulfo



16 Perfluoroheptanesulfonic acid (ND)

16 Perfluoroheptanesulfonic acid (ND)

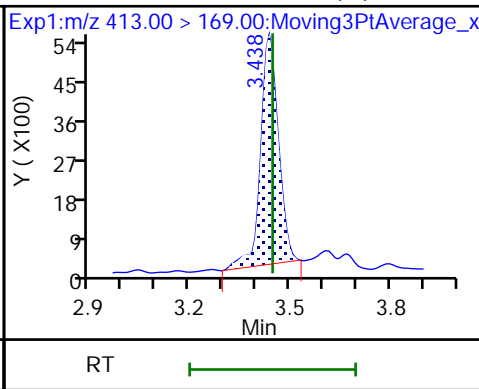
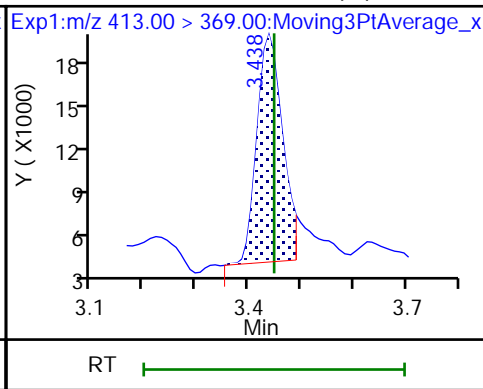
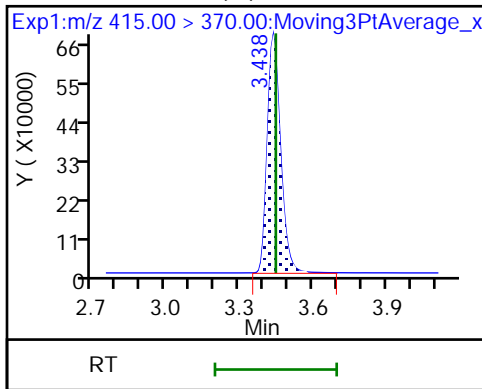
D 14 13C4 PFOA



* 62 13C2 PFOA (M)

15 Perfluorooctanoic acid (M)

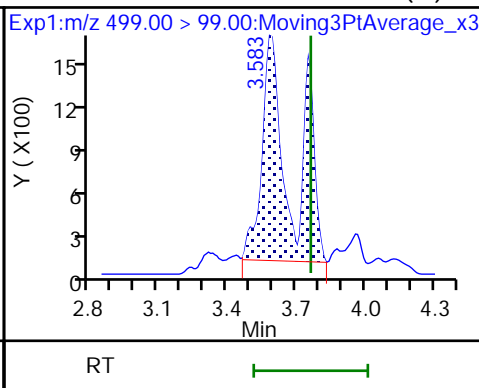
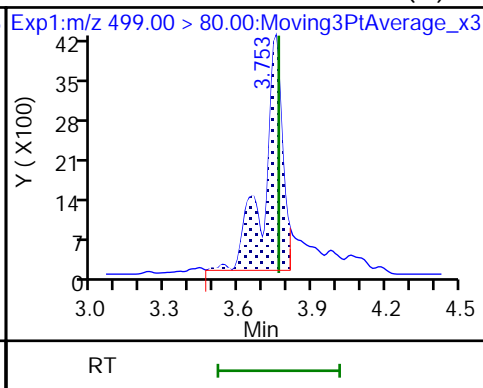
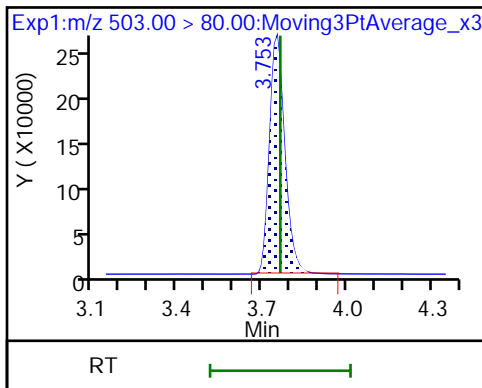
15 Perfluorooctanoic acid (M)



D 18 13C4 PFOS

17 Perfluorooctanesulfonic acid (M)

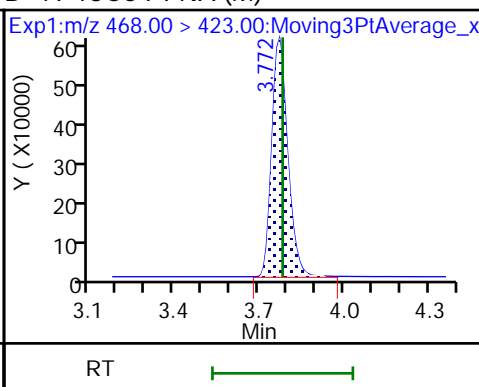
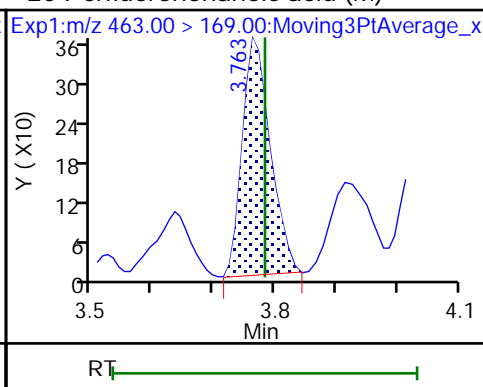
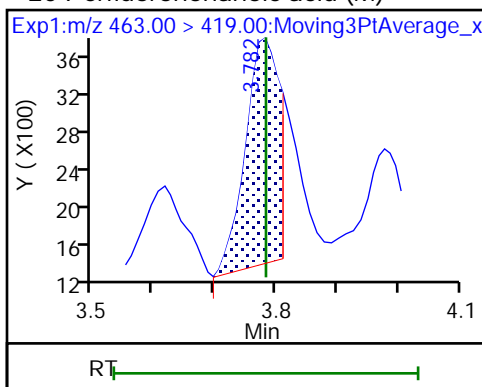
17 Perfluorooctanesulfonic acid (M)



20 Perfluorononanoic acid (M)

20 Perfluorononanoic acid (M)

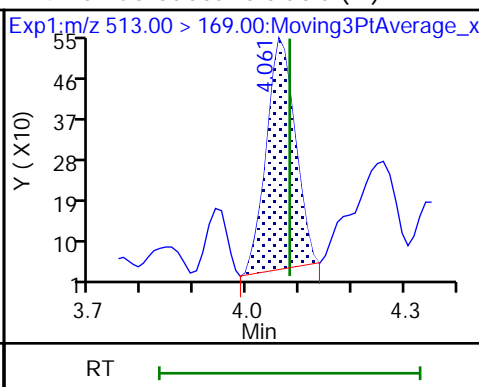
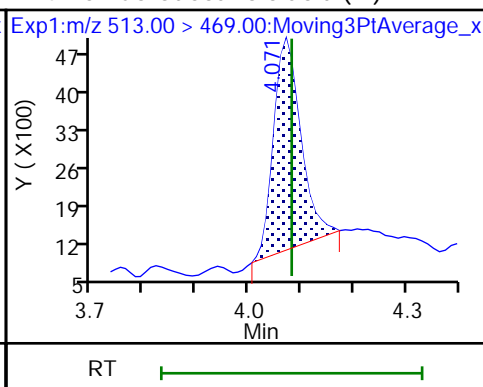
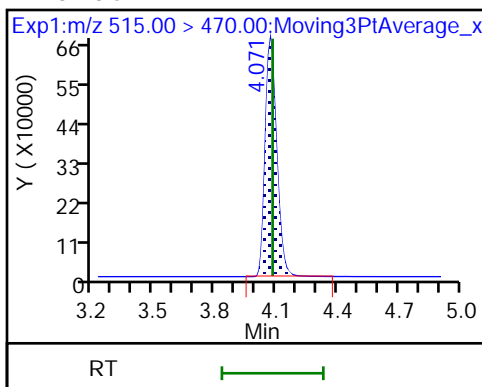
D 19 13C5 PFNA (M)



D 23 13C2 PFDA

24 Perfluorodecanoic acid (M)

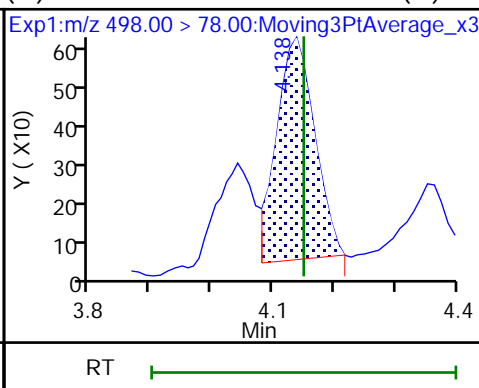
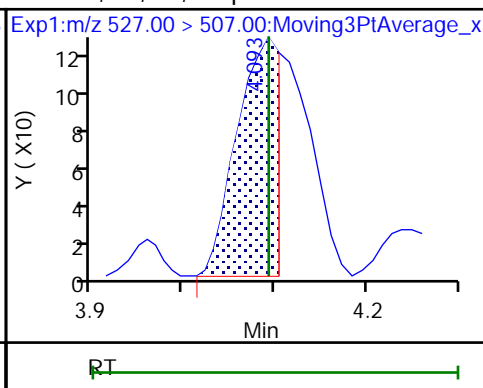
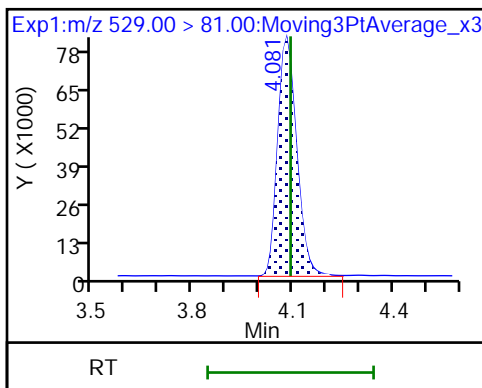
24 Perfluorodecanoic acid (M)



D 26 M2-8:2 FTS

25 1H,1H,2H,2H-perfluorodecanesulfo (M)

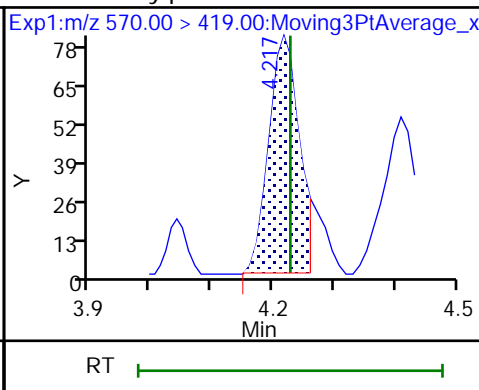
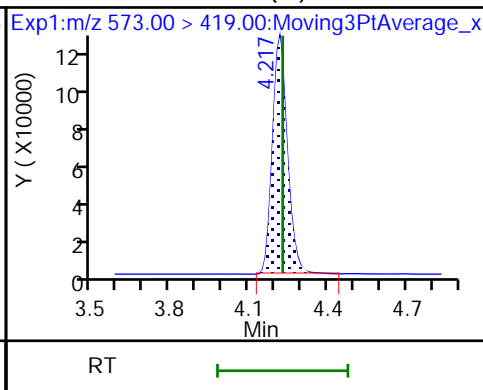
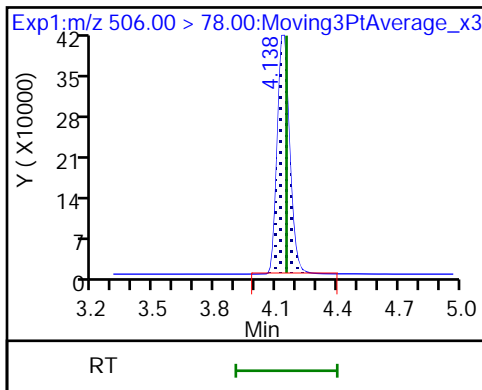
22 Perfluorooctanesulfonamide (M)



D 21 13C8 FOSA

D 27 d3-NMeFOSAA (M)

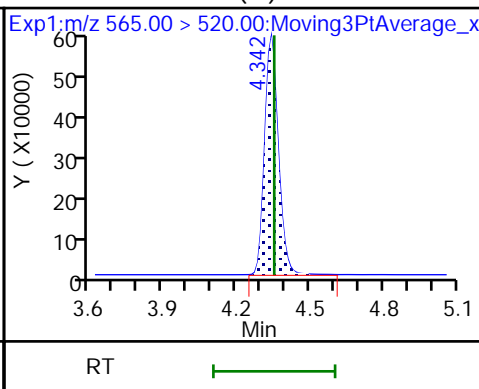
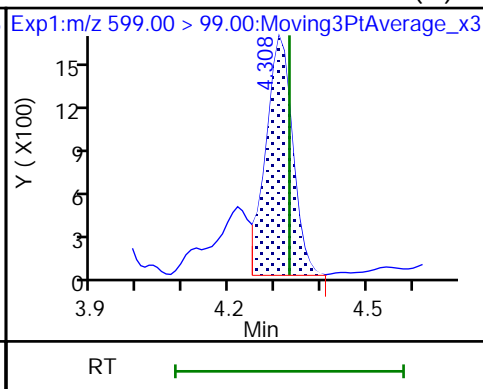
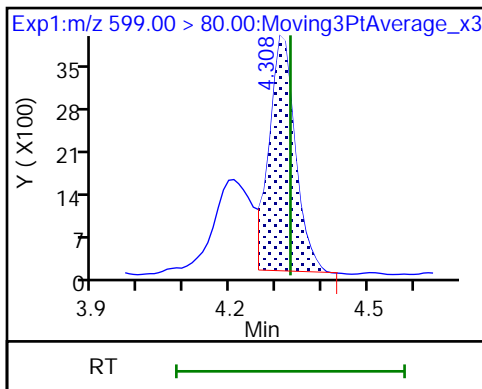
28 N-methylperfluorooctanesulfonami (M)



29 Perfluorodecanesulfonic acid

29 Perfluorodecanesulfonic acid (M)

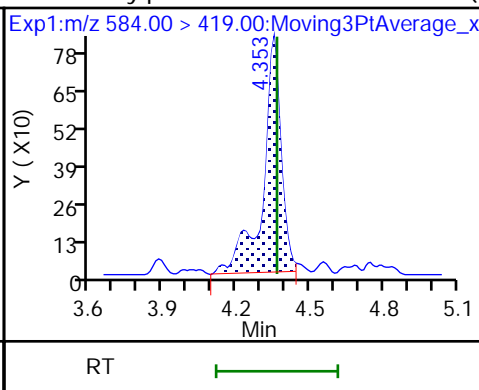
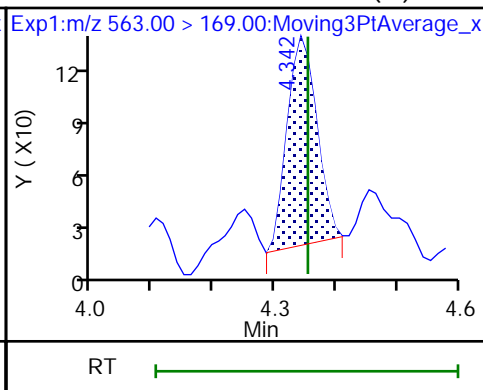
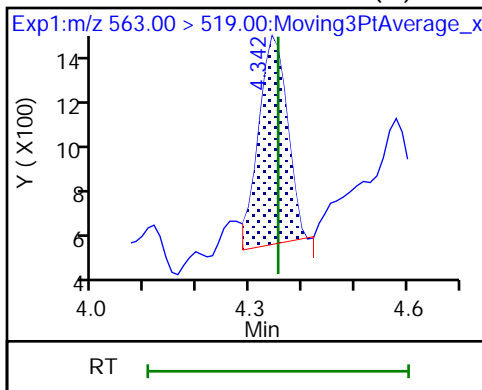
D 30 13C2 PFUnA (M)



31 Perfluoroundecanoic acid (M)

31 Perfluoroundecanoic acid (M)

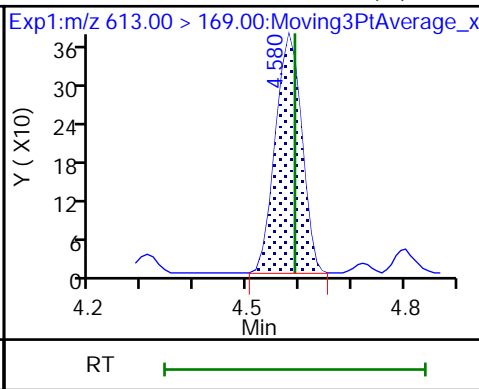
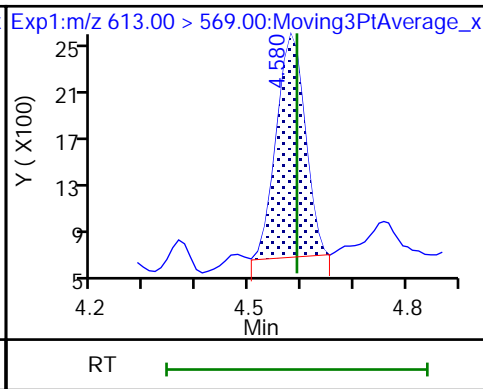
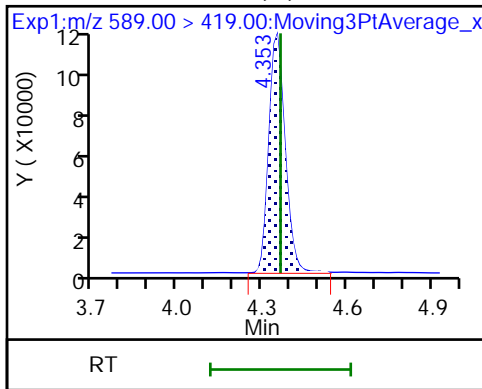
33 N-ethylperfluorooctanesulfonamid (M)



D 32 d5-NEtFOSAA (M)

37 Perfluorododecanoic acid

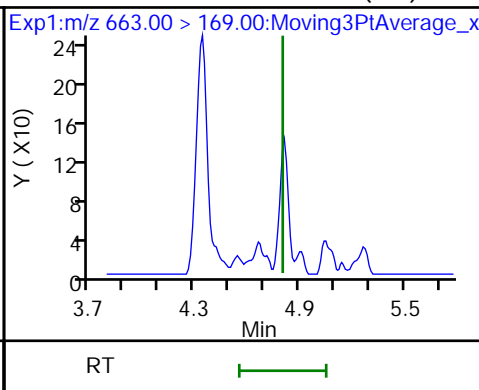
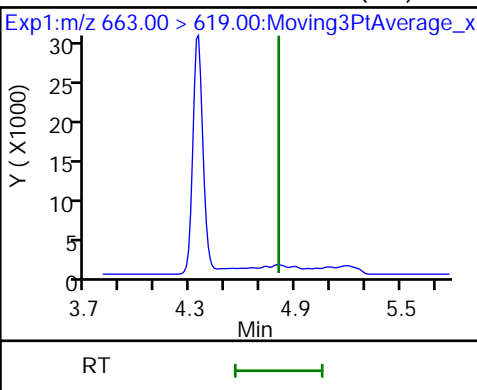
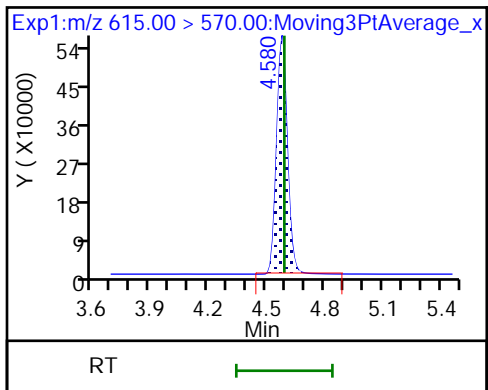
37 Perfluorododecanoic acid (M)



D 36 13C2 PFDoA

41 Perfluorotridecanoic acid (ND)

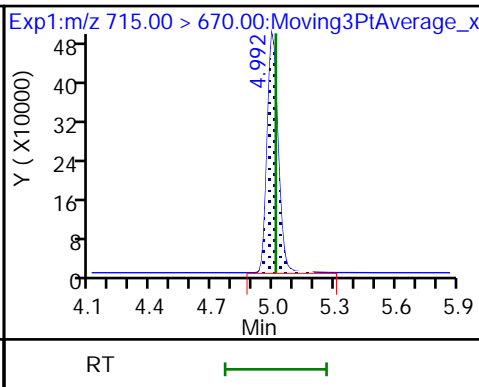
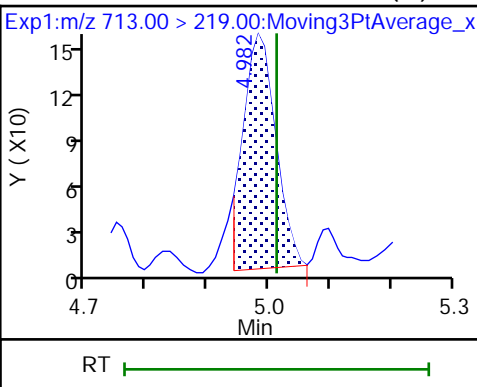
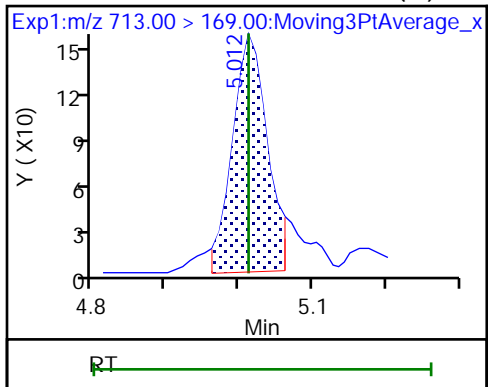
41 Perfluorotridecanoic acid (ND)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

D 43 13C2 PFTeDA



Eurofins Burlington

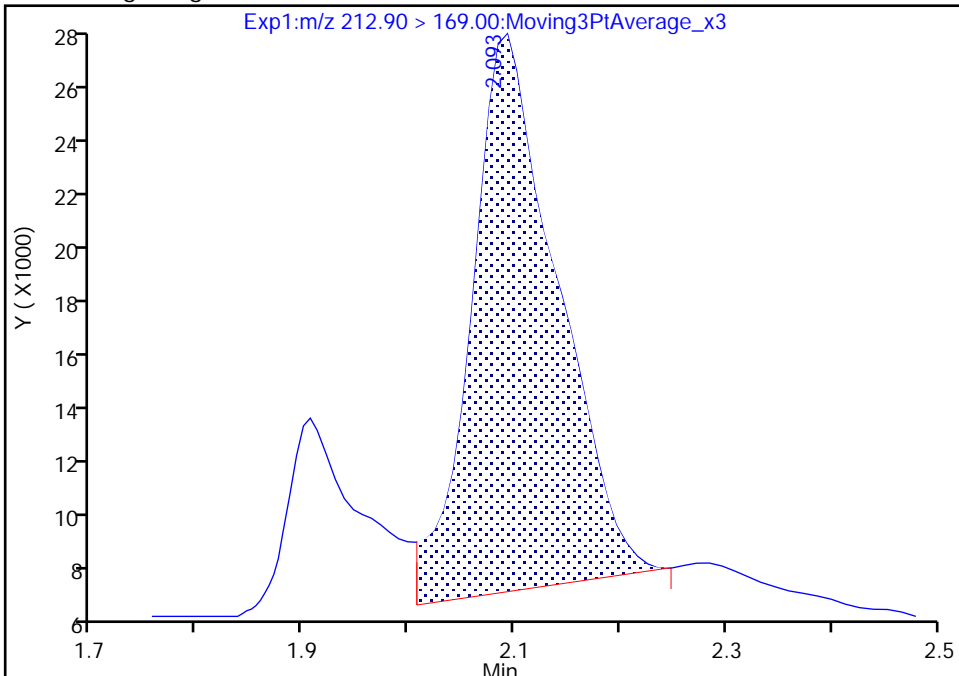
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Injection Date:	08-Dec-2022 18:04:53	Instrument ID:	LC812
Lims ID:	460-270515-A-2-A	Lab Sample ID:	200-270515-2
Client ID:	BCS-09-12_(5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	22
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	25

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

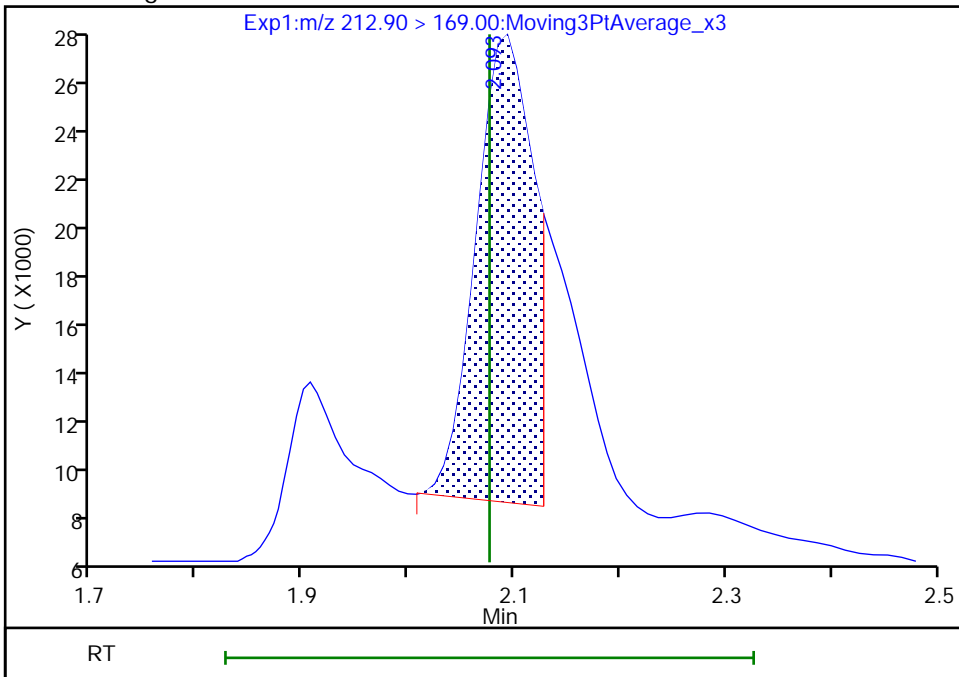
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 Area: 117168
 Amount: 0.056901
 Amount Units: ng/ml

Processing Integration Results



RT: 2.09
 Area: 71466
 Amount: 0.034706
 Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:22:05
 Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

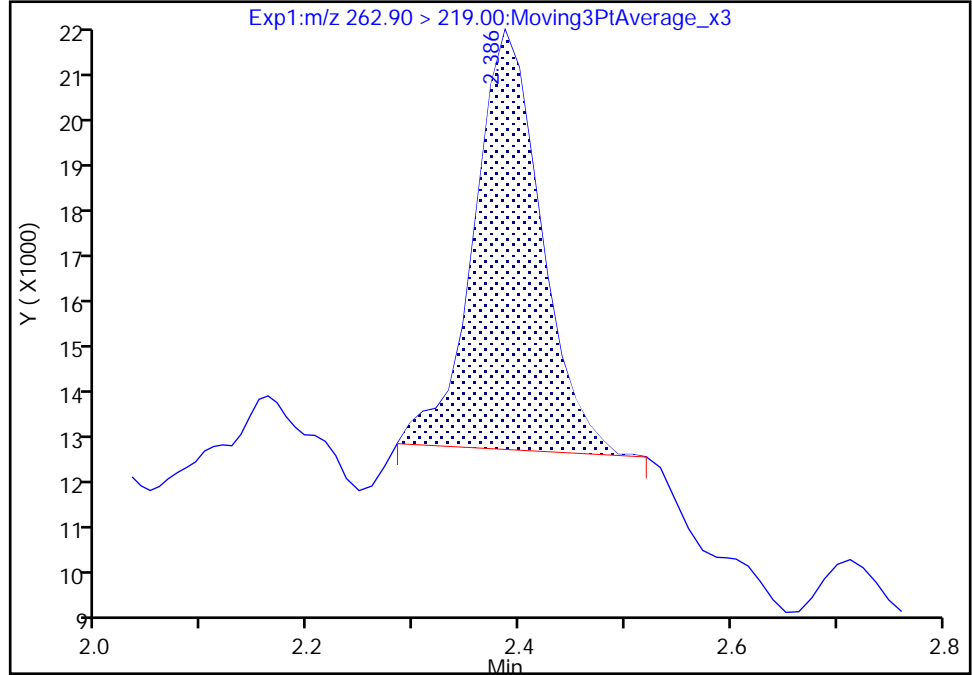
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Injection Date: 08-Dec-2022 18:04:53 Instrument ID: LC812
Lims ID: 460-270515-A-2-A Lab Sample ID: 200-270515-2
Client ID: BCS-09-12_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

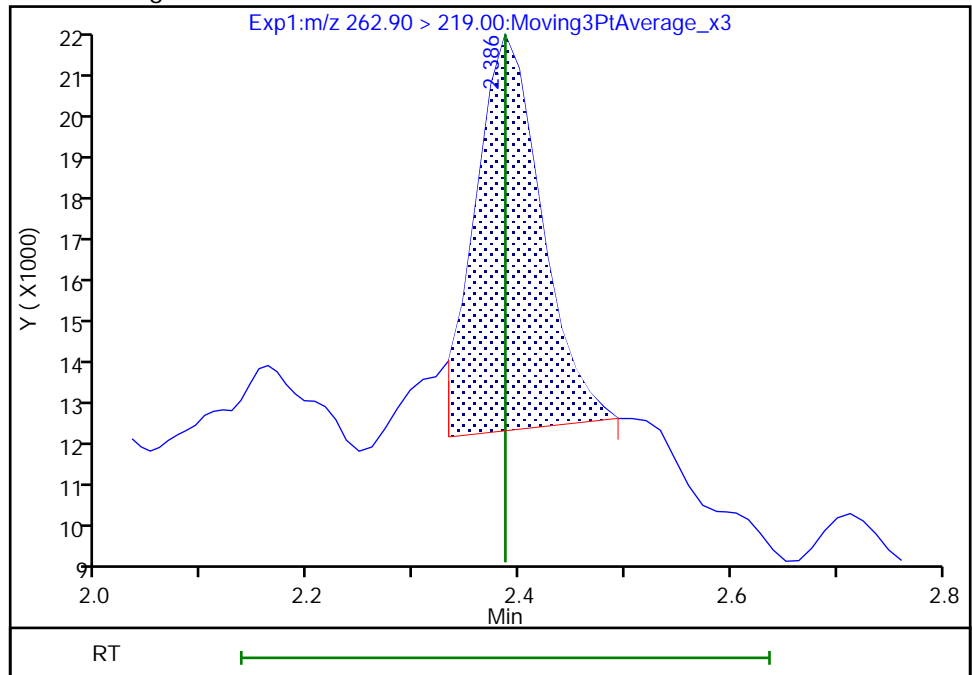
RT: 2.39
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Amount: 0.022529
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
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Amount: 0.023163
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:22:14
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

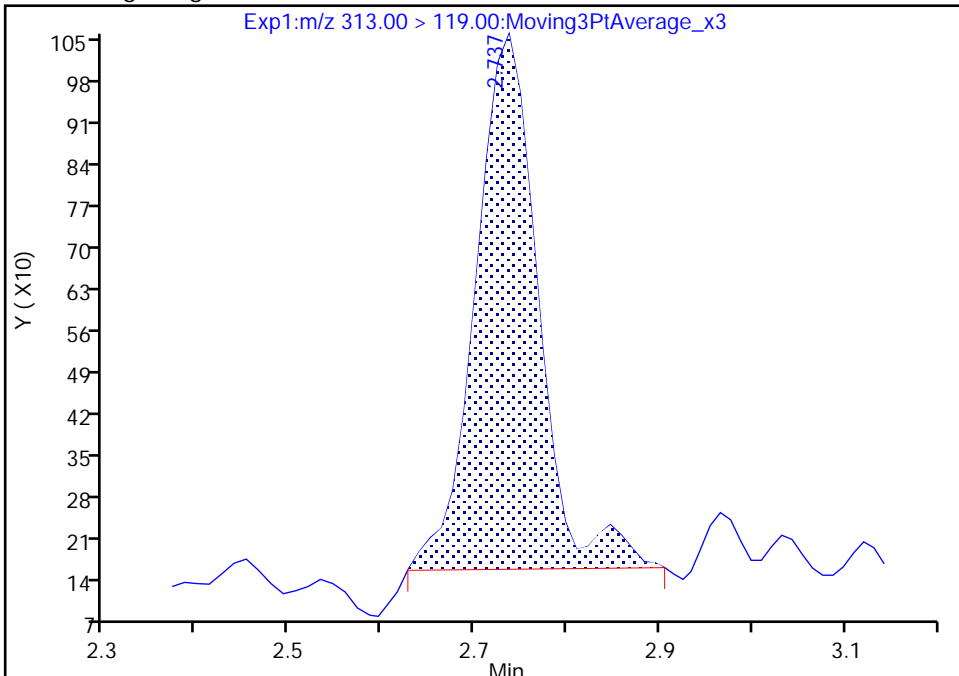
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Injection Date: 08-Dec-2022 18:04:53 Instrument ID: LC812
Lims ID: 460-270515-A-2-A Lab Sample ID: 200-270515-2
Client ID: BCS-09-12_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

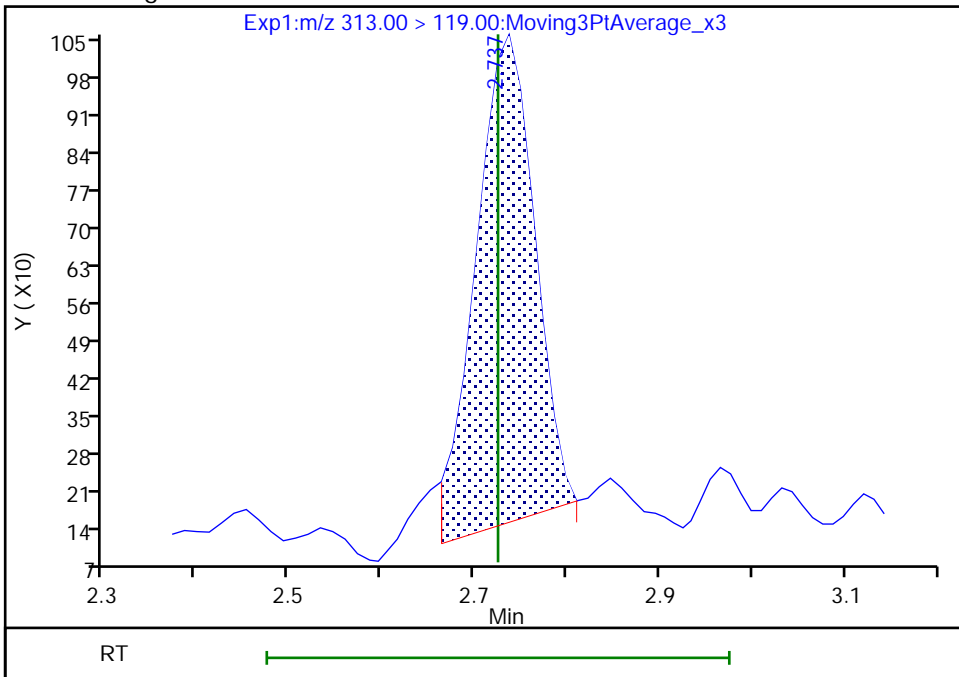
RT: 2.74
Area: 4225
Amount: 0.023572
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 3985
Amount: 0.022810
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:24:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

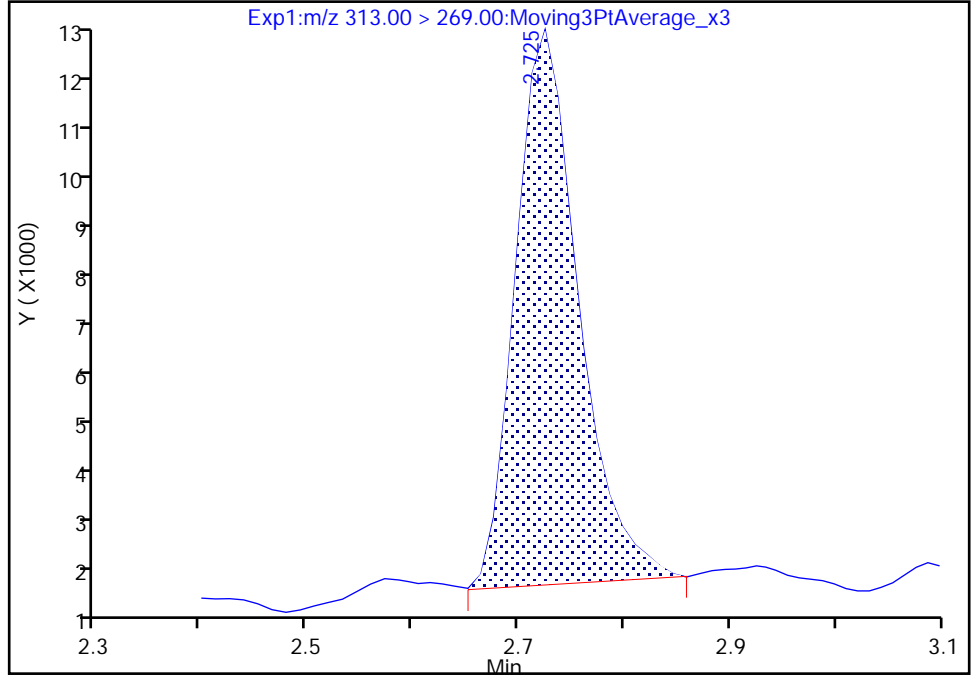
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Injection Date: 08-Dec-2022 18:04:53 Instrument ID: LC812
Lims ID: 460-270515-A-2-A Lab Sample ID: 200-270515-2
Client ID: BCS-09-12_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

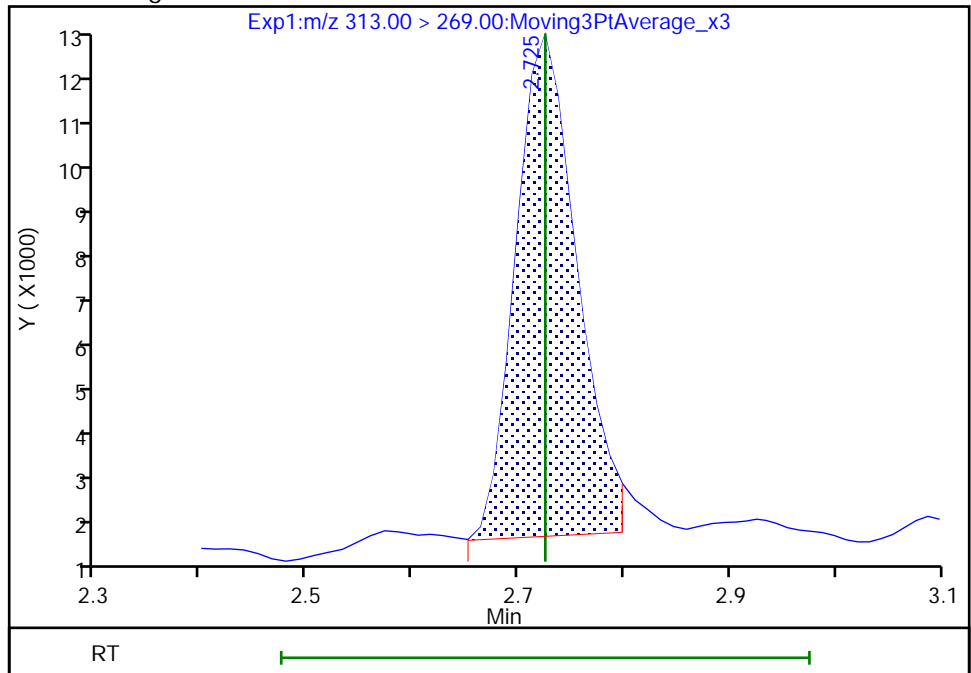
RT: 2.73
Area: 43290
Amount: 0.023572
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 41891
Amount: 0.022810
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:24:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

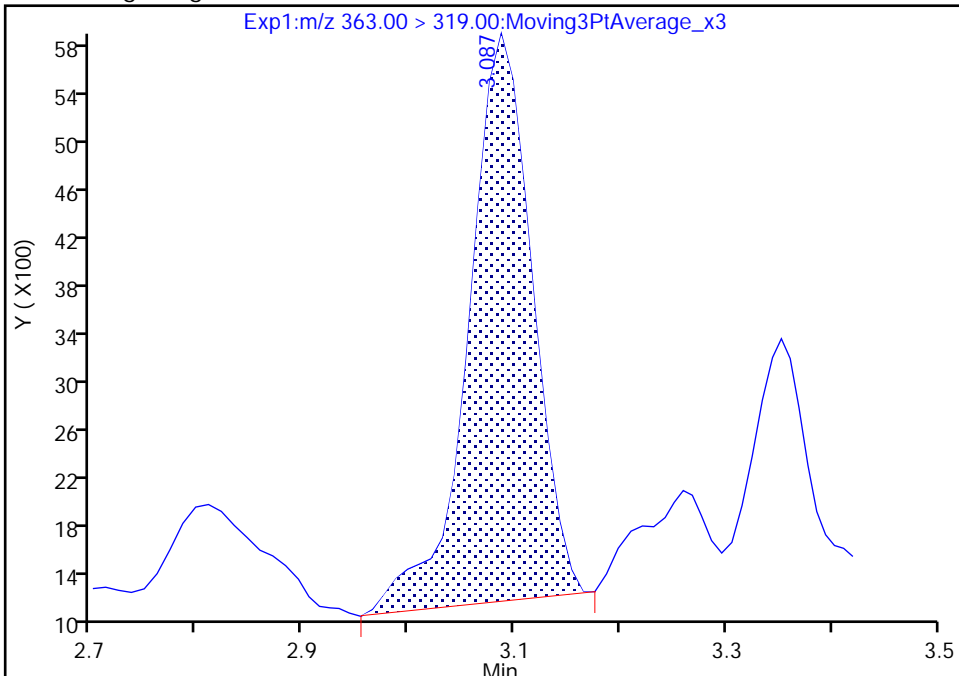
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A25.d
Injection Date: 08-Dec-2022 18:04:53 Instrument ID: LC812
Lims ID: 460-270515-A-2-A Lab Sample ID: 200-270515-2
Client ID: BCS-09-12_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

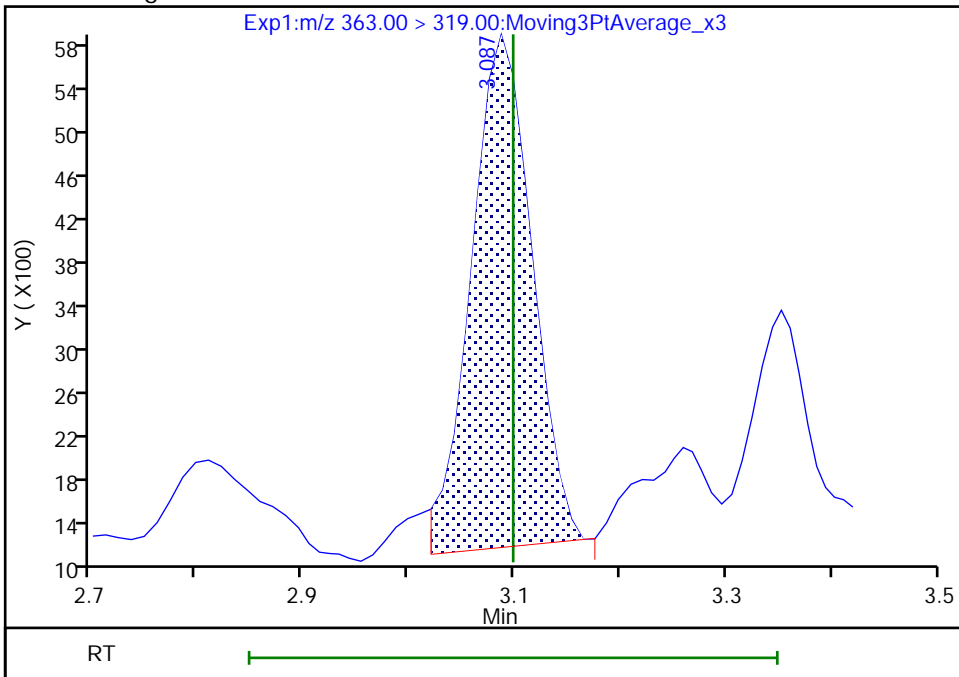
RT: 3.09
Area: 19297
Amount: 0.010009
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 18366
Amount: 0.009526
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:24:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

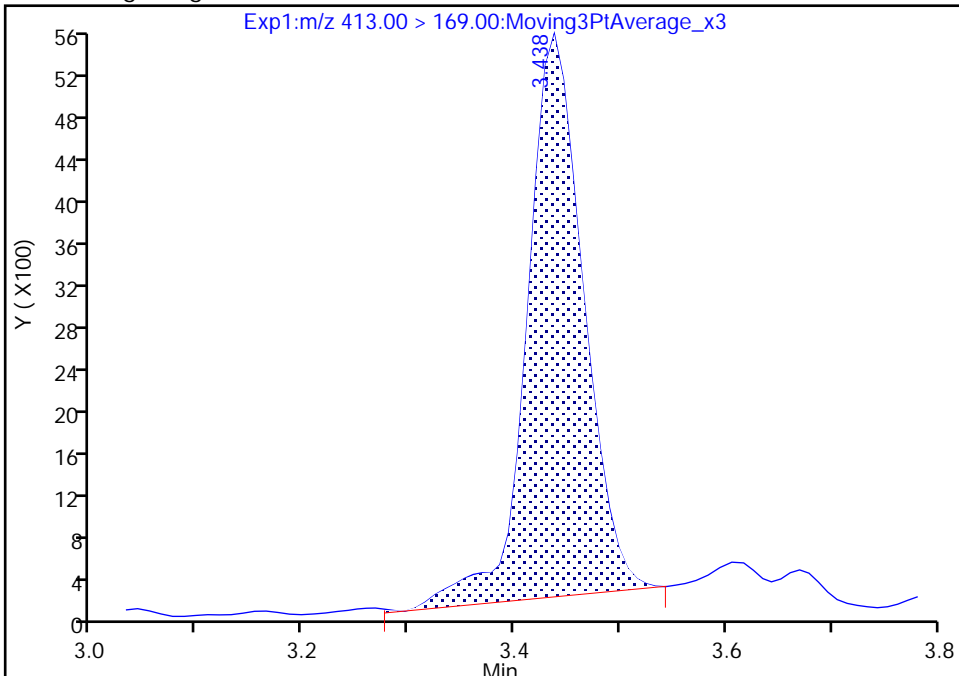
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A25.d
Injection Date: 08-Dec-2022 18:04:53 Instrument ID: LC812
Lims ID: 460-270515-A-2-A Lab Sample ID: 200-270515-2
Client ID: BCS-09-12_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

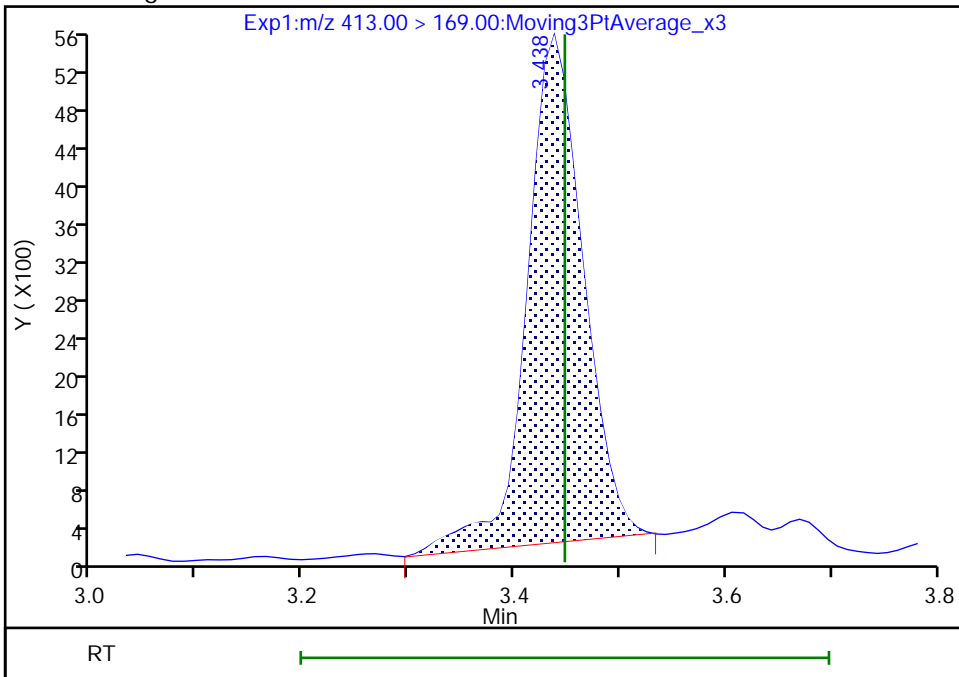
RT: 3.44
Area: 19937
Amount: 0.024132
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 19761
Amount: 0.023763
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:24:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

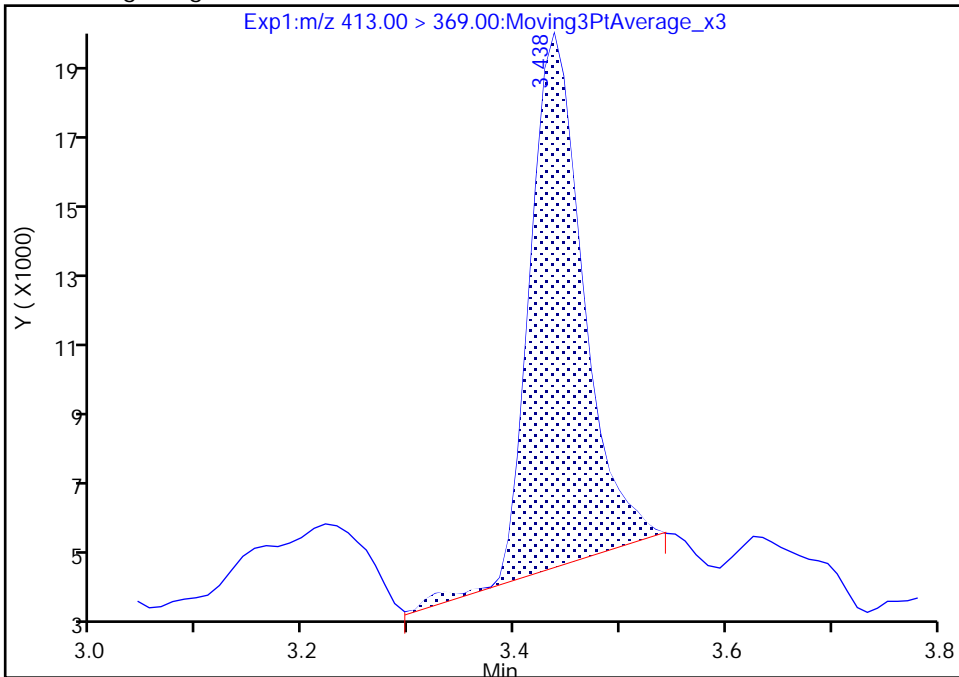
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A25.d
Injection Date: 08-Dec-2022 18:04:53 Instrument ID: LC812
Lims ID: 460-270515-A-2-A Lab Sample ID: 200-270515-2
Client ID: BCS-09-12_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

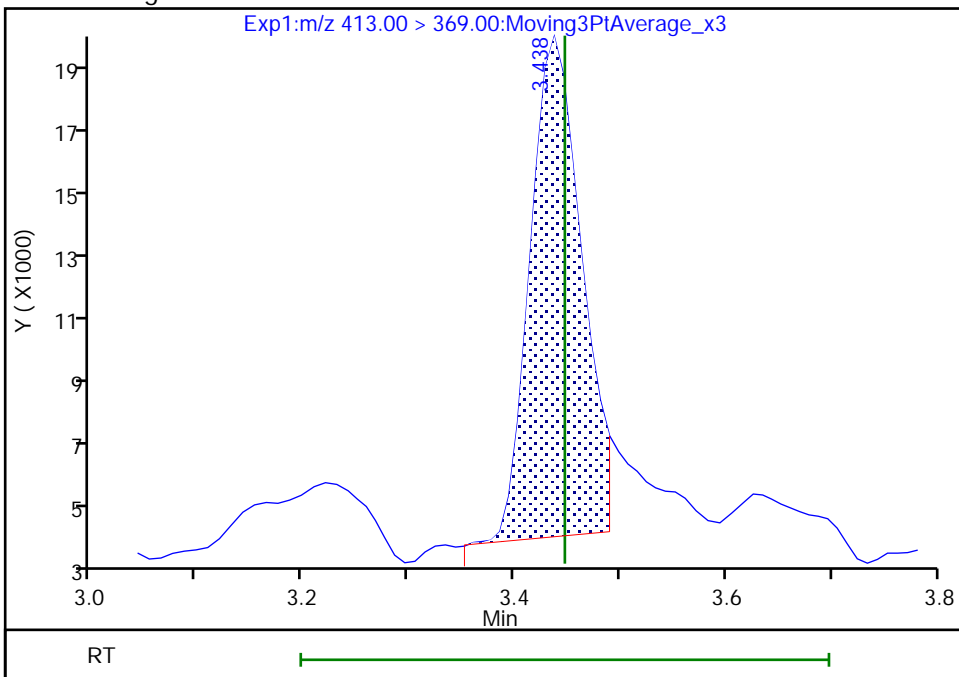
RT: 3.44
Area: 51302
Amount: 0.024132
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 50518
Amount: 0.023763
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:24:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

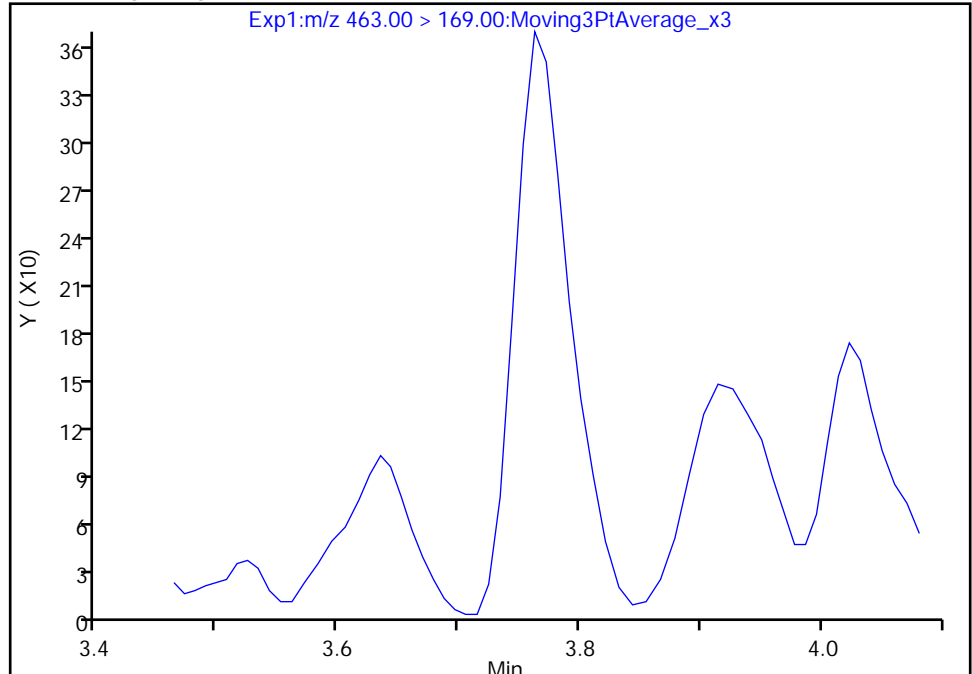
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A25.d
Injection Date: 08-Dec-2022 18:04:53 Instrument ID: LC812
Lims ID: 460-270515-A-2-A Lab Sample ID: 200-270515-2
Client ID: BCS-09-12_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

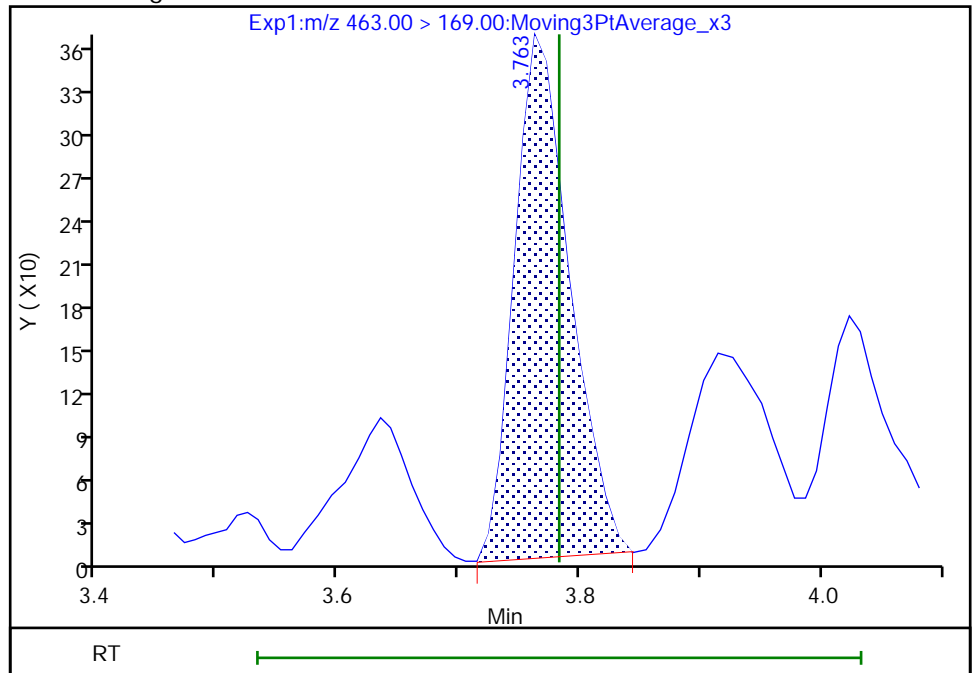
Not Detected
Expected RT: 3.78

Processing Integration Results



Manual Integration Results

RT: 3.76
Area: 1160
Amount: 0.004399
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 17:25:33
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

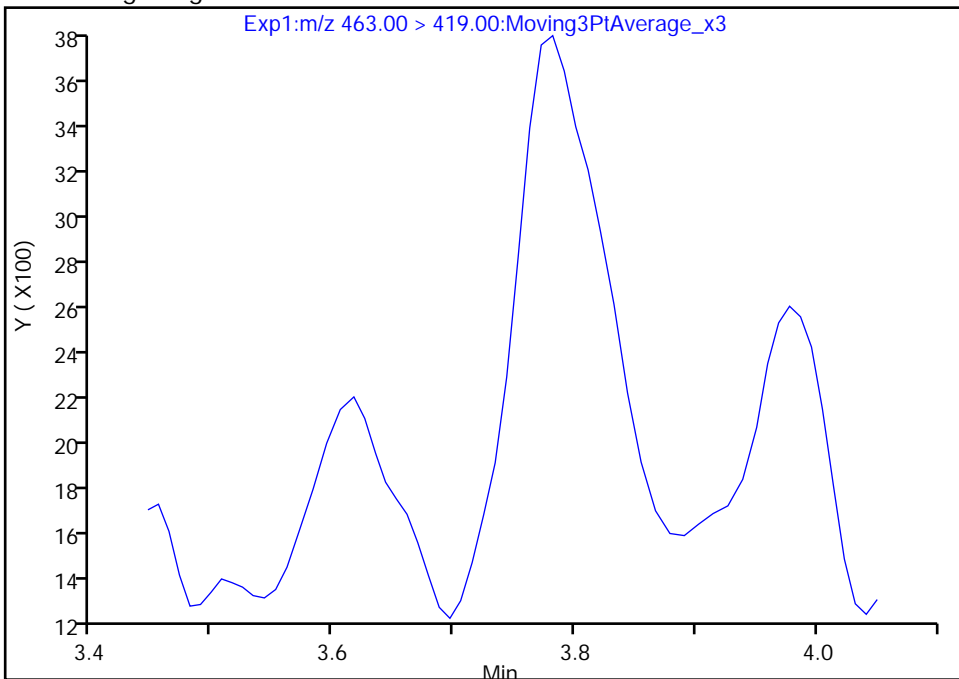
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A25.d
Injection Date: 08-Dec-2022 18:04:53 Instrument ID: LC812
Lims ID: 460-270515-A-2-A Lab Sample ID: 200-270515-2
Client ID: BCS-09-12_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

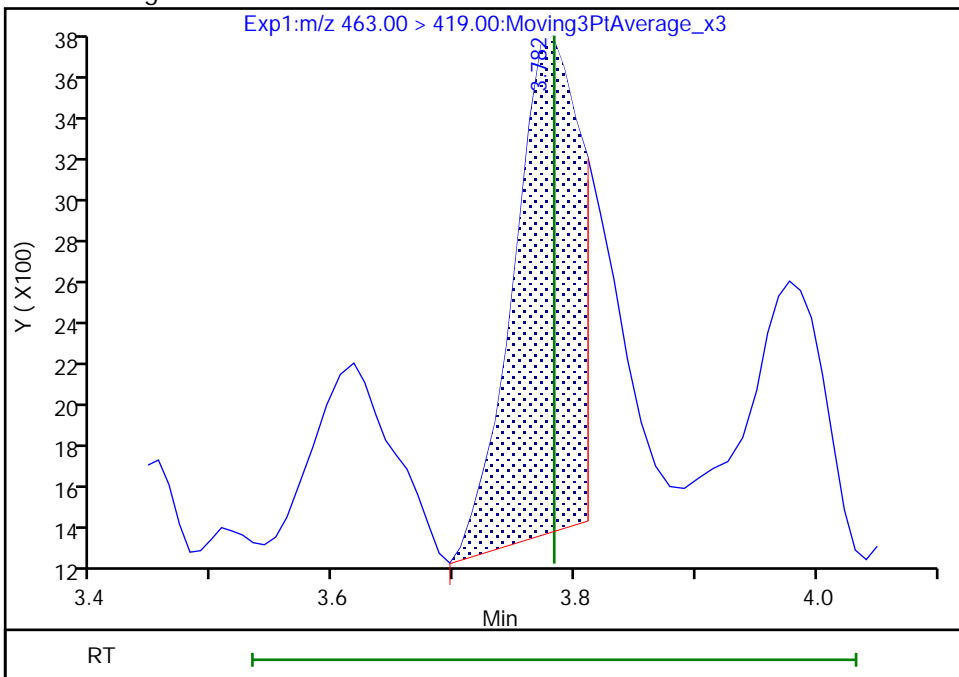
Not Detected
Expected RT: 3.78

Processing Integration Results



Manual Integration Results

RT: 3.78
Area: 8780
Amount: 0.004399
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 17:25:55

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

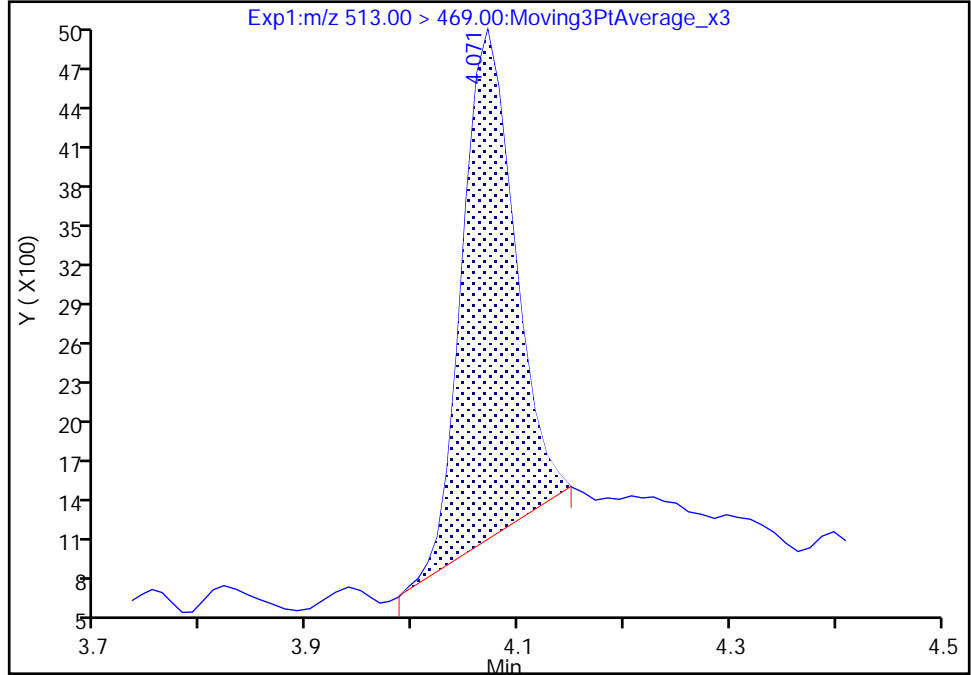
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A25.d
Injection Date: 08-Dec-2022 18:04:53 Instrument ID: LC812
Lims ID: 460-270515-A-2-A Lab Sample ID: 200-270515-2
Client ID: BCS-09-12_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

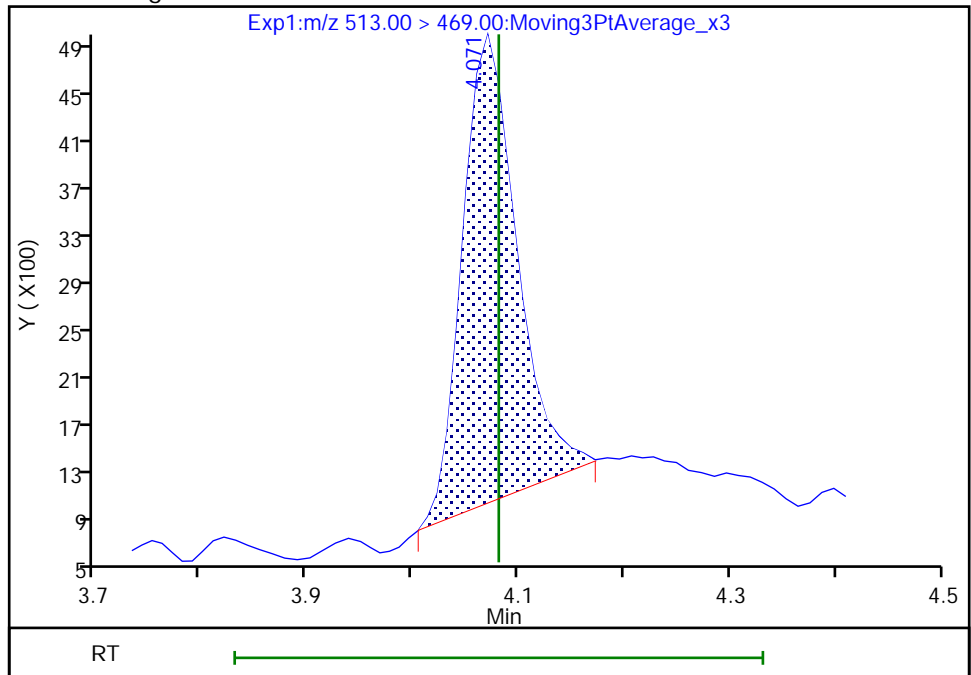
RT: 4.07
Area: 13299
Amount: 0.005835
Amount Units: ng/ml

Processing Integration Results



RT: 4.07
Area: 13979
Amount: 0.006133
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:26:04
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

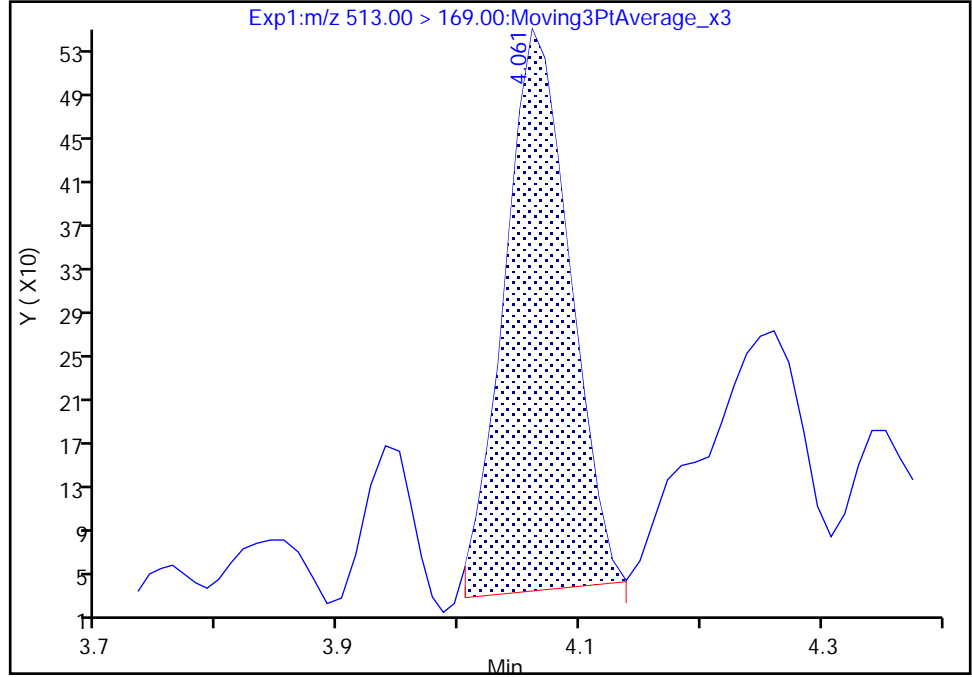
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A25.d
Injection Date: 08-Dec-2022 18:04:53 Instrument ID: LC812
Lims ID: 460-270515-A-2-A Lab Sample ID: 200-270515-2
Client ID: BCS-09-12_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

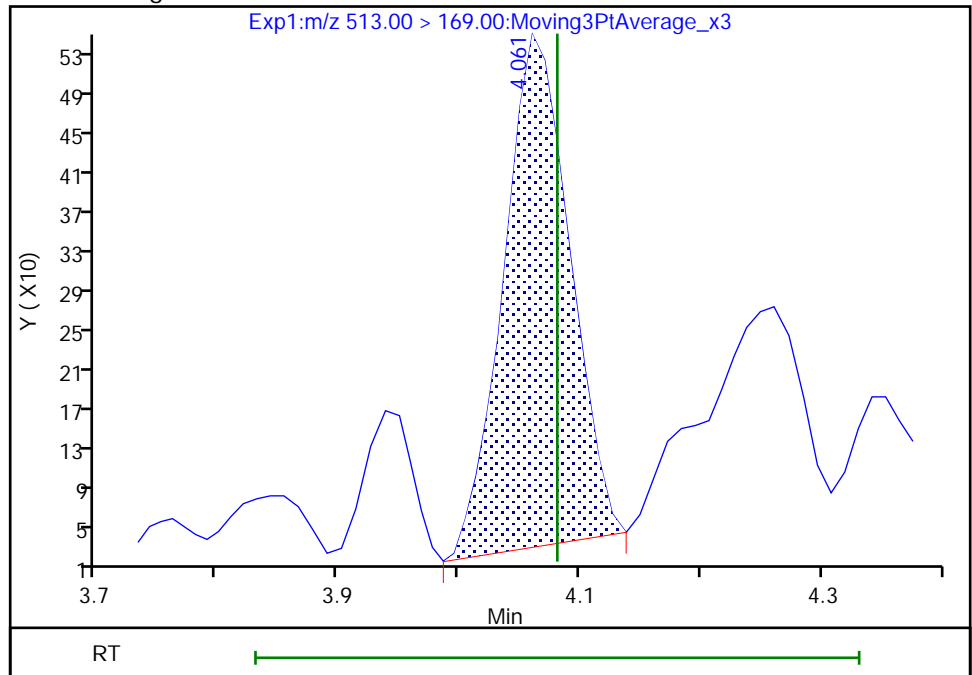
RT: 4.06
Area: 1918
Amount: 0.005835
Amount Units: ng/ml

Processing Integration Results



RT: 4.06
Area: 1974
Amount: 0.006133
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 17:26:07

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

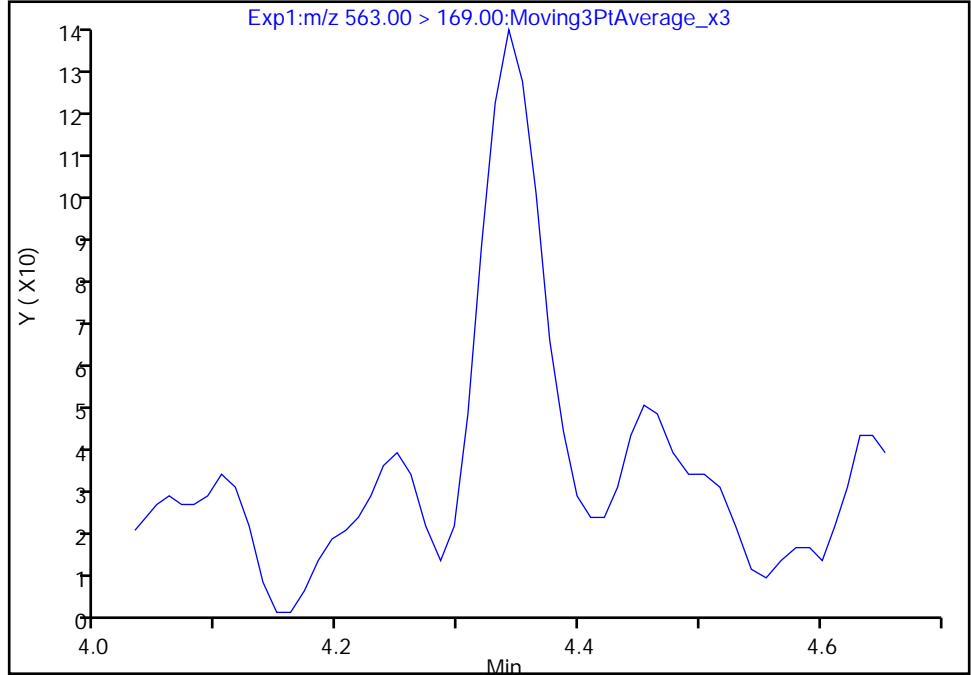
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A25.d
Injection Date: 08-Dec-2022 18:04:53 Instrument ID: LC812
Lims ID: 460-270515-A-2-A Lab Sample ID: 200-270515-2
Client ID: BCS-09-12_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

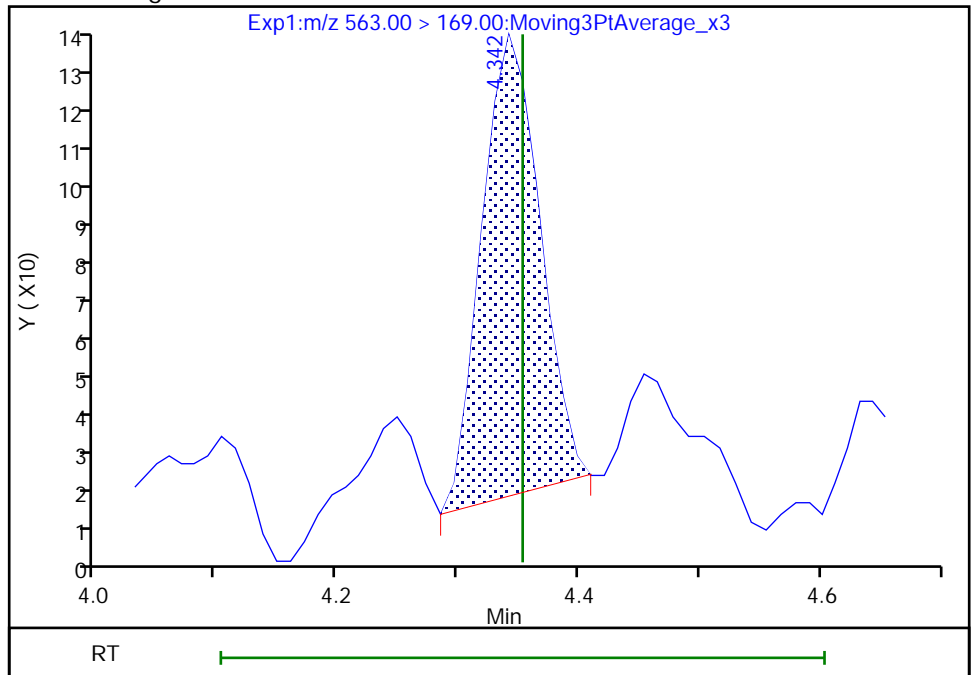
Not Detected
Expected RT: 4.35

Processing Integration Results



Manual Integration Results

RT: 4.34
Area: 397
Amount: 0.001847
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 17:27:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

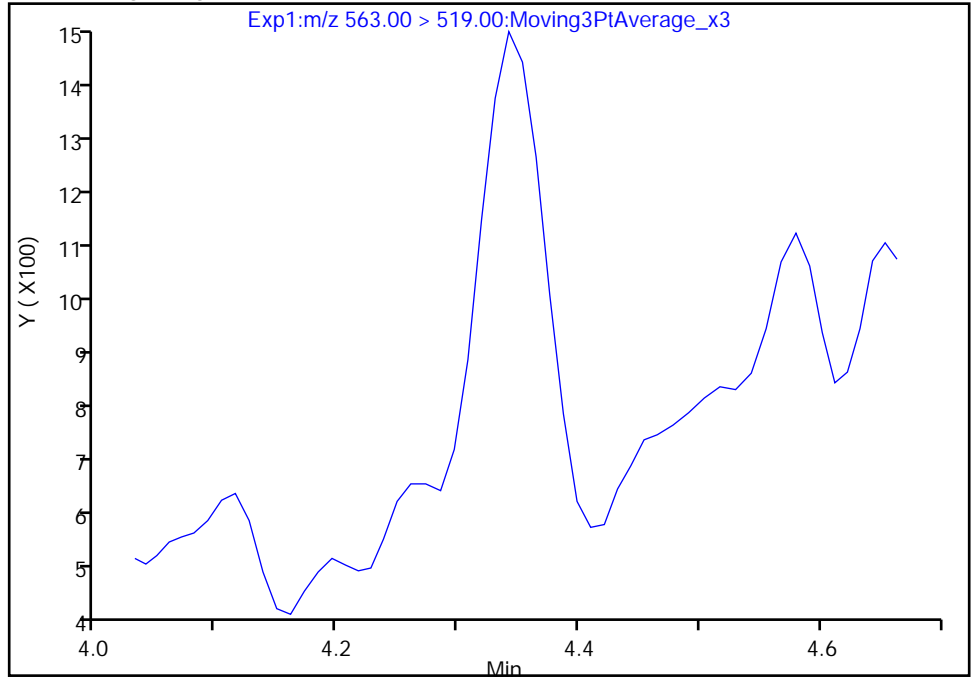
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A25.d
Injection Date: 08-Dec-2022 18:04:53 Instrument ID: LC812
Lims ID: 460-270515-A-2-A Lab Sample ID: 200-270515-2
Client ID: BCS-09-12_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

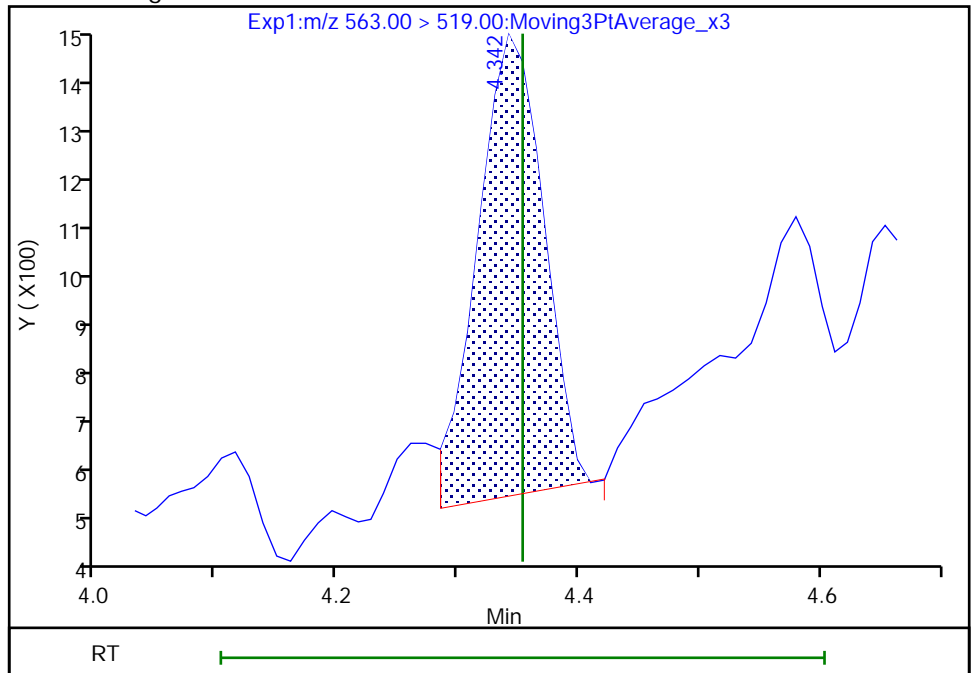
Not Detected
Expected RT: 4.35

Processing Integration Results



Manual Integration Results

RT: 4.34
Area: 3429
Amount: 0.001847
Amount Units: ng/ml



Eurofins Burlington

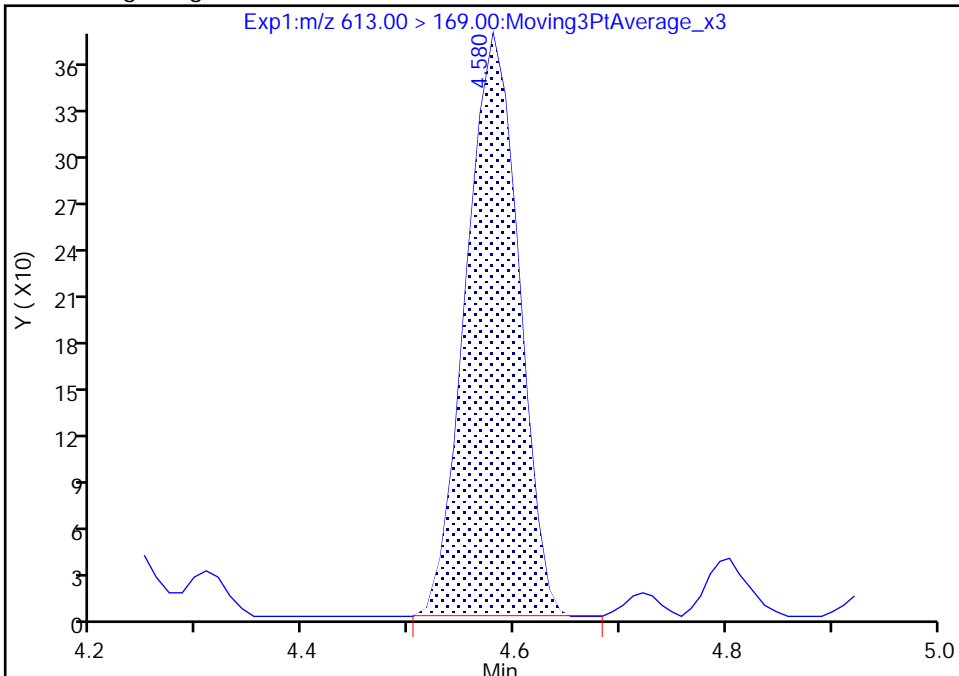
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A25.d
Injection Date: 08-Dec-2022 18:04:53 Instrument ID: LC812
Lims ID: 460-270515-A-2-A Lab Sample ID: 200-270515-2
Client ID: BCS-09-12_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

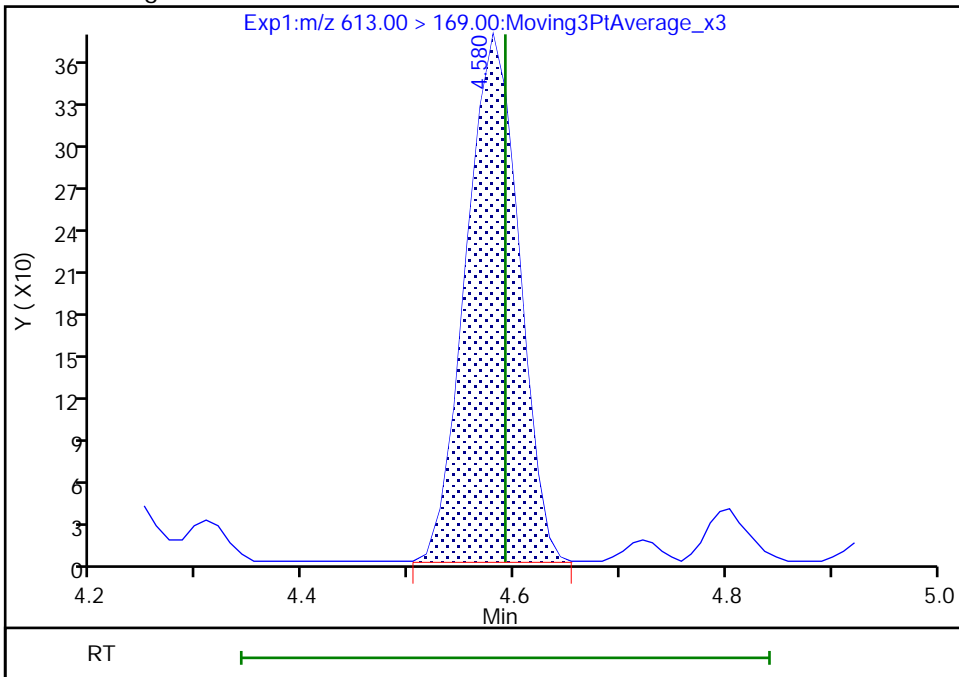
RT: 4.58
Area: 1290
Amount: 0.003733
Amount Units: ng/ml

Processing Integration Results



RT: 4.58
Area: 1290
Amount: 0.003733
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:27:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

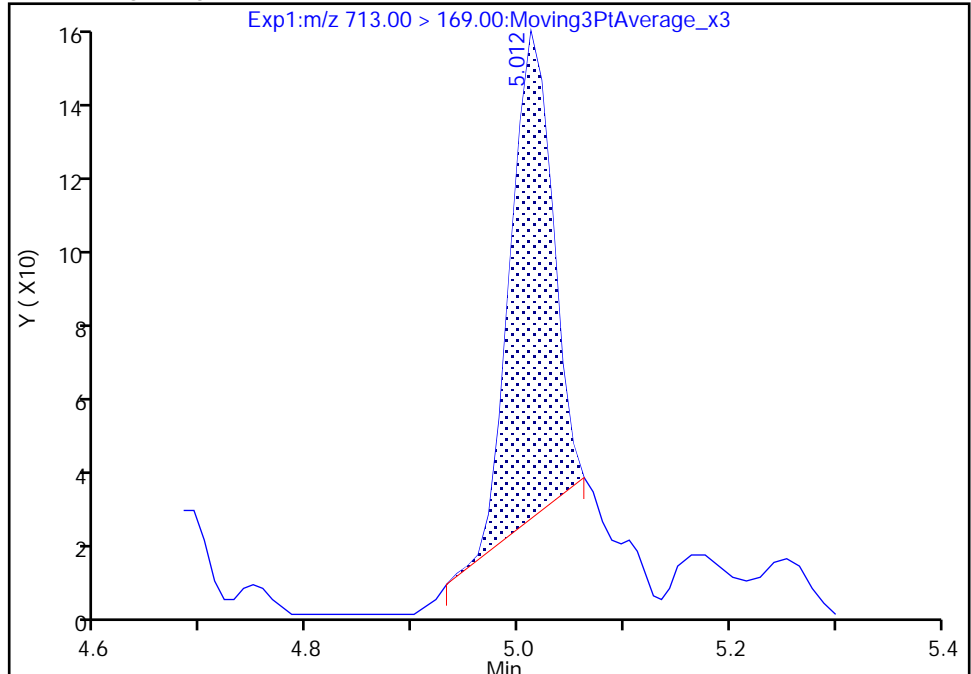
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A25.d
Injection Date: 08-Dec-2022 18:04:53 Instrument ID: LC812
Lims ID: 460-270515-A-2-A Lab Sample ID: 200-270515-2
Client ID: BCS-09-12_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

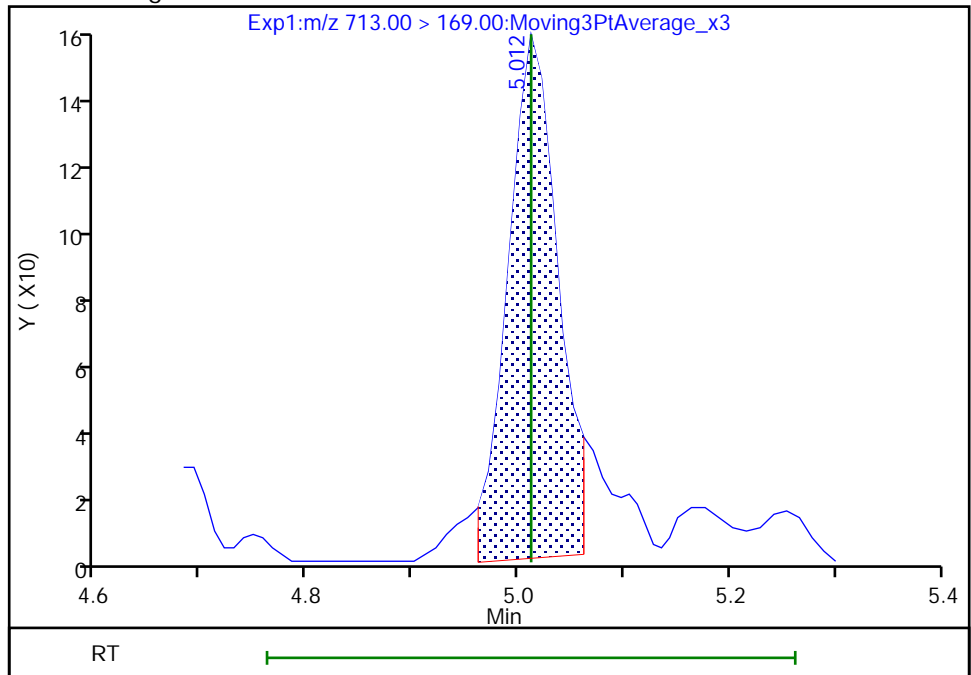
RT: 5.01
Area: 361
Amount: 0.001803
Amount Units: ng/ml

Processing Integration Results



RT: 5.01
Area: 508
Amount: 0.002537
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:27:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

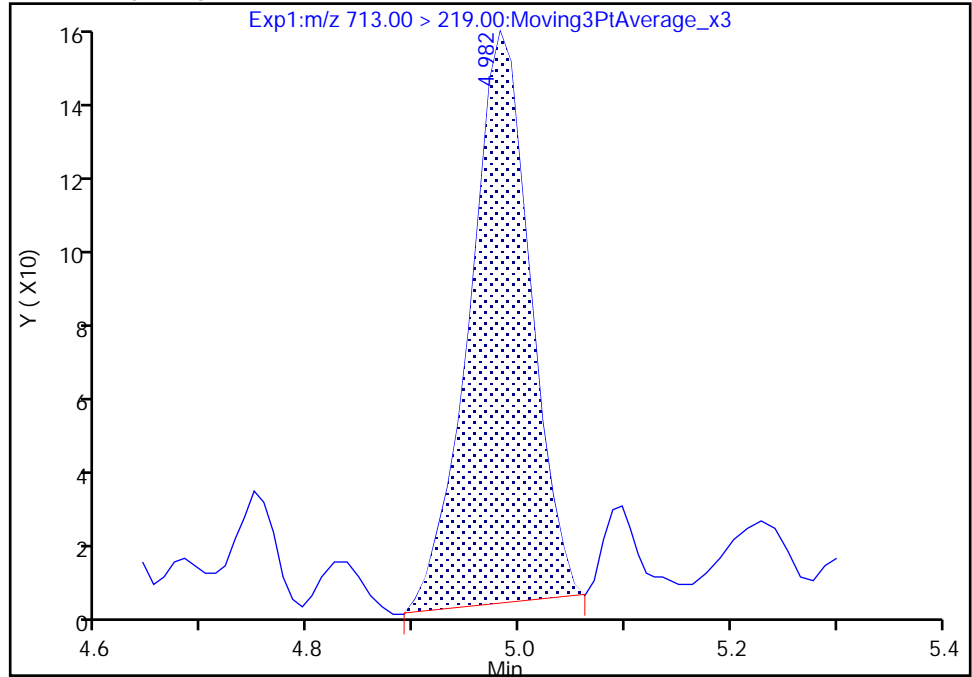
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A25.d
Injection Date: 08-Dec-2022 18:04:53 Instrument ID: LC812
Lims ID: 460-270515-A-2-A Lab Sample ID: 200-270515-2
Client ID: BCS-09-12_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

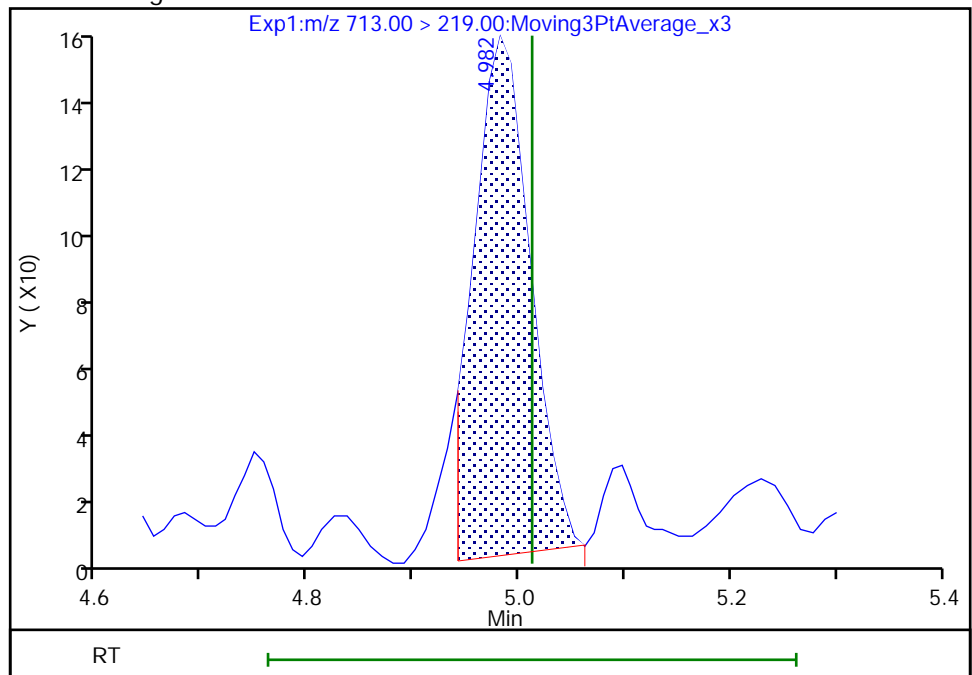
RT: 4.98
Area: 614
Amount: 0.001803
Amount Units: ng/ml

Processing Integration Results



RT: 4.98
Area: 560
Amount: 0.002537
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 17:27:56

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

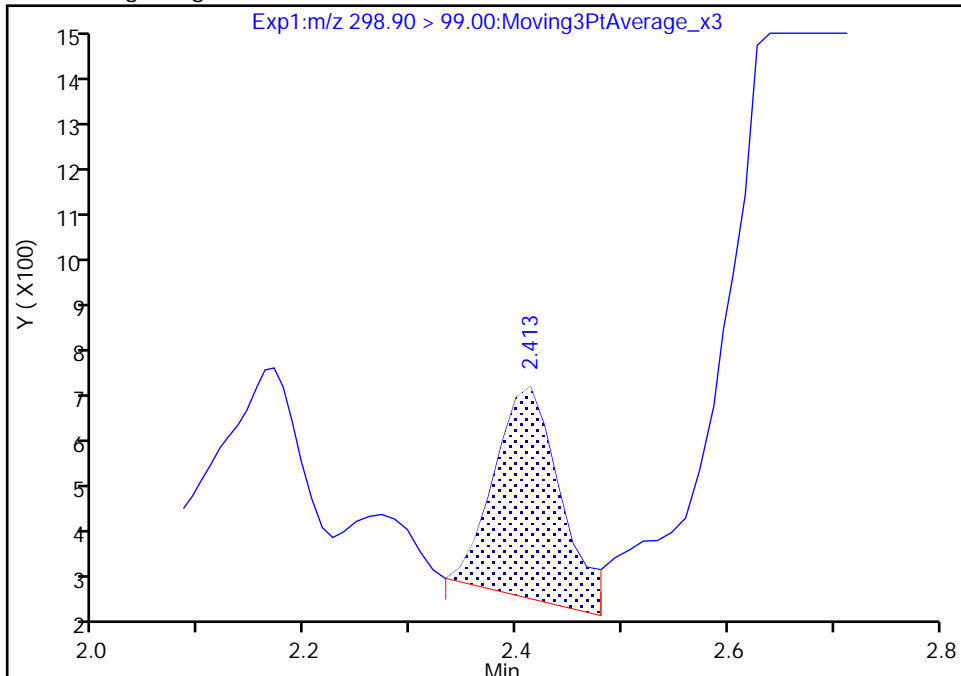
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A25.d
Injection Date: 08-Dec-2022 18:04:53 Instrument ID: LC812
Lims ID: 460-270515-A-2-A Lab Sample ID: 200-270515-2
Client ID: BCS-09-12_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

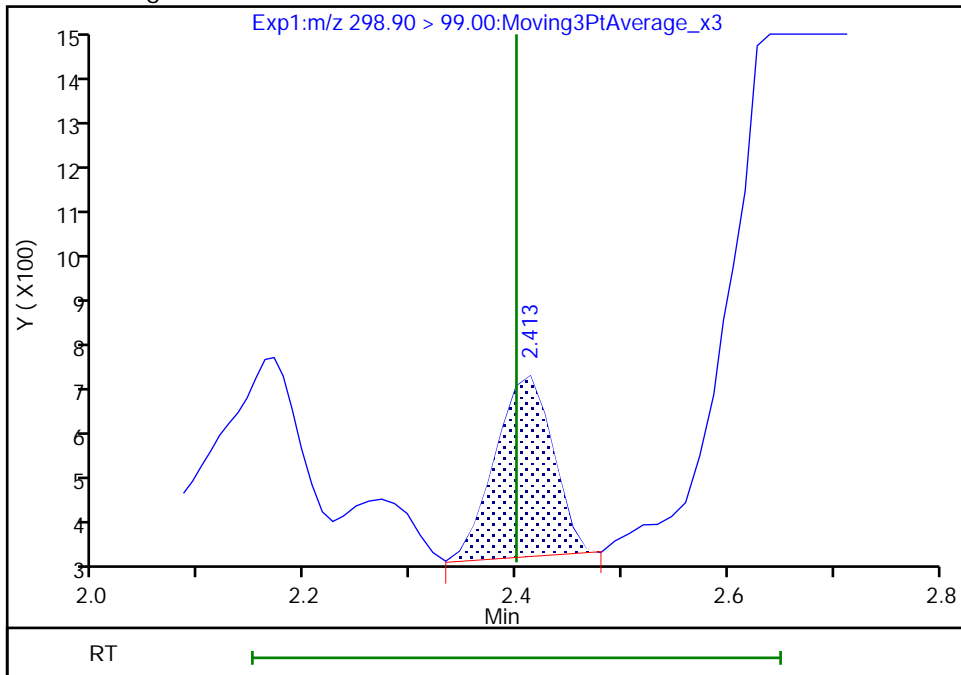
RT: 2.41
Area: 1821
Amount: 0.001592
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 1411
Amount: 0.002023
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:23:48
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

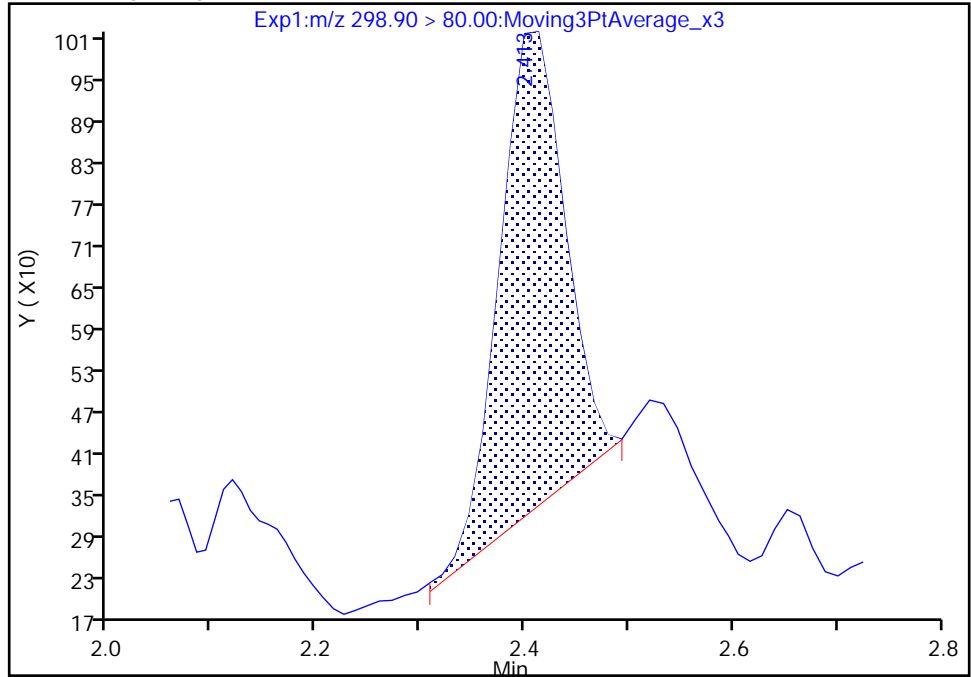
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A25.d
Injection Date: 08-Dec-2022 18:04:53 Instrument ID: LC812
Lims ID: 460-270515-A-2-A Lab Sample ID: 200-270515-2
Client ID: BCS-09-12_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

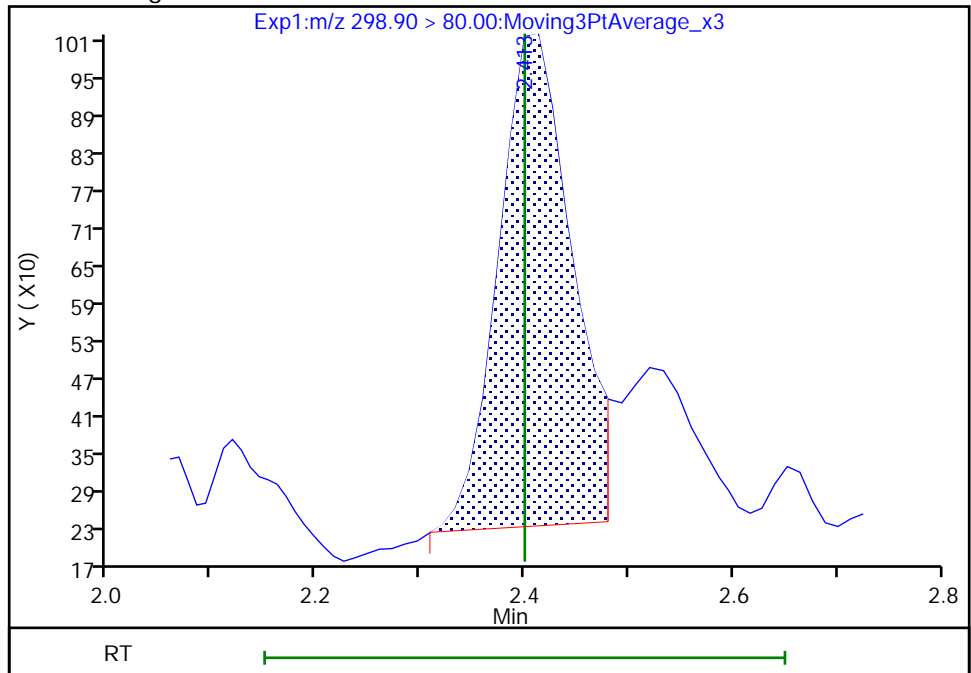
RT: 2.41
Area: 3005
Amount: 0.001592
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 3819
Amount: 0.002023
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:23:50

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

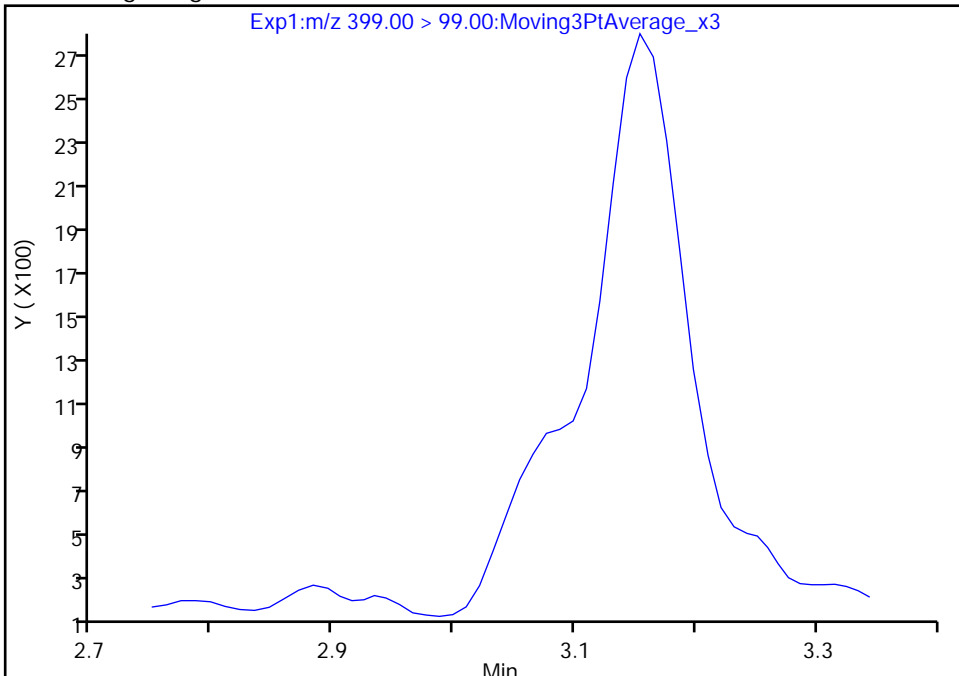
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A25.d
Injection Date: 08-Dec-2022 18:04:53 Instrument ID: LC812
Lims ID: 460-270515-A-2-A Lab Sample ID: 200-270515-2
Client ID: BCS-09-12_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

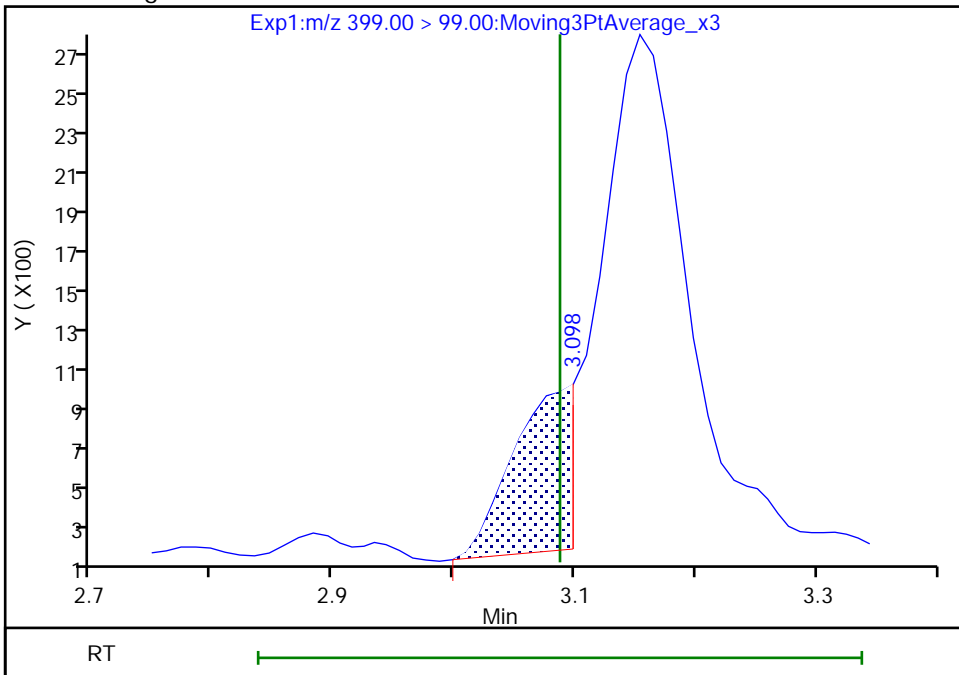
Not Detected
Expected RT: 3.09

Processing Integration Results



Manual Integration Results

RT: 3.10
Area: 2734
Amount: 0.004351
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 17:24:17
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

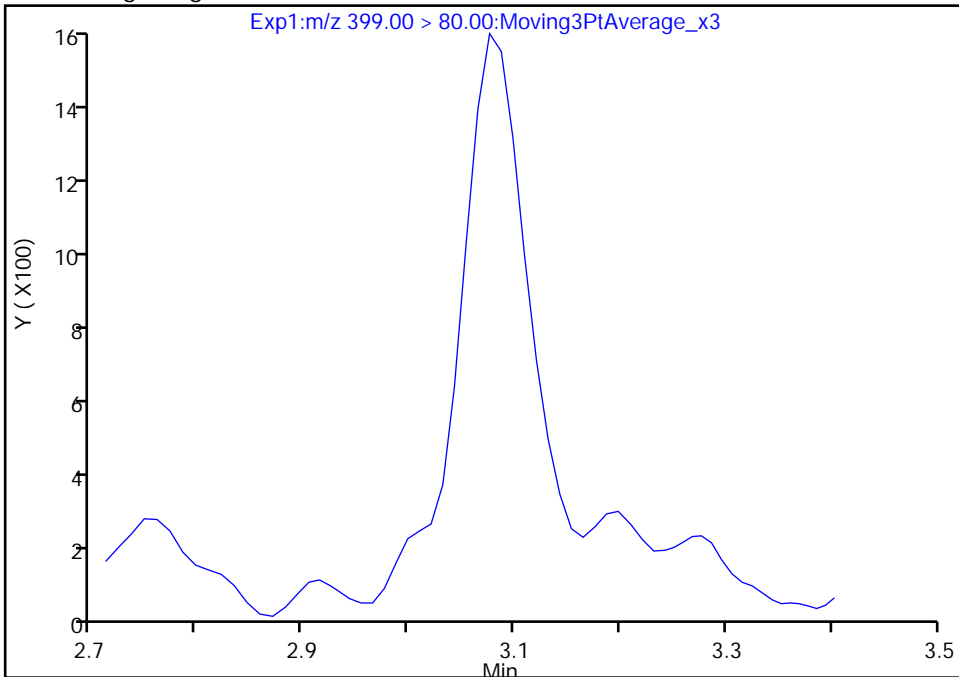
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A25.d
Injection Date: 08-Dec-2022 18:04:53 Instrument ID: LC812
Lims ID: 460-270515-A-2-A Lab Sample ID: 200-270515-2
Client ID: BCS-09-12_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

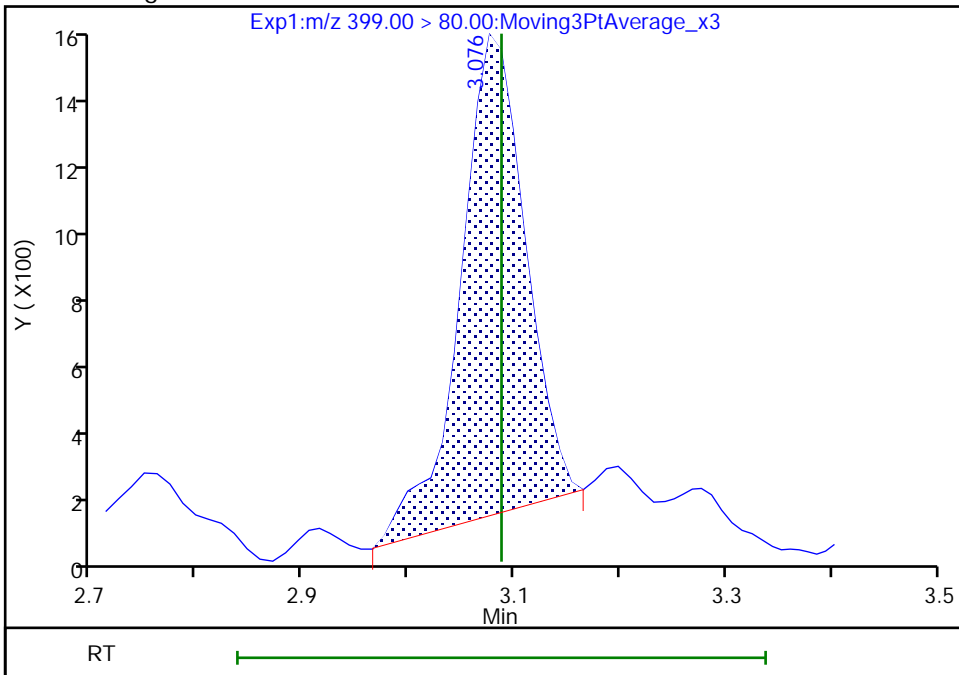
Not Detected
Expected RT: 3.09

Processing Integration Results



Manual Integration Results

RT: 3.08
Area: 6130
Amount: 0.004351
Amount Units: ng/ml



Eurofins Burlington

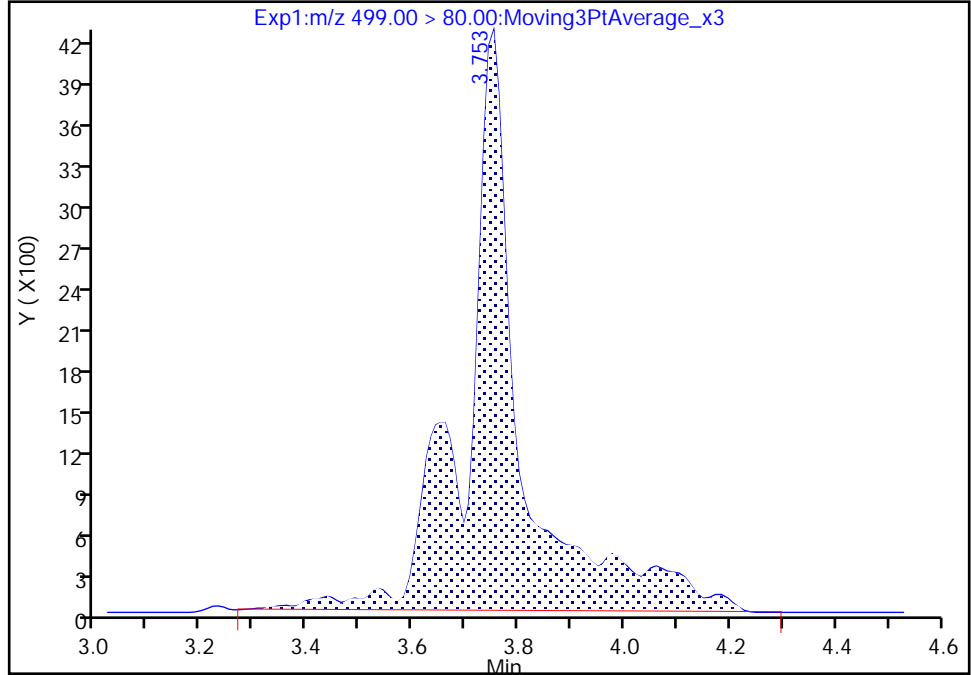
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A25.d
Injection Date: 08-Dec-2022 18:04:53 Instrument ID: LC812
Lims ID: 460-270515-A-2-A Lab Sample ID: 200-270515-2
Client ID: BCS-09-12_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

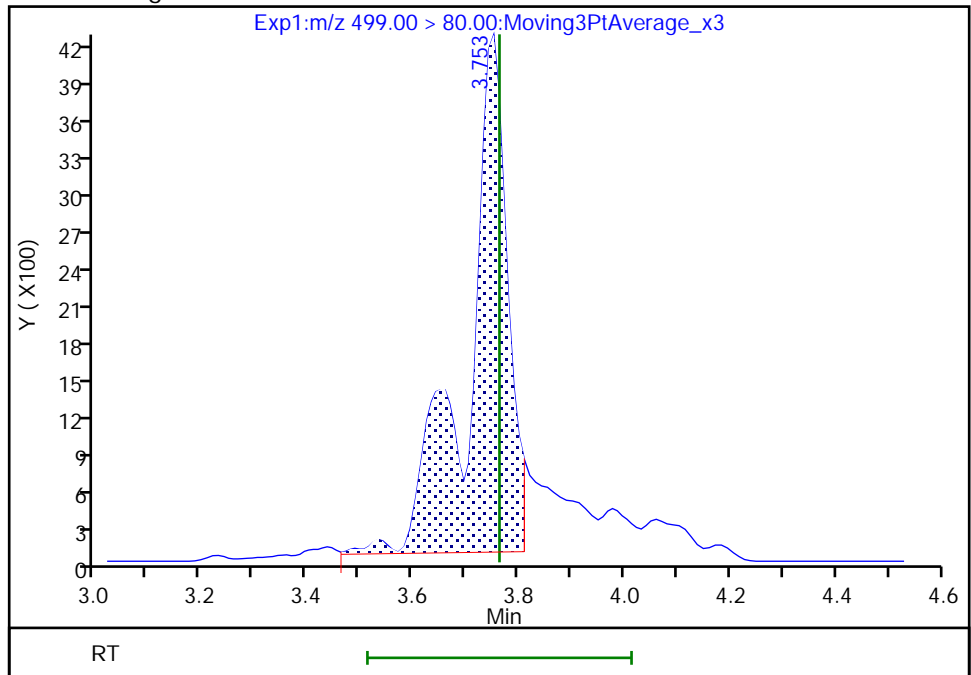
RT: 3.75
Area: 32143
Amount: 0.031208
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 22201
Amount: 0.021555
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 13-Dec-2022 08:53:04
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

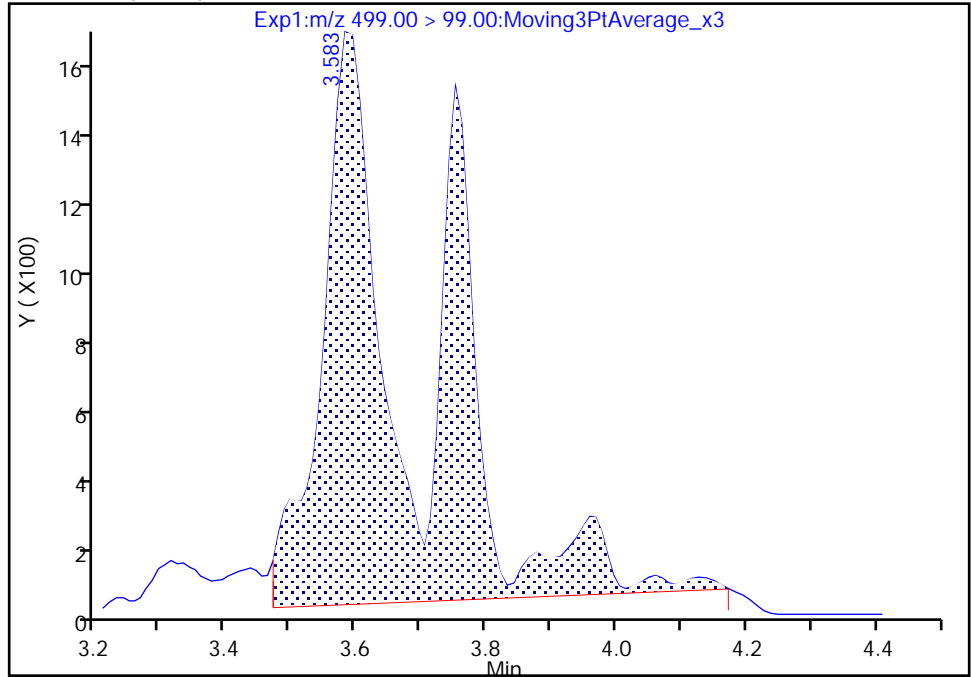
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A25.d
Injection Date: 08-Dec-2022 18:04:53 Instrument ID: LC812
Lims ID: 460-270515-A-2-A Lab Sample ID: 200-270515-2
Client ID: BCS-09-12_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

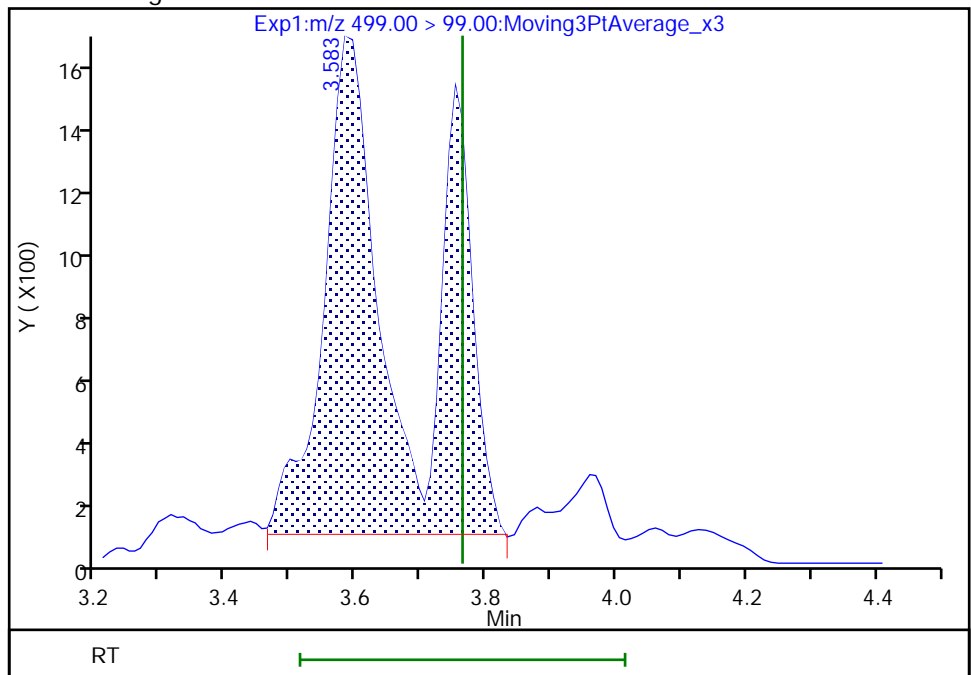
RT: 3.58
Area: 16038
Amount: 0.031208
Amount Units: ng/ml

Processing Integration Results



RT: 3.58
Area: 13363
Amount: 0.021555
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 13-Dec-2022 08:53:10

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

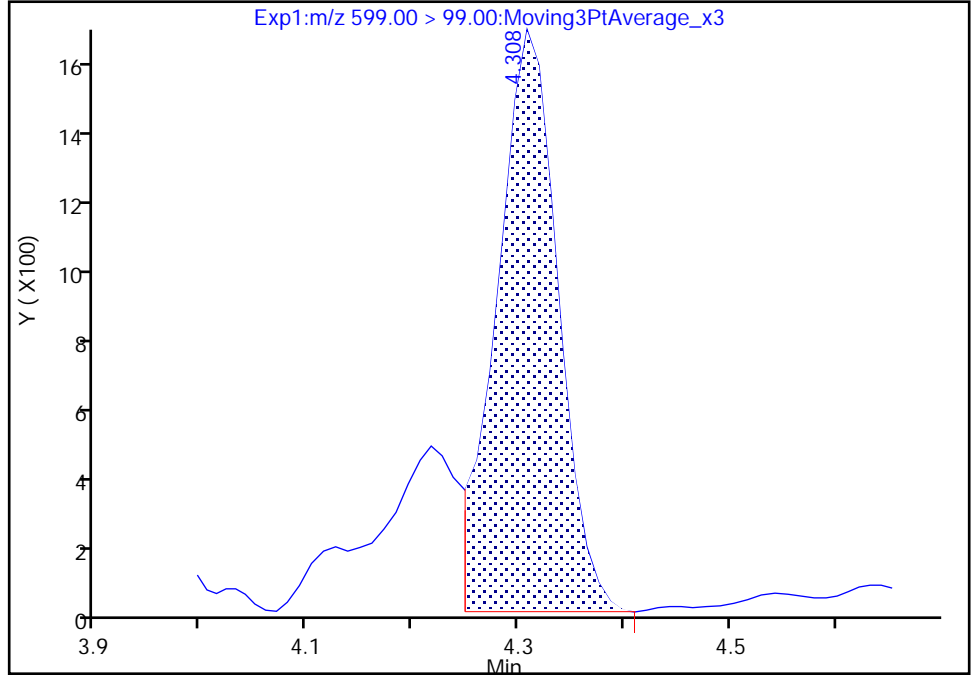
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A25.d
Injection Date: 08-Dec-2022 18:04:53 Instrument ID: LC812
Lims ID: 460-270515-A-2-A Lab Sample ID: 200-270515-2
Client ID: BCS-09-12_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

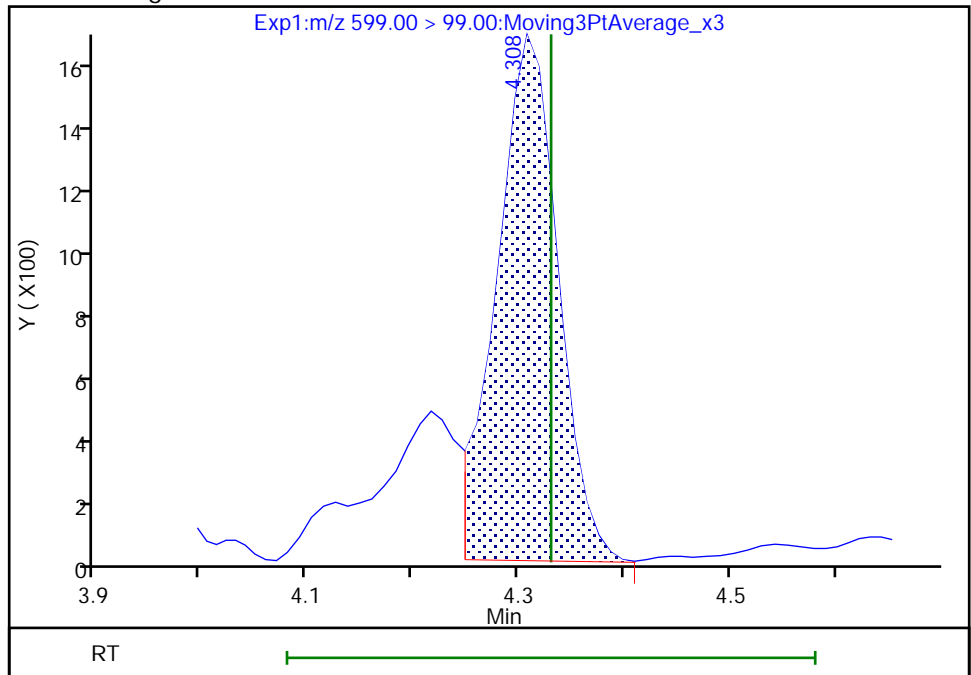
RT: 4.31
Area: 6448
Amount: 0.024543
Amount Units: ng/ml

Processing Integration Results



RT: 4.31
Area: 6438
Amount: 0.024543
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:26:59
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

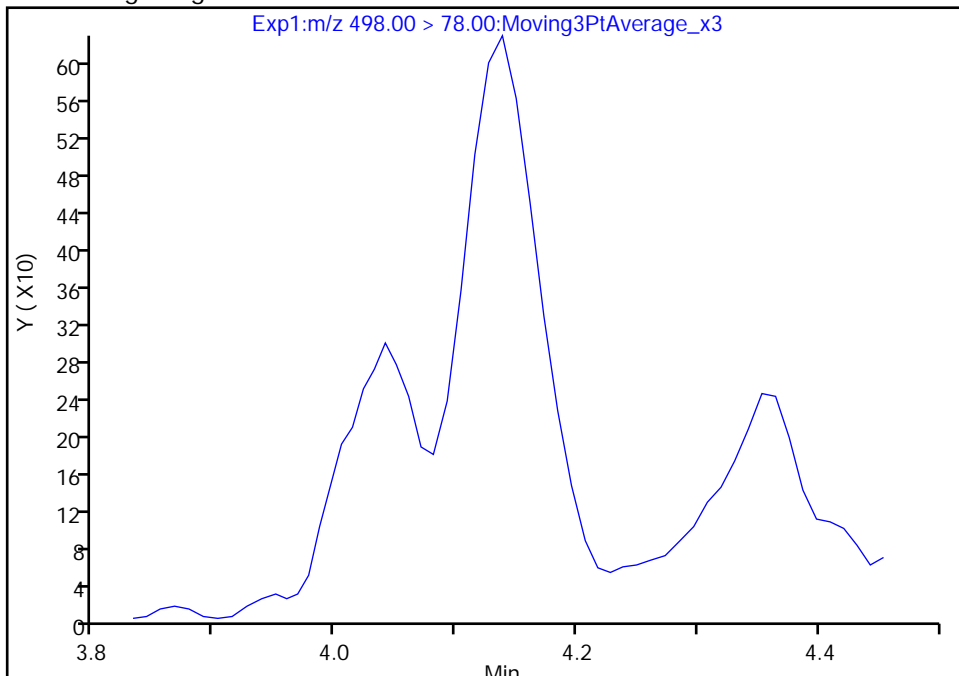
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A25.d
Injection Date: 08-Dec-2022 18:04:53 Instrument ID: LC812
Lims ID: 460-270515-A-2-A Lab Sample ID: 200-270515-2
Client ID: BCS-09-12_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

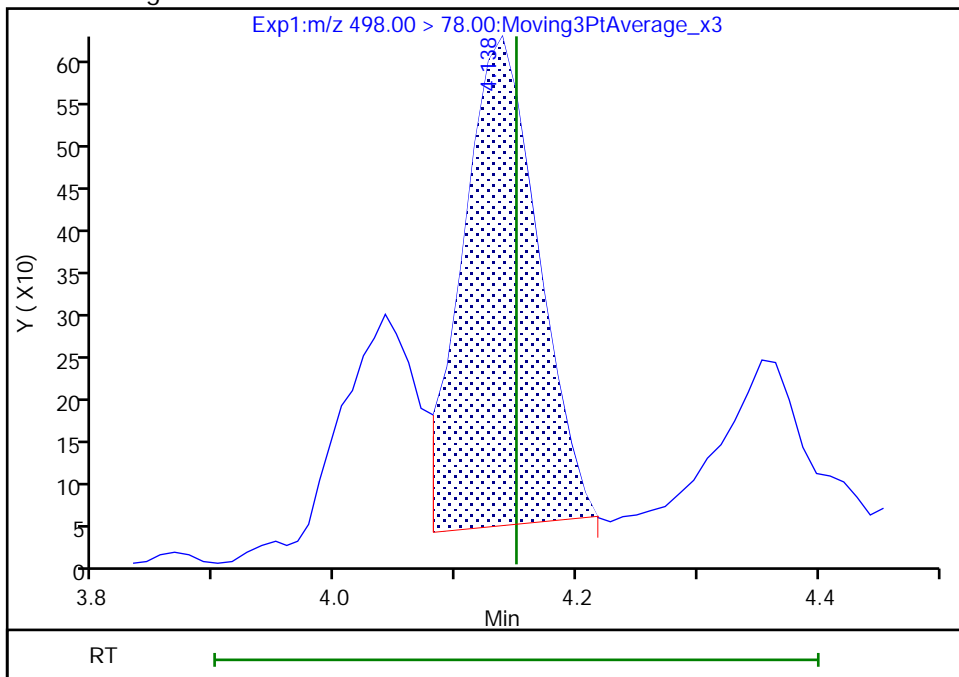
Not Detected
Expected RT: 4.15

Processing Integration Results



Manual Integration Results

RT: 4.14
Area: 2490
Amount: 0.001718
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 17:26:24
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

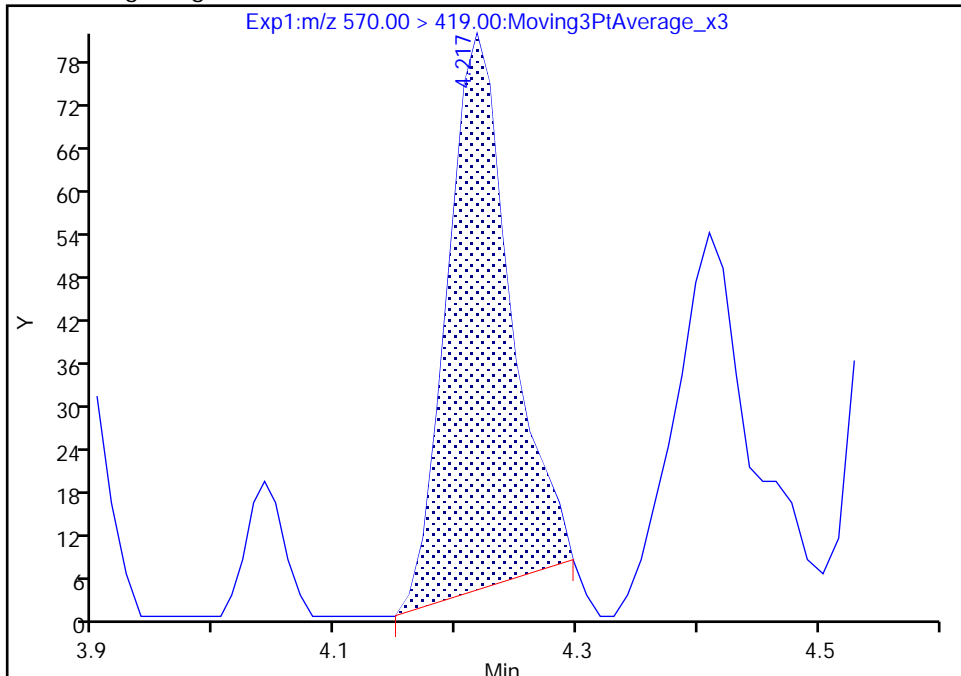
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A25.d
Injection Date: 08-Dec-2022 18:04:53 Instrument ID: LC812
Lims ID: 460-270515-A-2-A Lab Sample ID: 200-270515-2
Client ID: BCS-09-12_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

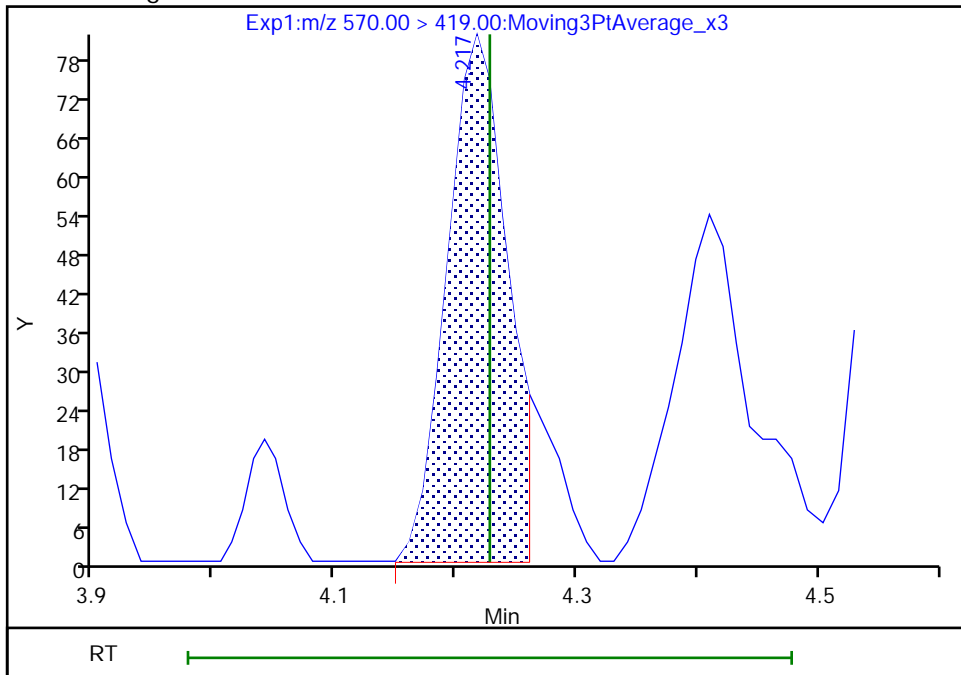
RT: 4.22
Area: 284
Amount: -0.010764
Amount Units: ng/ml

Processing Integration Results



RT: 4.22
Area: 281
Amount: -0.010773
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:26:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

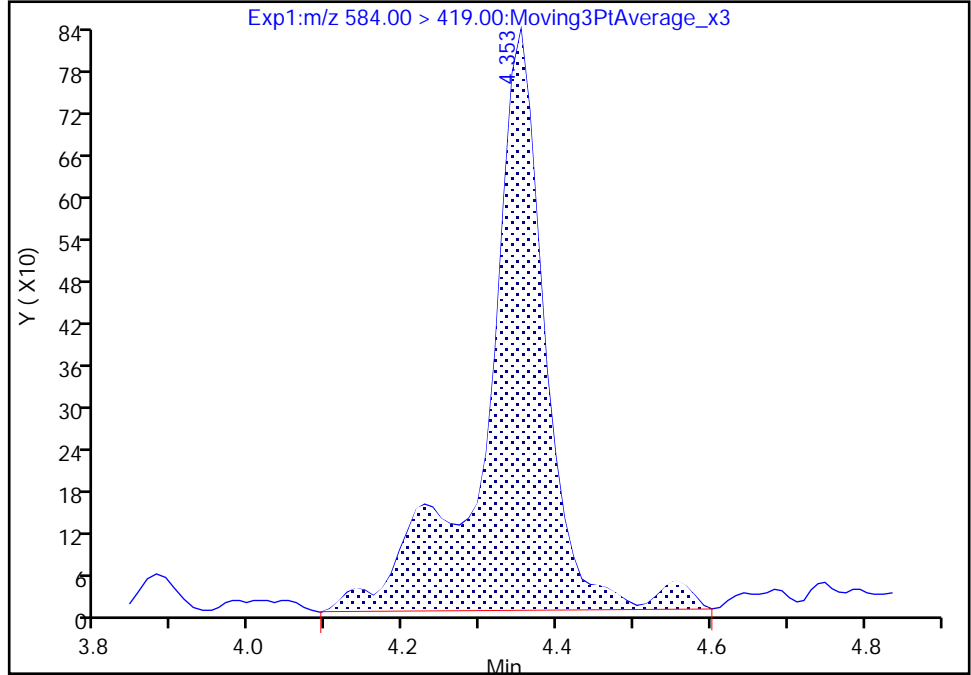
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A25.d
Injection Date: 08-Dec-2022 18:04:53 Instrument ID: LC812
Lims ID: 460-270515-A-2-A Lab Sample ID: 200-270515-2
Client ID: BCS-09-12_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

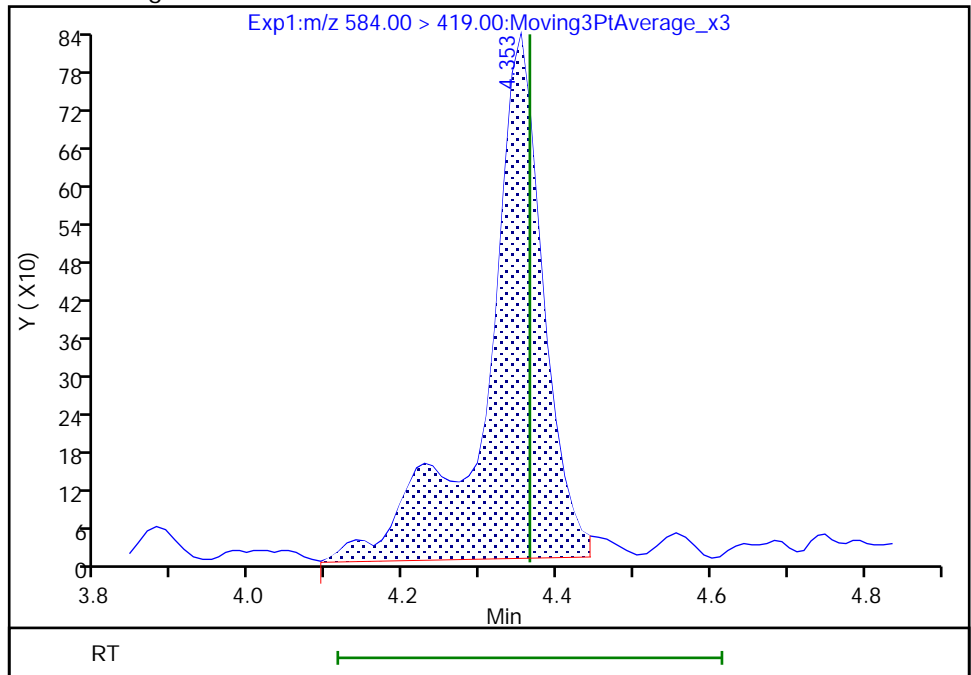
RT: 4.35
Area: 4552
Amount: 0.013671
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 4297
Amount: 0.012905
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:27:18
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

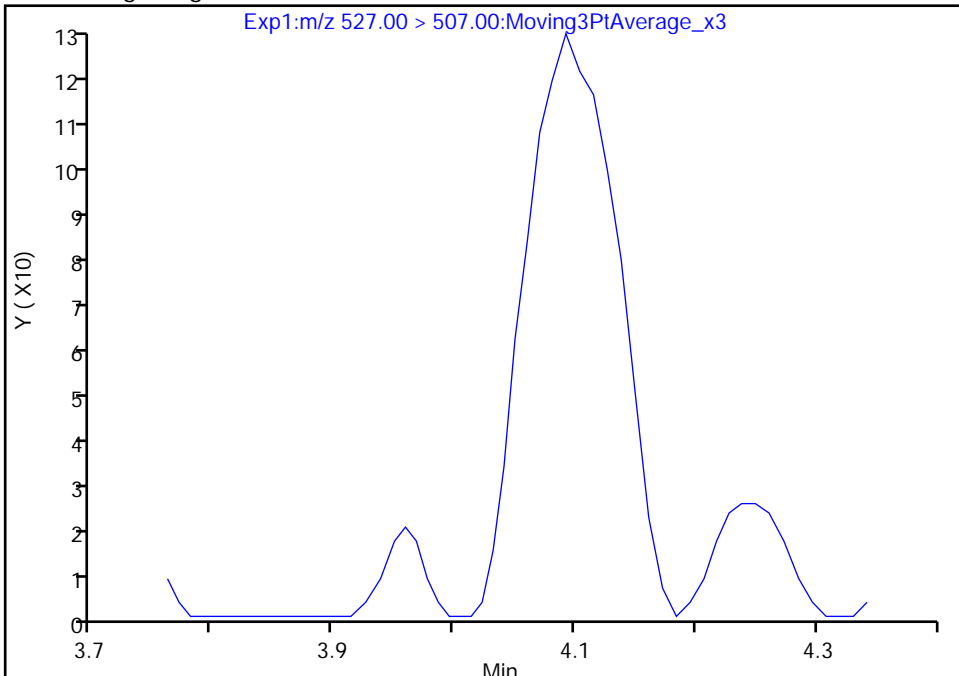
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A25.d
Injection Date: 08-Dec-2022 18:04:53 Instrument ID: LC812
Lims ID: 460-270515-A-2-A Lab Sample ID: 200-270515-2
Client ID: BCS-09-12_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

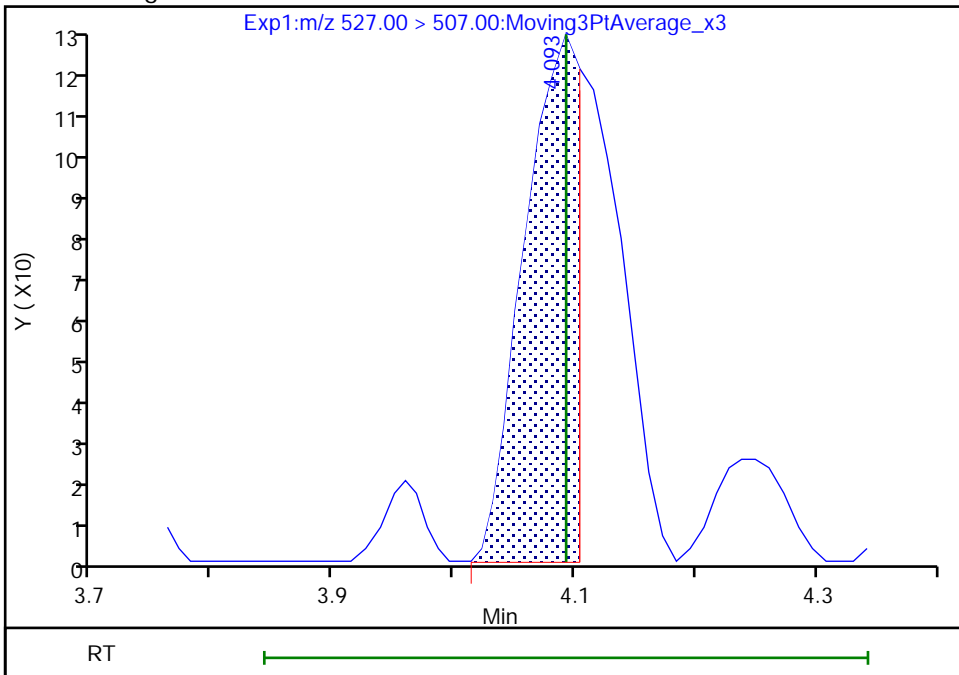
Not Detected
Expected RT: 4.09

Processing Integration Results



Manual Integration Results

RT: 4.09
Area: 372
Amount: 0.000849
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 17:26:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

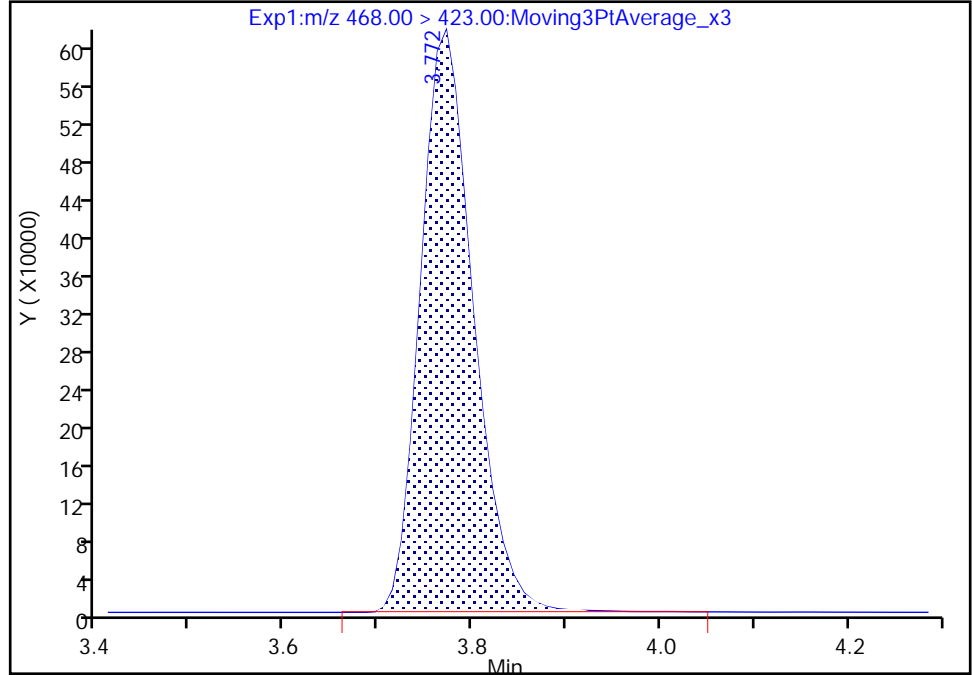
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A25.d
Injection Date: 08-Dec-2022 18:04:53 Instrument ID: LC812
Lims ID: 460-270515-A-2-A Lab Sample ID: 200-270515-2
Client ID: BCS-09-12_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 19 13C5 PFNA, CAS: STL00995
Signal: 1

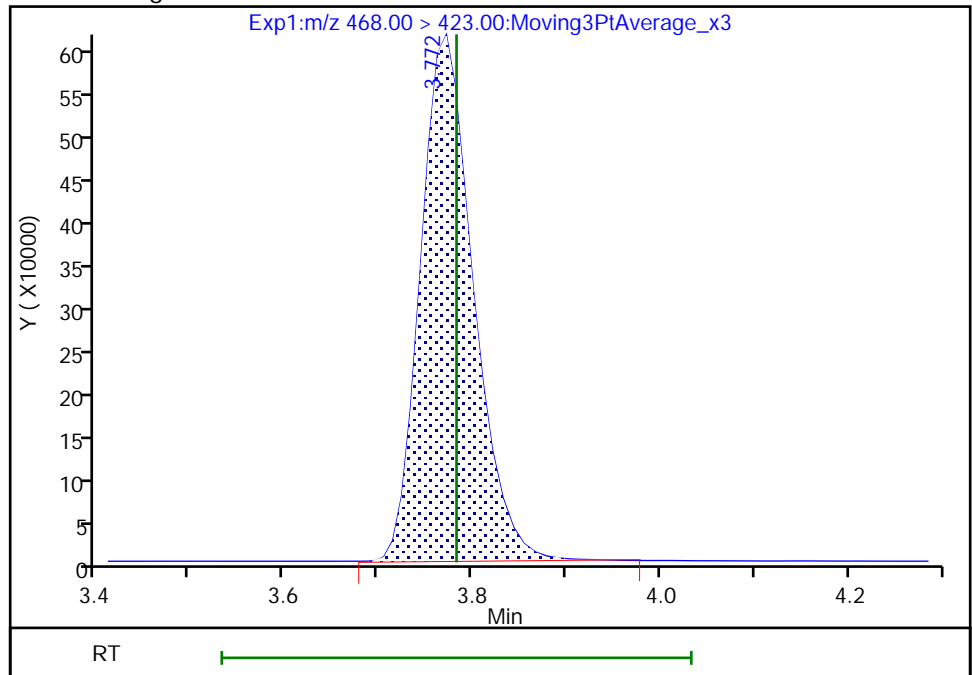
RT: 3.77
Area: 2409896
Amount: 1.161533
Amount Units: ng/ml

Processing Integration Results



RT: 3.77
Area: 2404794
Amount: 1.159709
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:20:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

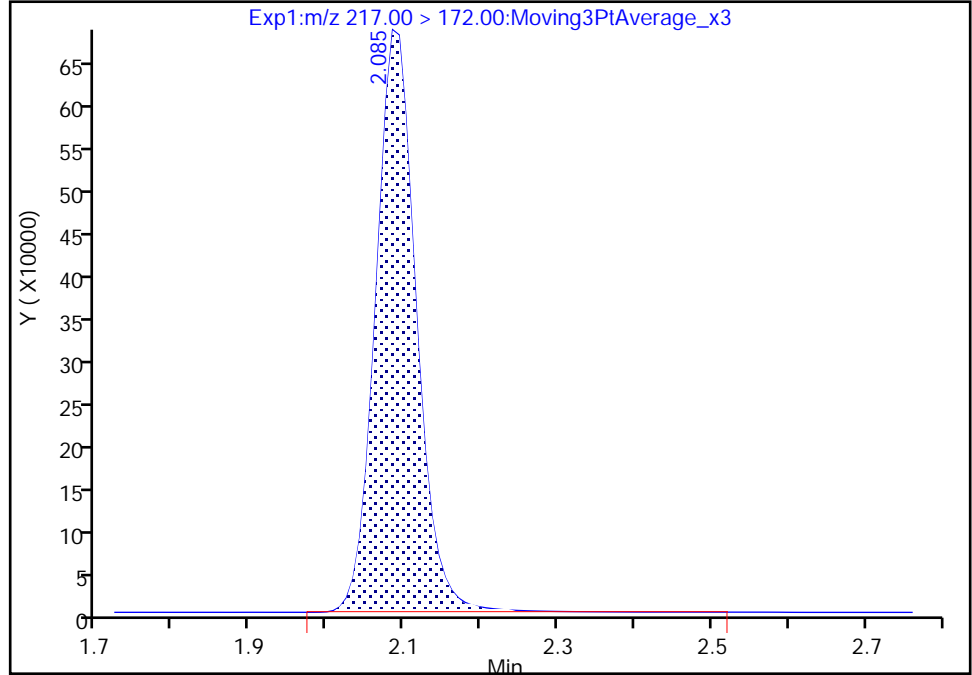
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A25.d
Injection Date: 08-Dec-2022 18:04:53 Instrument ID: LC812
Lims ID: 460-270515-A-2-A Lab Sample ID: 200-270515-2
Client ID: BCS-09-12_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 1 13C4 PFBA, CAS: STL00992
Signal: 1

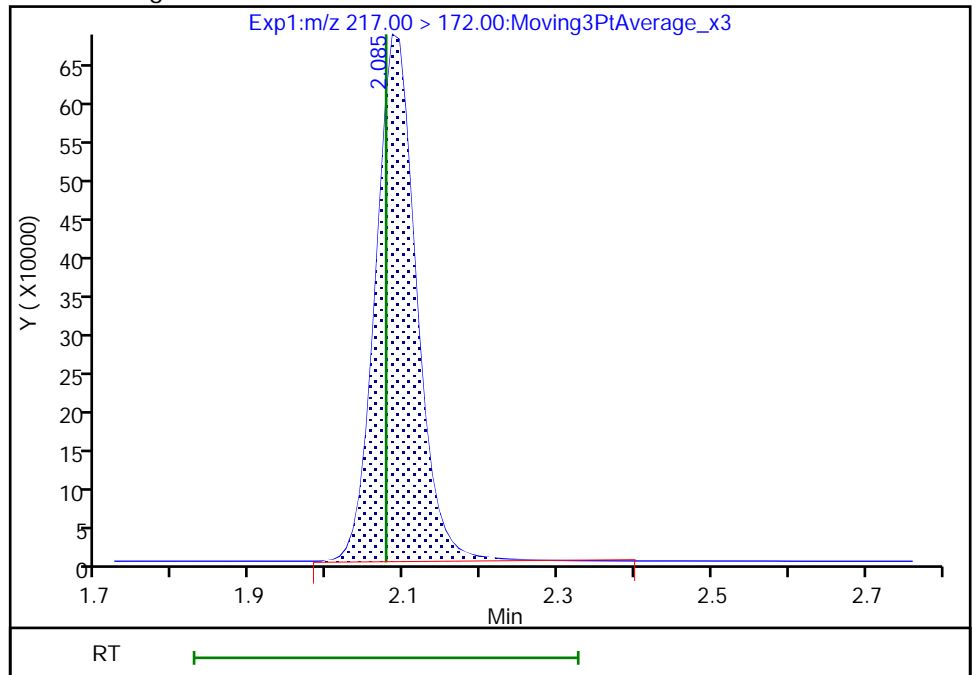
RT: 2.08
Area: 2498792
Amount: 1.079948
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 2496095
Amount: 1.079374
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:17:40
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

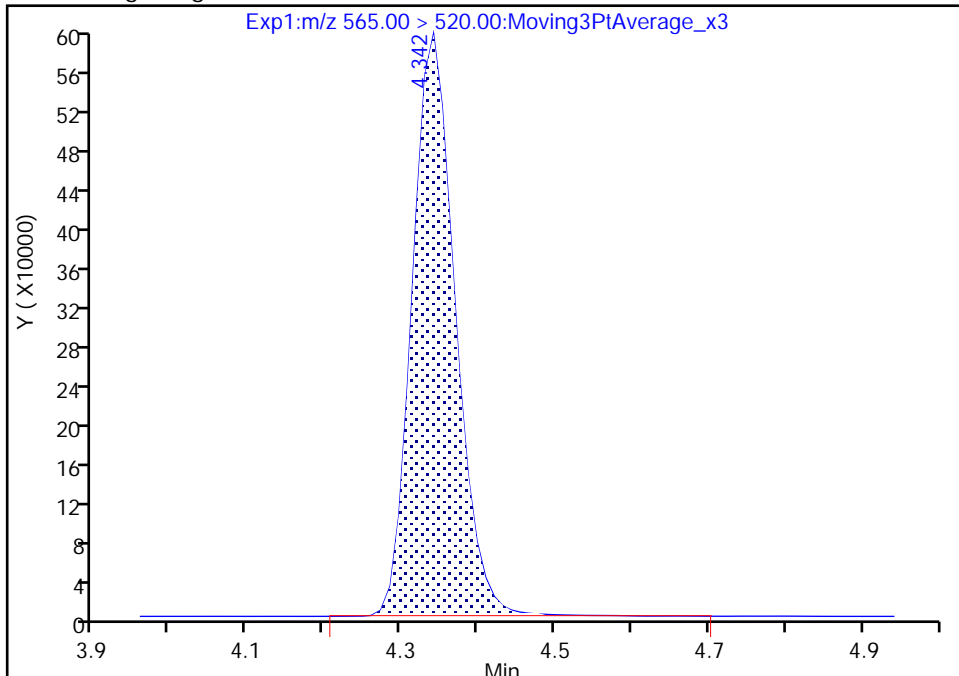
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A25.d
Injection Date: 08-Dec-2022 18:04:53 Instrument ID: LC812
Lims ID: 460-270515-A-2-A Lab Sample ID: 200-270515-2
Client ID: BCS-09-12_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

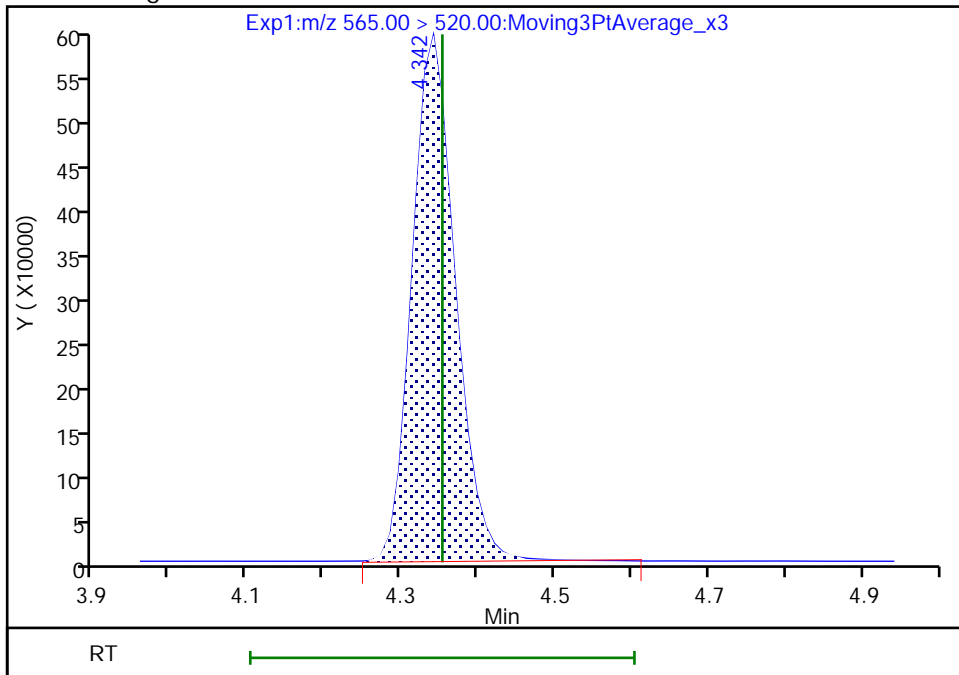
RT: 4.34
Area: 2308319
Amount: 1.192317
Amount Units: ng/ml

Processing Integration Results



RT: 4.34
Area: 2303036
Amount: 1.190240
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:20:40
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

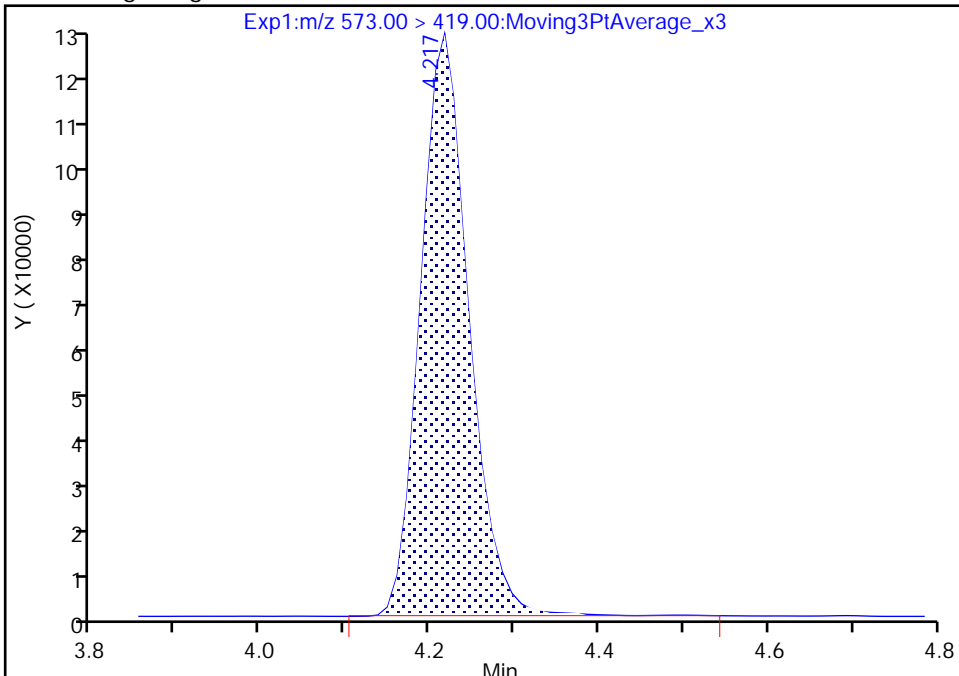
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A25.d
Injection Date: 08-Dec-2022 18:04:53 Instrument ID: LC812
Lims ID: 460-270515-A-2-A Lab Sample ID: 200-270515-2
Client ID: BCS-09-12_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

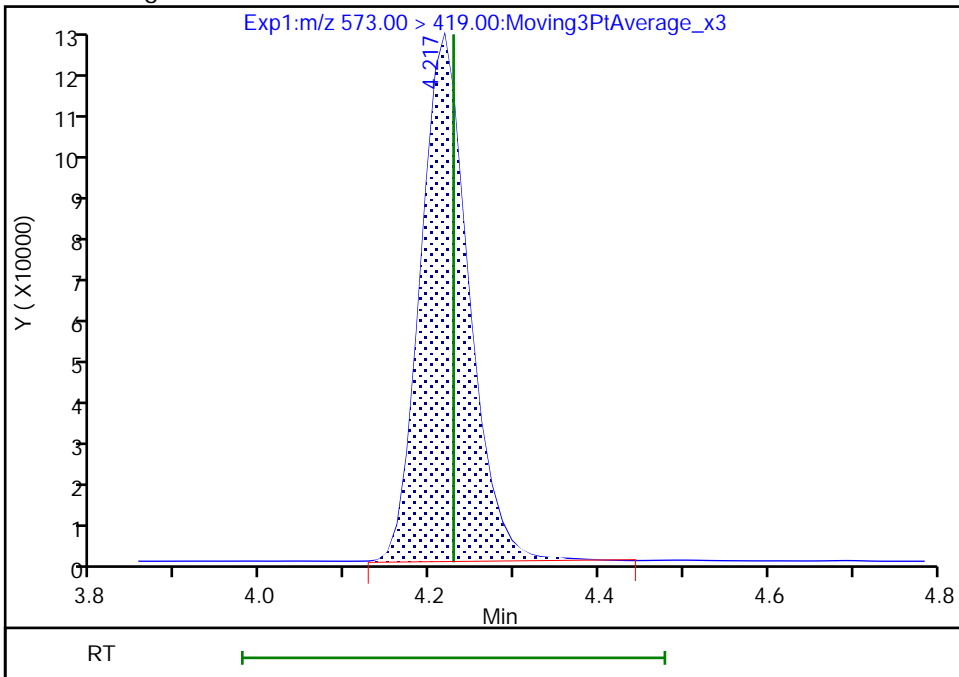
RT: 4.22
Area: 479447
Amount: 1.113757
Amount Units: ng/ml

Processing Integration Results



RT: 4.22
Area: 478158
Amount: 1.111371
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:20:32
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

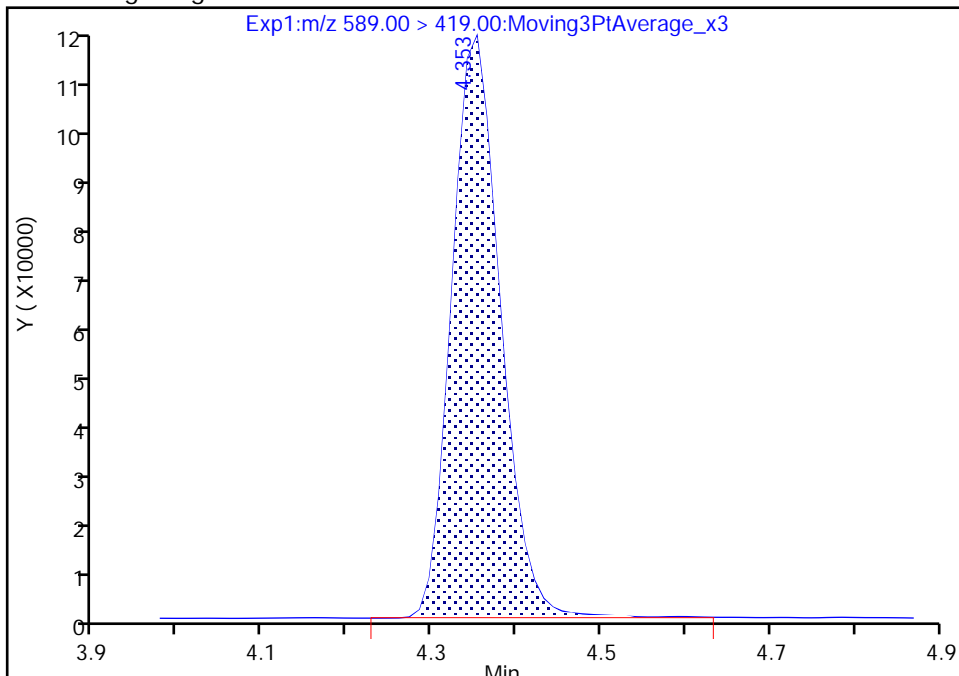
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A25.d
Injection Date: 08-Dec-2022 18:04:53 Instrument ID: LC812
Lims ID: 460-270515-A-2-A Lab Sample ID: 200-270515-2
Client ID: BCS-09-12_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 32 d5-NEtFOSAA, CAS: STL02117

Signal: 1

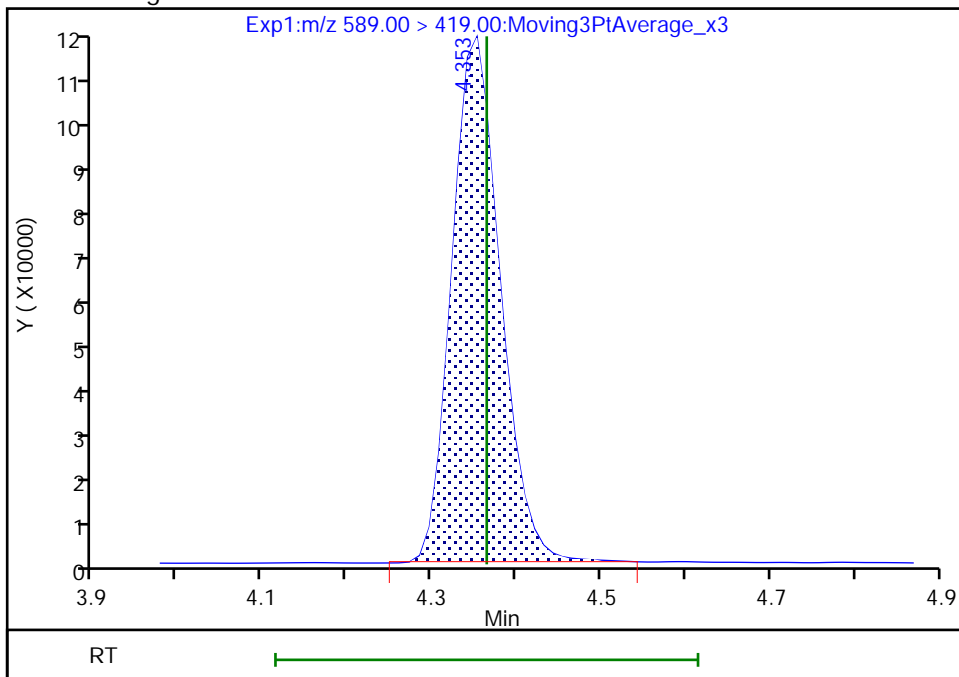
RT: 4.35
Area: 466742
Amount: 1.101142
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 464904
Amount: 1.097407
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:21:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

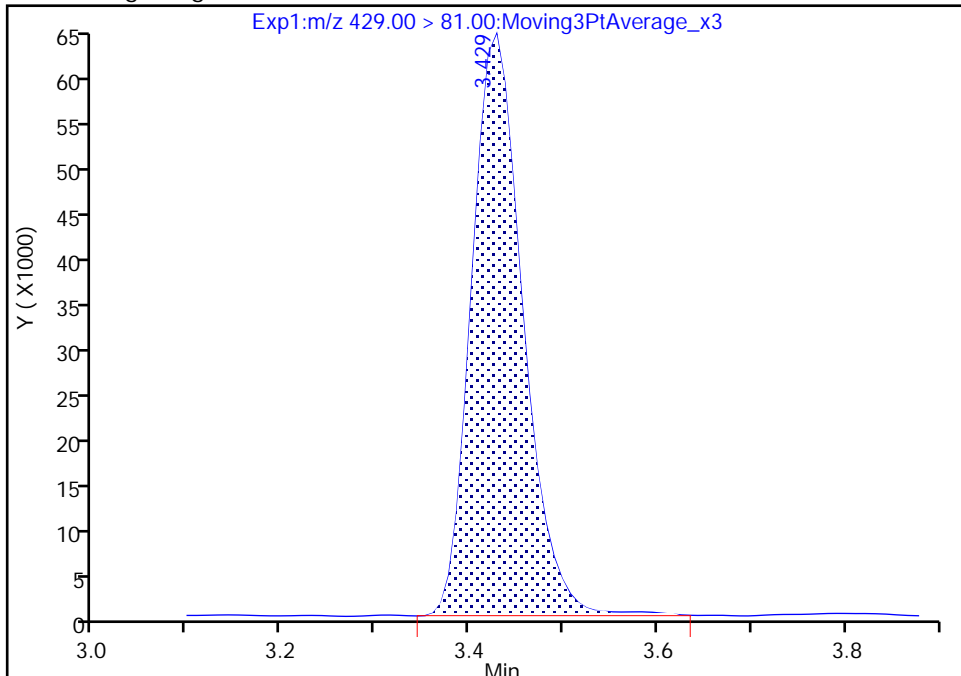
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A25.d
Injection Date: 08-Dec-2022 18:04:53 Instrument ID: LC812
Lims ID: 460-270515-A-2-A Lab Sample ID: 200-270515-2
Client ID: BCS-09-12_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 12 M2-6:2 FTS, CAS: STL02279

Signal: 1

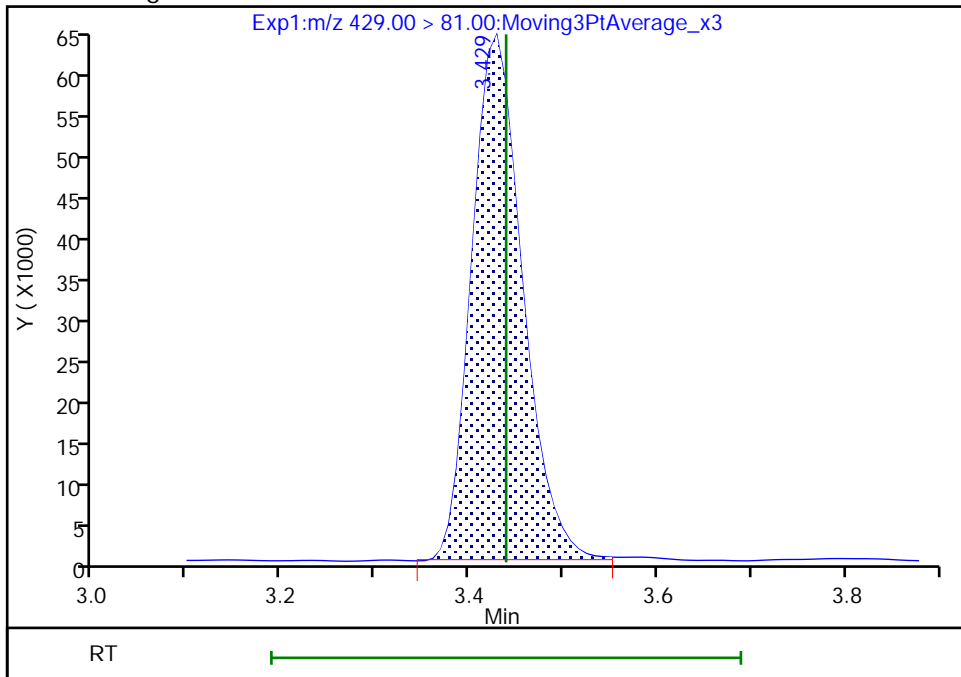
RT: 3.43
Area: 245648
Amount: 1.050312
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 244313
Amount: 1.045176
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:17:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

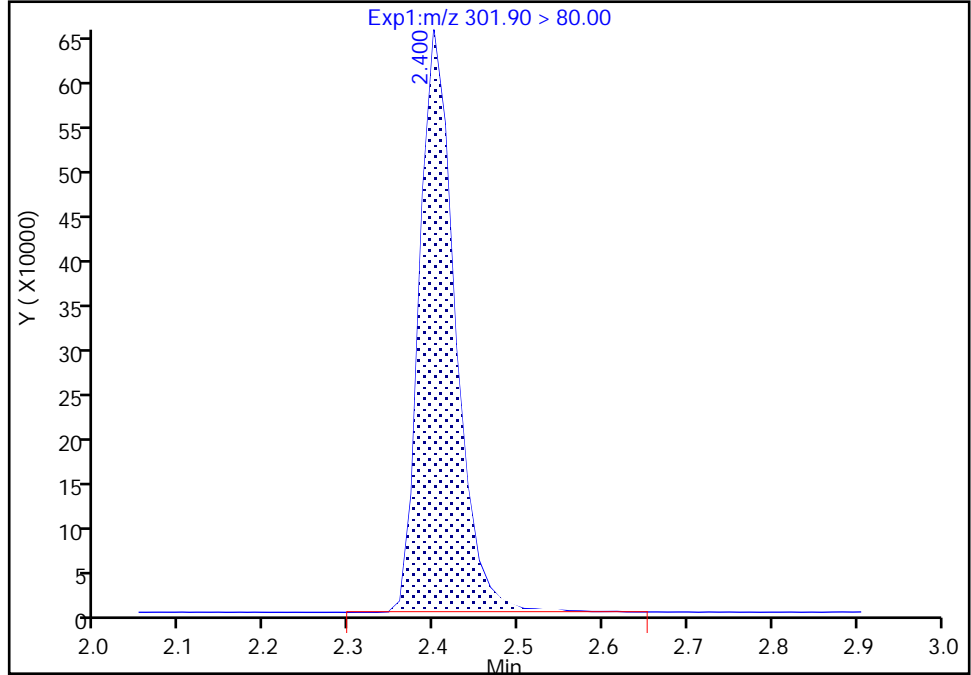
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A25.d
Injection Date: 08-Dec-2022 18:04:53 Instrument ID: LC812
Lims ID: 460-270515-A-2-A Lab Sample ID: 200-270515-2
Client ID: BCS-09-12_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 47 13C3 PFBS, CAS: STL02337
Signal: 1

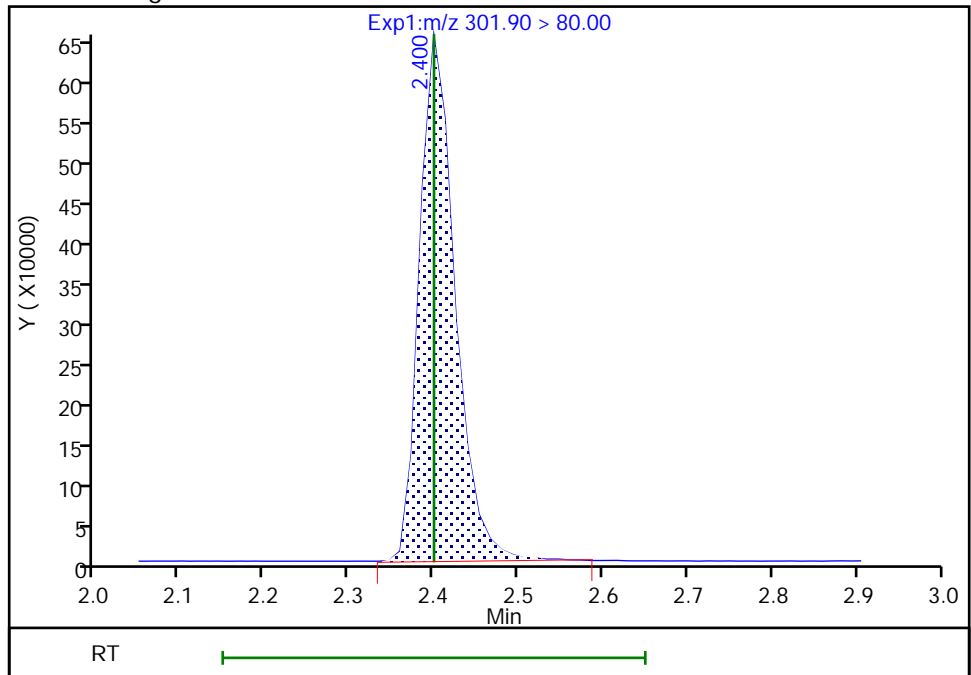
RT: 2.40
Area: 1924056
Amount: 1.004972
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 1918360
Amount: 1.002546
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:17:48
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

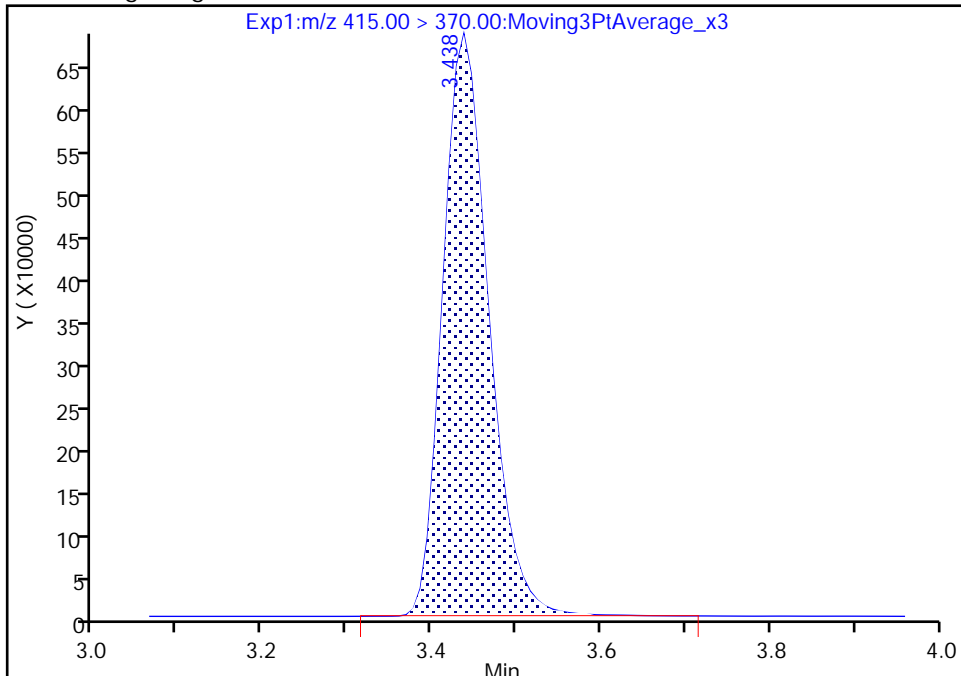
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A25.d
Injection Date: 08-Dec-2022 18:04:53 Instrument ID: LC812
Lims ID: 460-270515-A-2-A Lab Sample ID: 200-270515-2
Client ID: BCS-09-12_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

* 62 13C2 PFOA, CAS: STL00623

Signal: 1

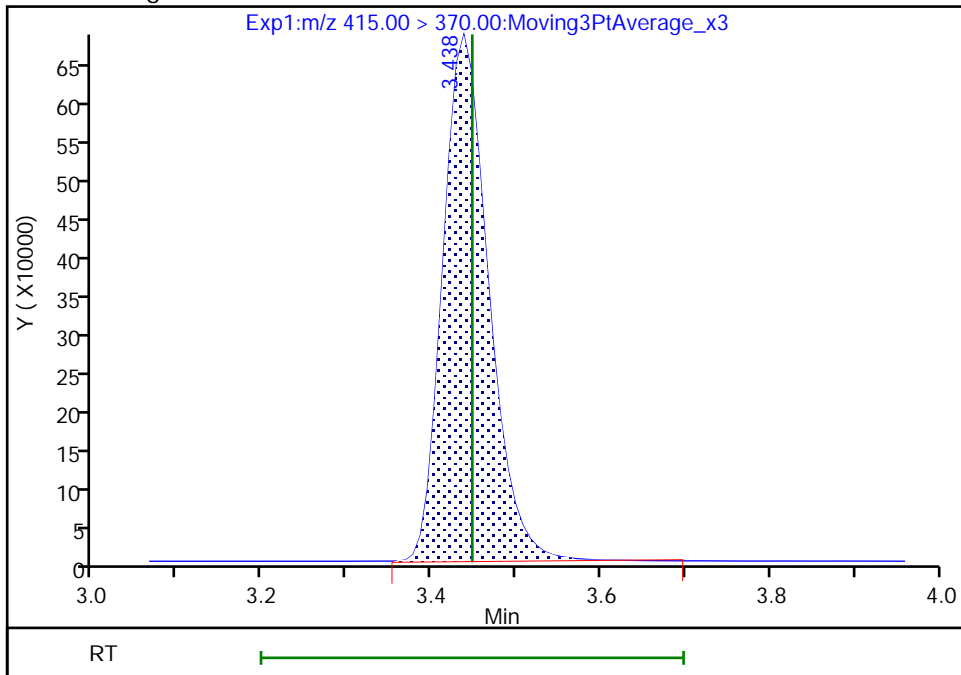
RT: 3.44
Area: 2578464
Amount: 1.250000
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 2577052
Amount: 1.250000
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:21:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Client Sample ID: BCS-09-13_(5-5.5)P Lab Sample ID: 460-270515-3
 Matrix: Solid Lab File ID: PA221208A26.d
 Analysis Method: 537 (modified) Date Collected: 12/01/2022 12:01
 Extraction Method: SHAKE Date Extracted: 12/07/2022 08:59
 Sample wt/vol: 5.24(g) Date Analyzed: 12/08/2022 18:13
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: 18.4 % Solids: 81.6 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186513 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.58	U	0.58	0.39
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.068	J	0.23	0.064
307-24-4	Perfluorohexanoic acid (PFHxA)	0.075	J	0.23	0.054
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.23	U	0.23	0.046
335-67-1	Perfluorooctanoic acid (PFOA)	0.10	J	0.23	0.068
375-95-1	Perfluorononanoic acid (PFNA)	0.23	U	0.23	0.040
335-76-2	Perfluorodecanoic acid (PFDA)	0.040	J	0.23	0.033
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.23	U	0.23	0.032
307-55-1	Perfluorododecanoic acid (PFDoA)	0.031	J	0.23	0.029
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.23	U	0.23	0.029
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.23	U	0.23	0.030
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.23	U	0.23	0.039
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.23	U	0.23	0.048
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.23	U	0.23	0.027
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.23	U	0.23	0.13
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.15	J	0.23	0.022
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.23	U	0.23	0.040
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.34	U	2.34	0.13
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.34	U	2.34	0.097
27619-97-2	6:2 FTS	2.34	U	2.34	0.067
39108-34-4	8:2 FTS	2.34	U	2.34	0.043

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Client Sample ID: BCS-09-13_(5-5.5)P Lab Sample ID: 460-270515-3
 Matrix: Solid Lab File ID: PA221208A26.d
 Analysis Method: 537 (modified) Date Collected: 12/01/2022 12:01
 Extraction Method: SHAKE Date Extracted: 12/07/2022 08:59
 Sample wt/vol: 5.24(g) Date Analyzed: 12/08/2022 18:13
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: 18.4 % Solids: 81.6 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186513 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	90		50-150
STL01892	13C4 PFHpA	89		50-150
STL00990	13C4 PFOA	91		50-150
STL00991	13C4 PFOS	86		50-150
STL00995	13C5 PFNA	93		50-150
STL00992	13C4 PFBA	83		50-150
STL00993	13C2 PFHxA	90		50-150
STL00996	13C2 PFDA	93		50-150
STL00997	13C2 PFUnA	95		50-150
STL00998	13C2 PFDoA	93		50-150
STL01056	13C8 FOSA	82		50-150
STL01893	13C5 PFPeA	82		50-150
STL02116	13C2 PFTeDA	102		50-150
STL02118	d3-NMeFOSAA	89		50-150
STL02117	d5-NEtFOSAA	94		50-150
STL02279	M2-6:2 FTS	91		50-150
STL02280	M2-8:2 FTS	102		50-150
STL02337	13C3 PFBS	90		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A26.d
 Lims ID: 460-270515-A-3-A
 Client ID: BCS-09-13_(5-5.5)P
 Sample Type: Client
 Inject. Date: 08-Dec-2022 18:13:04 ALS Bottle#: 23 Worklist Smp#: 26
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 460-270515-A-3-A
 Misc. Info.: 200-0053607-026 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 13-Dec-2022 09:03:28 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1634

First Level Reviewer: nampitakw Date: 09-Dec-2022 17:33:44
 Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										M
217.00 > 172.00	2.093	2.076	0.017	0.610	2456653	1.04		83.4	10487	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.102	2.076	0.026	1.004	82348	0.0406			7.5	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.386	2.387	-0.001	0.696	1836601	1.02		81.9	3087	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.386	2.387	-0.001	1.000	46897	0.0293			1.0	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.400	2.400	0.0	0.700	2028402	1.04		89.5	168534	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.413	2.400	0.013	1.006	3697	0.001852	Target=2.09		2.0	M
298.90 > 99.00	2.413	2.400	0.013	1.006	1818		2.03(1.04-3.13)		0.6	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.725	2.725	0.0	0.795	2124347	1.13		90.4	4834	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.725	2.725	0.0	1.000	59549	0.0322	Target=14.25		8.3	M
313.00 > 119.00	2.725	2.725	0.0	1.000	2959		20.12(7.12-21.37)		5.6	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.076	3.088	-0.012	0.897	1513233	1.07		90.1	5850	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.087	3.088	-0.001	1.004	9787	0.006776	Target=3.66		7.4	M
399.00 > 99.00	3.076	3.088	-0.012	1.000	2720		3.60(1.83-5.49)		2.1	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.076	3.099	-0.023	0.897	2160657	1.12		89.4	5582	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.076	3.099	-0.023	1.000	23787	0.0126	Target=3.97		3.1	
363.00 > 169.00	3.087	3.099	-0.012	1.004	8145		2.92(1.98-5.95)		16.2	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.420	3.439	-0.019	0.997	256957	1.08		90.9	324	M
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.420	3.439	-0.019	1.000	2733	-0.005894		14.0		M
D 14 13C4 PFOA										
417.00 > 372.00	3.429	3.448	-0.019	1.000	2461713	1.13		90.6	3968	
* 62 13C2 PFOA										
415.00 > 370.00	3.429	3.448	-0.019		2625057	1.25			5682	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.429	3.448	-0.019	1.000	92147	0.0438	Target=2.79		5.6	M
413.00 > 169.00	3.429	3.448	-0.019	1.000	30533		3.02(1.40-4.19)		46.4	M
D 18 13C4 PFOS										
503.00 > 80.00	3.743	3.764	-0.021	1.092	994346	1.03		86.4	1633	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.743	3.764	-0.021	1.000	43390	0.0429	Target=5.11		32.6	M
499.00 > 99.00	3.743	3.764	-0.021	1.000	15714		2.76(2.55-7.66)		16.6	M
20 Perfluorononanoic acid										RMa
463.00 > 419.00	3.772	3.783	-0.011	1.003	8582	0.004213	Target=8.55		2.0	RM
463.00 > 169.00	3.763	3.783	-0.020	1.000	2084		4.12(4.28-12.83)		13.9	M
D 19 13C5 PFNA										
468.00 > 423.00	3.763	3.783	-0.020	1.097	2454838	1.16		93.0	7341	
D 23 13C2 PFDA										M
515.00 > 470.00	4.061	4.081	-0.020	1.184	2511319	1.17		93.3	4381	M
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.061	4.081	-0.020	1.000	37451	0.0172	Target=10.26		10.1	M
513.00 > 169.00	4.071	4.081	-0.010	1.003	4078		9.18(5.13-15.38)		12.0	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.071	4.093	-0.022	1.187	356393	1.22		102	617	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.061	4.093	-0.032	0.997	1303	0.002708			20.5	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.138	4.150	-0.012	1.003	4816	0.003172			15.0	M
D 21 13C8 FOSA										M
506.00 > 78.00	4.127	4.150	-0.023	1.204	1816801	1.03		82.4	2756	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.217	4.228	-0.011	1.230	487333	1.11		89.0	2346	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.217	4.228	-0.011	1.000	1933	-0.005863			5.9	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.308	4.331	-0.023	1.151	37492	0.0622	Target=2.51		18.8	M
599.00 > 99.00	4.308	4.331	-0.023	1.151	15672		2.39(1.25-3.76)		25.8	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.342	4.353	-0.011	1.266	2333123	1.18		94.7	3513	
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.342	4.353	-0.011	1.000	10376	0.005516	Target=9.88		3.0	M
563.00 > 169.00	4.342	4.353	-0.011	1.000	1350		7.69(4.94-14.82)		14.2	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.353	4.365	-0.012	1.003	12076	0.0334			112	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.342	4.365	-0.023	1.266	504499	1.17		93.5	1094	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.580	4.591	-0.011	1.000	26196	0.0132	Target=7.77		2.9	
613.00 > 169.00	4.580	4.591	-0.011	1.000	2810		9.32(3.89-11.66)		28.6	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.580	4.591	-0.011	1.336	2338355	1.16		93.2	2828	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.794	4.804	-0.010	1.047	13107	0.006915	Target=5.21		1.6	M
663.00 > 169.00	4.794	4.804	-0.010	1.047	3181		4.12(2.60-7.81)		25.2	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	4.992	5.012	-0.020	1.000	1446	0.005955	Target=0.89		12.5	M
713.00 > 219.00	4.992	5.012	-0.020	1.000	1853		0.78(0.44-1.33)		22.6	
D 43 13C2 PFTeDA										
715.00 > 670.00	4.992	5.012	-0.020	1.456	2217161	1.28		102	6057	

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

a - User Assigned ID

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A26.d

Injection Date: 08-Dec-2022 18:13:04

Instrument ID: LC812

Lims ID: 460-270515-A-3-A

Lab Sample ID: 200-270515-3

Client ID: BCS-09-13_(5-5.5)P

Operator ID: lc812tech

ALS Bottle#: 23

Worklist Smp#: 26

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

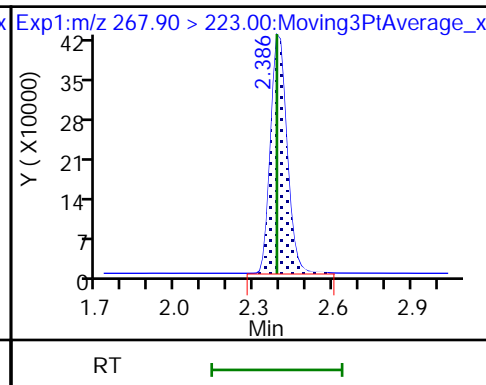
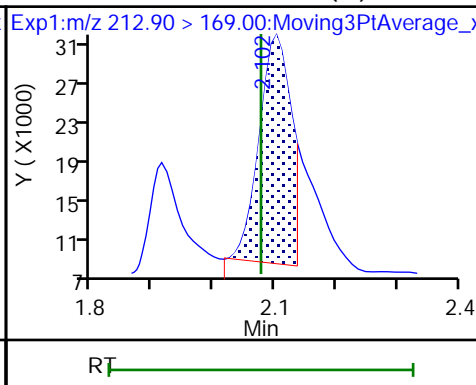
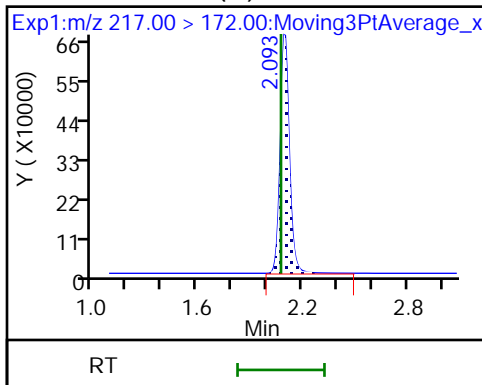
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA (M)

2 Perfluorobutanoic acid (M)

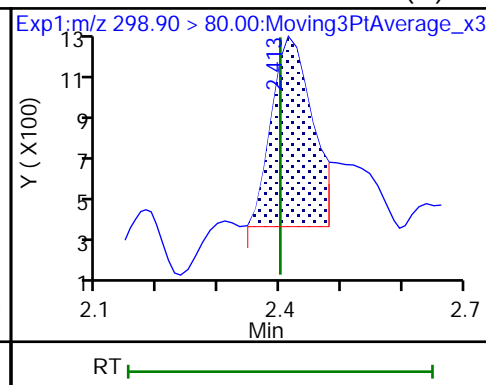
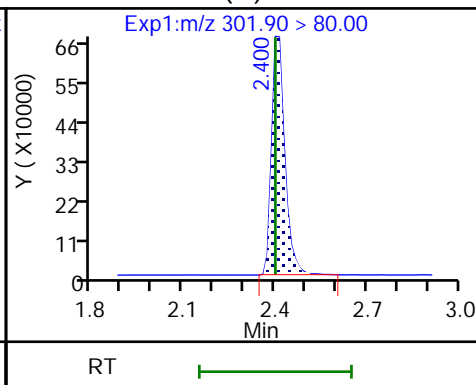
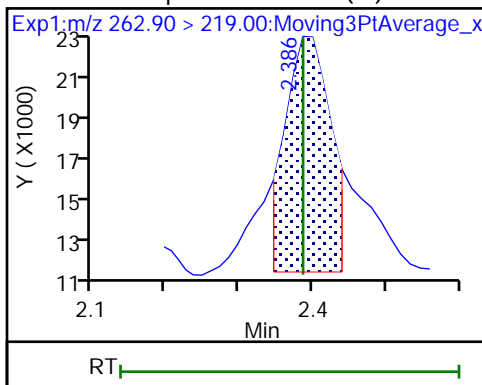
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS (M)

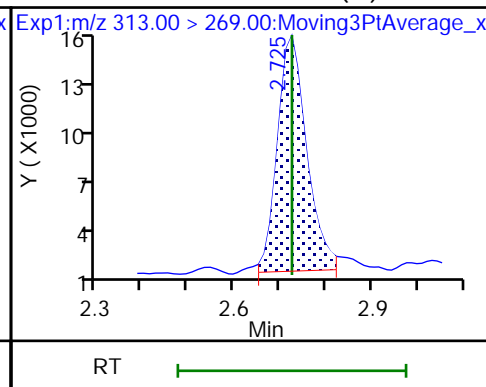
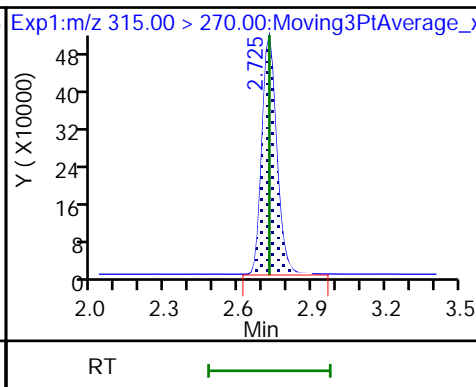
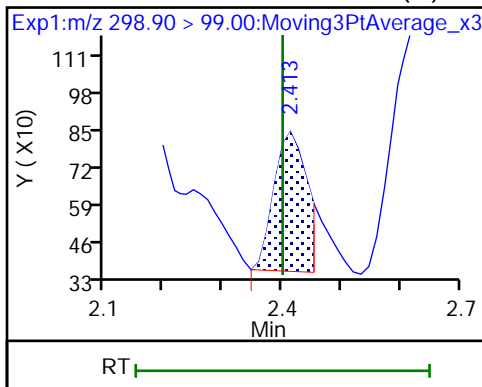
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

D 7 13C2 PFHxA

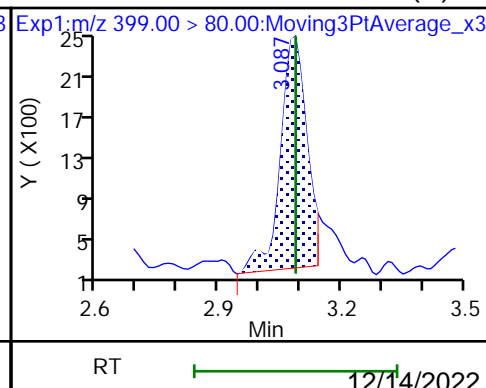
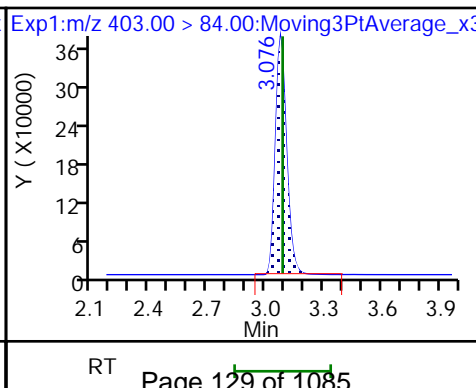
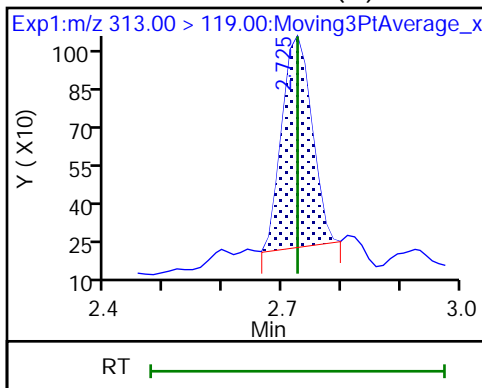
6 Perfluorohexanoic acid (M)



6 Perfluorohexanoic acid (M)

D 11 18O2 PFHxS

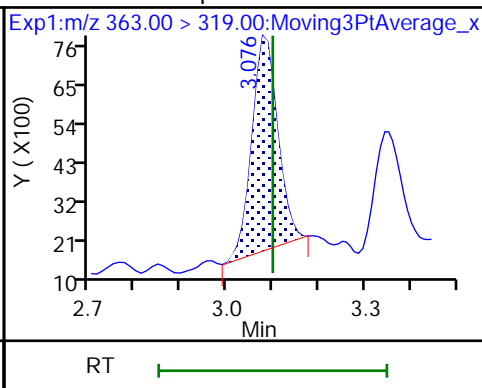
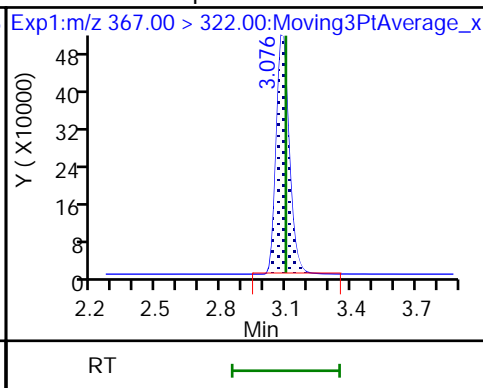
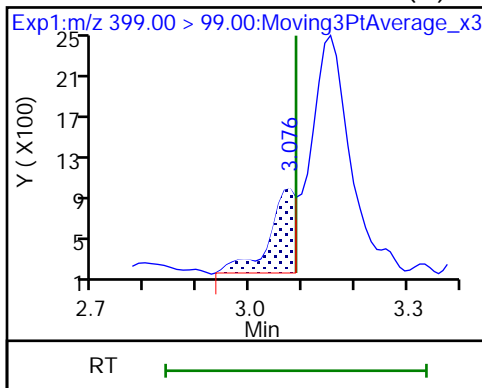
8 Perfluorohexanesulfonic acid (M)



8 Perfluorohexanesulfonic acid (M)

D 9 13C4 PFHpA

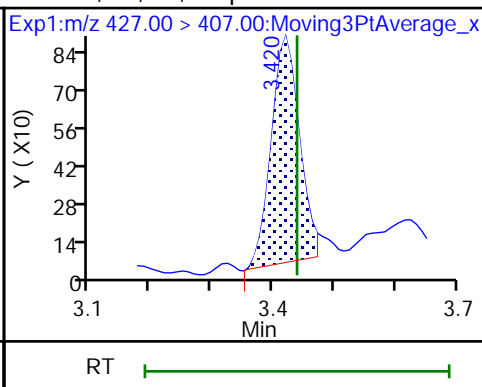
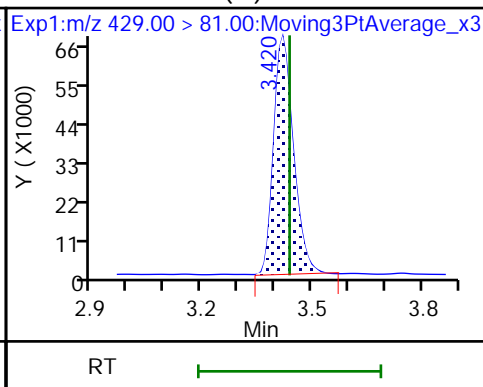
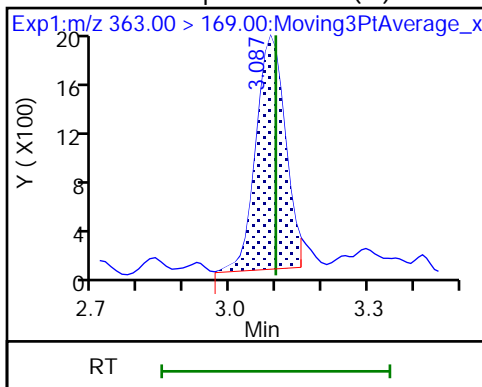
10 Perfluoroheptanoic acid



10 Perfluoroheptanoic acid (M)

D 12 M2-6:2 FTS (M)

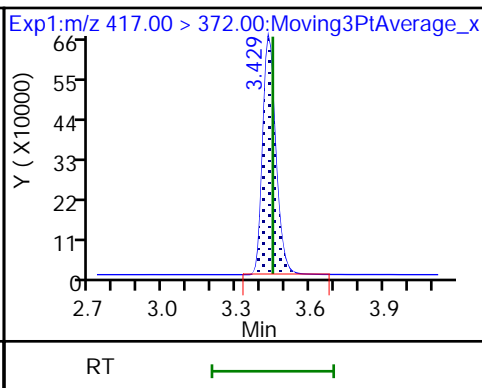
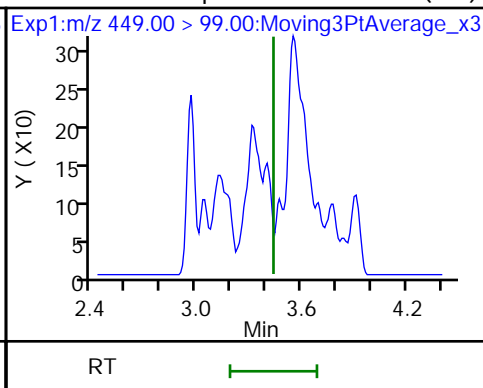
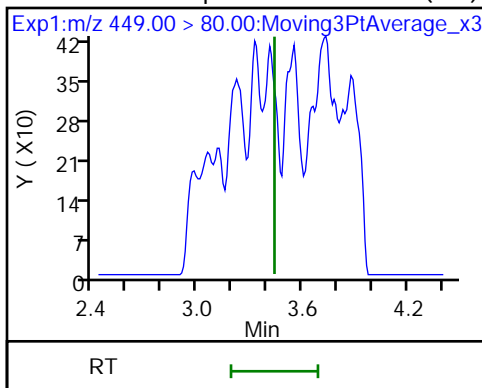
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



16 Perfluoroheptanesulfonic acid (ND)

16 Perfluoroheptanesulfonic acid (ND)

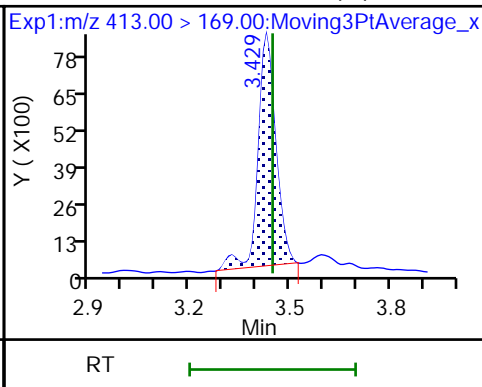
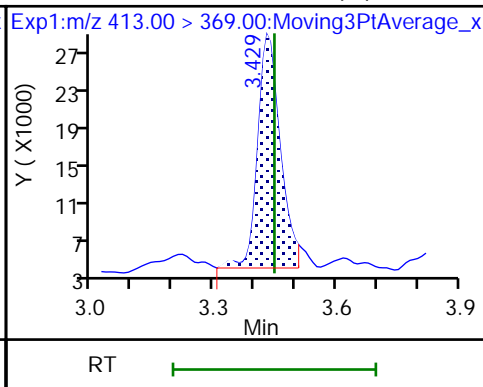
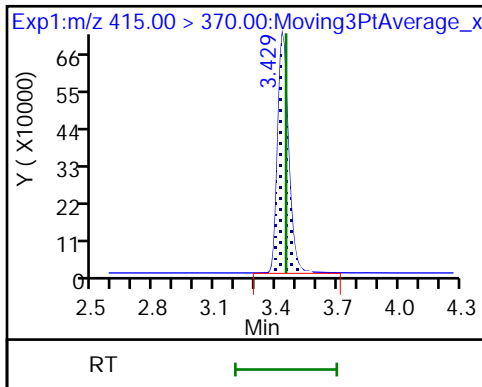
D 14 13C4 PFOA



* 62 13C2 PFOA

15 Perfluorooctanoic acid (M)

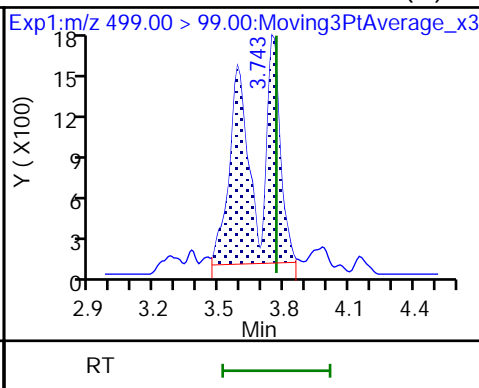
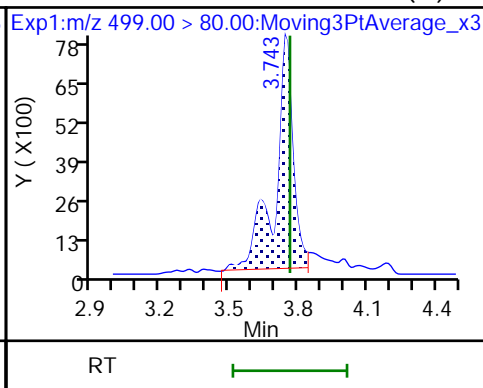
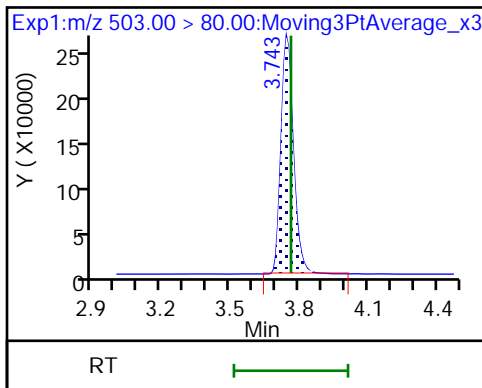
15 Perfluorooctanoic acid (M)



D 18 13C4 PFOS

17 Perfluorooctanesulfonic acid (M)

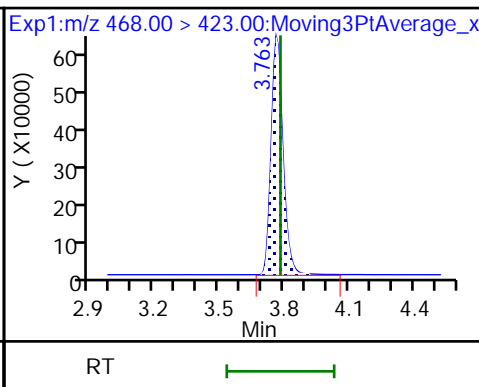
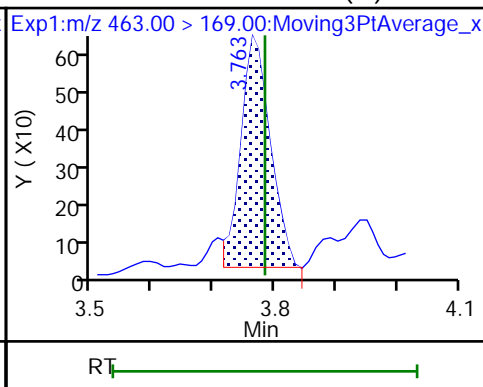
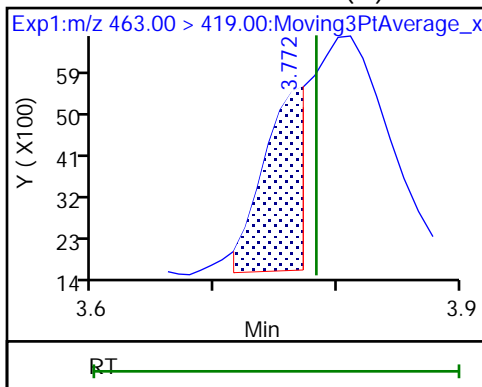
17 Perfluorooctanesulfonic acid (M)



20 Perfluorononanoic acid (M)

20 Perfluorononanoic acid (M)

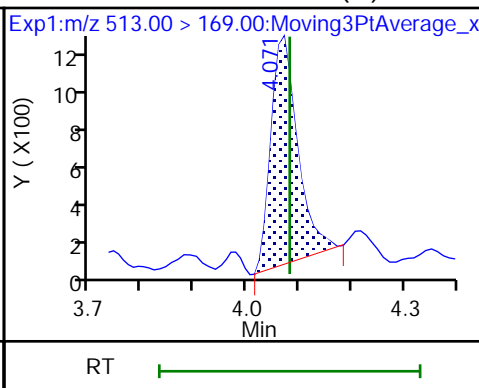
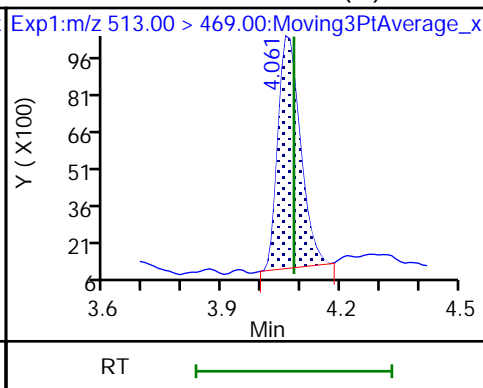
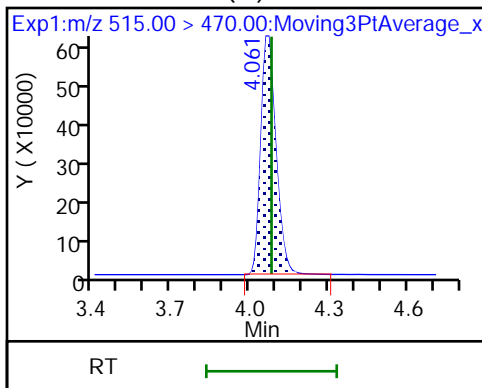
D 19 13C5 PFNA



D 23 13C2 PFDA (M)

24 Perfluorodecanoic acid (M)

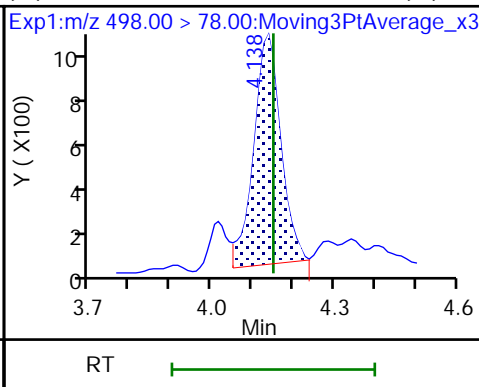
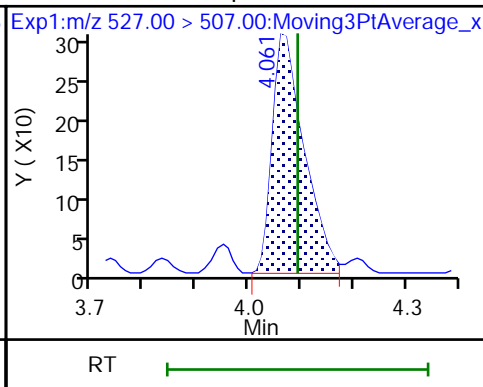
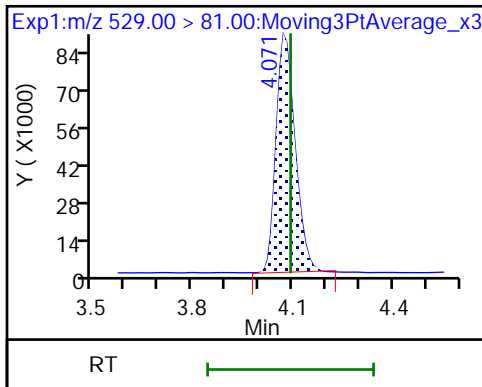
24 Perfluorodecanoic acid (M)



D 26 M2-8:2 FTS

25 1H,1H,2H,2H-perfluorodecanesulfo (M)

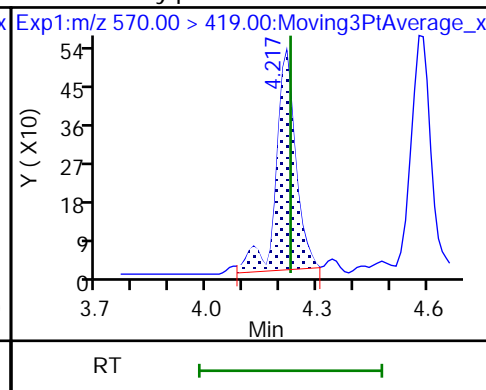
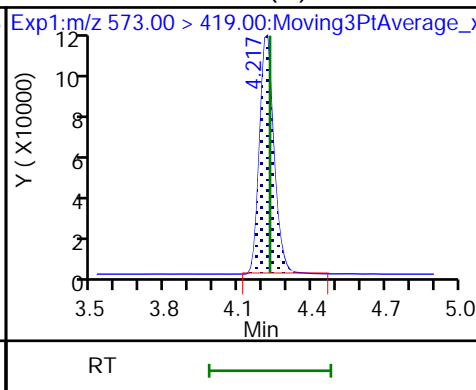
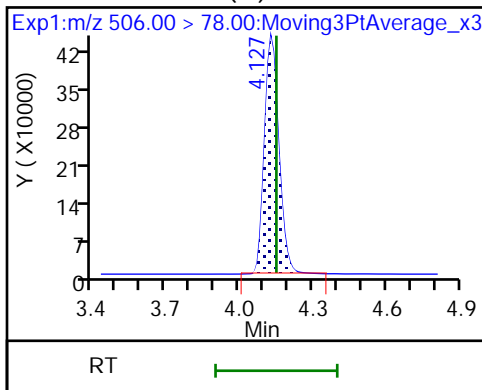
22 Perfluorooctanesulfonamide (M)



D 21 13C8 FOSA (M)

D 27 d3-NMeFOSAA (M)

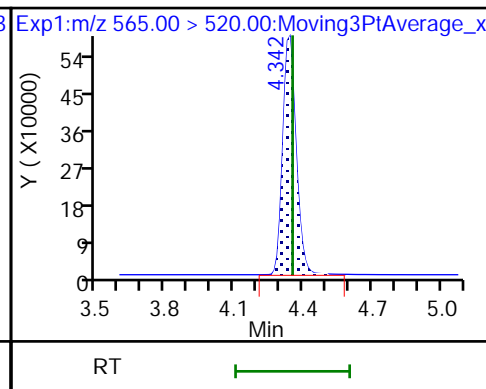
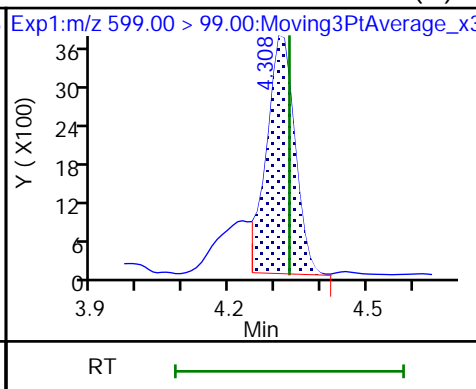
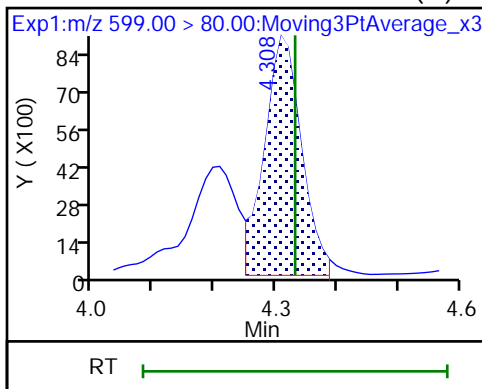
28 N-methylperfluorooctanesulfonami (M)



29 Perfluorodecanesulfonic acid (M)

29 Perfluorodecanesulfonic acid (M)

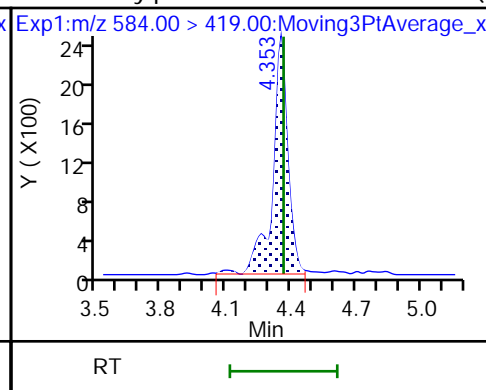
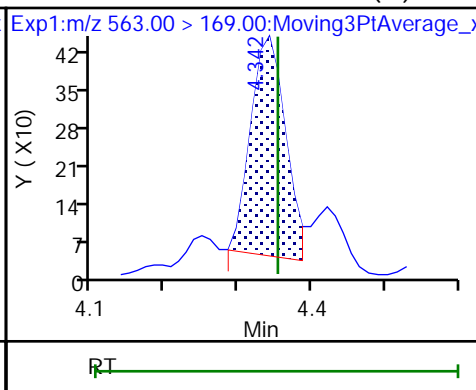
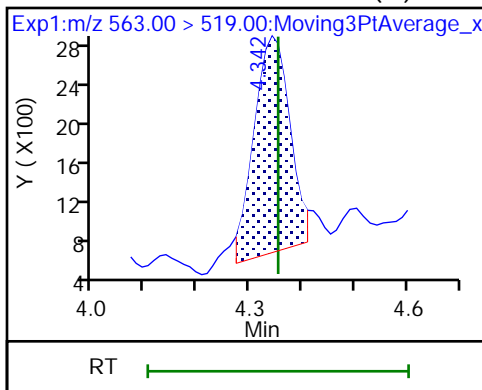
D 30 13C2 PFUnA



31 Perfluoroundecanoic acid (M)

31 Perfluoroundecanoic acid (M)

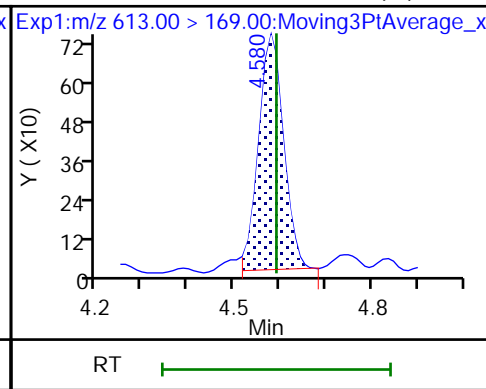
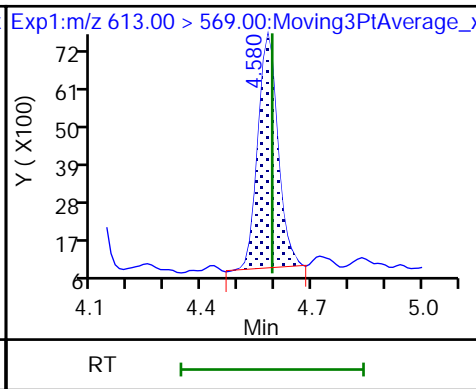
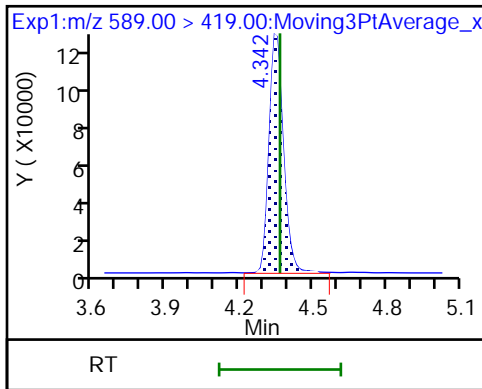
33 N-ethylperfluorooctanesulfonamid (M)



D 32 d5-NEtFOSAA

37 Perfluorododecanoic acid

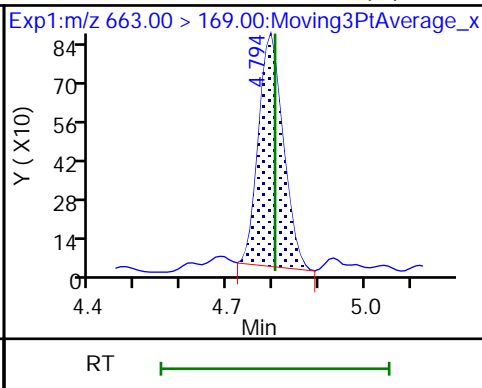
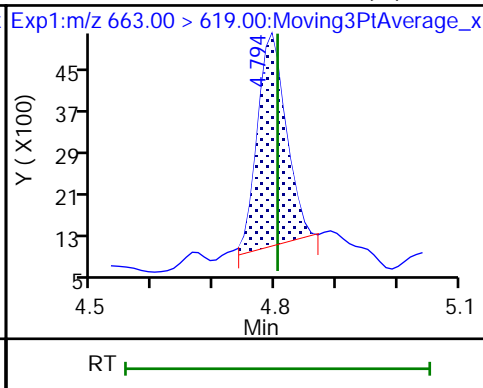
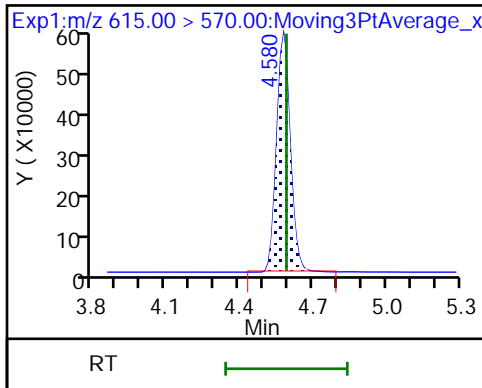
37 Perfluorododecanoic acid (M)



D 36 13C2 PFDaA

41 Perfluorotridecanoic acid (M)

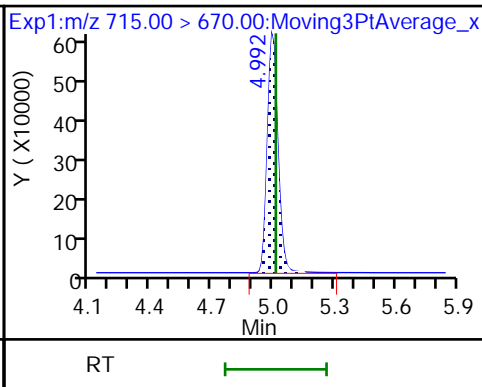
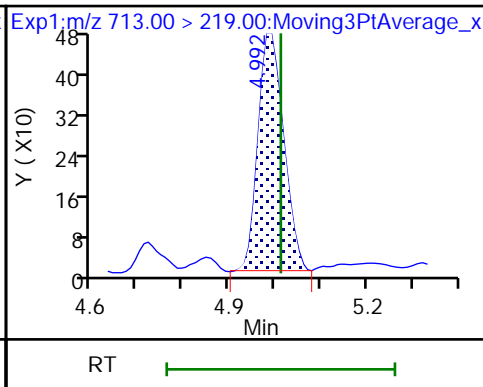
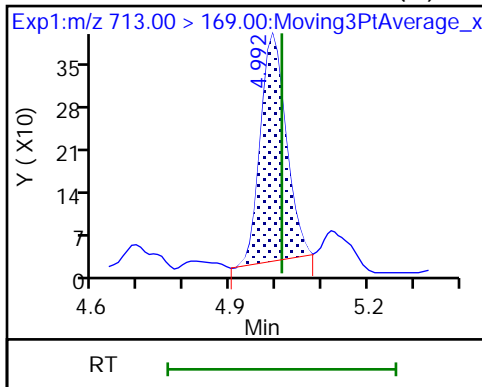
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid

D 43 13C2 PFTeDA



Eurofins Burlington

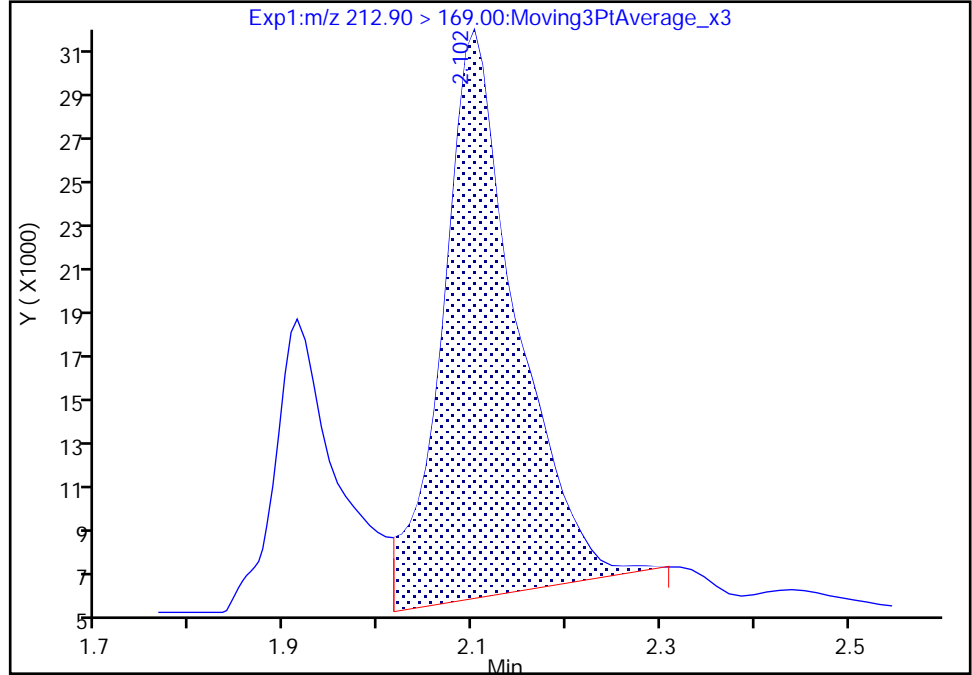
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A26.d
Injection Date: 08-Dec-2022 18:13:04 Instrument ID: LC812
Lims ID: 460-270515-A-3-A Lab Sample ID: 200-270515-3
Client ID: BCS-09-13_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 23 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

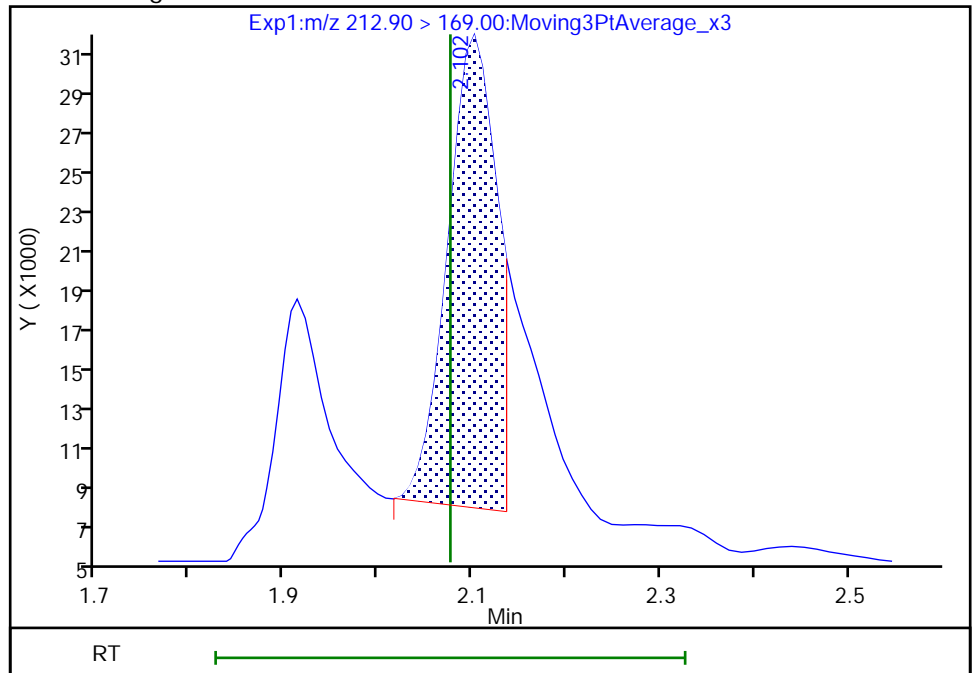
RT: 2.10
Area: 139423
Amount: 0.068795
Amount Units: ng/ml

Processing Integration Results



RT: 2.10
Area: 82348
Amount: 0.040633
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:29:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

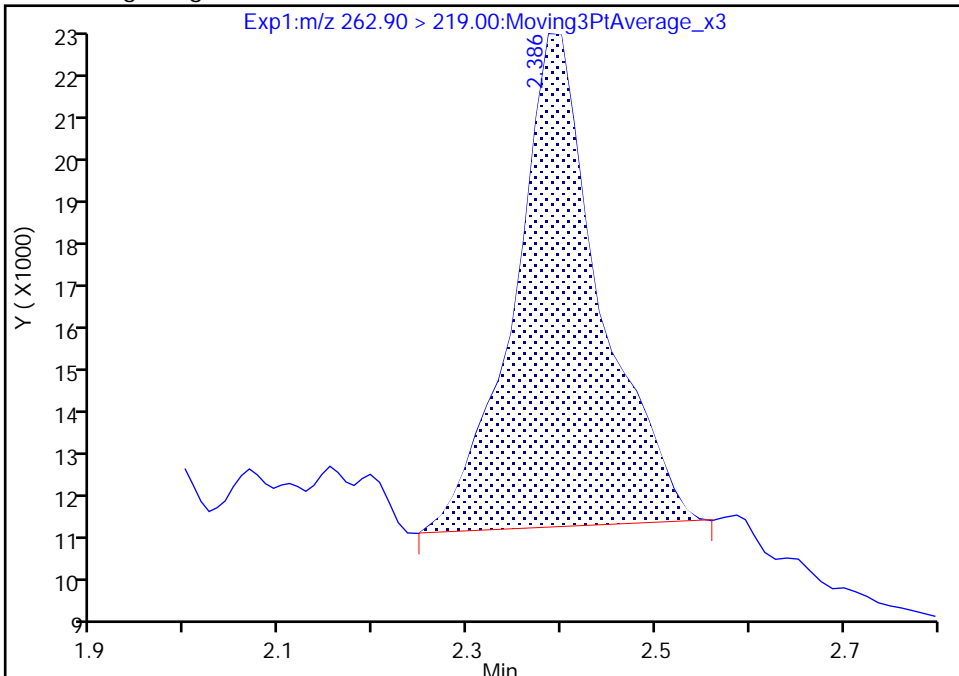
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A26.d
Injection Date: 08-Dec-2022 18:13:04 Instrument ID: LC812
Lims ID: 460-270515-A-3-A Lab Sample ID: 200-270515-3
Client ID: BCS-09-13_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 23 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

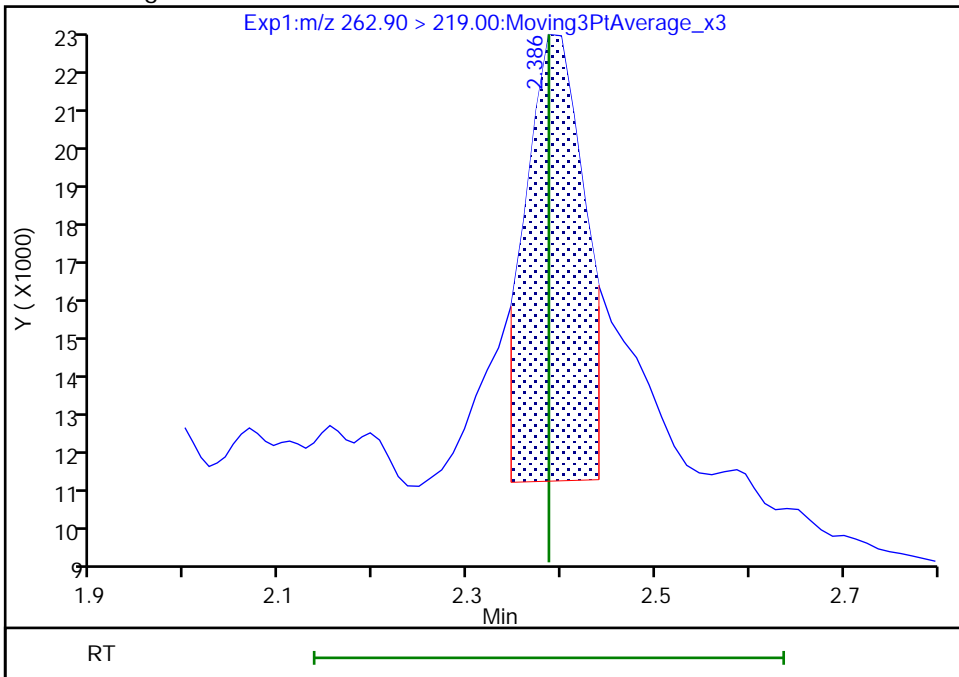
RT: 2.39
Area: 70990
Amount: 0.044334
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 46897
Amount: 0.029288
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:29:40
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

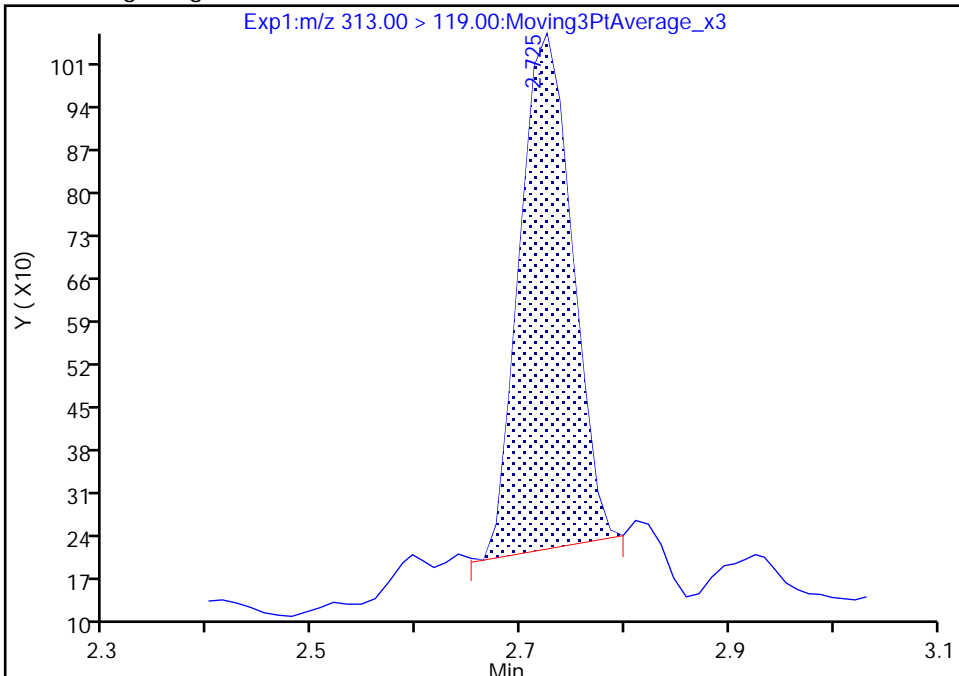
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A26.d
Injection Date: 08-Dec-2022 18:13:04 Instrument ID: LC812
Lims ID: 460-270515-A-3-A Lab Sample ID: 200-270515-3
Client ID: BCS-09-13_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 23 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

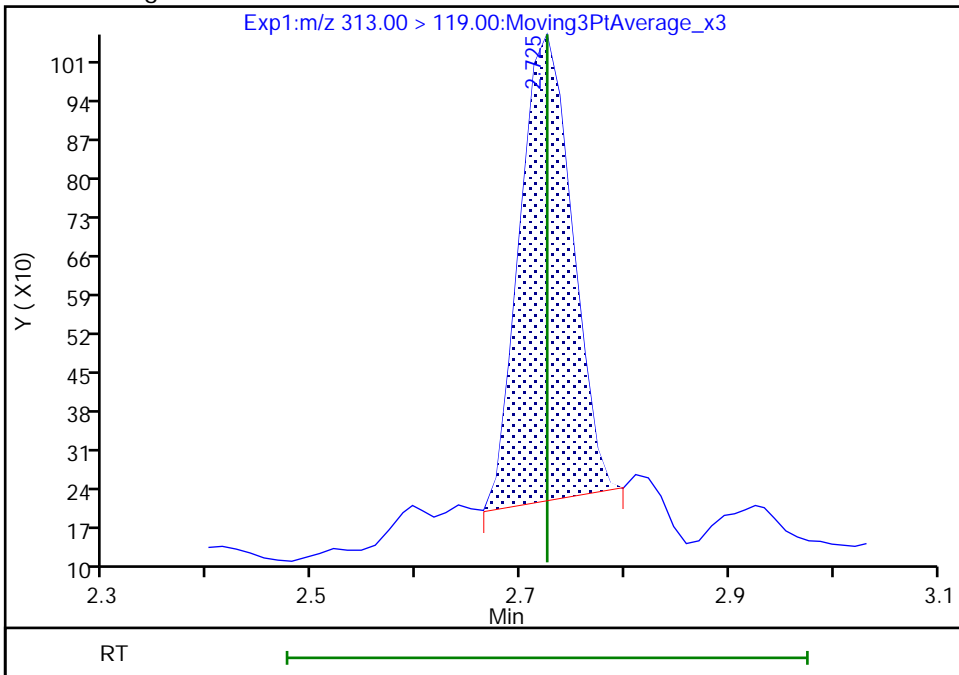
RT: 2.73
Area: 2963
Amount: 0.034431
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 2959
Amount: 0.032158
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:30:10
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

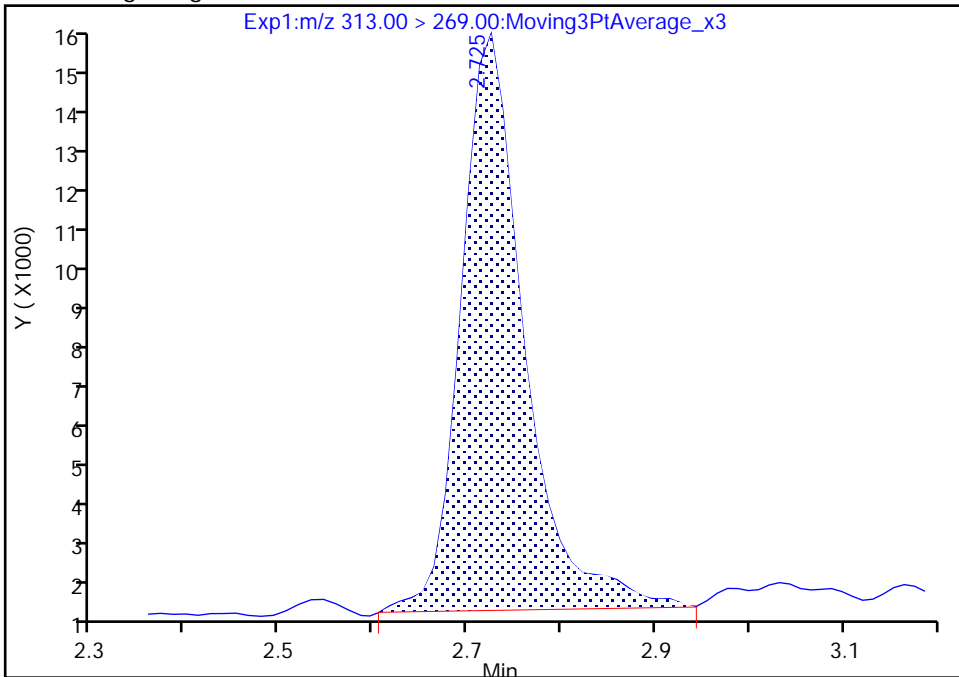
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A26.d
Injection Date: 08-Dec-2022 18:13:04 Instrument ID: LC812
Lims ID: 460-270515-A-3-A Lab Sample ID: 200-270515-3
Client ID: BCS-09-13_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 23 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

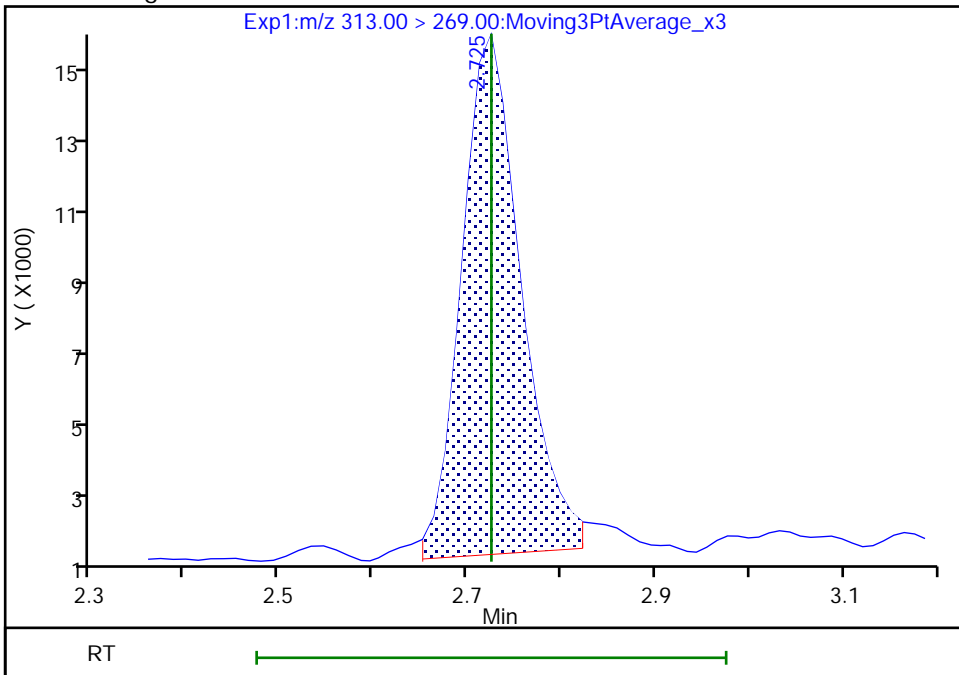
RT: 2.73
Area: 63759
Amount: 0.034431
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 59549
Amount: 0.032158
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:30:13

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

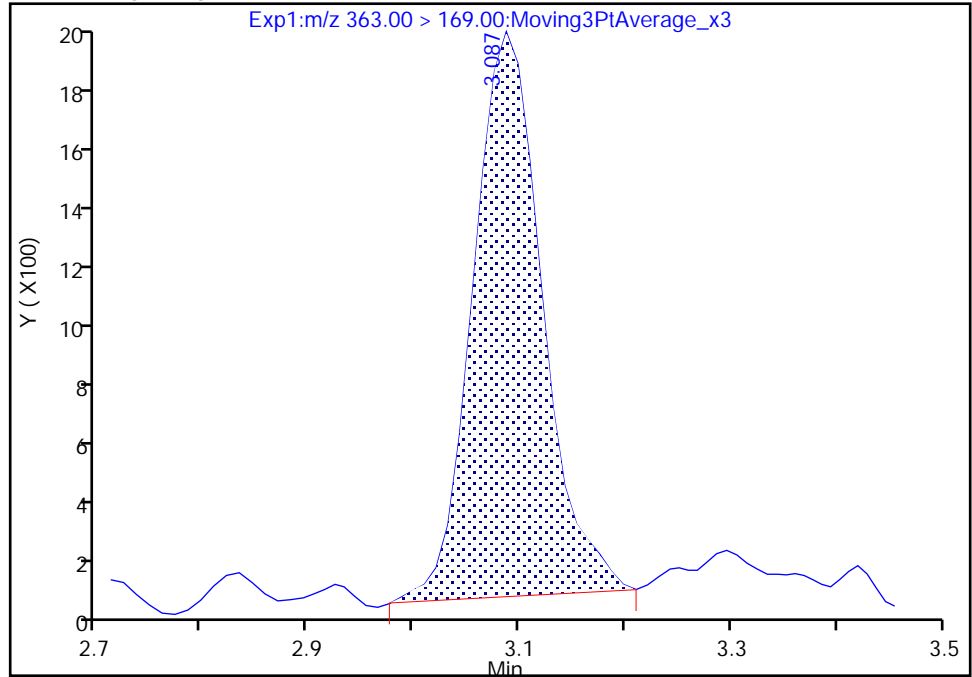
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A26.d
Injection Date: 08-Dec-2022 18:13:04 Instrument ID: LC812
Lims ID: 460-270515-A-3-A Lab Sample ID: 200-270515-3
Client ID: BCS-09-13_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 23 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

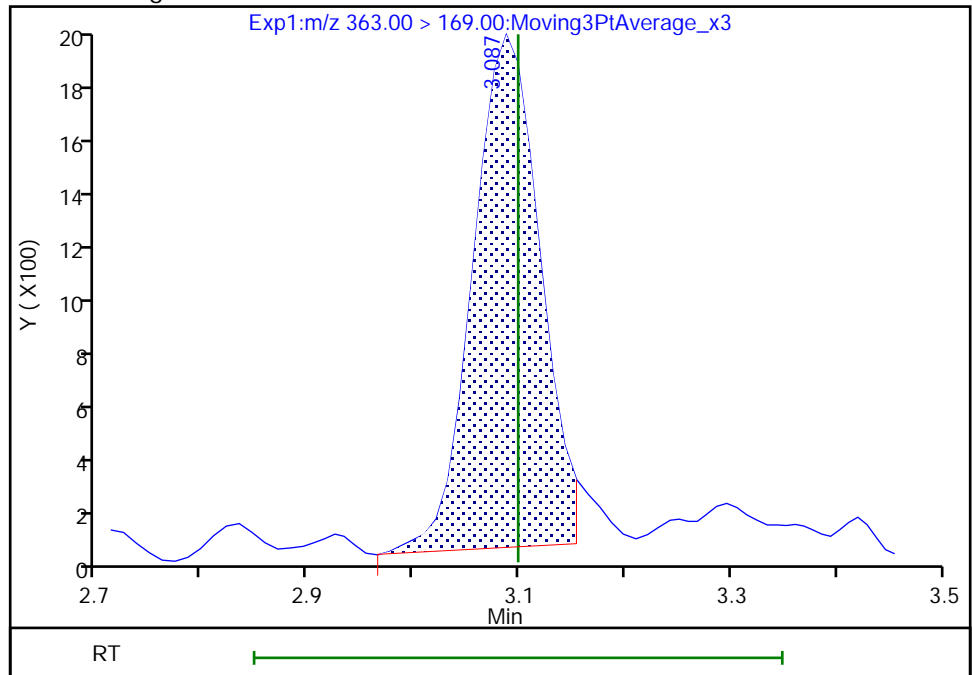
RT: 3.09
Area: 8401
Amount: 0.012639
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 8145
Amount: 0.012639
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:30:39
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

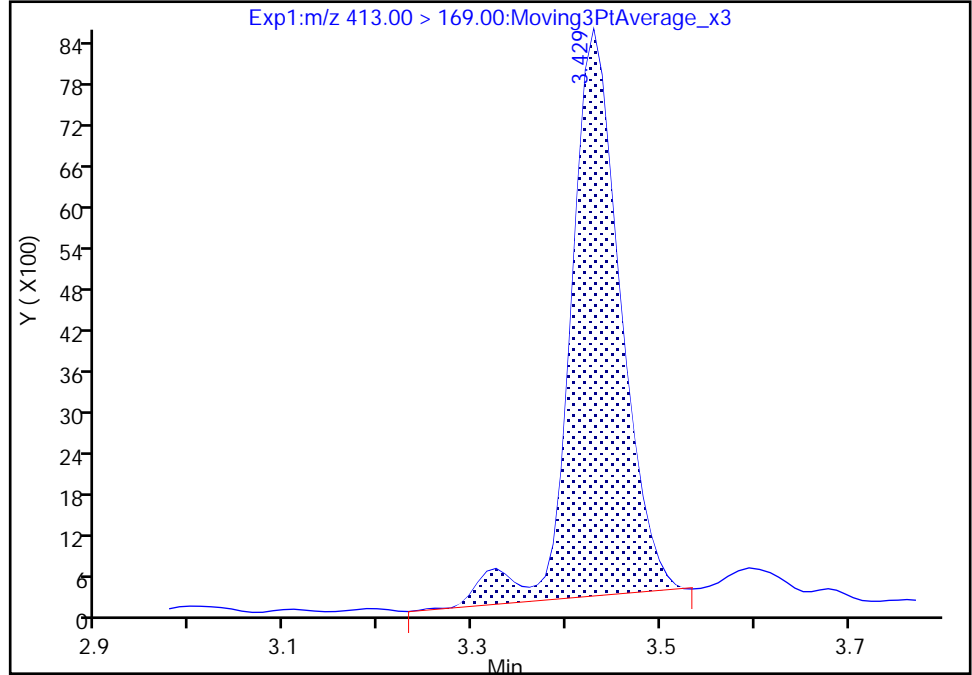
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A26.d
Injection Date: 08-Dec-2022 18:13:04 Instrument ID: LC812
Lims ID: 460-270515-A-3-A Lab Sample ID: 200-270515-3
Client ID: BCS-09-13_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 23 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

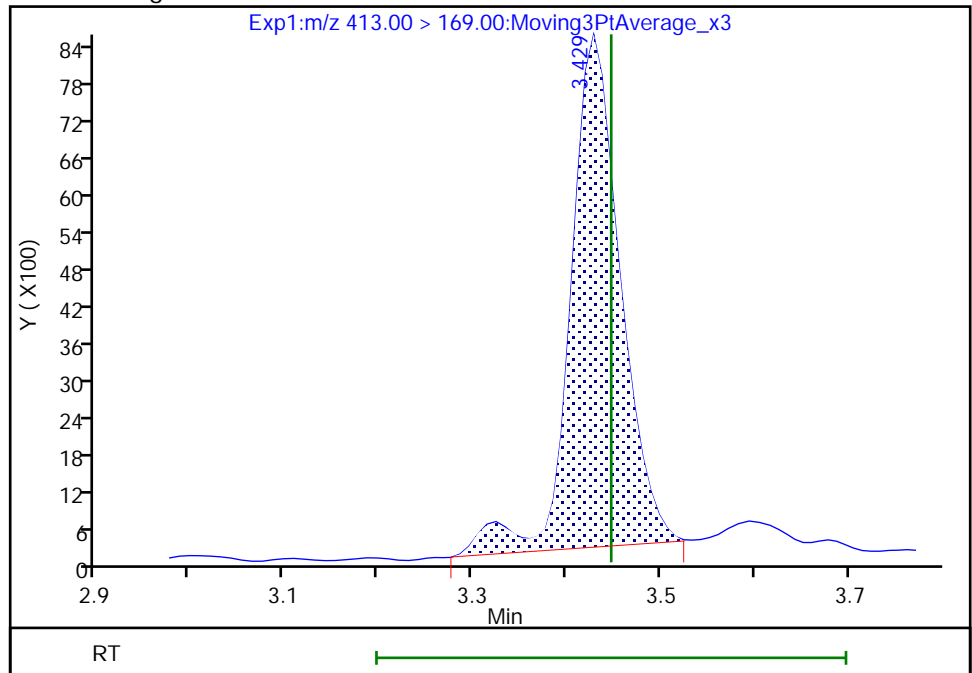
RT: 3.43
Area: 30682
Amount: 0.044685
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 30533
Amount: 0.043768
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:31:03
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

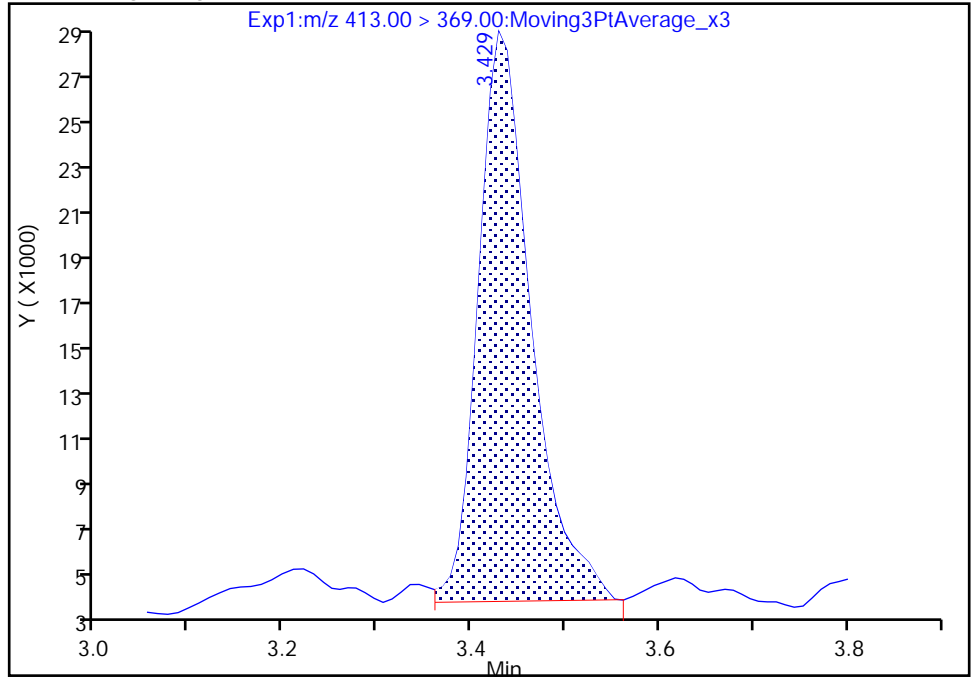
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A26.d
Injection Date: 08-Dec-2022 18:13:04 Instrument ID: LC812
Lims ID: 460-270515-A-3-A Lab Sample ID: 200-270515-3
Client ID: BCS-09-13_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 23 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

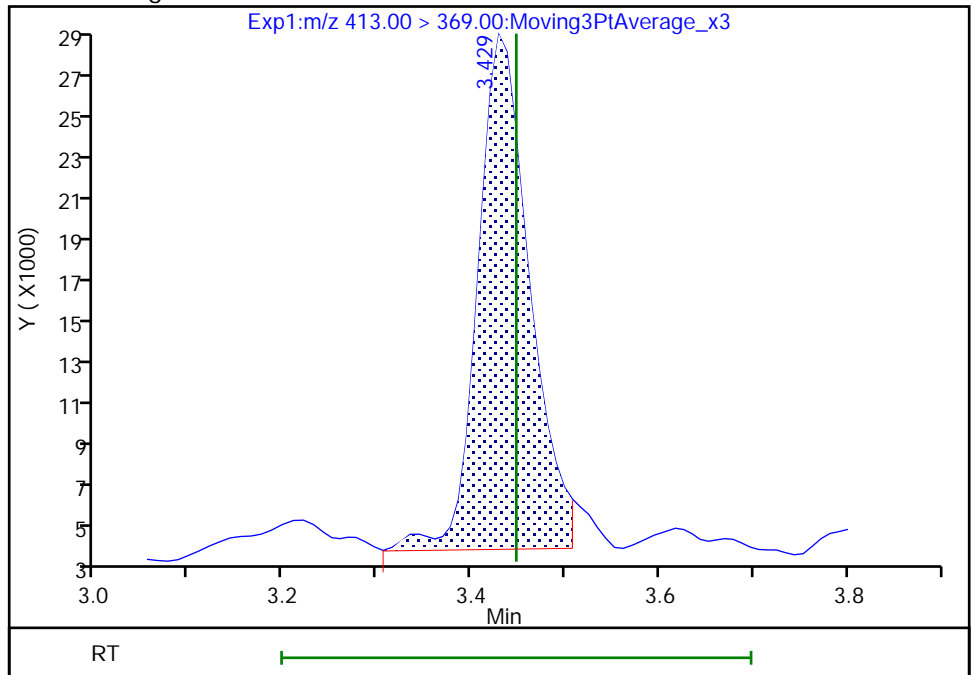
RT: 3.43
Area: 94077
Amount: 0.044685
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 92147
Amount: 0.043768
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:31:06

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

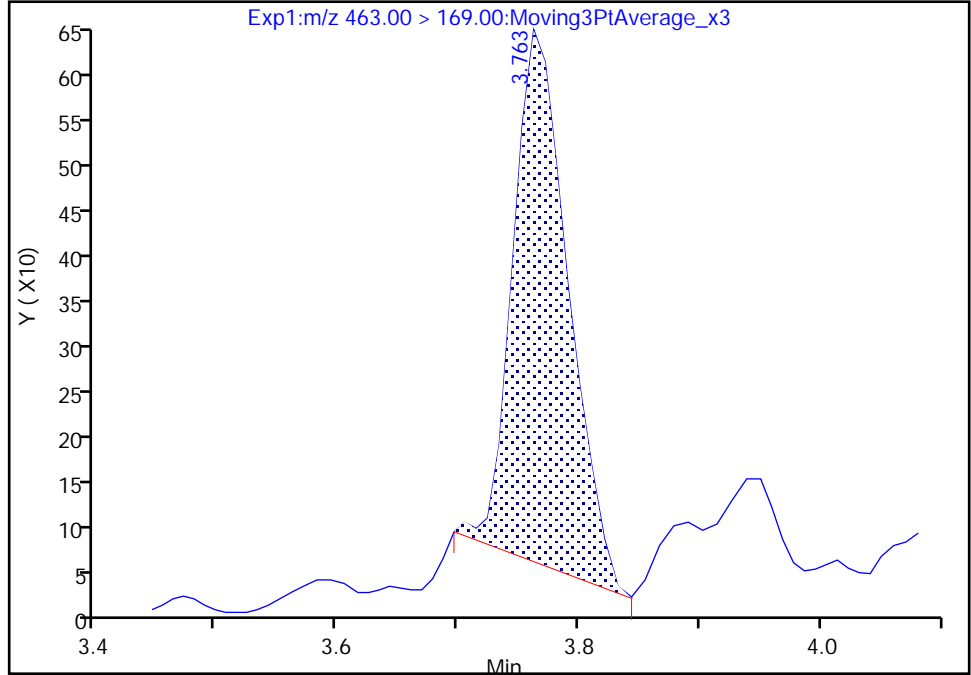
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A26.d
Injection Date: 08-Dec-2022 18:13:04 Instrument ID: LC812
Lims ID: 460-270515-A-3-A Lab Sample ID: 200-270515-3
Client ID: BCS-09-13_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 23 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

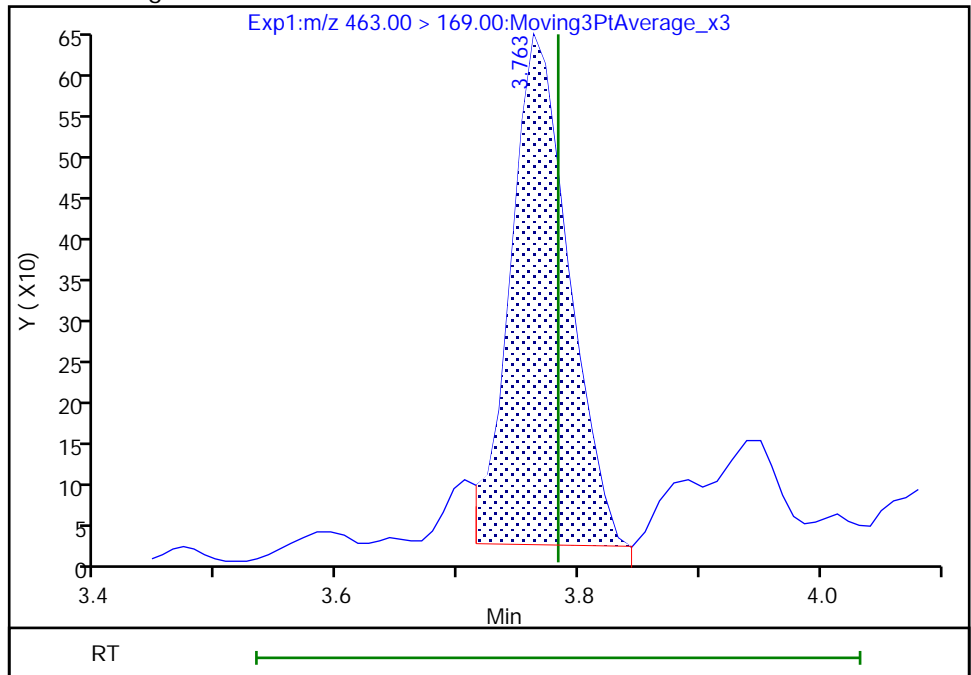
RT: 3.76
Area: 1876
Amount: 0.015198
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 2084
Amount: 0.004213
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 13-Dec-2022 08:58:08
Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins Burlington

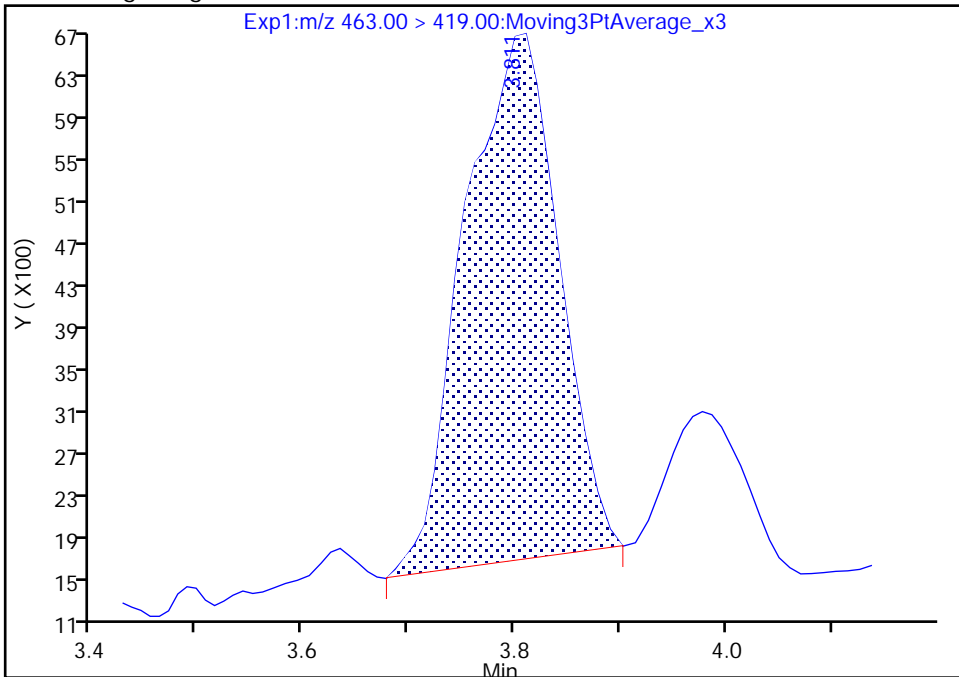
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A26.d
Injection Date: 08-Dec-2022 18:13:04 Instrument ID: LC812
Lims ID: 460-270515-A-3-A Lab Sample ID: 200-270515-3
Client ID: BCS-09-13_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 23 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

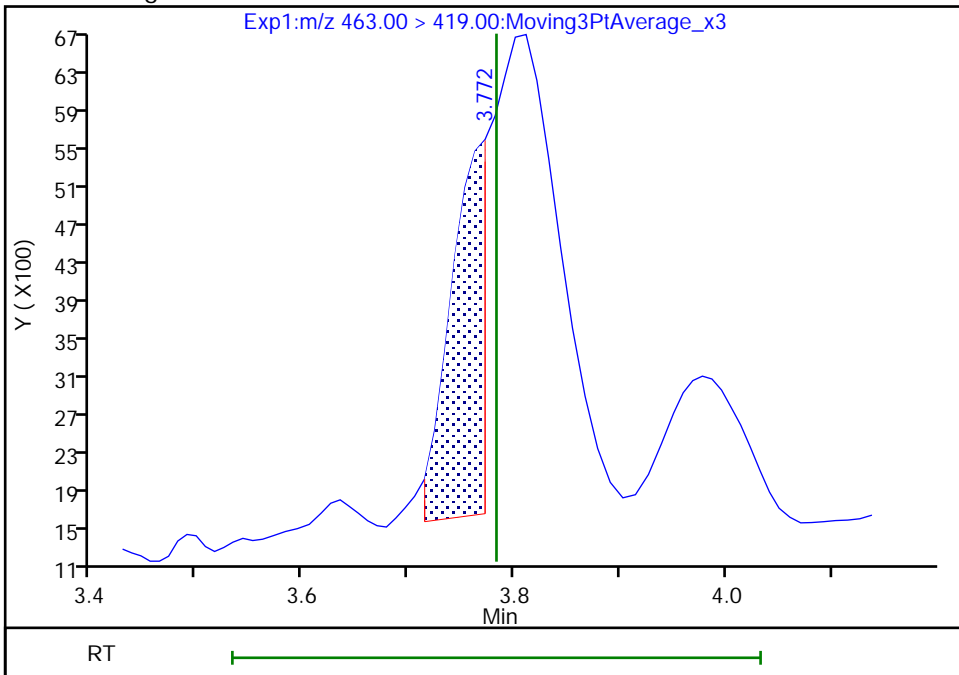
RT: 3.81
Area: 30961
Amount: 0.015198
Amount Units: ng/ml

Processing Integration Results



RT: 3.77
Area: 8582
Amount: 0.004213
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 13-Dec-2022 08:58:11

Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins Burlington

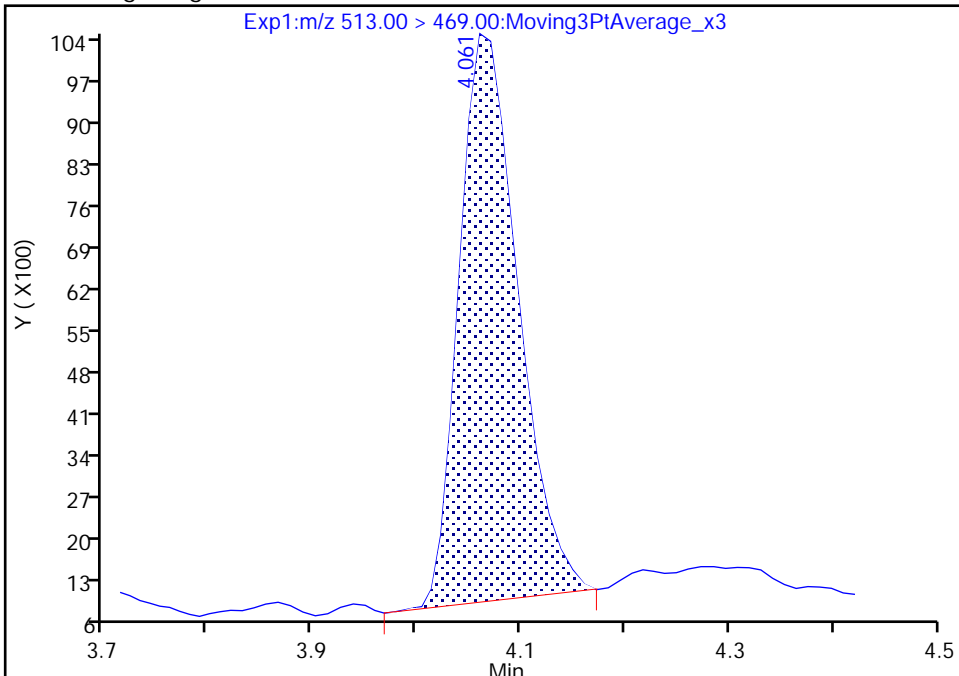
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A26.d
Injection Date: 08-Dec-2022 18:13:04 Instrument ID: LC812
Lims ID: 460-270515-A-3-A Lab Sample ID: 200-270515-3
Client ID: BCS-09-13_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 23 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

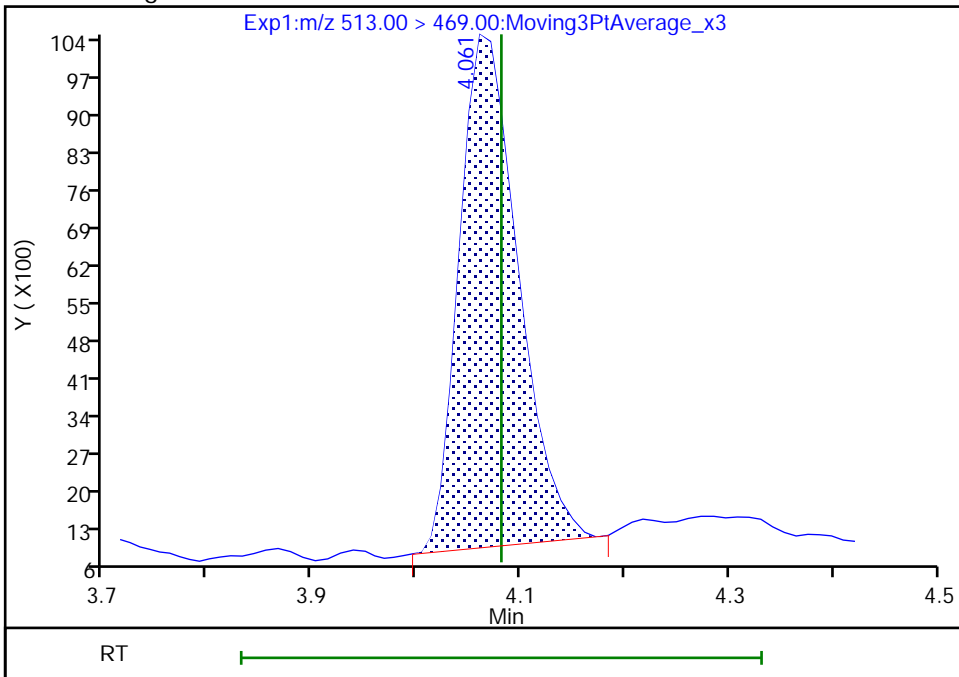
RT: 4.06
Area: 37690
Amount: 0.017299
Amount Units: ng/ml

Processing Integration Results



RT: 4.06
Area: 37451
Amount: 0.017189
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:32:04
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

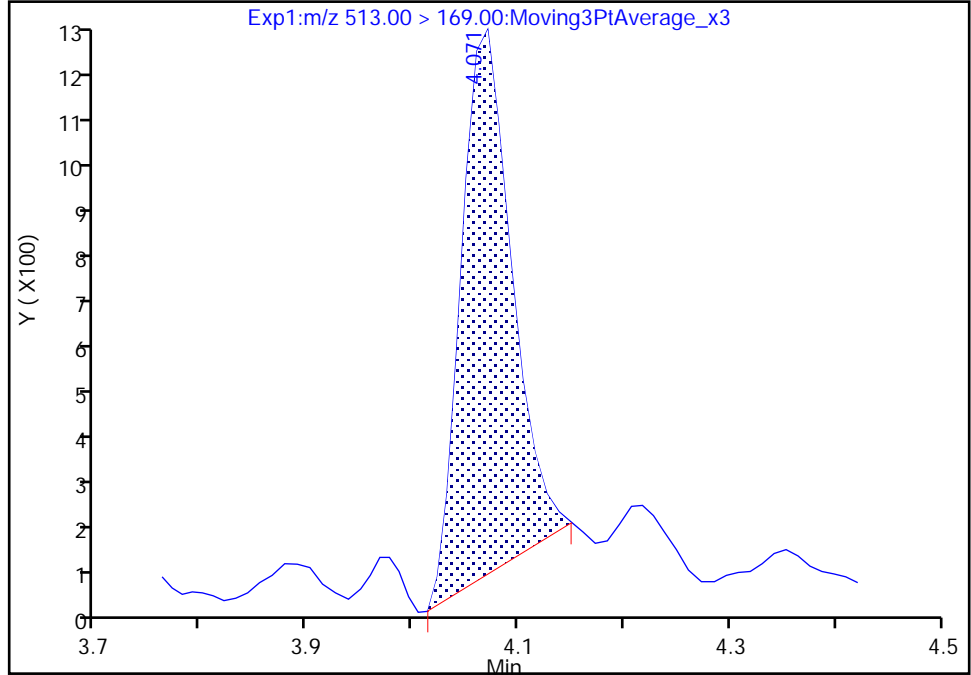
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A26.d
Injection Date: 08-Dec-2022 18:13:04 Instrument ID: LC812
Lims ID: 460-270515-A-3-A Lab Sample ID: 200-270515-3
Client ID: BCS-09-13_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 23 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

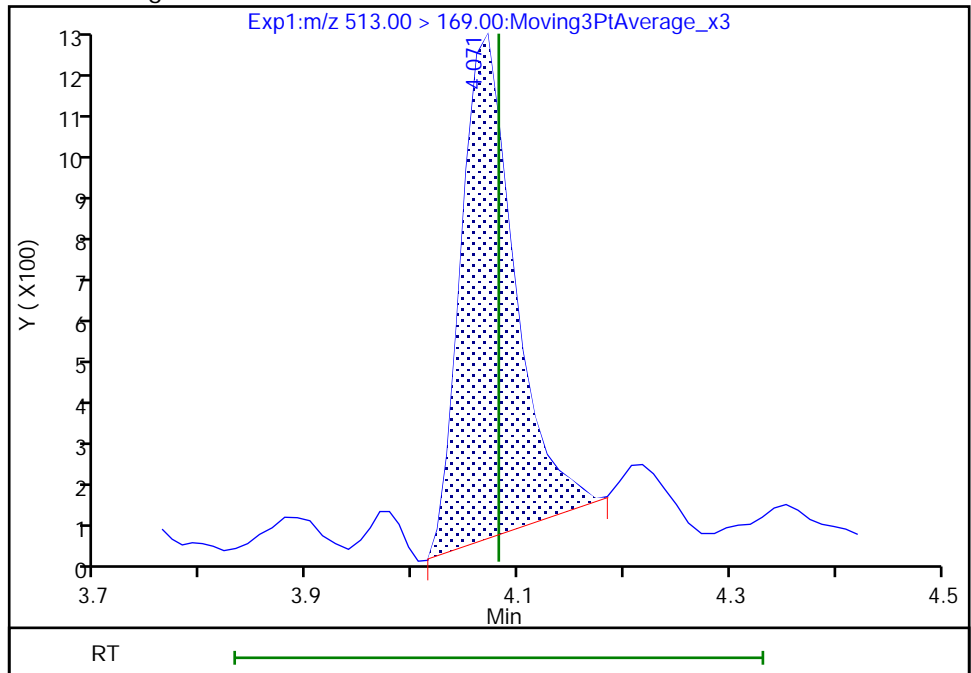
RT: 4.07
Area: 3755
Amount: 0.017299
Amount Units: ng/ml

Processing Integration Results



RT: 4.07
Area: 4078
Amount: 0.017189
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 17:32:07

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

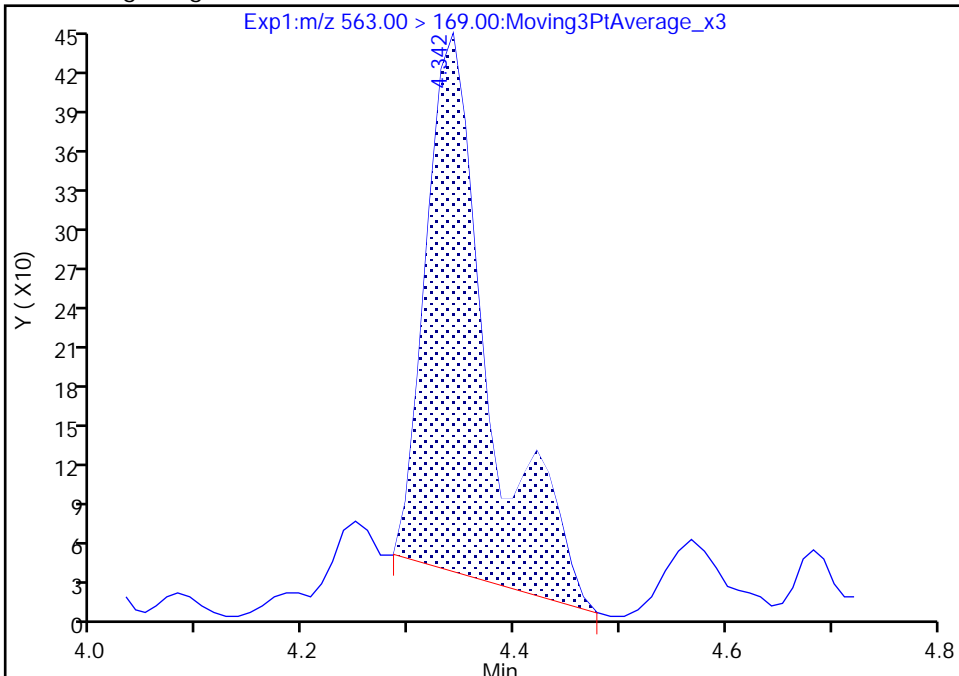
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A26.d
Injection Date: 08-Dec-2022 18:13:04 Instrument ID: LC812
Lims ID: 460-270515-A-3-A Lab Sample ID: 200-270515-3
Client ID: BCS-09-13_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 23 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

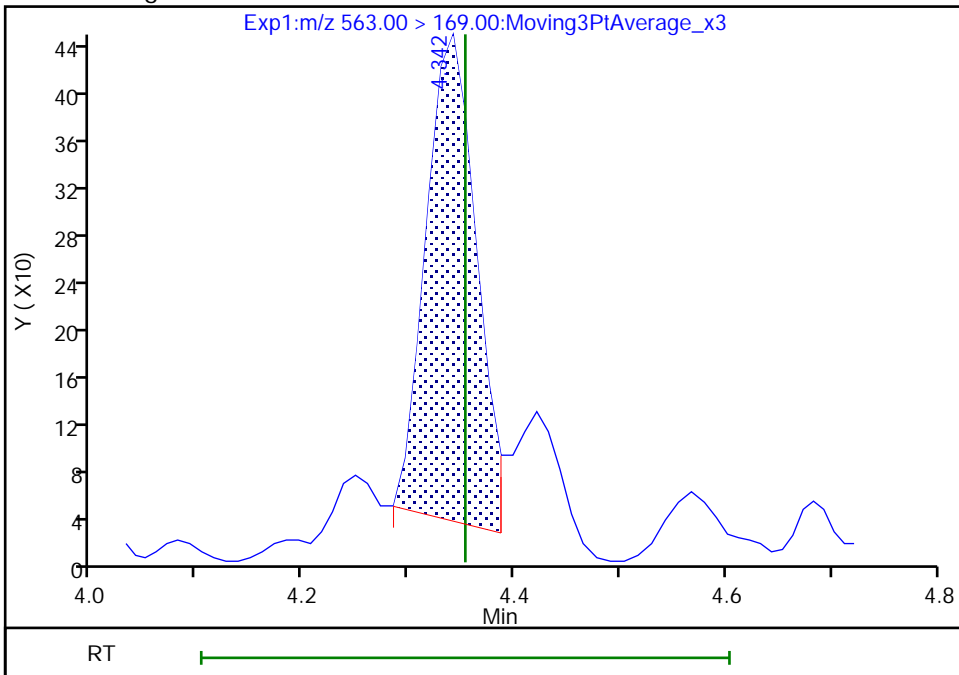
RT: 4.34
Area: 1691
Amount: 0.004813
Amount Units: ng/ml

Processing Integration Results



RT: 4.34
Area: 1350
Amount: 0.005516
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:32:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

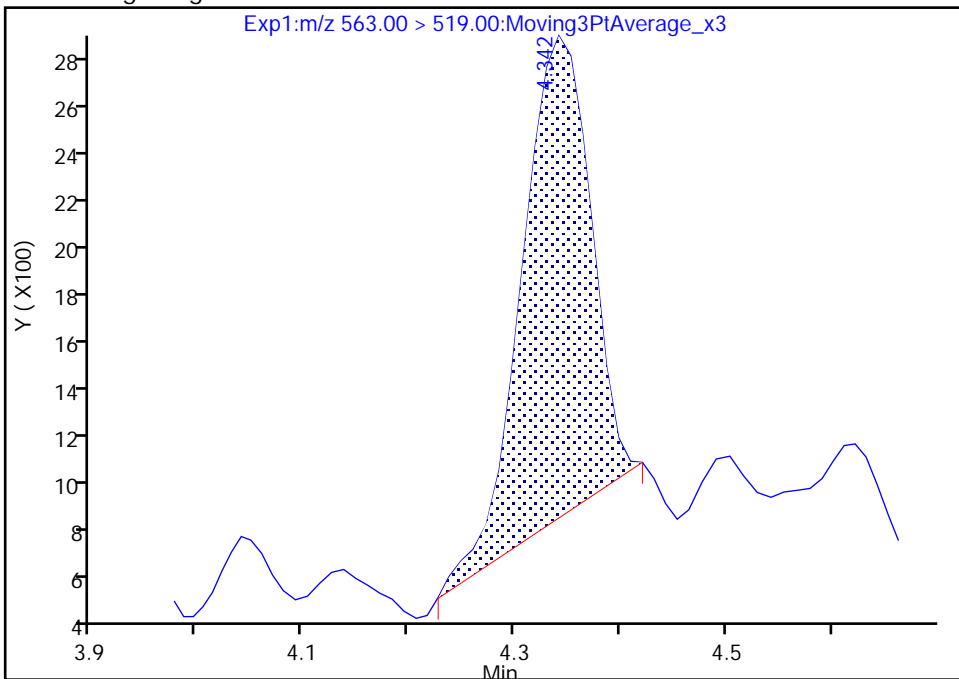
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A26.d
Injection Date: 08-Dec-2022 18:13:04 Instrument ID: LC812
Lims ID: 460-270515-A-3-A Lab Sample ID: 200-270515-3
Client ID: BCS-09-13_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 23 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

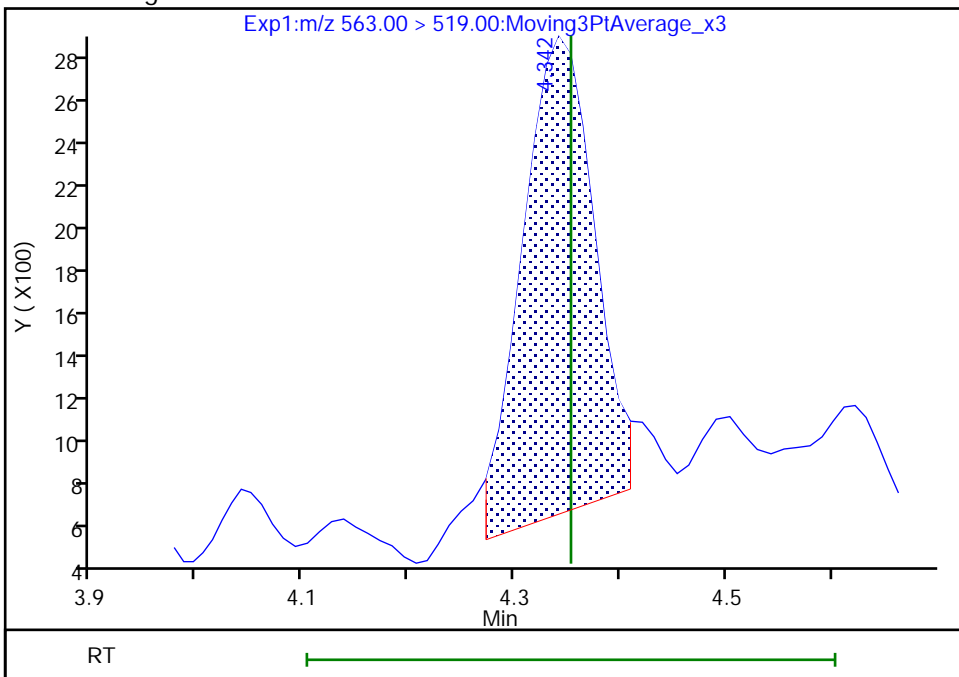
RT: 4.34
Area: 9053
Amount: 0.004813
Amount Units: ng/ml

Processing Integration Results



RT: 4.34
Area: 10376
Amount: 0.005516
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:32:56

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

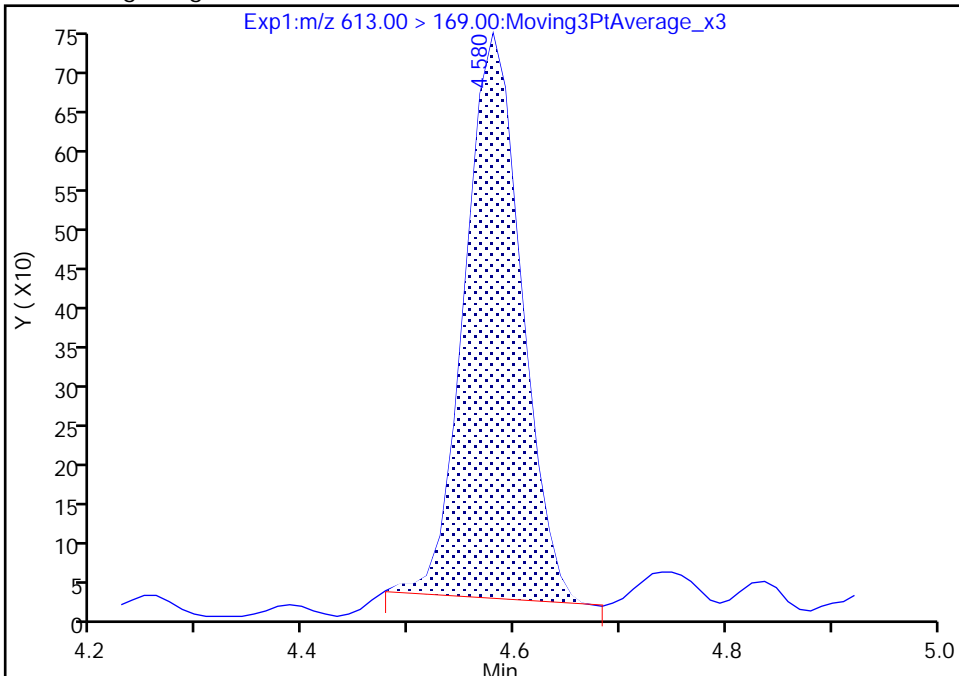
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A26.d
Injection Date: 08-Dec-2022 18:13:04 Instrument ID: LC812
Lims ID: 460-270515-A-3-A Lab Sample ID: 200-270515-3
Client ID: BCS-09-13_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 23 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

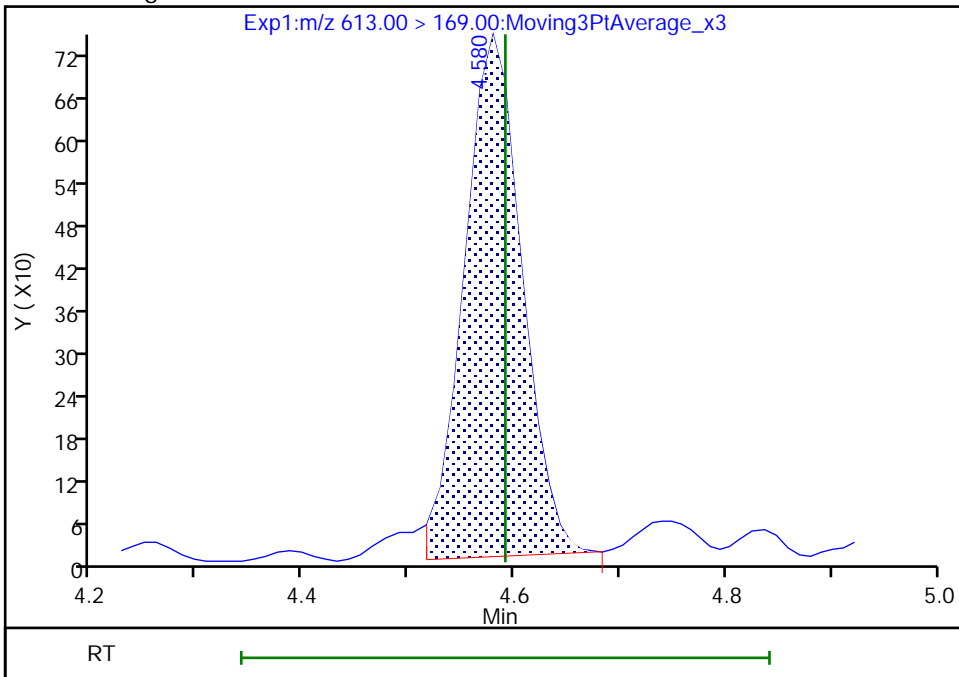
RT: 4.58
Area: 2709
Amount: 0.013218
Amount Units: ng/ml

Processing Integration Results



RT: 4.58
Area: 2810
Amount: 0.013218
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:33:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

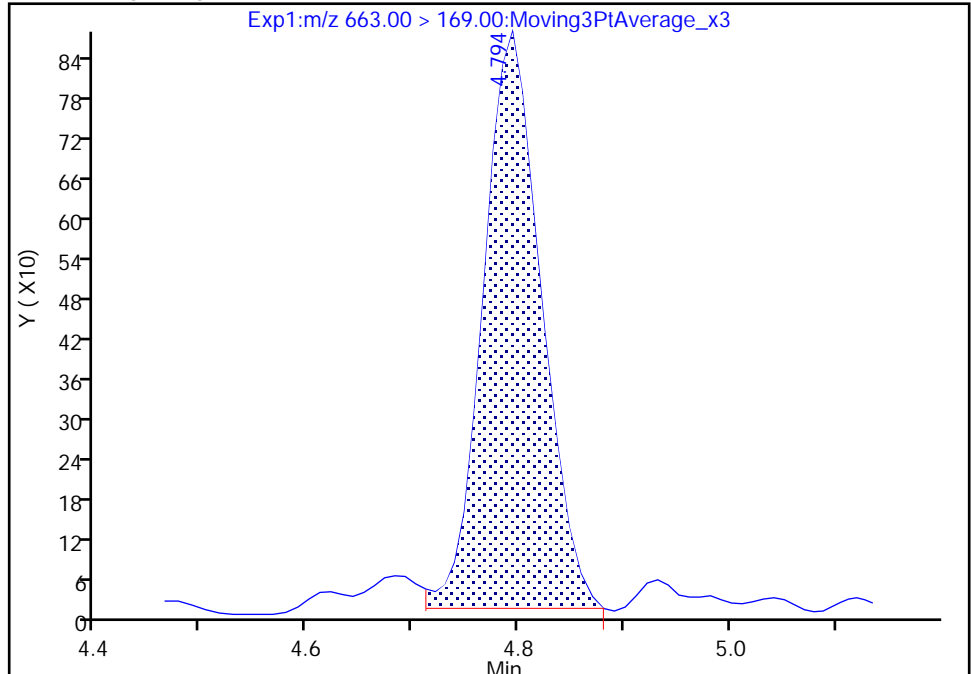
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A26.d
Injection Date: 08-Dec-2022 18:13:04 Instrument ID: LC812
Lims ID: 460-270515-A-3-A Lab Sample ID: 200-270515-3
Client ID: BCS-09-13_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 23 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

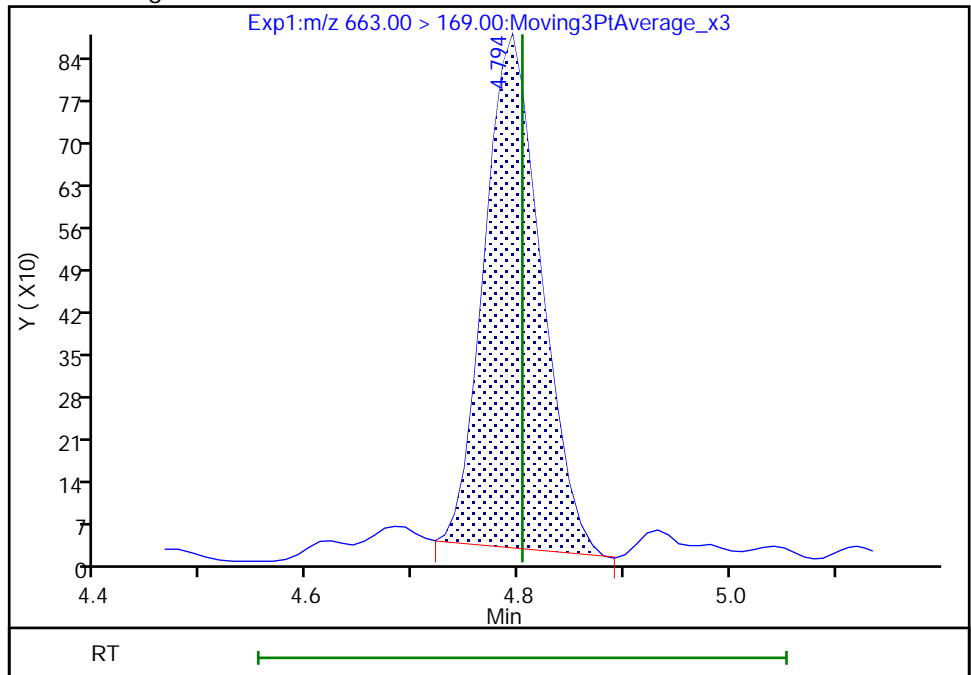
RT: 4.79
Area: 3304
Amount: 0.012055
Amount Units: ng/ml

Processing Integration Results



RT: 4.79
Area: 3181
Amount: 0.006915
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:33:34
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

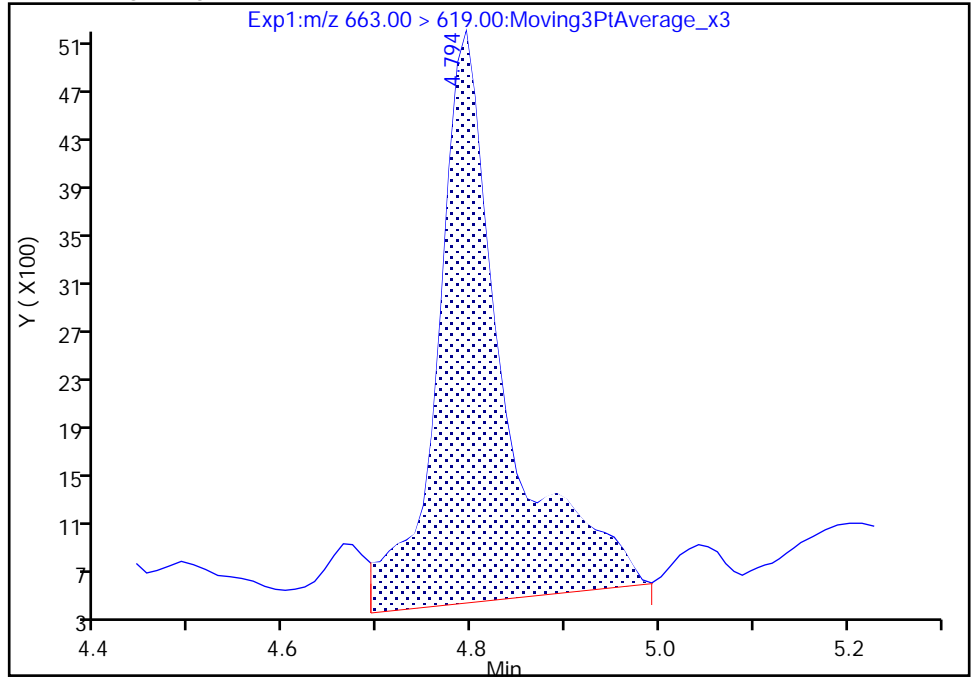
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A26.d
Injection Date: 08-Dec-2022 18:13:04 Instrument ID: LC812
Lims ID: 460-270515-A-3-A Lab Sample ID: 200-270515-3
Client ID: BCS-09-13_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 23 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

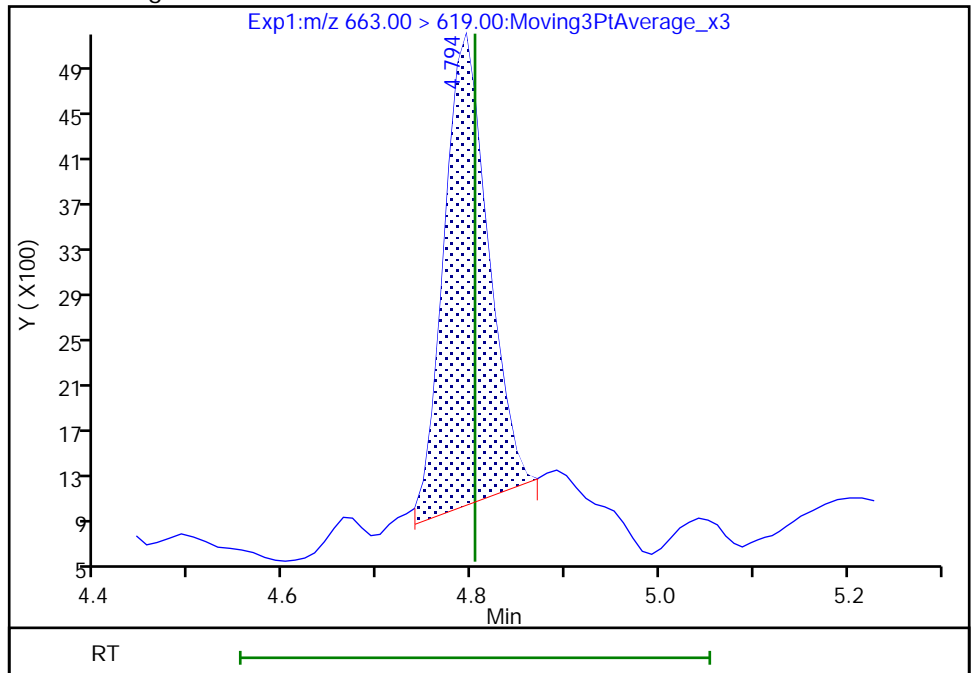
RT: 4.79
Area: 22849
Amount: 0.012055
Amount Units: ng/ml

Processing Integration Results



RT: 4.79
Area: 13107
Amount: 0.006915
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 17:33:36

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

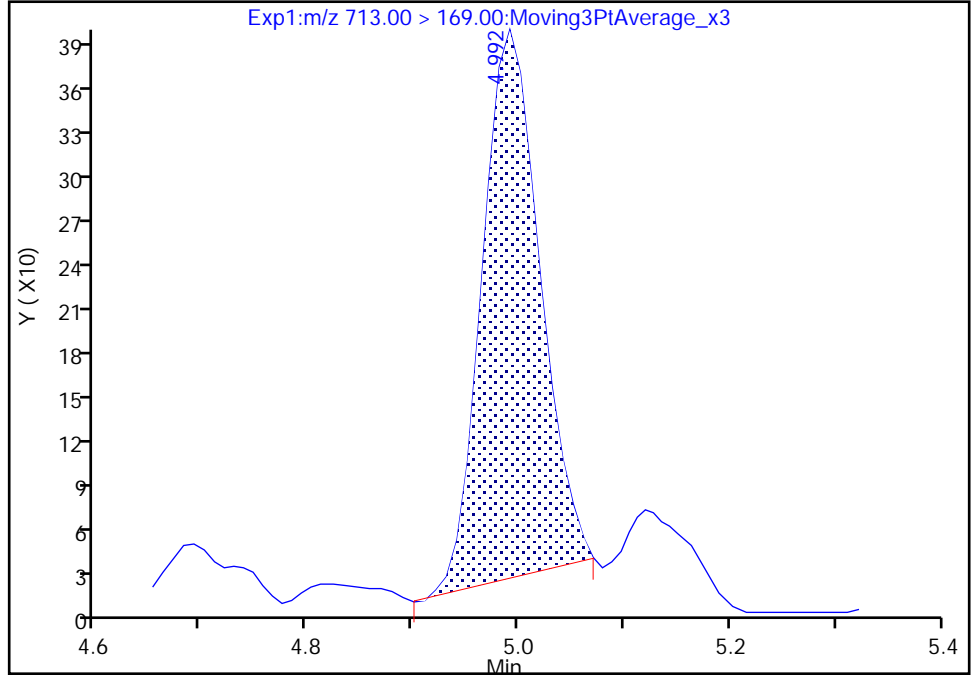
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A26.d
Injection Date: 08-Dec-2022 18:13:04 Instrument ID: LC812
Lims ID: 460-270515-A-3-A Lab Sample ID: 200-270515-3
Client ID: BCS-09-13_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 23 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

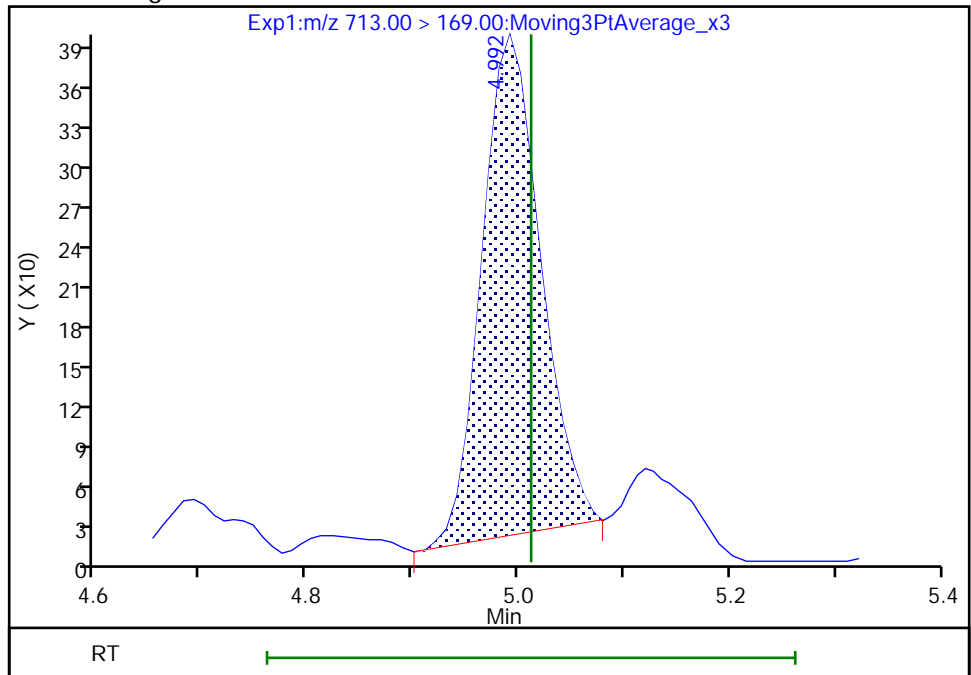
RT: 4.99
Area: 1402
Amount: 0.005774
Amount Units: ng/ml

Processing Integration Results



RT: 4.99
Area: 1446
Amount: 0.005955
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:33:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

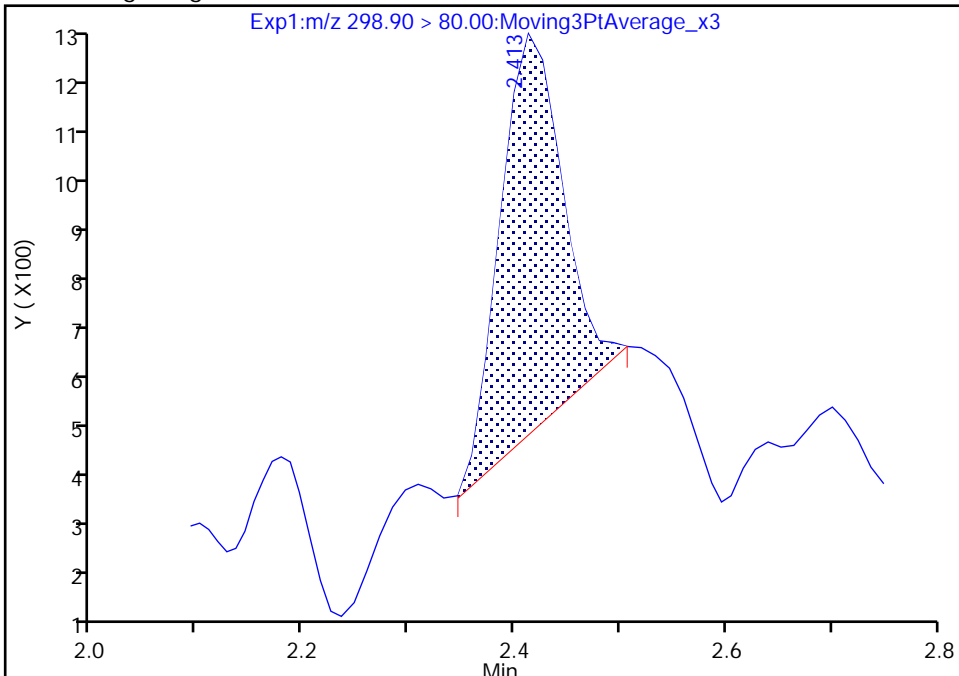
Data File:	\\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A26.d		
Injection Date:	08-Dec-2022 18:13:04	Instrument ID:	LC812
Lims ID:	460-270515-A-3-A	Lab Sample ID:	200-270515-3
Client ID:	BCS-09-13_(5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	26

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

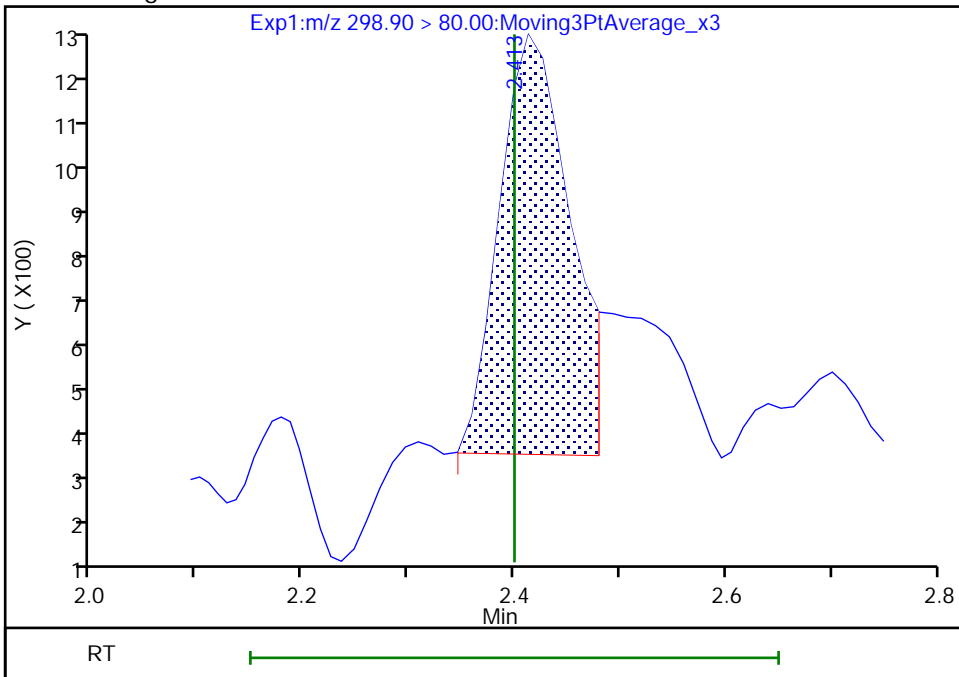
RT: 2.41
 Area: 2869
 Amount: 0.001437
 Amount Units: ng/ml

Processing Integration Results



RT: 2.41
 Area: 3697
 Amount: 0.001852
 Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:29:56
 Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

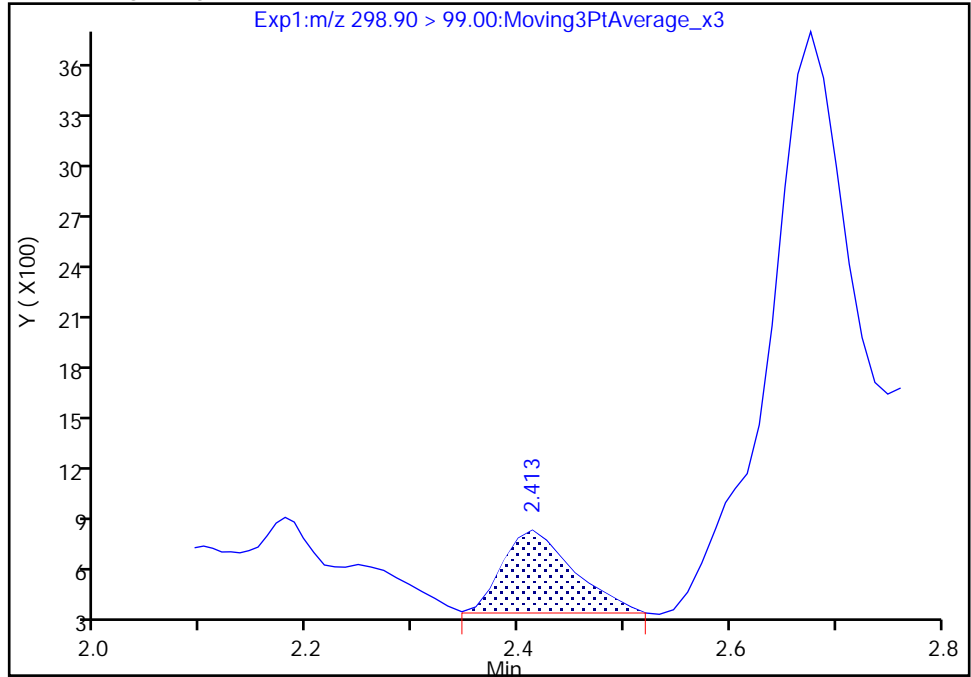
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A26.d
Injection Date: 08-Dec-2022 18:13:04 Instrument ID: LC812
Lims ID: 460-270515-A-3-A Lab Sample ID: 200-270515-3
Client ID: BCS-09-13_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 23 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

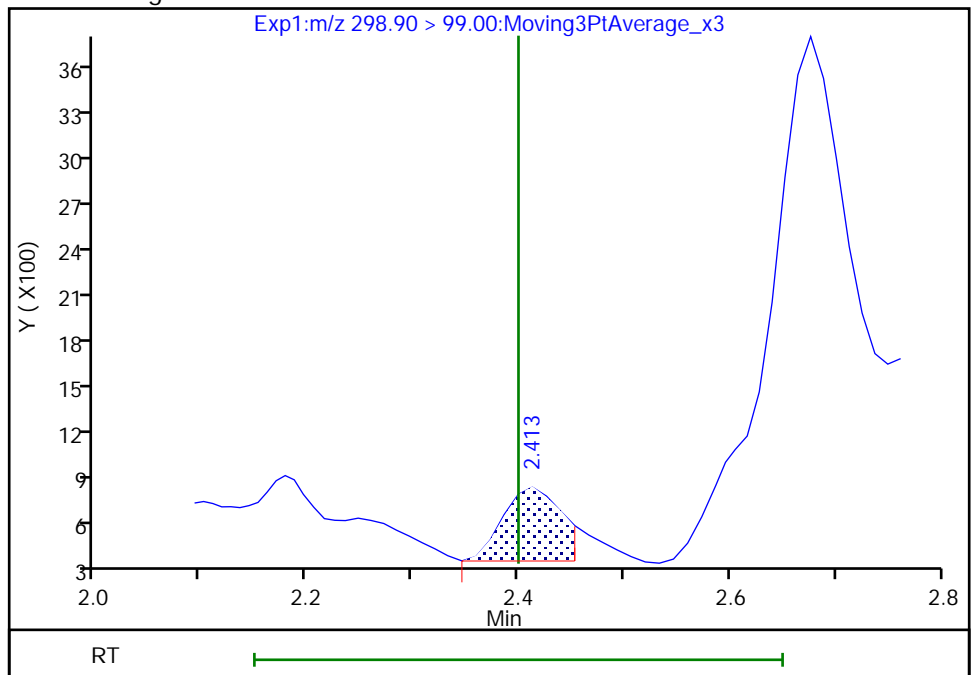
RT: 2.41
Area: 2243
Amount: 0.001437
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 1818
Amount: 0.001852
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:29:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

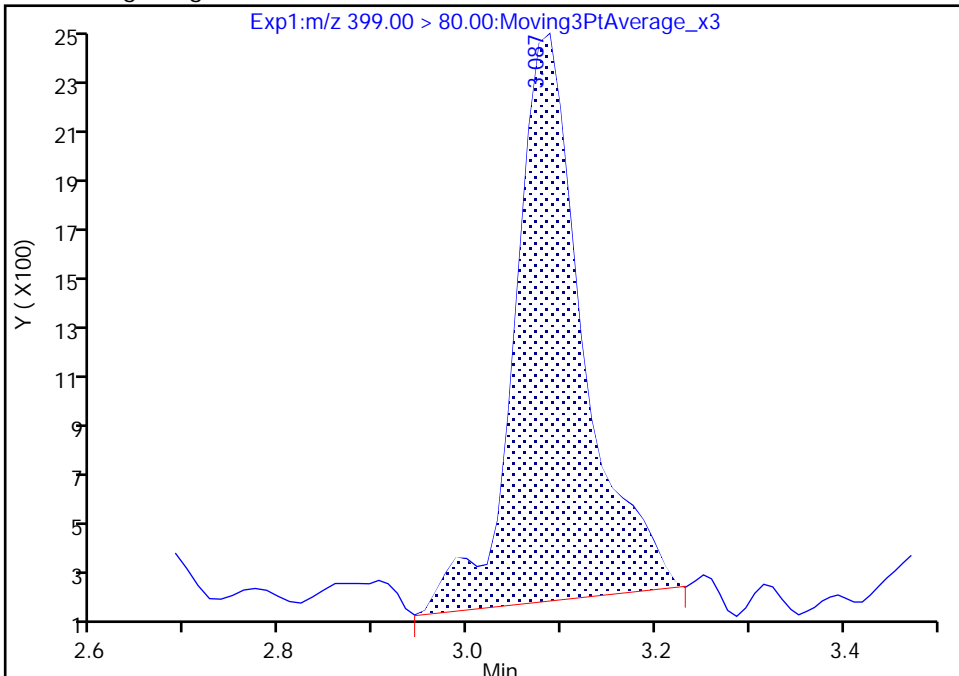
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A26.d
Injection Date: 08-Dec-2022 18:13:04 Instrument ID: LC812
Lims ID: 460-270515-A-3-A Lab Sample ID: 200-270515-3
Client ID: BCS-09-13_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 23 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

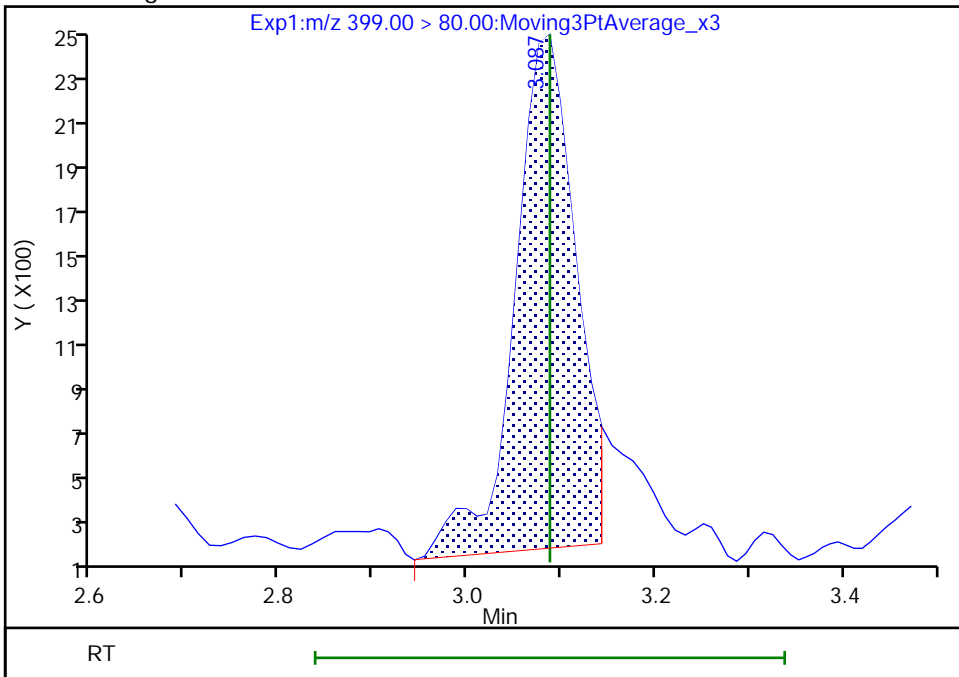
RT: 3.09
Area: 11081
Amount: 0.007672
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 9787
Amount: 0.006776
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:30:23
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

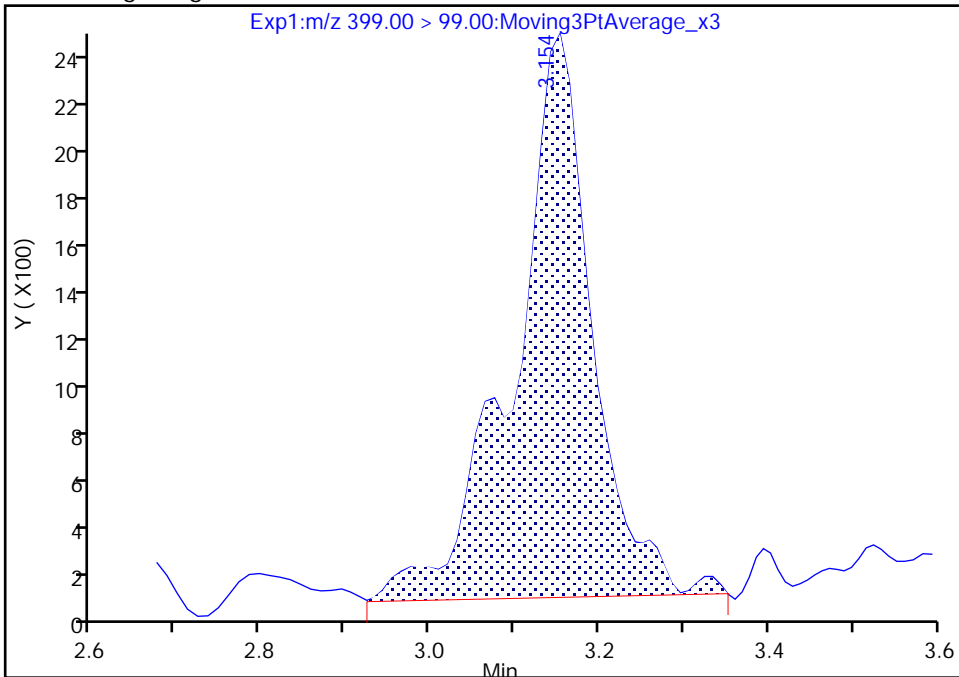
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A26.d
Injection Date: 08-Dec-2022 18:13:04 Instrument ID: LC812
Lims ID: 460-270515-A-3-A Lab Sample ID: 200-270515-3
Client ID: BCS-09-13_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 23 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

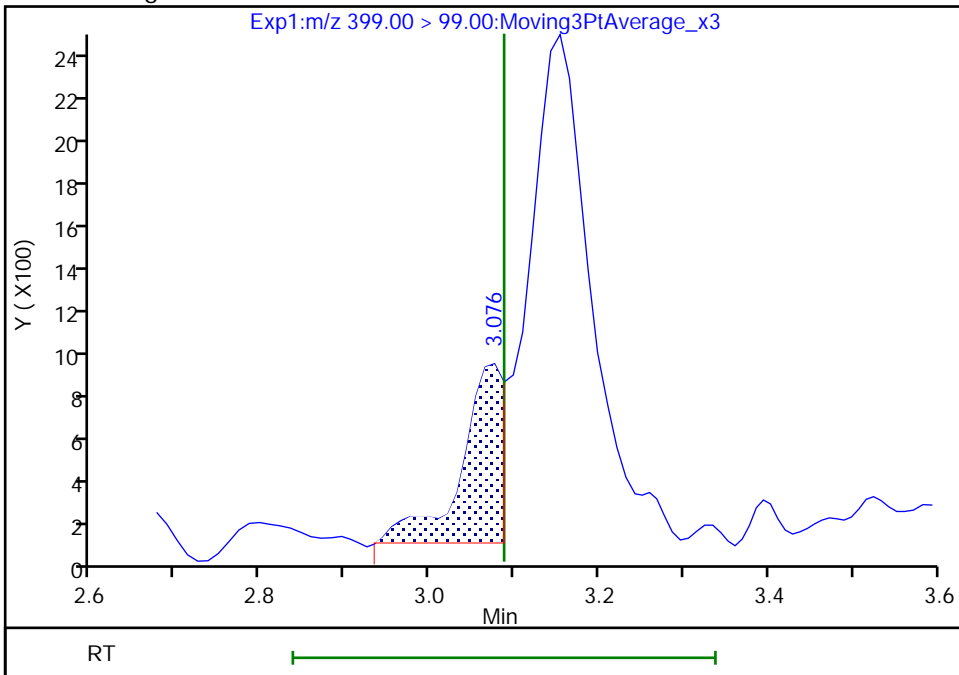
RT: 3.15
Area: 14904
Amount: 0.007672
Amount Units: ng/ml

Processing Integration Results



RT: 3.08
Area: 2720
Amount: 0.006776
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:30:25

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

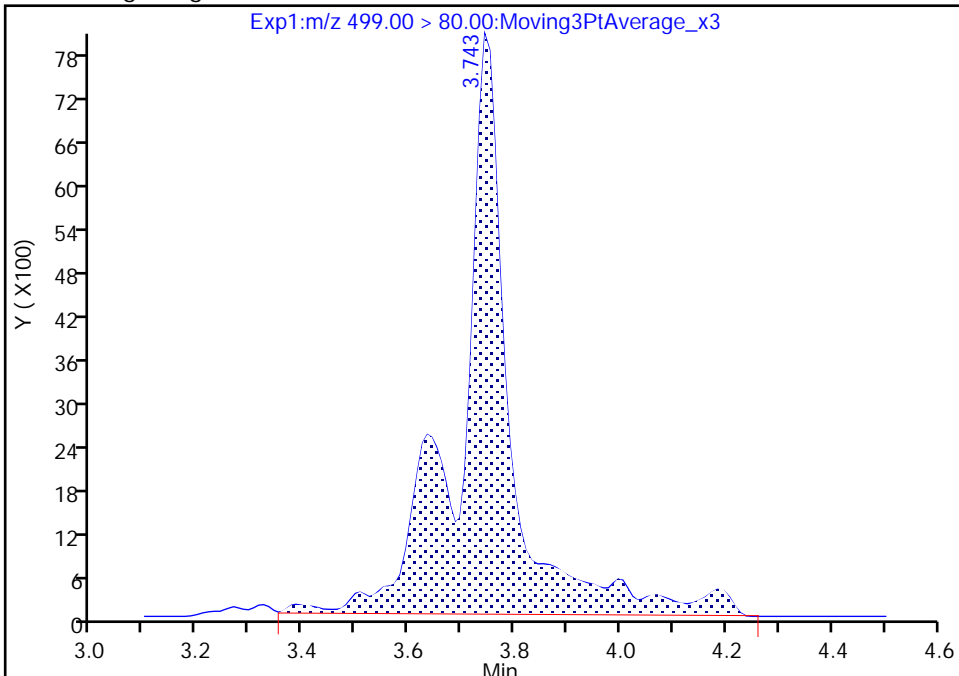
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A26.d
Injection Date: 08-Dec-2022 18:13:04 Instrument ID: LC812
Lims ID: 460-270515-A-3-A Lab Sample ID: 200-270515-3
Client ID: BCS-09-13_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 23 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

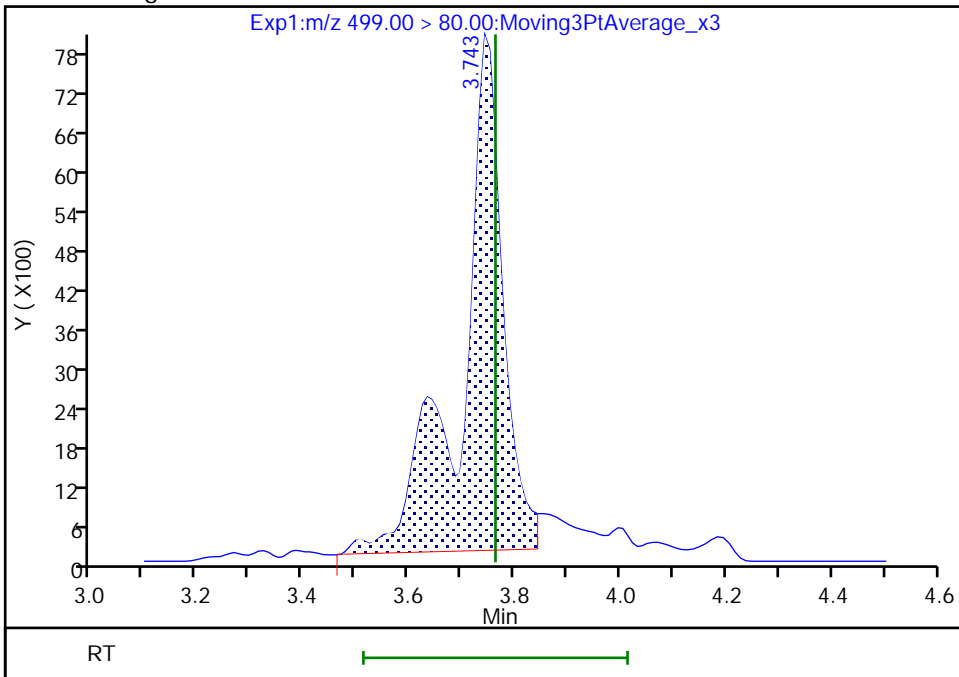
RT: 3.74
Area: 54394
Amount: 0.053752
Amount Units: ng/ml

Processing Integration Results



RT: 3.74
Area: 43390
Amount: 0.042878
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:31:45
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

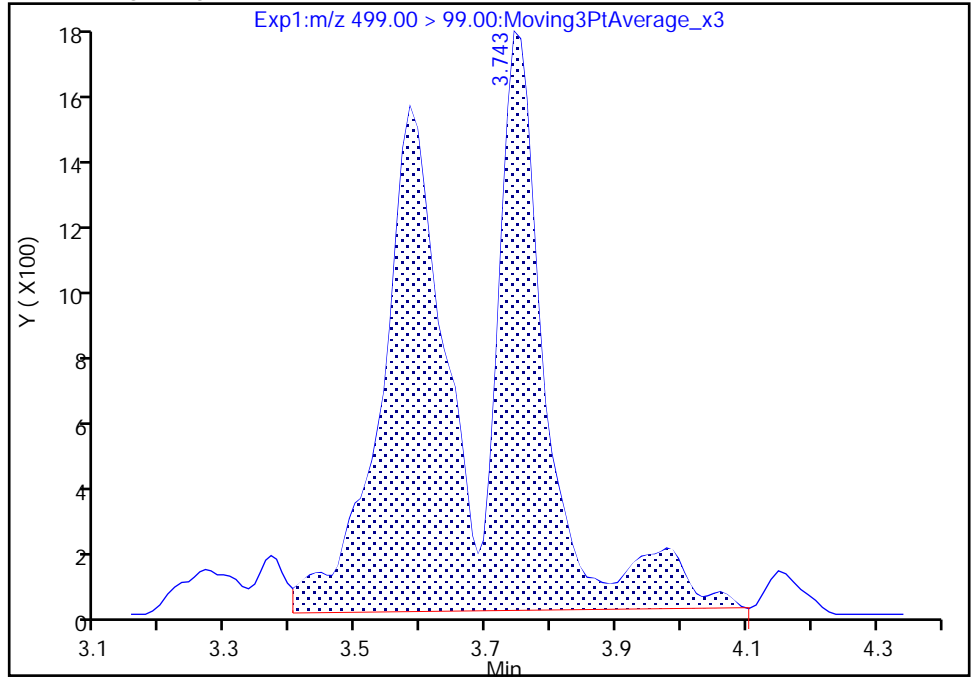
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A26.d
Injection Date: 08-Dec-2022 18:13:04 Instrument ID: LC812
Lims ID: 460-270515-A-3-A Lab Sample ID: 200-270515-3
Client ID: BCS-09-13_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 23 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

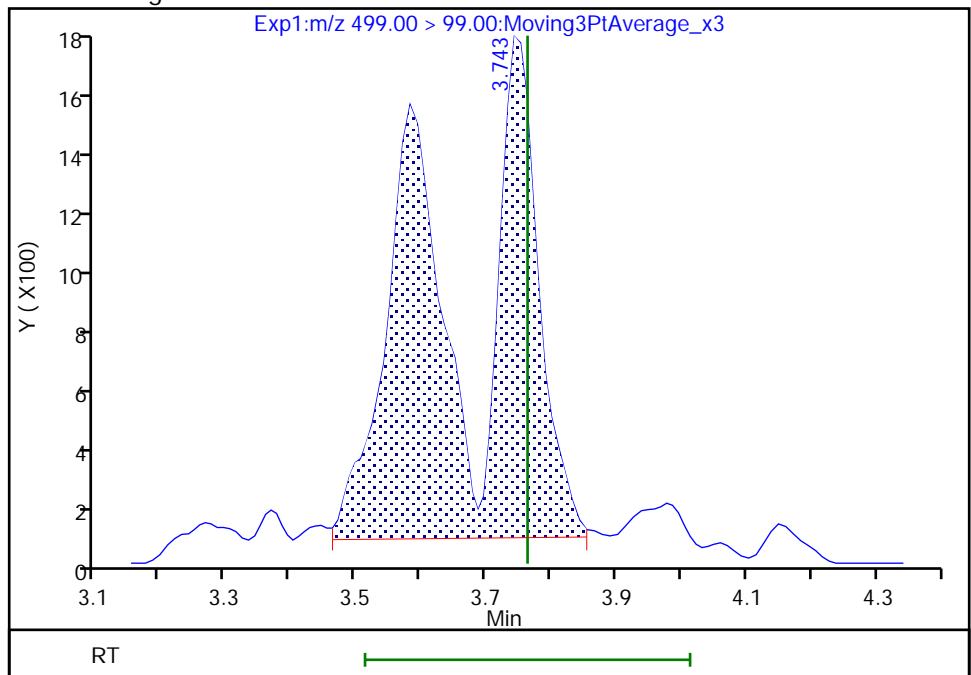
RT: 3.74
Area: 19229
Amount: 0.053752
Amount Units: ng/ml

Processing Integration Results



RT: 3.74
Area: 15714
Amount: 0.042878
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 13-Dec-2022 08:57:49

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

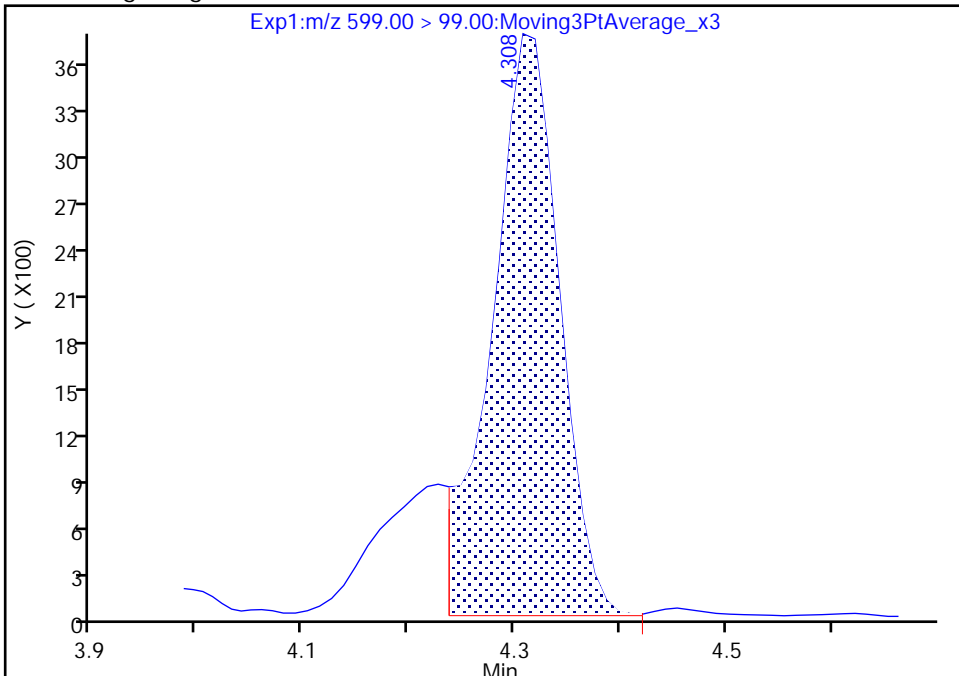
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A26.d
Injection Date: 08-Dec-2022 18:13:04 Instrument ID: LC812
Lims ID: 460-270515-A-3-A Lab Sample ID: 200-270515-3
Client ID: BCS-09-13_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 23 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

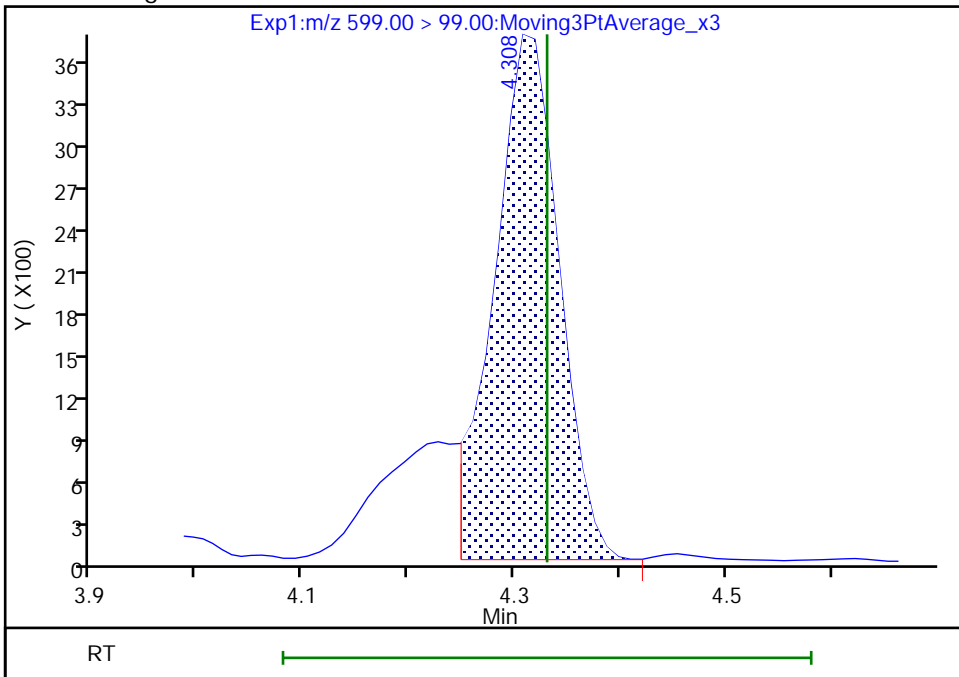
RT: 4.31
Area: 16338
Amount: 0.062011
Amount Units: ng/ml

Processing Integration Results



RT: 4.31
Area: 15672
Amount: 0.062168
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:32:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

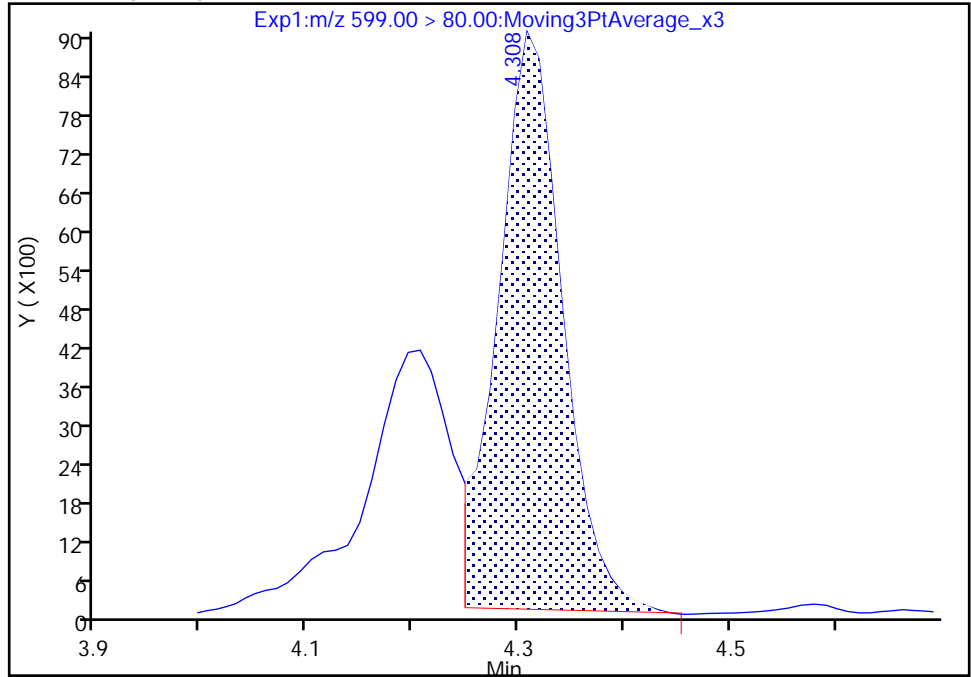
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A26.d
Injection Date: 08-Dec-2022 18:13:04 Instrument ID: LC812
Lims ID: 460-270515-A-3-A Lab Sample ID: 200-270515-3
Client ID: BCS-09-13_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 23 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

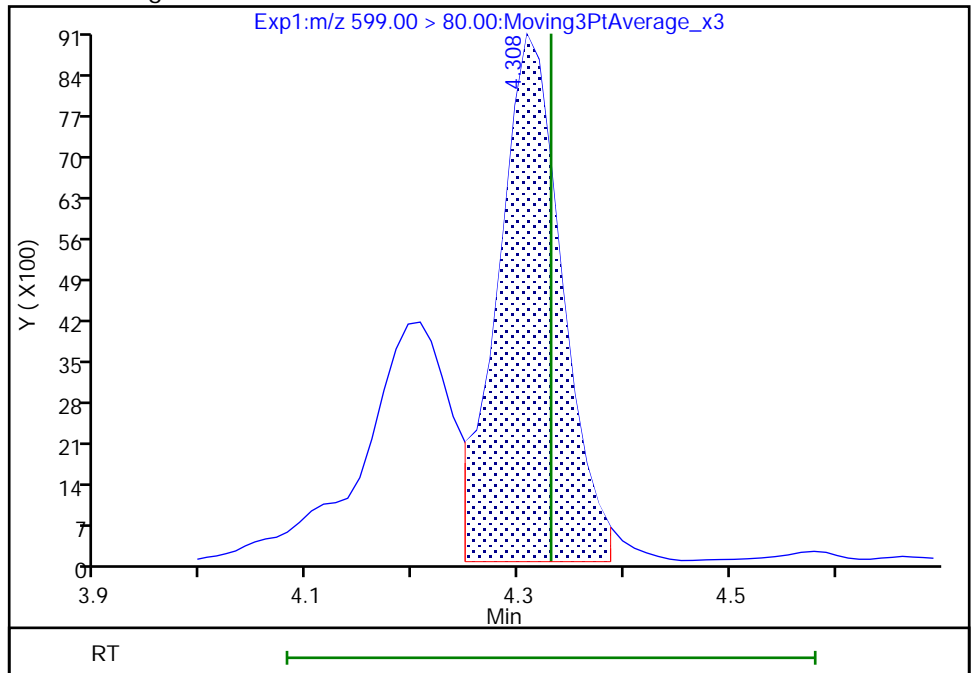
RT: 4.31
Area: 37397
Amount: 0.062011
Amount Units: ng/ml

Processing Integration Results



RT: 4.31
Area: 37492
Amount: 0.062168
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:32:45

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

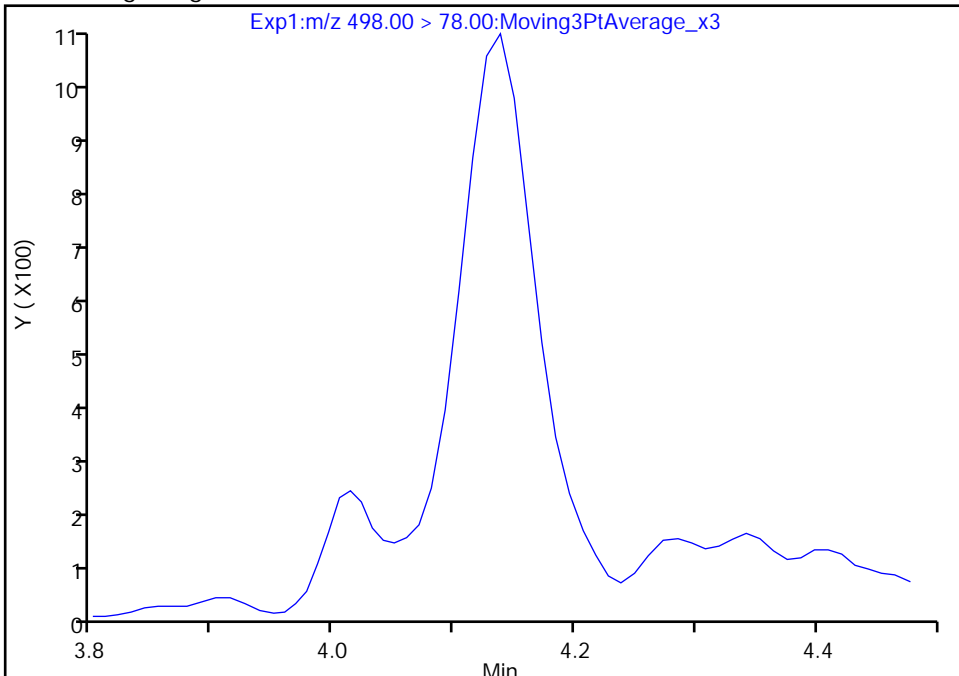
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A26.d
Injection Date: 08-Dec-2022 18:13:04 Instrument ID: LC812
Lims ID: 460-270515-A-3-A Lab Sample ID: 200-270515-3
Client ID: BCS-09-13_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 23 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

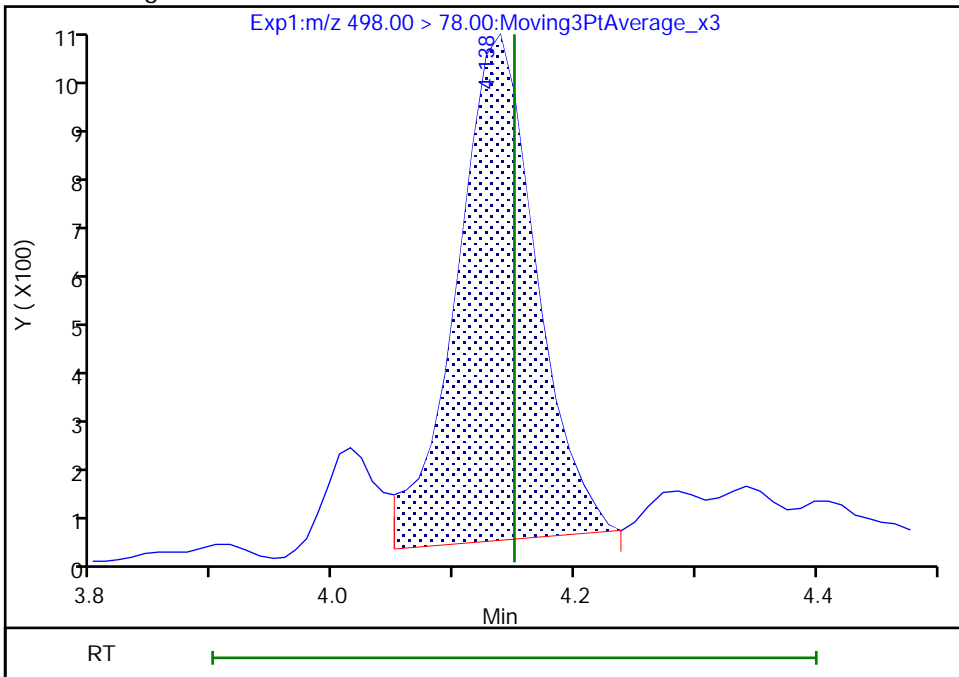
Processing Integration Results

Not Detected
Expected RT: 4.15



Manual Integration Results

RT: 4.14
Area: 4816
Amount: 0.003172
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 17:32:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

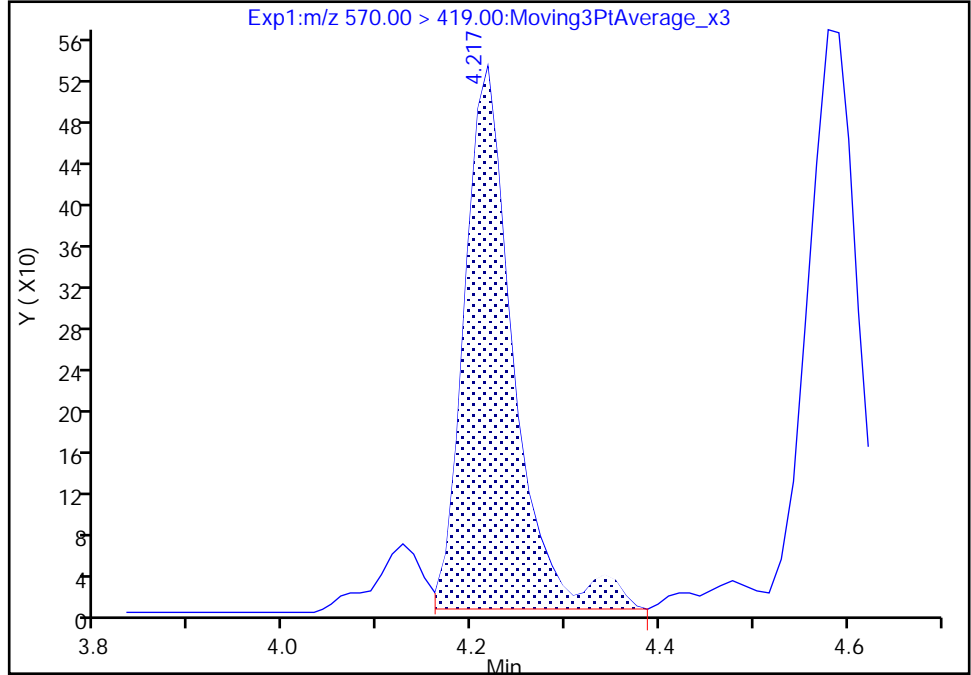
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A26.d
Injection Date: 08-Dec-2022 18:13:04 Instrument ID: LC812
Lims ID: 460-270515-A-3-A Lab Sample ID: 200-270515-3
Client ID: BCS-09-13_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 23 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

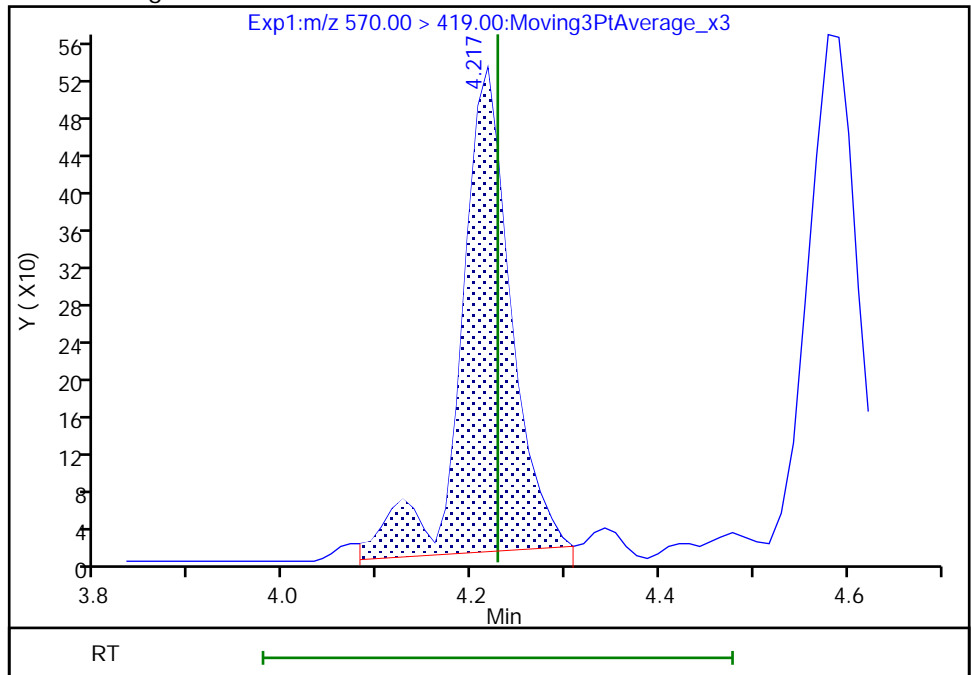
RT: 4.22
Area: 1923
Amount: -0.005893
Amount Units: ng/ml

Processing Integration Results



RT: 4.22
Area: 1933
Amount: -0.005863
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:32:29
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

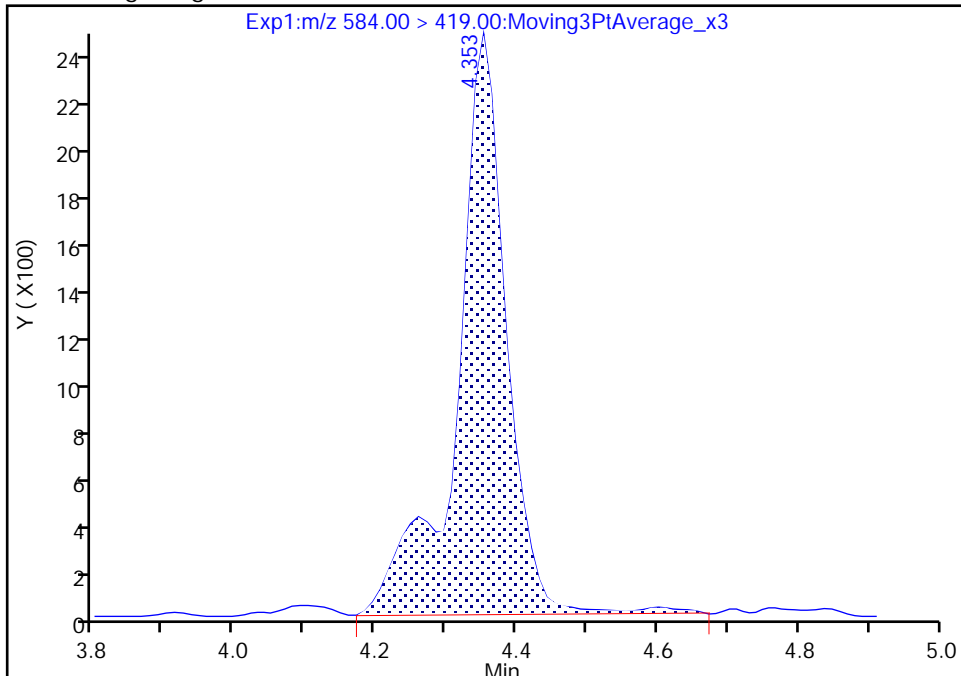
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A26.d
Injection Date: 08-Dec-2022 18:13:04 Instrument ID: LC812
Lims ID: 460-270515-A-3-A Lab Sample ID: 200-270515-3
Client ID: BCS-09-13_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 23 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

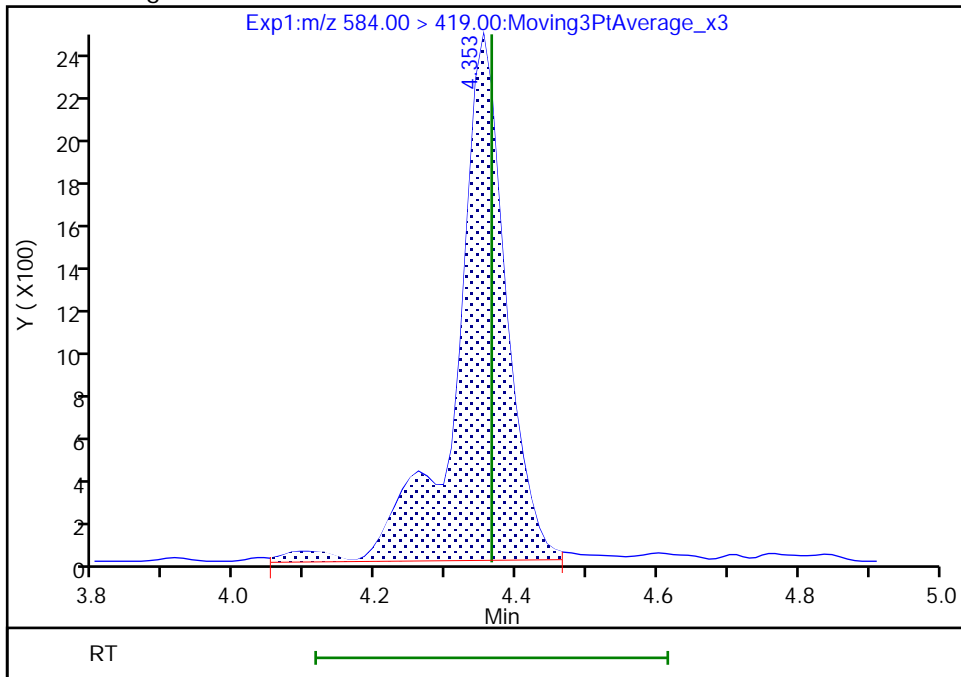
RT: 4.35
Area: 12111
Amount: 0.033519
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 12076
Amount: 0.033422
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:33:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

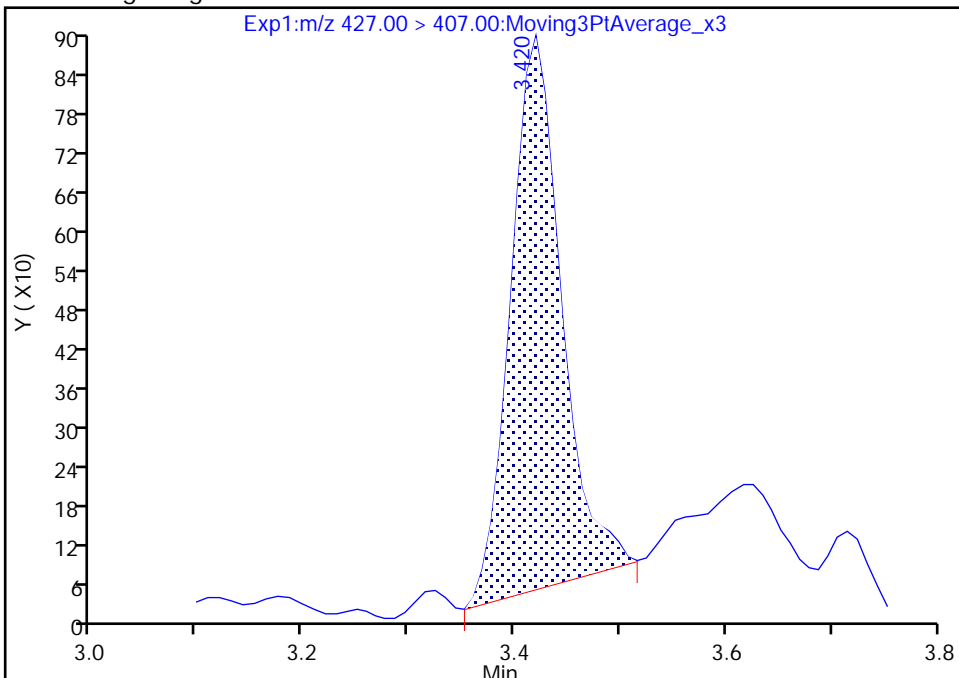
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A26.d
Injection Date: 08-Dec-2022 18:13:04 Instrument ID: LC812
Lims ID: 460-270515-A-3-A Lab Sample ID: 200-270515-3
Client ID: BCS-09-13_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 23 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

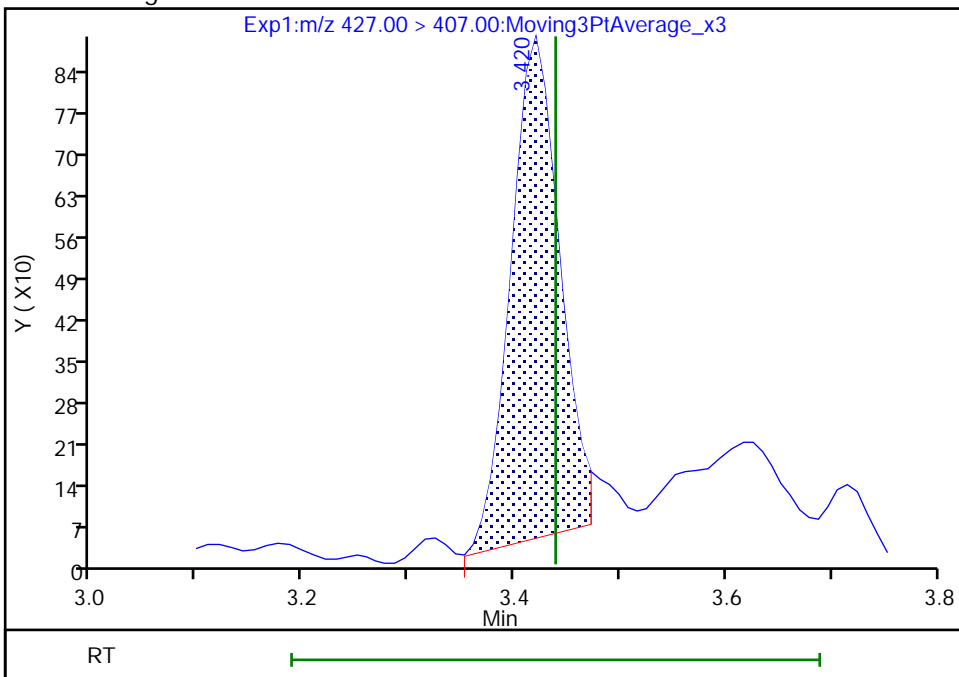
RT: 3.42
Area: 2839
Amount: -0.005662
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 2733
Amount: -0.005894
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:30:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

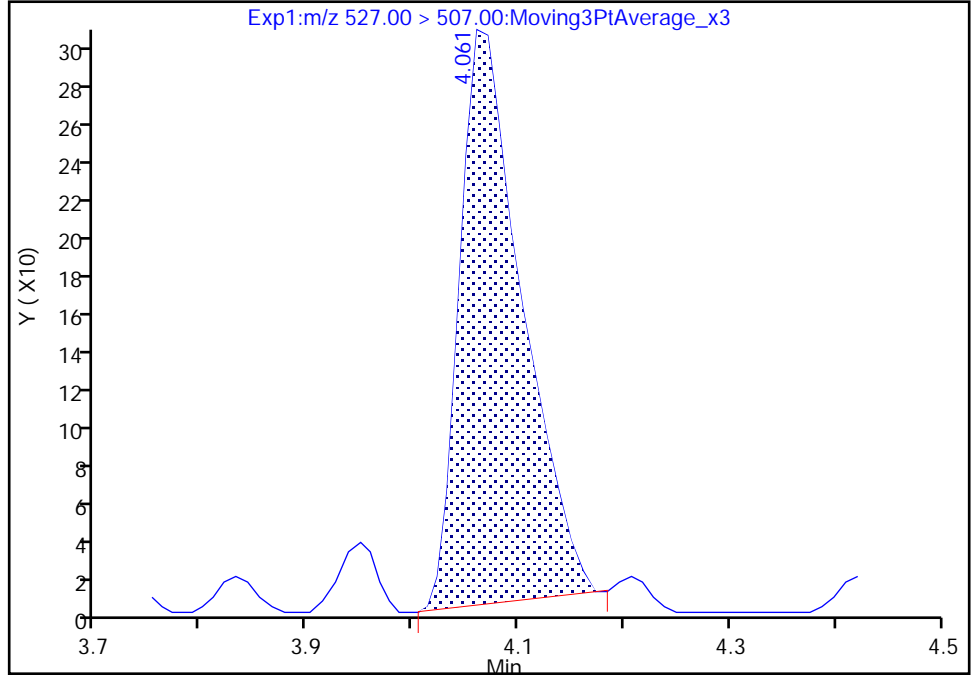
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A26.d
Injection Date: 08-Dec-2022 18:13:04 Instrument ID: LC812
Lims ID: 460-270515-A-3-A Lab Sample ID: 200-270515-3
Client ID: BCS-09-13_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 23 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

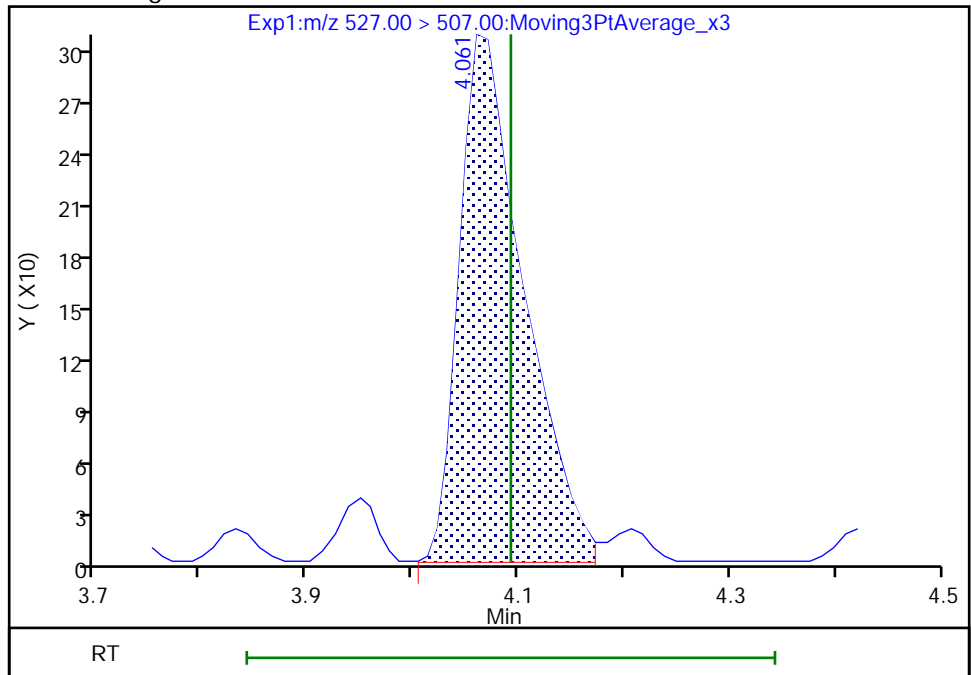
RT: 4.06
Area: 1251
Amount: 0.002599
Amount Units: ng/ml

Processing Integration Results



RT: 4.06
Area: 1303
Amount: 0.002708
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:32:14
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

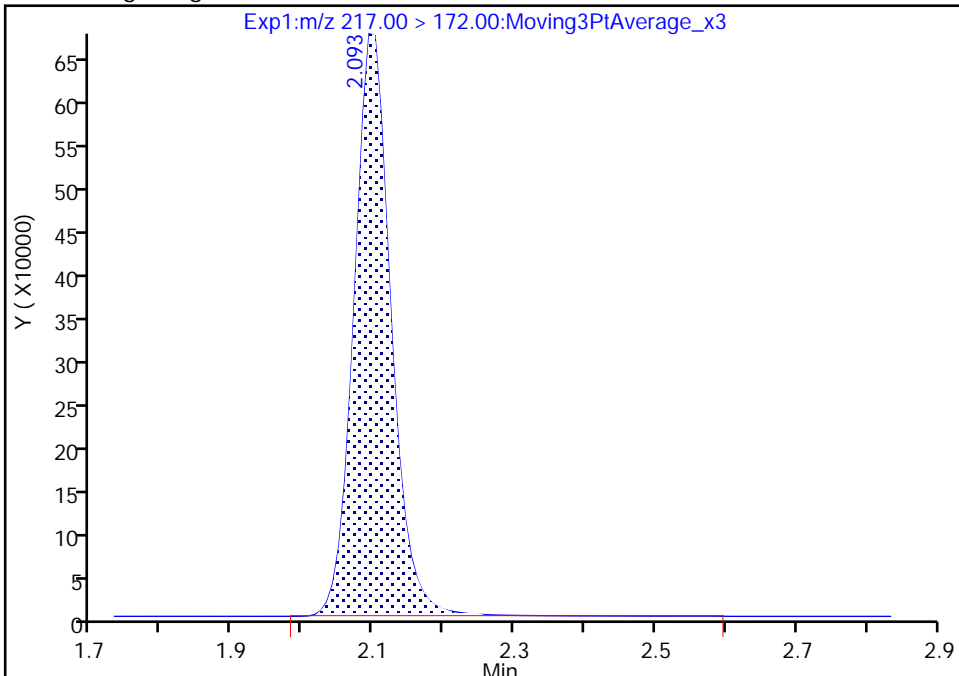
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A26.d
Injection Date: 08-Dec-2022 18:13:04 Instrument ID: LC812
Lims ID: 460-270515-A-3-A Lab Sample ID: 200-270515-3
Client ID: BCS-09-13_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 23 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

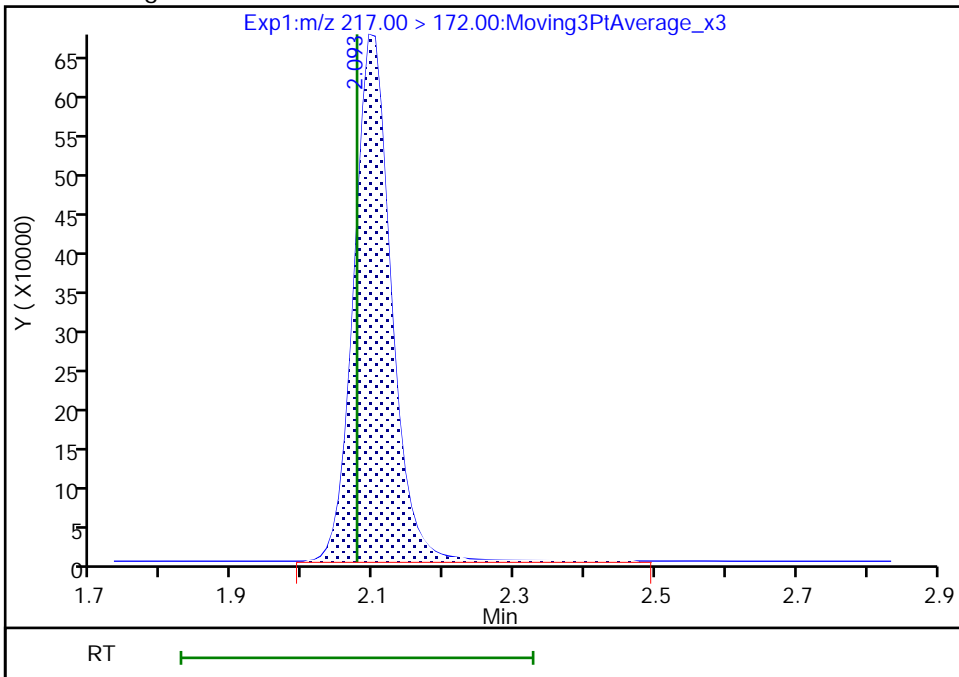
RT: 2.09
Area: 2459689
Amount: 1.044180
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 2456653
Amount: 1.042891
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:28:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

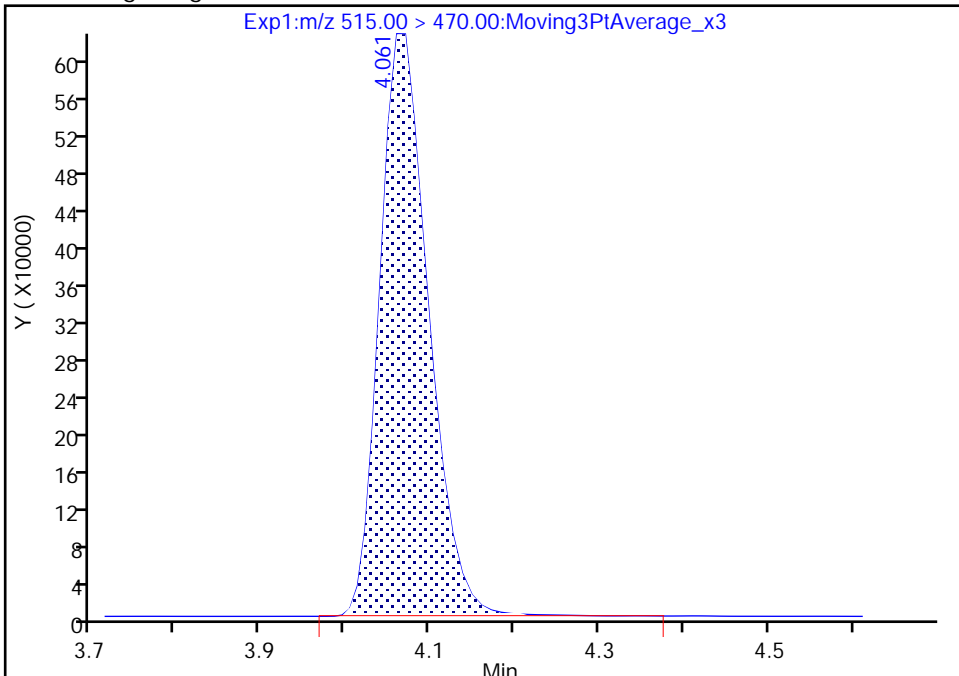
Data File:	\\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A26.d		
Injection Date:	08-Dec-2022 18:13:04	Instrument ID:	LC812
Lims ID:	460-270515-A-3-A	Lab Sample ID:	200-270515-3
Client ID:	BCS-09-13_(5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	26

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

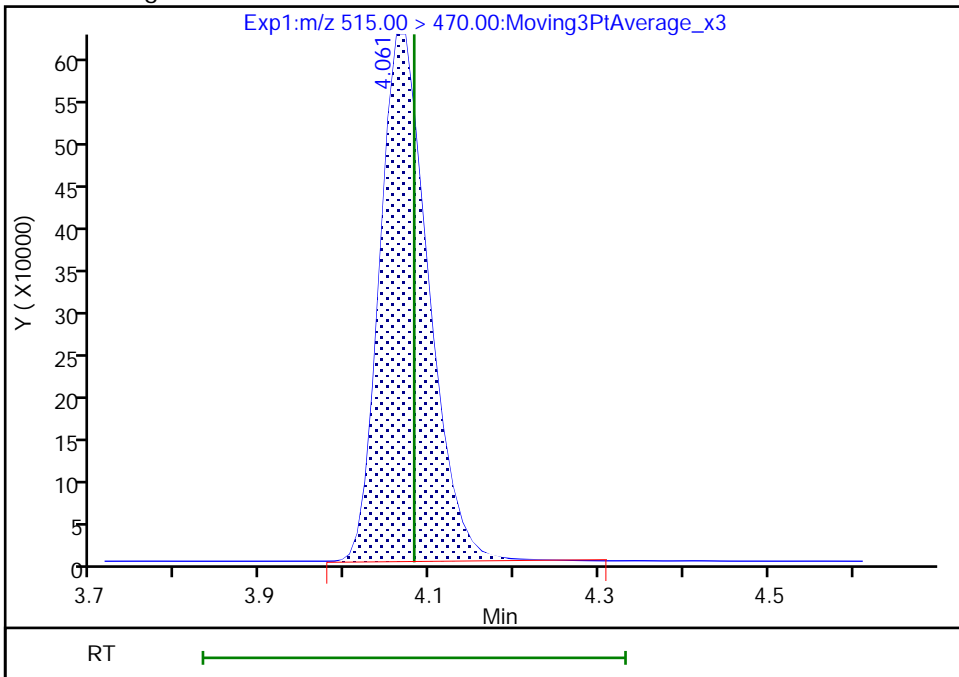
RT: 4.06
 Area: 2514337
 Amount: 1.168138
 Amount Units: ng/ml

Processing Integration Results



RT: 4.06
 Area: 2511319
 Amount: 1.166736
 Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:28:38
 Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

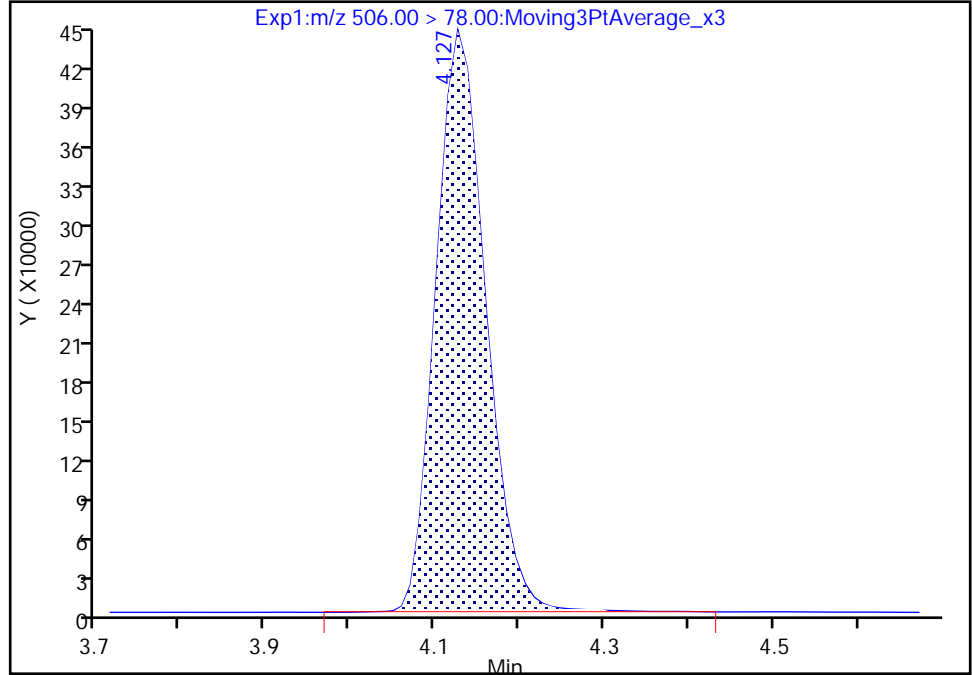
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A26.d
Injection Date: 08-Dec-2022 18:13:04 Instrument ID: LC812
Lims ID: 460-270515-A-3-A Lab Sample ID: 200-270515-3
Client ID: BCS-09-13_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 23 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056
Signal: 1

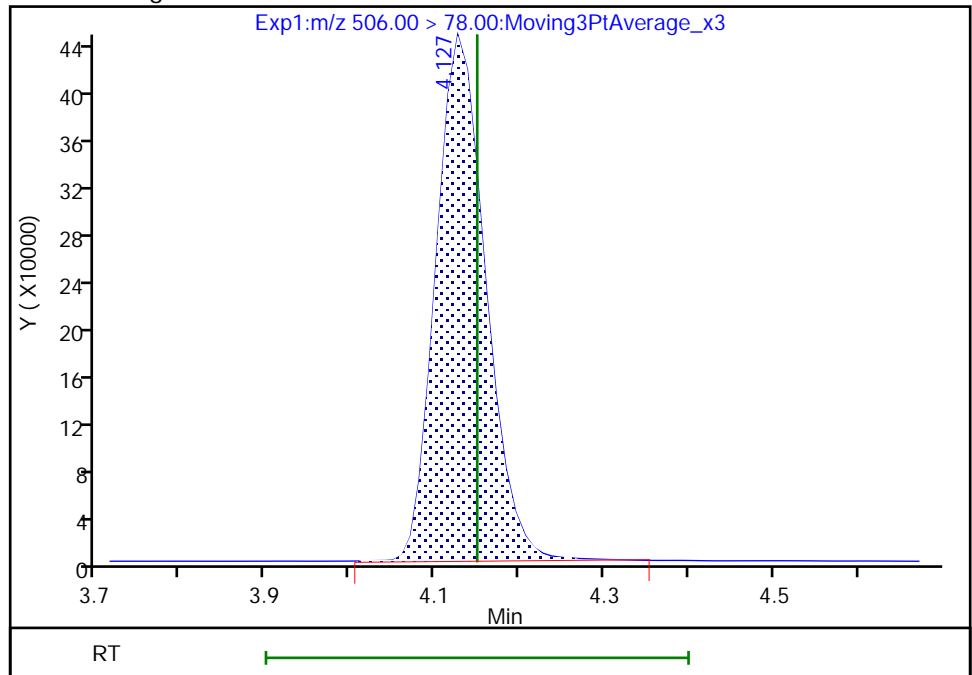
RT: 4.13
Area: 1824034
Amount: 1.033655
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 1816801
Amount: 1.029557
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:28:44
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

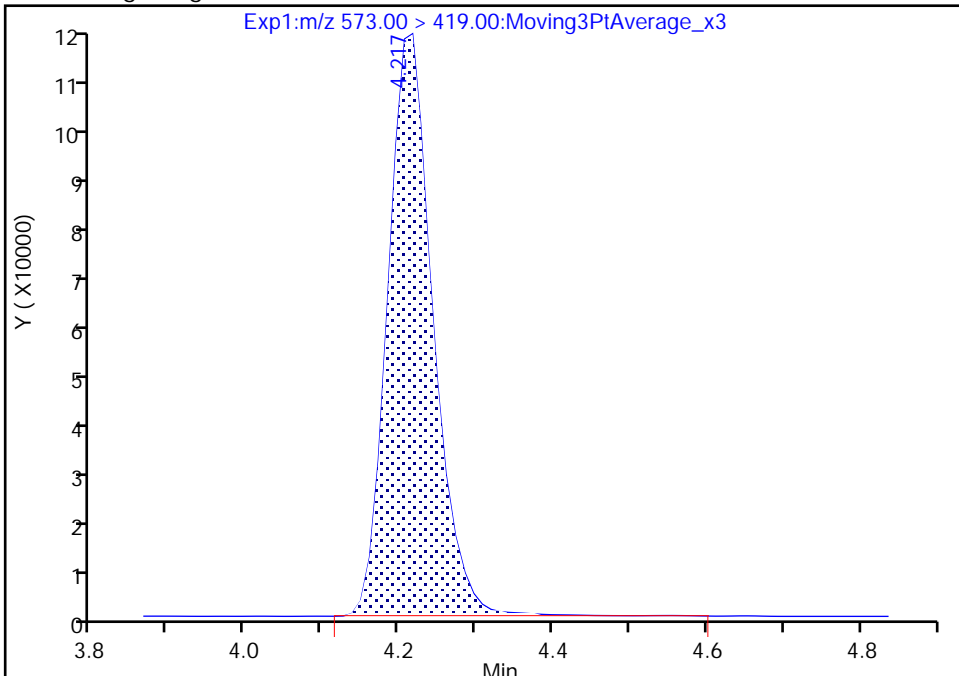
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Injection Date: 08-Dec-2022 18:13:04 Instrument ID: LC812
Lims ID: 460-270515-A-3-A Lab Sample ID: 200-270515-3
Client ID: BCS-09-13_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 23 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

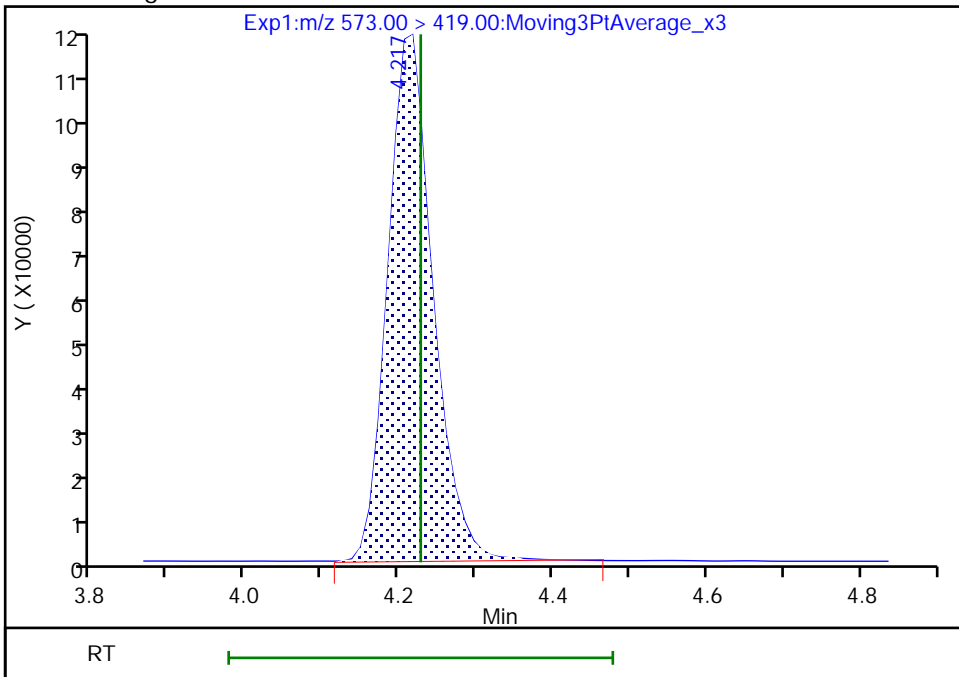
RT: 4.22
Area: 489215
Amount: 1.116277
Amount Units: ng/ml

Processing Integration Results



RT: 4.22
Area: 487333
Amount: 1.111983
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:28:48
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

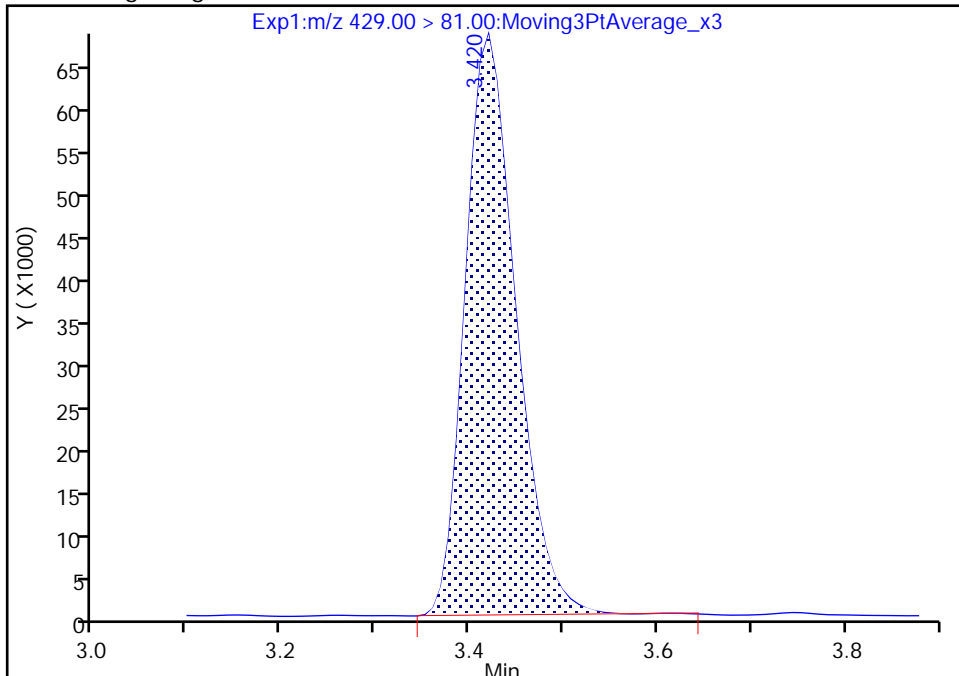
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Injection Date: 08-Dec-2022 18:13:04 Instrument ID: LC812
Lims ID: 460-270515-A-3-A Lab Sample ID: 200-270515-3
Client ID: BCS-09-13_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 23 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 12 M2-6:2 FTS, CAS: STL02279

Signal: 1

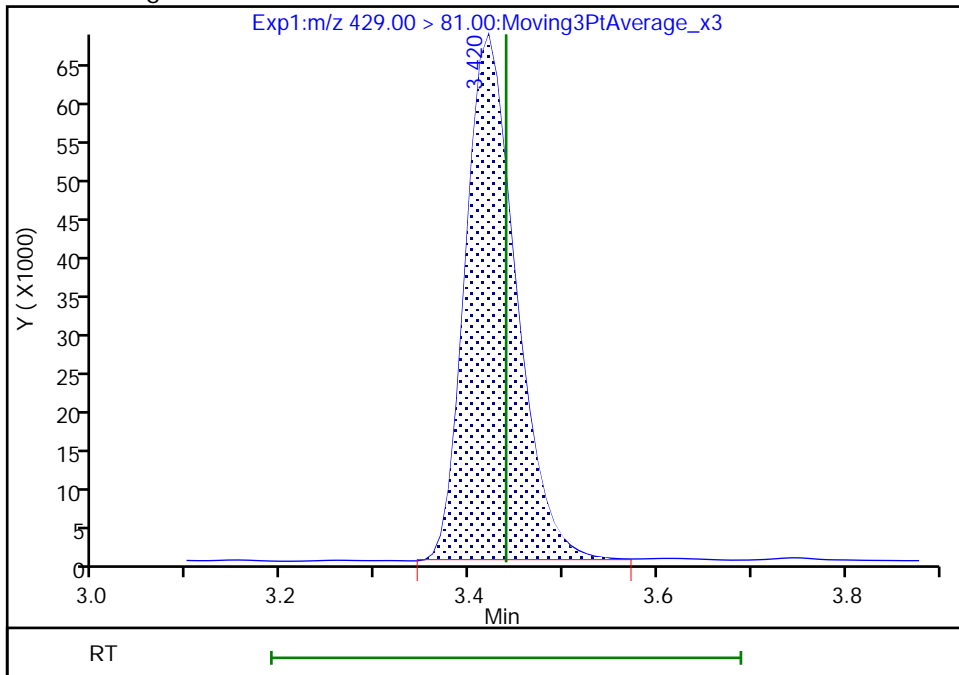
RT: 3.42
Area: 257718
Amount: 1.082361
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 256957
Amount: 1.079165
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:28:32
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

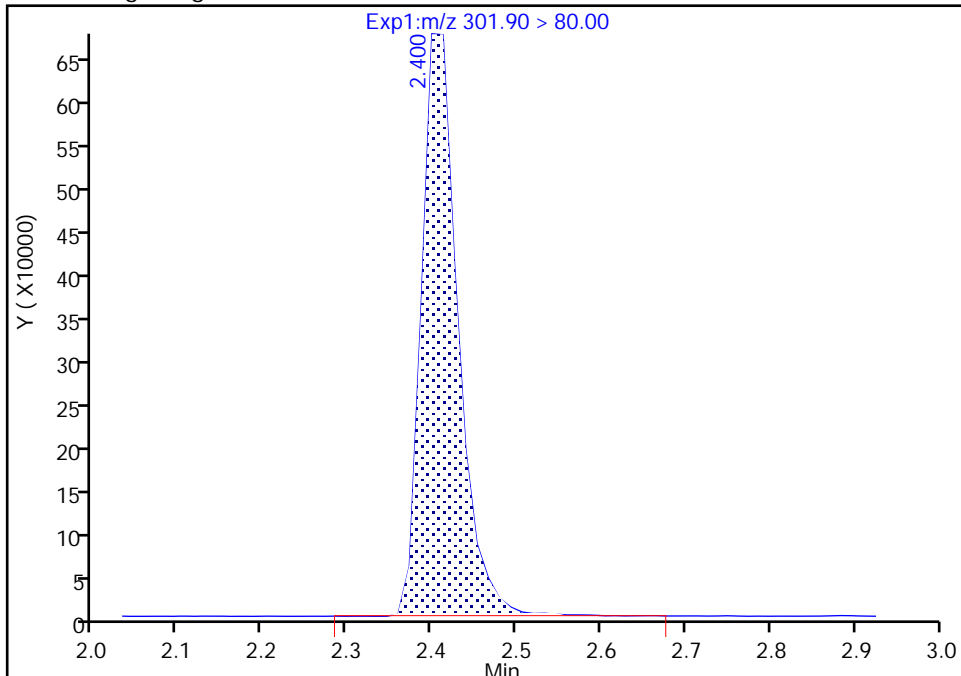
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Injection Date: 08-Dec-2022 18:13:04 Instrument ID: LC812
Lims ID: 460-270515-A-3-A Lab Sample ID: 200-270515-3
Client ID: BCS-09-13_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 23 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

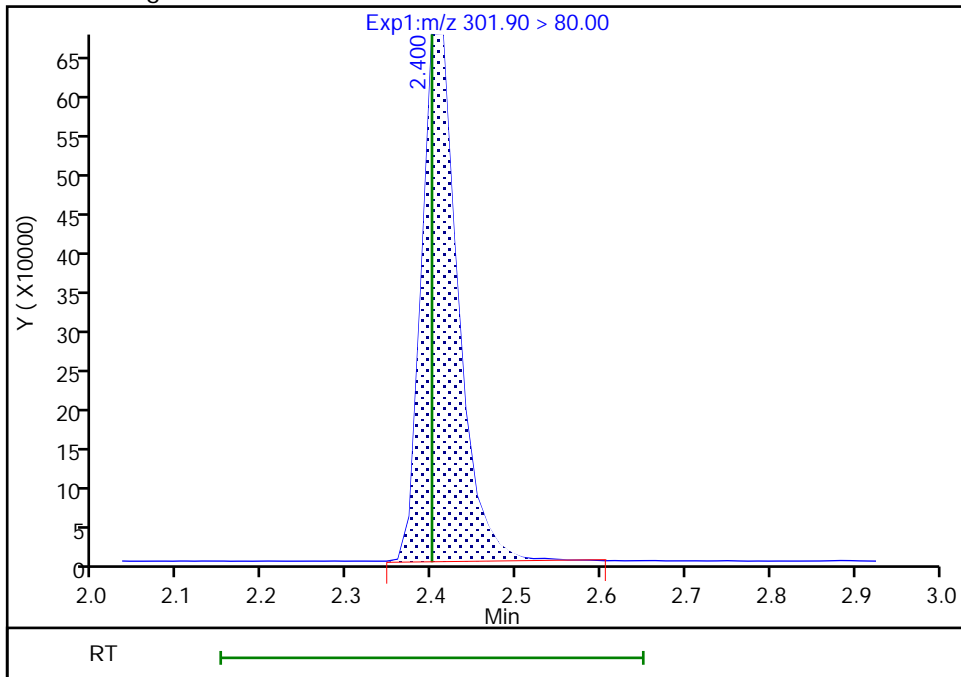
RT: 2.40
Area: 2032418
Amount: 1.042730
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 2028402
Amount: 1.040669
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:28:21
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Client Sample ID: BCS-09-14_(5-5.5)P Lab Sample ID: 460-270515-4
 Matrix: Solid Lab File ID: PA221208A27.d
 Analysis Method: 537 (modified) Date Collected: 12/01/2022 12:21
 Extraction Method: SHAKE Date Extracted: 12/07/2022 08:59
 Sample wt/vol: 5.04(g) Date Analyzed: 12/08/2022 18:21
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: 14.9 % Solids: 85.1 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186513 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.58	U	0.58	0.38
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.075	J	0.23	0.064
307-24-4	Perfluorohexanoic acid (PFHxA)	0.090	J	0.23	0.054
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.23	U	0.23	0.045
335-67-1	Perfluorooctanoic acid (PFOA)	0.12	J	0.23	0.068
375-95-1	Perfluorononanoic acid (PFNA)	0.23	U	0.23	0.040
335-76-2	Perfluorodecanoic acid (PFDA)	0.043	J	0.23	0.033
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.23	U	0.23	0.031
307-55-1	Perfluorododecanoic acid (PFDoA)	0.23	U	0.23	0.029
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.23	U	0.23	0.029
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.23	U	0.23	0.030
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.23	U	0.23	0.038
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.23	U	0.23	0.048
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.23	U	0.23	0.027
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.23	U	0.23	0.13
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.21	J	0.23	0.022
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.23	U	0.23	0.040
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.33	U	2.33	0.13
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.33	U	2.33	0.097
27619-97-2	6:2 FTS	2.33	U	2.33	0.066
39108-34-4	8:2 FTS	2.33	U	2.33	0.043

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Client Sample ID: BCS-09-14_(5-5.5)P Lab Sample ID: 460-270515-4
 Matrix: Solid Lab File ID: PA221208A27.d
 Analysis Method: 537 (modified) Date Collected: 12/01/2022 12:21
 Extraction Method: SHAKE Date Extracted: 12/07/2022 08:59
 Sample wt/vol: 5.04(g) Date Analyzed: 12/08/2022 18:21
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: 14.9 % Solids: 85.1 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186513 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	86		50-150
STL01892	13C4 PFHpA	86		50-150
STL00990	13C4 PFOA	88		50-150
STL00991	13C4 PFOS	84		50-150
STL00995	13C5 PFNA	89		50-150
STL00992	13C4 PFBA	83		50-150
STL00993	13C2 PFHxA	89		50-150
STL00996	13C2 PFDA	96		50-150
STL00997	13C2 PFUnA	97		50-150
STL00998	13C2 PFDoA	96		50-150
STL01056	13C8 FOSA	82		50-150
STL01893	13C5 PFPeA	80		50-150
STL02116	13C2 PFTeDA	99		50-150
STL02118	d3-NMeFOSAA	87		50-150
STL02117	d5-NEtFOSAA	94		50-150
STL02279	M2-6:2 FTS	87		50-150
STL02280	M2-8:2 FTS	93		50-150
STL02337	13C3 PFBS	82		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A27.d
 Lims ID: 460-270515-A-4-A
 Client ID: BCS-09-14_(5-5.5)P
 Sample Type: Client
 Inject. Date: 08-Dec-2022 18:21:15 ALS Bottle#: 24 Worklist Smp#: 27
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 460-270515-A-4-A
 Misc. Info.: 200-0053607-027 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 13-Dec-2022 09:03:28 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1634

First Level Reviewer: nampitakw Date: 09-Dec-2022 17:40:24
 Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA	217.00 > 172.00	2.085	2.076	0.009	0.608	2460839	1.04	83.1	8441	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.093	2.076	0.017	1.004	86509	0.0426		7.8		M
D 3 13C5 PFPeA	267.90 > 223.00	2.386	2.387	-0.001	0.696	1801429	1.00	79.9	3010	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.386	2.387	-0.001	1.000	50513	0.0322		1.0		M
D 47 13C3 PFBS	301.90 > 80.00	2.400	2.400	0.0	0.700	1871369	0.9552	82.2	159370	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.413	2.400	0.013	1.006	7953	0.004318	Target=2.09	6.4		M
298.90 > 99.00	2.400	2.400	0.0	1.000	4148		1.92(1.04-3.13)	1.3		M
D 7 13C2 PFHxA	315.00 > 270.00	2.725	2.725	0.0	0.795	2111006	1.12	89.4	3829	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.725	2.725	0.0	1.000	71392	0.0388	Target=14.25	10.1		M
313.00 > 119.00	2.725	2.725	0.0	1.000	6234		11.45(7.12-21.37)	8.0		M
D 11 18O2 PFHxS	403.00 > 84.00	3.076	3.088	-0.012	0.897	1457133	1.02	86.3	3729	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.076	3.088	-0.012	1.000	8185	0.005885	Target=3.66	8.6		M
399.00 > 99.00	3.076	3.088	-0.012	1.000	4145		1.97(1.83-5.49)	2.8		M
D 9 13C4 PFHpA	367.00 > 322.00	3.076	3.099	-0.023	0.897	2078646	1.07	85.6	4048	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.076	3.099	-0.023	1.000	32213	0.0178	Target=3.97	4.2		M
363.00 > 169.00	3.076	3.099	-0.023	1.000	8645		3.73(1.98-5.95)	20.7		

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 12 M2-6:2 FTS										
429.00 > 81.00	3.420	3.439	-0.019	0.997	247733	1.04		87.2	359	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.429	3.439	-0.010	1.003	2602	-0.005968			10.9	
D 14 13C4 PFOA										
417.00 > 372.00	3.429	3.448	-0.019	1.000	2413293	1.10		88.4	5480	
* 62 13C2 PFOA										
415.00 > 370.00	3.429	3.448	-0.019		2638607	1.25			3786	M
15 Perfluorooctanoic acid										
413.00 > 369.00	3.429	3.448	-0.019	1.000	101900	0.0494	Target=2.79		6.0	
413.00 > 169.00	3.429	3.448	-0.019	1.000	34085		2.99(1.40-4.19)		49.3	
D 18 13C4 PFOS										
503.00 > 80.00	3.744	3.764	-0.020	1.092	968867	1.00		83.7	1380	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.744	3.764	-0.020	1.000	46039	0.0467	Target=5.11		34.0	M
499.00 > 99.00	3.744	3.764	-0.020	1.000	16390		2.81(2.55-7.66)		17.5	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.772	3.783	-0.011	1.003	11663	0.005941	Target=8.55		2.1	M
463.00 > 169.00	3.763	3.783	-0.020	1.000	2646		4.41(4.28-12.83)		19.6	M
D 19 13C5 PFNA										
468.00 > 423.00	3.763	3.783	-0.020	1.097	2365397	1.11		89.1	4813	
D 23 13C2 PFDA										
515.00 > 470.00	4.061	4.081	-0.020	1.184	2584588	1.19		95.6	5310	
24 Perfluorodecanoic acid										
513.00 > 469.00	4.061	4.081	-0.020	1.000	41786	0.0186	Target=10.26		10.5	M
513.00 > 169.00	4.061	4.081	-0.020	1.000	4692		8.91(5.13-15.38)		12.9	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.071	4.093	-0.022	1.187	326234	1.11		93.1	667	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.071	4.093	-0.022	1.000	1305	0.002962			15.8	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.127	4.150	-0.023	1.000	5198	0.003439			14.6	M
D 21 13C8 FOSA										
506.00 > 78.00	4.127	4.150	-0.023	1.204	1808416	1.02		81.6	3424	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.207	4.228	-0.021	1.227	481621	1.09		87.5	1579	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.207	4.228	-0.021	1.000	2038	-0.005478			4.7	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.308	4.331	-0.023	1.151	53330	0.0908	Target=2.51		19.3	M
599.00 > 99.00	4.308	4.331	-0.023	1.151	22493		2.37(1.25-3.76)		37.5	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.331	4.353	-0.022	1.263	2403363	1.21		97.0	2407	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.331	4.353	-0.022	1.000	8538	0.004406	Target=9.88		2.4	M
563.00 > 169.00	4.331	4.353	-0.022	1.000	1209		7.06(4.94-14.82)		11.3	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.353	4.365	-0.012	1.003	13526	0.0369			99.2	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.342	4.365	-0.023	1.266	511985	1.18		94.4	994	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.580	4.591	-0.011	1.003	15920	0.007783	Target=7.77		1.8	M
613.00 > 169.00	4.567	4.591	-0.024	1.000	2573		6.19(3.89-11.66)		25.7	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.567	4.591	-0.024	1.332	2413206	1.20		95.6	4439	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	4.992	5.012	-0.020	1.000	642	0.002718	Target=0.89		10.3	M
713.00 > 219.00	4.982	5.012	-0.030	0.998	891		0.72(0.44-1.33)		7.9	
D 43 13C2 PFTeDA										
715.00 > 670.00	4.992	5.012	-0.020	1.456	2156795	1.24		98.8	5037	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromf\Burlington\ChromData\LC812\20221208-53607.b\PA221208A27.d

Injection Date: 08-Dec-2022 18:21:15

Instrument ID: LC812

Lims ID: 460-270515-A-4-A

Lab Sample ID: 200-270515-4

Client ID: BCS-09-14_(5-5.5)P

Operator ID: lc812tech

ALS Bottle#: 24

Worklist Smp#: 27

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

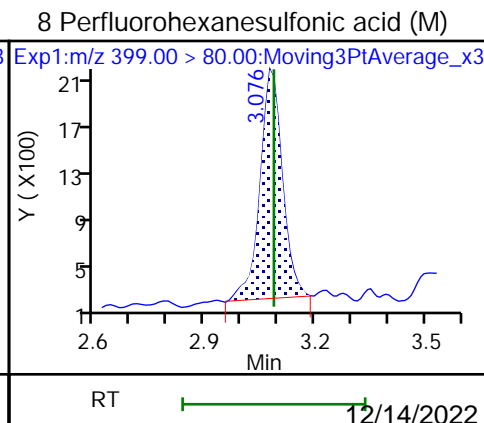
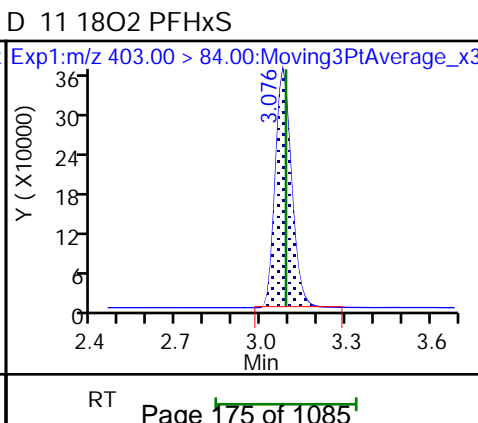
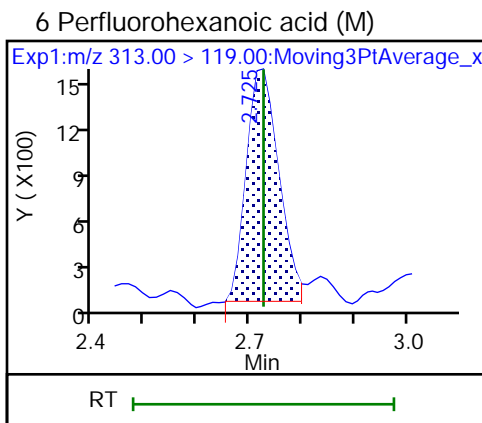
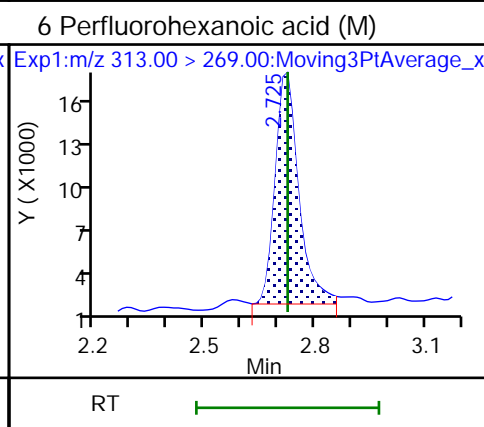
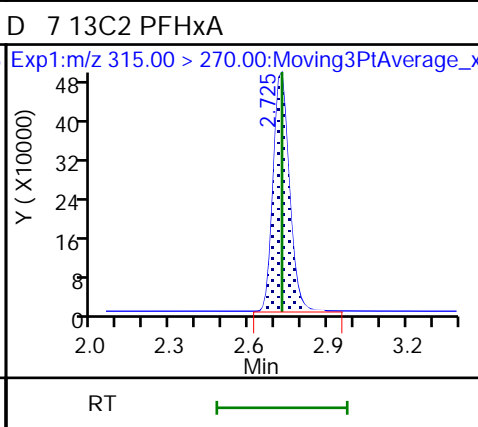
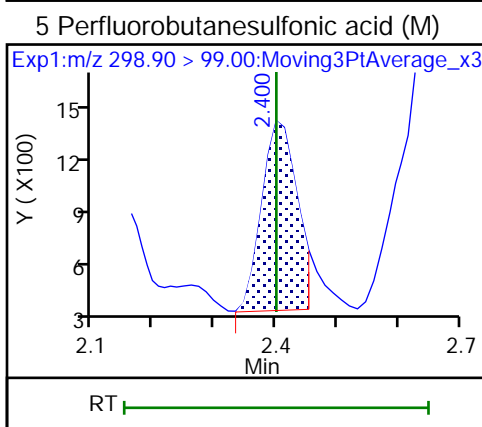
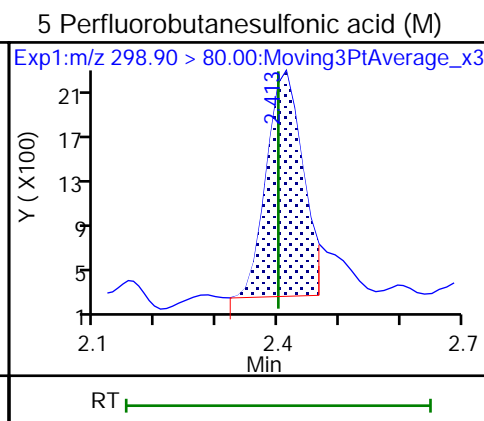
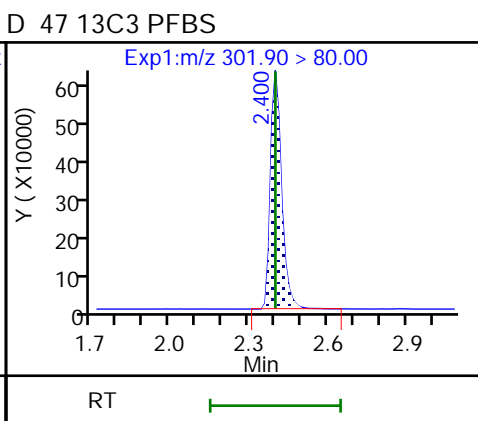
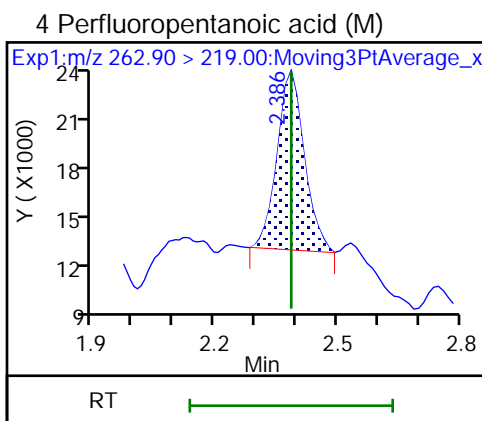
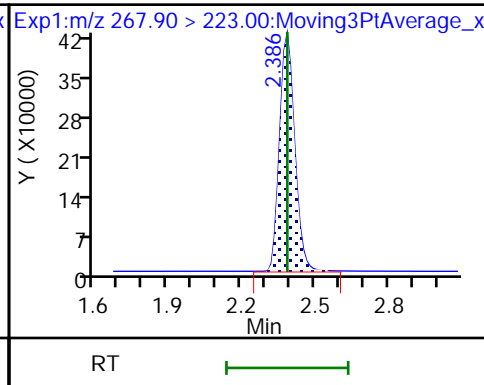
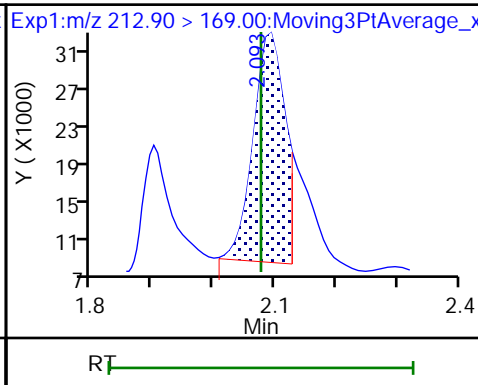
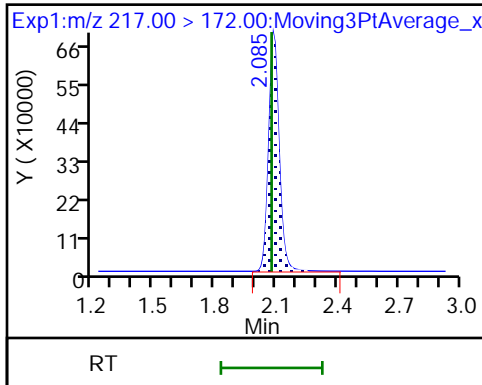
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

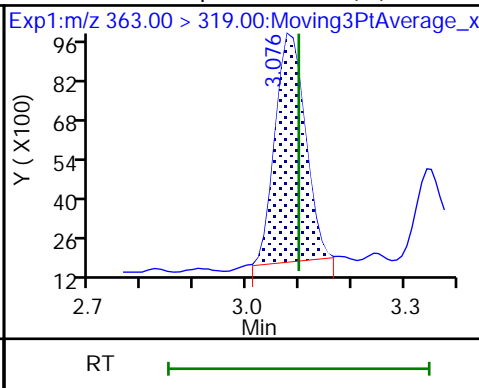
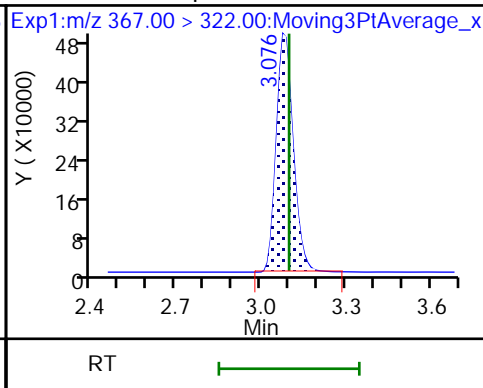
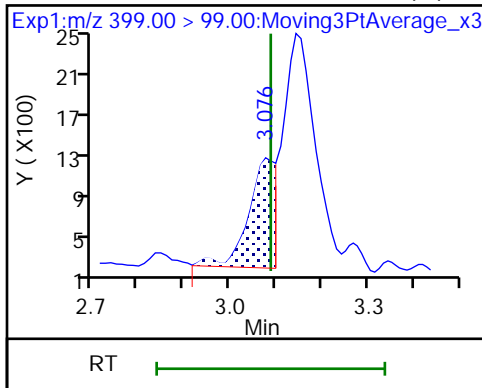
D 3 13C5 PFPeA



8 Perfluorohexanesulfonic acid (M)

D 9 13C4 PFHpA

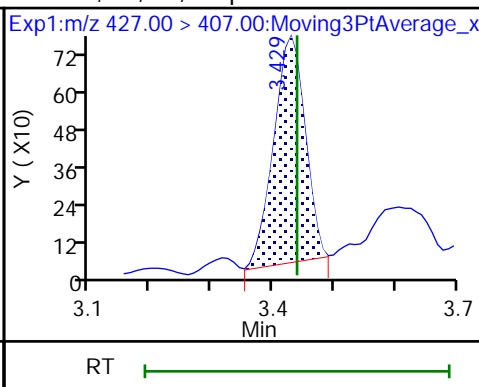
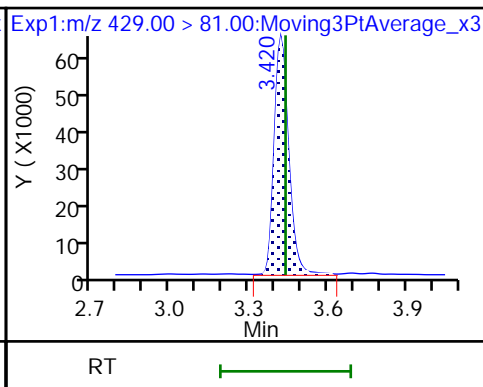
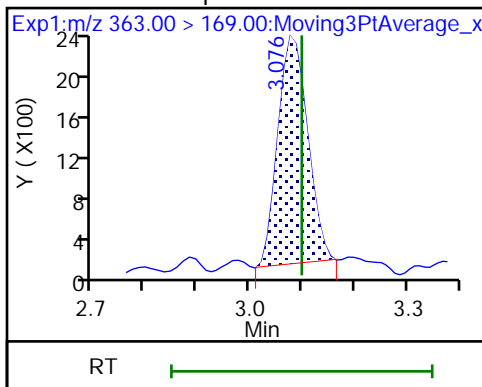
10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid

D 12 M2-6:2 FTS

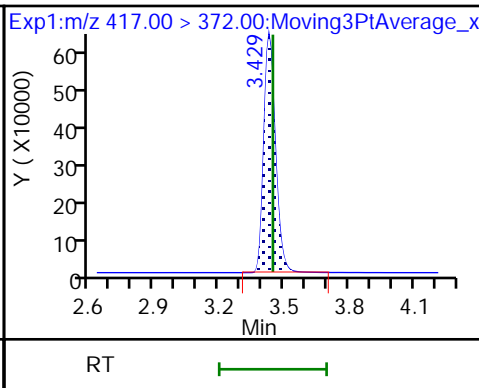
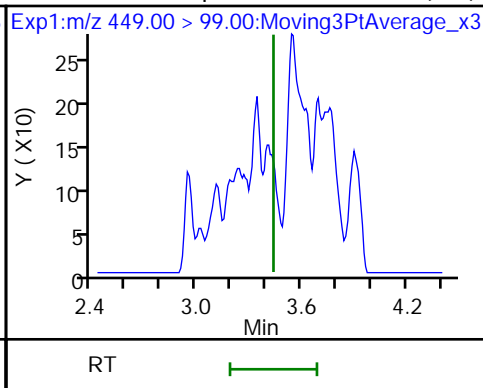
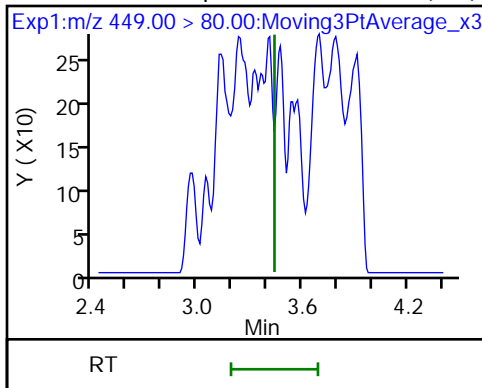
13 1H,1H,2H,2H-perfluorooctanesulfo



16 Perfluoroheptanesulfonic acid (ND)

16 Perfluoroheptanesulfonic acid (ND)

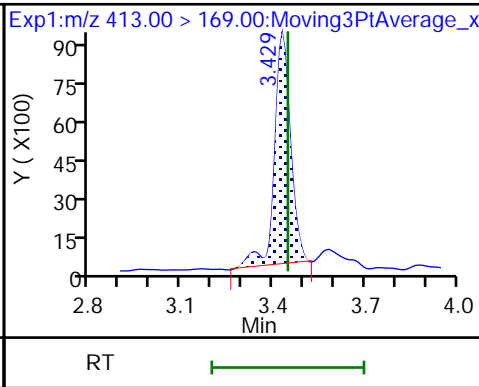
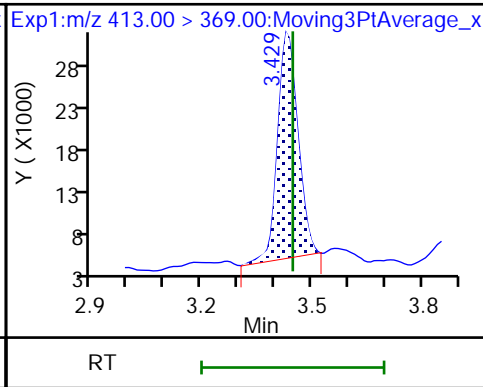
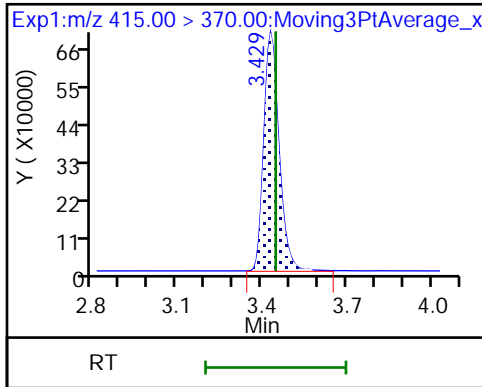
D 14 13C4 PFOA



* 62 13C2 PFOA (M)

15 Perfluorooctanoic acid

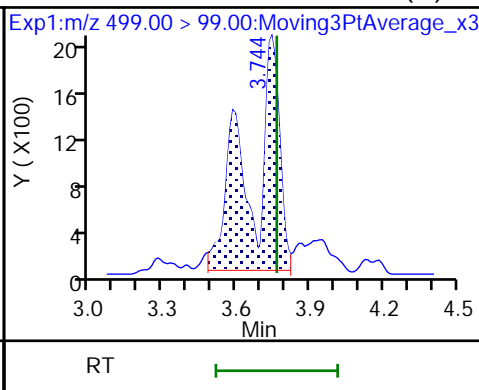
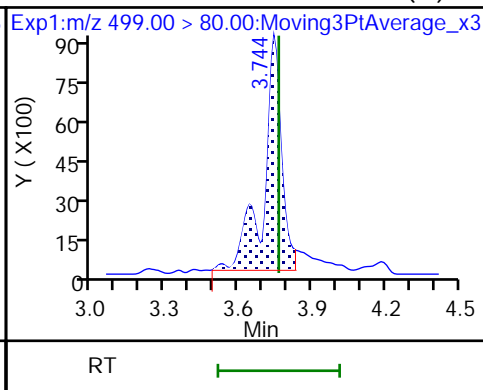
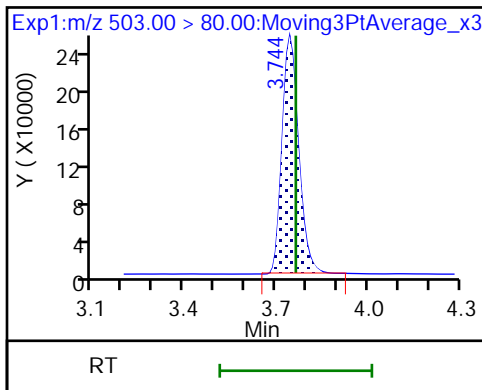
15 Perfluorooctanoic acid



D 18 13C4 PFOS

17 Perfluorooctanesulfonic acid (M)

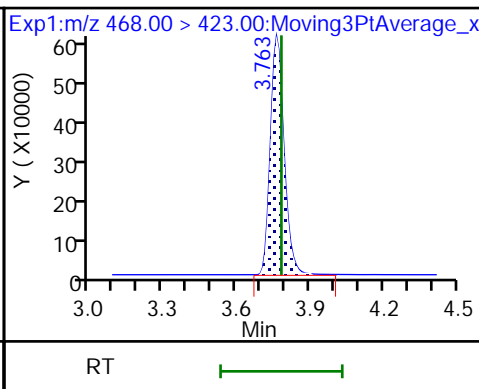
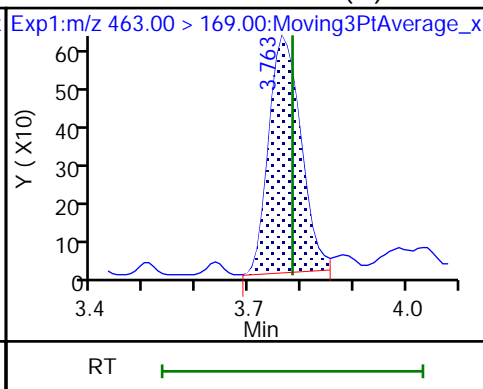
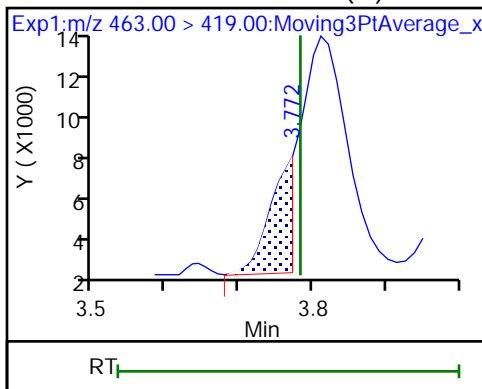
17 Perfluorooctanesulfonic acid (M)



20 Perfluorononanoic acid (M)

20 Perfluorononanoic acid (M)

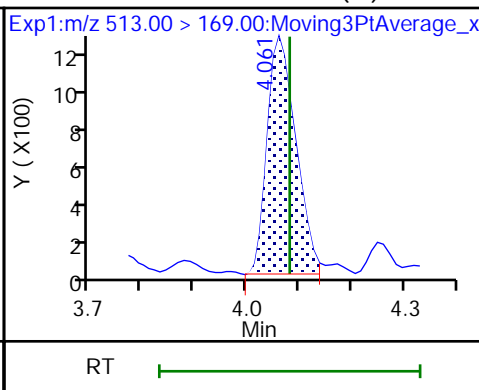
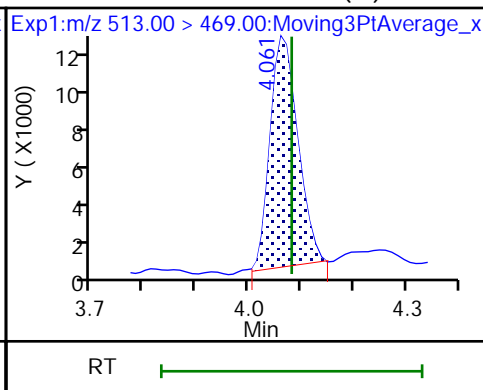
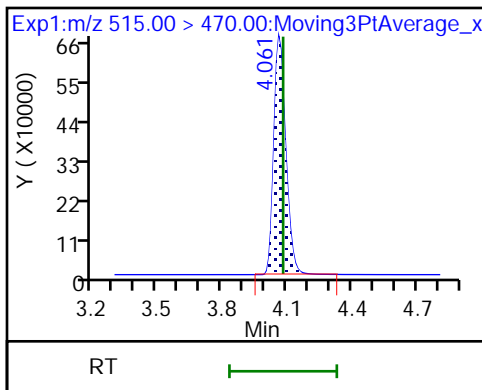
D 19 13C5 PFNA



D 23 13C2 PFDA

24 Perfluorodecanoic acid (M)

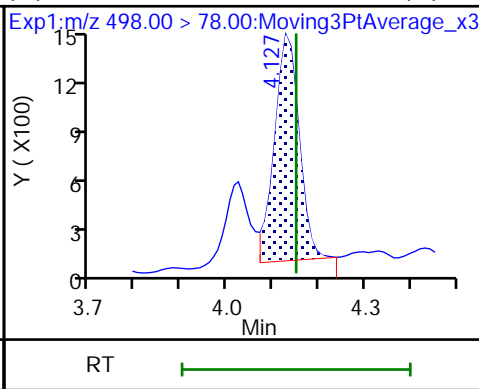
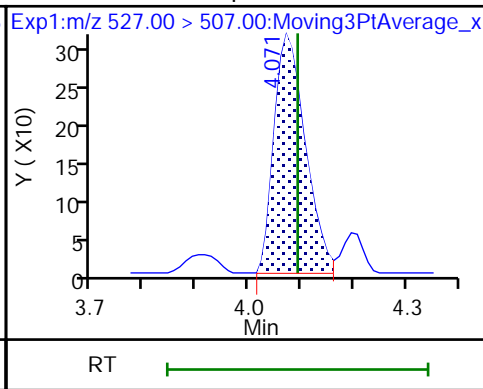
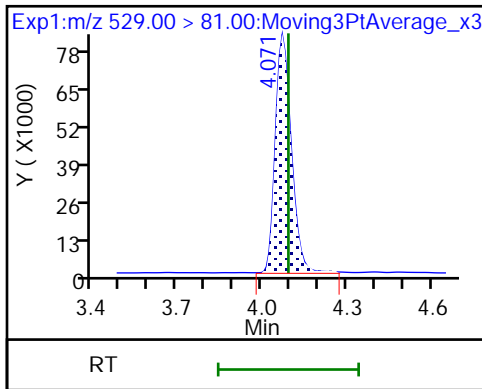
24 Perfluorodecanoic acid (M)



D 26 M2-8:2 FTS

25 1H,1H,2H,2H-perfluorodecanesulfo (M)

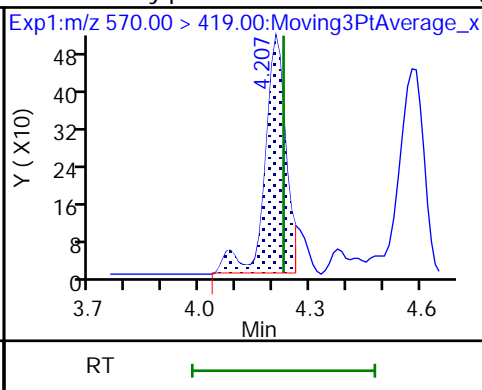
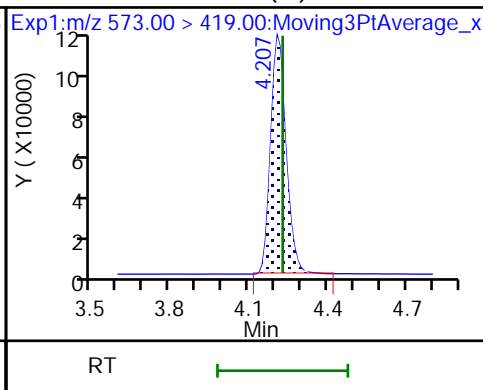
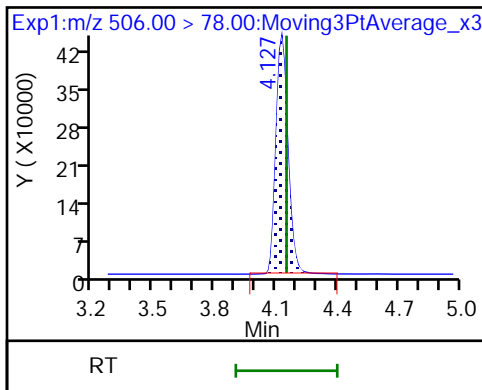
22 Perfluorooctanesulfonamide (M)



D 21 13C8 FOSA

D 27 d3-NMeFOSAA (M)

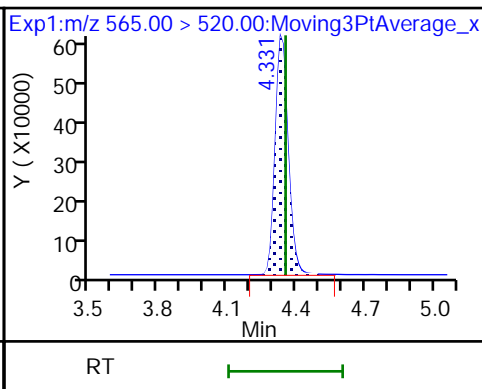
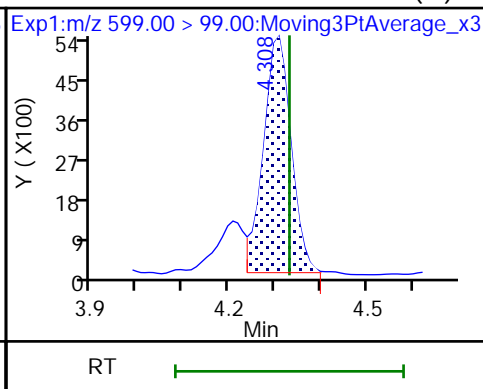
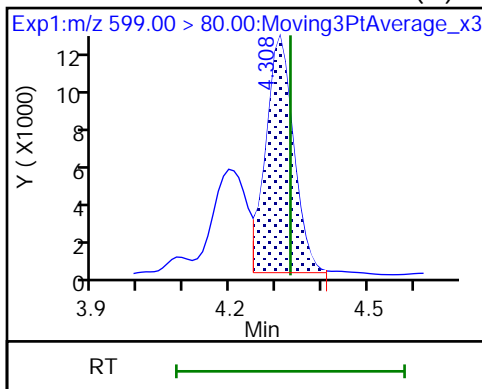
28 N-methylperfluorooctanesulfonami (M)



29 Perfluorodecanesulfonic acid (M)

29 Perfluorodecanesulfonic acid (M)

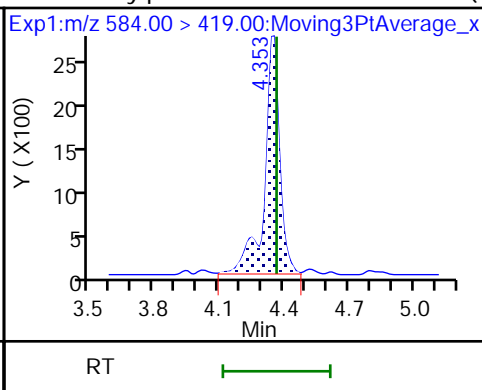
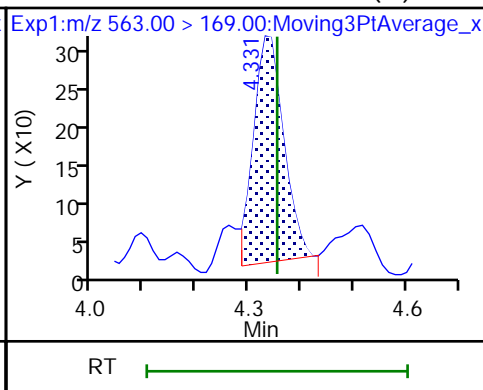
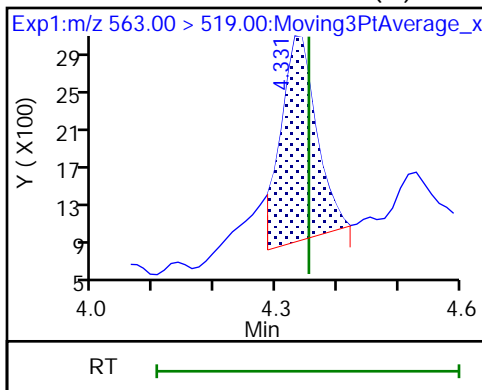
D 30 13C2 PFUnA



31 Perfluoroundecanoic acid (M)

31 Perfluoroundecanoic acid (M)

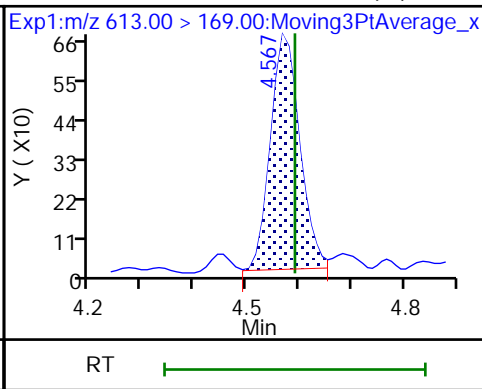
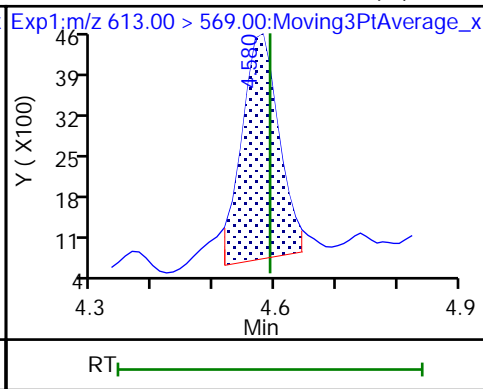
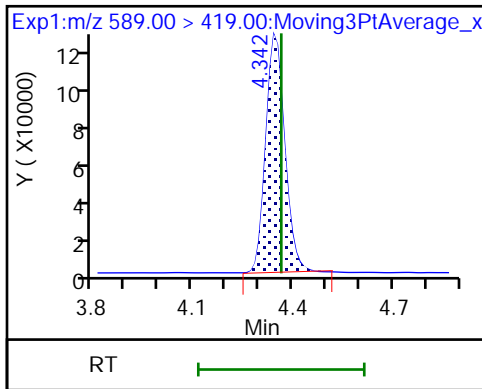
33 N-ethylperfluorooctanesulfonamid (M)



D 32 d5-NEtFOSAA

37 Perfluorododecanoic acid (M)

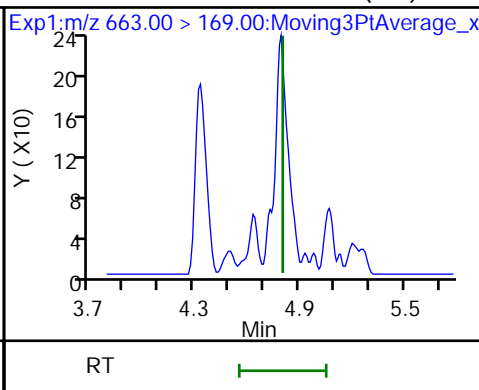
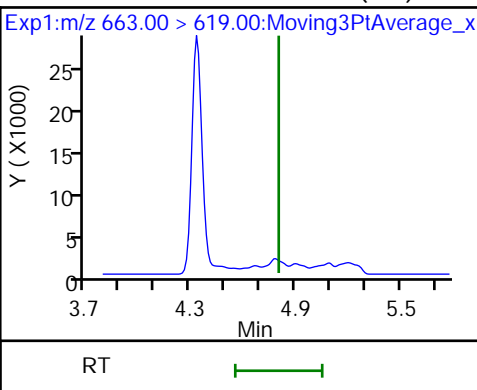
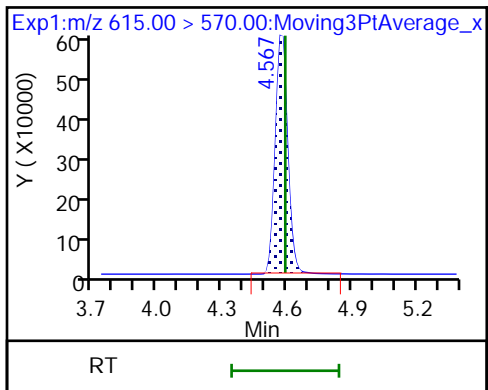
37 Perfluorododecanoic acid (M)



D 36 13C2 PFDoA

41 Perfluorotridecanoic acid (ND)

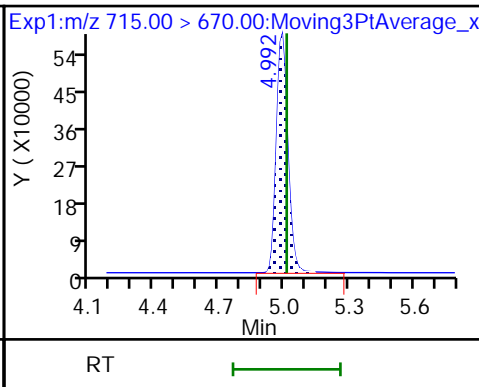
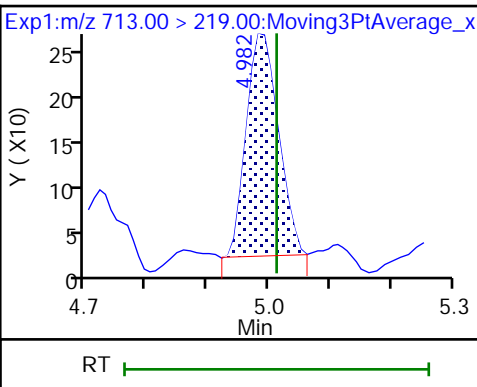
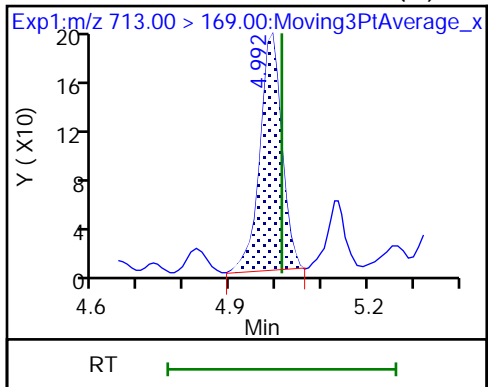
41 Perfluorotridecanoic acid (ND)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid

D 43 13C2 PFTeDA



Eurofins Burlington

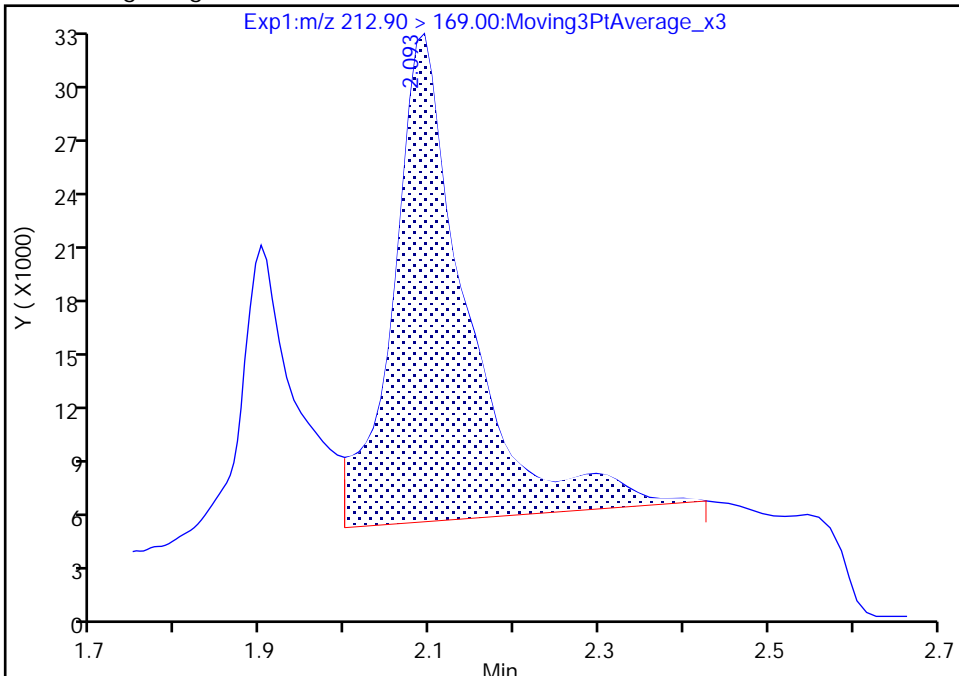
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Injection Date: 08-Dec-2022 18:21:15 Instrument ID: LC812
Lims ID: 460-270515-A-4-A Lab Sample ID: 200-270515-4
Client ID: BCS-09-14_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 24 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

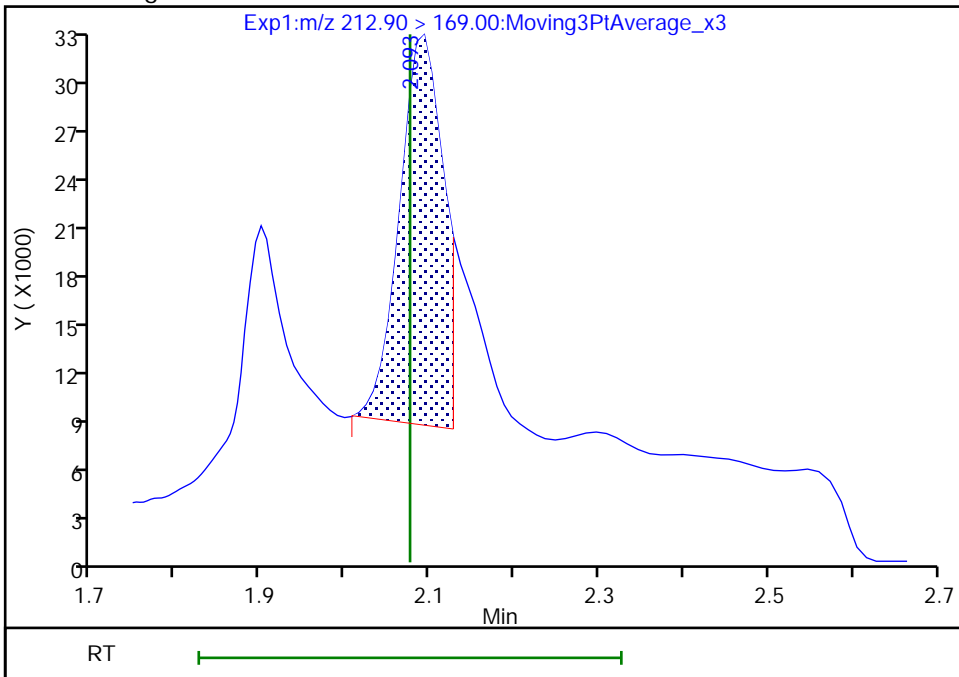
RT: 2.09
Area: 167807
Amount: 0.082660
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 86509
Amount: 0.042613
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:35:07
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

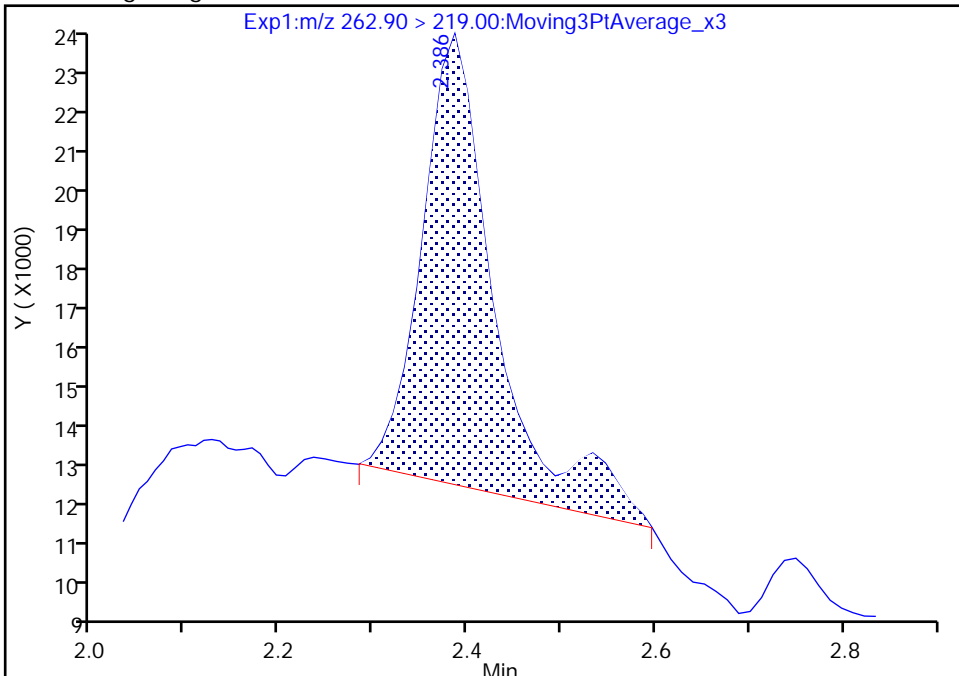
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Injection Date: 08-Dec-2022 18:21:15 Instrument ID: LC812
Lims ID: 460-270515-A-4-A Lab Sample ID: 200-270515-4
Client ID: BCS-09-14_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 24 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

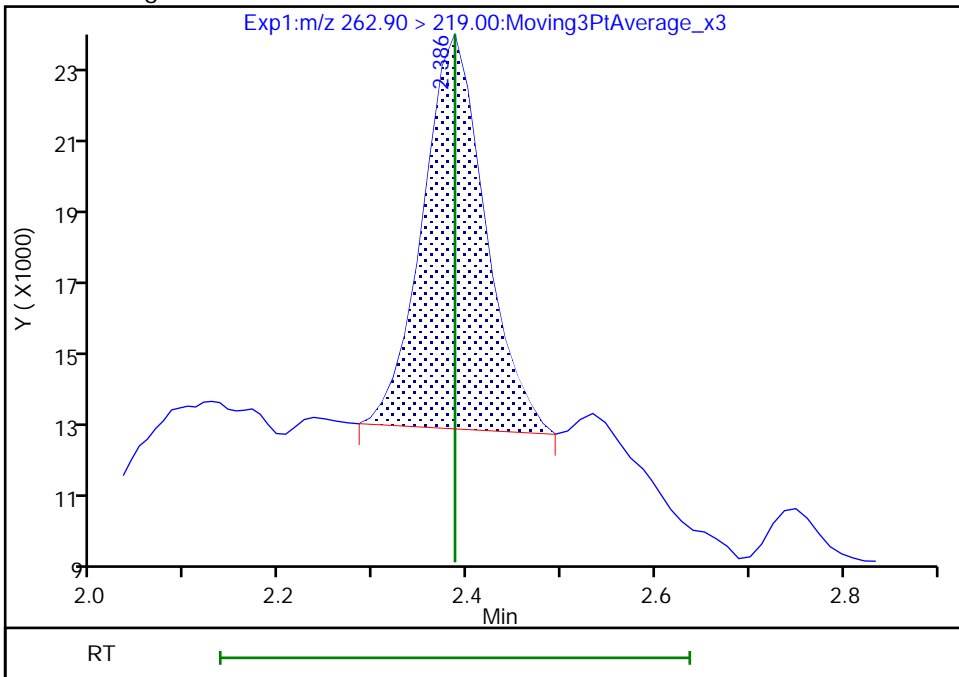
RT: 2.39
Area: 60980
Amount: 0.038826
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 50513
Amount: 0.032162
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:35:17
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

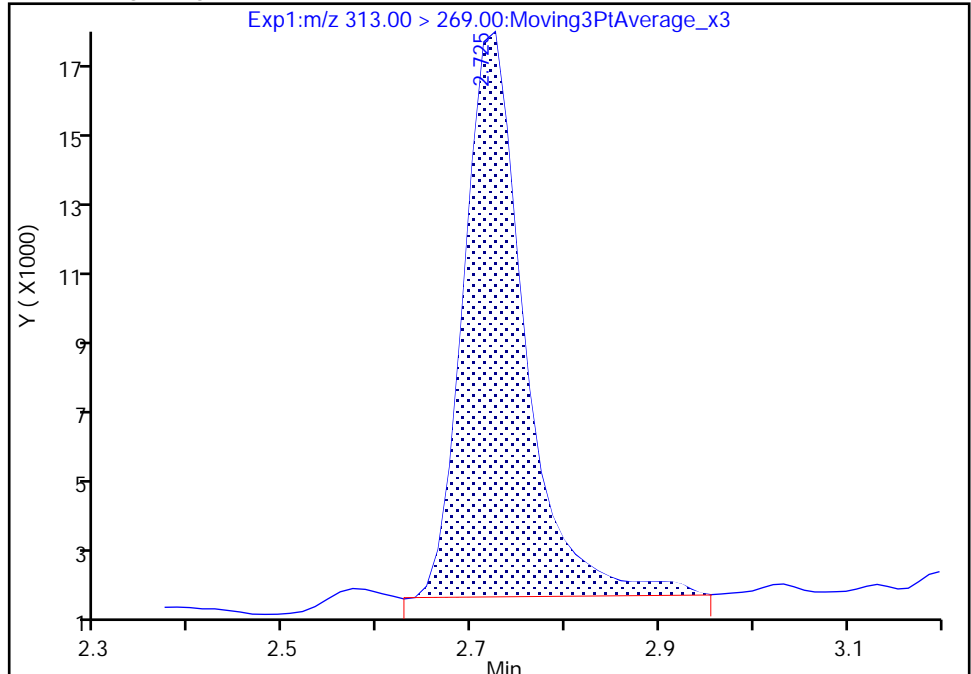
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Injection Date: 08-Dec-2022 18:21:15 Instrument ID: LC812
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Client ID: BCS-09-14_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 24 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

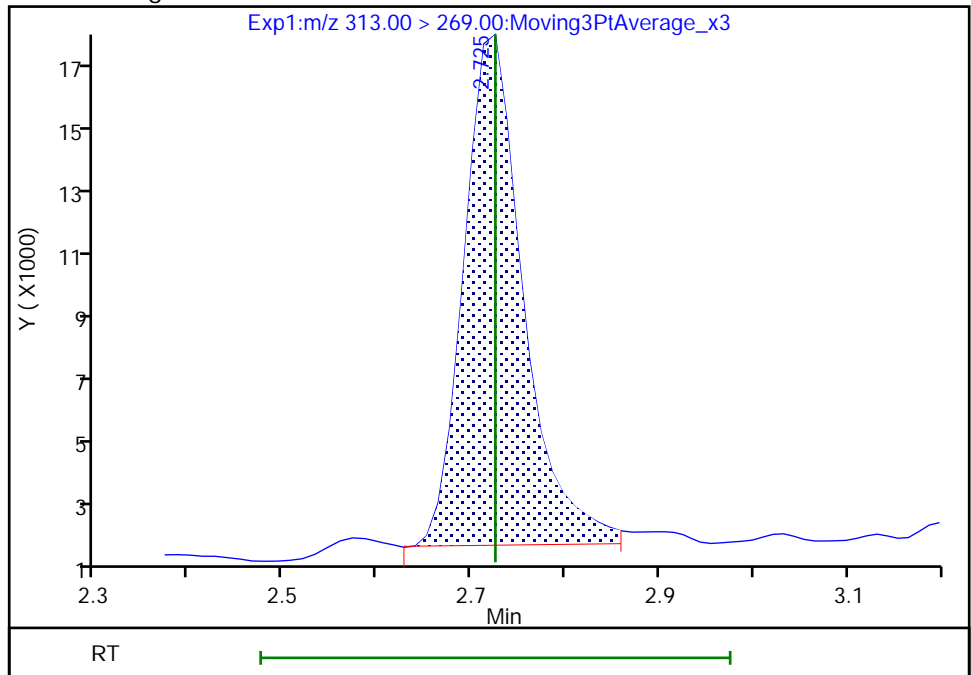
RT: 2.73
Area: 73095
Amount: 0.039723
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 71392
Amount: 0.038797
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:35:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

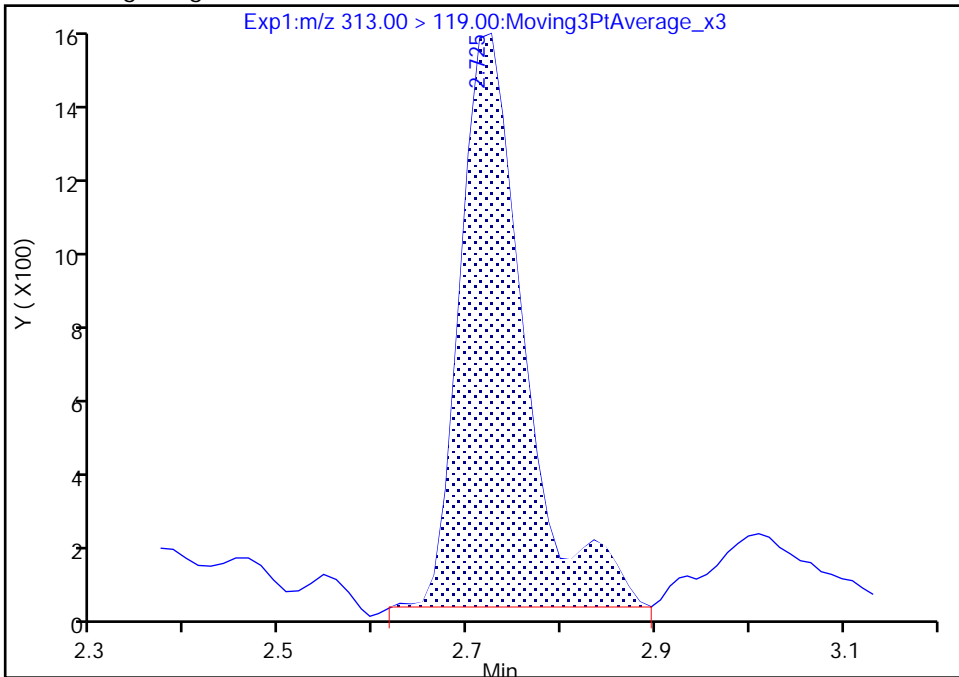
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Injection Date: 08-Dec-2022 18:21:15 Instrument ID: LC812
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Client ID: BCS-09-14_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 24 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

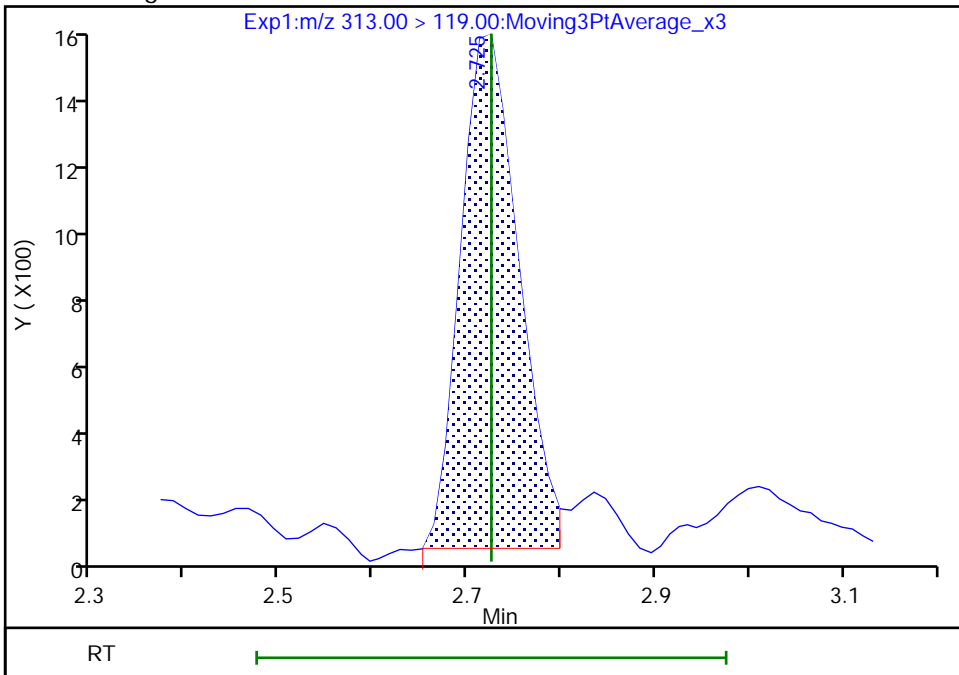
RT: 2.73
Area: 6977
Amount: 0.039723
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 6234
Amount: 0.038797
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 17:35:44

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

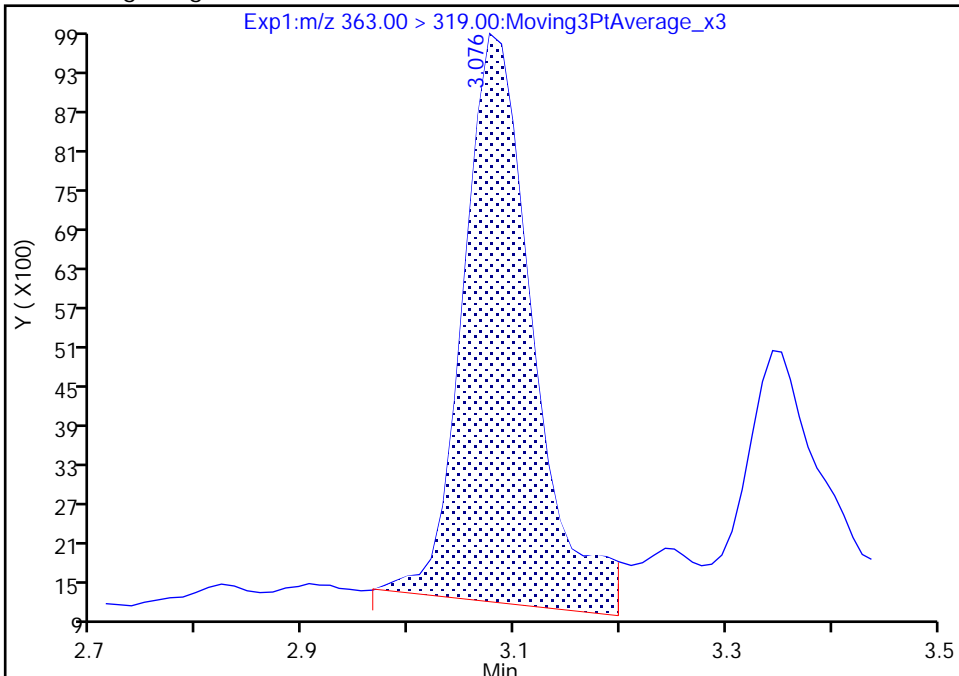
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Injection Date: 08-Dec-2022 18:21:15 Instrument ID: LC812
Lims ID: 460-270515-A-4-A Lab Sample ID: 200-270515-4
Client ID: BCS-09-14_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 24 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

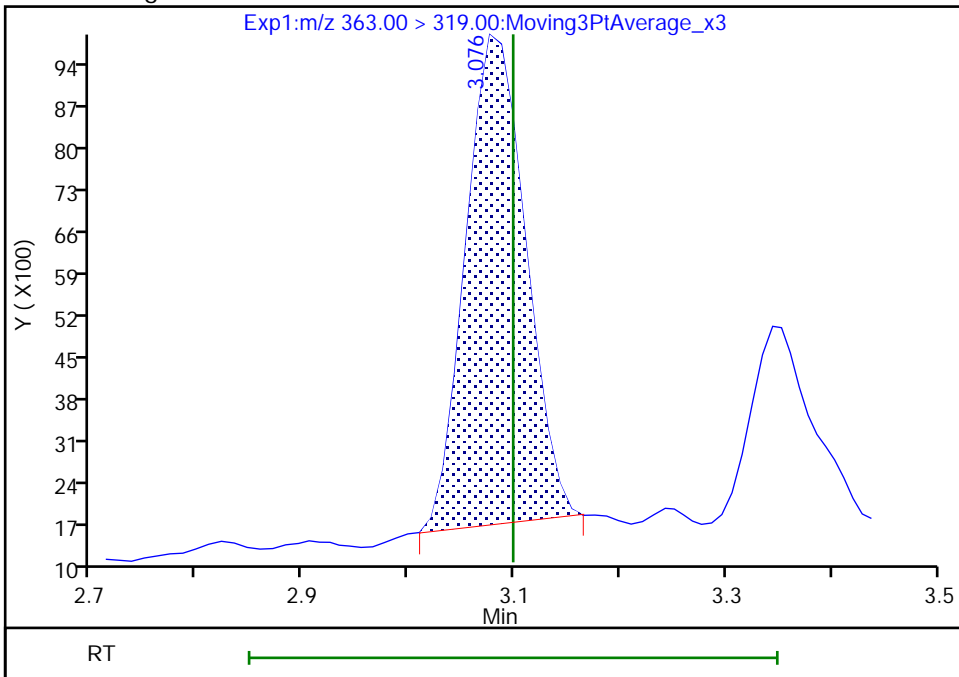
RT: 3.08
Area: 39949
Amount: 0.022065
Amount Units: ng/ml

Processing Integration Results



RT: 3.08
Area: 32213
Amount: 0.017792
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:36:13
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

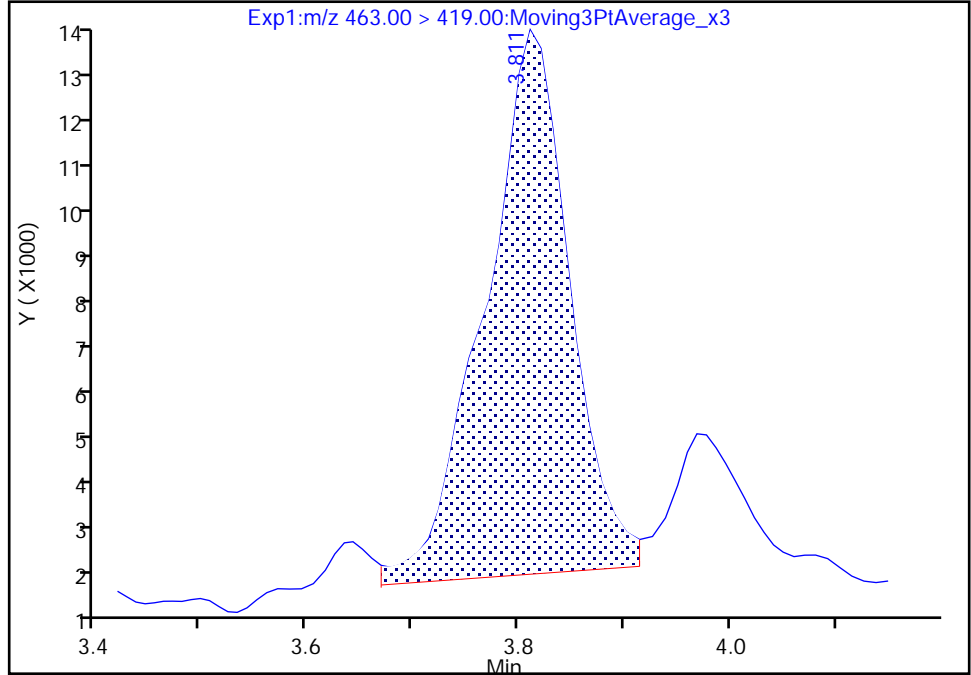
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A27.d
Injection Date: 08-Dec-2022 18:21:15 Instrument ID: LC812
Lims ID: 460-270515-A-4-A Lab Sample ID: 200-270515-4
Client ID: BCS-09-14_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 24 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

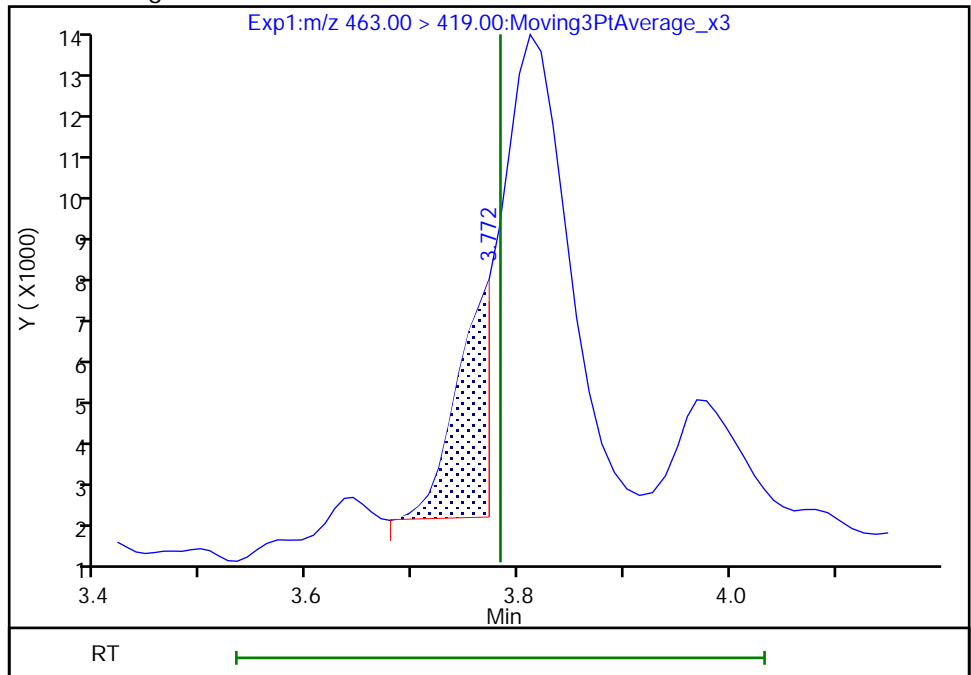
RT: 3.81
Area: 65189
Amount: 0.033209
Amount Units: ng/ml

Processing Integration Results



RT: 3.77
Area: 11663
Amount: 0.005941
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 13-Dec-2022 08:59:51
Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins Burlington

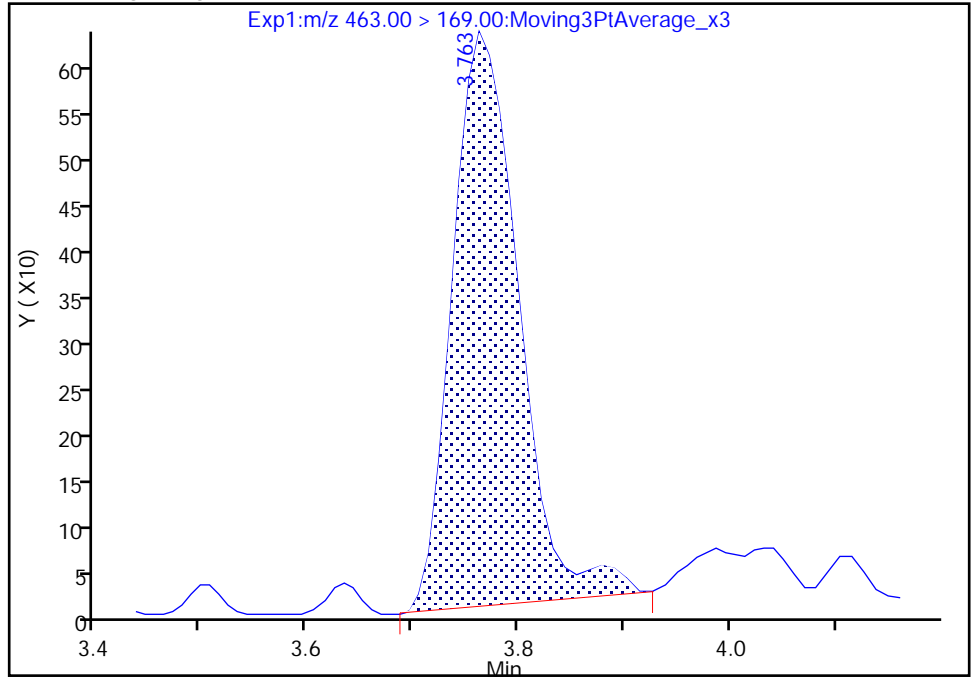
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A27.d
Injection Date: 08-Dec-2022 18:21:15 Instrument ID: LC812
Lims ID: 460-270515-A-4-A Lab Sample ID: 200-270515-4
Client ID: BCS-09-14_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 24 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluoronanoic acid, CAS: 375-95-1

Signal: 2

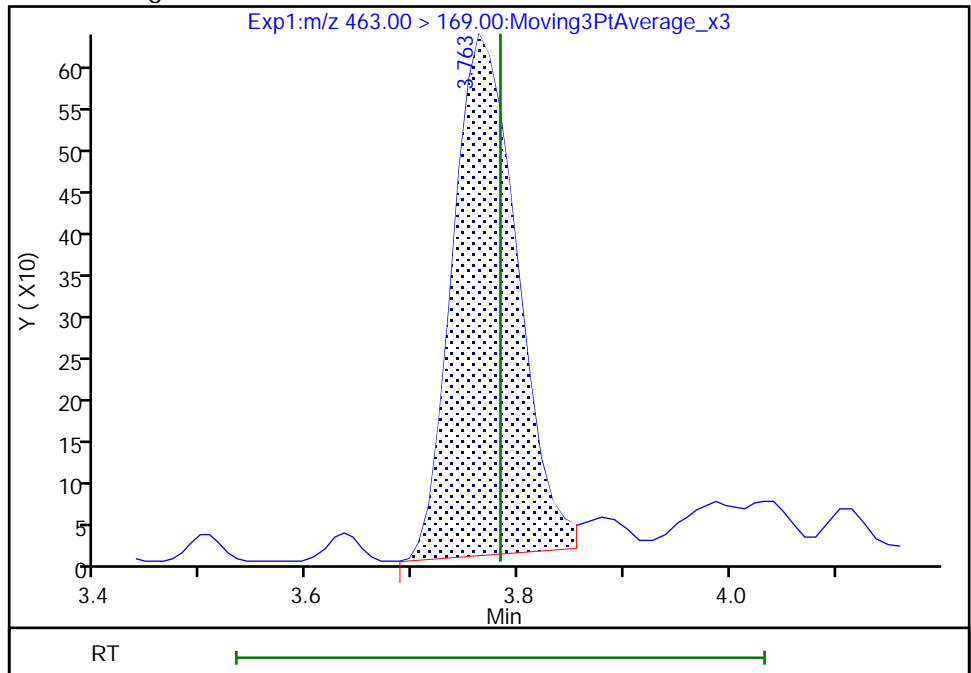
RT: 3.76
Area: 2726
Amount: 0.033209
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 2646
Amount: 0.005941
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 13-Dec-2022 08:59:57

Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins Burlington

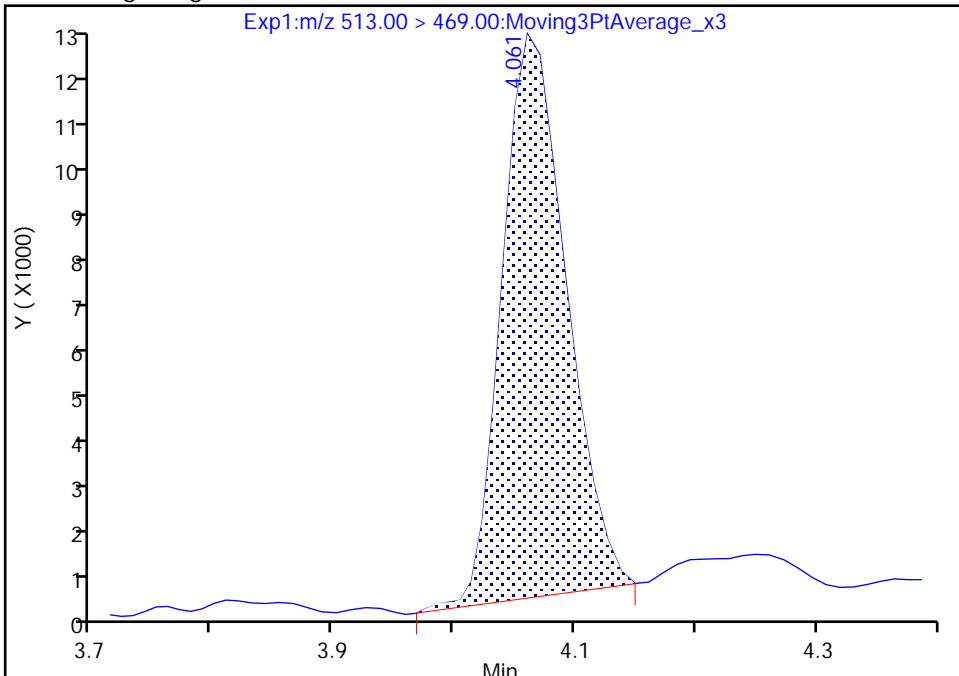
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Injection Date: 08-Dec-2022 18:21:15 Instrument ID: LC812
Lims ID: 460-270515-A-4-A Lab Sample ID: 200-270515-4
Client ID: BCS-09-14_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 24 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

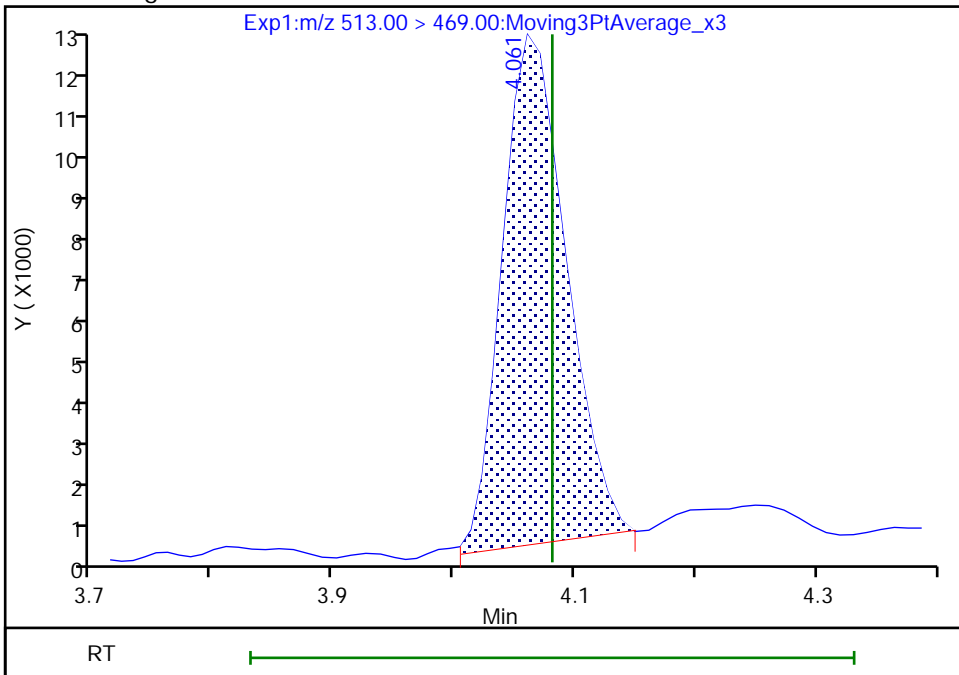
RT: 4.06
Area: 41986
Amount: 0.018724
Amount Units: ng/ml

Processing Integration Results



RT: 4.06
Area: 41786
Amount: 0.018635
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:37:47
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

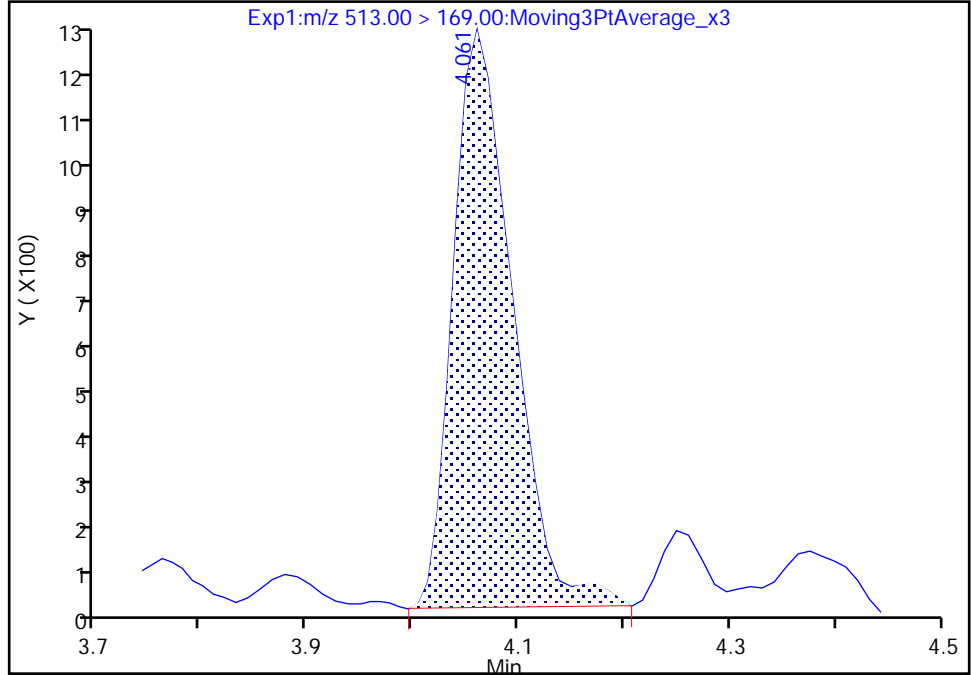
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A27.d
Injection Date: 08-Dec-2022 18:21:15 Instrument ID: LC812
Lims ID: 460-270515-A-4-A Lab Sample ID: 200-270515-4
Client ID: BCS-09-14_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 24 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

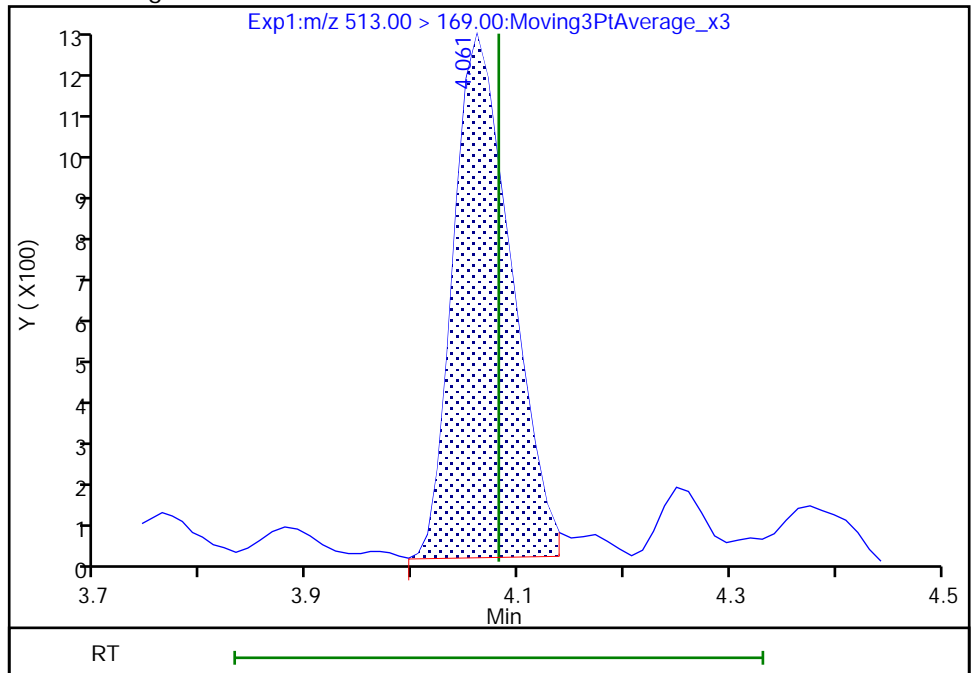
RT: 4.06
Area: 4839
Amount: 0.018724
Amount Units: ng/ml

Processing Integration Results



RT: 4.06
Area: 4692
Amount: 0.018635
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 17:37:49

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

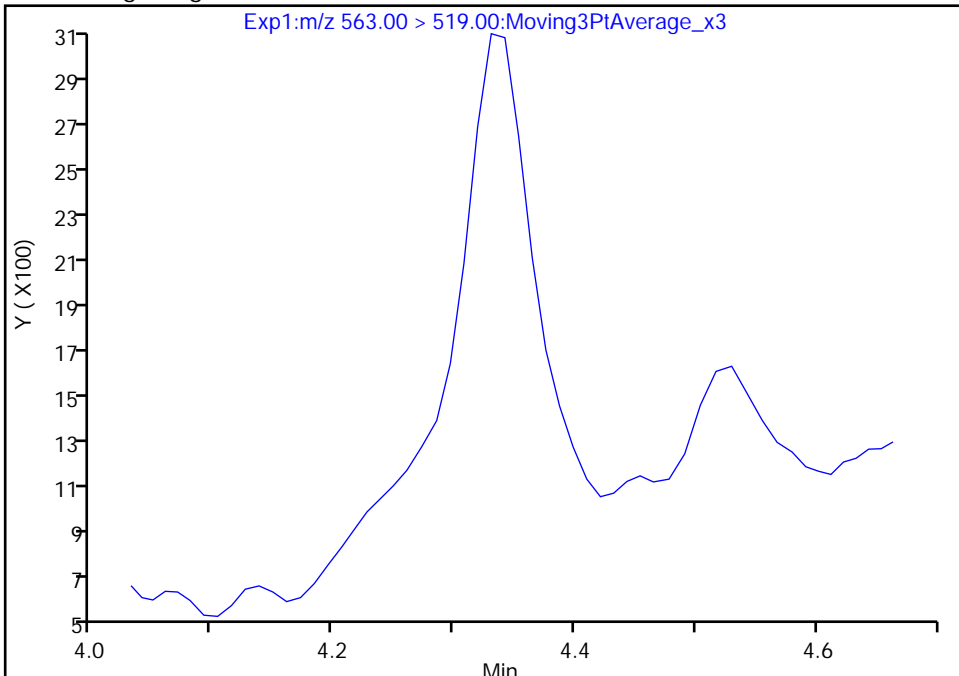
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A27.d
Injection Date: 08-Dec-2022 18:21:15 Instrument ID: LC812
Lims ID: 460-270515-A-4-A Lab Sample ID: 200-270515-4
Client ID: BCS-09-14_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 24 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

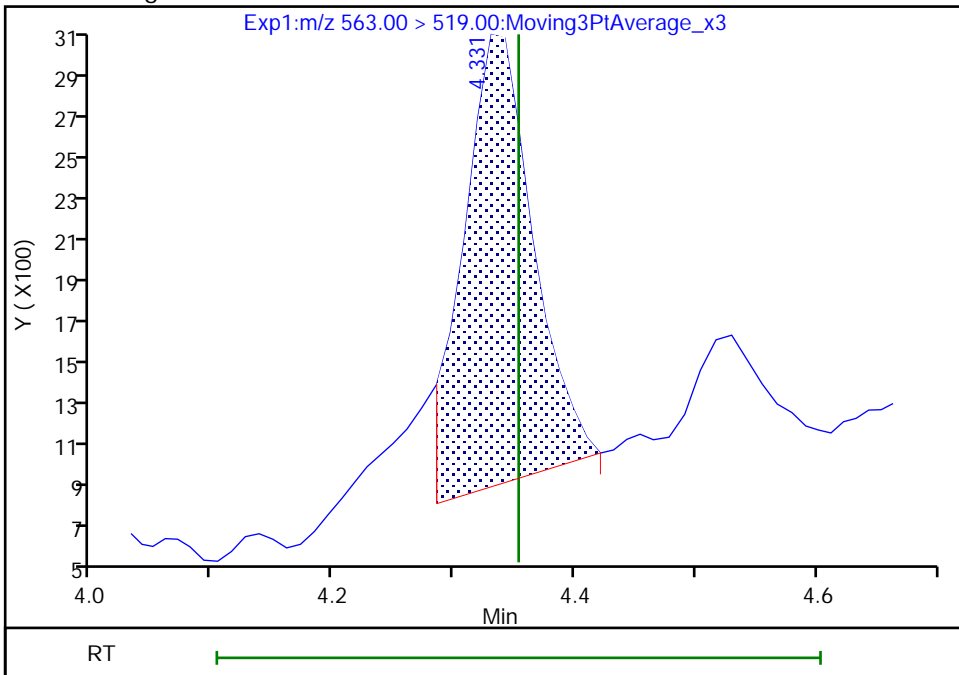
Not Detected
Expected RT: 4.35

Processing Integration Results



Manual Integration Results

RT: 4.33
Area: 8538
Amount: 0.004406
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 17:39:04
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

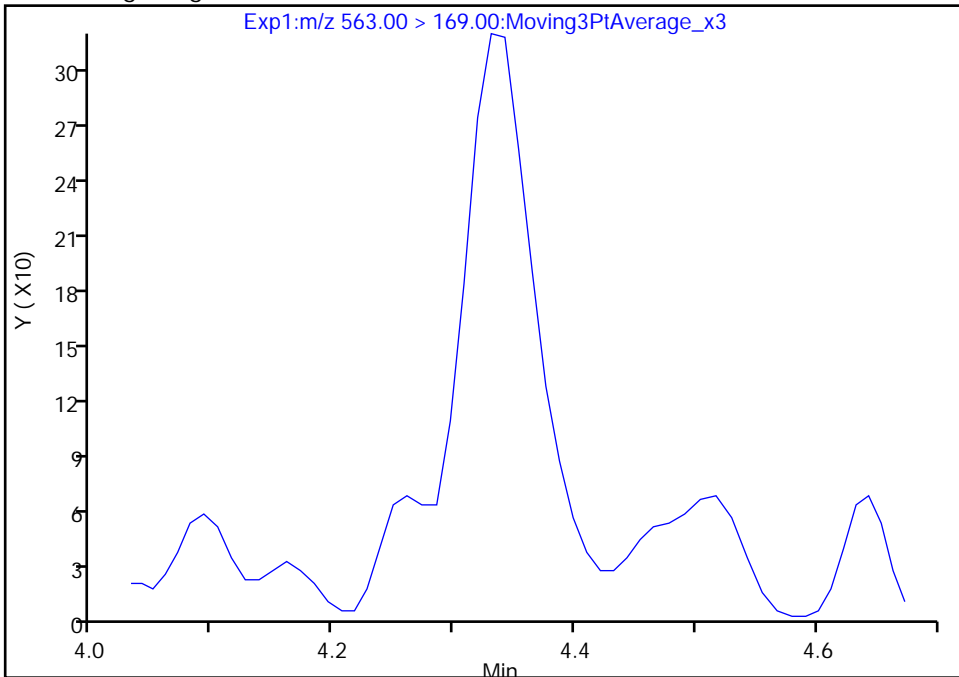
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A27.d
Injection Date: 08-Dec-2022 18:21:15 Instrument ID: LC812
Lims ID: 460-270515-A-4-A Lab Sample ID: 200-270515-4
Client ID: BCS-09-14_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 24 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

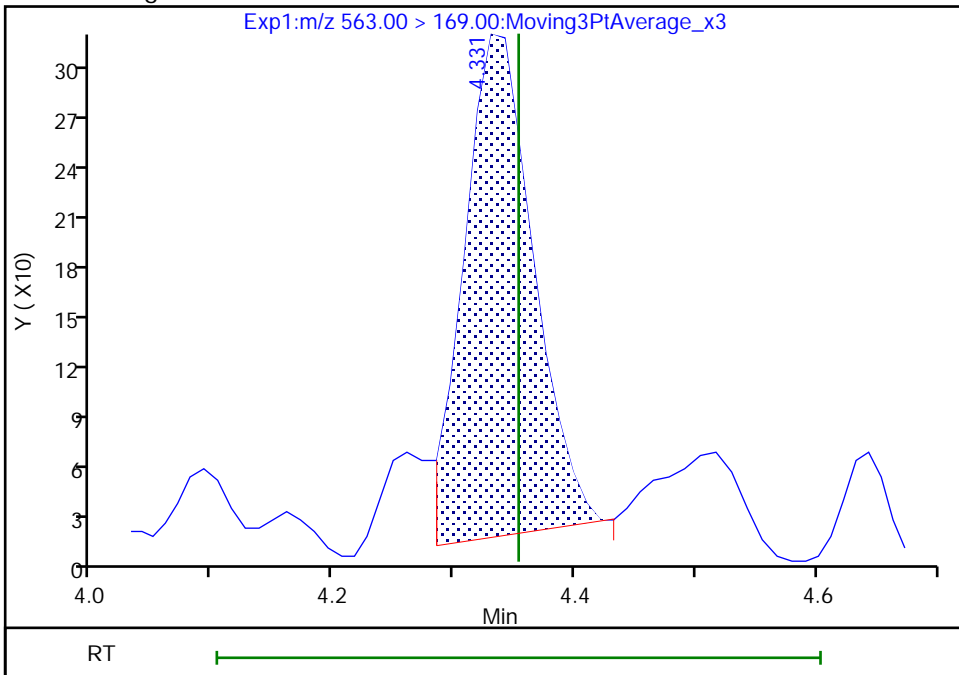
Not Detected
Expected RT: 4.35

Processing Integration Results



RT: 4.33
Area: 1209
Amount: 0.004406
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:39:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

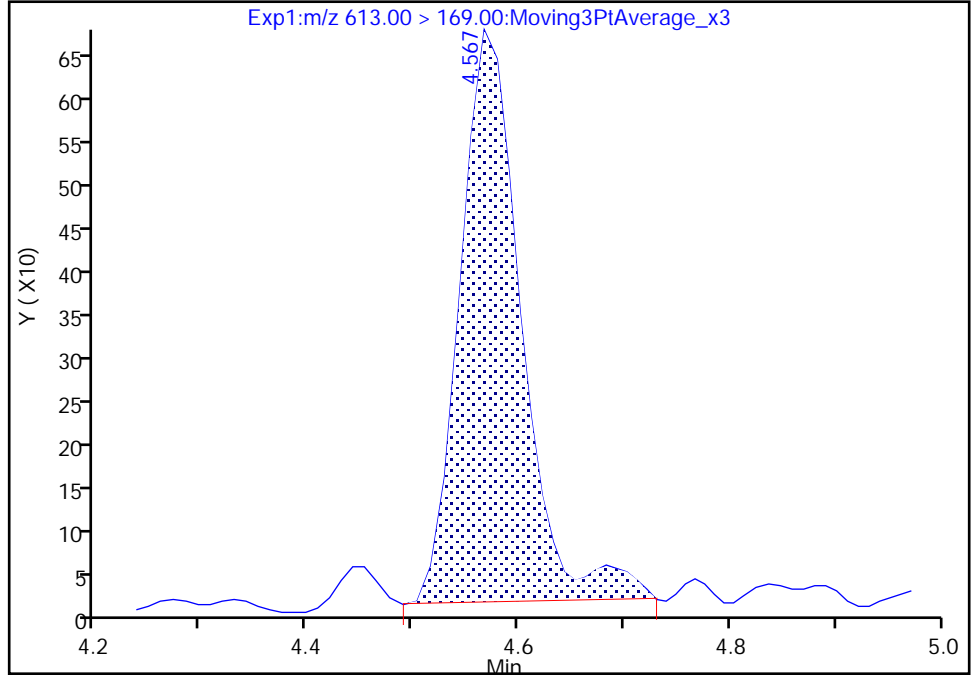
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A27.d
Injection Date: 08-Dec-2022 18:21:15 Instrument ID: LC812
Lims ID: 460-270515-A-4-A Lab Sample ID: 200-270515-4
Client ID: BCS-09-14_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 24 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

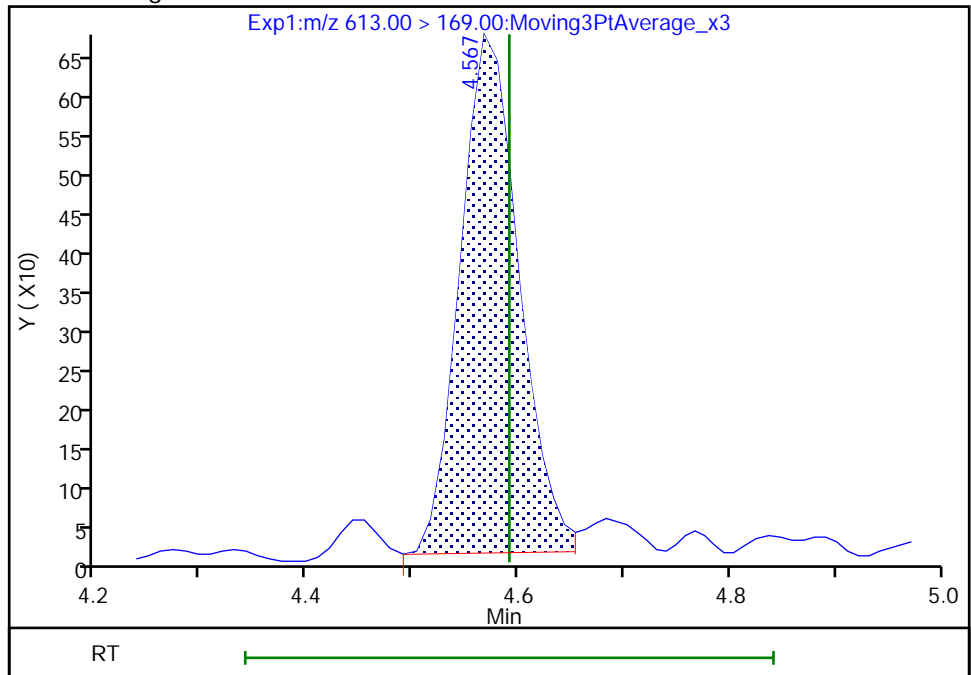
RT: 4.57
Area: 2701
Amount: 0.008734
Amount Units: ng/ml

Processing Integration Results



RT: 4.57
Area: 2573
Amount: 0.007783
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:40:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

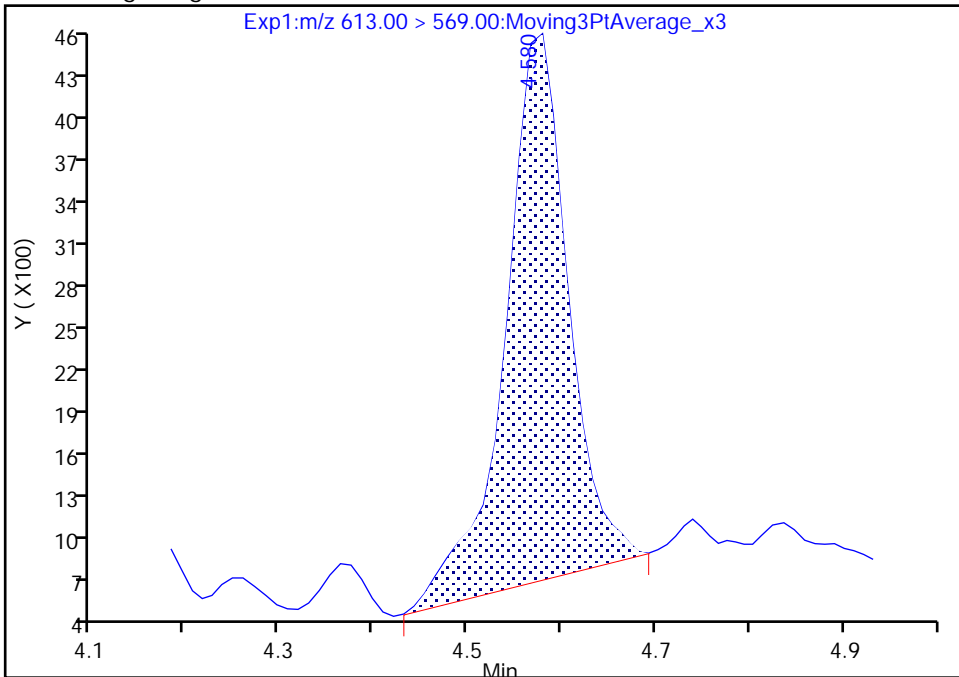
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A27.d
Injection Date: 08-Dec-2022 18:21:15 Instrument ID: LC812
Lims ID: 460-270515-A-4-A Lab Sample ID: 200-270515-4
Client ID: BCS-09-14_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 24 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

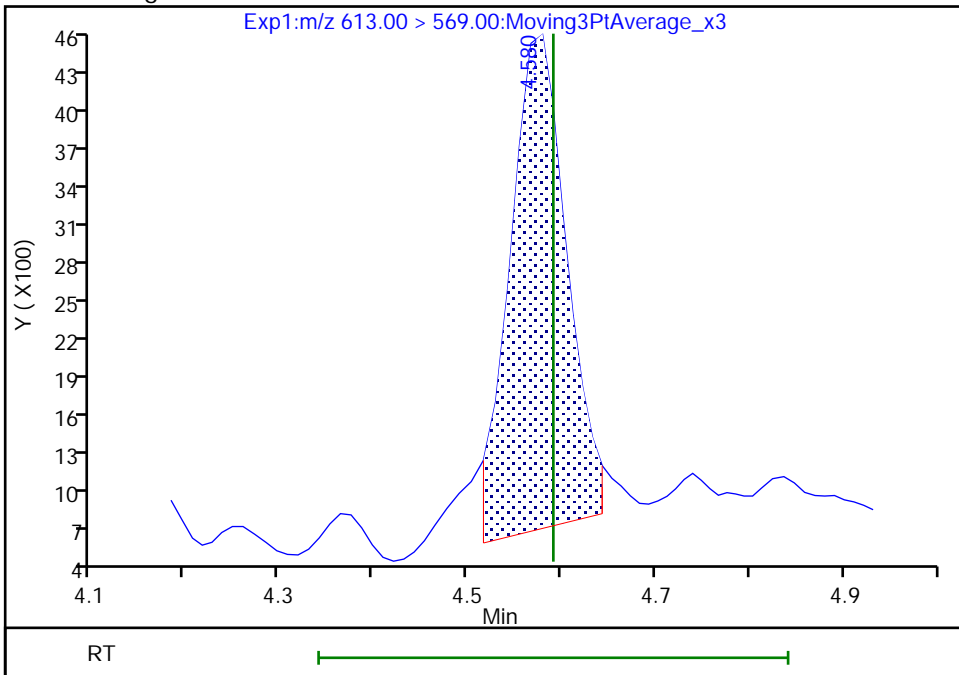
RT: 4.58
Area: 17864
Amount: 0.008734
Amount Units: ng/ml

Processing Integration Results



RT: 4.58
Area: 15920
Amount: 0.007783
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 17:40:05

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

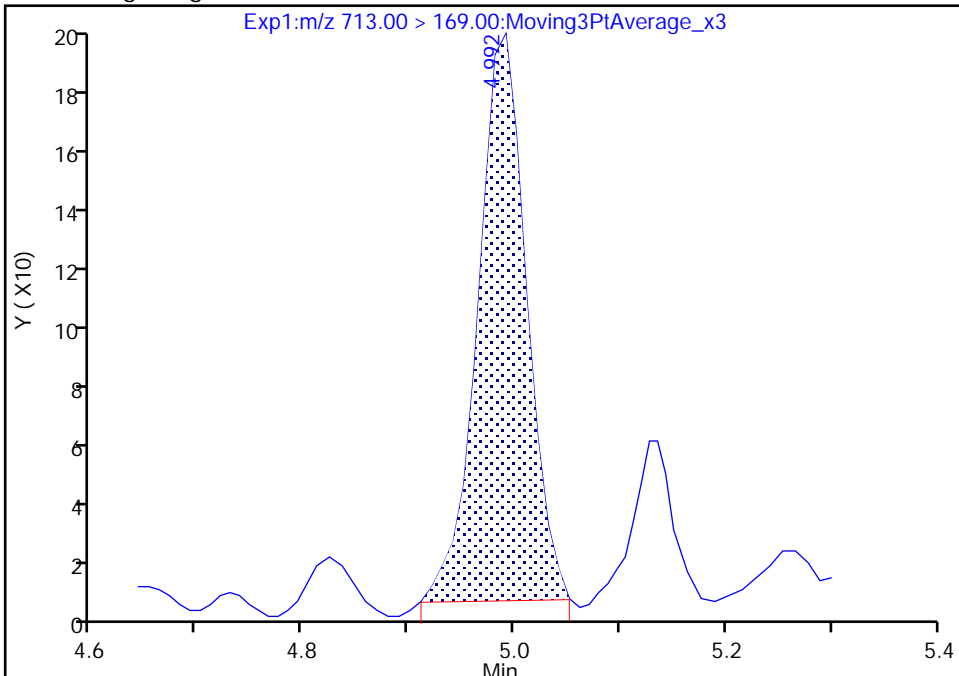
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A27.d
Injection Date: 08-Dec-2022 18:21:15 Instrument ID: LC812
Lims ID: 460-270515-A-4-A Lab Sample ID: 200-270515-4
Client ID: BCS-09-14_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 24 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

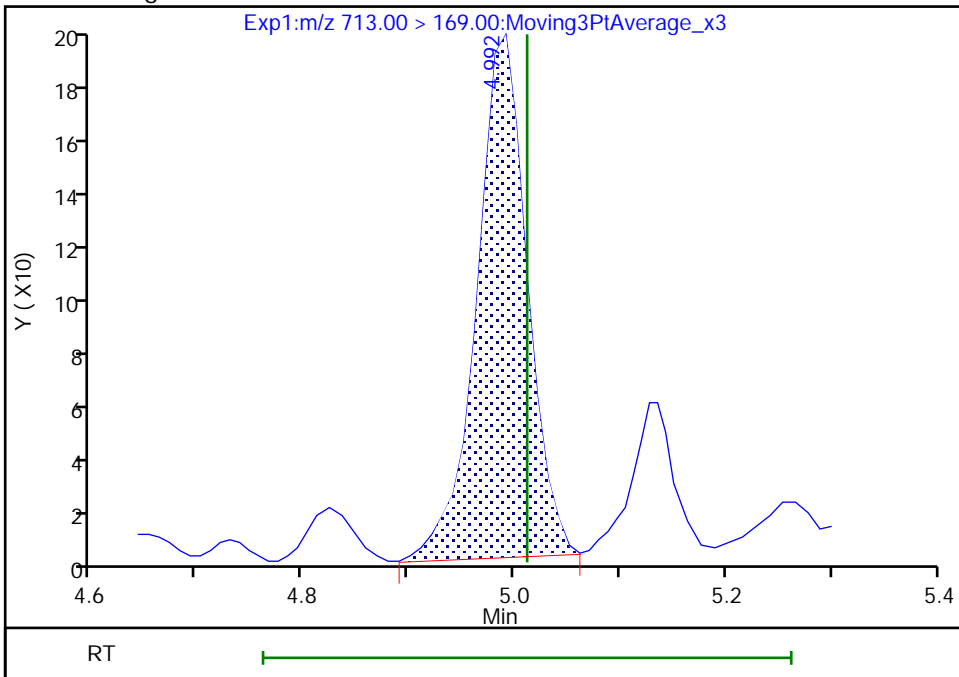
RT: 4.99
Area: 605
Amount: 0.002561
Amount Units: ng/ml

Processing Integration Results



RT: 4.99
Area: 642
Amount: 0.002718
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:40:20
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

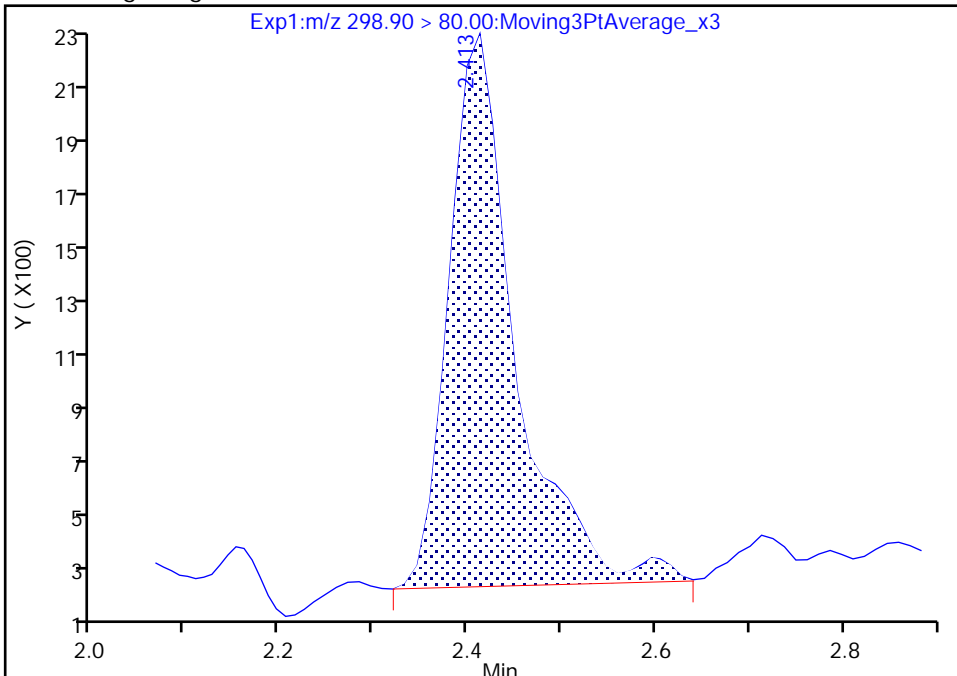
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A27.d
Injection Date: 08-Dec-2022 18:21:15 Instrument ID: LC812
Lims ID: 460-270515-A-4-A Lab Sample ID: 200-270515-4
Client ID: BCS-09-14_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 24 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

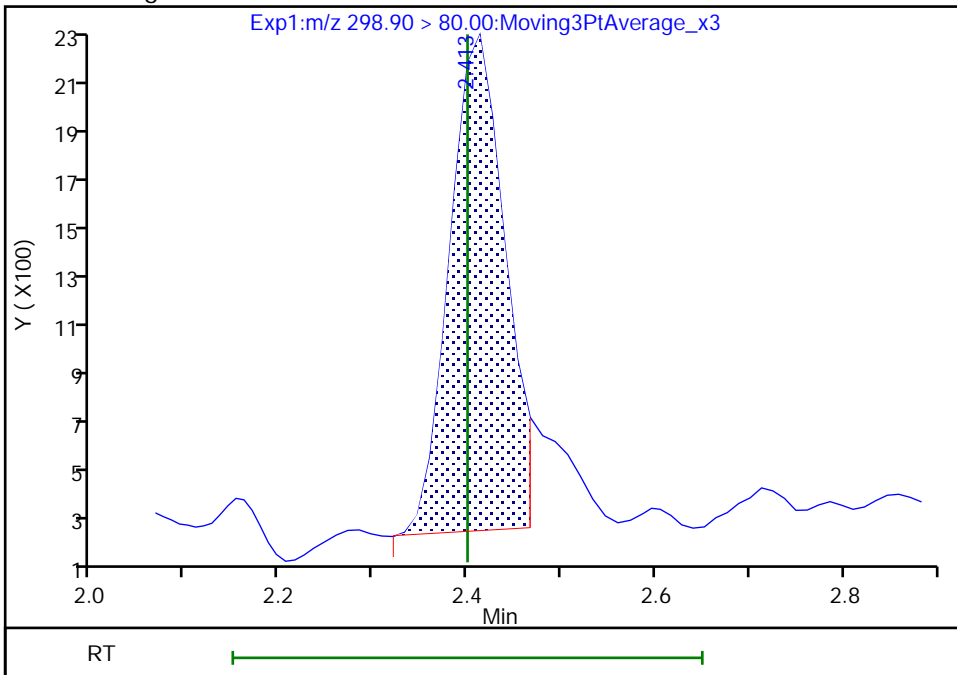
RT: 2.41
Area: 9601
Amount: 0.005213
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 7953
Amount: 0.004318
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:35:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

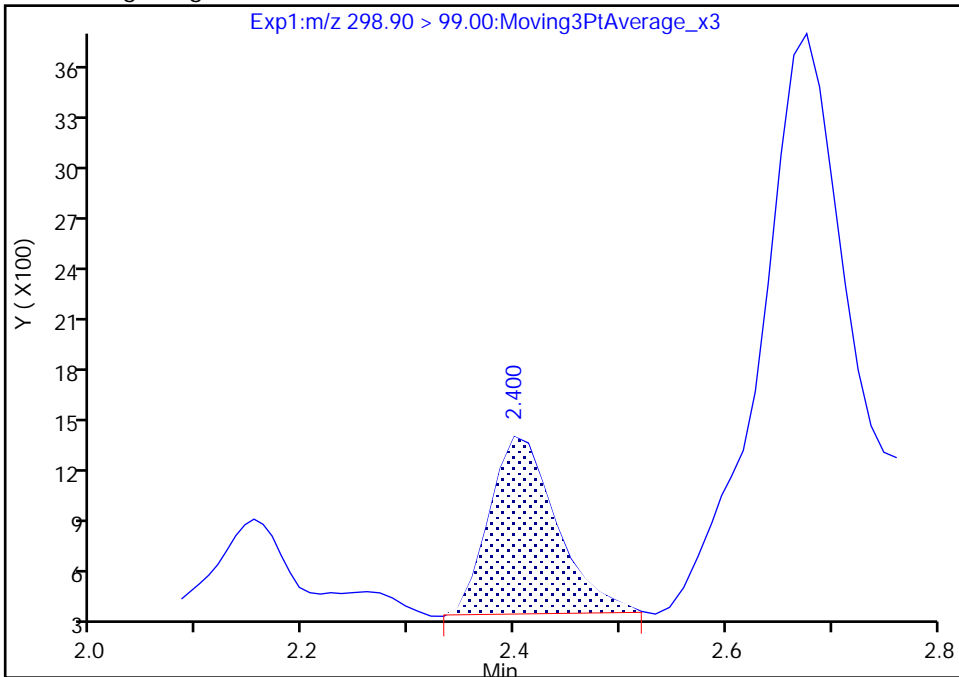
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A27.d
Injection Date: 08-Dec-2022 18:21:15 Instrument ID: LC812
Lims ID: 460-270515-A-4-A Lab Sample ID: 200-270515-4
Client ID: BCS-09-14_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 24 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

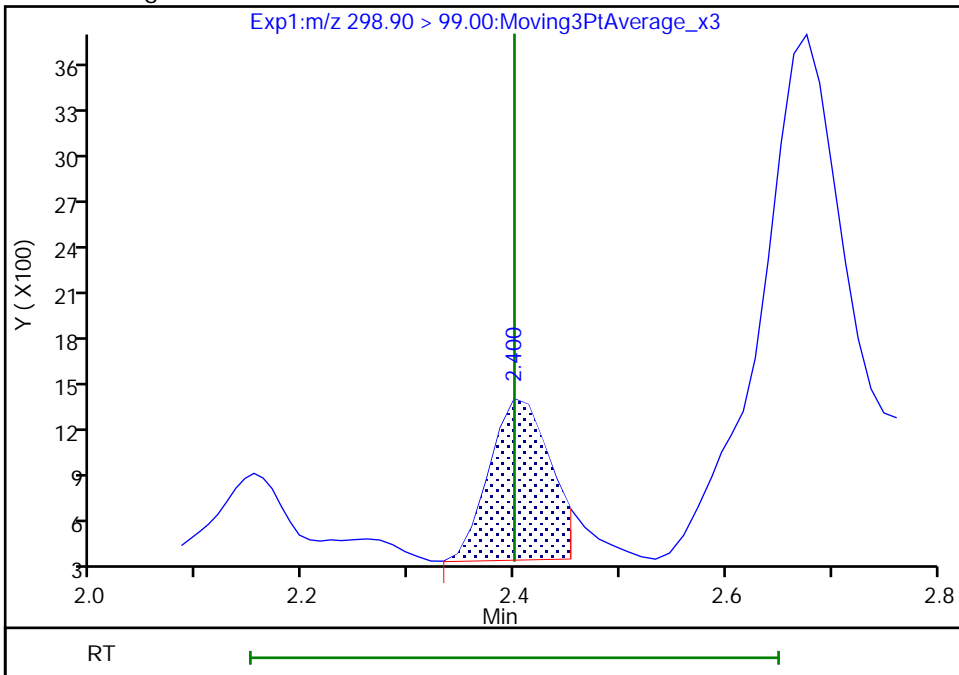
RT: 2.40
Area: 4579
Amount: 0.005213
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 4148
Amount: 0.004318
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 17:35:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

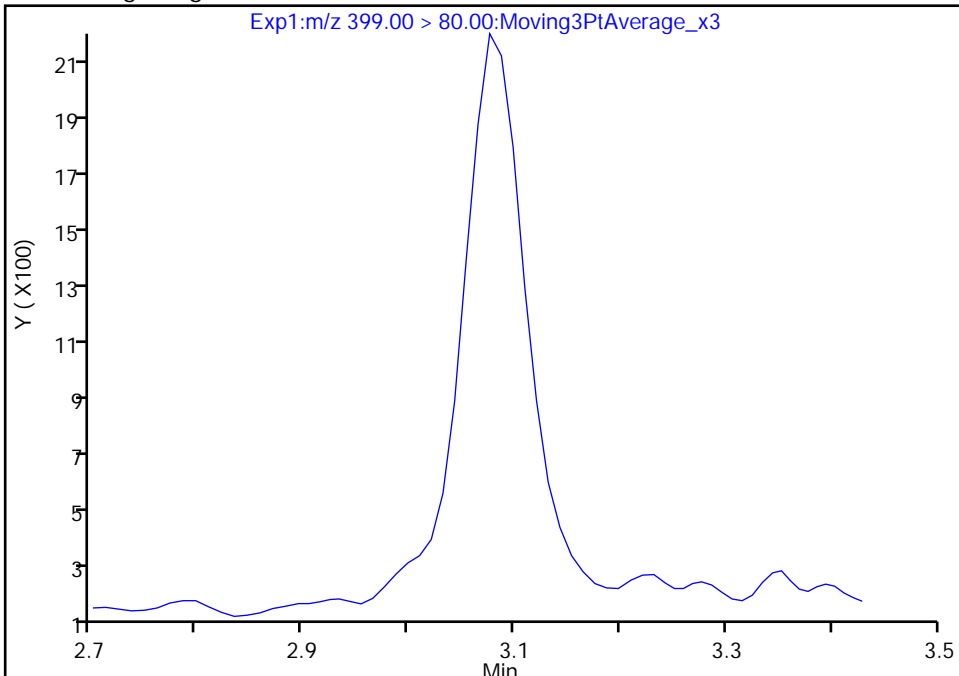
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A27.d
Injection Date: 08-Dec-2022 18:21:15 Instrument ID: LC812
Lims ID: 460-270515-A-4-A Lab Sample ID: 200-270515-4
Client ID: BCS-09-14_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 24 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

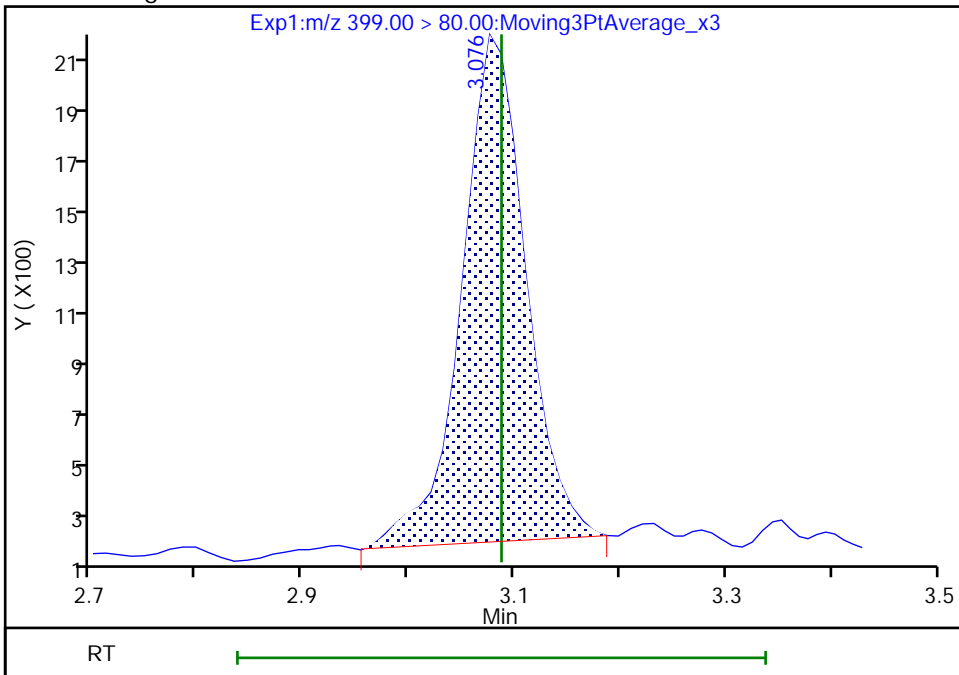
Not Detected
Expected RT: 3.09

Processing Integration Results



Manual Integration Results

RT: 3.08
Area: 8185
Amount: 0.005885
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 17:35:51
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

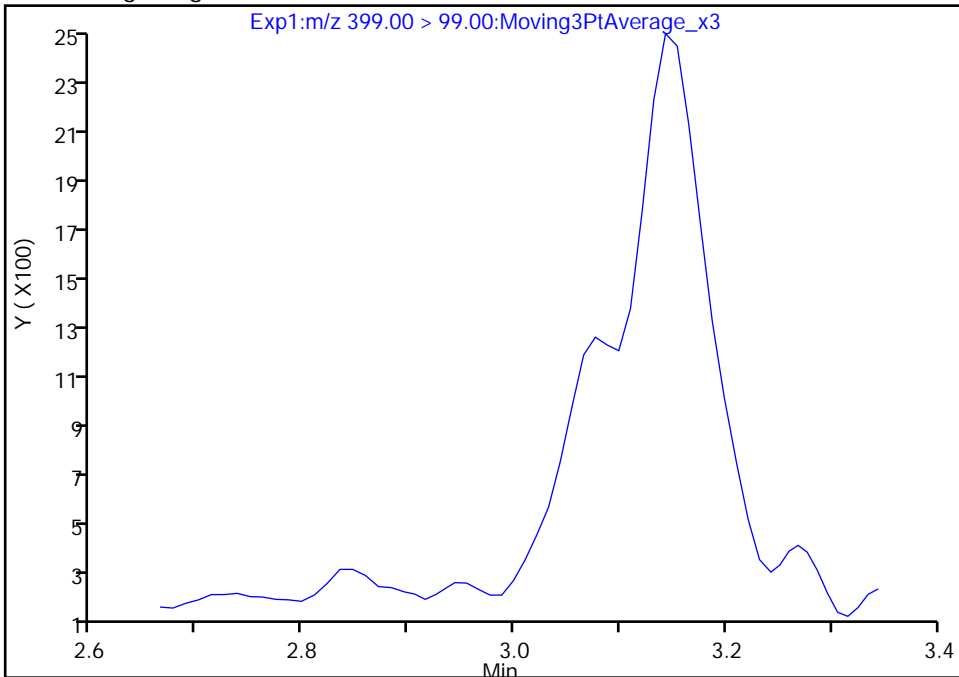
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A27.d
Injection Date: 08-Dec-2022 18:21:15 Instrument ID: LC812
Lims ID: 460-270515-A-4-A Lab Sample ID: 200-270515-4
Client ID: BCS-09-14_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 24 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

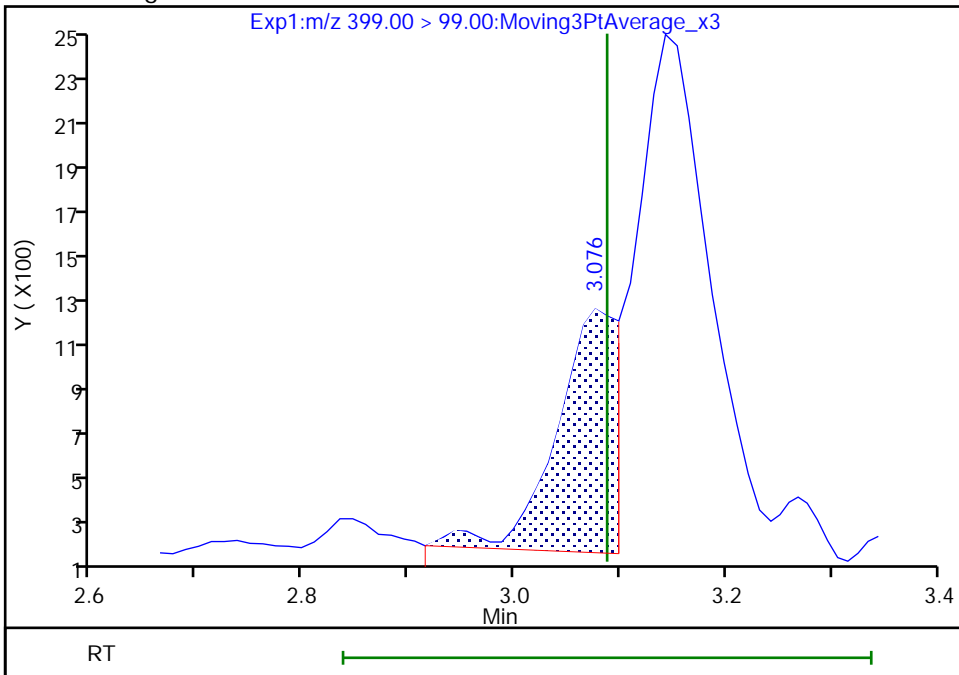
Not Detected
Expected RT: 3.09

Processing Integration Results



Manual Integration Results

RT: 3.08
Area: 4145
Amount: 0.005885
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 17:36:08

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

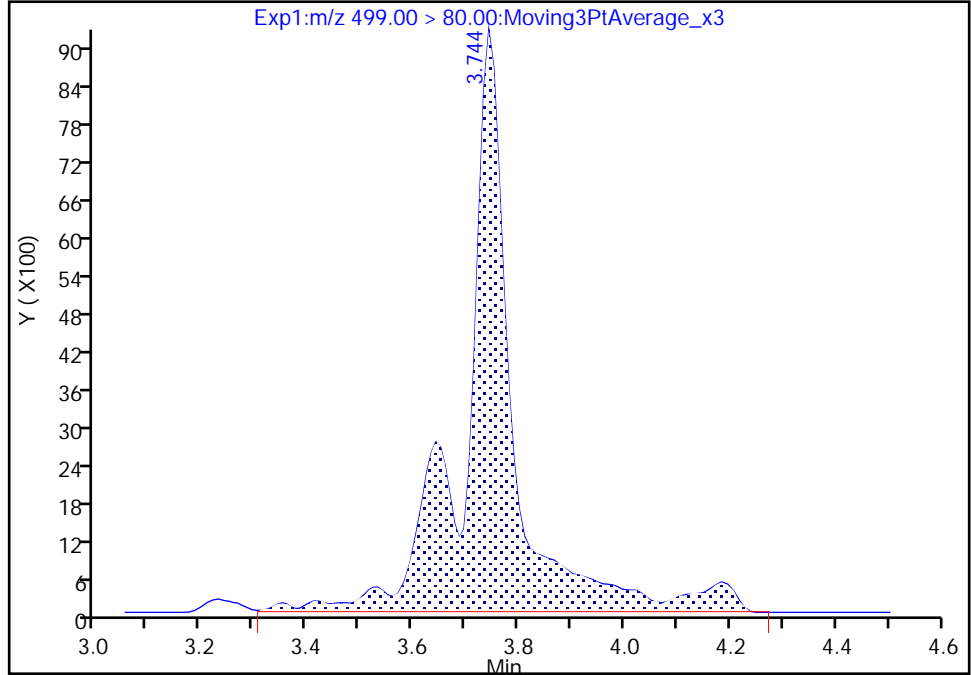
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A27.d
Injection Date: 08-Dec-2022 18:21:15 Instrument ID: LC812
Lims ID: 460-270515-A-4-A Lab Sample ID: 200-270515-4
Client ID: BCS-09-14_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 24 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

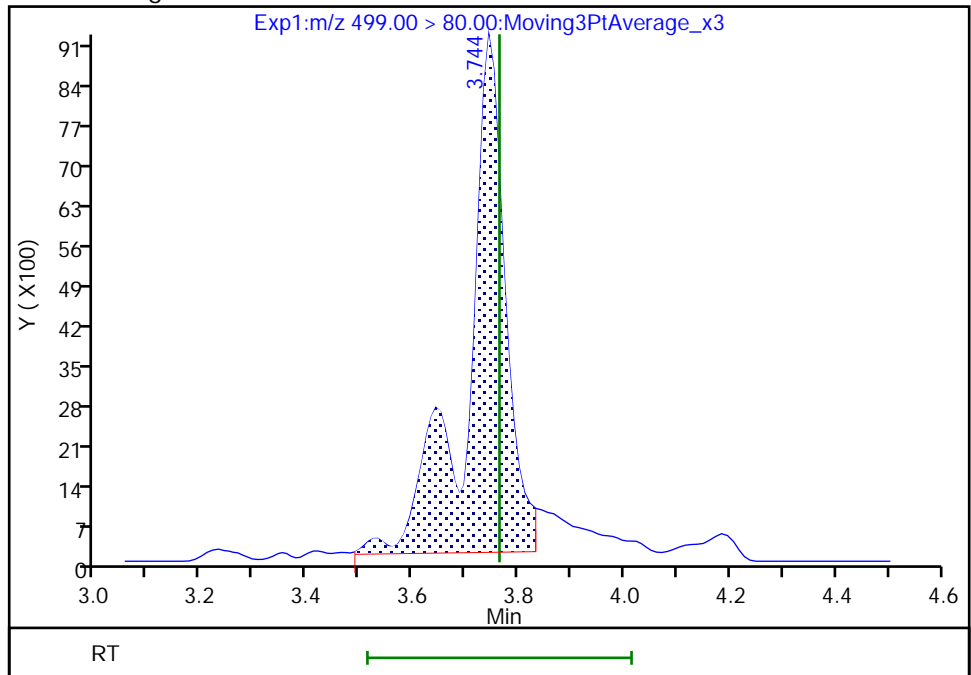
RT: 3.74
Area: 59704
Amount: 0.060551
Amount Units: ng/ml

Processing Integration Results



RT: 3.74
Area: 46039
Amount: 0.046692
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 13-Dec-2022 08:59:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

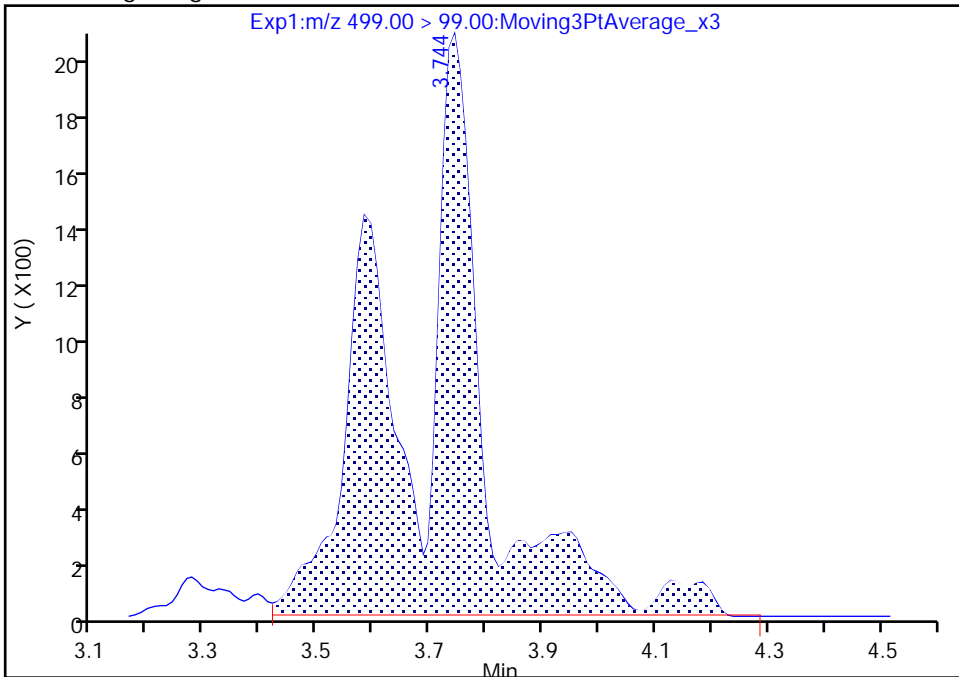
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A27.d
Injection Date: 08-Dec-2022 18:21:15 Instrument ID: LC812
Lims ID: 460-270515-A-4-A Lab Sample ID: 200-270515-4
Client ID: BCS-09-14_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 24 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

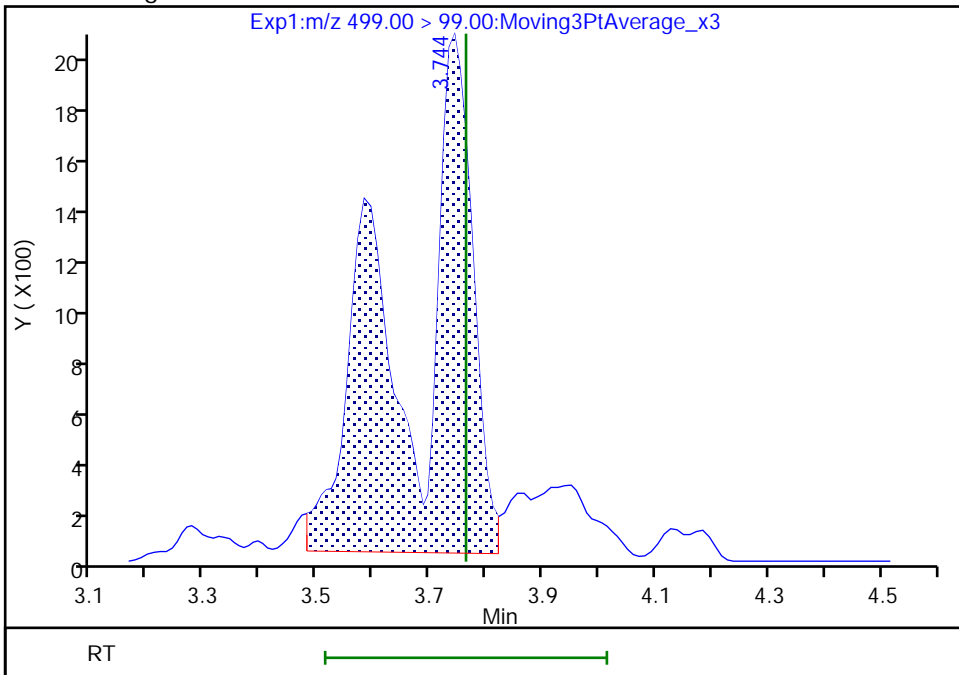
RT: 3.74
Area: 21269
Amount: 0.060551
Amount Units: ng/ml

Processing Integration Results



RT: 3.74
Area: 16390
Amount: 0.046692
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 13-Dec-2022 08:59:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

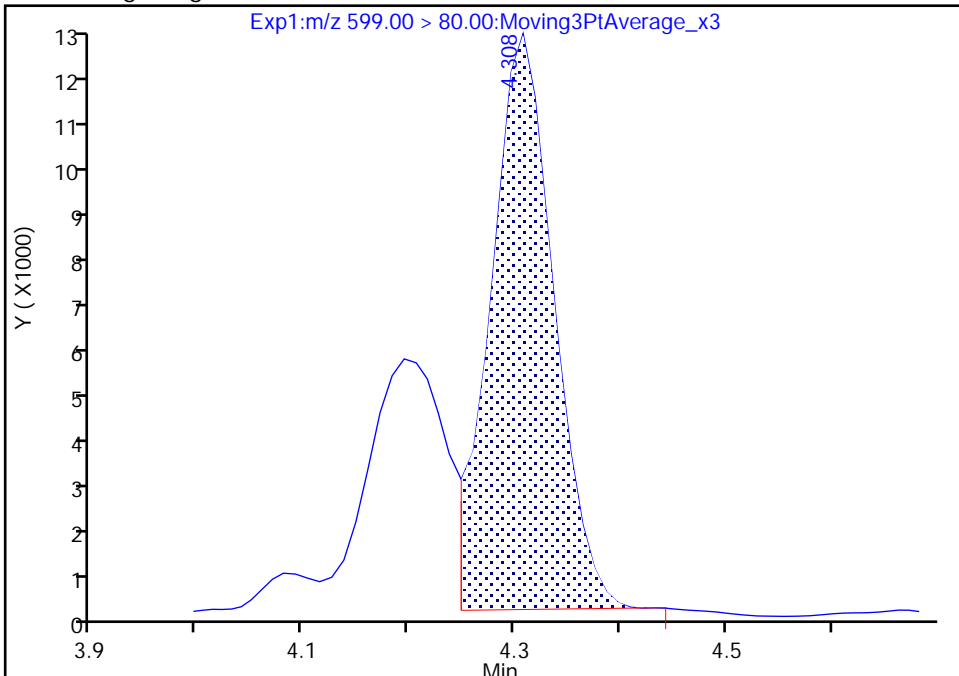
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A27.d
Injection Date: 08-Dec-2022 18:21:15 Instrument ID: LC812
Lims ID: 460-270515-A-4-A Lab Sample ID: 200-270515-4
Client ID: BCS-09-14_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 24 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

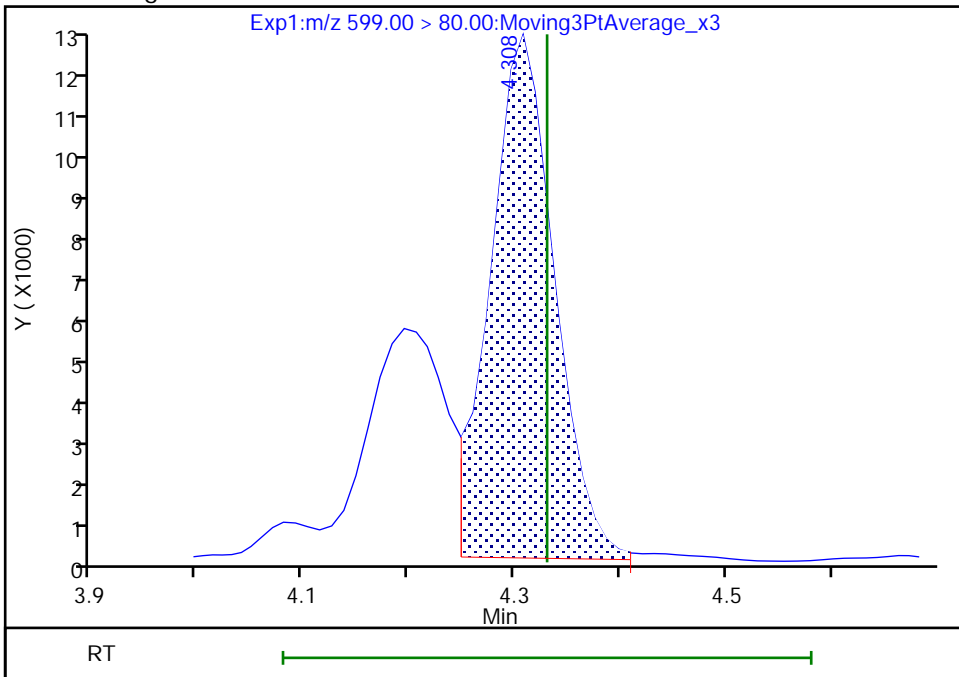
RT: 4.31
Area: 52412
Amount: 0.089194
Amount Units: ng/ml

Processing Integration Results



RT: 4.31
Area: 53330
Amount: 0.090756
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:38:48
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

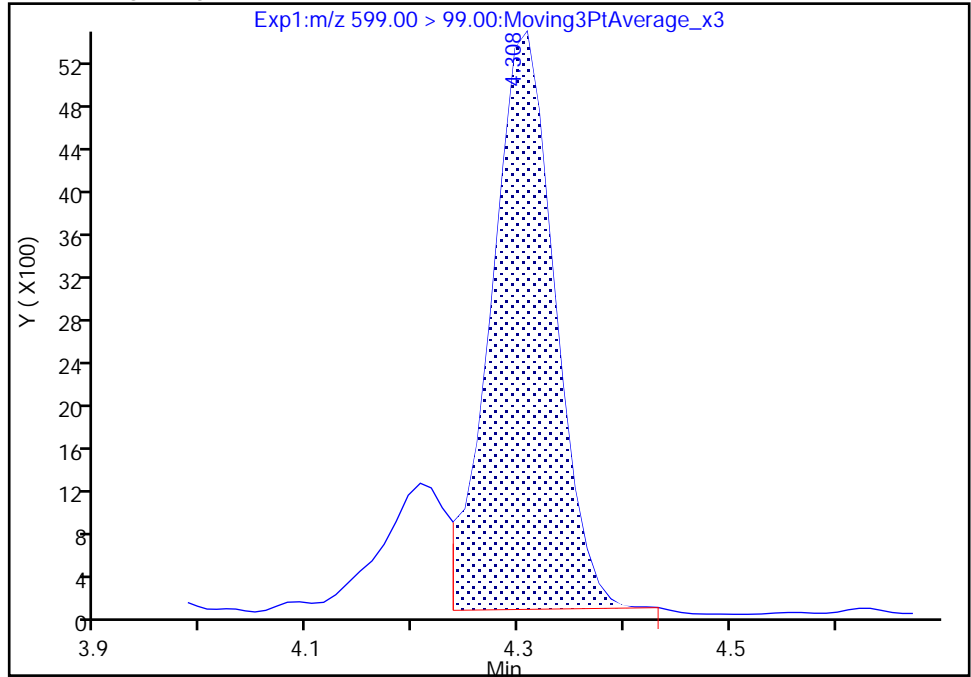
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A27.d
Injection Date: 08-Dec-2022 18:21:15 Instrument ID: LC812
Lims ID: 460-270515-A-4-A Lab Sample ID: 200-270515-4
Client ID: BCS-09-14_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 24 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

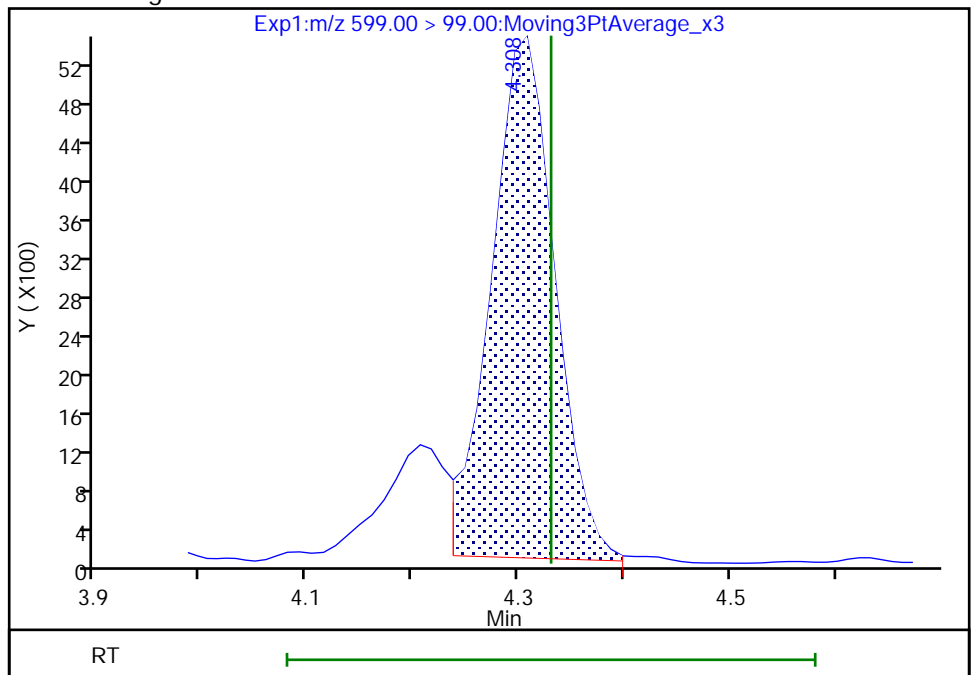
RT: 4.31
Area: 22444
Amount: 0.089194
Amount Units: ng/ml

Processing Integration Results



RT: 4.31
Area: 22493
Amount: 0.090756
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 17:38:51

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

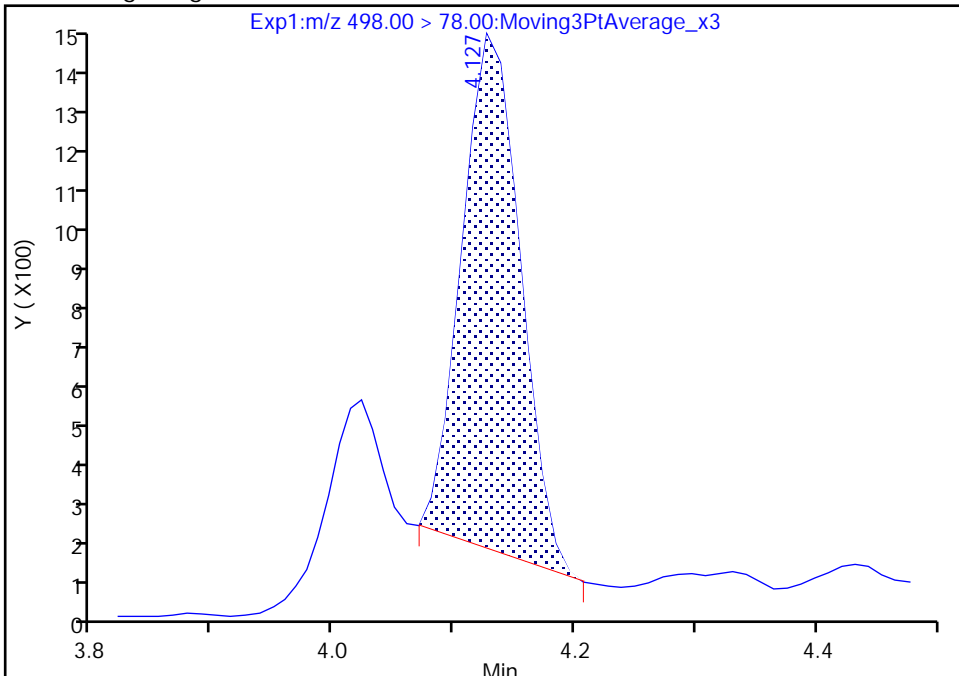
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A27.d
Injection Date: 08-Dec-2022 18:21:15 Instrument ID: LC812
Lims ID: 460-270515-A-4-A Lab Sample ID: 200-270515-4
Client ID: BCS-09-14_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 24 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

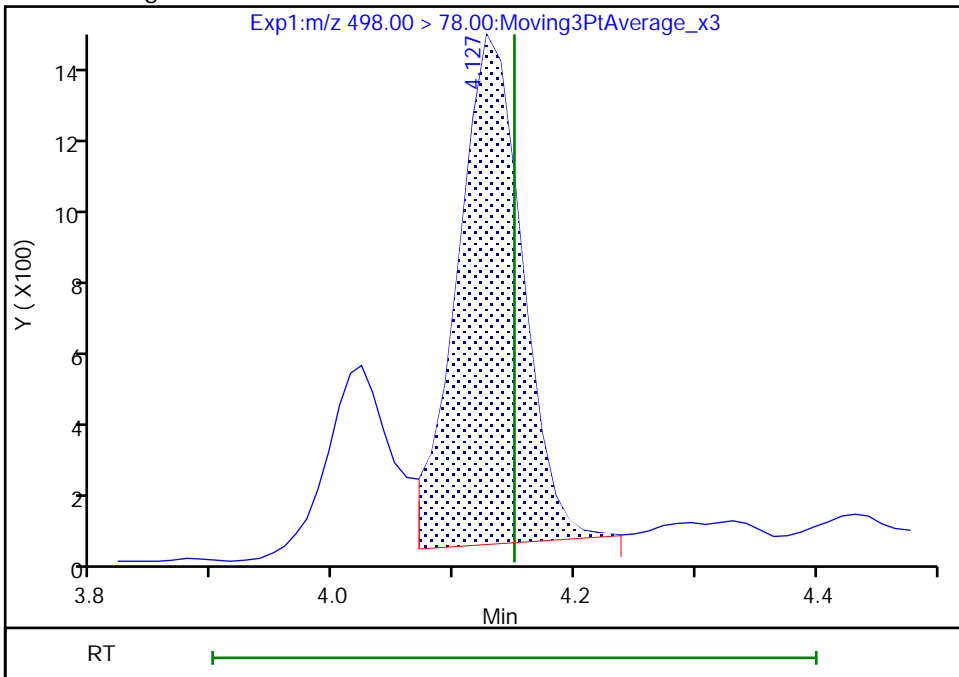
RT: 4.13
Area: 4324
Amount: 0.002861
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 5198
Amount: 0.003439
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:38:07
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

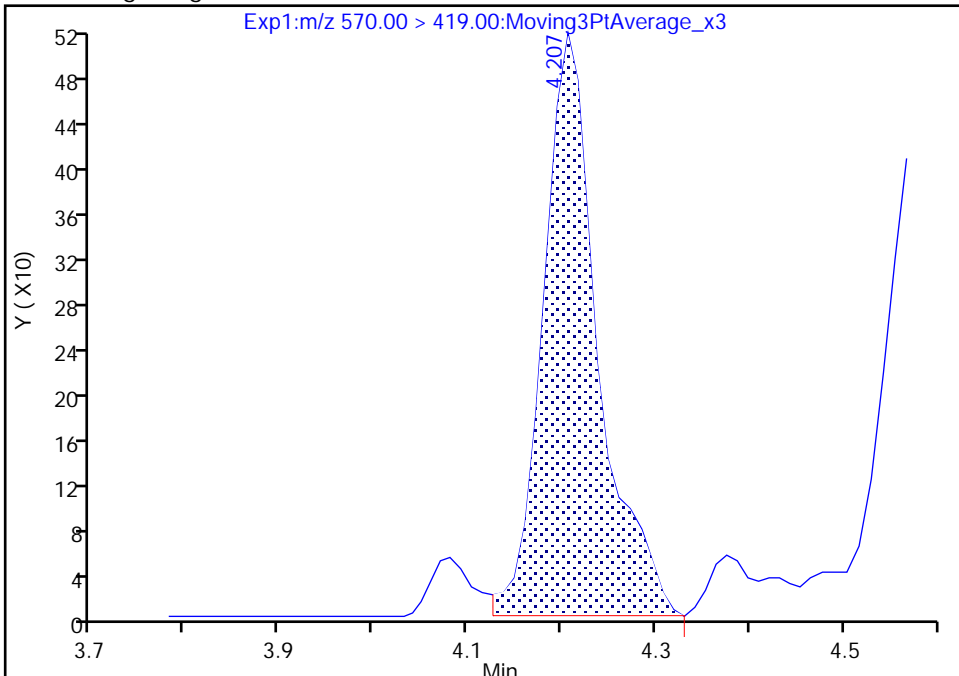
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A27.d
Injection Date: 08-Dec-2022 18:21:15 Instrument ID: LC812
Lims ID: 460-270515-A-4-A Lab Sample ID: 200-270515-4
Client ID: BCS-09-14_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 24 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

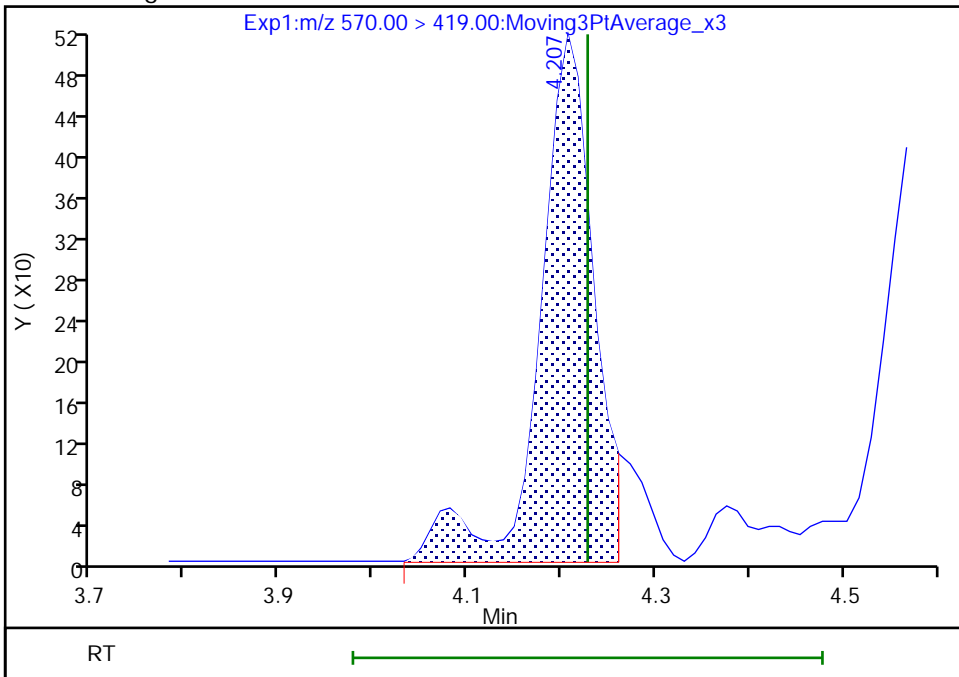
RT: 4.21
Area: 2092
Amount: -0.005315
Amount Units: ng/ml

Processing Integration Results



RT: 4.21
Area: 2038
Amount: -0.005478
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:38:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

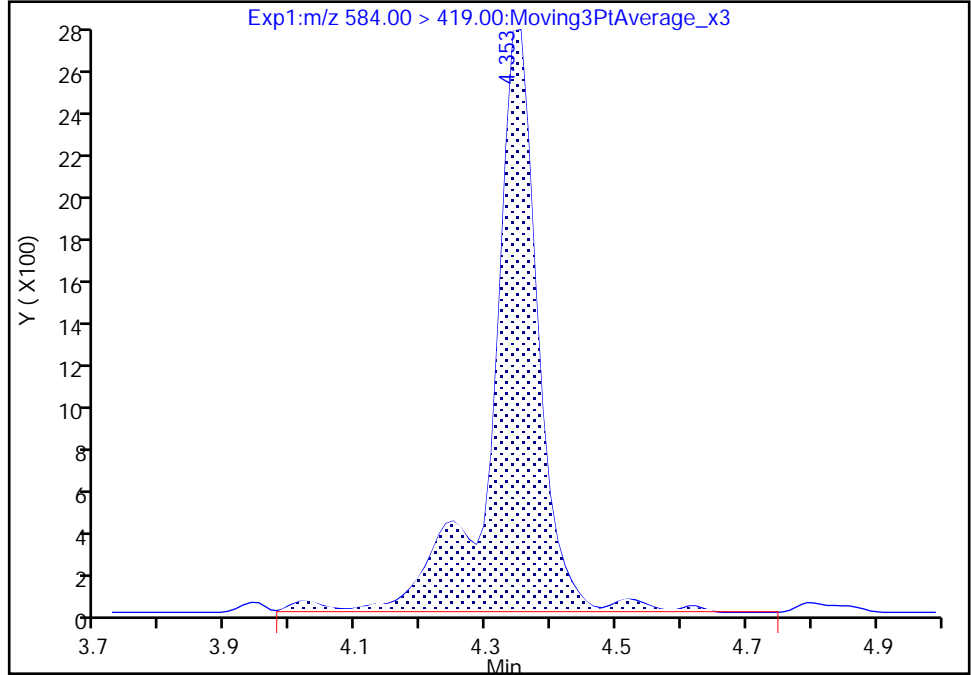
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A27.d
Injection Date: 08-Dec-2022 18:21:15 Instrument ID: LC812
Lims ID: 460-270515-A-4-A Lab Sample ID: 200-270515-4
Client ID: BCS-09-14_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 24 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

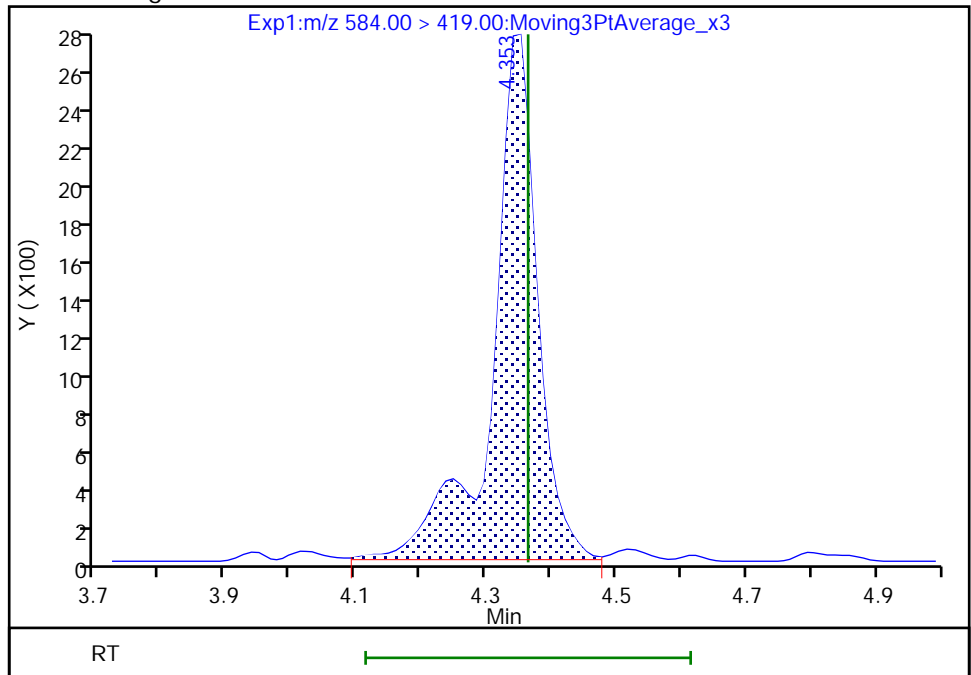
RT: 4.35
Area: 14189
Amount: 0.038695
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 13526
Amount: 0.036887
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:39:48
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

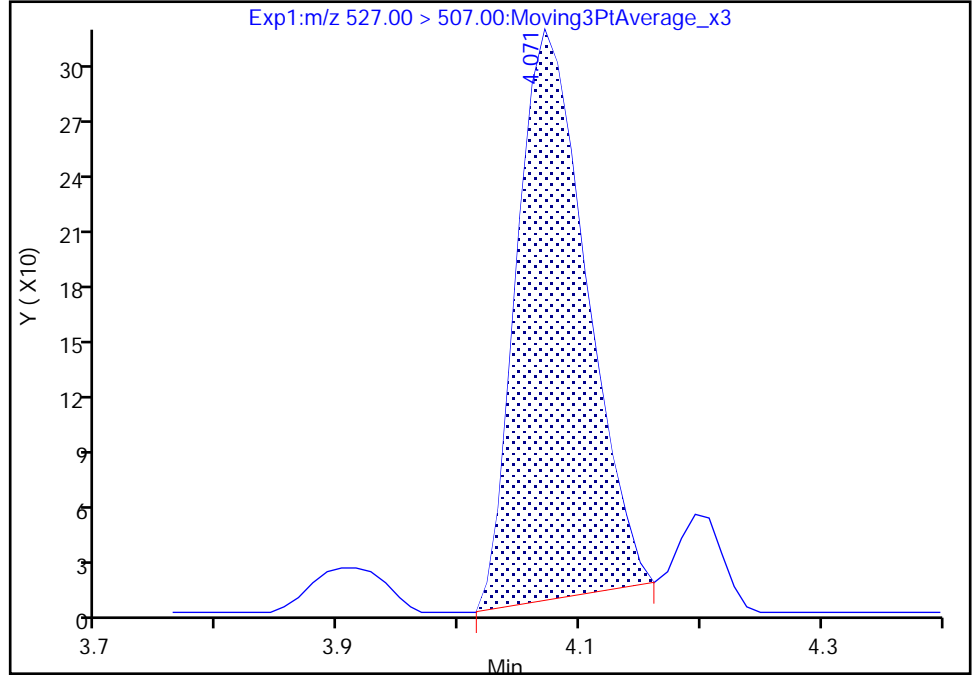
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Injection Date: 08-Dec-2022 18:21:15 Instrument ID: LC812
Lims ID: 460-270515-A-4-A Lab Sample ID: 200-270515-4
Client ID: BCS-09-14_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 24 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

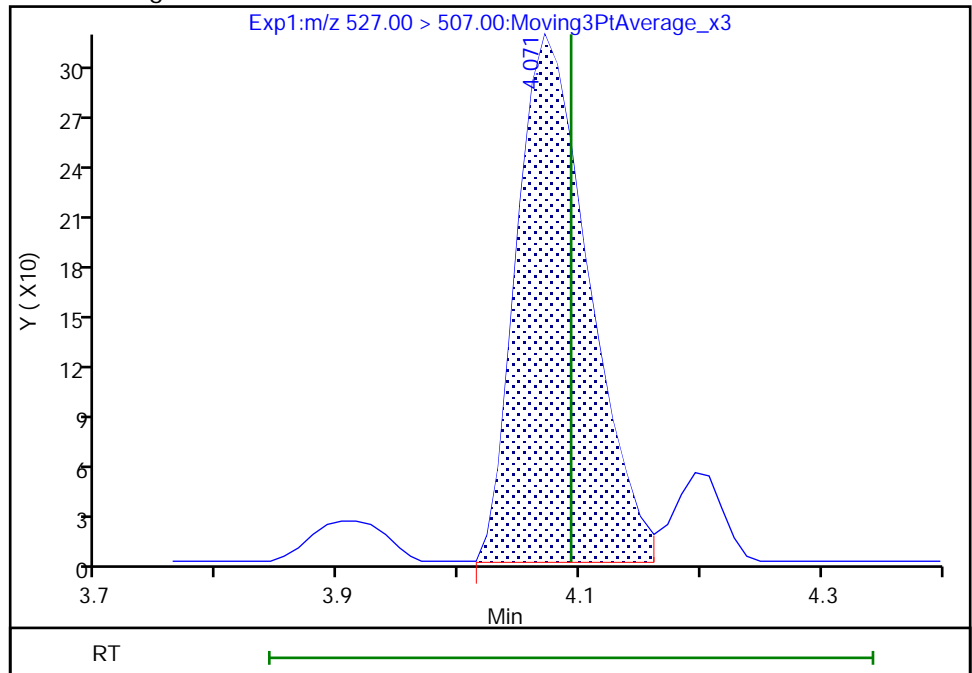
RT: 4.07
Area: 1234
Amount: 0.002801
Amount Units: ng/ml

Processing Integration Results



RT: 4.07
Area: 1305
Amount: 0.002962
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:38:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

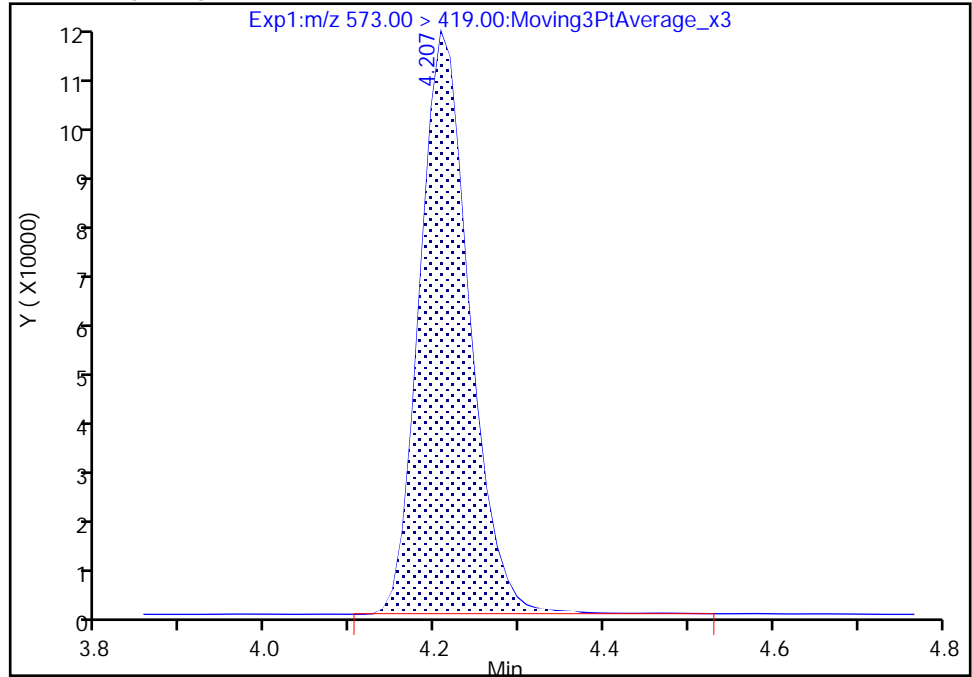
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A27.d
Injection Date: 08-Dec-2022 18:21:15 Instrument ID: LC812
Lims ID: 460-270515-A-4-A Lab Sample ID: 200-270515-4
Client ID: BCS-09-14_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 24 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118
Signal: 1

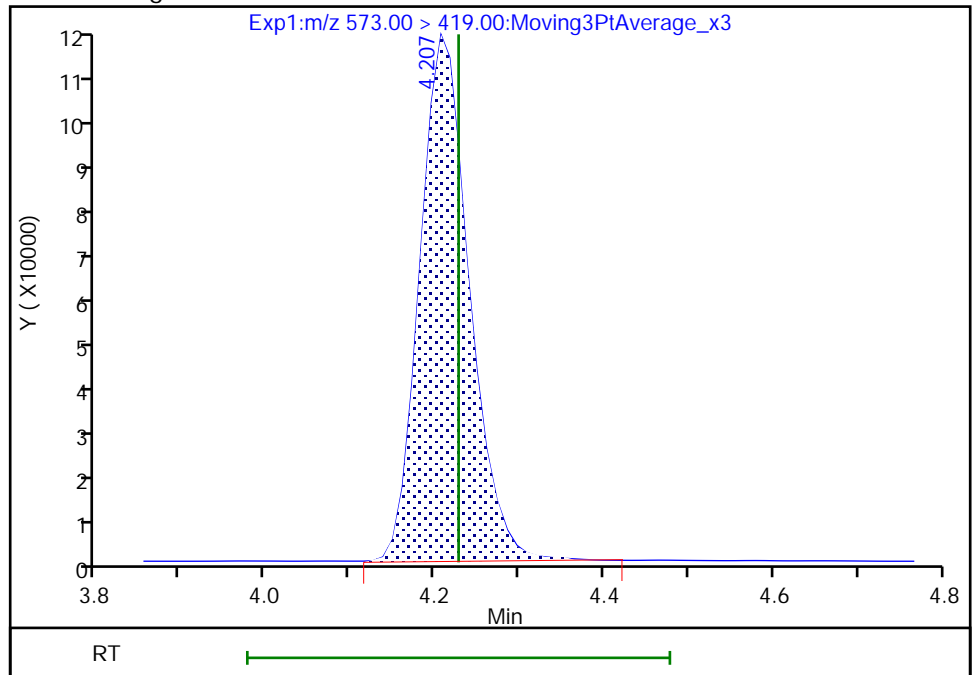
RT: 4.21
Area: 483056
Amount: 1.093963
Amount Units: ng/ml

Processing Integration Results



RT: 4.21
Area: 481621
Amount: 1.093306
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:34:40
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

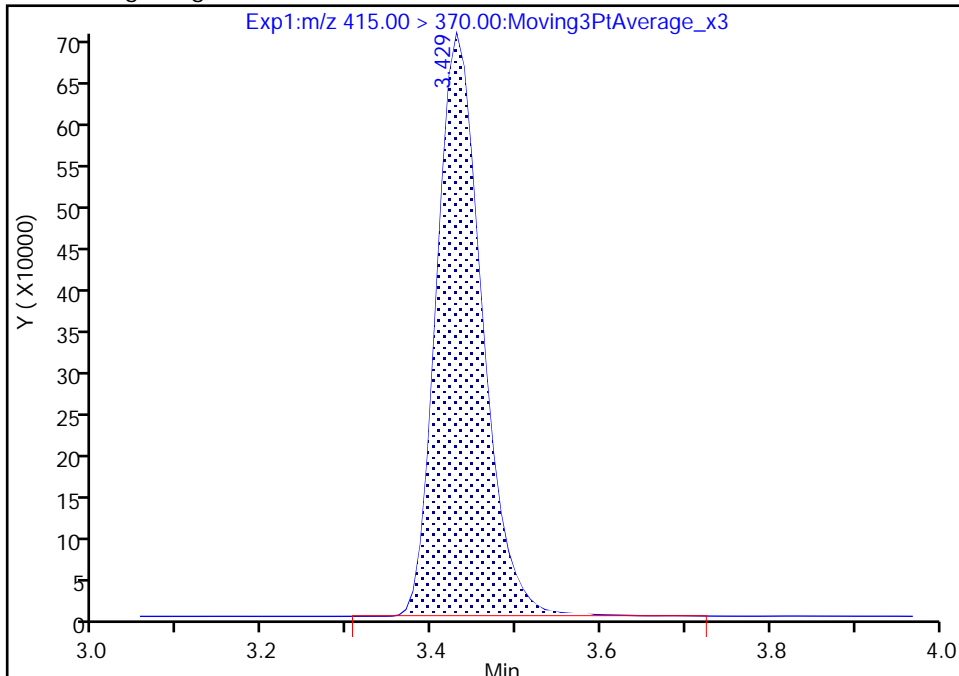
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Injection Date: 08-Dec-2022 18:21:15 Instrument ID: LC812
Lims ID: 460-270515-A-4-A Lab Sample ID: 200-270515-4
Client ID: BCS-09-14_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 24 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

* 62 13C2 PFOA, CAS: STL00623

Signal: 1

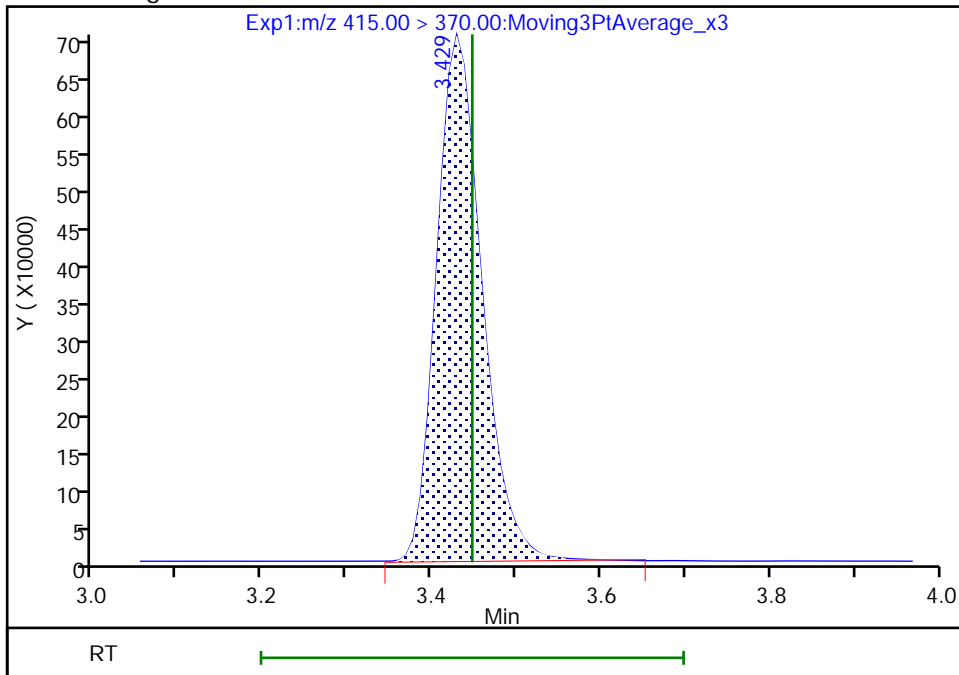
RT: 3.43
Area: 2644879
Amount: 1.250000
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 2638607
Amount: 1.250000
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:34:55
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Client Sample ID: BCS-09-15_(5-5.5)P Lab Sample ID: 460-270515-5
 Matrix: Solid Lab File ID: PA221208A28.d
 Analysis Method: 537 (modified) Date Collected: 12/01/2022 12:16
 Extraction Method: SHAKE Date Extracted: 12/07/2022 08:59
 Sample wt/vol: 5.23(g) Date Analyzed: 12/08/2022 18:29
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: 9.9 % Solids: 90.1 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186513 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.53	U	0.53	0.35
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.21	U	0.21	0.058
307-24-4	Perfluorohexanoic acid (PFHxA)	0.21	U	0.21	0.049
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.21	U	0.21	0.041
335-67-1	Perfluorooctanoic acid (PFOA)	0.21	U	0.21	0.062
375-95-1	Perfluorononanoic acid (PFNA)	0.21	U	0.21	0.036
335-76-2	Perfluorodecanoic acid (PFDA)	0.21	U	0.21	0.030
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.21	U	0.21	0.029
307-55-1	Perfluorododecanoic acid (PFDoA)	0.21	U	0.21	0.027
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.21	U	0.21	0.027
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.21	U	0.21	0.028
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.21	U	0.21	0.035
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.21	U	0.21	0.043
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.21	U	0.21	0.024
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.21	U	0.21	0.12
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.21	U	0.21	0.020
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.037	J	0.21	0.036
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.12	U	2.12	0.12
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.12	U	2.12	0.088
27619-97-2	6:2 FTS	2.12	U	2.12	0.060
39108-34-4	8:2 FTS	2.12	U	2.12	0.039

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Client Sample ID: BCS-09-15_(5-5.5)P Lab Sample ID: 460-270515-5
 Matrix: Solid Lab File ID: PA221208A28.d
 Analysis Method: 537 (modified) Date Collected: 12/01/2022 12:16
 Extraction Method: SHAKE Date Extracted: 12/07/2022 08:59
 Sample wt/vol: 5.23(g) Date Analyzed: 12/08/2022 18:29
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: 9.9 % Solids: 90.1 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186513 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	87		50-150
STL01892	13C4 PFHpA	92		50-150
STL00990	13C4 PFOA	89		50-150
STL00991	13C4 PFOS	82		50-150
STL00995	13C5 PFNA	93		50-150
STL00992	13C4 PFBA	81		50-150
STL00993	13C2 PFHxA	89		50-150
STL00996	13C2 PFDA	92		50-150
STL00997	13C2 PFUnA	90		50-150
STL00998	13C2 PFDoA	75		50-150
STL01056	13C8 FOSA	78		50-150
STL01893	13C5 PFPeA	83		50-150
STL02116	13C2 PFTeDA	79		50-150
STL02118	d3-NMeFOSAA	86		50-150
STL02117	d5-NEtFOSAA	84		50-150
STL02279	M2-6:2 FTS	99		50-150
STL02280	M2-8:2 FTS	81		50-150
STL02337	13C3 PFBS	82		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A28.d
 Lims ID: 460-270515-A-5-A
 Client ID: BCS-09-15_(5-5.5)P
 Sample Type: Client
 Inject. Date: 08-Dec-2022 18:29:25 ALS Bottle#: 25 Worklist Smp#: 28
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 460-270515-A-5-A
 Misc. Info.: 200-0053607-028 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 13-Dec-2022 09:03:28 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1634

First Level Reviewer: nampitakw Date: 09-Dec-2022 17:46:37
 Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA	217.00 > 172.00	2.085	2.076	0.009	0.605	2404555	1.01	80.9	8936	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.093	2.076	0.017	1.004	66254	0.0334		5.7		M
D 3 13C5 PFPeA	267.90 > 223.00	2.386	2.387	-0.001	0.692	1880698	1.04	83.1	3957	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.386	2.387	-0.001	1.000	16156	0.009853		0.4		M
D 47 13C3 PFBS	301.90 > 80.00	2.400	2.400	0.0	0.696	1873198	0.9523	81.9	333004	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.413	2.400	0.013	1.006	2754	0.001494	Target=2.09	4.8		M
298.90 > 99.00	2.413	2.400	0.013	1.006	1230		2.24(1.04-3.13)	0.8		M
D 7 13C2 PFHxA	315.00 > 270.00	2.737	2.725	0.012	0.794	2113355	1.11	89.1	4355	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.737	2.725	0.012	1.000	15036	0.008162	Target=14.25	3.2		M
313.00 > 119.00	2.725	2.725	0.0	0.996	968		15.53(7.12-21.37)	2.1		M
D 11 18O2 PFHxS	403.00 > 84.00	3.088	3.088	0.0	0.896	1468987	1.03	86.7	2836	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.088	3.088	0.0	1.000	6880	0.004907	Target=3.66	25.9		M
399.00 > 99.00	3.088	3.088	0.0	1.000	2168		3.17(1.83-5.49)	2.9		M
D 9 13C4 PFHpA	367.00 > 322.00	3.099	3.099	0.0	0.899	2250459	1.15	92.3	5590	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.099	3.099	0.0	1.000	6688	0.003412	Target=3.97	1.8		
363.00 > 169.00	3.088	3.099	-0.011	0.996	2919		2.29(1.98-5.95)	6.7		

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 12 M2-6:2 FTS										
429.00 > 81.00	3.439	3.439	0.0	0.997	281125	1.17		98.5	824	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.439	3.439	0.0	1.000	1198	-0.009477		4.5		M
D 14 13C4 PFOA										
417.00 > 372.00	3.447	3.448	-0.001	1.000	2453807	1.12		89.5	5853	
* 62 13C2 PFOA										
415.00 > 370.00	3.447	3.448	-0.001		2649231	1.25			4388	
15 Perfluorooctanoic acid										RM
413.00 > 369.00	3.447	3.448	-0.001	1.000	22336	0.0106	Target=2.79	1.3		R
413.00 > 169.00	3.439	3.448	-0.009	0.997	4754		4.70(1.40-4.19)	9.6		M
D 18 13C4 PFOS										
503.00 > 80.00	3.764	3.764	0.0	1.092	955800	0.9830		82.3	3851	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.764	3.764	0.0	1.000	4769	0.004903	Target=5.11	5.6		M
499.00 > 99.00	3.792	3.764	0.028	1.008	1448		3.29(2.55-7.66)	2.1		M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.783	3.783	0.0	1.000	5401	0.002619	Target=8.55	1.3		M
463.00 > 169.00	3.783	3.783	0.0	1.000	439		12.30(4.28-12.83)	5.8		M
D 19 13C5 PFNA										
468.00 > 423.00	3.783	3.783	0.0	1.097	2485161	1.17		93.3	4500	
D 23 13C2 PFDA										
515.00 > 470.00	4.081	4.081	0.0	1.184	2505310	1.15		92.3	4758	
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.093	4.081	0.012	1.003	7202	0.003313	Target=10.26	2.3		M
513.00 > 169.00	4.071	4.081	-0.010	0.997	932		7.73(5.13-15.38)	1.9		M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.093	4.093	0.0	1.187	283505	0.9646		80.5	988	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.093	4.093	0.0	1.000	794	0.002074		16.0		M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.138	4.150	-0.012	1.000	25027	0.0172		97.5		
D 21 13C8 FOSA										
506.00 > 78.00	4.138	4.150	-0.012	1.200	1739052	0.9765		78.1	3019	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.228	4.228	0.0	1.226	475912	1.08		86.1	1332	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.228	4.228	0.0	1.000	2463	-0.004107		13.6		M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.319	4.331	-0.012	1.148	685	0.001182	Target=2.51	6.4		M
599.00 > 99.00	4.319	4.331	-0.012	1.148	379		1.81(1.25-3.76)	6.7		M
D 30 13C2 PFUnA										
565.00 > 520.00	4.353	4.353	0.0	1.263	2244123	1.13		90.3	4456	
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.353	4.353	0.0	1.000	6377	0.003525	Target=9.88	2.9		M
563.00 > 169.00	4.353	4.353	0.0	1.000	546		11.68(4.94-14.82)	7.0		M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.365	4.365	0.0	1.000	3708	0.0113		37.4		M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.365	4.365	0.0	1.266	459202	1.05		84.4	860	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.591	4.591	0.0	1.000	7908	0.004882	Target=7.77	0.8		M
613.00 > 169.00	4.602	4.591	0.011	1.002	1156		6.84(3.89-11.66)	11.3		M
D 36 13C2 PFDaA										
615.00 > 570.00	4.591	4.591	0.0	1.332	1910992	0.9430		75.4	3926	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.803	4.804	-0.001	1.046	4419	0.002853	Target=5.21	0.5		M
663.00 > 169.00	4.813	4.804	0.009	1.048	833		5.30(2.60-7.81)	6.1		M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.022	5.012	0.010	1.002	764	0.004007	Target=0.89	8.9		M
713.00 > 219.00	5.002	5.012	-0.010	0.998	607		1.26(0.44-1.33)	10.4		
D 43 13C2 PFTeDA										
715.00 > 670.00	5.012	5.012	0.0	1.454	1741006	0.99		79.5	4645	

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromf\Burlington\ChromData\LC812\20221208-53607.b\PA221208A28.d

Injection Date: 08-Dec-2022 18:29:25

Instrument ID: LC812

Lims ID: 460-270515-A-5-A

Lab Sample ID: 200-270515-5

Client ID: BCS-09-15_(5-5.5)P

Operator ID: lc812tech

ALS Bottle#: 25

Worklist Smp#: 28

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

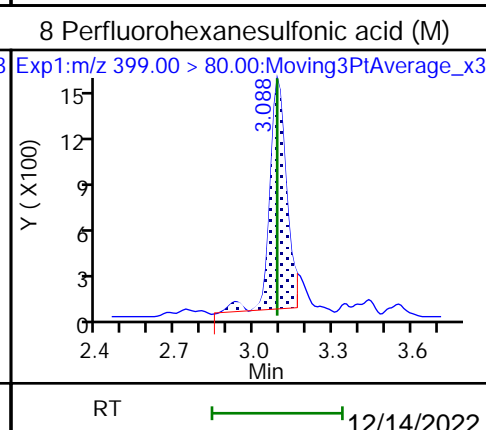
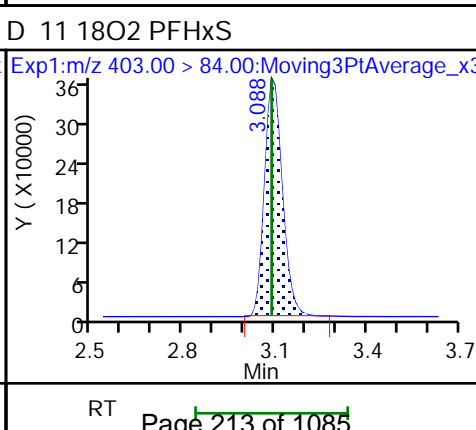
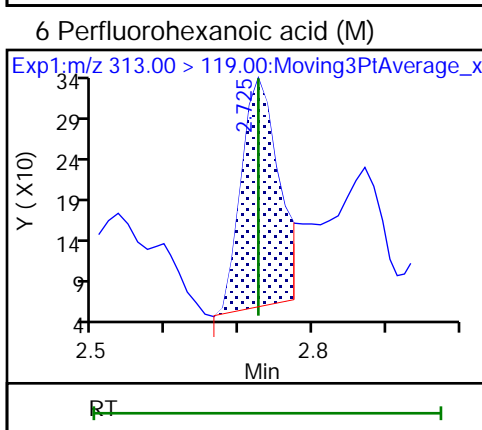
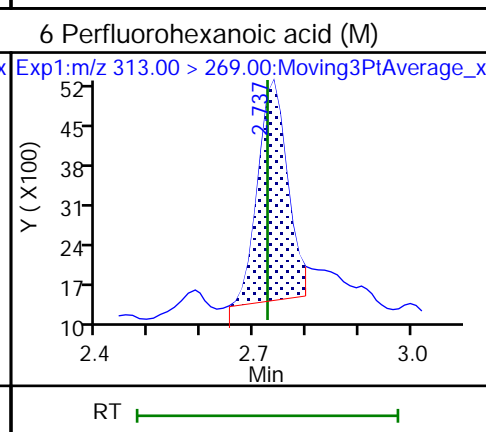
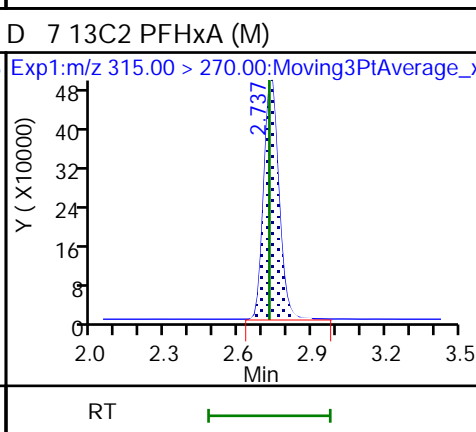
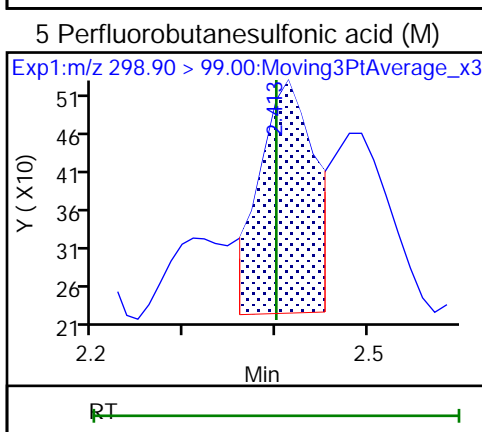
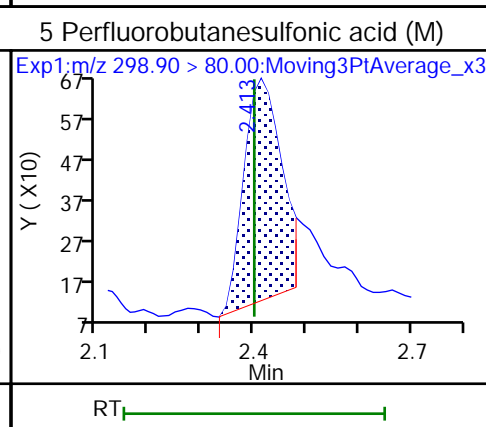
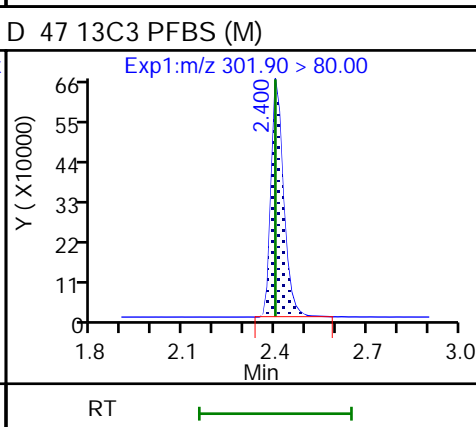
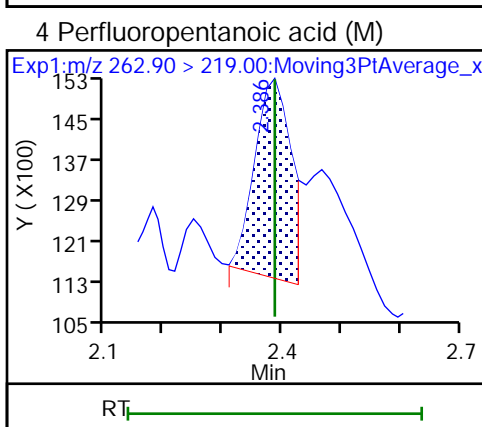
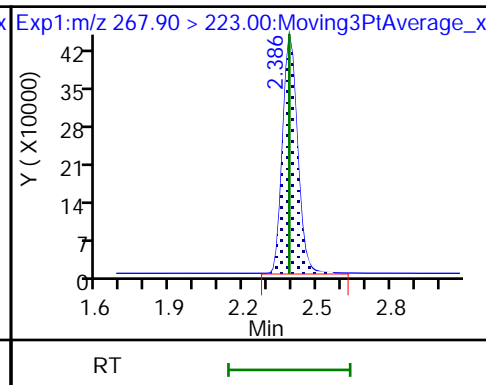
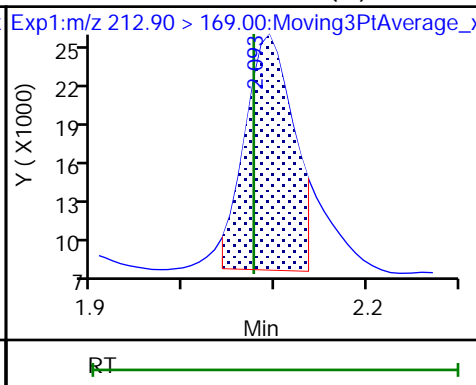
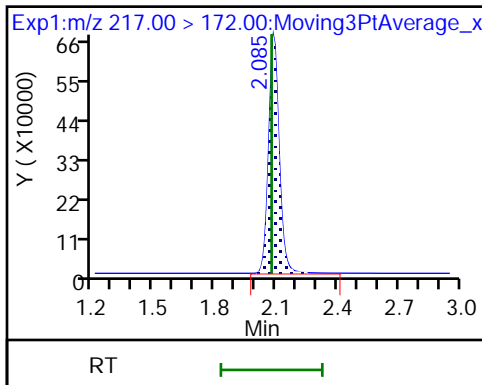
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

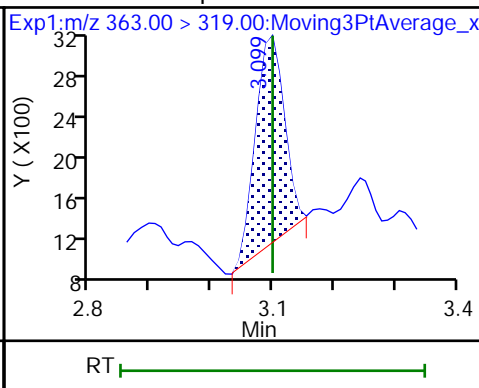
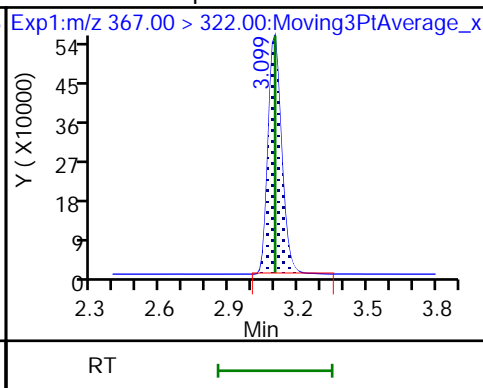
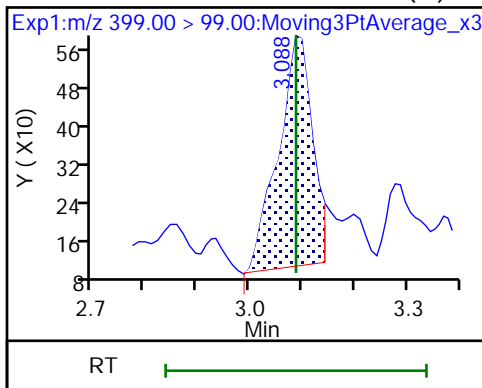
D 3 13C5 PFPeA



8 Perfluorohexanesulfonic acid (M)

D 9 13C4 PFHpA

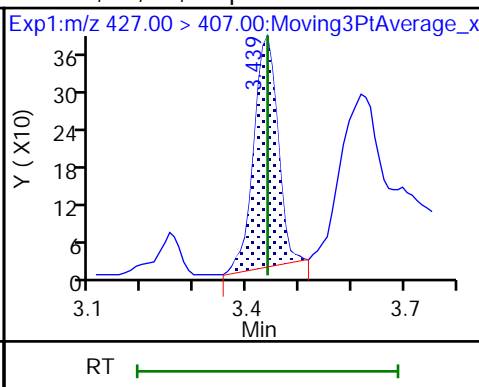
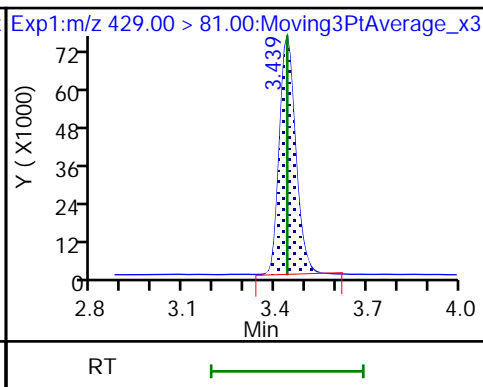
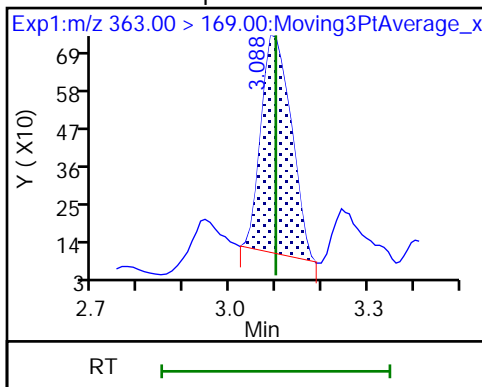
10 Perfluoroheptanoic acid



10 Perfluoroheptanoic acid

D 12 M2-6:2 FTS

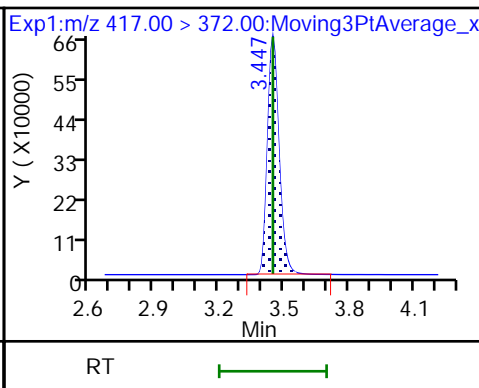
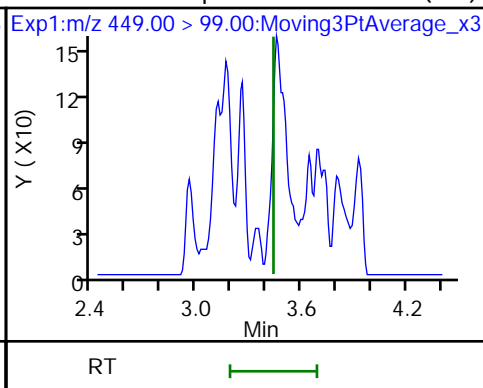
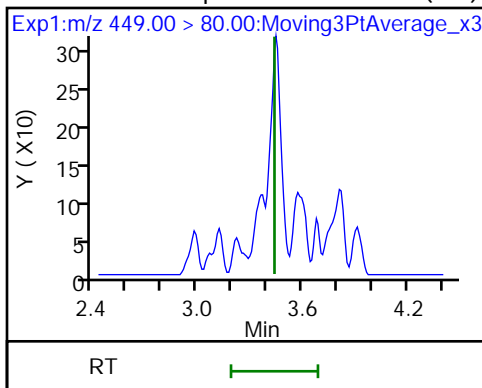
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



16 Perfluoroheptanesulfonic acid (ND)

16 Perfluoroheptanesulfonic acid (ND)

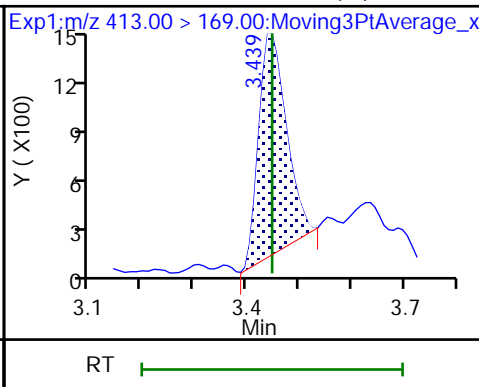
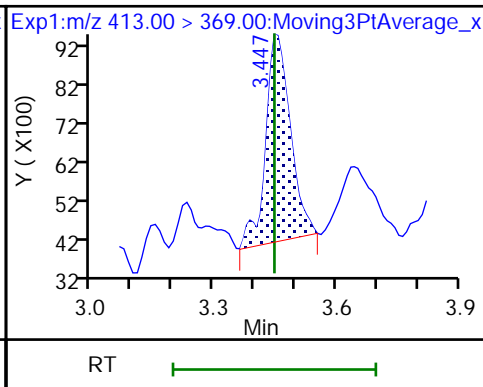
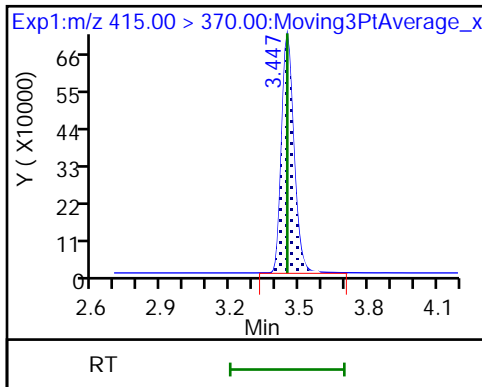
D 14 13C4 PFOA



* 62 13C2 PFOA

15 Perfluorooctanoic acid

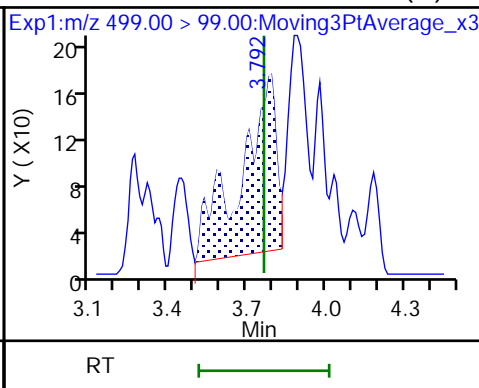
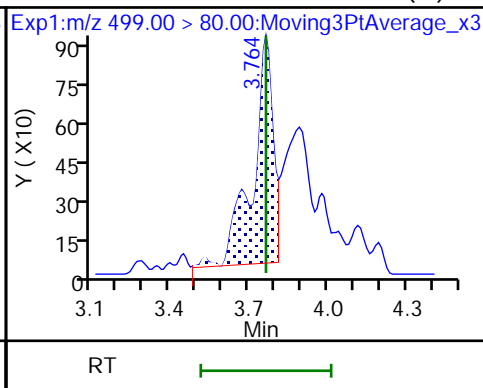
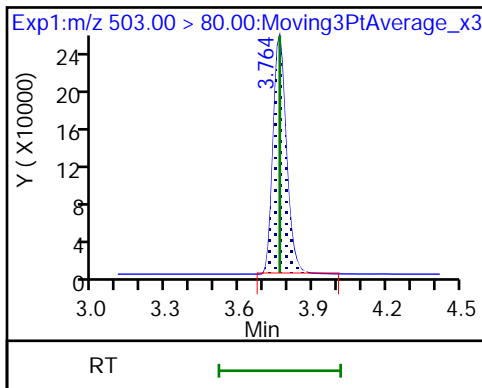
15 Perfluorooctanoic acid (M)



D 18 13C4 PFOS

17 Perfluorooctanesulfonic acid (M)

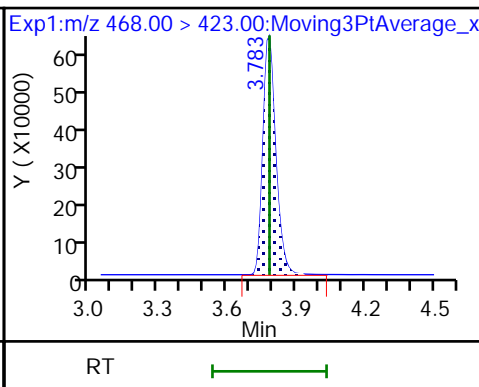
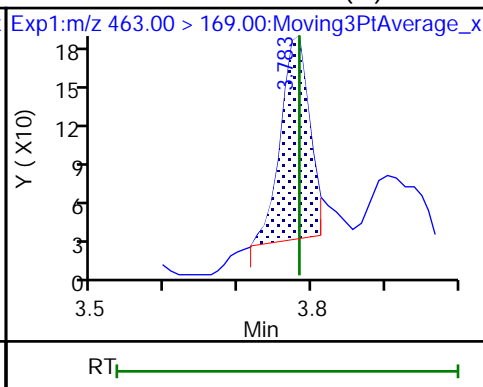
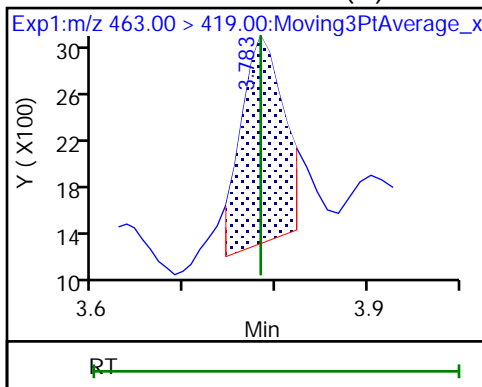
17 Perfluorooctanesulfonic acid (M)



20 Perfluorononanoic acid (M)

20 Perfluorononanoic acid (M)

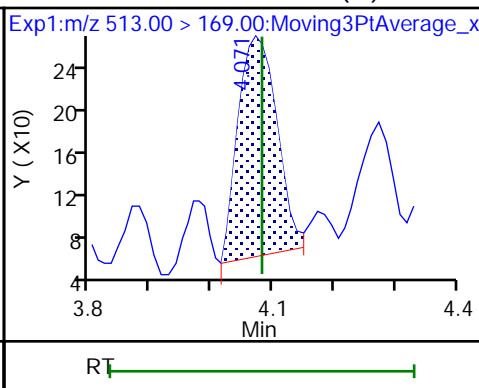
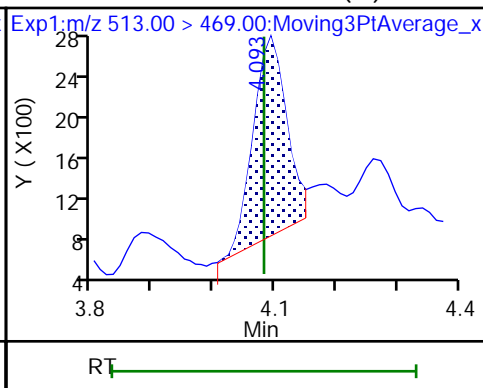
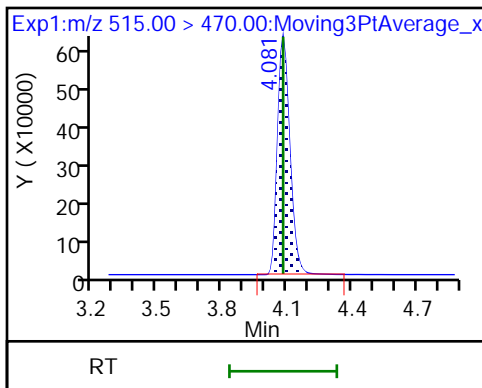
D 19 13C5 PFNA



D 23 13C2 PFDA

24 Perfluorodecanoic acid (M)

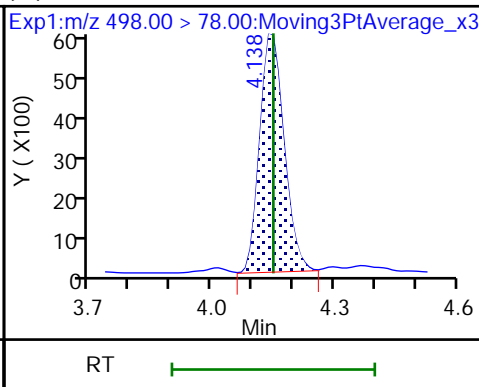
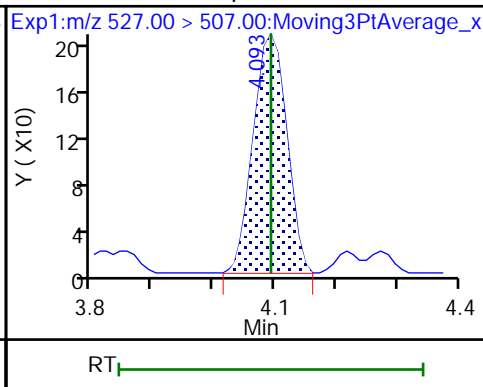
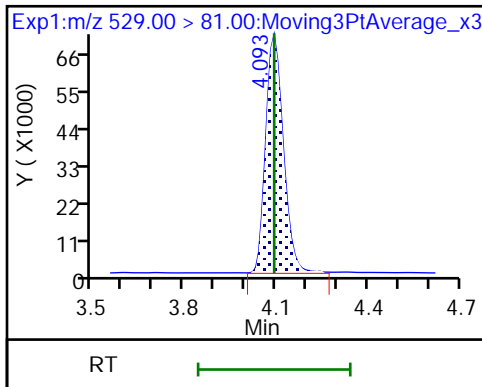
24 Perfluorodecanoic acid (M)



D 26 M2-8:2 FTS

25 1H,1H,2H,2H-perfluorodecanesulfo (M)

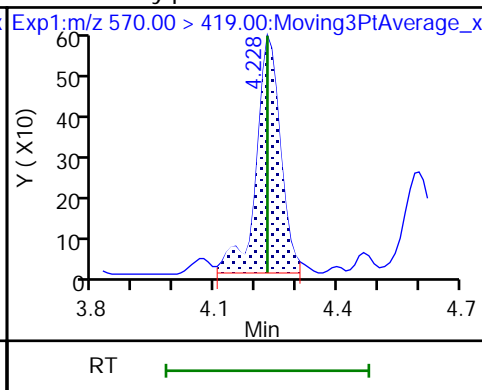
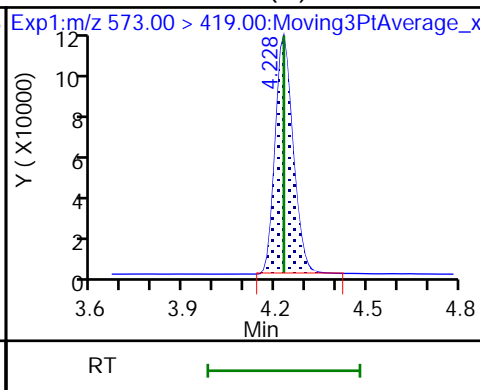
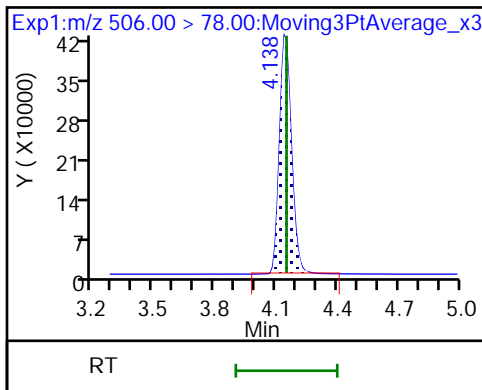
22 Perfluorooctanesulfonamide



D 21 13C8 FOSA

D 27 d3-NMeFOSAA (M)

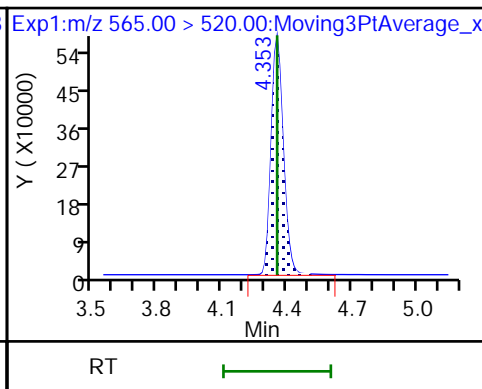
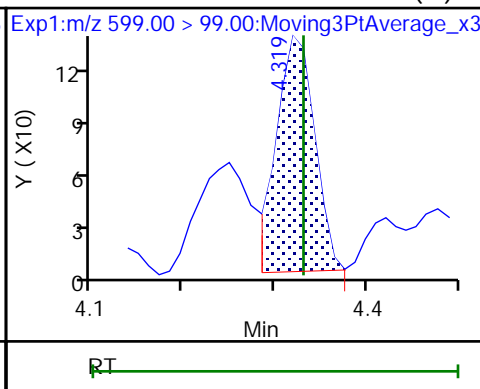
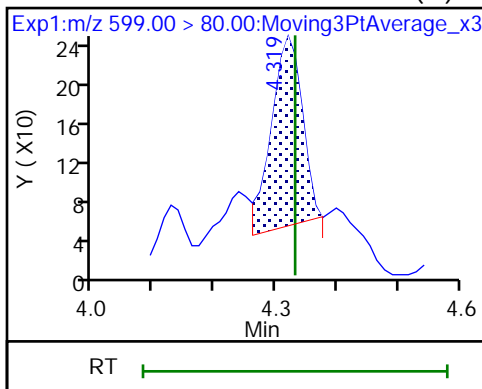
28 N-methylperfluorooctanesulfonami (M)



29 Perfluorodecanesulfonic acid (M)

29 Perfluorodecanesulfonic acid (M)

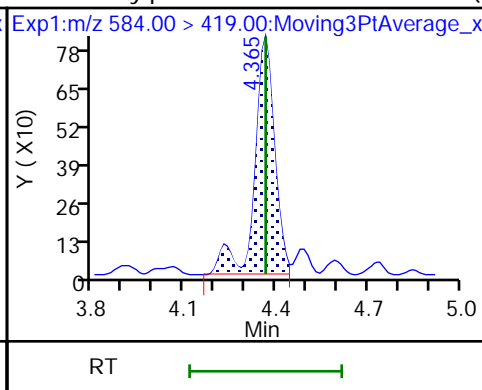
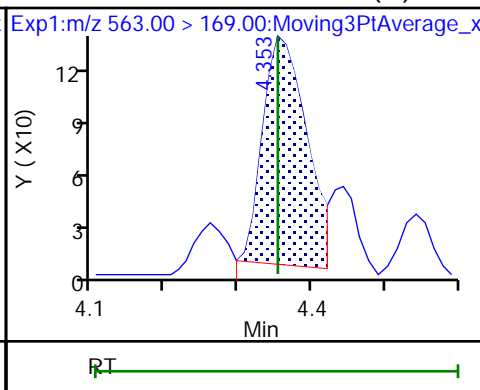
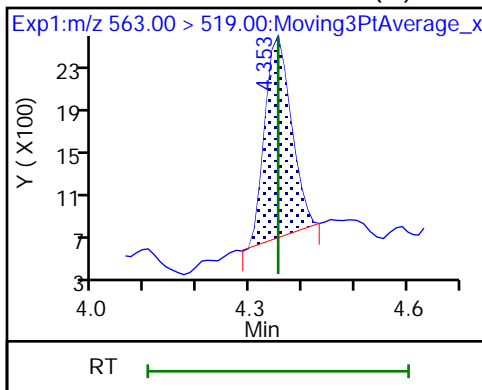
D 30 13C2 PFUnA



31 Perfluoroundecanoic acid (M)

31 Perfluoroundecanoic acid (M)

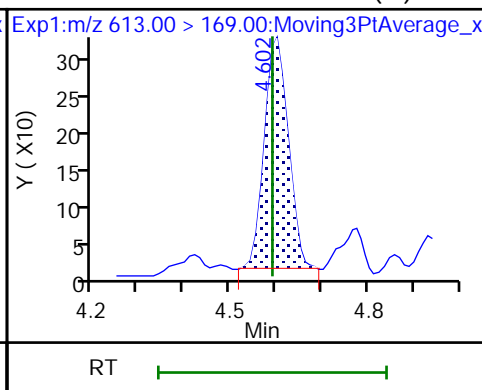
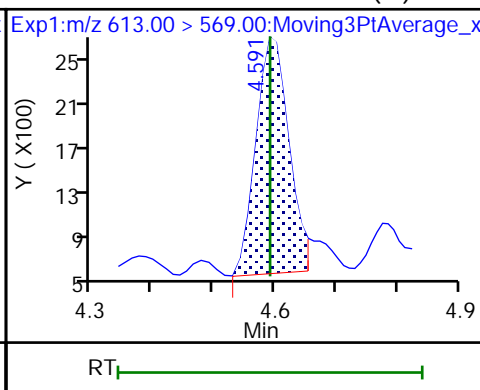
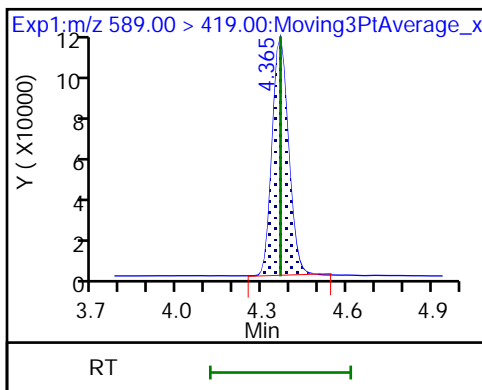
33 N-ethylperfluorooctanesulfonamid (M)



D 32 d5-NEtFOSAA

37 Perfluorododecanoic acid (M)

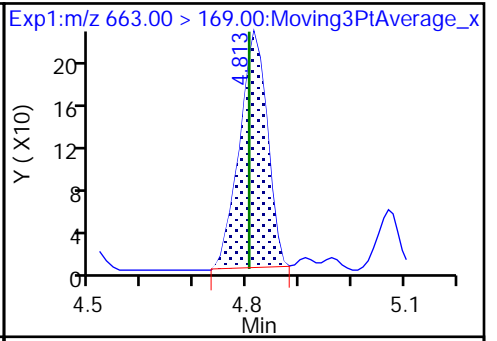
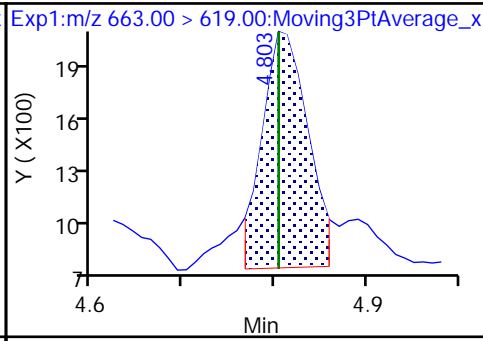
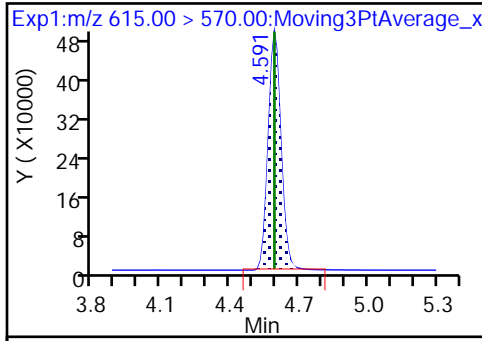
37 Perfluorododecanoic acid (M)



D 36 13C2 PFDaA

41 Perfluorotridecanoic acid (M)

41 Perfluorotridecanoic acid (M)



RT

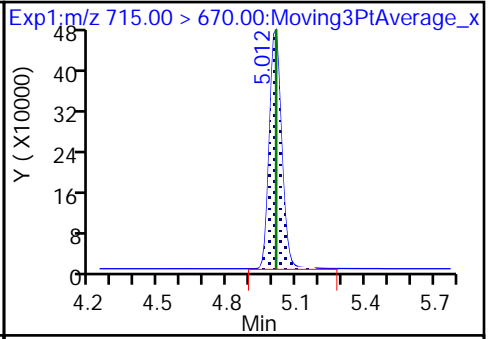
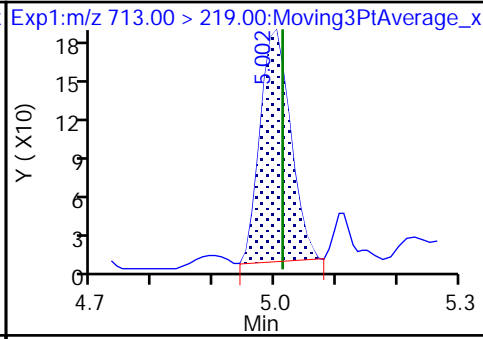
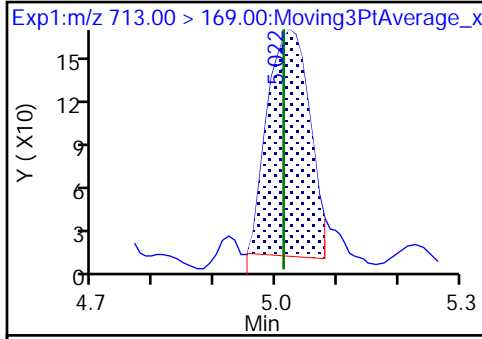
RT

RT

42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid

D 43 13C2 PFTeDA



RT

RT

RT

Eurofins Burlington

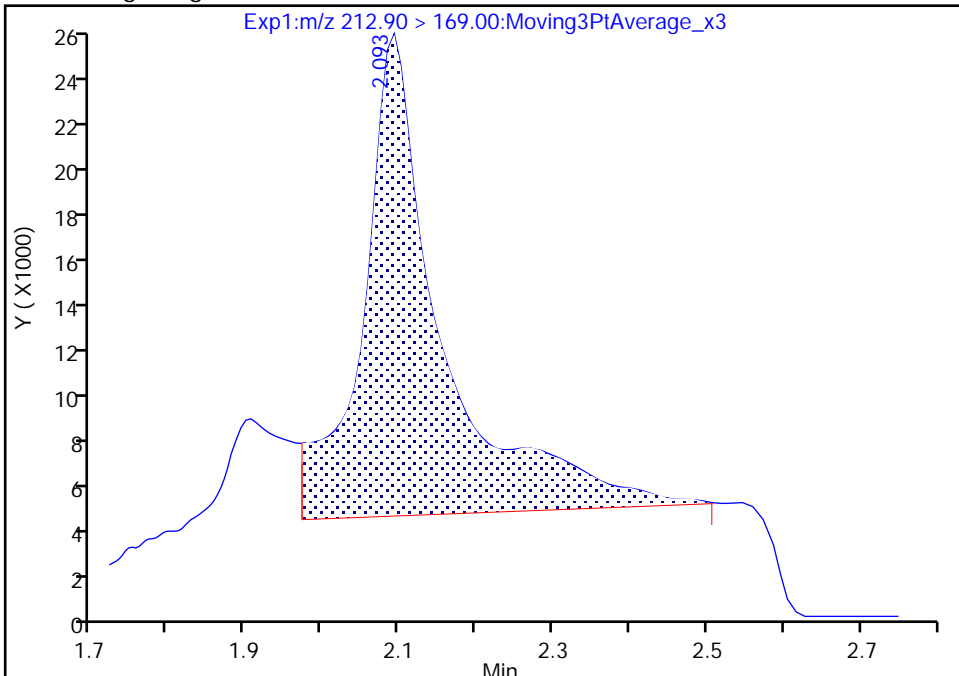
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Injection Date: 08-Dec-2022 18:29:25 Instrument ID: LC812
Lims ID: 460-270515-A-5-A Lab Sample ID: 200-270515-5
Client ID: BCS-09-15_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 28
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

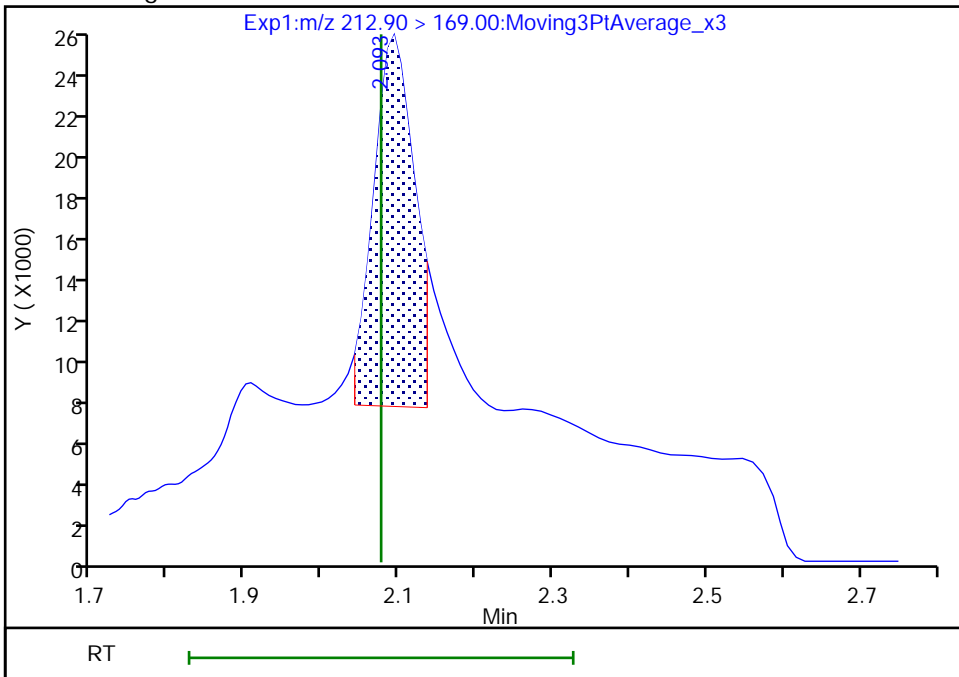
RT: 2.09
Area: 152473
Amount: 0.076865
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 66254
Amount: 0.033400
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:41:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

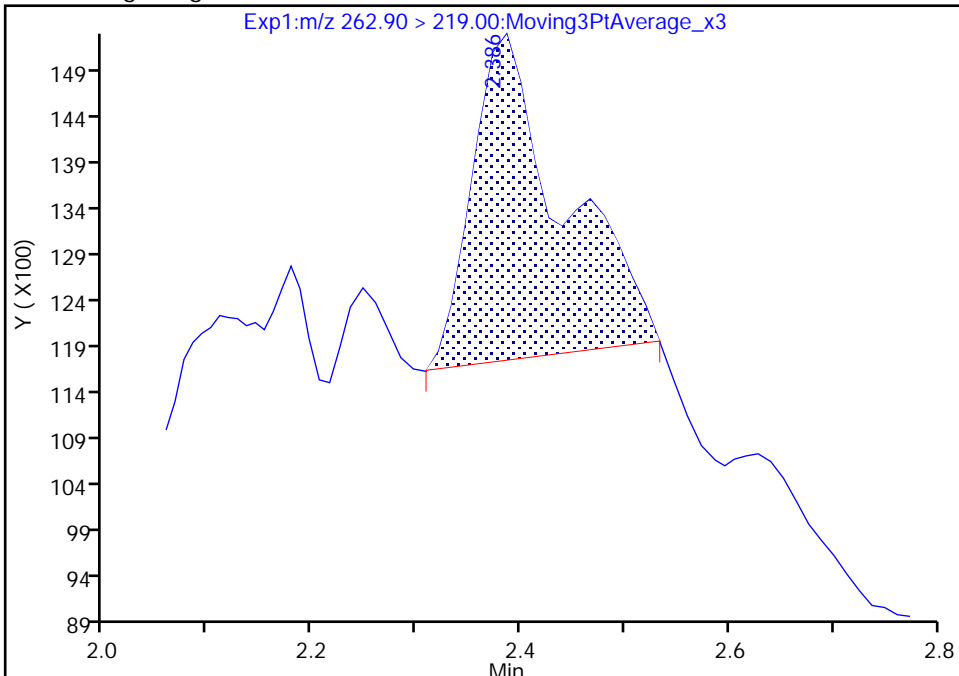
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A28.d
Injection Date: 08-Dec-2022 18:29:25 Instrument ID: LC812
Lims ID: 460-270515-A-5-A Lab Sample ID: 200-270515-5
Client ID: BCS-09-15_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 28
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

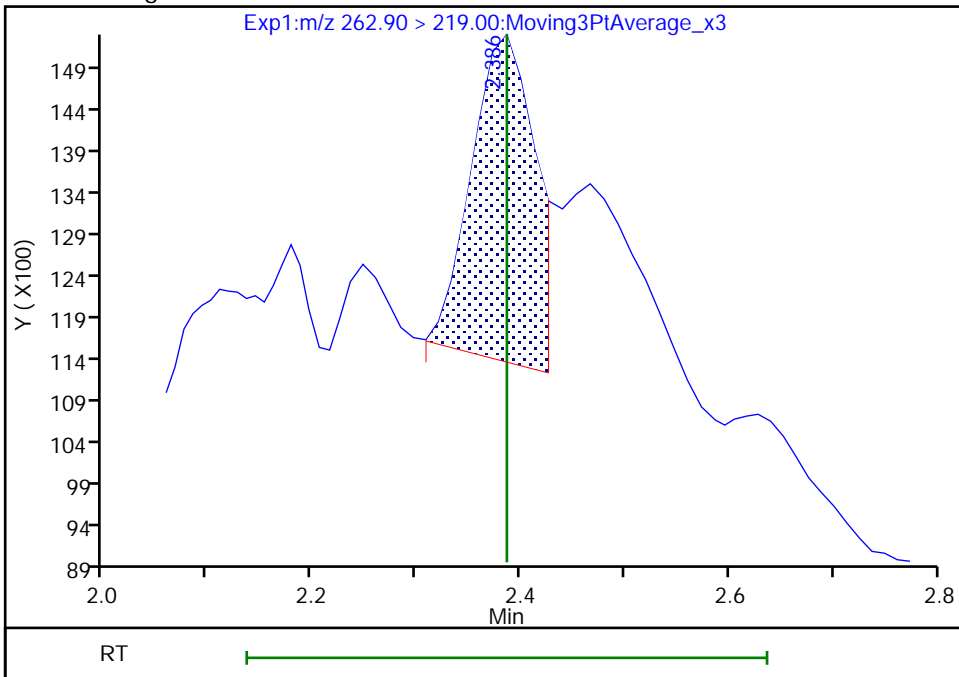
RT: 2.39
Area: 21402
Amount: 0.013052
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 16156
Amount: 0.009853
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:42:04
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

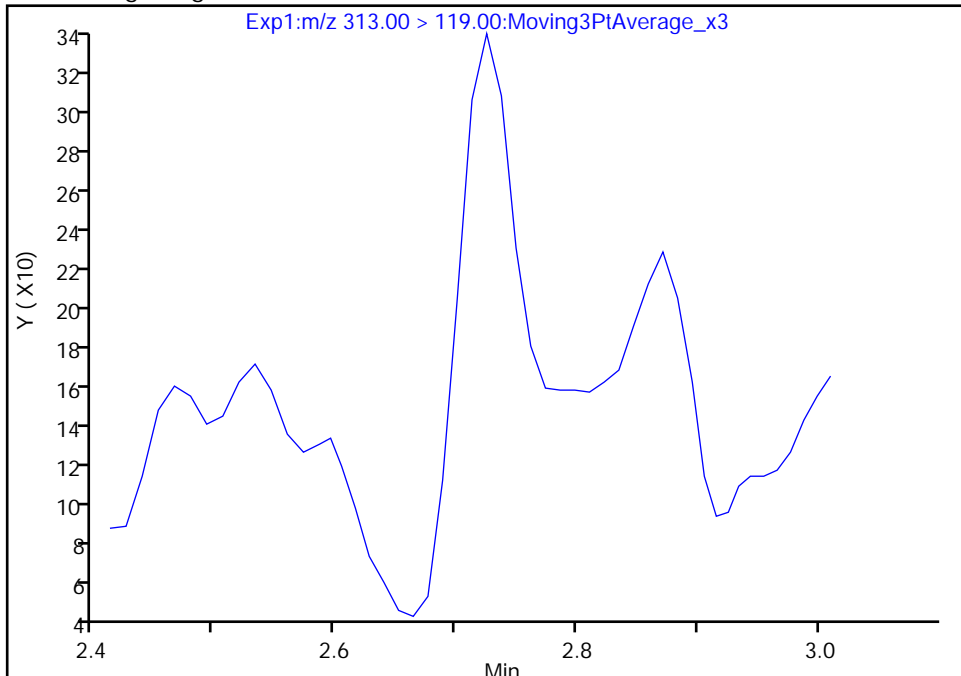
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Injection Date: 08-Dec-2022 18:29:25 Instrument ID: LC812
Lims ID: 460-270515-A-5-A Lab Sample ID: 200-270515-5
Client ID: BCS-09-15_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 28
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

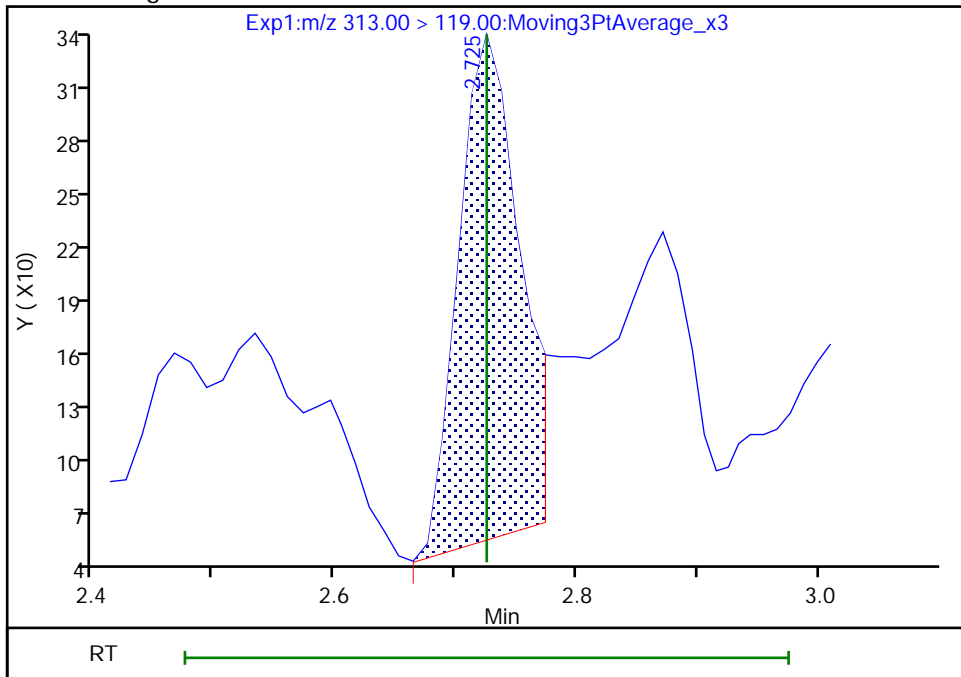
Not Detected
Expected RT: 2.73

Processing Integration Results



Manual Integration Results

RT: 2.73
Area: 968
Amount: 0.008162
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 17:42:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

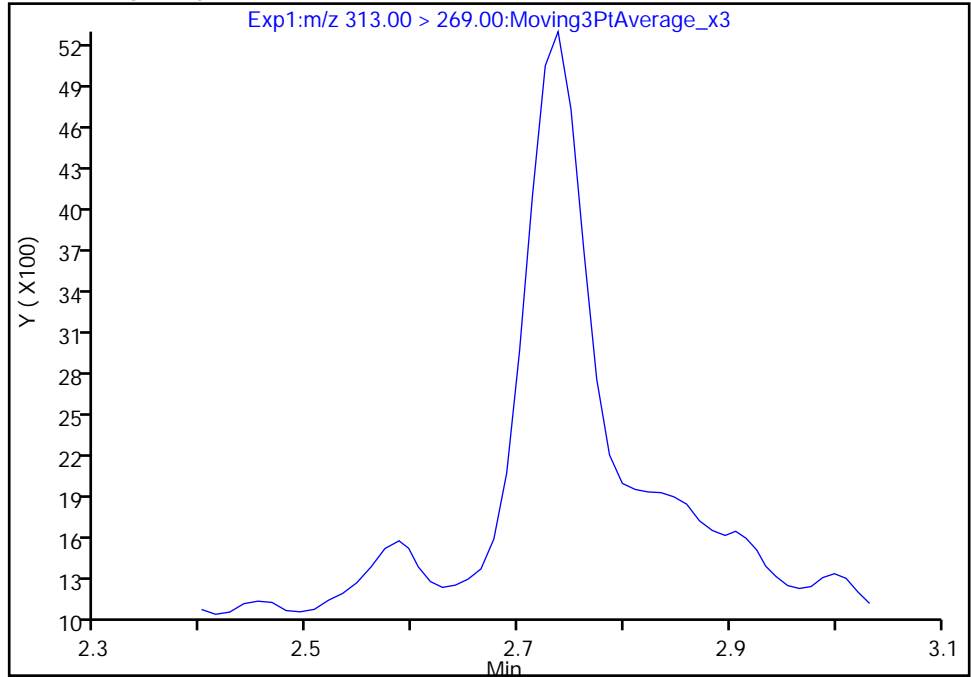
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Injection Date: 08-Dec-2022 18:29:25 Instrument ID: LC812
Lims ID: 460-270515-A-5-A Lab Sample ID: 200-270515-5
Client ID: BCS-09-15_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 28
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

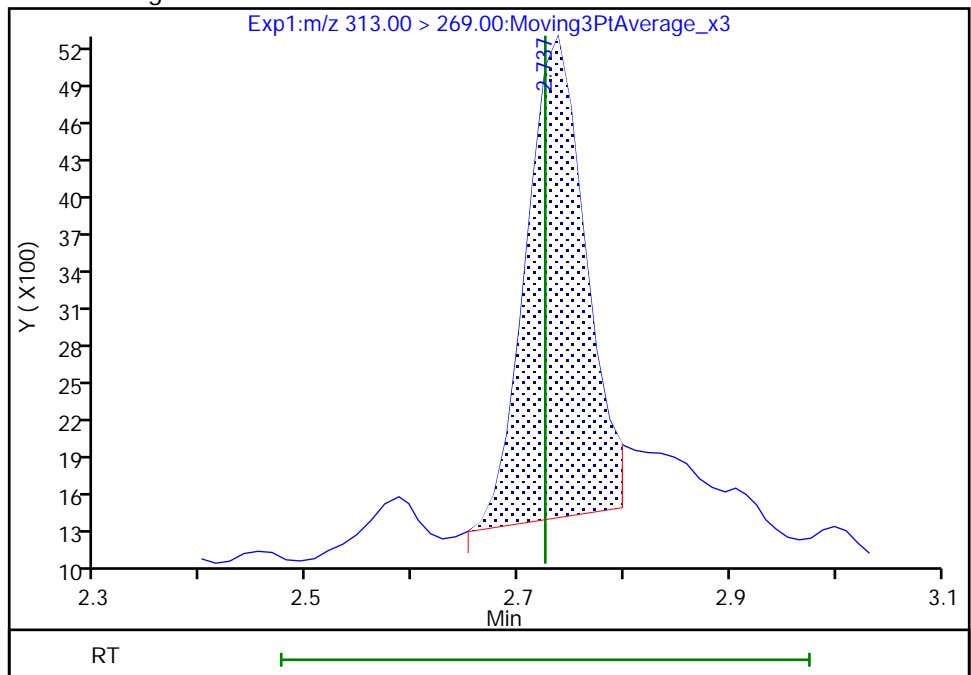
Not Detected
Expected RT: 2.73

Processing Integration Results



Manual Integration Results

RT: 2.74
Area: 15036
Amount: 0.008162
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 17:42:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

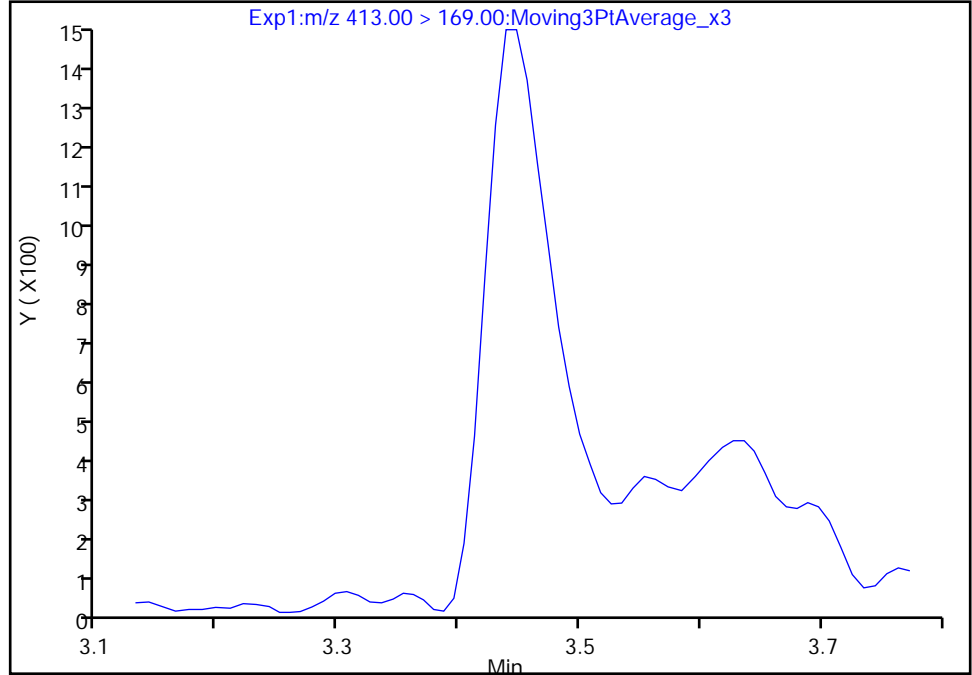
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Injection Date: 08-Dec-2022 18:29:25 Instrument ID: LC812
Lims ID: 460-270515-A-5-A Lab Sample ID: 200-270515-5
Client ID: BCS-09-15_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 28
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

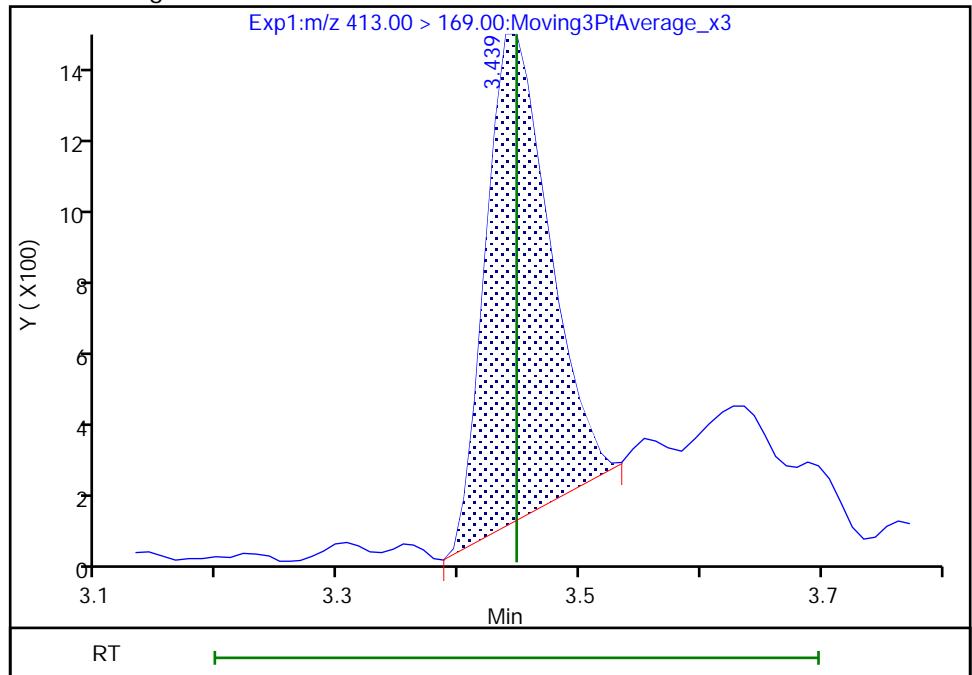
Not Detected
Expected RT: 3.45

Processing Integration Results



Manual Integration Results

RT: 3.44
Area: 4754
Amount: 0.010643
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 17:43:29
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

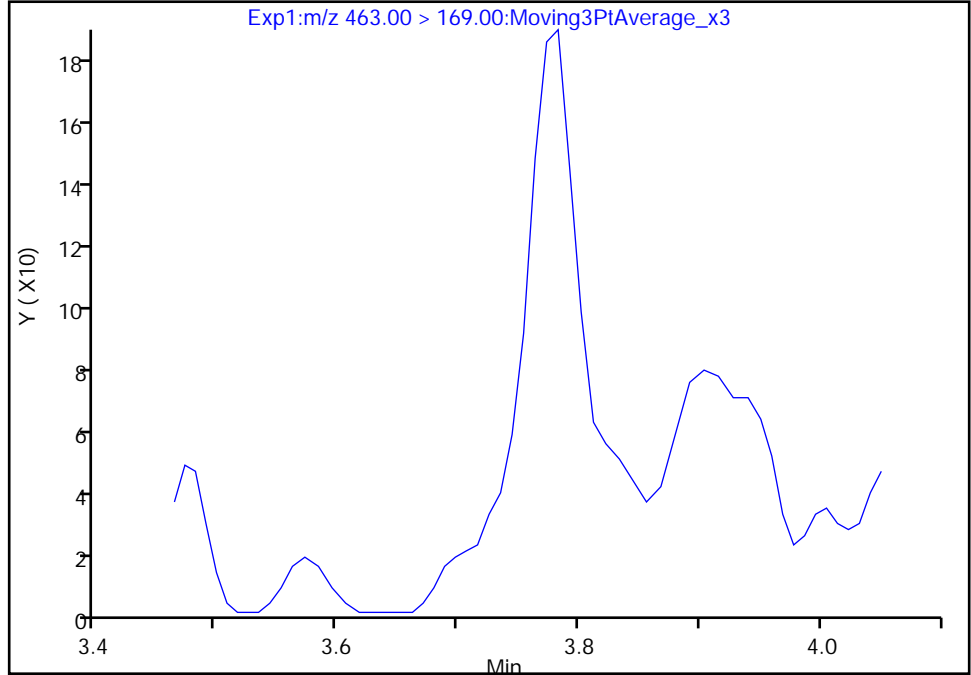
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A28.d
Injection Date: 08-Dec-2022 18:29:25 Instrument ID: LC812
Lims ID: 460-270515-A-5-A Lab Sample ID: 200-270515-5
Client ID: BCS-09-15_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 28
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

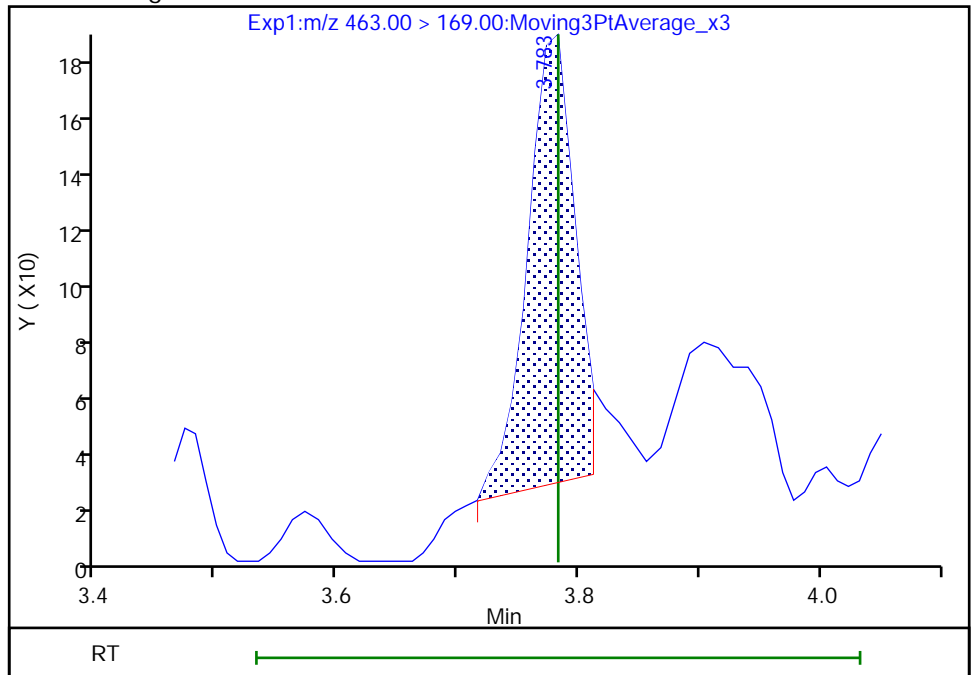
Not Detected
Expected RT: 3.78

Processing Integration Results



Manual Integration Results

RT: 3.78
Area: 439
Amount: 0.002619
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 17:44:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

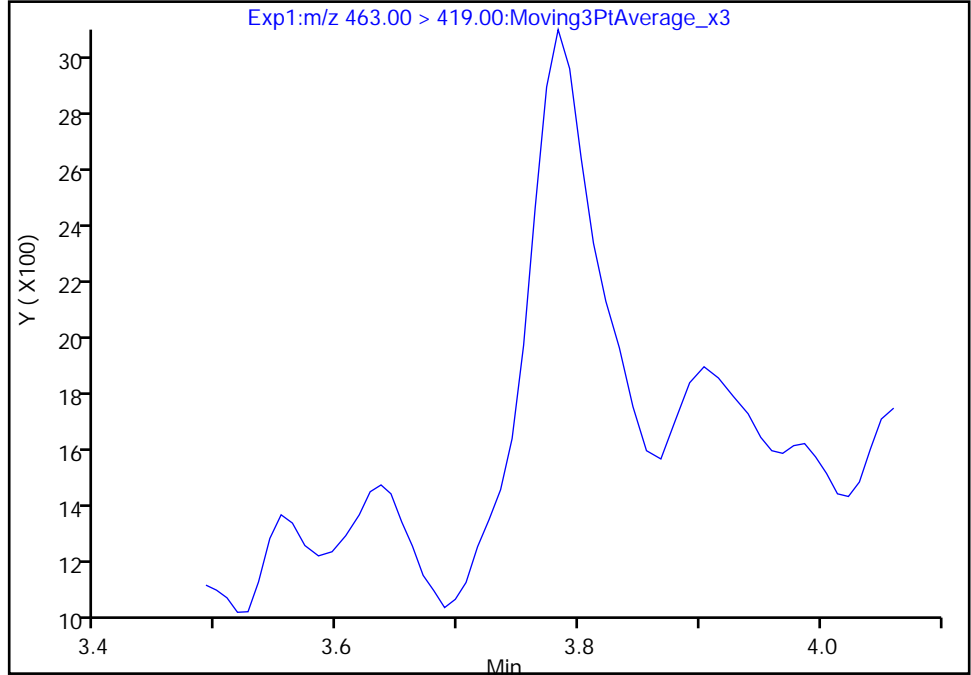
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A28.d
Injection Date: 08-Dec-2022 18:29:25 Instrument ID: LC812
Lims ID: 460-270515-A-5-A Lab Sample ID: 200-270515-5
Client ID: BCS-09-15_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 28
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

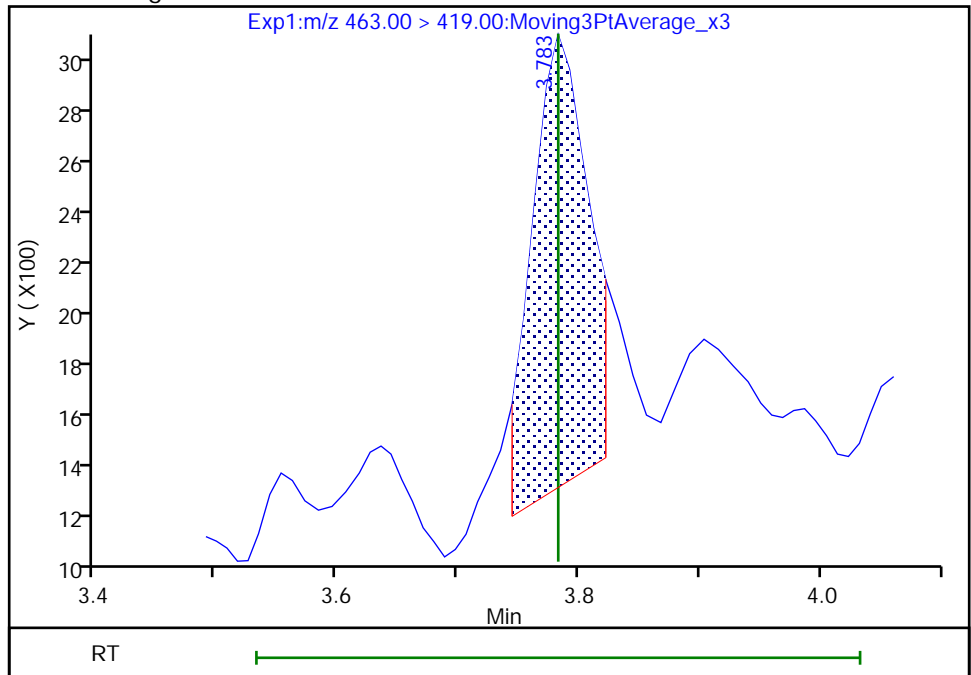
Not Detected
Expected RT: 3.78

Processing Integration Results



Manual Integration Results

RT: 3.78
Area: 5401
Amount: 0.002619
Amount Units: ng/ml



Reviewer: nampitkw, 09-Dec-2022 17:44:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

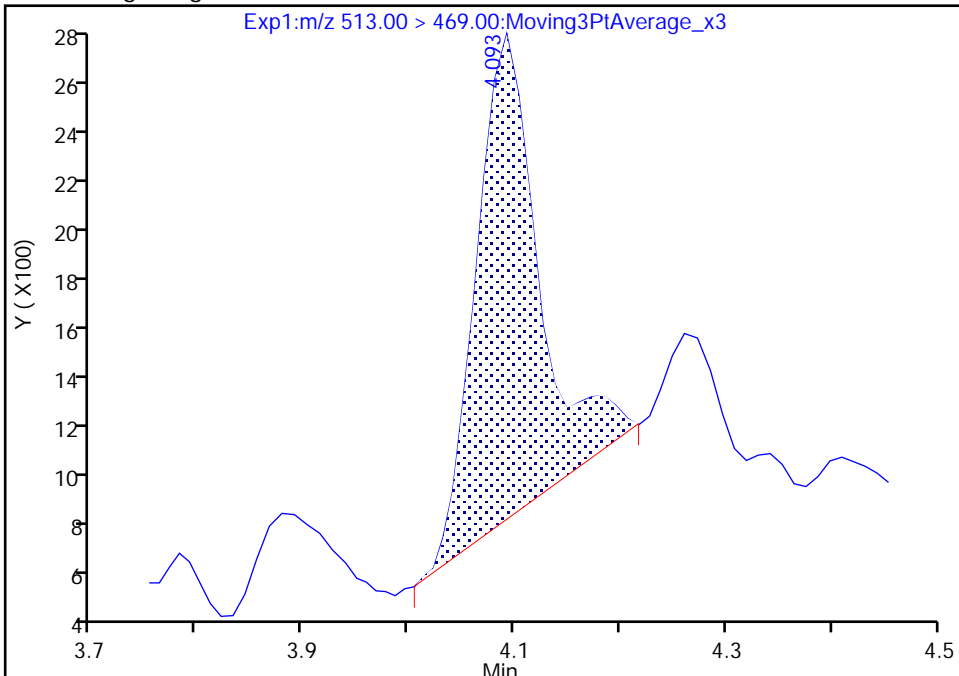
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A28.d
Injection Date: 08-Dec-2022 18:29:25 Instrument ID: LC812
Lims ID: 460-270515-A-5-A Lab Sample ID: 200-270515-5
Client ID: BCS-09-15_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 28
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

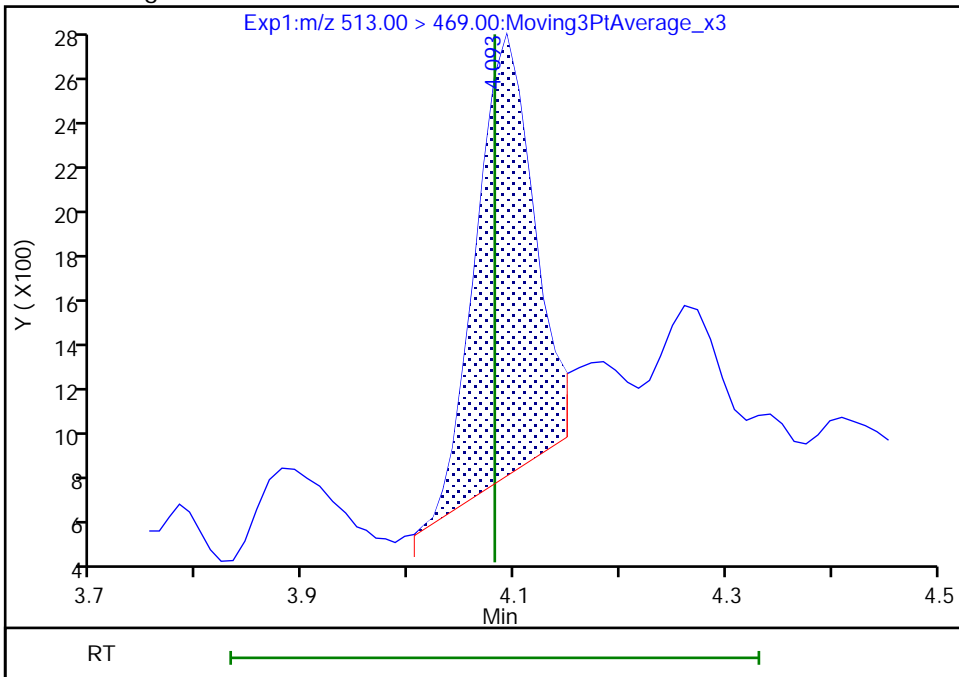
RT: 4.09
Area: 7881
Amount: 0.003626
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 7202
Amount: 0.003313
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:44:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

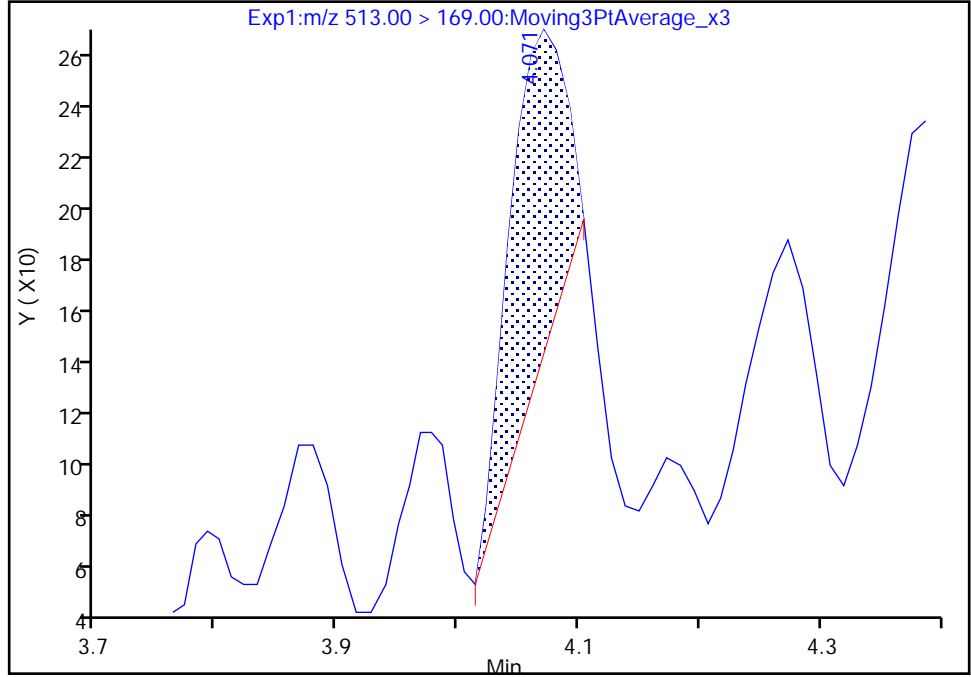
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A28.d
Injection Date: 08-Dec-2022 18:29:25 Instrument ID: LC812
Lims ID: 460-270515-A-5-A Lab Sample ID: 200-270515-5
Client ID: BCS-09-15_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 28
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

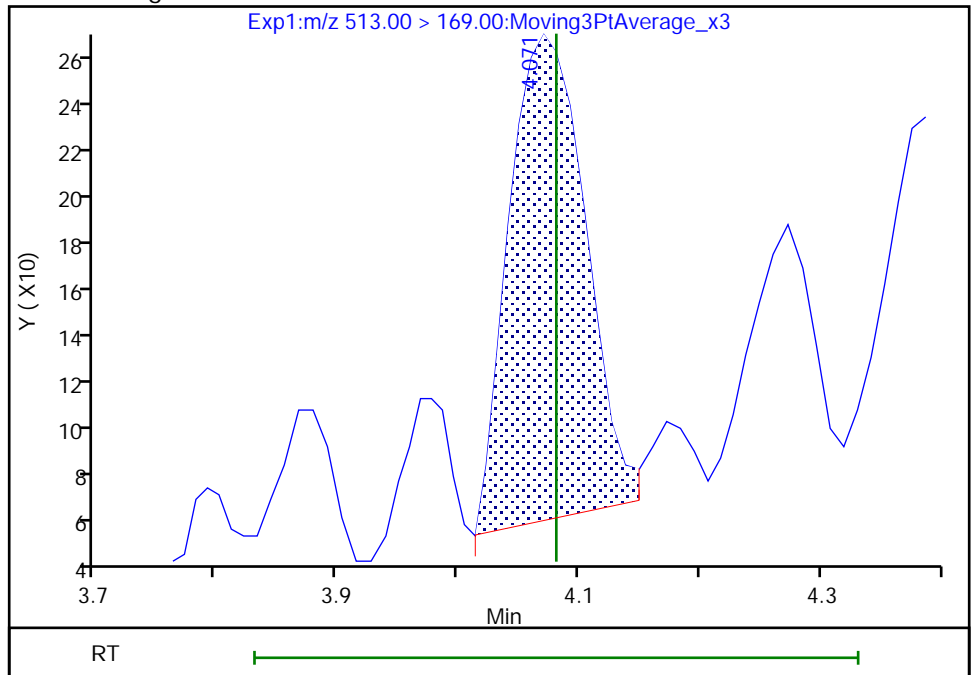
RT: 4.07
Area: 429
Amount: 0.003626
Amount Units: ng/ml

Processing Integration Results



RT: 4.07
Area: 932
Amount: 0.003313
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 17:44:49

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

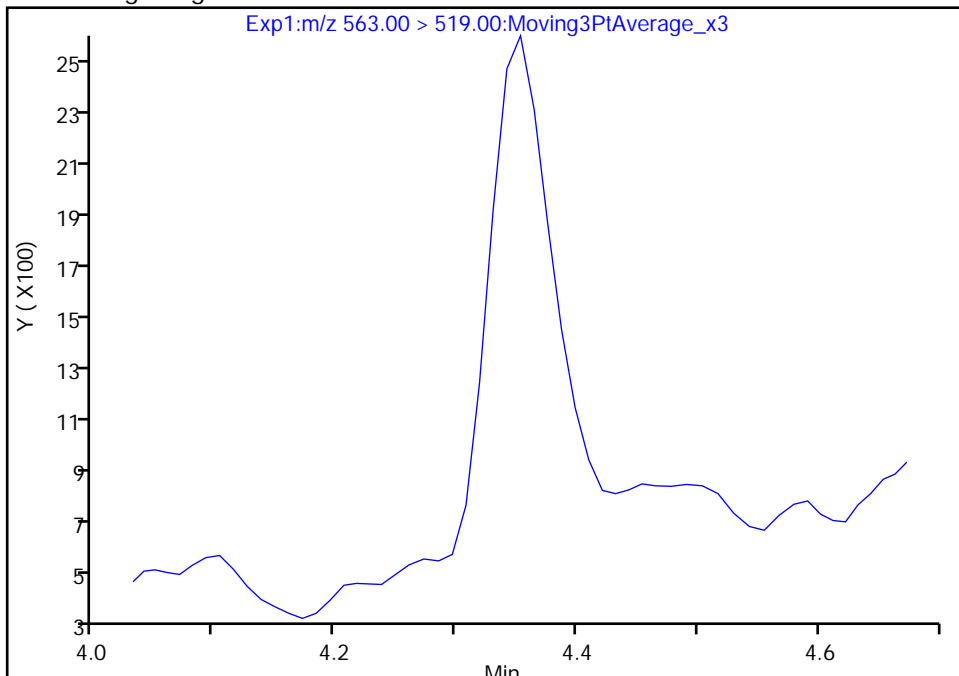
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A28.d
Injection Date: 08-Dec-2022 18:29:25 Instrument ID: LC812
Lims ID: 460-270515-A-5-A Lab Sample ID: 200-270515-5
Client ID: BCS-09-15_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 28
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

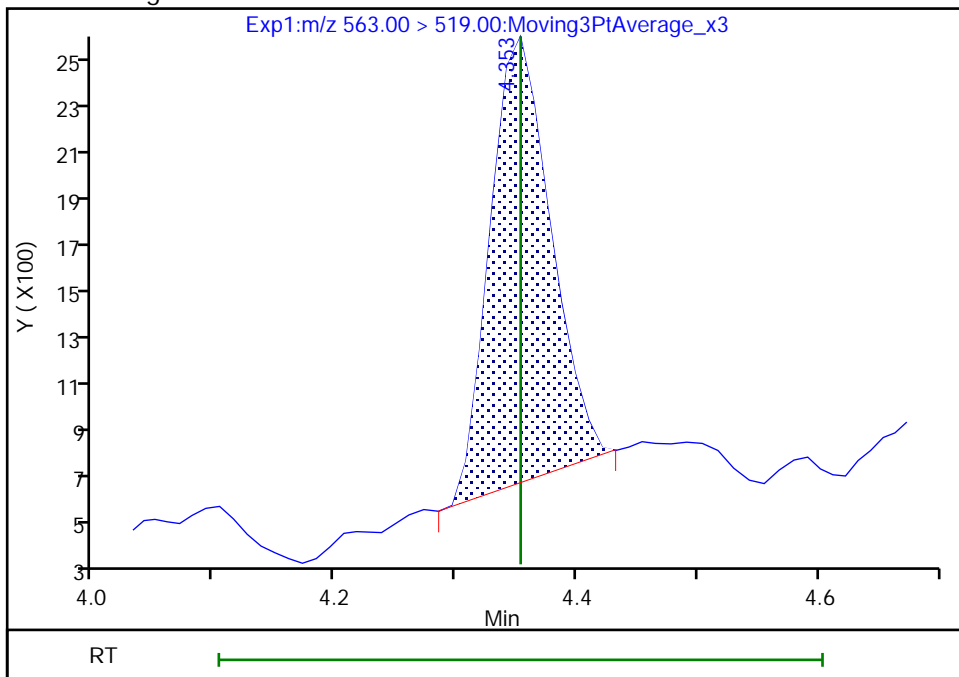
Not Detected
Expected RT: 4.35

Processing Integration Results



Manual Integration Results

RT: 4.35
Area: 6377
Amount: 0.003525
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 17:45:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

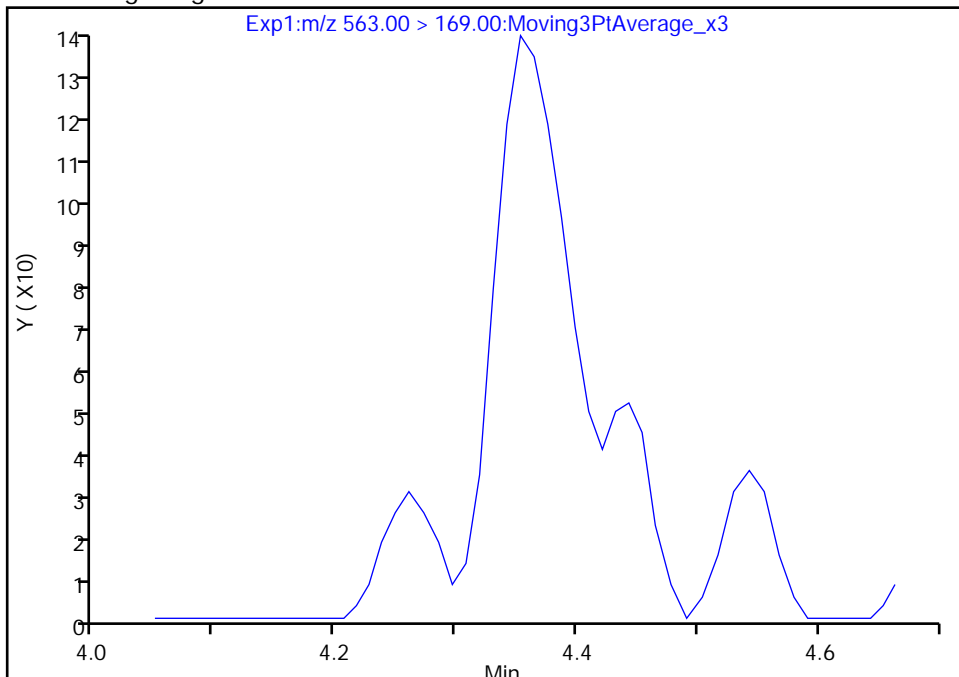
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A28.d
Injection Date: 08-Dec-2022 18:29:25 Instrument ID: LC812
Lims ID: 460-270515-A-5-A Lab Sample ID: 200-270515-5
Client ID: BCS-09-15_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 28
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

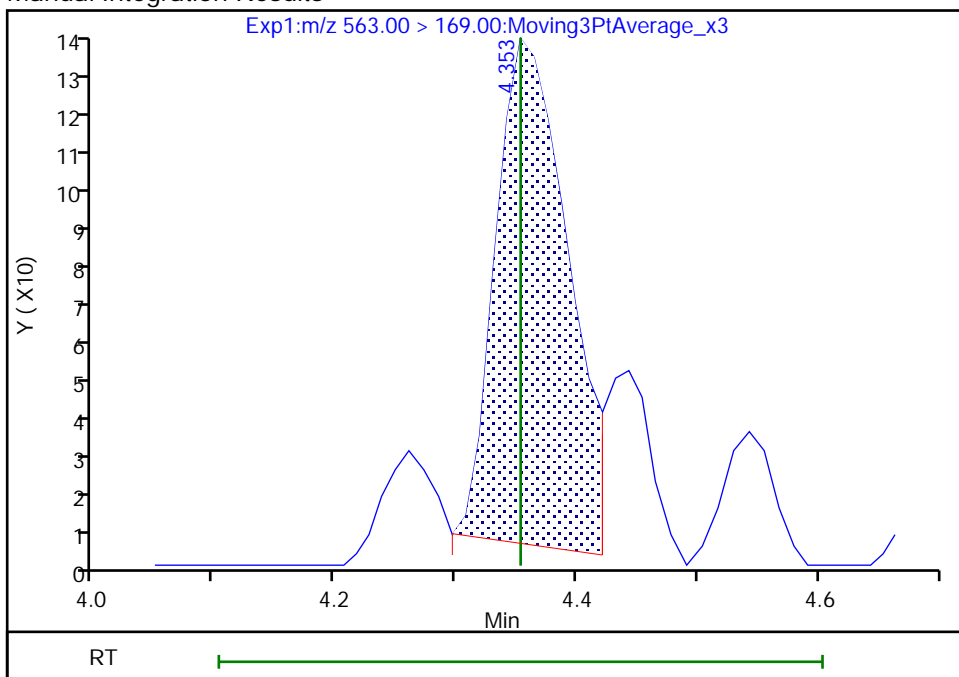
Not Detected
Expected RT: 4.35

Processing Integration Results



Manual Integration Results

RT: 4.35
Area: 546
Amount: 0.003525
Amount Units: ng/ml



Eurofins Burlington

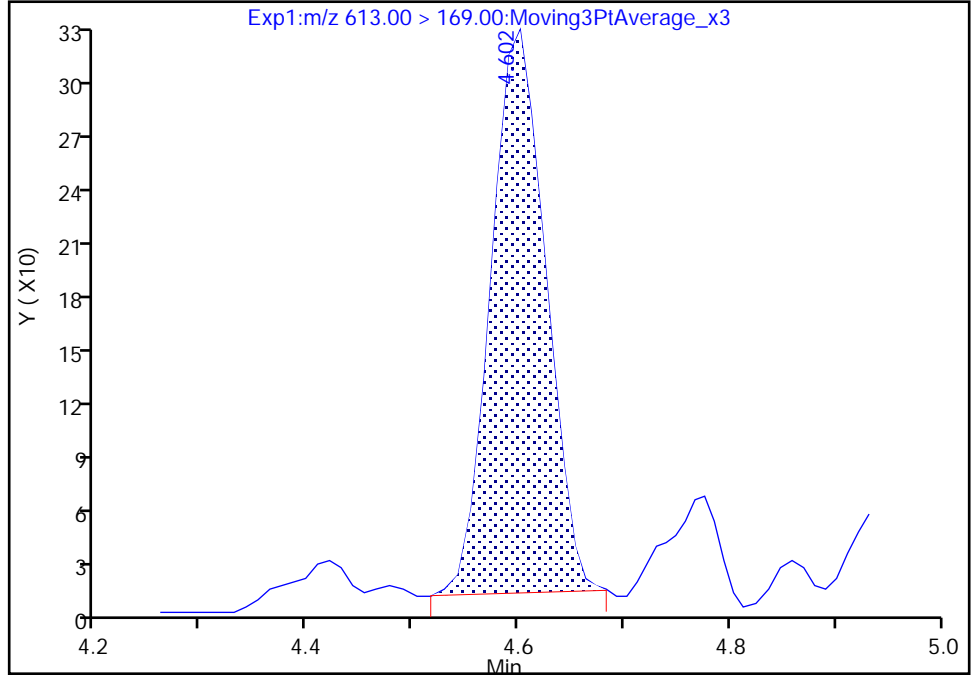
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A28.d
Injection Date: 08-Dec-2022 18:29:25 Instrument ID: LC812
Lims ID: 460-270515-A-5-A Lab Sample ID: 200-270515-5
Client ID: BCS-09-15_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 28
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

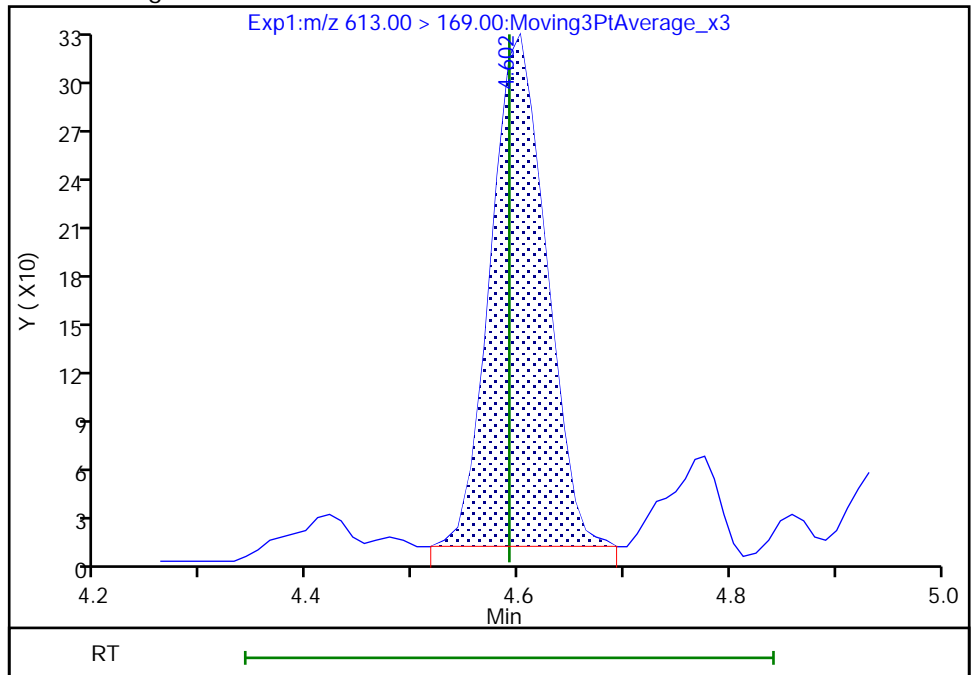
RT: 4.60
Area: 1135
Amount: 0.004509
Amount Units: ng/ml

Processing Integration Results



RT: 4.60
Area: 1156
Amount: 0.004882
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:45:58
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

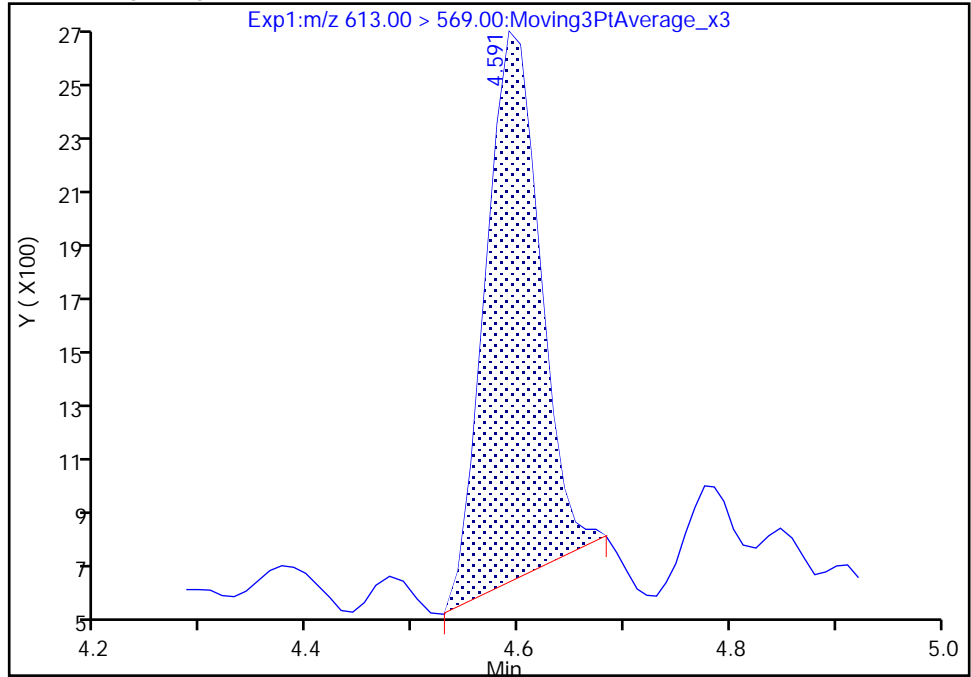
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A28.d
Injection Date: 08-Dec-2022 18:29:25 Instrument ID: LC812
Lims ID: 460-270515-A-5-A Lab Sample ID: 200-270515-5
Client ID: BCS-09-15_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 28
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

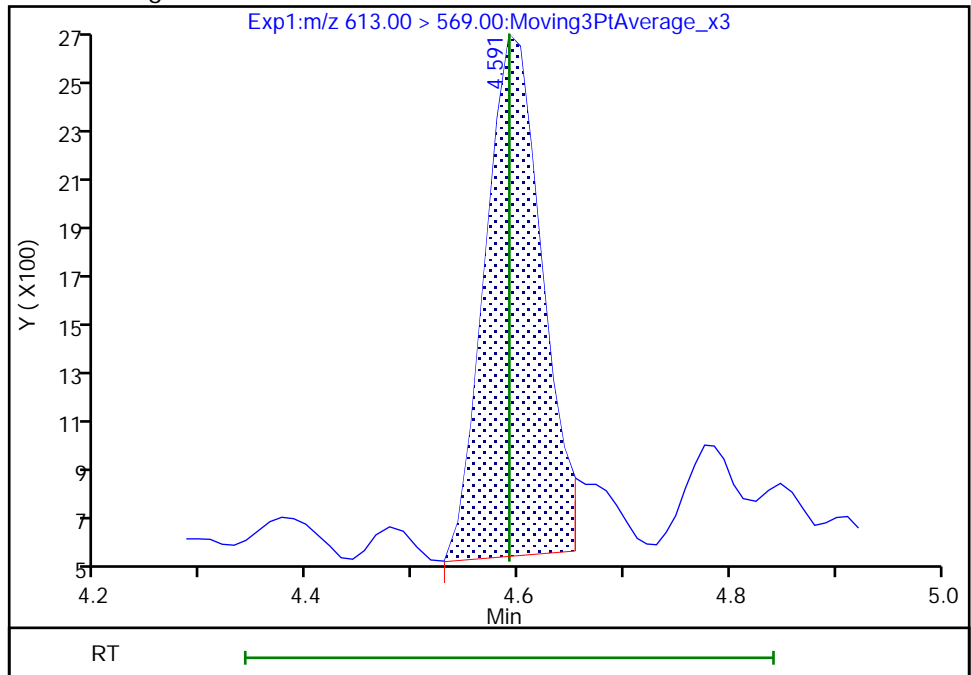
RT: 4.59
Area: 7303
Amount: 0.004509
Amount Units: ng/ml

Processing Integration Results



RT: 4.59
Area: 7908
Amount: 0.004882
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 17:46:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

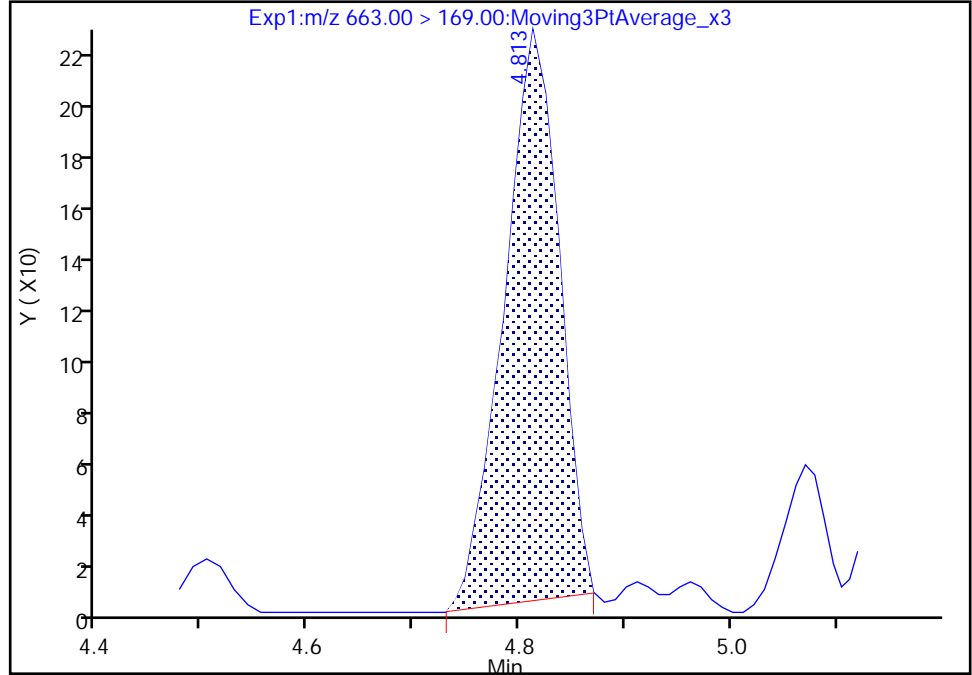
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A28.d
Injection Date: 08-Dec-2022 18:29:25 Instrument ID: LC812
Lims ID: 460-270515-A-5-A Lab Sample ID: 200-270515-5
Client ID: BCS-09-15_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 28
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

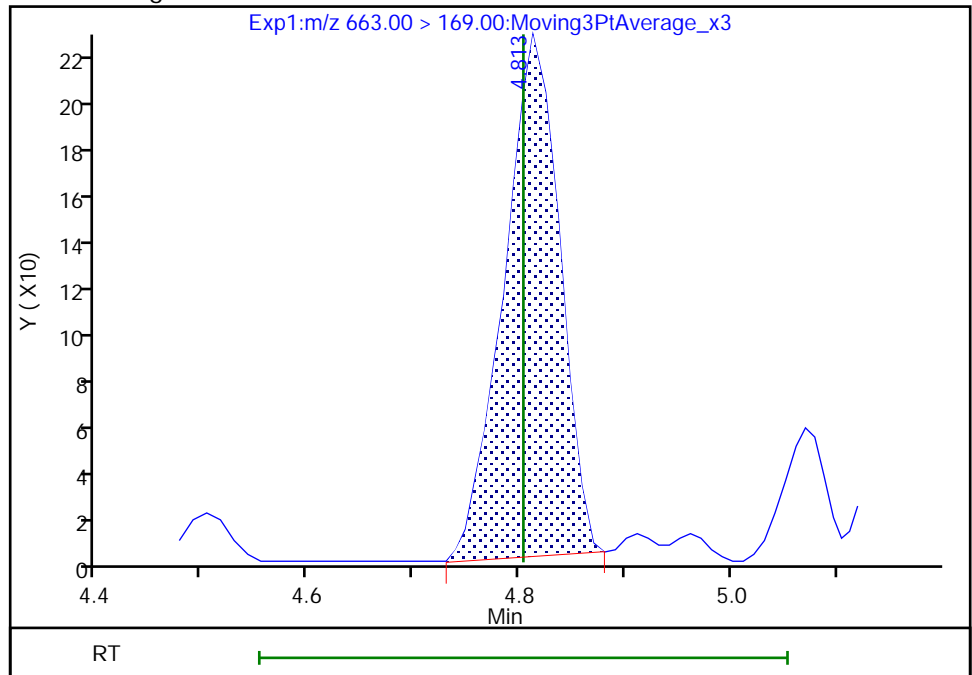
RT: 4.81
Area: 814
Amount: 0.003161
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 833
Amount: 0.002853
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:46:14
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

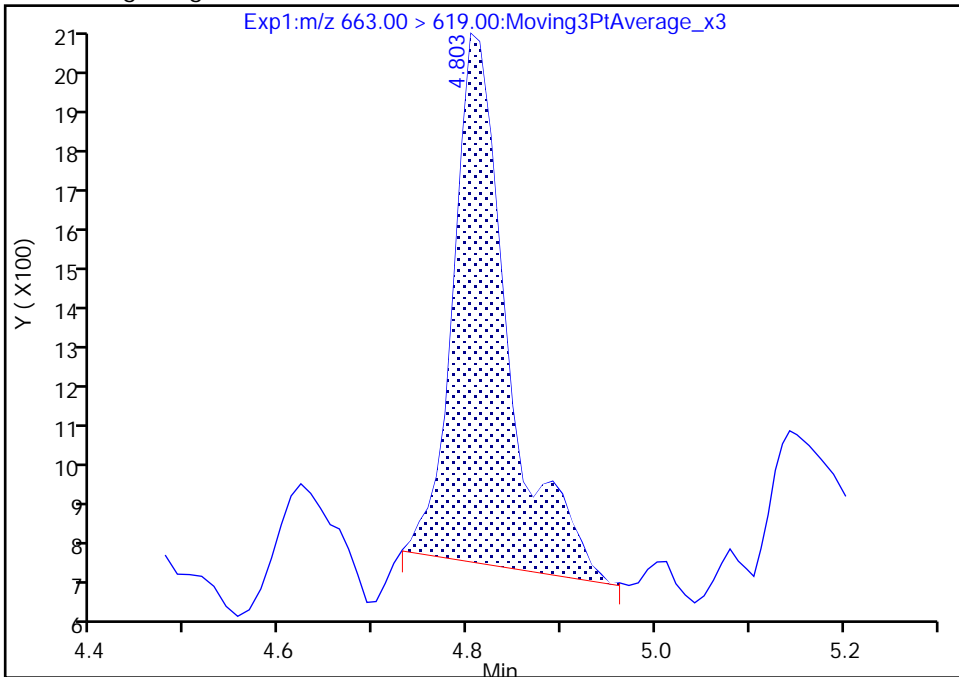
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A28.d
Injection Date: 08-Dec-2022 18:29:25 Instrument ID: LC812
Lims ID: 460-270515-A-5-A Lab Sample ID: 200-270515-5
Client ID: BCS-09-15_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 28
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

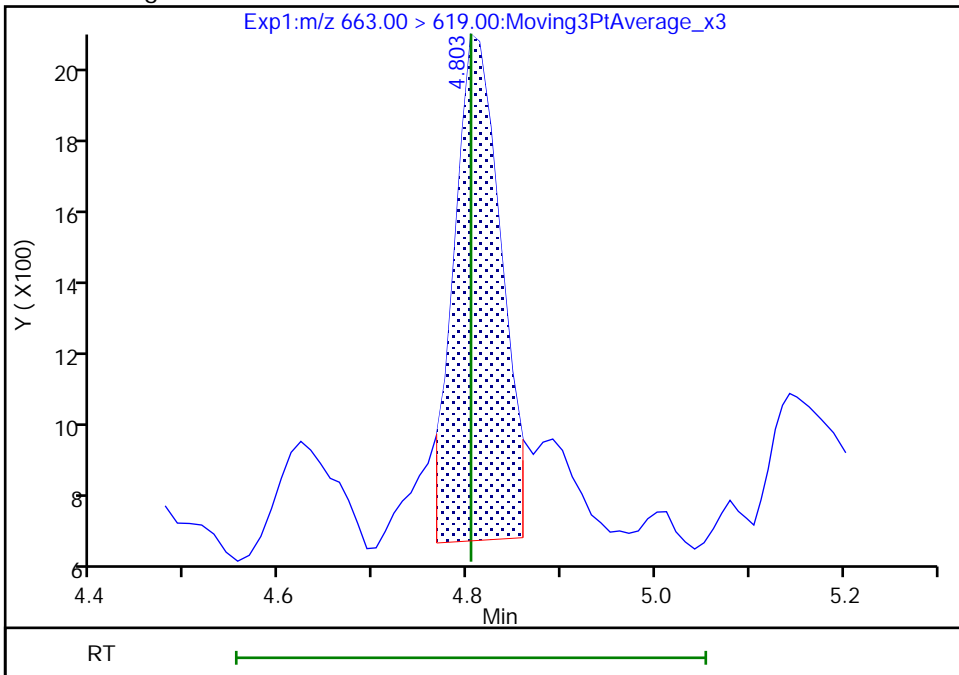
RT: 4.80
Area: 4897
Amount: 0.003161
Amount Units: ng/ml

Processing Integration Results



RT: 4.80
Area: 4419
Amount: 0.002853
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:46:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

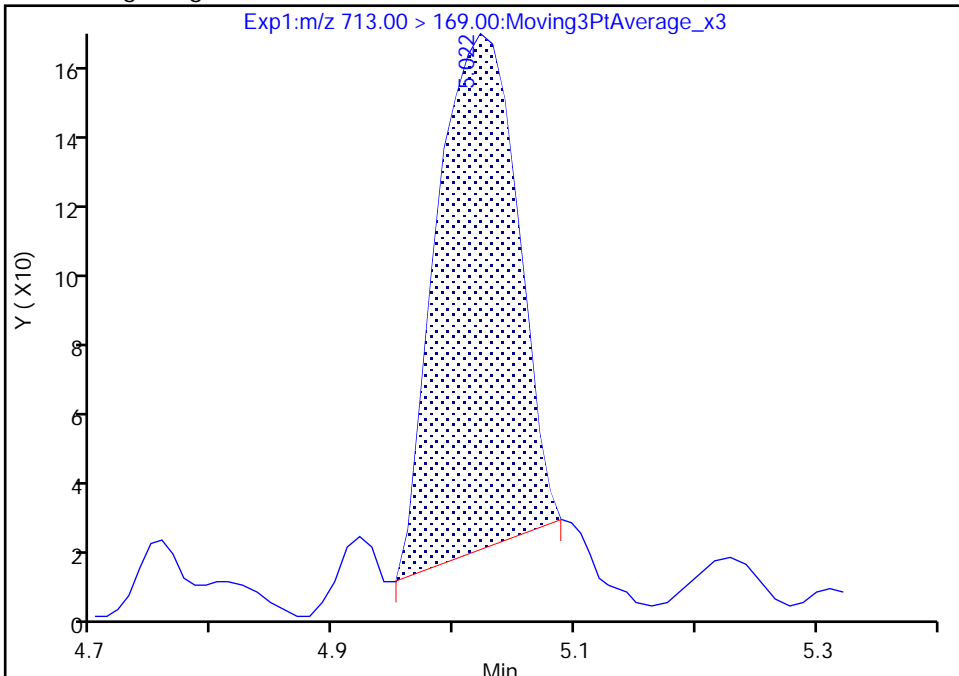
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A28.d
Injection Date: 08-Dec-2022 18:29:25 Instrument ID: LC812
Lims ID: 460-270515-A-5-A Lab Sample ID: 200-270515-5
Client ID: BCS-09-15_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 28
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

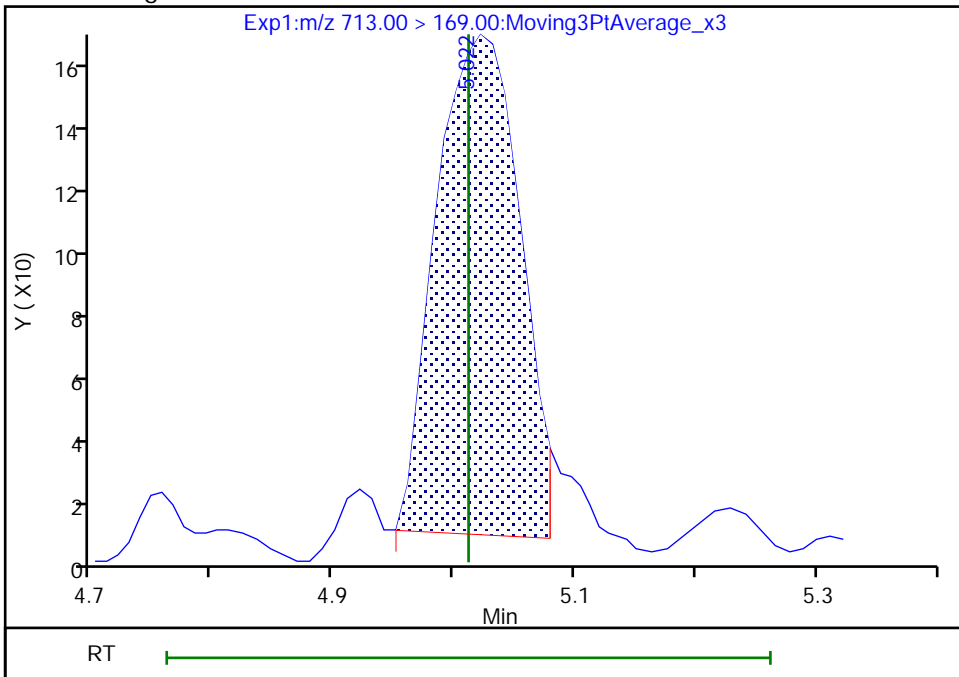
RT: 5.02
Area: 691
Amount: 0.003624
Amount Units: ng/ml

Processing Integration Results



RT: 5.02
Area: 764
Amount: 0.004007
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:46:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

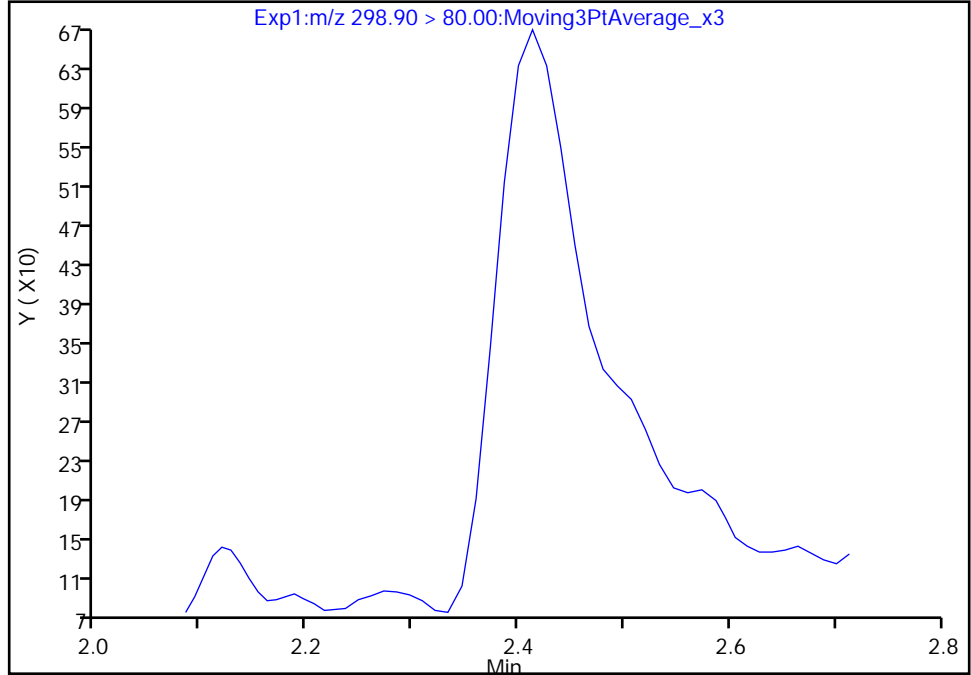
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A28.d
Injection Date: 08-Dec-2022 18:29:25 Instrument ID: LC812
Lims ID: 460-270515-A-5-A Lab Sample ID: 200-270515-5
Client ID: BCS-09-15_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 28
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

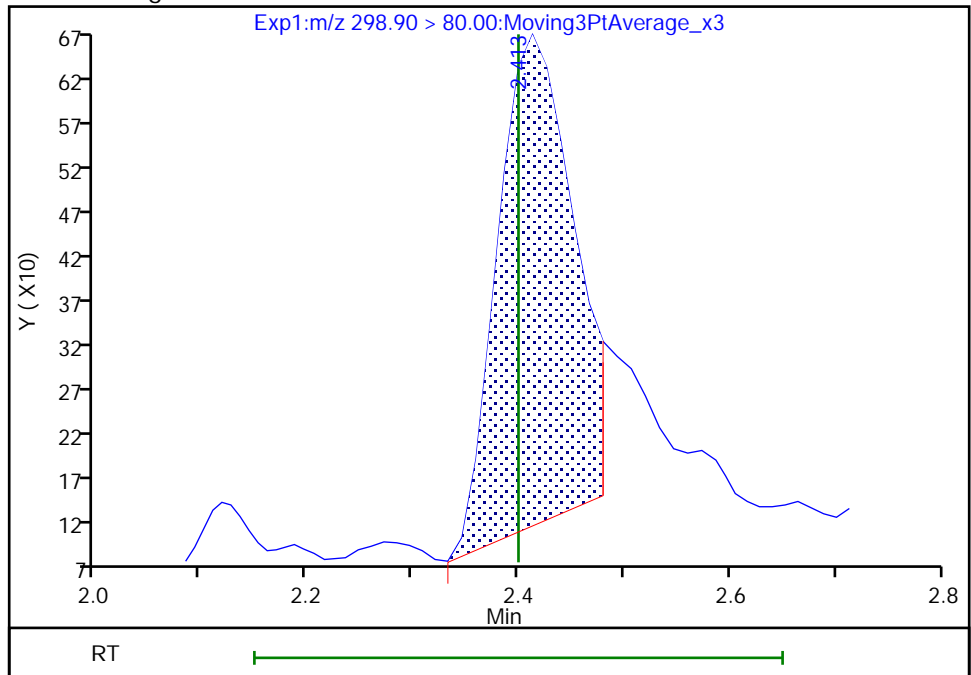
Not Detected
Expected RT: 2.40

Processing Integration Results



Manual Integration Results

RT: 2.41
Area: 2754
Amount: 0.001494
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 17:42:17
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

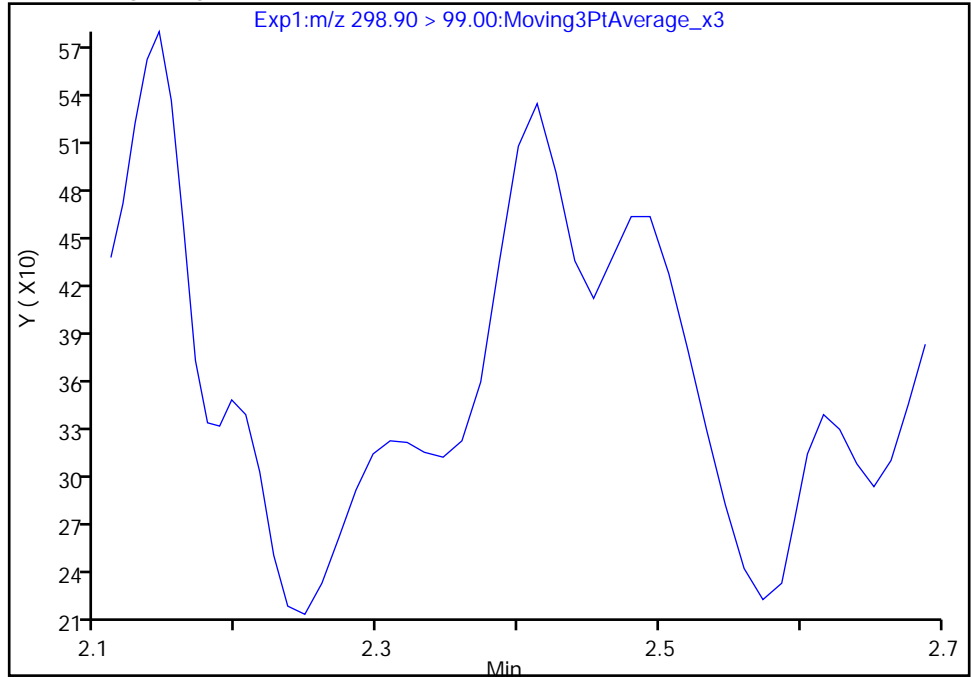
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A28.d
Injection Date: 08-Dec-2022 18:29:25 Instrument ID: LC812
Lims ID: 460-270515-A-5-A Lab Sample ID: 200-270515-5
Client ID: BCS-09-15_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 28
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

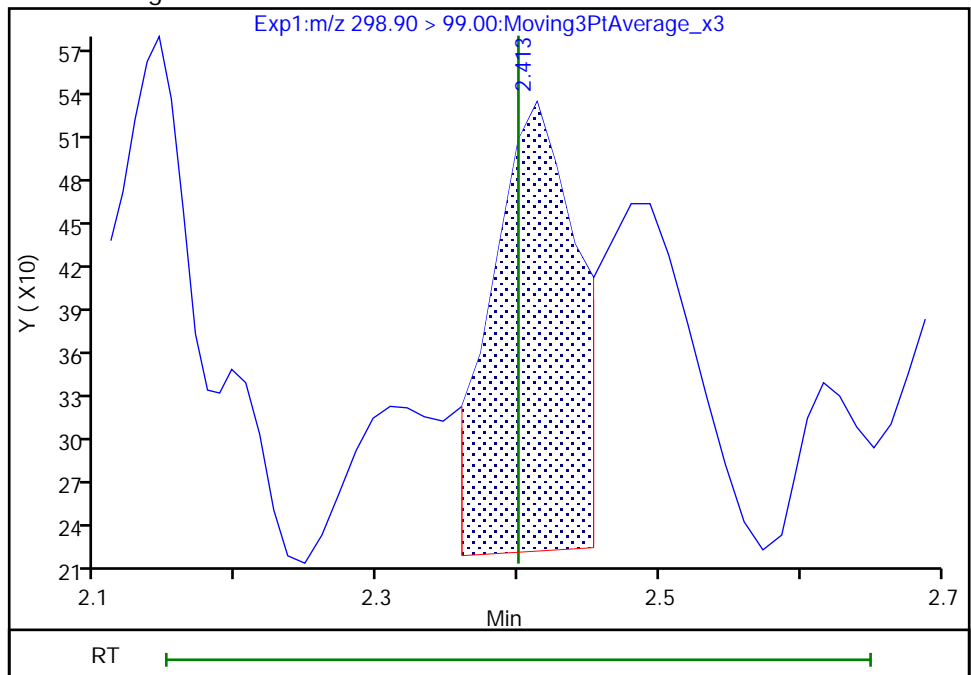
Not Detected
Expected RT: 2.40

Processing Integration Results



Manual Integration Results

RT: 2.41
Area: 1230
Amount: 0.001494
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 17:42:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

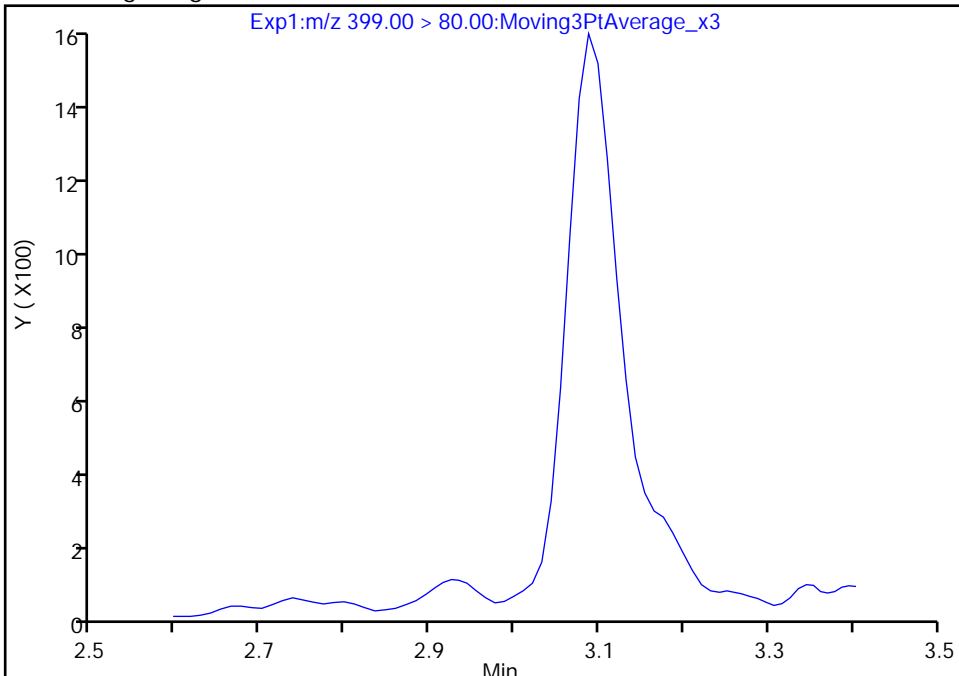
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A28.d
Injection Date: 08-Dec-2022 18:29:25 Instrument ID: LC812
Lims ID: 460-270515-A-5-A Lab Sample ID: 200-270515-5
Client ID: BCS-09-15_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 28
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

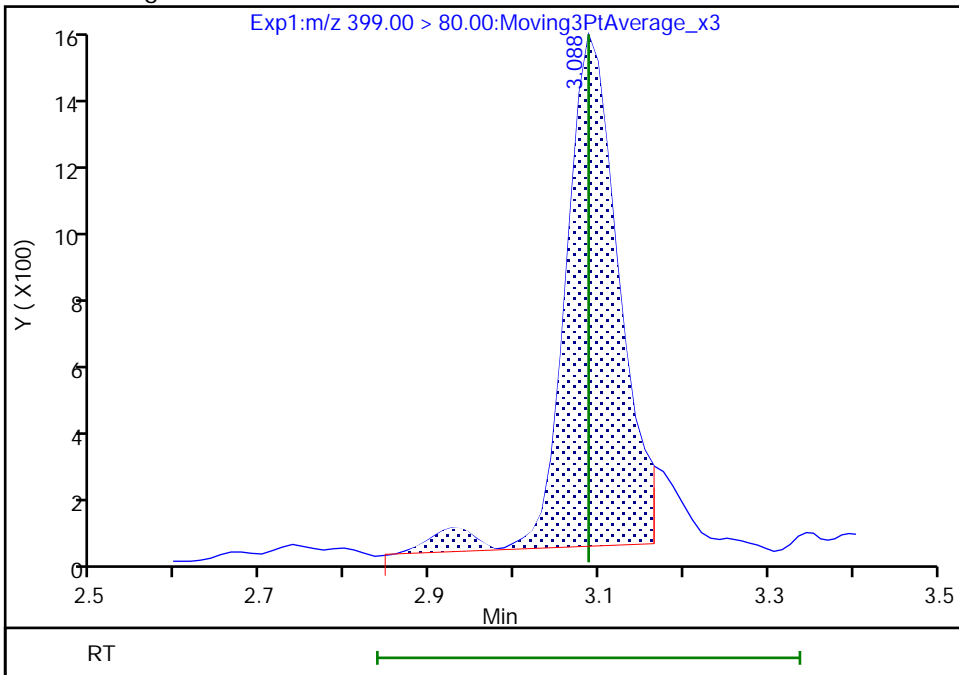
Processing Integration Results

Not Detected
Expected RT: 3.09



Manual Integration Results

RT: 3.09
Area: 6880
Amount: 0.004907
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 17:42:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

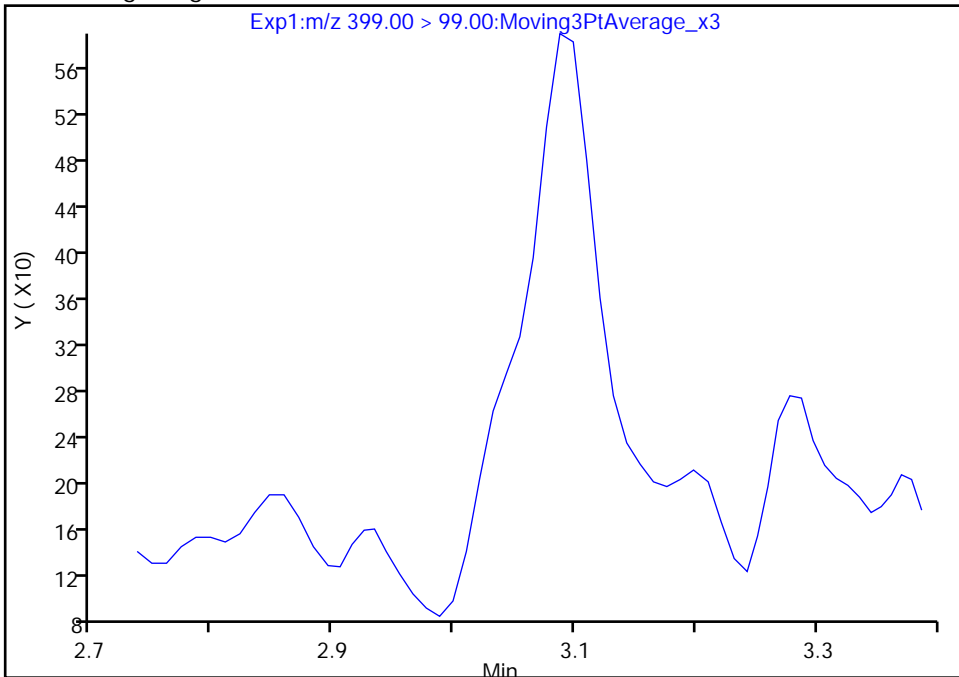
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A28.d
Injection Date: 08-Dec-2022 18:29:25 Instrument ID: LC812
Lims ID: 460-270515-A-5-A Lab Sample ID: 200-270515-5
Client ID: BCS-09-15_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 28
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

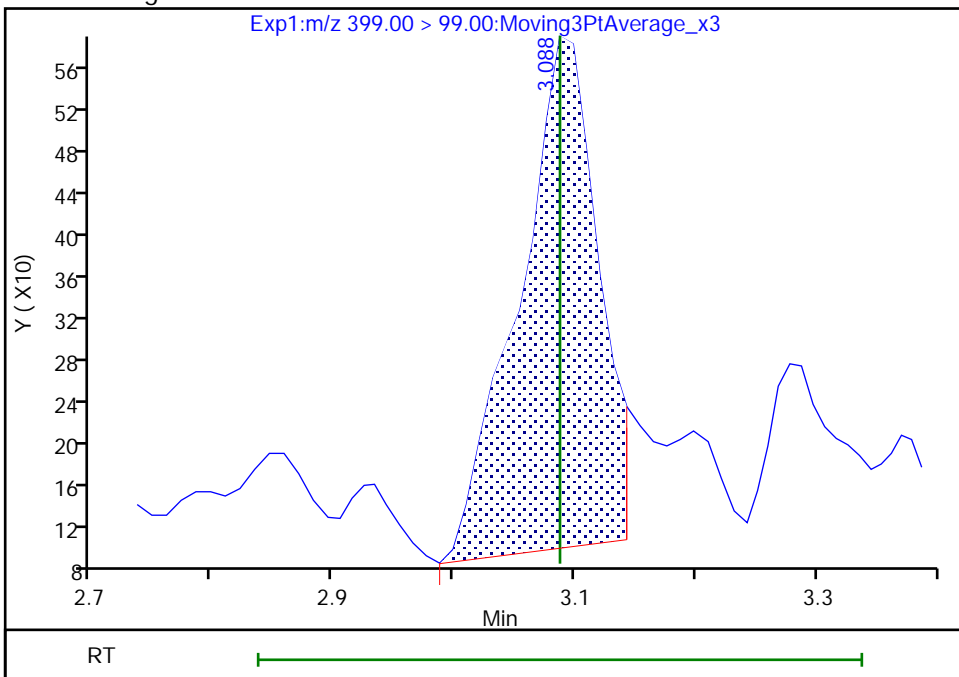
Not Detected
Expected RT: 3.09

Processing Integration Results



Manual Integration Results

RT: 3.09
Area: 2168
Amount: 0.004907
Amount Units: ng/ml



Eurofins Burlington

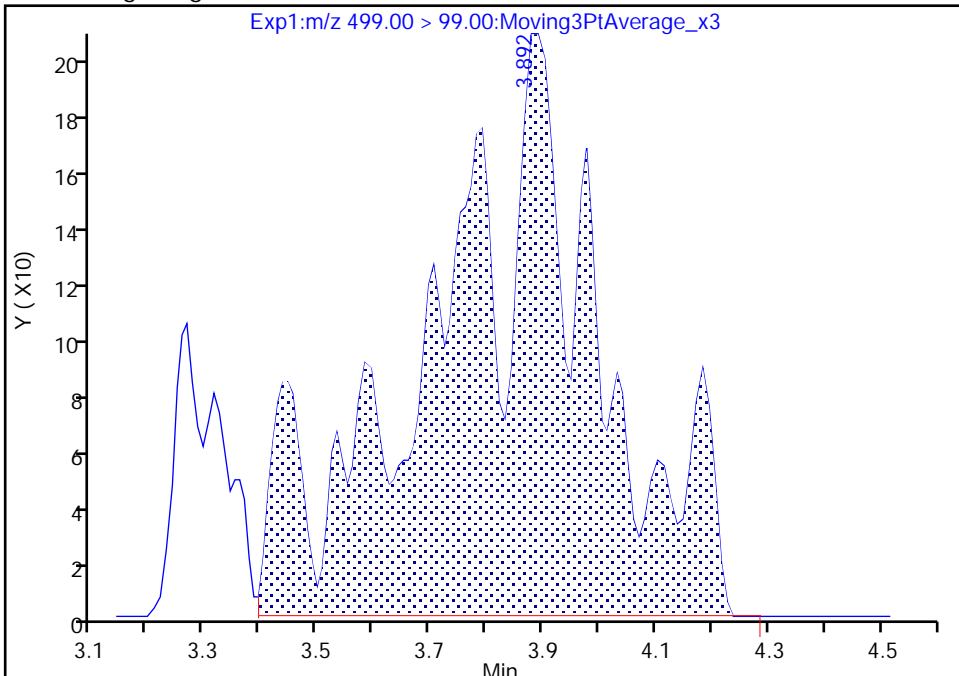
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A28.d
Injection Date: 08-Dec-2022 18:29:25 Instrument ID: LC812
Lims ID: 460-270515-A-5-A Lab Sample ID: 200-270515-5
Client ID: BCS-09-15_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 28
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

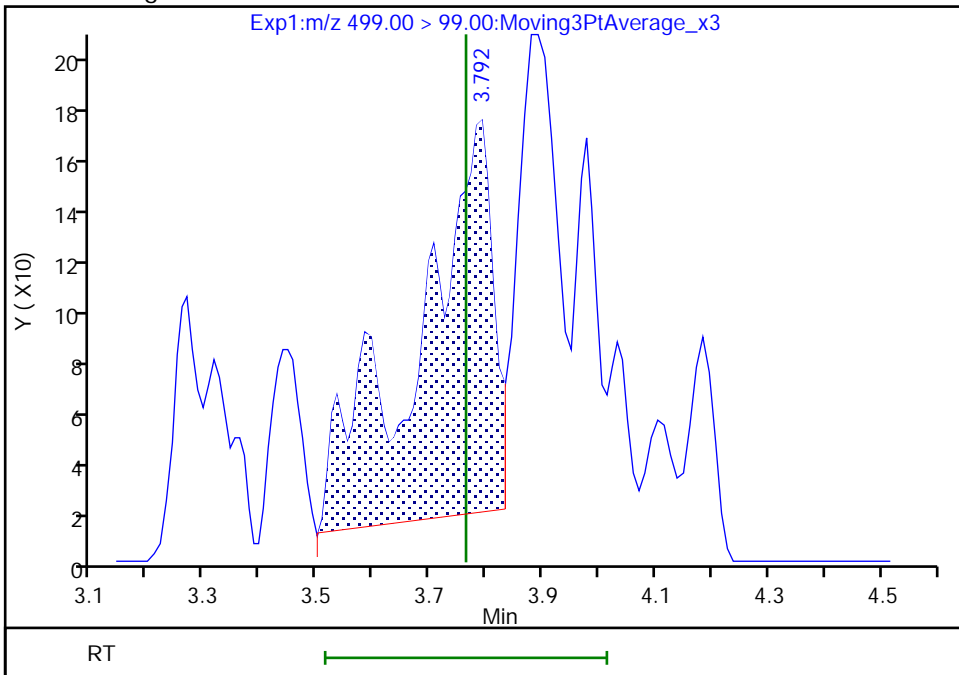
RT: 3.89
Area: 4272
Amount: 0.012087
Amount Units: ng/ml

Processing Integration Results



RT: 3.79
Area: 1448
Amount: 0.004903
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:44:01
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

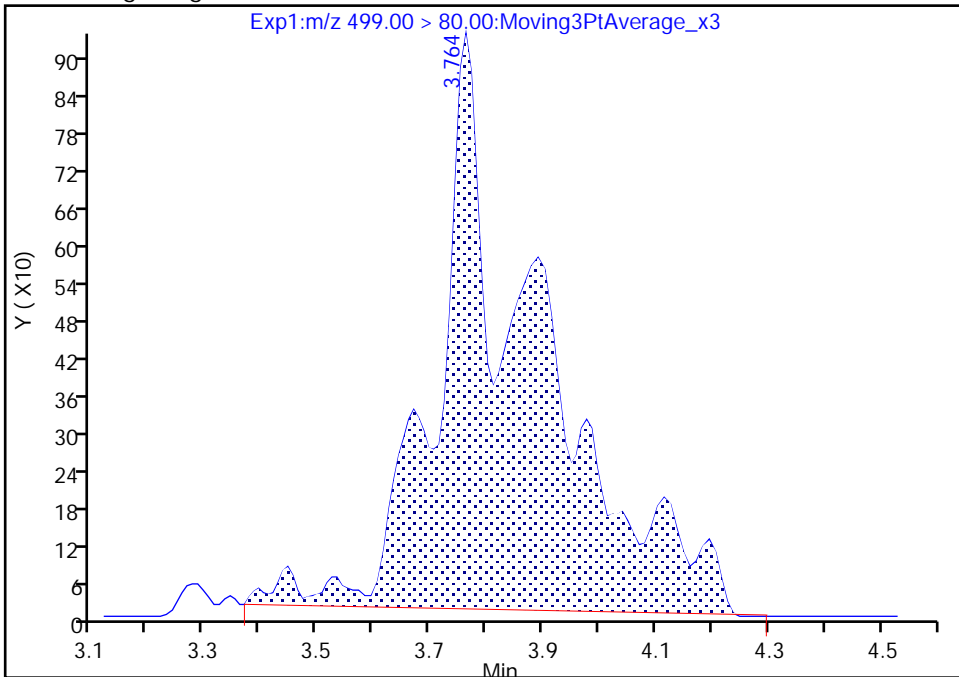
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A28.d
Injection Date: 08-Dec-2022 18:29:25 Instrument ID: LC812
Lims ID: 460-270515-A-5-A Lab Sample ID: 200-270515-5
Client ID: BCS-09-15_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 28
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

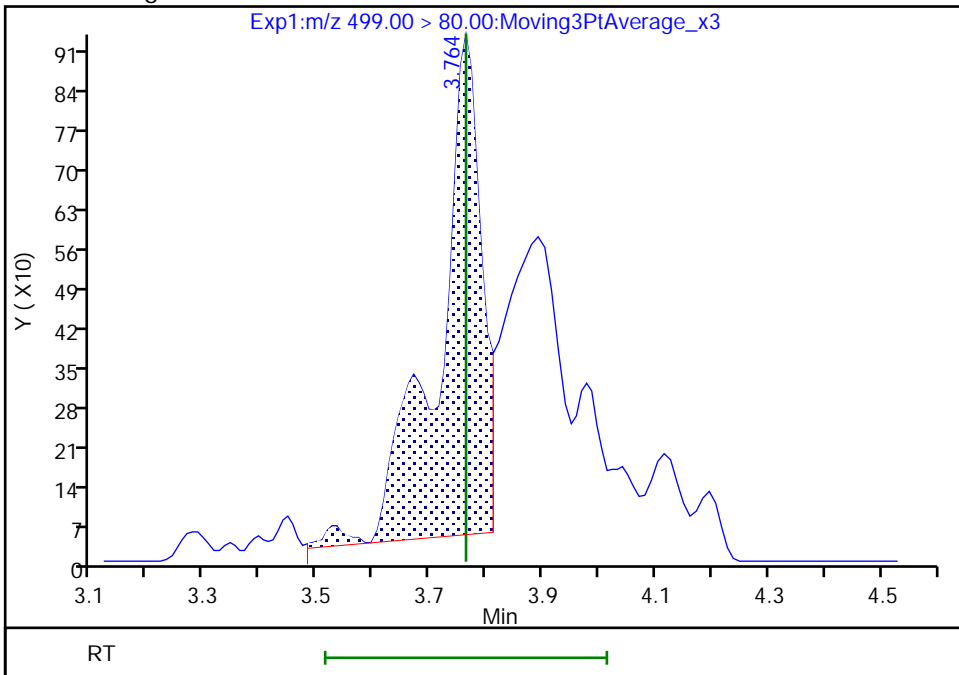
RT: 3.76
Area: 11757
Amount: 0.012087
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 4769
Amount: 0.004903
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 17:44:09

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

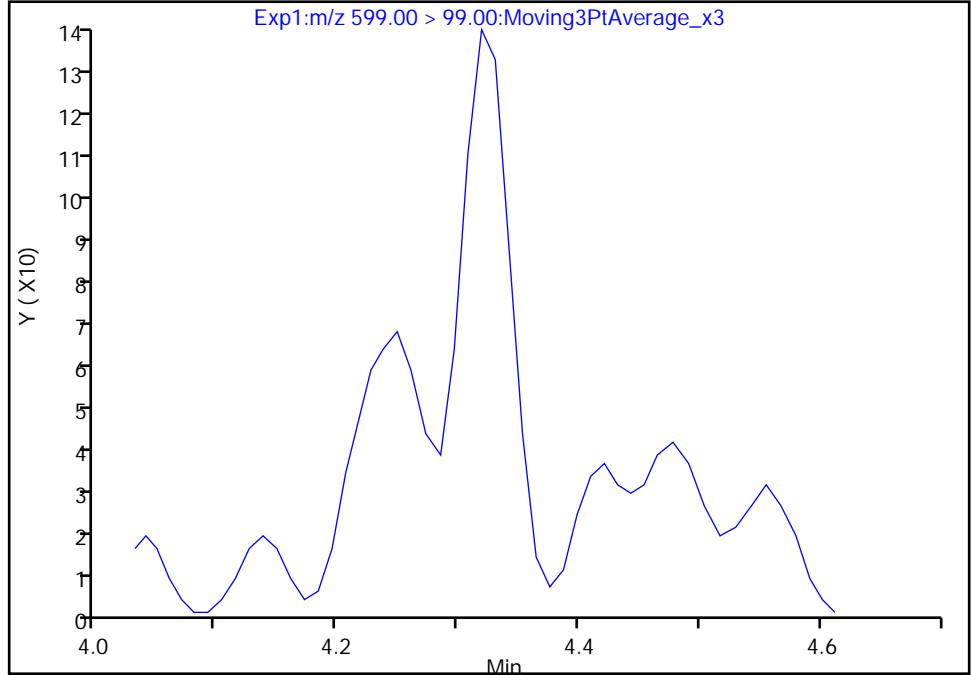
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A28.d
Injection Date: 08-Dec-2022 18:29:25 Instrument ID: LC812
Lims ID: 460-270515-A-5-A Lab Sample ID: 200-270515-5
Client ID: BCS-09-15_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 28
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

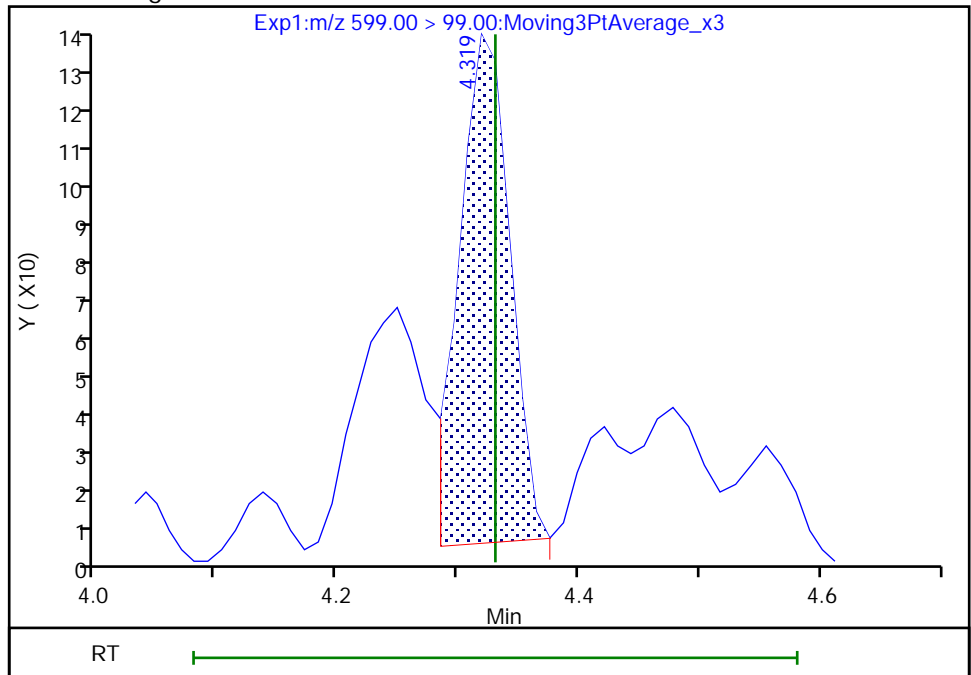
Not Detected
Expected RT: 4.33

Processing Integration Results



Manual Integration Results

RT: 4.32
Area: 379
Amount: 0.001182
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 17:45:20
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

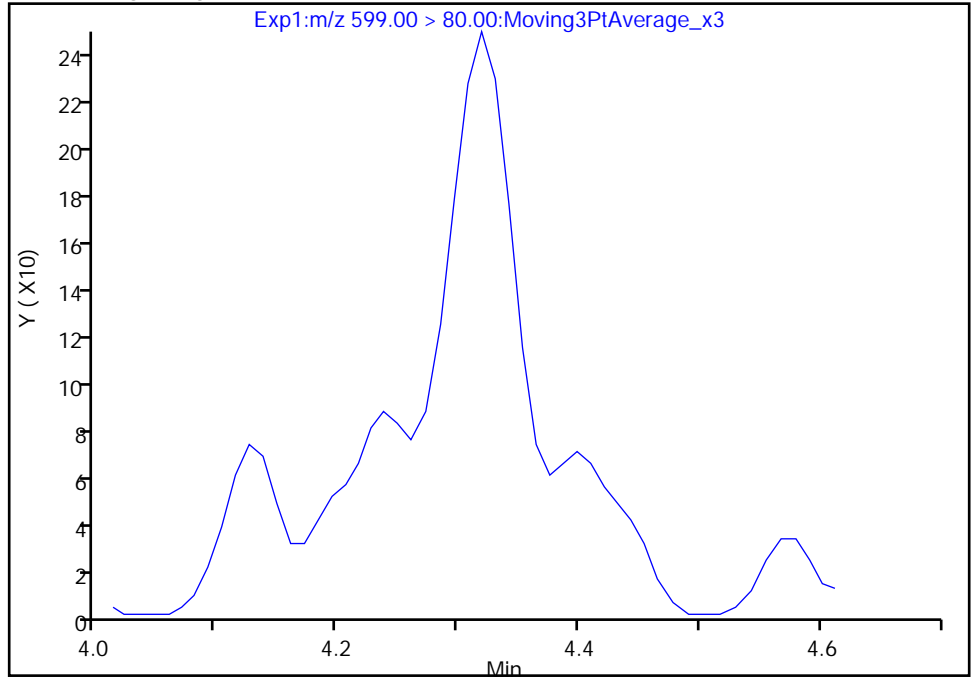
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A28.d
Injection Date: 08-Dec-2022 18:29:25 Instrument ID: LC812
Lims ID: 460-270515-A-5-A Lab Sample ID: 200-270515-5
Client ID: BCS-09-15_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 28
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

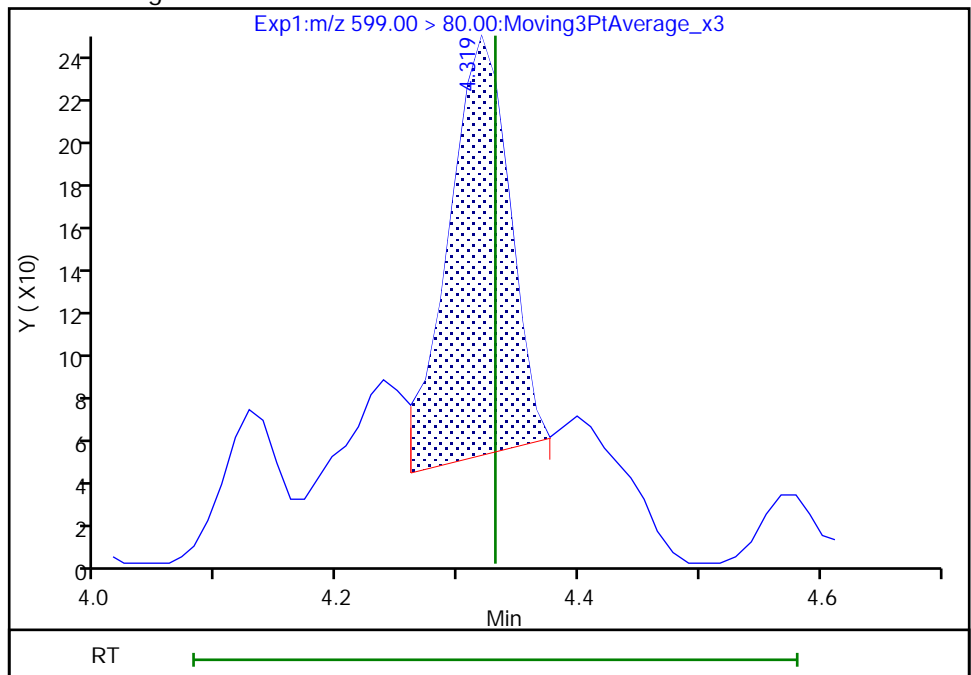
Not Detected
Expected RT: 4.33

Processing Integration Results



RT: 4.32
Area: 685
Amount: 0.001182
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:45:22

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

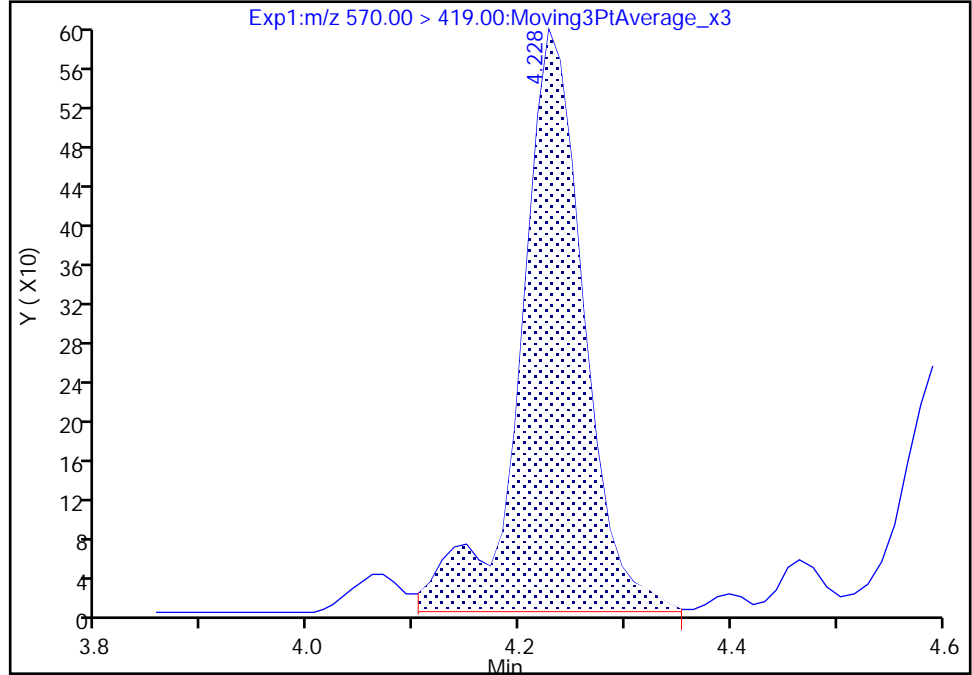
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A28.d
Injection Date: 08-Dec-2022 18:29:25 Instrument ID: LC812
Lims ID: 460-270515-A-5-A Lab Sample ID: 200-270515-5
Client ID: BCS-09-15_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 28
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

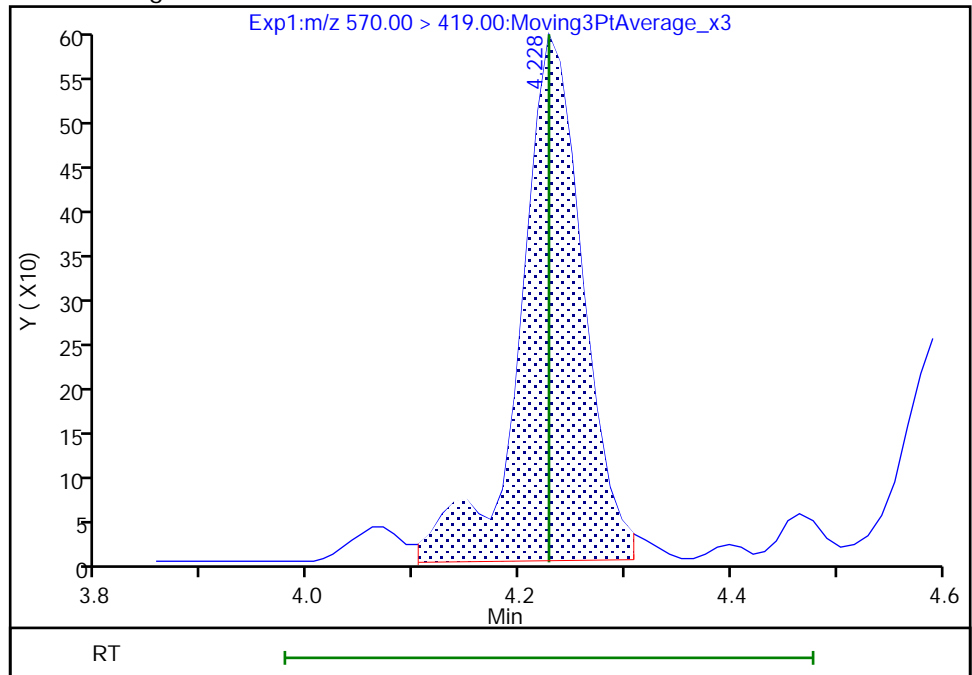
RT: 4.23
Area: 2519
Amount: -0.003936
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 2463
Amount: -0.004107
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:45:04
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

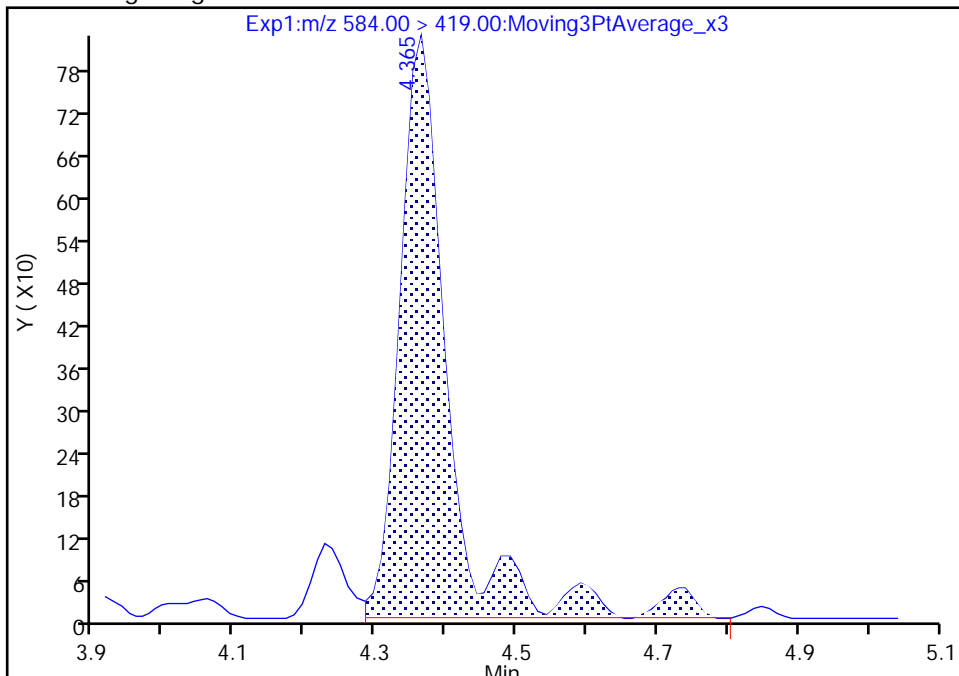
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A28.d
Injection Date: 08-Dec-2022 18:29:25 Instrument ID: LC812
Lims ID: 460-270515-A-5-A Lab Sample ID: 200-270515-5
Client ID: BCS-09-15_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 28
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

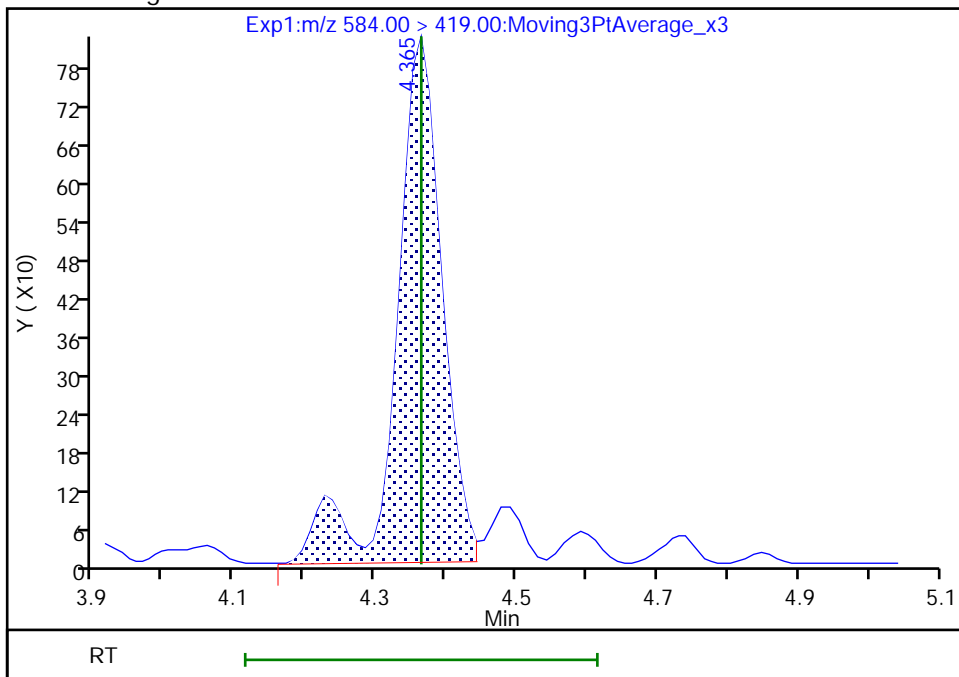
RT: 4.36
Area: 4004
Amount: 0.012175
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 3708
Amount: 0.011275
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:45:48
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

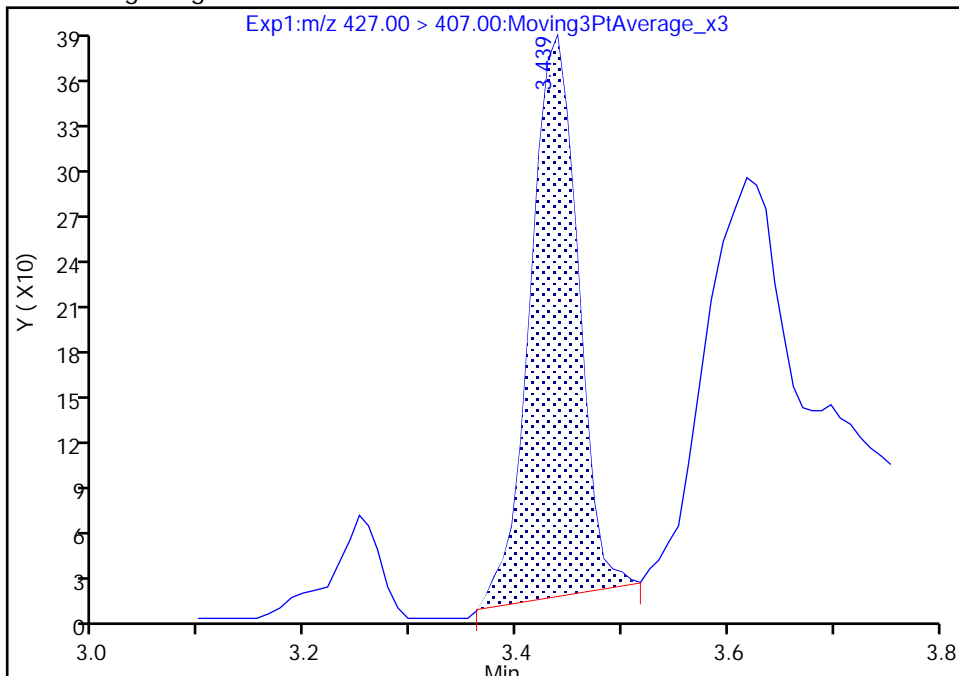
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A28.d
Injection Date: 08-Dec-2022 18:29:25 Instrument ID: LC812
Lims ID: 460-270515-A-5-A Lab Sample ID: 200-270515-5
Client ID: BCS-09-15_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 28
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

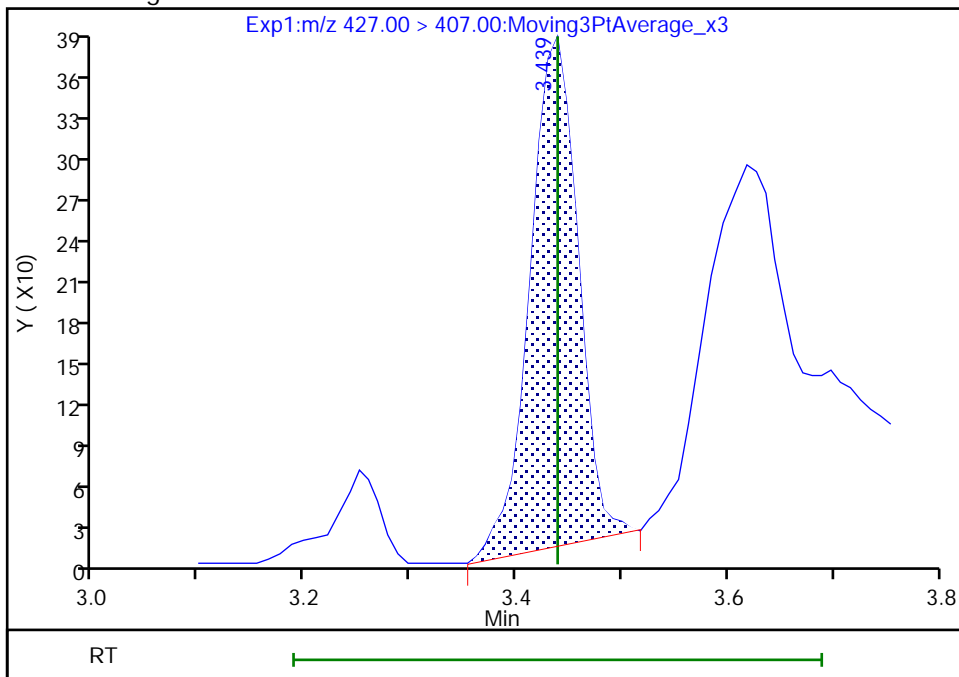
RT: 3.44
Area: 1179
Amount: -0.009515
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 1198
Amount: -0.009477
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:43:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

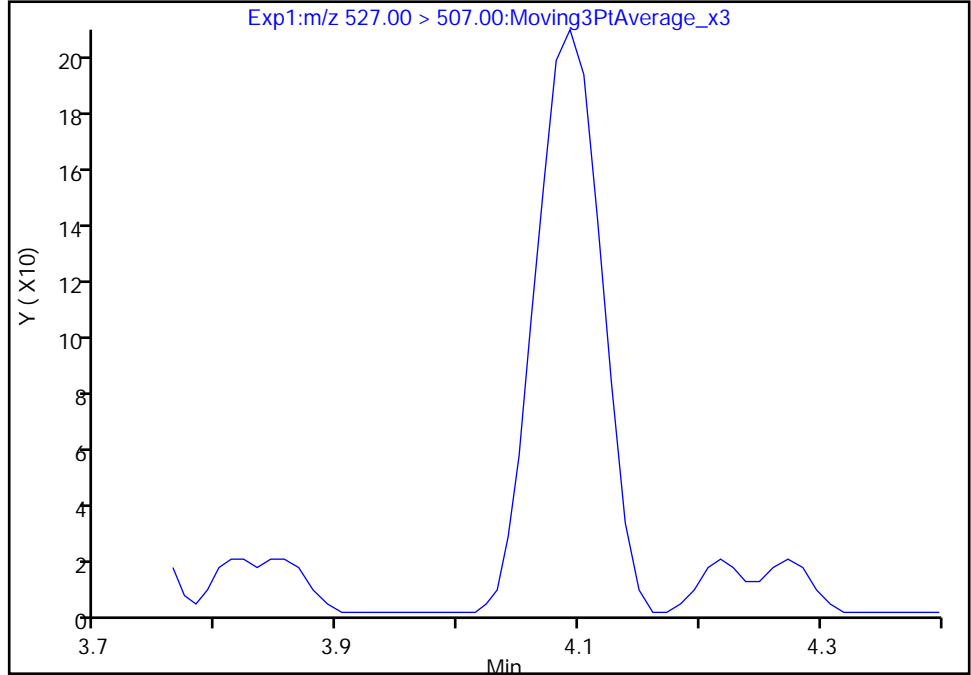
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Injection Date: 08-Dec-2022 18:29:25 Instrument ID: LC812
Lims ID: 460-270515-A-5-A Lab Sample ID: 200-270515-5
Client ID: BCS-09-15_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 28
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

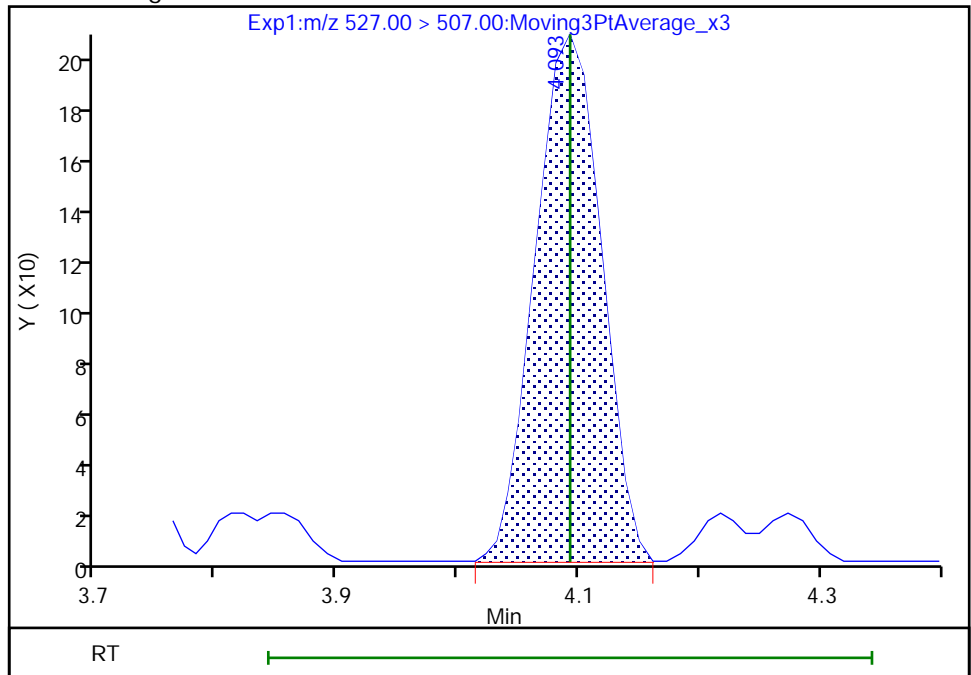
Signal: 1

Not Detected
Expected RT: 4.09

Processing Integration Results



Manual Integration Results



RT: 4.09
Area: 794
Amount: 0.002074
Amount Units: ng/ml

Reviewer: nampitakw, 09-Dec-2022 17:44:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

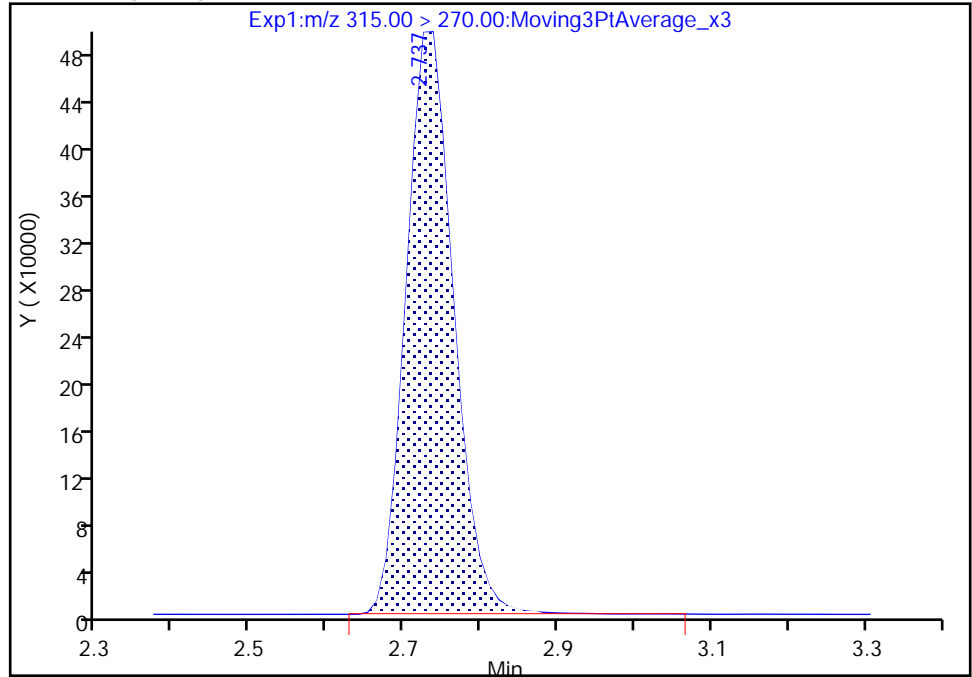
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A28.d
Injection Date: 08-Dec-2022 18:29:25 Instrument ID: LC812
Lims ID: 460-270515-A-5-A Lab Sample ID: 200-270515-5
Client ID: BCS-09-15_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 28
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 7 13C2 PFHxA, CAS: STL00993
Signal: 1

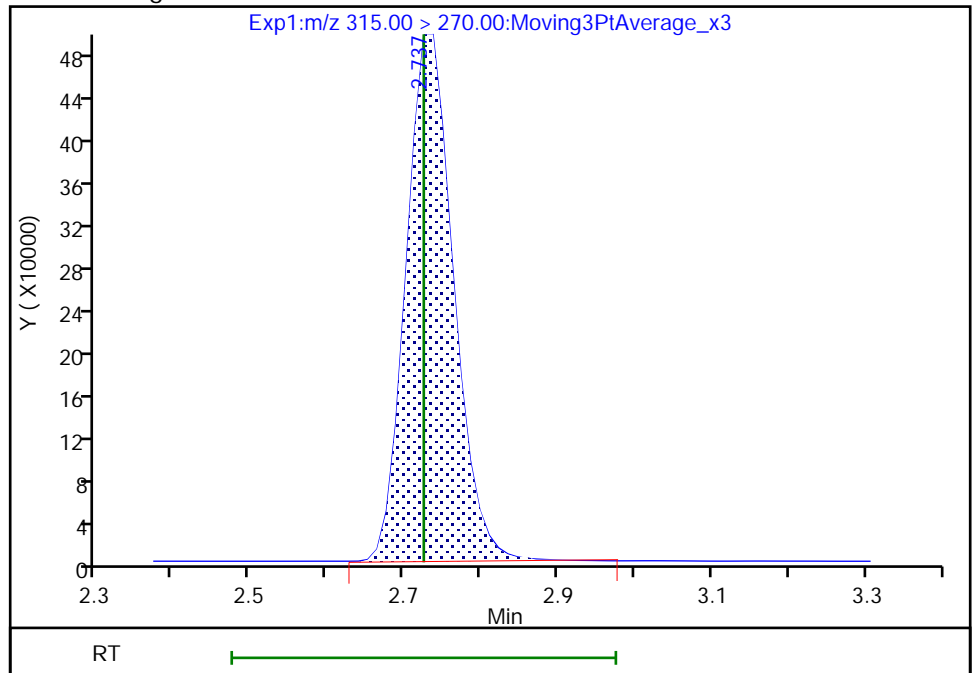
RT: 2.74
Area: 2115495
Amount: 1.115154
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 2113355
Amount: 1.114026
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:40:57
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

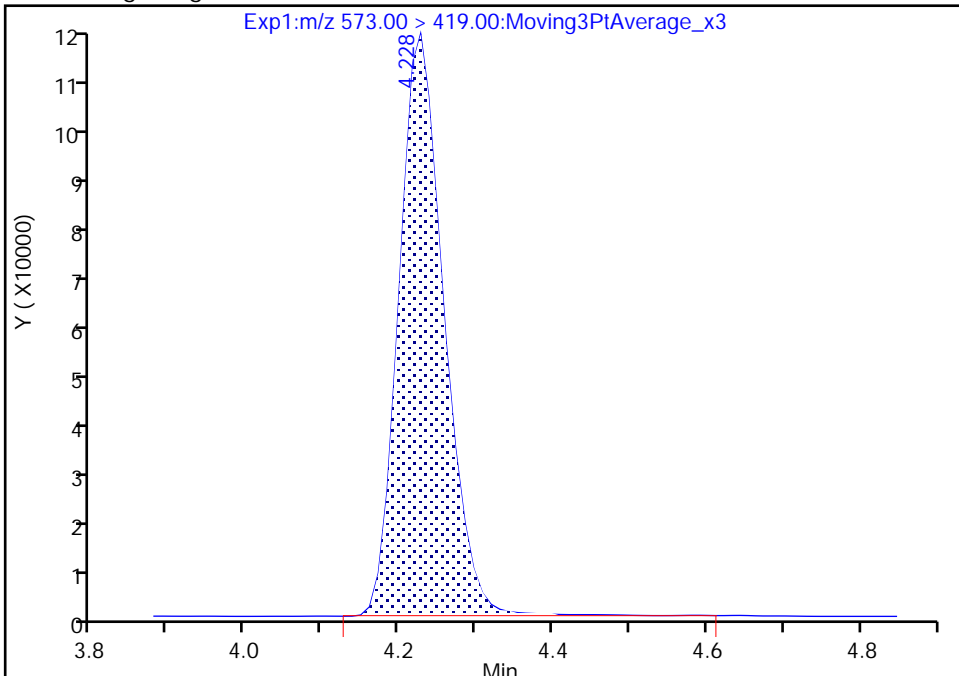
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Injection Date: 08-Dec-2022 18:29:25 Instrument ID: LC812
Lims ID: 460-270515-A-5-A Lab Sample ID: 200-270515-5
Client ID: BCS-09-15_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 28
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

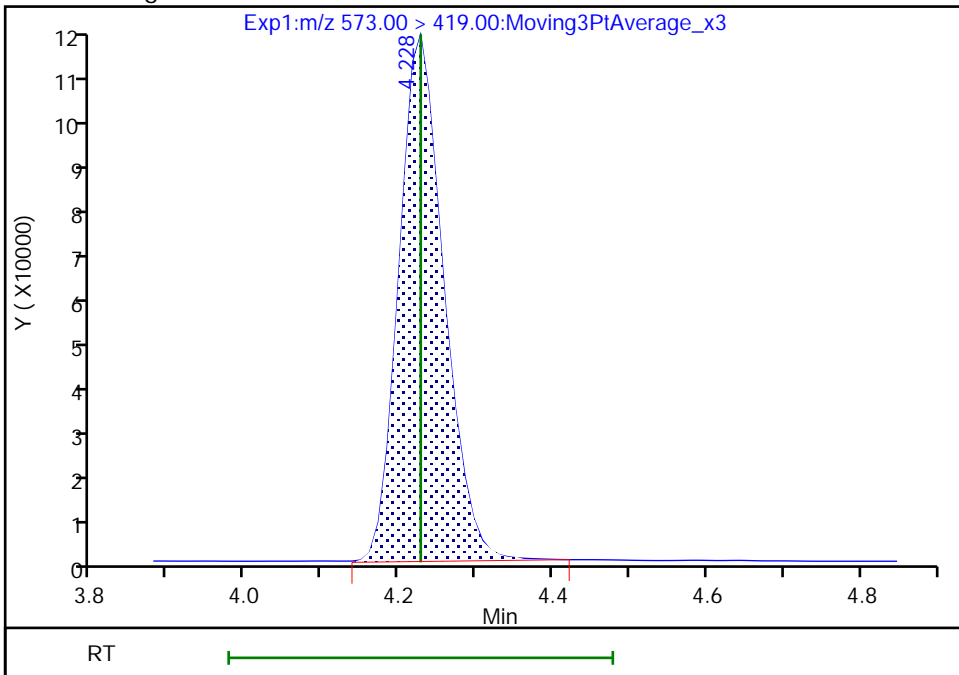
RT: 4.23
Area: 477326
Amount: 1.079211
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 475912
Amount: 1.076014
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:41:28
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

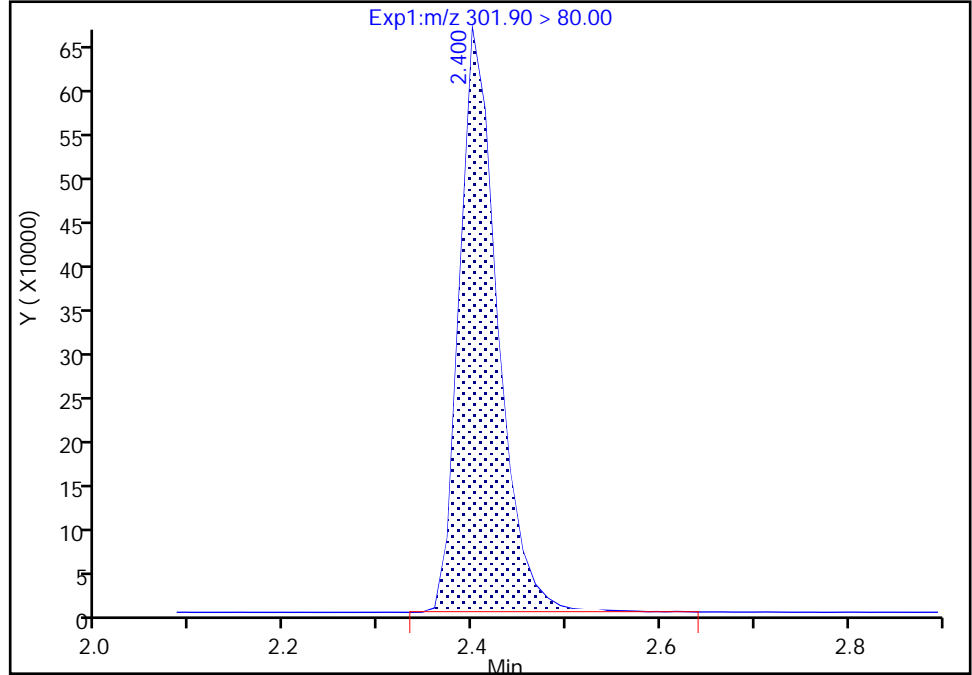
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A28.d
Injection Date: 08-Dec-2022 18:29:25 Instrument ID: LC812
Lims ID: 460-270515-A-5-A Lab Sample ID: 200-270515-5
Client ID: BCS-09-15_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 28
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 47 13C3 PFBS, CAS: STL02337
Signal: 1

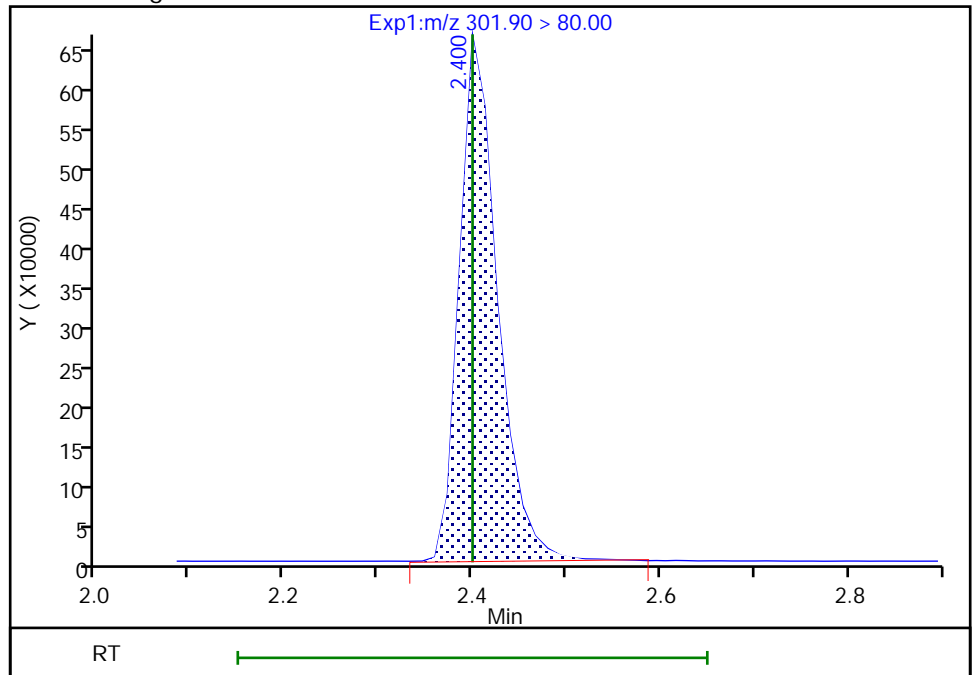
RT: 2.40
Area: 1877562
Amount: 0.954491
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 1873198
Amount: 0.952273
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:40:51
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Client Sample ID: BCS-09-16_(5-5.5)P Lab Sample ID: 460-270515-6
 Matrix: Solid Lab File ID: PA221208A29.d
 Analysis Method: 537 (modified) Date Collected: 12/01/2022 12:31
 Extraction Method: SHAKE Date Extracted: 12/07/2022 08:59
 Sample wt/vol: 5.06(g) Date Analyzed: 12/08/2022 18:37
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: 18.4 % Solids: 81.6 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186513 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.61	U	0.61	0.40
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.24	U	0.24	0.067
307-24-4	Perfluorohexanoic acid (PFHxA)	0.063	J	0.24	0.056
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.24	U	0.24	0.047
335-67-1	Perfluorooctanoic acid (PFOA)	0.12	J	0.24	0.070
375-95-1	Perfluorononanoic acid (PFNA)	0.24	U	0.24	0.041
335-76-2	Perfluorodecanoic acid (PFDA)	0.064	J	0.24	0.034
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.24	U	0.24	0.033
307-55-1	Perfluorododecanoic acid (PFDoA)	0.24	U	0.24	0.030
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.24	U	0.24	0.030
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.24	U	0.24	0.032
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.24	U	0.24	0.040
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.24	U	0.24	0.050
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.24	U	0.24	0.028
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.14	J	0.24	0.13
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.072	J	0.24	0.023
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.24	U	0.24	0.041
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.42	U	2.42	0.13
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.42	U	2.42	0.10
27619-97-2	6:2 FTS	2.42	U	2.42	0.069
39108-34-4	8:2 FTS	2.42	U	2.42	0.045

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Client Sample ID: BCS-09-16_(5-5.5)P Lab Sample ID: 460-270515-6
 Matrix: Solid Lab File ID: PA221208A29.d
 Analysis Method: 537 (modified) Date Collected: 12/01/2022 12:31
 Extraction Method: SHAKE Date Extracted: 12/07/2022 08:59
 Sample wt/vol: 5.06(g) Date Analyzed: 12/08/2022 18:37
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: 18.4 % Solids: 81.6 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186513 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	88		50-150
STL01892	13C4 PFHpA	92		50-150
STL00990	13C4 PFOA	94		50-150
STL00991	13C4 PFOS	87		50-150
STL00995	13C5 PFNA	95		50-150
STL00992	13C4 PFBA	87		50-150
STL00993	13C2 PFHxA	92		50-150
STL00996	13C2 PFDA	98		50-150
STL00997	13C2 PFUnA	94		50-150
STL00998	13C2 PFDoA	89		50-150
STL01056	13C8 FOSA	83		50-150
STL01893	13C5 PFPeA	87		50-150
STL02116	13C2 PFTeDA	92		50-150
STL02118	d3-NMeFOSAA	89		50-150
STL02117	d5-NEtFOSAA	92		50-150
STL02279	M2-6:2 FTS	92		50-150
STL02280	M2-8:2 FTS	90		50-150
STL02337	13C3 PFBS	84		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A29.d
 Lims ID: 460-270515-A-6-A
 Client ID: BCS-09-16_(5-5.5)P
 Sample Type: Client
 Inject. Date: 08-Dec-2022 18:37:34 ALS Bottle#: 26 Worklist Smp#: 29
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 460-270515-A-6-A
 Misc. Info.: 200-0053607-029 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 13-Dec-2022 09:03:28 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1634

First Level Reviewer: nampitakw Date: 09-Dec-2022 17:53:19
 Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA	217.00 > 172.00	2.093	2.076	0.017	0.610	2429133	1.09	87.0	7486	M
2 Perfluorobutanoic acid	212.90 > 169.00	2.093	2.076	0.017	1.000	80786	0.0403		6.9	M
D 3 13C5 PFPeA	267.90 > 223.00	2.387	2.387	0.0	0.696	1860219	1.09	87.5	3622	
4 Perfluoropentanoic acid	262.90 > 219.00	2.387	2.387	0.0	1.000	33992	0.0210		0.7	M
D 47 13C3 PFBS	301.90 > 80.00	2.400	2.400	0.0	0.700	1812036	0.9806	84.4	154549	M
5 Perfluorobutanesulfonic acid	298.90 > 80.00	2.413	2.400	0.013	1.006	3415	0.001915 Target=2.09		3.0	M
	298.90 > 99.00	2.413	2.400	0.013	1.006	2203	1.55(1.04-3.13)		0.5	M
D 7 13C2 PFHxA	315.00 > 270.00	2.725	2.725	0.0	0.794	2040402	1.14	91.6	4665	
6 Perfluorohexanoic acid	313.00 > 269.00	2.725	2.725	0.0	1.000	46569	0.0262 Target=14.25		5.1	M
	313.00 > 119.00	2.725	2.725	0.0	1.000	3090	15.07(7.12-21.37)		4.0	M
D 11 18O2 PFHxS	403.00 > 84.00	3.077	3.088	-0.011	0.897	1406152	1.04	88.3	2577	
8 Perfluorohexanesulfonic acid	399.00 > 80.00	3.088	3.088	0.0	1.004	10566	0.007873 Target=3.66		17.0	M
	399.00 > 99.00	3.099	3.088	0.011	1.007	4267	2.48(1.83-5.49)		2.9	M
D 9 13C4 PFHpA	367.00 > 322.00	3.088	3.099	-0.011	0.900	2118952	1.16	92.5	7820	
10 Perfluoroheptanoic acid	363.00 > 319.00	3.088	3.099	-0.011	1.000	19370	0.0105 Target=3.97		2.5	M
	363.00 > 169.00	3.088	3.099	-0.011	1.000	4821	4.02(1.98-5.95)		13.2	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 12 M2-6:2 FTS										
429.00 > 81.00	3.422	3.439	-0.017	0.997	246708	1.09		92.0	325	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.413	3.439	-0.026	0.997	2710	-0.005698			13.6	
D 14 13C4 PFOA										
417.00 > 372.00	3.430	3.448	-0.018	1.000	2420228	1.17		94.0	5758	
* 62 13C2 PFOA										
415.00 > 370.00	3.430	3.448	-0.018		2488661	1.25			4238	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.439	3.448	-0.009	1.003	106731	0.0516	Target=2.79		5.4	M
413.00 > 169.00	3.430	3.448	-0.018	1.000	28082		3.80(1.40-4.19)		43.0	M
D 18 13C4 PFOS										
503.00 > 80.00	3.745	3.764	-0.019	1.092	951667	1.04		87.2	2168	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.745	3.764	-0.019	1.000	55166	0.0570	Target=5.11		35.2	RM
499.00 > 99.00	3.596	3.764	-0.168	0.960	22069		2.50(2.55-7.66)		27.4	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.764	3.783	-0.019	1.000	22647	0.0114	Target=8.55		4.1	M
463.00 > 169.00	3.764	3.783	-0.019	1.000	2505		9.04(4.28-12.83)		13.3	M
D 19 13C5 PFNA										
468.00 > 423.00	3.764	3.783	-0.019	1.097	2383406	1.19		95.2	4601	M
D 23 13C2 PFDA										
515.00 > 470.00	4.061	4.081	-0.020	1.184	2499953	1.23		98.0	2749	M
24 Perfluorodecanoic acid										
513.00 > 469.00	4.061	4.081	-0.020	1.000	57303	0.0264	Target=10.26		17.2	M
513.00 > 169.00	4.061	4.081	-0.020	1.000	5563		10.30(5.13-15.38)		15.2	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.071	4.093	-0.022	1.187	296300	1.07		89.6	793	M
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.071	4.093	-0.022	1.000	824	0.002059			11.5	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.116	4.150	-0.034	1.000	14484	0.0100			38.1	M
D 21 13C8 FOSA										
506.00 > 78.00	4.116	4.150	-0.034	1.200	1733955	1.04		82.9	3088	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.207	4.228	-0.021	1.226	461750	1.11		88.9	1915	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.207	4.228	-0.021	1.000	1437	-0.007105			4.2	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.297	4.331	-0.034	1.147	17072	0.0296	Target=2.51		17.5	M
599.00 > 99.00	4.297	4.331	-0.034	1.147	8533		2.00(1.25-3.76)		18.6	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.331	4.353	-0.022	1.263	2185406	1.17		93.6	4200	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.331	4.353	-0.022	1.000	11819	0.006708	Target=9.88		4.1	RM
563.00 > 169.00	4.331	4.353	-0.022	1.000	720		16.42(4.94-14.82)		4.9	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.353	4.365	-0.012	1.003	4815	0.0142			32.4	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.342	4.365	-0.023	1.266	472902	1.16		92.5	1153	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.567	4.591	-0.024	1.000	17126	0.009571	Target=7.77		2.4	
613.00 > 169.00	4.567	4.591	-0.024	1.000	2060		8.31(3.89-11.66)		23.1	
D 36 13C2 PFDaA										
615.00 > 570.00	4.567	4.591	-0.024	1.331	2111248	1.11		88.7	4525	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.785	4.804	-0.019	1.048	5272	0.003081	Target=5.21		0.6	M
663.00 > 169.00	4.785	4.804	-0.019	1.048	910		5.79(2.60-7.81)		8.2	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	4.982	5.012	-0.030	1.000	666	0.003205	Target=0.89		12.5	M
713.00 > 219.00	4.982	5.012	-0.030	1.000	1157		0.58(0.44-1.33)		13.1	M
D 43 13C2 PFTeDA										
715.00 > 670.00	4.982	5.012	-0.030	1.452	1897276	1.15		92.2	4148	

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromf\Burlington\ChromData\LC812\20221208-53607.b\PA221208A29.d

Injection Date: 08-Dec-2022 18:37:34

Instrument ID: LC812

Lims ID: 460-270515-A-6-A

Lab Sample ID: 200-270515-6

Client ID: BCS-09-16_(5-5.5)P

Operator ID: lc812tech

ALS Bottle#: 26

Worklist Smp#: 29

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

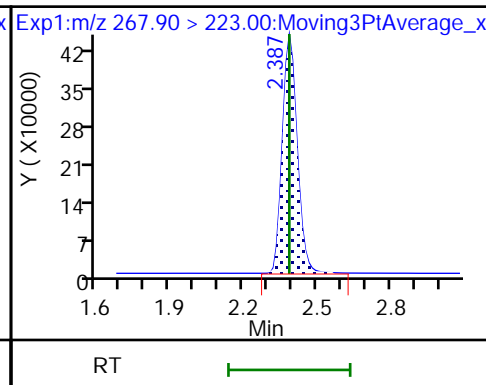
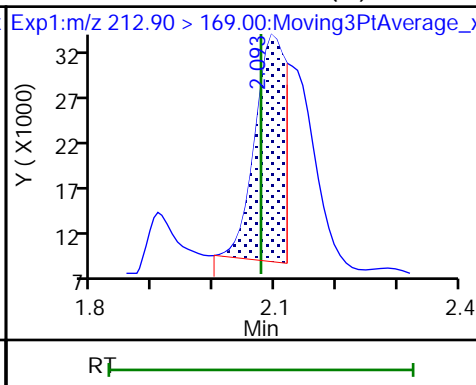
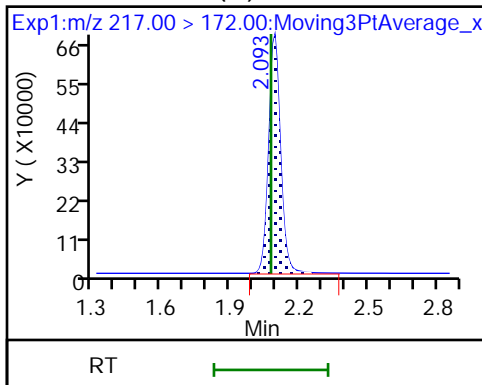
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA (M)

2 Perfluorobutanoic acid (M)

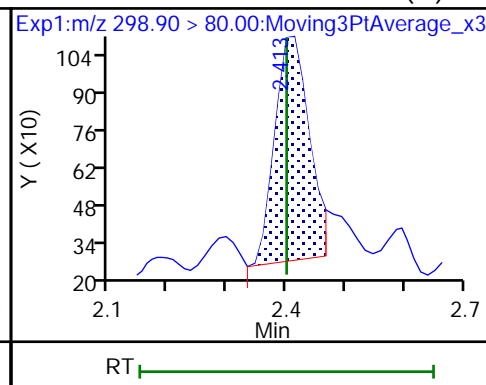
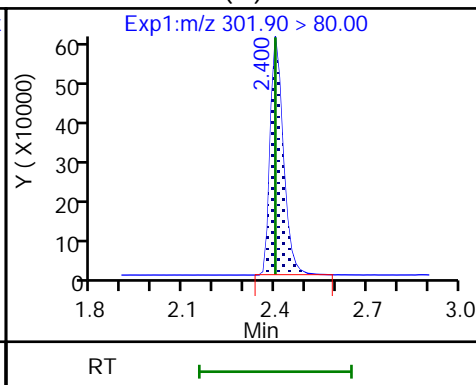
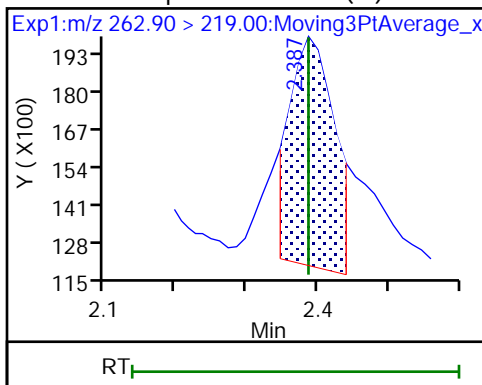
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS (M)

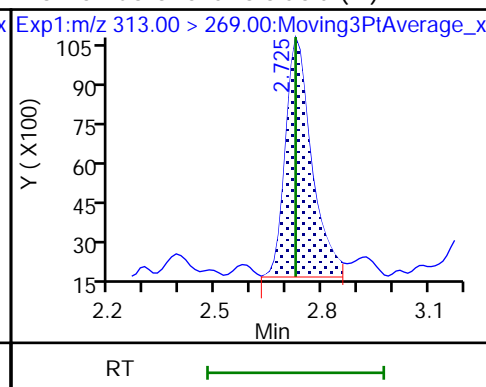
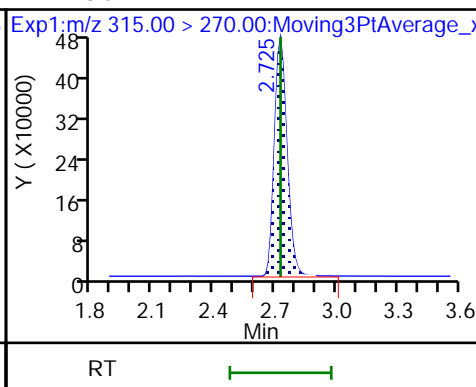
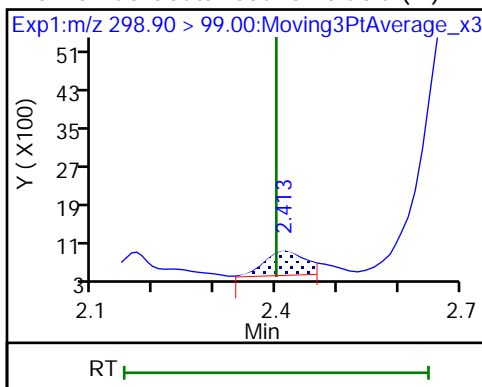
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

D 7 13C2 PFHxA

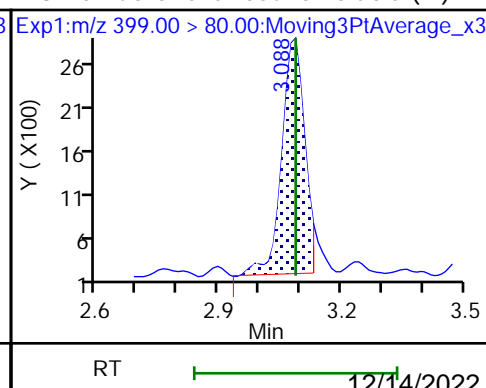
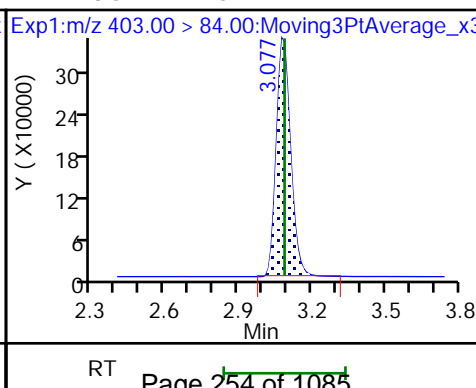
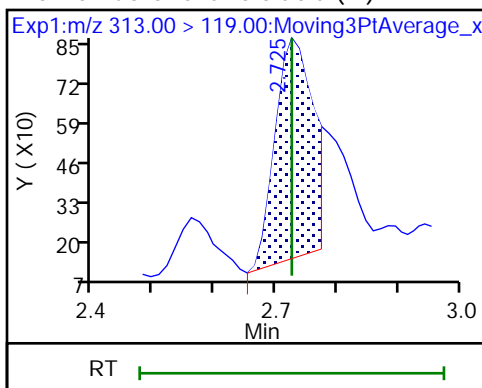
6 Perfluorohexanoic acid (M)



6 Perfluorohexanoic acid (M)

D 11 18O2 PFHxS

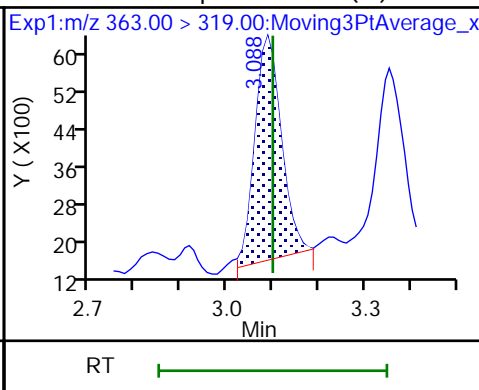
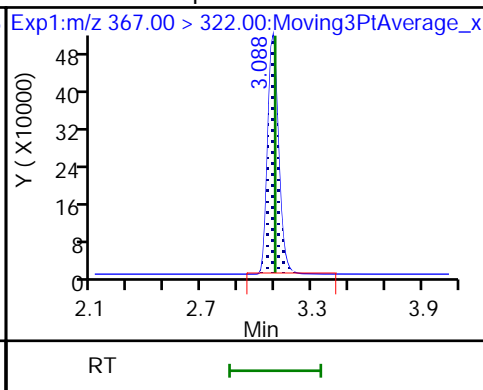
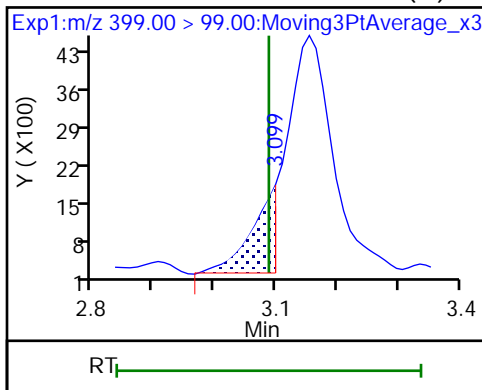
8 Perfluorohexanesulfonic acid (M)



8 Perfluorohexanesulfonic acid (M)

D 9 13C4 PFHpA

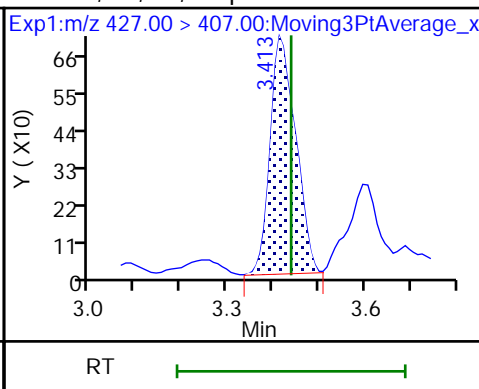
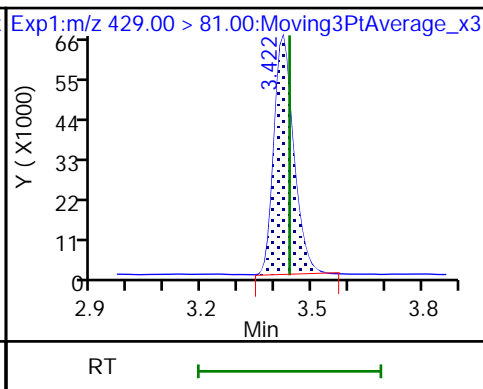
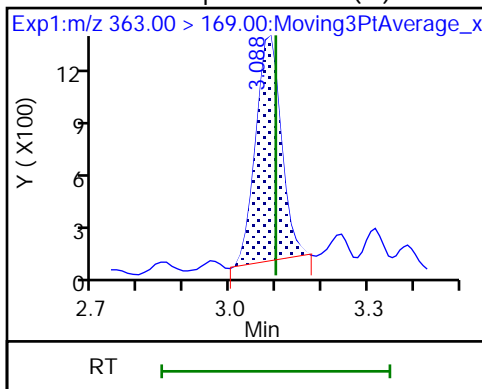
10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid (M)

D 12 M2-6:2 FTS

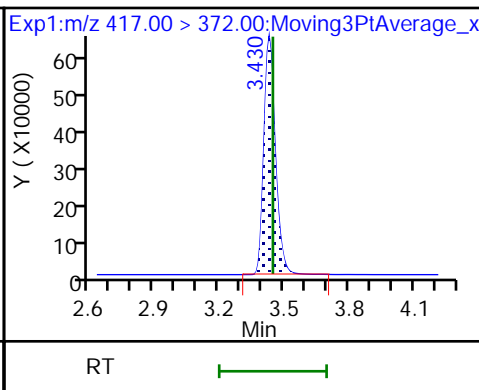
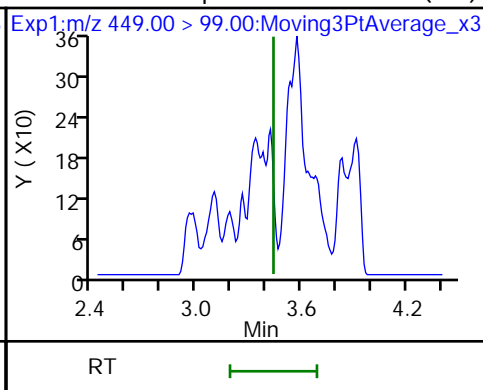
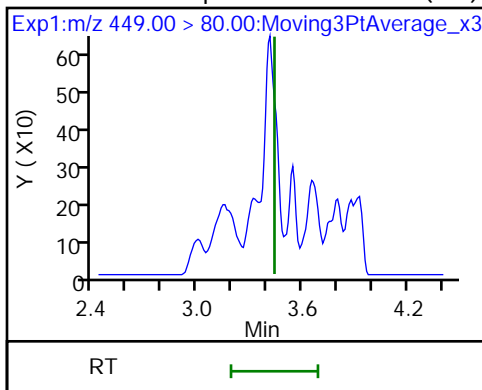
13 1H,1H,2H,2H-perfluorooctanesulfo



16 Perfluoroheptanesulfonic acid (ND)

16 Perfluoroheptanesulfonic acid (ND)

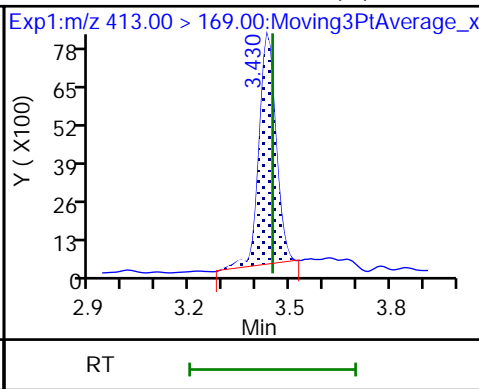
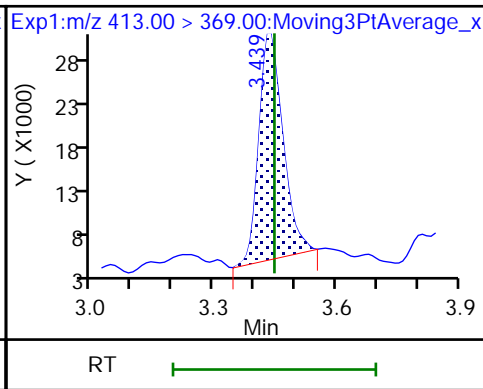
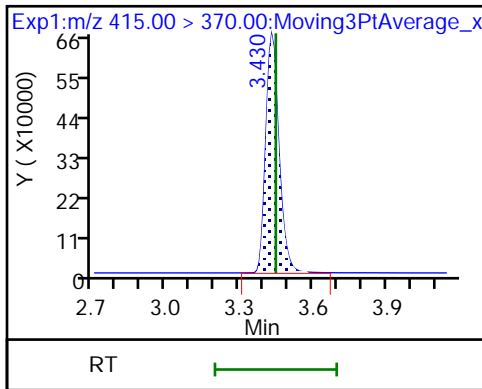
D 14 13C4 PFOA



* 62 13C2 PFOA

15 Perfluorooctanoic acid

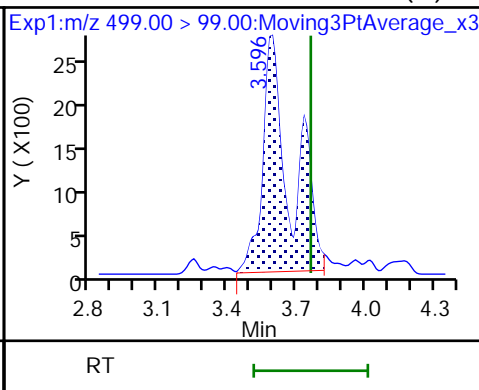
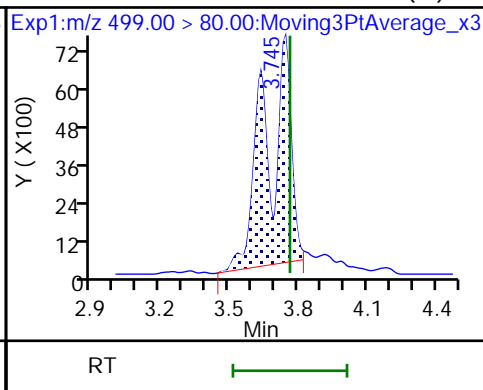
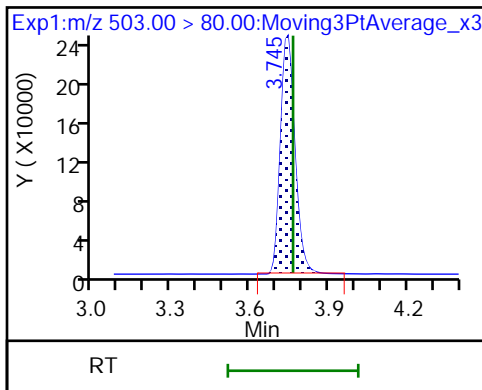
15 Perfluorooctanoic acid (M)



D 18 13C4 PFOS

17 Perfluorooctanesulfonic acid (M)

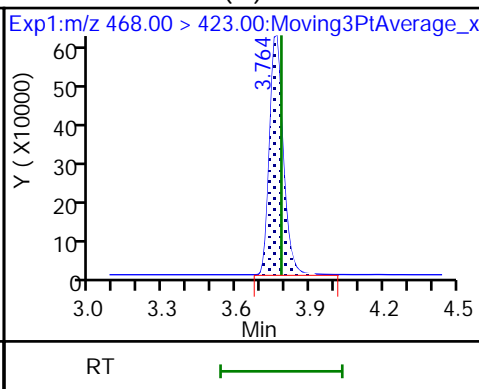
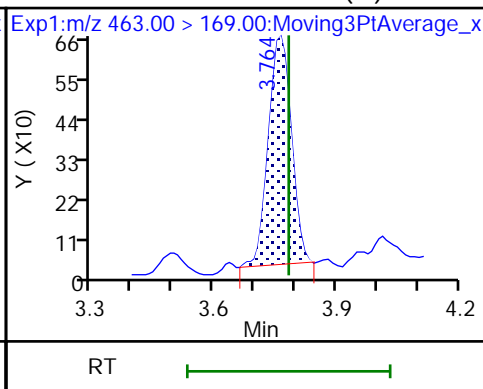
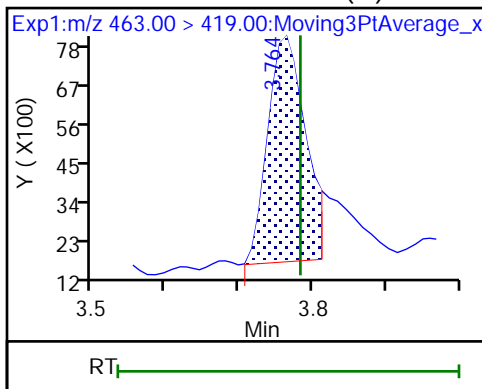
17 Perfluorooctanesulfonic acid (M)



20 Perfluorononanoic acid (M)

20 Perfluorononanoic acid (M)

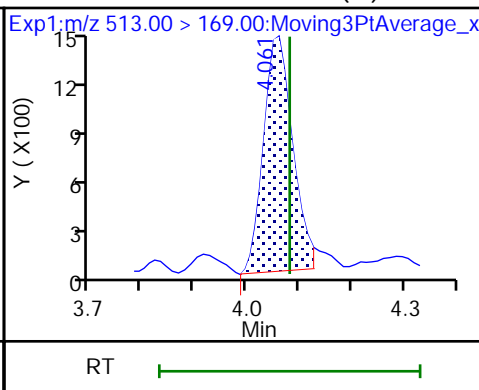
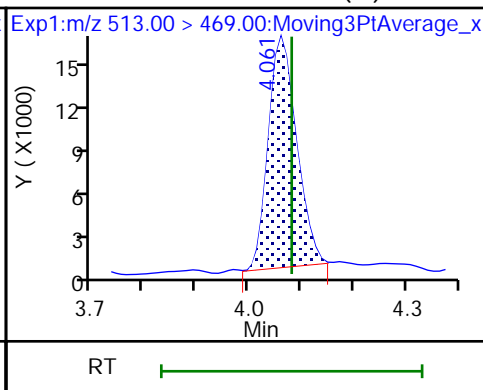
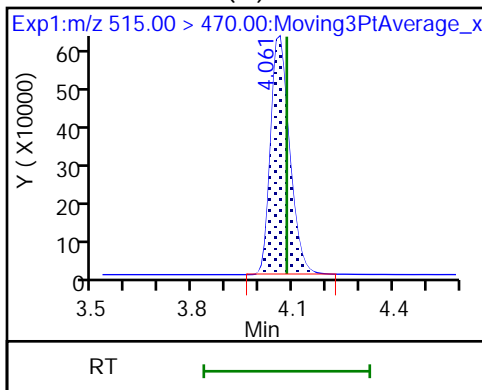
D 19 13C5 PFNA (M)



D 23 13C2 PFDA (M)

24 Perfluorodecanoic acid (M)

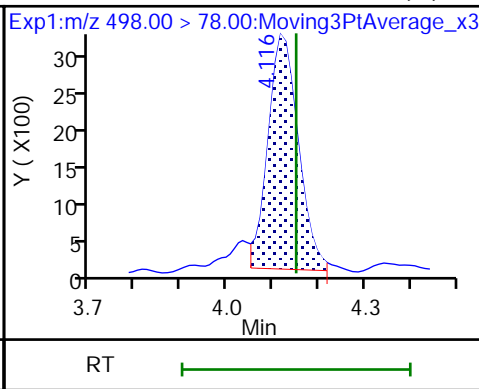
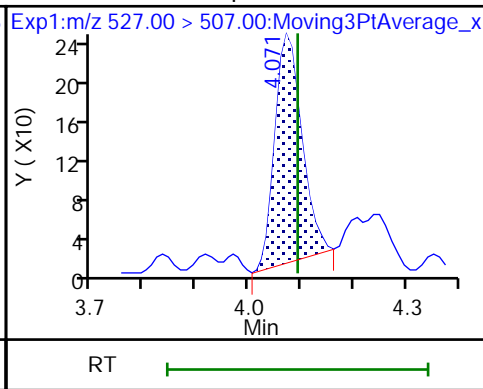
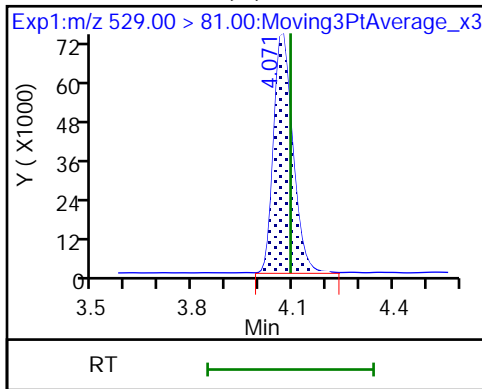
24 Perfluorodecanoic acid (M)



D 26 M2-8:2 FTS (M)

25 1H,1H,2H,2H-perfluorodecanesulfo

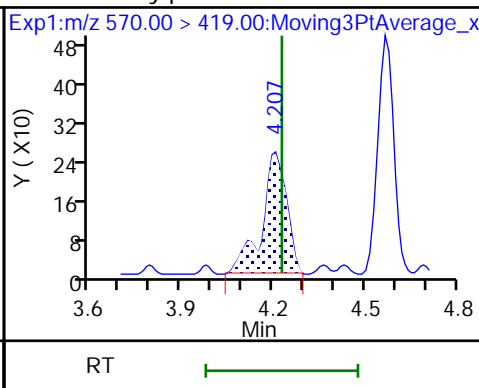
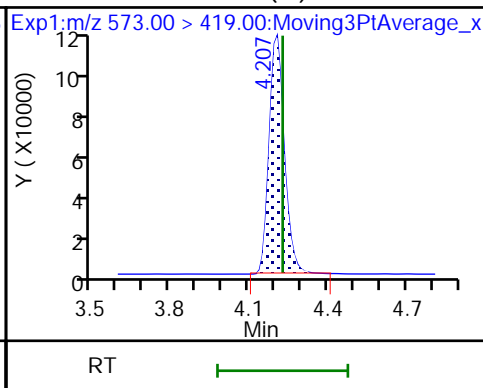
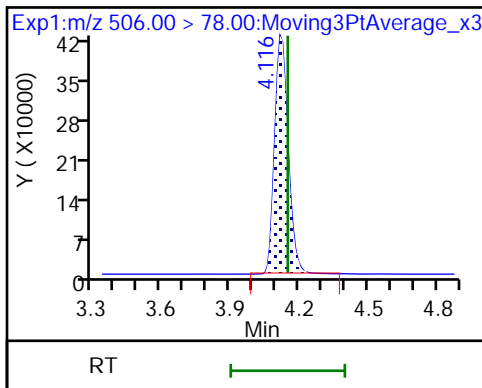
22 Perfluorooctanesulfonamide (M)



D 21 13C8 FOSA

D 27 d3-NMeFOSAA (M)

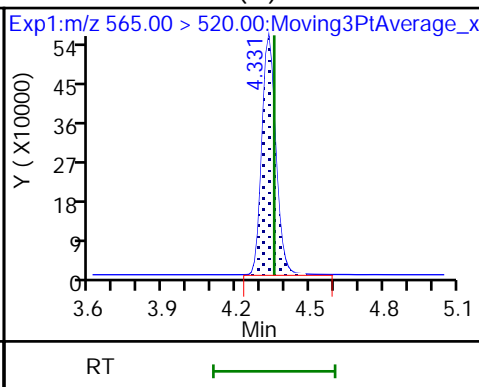
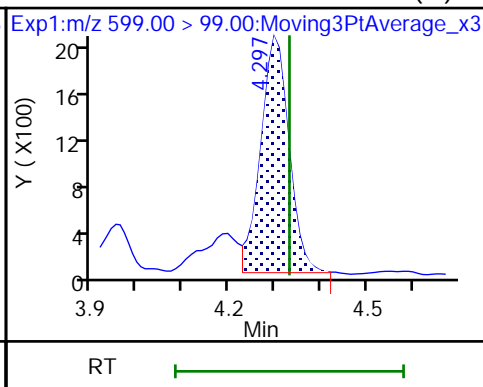
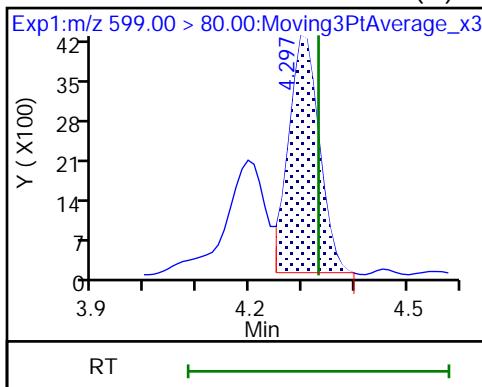
28 N-methylperfluorooctanesulfonami (M)



29 Perfluorodecanesulfonic acid (M)

29 Perfluorodecanesulfonic acid (M)

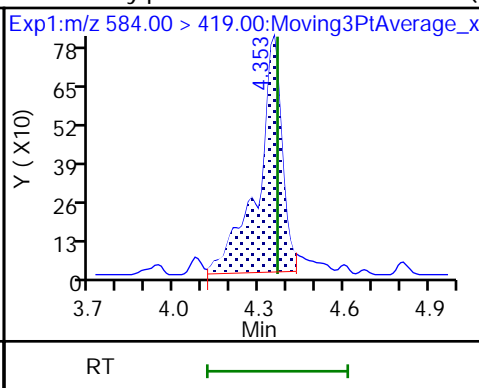
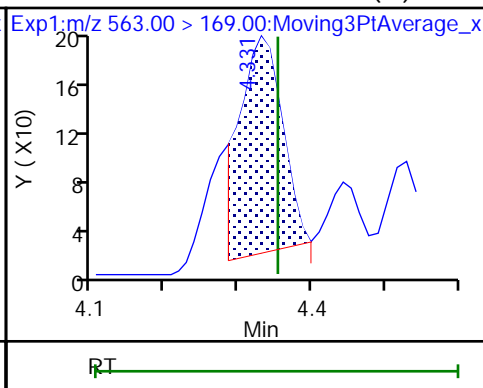
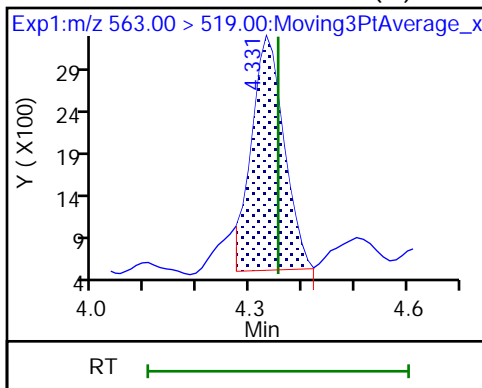
D 30 13C2 PFUa (M)



31 Perfluoroundecanoic acid (M)

31 Perfluoroundecanoic acid (M)

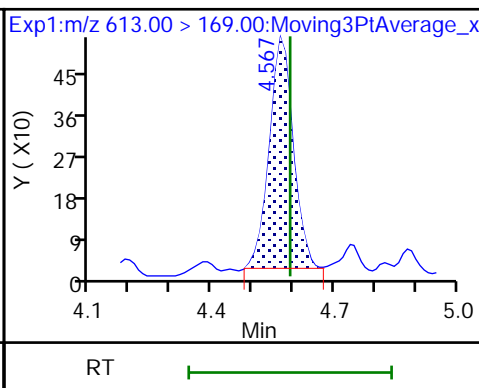
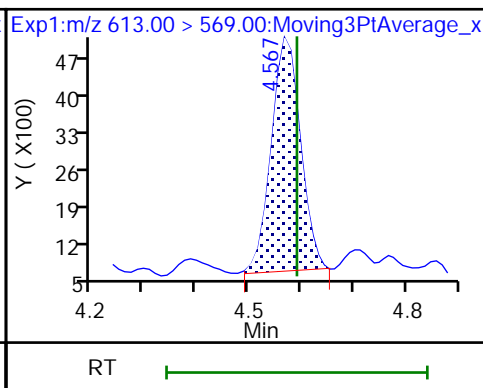
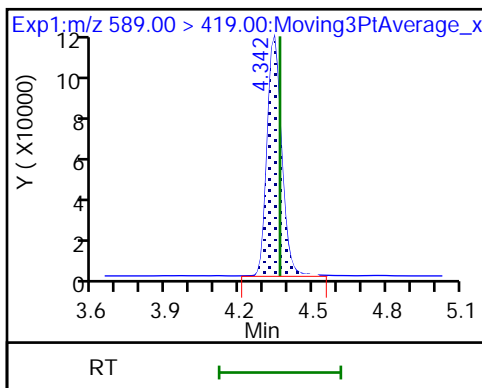
33 N-ethylperfluorooctanesulfonamid (M)



D 32 d5-NEtFOSAA

37 Perfluorododecanoic acid

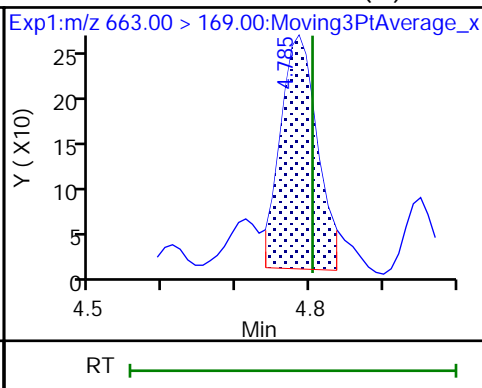
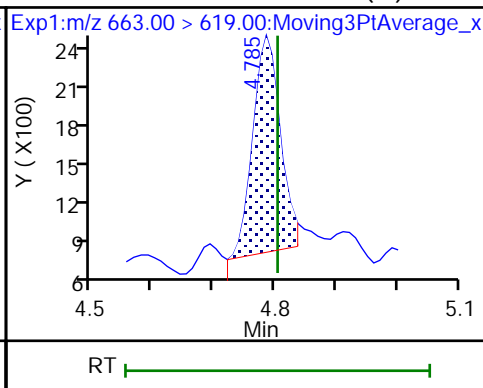
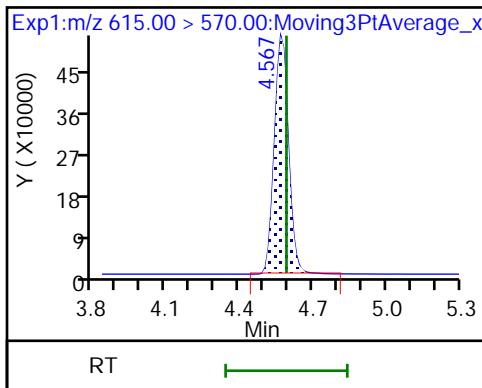
37 Perfluorododecanoic acid



D 36 13C2 PFDaA

41 Perfluorotridecanoic acid (M)

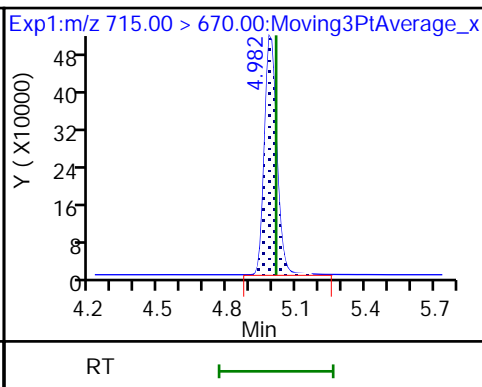
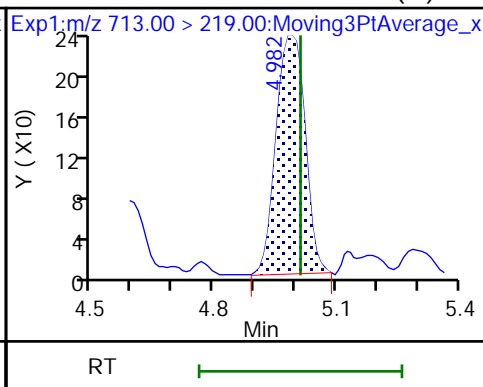
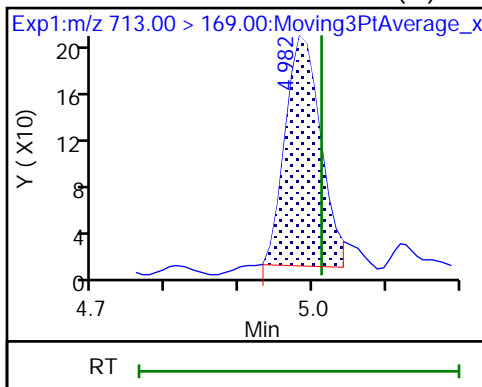
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

D 43 13C2 PFTeDA



Eurofins Burlington

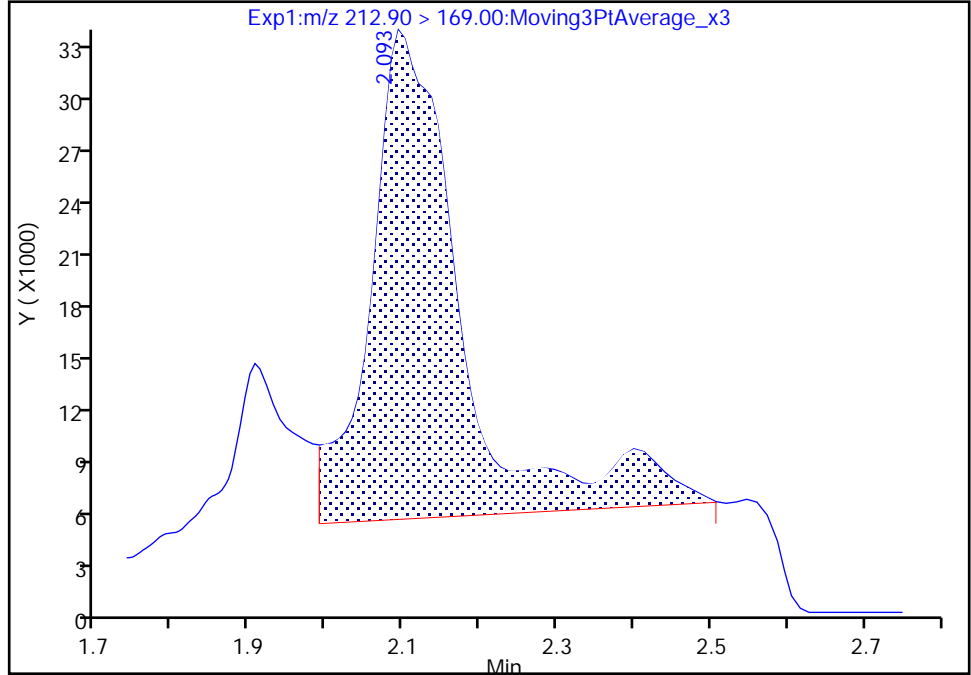
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Injection Date: 08-Dec-2022 18:37:34 Instrument ID: LC812
Lims ID: 460-270515-A-6-A Lab Sample ID: 200-270515-6
Client ID: BCS-09-16_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

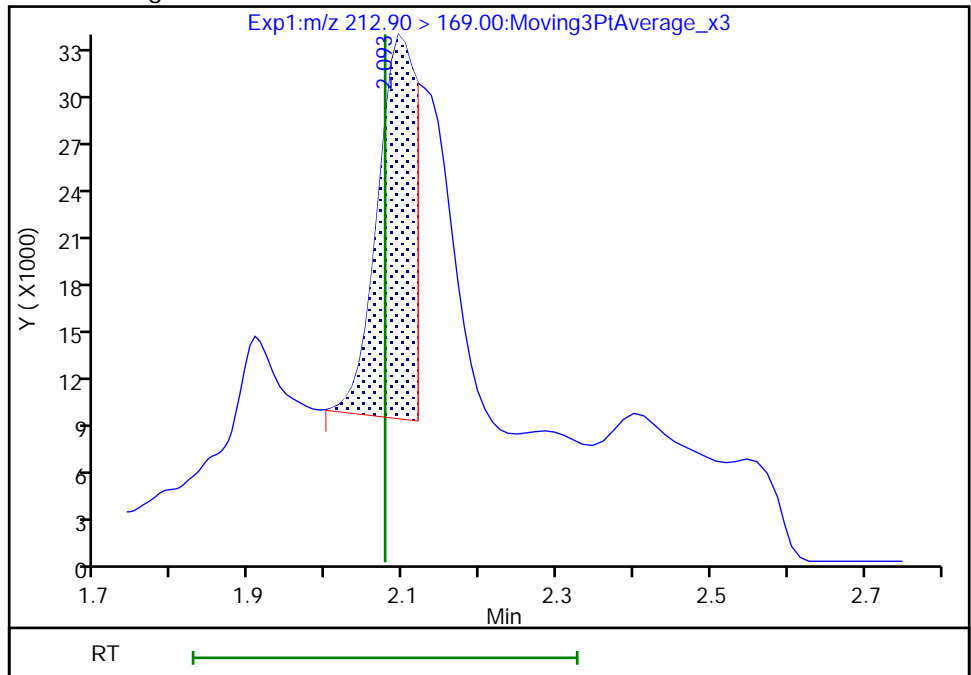
RT: 2.09
Area: 228143
Amount: 0.113848
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 80786
Amount: 0.040314
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:48:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

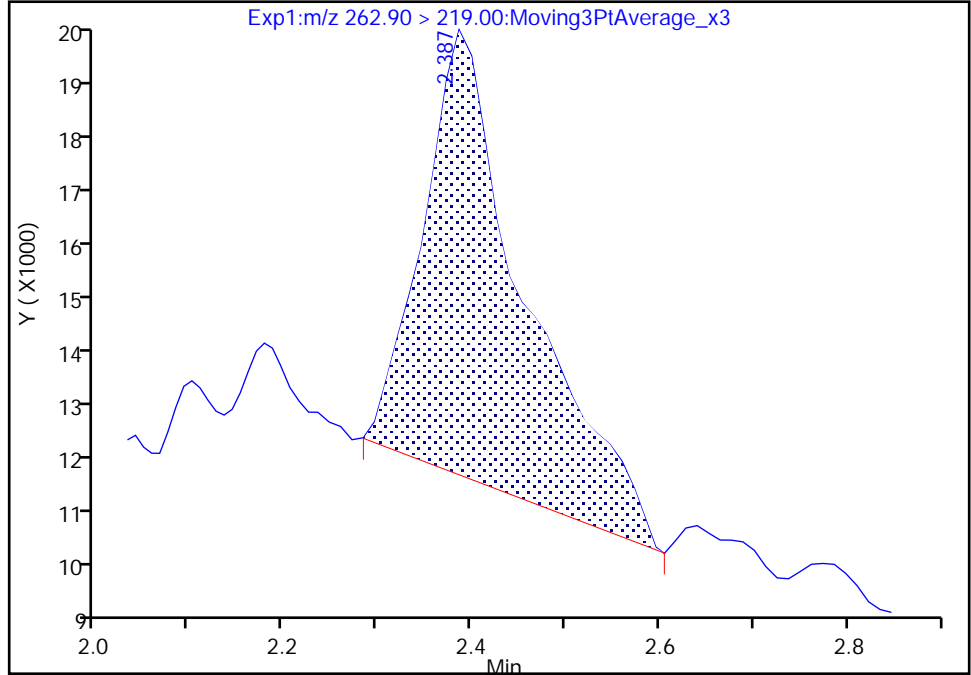
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Injection Date: 08-Dec-2022 18:37:34 Instrument ID: LC812
Lims ID: 460-270515-A-6-A Lab Sample ID: 200-270515-6
Client ID: BCS-09-16_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

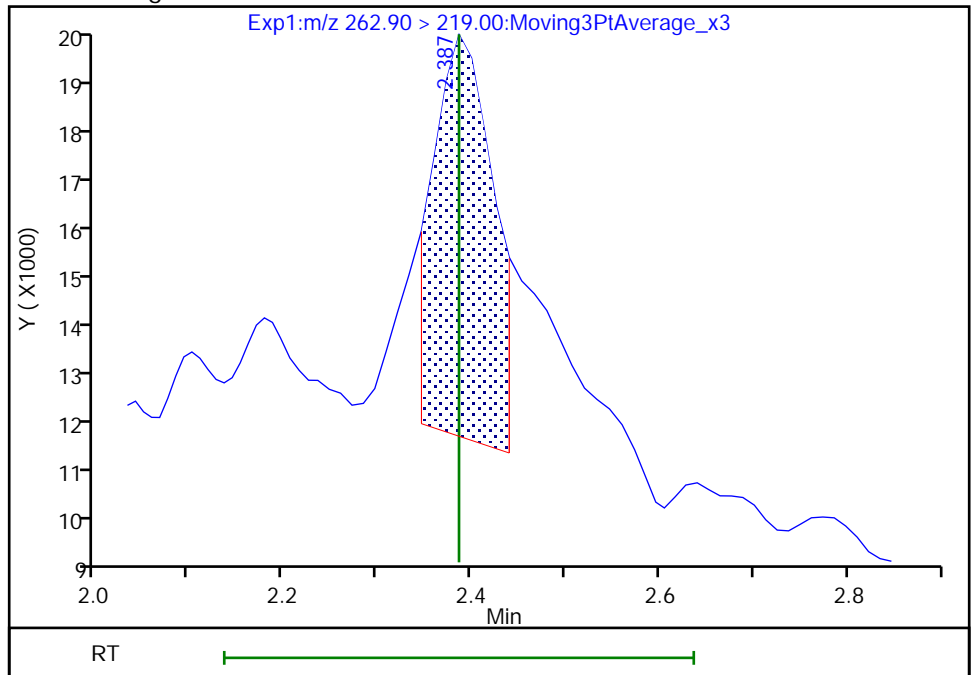
RT: 2.39
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Amount: 0.036929
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
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Amount: 0.020959
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:48:17
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

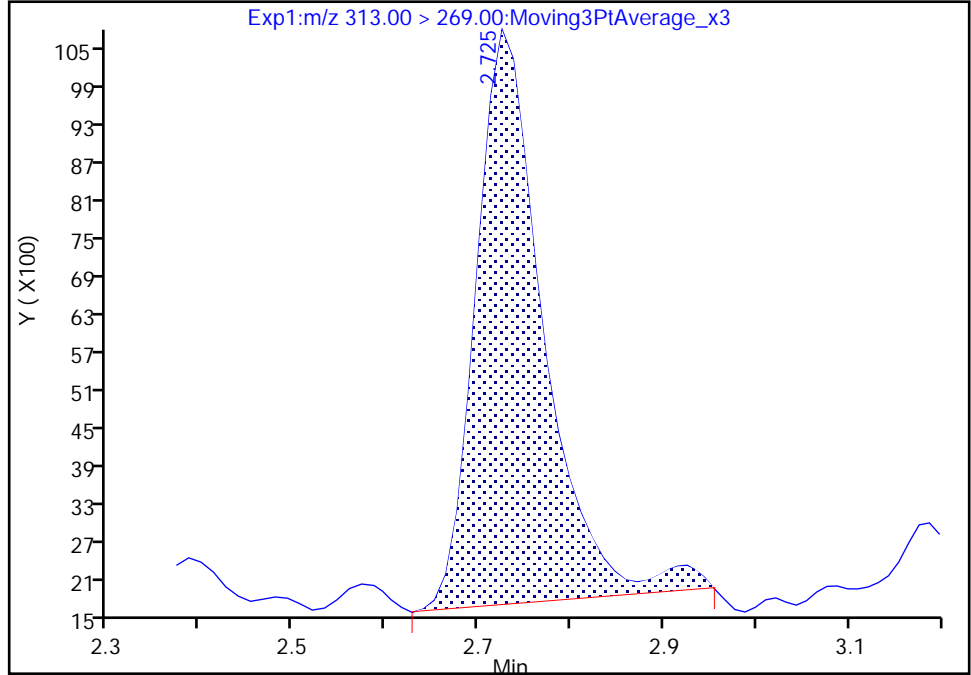
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Injection Date: 08-Dec-2022 18:37:34 Instrument ID: LC812
Lims ID: 460-270515-A-6-A Lab Sample ID: 200-270515-6
Client ID: BCS-09-16_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

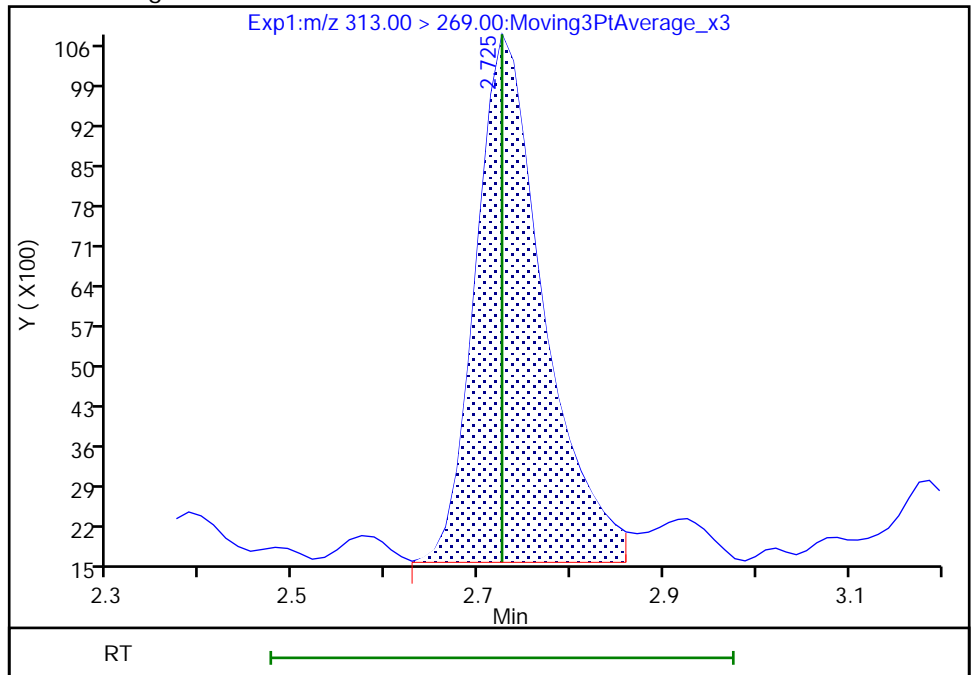
RT: 2.73
Area: 46336
Amount: 0.026052
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 46569
Amount: 0.026183
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:48:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

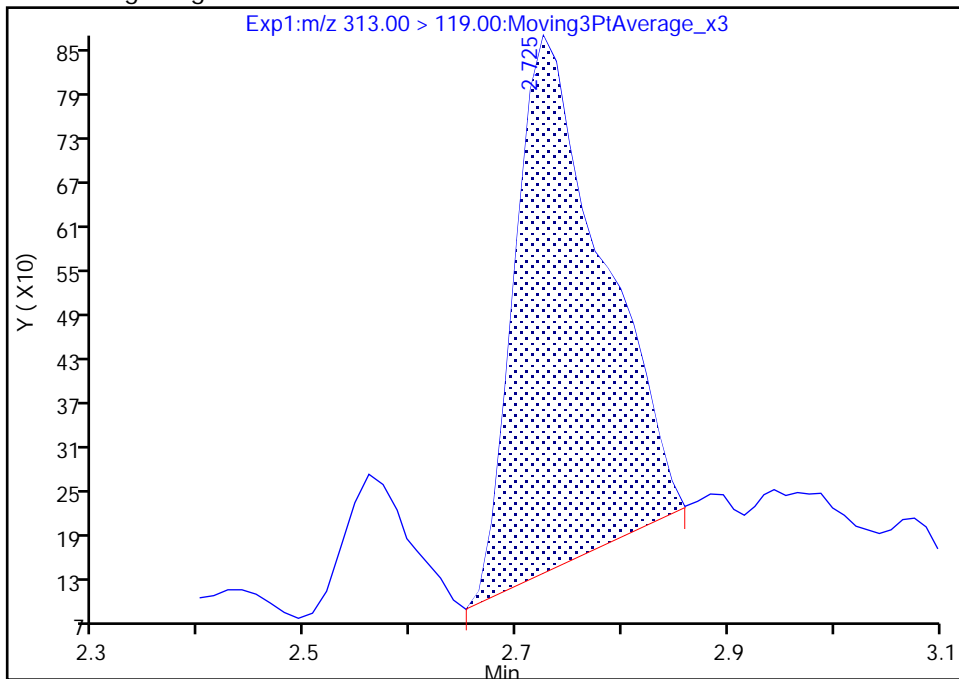
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A29.d
Injection Date: 08-Dec-2022 18:37:34 Instrument ID: LC812
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Client ID: BCS-09-16_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

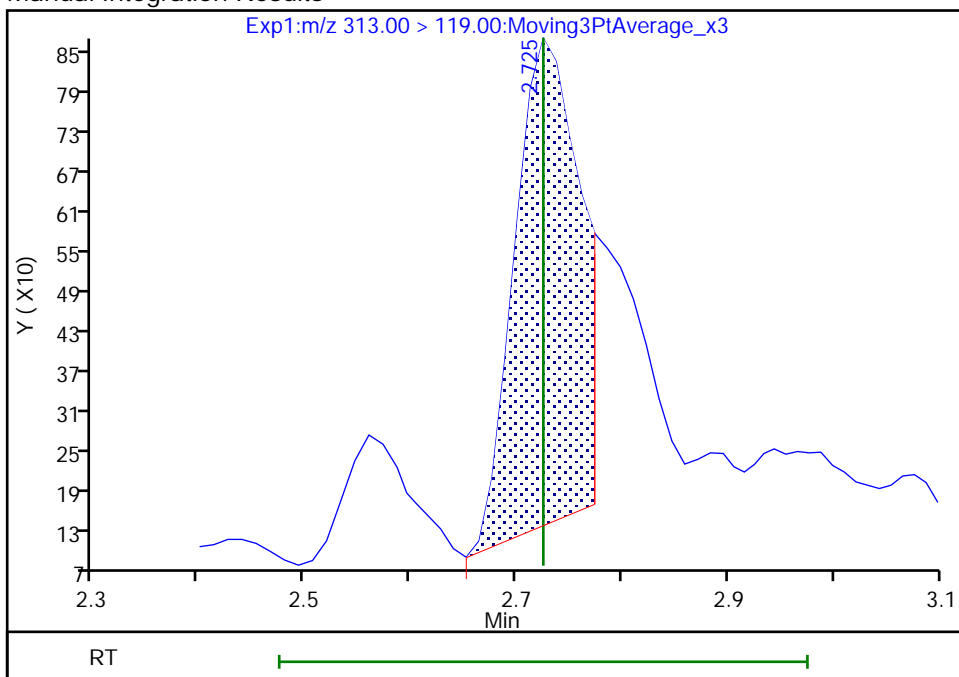
RT: 2.73
Area: 4226
Amount: 0.026052
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
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Amount: 0.026183
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 17:48:51

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

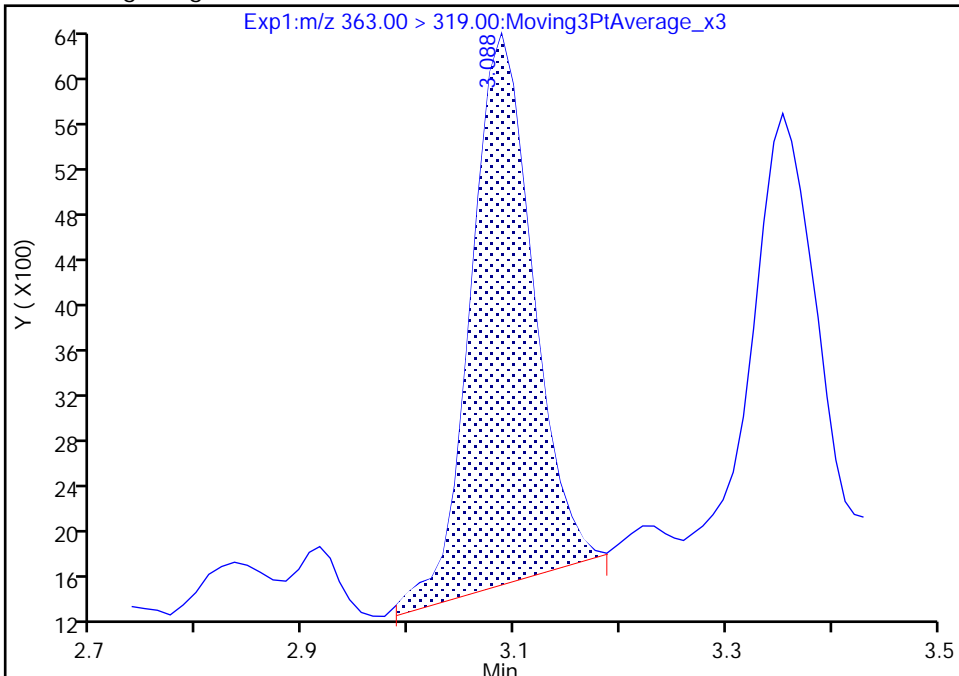
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Injection Date: 08-Dec-2022 18:37:34 Instrument ID: LC812
Lims ID: 460-270515-A-6-A Lab Sample ID: 200-270515-6
Client ID: BCS-09-16_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

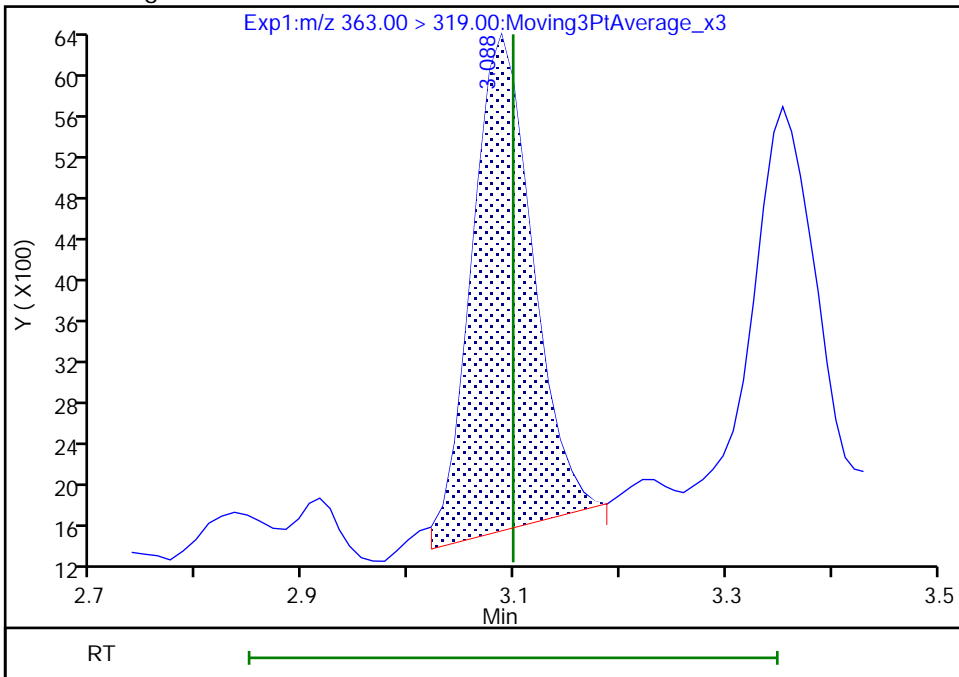
RT: 3.09
Area: 19865
Amount: 0.010763
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 19370
Amount: 0.010495
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:49:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

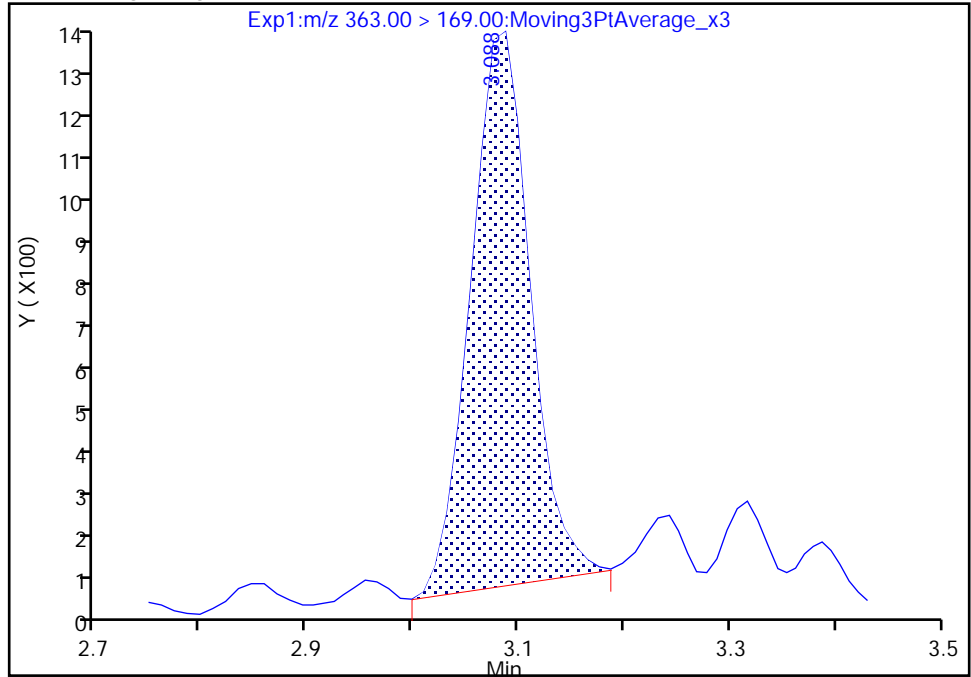
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A29.d
Injection Date: 08-Dec-2022 18:37:34 Instrument ID: LC812
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Client ID: BCS-09-16_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

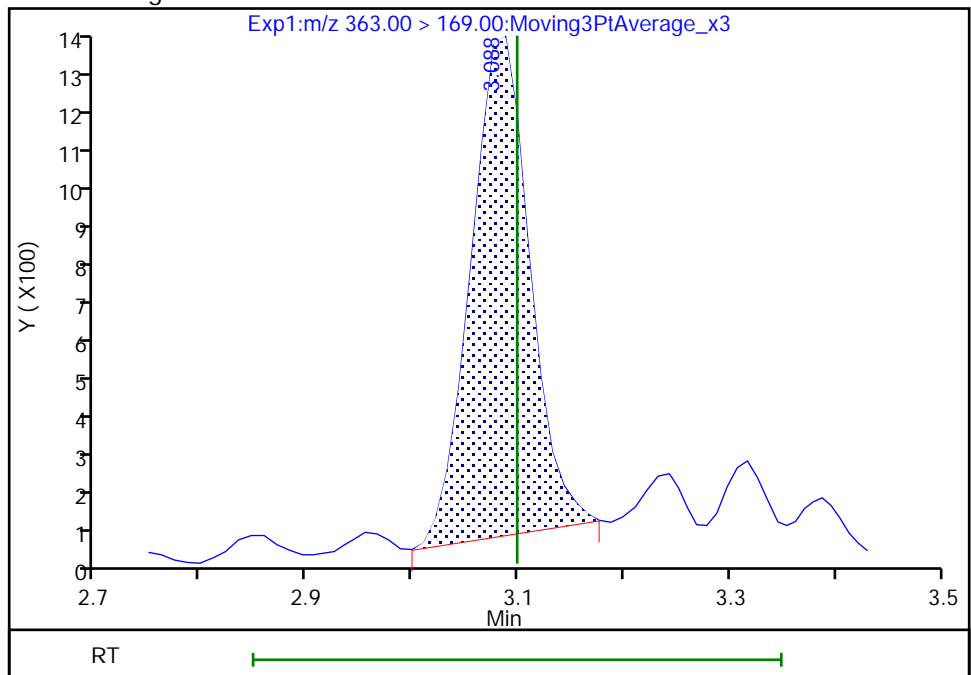
RT: 3.09
Area: 4872
Amount: 0.010763
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 4821
Amount: 0.010495
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 17:49:23

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

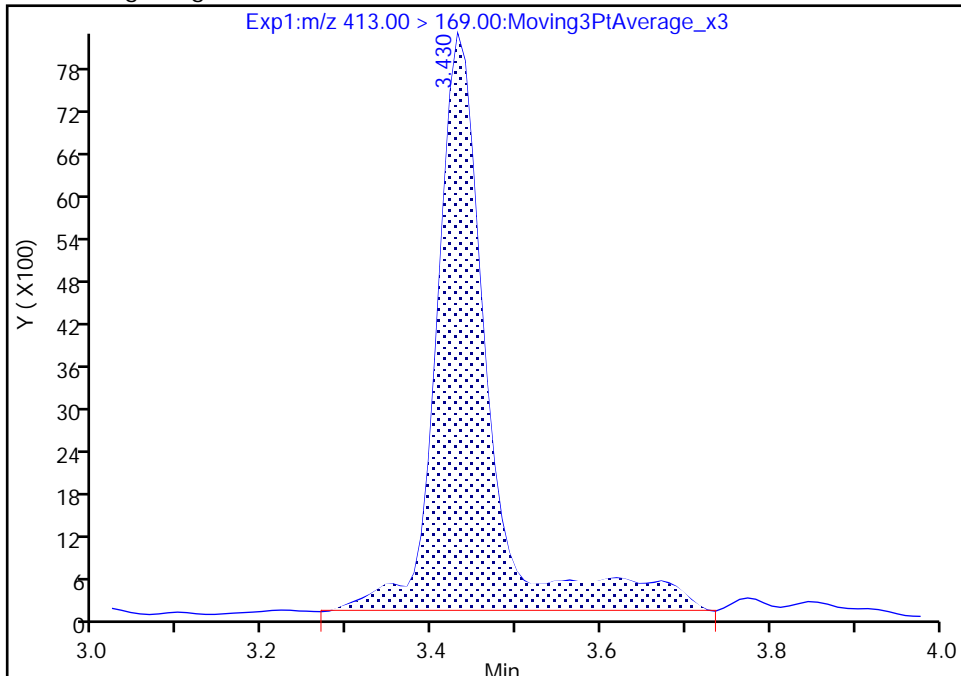
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Client ID: BCS-09-16_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

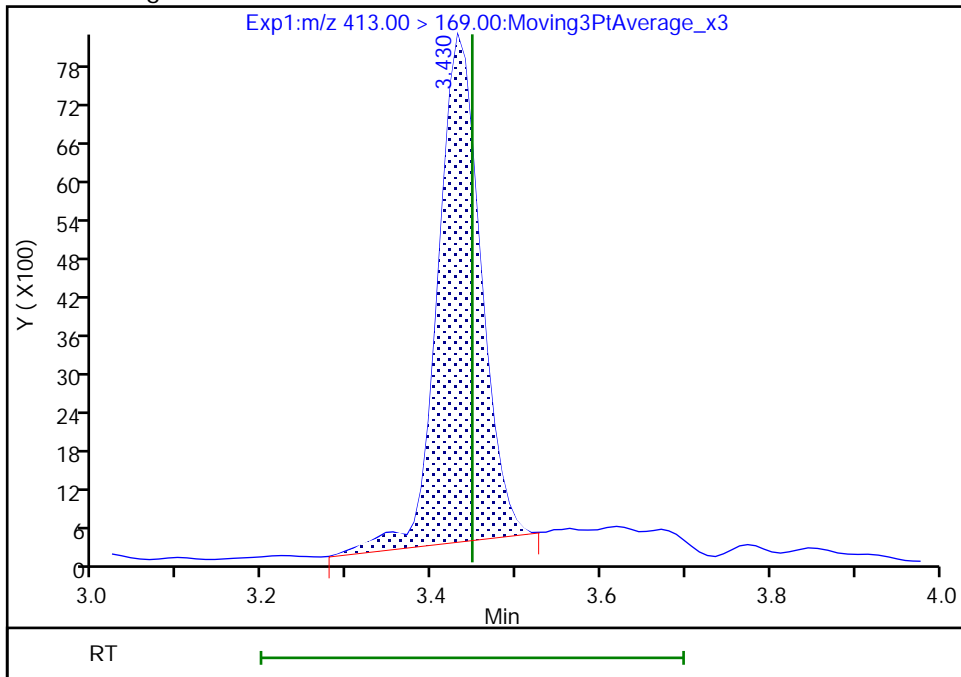
RT: 3.43
Area: 35493
Amount: 0.051565
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 28082
Amount: 0.051565
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:49:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

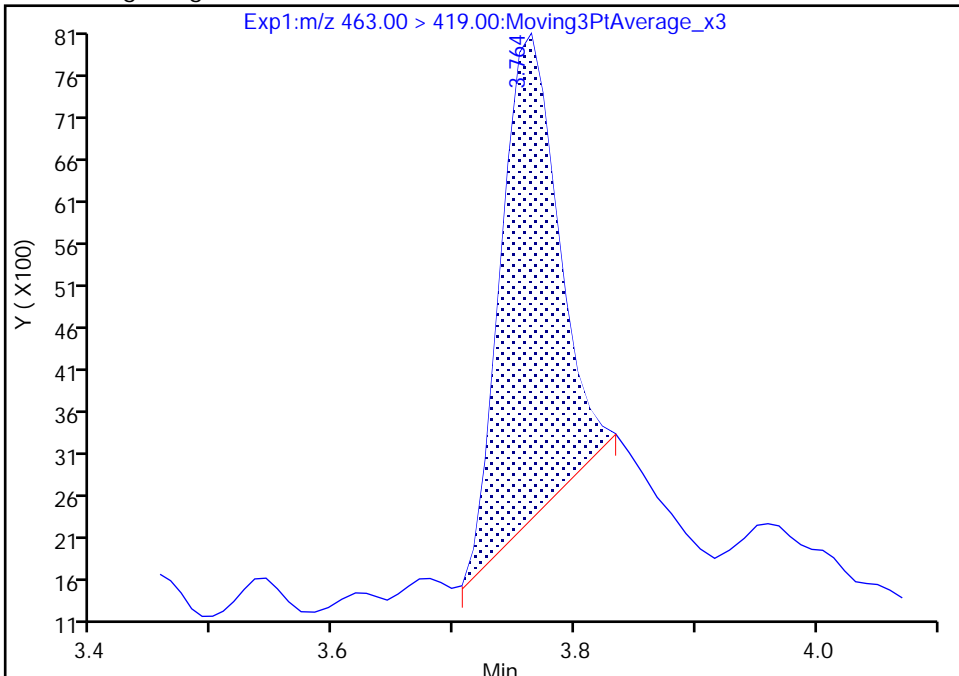
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A29.d
Injection Date: 08-Dec-2022 18:37:34 Instrument ID: LC812
Lims ID: 460-270515-A-6-A Lab Sample ID: 200-270515-6
Client ID: BCS-09-16_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

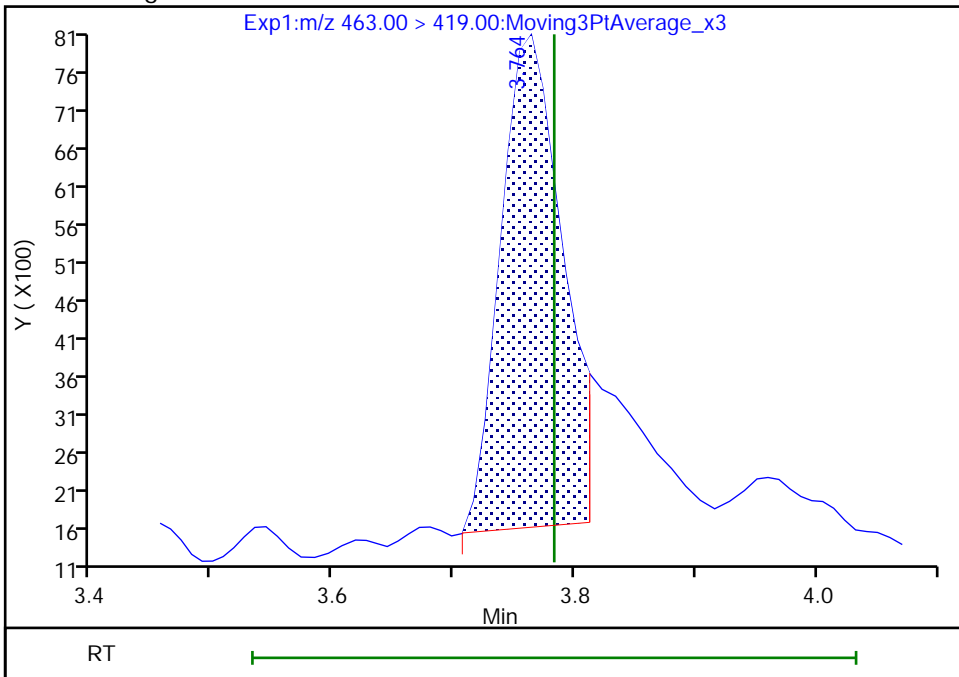
RT: 3.76
Area: 18884
Amount: 0.009547
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 22647
Amount: 0.011450
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:50:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

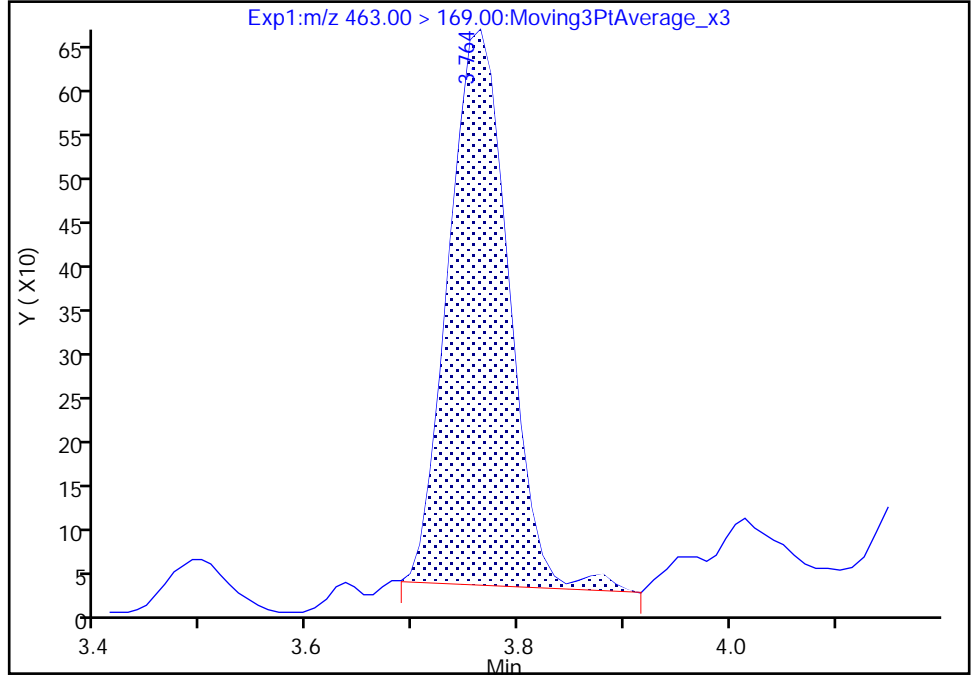
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A29.d
Injection Date: 08-Dec-2022 18:37:34 Instrument ID: LC812
Lims ID: 460-270515-A-6-A Lab Sample ID: 200-270515-6
Client ID: BCS-09-16_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

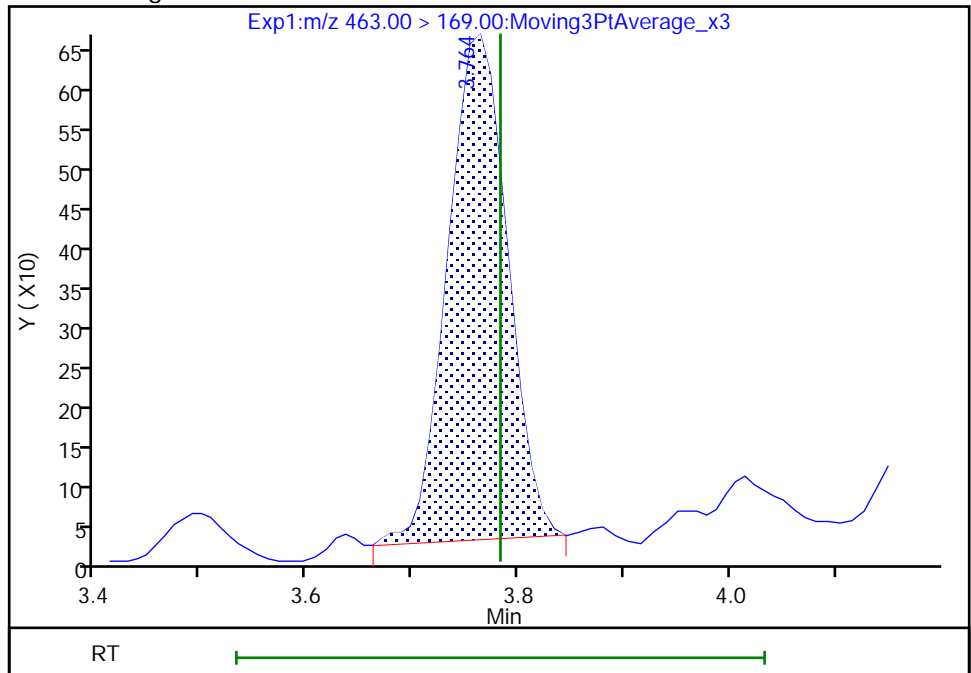
RT: 3.76
Area: 2491
Amount: 0.009547
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 2505
Amount: 0.011450
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 17:50:45

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

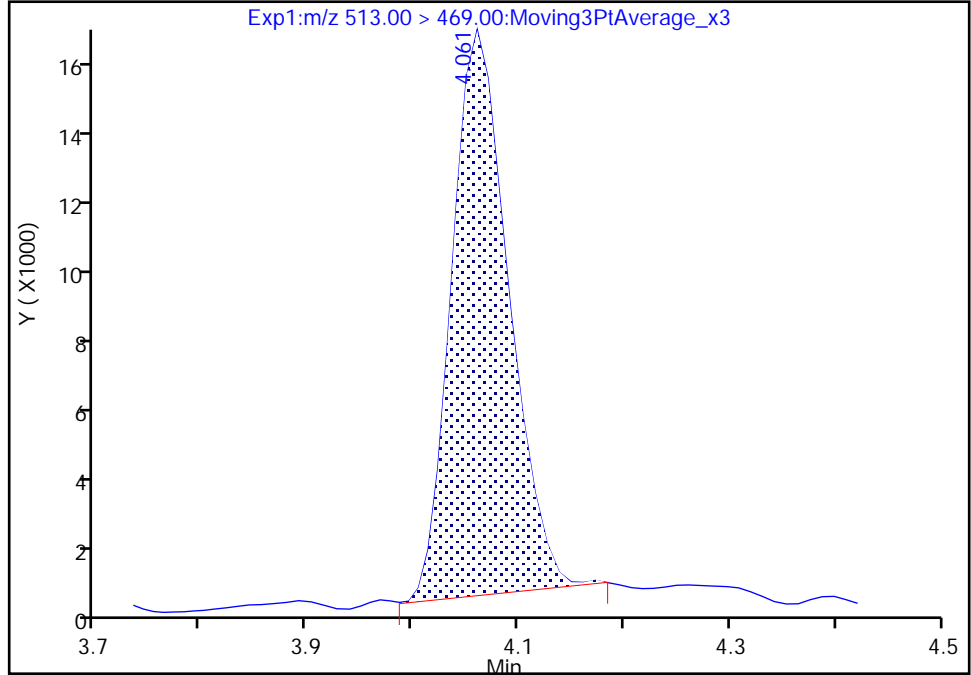
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A29.d
Injection Date: 08-Dec-2022 18:37:34 Instrument ID: LC812
Lims ID: 460-270515-A-6-A Lab Sample ID: 200-270515-6
Client ID: BCS-09-16_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

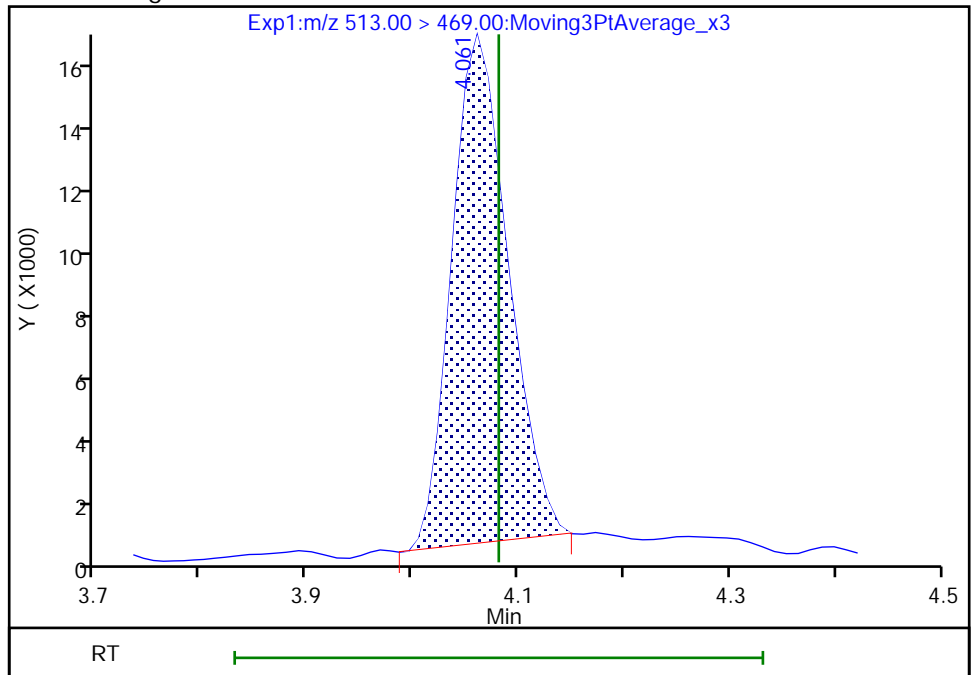
RT: 4.06
Area: 58002
Amount: 0.026743
Amount Units: ng/ml

Processing Integration Results



RT: 4.06
Area: 57303
Amount: 0.026420
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:50:51
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

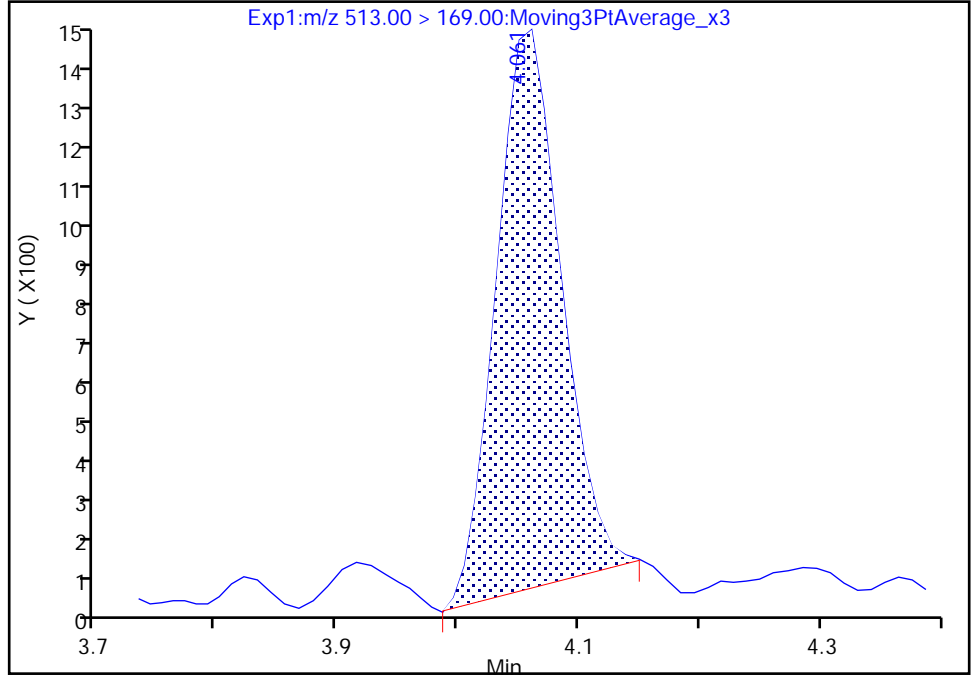
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A29.d
Injection Date: 08-Dec-2022 18:37:34 Instrument ID: LC812
Lims ID: 460-270515-A-6-A Lab Sample ID: 200-270515-6
Client ID: BCS-09-16_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

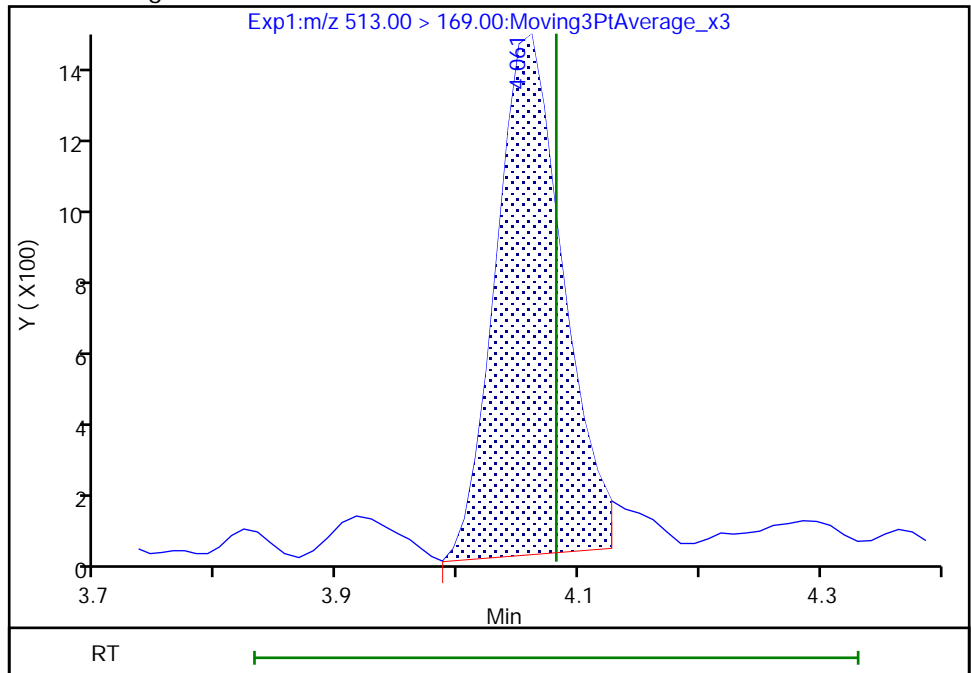
RT: 4.06
Area: 5249
Amount: 0.026743
Amount Units: ng/ml

Processing Integration Results



RT: 4.06
Area: 5563
Amount: 0.026420
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 17:50:56

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

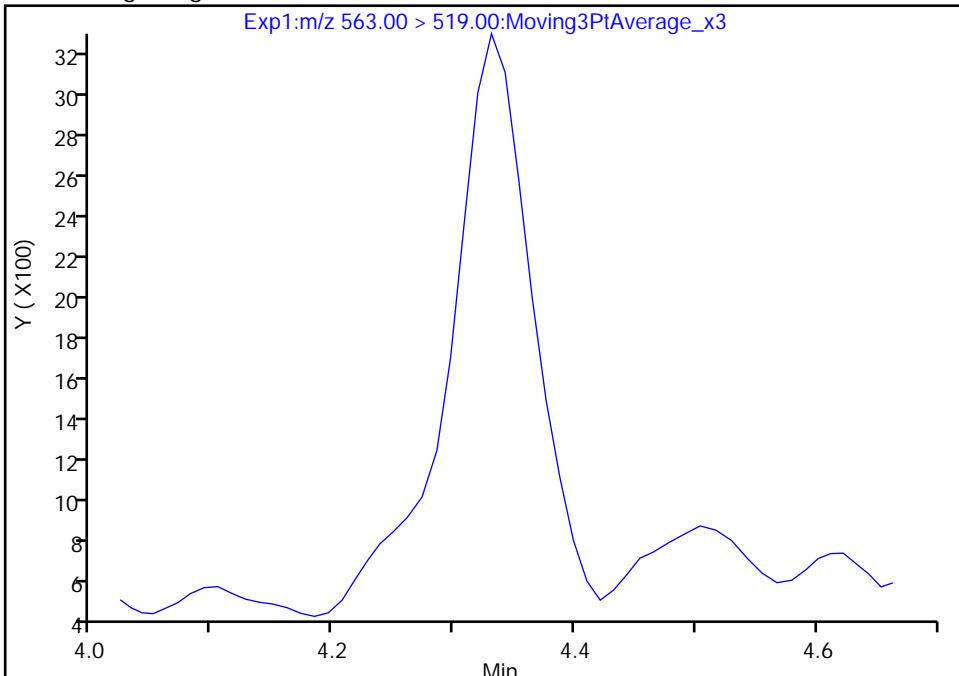
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A29.d
Injection Date: 08-Dec-2022 18:37:34 Instrument ID: LC812
Lims ID: 460-270515-A-6-A Lab Sample ID: 200-270515-6
Client ID: BCS-09-16_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

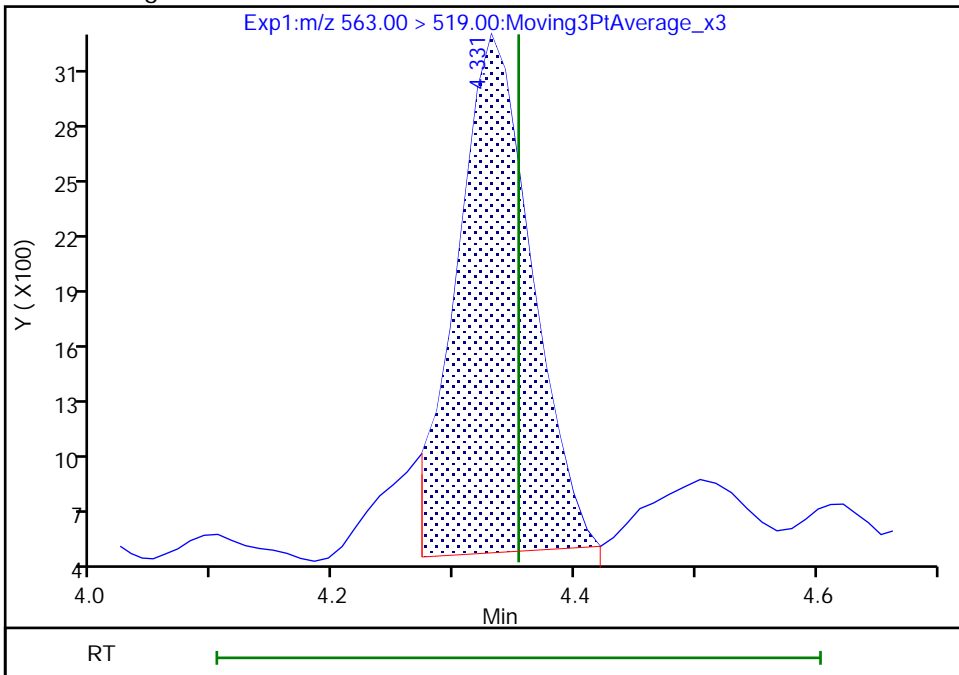
Not Detected
Expected RT: 4.35

Processing Integration Results



Manual Integration Results

RT: 4.33
Area: 11819
Amount: 0.006708
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 17:52:04
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

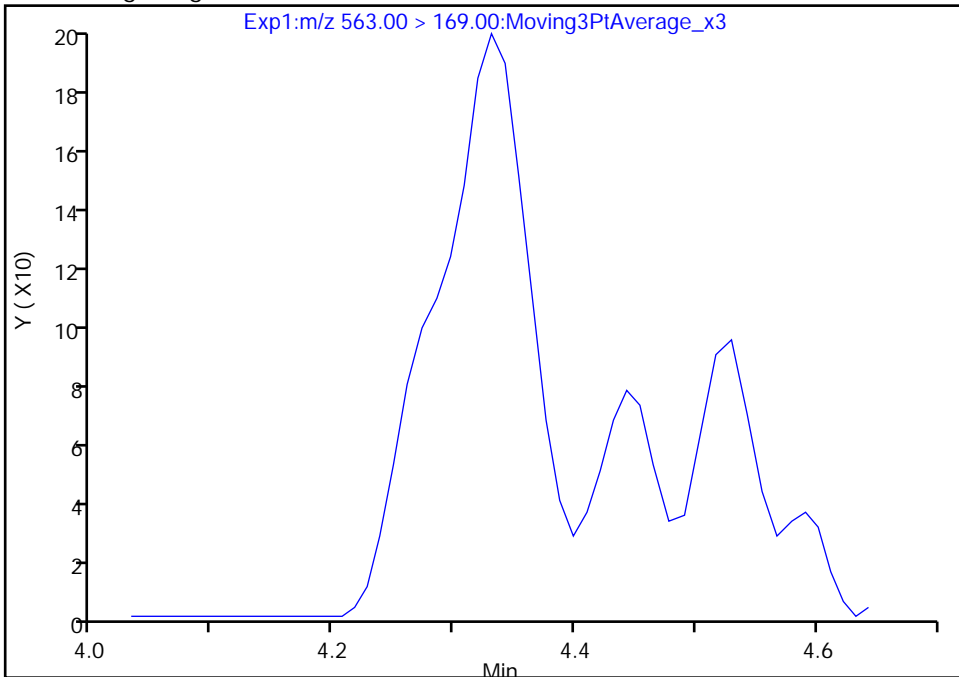
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A29.d
Injection Date: 08-Dec-2022 18:37:34 Instrument ID: LC812
Lims ID: 460-270515-A-6-A Lab Sample ID: 200-270515-6
Client ID: BCS-09-16_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

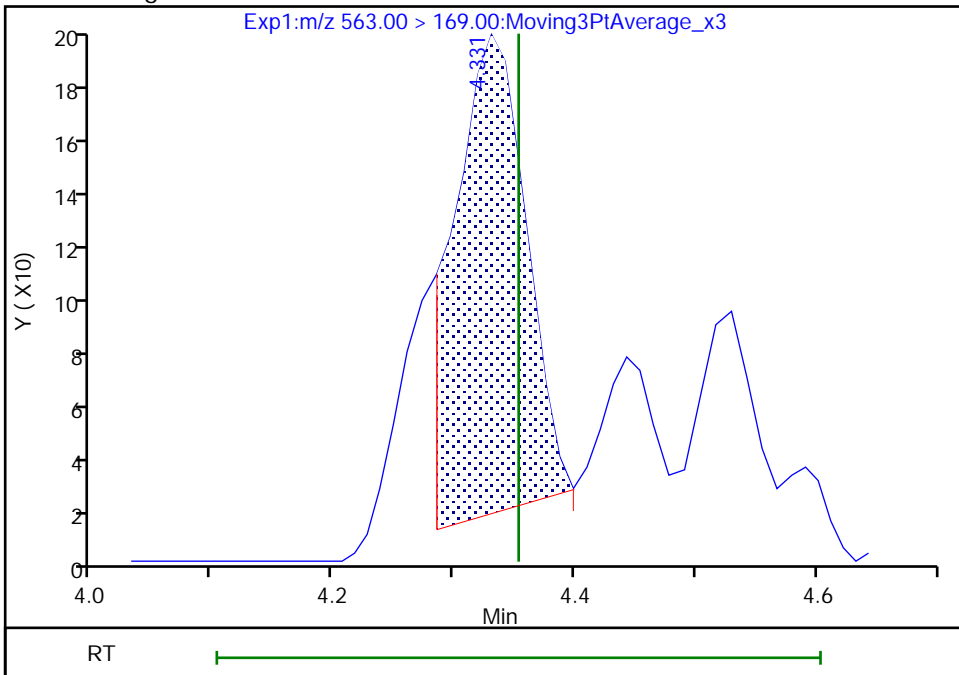
Not Detected
Expected RT: 4.35

Processing Integration Results



Manual Integration Results

RT: 4.33
Area: 720
Amount: 0.006708
Amount Units: ng/ml



Eurofins Burlington

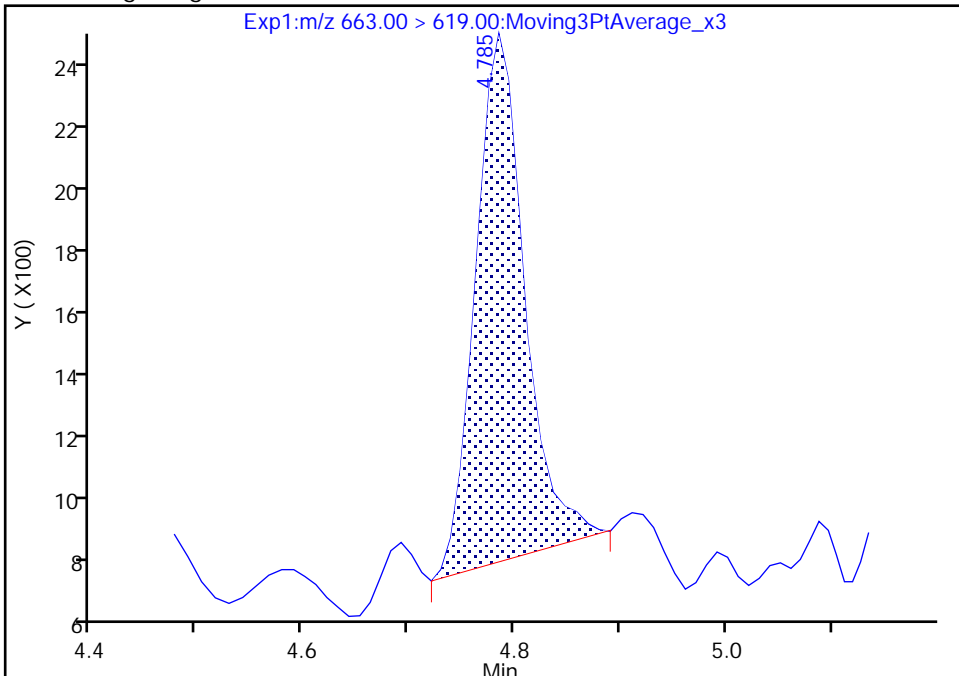
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A29.d
Injection Date: 08-Dec-2022 18:37:34 Instrument ID: LC812
Lims ID: 460-270515-A-6-A Lab Sample ID: 200-270515-6
Client ID: BCS-09-16_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

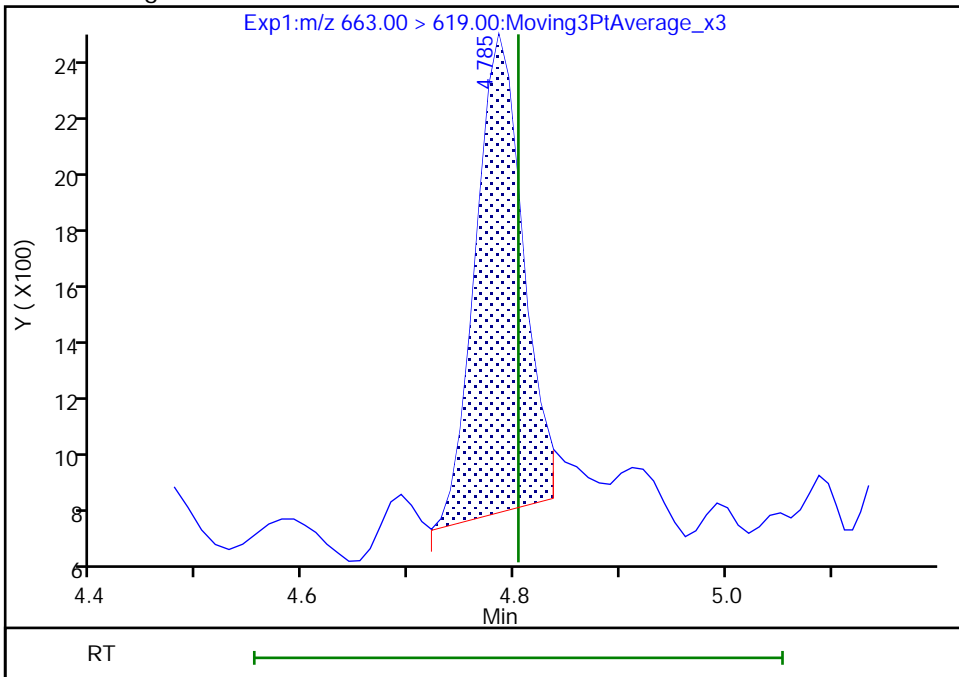
RT: 4.79
Area: 5517
Amount: 0.003224
Amount Units: ng/ml

Processing Integration Results



RT: 4.79
Area: 5272
Amount: 0.003081
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:52:53
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

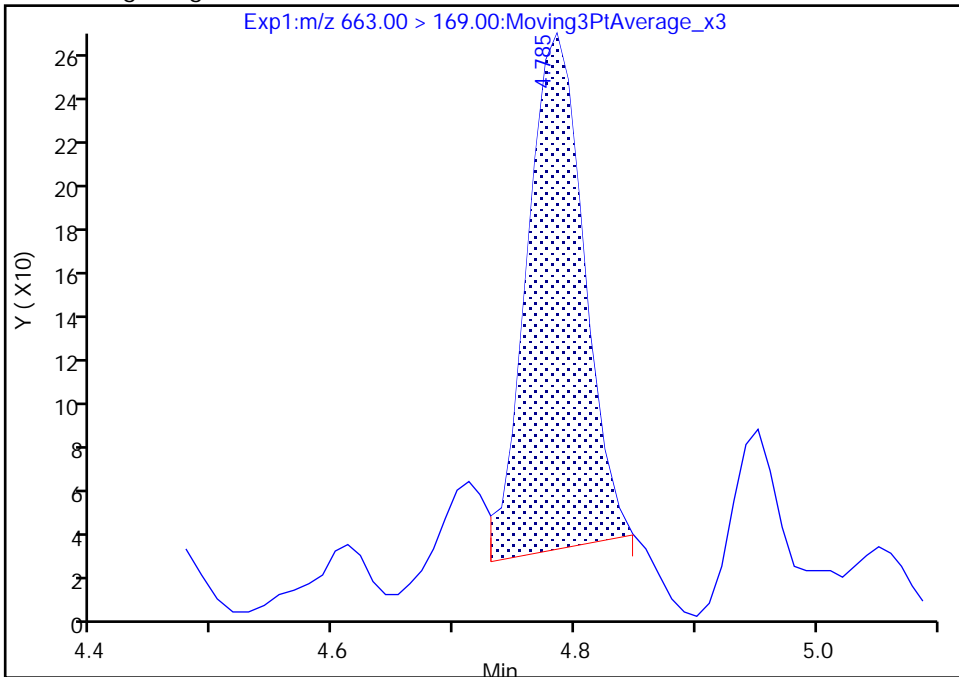
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A29.d
Injection Date: 08-Dec-2022 18:37:34 Instrument ID: LC812
Lims ID: 460-270515-A-6-A Lab Sample ID: 200-270515-6
Client ID: BCS-09-16_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

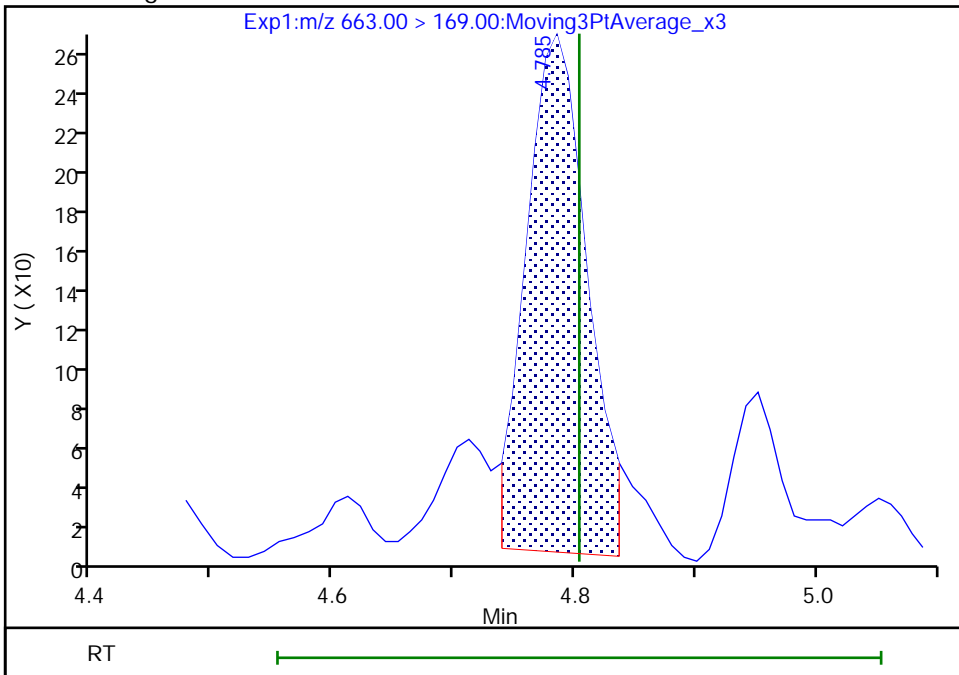
RT: 4.79
Area: 773
Amount: 0.003224
Amount Units: ng/ml

Processing Integration Results



RT: 4.79
Area: 910
Amount: 0.003081
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 17:52:56

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

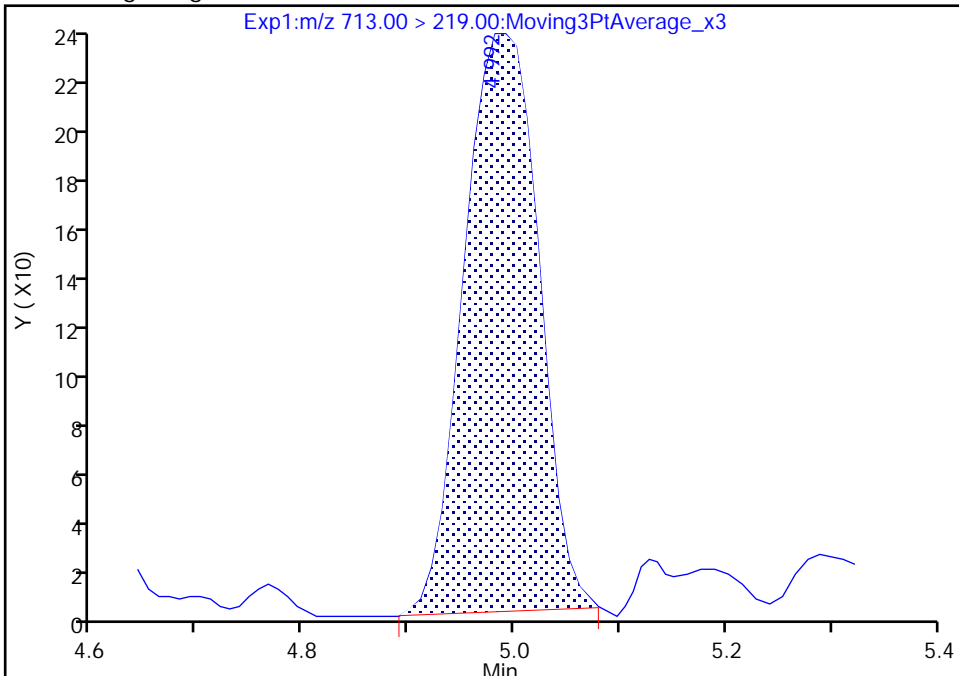
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A29.d
Injection Date: 08-Dec-2022 18:37:34 Instrument ID: LC812
Lims ID: 460-270515-A-6-A Lab Sample ID: 200-270515-6
Client ID: BCS-09-16_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

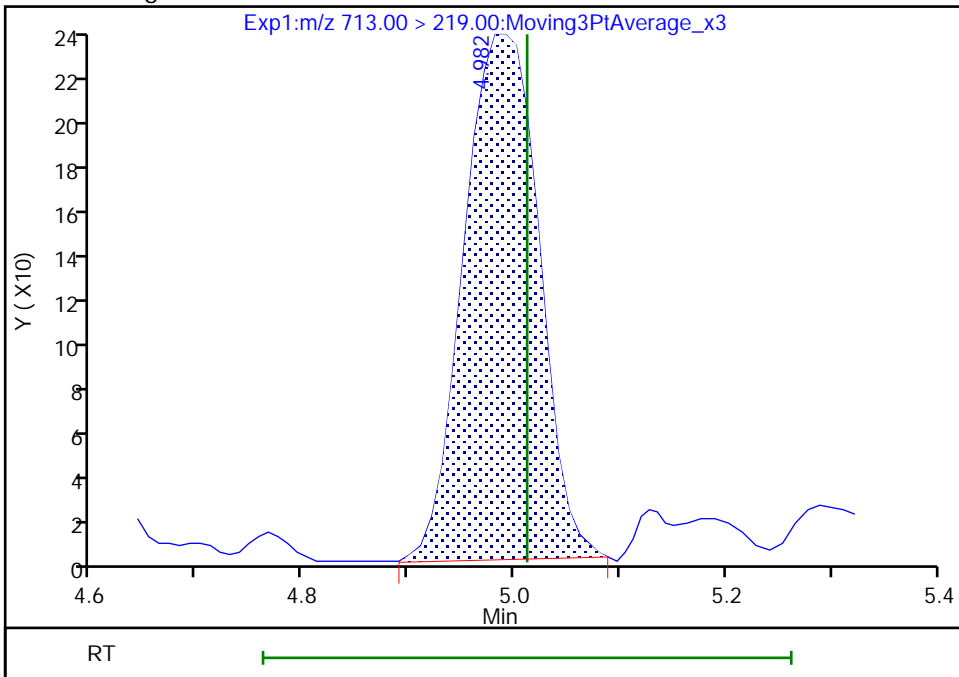
RT: 4.99
Area: 1145
Amount: 0.002859
Amount Units: ng/ml

Processing Integration Results



RT: 4.98
Area: 1157
Amount: 0.003205
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:53:10
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

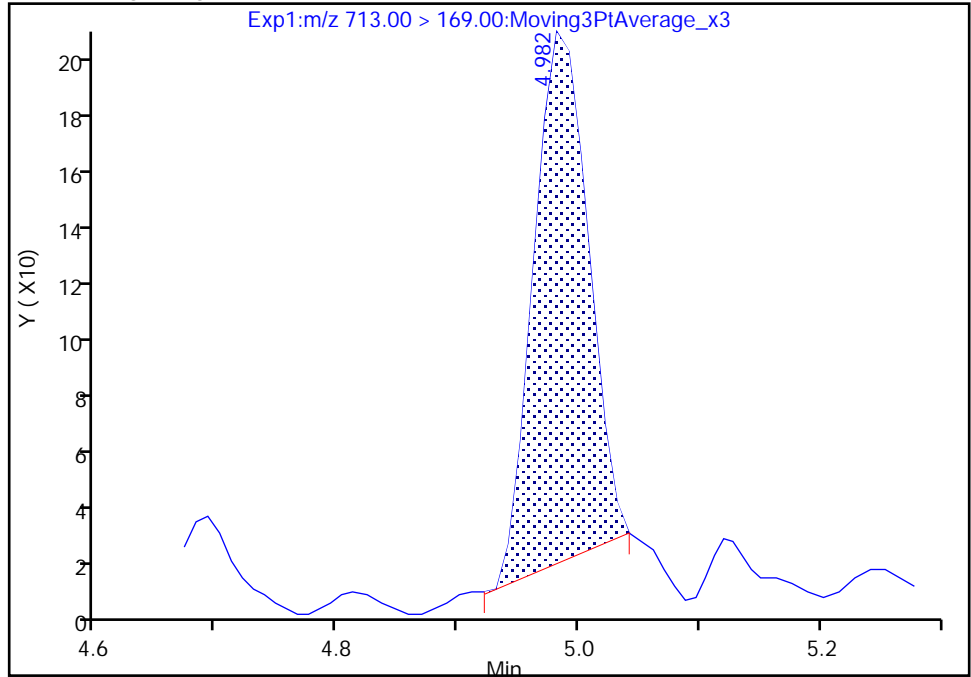
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A29.d
Injection Date: 08-Dec-2022 18:37:34 Instrument ID: LC812
Lims ID: 460-270515-A-6-A Lab Sample ID: 200-270515-6
Client ID: BCS-09-16_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

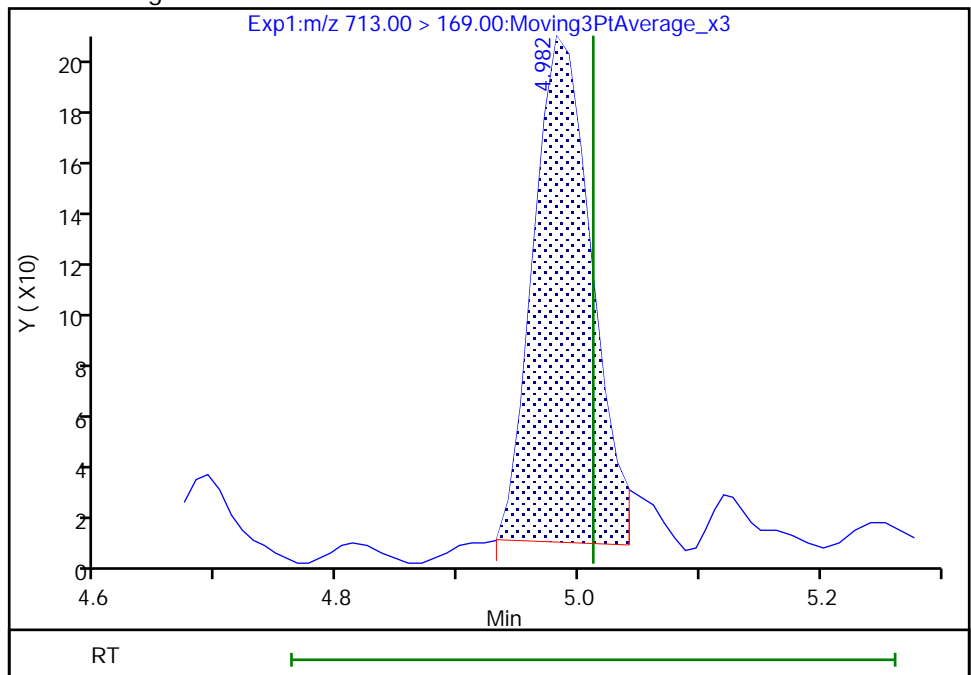
RT: 4.98
Area: 594
Amount: 0.002859
Amount Units: ng/ml

Processing Integration Results



RT: 4.98
Area: 666
Amount: 0.003205
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:53:14

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

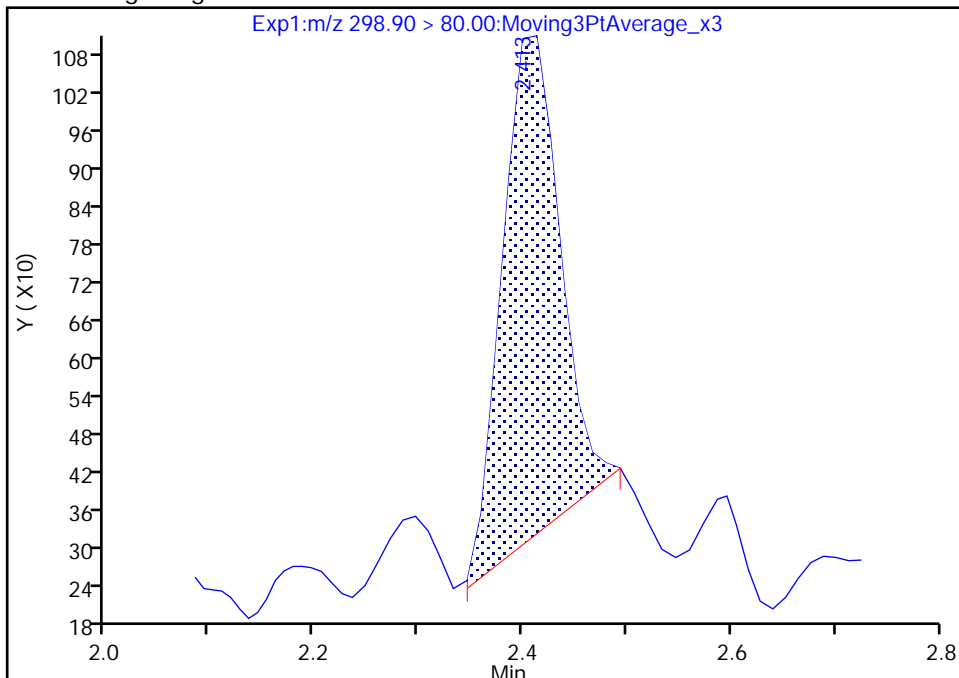
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A29.d
Injection Date: 08-Dec-2022 18:37:34 Instrument ID: LC812
Lims ID: 460-270515-A-6-A Lab Sample ID: 200-270515-6
Client ID: BCS-09-16_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

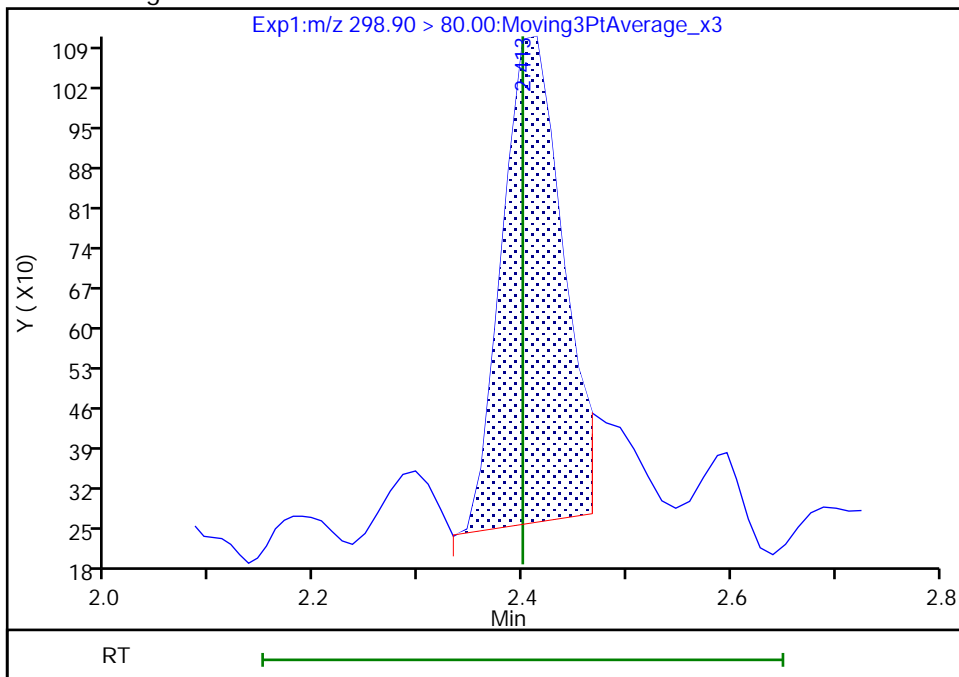
RT: 2.41
Area: 3058
Amount: 0.001715
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 3415
Amount: 0.001915
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:48:37
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

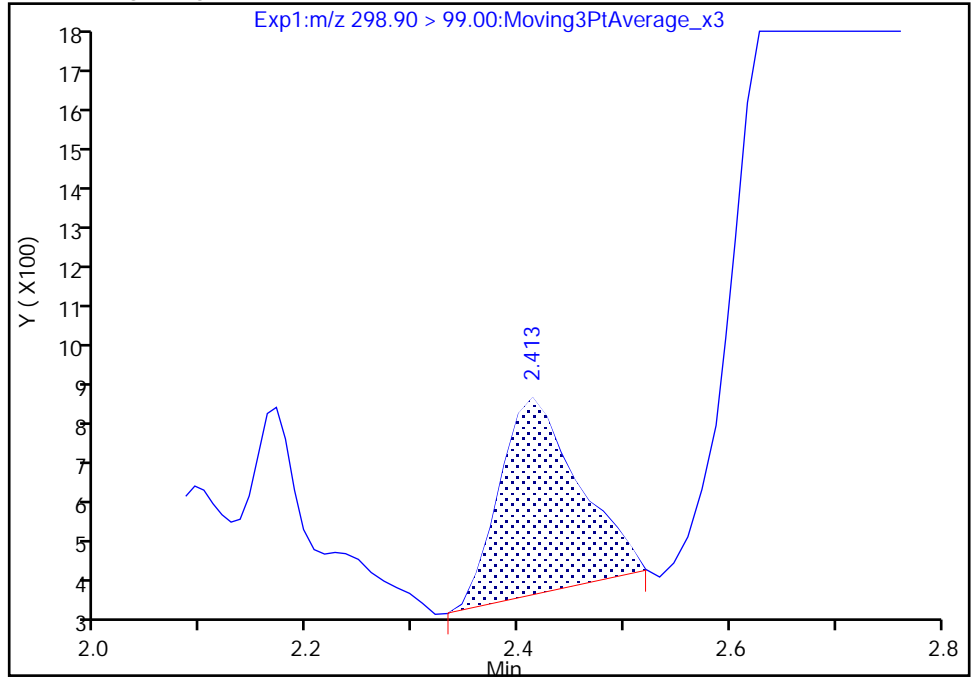
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A29.d
Injection Date: 08-Dec-2022 18:37:34 Instrument ID: LC812
Lims ID: 460-270515-A-6-A Lab Sample ID: 200-270515-6
Client ID: BCS-09-16_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

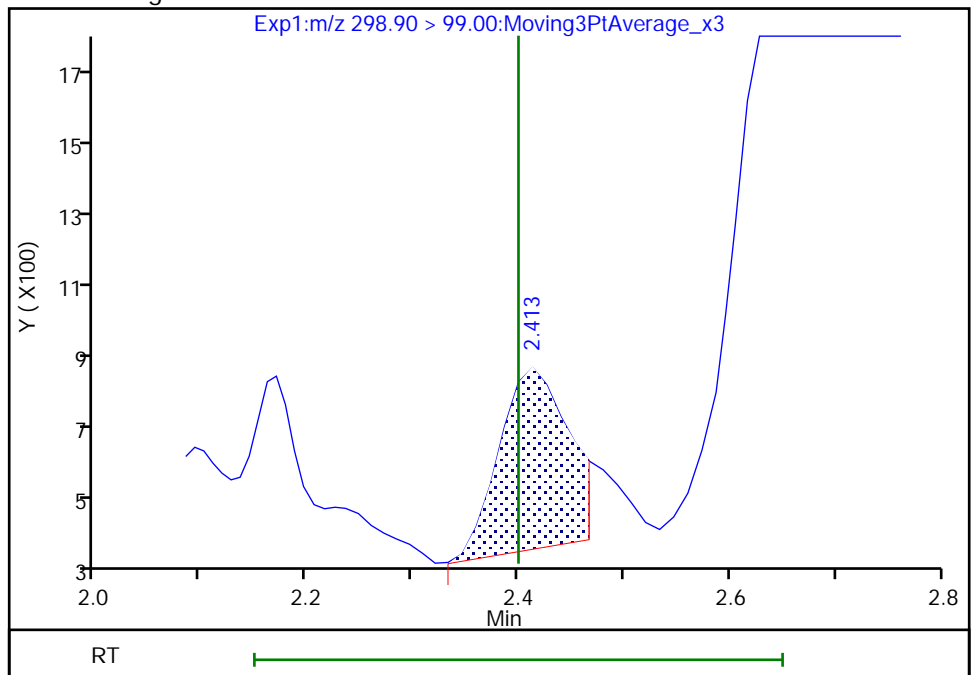
RT: 2.41
Area: 2496
Amount: 0.001715
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 2203
Amount: 0.001915
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:48:40

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

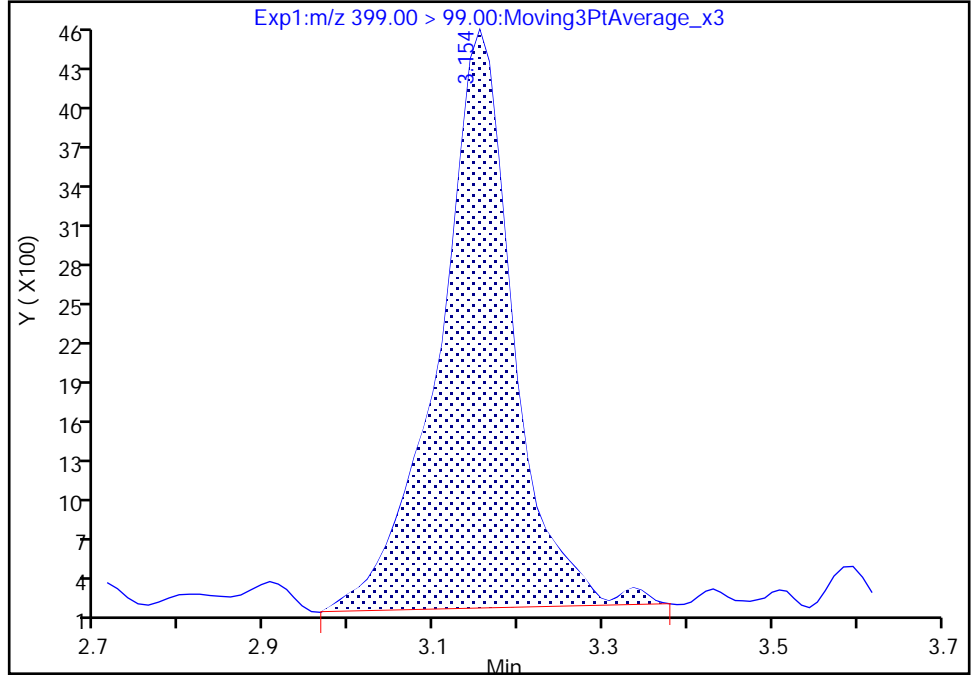
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A29.d
Injection Date: 08-Dec-2022 18:37:34 Instrument ID: LC812
Lims ID: 460-270515-A-6-A Lab Sample ID: 200-270515-6
Client ID: BCS-09-16_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

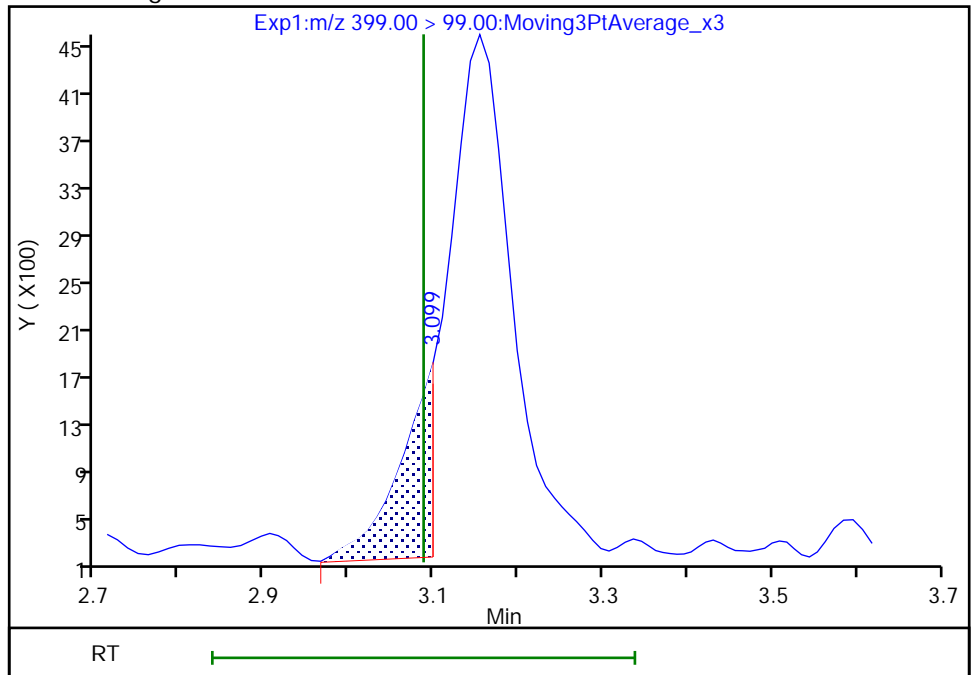
RT: 3.15
Area: 26980
Amount: 0.008387
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 4267
Amount: 0.007873
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:49:03
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

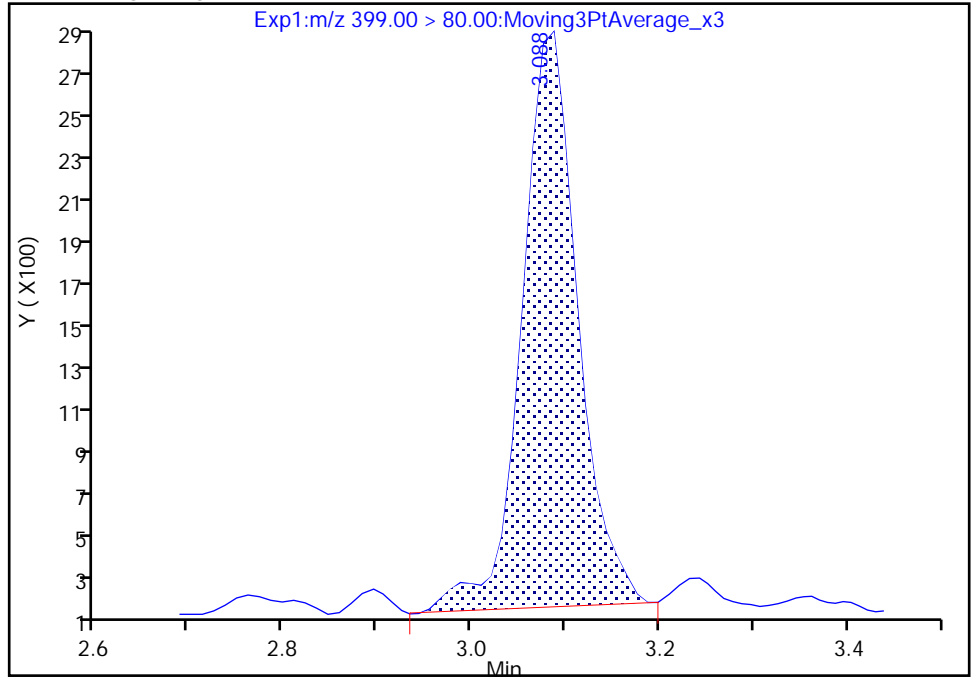
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A29.d
Injection Date: 08-Dec-2022 18:37:34 Instrument ID: LC812
Lims ID: 460-270515-A-6-A Lab Sample ID: 200-270515-6
Client ID: BCS-09-16_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

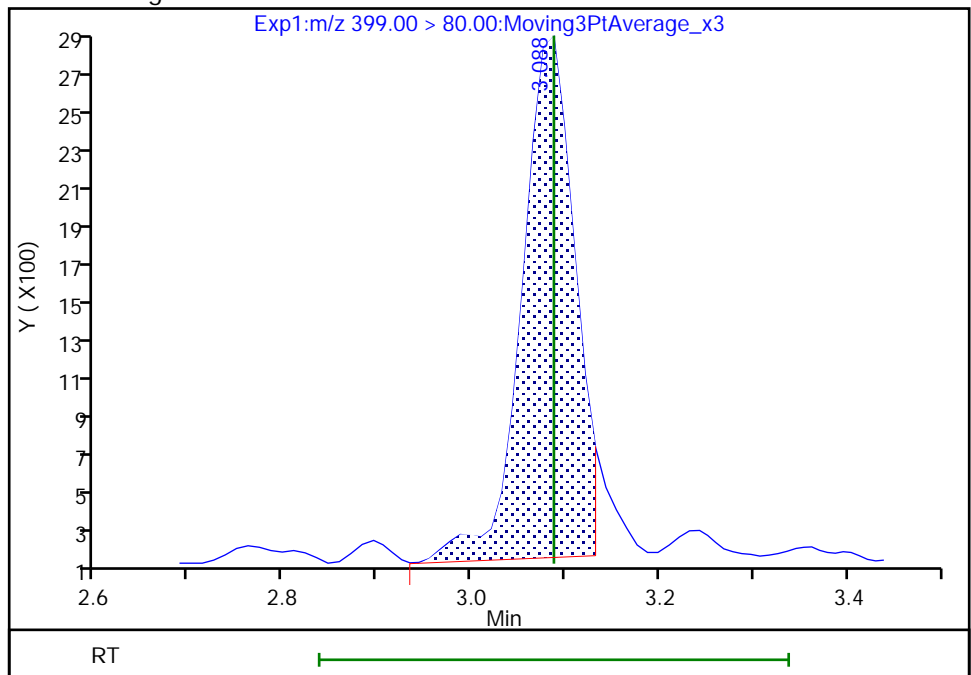
RT: 3.09
Area: 11257
Amount: 0.008387
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 10566
Amount: 0.007873
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:49:06

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

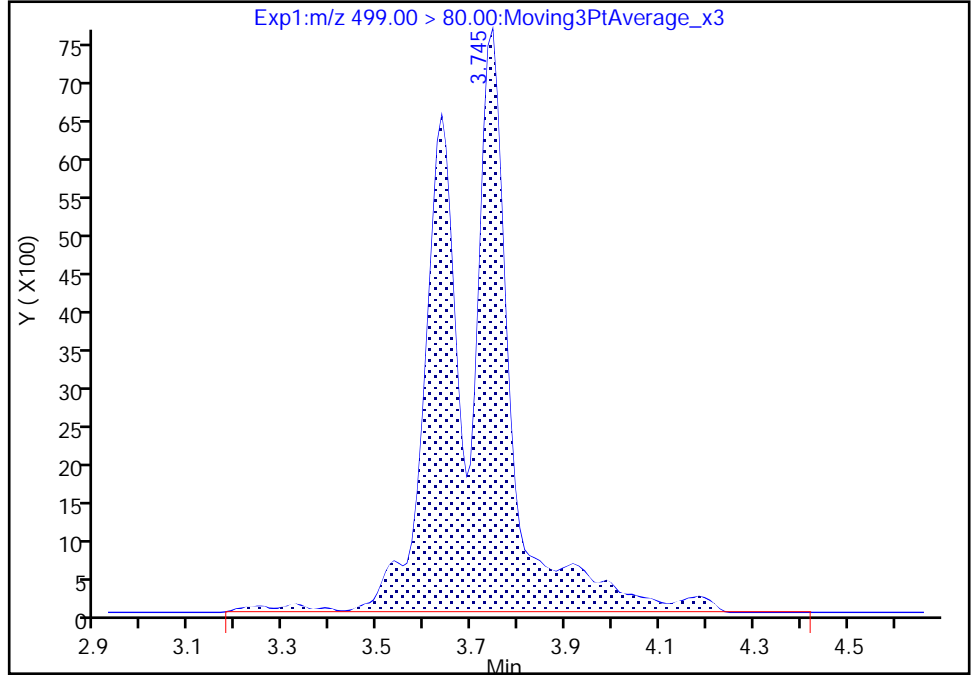
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A29.d
Injection Date: 08-Dec-2022 18:37:34 Instrument ID: LC812
Lims ID: 460-270515-A-6-A Lab Sample ID: 200-270515-6
Client ID: BCS-09-16_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

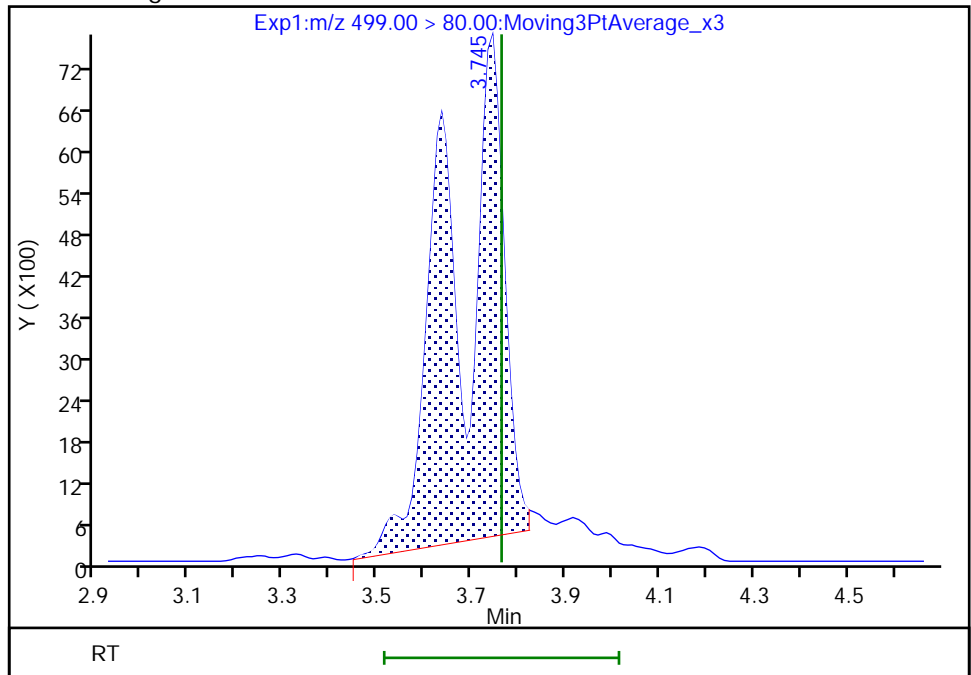
RT: 3.74
Area: 69794
Amount: 0.072064
Amount Units: ng/ml

Processing Integration Results



RT: 3.74
Area: 55166
Amount: 0.056960
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:50:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

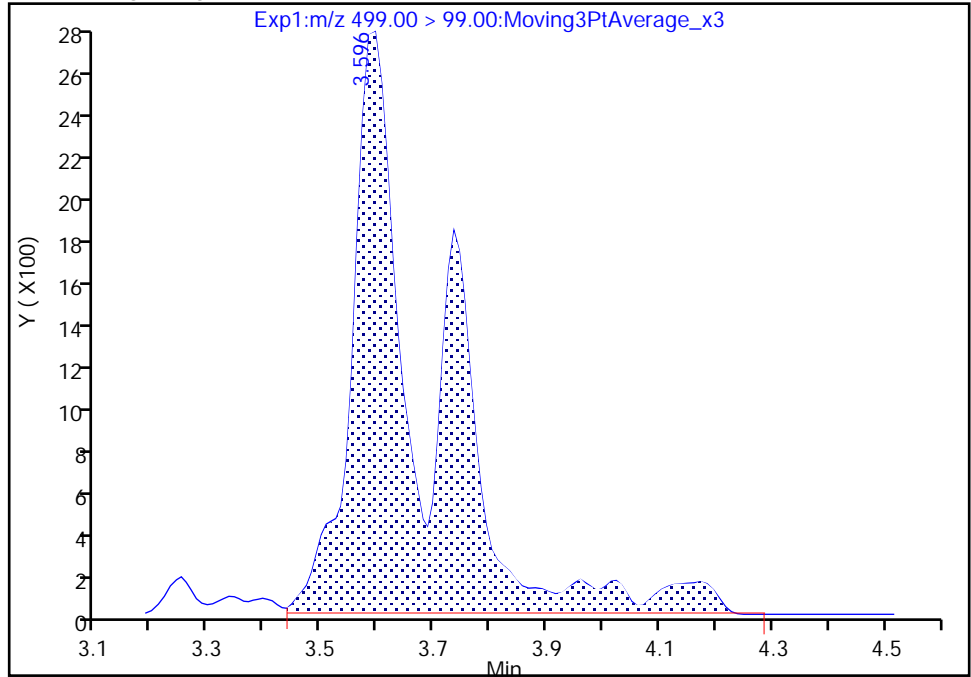
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A29.d
Injection Date: 08-Dec-2022 18:37:34 Instrument ID: LC812
Lims ID: 460-270515-A-6-A Lab Sample ID: 200-270515-6
Client ID: BCS-09-16_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

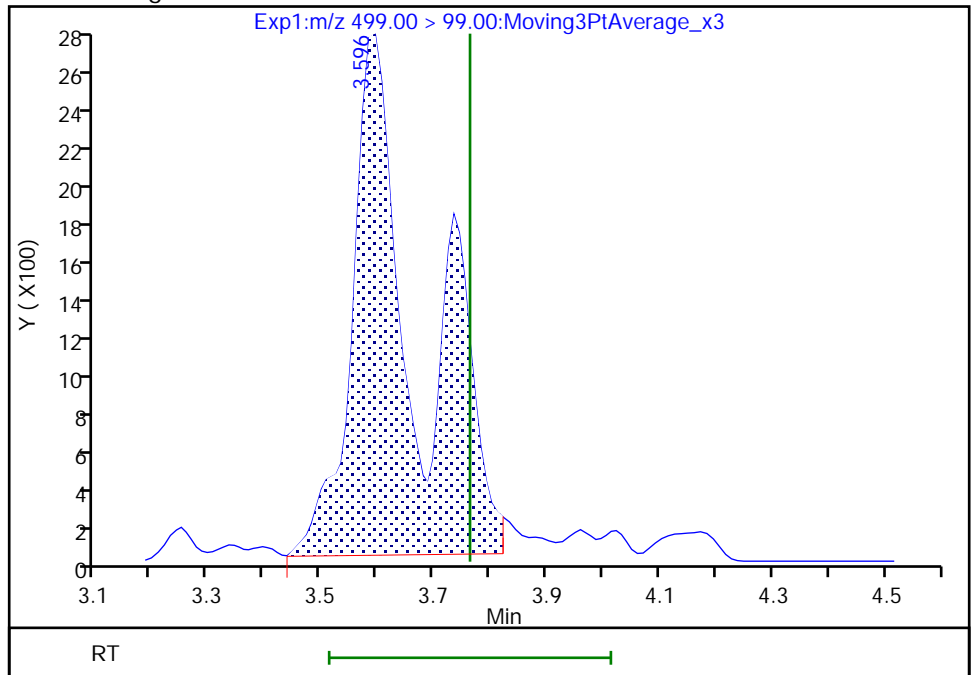
RT: 3.60
Area: 25717
Amount: 0.072064
Amount Units: ng/ml

Processing Integration Results



RT: 3.60
Area: 22069
Amount: 0.056960
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 13-Dec-2022 09:01:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

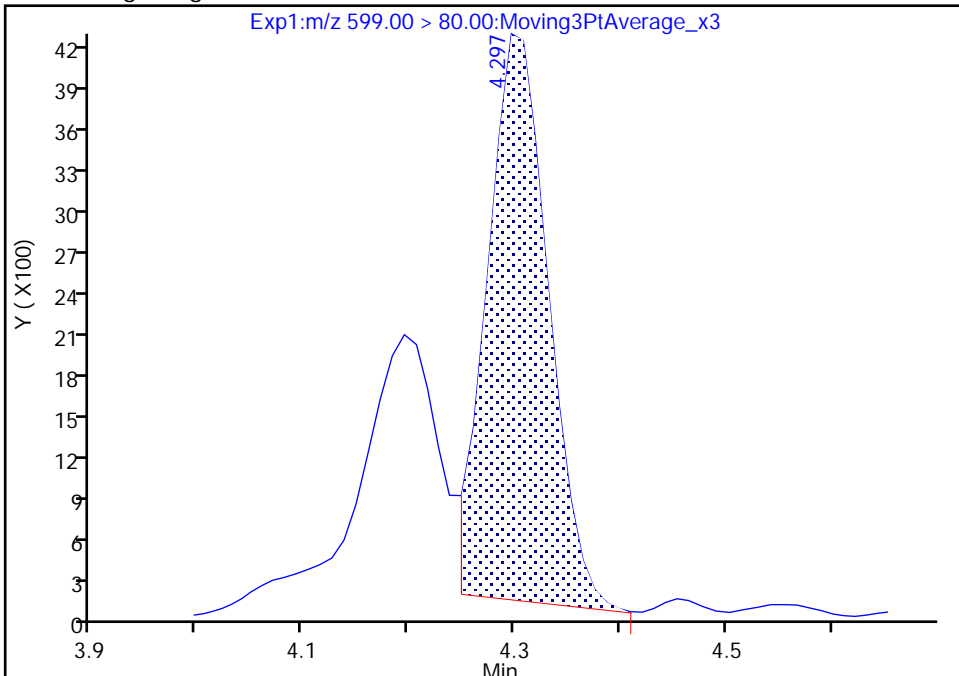
Data File:	\\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A29.d		
Injection Date:	08-Dec-2022 18:37:34	Instrument ID:	LC812
Lims ID:	460-270515-A-6-A	Lab Sample ID:	200-270515-6
Client ID:	BCS-09-16_(5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	26 Worklist Smp#: 29
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

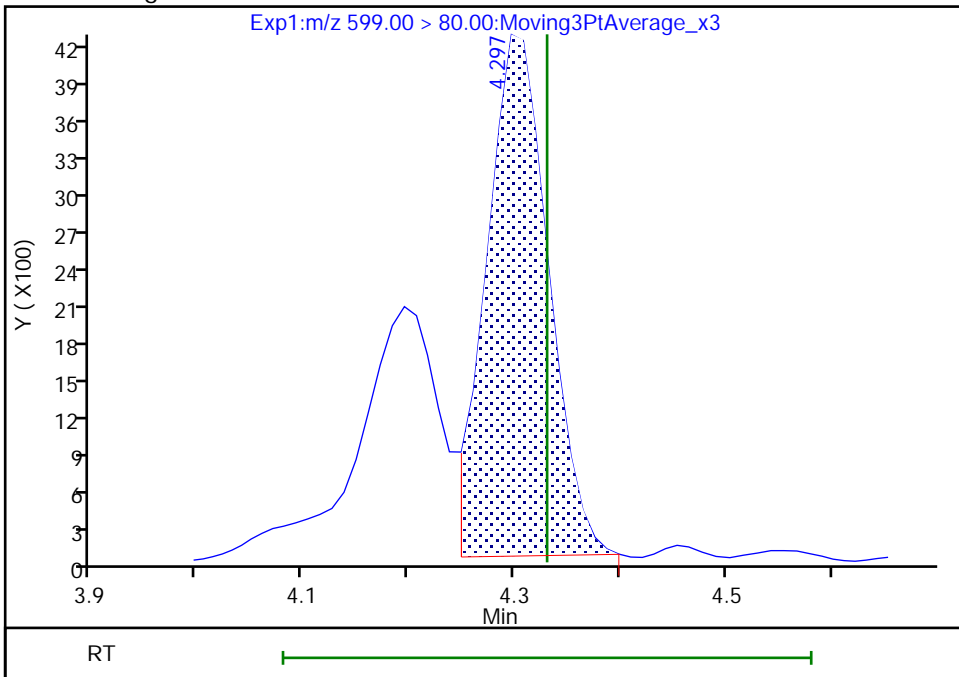
RT: 4.30
 Area: 16642
 Amount: 0.028833
 Amount Units: ng/ml

Processing Integration Results



RT: 4.30
 Area: 17072
 Amount: 0.029578
 Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:51:42
 Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

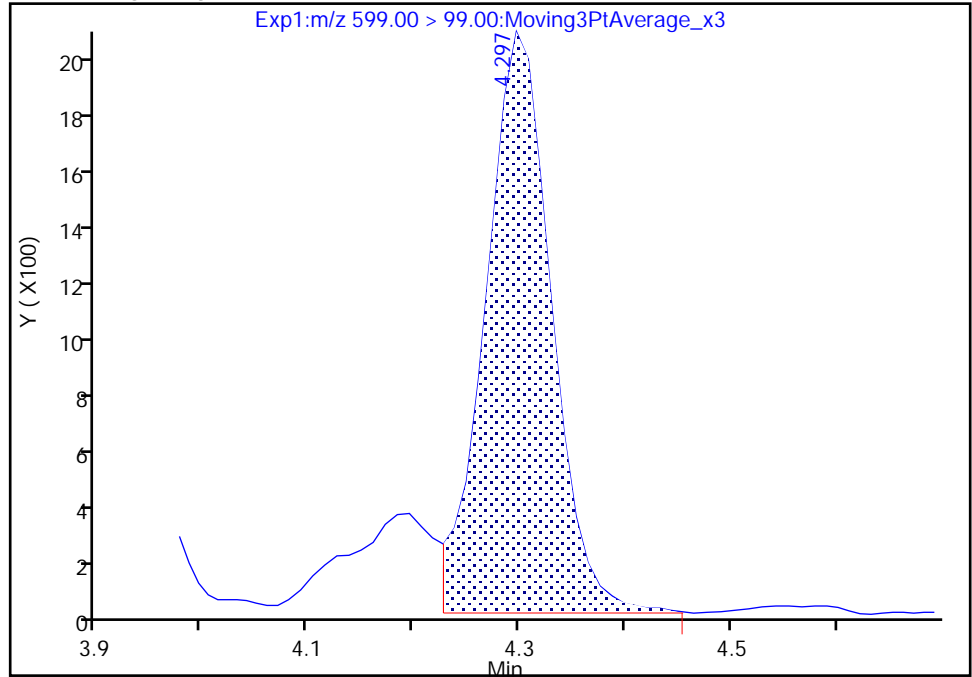
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A29.d
Injection Date: 08-Dec-2022 18:37:34 Instrument ID: LC812
Lims ID: 460-270515-A-6-A Lab Sample ID: 200-270515-6
Client ID: BCS-09-16_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

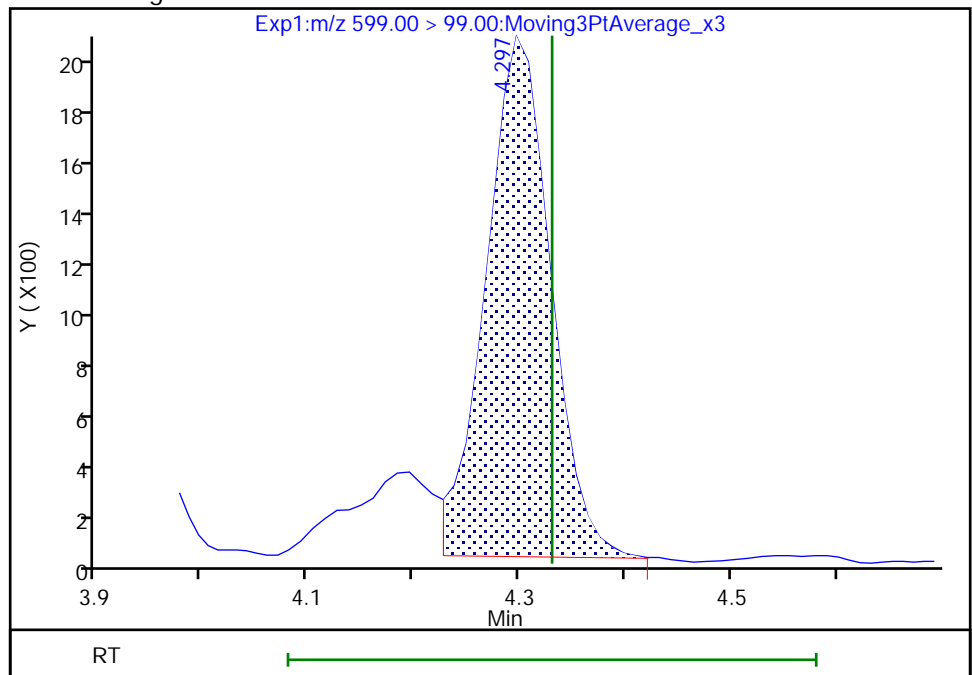
RT: 4.30
Area: 8743
Amount: 0.028833
Amount Units: ng/ml

Processing Integration Results



RT: 4.30
Area: 8533
Amount: 0.029578
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 17:51:44

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

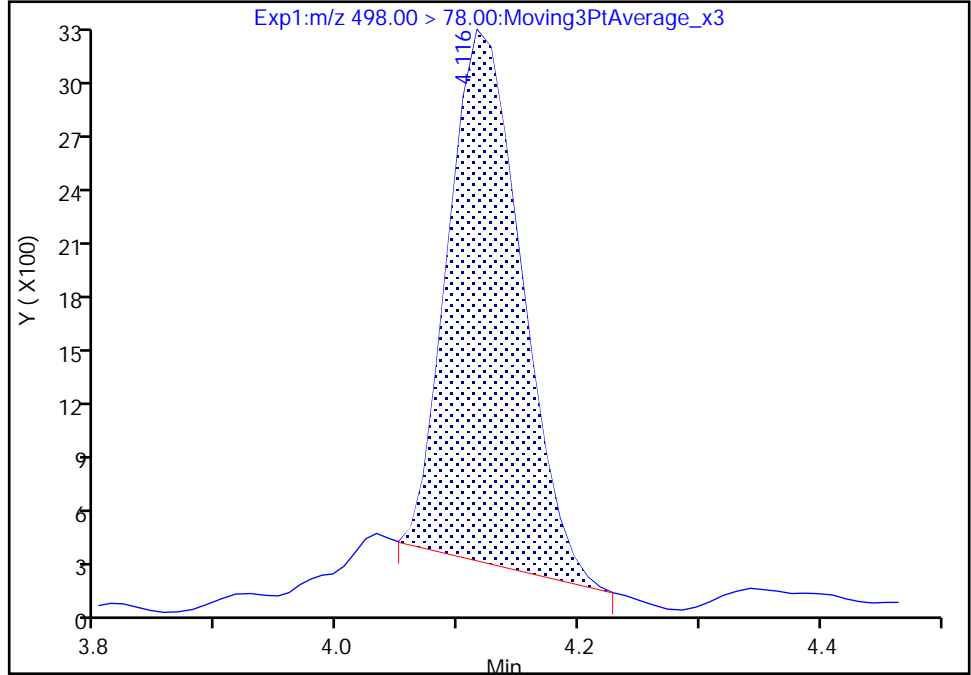
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A29.d
Injection Date: 08-Dec-2022 18:37:34 Instrument ID: LC812
Lims ID: 460-270515-A-6-A Lab Sample ID: 200-270515-6
Client ID: BCS-09-16_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

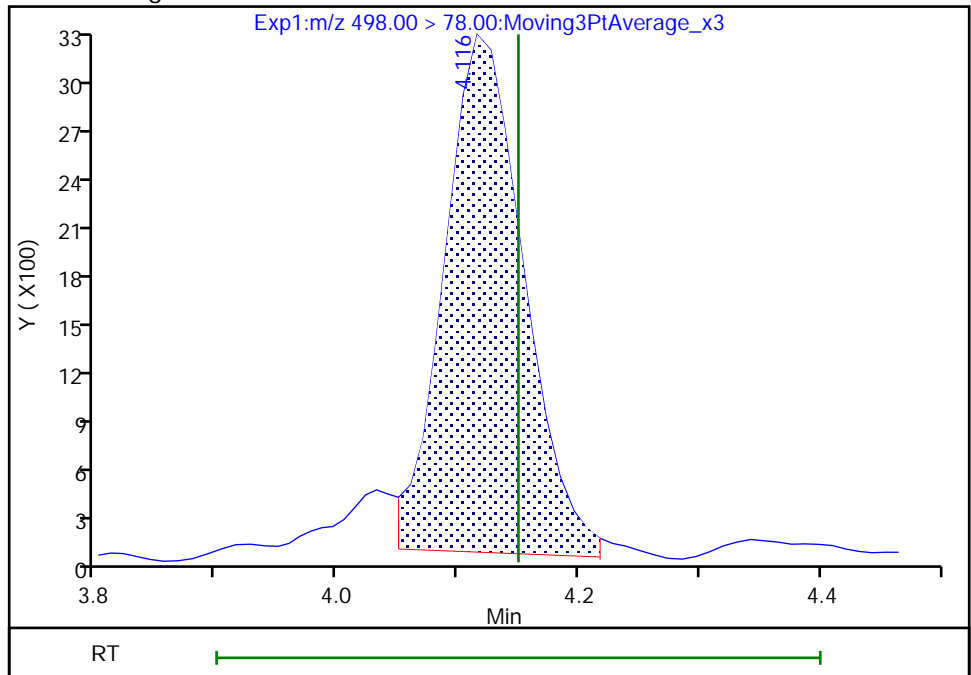
RT: 4.12
Area: 12414
Amount: 0.008566
Amount Units: ng/ml

Processing Integration Results



RT: 4.12
Area: 14484
Amount: 0.009994
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:51:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

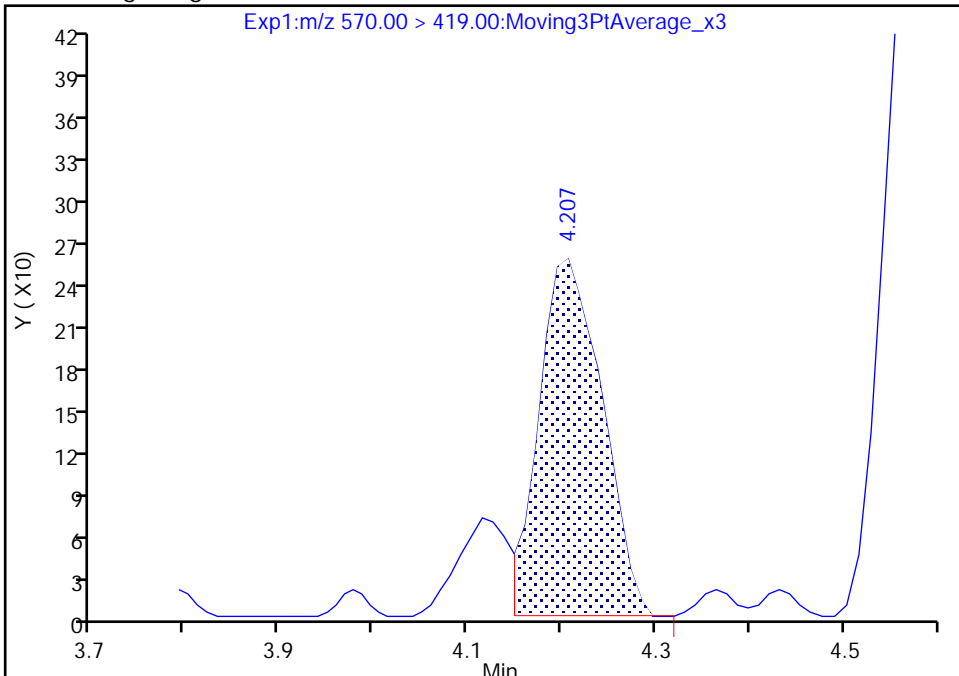
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A29.d
Injection Date: 08-Dec-2022 18:37:34 Instrument ID: LC812
Lims ID: 460-270515-A-6-A Lab Sample ID: 200-270515-6
Client ID: BCS-09-16_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

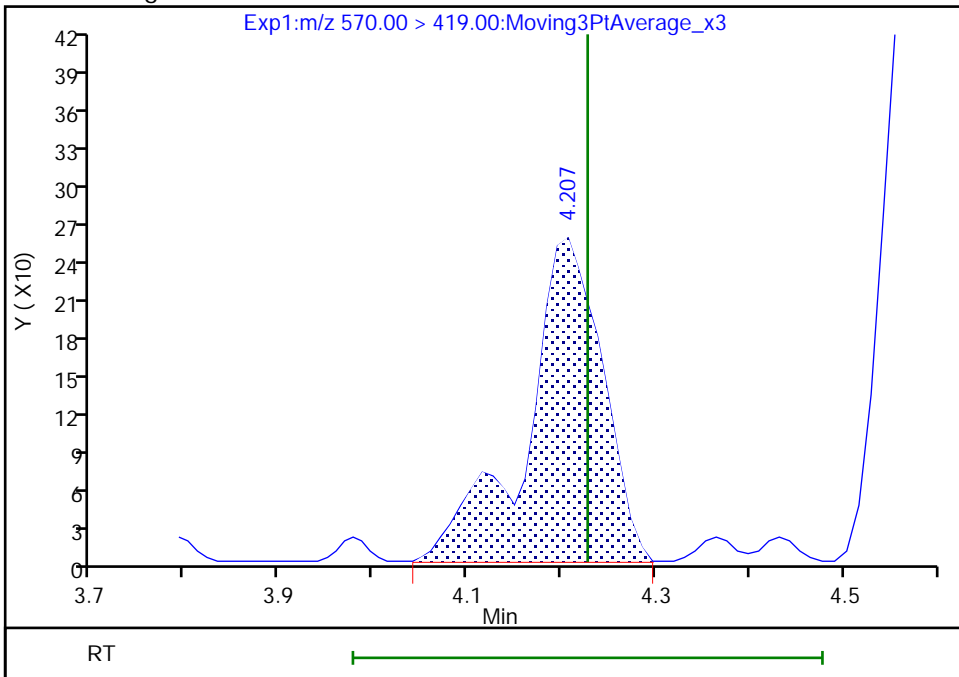
RT: 4.21
Area: 1182
Amount: -0.007907
Amount Units: ng/ml

Processing Integration Results



RT: 4.21
Area: 1437
Amount: -0.007105
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:51:23
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

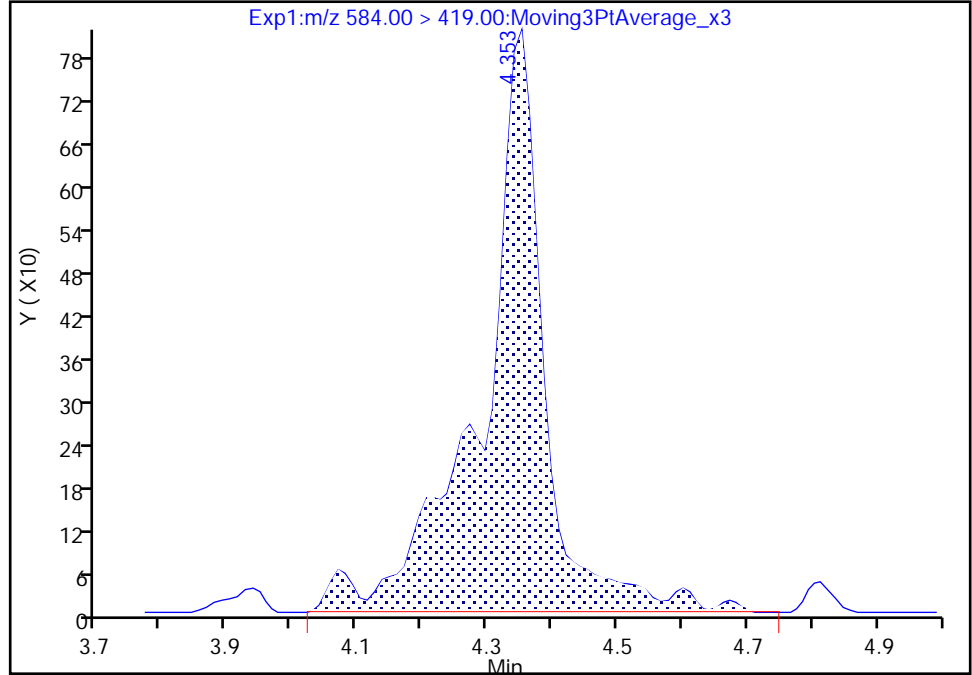
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A29.d
Injection Date: 08-Dec-2022 18:37:34 Instrument ID: LC812
Lims ID: 460-270515-A-6-A Lab Sample ID: 200-270515-6
Client ID: BCS-09-16_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

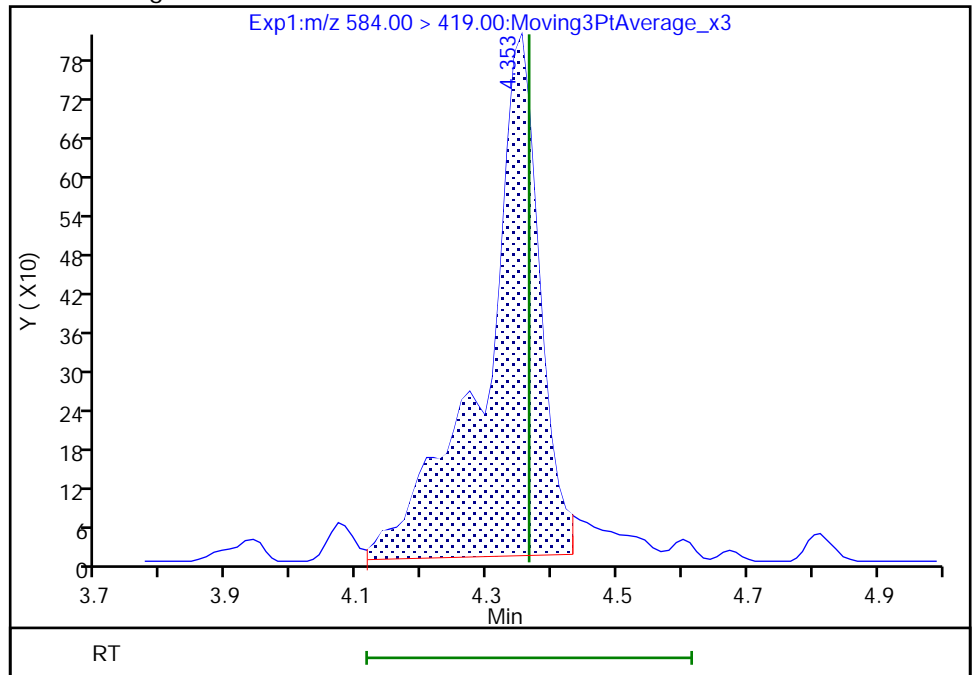
RT: 4.35
Area: 5589
Amount: 0.016502
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 4815
Amount: 0.014216
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:52:39
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

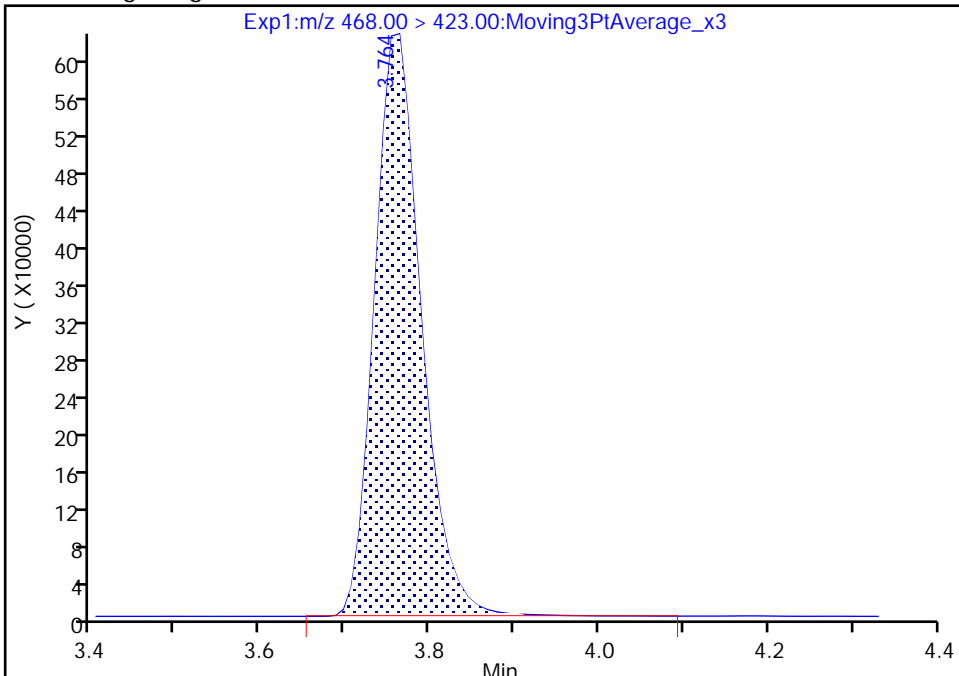
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A29.d
Injection Date: 08-Dec-2022 18:37:34 Instrument ID: LC812
Lims ID: 460-270515-A-6-A Lab Sample ID: 200-270515-6
Client ID: BCS-09-16_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

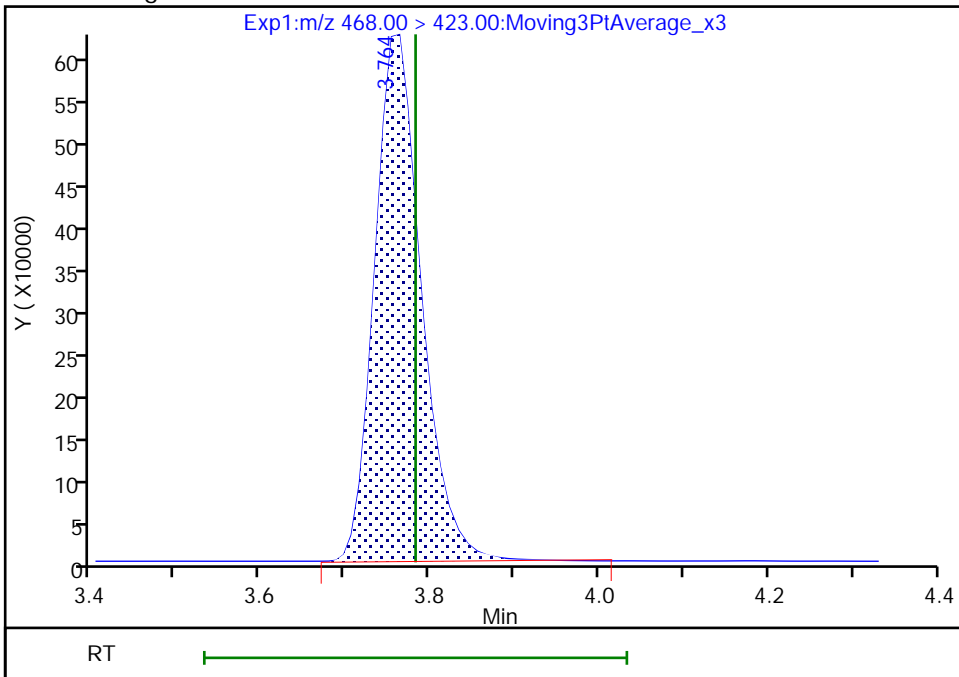
RT: 3.76
Area: 2389703
Amount: 1.193363
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 2383406
Amount: 1.190219
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:47:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

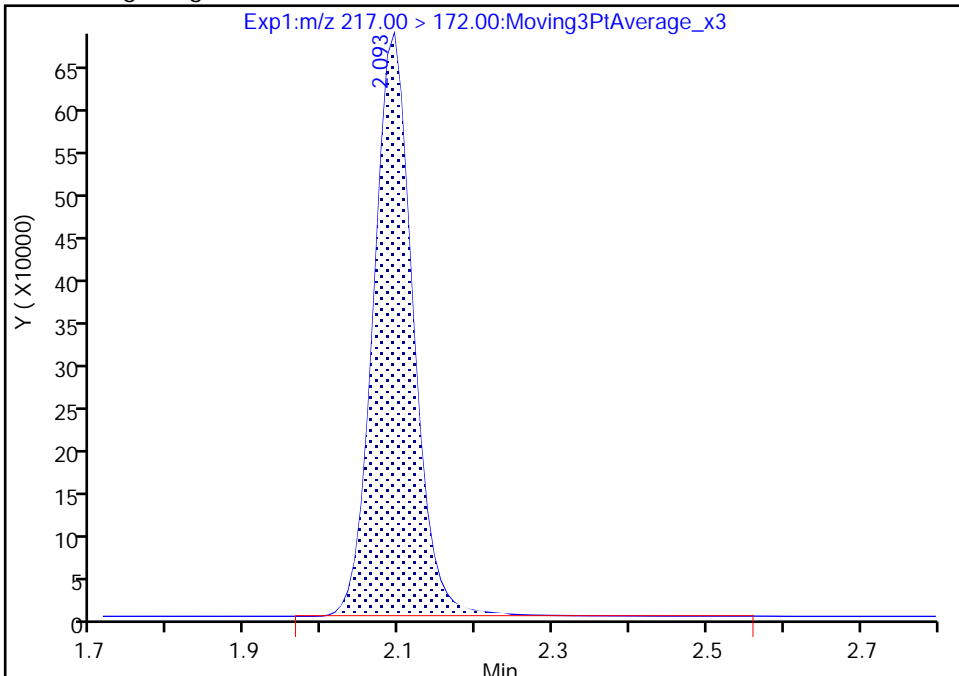
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A29.d
Injection Date: 08-Dec-2022 18:37:34 Instrument ID: LC812
Lims ID: 460-270515-A-6-A Lab Sample ID: 200-270515-6
Client ID: BCS-09-16_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

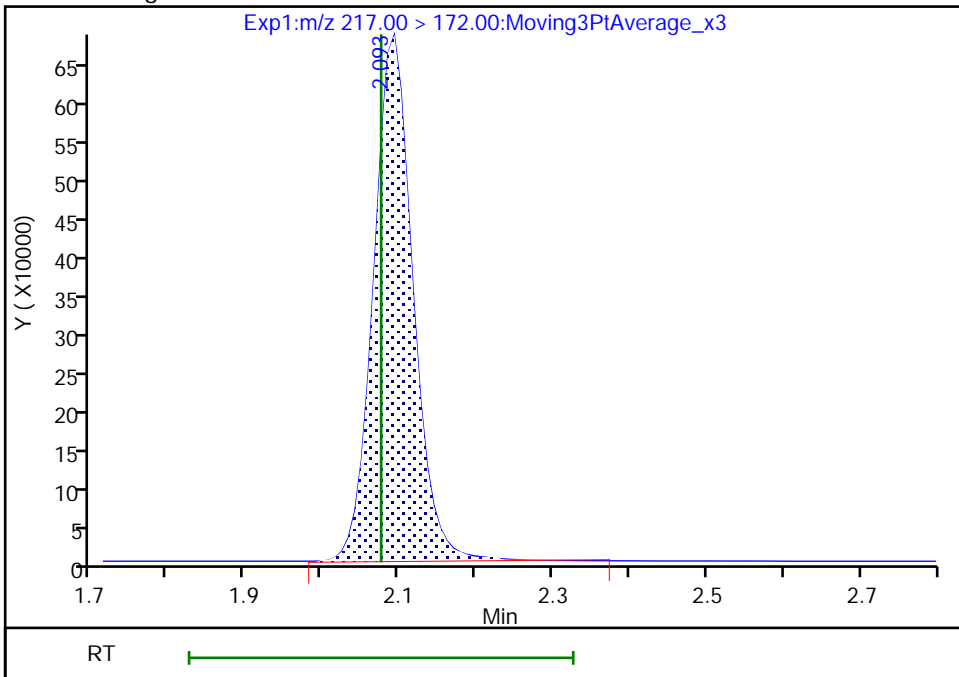
RT: 2.09
Area: 2435352
Amount: 1.090511
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 2429133
Amount: 1.087726
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:46:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

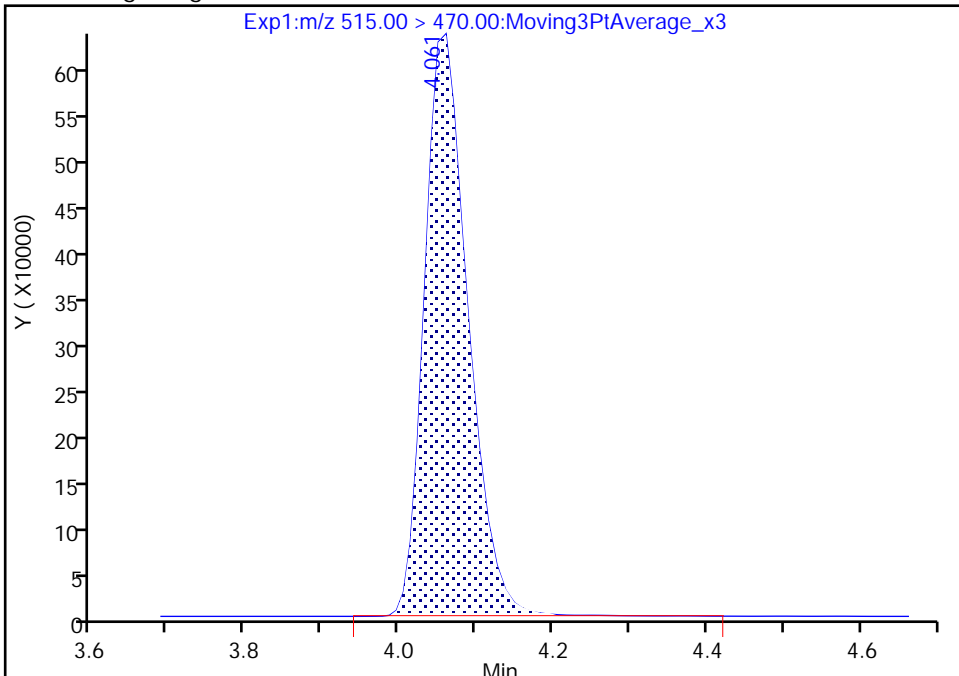
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A29.d
Injection Date: 08-Dec-2022 18:37:34 Instrument ID: LC812
Lims ID: 460-270515-A-6-A Lab Sample ID: 200-270515-6
Client ID: BCS-09-16_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

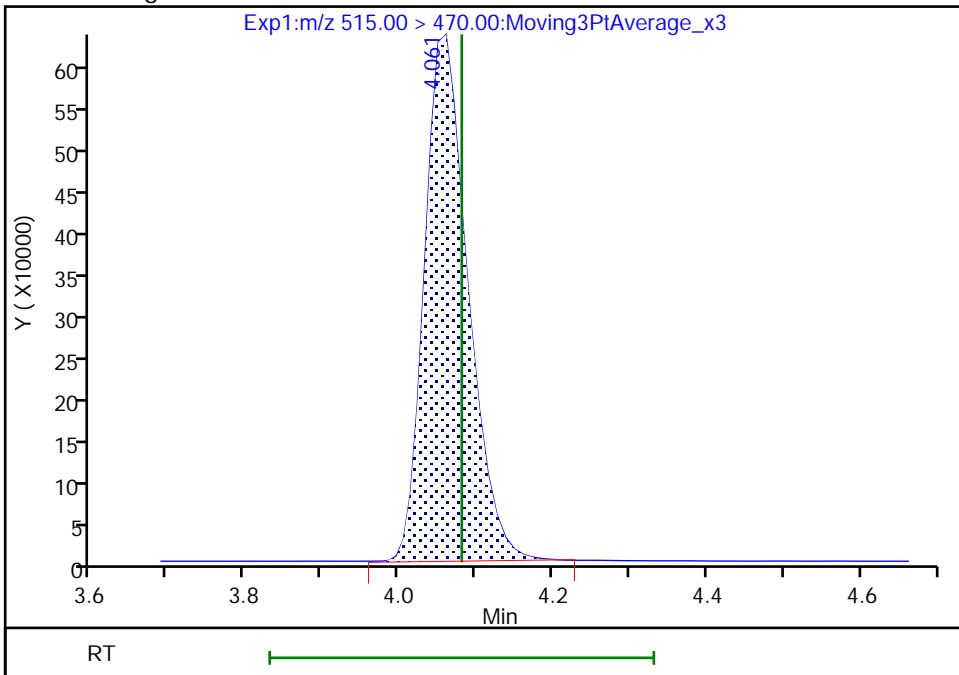
RT: 4.06
Area: 2508308
Amount: 1.229206
Amount Units: ng/ml

Processing Integration Results



RT: 4.06
Area: 2499953
Amount: 1.225111
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:47:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

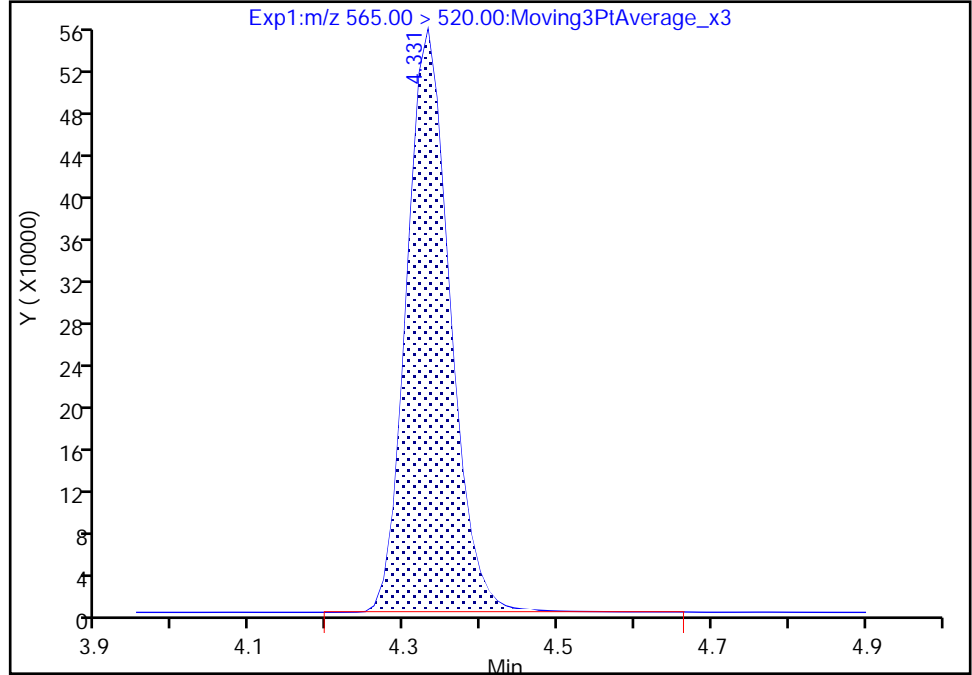
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A29.d
Injection Date: 08-Dec-2022 18:37:34 Instrument ID: LC812
Lims ID: 460-270515-A-6-A Lab Sample ID: 200-270515-6
Client ID: BCS-09-16_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997
Signal: 1

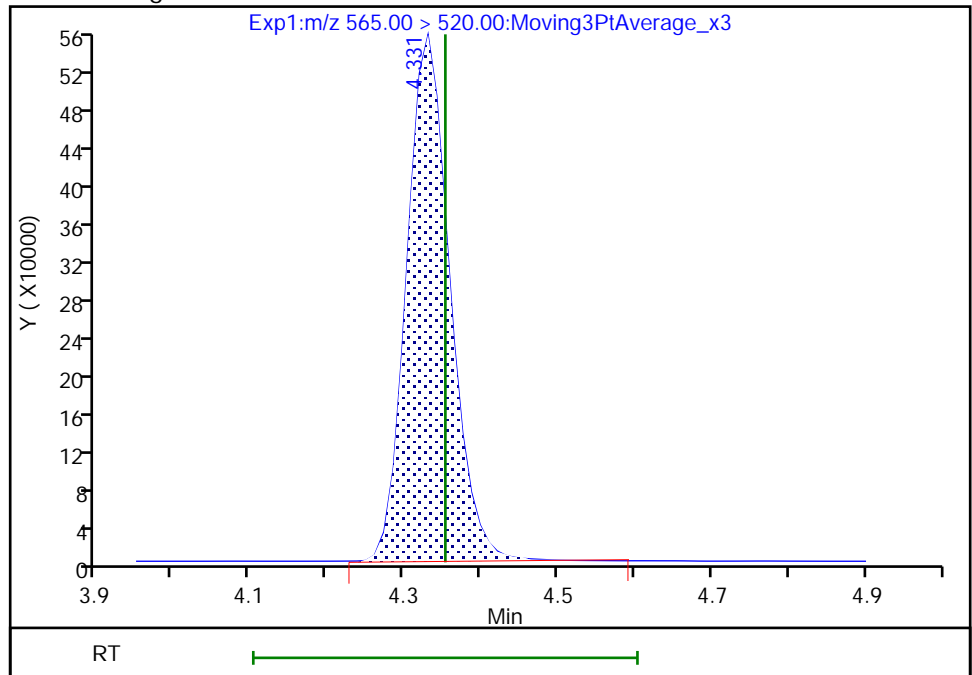
RT: 4.33
Area: 2188651
Amount: 1.171299
Amount Units: ng/ml

Processing Integration Results



RT: 4.33
Area: 2185406
Amount: 1.169562
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:47:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

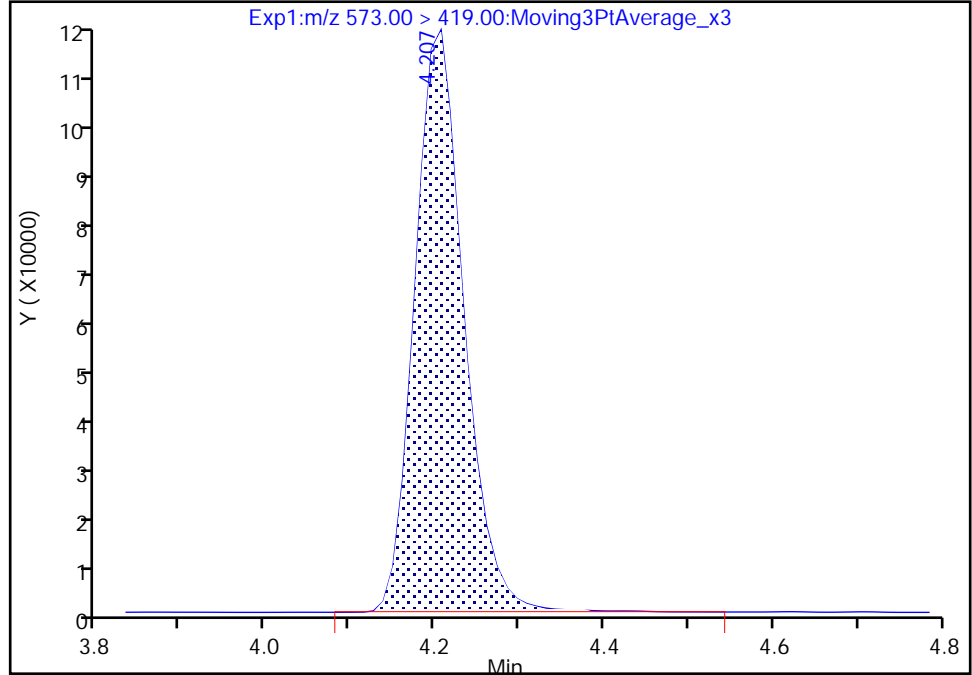
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A29.d
Injection Date: 08-Dec-2022 18:37:34 Instrument ID: LC812
Lims ID: 460-270515-A-6-A Lab Sample ID: 200-270515-6
Client ID: BCS-09-16_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118
Signal: 1

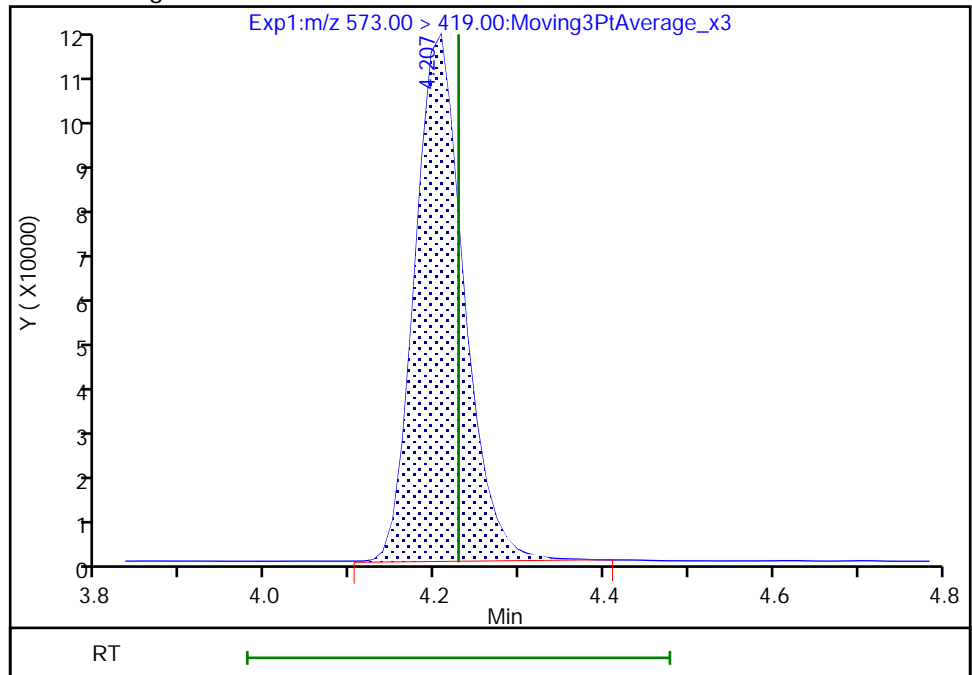
RT: 4.21
Area: 464507
Amount: 1.117989
Amount Units: ng/ml

Processing Integration Results



RT: 4.21
Area: 461750
Amount: 1.111353
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:47:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

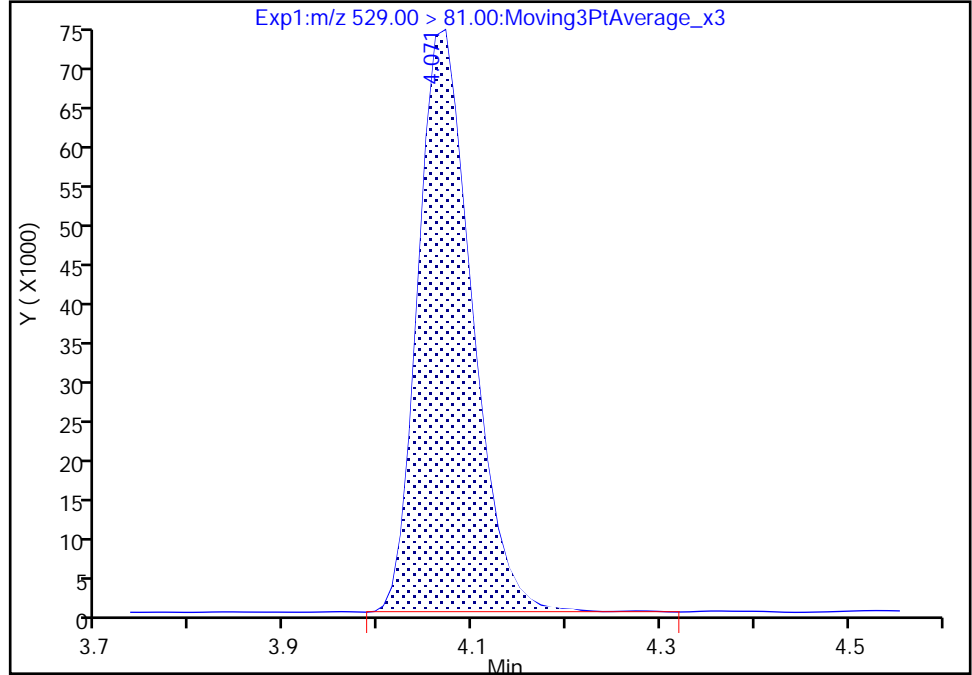
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A29.d
Injection Date: 08-Dec-2022 18:37:34 Instrument ID: LC812
Lims ID: 460-270515-A-6-A Lab Sample ID: 200-270515-6
Client ID: BCS-09-16_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 26 M2-8:2 FTS, CAS: STL02280
Signal: 1

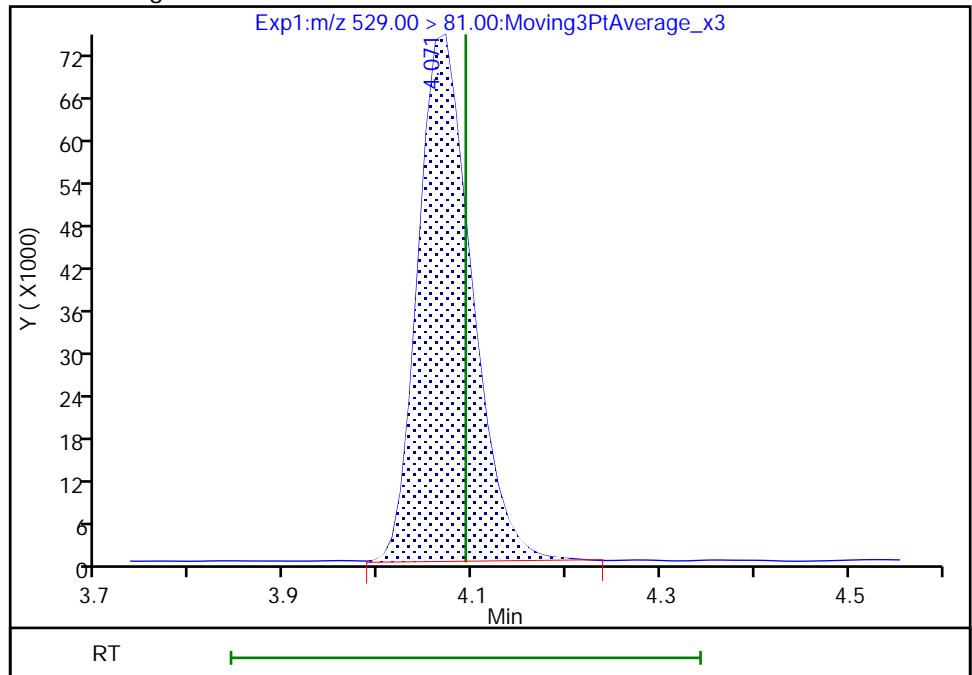
RT: 4.07
Area: 296704
Amount: 1.074617
Amount Units: ng/ml

Processing Integration Results



RT: 4.07
Area: 296300
Amount: 1.073154
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:47:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

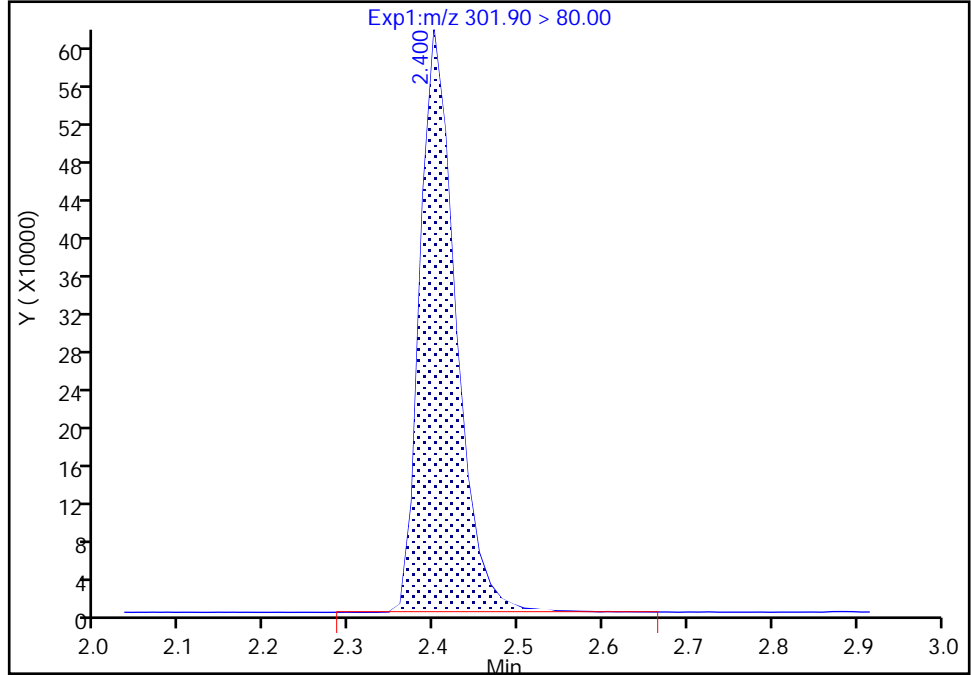
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A29.d
Injection Date: 08-Dec-2022 18:37:34 Instrument ID: LC812
Lims ID: 460-270515-A-6-A Lab Sample ID: 200-270515-6
Client ID: BCS-09-16_(5-5.5)P
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 29
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 47 13C3 PFBS, CAS: STL02337
Signal: 1

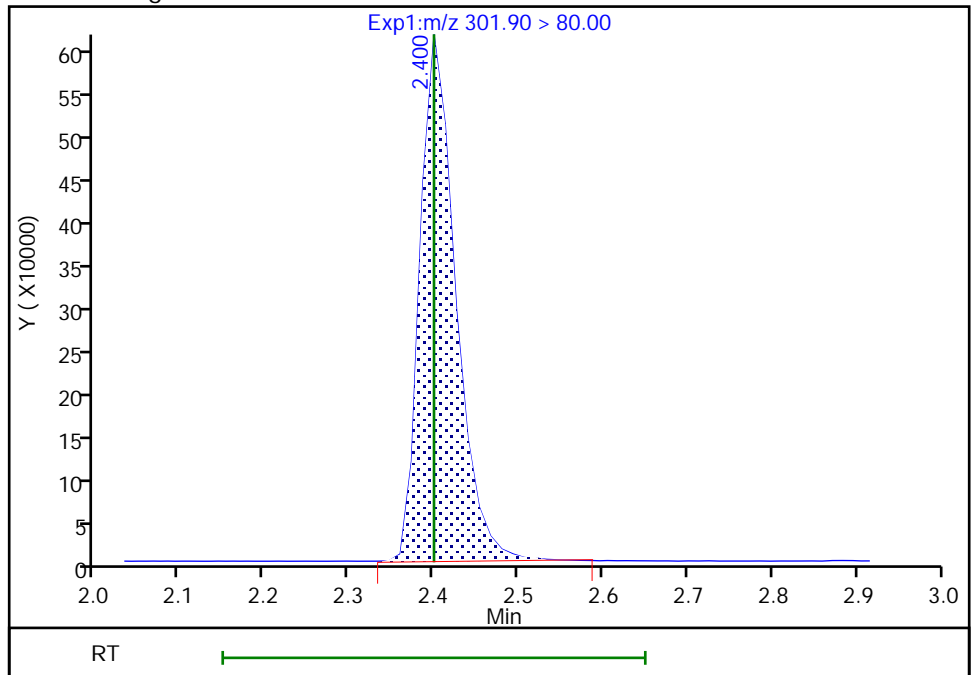
Processing Integration Results

RT: 2.40
Area: 1818030
Amount: 0.983859
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 1812036
Amount: 0.980615
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 17:47:04
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 460-270515-1 Analy Batch No.: 185958

SDG No.: _____

Instrument ID: LC812 GC Column: C-18 ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/18/2022 14:29 Calibration End Date: 11/18/2022 15:10 Calibration ID: 49456

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-185958/5	PA221118ICAL05.d
Level 2	IC 200-185958/6	PA221118ICAL06.d
Level 3	IC 200-185958/7	PA221118ICAL07.d
Level 4	ICISAV 200-185958/8	PA221118ICAL08.d
Level 5	IC 200-185958/9	PA221118ICAL09.d
Level 6	IC 200-185958/10	PA221118ICAL10.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R ² OR COD	#	MIN R ² OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Perfluorobutanoic acid (PFBA)	1.1445 0.9264	1.1425	1.0785	0.9425	0.9528	AveI D		1.031 2			9.9		20.0				
Perfluoropentanoic acid (PFPeA)	1.1767 0.9853	1.2150	1.1316	1.0126	1.0178	AveI D		1.089 8			8.9		20.0				
Perfluorobutanesulfonic acid (PFBS)	1.2615 1.0797	1.2216	1.1599	1.0279	1.1141	AveI D		1.144 1			7.7		20.0				
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	3.3006 2.8195	3.2444	3.2078	2.8919	3.0206	AveI D		3.080 8			6.5		20.0				
Perfluorohexanoic acid (PFHxA)	1.1712 0.9795	1.1611	1.1391	1.0360	1.0508	AveI D		1.089 6			7.2		20.0				
Perfluoropentanesulfonic acid (PFPeS)	1.4060 1.2589	1.3701	1.4318	1.2217	1.3242	AveI D		1.335 4			6.2		20.0				
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.0956 0.9993	1.1493	1.1537	0.9619	0.9757	AveI D		1.055 9			8.3		20.0				
Perfluorohexanesulfonic acid (PFHxS)	1.2166 1.0489	1.1225	1.1993	1.0590	1.1257	AveI D		1.128 7			6.1		20.0				
Perfluoroheptanoic acid (PFHpA)	1.1962 0.9763	1.1664	1.1666	1.0118	1.0154	AveI D		1.088 8			9.0		20.0				
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	5.8732 4.4581	6.0703	5.9049	5.5037	5.2323	AveI D		5.507 1			10.9		20.0				
Perfluoroheptanesulfonic acid (PFHpS)	1.4534 1.2848	1.5083	1.4953	1.3259	1.3126	AveI D		1.396 7			7.2		20.0				
6:2 FTS	2.6430 2.1137	2.2601	2.3824	2.0273	2.1346	L1ID	0.025 1	2.112 5					0.9990			0.9900	
Perfluorooctanoic acid (PFOA)	1.1586 0.9630	1.0893	1.1217	1.0385	1.0432	AveI D		1.069 0			6.5		20.0				

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 460-270515-1 Analy Batch No.: 185958

SDG No.: _____

Instrument ID: LC812 GC Column: C-18 ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/18/2022 14:29 Calibration End Date: 11/18/2022 15:10 Calibration ID: 49456

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R ² OR COD	#	MIN R ² OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Perfluorooctanesulfonic acid (PFOS)	1.3844 1.1060	1.3450	1.1741	1.1401	1.1472	AveI D		1.216 1			9.7		20.0				
Perfluorononanoic acid (PFNA)	1.0746 0.9714	1.0661	1.1036	0.9819	1.0265	AveI D		1.037 4			5.1		20.0				
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	2.9573 2.5142	2.9305	2.9507	2.7009	2.6934	AveI D		2.791 2			6.5		20.0				
Perfluorononanesulfonic acid (PFNS)	0.9829 0.8558	0.9757	0.9391	0.8663	0.8876	AveI D		0.917 9			6.1		20.0				
Perfluorodecanoic acid (PFDA)	1.1661 0.9356	1.1171	1.2688	1.0261	0.9931	AveI D		1.084 5			11.3		20.0				
8:2 FTS	1.6292 1.5472	1.6701	1.7320	1.5441	1.5795	AveI D		1.617 0			4.6		20.0				
Perfluorooctanesulfonamide (FOSA)	1.0869 0.9680	1.1382	1.0618	0.9865	1.0270	AveI D		1.044 7			6.1		20.0				
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.0455 0.8611	0.8925	0.9842	0.8638	0.8494	L1ID	0.010 0	0.860 2						0.9990		0.9900	
Perfluorodecanesulfonic acid (PFDS)	0.7474 0.6922	0.7456	0.7794	0.6770	0.7070	AveI D		0.724 8			5.4		20.0				
Perfluoroundecanoic acid (PFUnA)	1.0465 0.9002	1.0407	1.1264	0.9789	0.9541	AveI D		1.007 8			7.9		20.0				
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.9658 0.8407	0.9508	0.9147	0.8447	0.8547	AveI D		0.895 3			6.2		20.0				
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF)	4.6158 3.6495	4.6481	4.4955	4.2280	4.1787	AveI D		4.302 6			8.7		20.0				
Perfluorododecanoic acid (PFDoA)	1.1560 0.9277	1.1325	1.1436	1.0327	0.9642	AveI D		1.059 5			9.3		20.0				
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	1.0867 0.9589	0.9706	0.9716	0.9361	0.9064	AveI D		0.971 7			6.3		20.0				
Perfluorododecanesulfonic acid (PFDoS)	0.3227 0.2805	0.3244	0.3236	0.2924	0.2963	AveI D		0.306 7			6.3		20.0				
Perfluorotridecanoic acid (PFTriA)	1.0848 0.8766	1.0990	1.0994	0.9438	0.9757	AveI D		1.013 2			9.3		20.0				
Perfluorotetradecanoic acid (PFTeA)	0.1527 0.1272	0.1391	0.1459	0.1277	0.1289	AveI D		0.136 9			7.8		20.0				

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 460-270515-1 Analy Batch No.: 185958

SDG No.: _____

Instrument ID: LC812 GC Column: C-18 ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/18/2022 14:29 Calibration End Date: 11/18/2022 15:10 Calibration ID: 49456

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R ² OR COD	#	MIN R ² OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Perfluoro-n-hexadecanoic acid (PFHxDA)	1.1897 0.9218	1.0727	1.0421	0.8953	0.9216	LlID	0.015 7	0.919 5						0.9990		0.9900	
Perfluoro-n-octadecanoic acid (PFODA)	0.8440 0.7765	0.8293	0.9071	0.8076	0.7770	AveI D		0.823 6			6.0		20.0				
13C4 PFBA	1.1404 1.1799	1.0866	1.1024	1.0894	1.1315	Ave		1.121 7			3.2		50.0				
13C5 PFPeA	0.8620 0.8893	0.8105	0.8579	0.8500	0.8561	Ave		0.854 3			3.0		50.0				
13C3 PFBS	0.9374 0.9873	0.8930	0.9171	0.9137	0.9204	Ave		0.928 1			3.5		50.0				
M2-4:2 FTS	0.0877 0.0861	0.0797	0.0800	0.0778	0.0808	Ave		0.082 0			4.8		50.0				
13C2 PFHxA	0.8868 0.9110	0.8654	0.9101	0.8833	0.9139	Ave		0.895 1			2.2		50.0				
13C3 HFPO-DA	0.1502 0.1669	0.1484	0.1584	0.1602	0.1638	Ave		0.158 0			4.7		50.0				
18O2 PFHxS	0.6970 0.7163	0.6705	0.6515	0.6583	0.6633	Ave		0.676 1			3.7		50.0				
13C4 PFHpA	0.9332 0.9419	0.8781	0.8987	0.9124	0.9591	Ave		0.920 6			3.2		50.0				
M2-6:2 FTS	0.1194 0.1117	0.1128	0.1090	0.1129	0.1146	Ave		0.113 4			3.1		50.0				
13C4 PFOA	1.0534 1.0538	0.9967	1.0342	1.0066	1.0654	Ave		1.035 0			2.7		50.0				
13C4 PFOS	0.4599 0.4970	0.4445	0.4526	0.4349	0.4638	Ave		0.458 8			4.7		50.0				
13C5 PFNA	1.0139 1.0056	0.9936	0.9947	1.0127	1.0144	Ave		1.005 8			1.0		50.0				
13C2 PFDA	1.0047 1.0662	1.0261	0.9756	1.0248	1.0523	Ave		1.024 9			3.2		50.0				
M2-8:2 FTS	0.1424 0.1384	0.1349	0.1401	0.1347	0.1416	Ave		0.138 7			2.4		50.0				
13C8 FOSA	0.8552 0.9157	0.7991	0.8222	0.8078	0.8419	Ave		0.840 3			5.0		50.0				
d3-NMeFOSAA	0.2080 0.2288	0.2012	0.1948	0.2020	0.2172	Ave		0.208 7			6.0		50.0				

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
 PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
 CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 460-270515-1 Analy Batch No.: 185958

SDG No.: _____

Instrument ID: LC812 GC Column: C-18 ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/18/2022 14:29 Calibration End Date: 11/18/2022 15:10 Calibration ID: 49456

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
13C2 PFUnA	0.9739 0.9407	0.8915	0.9322	0.9386	0.9543	Ave		0.938 5			2.9		50.0				
d5-NEtFOSAA	0.2016 0.2128	0.2027	0.2082	0.1978	0.2098	Ave		0.205 5			2.8		50.0				
13C2 PFDoA	0.9692 1.0059	0.9046	0.9388	0.9287	0.9901	Ave		0.956 2			4.1		50.0				
13C2 PFTeDA	0.8372 0.8524	0.8152	0.8139	0.7926	0.8509	Ave		0.827 0			2.9		50.0				
13C2 PFHxDA	1.0582 1.0482	1.0104	0.9816	0.9803	1.0561	Ave		1.022 5			3.6		50.0				

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 460-270515-1 Analy Batch No.: 185958

SDG No.: _____

Instrument ID: LC812 GC Column: C-18 ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/18/2022 14:29 Calibration End Date: 11/18/2022 15:10 Calibration ID: 49456

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-185958/5	PA221118ICAL05.d
Level 2	IC 200-185958/6	PA221118ICAL06.d
Level 3	IC 200-185958/7	PA221118ICAL07.d
Level 4	ICISAV 200-185958/8	PA221118ICAL08.d
Level 5	IC 200-185958/9	PA221118ICAL09.d
Level 6	IC 200-185958/10	PA221118ICAL10.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Perfluorobutanoic acid (PFBA)		AveI D	117447	236091	1137760	1911392	5105461	0.0500	0.100	0.500	1.00	2.50
			18287579						10.0			
Perfluoropentanoic acid (PFPeA)		AveI D	91274	187282	929016	1602160	4126130	0.0500	0.100	0.500	1.00	2.50
			14659532						10.0			
Perfluorobutanesulfonic acid (PFBS)		AveI D	94070	183390	899900	1545417	4292437	0.0442	0.0884	0.442	0.884	2.21
			15764131						8.84			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)		AveI D	24335	45908	229433	391113	1079231	0.0467	0.0934	0.467	0.934	2.34
			3793564						9.34			
Perfluorohexanoic acid (PFHxA)		AveI D	93459	191103	992048	1703495	4547952	0.0500	0.100	0.500	1.00	2.50
			14928997						10.0			
Perfluoropentanesulfonic acid (PFPeS)		AveI D	82717	163879	837304	1404230	3901605	0.0469	0.0938	0.469	0.938	2.35
			14151584						9.38			
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)		AveI D	14811	32429	174879	286947	756781	0.0500	0.100	0.500	1.00	2.50
			2790710						10.0			
Perfluorohexanesulfonic acid (PFHxS)		AveI D	69439	130263	680406	1180858	3217665	0.0455	0.0910	0.455	0.910	2.28
			11438488						9.10			
Perfluoroheptanoic acid (PFHpA)		AveI D	100453	194803	1003322	1718424	4611900	0.0500	0.100	0.500	1.00	2.50
			15384783						10.0			

FORM VI
 PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
 RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 460-270515-1 Analy Batch No.: 185958

SDG No.: _____

Instrument ID: LC812 GC Column: C-18 ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/18/2022 14:29 Calibration End Date: 11/18/2022 15:10 Calibration ID: 49456

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		AveI D	228953	483450	2408962	4197219	10824421	0.0471	0.0942	0.471	0.942	2.36
			34921387					9.42				
Perfluoroheptanesulfonic acid (PFHpS)		AveI D	57260	121399	616490	1021904	2744265	0.0476	0.0952	0.476	0.952	2.38
			10171074					9.52				
6:2 FTS		L1ID	26914	45963	235479	404018	1097897	0.0474	0.0948	0.474	0.948	2.37
			3743844					9.48				
Perfluorooctanoic acid (PFOA)		AveI D	109826	206480	1110144	1946044	5263268	0.0500	0.100	0.500	1.00	2.50
			16977289					10.0				
Perfluorooctanesulfonic acid (PFOS)		AveI D	53166	105528	471879	856526	2338057	0.0464	0.0928	0.464	0.928	2.32
			8534676					9.28				
Perfluorononanoic acid (PFNA)		AveI D	98046	201460	1050495	1851038	4930997	0.0500	0.100	0.500	1.00	2.50
			16342622					10.0				
9-Chlorohexadecafluoro-3-oxanona ne-1-sulfonic acid (9Cl-PF3O)		AveI D	114059	230911	1190983	2037918	5512960	0.0466	0.0932	0.466	0.932	2.33
			19485090					9.32				
Perfluorononanesulfonic acid (PFNS)		AveI D	39049	79193	390435	673297	1871298	0.0480	0.0960	0.480	0.960	2.40
			6831873					9.60				
Perfluorodecanoic acid (PFDA)		AveI D	105421	217999	1184639	1957474	4948756	0.0500	0.100	0.500	1.00	2.50
			16688874					10.0				
8:2 FTS		AveI D	20003	41049	222425	370895	1014644	0.0479	0.0958	0.479	0.958	2.40
			3431863					9.58				
Perfluorooctanesulfonamide (FOSA)		AveI D	83641	172977	835408	1483356	4094524	0.0500	0.100	0.500	1.00	2.50
			14828965					10.0				
N-methylperfluorooctanesulfonami doacetic acid (NMeFOSAA)		L1ID	19570	34156	183478	324897	873622	0.0500	0.100	0.500	1.00	2.50
			3297027					10.0				

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 460-270515-1 Analy Batch No.: 185958

SDG No.: _____

Instrument ID: LC812 GC Column: C-18 ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/18/2022 14:29 Calibration End Date: 11/18/2022 15:10 Calibration ID: 49456

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Perfluorodecanesulfonic acid (PFDS)		AveI D	29817	60768	325384	528363	1496790	0.0482	0.0964	0.482	0.964	2.41
			5548668					9.64				
Perfluoroundecanoic acid (PFUnA)		AveI D	91713	176444	1004863	1710346	4311823	0.0500	0.100	0.500	1.00	2.50
			14168517					10.0				
N-ethylperfluorooctanesulfonamide acetic acid (NEtFOSAA)		AveI D	17526	36650	182262	311108	848987	0.0500	0.100	0.500	1.00	2.50
			2992748					10.0				
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF)		AveI D	179935	370183	1834007	3224328	8644779	0.0471	0.0942	0.471	0.942	2.36
			28587798					9.42				
Perfluorododecanoic acid (PFDoA)		AveI D	100823	194829	1027352	1785384	4520955	0.0500	0.100	0.500	1.00	2.50
			15612916					10.0				
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)		AveI D	13425	24005	125547	226266	585886	0.0482	0.0964	0.482	0.964	2.41
			2140218					9.64				
Perfluorododecanesulfonic acid (PFDoS)		AveI D	12927	26552	135657	229113	629893	0.0484	0.0968	0.484	0.968	2.42
			2258006					9.68				
Perfluorotridecanoic acid (PFTriA)		AveI D	94610	189059	987678	1631703	4574880	0.0500	0.100	0.500	1.00	2.50
			14753486					10.0				
Perfluorotetradecanoic acid (PFTeA)		AveI D	11500	21567	113607	188468	519386	0.0500	0.100	0.500	1.00	2.50
			1813608					10.0				
Perfluoro-n-hexadecanoic acid (PFHxDA)		L1ID	113285	206119	978907	1633724	4609177	0.0500	0.100	0.500	1.00	2.50
			16164958					10.0				
Perfluoro-n-octadecanoic acid (PFODA)		AveI D	80369	159361	852104	1473641	3885994	0.0500	0.100	0.500	1.00	2.50
			13617092					10.0				
13C4 PFBA	13PF OA	Ave	2565506	2583086	2637410	2534911	2679202	1.25	1.25	1.25	1.25	1.25
			2467565					1.25				

FORM VI
 PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
 RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 460-270515-1 Analy Batch No.: 185958

SDG No.: _____

Instrument ID: LC812 GC Column: C-18 ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/18/2022 14:29 Calibration End Date: 11/18/2022 15:10 Calibration ID: 49456

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
13C5 PFPeA	13PF OA	Ave	1939262 1859782	1926794	2052396	1977830	2026955	1.25 1.25	1.25	1.25	1.25	1.25
13C3 PFBS	13PF OA	Ave	1961265 1920108	1974243	2040575	1977208	2026741	1.16 1.16	1.16	1.16	1.16	1.16
M2-4:2 FTS	13PF OA	Ave	184320 168186	176875	178810	169056	178646	1.17 1.17	1.17	1.17	1.17	1.17
13C2 PFHxA	13PF OA	Ave	1995025 1905245	2057289	2177304	2055340	2164012	1.25 1.25	1.25	1.25	1.25	1.25
13C3 HFPO-DA	13PF OA	Ave	337960 349067	352715	378942	372889	387831	1.25 1.25	1.25	1.25	1.25	1.25
18O2 PFHxS	13PF OA	Ave	1483321 1417084	1507942	1474490	1449028	1485775	1.18 1.18	1.18	1.18	1.18	1.18
13C4 PFHpA	13PF OA	Ave	2099356 1969787	2087570	2150118	2123066	2271049	1.25 1.25	1.25	1.25	1.25	1.25
M2-6:2 FTS	13PF OA	Ave	255115 221871	254748	247623	249636	257709	1.19 1.19	1.19	1.19	1.19	1.19
13C4 PFOA	13PF OA	Ave	2369880 2203793	2369406	2474245	2342274	2522753	1.25 1.25	1.25	1.25	1.25	1.25
13C4 PFOS	13PF OA	Ave	989045 993714	1010315	1035061	967441	1049764	1.20 1.20	1.20	1.20	1.20	1.20
13C5 PFNA	13PF OA	Ave	2280957 2102974	2362013	2379680	2356501	2401890	1.25 1.25	1.25	1.25	1.25	1.25
13C2 PFDA	13PF OA	Ave	2260154 2229691	2439344	2334094	2384612	2491665	1.25 1.25	1.25	1.25	1.25	1.25

FORM VI
 PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
 RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 460-270515-1 Analy Batch No.: 185958

SDG No.: _____

Instrument ID: LC812 GC Column: C-18 ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/18/2022 14:29 Calibration End Date: 11/18/2022 15:10 Calibration ID: 49456

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
M2-8:2 FTS	13PF OA	Ave	306939 277266	307241	321045	300249	321188	1.20 1.20	1.20	1.20	1.20	1.20
13C8 FOSA	13PF OA	Ave	1923900 1914897	1899612	1967036	1879604	1993351	1.25 1.25	1.25	1.25	1.25	1.25
d3-NMeFOSAA	13PF OA	Ave	467975 478582	478399	466044	470154	514239	1.25 1.25	1.25	1.25	1.25	1.25
13C2 PFUnA	13PF OA	Ave	2191050 1967361	2119319	2230172	2183949	2259671	1.25 1.25	1.25	1.25	1.25	1.25
d5-NEtFOSAA	13PF OA	Ave	453643 444955	481823	498173	460360	496655	1.25 1.25	1.25	1.25	1.25	1.25
13C2 PFDoA	13PF OA	Ave	2180352 2103698	2150435	2245926	2161023	2344331	1.25 1.25	1.25	1.25	1.25	1.25
13C2 PFTeDA	13PF OA	Ave	1883348 1782548	1938056	1947280	1844360	2014799	1.25 1.25	1.25	1.25	1.25	1.25
13C2 PFHxDA	13PF OA	Ave	2380608 2191999	2401907	2348434	2280992	2500657	1.25 1.25	1.25	1.25	1.25	1.25

Curve Type Legend

Ave = Average ISTD
 AveID = Average isotope dilution
 L1ID = Linear 1/conc IsoDil

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 18-Nov-2022 14:29:54 ALS Bottle#: 2 Worklist Smp#: 5
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 200-0053396-005 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 18-Nov-2022 15:37:20 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1602

First Level Reviewer: Z1IP Date: 18-Nov-2022 14:49:08

Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA	217.00 > 172.00	2.076	2.076	0.0	0.602	2565506	1.27	102	10150	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.076	0.009	1.004	117447	0.0555		111	11.2	M
D 3 13C5 PFPeA	267.90 > 223.00	2.386	2.387	-0.001	0.692	1939262	1.26	101	4262	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.386	2.387	-0.001	1.000	91274	0.0540		108	2.4	M
D 47 13C3 PFBS	301.90 > 80.00	2.400	2.400	0.0	0.696	1961265	1.17	101	318346	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.413	2.400	0.013	1.006	94070	0.0487	Target=2.14	110	139	M
298.90 > 99.00	2.400	2.400	0.0	1.000	40889		2.30(1.07-3.21)	110	29.8	M
61 1H,1H,2H,2H-perfluorohexanesulfo	327.00 > 307.00	2.701	2.689	0.012	1.005	24335	0.0500	107	375	
D 60 M2-4:2 FTS	329.00 > 81.00	2.689	2.689	0.0	0.780	184320	1.25	107	185	
D 7 13C2 PFHxA	315.00 > 270.00	2.725	2.725	0.0	0.790	1995025	1.24	99.1	4548	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.737	2.725	0.012	1.004	93459	0.0537	Target=13.44	107	17.7	M
313.00 > 119.00	2.725	2.725	0.0	1.000	7632		12.25(6.72-20.15)	107	13.3	M
70 Perfluoropentanesulfonic acid	349.00 > 80.00	2.737	2.737	0.0	0.887	82717	0.0494	Target=2.98	105	219
349.00 > 99.00	2.737	2.737	0.0	0.887	28613		2.89(1.49-4.47)	105	68.8	
D 64 13C3 HFPO-DA	287.00 > 169.00	2.835	2.835	0.0	0.822	337960	1.19	95.1	3479	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.835	2.835	0.0	1.000	14811	0.0519		104	87.4	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.088	3.088	0.0	0.896	1483321	1.22		103	2964	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.099	3.088	0.011	1.004	69439	0.0490	Target=3.57	108	101	
399.00 > 99.00	3.088	3.088	0.0	1.000	19455		3.57(1.78-5.35)	108	25.2	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.099	3.099	0.0	0.899	2099356	1.27		101	5220	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.099	3.099	0.0	1.000	100453	0.0549	Target=3.93	110	21.8	M
363.00 > 169.00	3.099	3.099	0.0	1.000	25626		3.92(1.96-5.89)	110	58.2	M
77 DONA										
377.00 > 251.00	3.132	3.132	0.0	0.832	228953	0.0502	Target=3.08	107	363	
377.00 > 85.00	3.132	3.132	0.0	0.832	75160		3.05(1.54-4.62)	107	131	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.439	3.439	0.0	0.997	255115	1.25		105	800	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.439	3.439	0.0	1.000	26914	0.0474		100	78.5	
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.439	3.439	0.0	0.914	57260	0.0495	Target=5.16	104	228	M
449.00 > 99.00	3.439	3.439	0.0	0.914	10494		5.46(2.58-7.74)	104	48.9	M
D 14 13C4 PFOA										
417.00 > 372.00	3.448	3.448	0.0	1.000	2369880	1.27		102	7932	
* 62 13C2 PFOA										
415.00 > 370.00	3.448	3.448	0.0		2249687	1.25			7146	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.448	3.448	0.0	1.000	109826	0.0542	Target=2.82	108	8.5	
413.00 > 169.00	3.448	3.448	0.0	1.000	38701		2.84(1.41-4.23)	108	61.5	
D 18 13C4 PFOS										
503.00 > 80.00	3.764	3.764	0.0	1.092	989045	1.20		100	2554	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.764	3.764	0.0	1.000	53166	0.0528	Target=5.01	114	12.5	M
499.00 > 99.00	3.764	3.764	0.0	1.000	9421		5.64(2.50-7.51)	114	10.5	M
D 19 13C5 PFNA										
468.00 > 423.00	3.783	3.783	0.0	1.097	2280957	1.26		101	2314	
20 Perfluorononanoic acid										M
463.00 > 419.00	3.783	3.783	0.0	1.000	98046	0.0518	Target=8.49	104	21.5	M
463.00 > 169.00	3.783	3.783	0.0	1.000	12273		7.99(4.25-12.74)	104	132	
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.928	3.928	0.0	1.044	114059	0.0494		106	734	M
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.061	4.050	0.011	1.079	39049	0.0514	Target=2.60	107	385	
549.00 > 99.00	4.061	4.050	0.011	1.079	14345		2.72(1.30-3.90)	107	108	
D 23 13C2 PFDA										
515.00 > 470.00	4.081	4.081	0.0	1.184	2260154	1.23		98.0	9579	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.081	4.081	0.0	1.000	105421	0.0538	Target=10.03	108	53.0	M
513.00 > 169.00	4.081	4.081	0.0	1.000	10453		10.09(5.02-15.05)	108	18.9	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.093	4.093	0.0	1.187	306939	1.23		103	1357	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.093	4.093	0.0	1.000	20003	0.0483		101	186	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.150	4.150	0.0	1.000	83641	0.0520		104	226	
D 21 13C8 FOSA										
506.00 > 78.00	4.150	4.150	0.0	1.204	1923900	1.27		102	2597	
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.228	4.228	0.0	1.226	467975	1.25		99.7	1170	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.228	4.228	0.0	1.000	19570	0.0491		98.3	48.2	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.331	4.331	0.0	1.151	29817	0.0497	Target=2.58	103	240	M
599.00 > 99.00	4.331	4.331	0.0	1.151	11494		2.59(1.29-3.86)	103	114	M
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.353	4.353	0.0	1.000	91713	0.0519	Target=10.10	104	46.8	
563.00 > 169.00	4.365	4.353	0.012	1.003	8638		10.62(5.05-15.15)	104	80.5	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.353	4.353	0.0	1.263	2191050	1.30		104	5521	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.365	4.365	0.0	1.000	17526	0.0539		108	235	M
D 32 d5-NEtFOSAA										M
589.00 > 419.00	4.365	4.365	0.0	1.266	453643	1.23		98.1	938	M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.454	4.454	0.0	1.183	179935	0.0505		107	957	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.591	4.591	0.0	1.000	100823	0.0546	Target=7.41	109	7.8	
613.00 > 169.00	4.591	4.591	0.0	1.000	13273		7.60(3.70-11.11)	109	184	
D 36 13C2 PFDaA										
615.00 > 570.00	4.591	4.591	0.0	1.332	2180352	1.27		101	3632	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.612	4.612	0.0	1.127	13425	0.0539		112	191	
75 Perfluorododecanesulfonic acid (
699.00 > 80.00	4.776	4.776	0.0	1.269	12927	0.0509	Target=0.51	105	191	
699.00 > 99.00	4.776	4.776	0.0	1.269	25803		0.50(0.25-0.76)	105	442	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.813	4.804	0.009	1.048	94610	0.0535	Target=5.40	107	8.2	M
663.00 > 169.00	4.813	4.804	0.009	1.048	16297		5.81(2.70-8.10)	107	99.4	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.012	5.012	0.0	1.000	11500	0.0558	Target=0.90	112	101	M
713.00 > 219.00	5.002	5.012	-0.010	0.998	12127		0.95(0.45-1.35)	112	152	
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.012	5.012	0.0	1.454	1883348	1.27		101	2254	M

Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										
815.00 > 770.00	5.367	5.367	0.0	1.557	2380608	1.29		103	5199	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.378	5.367	0.011	1.002	113285	0.0476	Target=5.85	95.2	11.0	
813.00 > 169.00	5.367	5.367	0.0	1.000	19229		5.89(2.93-8.78)	95.2	167	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.722	5.722	0.0	1.066	80369	0.0512	Target=6.30	102	9.4	
913.00 > 169.00	5.722	5.722	0.0	1.066	12582		6.39(3.15-9.46)	102	148	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC1_00014

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d

Injection Date: 18-Nov-2022 14:29:54

Instrument ID: LC812

Lims ID: IC

Client ID:

Operator ID: lc812tech

ALS Bottle#: 2

Worklist Smp#: 5

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

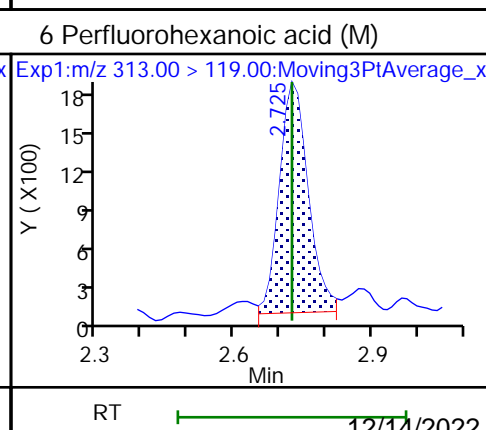
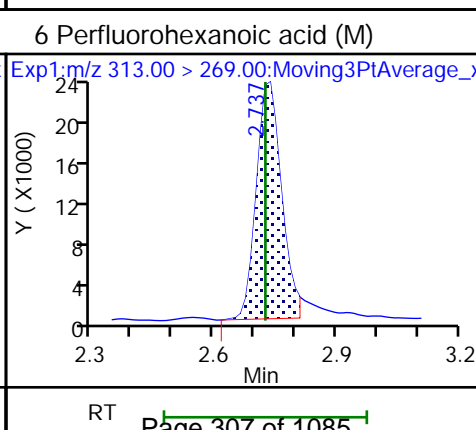
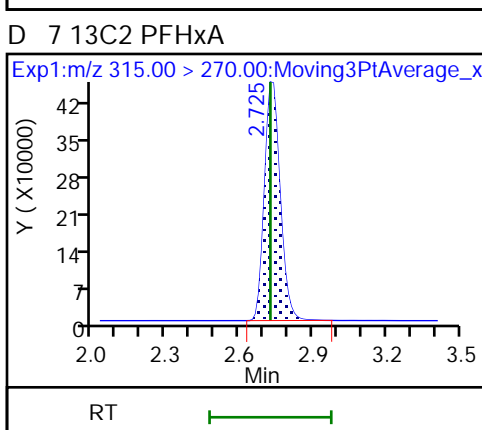
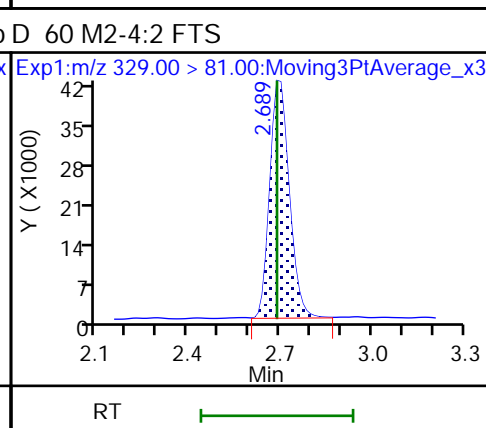
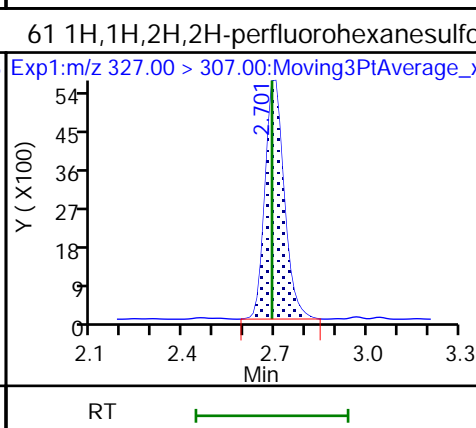
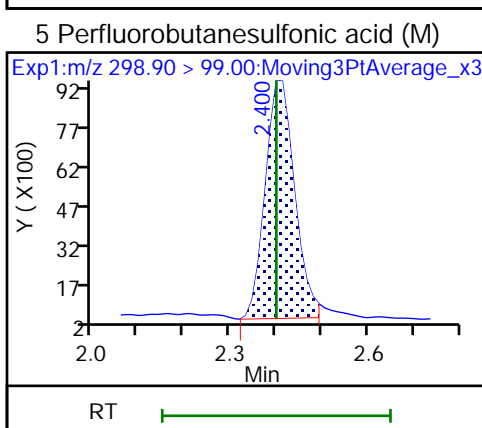
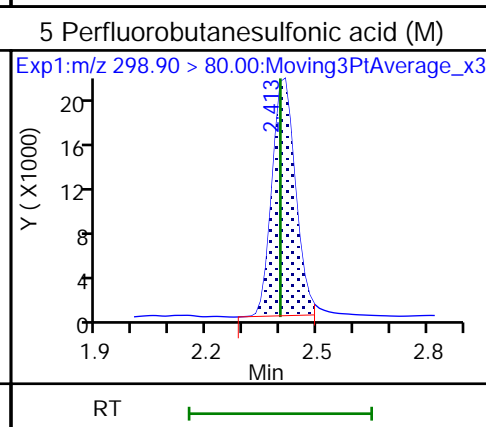
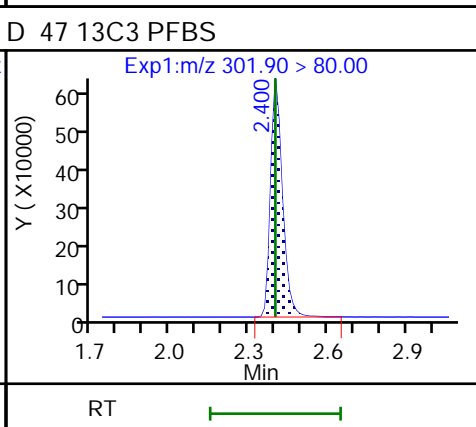
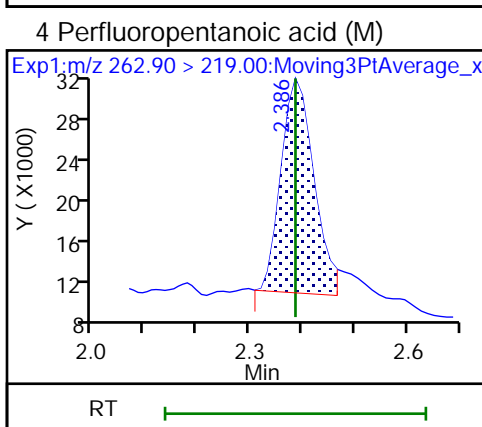
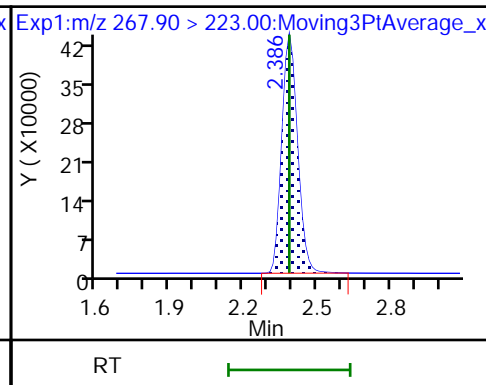
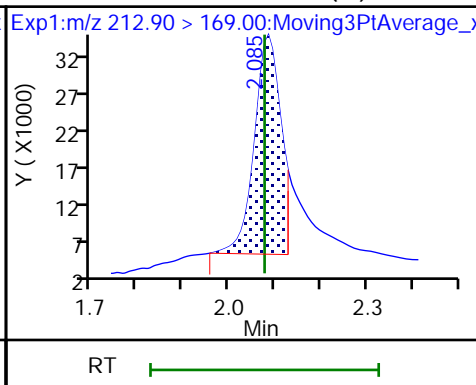
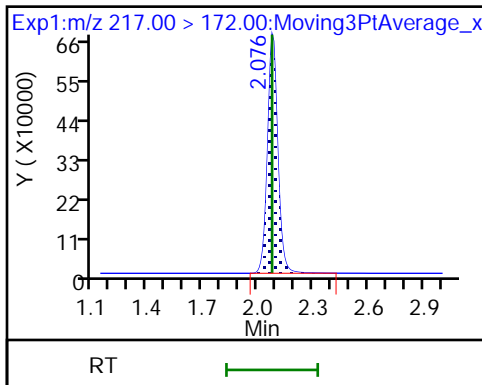
Method: PFC_LC812

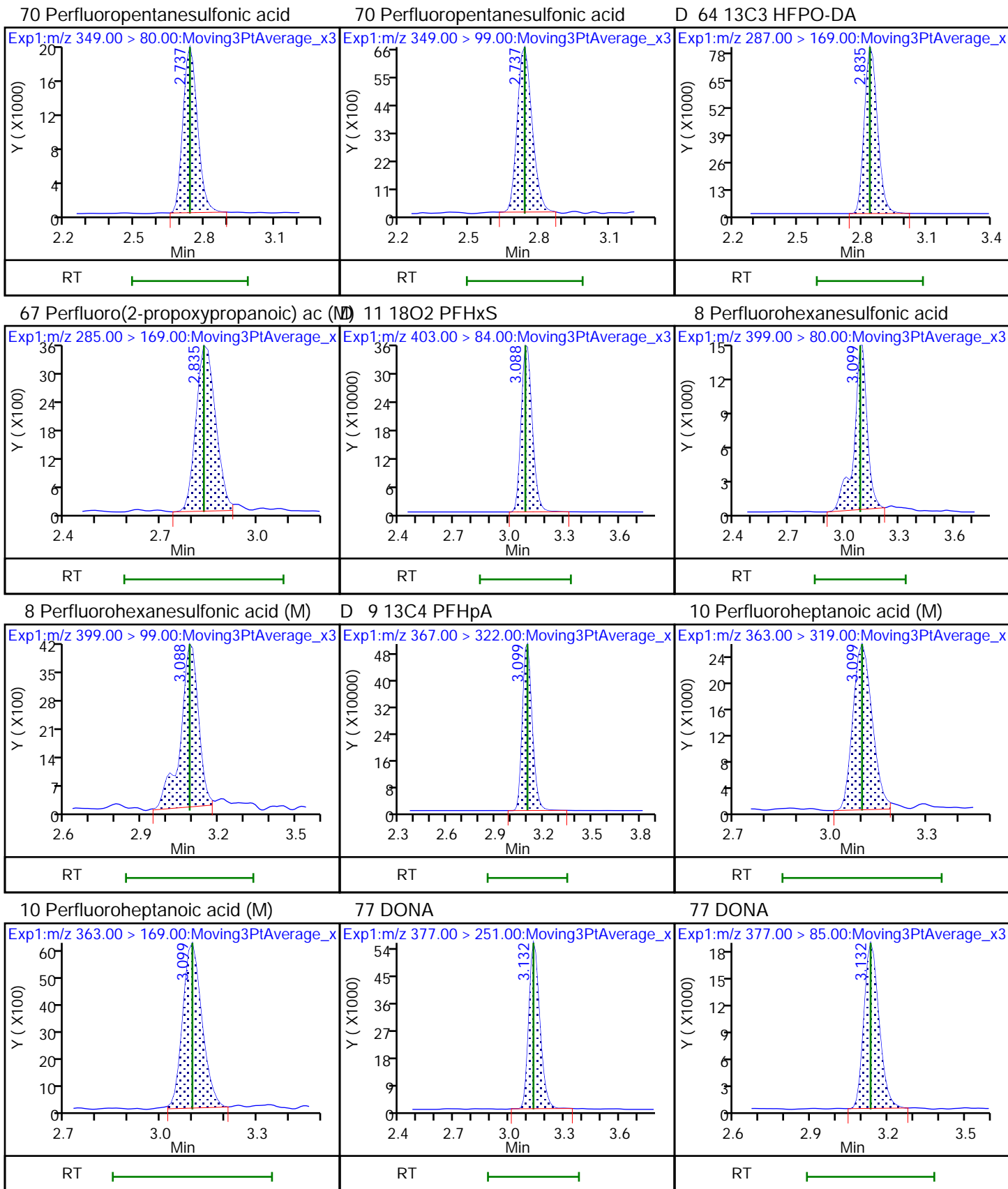
Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

D 3 13C5 PFPeA

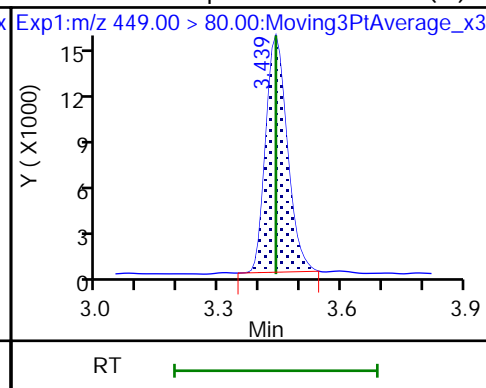
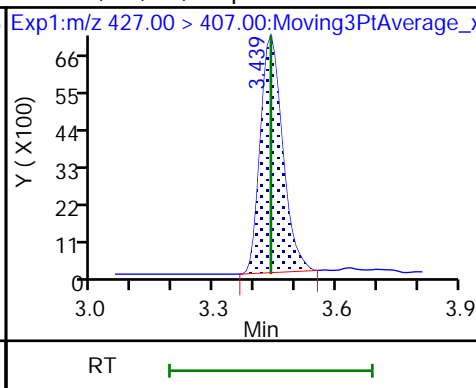
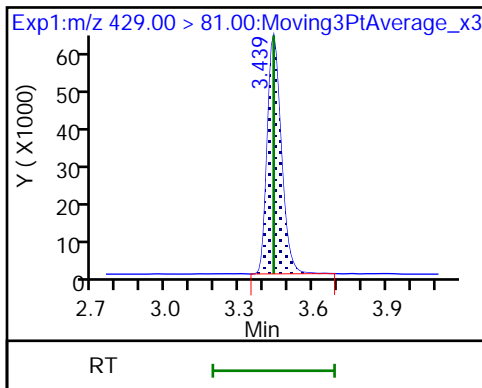




D 12 M2-6:2 FTS

13 1H,1H,2H,2H-perfluorooctanesulfo

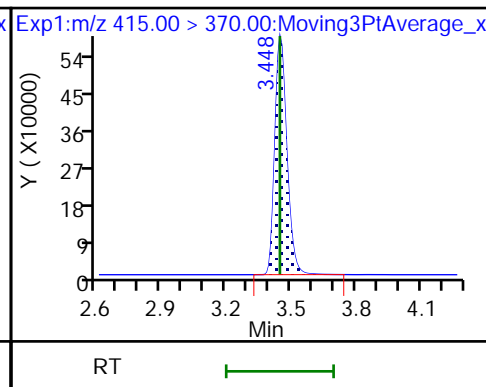
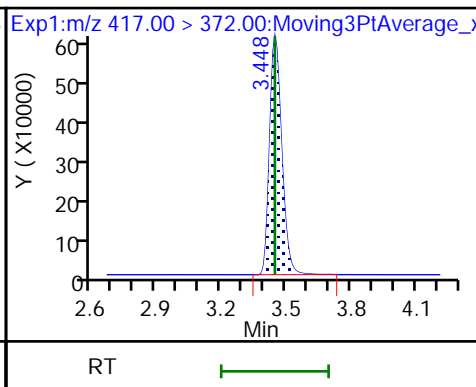
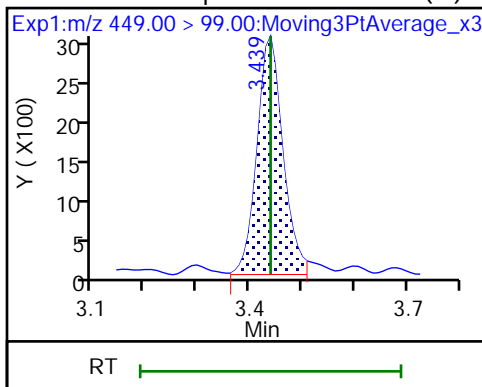
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

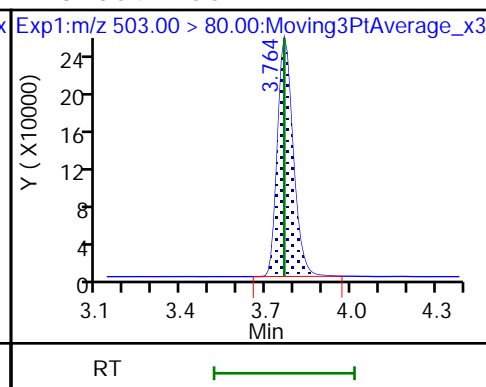
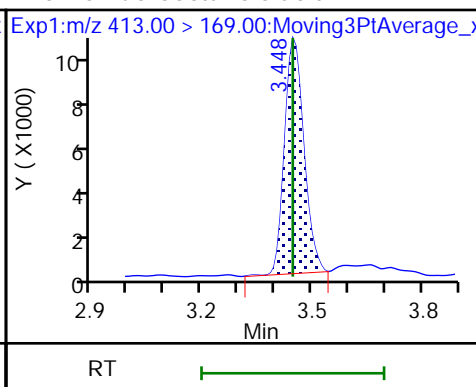
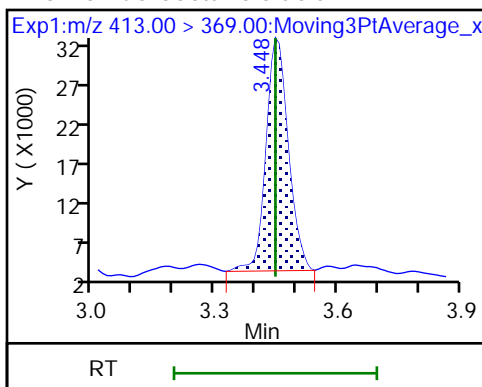
* 62 13C2 PFOA



15 Perfluorooctanoic acid

15 Perfluorooctanoic acid

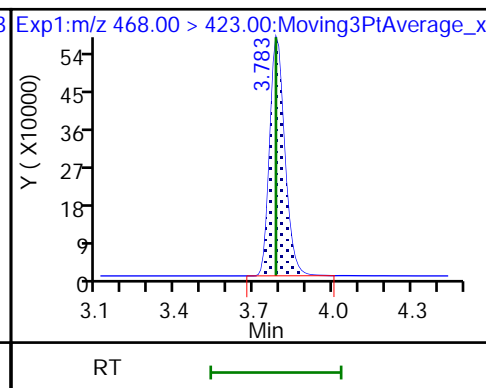
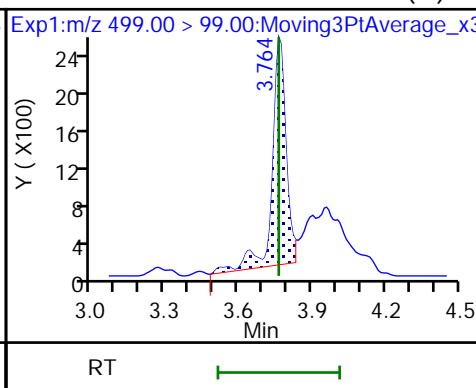
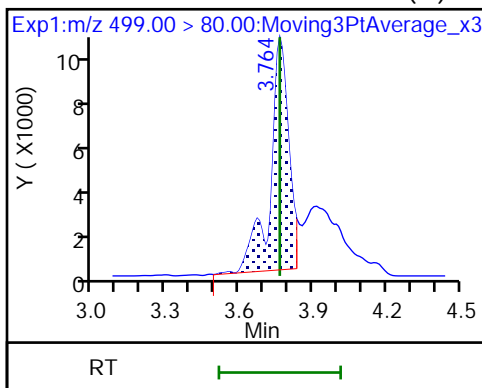
D 18 13C4 PFOS

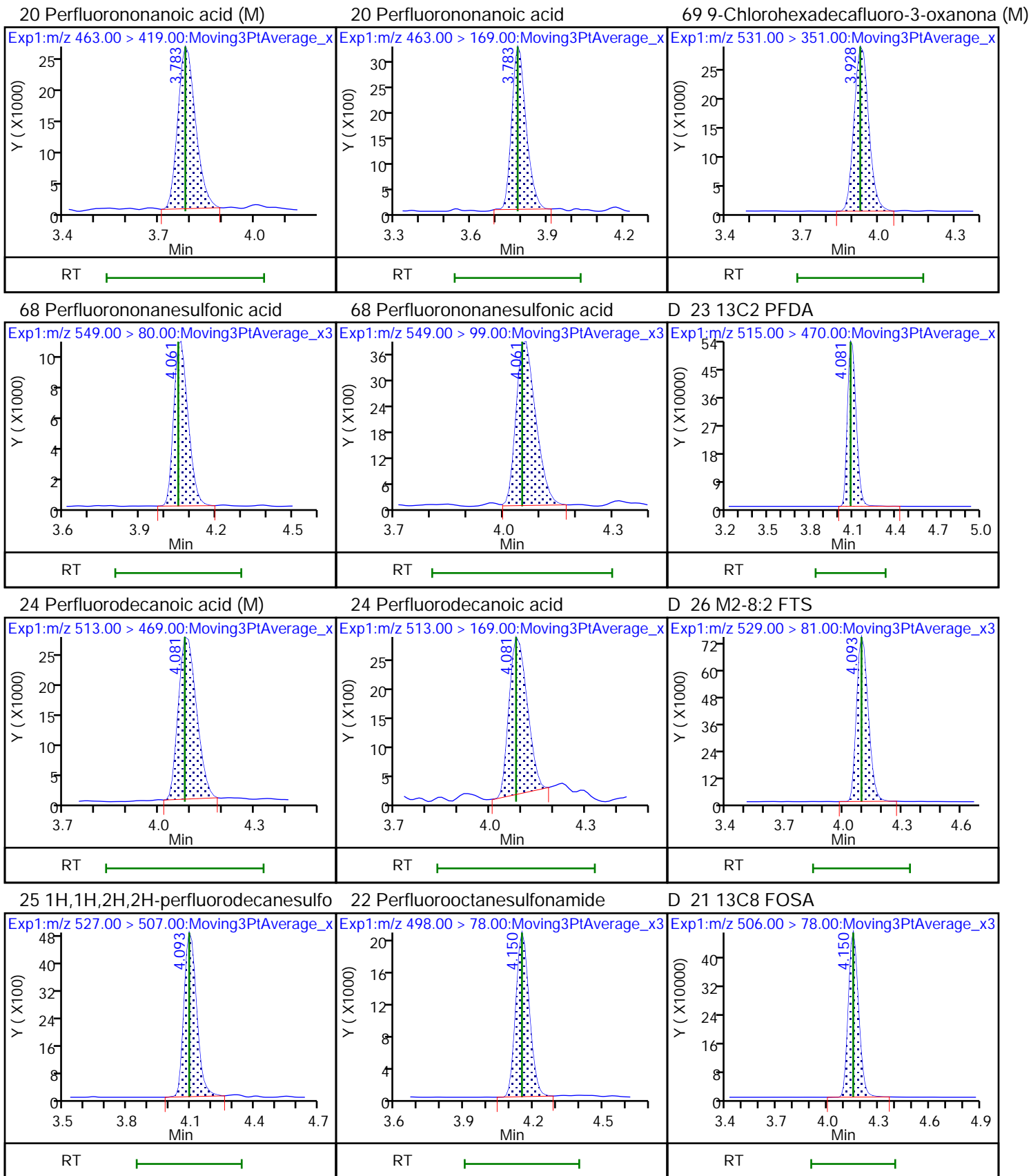


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

D 19 13C5 PFNA

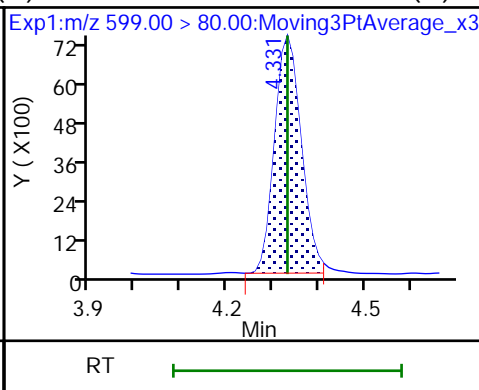
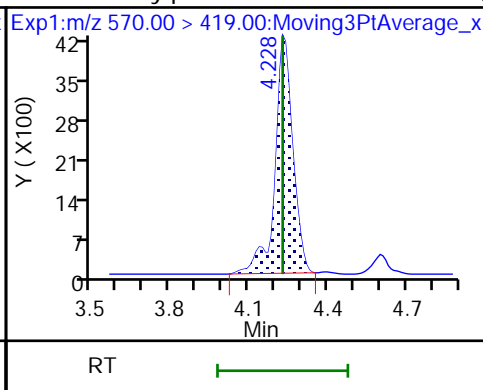
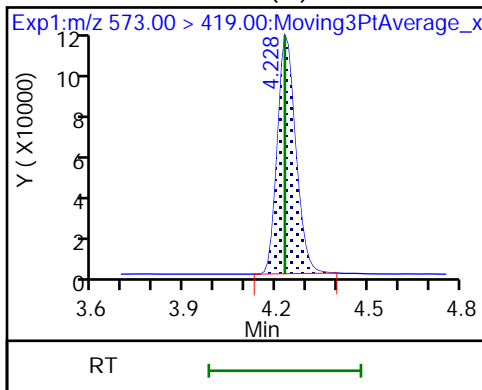




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

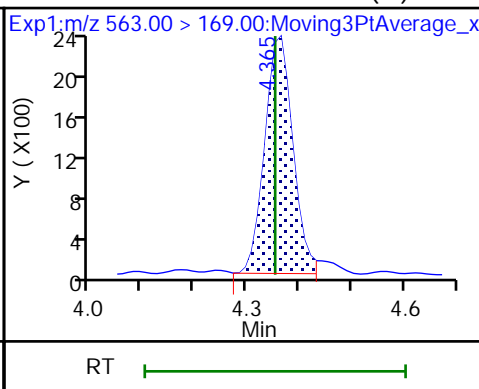
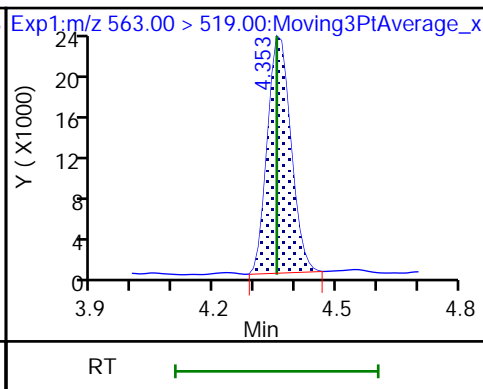
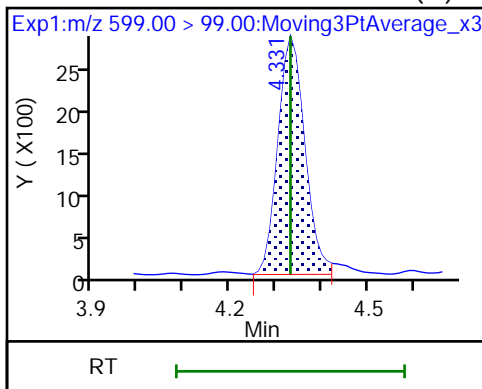
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

31 Perfluoroundecanoic acid

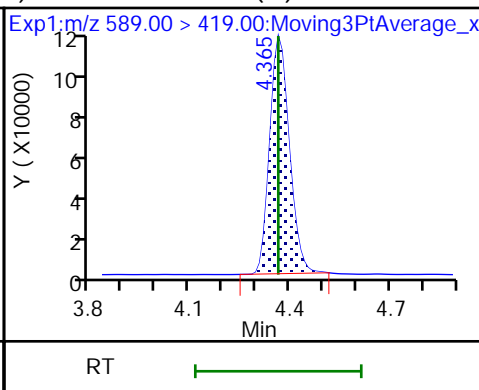
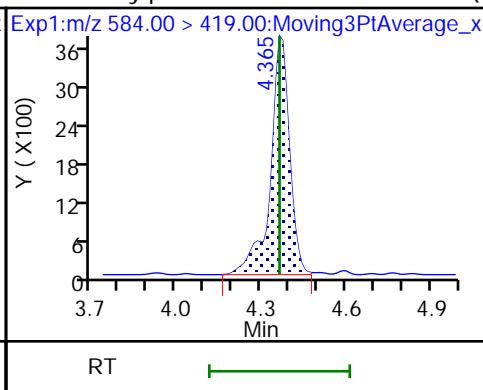
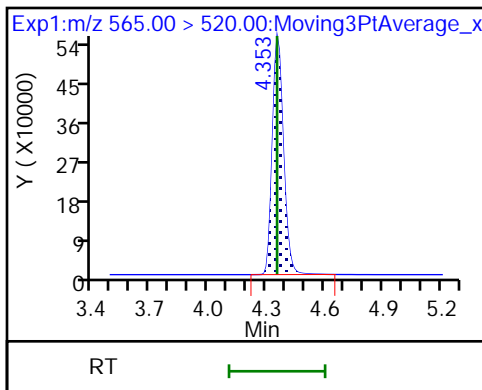
31 Perfluoroundecanoic acid (M)



D 30 13C2 PFUnA

33 N-ethylperfluorooctanesulfonamid (M)

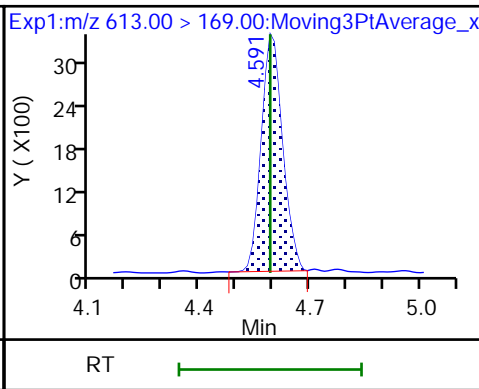
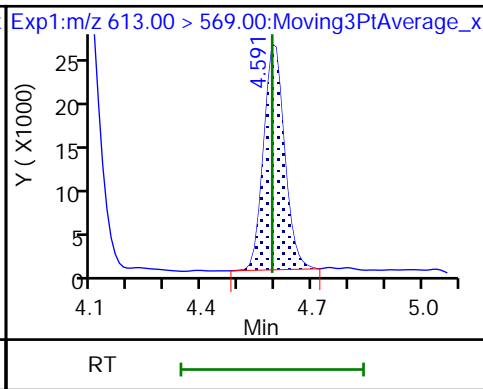
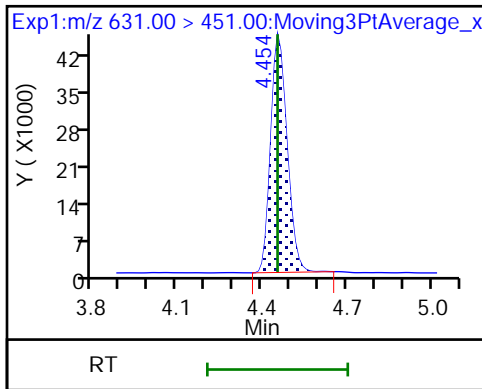
32 d5-NEtFOSAA (M)



66 11-Chloroeicosafuoro-3-oxaundec

37 Perfluorododecanoic acid

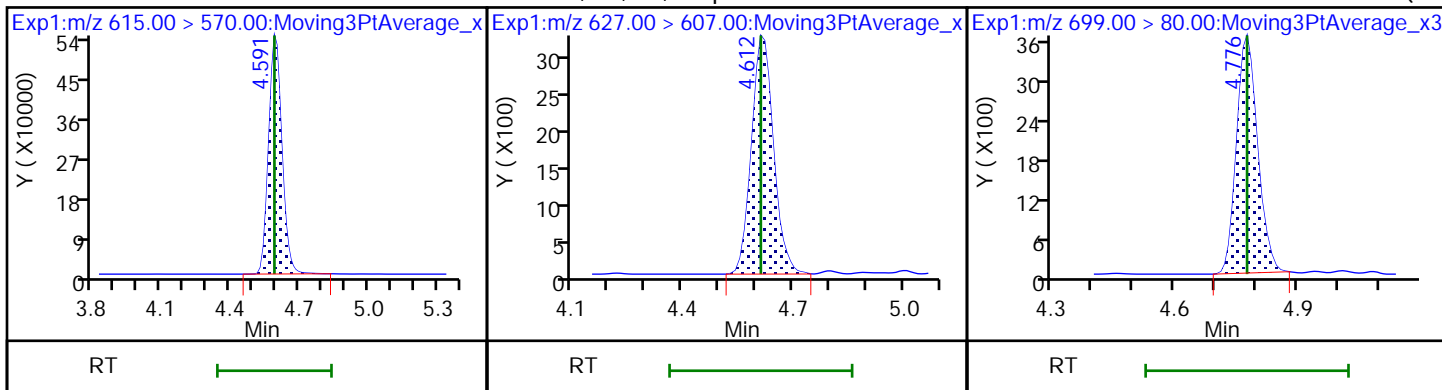
37 Perfluorododecanoic acid



D 36 13C2 PFDaA

74 1H,1H,2H,2H-perfluorododecanesul

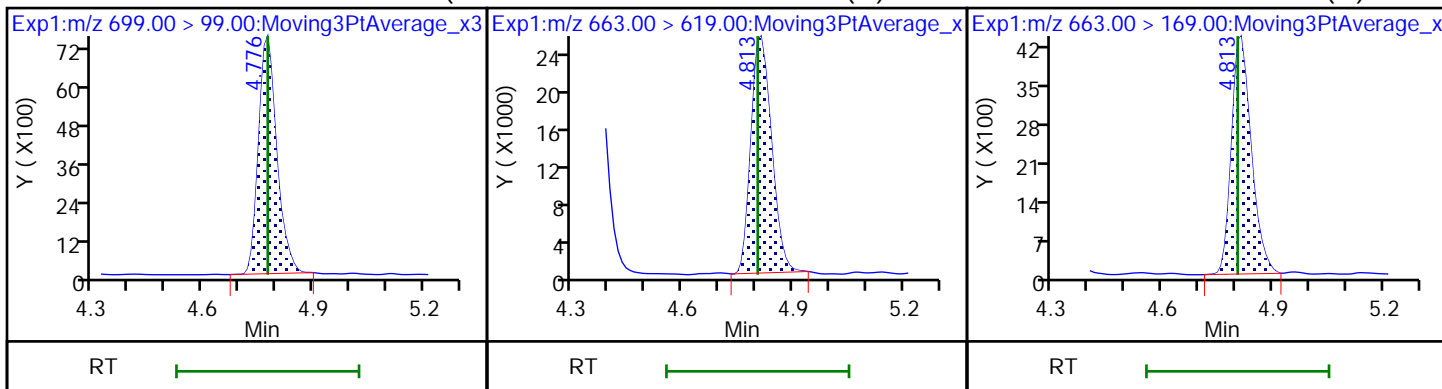
75 Perfluorododecanesulfonic acid (



75 Perfluorododecanesulfonic acid (

41 Perfluorotridecanoic acid (M)

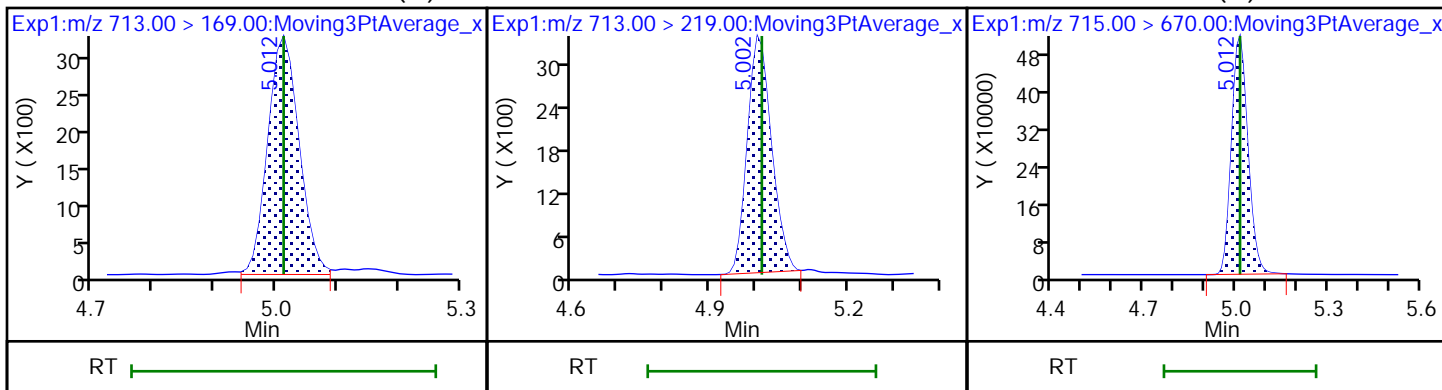
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid

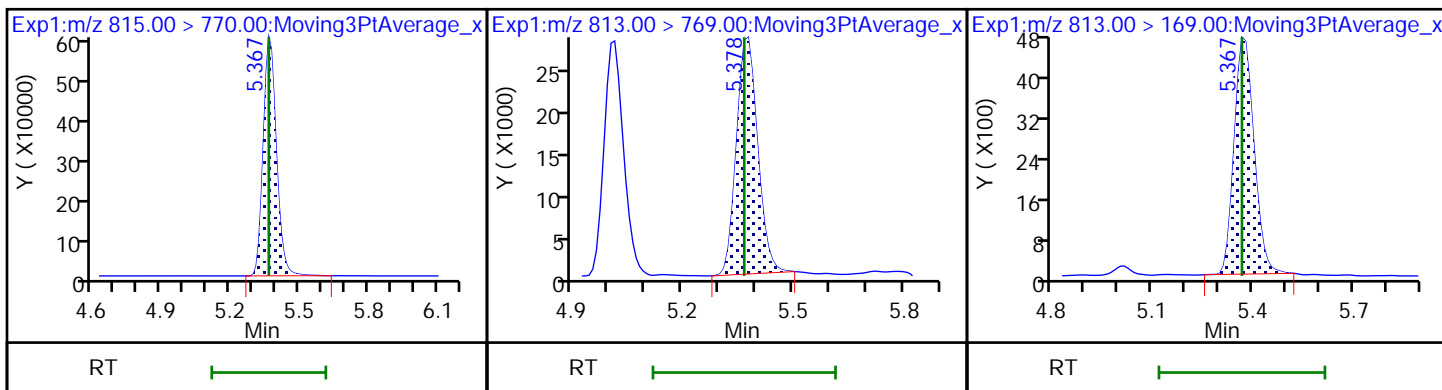
D 43 13C2 PFTeDA (M)



D 44 13C2 PFHxDA

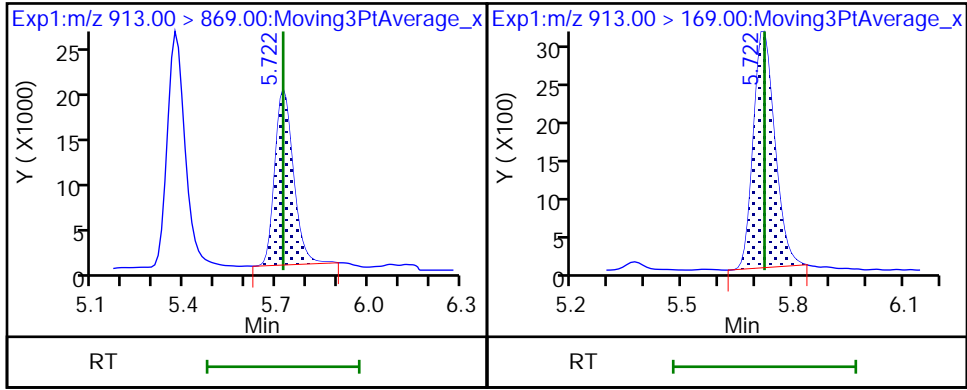
45 Perfluorohexadecanoic acid

45 Perfluorohexadecanoic acid



46 Perfluorooctadecanoic acid

46 Perfluorooctadecanoic acid



Eurofins Burlington

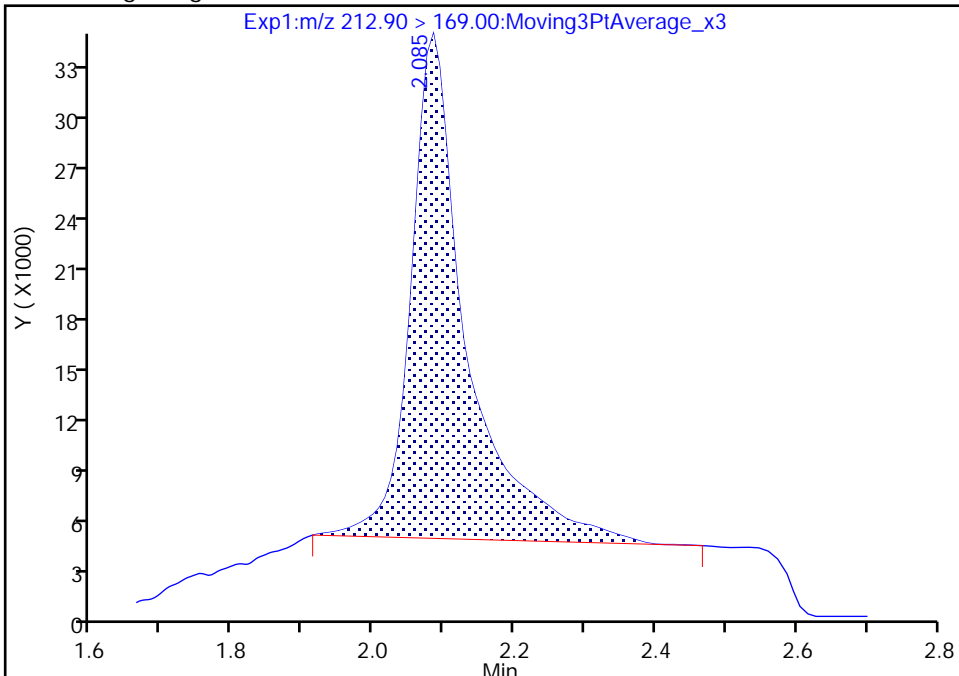
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Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

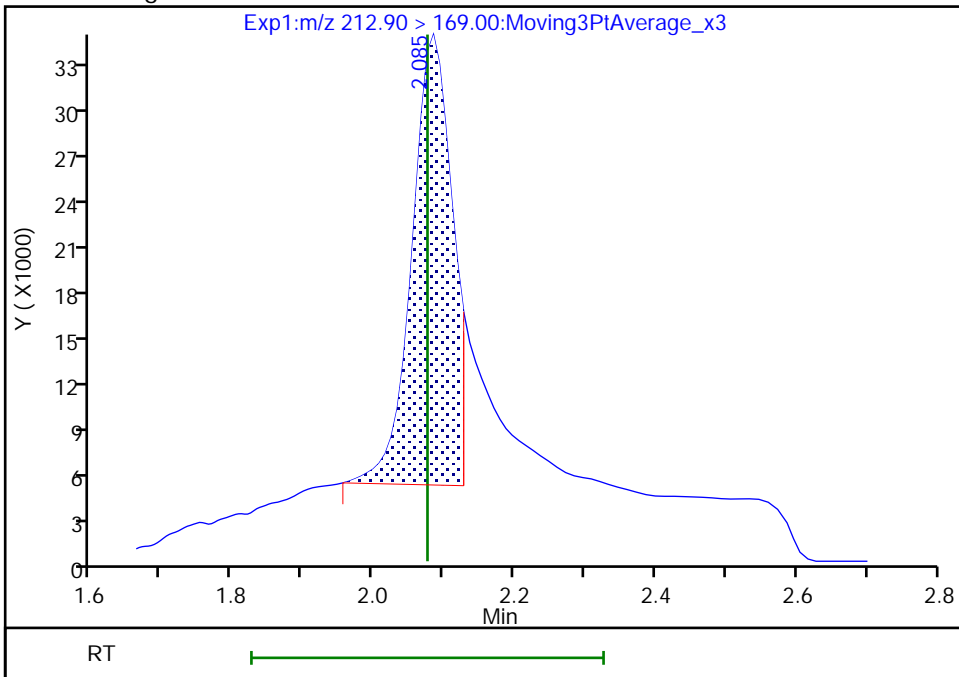
RT: 2.08
Area: 167014
Amount: 0.050000
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 117447
Amount: 0.055493
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:43:55
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

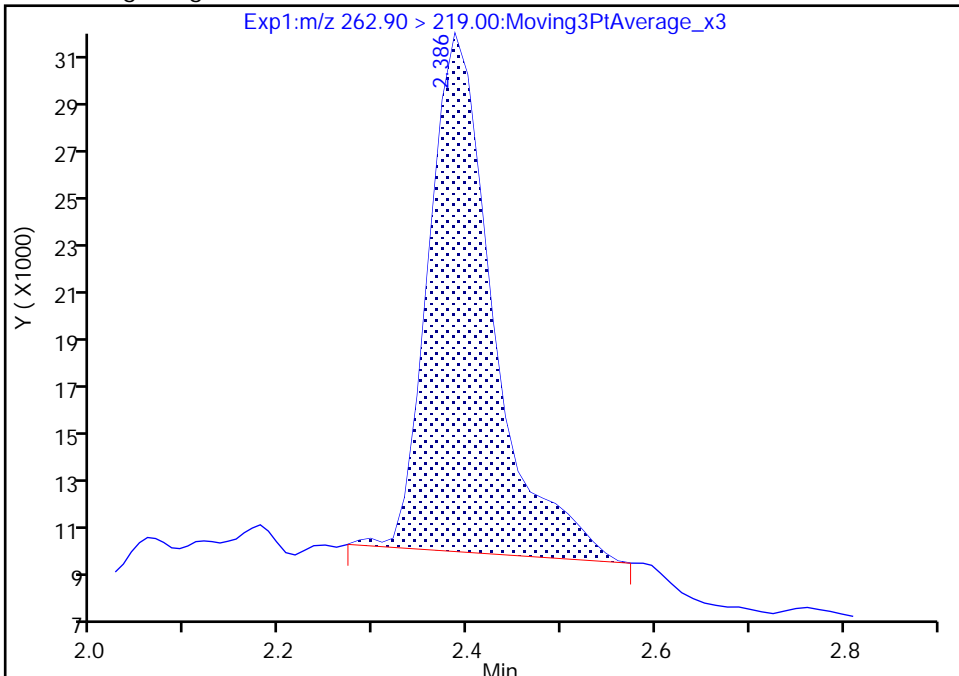
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

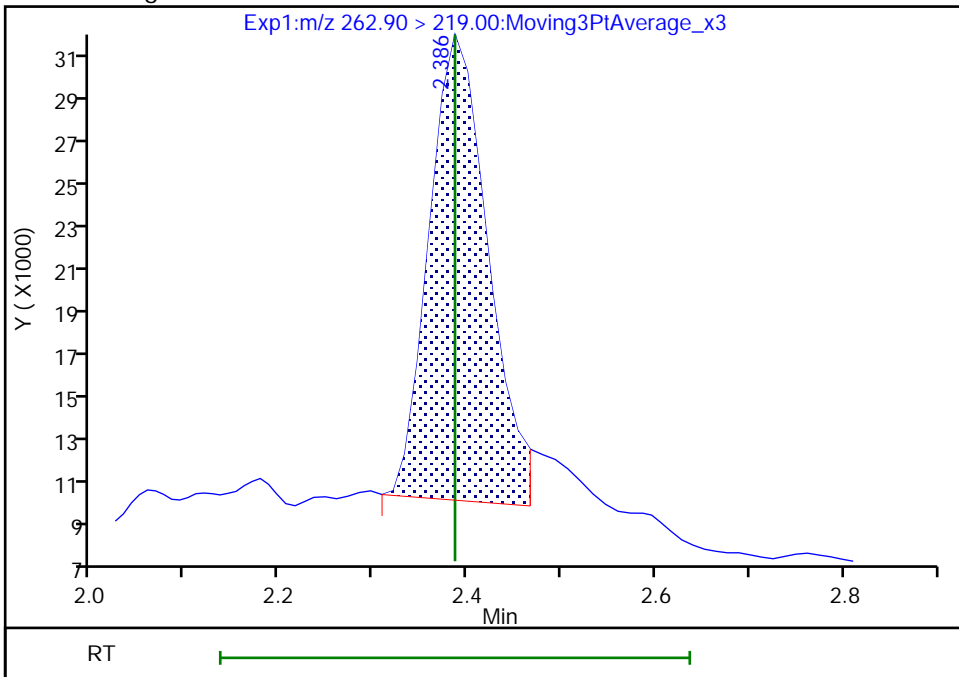
RT: 2.39
Area: 100957
Amount: 0.050000
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 91274
Amount: 0.053984
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:44:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

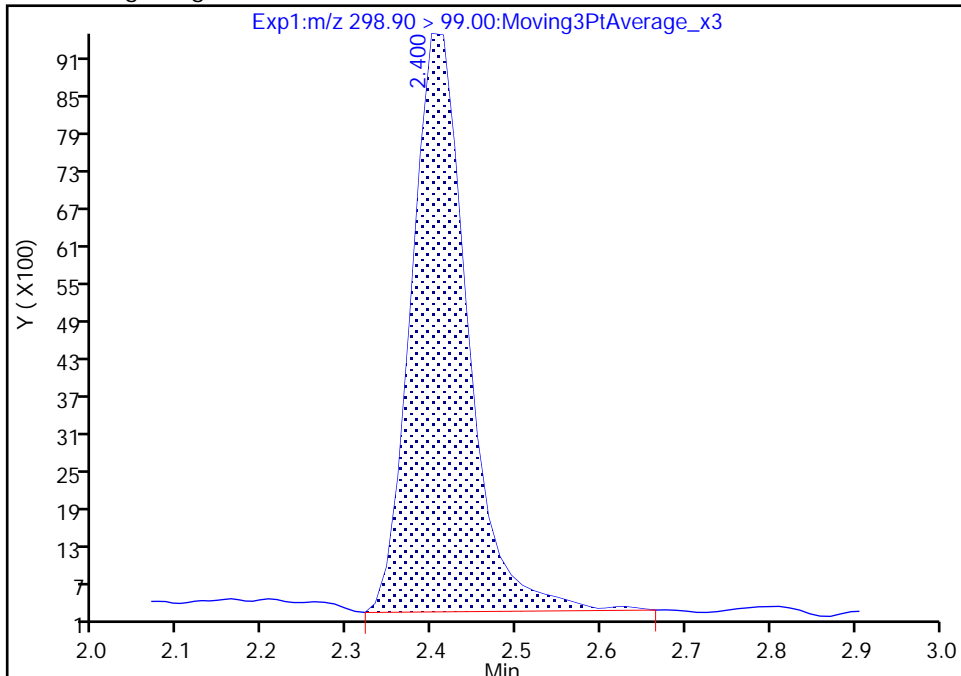
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

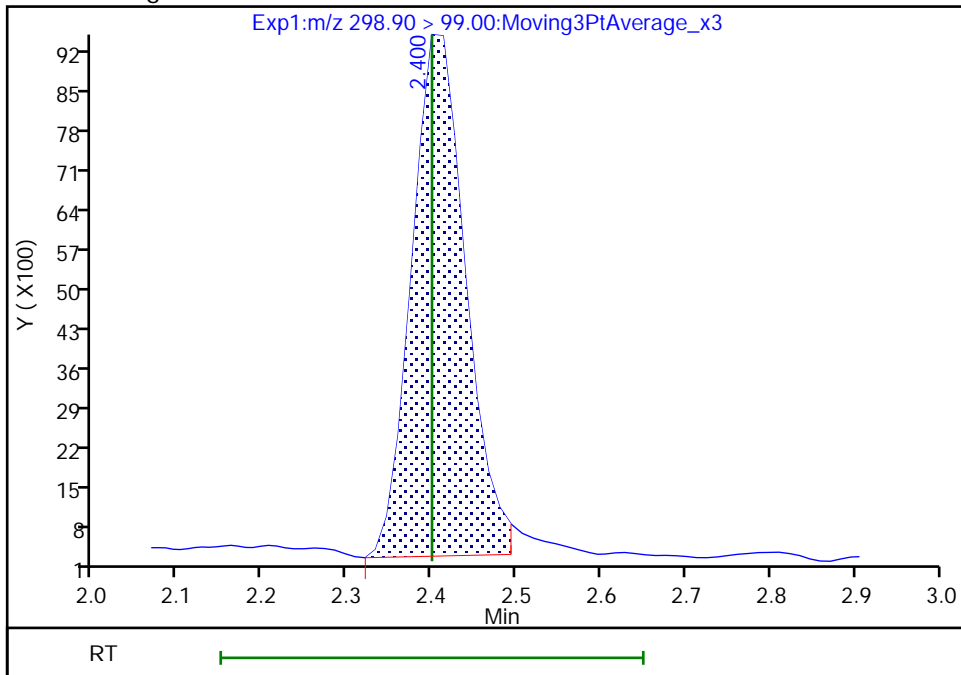
RT: 2.40
Area: 42716
Amount: 0.044200
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 40889
Amount: 0.048736
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:44:28
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

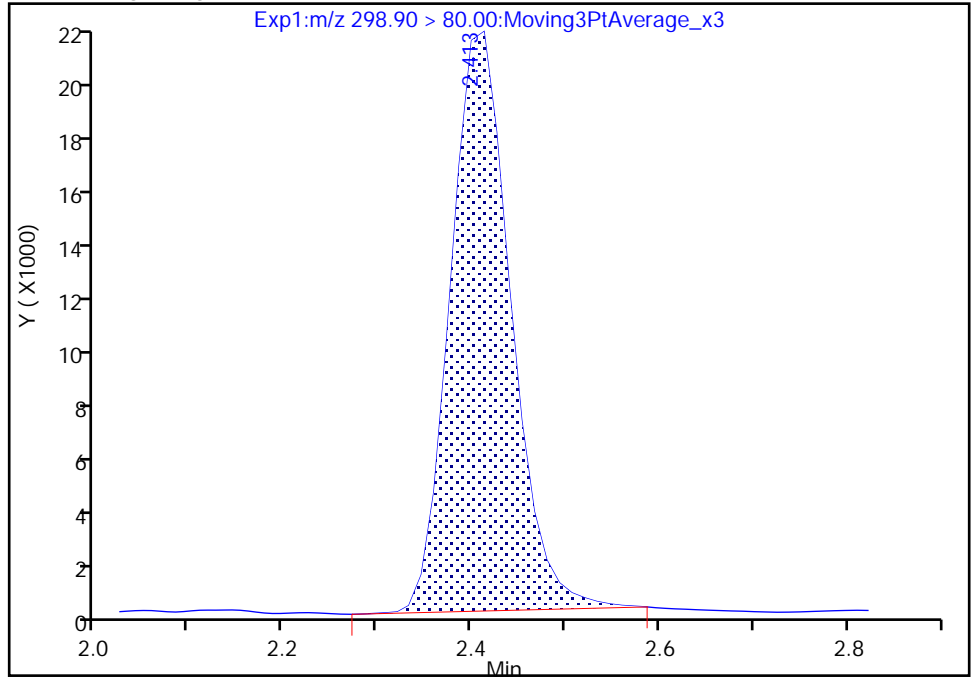
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

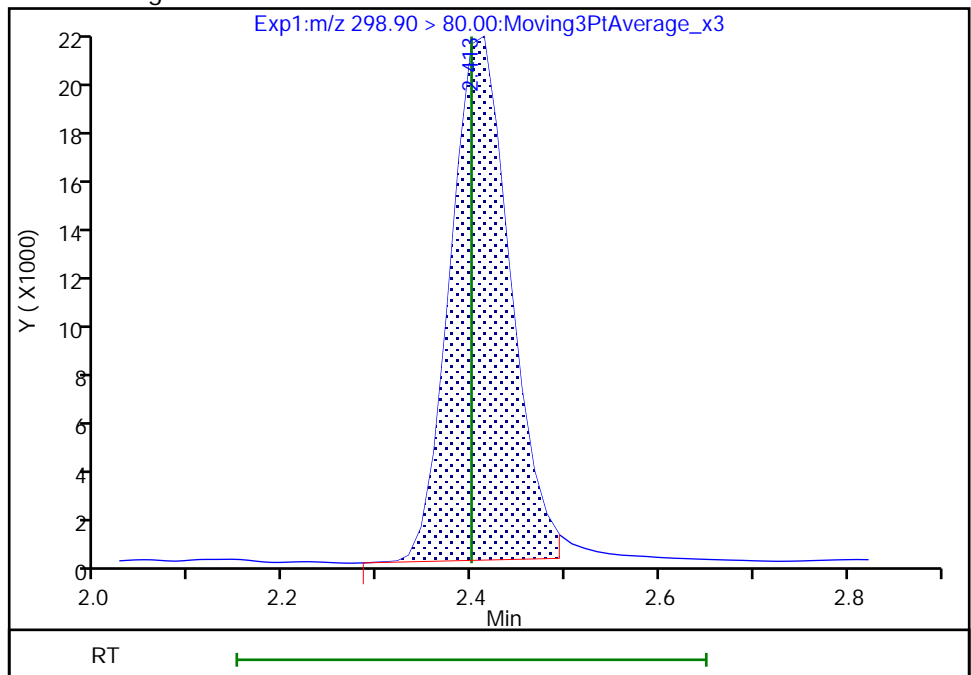
RT: 2.41
Area: 95701
Amount: 0.044200
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 94070
Amount: 0.048736
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:44:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

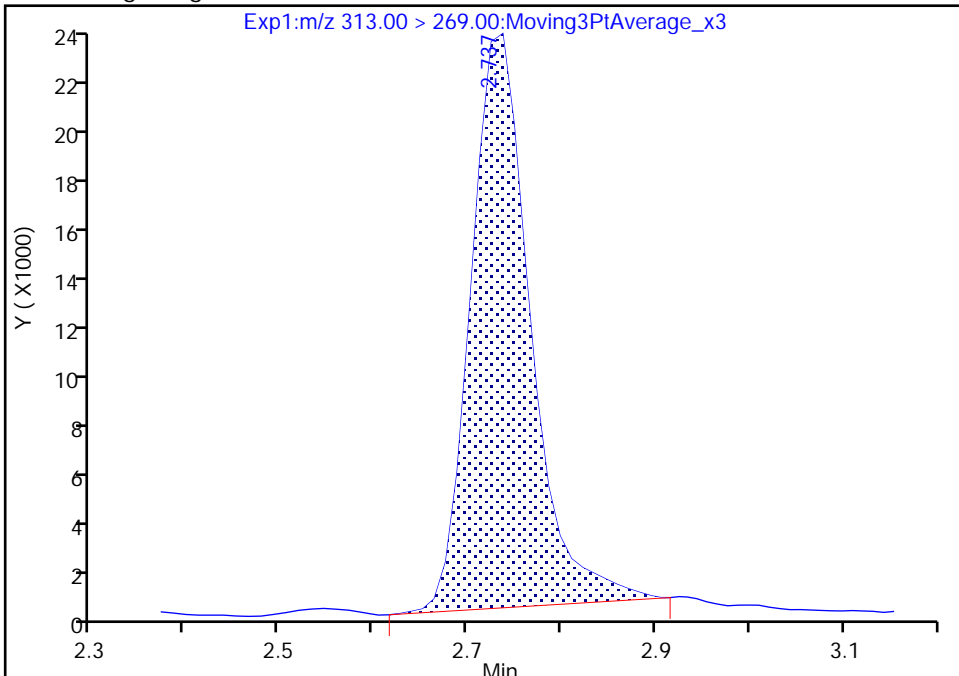
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

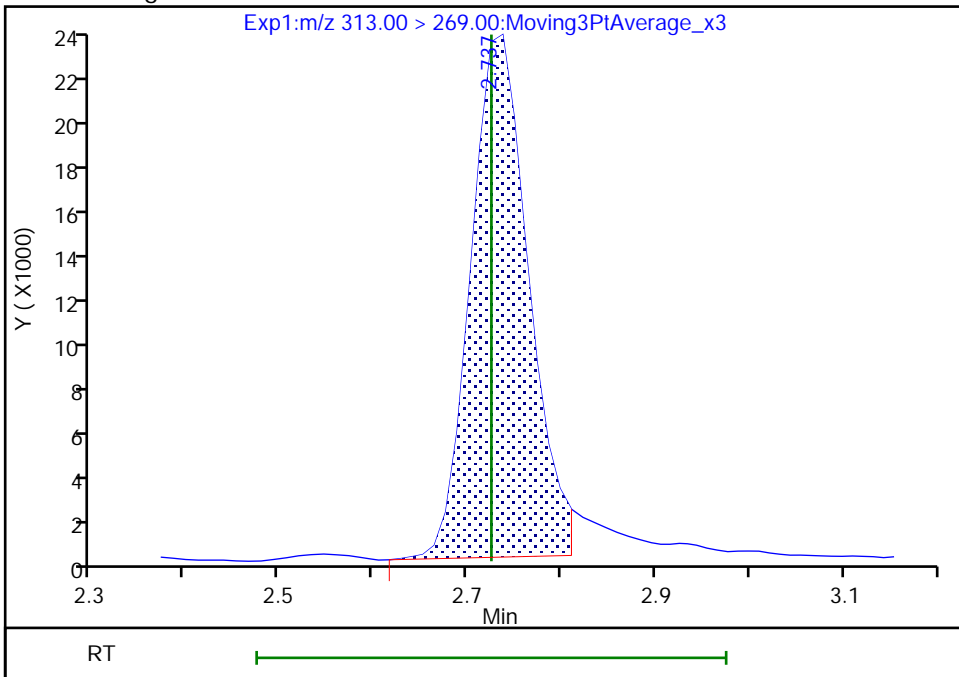
RT: 2.74
Area: 96124
Amount: 0.050000
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 93459
Amount: 0.053742
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:44:48
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

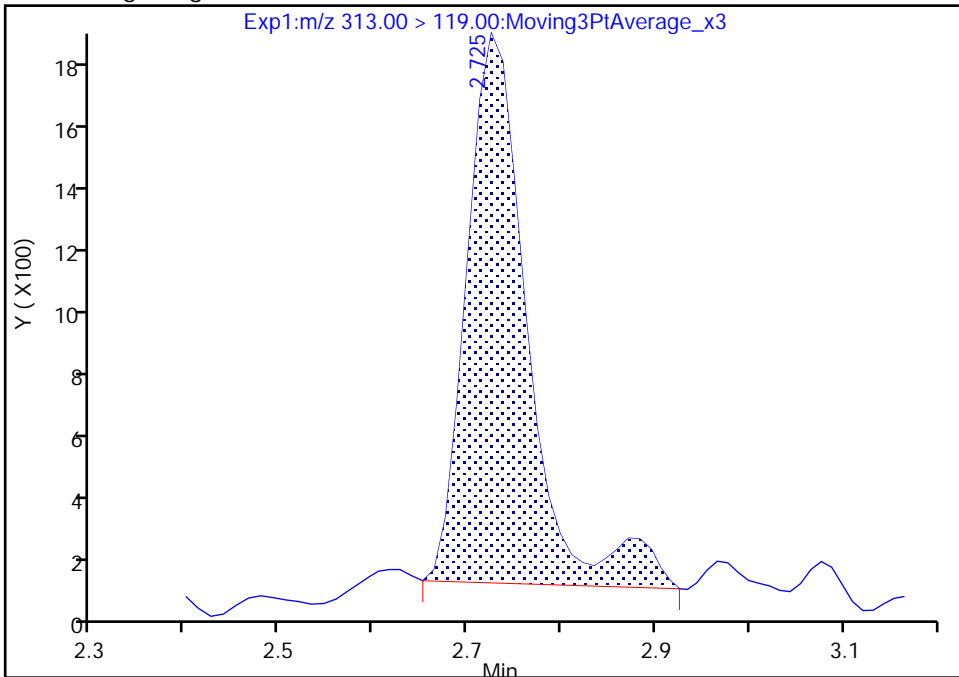
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

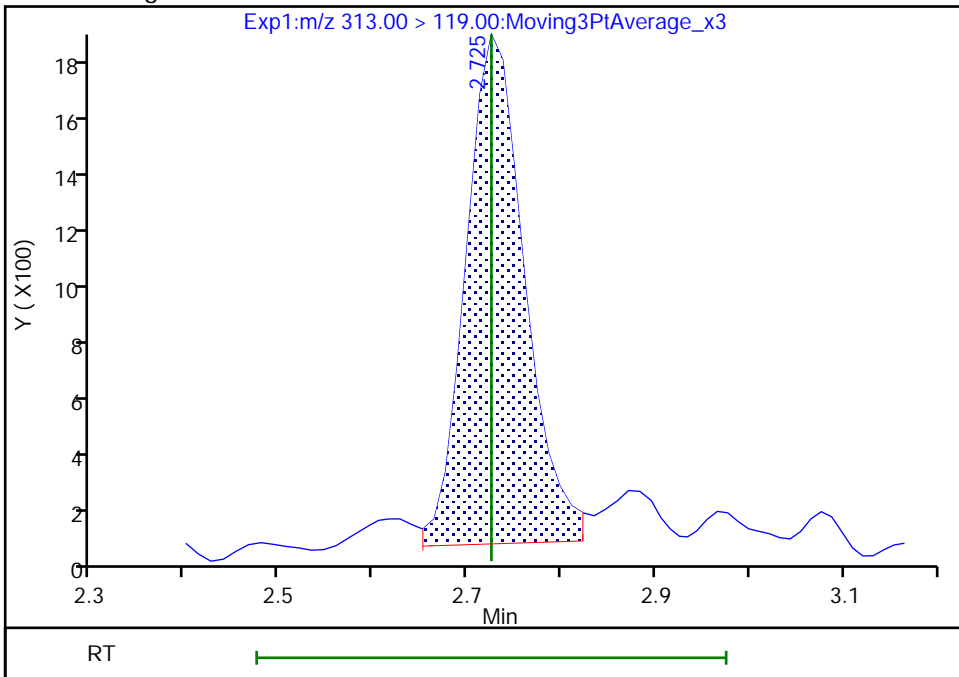
RT: 2.73
Area: 7775
Amount: 0.050000
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 7632
Amount: 0.053742
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:44:54

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

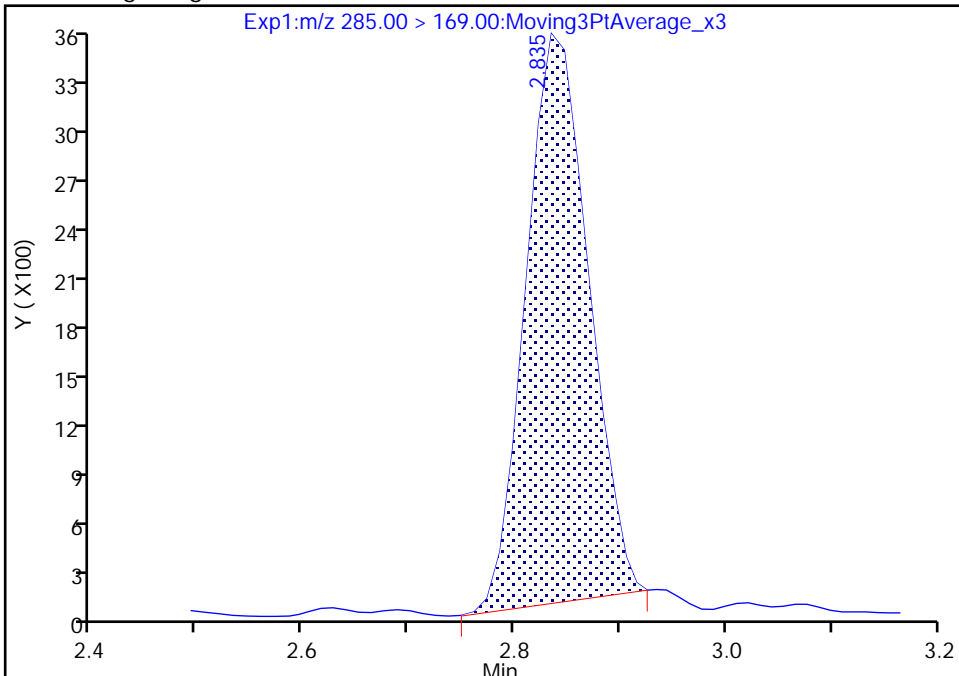
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

67 Perfluoro(2-propoxypropanoic) ac, CAS: 13252-13-6

Signal: 1

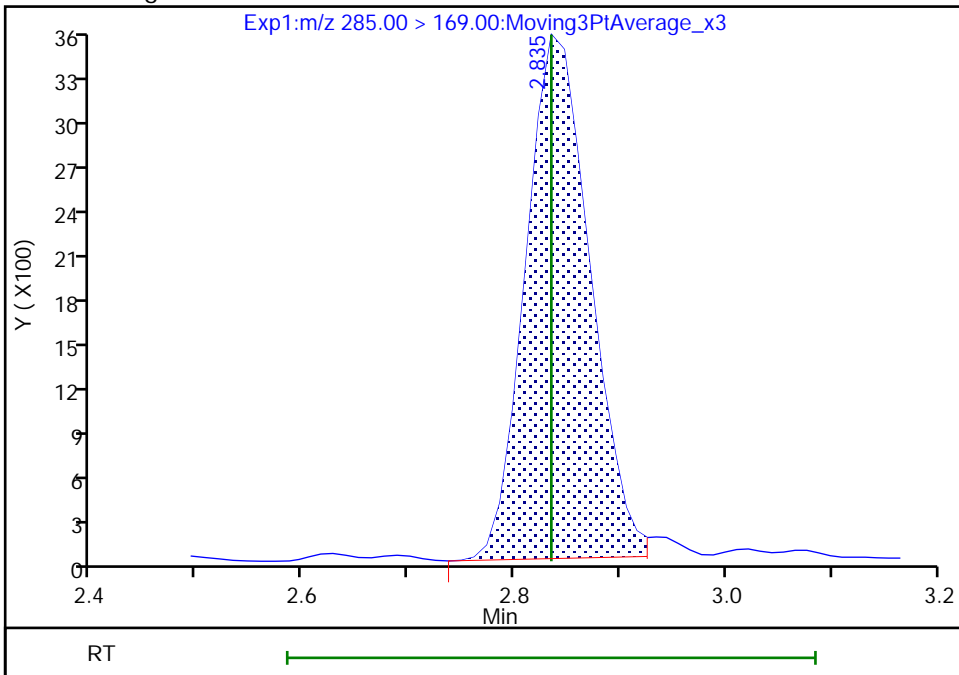
RT: 2.83
Area: 14159
Amount: 0.050000
Amount Units: ng/ml

Processing Integration Results



RT: 2.83
Area: 14811
Amount: 0.051880
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:45:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

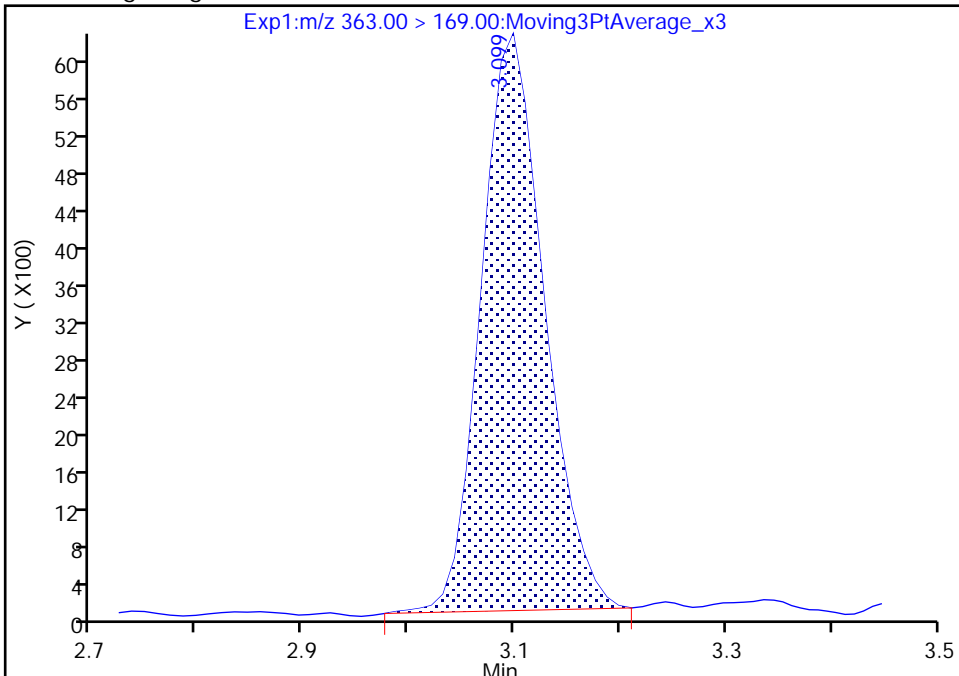
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

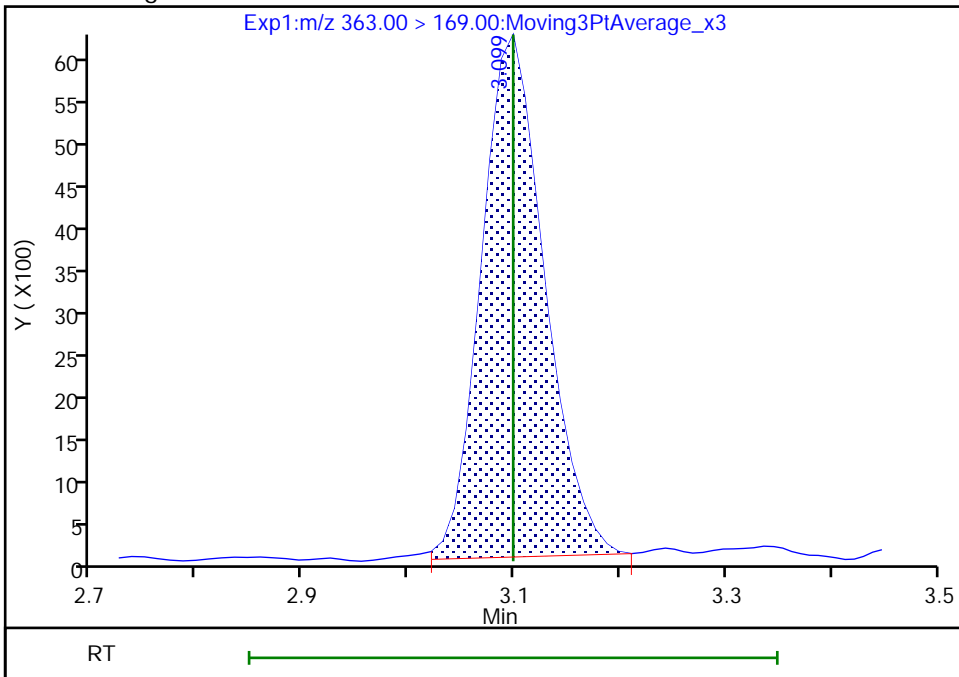
RT: 3.10
Area: 25598
Amount: 0.050000
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 25626
Amount: 0.054935
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:45:29
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

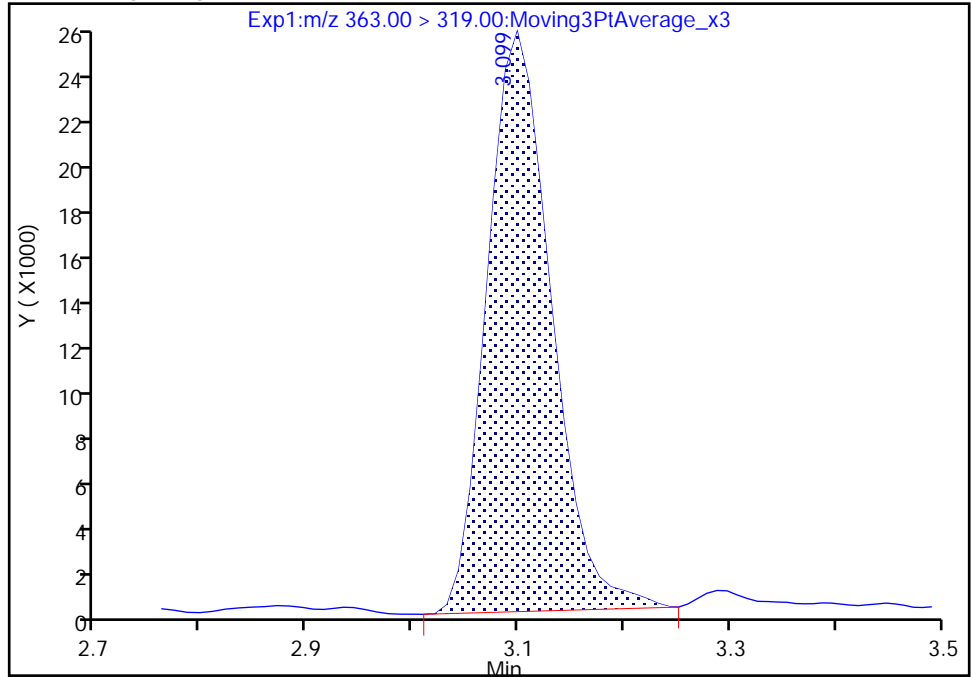
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

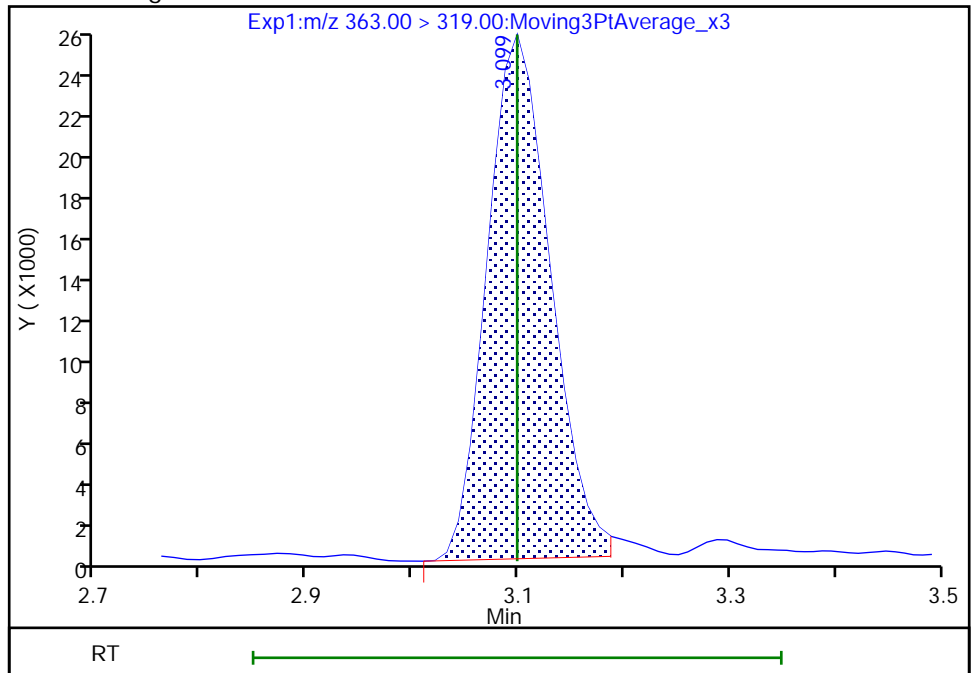
RT: 3.10
Area: 102094
Amount: 0.050000
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 100453
Amount: 0.054935
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:45:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

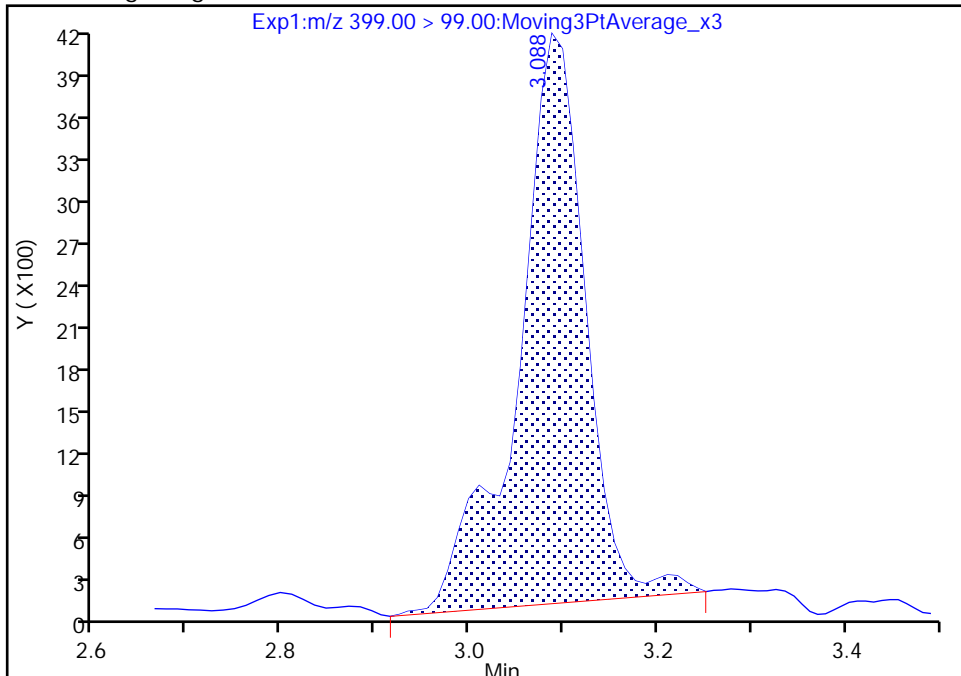
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

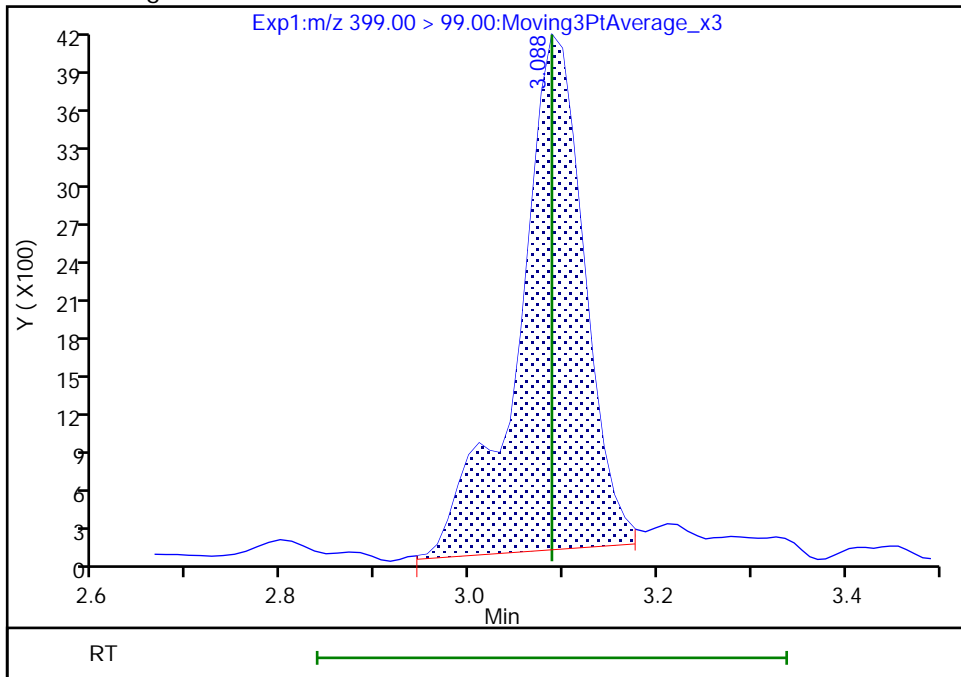
RT: 3.09
Area: 19897
Amount: 0.045500
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 19455
Amount: 0.049046
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:45:18
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

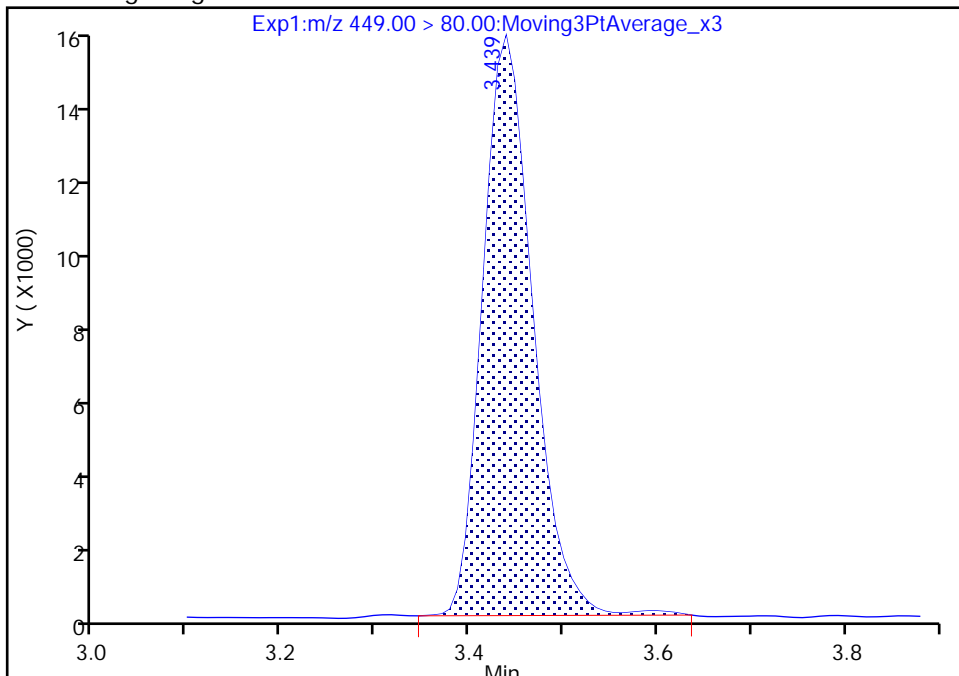
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

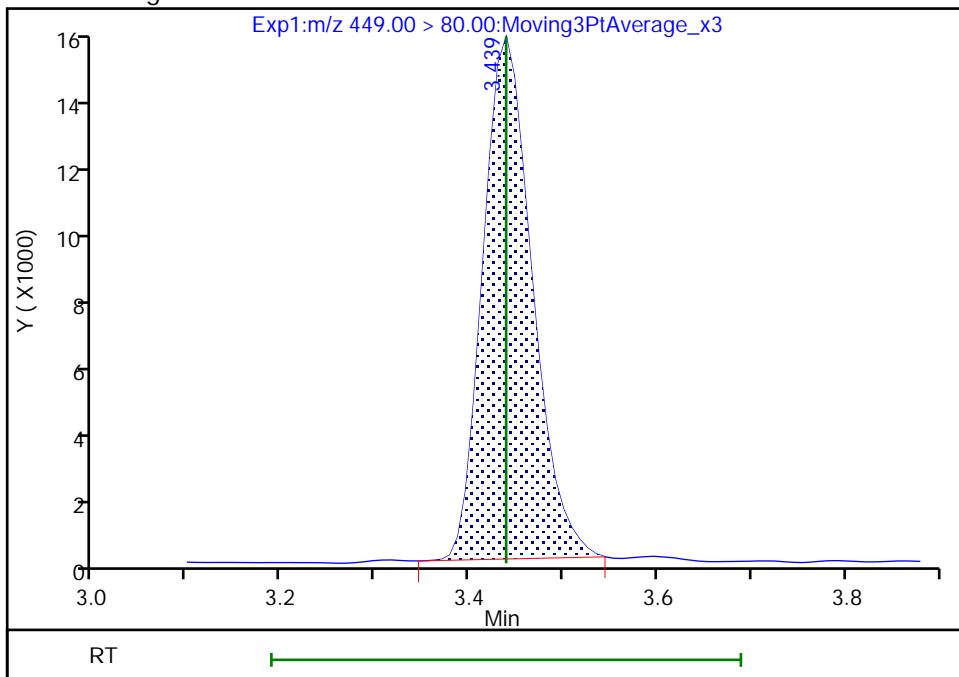
RT: 3.44
Area: 58353
Amount: 0.047600
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 57260
Amount: 0.049533
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:45:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

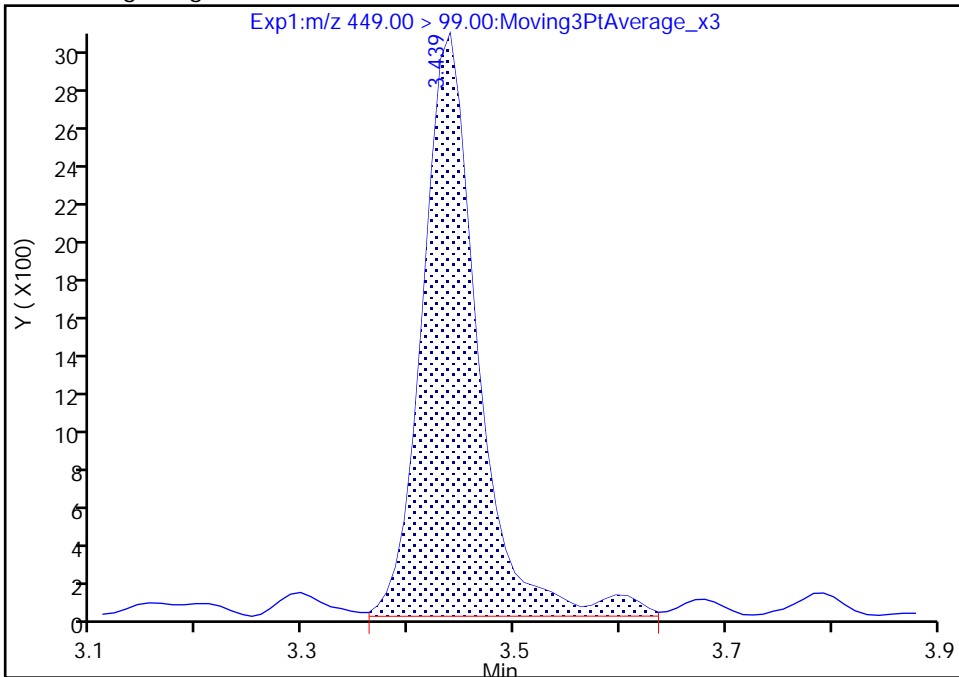
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

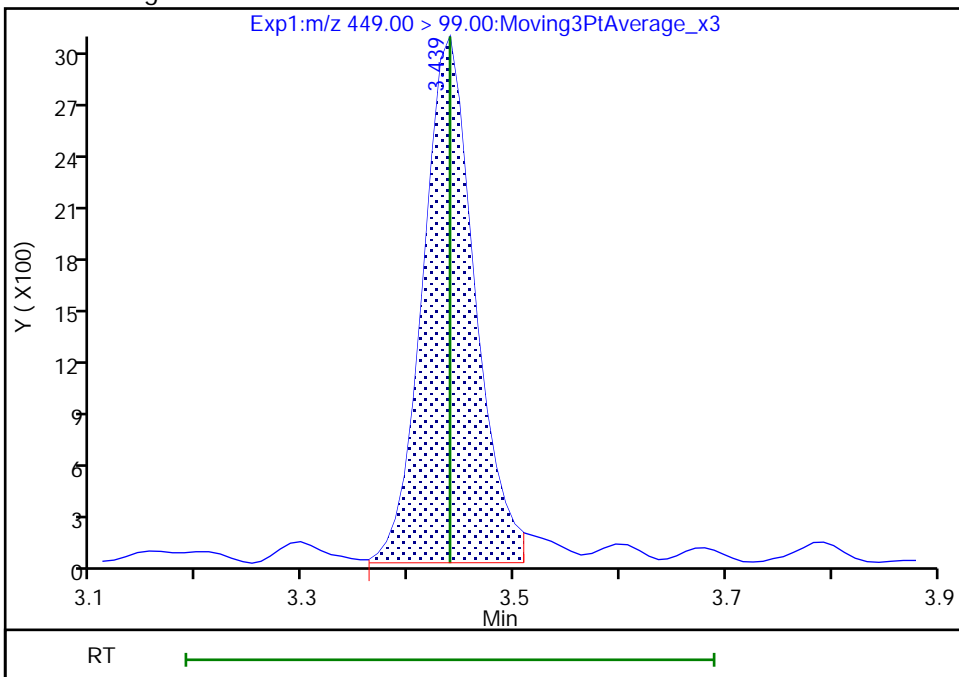
RT: 3.44
Area: 11226
Amount: 0.047600
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 10494
Amount: 0.049533
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:45:53

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

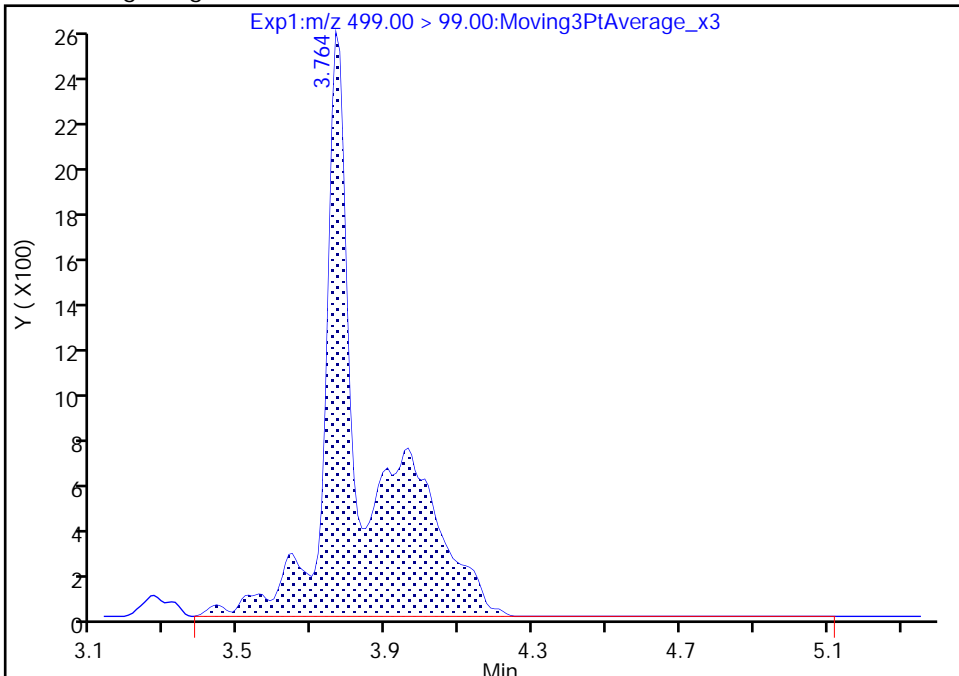
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

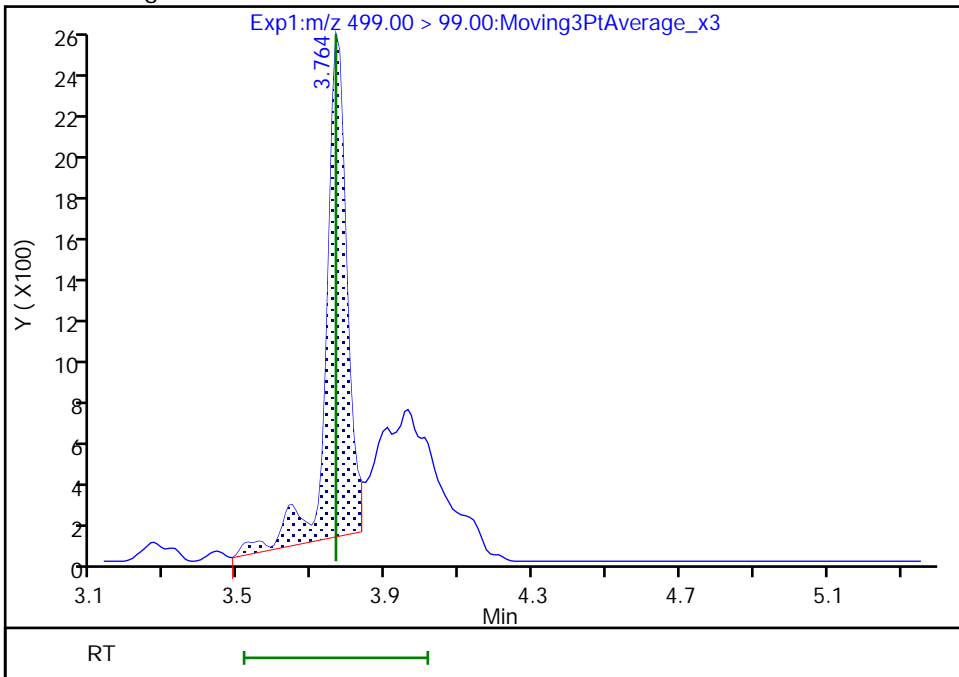
RT: 3.76
Area: 20272
Amount: 0.046400
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 9421
Amount: 0.052820
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:46:21
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

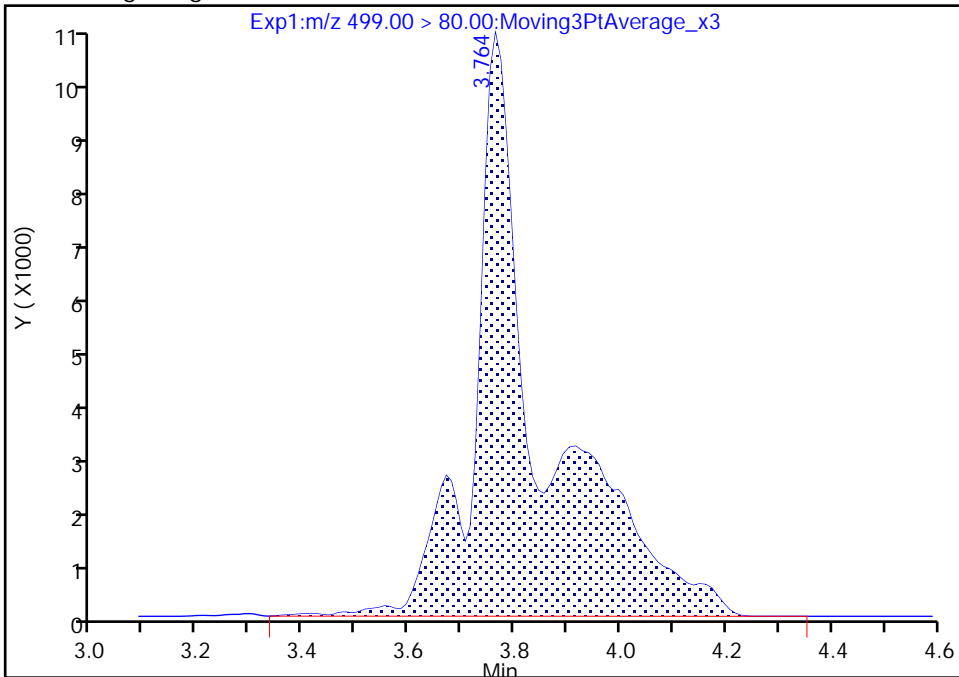
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

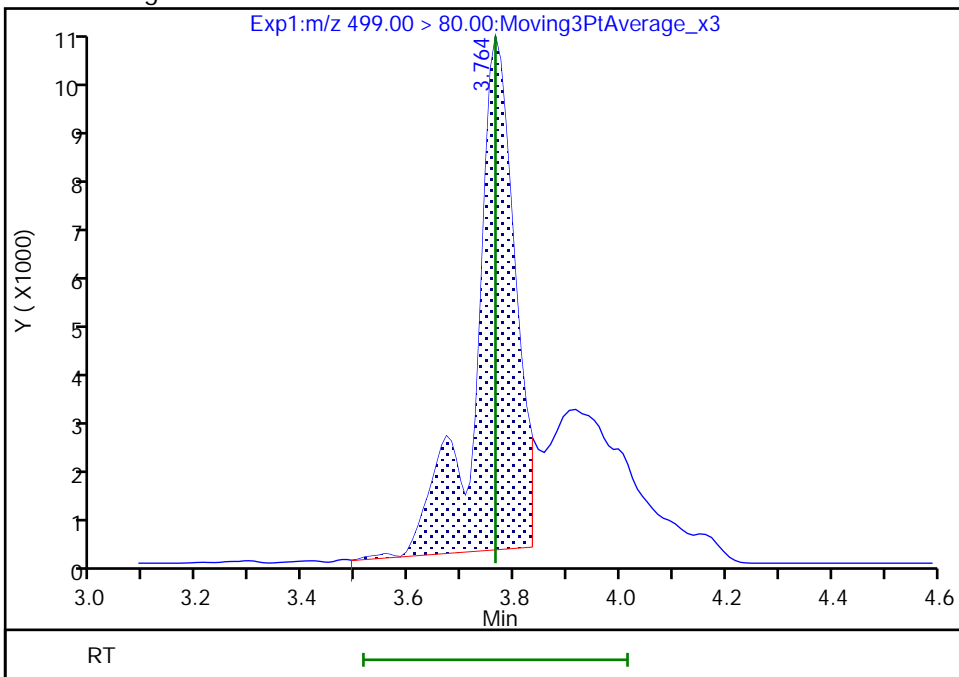
RT: 3.76
Area: 95043
Amount: 0.046400
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 53166
Amount: 0.052820
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:11:10

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

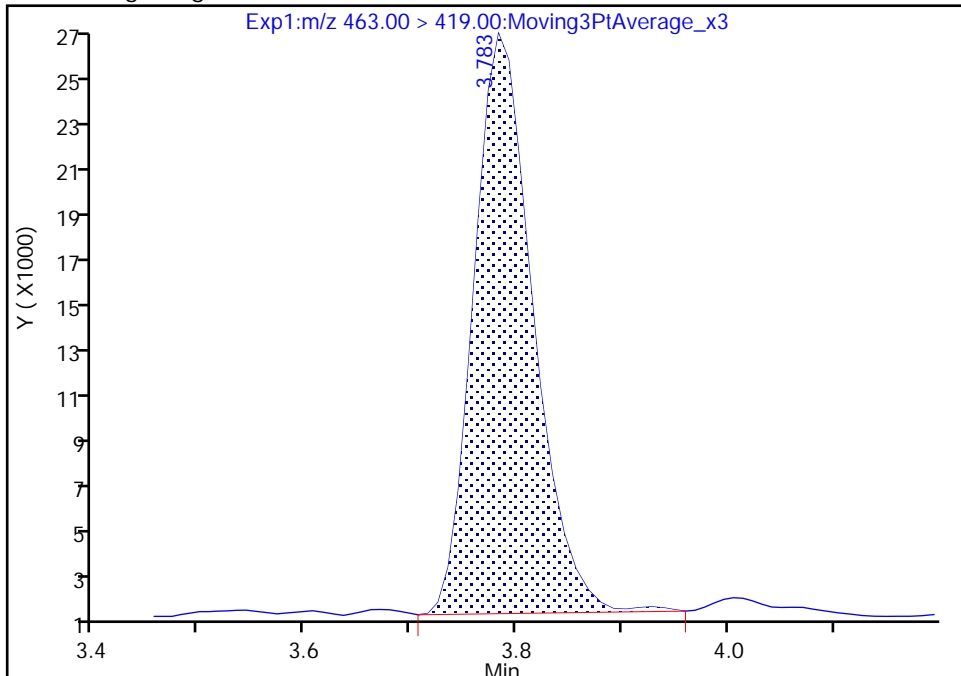
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

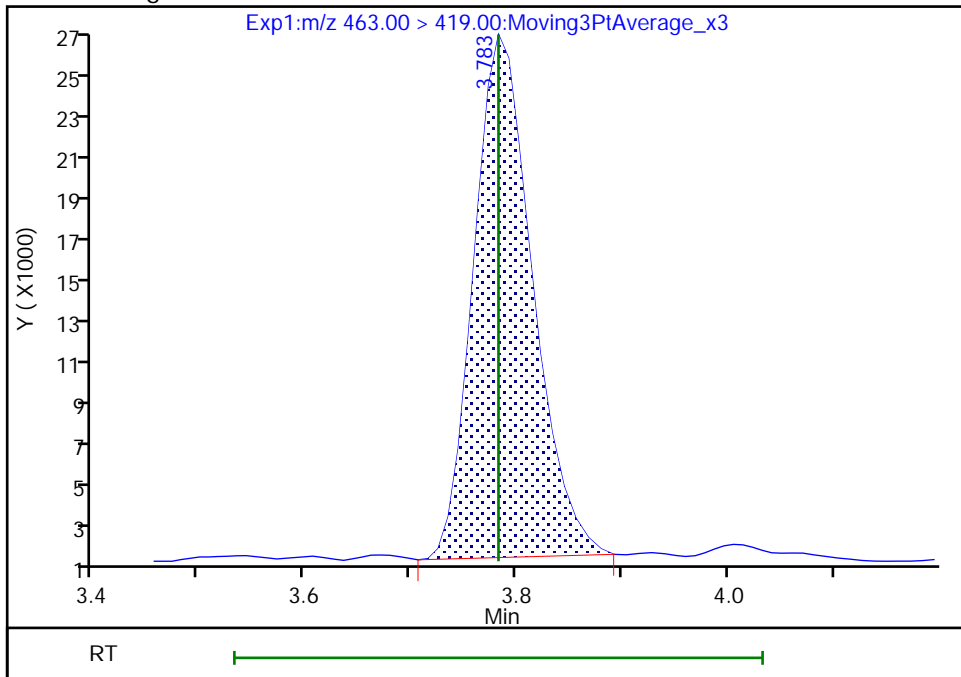
RT: 3.78
Area: 99415
Amount: 0.050000
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 98046
Amount: 0.051796
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:46:34
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

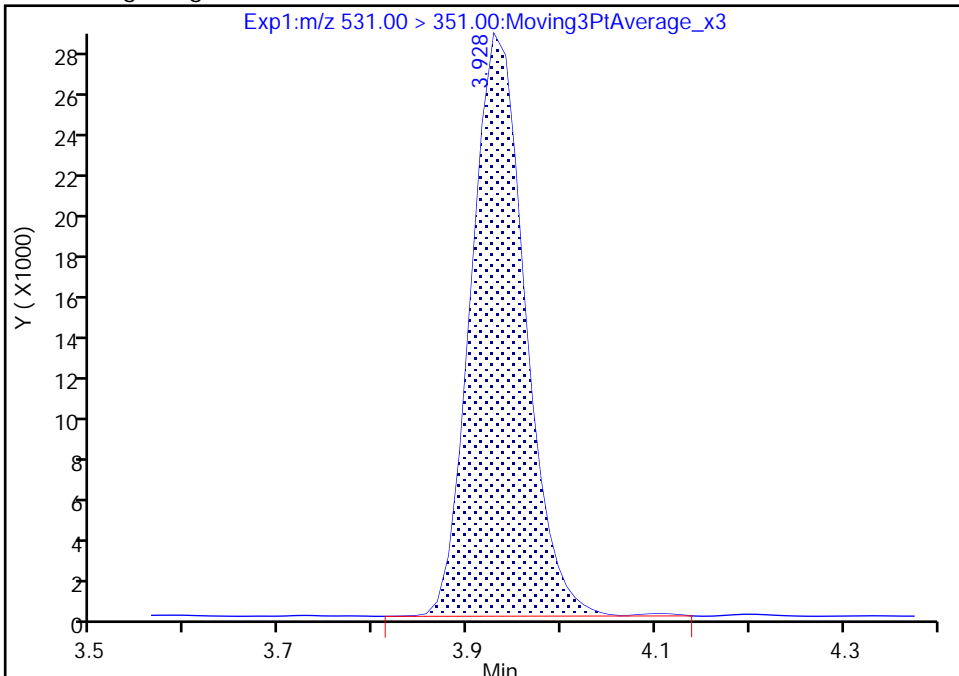
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

69 9-Chlorohexadecafluoro-3-oxanona, CAS: 756426-58-1

Signal: 1

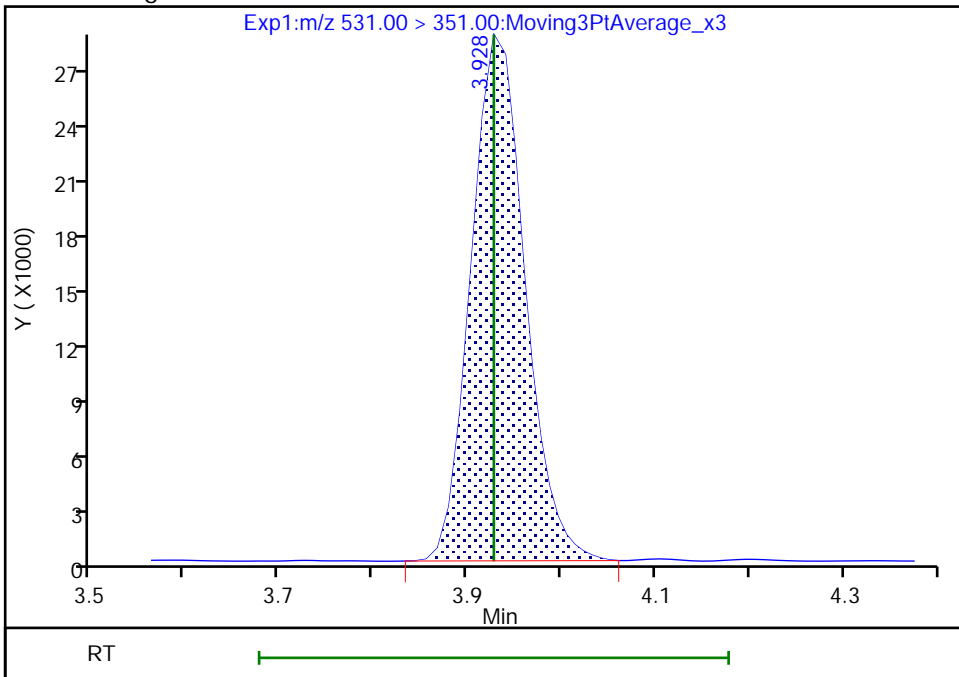
RT: 3.93
Area: 114530
Amount: 0.046600
Amount Units: ng/ml

Processing Integration Results



RT: 3.93
Area: 114059
Amount: 0.049374
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:46:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

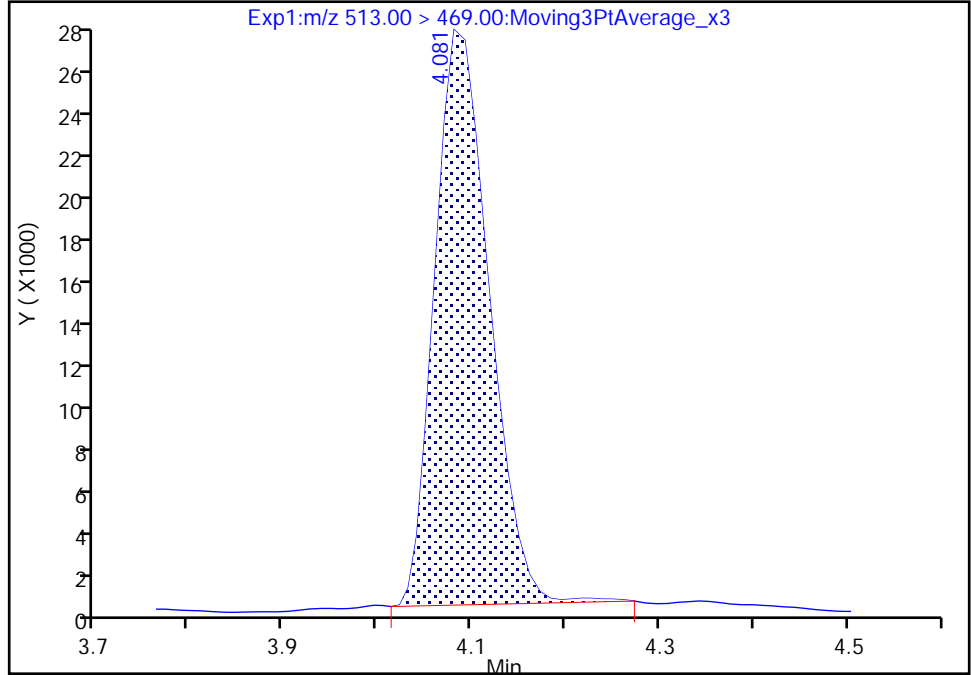
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

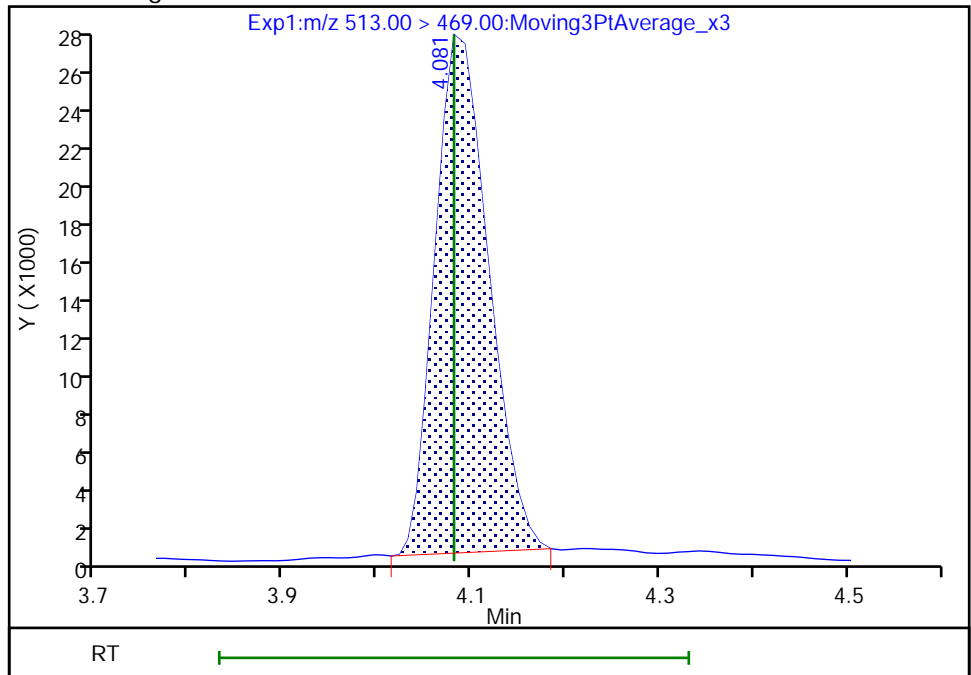
RT: 4.08
Area: 107153
Amount: 0.050000
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 105421
Amount: 0.053763
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:46:52
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

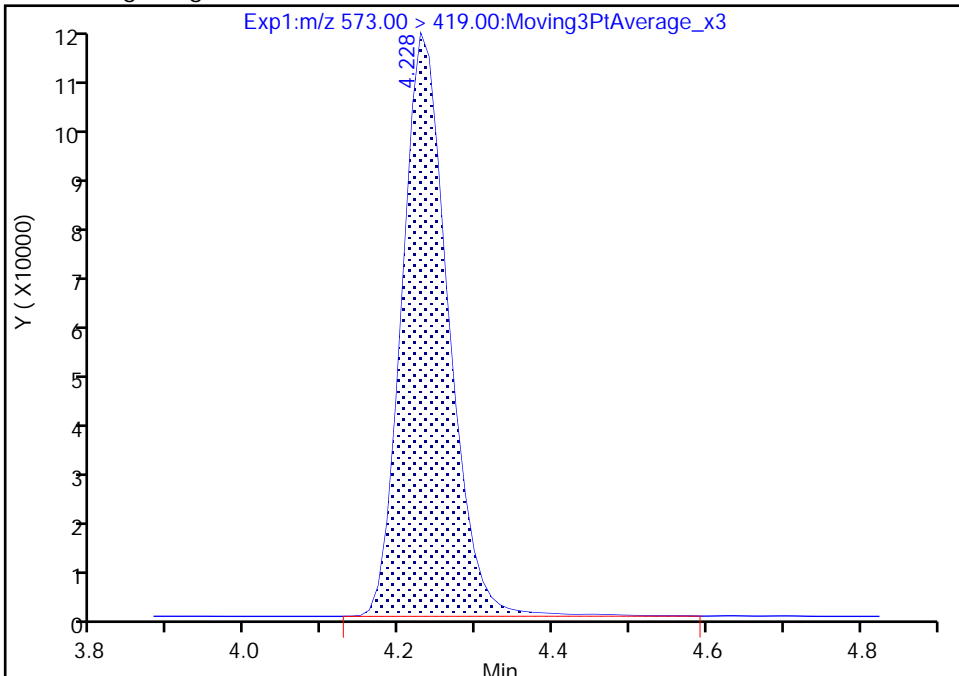
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

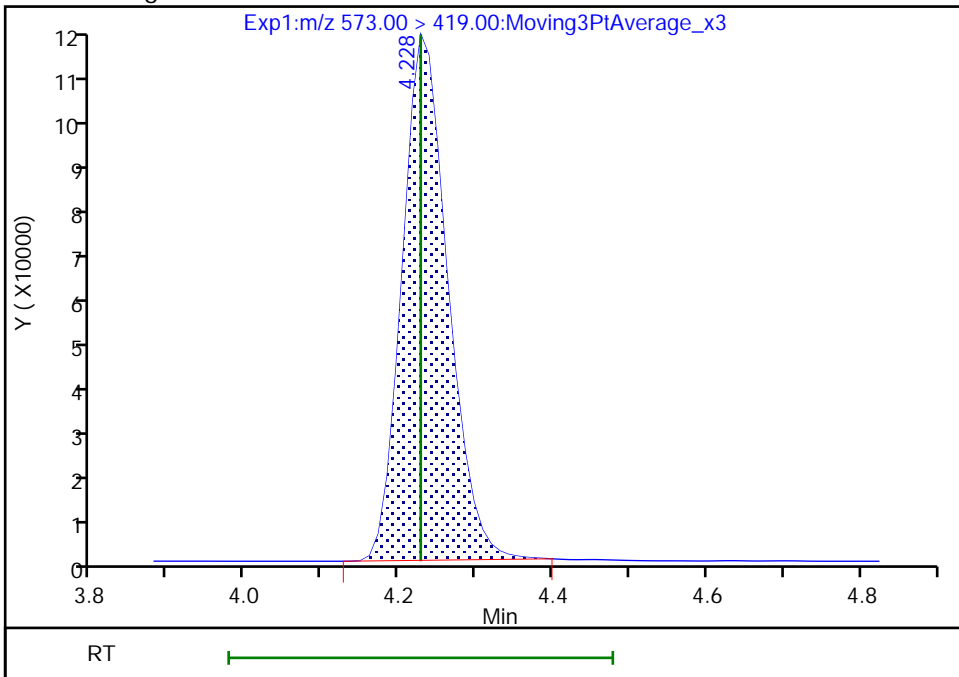
RT: 4.23
Area: 474177
Amount: 1.250000
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 467975
Amount: 1.245981
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:47:03
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

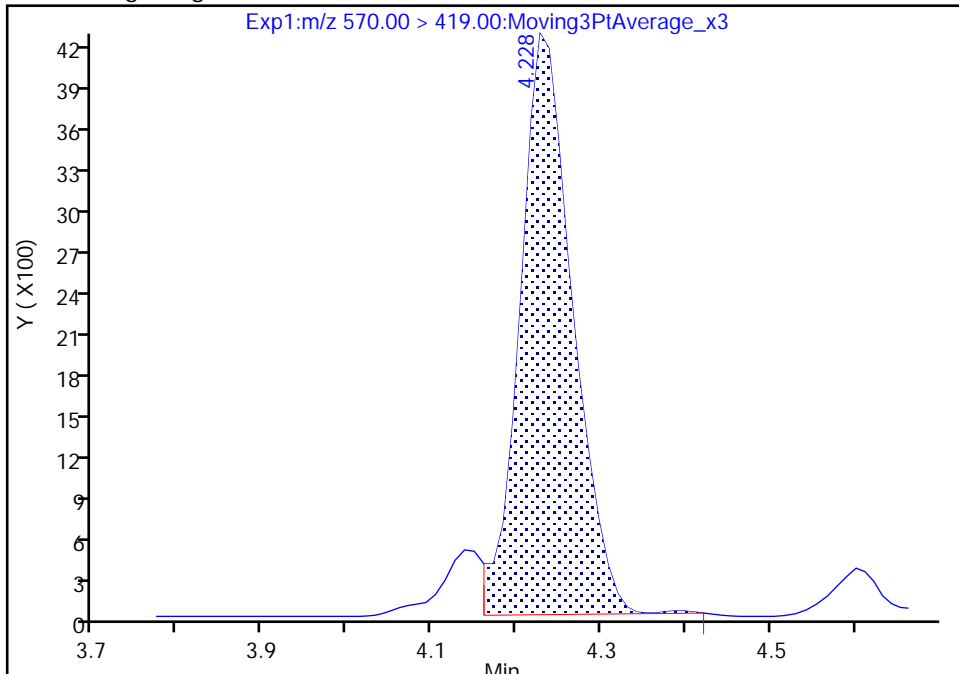
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

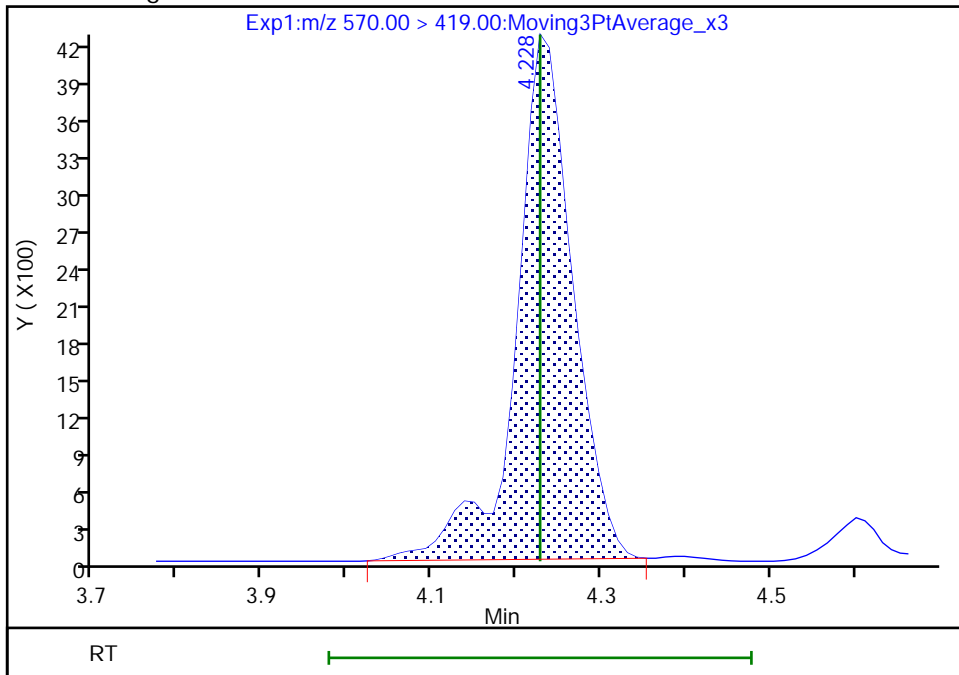
RT: 4.23
Area: 18117
Amount: 0.050000
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 19570
Amount: 0.049139
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:47:07
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

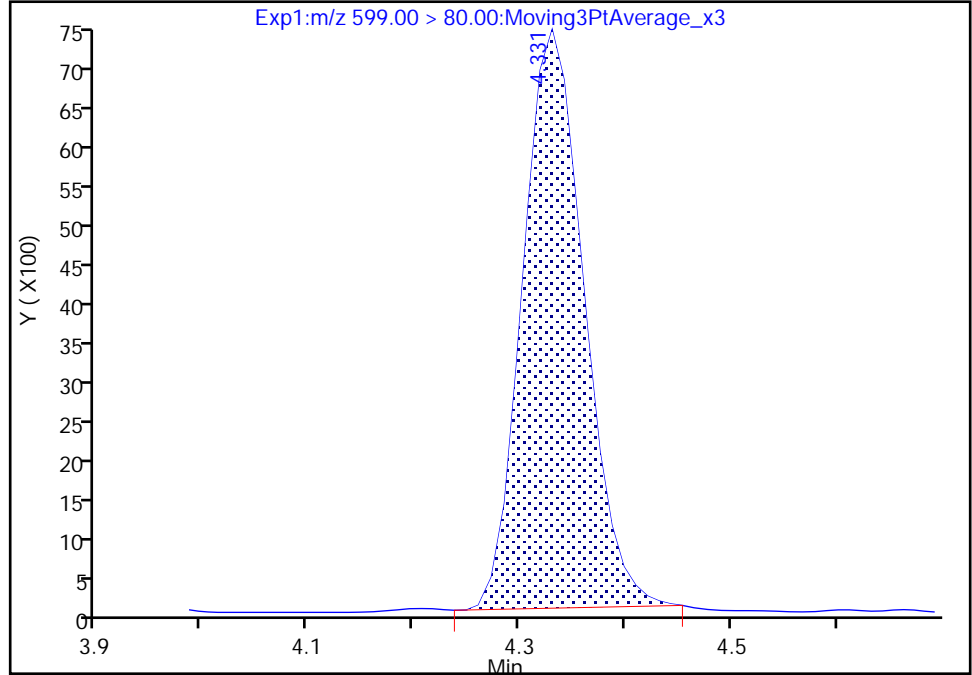
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

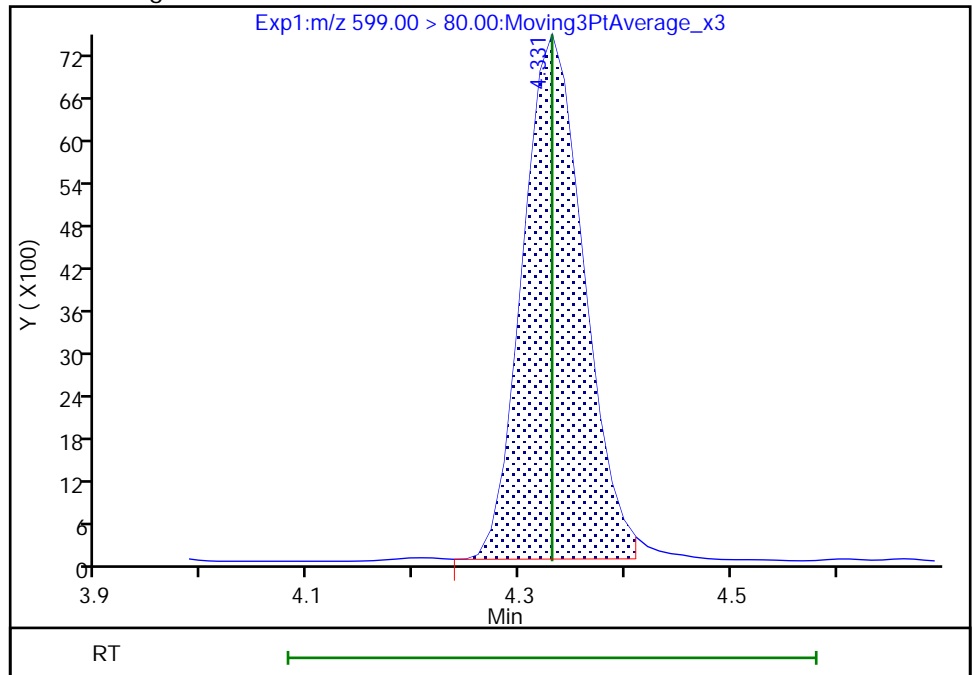
RT: 4.33
Area: 29832
Amount: 0.048200
Amount Units: ng/ml

Processing Integration Results



RT: 4.33
Area: 29817
Amount: 0.049707
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:47:21
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

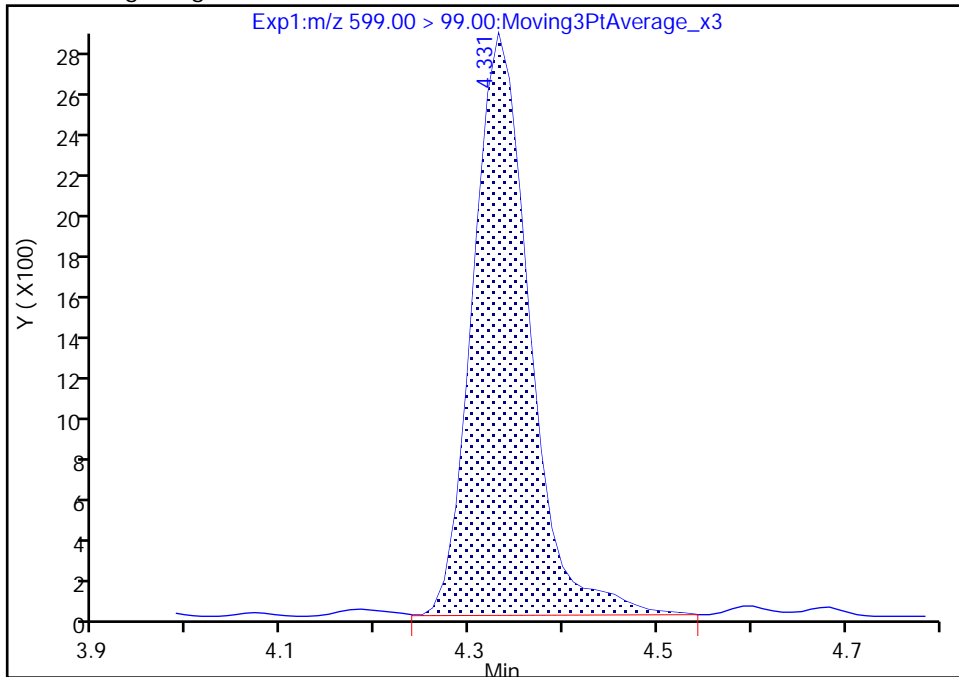
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

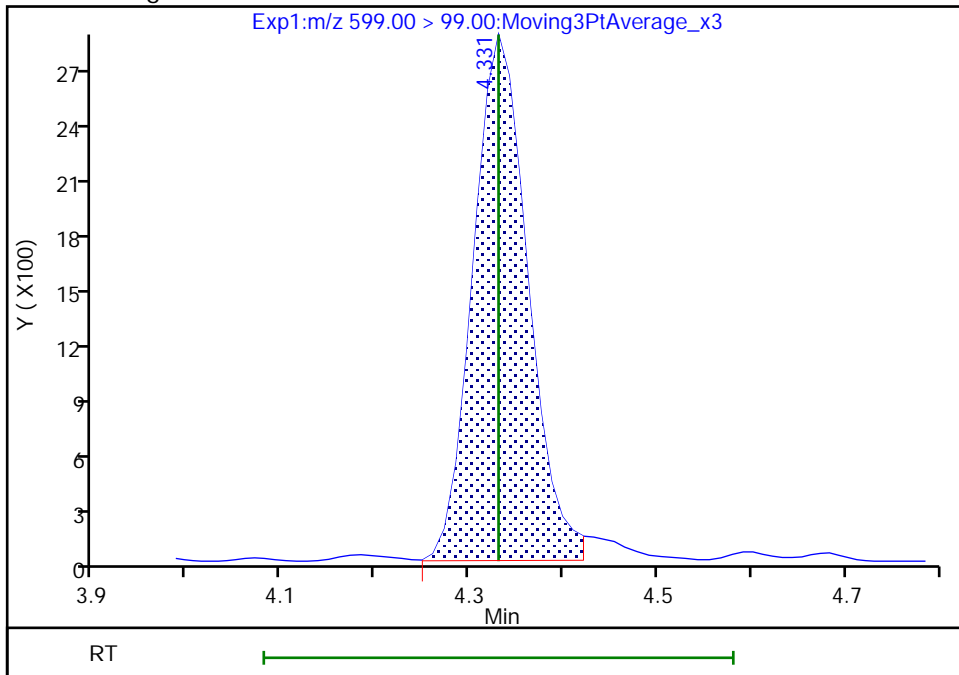
RT: 4.33
Area: 11882
Amount: 0.048200
Amount Units: ng/ml

Processing Integration Results



RT: 4.33
Area: 11494
Amount: 0.049707
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:47:34

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

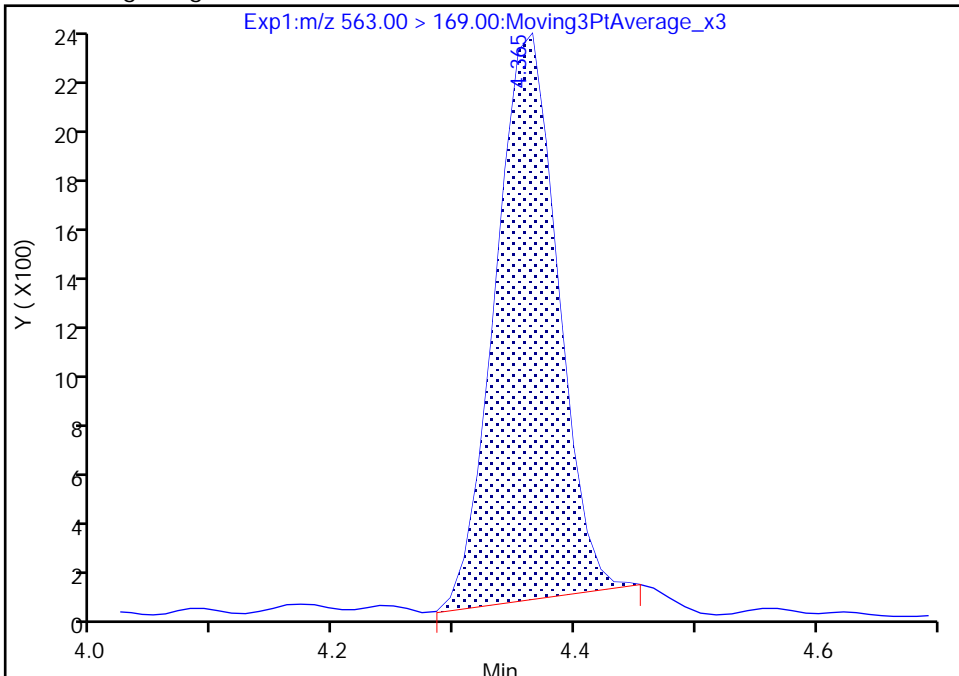
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

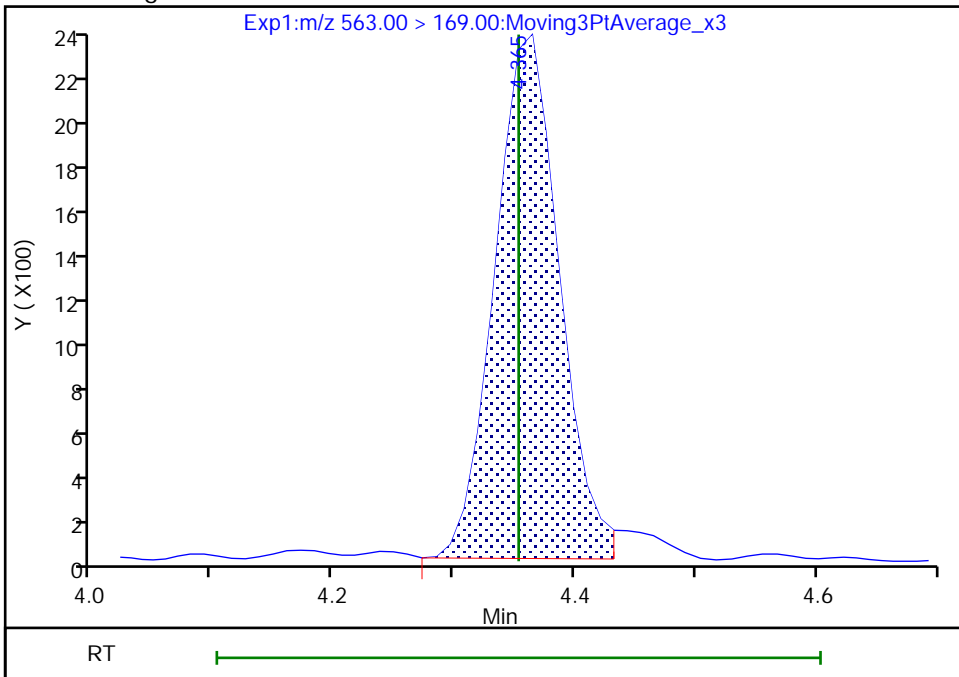
RT: 4.36
Area: 8199
Amount: 0.050000
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 8638
Amount: 0.051917
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:47:47
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

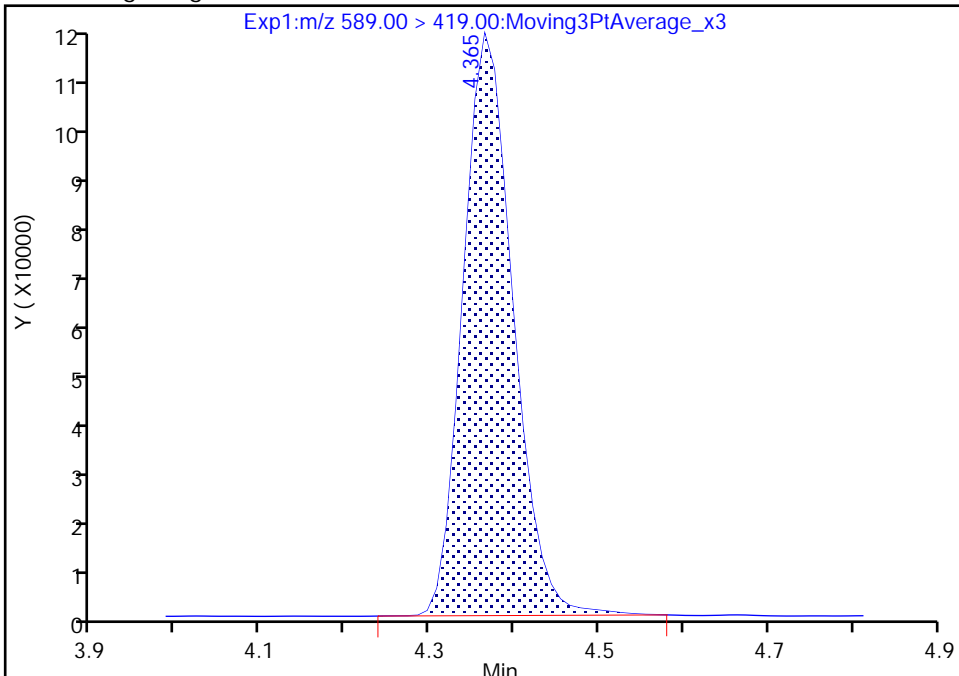
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 32 d5-NEtFOSAA, CAS: STL02117

Signal: 1

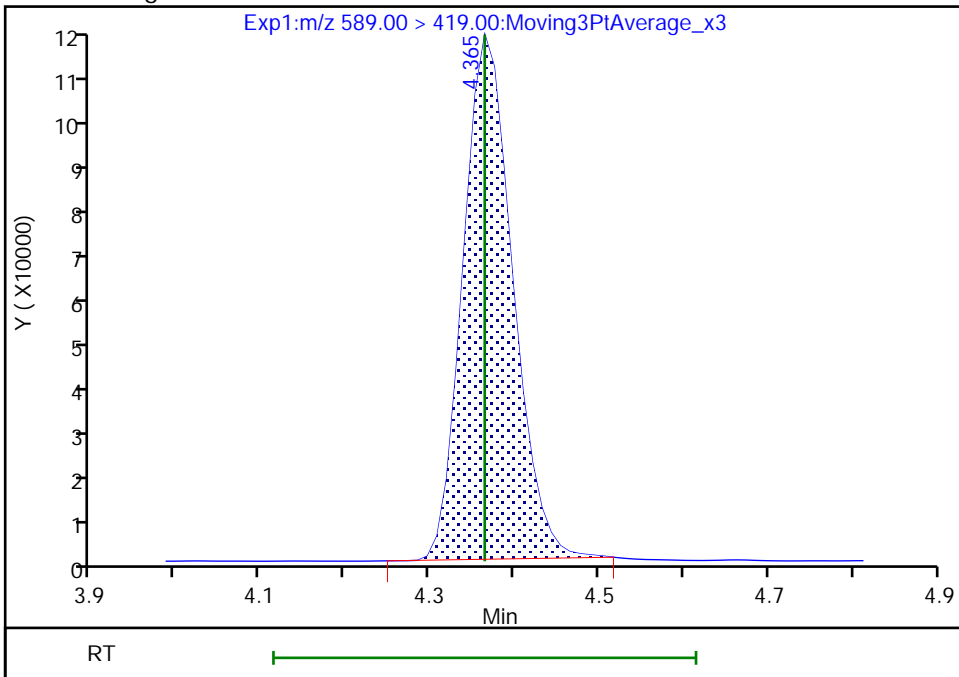
RT: 4.36
Area: 459600
Amount: 1.250000
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 453643
Amount: 1.226647
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:48:03
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

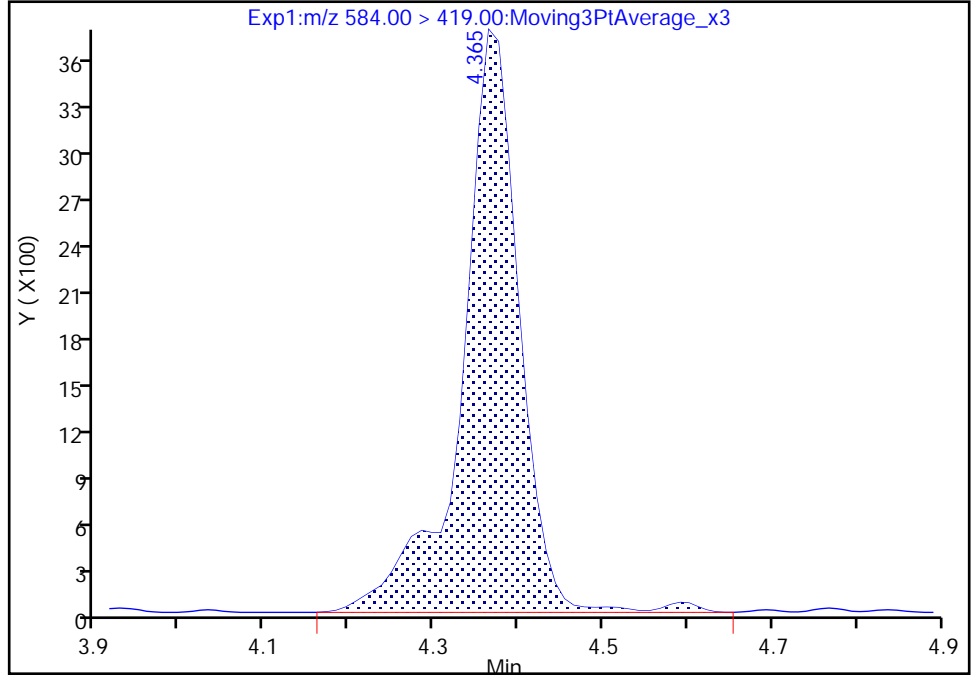
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

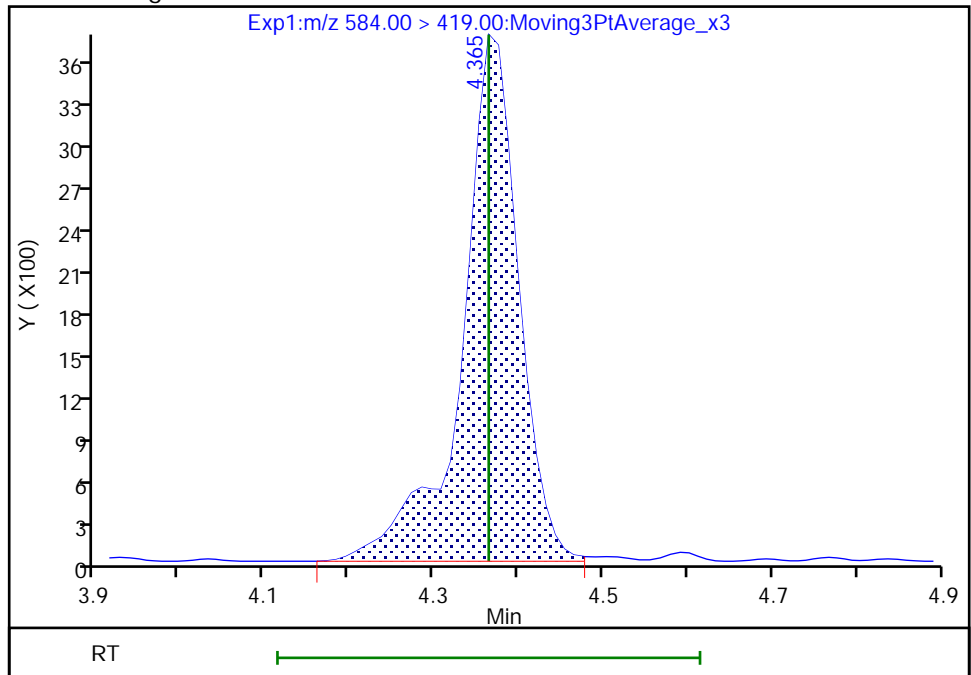
RT: 4.36
Area: 17811
Amount: 0.050000
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 17526
Amount: 0.053943
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:48:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

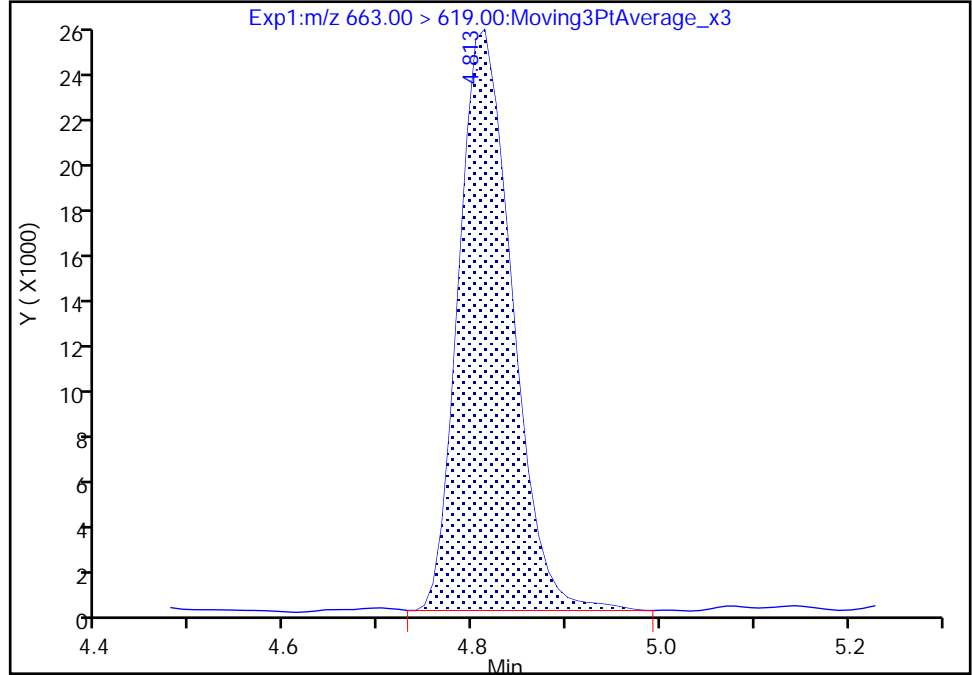
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

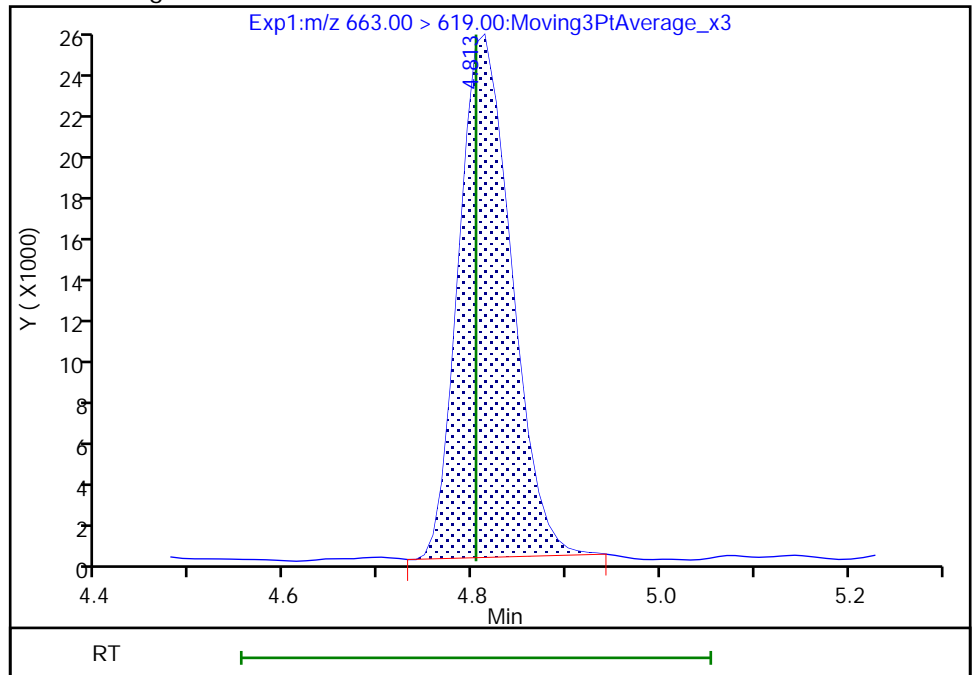
RT: 4.81
Area: 96503
Amount: 0.050000
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 94610
Amount: 0.053532
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:48:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

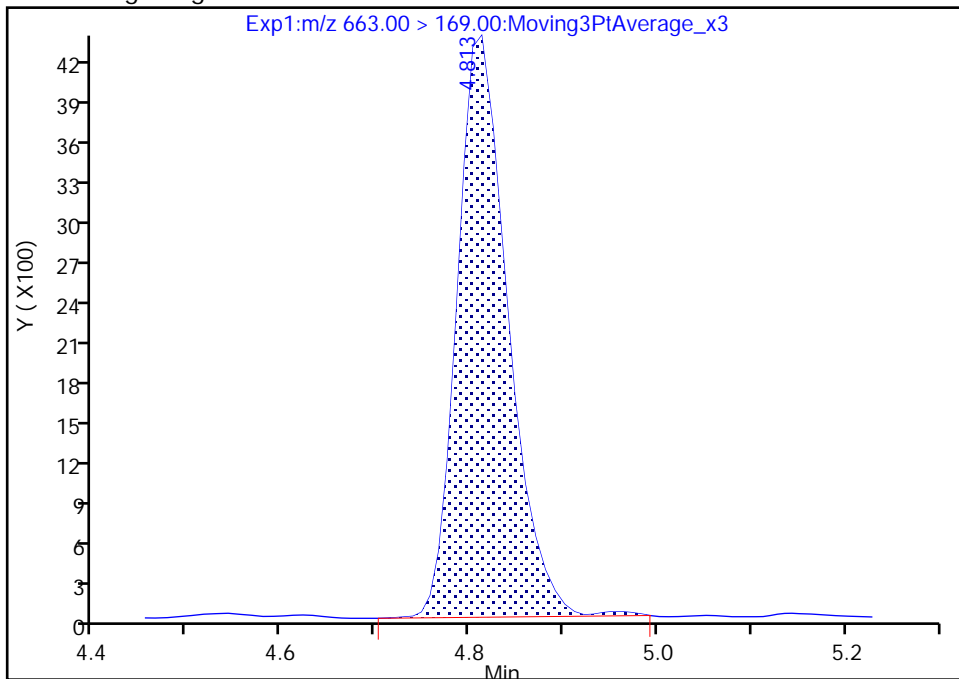
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

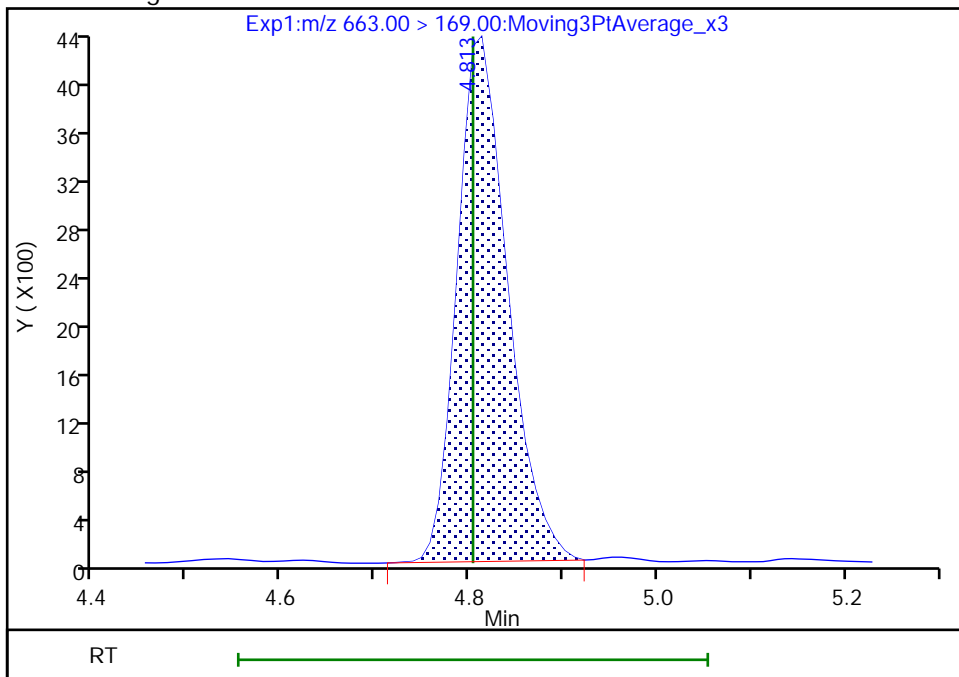
RT: 4.81
Area: 16454
Amount: 0.050000
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 16297
Amount: 0.053532
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:48:34

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

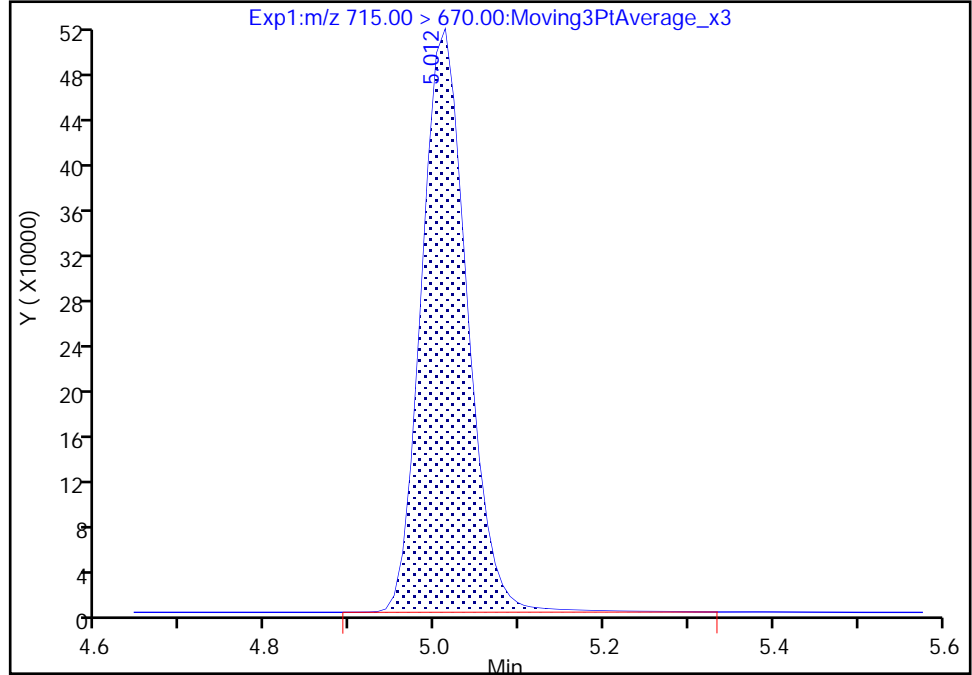
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116
Signal: 1

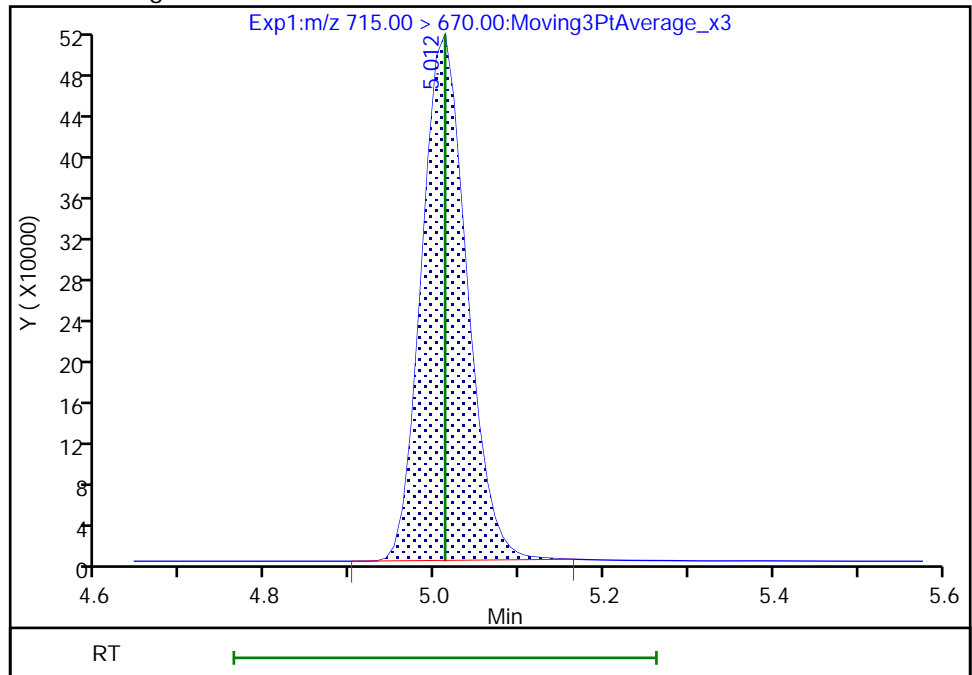
RT: 5.01
Area: 1903053
Amount: 1.250000
Amount Units: ng/ml

Processing Integration Results



RT: 5.01
Area: 1883348
Amount: 1.265294
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:48:40
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

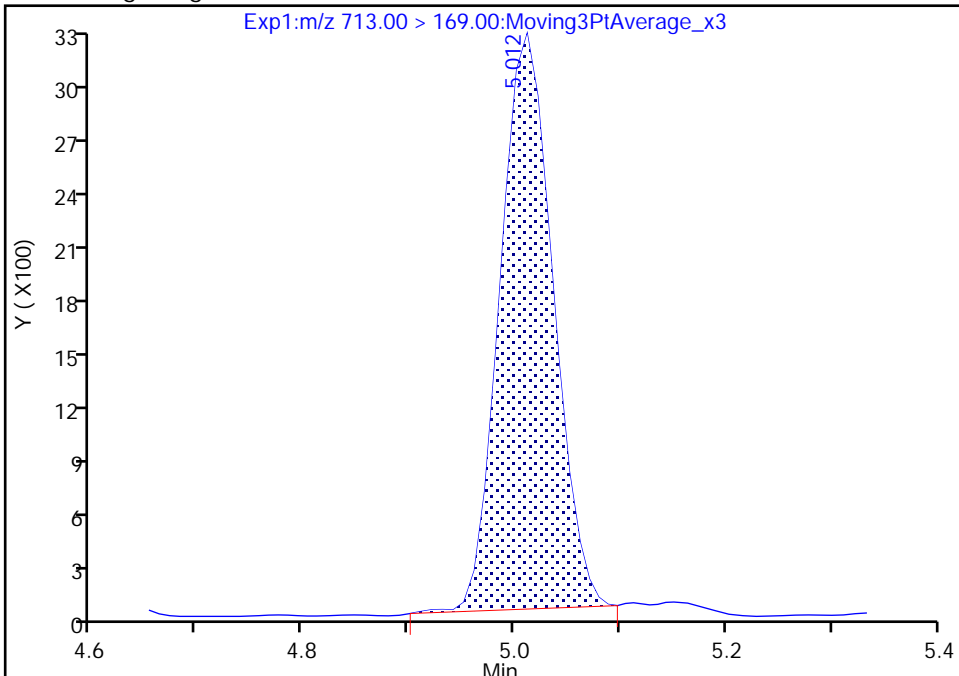
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

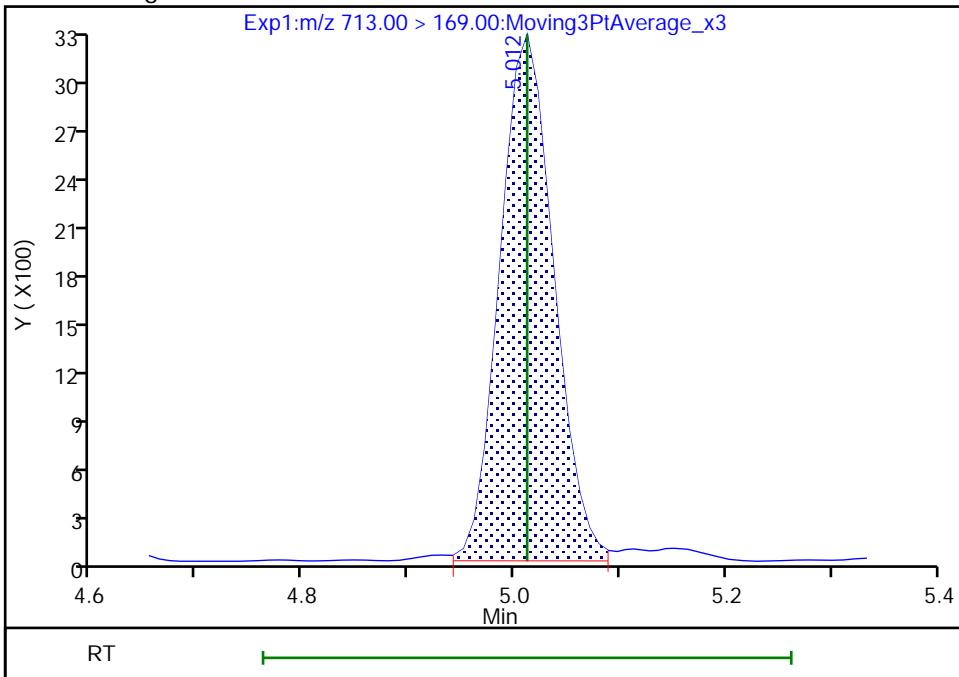
RT: 5.01
Area: 11187
Amount: 0.050000
Amount Units: ng/ml

Processing Integration Results



RT: 5.01
Area: 11500
Amount: 0.055753
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:48:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 18-Nov-2022 14:38:04 ALS Bottle#: 3 Worklist Smp#: 6
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 200-0053396-006 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 18-Nov-2022 15:37:28 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1602

First Level Reviewer: Z1IP Date: 18-Nov-2022 14:58:14

Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA	217.00 > 172.00	2.076	2.076	0.0	0.602	2583086	1.21	96.9	9408	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.076	2.076	0.0	1.000	236091	0.1108		111	21.0	M
D 3 13C5 PFPeA	267.90 > 223.00	2.386	2.387	-0.001	0.692	1926794	1.19	94.9	3850	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.386	2.387	-0.001	1.000	187282	0.1115		111	4.9	M
D 47 13C3 PFBS	301.90 > 80.00	2.400	2.400	0.0	0.696	1974243	1.12	96.2	328948	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.400	2.400	0.0	1.000	183390	0.0944	Target=2.14	107	309	
298.90 > 99.00	2.400	2.400	0.0	1.000	85972		2.13(1.07-3.21)	107	70.2	
61 1H,1H,2H,2H-perfluorohexanesulfo	327.00 > 307.00	2.689	2.689	0.0	1.000	45908	0.0984	105	573	
D 60 M2-4:2 FTS	329.00 > 81.00	2.689	2.689	0.0	0.780	176875	1.13	97.1	179	
D 7 13C2 PFHxA	315.00 > 270.00	2.725	2.725	0.0	0.791	2057289	1.21	96.7	7228	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.725	2.725	0.0	1.000	191103	0.1066	Target=13.44	107	38.9	M
313.00 > 119.00	2.737	2.725	0.012	1.004	15417		12.40(6.72-20.15)	107	31.5	
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.737	2.737	0.0	0.887	163879	0.0962	Target=2.98	103	479	
349.00 > 99.00	2.737	2.737	0.0	0.887	57172		2.87(1.49-4.47)	103	155	
D 64 13C3 HFPO-DA	287.00 > 169.00	2.835	2.835	0.0	0.822	352715	1.17	93.9	2364	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.835	2.835	0.0	1.000	32429	0.1088		109	149	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.087	3.088	-0.001	0.896	1507942	1.17		99.2	4316	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.087	3.088	-0.001	1.000	130263	0.0905	Target=3.57	99.5	182	M
399.00 > 99.00	3.087	3.088	-0.001	1.000	38491		3.38(1.78-5.35)	99.5	56.5	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.098	3.099	-0.001	0.899	2087570	1.19		95.4	3803	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.098	3.099	-0.001	1.000	194803	0.1071	Target=3.93	107	42.8	
363.00 > 169.00	3.098	3.099	-0.001	1.000	47936		4.06(1.96-5.89)	107	94.2	
77 DONA										
377.00 > 251.00	3.132	3.132	0.0	0.832	483450	0.1038	Target=3.08	110	566	
377.00 > 85.00	3.132	3.132	0.0	0.832	147632		3.27(1.54-4.62)	110	242	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.438	3.439	-0.001	0.997	254748	1.18		99.5	767	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.438	3.439	-0.001	1.000	45963	0.0896		94.5	167	
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.438	3.439	-0.001	0.914	121399	0.1028	Target=5.16	108	441	M
449.00 > 99.00	3.438	3.439	-0.001	0.914	23934		5.07(2.58-7.74)	108	110	
D 14 13C4 PFOA										
417.00 > 372.00	3.446	3.448	-0.002	1.000	2369406	1.20		96.3	3967	
* 62 13C2 PFOA										
415.00 > 370.00	3.446	3.448	-0.002		2377284	1.25			4122	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.446	3.448	-0.002	1.000	206480	0.1019	Target=2.82	102	15.9	
413.00 > 169.00	3.446	3.448	-0.002	1.000	71984		2.87(1.41-4.23)	102	117	M
D 18 13C4 PFOS										
503.00 > 80.00	3.762	3.764	-0.002	1.092	1010315	1.16		96.9	3177	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.762	3.764	-0.002	1.000	105528	0.1026	Target=5.01	111	19.8	M
499.00 > 99.00	3.762	3.764	-0.002	1.000	20524		5.14(2.50-7.51)	111	18.9	M
D 19 13C5 PFNA										
468.00 > 423.00	3.781	3.783	-0.002	1.097	2362013	1.23		98.8	5871	
20 Perfluorononanoic acid										M
463.00 > 419.00	3.781	3.783	-0.002	1.000	201460	0.1028	Target=8.49	103	42.2	M
463.00 > 169.00	3.781	3.783	-0.002	1.000	23149		8.70(4.25-12.74)	103	158	M
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.927	3.928	-0.001	1.044	230911	0.0979		105	881	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.050	4.050	0.0	1.076	79193	0.1020	Target=2.60	106	665	
549.00 > 99.00	4.060	4.050	0.010	1.079	30661		2.58(1.30-3.90)	106	228	
D 23 13C2 PFDA										M
515.00 > 470.00	4.081	4.081	0.0	1.184	2439344	1.25		100	2392	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										
513.00 > 469.00	4.081	4.081	0.0	1.000	217999	0.1030	Target=10.03	103	91.5	
513.00 > 169.00	4.081	4.081	0.0	1.000	22750		9.58(5.02-15.05)	103	49.9	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.092	4.093	-0.001	1.187	307241	1.16		97.3	979	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.092	4.093	-0.001	1.000	41049	0.0989		103	314	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.150	4.150	0.0	1.000	172977	0.1090		109	454	
D 21 13C8 FOSA										
506.00 > 78.00	4.150	4.150	0.0	1.204	1899612	1.19		95.1	1746	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.228	4.228	0.0	1.227	478399	1.21		96.4	1389	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.238	4.228	0.010	1.002	34156	0.0921		92.1	69.3	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.331	4.331	0.0	1.151	60768	0.0992	Target=2.58	103	528	
599.00 > 99.00	4.319	4.331	-0.012	1.148	26777		2.27(1.29-3.86)	103	451	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.353	4.353	0.0	1.000	176444	0.1033	Target=10.10	103	79.0	M
563.00 > 169.00	4.353	4.353	0.0	1.000	17359		10.16(5.05-15.15)	103	193	
D 30 13C2 PFUnA										
565.00 > 520.00	4.353	4.353	0.0	1.263	2119319	1.19		95.0	2896	
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.365	4.365	-0.001	1.000	36650	0.1062		106	294	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.365	4.365	-0.001	1.266	481823	1.23		98.6	823	
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.454	4.454	0.0	1.184	370183	0.1018		108	942	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.591	4.591	0.0	1.000	194829	0.1069	Target=7.41	107	14.3	M
613.00 > 169.00	4.591	4.591	0.0	1.000	26866		7.25(3.70-11.11)	107	229	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.591	4.591	0.0	1.332	2150435	1.18		94.6	2247	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.612	4.612	0.0	1.127	24005	0.0963		99.9	288	
75 Perfluorododecanesulfonic acid (
699.00 > 80.00	4.776	4.776	0.0	1.269	26552	0.1024	Target=0.51	106	356	M
699.00 > 99.00	4.776	4.776	0.0	1.269	51408		0.52(0.25-0.76)	106	502	M
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.803	4.804	-0.001	1.046	189059	0.1085	Target=5.40	108	14.6	M
663.00 > 169.00	4.803	4.804	-0.001	1.046	34380		5.50(2.70-8.10)	108	228	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.012	5.012	0.0	1.000	21567	0.1016	Target=0.90	102	213	
713.00 > 219.00	5.002	5.012	-0.010	0.998	23639		0.91(0.45-1.35)	102	321	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.012	5.012	0.0	1.454	1938056	1.23		98.6	1755	M

Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										
815.00 > 770.00	5.366	5.367	-0.001	1.557	2401907	1.24		98.8	4376	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.366	5.367	-0.001	1.000	206119	0.0996	Target=5.85	99.6	19.0	
813.00 > 169.00	5.366	5.367	-0.001	1.000	34091		6.05(2.93-8.78)	99.6	238	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.722	5.722	0.0	1.066	159361	0.1007	Target=6.30	101	19.9	M
913.00 > 169.00	5.722	5.722	0.0	1.066	24213		6.58(3.15-9.46)	101	250	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC2_00013

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d

Injection Date: 18-Nov-2022 14:38:04

Instrument ID: LC812

Lims ID: IC

Client ID:

Operator ID: lc812tech

ALS Bottle#: 3

Worklist Smp#: 6

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

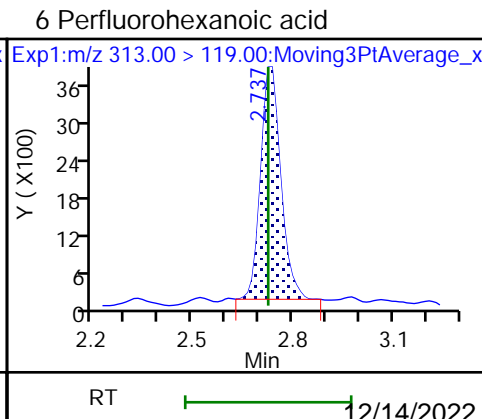
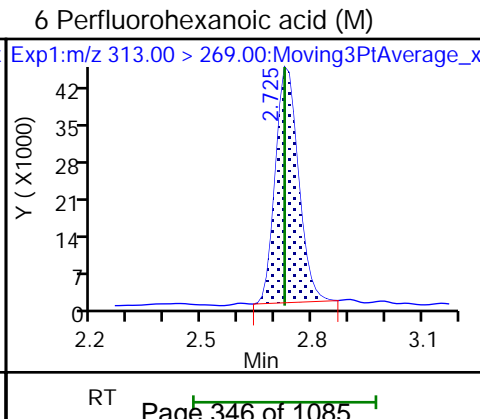
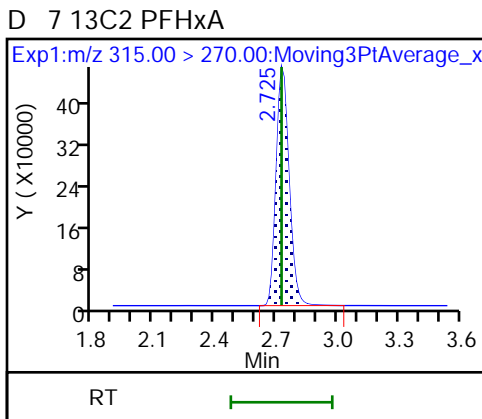
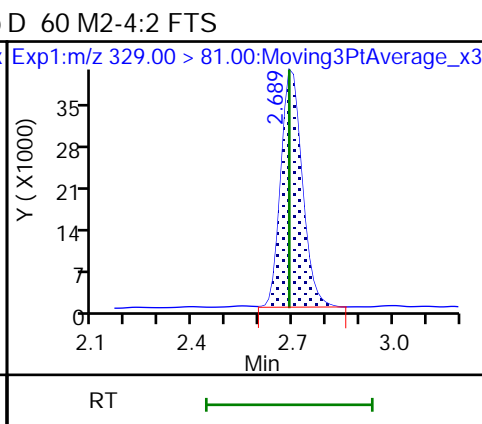
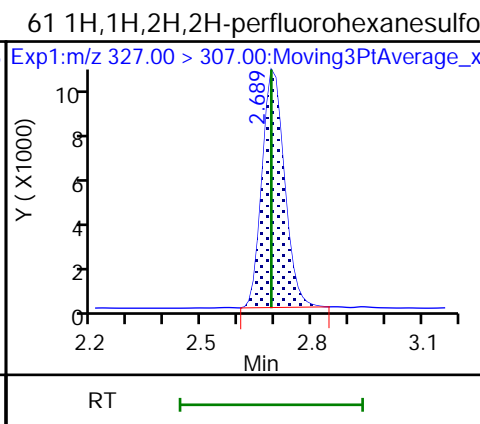
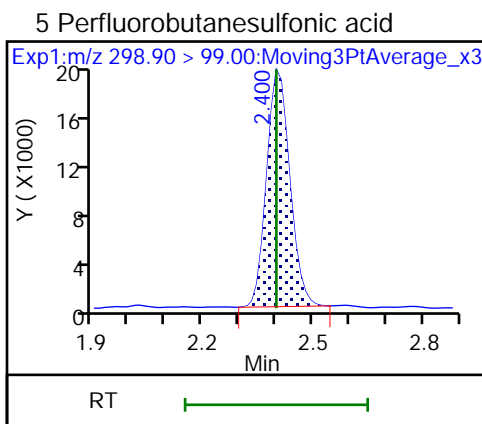
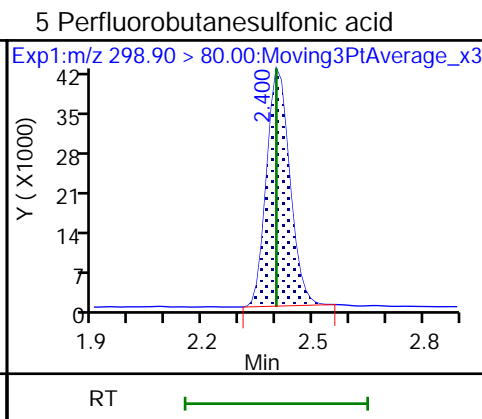
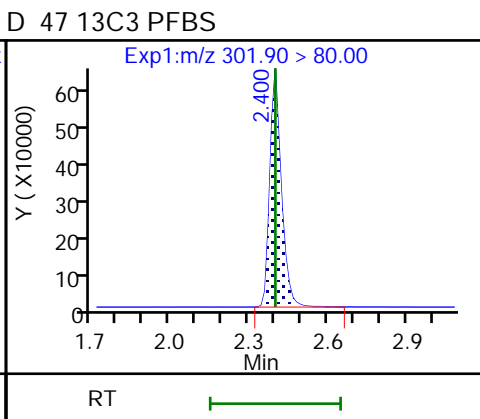
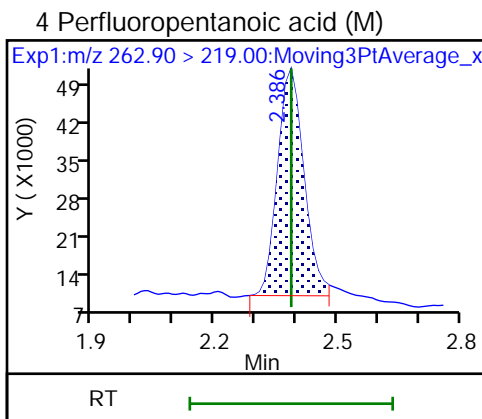
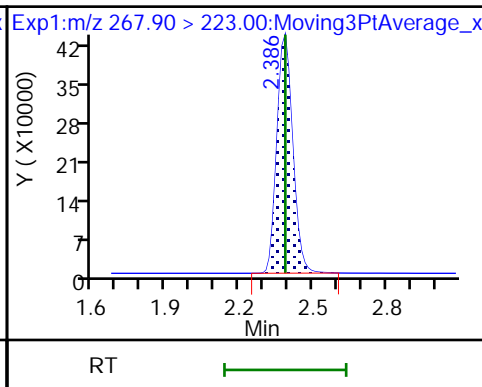
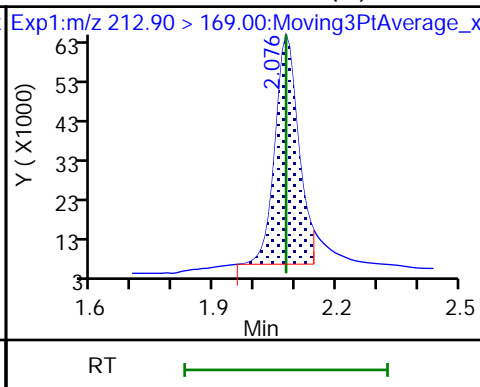
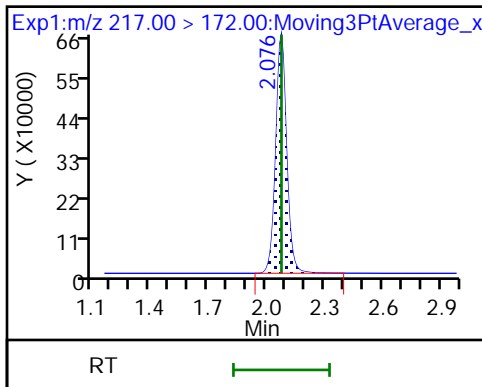
Method: PFC_LC812

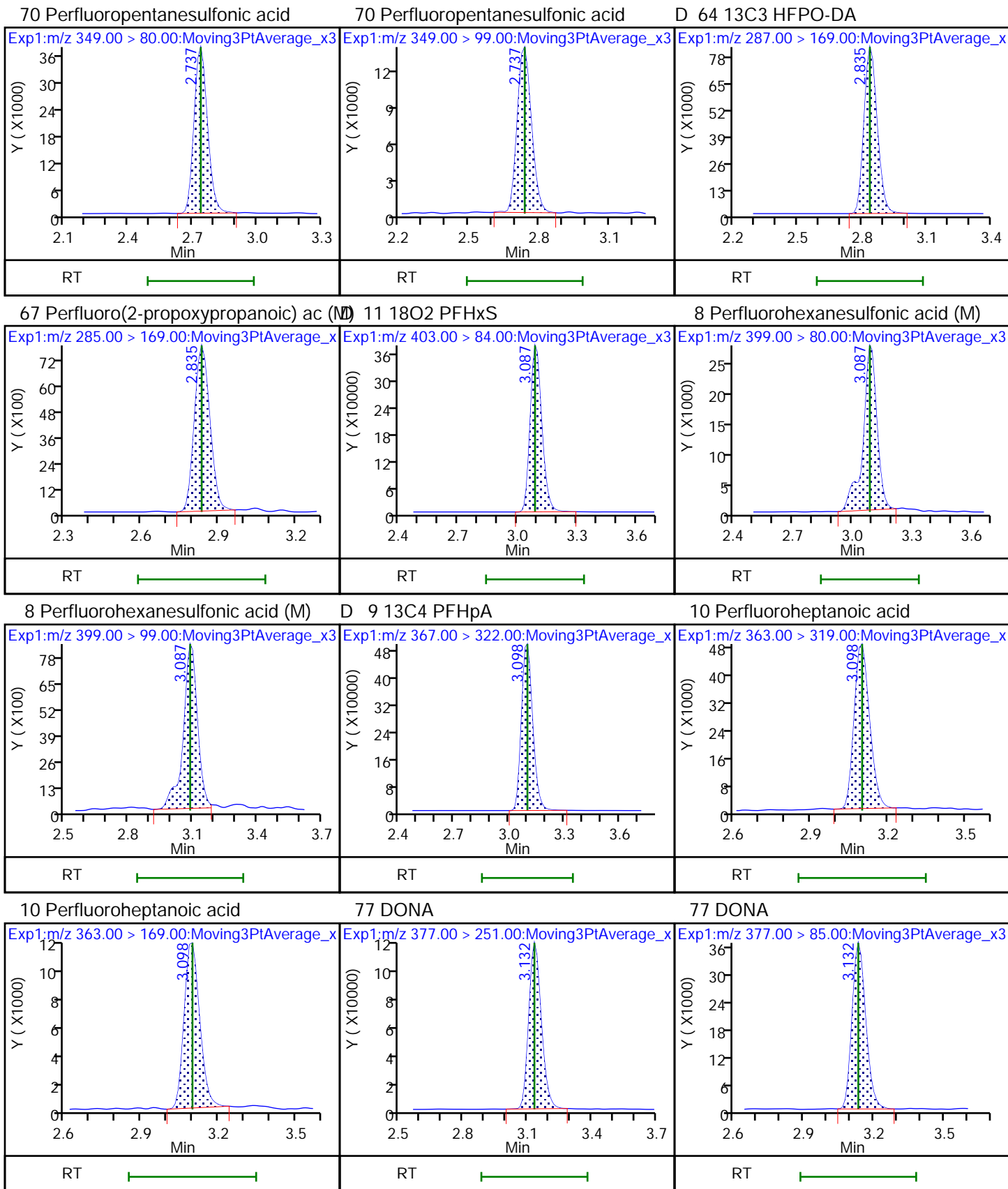
Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

D 3 13C5 PFPeA

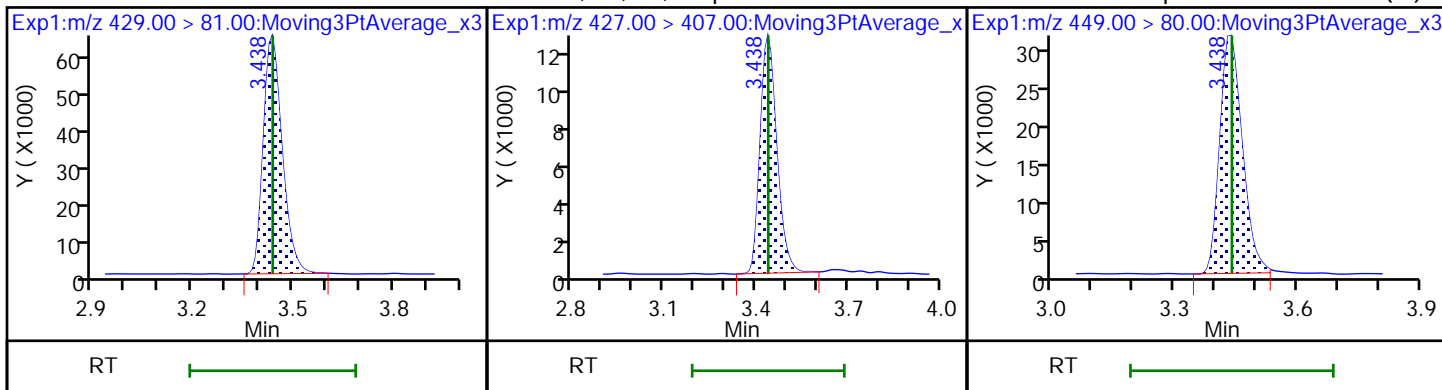




D 12 M2-6:2 FTS

13 1H,1H,2H,2H-perfluorooctanesulfo

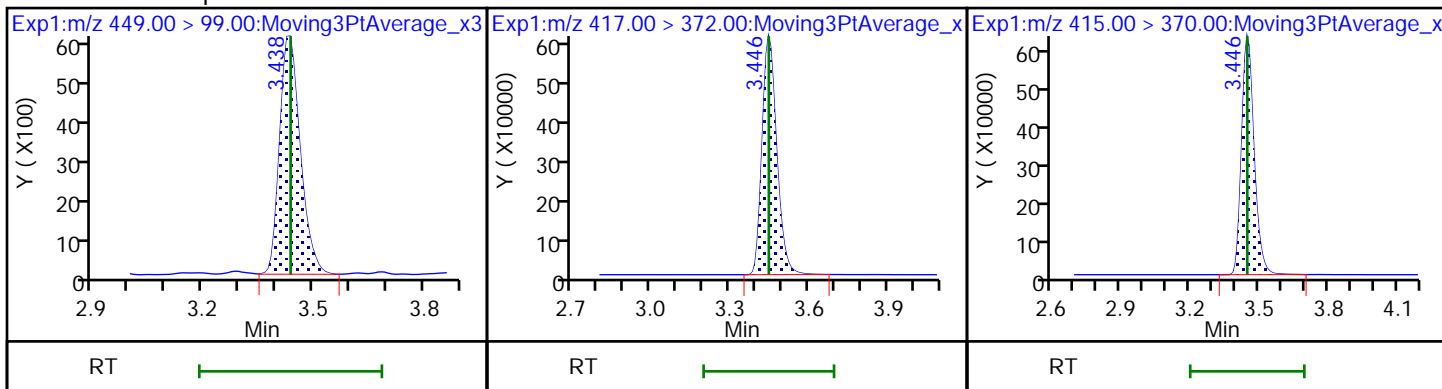
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid

D 14 13C4 PFOA

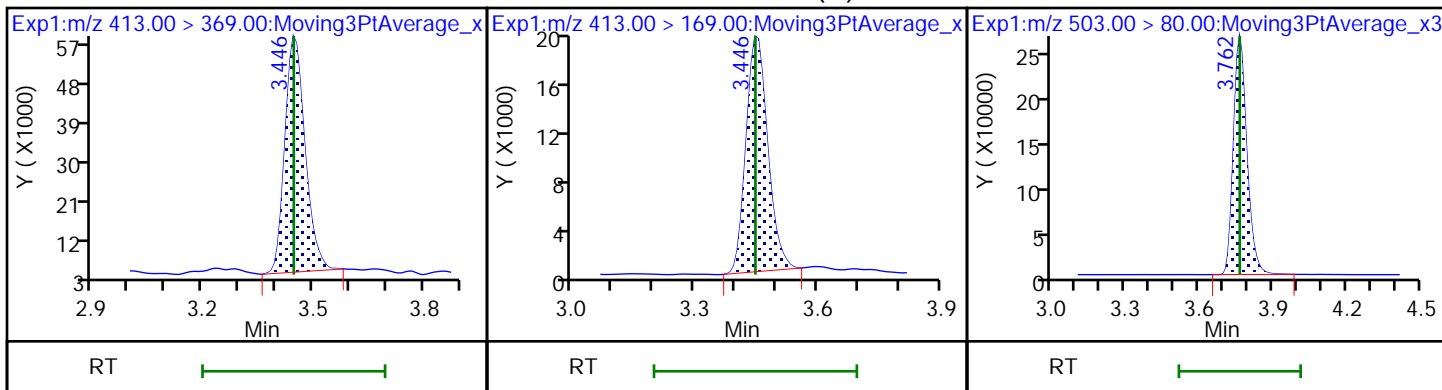
* 62 13C2 PFOA



15 Perfluorooctanoic acid

15 Perfluorooctanoic acid (M)

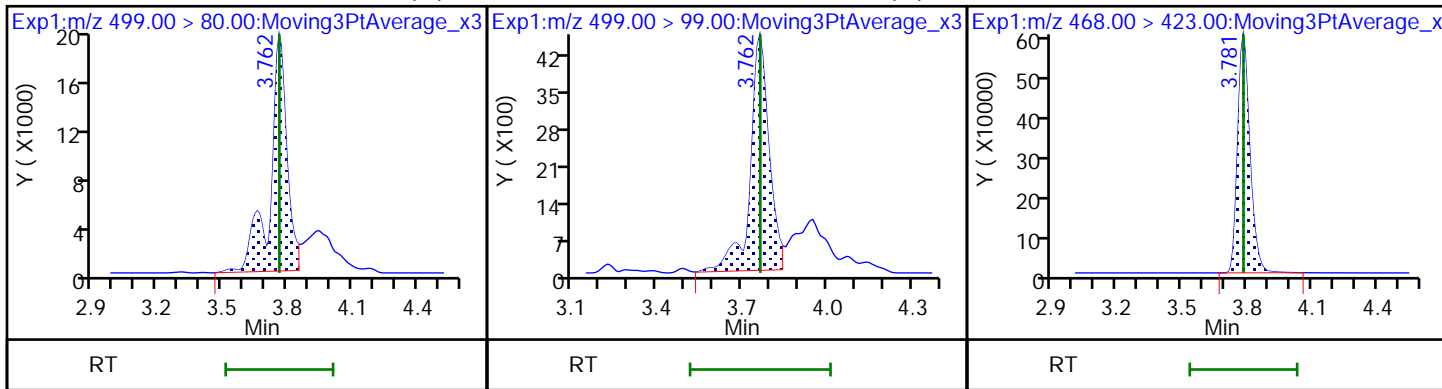
D 18 13C4 PFOS

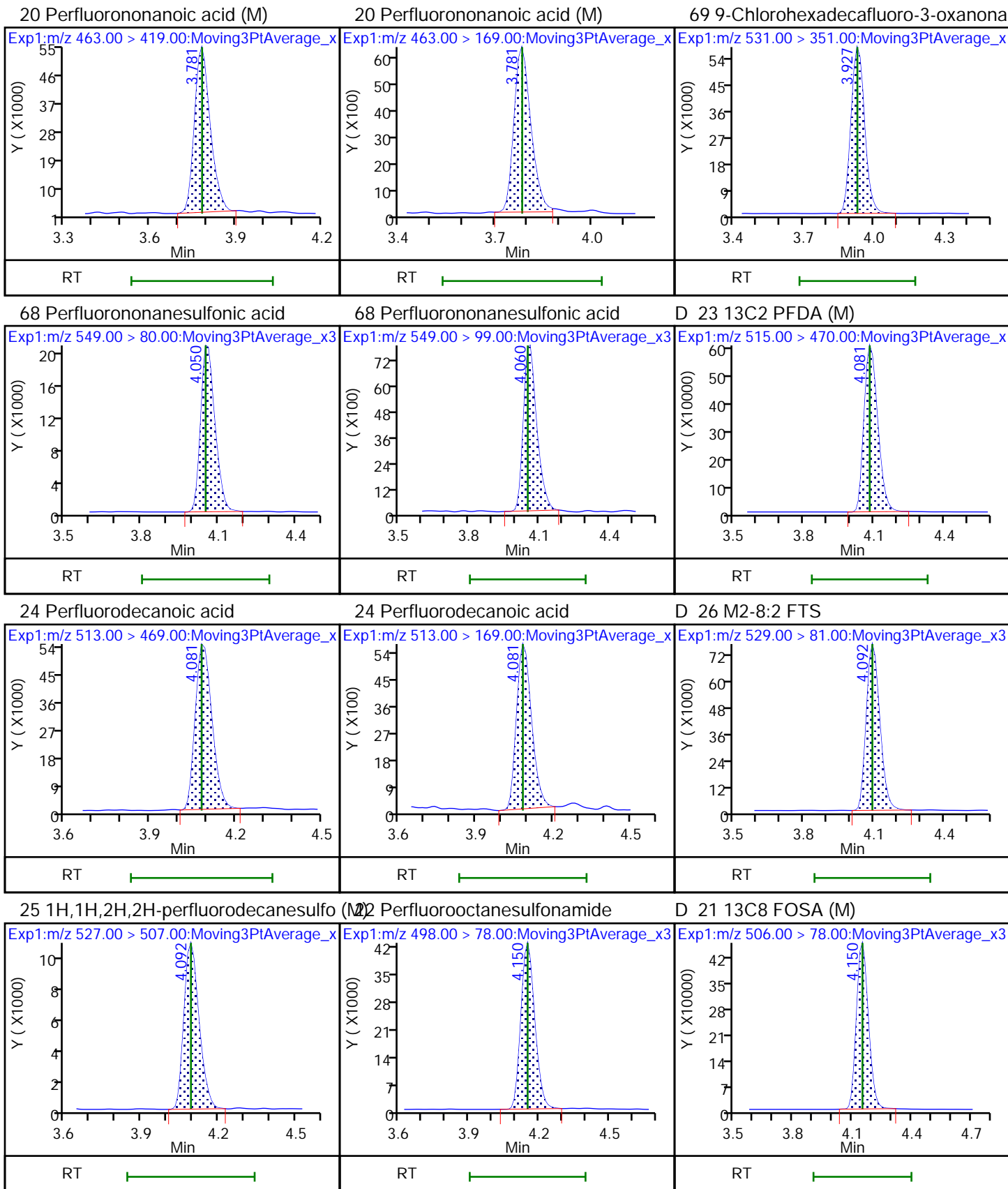


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

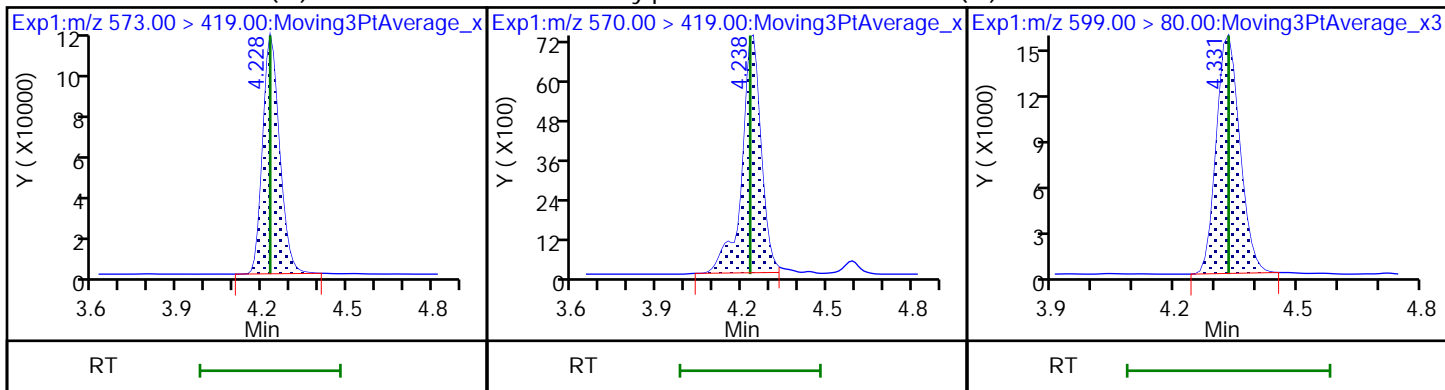
D 19 13C5 PFNA





D 27 d3-NMeFOSAA (M)

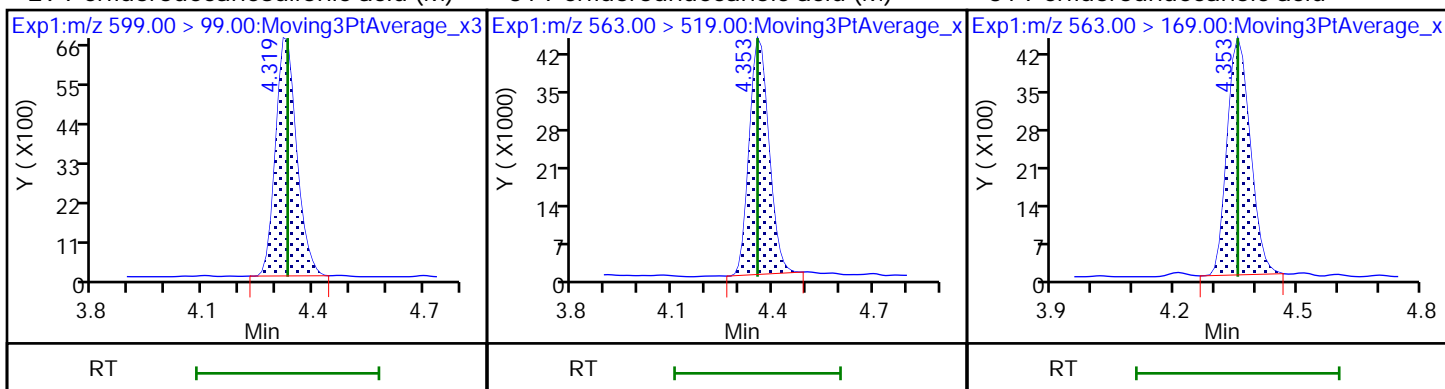
28 N-methylperfluorooctanesulfonami (M) 29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid (M)

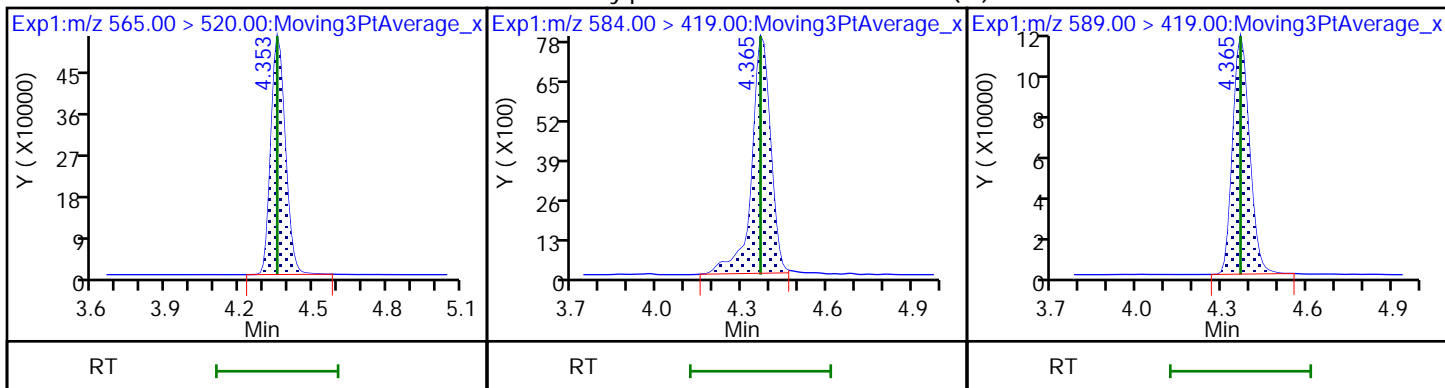
31 Perfluoroundecanoic acid (M)

31 Perfluoroundecanoic acid



D 30 13C2 PFUnA

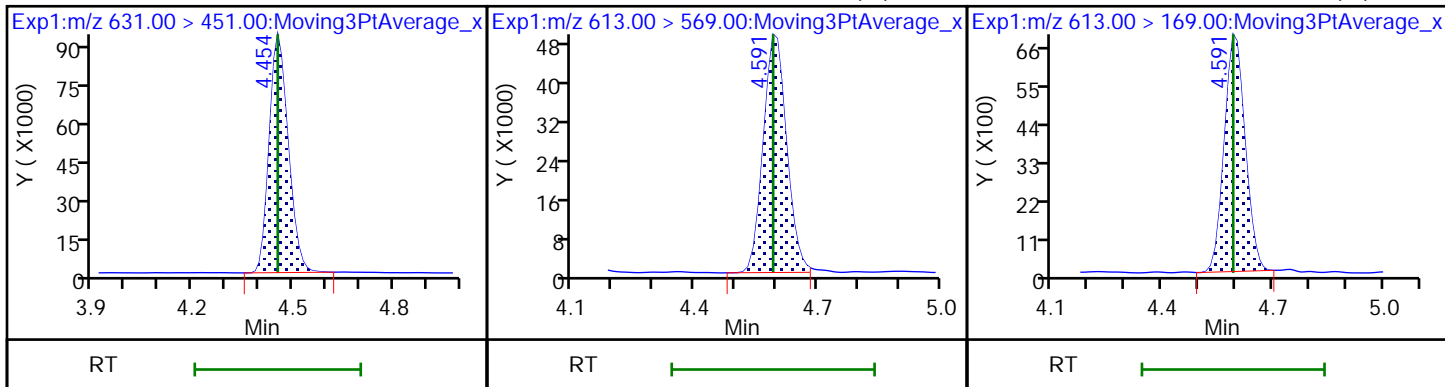
33 N-ethylperfluorooctanesulfonamid (M) 32 d5-NEtFOSAA



66 11-Chloroeicosafuoro-3-oxaundec

37 Perfluorododecanoic acid (M)

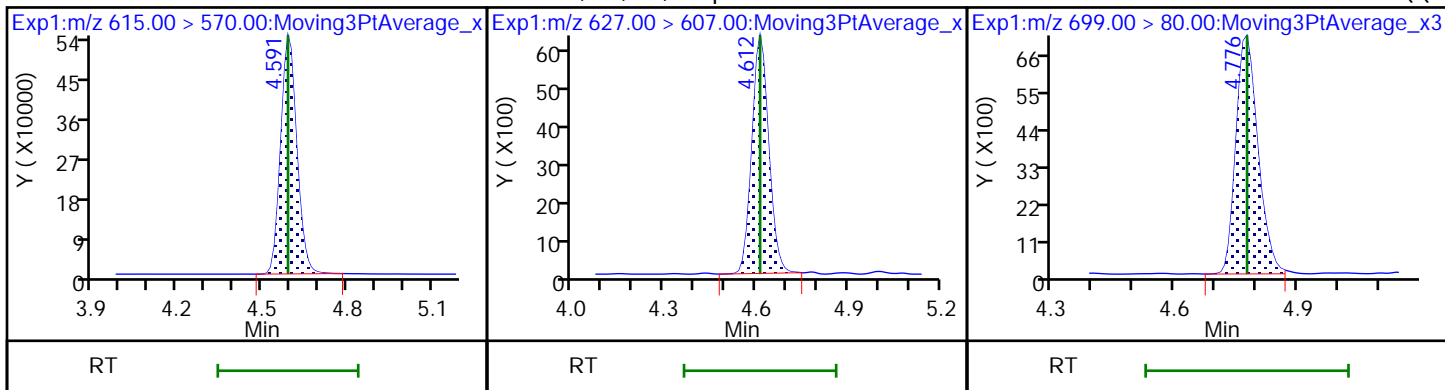
37 Perfluorododecanoic acid (M)



D 36 13C2 PFDoA

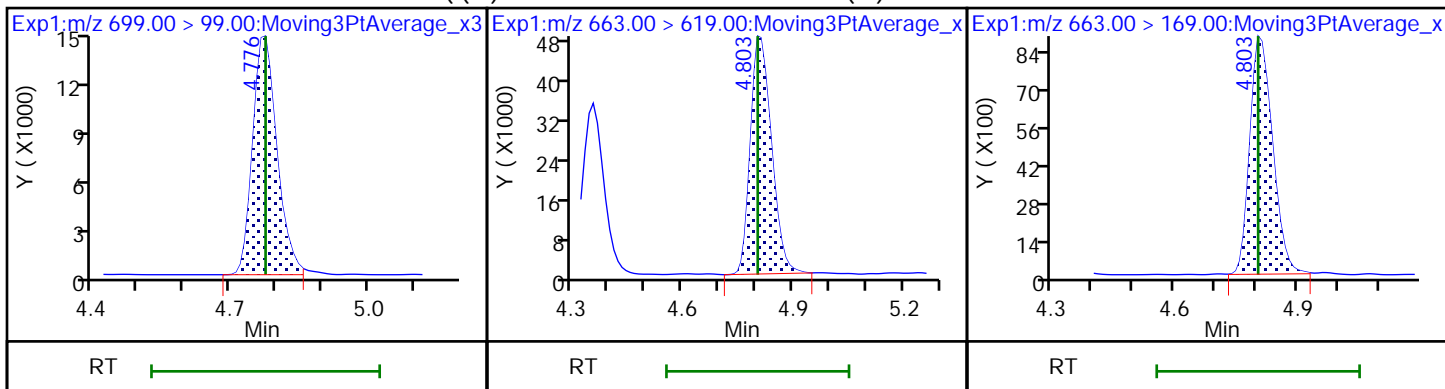
74 1H,1H,2H,2H-perfluorododecanesul

75 Perfluorododecanesulfonic acid (M)



75 Perfluorododecanesulfonic acid (M) 41 Perfluorotridecanoic acid (M)

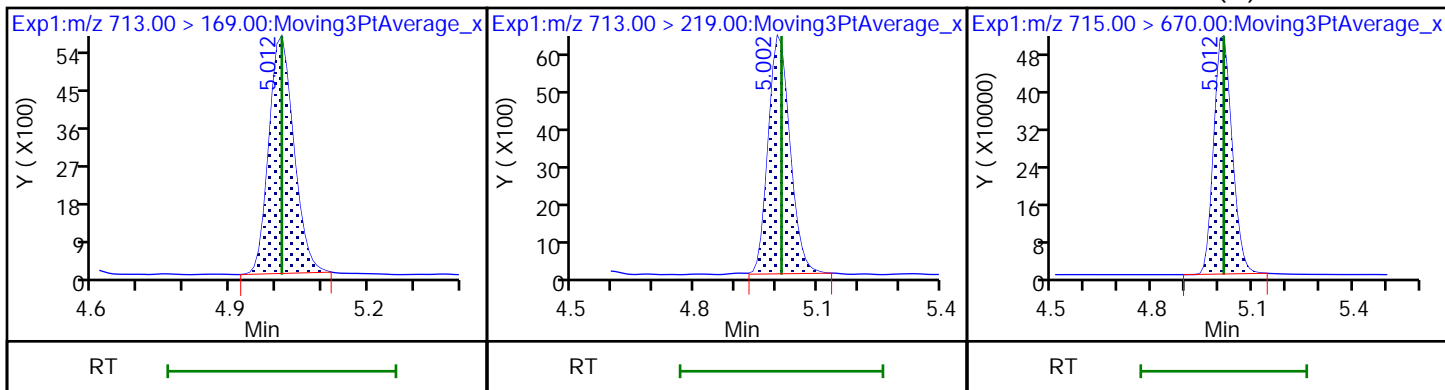
41 Perfluorotridecanoic acid



42 Perfluorotetradecanoic acid

42 Perfluorotetradecanoic acid

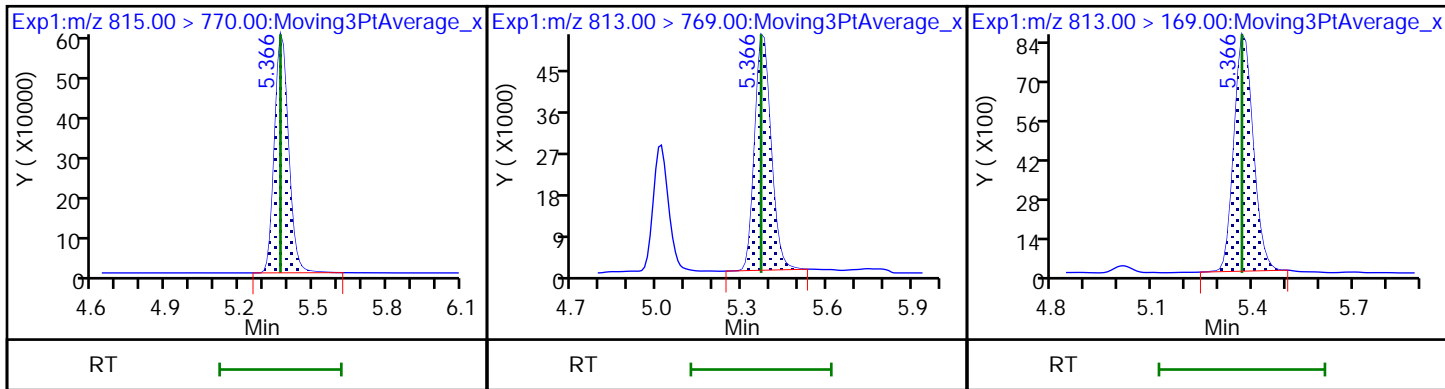
D 43 13C2 PFTeDA (M)



D 44 13C2 PFHxDA

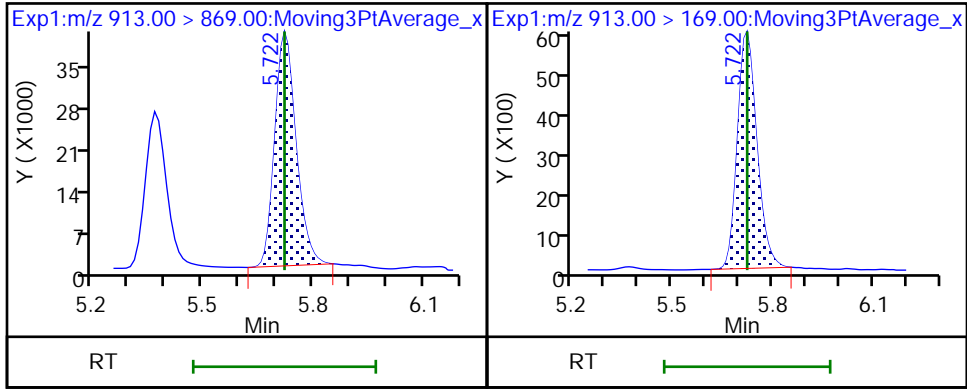
45 Perfluorohexadecanoic acid

45 Perfluorohexadecanoic acid



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid



Eurofins Burlington

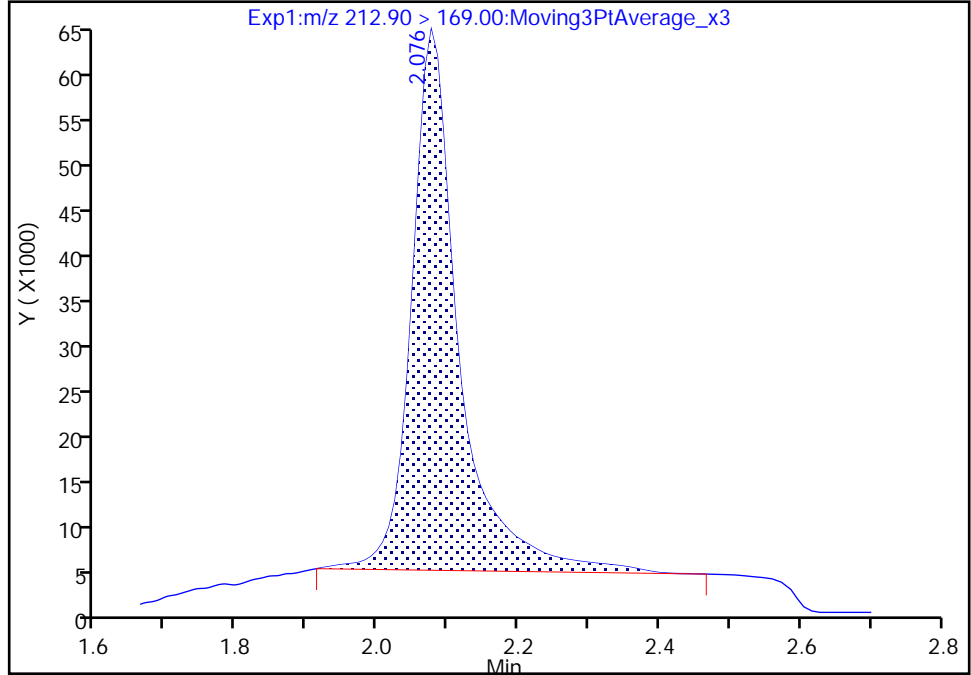
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

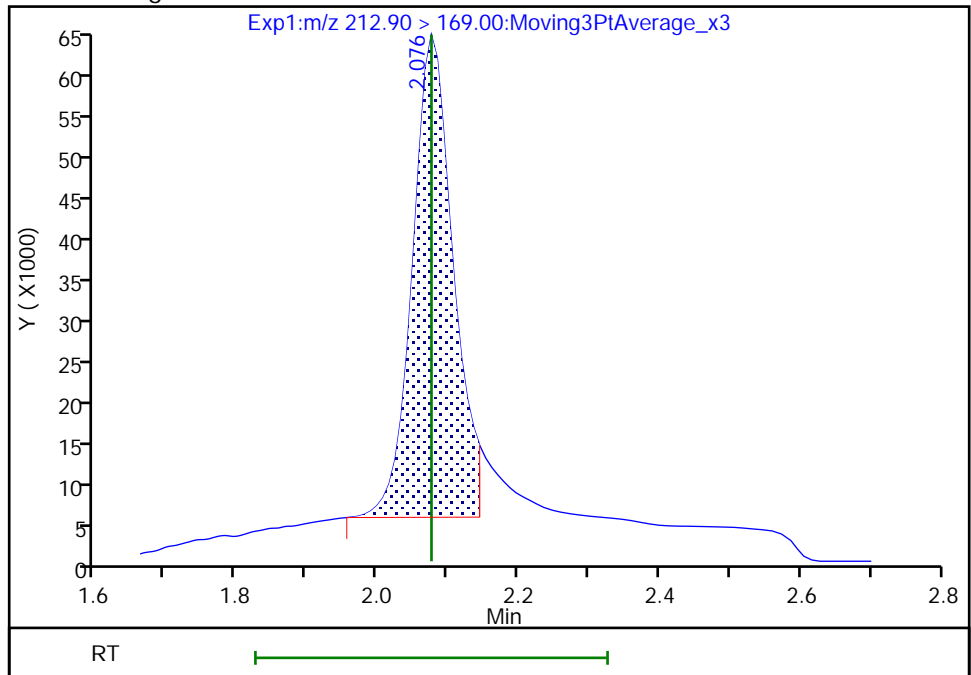
RT: 2.08
Area: 280853
Amount: 0.108572
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 236091
Amount: 0.110792
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:53:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

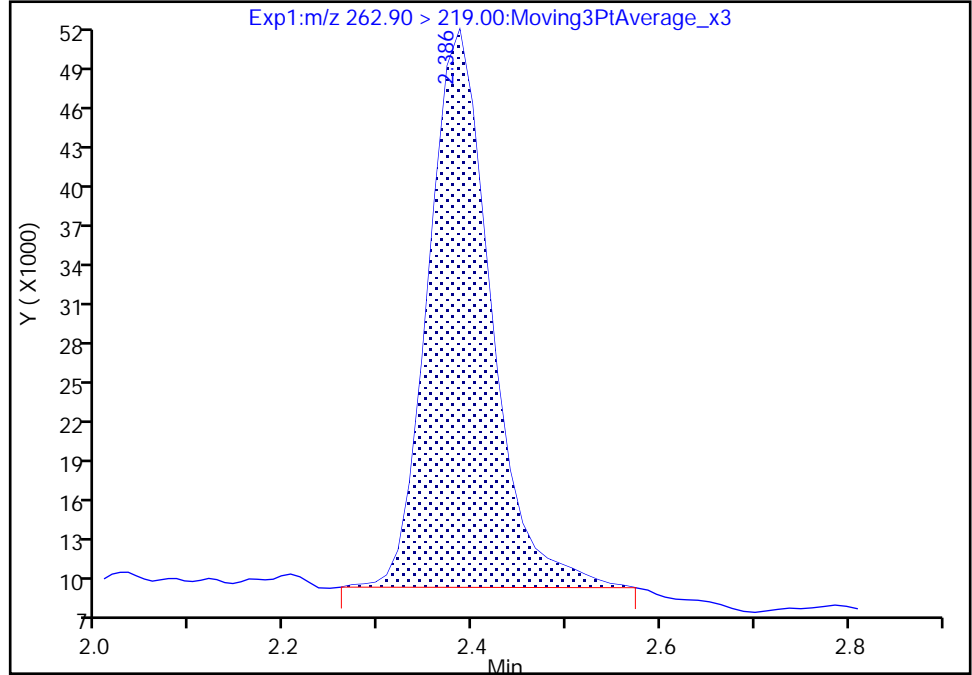
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

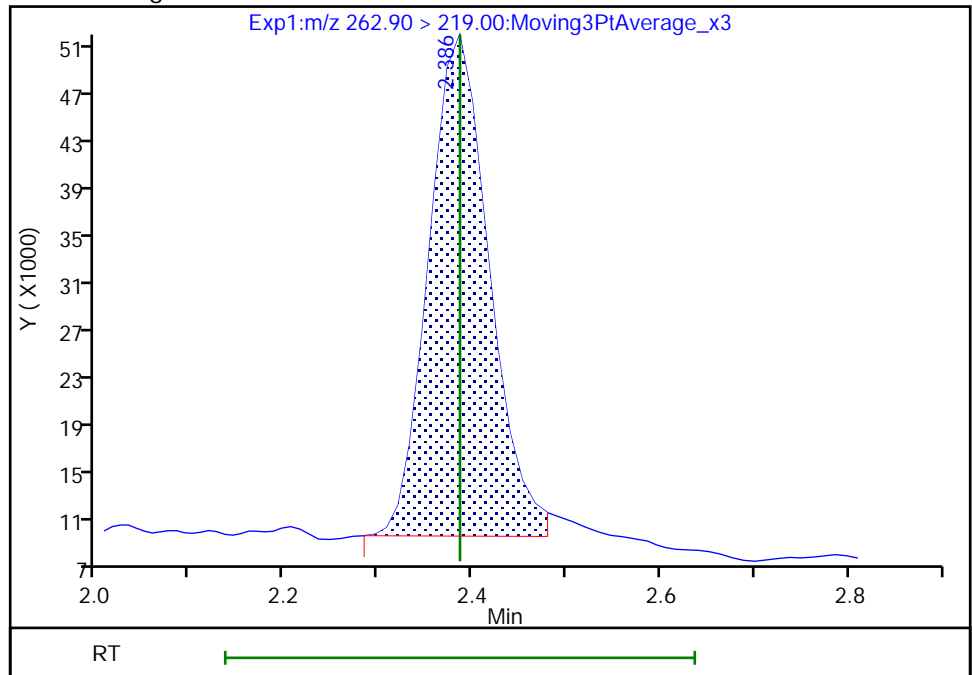
RT: 2.39
Area: 195135
Amount: 0.103655
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 187282
Amount: 0.111484
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:53:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

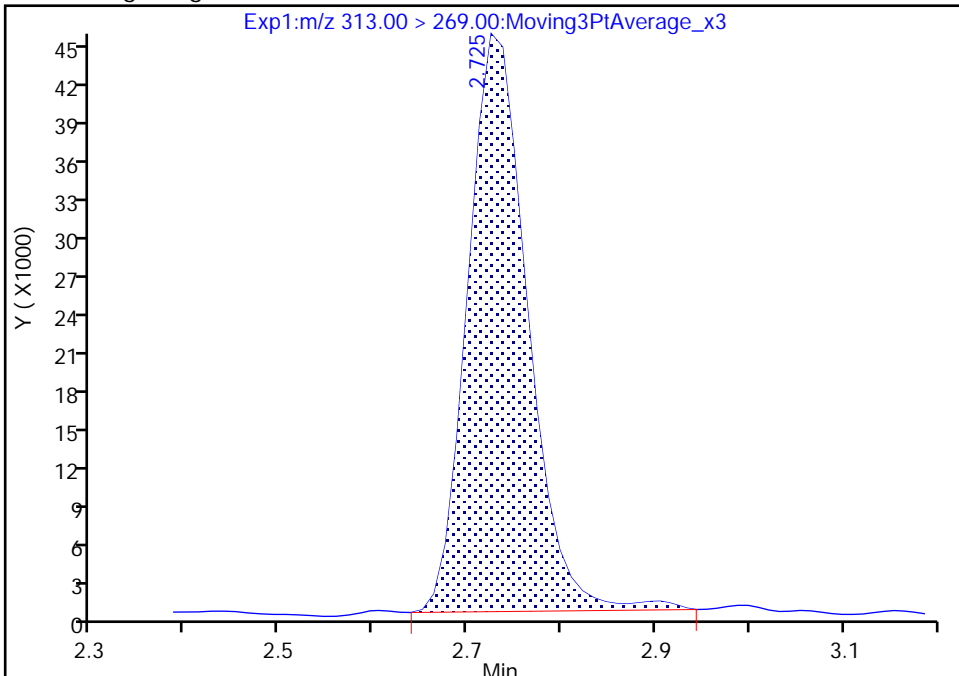
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

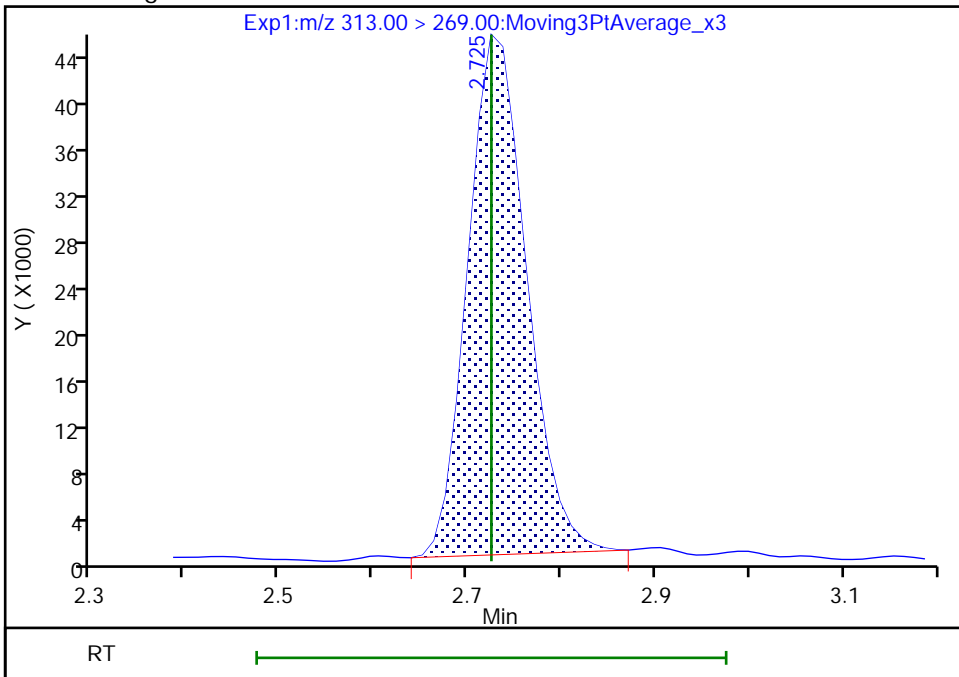
RT: 2.73
Area: 196336
Amount: 0.100921
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 191103
Amount: 0.106564
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:53:53
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

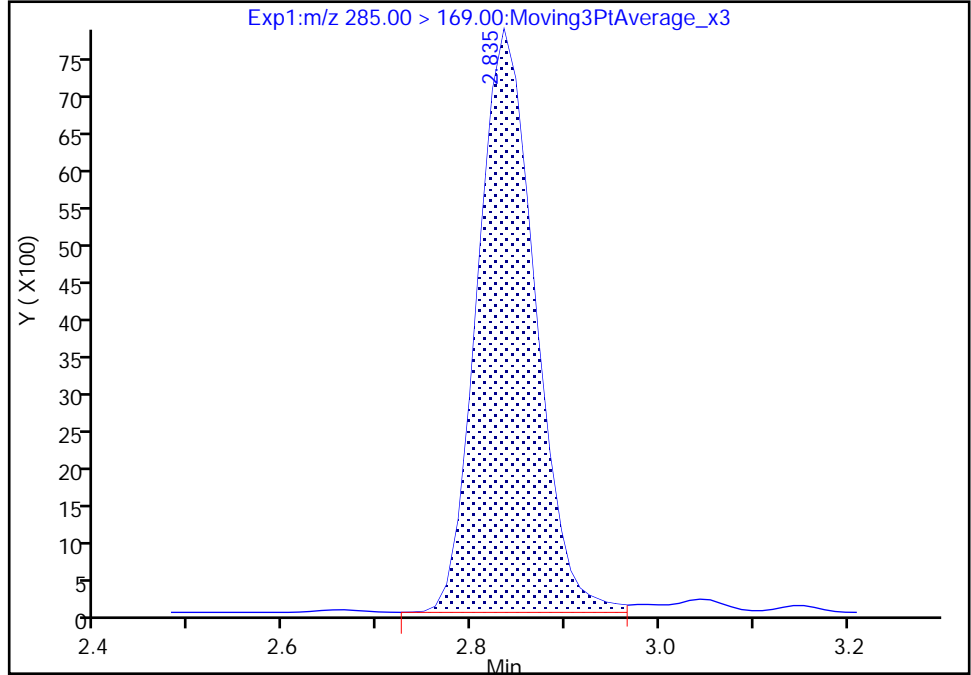
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

67 Perfluoro(2-propoxypropanoic) ac, CAS: 13252-13-6

Signal: 1

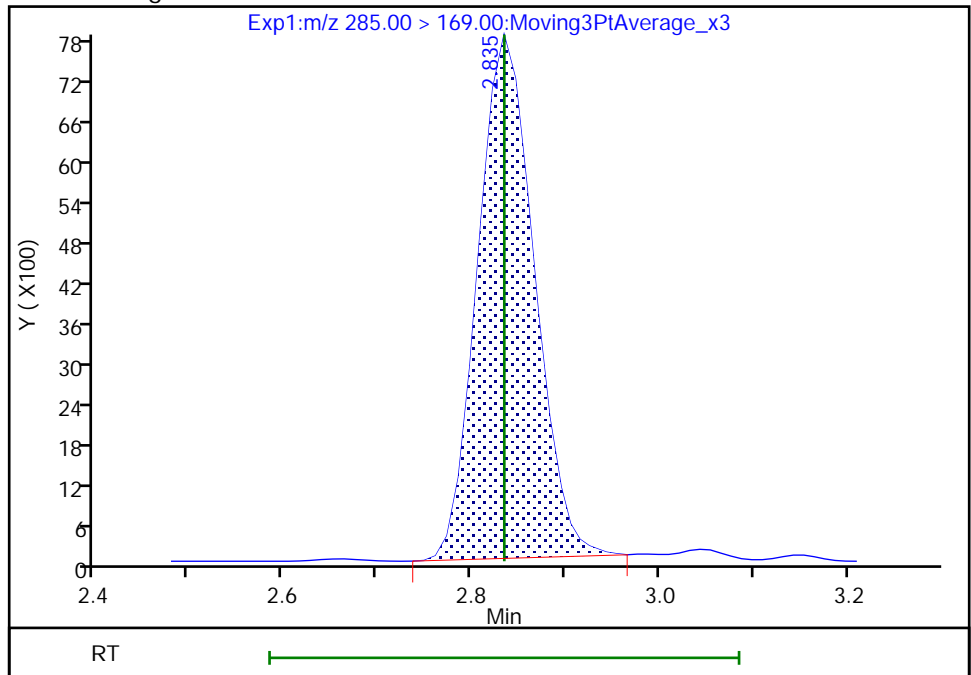
RT: 2.83
Area: 33101
Amount: 0.103414
Amount Units: ng/ml

Processing Integration Results



RT: 2.83
Area: 32429
Amount: 0.108840
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:54:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

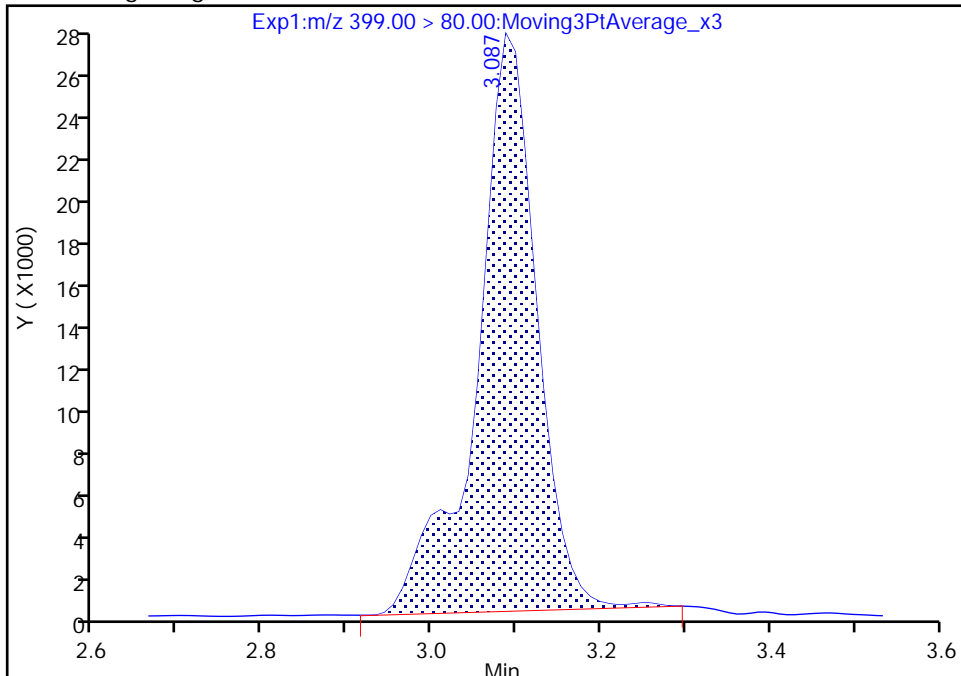
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

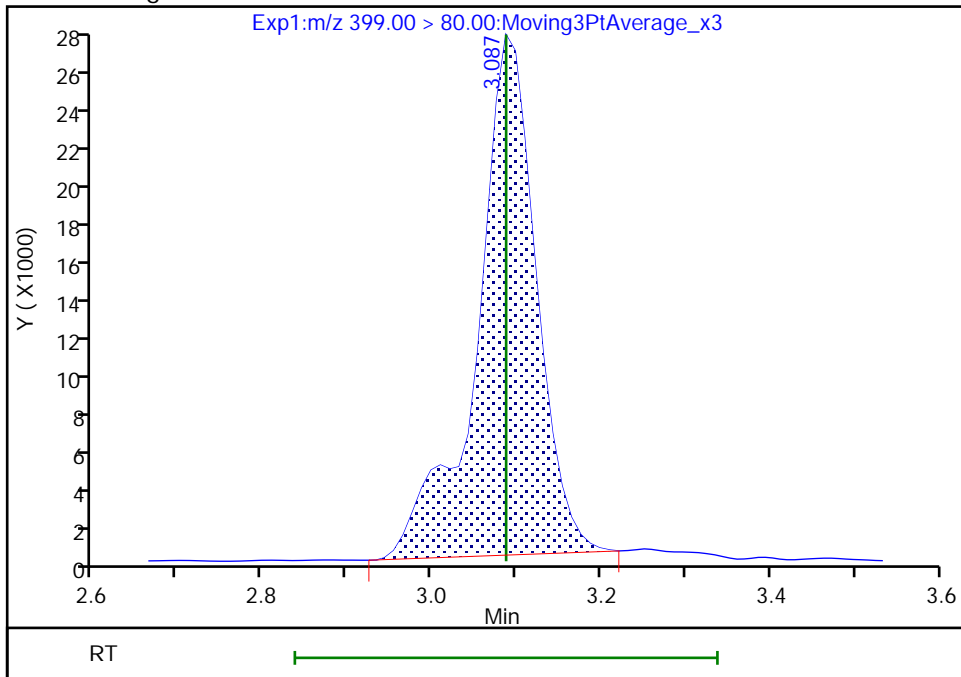
RT: 3.09
Area: 132173
Amount: 0.088001
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 130263
Amount: 0.090506
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:54:14
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

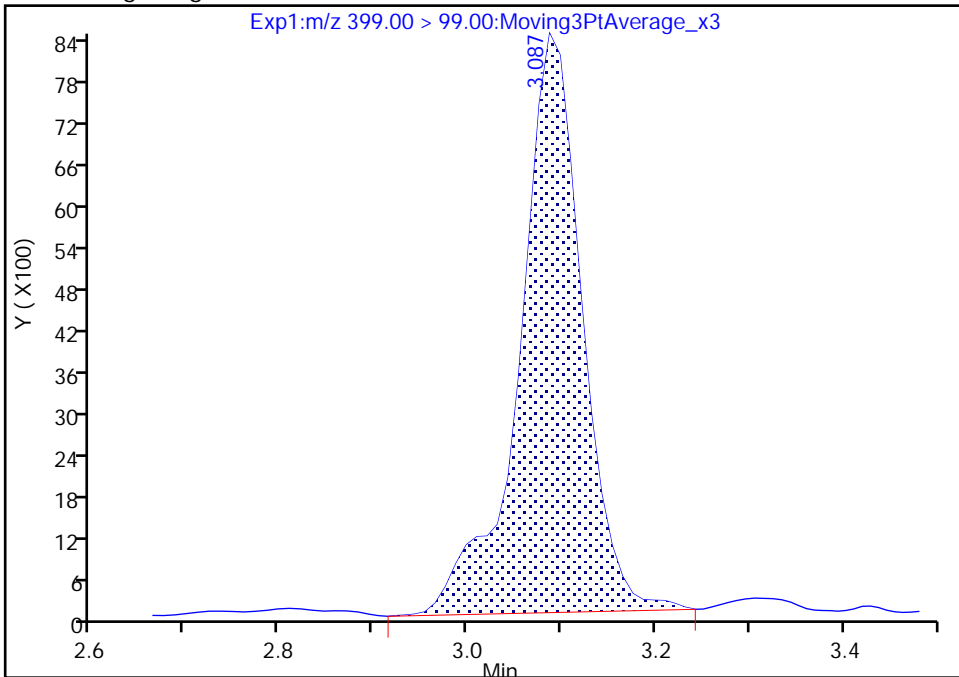
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

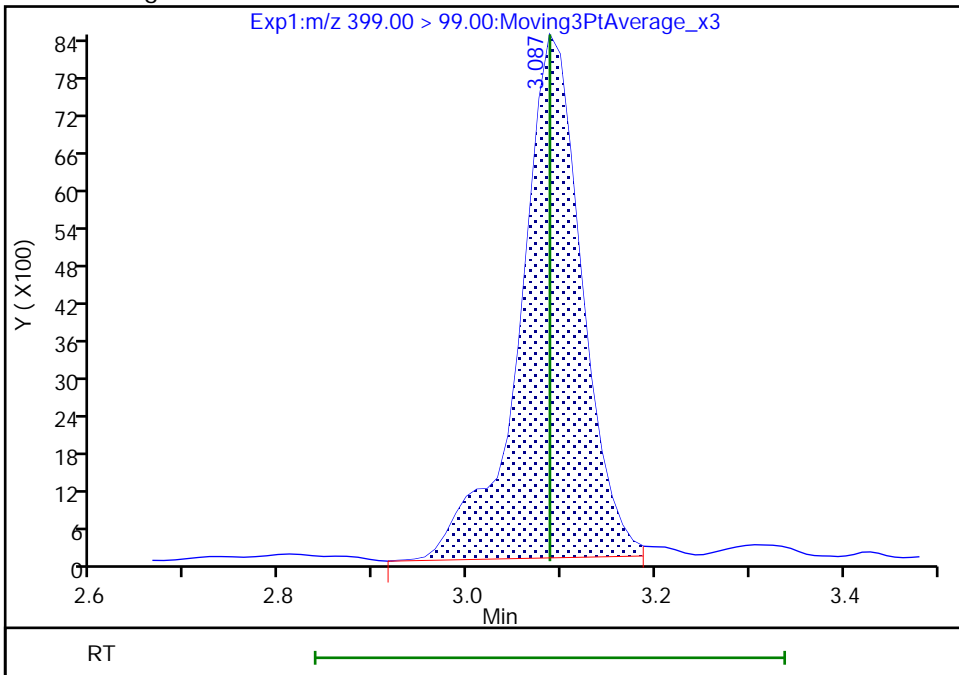
RT: 3.09
Area: 38807
Amount: 0.088001
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 38491
Amount: 0.090506
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:54:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

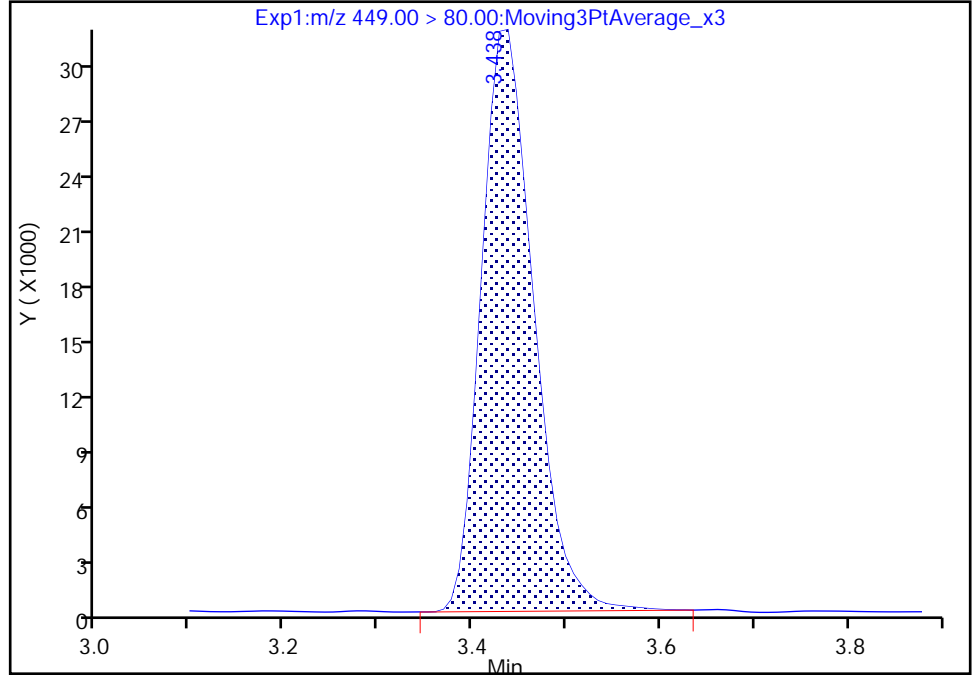
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

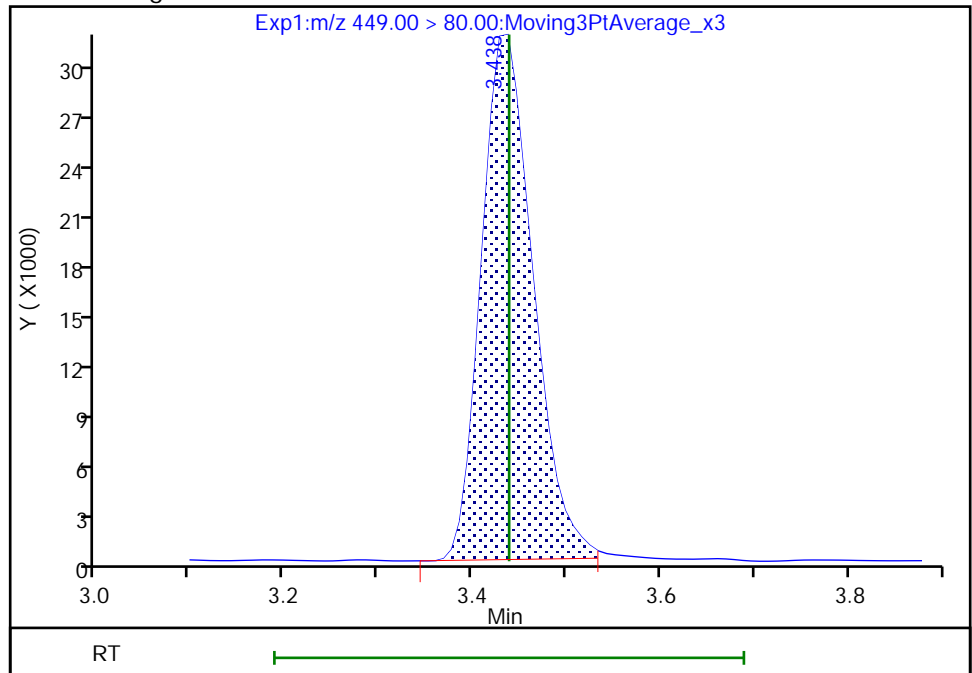
RT: 3.44
Area: 122929
Amount: 0.097560
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 121399
Amount: 0.102806
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:54:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

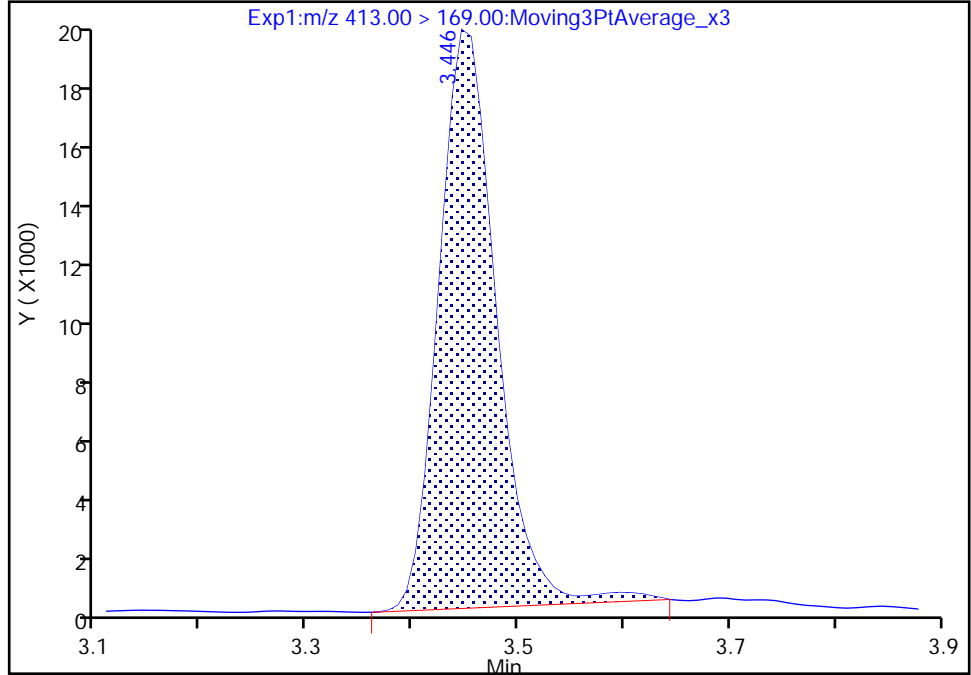
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

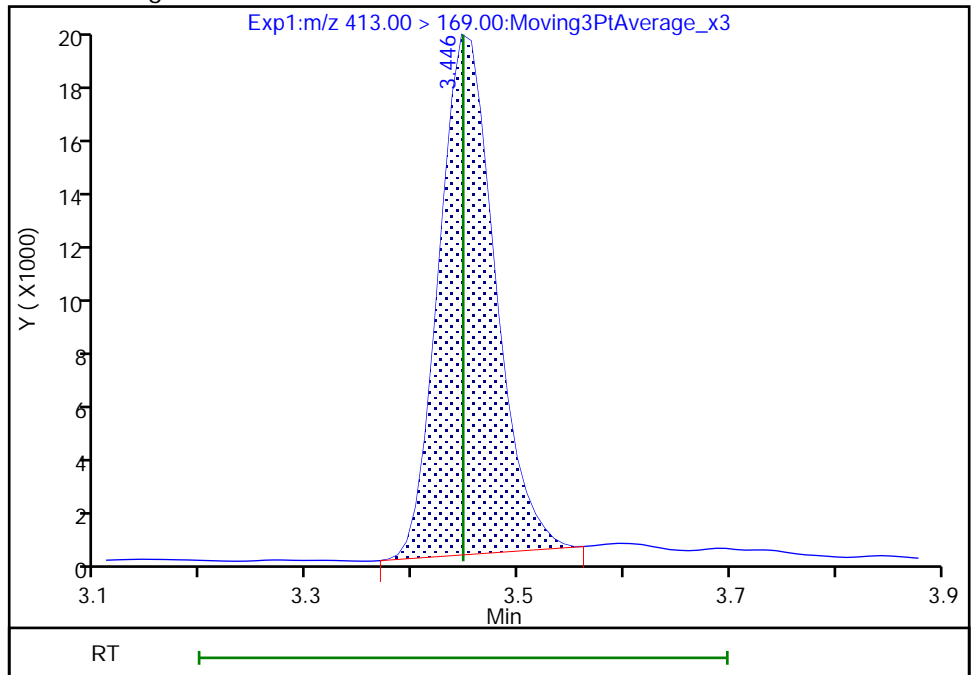
RT: 3.45
Area: 74541
Amount: 0.096919
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 71984
Amount: 0.101896
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:54:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

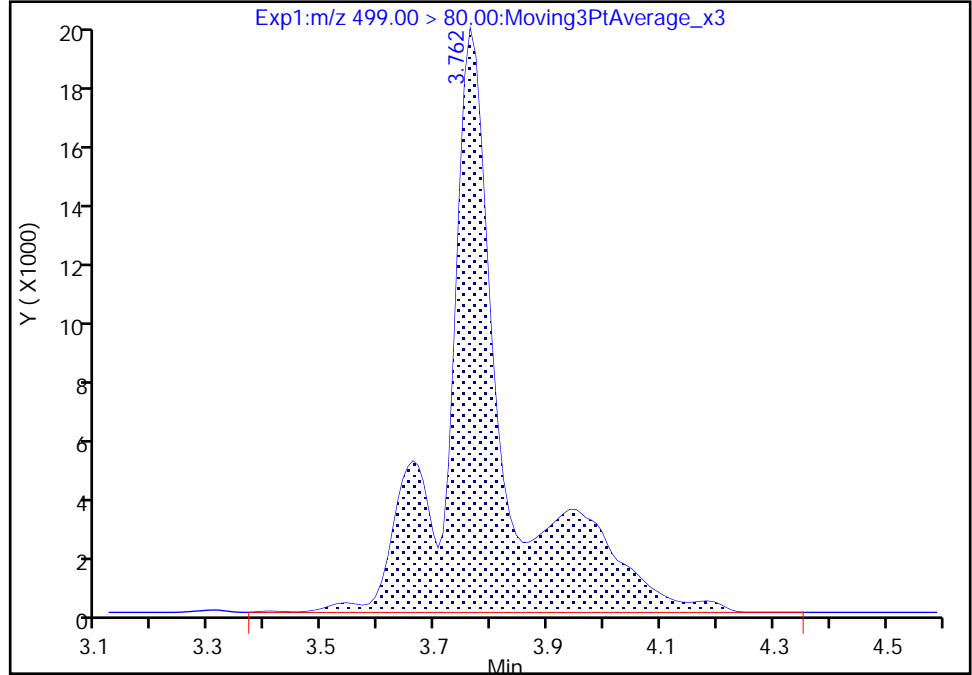
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

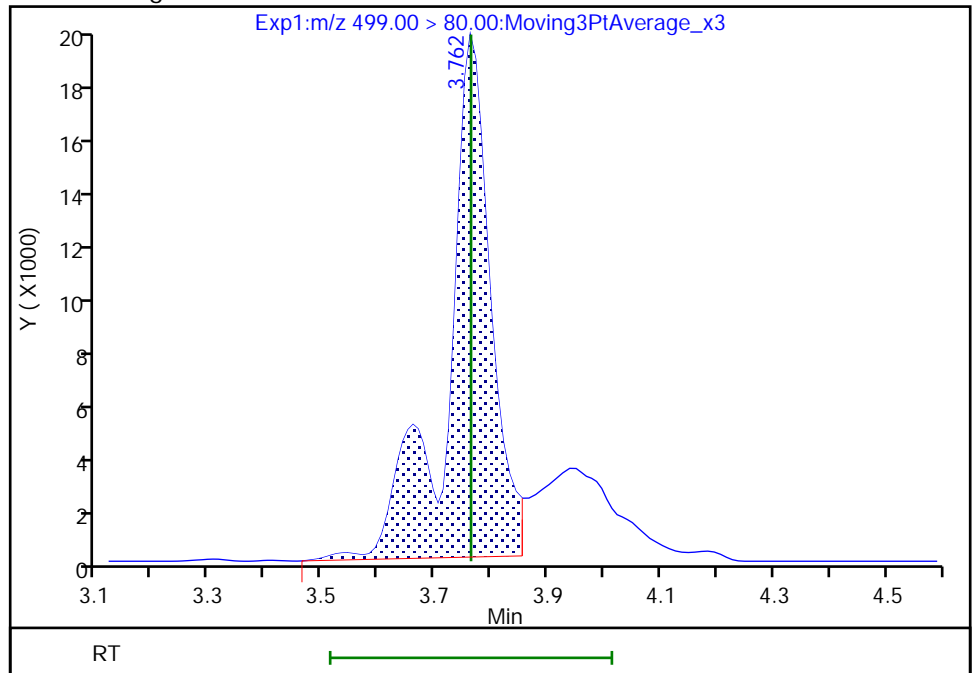
RT: 3.76
Area: 145194
Amount: 0.106140
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 105528
Amount: 0.102635
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:55:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

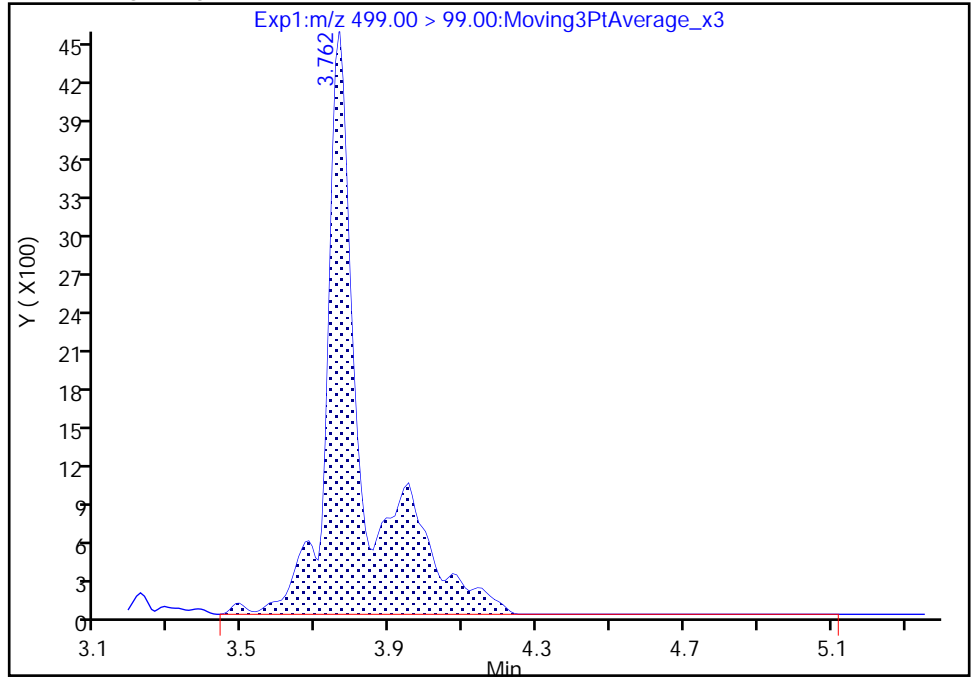
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

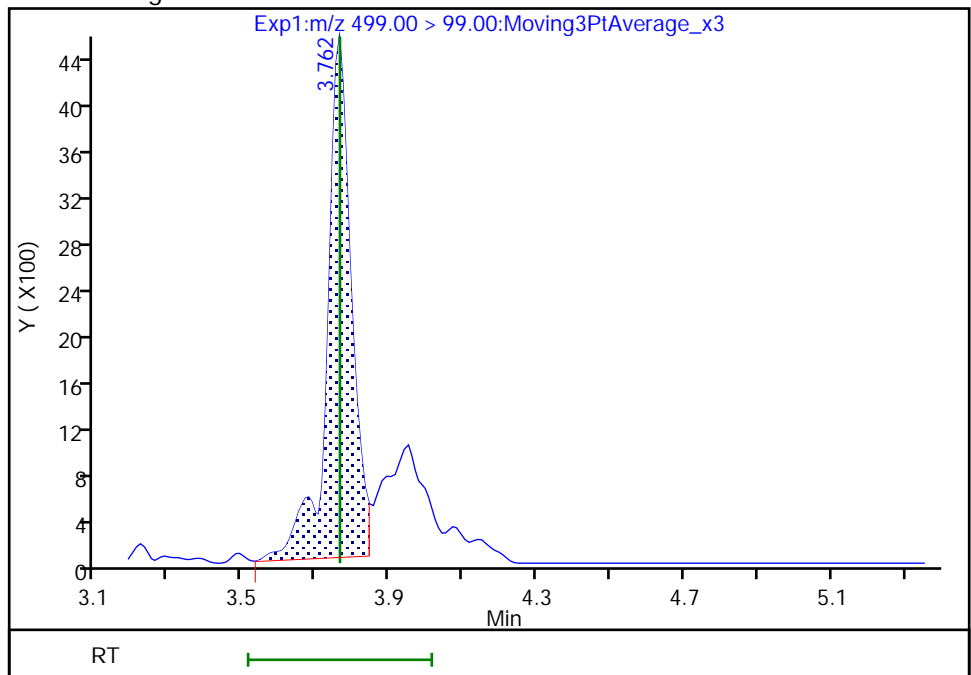
RT: 3.76
Area: 31586
Amount: 0.106140
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 20524
Amount: 0.102635
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:55:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

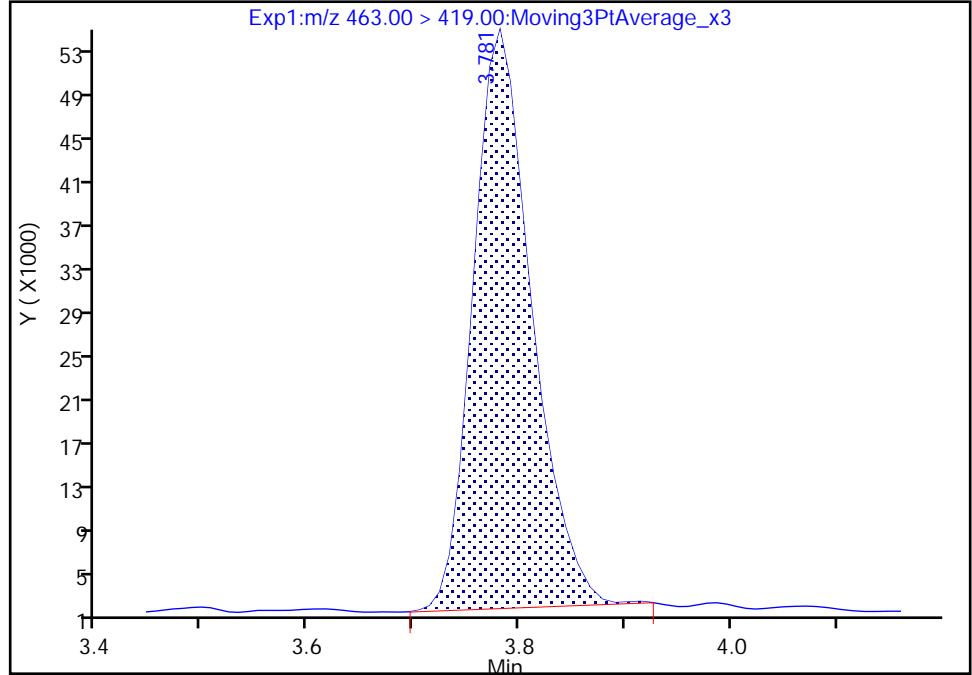
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

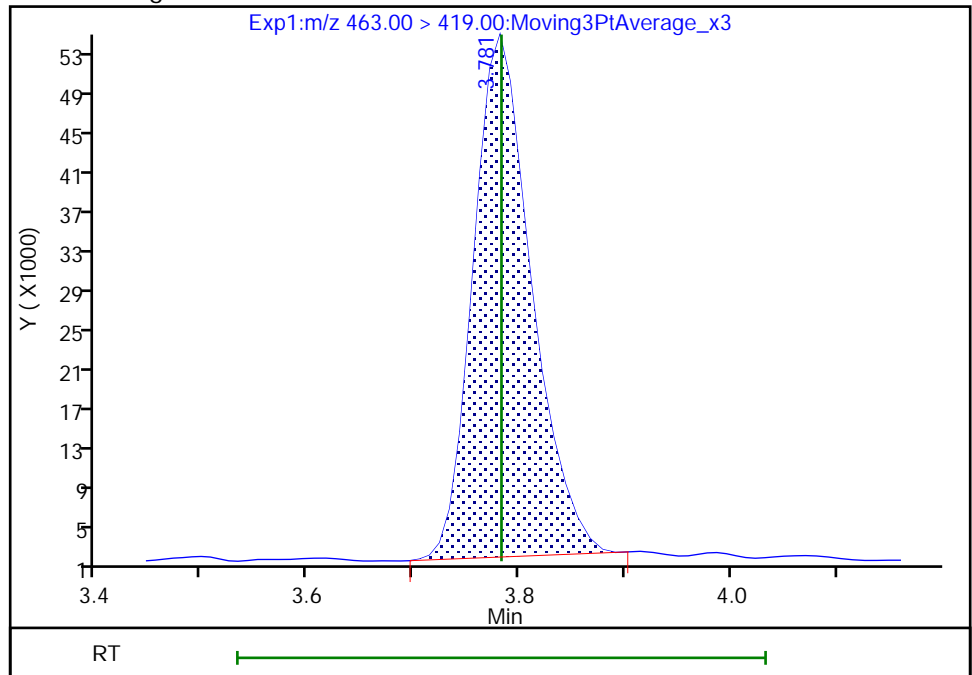
RT: 3.78
Area: 202724
Amount: 0.099917
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 201460
Amount: 0.102775
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:55:37
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

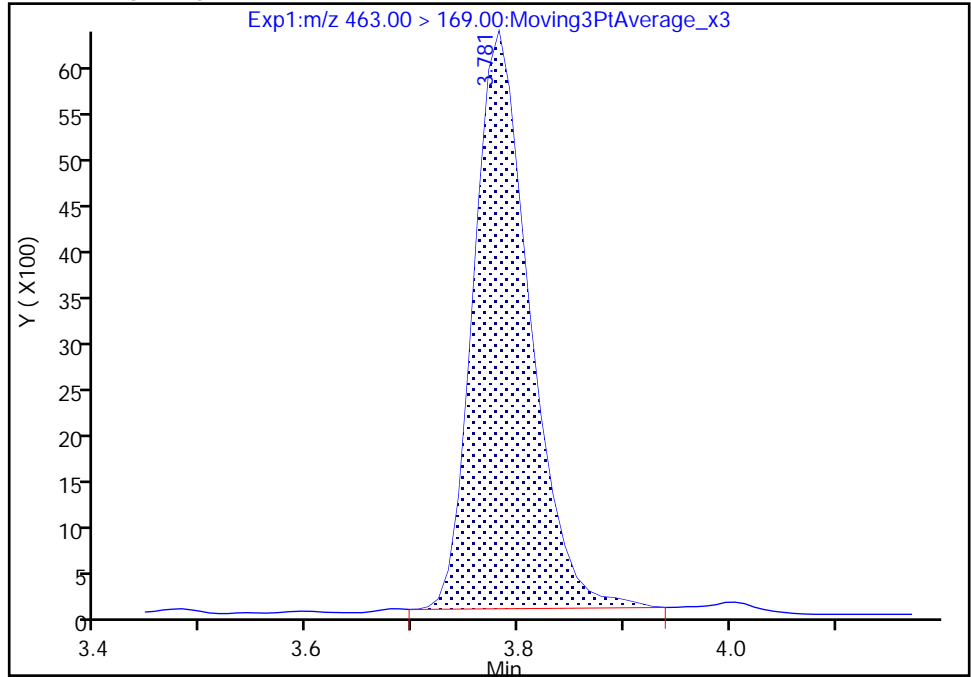
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

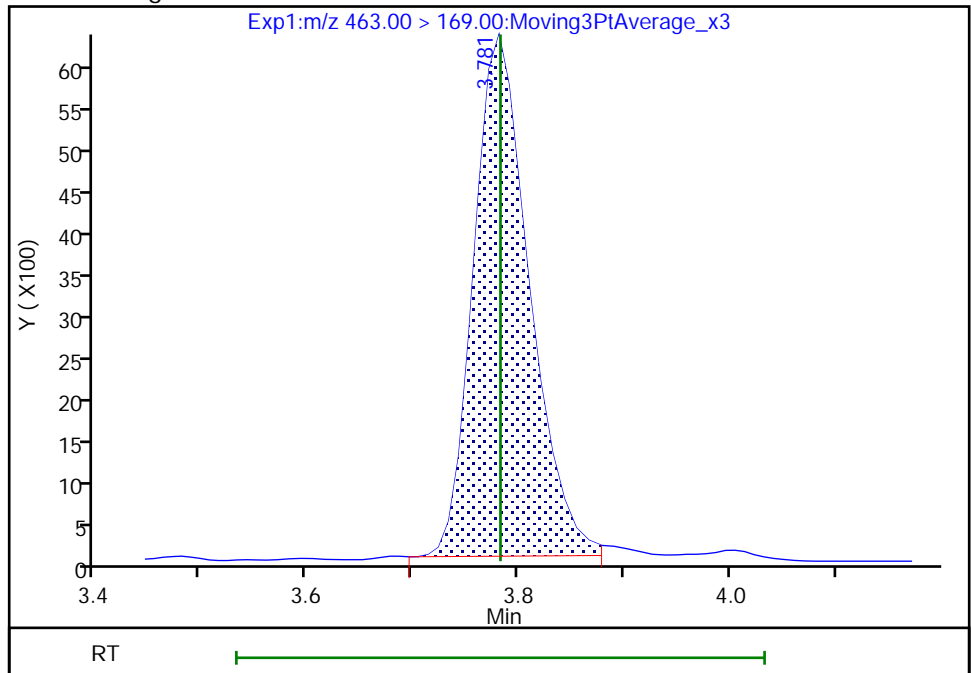
RT: 3.78
Area: 23367
Amount: 0.099917
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 23149
Amount: 0.102775
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:55:41

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

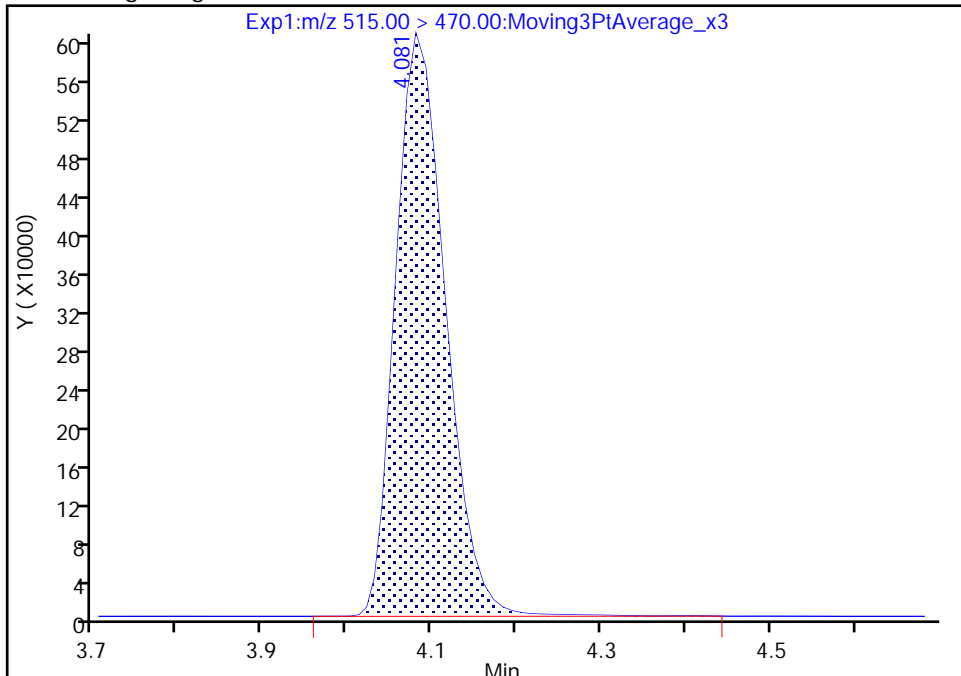
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

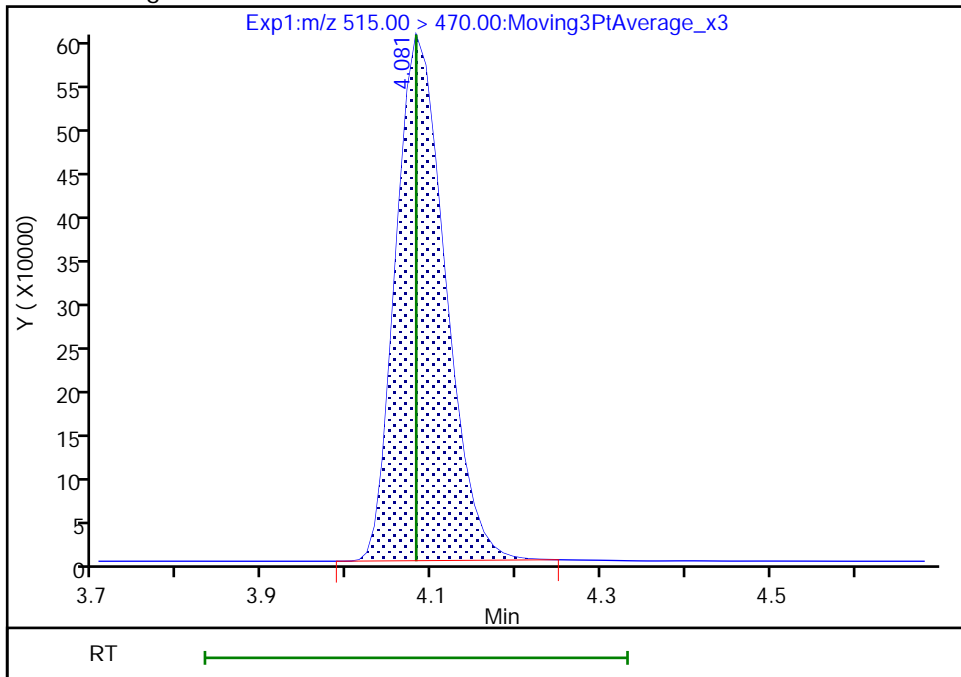
RT: 4.08
Area: 2458427
Amount: 1.268074
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 2439344
Amount: 1.251415
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:55:51
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

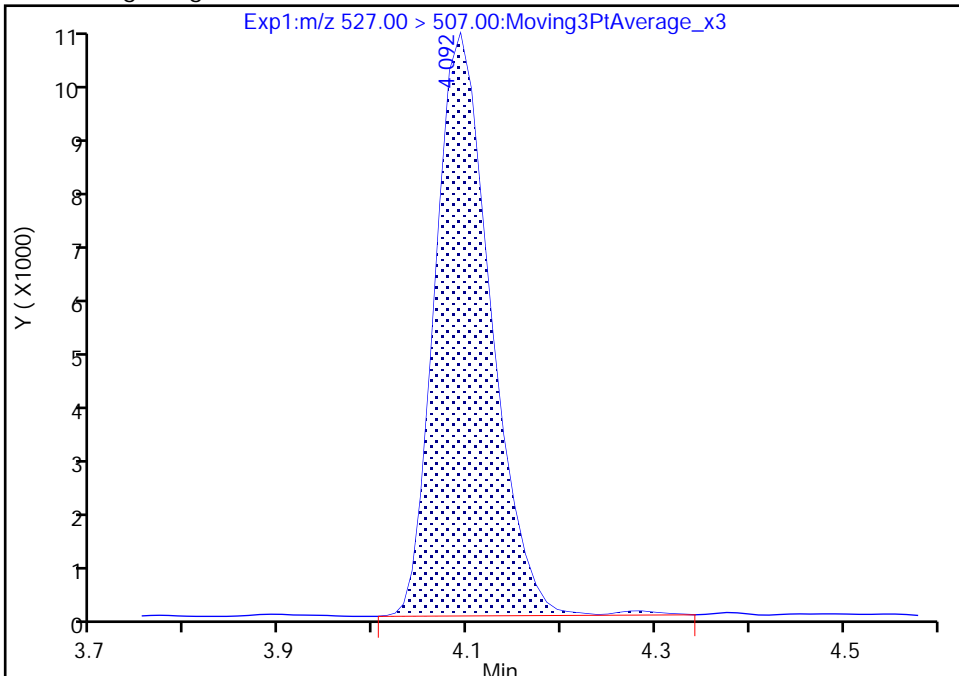
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

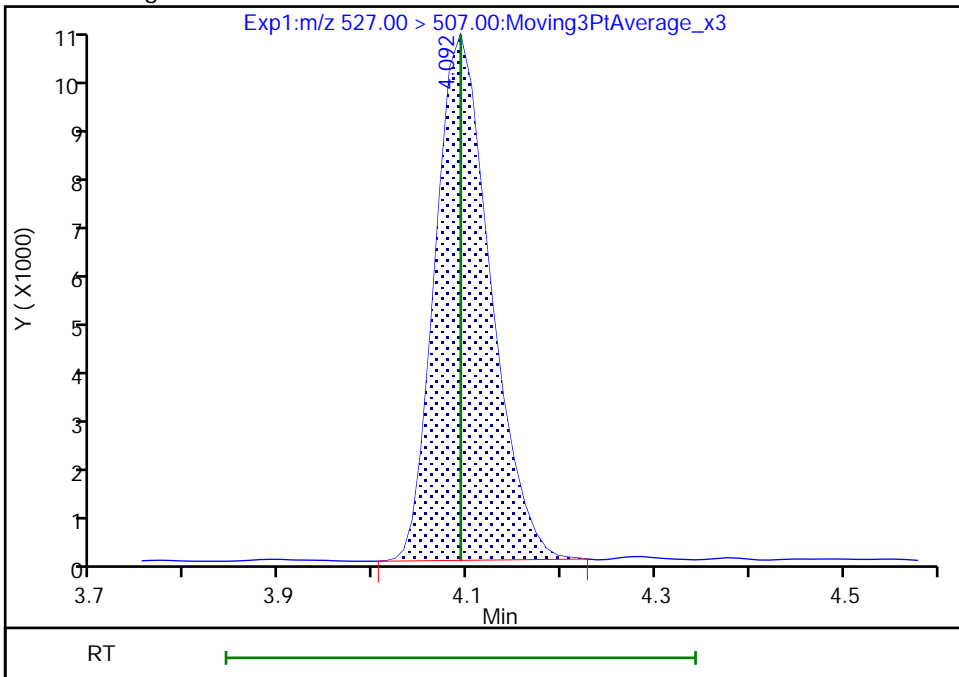
RT: 4.09
Area: 41439
Amount: 0.097438
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 41049
Amount: 0.098942
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:56:01
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

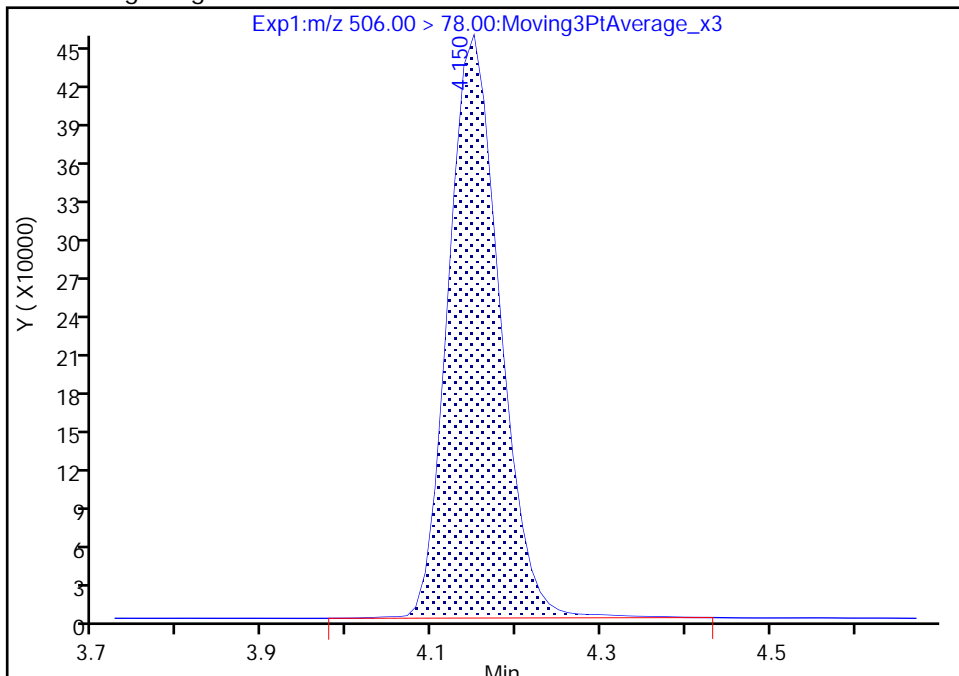
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

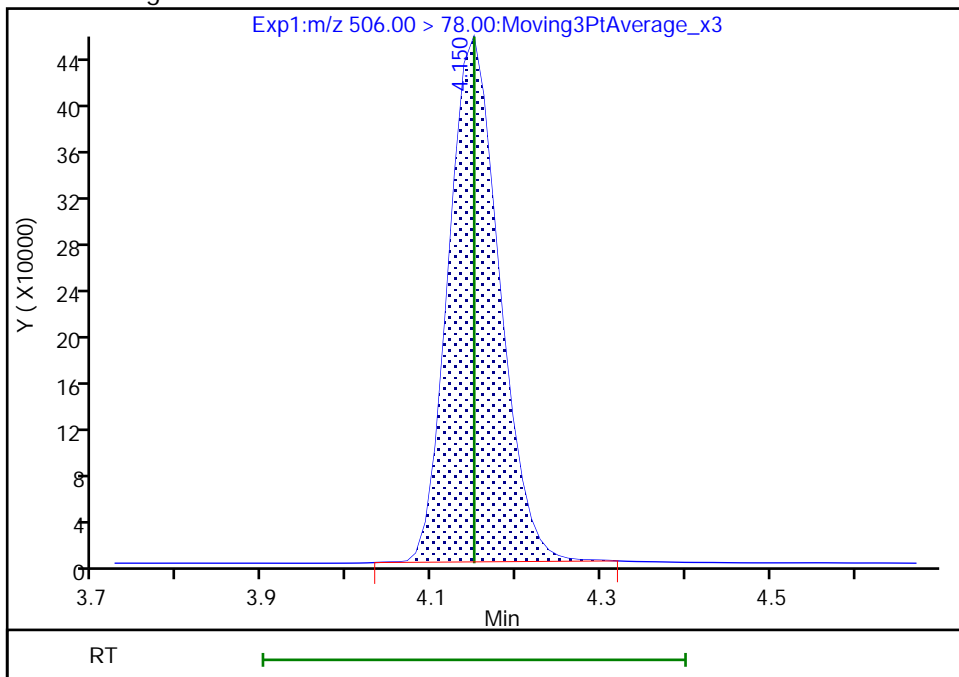
RT: 4.15
Area: 1921287
Amount: 1.214680
Amount Units: ng/ml

Processing Integration Results



RT: 4.15
Area: 1899612
Amount: 1.188681
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:56:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

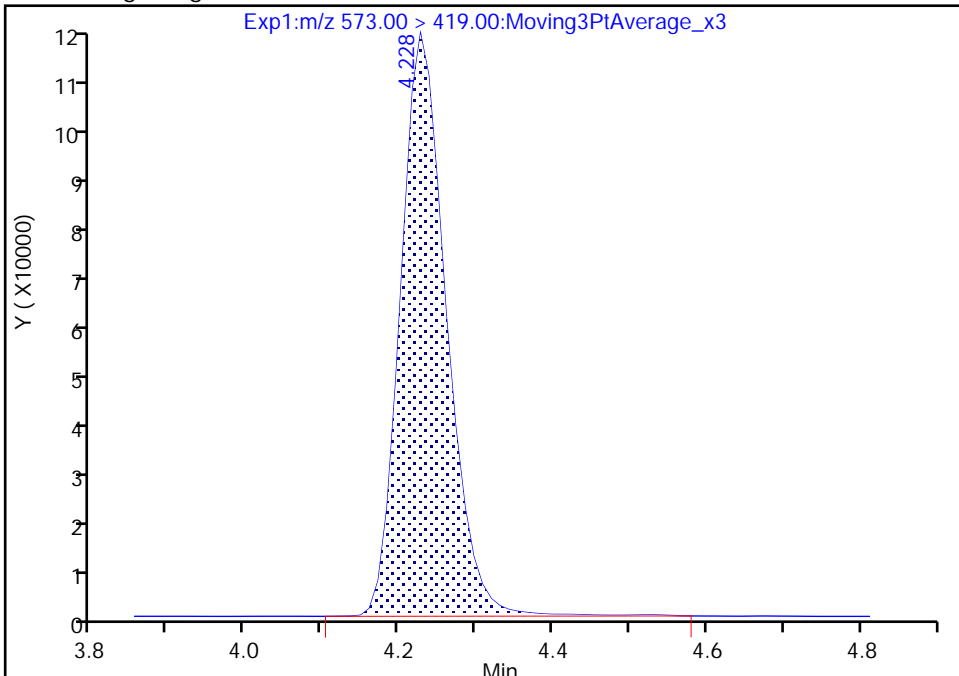
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

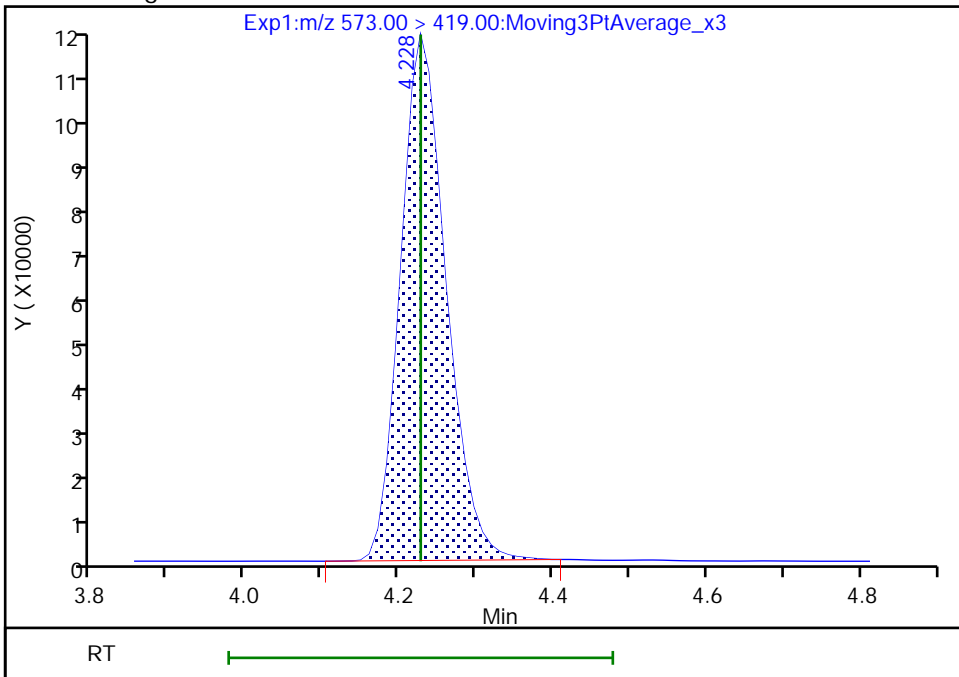
RT: 4.23
Area: 483256
Amount: 1.235603
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 478399
Amount: 1.205370
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:56:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

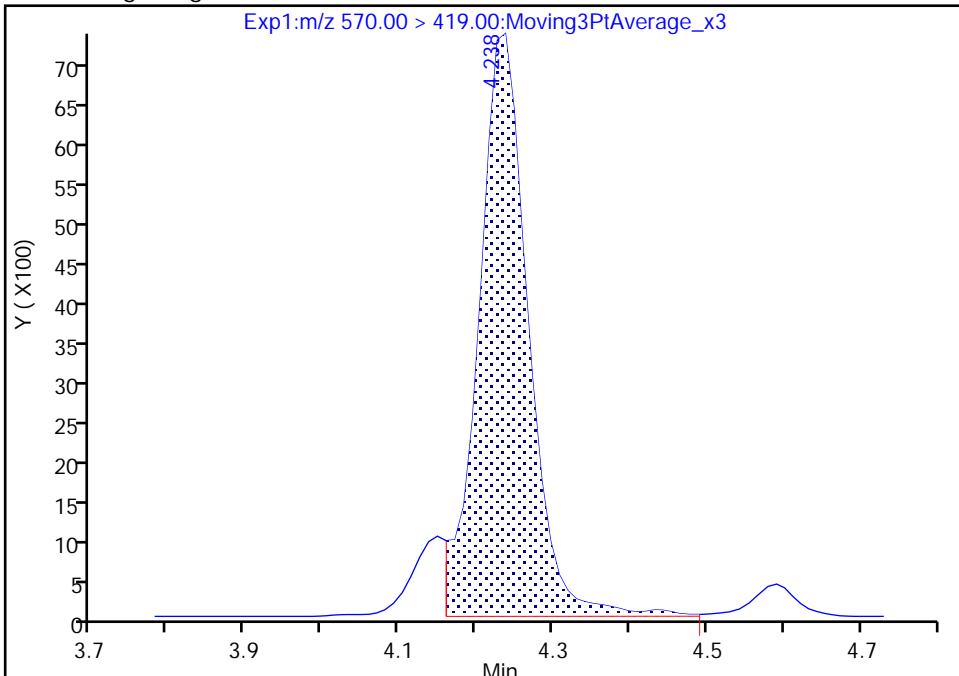
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

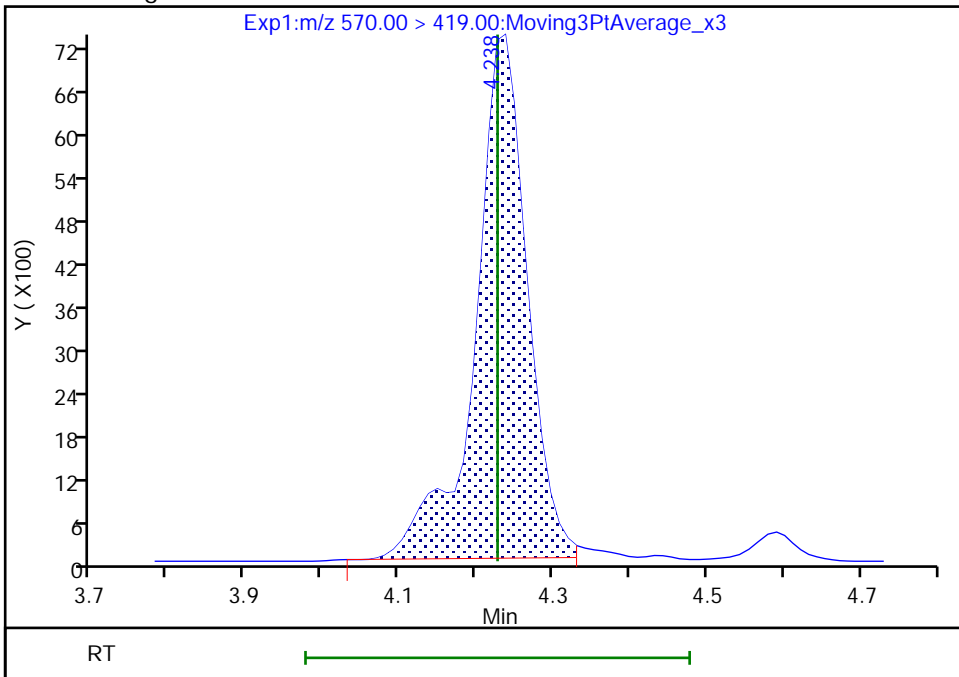
RT: 4.24
Area: 32710
Amount: 0.089959
Amount Units: ng/ml

Processing Integration Results



RT: 4.24
Area: 34156
Amount: 0.092118
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:56:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

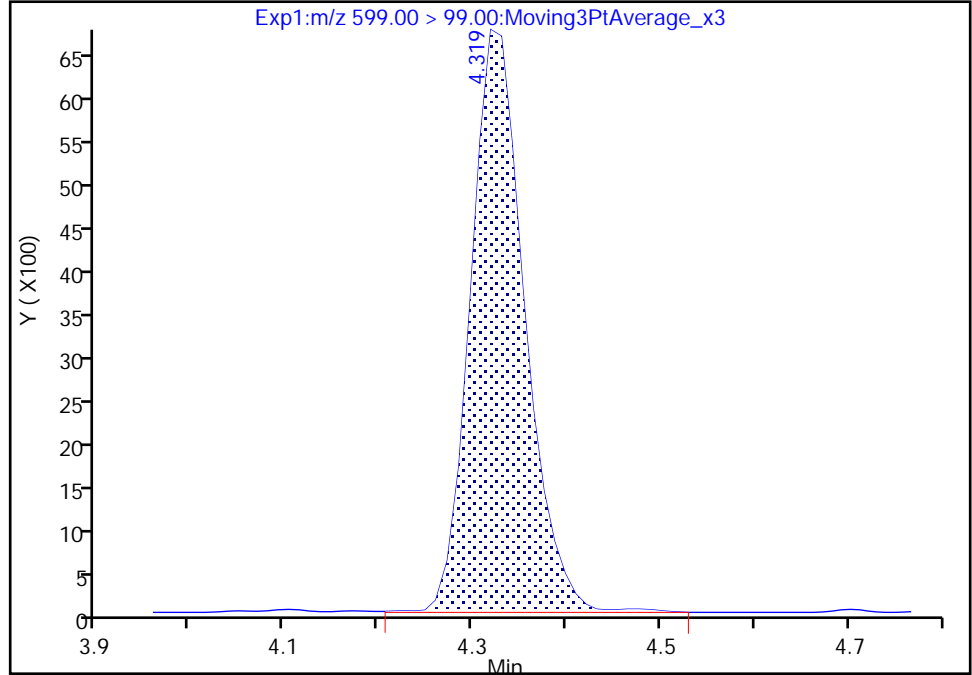
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

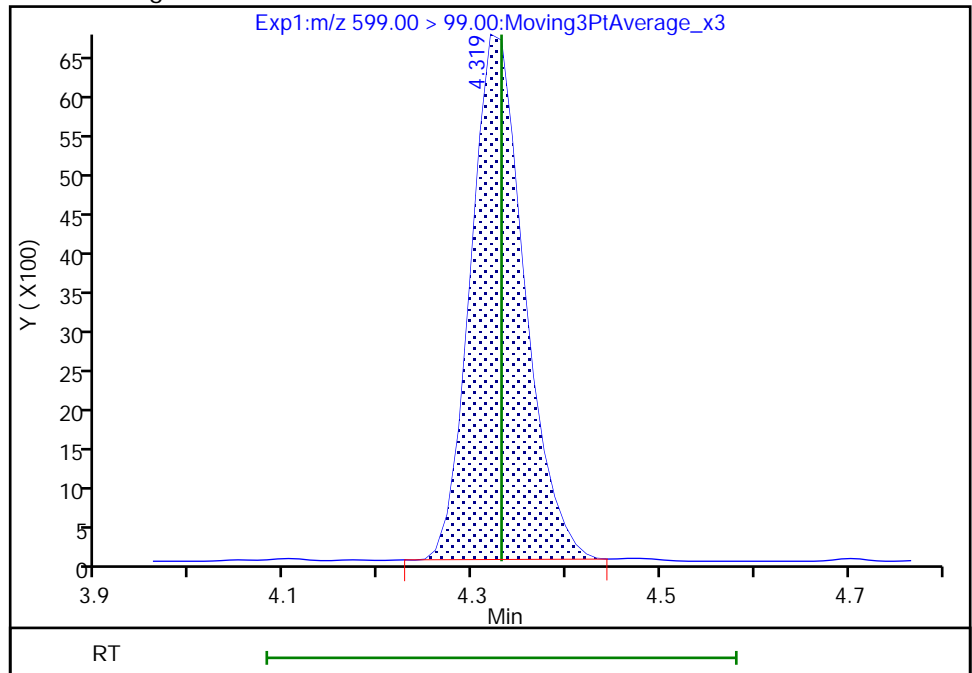
RT: 4.32
Area: 27216
Amount: 0.096282
Amount Units: ng/ml

Processing Integration Results



RT: 4.32
Area: 26777
Amount: 0.099171
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:56:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

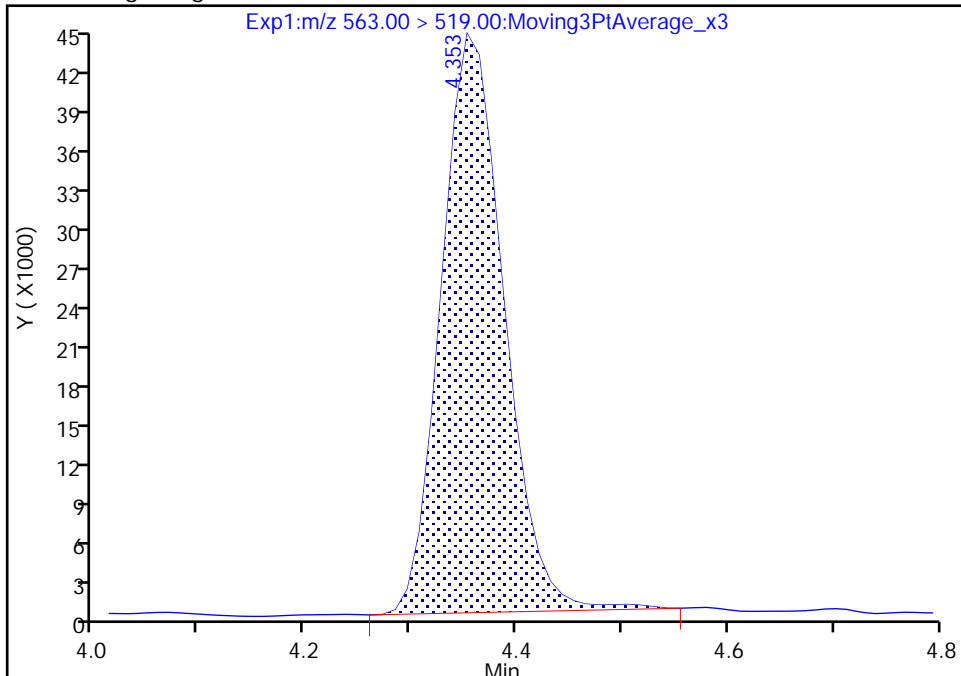
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

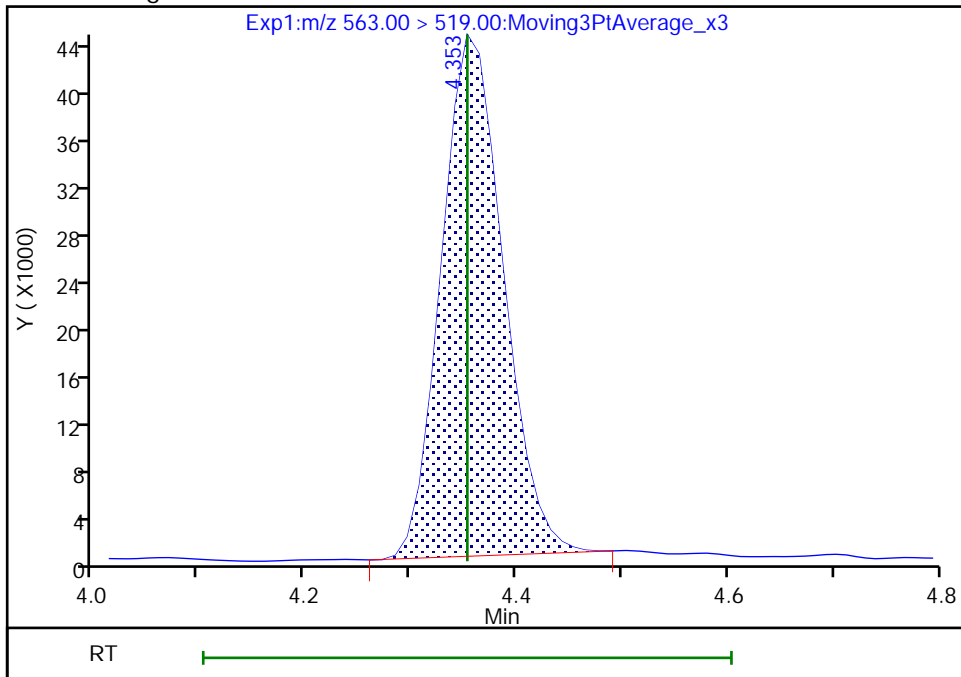
RT: 4.35
Area: 179706
Amount: 0.100640
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 176444
Amount: 0.103263
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:56:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

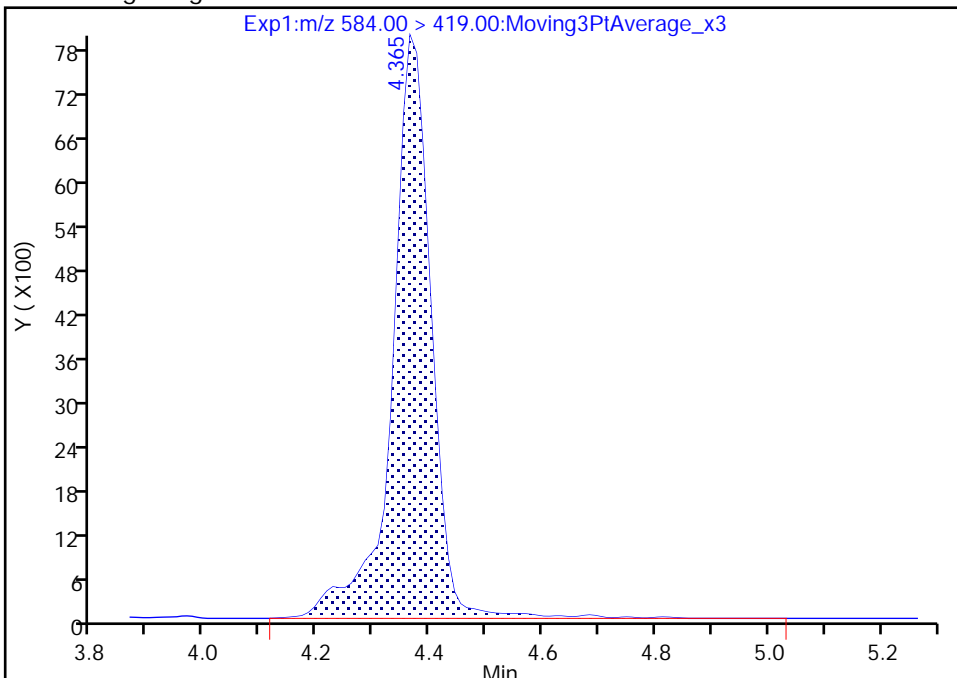
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

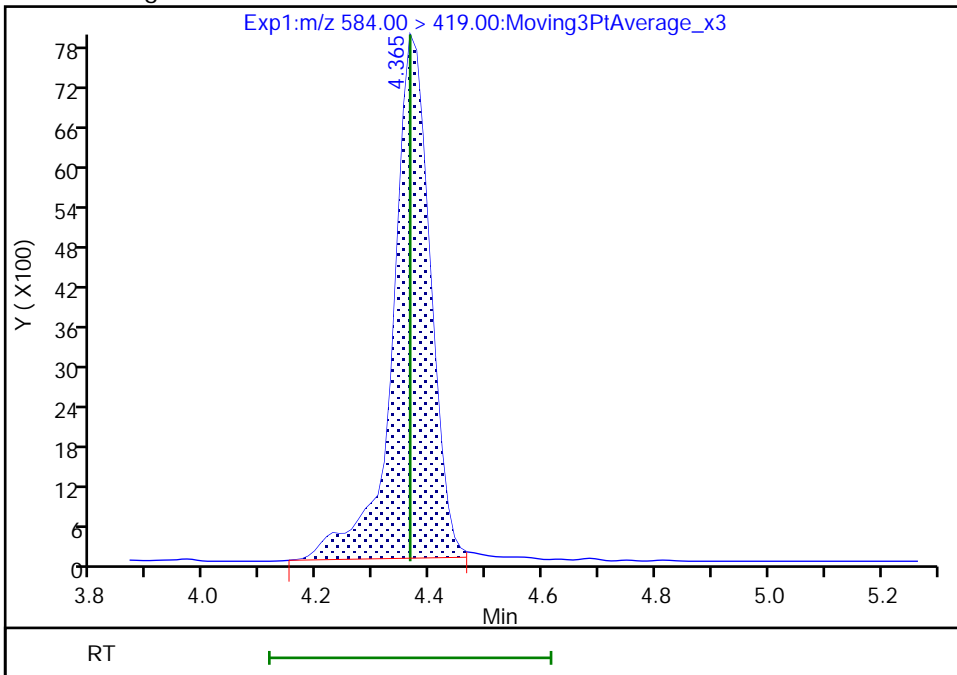
RT: 4.36
Area: 38260
Amount: 0.101365
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 36650
Amount: 0.106207
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:57:03
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

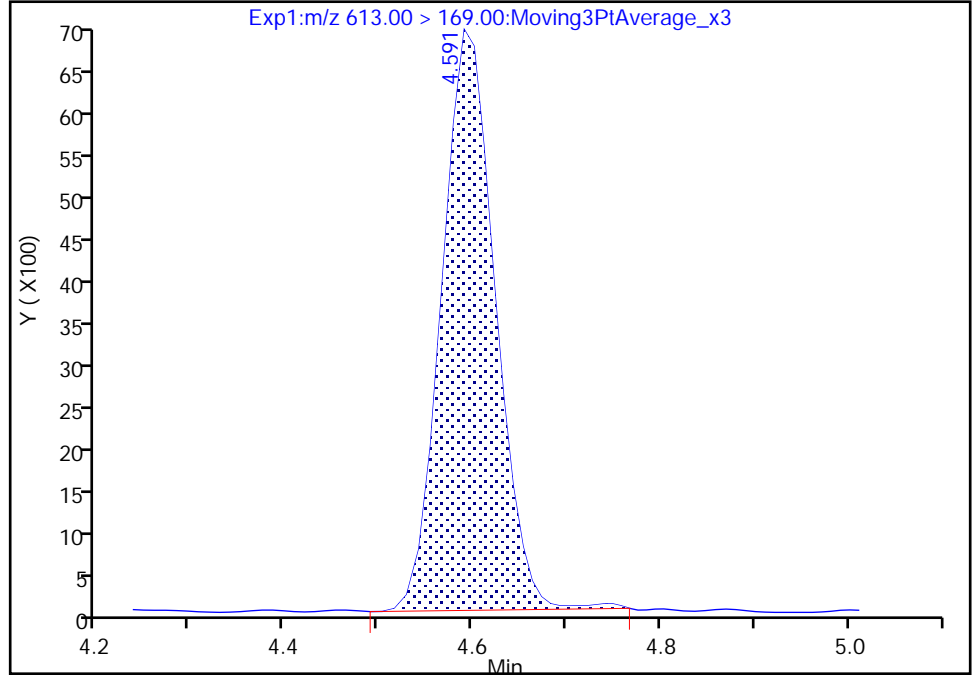
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

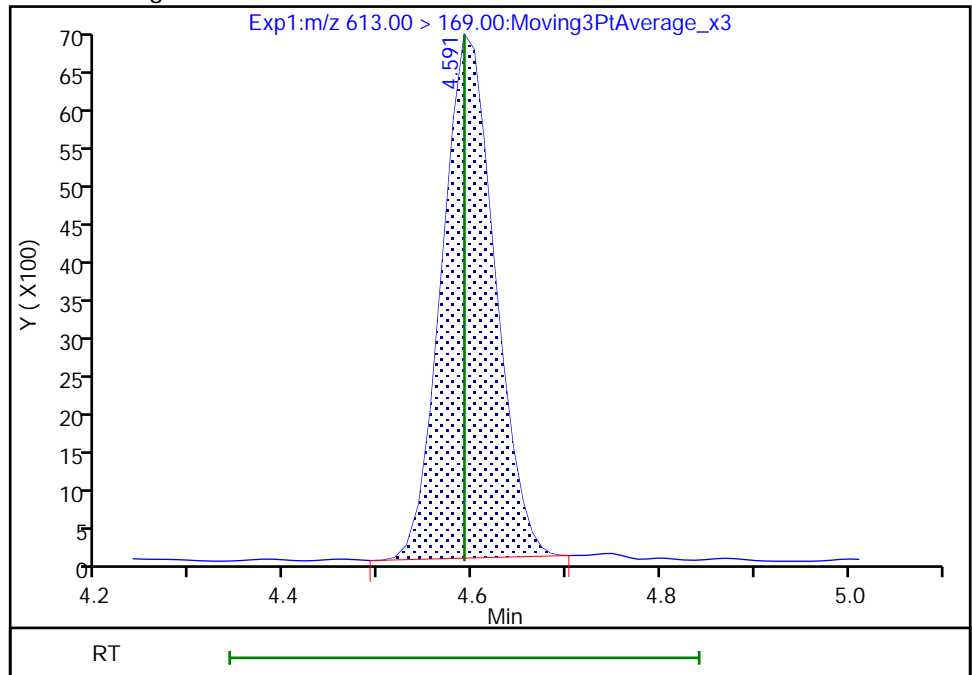
RT: 4.59
Area: 27250
Amount: 0.099538
Amount Units: ng/ml

Processing Integration Results



RT: 4.59
Area: 26866
Amount: 0.106894
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:57:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

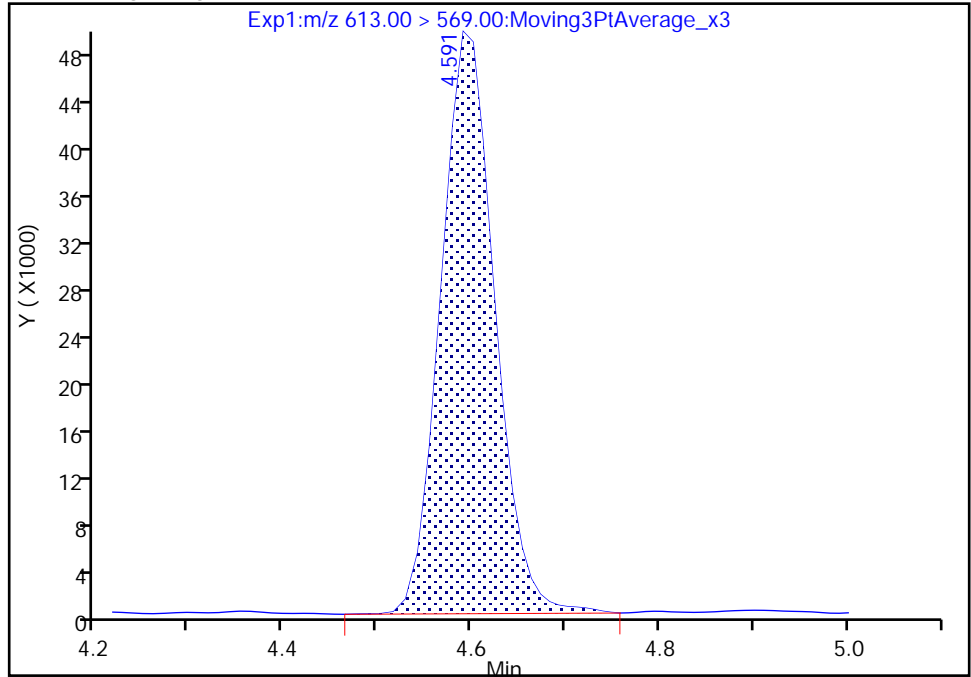
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

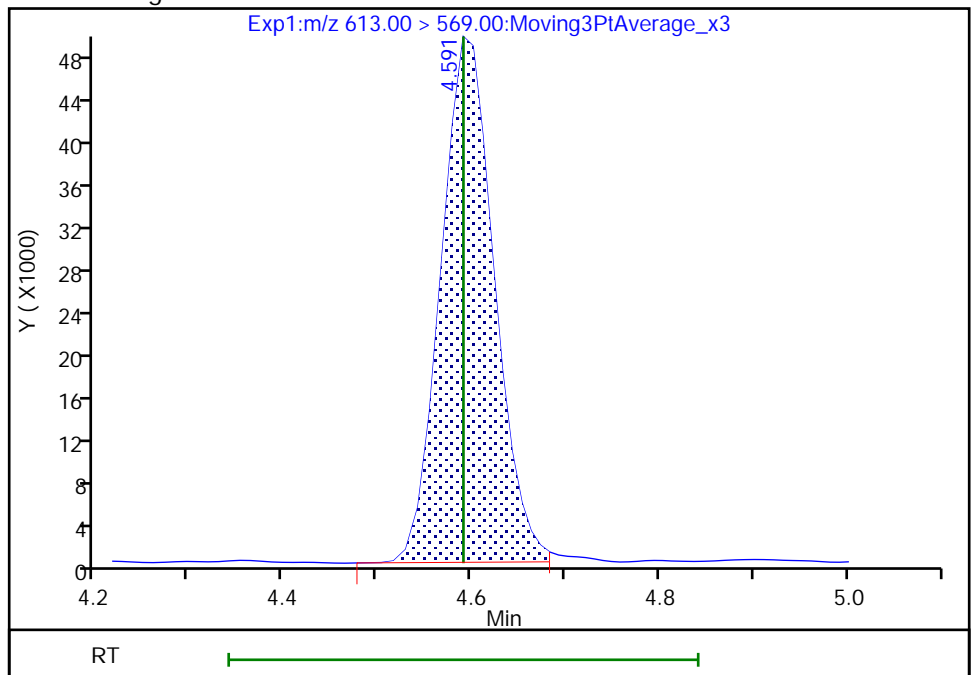
RT: 4.59
Area: 197049
Amount: 0.099538
Amount Units: ng/ml

Processing Integration Results



RT: 4.59
Area: 194829
Amount: 0.106894
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:57:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

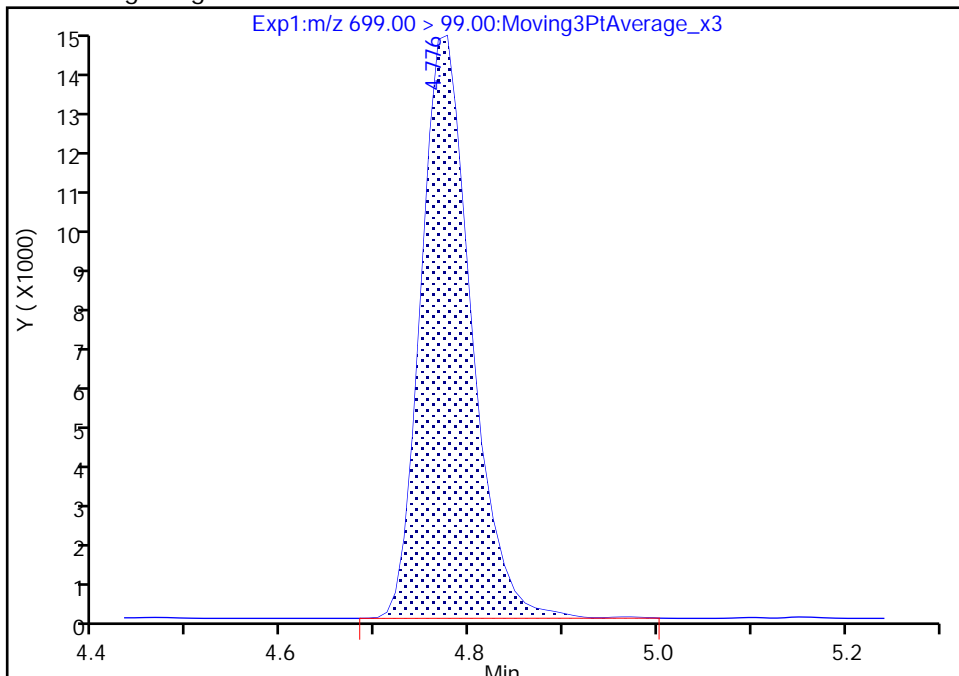
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

75 Perfluorododecanesulfonic acid (, CAS: 79780-39-5

Signal: 2

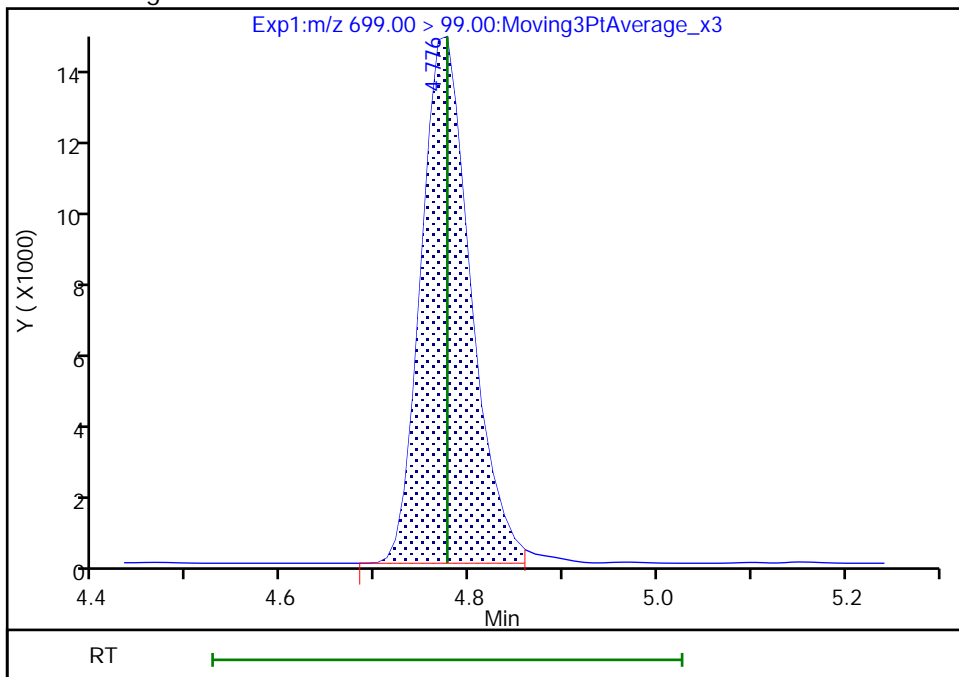
RT: 4.78
Area: 52070
Amount: 0.097278
Amount Units: ng/ml

Processing Integration Results



RT: 4.78
Area: 51408
Amount: 0.102415
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:57:36
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

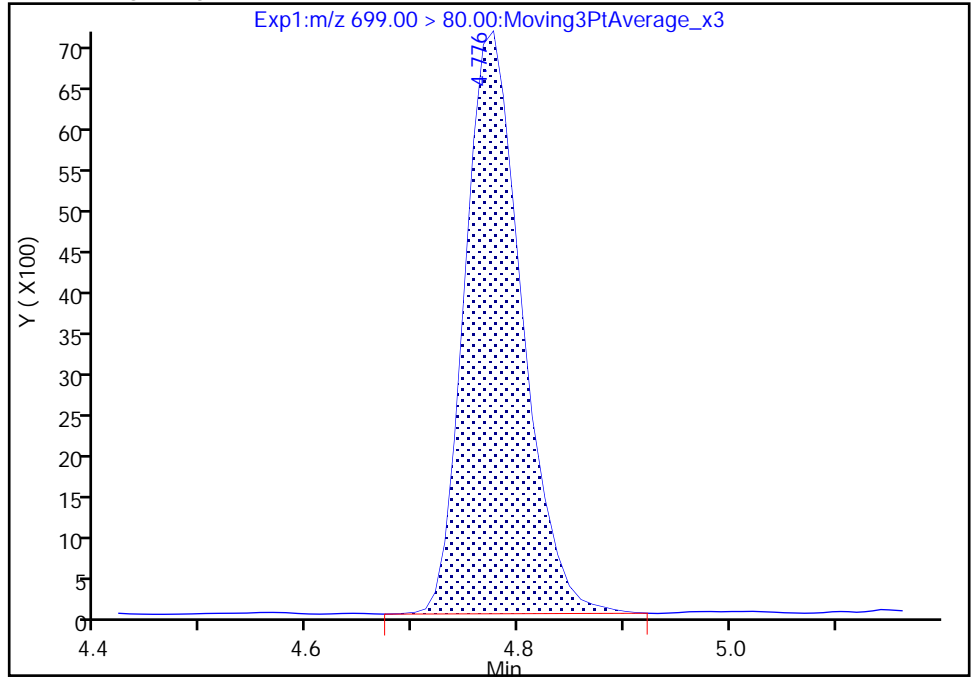
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

75 Perfluorododecanesulfonic acid (, CAS: 79780-39-5

Signal: 1

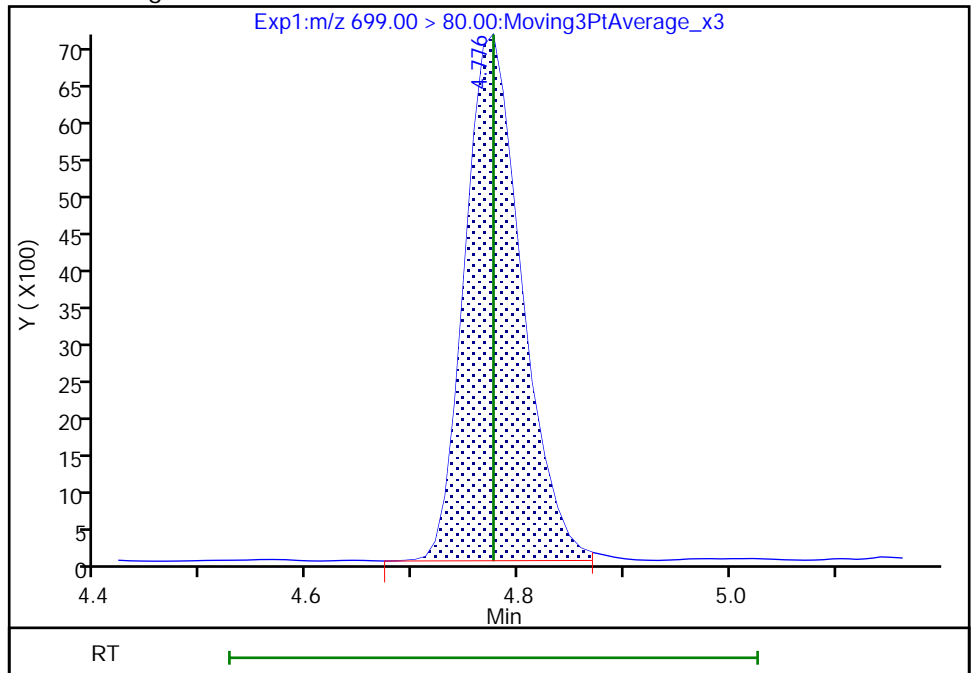
RT: 4.78
Area: 26672
Amount: 0.097278
Amount Units: ng/ml

Processing Integration Results



RT: 4.78
Area: 26552
Amount: 0.102415
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:57:40

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

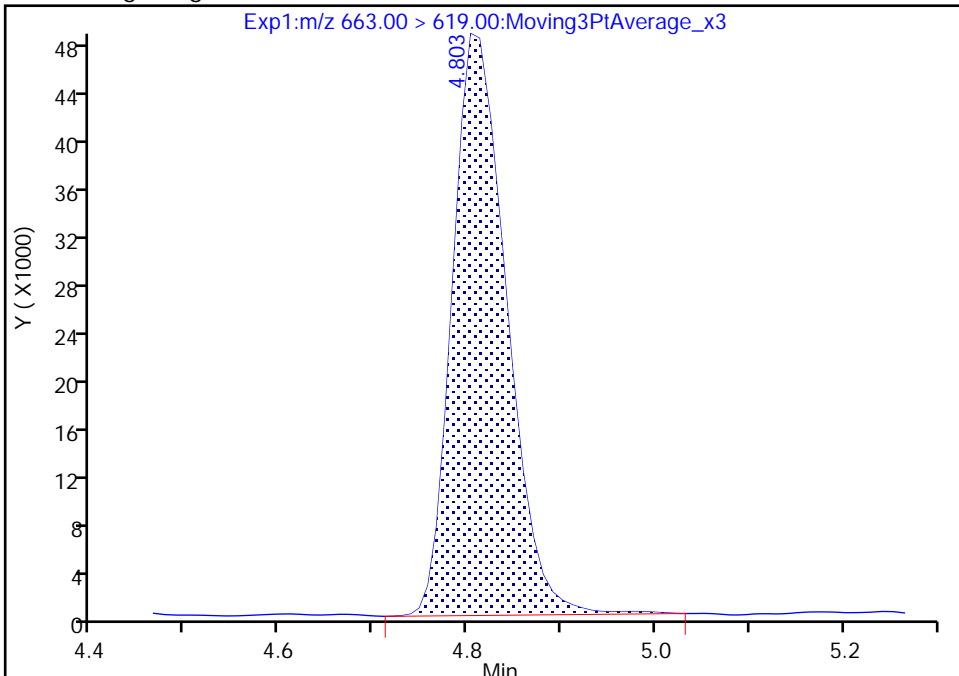
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

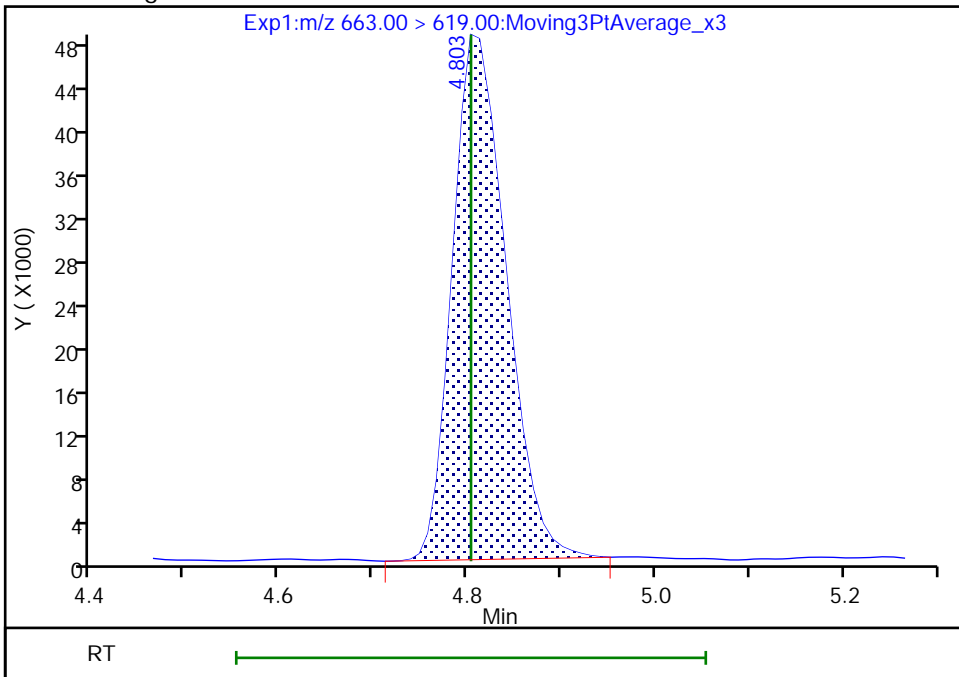
RT: 4.80
Area: 191046
Amount: 0.101171
Amount Units: ng/ml

Processing Integration Results



RT: 4.80
Area: 189059
Amount: 0.108461
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:57:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

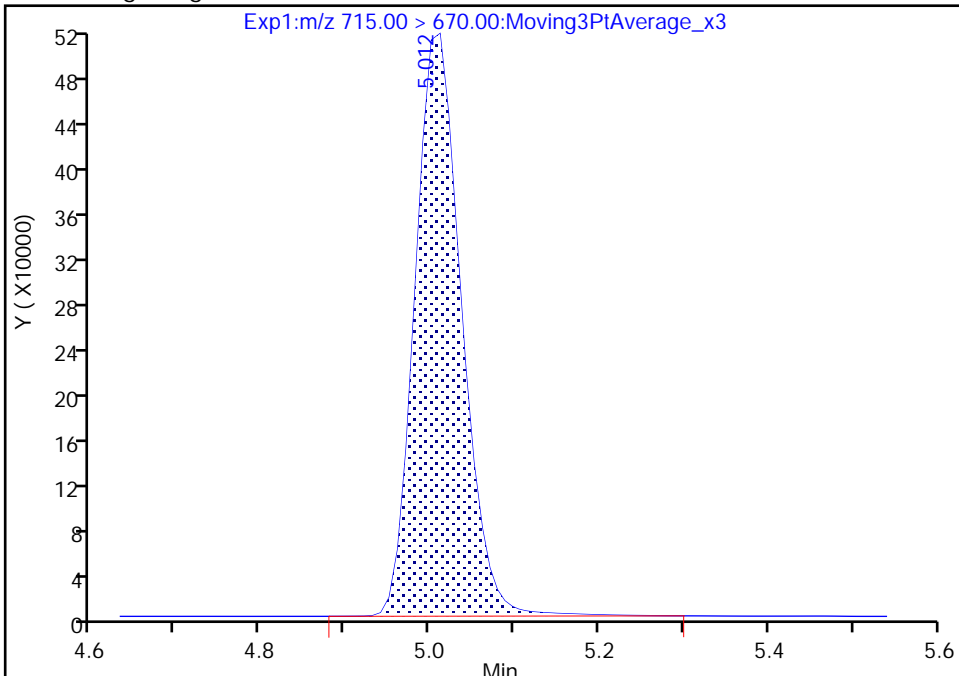
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

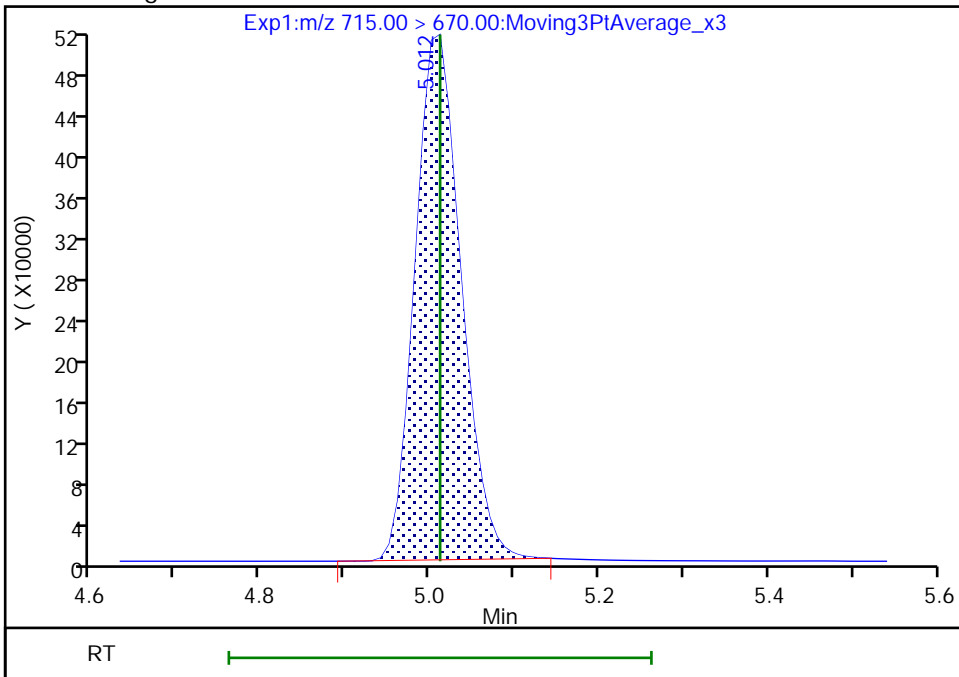
RT: 5.01
Area: 1965548
Amount: 1.242220
Amount Units: ng/ml

Processing Integration Results



RT: 5.01
Area: 1938056
Amount: 1.232163
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:57:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

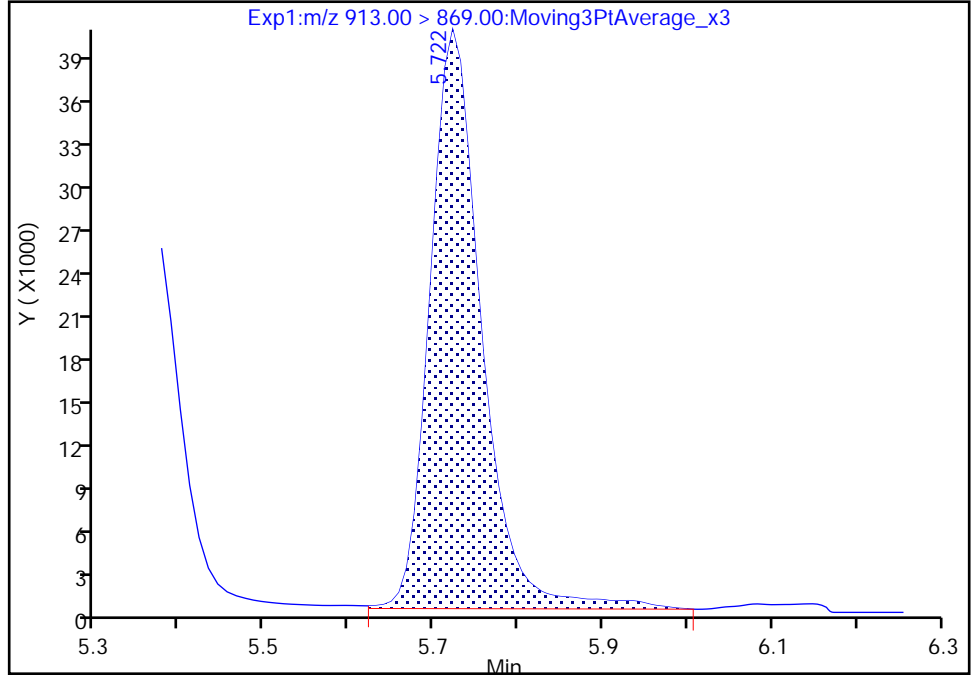
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

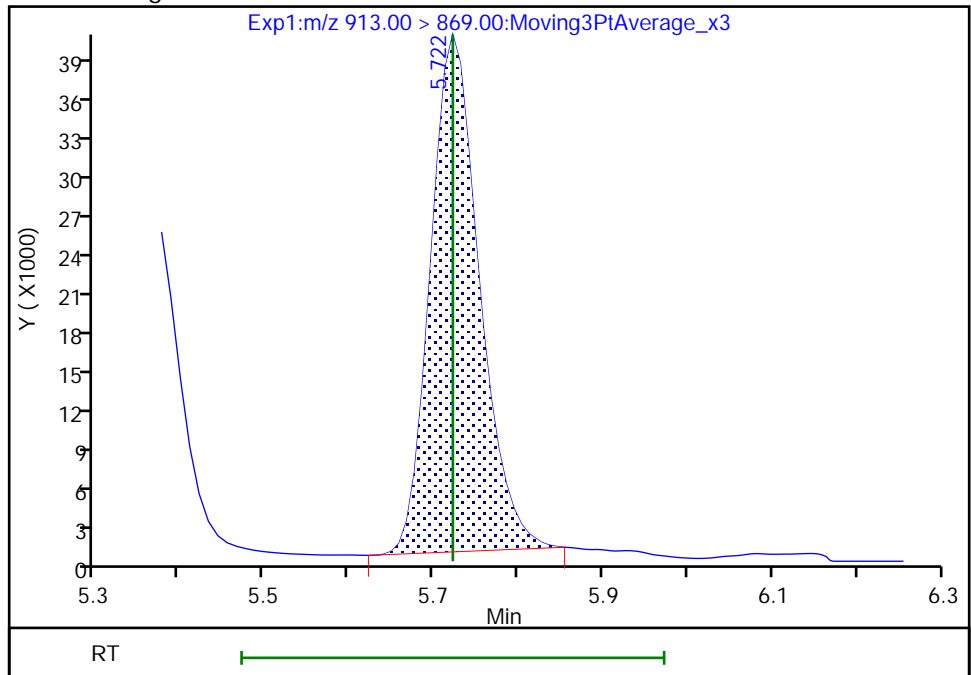
RT: 5.72
Area: 170572
Amount: 0.102523
Amount Units: ng/ml

Processing Integration Results



RT: 5.72
Area: 159361
Amount: 0.100699
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:58:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 18-Nov-2022 14:46:15 ALS Bottle#: 4 Worklist Smp#: 7
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 200-0053396-007 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 18-Nov-2022 15:37:34 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1602

First Level Reviewer: Z1IP Date: 18-Nov-2022 15:05:27

Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA	217.00 > 172.00	2.077	2.076	0.001	0.601	2637410	1.23	98.3	11854	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.076	0.009	1.004	1137760	0.5229		105	108	M
D 3 13C5 PFPeA	267.90 > 223.00	2.387	2.387	0.0	0.691	2052396	1.26	100	3508	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.387	2.387	0.0	1.000	929016	0.5192		104	24.4	M
D 47 13C3 PFBS	301.90 > 80.00	2.400	2.400	0.0	0.694	2040575	1.15	98.8	334958	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.414	2.400	0.014	1.006	899900	0.4481	Target=2.14	101	1321	
298.90 > 99.00	2.414	2.400	0.014	1.006	430748		2.09(1.07-3.21)	101	317	M
61 1H,1H,2H,2H-perfluorohexanesulfo	327.00 > 307.00	2.701	2.689	0.012	1.000	229433	0.4862	104	2008	
D 60 M2-4:2 FTS	329.00 > 81.00	2.701	2.689	0.012	0.781	178810	1.14	97.6	203	
D 7 13C2 PFHxA	315.00 > 270.00	2.738	2.725	0.013	0.792	2177304	1.27	102	5404	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.738	2.725	0.013	1.000	992048	0.5227	Target=13.44	105	212	M
313.00 > 119.00	2.738	2.725	0.013	1.000	70446		14.08(6.72-20.15)	105	109	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.738	2.737	0.001	0.883	837304	0.5028	Target=2.98	107	1270	M
349.00 > 99.00	2.738	2.737	0.001	0.883	277034		3.02(1.49-4.47)	107	689	
D 64 13C3 HFPO-DA	287.00 > 169.00	2.847	2.835	0.012	0.824	378942	1.25	100	2213	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.847	2.835	0.012	1.000	174879	0.5463		109	738	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.099	3.088	0.011	0.897	1474490	1.14		96.4	2992	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.099	3.088	0.011	1.000	680406	0.4835	Target=3.57	106	613	M
399.00 > 99.00	3.099	3.088	0.011	1.000	185398		3.67(1.78-5.35)	106	227	M
D 9 13C4 PFHpA										M
367.00 > 322.00	3.099	3.099	0.0	0.897	2150118	1.22		97.6	2578	M
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.099	3.099	0.0	1.000	1003322	0.5357	Target=3.93	107	220	
363.00 > 169.00	3.099	3.099	0.0	1.000	251672		3.99(1.96-5.89)	107	546	M
77 DONA										M
377.00 > 251.00	3.132	3.132	0.0	0.832	2408962	0.5050	Target=3.08	107	2523	M
377.00 > 85.00	3.132	3.132	0.0	0.832	760123		3.17(1.54-4.62)	107	909	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.439	3.439	0.0	0.995	247623	1.14		96.1	604	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.439	3.439	0.0	1.000	235479	0.5227		110	570	
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.439	3.439	0.0	0.914	616490	0.5096	Target=5.16	107	2611	
449.00 > 99.00	3.439	3.439	0.0	0.914	120467		5.12(2.58-7.74)	107	616	M
D 14 13C4 PFOA										
417.00 > 372.00	3.448	3.448	0.0	0.997	2474245	1.25		99.9	3212	
* 62 13C2 PFOA										
415.00 > 370.00	3.457	3.448	0.009		2392397	1.25			3521	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.457	3.448	0.009	1.003	1110144	0.5246	Target=2.82	105	82.7	
413.00 > 169.00	3.457	3.448	0.009	1.003	391263		2.84(1.41-4.23)	105	806	
D 18 13C4 PFOS										M
503.00 > 80.00	3.764	3.764	0.0	1.089	1035061	1.18		98.6	2361	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.774	3.764	0.010	1.003	471879	0.4480	Target=5.01	96.5	102	M
499.00 > 99.00	3.764	3.764	0.0	1.000	103252		4.57(2.50-7.51)	96.5	102	M
D 19 13C5 PFNA										M
468.00 > 423.00	3.783	3.783	0.0	1.094	2379680	1.24		98.9	2665	M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.783	3.783	0.0	1.000	1050495	0.5319	Target=8.49	106	218	
463.00 > 169.00	3.783	3.783	0.0	1.000	118713		8.85(4.25-12.74)	106	803	M
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.928	3.928	0.0	1.044	1190983	0.4926		106	2626	M
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.061	4.050	0.011	1.079	390435	0.4911	Target=2.60	102	2933	
549.00 > 99.00	4.061	4.050	0.011	1.079	149046		2.62(1.30-3.90)	102	1506	
D 23 13C2 PFDA										M
515.00 > 470.00	4.082	4.081	0.001	1.181	2334094	1.19		95.2	2867	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.093	4.081	0.012	1.003	1184639	0.5850	Target=10.03	117	511	
513.00 > 169.00	4.093	4.081	0.012	1.003	108172		10.95(5.02-15.05)	117	172	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.093	4.093	0.0	1.184	321045	1.21		101	876	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.093	4.093	0.0	1.000	222425	0.5131		107	1417	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.150	4.150	0.0	1.000	835408	0.5081		102	1225	
D 21 13C8 FOSA										M
506.00 > 78.00	4.150	4.150	0.0	1.201	1967036	1.22		97.8	2140	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.228	4.228	0.0	1.223	466044	1.17		93.3	922	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.239	4.228	0.011	1.003	183478	0.5604		112	288	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.332	4.331	0.001	1.151	325384	0.5183	Target=2.58	108	1654	
599.00 > 99.00	4.332	4.331	0.001	1.151	120718		2.70(1.29-3.86)	108	963	M
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.355	4.353	0.002	1.000	1004863	0.5589	Target=10.10	112	429	M
563.00 > 169.00	4.355	4.353	0.002	1.000	95565		10.51(5.05-15.15)	112	1035	
D 30 13C2 PFUnA										M
565.00 > 520.00	4.355	4.353	0.002	1.260	2230172	1.24		99.3	2329	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.377	4.365	0.012	1.003	182262	0.5108		102	737	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.366	4.365	0.001	1.263	498173	1.27		101	956	
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.455	4.454	0.001	1.184	1834007	0.4921		104	3964	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.602	4.591	0.011	1.000	1027352	0.5397	Target=7.41	108	64.0	
613.00 > 169.00	4.591	4.591	0.0	0.998	134691		7.63(3.70-11.11)	108	843	
D 36 13C2 PFDaA										
615.00 > 570.00	4.602	4.591	0.011	1.331	2245926	1.23		98.2	3386	
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.612	4.612	0.0	1.127	125547	0.4819		100.0	653	M
75 Perfluorododecanesulfonic acid (M
699.00 > 80.00	4.776	4.776	0.0	1.269	135657	0.5107	Target=0.51	106	1367	M
699.00 > 99.00	4.776	4.776	0.0	1.269	264160		0.51(0.25-0.76)	106	1629	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.813	4.804	0.009	1.046	987678	0.5425	Target=5.40	109	72.4	M
663.00 > 169.00	4.813	4.804	0.009	1.046	186073		5.31(2.70-8.10)	109	641	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.012	5.012	0.0	1.000	113607	0.5327	Target=0.90	107	875	
713.00 > 219.00	5.002	5.012	-0.010	0.998	120383		0.94(0.45-1.35)	107	1031	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.012	5.012	0.0	1.450	1947280	1.23		98.4	2530	M

Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										M
815.00 > 770.00	5.378	5.367	0.011	1.556	2348434	1.20		96.0	2289	M
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.378	5.367	0.011	1.000	978907	0.5496	Target=5.85	110	82.4	M
813.00 > 169.00	5.378	5.367	0.011	1.000	169718		5.77(2.93-8.78)	110	842	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.722	5.722	0.0	1.064	852104	0.5507	Target=6.30	110	86.6	M
913.00 > 169.00	5.722	5.722	0.0	1.064	133969		6.36(3.15-9.46)	110	557	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC3_00015

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d

Injection Date: 18-Nov-2022 14:46:15

Instrument ID: LC812

Lims ID: IC

Client ID:

Operator ID: lc812tech

ALS Bottle#: 4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

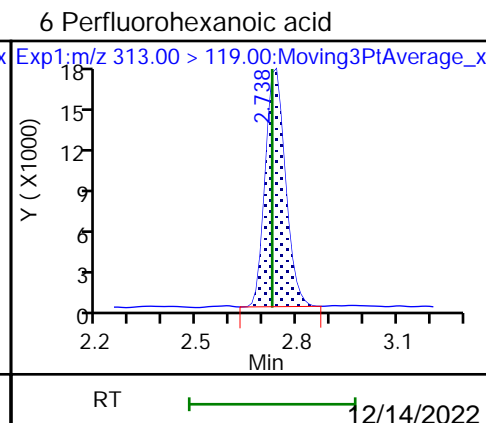
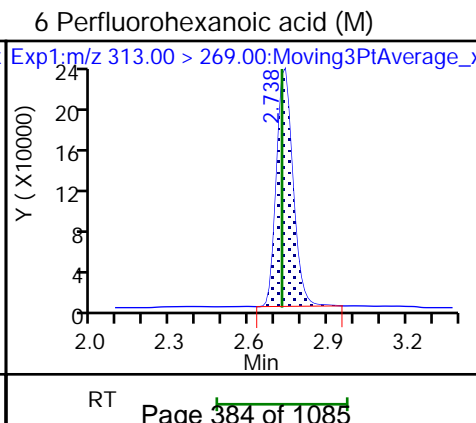
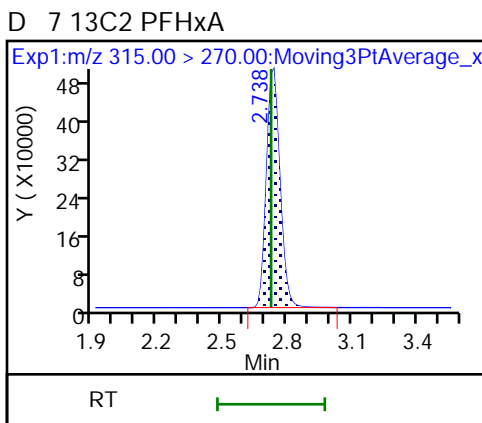
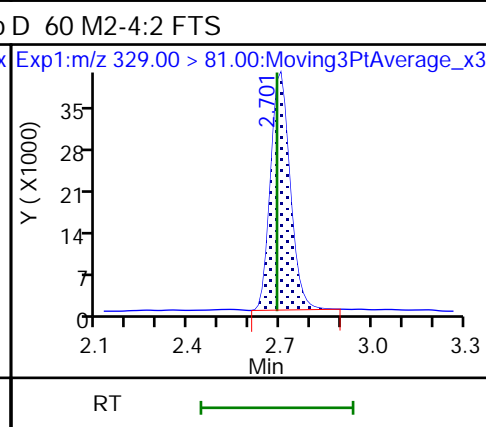
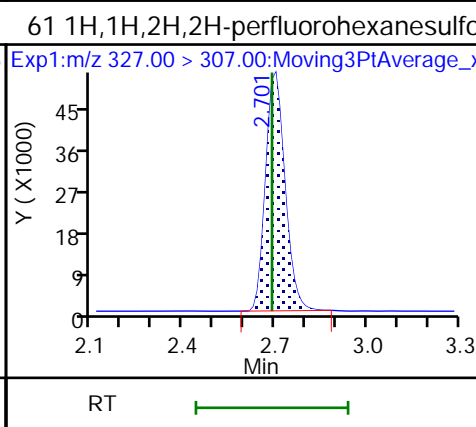
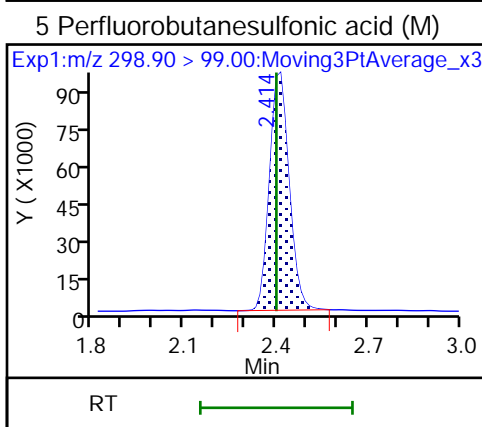
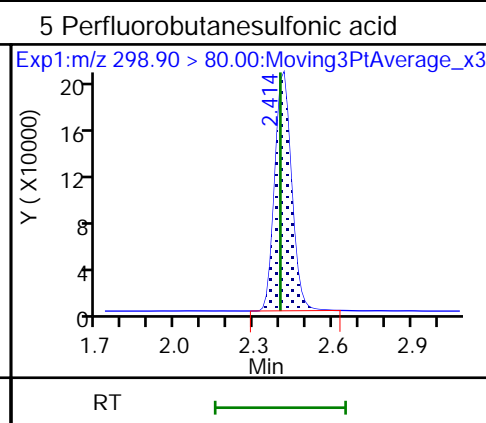
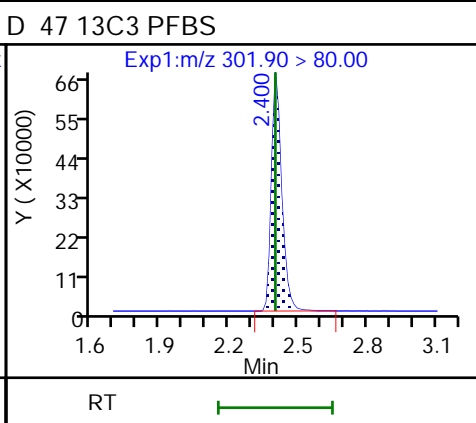
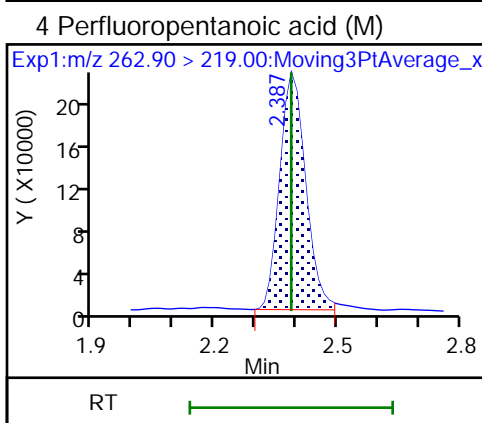
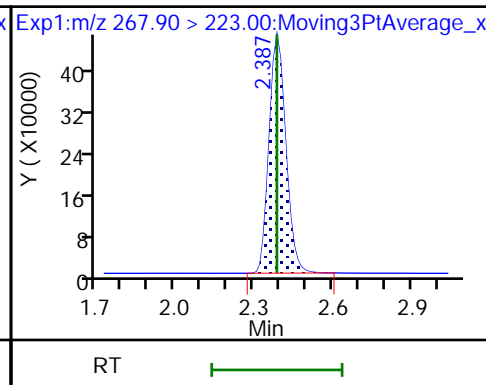
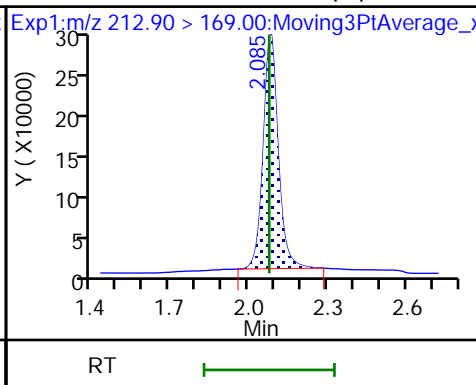
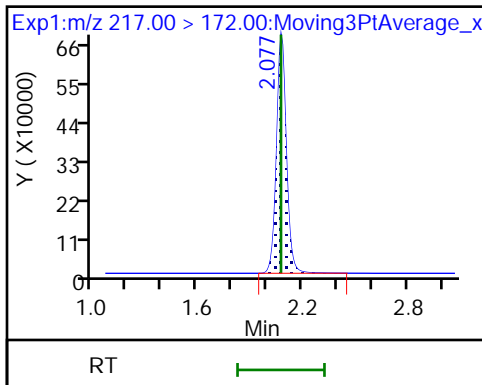
Method: PFC_LC812

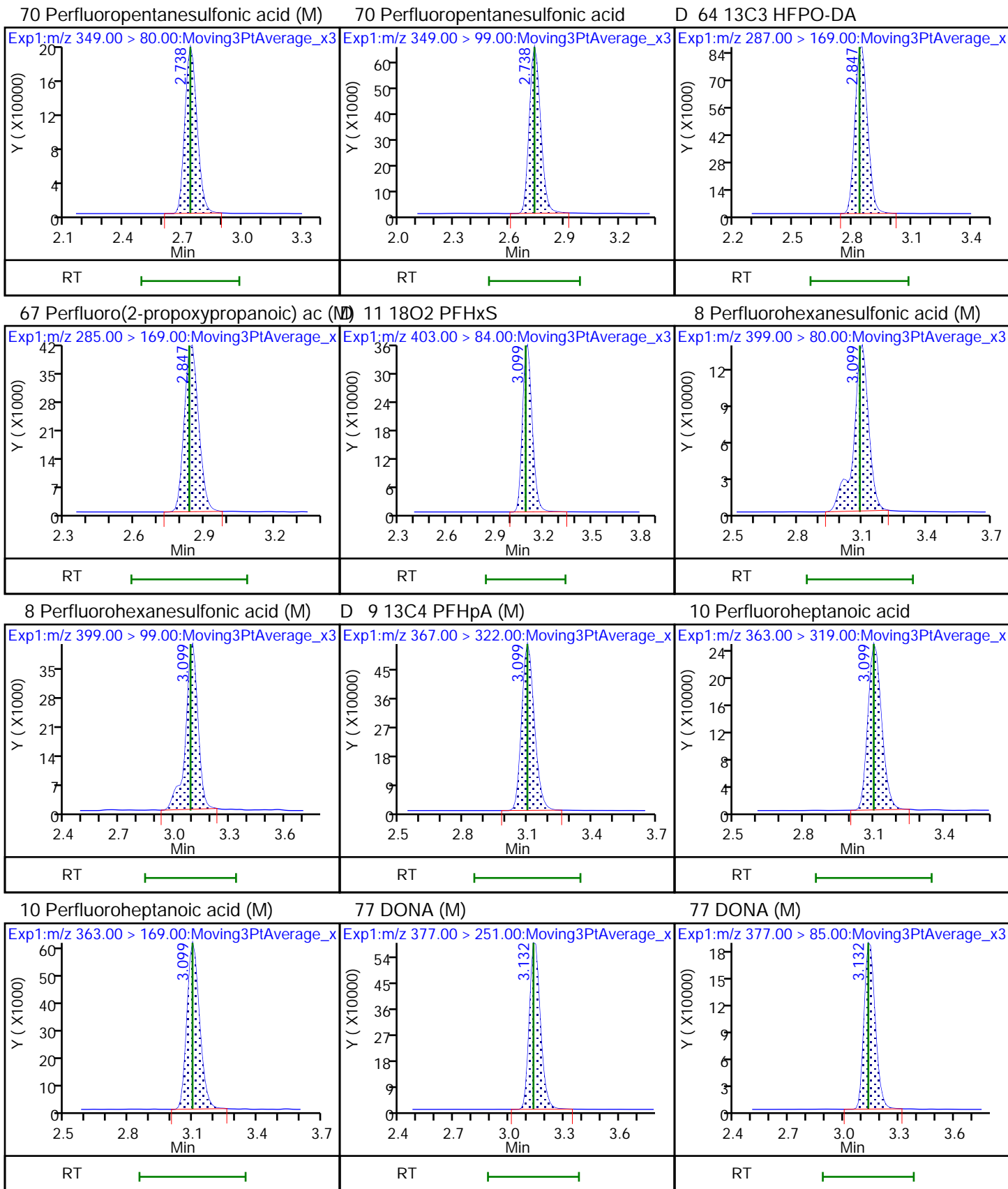
Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

D 3 13C5 PFPeA

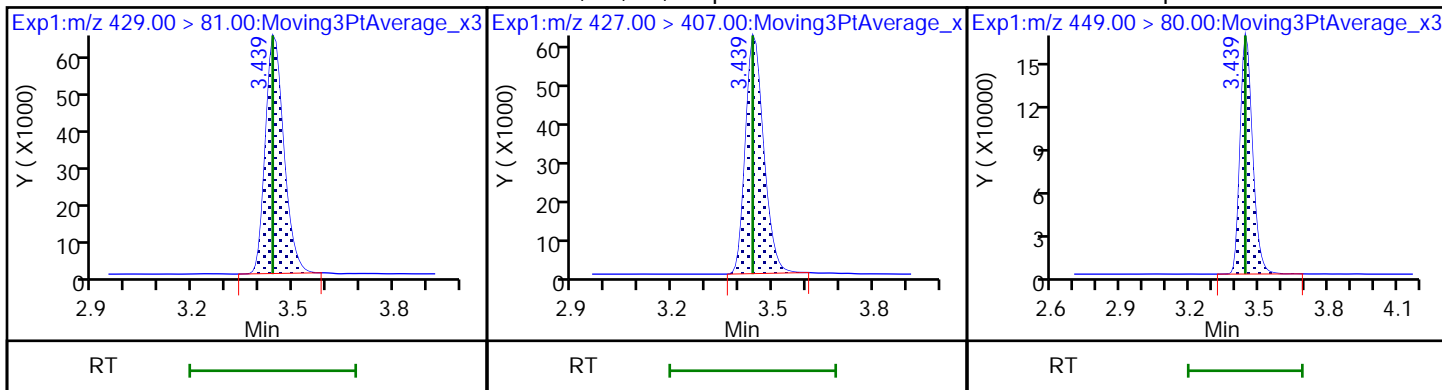




D 12 M2-6:2 FTS

13 1H,1H,2H,2H-perfluorooctanesulfo

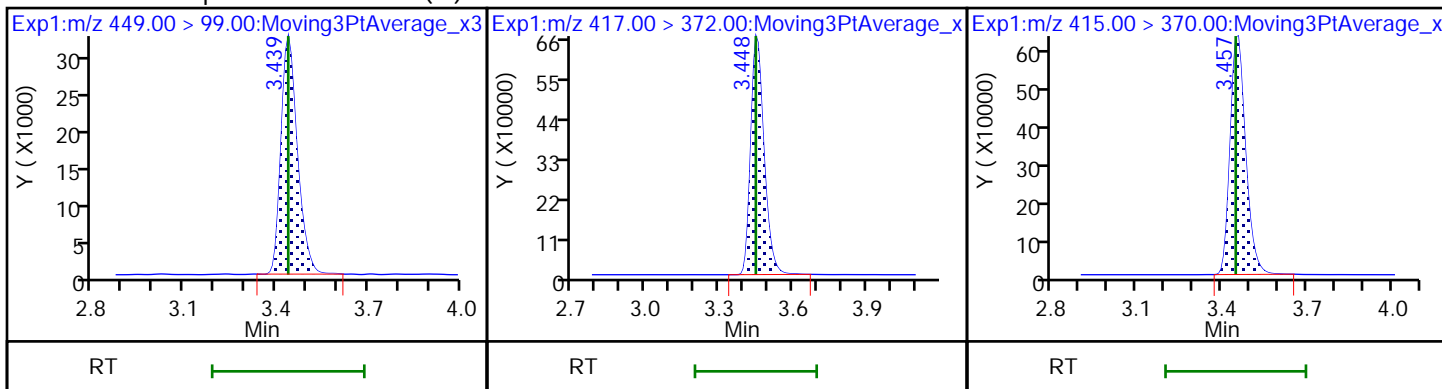
16 Perfluoroheptanesulfonic acid



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

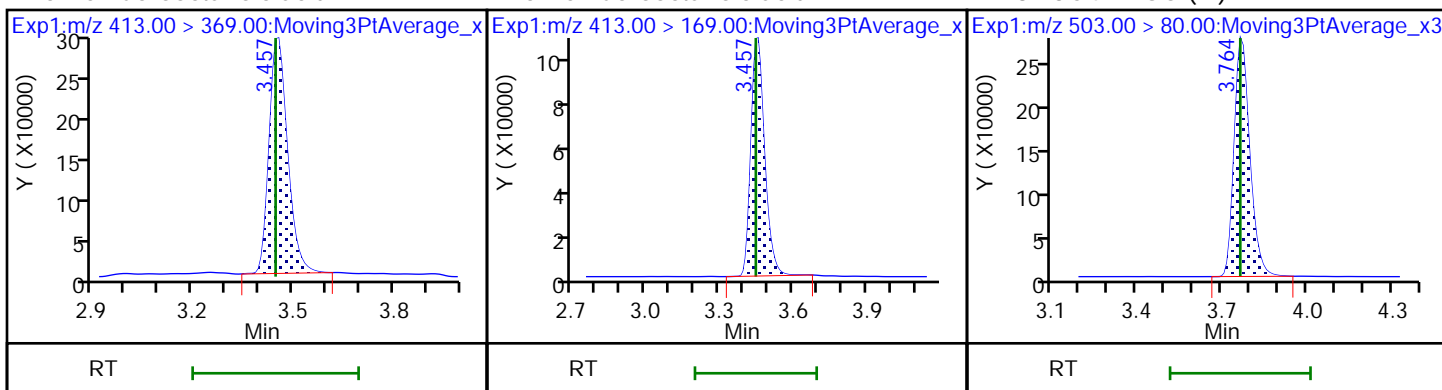
* 62 13C2 PFOA



15 Perfluorooctanoic acid

15 Perfluorooctanoic acid

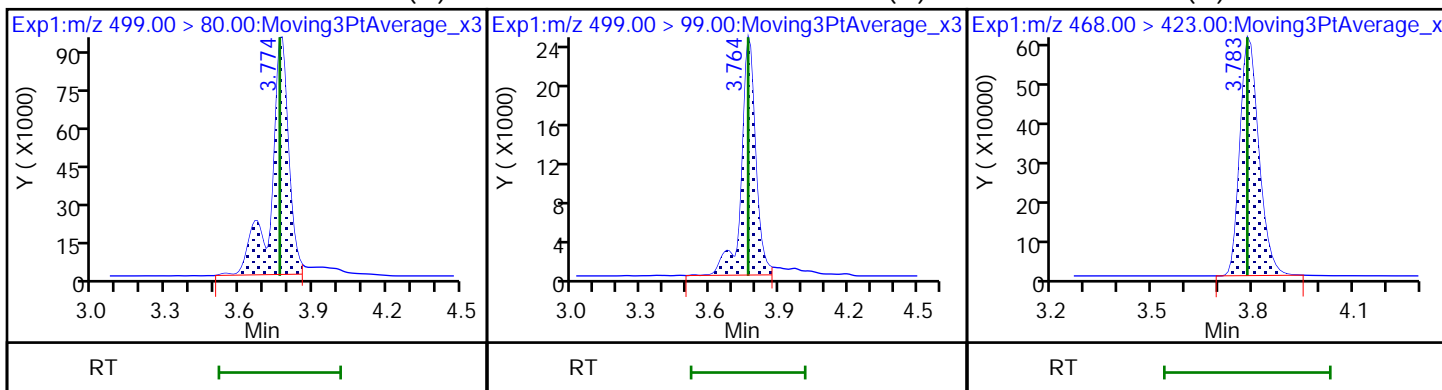
D 18 13C4 PFOS (M)

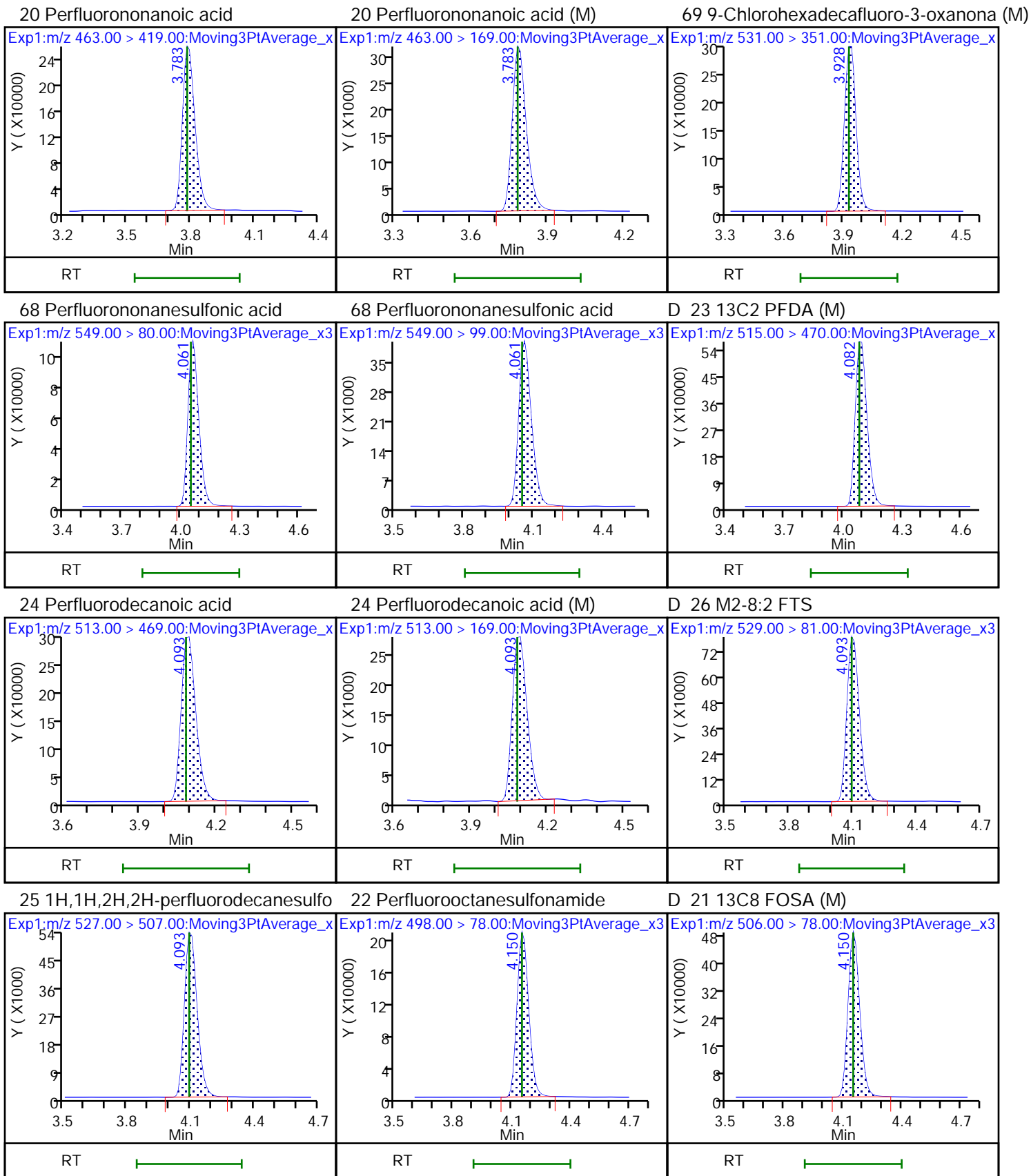


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

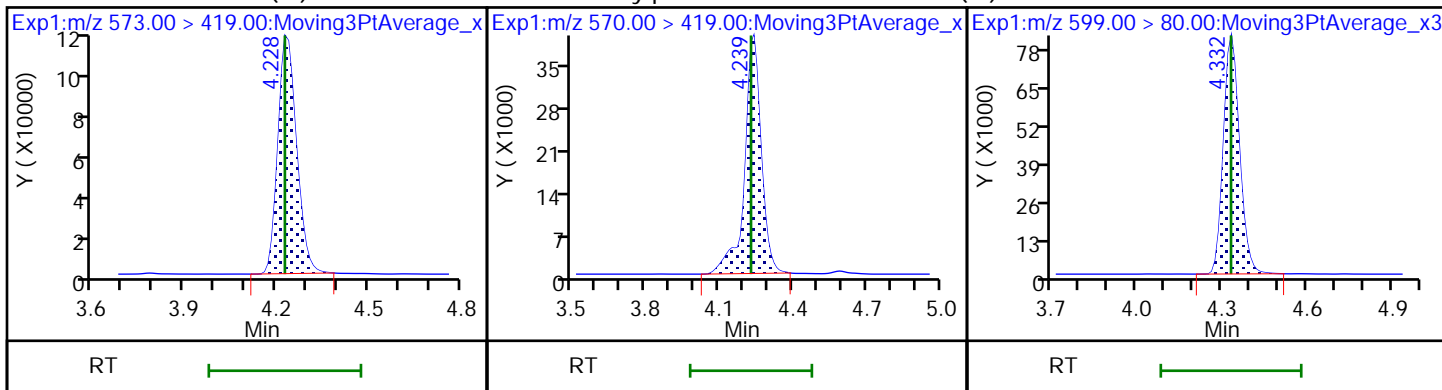
D 19 13C5 PFNA (M)





D 27 d3-NMeFOSAA (M)

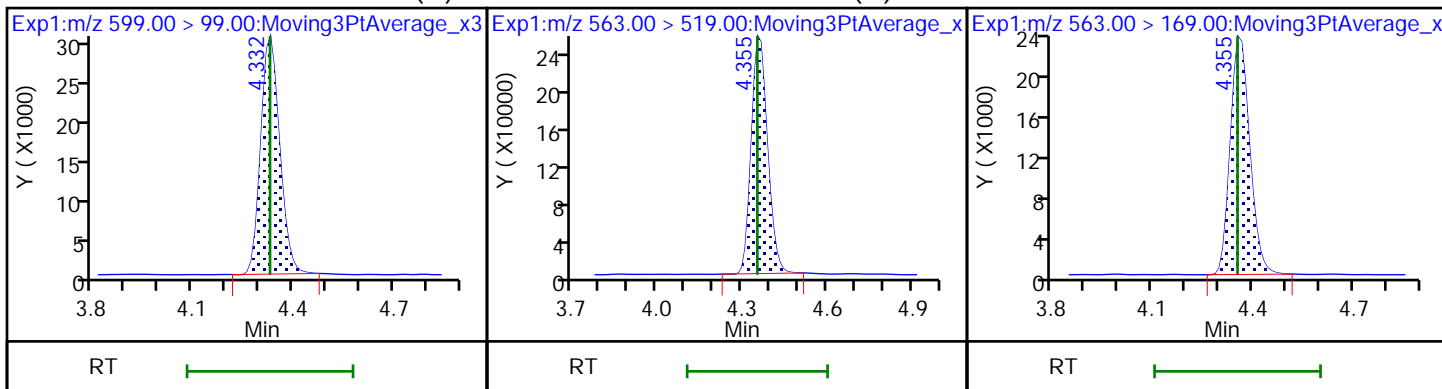
28 N-methylperfluorooctanesulfonami (M) 29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid (M)

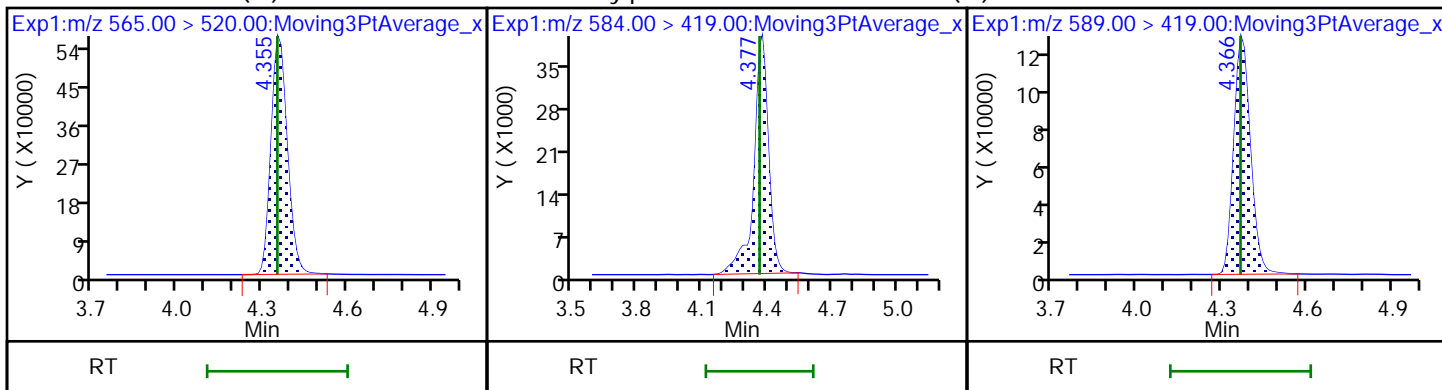
31 Perfluoroundecanoic acid (M)

31 Perfluoroundecanoic acid



D 30 13C2 PFUnA (M)

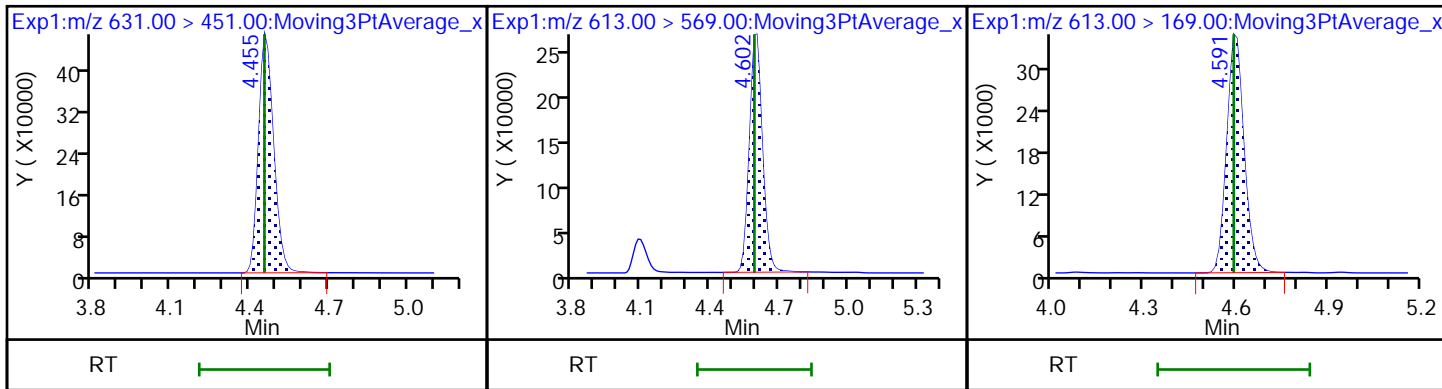
33 N-ethylperfluorooctanesulfonamid (M) 32 d5-NEtFOSAA



66 11-Chloroeicosafuoro-3-oxaundec

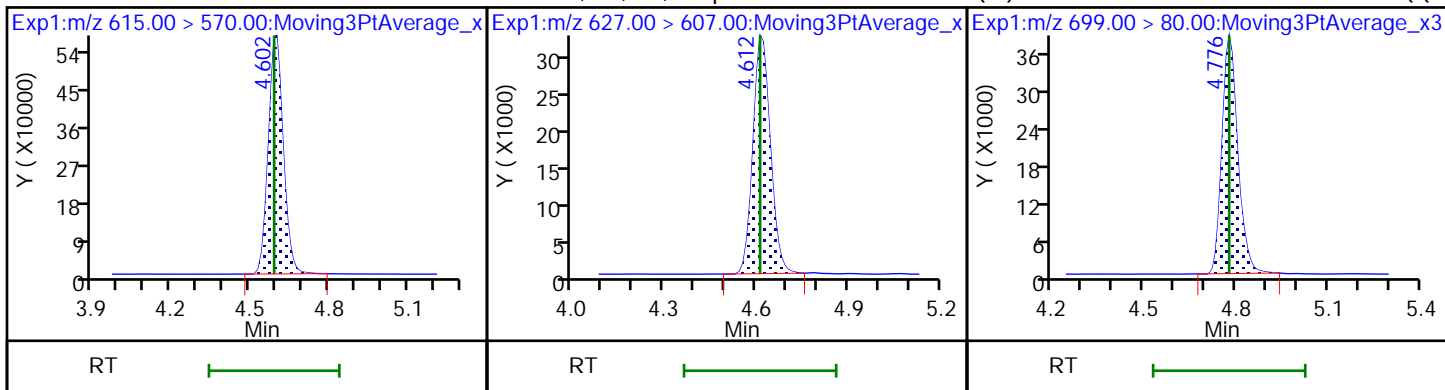
37 Perfluorododecanoic acid

37 Perfluorododecanoic acid



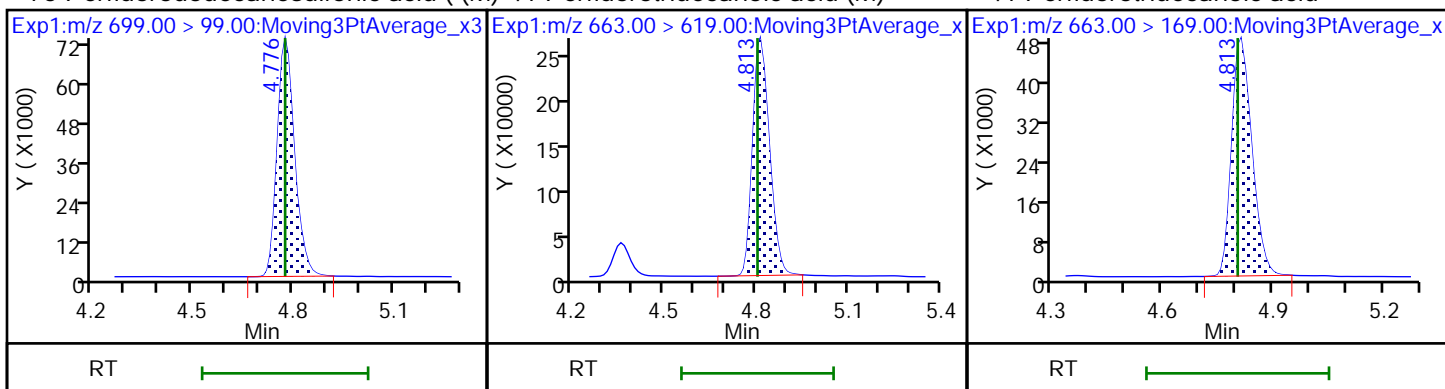
D 36 13C2 PFDaA

74 1H,1H,2H,2H-perfluorododecanesul (M) Perfluorododecanesulfonic acid ((M)



75 Perfluorododecanesulfonic acid ((M) 41 Perfluorotridecanoic acid (M)

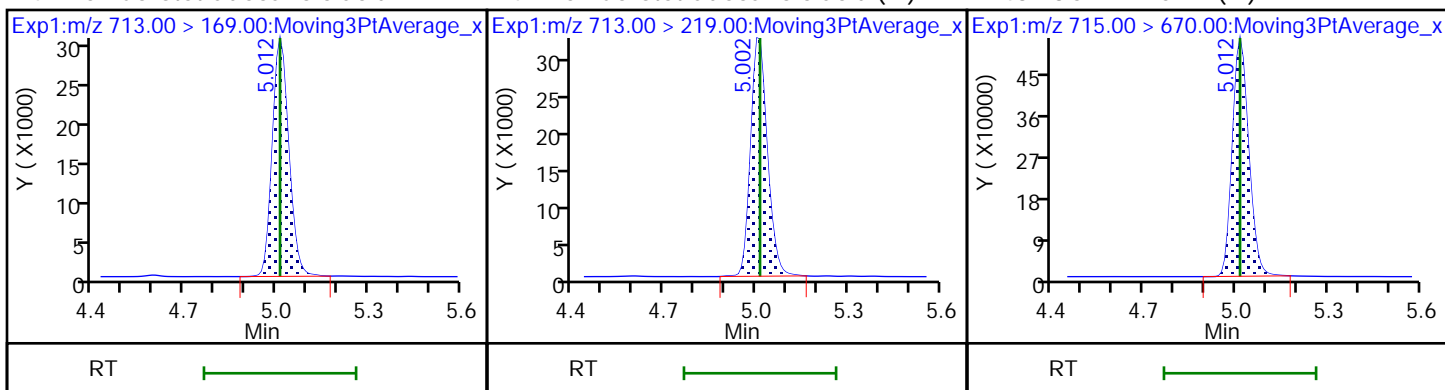
41 Perfluorotridecanoic acid



42 Perfluorotetradecanoic acid

42 Perfluorotetradecanoic acid (M)

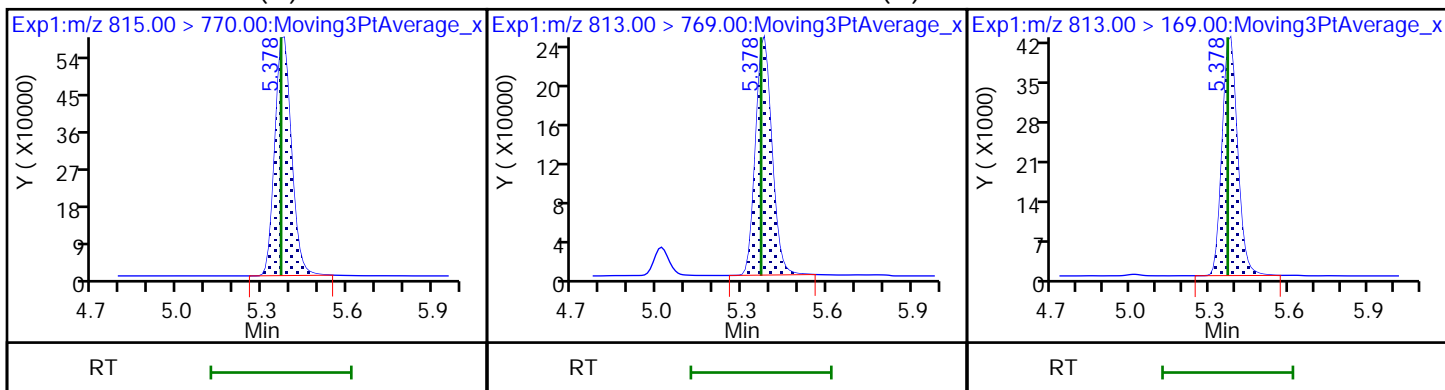
D 43 13C2 PFTeDA (M)



D 44 13C2 PFHxDA (M)

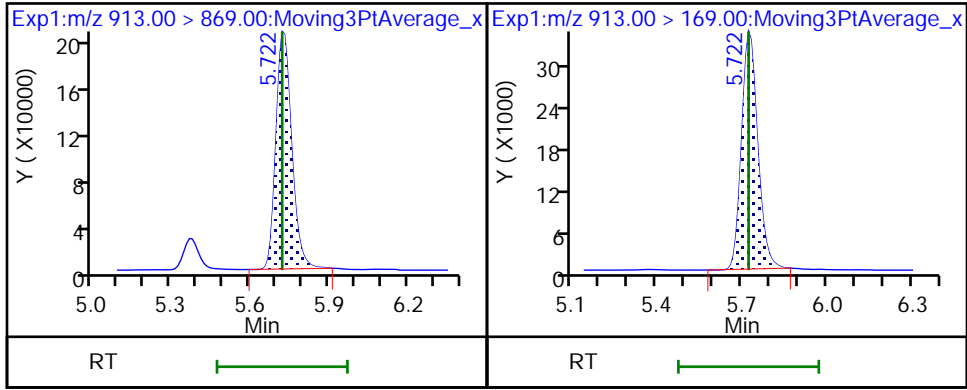
45 Perfluorohexadecanoic acid (M)

45 Perfluorohexadecanoic acid



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

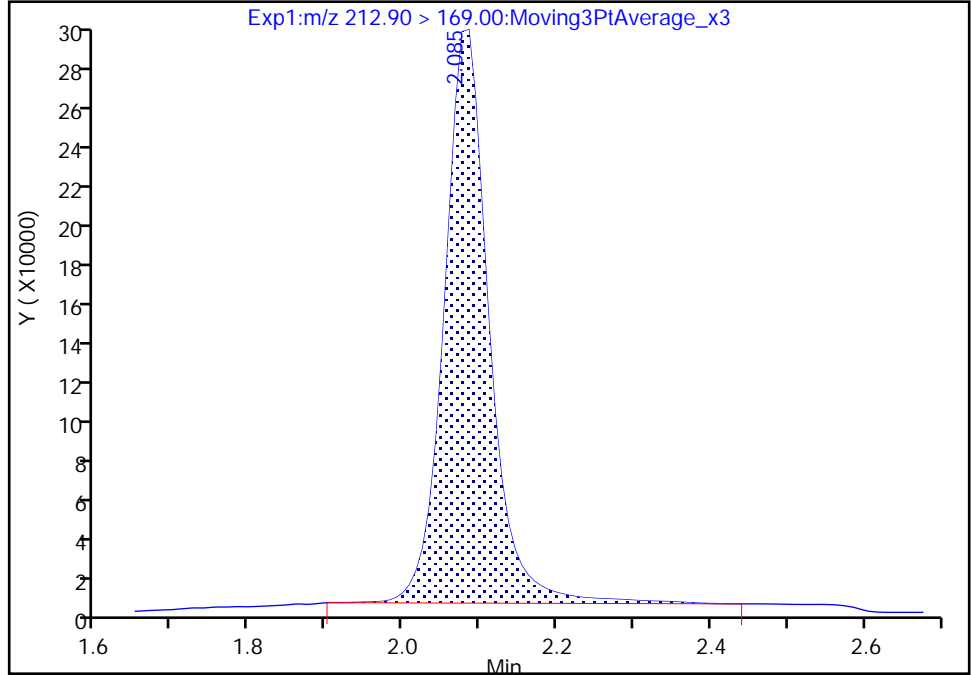
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Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

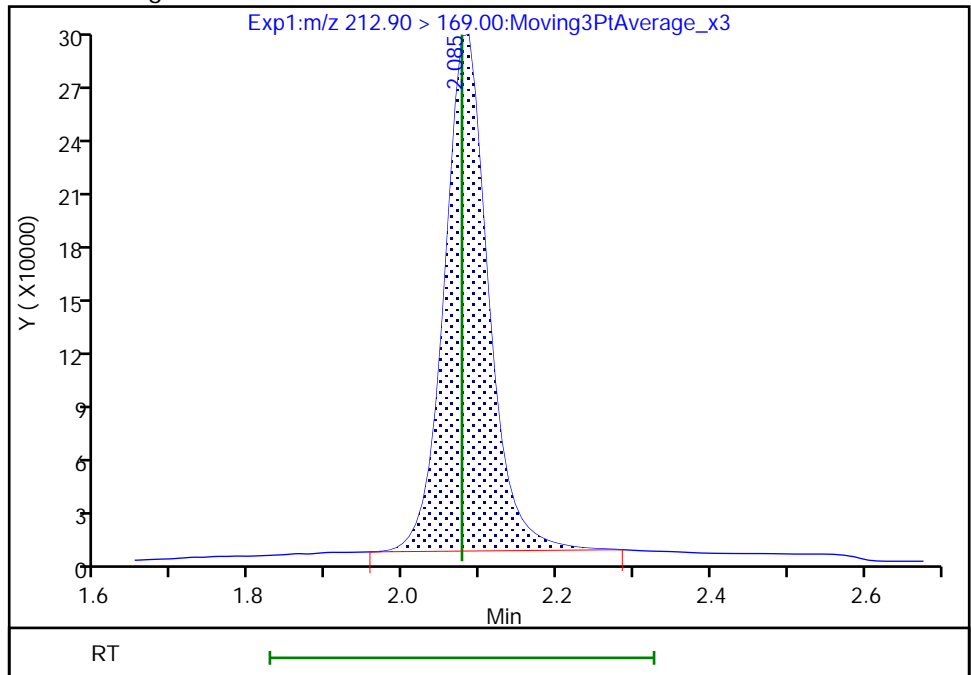
RT: 2.09
Area: 1168803
Amount: 0.489521
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 1137760
Amount: 0.522928
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:58:48
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

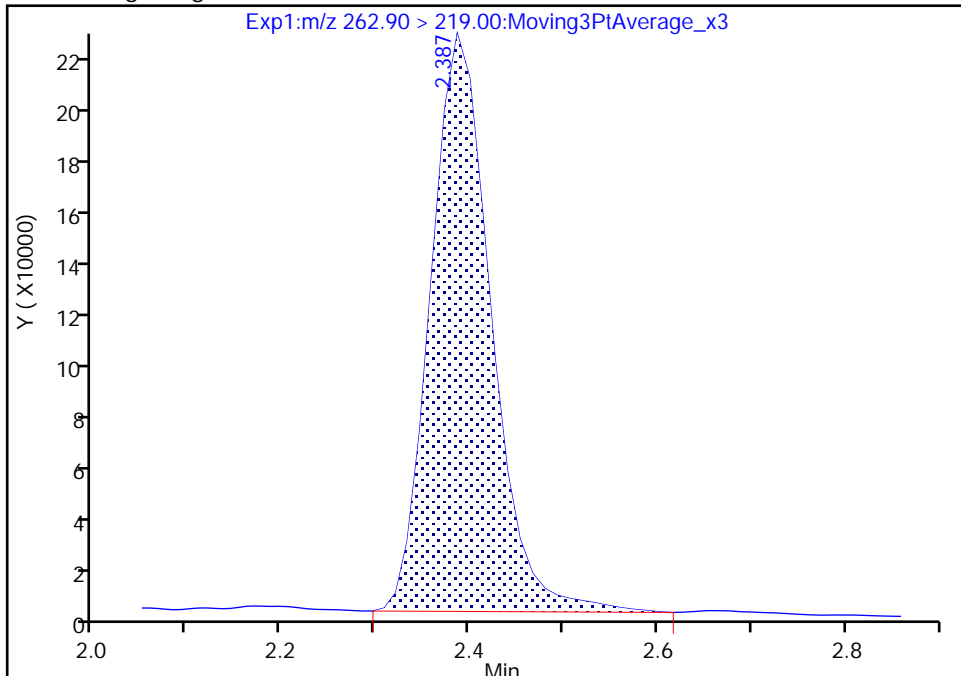
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

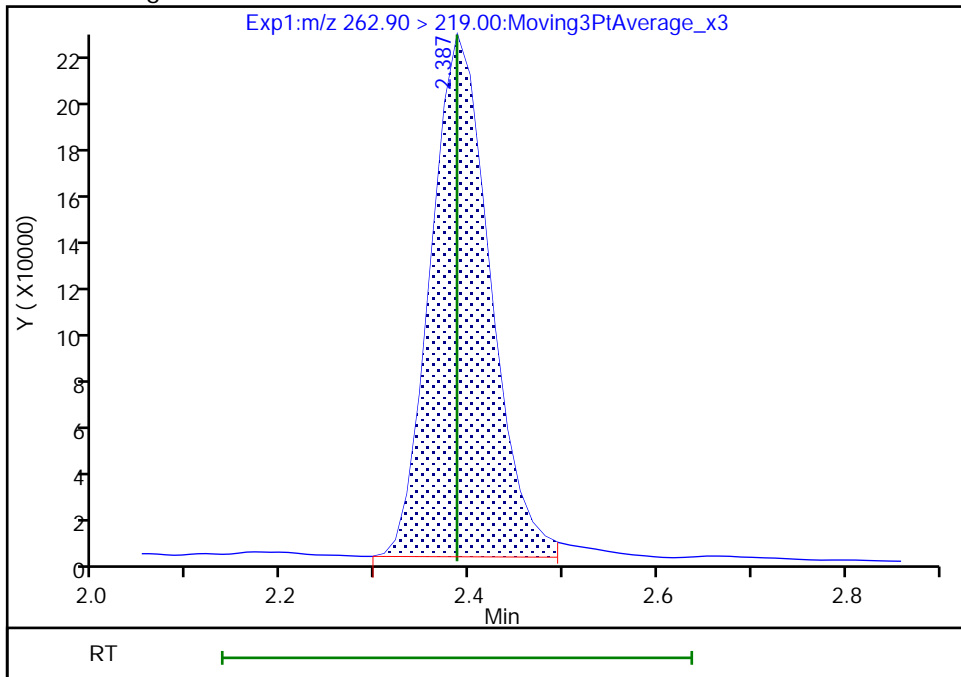
RT: 2.39
Area: 946379
Amount: 0.487855
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 929016
Amount: 0.519176
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:58:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

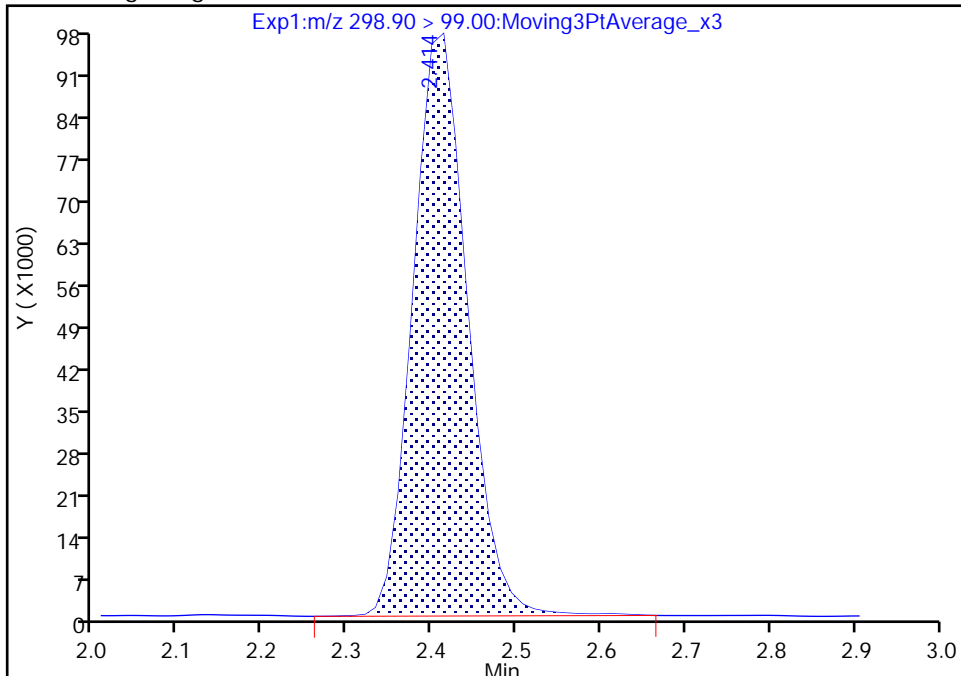
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

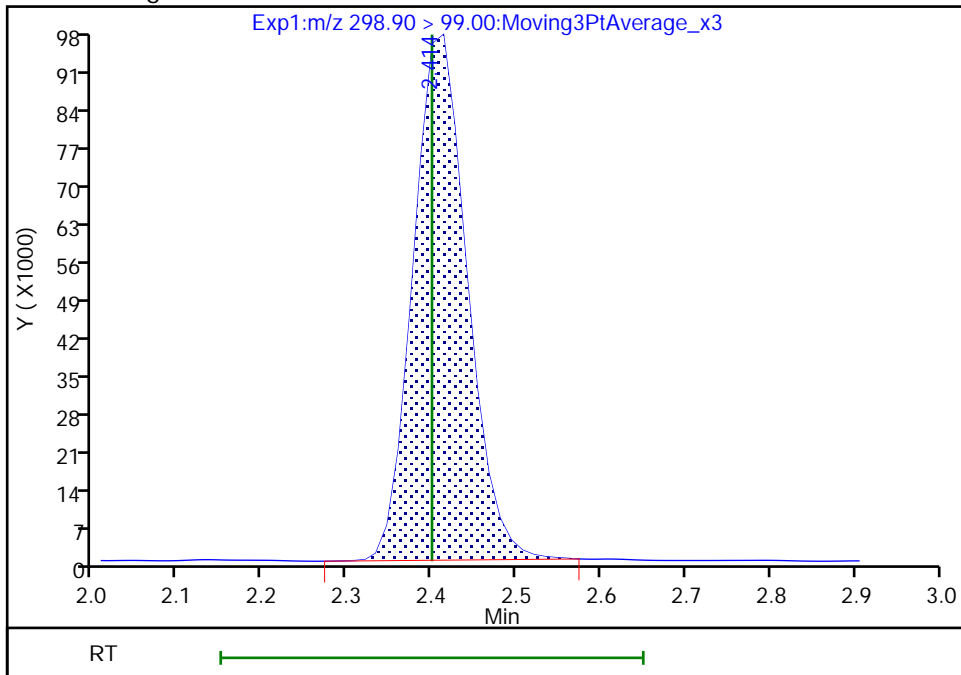
RT: 2.41
Area: 434508
Amount: 0.422187
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 430748
Amount: 0.448102
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:59:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

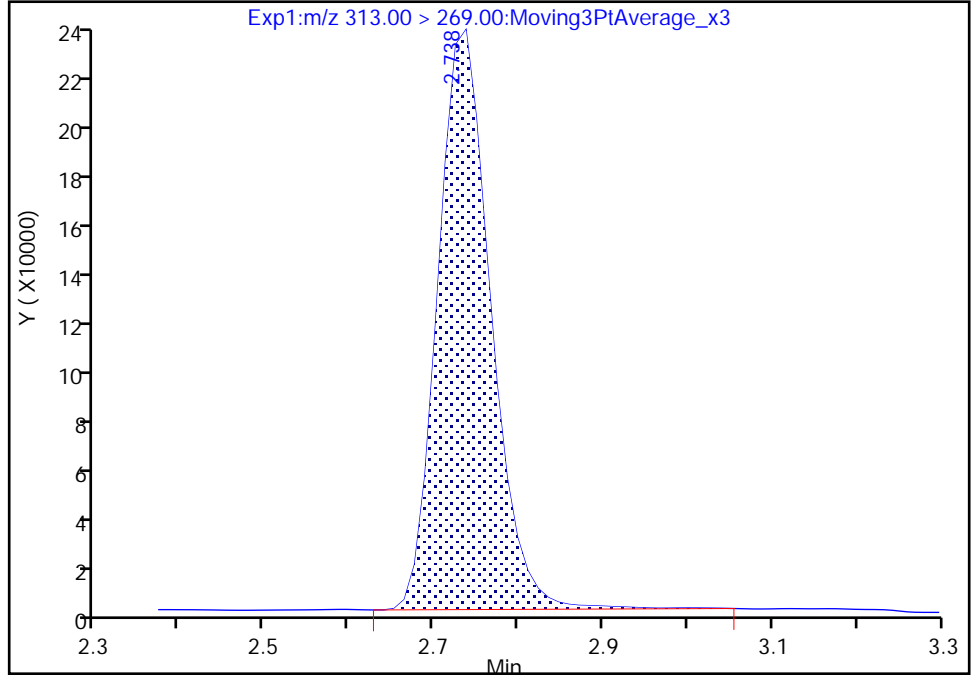
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

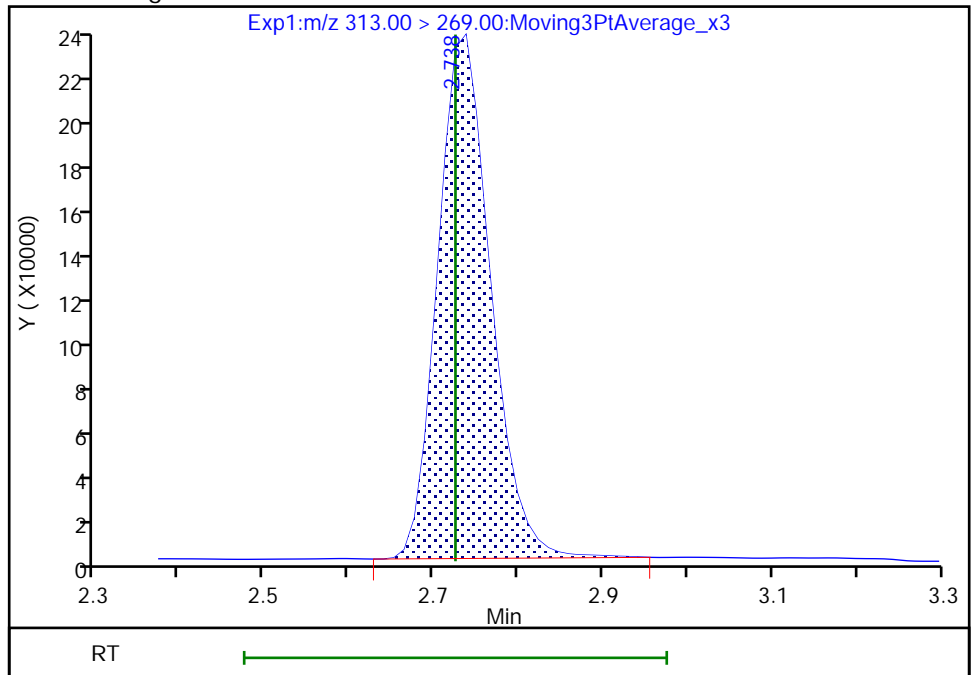
RT: 2.74
Area: 996443
Amount: 0.493667
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 992048
Amount: 0.522700
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:59:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

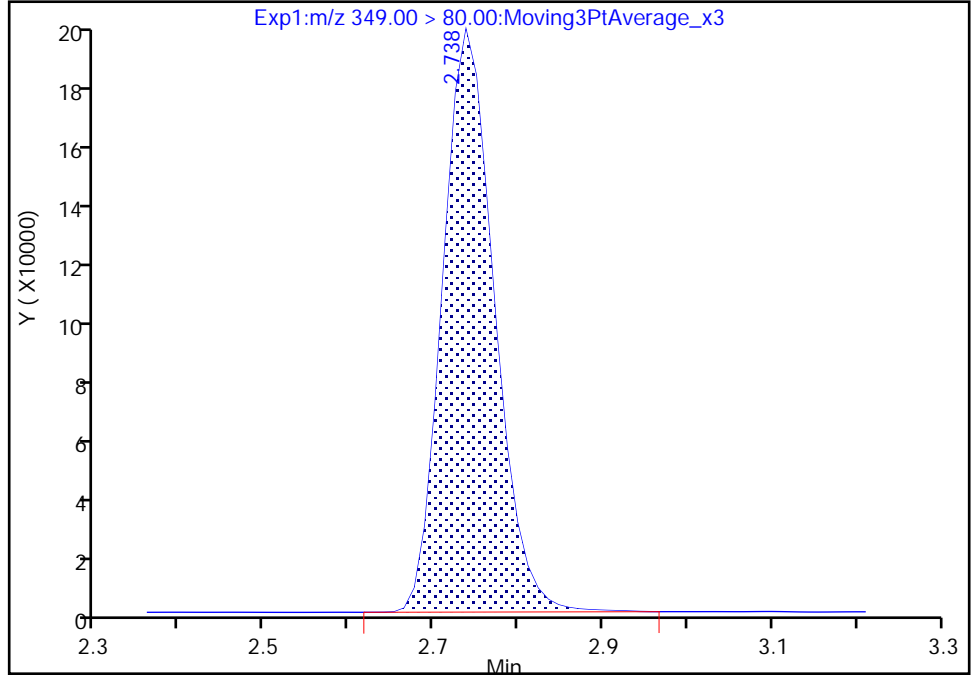
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

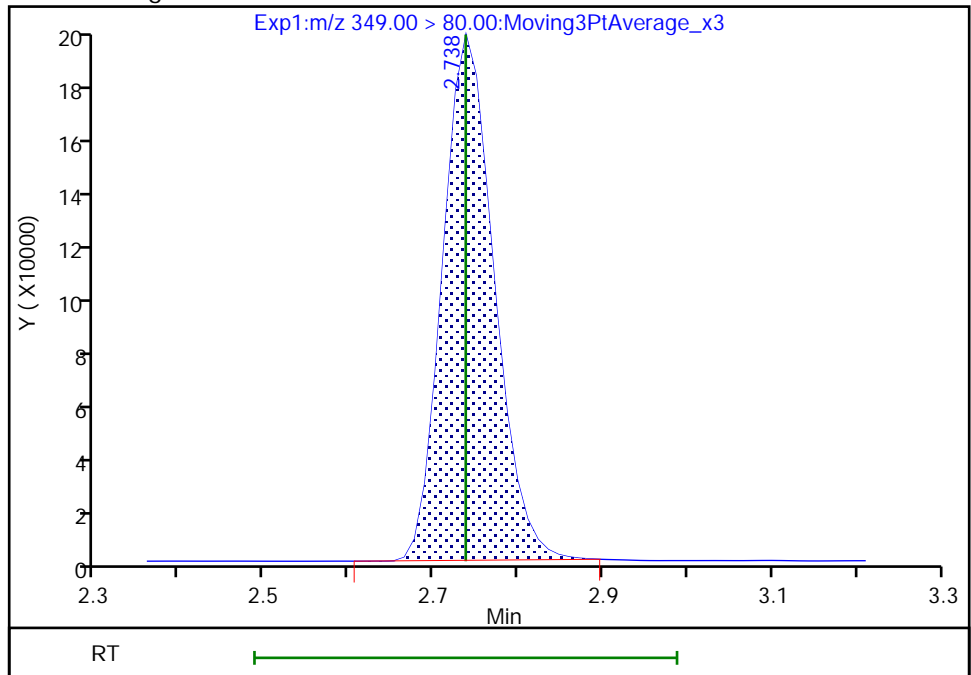
RT: 2.74
Area: 843222
Amount: 0.480975
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 837304
Amount: 0.502827
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:59:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

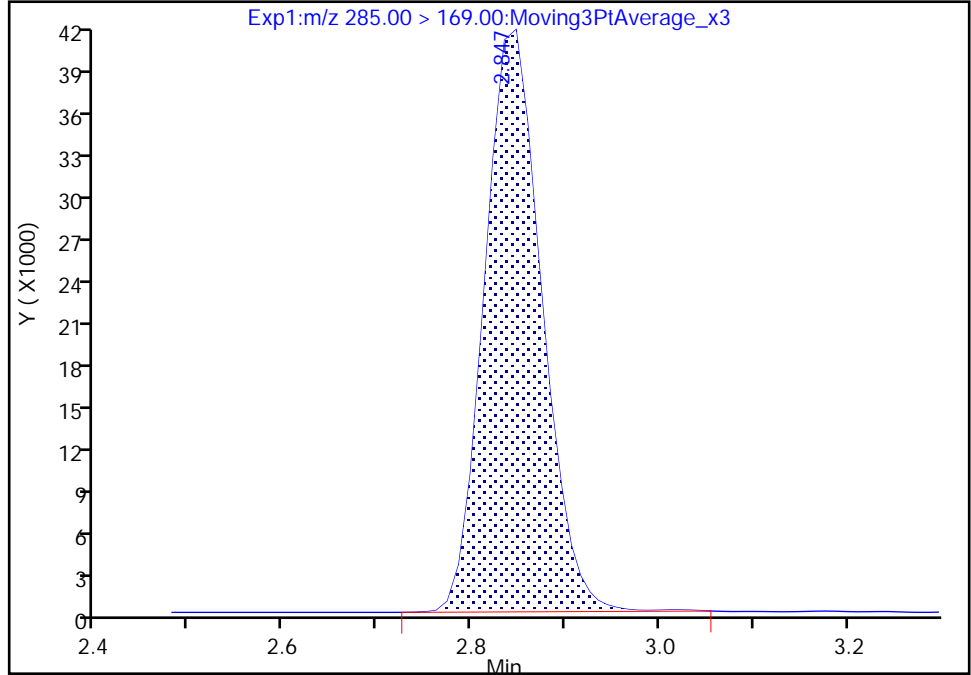
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

67 Perfluoro(2-propoxypropanoic) ac, CAS: 13252-13-6

Signal: 1

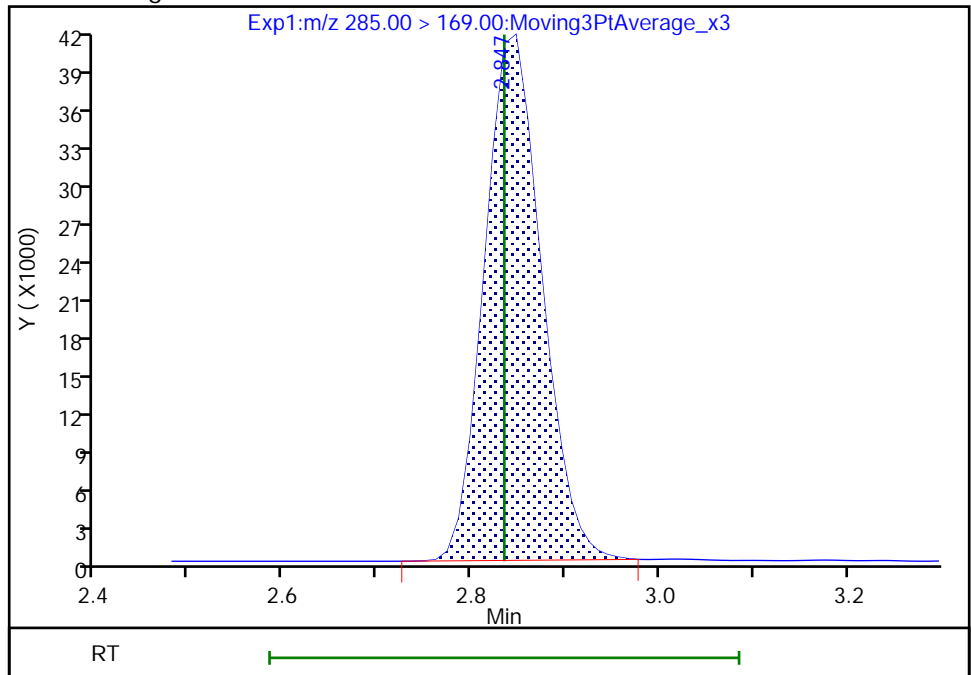
RT: 2.85
Area: 175711
Amount: 0.510805
Amount Units: ng/ml

Processing Integration Results



RT: 2.85
Area: 174879
Amount: 0.546316
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:00:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

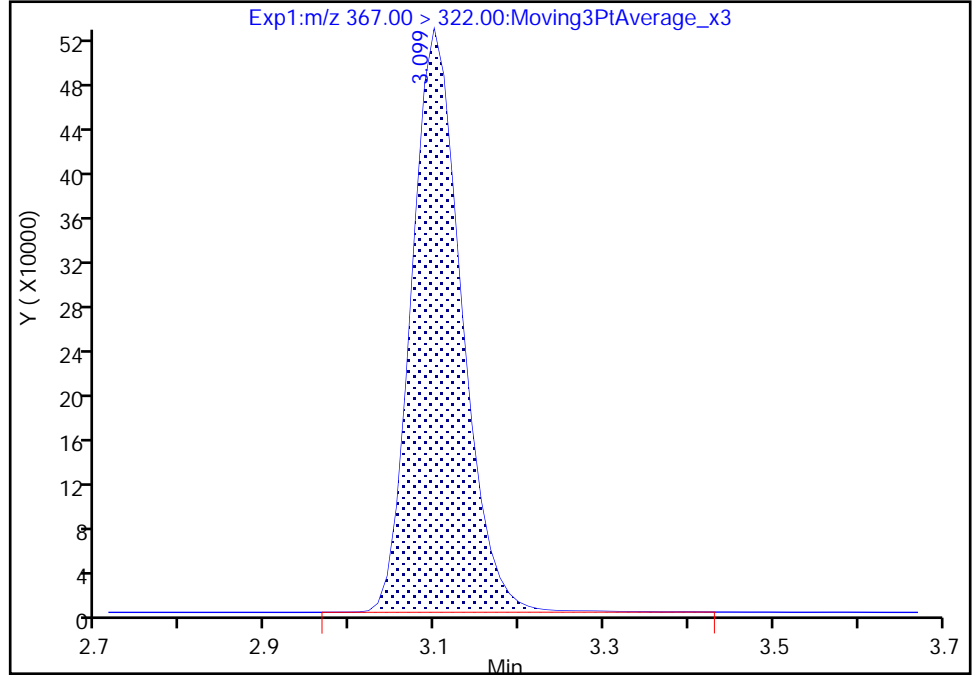
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 9 13C4 PFHpA, CAS: STL01892
Signal: 1

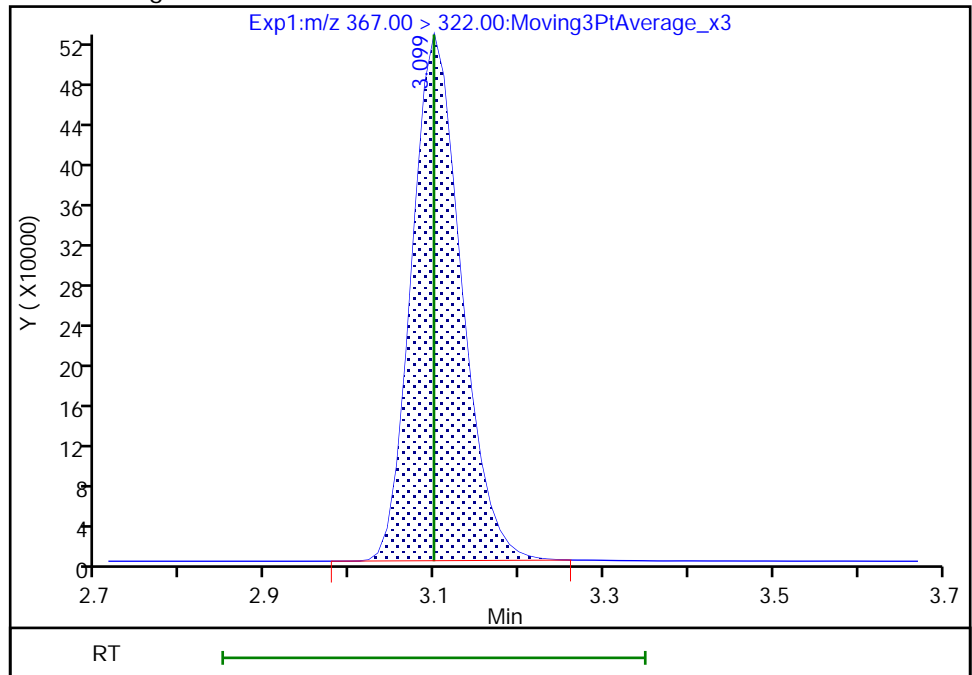
RT: 3.10
Area: 2162805
Amount: 1.248507
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 2150118
Amount: 1.220333
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:00:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

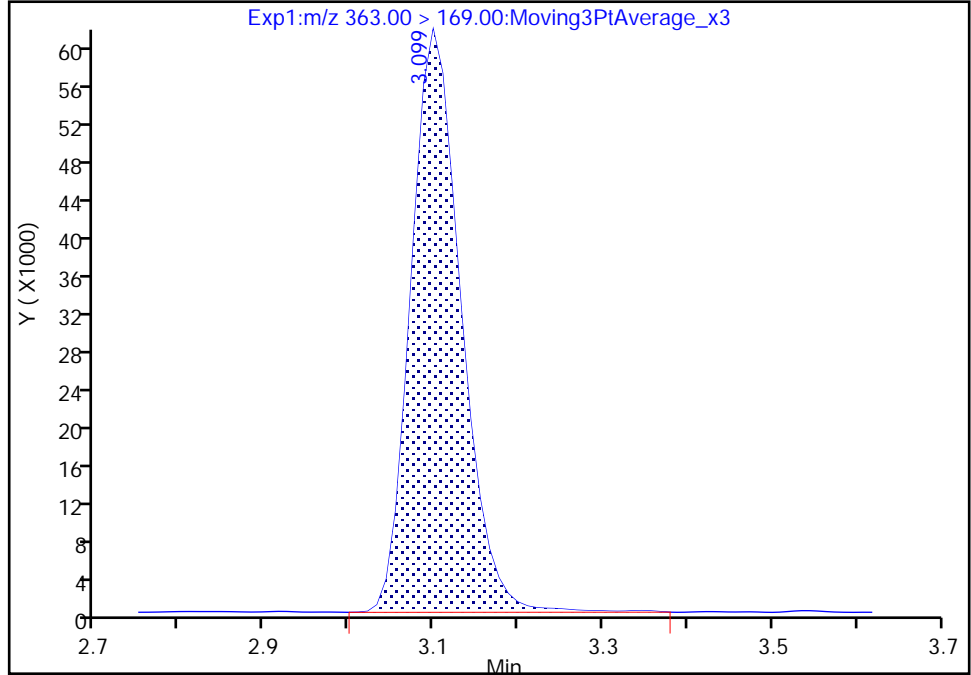
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

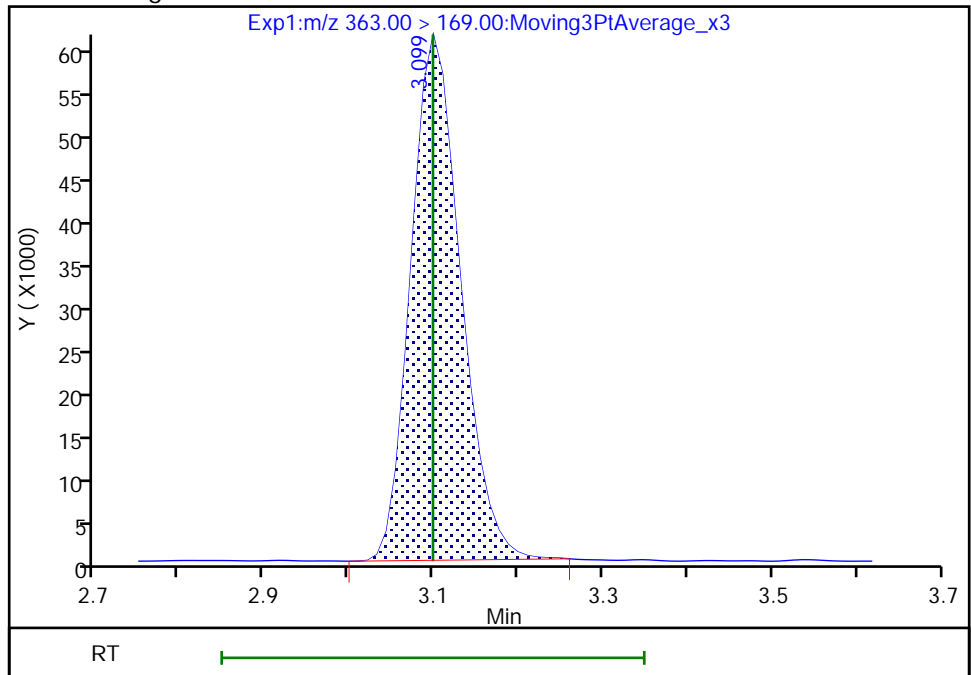
RT: 3.10
Area: 254758
Amount: 0.495820
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 251672
Amount: 0.535731
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:00:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

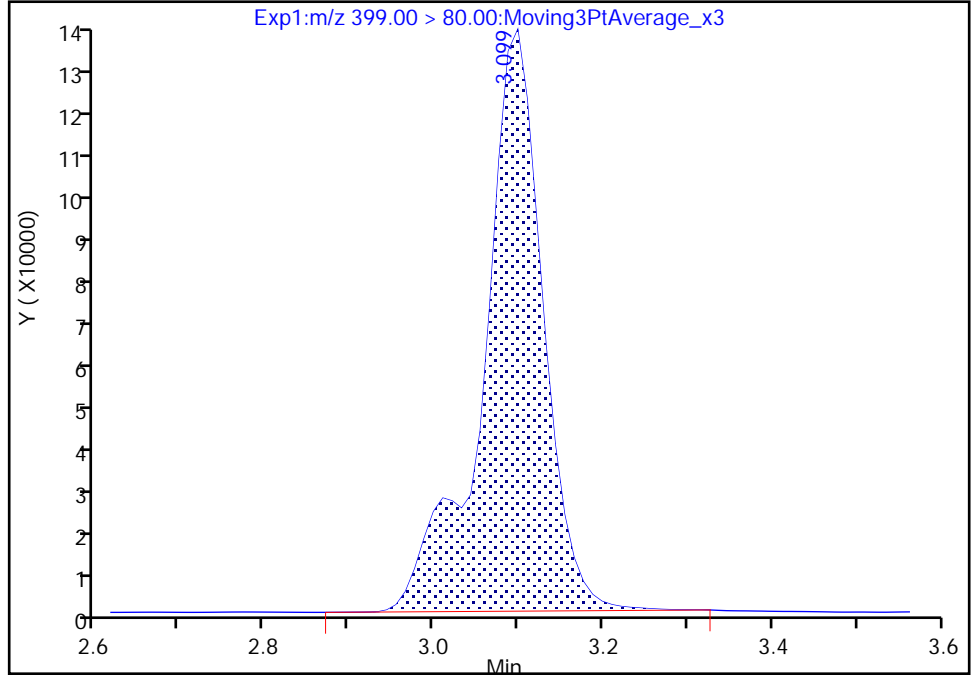
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

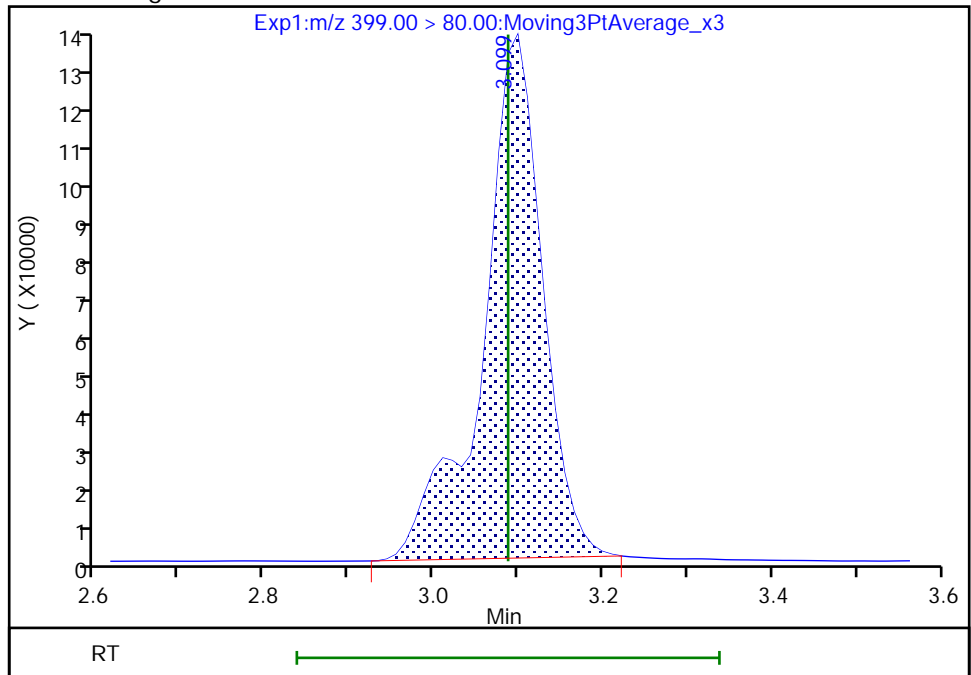
RT: 3.10
Area: 690915
Amount: 0.467335
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 680406
Amount: 0.483465
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:00:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

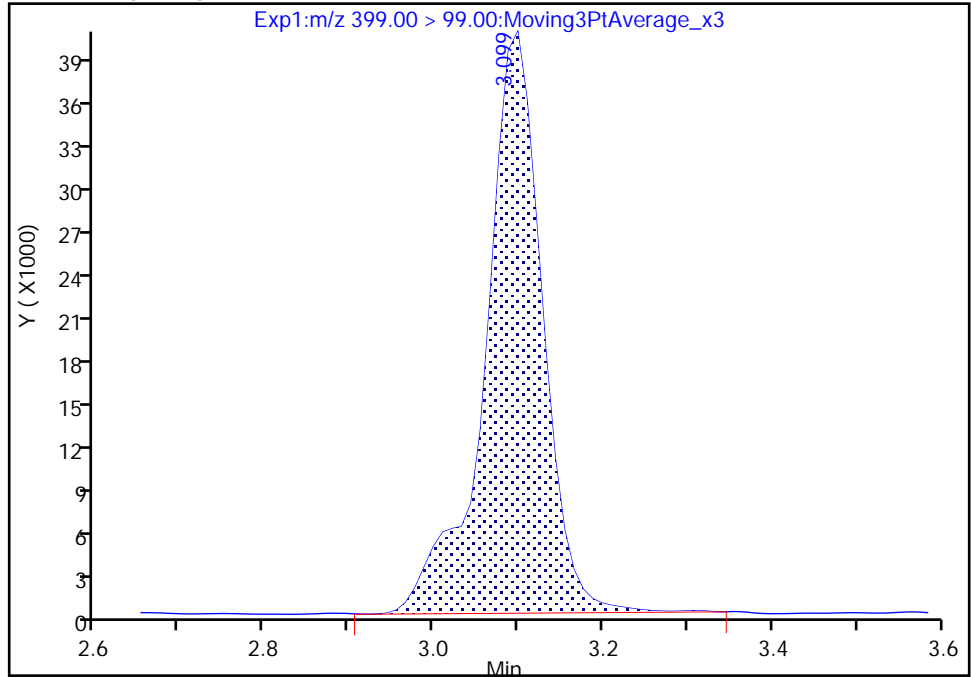
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

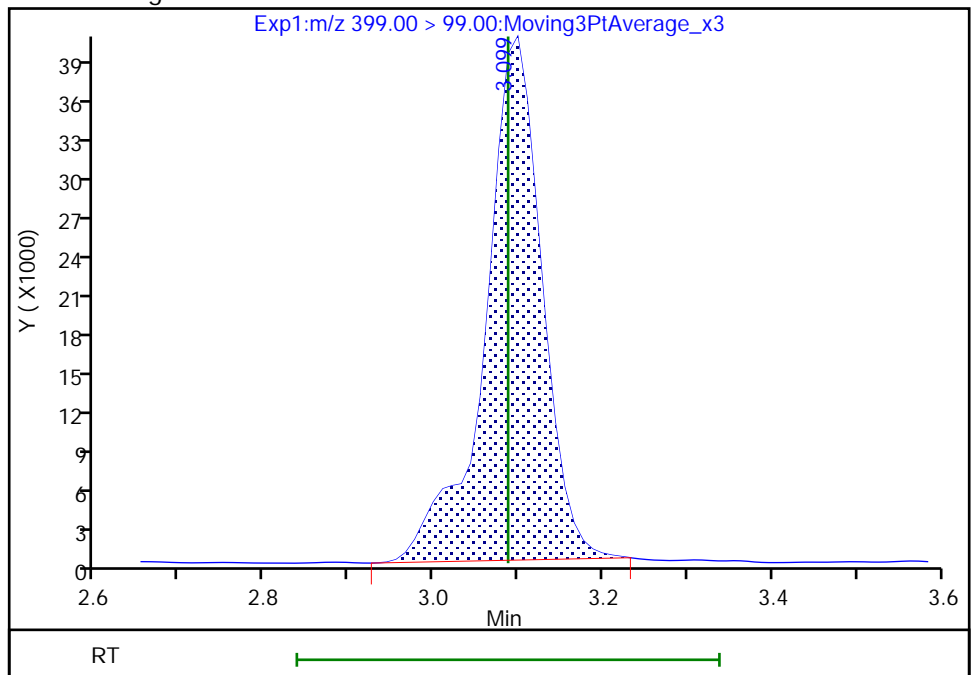
RT: 3.10
Area: 188640
Amount: 0.467335
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 185398
Amount: 0.483465
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:00:12

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

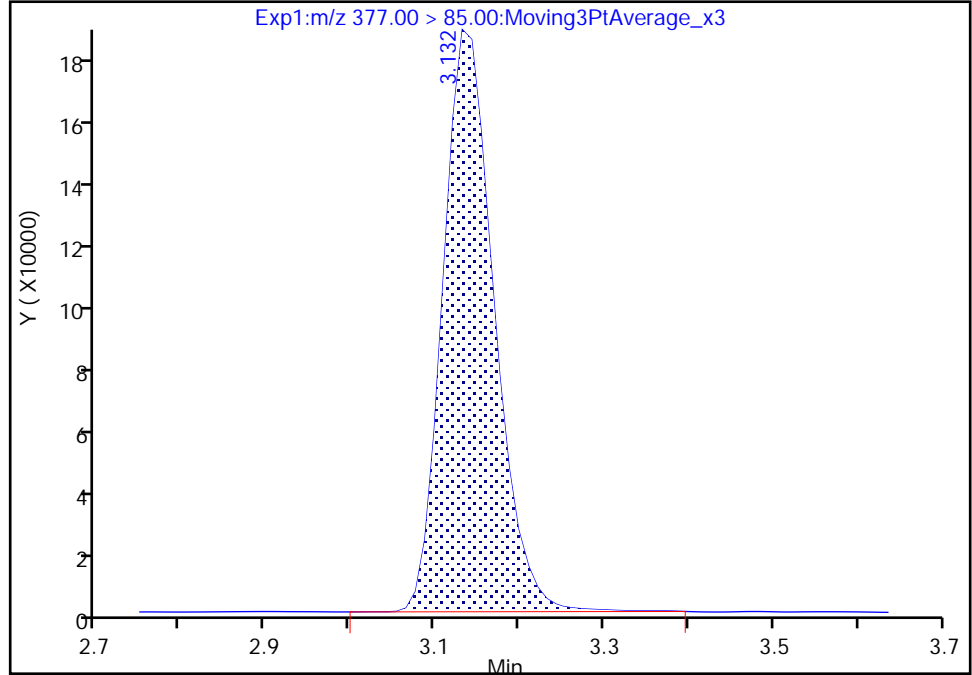
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 2

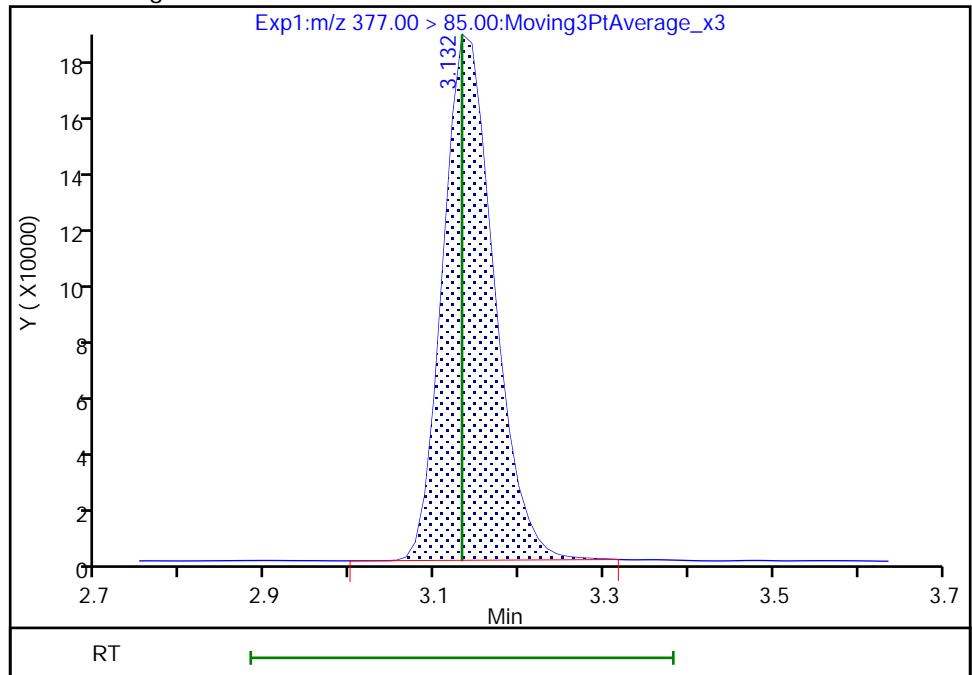
RT: 3.13
Area: 764336
Amount: 0.467942
Amount Units: ng/ml

Processing Integration Results



RT: 3.13
Area: 760123
Amount: 0.505022
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:00:27
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

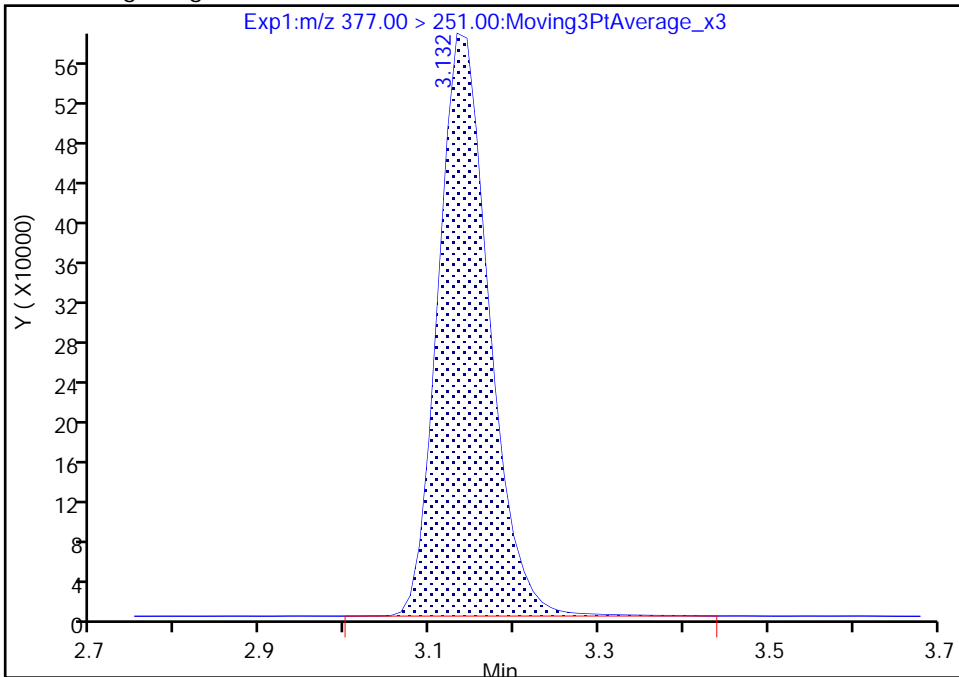
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 1

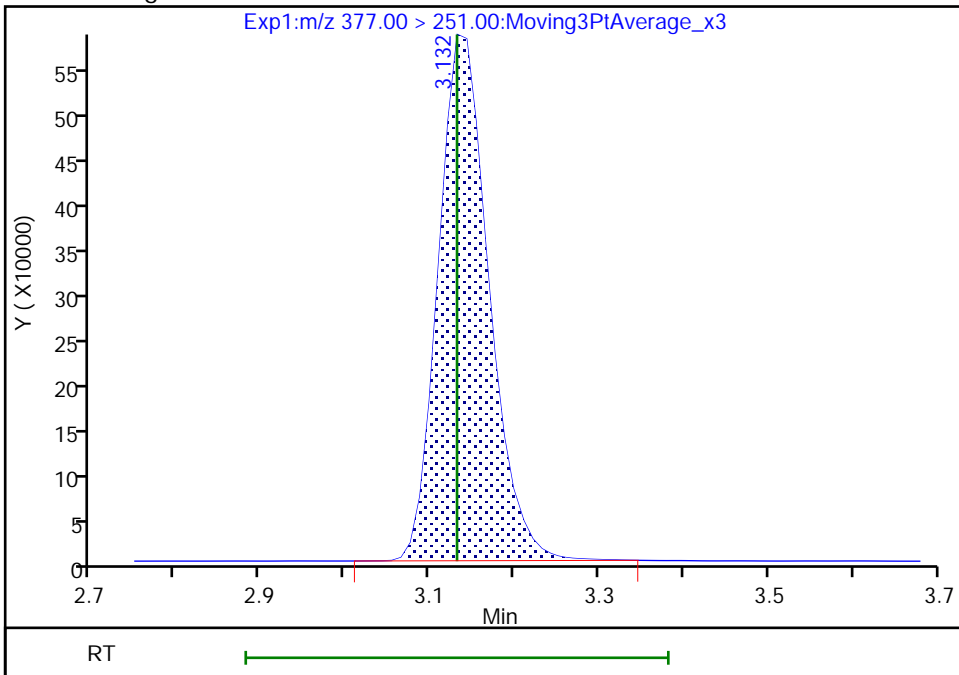
RT: 3.13
Area: 2417717
Amount: 0.467942
Amount Units: ng/ml

Processing Integration Results



RT: 3.13
Area: 2408962
Amount: 0.505022
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:00:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

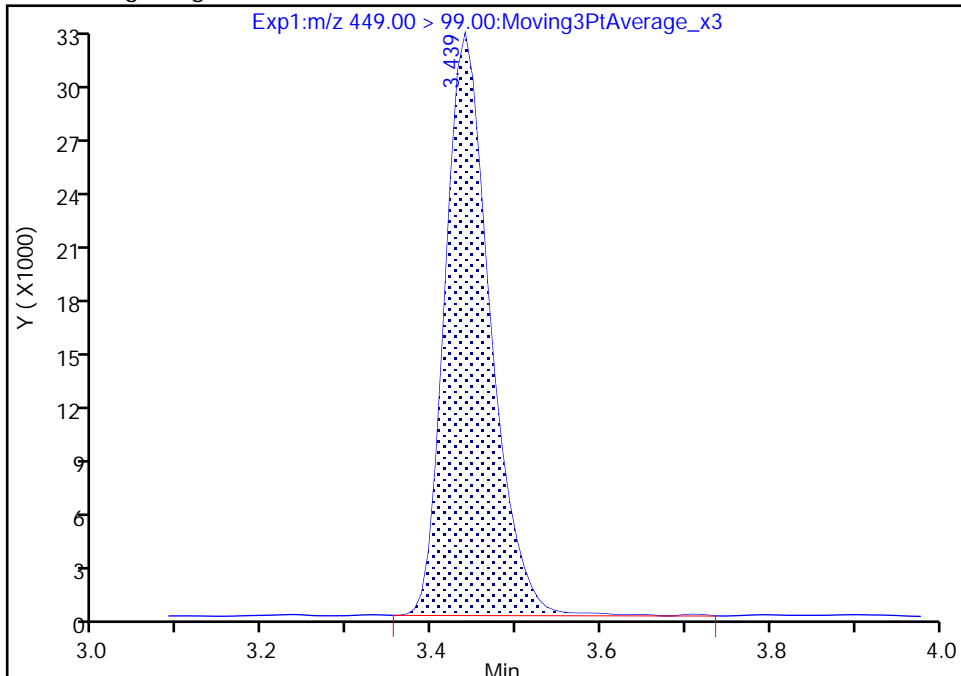
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

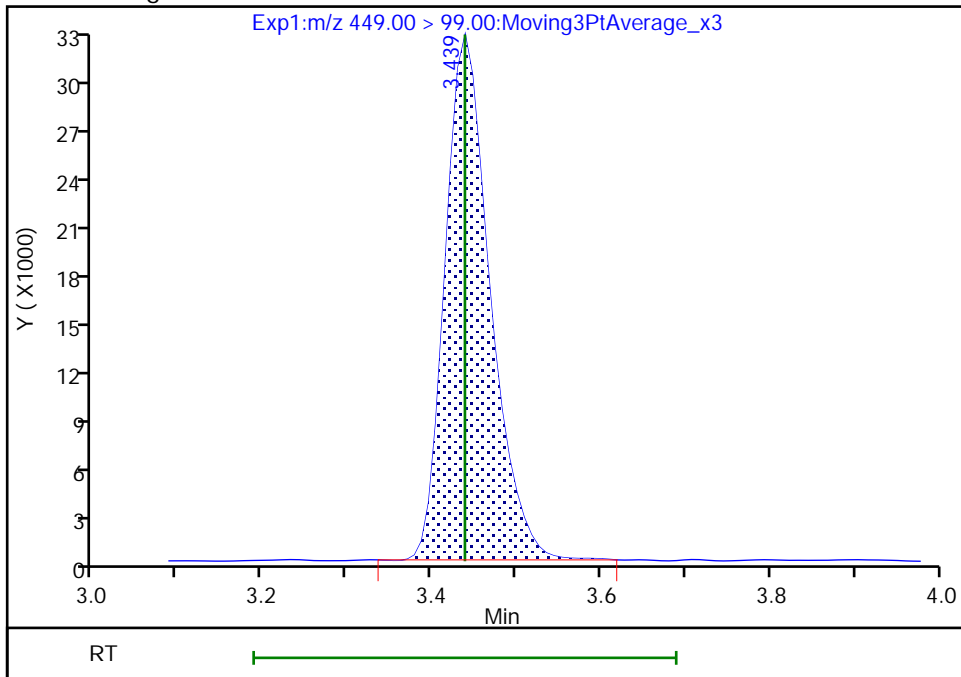
RT: 3.44
Area: 121485
Amount: 0.478403
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 120467
Amount: 0.509588
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:00:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

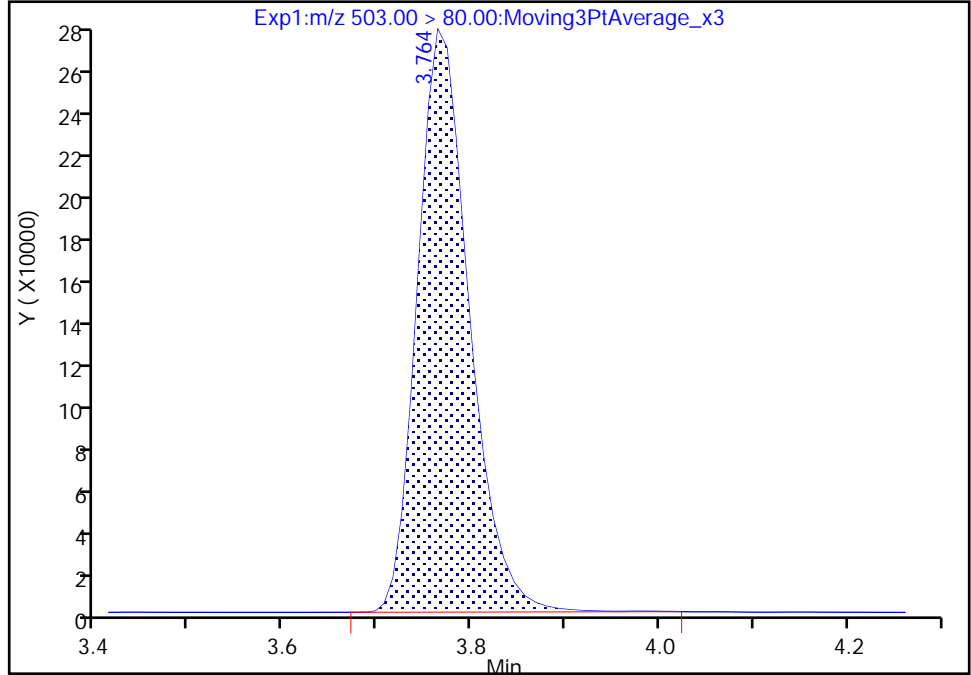
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 18 13C4 PFOS, CAS: STL00991
Signal: 1

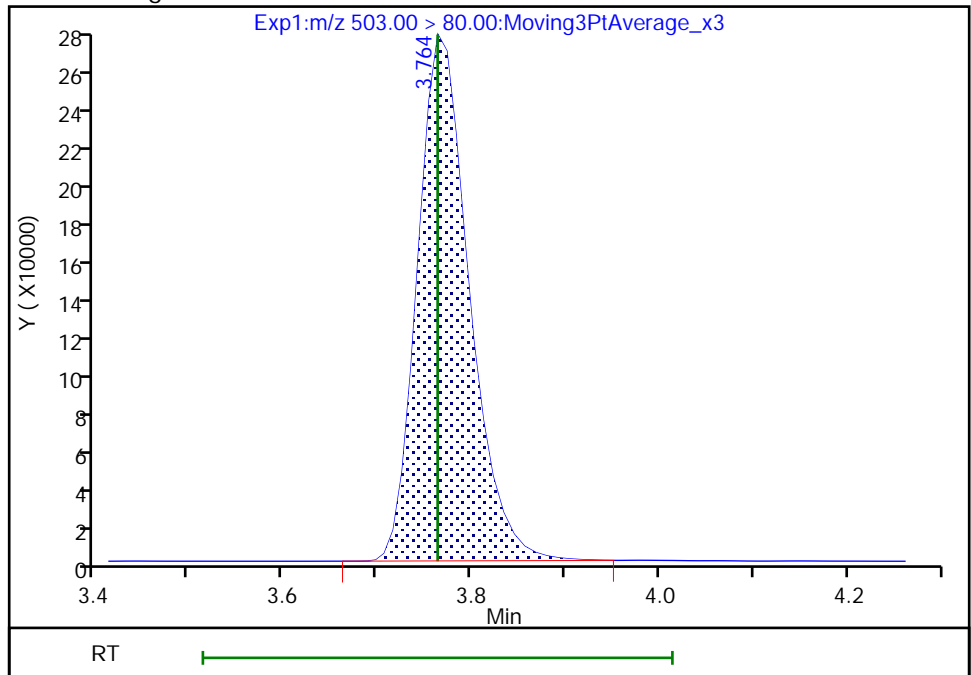
RT: 3.76
Area: 1037255
Amount: 1.197303
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 1035061
Amount: 1.178802
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:00:48
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

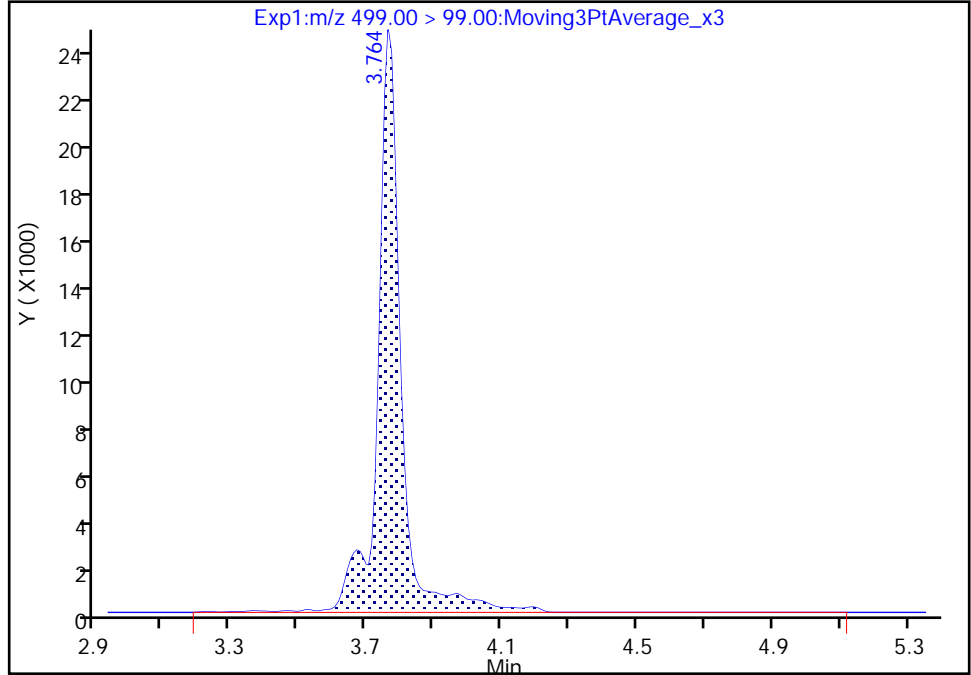
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

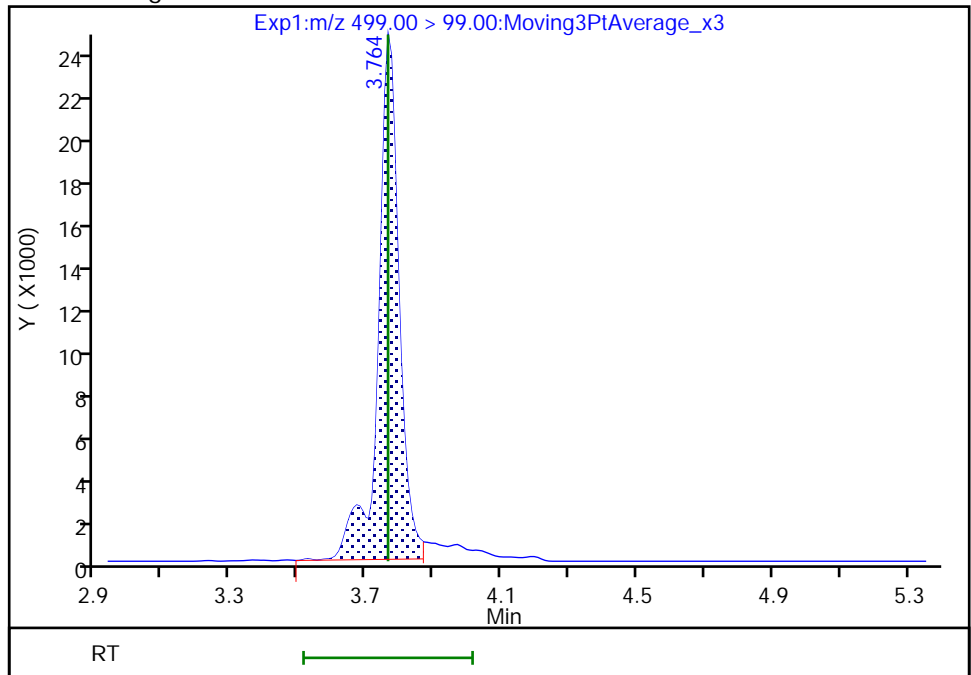
RT: 3.76
Area: 115041
Amount: 0.450182
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 103252
Amount: 0.447970
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:01:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

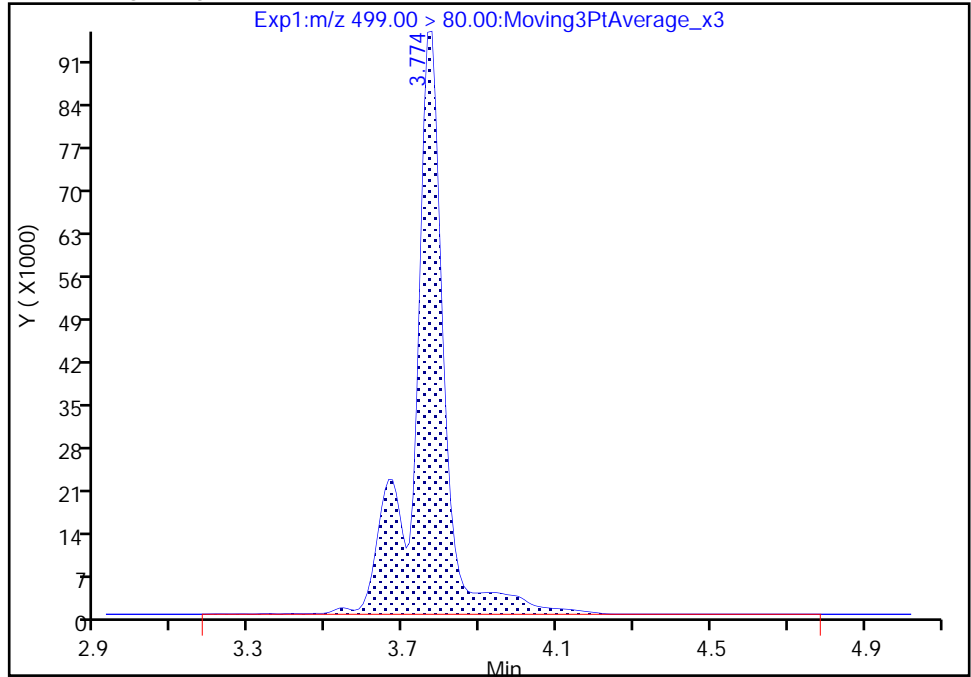
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

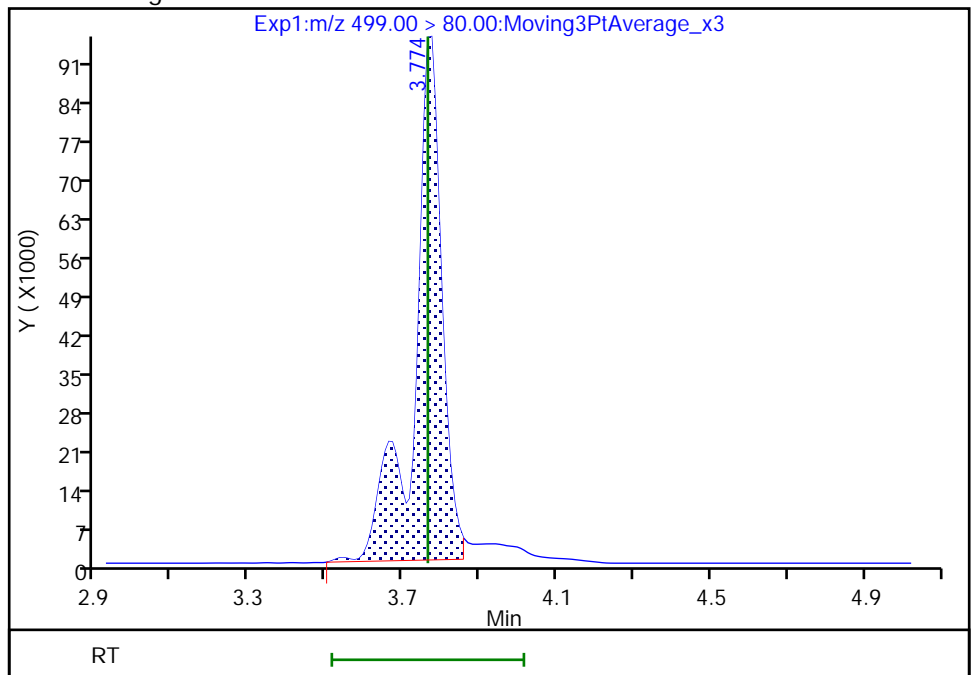
RT: 3.77
Area: 524529
Amount: 0.450182
Amount Units: ng/ml

Processing Integration Results



RT: 3.77
Area: 471879
Amount: 0.447970
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:01:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

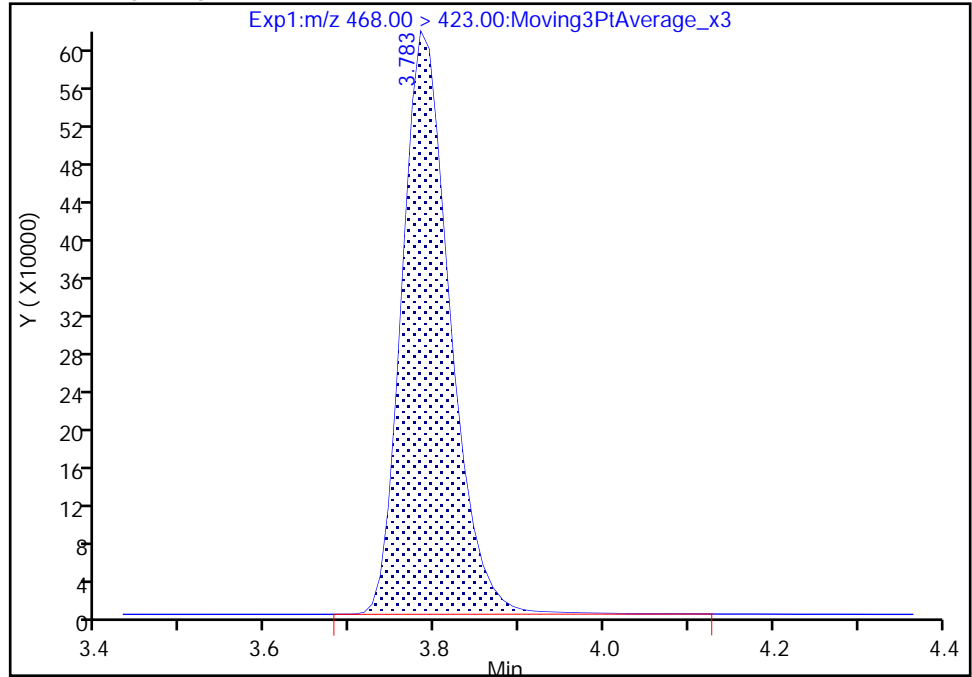
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 19 13C5 PFNA, CAS: STL00995
Signal: 1

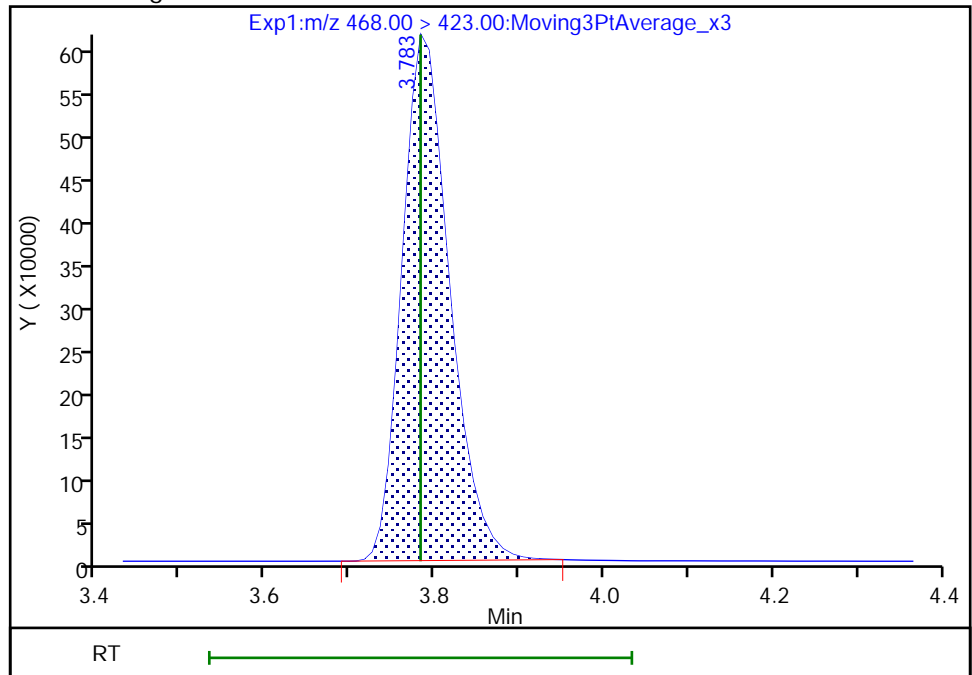
RT: 3.78
Area: 2398141
Amount: 1.248889
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 2379680
Amount: 1.236174
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:01:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

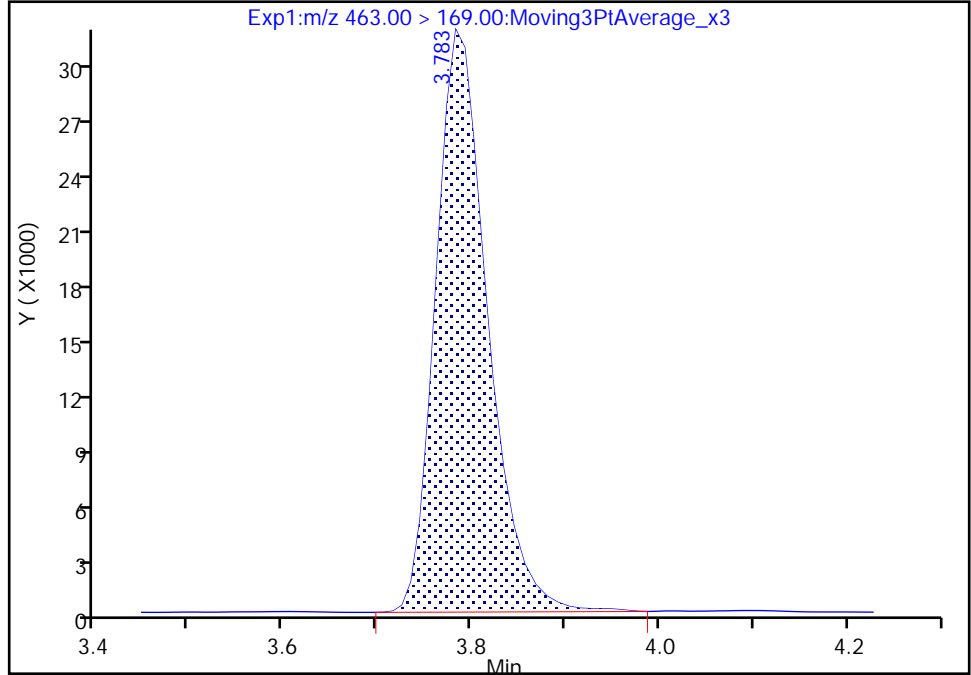
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

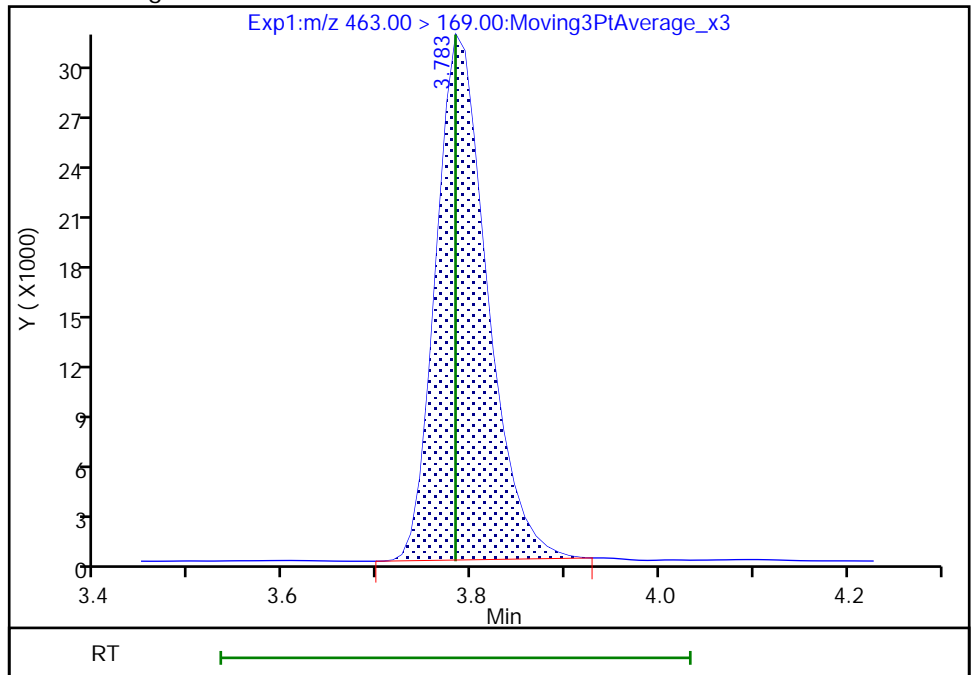
RT: 3.78
Area: 120127
Amount: 0.507644
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 118713
Amount: 0.531934
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:01:20
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

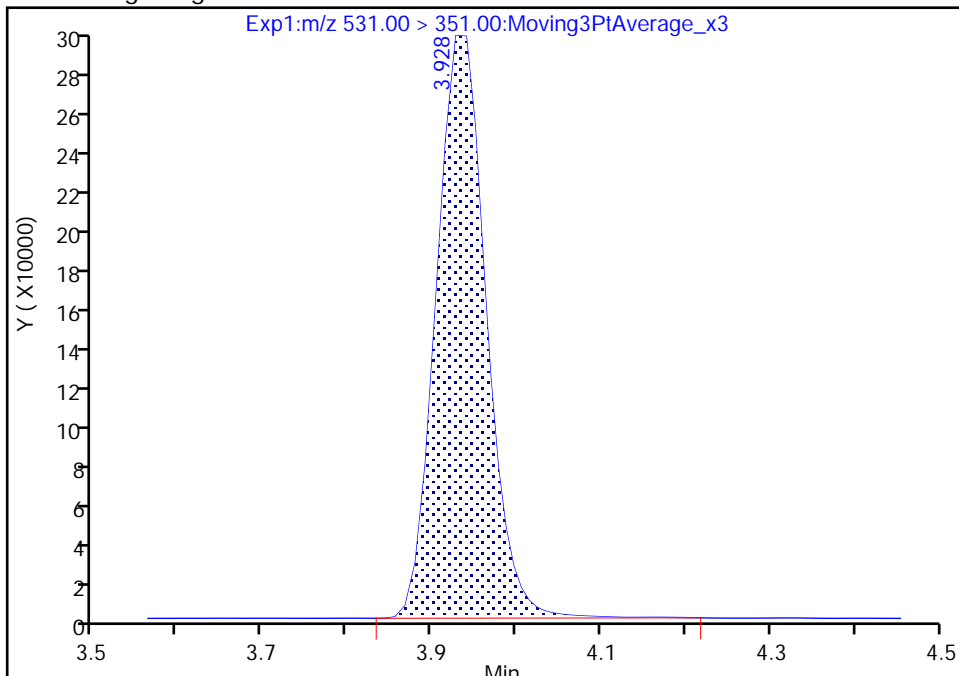
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

69 9-Chlorohexadecafluoro-3-oxanona, CAS: 756426-58-1

Signal: 1

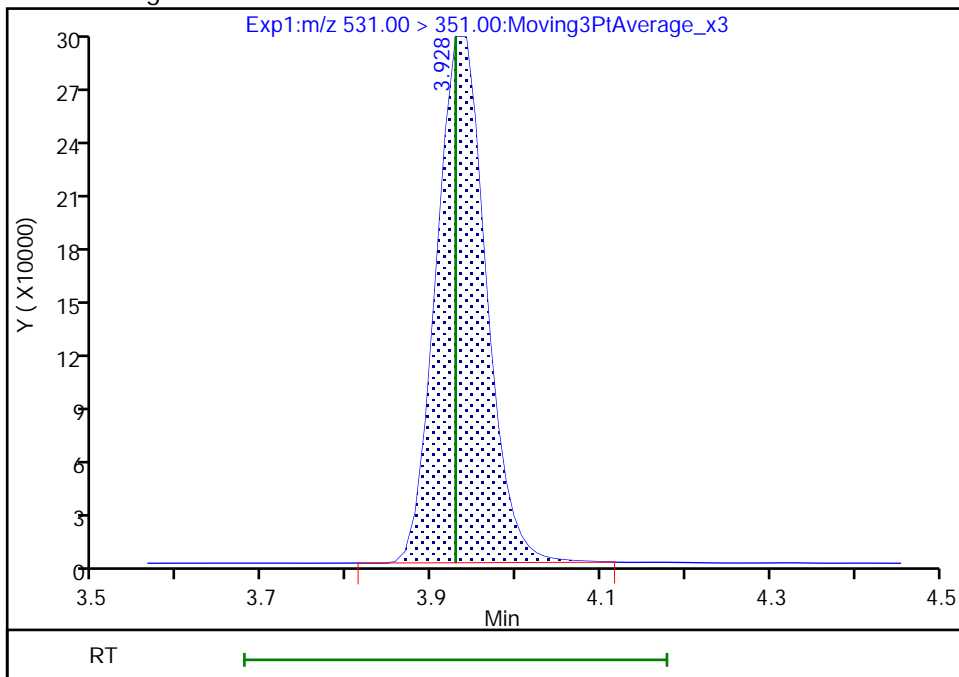
RT: 3.93
Area: 1196218
Amount: 0.468080
Amount Units: ng/ml

Processing Integration Results



RT: 3.93
Area: 1190983
Amount: 0.492631
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:01:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

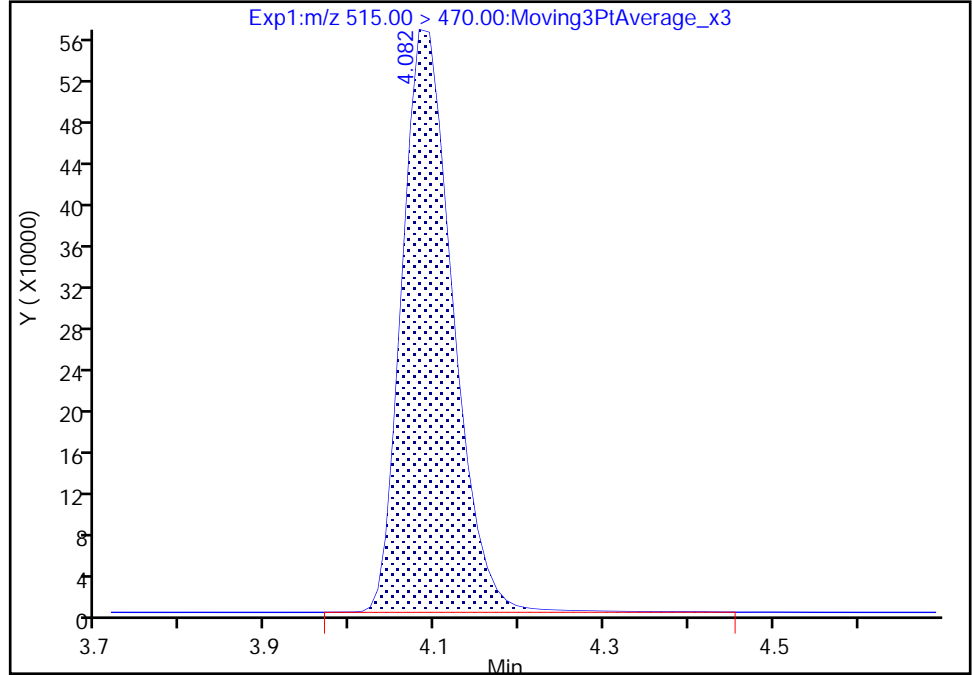
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 23 13C2 PFDA, CAS: STL00996
Signal: 1

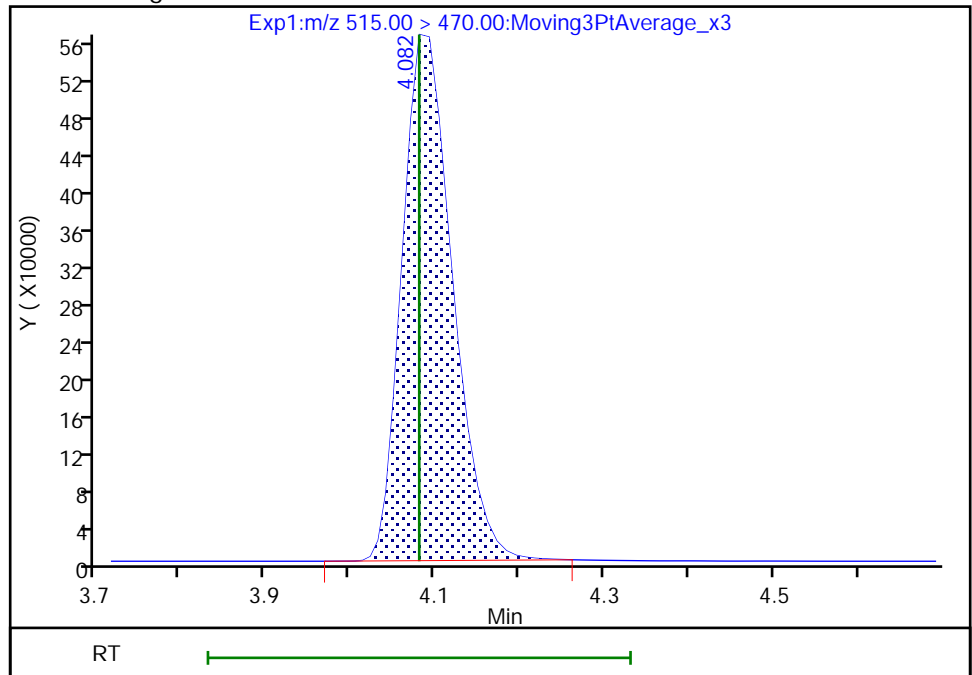
RT: 4.08
Area: 2353187
Amount: 1.223652
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 2334094
Amount: 1.189856
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:01:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

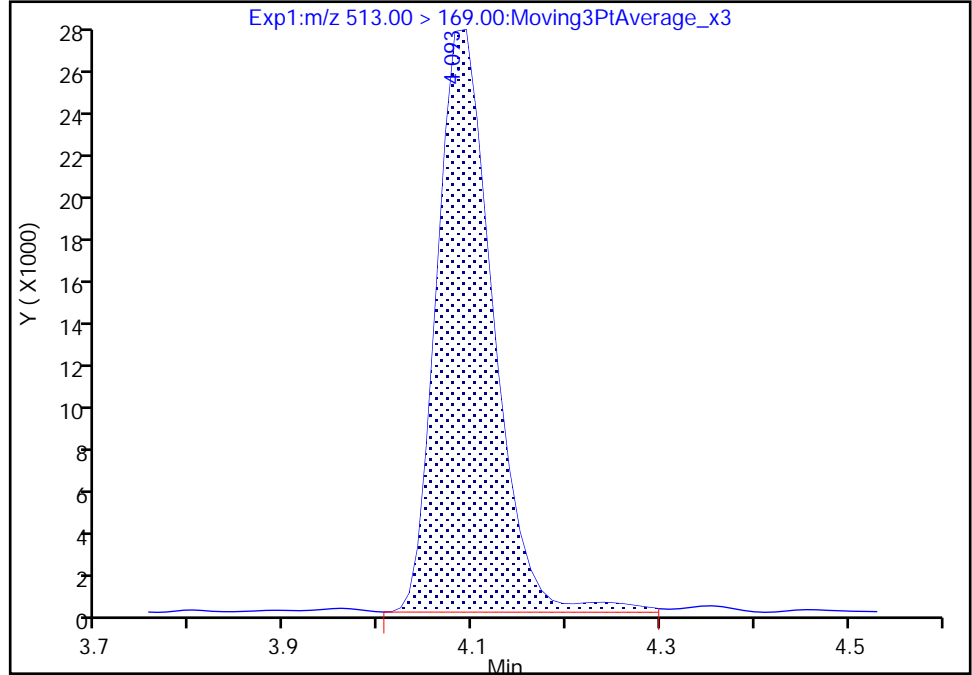
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

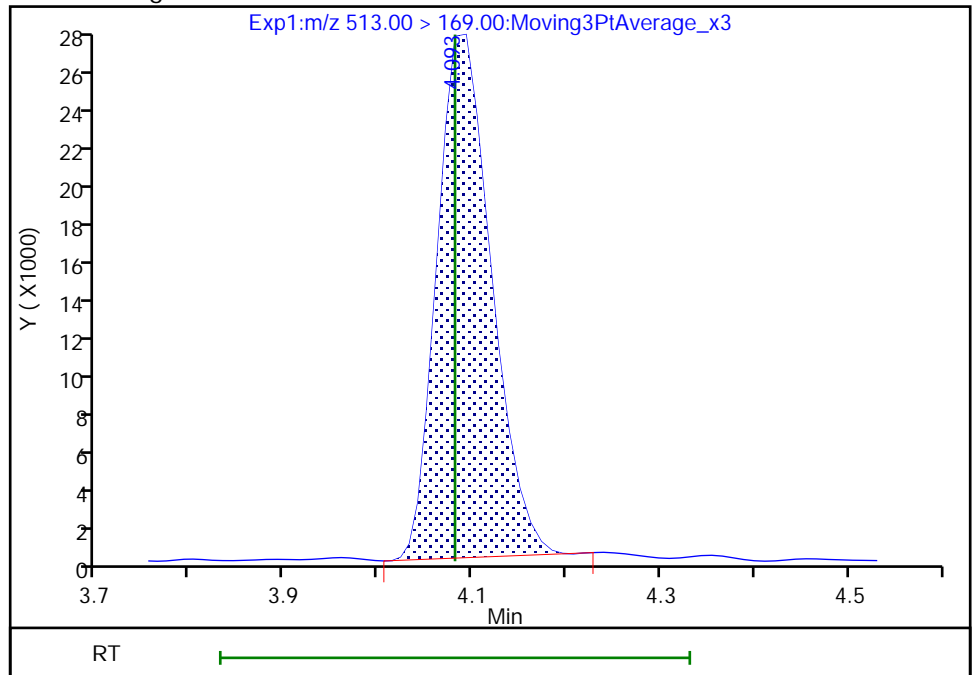
RT: 4.09
Area: 112536
Amount: 0.535825
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 108172
Amount: 0.585009
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:01:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

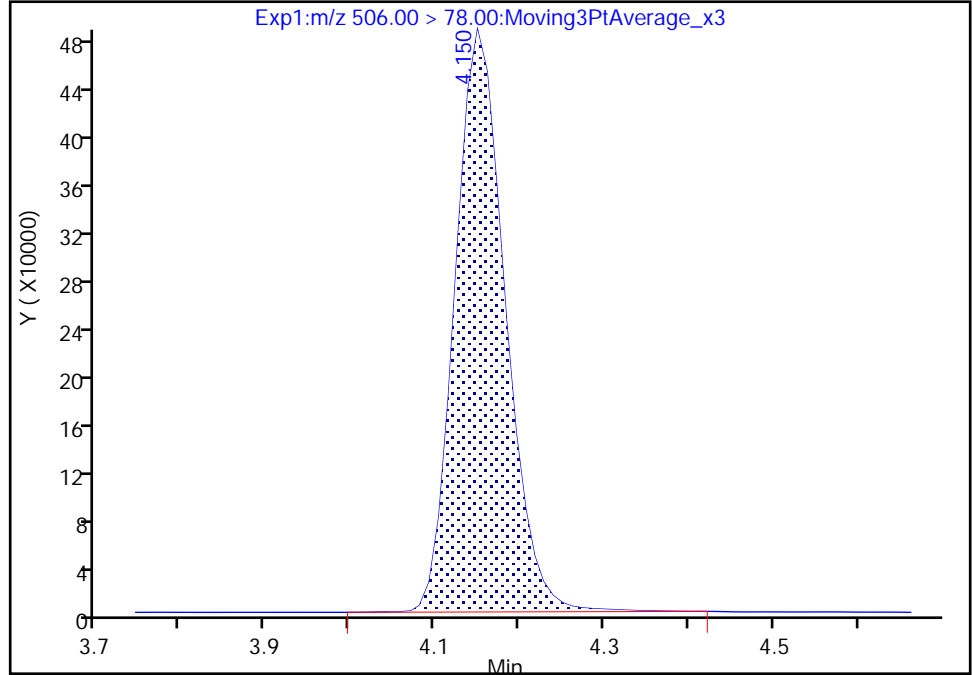
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056
Signal: 1

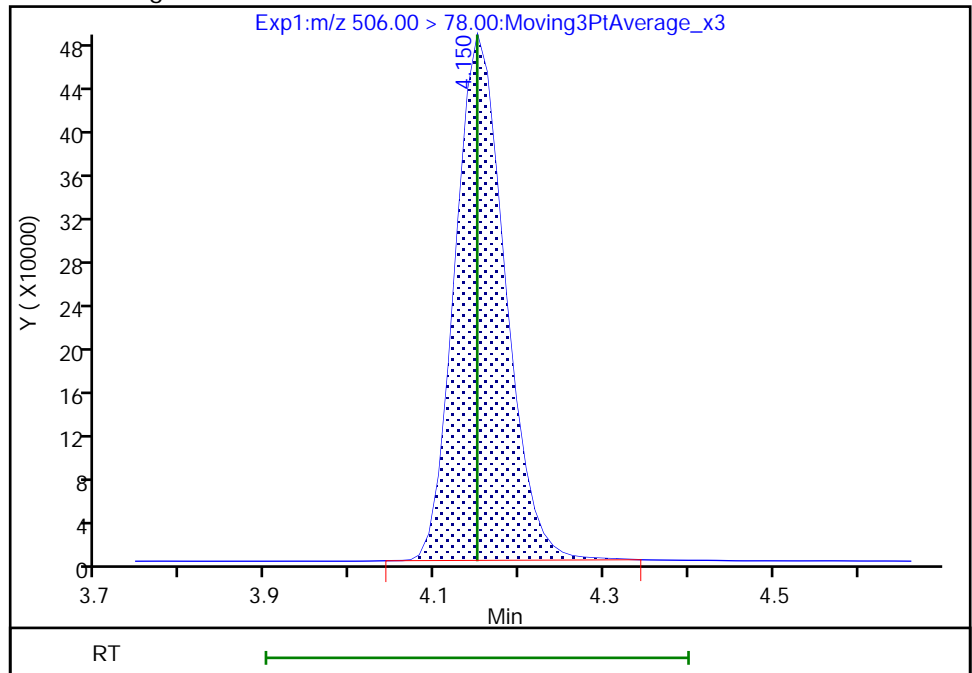
RT: 4.15
Area: 1977863
Amount: 1.249599
Amount Units: ng/ml

Processing Integration Results



RT: 4.15
Area: 1967036
Amount: 1.223096
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:01:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

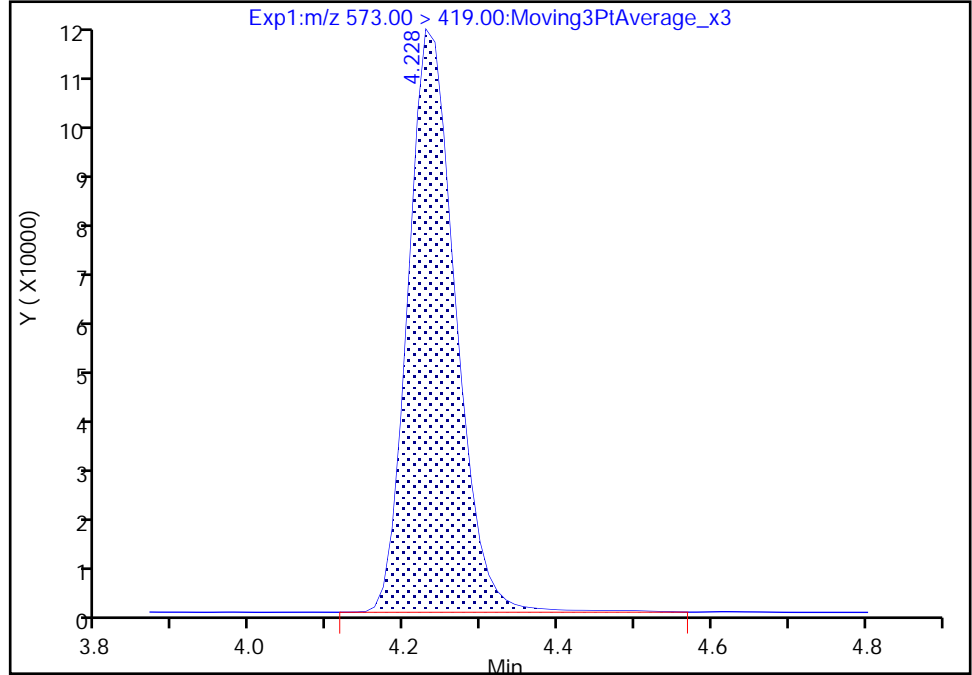
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118
Signal: 1

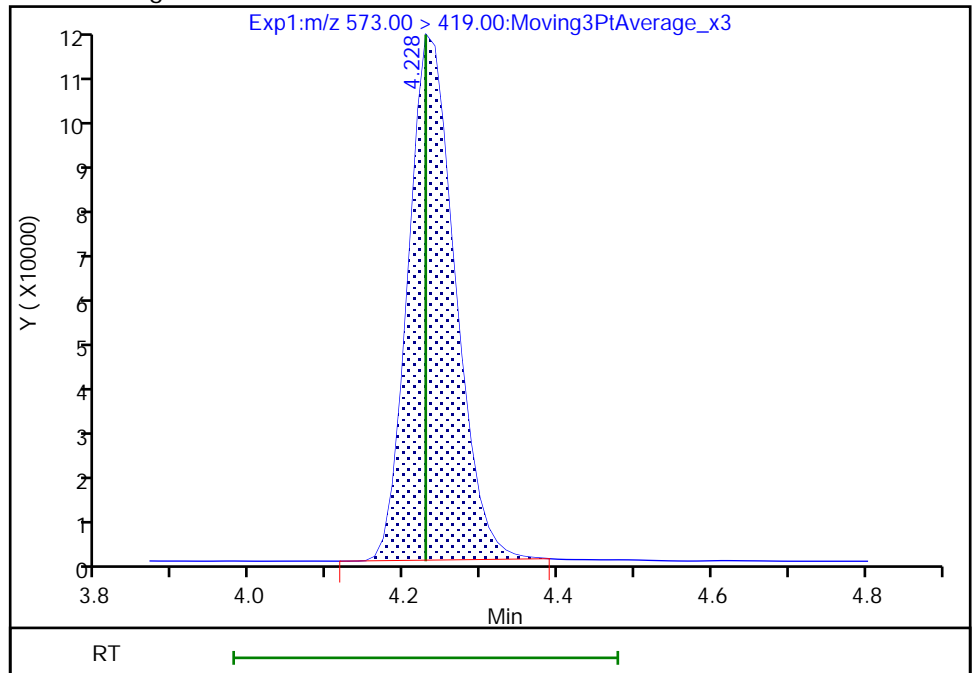
RT: 4.23
Area: 472648
Amount: 1.220892
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 466044
Amount: 1.166822
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:01:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

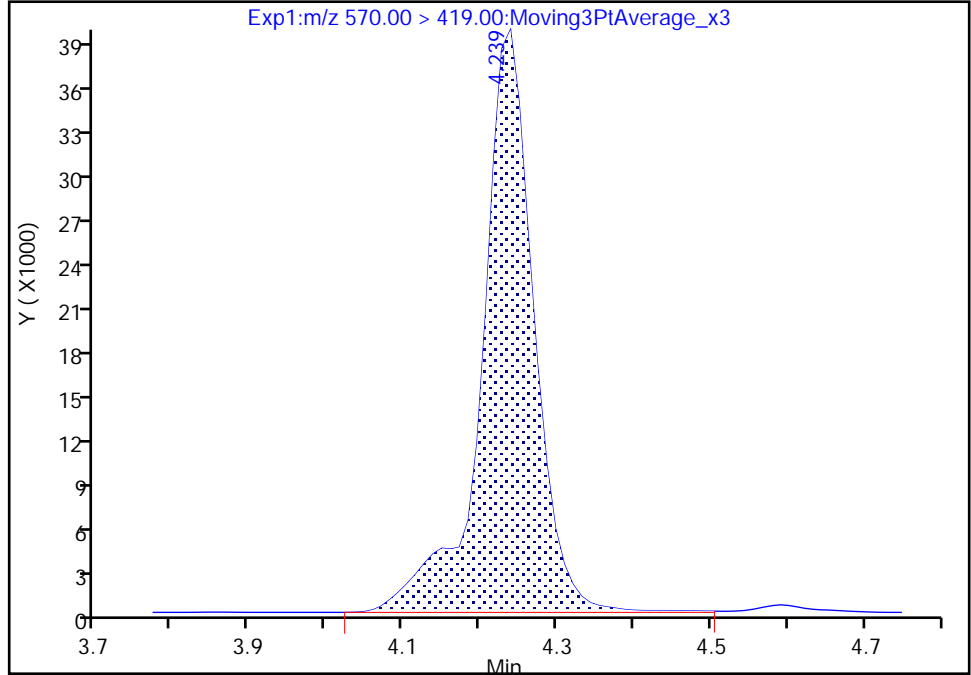
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

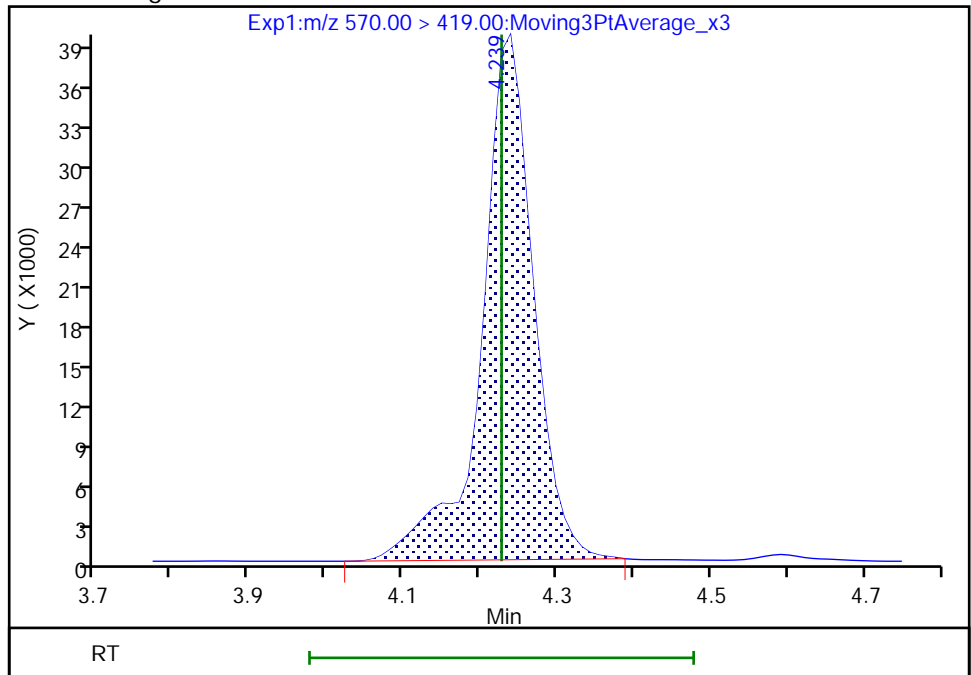
RT: 4.24
Area: 186349
Amount: 0.510442
Amount Units: ng/ml

Processing Integration Results



RT: 4.24
Area: 183478
Amount: 0.560438
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:02:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

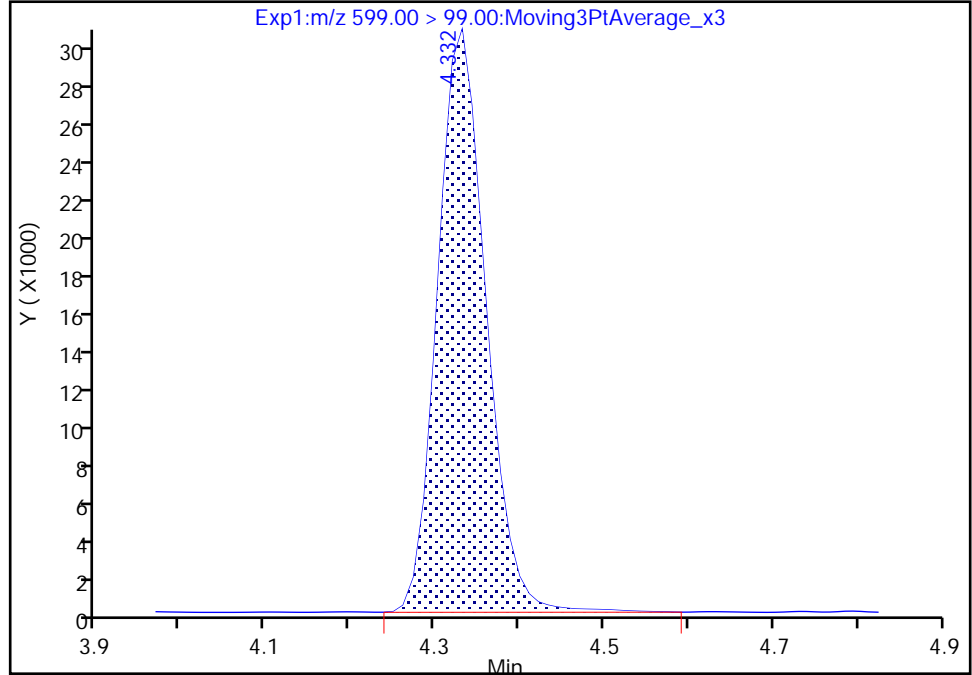
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

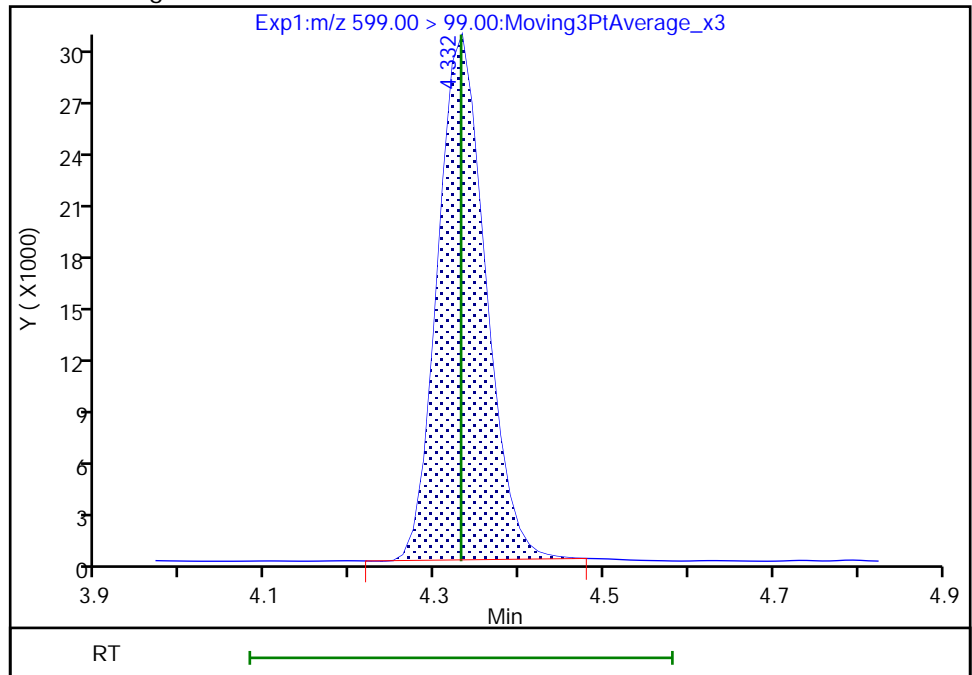
RT: 4.33
Area: 122520
Amount: 0.495943
Amount Units: ng/ml

Processing Integration Results



RT: 4.33
Area: 120718
Amount: 0.518321
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:02:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

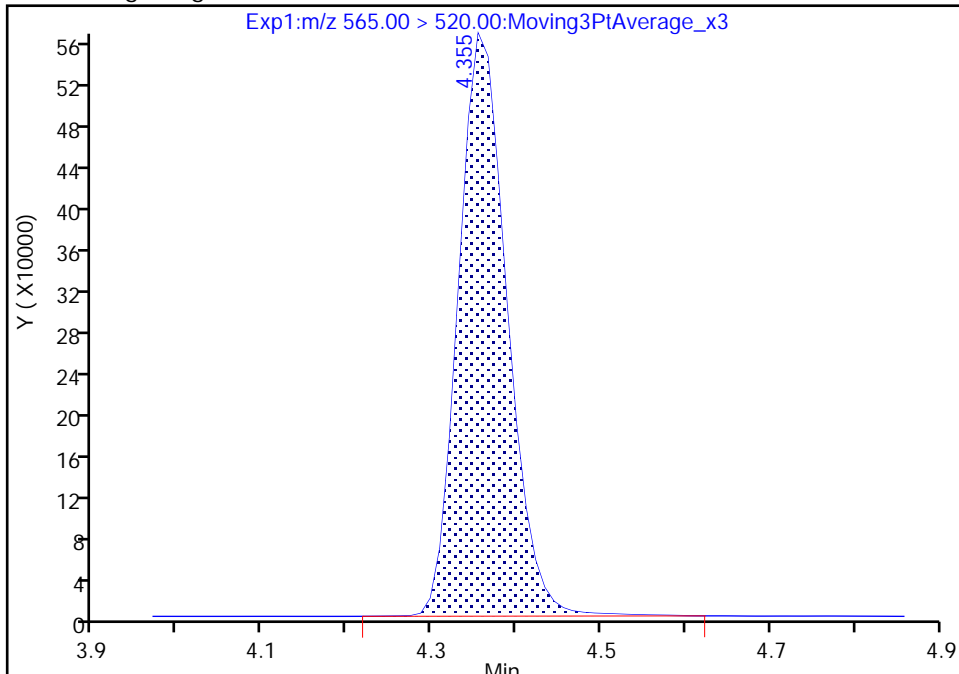
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

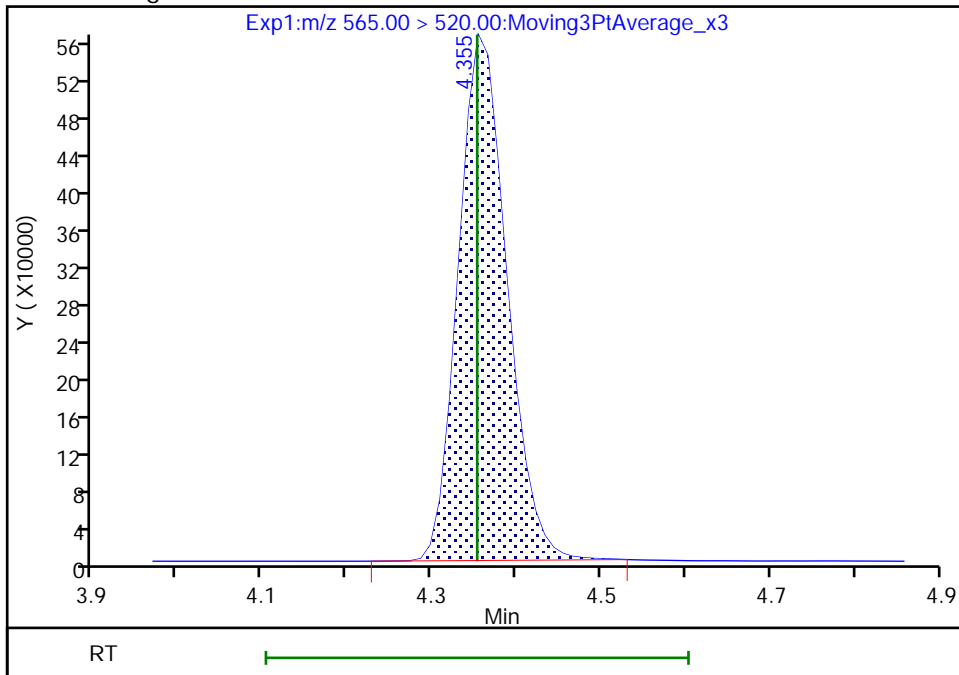
RT: 4.35
Area: 2246233
Amount: 1.255521
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 2230172
Amount: 1.241544
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:02:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

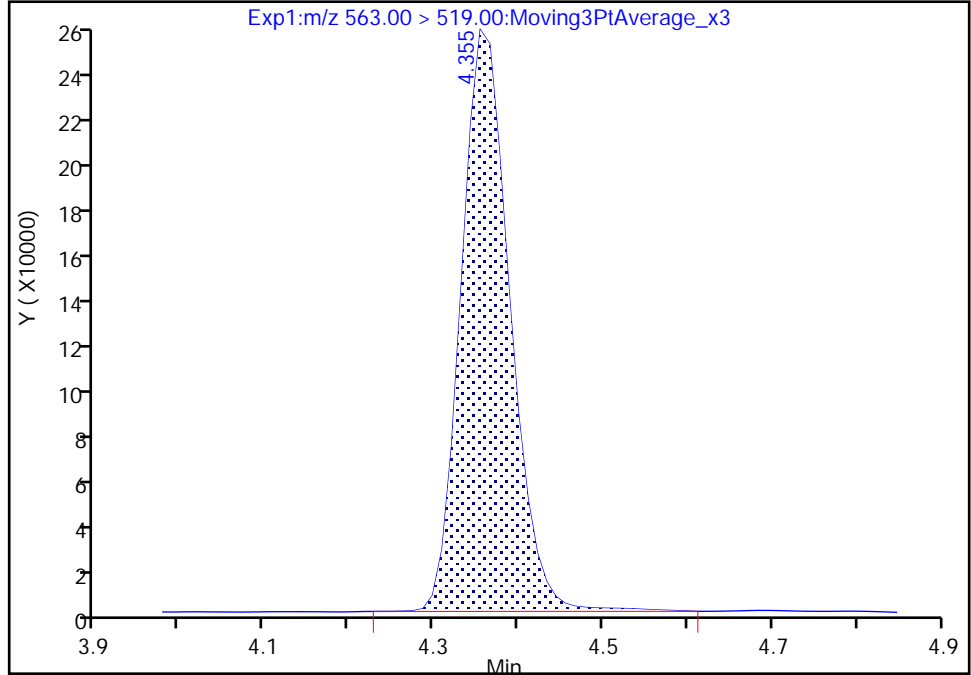
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

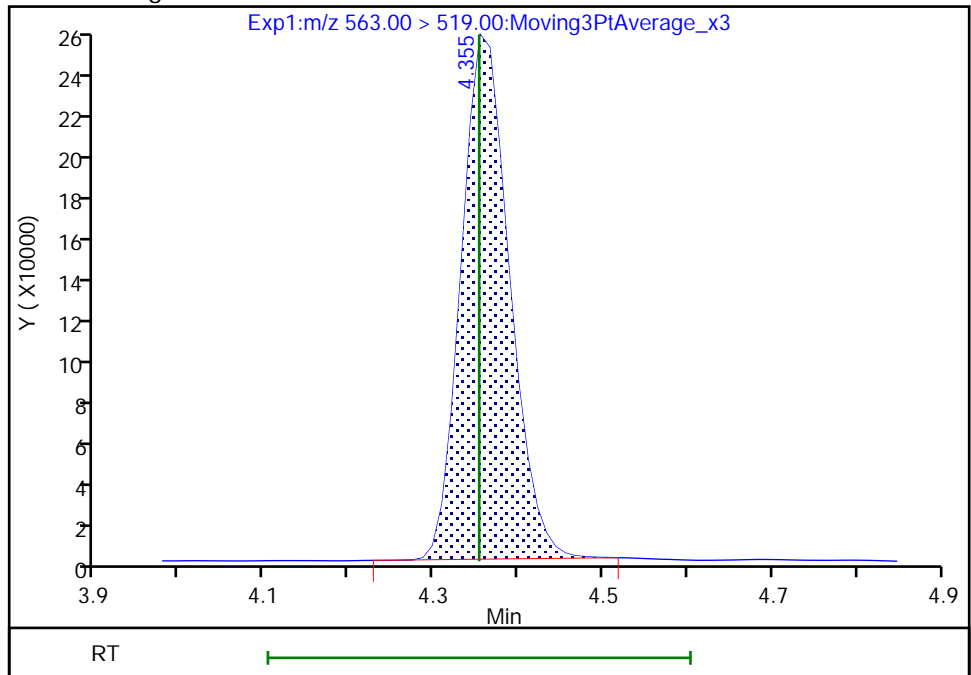
RT: 4.35
Area: 1019546
Amount: 0.528294
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 1004863
Amount: 0.558860
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:02:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

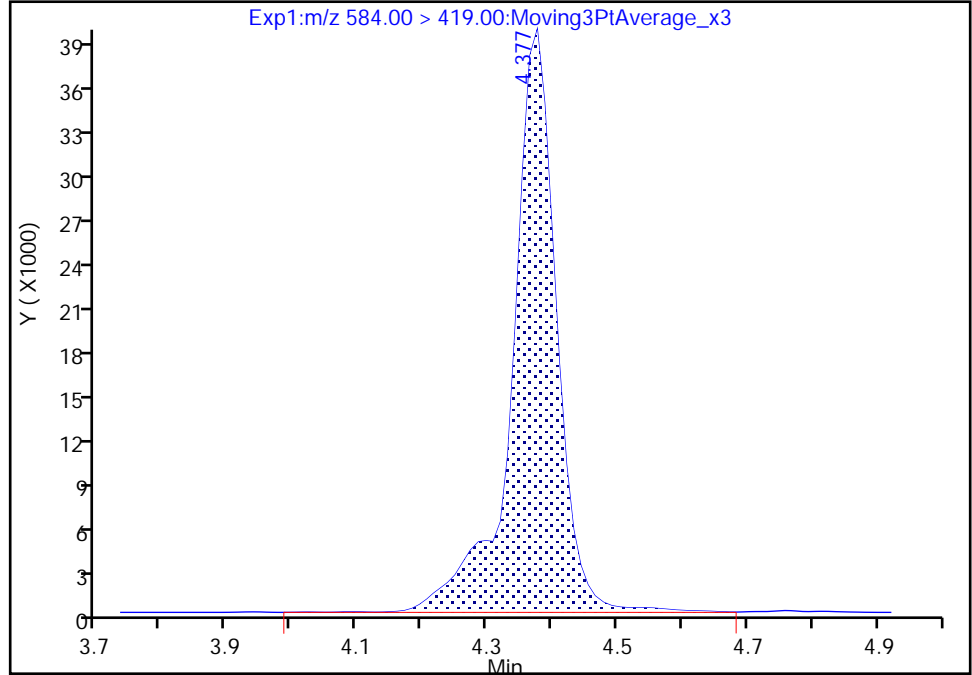
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

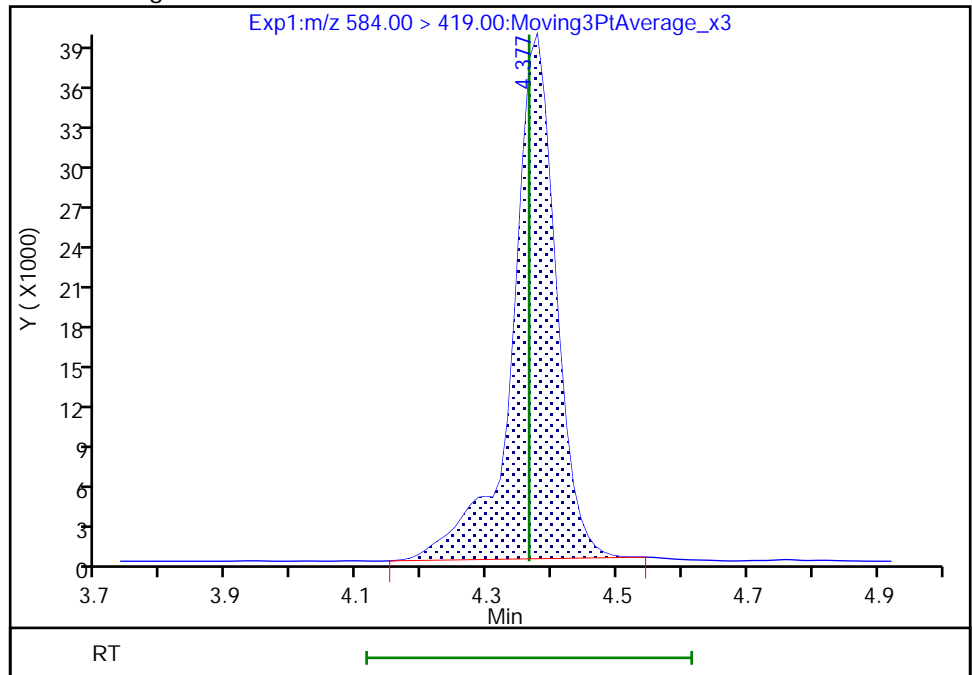
RT: 4.38
Area: 187455
Amount: 0.493834
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 182262
Amount: 0.510836
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:02:27
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

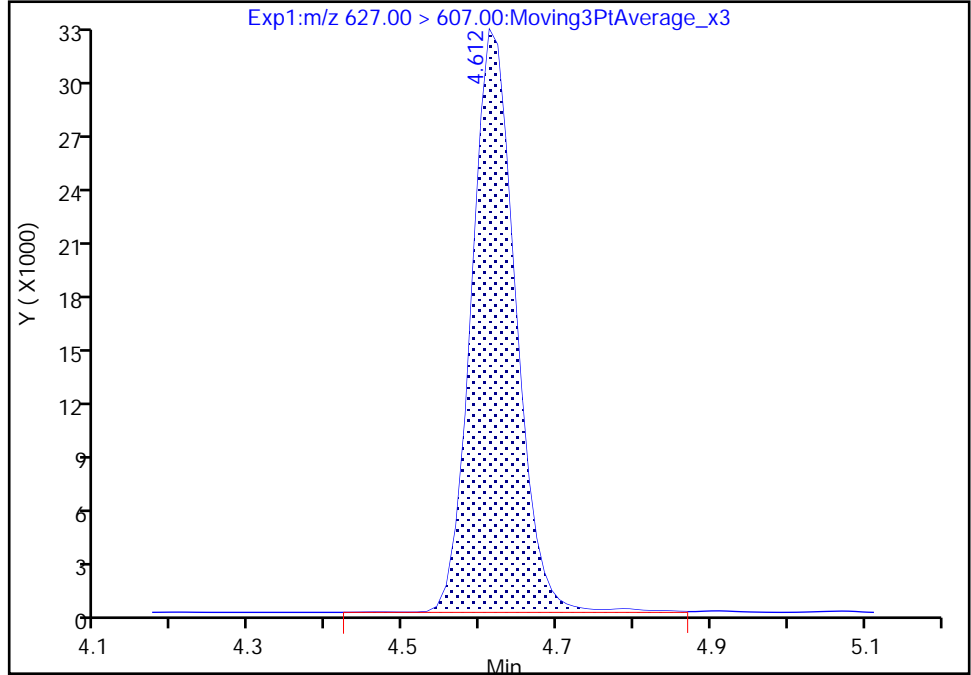
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

74 1H,1H,2H,2H-perfluorododecanesul, CAS: 120226-60-0

Signal: 1

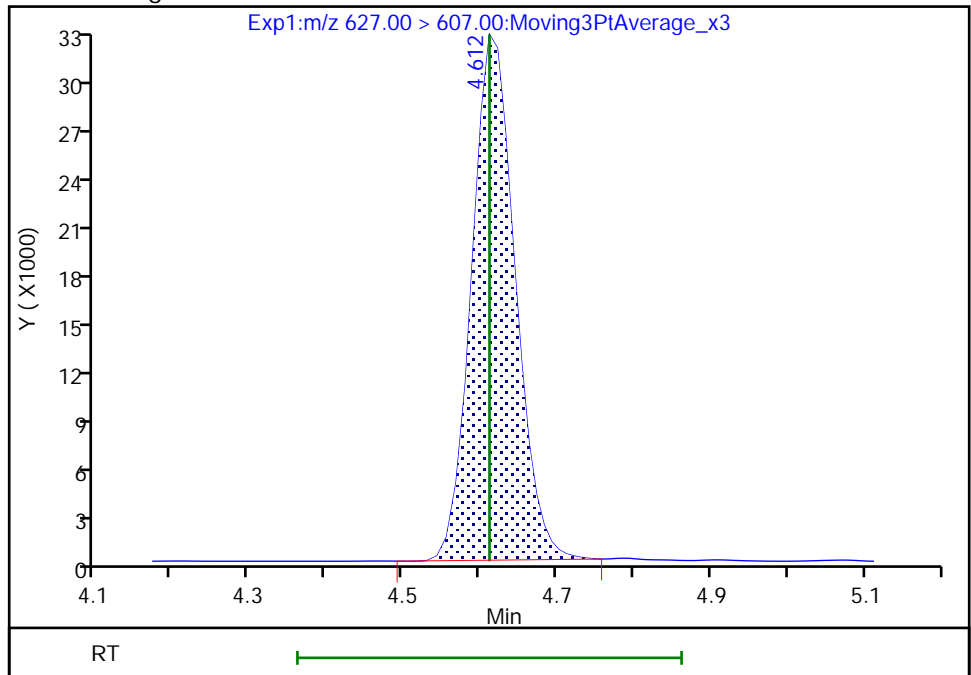
RT: 4.61
Area: 127475
Amount: 0.468658
Amount Units: ng/ml

Processing Integration Results



RT: 4.61
Area: 125547
Amount: 0.481934
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:02:36
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

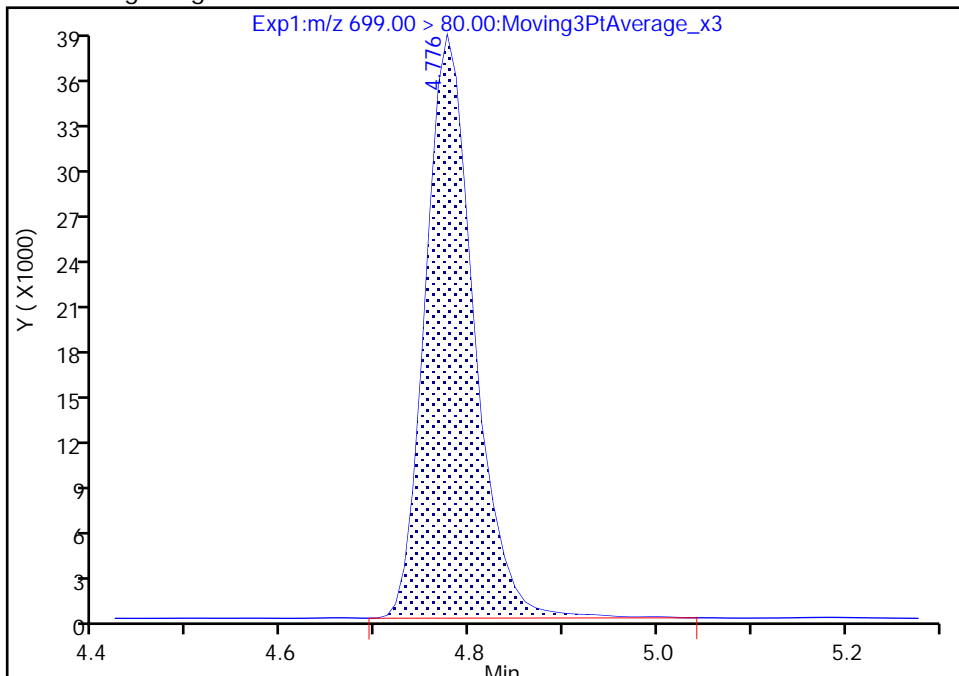
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

75 Perfluorododecanesulfonic acid (, CAS: 79780-39-5

Signal: 1

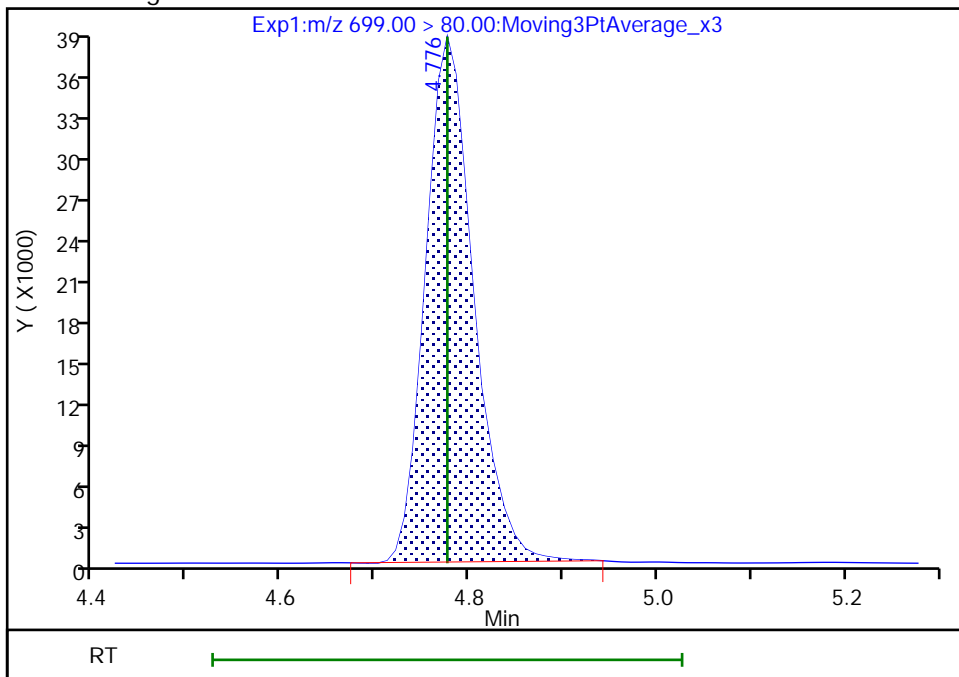
RT: 4.78
Area: 137382
Amount: 0.488107
Amount Units: ng/ml

Processing Integration Results



RT: 4.78
Area: 135657
Amount: 0.510739
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:02:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

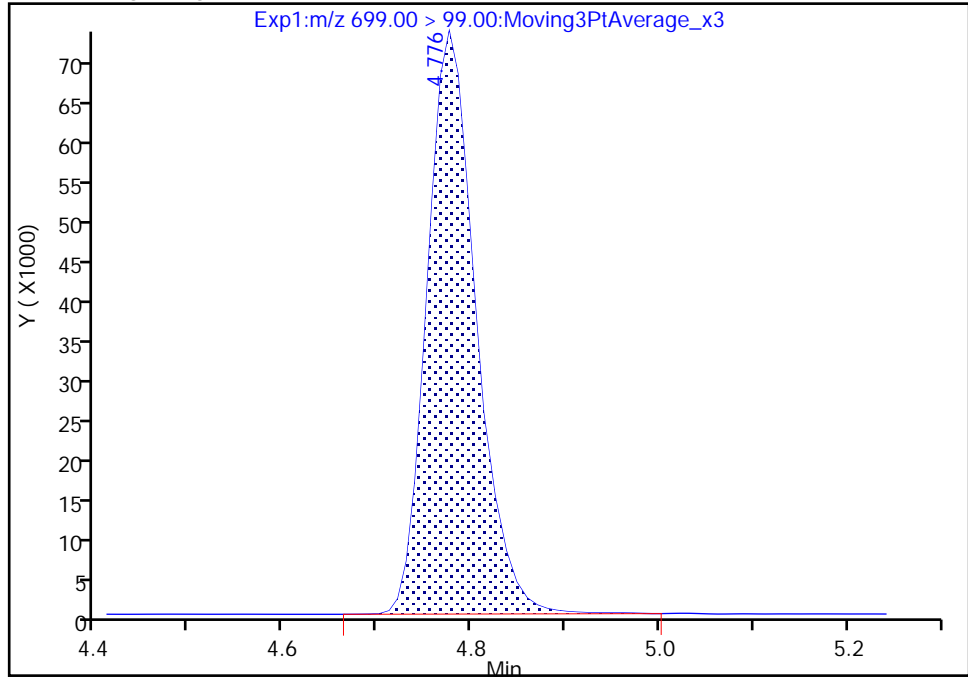
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

75 Perfluorododecanesulfonic acid (, CAS: 79780-39-5

Signal: 2

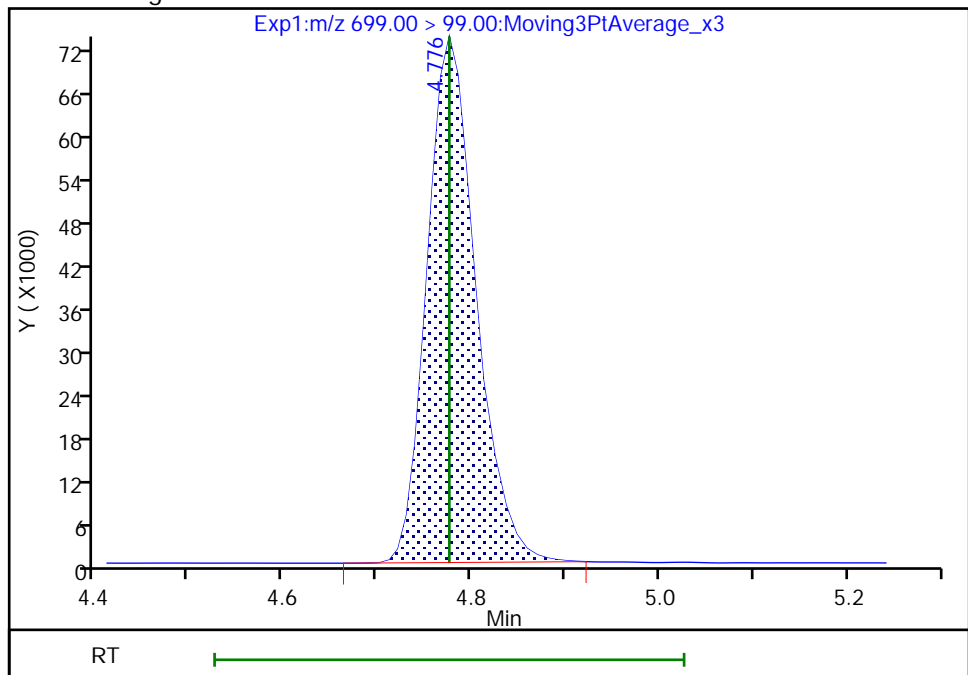
RT: 4.78
Area: 265617
Amount: 0.488107
Amount Units: ng/ml

Processing Integration Results



RT: 4.78
Area: 264160
Amount: 0.510739
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:02:45

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

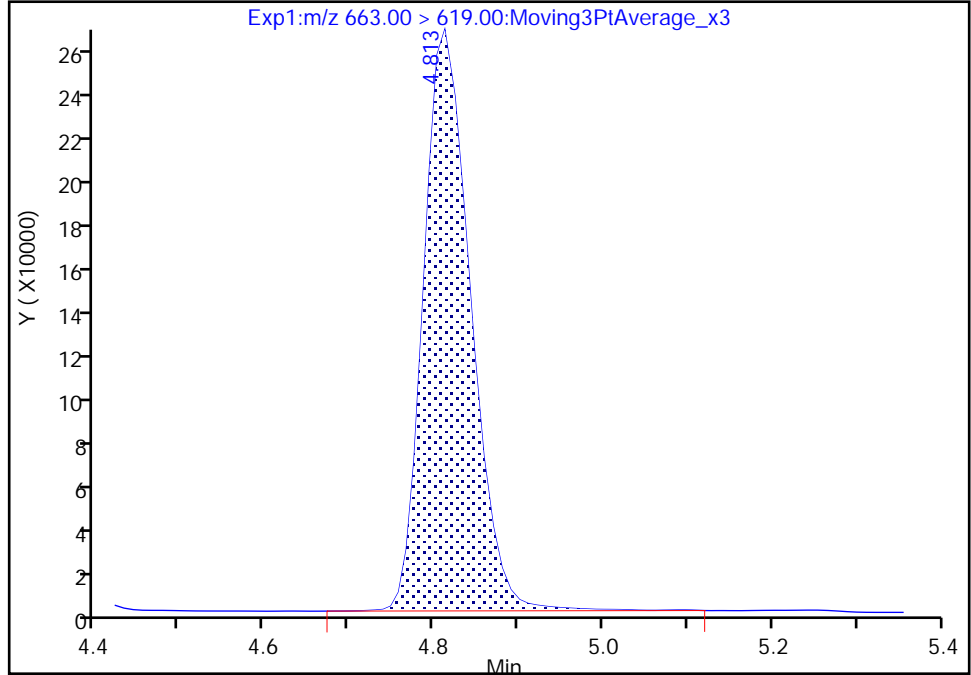
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

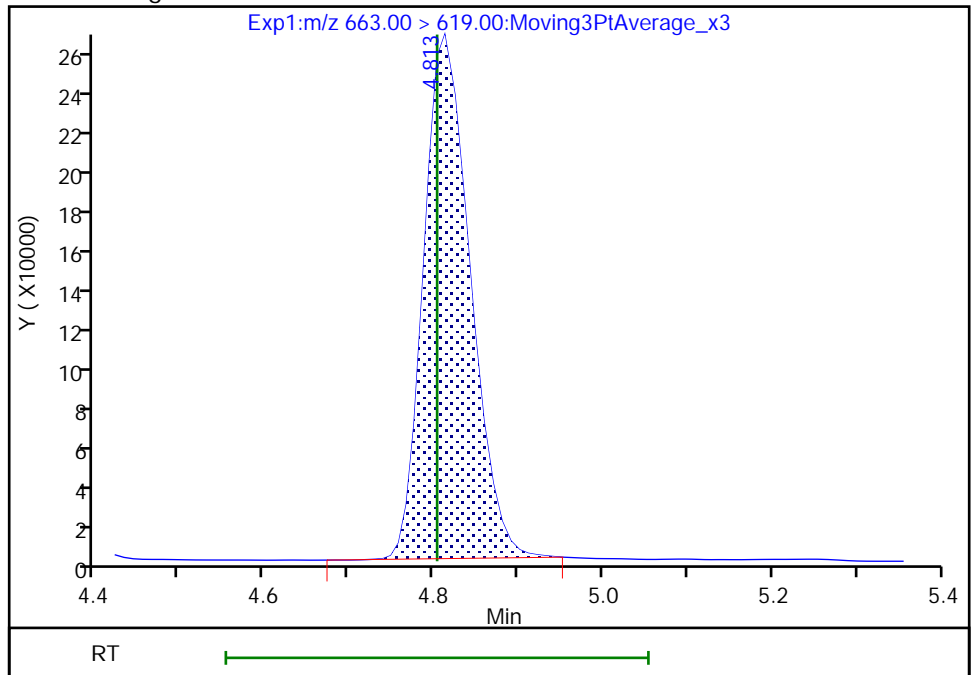
RT: 4.81
Area: 1002946
Amount: 0.507432
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 987678
Amount: 0.542529
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:02:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

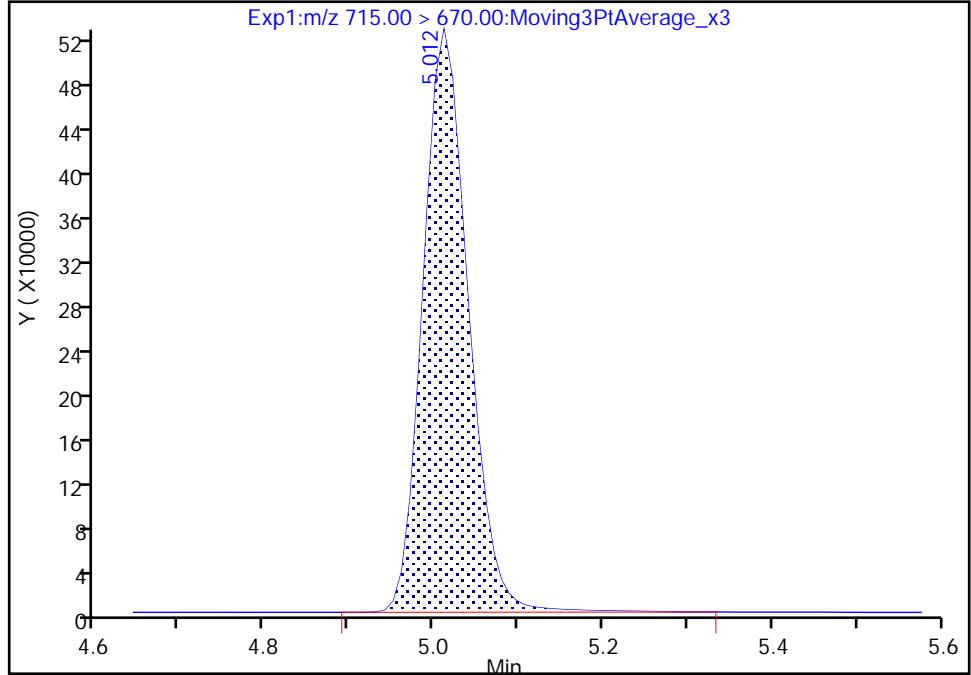
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116
Signal: 1

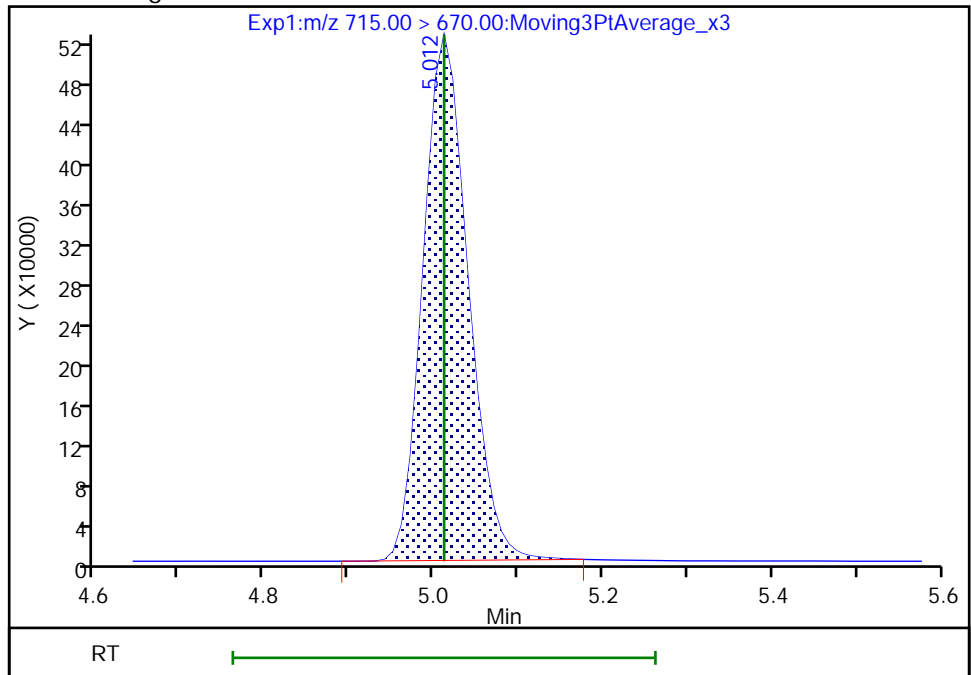
RT: 5.01
Area: 1966556
Amount: 1.245759
Amount Units: ng/ml

Processing Integration Results



RT: 5.01
Area: 1947280
Amount: 1.230207
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:02:58
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

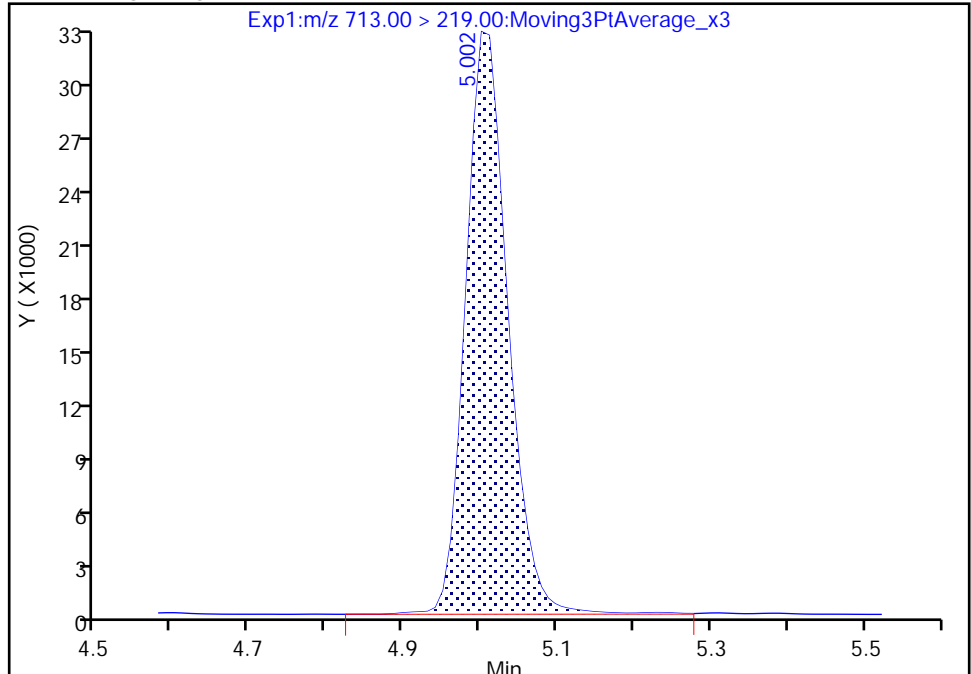
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

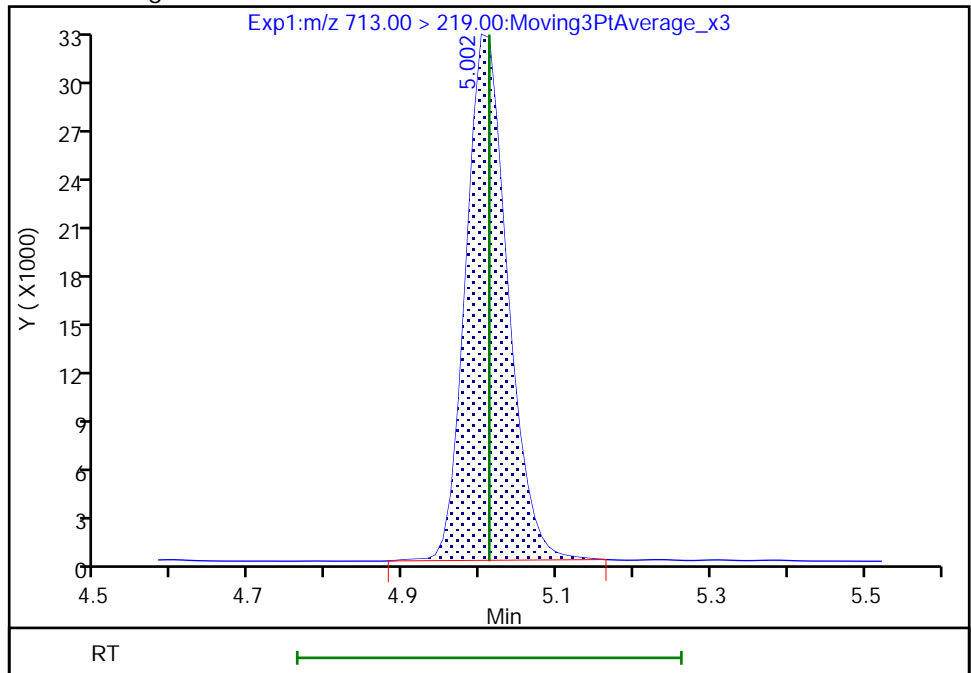
RT: 5.00
Area: 121696
Amount: 0.499944
Amount Units: ng/ml

Processing Integration Results



RT: 5.00
Area: 120383
Amount: 0.532692
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:03:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

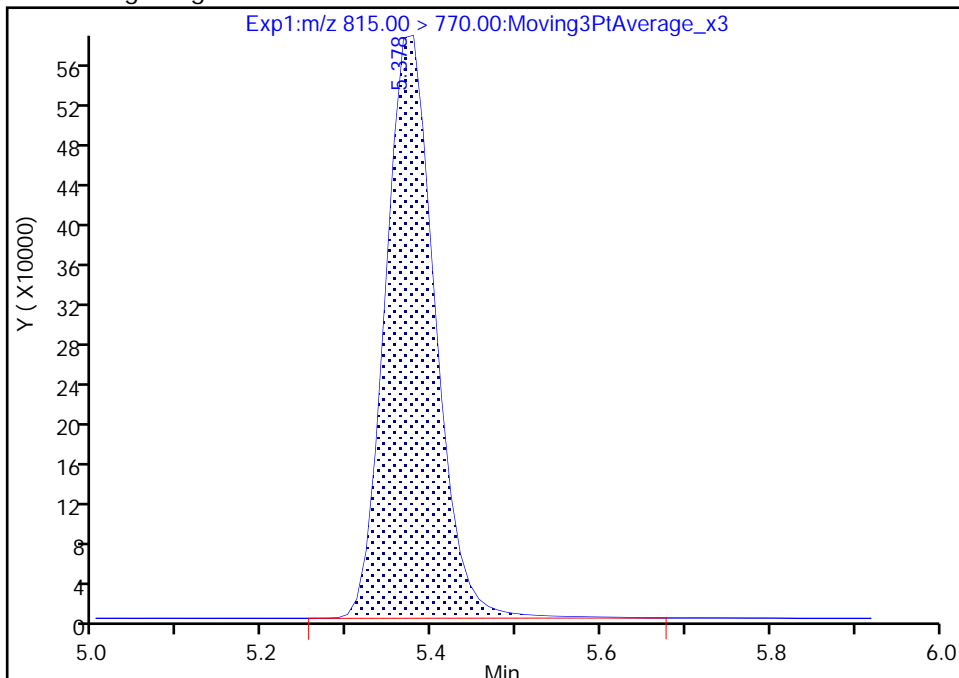
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

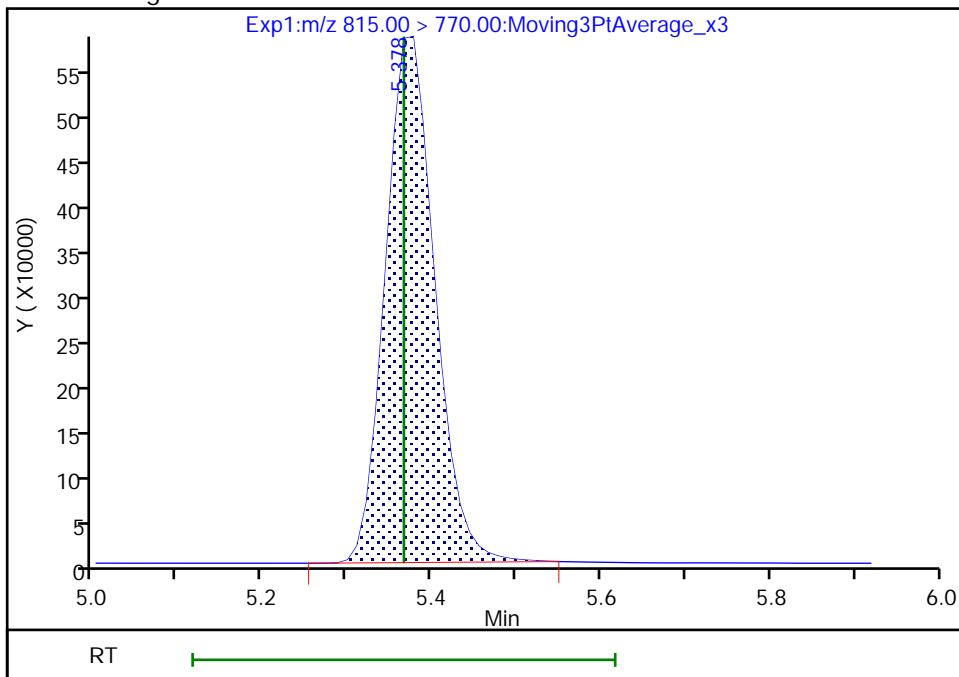
RT: 5.38
Area: 2367322
Amount: 1.213410
Amount Units: ng/ml

Processing Integration Results



RT: 5.38
Area: 2348434
Amount: 1.200087
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:03:09
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

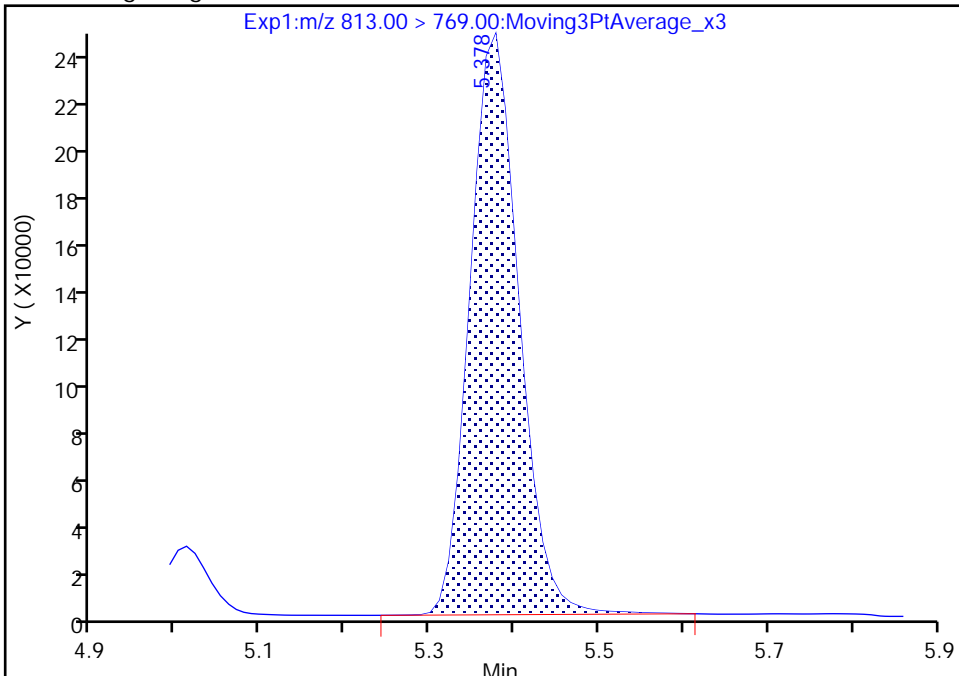
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

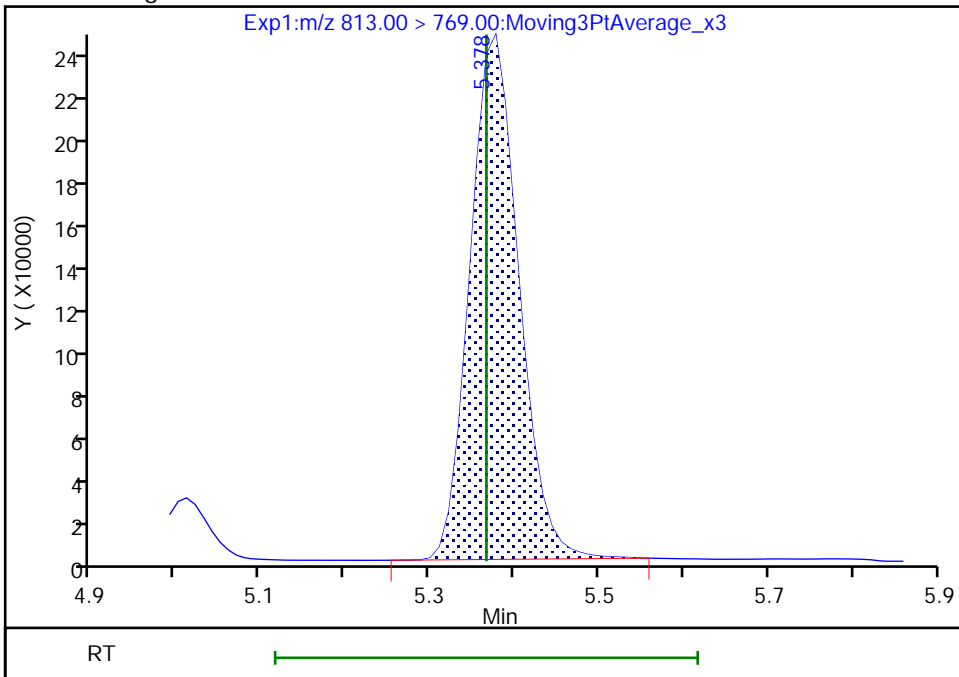
RT: 5.38
Area: 983409
Amount: 0.501394
Amount Units: ng/ml

Processing Integration Results



RT: 5.38
Area: 978907
Amount: 0.549576
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:03:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

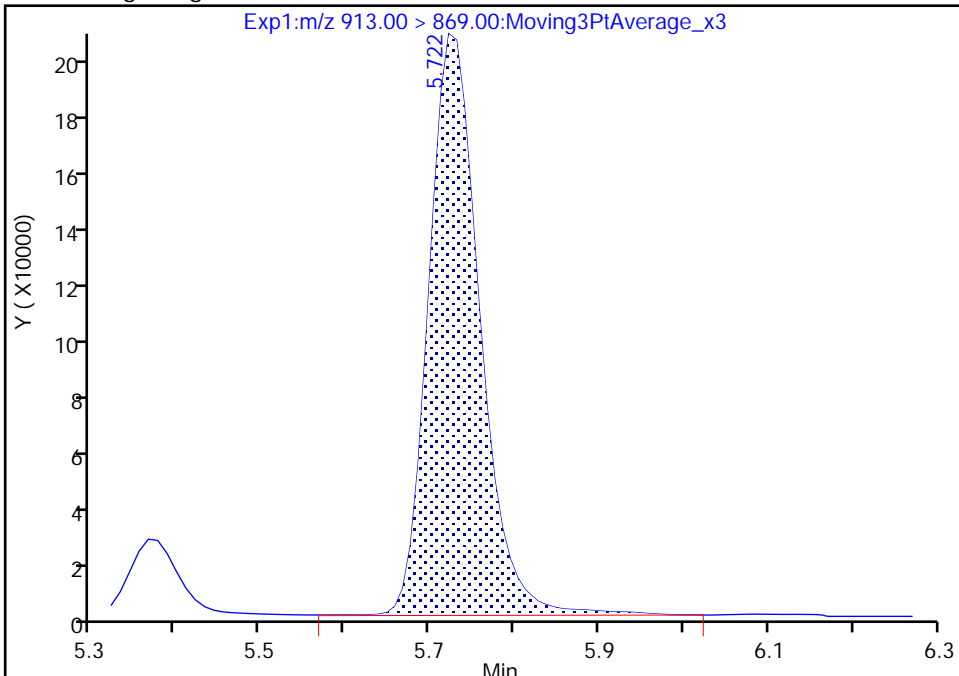
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

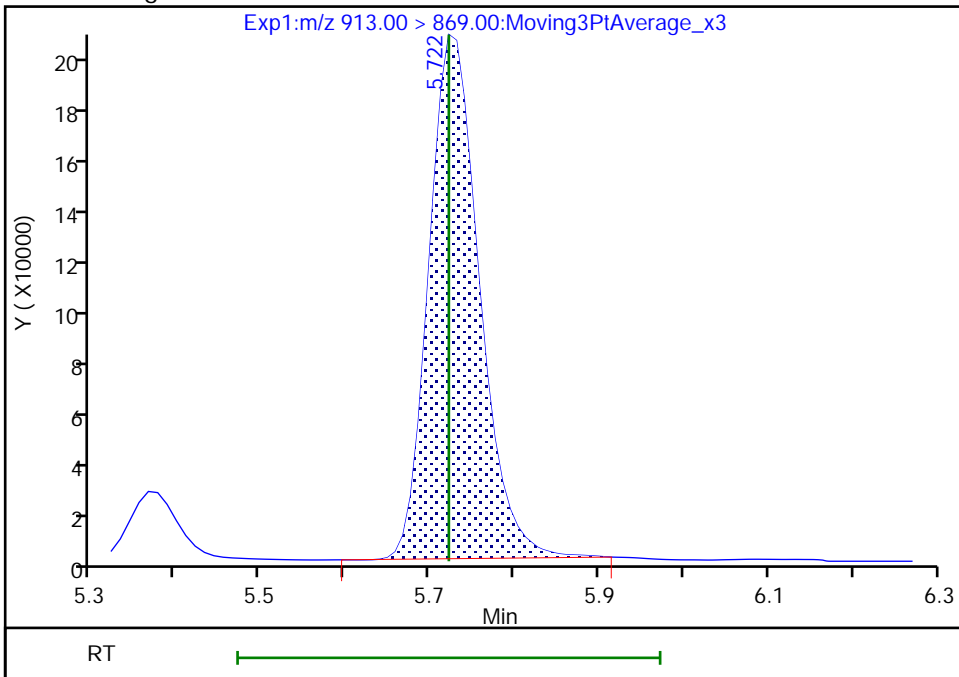
RT: 5.72
Area: 870066
Amount: 0.534447
Amount Units: ng/ml

Processing Integration Results



RT: 5.72
Area: 852104
Amount: 0.550699
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:03:20
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

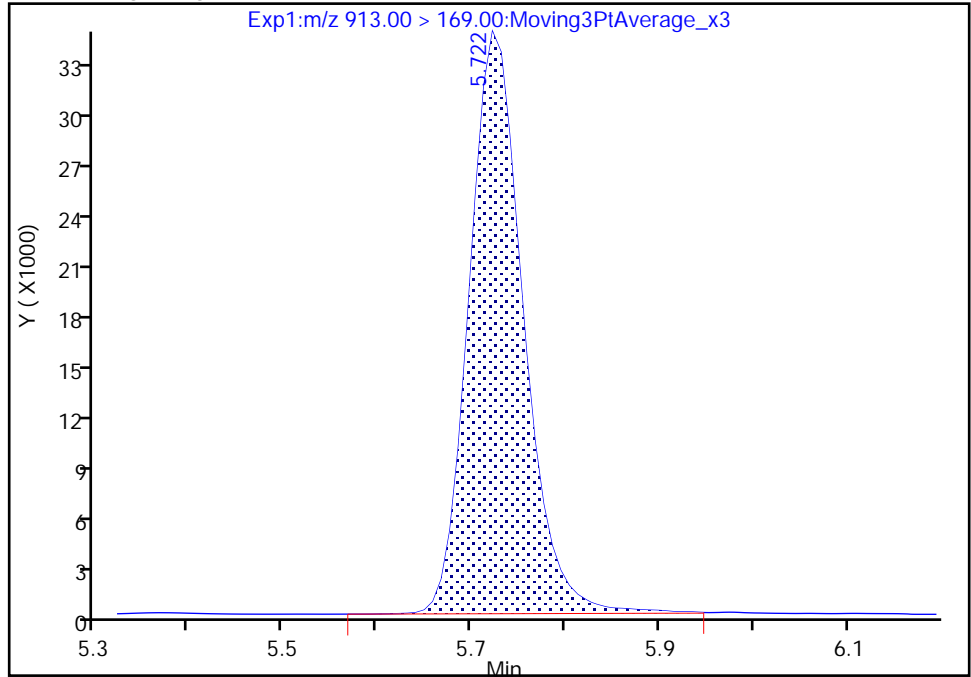
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

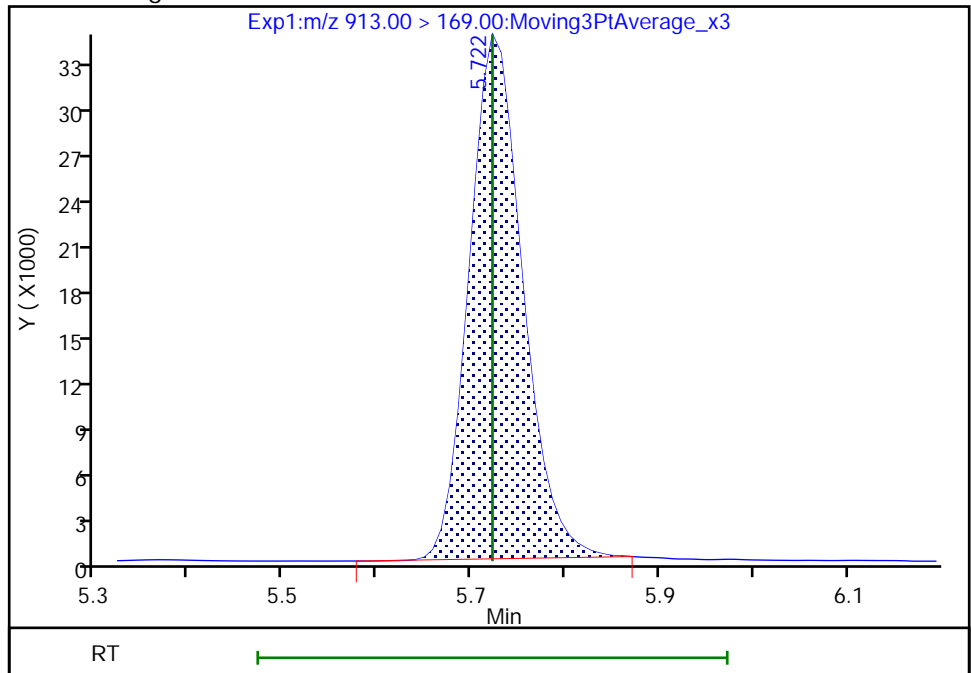
RT: 5.72
Area: 136693
Amount: 0.534447
Amount Units: ng/ml

Processing Integration Results



RT: 5.72
Area: 133969
Amount: 0.550699
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:03:23

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
 Lims ID: ICISAV
 Client ID:
 Sample Type: ICISAV Calib Level: 4
 Inject. Date: 18-Nov-2022 14:54:26 ALS Bottle#: 5 Worklist Smp#: 8
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: ICIS
 Misc. Info.: 200-0053396-008 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 18-Nov-2022 15:37:43 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1602

First Level Reviewer: Z1IP Date: 18-Nov-2022 15:10:02

Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA	217.00 > 172.00	2.076	2.076	0.0	0.602	2534911	1.21	97.1	8459	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.076	2.076	0.0	1.000	1911392	0.9140		91.4	178	M
D 3 13C5 PFPeA	267.90 > 223.00	2.387	2.387	0.0	0.692	1977830	1.24	99.5	4234	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.387	2.387	0.0	1.000	1602160	0.9291		92.9	42.0	M
D 47 13C3 PFBS	301.90 > 80.00	2.400	2.400	0.0	0.696	1977208	1.14	98.4	321673	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.400	2.400	0.0	1.000	1545417	0.7942	Target=2.14	89.8	2033	
298.90 > 99.00	2.400	2.400	0.0	1.000	739473		2.09(1.07-3.21)	89.8	579	
61 1H,1H,2H,2H-perfluorohexanesulfo	327.00 > 307.00	2.689	2.689	0.0	1.000	391113	0.8767	93.9	2379	
D 60 M2-4:2 FTS	329.00 > 81.00	2.689	2.689	0.0	0.780	169056	1.11	94.8	181	
D 7 13C2 PFHxA	315.00 > 270.00	2.725	2.725	0.0	0.790	2055340	1.23	98.7	4582	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.725	2.725	0.0	1.000	1703495	0.9508	Target=13.44	95.1	335	M
313.00 > 119.00	2.725	2.725	0.0	1.000	119585		14.25(6.72-20.15)	95.1	175	
70 Perfluoropentanesulfonic acid	349.00 > 80.00	2.737	2.737	0.0	0.887	1404230	0.8581	Target=2.98	91.5	2468
349.00 > 99.00	2.737	2.737	0.0	0.887	461710		3.04(1.49-4.47)	91.5	1082	
D 64 13C3 HFPO-DA	287.00 > 169.00	2.835	2.835	0.0	0.822	372889	1.27	101	2292	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.835	2.835	0.0	1.000	286947	0.9110		91.1	991	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.088	3.088	0.0	0.896	1449028	1.15		97.4	3635	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.088	3.088	0.0	1.000	1180858	0.8538	Target=3.57	93.8	1219	M
399.00 > 99.00	3.088	3.088	0.0	1.000	322894		3.66(1.78-5.35)	93.8	449	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.099	3.099	0.0	0.899	2123066	1.24		99.1	4752	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.099	3.099	0.0	1.000	1718424	0.9293	Target=3.93	92.9	372	M
363.00 > 169.00	3.099	3.099	0.0	1.000	433271		3.97(1.96-5.89)	92.9	919	M
77 DONA										
377.00 > 251.00	3.132	3.132	0.0	0.832	4197219	0.9414	Target=3.08	99.9	3253	
377.00 > 85.00	3.132	3.132	0.0	0.832	1329955		3.16(1.54-4.62)	99.9	1576	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.439	3.439	0.0	0.997	249636	1.18		99.6	824	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.439	3.439	0.0	1.000	404018	0.8979		94.7	1316	
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.439	3.439	0.0	0.914	1021904	0.9037	Target=5.16	94.9	1725	M
449.00 > 99.00	3.439	3.439	0.0	0.914	198660		5.14(2.58-7.74)	94.9	800	
D 14 13C4 PFOA										
417.00 > 372.00	3.448	3.448	0.0	1.000	2342274	1.22		97.3	4621	
* 62 13C2 PFOA										
415.00 > 370.00	3.448	3.448	0.0		2326928	1.25			6928	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.448	3.448	0.0	1.000	1946044	0.9715	Target=2.82	97.1	147	
413.00 > 169.00	3.448	3.448	0.0	1.000	696928		2.79(1.41-4.23)	97.1	1444	M
D 18 13C4 PFOS										
503.00 > 80.00	3.764	3.764	0.0	1.092	967441	1.13		94.8	2148	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.764	3.764	0.0	1.000	856526	0.8700	Target=5.01	93.7	226	M
499.00 > 99.00	3.764	3.764	0.0	1.000	167691		5.11(2.50-7.51)	93.7	213	M
D 19 13C5 PFNA										
468.00 > 423.00	3.783	3.783	0.0	1.097	2356501	1.26		101	3960	
20 Perfluorononanoic acid										
463.00 > 419.00	3.783	3.783	0.0	1.000	1851038	0.9465	Target=8.49	94.7	363	
463.00 > 169.00	3.783	3.783	0.0	1.000	216403		8.55(4.25-12.74)	94.7	1426	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.928	3.928	0.0	1.044	2037918	0.9019		96.8	7599	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.050	4.050	0.0	1.076	673297	0.9060	Target=2.60	94.4	3265	
549.00 > 99.00	4.061	4.050	0.011	1.079	265784		2.53(1.30-3.90)	94.4	989	
D 23 13C2 PFDA										M
515.00 > 470.00	4.081	4.081	0.0	1.184	2384612	1.25		100.0	2422	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										
513.00 > 469.00	4.081	4.081	0.0	1.000	1957474	0.9462	Target=10.03	94.6	861	
513.00 > 169.00	4.081	4.081	0.0	1.000	190868		10.26(5.02-15.05)	94.6	378	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.093	4.093	0.0	1.187	300249	1.16		97.1	1026	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.093	4.093	0.0	1.000	370895	0.9148		95.5	1282	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.150	4.150	0.0	1.000	1483356	0.9442		94.4	2971	
D 21 13C8 FOSA										
506.00 > 78.00	4.150	4.150	0.0	1.204	1879604	1.20		96.1	1789	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.228	4.228	0.0	1.226	470154	1.21		96.8	798	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.228	4.228	0.0	1.000	324897	0.99		99.3	621	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.331	4.331	0.0	1.151	528363	0.9005	Target=2.58	93.4	2444	
599.00 > 99.00	4.331	4.331	0.0	1.151	210859		2.51(1.29-3.86)	93.4	1382	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.353	4.353	0.0	1.000	1710346	0.9714	Target=10.10	97.1	822	
563.00 > 169.00	4.353	4.353	0.0	1.000	173100		9.88(5.05-15.15)	97.1	1375	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.353	4.353	0.0	1.263	2183949	1.25		100	2475	M
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.365	4.365	0.0	1.000	311108	0.9436		94.4	1137	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.365	4.365	0.0	1.266	460360	1.20		96.3	910	
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.454	4.454	0.0	1.183	3224328	0.9257		98.3	2744	M
37 Perfluorododecanoic acid										
613.00 > 569.00	4.591	4.591	0.0	1.000	1785384	0.9748	Target=7.41	97.5	120	
613.00 > 169.00	4.591	4.591	0.0	1.000	229653		7.77(3.70-11.11)	97.5	1063	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.591	4.591	0.0	1.332	2161023	1.21		97.1	3209	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.612	4.612	0.0	1.127	226266	0.9287		96.3	3406	
75 Perfluorododecanesulfonic acid (
699.00 > 80.00	4.776	4.776	0.0	1.269	229113	0.9229	Target=0.51	95.3	1358	
699.00 > 99.00	4.776	4.776	0.0	1.269	454220		0.50(0.25-0.76)	95.3	1975	M
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.804	4.804	0.0	1.046	1631703	0.9315	Target=5.40	93.2	116	M
663.00 > 169.00	4.804	4.804	0.0	1.046	313474		5.21(2.70-8.10)	93.2	887	M
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.012	5.012	0.0	1.000	188468	0.9330	Target=0.90	93.3	1017	M
713.00 > 219.00	5.002	5.012	-0.010	0.998	212234		0.89(0.45-1.35)	93.3	1287	M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.012	5.012	0.0	1.454	1844360	1.20		95.8	2227	M

Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										M
815.00 > 770.00	5.367	5.367	0.0	1.557	2280992	1.20		95.9	2085	M
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.367	5.367	0.0	1.000	1633724	0.9566	Target=5.85	95.7	136	M
813.00 > 169.00	5.367	5.367	0.0	1.000	289352		5.65(2.93-8.78)	95.7	1150	M
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.722	5.722	0.0	1.066	1473641	0.9805	Target=6.30	98.1	150	M
913.00 > 169.00	5.722	5.722	0.0	1.066	236187		6.24(3.15-9.46)	98.1	764	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC4_00036

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d

Injection Date: 18-Nov-2022 14:54:26

Instrument ID: LC812

Lims ID: ICISAV

Client ID:

Operator ID: lc812tech

ALS Bottle#: 5

Worklist Smp#: 8

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

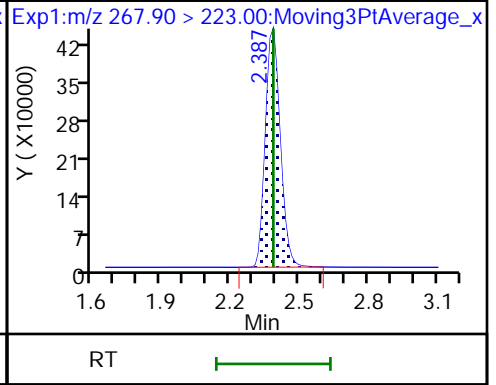
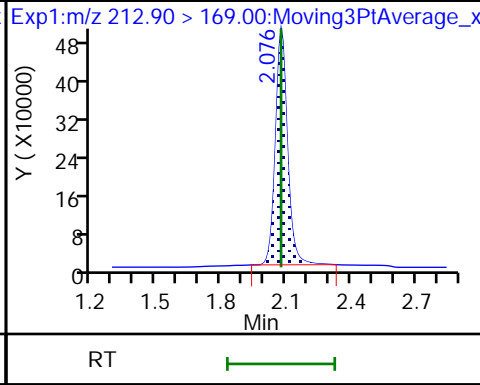
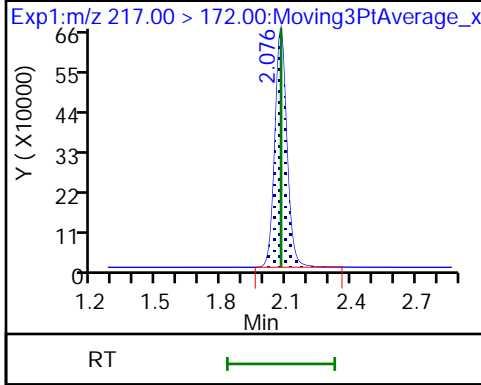
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

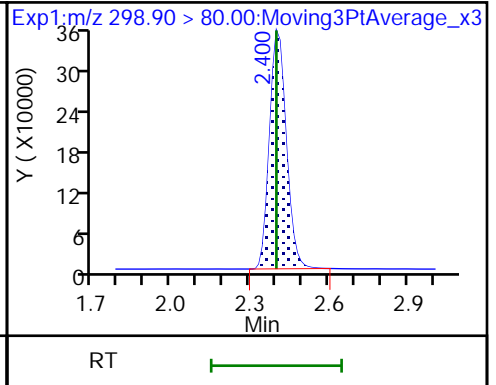
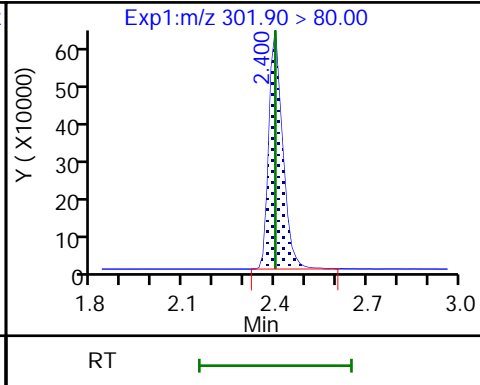
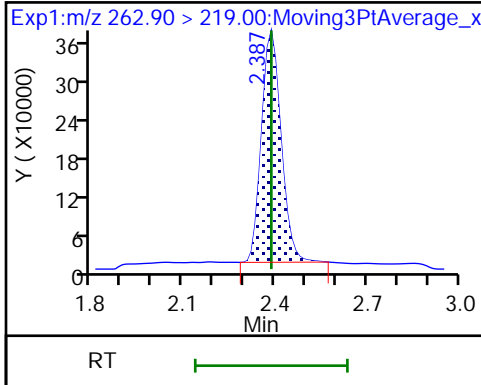
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

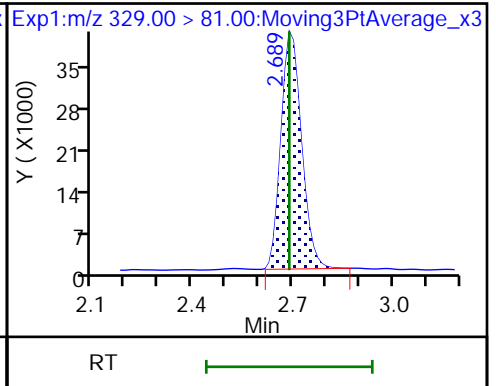
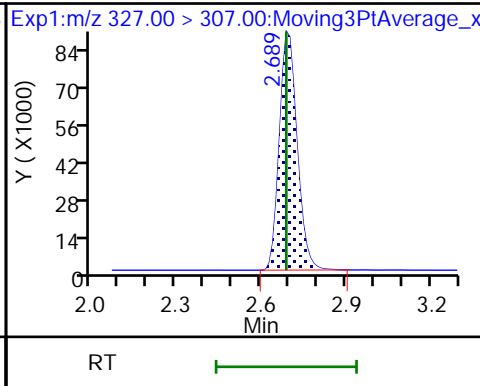
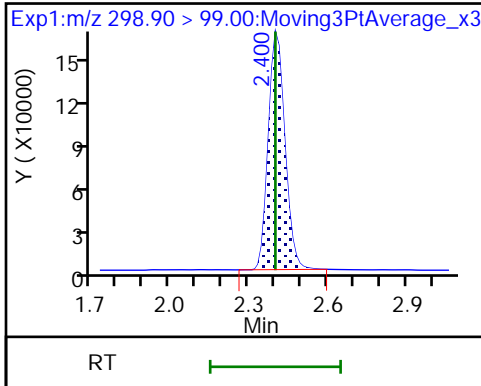
D 47 13C3 PFBS

5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid

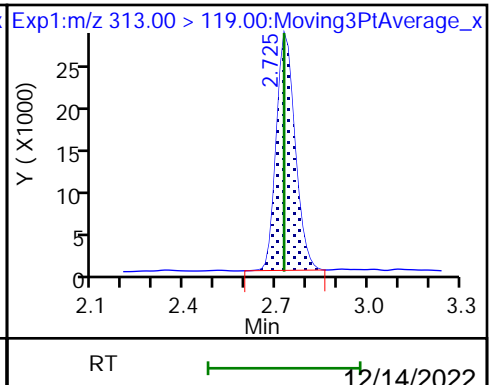
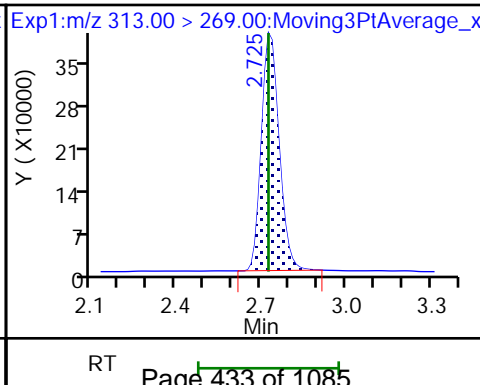
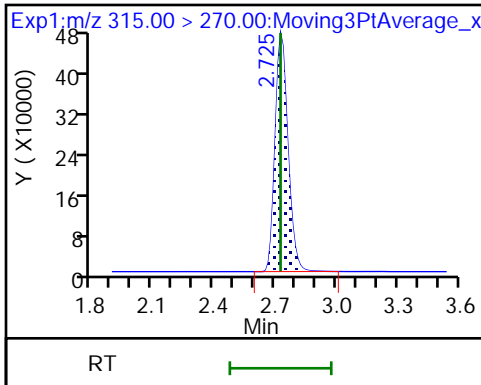
61 1H,1H,2H,2H-perfluorohexanesulfo D 60 M2-4:2 FTS

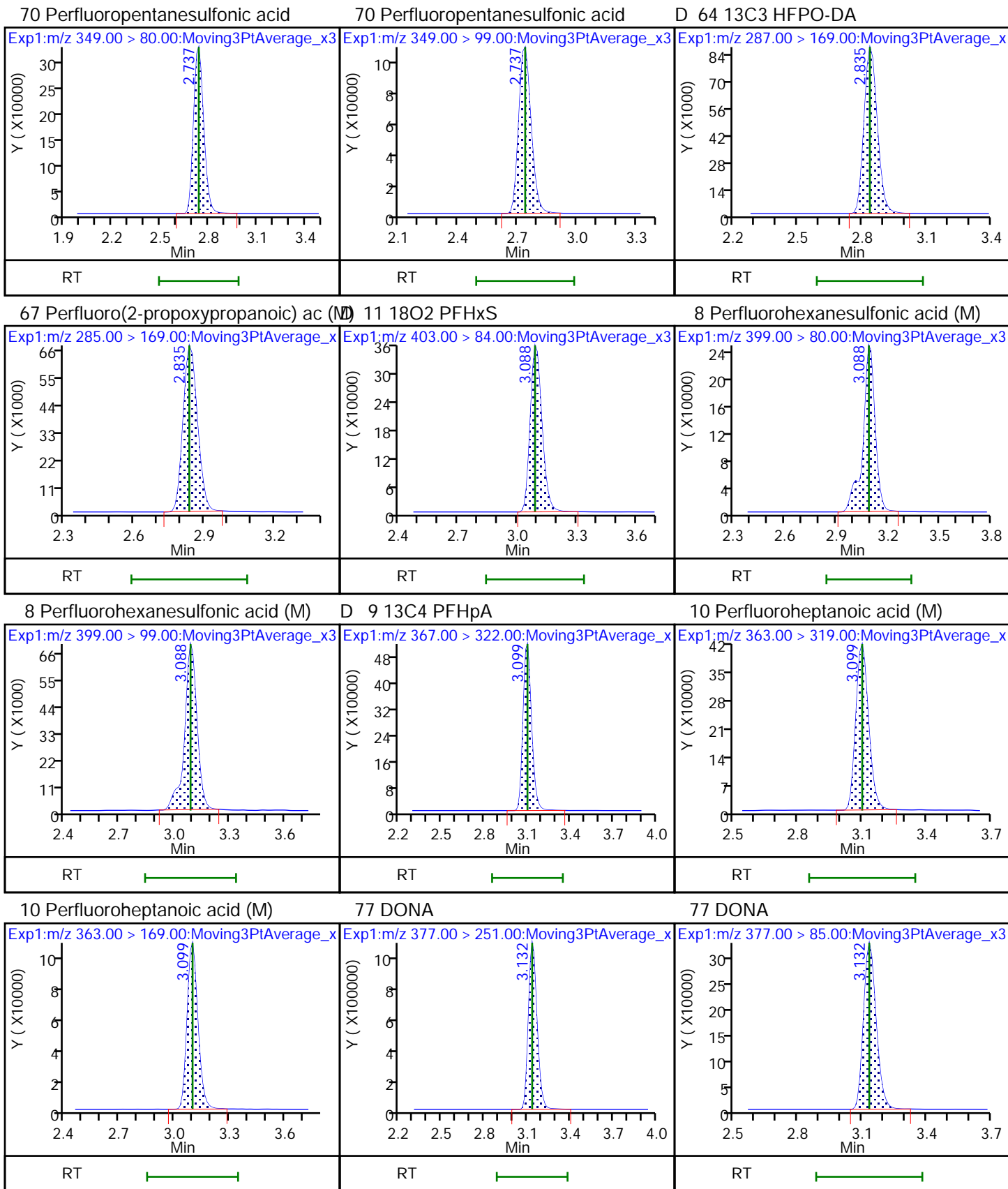


D 7 13C2 PFHxA

6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid

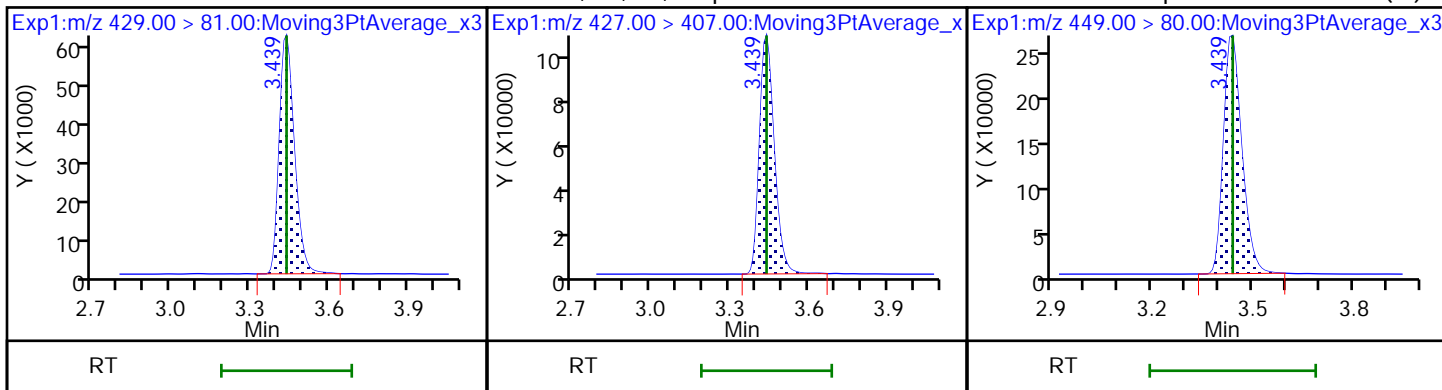




D 12 M2-6:2 FTS

13 1H,1H,2H,2H-perfluorooctanesulfo

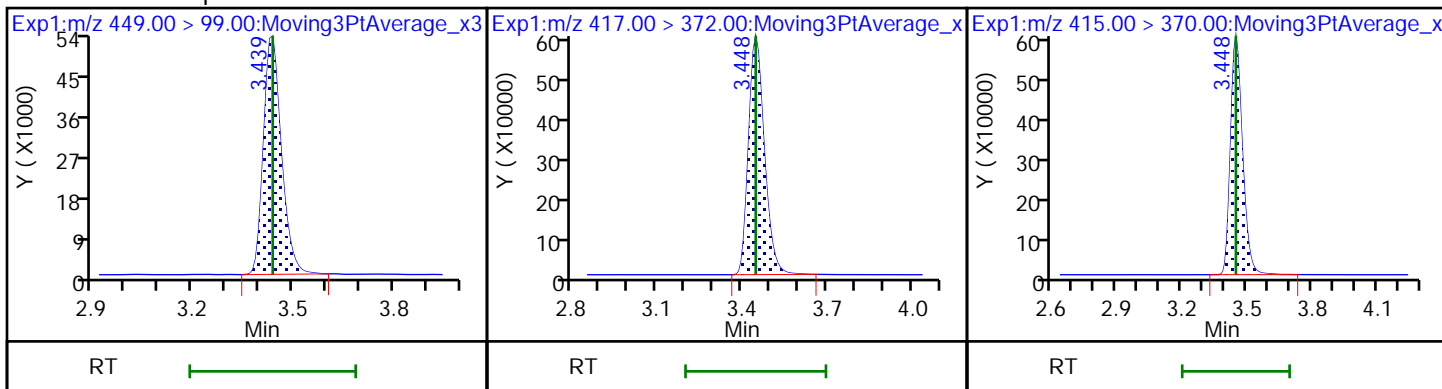
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid

D 14 13C4 PFOA

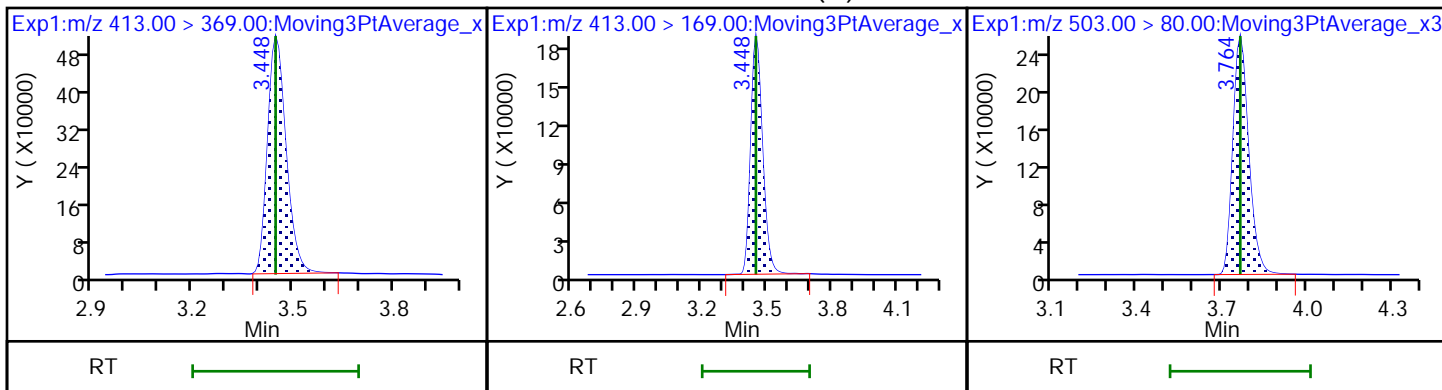
* 62 13C2 PFOA



15 Perfluorooctanoic acid

15 Perfluorooctanoic acid (M)

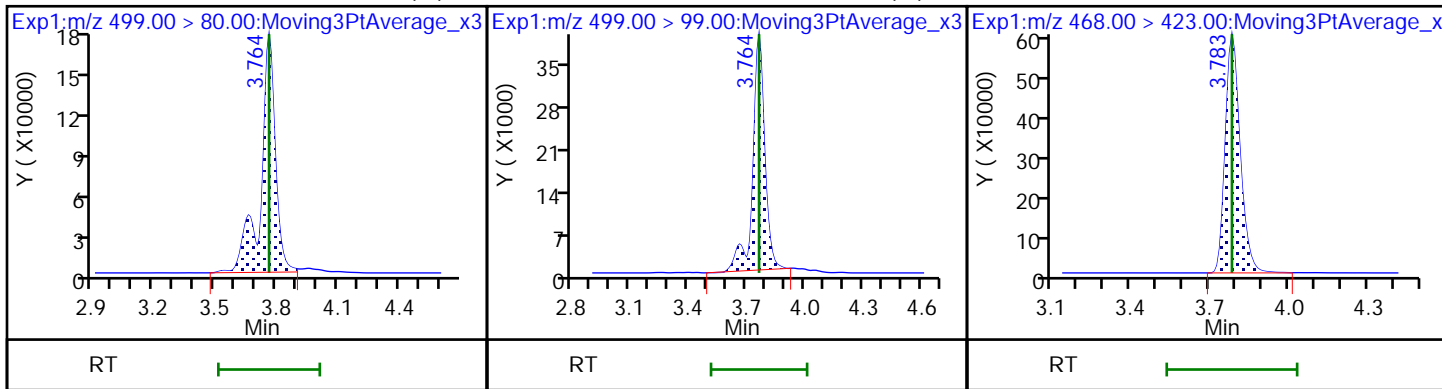
D 18 13C4 PFOS

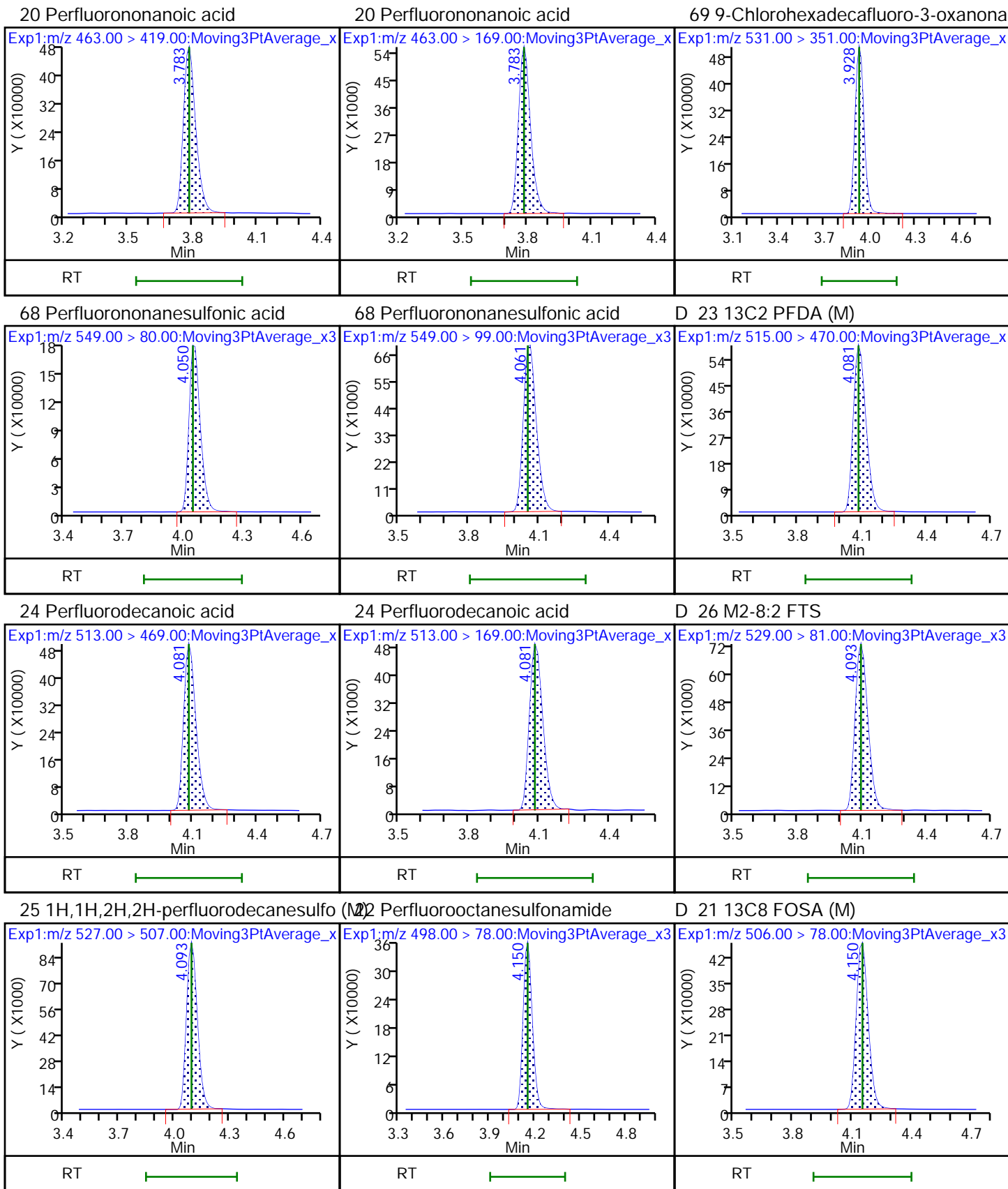


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

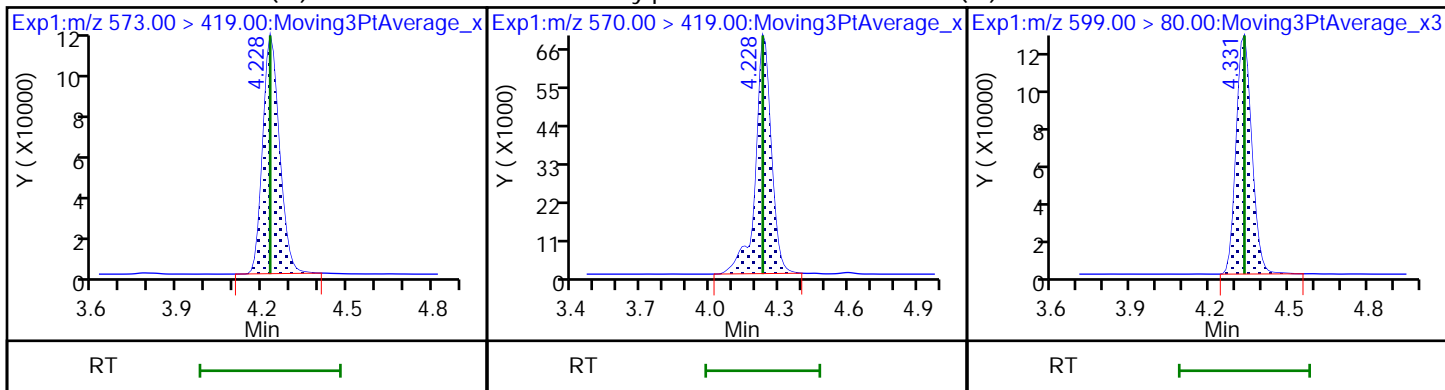
D 19 13C5 PFNA





D 27 d3-NMeFOSAA (M)

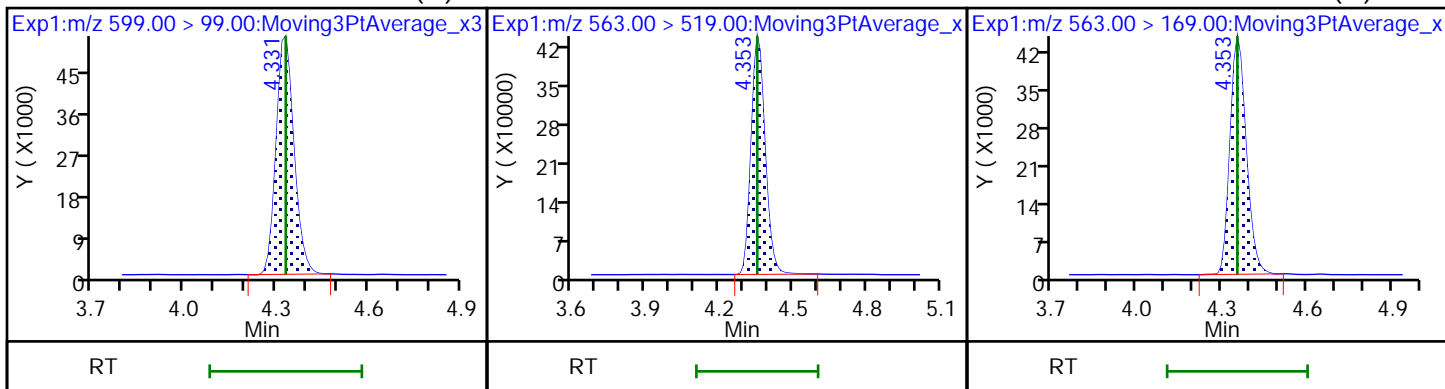
28 N-methylperfluorooctanesulfonami (M) 29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid (M)

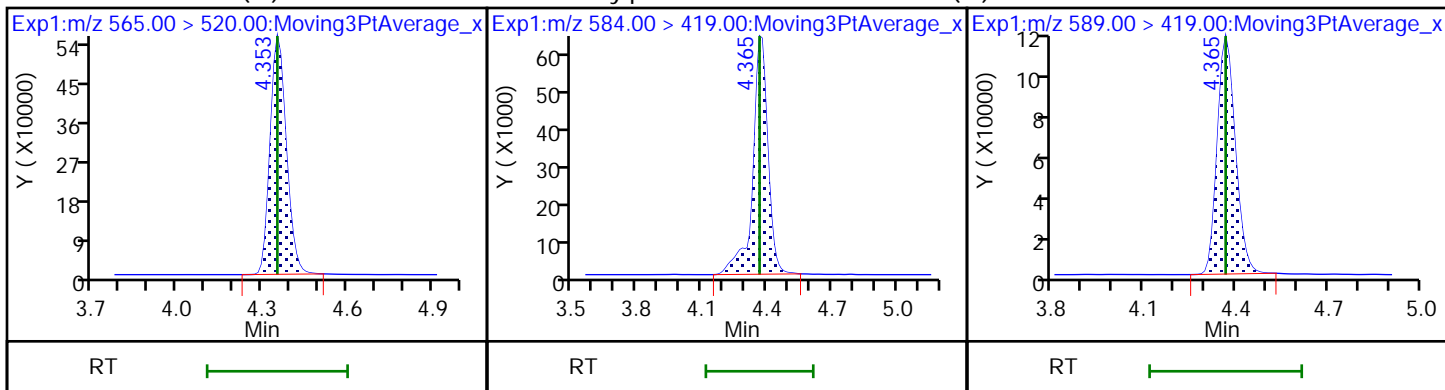
31 Perfluoroundecanoic acid

31 Perfluoroundecanoic acid (M)



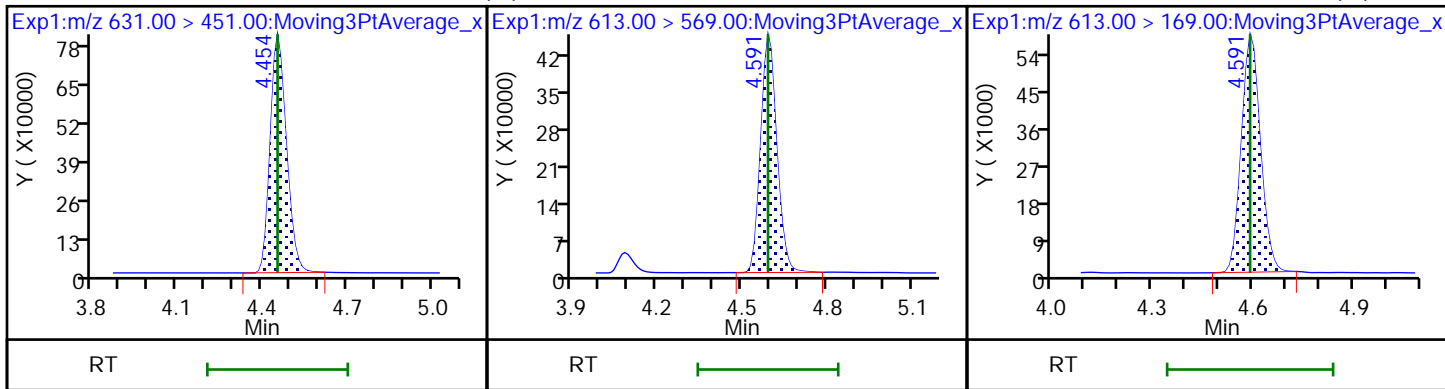
D 30 13C2 PFUnA (M)

33 N-ethylperfluorooctanesulfonamid (M) 32 d5-NEtFOSAA



66 11-Chloroeicosafluoro-3-oxaundec (M) 37 Perfluorododecanoic acid

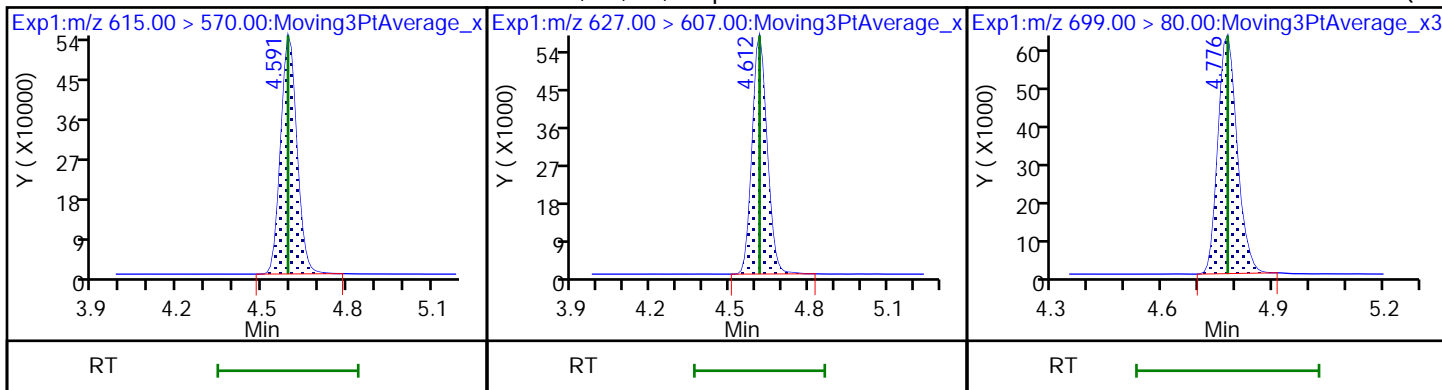
37 Perfluorododecanoic acid (M)



D 36 13C2 PFD0a

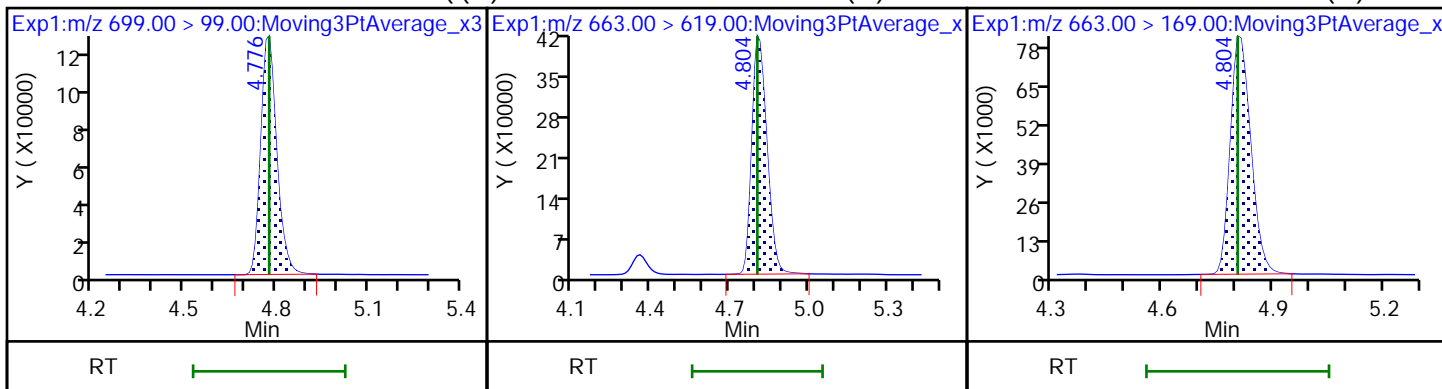
74 1H,1H,2H,2H-perfluorododecanesul

75 Perfluorododecanesulfonic acid (



75 Perfluorododecanesulfonic acid ((M) 41 Perfluorotridecanoic acid (M)

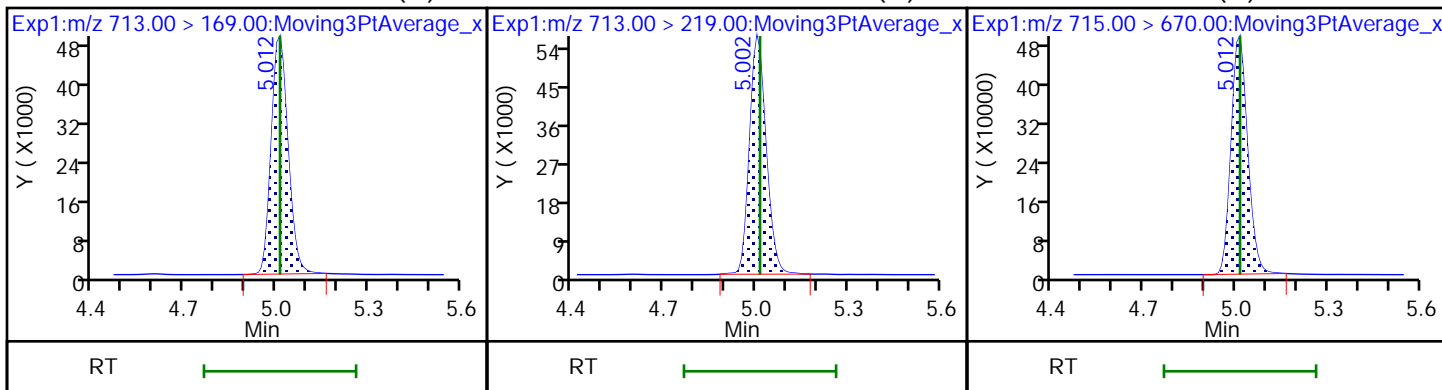
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

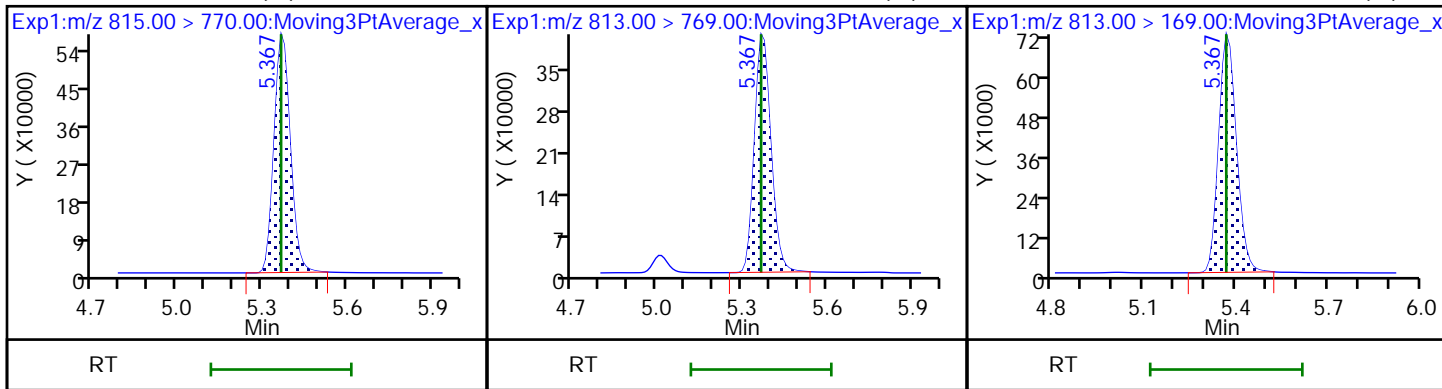
D 43 13C2 PFTeDA (M)



D 44 13C2 PFHxDA (M)

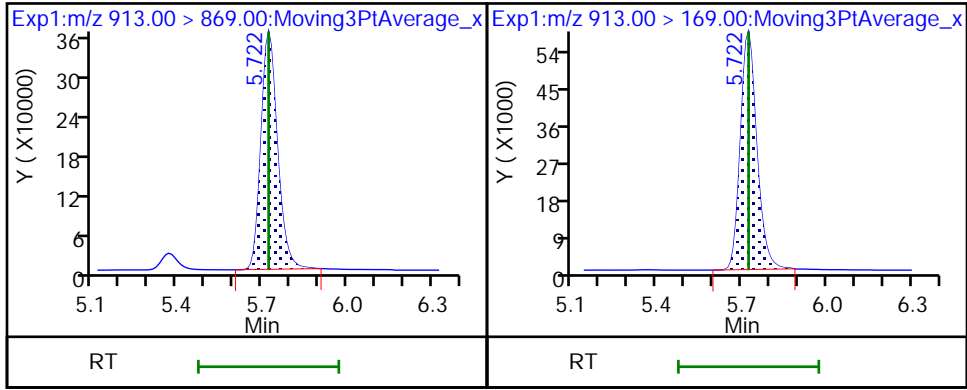
45 Perfluorohexadecanoic acid (M)

45 Perfluorohexadecanoic acid (M)



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

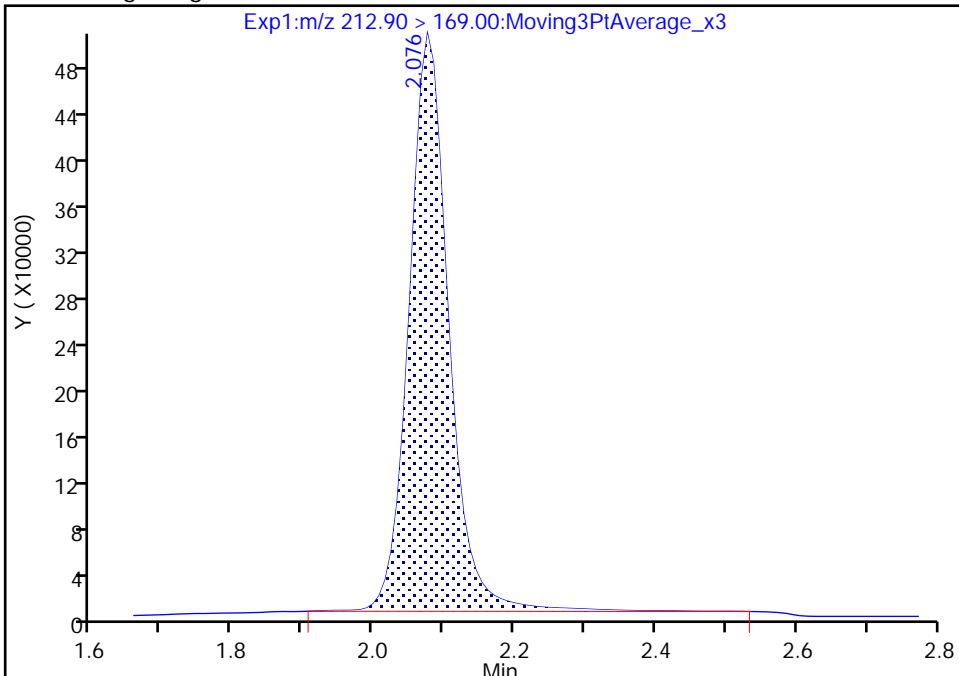
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

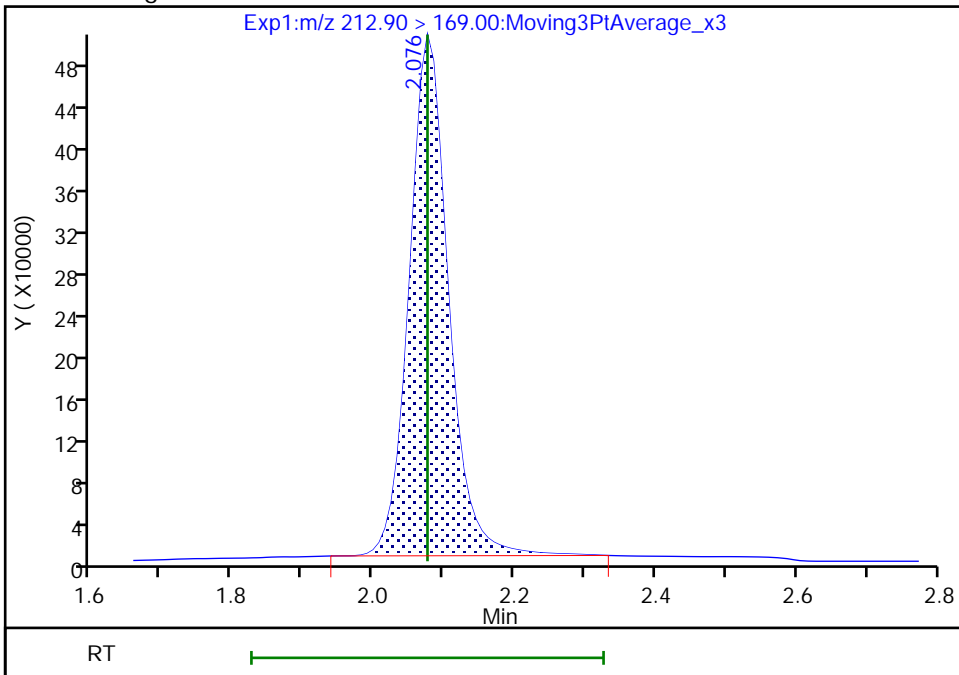
RT: 2.08
Area: 1938856
Amount: 0.884944
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 1911392
Amount: 0.914020
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:05:52
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

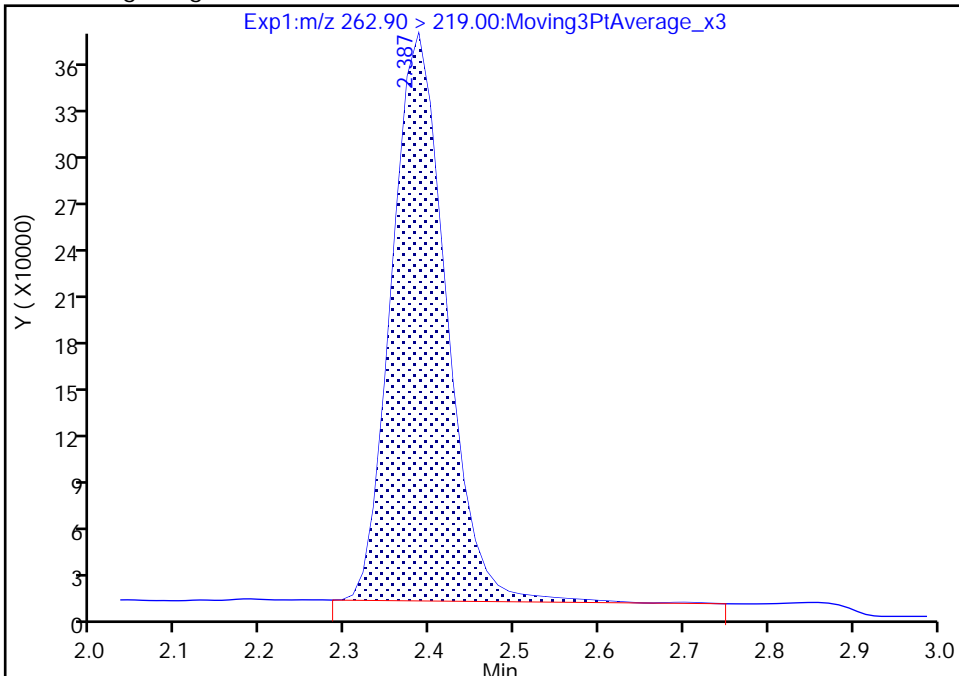
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

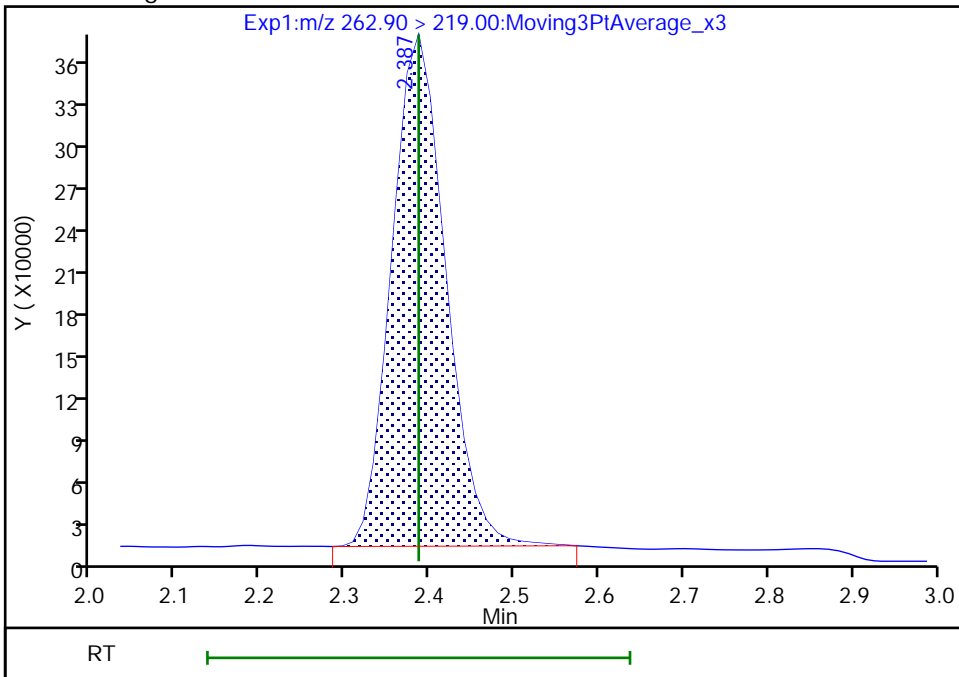
RT: 2.39
Area: 1625686
Amount: 0.903106
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 1602160
Amount: 0.929116
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:05:58
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

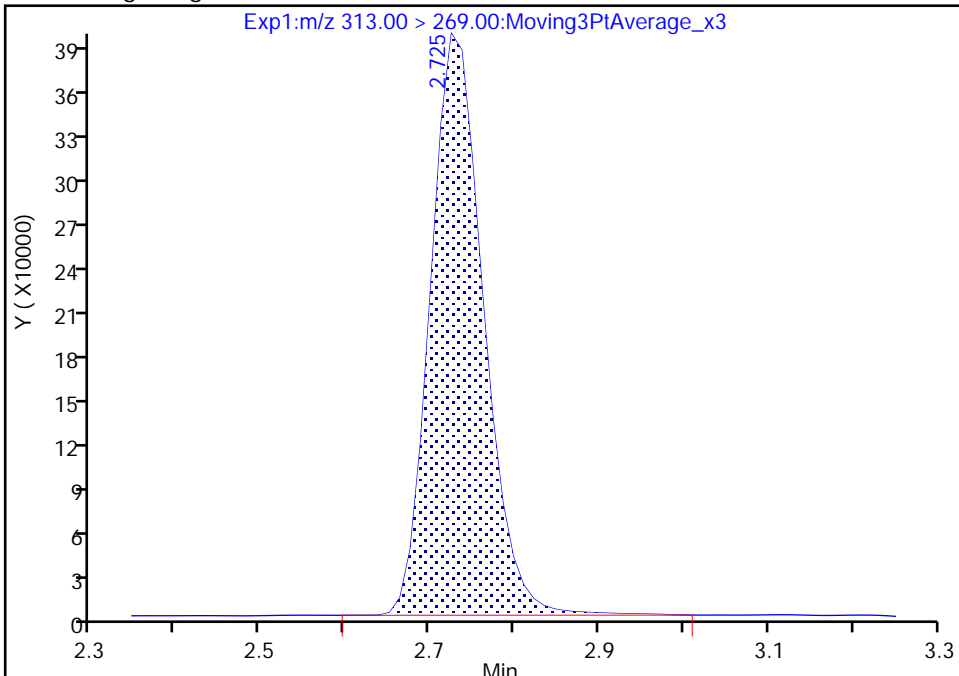
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

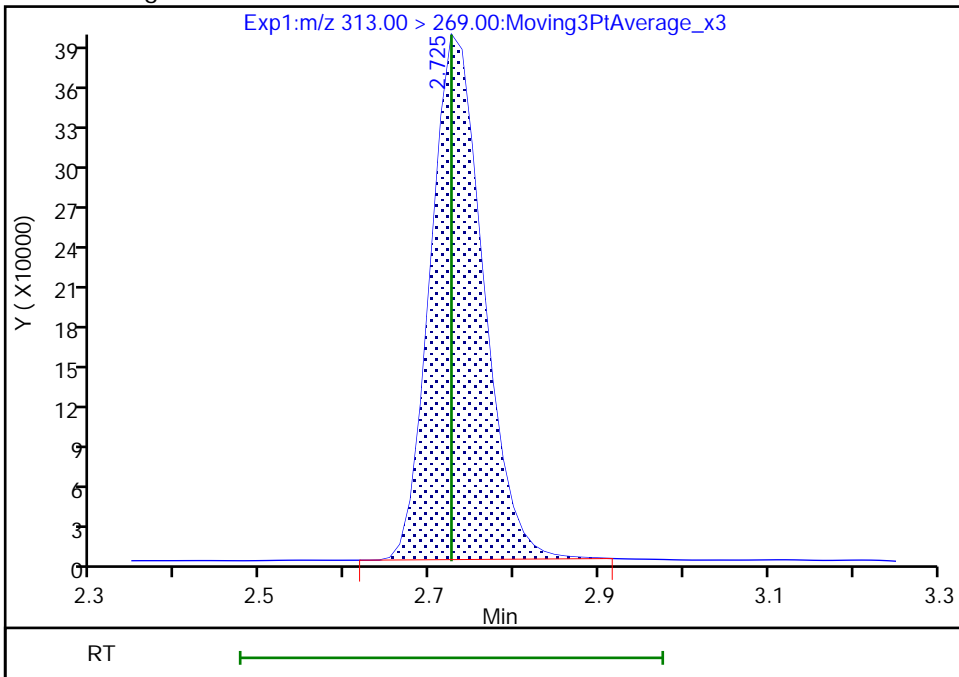
RT: 2.73
Area: 1717760
Amount: 0.925315
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 1703495
Amount: 0.950815
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:06:10
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

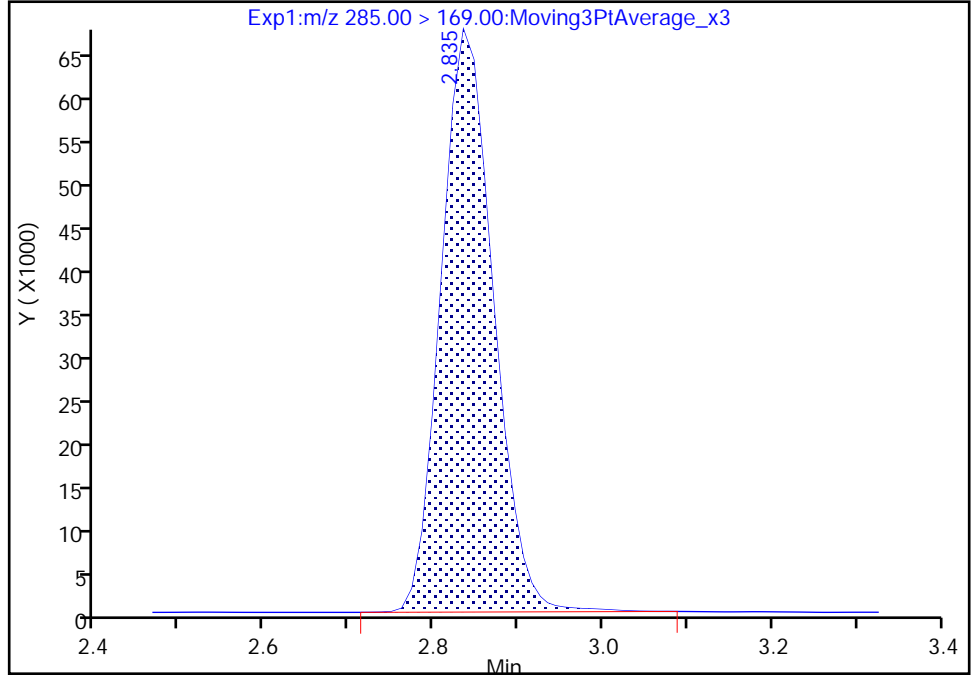
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

67 Perfluoro(2-propoxypropanoic) ac, CAS: 13252-13-6

Signal: 1

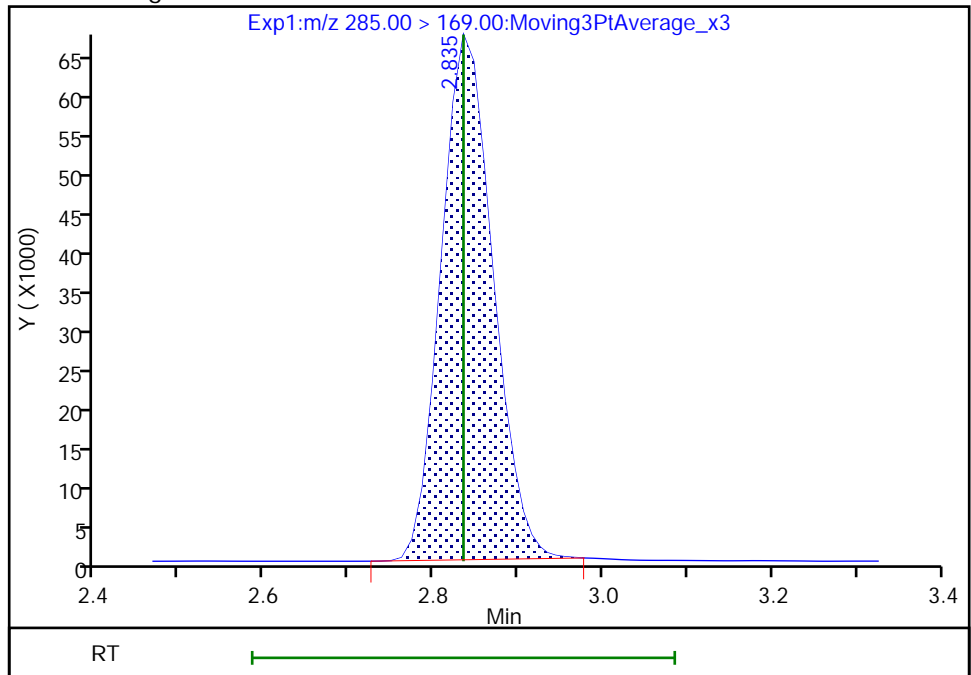
RT: 2.83
Area: 290381
Amount: 0.890585
Amount Units: ng/ml

Processing Integration Results



RT: 2.83
Area: 286947
Amount: 0.910963
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:06:17
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

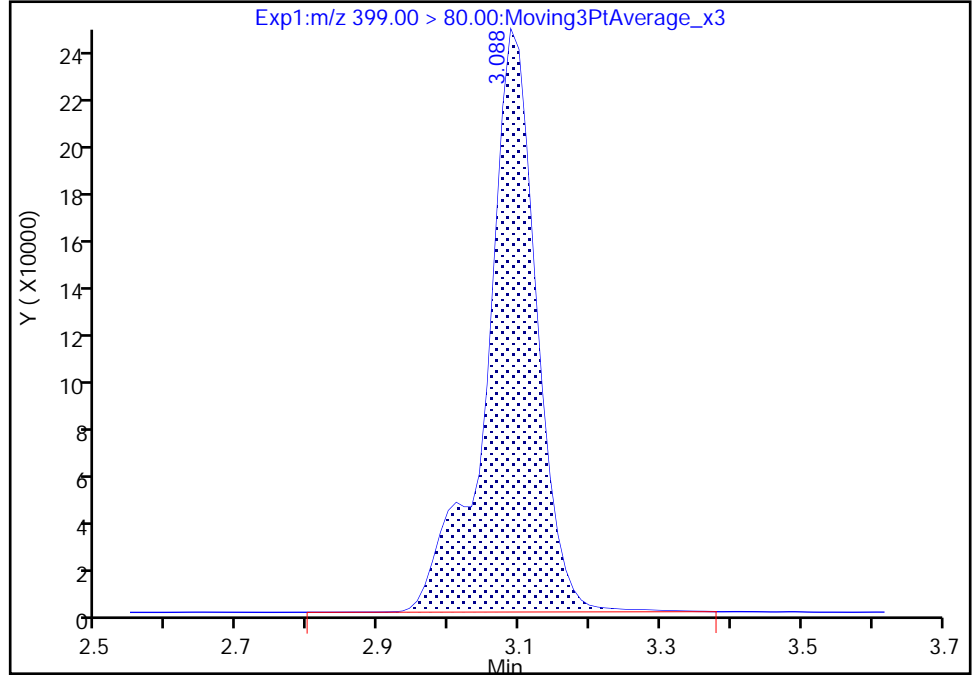
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

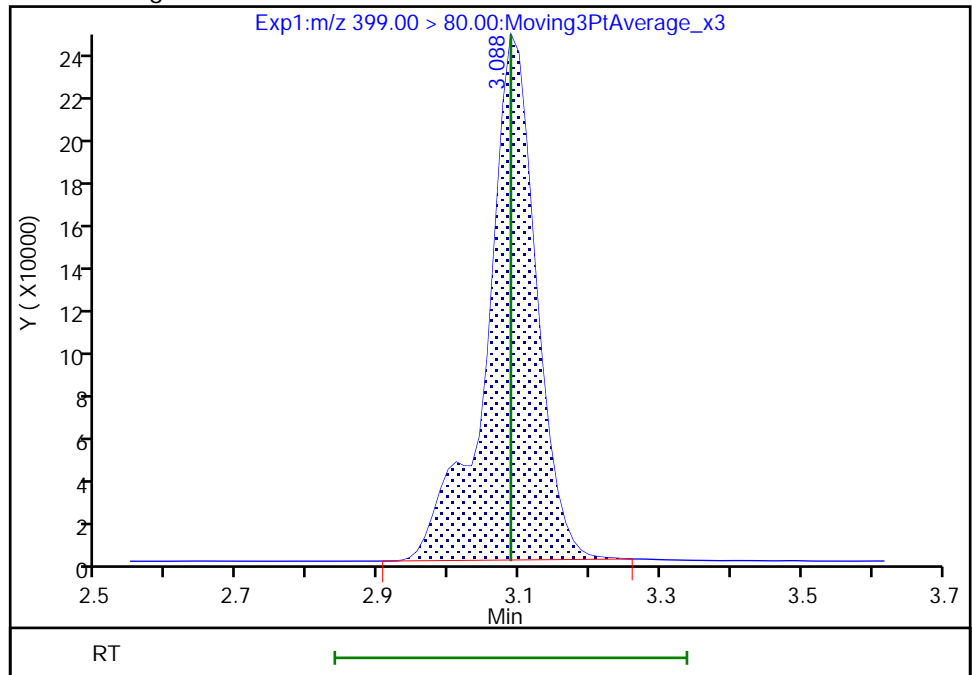
RT: 3.09
Area: 1192403
Amount: 0.844733
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 1180858
Amount: 0.853808
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:06:27
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

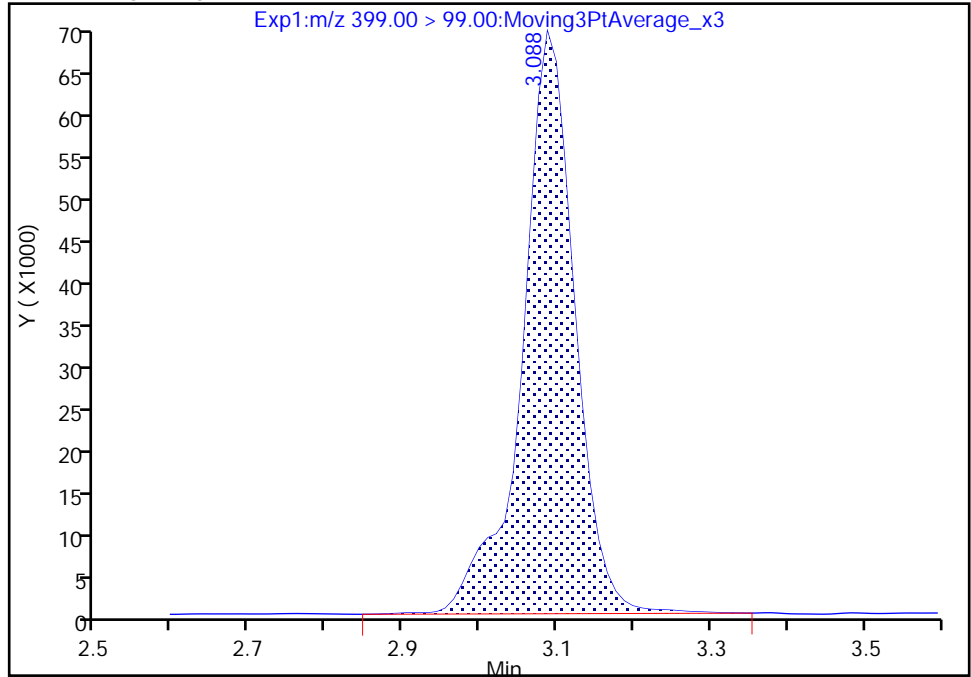
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

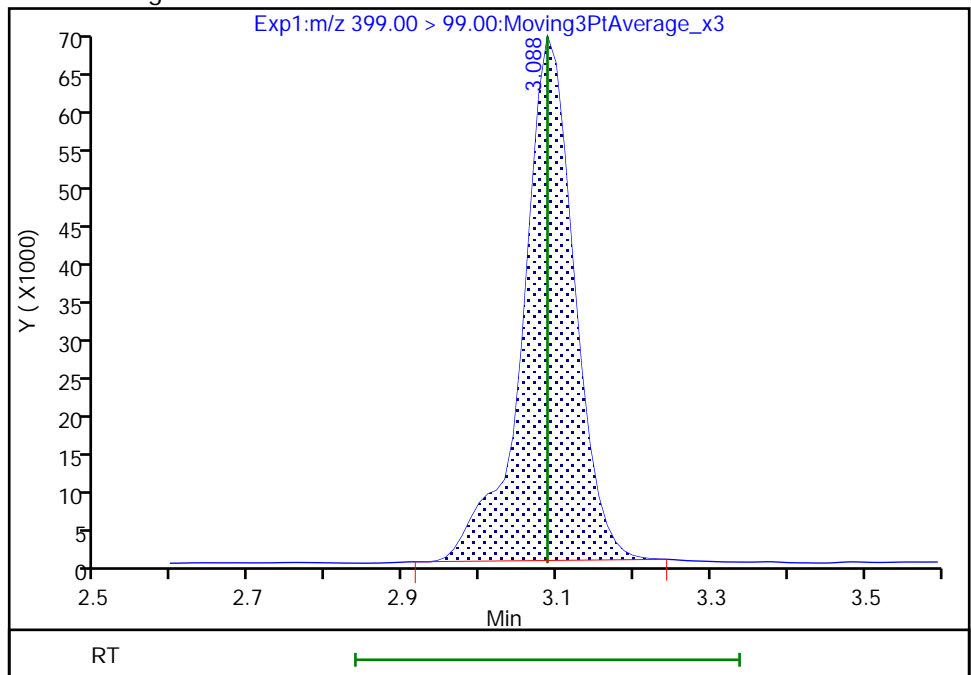
RT: 3.09
Area: 329620
Amount: 0.844733
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 322894
Amount: 0.853808
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:06:30

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

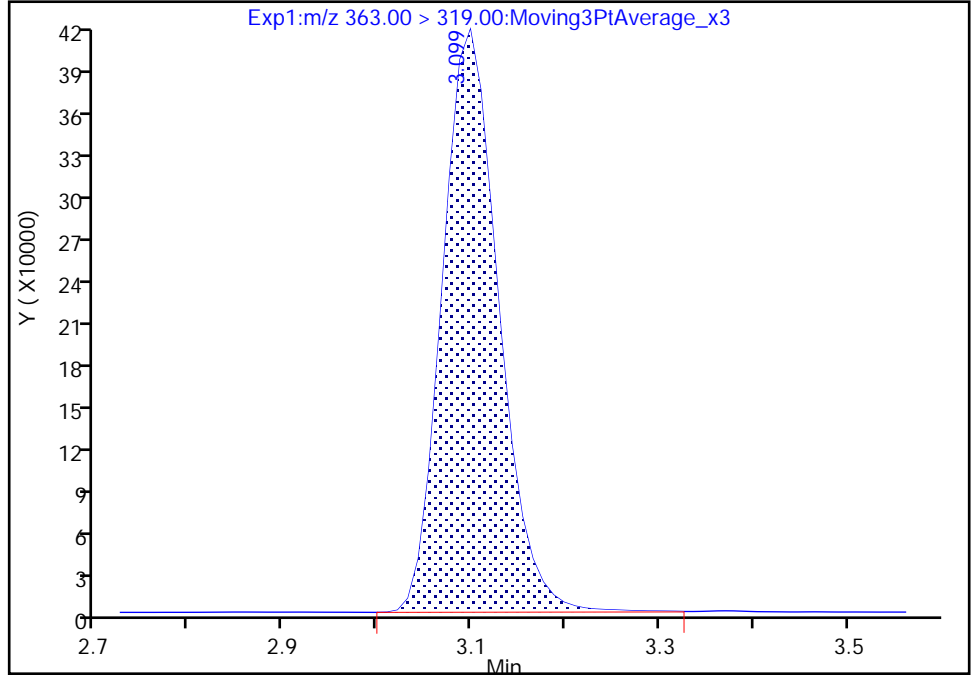
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

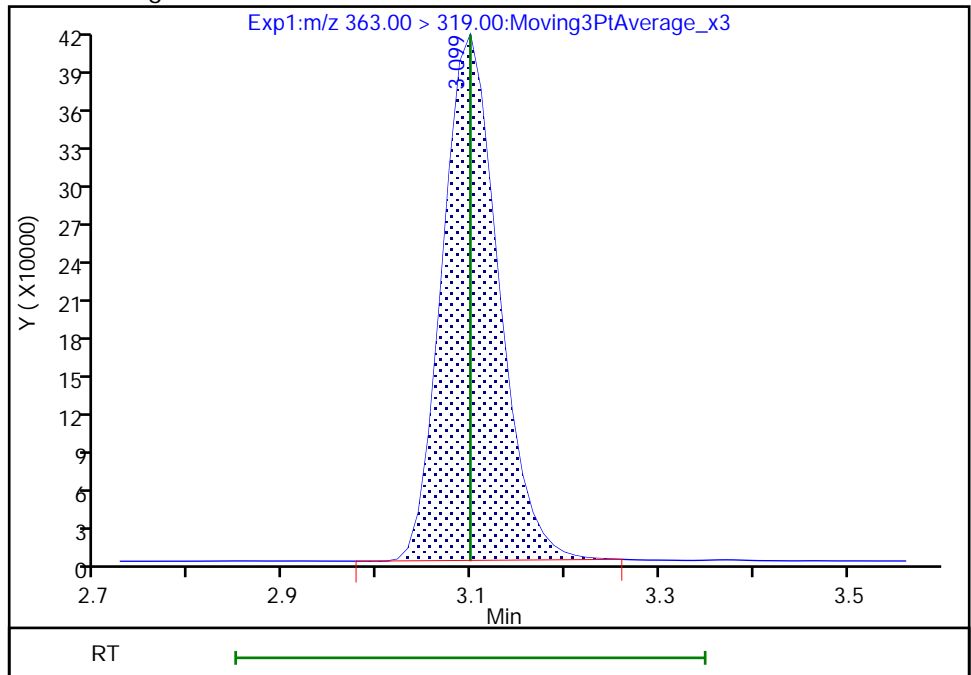
RT: 3.10
Area: 1732207
Amount: 0.896761
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 1718424
Amount: 0.929257
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:06:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

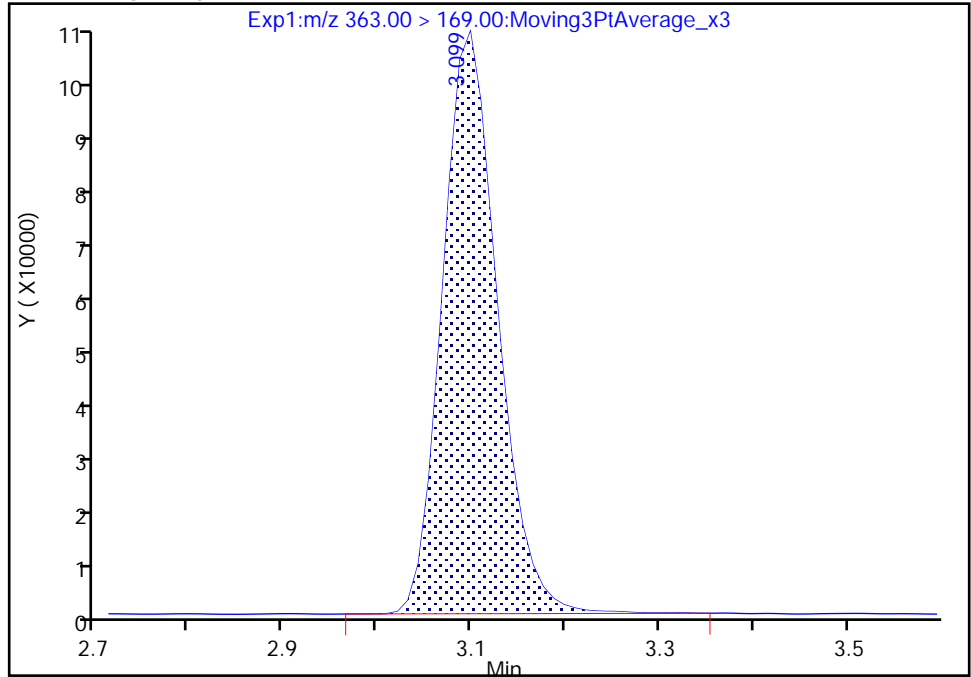
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

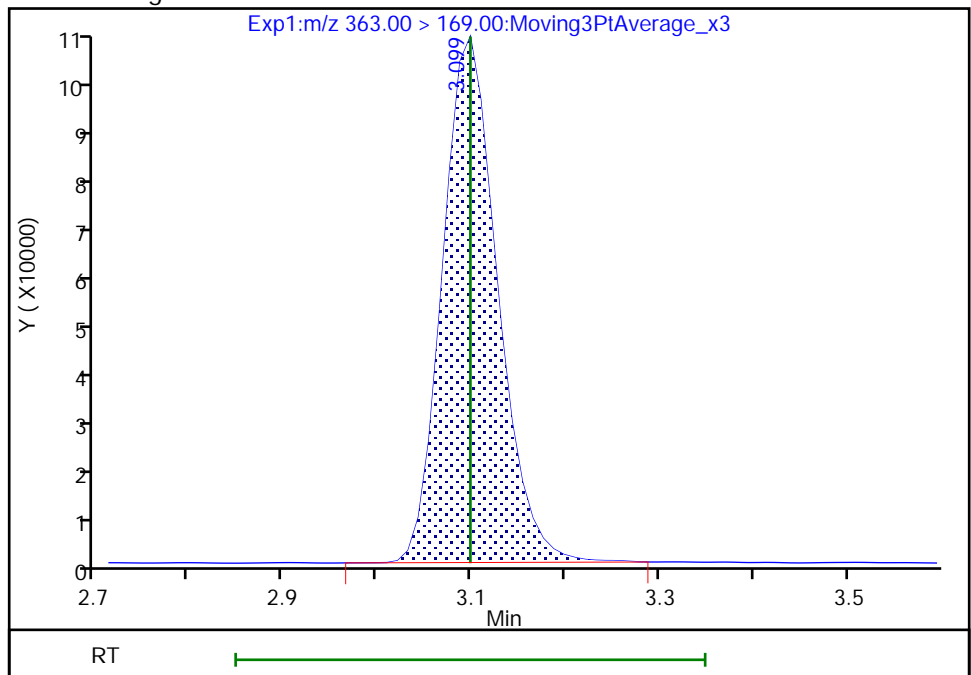
RT: 3.10
Area: 434169
Amount: 0.896761
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 433271
Amount: 0.929257
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:06:41

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

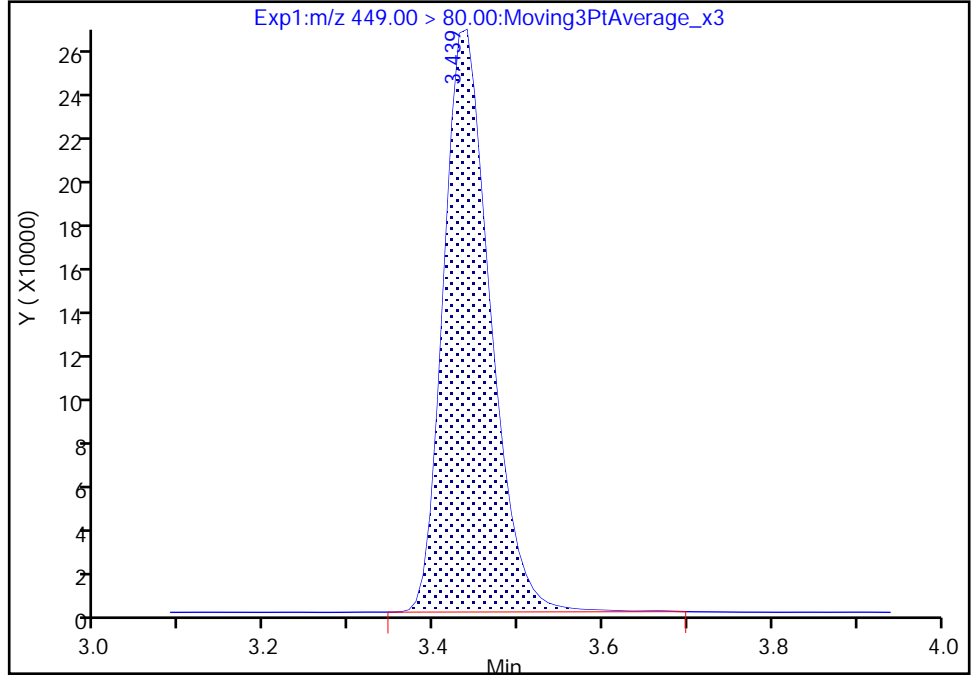
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

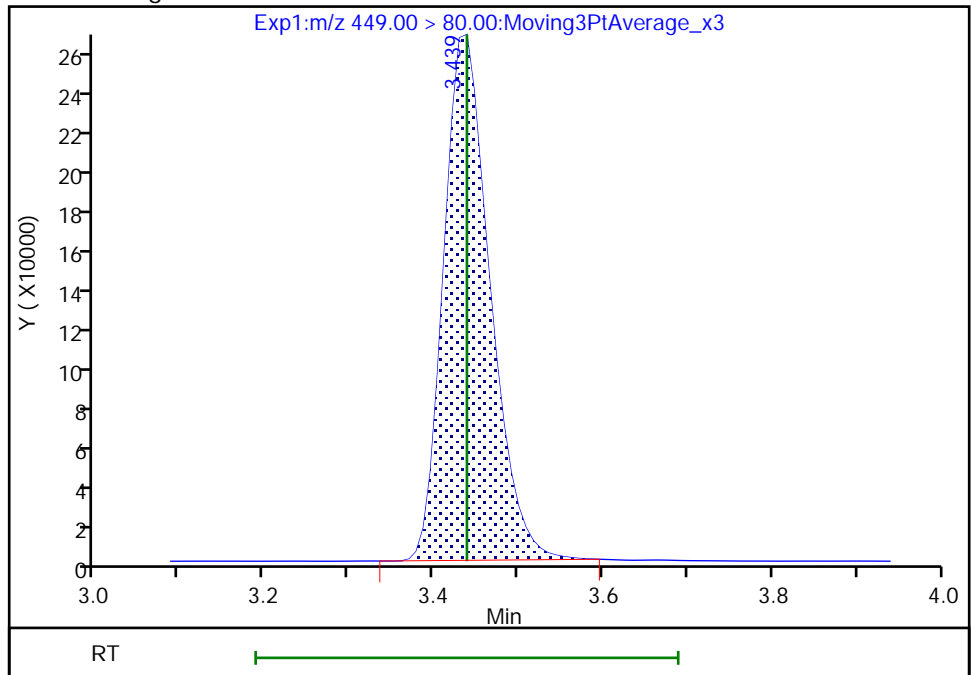
RT: 3.44
Area: 1029711
Amount: 0.878234
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 1021904
Amount: 0.903742
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:06:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

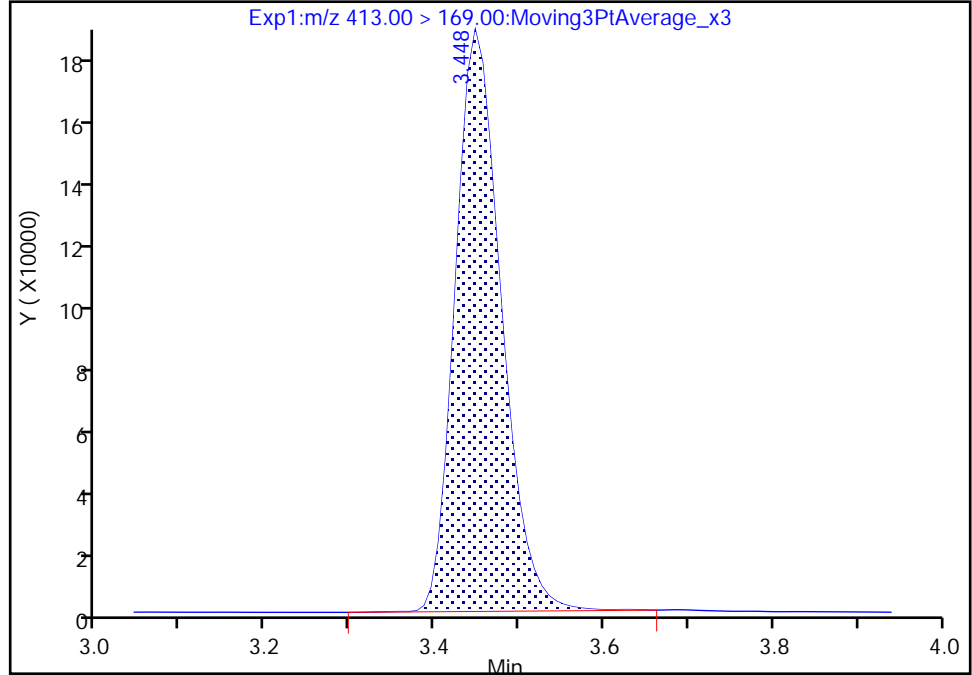
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

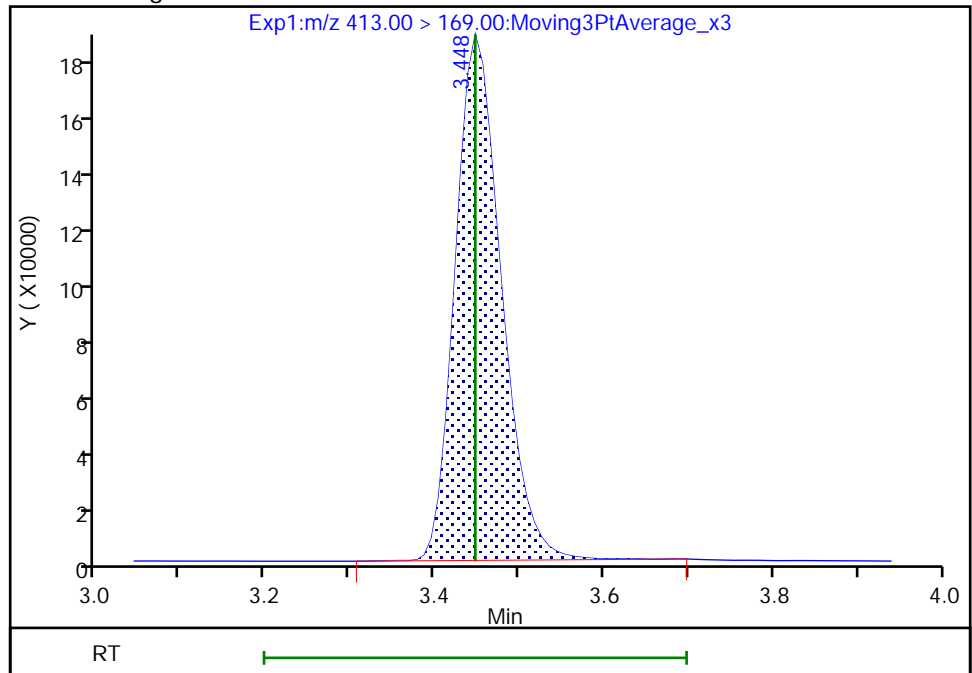
RT: 3.45
Area: 697013
Amount: 0.942395
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 696928
Amount: 0.971476
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:07:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

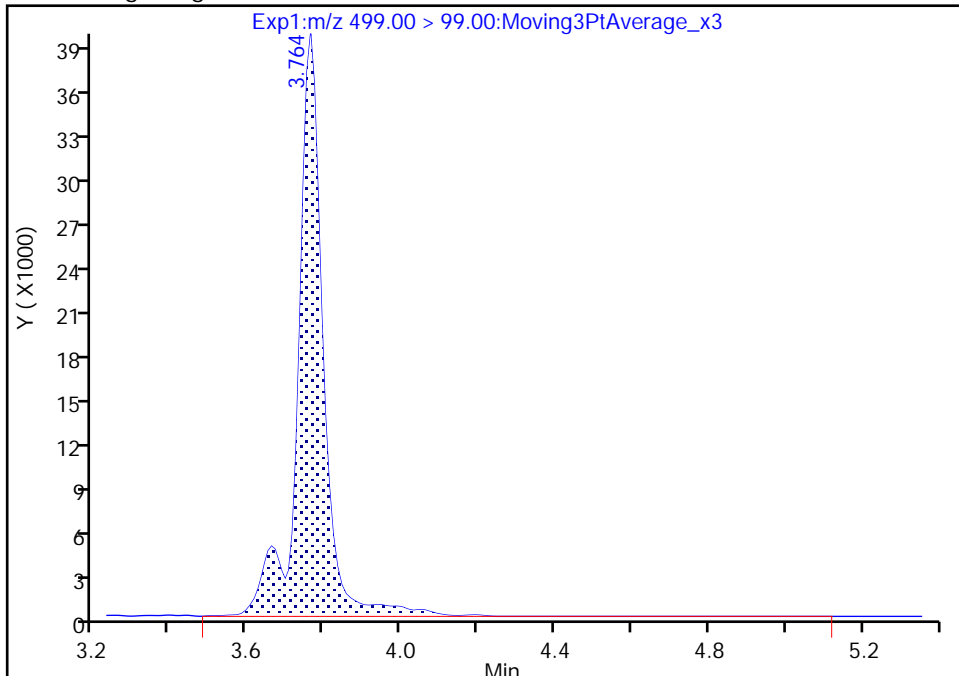
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

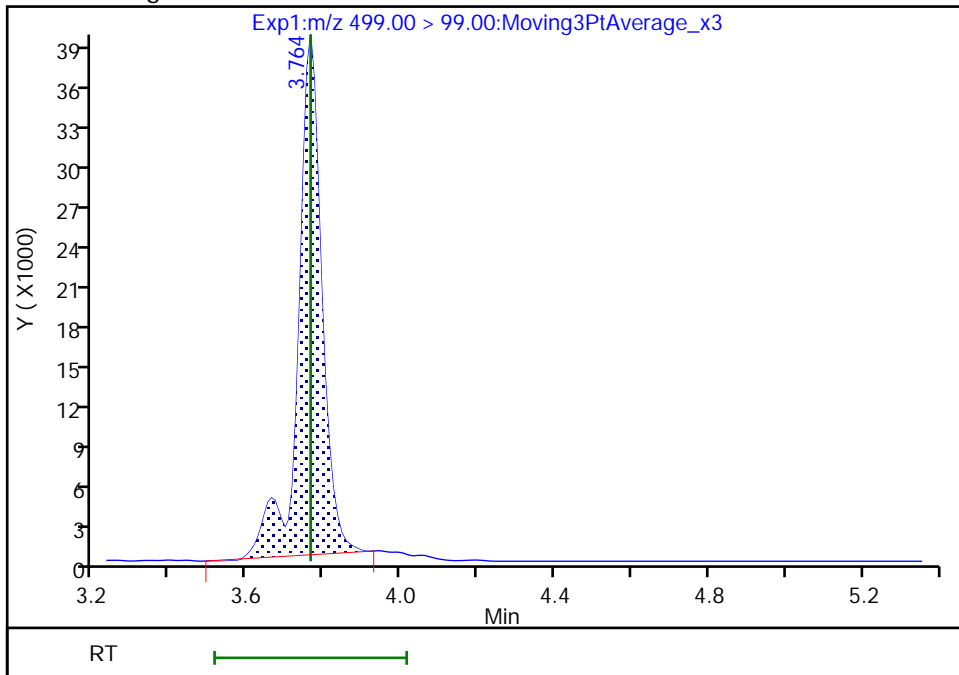
RT: 3.76
Area: 184243
Amount: 0.869089
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 167691
Amount: 0.869962
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:07:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

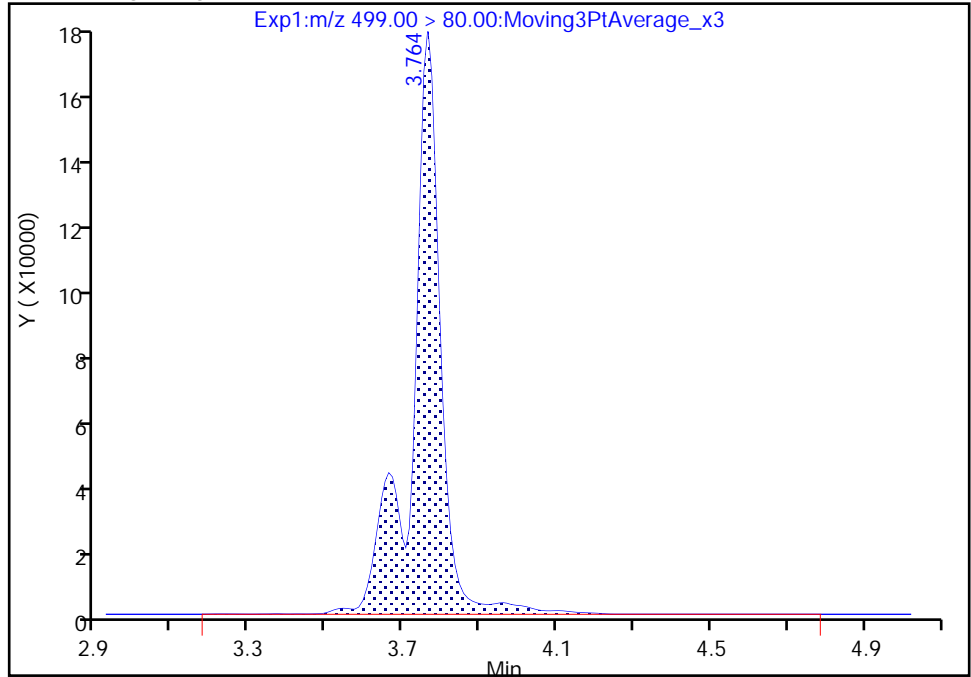
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

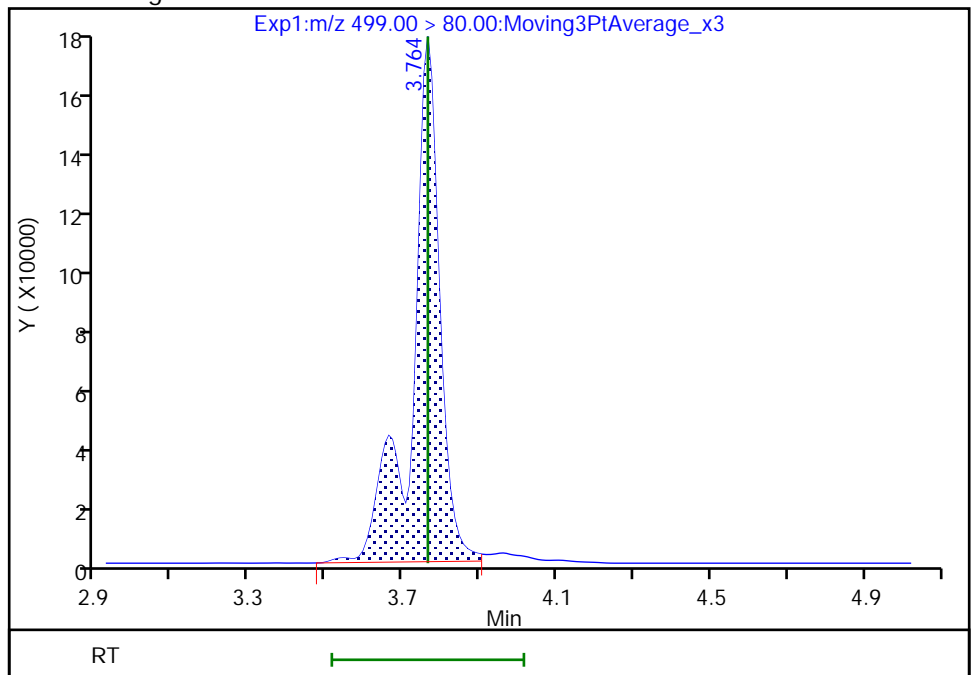
RT: 3.76
Area: 896764
Amount: 0.869089
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 856526
Amount: 0.869962
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:09:54

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

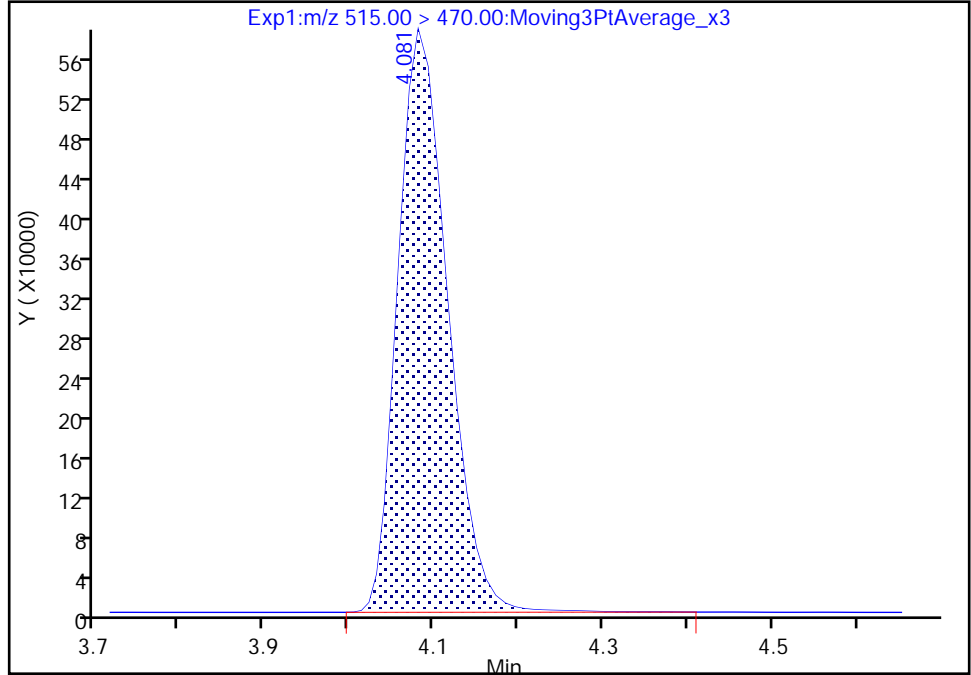
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 23 13C2 PFDA, CAS: STL00996
Signal: 1

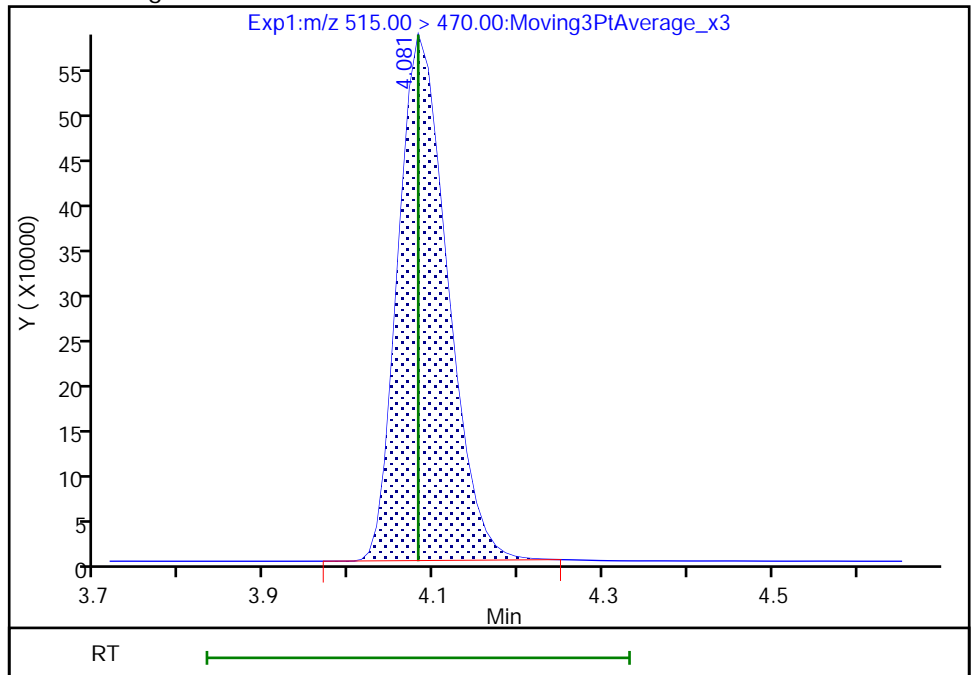
RT: 4.08
Area: 2402943
Amount: 1.278353
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 2384612
Amount: 1.249811
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:07:21
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

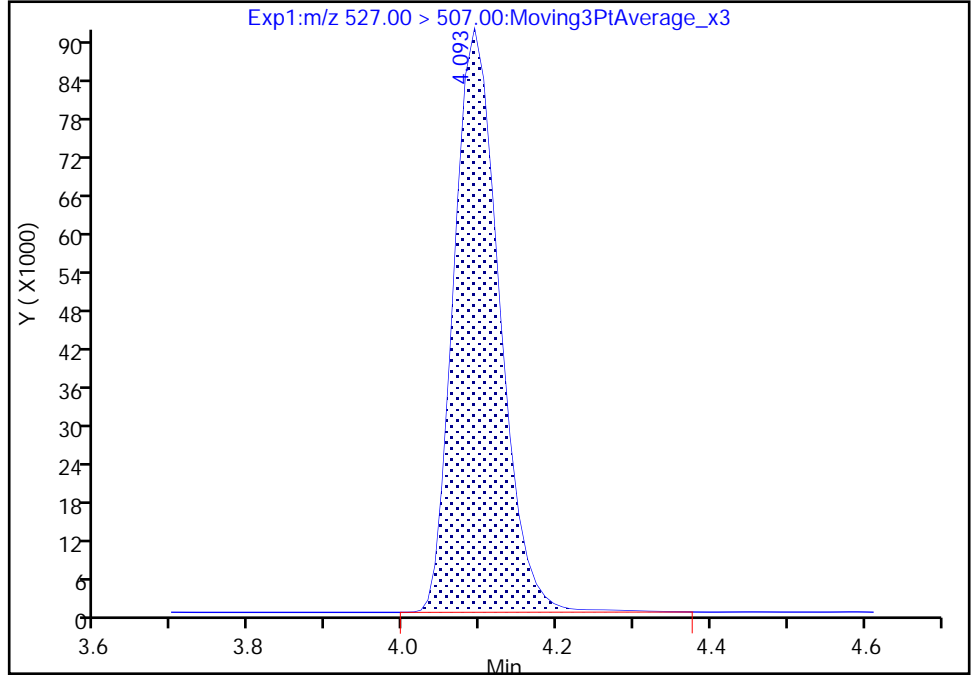
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

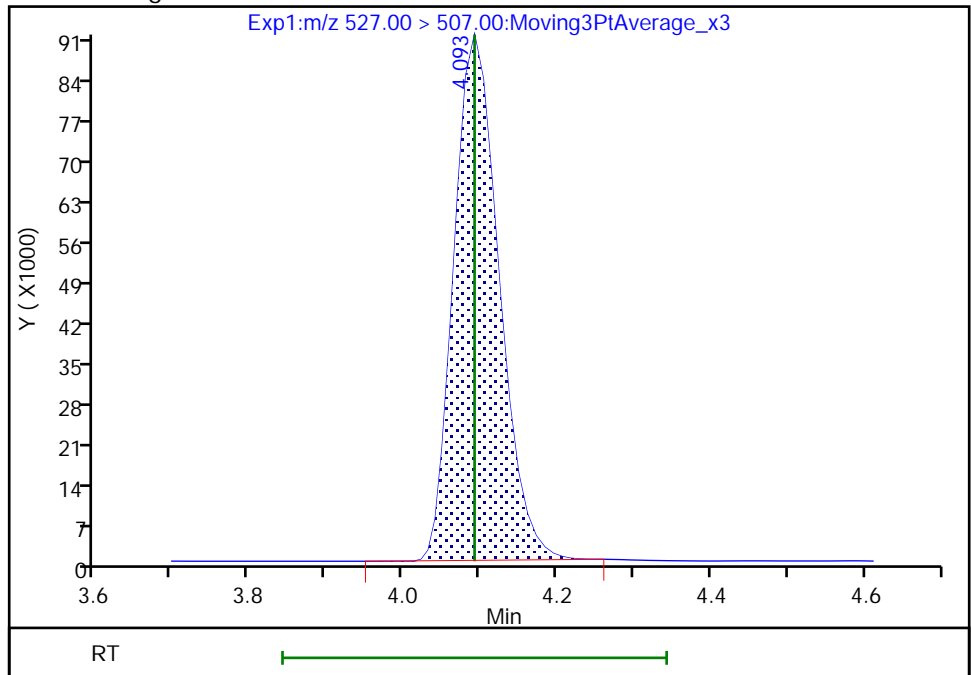
RT: 4.09
Area: 374620
Amount: 0.906768
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 370895
Amount: 0.914804
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:07:27
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

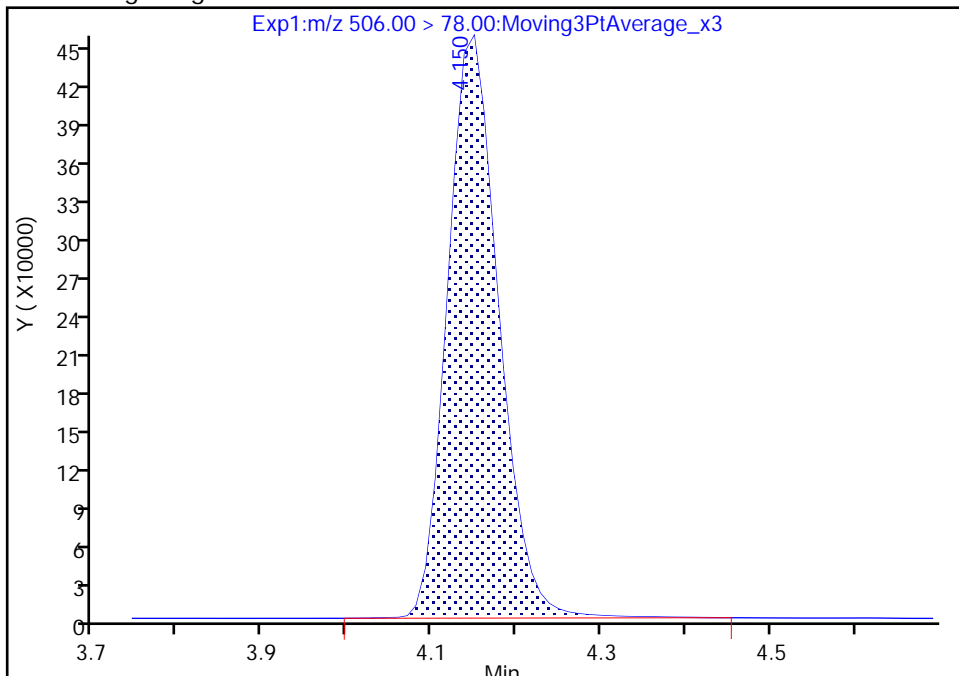
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

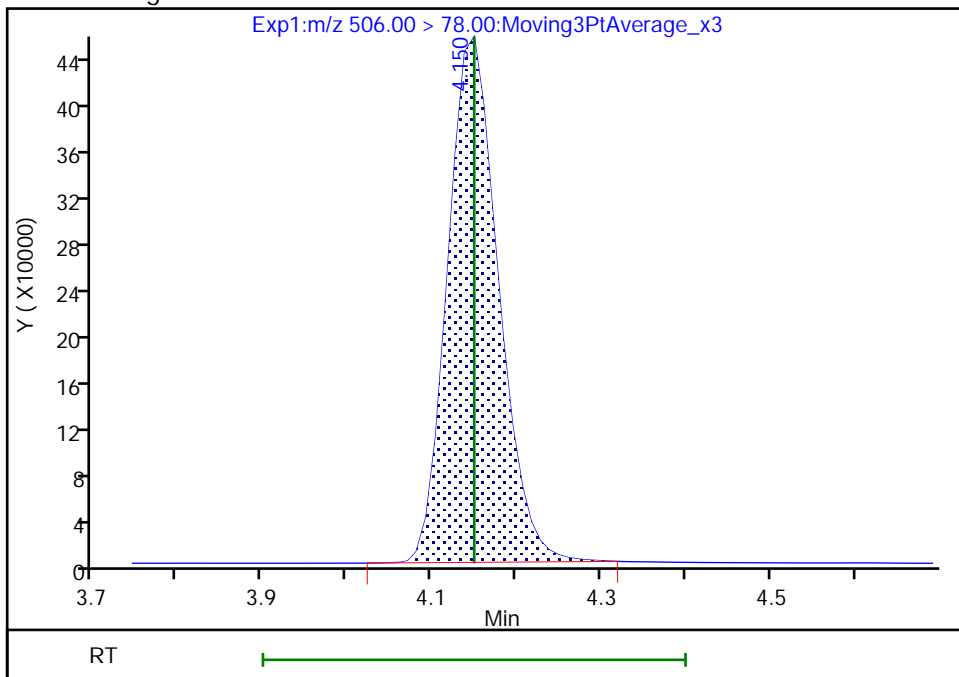
RT: 4.15
Area: 1894765
Amount: 1.237228
Amount Units: ng/ml

Processing Integration Results



RT: 4.15
Area: 1879604
Amount: 1.201614
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:07:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

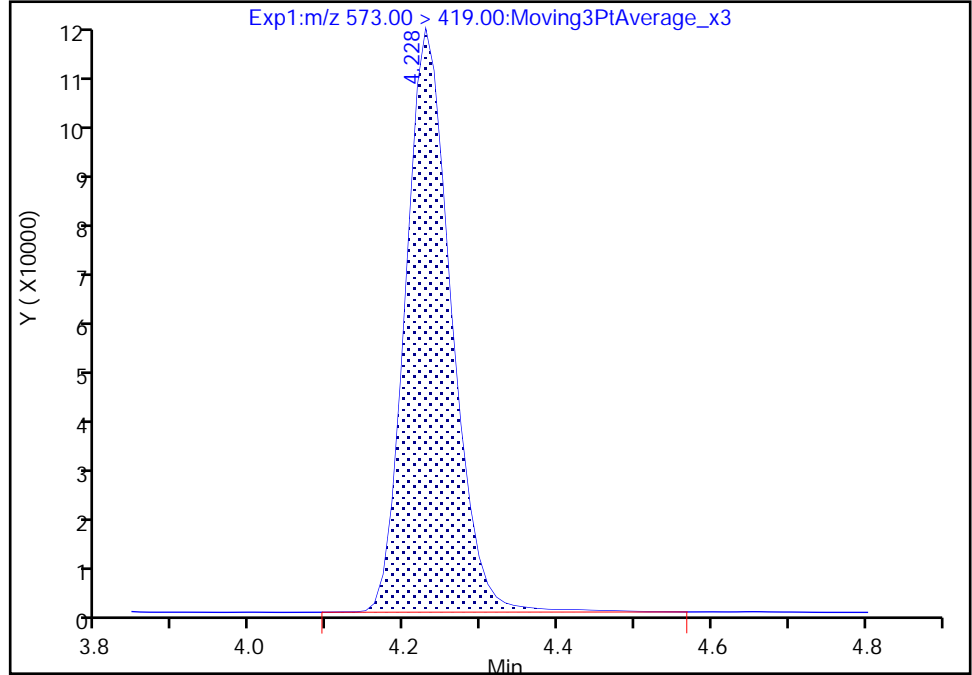
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118
Signal: 1

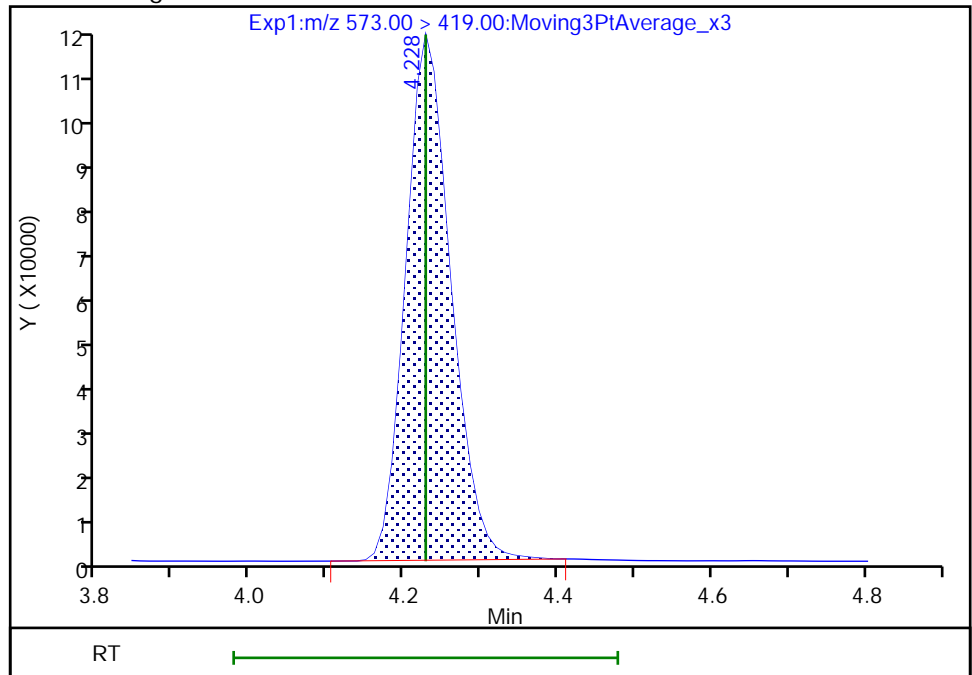
RT: 4.23
Area: 475916
Amount: 1.264715
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 470154
Amount: 1.210231
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:07:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

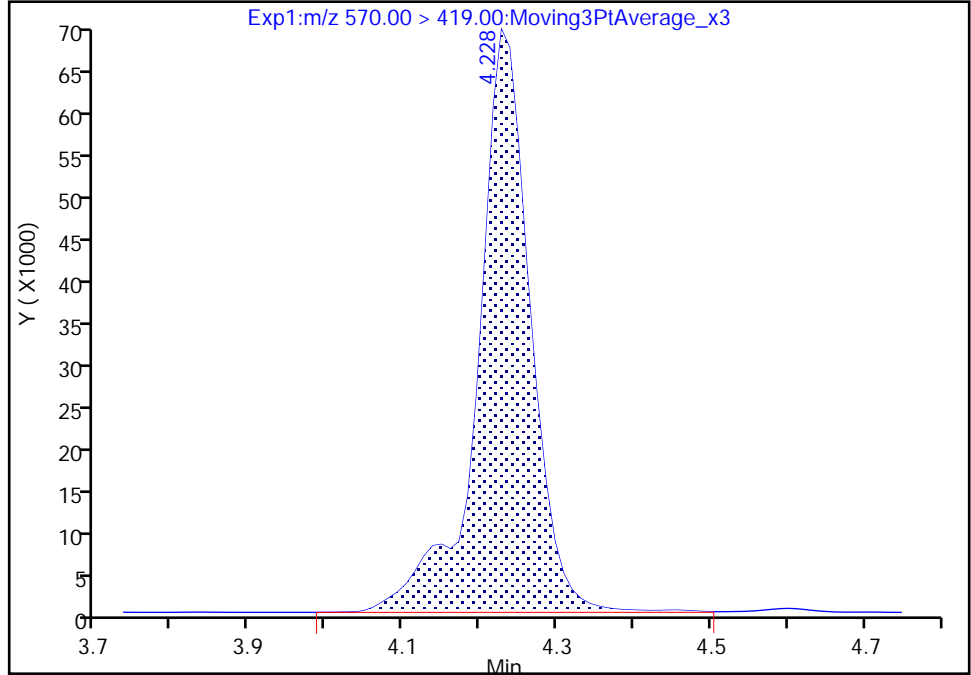
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

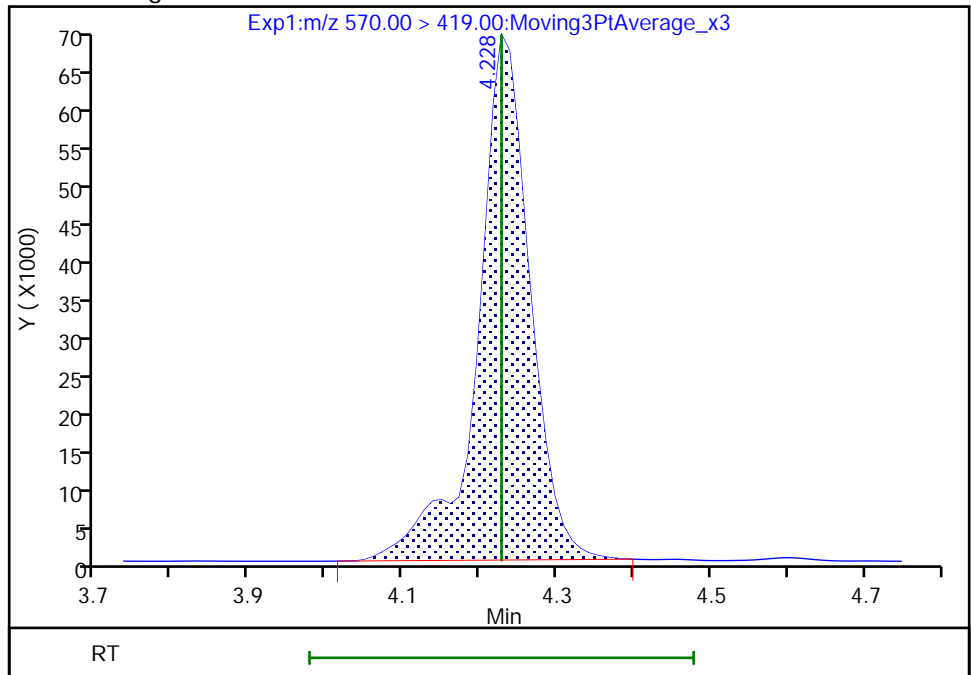
RT: 4.23
Area: 329390
Amount: 0.922352
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 324897
Amount: 0.992512
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:07:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

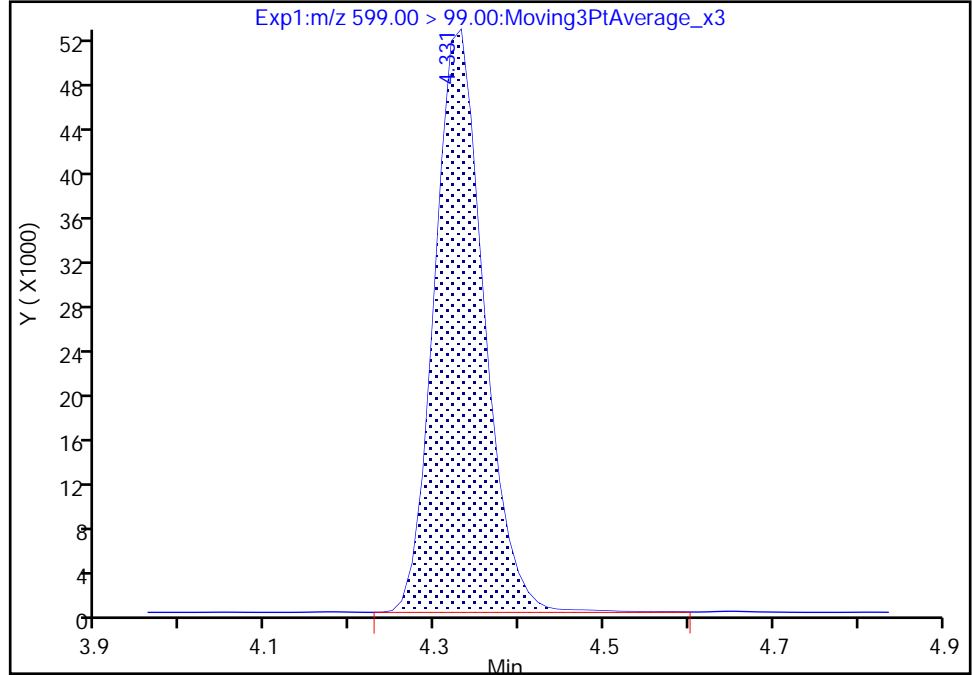
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

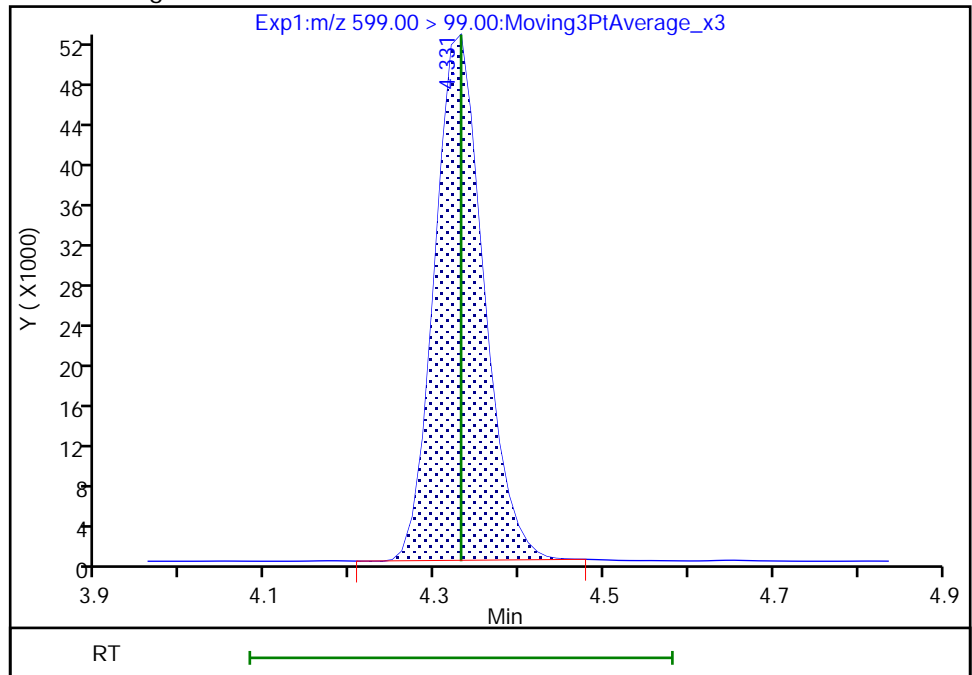
RT: 4.33
Area: 213157
Amount: 0.885111
Amount Units: ng/ml

Processing Integration Results



RT: 4.33
Area: 210859
Amount: 0.900485
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:07:55
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

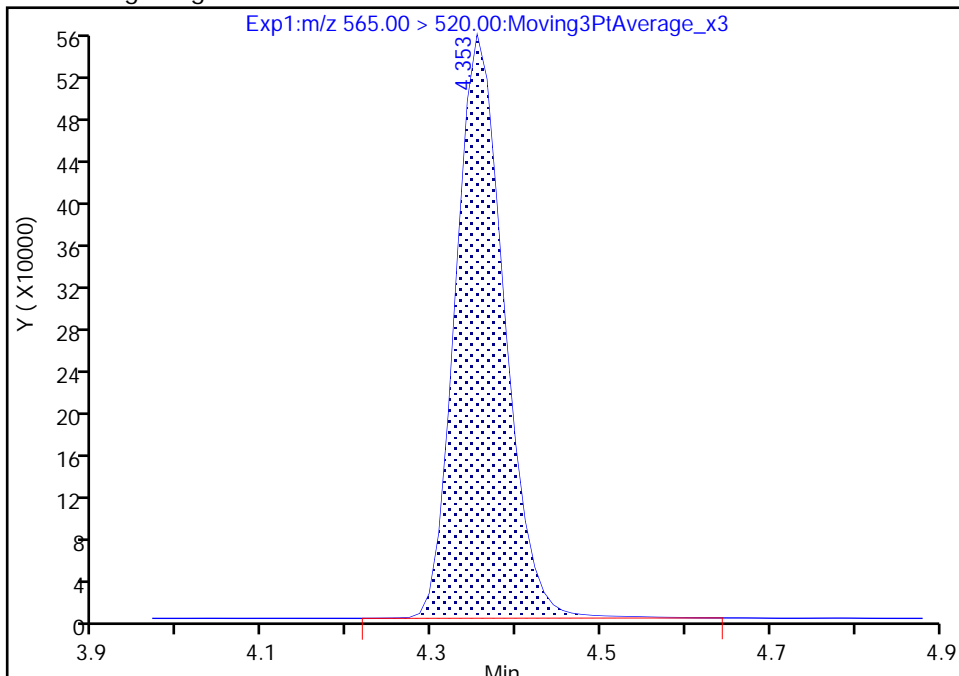
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

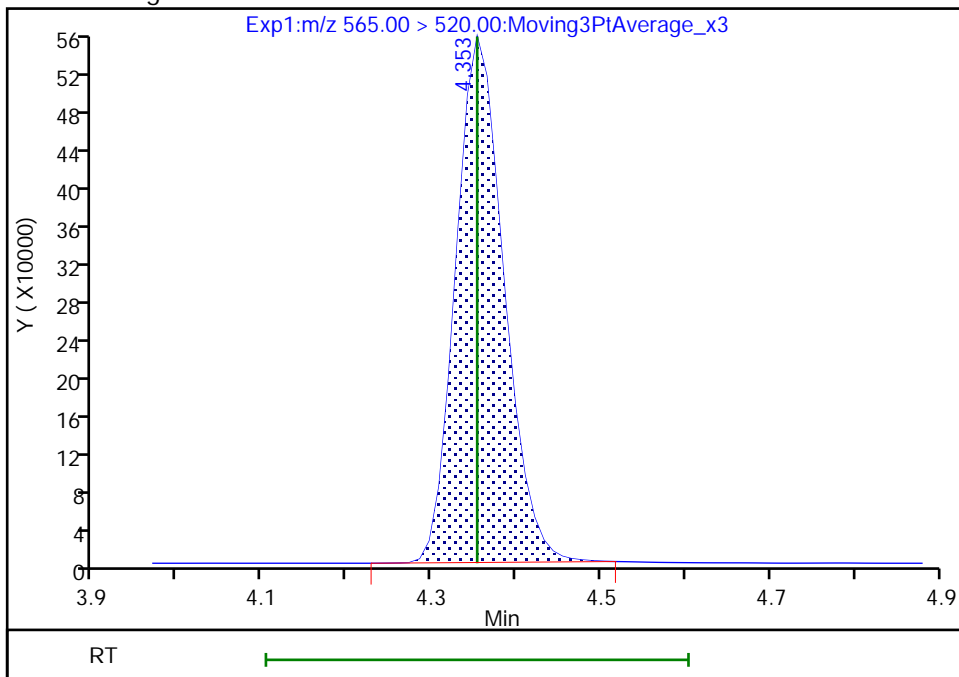
RT: 4.35
Area: 2200966
Amount: 1.263353
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 2183949
Amount: 1.250019
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:08:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

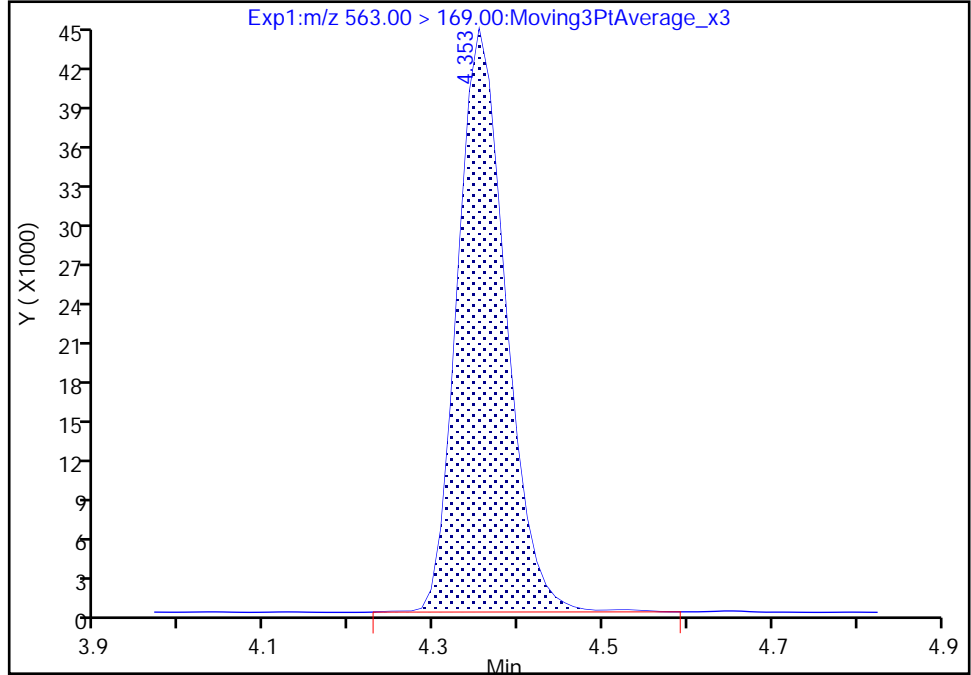
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

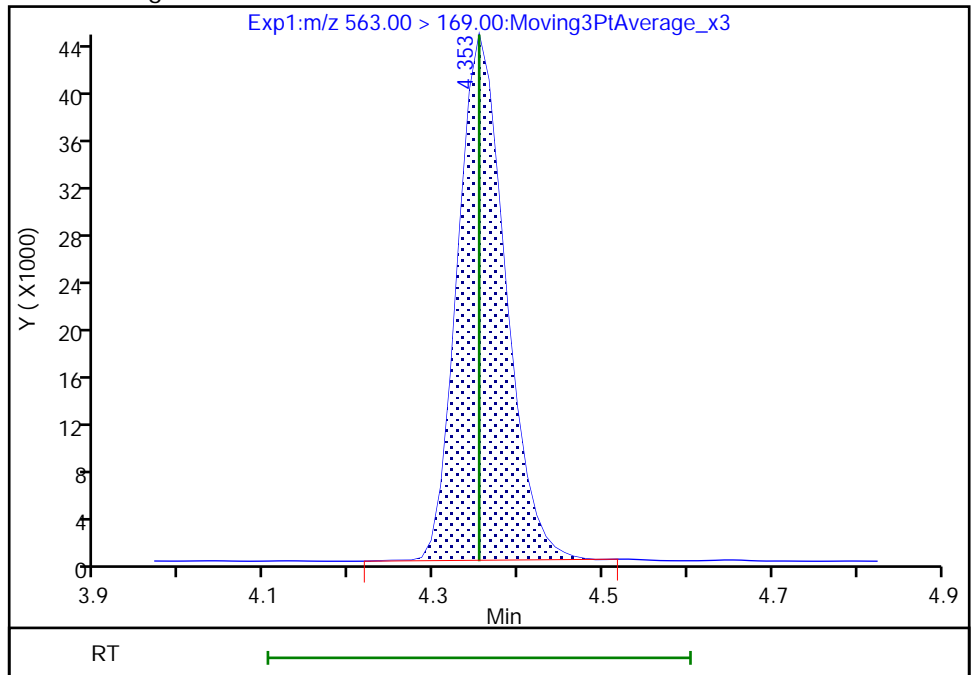
RT: 4.35
Area: 174513
Amount: 0.928435
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 173100
Amount: 0.971351
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:08:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

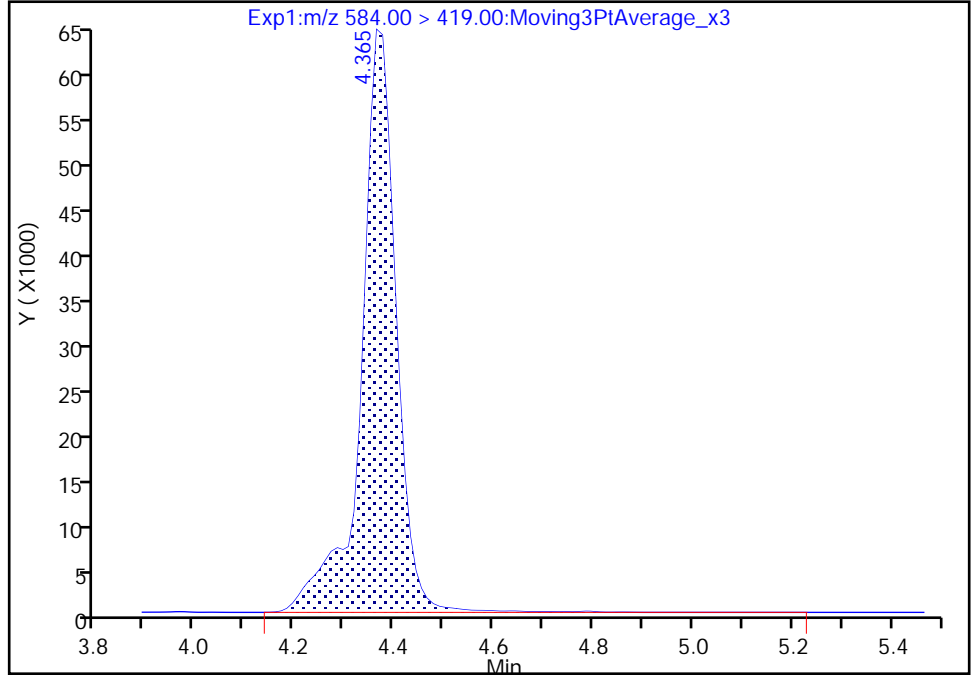
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

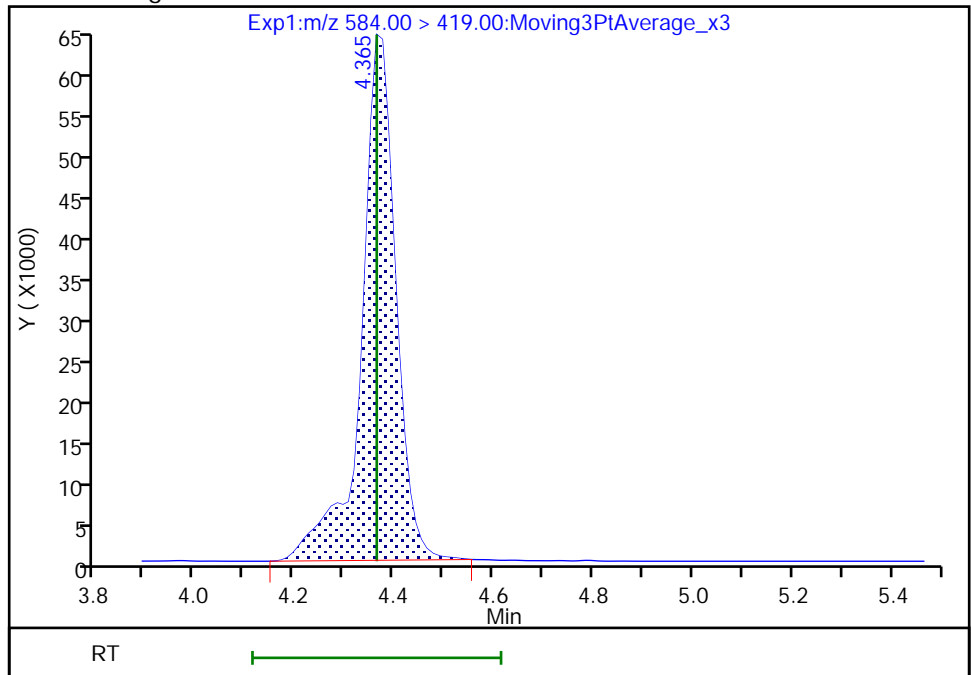
RT: 4.36
Area: 315423
Amount: 0.928970
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 311108
Amount: 0.943580
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:08:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

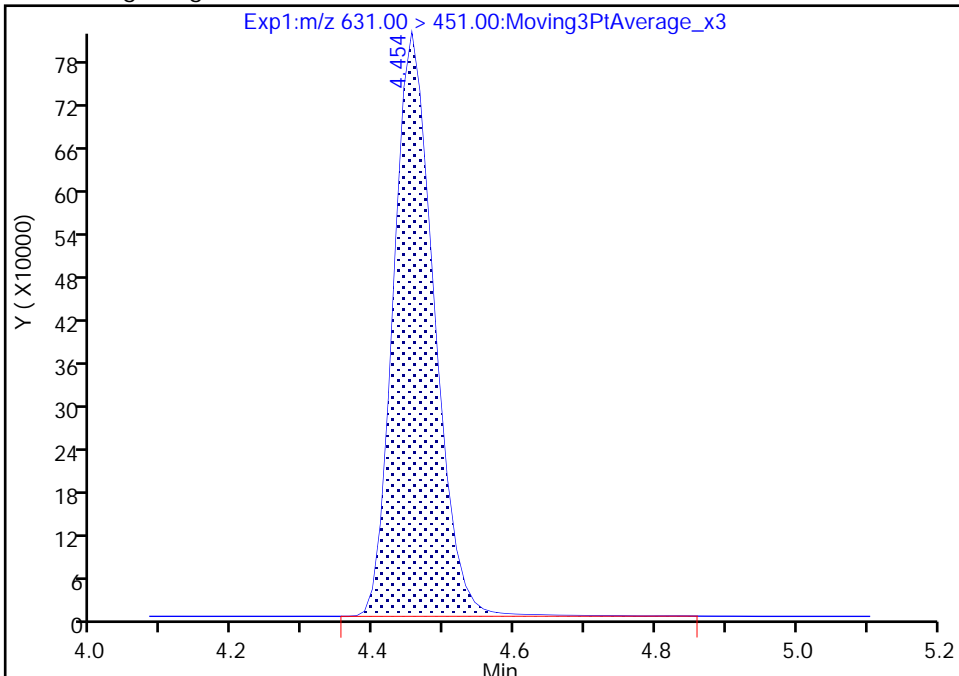
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

66 11-Chloroeicosafuoro-3-oxaundec, CAS: 763051-92-9

Signal: 1

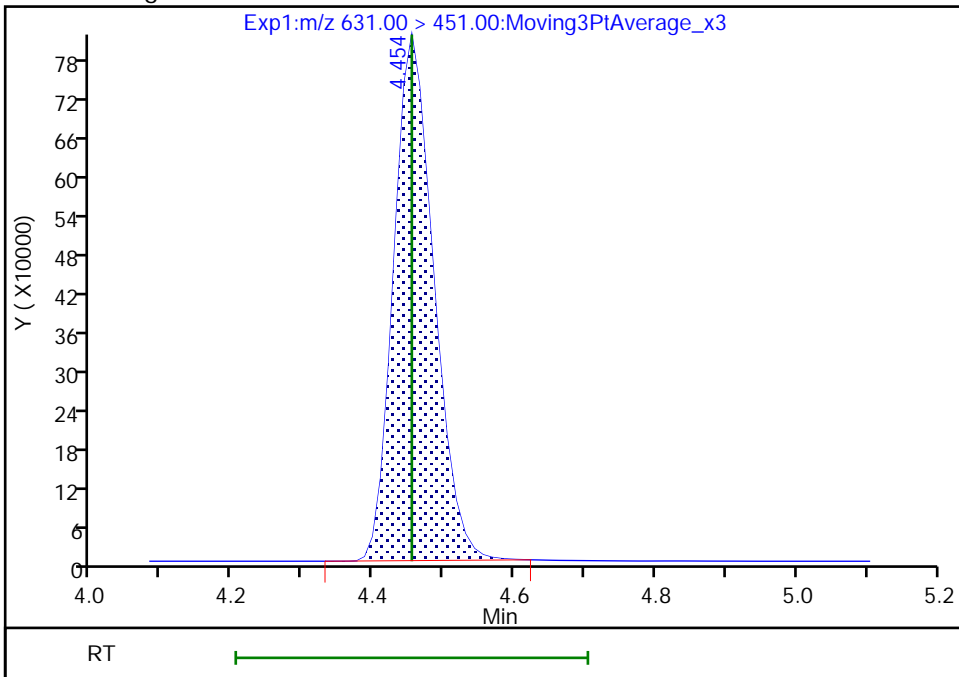
RT: 4.45
Area: 3251099
Amount: 0.891288
Amount Units: ng/ml

Processing Integration Results



RT: 4.45
Area: 3224328
Amount: 0.925659
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:08:21
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

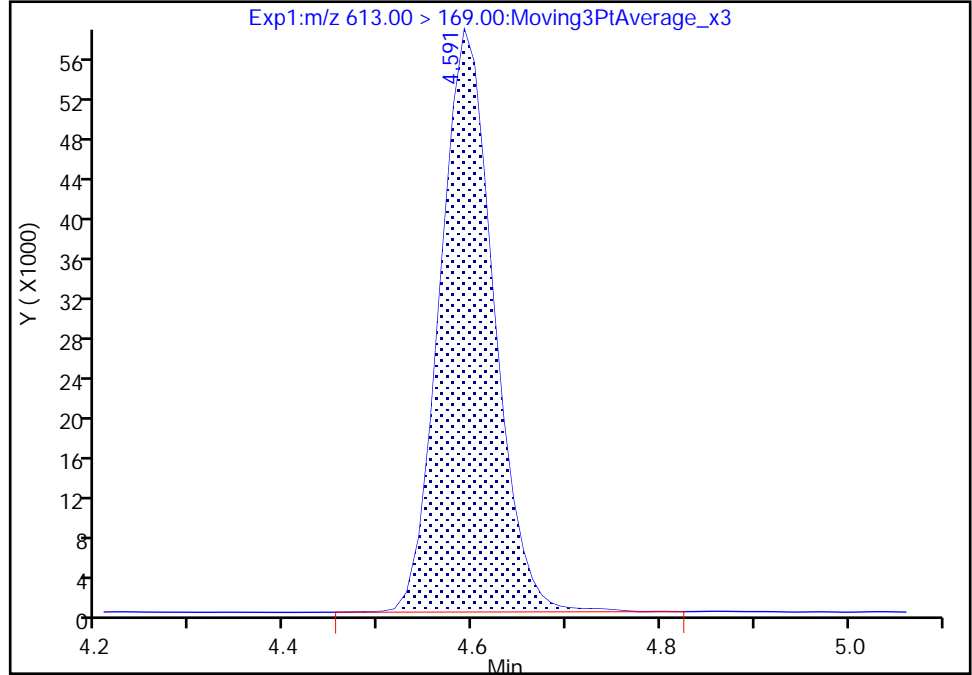
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

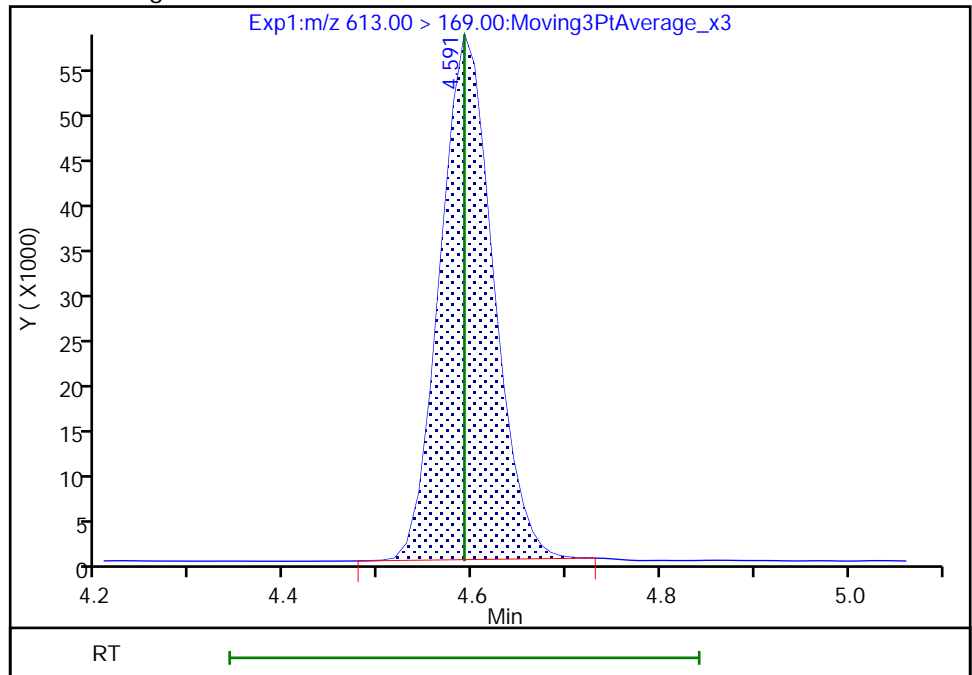
RT: 4.59
Area: 232486
Amount: 0.925204
Amount Units: ng/ml

Processing Integration Results



RT: 4.59
Area: 229653
Amount: 0.974759
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:08:27
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

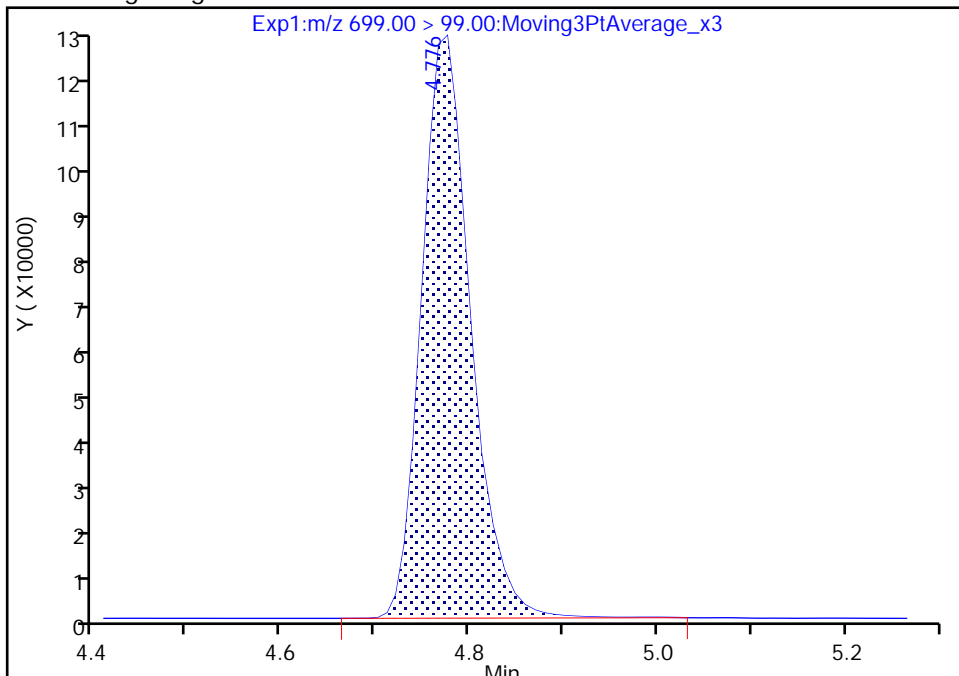
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

75 Perfluorododecanesulfonic acid (, CAS: 79780-39-5

Signal: 2

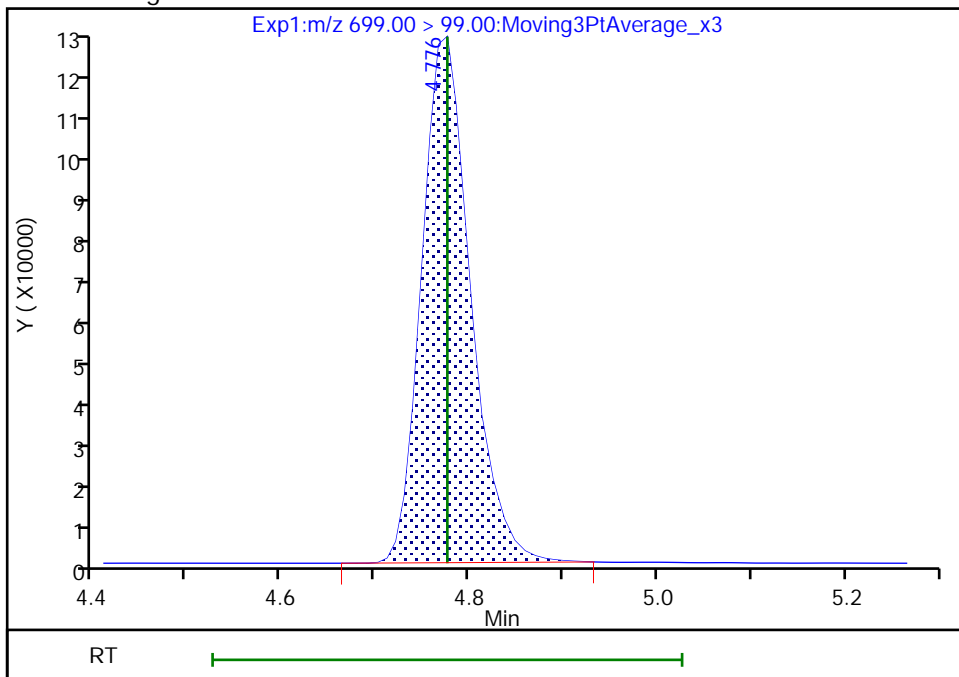
RT: 4.78
Area: 456526
Amount: 0.896225
Amount Units: ng/ml

Processing Integration Results



RT: 4.78
Area: 454220
Amount: 0.922887
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:08:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

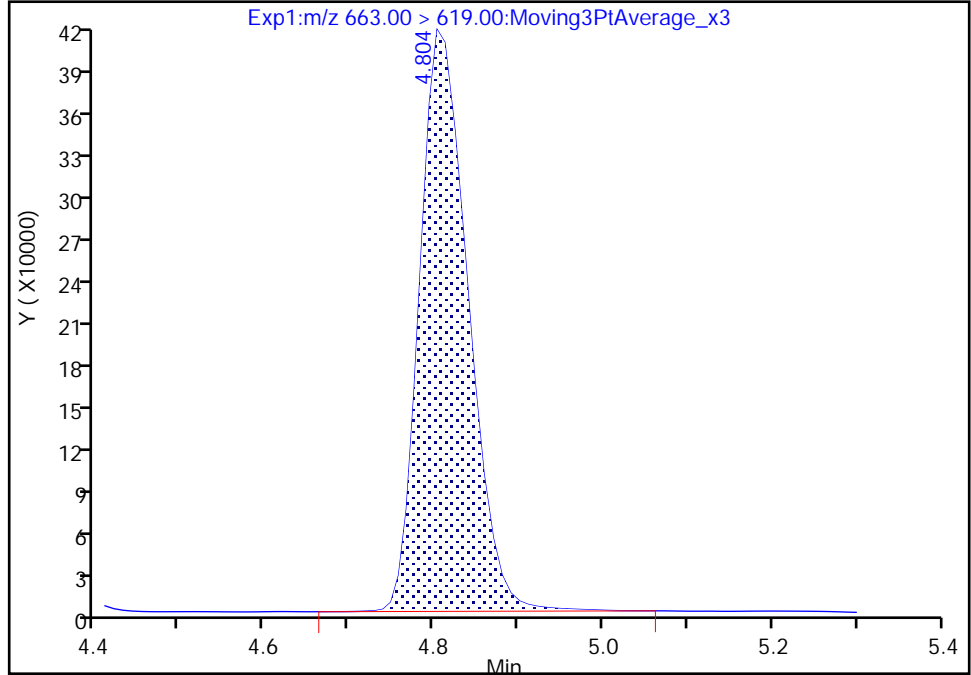
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

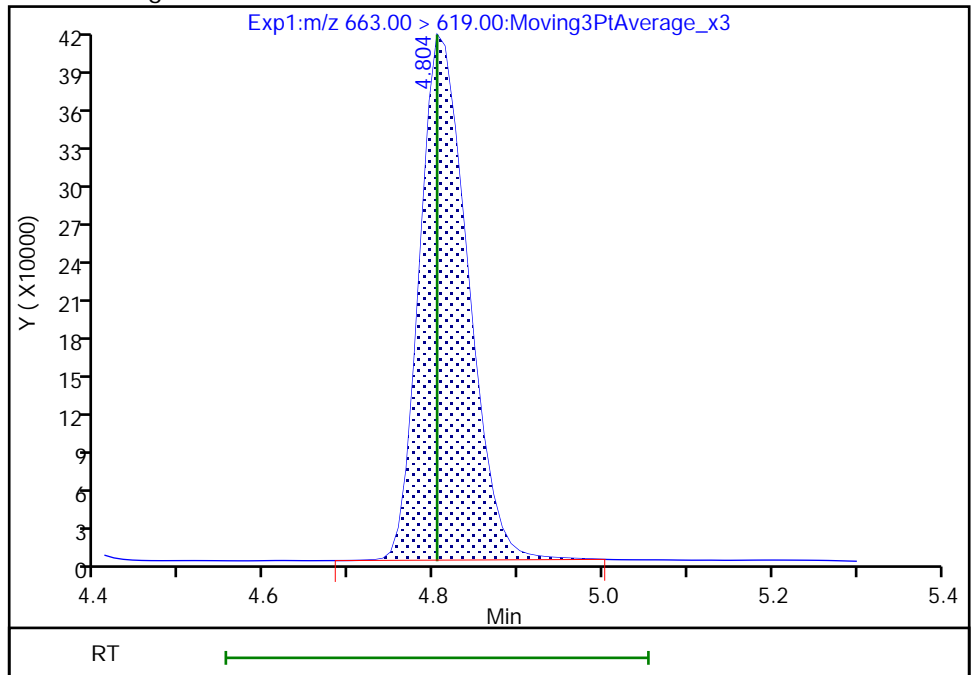
RT: 4.80
Area: 1636646
Amount: 0.895241
Amount Units: ng/ml

Processing Integration Results



RT: 4.80
Area: 1631703
Amount: 0.931504
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:08:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

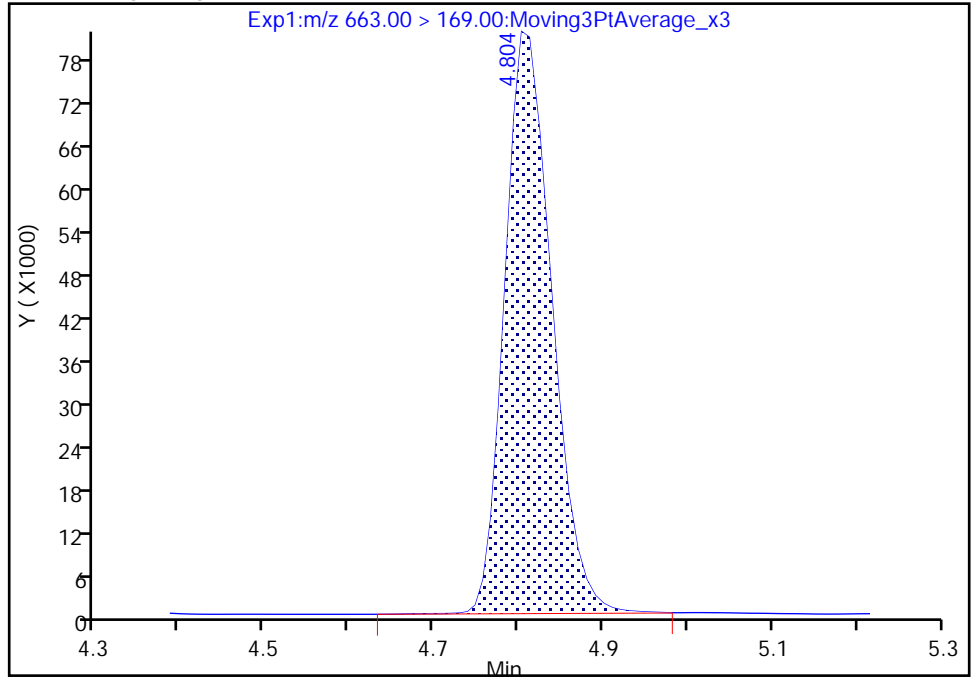
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

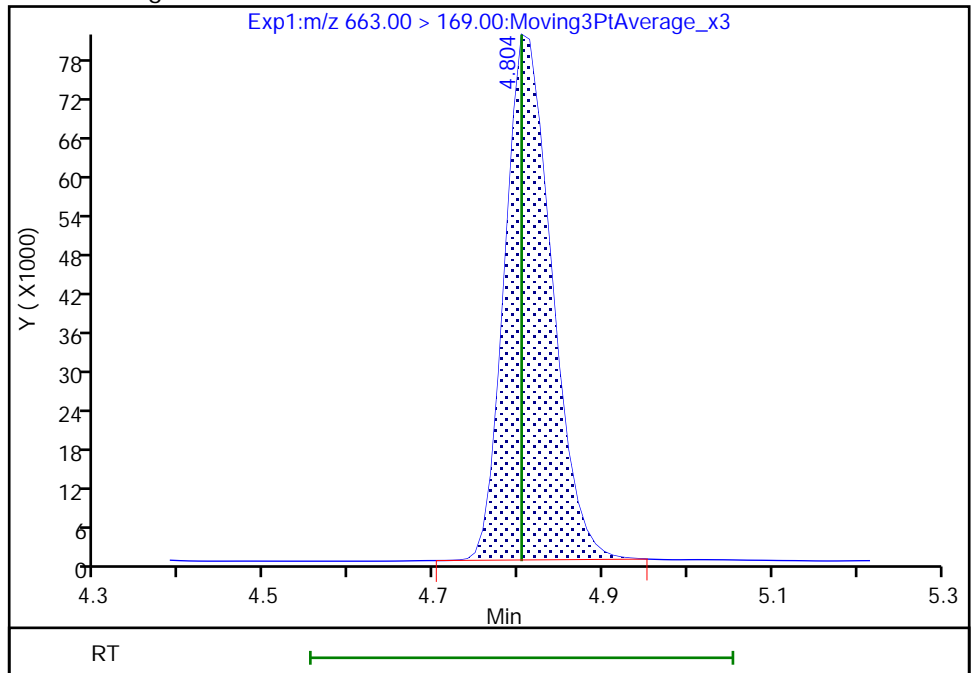
RT: 4.80
Area: 315364
Amount: 0.895241
Amount Units: ng/ml

Processing Integration Results



RT: 4.80
Area: 313474
Amount: 0.931504
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:08:50

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

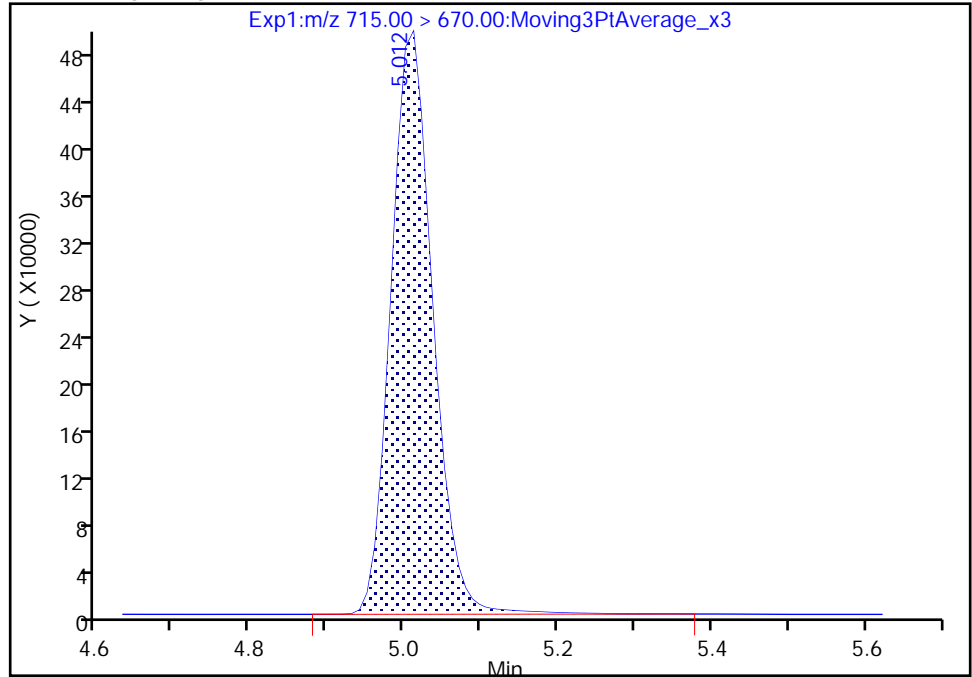
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116
Signal: 1

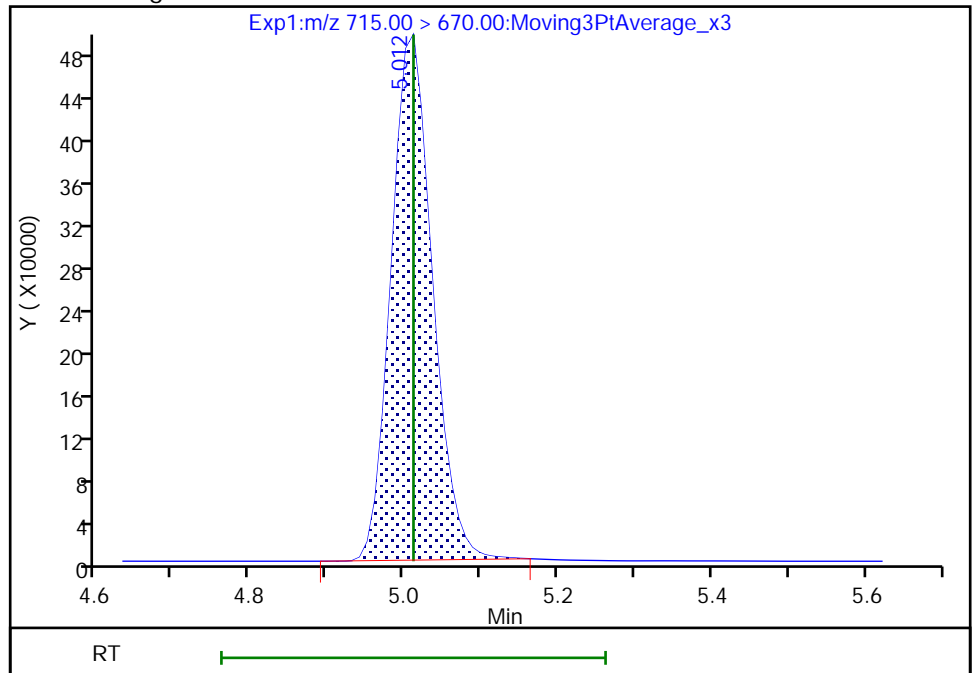
RT: 5.01
Area: 1869315
Amount: 1.228467
Amount Units: ng/ml

Processing Integration Results



RT: 5.01
Area: 1844360
Amount: 1.197970
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:08:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

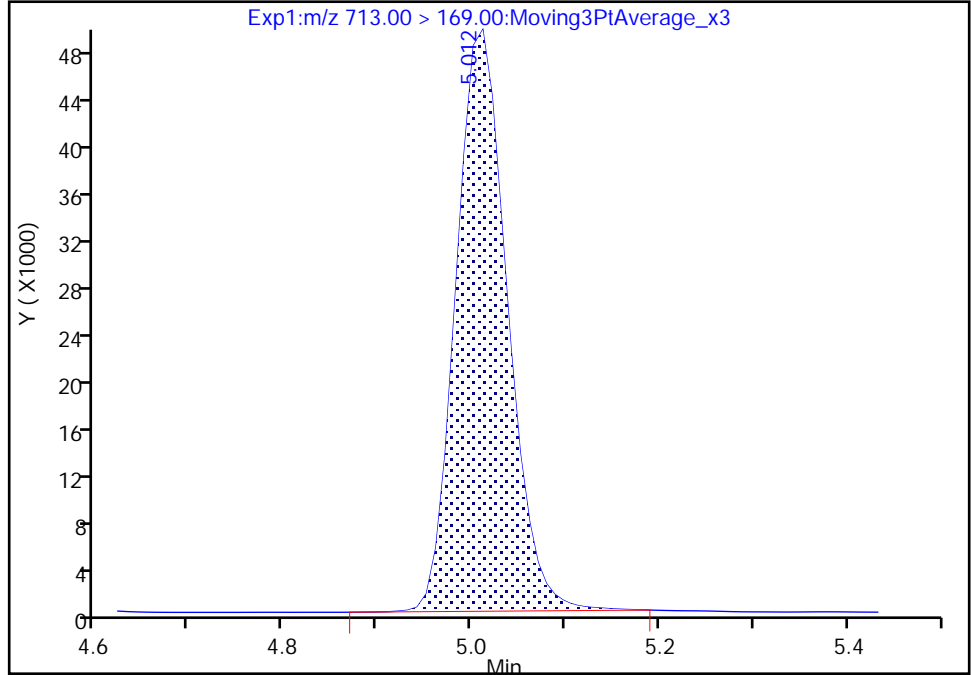
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

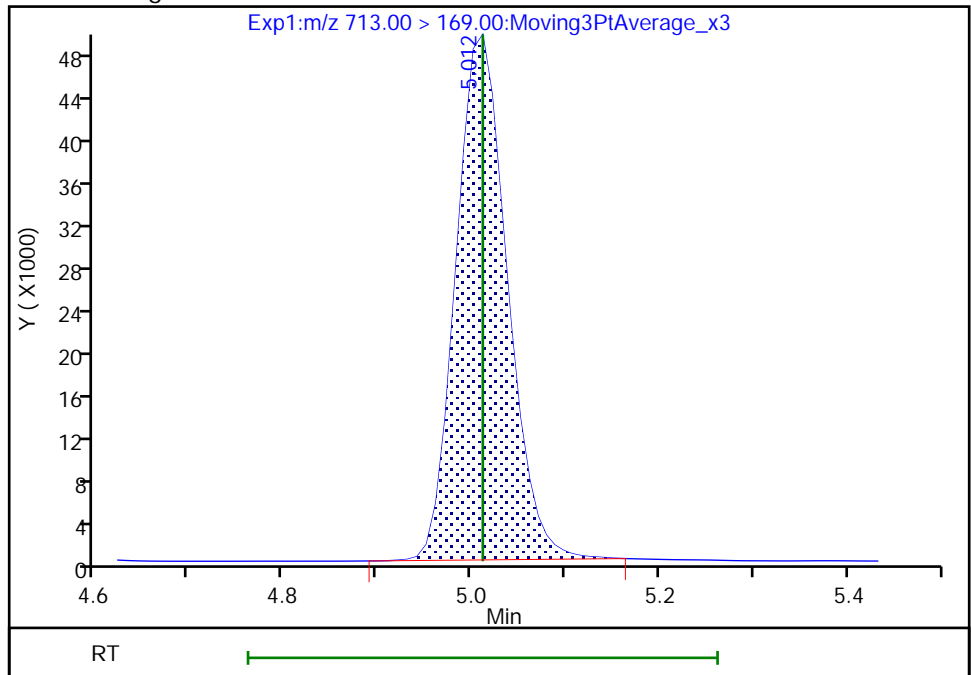
RT: 5.01
Area: 189104
Amount: 0.906114
Amount Units: ng/ml

Processing Integration Results



RT: 5.01
Area: 188468
Amount: 0.933022
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:09:01
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

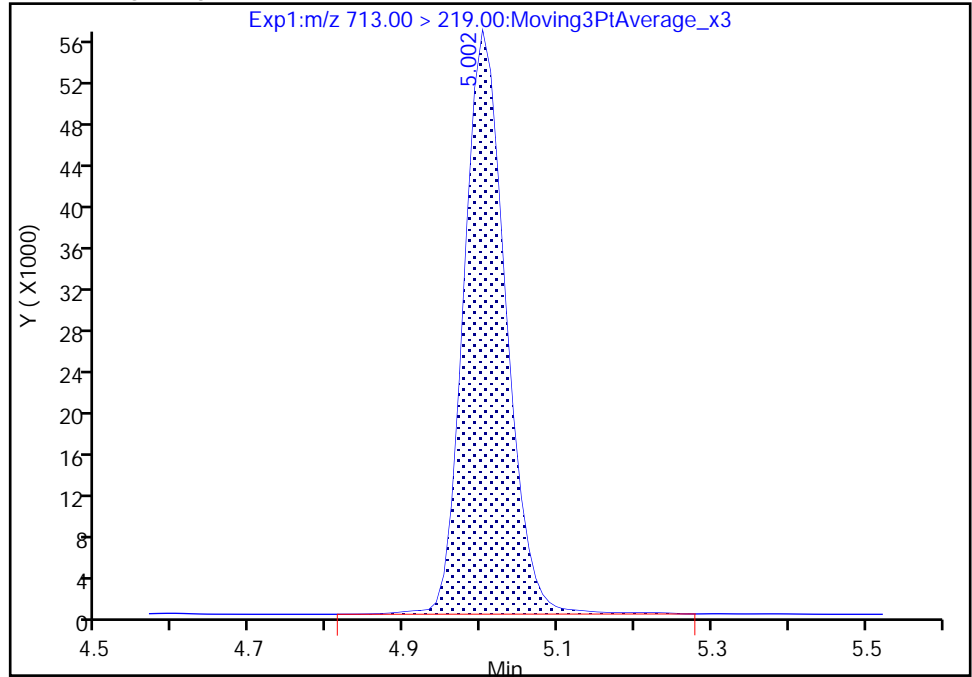
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

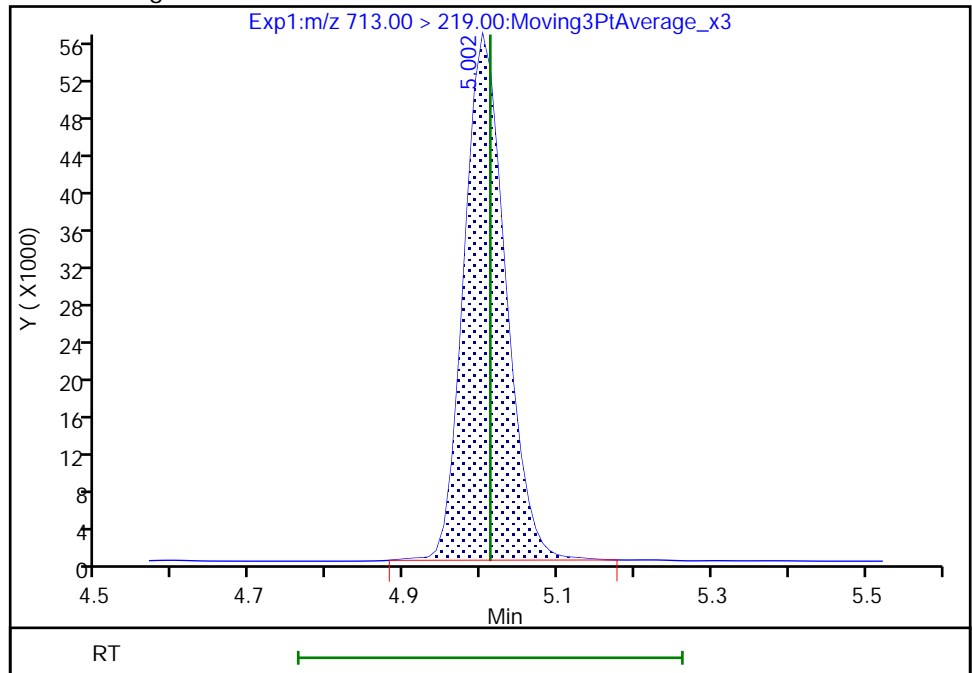
RT: 5.00
Area: 214481
Amount: 0.906114
Amount Units: ng/ml

Processing Integration Results



RT: 5.00
Area: 212234
Amount: 0.933022
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:09:04

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

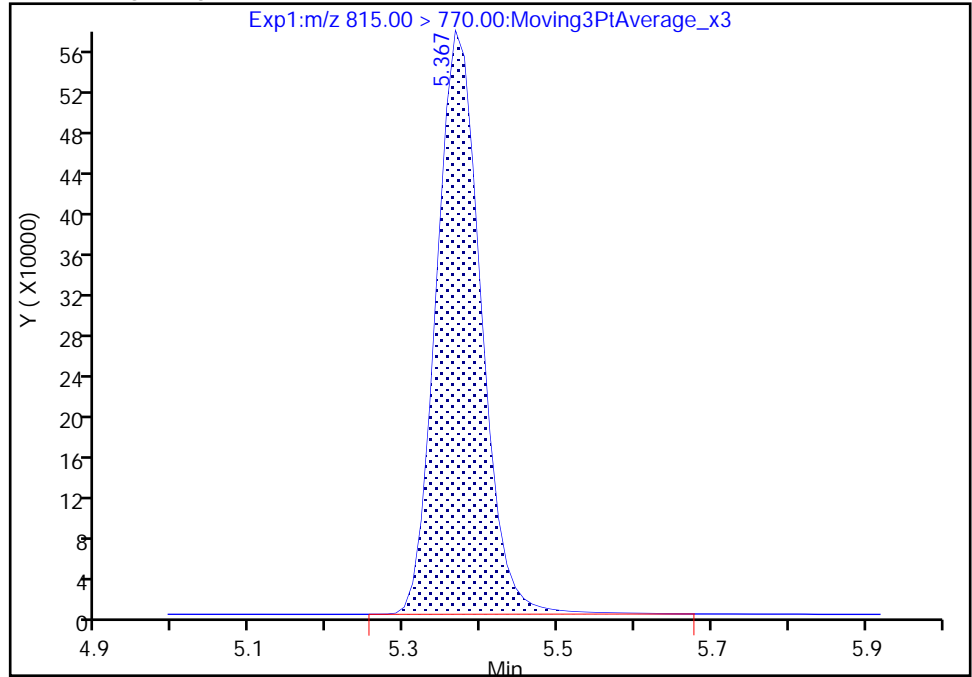
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 44 13C2 PFHxDA, CAS: STL02115
Signal: 1

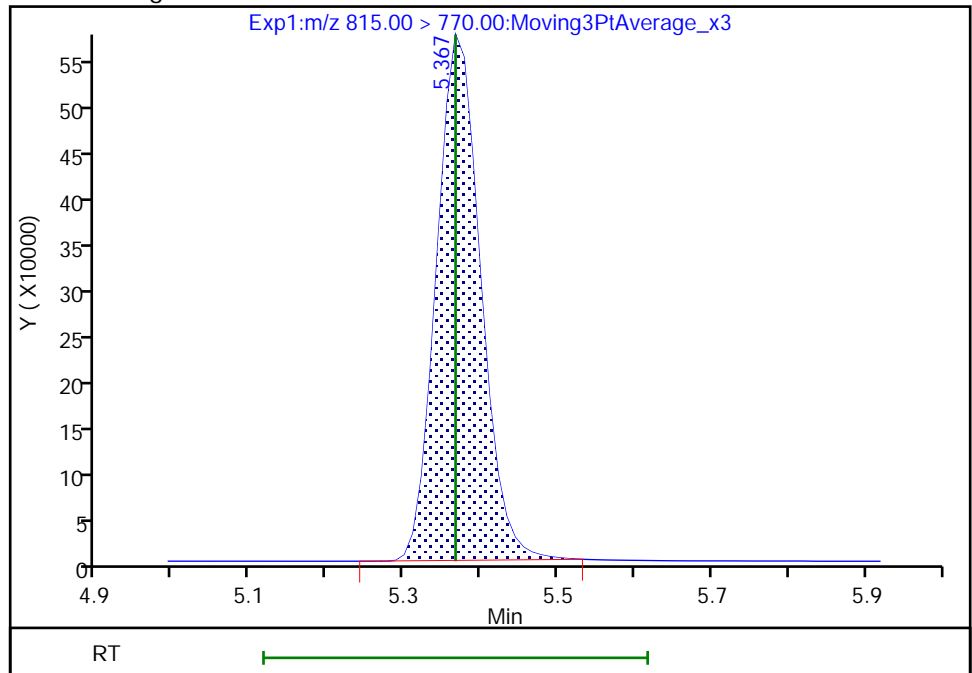
RT: 5.37
Area: 2303023
Amount: 1.224939
Amount Units: ng/ml

Processing Integration Results



RT: 5.37
Area: 2280992
Amount: 1.198419
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:09:10
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

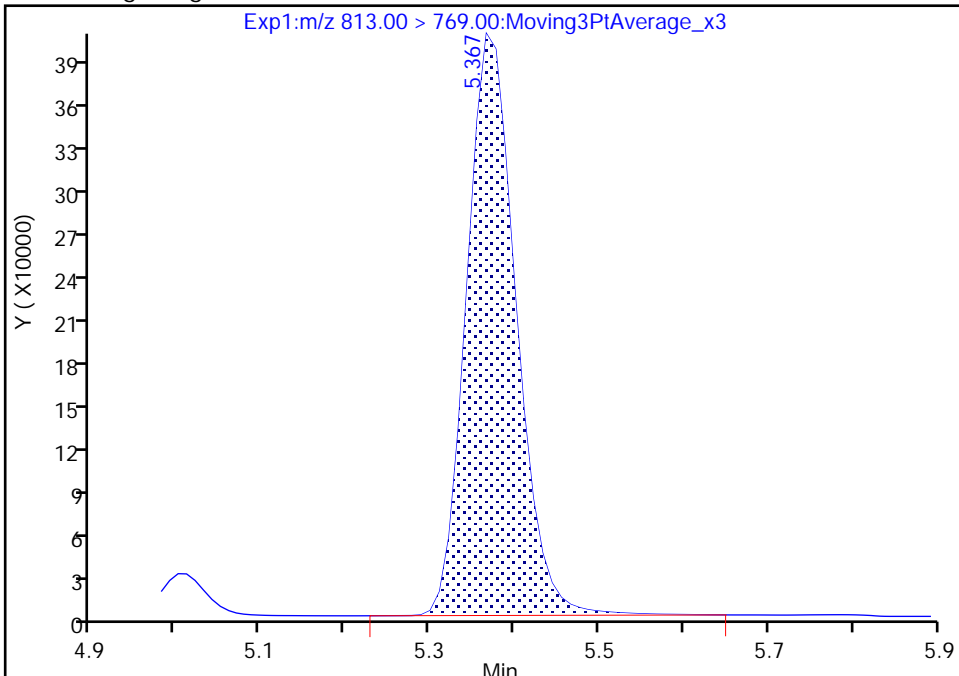
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

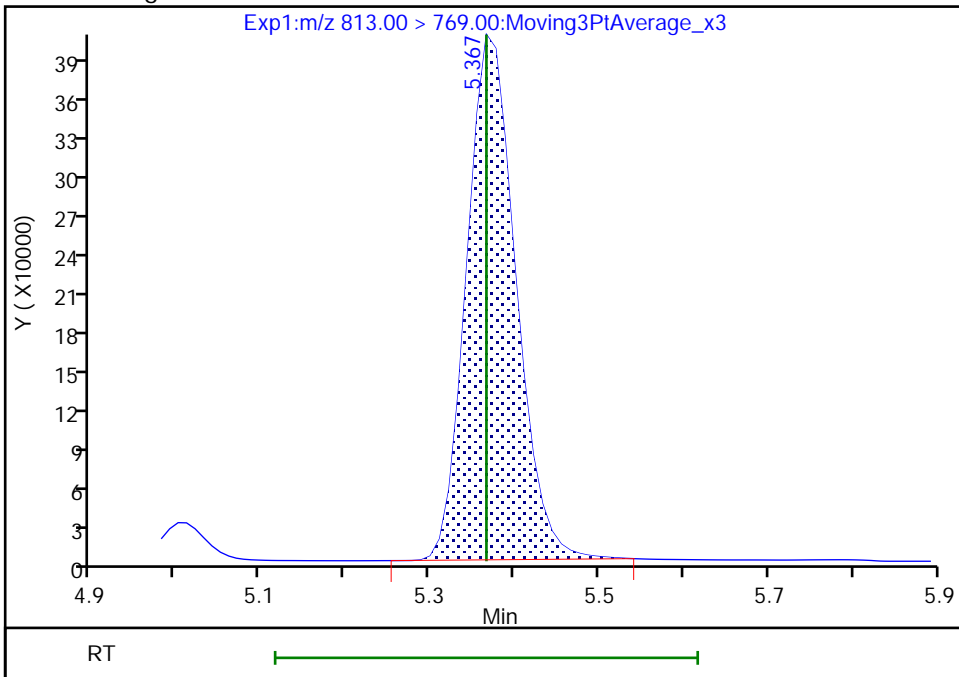
RT: 5.37
Area: 1646621
Amount: 0.957003
Amount Units: ng/ml

Processing Integration Results



RT: 5.37
Area: 1633724
Amount: 0.956588
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:09:14
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

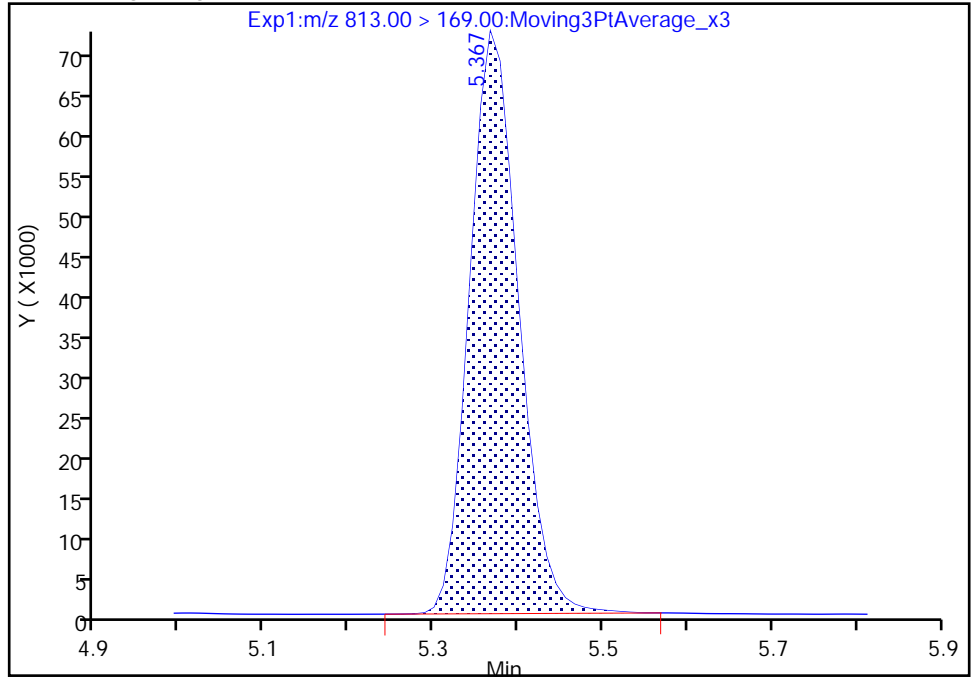
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

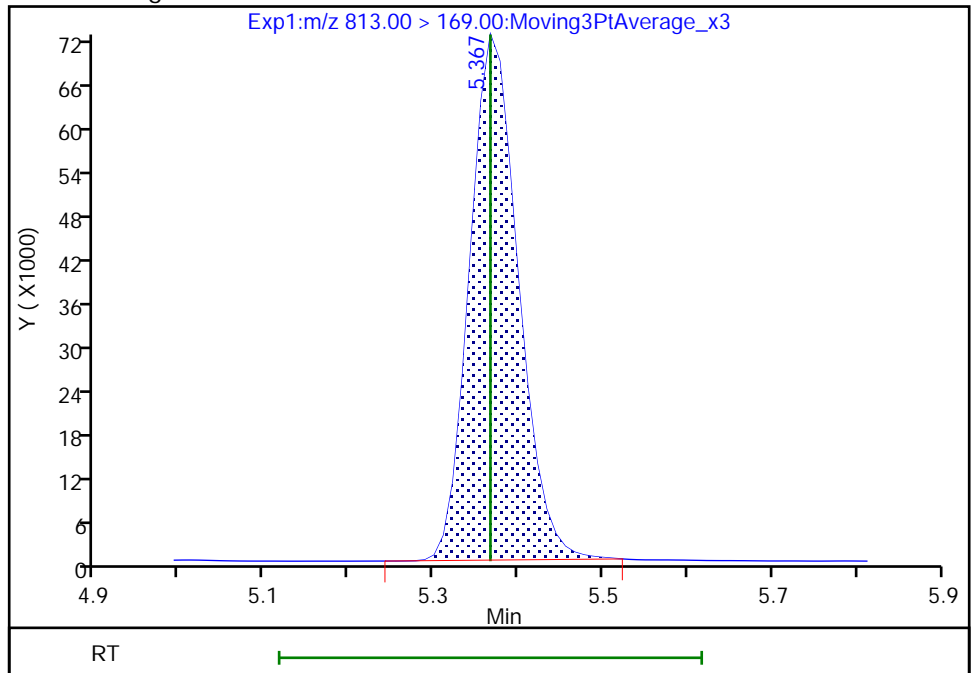
RT: 5.37
Area: 290873
Amount: 0.957003
Amount Units: ng/ml

Processing Integration Results



RT: 5.37
Area: 289352
Amount: 0.956588
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:09:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

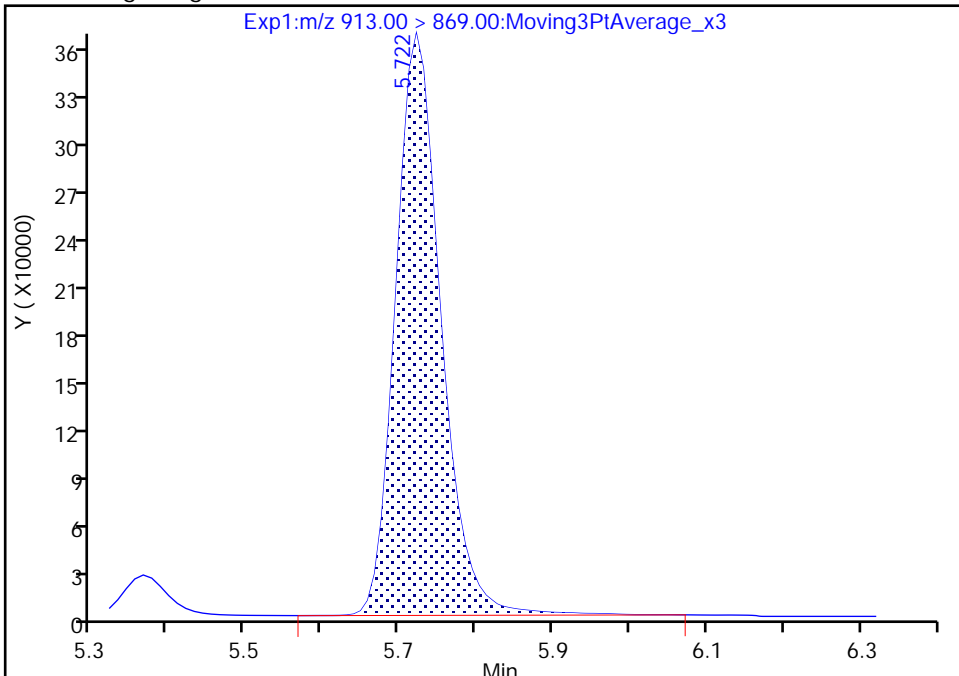
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

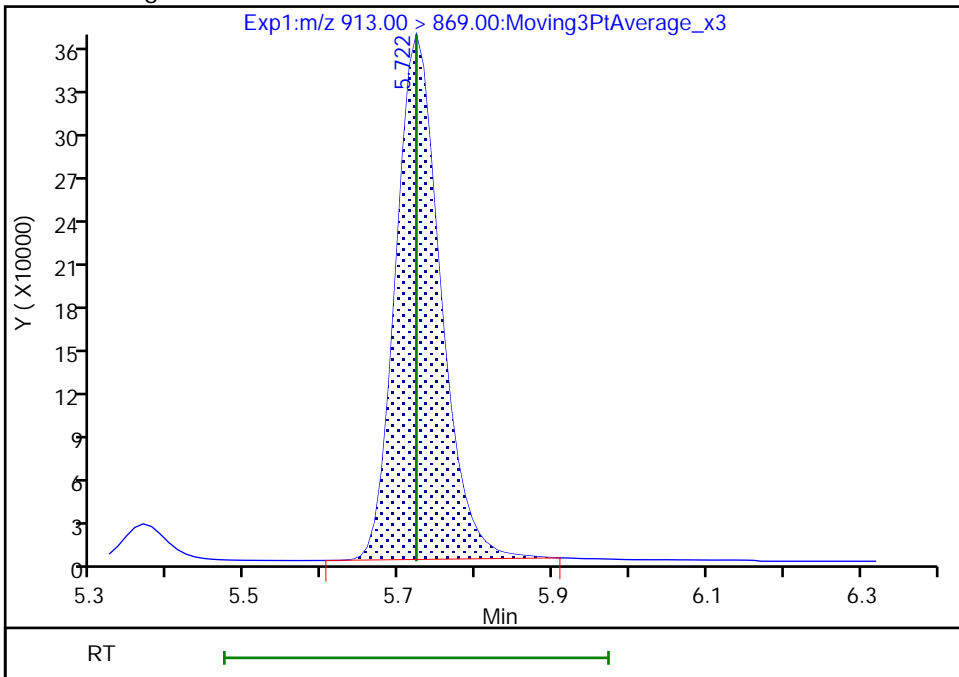
RT: 5.72
Area: 1494015
Amount: 0.963448
Amount Units: ng/ml

Processing Integration Results



RT: 5.72
Area: 1473641
Amount: 0.980547
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:09:25
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

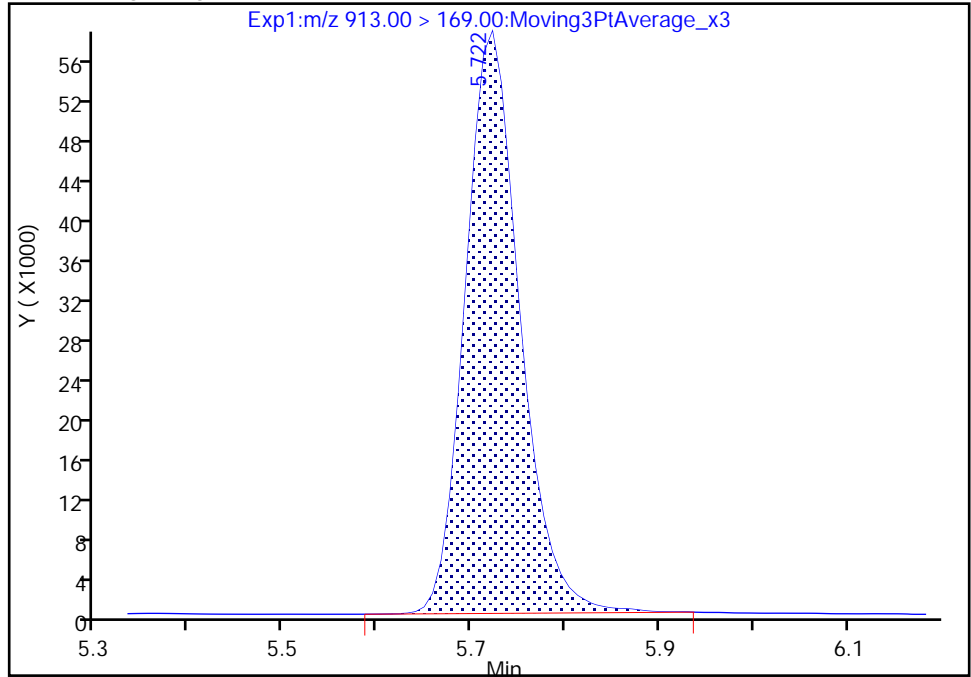
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

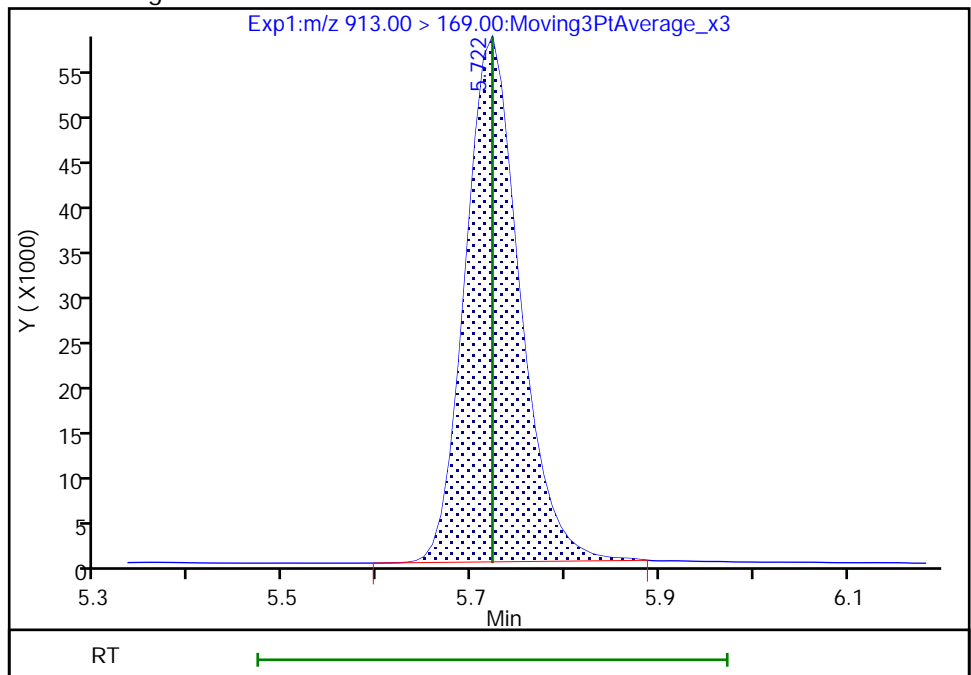
RT: 5.72
Area: 237553
Amount: 0.963448
Amount Units: ng/ml

Processing Integration Results



RT: 5.72
Area: 236187
Amount: 0.980547
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:09:28

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 18-Nov-2022 15:02:36 ALS Bottle#: 6 Worklist Smp#: 9
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 200-0053396-009 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 18-Nov-2022 15:37:50 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1602

First Level Reviewer: Z1IP Date: 18-Nov-2022 15:19:10

Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA	217.00 > 172.00	2.076	2.076	0.0	0.602	2679202	1.26	101	15212	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.076	2.076	0.0	1.000	5105461	2.31	92.4	460	M	
D 3 13C5 PFPeA	267.90 > 223.00	2.387	2.387	0.0	0.692	2026955	1.25	100	4109	
4 Perfluoropentanoic acid	262.90 > 219.00	2.387	2.387	0.0	1.000	4126130	2.33	93.4	109	
D 47 13C3 PFBS	301.90 > 80.00	2.400	2.400	0.0	0.696	2026741	1.15	99.2	320899	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.400	2.400	0.0	1.000	4292437	2.15	Target=2.14	97.4	4481	M
298.90 > 99.00	2.400	2.400	0.0	1.000	2025175		2.12(1.07-3.21)	97.4	1425	M
61 1H,1H,2H,2H-perfluorohexanesulfo	327.00 > 307.00	2.689	2.689	0.0	1.000	1079231	2.29	98.0	4533	
D 60 M2-4:2 FTS	329.00 > 81.00	2.689	2.689	0.0	0.780	178646	1.15	98.5	205	
D 7 13C2 PFHxA	315.00 > 270.00	2.725	2.725	0.0	0.791	2164012	1.28	102	5801	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.738	2.725	0.013	1.004	4547952	2.41	Target=13.44	96.4	805	M
313.00 > 119.00	2.725	2.725	0.0	1.000	312872		14.54(6.72-20.15)	96.4	433	
70 Perfluoropentanesulfonic acid	349.00 > 80.00	2.738	2.737	0.001	0.883	3901605	2.33	Target=2.98	99.2	5520
349.00 > 99.00	2.738	2.737	0.001	0.883	1271099		3.07(1.49-4.47)	99.2	1901	
D 64 13C3 HFPO-DA	287.00 > 169.00	2.835	2.835	0.0	0.822	387831	1.30	104	1771	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags		
67 Perfluoro(2-propoxypropanoic) ac	285.00	> 169.00	2.835	2.835	0.0	1.000	756781	2.31	92.4	3649		
D 11 18O2 PFHxS	403.00	> 84.00	3.099	3.088	0.011	0.899	1485775	1.16	98.1	3442		
8 Perfluorohexanesulfonic acid	399.00	> 80.00	3.088	3.088	0.0	0.996	3217665	2.27	Target=3.57	99.7	1650	M
	399.00	> 99.00	3.088	3.088	0.0	0.996	889058		3.62(1.78-5.35)	99.7	805	M
D 9 13C4 PFHpA	367.00	> 322.00	3.099	3.099	0.0	0.899	2271049	1.30	104	7276		
10 Perfluoroheptanoic acid	363.00	> 319.00	3.099	3.099	0.0	1.000	4611900	2.33	Target=3.93	93.3	871	M
	363.00	> 169.00	3.099	3.099	0.0	1.000	1182521		3.90(1.96-5.89)	93.3	2126	M
77 DONA	377.00	> 251.00	3.132	3.132	0.0	0.832	10824421	2.24	Target=3.08	95.0	3767	M
	377.00	> 85.00	3.132	3.132	0.0	0.832	3633058		2.98(1.54-4.62)	95.0	1956	M
D 12 M2-6:2 FTS	429.00	> 81.00	3.439	3.439	0.0	0.997	257709	1.20	101	723		
13 1H,1H,2H,2H-perfluorooctanesulfo	427.00	> 407.00	3.439	3.439	0.0	1.000	1097897	2.38	101	2807		
16 Perfluoroheptanesulfonic acid	449.00	> 80.00	3.439	3.439	0.0	0.914	2744265	2.24	Target=5.16	94.0	1942	M
	449.00	> 99.00	3.439	3.439	0.0	0.914	543093		5.05(2.58-7.74)	94.0	2249	M
D 14 13C4 PFOA	417.00	> 372.00	3.448	3.448	0.0	1.000	2522753	1.29	103	5188		
* 62 13C2 PFOA	415.00	> 370.00	3.448	3.448	0.0		2367797	1.25		4001		
15 Perfluorooctanoic acid	413.00	> 369.00	3.448	3.448	0.0	1.000	5263268	2.44	Target=2.82	97.6	387	M
	413.00	> 169.00	3.448	3.448	0.0	1.000	1822258		2.89(1.41-4.23)	97.6	1577	M
D 18 13C4 PFOS	503.00	> 80.00	3.764	3.764	0.0	1.092	1049764	1.21	101	2525		
17 Perfluorooctanesulfonic acid	499.00	> 80.00	3.764	3.764	0.0	1.000	2338057	2.19	Target=5.01	94.3	367	M
	499.00	> 99.00	3.764	3.764	0.0	1.000	491265		4.76(2.50-7.51)	94.3	383	M
D 19 13C5 PFNA	468.00	> 423.00	3.783	3.783	0.0	1.097	2401890	1.26	101	3709	M	
20 Perfluorononanoic acid	463.00	> 419.00	3.783	3.783	0.0	1.000	4930997	2.47	Target=8.49	99.0	859	M
	463.00	> 169.00	3.783	3.783	0.0	1.000	586103		8.41(4.25-12.74)	99.0	2411	M
69 9-Chlorohexadecafluoro-3-oxanona	531.00	> 351.00	3.928	3.928	0.0	1.044	5512960	2.25		96.5	3886	M
68 Perfluorononanesulfonic acid	549.00	> 80.00	4.061	4.050	0.011	1.079	1871298	2.32	Target=2.60	96.7	2768	M
	549.00	> 99.00	4.061	4.050	0.011	1.079	726837		2.57(1.30-3.90)	96.7	2286	M
D 23 13C2 PFDA	515.00	> 470.00	4.081	4.081	0.0	1.184	2491665	1.28	103	4693		

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										
513.00 > 469.00	4.081	4.081	0.0	1.000	4948756	2.29	Target=10.03	91.6	1883	
513.00 > 169.00	4.081	4.081	0.0	1.000	502506		9.85(5.02-15.05)	91.6	891	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.093	4.093	0.0	1.187	321188	1.22		102	963	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.093	4.093	0.0	1.000	1014644	2.34		97.7	2533	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.150	4.150	0.0	1.000	4094524	2.46		98.3	2556	M
D 21 13C8 FOSA										
506.00 > 78.00	4.150	4.150	0.0	1.204	1993351	1.25		100	2401	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.228	4.228	0.0	1.226	514239	1.30		104	416	
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.238	4.228	0.010	1.002	873622	2.46		98.3	924	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.331	4.331	0.0	1.151	1496790	2.35	Target=2.58	97.5	2027	M
599.00 > 99.00	4.331	4.331	0.0	1.151	562866		2.66(1.29-3.86)	97.5	1295	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.353	4.353	0.0	0.997	4311823	2.37	Target=10.10	94.7	1327	M
563.00 > 169.00	4.353	4.353	0.0	0.997	431935		9.98(5.05-15.15)	94.7	1347	
D 30 13C2 PFUnA										
565.00 > 520.00	4.365	4.353	0.012	1.266	2259671	1.27		102	3817	
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.376	4.365	0.011	1.003	848987	2.39		95.5	1131	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.365	4.365	0.0	1.266	496655	1.28		102	1013	
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.454	4.454	0.0	1.183	8644779	2.29		97.1	2779	M
37 Perfluorododecanoic acid										
613.00 > 569.00	4.601	4.591	0.010	1.000	4520955	2.28	Target=7.41	91.0	287	M
613.00 > 169.00	4.601	4.591	0.010	1.000	628962		7.19(3.70-11.11)	91.0	2150	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.601	4.591	0.010	1.335	2344331	1.29		104	3770	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.612	4.612	0.0	1.127	585886	2.25		93.3	1907	
75 Perfluorododecanesulfonic acid (
699.00 > 80.00	4.776	4.776	0.0	1.269	629893	2.34	Target=0.51	96.6	3834	M
699.00 > 99.00	4.776	4.776	0.0	1.269	1217795		0.52(0.25-0.76)	96.6	1849	M
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.812	4.804	0.008	1.046	4574880	2.41	Target=5.40	96.3	292	M
663.00 > 169.00	4.812	4.804	0.008	1.046	841148		5.44(2.70-8.10)	96.3	1577	M
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.012	5.012	0.0	1.000	519386	2.35	Target=0.90	94.1	1498	M
713.00 > 219.00	5.012	5.012	0.0	1.000	610374		0.85(0.45-1.35)	94.1	1973	M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.012	5.012	0.0	1.454	2014799	1.29		103	2640	M

Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										M
815.00 > 770.00	5.366	5.367	-0.001	1.557	2500657	1.29		103	2634	M
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.377	5.367	0.010	1.002	4609177	2.49	Target=5.85	99.5	360	M
813.00 > 169.00	5.377	5.367	0.010	1.002	767191		6.01(2.93-8.78)	99.5	1778	M
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.722	5.722	0.0	1.066	3885994	2.36	Target=6.30	94.3	307	M
913.00 > 169.00	5.722	5.722	0.0	1.066	634754		6.12(3.15-9.46)	94.3	883	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC5_00030

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d

Injection Date: 18-Nov-2022 15:02:36

Instrument ID: LC812

Lims ID: IC

Client ID:

Operator ID: lc812tech

ALS Bottle#: 6

Worklist Smp#: 9

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

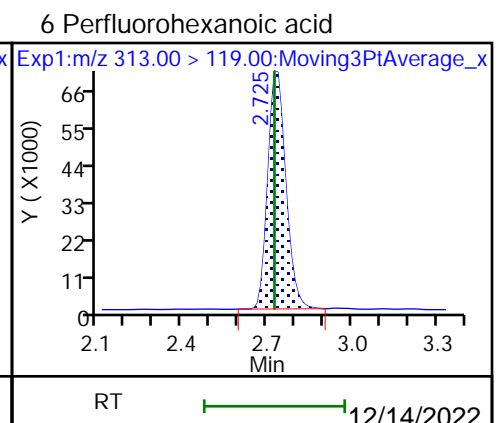
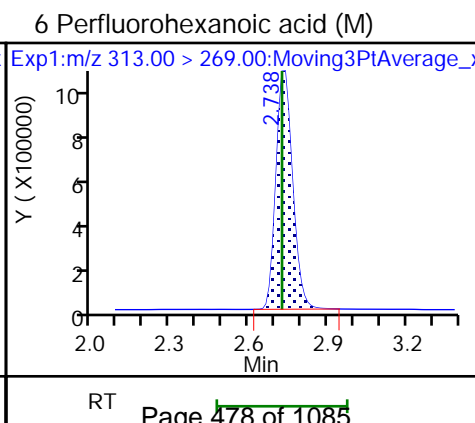
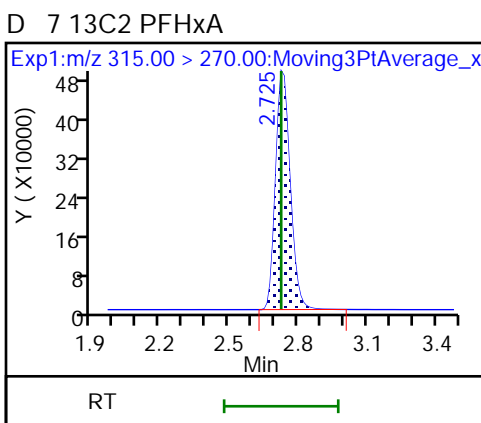
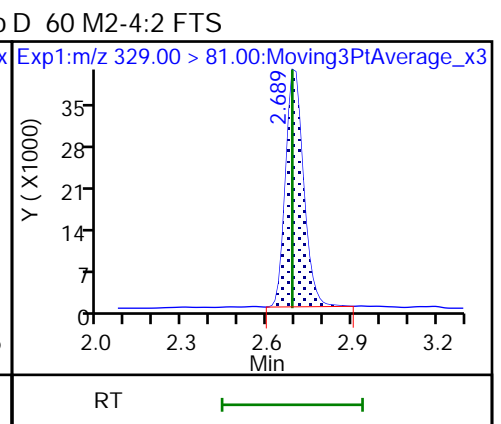
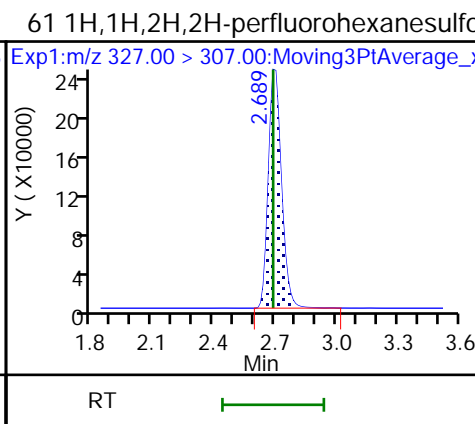
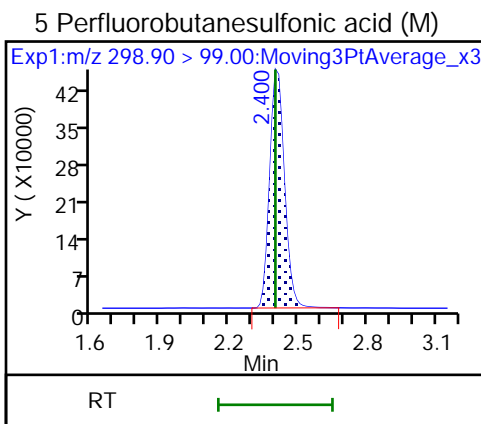
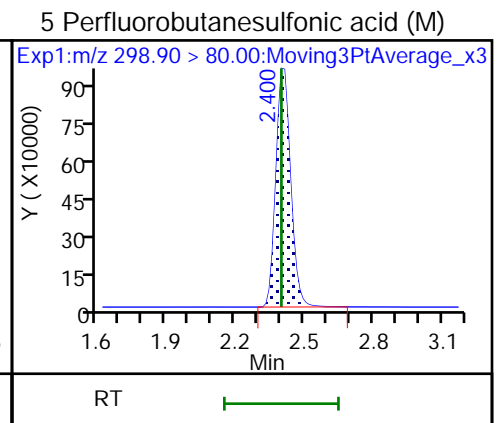
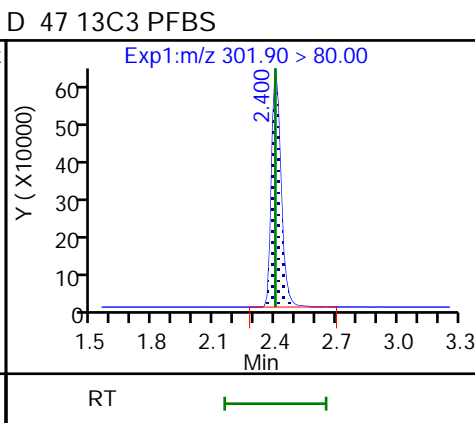
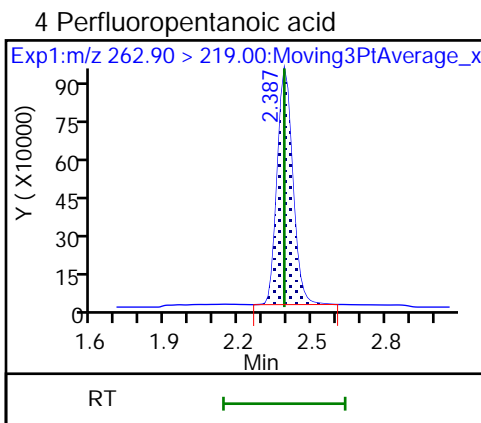
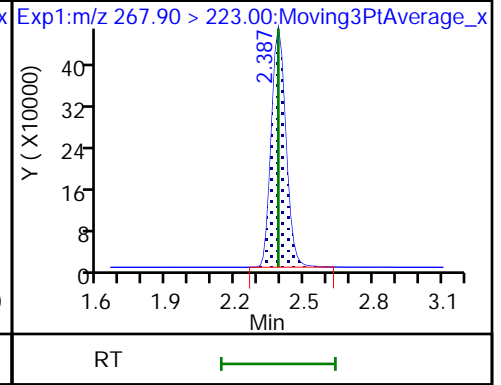
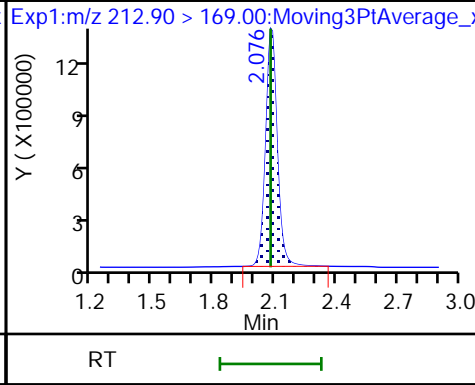
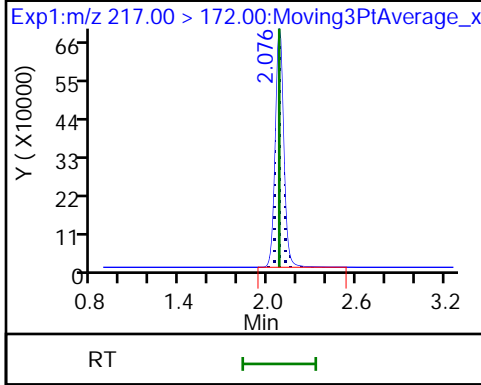
Method: PFC_LC812

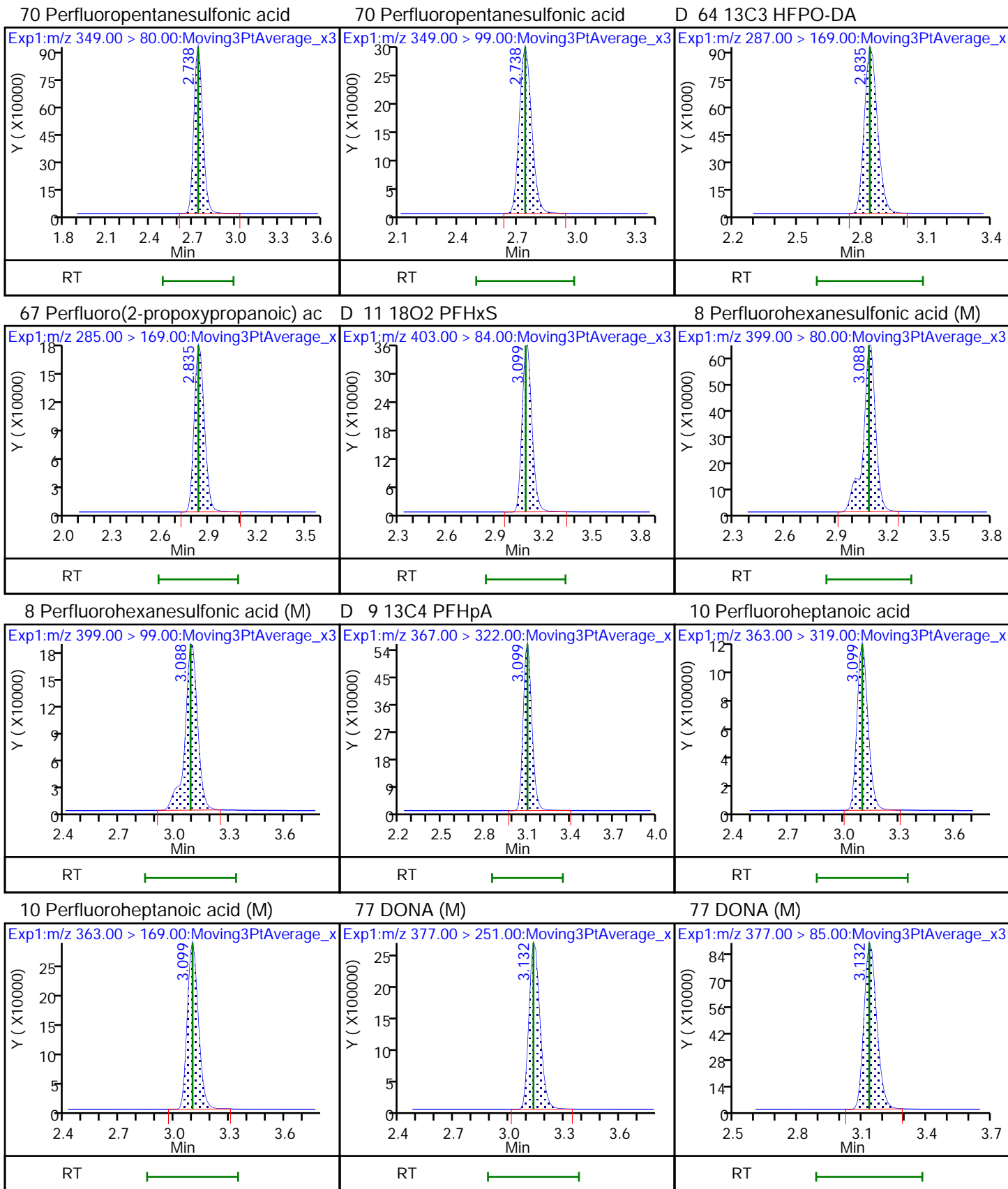
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D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

D 3 13C5 PFPeA

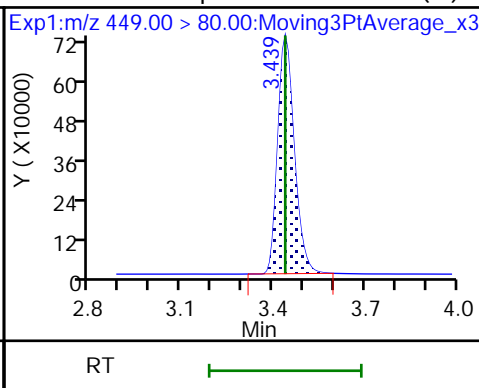
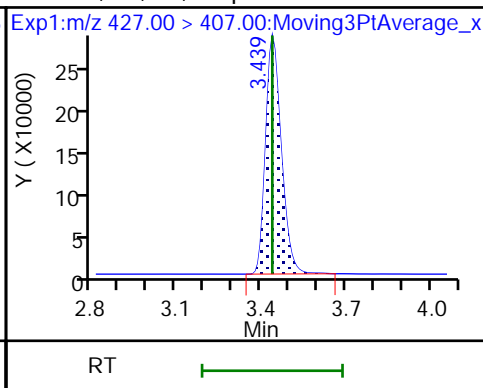
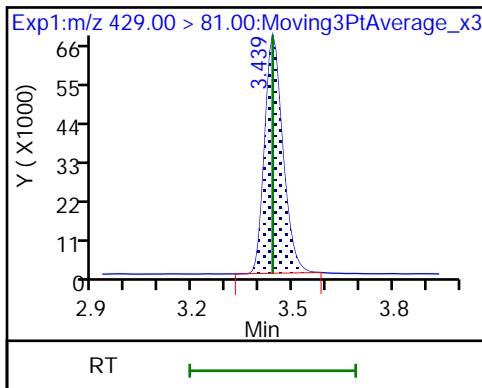




D 12 M2-6:2 FTS

13 1H,1H,2H,2H-perfluorooctanesulfo

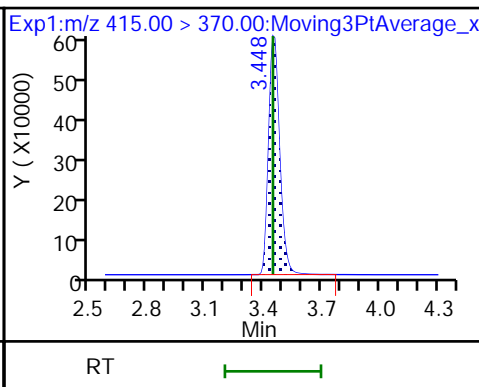
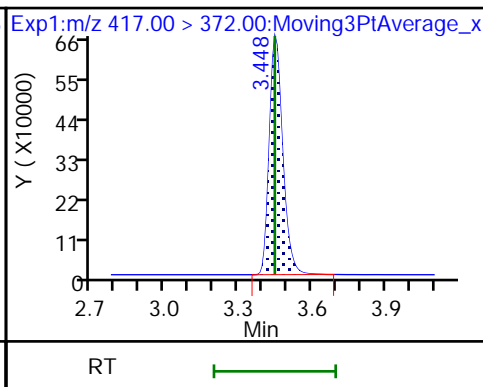
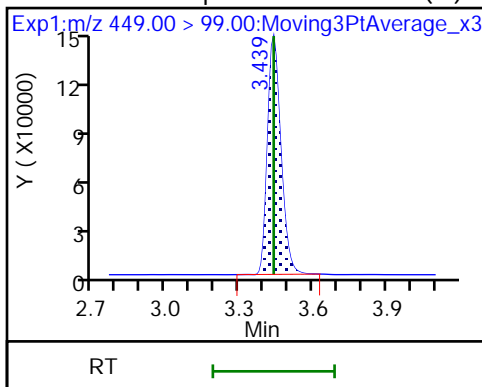
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

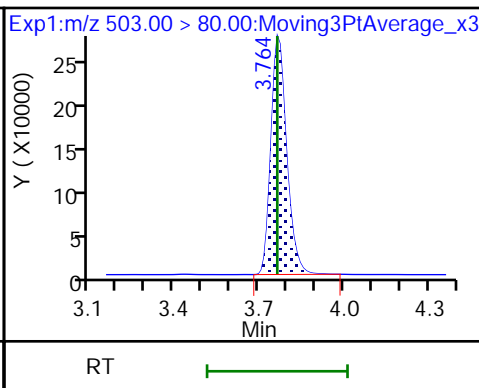
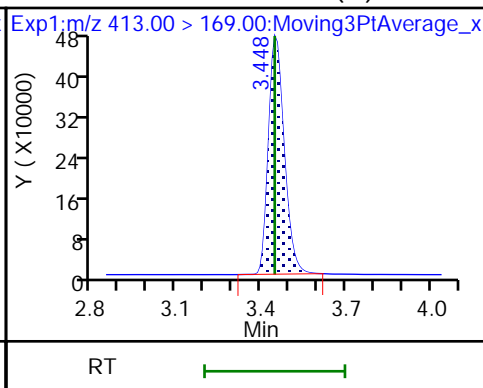
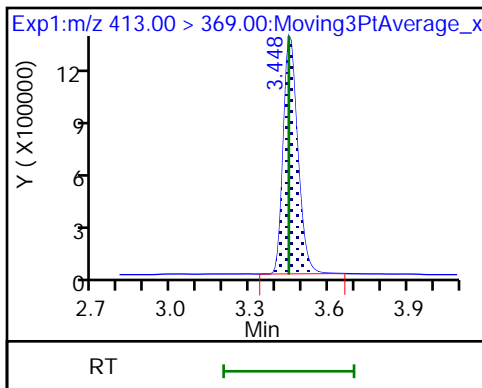
* 62 13C2 PFOA



15 Perfluorooctanoic acid

15 Perfluorooctanoic acid (M)

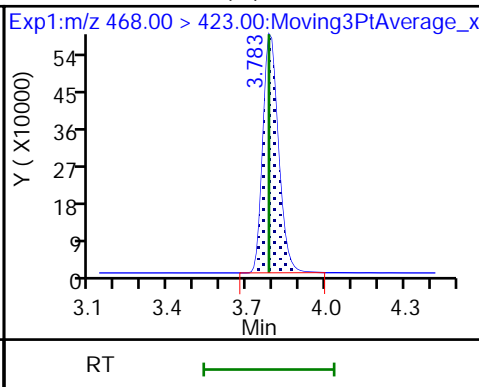
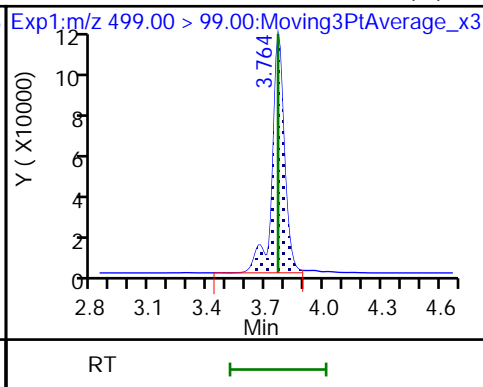
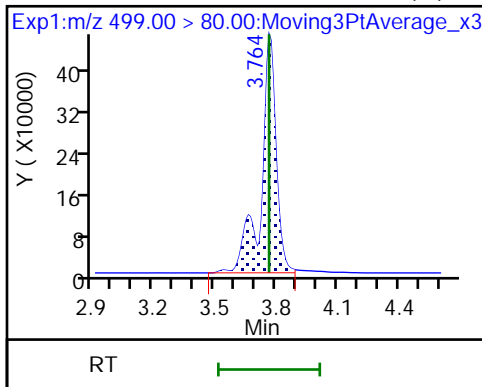
D 18 13C4 PFOS

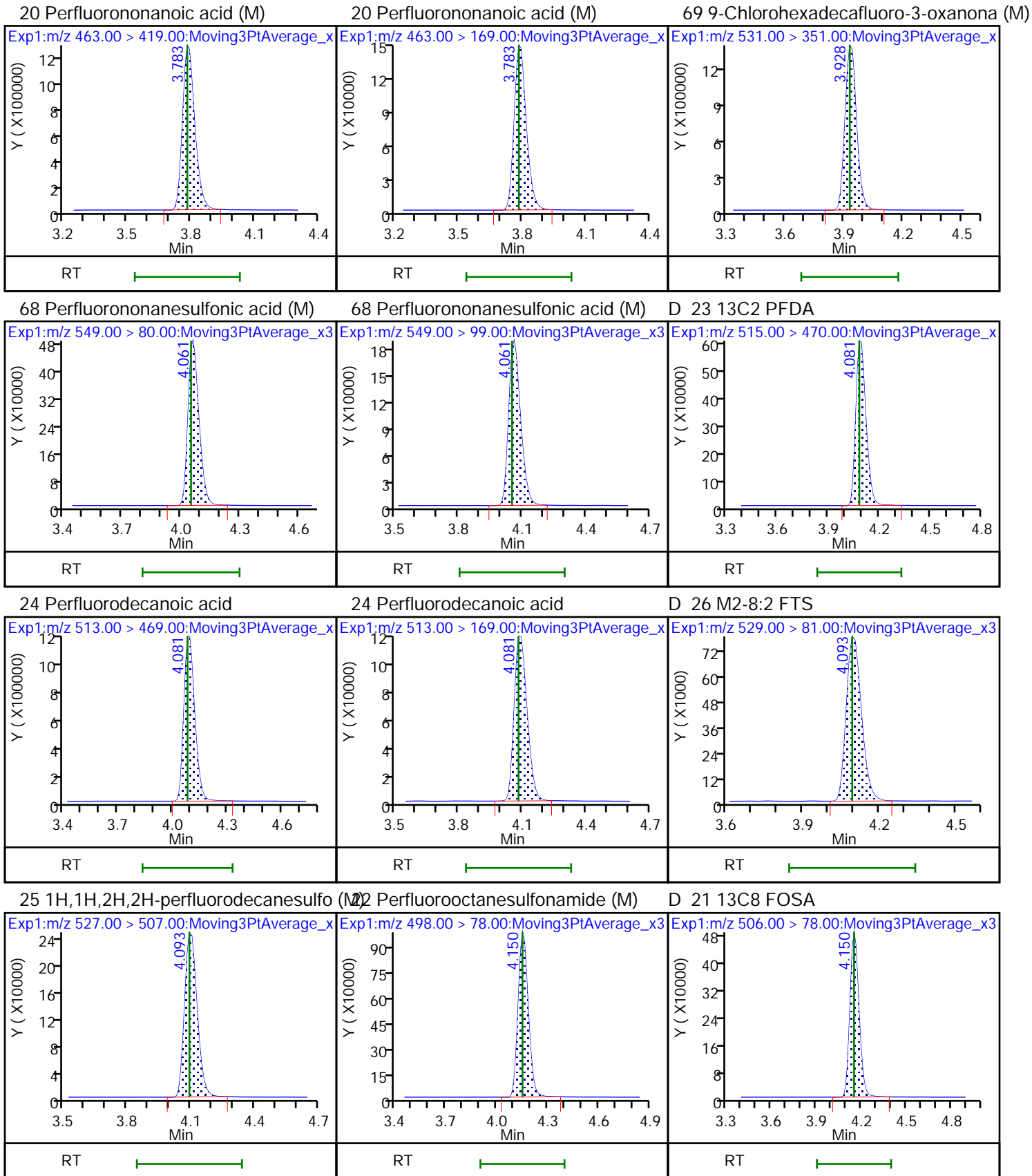


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

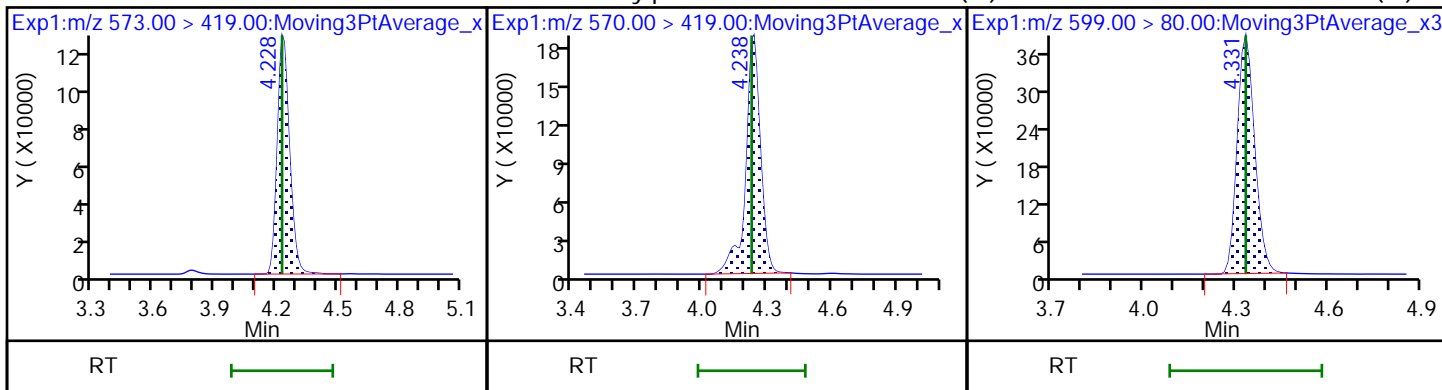
D 19 13C5 PFNA (M)





D 27 d3-NMeFOSAA

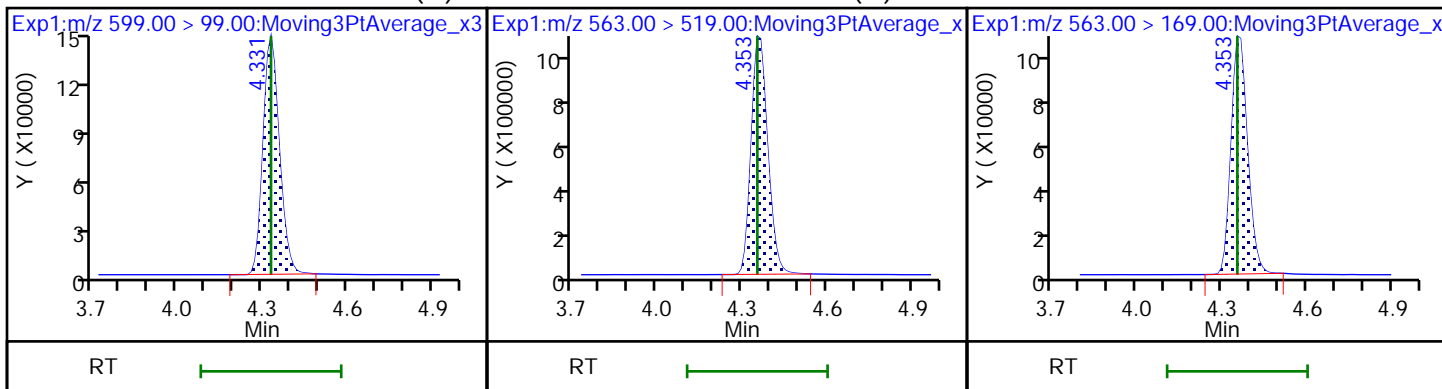
28 N-methylperfluorooctanesulfonami (M) 29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

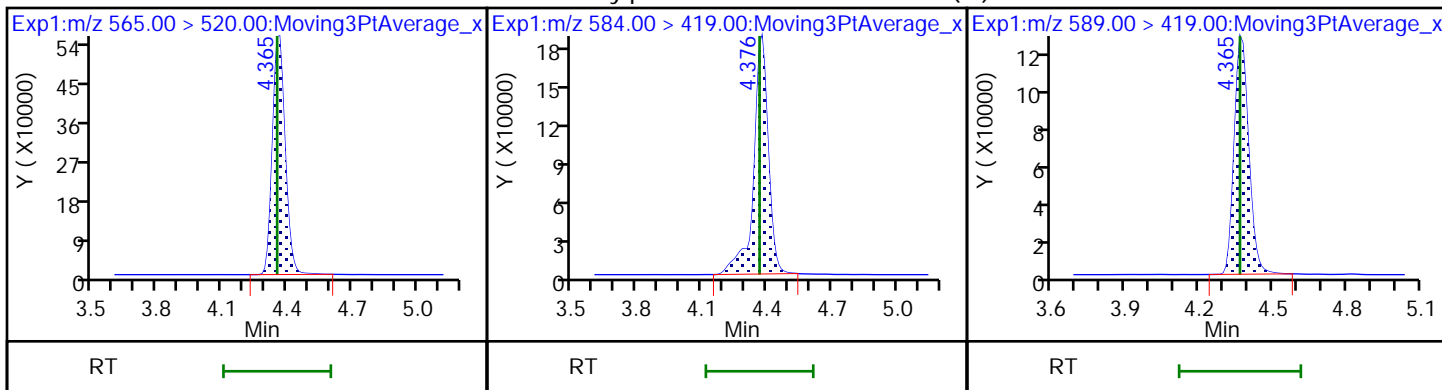
31 Perfluoroundecanoic acid (M)

31 Perfluoroundecanoic acid



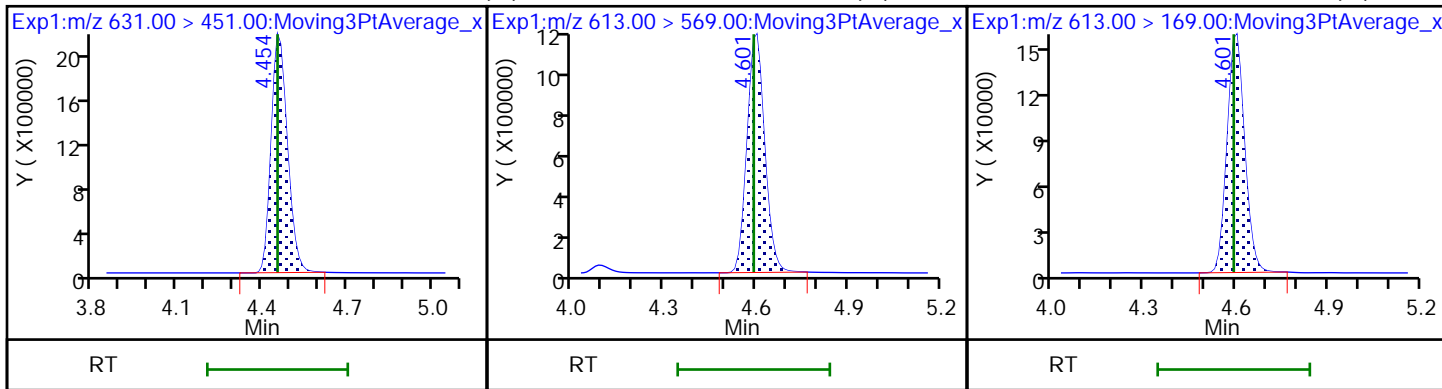
D 30 13C2 PFUnA

33 N-ethylperfluorooctanesulfonamid (N) 32 d5-NEtFOSAA



66 11-Chloroeicosafluoro-3-oxaundec (M) 37 Perfluorododecanoic acid (M)

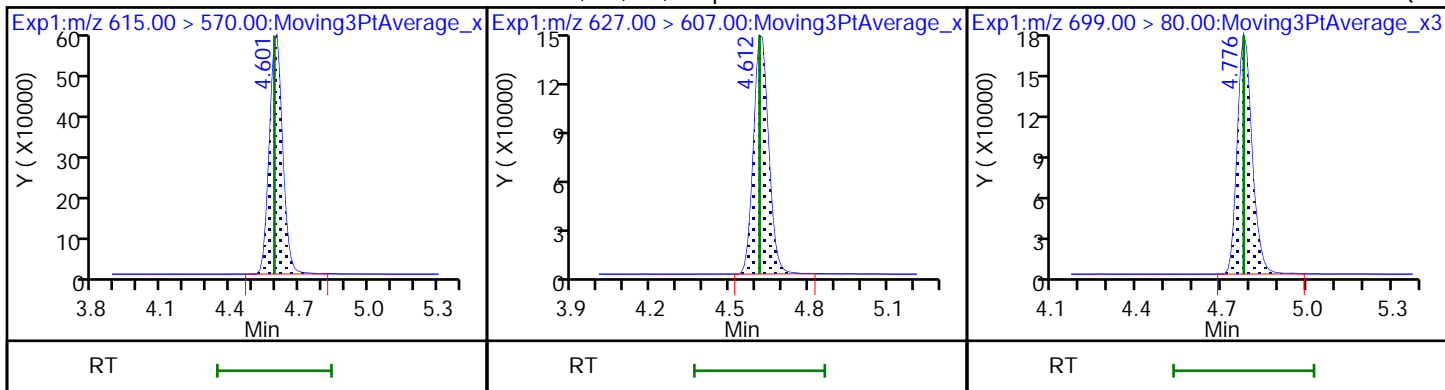
37 Perfluorododecanoic acid (M)



D 36 13C2 PFDaA

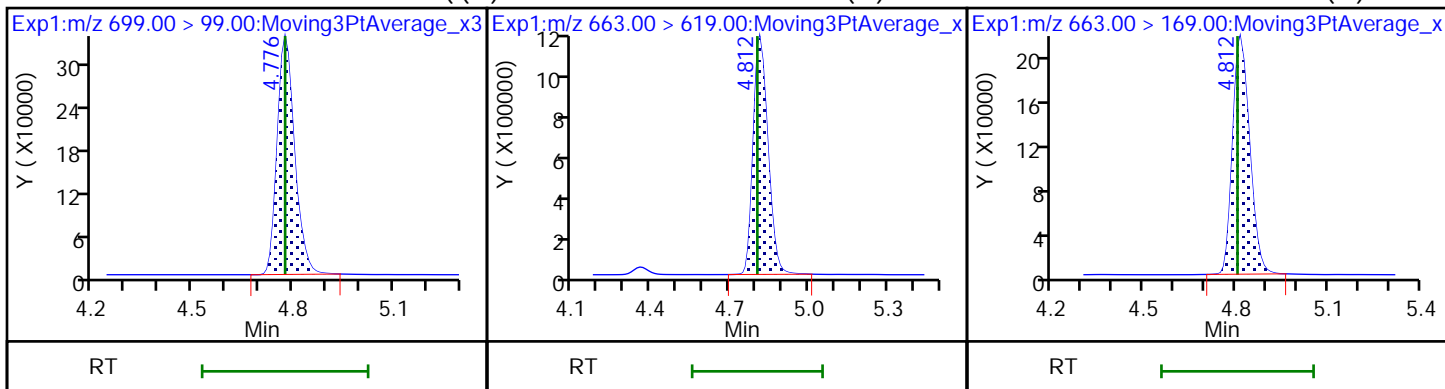
74 1H,1H,2H,2H-perfluorododecanesul

75 Perfluorododecanesulfonic acid (



75 Perfluorododecanesulfonic acid ((M) 41 Perfluorotridecanoic acid (M)

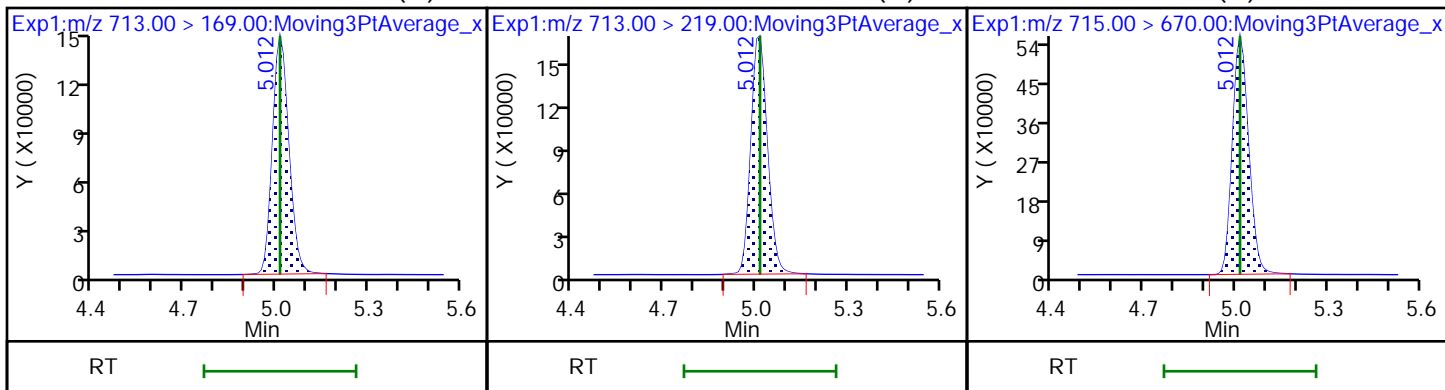
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

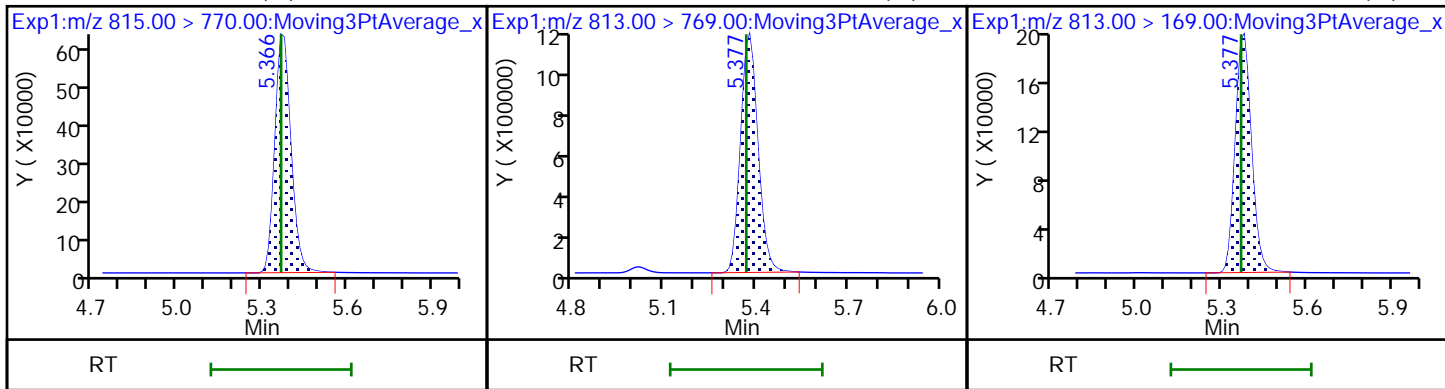
D 43 13C2 PFTeDA (M)



D 44 13C2 PFHxDA (M)

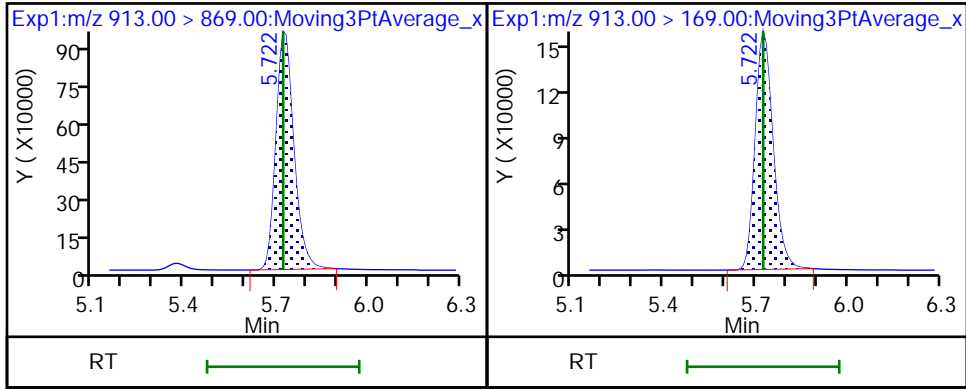
45 Perfluorohexadecanoic acid (M)

45 Perfluorohexadecanoic acid (M)



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

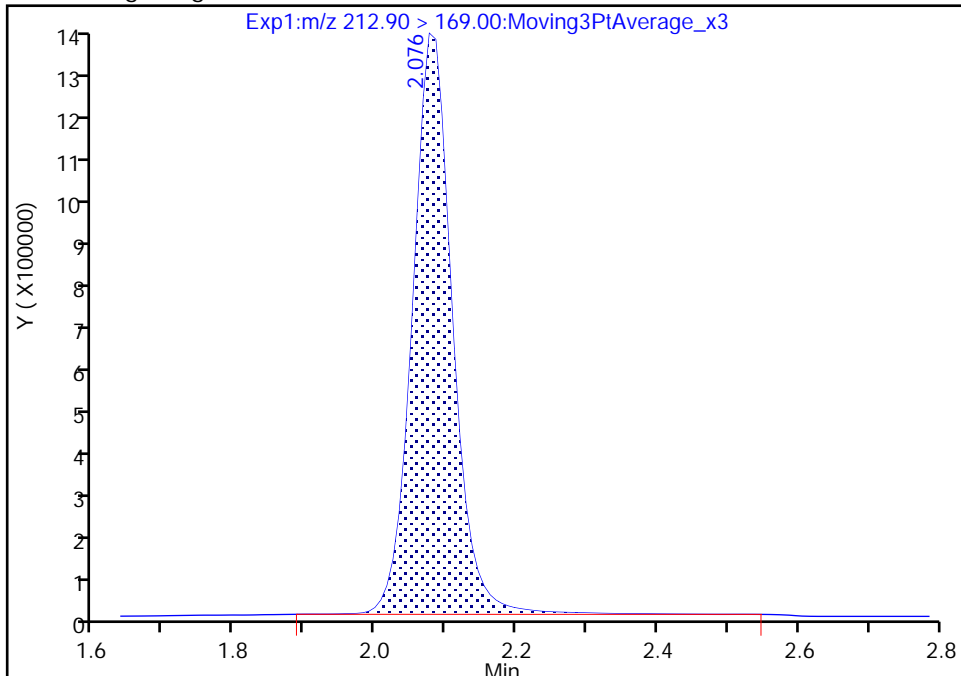
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Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

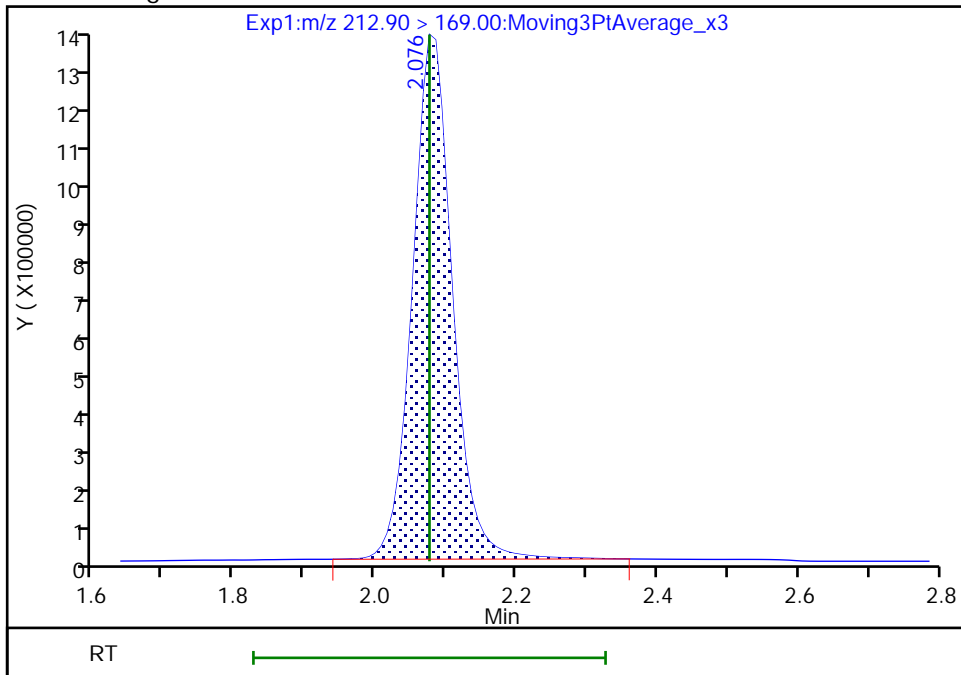
RT: 2.08
Area: 5129420
Amount: 2.272604
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 5105461
Amount: 2.309927
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:13:53
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

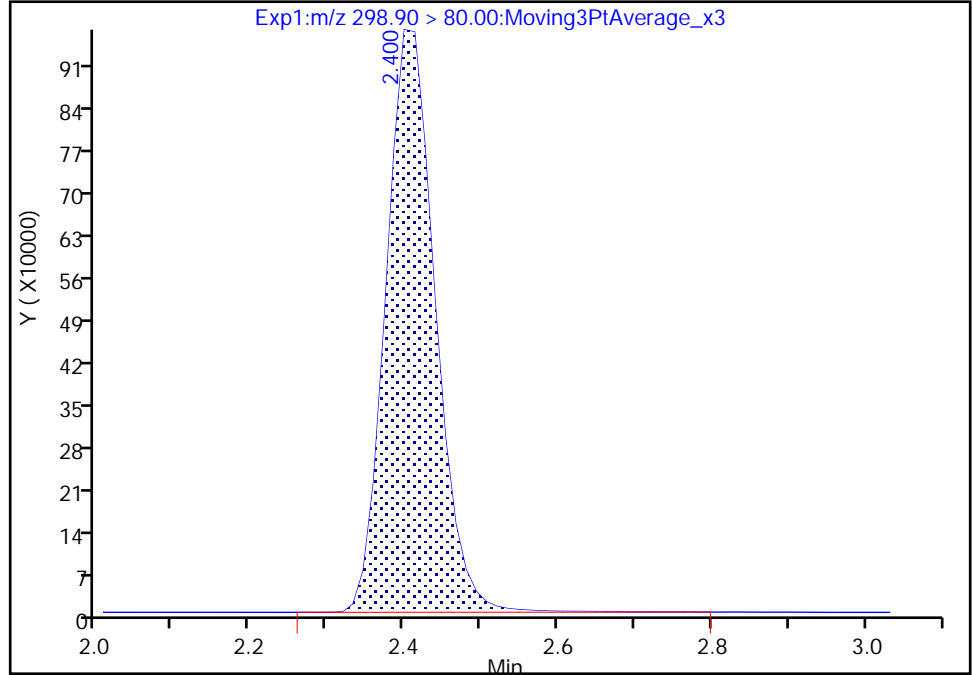
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Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

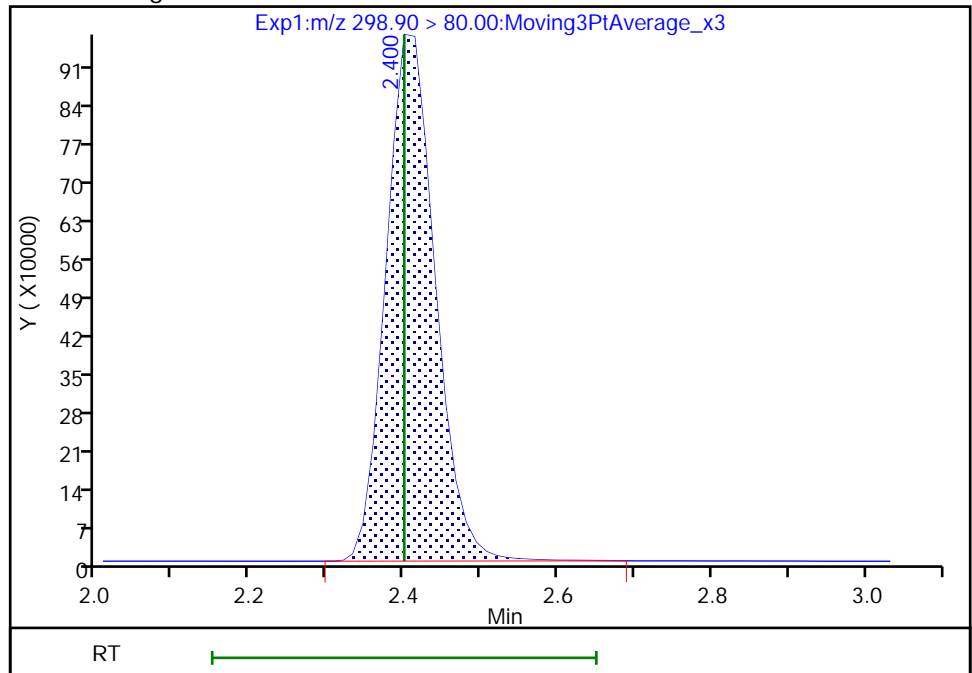
RT: 2.40
Area: 4298516
Amount: 2.130457
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 4292437
Amount: 2.151992
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:14:01
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

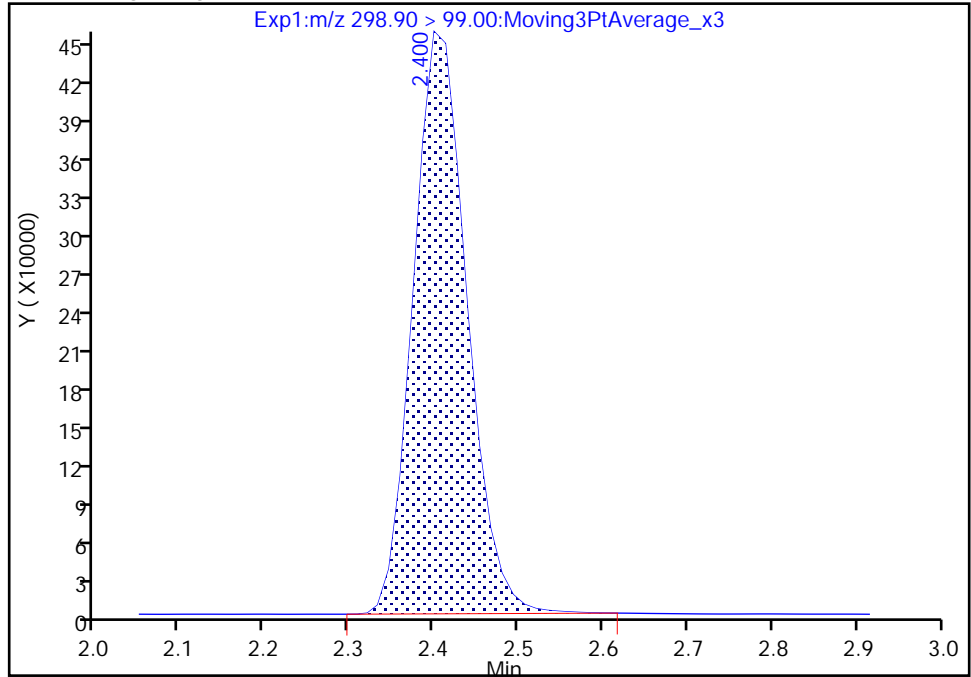
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

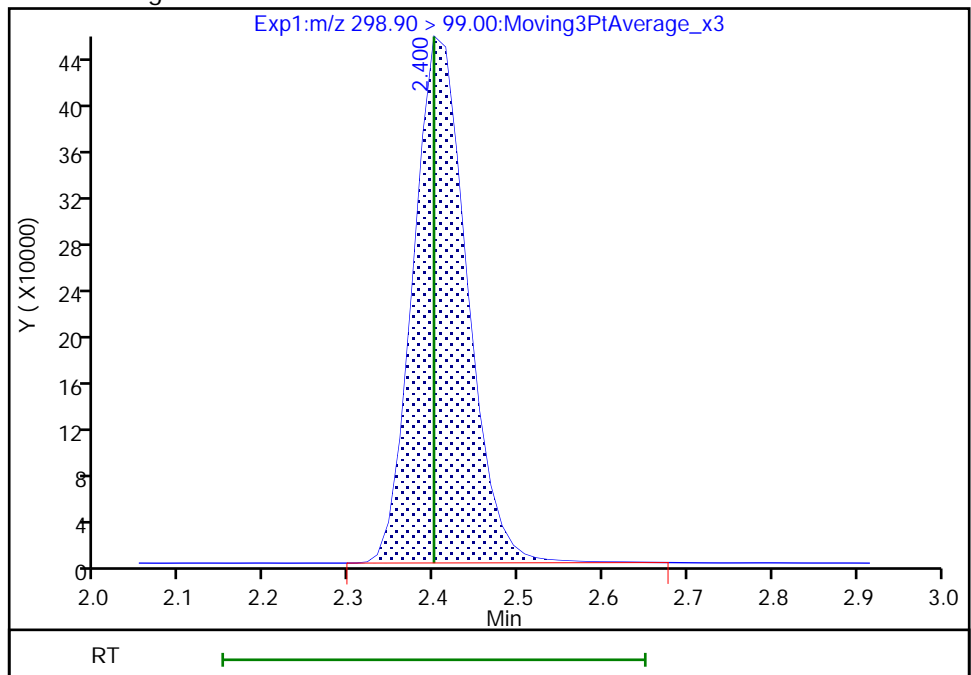
RT: 2.40
Area: 2019708
Amount: 2.130457
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 2025175
Amount: 2.151992
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:14:05

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

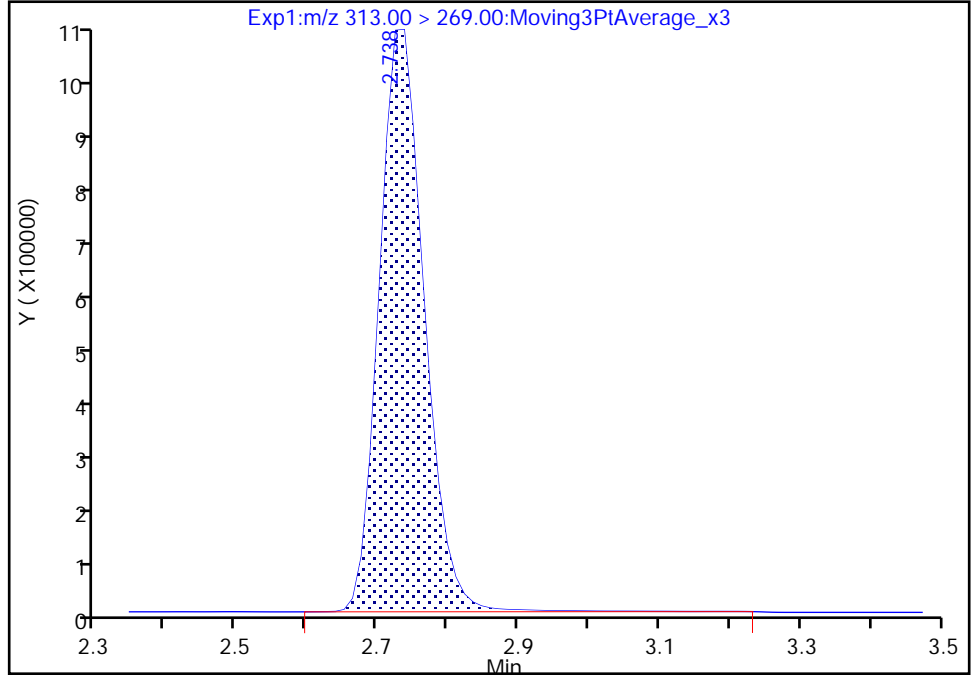
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

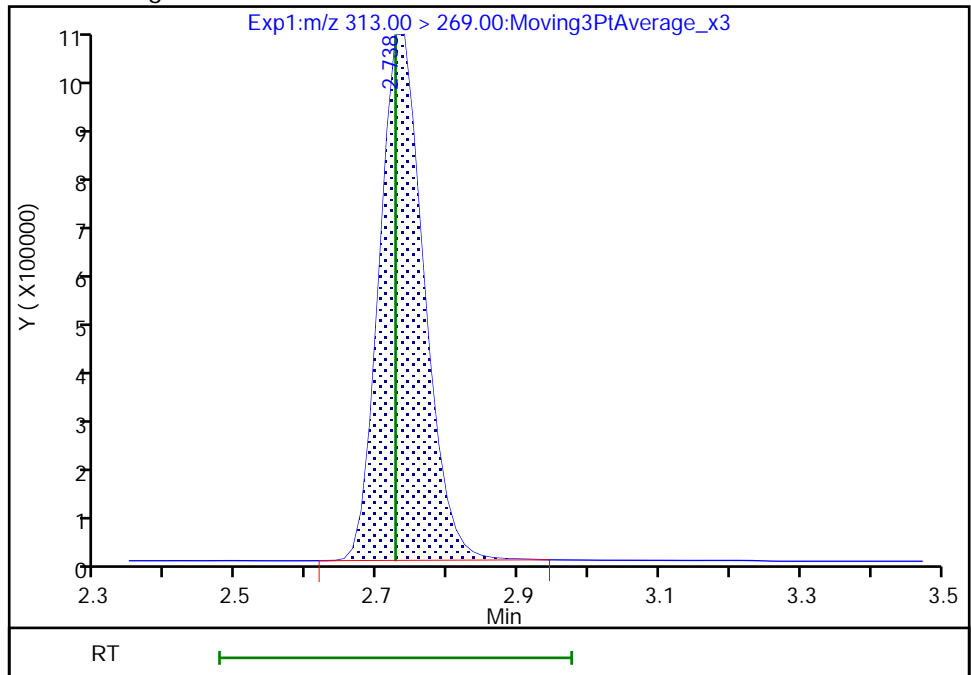
RT: 2.74
Area: 4577392
Amount: 2.375601
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 4547952
Amount: 2.410988
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:14:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

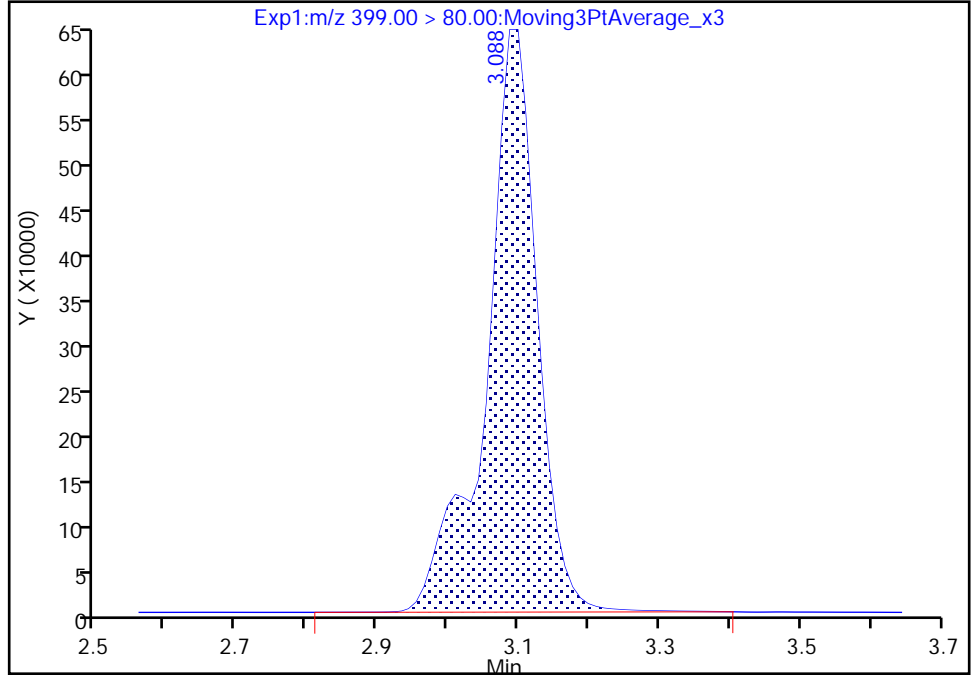
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

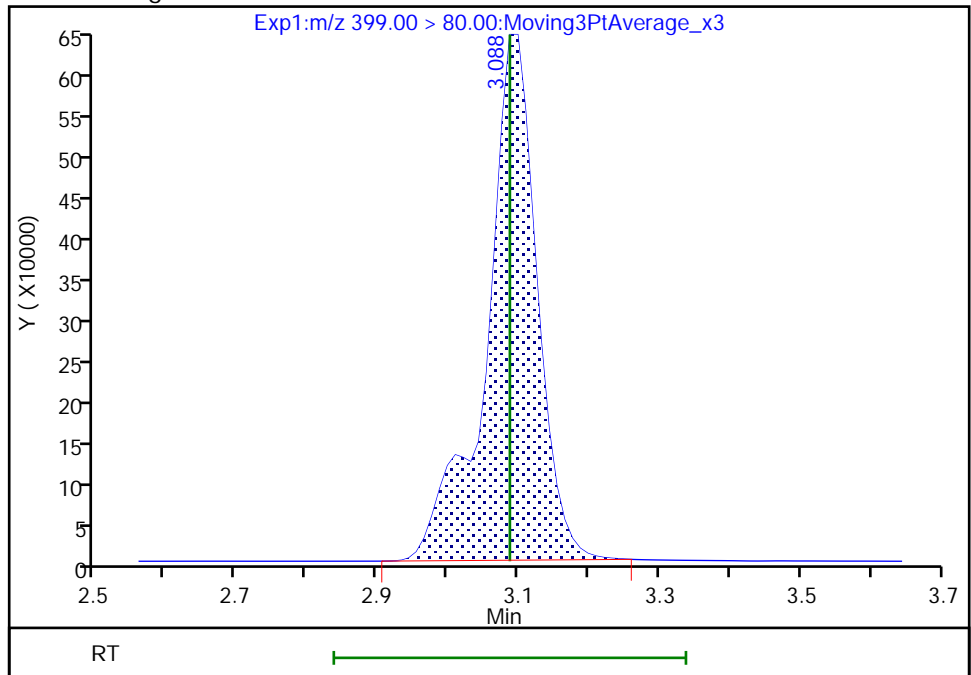
RT: 3.09
Area: 3243457
Amount: 2.251723
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 3217665
Amount: 2.268961
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:14:40
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

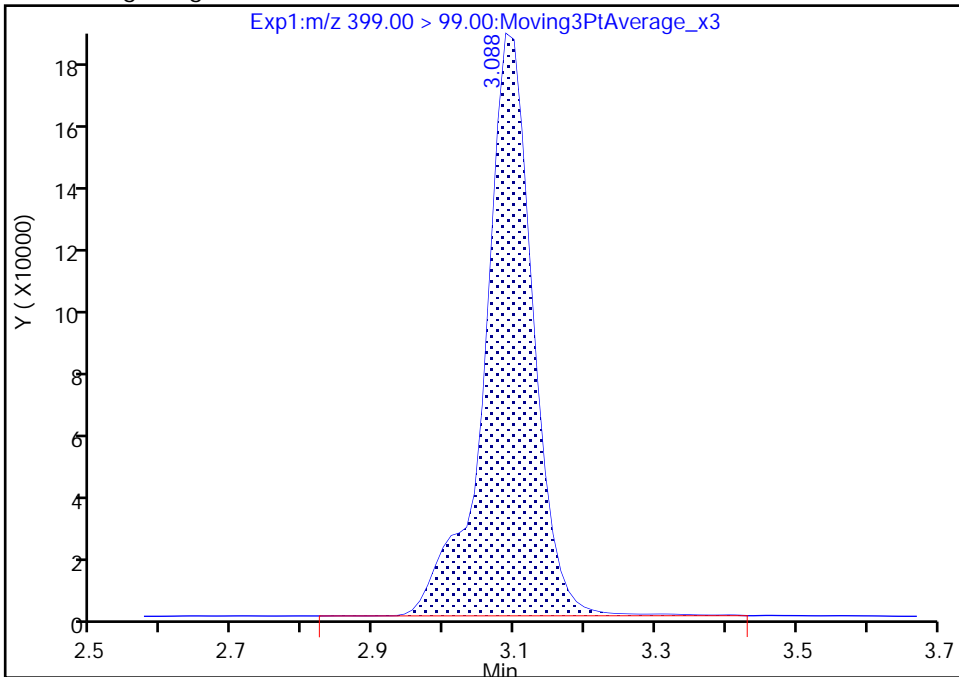
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

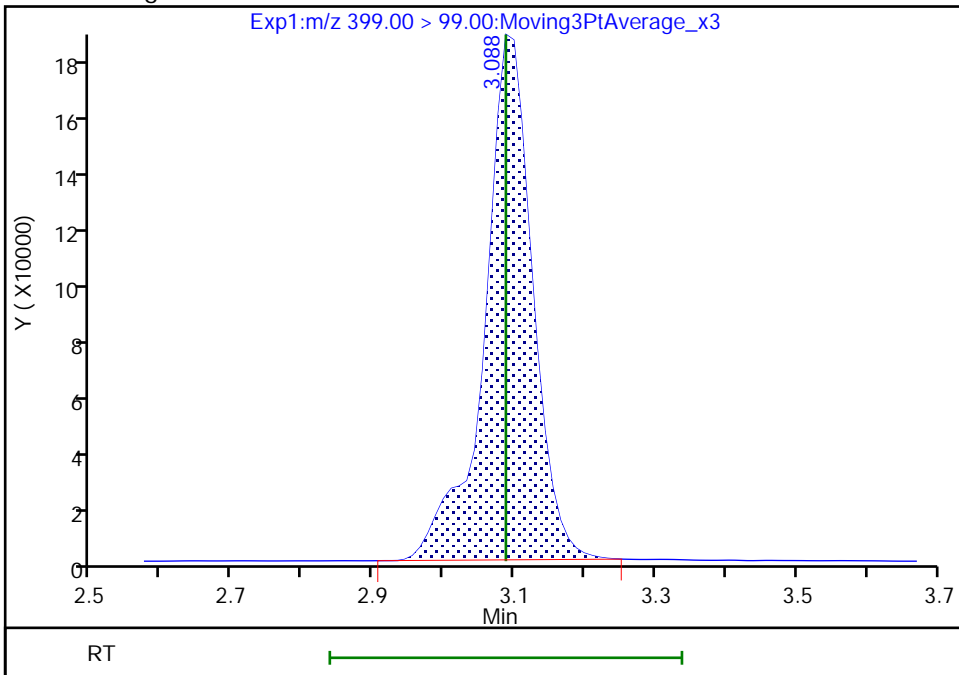
RT: 3.09
Area: 898780
Amount: 2.251723
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 889058
Amount: 2.268961
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:14:44

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

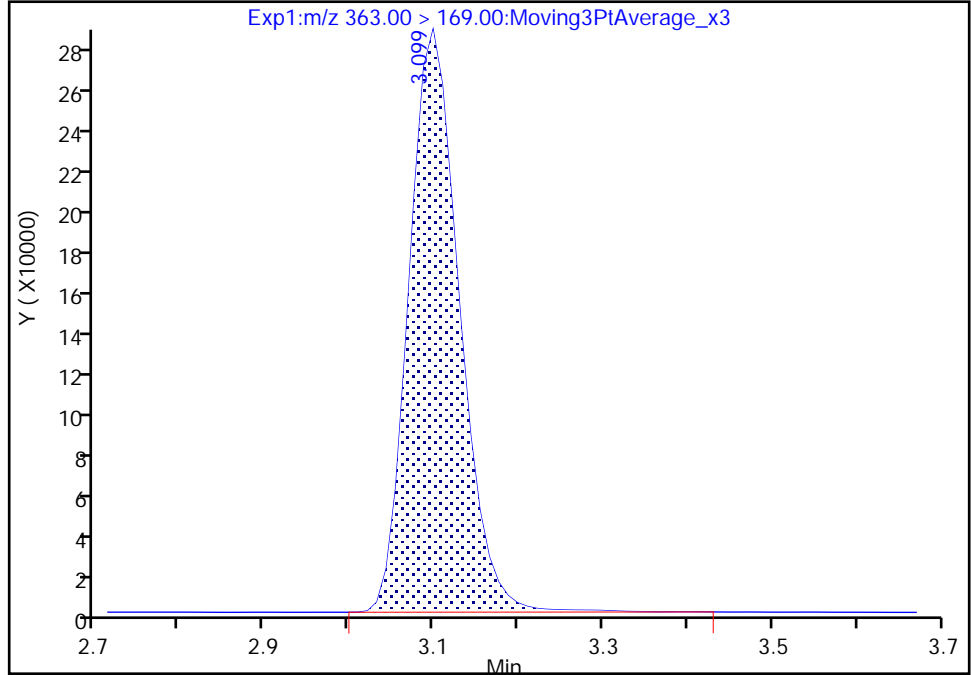
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

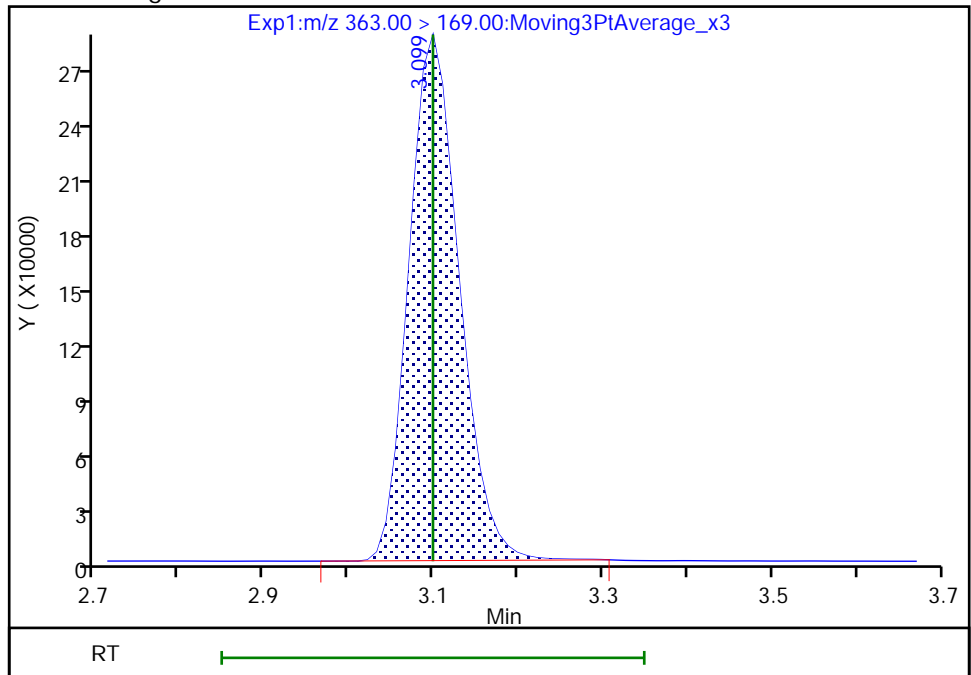
RT: 3.10
Area: 1190139
Amount: 2.284231
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 1182521
Amount: 2.331429
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:14:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

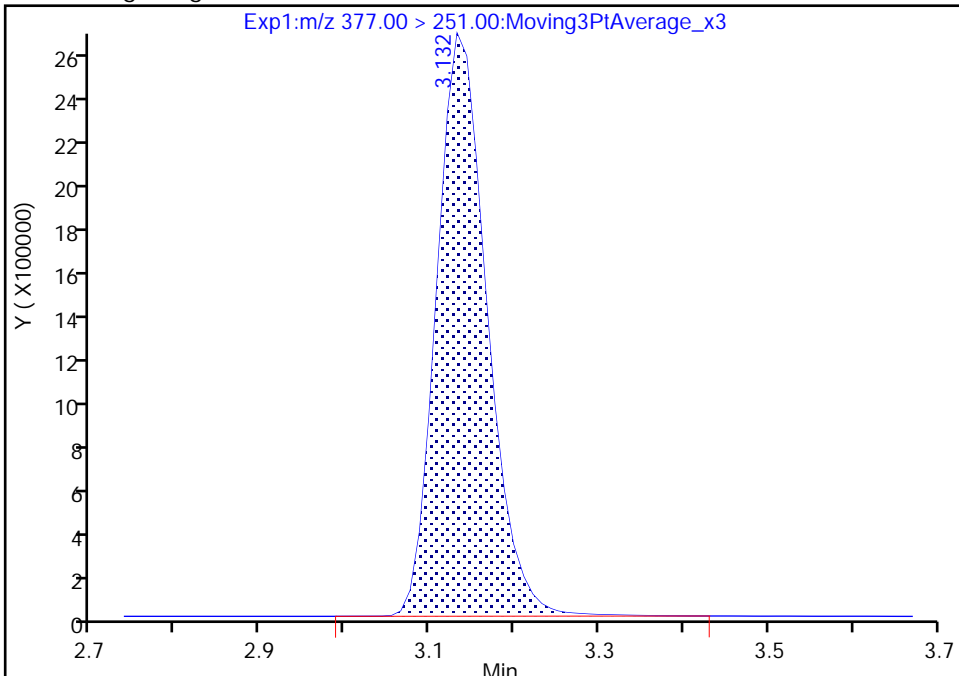
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 1

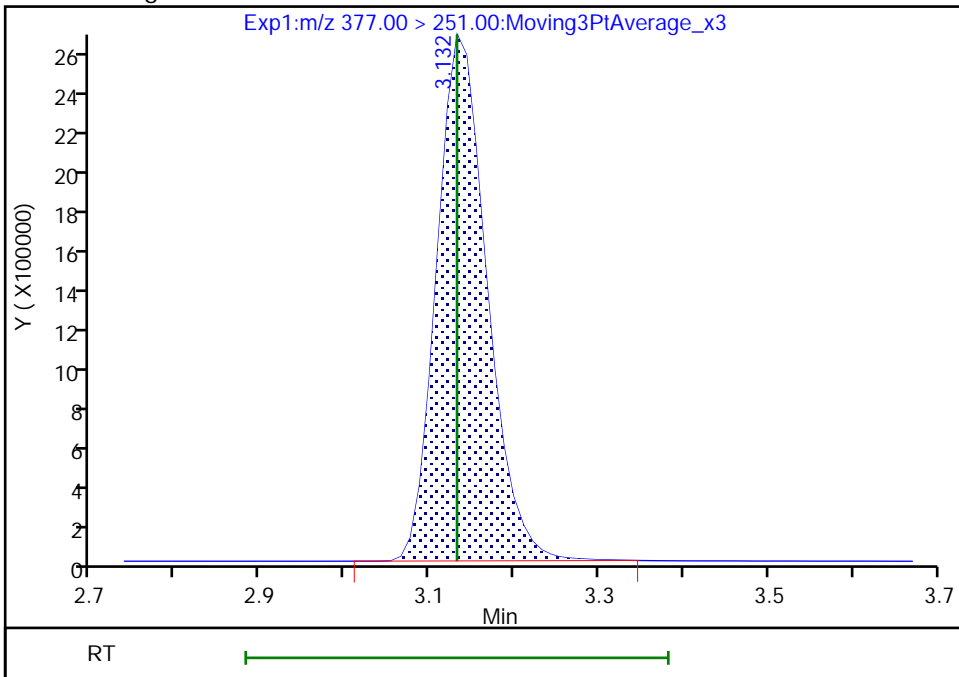
RT: 3.13
Area: 10854434
Amount: 2.160250
Amount Units: ng/ml

Processing Integration Results



RT: 3.13
Area: 10824421
Amount: 2.237483
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:14:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

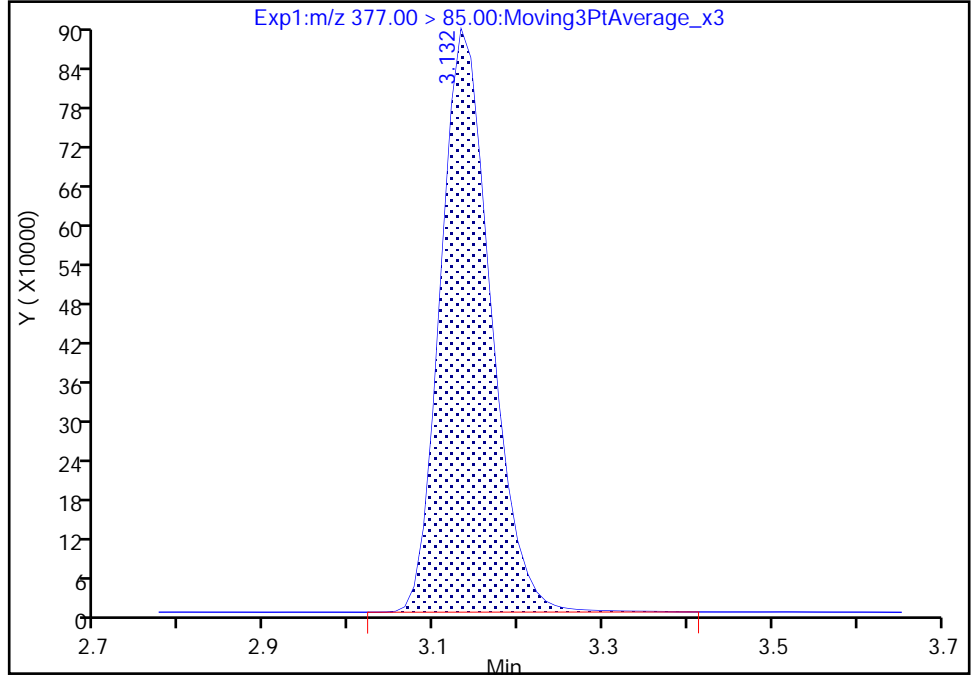
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 2

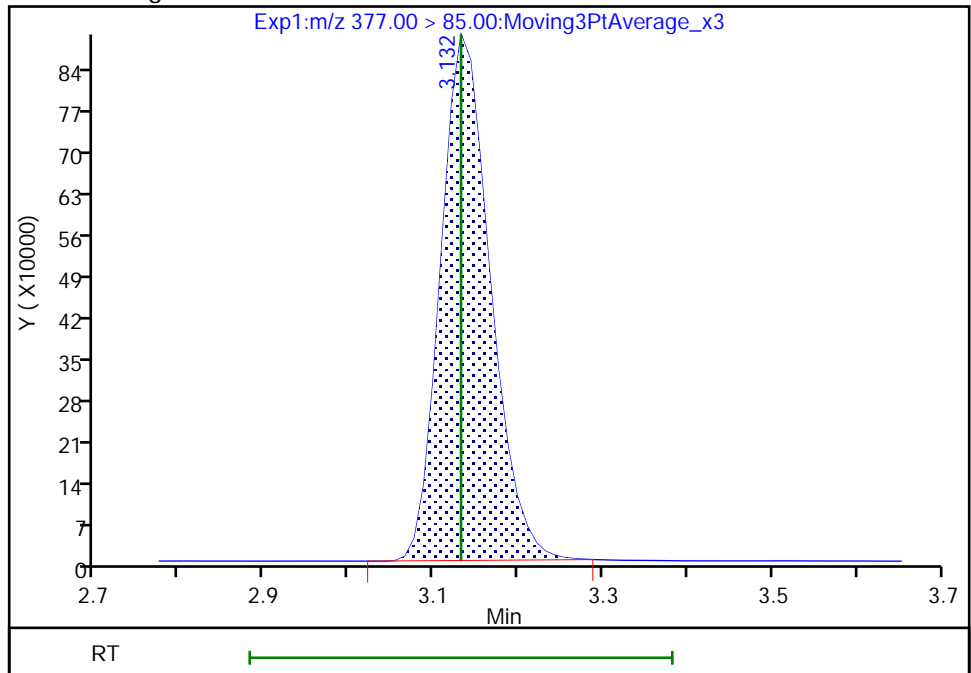
RT: 3.13
Area: 3658251
Amount: 2.160250
Amount Units: ng/ml

Processing Integration Results



RT: 3.13
Area: 3633058
Amount: 2.237483
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:14:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

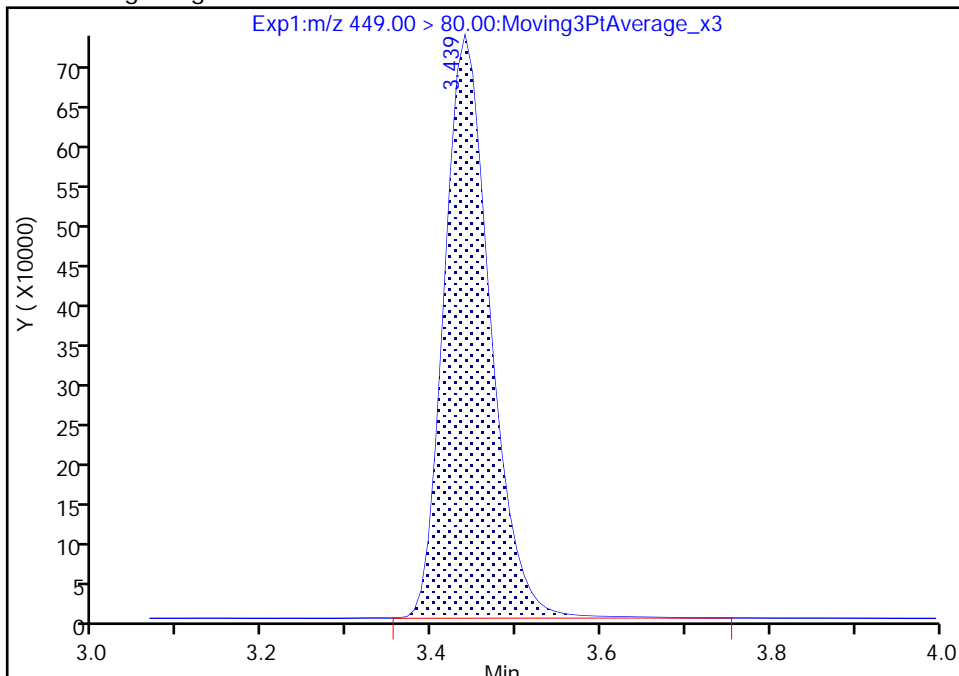
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

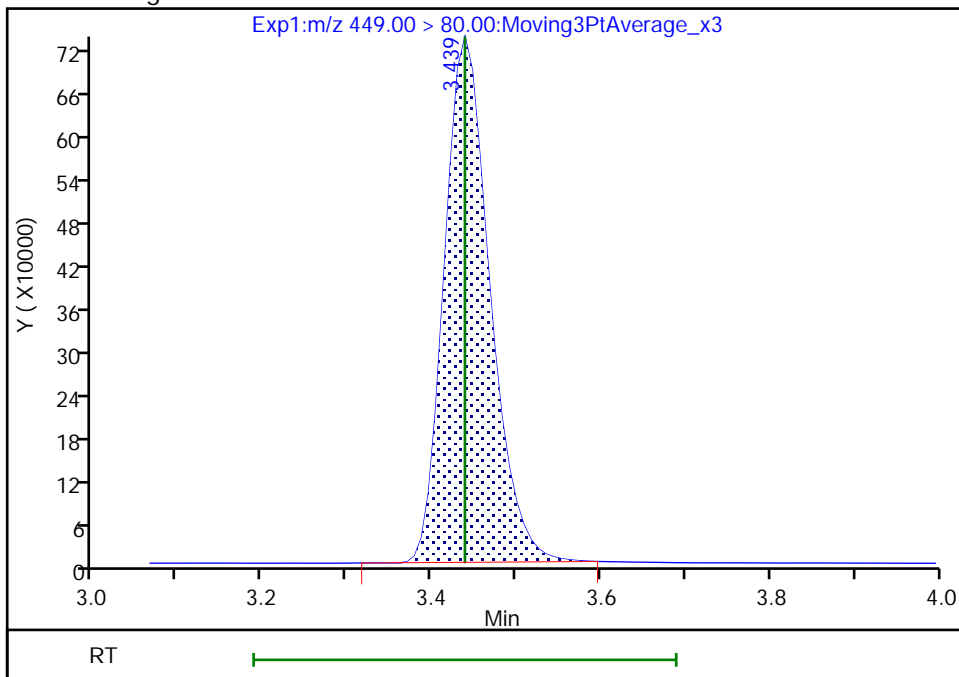
RT: 3.44
Area: 2770748
Amount: 2.218630
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 2744265
Amount: 2.236625
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:15:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

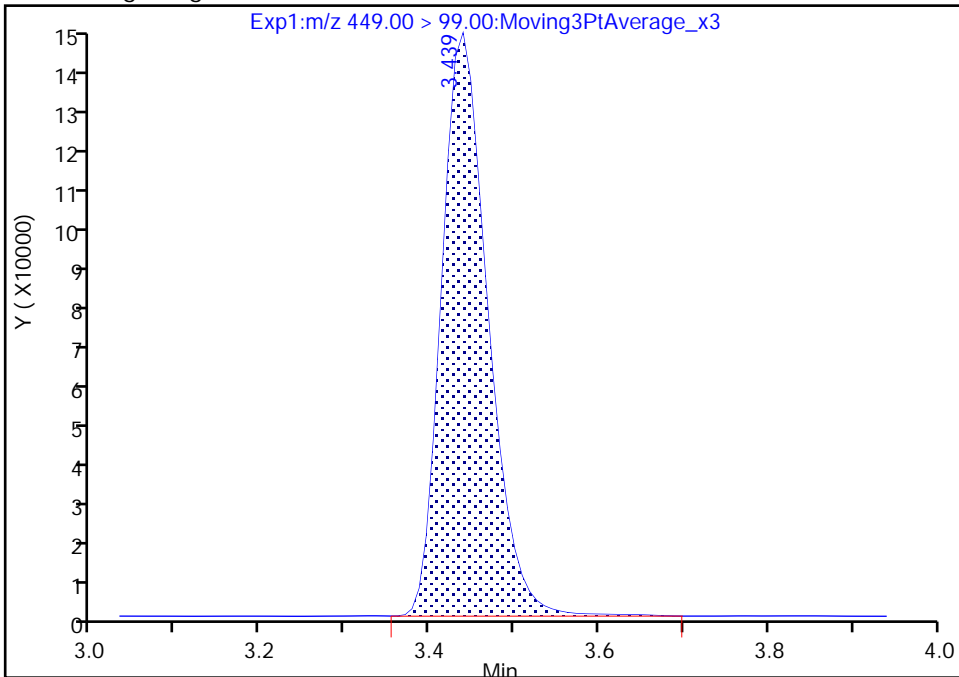
Data File:	\\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d		
Injection Date:	18-Nov-2022 15:02:36	Instrument ID:	LC812
Lims ID:	IC		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	6 Worklist Smp#: 9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

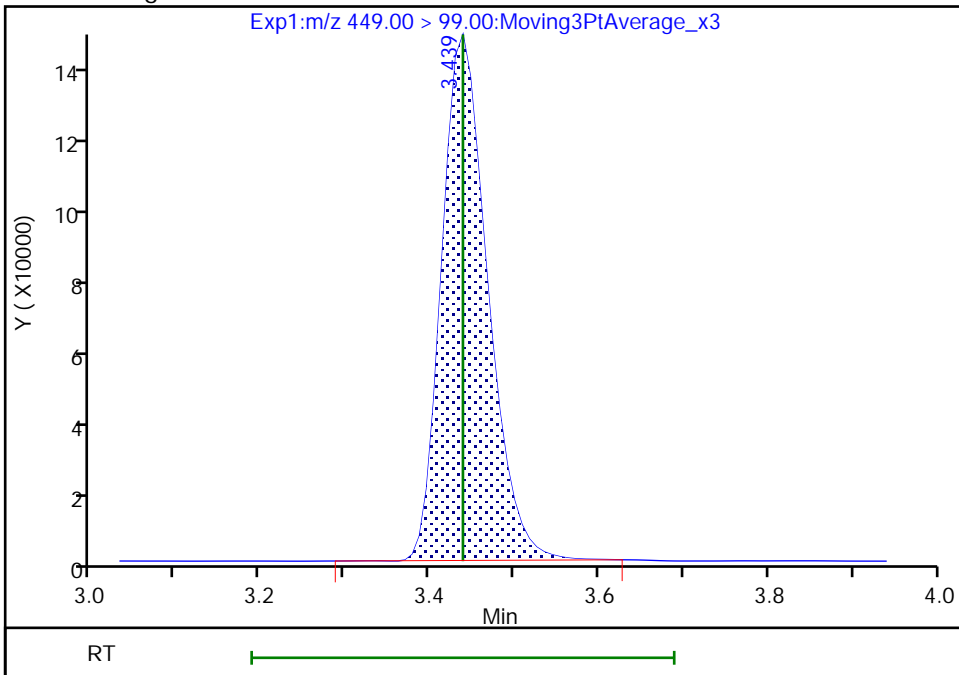
RT: 3.44
 Area: 547308
 Amount: 2.218630
 Amount Units: ng/ml

Processing Integration Results



RT: 3.44
 Area: 543093
 Amount: 2.236625
 Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:15:08
 Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
 Page 495 of 1085

Eurofins Burlington

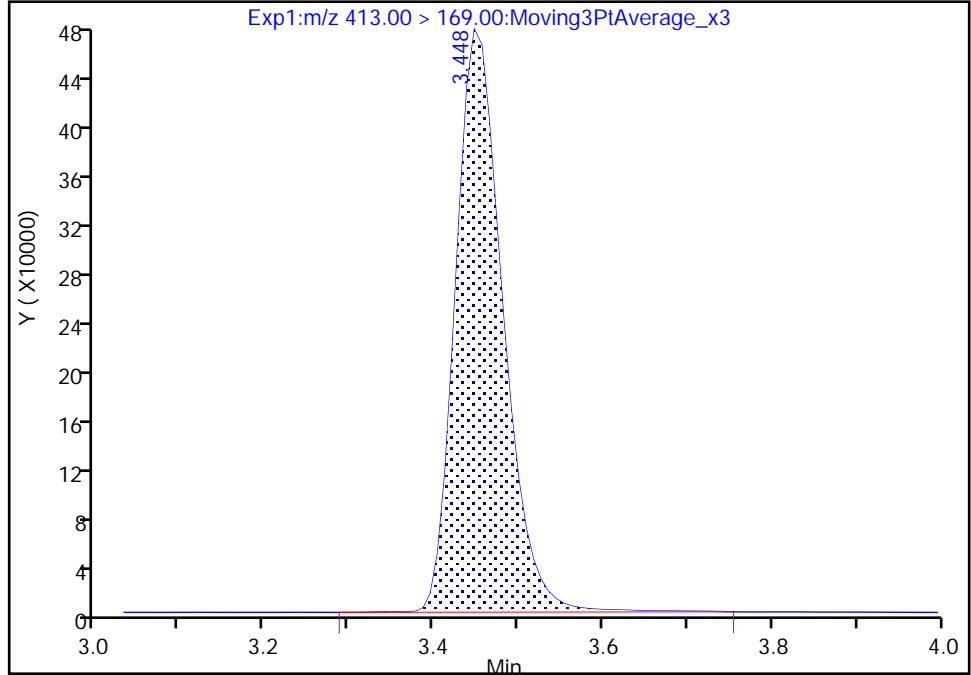
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

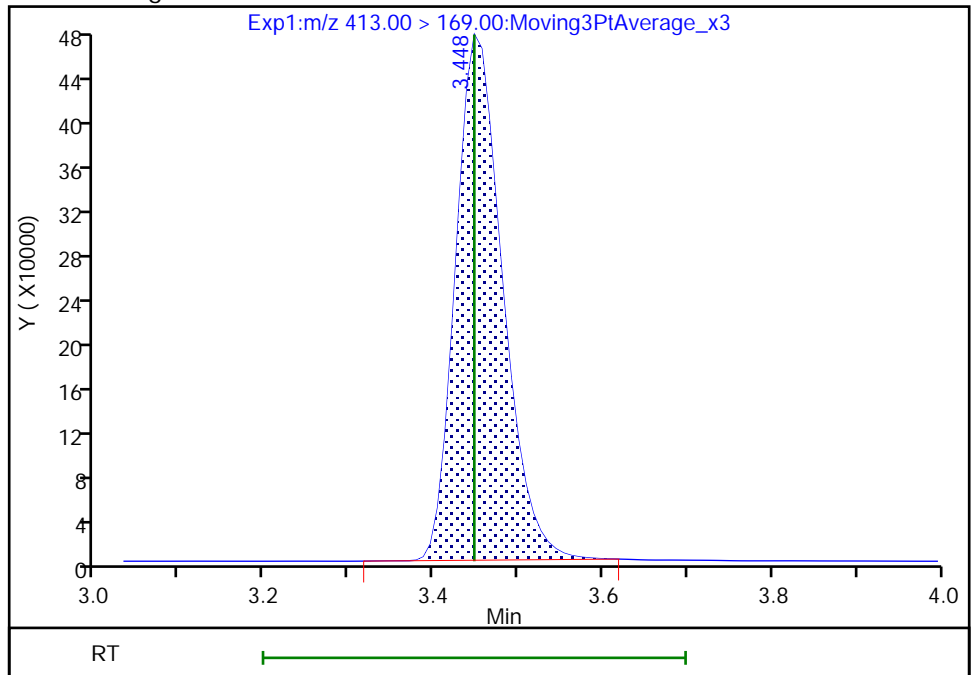
RT: 3.45
Area: 1843216
Amount: 2.392012
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 1822258
Amount: 2.439483
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:15:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

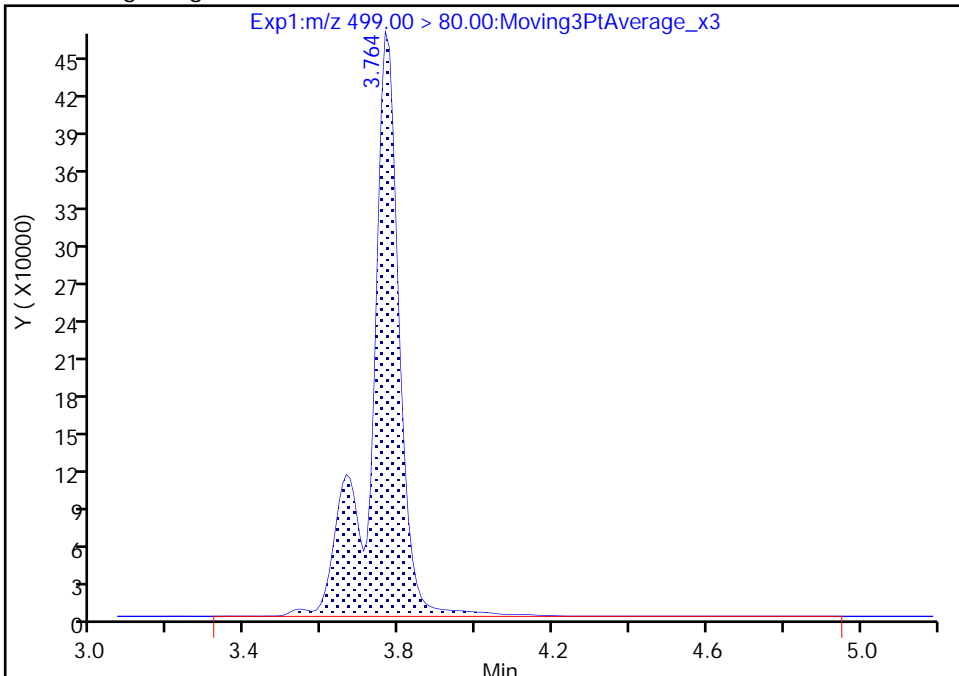
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

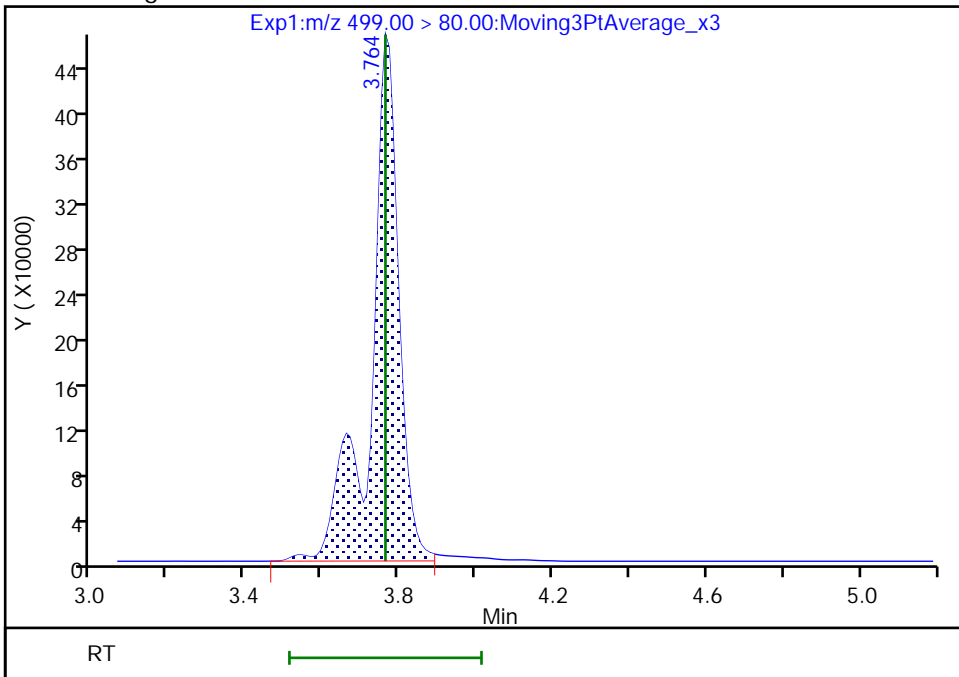
RT: 3.76
Area: 2390090
Amount: 2.188375
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 2338057
Amount: 2.188506
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:15:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

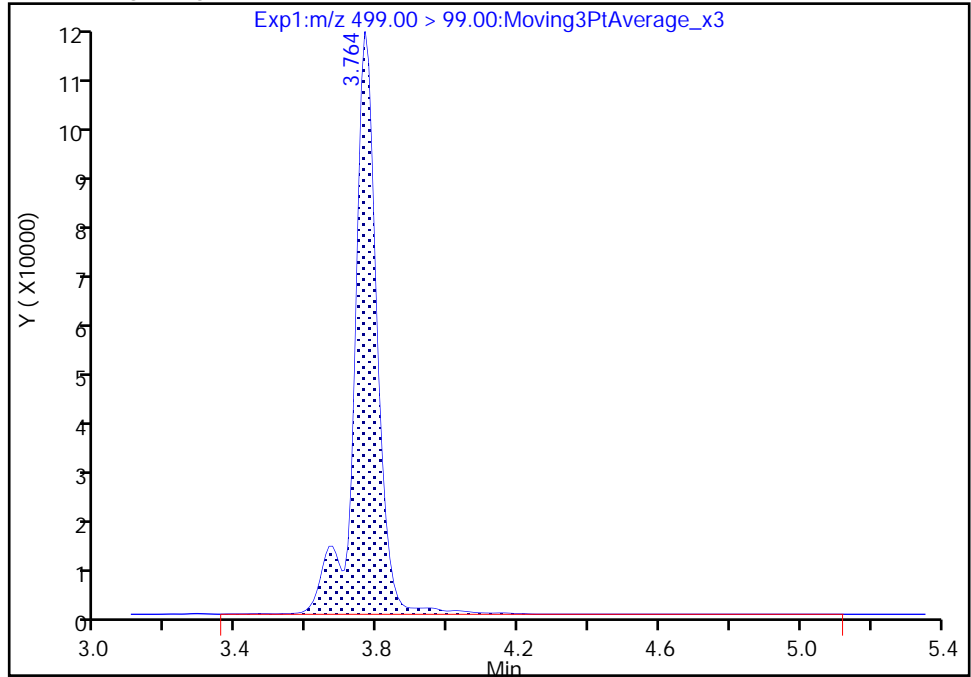
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

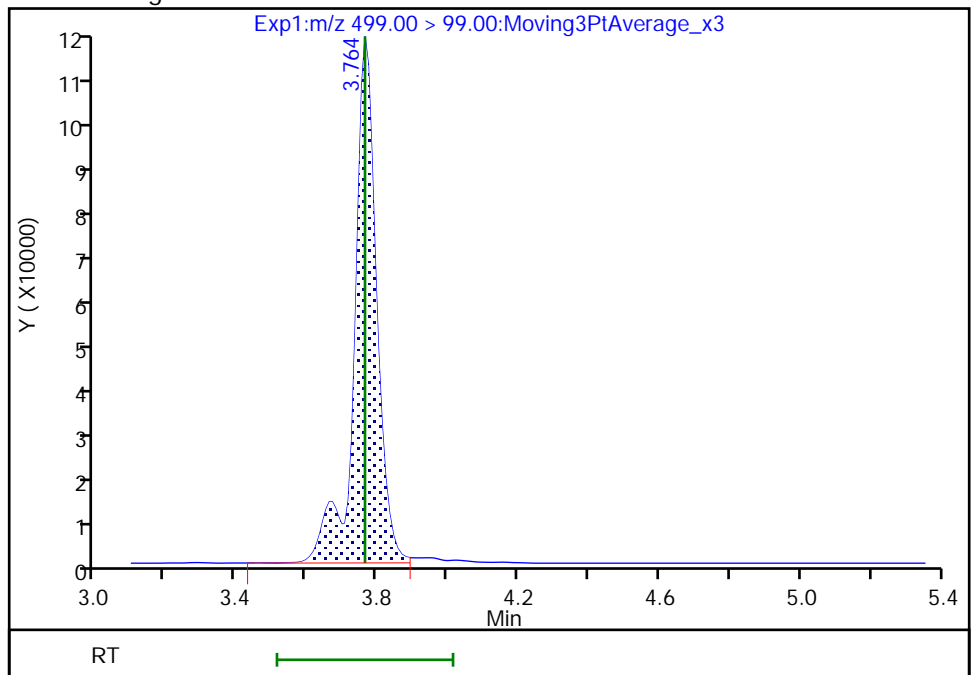
RT: 3.76
Area: 503068
Amount: 2.188375
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 491265
Amount: 2.188506
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:15:56

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

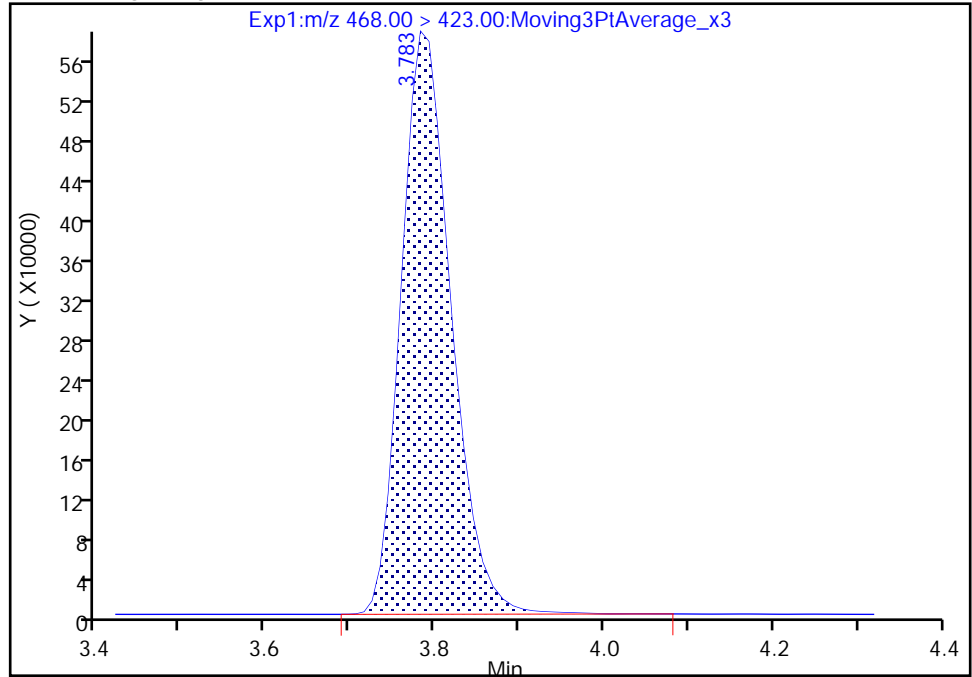
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 19 13C5 PFNA, CAS: STL00995
Signal: 1

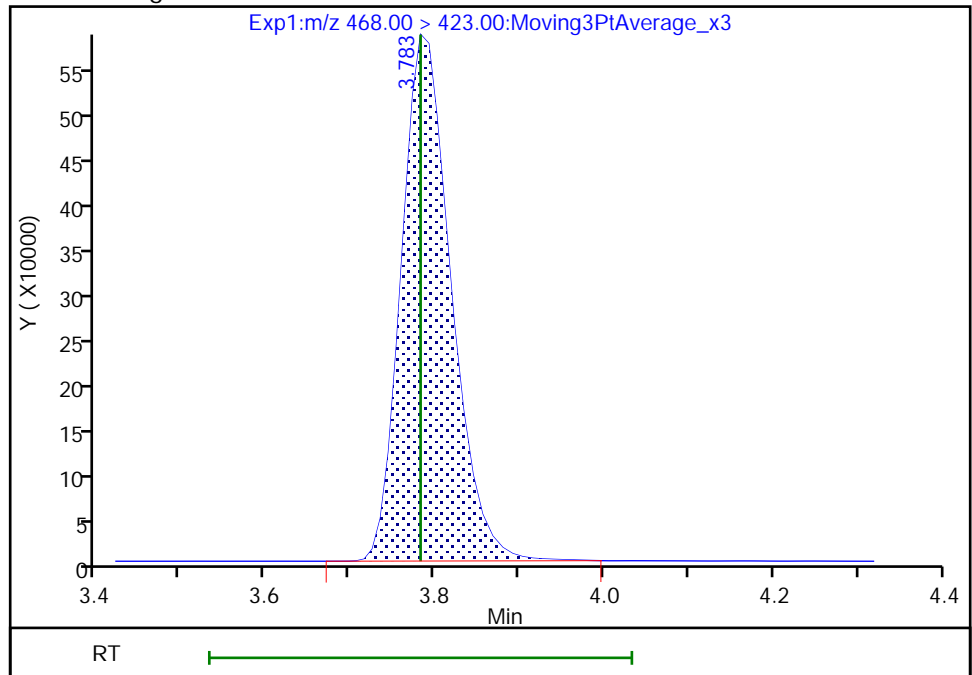
RT: 3.78
Area: 2405533
Amount: 1.262145
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 2401890
Amount: 1.260675
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:16:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

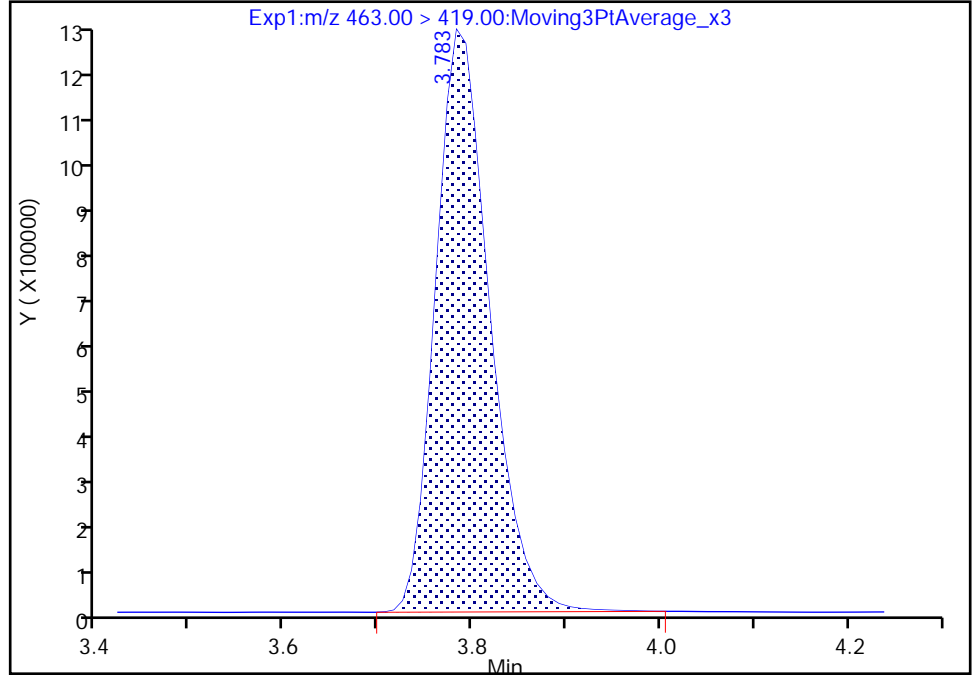
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

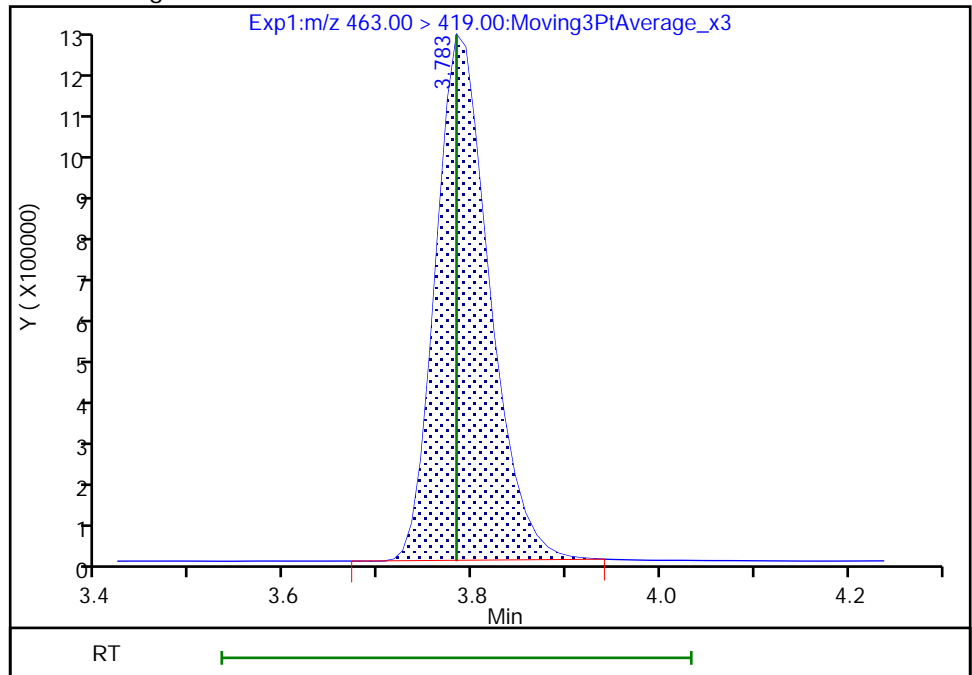
RT: 3.78
Area: 4963599
Amount: 2.455713
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 4930997
Amount: 2.473798
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:16:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

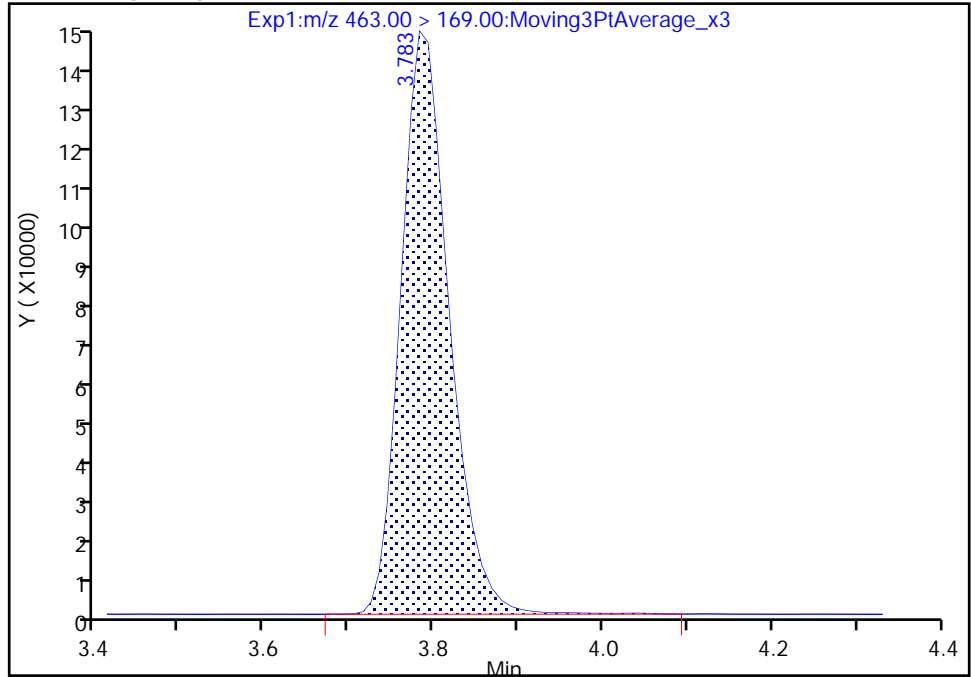
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

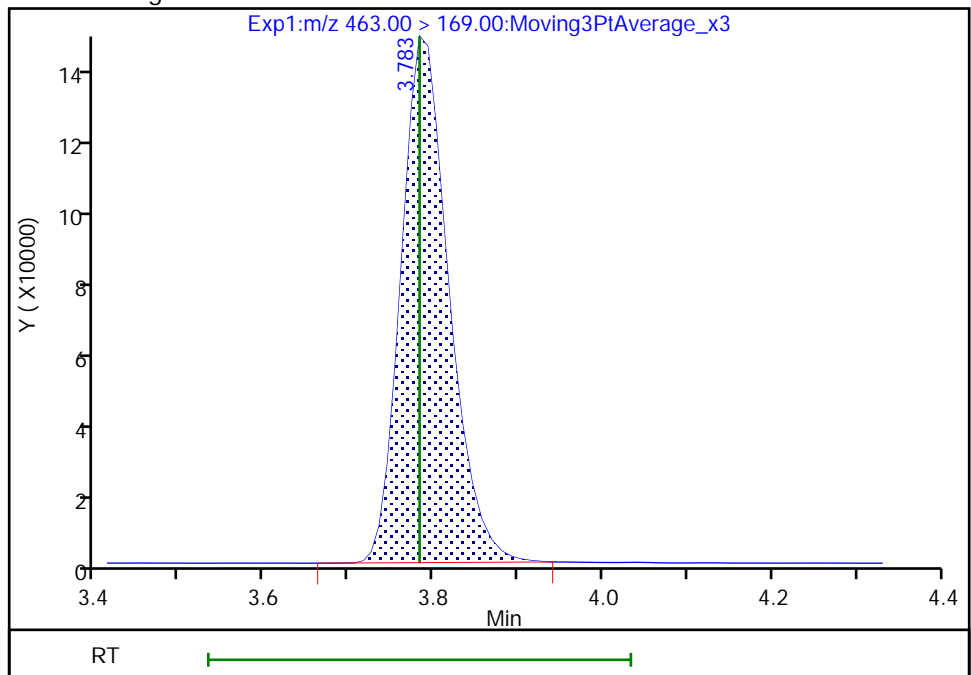
RT: 3.78
Area: 590176
Amount: 2.455713
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 586103
Amount: 2.473798
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:16:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

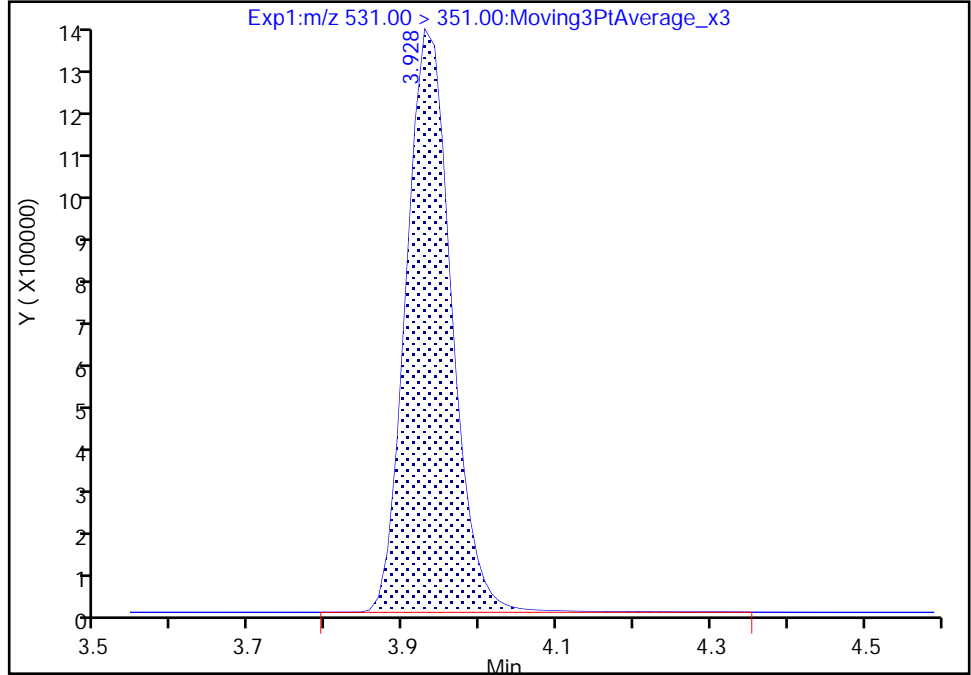
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

69 9-Chlorohexadecafluoro-3-oxanona, CAS: 756426-58-1

Signal: 1

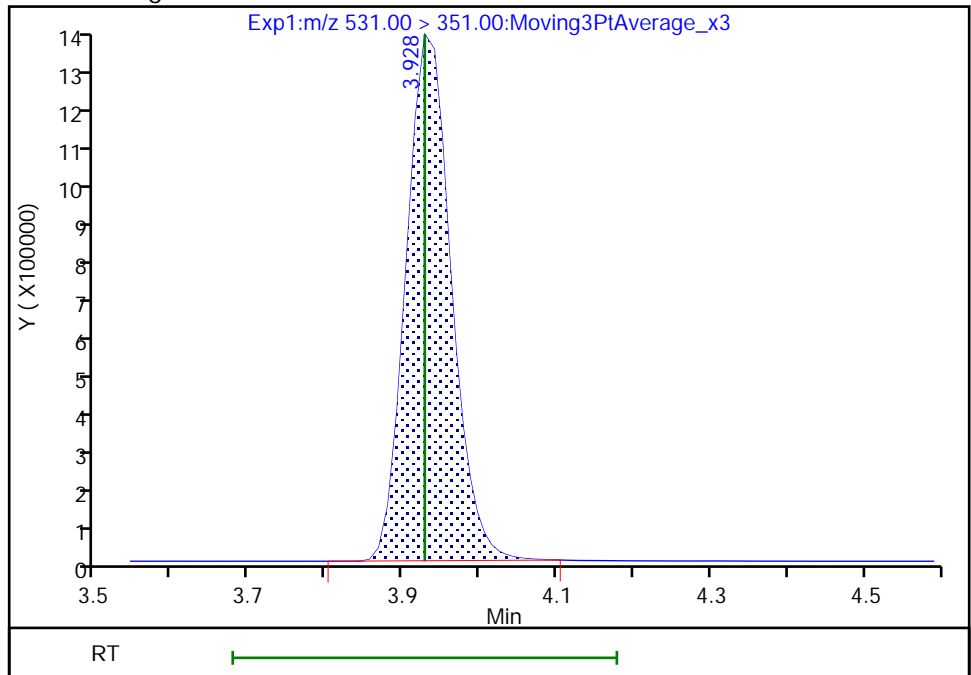
RT: 3.93
Area: 5551905
Amount: 2.217261
Amount Units: ng/ml

Processing Integration Results



RT: 3.93
Area: 5512960
Amount: 2.248411
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:16:48
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

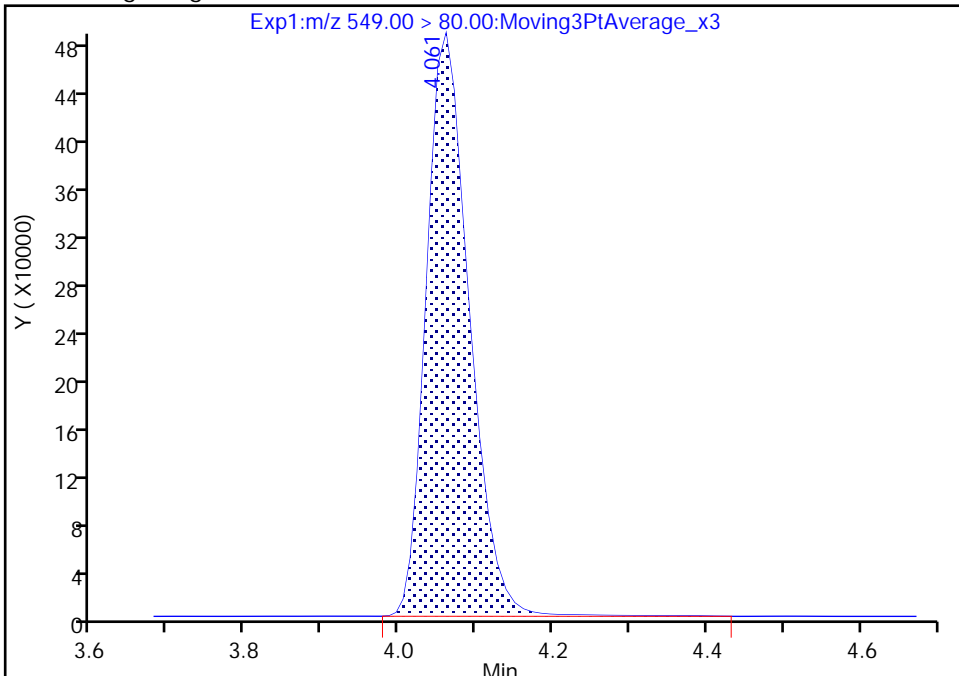
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 1

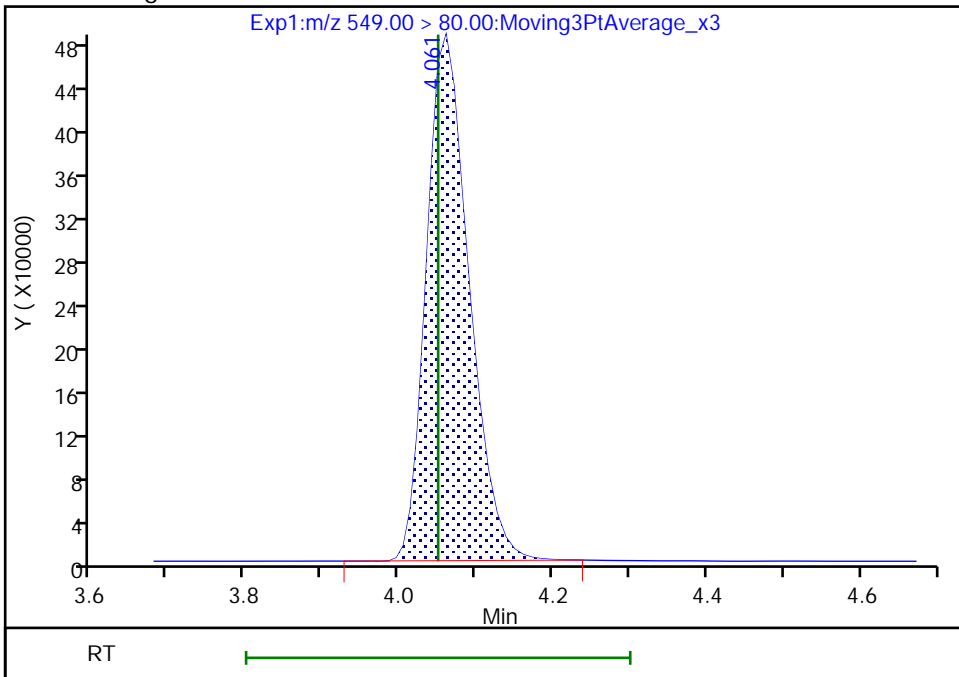
RT: 4.06
Area: 1886351
Amount: 2.304603
Amount Units: ng/ml

Processing Integration Results



RT: 4.06
Area: 1871298
Amount: 2.320704
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:16:55
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

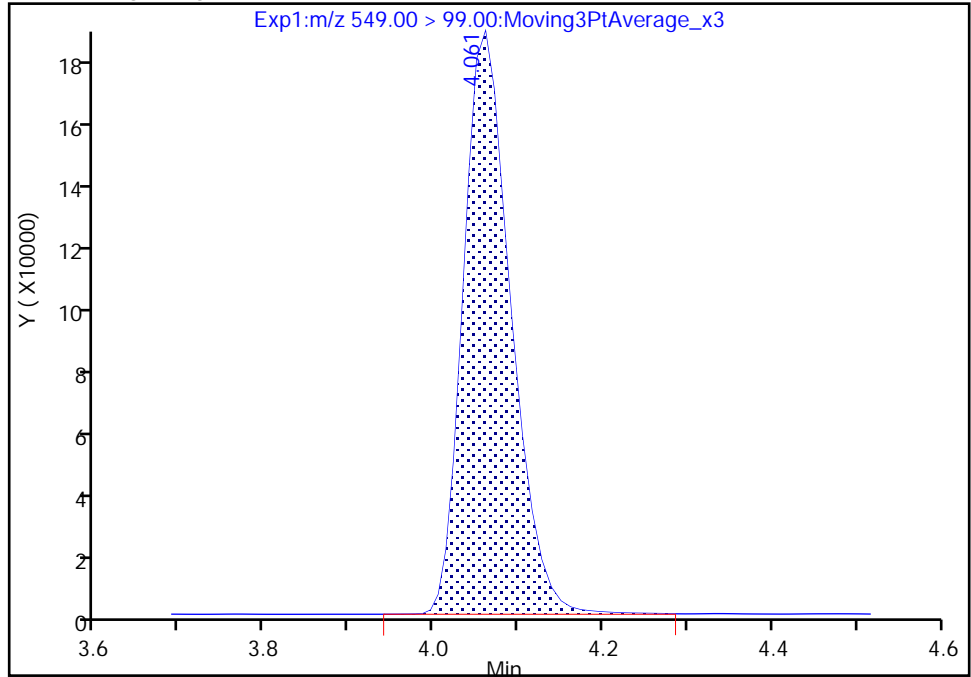
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 2

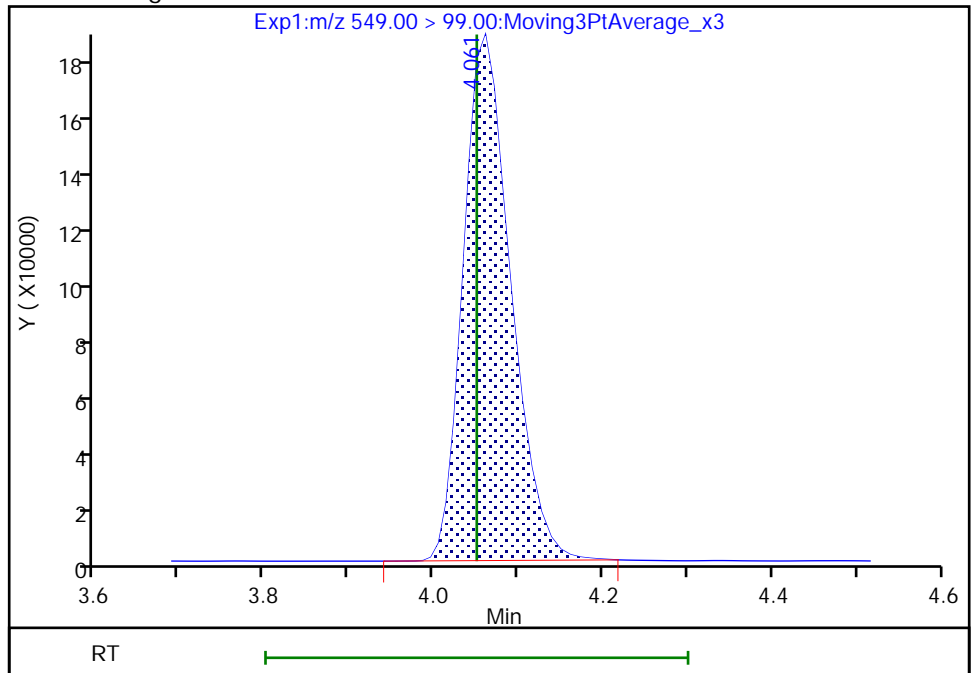
RT: 4.06
Area: 731815
Amount: 2.304603
Amount Units: ng/ml

Processing Integration Results



RT: 4.06
Area: 726837
Amount: 2.320704
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:16:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

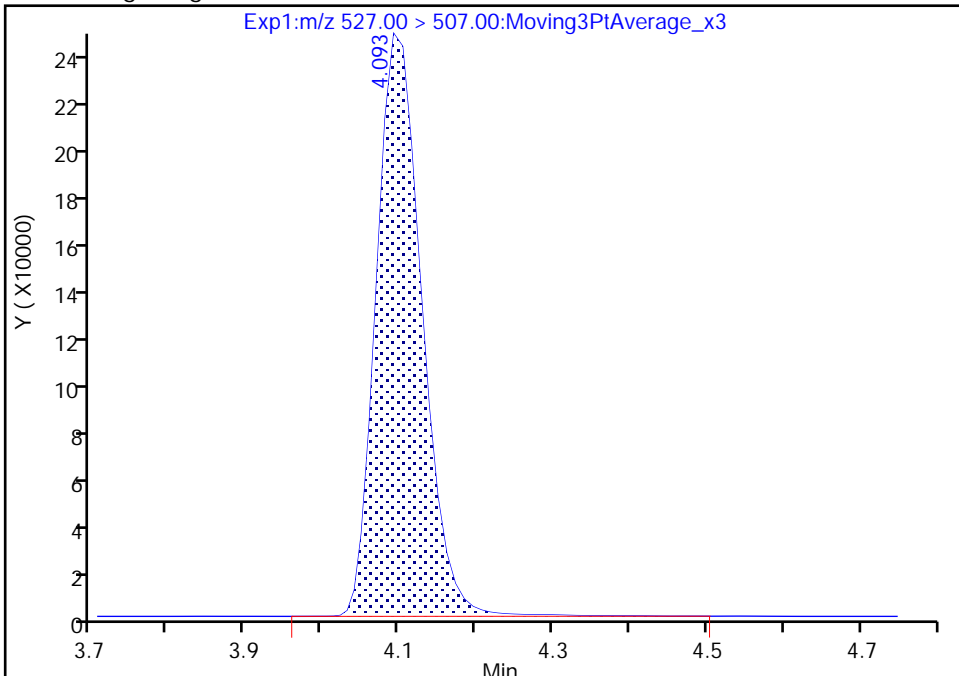
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

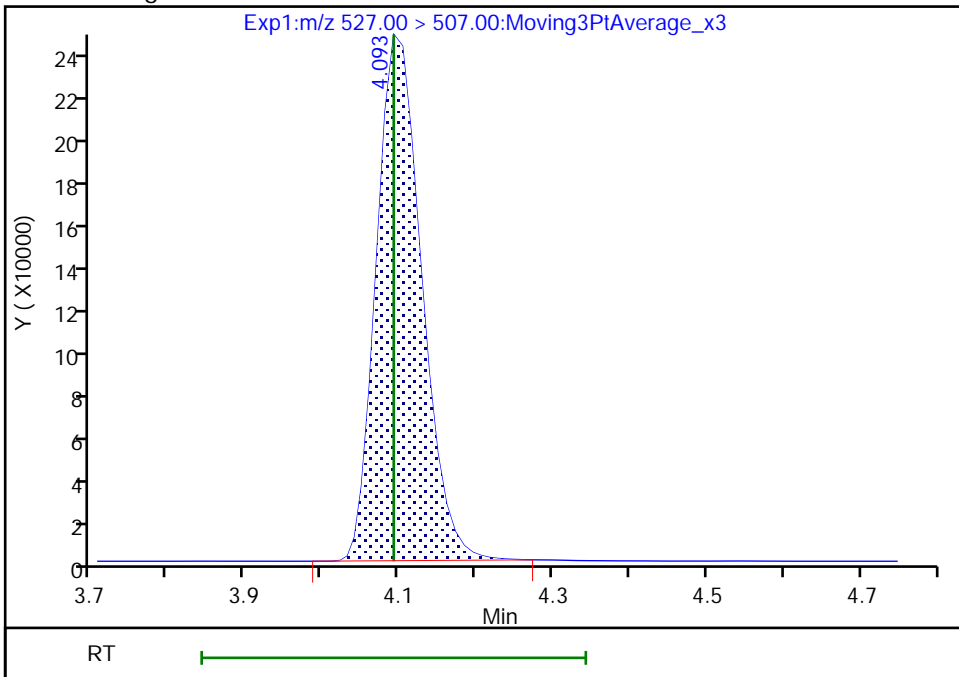
RT: 4.09
Area: 1022916
Amount: 2.334633
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 1014644
Amount: 2.339445
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:17:10
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

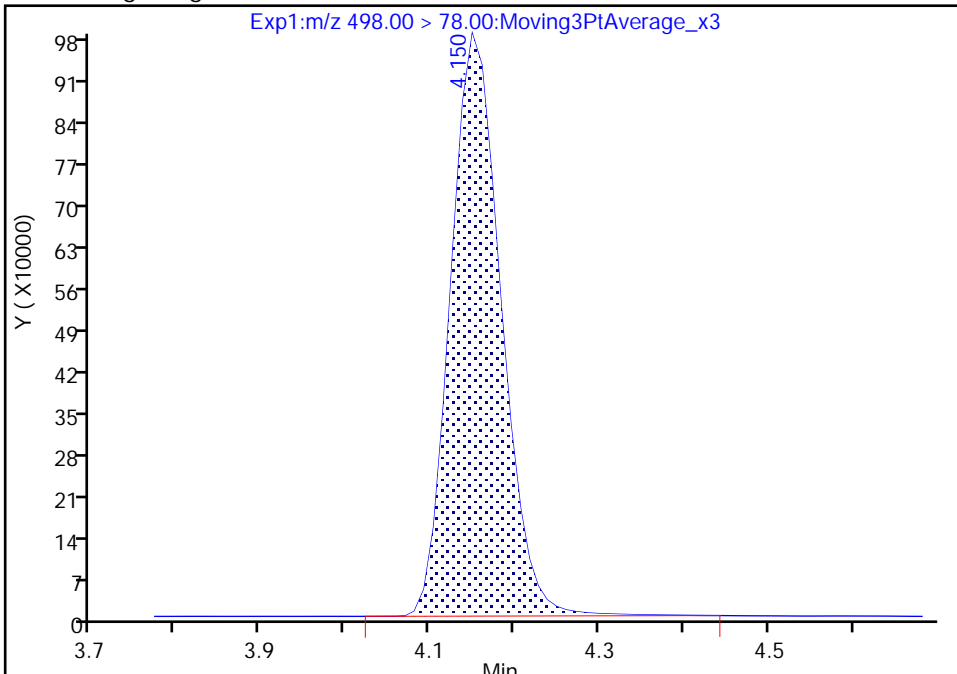
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

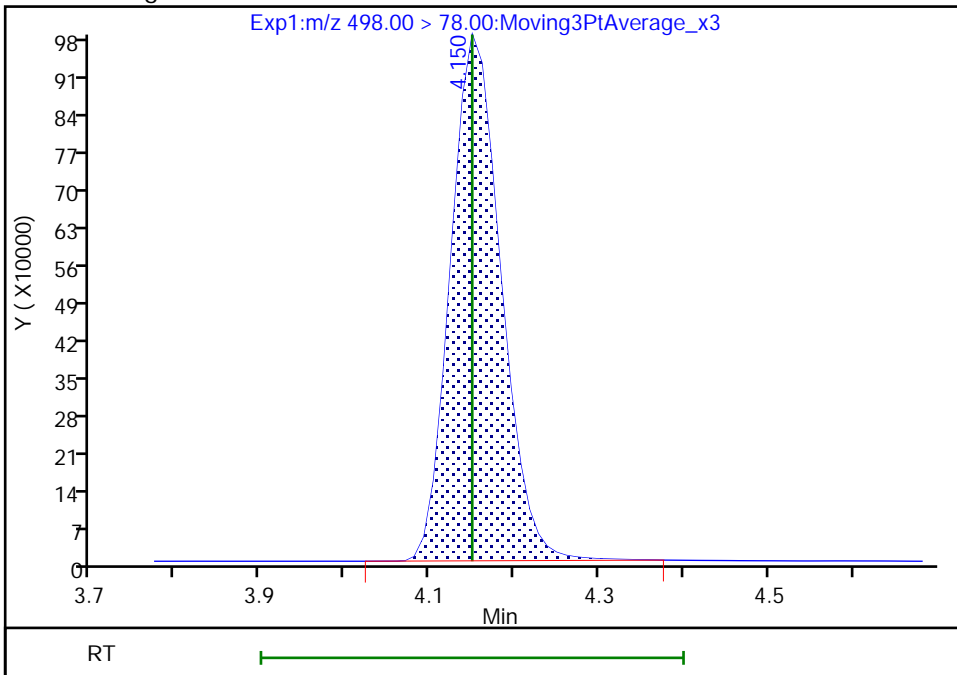
RT: 4.15
Area: 4106928
Amount: 2.428009
Amount Units: ng/ml

Processing Integration Results



RT: 4.15
Area: 4094524
Amount: 2.457676
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:17:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

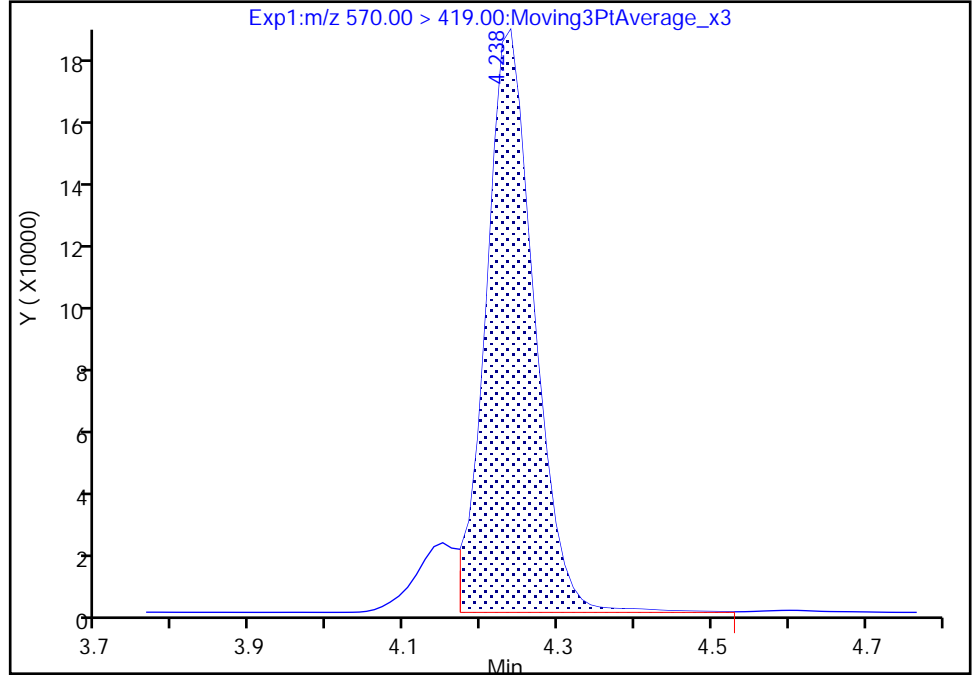
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

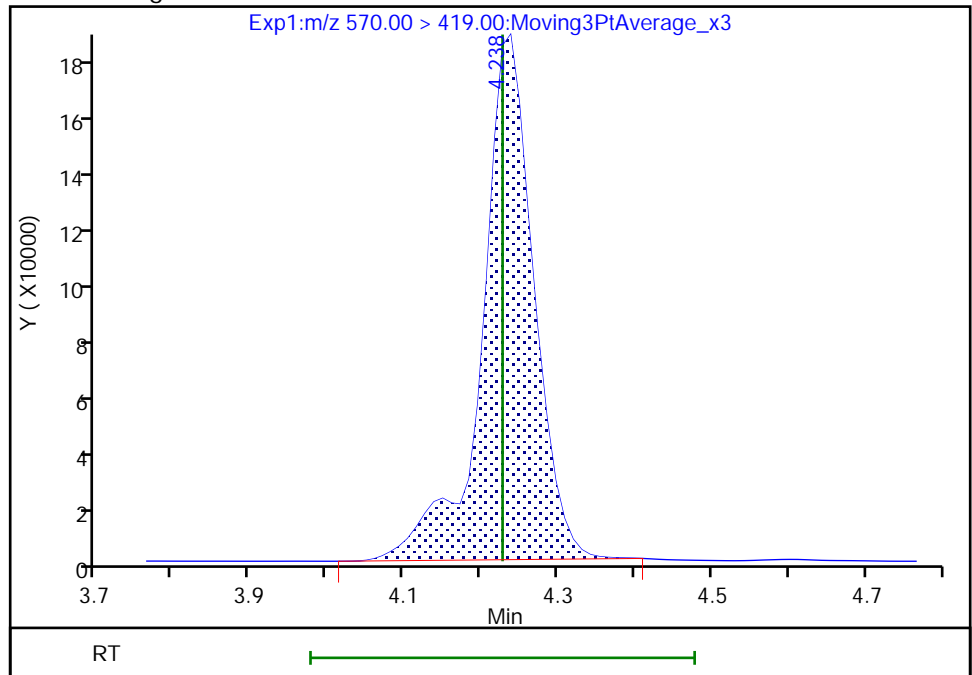
RT: 4.24
Area: 804661
Amount: 2.140771
Amount Units: ng/ml

Processing Integration Results



RT: 4.24
Area: 873622
Amount: 2.456951
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:17:25
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

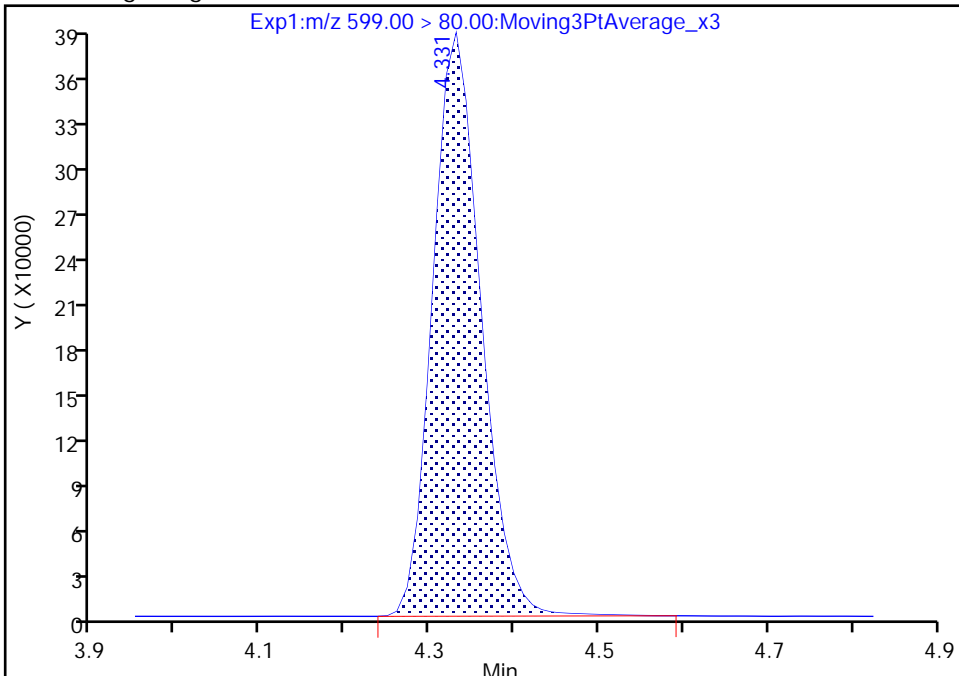
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

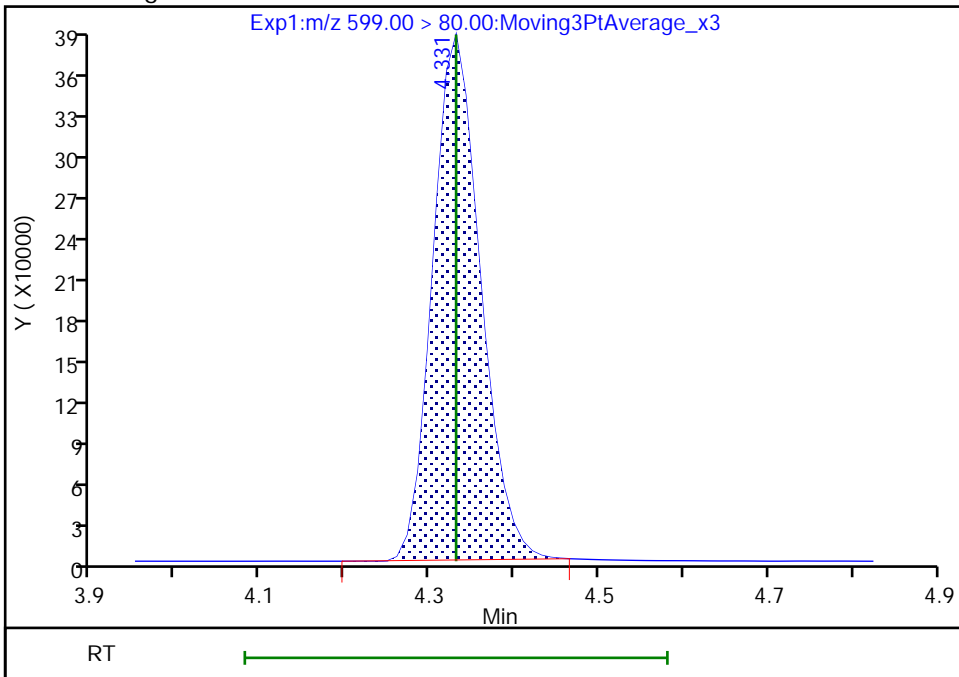
RT: 4.33
Area: 1514276
Amount: 2.351873
Amount Units: ng/ml

Processing Integration Results



RT: 4.33
Area: 1496790
Amount: 2.350920
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:17:30
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

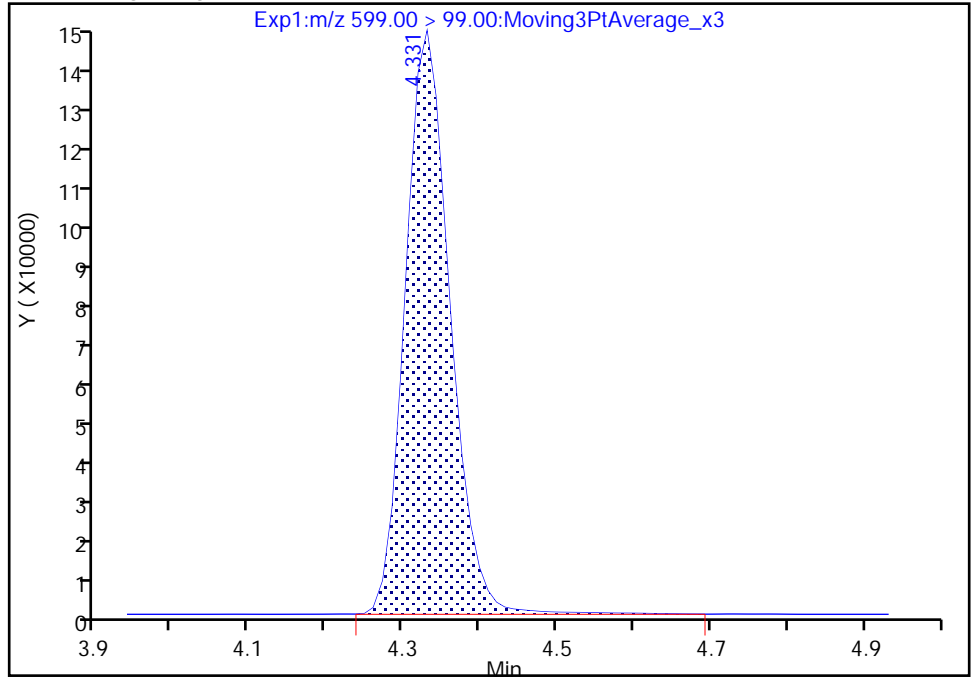
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

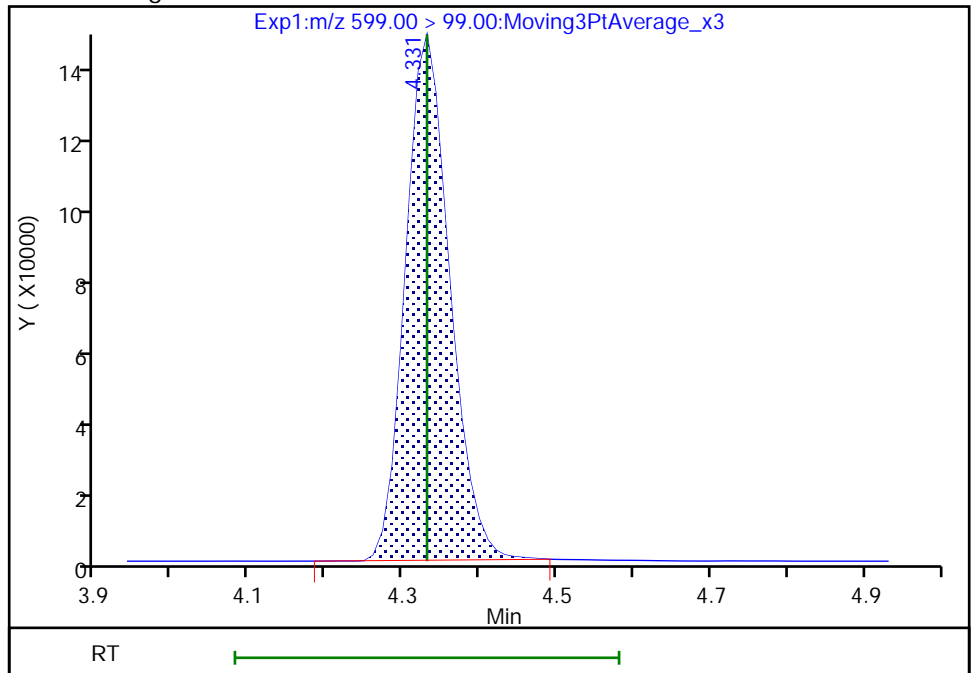
RT: 4.33
Area: 570570
Amount: 2.351873
Amount Units: ng/ml

Processing Integration Results



RT: 4.33
Area: 562866
Amount: 2.350920
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:17:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

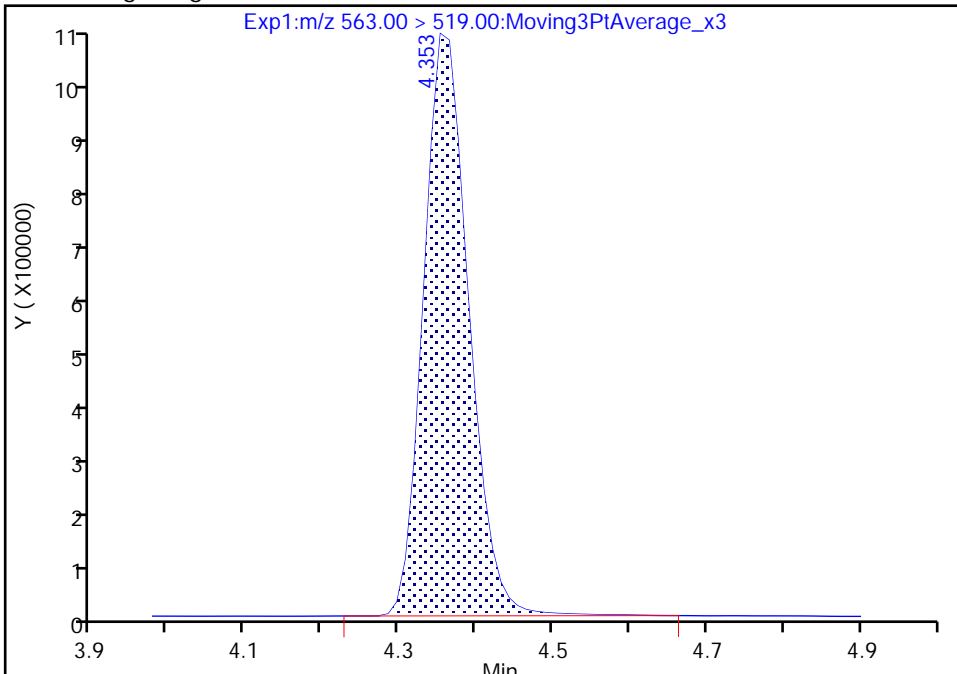
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

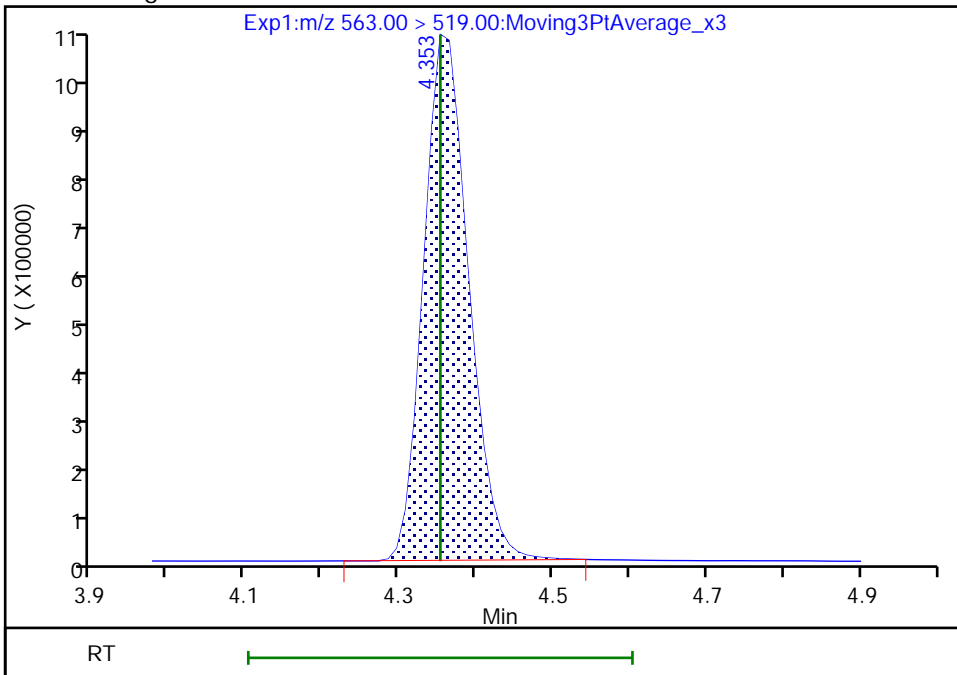
RT: 4.35
Area: 4342724
Amount: 2.330777
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 4311823
Amount: 2.366739
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:17:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

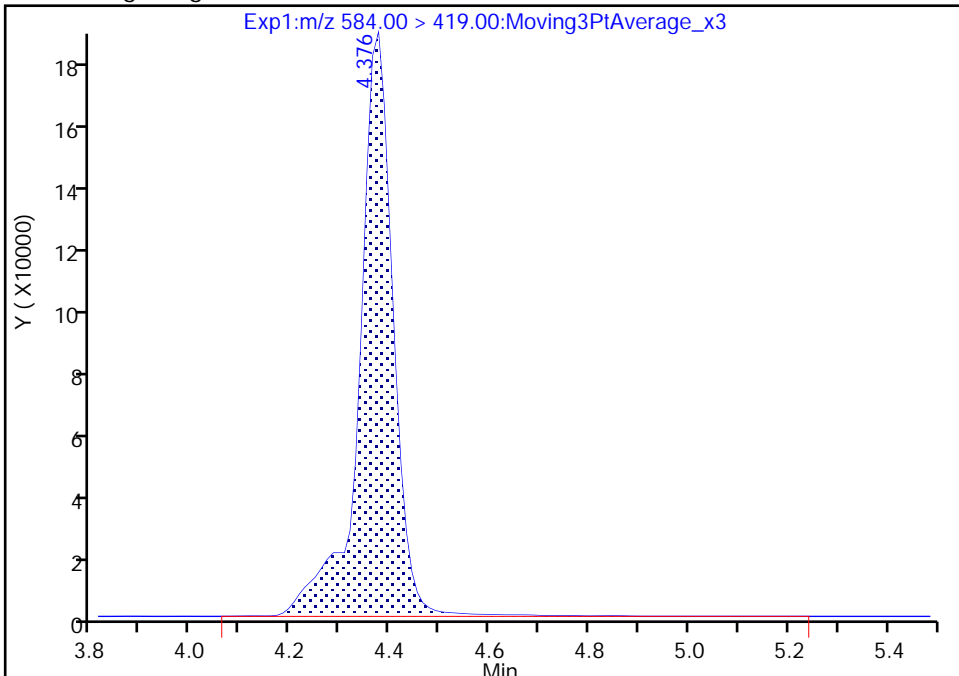
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

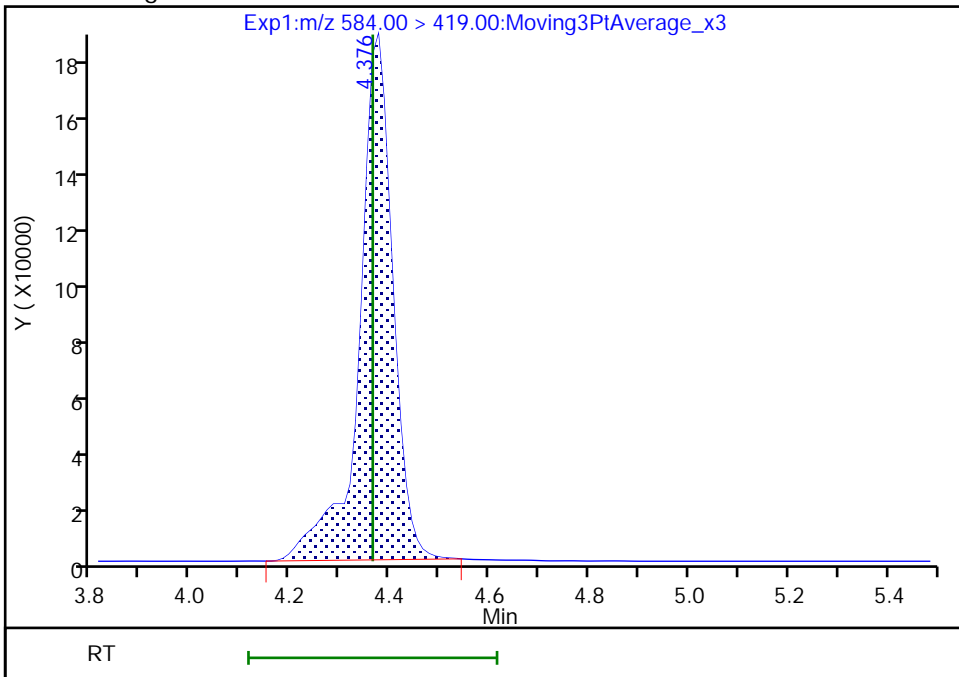
RT: 4.38
Area: 865426
Amount: 2.394972
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 848987
Amount: 2.386775
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:17:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

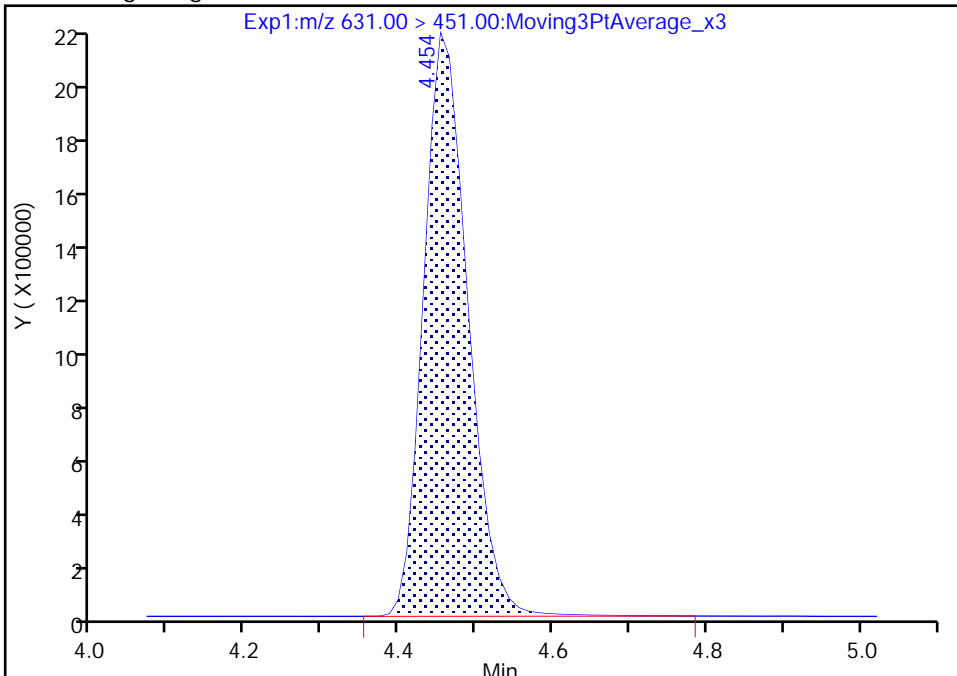
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

66 11-Chloroeicosafuoro-3-oxaundec, CAS: 763051-92-9

Signal: 1

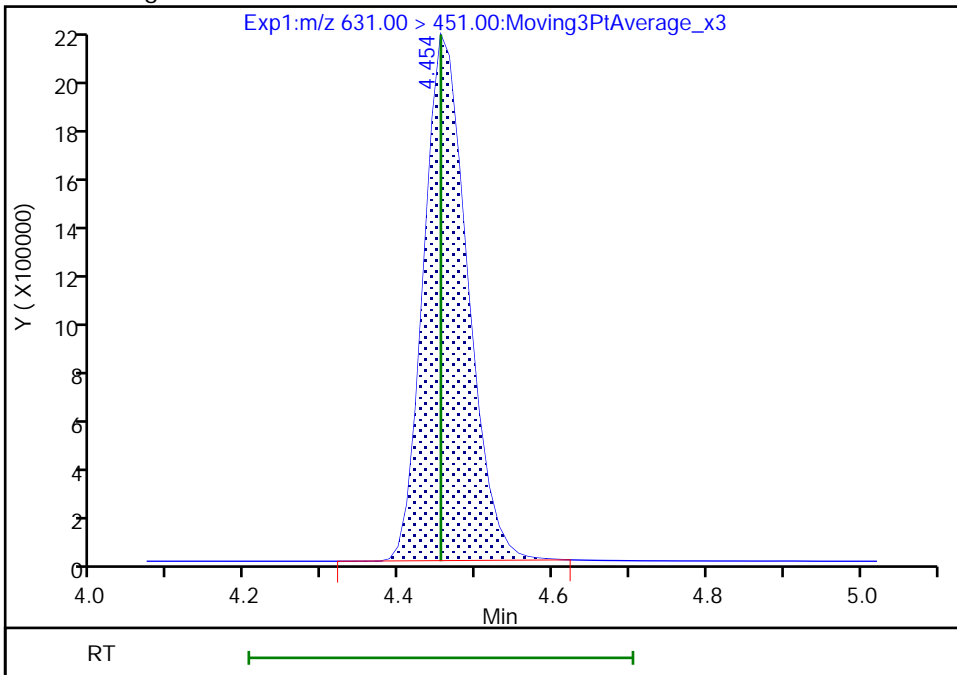
RT: 4.45
Area: 8707195
Amount: 2.232773
Amount Units: ng/ml

Processing Integration Results



RT: 4.45
Area: 8644779
Amount: 2.287172
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:18:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

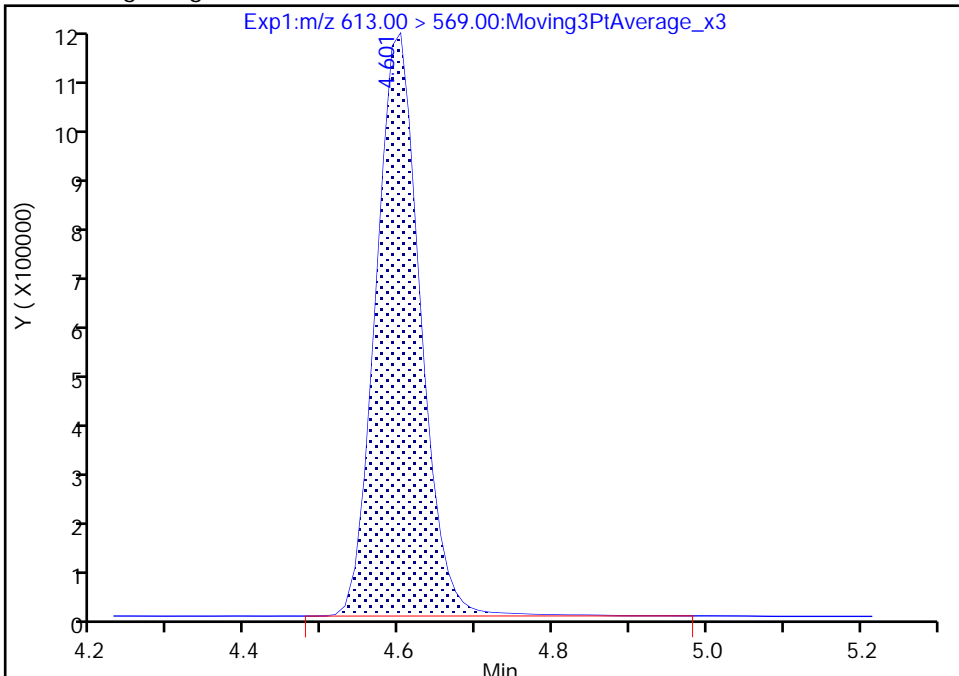
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

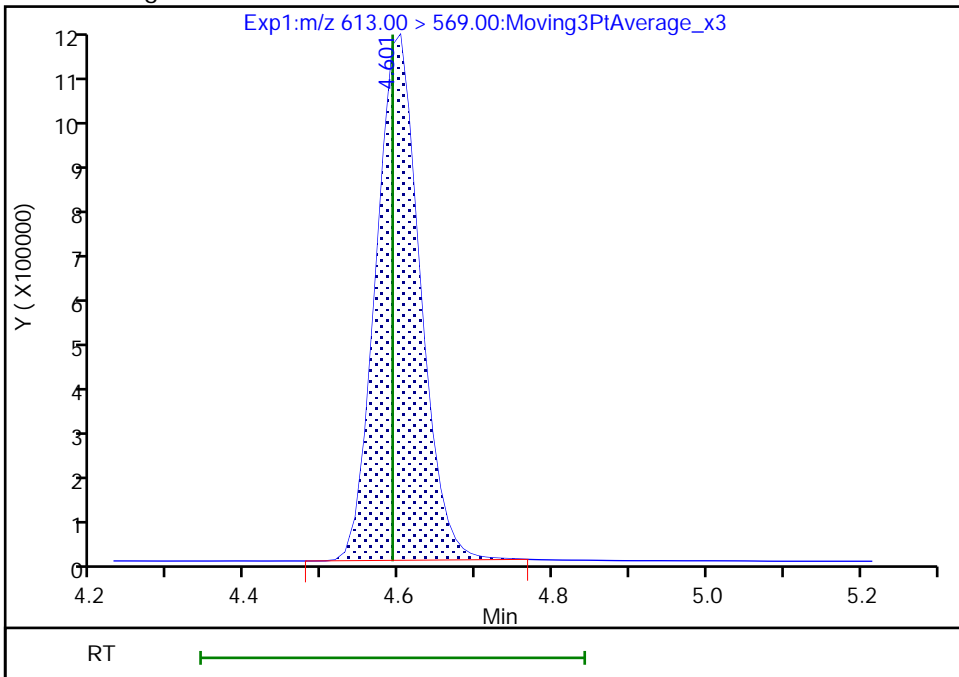
RT: 4.60
Area: 4561804
Amount: 2.236540
Amount Units: ng/ml

Processing Integration Results



RT: 4.60
Area: 4520955
Amount: 2.275287
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:18:07
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

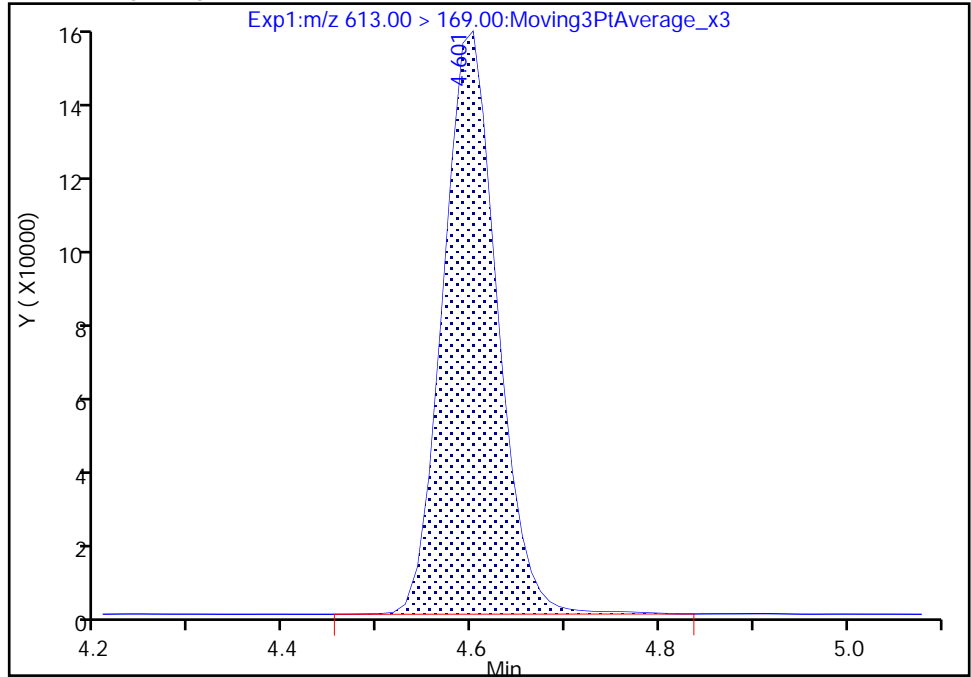
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

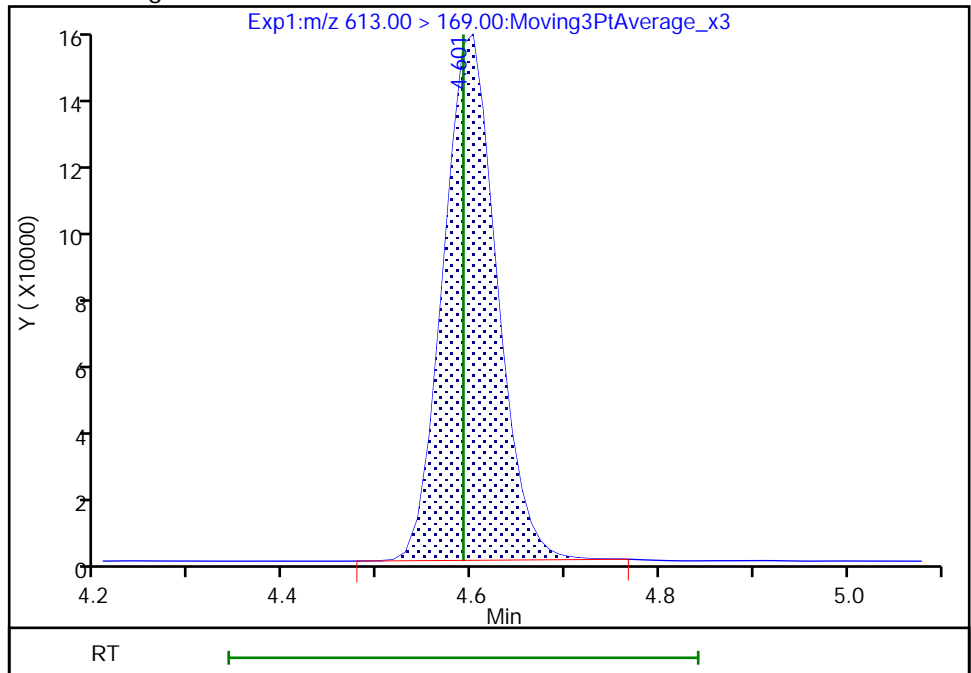
RT: 4.60
Area: 634336
Amount: 2.236540
Amount Units: ng/ml

Processing Integration Results



RT: 4.60
Area: 628962
Amount: 2.275287
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:18:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

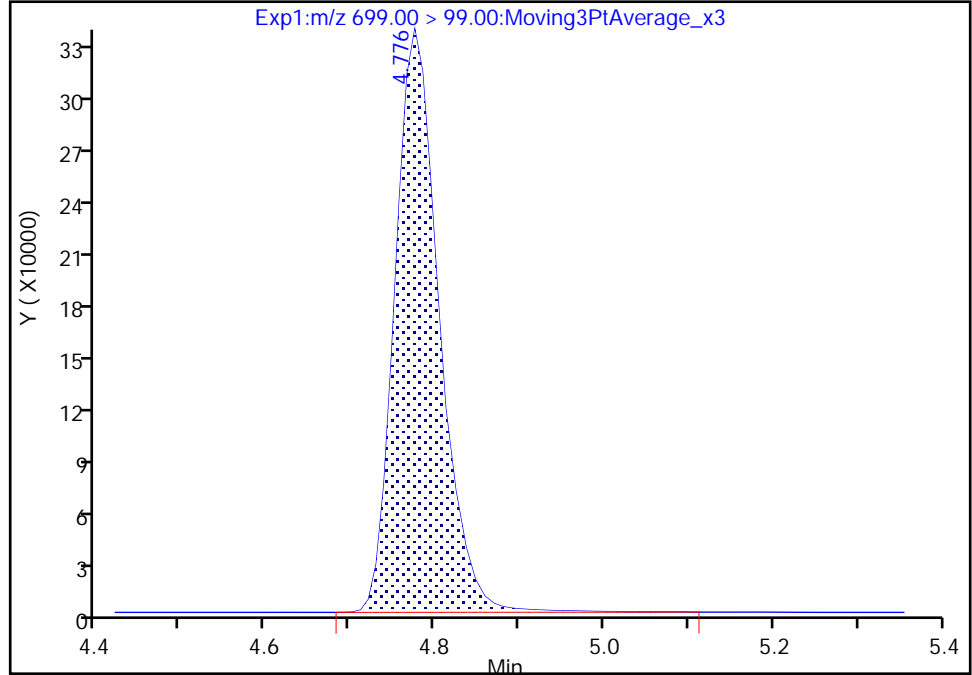
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

75 Perfluorododecanesulfonic acid (, CAS: 79780-39-5

Signal: 2

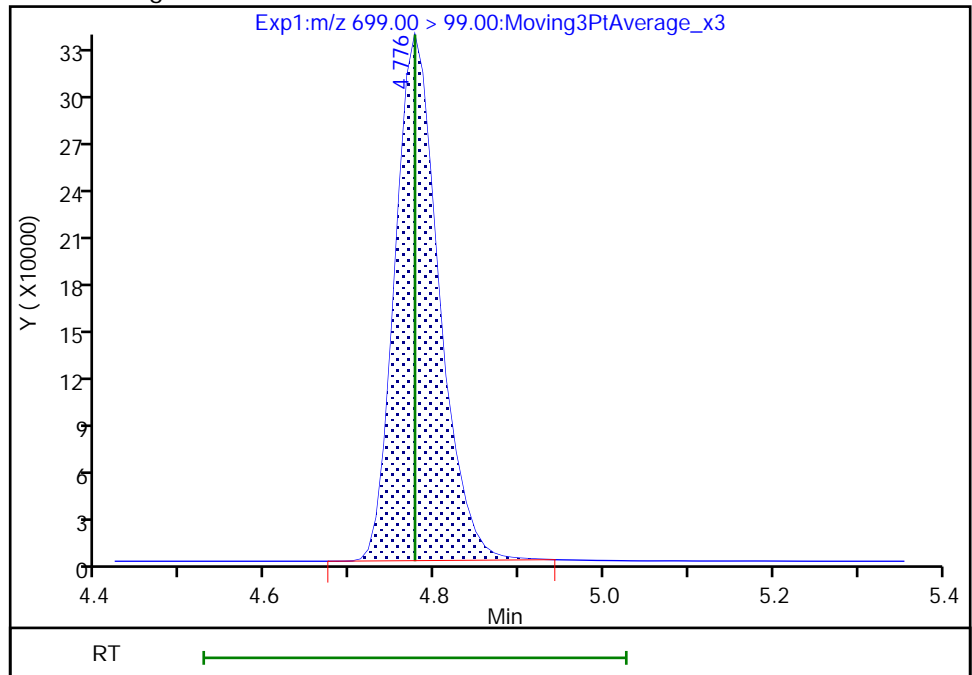
RT: 4.78
Area: 1228390
Amount: 2.299098
Amount Units: ng/ml

Processing Integration Results



RT: 4.78
Area: 1217795
Amount: 2.338289
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:18:20
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

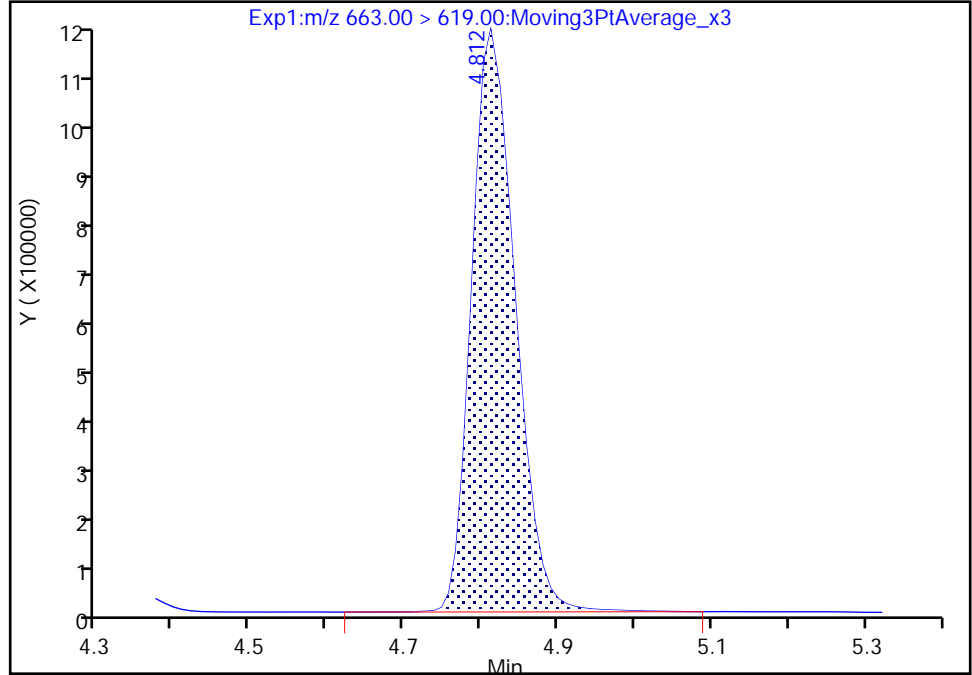
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

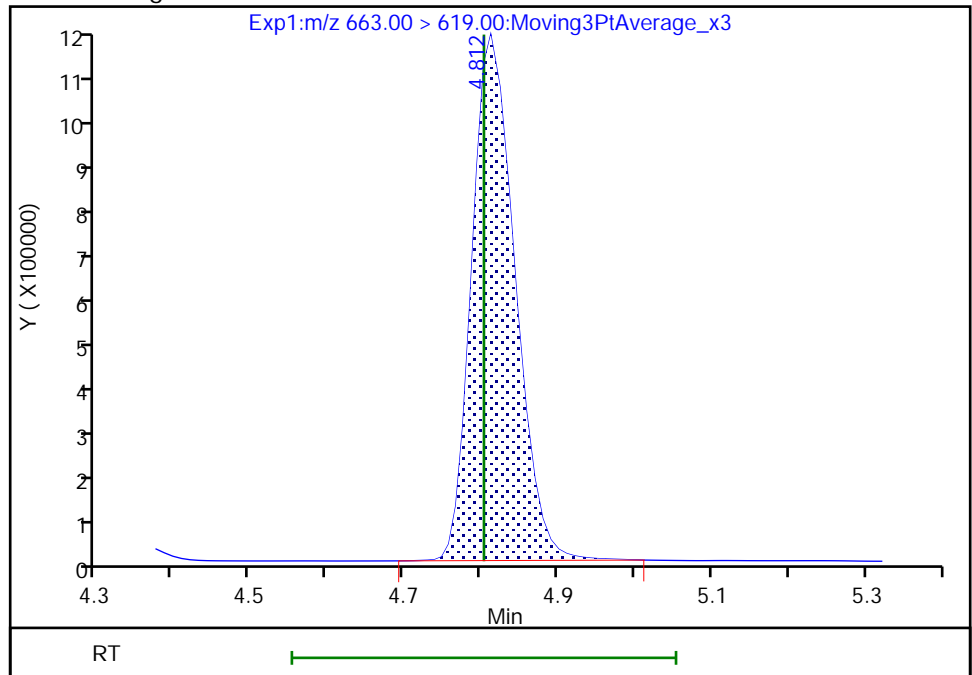
RT: 4.81
Area: 4593419
Amount: 2.351993
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 4574880
Amount: 2.407485
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:18:24
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

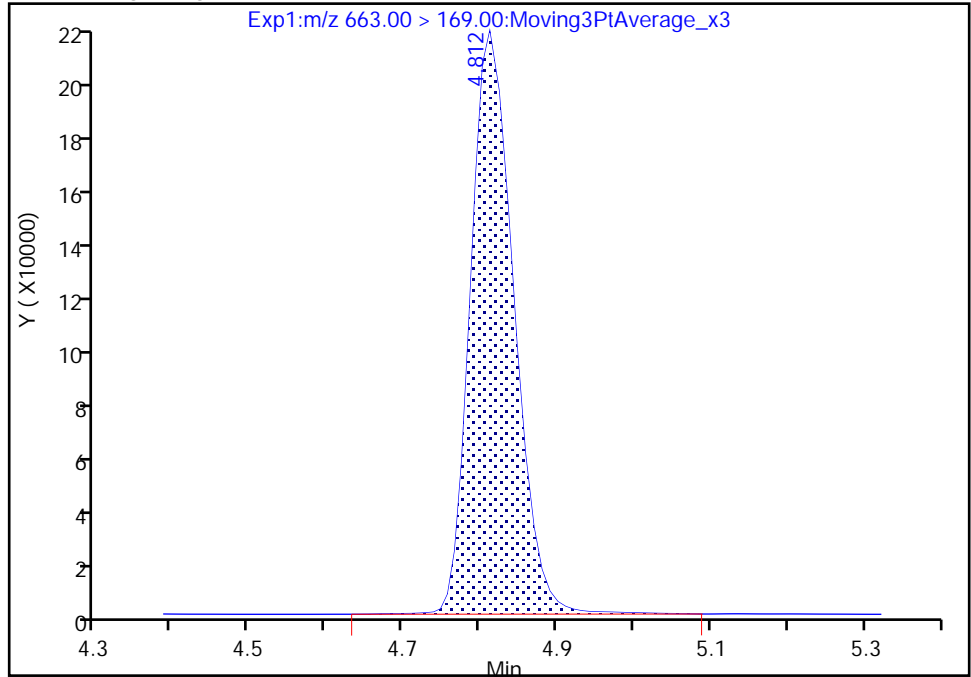
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

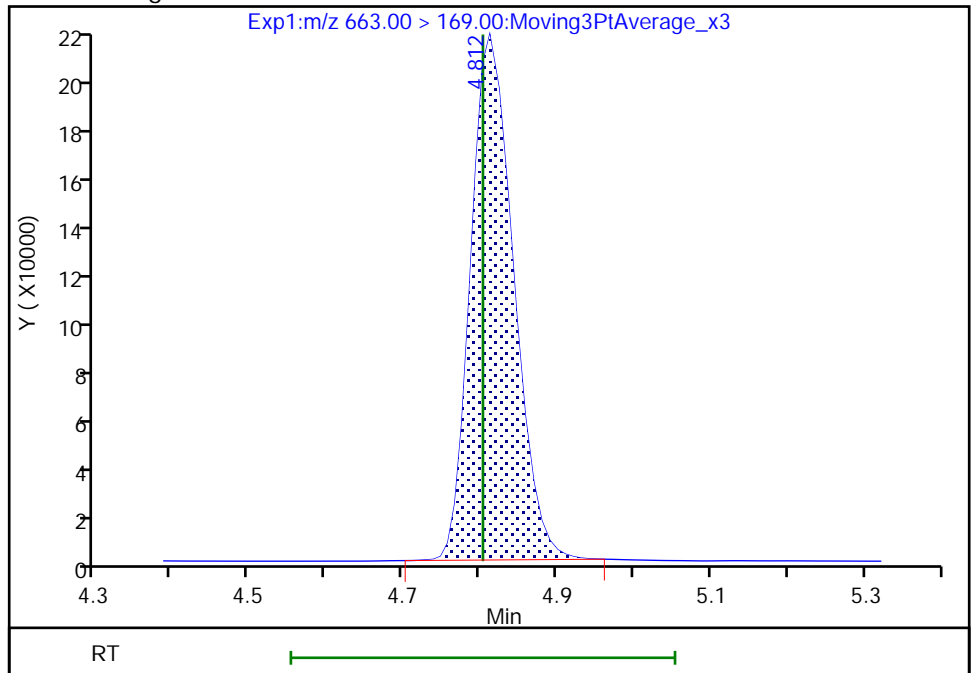
RT: 4.81
Area: 851410
Amount: 2.351993
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 841148
Amount: 2.407485
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:18:28

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

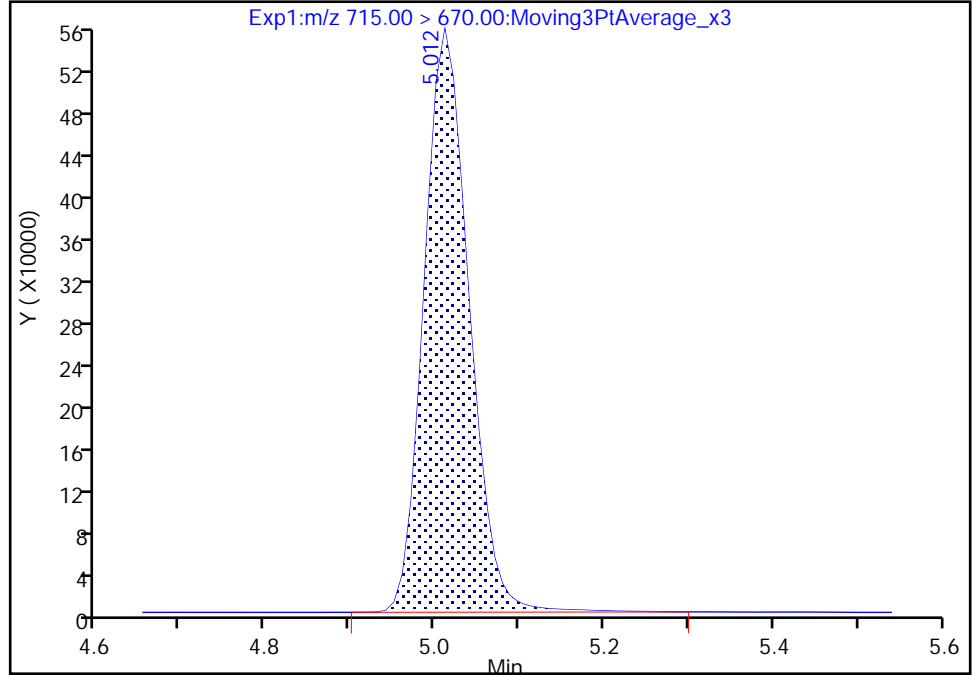
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116
Signal: 1

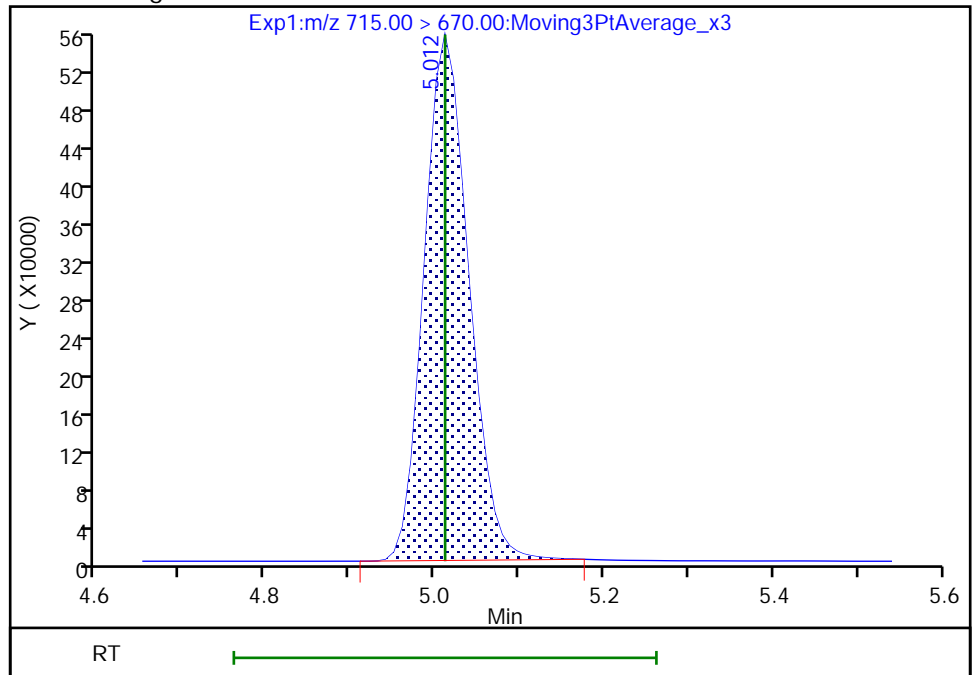
RT: 5.01
Area: 2033072
Amount: 1.303301
Amount Units: ng/ml

Processing Integration Results



RT: 5.01
Area: 2014799
Amount: 1.286087
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:18:42
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

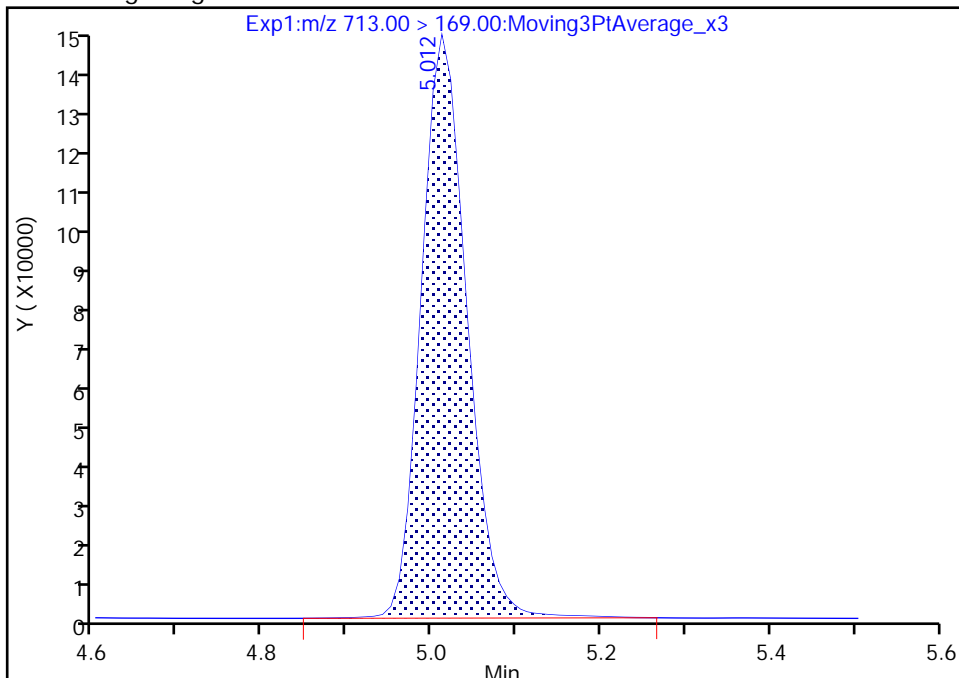
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

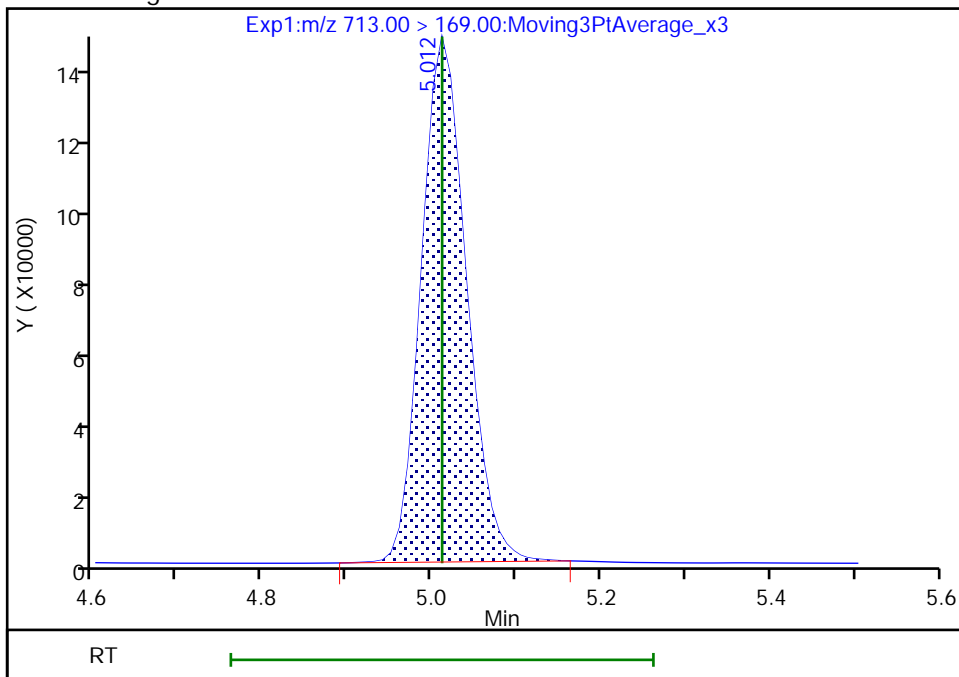
RT: 5.01
Area: 525519
Amount: 2.325898
Amount Units: ng/ml

Processing Integration Results



RT: 5.01
Area: 519386
Amount: 2.353740
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:18:33
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

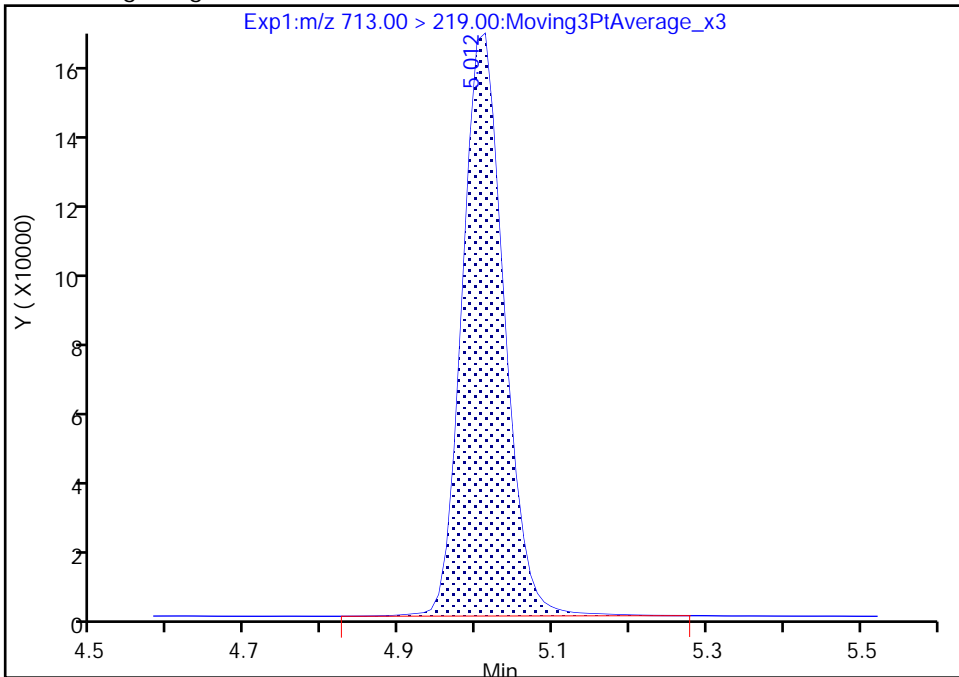
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

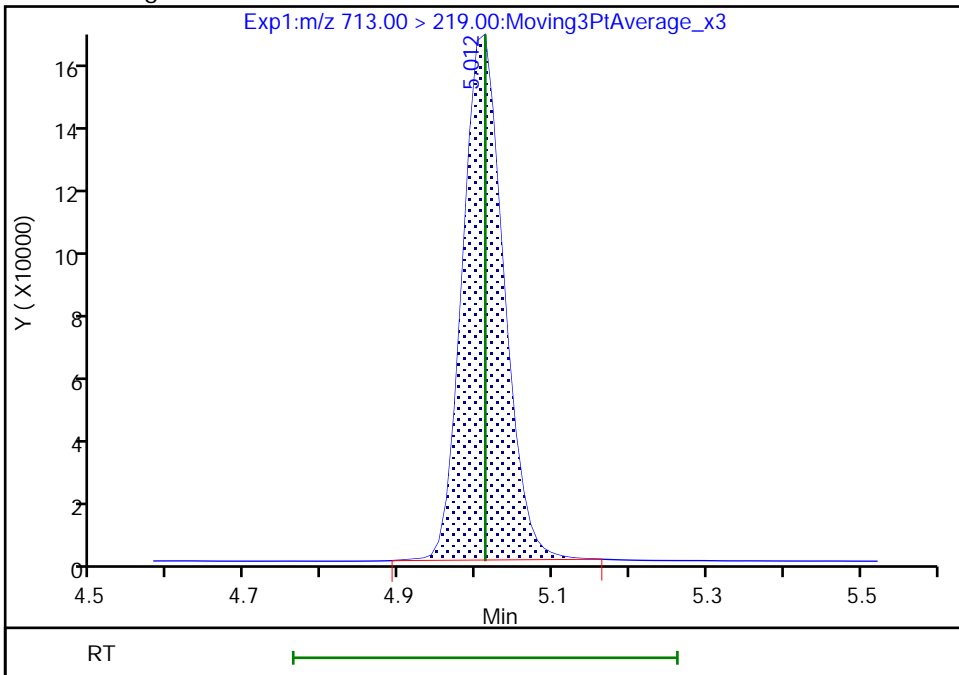
RT: 5.01
Area: 616529
Amount: 2.325898
Amount Units: ng/ml

Processing Integration Results



RT: 5.01
Area: 610374
Amount: 2.353740
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:18:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

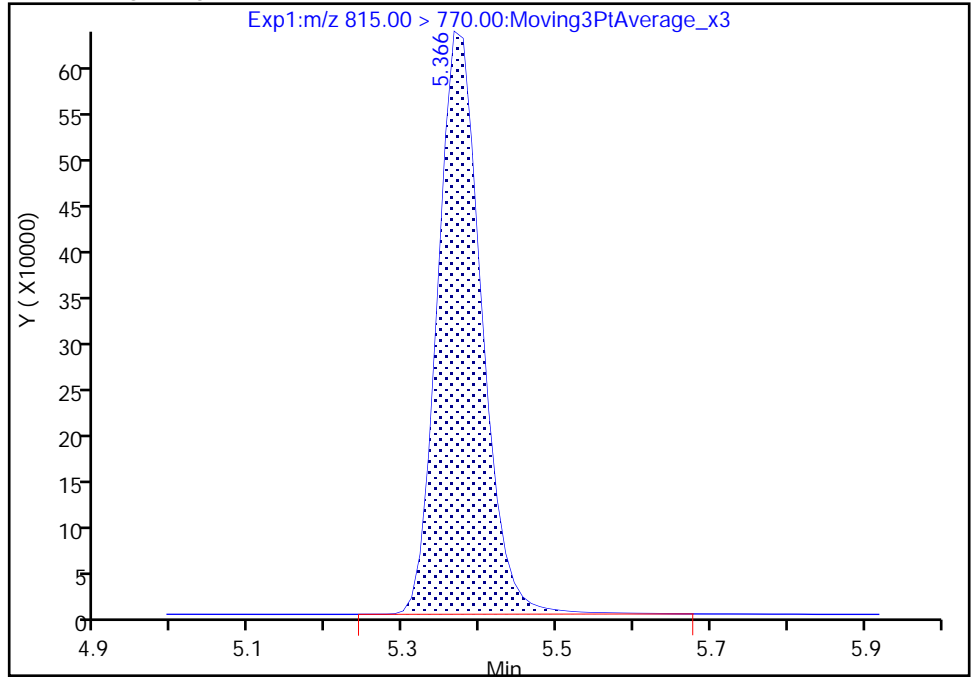
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 44 13C2 PFHxDA, CAS: STL02115
Signal: 1

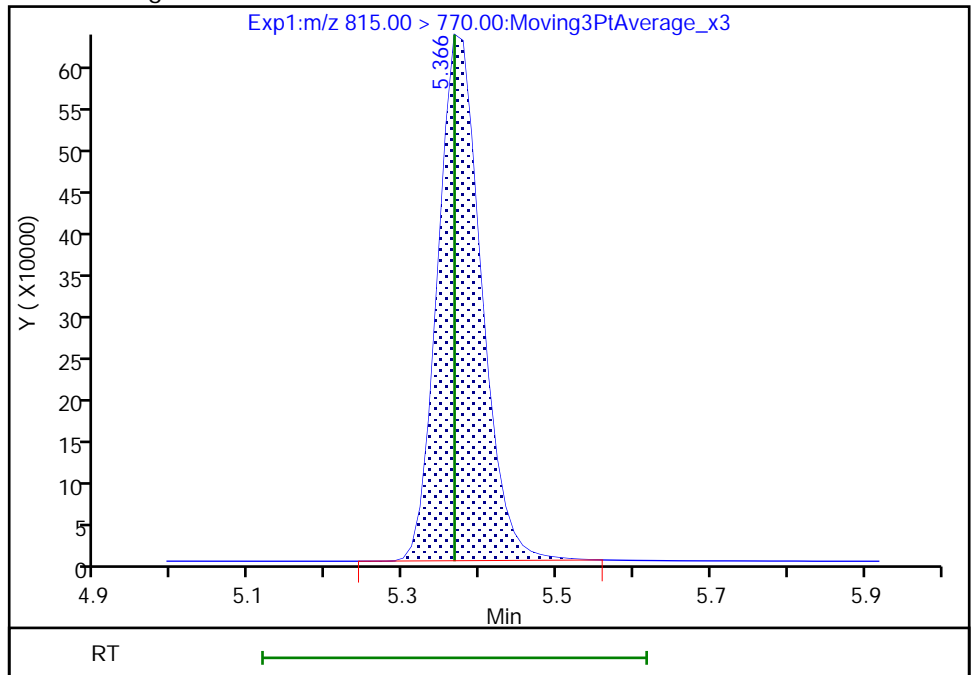
RT: 5.37
Area: 2515726
Amount: 1.303866
Amount Units: ng/ml

Processing Integration Results



RT: 5.37
Area: 2500657
Amount: 1.291152
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:18:47
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

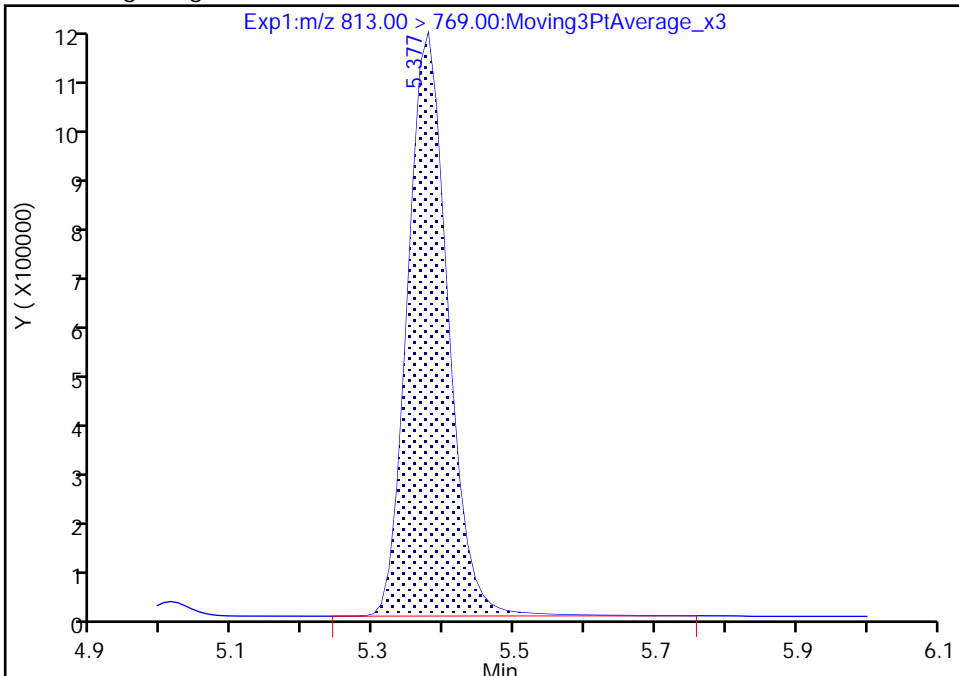
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

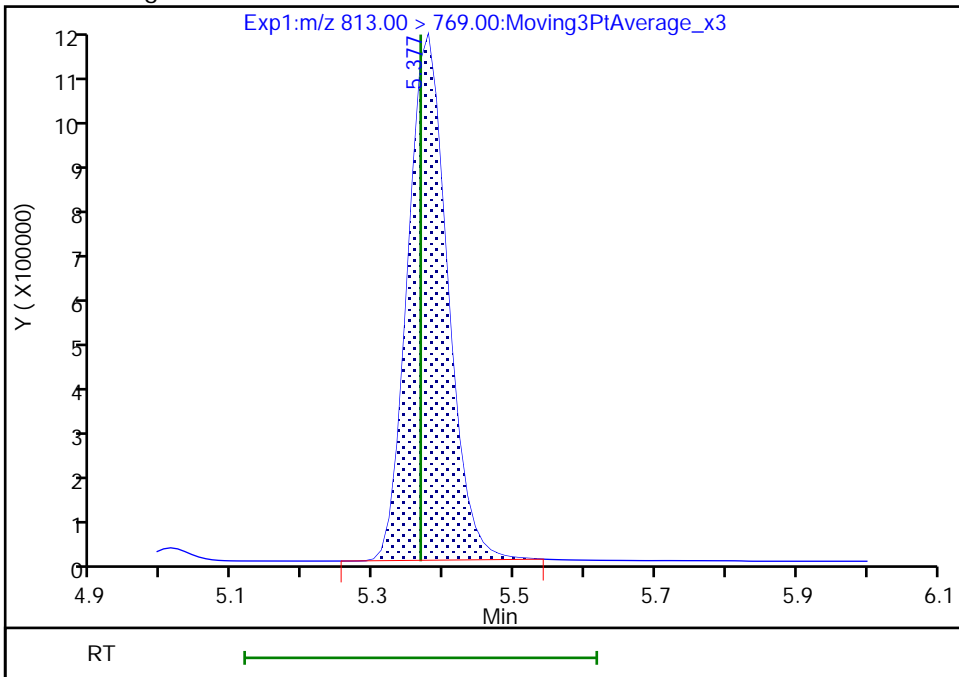
RT: 5.38
Area: 4654754
Amount: 2.502473
Amount Units: ng/ml

Processing Integration Results



RT: 5.38
Area: 4609177
Amount: 2.488597
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:18:51
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

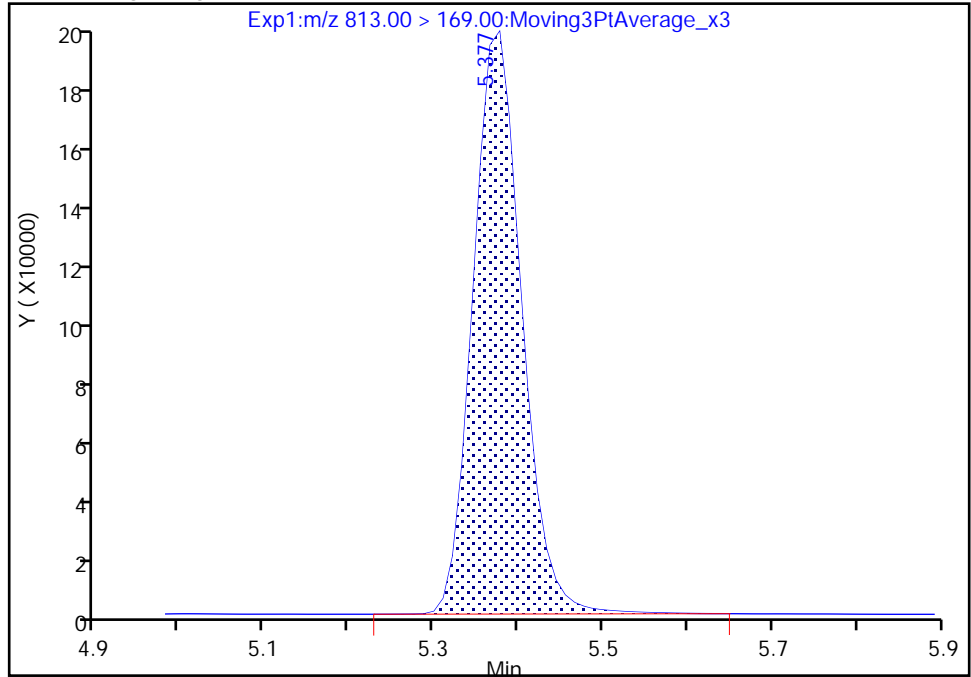
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

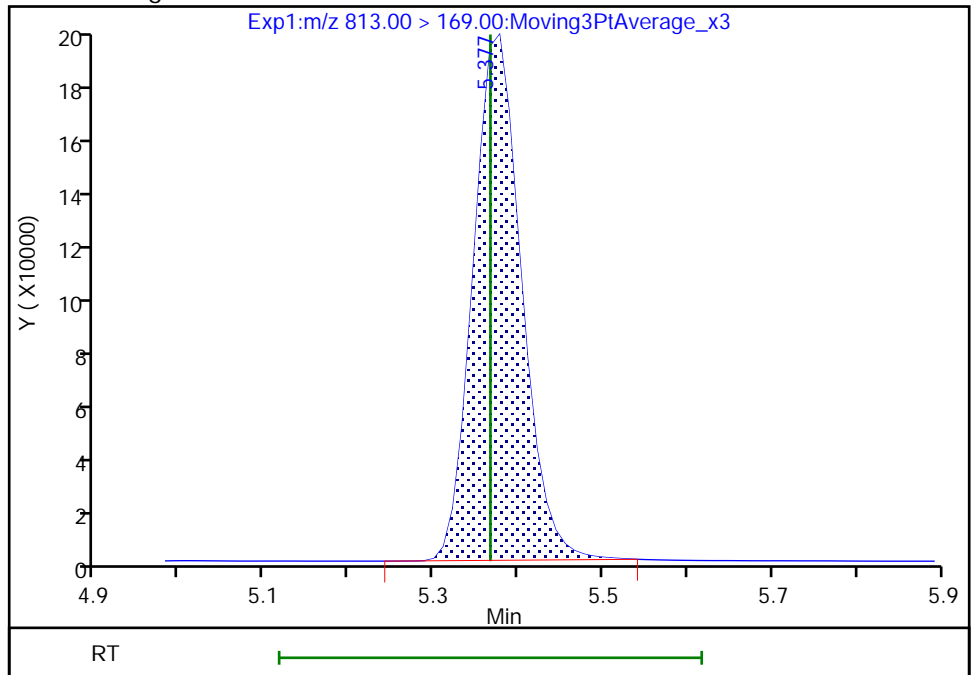
RT: 5.38
Area: 773083
Amount: 2.502473
Amount Units: ng/ml

Processing Integration Results



RT: 5.38
Area: 767191
Amount: 2.488597
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:18:54

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

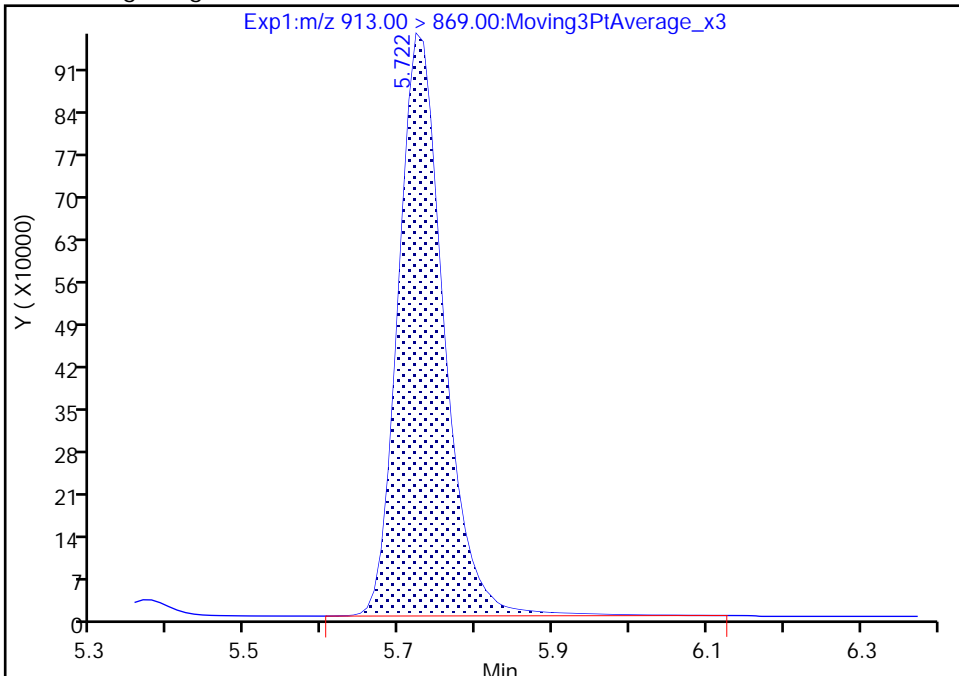
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Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

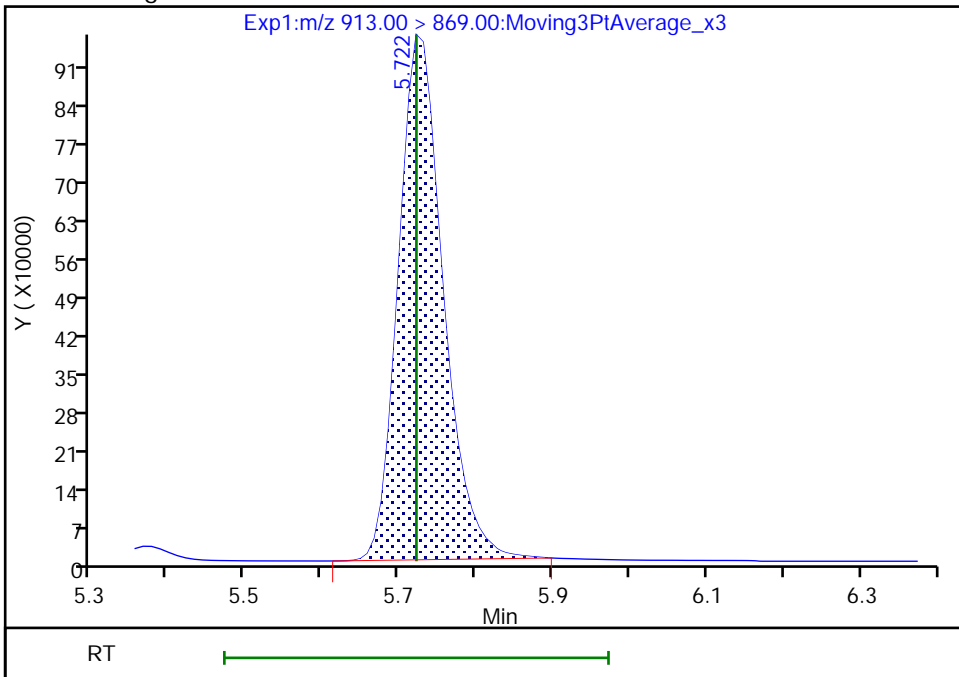
RT: 5.72
Area: 3948972
Amount: 2.362565
Amount Units: ng/ml

Processing Integration Results



RT: 5.72
Area: 3885994
Amount: 2.358568
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:19:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

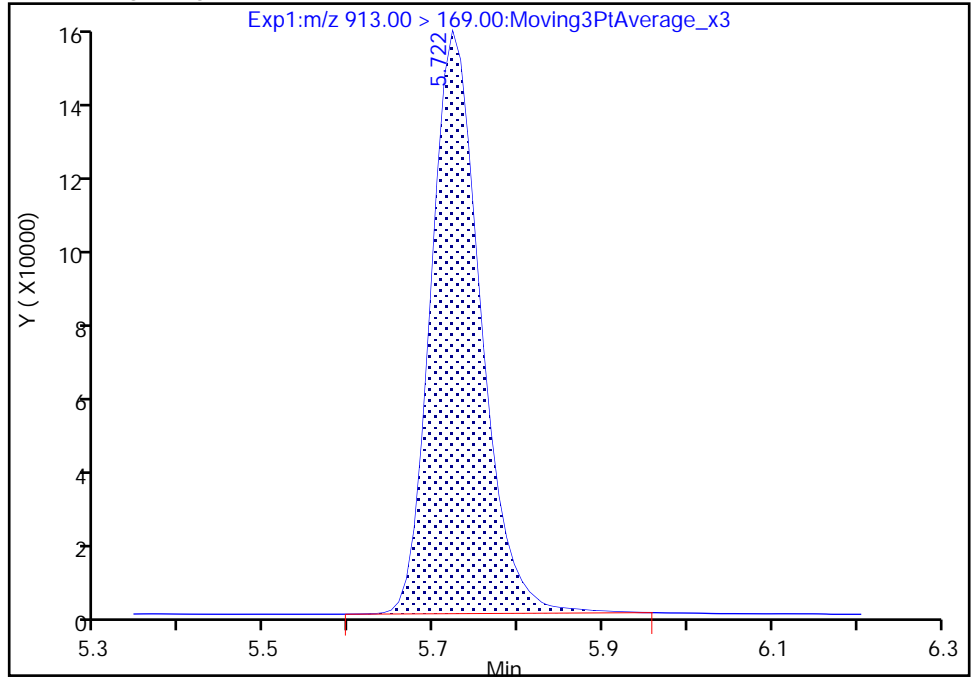
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Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

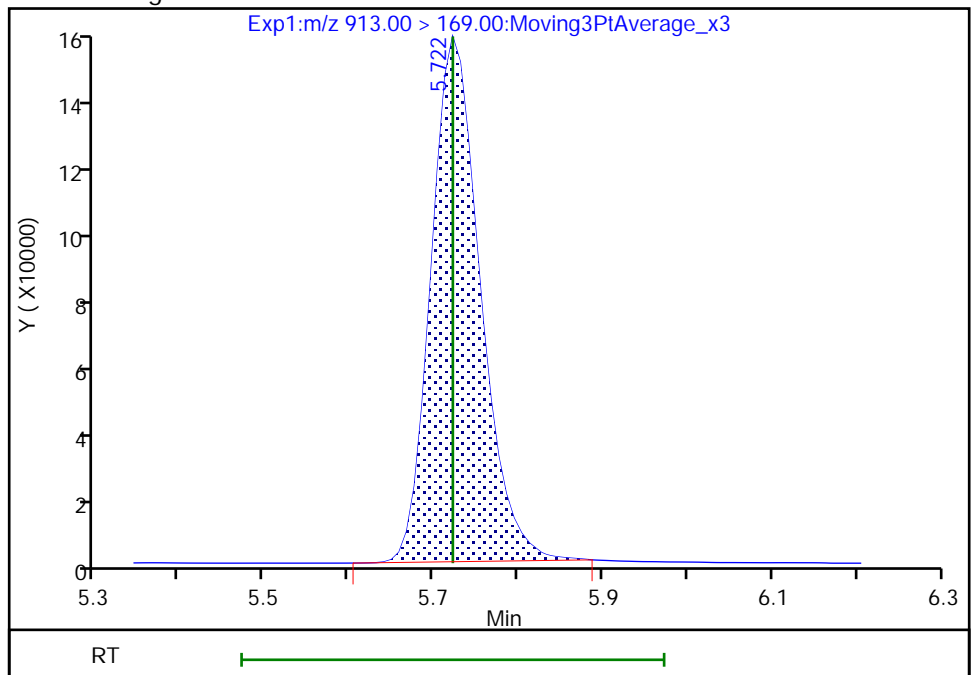
RT: 5.72
Area: 641202
Amount: 2.362565
Amount Units: ng/ml

Processing Integration Results



RT: 5.72
Area: 634754
Amount: 2.358568
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:19:03

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 18-Nov-2022 15:10:45 ALS Bottle#: 7 Worklist Smp#: 10
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 200-0053396-010 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 18-Nov-2022 15:39:01 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1602

First Level Reviewer: Z1IP Date: 18-Nov-2022 15:39:01

Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA	217.00 > 172.00	2.076	2.076	0.0	0.602	2467565	1.31	105	10900	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.076	2.076	0.0	1.000	18287579	8.98		89.8	1622	M
D 3 13C5 PFPeA	267.90 > 223.00	2.387	2.387	0.0	0.692	1859782	1.30	104	3825	
4 Perfluoropentanoic acid	262.90 > 219.00	2.387	2.387	0.0	1.000	14659532	9.04	90.4	369	
D 47 13C3 PFBS	301.90 > 80.00	2.400	2.400	0.0	0.696	1920108	1.24	106	306030	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.400	2.400	0.0	1.000	15764131	8.34	Target=2.14	94.4	6290	M
298.90 > 99.00	2.400	2.400	0.0	1.000	7462883		2.11(1.07-3.21)	94.4	3673	M
61 1H,1H,2H,2H-perfluorohexanesulfo	327.00 > 307.00	2.689	2.689	0.0	1.000	3793564	8.55	91.5	7517	
D 60 M2-4:2 FTS	329.00 > 81.00	2.689	2.689	0.0	0.780	168186	1.23	105	209	
D 7 13C2 PFHxA	315.00 > 270.00	2.725	2.725	0.0	0.790	1905245	1.27	102	3368	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.725	2.725	0.0	1.000	14928997	8.99	Target=13.44	89.9	1947	M
313.00 > 119.00	2.725	2.725	0.0	1.000	1139463		13.10(6.72-20.15)	89.9	1377	M
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.737	2.737	0.0	0.887	14151584	8.84	Target=2.98	94.3	4481	M
349.00 > 99.00	2.737	2.737	0.0	0.887	4699585		3.01(1.49-4.47)	94.3	3456	M
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.835	2.835	0.0	1.000	2790710	9.46		94.6	3137	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 64 13C3 HFPO-DA										M
287.00 > 169.00	2.835	2.835	0.0	0.822	349067	1.32		106	2058	M
D 11 18O2 PFHxS										M
403.00 > 84.00	3.088	3.088	0.0	0.896	1417084	1.25		106	3116	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.088	3.088	0.0	1.000	11438488	8.46	Target=3.57	92.9	1881	M
399.00 > 99.00	3.088	3.088	0.0	1.000	3266390		3.50(1.78-5.35)	92.9	1771	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.088	3.099	-0.011	0.896	1969787	1.28		102	3184	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.088	3.099	-0.011	1.000	15384783	8.97	Target=3.93	89.7	1713	M
363.00 > 169.00	3.088	3.099	-0.011	1.000	4138402		3.72(1.96-5.89)	89.7	2990	M
77 DONA										M
377.00 > 251.00	3.132	3.132	0.0	0.832	34921387	7.63	Target=3.08	81.0	2972	M
377.00 > 85.00	3.132	3.132	0.0	0.832	12293064		2.84(1.54-4.62)	81.0	2852	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.439	3.439	0.0	0.997	221871	1.17		98.5	664	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.439	3.439	0.0	1.000	3743844	9.47		99.9	1951	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.430	3.439	-0.009	0.911	10171074	8.76	Target=5.16	92.0	3706	M
449.00 > 99.00	3.430	3.439	-0.009	0.911	1989808		5.11(2.58-7.74)	92.0	4062	M
D 14 13C4 PFOA										
417.00 > 372.00	3.448	3.448	0.0	1.000	2203793	1.27		102	5888	
* 62 13C2 PFOA										
415.00 > 370.00	3.448	3.448	0.0		2091291	1.25			3642	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.448	3.448	0.0	1.000	16977289	9.01	Target=2.82	90.1	978	M
413.00 > 169.00	3.448	3.448	0.0	1.000	6260421		2.71(1.41-4.23)	90.1	2636	M
D 18 13C4 PFOS										
503.00 > 80.00	3.764	3.764	0.0	1.092	993714	1.29		108	883	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.764	3.764	0.0	1.000	8534676	8.44	Target=5.01	90.9	926	M
499.00 > 99.00	3.764	3.764	0.0	1.000	1770034		4.82(2.50-7.51)	90.9	964	M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.783	3.783	0.0	1.000	16342622	9.36	Target=8.49	93.6	1971	M
463.00 > 169.00	3.783	3.783	0.0	1.000	1938179		8.43(4.25-12.74)	93.6	2313	M
D 19 13C5 PFNA										
468.00 > 423.00	3.783	3.783	0.0	1.097	2102974	1.25		100.0	6336	
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.928	3.928	0.0	1.044	19485090	8.40		90.1	3617	M
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.051	4.050	0.001	1.076	6831873	8.95	Target=2.60	93.2	2750	M
549.00 > 99.00	4.051	4.050	0.001	1.076	2652769		2.58(1.30-3.90)	93.2	3358	M
D 23 13C2 PFDA										
515.00 > 470.00	4.081	4.081	0.0	1.184	2229691	1.30		104	3838	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.081	4.081	0.0	1.000	16688874	8.63	Target=10.03	86.3	2787	M
513.00 > 169.00	4.081	4.081	0.0	1.000	1764763		9.46(5.02-15.05)	86.3	3491	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.093	4.093	0.0	1.187	277266	1.20		99.8	889	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.093	4.093	0.0	1.000	3431863	9.17		95.7	2819	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.150	4.150	0.0	1.000	14828965	9.27		92.7	11896	
D 21 13C8 FOSA										
506.00 > 78.00	4.150	4.150	0.0	1.204	1914897	1.36		109	2590	
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.228	4.228	0.0	1.226	478582	1.37		110	204	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.228	4.228	0.0	1.000	3297027	10.0		100.0	1849	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.331	4.331	0.0	1.151	5548668	9.21	Target=2.58	95.5	2308	M
599.00 > 99.00	4.320	4.331	-0.011	1.148	2036543		2.72(1.29-3.86)	95.5	2355	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.353	4.353	0.0	1.263	1967361	1.25		100	2095	M
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.353	4.353	0.0	1.000	14168517	8.93	Target=10.10	89.3	2525	M
563.00 > 169.00	4.353	4.353	0.0	1.000	1502685		9.43(5.05-15.15)	89.3	1563	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.365	4.365	0.0	1.000	2992748	9.39		93.9	1373	M
D 32 d5-NEtFOSAA										M
589.00 > 419.00	4.365	4.365	0.0	1.266	444955	1.29		104	611	M
66 11-Chloroeicosafuoro-3-oxaundec										M
631.00 > 451.00	4.454	4.454	0.0	1.183	28587798	7.99		84.8	2959	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.591	4.591	0.0	1.000	15612916	8.76	Target=7.41	87.6	840	M
613.00 > 169.00	4.591	4.591	0.0	1.000	2225311		7.02(3.70-11.11)	87.6	3131	M
D 36 13C2 PFDaA										M
615.00 > 570.00	4.591	4.591	0.0	1.332	2103698	1.32		105	3008	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.612	4.612	0.0	1.127	2140218	9.51		98.7	1929	M
75 Perfluorododecanesulfonic acid (M
699.00 > 80.00	4.767	4.776	-0.009	1.266	2258006	8.85	Target=0.51	91.5	2977	M
699.00 > 99.00	4.767	4.776	-0.009	1.266	4532176		0.50(0.25-0.76)	91.5	4479	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.803	4.804	-0.001	1.046	14753486	8.65	Target=5.40	86.5	847	M
663.00 > 169.00	4.803	4.804	-0.001	1.046	2874269		5.13(2.70-8.10)	86.5	2161	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.002	5.012	-0.010	1.000	1813608	9.29	Target=0.90	92.9	1869	M
713.00 > 219.00	5.002	5.012	-0.010	1.000	2156307		0.84(0.45-1.35)	92.9	3154	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.002	5.012	-0.010	1.451	1782548	1.29		103	2048	M

Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.366	5.367	-0.001	1.000	16164958	10.0	Target=5.85	100	978	M
813.00 > 169.00	5.366	5.367	-0.001	1.000	2805404		5.76(2.93-8.78)	100	2198	M
D 44 13C2 PFHxDA										M
815.00 > 770.00	5.366	5.367	-0.001	1.557	2191999	1.28		103	2301	M
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.722	5.722	0.0	1.066	13617092	9.43	Target=6.30	94.3	603	M
913.00 > 169.00	5.713	5.722	-0.009	1.065	2220967		6.13(3.15-9.46)	94.3	888	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC6_00013

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d

Injection Date: 18-Nov-2022 15:10:45

Instrument ID: LC812

Lims ID: IC

Client ID:

Operator ID: lc812tech

ALS Bottle#: 7

Worklist Smp#: 10

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

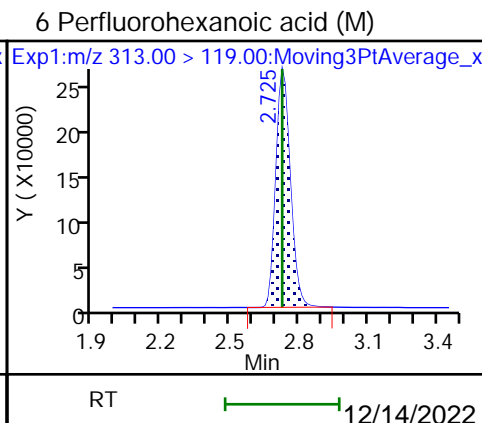
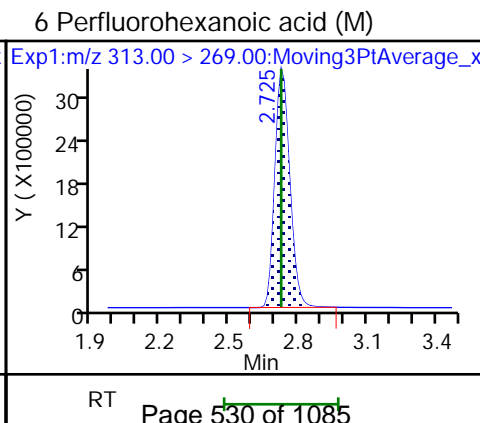
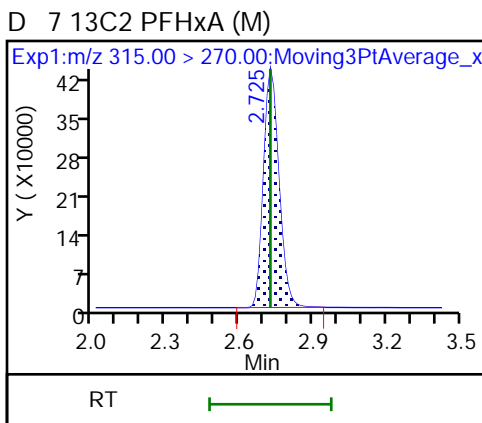
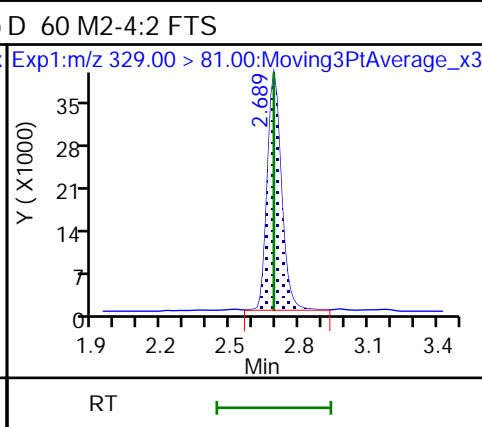
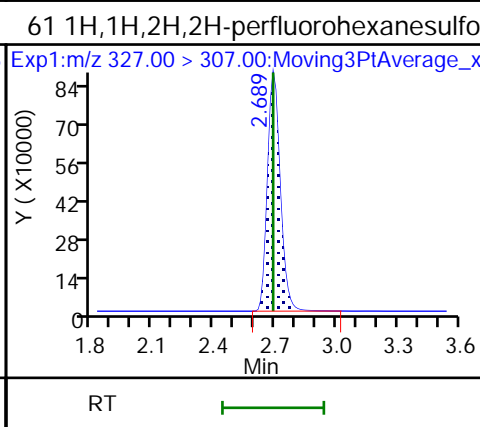
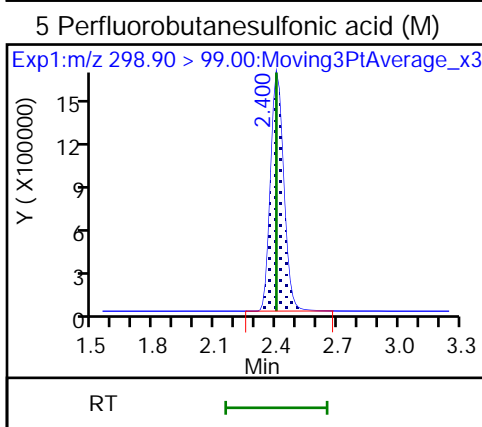
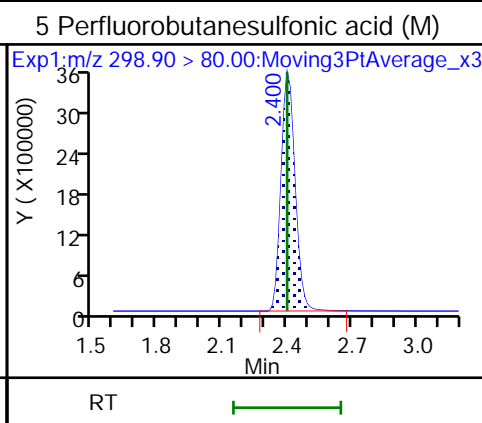
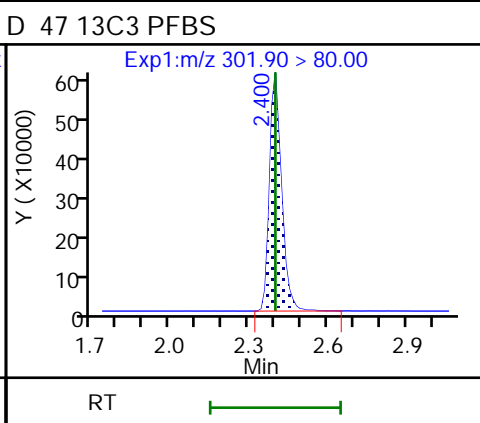
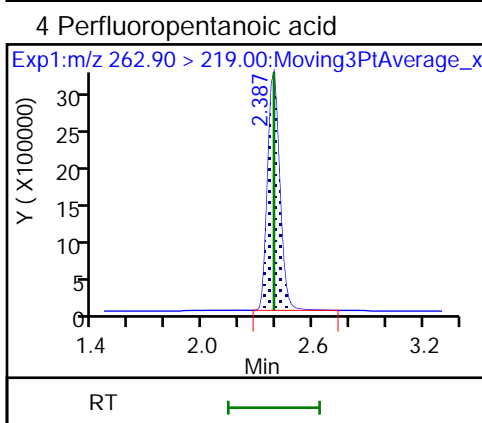
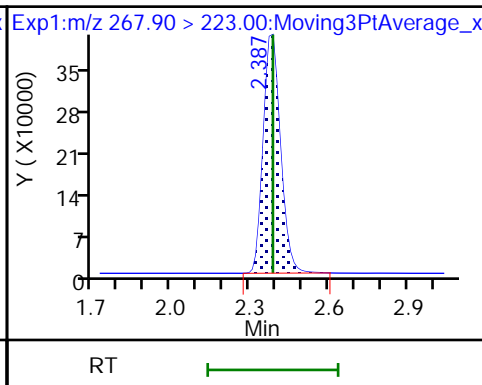
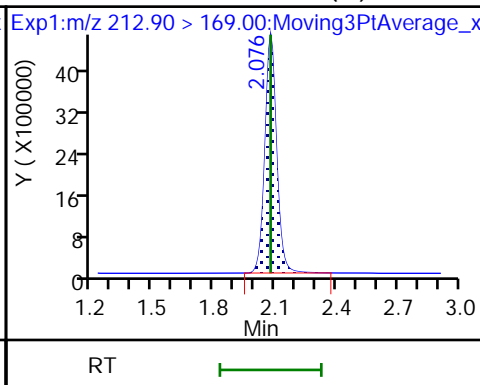
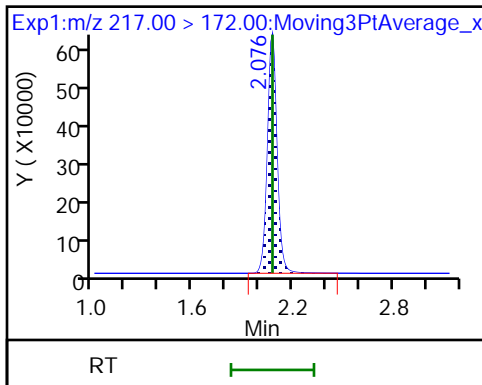
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

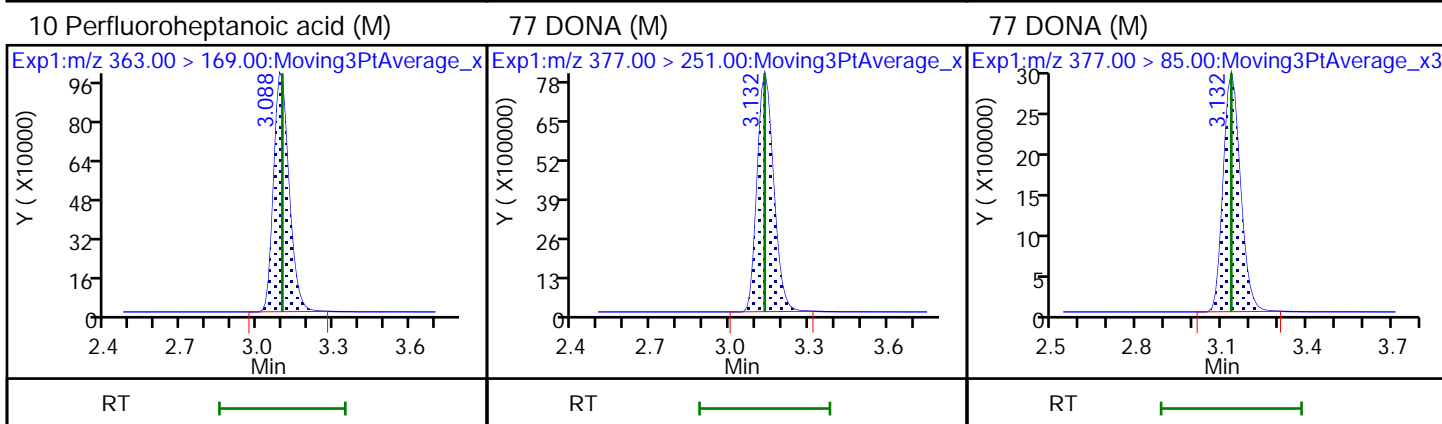
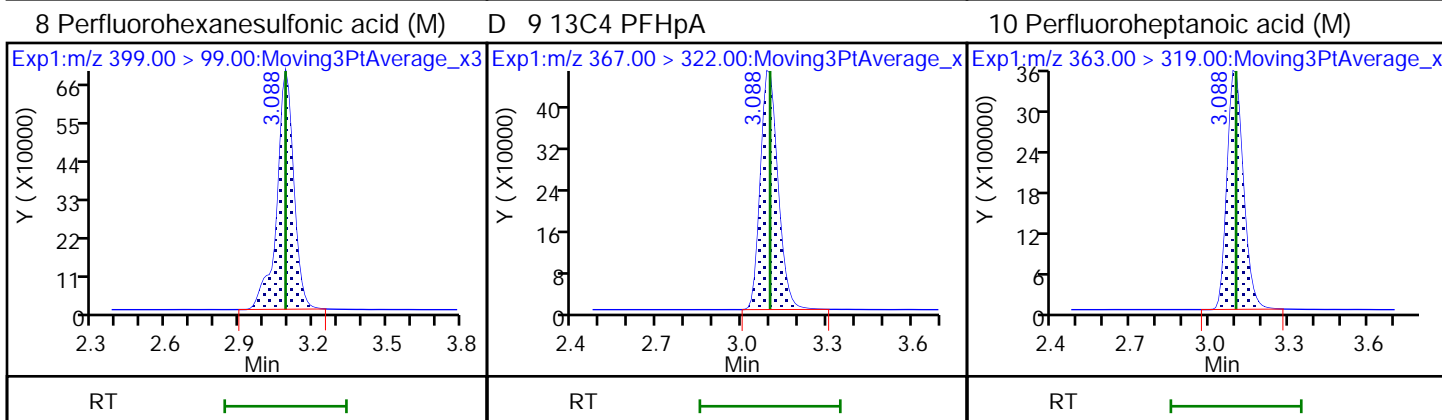
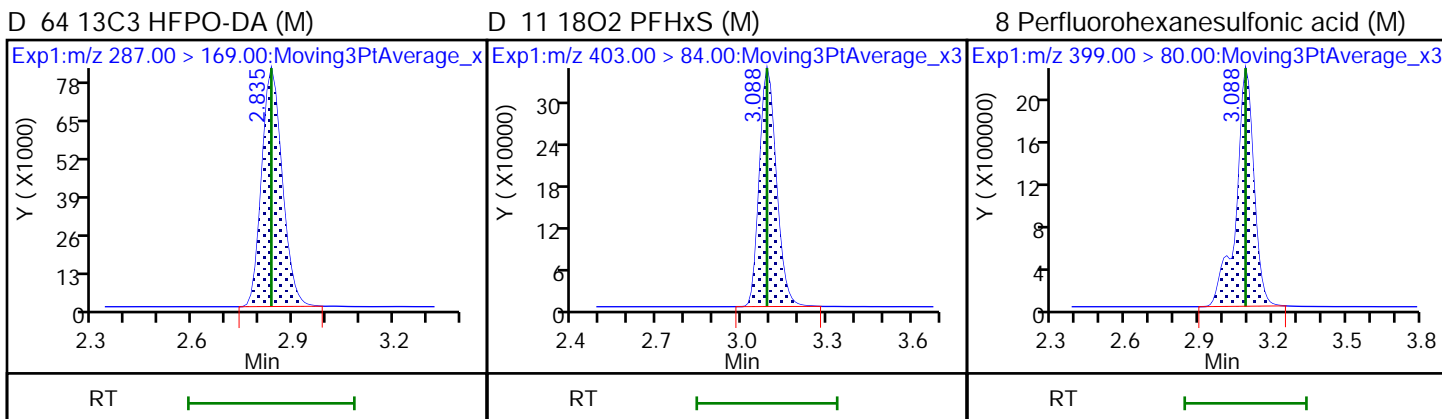
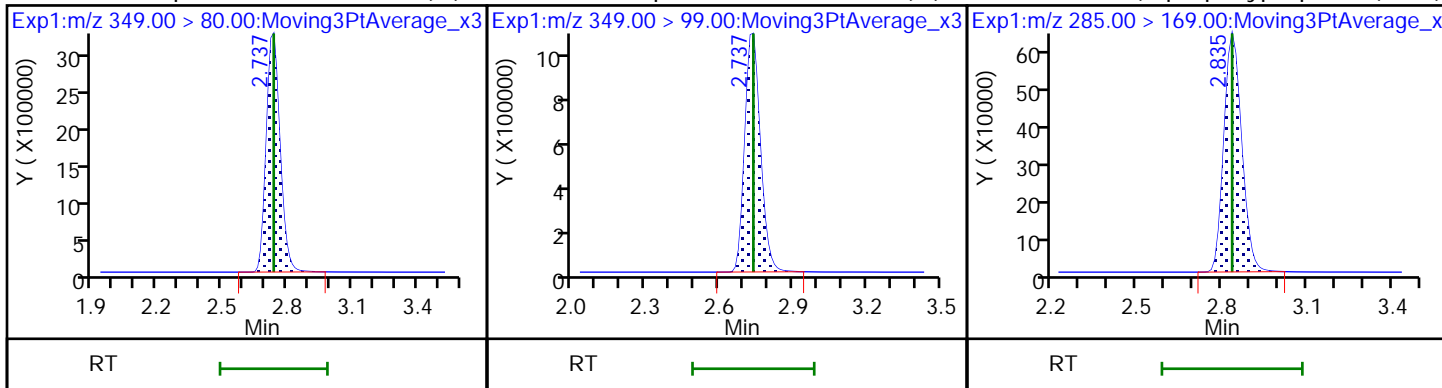
D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

D 3 13C5 PFPeA

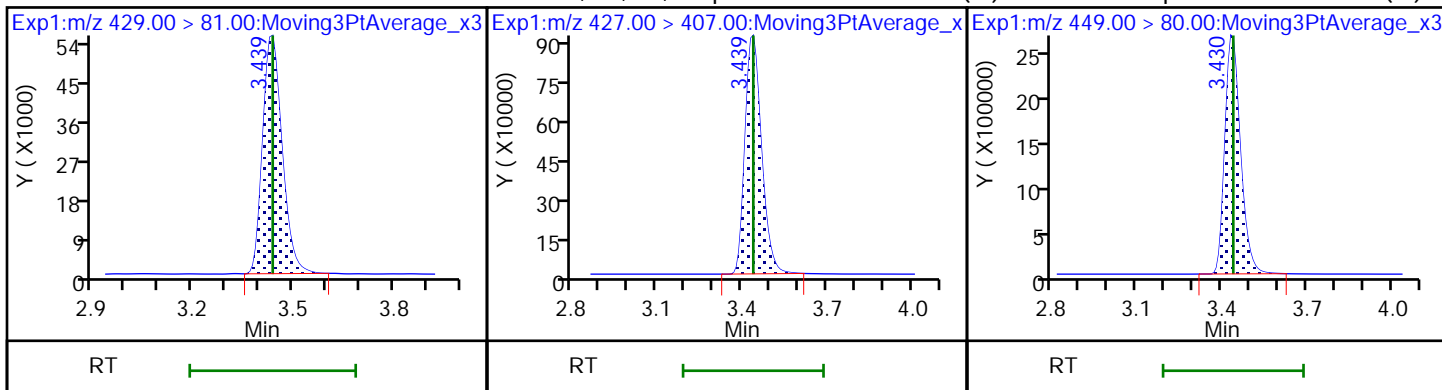


70 Perfluoropentanesulfonic acid (M) 70 Perfluoropentanesulfonic acid (M) 67 Perfluoro(2-propoxypropanoic) ac (M)



D 12 M2-6:2 FTS

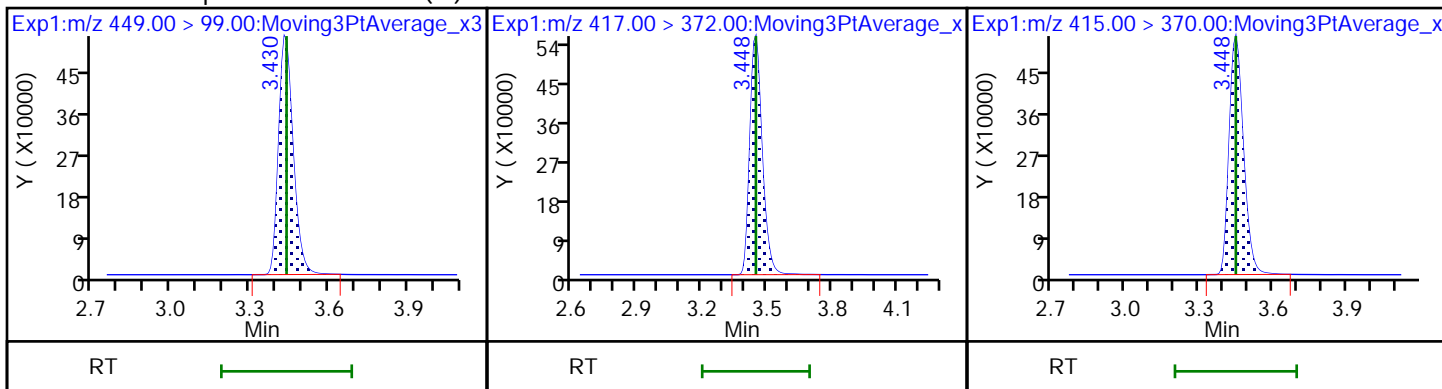
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 6 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

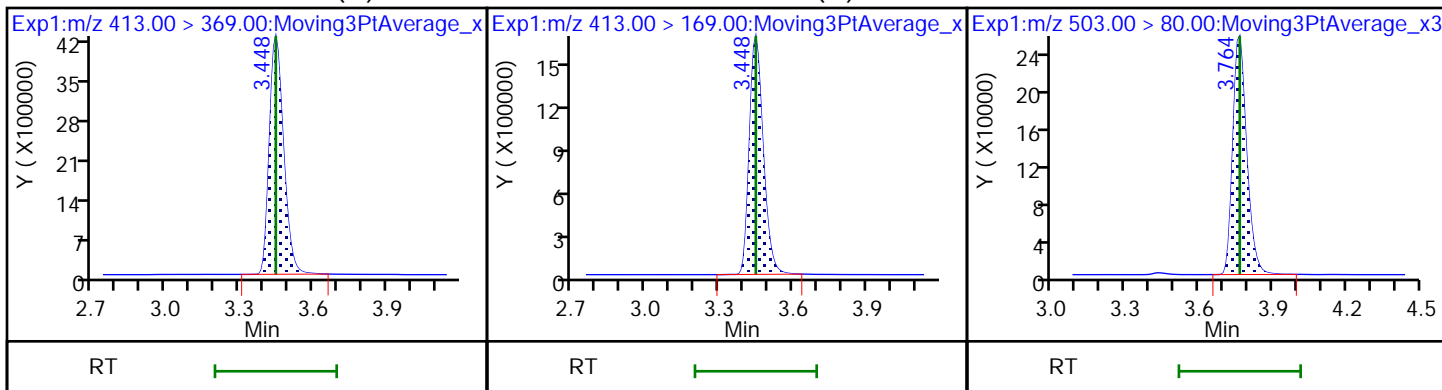
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

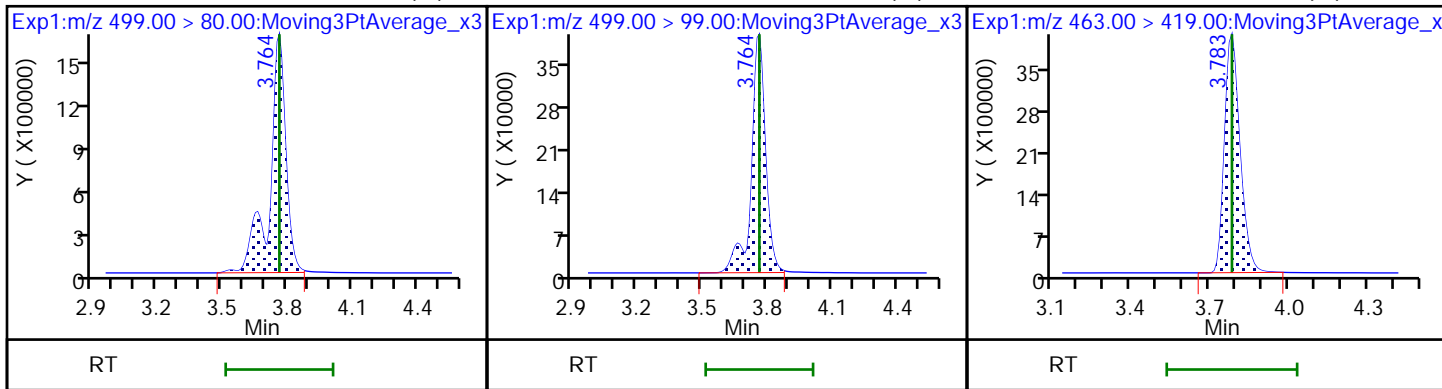
D 18 13C4 PFOS

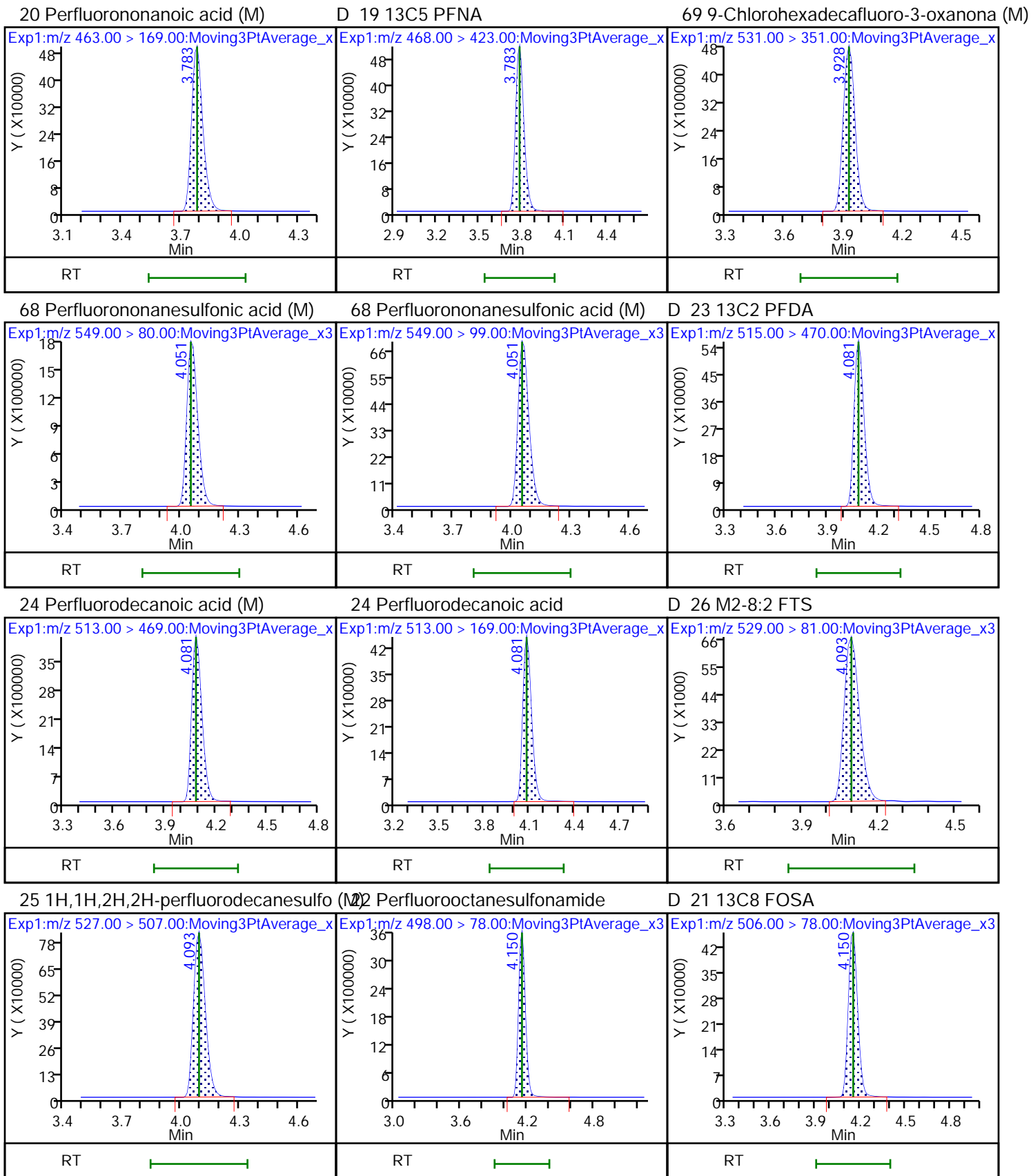


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid (M)

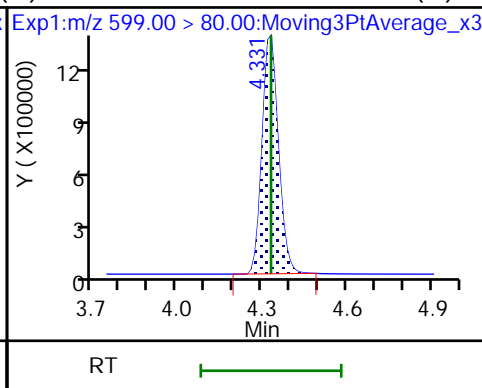
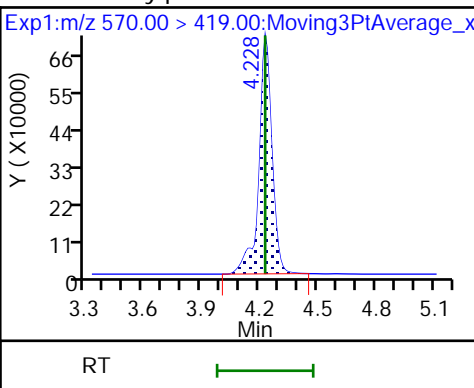
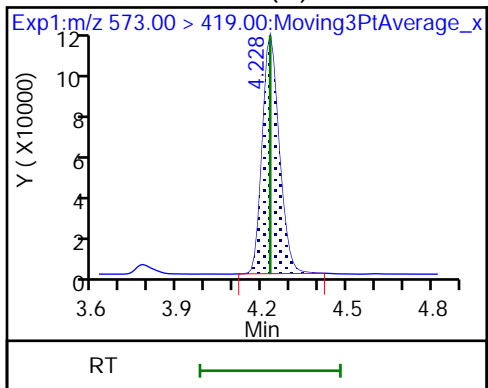




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

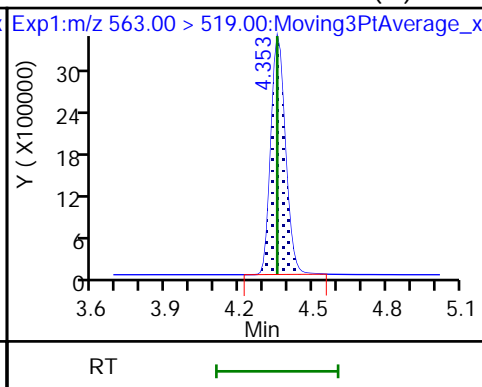
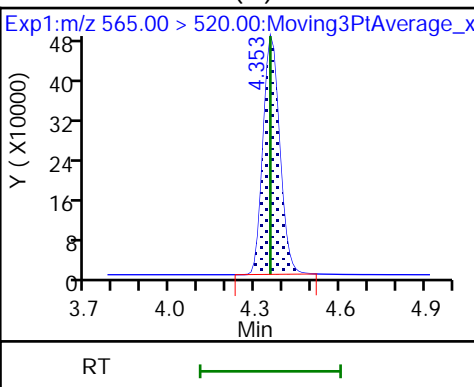
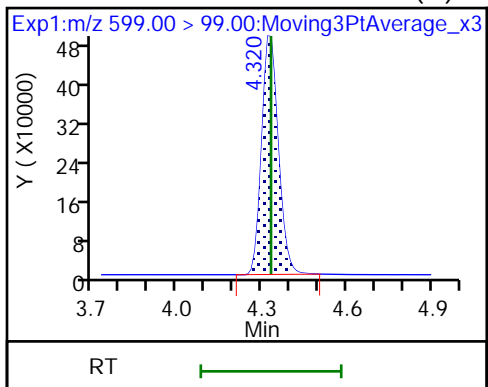
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUnA (M)

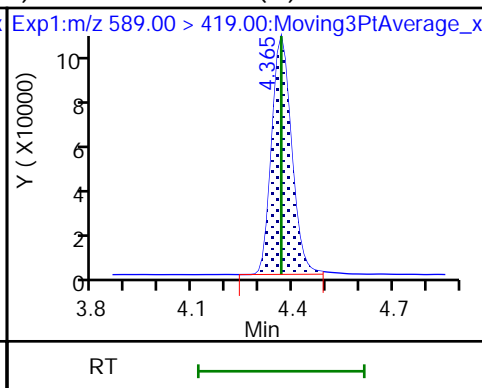
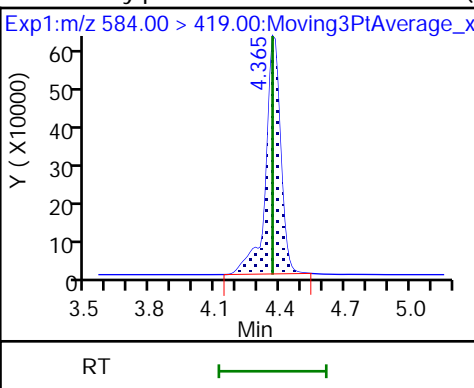
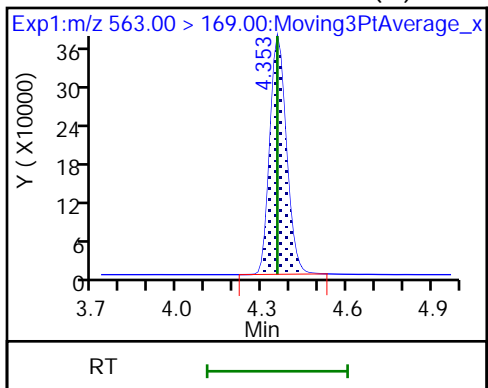
31 Perfluoroundecanoic acid (M)



31 Perfluoroundecanoic acid (M)

33 N-ethylperfluorooctanesulfonamid (M)

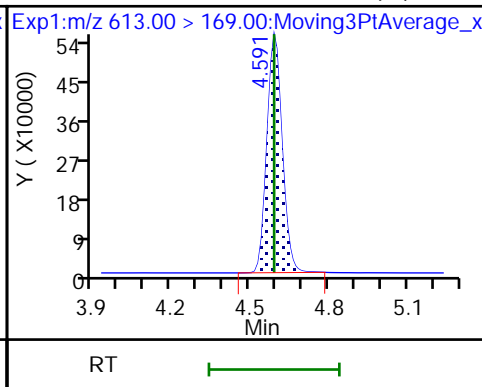
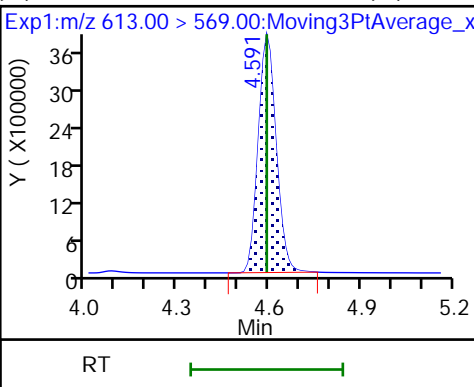
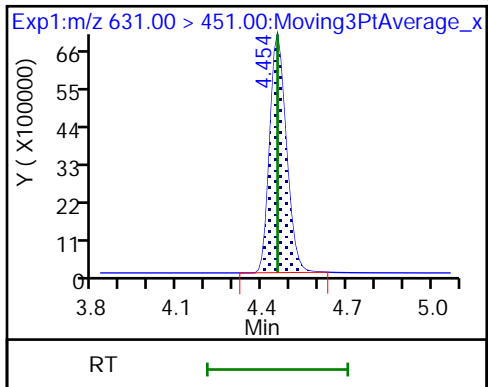
32 d5-NEtFOSAA (M)



66 11-Chloroeicosafuoro-3-oxaundec (M)

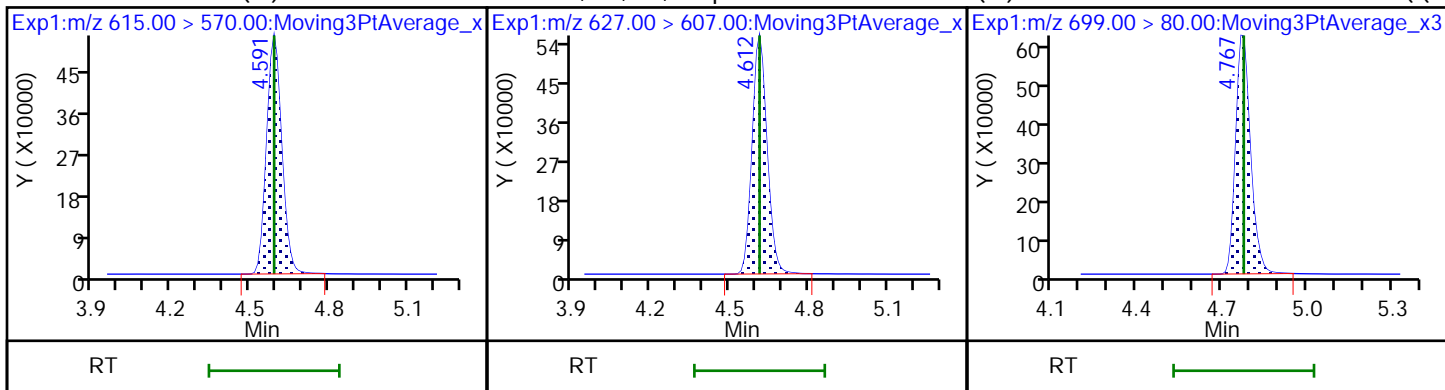
37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid (M)



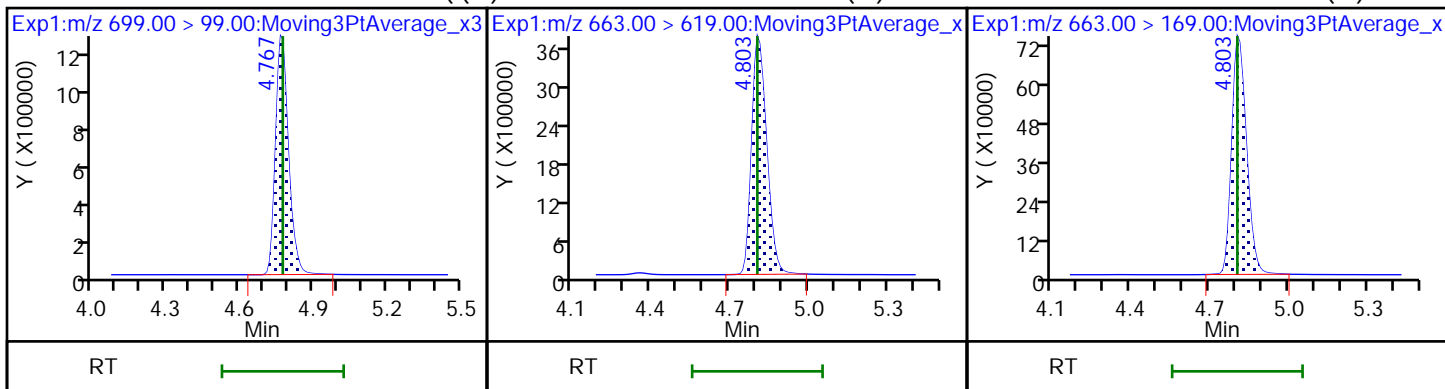
D 36 13C2 PFDa (M)

74 1H,1H,2H,2H-perfluorododecanesul (M) 75 Perfluorododecanesulfonic acid (M)



75 Perfluorododecanesulfonic acid (M) 41 Perfluorotridecanoic acid (M)

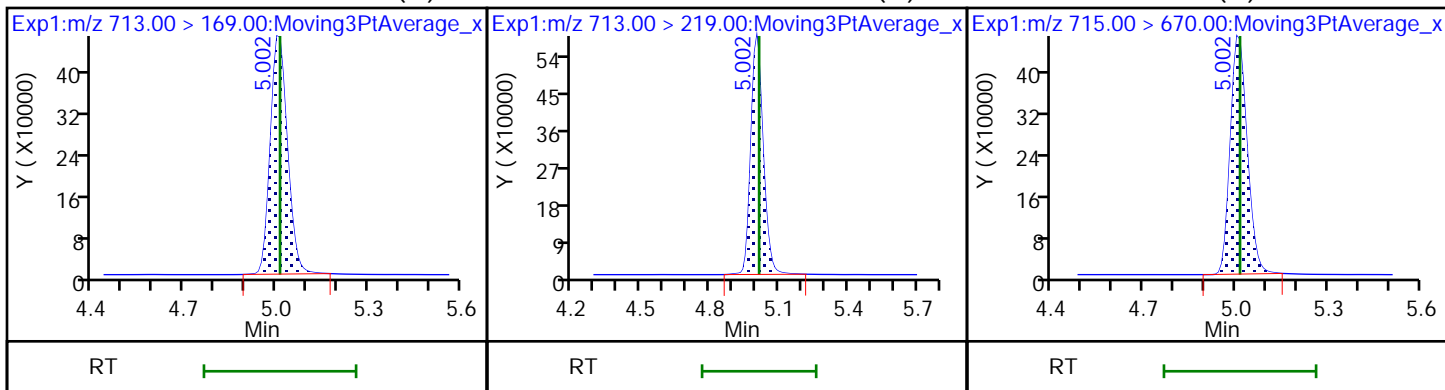
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

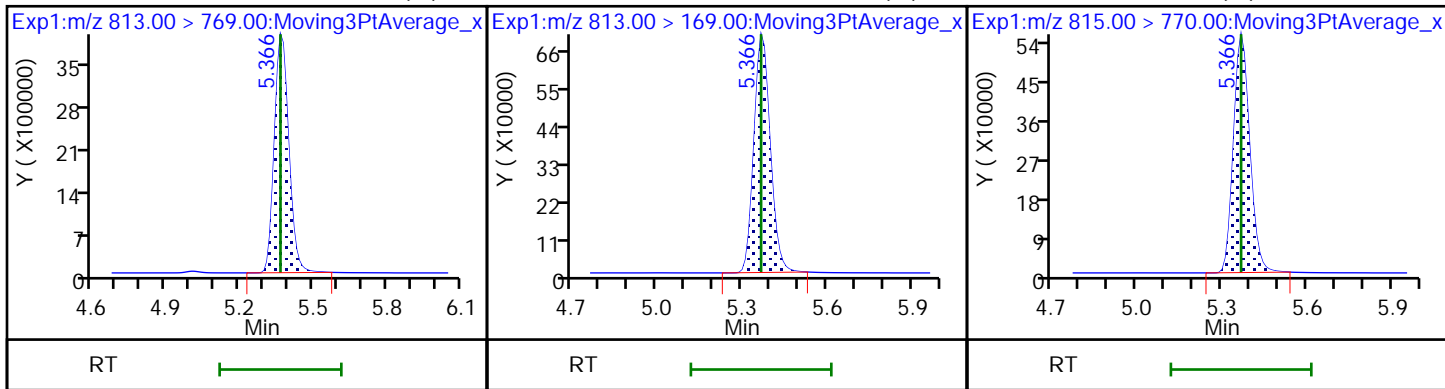
D 43 13C2 PFTeDA (M)



45 Perfluorohexadecanoic acid (M)

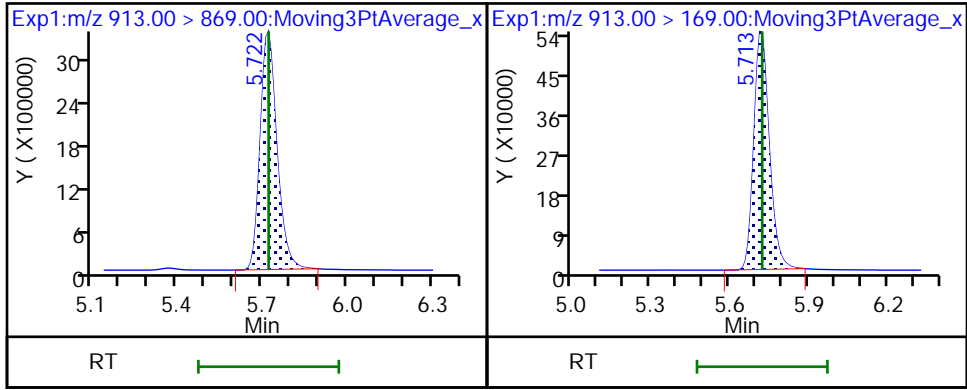
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA (M)



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

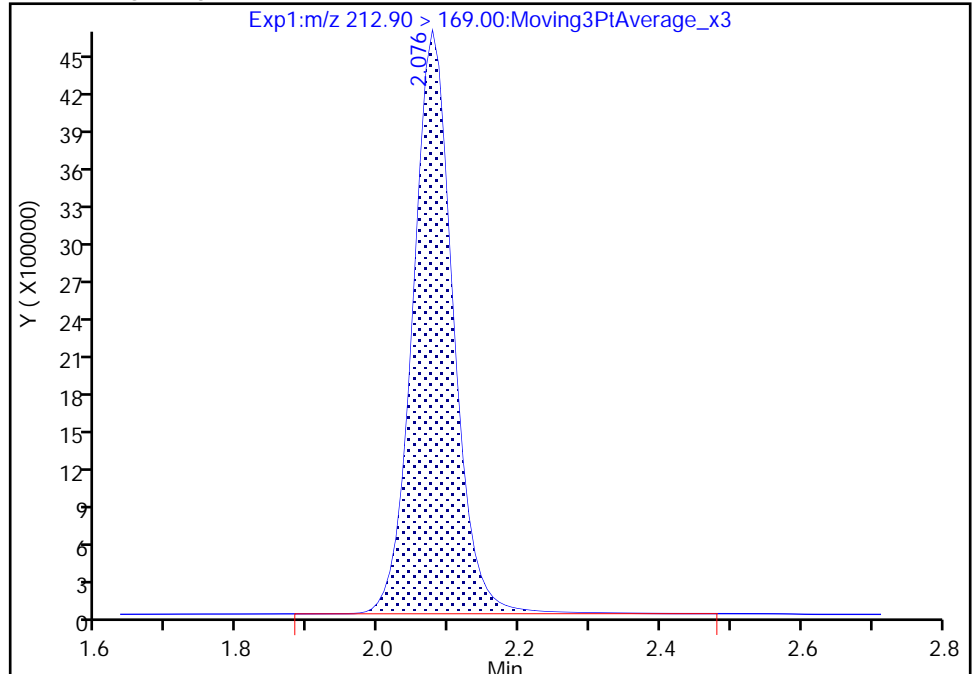
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

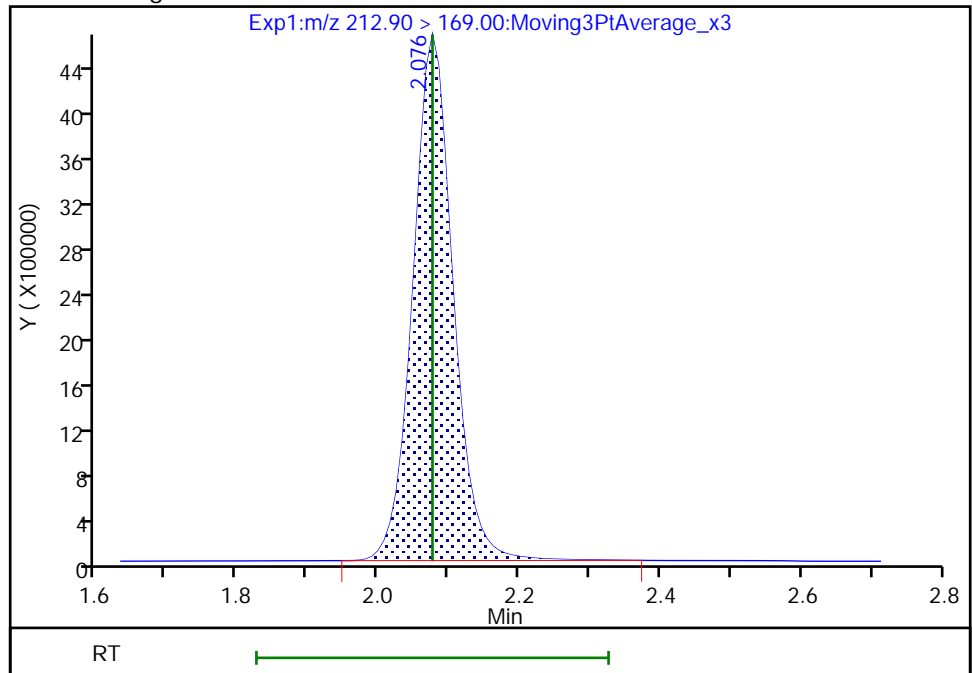
RT: 2.08
Area: 18330073
Amount: 9.001467
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 18287579
Amount: 8.983723
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:23:23
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

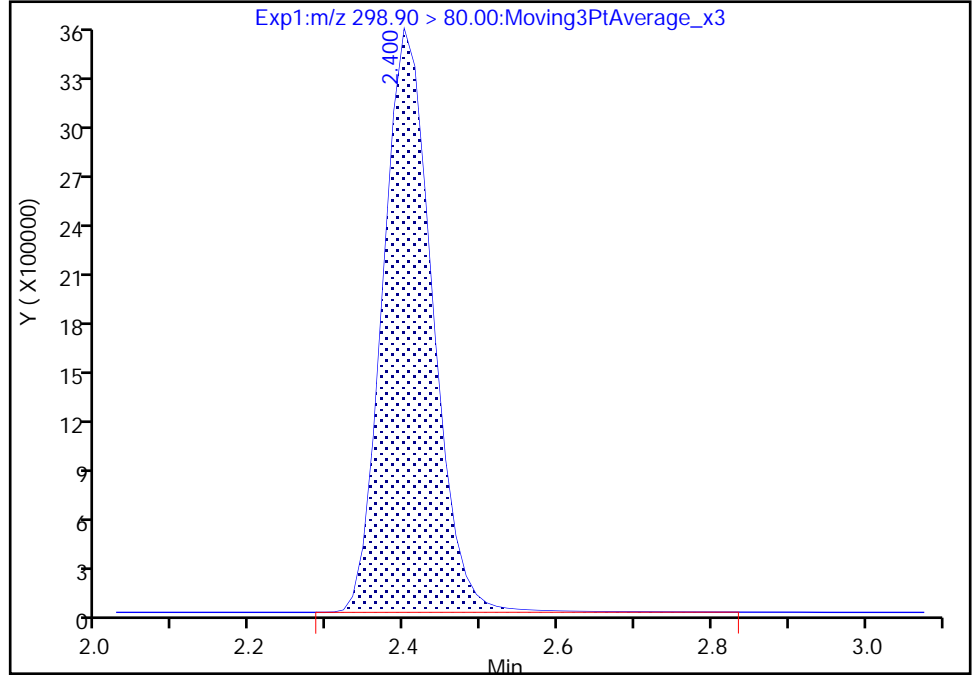
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

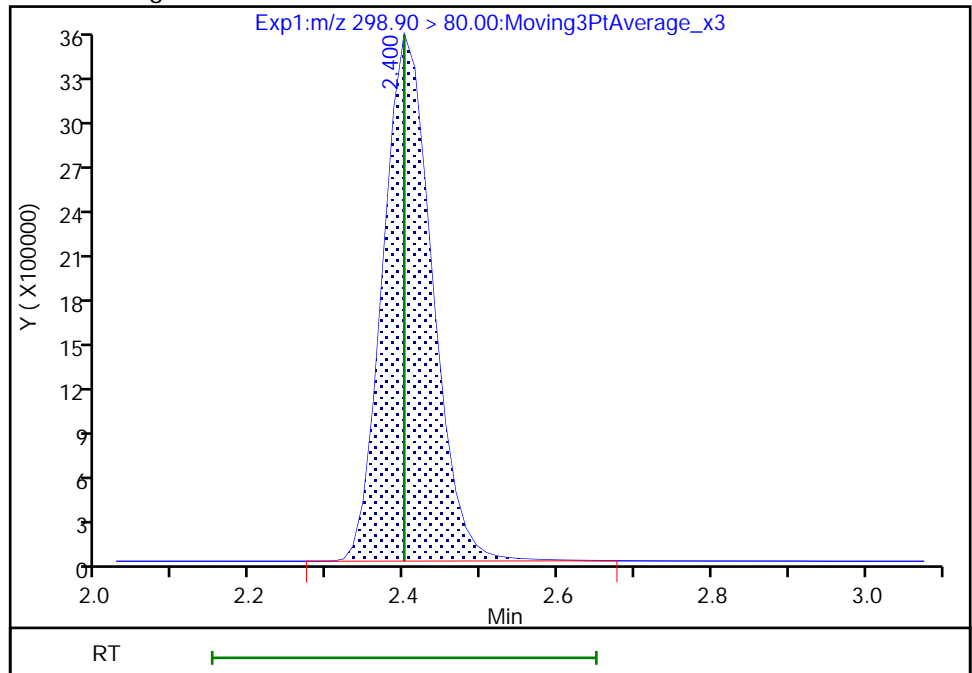
RT: 2.40
Area: 15798970
Amount: 8.357707
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 15764131
Amount: 8.342176
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:23:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

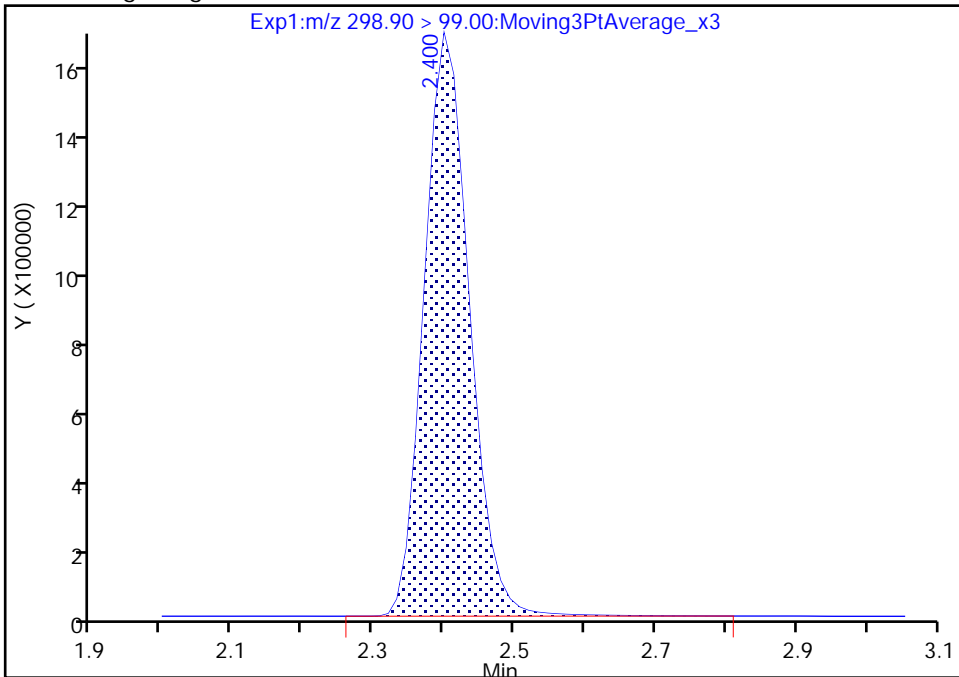
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

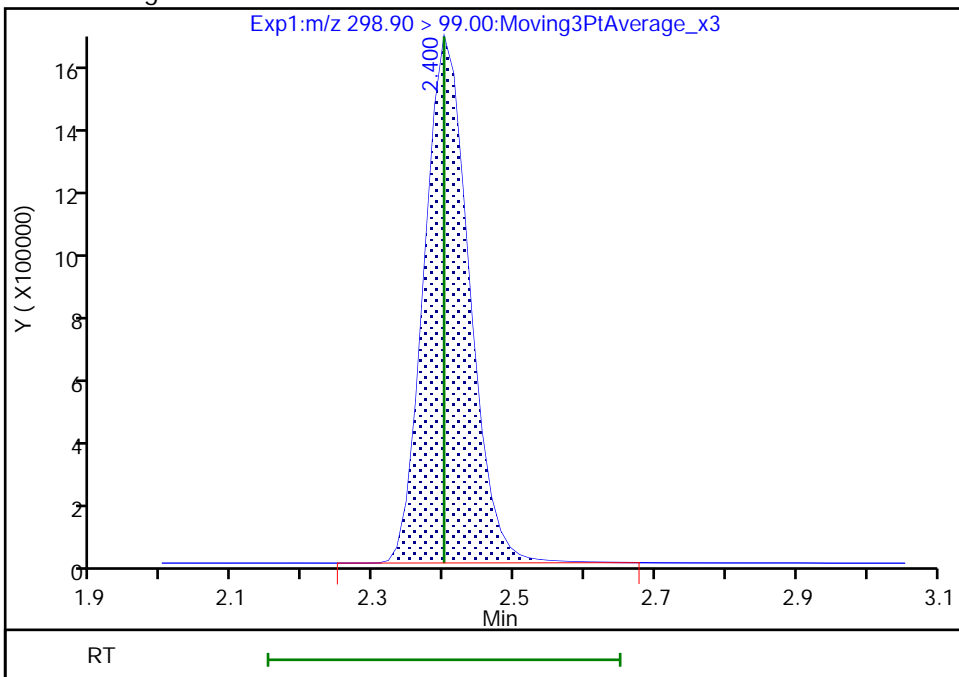
RT: 2.40
Area: 7478716
Amount: 8.357707
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 7462883
Amount: 8.342176
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:23:54

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

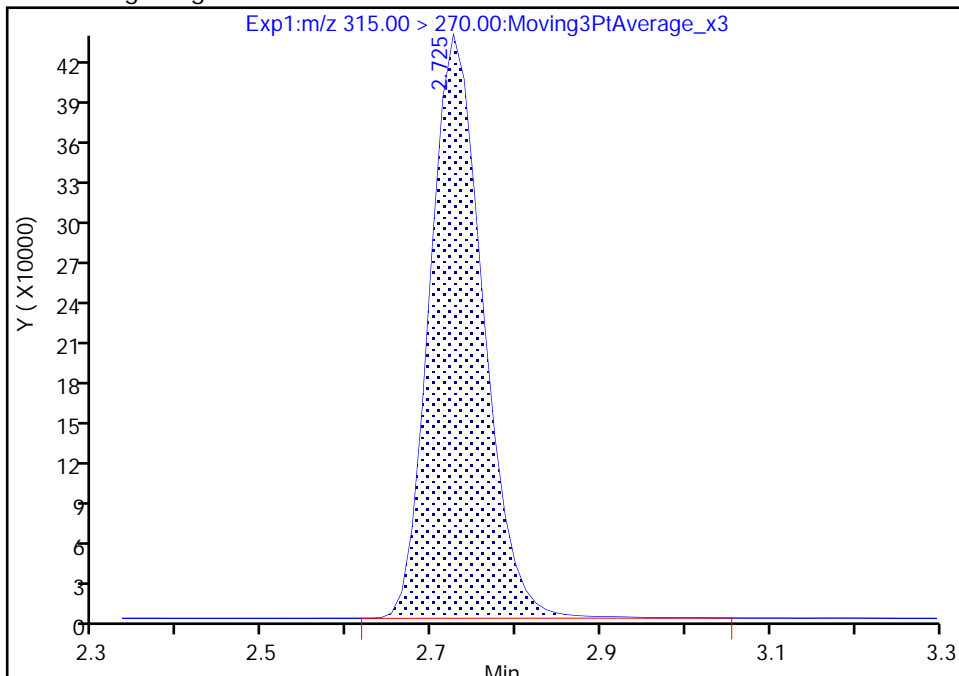
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 7 13C2 PFHxA, CAS: STL00993

Signal: 1

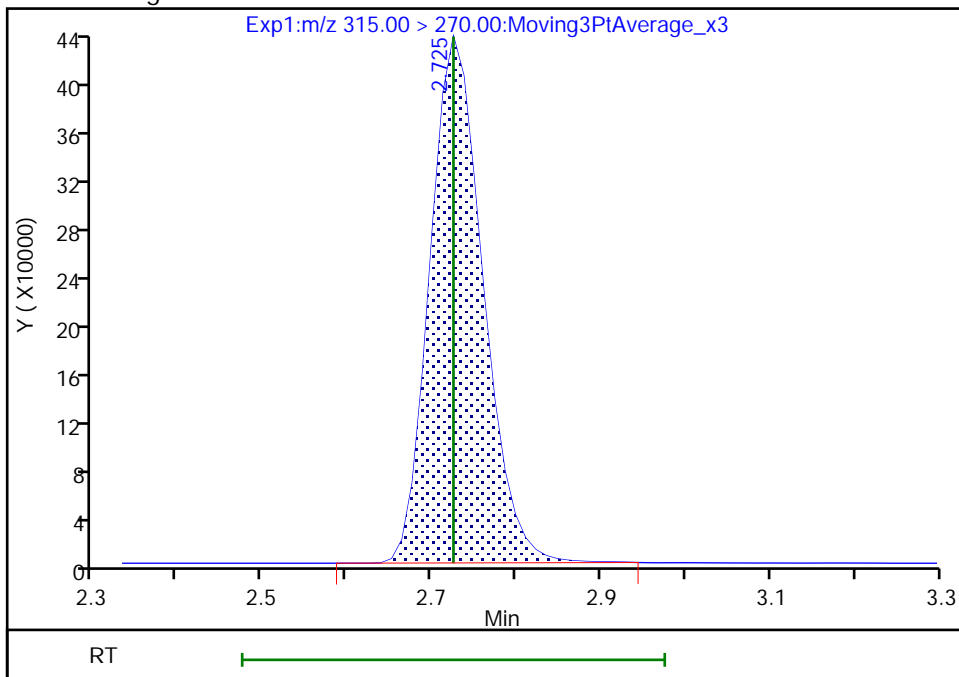
RT: 2.73
Area: 1911172
Amount: 1.275554
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 1905245
Amount: 1.272270
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:24:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

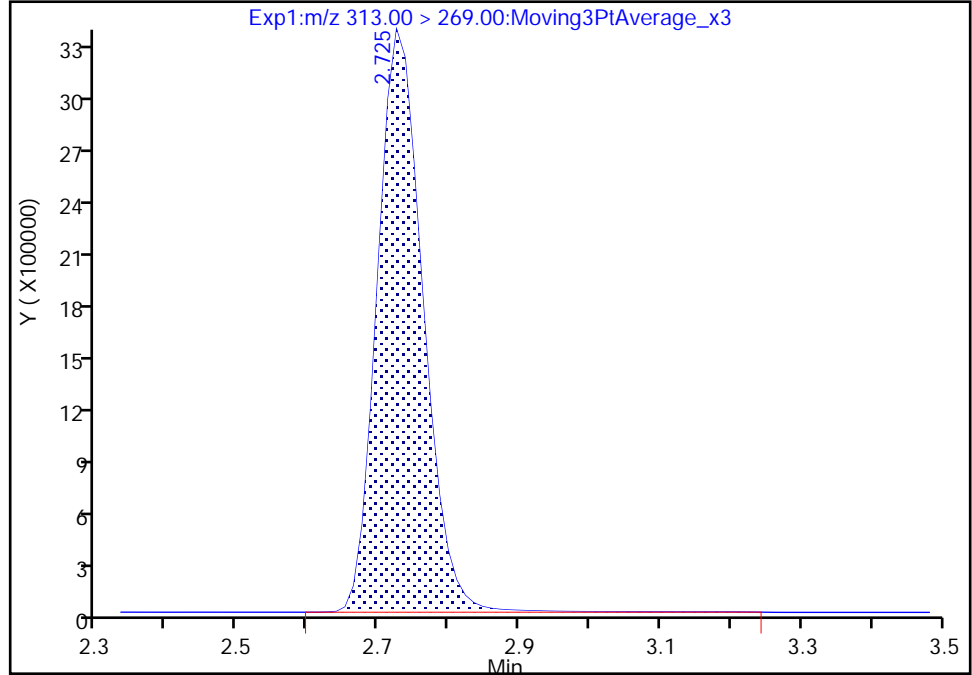
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

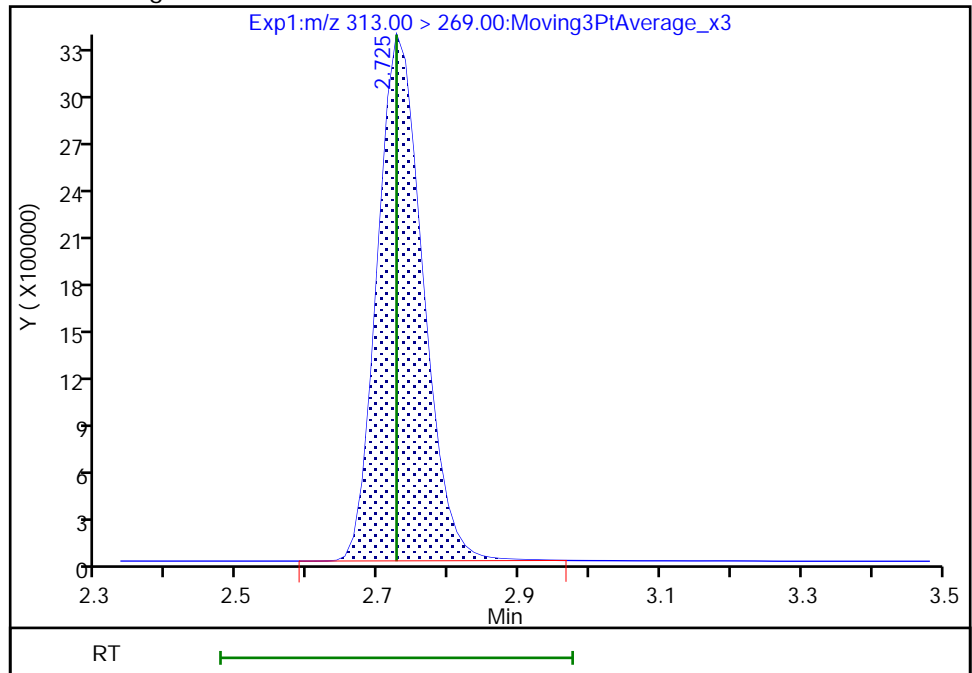
RT: 2.73
Area: 15003210
Amount: 9.027111
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 14928997
Amount: 8.989149
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:24:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

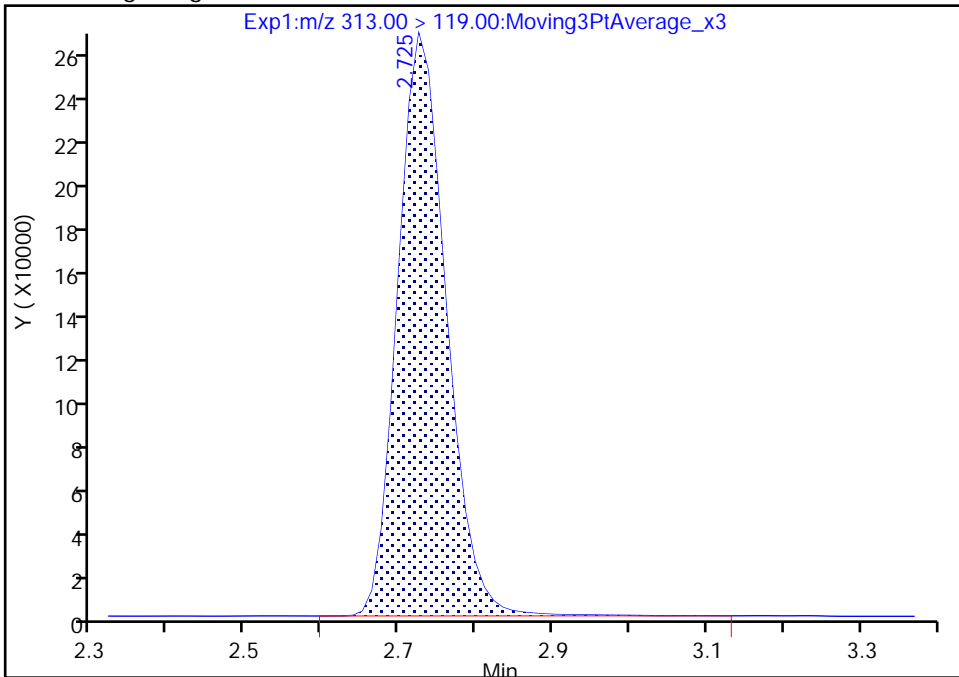
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

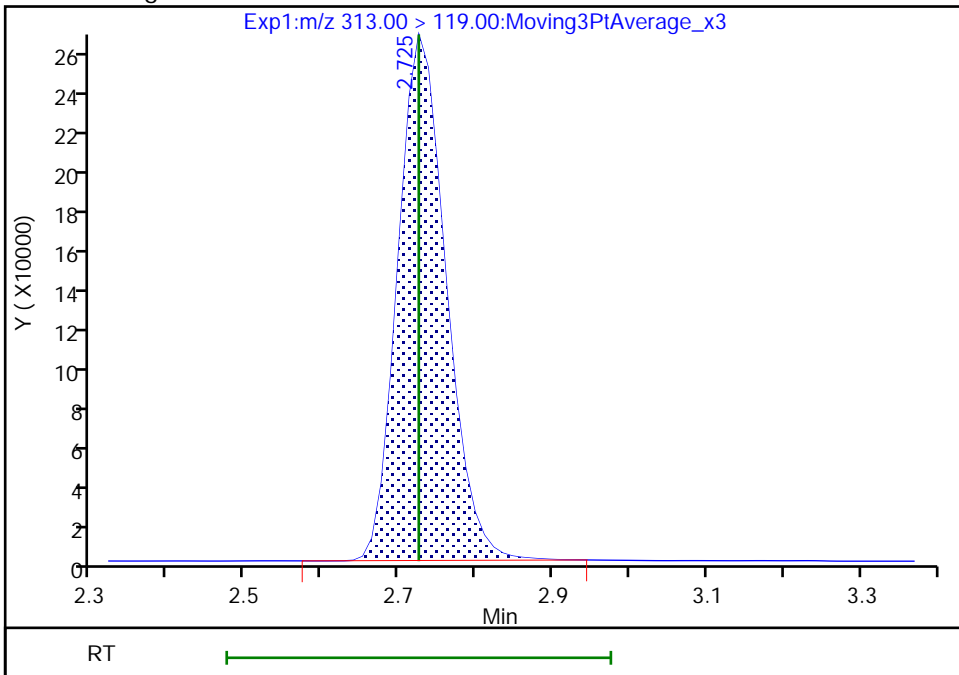
RT: 2.73
Area: 1145989
Amount: 9.027111
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 1139463
Amount: 8.989149
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:24:22

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

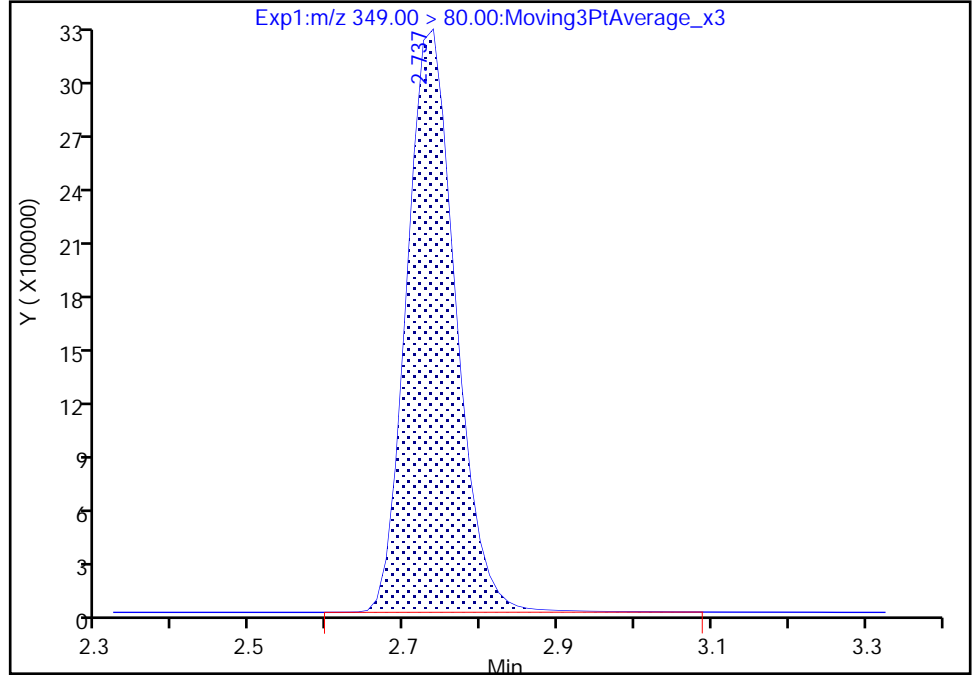
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

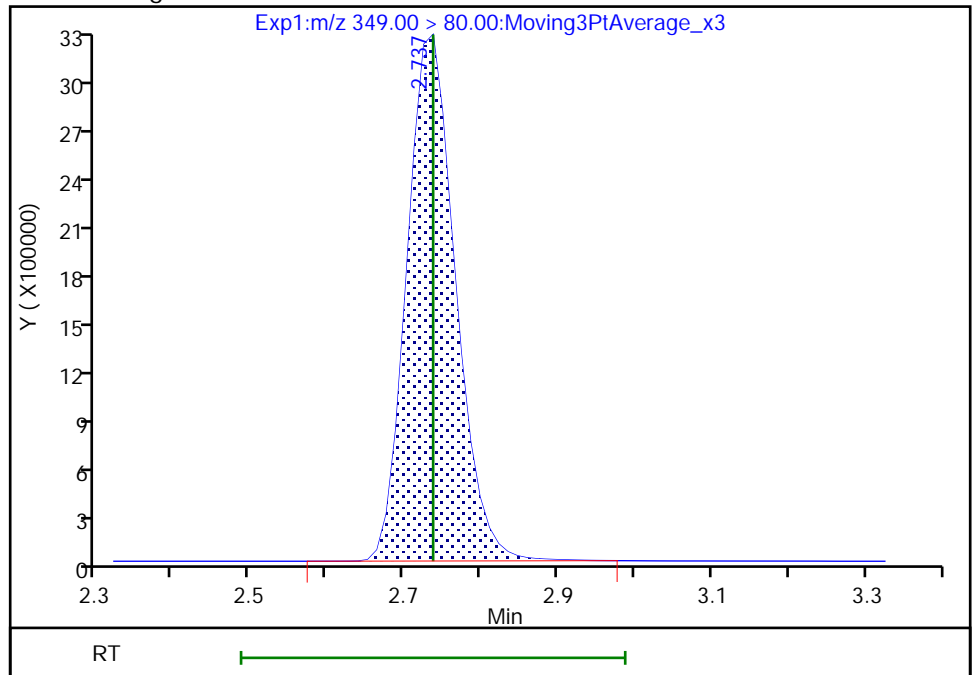
RT: 2.74
Area: 14186111
Amount: 8.840241
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 14151584
Amount: 8.842730
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:24:28
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

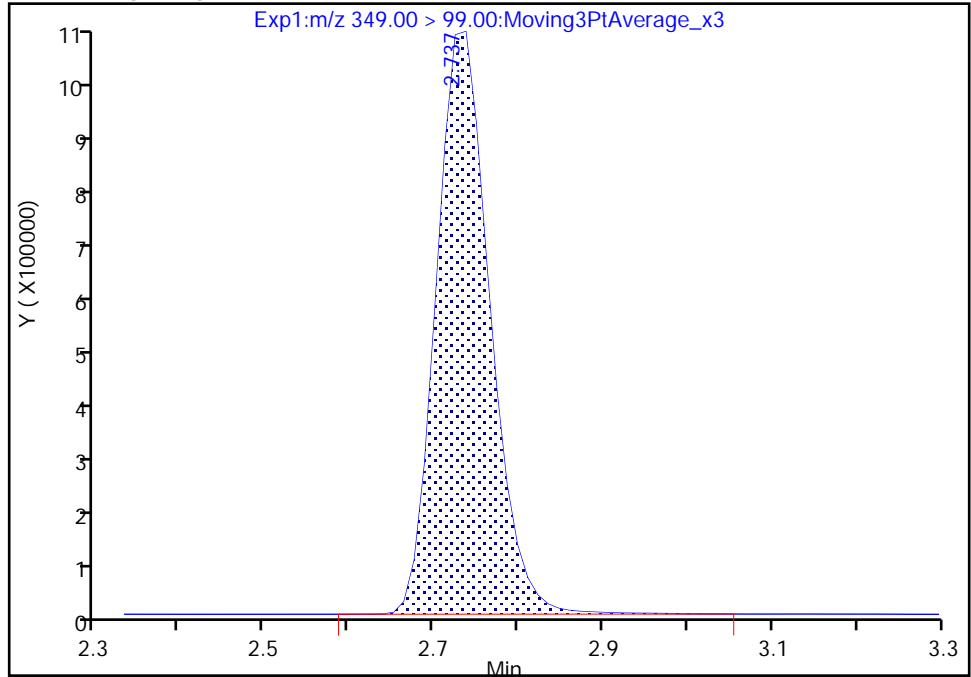
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 2

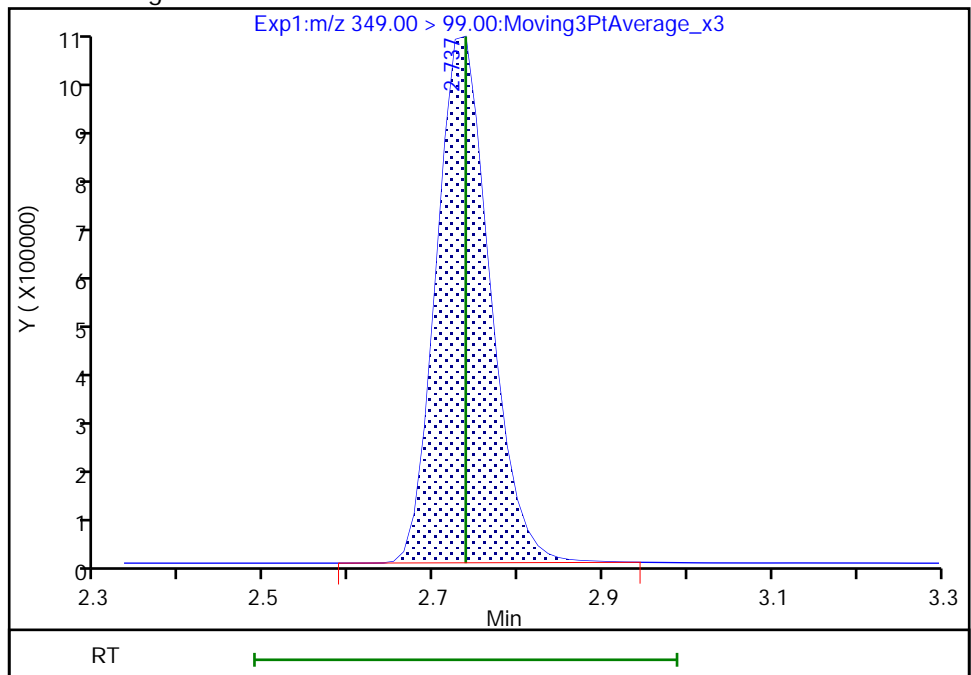
RT: 2.74
Area: 4717898
Amount: 8.840241
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 4699585
Amount: 8.842730
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:24:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

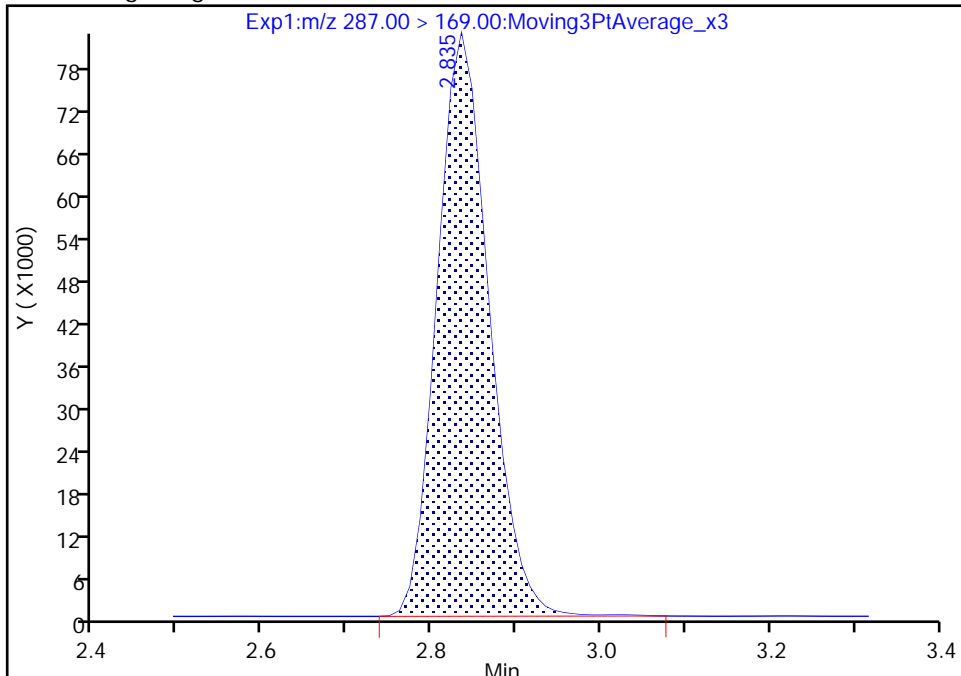
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 64 13C3 HFPO-DA, CAS: STL02255

Signal: 1

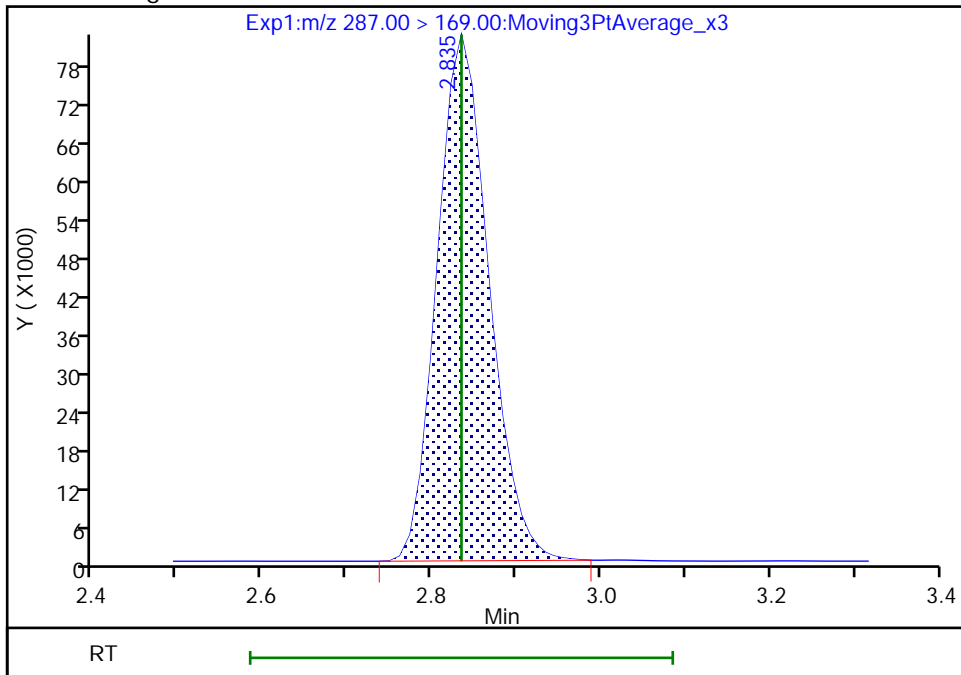
RT: 2.83
Area: 350493
Amount: 1.325043
Amount Units: ng/ml

Processing Integration Results



RT: 2.83
Area: 349067
Amount: 1.320601
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:24:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

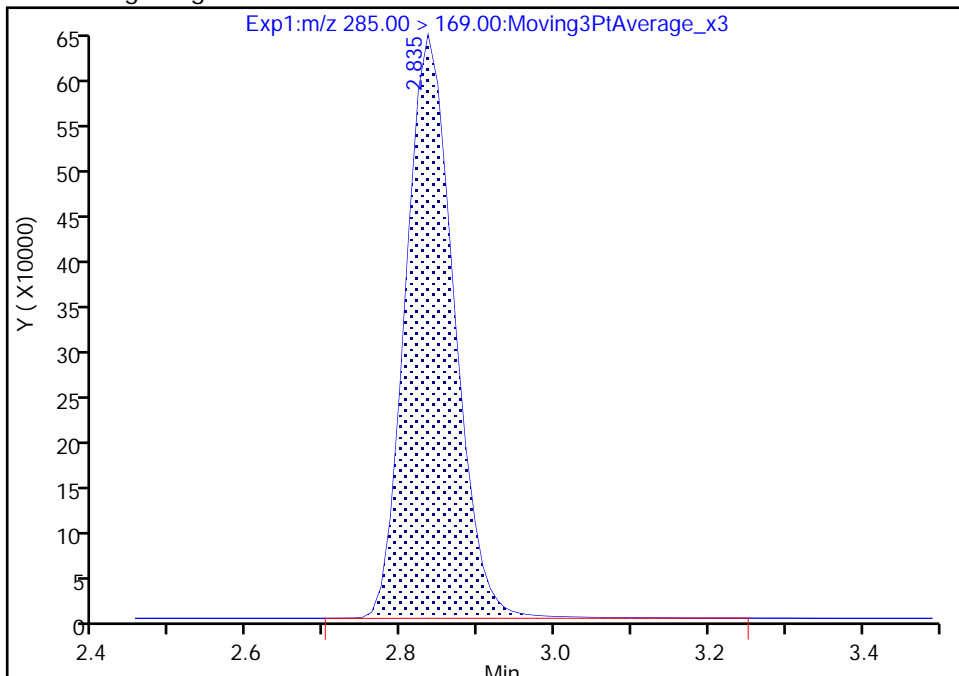
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

67 Perfluoro(2-propoxypropanoic) ac, CAS: 13252-13-6

Signal: 1

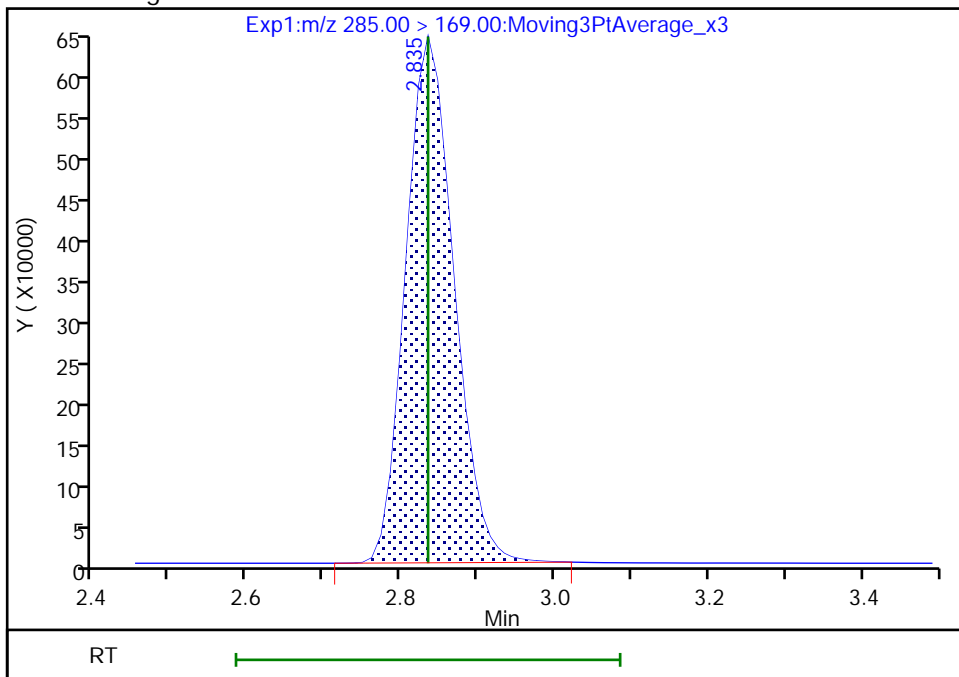
RT: 2.83
Area: 2806230
Amount: 9.475934
Amount Units: ng/ml

Processing Integration Results



RT: 2.83
Area: 2790710
Amount: 9.464218
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:24:39
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

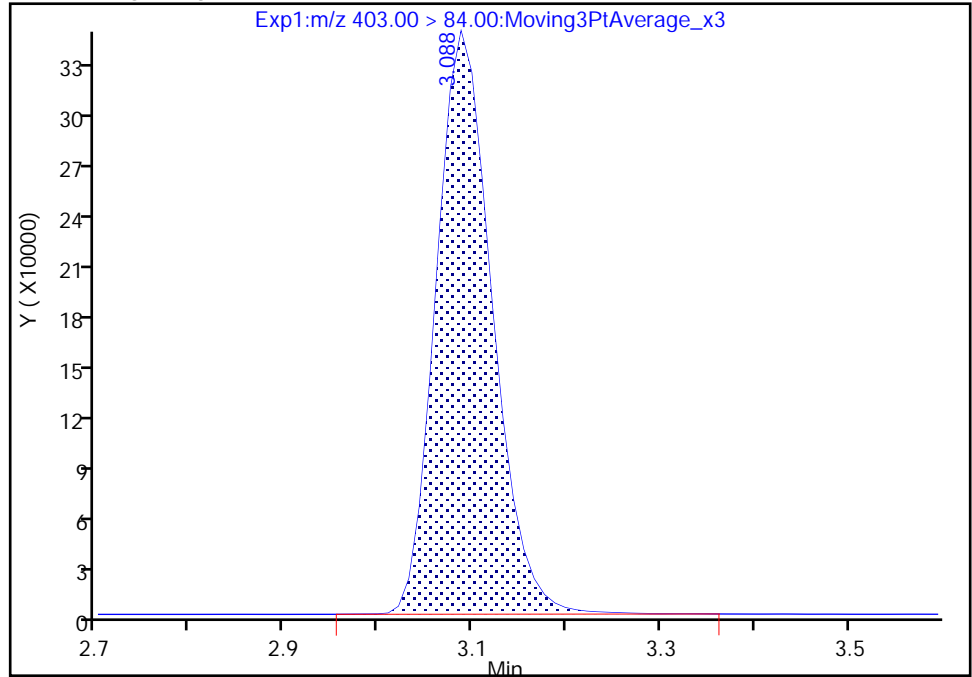
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 11 18O2 PFHxS, CAS: STL00994
Signal: 1

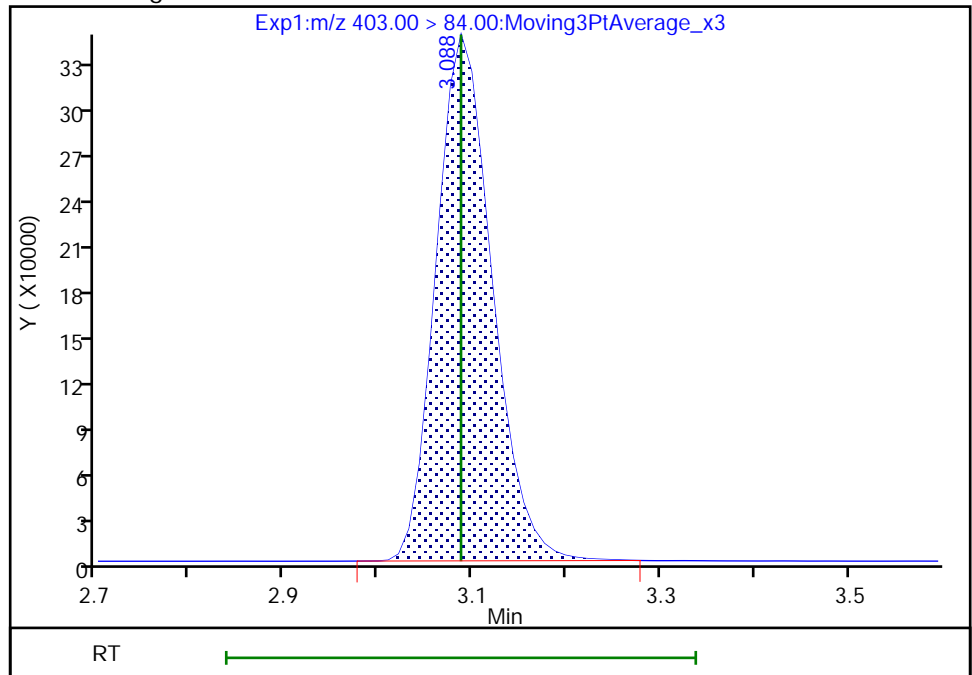
RT: 3.09
Area: 1421016
Amount: 1.255570
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 1417084
Amount: 1.252709
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:24:51
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

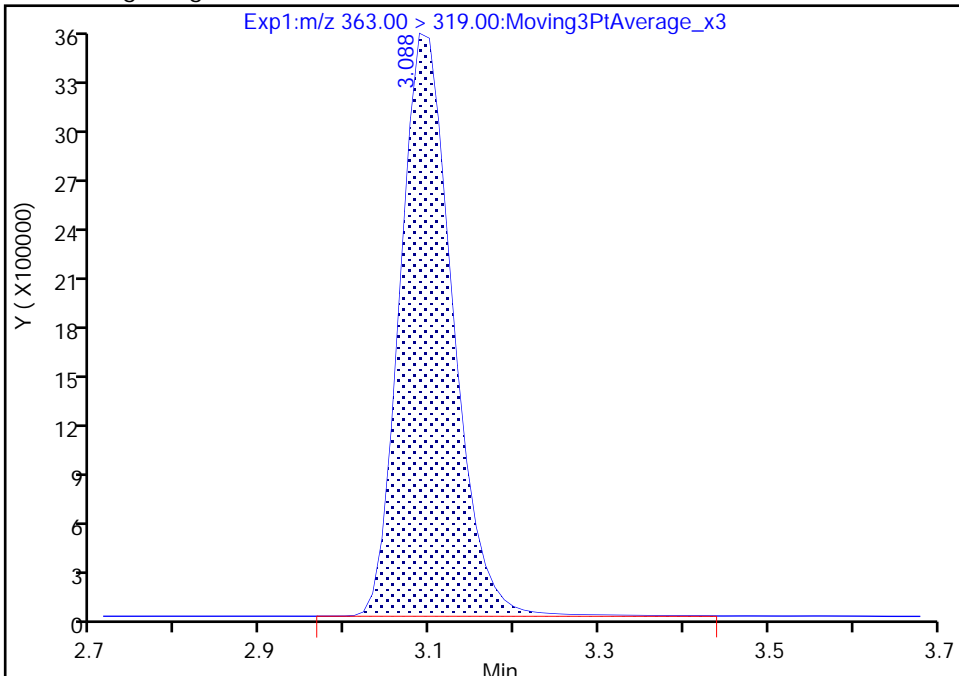
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

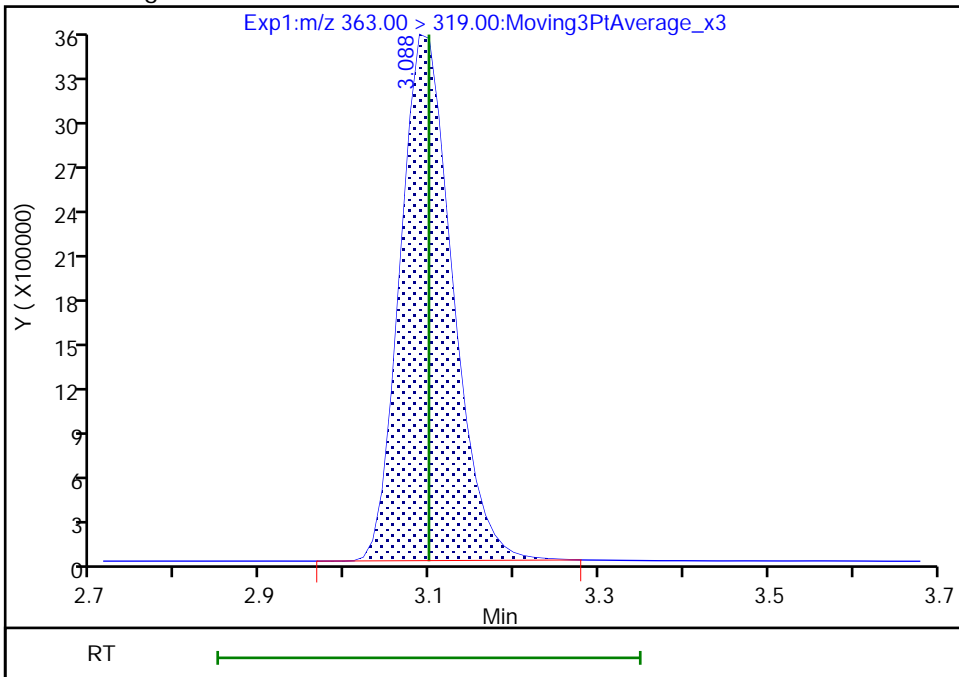
RT: 3.09
Area: 15507574
Amount: 9.027672
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 15384783
Amount: 8.966873
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:25:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

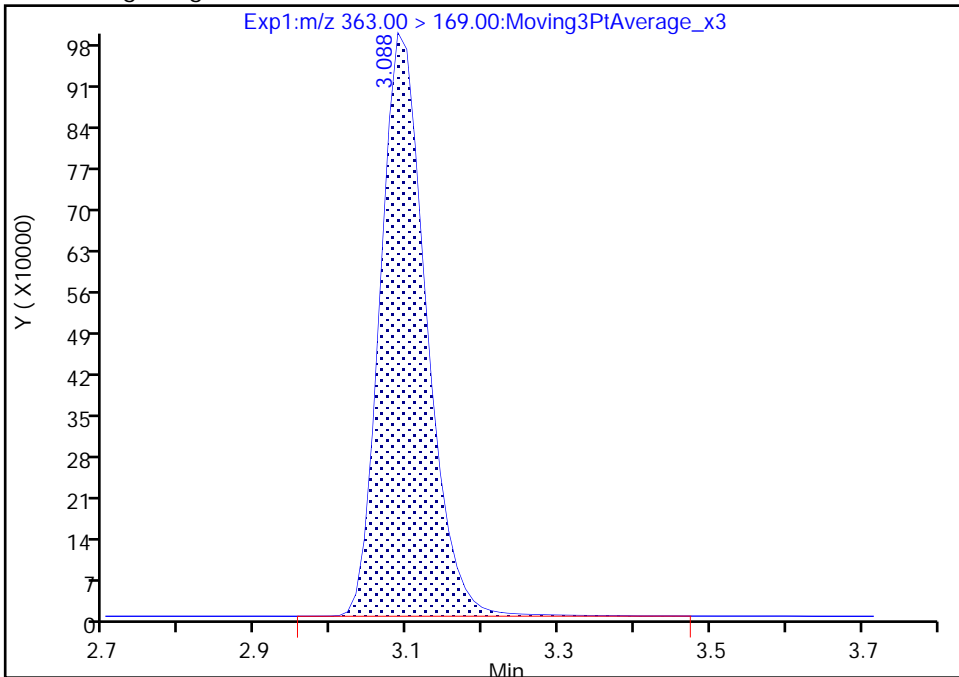
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

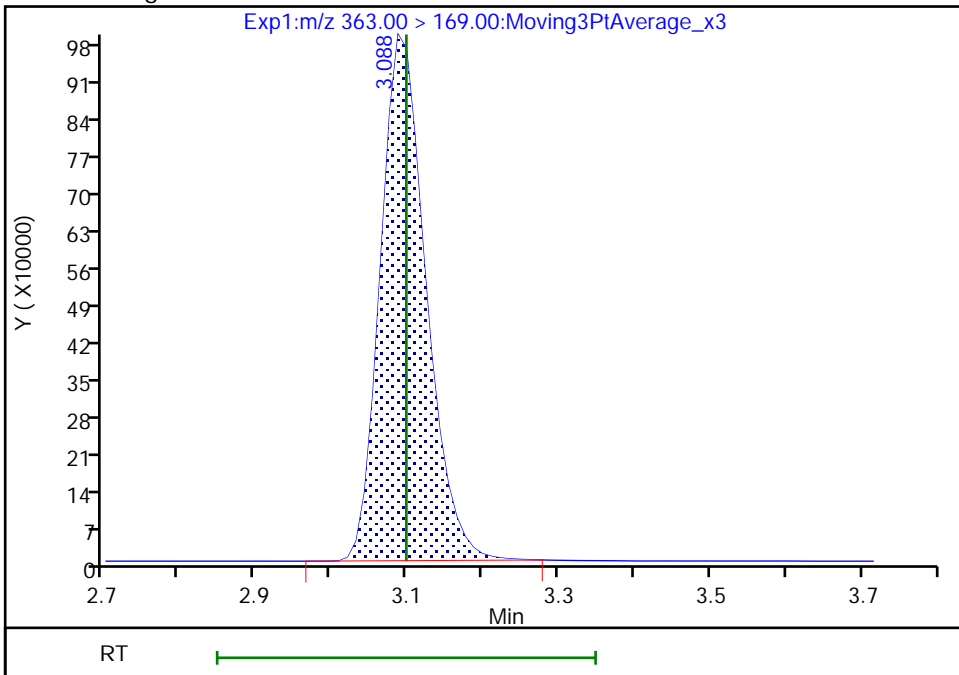
RT: 3.09
Area: 4165412
Amount: 9.027672
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 4138402
Amount: 8.966873
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:25:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

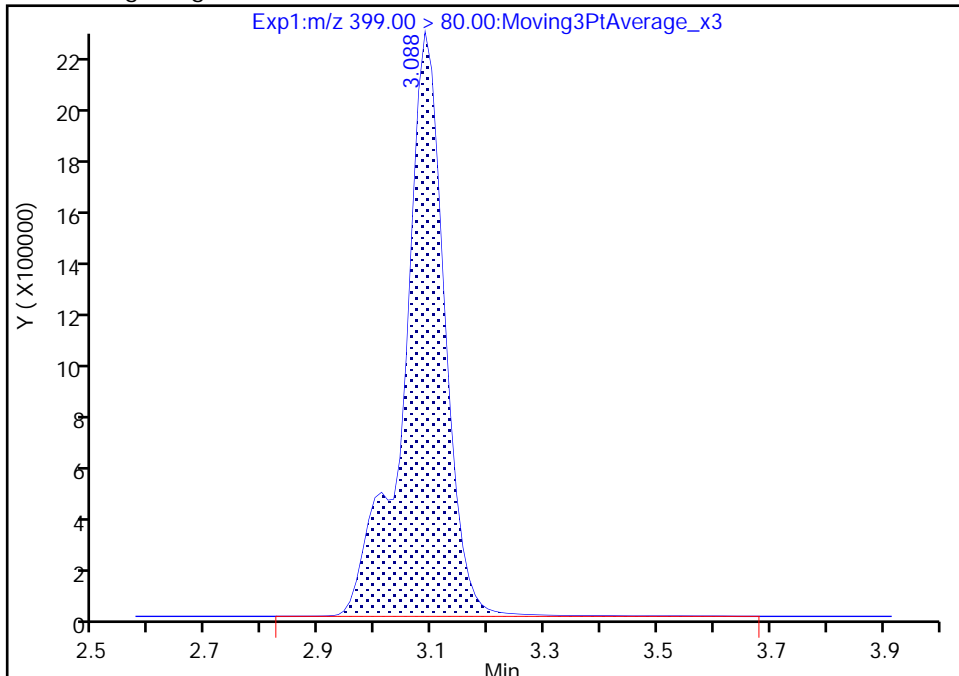
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

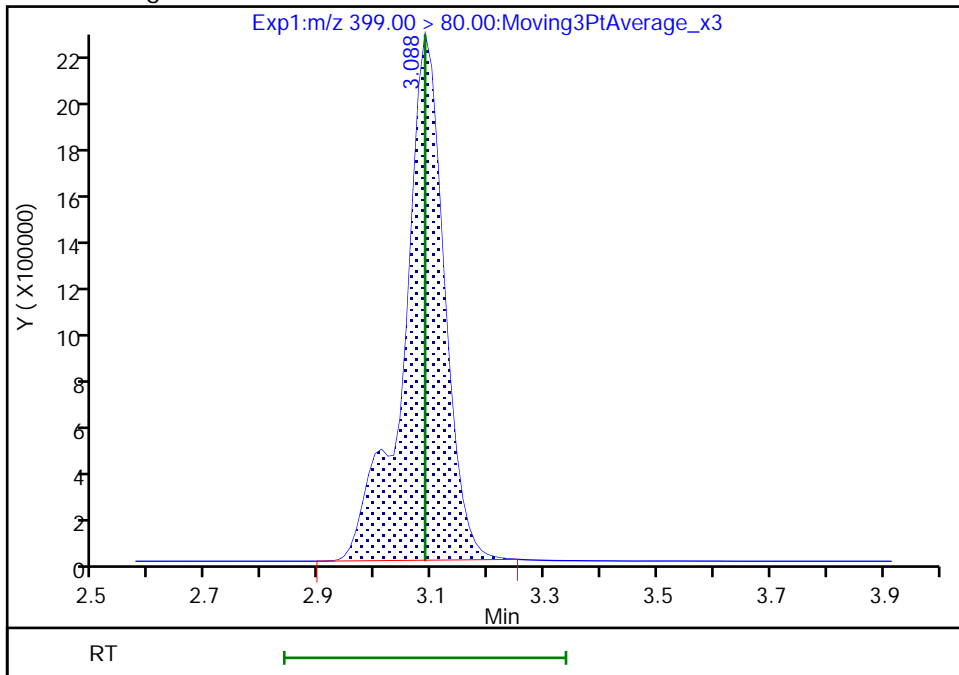
RT: 3.09
Area: 11572919
Amount: 8.540763
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 11438488
Amount: 8.456920
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:24:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

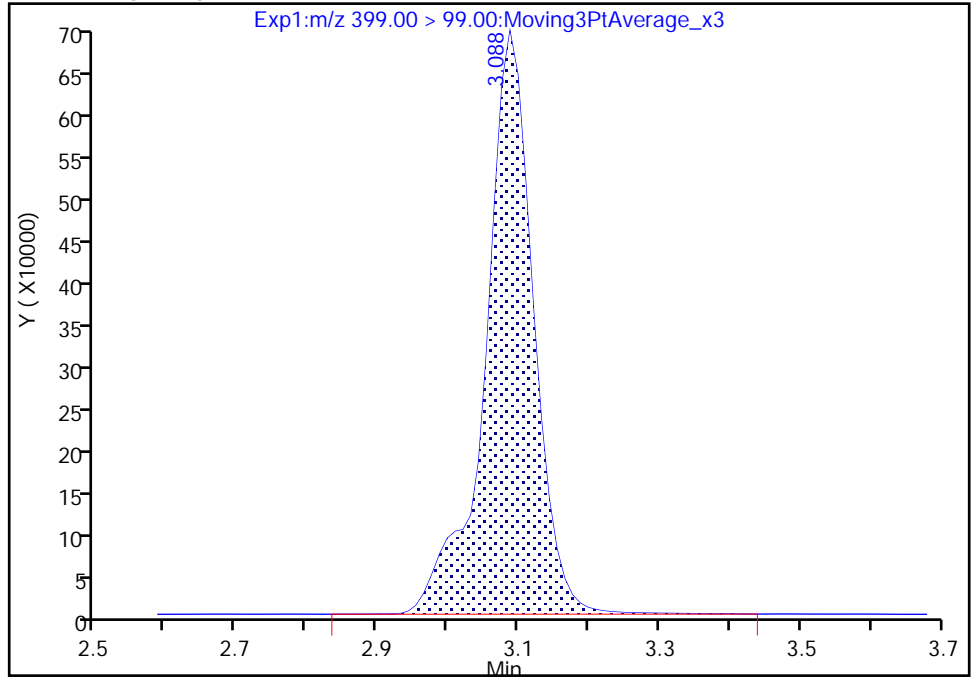
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

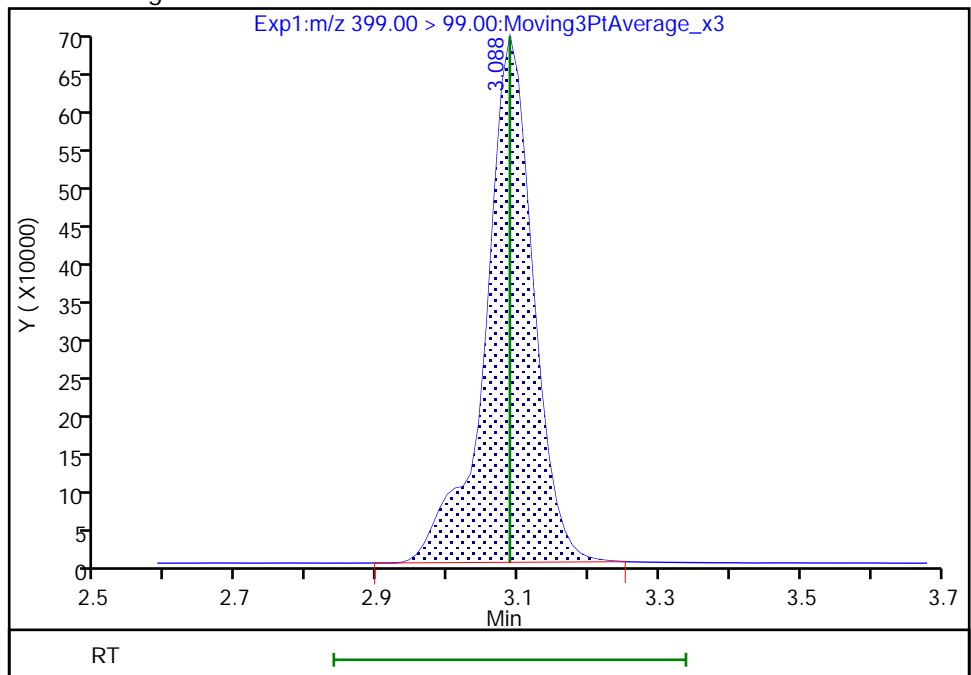
RT: 3.09
Area: 3294366
Amount: 8.540763
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 3266390
Amount: 8.456920
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:25:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

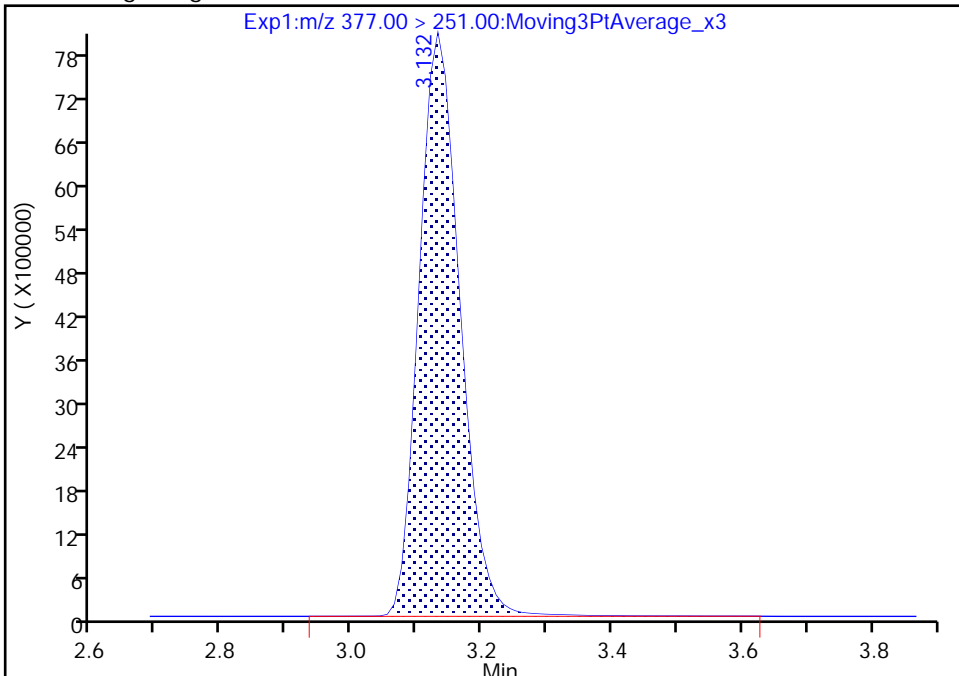
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 1

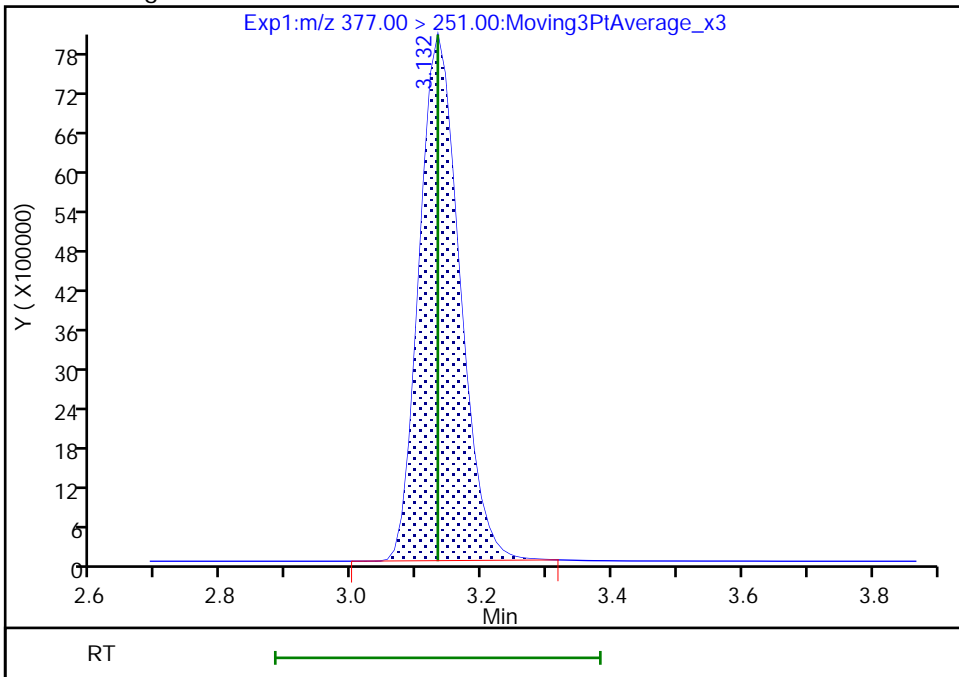
RT: 3.13
Area: 35196938
Amount: 7.677645
Amount Units: ng/ml

Processing Integration Results



RT: 3.13
Area: 34921387
Amount: 7.625648
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:25:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

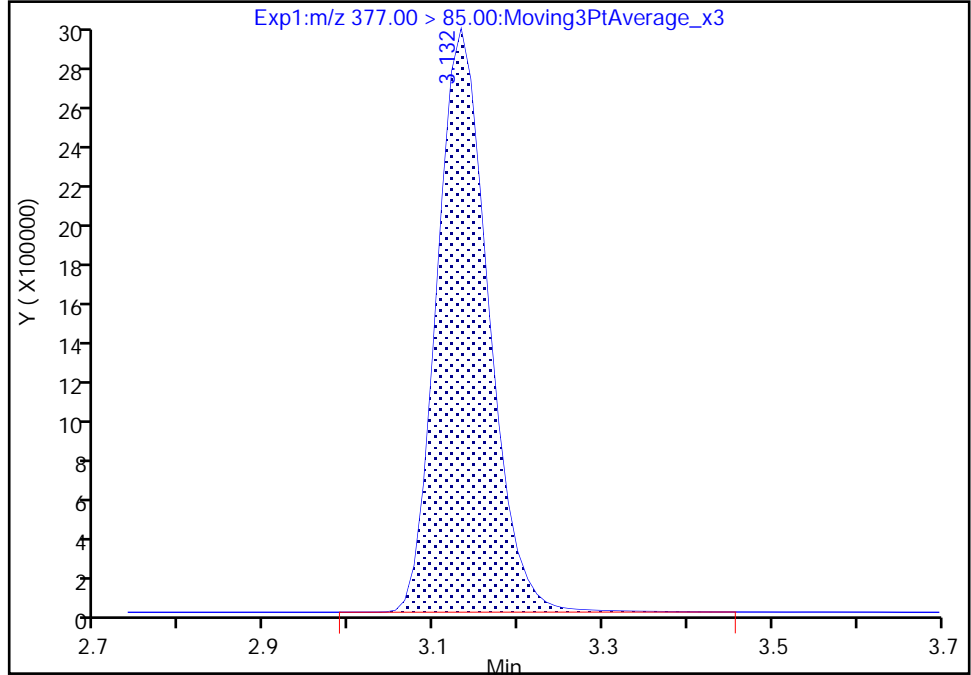
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 2

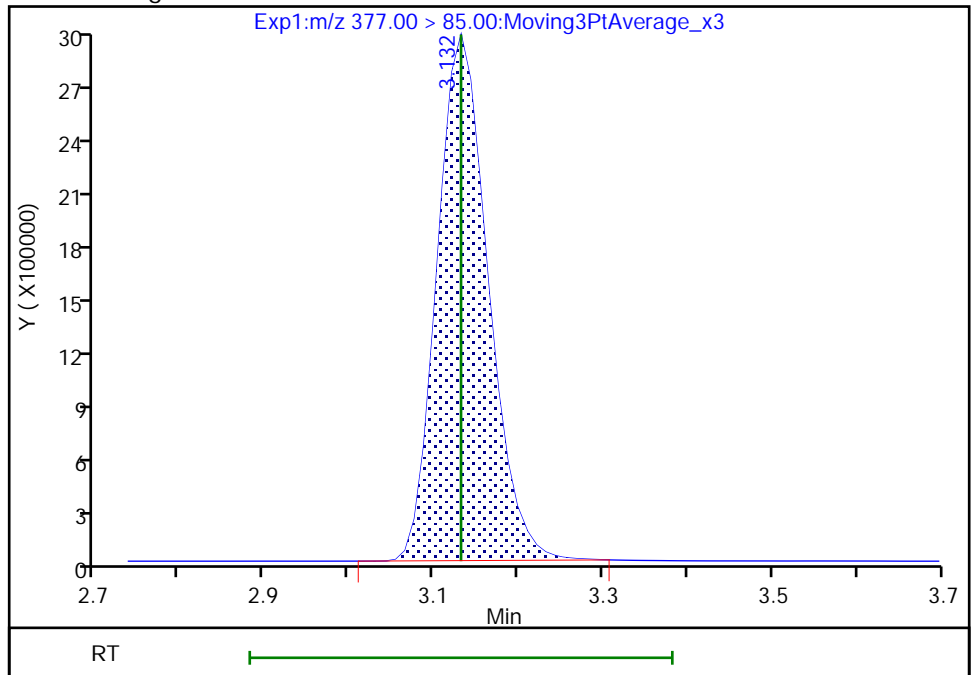
RT: 3.13
Area: 12365652
Amount: 7.677645
Amount Units: ng/ml

Processing Integration Results



RT: 3.13
Area: 12293064
Amount: 7.625648
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:25:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

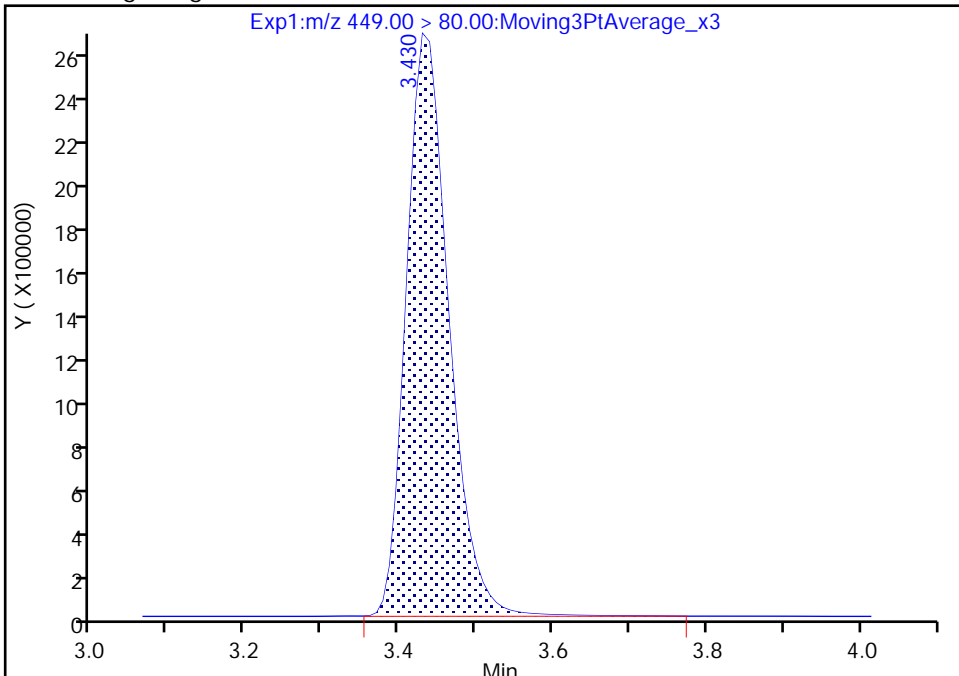
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

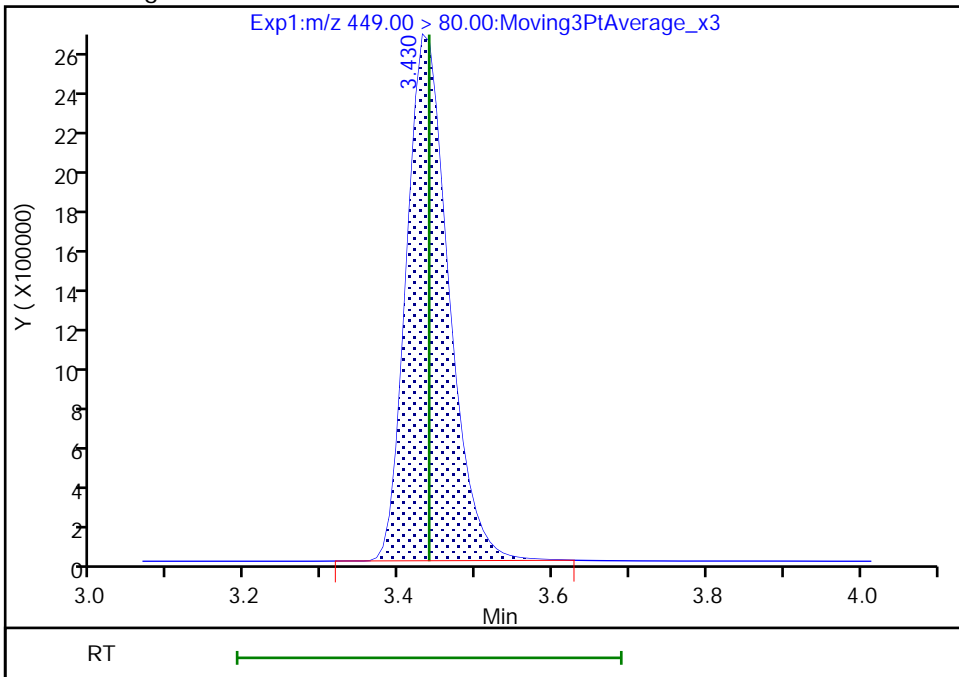
RT: 3.43
Area: 10231634
Amount: 8.801285
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 10171074
Amount: 8.757178
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:25:29
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

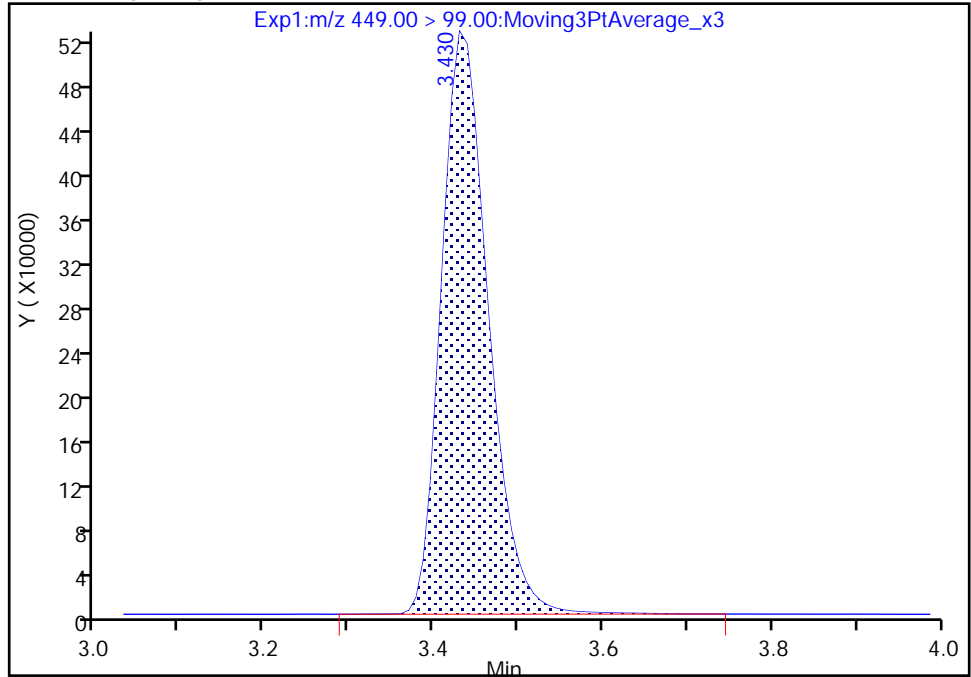
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

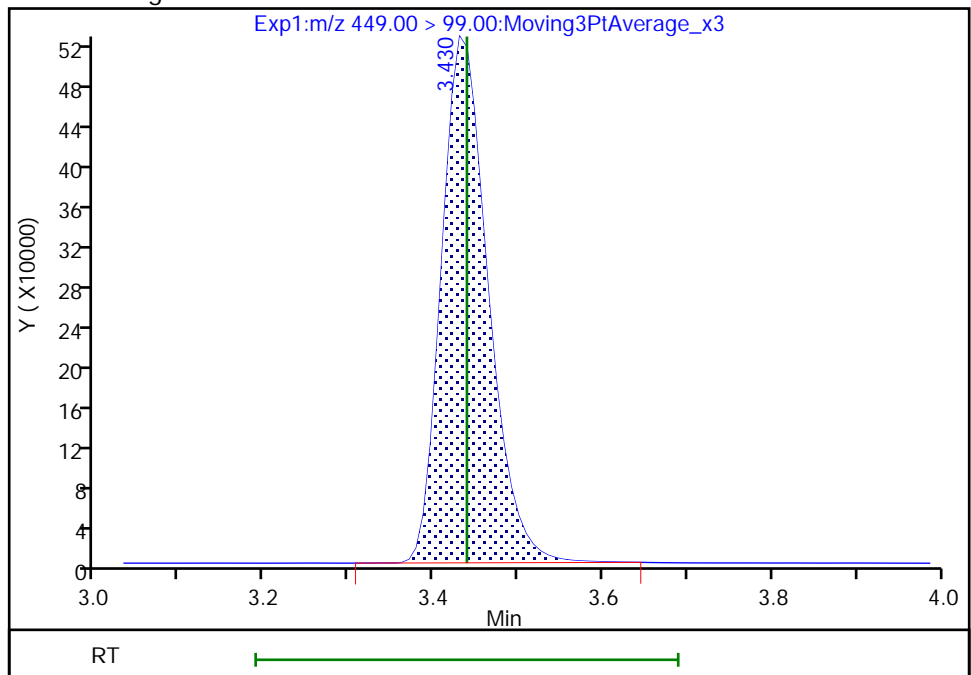
RT: 3.43
Area: 1997290
Amount: 8.801285
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 1989808
Amount: 8.757178
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:25:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

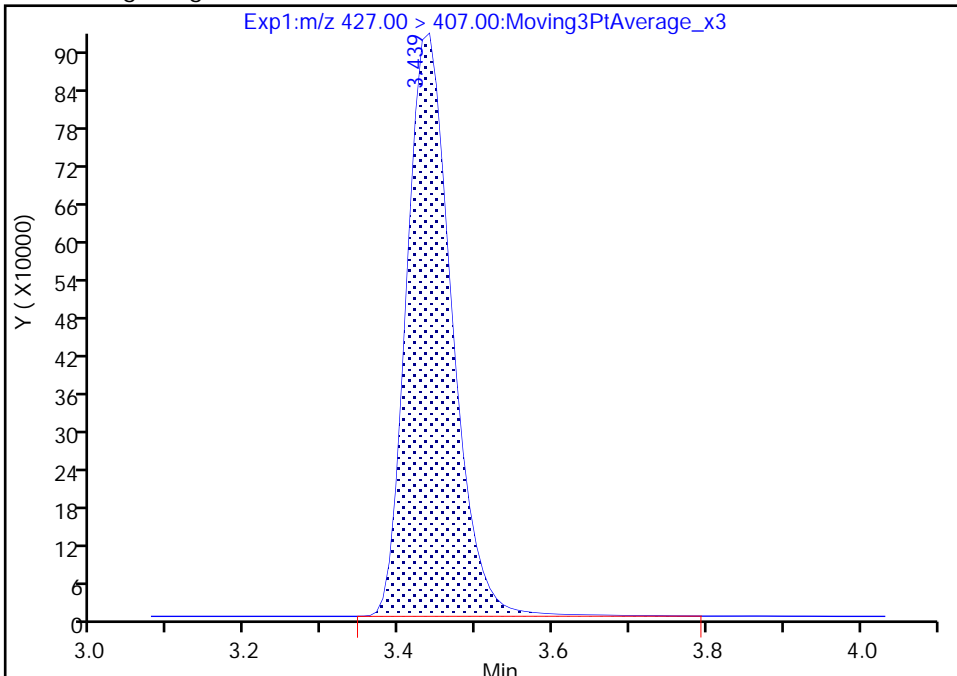
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

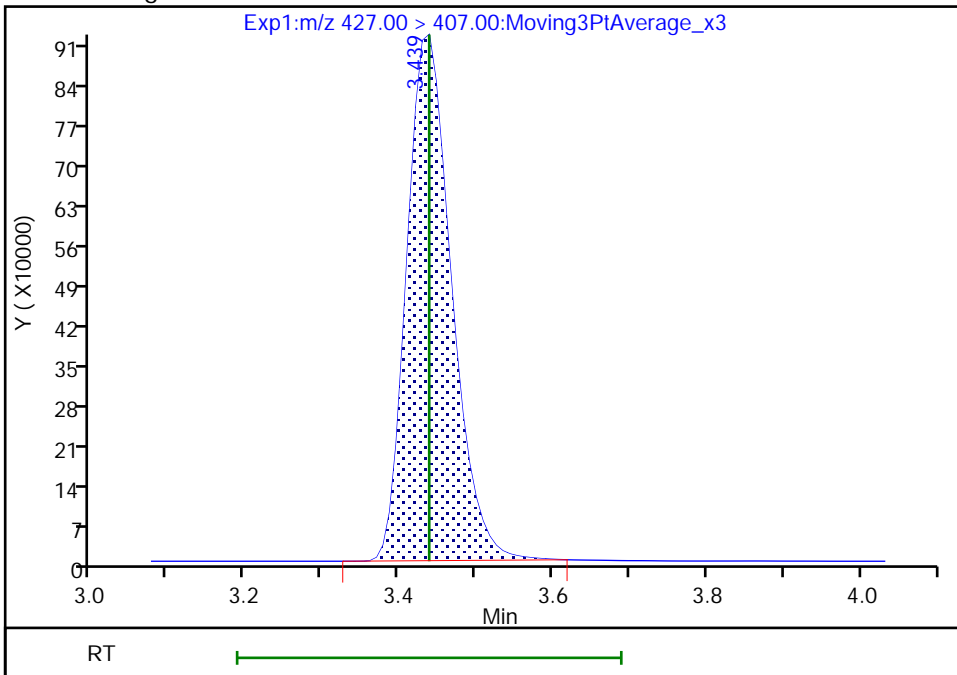
RT: 3.44
Area: 3774301
Amount: 8.926391
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 3743844
Amount: 9.473646
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:25:25
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

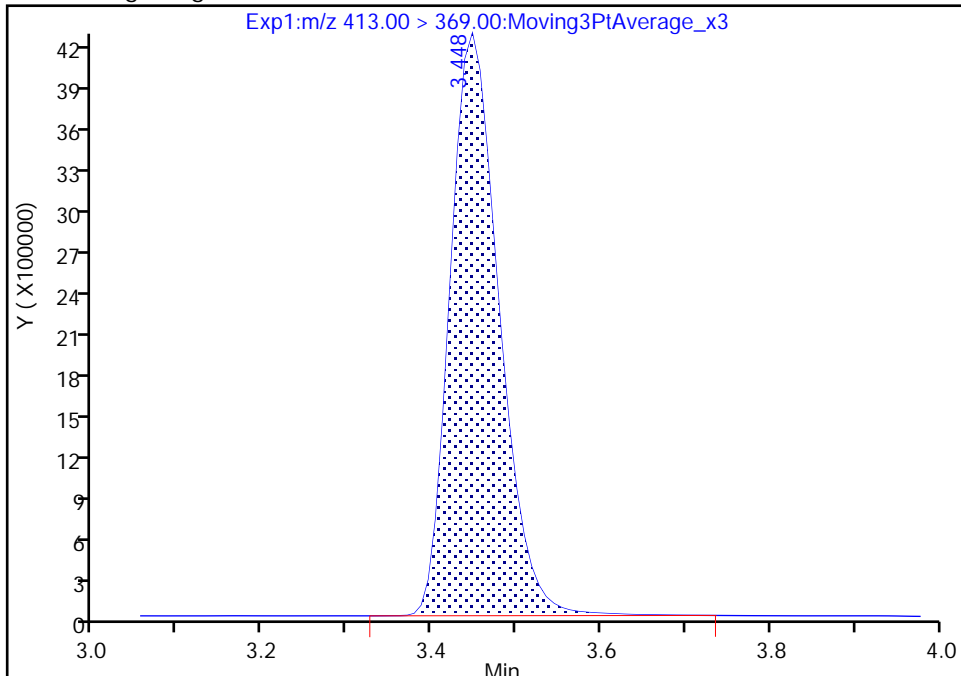
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

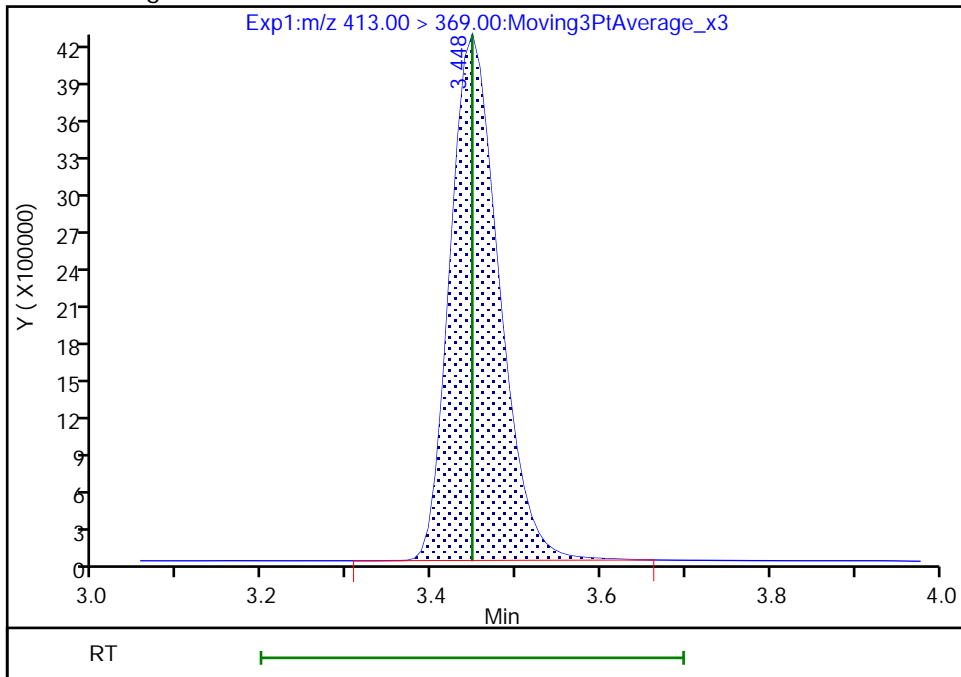
RT: 3.45
Area: 17030570
Amount: 9.031728
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 16977289
Amount: 9.007714
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:25:52
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

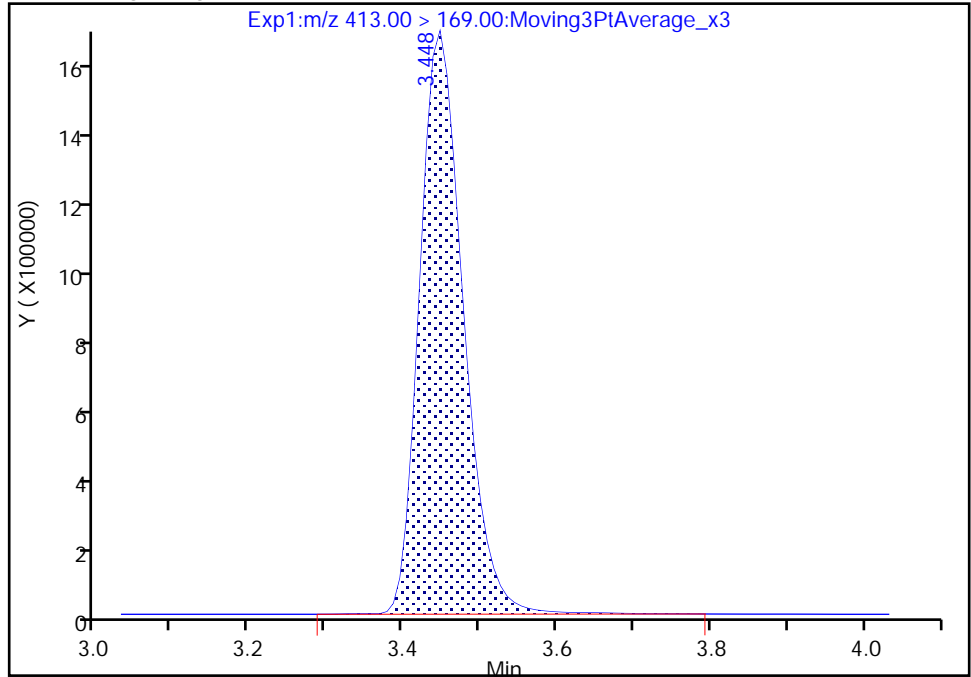
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

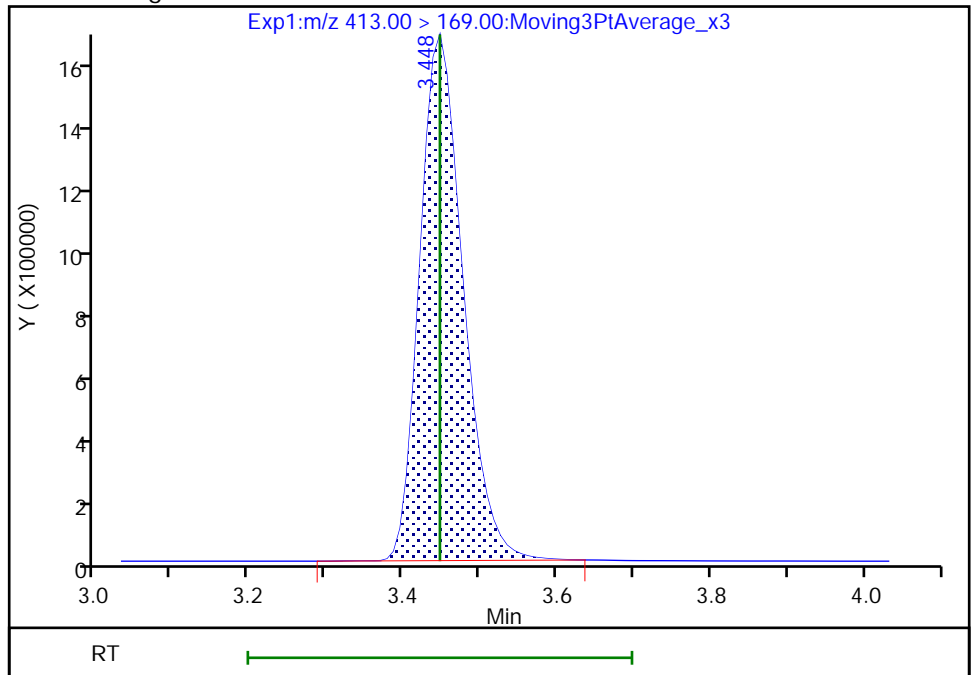
RT: 3.45
Area: 6304212
Amount: 9.031728
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 6260421
Amount: 9.007714
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:25:56

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

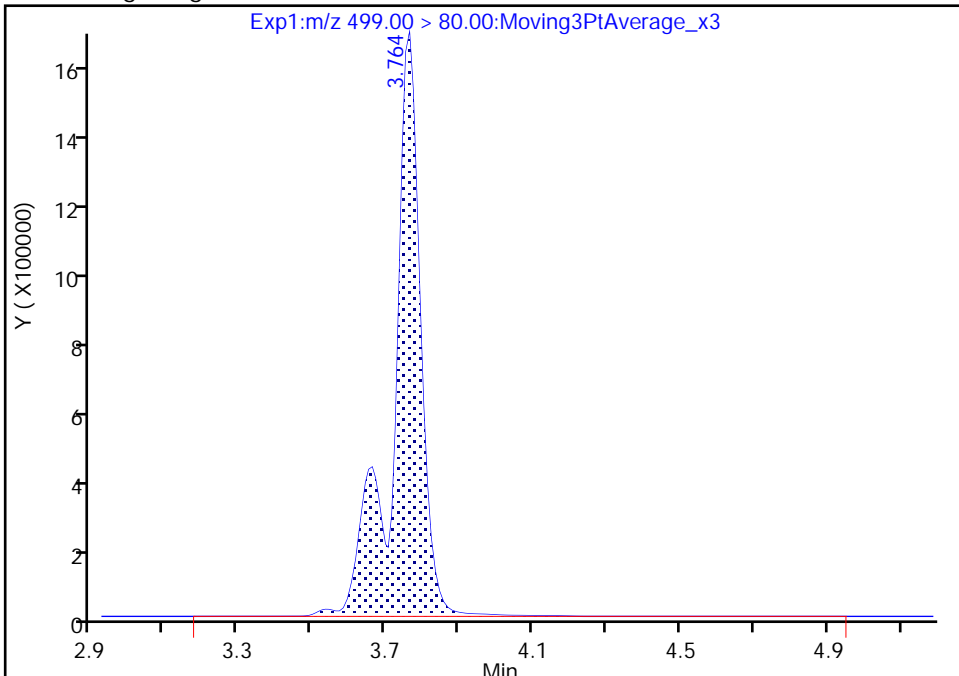
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

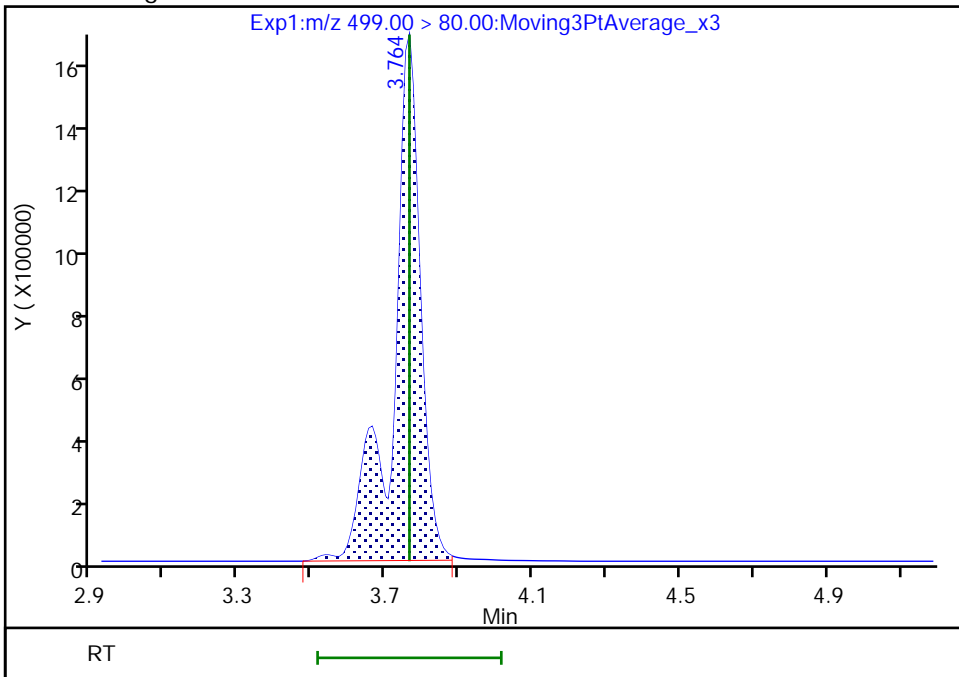
RT: 3.76
Area: 8658897
Amount: 8.543354
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 8534676
Amount: 8.439368
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:26:17
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

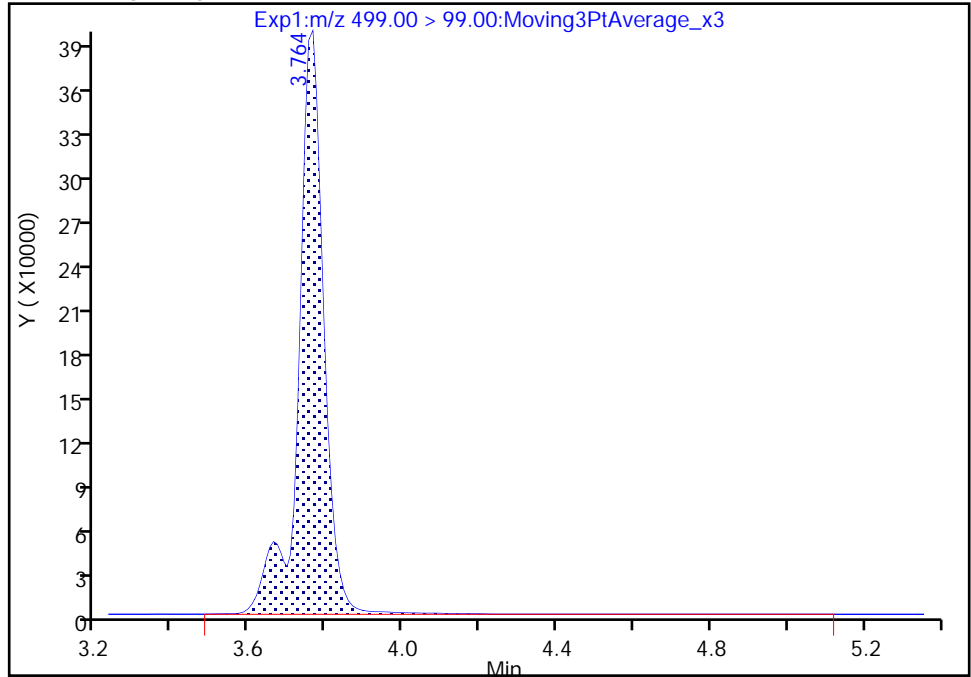
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

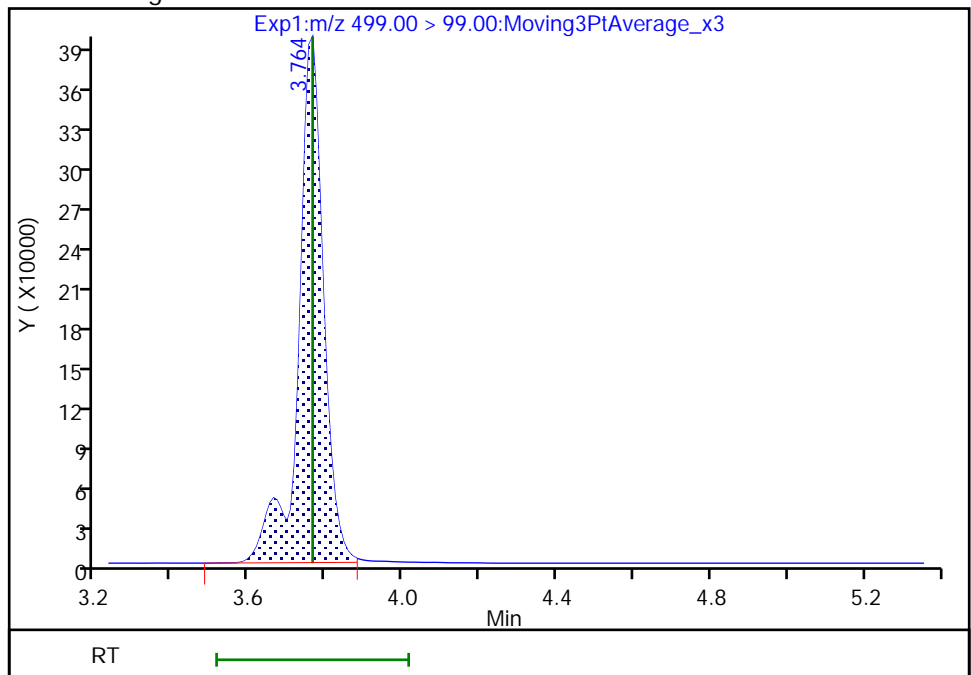
RT: 3.76
Area: 1795864
Amount: 8.543354
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 1770034
Amount: 8.439368
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:26:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

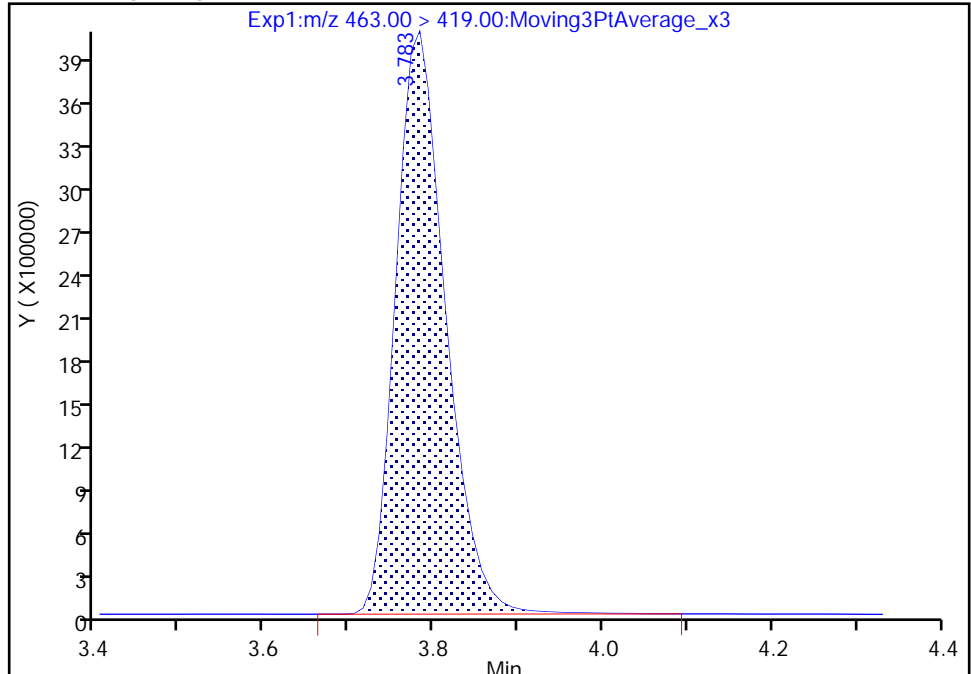
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

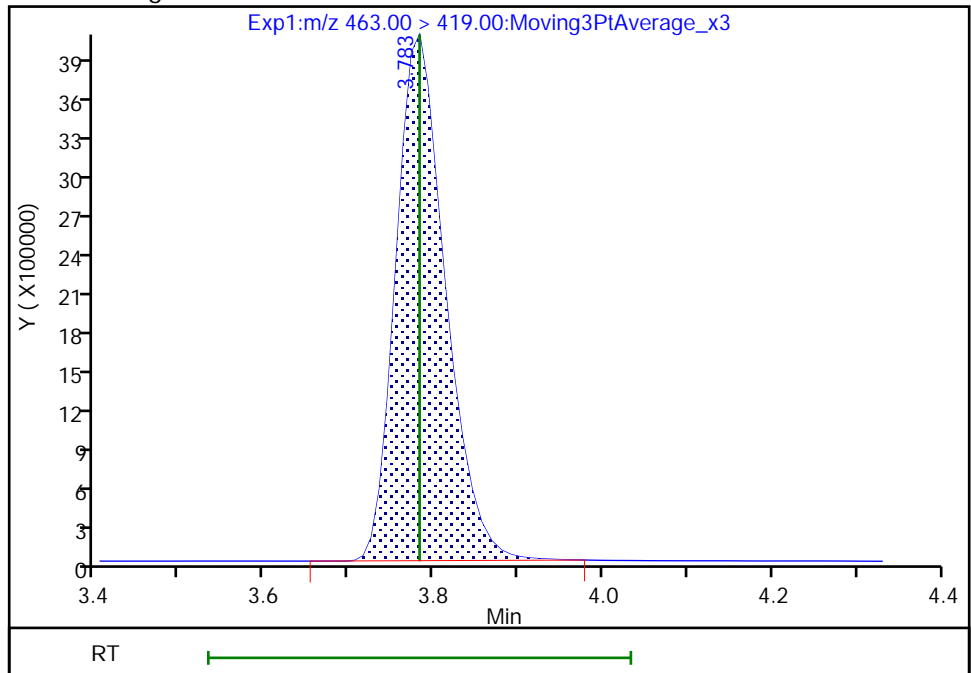
RT: 3.78
Area: 16420625
Amount: 9.401886
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 16342622
Amount: 9.364194
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:26:29
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

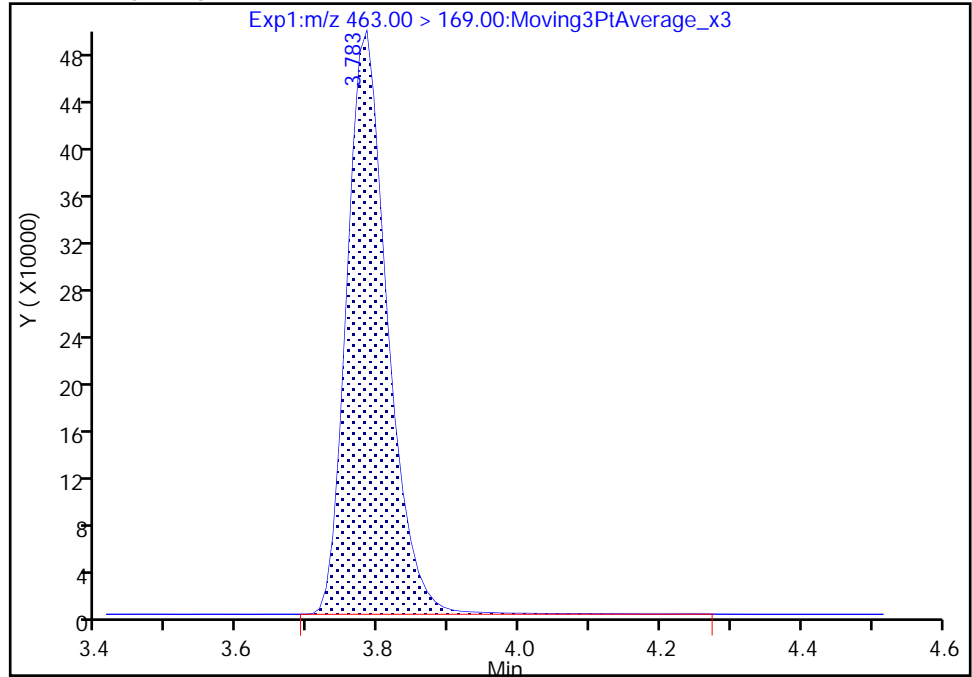
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluoronanoic acid, CAS: 375-95-1

Signal: 2

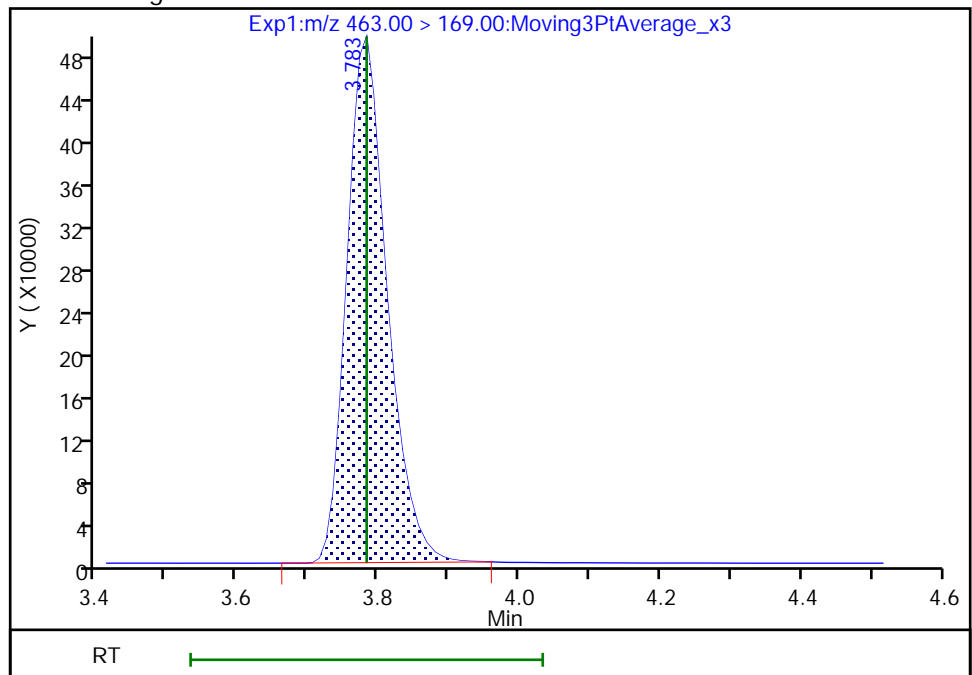
RT: 3.78
Area: 1954132
Amount: 9.401886
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 1938179
Amount: 9.364194
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:26:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

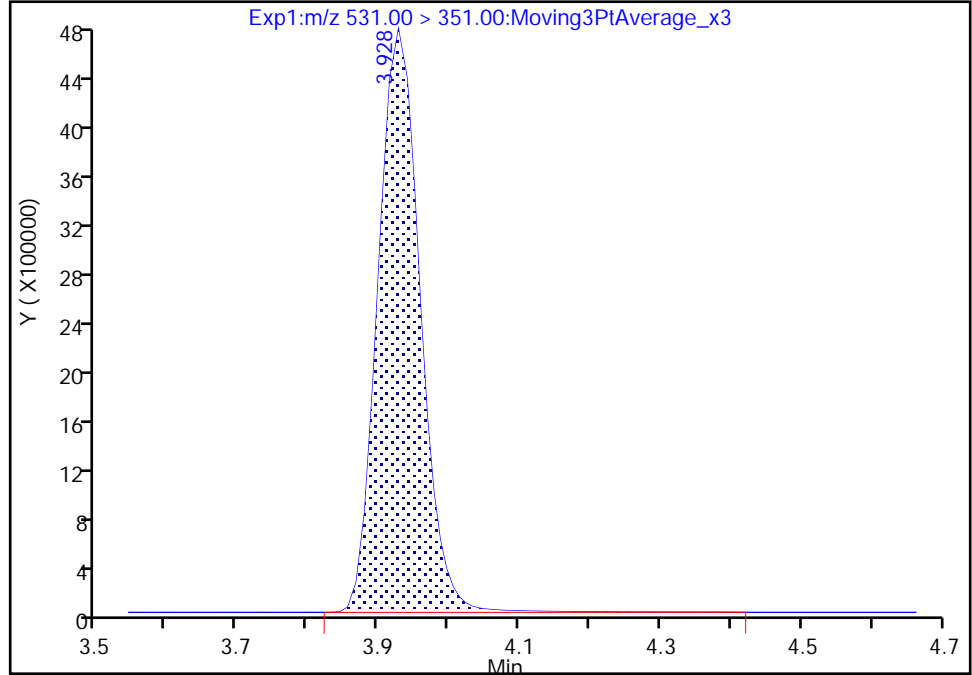
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

69 9-Chlorohexadecafluoro-3-oxanona, CAS: 756426-58-1

Signal: 1

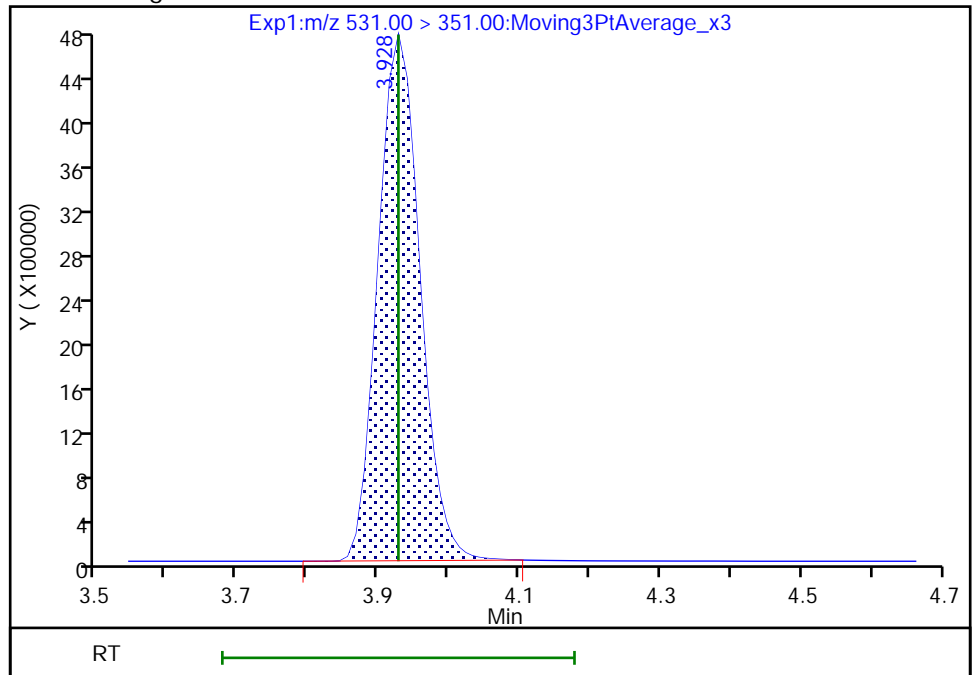
RT: 3.93
Area: 19643577
Amount: 8.453015
Amount Units: ng/ml

Processing Integration Results



RT: 3.93
Area: 19485090
Amount: 8.395054
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:26:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

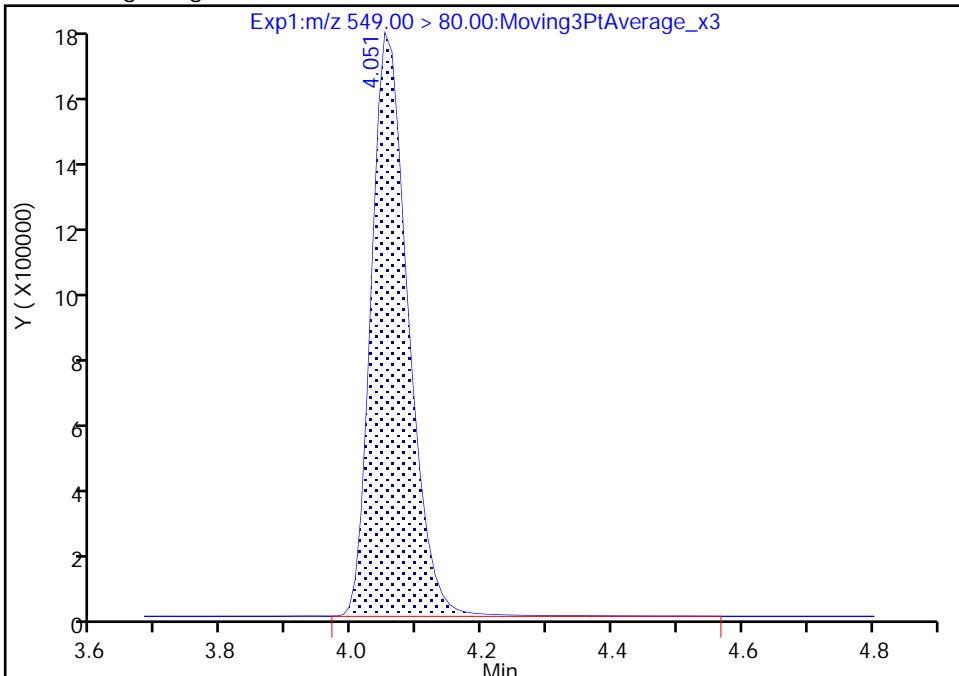
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 1

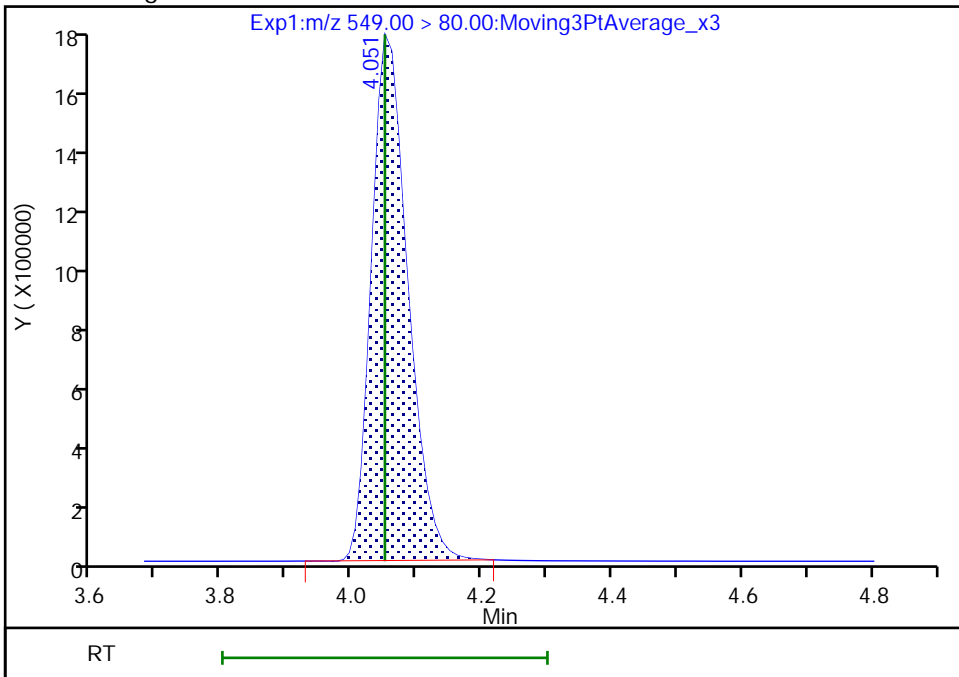
RT: 4.05
Area: 6901061
Amount: 9.026930
Amount Units: ng/ml

Processing Integration Results



RT: 4.05
Area: 6831873
Amount: 8.950492
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:26:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

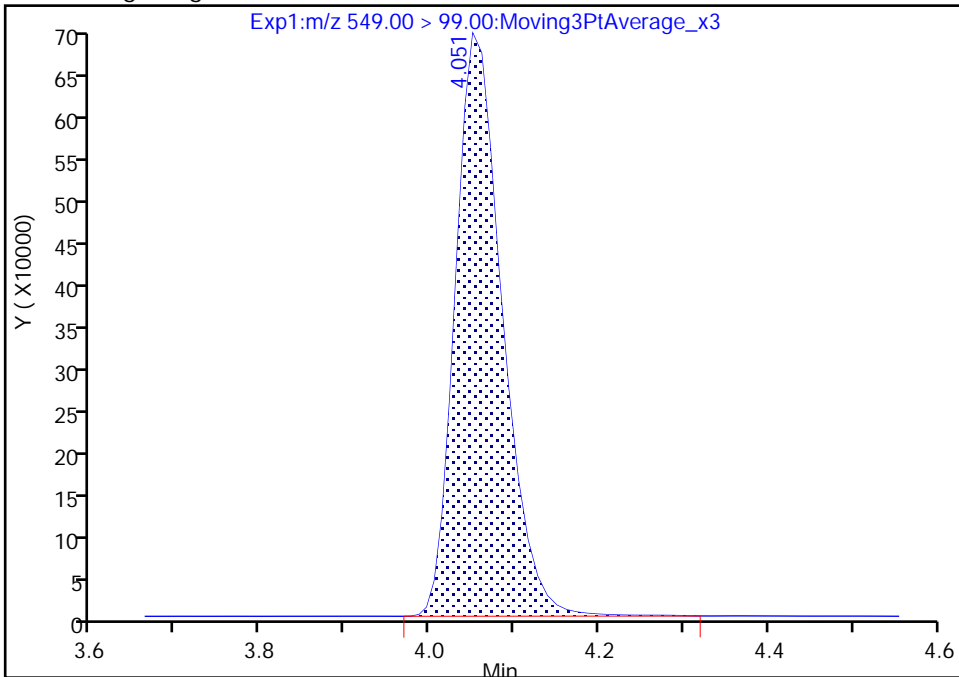
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 2

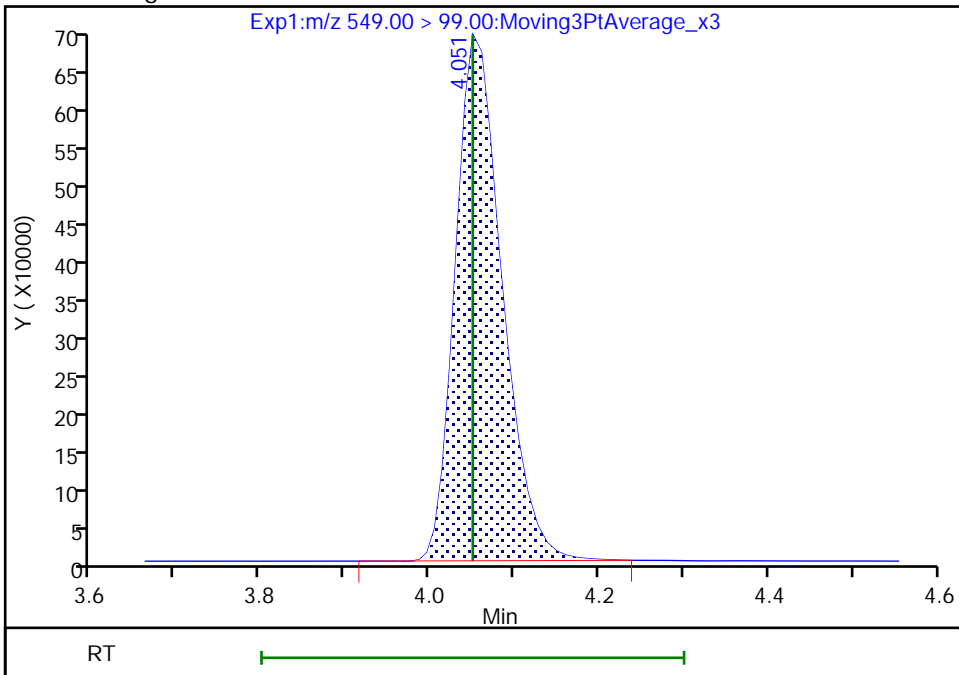
RT: 4.05
Area: 2665260
Amount: 9.026930
Amount Units: ng/ml

Processing Integration Results



RT: 4.05
Area: 2652769
Amount: 8.950492
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:26:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

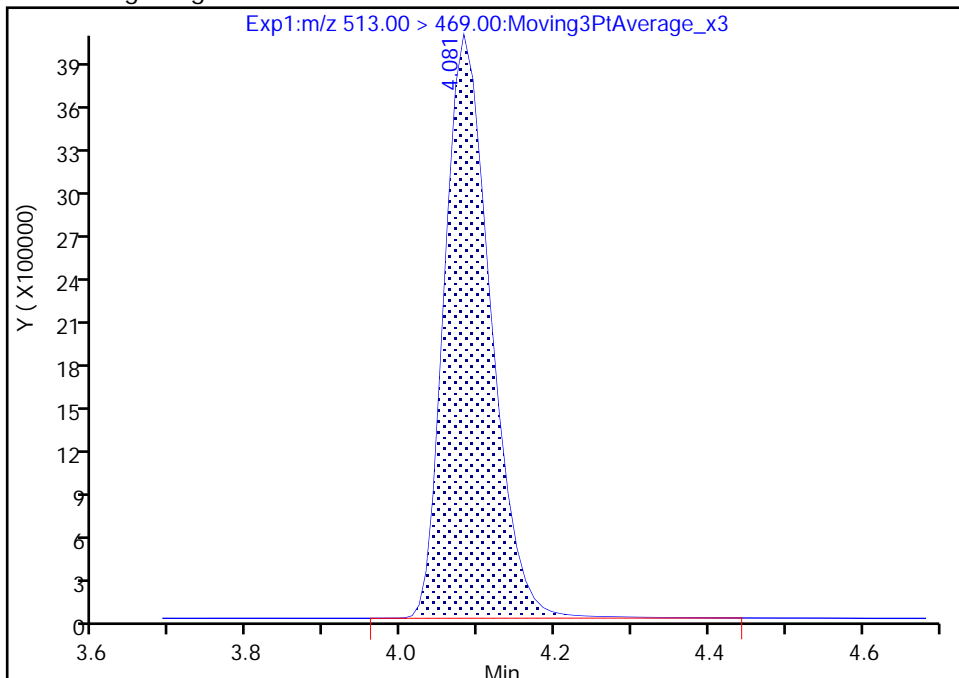
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

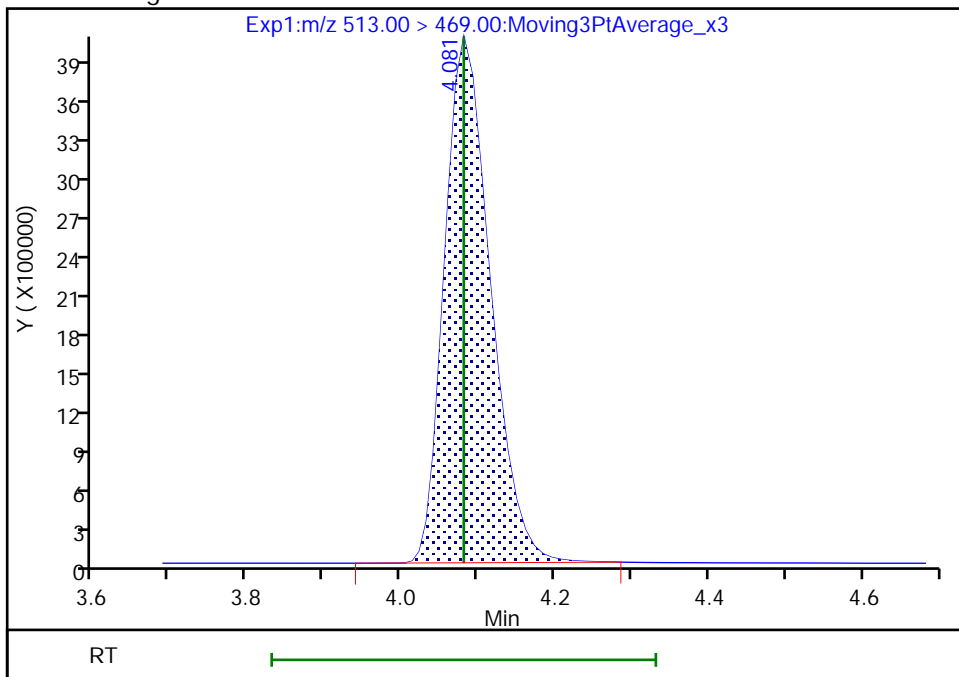
RT: 4.08
Area: 16777487
Amount: 8.666535
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 16688874
Amount: 8.627343
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:27:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

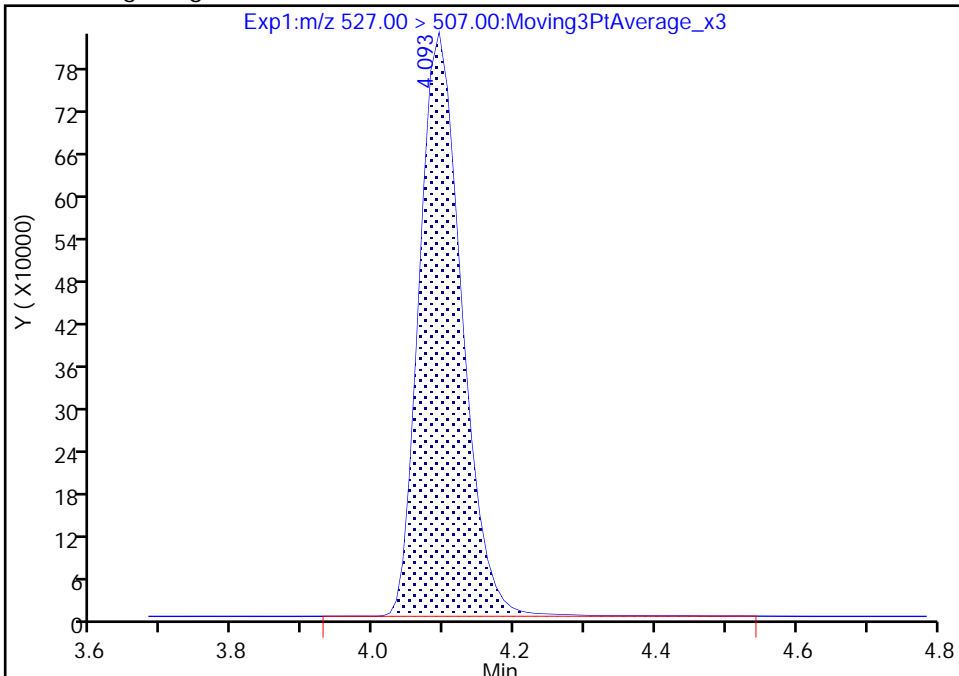
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

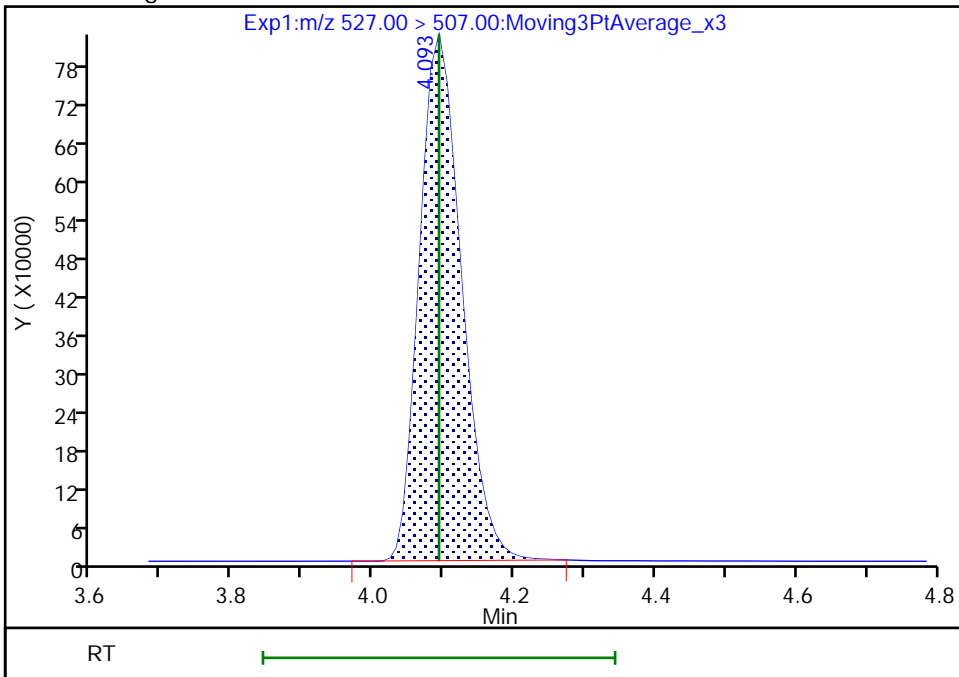
RT: 4.09
Area: 3456510
Amount: 9.221521
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 3431863
Amount: 9.166252
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:27:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

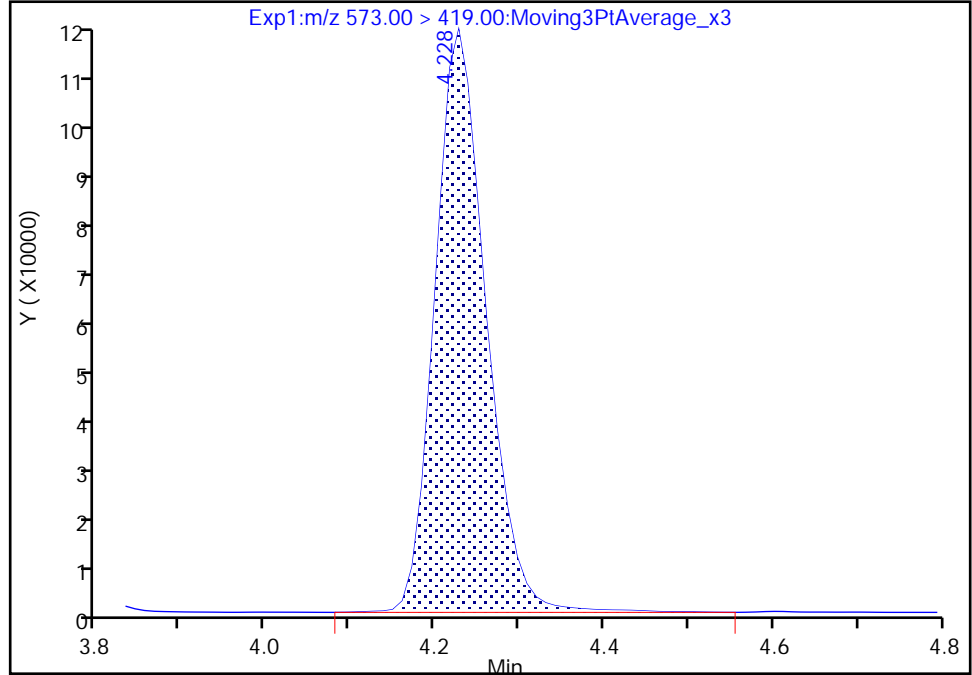
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118
Signal: 1

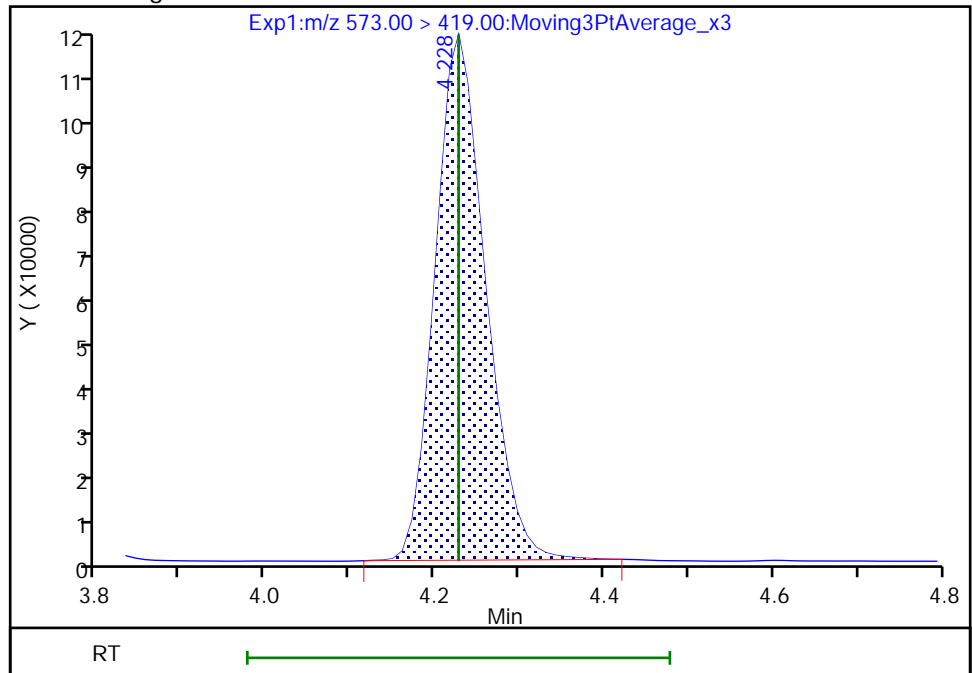
RT: 4.23
Area: 484787
Amount: 1.385223
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 478582
Amount: 1.370733
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:27:20
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

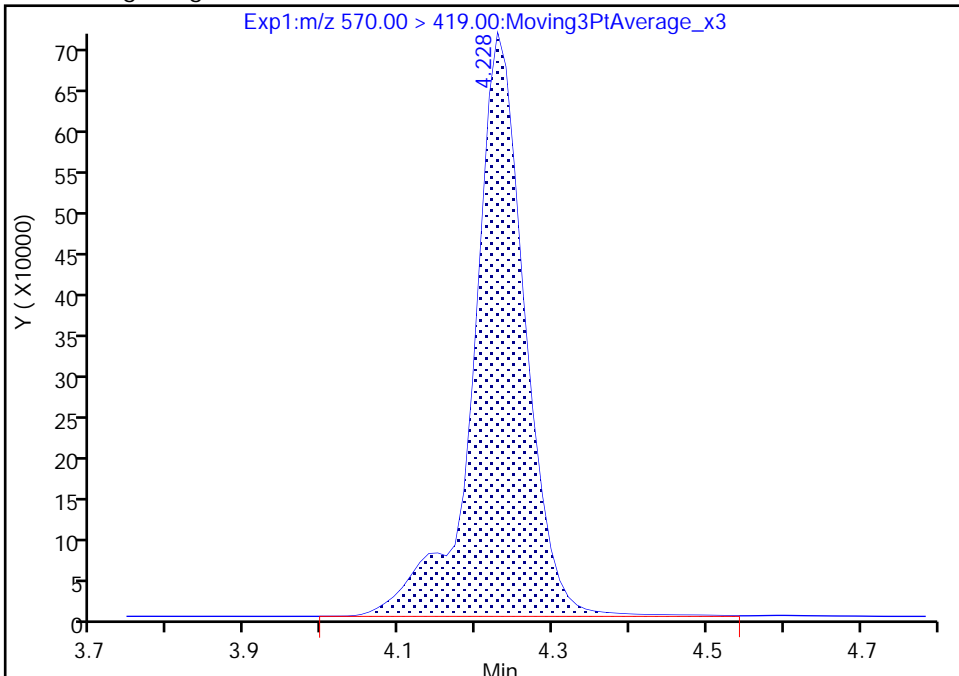
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

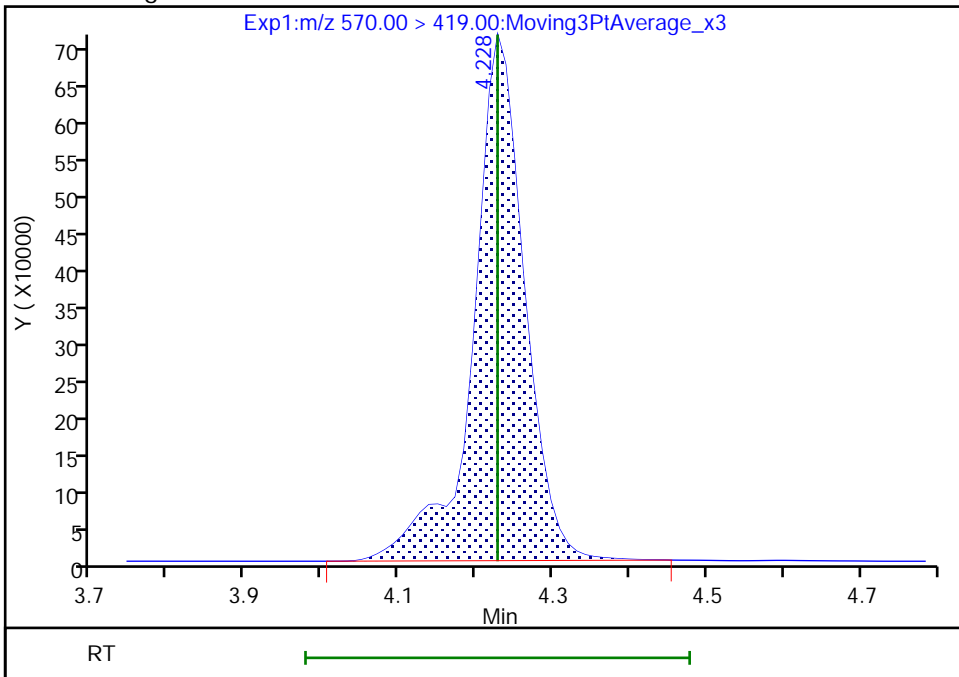
RT: 4.23
Area: 3324827
Amount: 9.466992
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 3297027
Amount: 9.998842
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:27:23
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

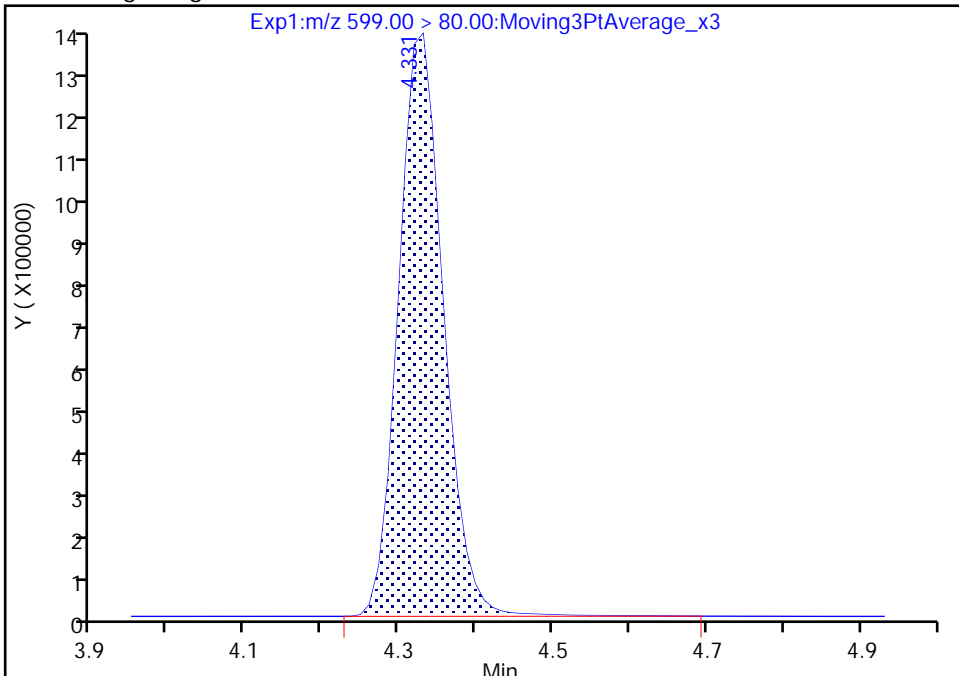
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

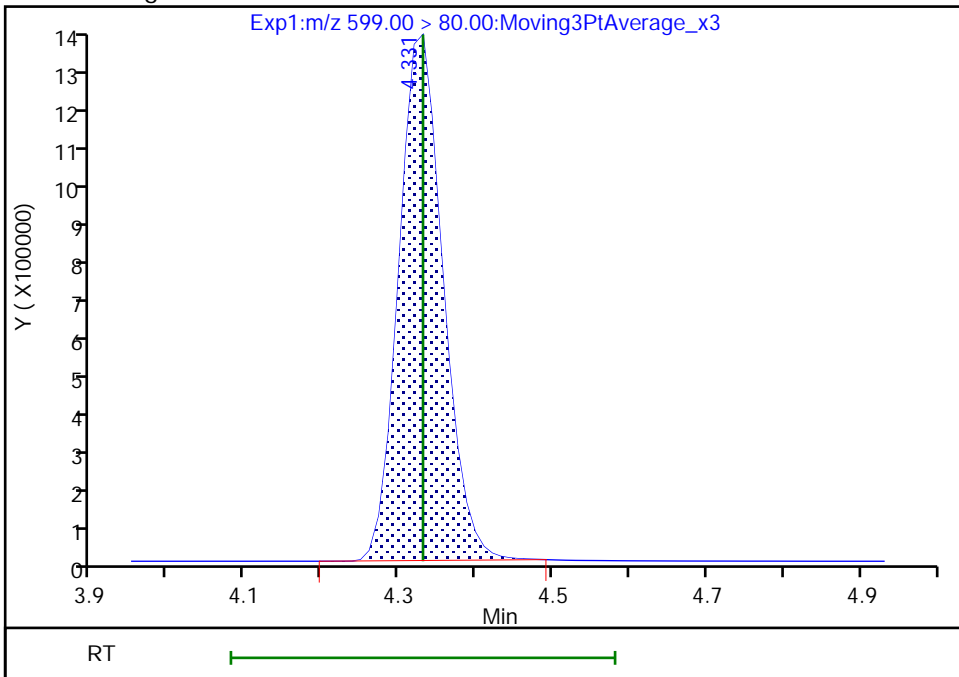
RT: 4.33
Area: 5598329
Amount: 9.275714
Amount Units: ng/ml

Processing Integration Results



RT: 4.33
Area: 5548668
Amount: 9.206529
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:27:30
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

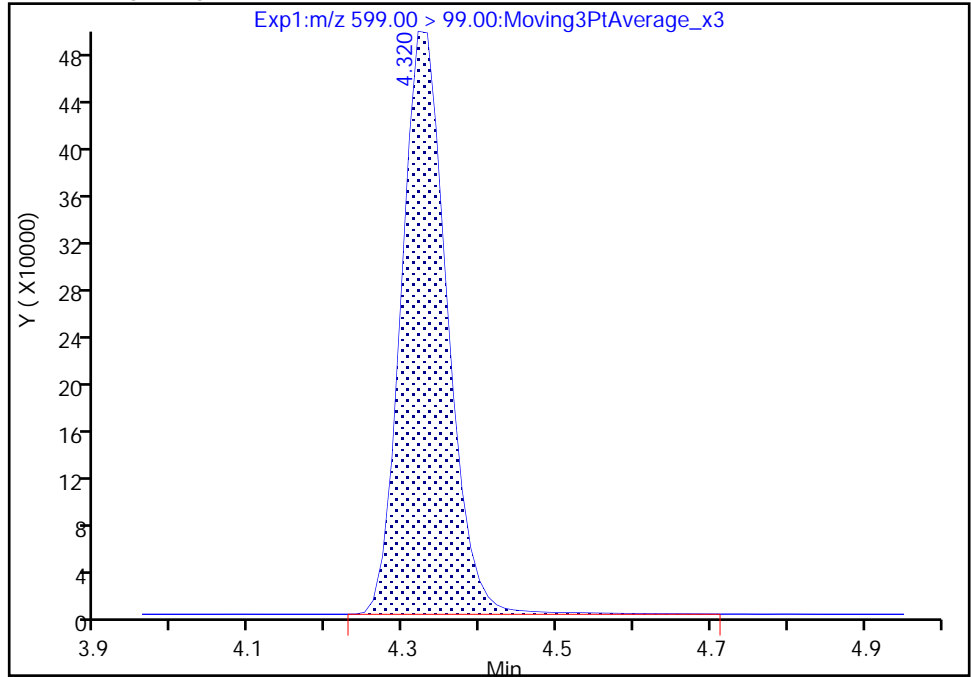
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

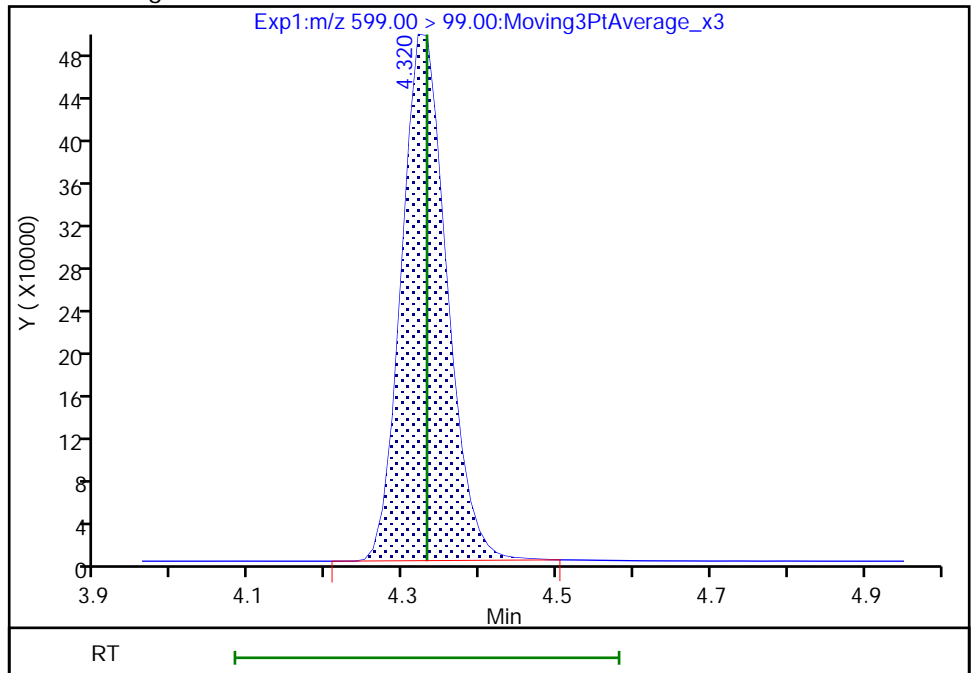
RT: 4.32
Area: 2054689
Amount: 9.275714
Amount Units: ng/ml

Processing Integration Results



RT: 4.32
Area: 2036543
Amount: 9.206529
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:27:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

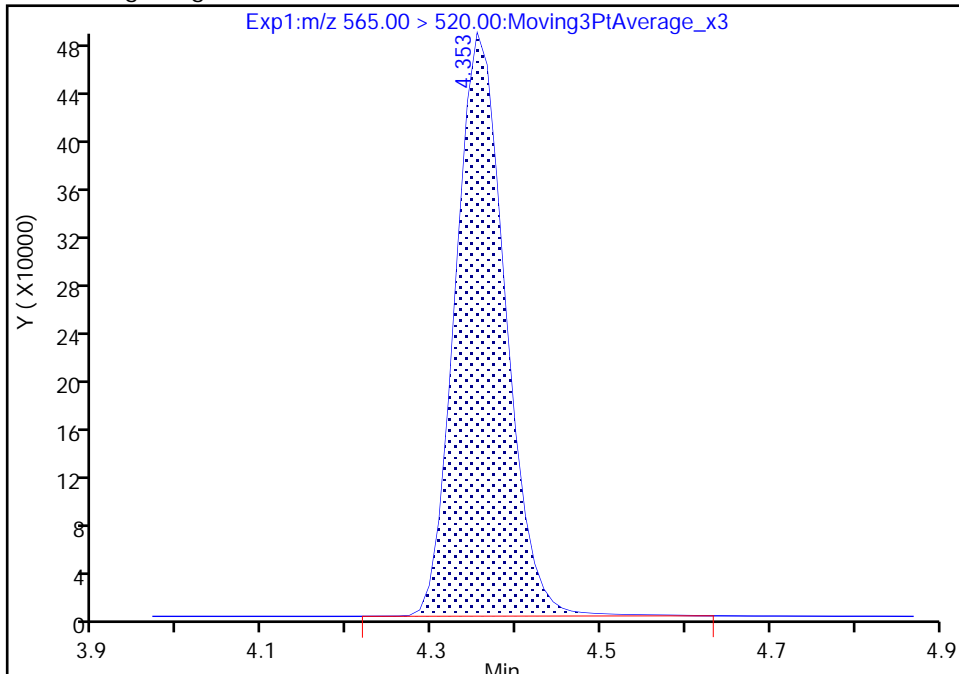
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

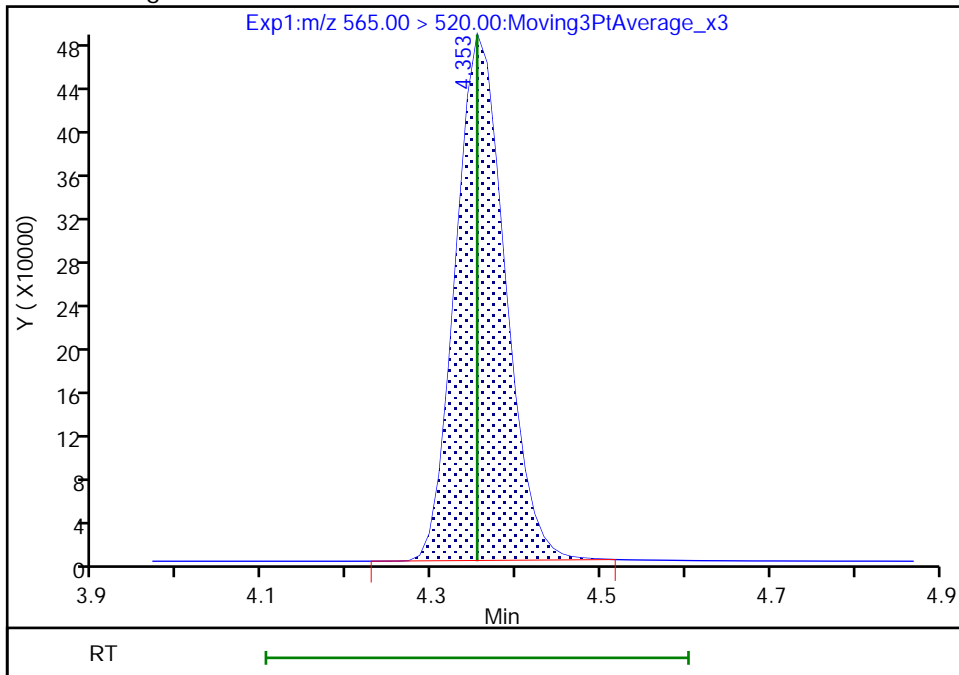
RT: 4.35
Area: 1981457
Amount: 1.260398
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 1967361
Amount: 1.252929
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:27:39
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

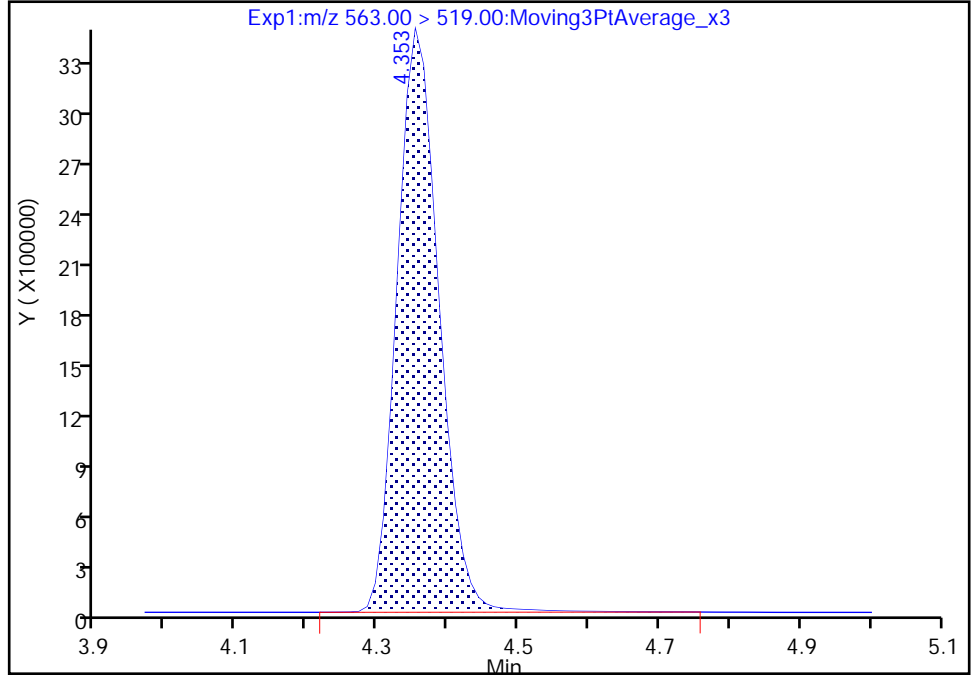
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

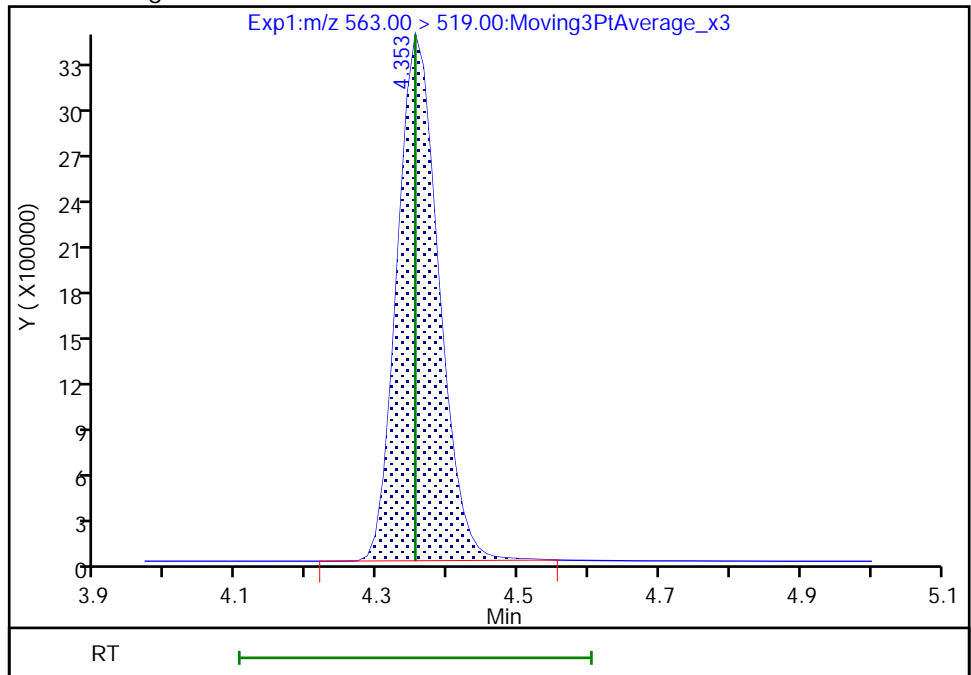
RT: 4.35
Area: 14261306
Amount: 8.982281
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 14168517
Amount: 8.932539
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:27:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

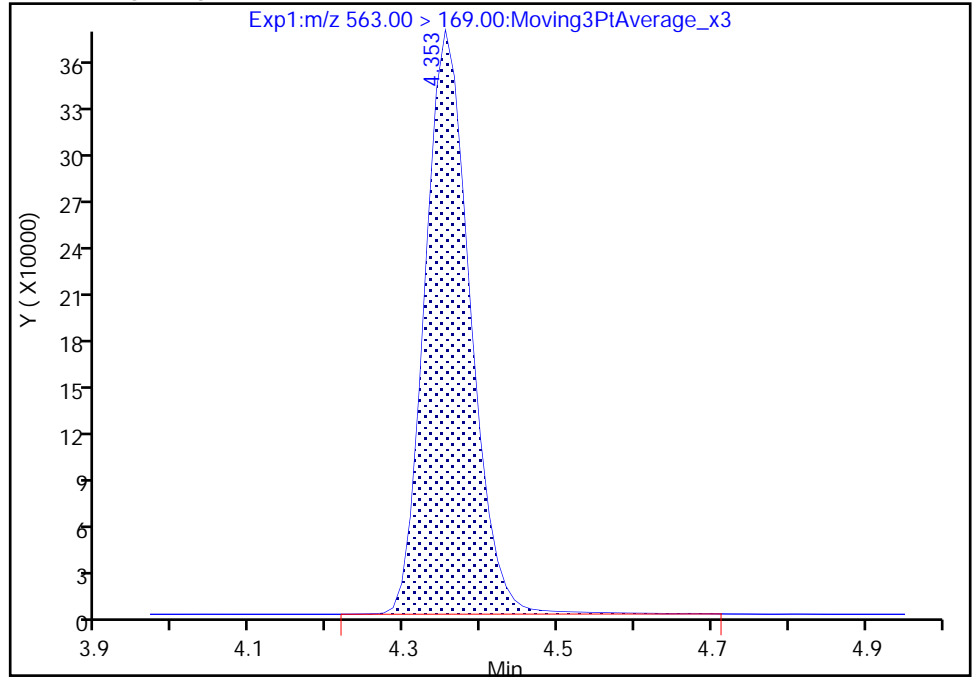
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

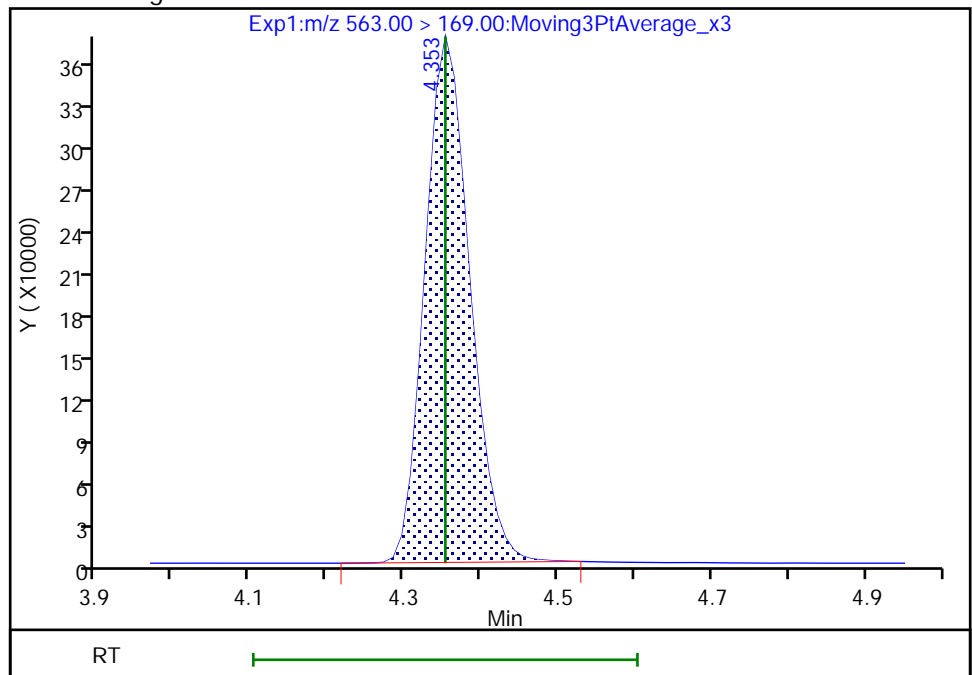
RT: 4.35
Area: 1516832
Amount: 8.982281
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 1502685
Amount: 8.932539
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:27:46

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

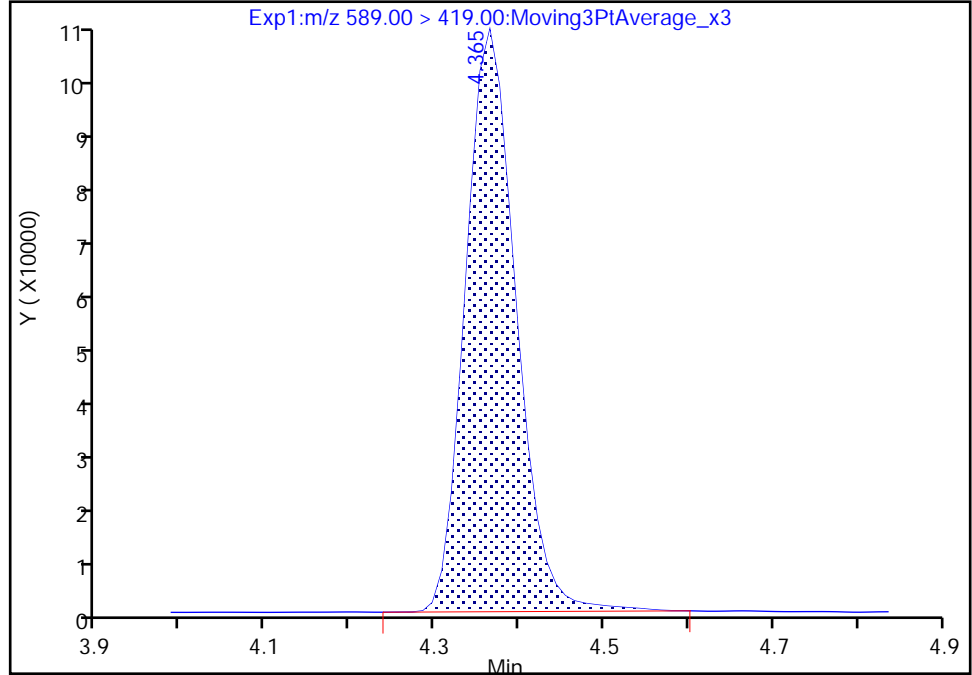
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 32 d5-NEtFOSAA, CAS: STL02117
Signal: 1

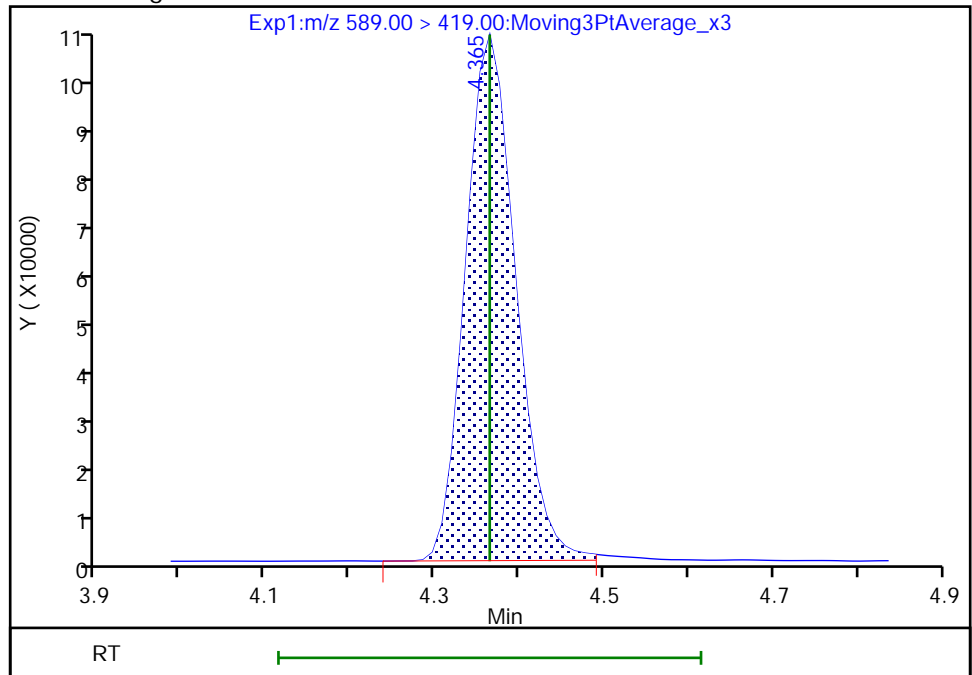
RT: 4.36
Area: 447944
Amount: 1.301468
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 444955
Amount: 1.294283
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:28:01
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

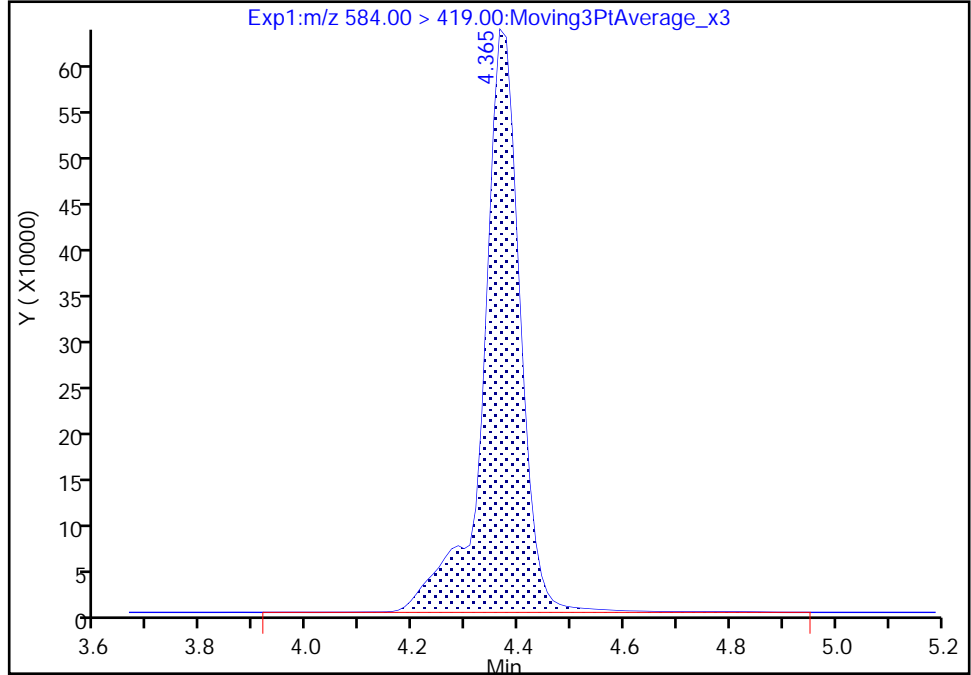
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

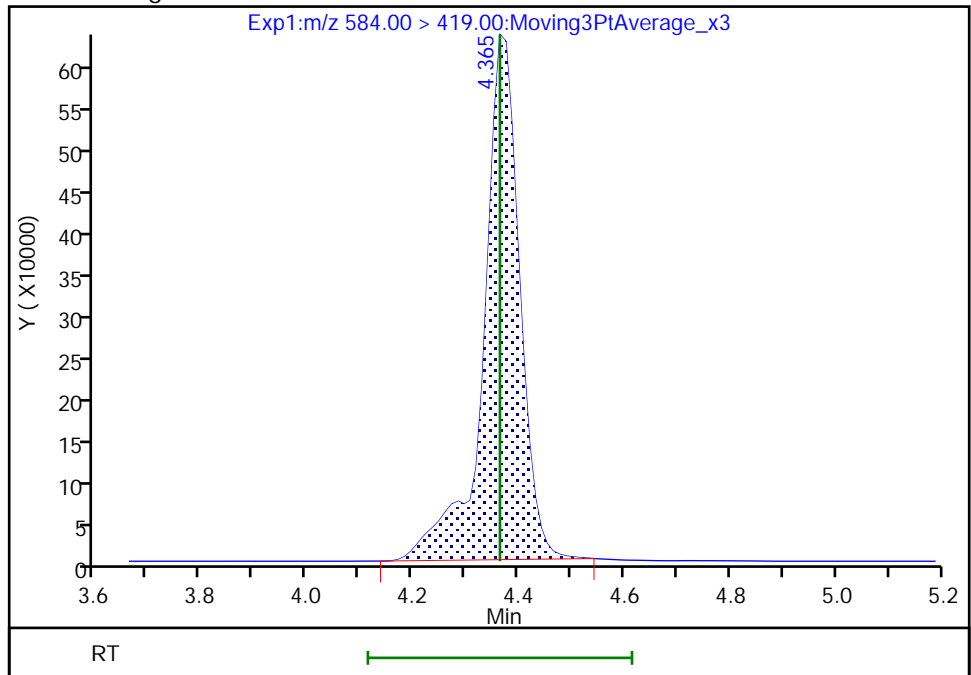
RT: 4.36
Area: 3053897
Amount: 9.498844
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 2992748
Amount: 9.391160
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:27:51
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

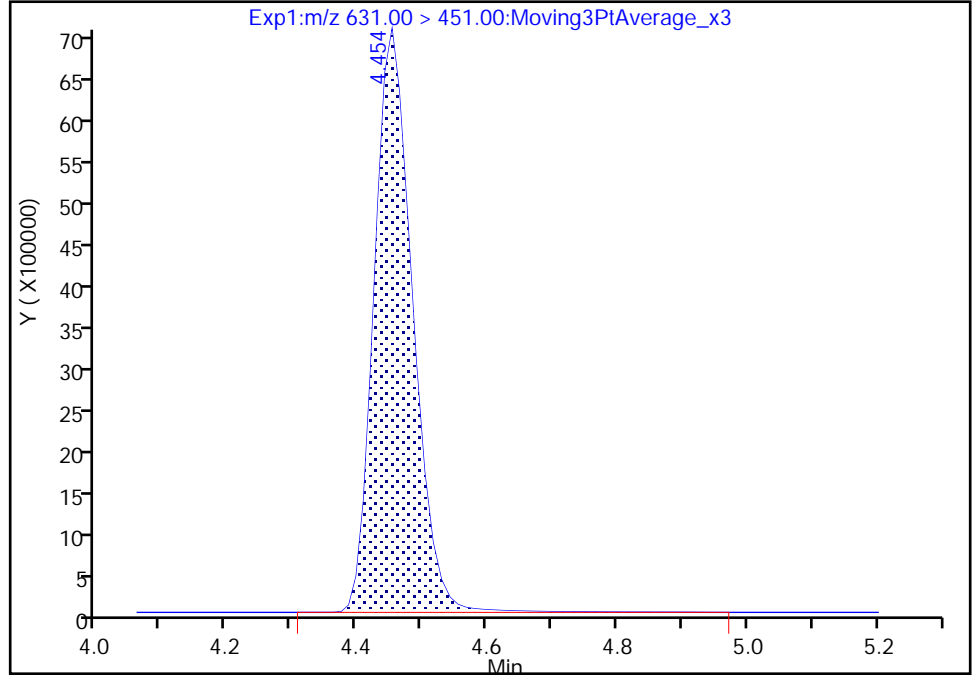
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

66 11-Chloroeicosafuoro-3-oxaundec, CAS: 763051-92-9

Signal: 1

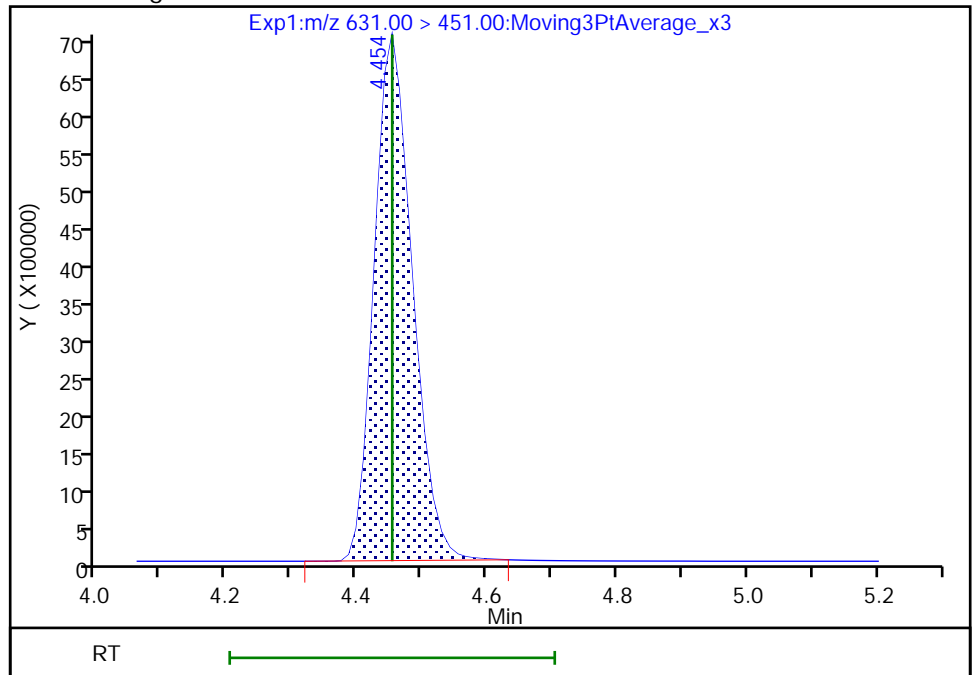
RT: 4.45
Area: 28876632
Amount: 8.059383
Amount Units: ng/ml

Processing Integration Results



RT: 4.45
Area: 28587798
Amount: 7.990166
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:28:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

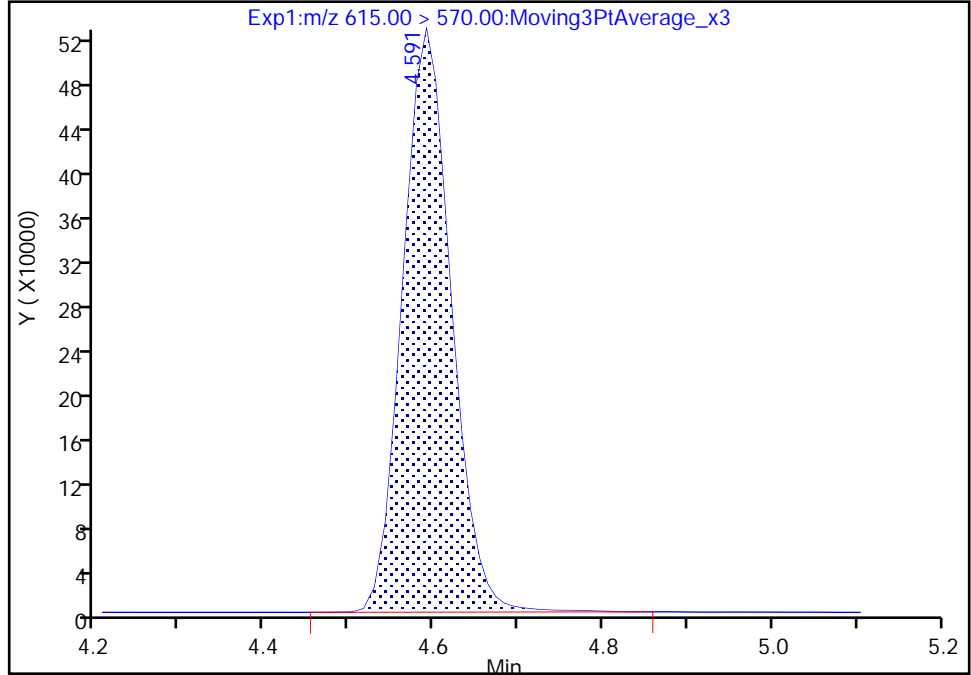
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 36 13C2 PFD_oA, CAS: STL00998
Signal: 1

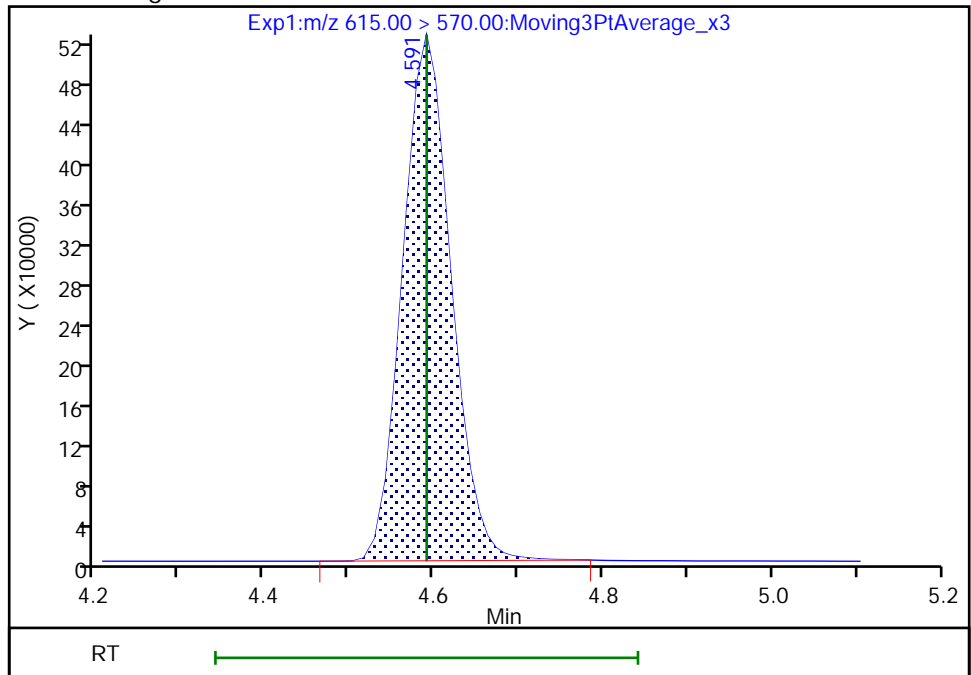
RT: 4.59
Area: 2112236
Amount: 1.319398
Amount Units: ng/ml

Processing Integration Results



RT: 4.59
Area: 2103698
Amount: 1.315000
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:28:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

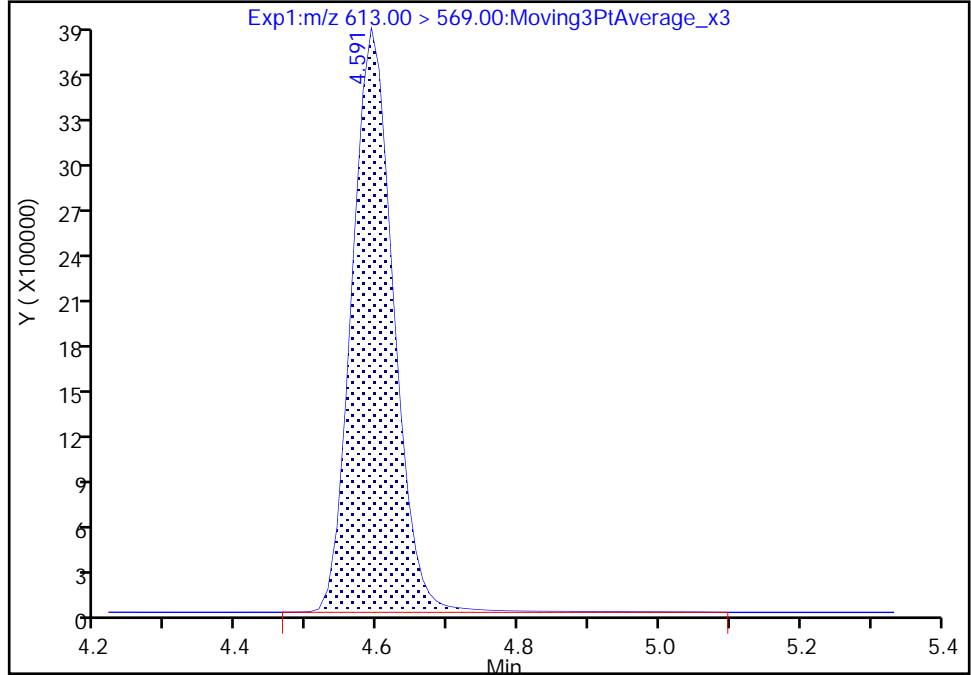
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

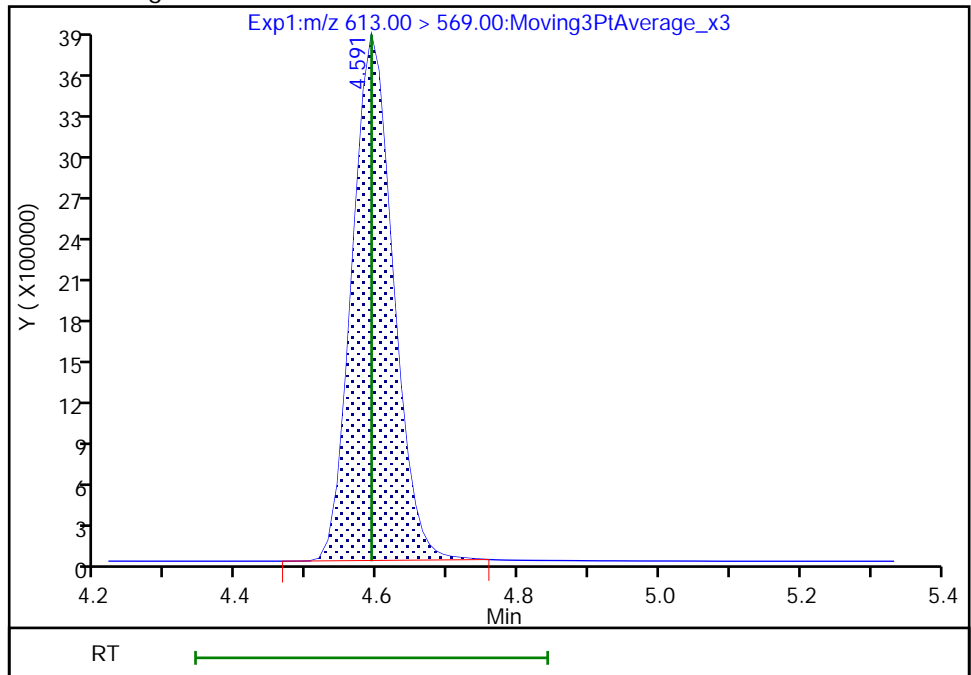
RT: 4.59
Area: 15795102
Amount: 8.813020
Amount Units: ng/ml

Processing Integration Results



RT: 4.59
Area: 15612916
Amount: 8.756399
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:28:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

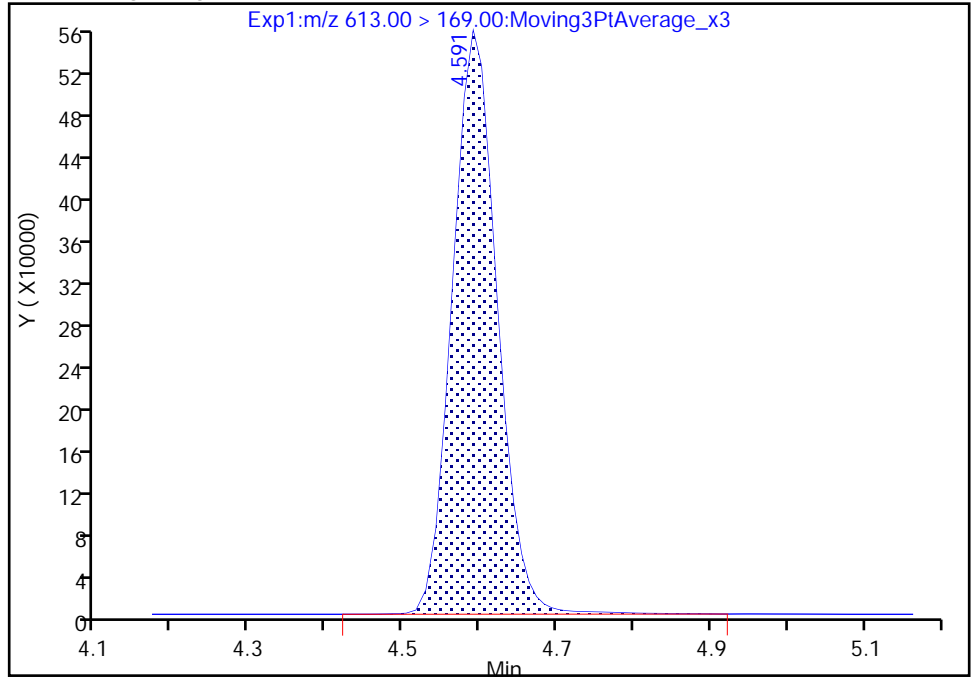
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

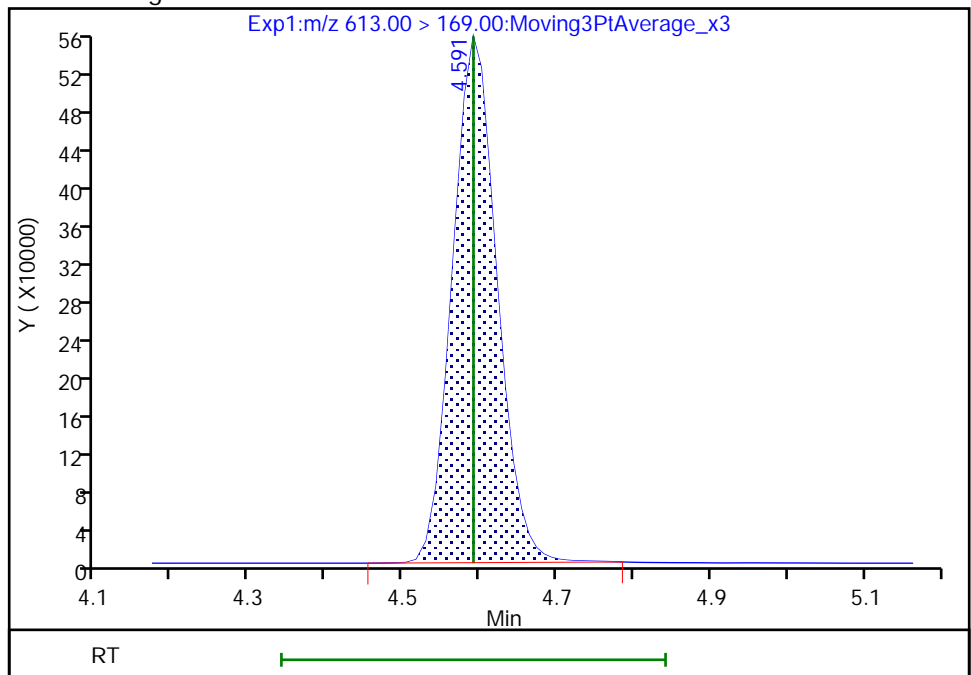
RT: 4.59
Area: 2239668
Amount: 8.813020
Amount Units: ng/ml

Processing Integration Results



RT: 4.59
Area: 2225311
Amount: 8.756399
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:28:14

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

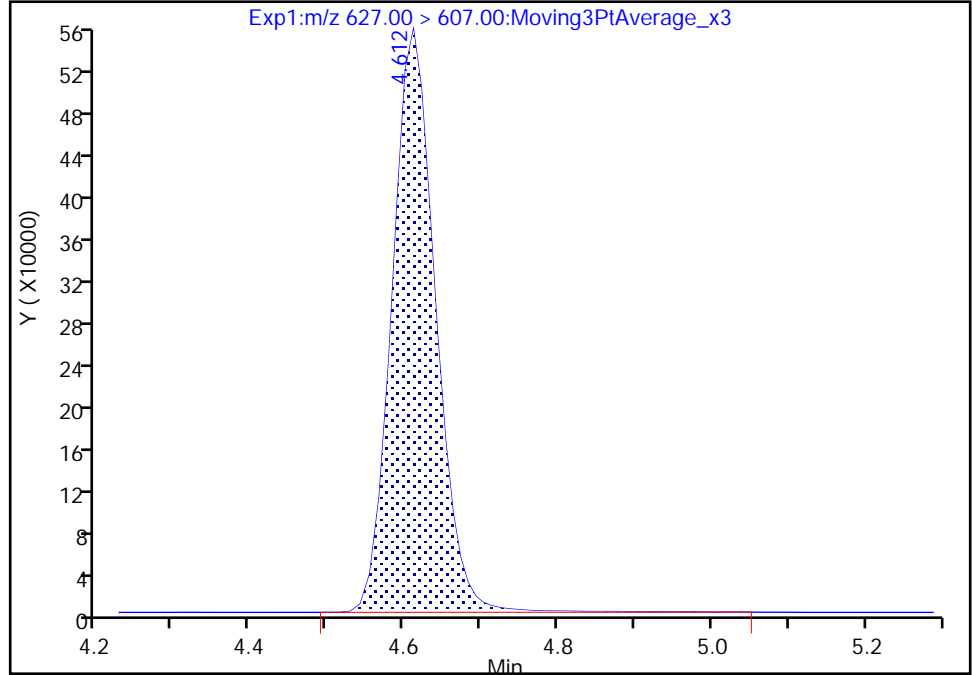
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

74 1H,1H,2H,2H-perfluorododecanesul, CAS: 120226-60-0

Signal: 1

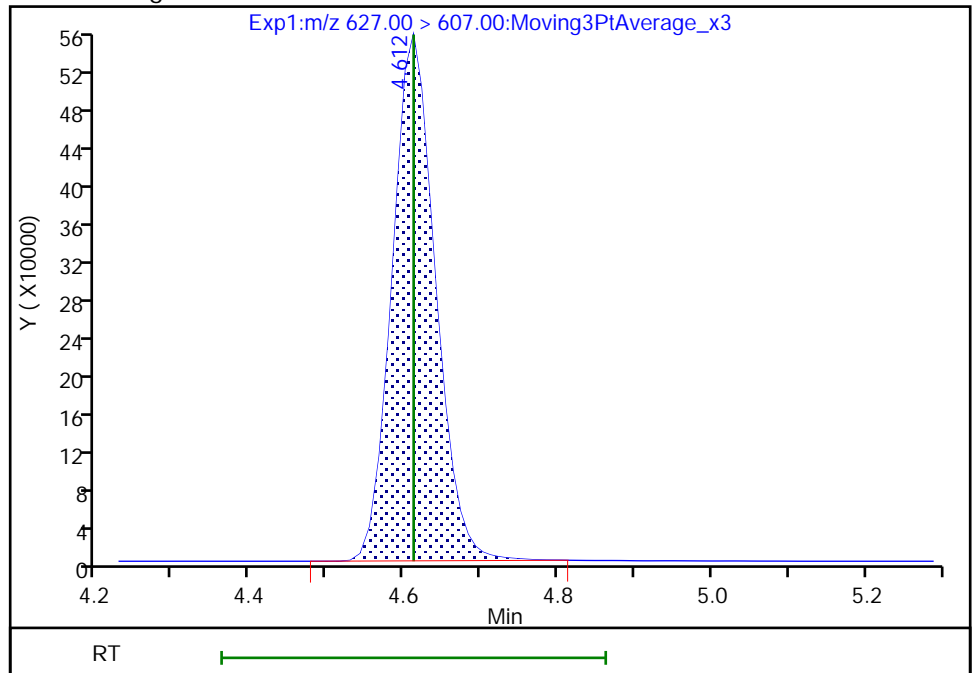
RT: 4.61
Area: 2155044
Amount: 9.567795
Amount Units: ng/ml

Processing Integration Results



RT: 4.61
Area: 2140218
Amount: 9.512798
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:28:24
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

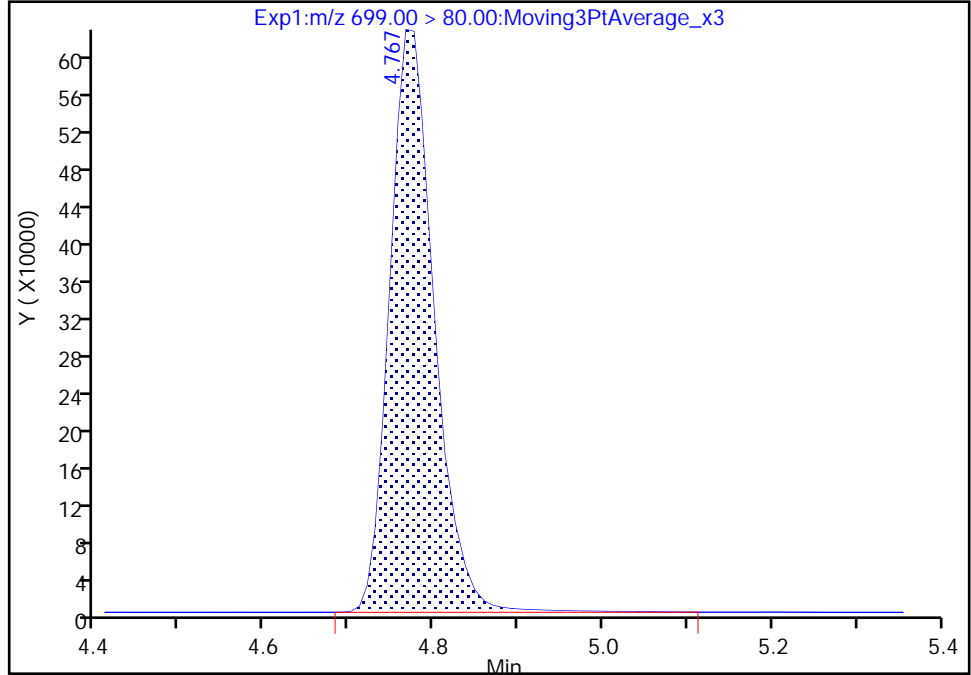
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

75 Perfluorododecanesulfonic acid (, CAS: 79780-39-5

Signal: 1

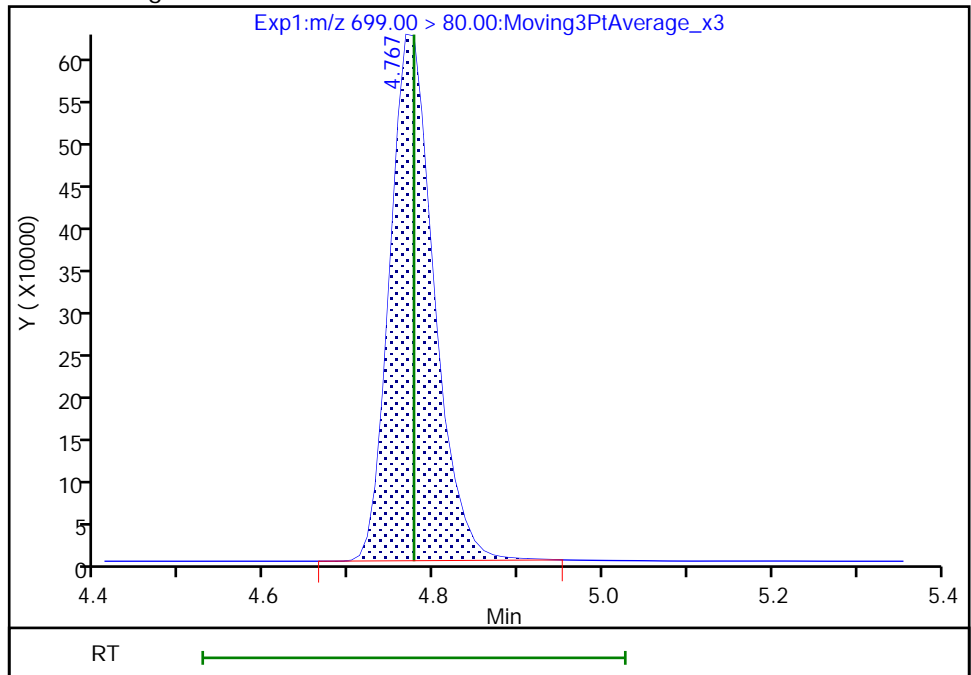
RT: 4.77
Area: 2276652
Amount: 8.916859
Amount Units: ng/ml

Processing Integration Results



RT: 4.77
Area: 2258006
Amount: 8.854963
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:28:28
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

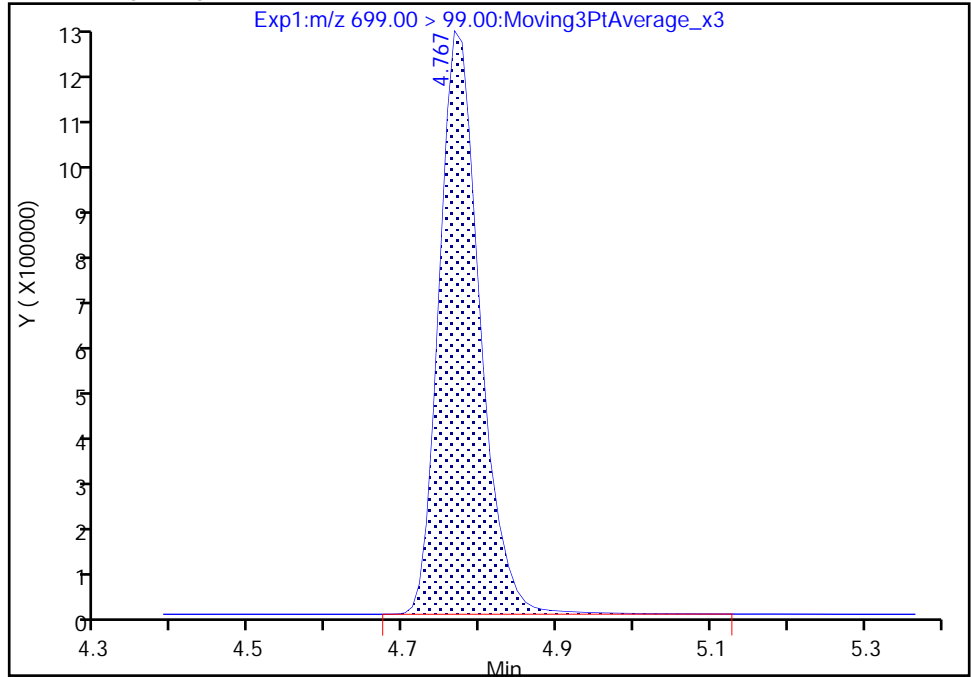
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

75 Perfluorododecanesulfonic acid (, CAS: 79780-39-5

Signal: 2

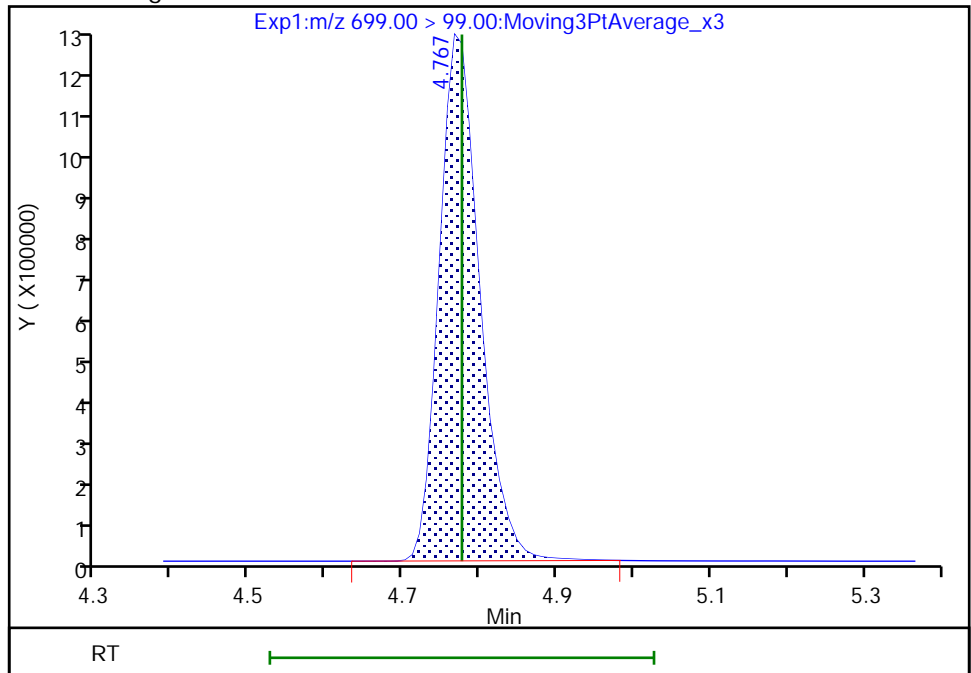
RT: 4.77
Area: 4551960
Amount: 8.916859
Amount Units: ng/ml

Processing Integration Results



RT: 4.77
Area: 4532176
Amount: 8.854963
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:28:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

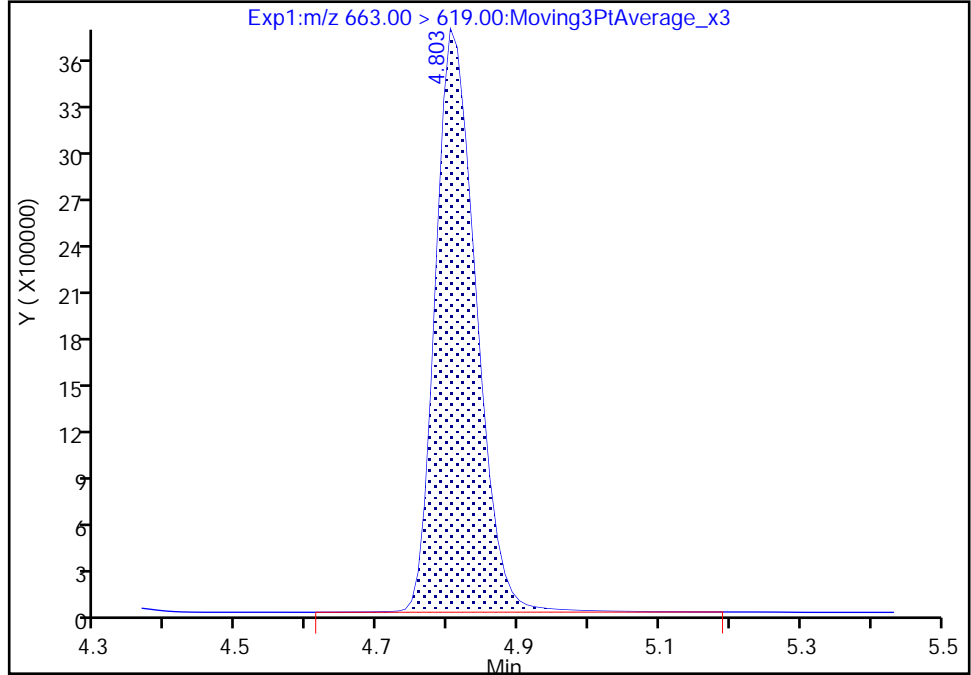
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

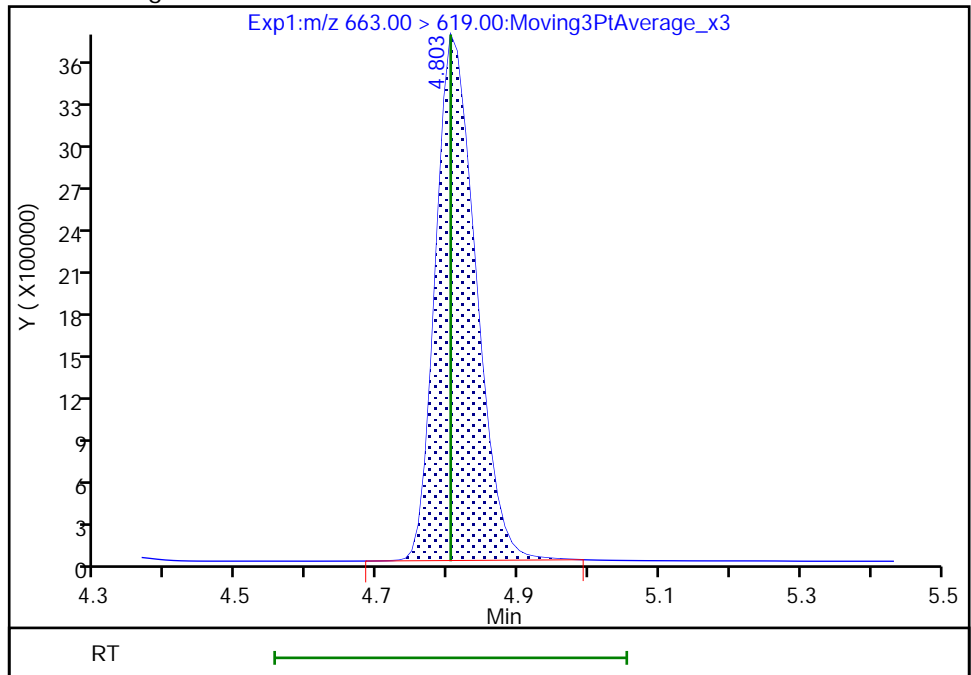
RT: 4.80
Area: 14874509
Amount: 8.712617
Amount Units: ng/ml

Processing Integration Results



RT: 4.80
Area: 14753486
Amount: 8.651951
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:28:39
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

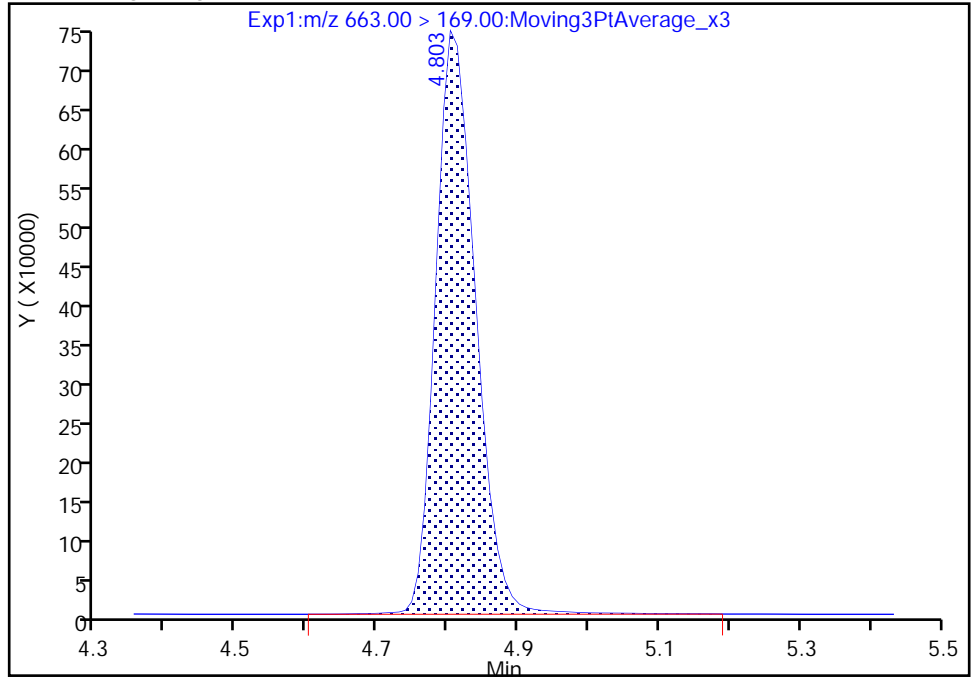
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

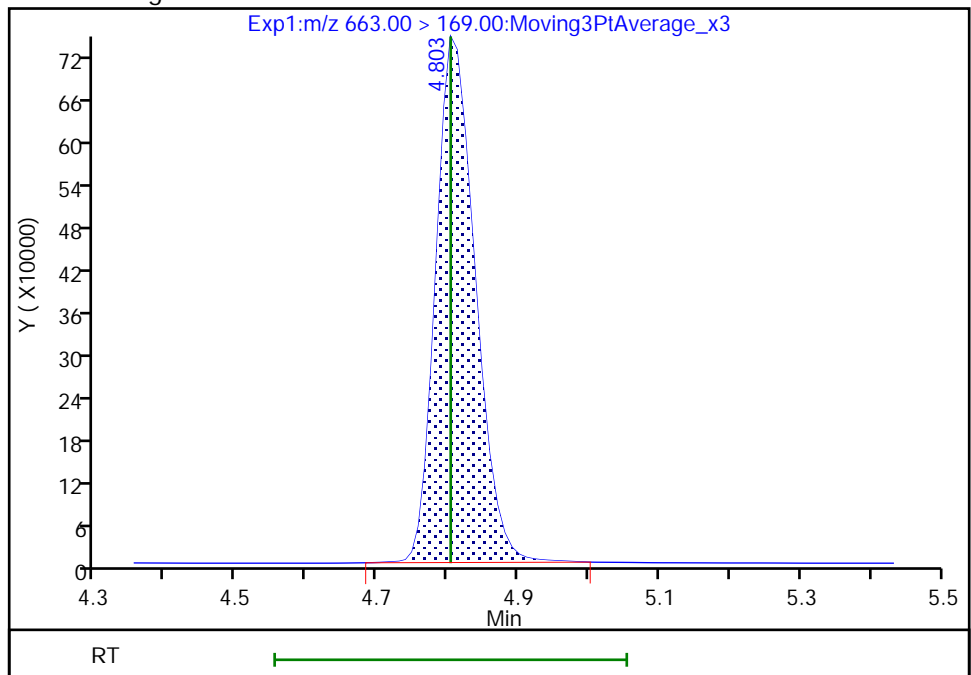
RT: 4.80
Area: 2899959
Amount: 8.712617
Amount Units: ng/ml

Processing Integration Results



RT: 4.80
Area: 2874269
Amount: 8.651951
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:28:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

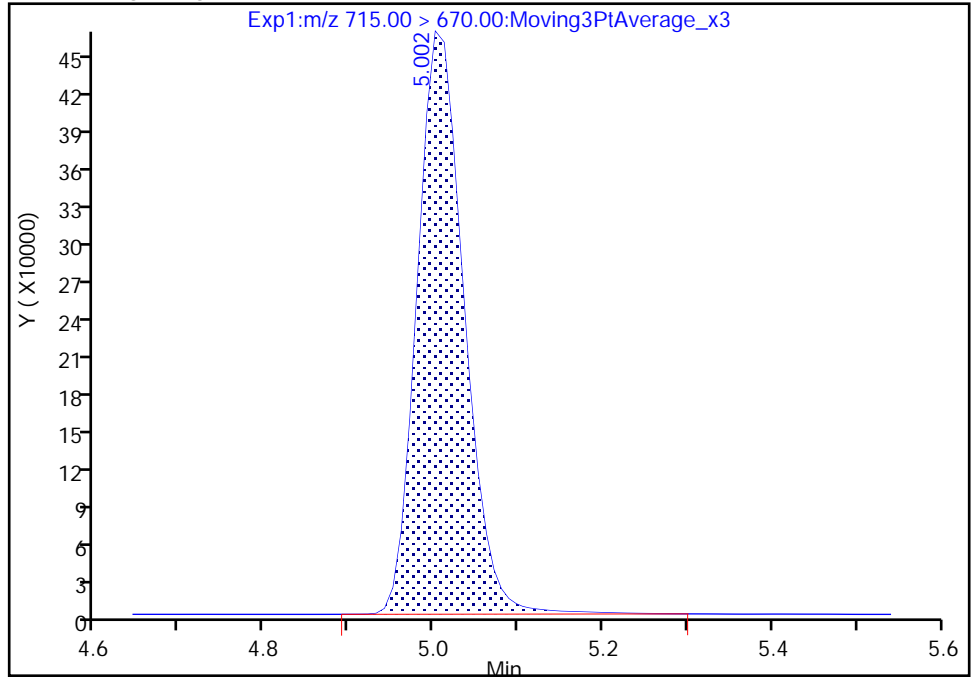
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116
Signal: 1

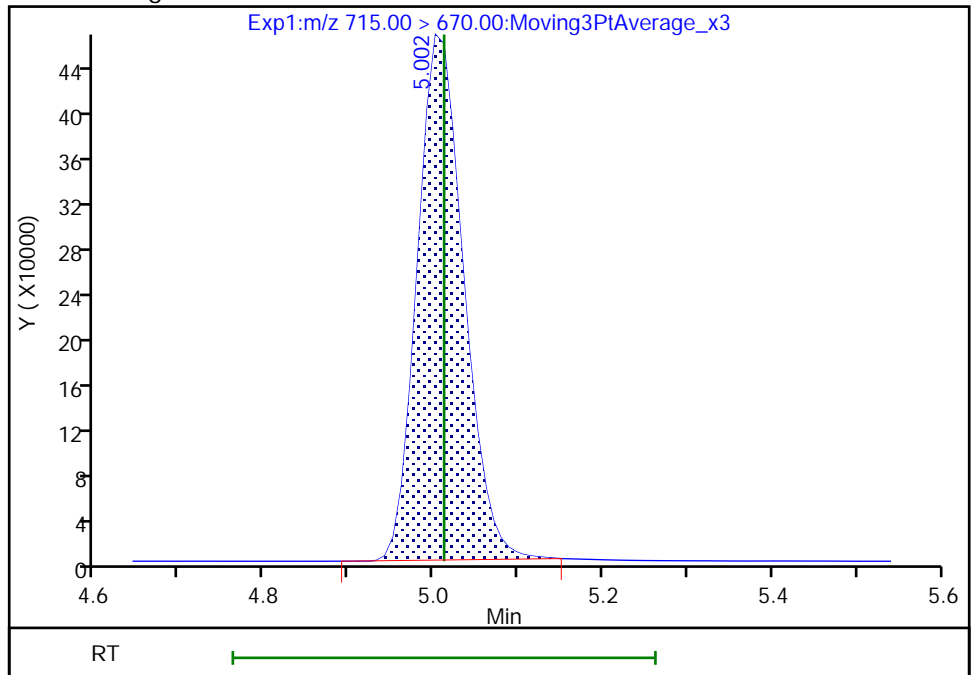
RT: 5.00
Area: 1805771
Amount: 1.302148
Amount Units: ng/ml

Processing Integration Results



RT: 5.00
Area: 1782548
Amount: 1.288279
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:28:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

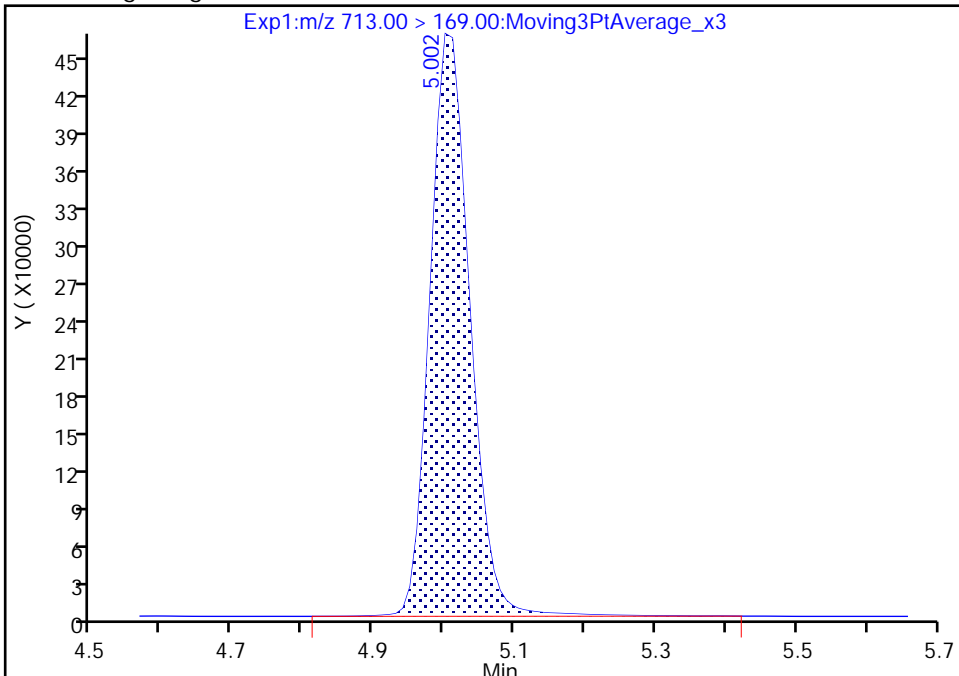
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

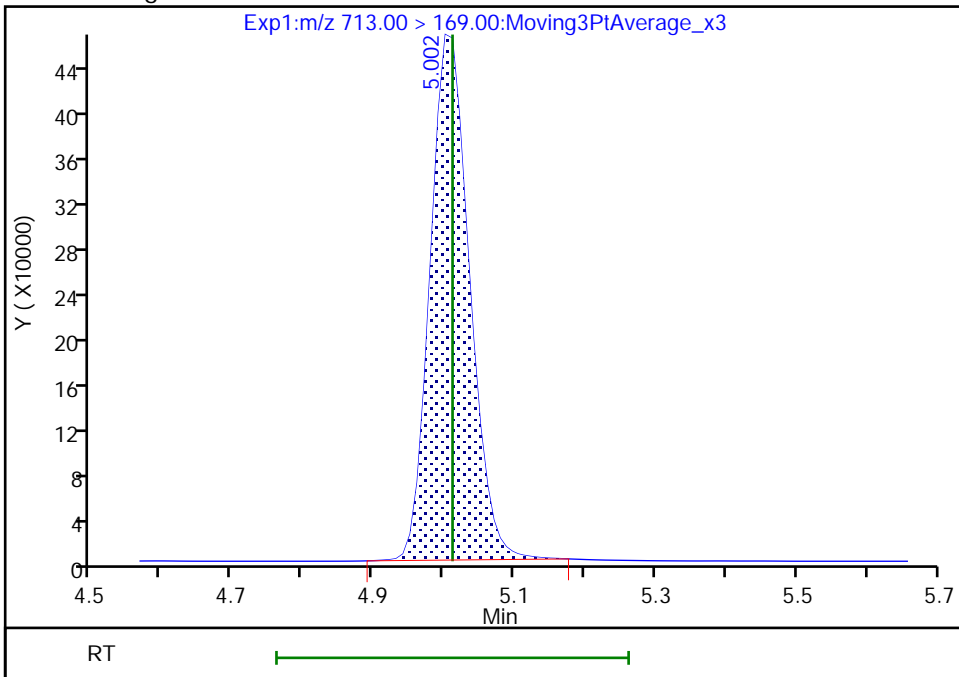
RT: 5.00
Area: 1841113
Amount: 9.306273
Amount Units: ng/ml

Processing Integration Results



RT: 5.00
Area: 1813608
Amount: 9.289708
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:28:47
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

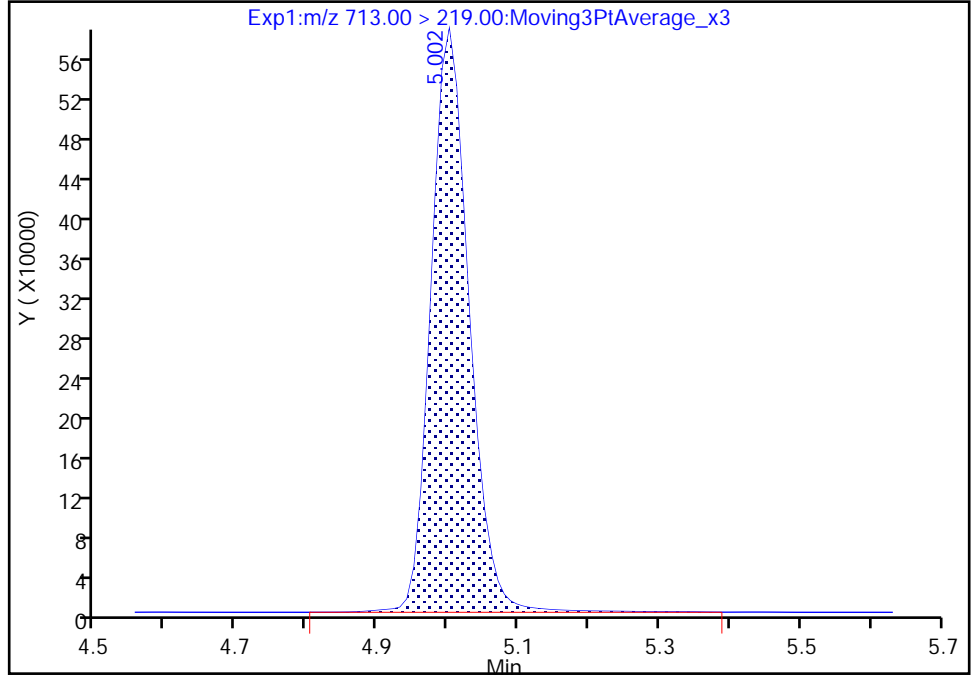
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

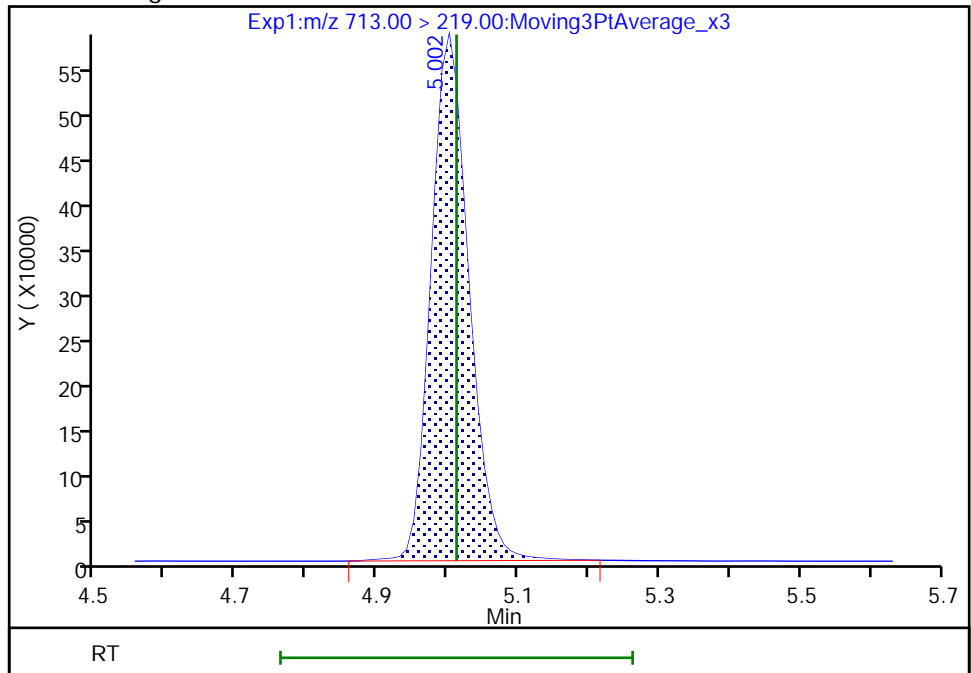
RT: 5.00
Area: 2174723
Amount: 9.306273
Amount Units: ng/ml

Processing Integration Results



RT: 5.00
Area: 2156307
Amount: 9.289708
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:28:50

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

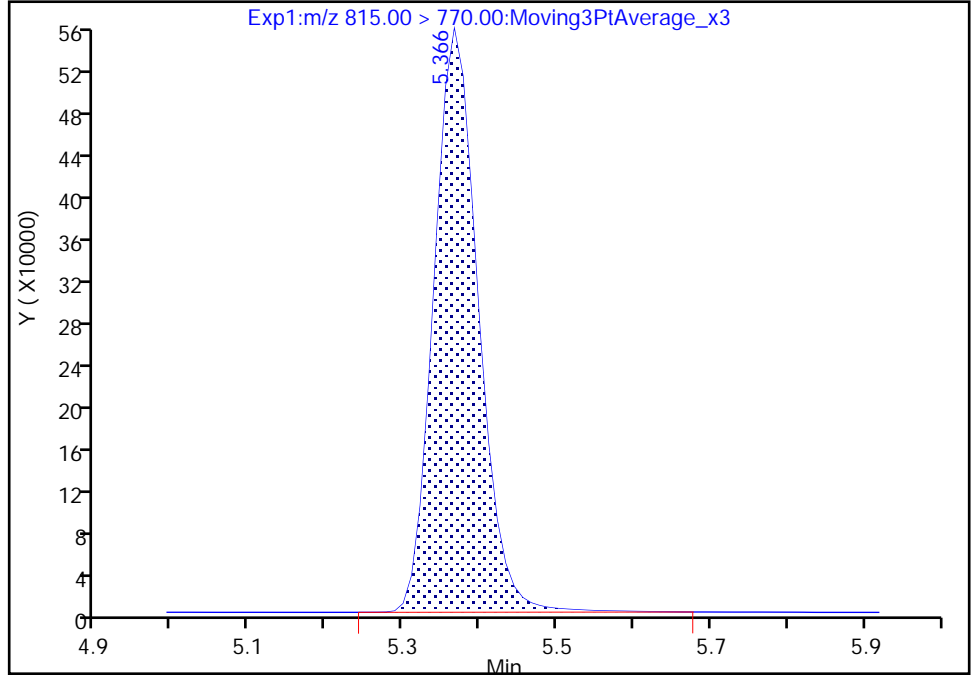
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 44 13C2 PFHxDA, CAS: STL02115
Signal: 1

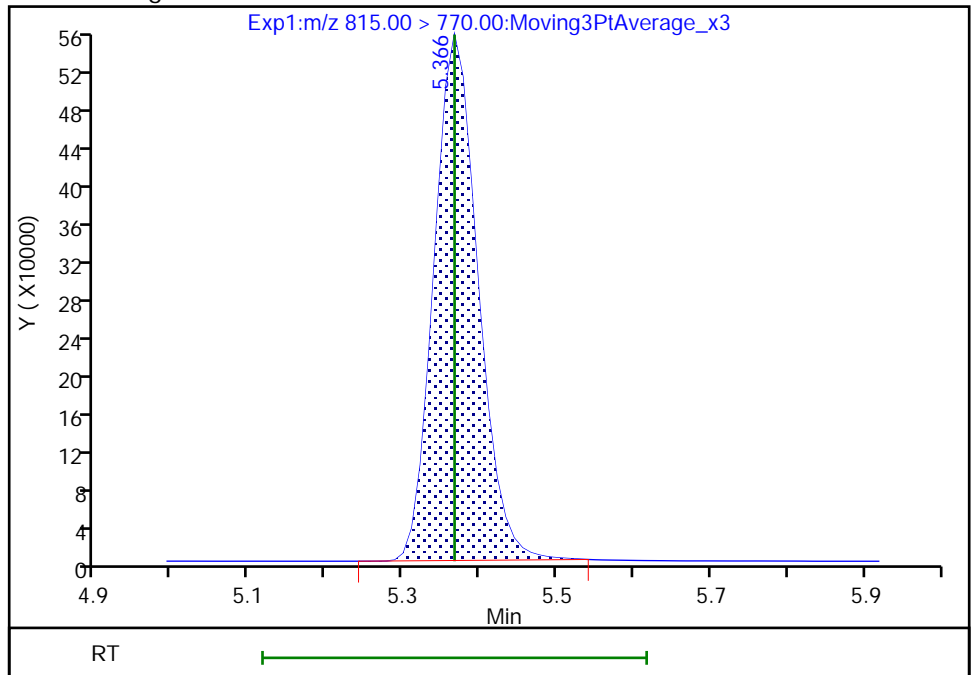
RT: 5.37
Area: 2211108
Amount: 1.290675
Amount Units: ng/ml

Processing Integration Results



RT: 5.37
Area: 2191999
Amount: 1.281426
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:29:07
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

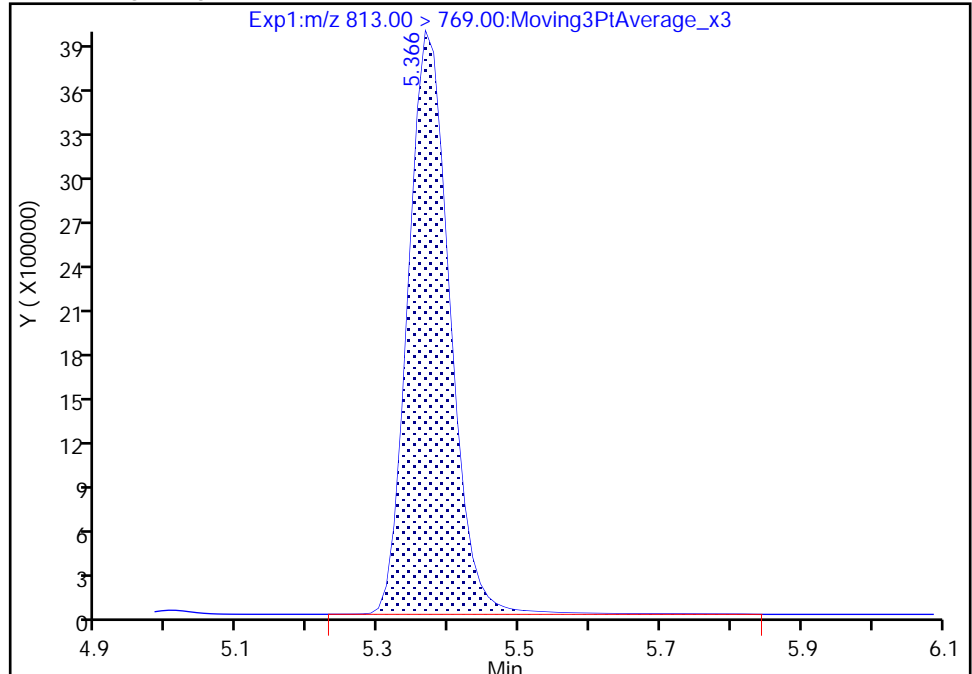
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

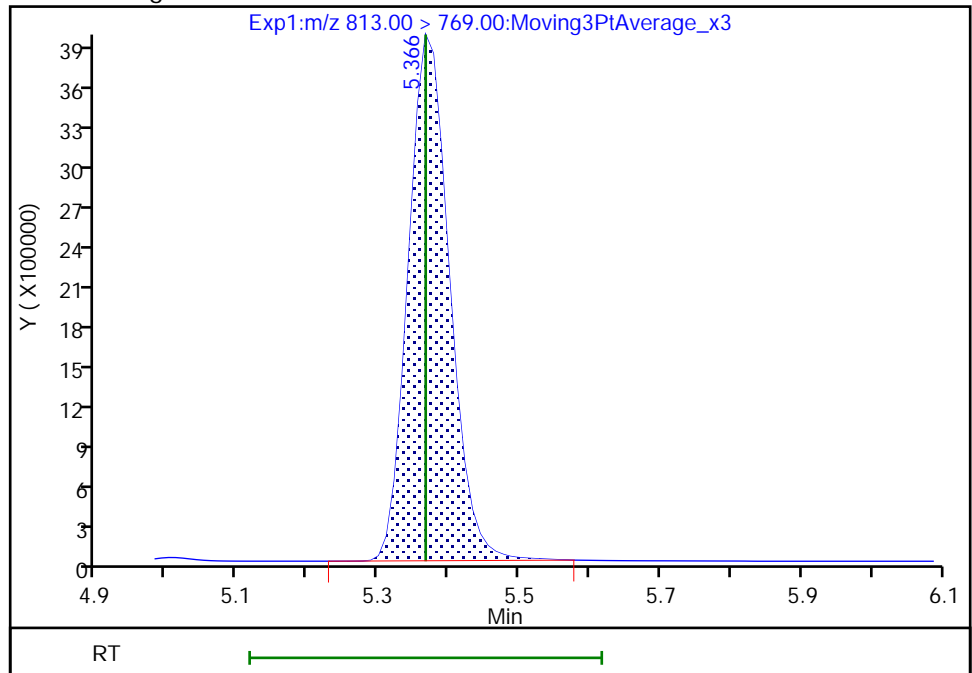
RT: 5.37
Area: 16305862
Amount: 10.008046
Amount Units: ng/ml

Processing Integration Results



RT: 5.37
Area: 16164958
Amount: 10.008049
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:28:59
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

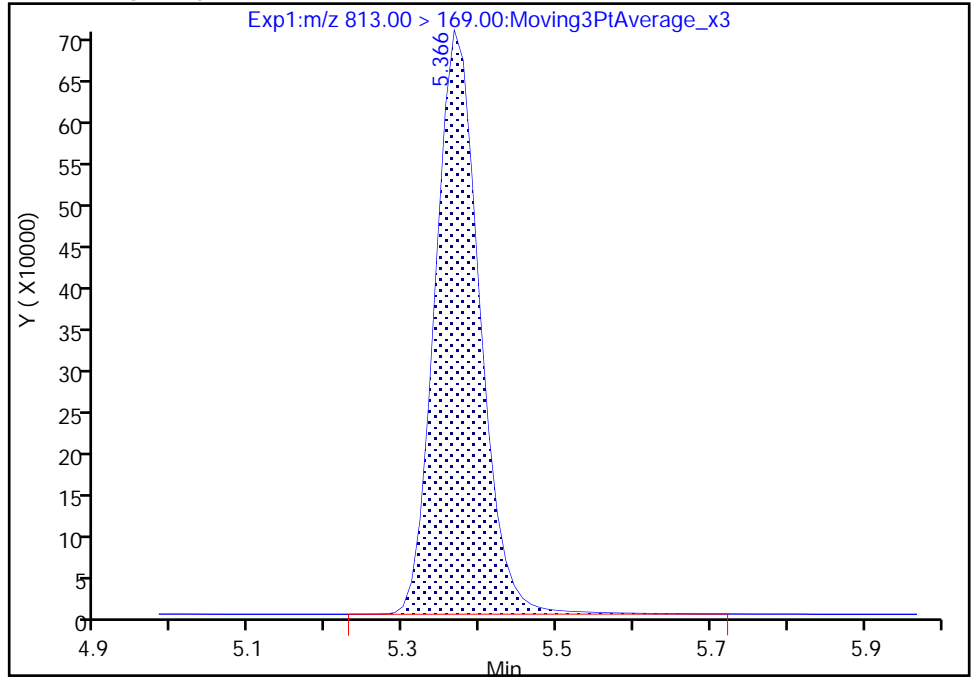
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

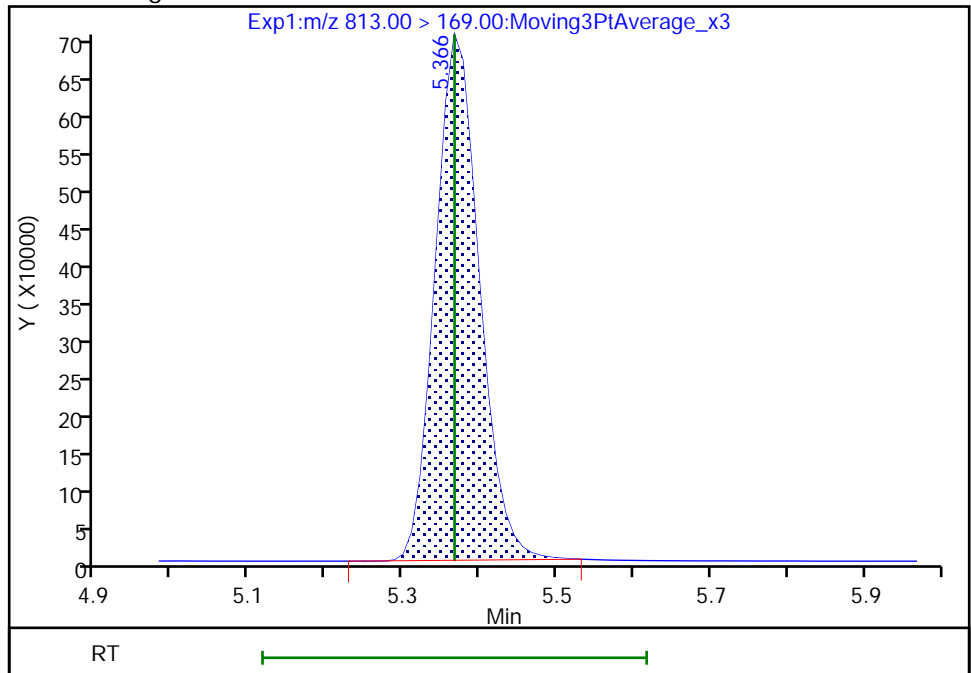
RT: 5.37
Area: 2835121
Amount: 10.008046
Amount Units: ng/ml

Processing Integration Results



RT: 5.37
Area: 2805404
Amount: 10.008049
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:29:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

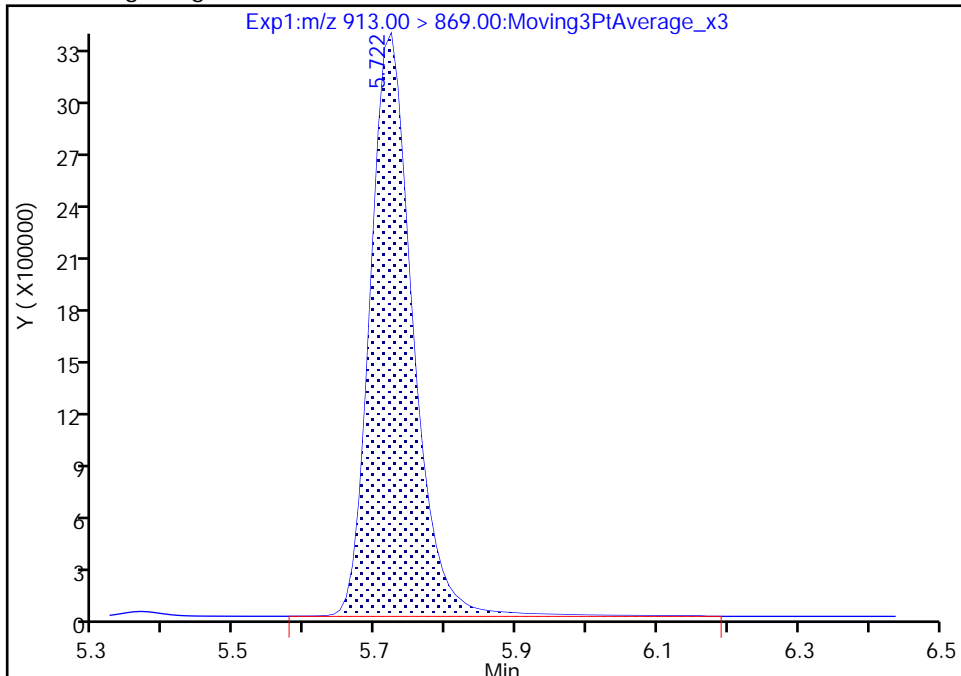
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

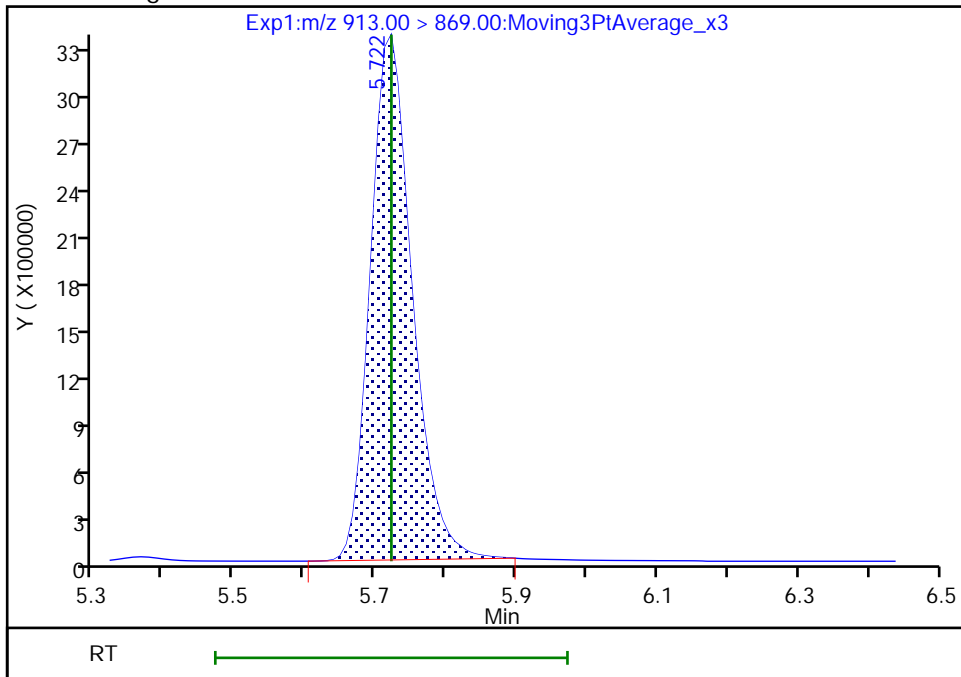
RT: 5.72
Area: 13908772
Amount: 9.598192
Amount Units: ng/ml

Processing Integration Results



RT: 5.72
Area: 13617092
Amount: 9.428539
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:29:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

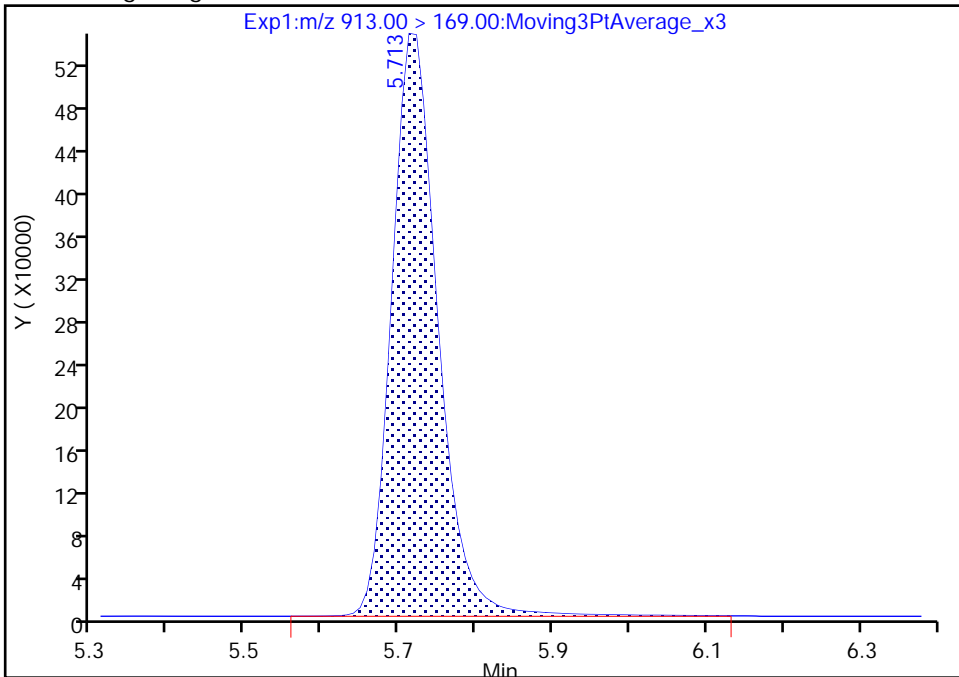
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

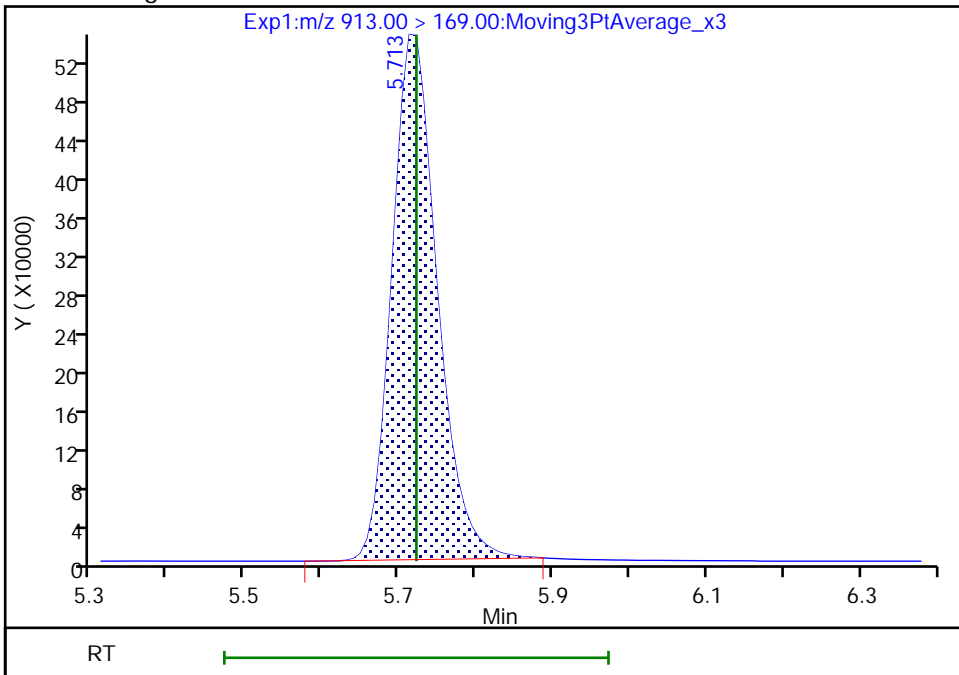
RT: 5.71
Area: 2271279
Amount: 9.598192
Amount Units: ng/ml

Processing Integration Results



RT: 5.71
Area: 2220967
Amount: 9.428539
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:29:15

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Calibration

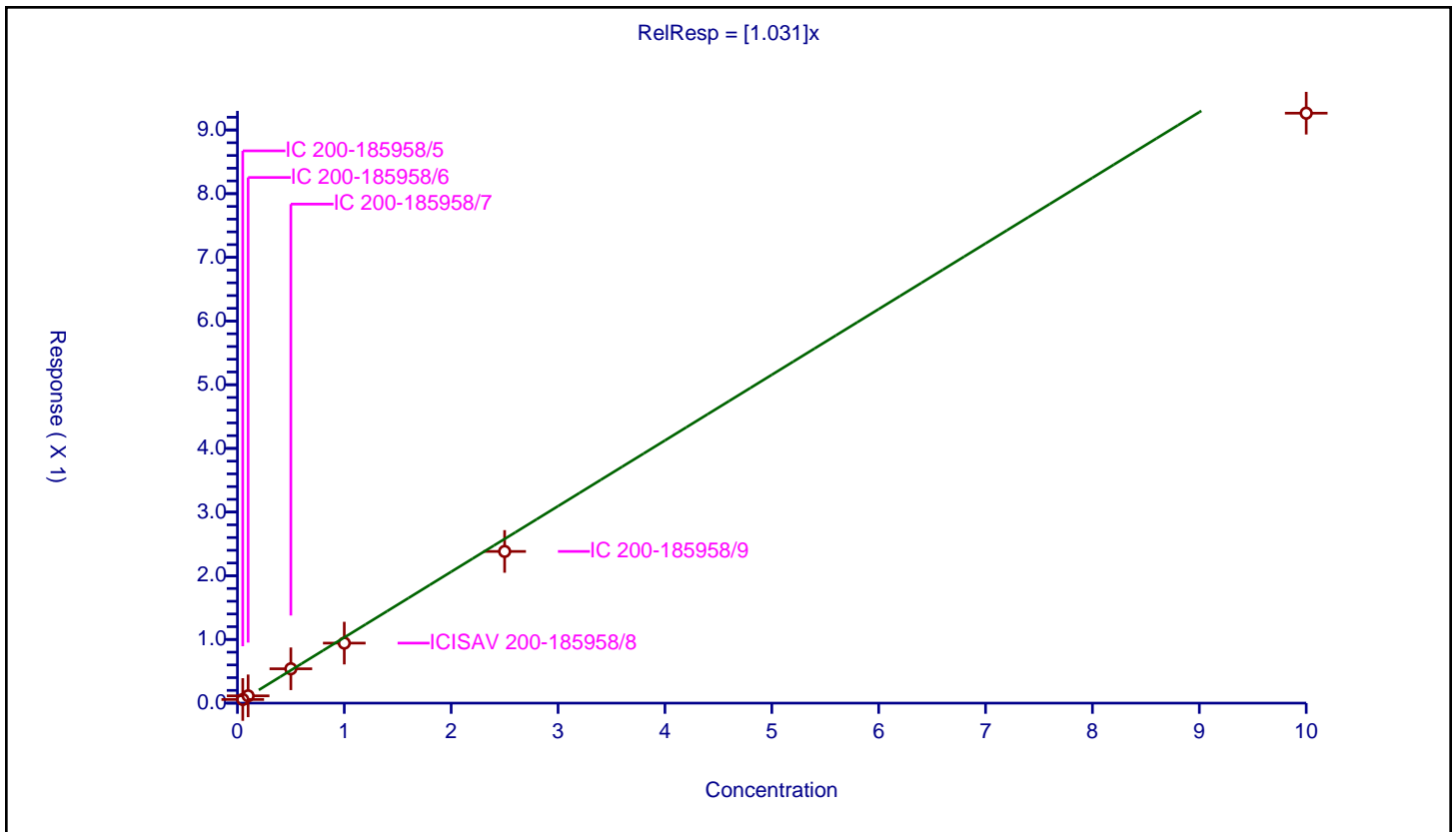
/ Perfluorobutanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.031

Error Coefficients	
Standard Error:	8550000
Relative Standard Error:	9.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.05	0.057224	1.25	2565506.0	1.144482	Y
2	IC 200-185958/6	0.1	0.114249	1.25	2583086.0	1.142485	Y
3	IC 200-185958/7	0.5	0.539241	1.25	2637410.0	1.078482	Y
4	ICISAV 200-185958/8	1.0	0.942534	1.25	2534911.0	0.942534	Y
5	IC 200-185958/9	2.5	2.381988	1.25	2679202.0	0.952795	Y
6	IC 200-185958/10	10.0	9.26398	1.25	2467565.0	0.926398	Y



Calibration

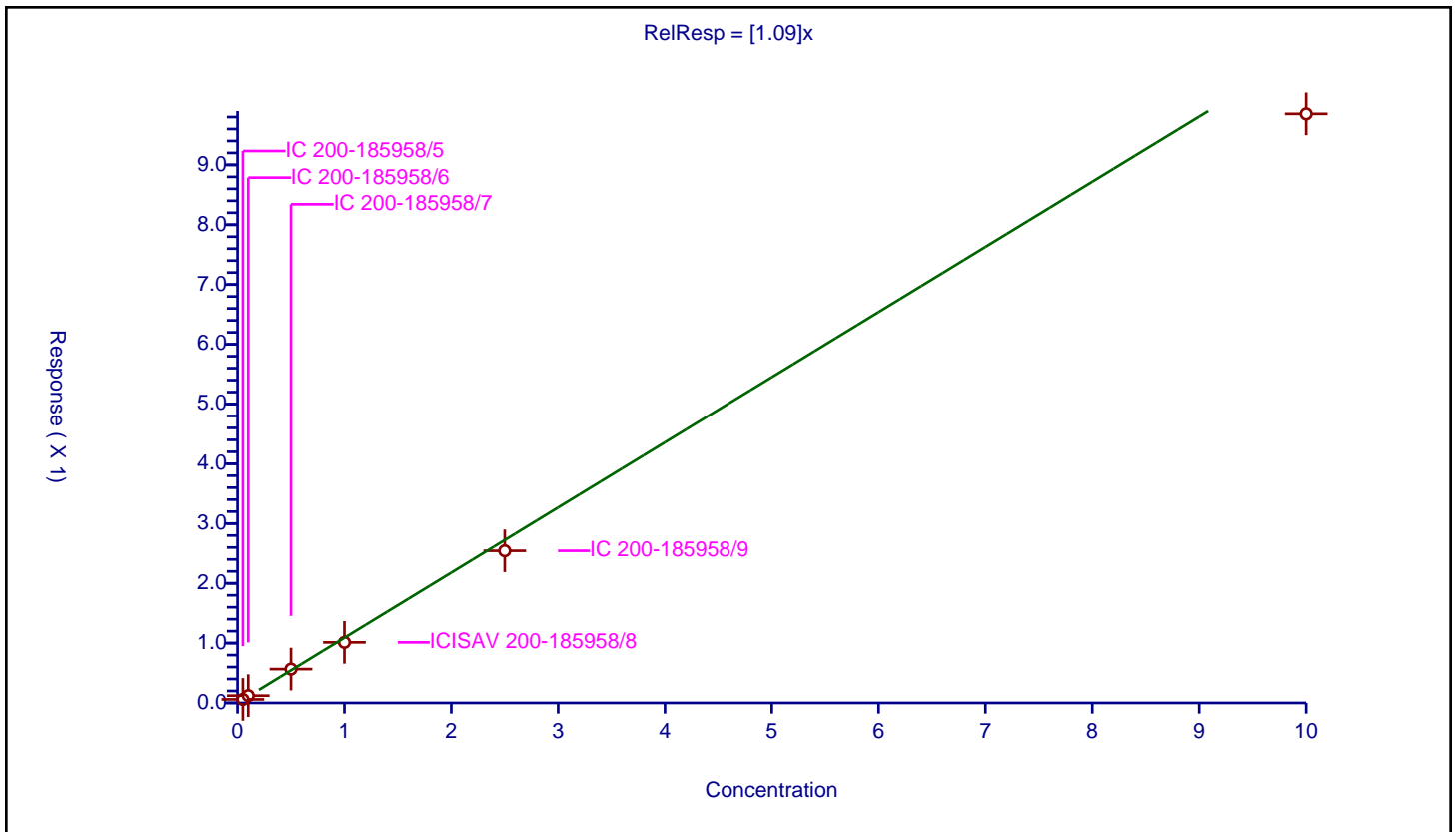
/ Perfluoropentanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.09

Error Coefficients	
Standard Error:	6860000
Relative Standard Error:	8.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.05	0.058833	1.25	1939262.0	1.176659	Y
2	IC 200-185958/6	0.1	0.121498	1.25	1926794.0	1.214985	Y
3	IC 200-185958/7	0.5	0.565812	1.25	2052396.0	1.131624	Y
4	ICISAV 200-185958/8	1.0	1.012574	1.25	1977830.0	1.012574	Y
5	IC 200-185958/9	2.5	2.544537	1.25	2026955.0	1.017815	Y
6	IC 200-185958/10	10.0	9.852991	1.25	1859782.0	0.985299	Y



Calibration

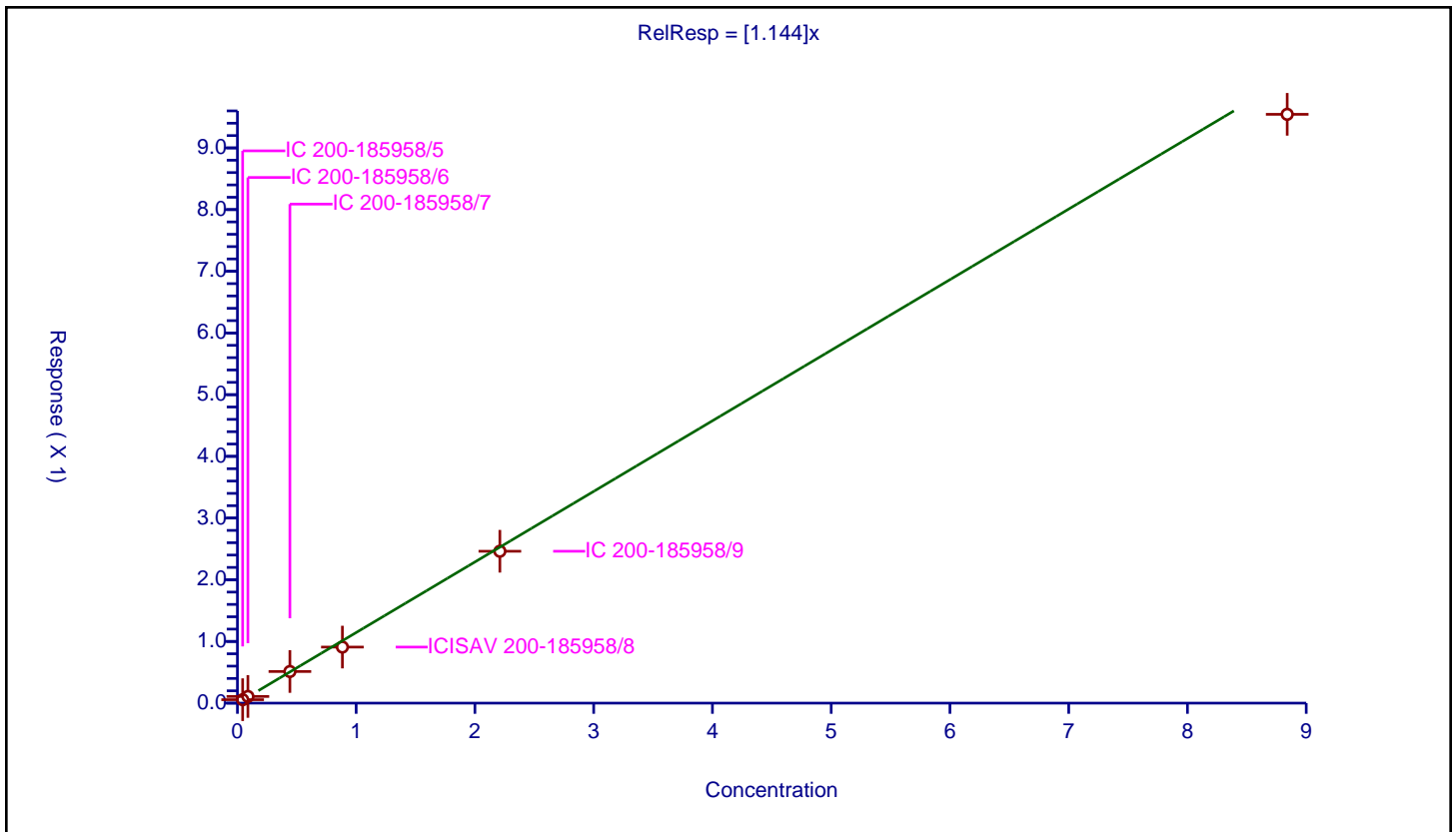
/ Perfluorobutanesulfonic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.144

Error Coefficients	
Standard Error:	7350000
Relative Standard Error:	7.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.0442	0.055758	1.1625	1961265.0	1.261495	Y
2	IC 200-185958/6	0.0884	0.107986	1.1625	1974243.0	1.221563	Y
3	IC 200-185958/7	0.442	0.512666	1.1625	2040575.0	1.159878	Y
4	ICISAV 200-185958/8	0.884	0.908628	1.1625	1977208.0	1.02786	Y
5	IC 200-185958/9	2.21	2.46206	1.1625	2026741.0	1.114054	Y
6	IC 200-185958/10	8.84	9.544152	1.1625	1920108.0	1.079655	Y



Calibration

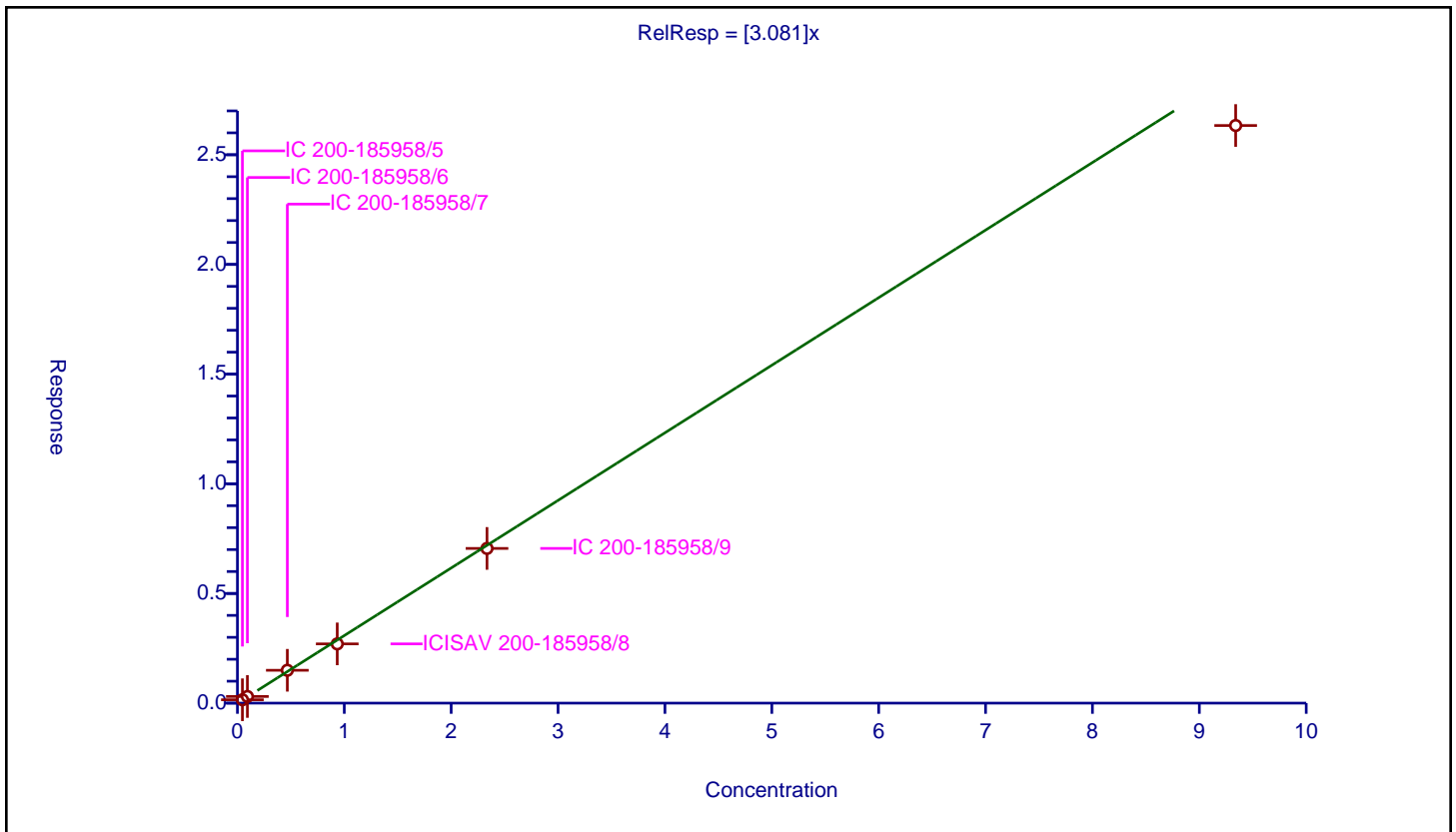
/ 1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	3.081

Error Coefficients	
Standard Error:	1780000
Relative Standard Error:	6.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.0467	0.15414	1.1675	184320.0	3.300646	Y
2	IC 200-185958/6	0.0934	0.303025	1.1675	176875.0	3.244382	Y
3	IC 200-185958/7	0.467	1.498032	1.1675	178810.0	3.207776	Y
4	ICISAV 200-185958/8	0.934	2.701025	1.1675	169056.0	2.891889	Y
5	IC 200-185958/9	2.335	7.053067	1.1675	178646.0	3.020585	Y
6	IC 200-185958/10	9.34	26.333856	1.1675	168186.0	2.819471	Y



Calibration

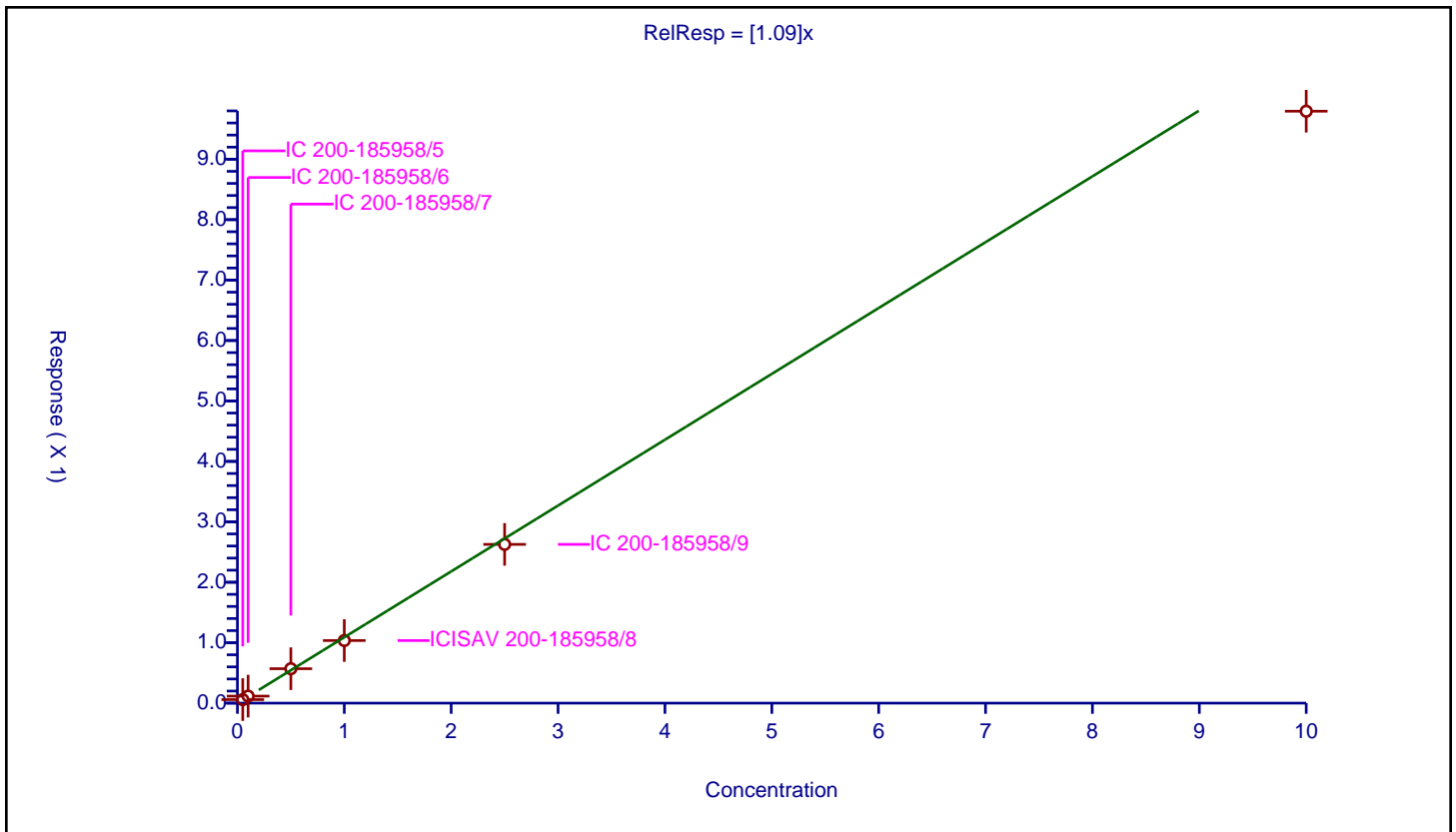
/ Perfluorohexanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.09

Error Coefficients	
Standard Error:	7040000
Relative Standard Error:	7.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.05	0.058558	1.25	1995025.0	1.171151	Y
2	IC 200-185958/6	0.1	0.116113	1.25	2057289.0	1.161134	Y
3	IC 200-185958/7	0.5	0.569539	1.25	2177304.0	1.139078	Y
4	ICISAV 200-185958/8	1.0	1.036018	1.25	2055340.0	1.036018	Y
5	IC 200-185958/9	2.5	2.627037	1.25	2164012.0	1.050815	Y
6	IC 200-185958/10	10.0	9.79467	1.25	1905245.0	0.979467	Y



Calibration

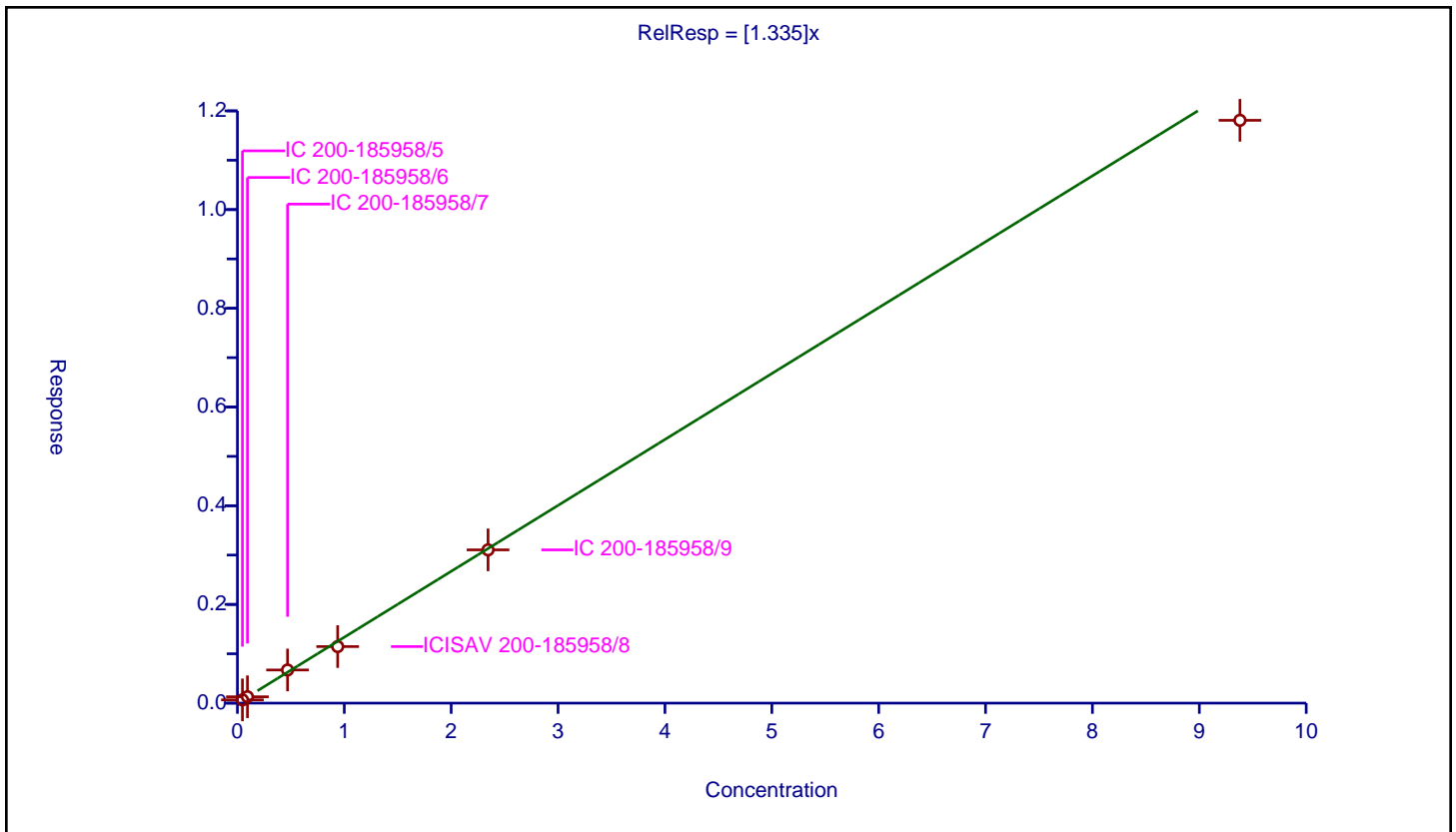
/ Perfluoropentanesulfonic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.335

Error Coefficients	
Standard Error:	6610000
Relative Standard Error:	6.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.0469	0.065942	1.1825	1483321.0	1.406008	Y
2	IC 200-185958/6	0.0938	0.128511	1.1825	1507942.0	1.370052	Y
3	IC 200-185958/7	0.469	0.671495	1.1825	1474490.0	1.431758	Y
4	ICISAV 200-185958/8	0.938	1.145942	1.1825	1449028.0	1.221687	Y
5	IC 200-185958/9	2.345	3.105213	1.1825	1485775.0	1.324185	Y
6	IC 200-185958/10	9.38	11.808932	1.1825	1417084.0	1.258948	Y



Calibration

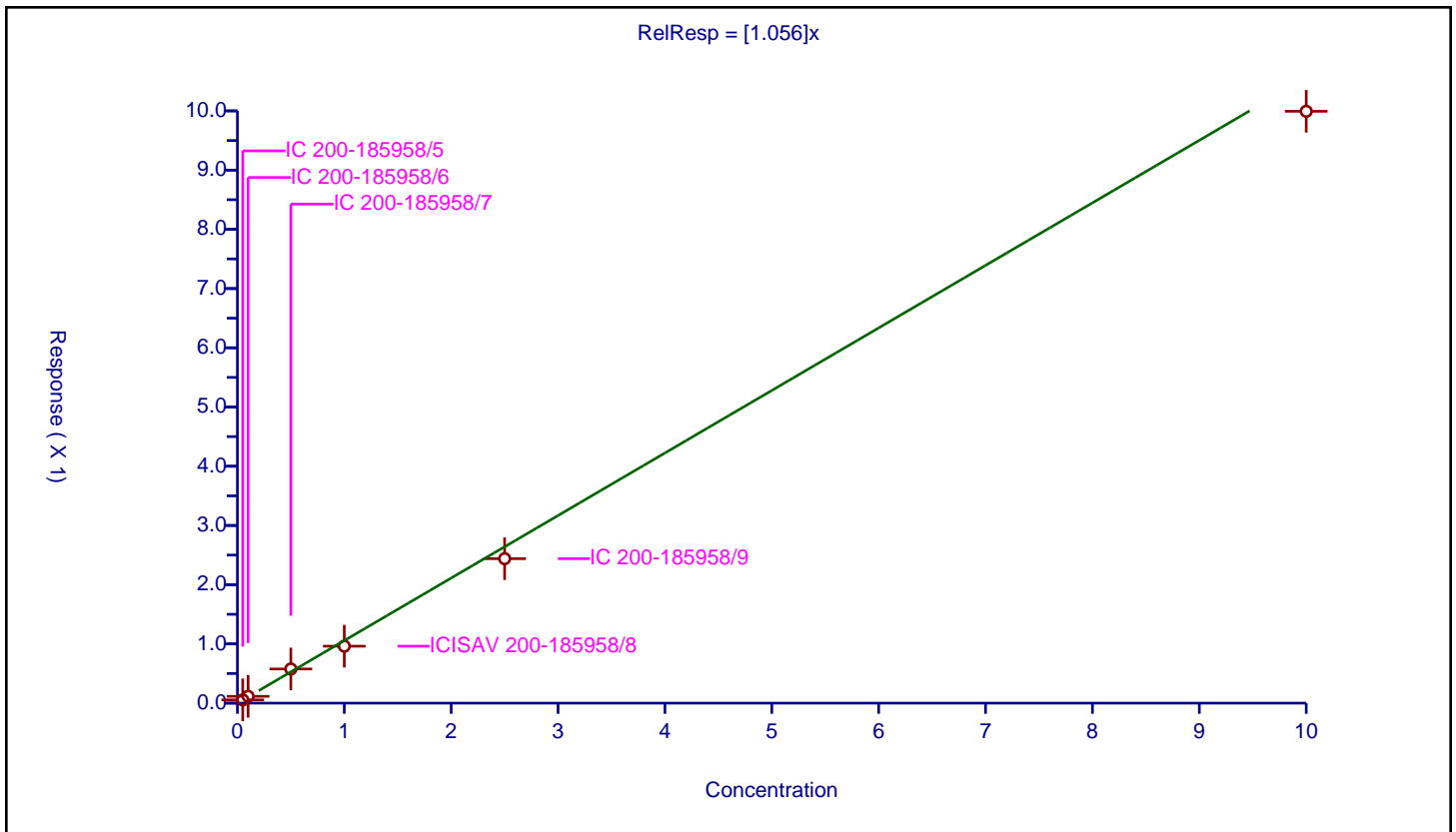
/ Perfluoro(2-propoxypropanoic) acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.056

Error Coefficients	
Standard Error:	1300000
Relative Standard Error:	8.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.05	0.054781	1.25	337960.0	1.095618	Y
2	IC 200-185958/6	0.1	0.114926	1.25	352715.0	1.149264	Y
3	IC 200-185958/7	0.5	0.576866	1.25	378942.0	1.153732	Y
4	ICISAV 200-185958/8	1.0	0.961905	1.25	372889.0	0.961905	Y
5	IC 200-185958/9	2.5	2.439146	1.25	387831.0	0.975658	Y
6	IC 200-185958/10	10.0	9.993461	1.25	349067.0	0.999346	Y



Calibration

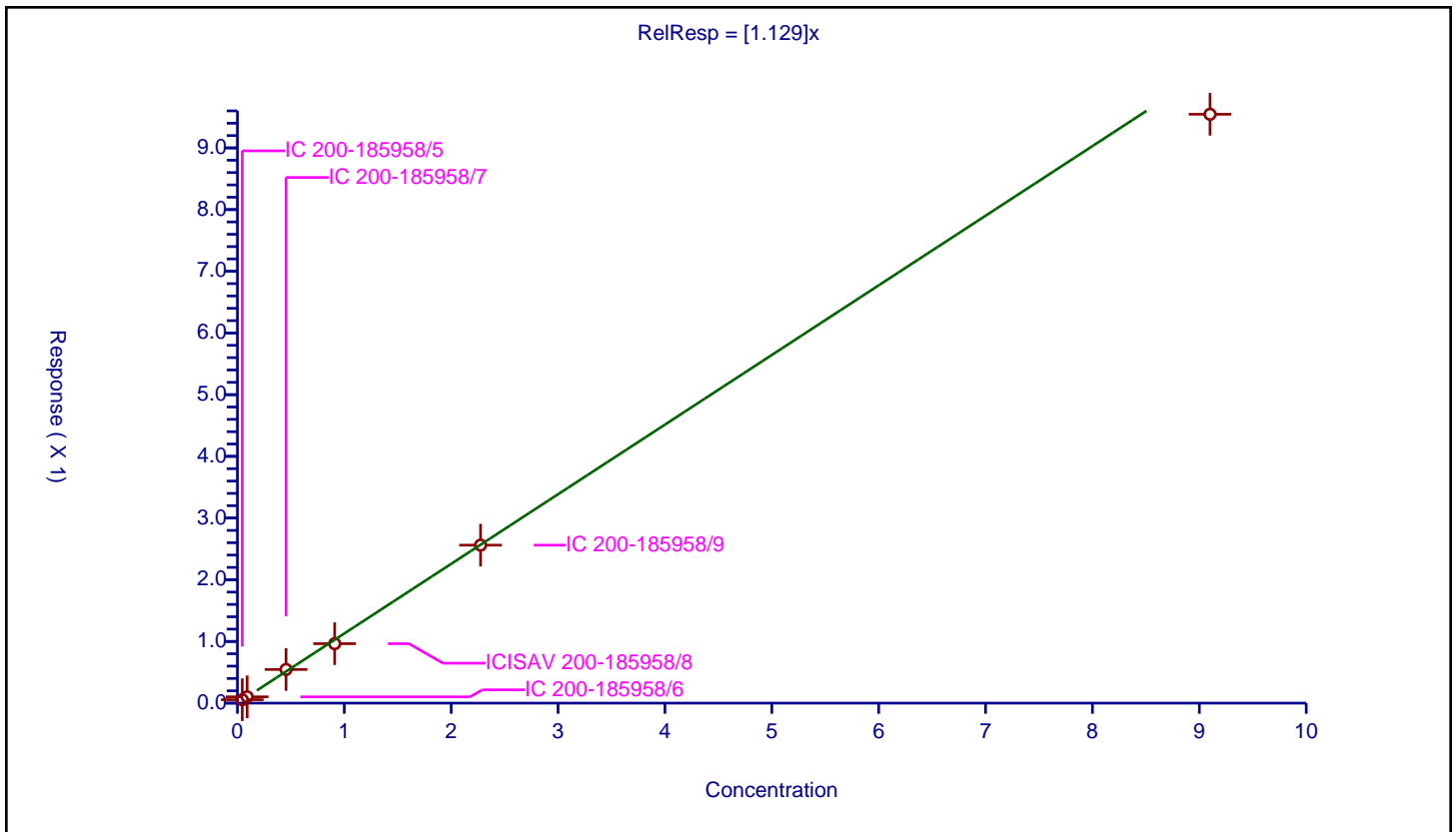
/ Perfluorohexanesulfonic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.129

Error Coefficients	
Standard Error:	5350000
Relative Standard Error:	6.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.0455	0.055357	1.1825	1483321.0	1.216629	Y
2	IC 200-185958/6	0.091	0.10215	1.1825	1507942.0	1.122525	Y
3	IC 200-185958/7	0.455	0.545667	1.1825	1474490.0	1.199267	Y
4	ICISAV 200-185958/8	0.91	0.963656	1.1825	1449028.0	1.058963	Y
5	IC 200-185958/9	2.275	2.560878	1.1825	1485775.0	1.125661	Y
6	IC 200-185958/10	9.1	9.544961	1.1825	1417084.0	1.048897	Y



Calibration

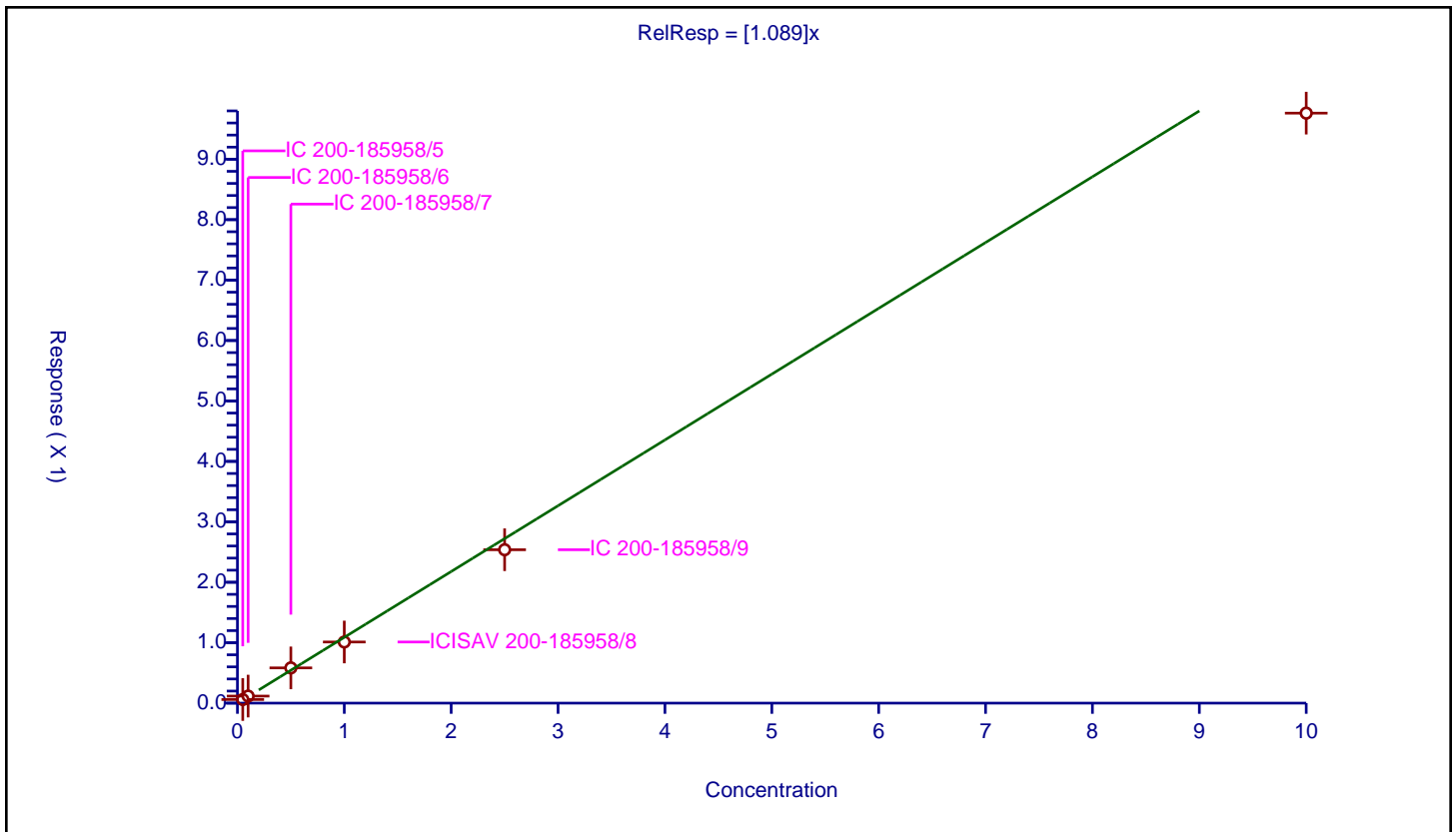
/ Perfluoroheptanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.089

Error Coefficients	
Standard Error:	7240000
Relative Standard Error:	9.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.05	0.059812	1.25	2099356.0	1.196236	Y
2	IC 200-185958/6	0.1	0.116645	1.25	2087570.0	1.166446	Y
3	IC 200-185958/7	0.5	0.583295	1.25	2150118.0	1.166589	Y
4	ICISAV 200-185958/8	1.0	1.011758	1.25	2123066.0	1.011758	Y
5	IC 200-185958/9	2.5	2.538419	1.25	2271049.0	1.015368	Y
6	IC 200-185958/10	10.0	9.762974	1.25	1969787.0	0.976297	Y



Calibration

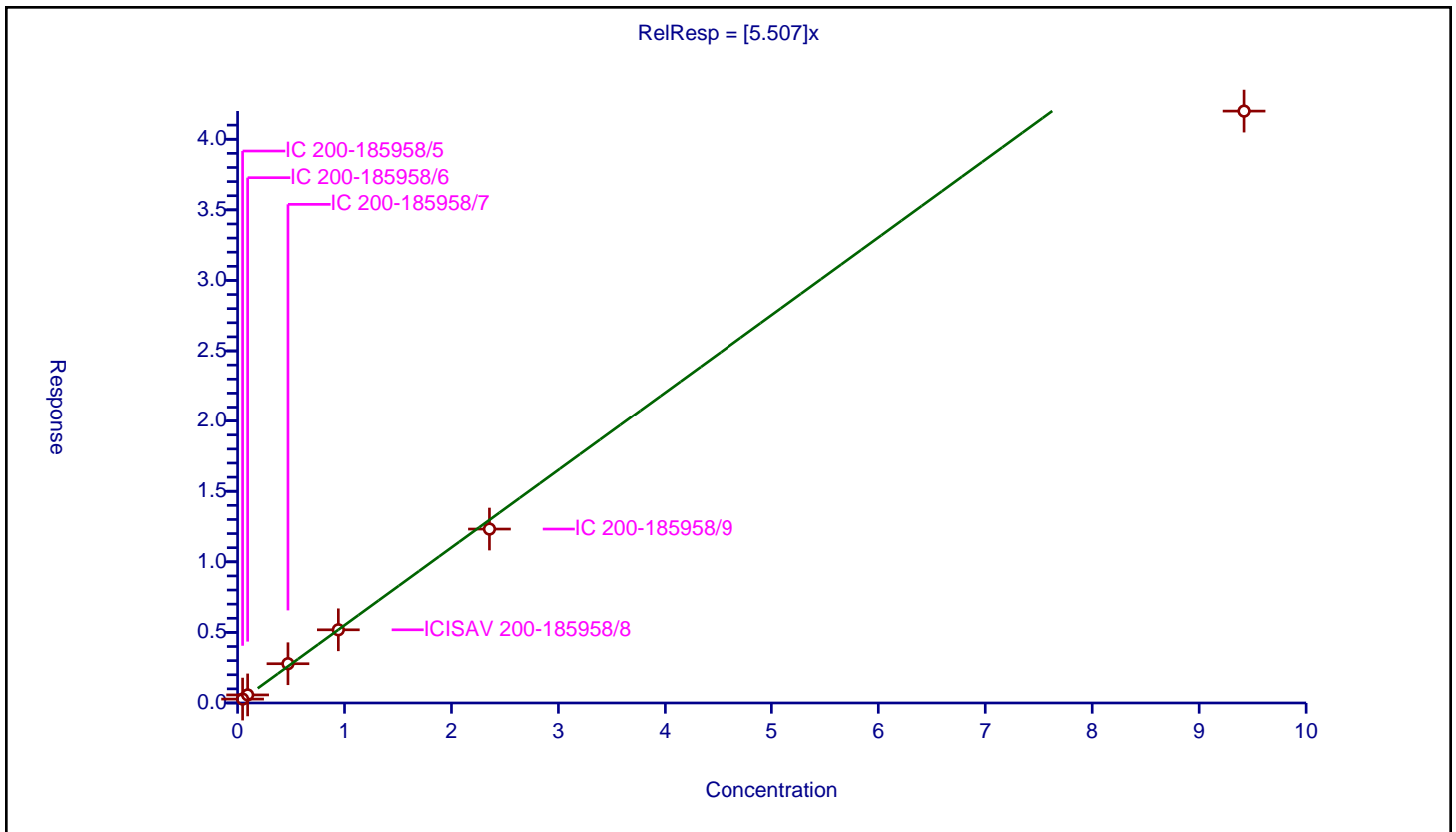
/ DONA

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	5.507

Error Coefficients	
Standard Error:	16500000
Relative Standard Error:	10.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.0471	0.276629	1.195	989045.0	5.873234	Y
2	IC 200-185958/6	0.0942	0.571824	1.195	1010315.0	6.070323	Y
3	IC 200-185958/7	0.471	2.781198	1.195	1035061.0	5.904879	Y
4	ICISAV 200-185958/8	0.942	5.184478	1.195	967441.0	5.503692	Y
5	IC 200-185958/9	2.355	12.321992	1.195	1049764.0	5.232268	Y
6	IC 200-185958/10	9.42	41.995038	1.195	993714.0	4.458072	Y



Calibration

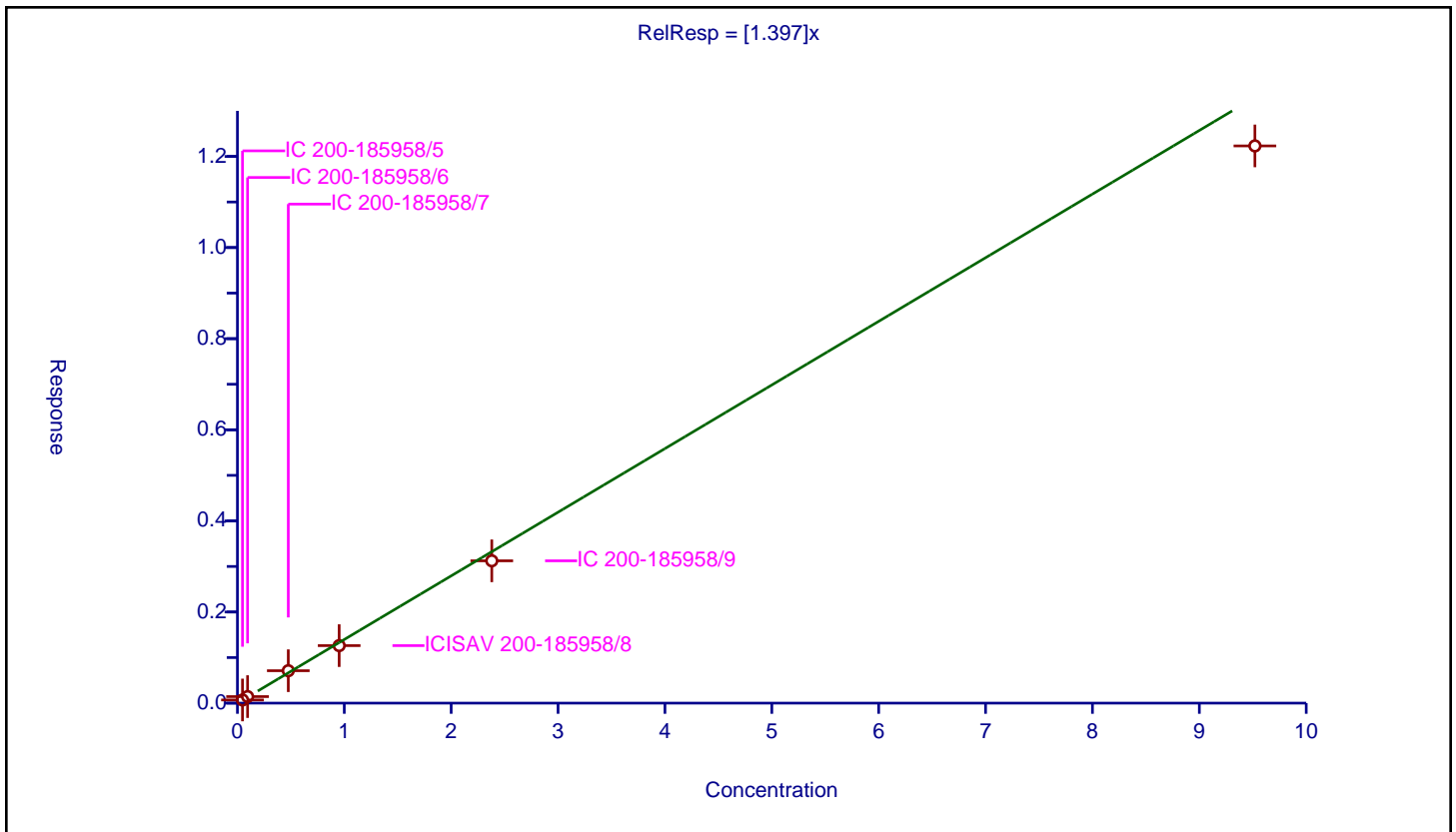
/ Perfluoroheptanesulfonic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.397

Error Coefficients	
Standard Error:	4740000
Relative Standard Error:	7.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.0476	0.069184	1.195	989045.0	1.453437	Y
2	IC 200-185958/6	0.0952	0.143591	1.195	1010315.0	1.508305	Y
3	IC 200-185958/7	0.476	0.711751	1.195	1035061.0	1.495275	Y
4	ICISAV 200-185958/8	0.952	1.262274	1.195	967441.0	1.325918	Y
5	IC 200-185958/9	2.38	3.123937	1.195	1049764.0	1.312579	Y
6	IC 200-185958/10	9.52	12.23132	1.195	993714.0	1.284802	Y



Calibration

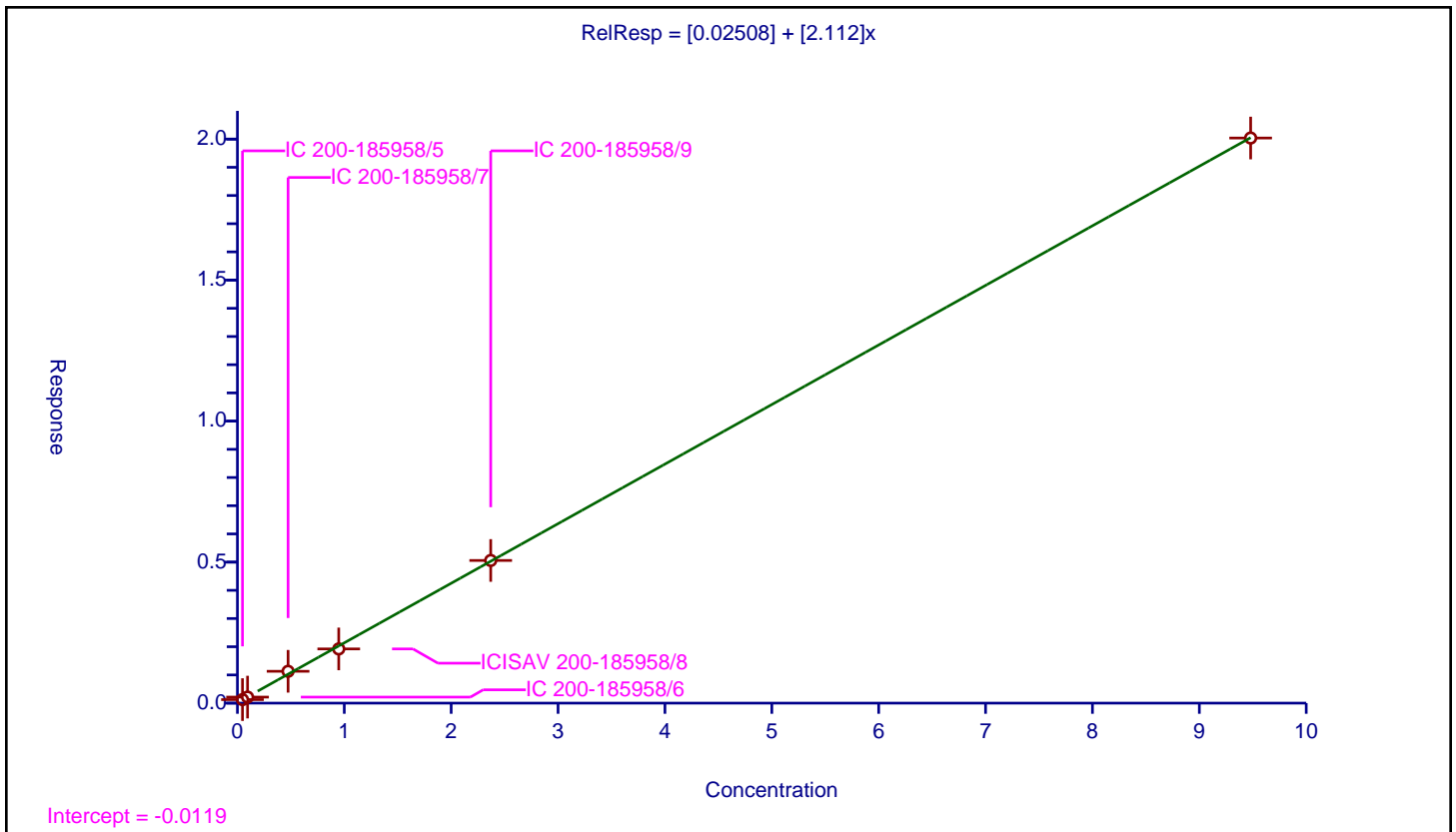
/ 1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)

Curve Type: Linear
 Weighting: Conc
 Origin: None
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0.02508
Slope:	2.112

Error Coefficients	
Standard Error:	1960000
Relative Standard Error:	6.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.0474	0.125278	1.1875	255115.0	2.643002	Y
2	IC 200-185958/6	0.0948	0.214255	1.1875	254748.0	2.260075	Y
3	IC 200-185958/7	0.474	1.129262	1.1875	247623.0	2.38241	Y
4	ICISAV 200-185958/8	0.948	1.921884	1.1875	249636.0	2.027304	Y
5	IC 200-185958/9	2.37	5.059011	1.1875	257709.0	2.134604	Y
6	IC 200-185958/10	9.48	20.037836	1.1875	221871.0	2.113696	Y



Calibration

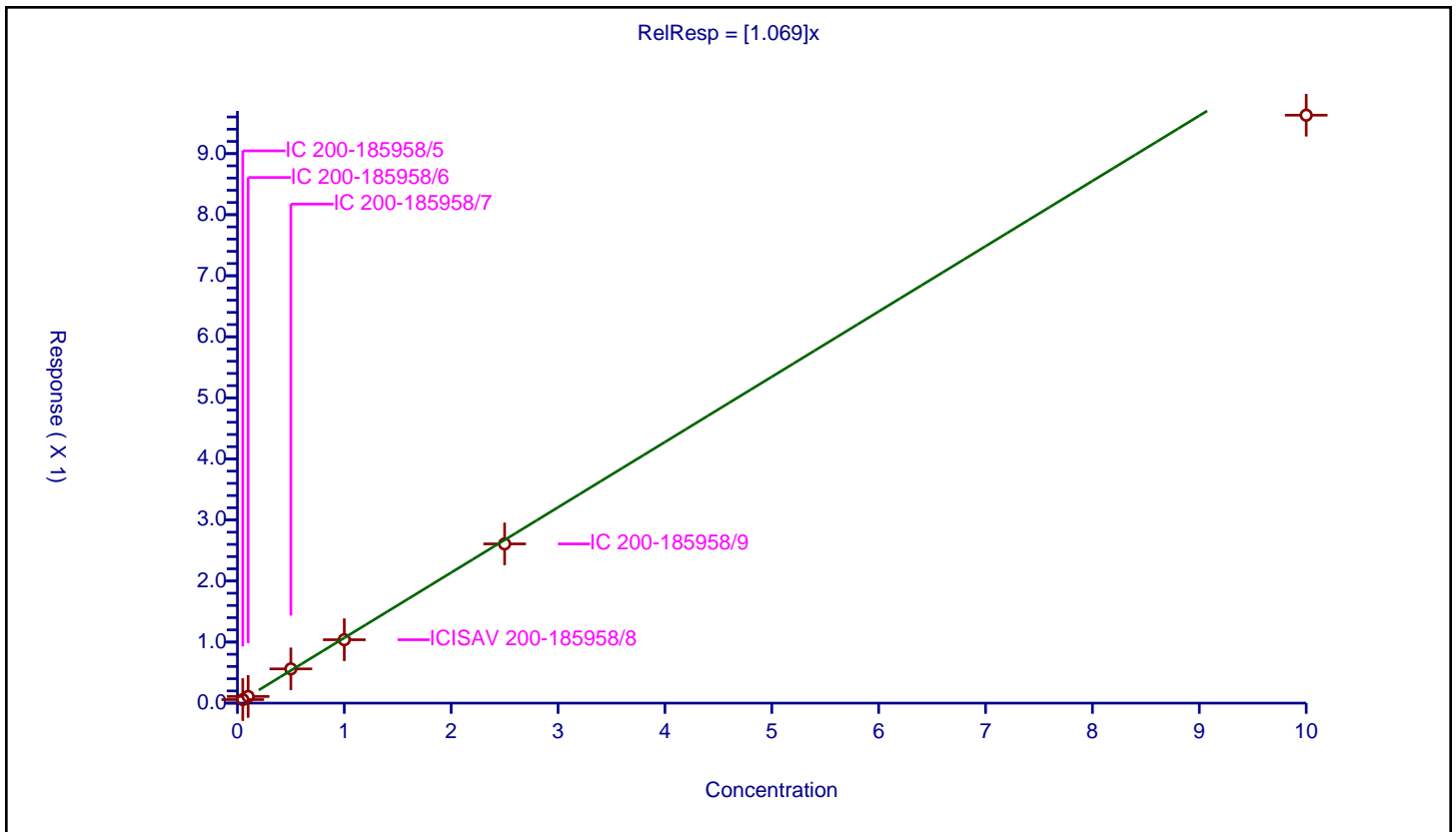
/ Perfluorooctanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.069

Error Coefficients	
Standard Error:	8010000
Relative Standard Error:	6.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.05	0.057928	1.25	2369880.0	1.158561	Y
2	IC 200-185958/6	0.1	0.10893	1.25	2369406.0	1.089303	Y
3	IC 200-185958/7	0.5	0.56085	1.25	2474245.0	1.1217	Y
4	ICISAV 200-185958/8	1.0	1.038544	1.25	2342274.0	1.038544	Y
5	IC 200-185958/9	2.5	2.607899	1.25	2522753.0	1.04316	Y
6	IC 200-185958/10	10.0	9.629585	1.25	2203793.0	0.962958	Y



Calibration

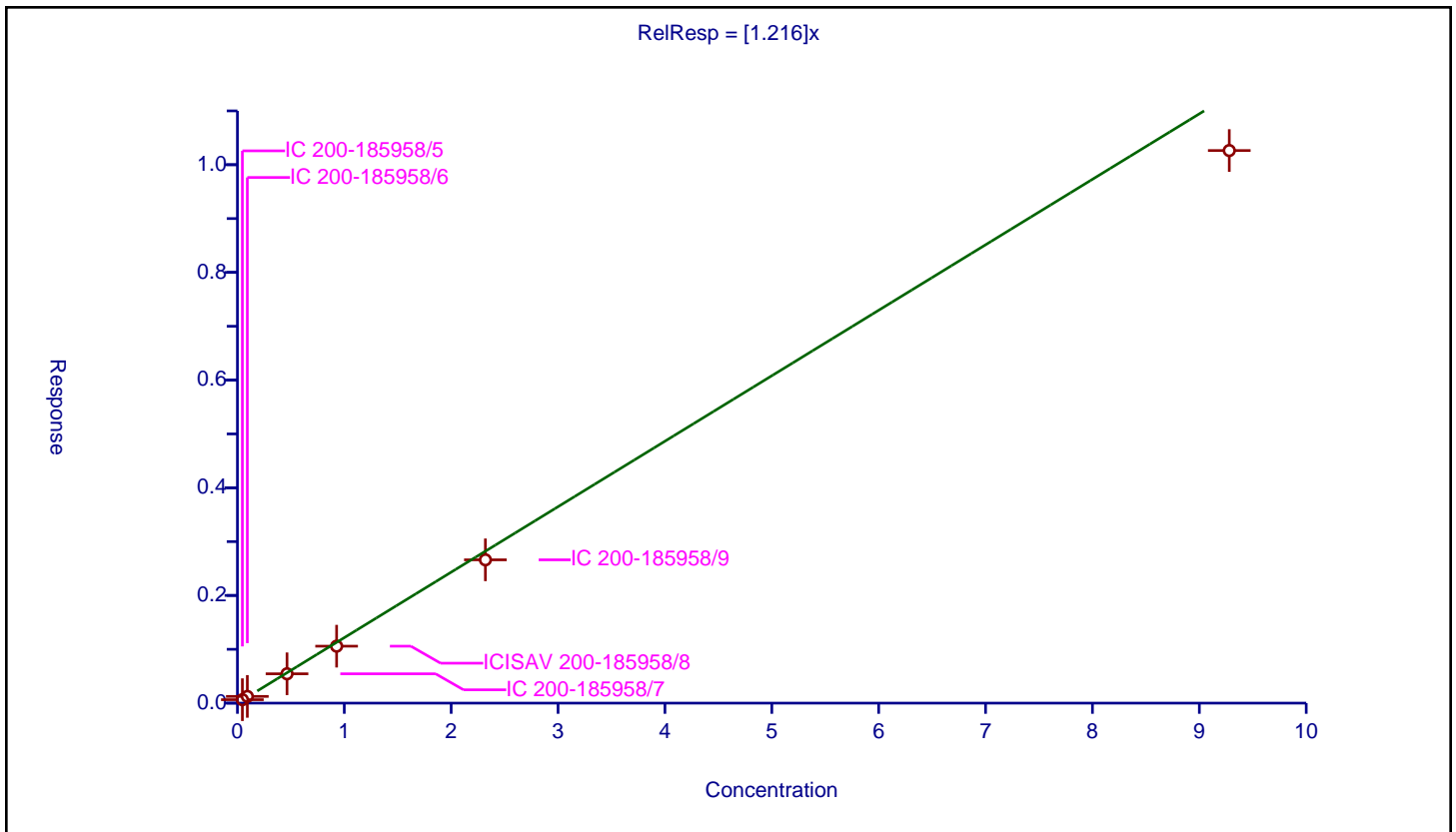
/ Perfluorooctanesulfonic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.216

Error Coefficients	
Standard Error:	3980000
Relative Standard Error:	9.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.0464	0.064237	1.195	989045.0	1.38442	Y
2	IC 200-185958/6	0.0928	0.124818	1.195	1010315.0	1.345026	Y
3	IC 200-185958/7	0.464	0.544794	1.195	1035061.0	1.174126	Y
4	ICISAV 200-185958/8	0.928	1.057996	1.195	967441.0	1.140082	Y
5	IC 200-185958/9	2.32	2.66153	1.195	1049764.0	1.147211	Y
6	IC 200-185958/10	9.28	10.263454	1.195	993714.0	1.105976	Y



Calibration

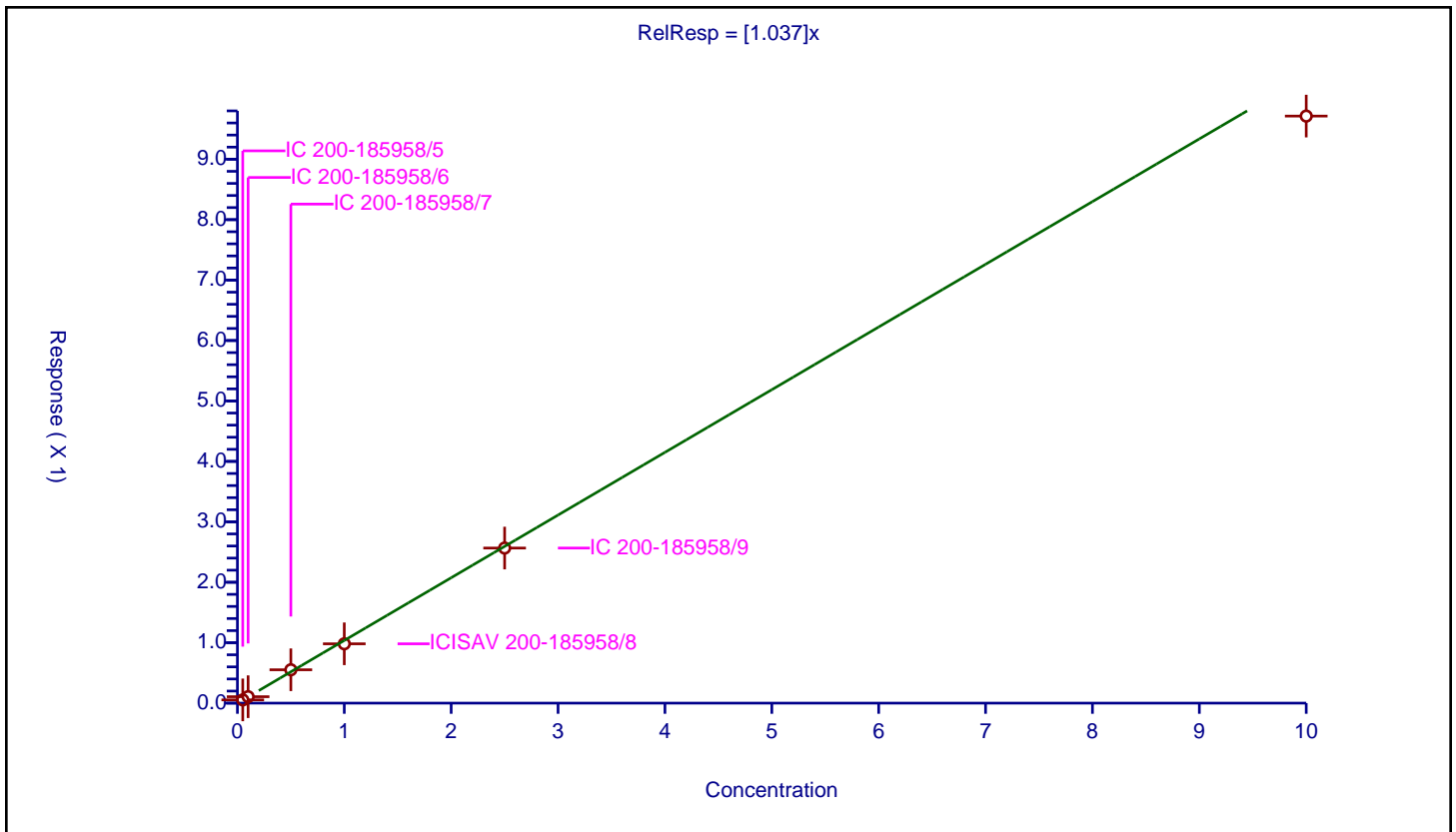
/ Perfluorononanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.037

Error Coefficients	
Standard Error:	7690000
Relative Standard Error:	5.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.05	0.053731	1.25	2280957.0	1.074615	Y
2	IC 200-185958/6	0.1	0.106615	1.25	2362013.0	1.066146	Y
3	IC 200-185958/7	0.5	0.551805	1.25	2379680.0	1.10361	Y
4	ICISAV 200-185958/8	1.0	0.981878	1.25	2356501.0	0.981878	Y
5	IC 200-185958/9	2.5	2.566207	1.25	2401890.0	1.026483	Y
6	IC 200-185958/10	10.0	9.713994	1.25	2102974.0	0.971399	Y



Calibration

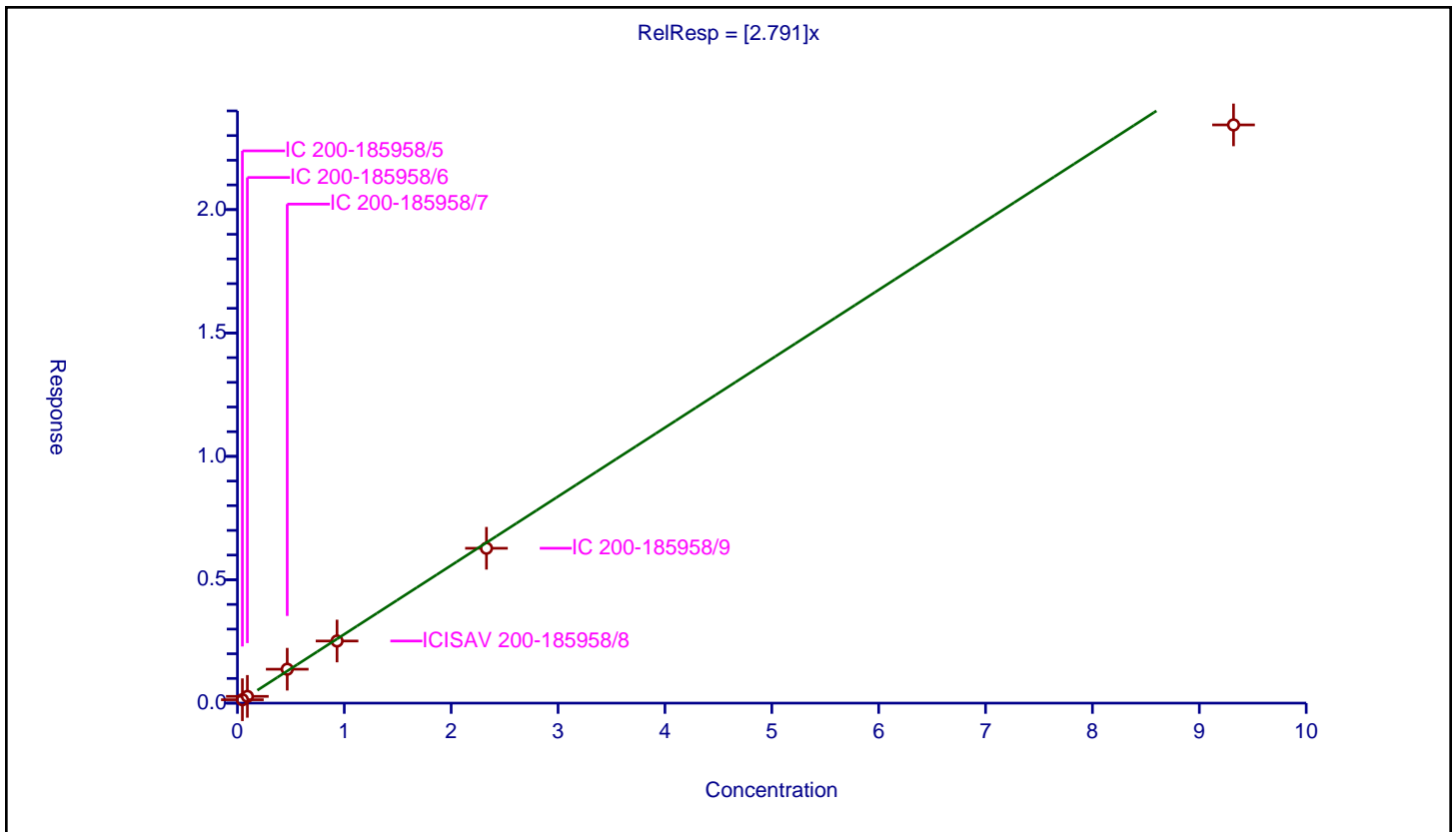
/ 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.791

Error Coefficients	
Standard Error:	9120000
Relative Standard Error:	6.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.0466	0.13781	1.195	989045.0	2.957301	Y
2	IC 200-185958/6	0.0932	0.273121	1.195	1010315.0	2.930487	Y
3	IC 200-185958/7	0.466	1.375015	1.195	1035061.0	2.950677	Y
4	ICISAV 200-185958/8	0.932	2.517272	1.195	967441.0	2.700935	Y
5	IC 200-185958/9	2.33	6.275684	1.195	1049764.0	2.693427	Y
6	IC 200-185958/10	9.32	23.431976	1.195	993714.0	2.514161	Y



Calibration

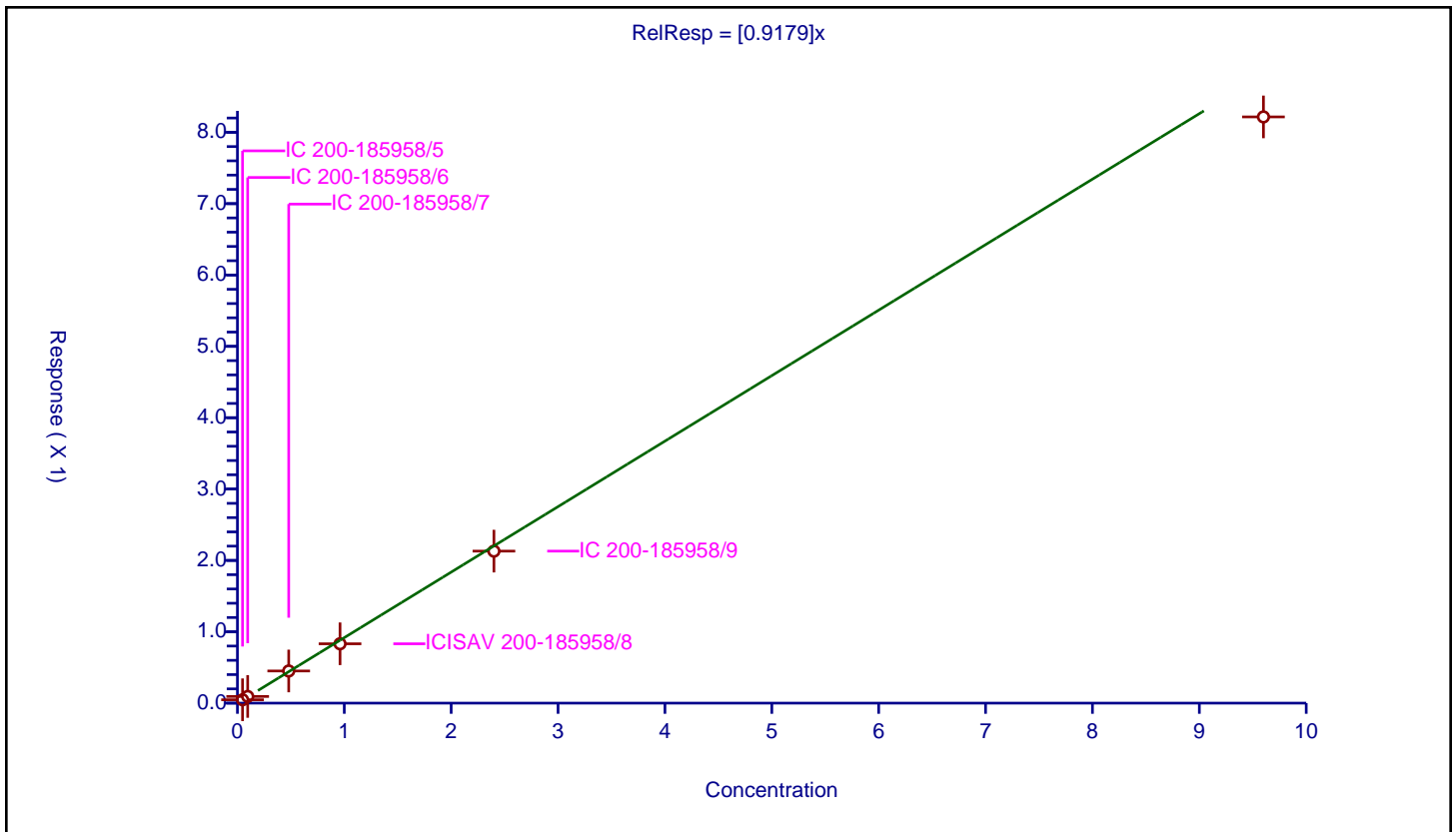
/ Perfluorononanesulfonic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.9179

Error Coefficients	
Standard Error:	3190000
Relative Standard Error:	6.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.048	0.04718	1.195	989045.0	0.982925	Y
2	IC 200-185958/6	0.096	0.093669	1.195	1010315.0	0.975723	Y
3	IC 200-185958/7	0.48	0.450766	1.195	1035061.0	0.939095	Y
4	ICISAV 200-185958/8	0.96	0.831668	1.195	967441.0	0.866321	Y
5	IC 200-185958/9	2.4	2.130194	1.195	1049764.0	0.887581	Y
6	IC 200-185958/10	9.6	8.215732	1.195	993714.0	0.855805	Y



Calibration

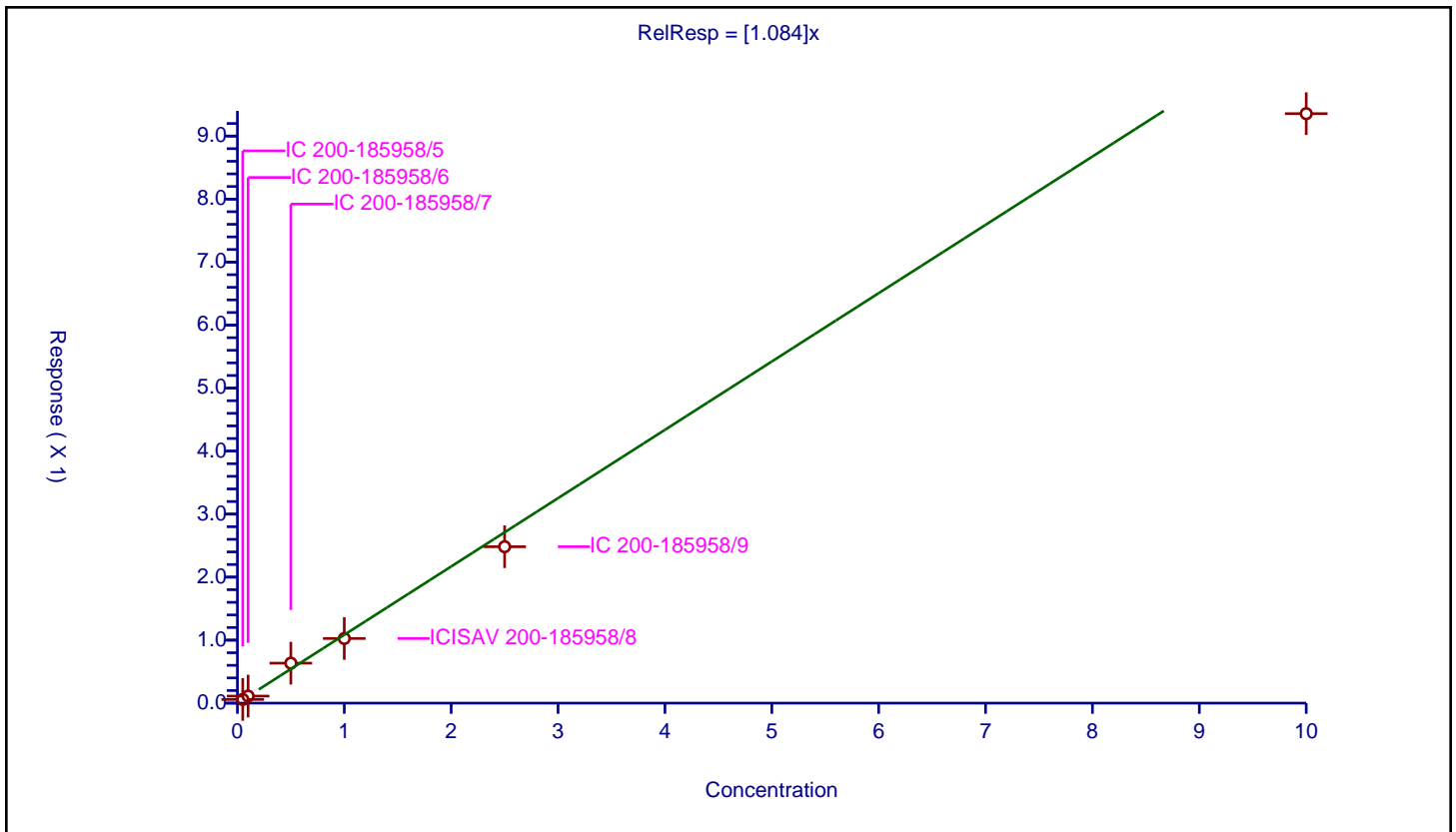
/ Perfluorodecanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.084

Error Coefficients	
Standard Error:	7850000
Relative Standard Error:	11.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.05	0.058304	1.25	2260154.0	1.166082	Y
2	IC 200-185958/6	0.1	0.11171	1.25	2439344.0	1.117098	Y
3	IC 200-185958/7	0.5	0.634421	1.25	2334094.0	1.268842	Y
4	ICISAV 200-185958/8	1.0	1.026097	1.25	2384612.0	1.026097	Y
5	IC 200-185958/9	2.5	2.482655	1.25	2491665.0	0.993062	Y
6	IC 200-185958/10	10.0	9.356046	1.25	2229691.0	0.935605	Y



Calibration

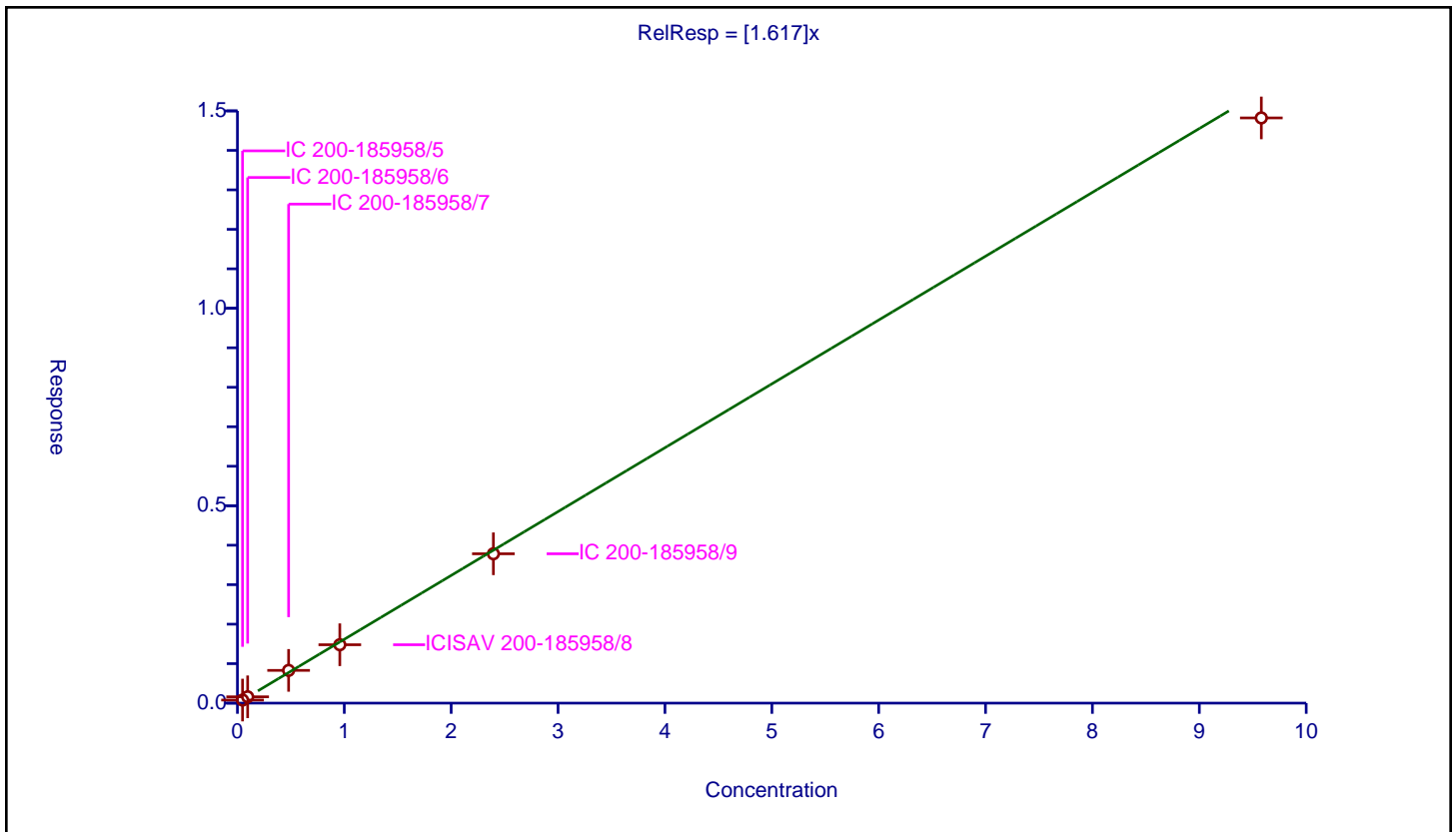
/ 1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.617

Error Coefficients	
Standard Error:	1610000
Relative Standard Error:	4.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.0479	0.07804	1.1975	306939.0	1.629233	Y
2	IC 200-185958/6	0.0958	0.159992	1.1975	307241.0	1.670065	Y
3	IC 200-185958/7	0.479	0.829647	1.1975	321045.0	1.732039	Y
4	ICISAV 200-185958/8	0.958	1.479261	1.1975	300249.0	1.544114	Y
5	IC 200-185958/9	2.395	3.782944	1.1975	321188.0	1.579517	Y
6	IC 200-185958/10	9.58	14.82207	1.1975	277266.0	1.547189	Y



Calibration

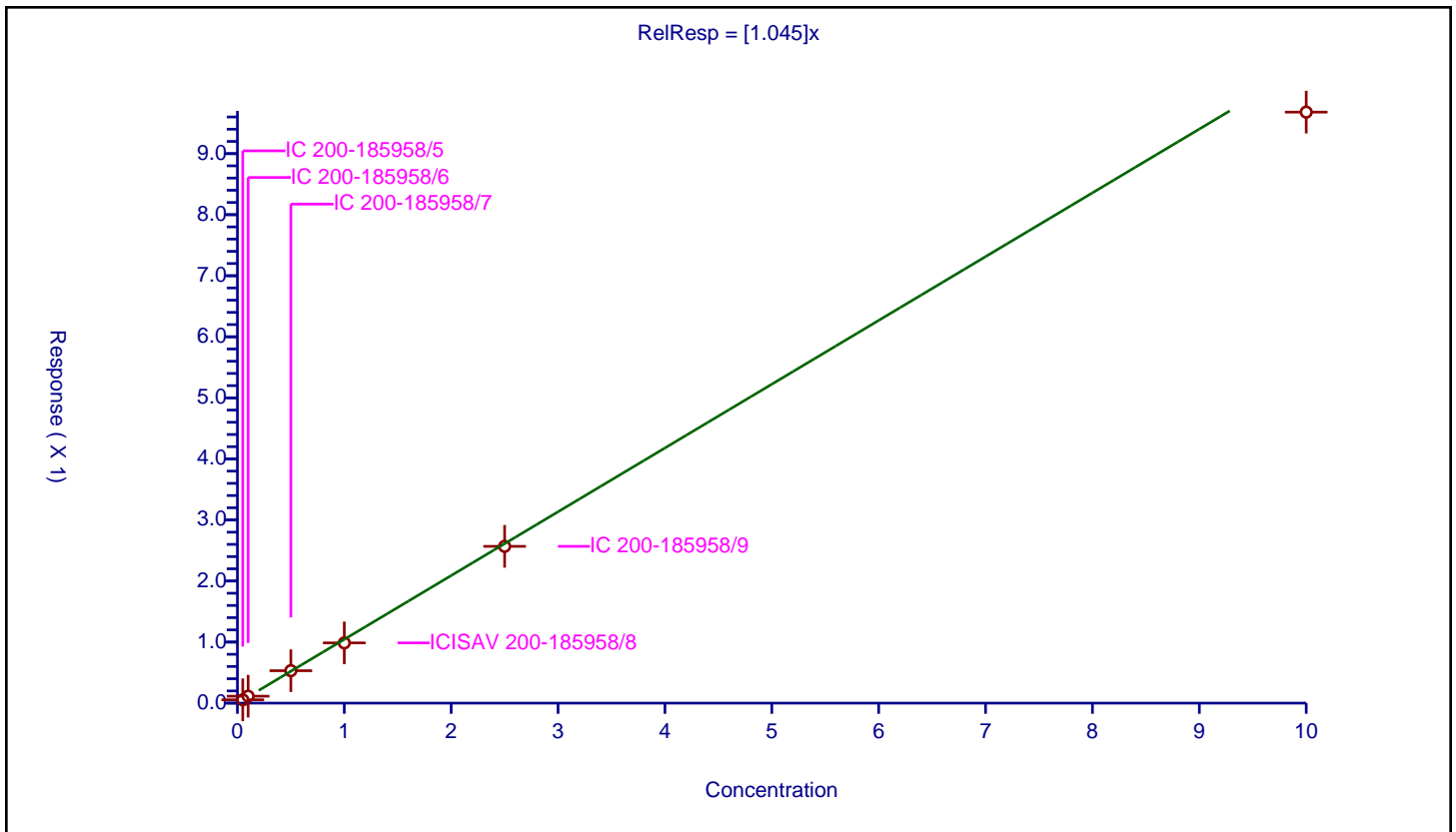
/ Perfluorooctanesulfonamide

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.045

Error Coefficients	
Standard Error:	6920000
Relative Standard Error:	6.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.05	0.054343	1.25	1923900.0	1.086868	Y
2	IC 200-185958/6	0.1	0.113824	1.25	1899612.0	1.138239	Y
3	IC 200-185958/7	0.5	0.53088	1.25	1967036.0	1.06176	Y
4	ICISAV 200-185958/8	1.0	0.986482	1.25	1879604.0	0.986482	Y
5	IC 200-185958/9	2.5	2.567614	1.25	1993351.0	1.027045	Y
6	IC 200-185958/10	10.0	9.680002	1.25	1914897.0	0.968	Y



Calibration

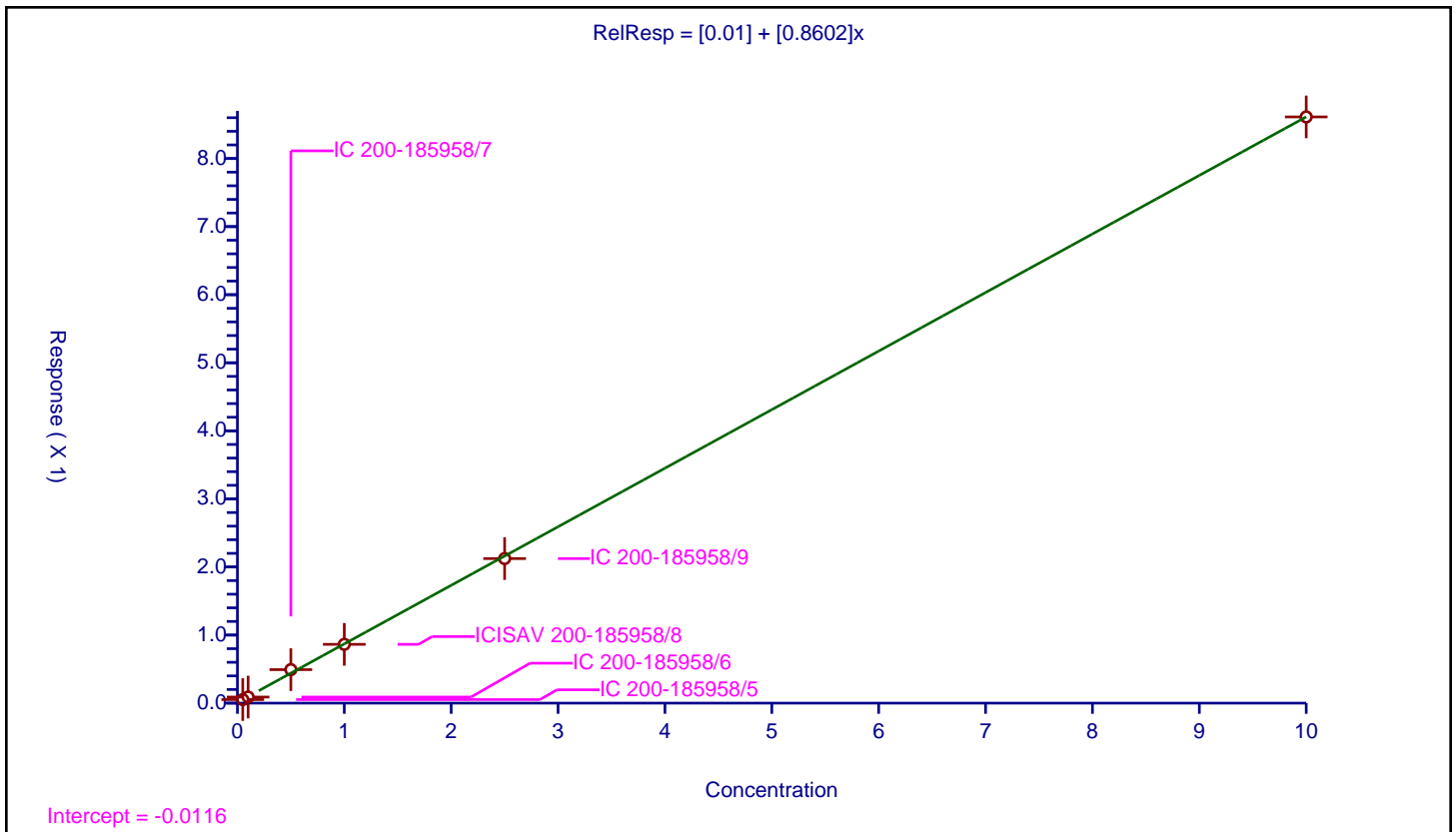
/ N-methylperfluorooctanesulfonamidoacetic acid

Curve Type: Linear
 Weighting: Conc
 Origin: None
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0.01
Slope:	0.8602

Error Coefficients	
Standard Error:	1720000
Relative Standard Error:	7.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.05	0.052273	1.25	467975.0	1.045462	Y
2	IC 200-185958/6	0.1	0.089246	1.25	478399.0	0.892456	Y
3	IC 200-185958/7	0.5	0.492116	1.25	466044.0	0.984231	Y
4	ICISAV 200-185958/8	1.0	0.863805	1.25	470154.0	0.863805	Y
5	IC 200-185958/9	2.5	2.12358	1.25	514239.0	0.849432	Y
6	IC 200-185958/10	10.0	8.611447	1.25	478582.0	0.861145	Y



Calibration

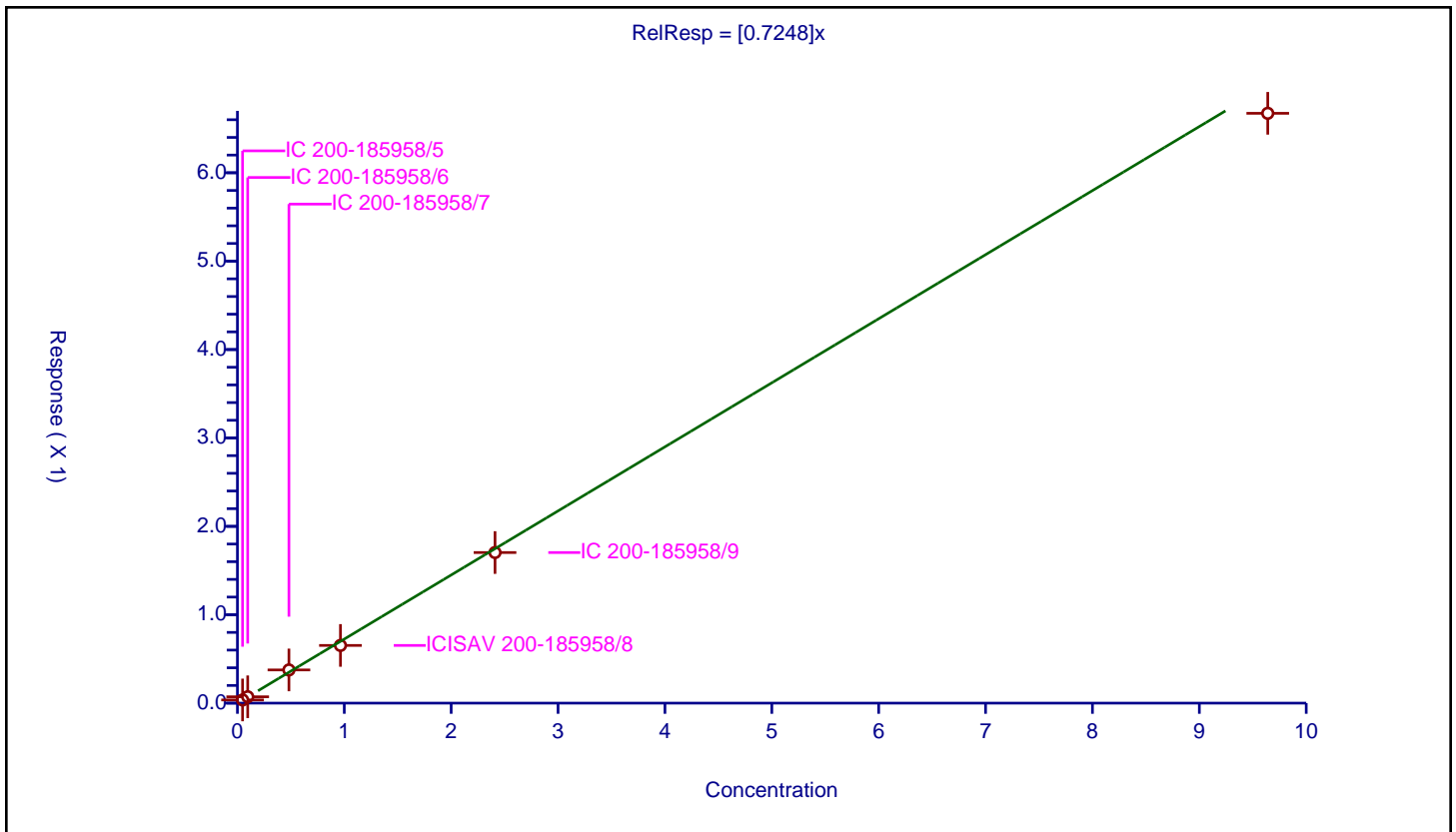
/ Perfluorodecanesulfonic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.7248

Error Coefficients	
Standard Error:	2590000
Relative Standard Error:	5.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.0482	0.036026	1.195	989045.0	0.747427	Y
2	IC 200-185958/6	0.0964	0.071876	1.195	1010315.0	0.745605	Y
3	IC 200-185958/7	0.482	0.375663	1.195	1035061.0	0.779383	Y
4	ICISAV 200-185958/8	0.964	0.652643	1.195	967441.0	0.677016	Y
5	IC 200-185958/9	2.41	1.703873	1.195	1049764.0	0.707001	Y
6	IC 200-185958/10	9.64	6.672602	1.195	993714.0	0.692179	Y



Calibration

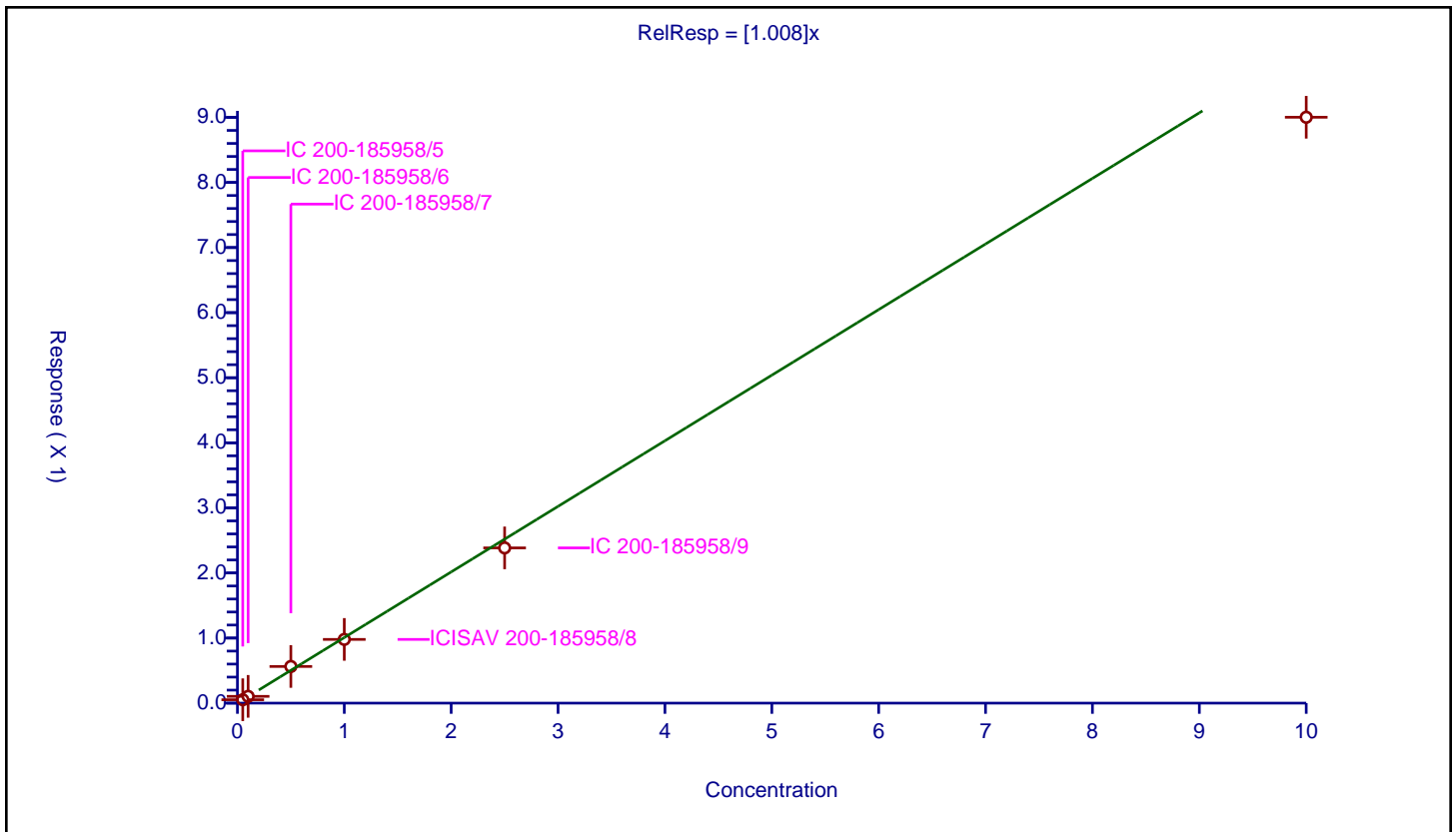
/ Perfluoroundecanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.008

Error Coefficients	
Standard Error:	6680000
Relative Standard Error:	7.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.05	0.052323	1.25	2191050.0	1.04645	Y
2	IC 200-185958/6	0.1	0.104069	1.25	2119319.0	1.040688	Y
3	IC 200-185958/7	0.5	0.563221	1.25	2230172.0	1.126441	Y
4	ICISAV 200-185958/8	1.0	0.97893	1.25	2183949.0	0.97893	Y
5	IC 200-185958/9	2.5	2.385205	1.25	2259671.0	0.954082	Y
6	IC 200-185958/10	10.0	9.002235	1.25	1967361.0	0.900224	Y



Calibration

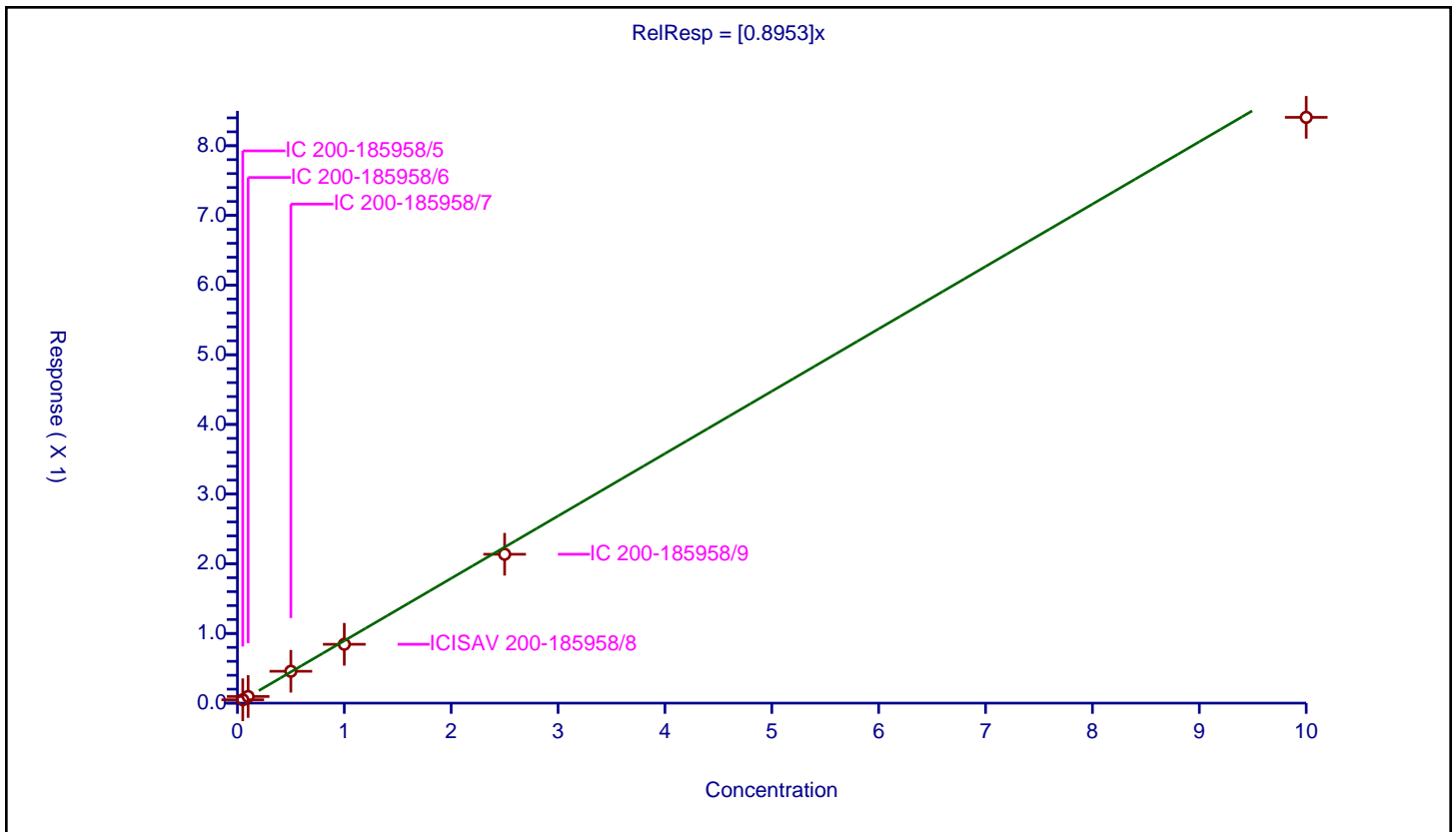
/ N-ethylperfluorooctanesulfonamidoacetic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.8953

Error Coefficients	
Standard Error:	1400000
Relative Standard Error:	6.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.05	0.048292	1.25	453643.0	0.965848	Y
2	IC 200-185958/6	0.1	0.095082	1.25	481823.0	0.950816	Y
3	IC 200-185958/7	0.5	0.457326	1.25	498173.0	0.914652	Y
4	ICISAV 200-185958/8	1.0	0.844741	1.25	460360.0	0.844741	Y
5	IC 200-185958/9	2.5	2.136762	1.25	496655.0	0.854705	Y
6	IC 200-185958/10	10.0	8.407446	1.25	444955.0	0.840745	Y



Calibration

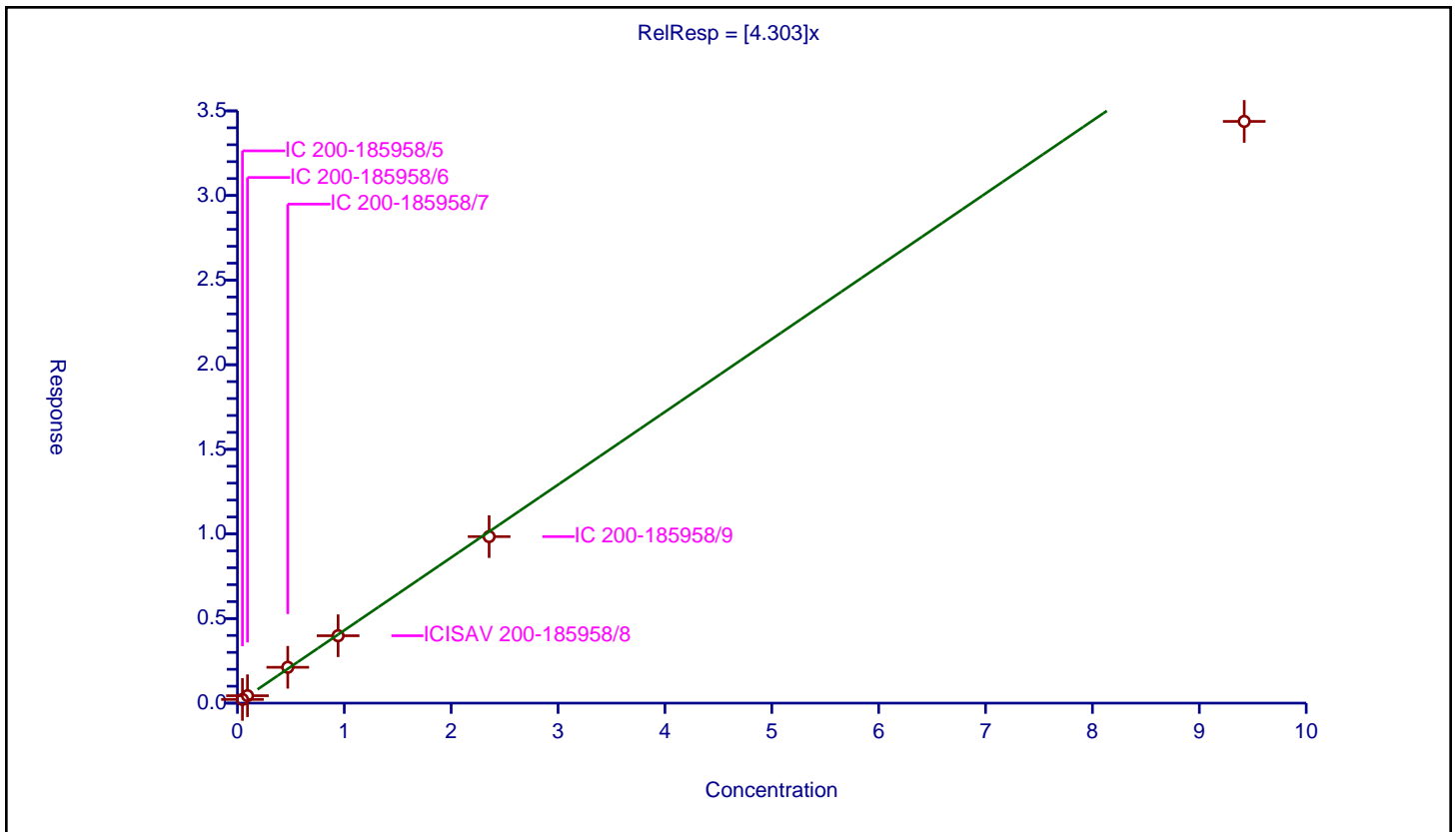
/ 11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	4.303

Error Coefficients	
Standard Error:	13500000
Relative Standard Error:	8.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.0471	0.217404	1.195	989045.0	4.615796	Y
2	IC 200-185958/6	0.0942	0.437852	1.195	1010315.0	4.648113	Y
3	IC 200-185958/7	0.471	2.1174	1.195	1035061.0	4.495542	Y
4	ICISAV 200-185958/8	0.942	3.982746	1.195	967441.0	4.227968	Y
5	IC 200-185958/9	2.355	9.840794	1.195	1049764.0	4.178681	Y
6	IC 200-185958/10	9.42	34.378522	1.195	993714.0	3.649525	Y



Calibration

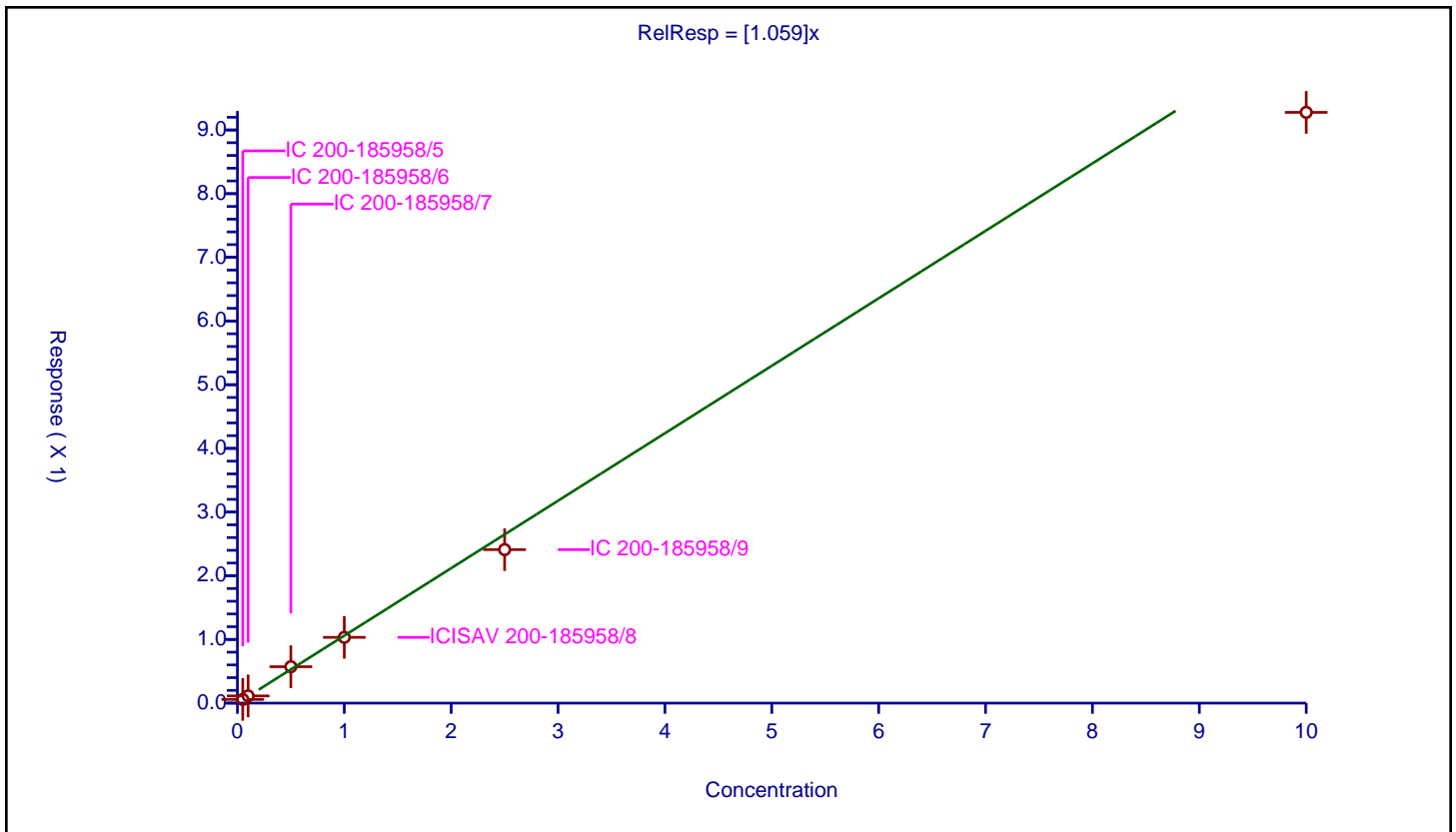
/ Perfluorododecanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.059

Error Coefficients	
Standard Error:	7330000
Relative Standard Error:	9.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.05	0.057802	1.25	2180352.0	1.15604	Y
2	IC 200-185958/6	0.1	0.11325	1.25	2150435.0	1.132498	Y
3	IC 200-185958/7	0.5	0.571786	1.25	2245926.0	1.143573	Y
4	ICISAV 200-185958/8	1.0	1.032719	1.25	2161023.0	1.032719	Y
5	IC 200-185958/9	2.5	2.410578	1.25	2344331.0	0.964231	Y
6	IC 200-185958/10	10.0	9.277066	1.25	2103698.0	0.927707	Y



Calibration

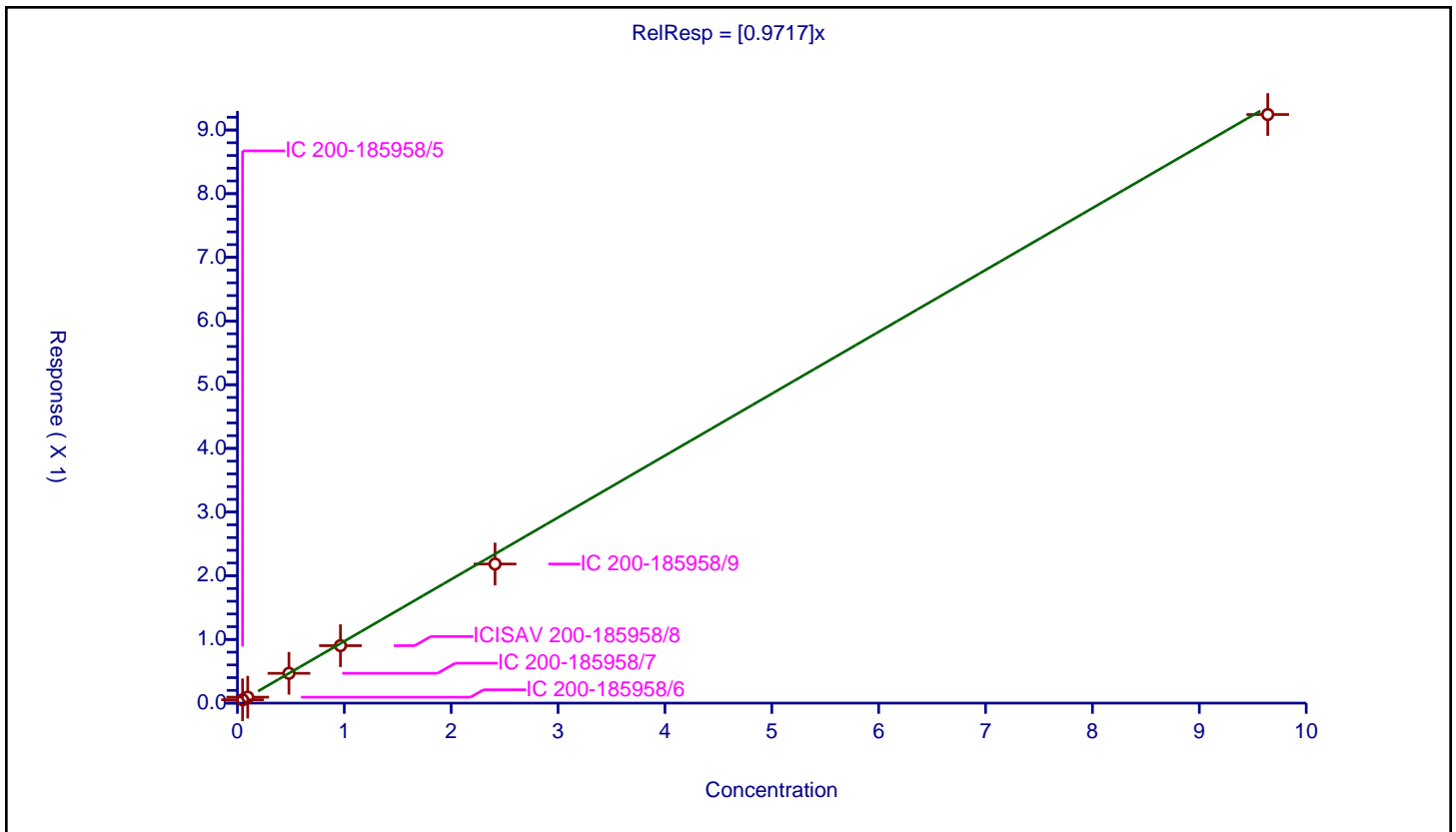
/ 1H,1H,2H,2H-perfluorododecanesulfonic acid (10:2)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.9717

Error Coefficients	
Standard Error:	999000
Relative Standard Error:	6.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.0482	0.052377	1.1975	306939.0	1.086653	Y
2	IC 200-185958/6	0.0964	0.093562	1.1975	307241.0	0.970557	Y
3	IC 200-185958/7	0.482	0.468291	1.1975	321045.0	0.971558	Y
4	ICISAV 200-185958/8	0.964	0.902429	1.1975	300249.0	0.93613	Y
5	IC 200-185958/9	2.41	2.184386	1.1975	321188.0	0.906384	Y
6	IC 200-185958/10	9.64	9.24351	1.1975	277266.0	0.95887	Y



Calibration

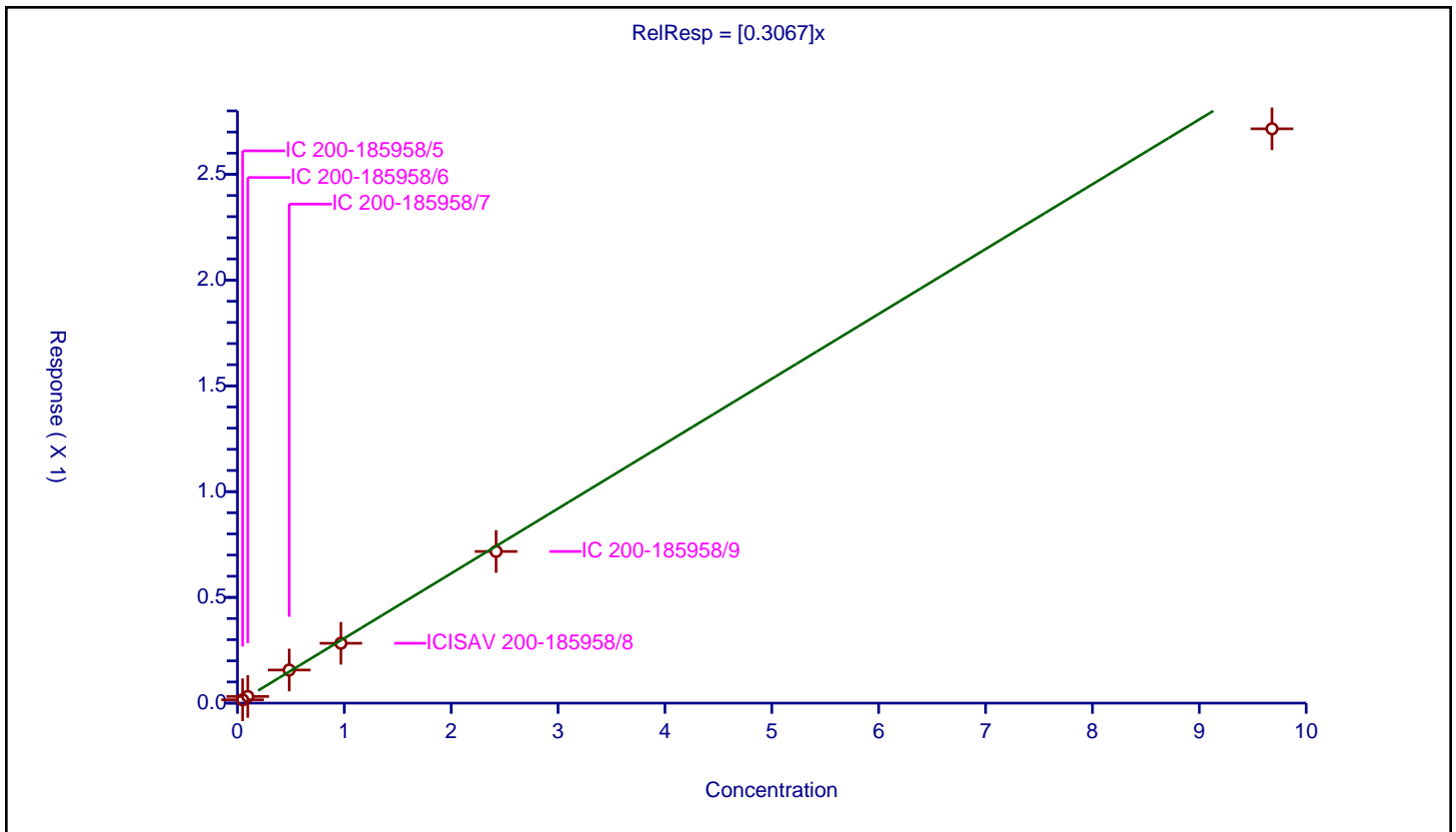
/ Perfluorododecanesulfonic acid (PFDoS)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.3067

Error Coefficients	
Standard Error:	1060000
Relative Standard Error:	6.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.0484	0.015619	1.195	989045.0	0.322704	Y
2	IC 200-185958/6	0.0968	0.031406	1.195	1010315.0	0.324439	Y
3	IC 200-185958/7	0.484	0.156619	1.195	1035061.0	0.323593	Y
4	ICISAV 200-185958/8	0.968	0.283004	1.195	967441.0	0.29236	Y
5	IC 200-185958/9	2.42	0.717039	1.195	1049764.0	0.296297	Y
6	IC 200-185958/10	9.68	2.715386	1.195	993714.0	0.280515	Y



Calibration

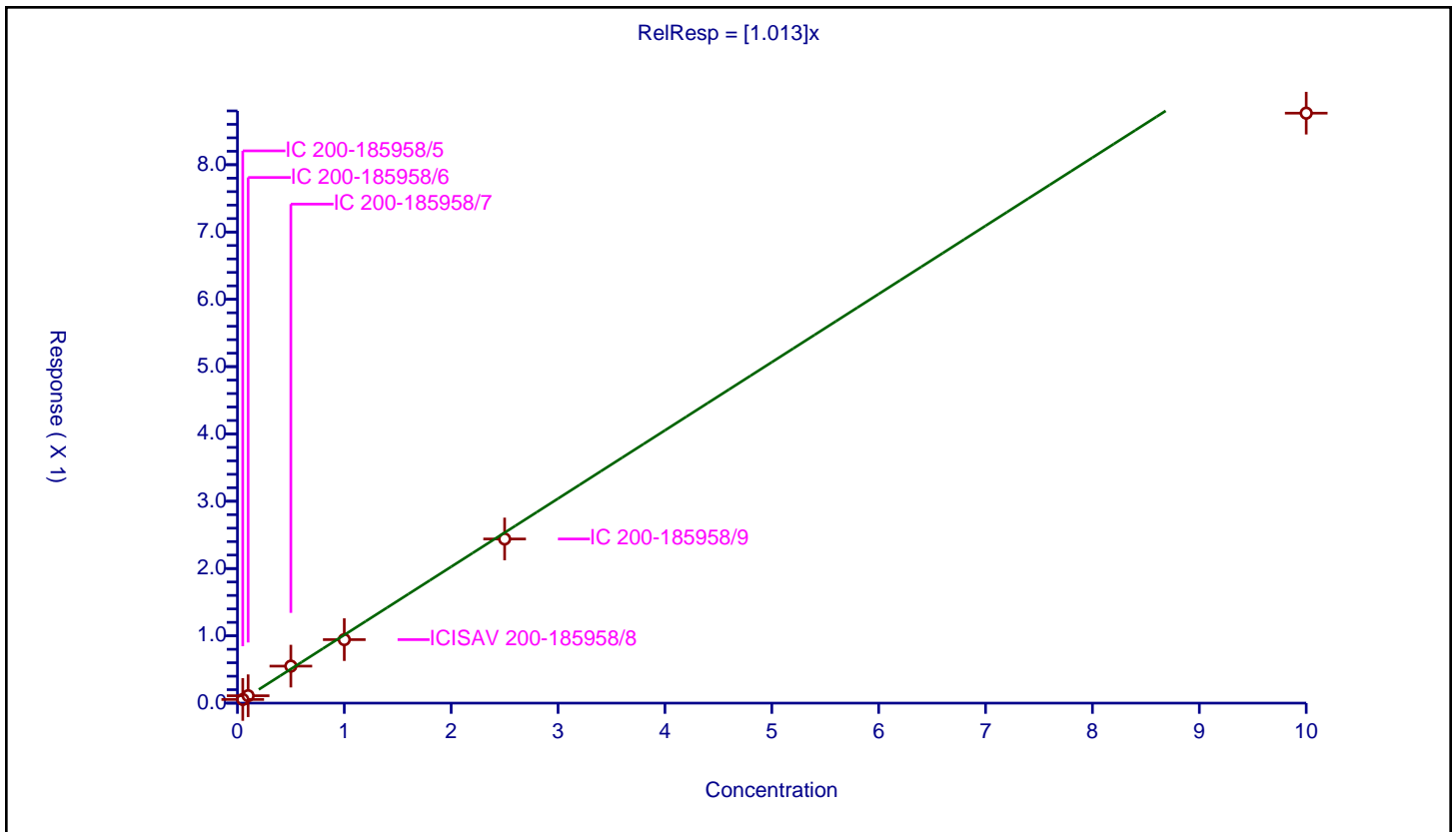
/ Perfluorotridecanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.013

Error Coefficients	
Standard Error:	6960000
Relative Standard Error:	9.3
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.05	0.05424	1.25	2180352.0	1.084802	Y
2	IC 200-185958/6	0.1	0.109896	1.25	2150435.0	1.098958	Y
3	IC 200-185958/7	0.5	0.549705	1.25	2245926.0	1.099411	Y
4	ICISAV 200-185958/8	1.0	0.943826	1.25	2161023.0	0.943826	Y
5	IC 200-185958/9	2.5	2.439331	1.25	2344331.0	0.975733	Y
6	IC 200-185958/10	10.0	8.7664	1.25	2103698.0	0.87664	Y



Calibration

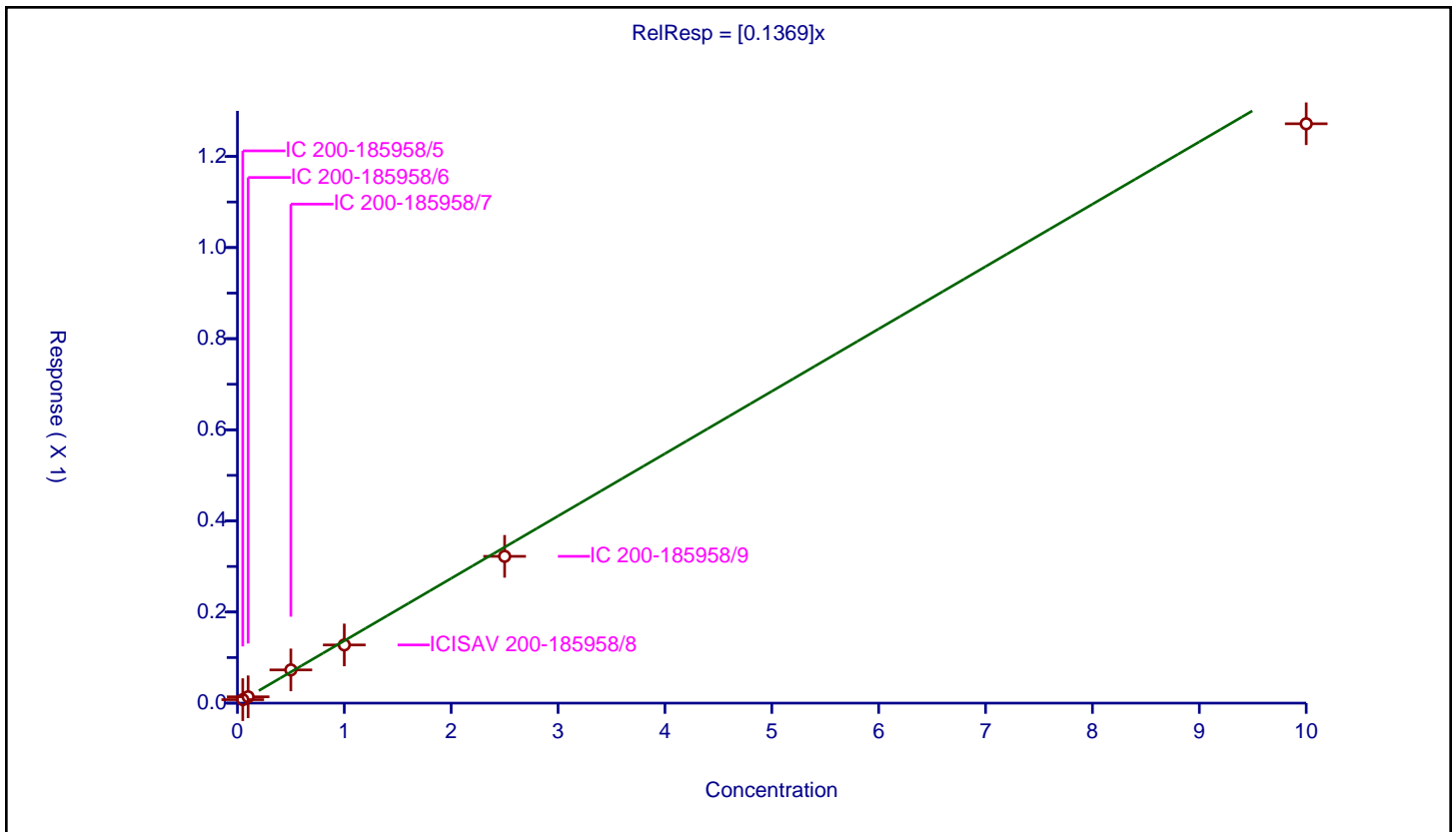
/ Perfluorotetradecanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.1369

Error Coefficients	
Standard Error:	849000
Relative Standard Error:	7.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.05	0.007633	1.25	1883348.0	0.152654	Y
2	IC 200-185958/6	0.1	0.01391	1.25	1938056.0	0.139102	Y
3	IC 200-185958/7	0.5	0.072927	1.25	1947280.0	0.145853	Y
4	ICISAV 200-185958/8	1.0	0.127733	1.25	1844360.0	0.127733	Y
5	IC 200-185958/9	2.5	0.322232	1.25	2014799.0	0.128893	Y
6	IC 200-185958/10	10.0	1.271781	1.25	1782548.0	0.127178	Y



Calibration

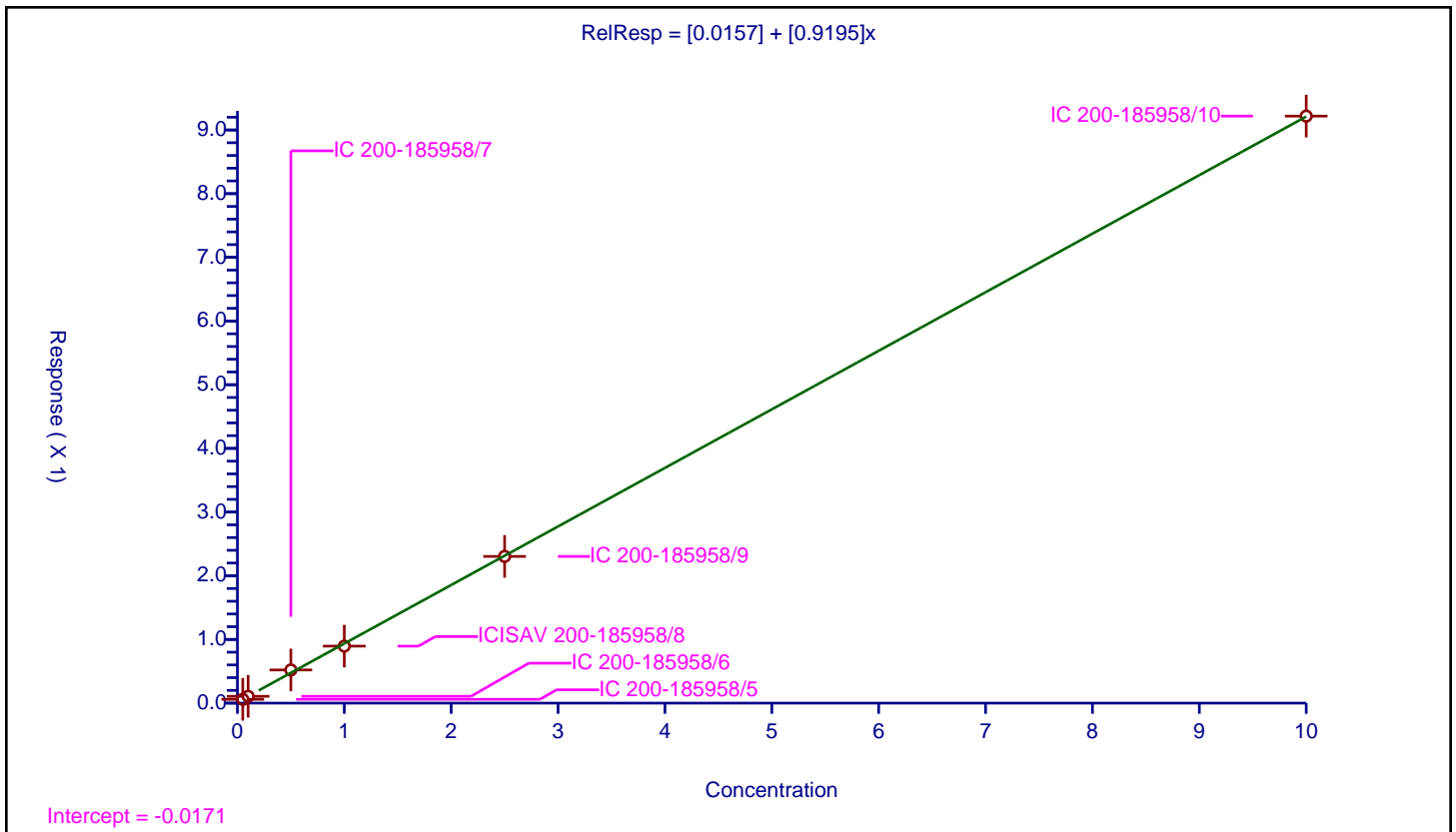
/ Perfluorohexadecanoic acid

Curve Type: Linear
 Weighting: Conc
 Origin: None
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0.0157
Slope:	0.9195

Error Coefficients	
Standard Error:	8460000
Relative Standard Error:	5.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.05	0.059483	1.25	2380608.0	1.189665	Y
2	IC 200-185958/6	0.1	0.107268	1.25	2401907.0	1.072684	Y
3	IC 200-185958/7	0.5	0.521042	1.25	2348434.0	1.042085	Y
4	ICISAV 200-185958/8	1.0	0.895292	1.25	2280992.0	0.895292	Y
5	IC 200-185958/9	2.5	2.303983	1.25	2500657.0	0.921593	Y
6	IC 200-185958/10	10.0	9.21816	1.25	2191999.0	0.921816	Y



Calibration

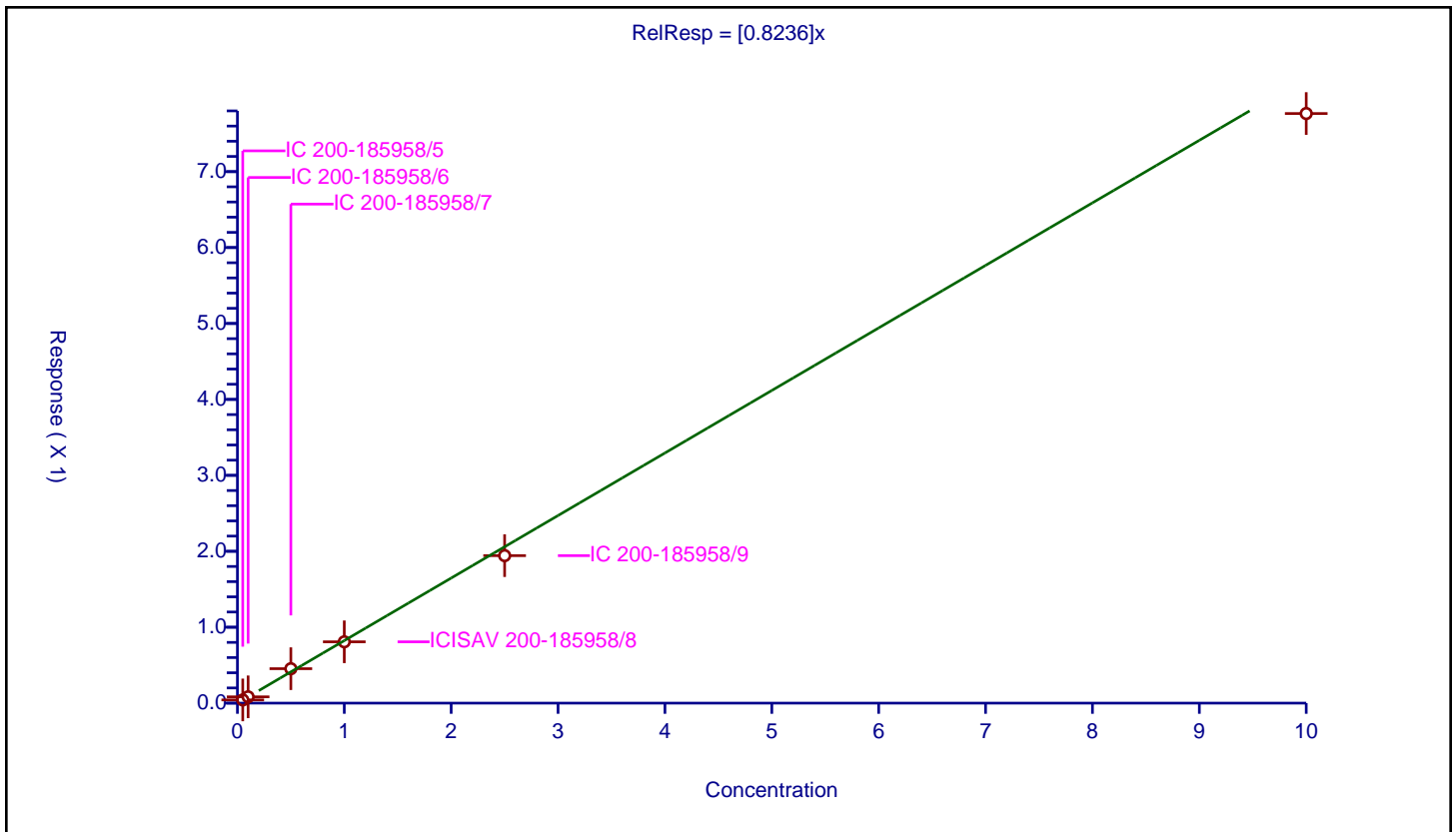
/ Perfluorooctadecanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.8236

Error Coefficients	
Standard Error:	6380000
Relative Standard Error:	6.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.05	0.0422	1.25	2380608.0	0.843997	Y
2	IC 200-185958/6	0.1	0.082935	1.25	2401907.0	0.829346	Y
3	IC 200-185958/7	0.5	0.453549	1.25	2348434.0	0.907098	Y
4	ICISAV 200-185958/8	1.0	0.807566	1.25	2280992.0	0.807566	Y
5	IC 200-185958/9	2.5	1.942487	1.25	2500657.0	0.776995	Y
6	IC 200-185958/10	10.0	7.765225	1.25	2191999.0	0.776522	Y



FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Lab Sample ID: ICV 200-185958/12 Calibration Date: 11/18/2022 15:27
 Instrument ID: LC812 Calib Start Date: 11/18/2022 14:29
 GC Column: C-18 ID: 4.60 (mm) Calib End Date: 11/18/2022 15:10
 Lab File ID: PA221118ICAL12.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	1.031	1.051		1.02	1.00	1.9	30.0
Perfluoropentanoic acid (PFPeA)	AveID	1.090	1.160		1.08	1.01	6.4	30.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.144	1.119		0.978	1.00	-2.2	30.0
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	3.081	3.259		1.06	1.00	5.8	30.0
Perfluorohexanoic acid (PFHxA)	AveID	1.090	1.094		1.01	1.01	0.4	30.0
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.335	1.467		1.10	1.00	9.8	30.0
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.056	1.116		1.07	1.01	5.7	30.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.129	1.181		1.06	1.01	4.6	30.0
Perfluoroheptanoic acid (PFHpA)	AveID	1.089	1.047		0.962	1.00	-3.8	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	5.507	5.802		1.05	1.00	5.4	30.0
6:2 FTS	L1ID		2.267		1.06	1.00	6.1	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.397	1.443		1.03	1.00	3.3	30.0
Perfluorooctanoic acid (PFOA)	AveID	1.069	1.093		1.02	1.00	2.3	30.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.216	1.026		0.852	1.01	-15.7	30.0
Perfluorononanoic acid (PFNA)	AveID	1.037	1.136		1.10	1.00	9.5	30.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	AveID	2.791	2.843		1.02	1.00	1.9	30.0
Perfluorononanesulfonic acid (PFNS)	AveID	0.9179	0.9153		1.01	1.01	-0.3	30.0
Perfluorodecanoic acid (PFDA)	AveID	1.084	1.085		1.00	1.00	0.0	30.0
8:2 FTS	AveID	1.617	1.762		1.10	1.01	9.0	30.0
Perfluorooctanesulfonamide (FOSA)	AveID	1.045	1.021		0.977	1.00	-2.3	30.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	L1ID		0.9586		1.10	1.00	10.3	30.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.7248	0.7477		1.04	1.01	3.2	30.0
Perfluoroundecanoic acid (PFUnA)	AveID	1.008	0.9695		0.962	1.00	-3.8	30.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.8953	0.9331		1.04	1.00	4.2	30.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF)	AveID	4.303	4.451		1.04	1.00	3.5	30.0
Perfluorododecanoic acid (PFDoA)	AveID	1.059	1.035		0.977	1.00	-2.3	30.0
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	AveID	0.9717	0.8818		0.875	0.964	-9.3	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.3067	0.2712		0.856	0.968	-11.6	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Lab Sample ID: ICV 200-185958/12 Calibration Date: 11/18/2022 15:27
 Instrument ID: LC812 Calib Start Date: 11/18/2022 14:29
 GC Column: C-18 ID: 4.60 (mm) Calib End Date: 11/18/2022 15:10
 Lab File ID: PA221118ICAL12.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorotridecanoic acid (PFTriA)	AveID	1.013	0.9240		0.912	1.00	-8.8	30.0
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1369	0.1516		1.11	1.00	10.7	30.0
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		0.8295		0.885	1.00	-11.5	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.8236	0.7059		0.857	1.00	-14.3	30.0
13C4 PFBA	Ave	1.122	0.9202		1.03	1.25	-18.0	50.0
13C5 PFPeA	Ave	0.8543	0.7101		1.04	1.25	-16.9	50.0
13C3 PFBS	Ave	0.9281	0.7971		0.998	1.16	-14.1	50.0
M2-4:2 FTS	Ave	0.0820	0.0686		0.977	1.17	-16.3	50.0
13C2 PFHxA	Ave	0.8951	0.7748		1.08	1.25	-13.4	50.0
13C3 HFPO-DA	Ave	0.1580	0.1330		1.05	1.25	-15.8	50.0
18O2 PFHxS	Ave	0.6761	0.5654		0.989	1.18	-16.4	50.0
13C4 PFHpA	Ave	0.9206	0.7694		1.05	1.25	-16.4	50.0
M2-6:2 FTS	Ave	0.1134	0.0945		0.989	1.19	-16.7	50.0
13C4 PFOA	Ave	1.035	0.8655		1.05	1.25	-16.4	50.0
13C4 PFOS	Ave	0.4588	0.3894		1.01	1.20	-15.1	50.0
13C5 PFNA	Ave	1.006	0.8541		1.06	1.25	-15.1	50.0
13C2 PFDA	Ave	1.025	0.9007		1.10	1.25	-12.1	50.0
M2-8:2 FTS	Ave	0.1387	0.1166		1.01	1.20	-16.0	50.0
13C8 FOSA	Ave	0.8403	0.7085		1.05	1.25	-15.7	50.0
d3-NMeFOSAA	Ave	0.2087	0.1754		1.05	1.25	-15.9	50.0
13C2 PFUnA	Ave	0.9385	0.7727		1.03	1.25	-17.7	50.0
d5-NEtFOSAA	Ave	0.2055	0.1778		1.08	1.25	-13.5	50.0
13C2 PFDoA	Ave	0.9562	0.8116		1.06	1.25	-15.1	50.0
13C2 PFTeDA	Ave	0.8270	0.7097		1.07	1.25	-14.2	50.0
13C2 PFHxDA	Ave	1.022	0.9092		1.11	1.25	-11.1	50.0

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 18-Nov-2022 15:27:08 ALS Bottle#: 9 Worklist Smp#: 12
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: ICV
 Misc. Info.: 200-0053396-012 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist:

Method: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 21-Nov-2022 08:34:01 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1621

First Level Reviewer: Z1IP Date: 18-Nov-2022 15:40:06

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										M
217.00 > 172.00	2.076	2.076	0.0	0.602	2670376	1.03		82.0	5679	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.076	2.076	0.0	1.000	2244563	1.02			201	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.387	2.387	0.0	0.692	2060643	1.04		83.1	4220	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.387	2.387	0.0	1.000	1931131	1.07			51.6	M
D 47 13C3 PFBS										
301.90 > 80.00	2.400	2.400	0.0	0.696	2151403	1.00		85.9	366569	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.400	2.400	0.0	1.000	2070709	0.9780	Target=2.09		2506	M
298.90 > 99.00	2.400	2.400	0.0	1.000	975791		2.12(1.04-3.13)		774	
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.701	2.689	0.012	1.000	519266	1.06			2152	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.701	2.689	0.012	0.783	186032	0.9770		83.7	221	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.725	2.725	0.0	0.790	2248529	1.08		86.6	4586	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.725	2.725	0.0	1.000	1986916	1.01	Target=14.25		367	M
313.00 > 119.00	2.725	2.725	0.0	1.000	140975		14.09(7.12-21.37)		245	M
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.737	2.737	0.0	0.887	1925334	1.10	Target=3.04		2369	M
349.00 > 99.00	2.737	2.737	0.0	0.887	614001		3.14(1.52-4.56)		1153	
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.835	2.835	0.0	1.000	348107	1.07			2459	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.835	2.835	0.0	0.822	385915	1.05		84.2	3630	
D 11 18O2 PFHxS										
403.00 > 84.00	3.088	3.088	0.0	0.896	1552107	0.9887		83.6	4490	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.088	3.088	0.0	1.000	1565688	1.06	Target=3.66		1350	M
399.00 > 99.00	3.088	3.088	0.0	1.000	416511		3.76(1.83-5.49)		495	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.099	3.099	0.0	0.899	2232924	1.04		83.6	5810	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.099	3.099	0.0	1.000	1870498	0.9617	Target=3.97		389	
363.00 > 169.00	3.099	3.099	0.0	1.000	511272		3.66(1.98-5.95)		1195	
77 DONA										
377.00 > 251.00	3.132	3.132	0.0	0.832	5246009	1.05	Target=3.16		4174	
377.00 > 85.00	3.132	3.132	0.0	0.832	1647134		3.18(1.58-4.73)		2385	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.439	3.439	0.0	0.997	260442	0.9894		83.3	864	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.439	3.439	0.0	1.000	497227	1.06			1080	M
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.439	3.439	0.0	0.914	1304864	1.03	Target=5.14		2018	M
449.00 > 99.00	3.439	3.439	0.0	0.914	252176		5.17(2.57-7.72)		1072	M
D 14 13C4 PFOA										
417.00 > 372.00	3.448	3.448	0.0	1.000	2511617	1.05		83.6	5014	
* 62 13C2 PFOA										
415.00 > 370.00	3.448	3.448	0.0		2902090	1.25			4497	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.448	3.448	0.0	1.000	2197145	1.02	Target=2.79		168	M
413.00 > 169.00	3.448	3.448	0.0	1.000	773803		2.84(1.40-4.19)		836	M
D 18 13C4 PFOS										
503.00 > 80.00	3.764	3.764	0.0	1.092	1080464	1.01		84.9	3142	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.764	3.764	0.0	1.000	936613	0.8518	Target=5.11		242	M
499.00 > 99.00	3.764	3.764	0.0	1.000	204498		4.58(2.55-7.66)		186	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.783	3.783	0.0	1.000	2253063	1.10	Target=8.55		488	
463.00 > 169.00	3.783	3.783	0.0	1.000	255525		8.82(4.28-12.83)		1449	
D 19 13C5 PFNA										
468.00 > 423.00	3.783	3.783	0.0	1.097	2478667	1.06		84.9	10218	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.928	3.928	0.0	1.044	2570823	1.02			4667	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.061	4.050	0.011	1.079	835829	1.01	Target=2.53		3263	
549.00 > 99.00	4.061	4.050	0.011	1.079	326669		2.56(1.27-3.80)		1661	
D 23 13C2 PFDA										
515.00 > 470.00	4.081	4.081	0.0	1.184	2613997	1.10		87.9	7780	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.081	4.081	0.0	1.000	2269026	1.00	Target=10.26	791		M
513.00 > 169.00	4.081	4.081	0.0	1.000	227346		9.98(5.13-15.38)	386		
D 26 M2-8:2 FTS										
529.00 > 81.00	4.093	4.093	0.0	1.187	324039	1.01		84.0	1254	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.093	4.093	0.0	1.000	481604	1.10			1586	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.150	4.150	0.0	1.000	1679557	0.9774			2056	
D 21 13C8 FOSA										M
506.00 > 78.00	4.150	4.150	0.0	1.204	2056044	1.05		84.3	1897	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.228	4.228	0.0	1.226	509127	1.05		84.1	760	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.238	4.228	0.010	1.002	390455	1.10			500	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.331	4.331	0.0	1.151	682801	1.04	Target=2.51		3633	
599.00 > 99.00	4.331	4.331	0.0	1.151	261561		2.61(1.25-3.76)		1945	
D 30 13C2 PFUnA										
565.00 > 520.00	4.353	4.353	0.0	1.263	2242424	1.03		82.3	3383	
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.353	4.353	0.0	1.000	1739241	0.9620	Target=9.88		468	M
563.00 > 169.00	4.353	4.353	0.0	1.000	177599		9.79(4.94-14.82)		266	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.376	4.365	0.011	1.003	385250	1.04			836	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.365	4.365	0.0	1.266	516078	1.08		86.5	1182	
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.454	4.454	0.0	1.183	4024467	1.03			8552	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.591	4.591	0.0	1.000	1949526	0.9766	Target=7.77		130	M
613.00 > 169.00	4.602	4.591	0.011	1.002	268146		7.27(3.89-11.66)		673	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.591	4.591	0.0	1.332	2355331	1.06		84.9	2733	
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.612	4.612	0.0	1.127	230011	0.8748			916	M
75 Perfluorododecanesulfonic acid (M
699.00 > 80.00	4.776	4.776	0.0	1.269	237361	0.8561	Target=0.50		2013	M
699.00 > 99.00	4.776	4.776	0.0	1.269	476521		0.50(0.25-0.76)		3025	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.813	4.804	0.009	1.048	1741096	0.9120	Target=5.21		114	M
663.00 > 169.00	4.813	4.804	0.009	1.048	325181		5.35(2.60-7.81)		282	M
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.012	5.012	0.0	1.000	249797	1.11	Target=0.89		753	
713.00 > 219.00	5.002	5.012	-0.010	0.998	272856		0.92(0.44-1.33)		351	
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.012	5.012	0.0	1.454	2059701	1.07		85.8	2818	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.378	5.367	0.011	1.002	1751027	0.8850	Target=5.65		151	M
813.00 > 169.00	5.378	5.367	0.011	1.002	292027		6.00(2.82-8.47)		1291	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.367	5.367	0.0	1.557	2638658	1.11		88.9	6236	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.722	5.722	0.0	1.066	1490002	0.8570	Target=6.24		142	M
913.00 > 169.00	5.722	5.722	0.0	1.066	233541		6.38(3.12-9.36)		710	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

LCPFAS28NCICV_00012

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d

Injection Date: 18-Nov-2022 15:27:08

Instrument ID: LC812

Lims ID: ICV

Client ID:

Operator ID: lc812tech

ALS Bottle#: 9

Worklist Smp#: 12

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

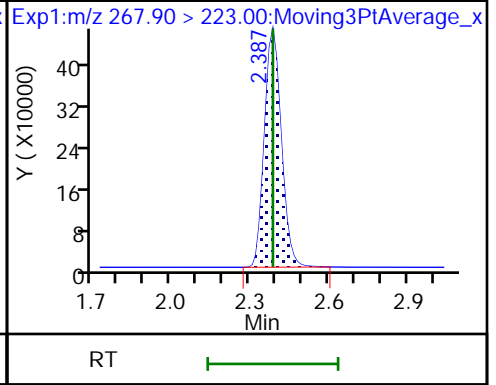
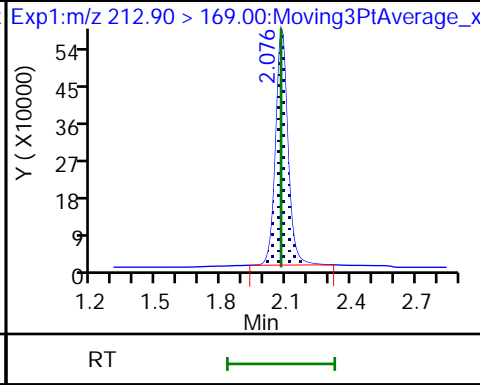
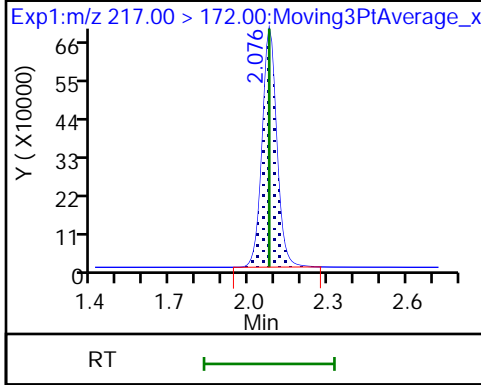
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA (M)

2 Perfluorobutanoic acid (M)

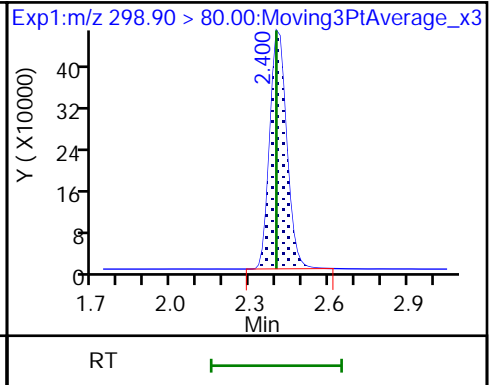
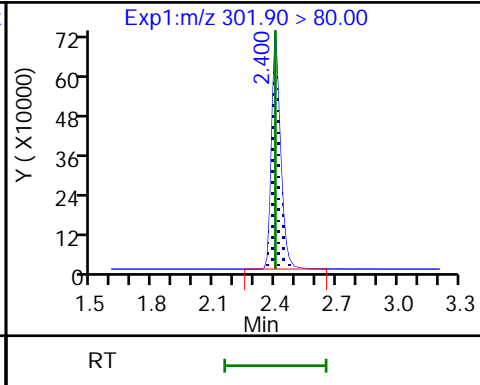
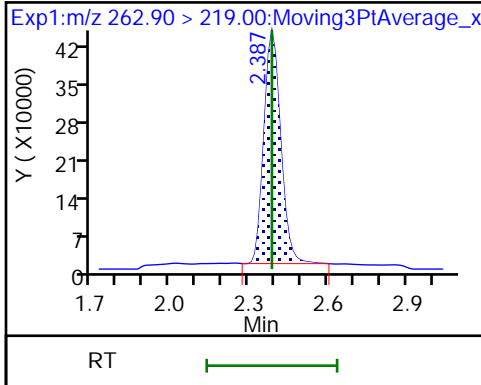
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

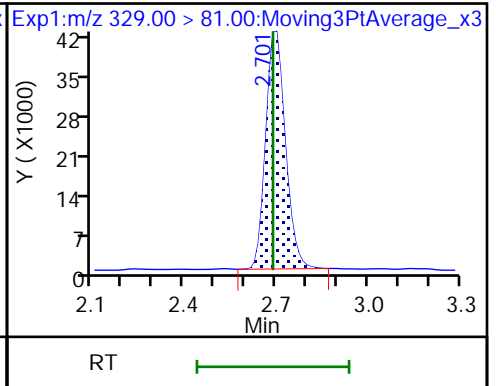
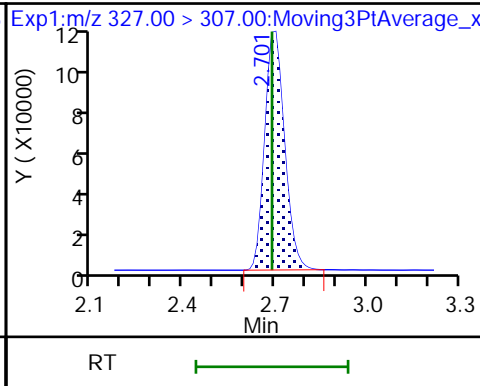
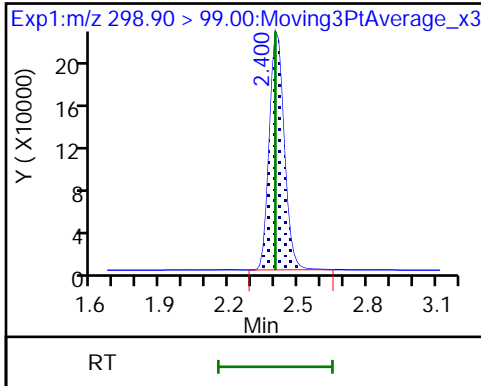
D 47 13C3 PFBS

5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid

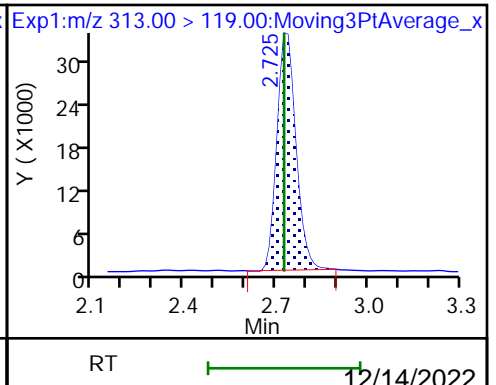
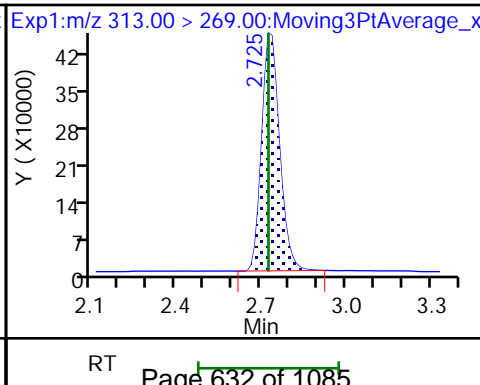
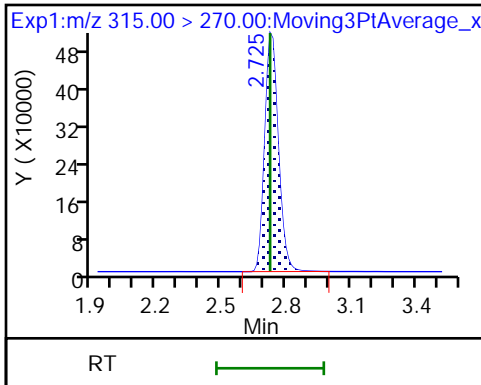
61 1H,1H,2H,2H-perfluorohexanesulfo D 60 M2-4:2 FTS (M)

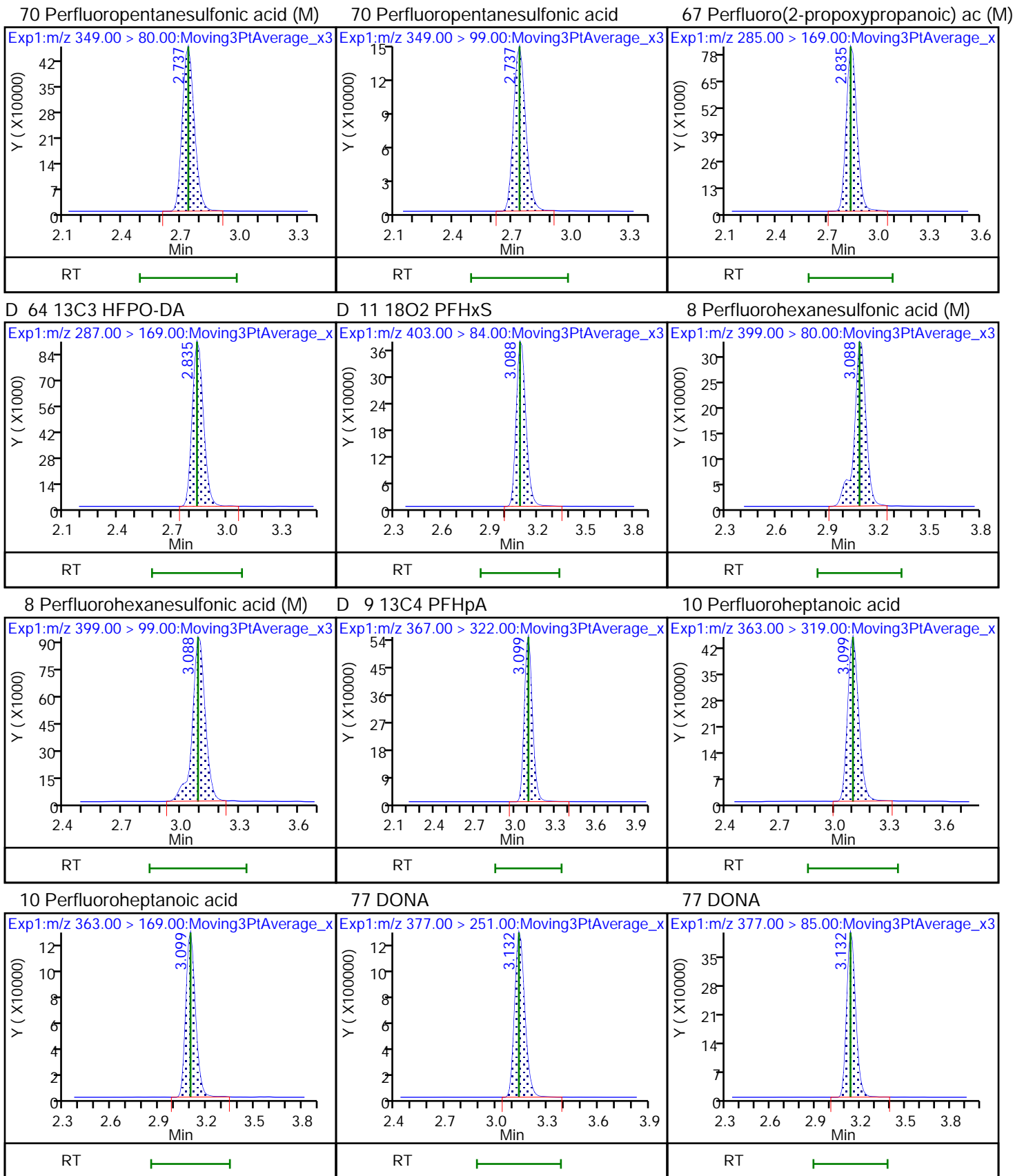


D 7 13C2 PFHxA

6 Perfluorohexanoic acid (M)

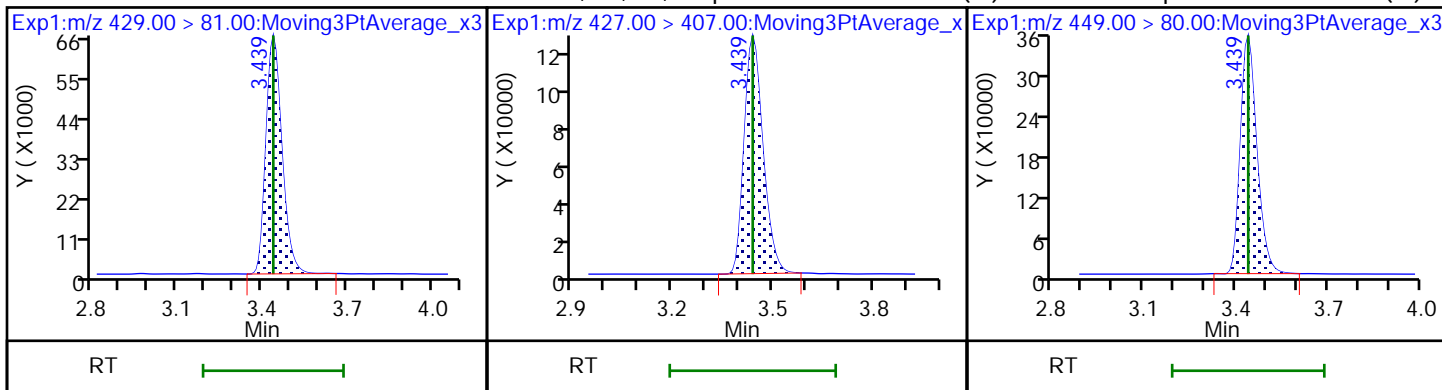
6 Perfluorohexanoic acid (M)





D 12 M2-6:2 FTS

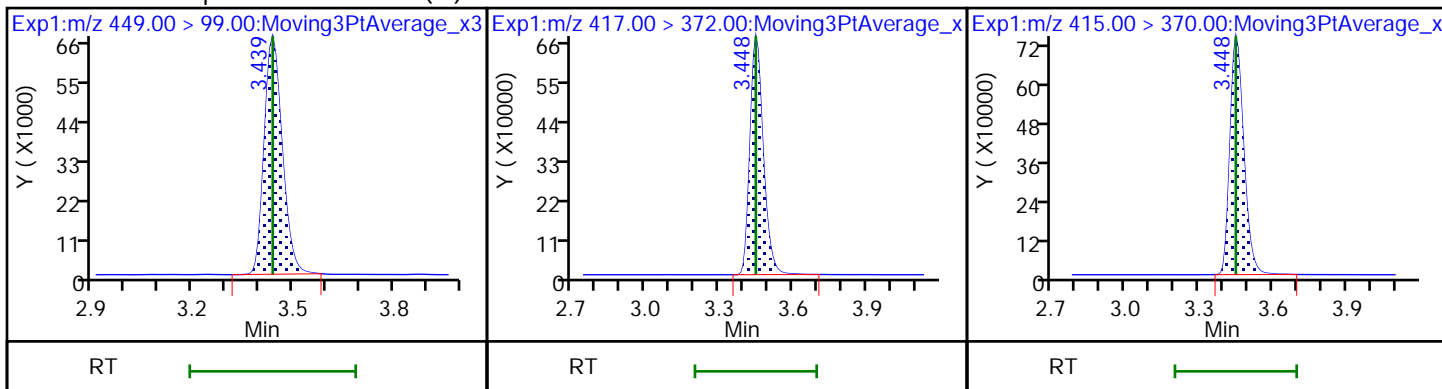
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 6 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

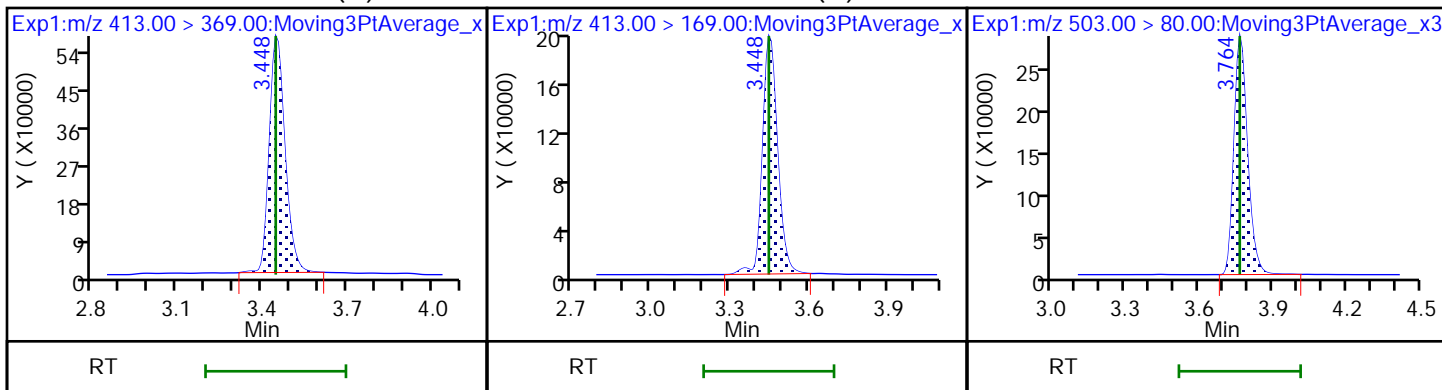
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

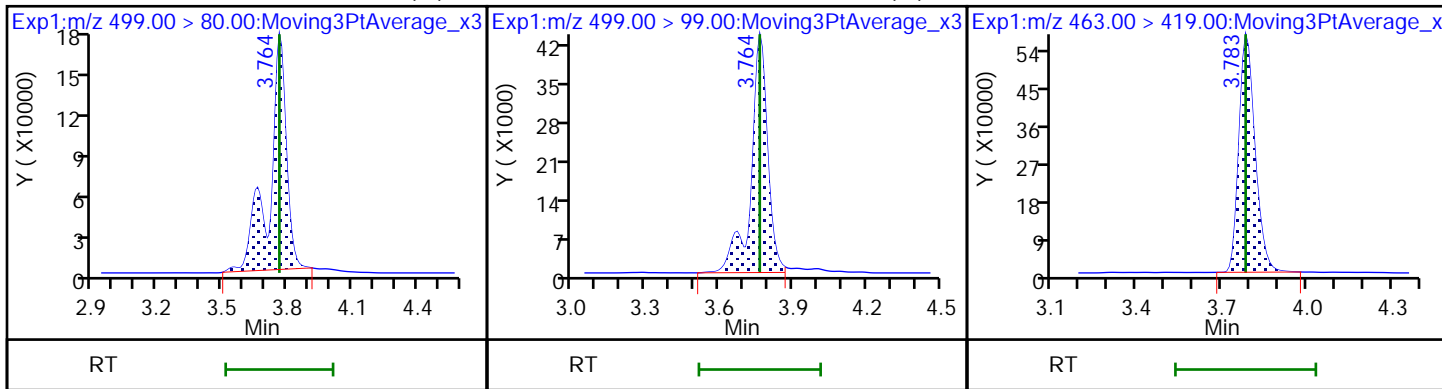
D 18 13C4 PFOS

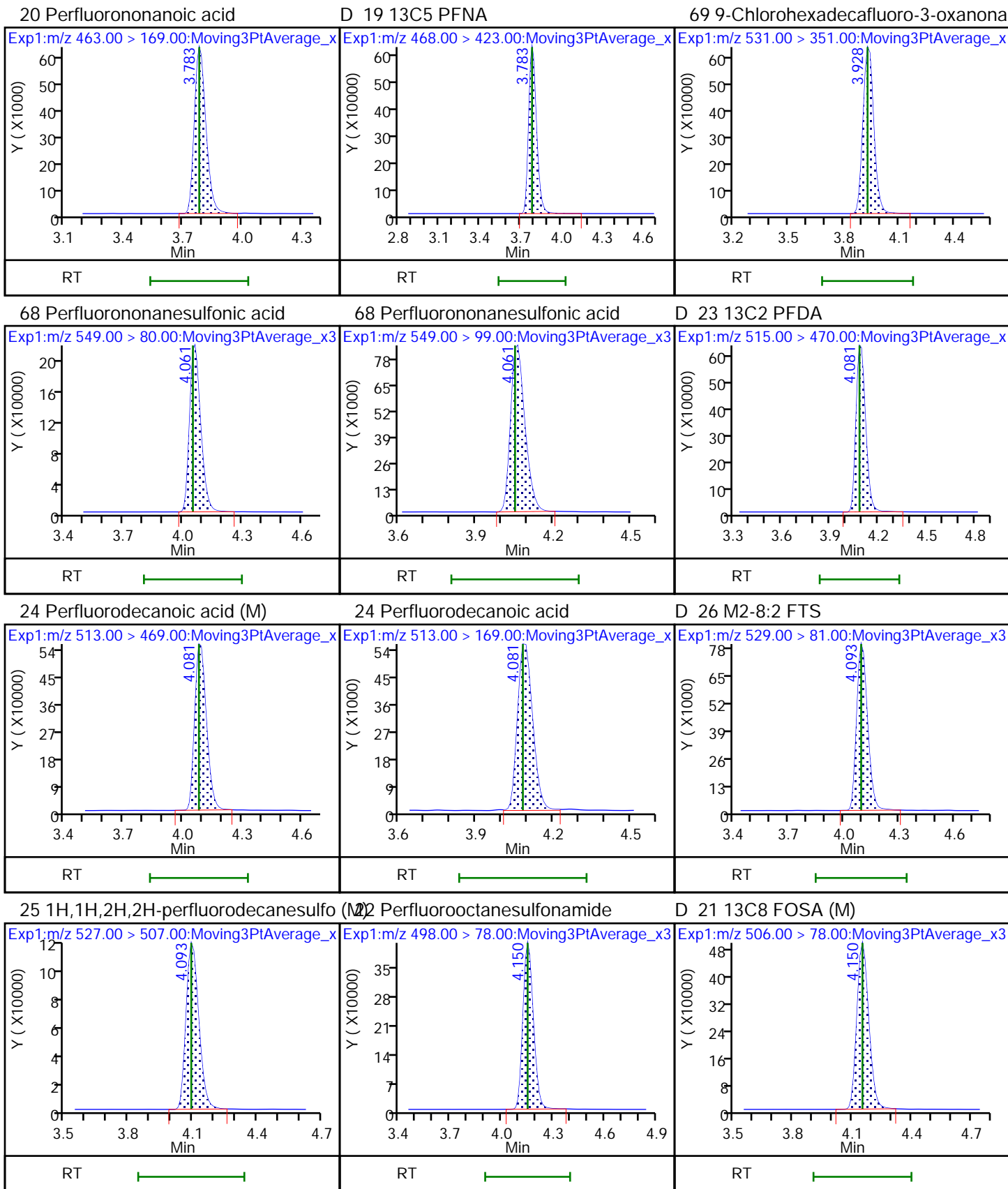


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

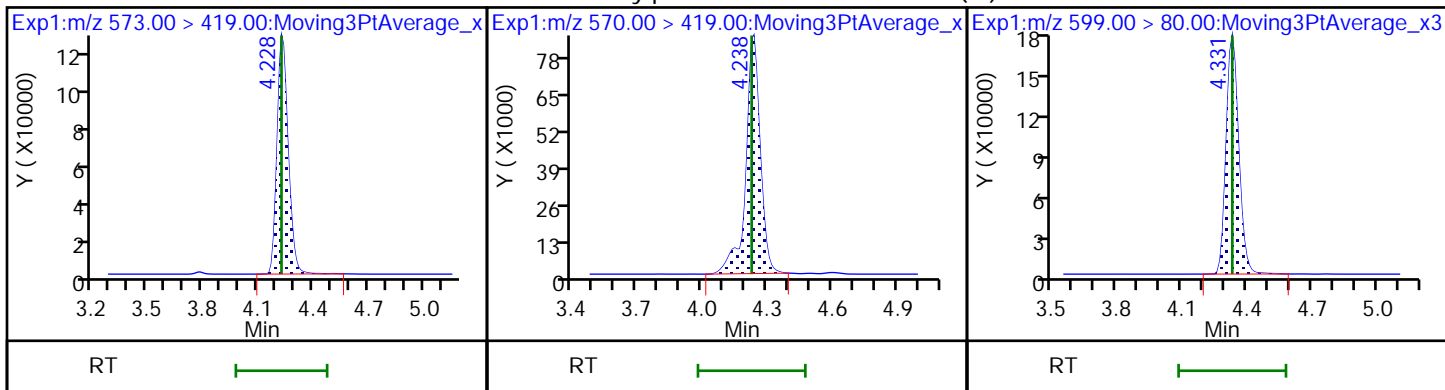
20 Perfluorononanoic acid





D 27 d3-NMeFOSAA

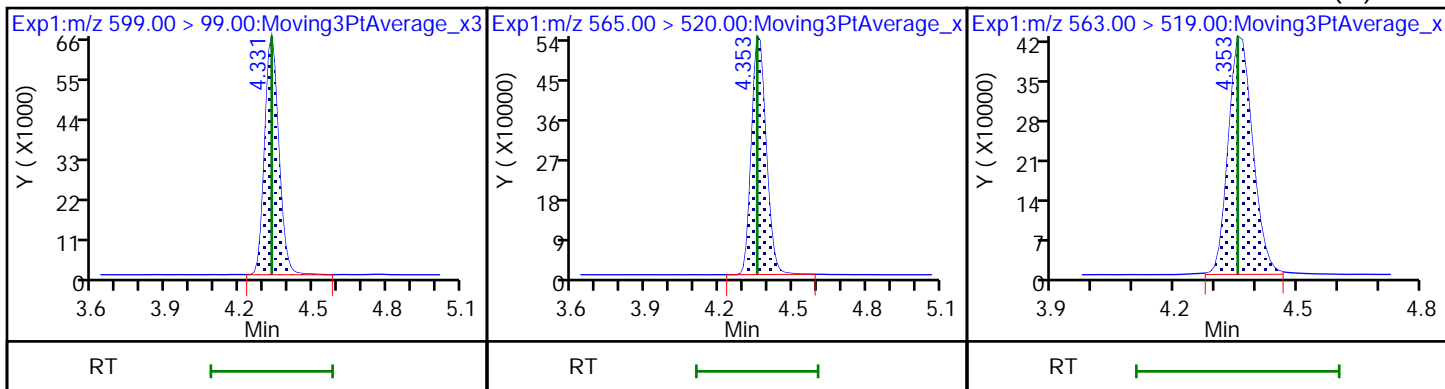
28 N-methylperfluorooctanesulfonami (M) 29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid

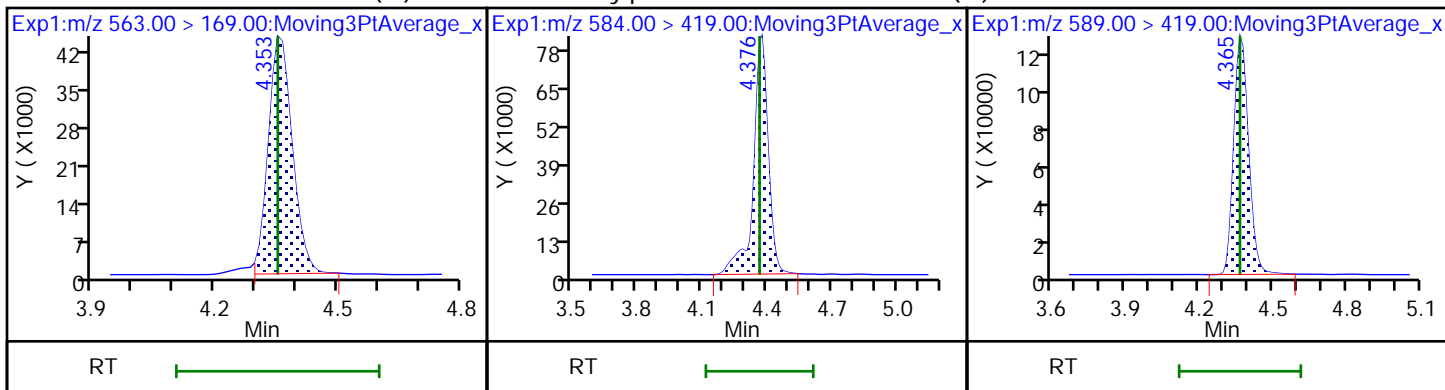
D 30 13C2 PFUa

31 Perfluoroundecanoic acid (M)



31 Perfluoroundecanoic acid (M)

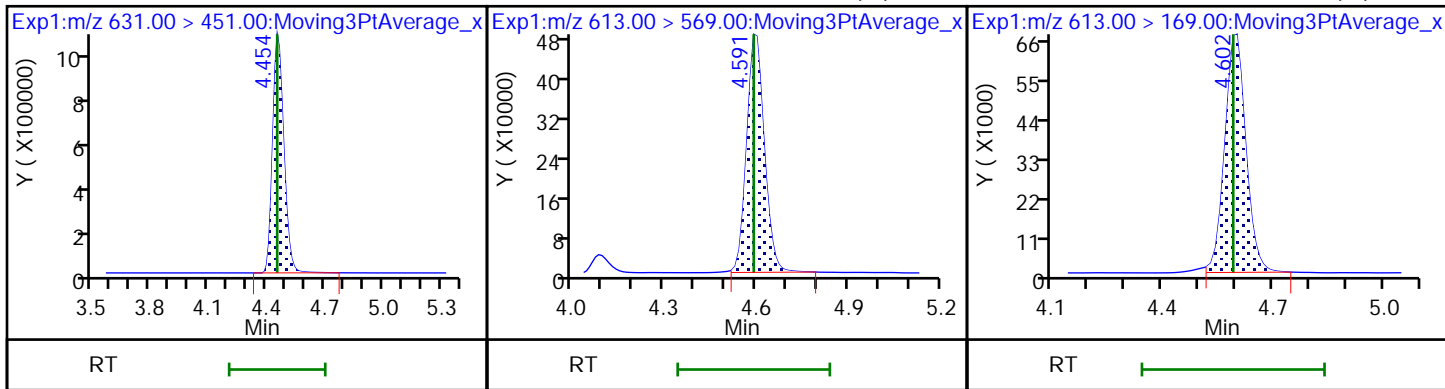
33 N-ethylperfluorooctanesulfonamid (N) 32 d5-NEtFOSAA



66 11-Chloroeicosafuoro-3-oxaundec

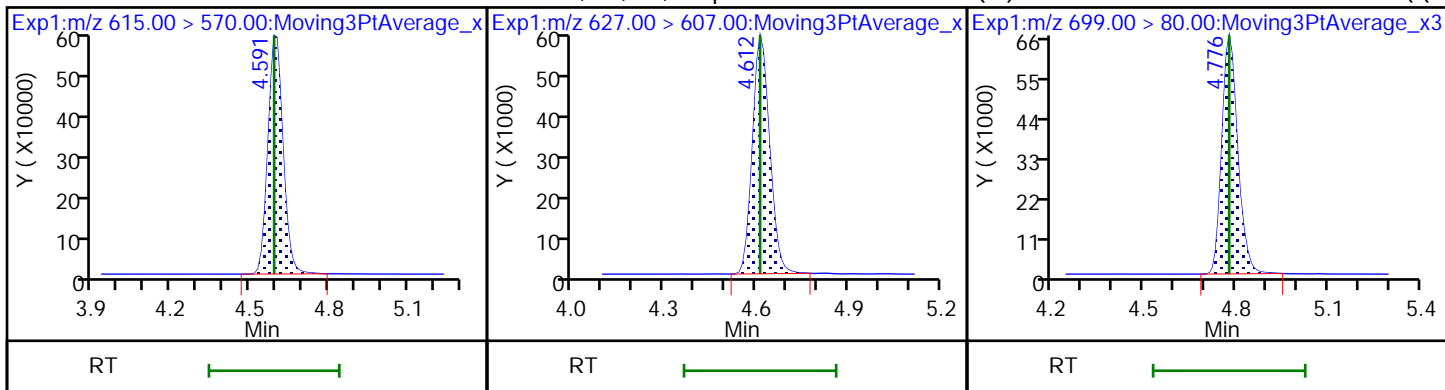
37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid (M)



D 36 13C2 PFDoA

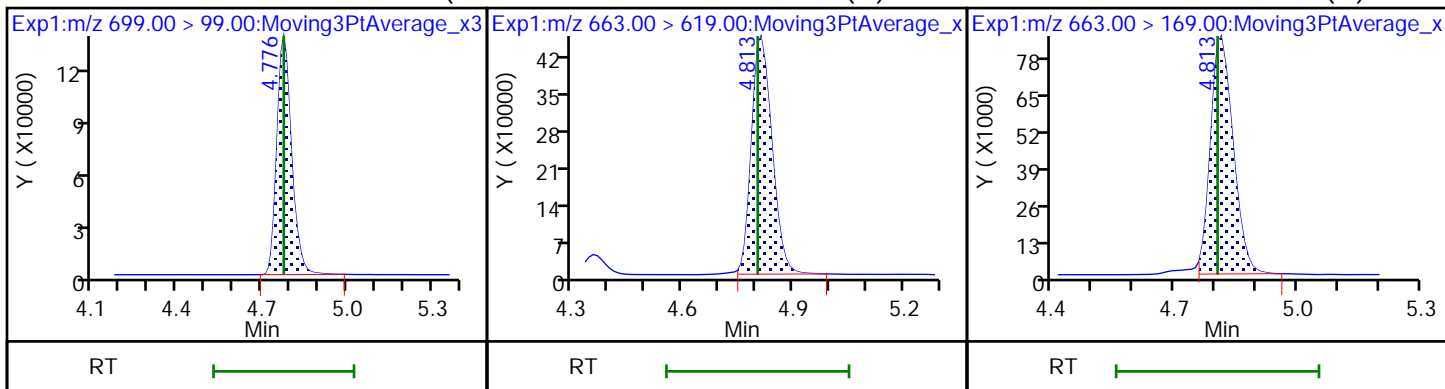
74 1H,1H,2H,2H-perfluorododecanesul (M) Perfluorododecanesulfonic acid ((M)



75 Perfluorododecanesulfonic acid (

41 Perfluorotridecanoic acid (M)

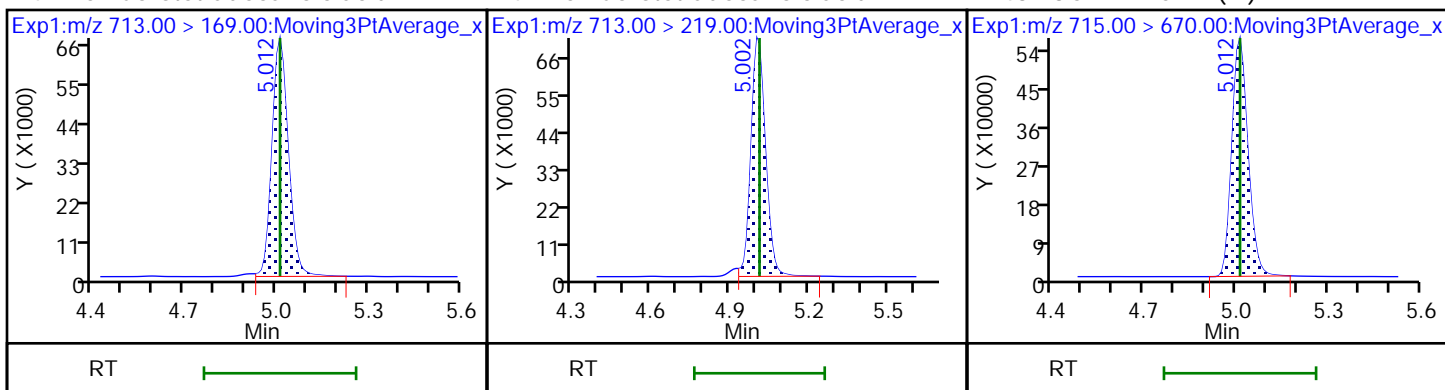
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid

42 Perfluorotetradecanoic acid

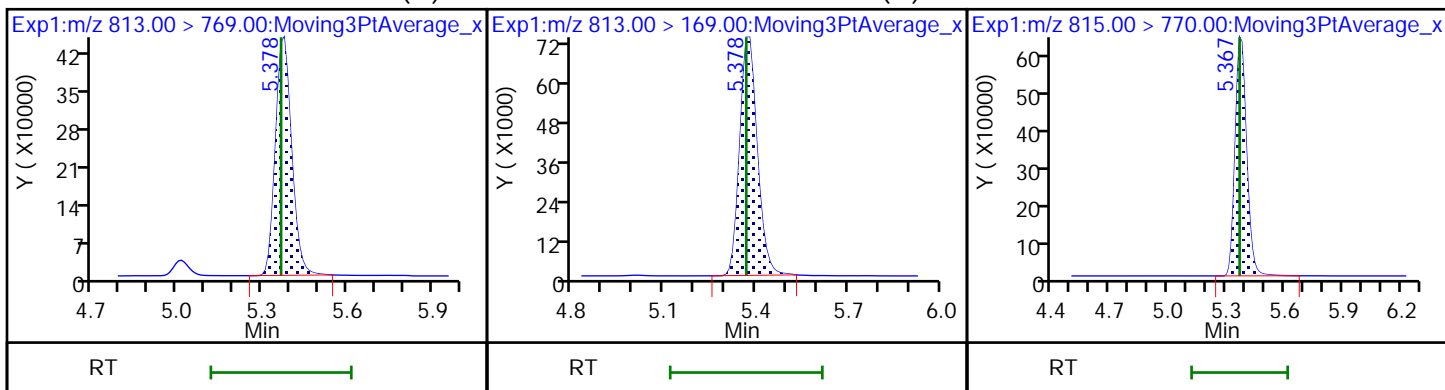
D 43 13C2 PFTeDA (M)



45 Perfluorohexadecanoic acid (M)

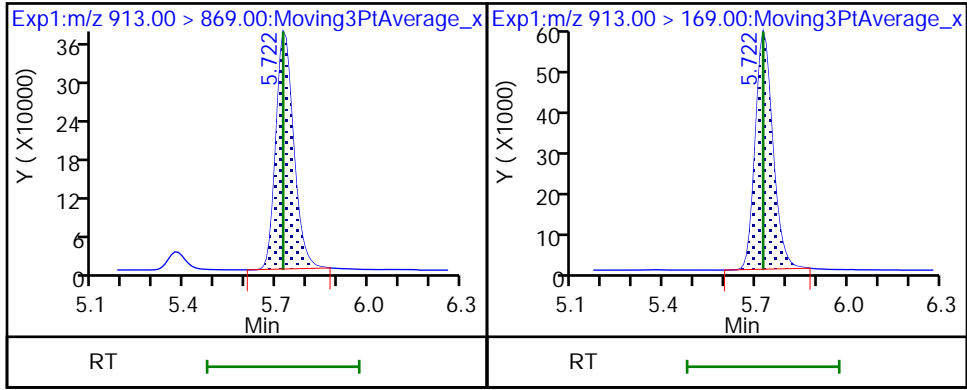
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

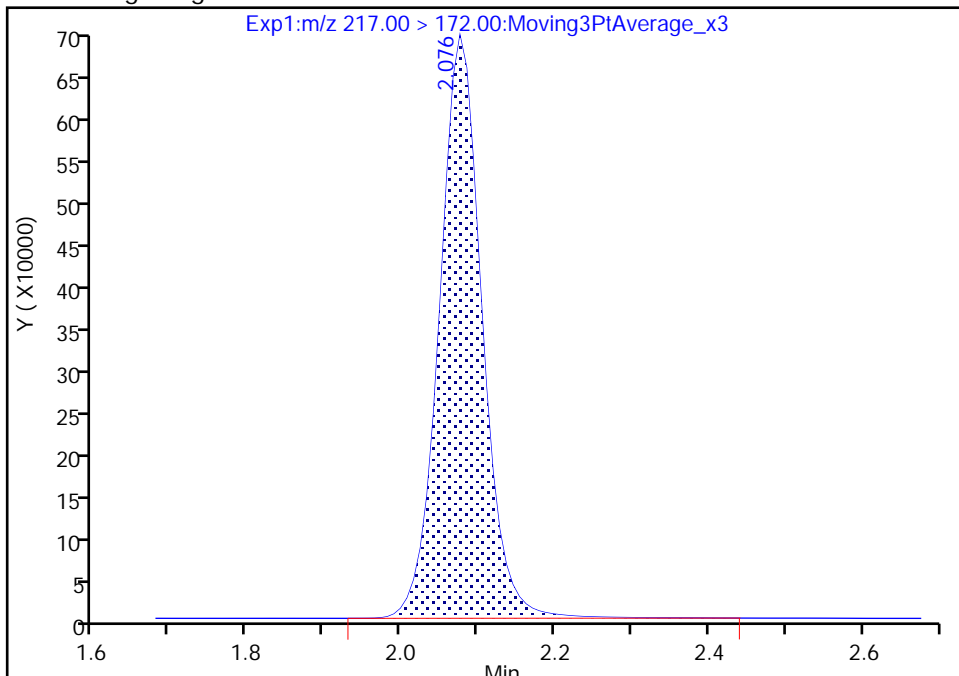
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Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

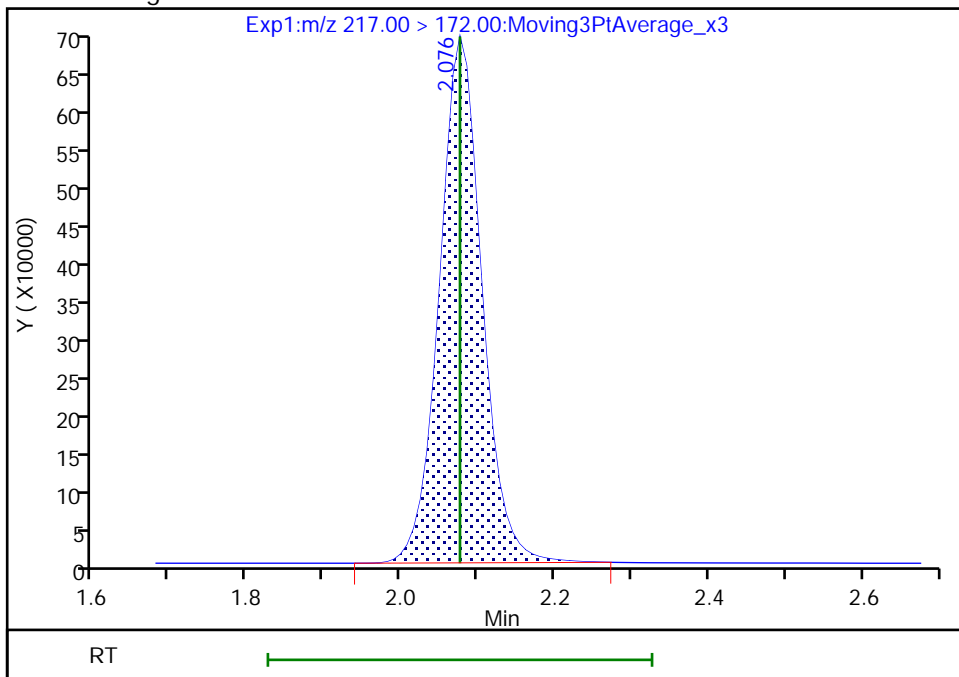
RT: 2.08
Area: 2683228
Amount: 1.030340
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 2670376
Amount: 1.025405
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:27:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

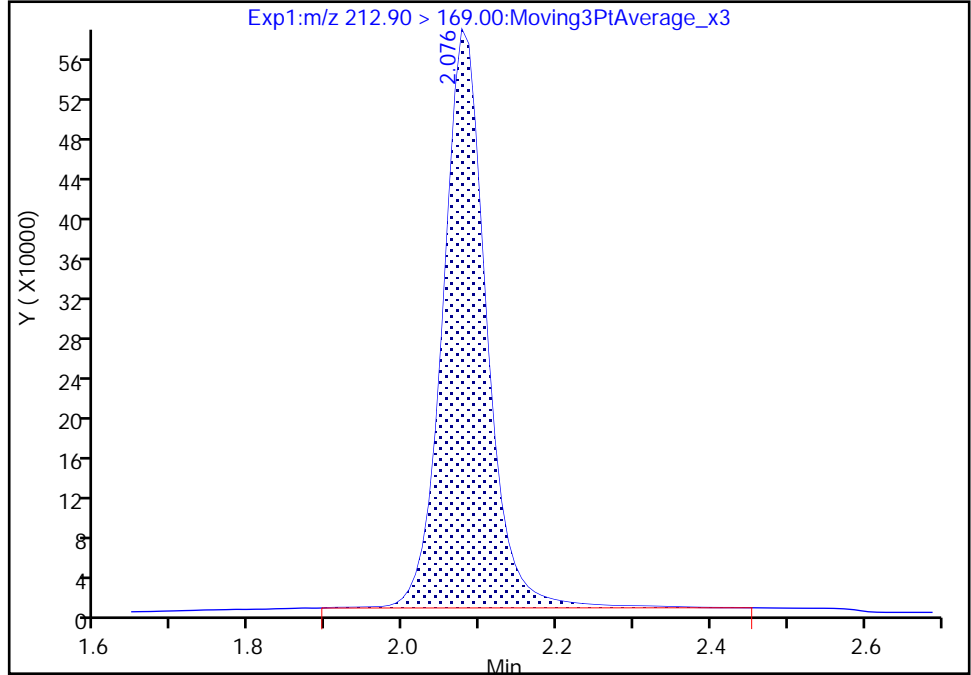
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Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

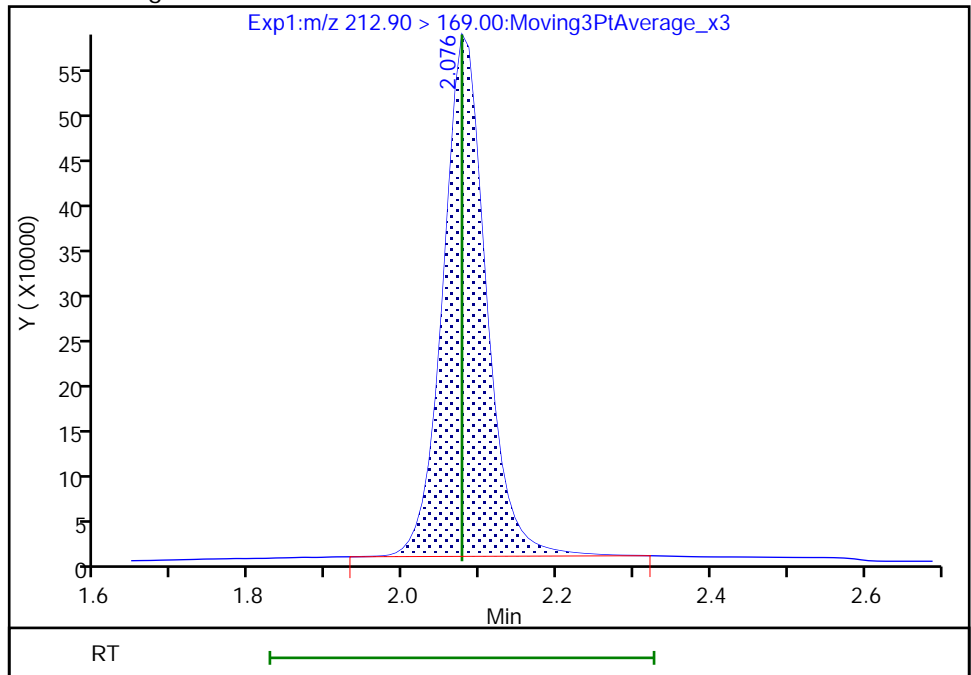
RT: 2.08
Area: 2274782
Amount: 1.032610
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 2244563
Amount: 1.018892
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:27:47
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

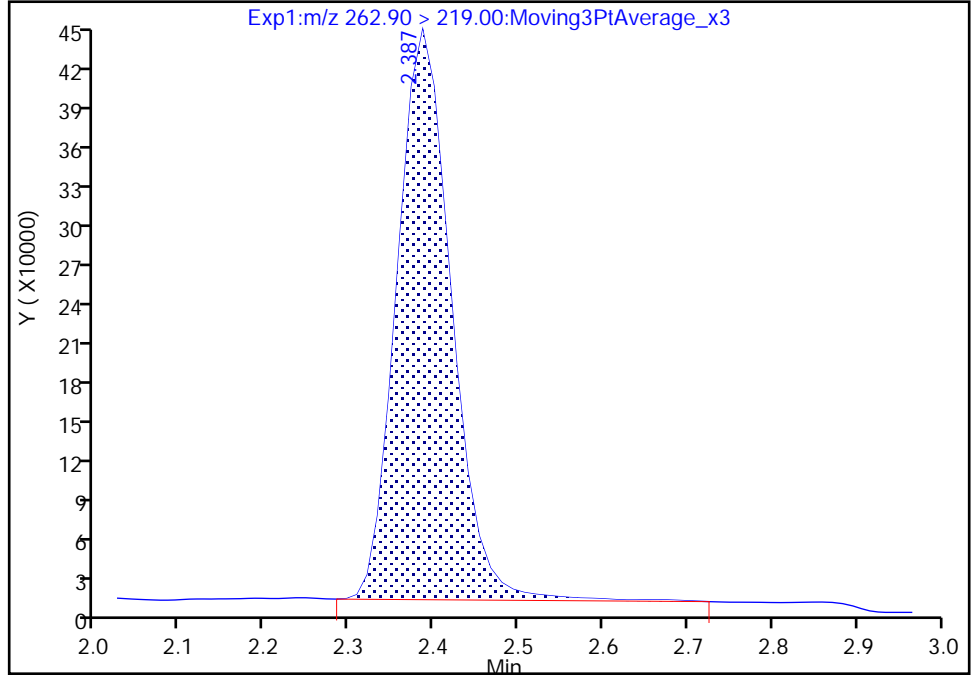
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Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

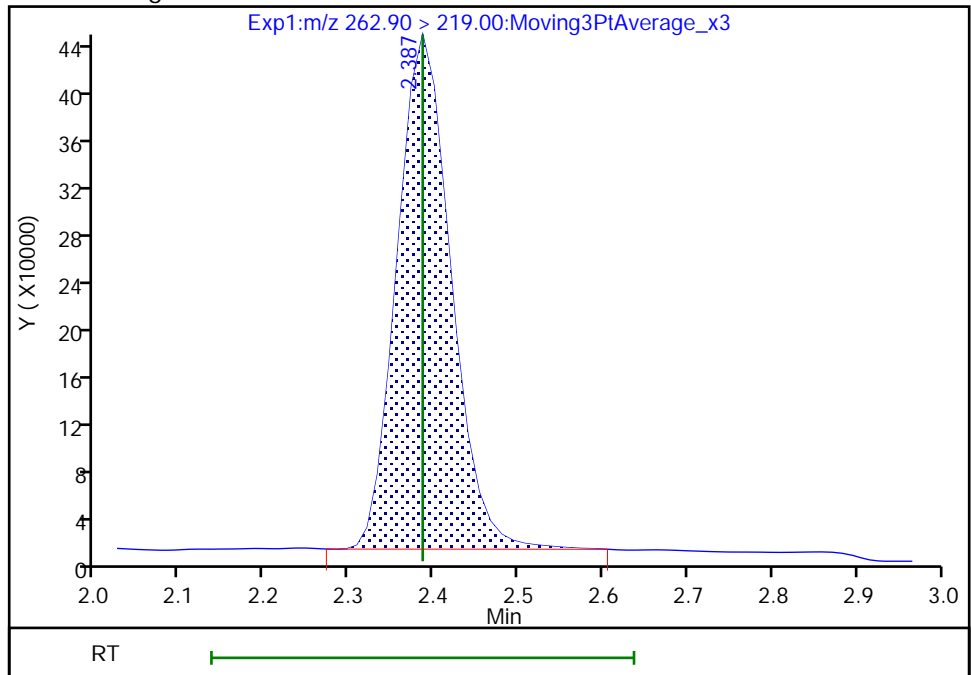
RT: 2.39
Area: 1952031
Amount: 1.086518
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 1931131
Amount: 1.074885
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:27:53
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

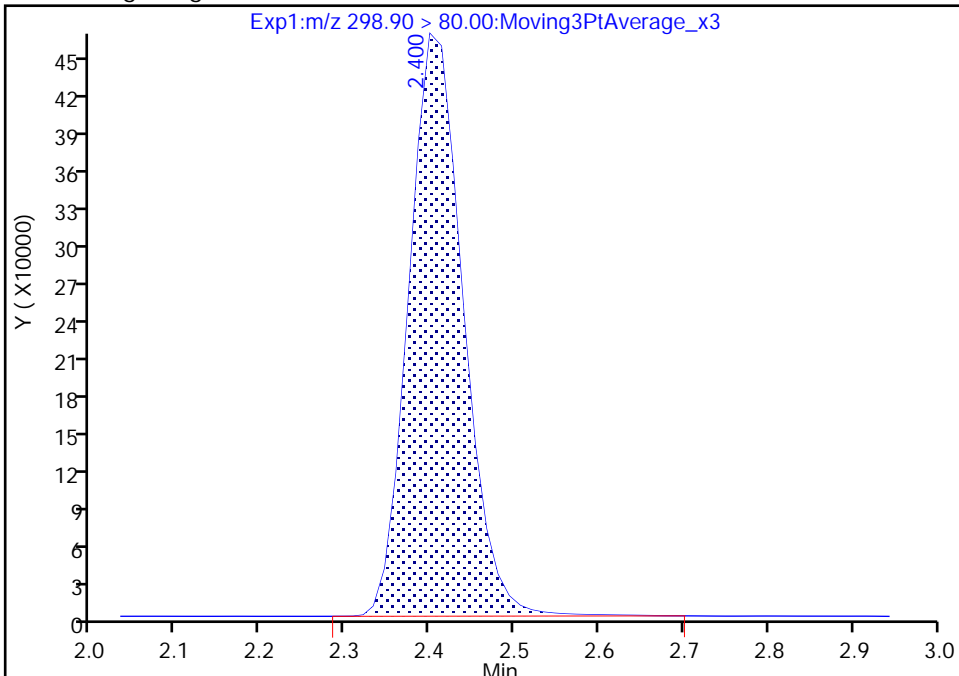
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Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

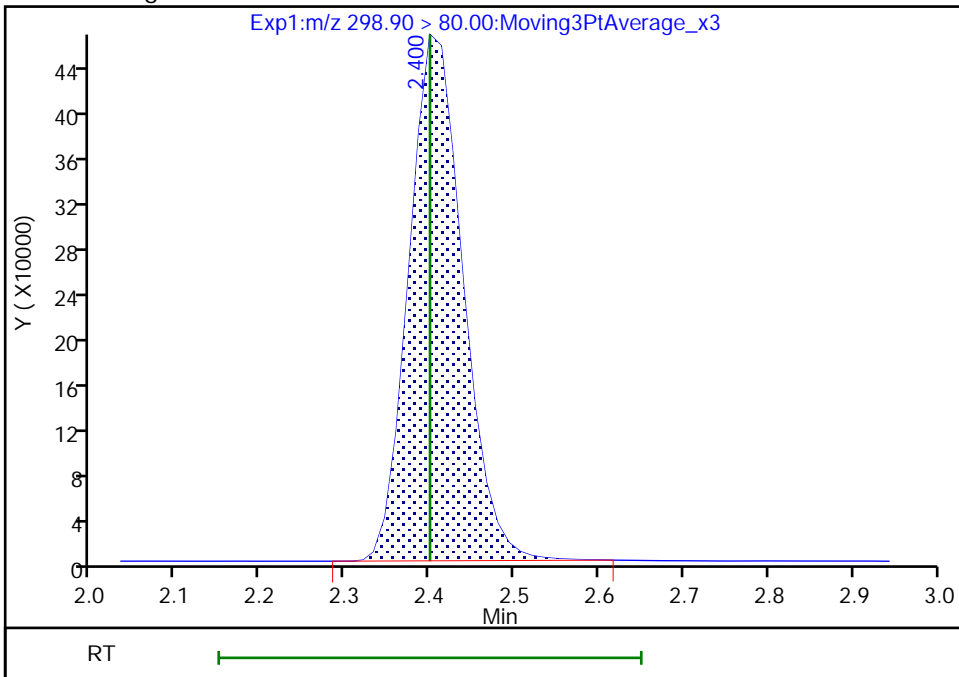
RT: 2.40
Area: 2078717
Amount: 0.981767
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 2070709
Amount: 0.977985
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:28:09
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

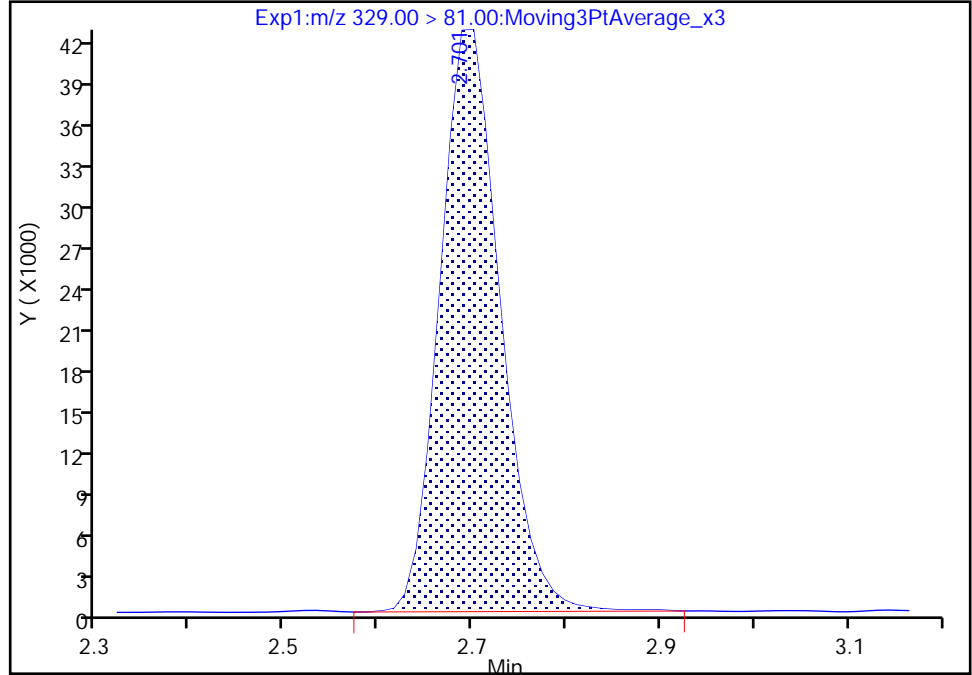
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 60 M2-4:2 FTS, CAS: STL02395
Signal: 1

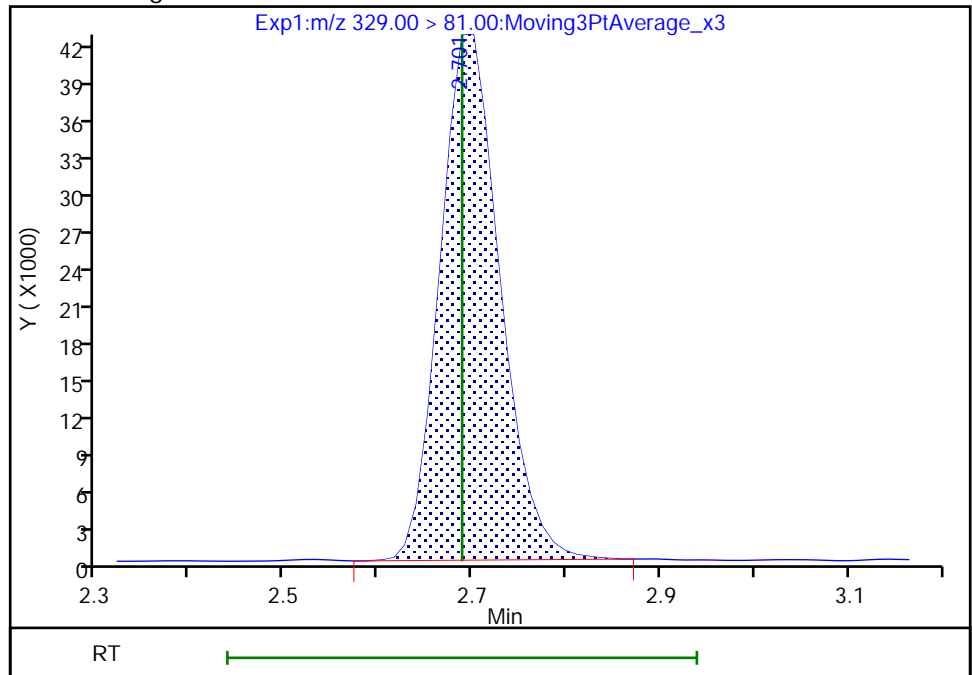
RT: 2.70
Area: 187018
Amount: 0.982209
Amount Units: ng/ml

Processing Integration Results



RT: 2.70
Area: 186032
Amount: 0.977030
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:28:30
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

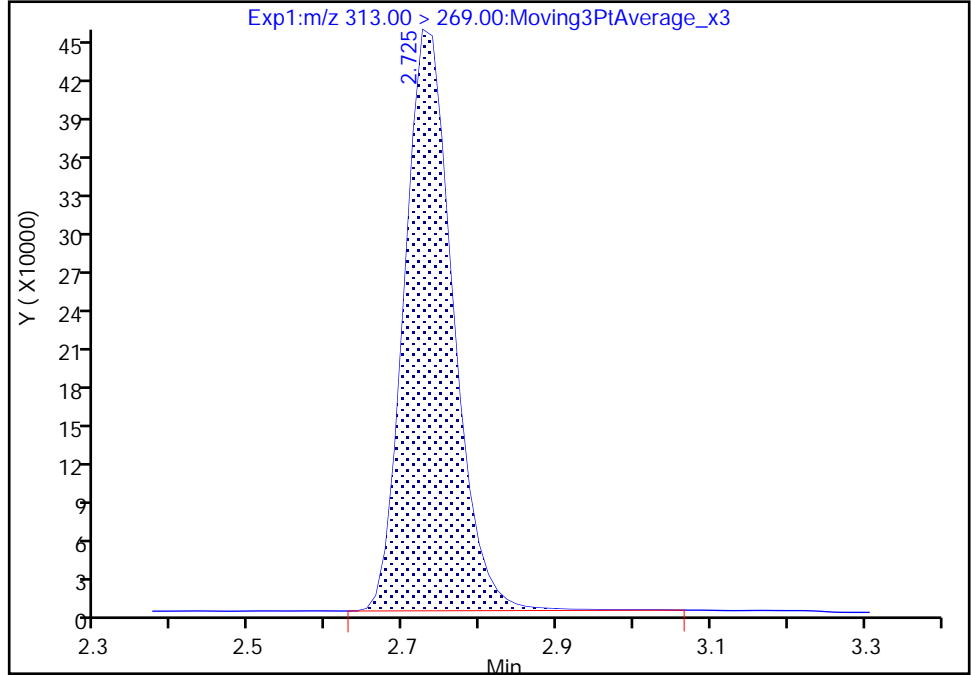
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

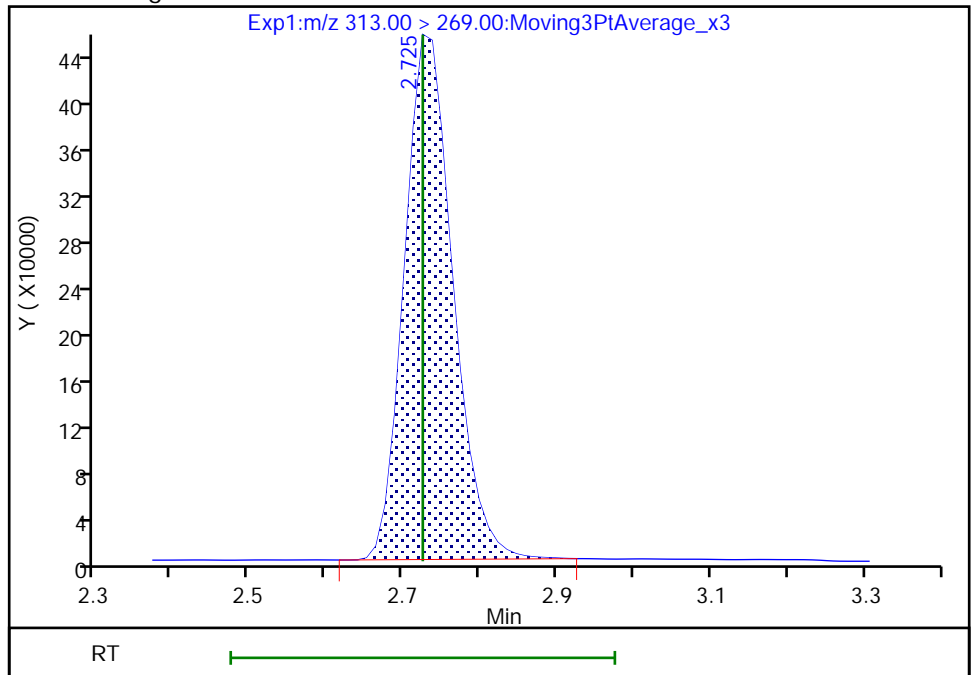
RT: 2.73
Area: 1996563
Amount: 1.018646
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 1986916
Amount: 1.013724
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:28:42
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

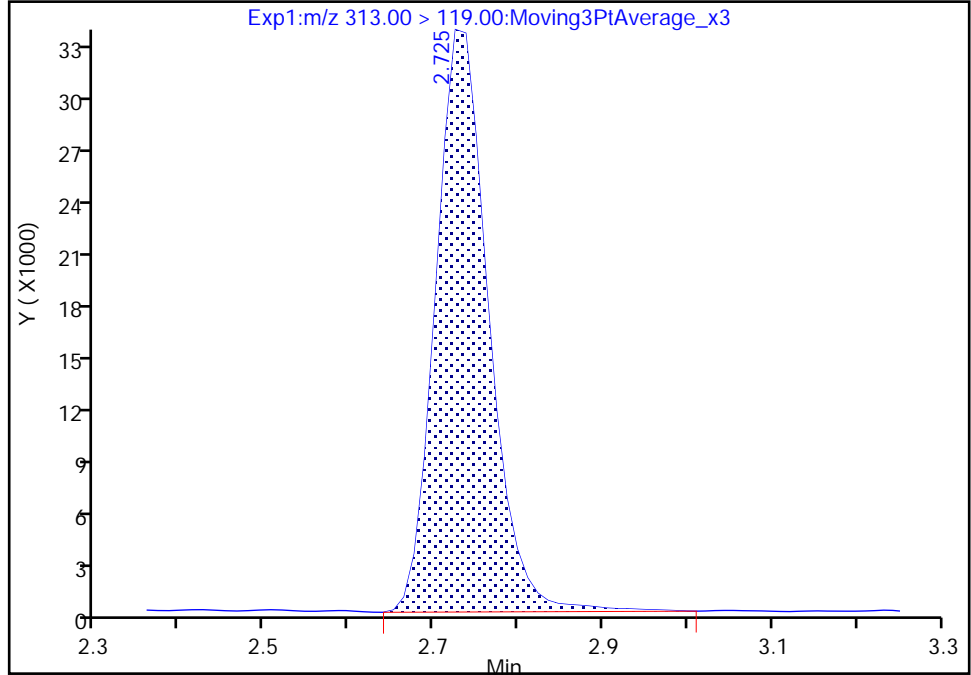
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

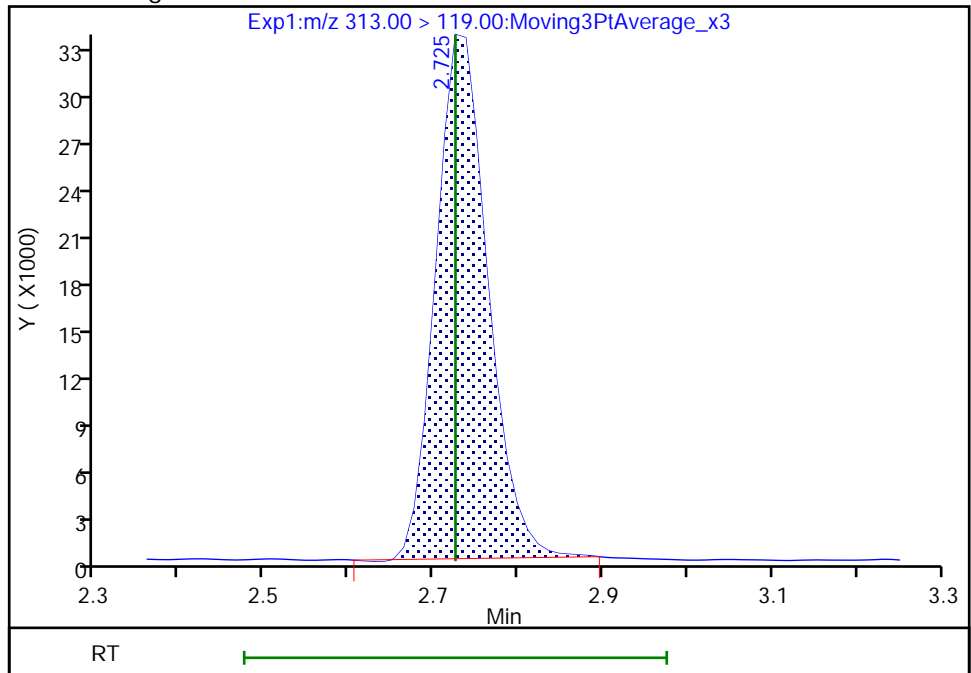
RT: 2.73
Area: 144299
Amount: 1.018646
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 140975
Amount: 1.013724
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:28:45

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

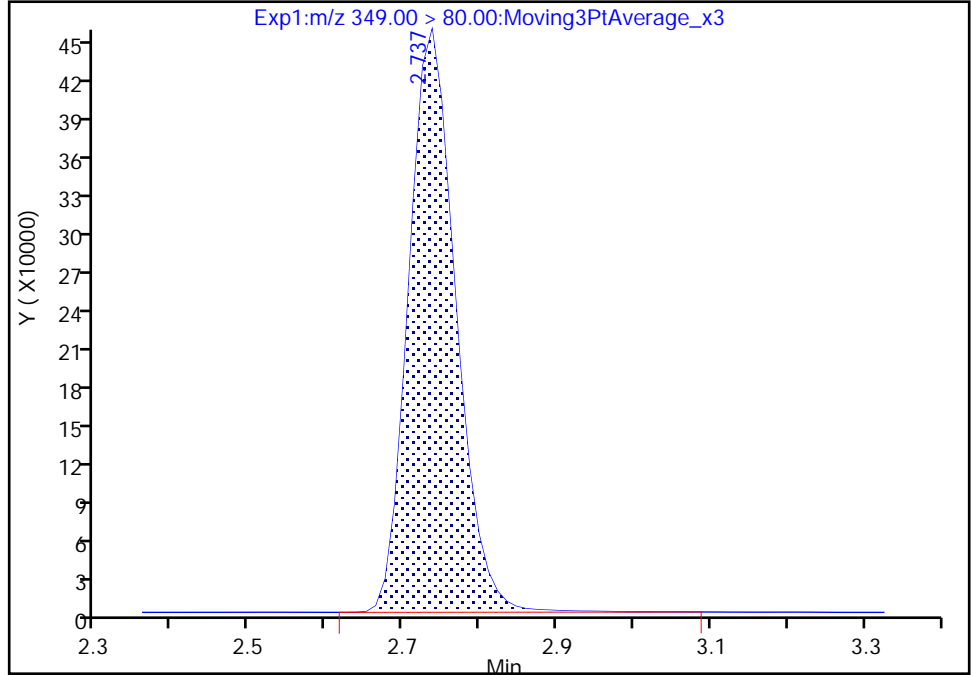
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

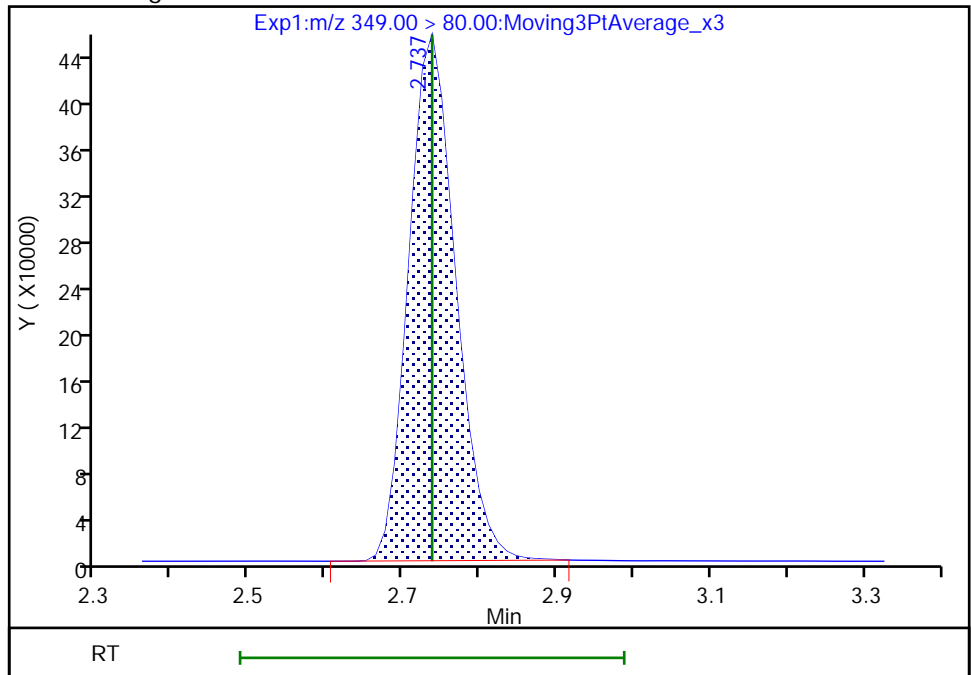
RT: 2.74
Area: 1936279
Amount: 1.104646
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 1925334
Amount: 1.098402
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:28:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

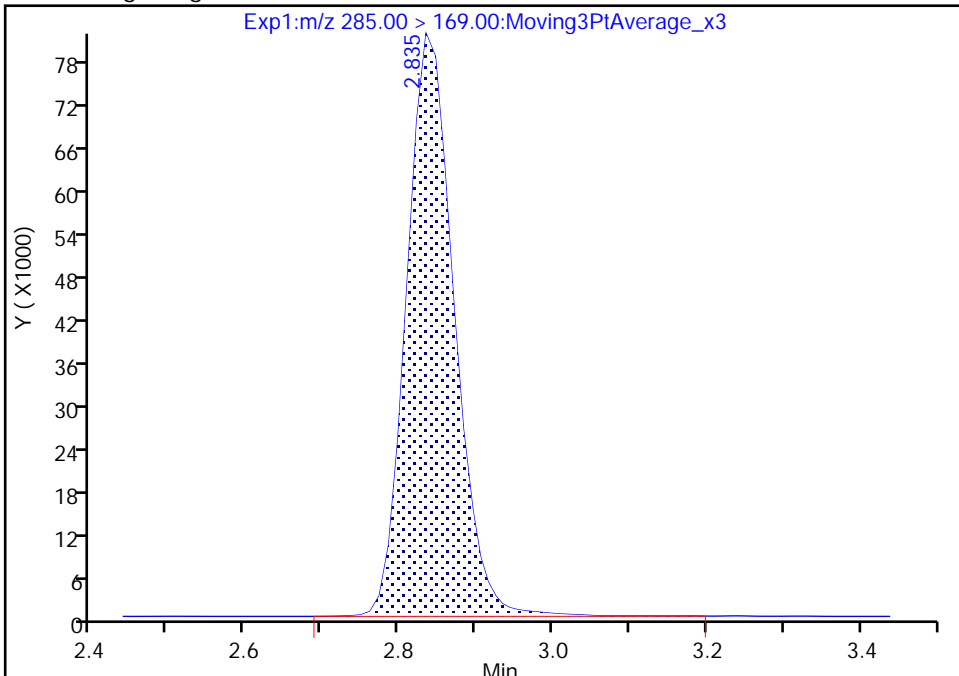
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

67 Perfluoro(2-propoxypropanoic) ac, CAS: 13252-13-6

Signal: 1

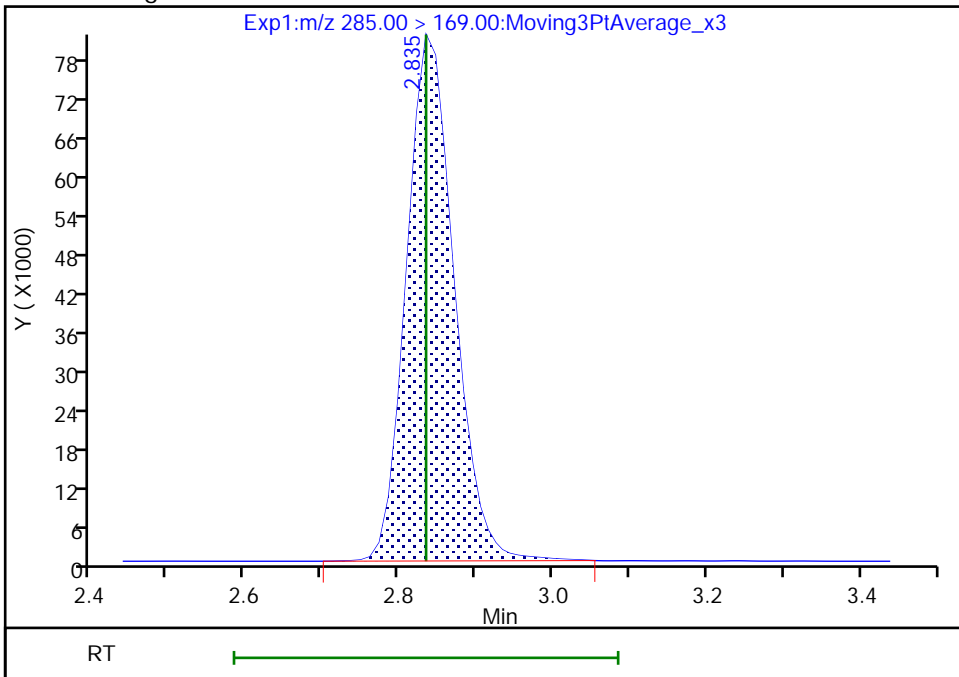
RT: 2.83
Area: 349656
Amount: 1.072576
Amount Units: ng/ml

Processing Integration Results



RT: 2.83
Area: 348107
Amount: 1.067825
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:28:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

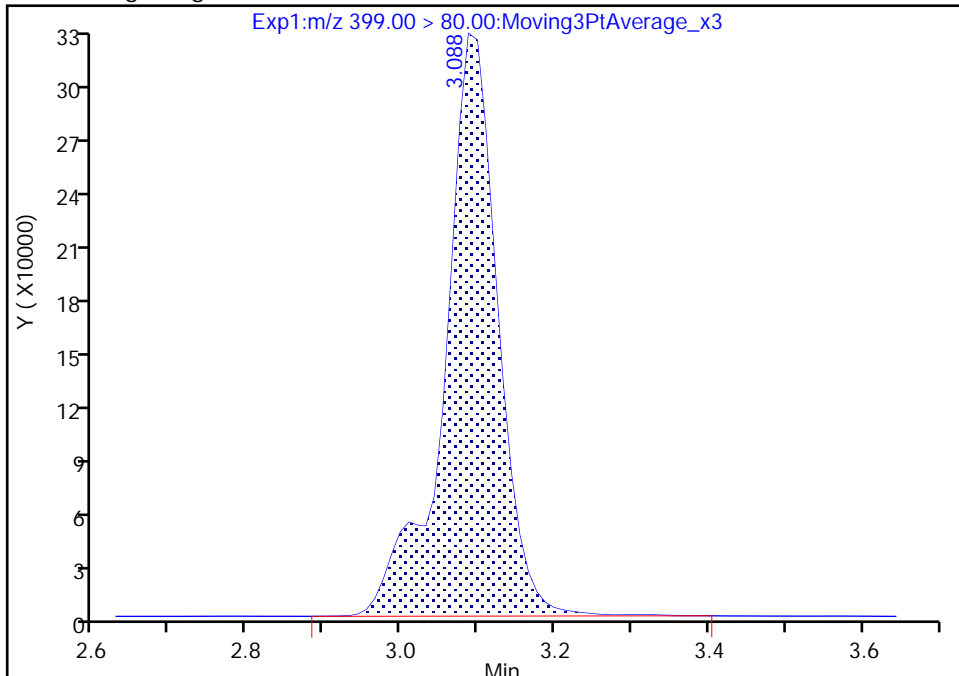
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

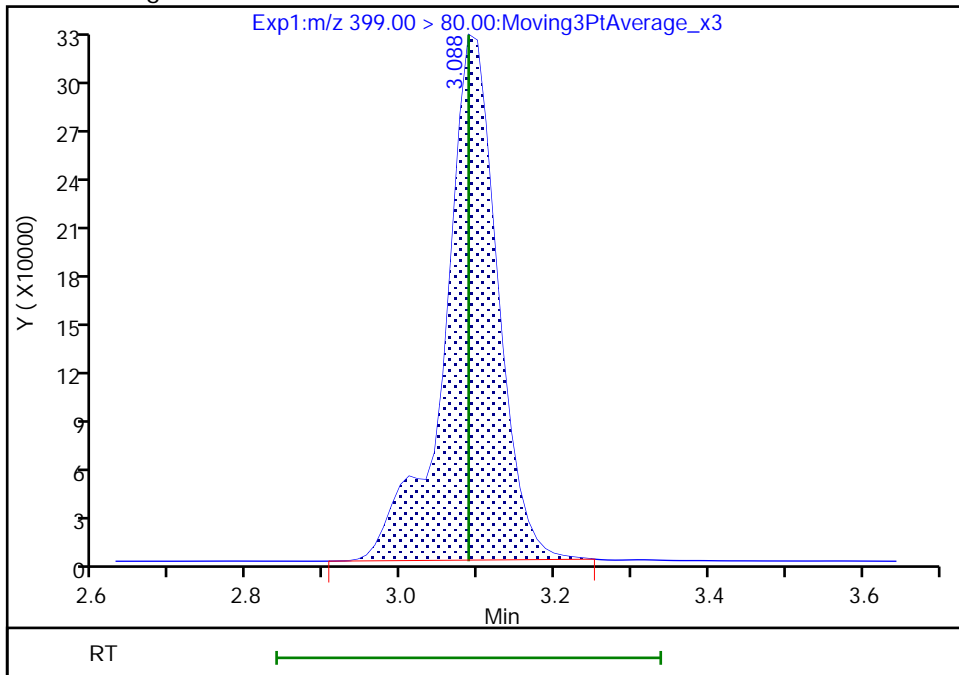
RT: 3.09
Area: 1580261
Amount: 1.066710
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 1565688
Amount: 1.056873
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:29:04
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

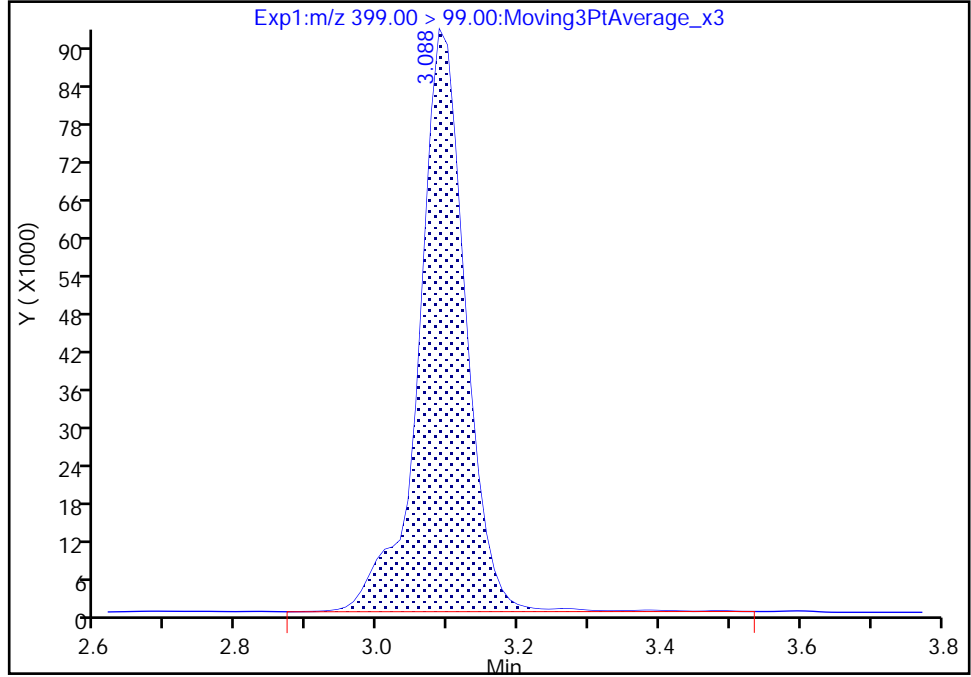
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

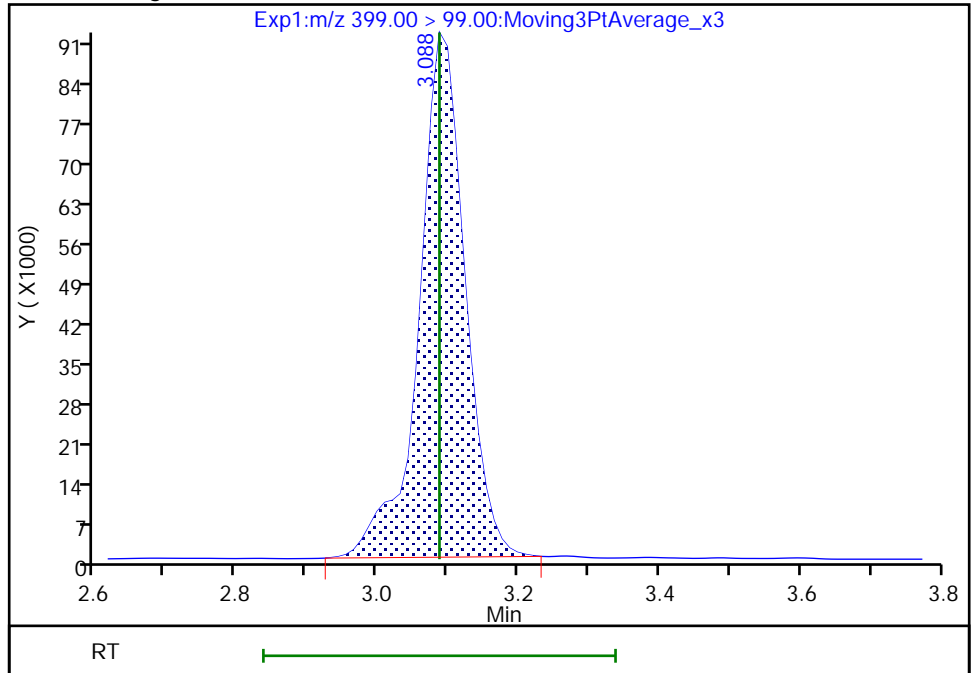
RT: 3.09
Area: 423789
Amount: 1.066710
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 416511
Amount: 1.056873
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:29:07

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

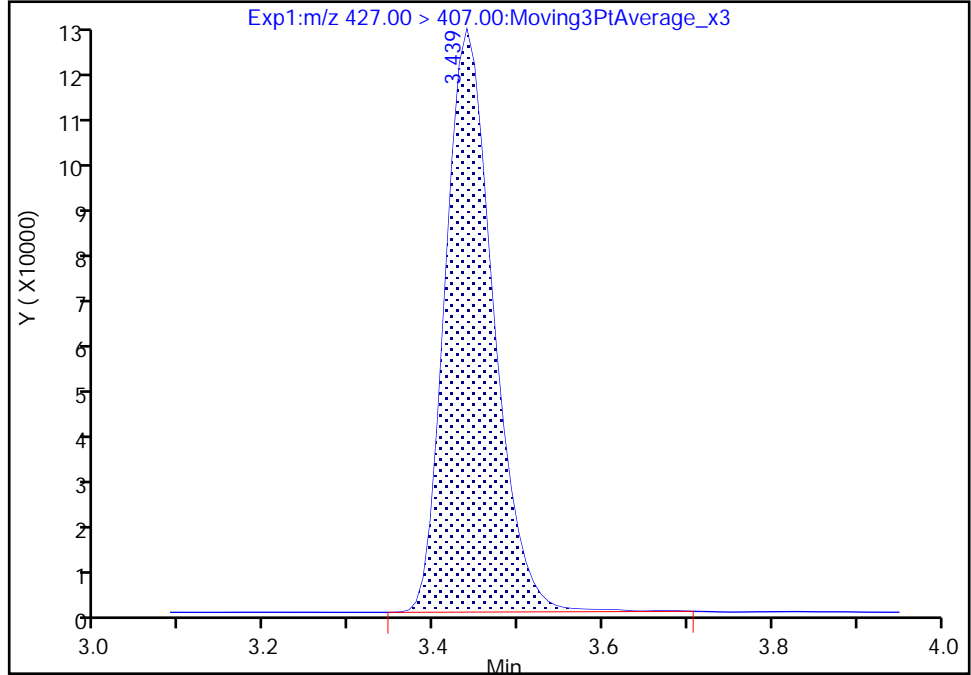
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

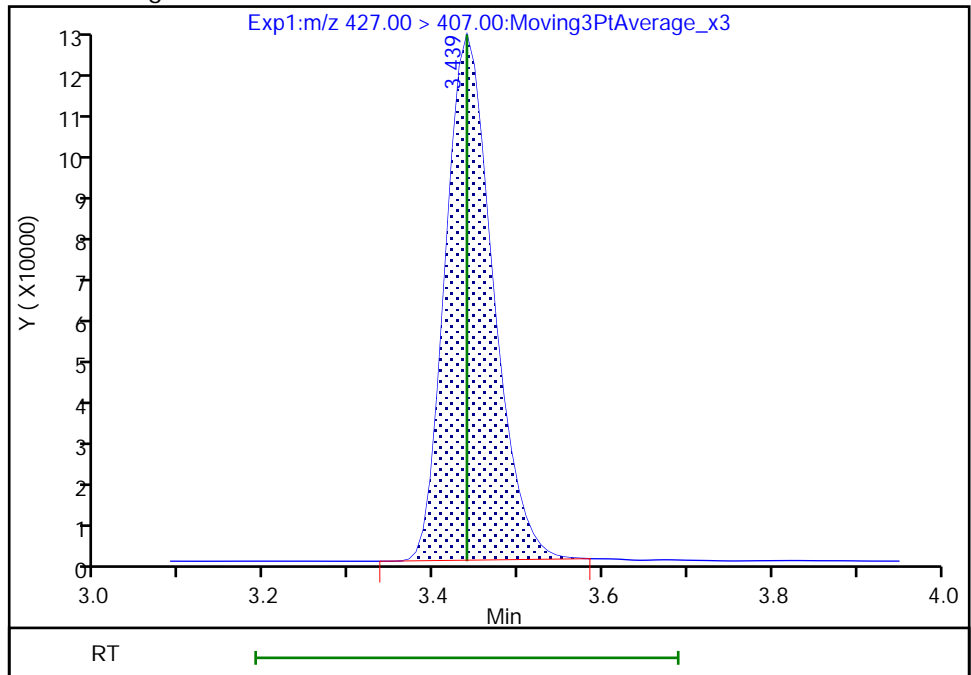
RT: 3.44
Area: 502234
Amount: 1.072151
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 497227
Amount: 1.061344
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:29:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

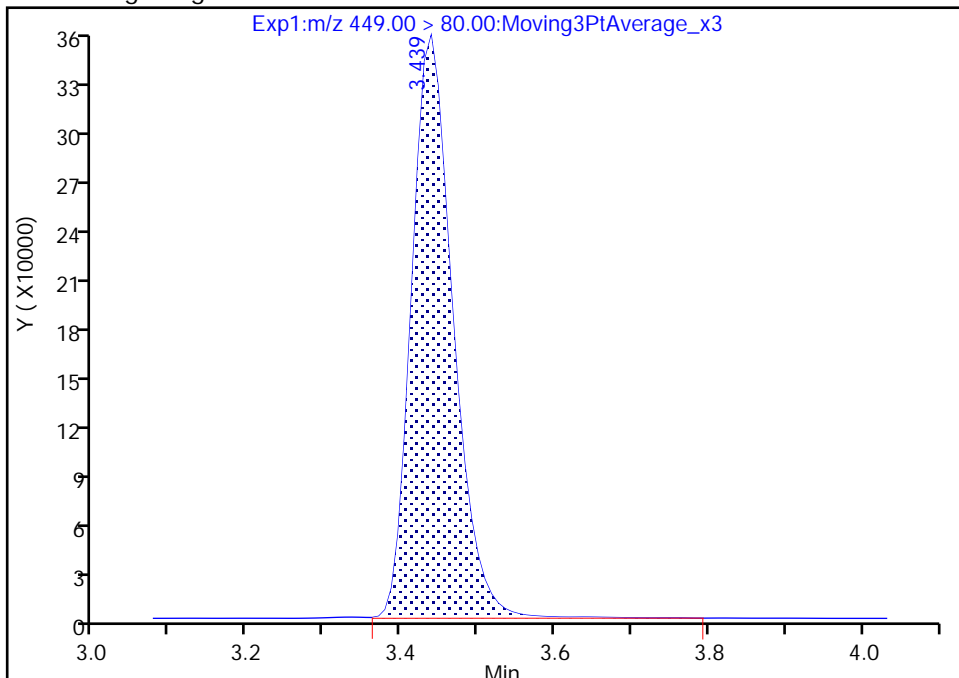
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

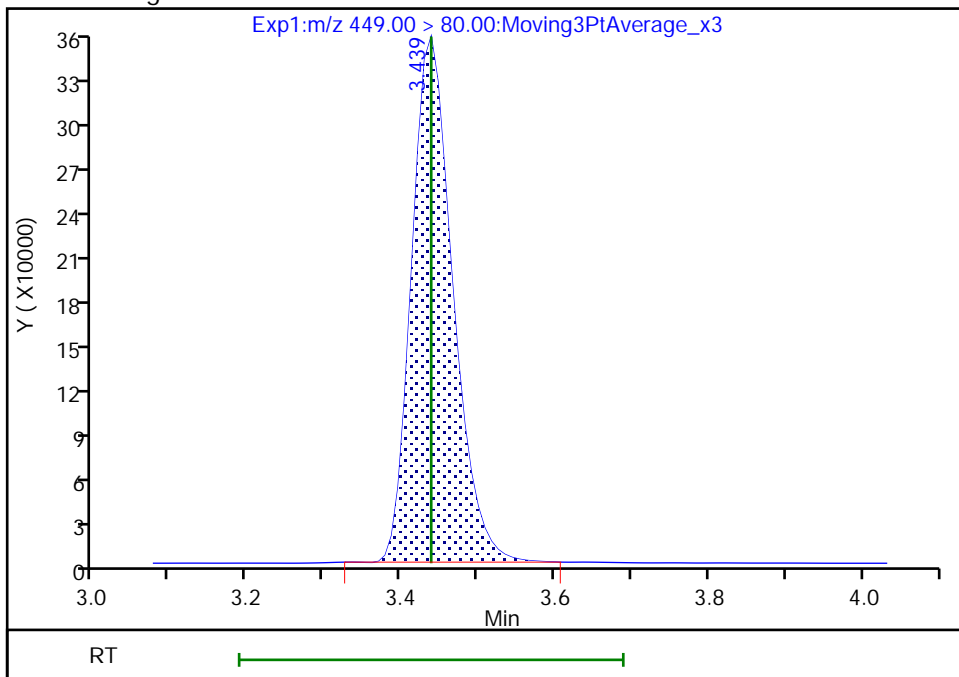
RT: 3.44
Area: 1318008
Amount: 1.043678
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 1304864
Amount: 1.033270
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:29:24
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

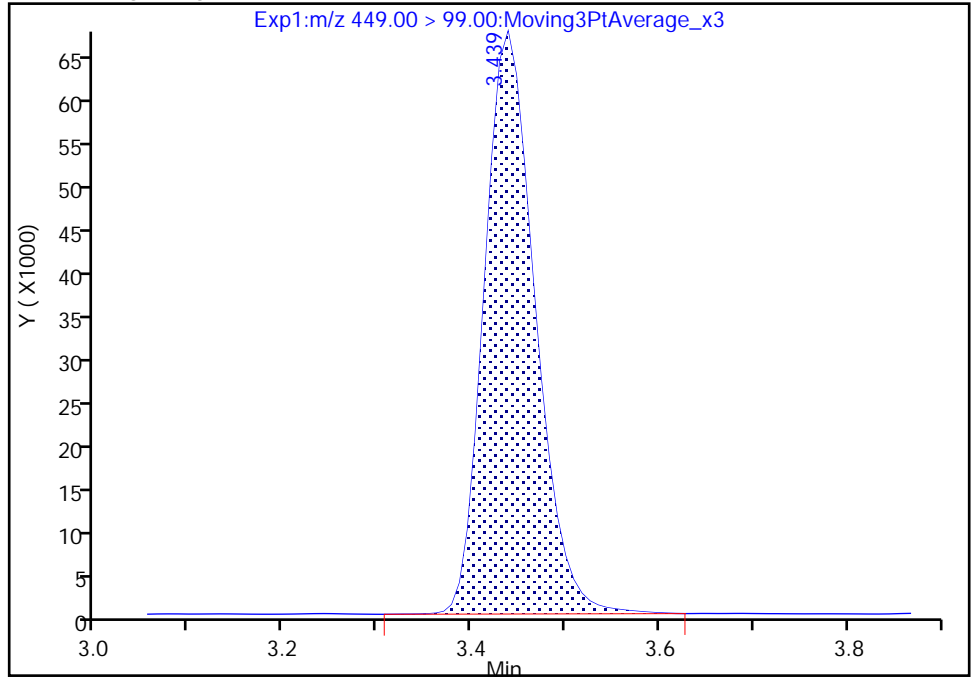
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

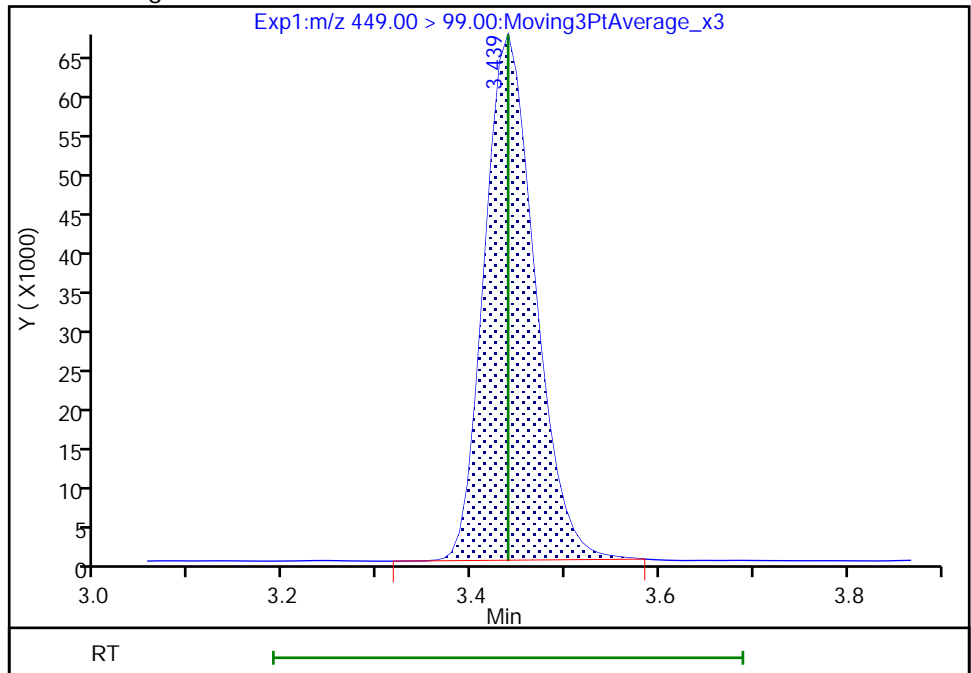
RT: 3.44
Area: 253988
Amount: 1.043678
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 252176
Amount: 1.033270
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:29:28

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

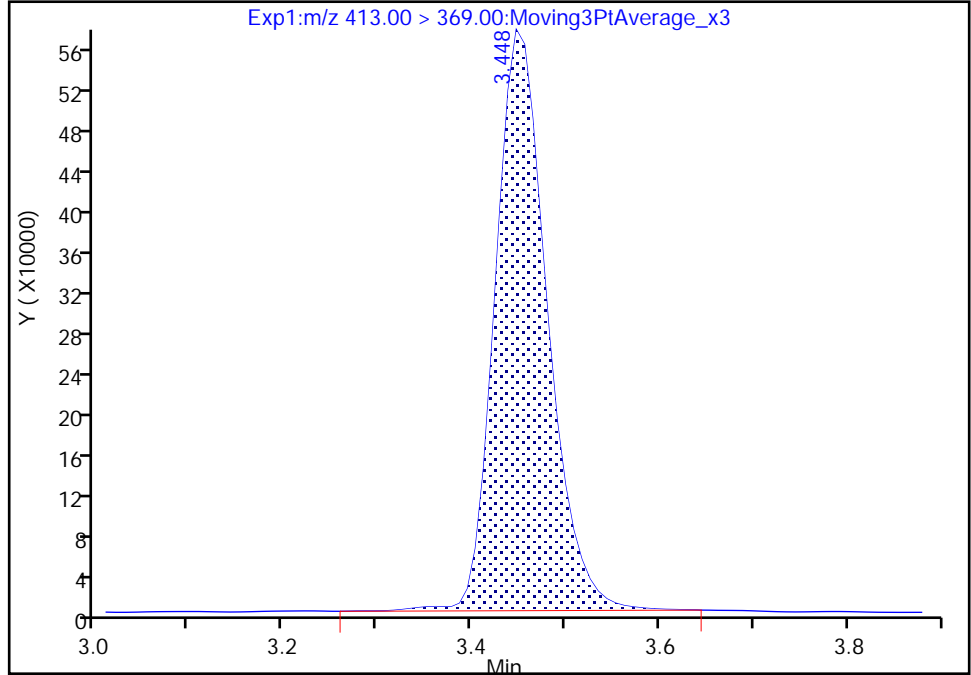
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

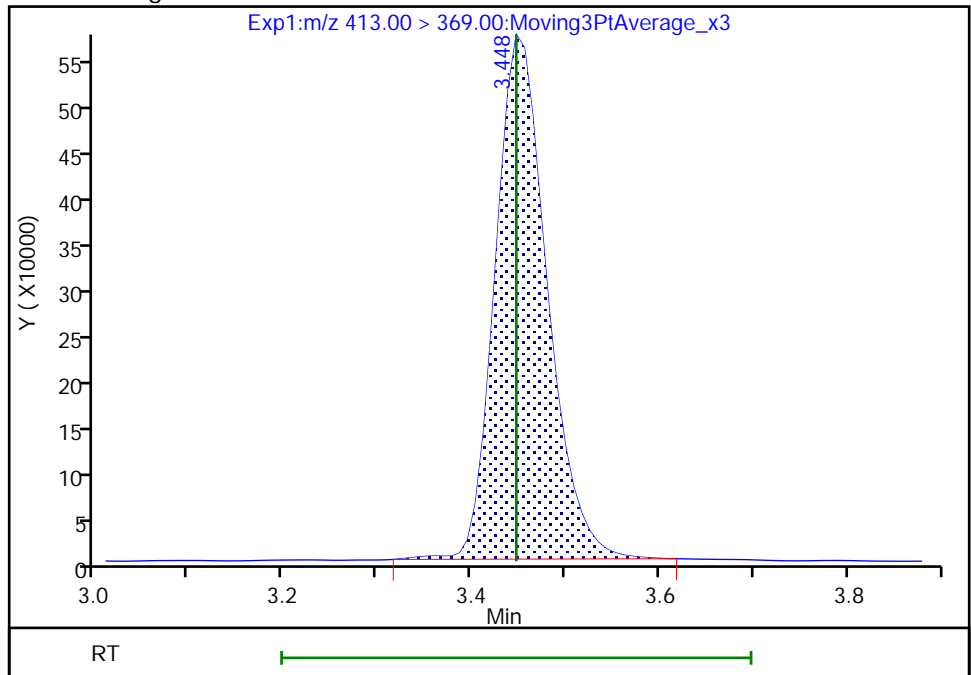
RT: 3.45
Area: 2210155
Amount: 1.028931
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 2197145
Amount: 1.022875
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:29:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

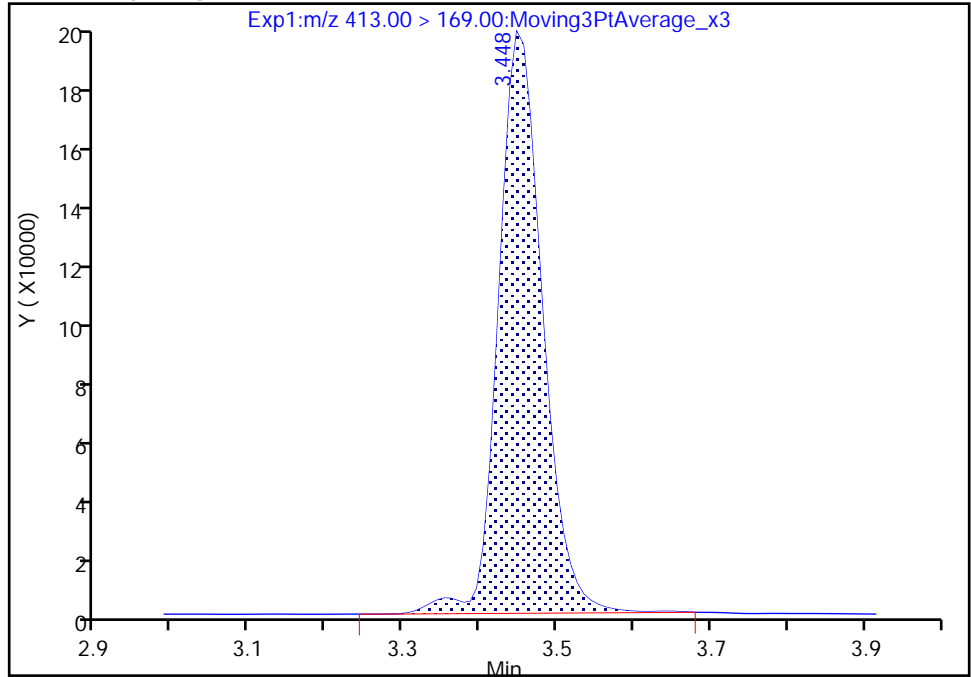
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

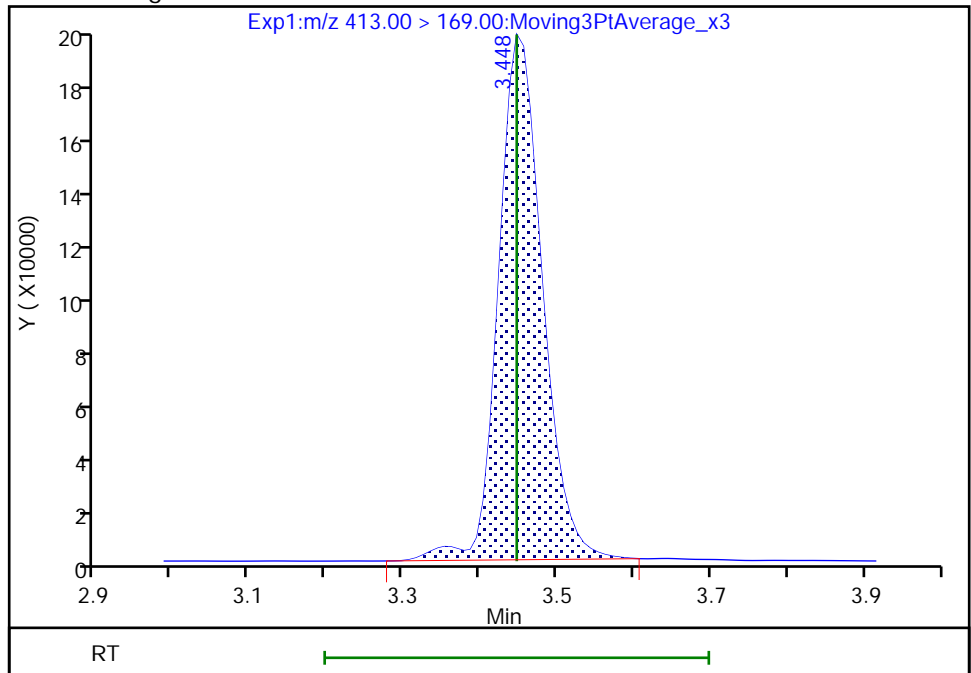
RT: 3.45
Area: 778853
Amount: 1.028931
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 773803
Amount: 1.022875
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:29:38

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

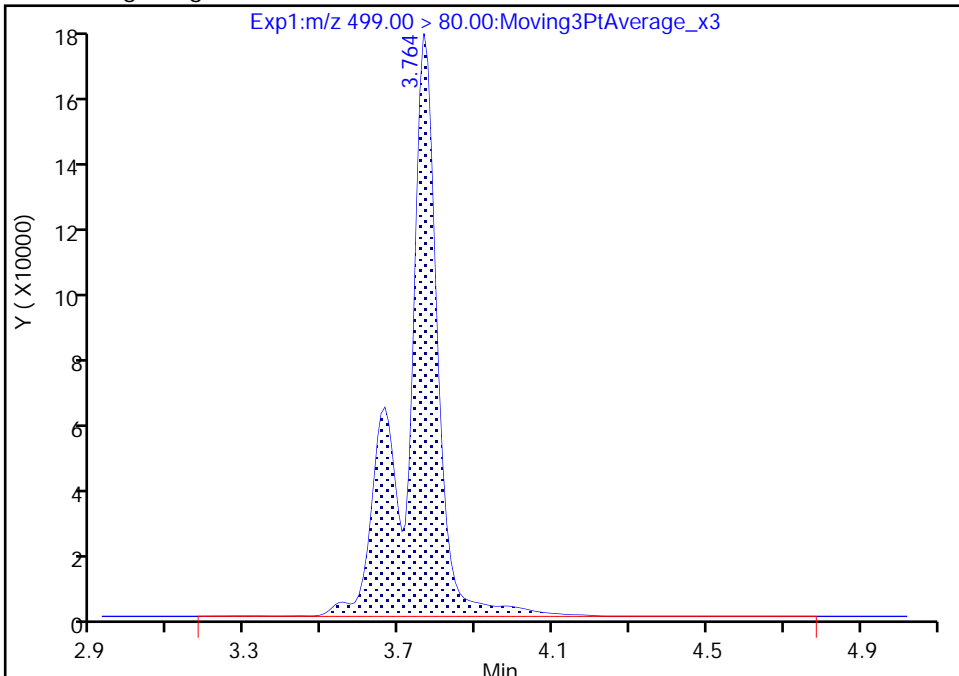
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

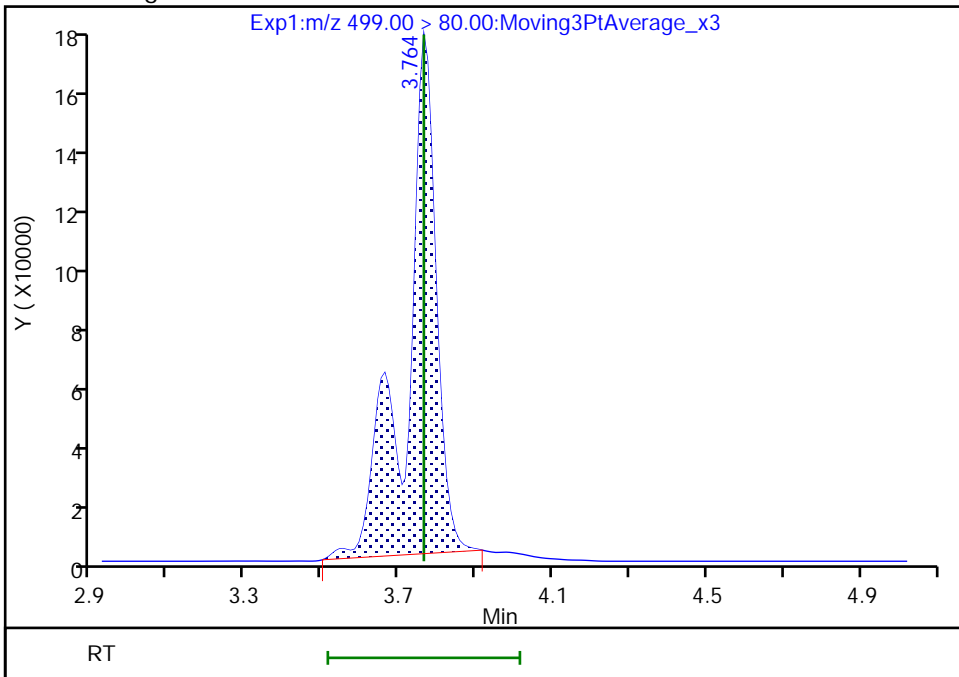
RT: 3.76
Area: 1017852
Amount: 0.925675
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 936613
Amount: 0.851793
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:29:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

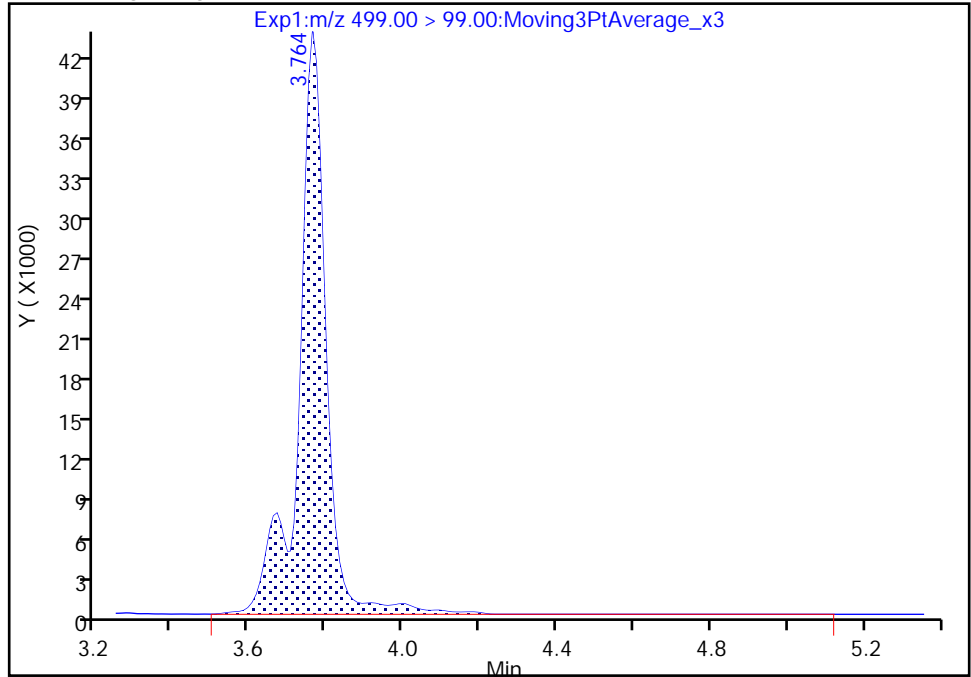
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

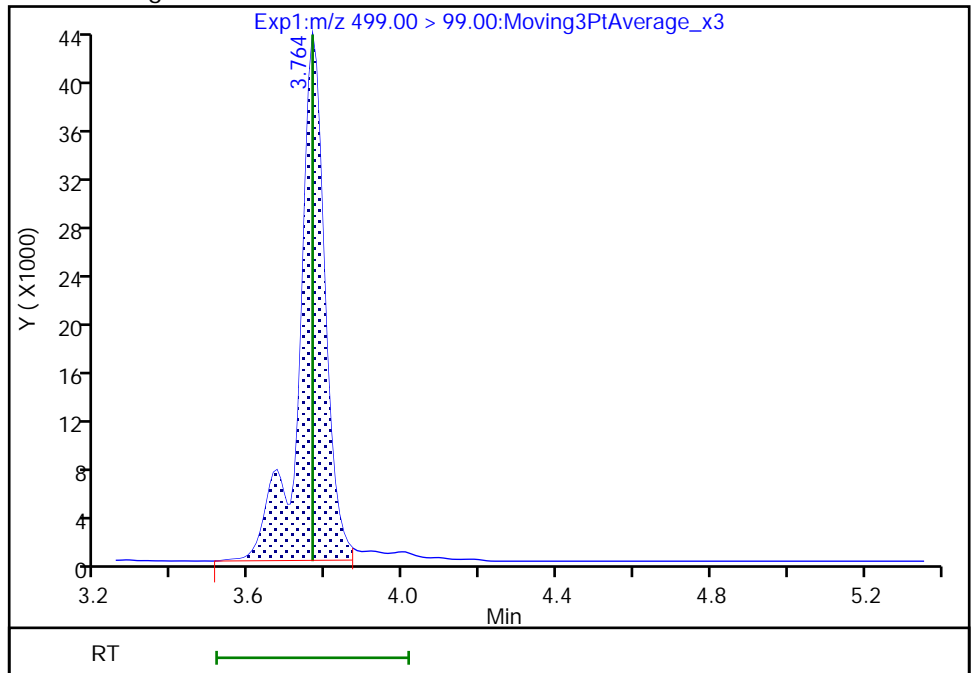
RT: 3.76
Area: 215493
Amount: 0.925675
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 204498
Amount: 0.851793
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:29:53

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

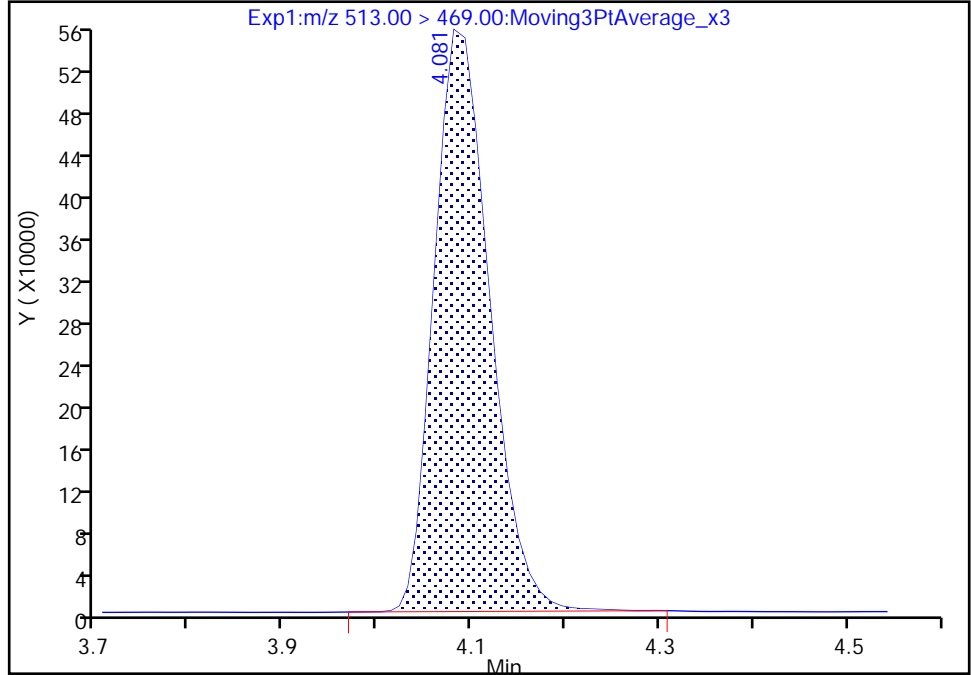
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

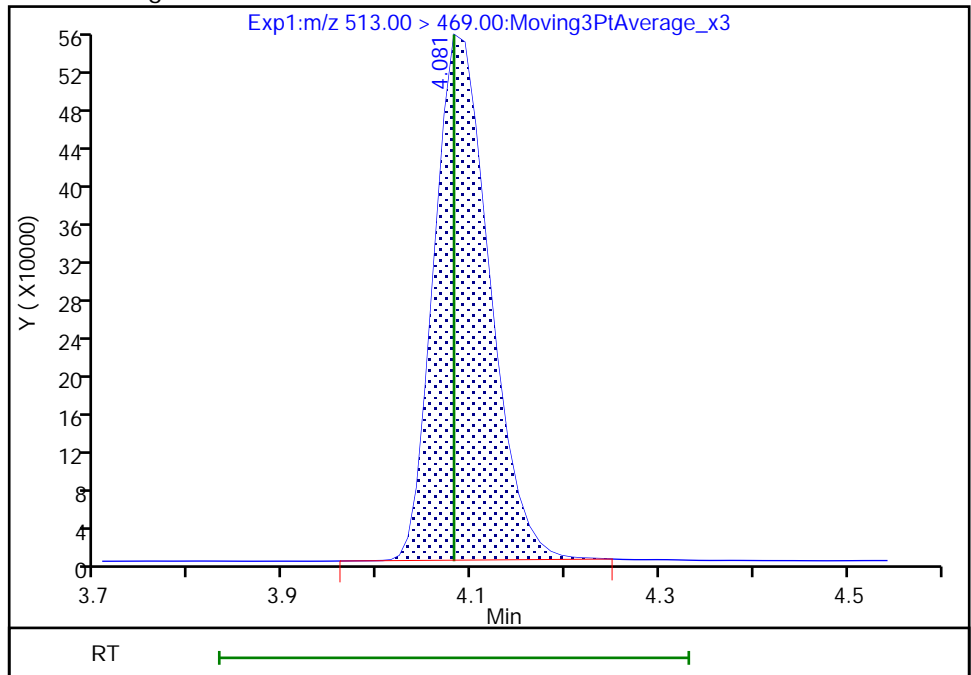
RT: 4.08
Area: 2277302
Amount: 1.004177
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 2269026
Amount: 1.000528
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:30:09
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

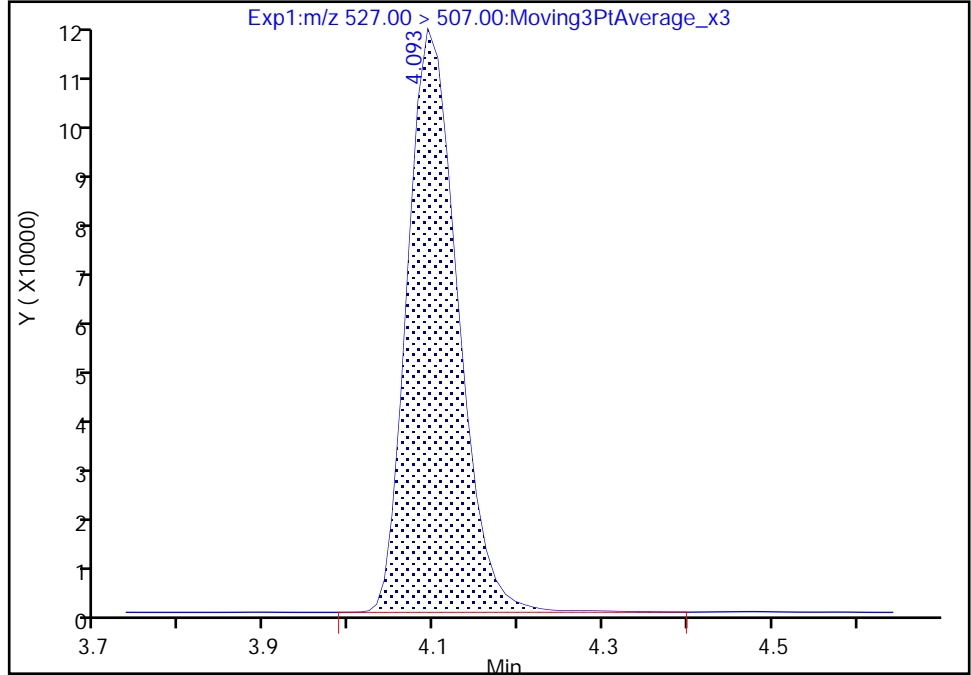
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

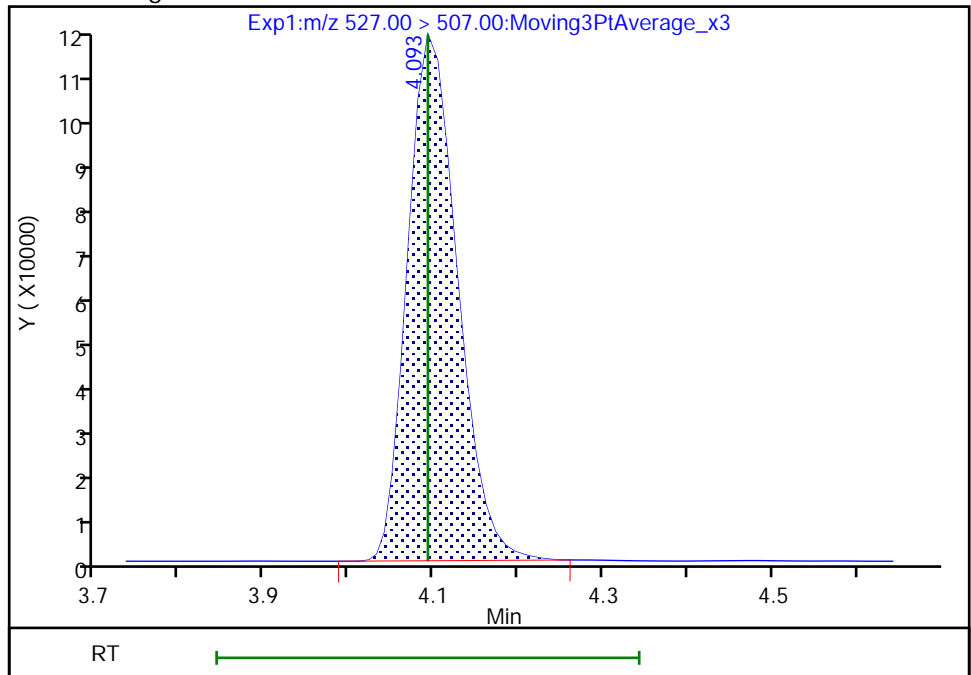
RT: 4.09
Area: 484745
Amount: 1.107834
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 481604
Amount: 1.100655
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:30:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

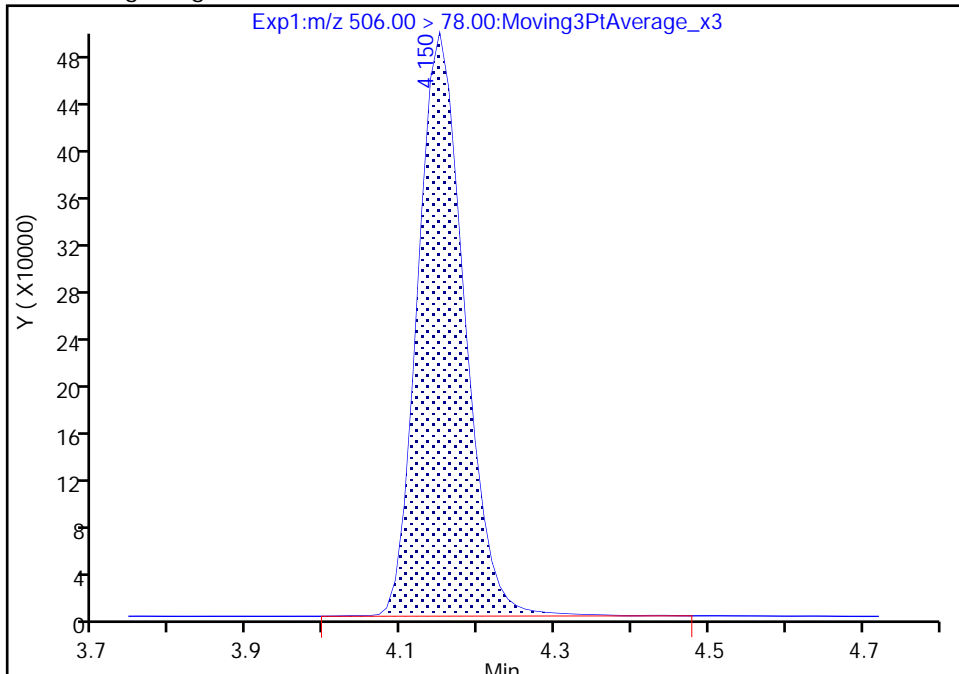
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

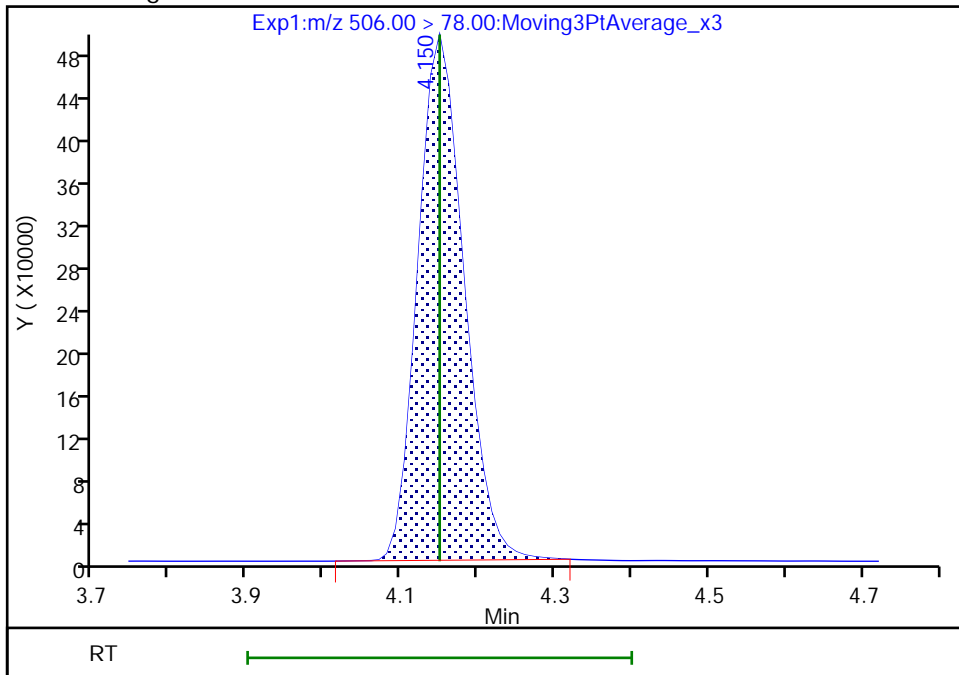
RT: 4.15
Area: 2074977
Amount: 1.063614
Amount Units: ng/ml

Processing Integration Results



RT: 4.15
Area: 2056044
Amount: 1.053909
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:30:42
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

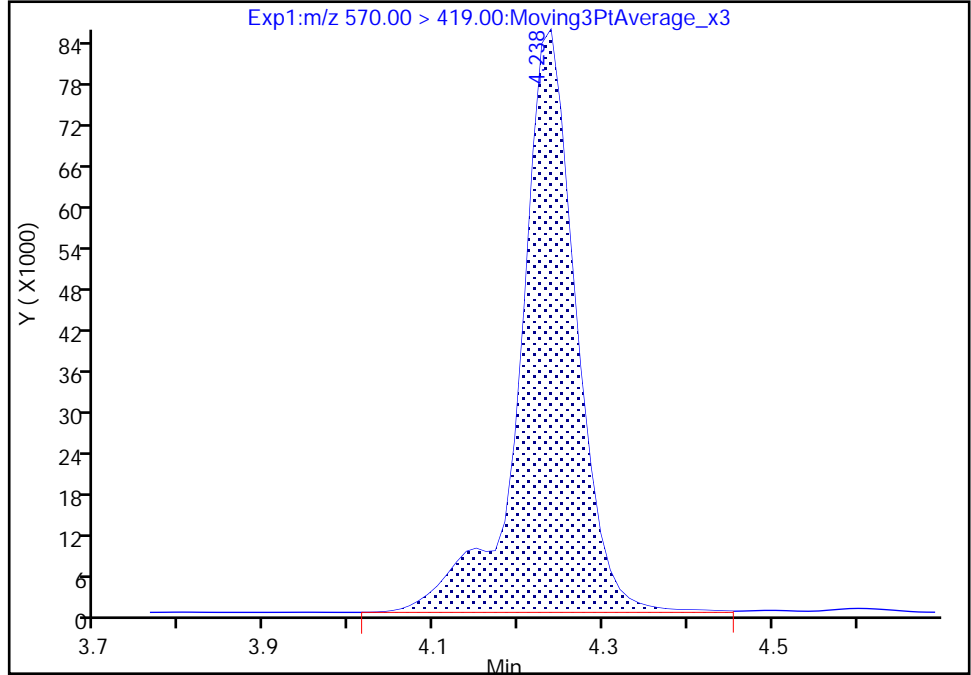
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

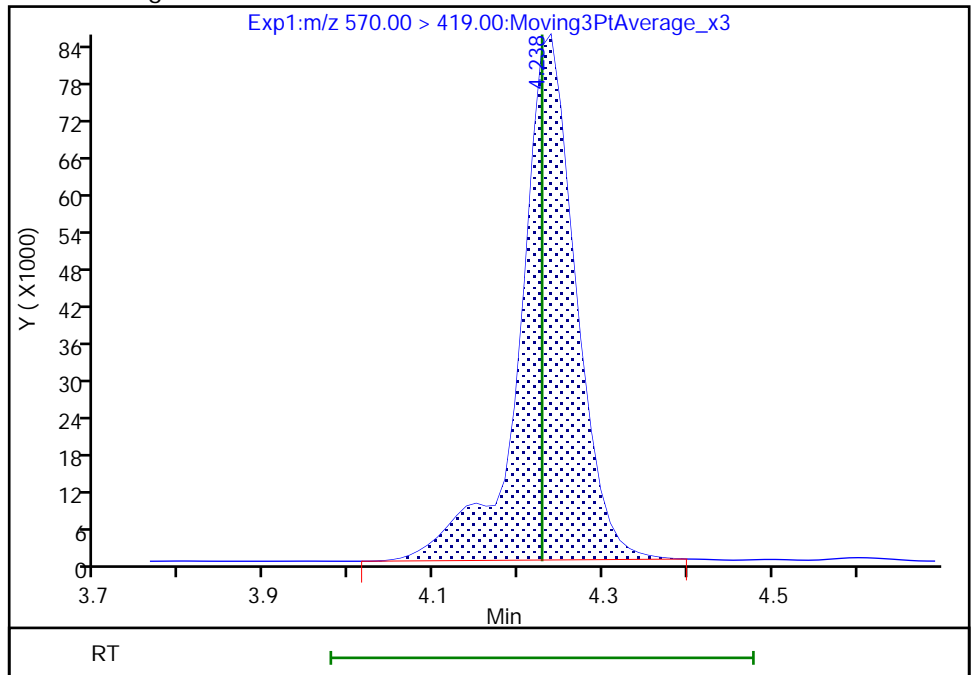
RT: 4.24
Area: 395419
Amount: 1.116920
Amount Units: ng/ml

Processing Integration Results



RT: 4.24
Area: 390455
Amount: 1.102753
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:31:37
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

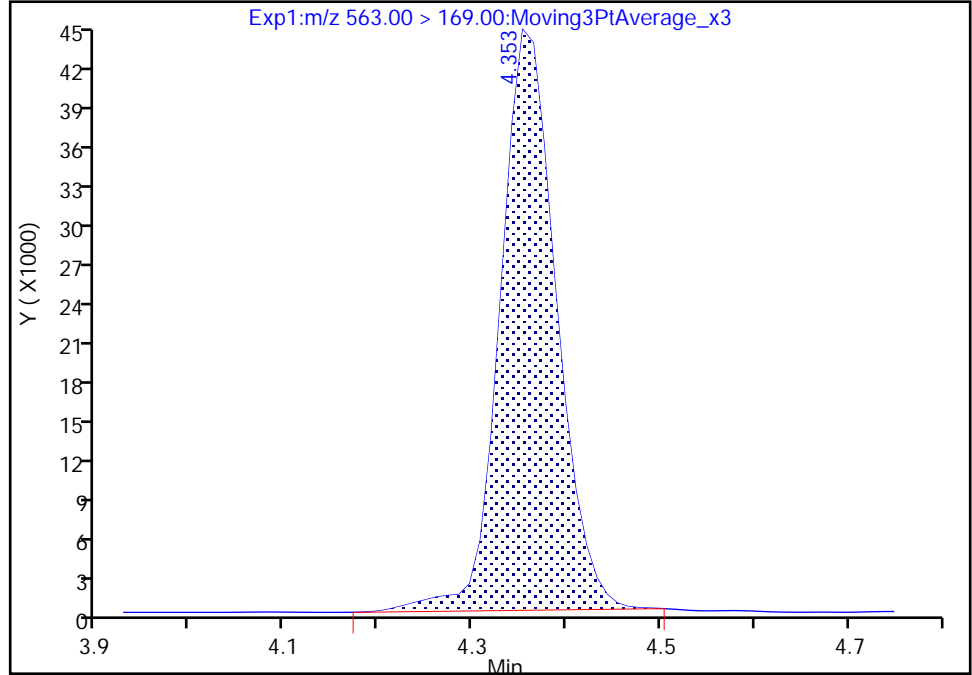
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

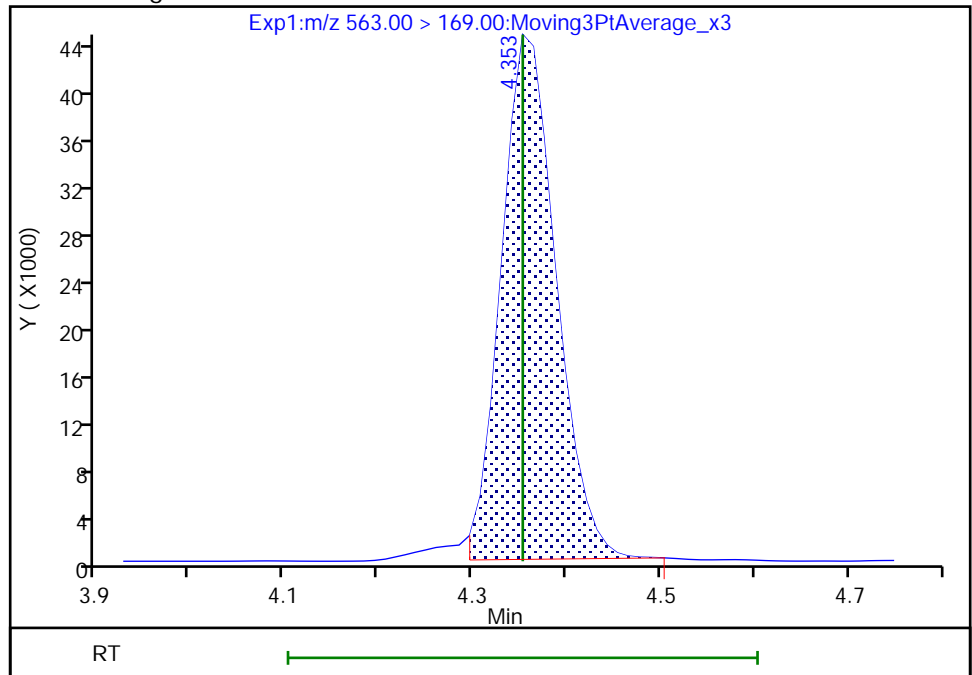
RT: 4.35
Area: 182508
Amount: 0.975318
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 177599
Amount: 0.962003
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:31:52
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

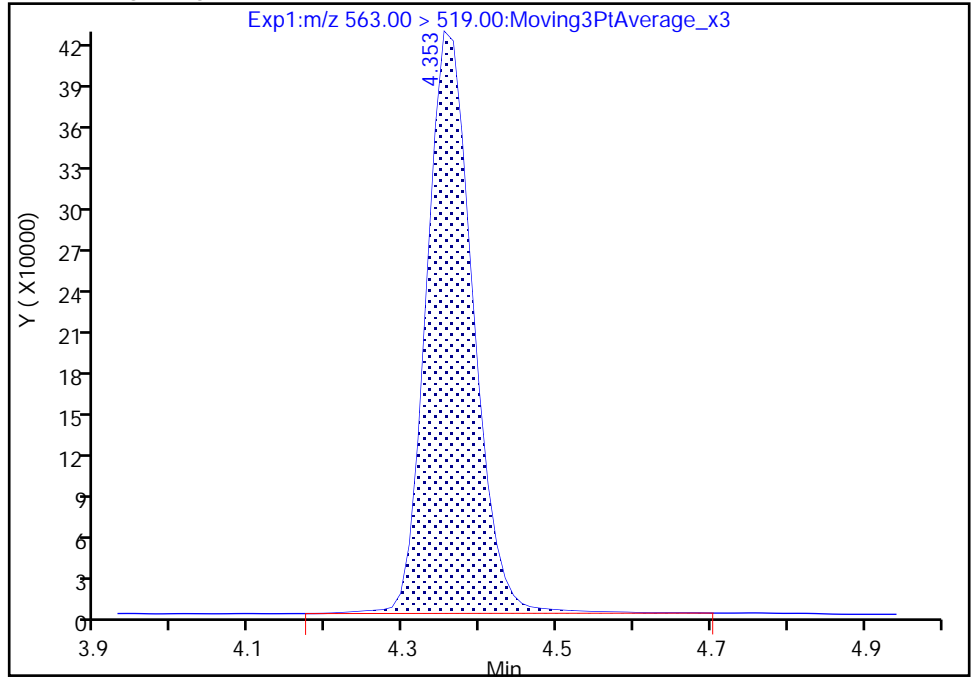
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

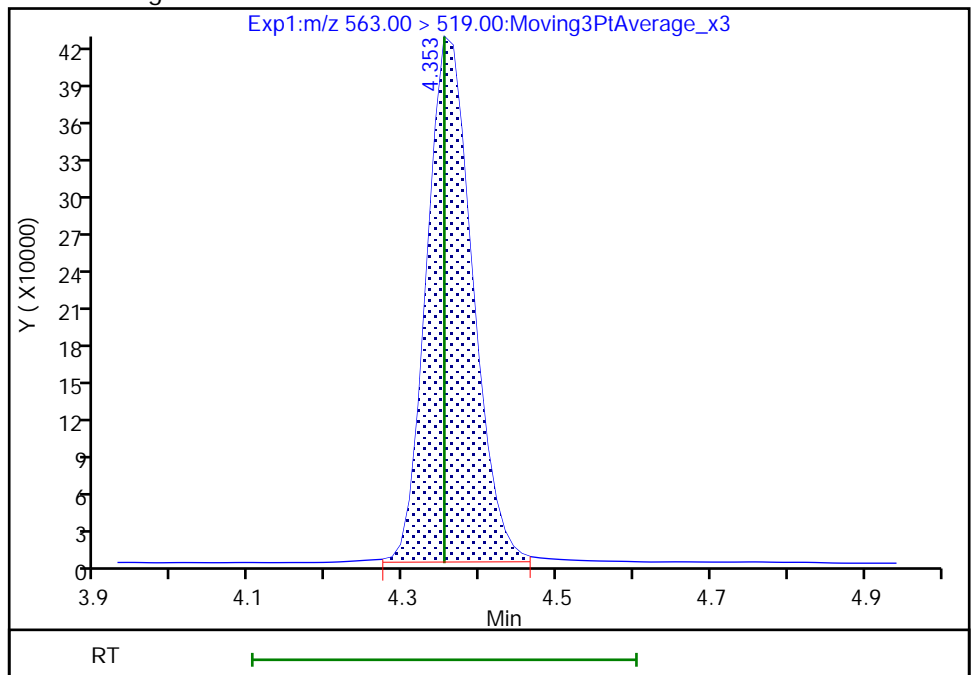
RT: 4.35
Area: 1763312
Amount: 0.975318
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 1739241
Amount: 0.962003
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:31:55

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

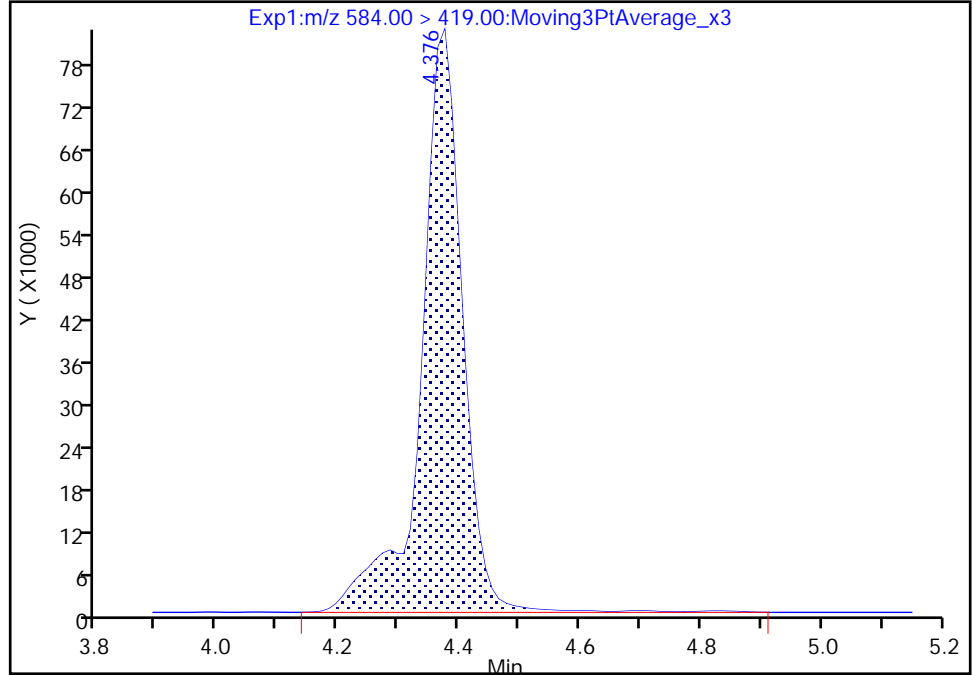
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

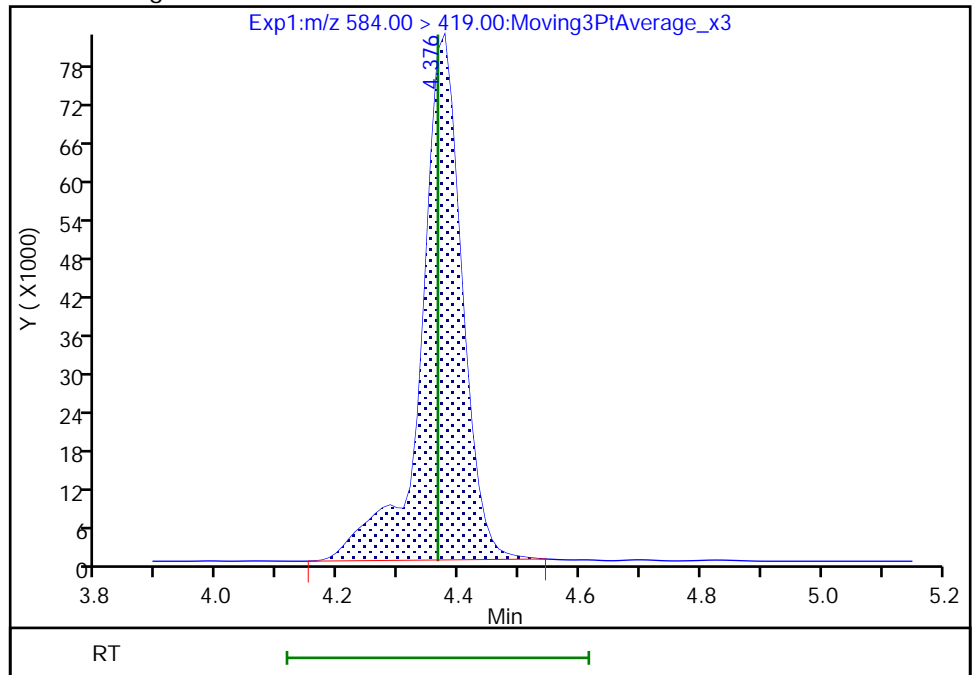
RT: 4.38
Area: 392736
Amount: 1.062553
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 385250
Amount: 1.042299
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:32:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

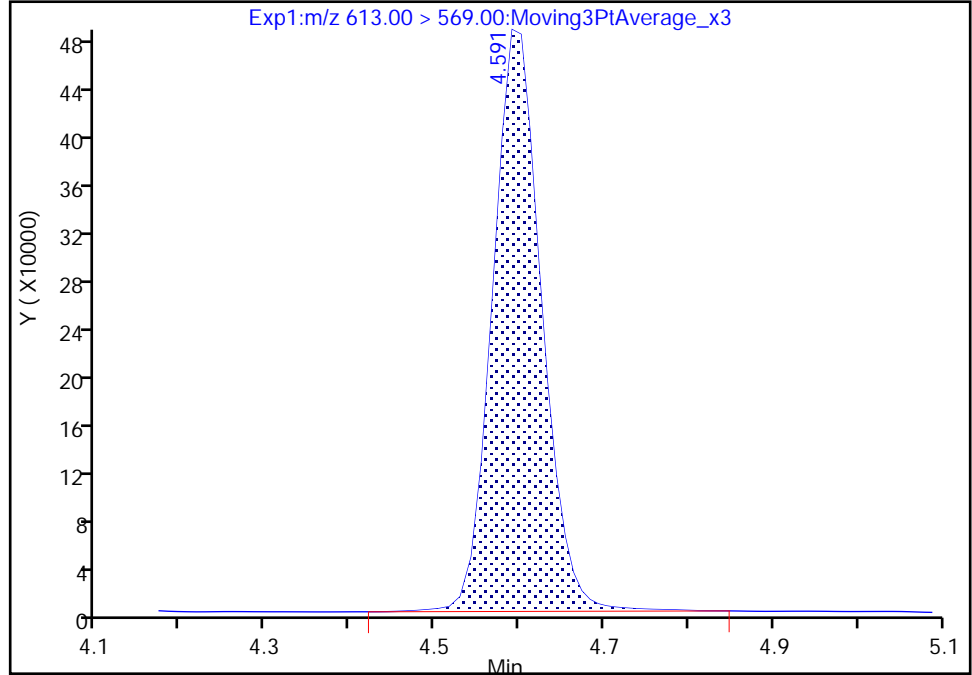
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

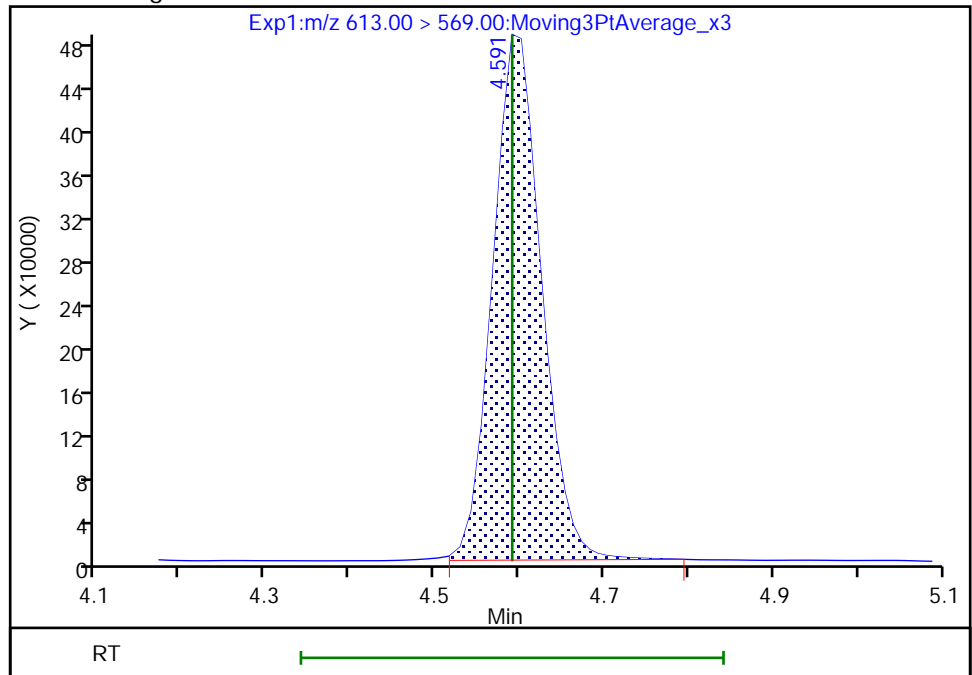
RT: 4.59
Area: 1962968
Amount: 0.983300
Amount Units: ng/ml

Processing Integration Results



RT: 4.59
Area: 1949526
Amount: 0.976567
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:32:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

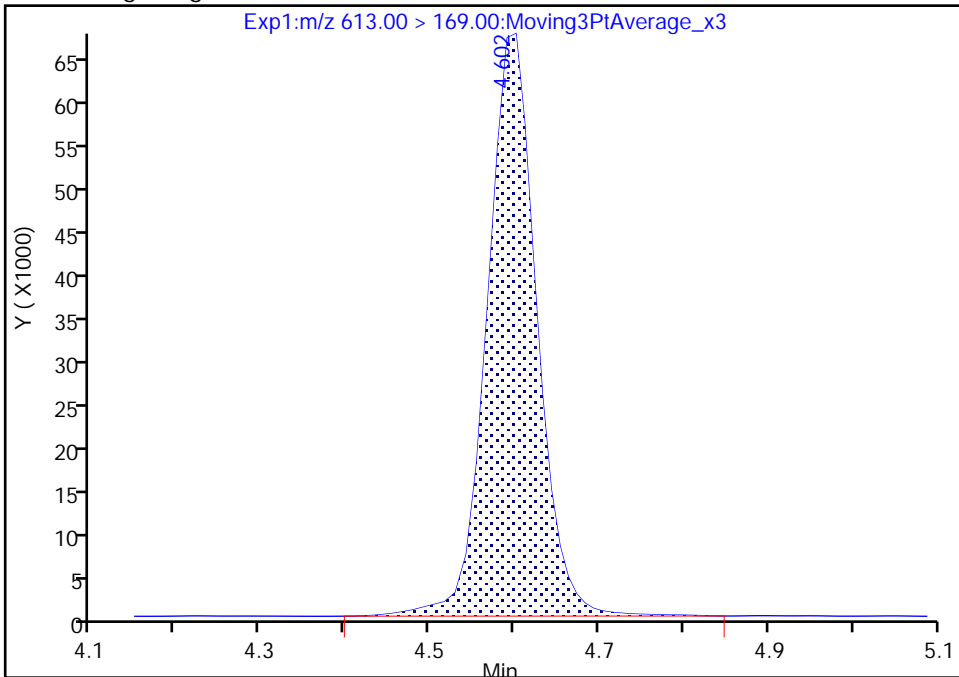
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

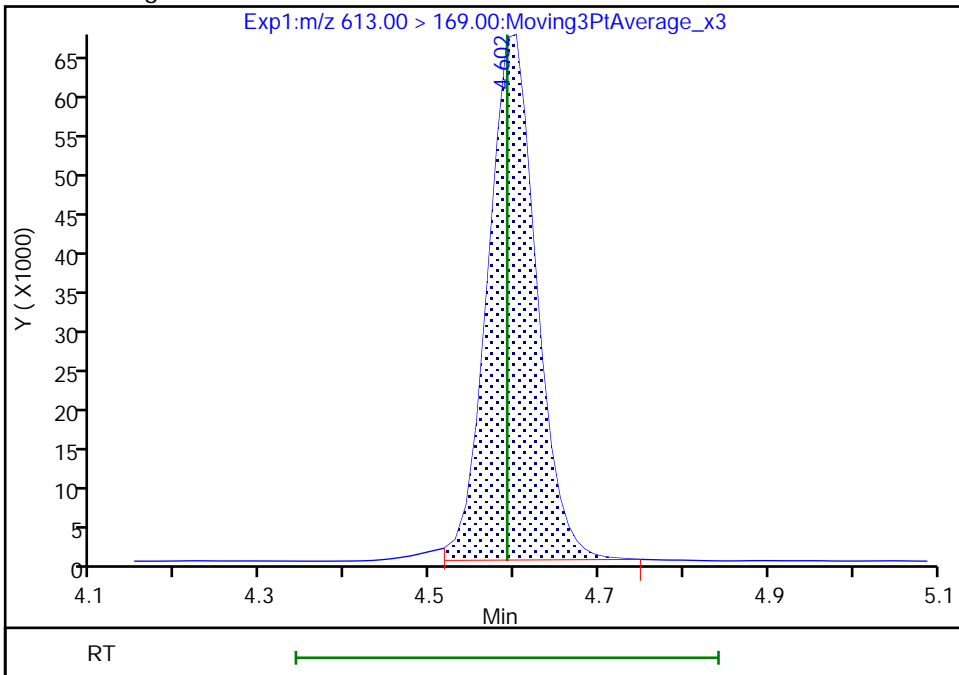
RT: 4.60
Area: 274375
Amount: 0.983300
Amount Units: ng/ml

Processing Integration Results



RT: 4.60
Area: 268146
Amount: 0.976567
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:32:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

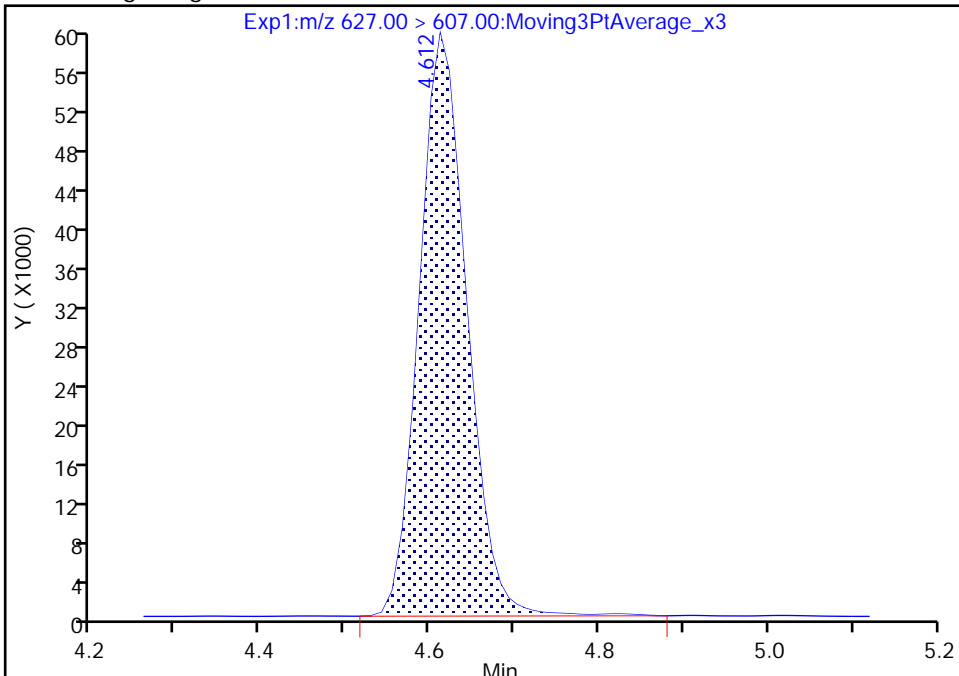
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

74 1H,1H,2H,2H-perfluorododecanesul, CAS: 120226-60-0

Signal: 1

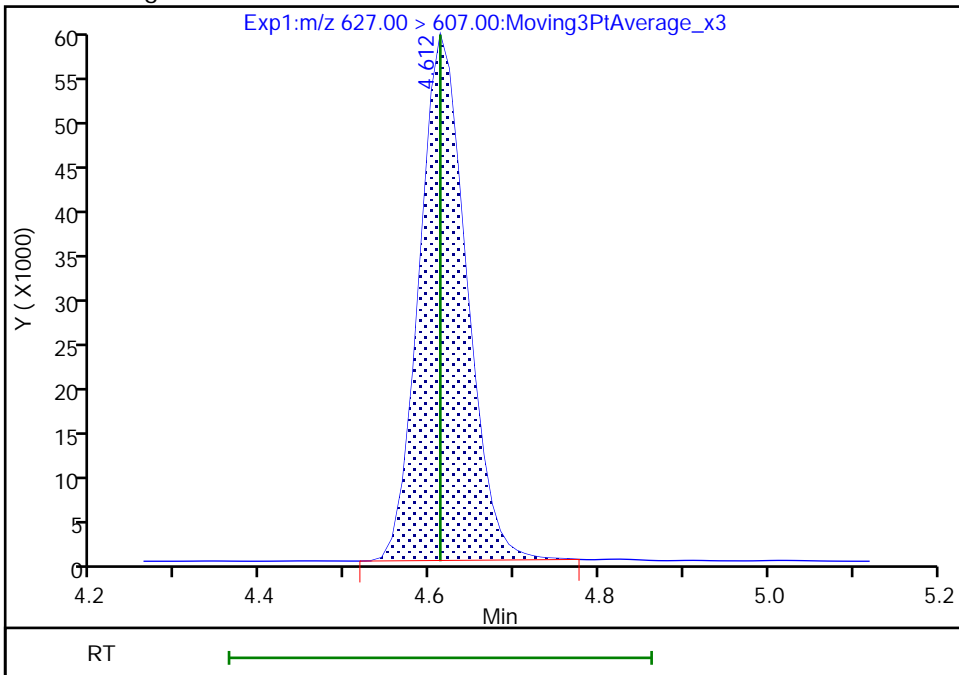
RT: 4.61
Area: 231961
Amount: 0.882195
Amount Units: ng/ml

Processing Integration Results



RT: 4.61
Area: 230011
Amount: 0.874779
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:32:23
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

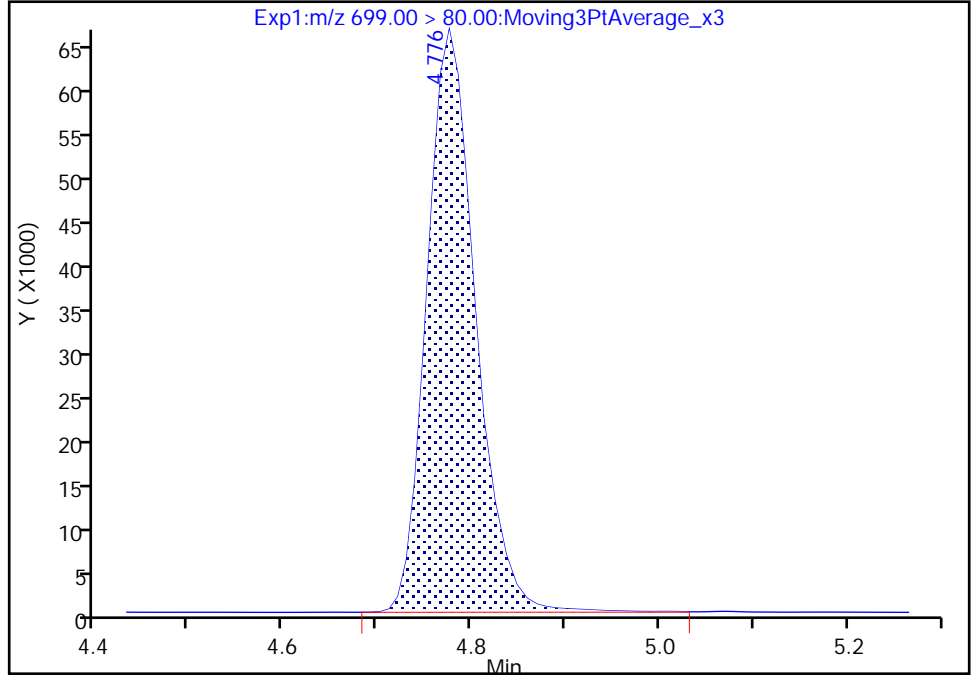
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

75 Perfluorododecanesulfonic acid (, CAS: 79780-39-5

Signal: 1

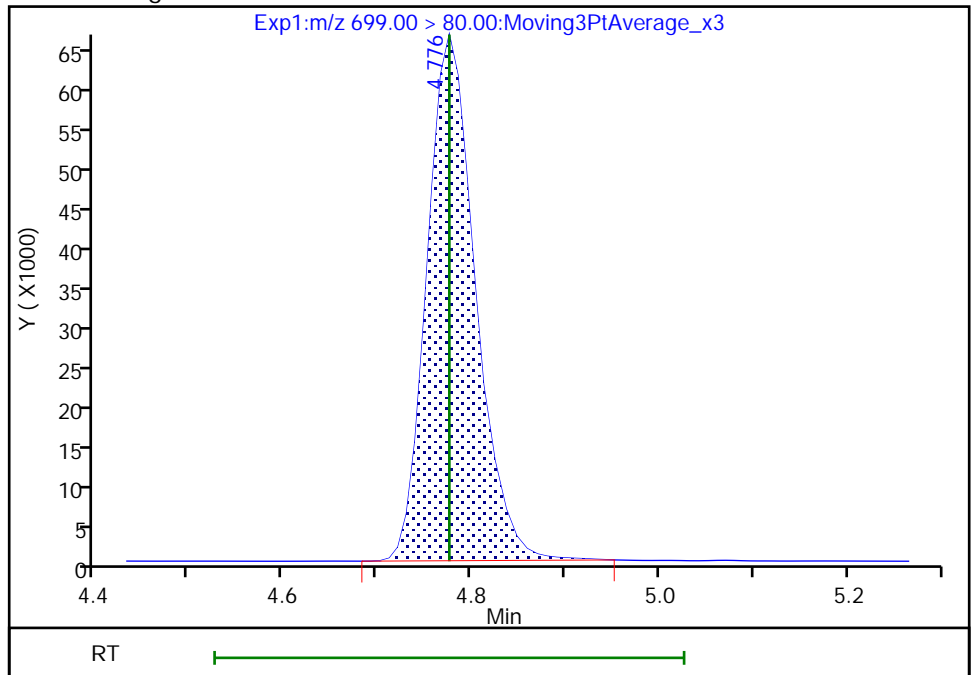
RT: 4.78
Area: 238904
Amount: 0.861661
Amount Units: ng/ml

Processing Integration Results



RT: 4.78
Area: 237361
Amount: 0.856095
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:32:28
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

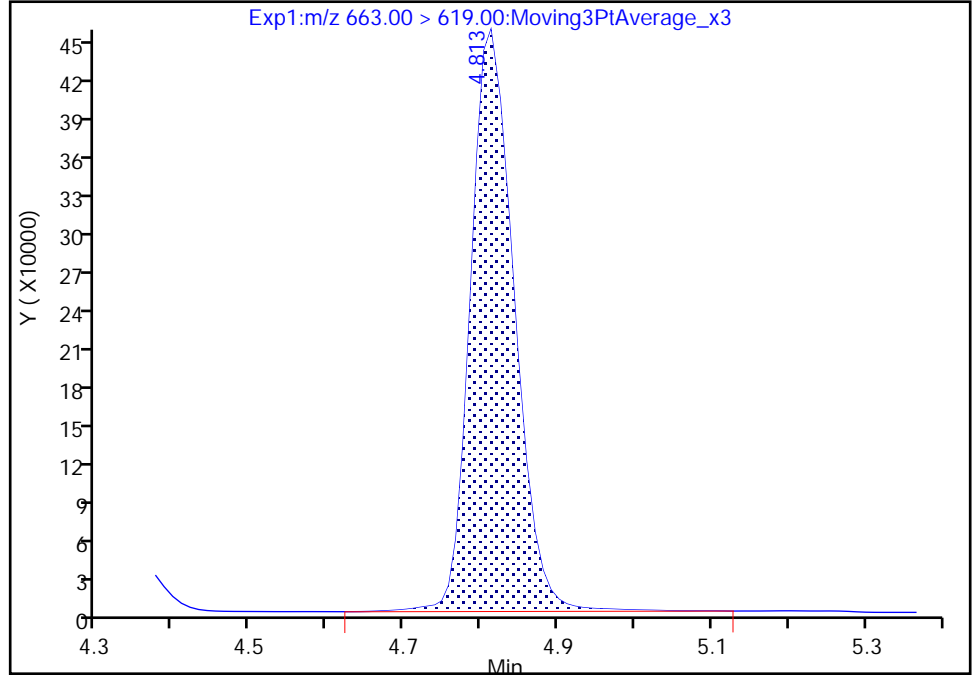
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

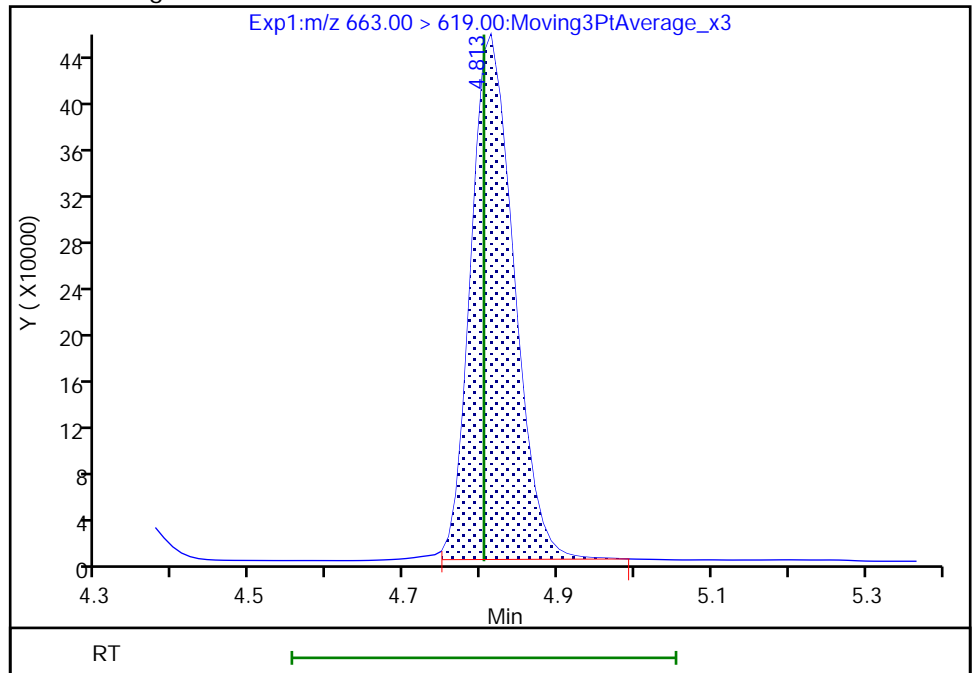
RT: 4.81
Area: 1771634
Amount: 0.927951
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 1741096
Amount: 0.911955
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:32:40
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

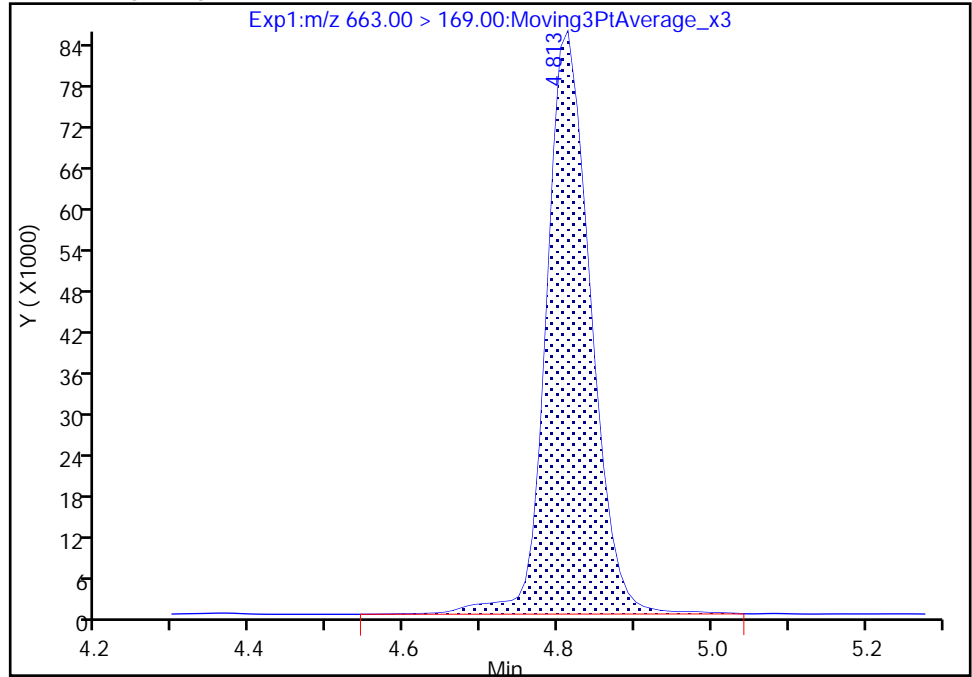
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

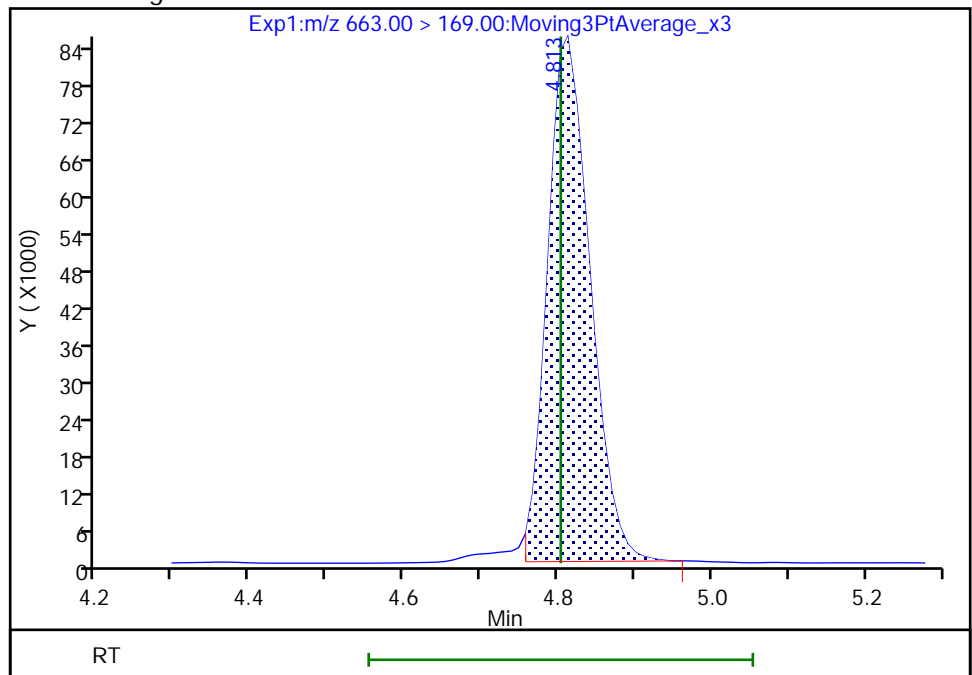
RT: 4.81
Area: 339583
Amount: 0.927951
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 325181
Amount: 0.911955
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:32:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

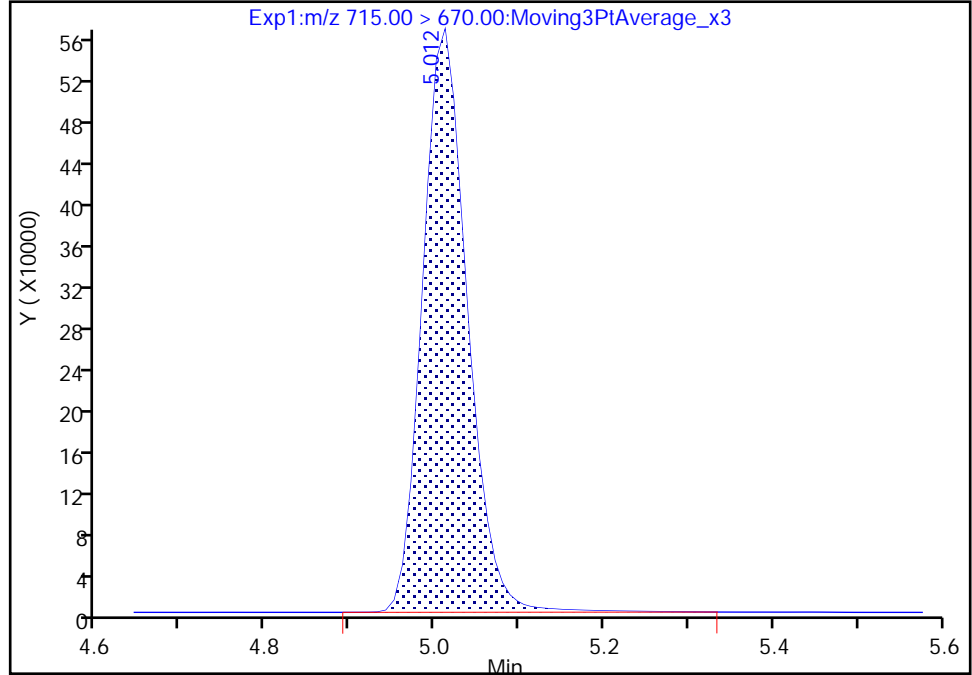
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116
Signal: 1

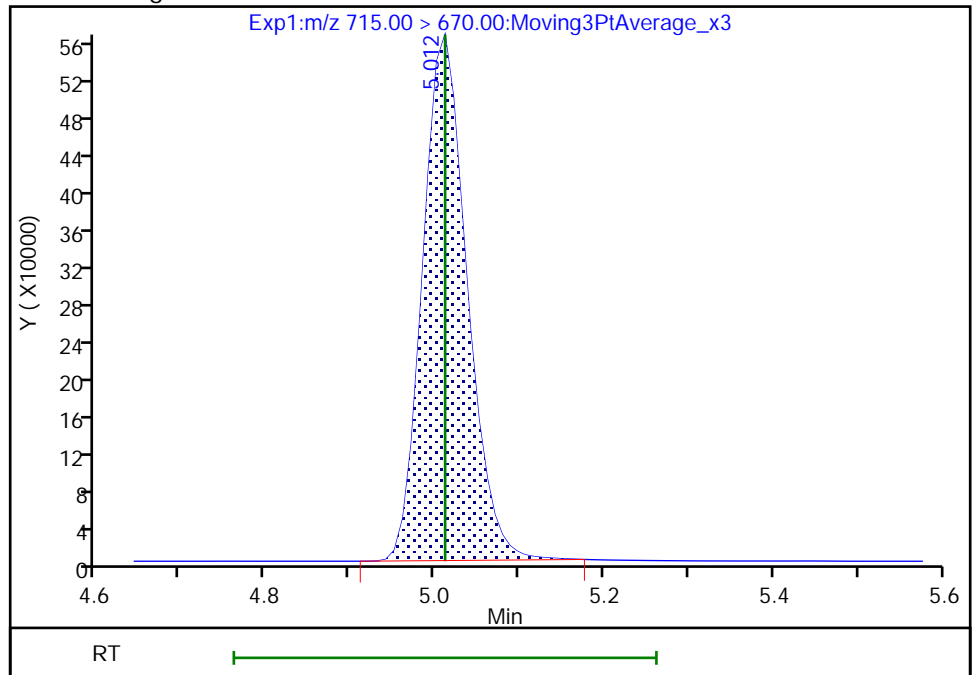
RT: 5.01
Area: 2079061
Amount: 1.082778
Amount Units: ng/ml

Processing Integration Results



RT: 5.01
Area: 2059701
Amount: 1.072695
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:32:51
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

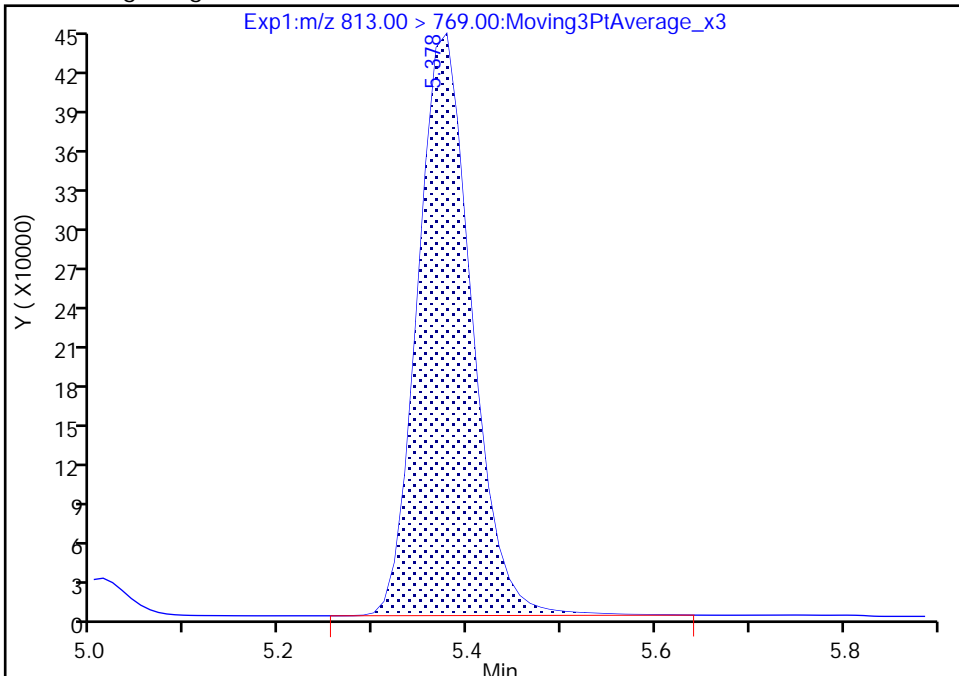
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

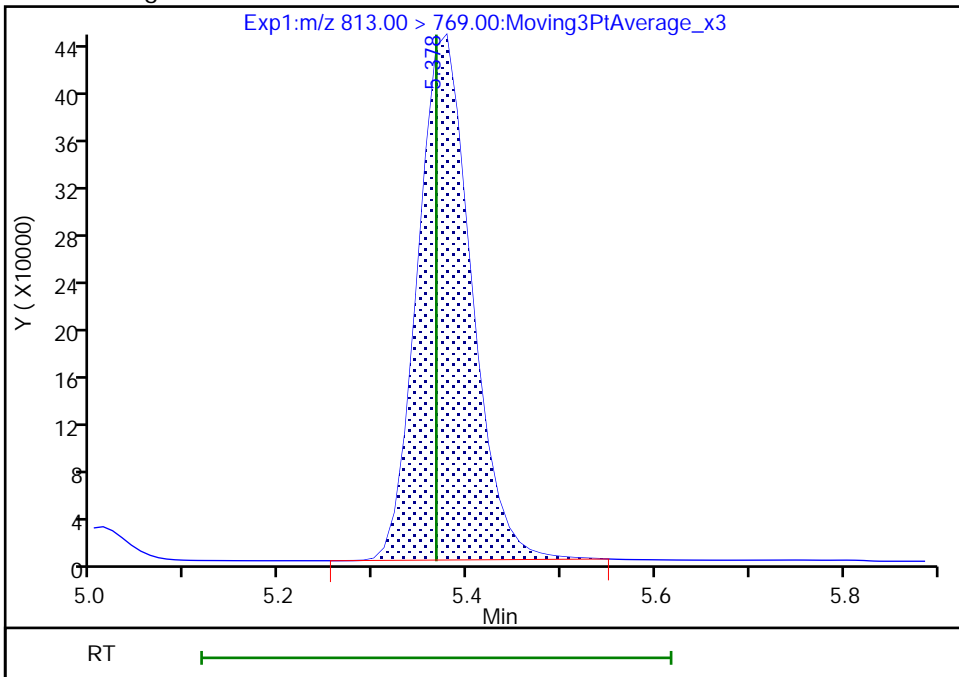
RT: 5.38
Area: 1762767
Amount: 0.891091
Amount Units: ng/ml

Processing Integration Results



RT: 5.38
Area: 1751027
Amount: 0.885043
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:32:58
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

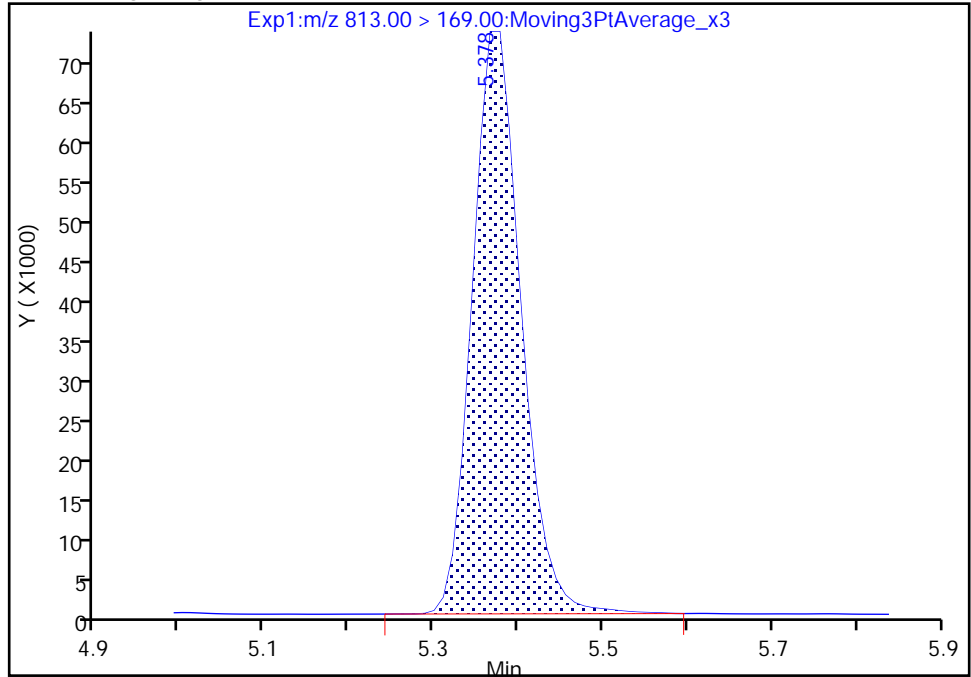
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

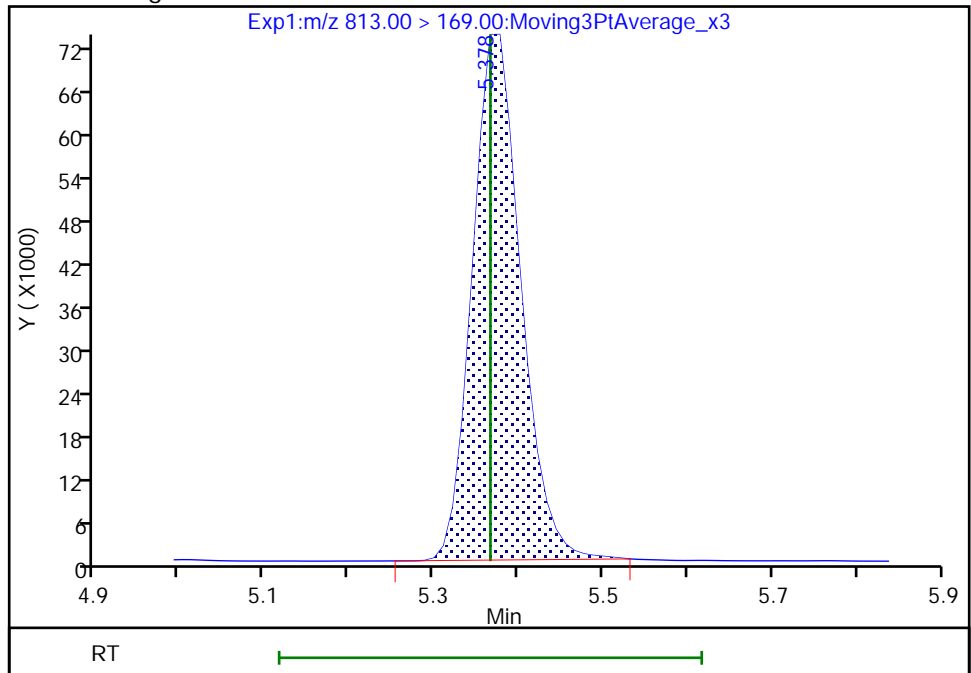
RT: 5.38
Area: 294445
Amount: 0.891091
Amount Units: ng/ml

Processing Integration Results



RT: 5.38
Area: 292027
Amount: 0.885043
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:33:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

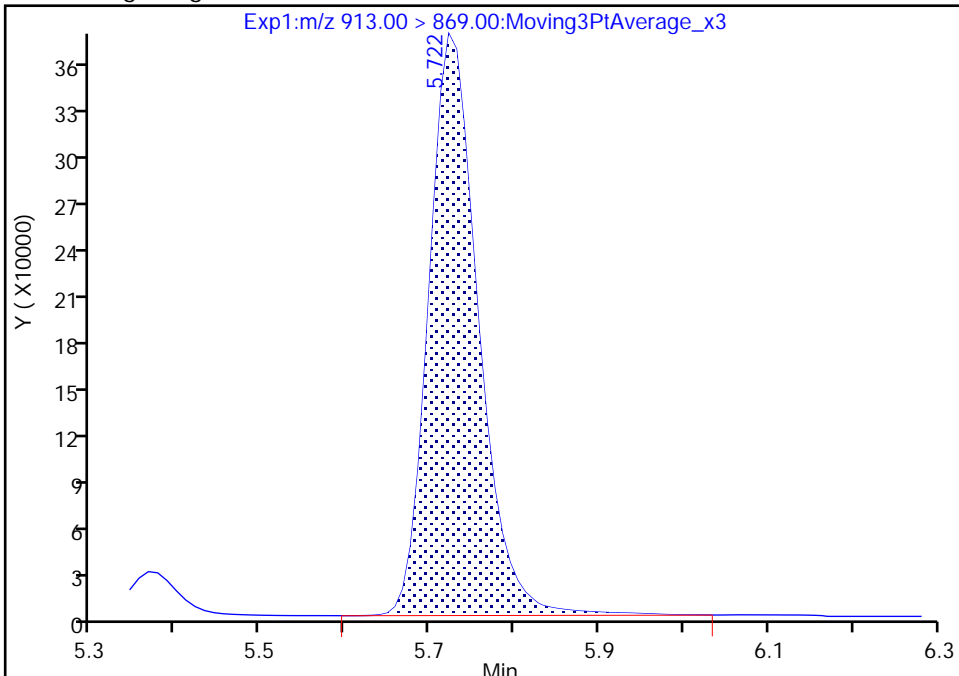
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

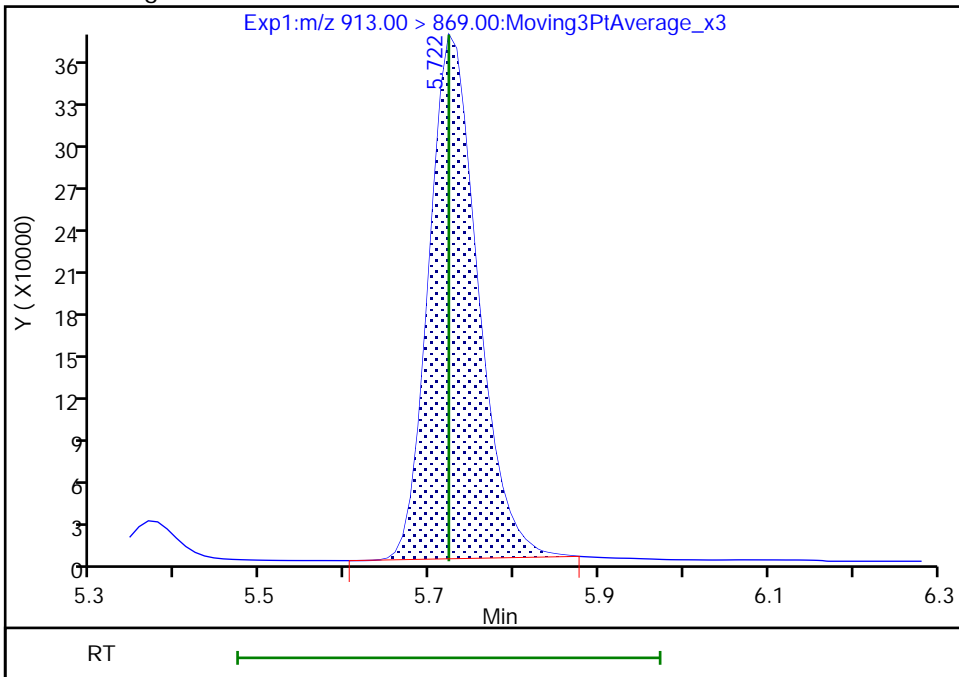
RT: 5.72
Area: 1522976
Amount: 0.876013
Amount Units: ng/ml

Processing Integration Results



RT: 5.72
Area: 1490002
Amount: 0.857046
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:33:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

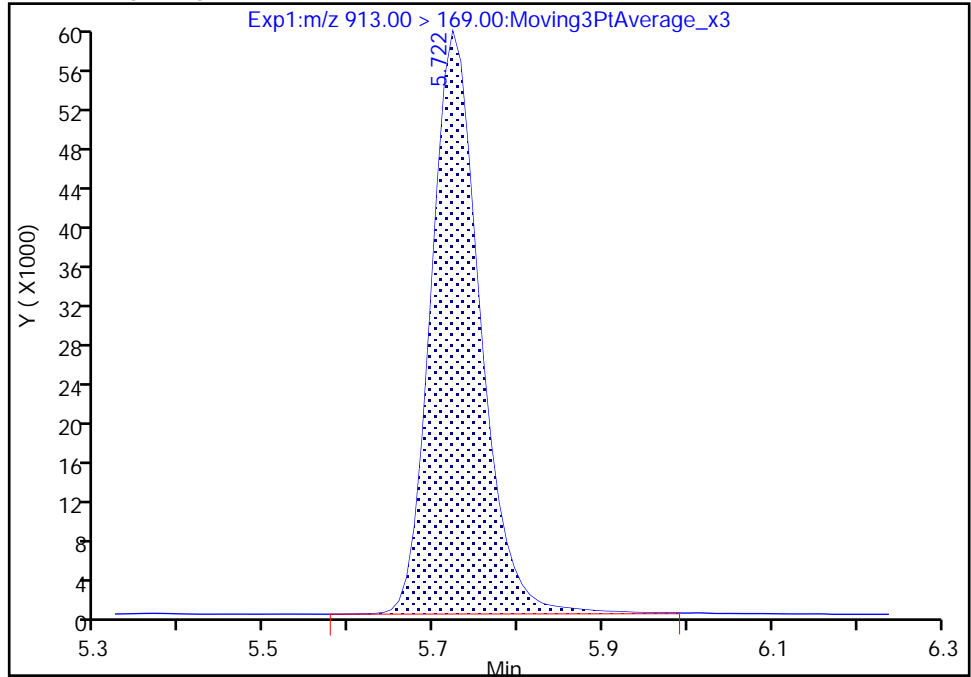
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

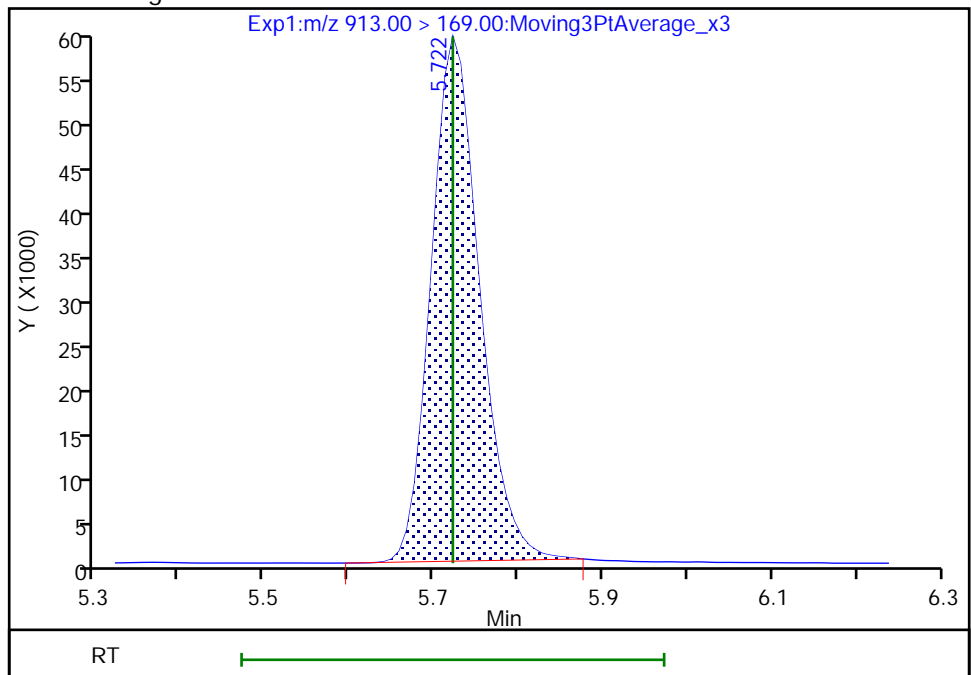
RT: 5.72
Area: 238468
Amount: 0.876013
Amount Units: ng/ml

Processing Integration Results



RT: 5.72
Area: 233541
Amount: 0.857046
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:33:09

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Lab Sample ID: CCVLIS 200-186513/5 Calibration Date: 12/08/2022 15:21
 Instrument ID: LC812 Calib Start Date: 11/18/2022 14:29
 GC Column: C-18 ID: 4.60 (mm) Calib End Date: 11/18/2022 15:10
 Lab File ID: PA221208A05.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	1.031	1.133		0.137	0.125	9.8	50.0
Perfluoropentanoic acid (PFPeA)	AveID	1.090	1.156		0.0530	0.0500	6.1	50.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.144	1.170		0.0452	0.0442	2.2	50.0
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	3.081	2.849		0.0432	0.0467	-7.5	50.0
Perfluorohexanoic acid (PFHxA)	AveID	1.090	1.152		0.0529	0.0500	5.7	50.0
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.335	1.252		0.0440	0.0469	-6.2	50.0
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.056	1.027		0.0973	0.100	-2.7	50.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.129	1.182		0.0477	0.0455	4.8	50.0
Perfluoroheptanoic acid (PFHpA)	AveID	1.089	1.063		0.0488	0.0500	-2.4	50.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	5.507	4.829		0.0413	0.0471	-12.3	50.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.397	1.374		0.0468	0.0476	-1.6	50.0
6:2 FTS	L1ID		2.024		0.102	0.119	-14.2	50.0
Perfluorooctanoic acid (PFOA)	AveID	1.069	1.087		0.0508	0.0500	1.7	50.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.216	1.198		0.0457	0.0464	-1.5	50.0
Perfluorononanoic acid (PFNA)	AveID	1.037	0.9602		0.0463	0.0500	-7.4	50.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	AveID	2.791	2.567		0.0429	0.0466	-8.0	50.0
Perfluorononanesulfonic acid (PFNS)	AveID	0.9179	0.8604		0.0450	0.0480	-6.3	50.0
Perfluorodecanoic acid (PFDA)	AveID	1.084	1.055		0.0486	0.0500	-2.7	50.0
8:2 FTS	AveID	1.617	1.524		0.0451	0.0479	-5.8	50.0
Perfluorooctanesulfonamide (FOSA)	AveID	1.045	0.9782		0.0468	0.0500	-6.4	50.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	L1ID		0.8670		0.114	0.125	-8.5	50.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.7248	0.6652		0.0442	0.0482	-8.2	50.0
Perfluoroundecanoic acid (PFUnA)	AveID	1.008	0.9657		0.0479	0.0500	-4.2	50.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.8953	0.8047		0.112	0.125	-10.1	50.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF)	AveID	4.303	4.018		0.0440	0.0471	-6.6	50.0
Perfluorododecanoic acid (PFDoA)	AveID	1.059	1.036		0.0489	0.0500	-2.2	50.0
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	AveID	0.9717	1.004		0.0498	0.0482	3.4	50.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.3067	0.2955		0.0466	0.0484	-3.6	50.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Lab Sample ID: CCVLIS 200-186513/5 Calibration Date: 12/08/2022 15:21
 Instrument ID: LC812 Calib Start Date: 11/18/2022 14:29
 GC Column: C-18 ID: 4.60 (mm) Calib End Date: 11/18/2022 15:10
 Lab File ID: PA221208A05.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorotridecanoic acid (PFTriA)	AveID	1.013	1.083		0.0535	0.0500	6.9	50.0
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1369	0.1401		0.0512	0.0500	2.4	50.0
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		1.134		0.0446	0.0500	-10.9	50.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.8236	0.8237		0.0500	0.0500	0.0	50.0
13C4 PFBA	Ave	1.122	1.044		1.16	1.25	-6.9	
13C5 PFPeA	Ave	0.8543	0.8011		1.17	1.25	-6.2	
13C3 PFBS	Ave	0.9281	0.9374		1.17	1.16	1.0	
M2-4:2 FTS	Ave	0.0820	0.0847		1.21	1.17	3.2	
13C2 PFHxA	Ave	0.8951	0.8784		1.23	1.25	-1.9	
13C3 HFPO-DA	Ave	0.1580	0.1511		1.20	1.25	-4.3	
18O2 PFHxS	Ave	0.6761	0.7255		1.27	1.18	7.3	
13C4 PFHpA	Ave	0.9206	0.8816		1.20	1.25	-4.2	
M2-6:2 FTS	Ave	0.1134	0.1237		1.30	1.19	9.1	
13C4 PFOA	Ave	1.035	1.007		1.22	1.25	-2.7	
13C4 PFOS	Ave	0.4588	0.5046		1.31	1.20	10.0	
13C5 PFNA	Ave	1.006	1.003		1.25	1.25	-0.3	
13C2 PFDA	Ave	1.025	1.034		1.26	1.25	0.9	
M2-8:2 FTS	Ave	0.1387	0.1499		1.30	1.20	8.1	
13C8 FOSA	Ave	0.8403	0.8899		1.32	1.25	5.9	
d3-NMeFOSAA	Ave	0.2087	0.2110		1.26	1.25	1.1	
13C2 PFUnA	Ave	0.9385	0.9792		1.30	1.25	4.3	
d5-NEtFOSAA	Ave	0.2055	0.2139		1.30	1.25	4.1	
13C2 PFDoA	Ave	0.9562	0.9635		1.26	1.25	0.8	
13C2 PFTeDA	Ave	0.8270	0.8974		1.36	1.25	8.5	
13C2 PFHxDA	Ave	1.022	1.093		1.34	1.25	6.9	

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
 Lims ID: CCVLIS
 Client ID:
 Sample Type: CCVLIS
 Inject. Date: 08-Dec-2022 15:21:15 ALS Bottle#: 2 Worklist Smp#: 5
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: CCVLIS
 Misc. Info.: 200-0053607-005 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 13-Dec-2022 09:02:46 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1634

First Level Reviewer: Z1IP Date: 08-Dec-2022 15:44:06

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA	217.00 > 172.00	2.085	2.076	0.009	0.605	2699146	1.16	93.1	11585	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.076	0.009	1.000	305722	0.1373		110	26.4	M
D 3 13C5 PFPeA	267.90 > 223.00	2.400	2.387	0.013	0.696	2070976	1.17	93.8	3624	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.400	2.387	0.013	1.000	95763	0.0530		106	2.5	M
D 47 13C3 PFBS	301.90 > 80.00	2.413	2.400	0.013	0.700	2253698	1.17	101	241955	M
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.413	2.400	0.013	1.000	100225	0.0452	Target=2.09	102	149	
298.90 > 99.00	2.413	2.400	0.013	1.000	49852		2.01(1.04-3.13)		42.5	
61 1H,1H,2H,2H-perfluorohexanesulfo	327.00 > 307.00	2.701	2.689	0.012	1.000	23294	0.0432	92.5	273	
D 60 M2-4:2 FTS	329.00 > 81.00	2.701	2.689	0.012	0.784	204435	1.21	103	205	M
D 7 13C2 PFHxA	315.00 > 270.00	2.737	2.725	0.012	0.794	2270843	1.23	98.1	7103	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.737	2.725	0.012	1.000	104660	0.0529	Target=14.25	106	21.1	M
313.00 > 119.00	2.737	2.725	0.012	1.000	7774		13.46(7.12-21.37)		13.1	M
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.737	2.737	0.0	0.887	88104	0.0440	Target=3.04	93.8	168	
349.00 > 99.00	2.737	2.737	0.0	0.887	31705		2.78(1.52-4.56)		77.8	M
67 Perfluoro(2-propoxypropanoic) ac	285.00 > 169.00	2.835	2.835	0.0	1.000	32111	0.0973	97.3	292	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.835	2.835	0.0	0.822	390731	1.20		95.7	3023	
D 11 18O2 PFHxS										
403.00 > 84.00	3.087	3.088	-0.001	0.896	1774233	1.27		107	3104	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.087	3.088	-0.001	1.000	80724	0.0477	Target=3.66	105	219	M
399.00 > 99.00	3.087	3.088	-0.001	1.000	20655		3.91(1.83-5.49)		31.5	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.098	3.099	-0.001	0.899	2278973	1.20		95.8	4969	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.098	3.099	-0.001	1.000	96911	0.0488	Target=3.97	97.6	18.2	M
363.00 > 169.00	3.098	3.099	-0.001	1.000	24107		4.02(1.98-5.95)		60.2	M
77 DONA										
377.00 > 251.00	3.132	3.132	0.0	0.832	237382	0.0413	Target=3.16	87.7	360	
377.00 > 85.00	3.132	3.132	0.0	0.832	76046		3.12(1.58-4.73)		124	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.429	3.439	-0.010	0.995	303850	1.30		109	650	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.438	3.439	-0.001	1.003	61378	0.1017		85.8	207	M
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.429	3.439	-0.010	0.911	68241	0.0468	Target=5.14	98.4	239	
449.00 > 99.00	3.438	3.439	-0.001	0.914	14293		4.77(2.57-7.72)		52.0	M
D 14 13C4 PFOA										
417.00 > 372.00	3.446	3.448	-0.002	1.000	2604079	1.22		97.3	6439	
* 62 13C2 PFOA										
415.00 > 370.00	3.446	3.448	-0.002		2585103	1.25			5455	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.446	3.448	-0.002	1.000	113225	0.0508	Target=2.79	102	8.5	M
413.00 > 169.00	3.446	3.448	-0.002	1.000	37195		3.04(1.40-4.19)		57.7	M
D 18 13C4 PFOS										
503.00 > 80.00	3.763	3.764	-0.001	1.092	1247149	1.31		110	3525	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.763	3.764	-0.001	1.000	58005	0.0457	Target=5.11	98.5	61.1	M
499.00 > 99.00	3.763	3.764	-0.001	1.000	12791		4.53(2.55-7.66)		44.3	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.782	3.783	-0.001	1.000	99538	0.0463	Target=8.55	92.6	23.6	
463.00 > 169.00	3.782	3.783	-0.001	1.000	13941		7.14(4.28-12.83)		95.6	
D 19 13C5 PFNA										
468.00 > 423.00	3.782	3.783	-0.001	1.097	2591602	1.25		99.7	8860	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.927	3.928	-0.001	1.044	124855	0.0429		92.0	626	M
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.050	4.050	0.0	1.076	43102	0.0450	Target=2.53	93.7	371	
549.00 > 99.00	4.050	4.050	0.0	1.076	15505		2.78(1.27-3.80)		98.9	M
D 23 13C2 PFDA										
515.00 > 470.00	4.081	4.081	0.0	1.184	2673266	1.26		101	3966	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.081	4.081	0.0	1.000	112825	0.0486	Target=10.26	97.3	51.3	M
513.00 > 169.00	4.081	4.081	0.0	1.000	11214		10.06(5.13-15.38)		30.3	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.093	4.093	0.0	1.188	371281	1.29		108	1183	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.093	4.093	0.0	1.000	22630	0.0451		94.2	350	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.150	4.150	0.0	1.000	90014	0.0468		93.6	342	
D 21 13C8 FOSA										M
506.00 > 78.00	4.150	4.150	0.0	1.204	2300421	1.32		106	3759	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.228	4.228	0.0	1.227	545331	1.26		101	1135	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.228	4.228	0.0	1.000	47281	0.1144		91.5	93.5	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.319	4.331	-0.012	1.148	33462	0.0442	Target=2.51	91.8	320	
599.00 > 99.00	4.319	4.331	-0.012	1.148	13810		2.42(1.25-3.76)		154	
D 30 13C2 PFUnA										
565.00 > 520.00	4.353	4.353	0.0	1.263	2531241	1.30		104	3742	
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.353	4.353	0.0	1.000	97773	0.0479	Target=9.88	95.8	46.7	M
563.00 > 169.00	4.353	4.353	0.0	1.000	7450		13.12(4.94-14.82)		98.6	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.365	4.365	0.0	1.000	44496	0.1124		89.9	287	M
D 32 d5-NEtFOSAA										M
589.00 > 419.00	4.365	4.365	0.0	1.266	552947	1.30		104	1026	M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.454	4.454	0.0	1.184	197492	0.0440		93.4	734	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.591	4.591	0.0	1.000	103237	0.0489	Target=7.77	97.8	8.2	M
613.00 > 169.00	4.591	4.591	0.0	1.000	13659		7.56(3.89-11.66)		119	
D 36 13C2 PFDaA										
615.00 > 570.00	4.591	4.591	0.0	1.332	2490747	1.26		101	4783	
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.612	4.612	0.0	1.127	15008	0.0498		103	192	M
75 Perfluorododecanesulfonic acid (M
699.00 > 80.00	4.767	4.776	-0.009	1.267	14927	0.0466	Target=0.50	96.4	147	M
699.00 > 99.00	4.767	4.776	-0.009	1.267	28374		0.53(0.25-0.76)		630	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.804	4.804	0.0	1.046	107933	0.0535	Target=5.21	107	9.5	M
663.00 > 169.00	4.804	4.804	0.0	1.046	17468		6.18(2.60-7.81)		110	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.002	5.012	-0.010	1.000	13003	0.0512	Target=0.89	102	137	M
713.00 > 219.00	5.002	5.012	-0.010	1.000	12567		1.03(0.44-1.33)		165	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.002	5.012	-0.010	1.451	2319804	1.36		109	2326	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.367	5.367	0.0	1.000	128152	0.0446	Target=5.65	89.1	12.1	
813.00 > 169.00	5.367	5.367	0.0	1.000	21044		6.09(2.82-8.47)		192	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.367	5.367	0.0	1.557	2825661	1.34		107	5956	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.722	5.722	0.0	1.066	93105	0.0500	Target=6.24	100	11.8	M
913.00 > 169.00	5.722	5.722	0.0	1.066	14294		6.51(3.12-9.36)		173	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCLOQV_00023

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d

Injection Date: 08-Dec-2022 15:21:15

Instrument ID: LC812

Lims ID: CCVLIS

Client ID:

Operator ID: lc812tech

ALS Bottle#: 2

Worklist Smp#: 5

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

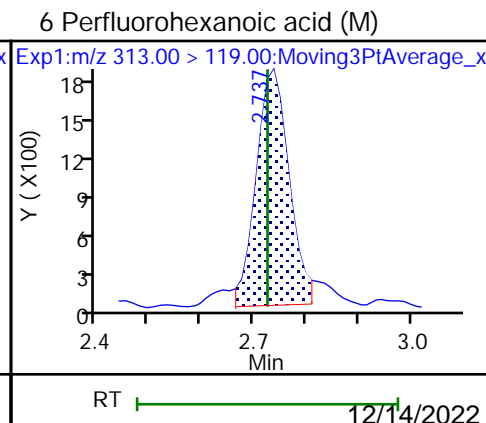
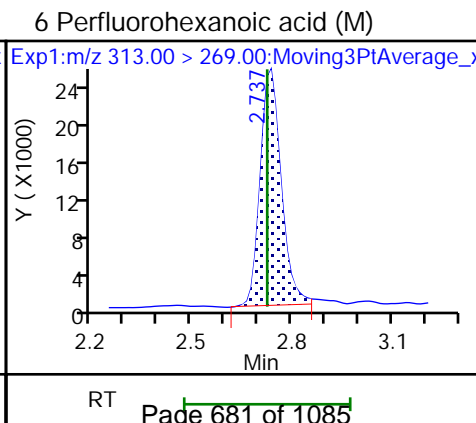
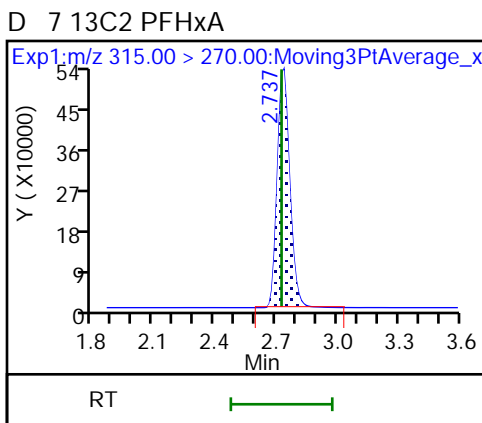
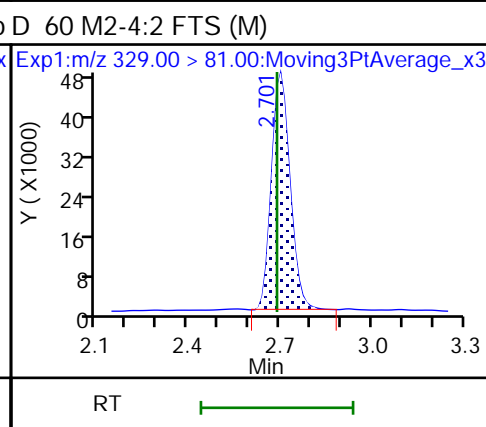
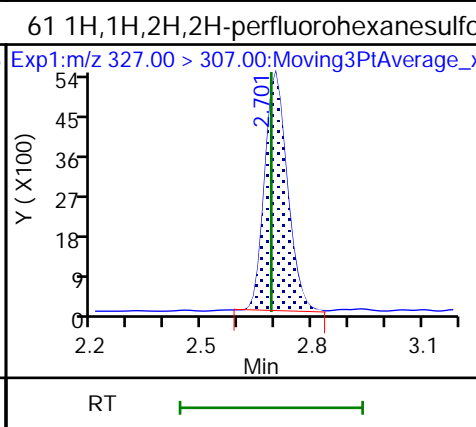
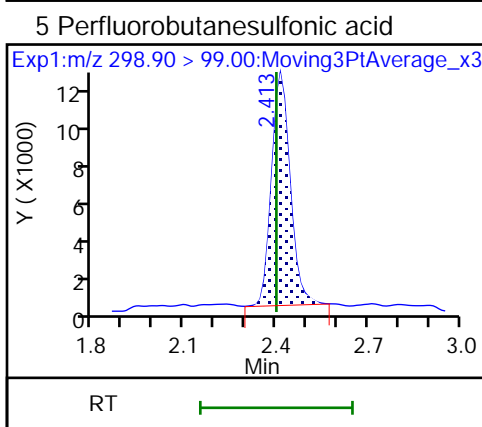
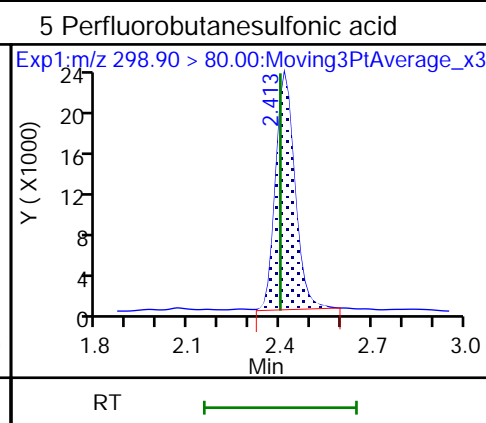
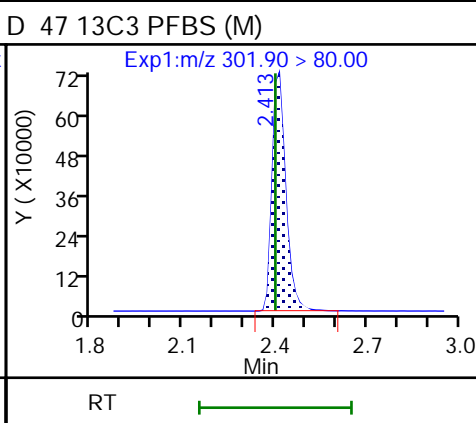
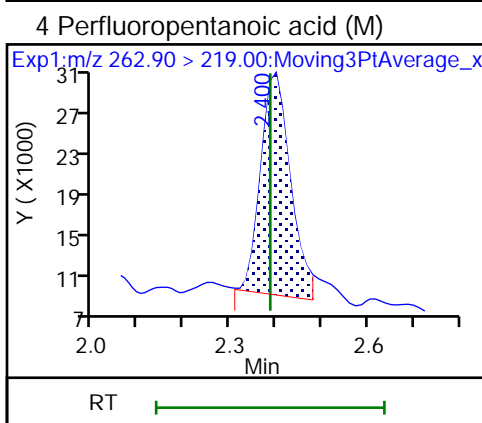
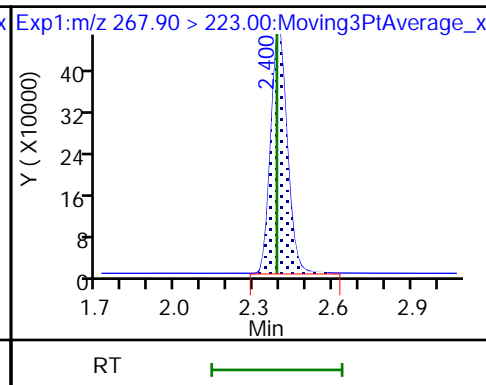
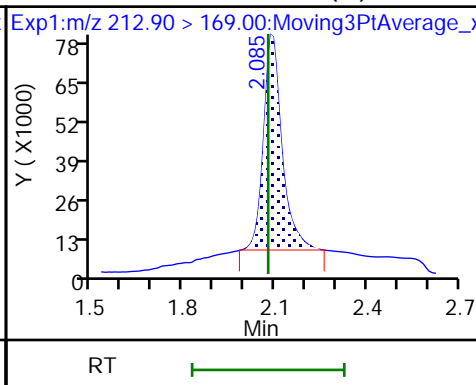
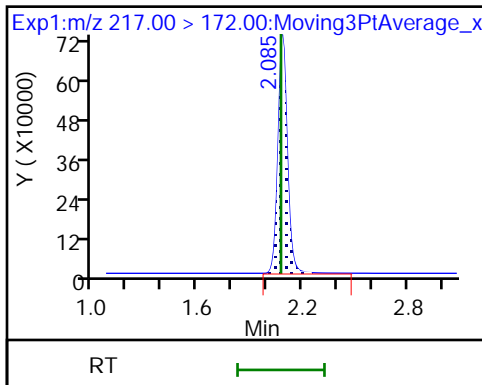
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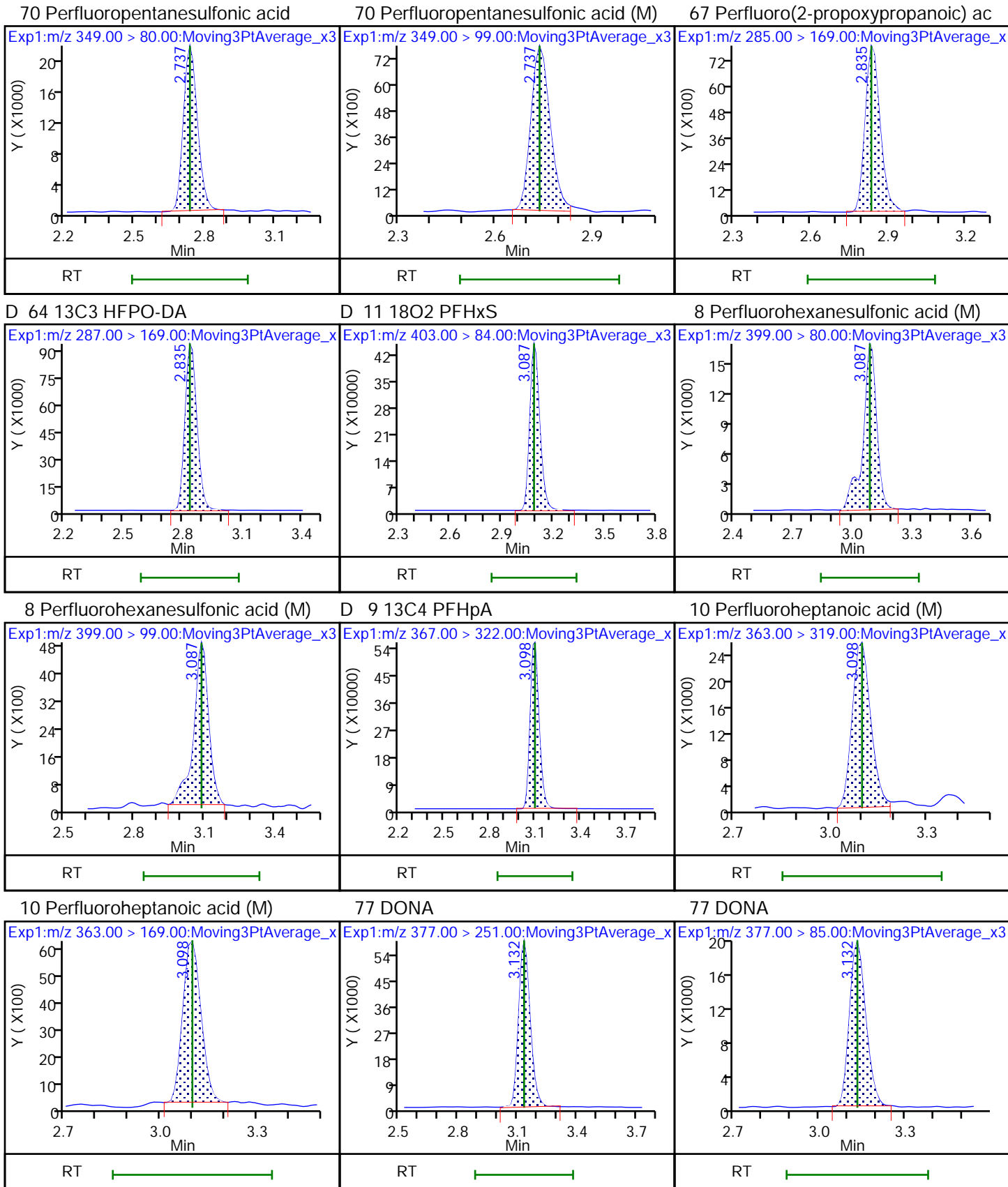
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D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

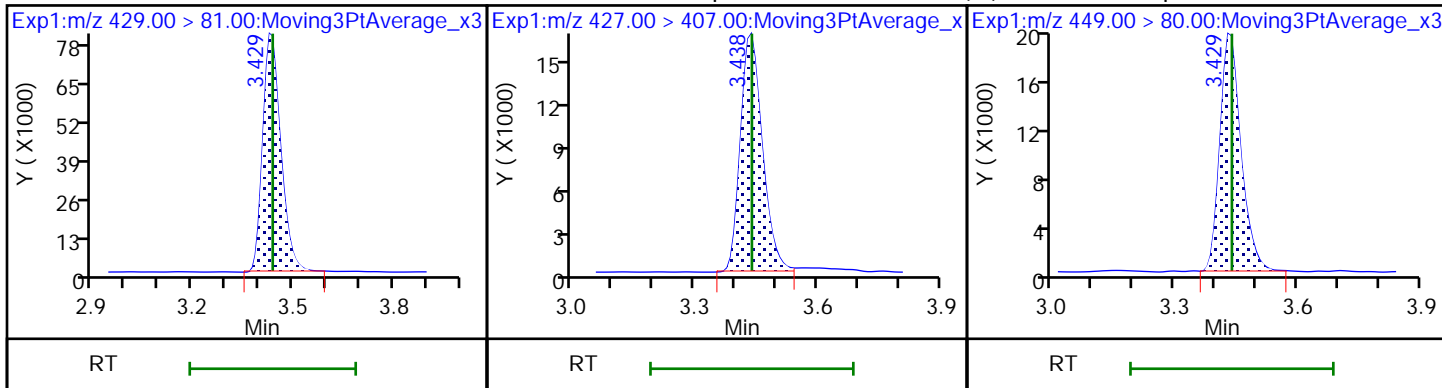
D 3 13C5 PFPeA





D 12 M2-6:2 FTS

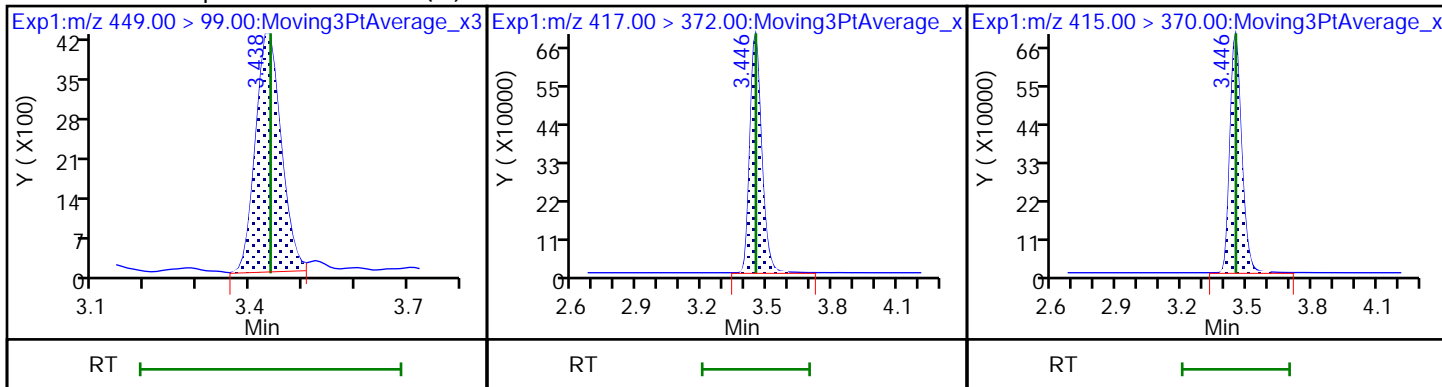
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 6 Perfluoroheptanesulfonic acid



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

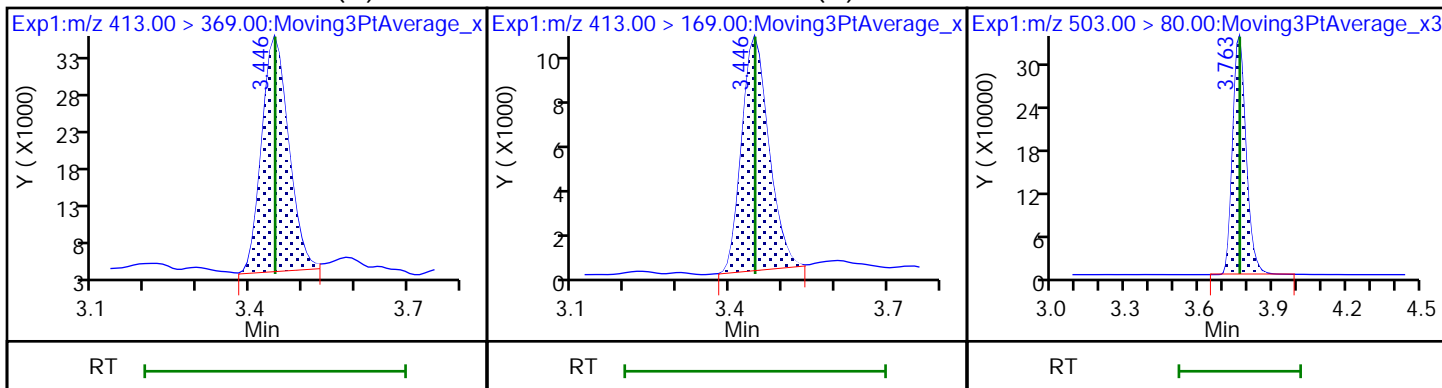
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

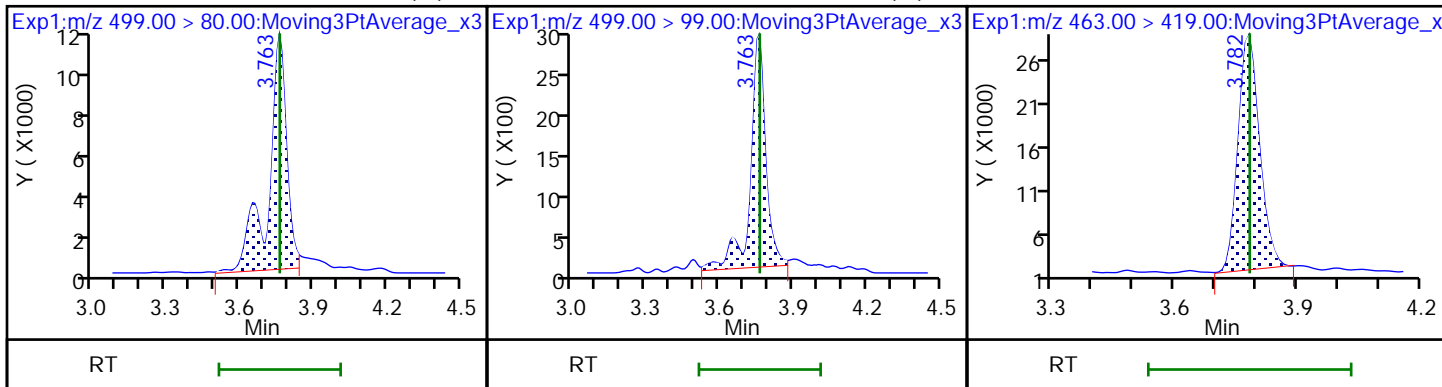
D 18 13C4 PFOS

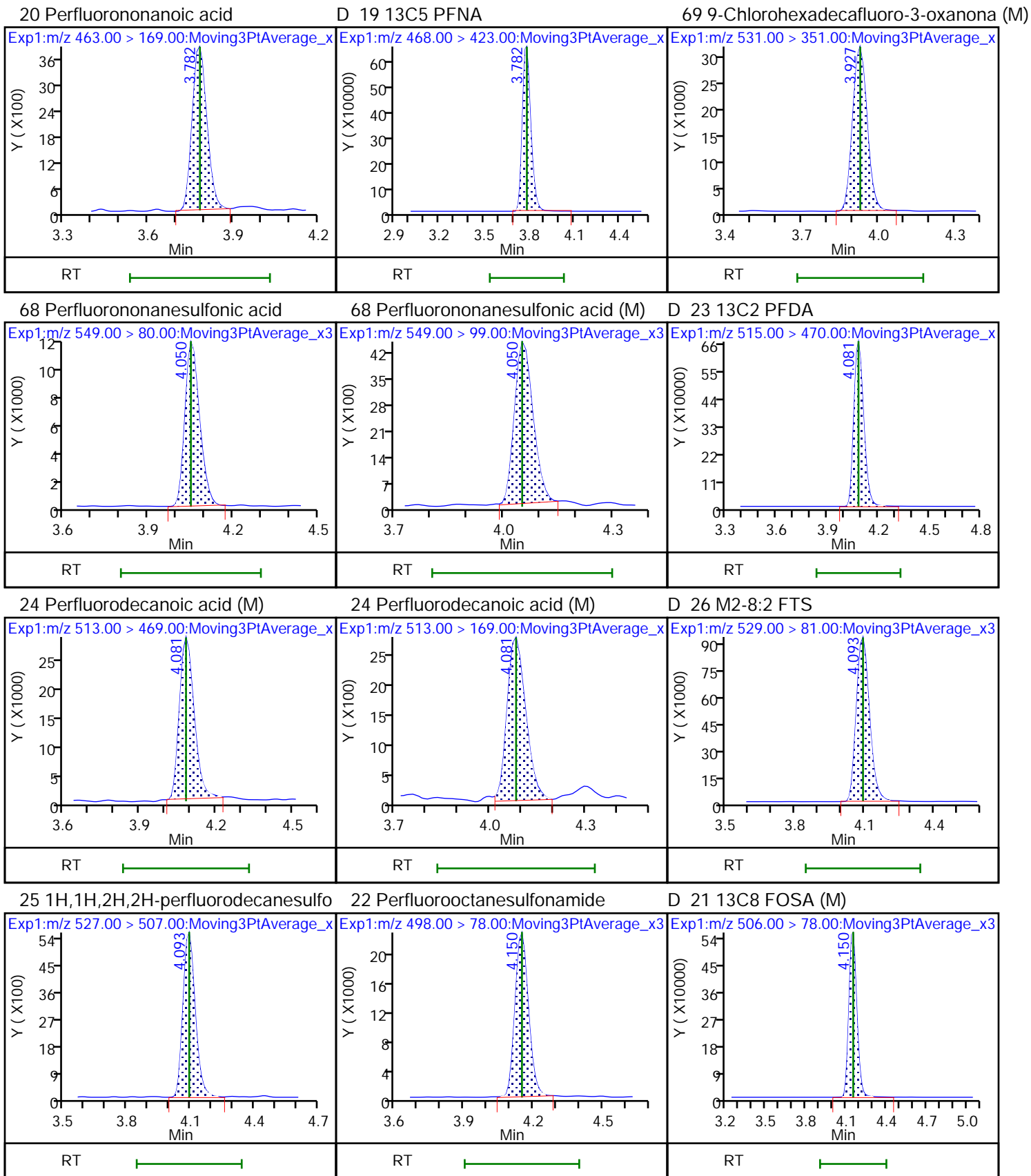


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

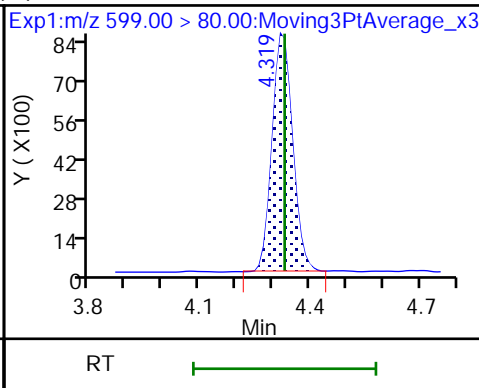
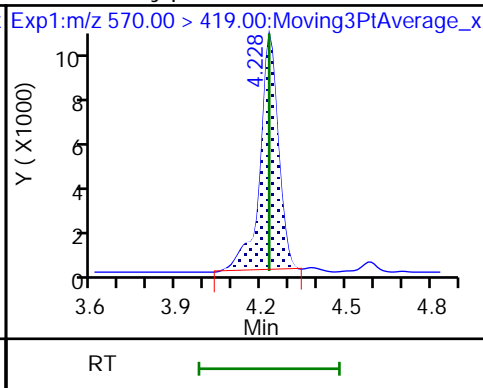
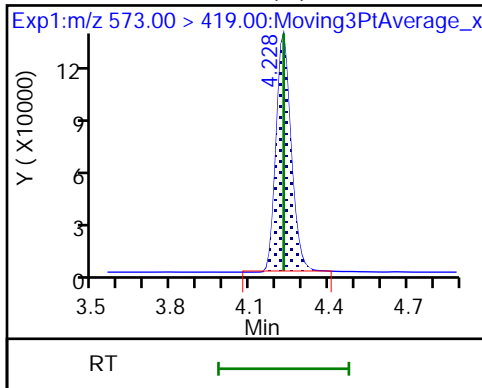
20 Perfluorononanoic acid





D 27 d3-NMeFOSAA (M)

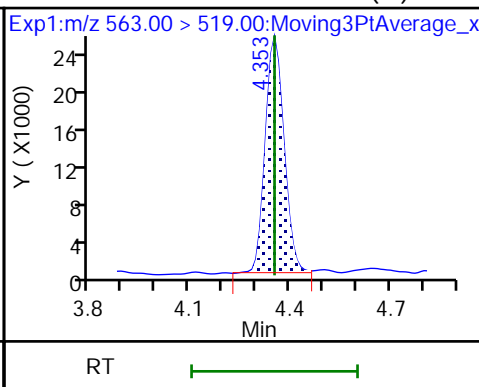
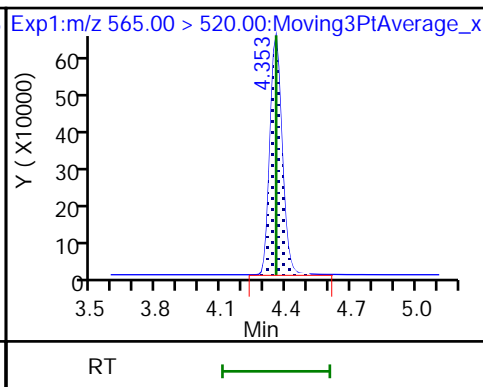
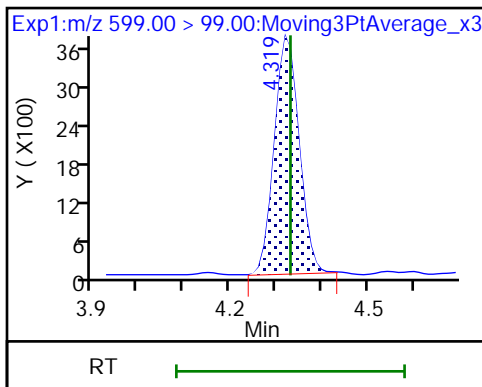
28 N-methylperfluorooctanesulfonami (M) 29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid

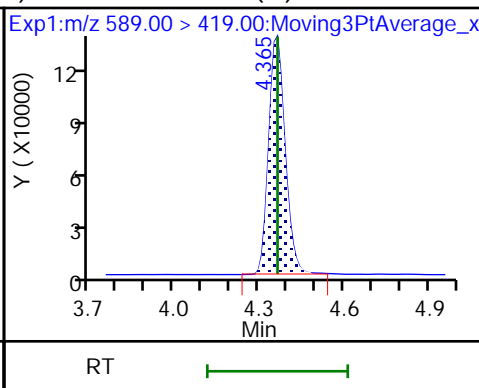
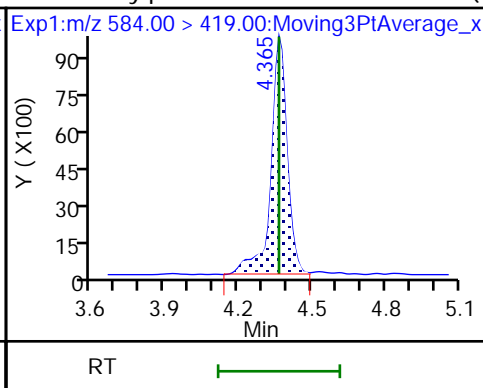
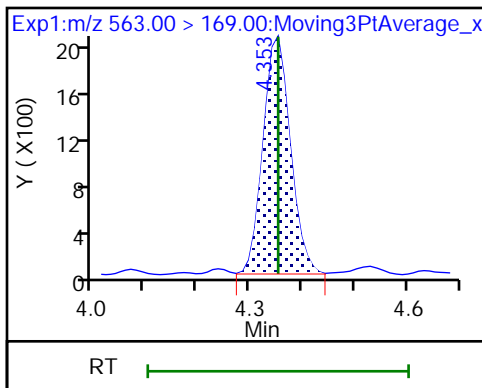
D 30 13C2 PFUoA

31 Perfluoroundecanoic acid (M)



31 Perfluoroundecanoic acid

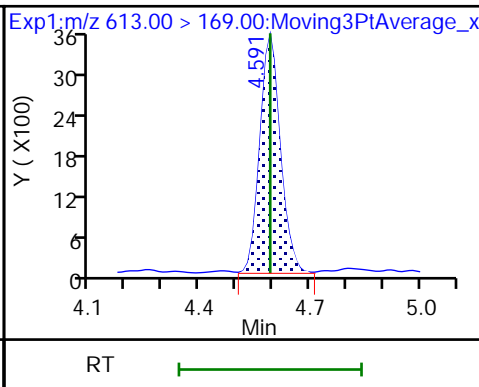
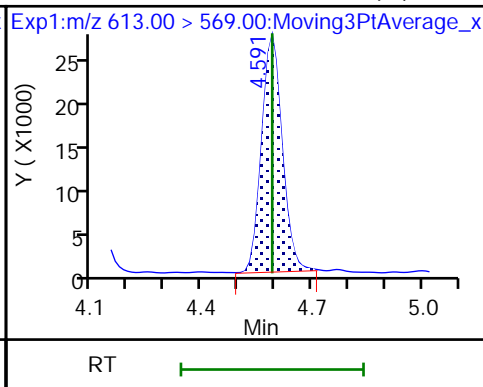
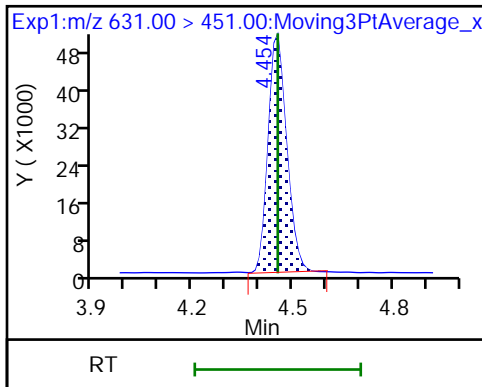
33 N-ethylperfluorooctanesulfonamid (M) 32 d5-NEtFOSAA (M)



66 11-Chloroeicosafuoro-3-oxaundec

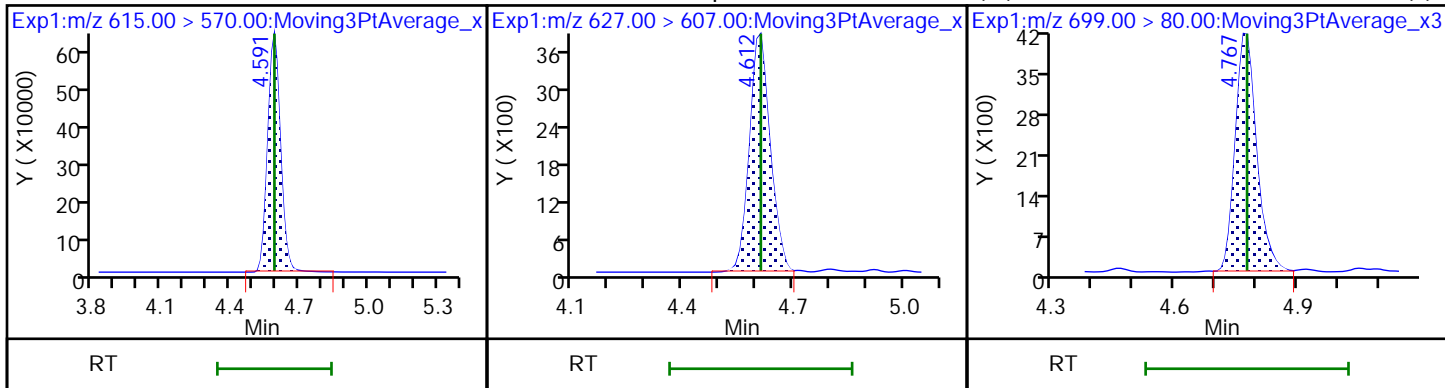
37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid



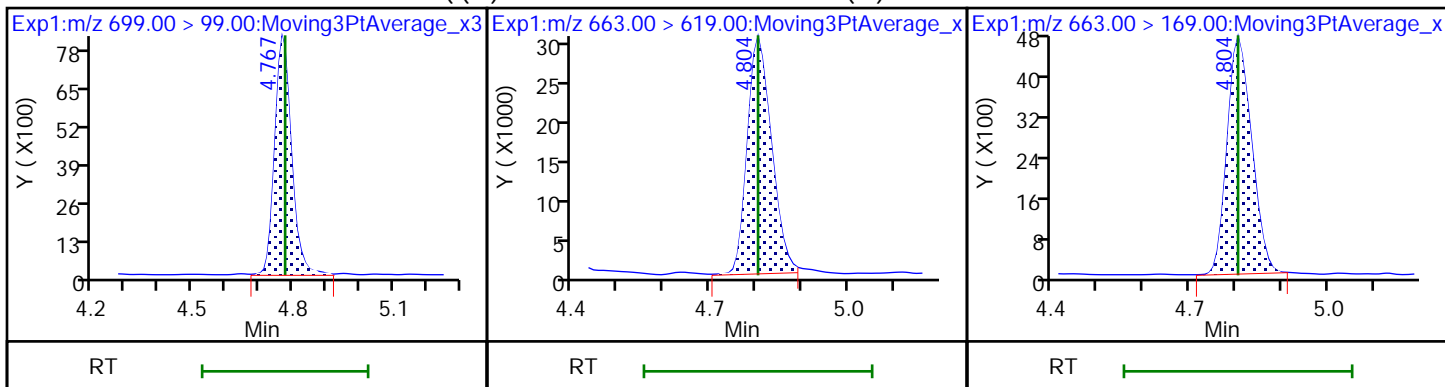
D 36 13C2 PFDaA

74 1H,1H,2H,2H-perfluorododecanesul (M) 75 Perfluorododecanesulfonic acid (M)



75 Perfluorododecanesulfonic acid (M) 41 Perfluorotridecanoic acid (M)

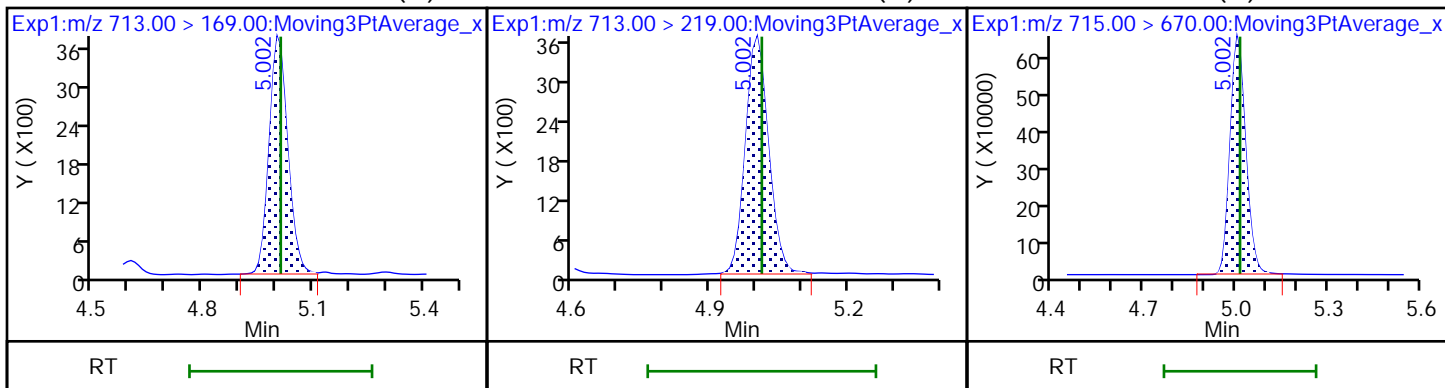
41 Perfluorotridecanoic acid



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

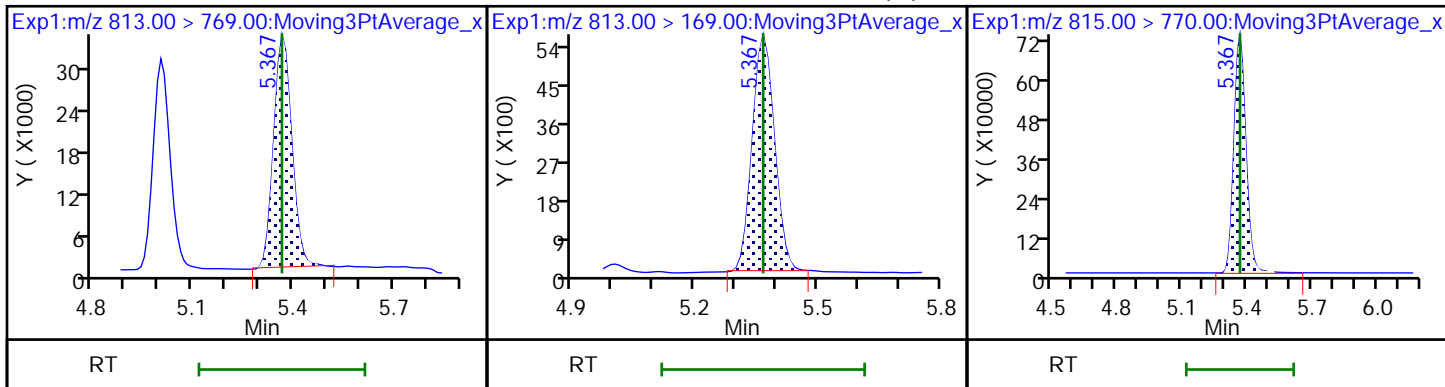
D 43 13C2 PFTeDA (M)



45 Perfluorohexadecanoic acid

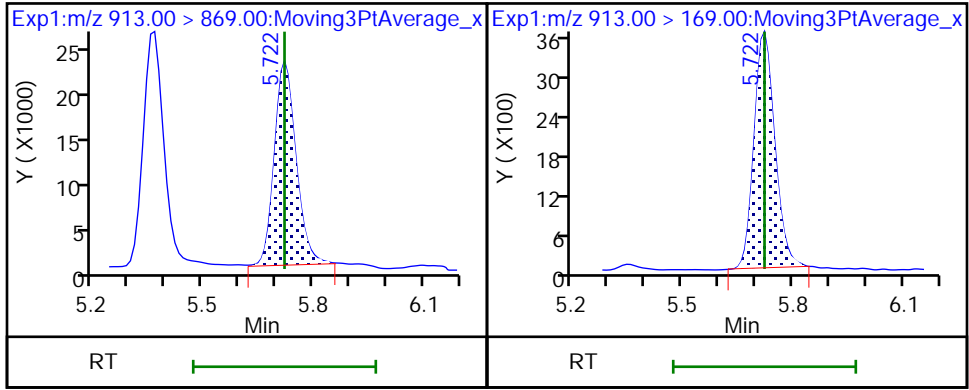
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

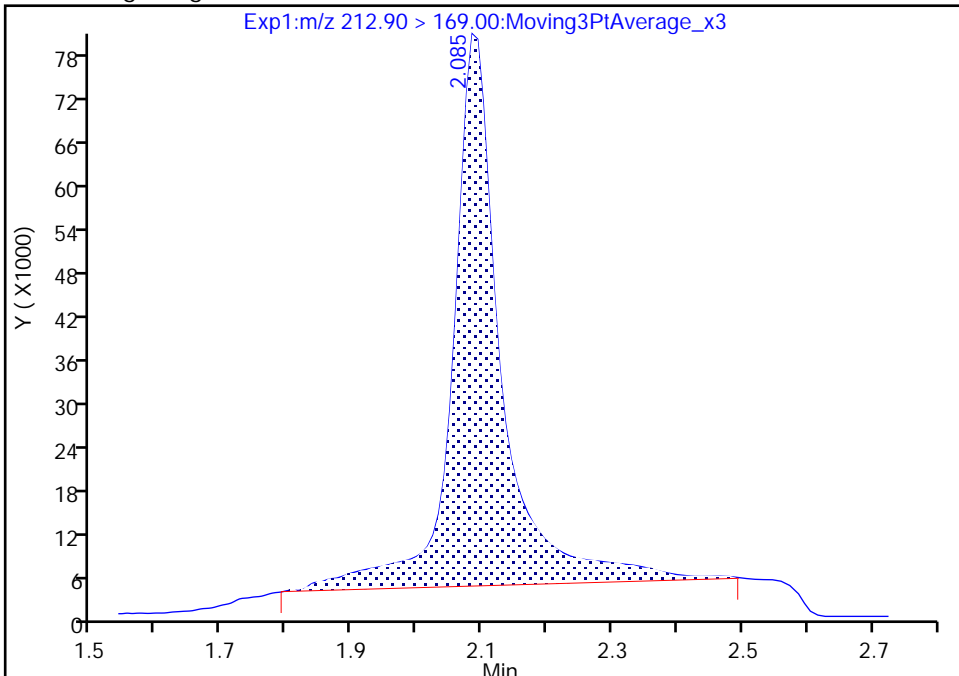
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

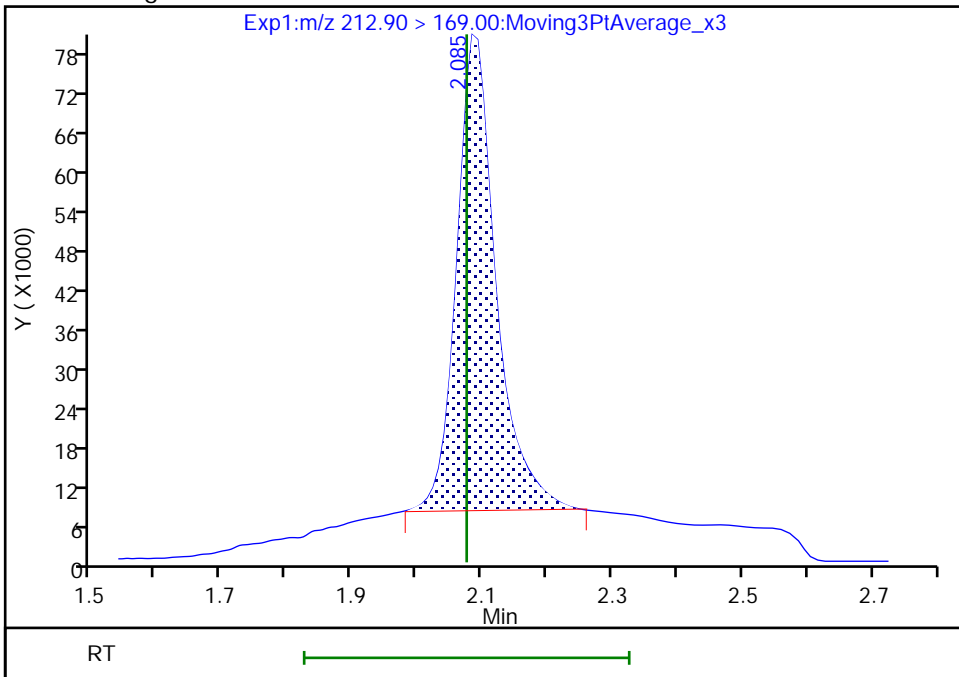
RT: 2.08
Area: 403982
Amount: 0.181428
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 305722
Amount: 0.137300
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:31:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

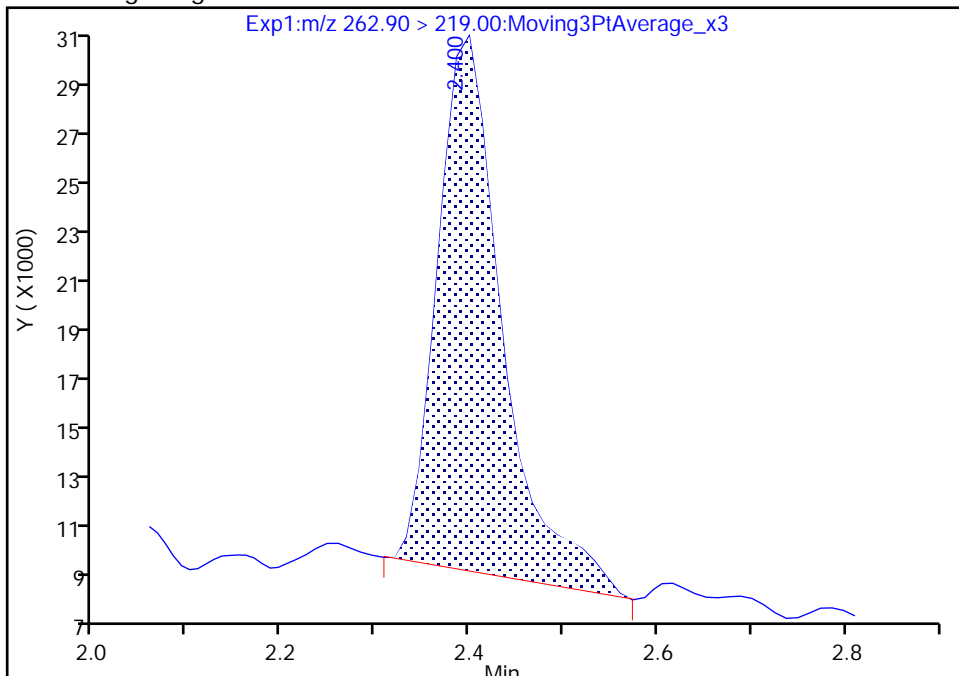
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

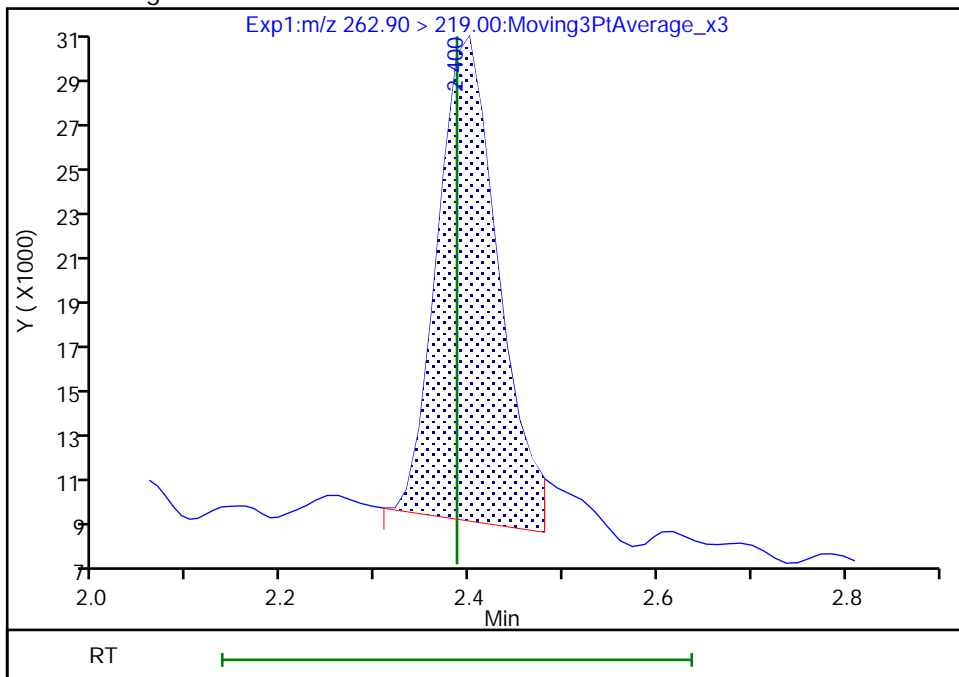
RT: 2.40
Area: 103042
Amount: 0.057068
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 95763
Amount: 0.053037
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:31:33
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

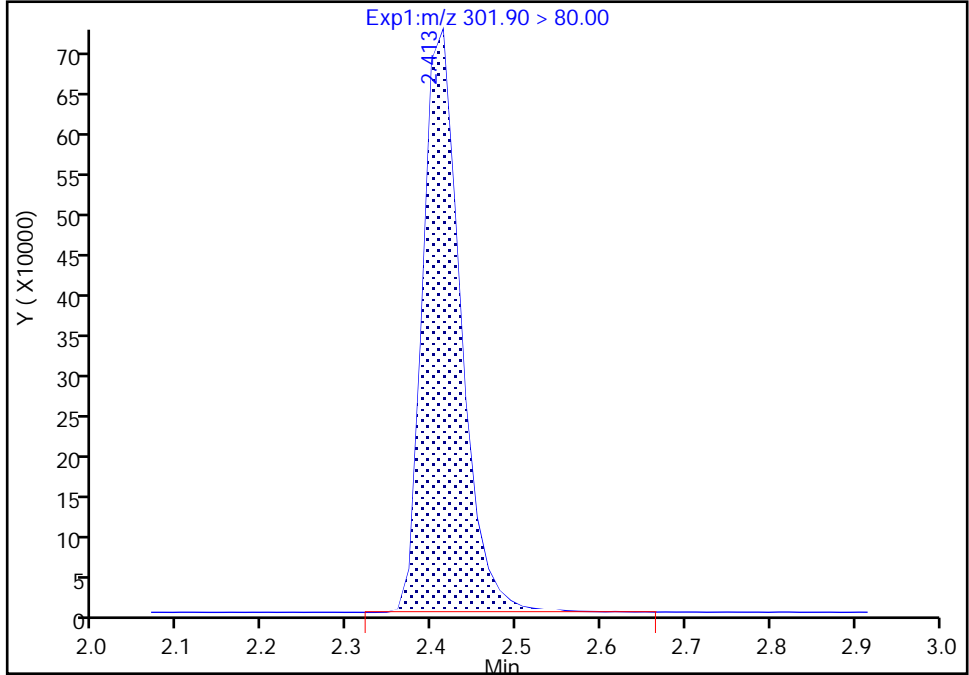
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 47 13C3 PFBS, CAS: STL02337
Signal: 1

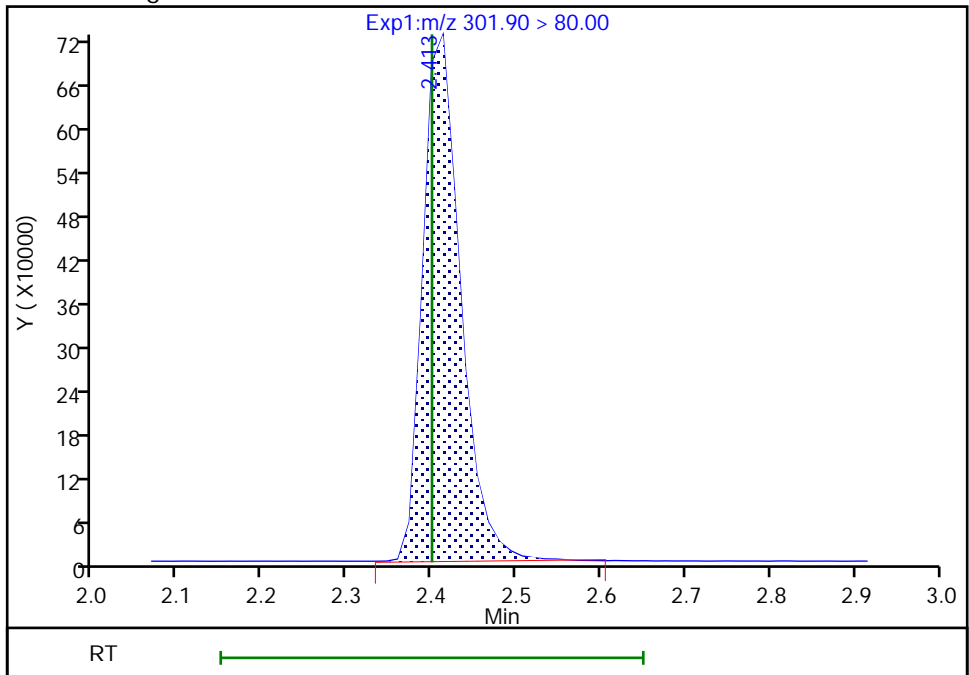
Processing Integration Results

RT: 2.41
Area: 2258592
Amount: 1.176677
Amount Units: ng/ml



Manual Integration Results

RT: 2.41
Area: 2253698
Amount: 1.174128
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 14:30:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

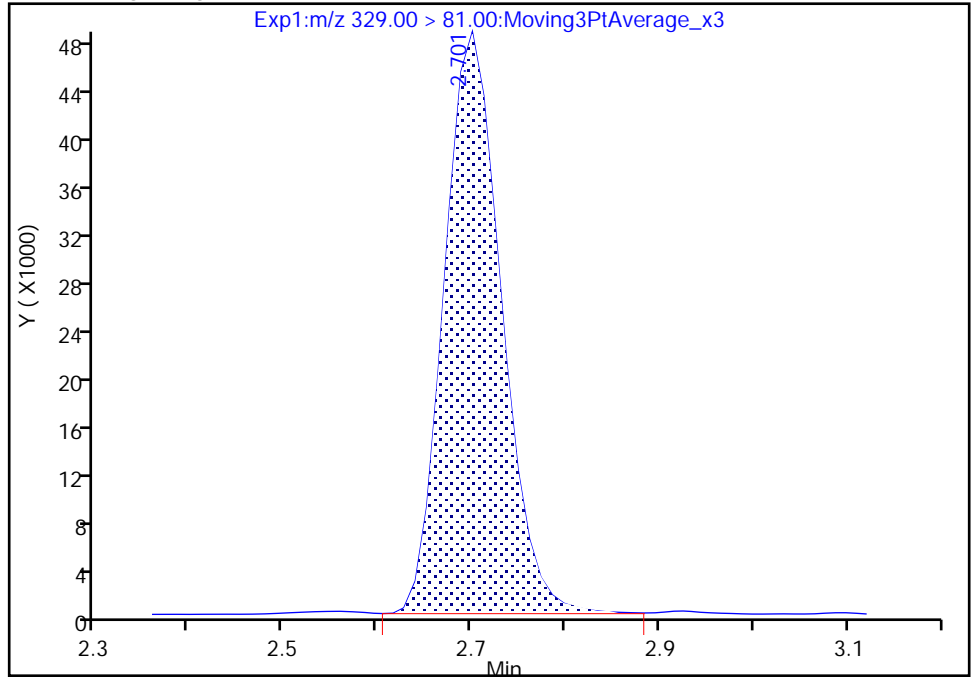
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 60 M2-4:2 FTS, CAS: STL02395
Signal: 1

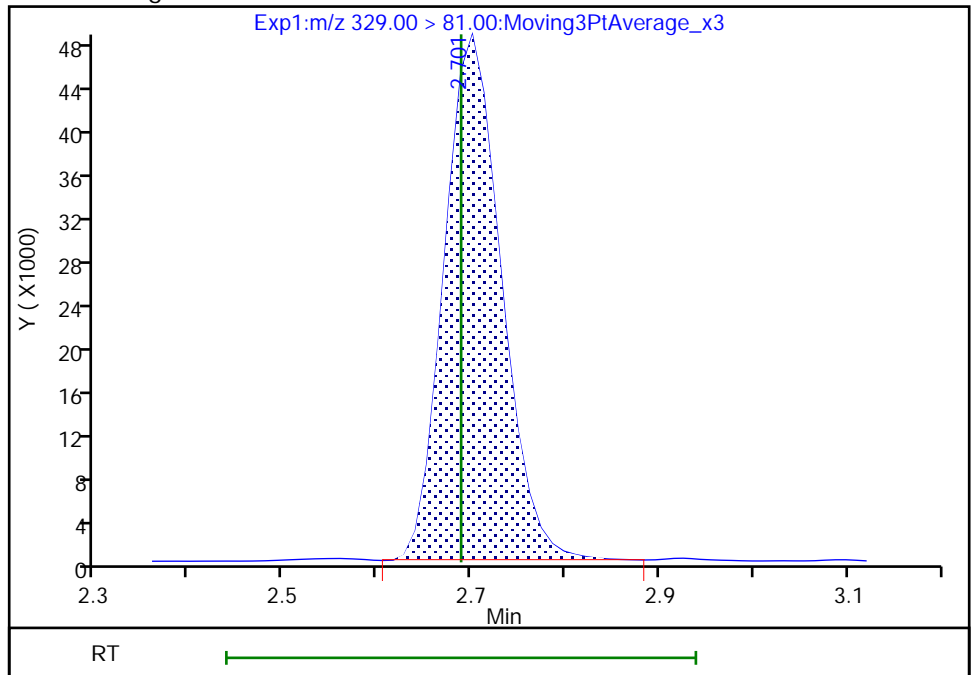
RT: 2.70
Area: 205677
Amount: 1.212660
Amount Units: ng/ml

Processing Integration Results



RT: 2.70
Area: 204435
Amount: 1.205337
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:30:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

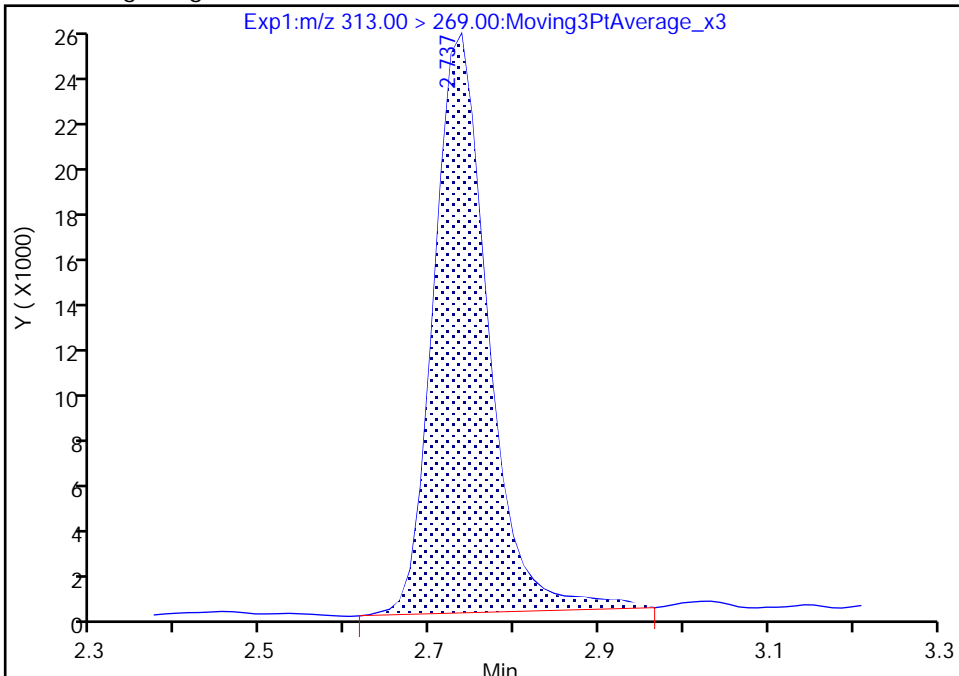
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

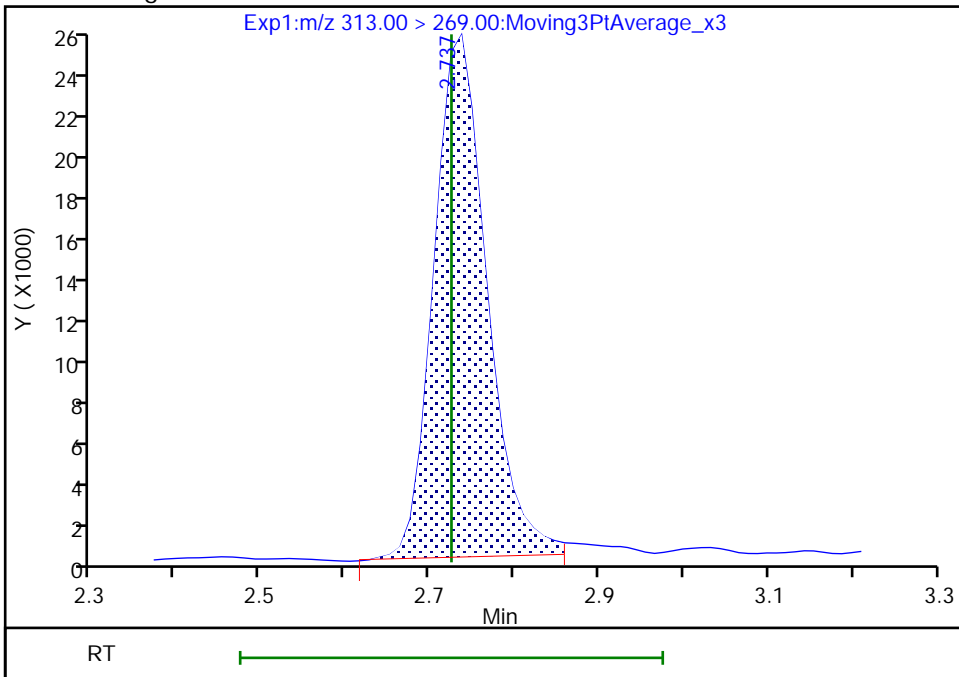
RT: 2.74
Area: 106935
Amount: 0.054022
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 104660
Amount: 0.052873
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:31:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

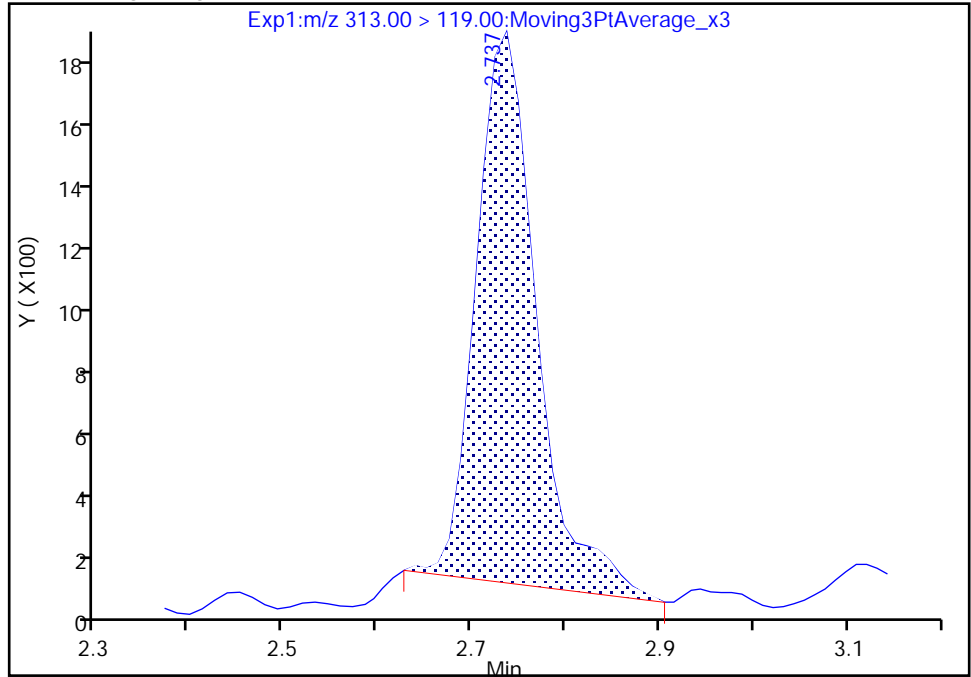
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

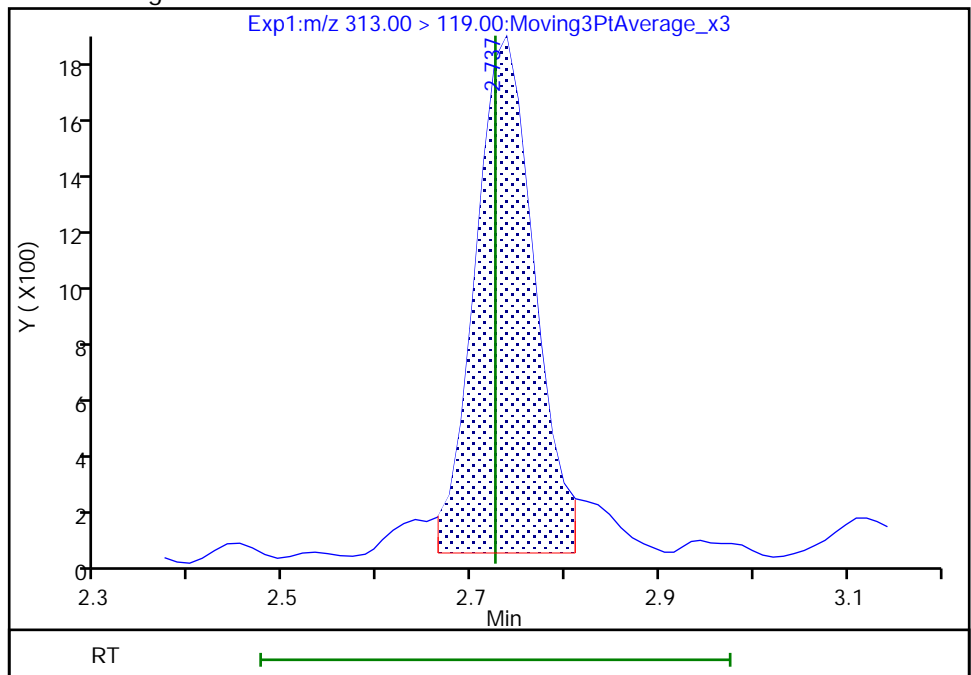
RT: 2.74
Area: 7690
Amount: 0.054022
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 7774
Amount: 0.052873
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:31:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

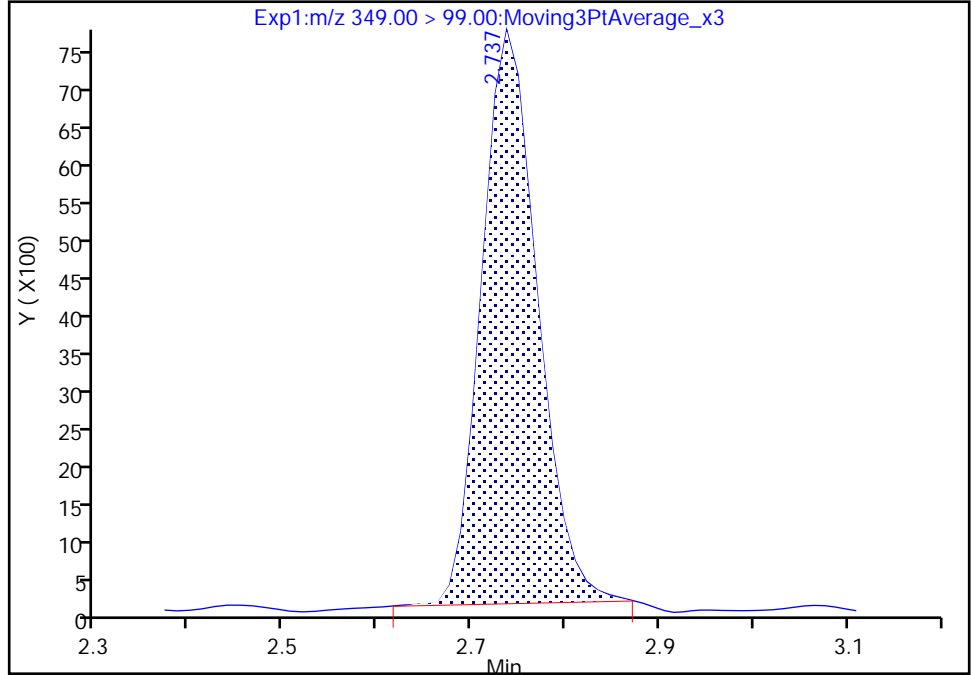
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 2

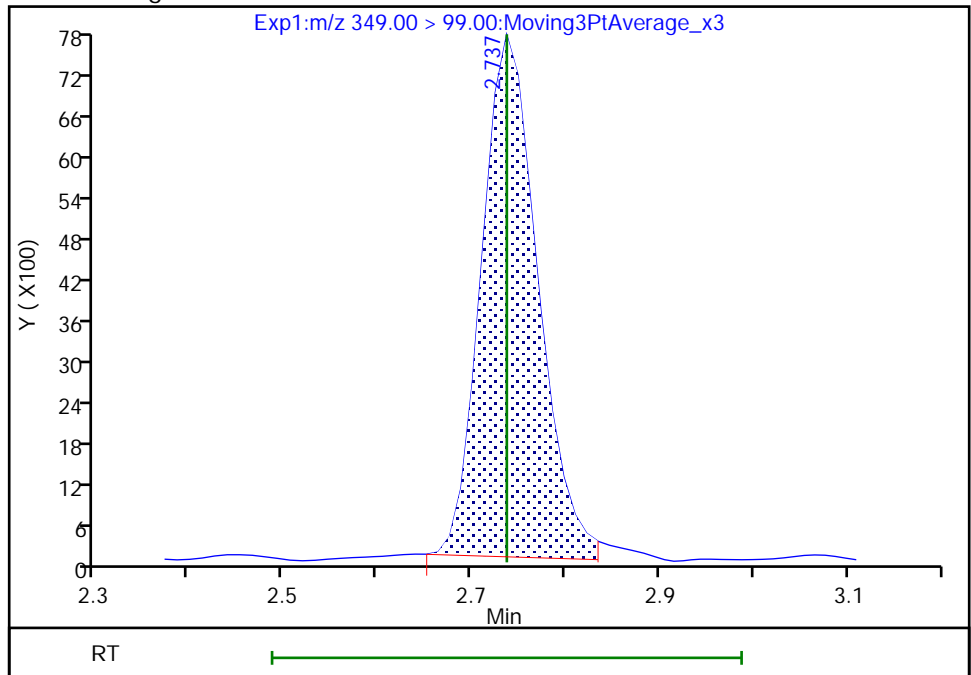
RT: 2.74
Area: 31281
Amount: 0.043971
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 31705
Amount: 0.043971
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:32:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

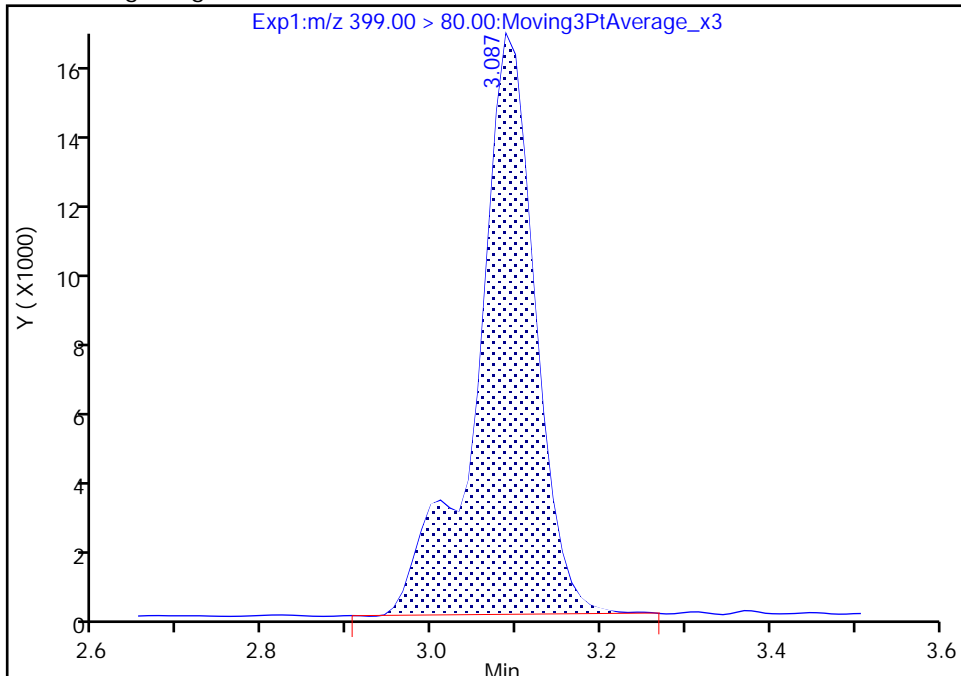
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

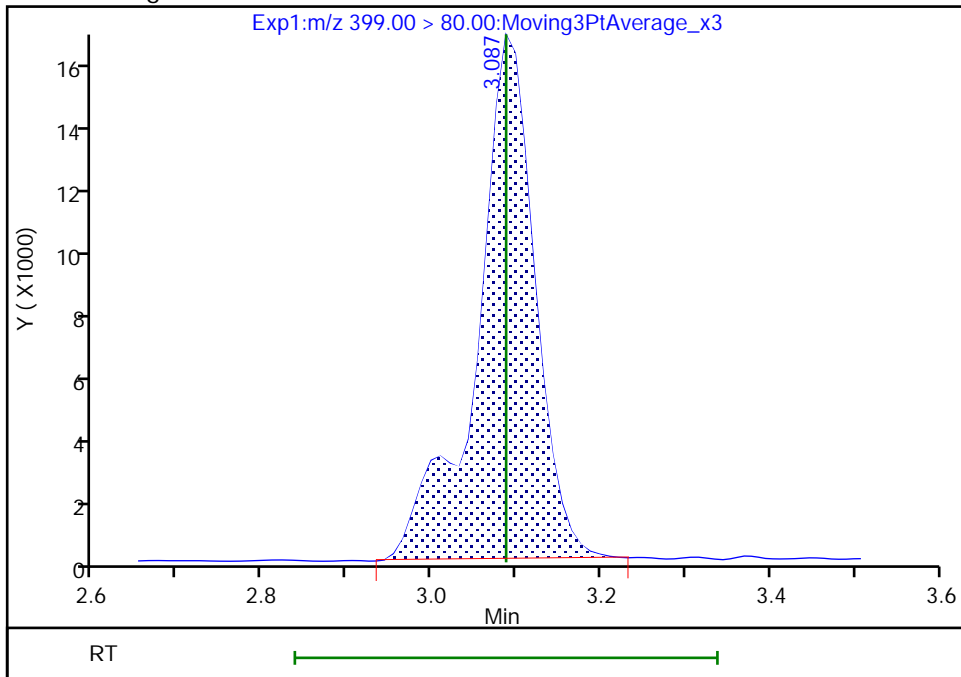
RT: 3.09
Area: 81138
Amount: 0.047913
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 80724
Amount: 0.047668
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:32:34
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

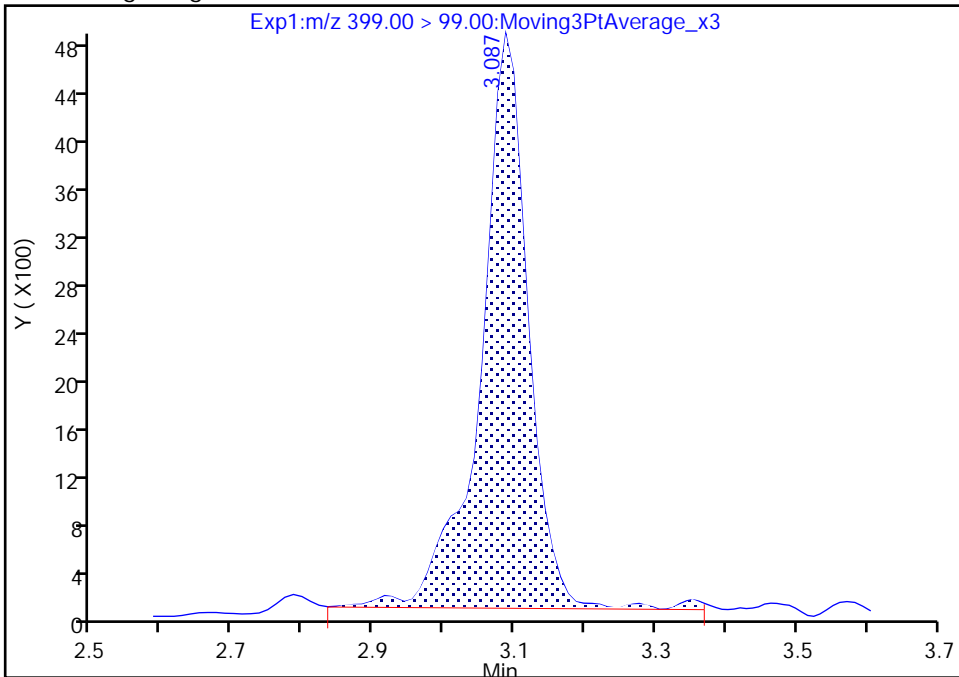
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

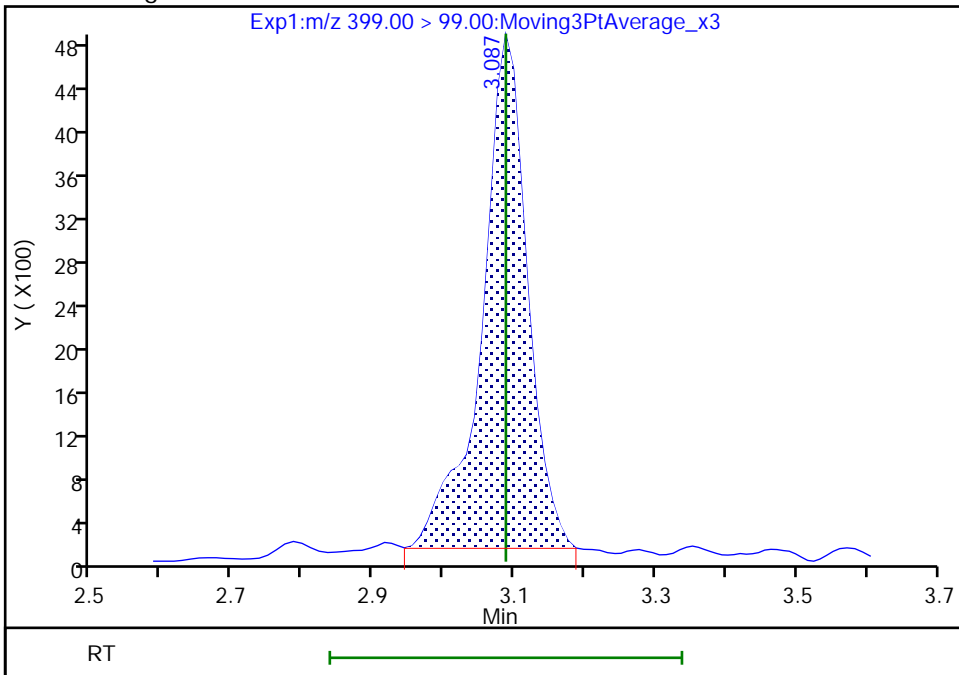
RT: 3.09
Area: 22047
Amount: 0.047913
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 20655
Amount: 0.047668
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 14:32:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

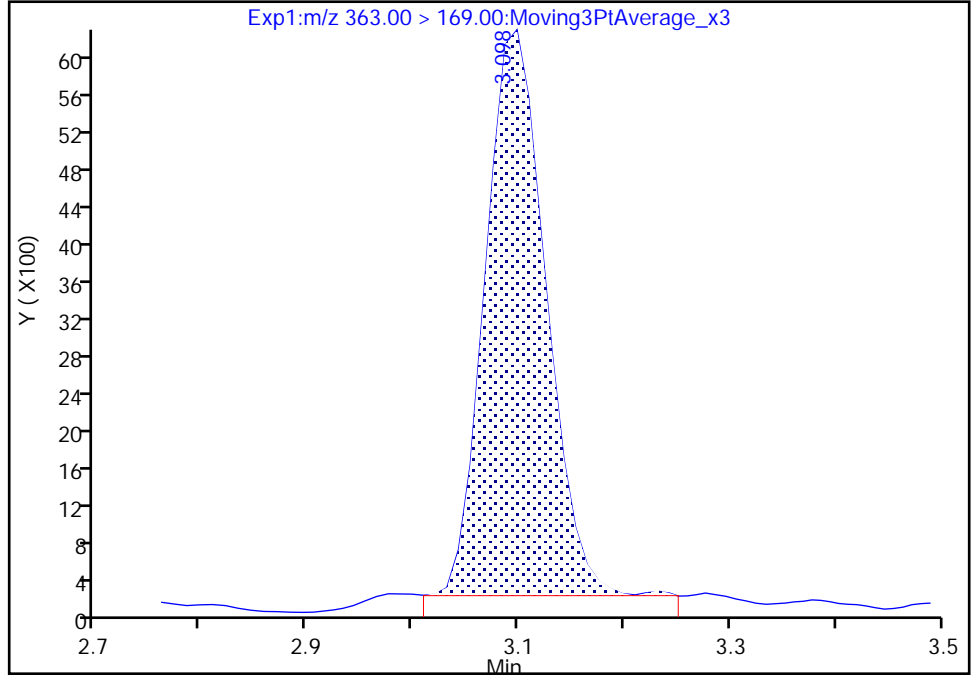
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

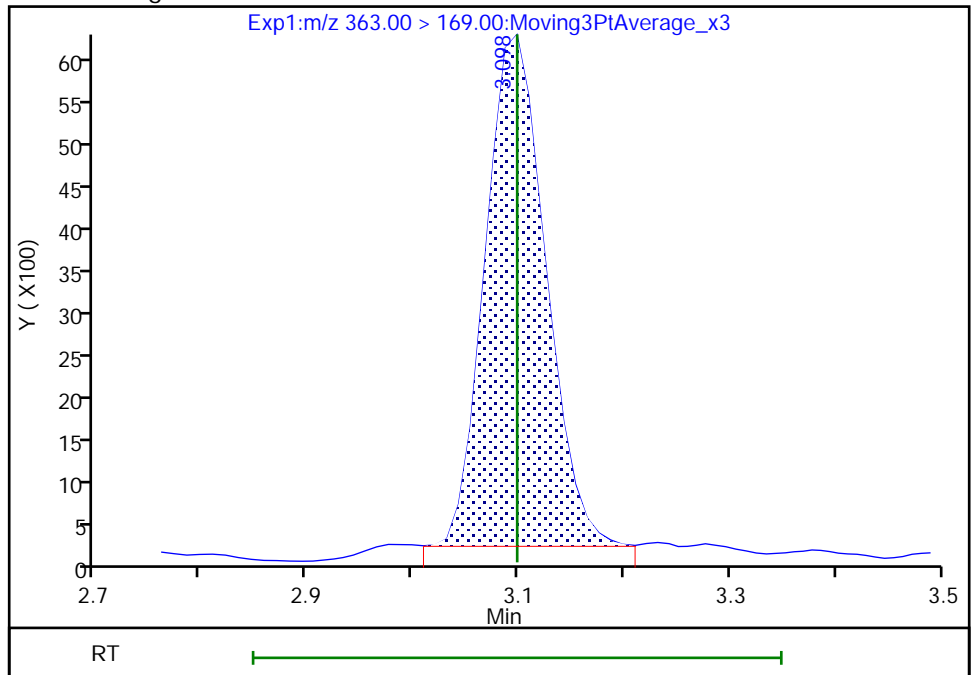
RT: 3.10
Area: 24252
Amount: 0.051298
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 24107
Amount: 0.048821
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:32:44
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

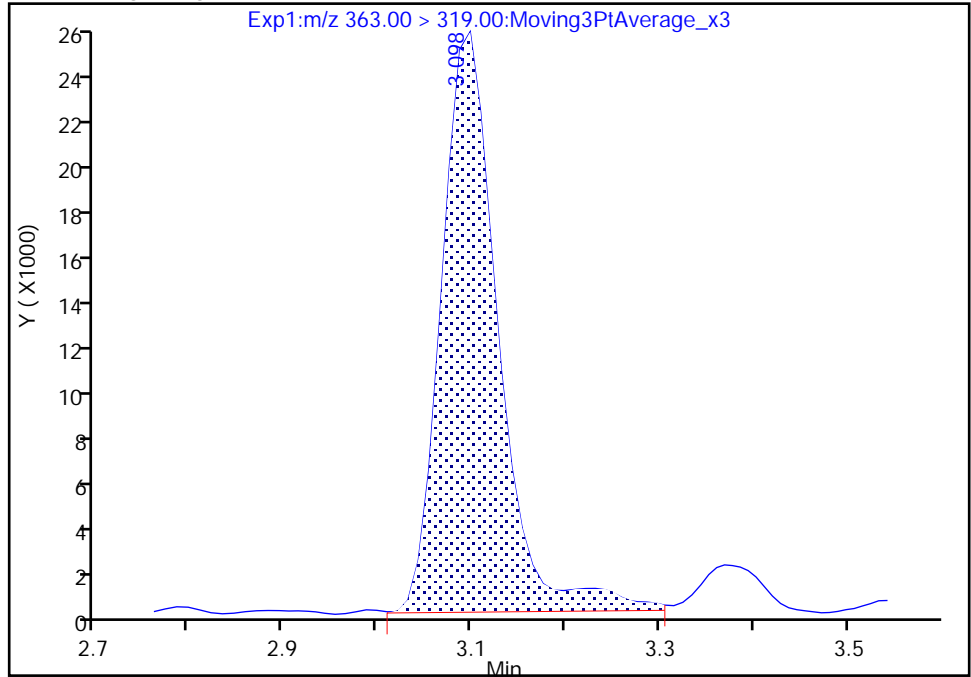
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

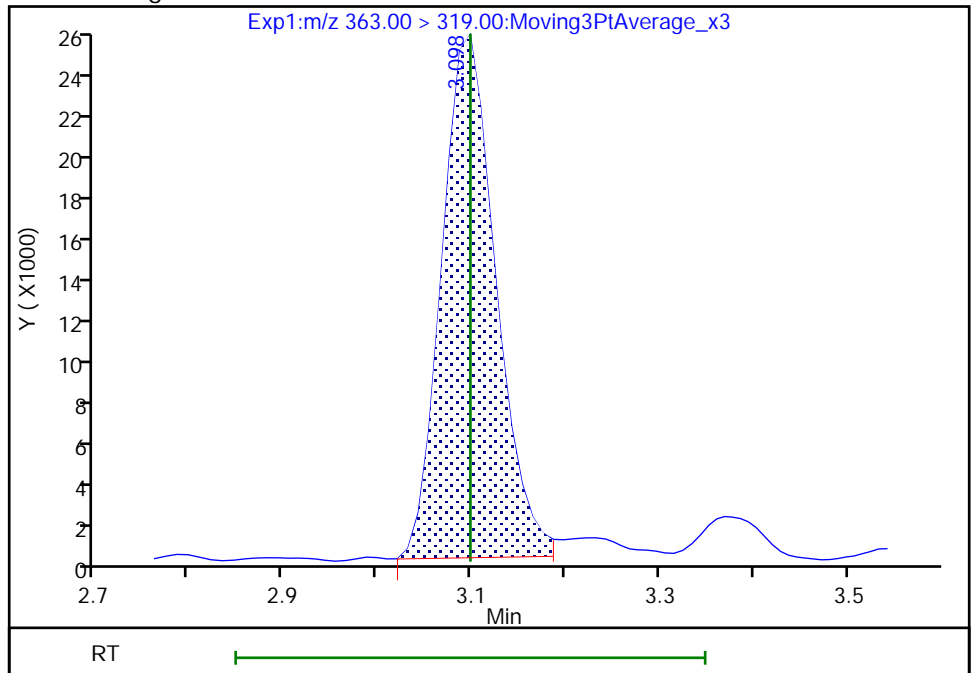
RT: 3.10
Area: 101828
Amount: 0.051298
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 96911
Amount: 0.048821
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:32:51

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

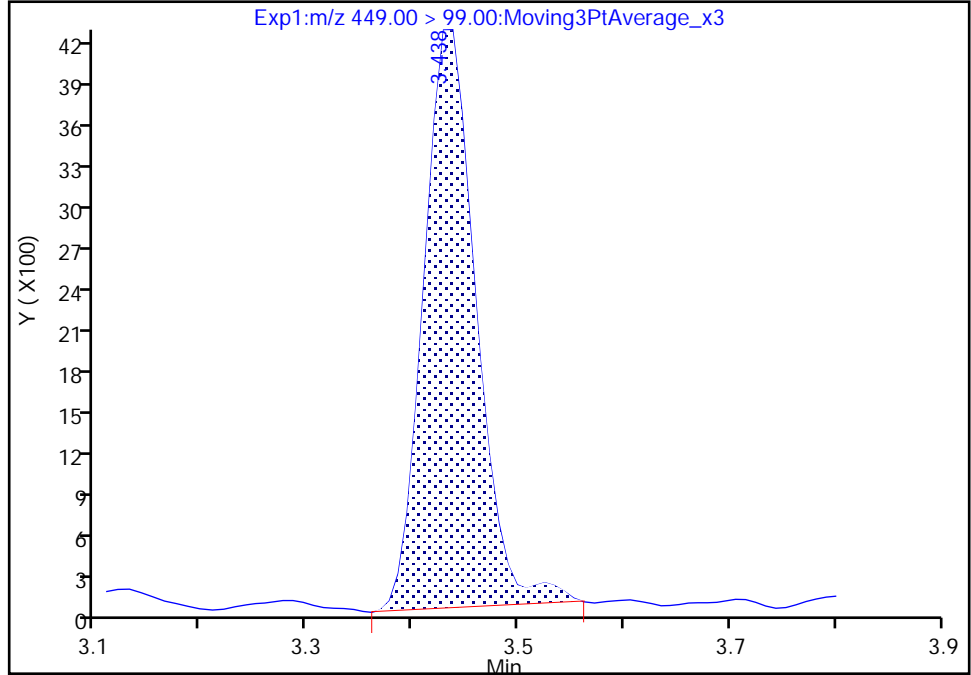
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

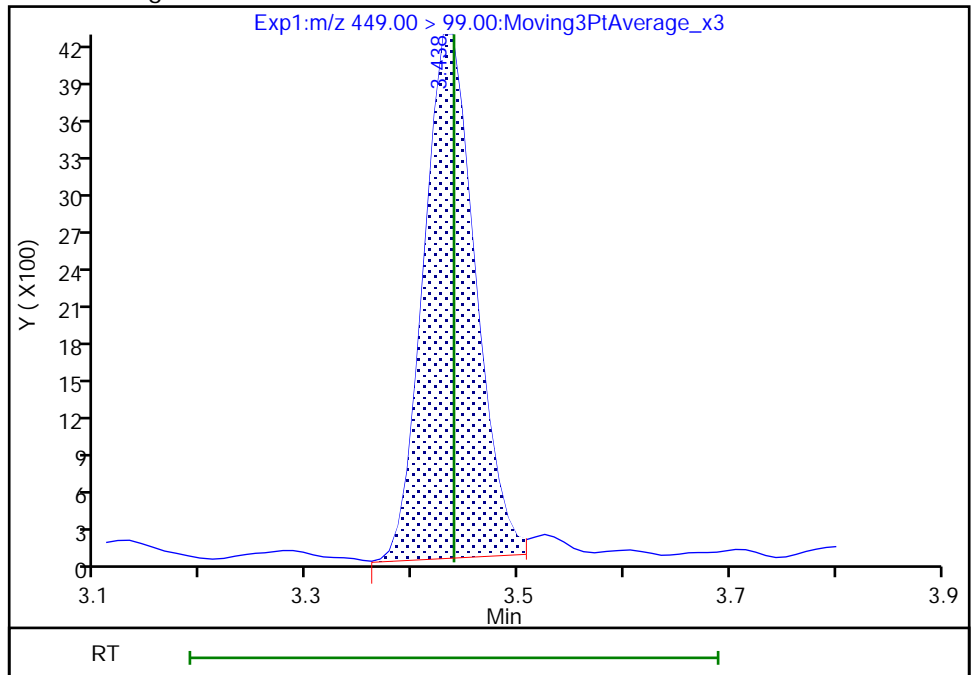
RT: 3.44
Area: 14610
Amount: 0.046815
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 14293
Amount: 0.046815
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:33:09
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

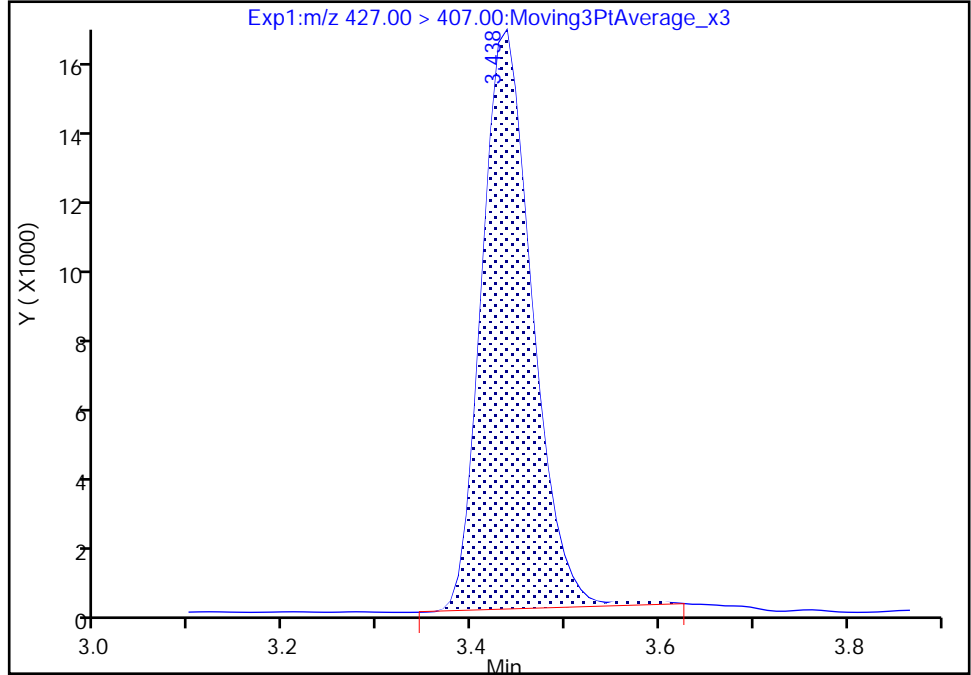
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

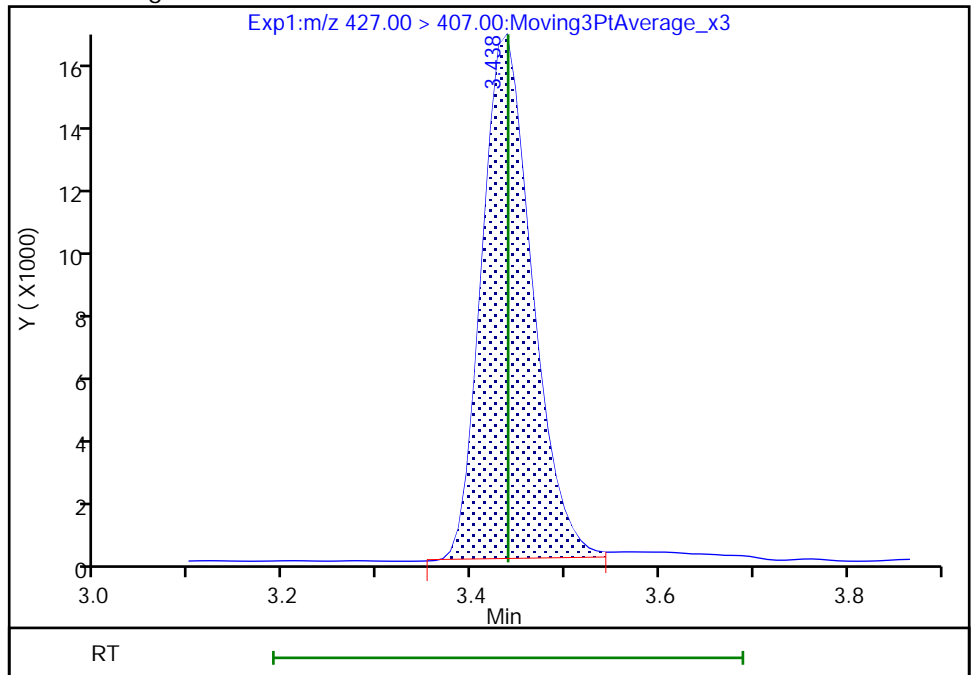
RT: 3.44
Area: 61654
Amount: 0.102191
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 61378
Amount: 0.101680
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:33:03
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

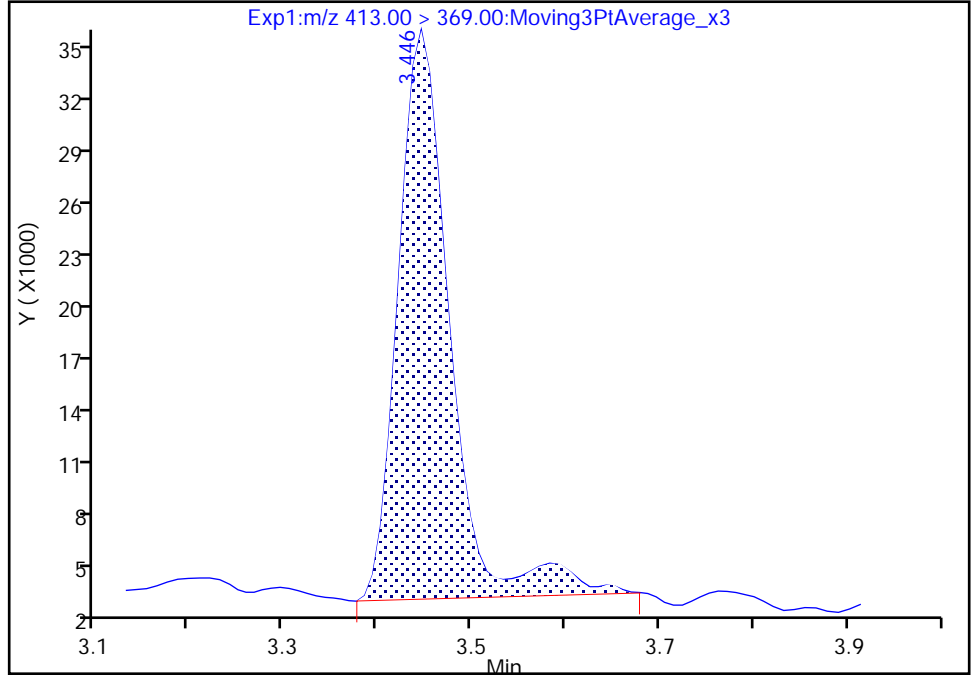
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

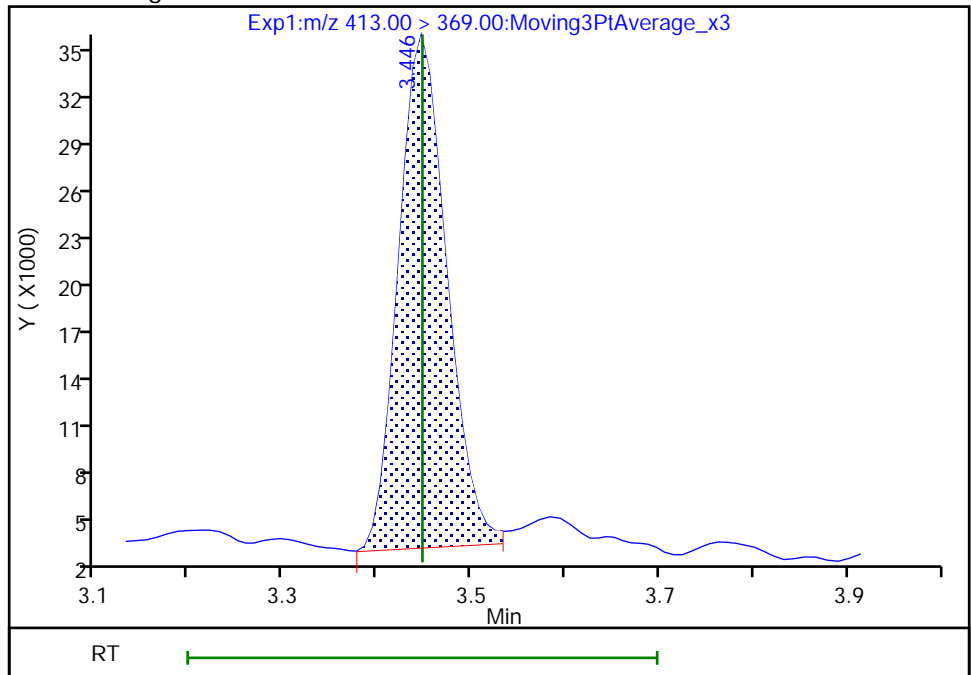
RT: 3.45
Area: 122304
Amount: 0.054917
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 113225
Amount: 0.050840
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:33:18
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

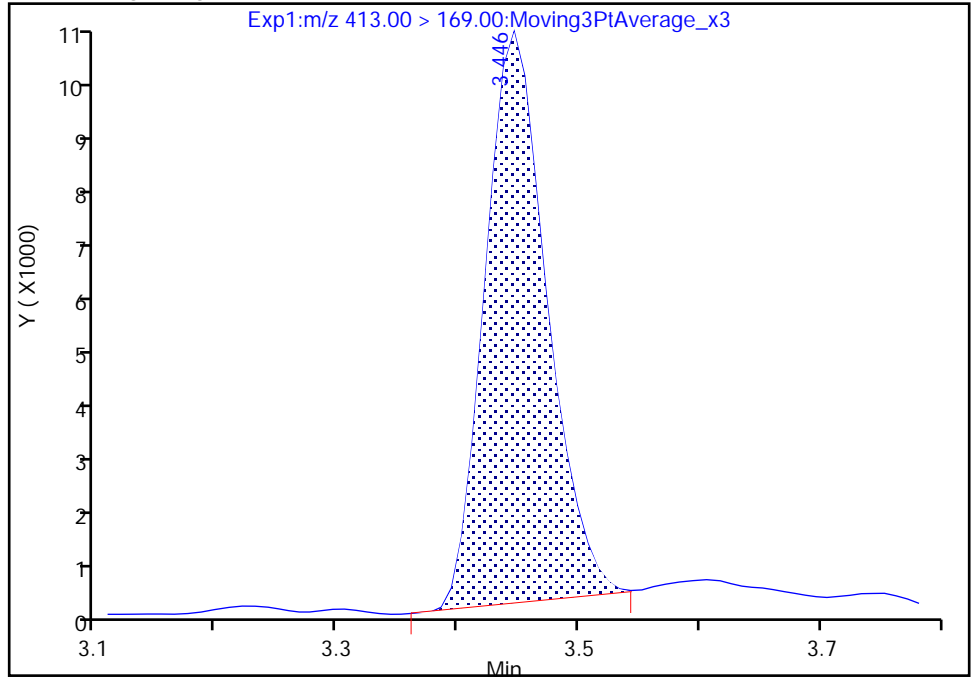
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

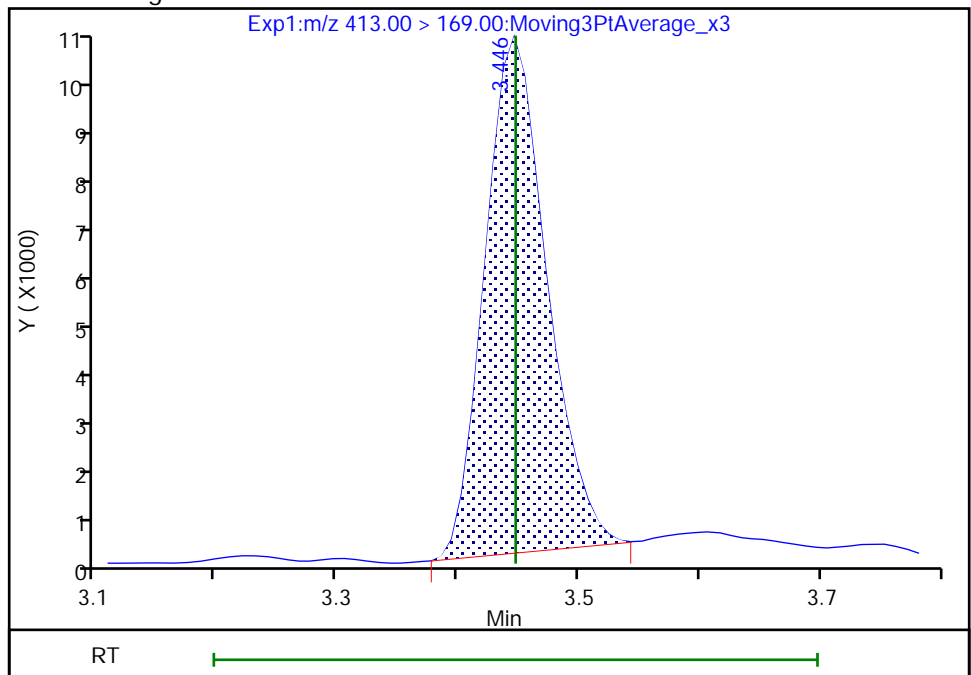
RT: 3.45
Area: 37242
Amount: 0.054917
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 37195
Amount: 0.050840
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:33:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

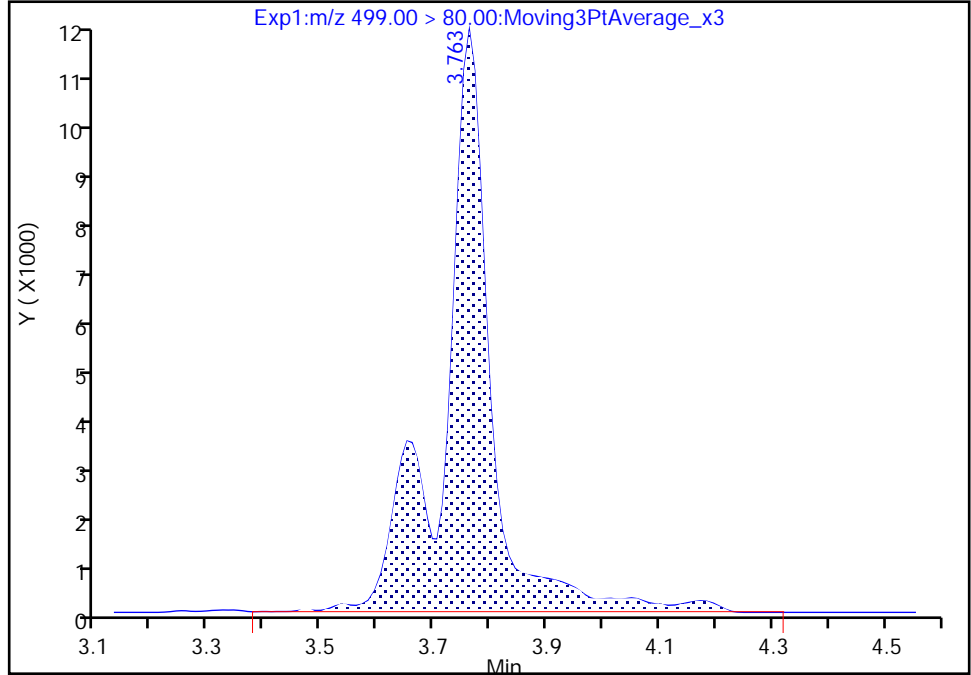
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

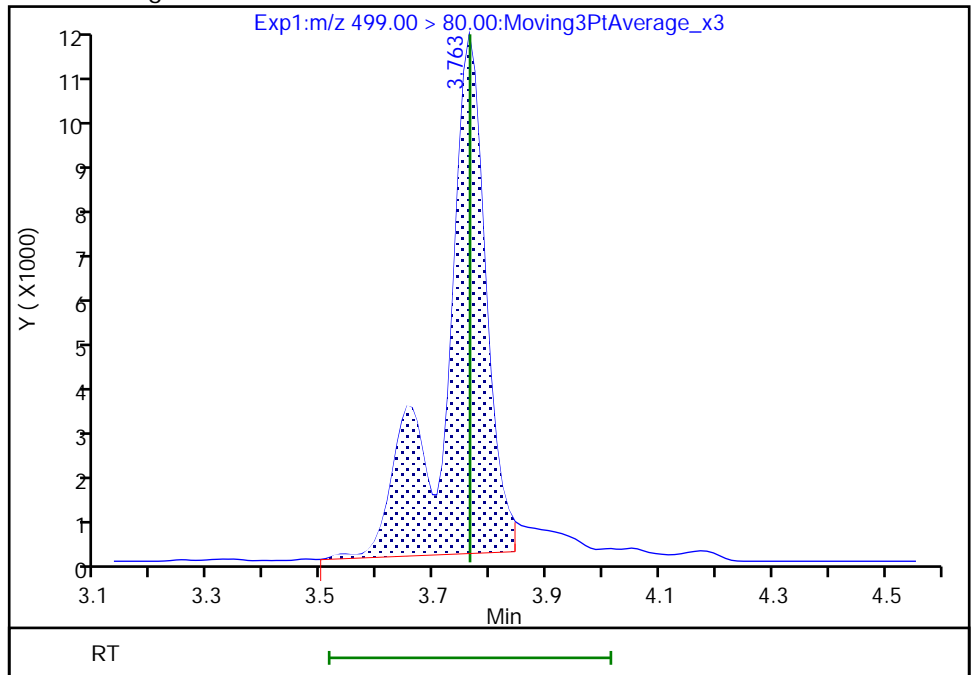
RT: 3.76
Area: 68256
Amount: 0.053778
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 58005
Amount: 0.045702
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:33:59
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

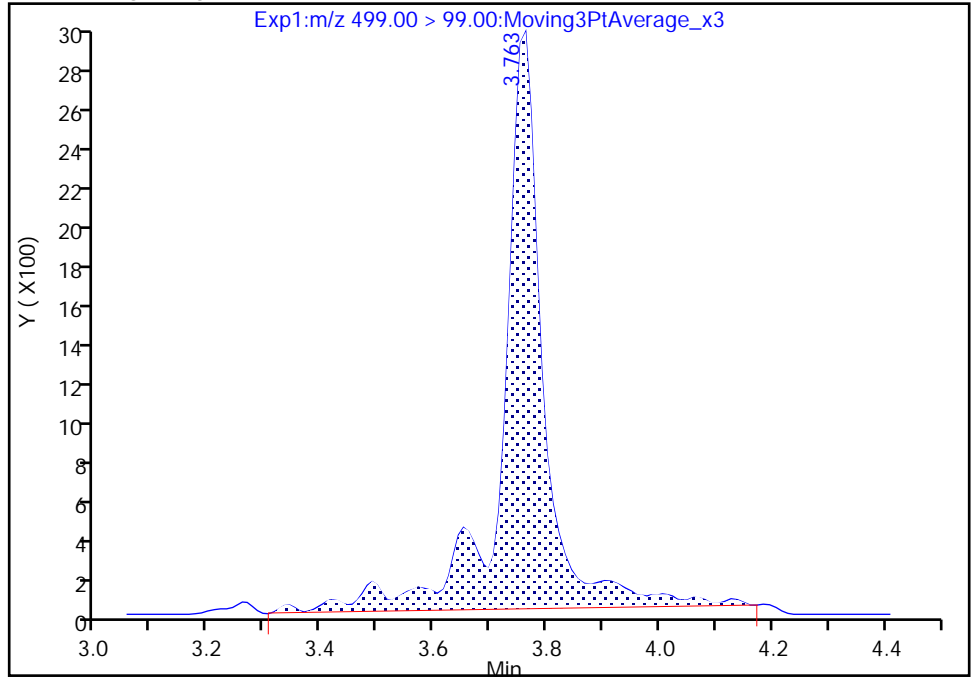
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

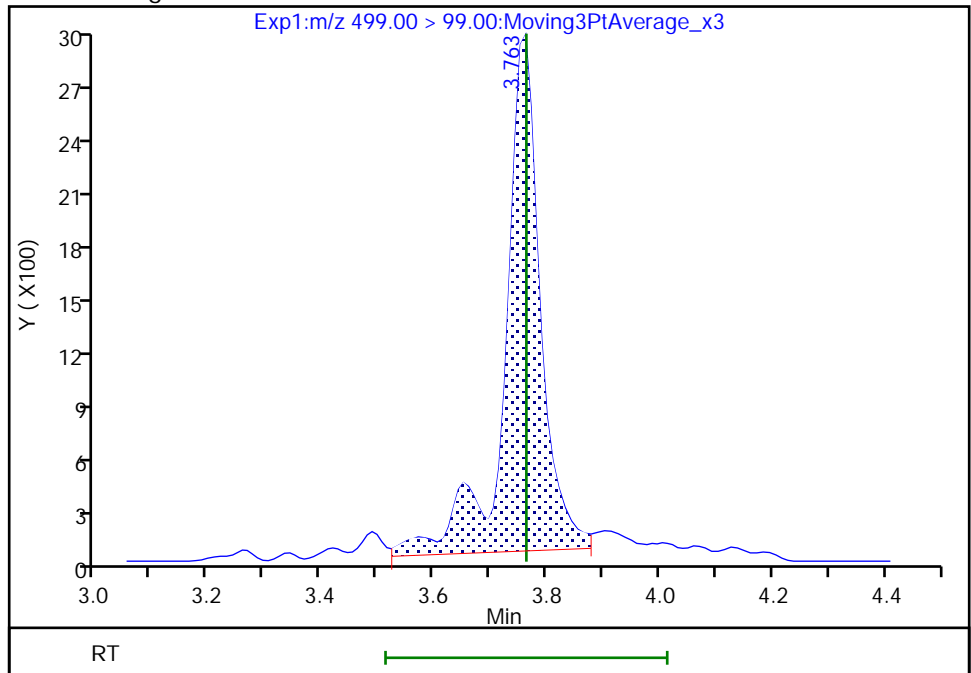
RT: 3.76
Area: 15275
Amount: 0.053778
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 12791
Amount: 0.045702
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 14:34:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

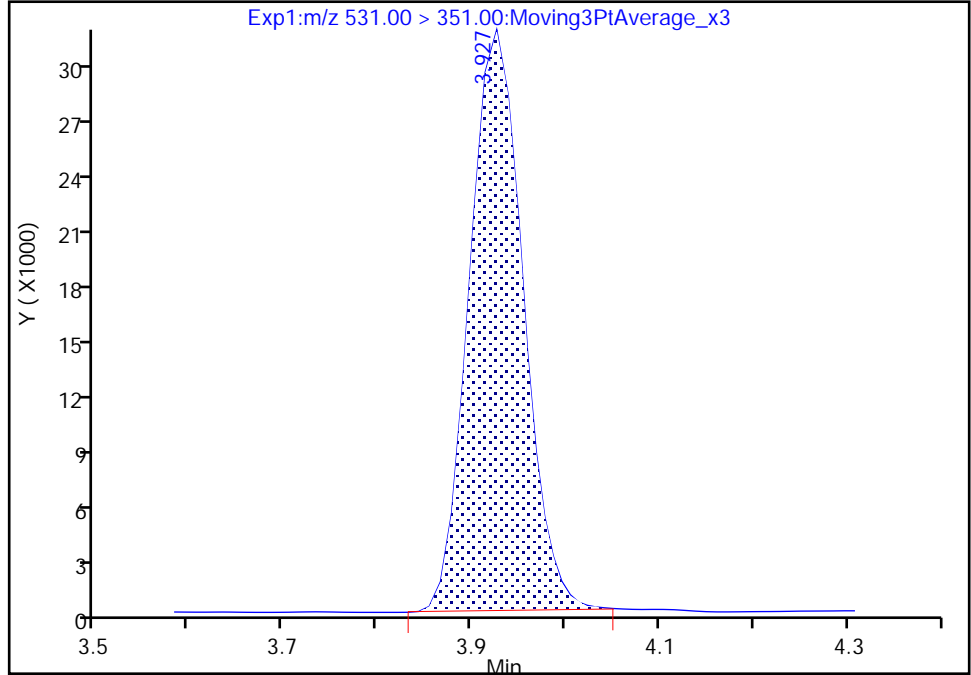
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

69 9-Chlorohexadecafluoro-3-oxanona, CAS: 756426-58-1

Signal: 1

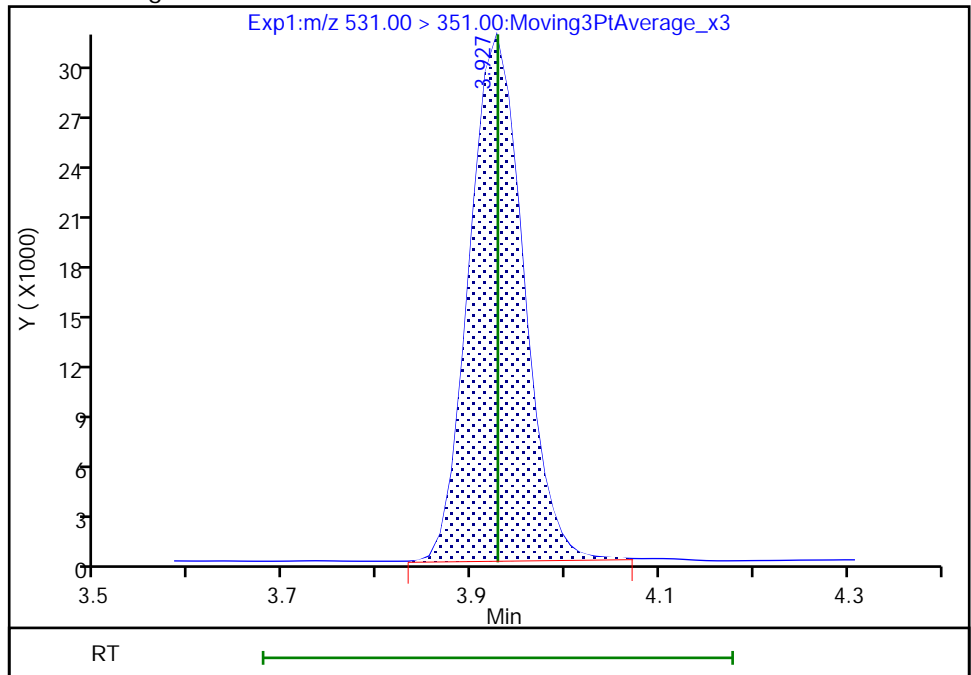
RT: 3.93
Area: 124456
Amount: 0.042725
Amount Units: ng/ml

Processing Integration Results



RT: 3.93
Area: 124855
Amount: 0.042862
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:34:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

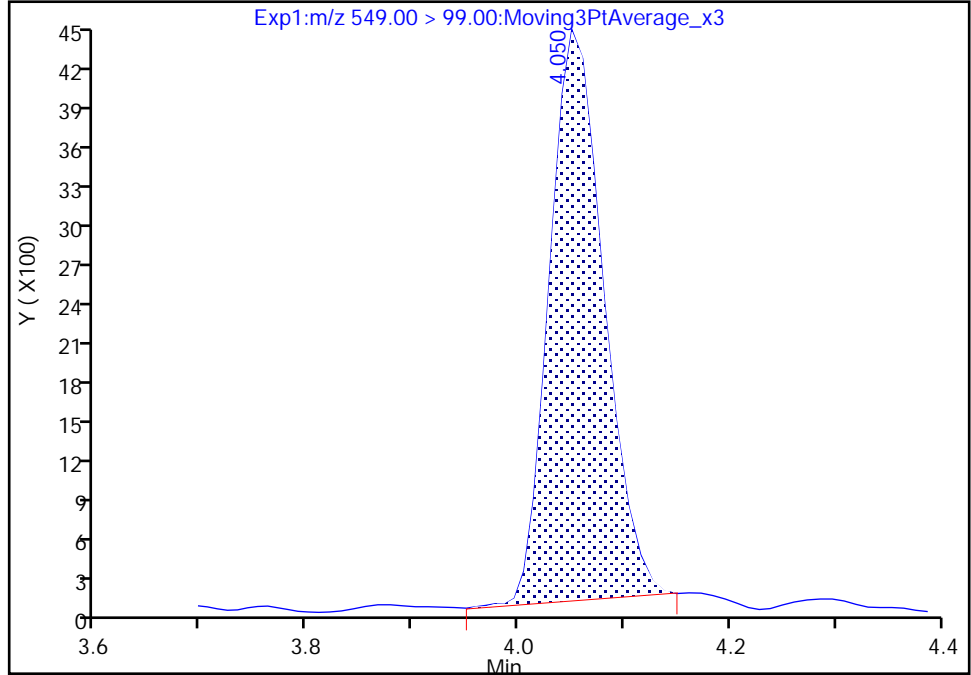
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 2

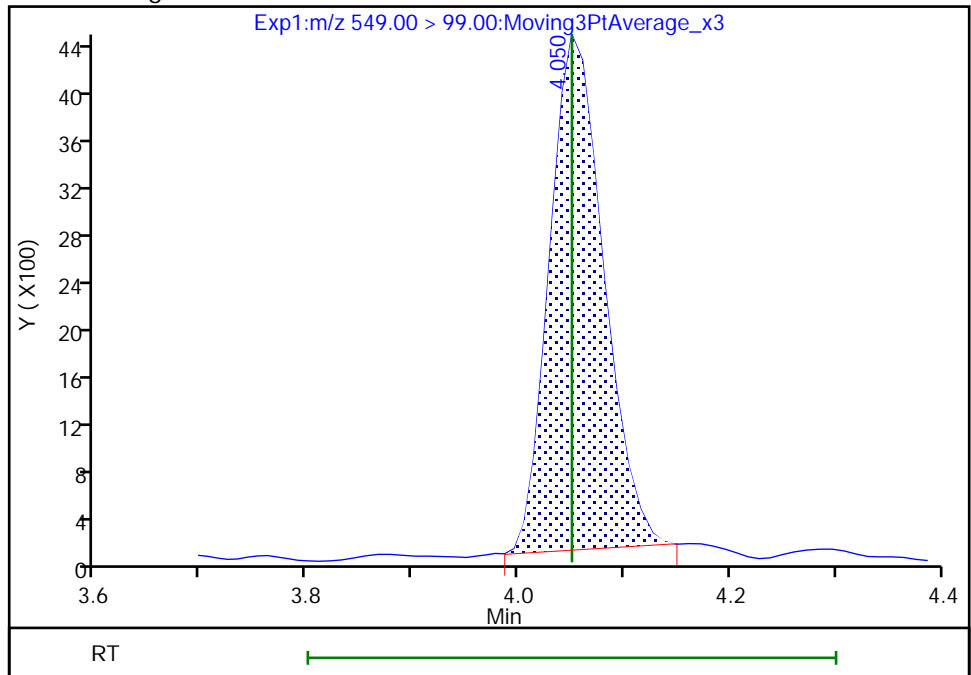
RT: 4.05
Area: 15579
Amount: 0.044993
Amount Units: ng/ml

Processing Integration Results



RT: 4.05
Area: 15505
Amount: 0.044993
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:34:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

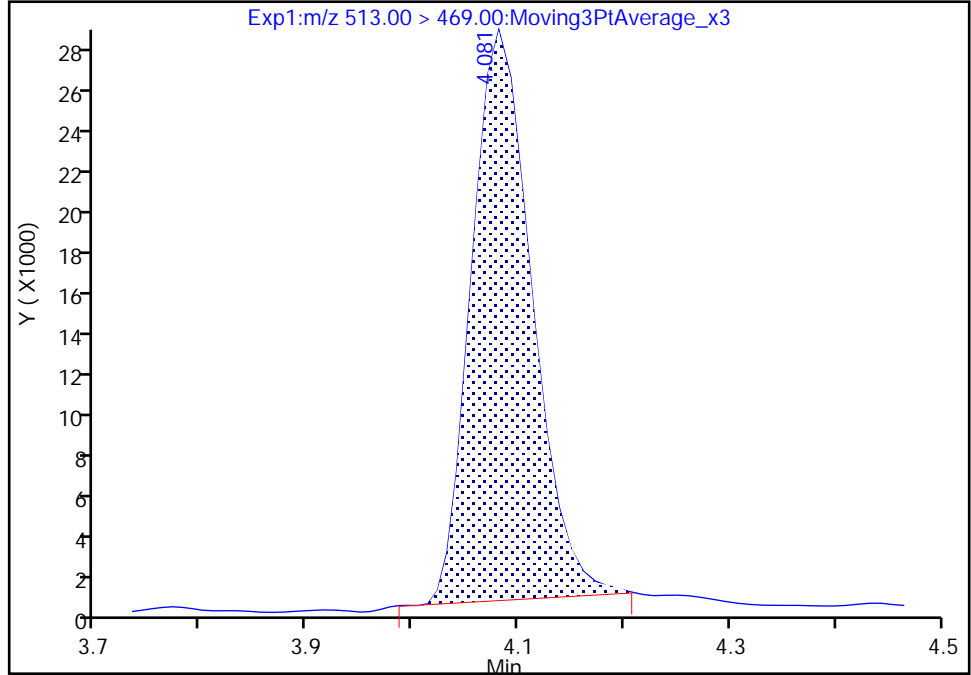
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

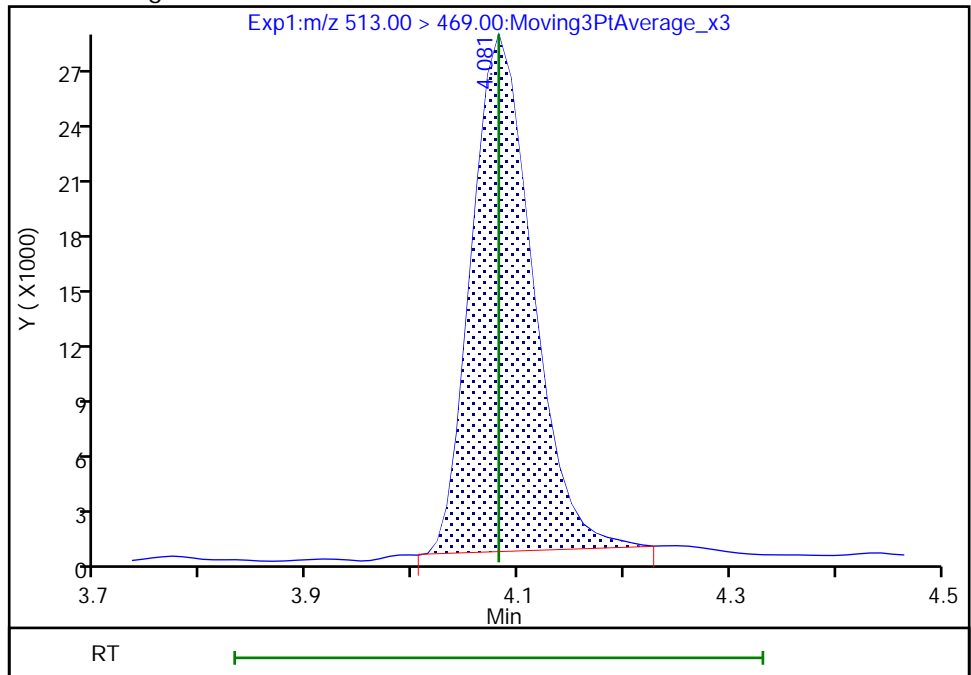
RT: 4.08
Area: 111436
Amount: 0.048048
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 112825
Amount: 0.048647
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:35:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

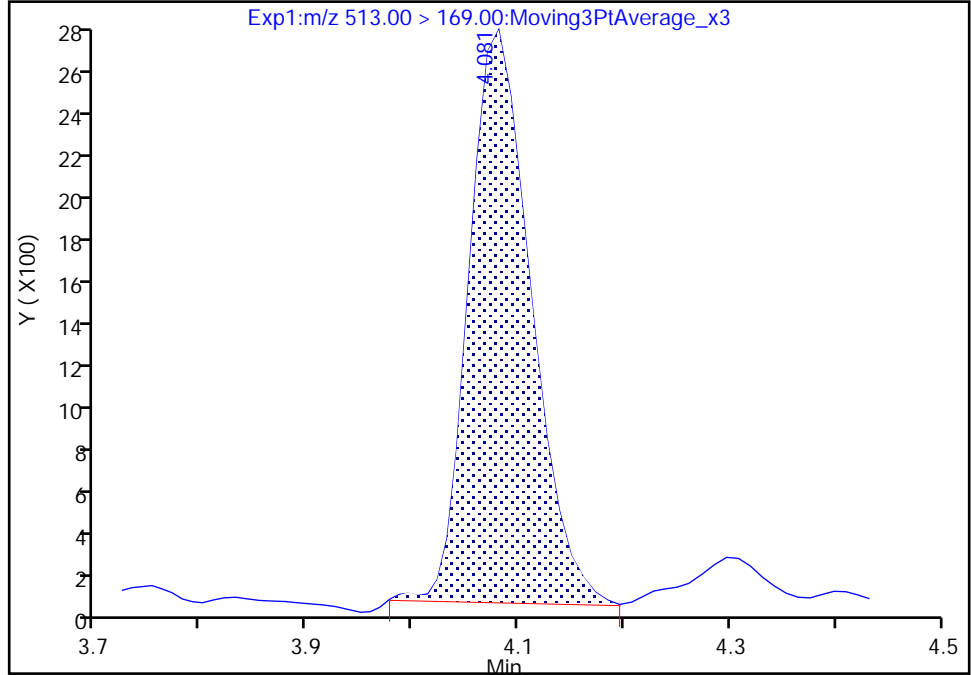
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

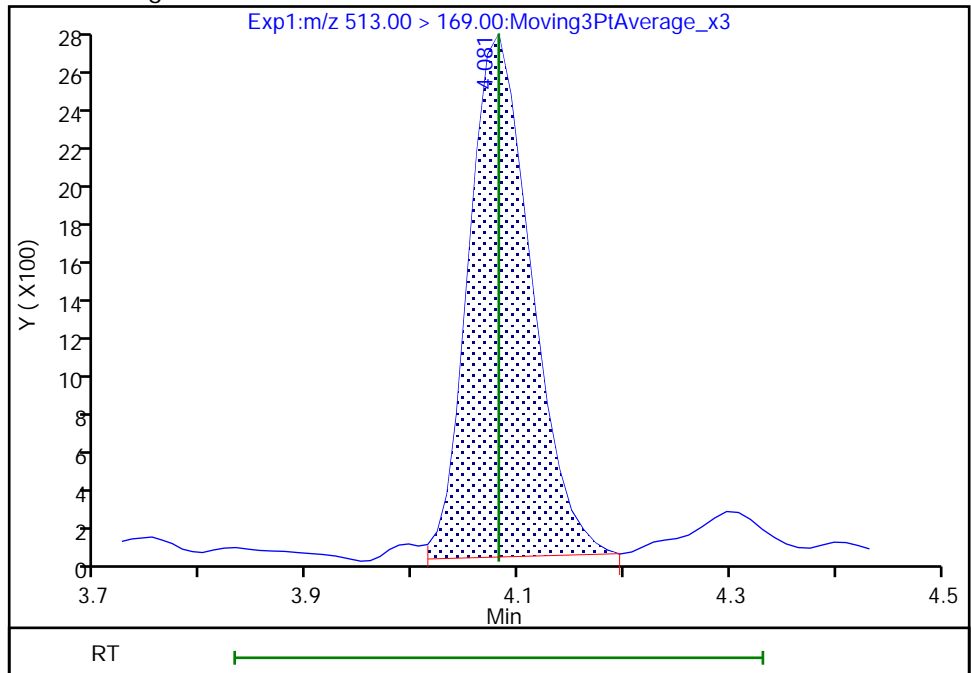
RT: 4.08
Area: 11007
Amount: 0.048048
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 11214
Amount: 0.048647
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:35:06

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

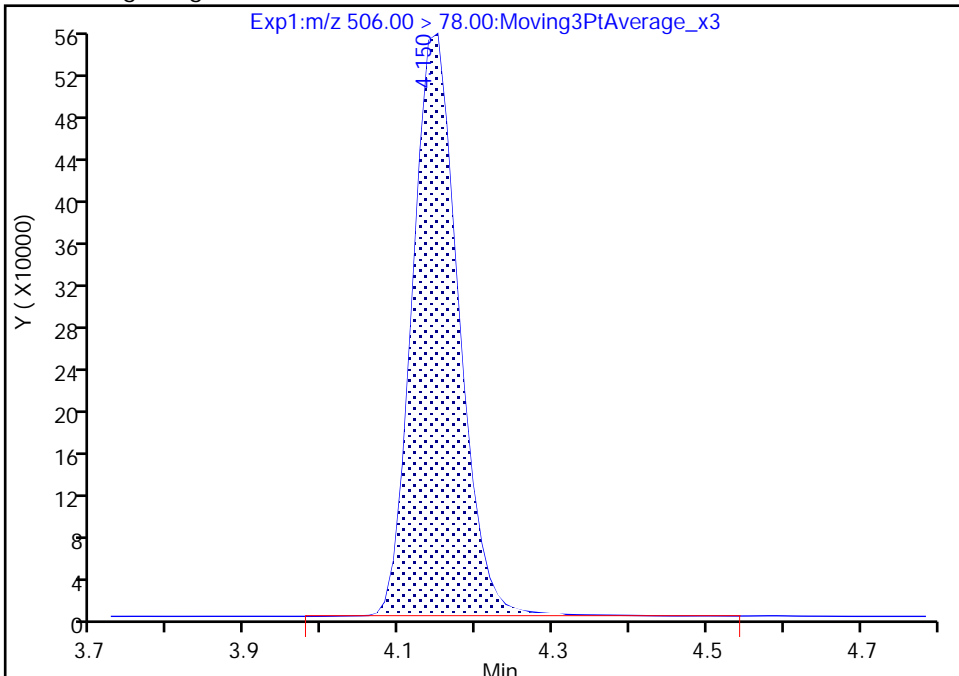
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

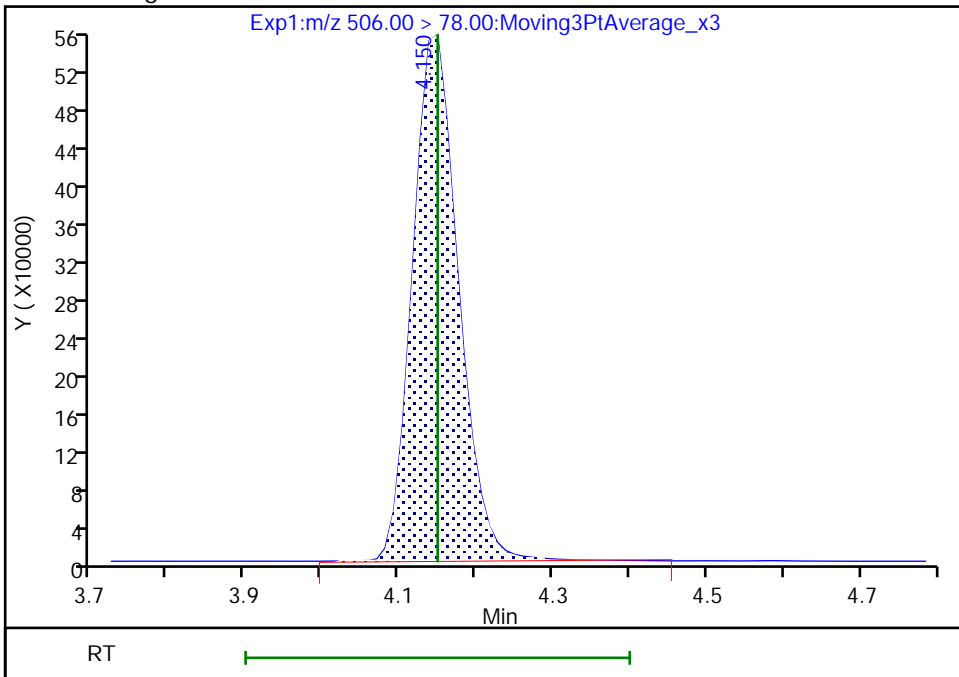
RT: 4.15
Area: 2306700
Amount: 1.327379
Amount Units: ng/ml

Processing Integration Results



RT: 4.15
Area: 2300421
Amount: 1.323766
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:30:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

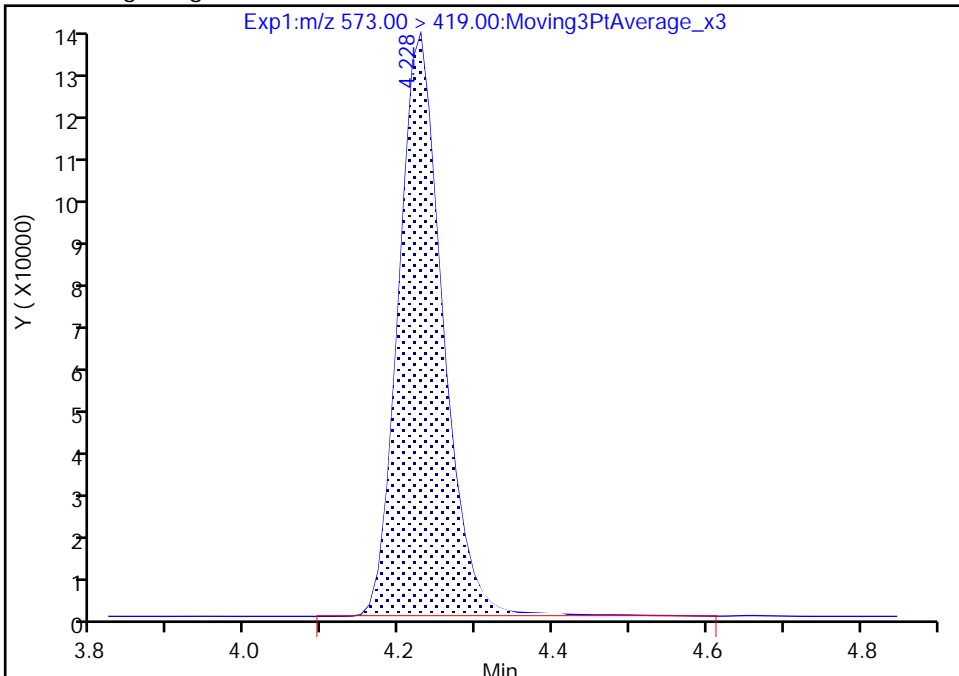
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

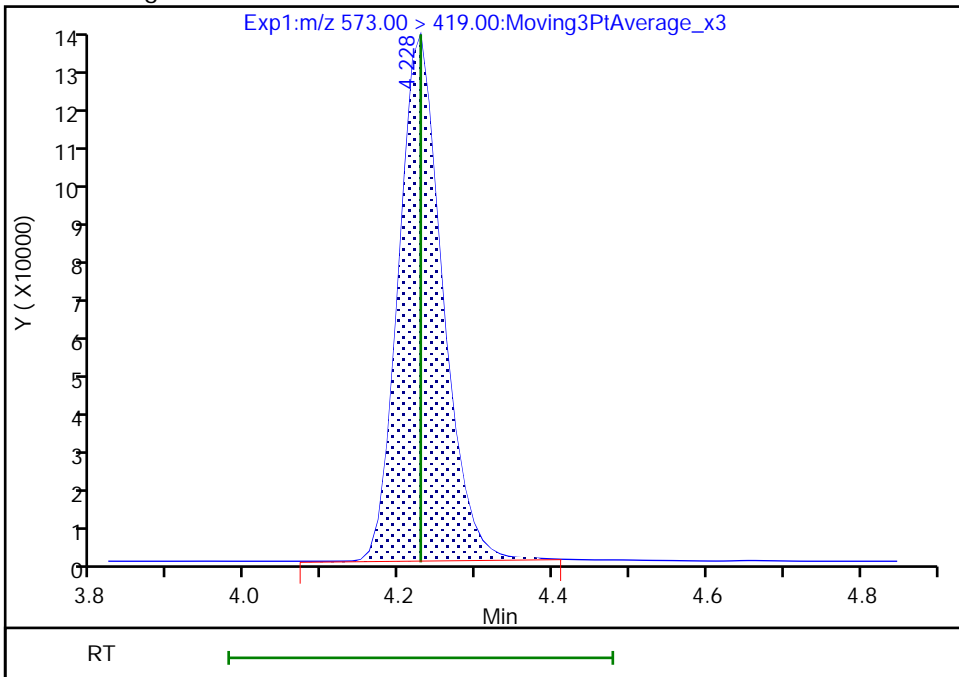
RT: 4.23
Area: 553233
Amount: 1.281862
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 545331
Amount: 1.263553
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 09-Dec-2022 11:01:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

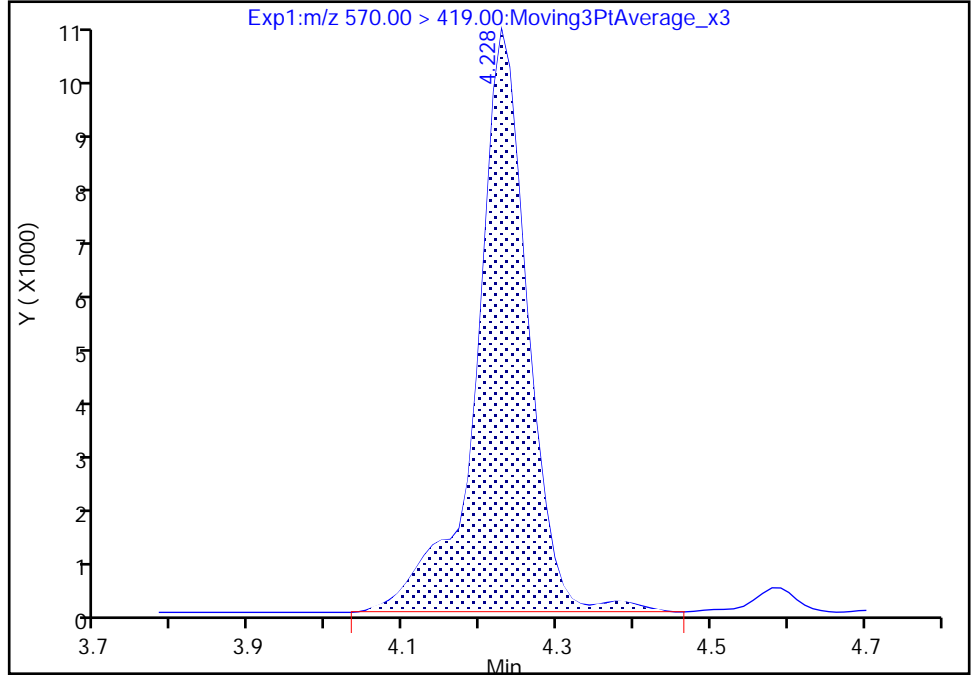
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

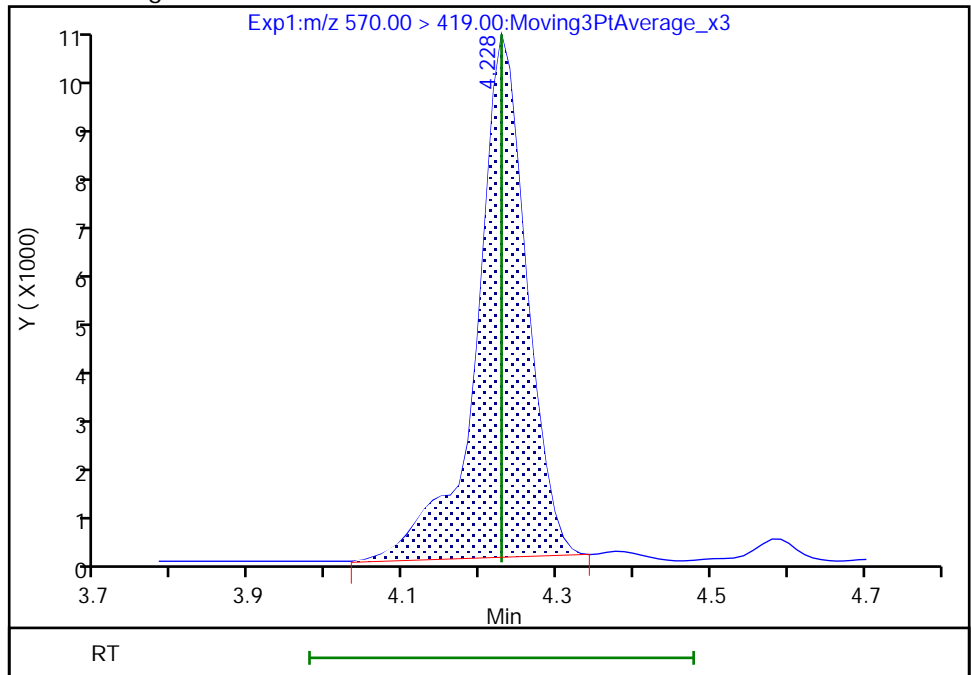
RT: 4.23
Area: 49350
Amount: 0.118392
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 47281
Amount: 0.114357
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:35:17
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

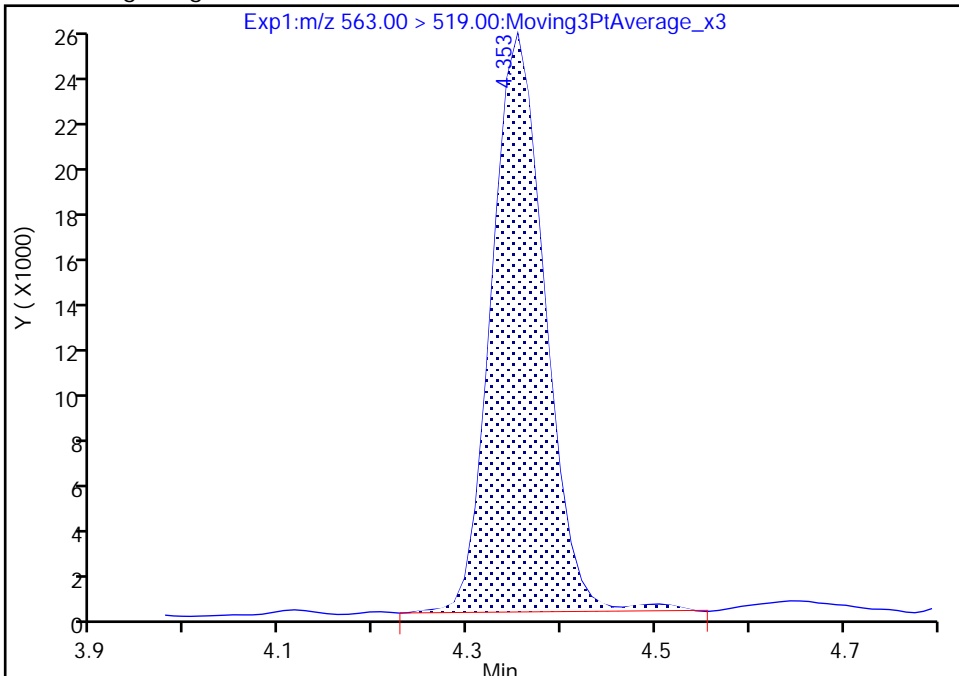
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

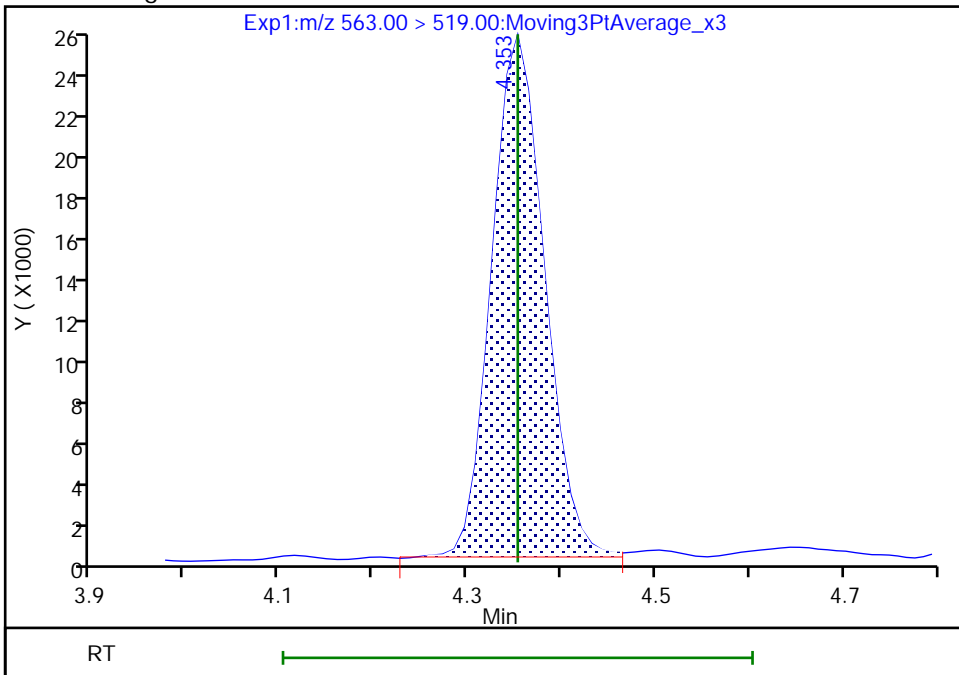
RT: 4.35
Area: 98886
Amount: 0.048455
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 97773
Amount: 0.047909
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:35:28
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

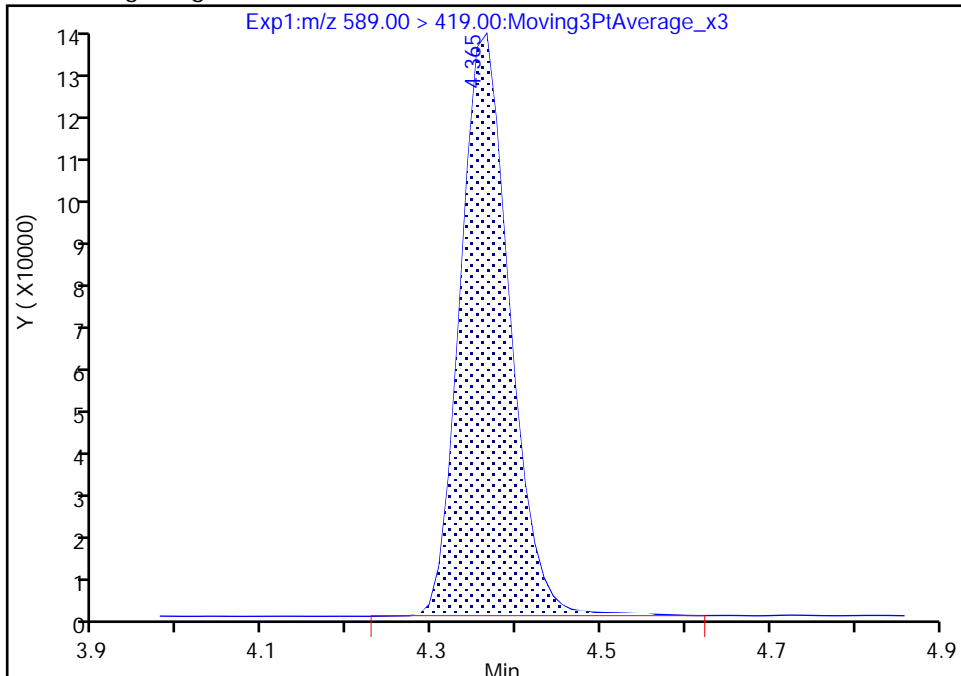
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 32 d5-NEtFOSAA, CAS: STL02117

Signal: 1

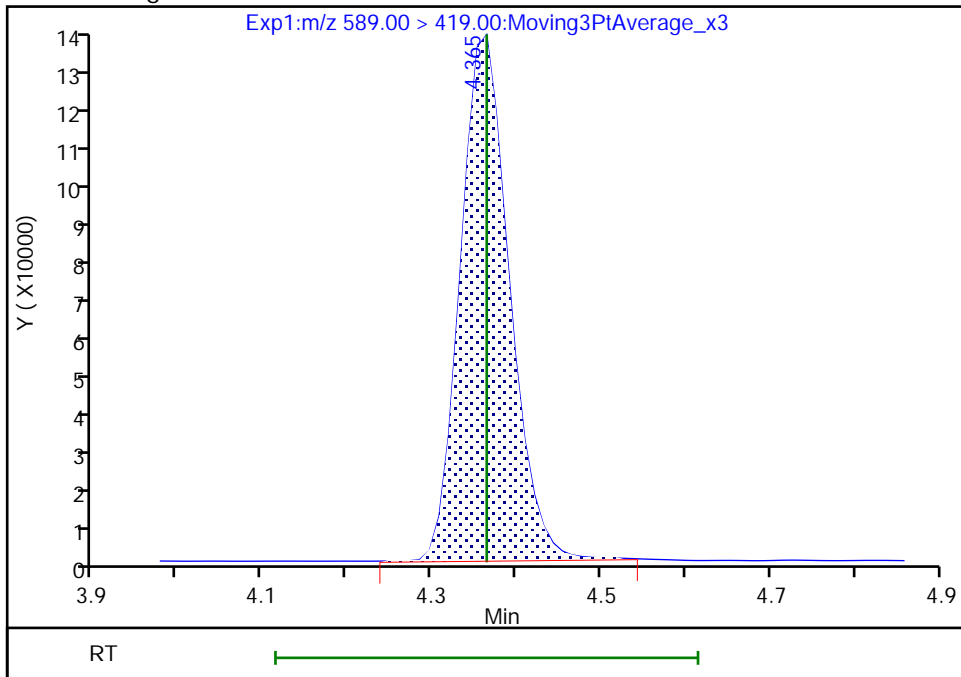
RT: 4.36
Area: 558556
Amount: 1.314366
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 552947
Amount: 1.301167
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 09-Dec-2022 11:01:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

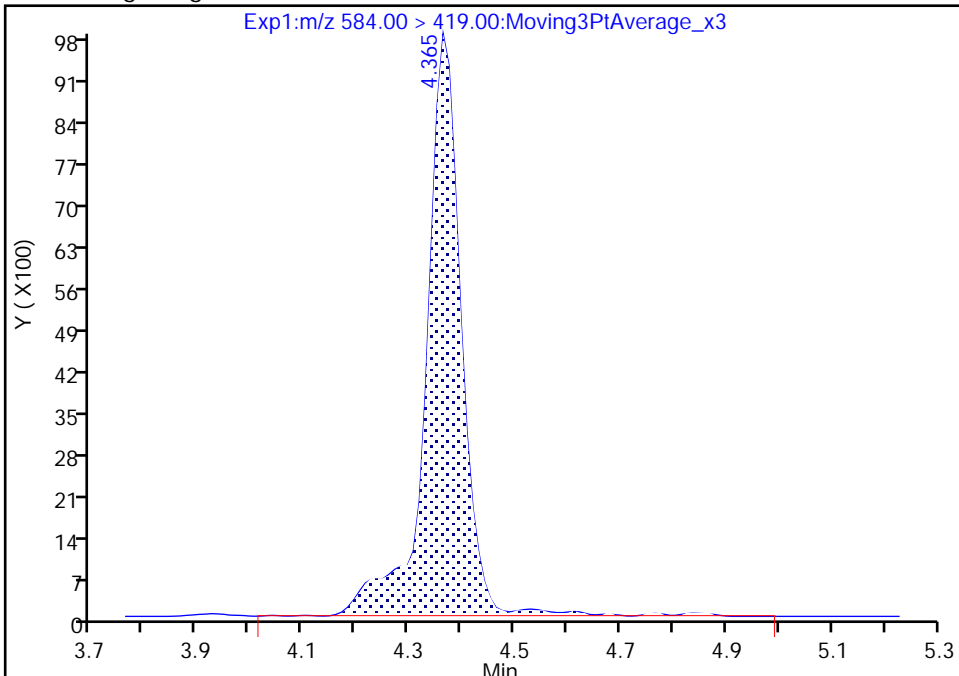
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Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

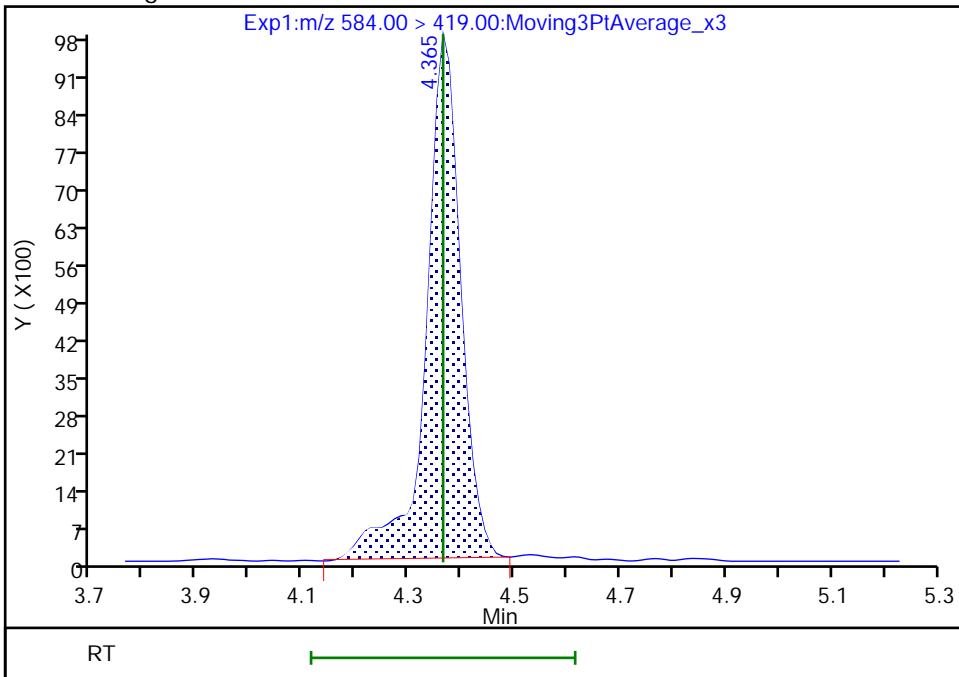
RT: 4.36
Area: 46679
Amount: 0.116686
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 44496
Amount: 0.112358
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:35:37
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

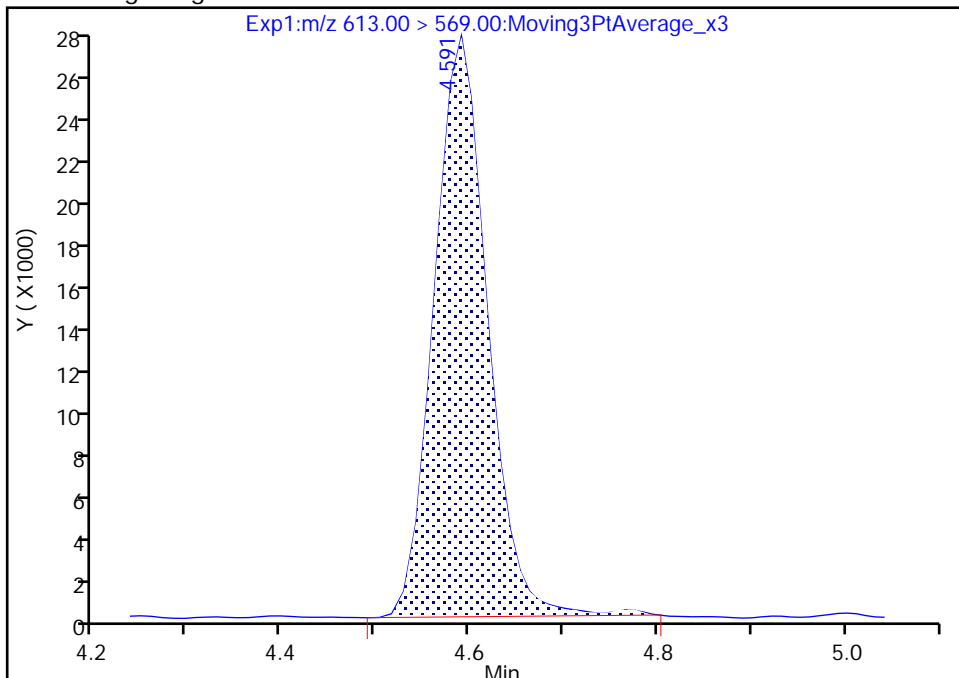
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

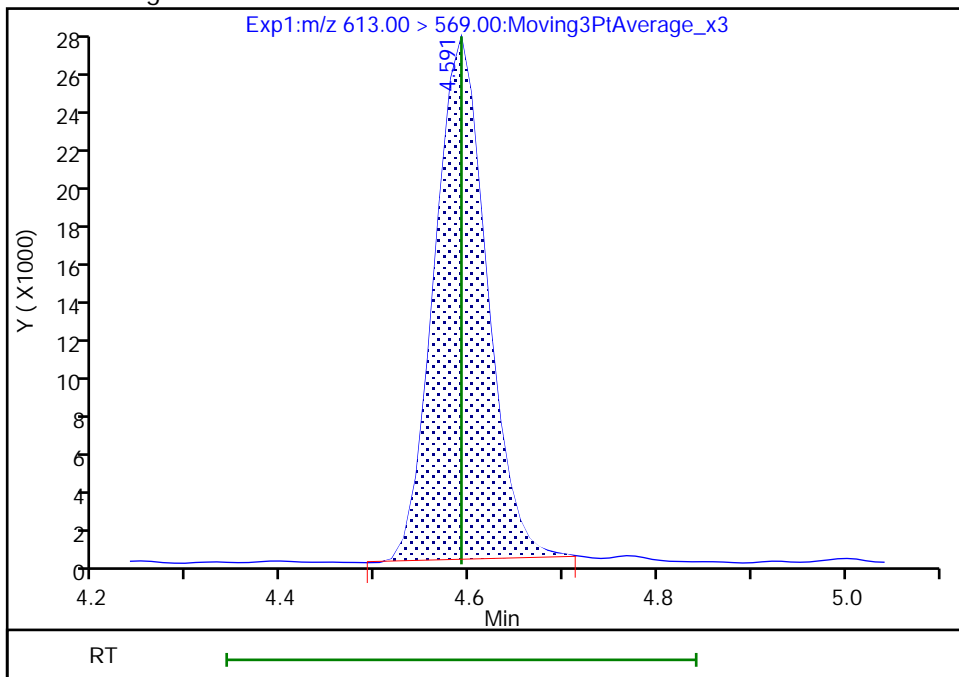
RT: 4.59
Area: 106053
Amount: 0.050236
Amount Units: ng/ml

Processing Integration Results



RT: 4.59
Area: 103237
Amount: 0.048902
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 09-Dec-2022 11:01:33
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

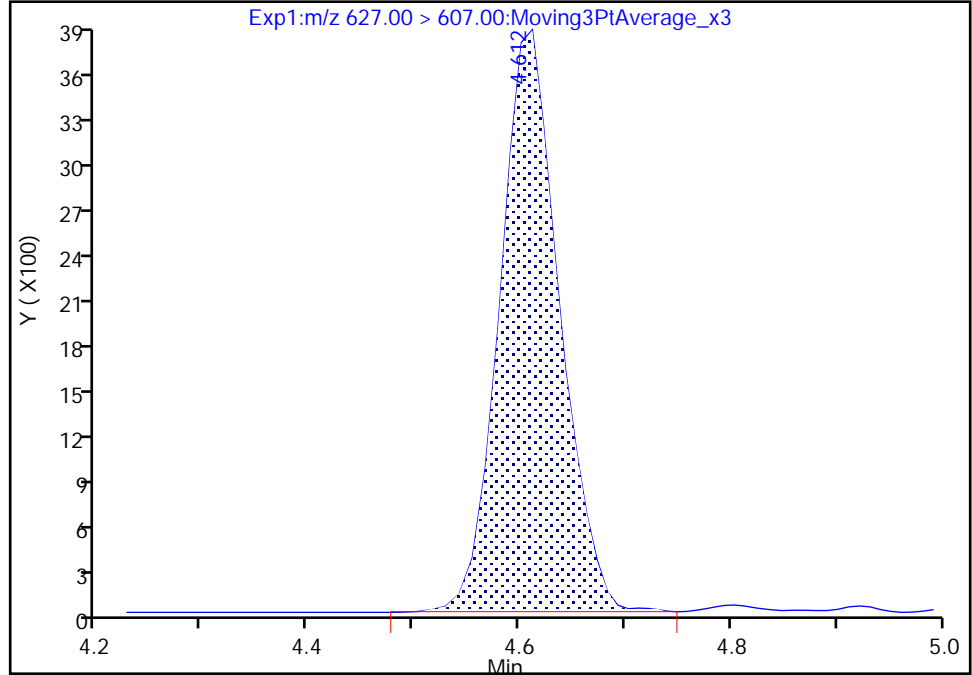
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

74 1H,1H,2H,2H-perfluorododecanesul, CAS: 120226-60-0

Signal: 1

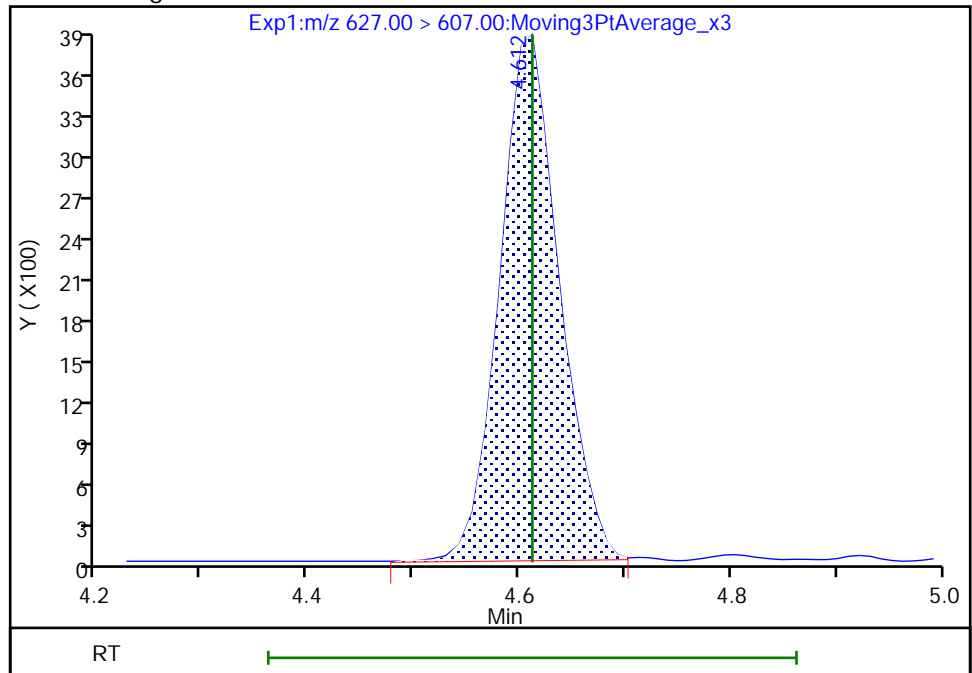
RT: 4.61
Area: 15049
Amount: 0.049952
Amount Units: ng/ml

Processing Integration Results



RT: 4.61
Area: 15008
Amount: 0.049816
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:36:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

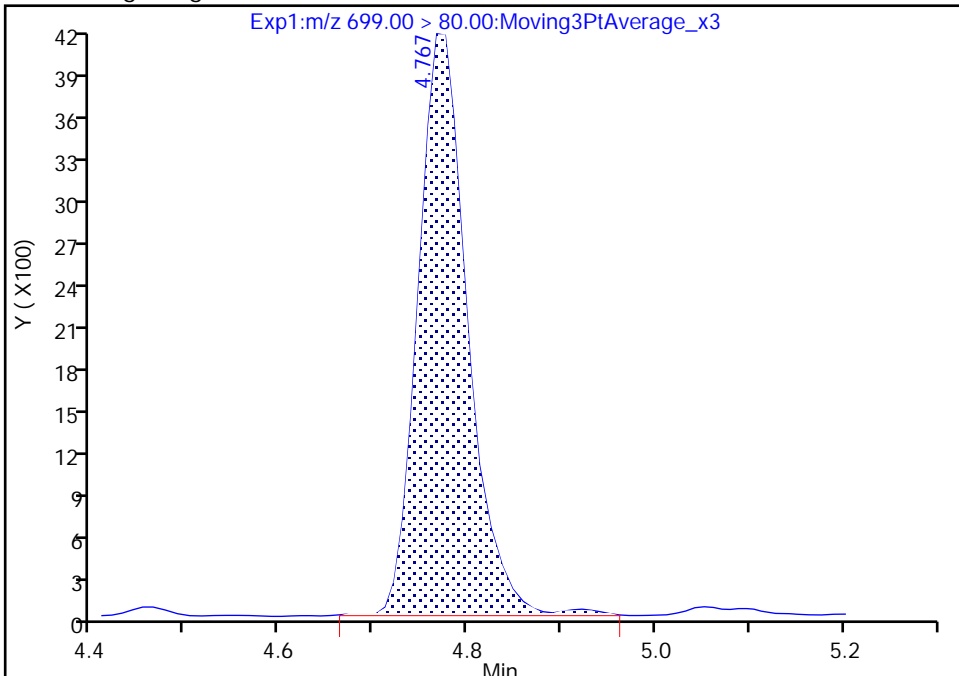
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

75 Perfluorododecanesulfonic acid (, CAS: 79780-39-5

Signal: 1

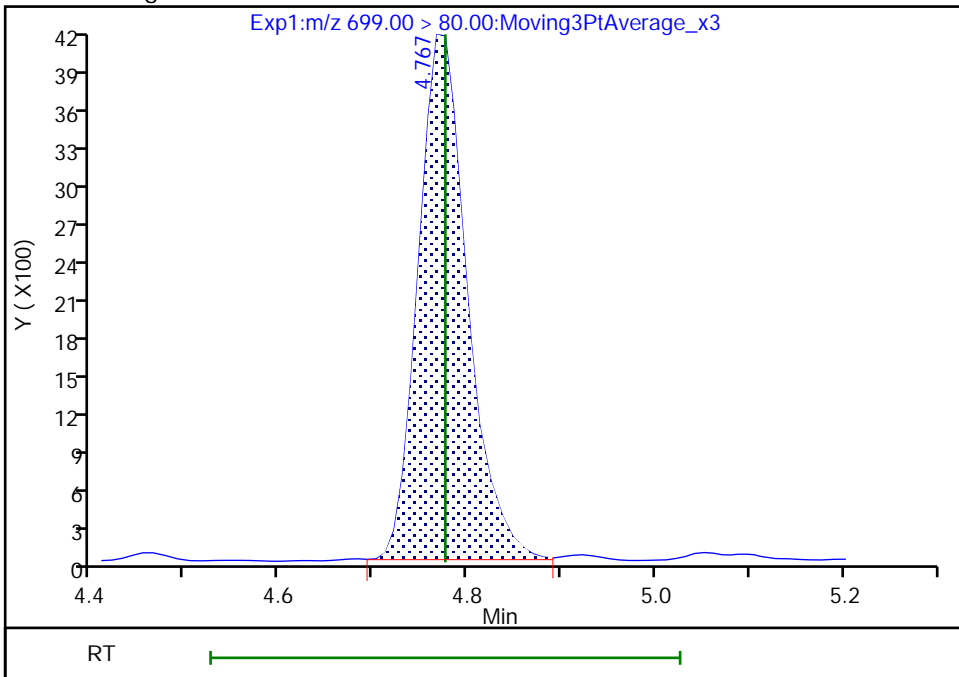
RT: 4.77
Area: 15060
Amount: 0.047058
Amount Units: ng/ml

Processing Integration Results



RT: 4.77
Area: 14927
Amount: 0.046642
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:36:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

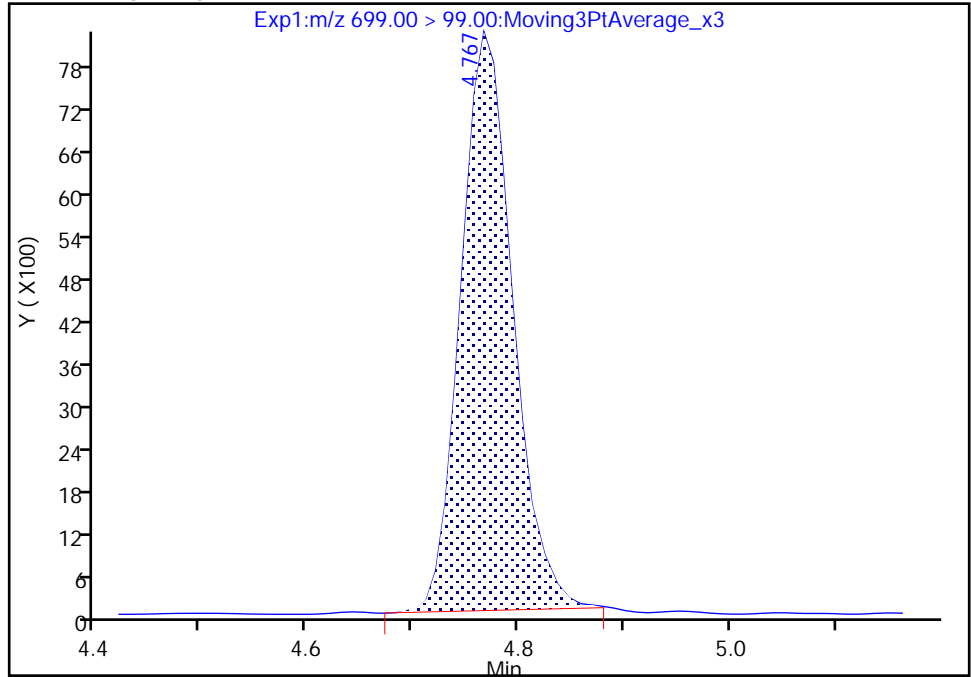
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

75 Perfluorododecanesulfonic acid (, CAS: 79780-39-5

Signal: 2

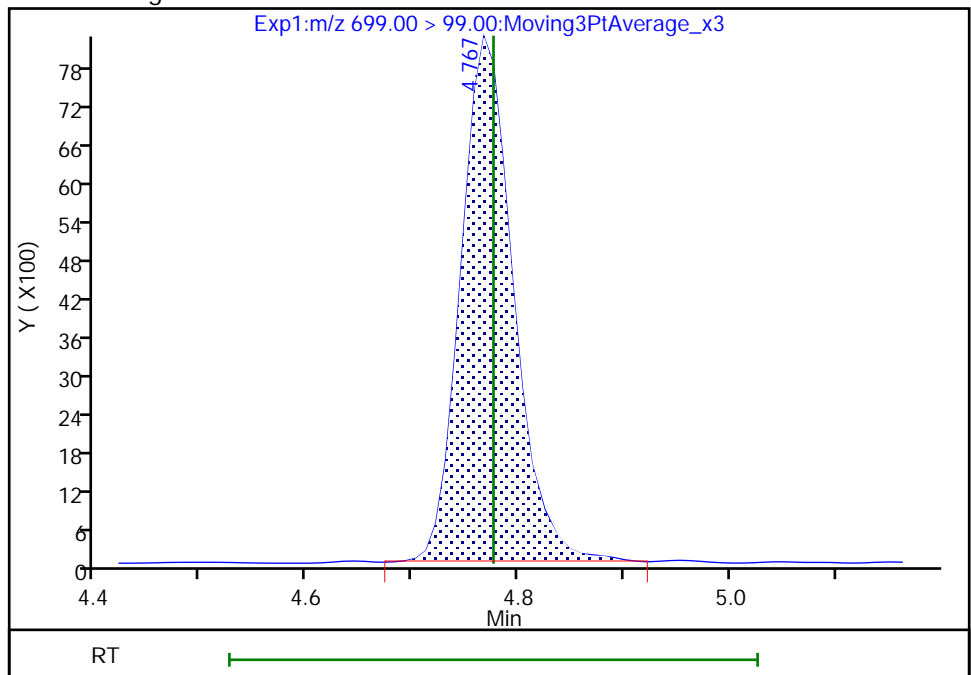
RT: 4.77
Area: 27721
Amount: 0.047058
Amount Units: ng/ml

Processing Integration Results



RT: 4.77
Area: 28374
Amount: 0.046642
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:36:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

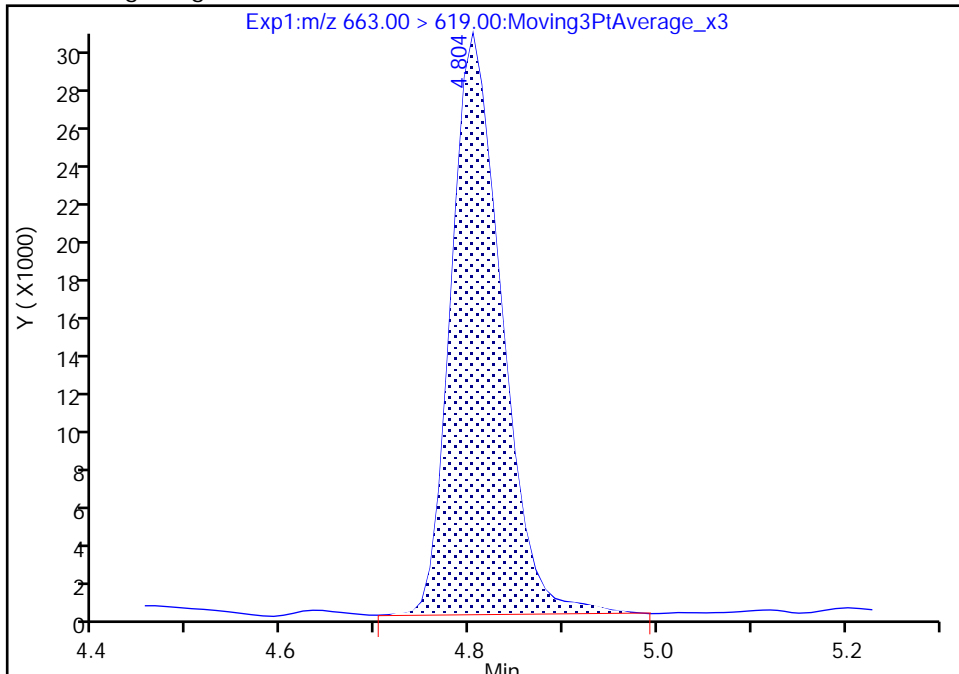
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

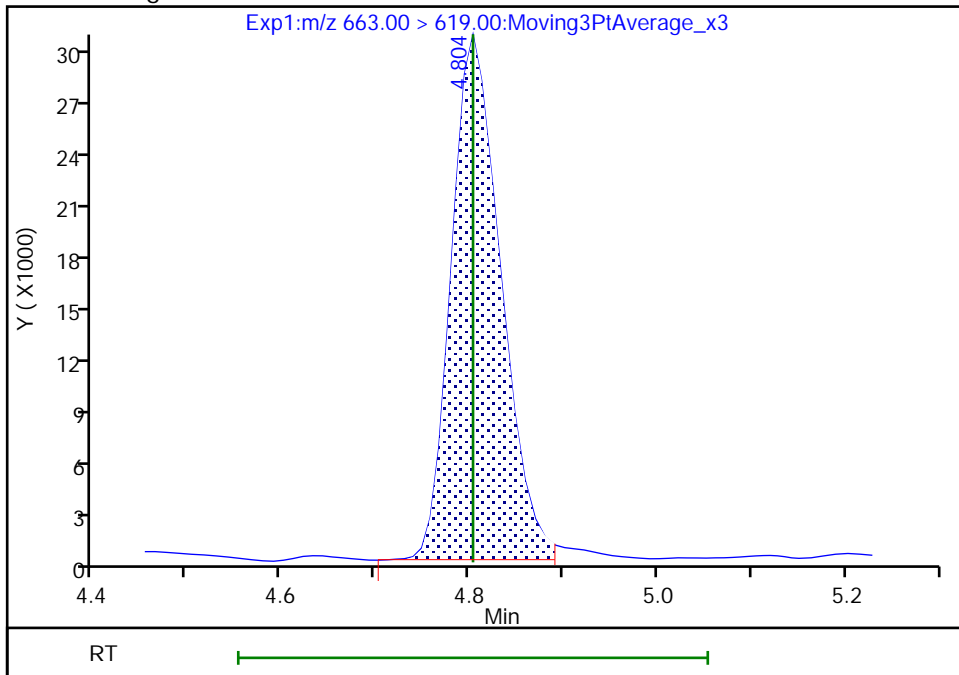
RT: 4.80
Area: 109934
Amount: 0.054451
Amount Units: ng/ml

Processing Integration Results



RT: 4.80
Area: 107933
Amount: 0.053460
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:36:30
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

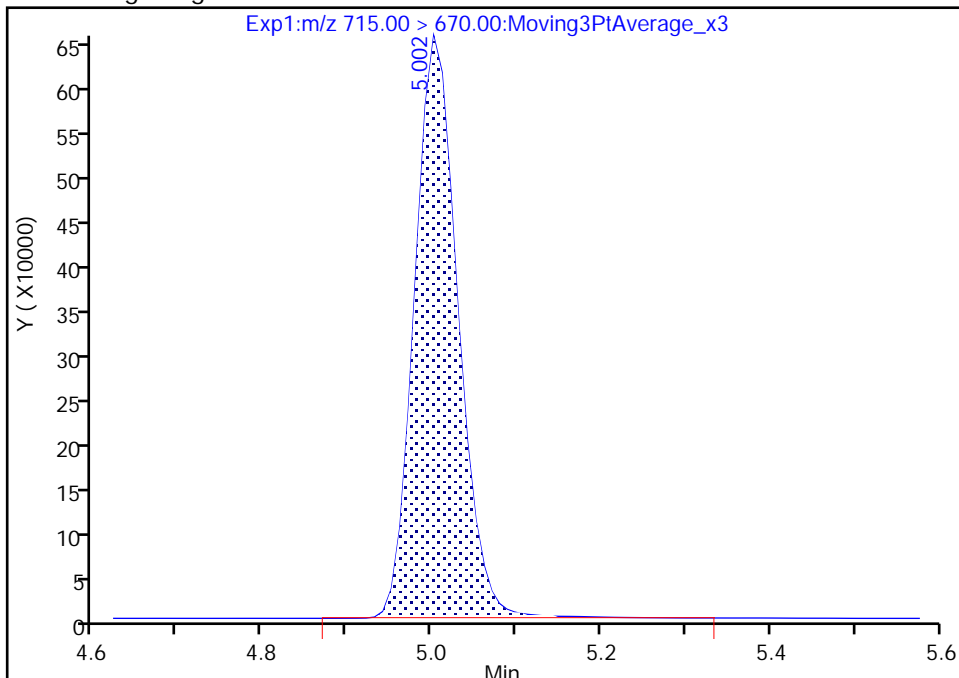
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

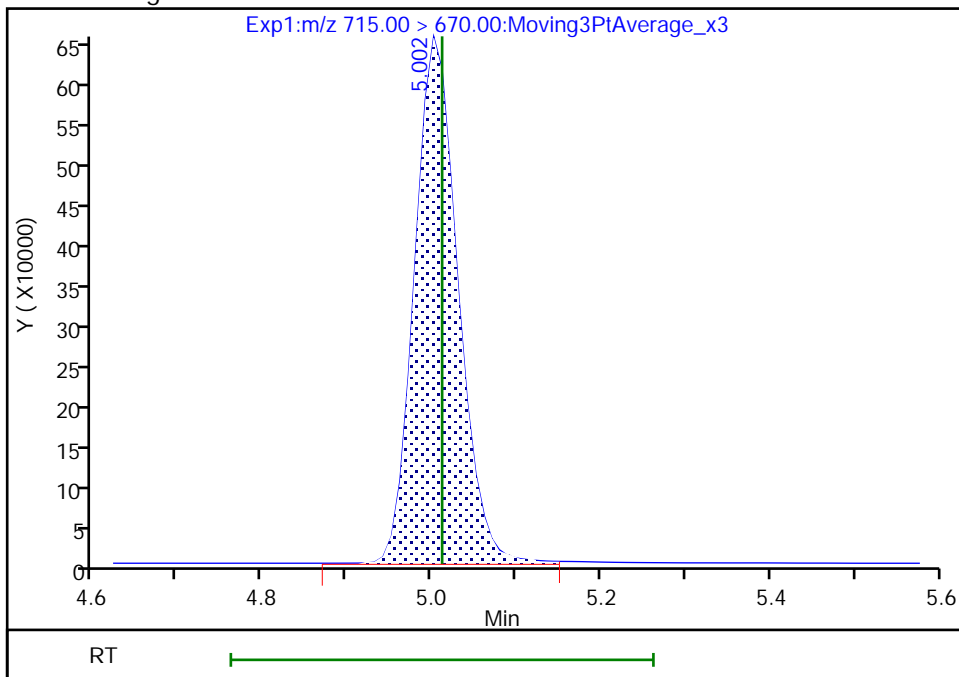
RT: 5.00
Area: 2327338
Amount: 1.360707
Amount Units: ng/ml

Processing Integration Results



RT: 5.00
Area: 2319804
Amount: 1.356302
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:31:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

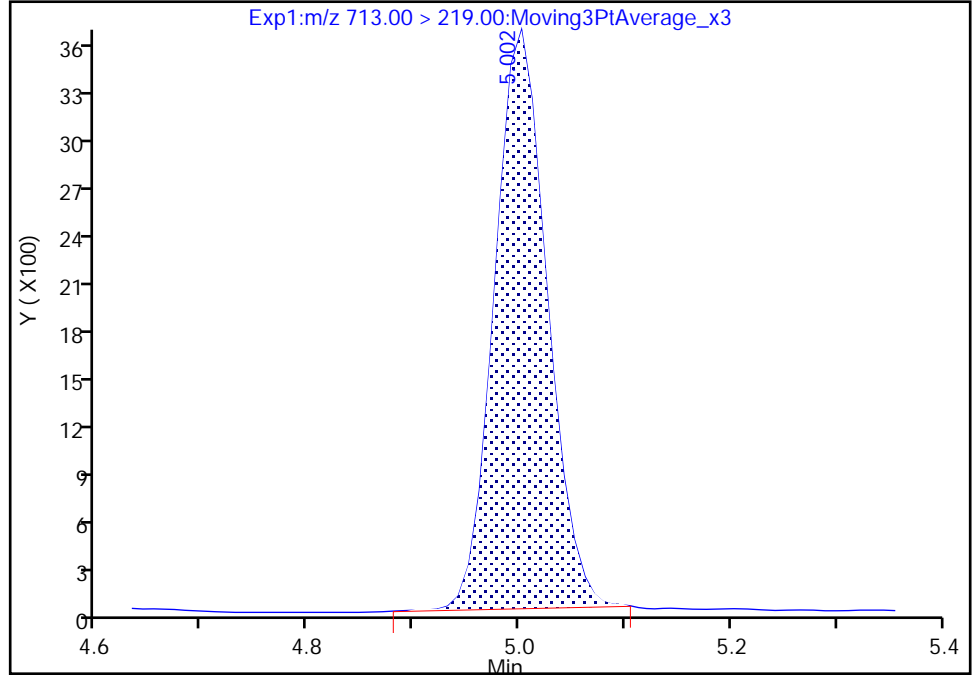
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

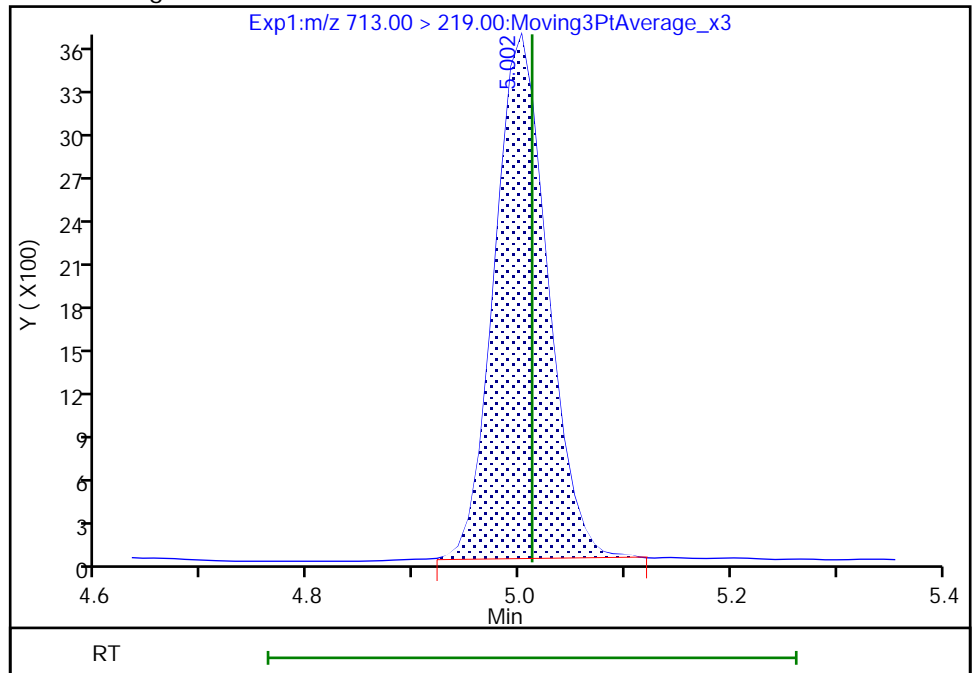
RT: 5.00
Area: 12504
Amount: 0.051014
Amount Units: ng/ml

Processing Integration Results



RT: 5.00
Area: 12567
Amount: 0.051179
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:36:39
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

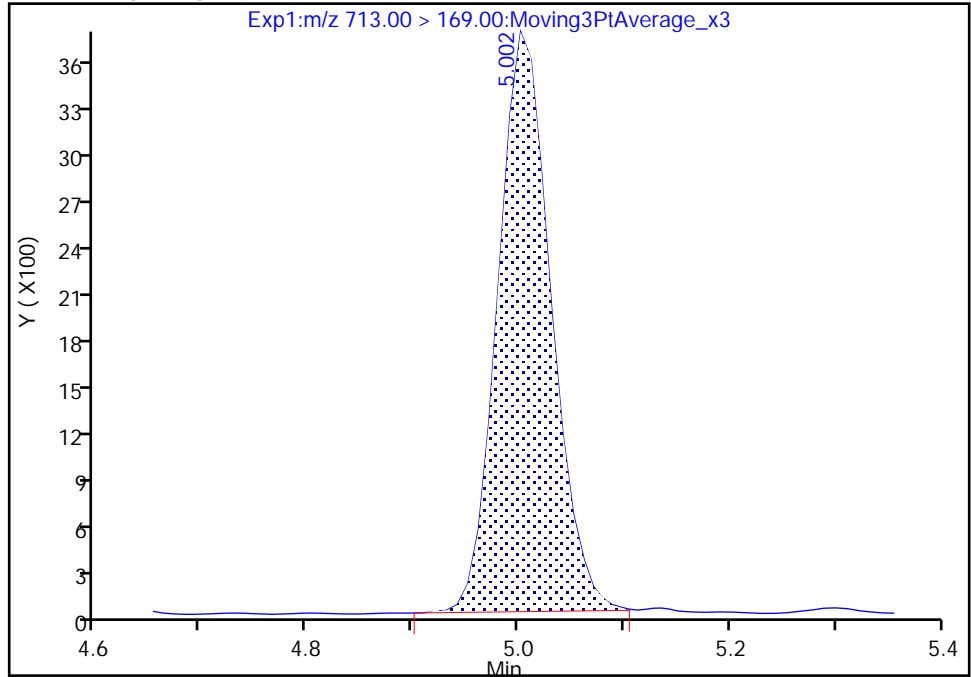
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

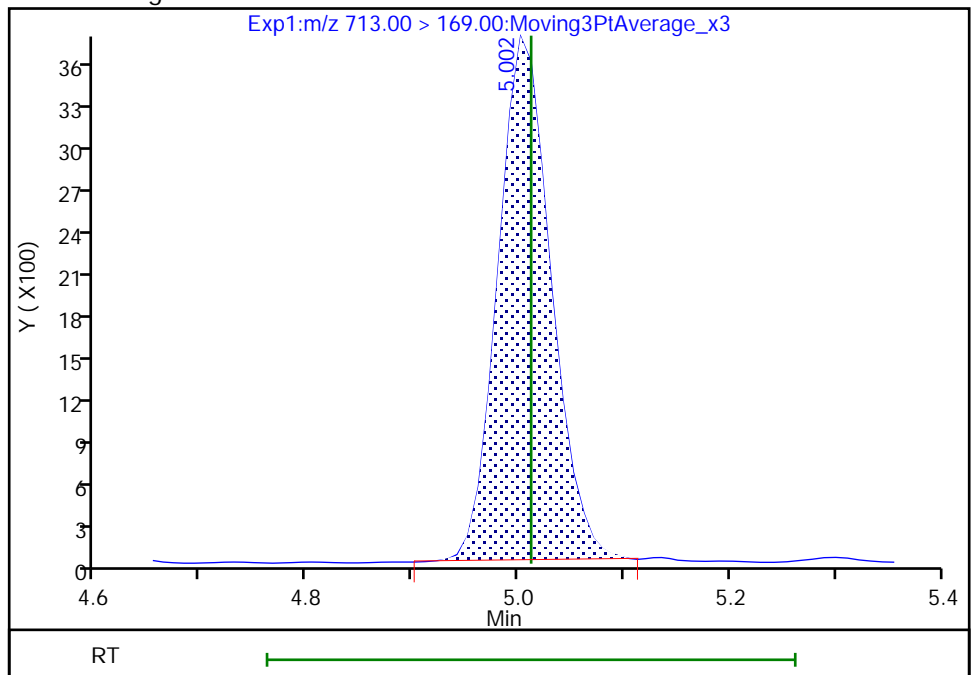
RT: 5.00
Area: 12961
Amount: 0.051014
Amount Units: ng/ml

Processing Integration Results



RT: 5.00
Area: 13003
Amount: 0.051179
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 14:36:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

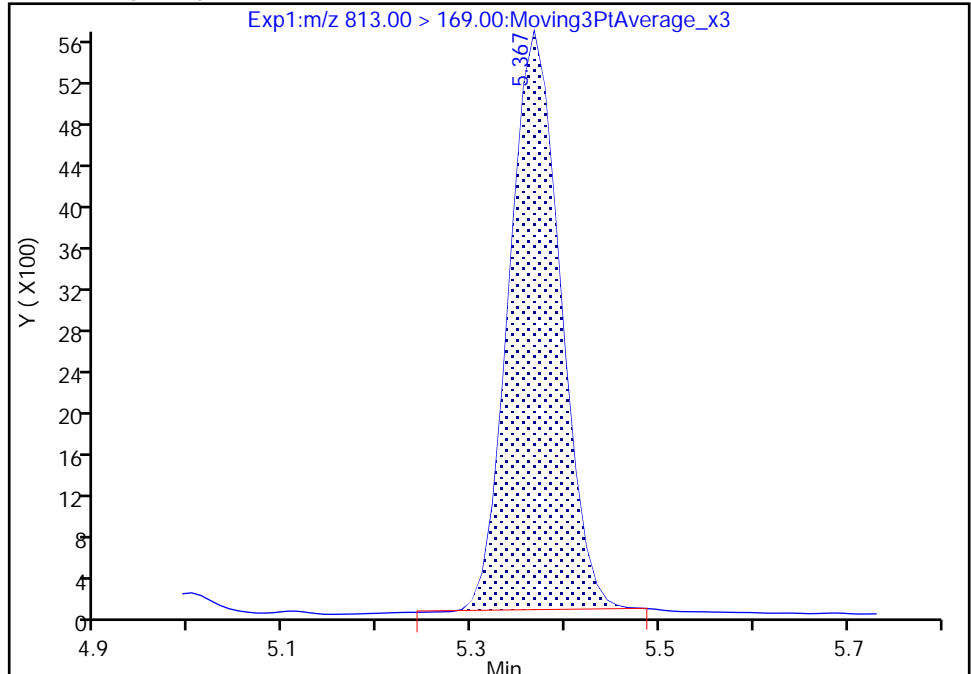
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

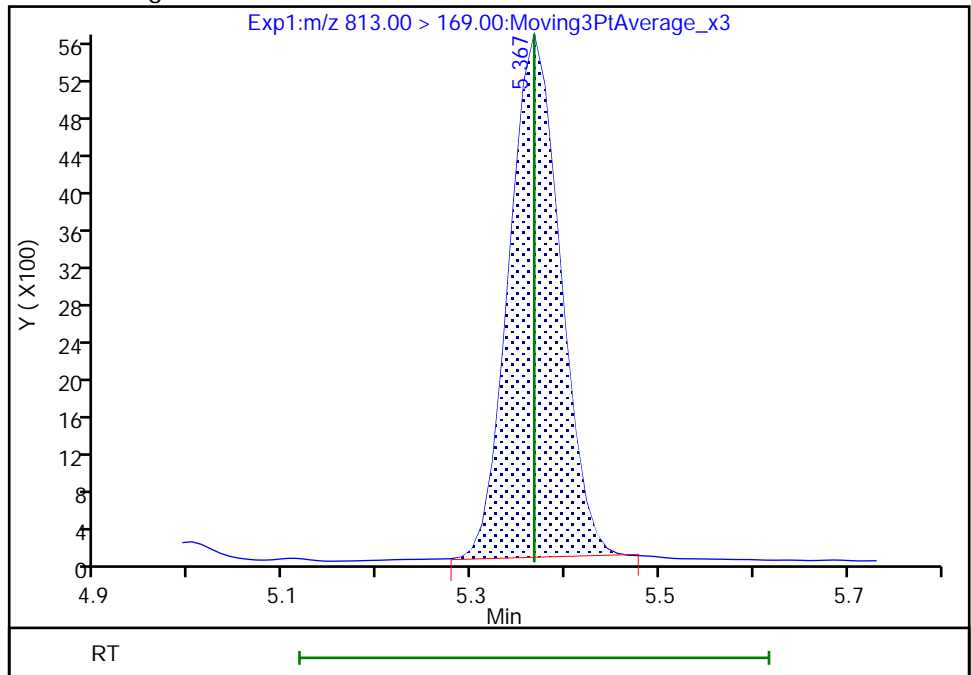
RT: 5.37
Area: 21088
Amount: 0.044575
Amount Units: ng/ml

Processing Integration Results



RT: 5.37
Area: 21044
Amount: 0.044575
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:36:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

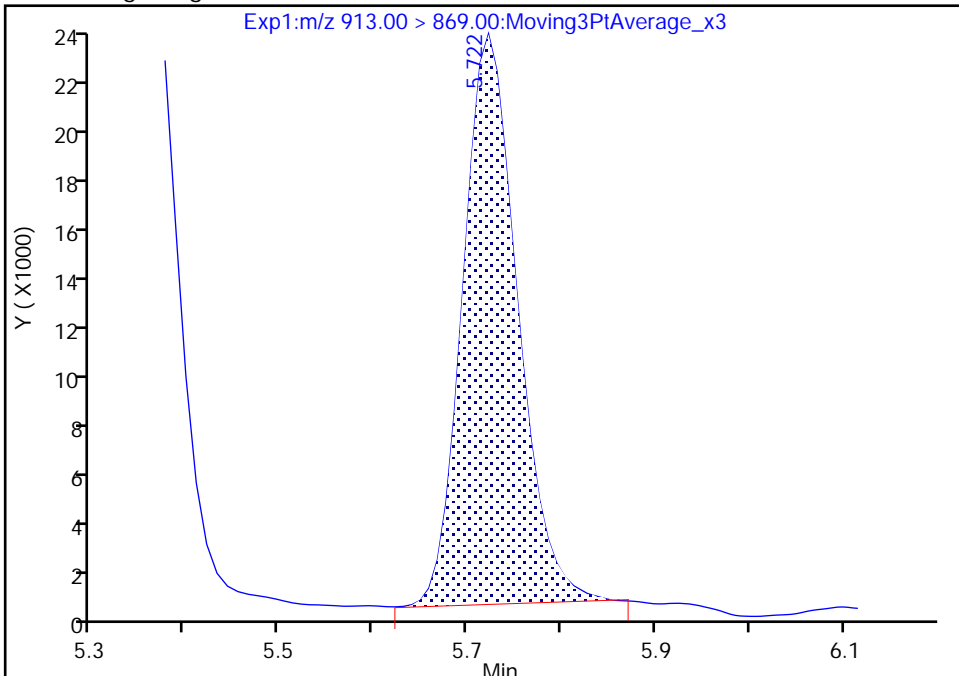
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

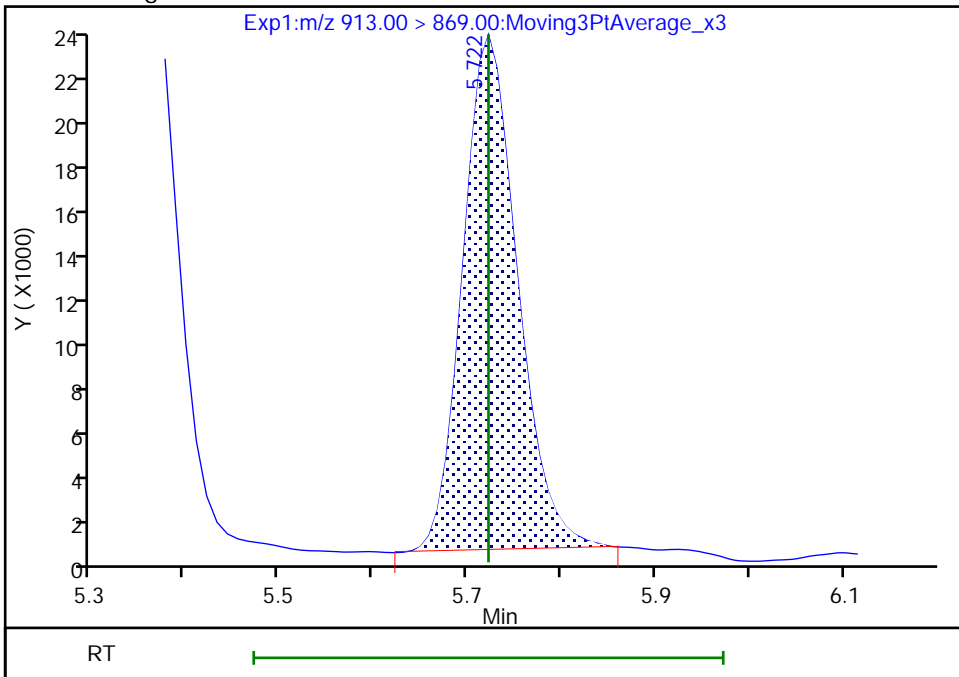
RT: 5.72
Area: 93511
Amount: 0.050228
Amount Units: ng/ml

Processing Integration Results



RT: 5.72
Area: 93105
Amount: 0.050010
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:36:55
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

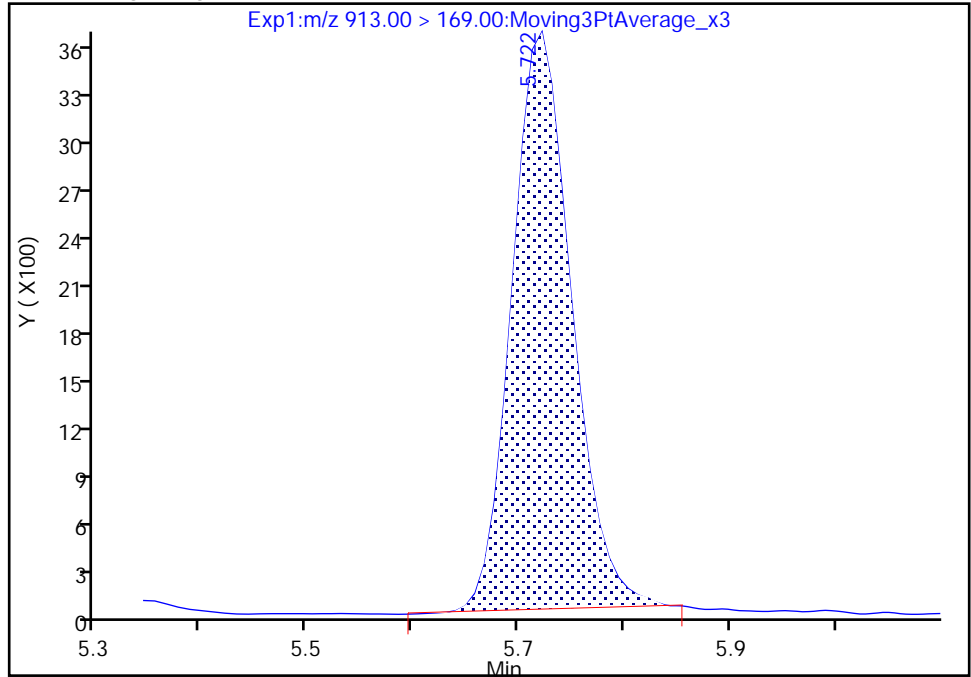
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A05.d
Injection Date: 08-Dec-2022 15:21:15 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

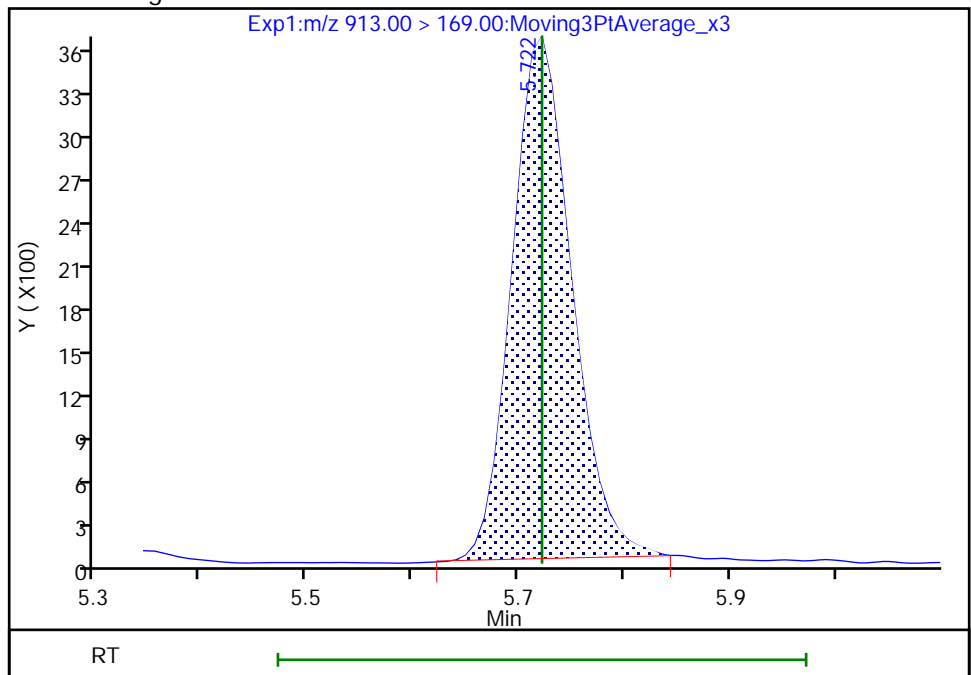
RT: 5.72
Area: 14335
Amount: 0.050228
Amount Units: ng/ml

Processing Integration Results



RT: 5.72
Area: 14294
Amount: 0.050010
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:37:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Lab Sample ID: CCV 200-186513/19 Calibration Date: 12/08/2022 17:15
 Instrument ID: LC812 Calib Start Date: 11/18/2022 14:29
 GC Column: C-18 ID: 4.60 (mm) Calib End Date: 11/18/2022 15:10
 Lab File ID: PA221208A19.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	1.031	0.9466		0.918	1.00	-8.2	
Perfluoropentanoic acid (PFPeA)	AveID	1.090	1.000		0.918	1.00	-8.2	
Perfluorobutanesulfonic acid (PFBS)	AveID	1.144	1.051		0.812	0.884	-8.1	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	3.081	3.001		0.910	0.934	-2.6	
Perfluorohexanoic acid (PFHxA)	AveID	1.090	0.9865		0.905	1.00	-9.5	
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.335	1.206		0.847	0.938	-9.7	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.056	1.008		0.955	1.00	-4.5	
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.129	1.050		0.847	0.910	-6.9	
Perfluoroheptanoic acid (PFHpA)	AveID	1.089	1.037		0.952	1.00	-4.8	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	5.507	5.145		0.880	0.942	-6.6	
6:2 FTS	L1ID		2.141		0.949	0.948	0.1	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.397	1.360		0.927	0.952	-2.6	
Perfluorooctanoic acid (PFOA)	AveID	1.069	1.057		0.989	1.00	-1.1	
Perfluorooctanesulfonic acid (PFOS)	AveID	1.216	1.089		0.831	0.928	-10.4	
Perfluorononanoic acid (PFNA)	AveID	1.037	0.9237		0.890	1.00	-11.0	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	AveID	2.791	2.562		0.855	0.932	-8.2	
Perfluorononanesulfonic acid (PFNS)	AveID	0.9179	0.8638		0.903	0.960	-5.9	
8:2 FTS	AveID	1.617	1.496		0.886	0.958	-7.5	
Perfluorodecanoic acid (PFDA)	AveID	1.084	1.026		0.946	1.00	-5.4	
Perfluorooctanesulfonamide (FOSA)	AveID	1.045	1.005		0.962	1.00	-3.8	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	L1ID		0.8431		0.968	1.00	-3.2	30.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.7248	0.6875		0.914	0.964	-5.1	
Perfluoroundecanoic acid (PFUnA)	AveID	1.008	0.9622		0.955	1.00	-4.5	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.8953	0.8580		0.958	1.00	-4.2	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF)	AveID	4.303	4.030		0.882	0.942	-6.3	
Perfluorododecanoic acid (PFDoA)	AveID	1.059	1.003		0.947	1.00	-5.3	
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	AveID	0.9717	0.9638		0.956	0.964	-0.8	
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.3067	0.3024		0.955	0.968	-1.4	

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Lab Sample ID: CCV 200-186513/19 Calibration Date: 12/08/2022 17:15
 Instrument ID: LC812 Calib Start Date: 11/18/2022 14:29
 GC Column: C-18 ID: 4.60 (mm) Calib End Date: 11/18/2022 15:10
 Lab File ID: PA221208A19.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorotridecanoic acid (PFTriA)	AveID	1.013	0.9916		0.979	1.00	-2.1	
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1369	0.1234		0.901	1.00	-9.9	
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		0.8930		0.954	1.00	-4.6	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.8236	0.7958		0.966	1.00	-3.4	
13C4 PFBA	Ave	1.122	1.095		1.22	1.25	-2.4	
13C5 PFPeA	Ave	0.8543	0.8457		1.24	1.25	-1.0	
13C3 PFBS	Ave	0.9281	0.9842		1.23	1.16	6.0	
M2-4:2 FTS	Ave	0.0820	0.0814		1.16	1.17	-0.7	
13C2 PFHxA	Ave	0.8951	0.9294		1.30	1.25	3.8	
13C3 HFPO-DA	Ave	0.1580	0.1605		1.27	1.25	1.6	
18O2 PFHxS	Ave	0.6761	0.7273		1.27	1.18	7.6	50.0
13C4 PFHpA	Ave	0.9206	0.9063		1.23	1.25	-1.5	50.0
M2-6:2 FTS	Ave	0.1134	0.1200		1.26	1.19	5.8	
13C4 PFOA	Ave	1.035	1.051		1.27	1.25	1.6	50.0
13C4 PFOS	Ave	0.4588	0.4911		1.28	1.20	7.0	50.0
13C5 PFNA	Ave	1.006	1.069		1.33	1.25	6.3	50.0
13C2 PFDA	Ave	1.025	1.132		1.38	1.25	10.4	
M2-8:2 FTS	Ave	0.1387	0.1563		1.35	1.20	12.7	
13C8 FOSA	Ave	0.8403	0.9063		1.35	1.25	7.9	
d3-NMeFOSAA	Ave	0.2087	0.2224		1.33	1.25	6.6	
13C2 PFUnA	Ave	0.9385	1.041		1.39	1.25	10.9	
d5-NEtFOSAA	Ave	0.2055	0.2269		1.38	1.25	10.4	
13C2 PFDoA	Ave	0.9562	0.9943		1.30	1.25	4.0	
13C2 PFTeDA	Ave	0.8270	0.9929		1.50	1.25	20.1	
13C2 PFHxDA	Ave	1.022	1.182		1.45	1.25	15.6	

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
 Lims ID: CCV L4
 Client ID:
 Sample Type: CCV
 Inject. Date: 08-Dec-2022 17:15:48 ALS Bottle#: 16 Worklist Smp#: 19
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: CCV L4
 Misc. Info.: 200-0053607-019 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 13-Dec-2022 09:03:28 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1634

First Level Reviewer: nampitakw Date: 09-Dec-2022 16:32:20

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA	217.00 > 172.00	2.085	2.076	0.009	0.608	2766679	1.22	97.6	11111	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.076	0.009	1.000	2095094	0.9179		91.8	200	M
D 3 13C5 PFPeA	267.90 > 223.00	2.387	2.387	0.0	0.696	2137448	1.24	99.0	3759	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.387	2.387	0.0	1.000	1710561	0.9179		91.8	46.7	M
D 47 13C3 PFBS	301.90 > 80.00	2.400	2.400	0.0	0.700	2313270	1.23	106	423938	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.413	2.400	0.013	1.006	1849401	0.8123	Target=2.09	91.9	2530	
298.90 > 99.00	2.413	2.400	0.013	1.006	877897		2.11(1.04-3.13)		681	M
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.689	2.689	0.0	1.000	461515	0.9099		97.4	2394	M
D 60 M2-4:2 FTS	329.00 > 81.00	2.689	2.689	0.0	0.784	192220	1.16	99.3	174	M
D 7 13C2 PFHxA	315.00 > 270.00	2.725	2.725	0.0	0.795	2349080	1.30	104	3613	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.725	2.725	0.0	1.000	1853860	0.9054	Target=14.25	90.5	419	
313.00 > 119.00	2.725	2.725	0.0	1.000	135856		13.65(7.12-21.37)		213	M
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.738	2.737	0.001	0.890	1662914	0.8467	Target=3.04	90.3	2746	
349.00 > 99.00	2.725	2.737	-0.012	0.886	580978		2.86(1.52-4.56)		1142	
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.835	2.835	0.0	1.000	327093	0.9548		95.5	1598	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.835	2.835	0.0	0.826	405543	1.27		102	2812	
D 11 18O2 PFHxS										
403.00 > 84.00	3.077	3.088	-0.011	0.897	1738982	1.27		108	3185	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.077	3.088	-0.011	1.000	1405445	0.8468	Target=3.66	93.1	1889	M
399.00 > 99.00	3.077	3.088	-0.011	1.000	410461		3.42(1.83-5.49)		540	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.088	3.099	-0.011	0.900	2290647	1.23		98.5	2906	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.088	3.099	-0.011	1.000	1900168	0.9524	Target=3.97	95.2	404	M
363.00 > 169.00	3.088	3.099	-0.011	1.000	504259		3.77(1.98-5.95)		1062	M
77 DONA										
377.00 > 251.00	3.121	3.132	-0.011	0.833	4812717	0.8801	Target=3.16	93.4	3458	M
377.00 > 85.00	3.121	3.132	-0.011	0.833	1531438		3.14(1.58-4.73)		1744	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.422	3.439	-0.017	0.997	288097	1.26		106	824	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.422	3.439	-0.017	1.000	492497	0.9491		100	1437	M
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.422	3.439	-0.017	0.914	1285801	0.9271	Target=5.14	97.4	2287	M
449.00 > 99.00	3.422	3.439	-0.017	0.914	259145		4.96(2.57-7.72)		1115	M
D 14 13C4 PFOA										
417.00 > 372.00	3.430	3.448	-0.018	1.000	2656847	1.27		102	3711	
* 62 13C2 PFOA										
415.00 > 370.00	3.430	3.448	-0.018		2527398	1.25			3623	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.439	3.448	-0.009	1.003	2247275	0.9890	Target=2.79	98.9	165	M
413.00 > 169.00	3.430	3.448	-0.018	1.000	771321		2.91(1.40-4.19)		848	M
D 18 13C4 PFOS										
503.00 > 80.00	3.745	3.764	-0.019	1.092	1186547	1.28		107	2470	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.745	3.764	-0.019	1.000	1003639	0.8311	Target=5.11	89.6	878	M
499.00 > 99.00	3.745	3.764	-0.019	1.000	220951		4.54(2.55-7.66)		769	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.764	3.783	-0.019	1.000	1996304	0.8905	Target=8.55	89.0	359	
463.00 > 169.00	3.764	3.783	-0.019	1.000	238116		8.38(4.28-12.83)		1973	
D 19 13C5 PFNA										
468.00 > 423.00	3.764	3.783	-0.019	1.097	2701446	1.33		106	5845	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.916	3.928	-0.012	1.046	2370558	0.8554		91.8	3894	M
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.042	4.050	-0.008	1.079	823400	0.9034	Target=2.53	94.1	2269	M
549.00 > 99.00	4.042	4.050	-0.008	1.079	334248		2.46(1.27-3.80)		1247	
D 23 13C2 PFDA										
515.00 > 470.00	4.061	4.081	-0.020	1.184	2860542	1.38		110	6585	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.071	4.081	-0.010	1.003	2348165	0.9462	Target=10.26	94.6	588	
513.00 > 169.00	4.061	4.081	-0.020	1.000	235136		9.99(5.13-15.38)		560	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.071	4.093	-0.022	1.187	378423	1.35		113	1195	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.071	4.093	-0.022	1.000	452957	0.8864		92.5	1665	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.127	4.150	-0.023	1.000	1841250	0.9618		96.2	2862	M
D 21 13C8 FOSA										
506.00 > 78.00	4.127	4.150	-0.023	1.203	2290580	1.35		108	2752	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.207	4.228	-0.021	1.226	562176	1.33		107	663	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.218	4.228	-0.010	1.002	379157	0.9684		96.8	485	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.308	4.331	-0.023	1.150	658052	0.9144	Target=2.51	94.9	2004	M
599.00 > 99.00	4.308	4.331	-0.023	1.150	269554		2.44(1.25-3.76)		1995	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.342	4.353	-0.011	1.266	2630360	1.39		111	6067	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.342	4.353	-0.011	1.000	2024674	0.9547	Target=9.88	95.5	765	
563.00 > 169.00	4.342	4.353	-0.011	1.000	187441		10.80(4.94-14.82)		1479	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.353	4.365	-0.012	1.000	393550	0.9584		95.8	770	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.353	4.365	-0.012	1.269	573357	1.38		110	1450	
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.443	4.454	-0.011	1.186	3769034	0.8822		93.7	6302	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.580	4.591	-0.011	1.000	2016605	0.9468	Target=7.77	94.7	158	M
613.00 > 169.00	4.580	4.591	-0.011	1.000	266189		7.58(3.89-11.66)		1310	
D 36 13C2 PFDaA										
615.00 > 570.00	4.580	4.591	-0.011	1.335	2513047	1.30		104	5024	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.601	4.612	-0.011	1.130	293621	0.9562		99.2	1526	
75 Perfluorododecanesulfonic acid (
699.00 > 80.00	4.758	4.776	-0.018	1.270	290675	0.9547	Target=0.50	98.6	2062	
699.00 > 99.00	4.758	4.776	-0.018	1.270	544238		0.53(0.25-0.76)		4200	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.794	4.804	-0.010	1.047	1993476	0.9786	Target=5.21	97.9	137	M
663.00 > 169.00	4.794	4.804	-0.010	1.047	360928		5.52(2.60-7.81)		912	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	4.992	5.012	-0.020	1.000	247747	0.9014	Target=0.89	90.1	1447	M
713.00 > 219.00	4.992	5.012	-0.020	1.000	274234		0.90(0.44-1.33)		1169	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	4.992	5.012	-0.020	1.455	2509420	1.50		120	6065	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.366	5.367	-0.001	1.002	2134917	0.9541	Target=5.65	95.4	154	
813.00 > 169.00	5.366	5.367	-0.001	1.002	350004		6.10(2.82-8.47)		1984	
D 44 13C2 PFHxDA										
815.00 > 770.00	5.355	5.367	-0.012	1.561	2988295	1.45		116	6383	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.722	5.722	0.0	1.068	1902440	0.9662	Target=6.24	96.6	163	M
913.00 > 169.00	5.722	5.722	0.0	1.068	282163		6.74(3.12-9.36)		909	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC4_00036

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromf\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d

Injection Date: 08-Dec-2022 17:15:48

Instrument ID: LC812

Lims ID: CCV L4

Client ID:

Operator ID: lc812tech

ALS Bottle#: 16

Worklist Smp#: 19

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

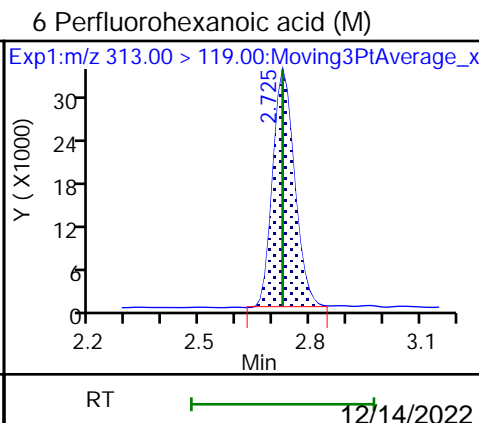
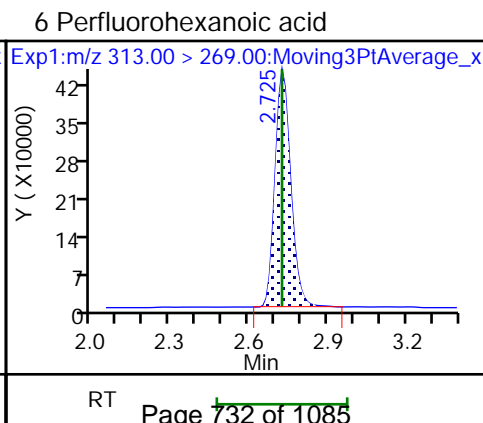
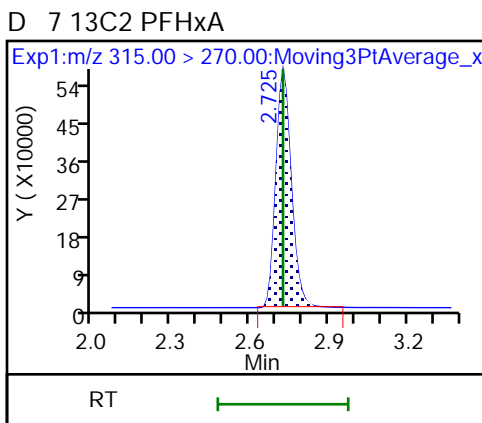
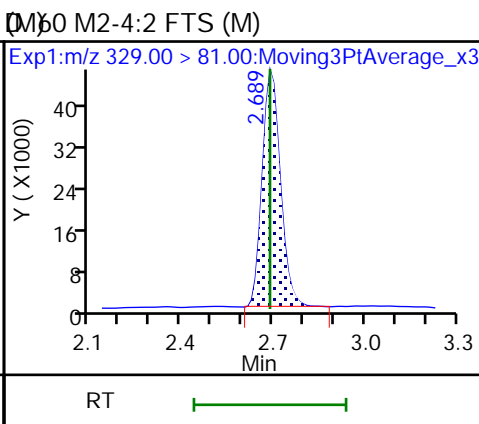
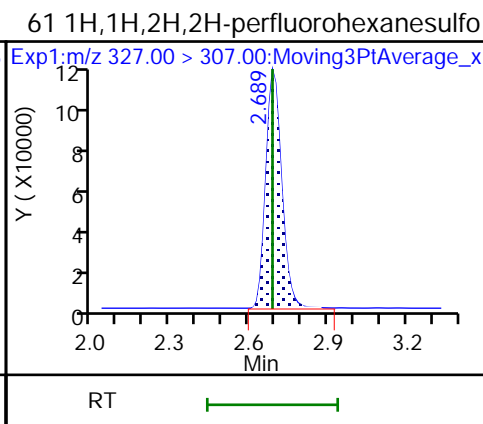
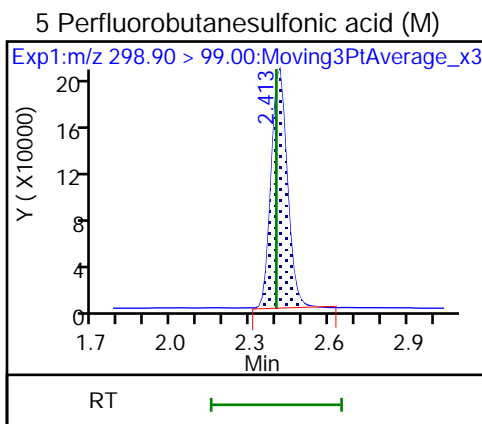
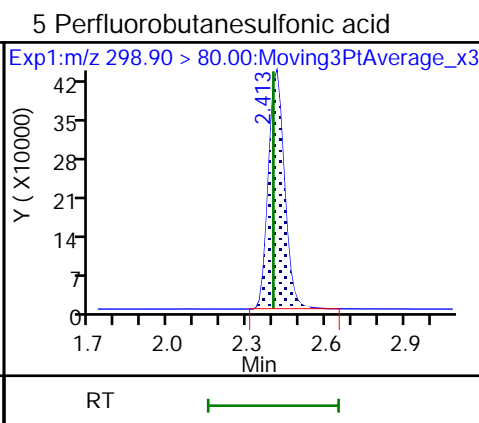
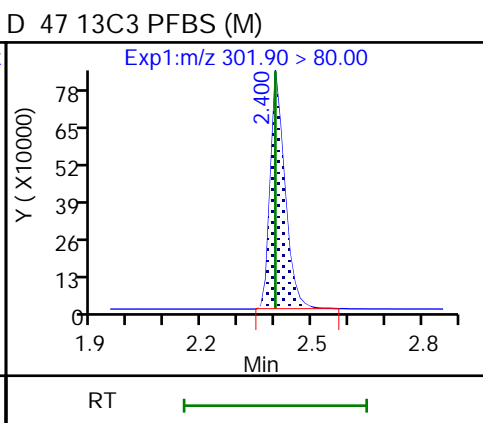
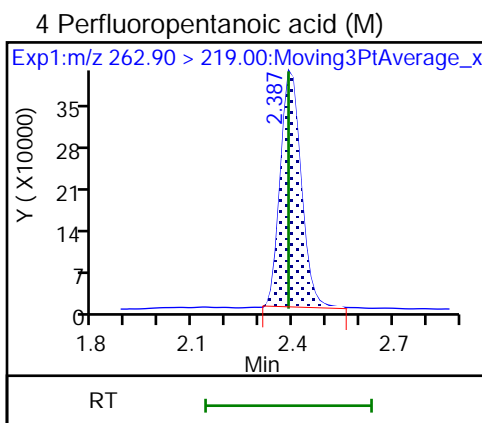
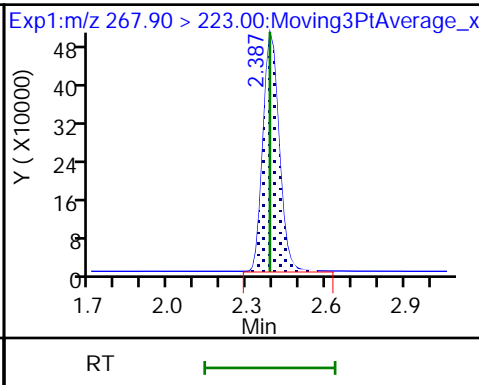
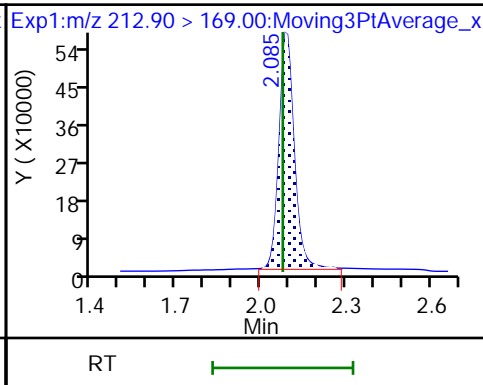
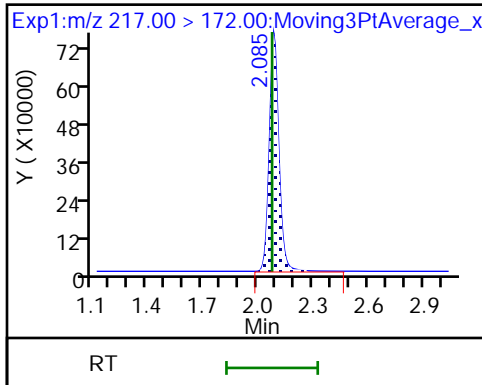
Method: PFC_LC812

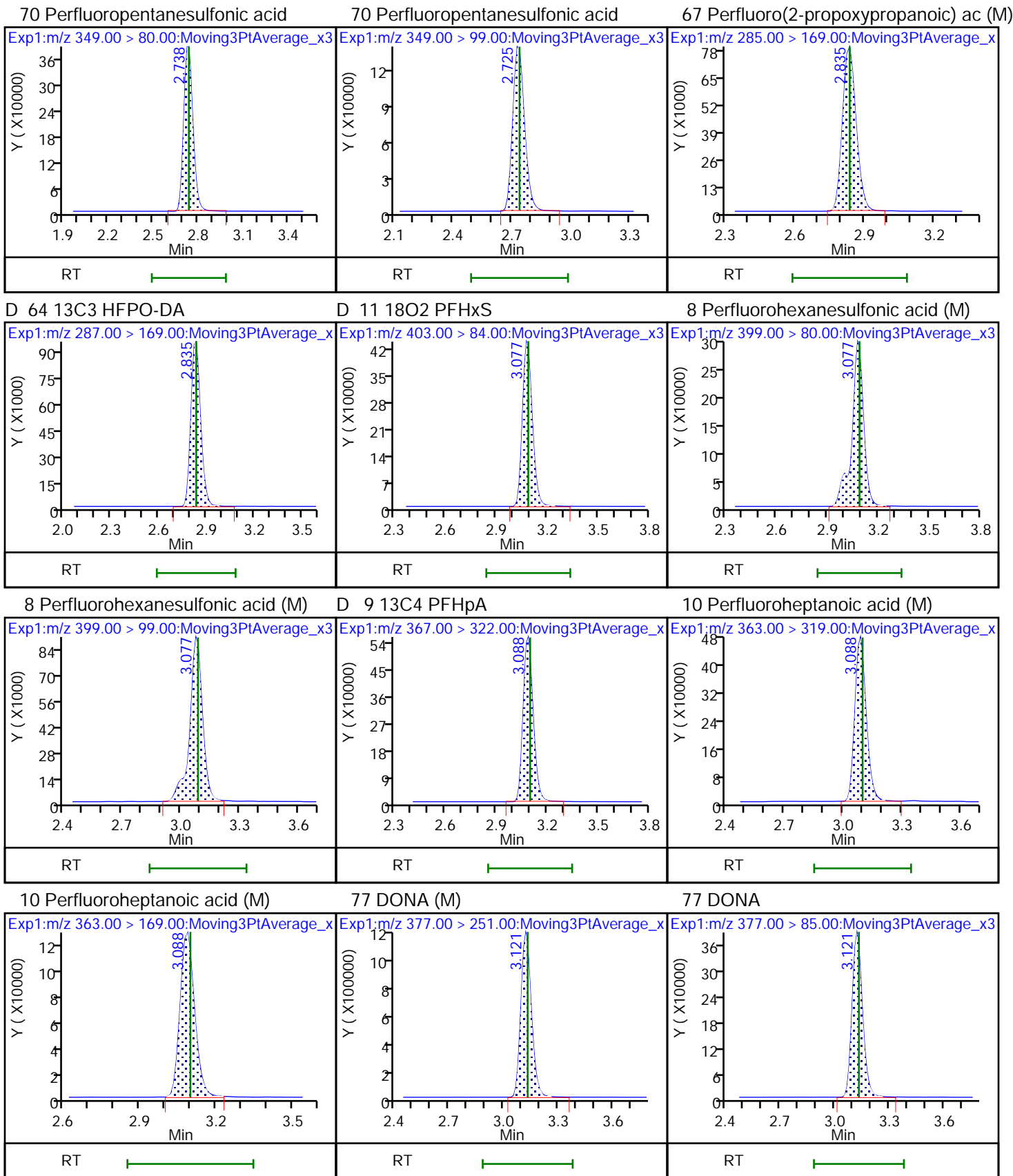
Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

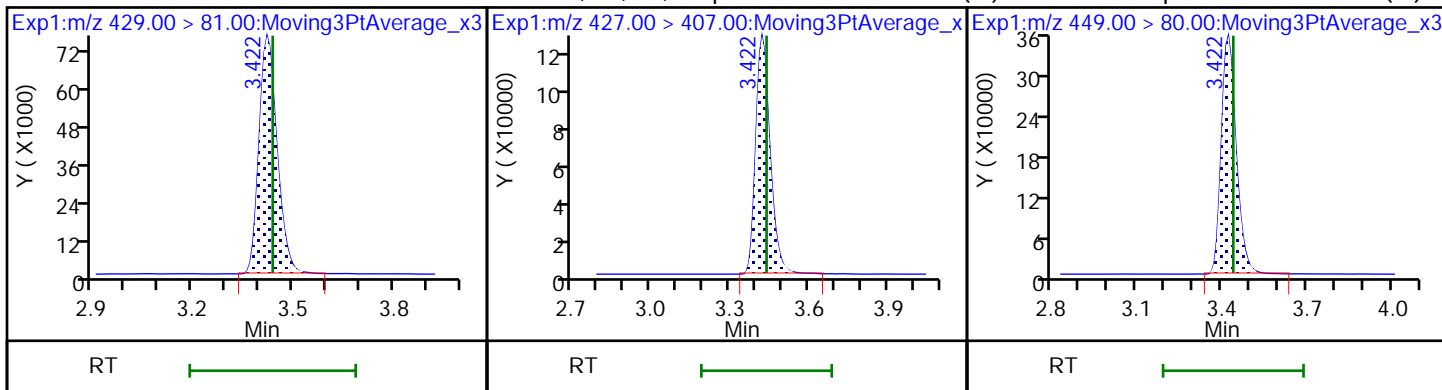
D 3 13C5 PFPeA





D 12 M2-6:2 FTS

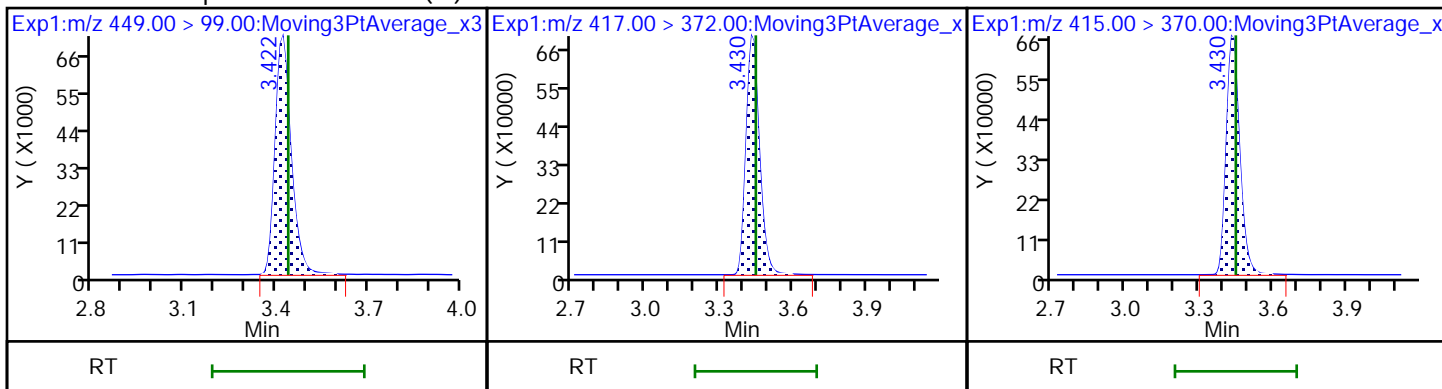
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 6 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

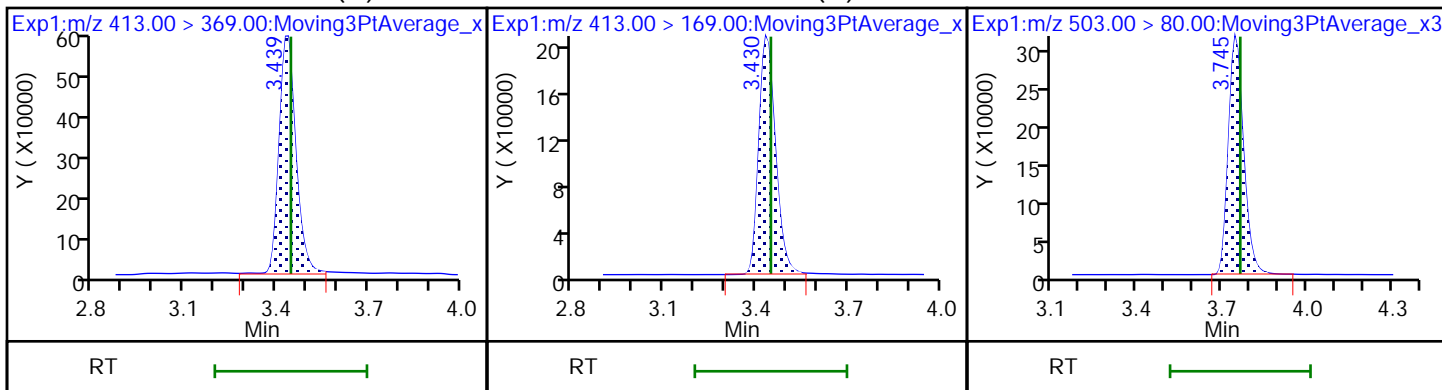
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

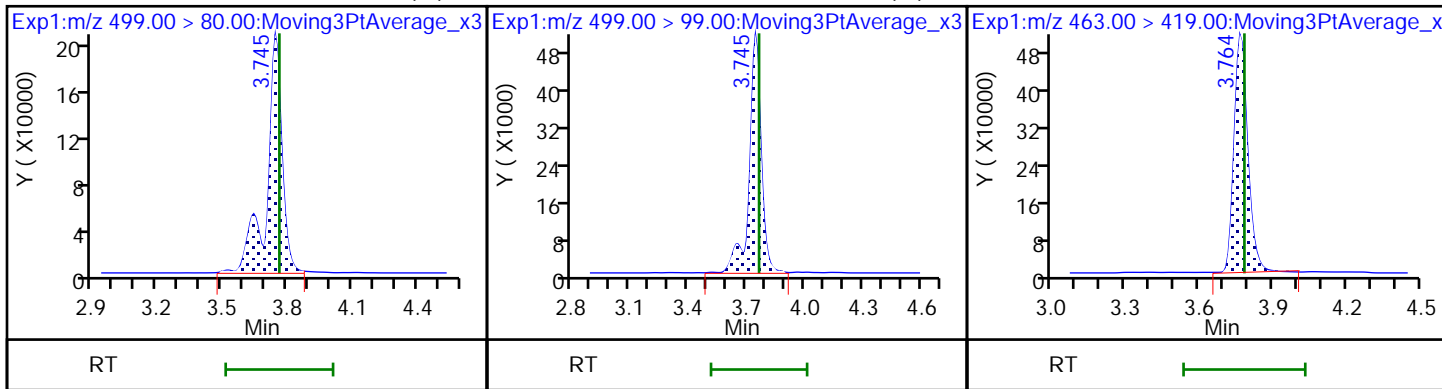
D 18 13C4 PFOS

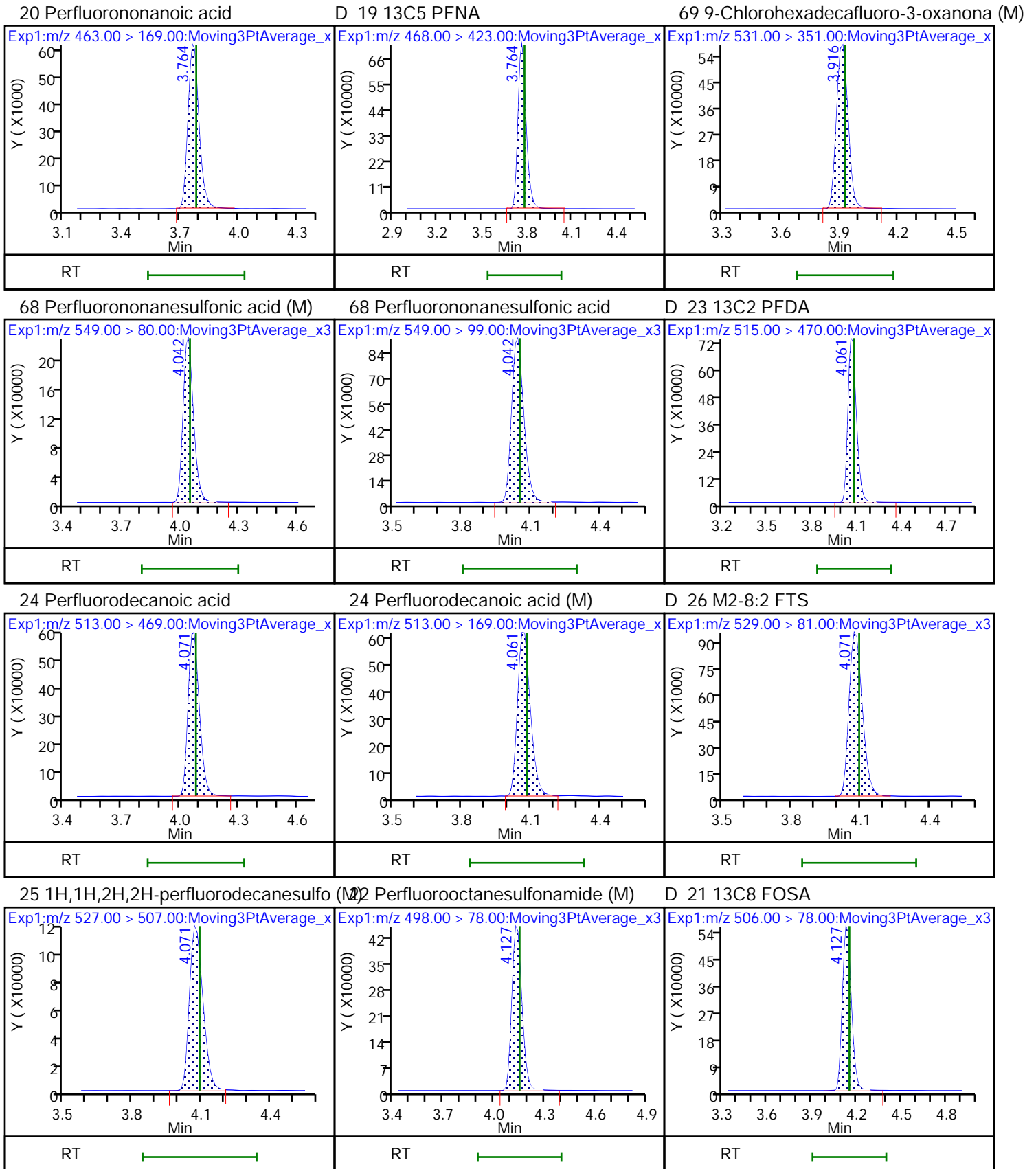


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

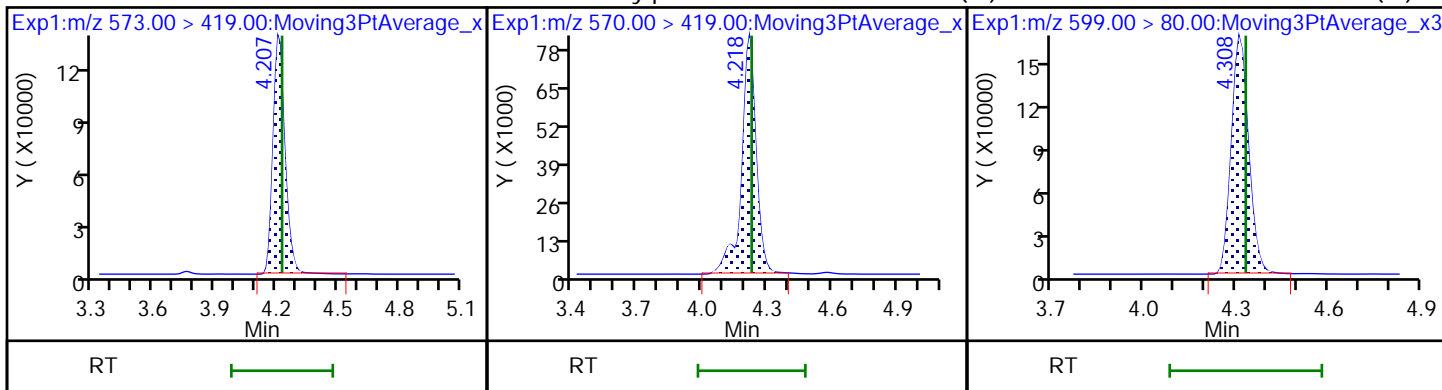
20 Perfluorononanoic acid





D 27 d3-NMeFOSAA

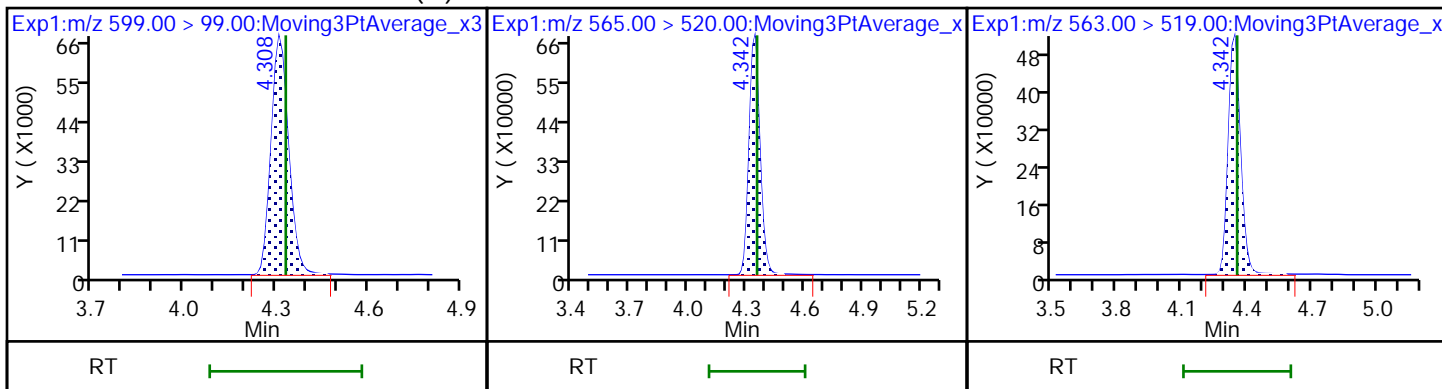
28 N-methylperfluorooctanesulfonami (M) 29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

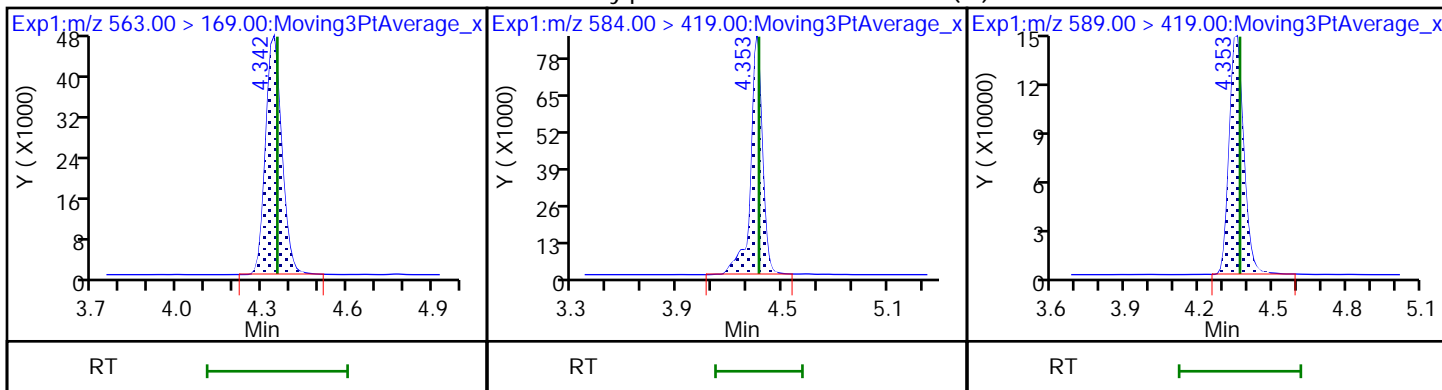
D 30 13C2 PFUoA

31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid

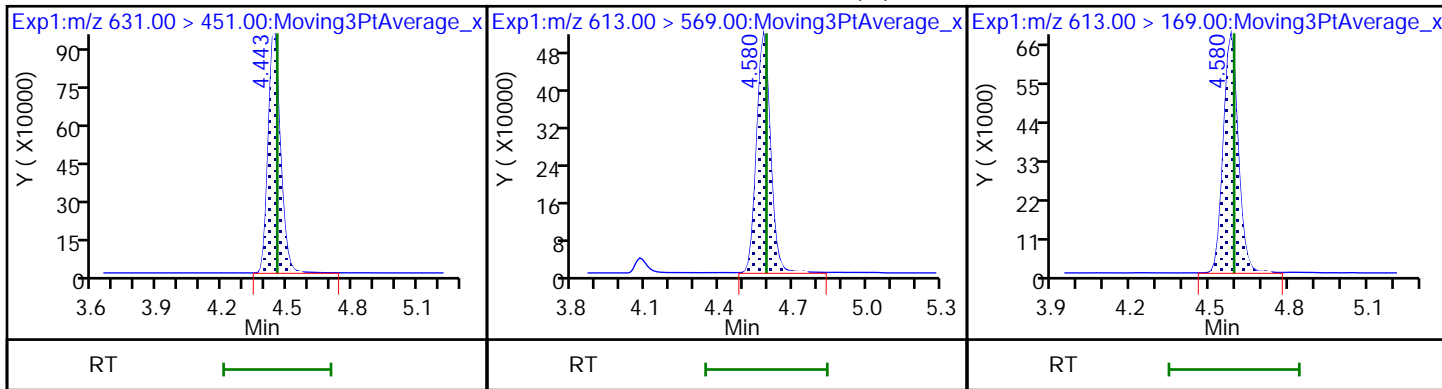
33 N-ethylperfluorooctanesulfonamid (N) 32 d5-NEtFOSAA



66 11-Chloroeicosafuoro-3-oxaundec

37 Perfluorododecanoic acid (M)

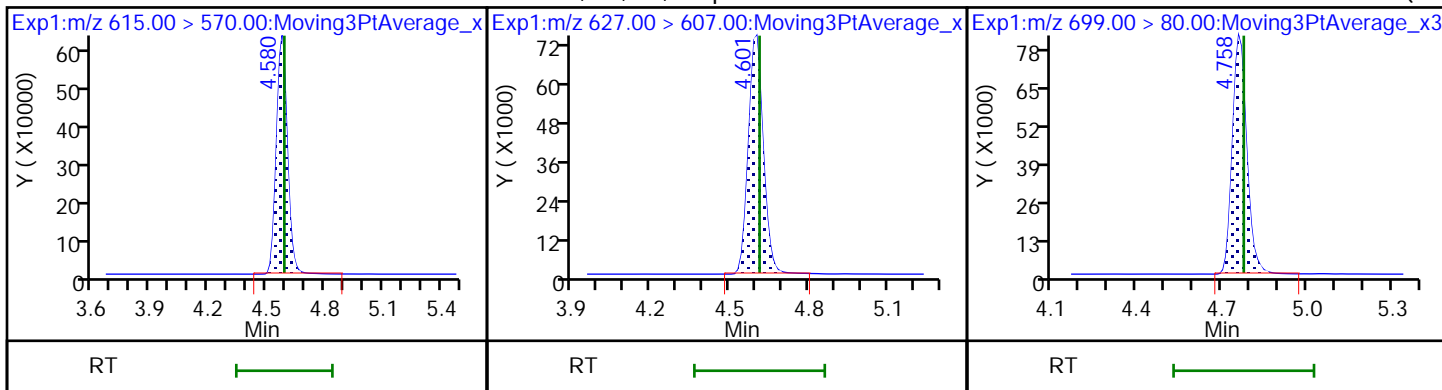
37 Perfluorododecanoic acid



D 36 13C2 PFDoA

74 1H,1H,2H,2H-perfluorododecanesul

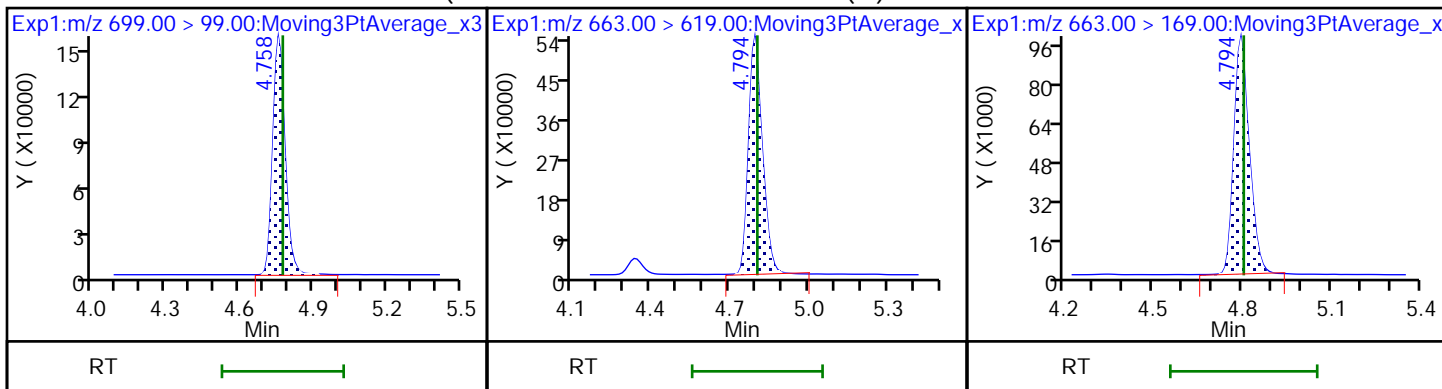
75 Perfluorododecanesulfonic acid (



75 Perfluorododecanesulfonic acid (

41 Perfluorotridecanoic acid (M)

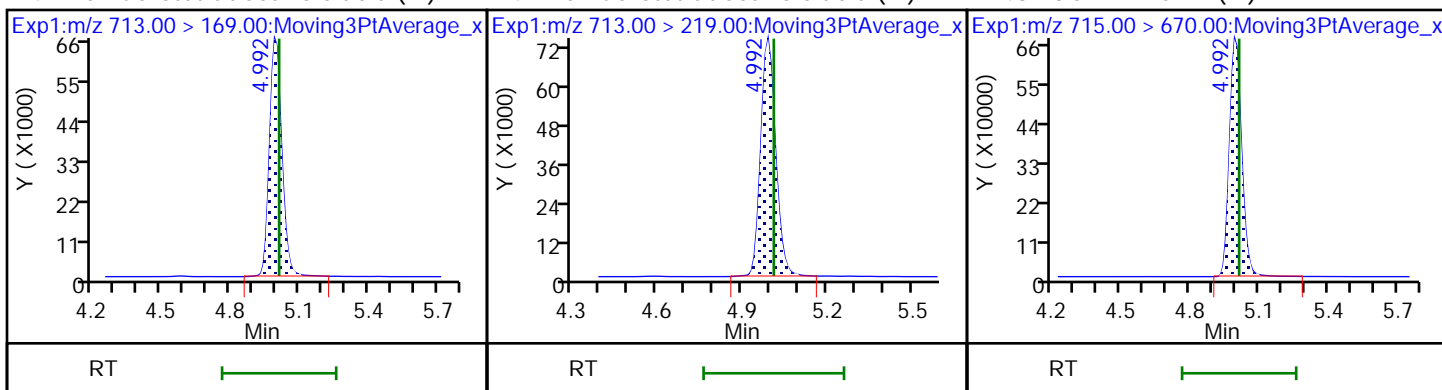
41 Perfluorotridecanoic acid



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

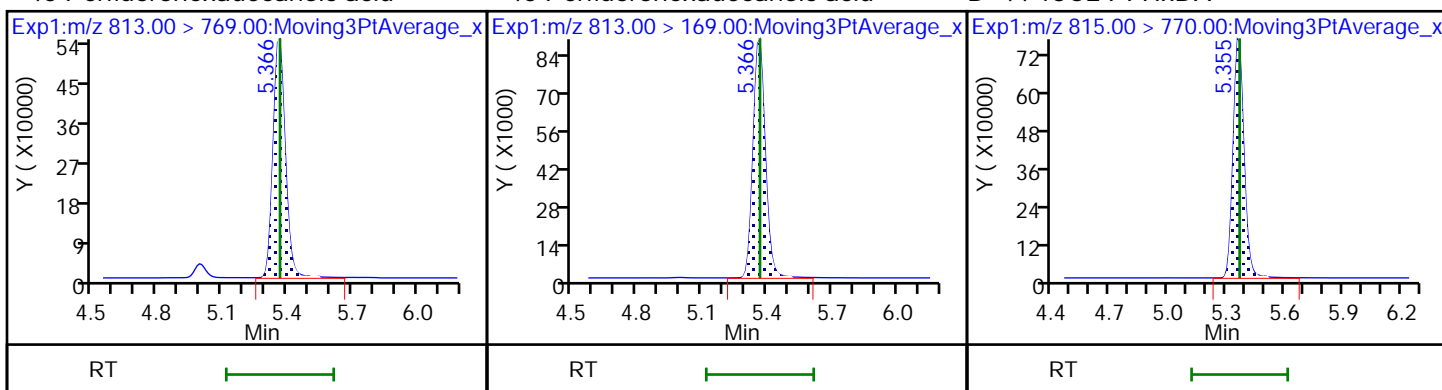
D 43 13C2 PFTeDA (M)



45 Perfluorohexadecanoic acid

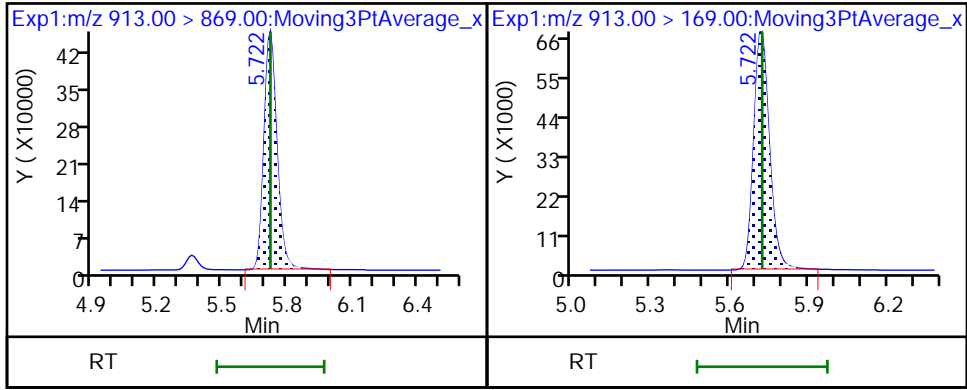
45 Perfluorohexadecanoic acid

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

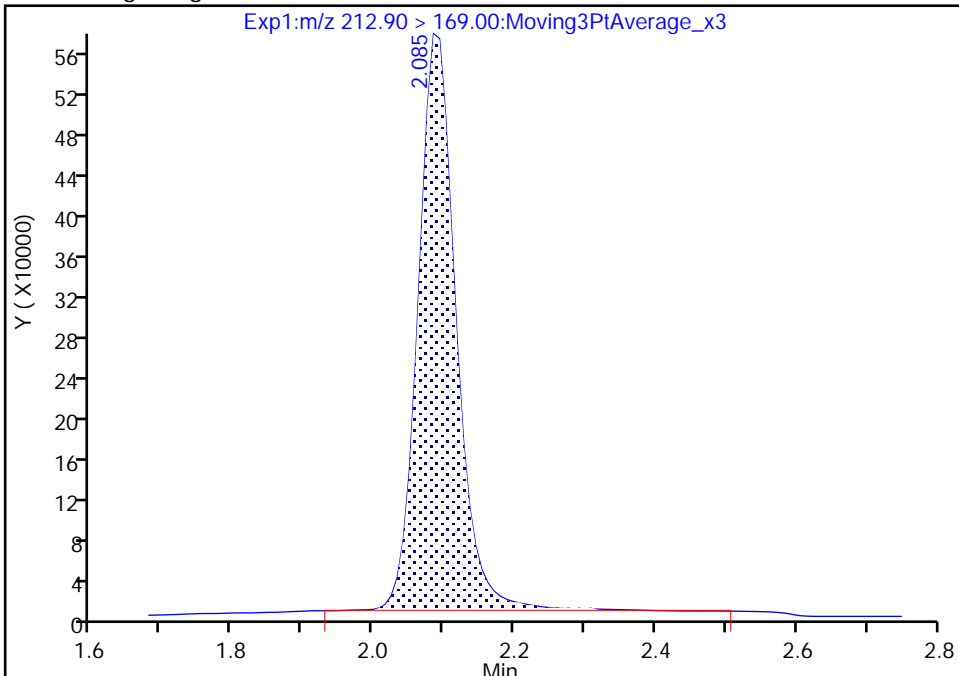
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

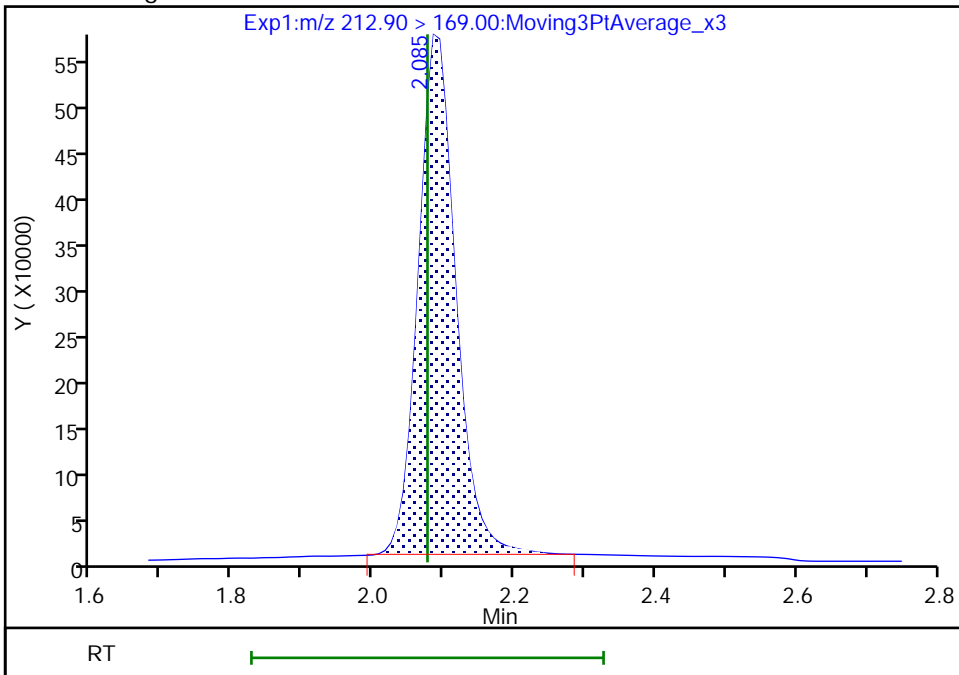
RT: 2.08
Area: 2136563
Amount: 0.936107
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 2095094
Amount: 0.917938
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 16:26:01
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

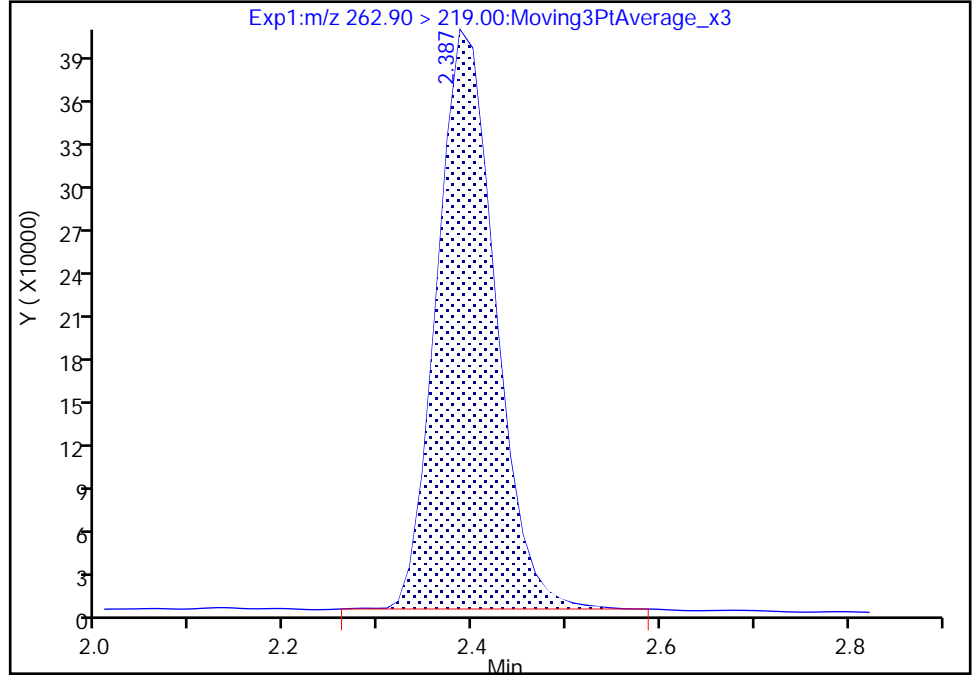
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

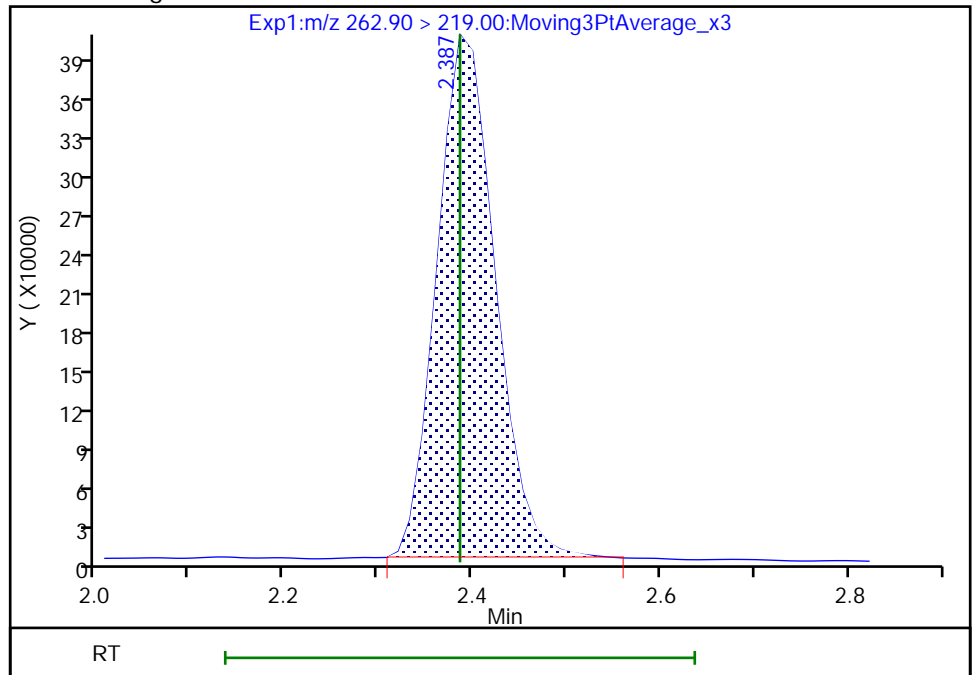
RT: 2.39
Area: 1717675
Amount: 0.921719
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 1710561
Amount: 0.917901
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 16:26:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

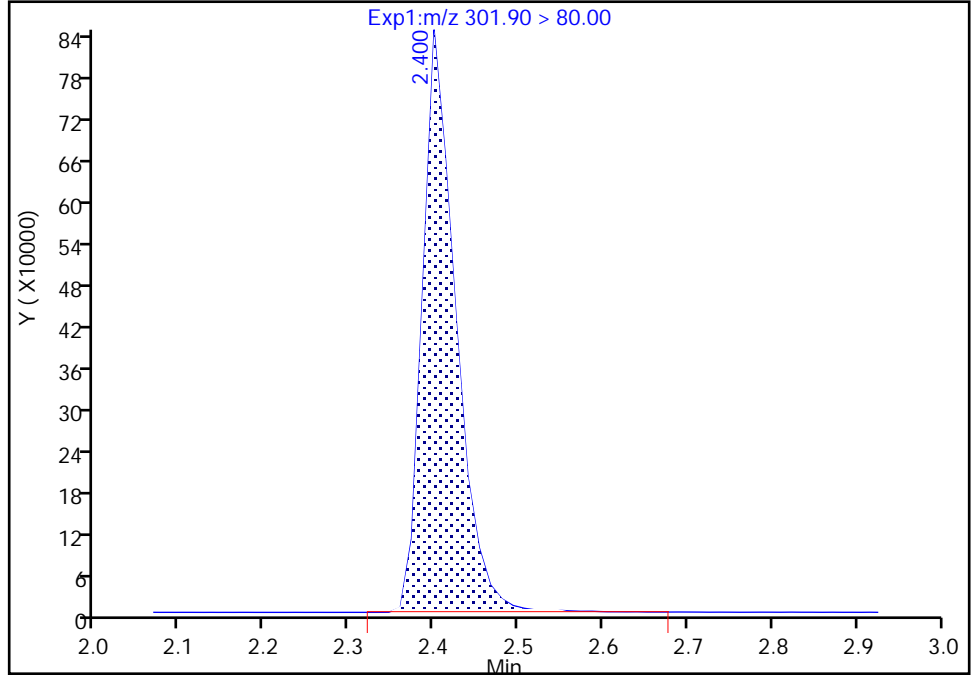
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 47 13C3 PFBS, CAS: STL02337
Signal: 1

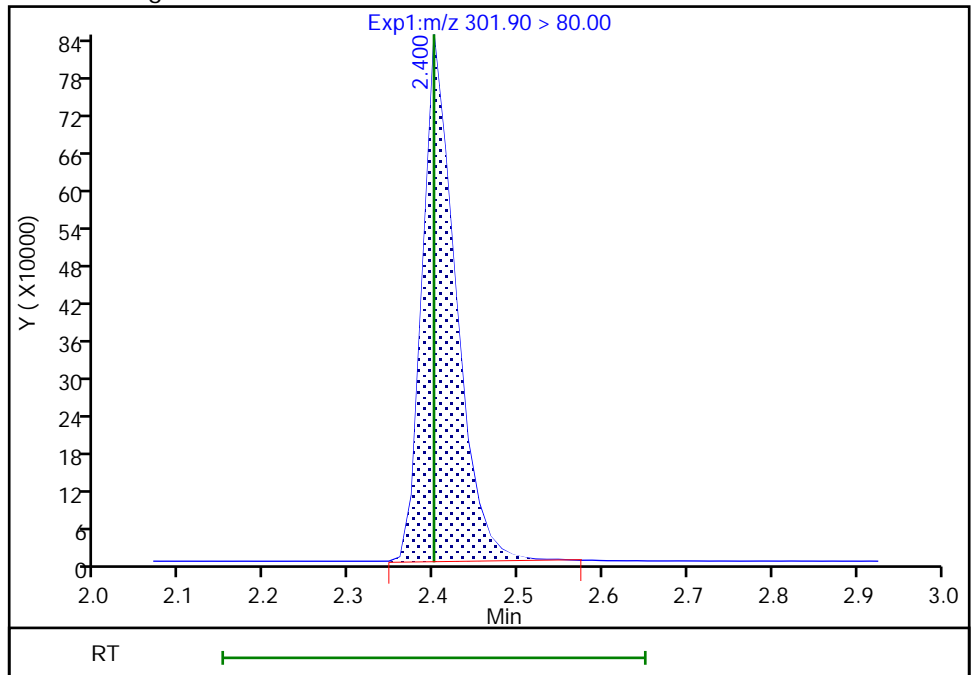
Processing Integration Results

RT: 2.40
Area: 2325644
Amount: 1.239273
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 2313270
Amount: 1.232679
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 16:25:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

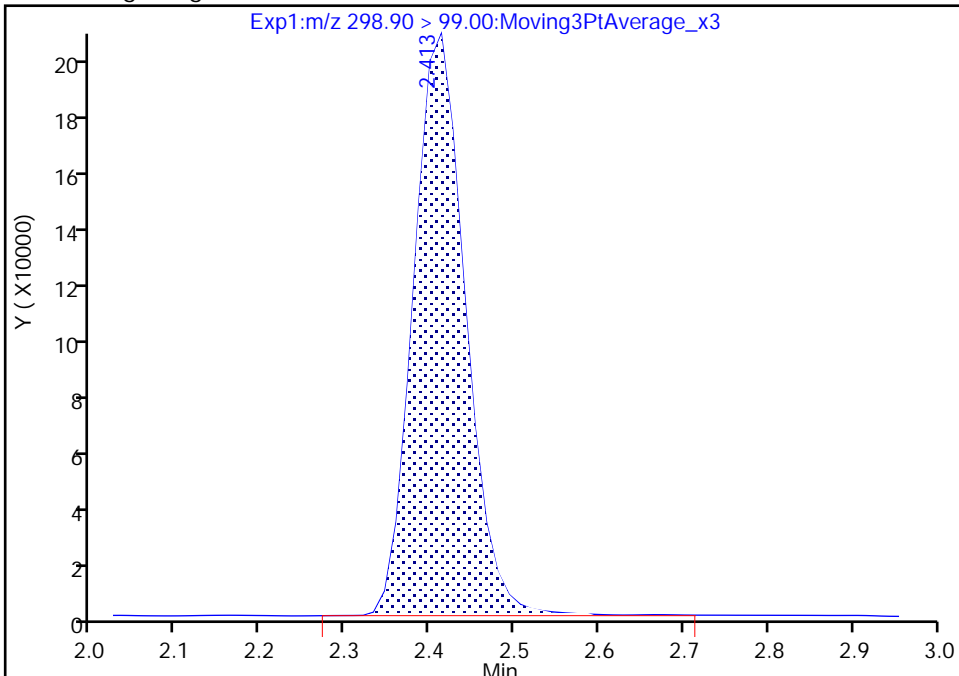
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

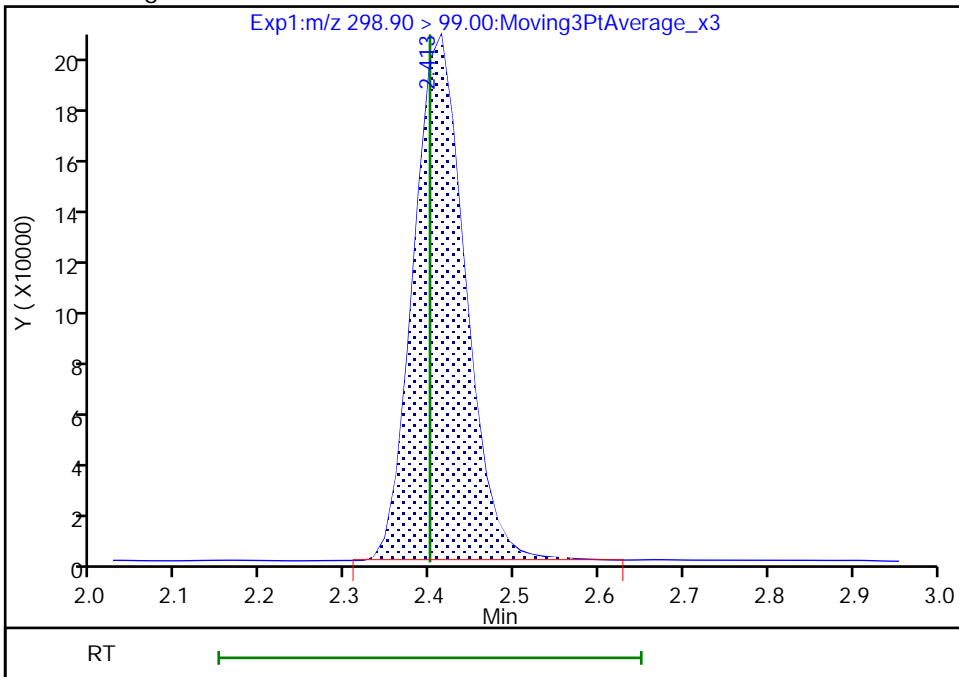
RT: 2.41
Area: 879626
Amount: 0.812344
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 877897
Amount: 0.812344
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 16:26:14
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

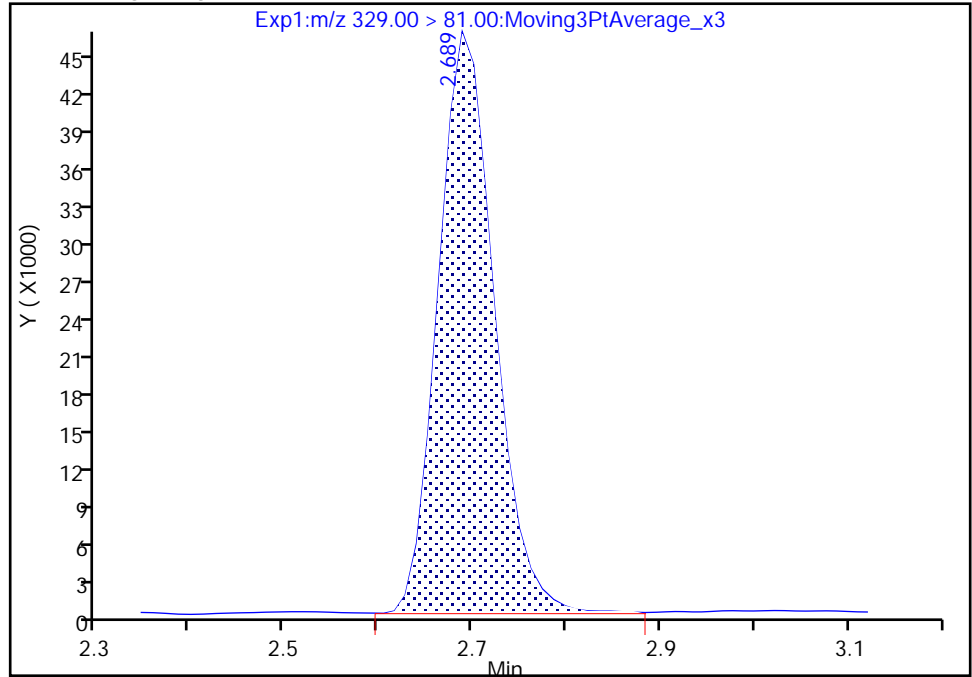
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 60 M2-4:2 FTS, CAS: STL02395
Signal: 1

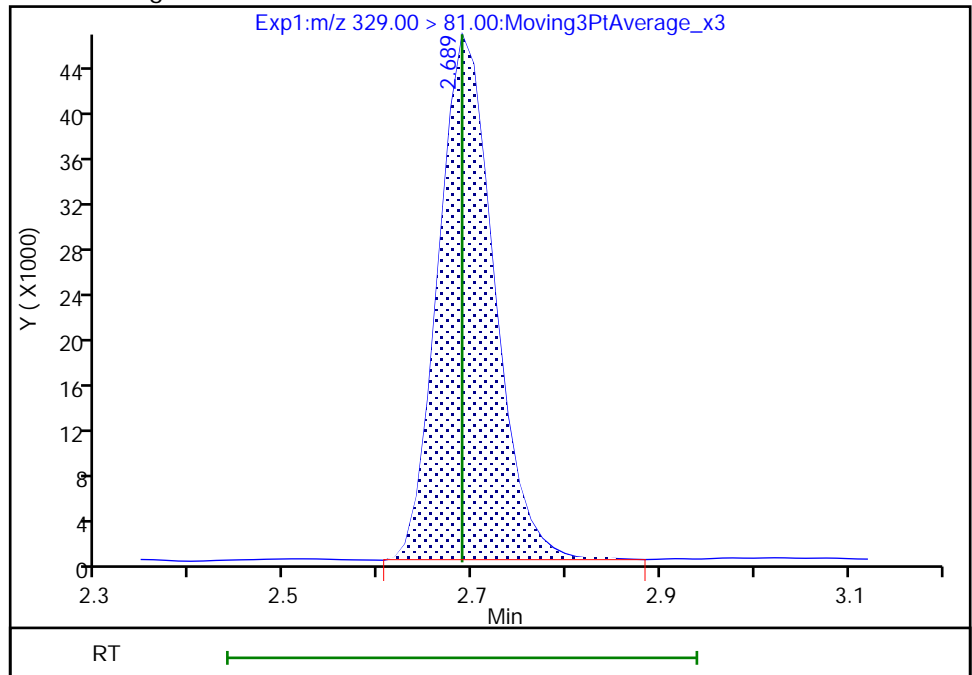
RT: 2.69
Area: 192483
Amount: 1.160780
Amount Units: ng/ml

Processing Integration Results



RT: 2.69
Area: 192220
Amount: 1.159194
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 16:25:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

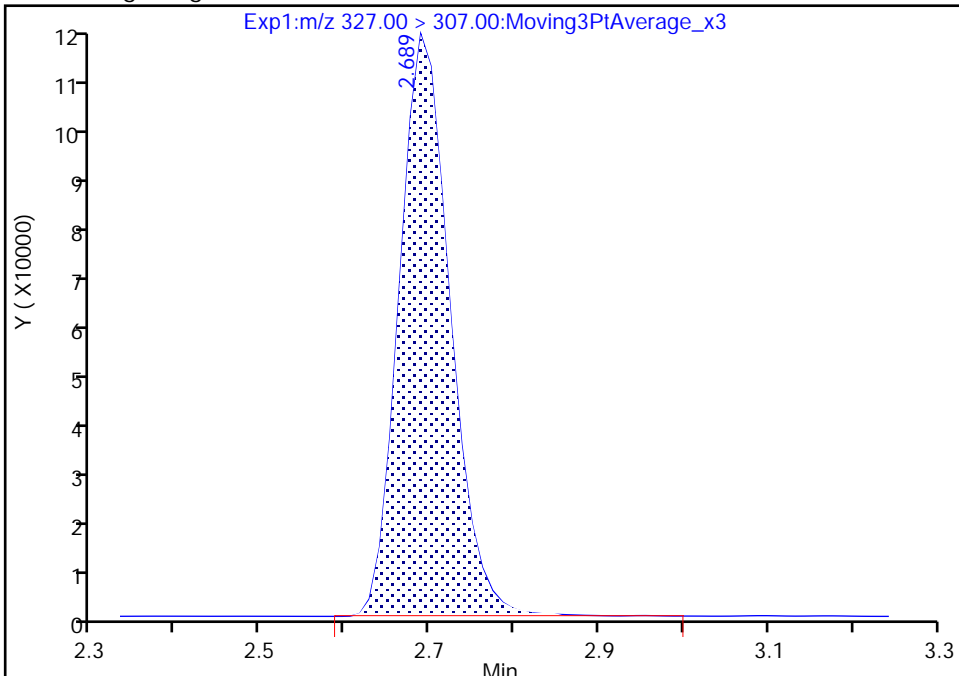
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

61 1H,1H,2H,2H-perfluorohexanesulfo, CAS: 757124-72-4

Signal: 1

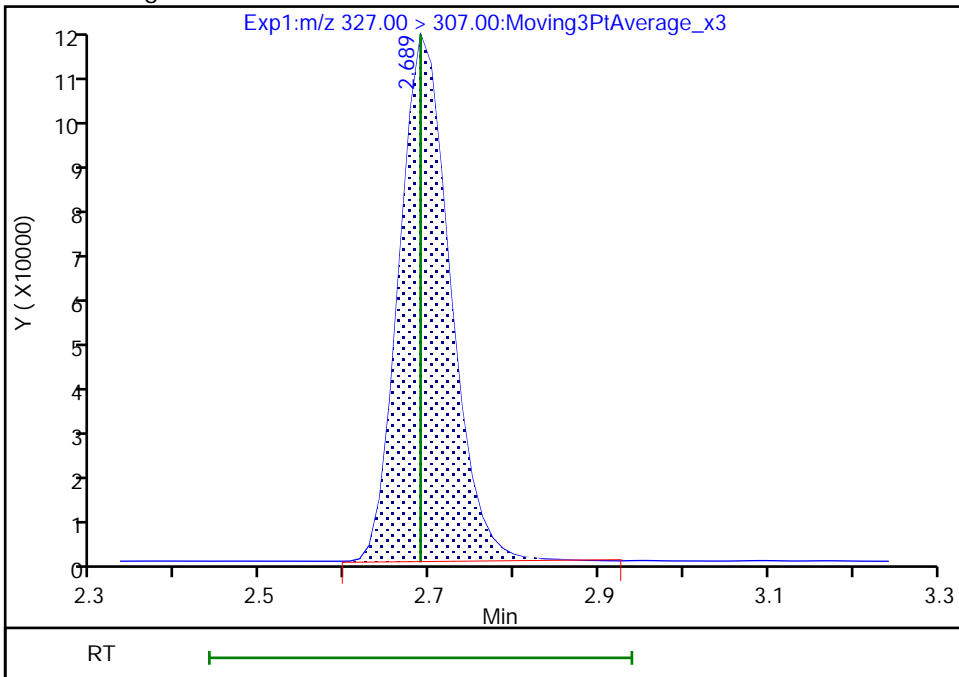
RT: 2.69
Area: 462120
Amount: 0.911068
Amount Units: ng/ml

Processing Integration Results



RT: 2.69
Area: 461515
Amount: 0.909875
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 16:26:23
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

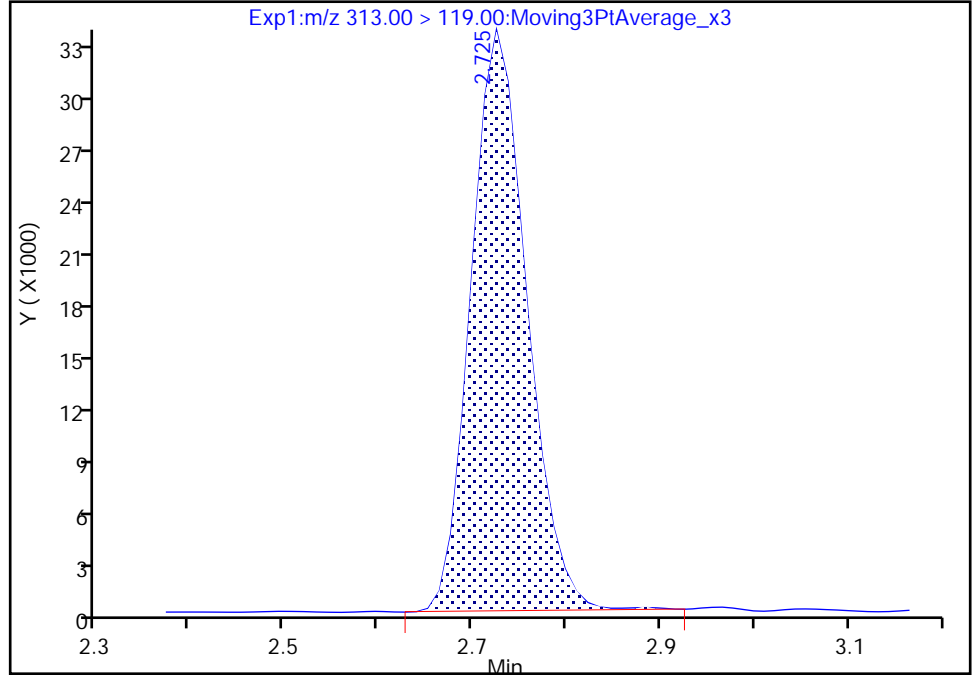
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

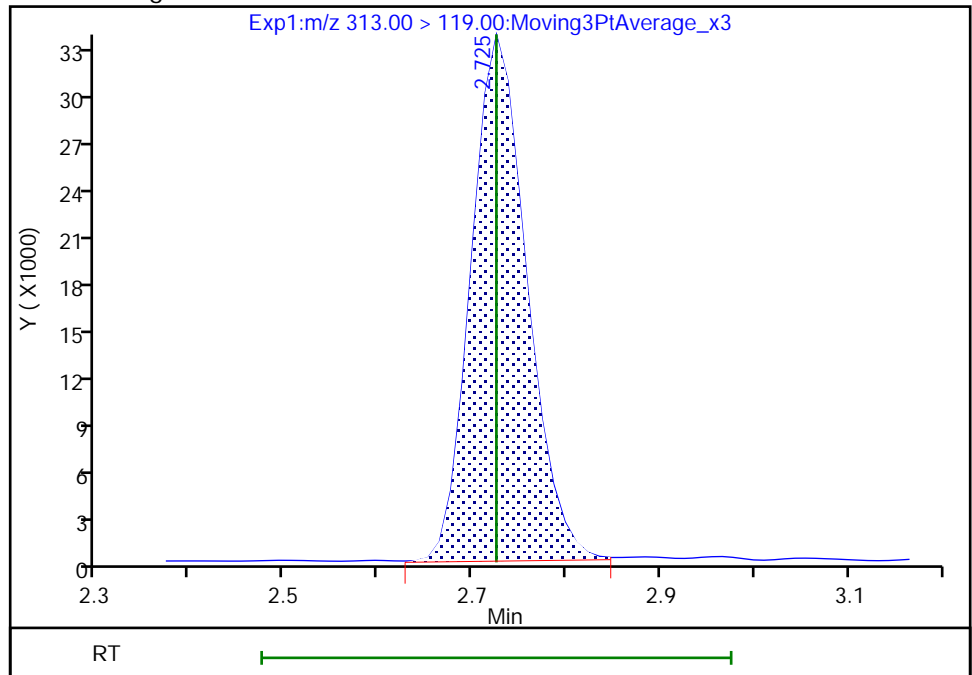
RT: 2.73
Area: 136241
Amount: 0.905353
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 135856
Amount: 0.905353
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 16:26:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

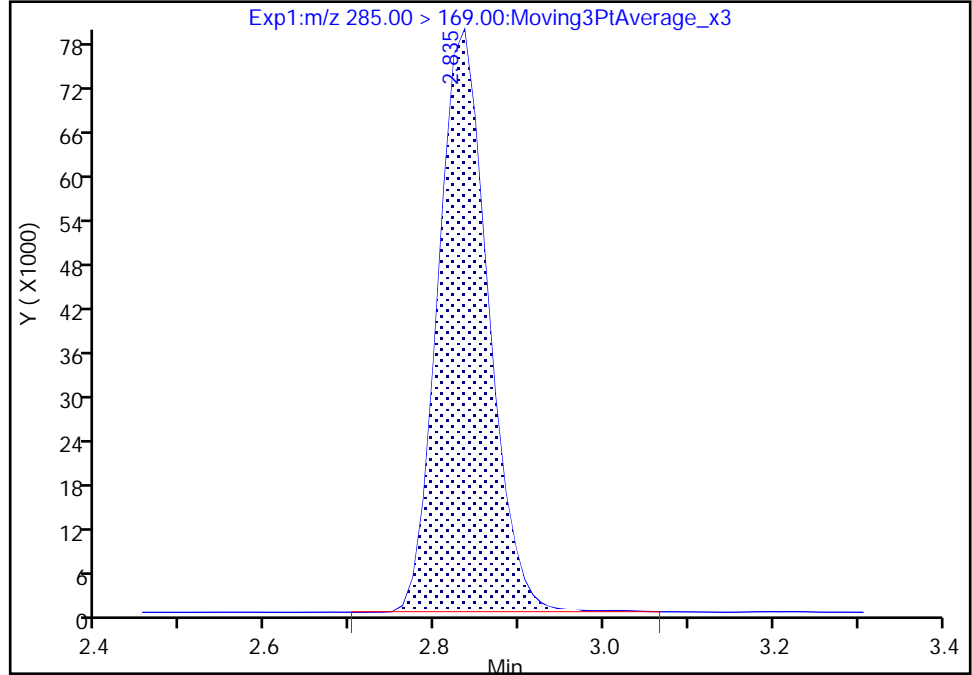
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

67 Perfluoro(2-propoxypropanoic) ac, CAS: 13252-13-6

Signal: 1

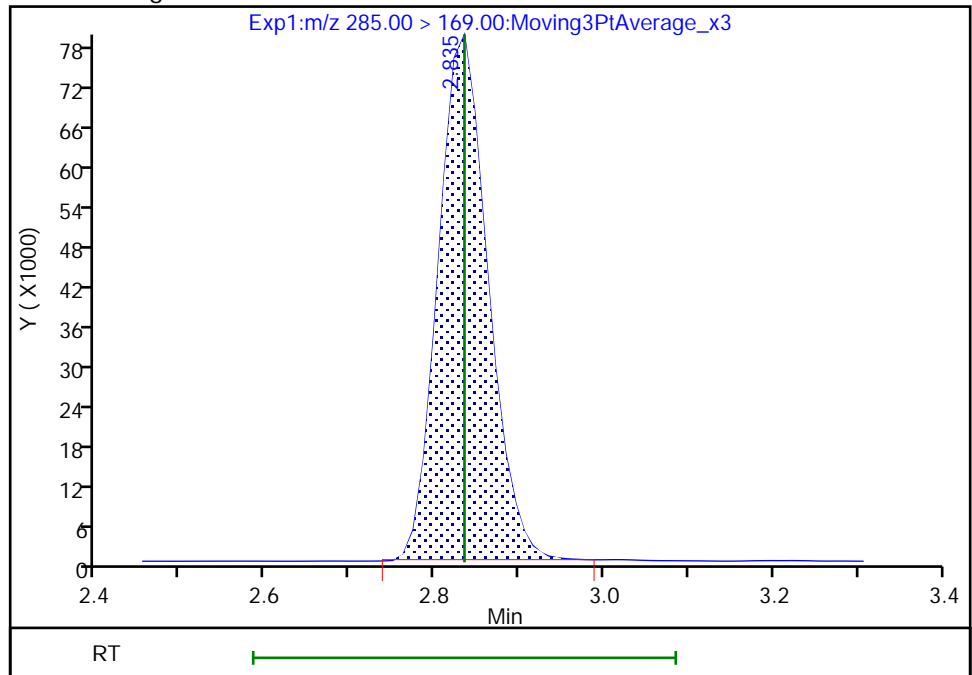
RT: 2.83
Area: 328807
Amount: 0.959805
Amount Units: ng/ml

Processing Integration Results



RT: 2.83
Area: 327093
Amount: 0.954802
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 16:26:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

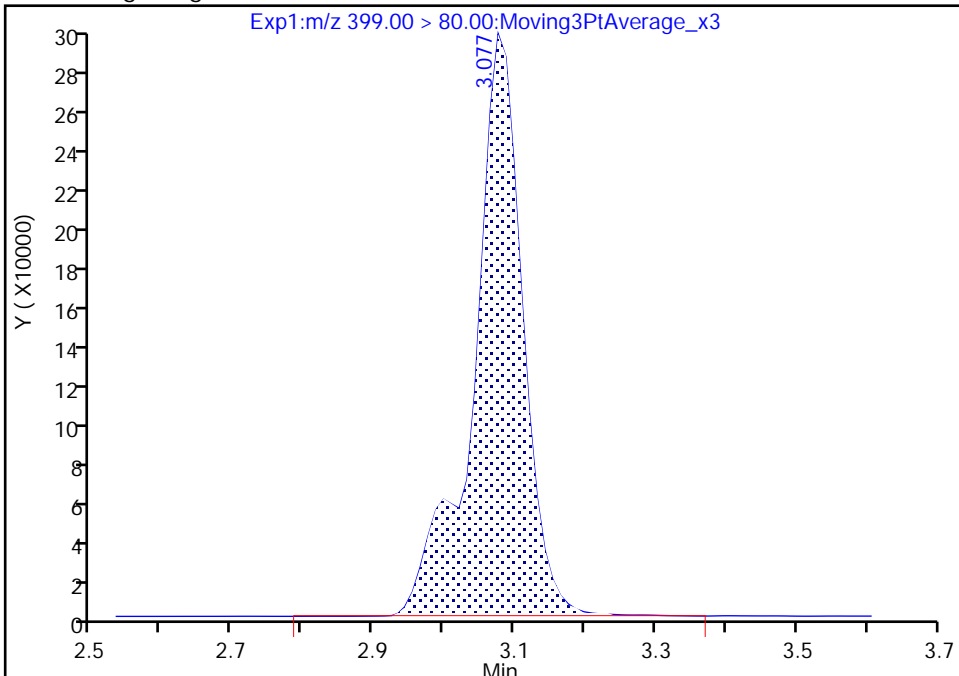
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

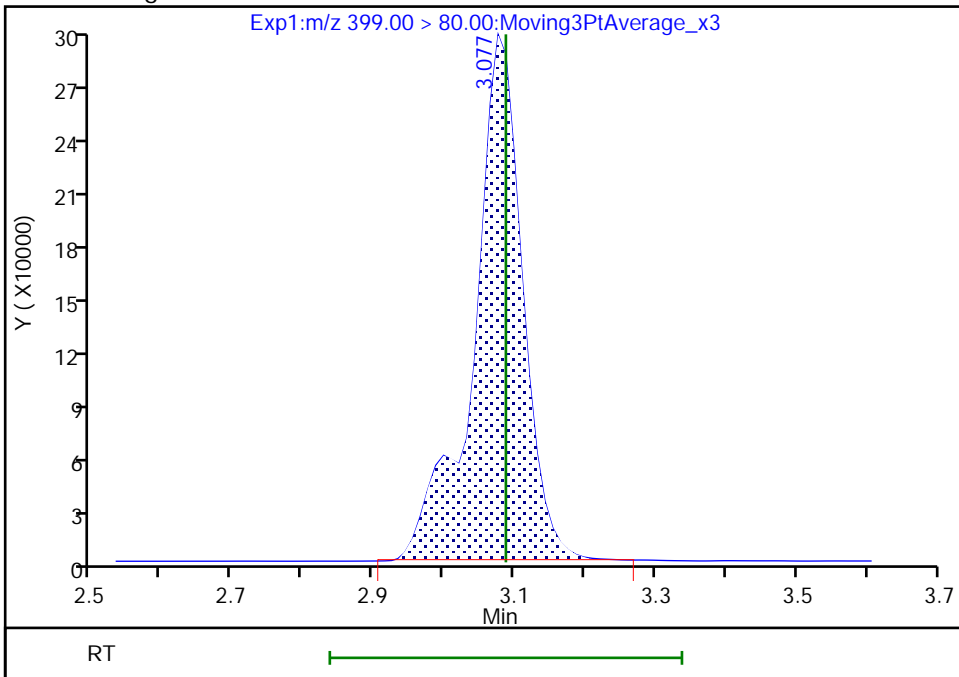
RT: 3.08
Area: 1414076
Amount: 0.851955
Amount Units: ng/ml

Processing Integration Results



RT: 3.08
Area: 1405445
Amount: 0.846755
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 16:26:53
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

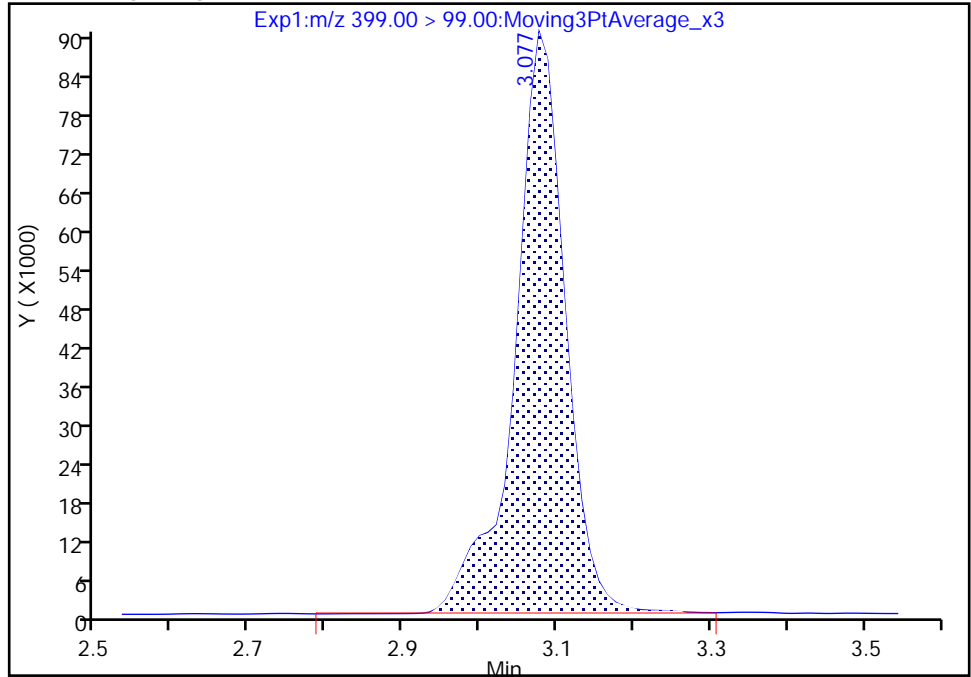
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

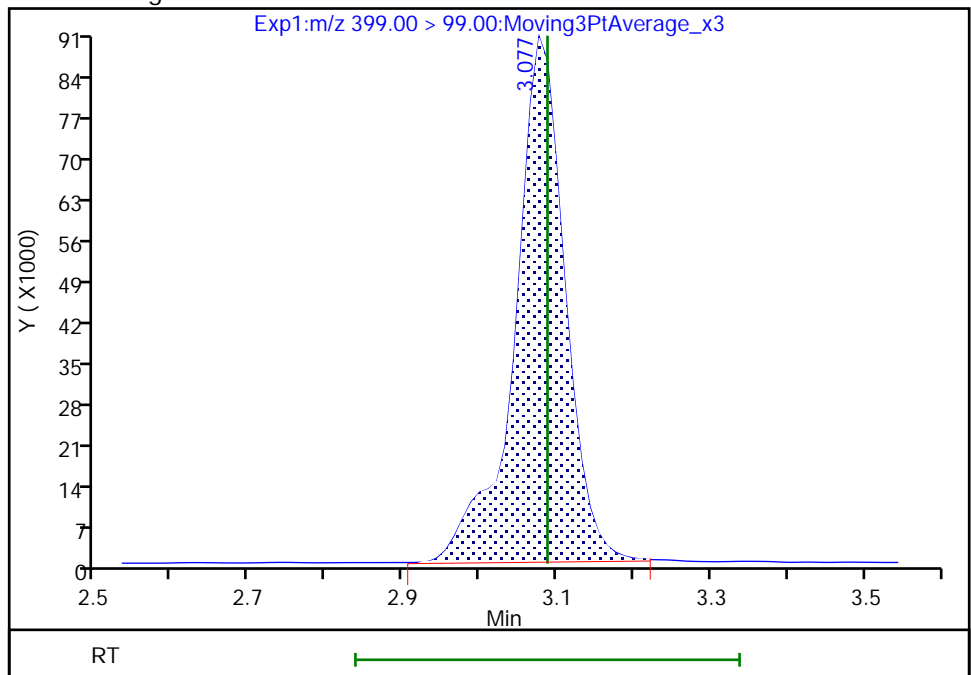
RT: 3.08
Area: 411784
Amount: 0.851955
Amount Units: ng/ml

Processing Integration Results



RT: 3.08
Area: 410461
Amount: 0.846755
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 16:27:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

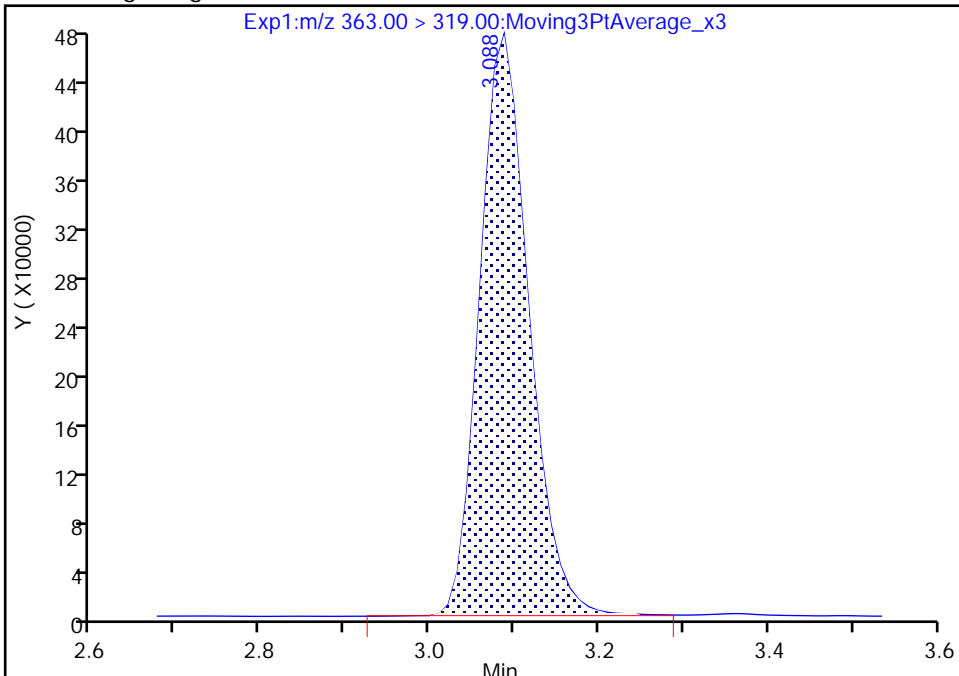
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

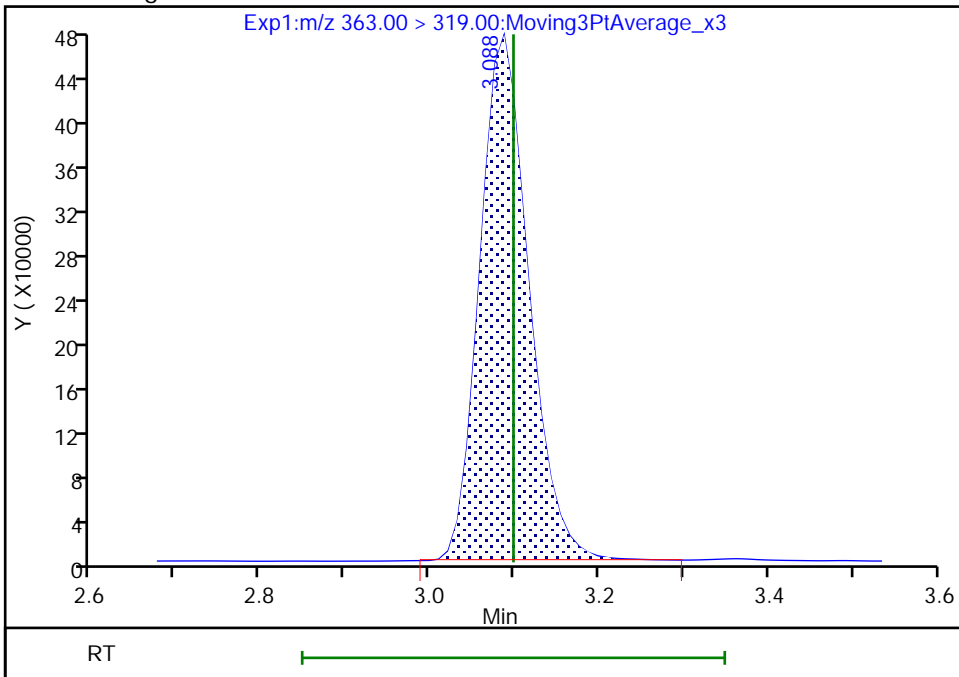
RT: 3.09
Area: 1909052
Amount: 0.956816
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 1900168
Amount: 0.952363
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 16:27:07
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

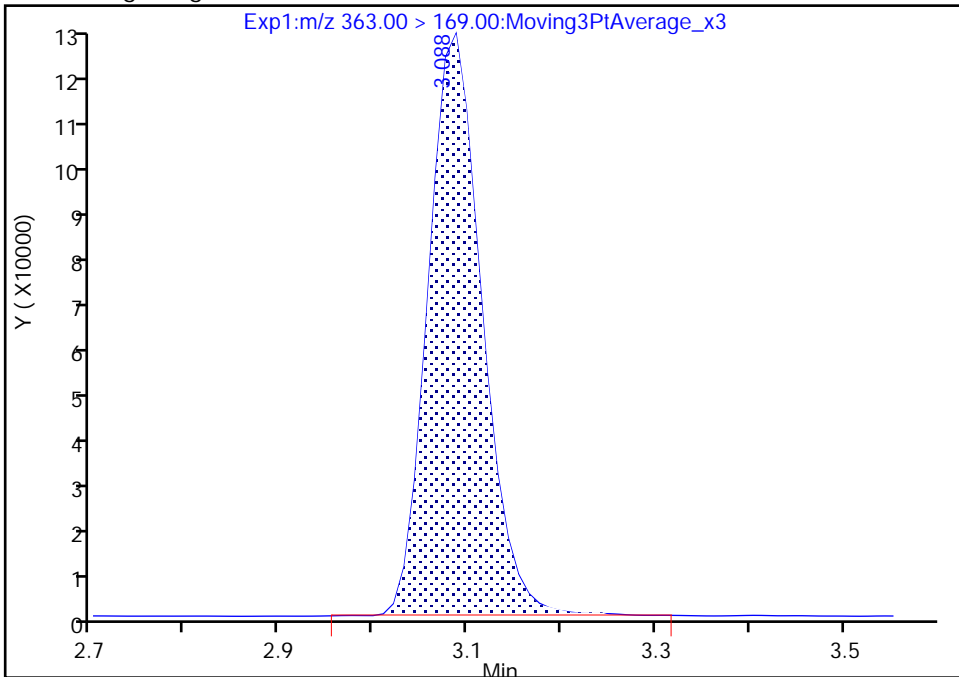
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

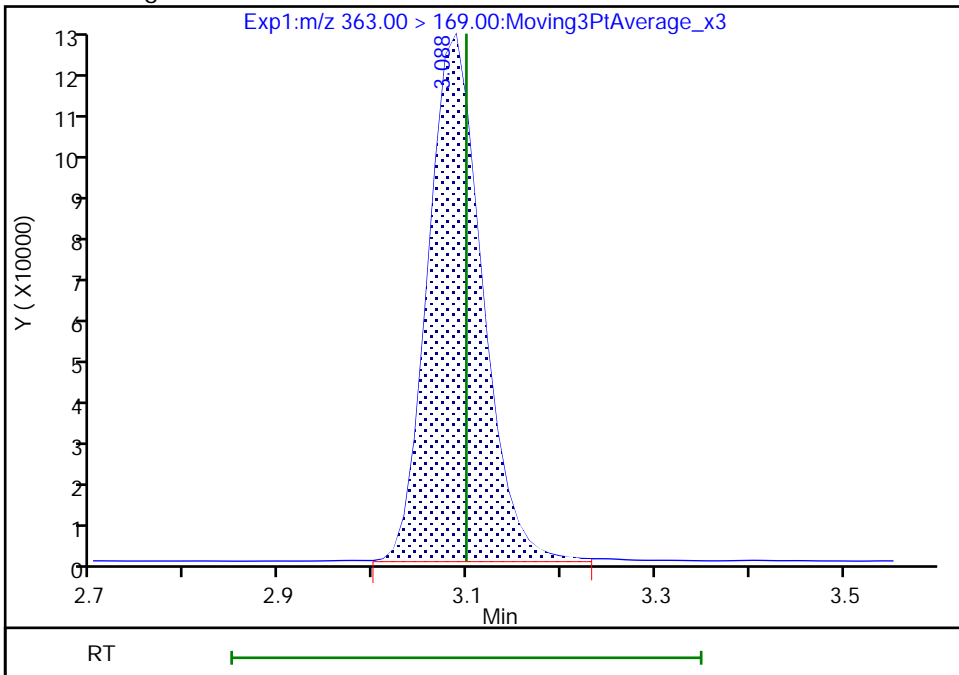
RT: 3.09
Area: 505574
Amount: 0.956816
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 504259
Amount: 0.952363
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 16:27:14

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

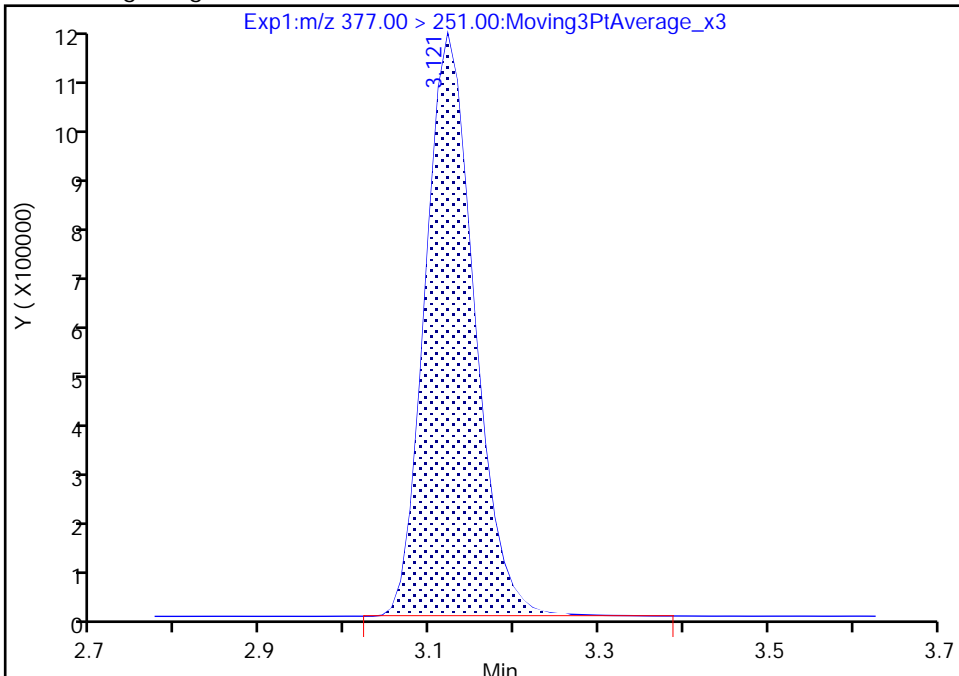
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 1

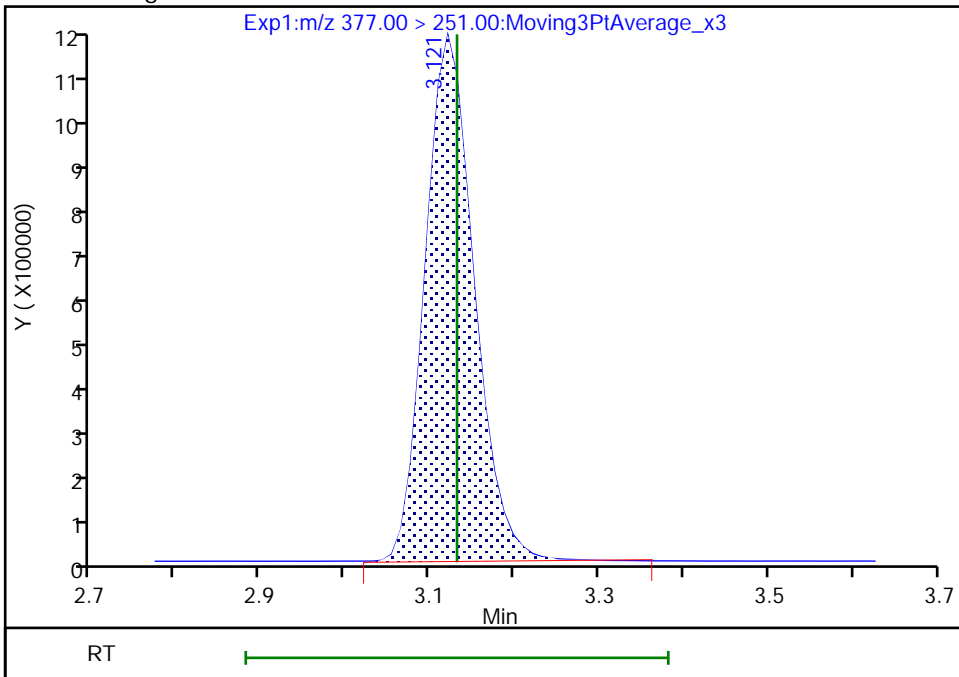
RT: 3.12
Area: 4816182
Amount: 0.880774
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 4812717
Amount: 0.880141
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 16:27:20
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

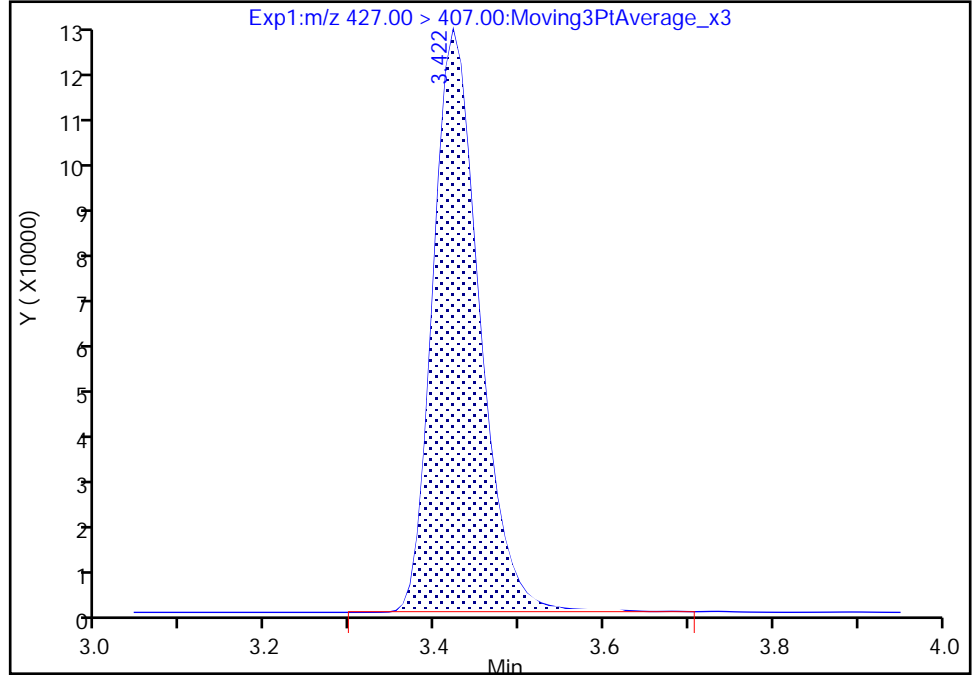
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

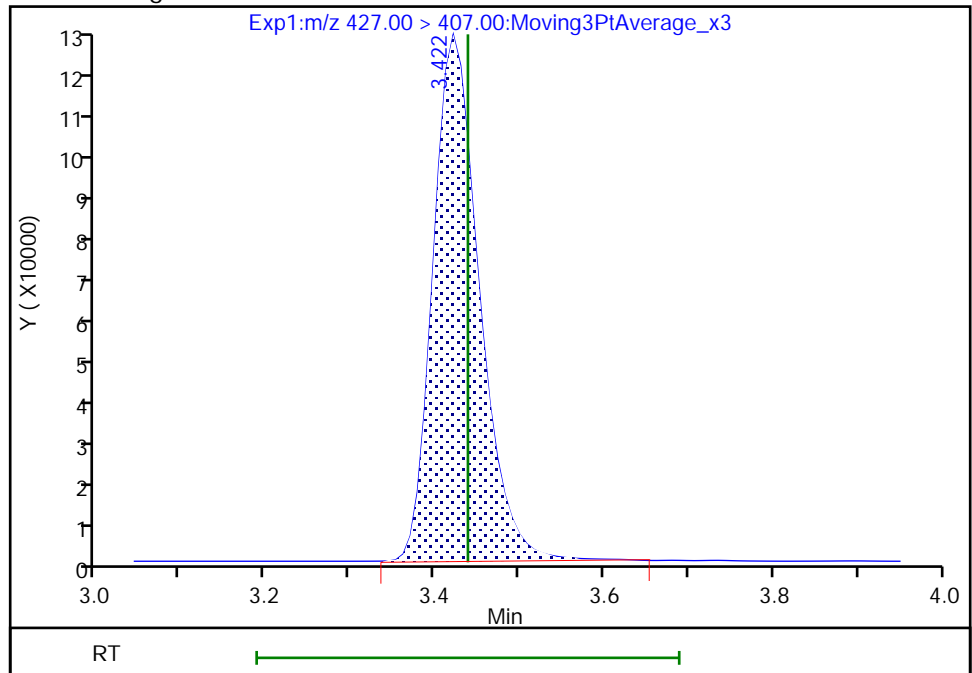
RT: 3.42
Area: 493421
Amount: 0.950898
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 492497
Amount: 0.949095
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 16:27:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

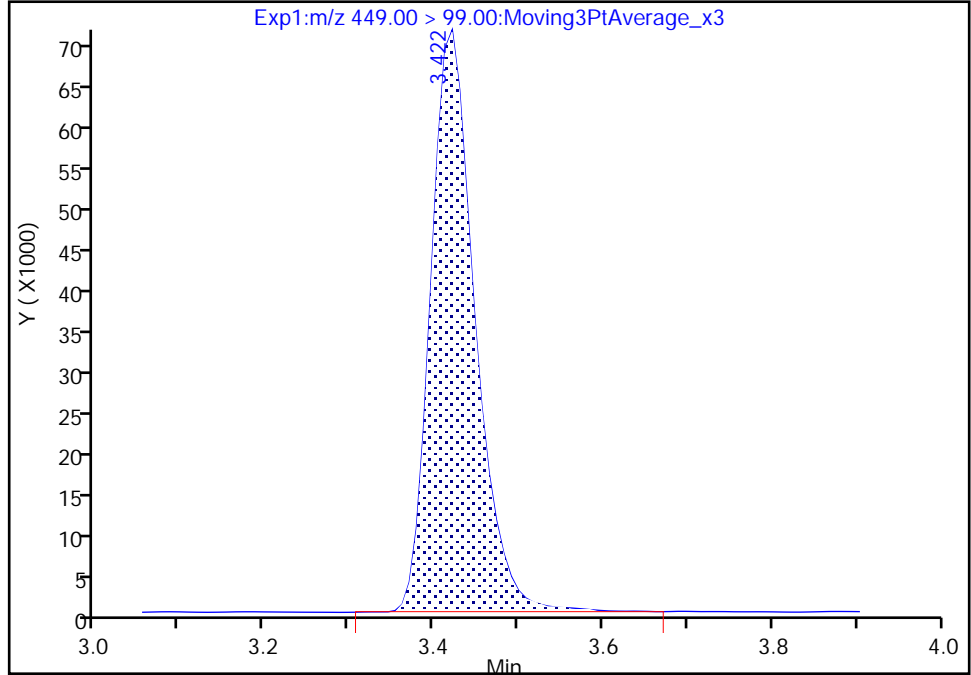
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

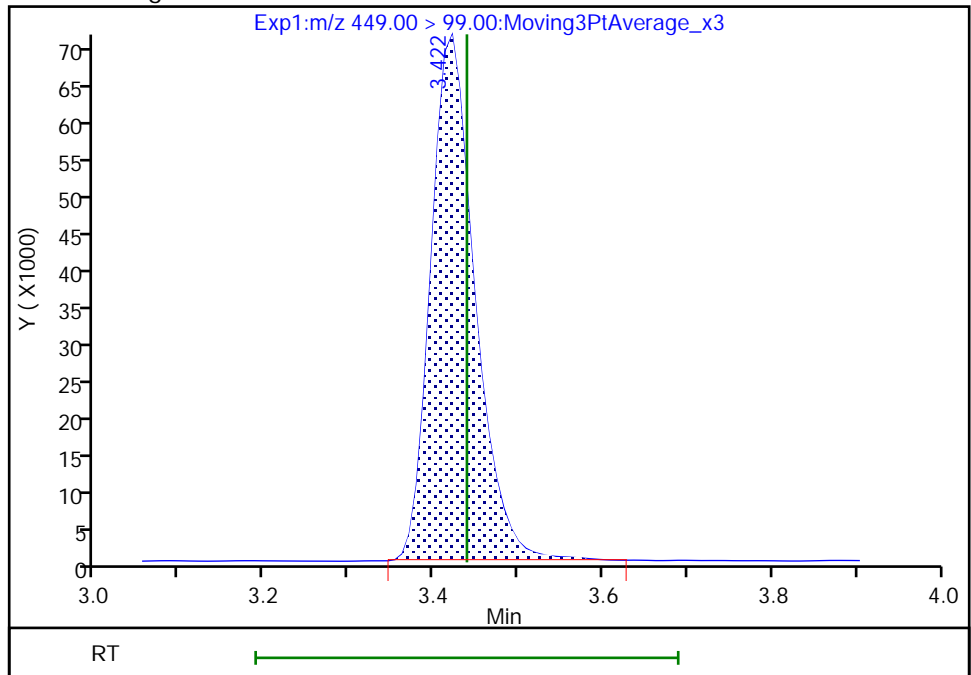
RT: 3.42
Area: 260254
Amount: 0.928213
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 259145
Amount: 0.927145
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 16:27:37
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

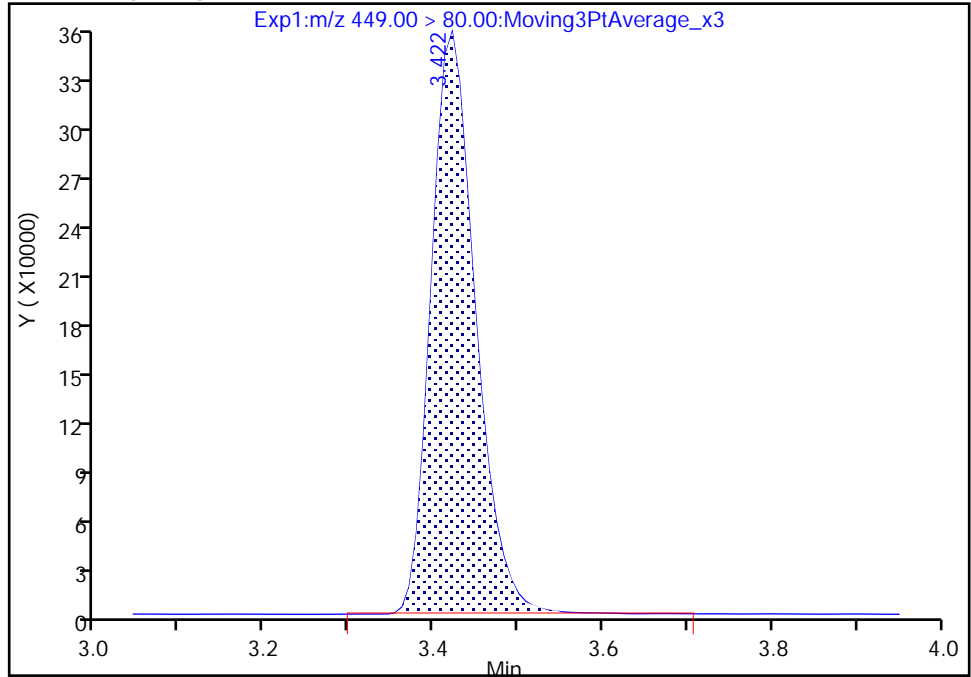
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

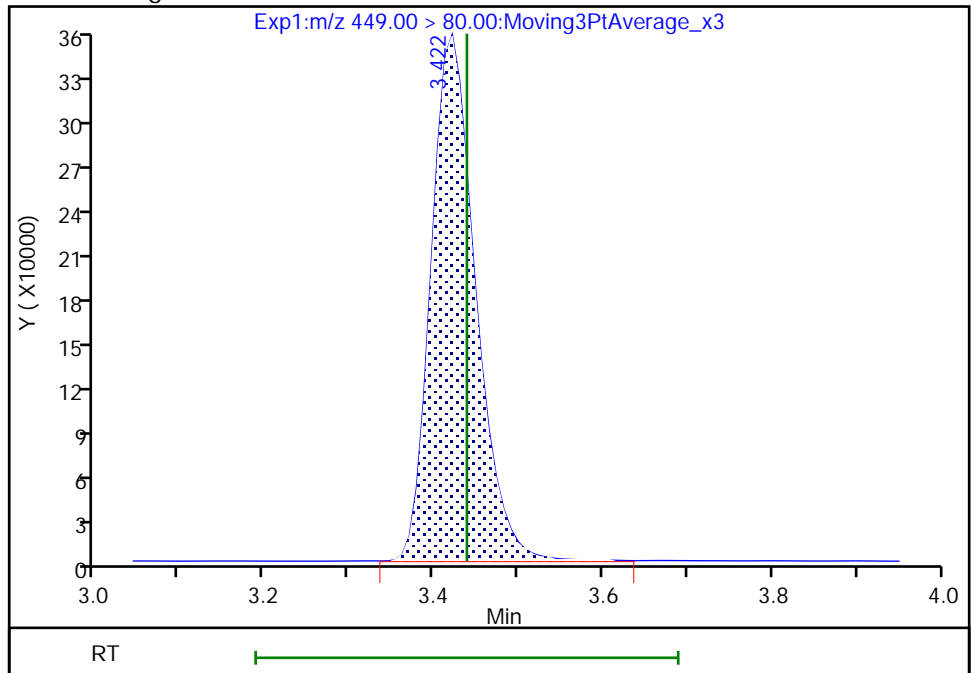
RT: 3.42
Area: 1287283
Amount: 0.928213
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 1285801
Amount: 0.927145
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 16:27:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

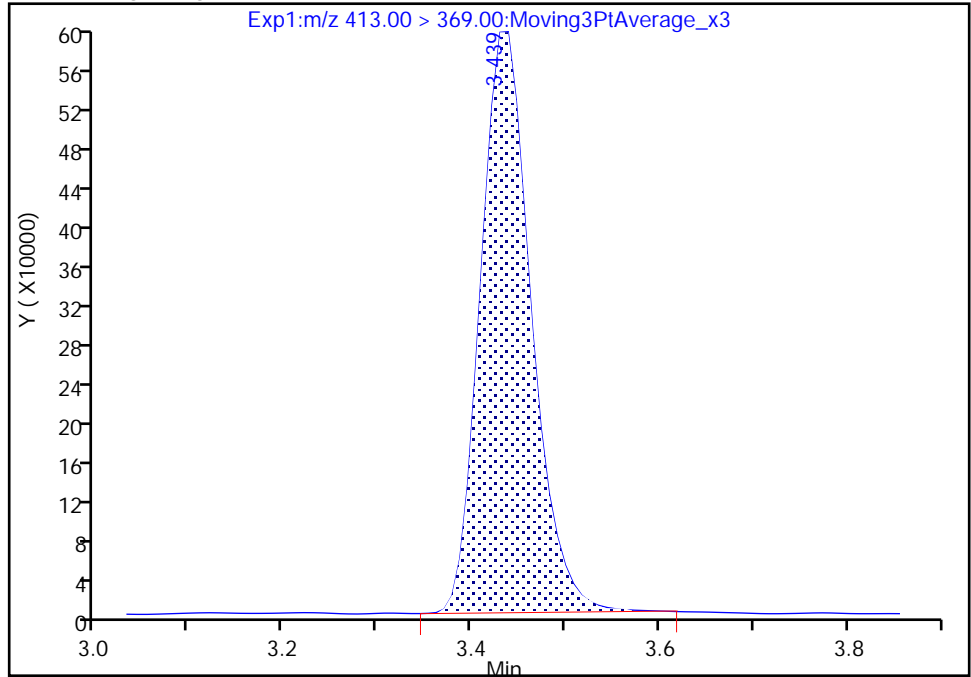
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

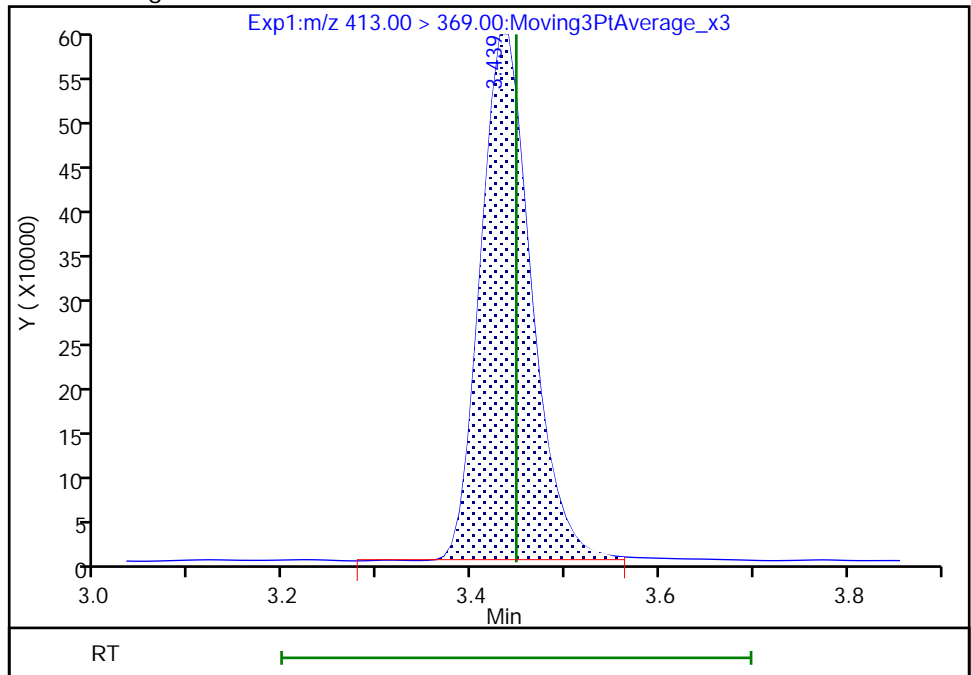
RT: 3.44
Area: 2234853
Amount: 0.983557
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 2247275
Amount: 0.989024
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 16:27:51
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

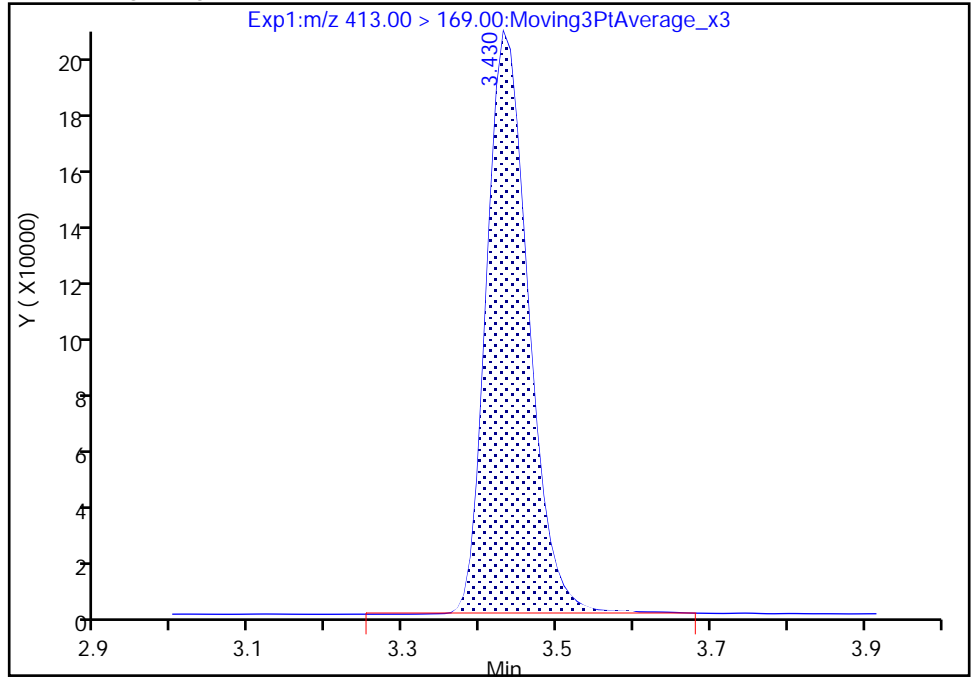
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

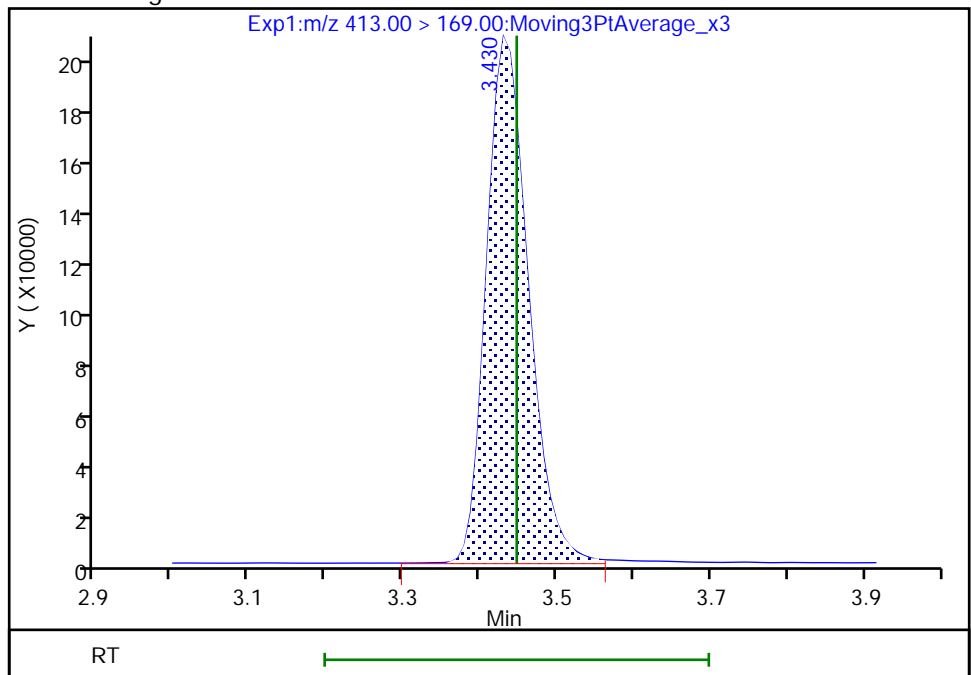
RT: 3.43
Area: 774156
Amount: 0.983557
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 771321
Amount: 0.989024
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 16:28:08

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

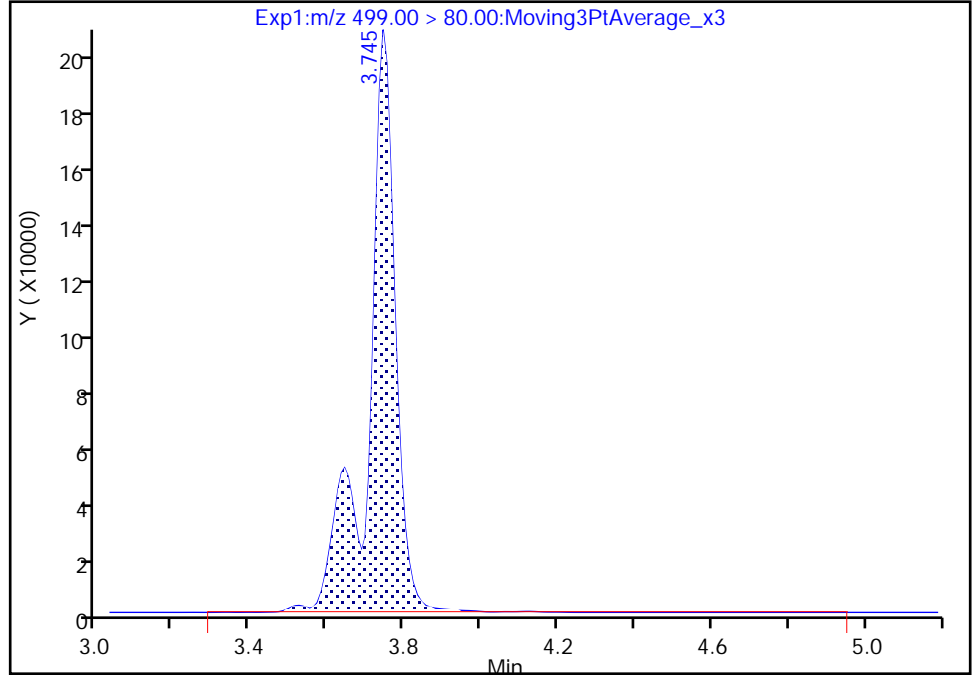
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

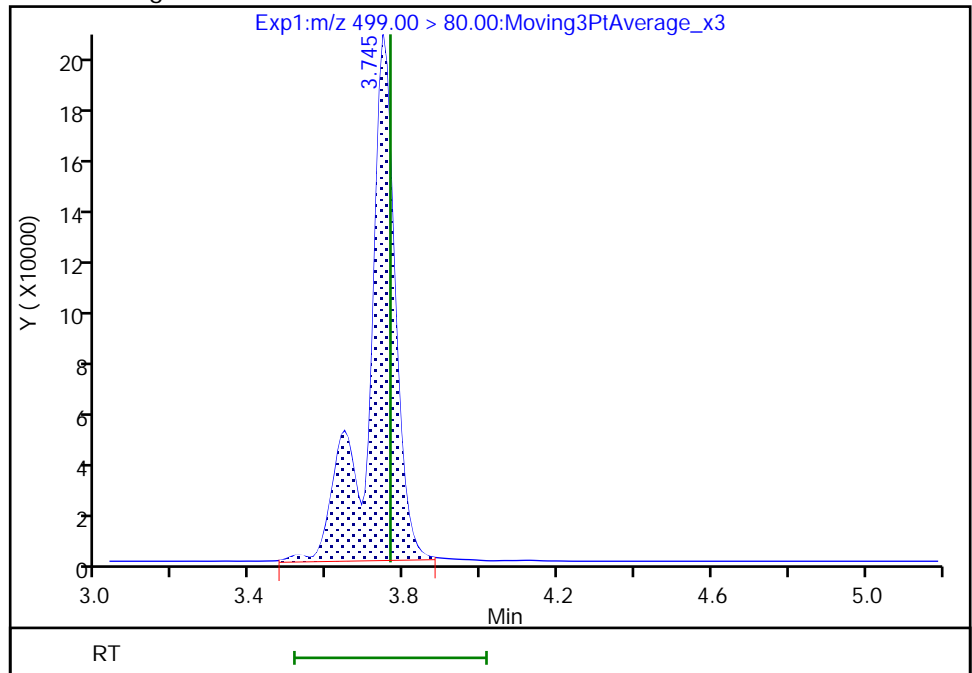
RT: 3.74
Area: 1015531
Amount: 0.840993
Amount Units: ng/ml

Processing Integration Results



RT: 3.74
Area: 1003639
Amount: 0.831145
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 16:29:03
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

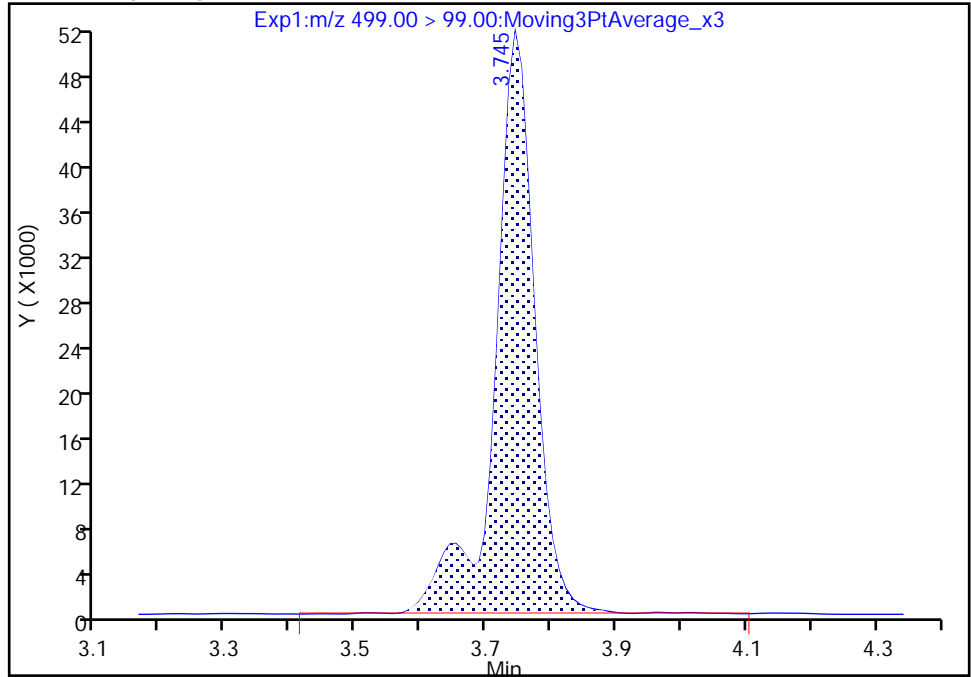
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

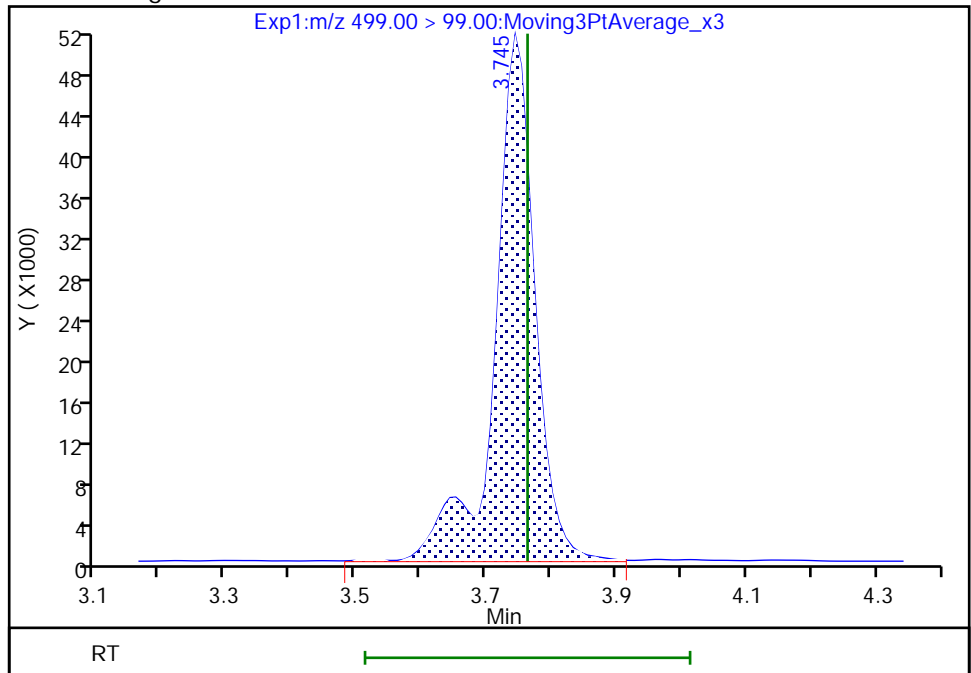
RT: 3.74
Area: 221954
Amount: 0.840993
Amount Units: ng/ml

Processing Integration Results



RT: 3.74
Area: 220951
Amount: 0.831145
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 09-Dec-2022 11:02:44

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

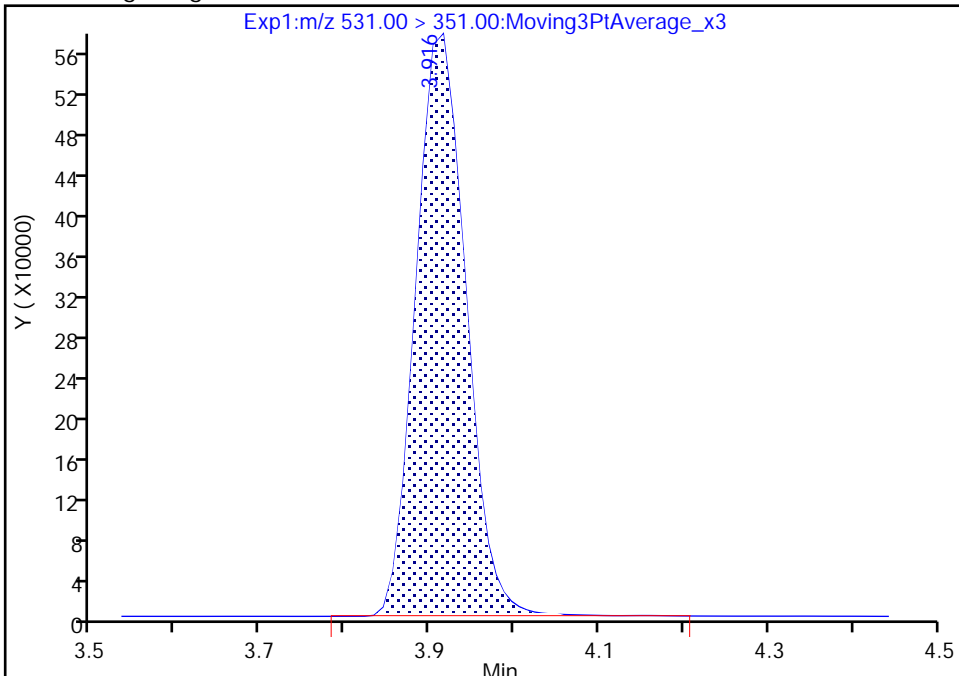
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

69 9-Chlorohexadecafluoro-3-oxanona, CAS: 756426-58-1

Signal: 1

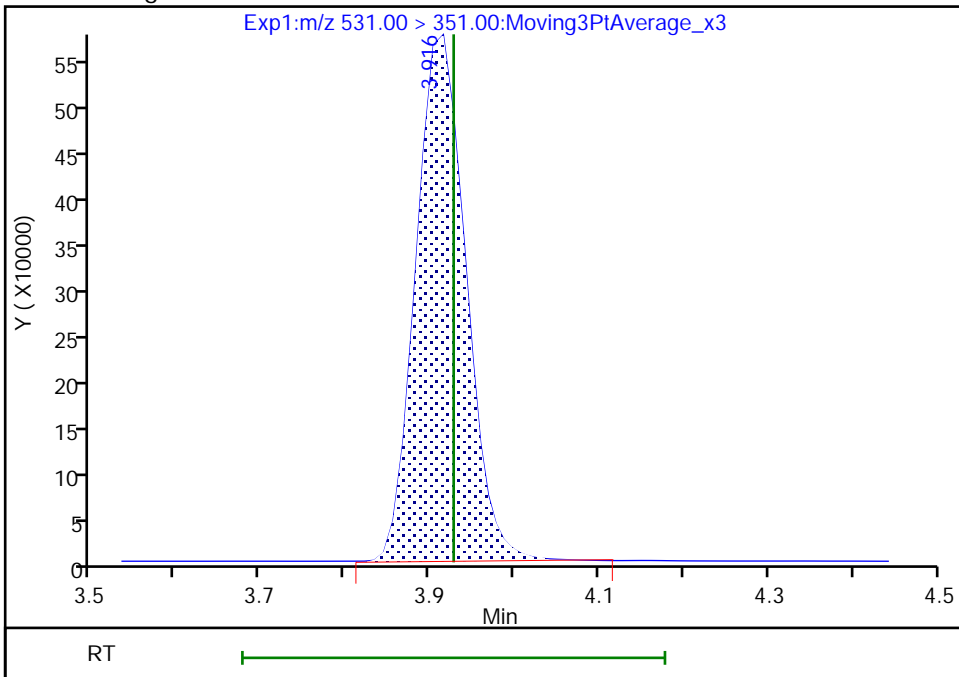
RT: 3.92
Area: 2376576
Amount: 0.857530
Amount Units: ng/ml

Processing Integration Results



RT: 3.92
Area: 2370558
Amount: 0.855358
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 16:29:14
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

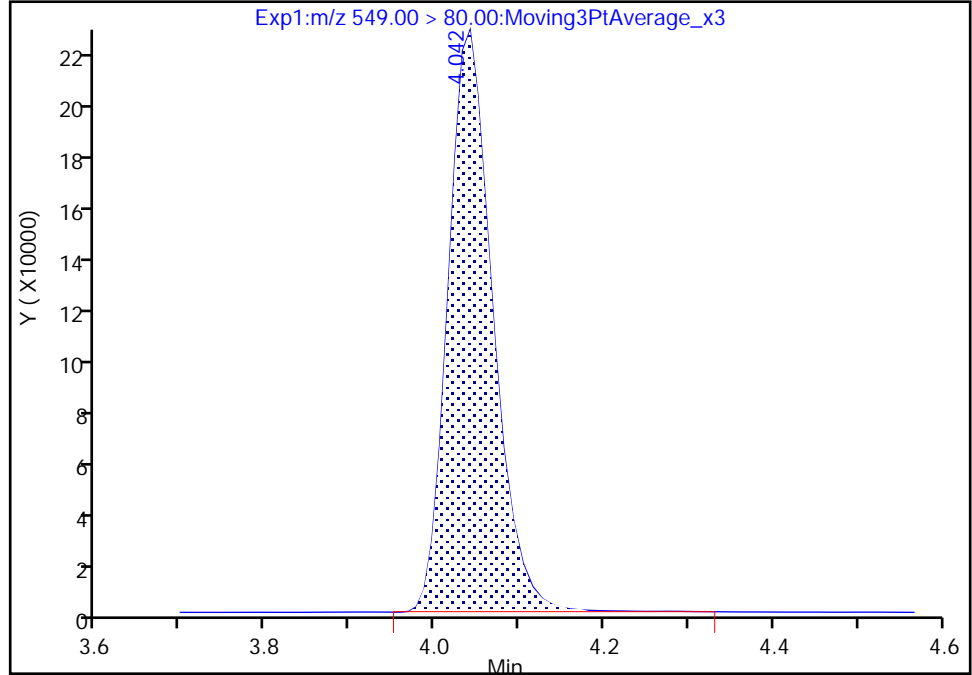
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 1

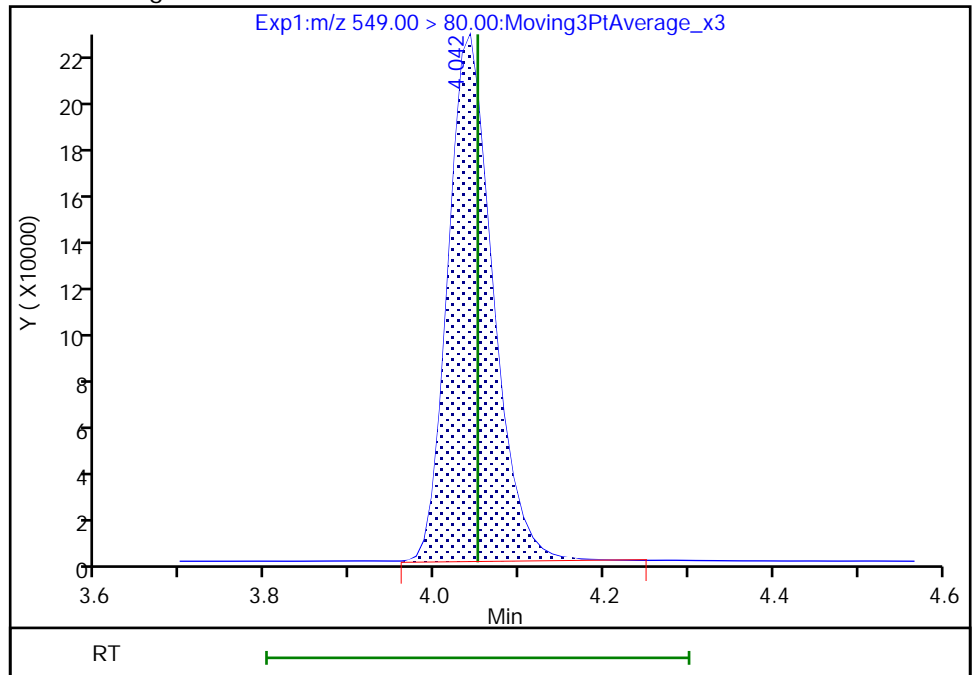
RT: 4.04
Area: 825422
Amount: 0.905648
Amount Units: ng/ml

Processing Integration Results



RT: 4.04
Area: 823400
Amount: 0.903430
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 16:29:21
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

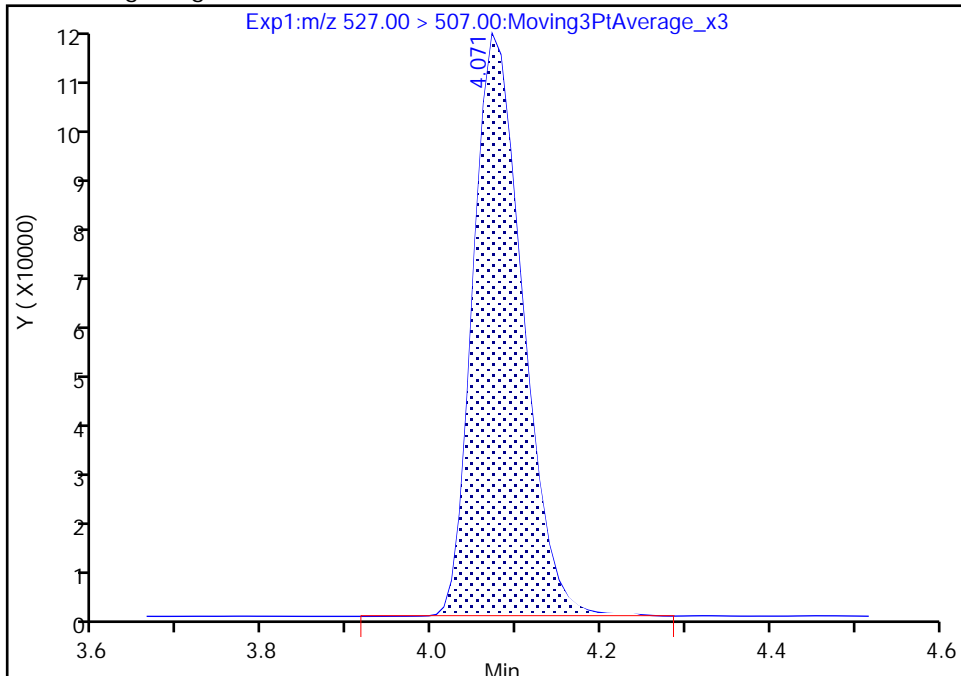
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

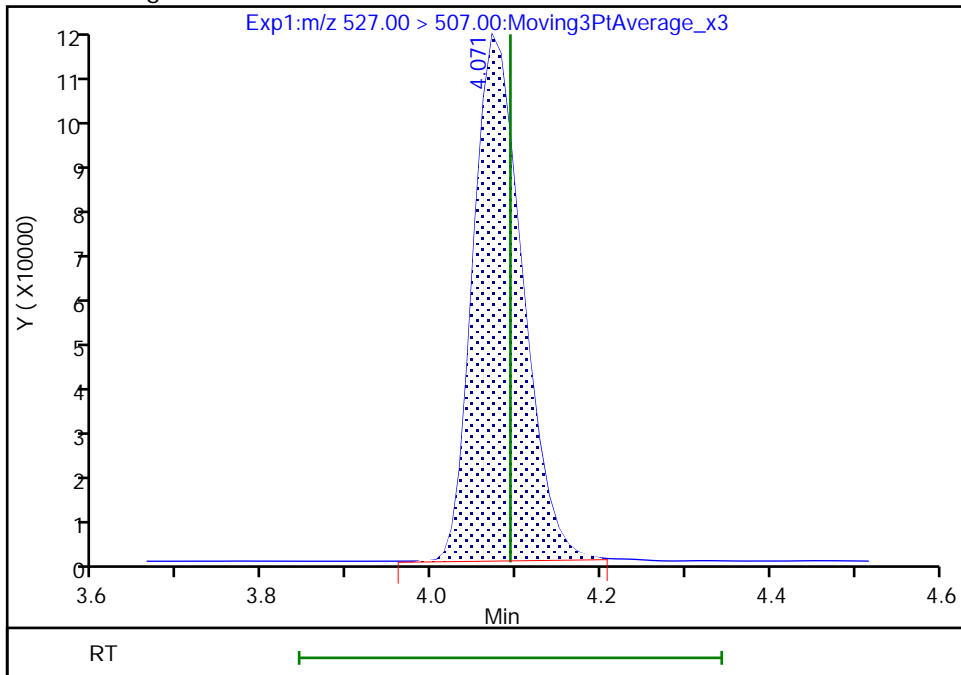
RT: 4.07
Area: 454481
Amount: 0.889399
Amount Units: ng/ml

Processing Integration Results



RT: 4.07
Area: 452957
Amount: 0.886417
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 16:29:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

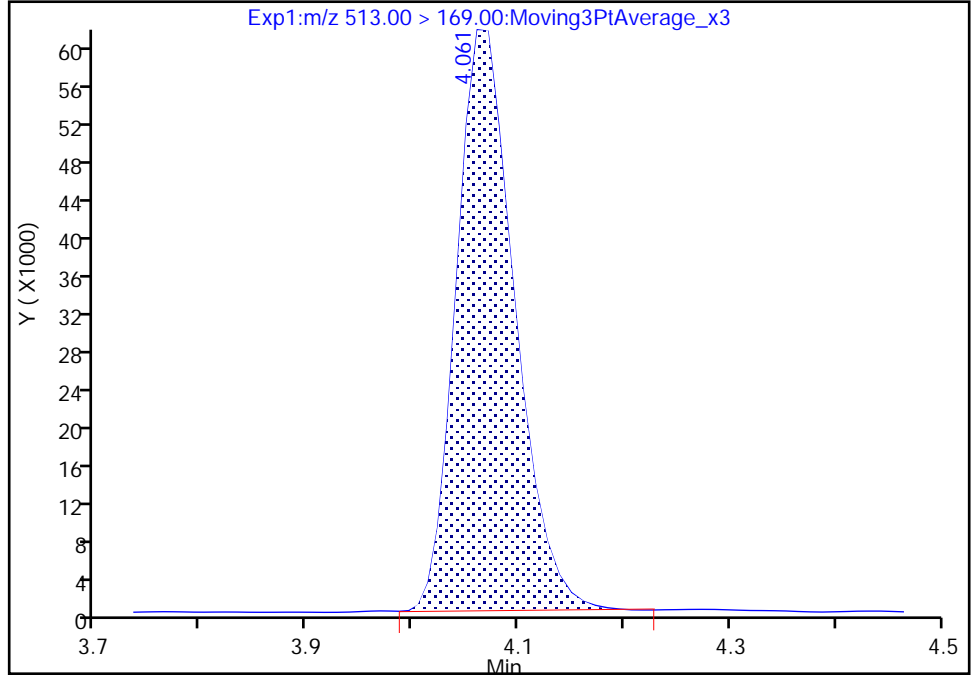
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

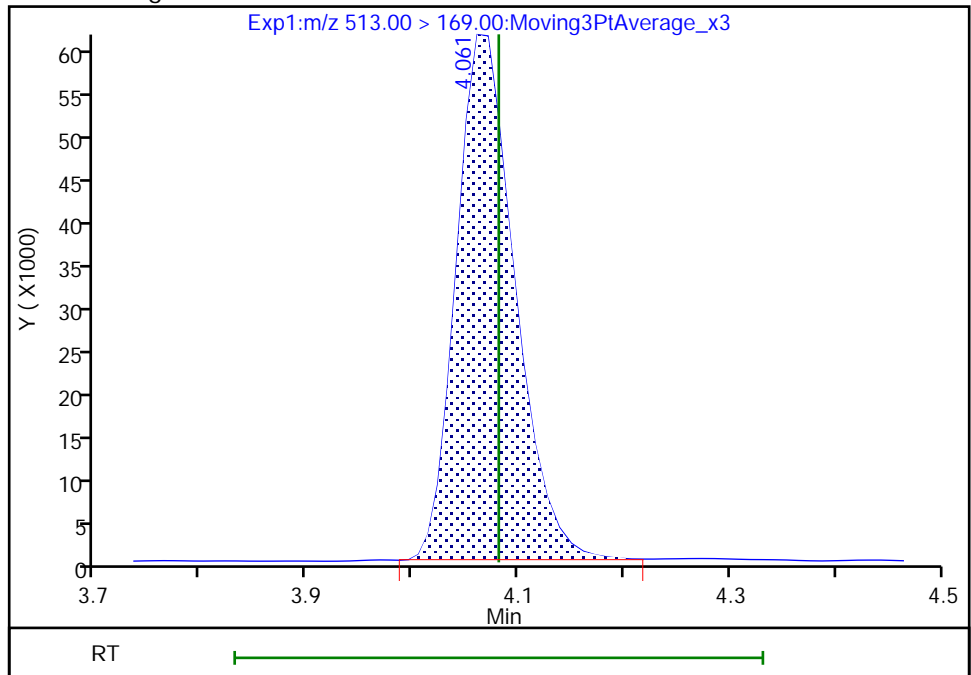
RT: 4.06
Area: 235597
Amount: 0.946183
Amount Units: ng/ml

Processing Integration Results



RT: 4.06
Area: 235136
Amount: 0.946183
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 16:29:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

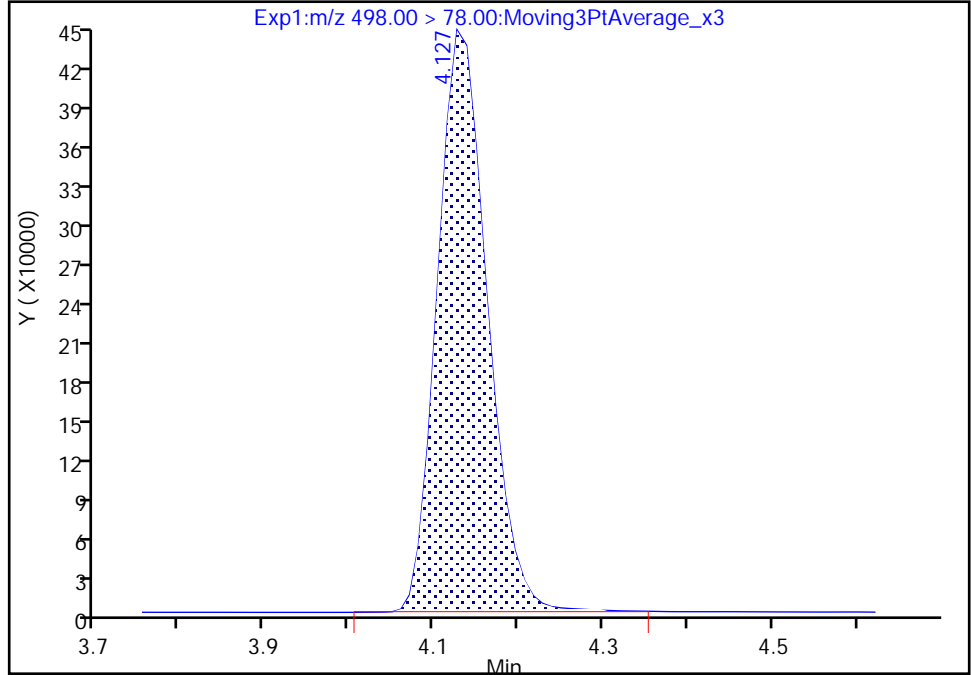
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

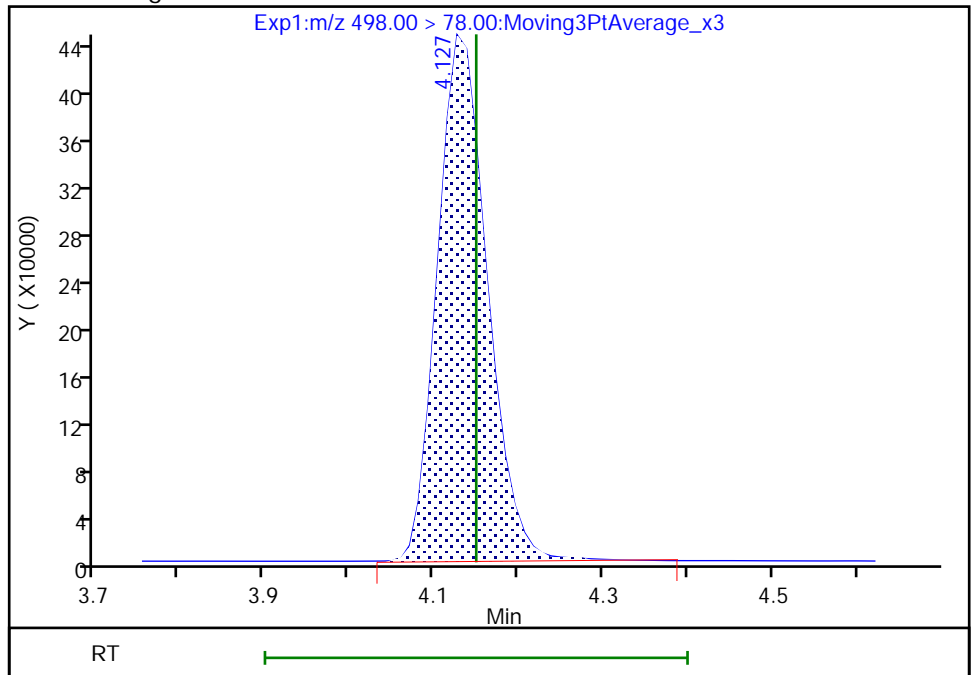
RT: 4.13
Area: 1837742
Amount: 0.959940
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 1841250
Amount: 0.961772
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 16:29:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

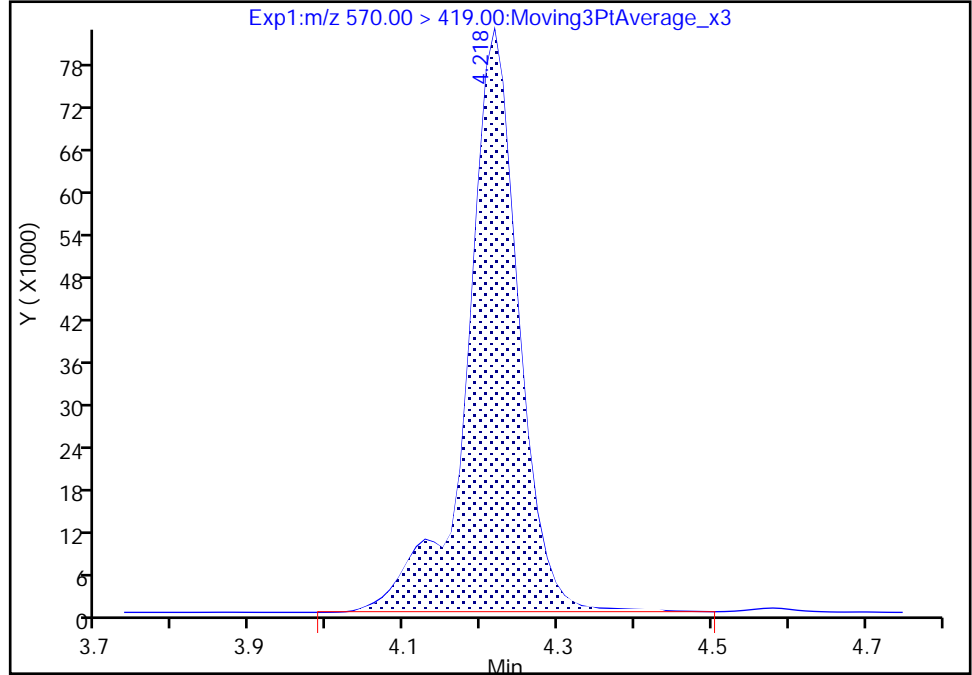
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

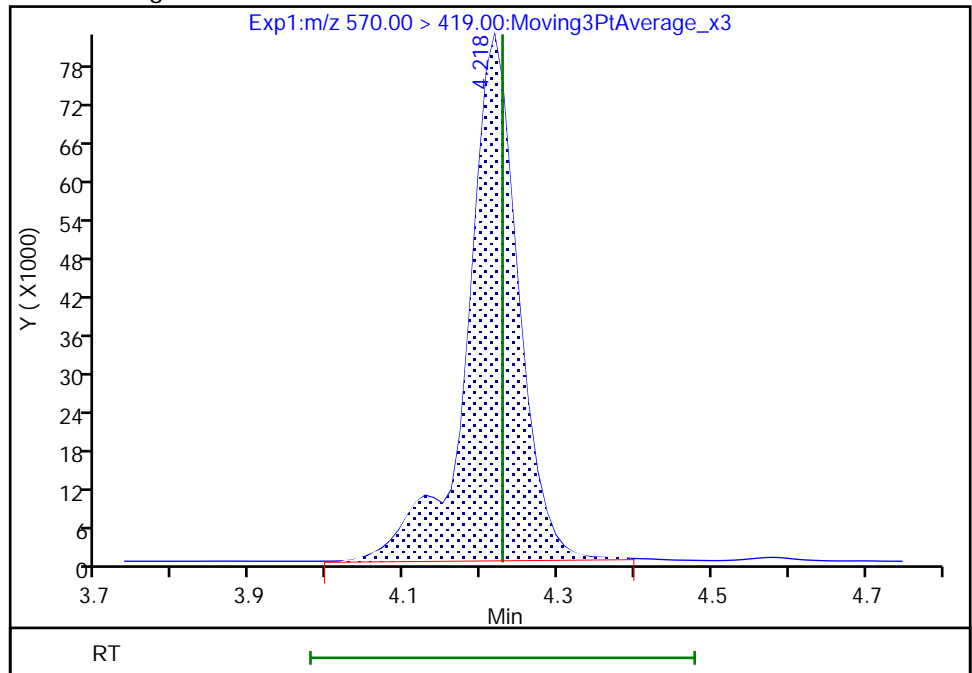
RT: 4.22
Area: 385861
Amount: 0.985721
Amount Units: ng/ml

Processing Integration Results



RT: 4.22
Area: 379157
Amount: 0.968393
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 09-Dec-2022 11:03:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

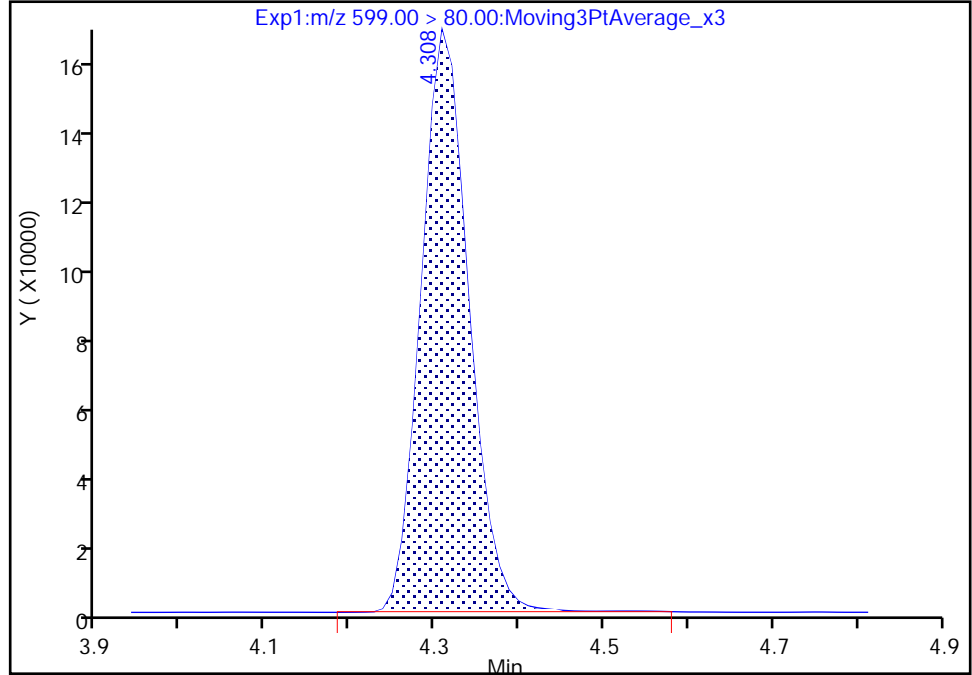
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

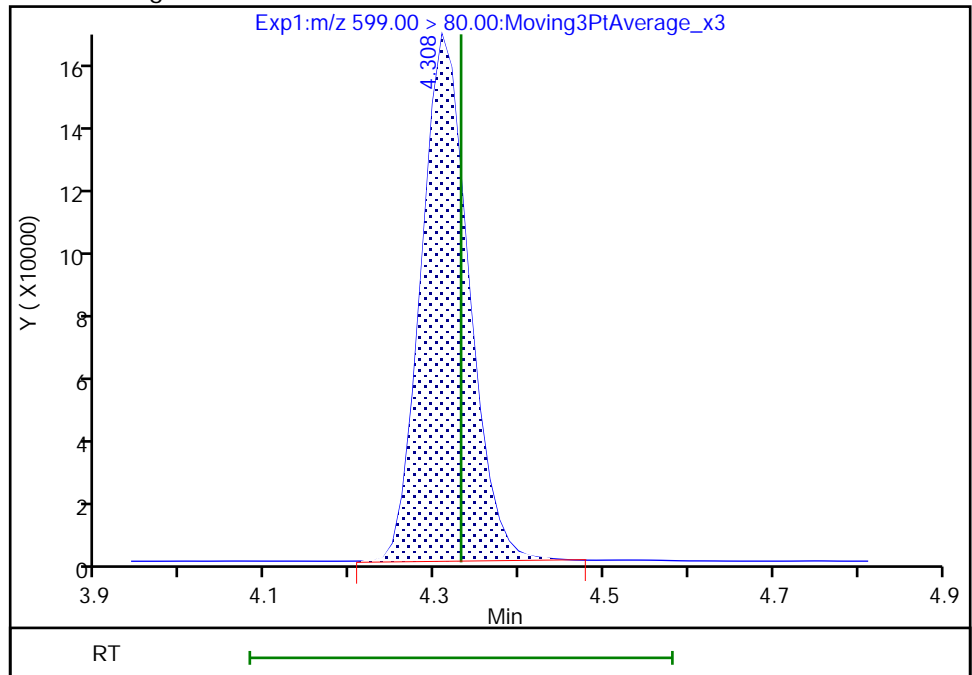
RT: 4.31
Area: 660738
Amount: 0.918148
Amount Units: ng/ml

Processing Integration Results



RT: 4.31
Area: 658052
Amount: 0.914416
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 16:30:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

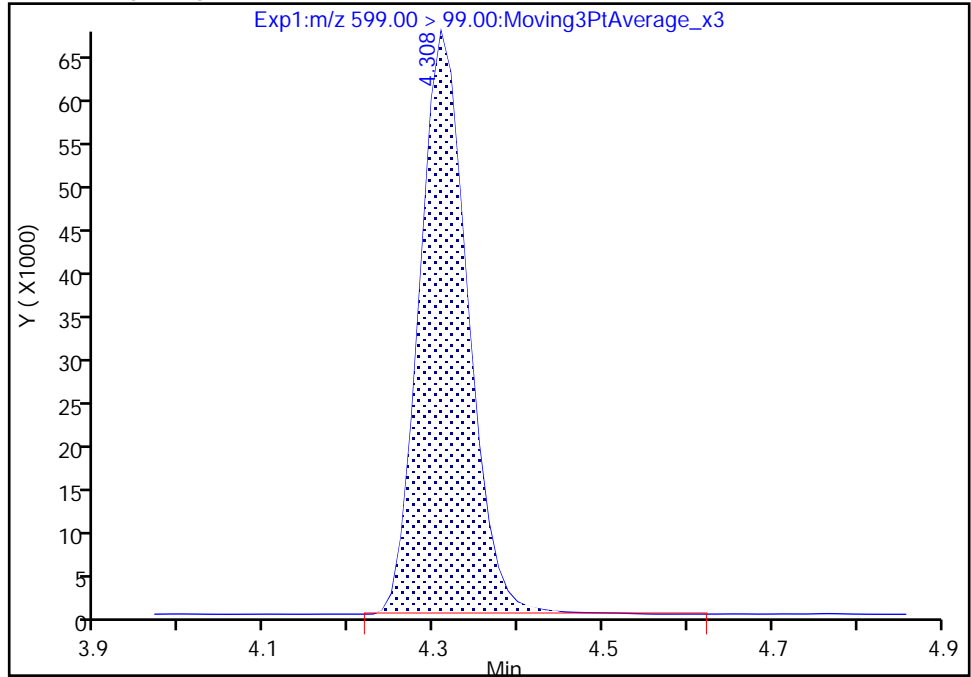
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

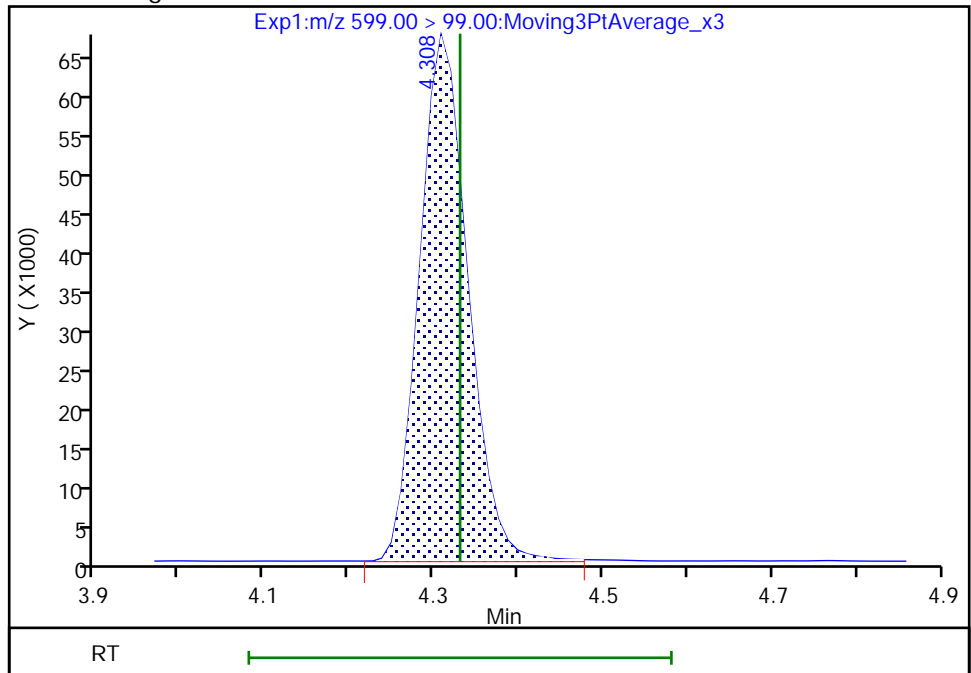
RT: 4.31
Area: 270586
Amount: 0.918148
Amount Units: ng/ml

Processing Integration Results



RT: 4.31
Area: 269554
Amount: 0.914416
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 16:30:22

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

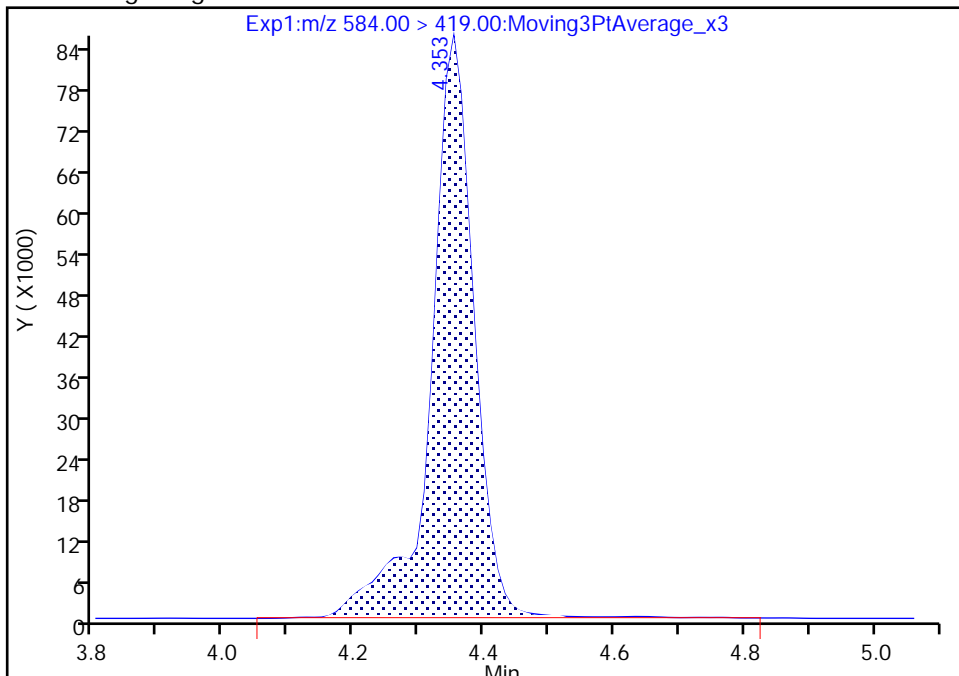
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

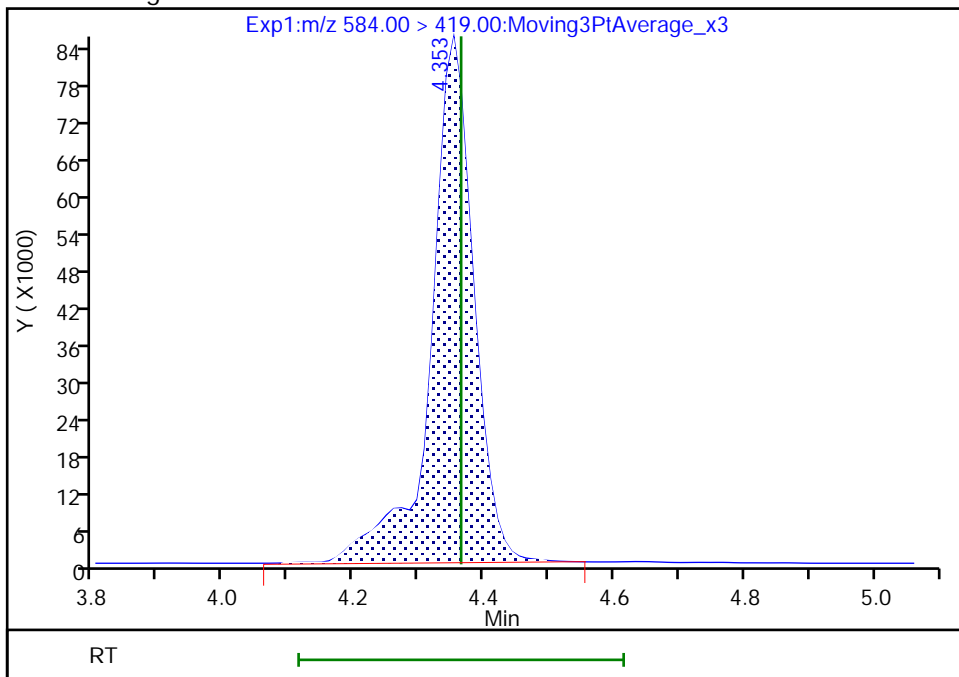
RT: 4.35
Area: 396150
Amount: 0.964717
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 393550
Amount: 0.958385
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 16:30:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

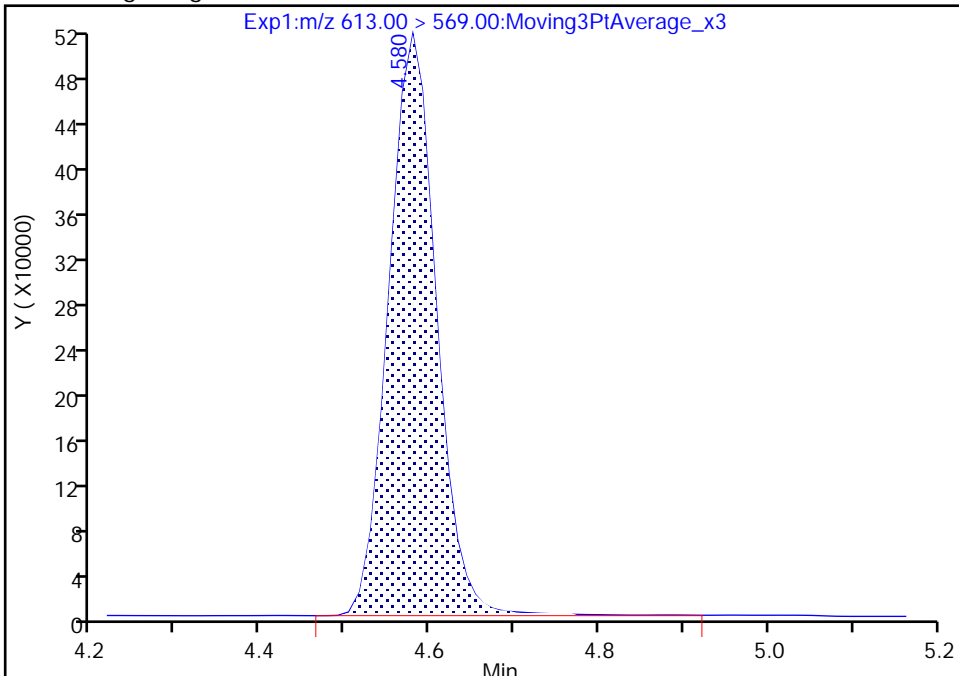
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

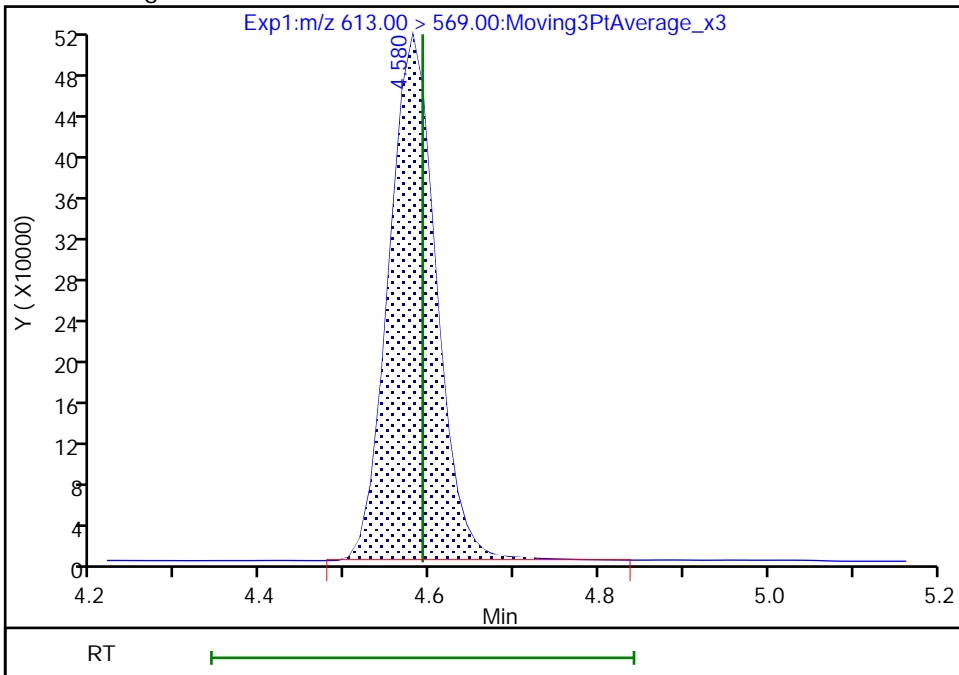
RT: 4.58
Area: 2019856
Amount: 0.948298
Amount Units: ng/ml

Processing Integration Results



RT: 4.58
Area: 2016605
Amount: 0.946771
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 16:31:14
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

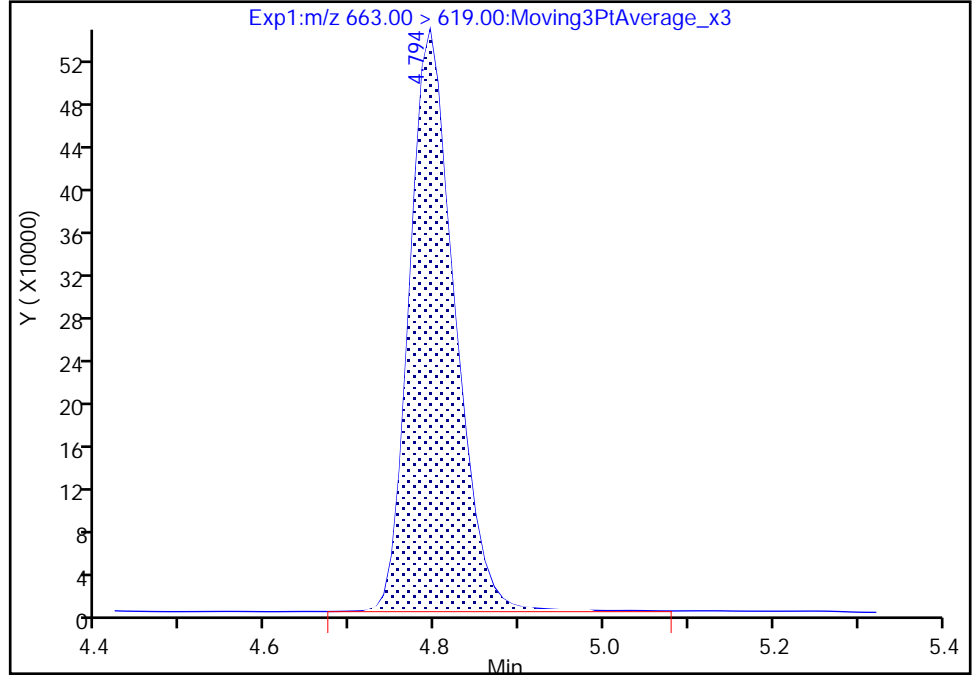
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

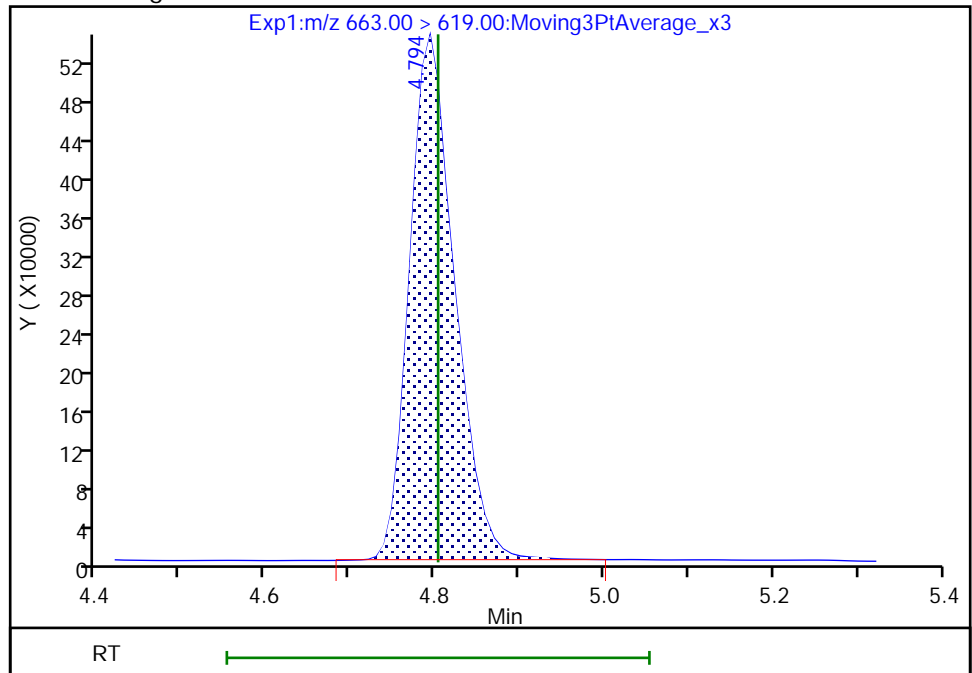
RT: 4.79
Area: 1999707
Amount: 0.981677
Amount Units: ng/ml

Processing Integration Results



RT: 4.79
Area: 1993476
Amount: 0.978618
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 16:31:29
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

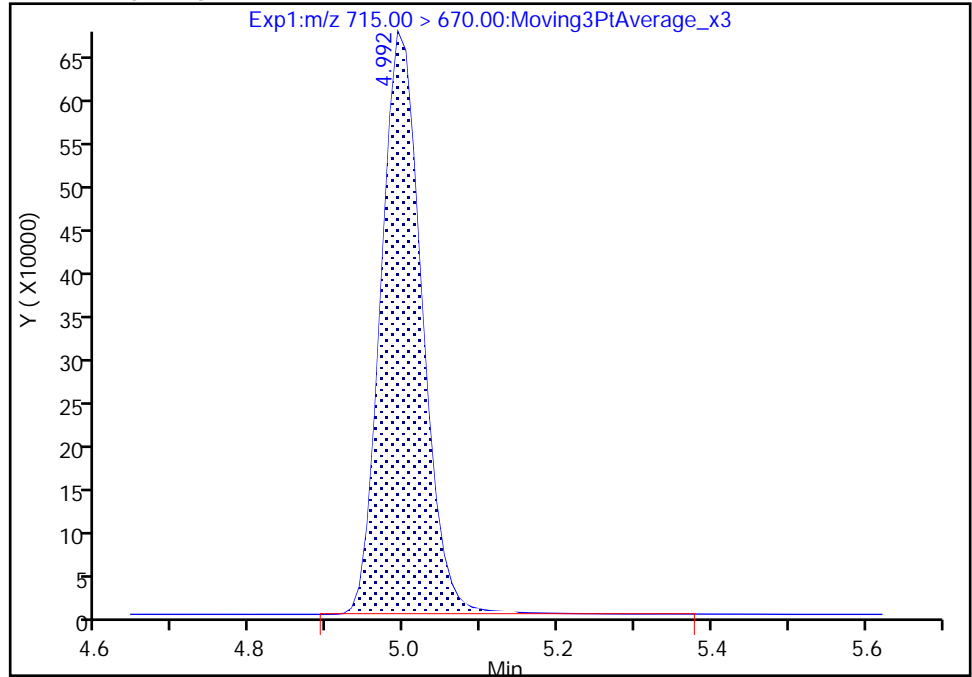
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116
Signal: 1

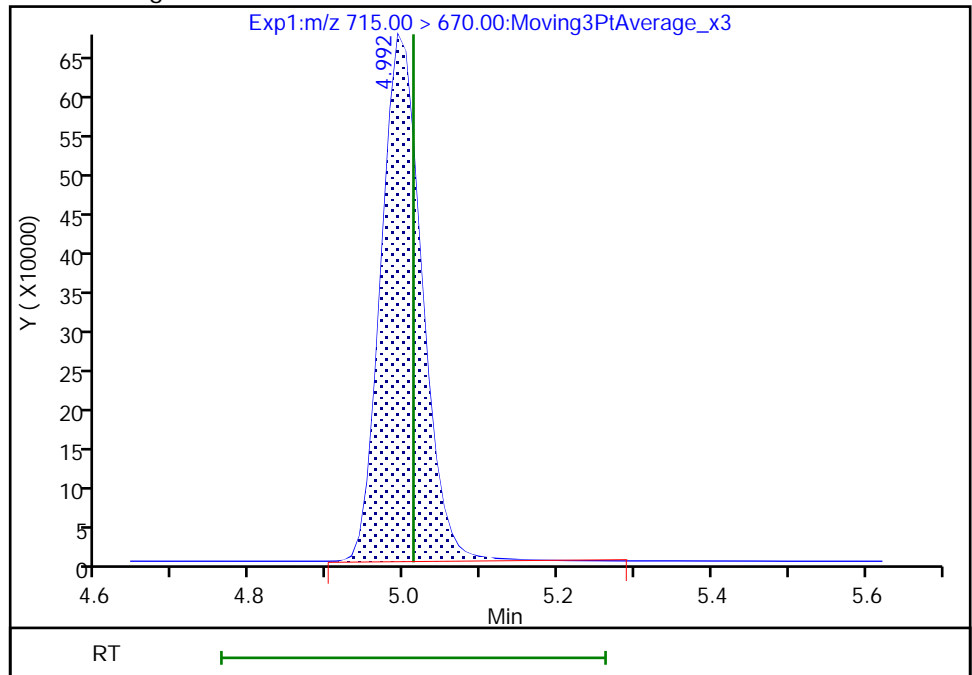
RT: 4.99
Area: 2512019
Amount: 1.502216
Amount Units: ng/ml

Processing Integration Results



RT: 4.99
Area: 2509420
Amount: 1.500662
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 16:25:45
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

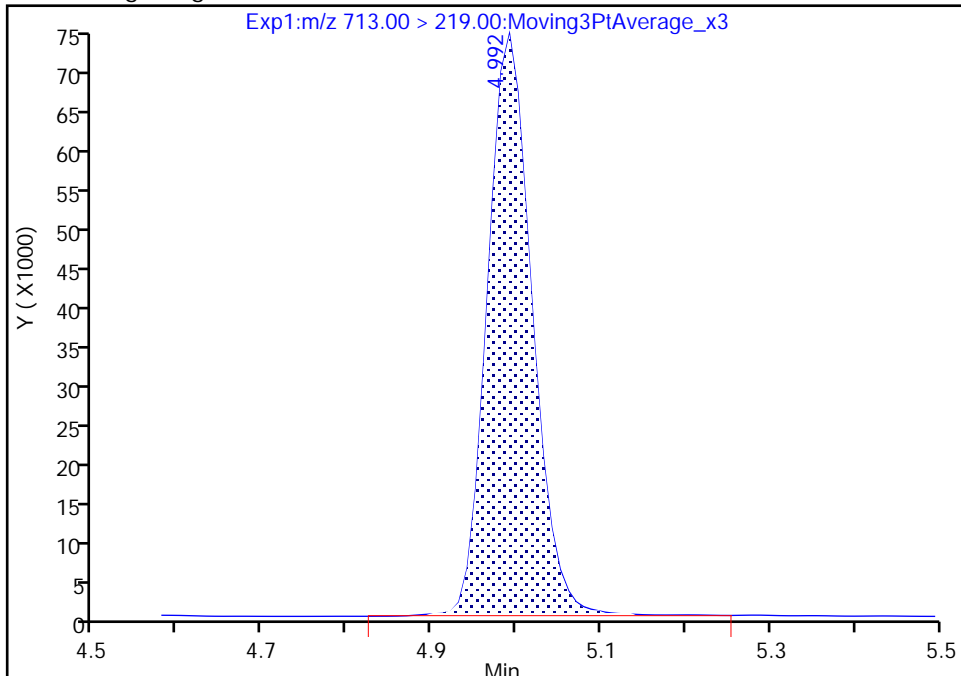
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

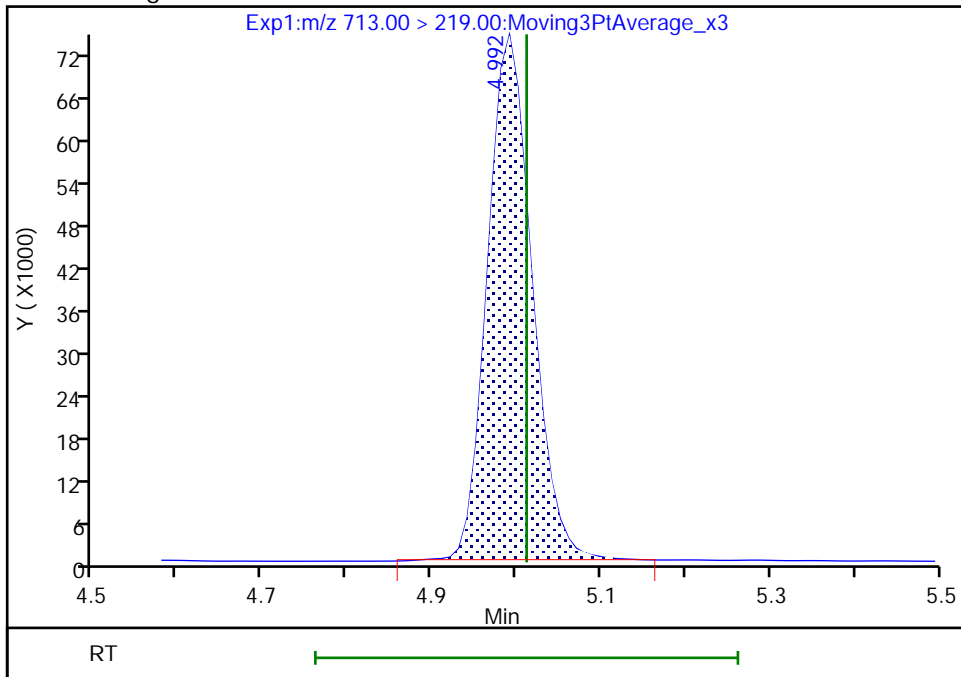
RT: 4.99
Area: 276118
Amount: 0.893359
Amount Units: ng/ml

Processing Integration Results



RT: 4.99
Area: 274234
Amount: 0.901436
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 16:31:37
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

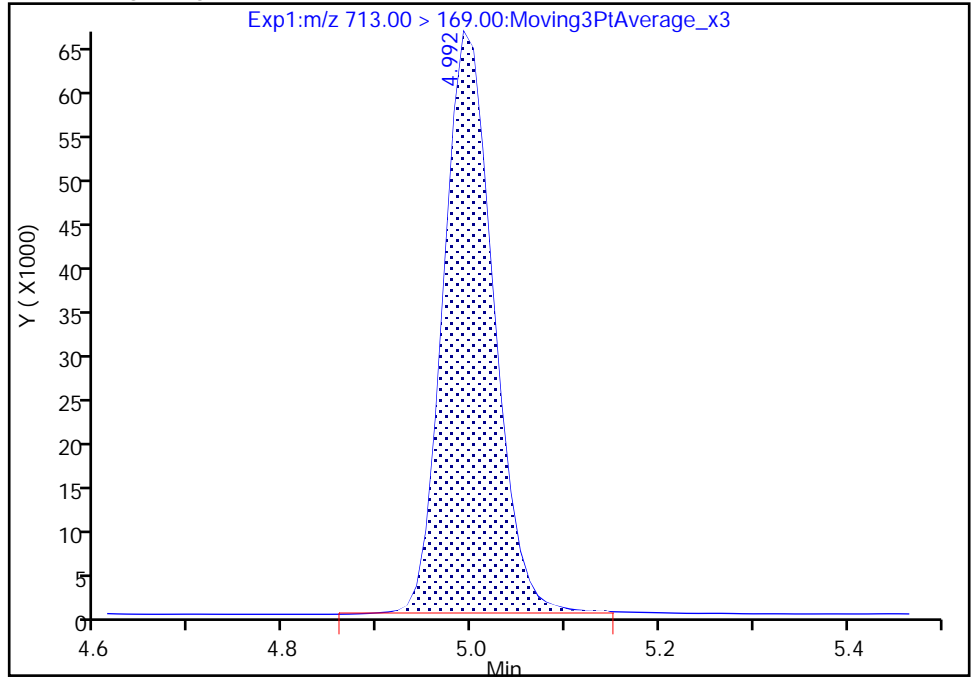
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

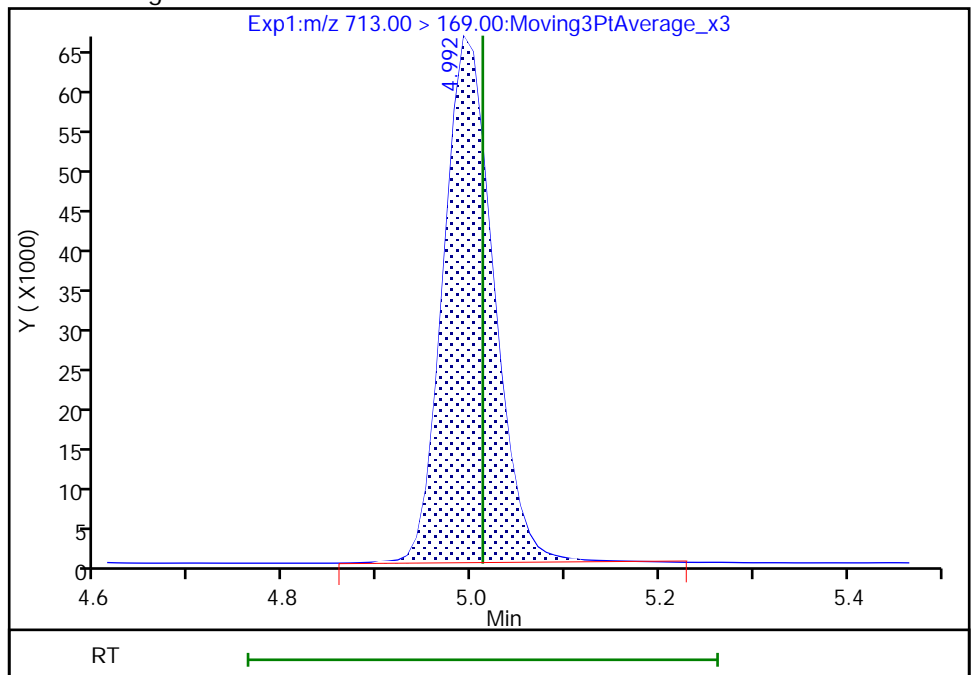
RT: 4.99
Area: 245527
Amount: 0.893359
Amount Units: ng/ml

Processing Integration Results



RT: 4.99
Area: 247747
Amount: 0.901436
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 16:31:45

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

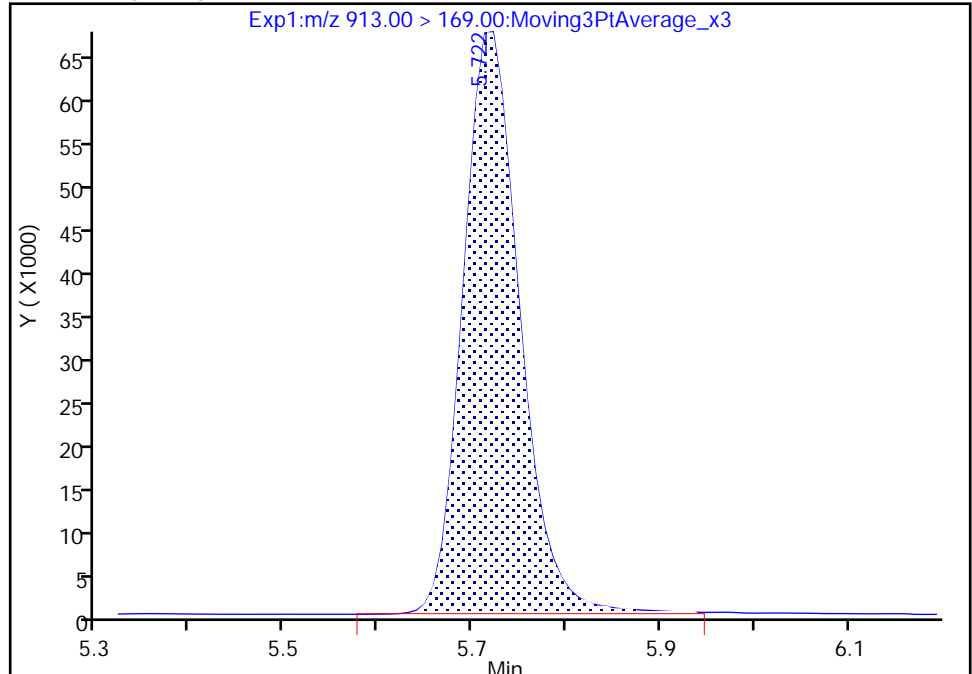
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

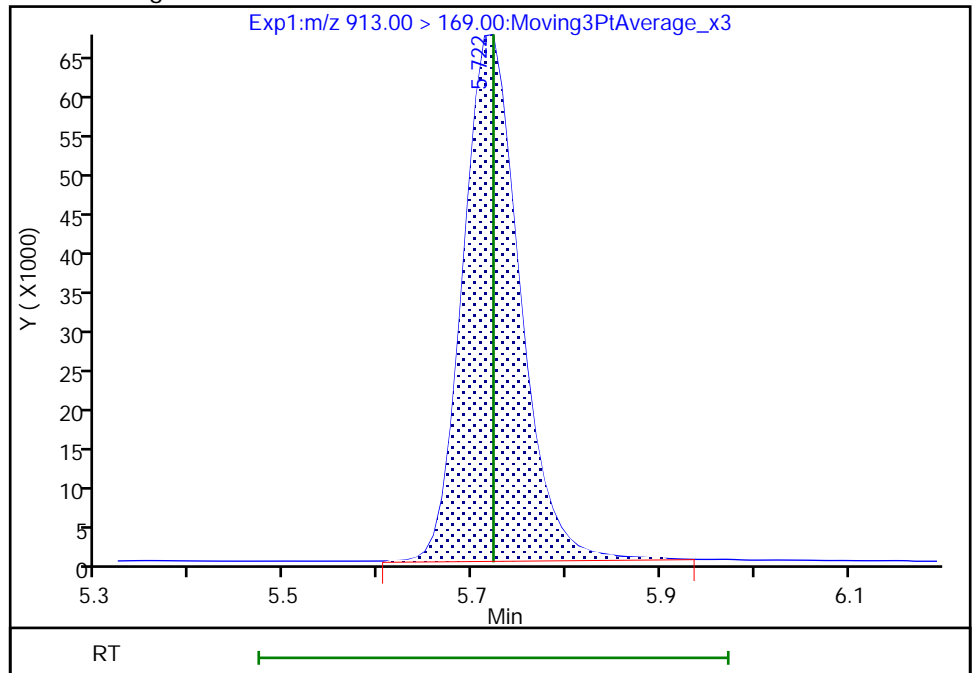
RT: 5.72
Area: 283506
Amount: 0.981338
Amount Units: ng/ml

Processing Integration Results



RT: 5.72
Area: 282163
Amount: 0.966246
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 16:32:01
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

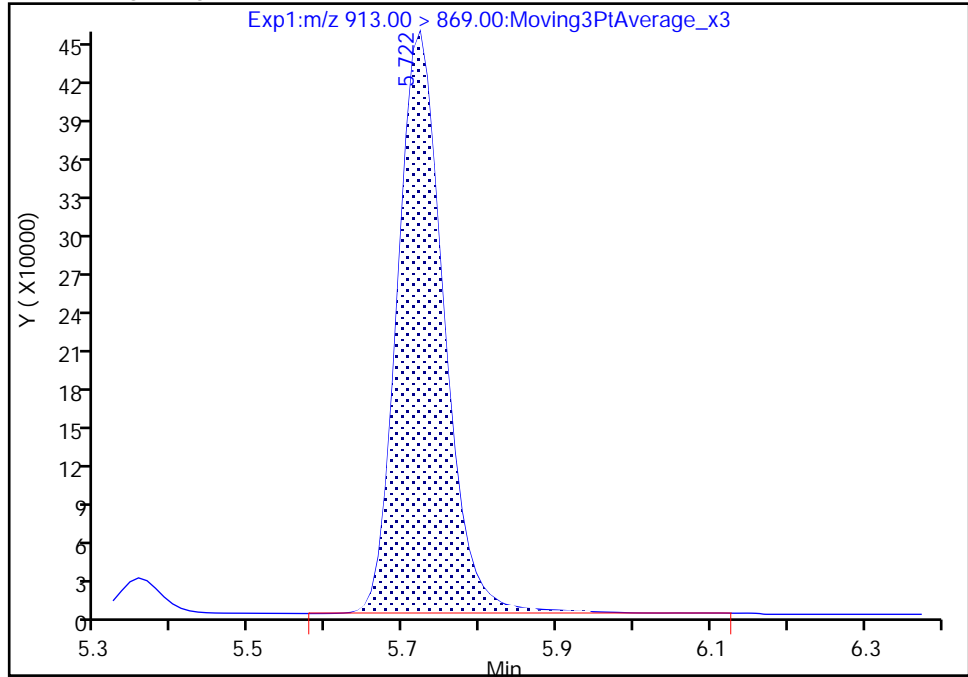
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A19.d
Injection Date: 08-Dec-2022 17:15:48 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

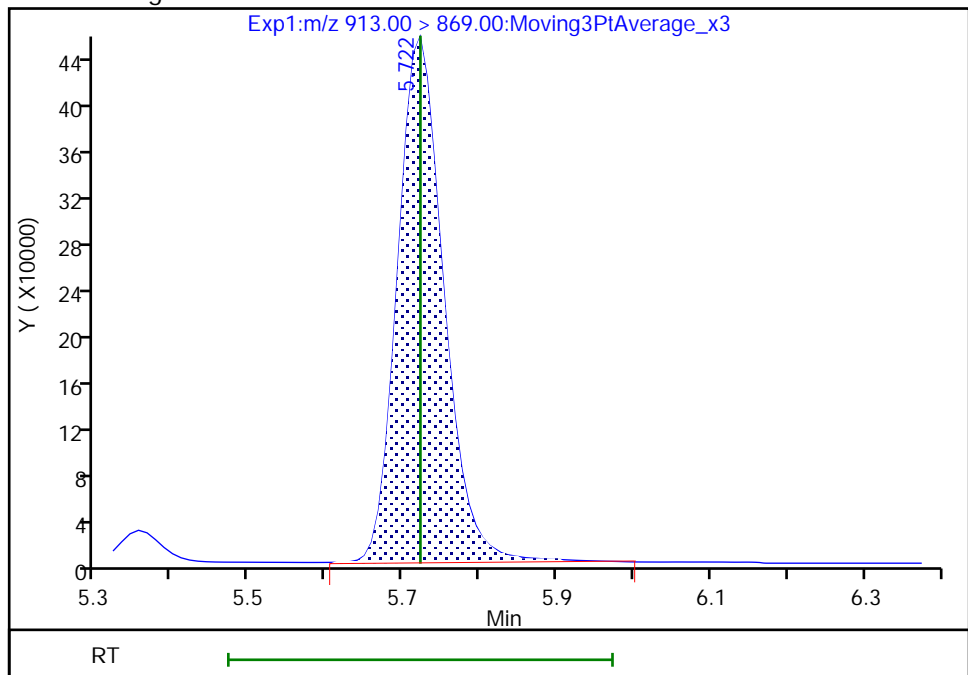
RT: 5.72
Area: 1932153
Amount: 0.981338
Amount Units: ng/ml

Processing Integration Results



RT: 5.72
Area: 1902440
Amount: 0.966246
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 16:32:07

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Lab Sample ID: CCV 200-186513/30 Calibration Date: 12/08/2022 18:45
 Instrument ID: LC812 Calib Start Date: 11/18/2022 14:29
 GC Column: C-18 ID: 4.60 (mm) Calib End Date: 11/18/2022 15:10
 Lab File ID: PA221208A30.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	1.031	0.9089		2.20	2.50	-11.9	
Perfluoropentanoic acid (PFPeA)	AveID	1.090	1.020		2.34	2.50	-6.4	
Perfluorobutanesulfonic acid (PFBS)	AveID	1.144	1.063		2.05	2.21	-7.1	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	3.081	2.745		2.08	2.34	-10.9	
Perfluorohexanoic acid (PFHxA)	AveID	1.090	0.9665		2.22	2.50	-11.3	
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.335	1.253		2.20	2.35	-6.2	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.056	0.9717		2.30	2.50	-8.0	
Perfluoroheptanoic acid (PFHpA)	AveID	1.089	1.010		2.32	2.50	-7.3	
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.129	1.061		2.14	2.28	-6.0	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	5.507	5.069		2.17	2.36	-8.0	
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.397	1.335		2.28	2.38	-4.4	
6:2 FTS	L1ID		2.054		2.29	2.37	-3.3	30.0
Perfluorooctanoic acid (PFOA)	AveID	1.069	1.010		2.36	2.50	-5.5	
Perfluorooctanesulfonic acid (PFOS)	AveID	1.216	1.111		2.12	2.32	-8.7	
Perfluorononanoic acid (PFNA)	AveID	1.037	0.9290		2.24	2.50	-10.4	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	AveID	2.791	2.658		2.22	2.33	-4.8	
Perfluorononanesulfonic acid (PFNS)	AveID	0.9179	0.8682		2.27	2.40	-5.4	
Perfluorodecanoic acid (PFDA)	AveID	1.084	1.000		2.31	2.50	-7.8	
8:2 FTS	AveID	1.617	1.645		2.44	2.40	1.7	
Perfluorooctanesulfonamide (FOSA)	AveID	1.045	0.9606		2.30	2.50	-8.1	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	L1ID		0.8293		2.40	2.50	-4.1	30.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.7248	0.7090		2.36	2.41	-2.2	
Perfluoroundecanoic acid (PFUnA)	AveID	1.008	1.013		2.51	2.50	0.6	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.8953	0.8389		2.34	2.50	-6.3	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF)	AveID	4.303	4.171		2.28	2.36	-3.1	
Perfluorododecanoic acid (PFDoA)	AveID	1.059	0.9050		2.14	2.50	-14.6	
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	AveID	0.9717	0.9677		2.40	2.41	-0.4	
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.3067	0.3123		2.47	2.42	1.8	

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Lab Sample ID: CCV 200-186513/30 Calibration Date: 12/08/2022 18:45
 Instrument ID: LC812 Calib Start Date: 11/18/2022 14:29
 GC Column: C-18 ID: 4.60 (mm) Calib End Date: 11/18/2022 15:10
 Lab File ID: PA221208A30.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorotridecanoic acid (PFTriA)	AveID	1.013	0.8901		2.20	2.50	-12.2	
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1369	0.1218		2.23	2.50	-11.0	
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		0.9032		2.44	2.50	-2.5	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.8236	0.7703		2.34	2.50	-6.5	
13C4 PFBA	Ave	1.122	1.047		1.17	1.25	-6.7	
13C3 PFBS	Ave	0.9281	0.9266		1.16	1.16	-0.2	
13C5 PFPeA	Ave	0.8543	0.8127		1.19	1.25	-4.9	
M2-4:2 FTS	Ave	0.0820	0.0832		1.19	1.17	1.5	
13C2 PFHxA	Ave	0.8951	0.8865		1.24	1.25	-1.0	
13C3 HFPO-DA	Ave	0.1580	0.1539		1.22	1.25	-2.6	
13C4 PFHpA	Ave	0.9206	0.8916		1.21	1.25	-3.2	50.0
18O2 PFHxS	Ave	0.6761	0.6933		1.21	1.18	2.5	50.0
M2-6:2 FTS	Ave	0.1134	0.1149		1.20	1.19	1.4	
13C4 PFOA	Ave	1.035	1.020		1.23	1.25	-1.4	50.0
13C4 PFOS	Ave	0.4588	0.4547		1.18	1.20	-0.9	50.0
13C5 PFNA	Ave	1.006	1.010		1.26	1.25	0.4	50.0
13C2 PFDA	Ave	1.025	1.076		1.31	1.25	5.0	
M2-8:2 FTS	Ave	0.1387	0.1372		1.18	1.20	-1.1	
13C8 FOSA	Ave	0.8403	0.8718		1.30	1.25	3.8	
d3-NMeFOSAA	Ave	0.2087	0.2213		1.33	1.25	6.1	
13C2 PFUnA	Ave	0.9385	0.9185		1.22	1.25	-2.1	
d5-NEtFOSAA	Ave	0.2055	0.2138		1.30	1.25	4.0	
13C2 PFDoA	Ave	0.9562	0.9910		1.30	1.25	3.6	
13C2 PFTeDA	Ave	0.8270	0.8663		1.31	1.25	4.8	
13C2 PFHxDA	Ave	1.022	1.118		1.37	1.25	9.3	

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
 Lims ID: CCV L5
 Client ID:
 Sample Type: CCV
 Inject. Date: 08-Dec-2022 18:45:45 ALS Bottle#: 27 Worklist Smp#: 30
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: CCV L5
 Misc. Info.: 200-0053607-030 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 13-Dec-2022 09:03:59 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1634

First Level Reviewer: nampitakw Date: 09-Dec-2022 18:00:49

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA	217.00 > 172.00	2.085	2.076	0.009	0.606	2675363	1.17	93.3	9639	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.076	0.009	1.000	4863131	2.20		88.1	481	M
D 3 13C5 PFPeA	267.90 > 223.00	2.400	2.387	0.013	0.698	2077398	1.19	95.1	3369	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.400	2.387	0.013	1.000	4239507	2.34		93.6	117	M
D 47 13C3 PFBS	301.90 > 80.00	2.400	2.400	0.0	0.698	2202811	1.16	99.8	239030	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.414	2.400	0.014	1.006	4451640	2.05	Target=2.09	92.9	5347	M
298.90 > 99.00	2.414	2.400	0.014	1.006	2072461		2.15(1.04-3.13)		1573	
61 1H,1H,2H,2H-perfluorohexanesulfo	327.00 > 307.00	2.701	2.689	0.012	1.000	1091065	2.08	89.1	3640	
D 60 M2-4:2 FTS	329.00 > 81.00	2.701	2.689	0.012	0.785	198750	1.19	102	219	
D 7 13C2 PFHxA	315.00 > 270.00	2.726	2.725	0.001	0.793	2265943	1.24	99.0	6082	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.738	2.725	0.013	1.004	4379865	2.22	Target=14.25	88.7	937	M
313.00 > 119.00	2.738	2.725	0.013	1.004	309568		14.15(7.12-21.37)		501	M
70 Perfluoropentanesulfonic acid	349.00 > 80.00	2.738	2.737	0.001	0.887	4166274	2.20	Target=3.04	93.8	6798
349.00 > 99.00	2.738	2.737	0.001	0.887	1378669		3.02(1.52-4.56)		2106	
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.835	2.835	0.0	1.000	764701	2.30		92.0	3253	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.835	2.835	0.0	0.824	393469	1.22		97.4	2115	
D 11 18O2 PFHxS										
403.00 > 84.00	3.088	3.088	0.0	0.898	1676503	1.21		103	3797	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.088	3.088	0.0	1.000	3422081	2.14	Target=3.66	94.0	2717	M
399.00 > 99.00	3.088	3.088	0.0	1.000	993087		3.45(1.83-5.49)		994	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.088	3.099	-0.011	0.898	2278992	1.21		96.8	4984	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.088	3.099	-0.011	1.000	4602251	2.32	Target=3.97	92.7	924	M
363.00 > 169.00	3.088	3.099	-0.011	1.000	1181675		3.89(1.98-5.95)		1805	
77 DONA										
377.00 > 251.00	3.121	3.132	-0.011	0.833	11099174	2.17	Target=3.16	92.0	5550	M
377.00 > 85.00	3.121	3.132	-0.011	0.833	3662523		3.03(1.58-4.73)		2869	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.422	3.439	-0.017	0.995	279138	1.20		101	683	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.431	3.439	-0.008	1.003	1144320	2.29		96.7	3490	M
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.422	3.439	-0.017	0.914	2954577	2.27	Target=5.14	95.6	2749	M
449.00 > 99.00	3.422	3.439	-0.017	0.914	603542		4.90(2.57-7.72)		1833	M
D 14 13C4 PFOA										
417.00 > 372.00	3.439	3.448	-0.009	1.000	2607613	1.23		98.6	6545	
* 62 13C2 PFOA										
415.00 > 370.00	3.439	3.448	-0.009		2556193	1.25			6031	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.439	3.448	-0.009	1.000	5268471	2.36	Target=2.79	94.5	371	M
413.00 > 169.00	3.439	3.448	-0.009	1.000	1876315		2.81(1.40-4.19)		1611	M
D 18 13C4 PFOS										
503.00 > 80.00	3.745	3.764	-0.019	1.089	1111187	1.18		99.1	1866	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.755	3.764	-0.009	1.003	2396351	2.12	Target=5.11	91.3	1111	M
499.00 > 99.00	3.745	3.764	-0.019	1.000	521329		4.60(2.55-7.66)		1010	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.774	3.783	-0.009	1.003	4797705	2.24	Target=8.55	89.6	945	
463.00 > 169.00	3.764	3.783	-0.019	1.000	595890		8.05(4.28-12.83)		2386	
D 19 13C5 PFNA										
468.00 > 423.00	3.764	3.783	-0.019	1.094	2582314	1.26		100	8211	M
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.916	3.928	-0.012	1.046	5758206	2.22		95.2	6381	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.042	4.050	-0.008	1.079	1937554	2.27	Target=2.53	94.6	3585	
549.00 > 99.00	4.042	4.050	-0.008	1.079	795257		2.44(1.27-3.80)		3202	M
D 23 13C2 PFDA										
515.00 > 470.00	4.071	4.081	-0.010	1.184	2751520	1.31		105	5960	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.071	4.081	-0.010	1.000	5501511	2.30	Target=10.26	92.2	1624	
513.00 > 169.00	4.071	4.081	-0.010	1.000	536086		10.26(5.13-15.38)		1072	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.082	4.093	-0.011	1.187	335896	1.18		98.9	1135	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.082	4.093	-0.011	1.000	1105211	2.44		102	8307	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.139	4.150	-0.011	1.003	4281463	2.30		91.9	4508	
D 21 13C8 FOSA										
506.00 > 78.00	4.127	4.150	-0.023	1.200	2228493	1.30		104	2733	
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.218	4.228	-0.010	1.226	565784	1.33		106	570	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.218	4.228	-0.010	1.000	938433	2.40		95.9	763	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.309	4.331	-0.022	1.150	1588825	2.36	Target=2.51	97.8	4189	
599.00 > 99.00	4.309	4.331	-0.022	1.150	610265		2.60(1.25-3.76)		1387	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.342	4.353	-0.011	1.263	2347955	1.22		97.9	3878	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.342	4.353	-0.011	1.000	4759126	2.51	Target=9.88	101	2156	
563.00 > 169.00	4.342	4.353	-0.011	1.000	460933		10.32(4.94-14.82)		2441	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.354	4.365	-0.011	1.000	916847	2.34		93.7	587	M
D 32 d5-NEtFOSAA										M
589.00 > 419.00	4.354	4.365	-0.011	1.266	546469	1.30		104	1225	M
66 11-Chloroeicosafuoro-3-oxaundec										M
631.00 > 451.00	4.443	4.454	-0.011	1.186	9132780	2.28		96.9	9550	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.580	4.591	-0.011	1.000	4585166	2.14	Target=7.77	85.4	352	M
613.00 > 169.00	4.580	4.591	-0.011	1.000	635442		7.22(3.89-11.66)		1476	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.580	4.591	-0.011	1.332	2533260	1.30		104	3871	
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.602	4.612	-0.010	1.127	654135	2.40		99.6	2580	M
75 Perfluorododecanesulfonic acid (
699.00 > 80.00	4.758	4.776	-0.018	1.270	702752	2.46	Target=0.50	102	3535	
699.00 > 99.00	4.758	4.776	-0.018	1.270	1315590		0.53(0.25-0.76)		4363	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.795	4.804	-0.009	1.047	4509597	2.20	Target=5.21	87.8	285	M
663.00 > 169.00	4.795	4.804	-0.009	1.047	842483		5.35(2.60-7.81)		2418	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	4.992	5.012	-0.020	1.000	539537	2.22	Target=0.89	89.0	1823	M
713.00 > 219.00	4.992	5.012	-0.020	1.000	603410		0.89(0.44-1.33)		1035	M
D 43 13C2 PFTeDA										
715.00 > 670.00	4.992	5.012	-0.020	1.451	2214513	1.31		105	5185	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.367	5.367	0.0	1.002	5160710	2.44	Target=5.65	97.5	397	M
813.00 > 169.00	5.356	5.367	-0.011	1.000	843973		6.11(2.82-8.47)		3689	
D 44 13C2 PFHxDA										
815.00 > 770.00	5.356	5.367	-0.011	1.557	2856863	1.37		109	4561	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.722	5.722	0.0	1.068	4401292	2.34	Target=6.24	93.5	349	M
913.00 > 169.00	5.722	5.722	0.0	1.068	682243		6.45(3.12-9.36)		1399	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC5_00031

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromf\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d

Injection Date: 08-Dec-2022 18:45:45

Instrument ID: LC812

Lims ID: CCV L5

Client ID:

Operator ID: lc812tech

ALS Bottle#: 27

Worklist Smp#: 30

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

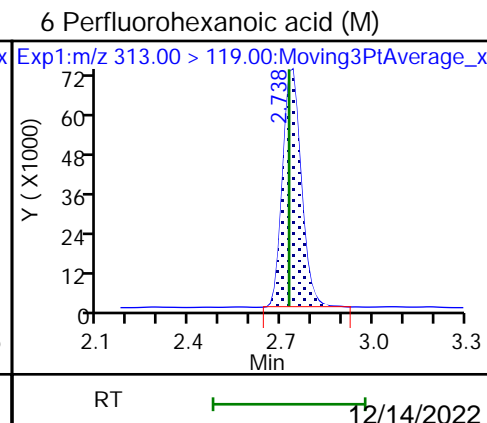
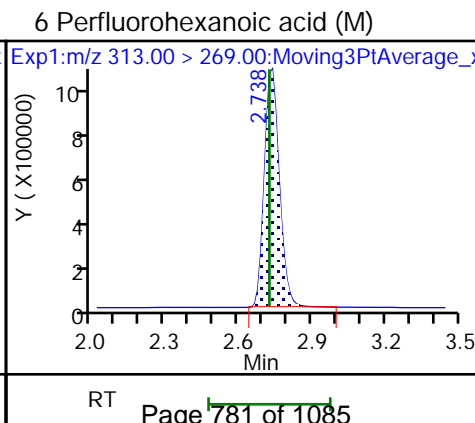
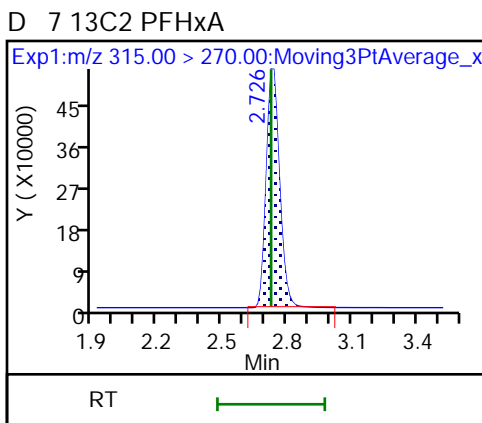
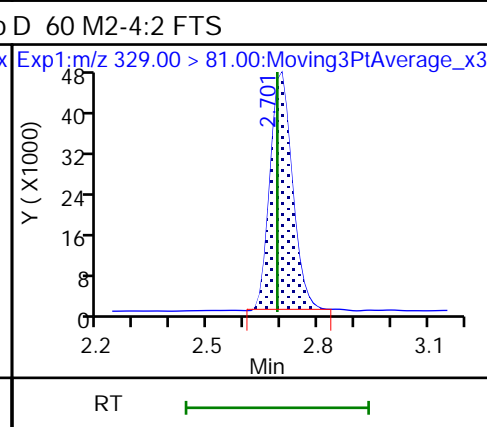
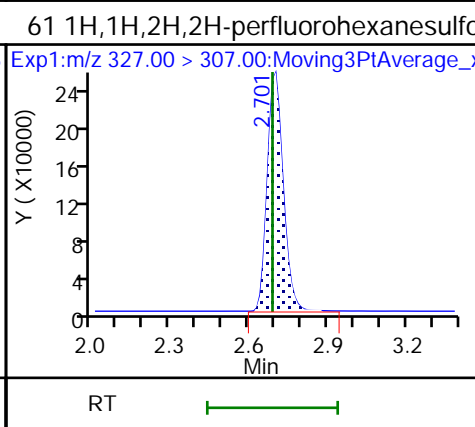
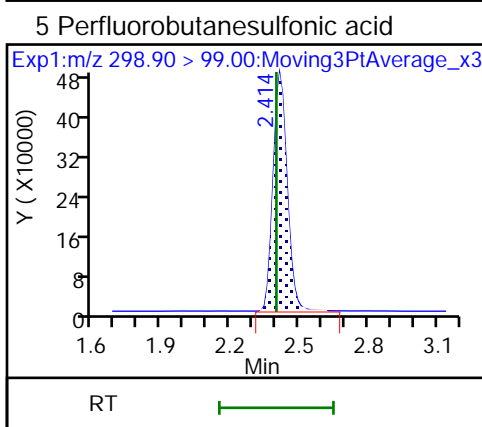
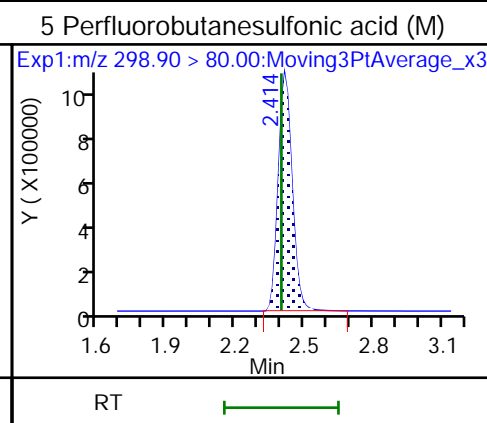
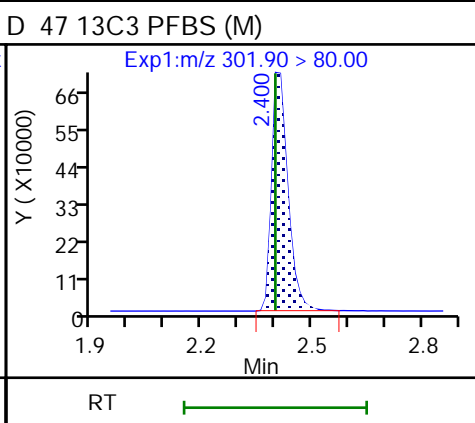
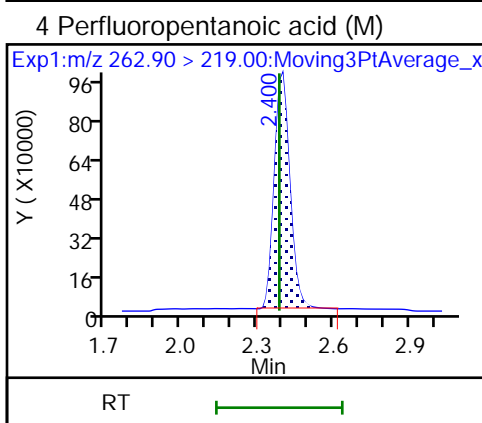
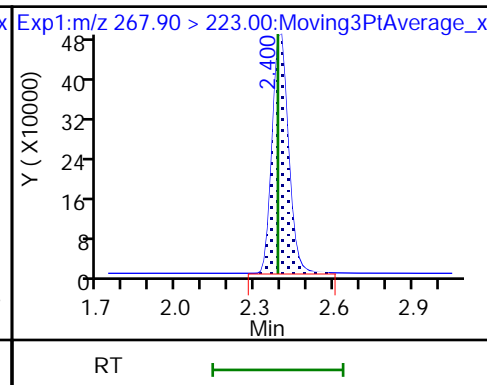
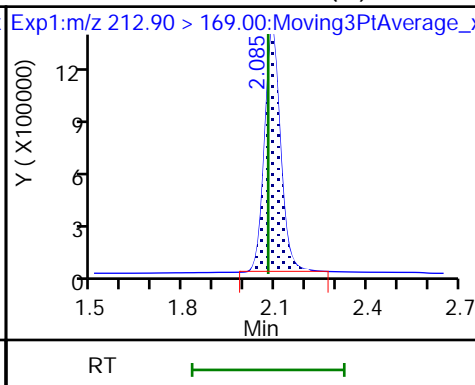
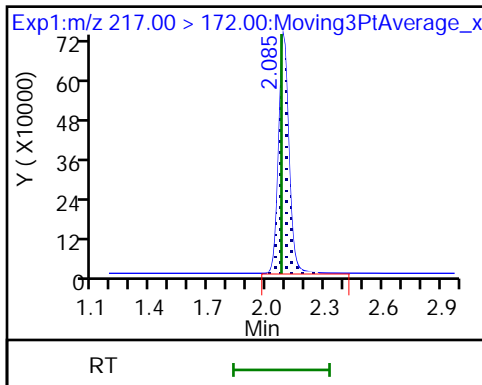
Method: PFC_LC812

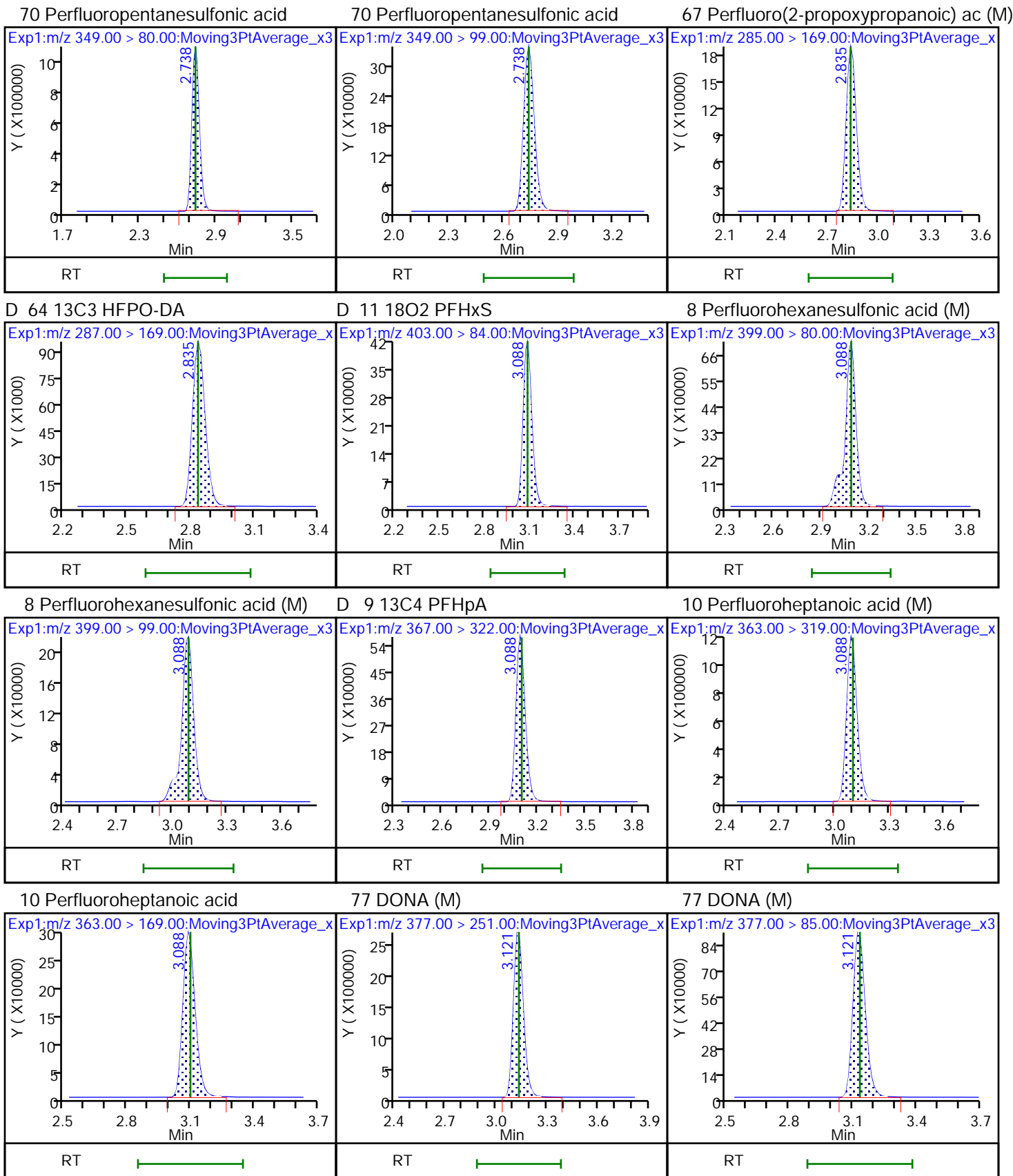
Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

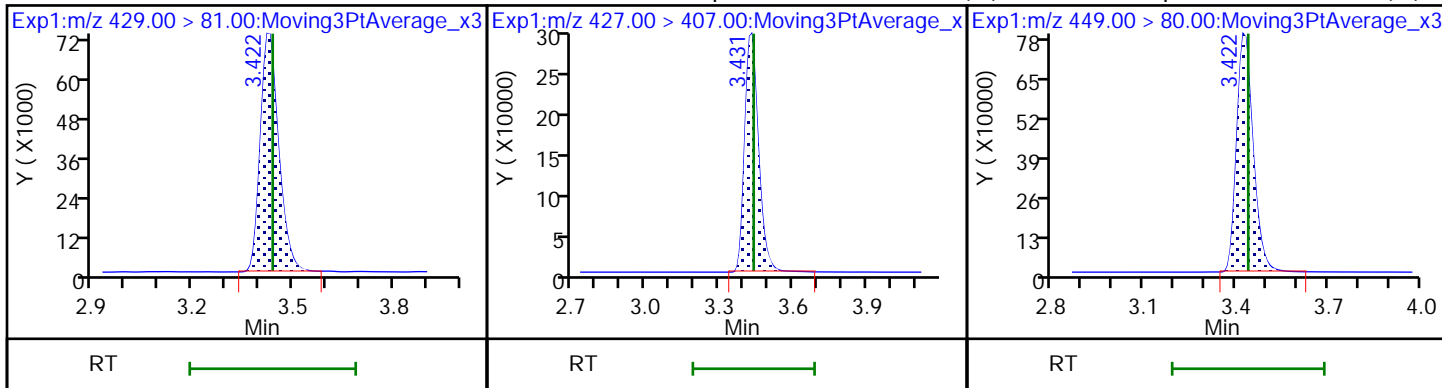
D 3 13C5 PFPeA





D 12 M2-6:2 FTS

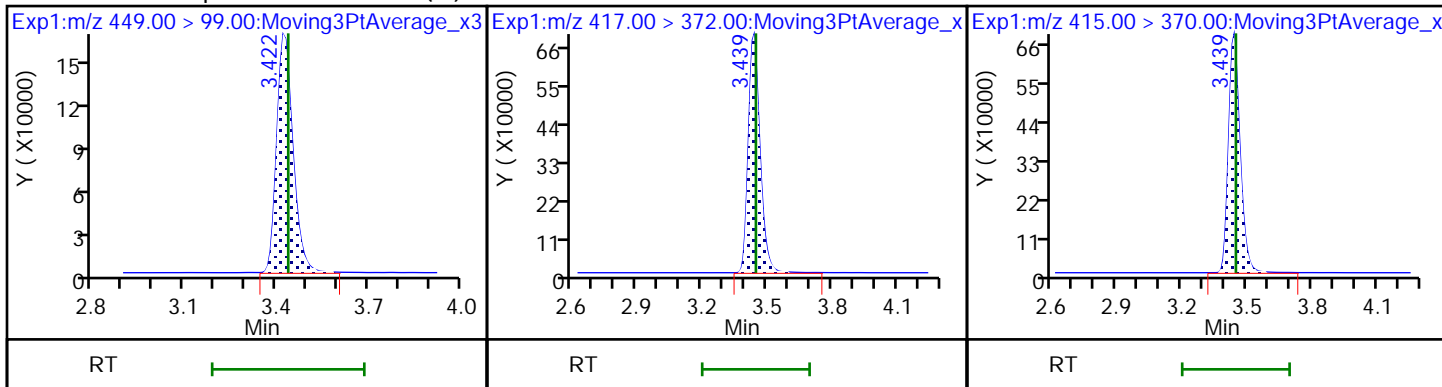
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 6 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

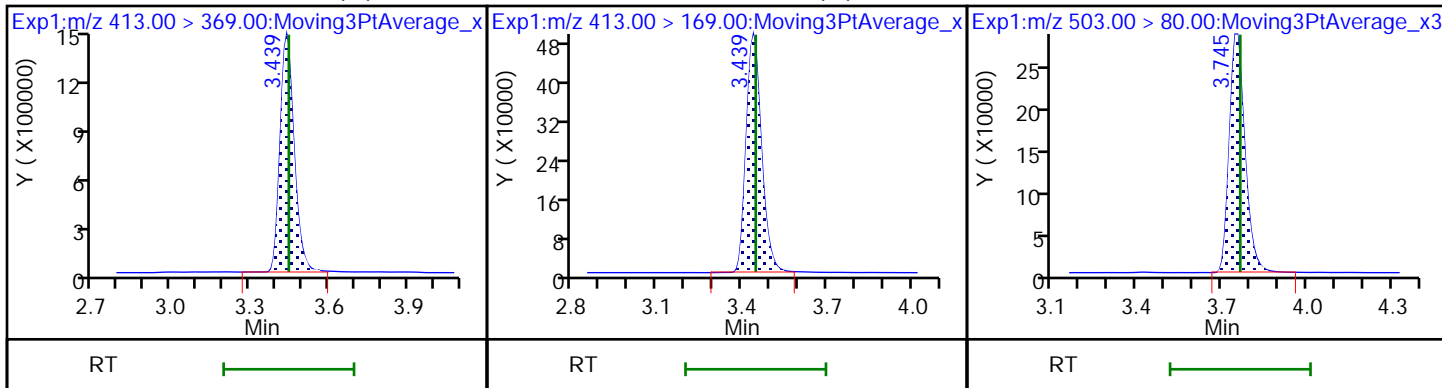
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

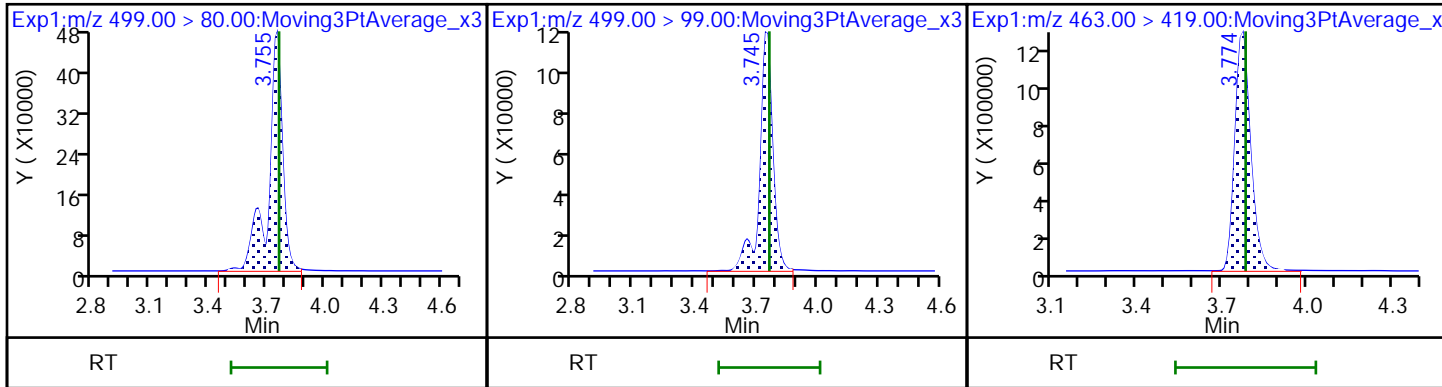
D 18 13C4 PFOS

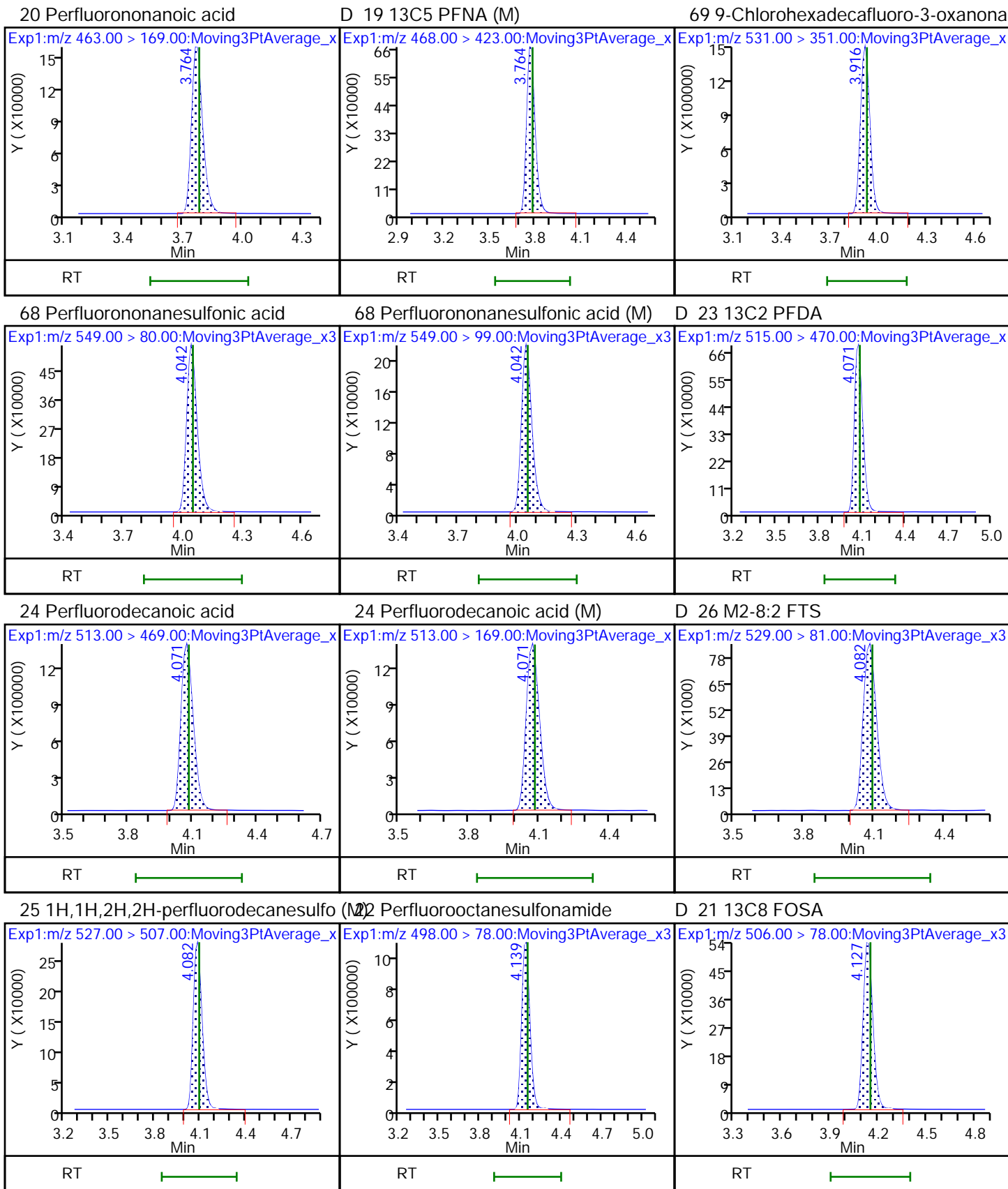


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid

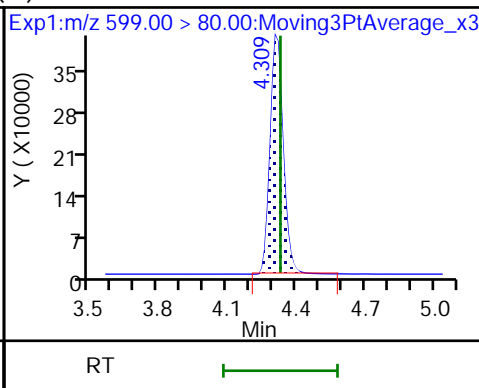
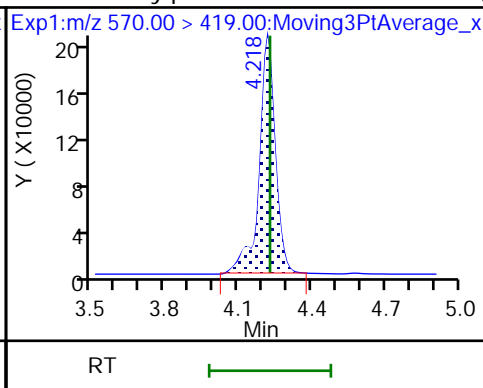
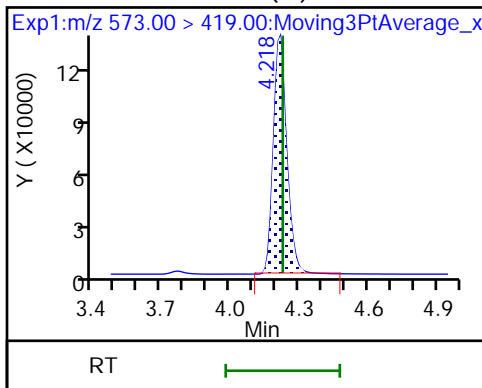




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

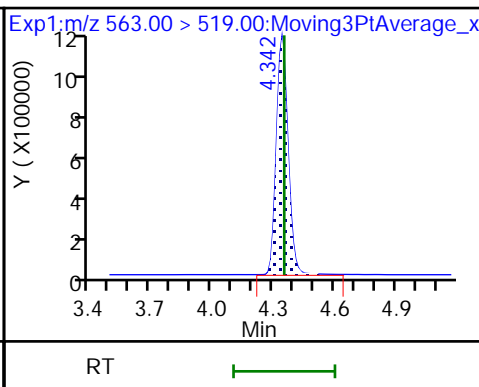
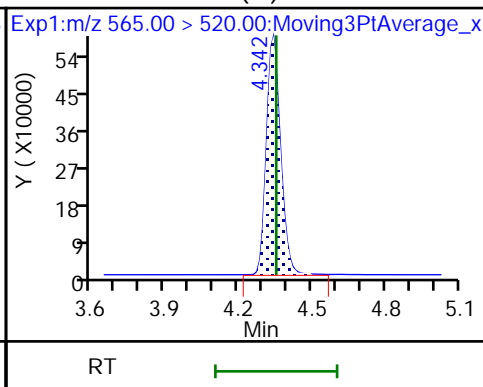
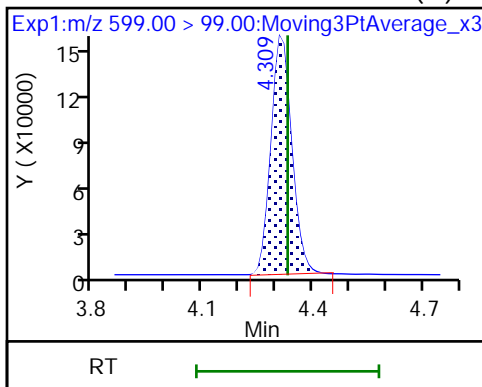
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUa (M)

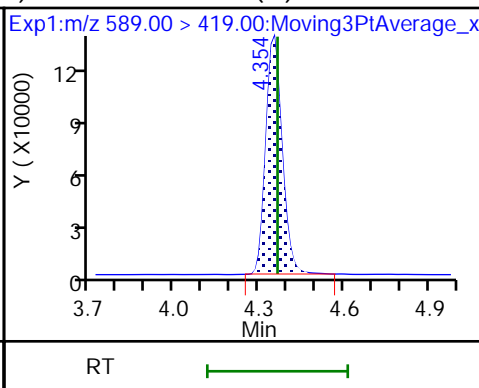
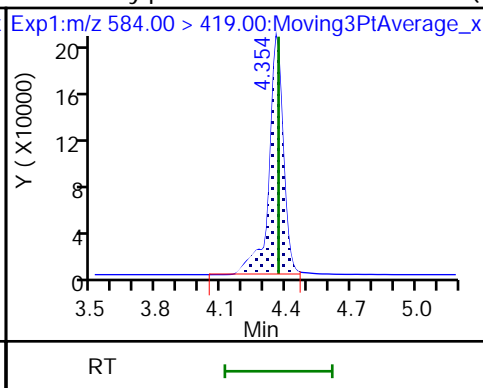
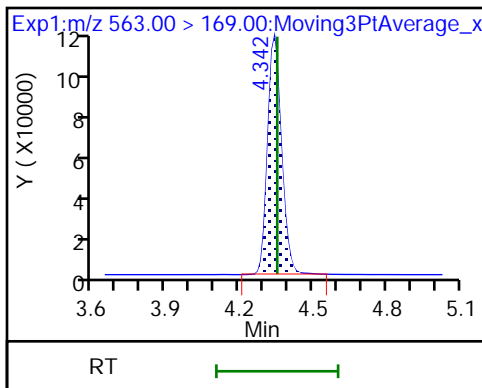
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid

33 N-ethylperfluorooctanesulfonamid (M)

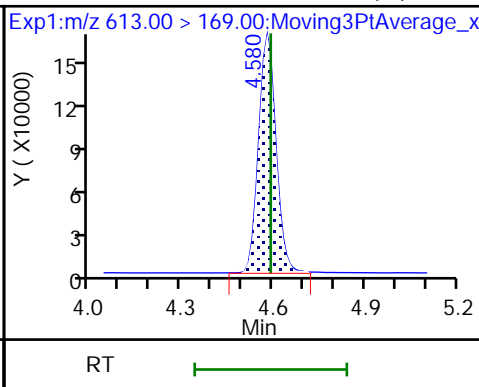
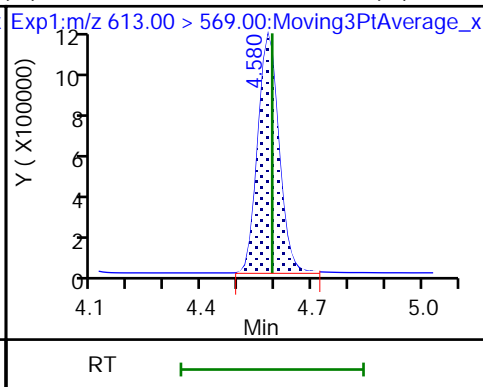
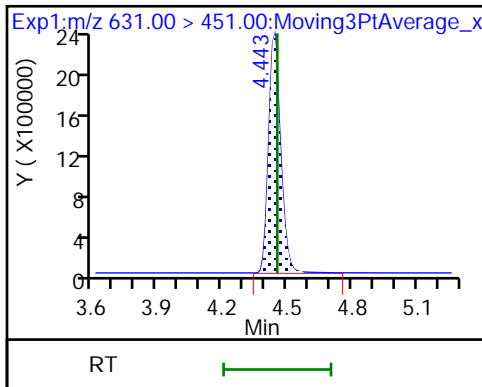
32 d5-NEtFOSAA (M)



66 11-Chloroeicosafuoro-3-oxaundec (M)

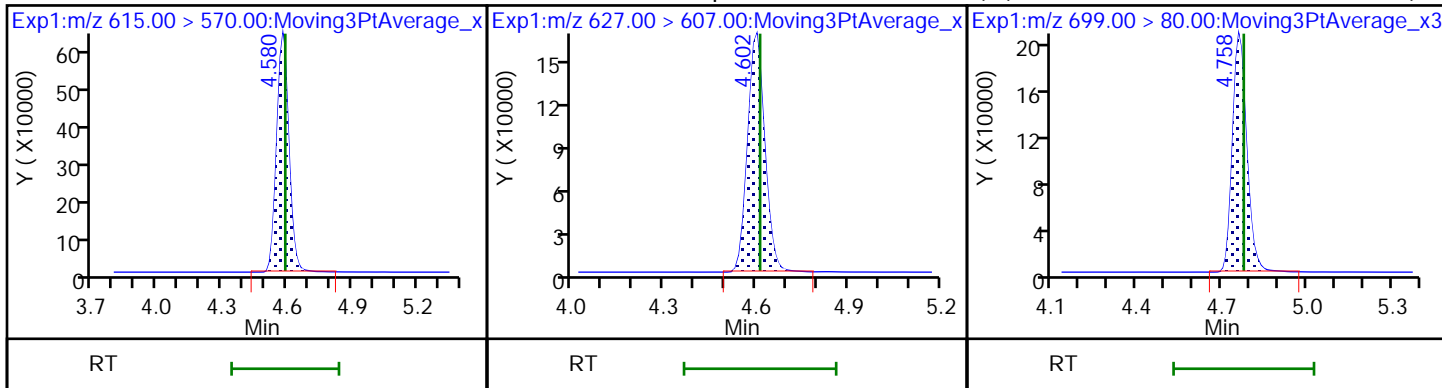
37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid (M)



D 36 13C2 PFDaA

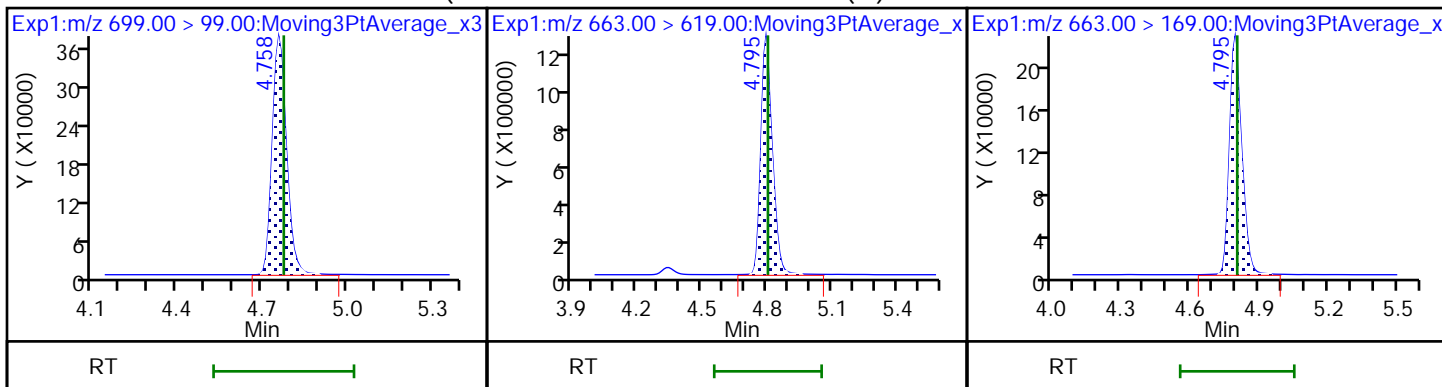
74 1H,1H,2H,2H-perfluorododecanesul (M) Perfluorododecanesulfonic acid (



75 Perfluorododecanesulfonic acid (

41 Perfluorotridecanoic acid (M)

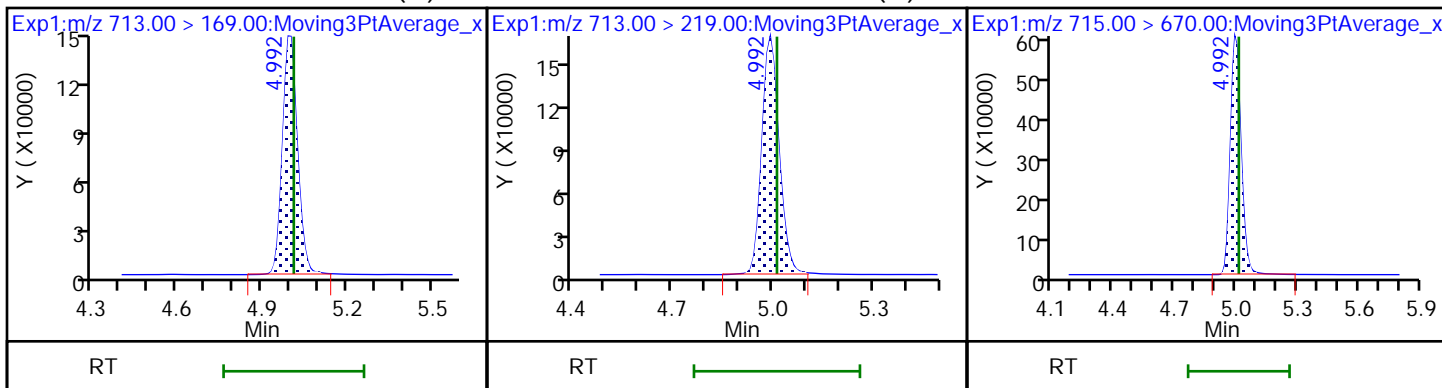
41 Perfluorotridecanoic acid



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

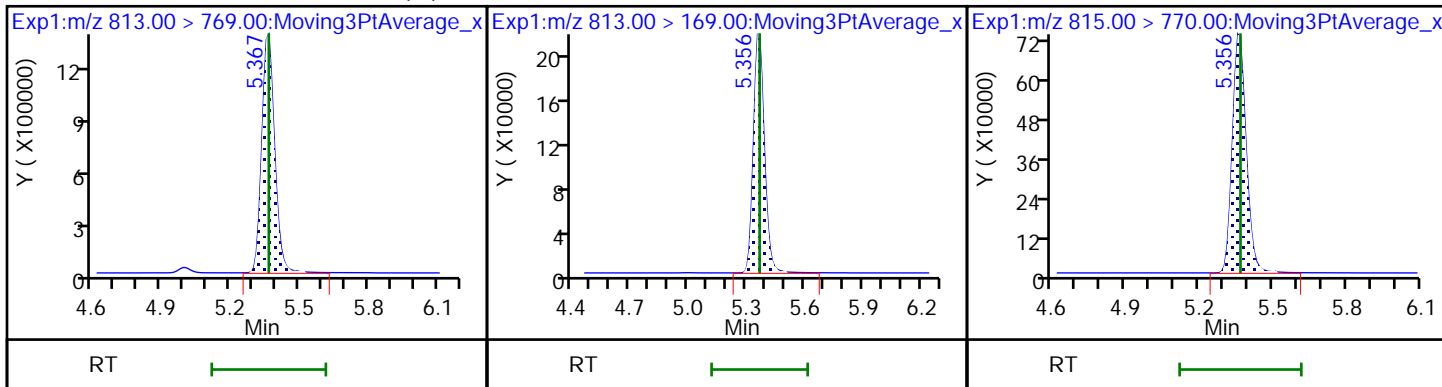
D 43 13C2 PFTeDA



45 Perfluorohexadecanoic acid (M)

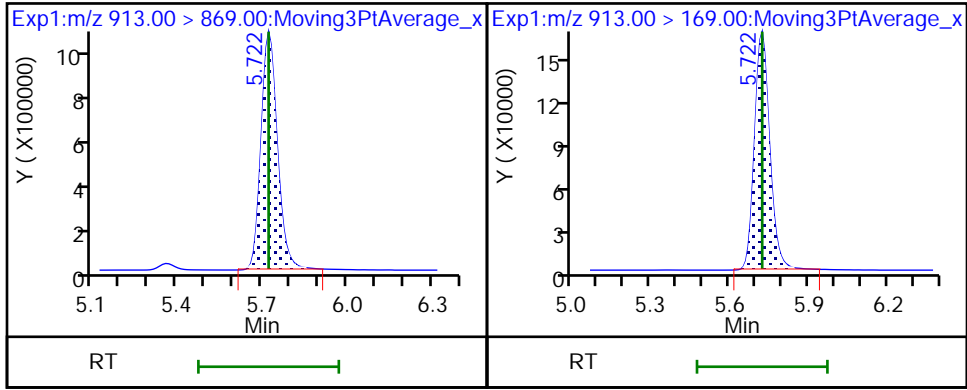
45 Perfluorohexadecanoic acid

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

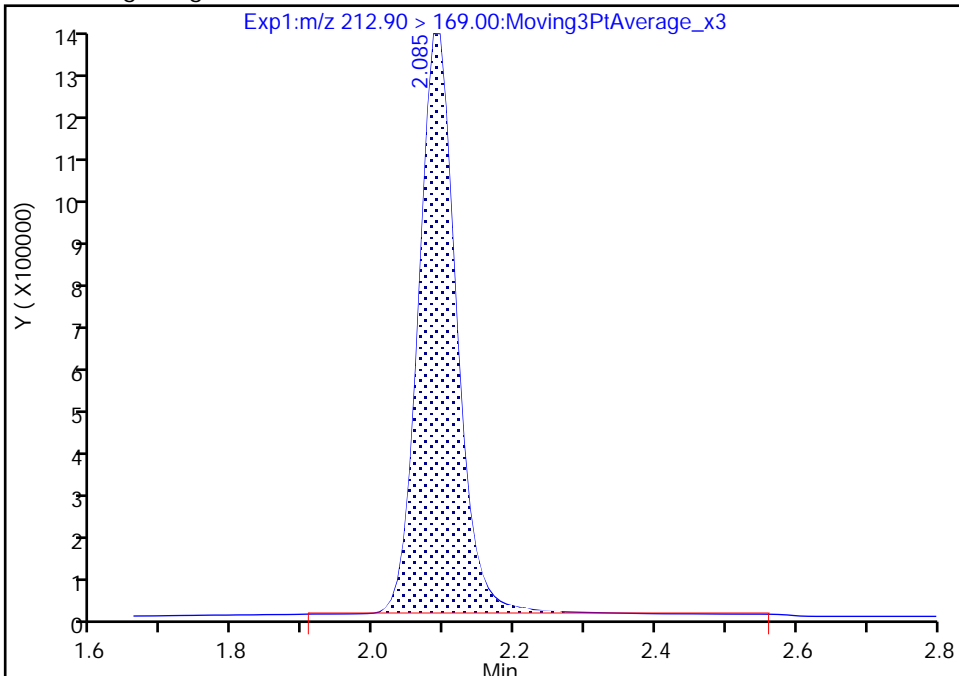
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Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

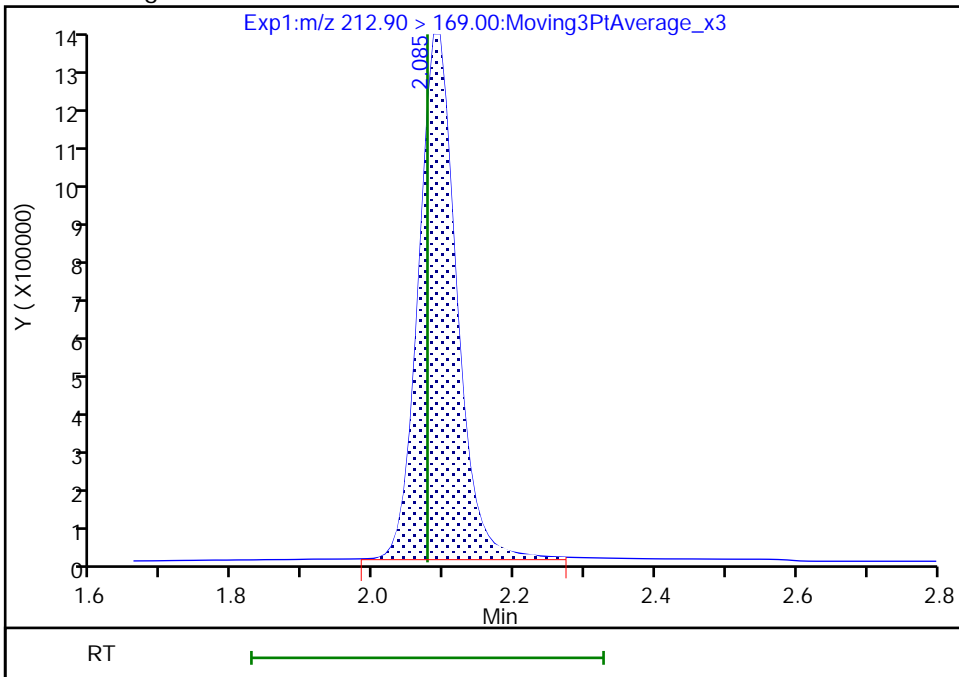
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Amount: 2.224090
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 4863131
Amount: 2.203444
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:54:45
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

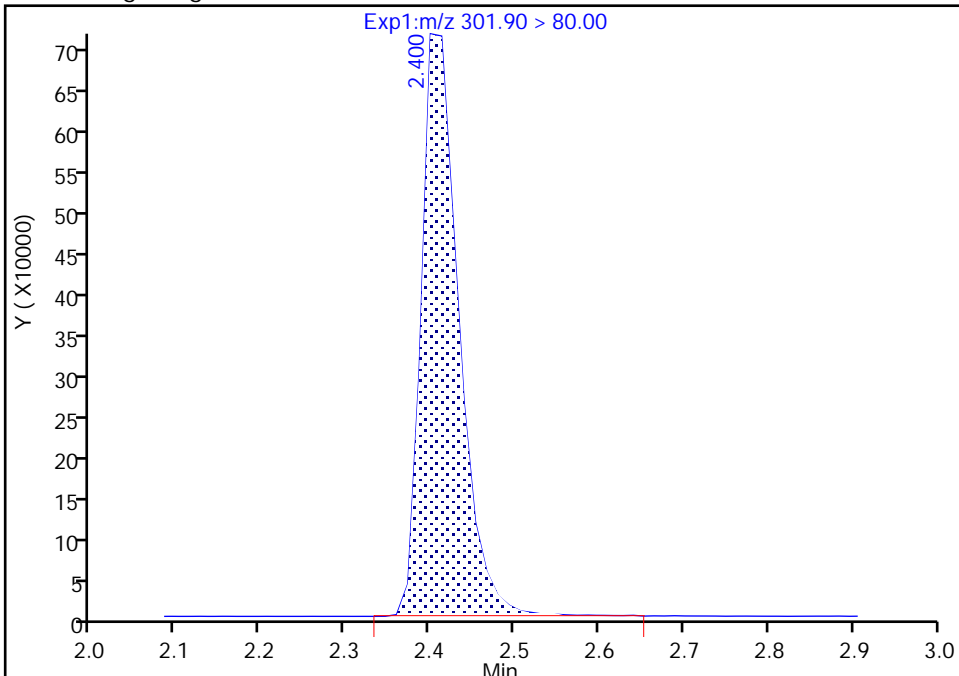
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Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

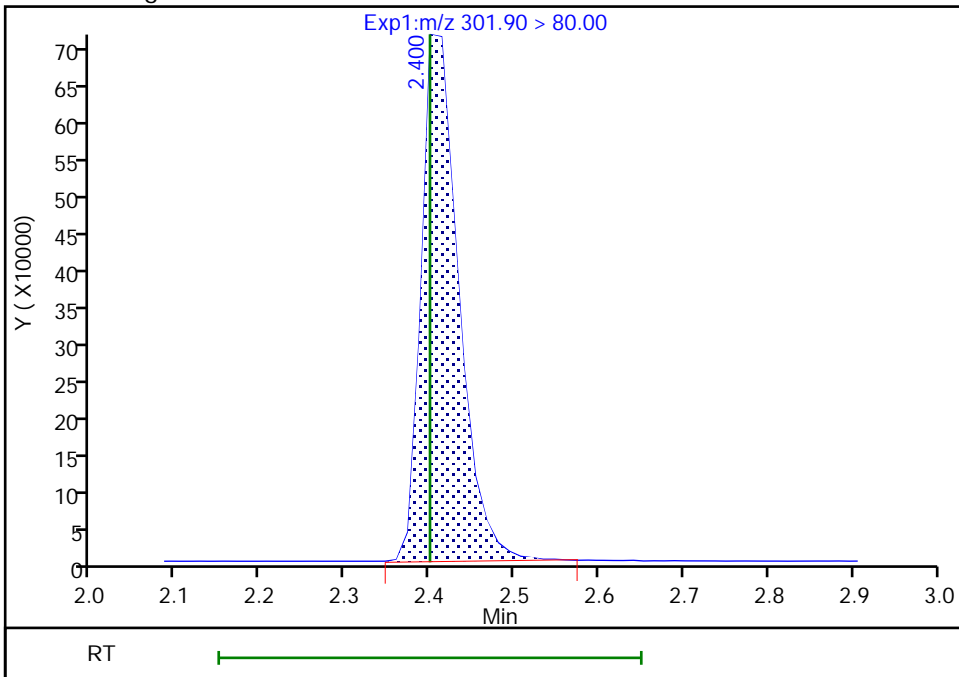
RT: 2.40
Area: 2214621
Amount: 1.166818
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 2202811
Amount: 1.160596
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:53:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

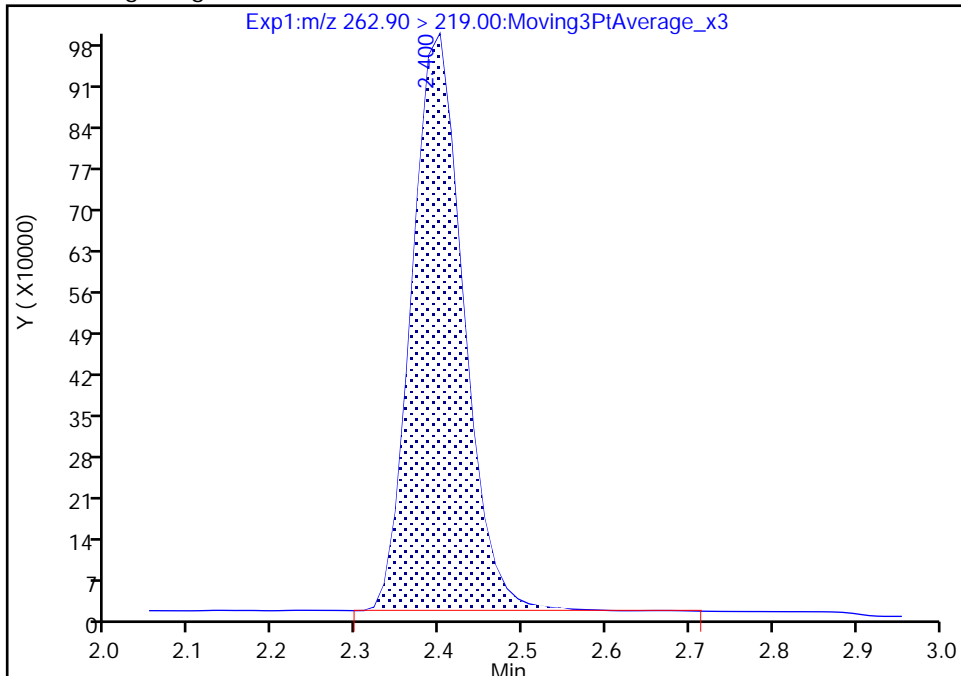
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Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

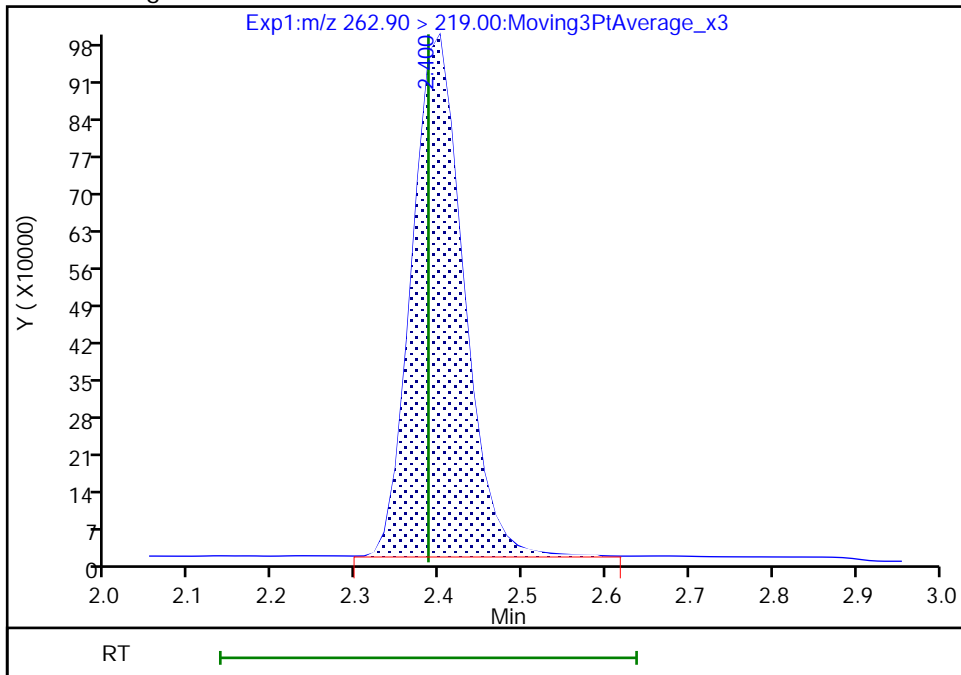
RT: 2.40
Area: 4249019
Amount: 2.345967
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 4239507
Amount: 2.340715
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:54:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

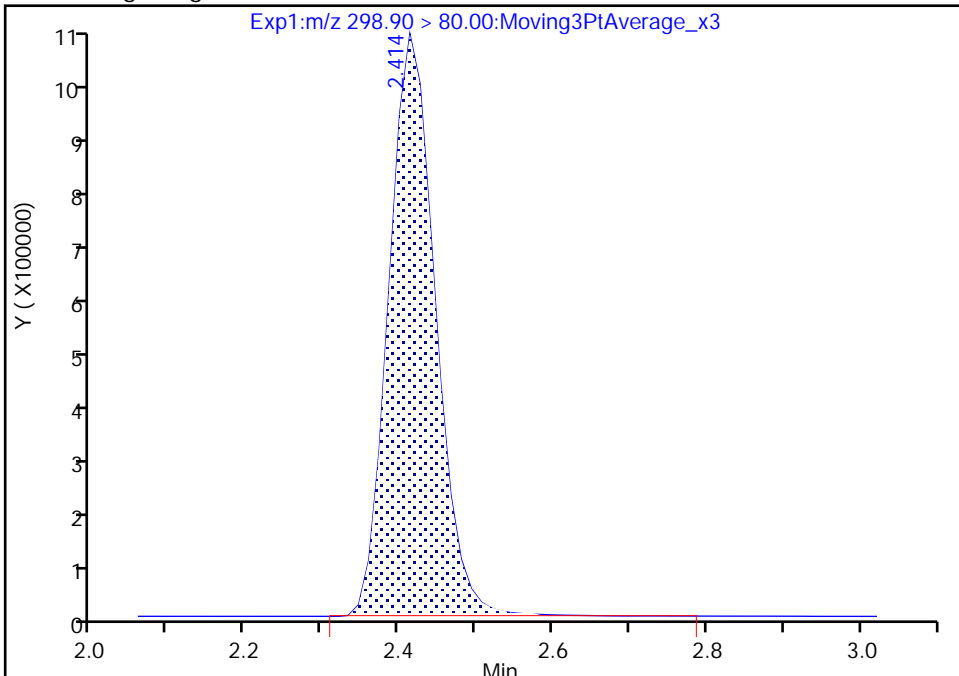
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

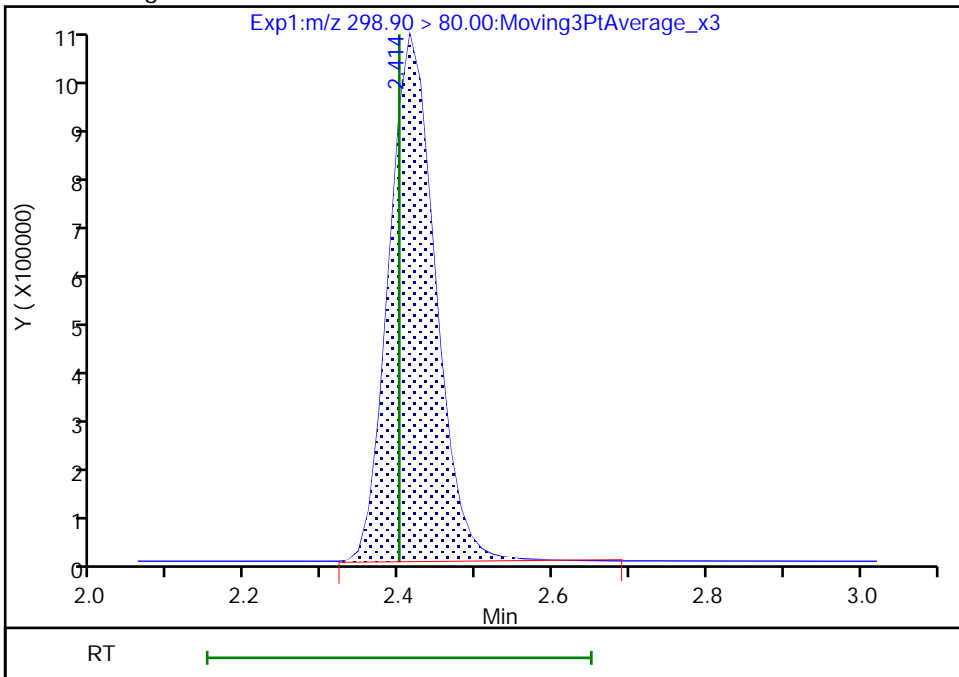
RT: 2.41
Area: 4457037
Amount: 2.055909
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 4451640
Amount: 2.053420
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:55:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

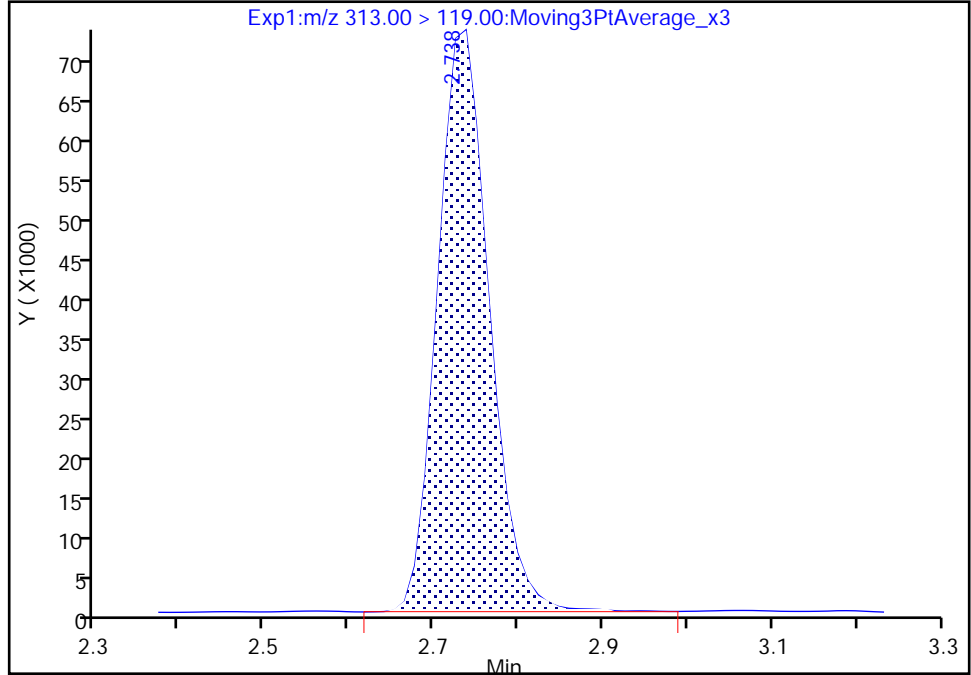
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

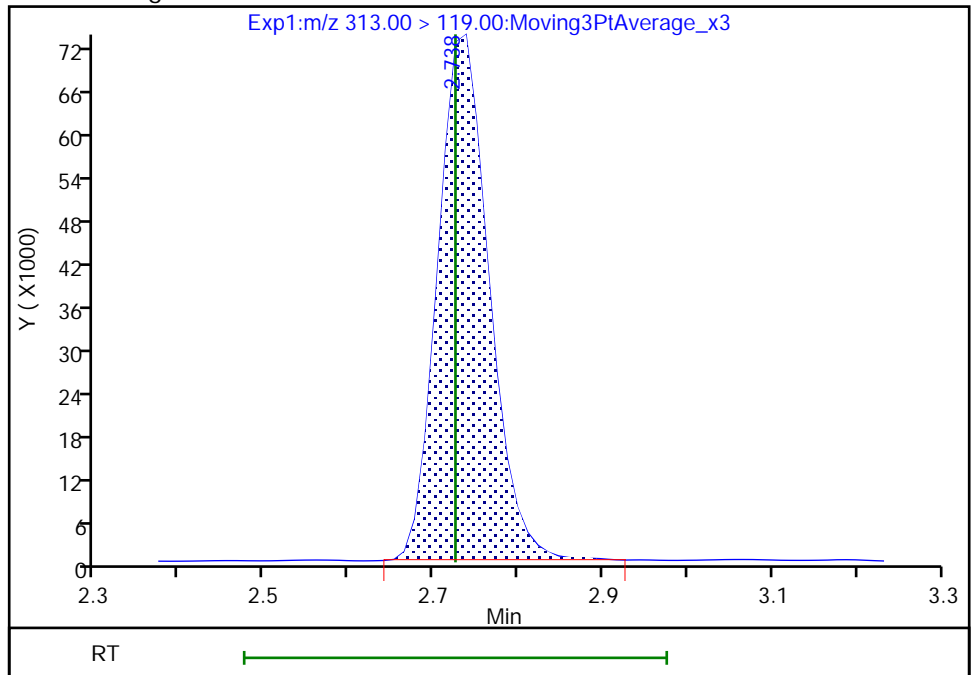
RT: 2.74
Area: 310656
Amount: 2.224472
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 309568
Amount: 2.217433
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:55:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

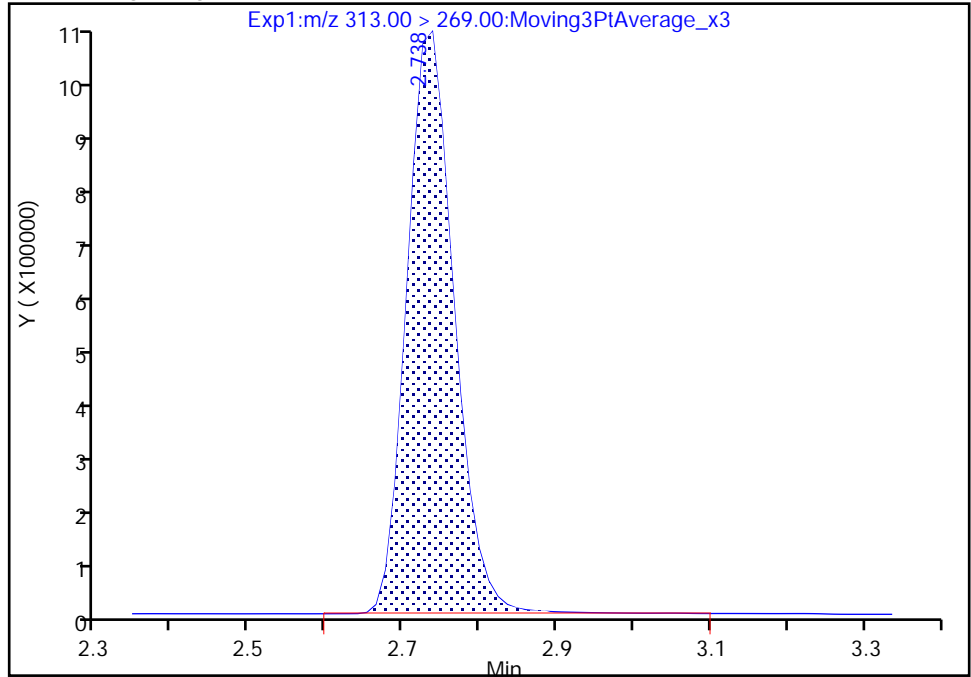
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

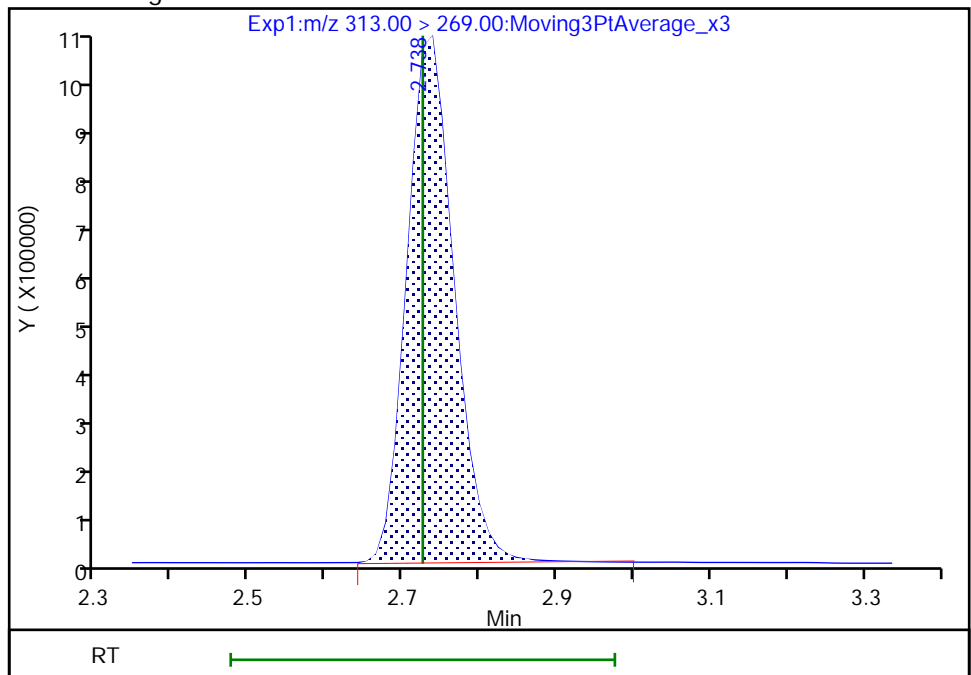
RT: 2.74
Area: 4393768
Amount: 2.224472
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 4379865
Amount: 2.217433
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 17:55:18

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

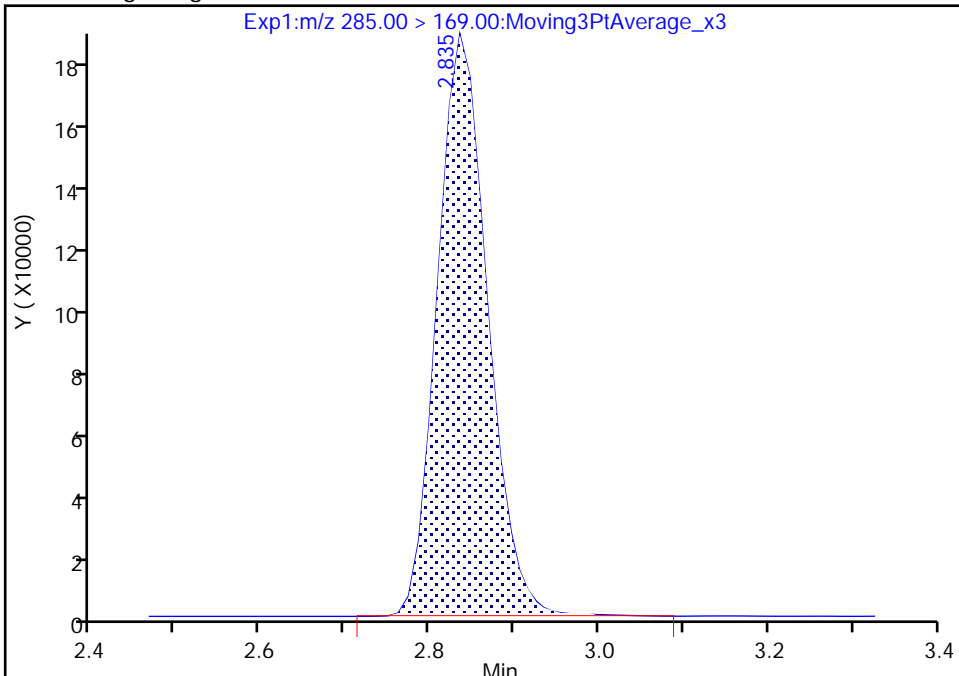
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

67 Perfluoro(2-propoxypropanoic) ac, CAS: 13252-13-6

Signal: 1

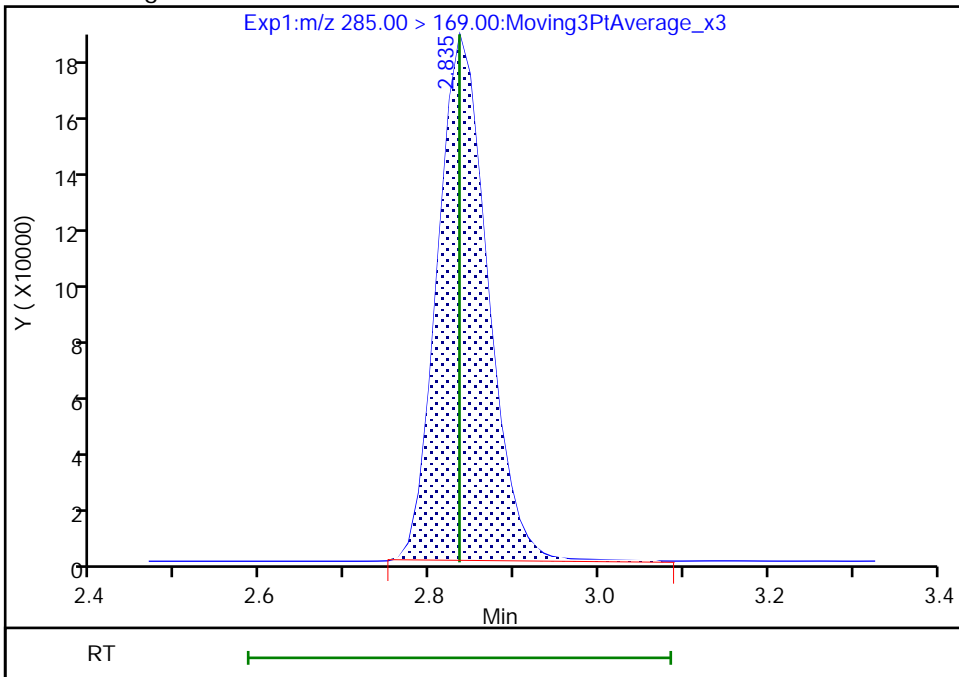
RT: 2.84
Area: 766649
Amount: 2.306561
Amount Units: ng/ml

Processing Integration Results



RT: 2.84
Area: 764701
Amount: 2.300700
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:55:28
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

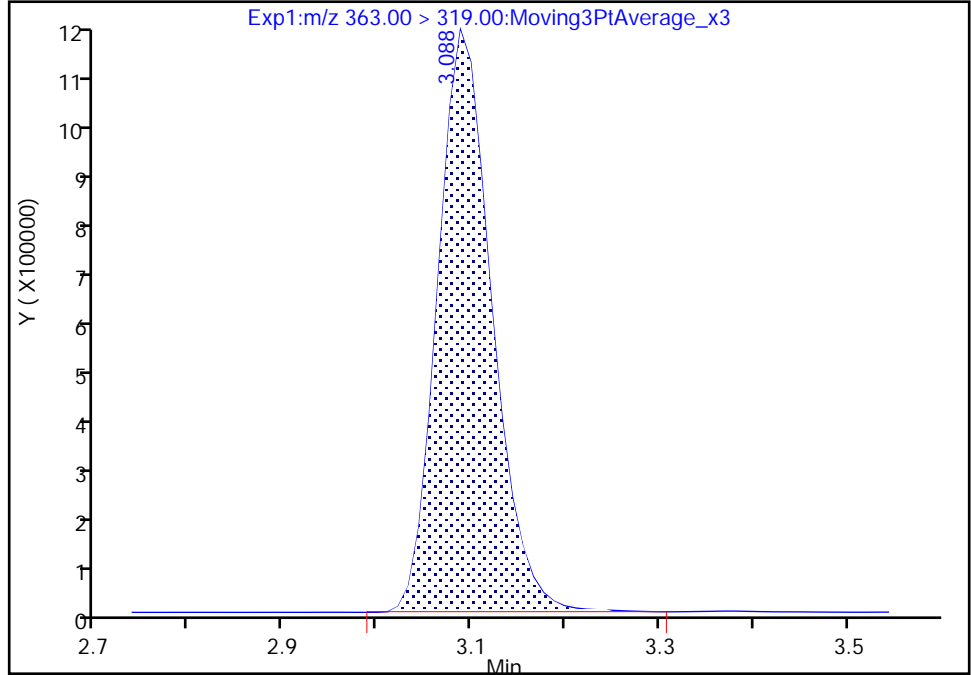
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

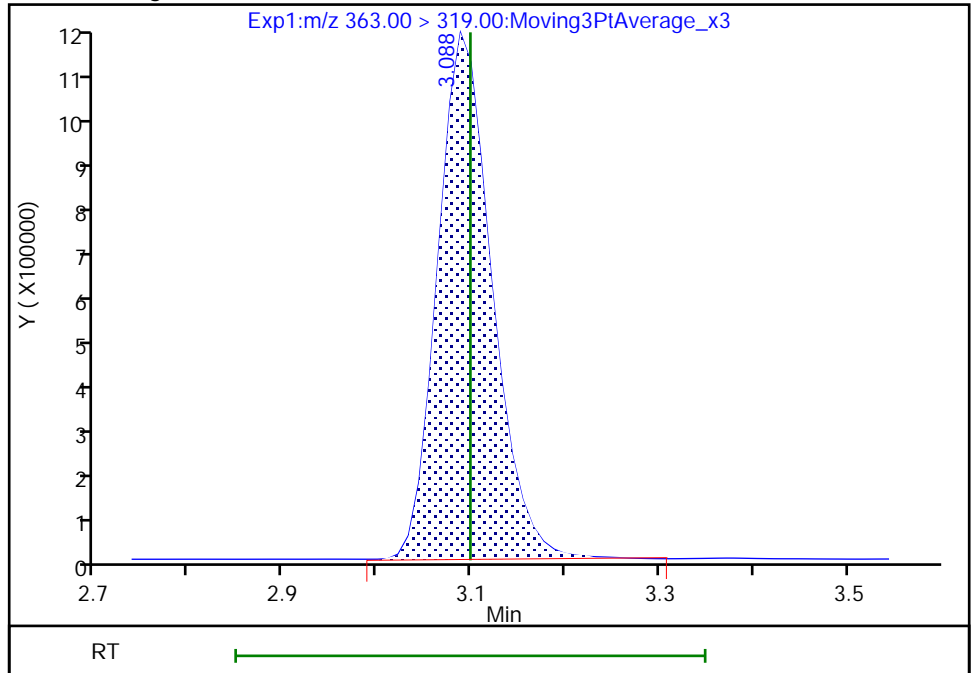
RT: 3.09
Area: 4606070
Amount: 2.320367
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 4602251
Amount: 2.318443
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:55:52
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

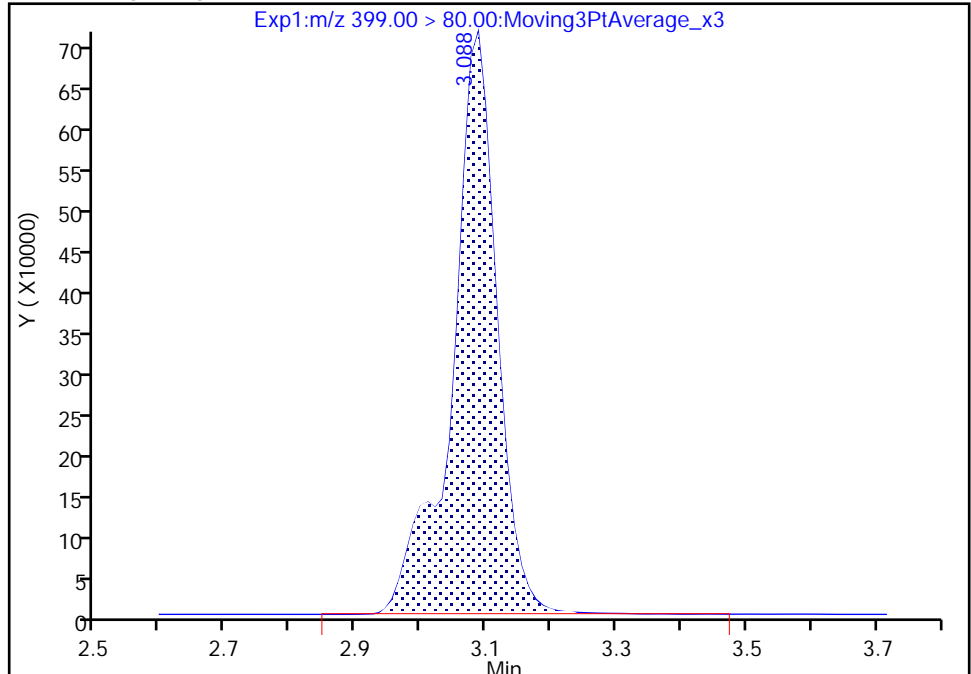
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

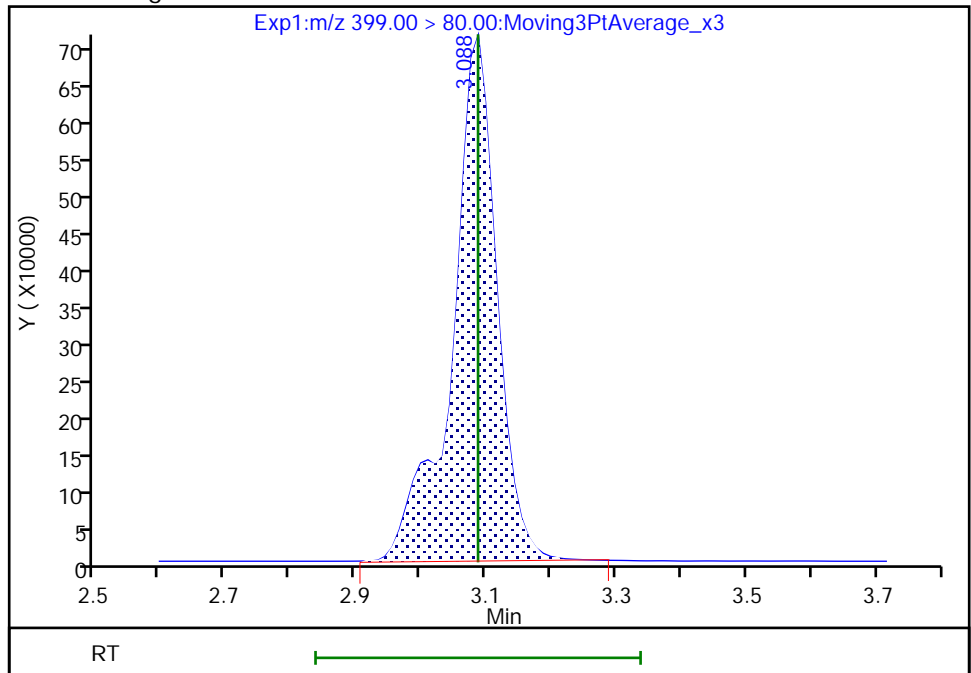
RT: 3.09
Area: 3441271
Amount: 2.150571
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 3422081
Amount: 2.138578
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:55:34
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

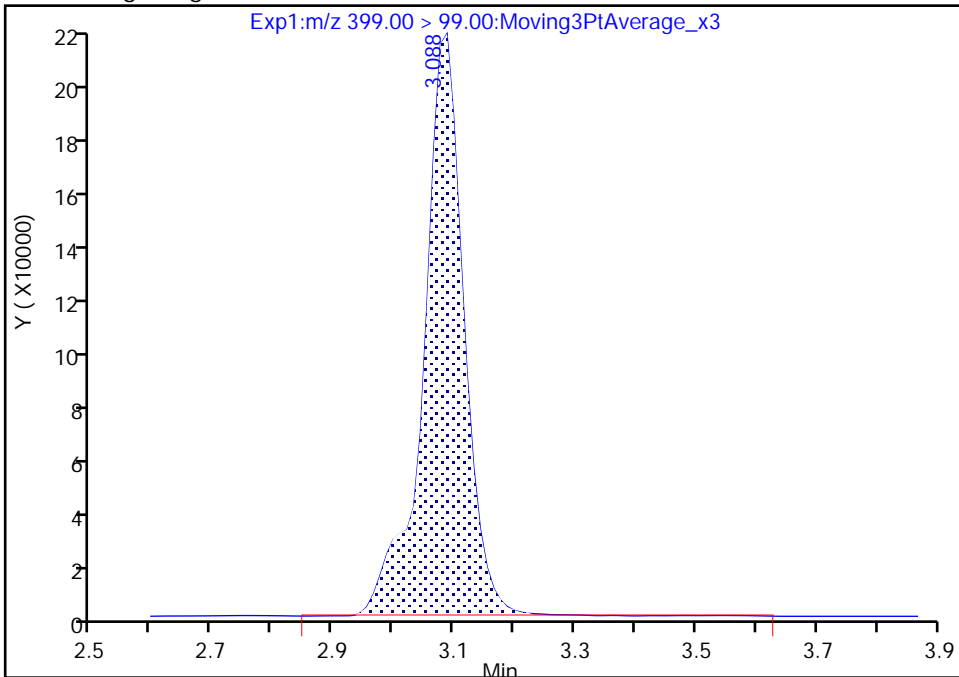
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

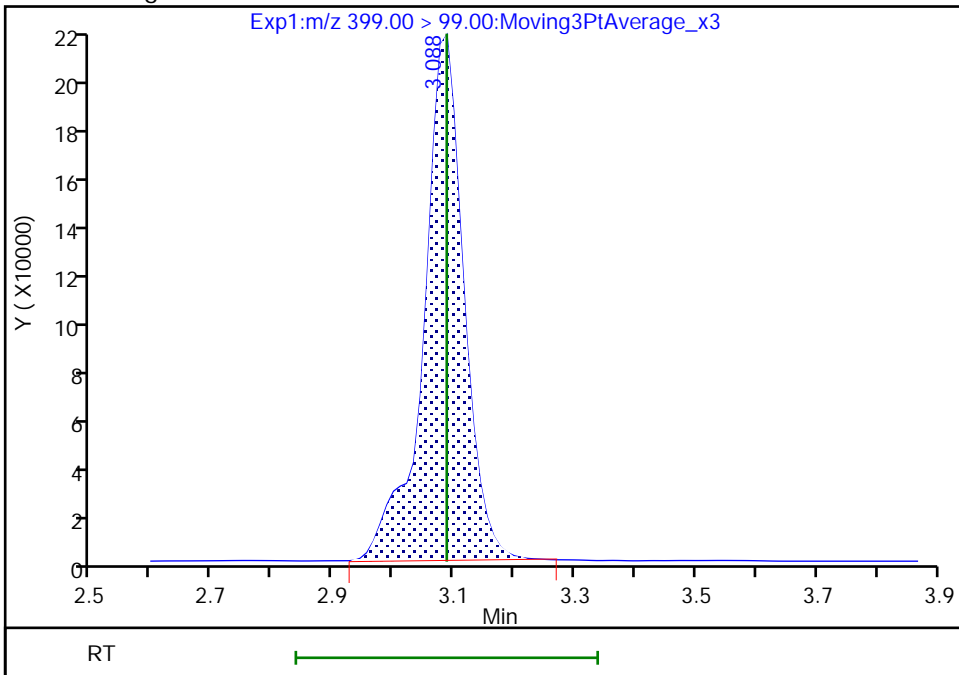
RT: 3.09
Area: 1004735
Amount: 2.150571
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 993087
Amount: 2.138578
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:55:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

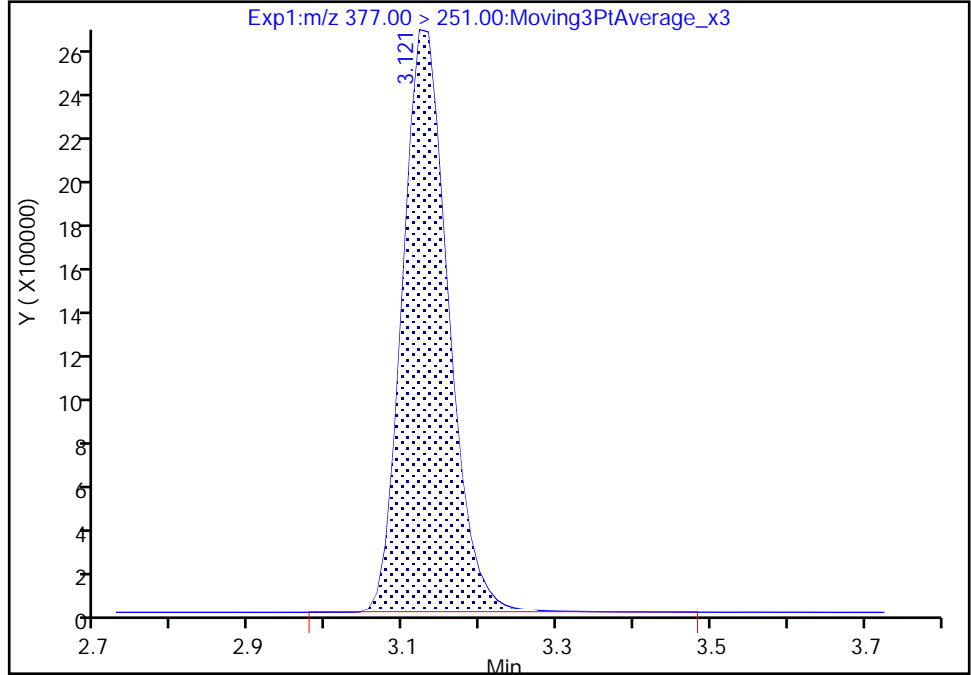
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 1

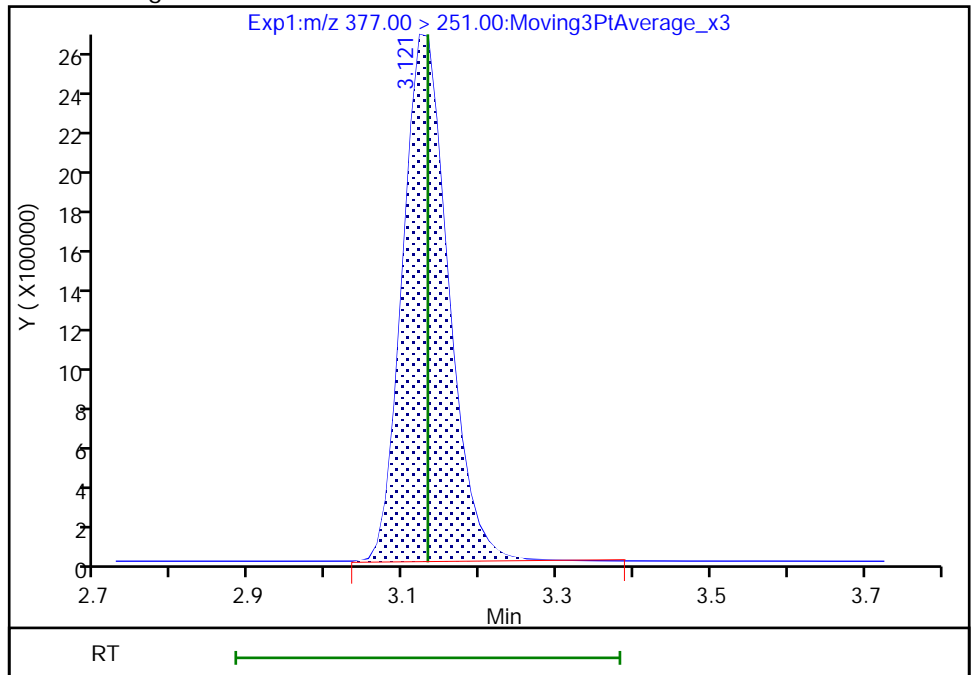
RT: 3.12
Area: 11118484
Amount: 2.171226
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 11099174
Amount: 2.167455
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:55:58
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

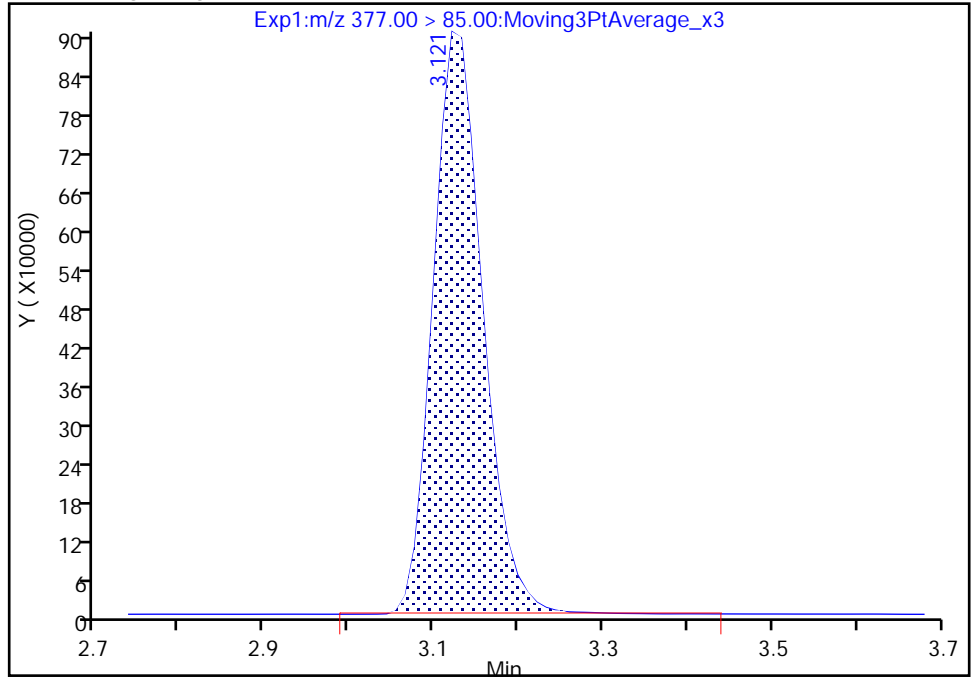
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 2

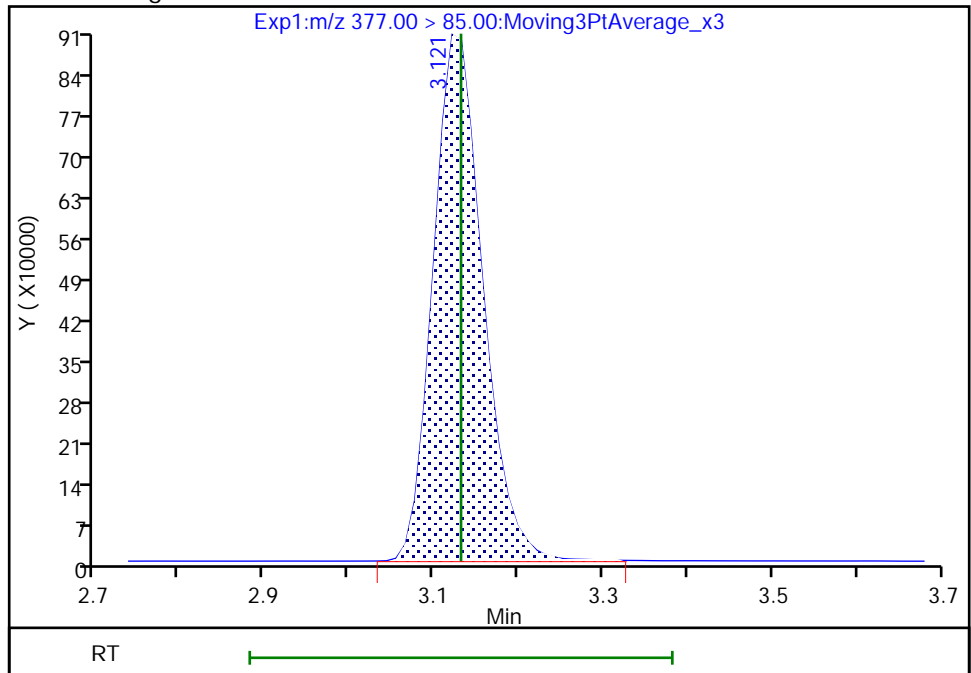
RT: 3.12
Area: 3673968
Amount: 2.171226
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 3662523
Amount: 2.167455
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:56:06

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

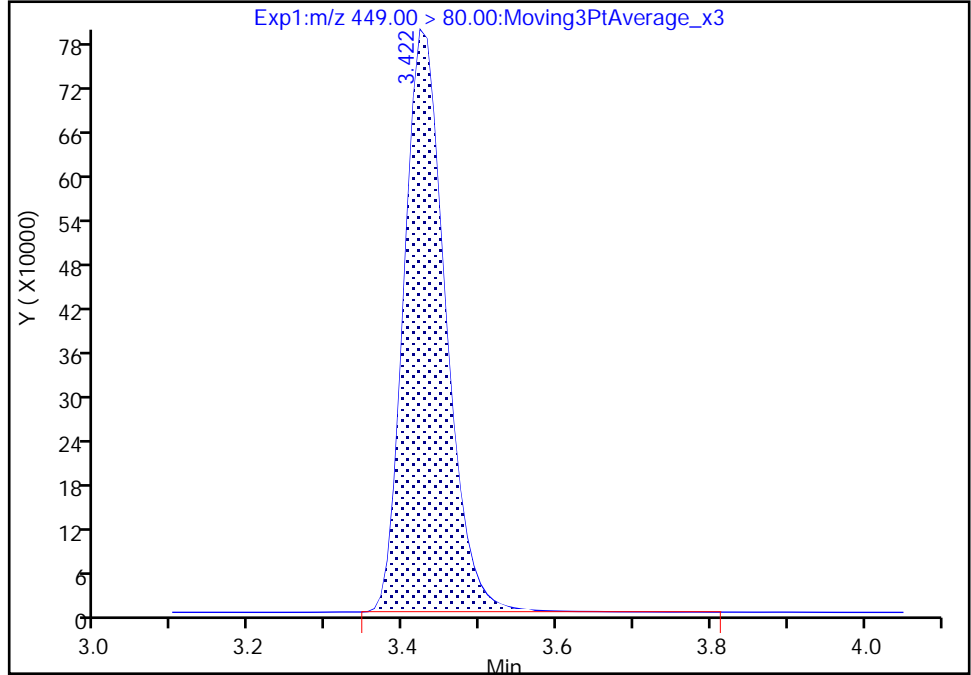
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

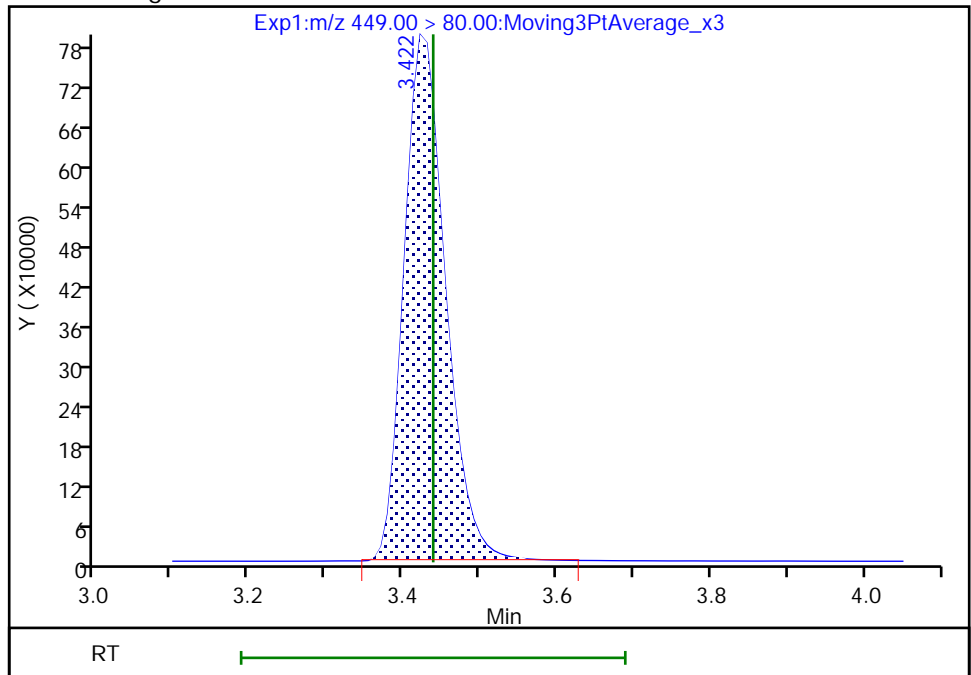
RT: 3.42
Area: 2970967
Amount: 2.287544
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 2954577
Amount: 2.274924
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:56:20
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

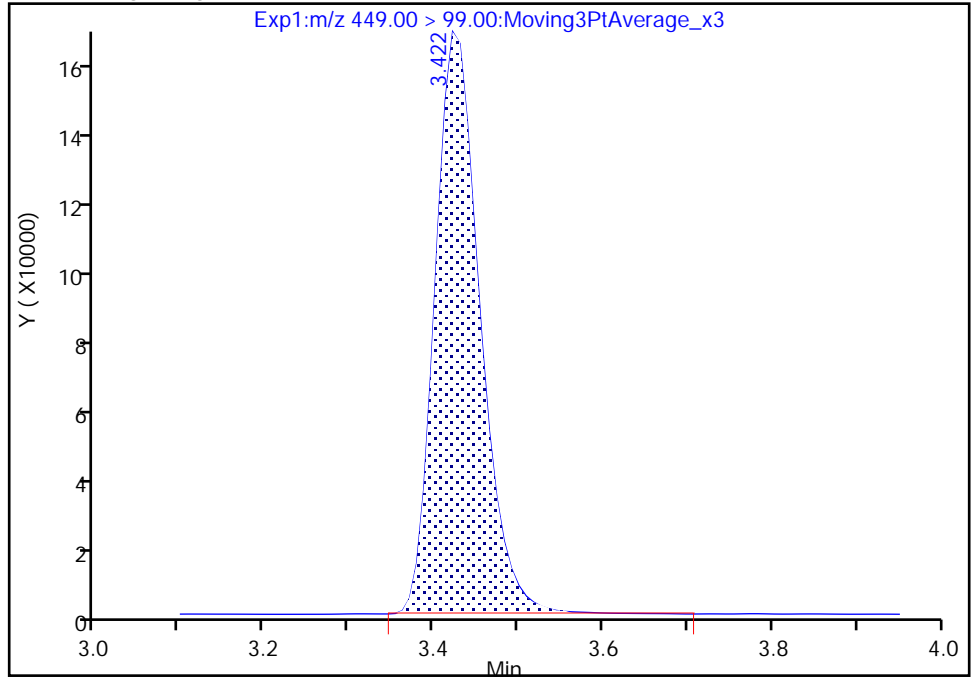
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

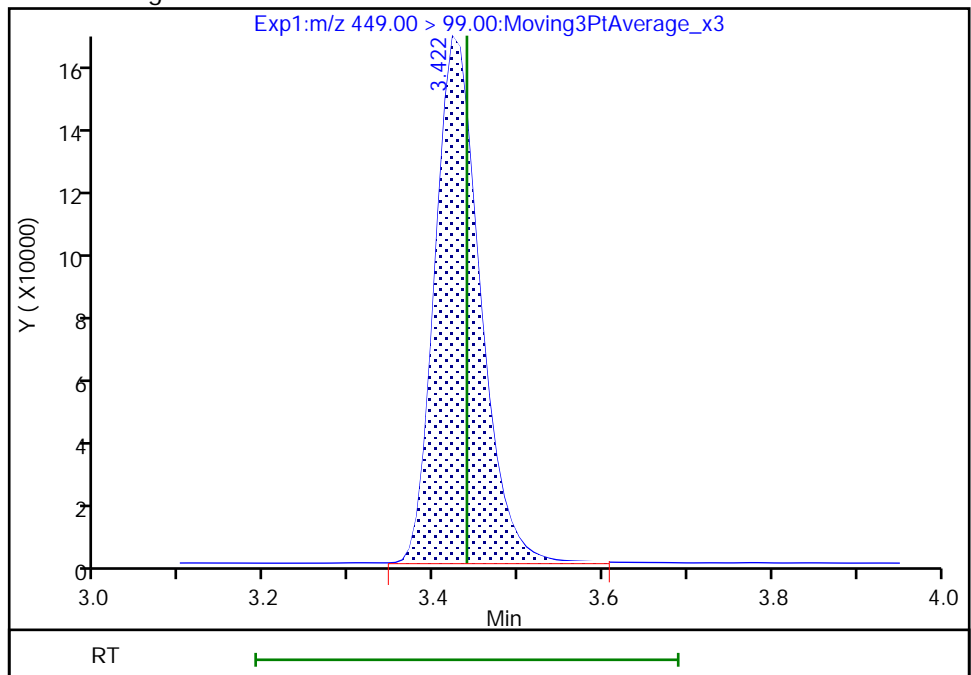
RT: 3.42
Area: 605983
Amount: 2.287544
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 603542
Amount: 2.274924
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 17:56:30

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

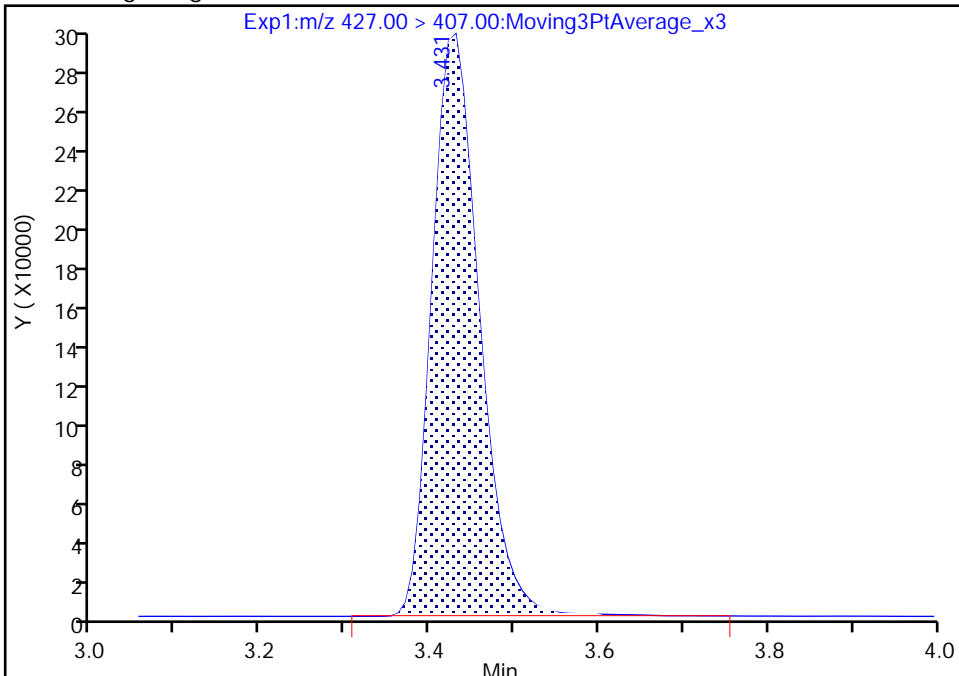
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

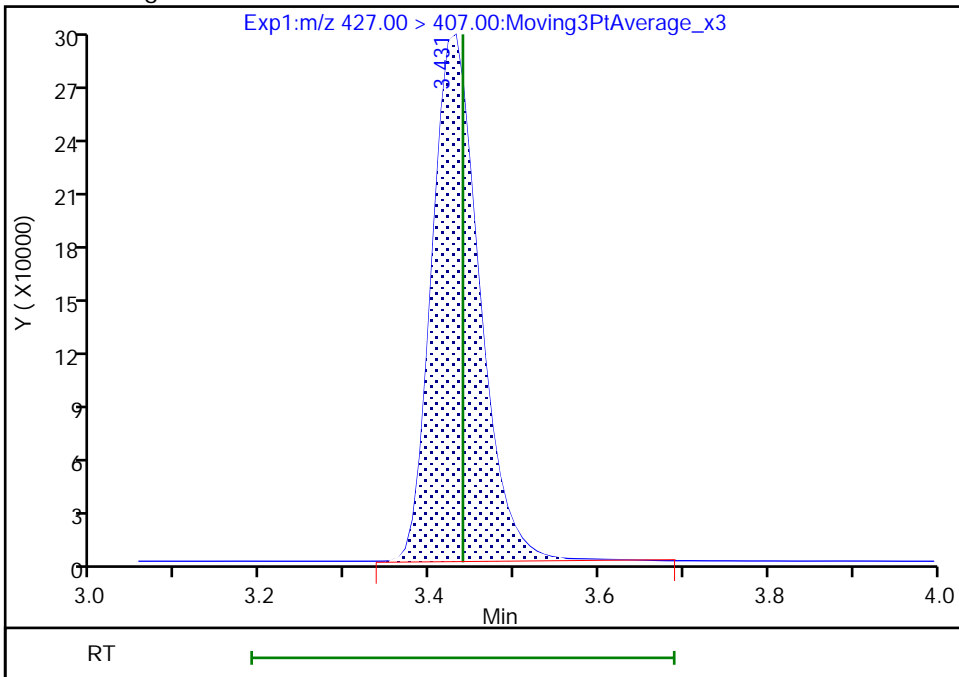
RT: 3.43
Area: 1145991
Amount: 2.295970
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 1144320
Amount: 2.292604
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:56:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

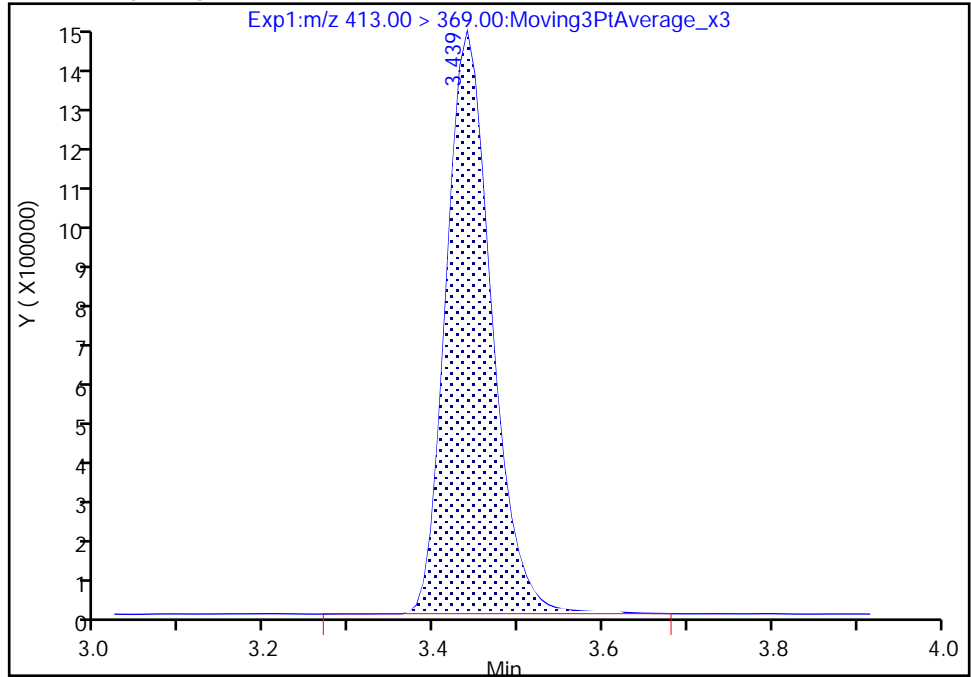
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

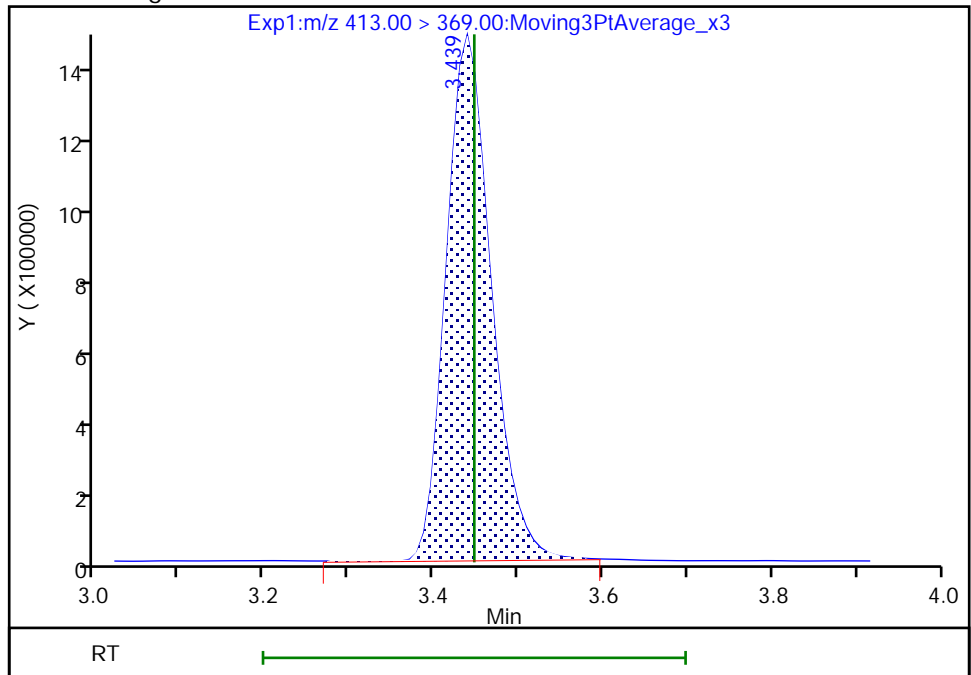
RT: 3.44
Area: 5276795
Amount: 2.366160
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 5268471
Amount: 2.362428
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:56:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

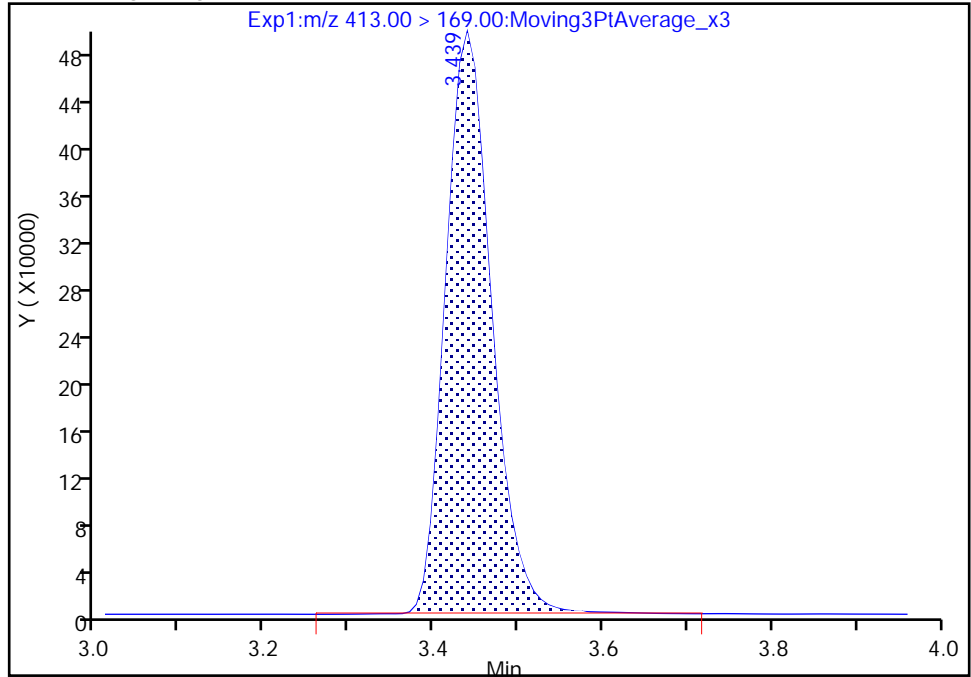
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

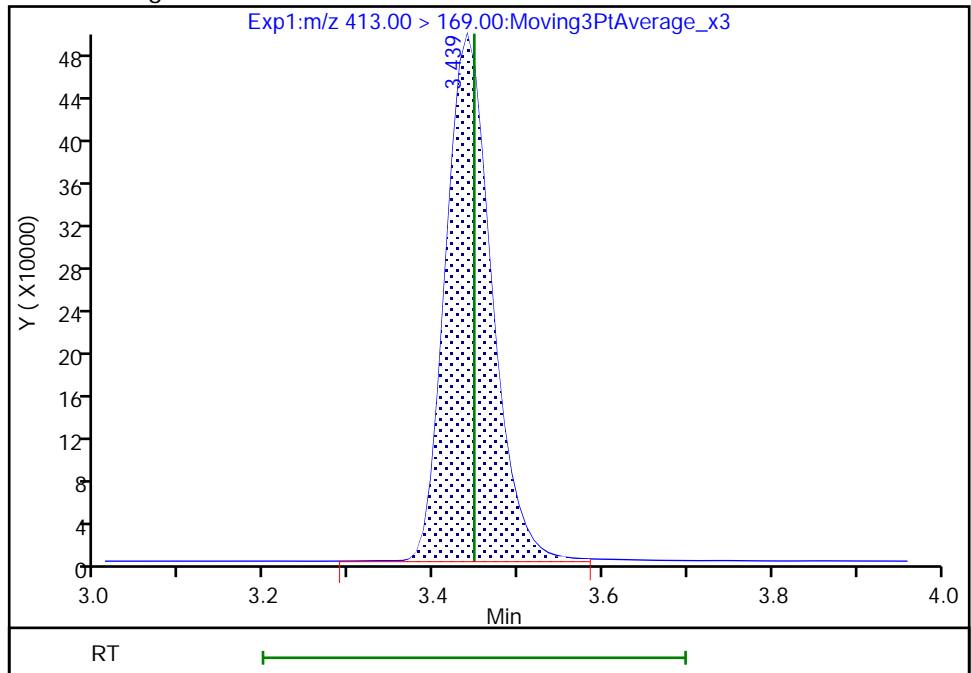
RT: 3.44
Area: 1884373
Amount: 2.366160
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 1876315
Amount: 2.362428
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:57:04

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

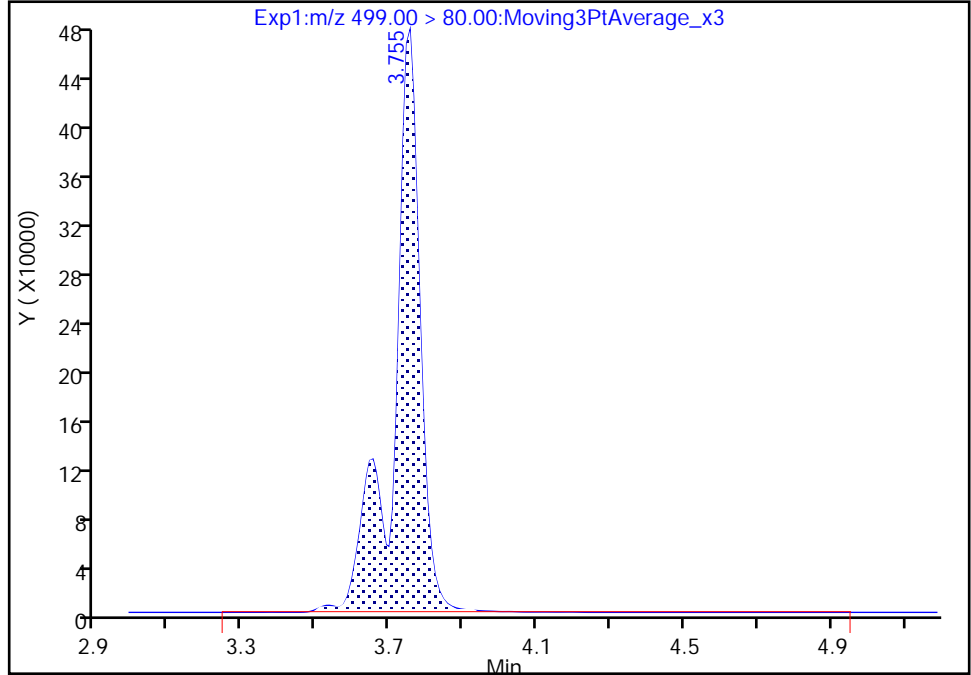
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

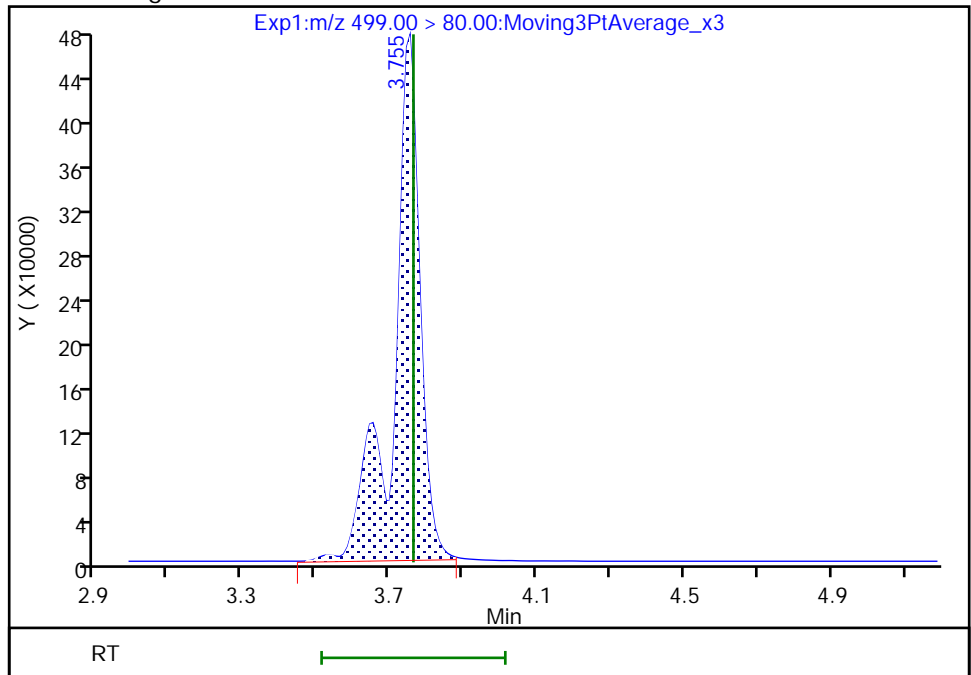
RT: 3.75
Area: 2420069
Amount: 2.140055
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 2396351
Amount: 2.119081
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:57:18
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

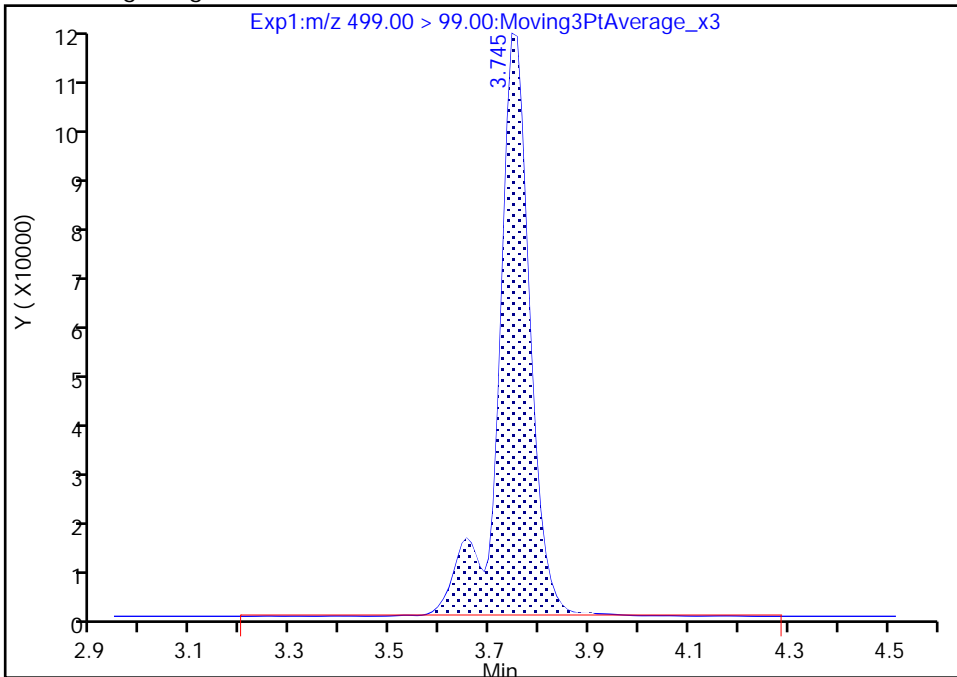
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

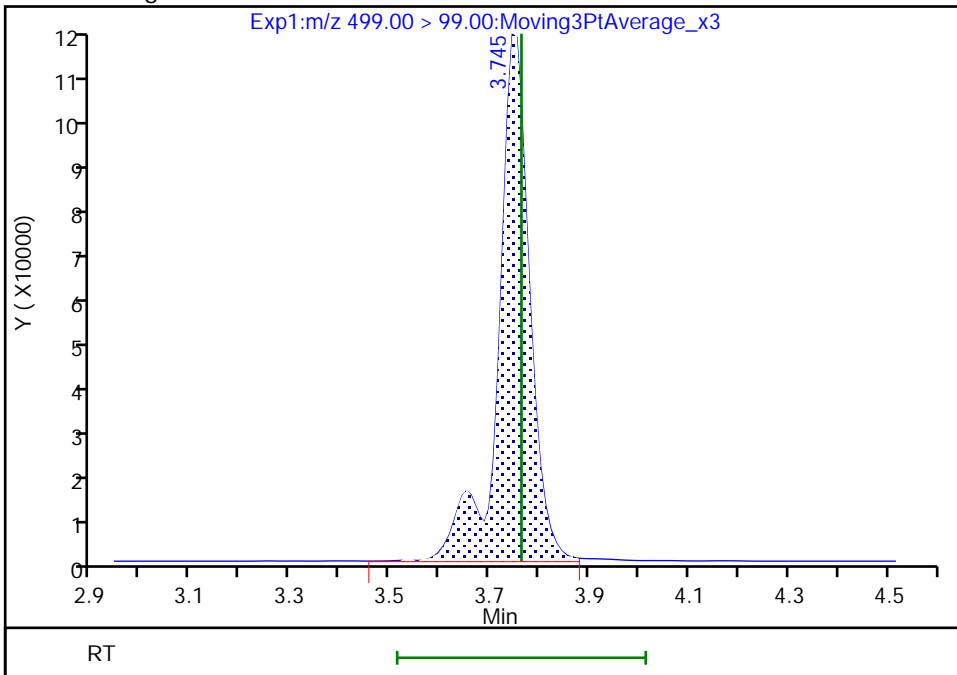
RT: 3.75
Area: 527589
Amount: 2.140055
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 521329
Amount: 2.119081
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 17:57:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

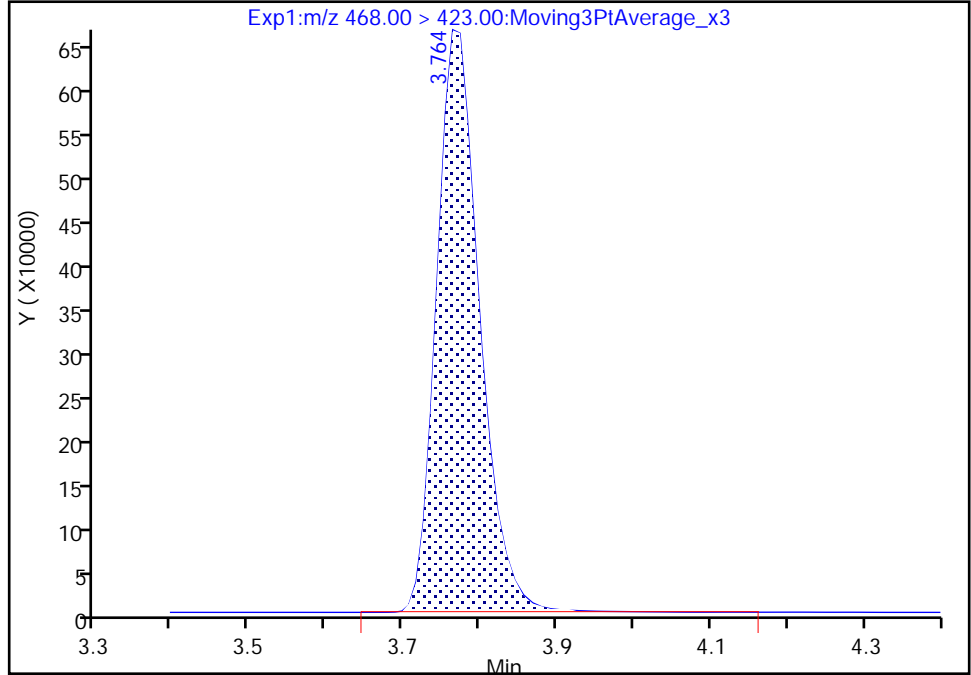
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 19 13C5 PFNA, CAS: STL00995
Signal: 1

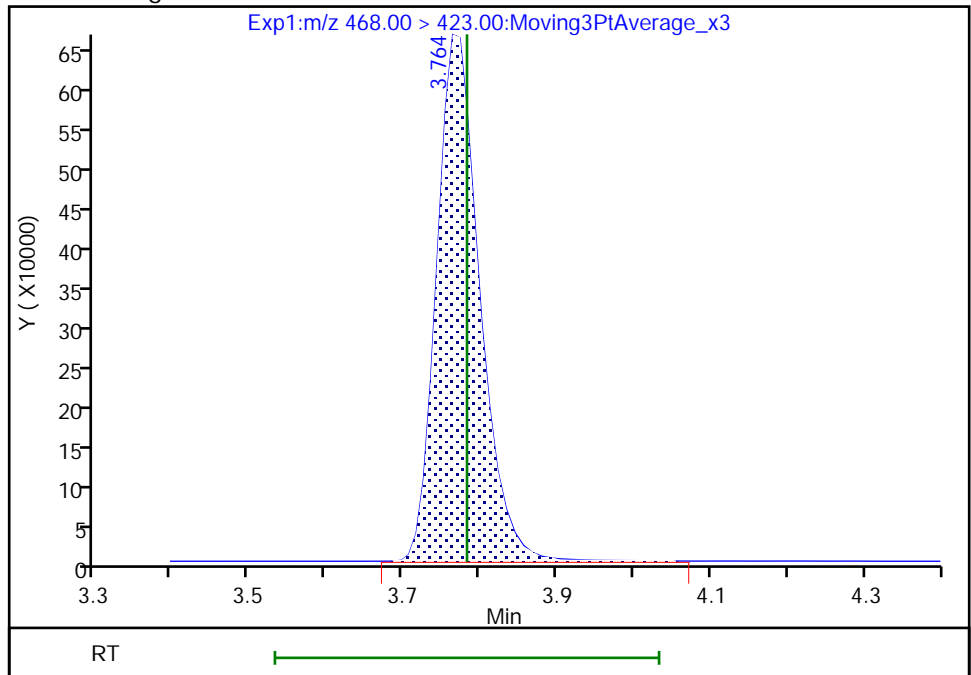
RT: 3.76
Area: 2583777
Amount: 1.256191
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 2582314
Amount: 1.255480
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:53:53
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

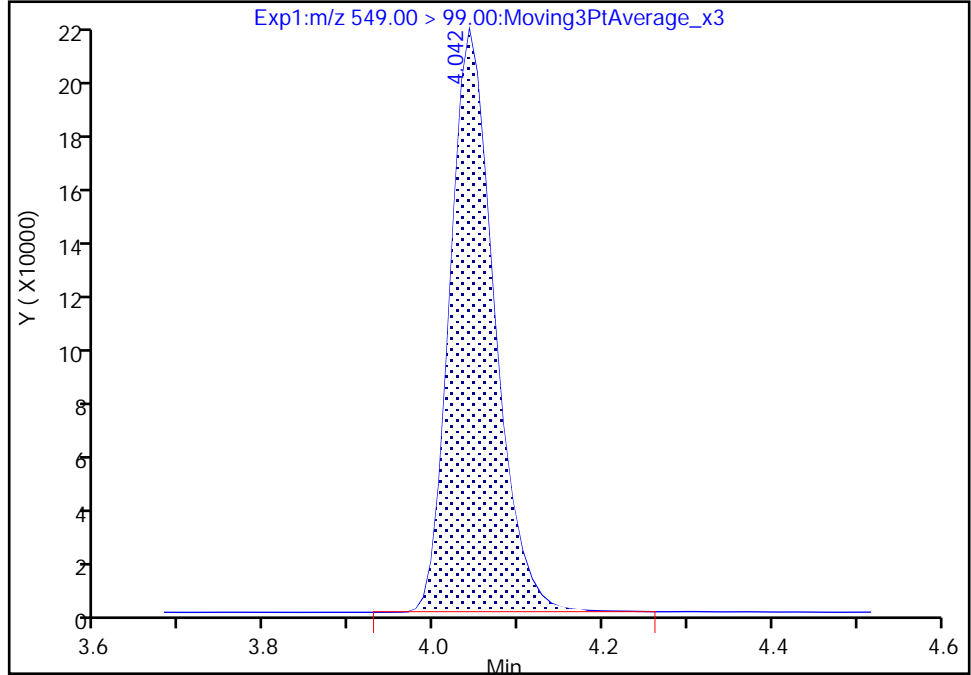
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 2

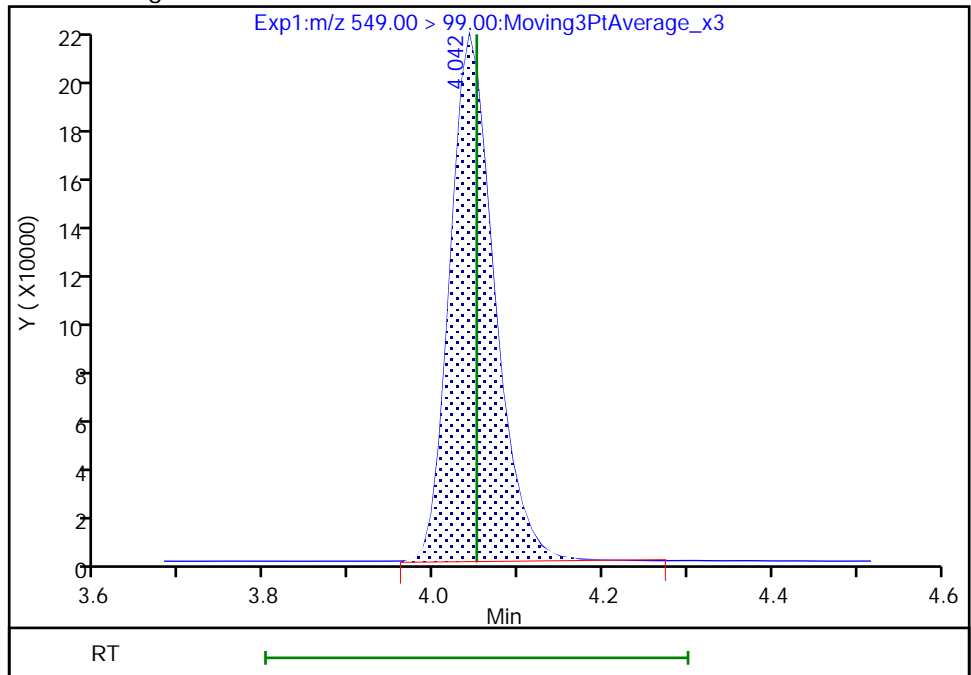
RT: 4.04
Area: 796433
Amount: 2.270049
Amount Units: ng/ml

Processing Integration Results



RT: 4.04
Area: 795257
Amount: 2.270049
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:57:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

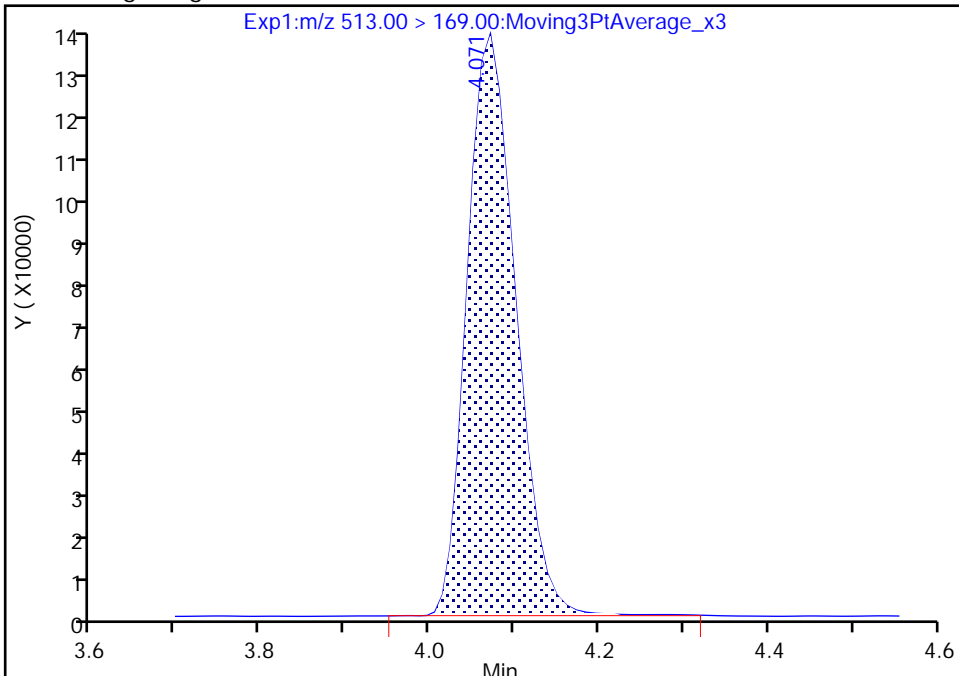
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

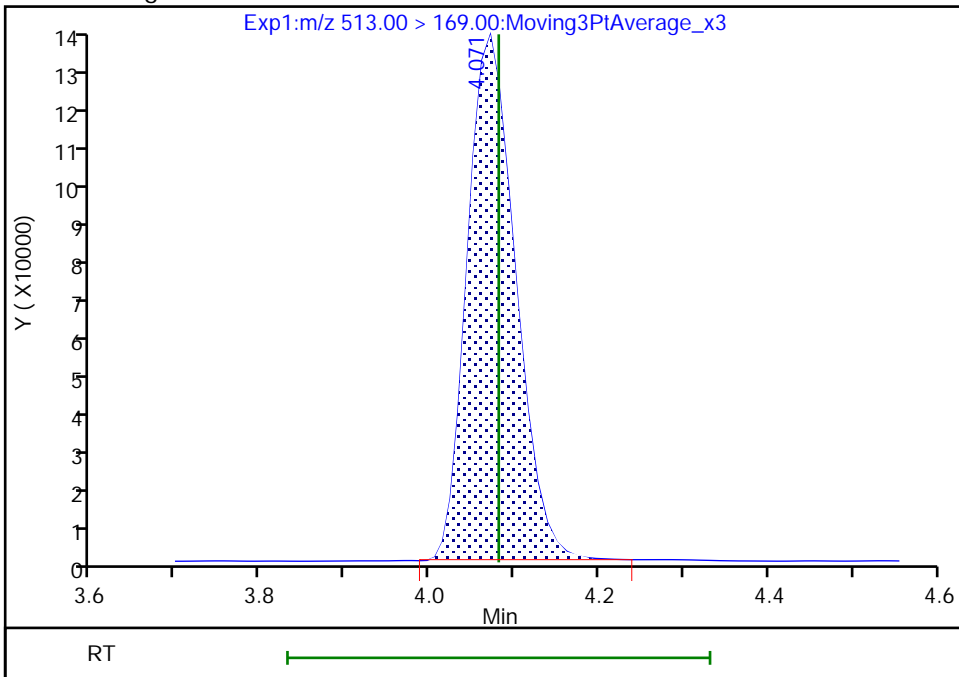
RT: 4.07
Area: 538185
Amount: 2.304645
Amount Units: ng/ml

Processing Integration Results



RT: 4.07
Area: 536086
Amount: 2.304645
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:57:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

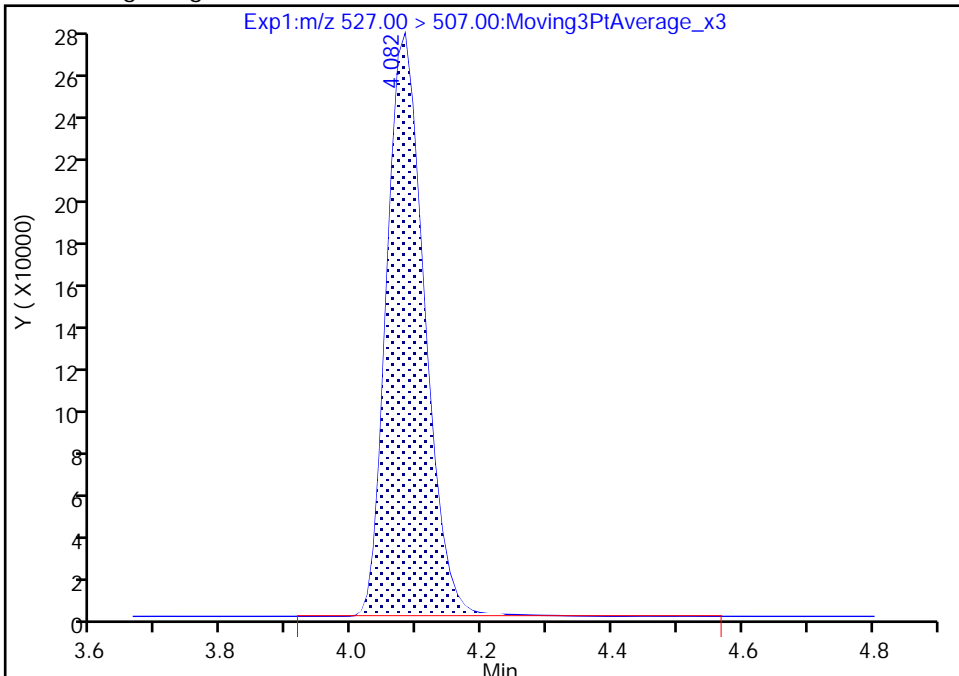
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

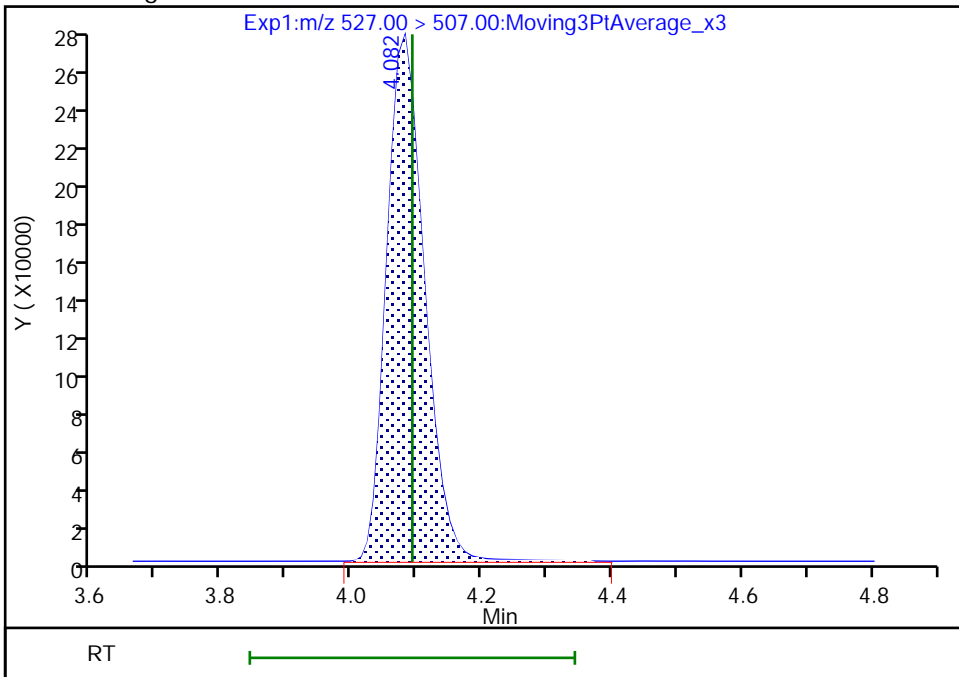
RT: 4.08
Area: 1106405
Amount: 2.439314
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 1105211
Amount: 2.436682
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:57:58
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

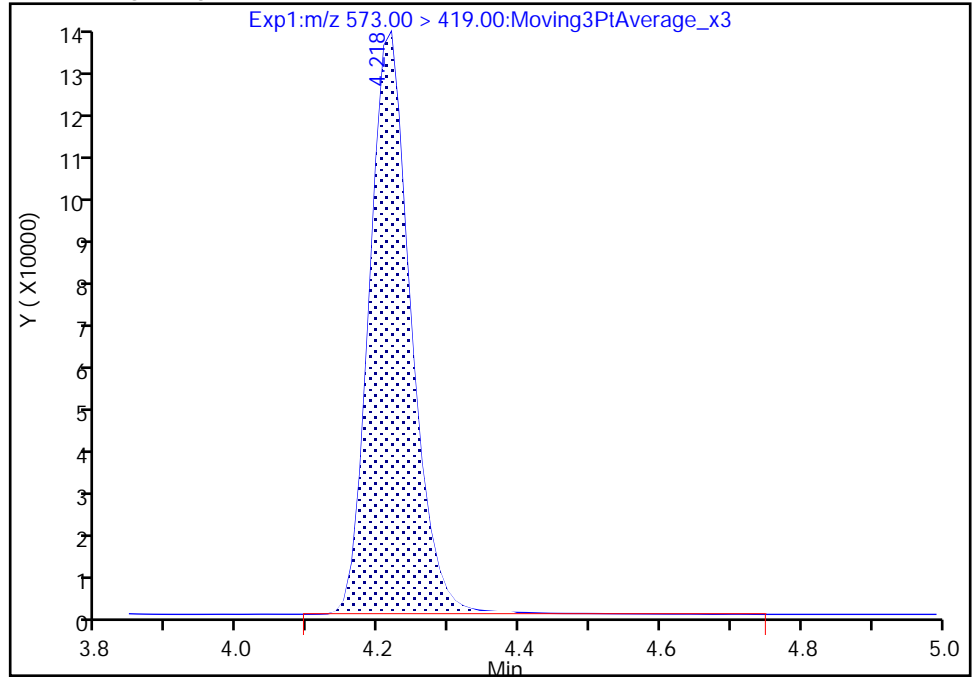
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118
Signal: 1

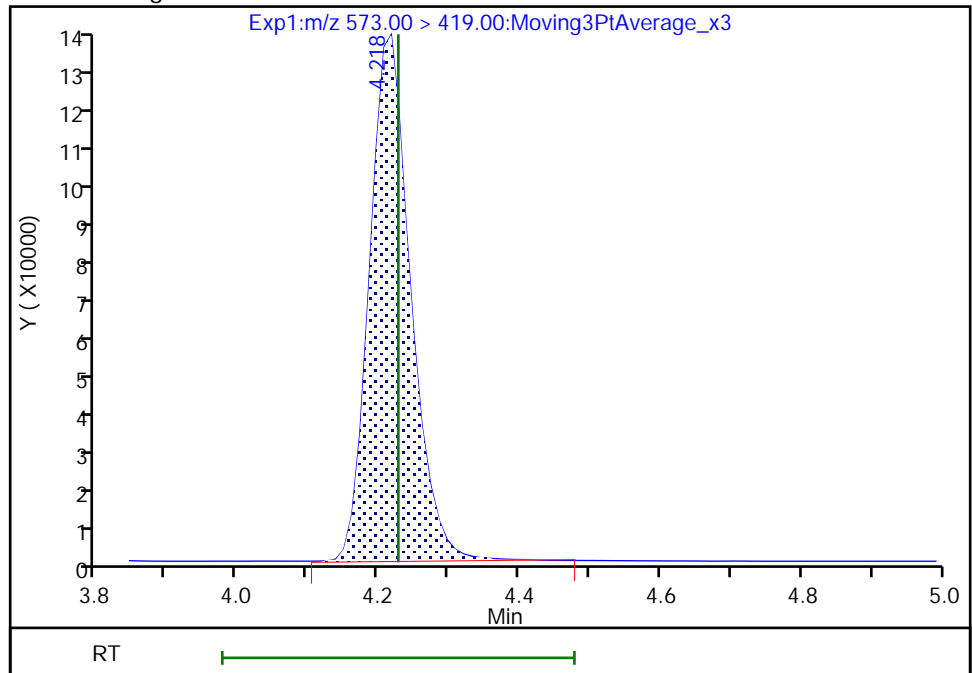
RT: 4.22
Area: 569520
Amount: 1.334524
Amount Units: ng/ml

Processing Integration Results



RT: 4.22
Area: 565784
Amount: 1.325770
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:54:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

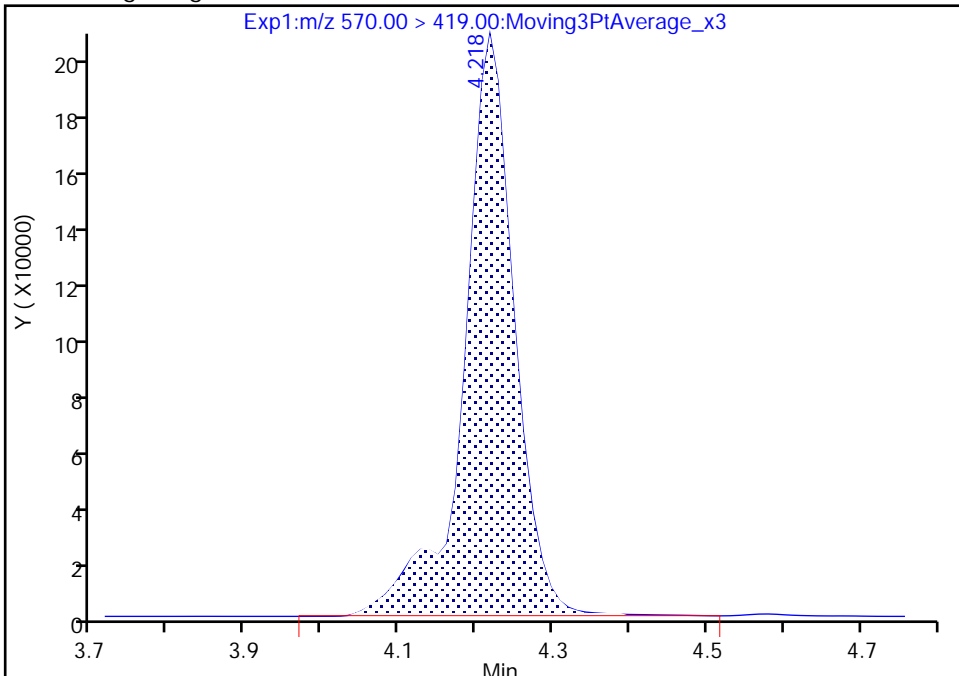
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

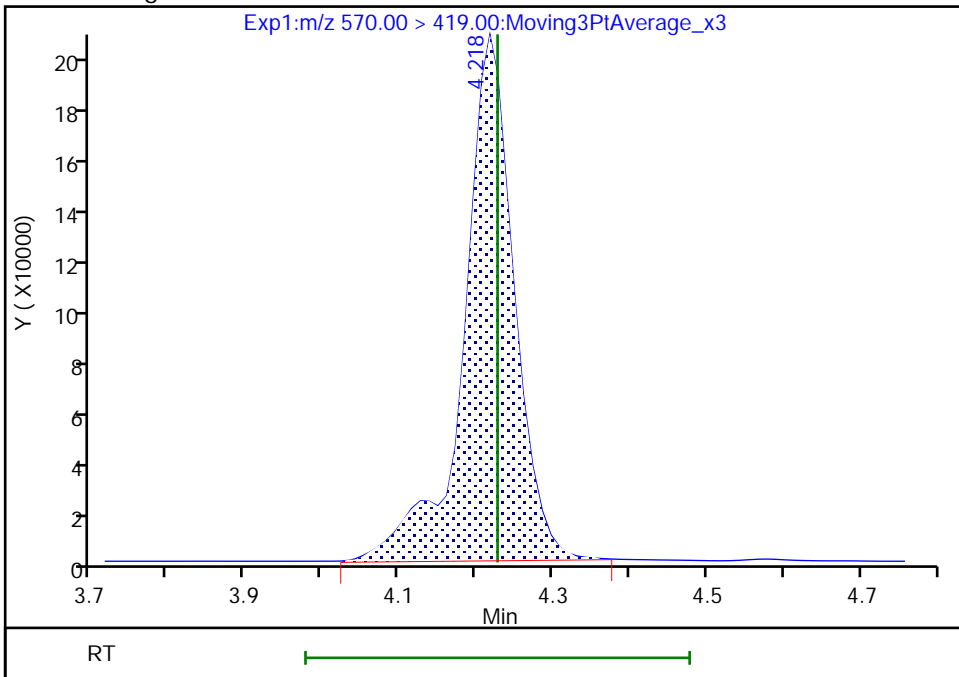
RT: 4.22
Area: 951672
Amount: 2.432507
Amount Units: ng/ml

Processing Integration Results



RT: 4.22
Area: 938433
Amount: 2.398506
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:58:14
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

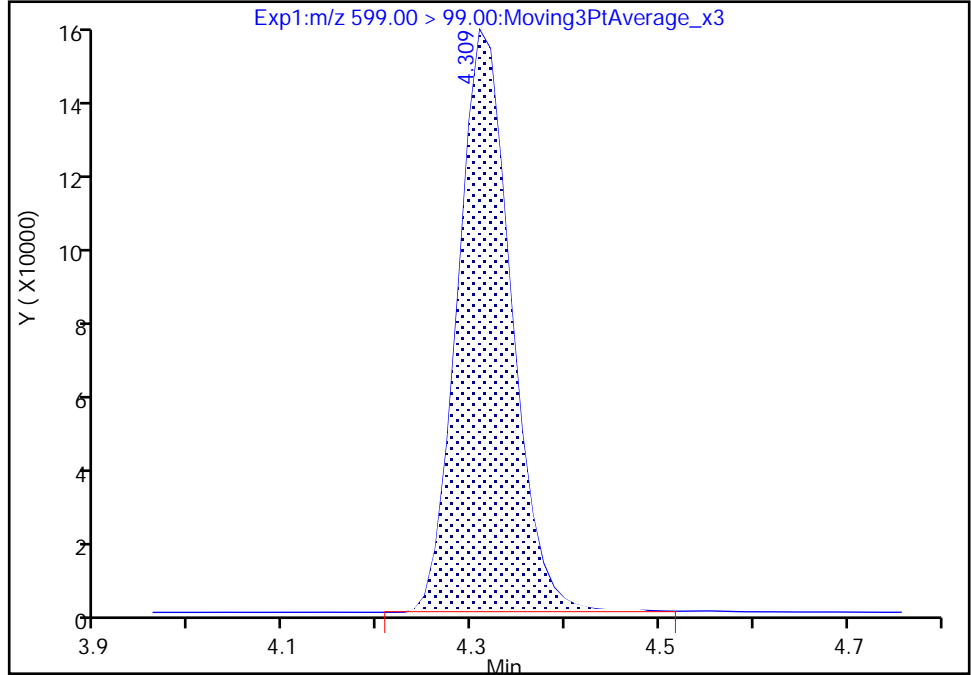
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

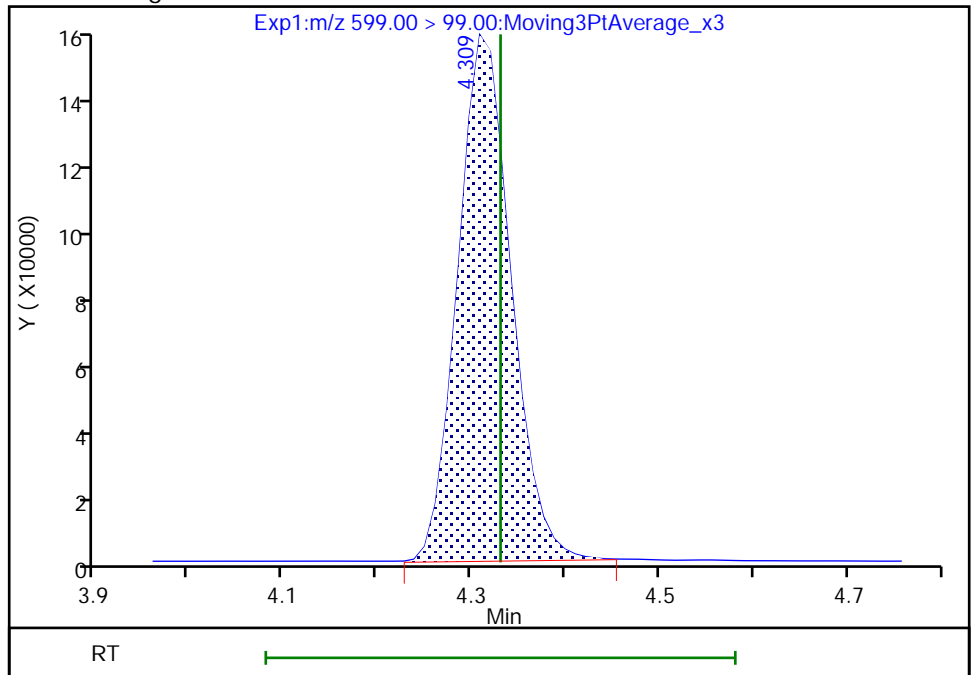
RT: 4.31
Area: 615807
Amount: 2.357531
Amount Units: ng/ml

Processing Integration Results



RT: 4.31
Area: 610265
Amount: 2.357531
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:58:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

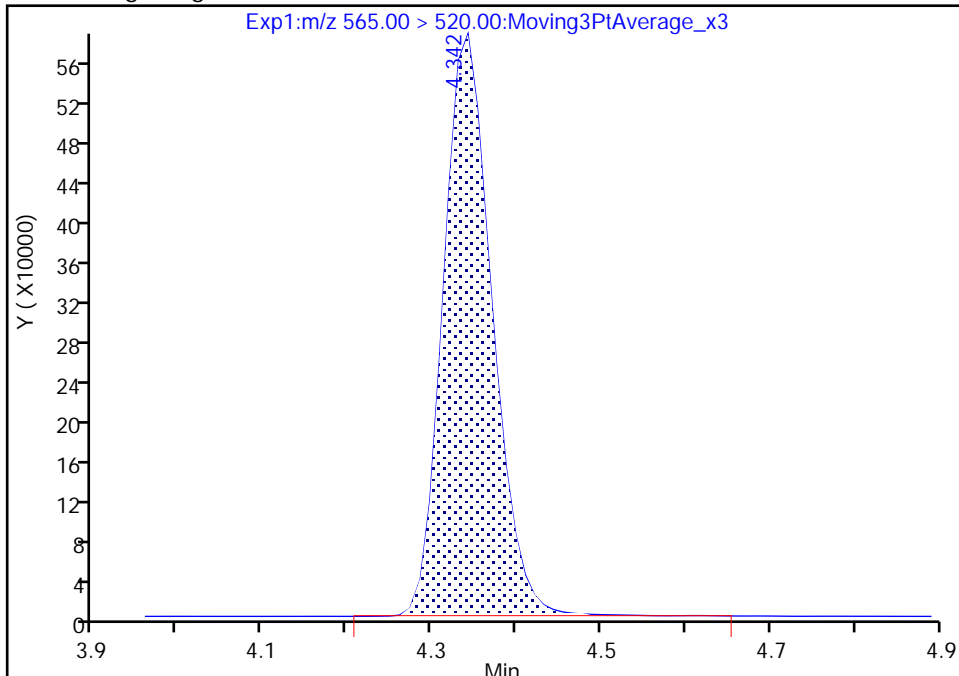
Data File:	\\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d		
Injection Date:	08-Dec-2022 18:45:45	Instrument ID:	LC812
Lims ID:	CCV L5		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	27
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	30

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

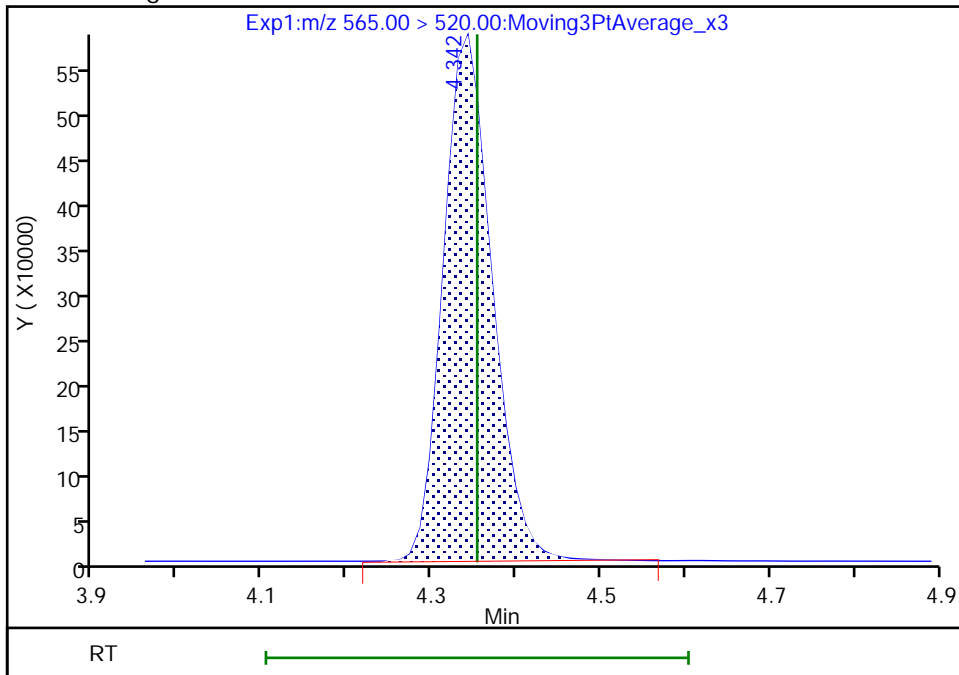
RT: 4.34
 Area: 2353267
 Amount: 1.226124
 Amount Units: ng/ml

Processing Integration Results



RT: 4.34
 Area: 2347955
 Amount: 1.223357
 Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:54:06
 Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

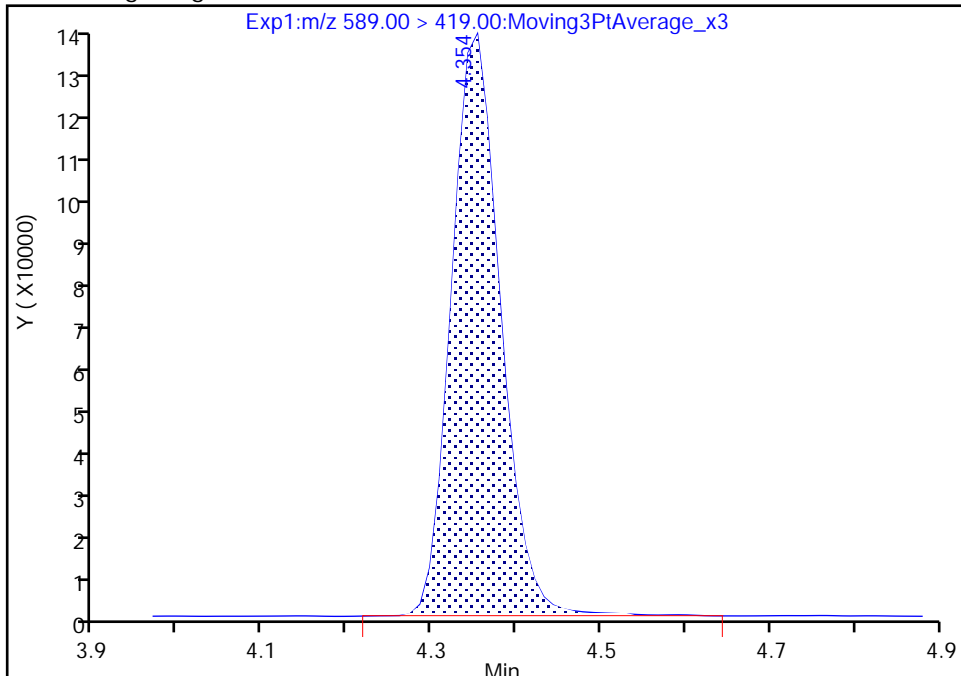
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 32 d5-NEtFOSAA, CAS: STL02117

Signal: 1

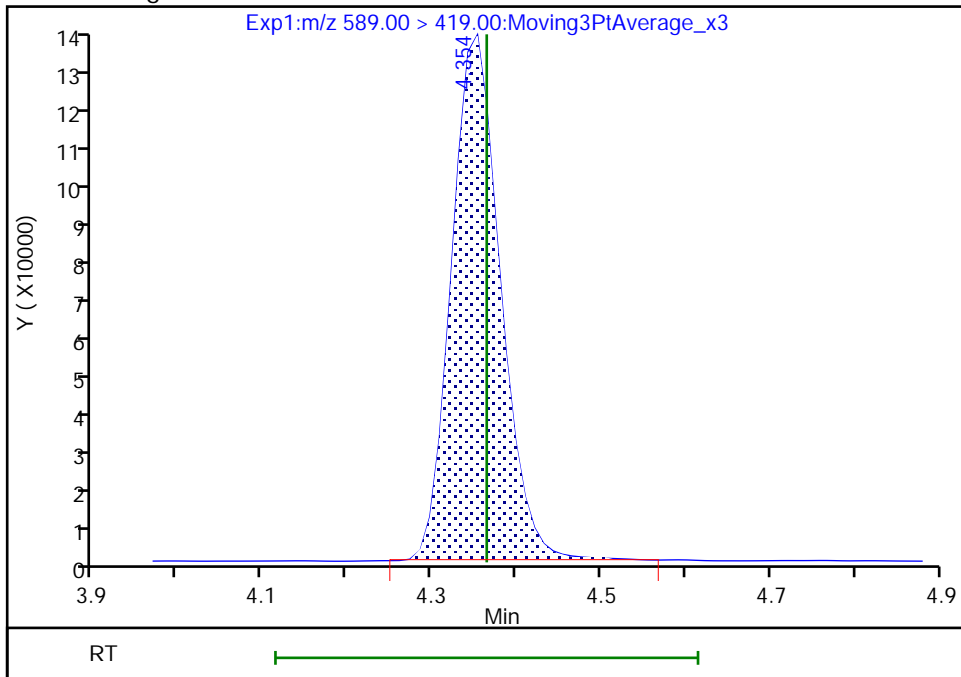
RT: 4.35
Area: 549922
Amount: 1.308684
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 546469
Amount: 1.300467
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:54:13
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

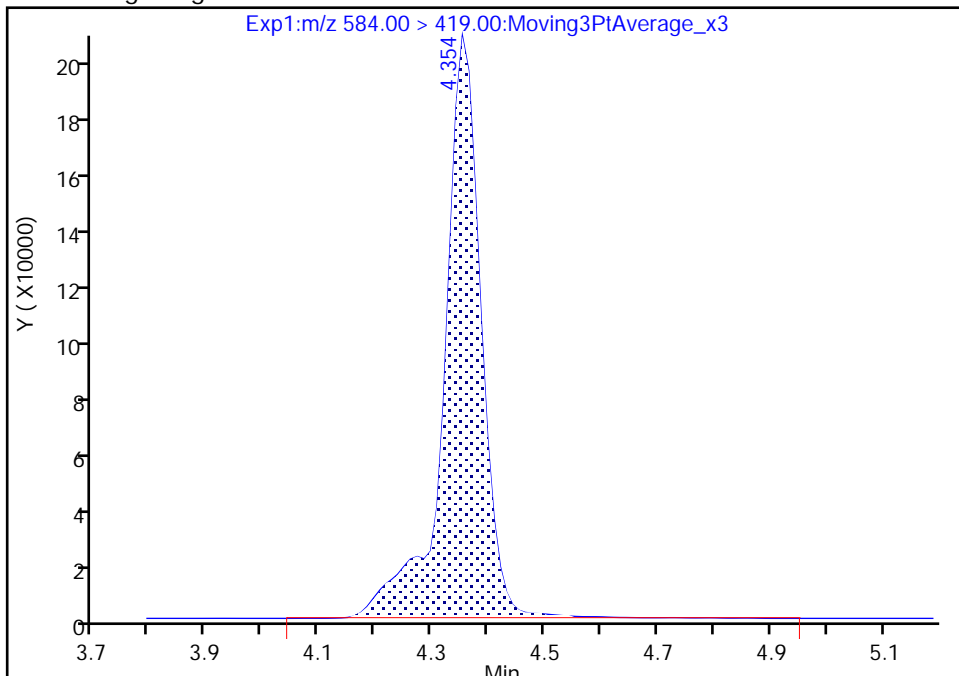
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

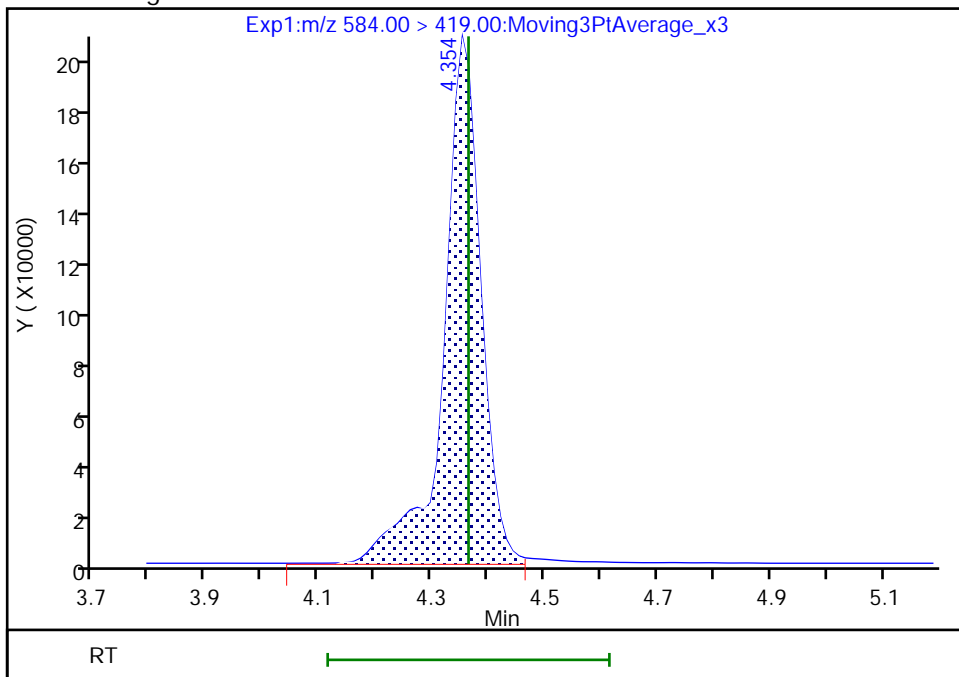
RT: 4.35
Area: 930229
Amount: 2.376783
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 916847
Amount: 2.342591
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:58:37
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

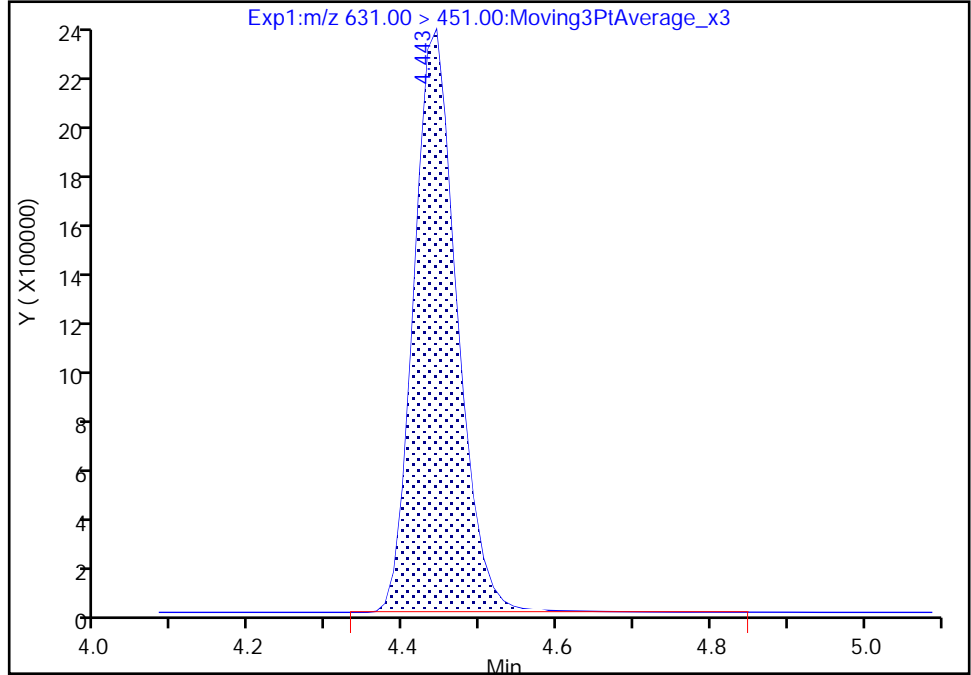
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

66 11-Chloroeicosafuoro-3-oxaundec, CAS: 763051-92-9

Signal: 1

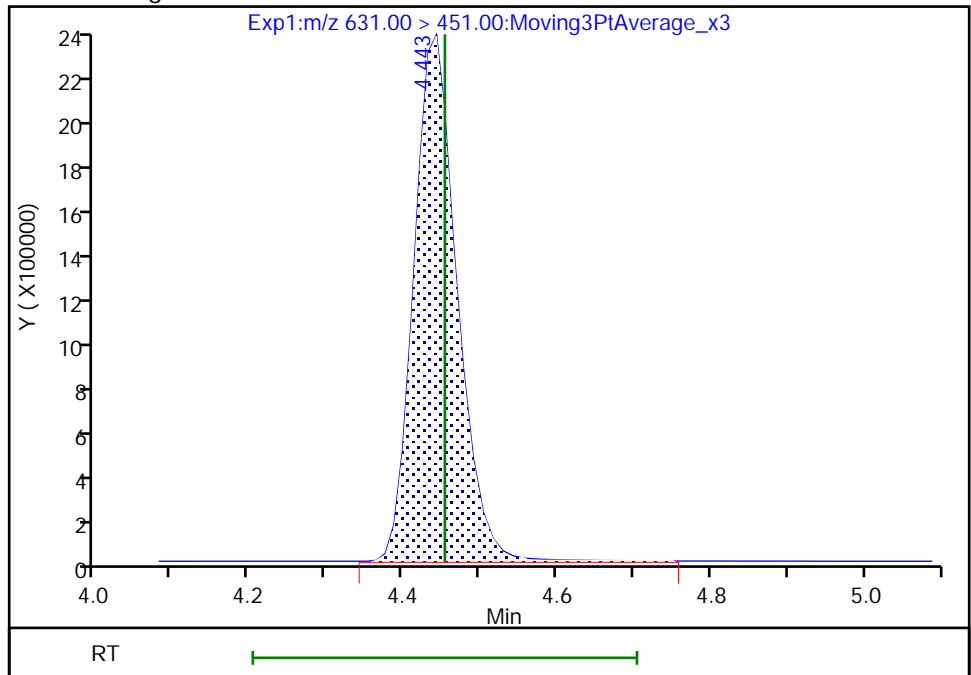
RT: 4.44
Area: 9139558
Amount: 2.284413
Amount Units: ng/ml

Processing Integration Results



RT: 4.44
Area: 9132780
Amount: 2.282719
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:58:44
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

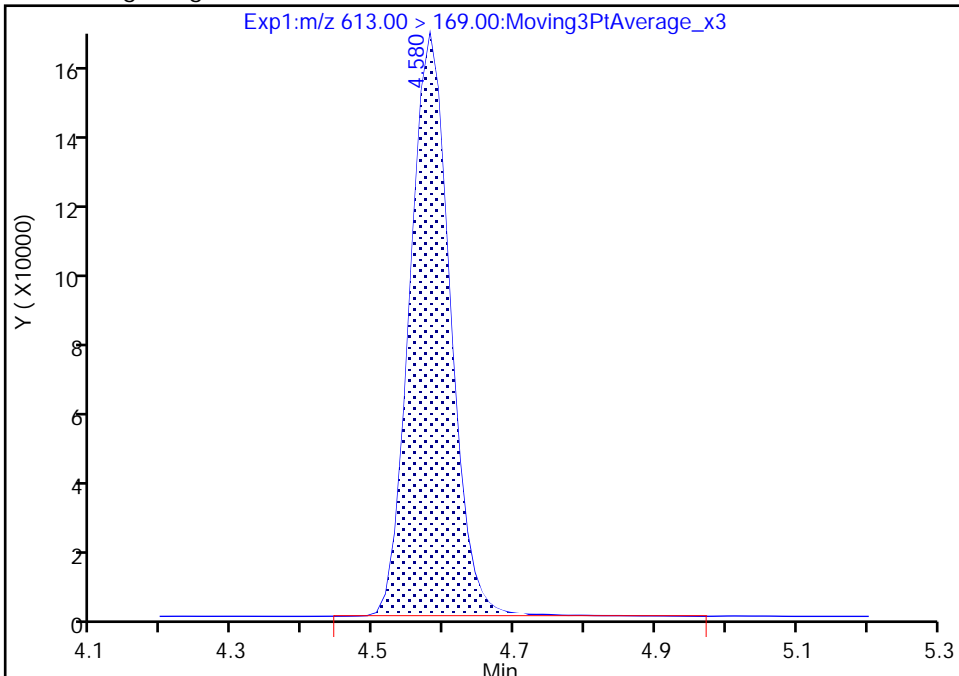
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

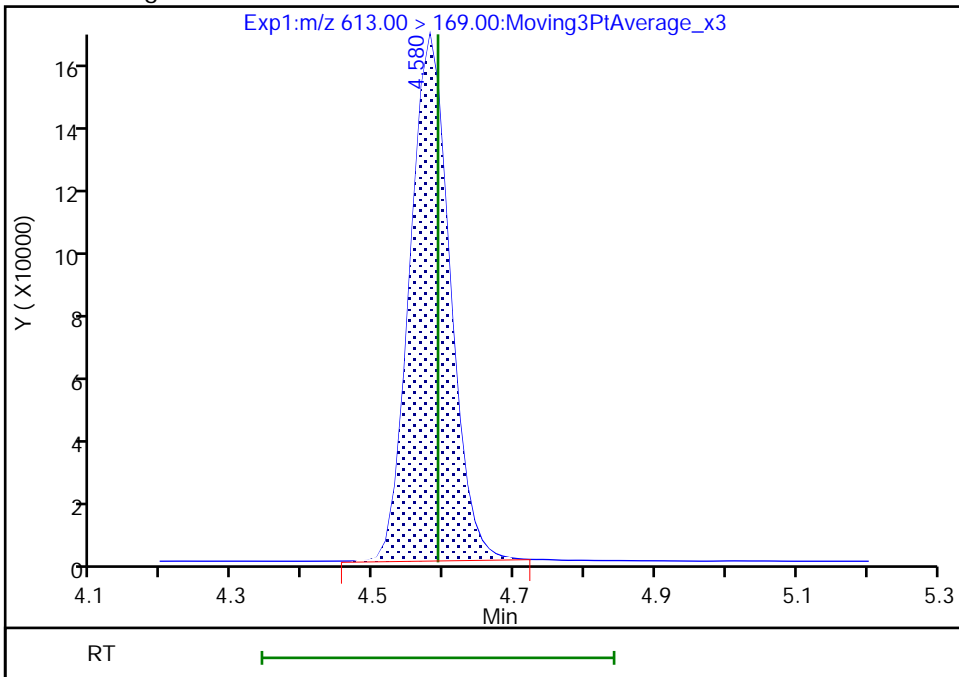
RT: 4.58
Area: 640305
Amount: 2.147415
Amount Units: ng/ml

Processing Integration Results



RT: 4.58
Area: 635442
Amount: 2.135503
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:59:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

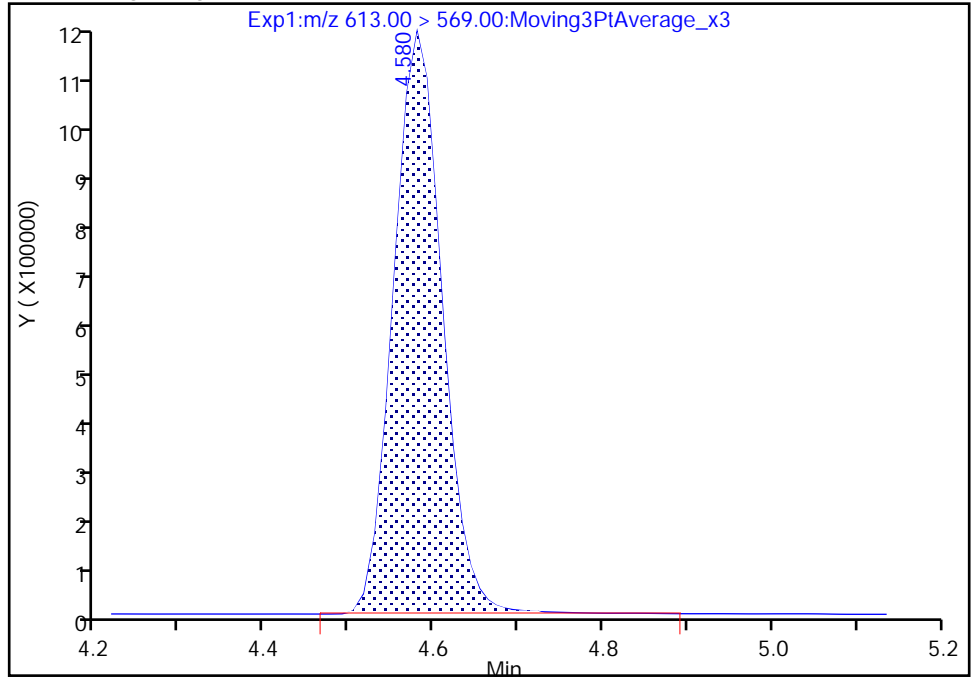
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

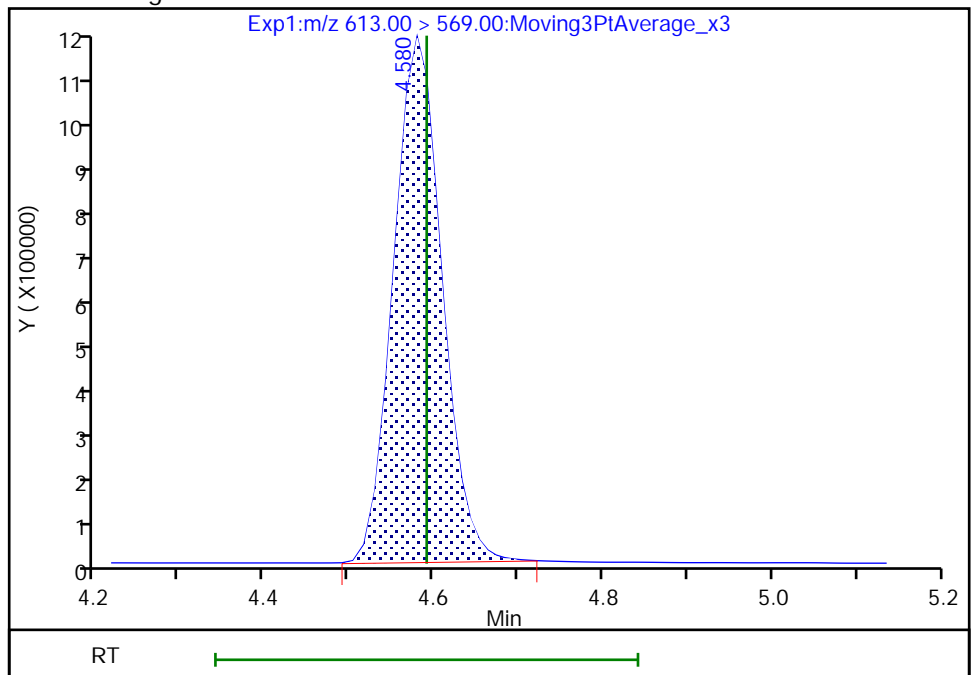
RT: 4.58
Area: 4610743
Amount: 2.147415
Amount Units: ng/ml

Processing Integration Results



RT: 4.58
Area: 4585166
Amount: 2.135503
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:59:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

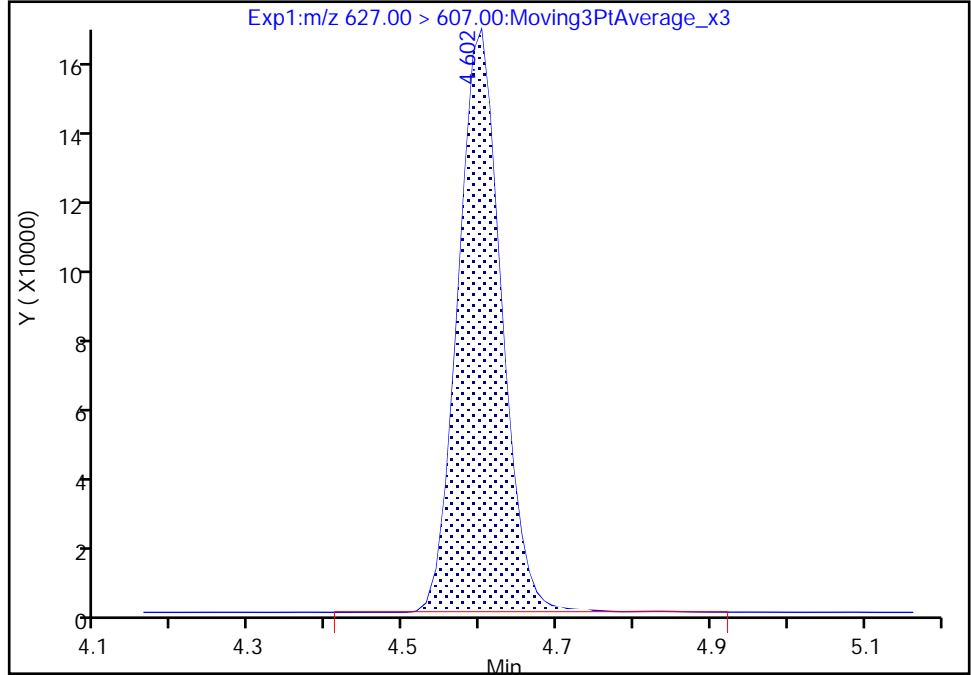
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

74 1H,1H,2H,2H-perfluorododecanesul, CAS: 120226-60-0

Signal: 1

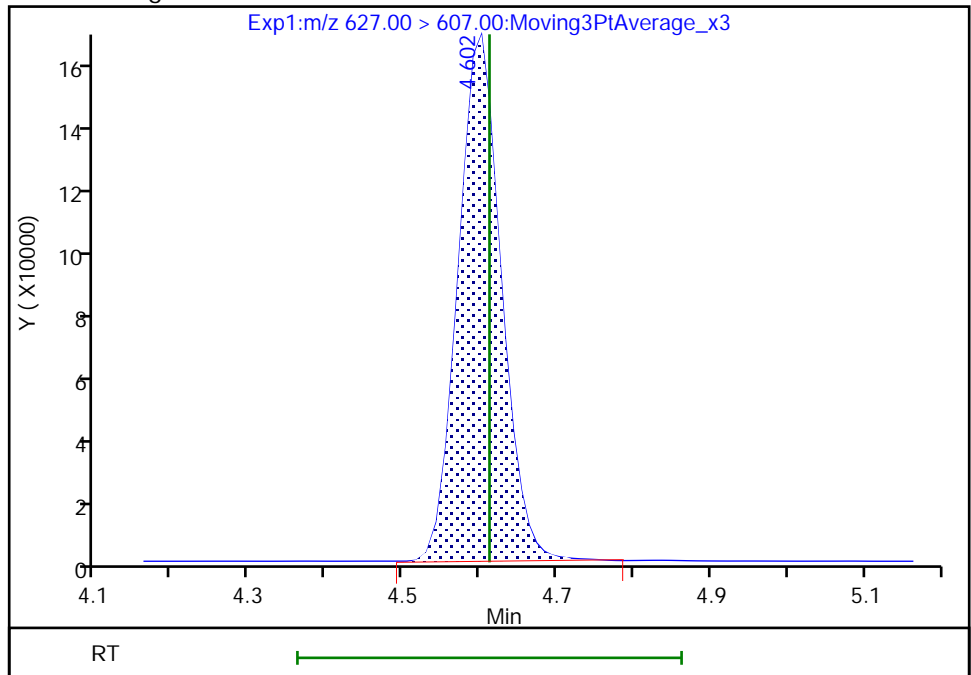
RT: 4.60
Area: 656942
Amount: 2.410289
Amount Units: ng/ml

Processing Integration Results



RT: 4.60
Area: 654135
Amount: 2.399990
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:59:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

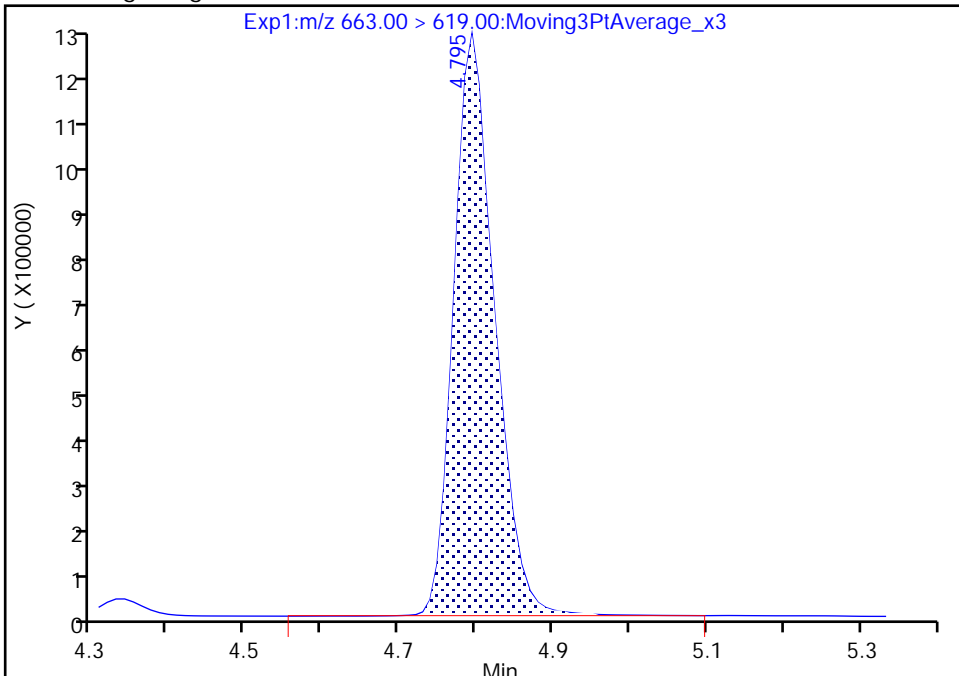
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

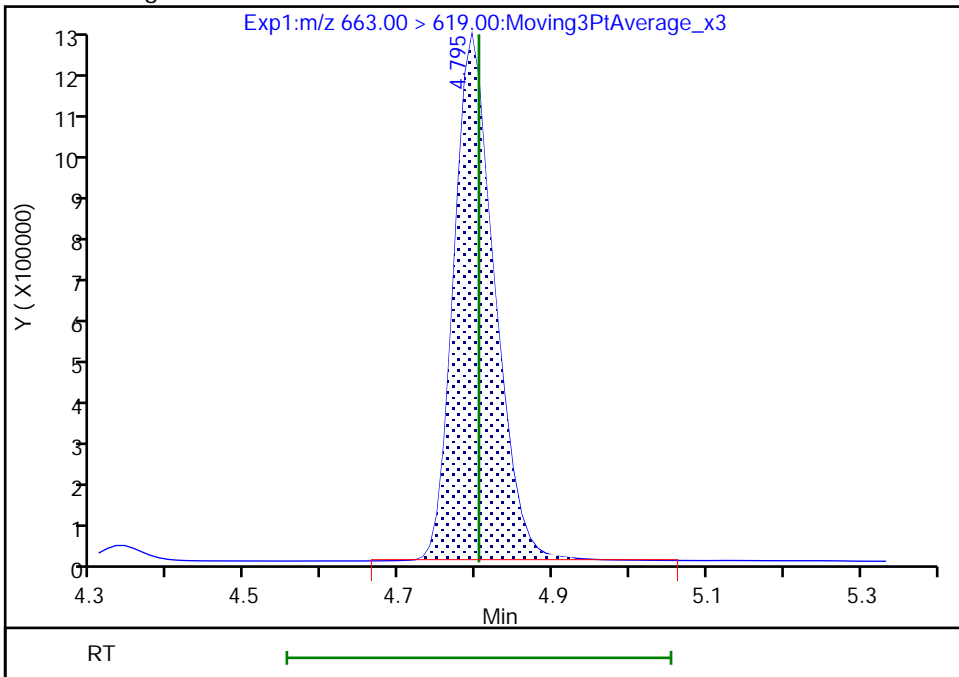
RT: 4.79
Area: 4516554
Amount: 2.199532
Amount Units: ng/ml

Processing Integration Results



RT: 4.79
Area: 4509597
Amount: 2.196144
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:59:20
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

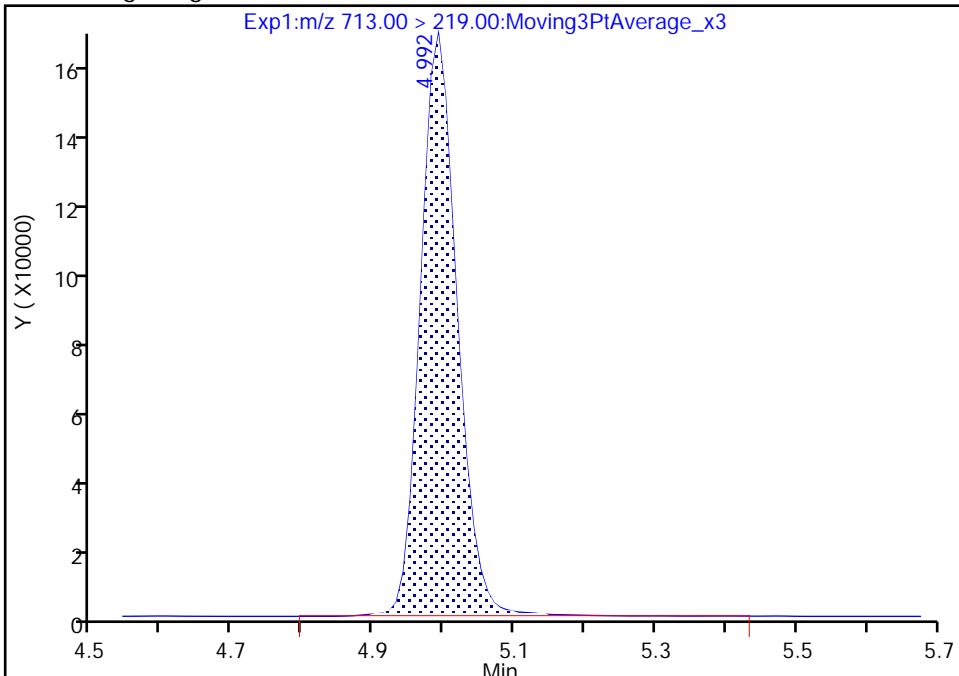
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

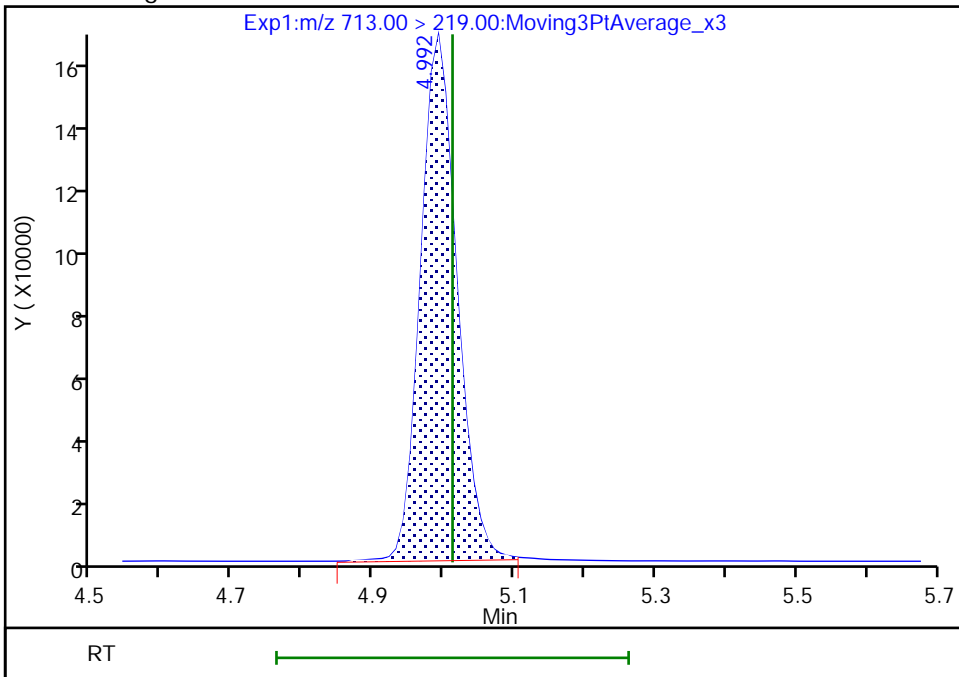
RT: 4.99
Area: 609789
Amount: 2.227980
Amount Units: ng/ml

Processing Integration Results



RT: 4.99
Area: 603410
Amount: 2.224554
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:59:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

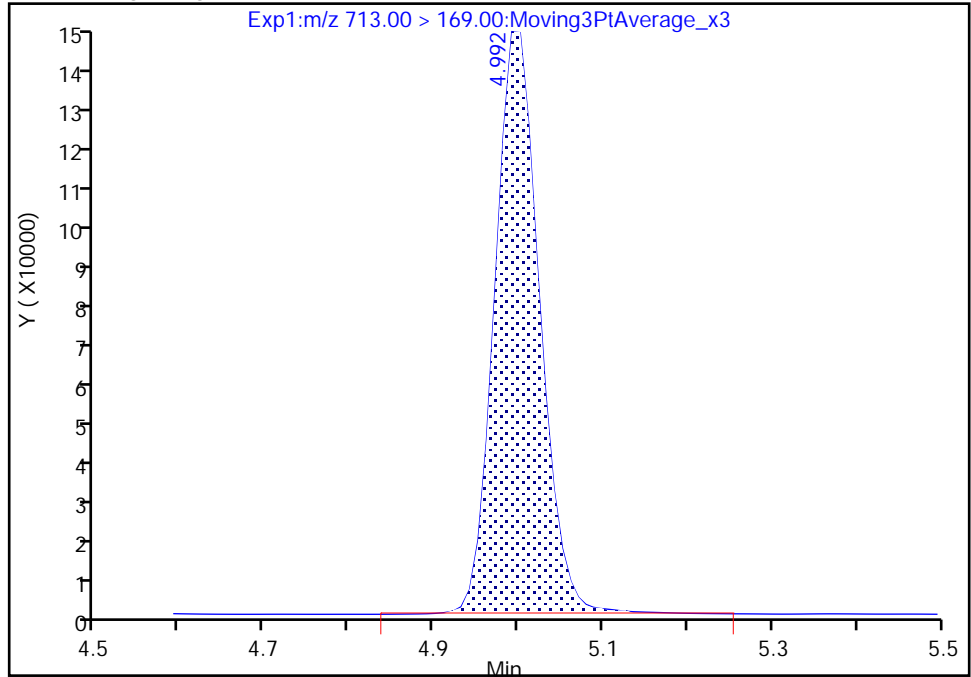
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

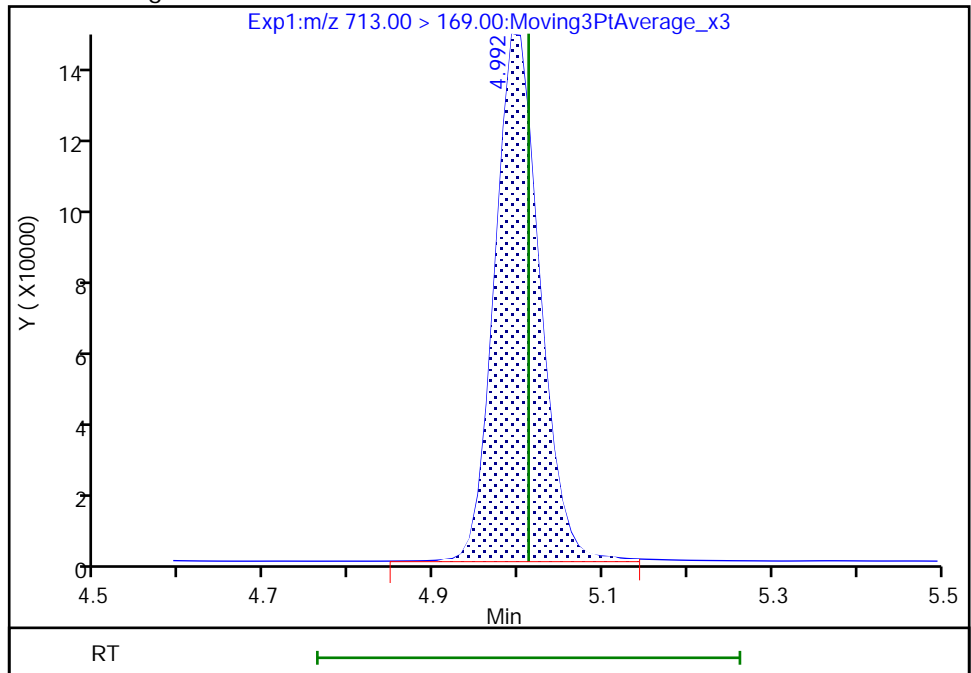
Processing Integration Results

RT: 4.99
Area: 540368
Amount: 2.227980
Amount Units: ng/ml



Manual Integration Results

RT: 4.99
Area: 539537
Amount: 2.224554
Amount Units: ng/ml



Reviewer: nampitkw, 09-Dec-2022 17:59:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

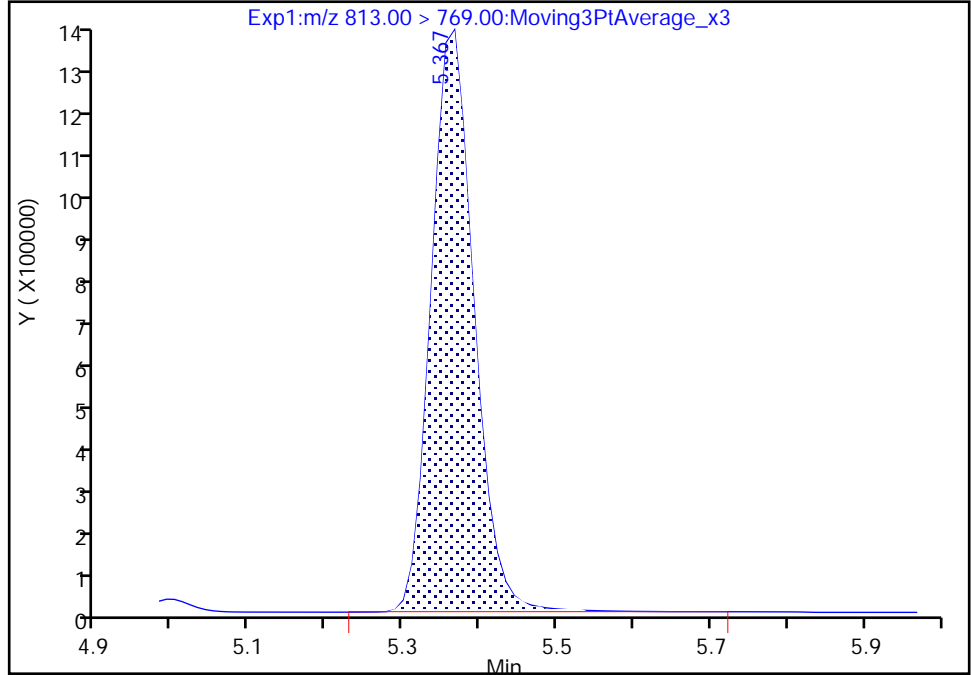
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

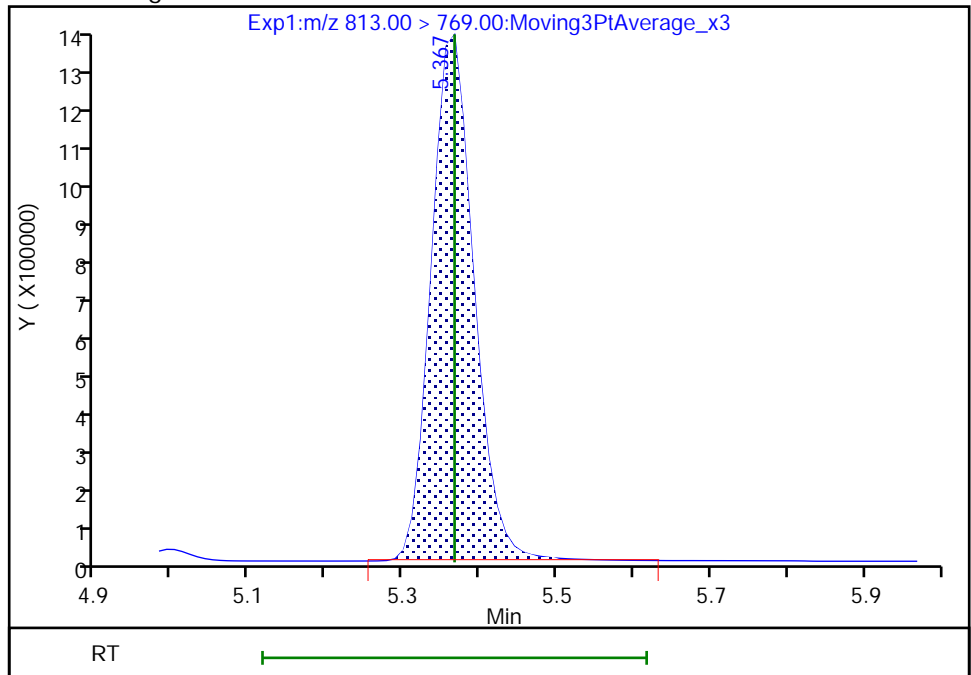
RT: 5.37
Area: 5169220
Amount: 2.442673
Amount Units: ng/ml

Processing Integration Results



RT: 5.37
Area: 5160710
Amount: 2.438623
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 17:59:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

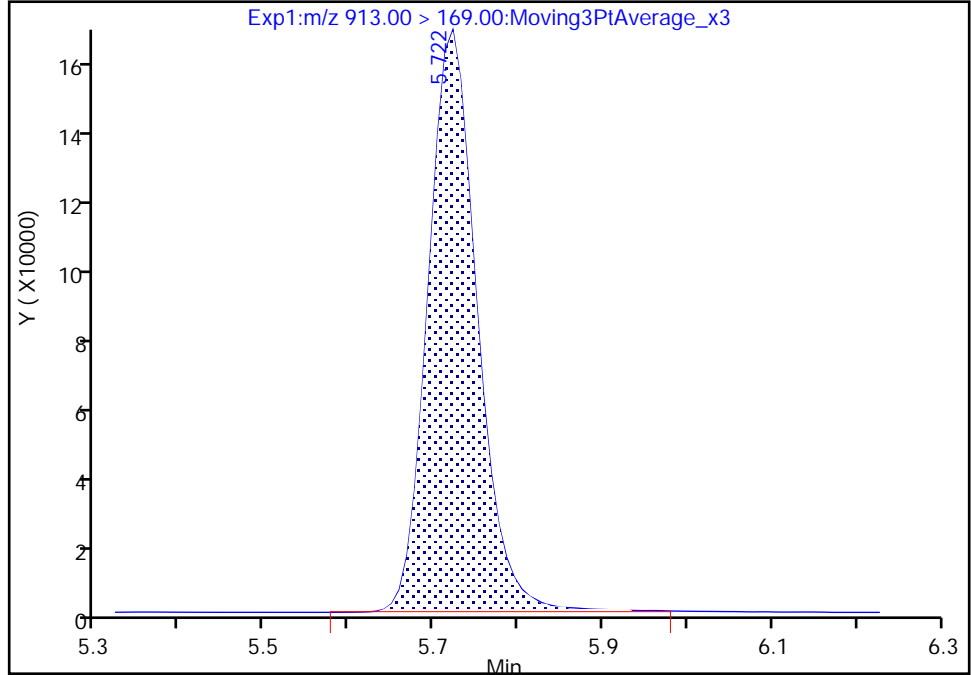
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

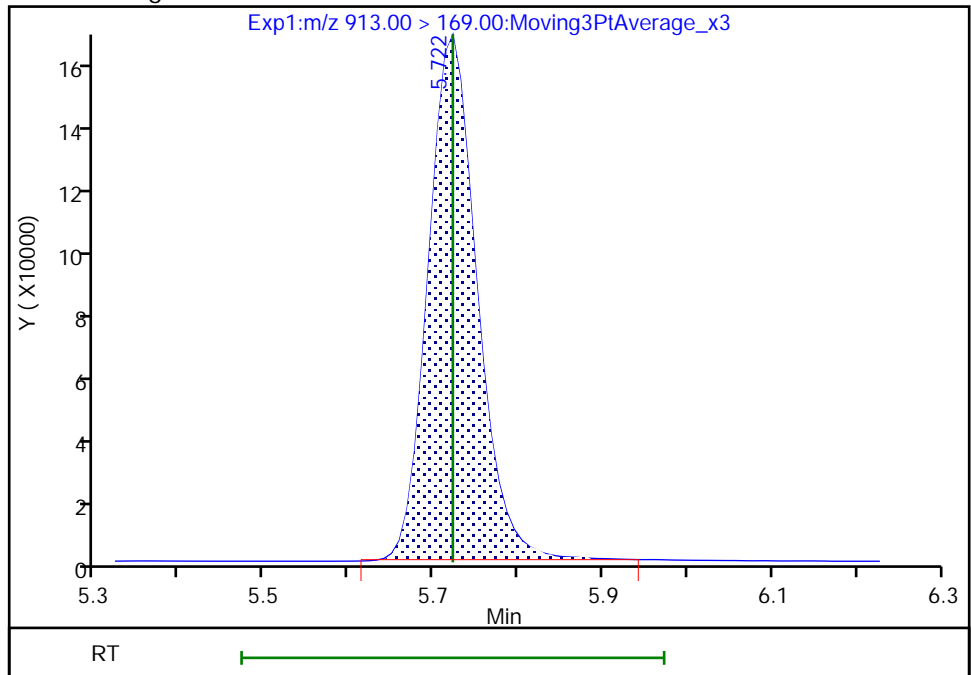
RT: 5.72
Area: 684555
Amount: 2.361236
Amount Units: ng/ml

Processing Integration Results



RT: 5.72
Area: 682243
Amount: 2.338251
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 18:00:24
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

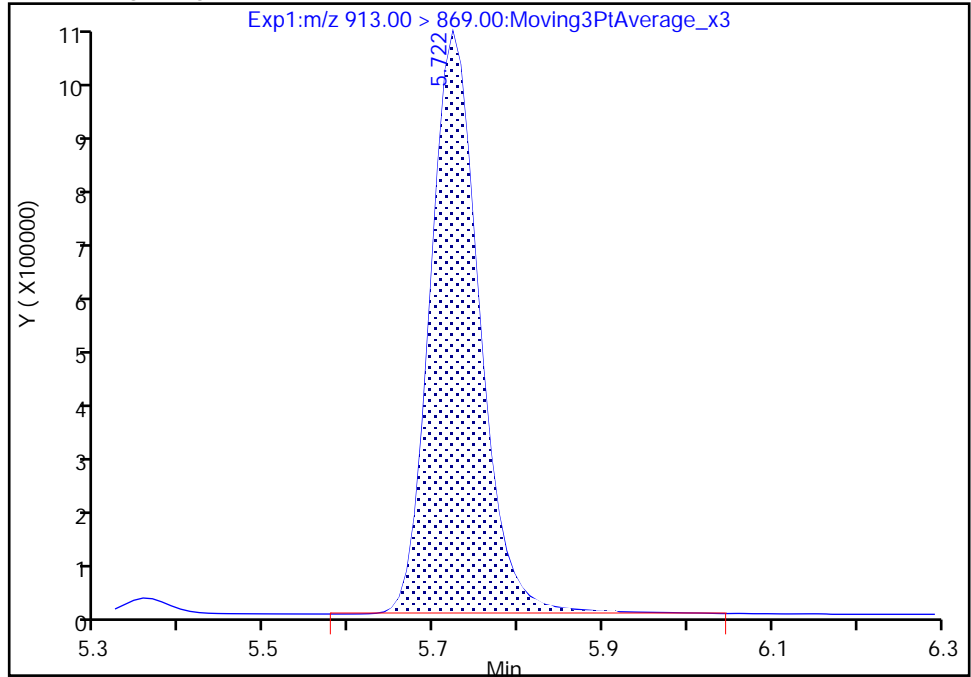
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A30.d
Injection Date: 08-Dec-2022 18:45:45 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 30
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

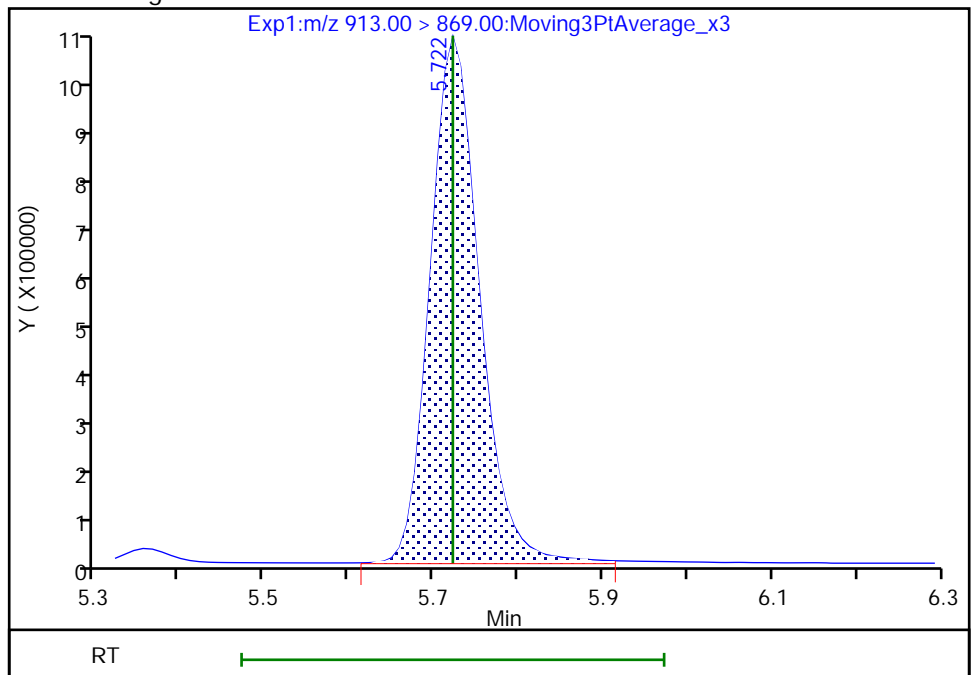
RT: 5.72
Area: 4444556
Amount: 2.361236
Amount Units: ng/ml

Processing Integration Results



RT: 5.72
Area: 4401292
Amount: 2.338251
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 18:00:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-186445/1-A
 Matrix: Solid Lab File ID: PA221208A06.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: SHAKE Date Extracted: 12/07/2022 08:59
 Sample wt/vol: 5.00 (g) Date Analyzed: 12/08/2022 15:29
 Con. Extract Vol.: 10 (mL) Dilution Factor: 1
 Injection Volume: 20 (uL) GC Column: C-18 ID: 4.6 (mm)
 % Moisture: _____ % Solids: _____ GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186513 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.50	U	0.50	0.33
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.055
307-24-4	Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.046
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.039
335-67-1	Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.058
375-95-1	Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.034
335-76-2	Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.028
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.027
307-55-1	Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.025
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.20	U	0.20	0.025
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.20	U	0.20	0.026
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.033
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.041
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.023
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.11
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.019
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.20	U	0.20	0.034
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	U	2.00	0.11
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	U	2.00	0.083
27619-97-2	6:2 FTS	2.00	U	2.00	0.057
39108-34-4	8:2 FTS	2.00	U	2.00	0.037

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-186445/1-A
 Matrix: Solid Lab File ID: PA221208A06.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: SHAKE Date Extracted: 12/07/2022 08:59
 Sample wt/vol: 5.00(g) Date Analyzed: 12/08/2022 15:29
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: _____ % Solids: _____ GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186513 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	100		50-150
STL01892	13C4 PFHpA	93		50-150
STL00990	13C4 PFOA	90		50-150
STL00991	13C4 PFOS	99		50-150
STL00995	13C5 PFNA	94		50-150
STL00992	13C4 PFBA	69		50-150
STL00993	13C2 PFHxA	92		50-150
STL00996	13C2 PFDA	97		50-150
STL00997	13C2 PFUnA	90		50-150
STL00998	13C2 PFDoA	82		50-150
STL01056	13C8 FOSA	95		50-150
STL01893	13C5 PFPeA	83		50-150
STL02116	13C2 PFTeDA	77		50-150
STL02118	d3-NMeFOSAA	94		50-150
STL02117	d5-NEtFOSAA	95		50-150
STL02279	M2-6:2 FTS	99		50-150
STL02280	M2-8:2 FTS	101		50-150
STL02337	13C3 PFBS	89		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A06.d
 Lims ID: MB 200-186445/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 08-Dec-2022 15:29:26 ALS Bottle#: 3 Worklist Smp#: 6
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: MB 200-186445/1-A
 Misc. Info.: 200-0053607-006 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 13-Dec-2022 09:02:46 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1634

First Level Reviewer: nampitakw Date: 09-Dec-2022 14:44:51

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA	217.00 > 172.00	2.086	2.076	0.010	0.609	1981575	0.8593	68.7	8200	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.094	2.076	0.018	1.004	57852	0.0354		5.3		M
D 3 13C5 PFPeA	267.90 > 223.00	2.389	2.387	0.002	0.697	1828702	1.04	83.3	4096	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.402	2.387	0.015	1.006	4520	0.002835		0.1		M
D 47 13C3 PFBS	301.90 > 80.00	2.402	2.400	0.002	0.701	1963389	1.03	88.5	320778	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.402	2.400	0.002	1.000	4426	0.002291	Target=2.09	8.0		M
298.90 > 99.00	2.402	2.400	0.002	1.000	1958		2.26(1.04-3.13)	1.7		M
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.704	2.689	0.015	1.009	199	0.000408		2.6		M
D 60 M2-4:2 FTS	329.00 > 81.00	2.680	2.689	-0.009	0.782	184823	1.10	93.9	176	M
D 7 13C2 PFHxA	315.00 > 270.00	2.716	2.725	-0.009	0.793	2112131	1.15	91.8	4700	
6 Perfluorohexanoic acid										RM
313.00 > 269.00	2.716	2.725	-0.009	1.000	2766	0.001502	Target=14.25	0.8		RM
313.00 > 119.00	2.704	2.725	-0.021	0.996	610		4.53(7.12-21.37)	1.5		M
70 Perfluoropentanesulfonic acid										RM
349.00 > 80.00	2.716	2.737	-0.021	0.884	373	0.000201	Target=3.04	1.8		RM
349.00 > 99.00	2.728	2.737	-0.009	0.888	384		0.97(1.52-4.56)	1.1		M
D 64 13C3 HFPO-DA	287.00 > 169.00	2.826	2.835	-0.009	0.825	350618	1.08	86.4	1398	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 11 18O2 PFHxS										
403.00 > 84.00	3.072	3.088	-0.016	0.896	1644791	1.18		100	2201	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.072	3.088	-0.016	1.000	5129	0.003267	Target=3.66	17.1		M
399.00 > 99.00	3.072	3.088	-0.016	1.000	1659		3.09(1.83-5.49)	2.2		M
D 9 13C4 PFHpA										
367.00 > 322.00	3.083	3.099	-0.016	0.900	2210963	1.17		93.5	2923	
10 Perfluoroheptanoic acid										RM
363.00 > 319.00	3.072	3.099	-0.027	0.996	4285	0.002225	Target=3.97	0.8		RM
363.00 > 169.00	3.094	3.099	-0.005	1.004	625		6.86(1.98-5.95)	1.6		M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.418	3.439	-0.021	0.997	273024	1.17		98.6	733	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.418	3.439	-0.021	1.000	1523	-0.008737		8.2		M
D 14 13C4 PFOA										
417.00 > 372.00	3.427	3.448	-0.021	1.000	2397225	1.13		90.1	4915	
* 62 13C2 PFOA										
415.00 > 370.00	3.427	3.448	-0.021		2569926	1.25			2398	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.435	3.448	-0.013	1.003	7294	0.003558	Target=2.79	0.5		
413.00 > 169.00	3.435	3.448	-0.013	1.003	2424		3.01(1.40-4.19)	3.6		M
D 18 13C4 PFOS										
503.00 > 80.00	3.741	3.764	-0.023	1.092	1115213	1.18		98.9	2913	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.751	3.764	-0.013	1.003	3963	0.003492	Target=5.11	3.7		M
499.00 > 99.00	3.659	3.764	-0.105	0.978	857		4.62(2.55-7.66)	3.0		M
D 19 13C5 PFNA										
468.00 > 423.00	3.760	3.783	-0.023	1.097	2425439	1.17		93.8	3447	M
D 23 13C2 PFDA										
515.00 > 470.00	4.060	4.081	-0.021	1.185	2548749	1.21		96.8	7330	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.070	4.093	-0.023	1.188	343308	1.20		101	769	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.070	4.093	-0.023	1.000	117	0.000252		1.9		M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.126	4.150	-0.024	1.000	2195	0.001276		10.0		M
D 21 13C8 FOSA										
506.00 > 78.00	4.126	4.150	-0.024	1.204	2057788	1.19		95.3	3163	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.206	4.228	-0.022	1.227	501549	1.17		93.5	1471	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.227	4.228	-0.001	1.005	336	-0.0107		0.7		M
D 30 13C2 PFUnA										
565.00 > 520.00	4.330	4.353	-0.023	1.264	2165117	1.12		89.8	5651	
31 Perfluoroundecanoic acid										RM
563.00 > 519.00	4.352	4.353	-0.001	1.005	532	0.000305	Target=9.88	0.4		RM
563.00 > 169.00	4.352	4.353	-0.001	1.005	287		1.85(4.94-14.82)	4.3		M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.352	4.365	-0.013	1.003	258	0.000714			3.1	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.341	4.365	-0.024	1.267	504224	1.19		95.5	1149	
66 11-Chloroeicosafuoro-3-oxaundec										M
631.00 > 451.00	4.442	4.454	-0.012	1.187	908	0.000226			4.6	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.579	4.591	-0.012	1.000	1945	0.001137	Target=7.77		0.2	
613.00 > 169.00	4.579	4.591	-0.012	1.000	307		6.34(3.89-11.66)		4.3	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.579	4.591	-0.012	1.336	2018808	1.03		82.2	4998	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	4.991	5.012	-0.021	1.000	414	0.002300	Target=0.89		4.4	M
713.00 > 219.00	5.001	5.012	-0.011	1.002	364		1.14(0.44-1.33)		6.8	M
D 43 13C2 PFTeDA										
715.00 > 670.00	4.991	5.012	-0.021	1.456	1643473	0.9666		77.3	4589	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.354	5.367	-0.013	1.000	18260	-0.004705	Target=5.65		2.4	
813.00 > 169.00	5.354	5.367	-0.013	1.000	3093		5.90(2.82-8.47)		38.4	
D 44 13C2 PFHxDA										
815.00 > 770.00	5.354	5.367	-0.013	1.563	2006069	0.9543		76.3	3805	

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A06.d

Injection Date: 08-Dec-2022 15:29:26

Instrument ID: LC812

Lims ID: MB 200-186445/1-A

Client ID:

Operator ID: lc812tech

ALS Bottle#: 3

Worklist Smp#: 6

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

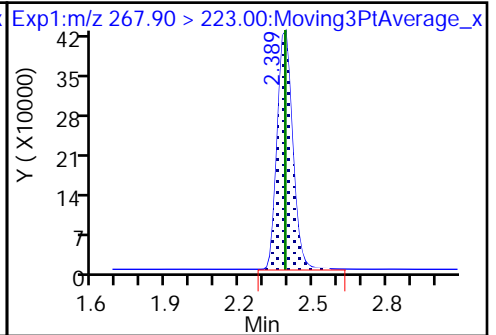
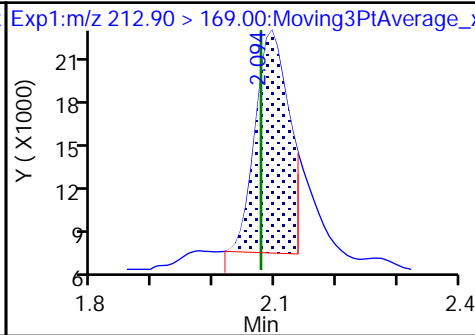
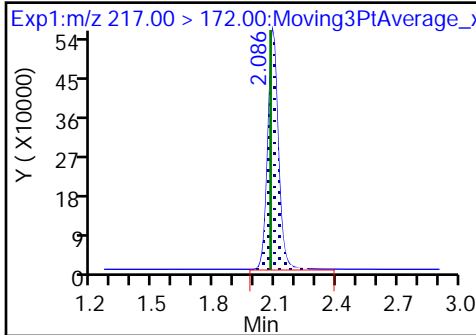
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

D 3 13C5 PFPeA



RT [green bar]

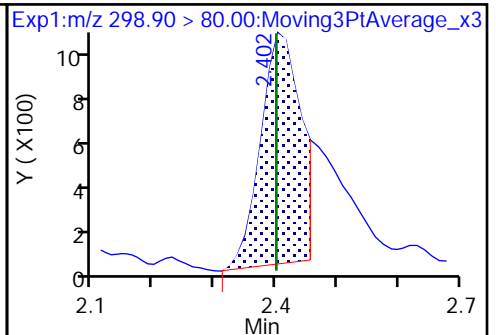
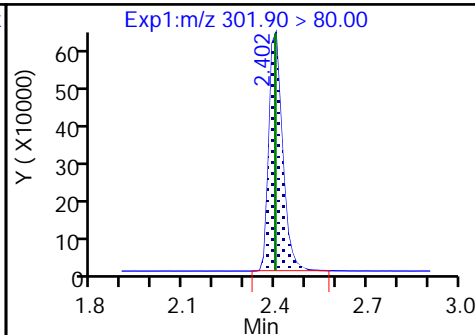
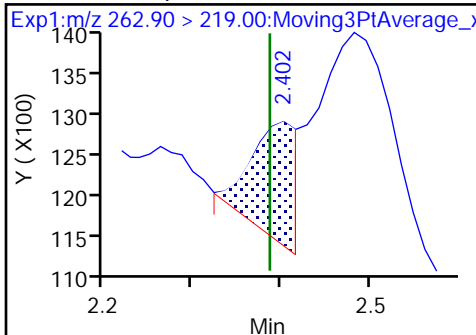
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RT [green bar]

4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS (M)

5 Perfluorobutanesulfonic acid (M)



RT [green bar]

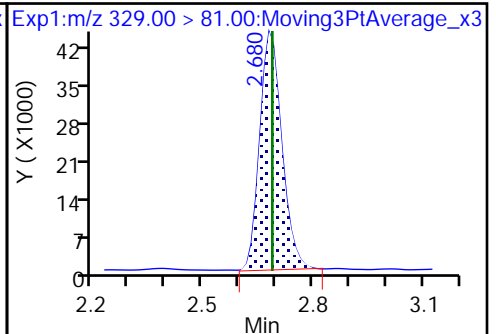
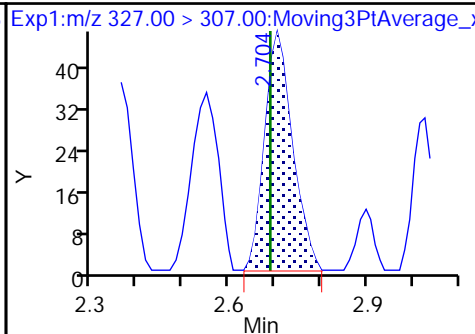
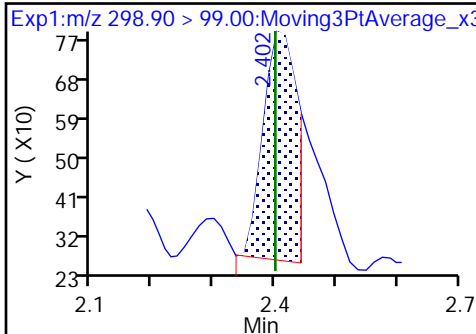
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RT [green bar]

5 Perfluorobutanesulfonic acid (M)

61 1H,1H,2H,2H-perfluorohexanesulfo (M)

60 M2-4:2 FTS (M)



RT [green bar]

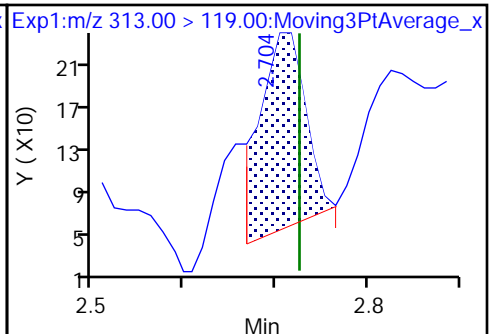
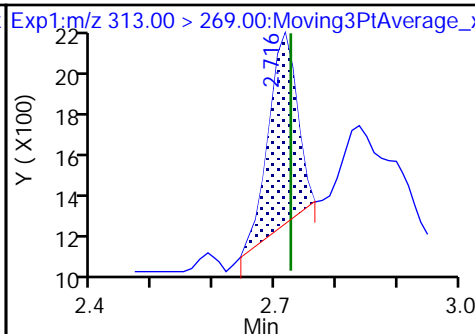
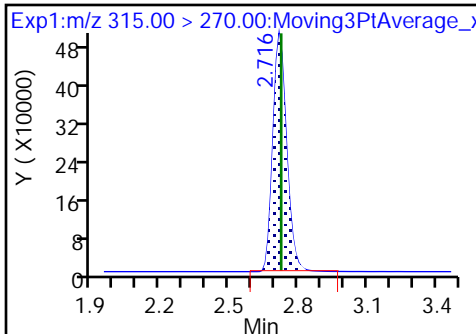
RT [green bar]

RT [green bar]

D 7 13C2 PFHxA

6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid (M)



RT [green bar]

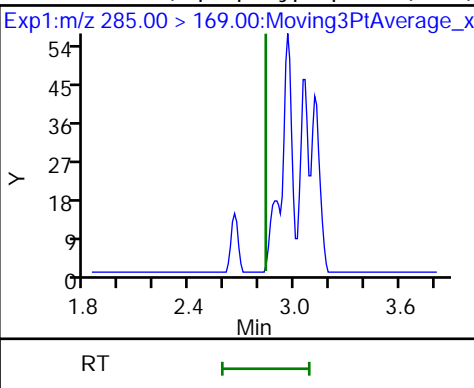
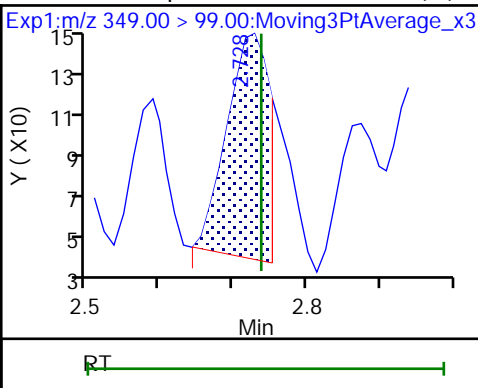
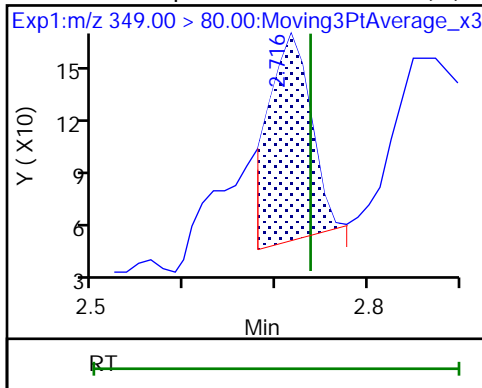
RT [green bar]

RT [green bar]

70 Perfluoropentanesulfonic acid (M)

70 Perfluoropentanesulfonic acid (M)

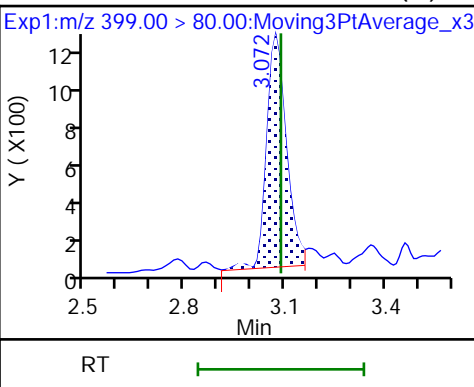
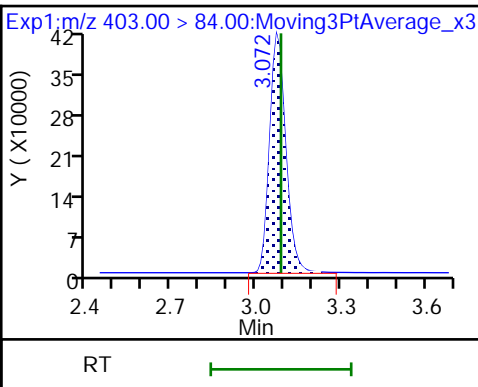
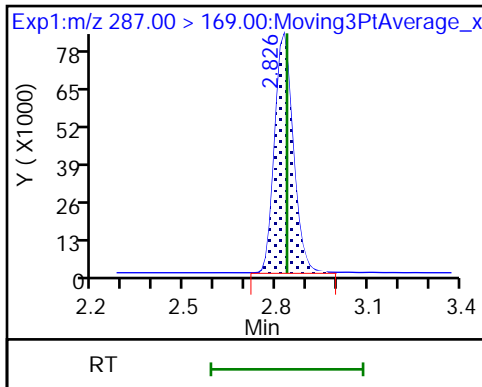
67 Perfluoro(2-propoxypropanoic) ac (ND)



D 64 13C3 HFPO-DA

D 11 18O2 PFHxS

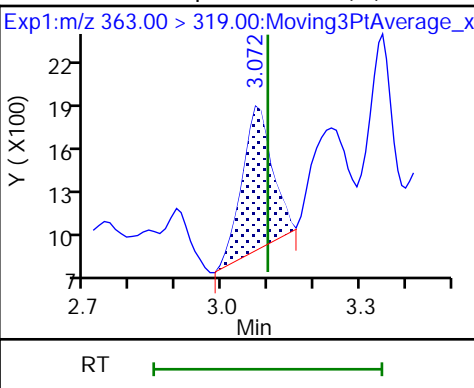
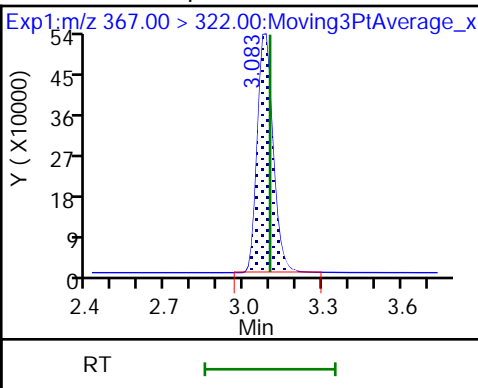
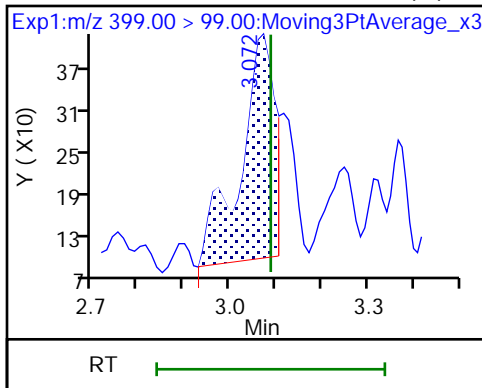
8 Perfluorohexanesulfonic acid (M)



8 Perfluorohexanesulfonic acid (M)

D 9 13C4 PFHpA

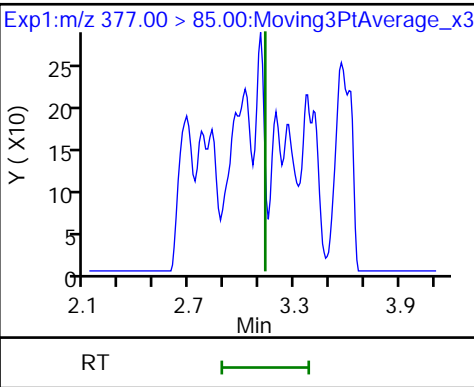
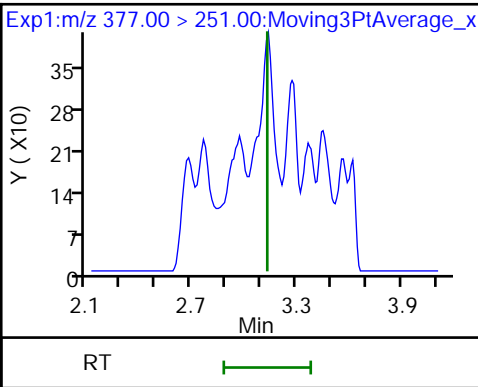
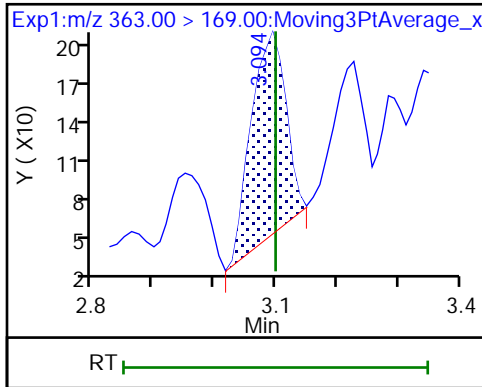
10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid (M)

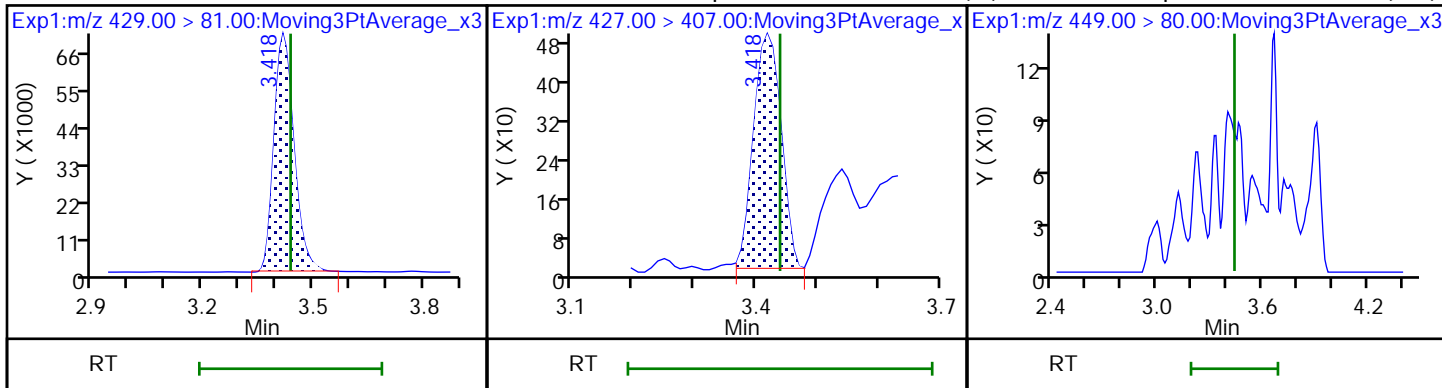
77 DONA (ND)

77 DONA (ND)



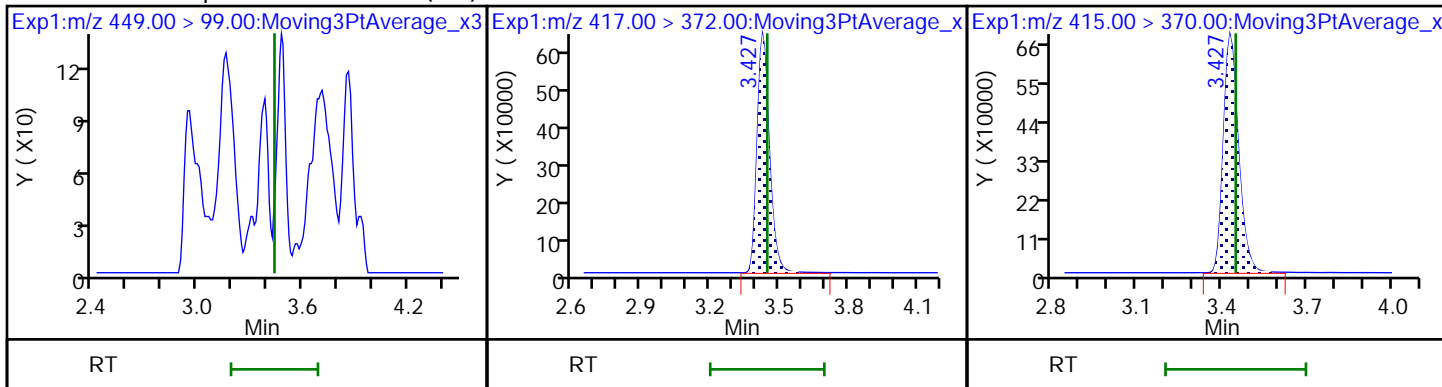
D 12 M2-6:2 FTS

13 1H,1H,2H,2H-perfluorooctanesulfo (M) 6 Perfluoroheptanesulfonic acid (ND)



16 Perfluoroheptanesulfonic acid (ND) D 14 13C4 PFOA

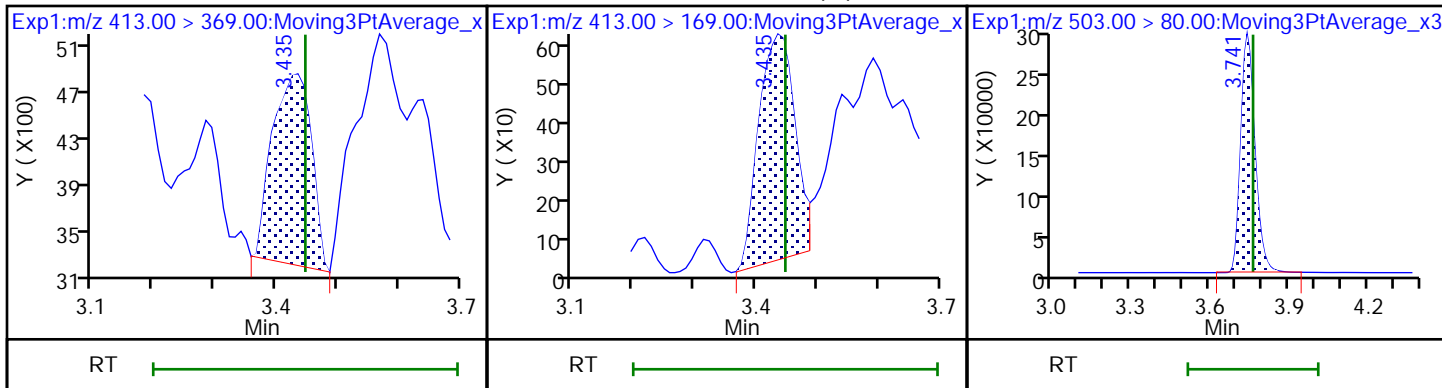
* 62 13C2 PFOA



15 Perfluorooctanoic acid

15 Perfluorooctanoic acid (M)

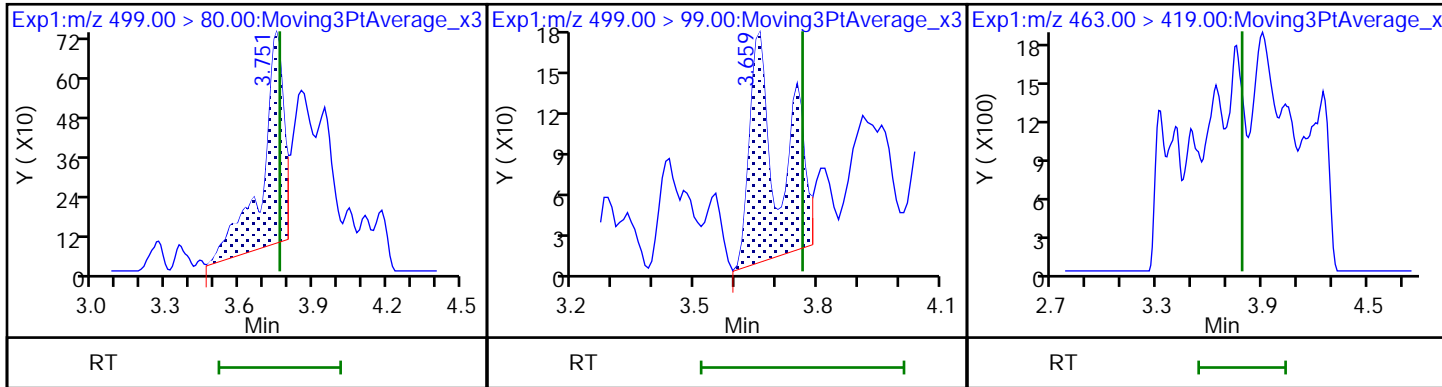
D 18 13C4 PFOS

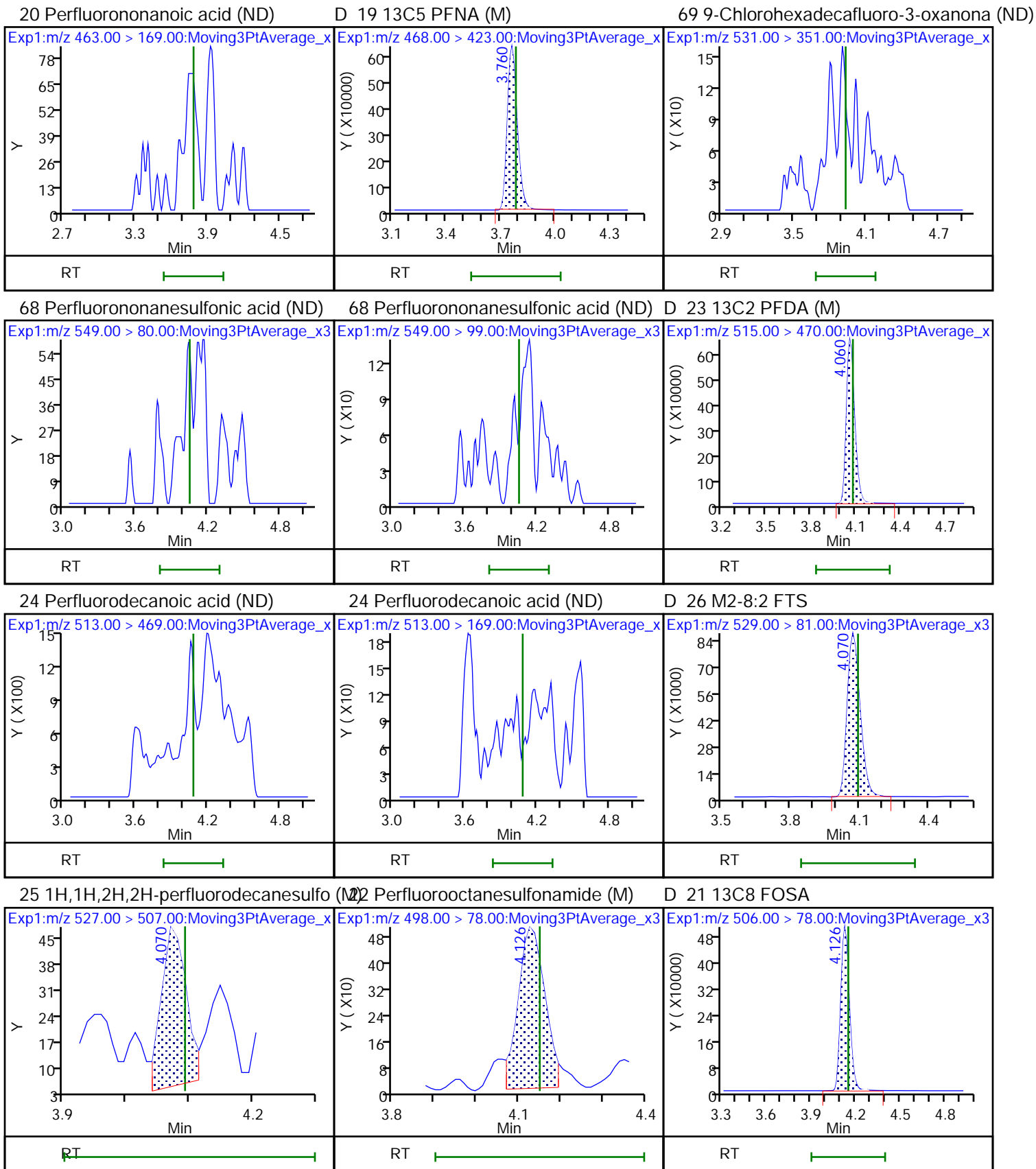


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

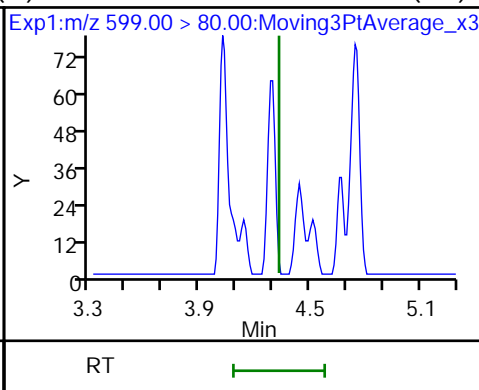
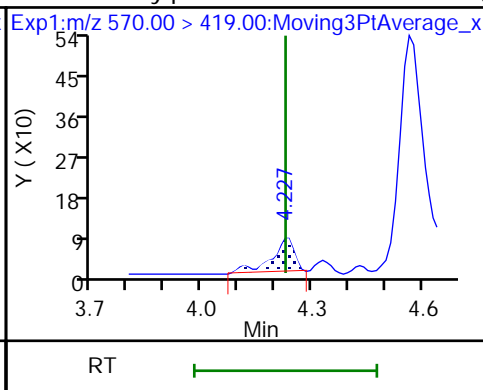
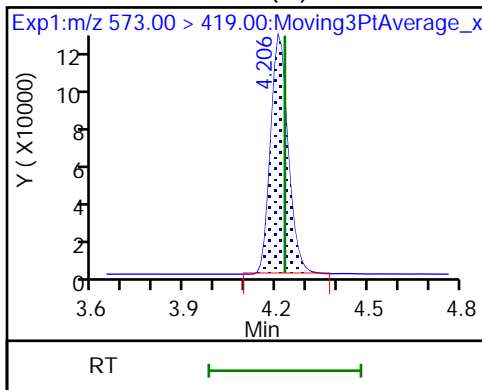
20 Perfluorononanoic acid (ND)





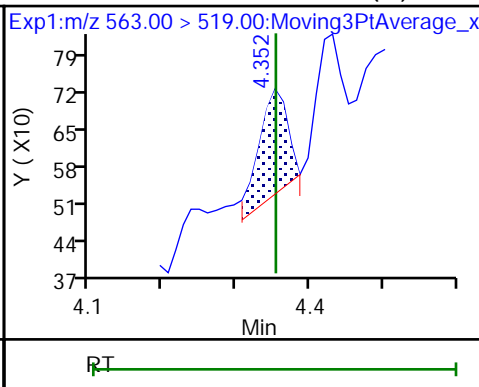
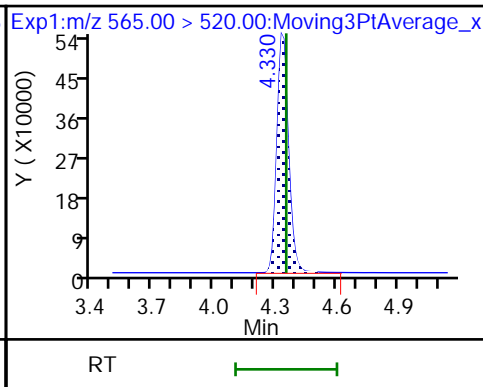
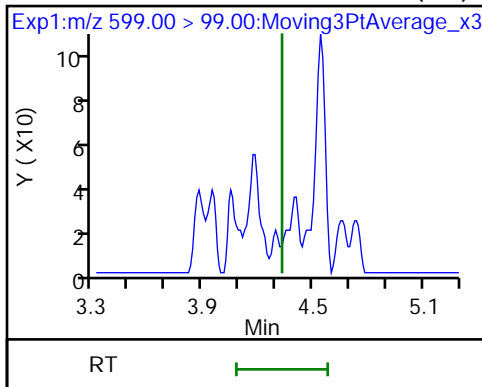
D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M) 29 Perfluorodecanesulfonic acid (ND)



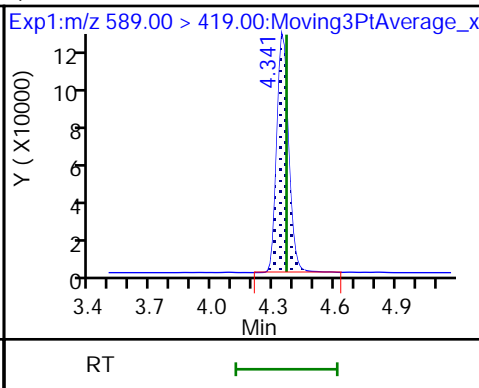
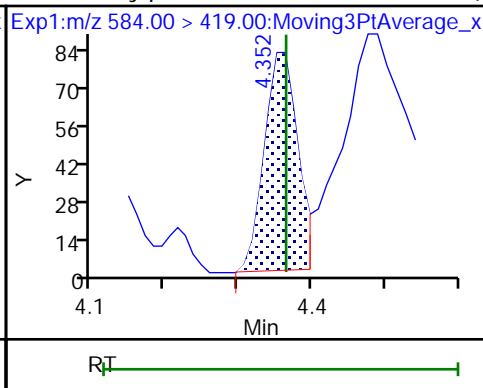
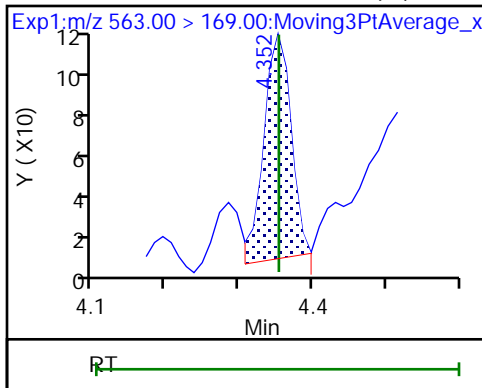
29 Perfluorodecanesulfonic acid (ND) D 30 13C2 PFUoA

31 Perfluoroundecanoic acid (M)



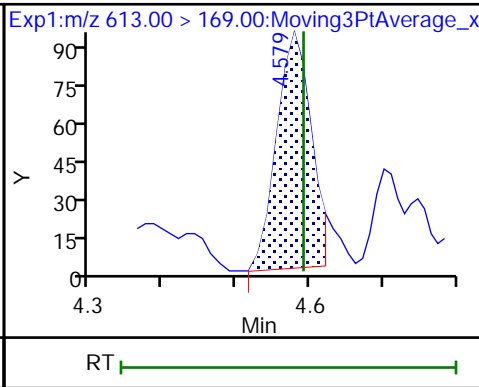
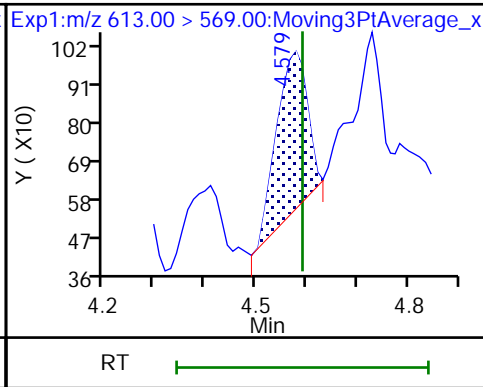
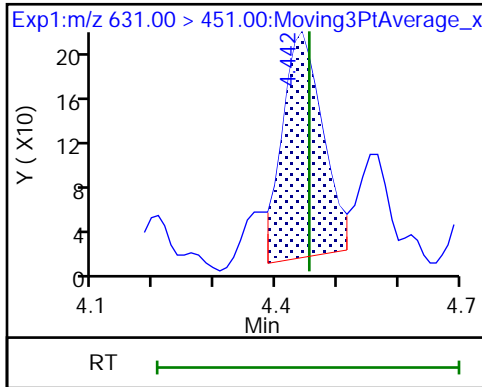
31 Perfluoroundecanoic acid (M)

33 N-ethylperfluorooctanesulfonamid (ND) 32 d5-NEtFOSAA



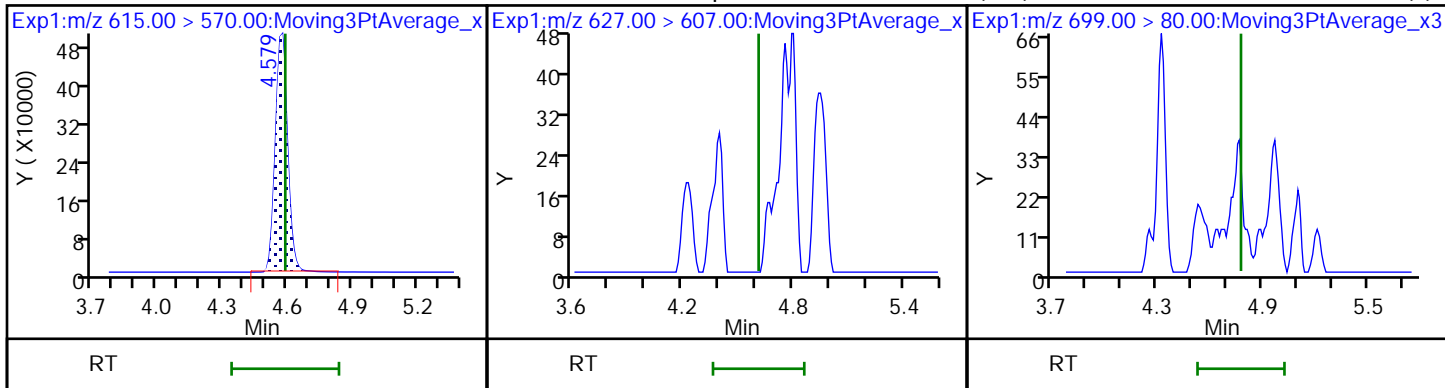
66 11-Chloroeicosafuoro-3-oxaundec (M) 37 Perfluorododecanoic acid

37 Perfluorododecanoic acid (M)



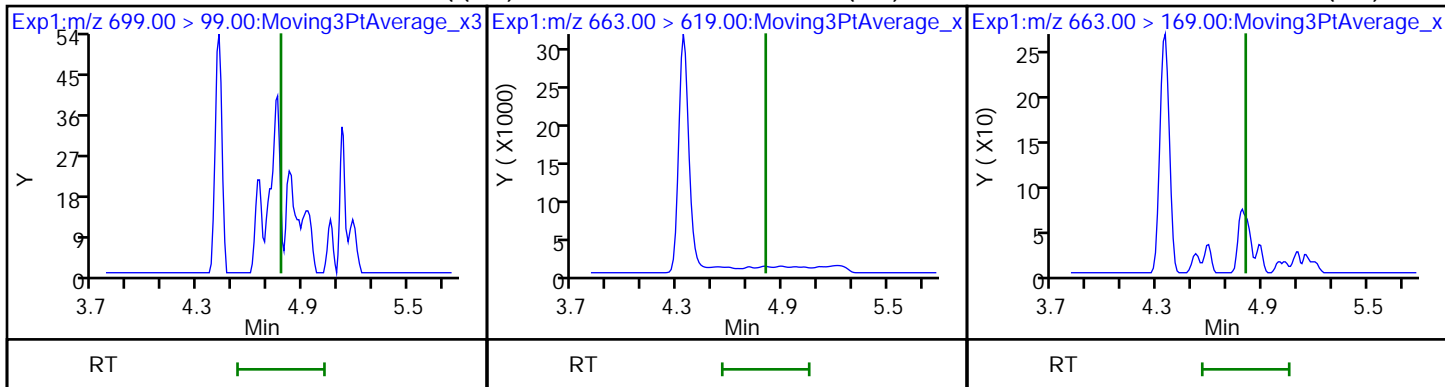
D 36 13C2 PFD0A

74 1H,1H,2H,2H-perfluorododecanesul (ND) Perfluorododecanesulfonic acid ((ND)



75 Perfluorododecanesulfonic acid ((ND) 1 Perfluorotridecanoic acid (ND)

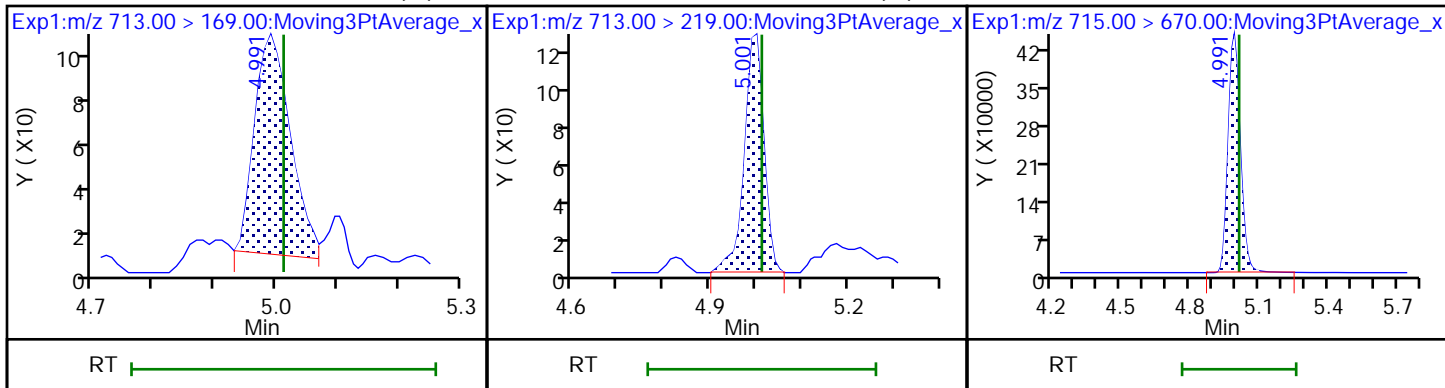
41 Perfluorotridecanoic acid (ND)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

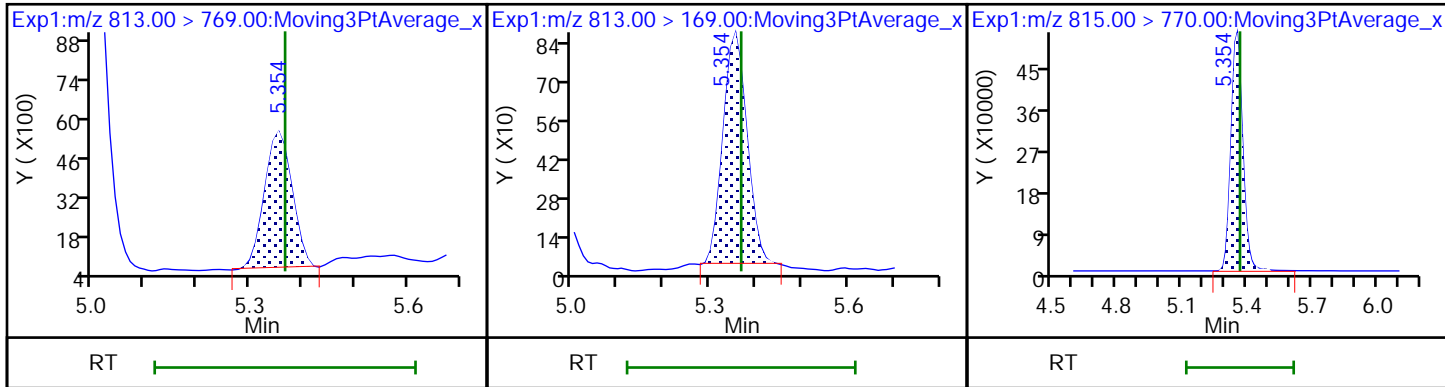
D 43 13C2 PFTeDA



45 Perfluorohexadecanoic acid

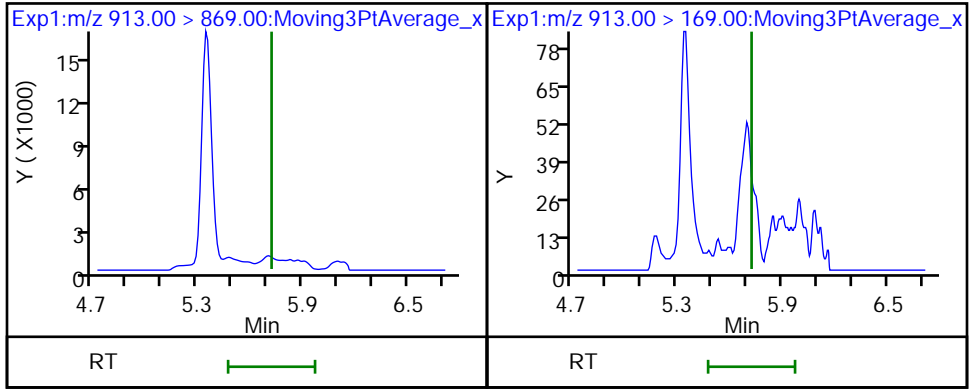
45 Perfluorohexadecanoic acid

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (ND)

46 Perfluorooctadecanoic acid (ND)



Eurofins Burlington

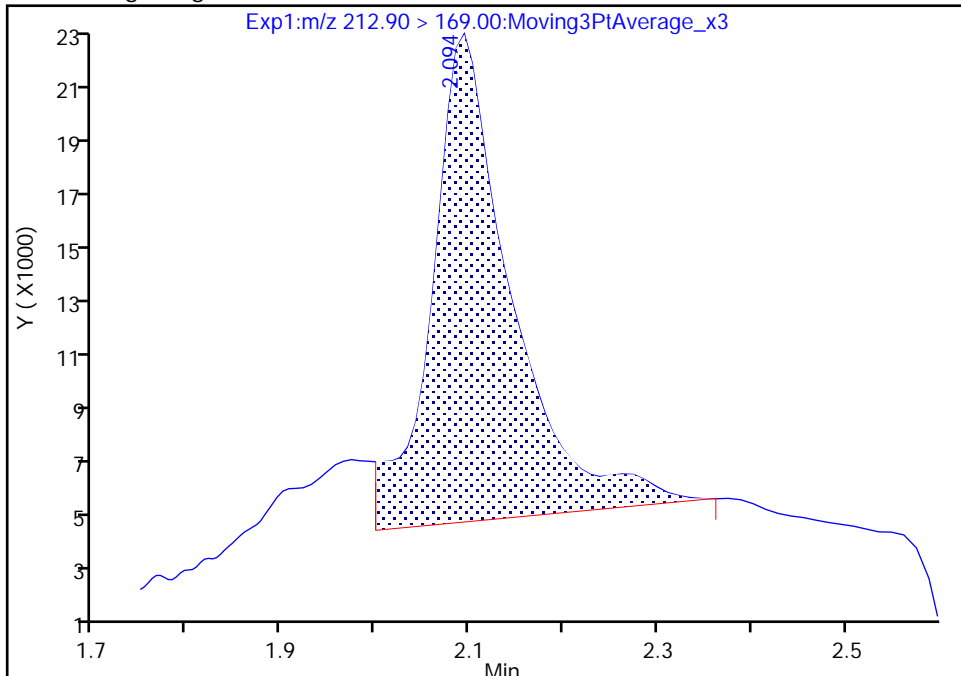
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A06.d
Injection Date: 08-Dec-2022 15:29:26 Instrument ID: LC812
Lims ID: MB 200-186445/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

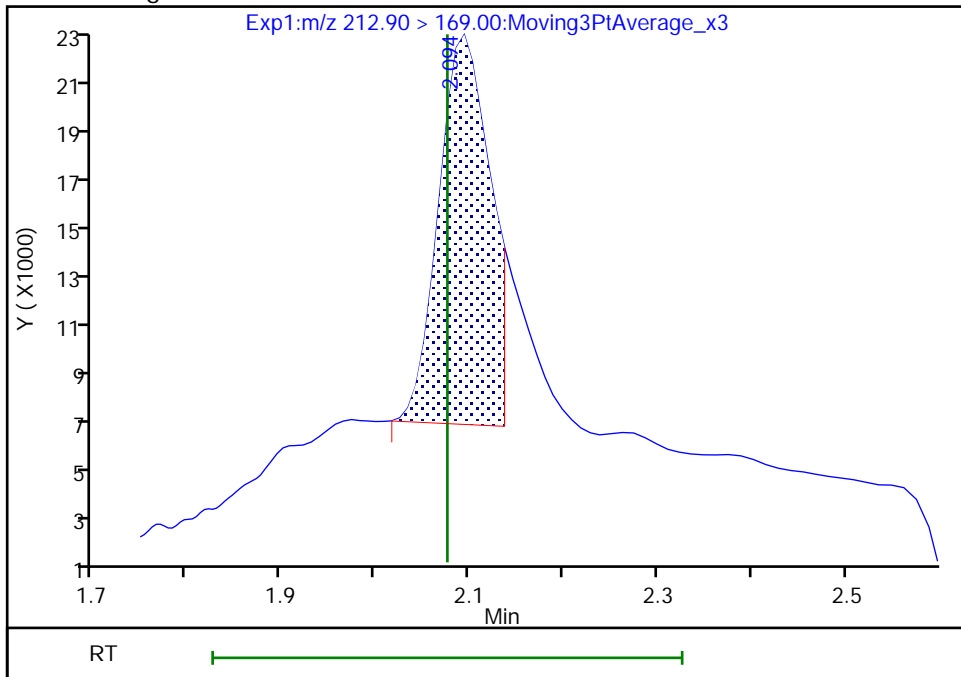
RT: 2.09
Area: 102756
Amount: 0.062859
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 57852
Amount: 0.035390
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:39:04
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

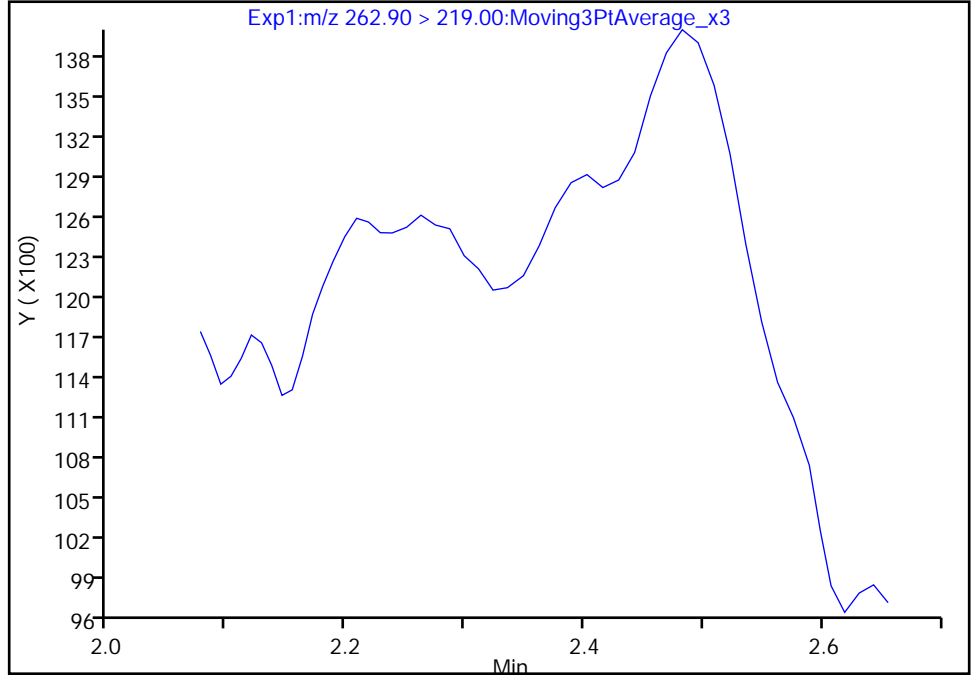
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A06.d
Injection Date: 08-Dec-2022 15:29:26 Instrument ID: LC812
Lims ID: MB 200-186445/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

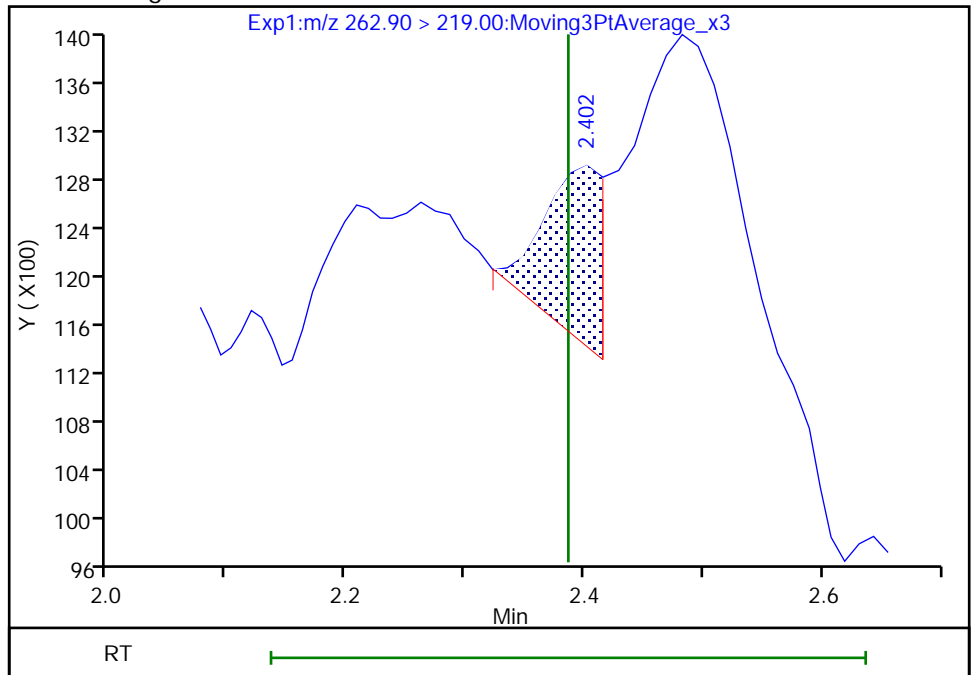
Not Detected
Expected RT: 2.39

Processing Integration Results



Manual Integration Results

RT: 2.40
Area: 4520
Amount: 0.002835
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 14:39:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

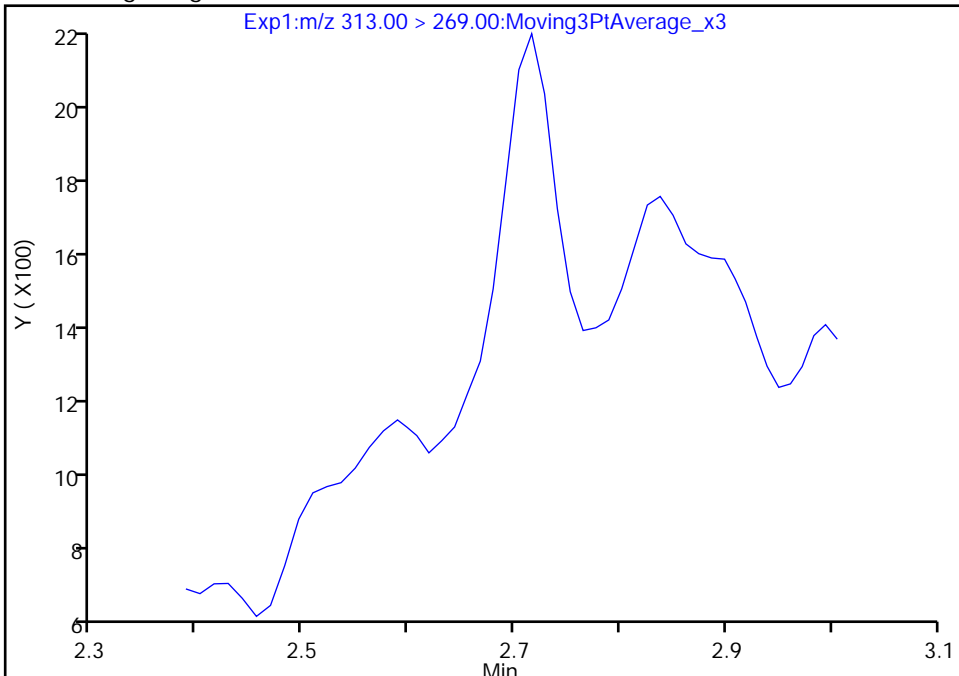
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A06.d
Injection Date: 08-Dec-2022 15:29:26 Instrument ID: LC812
Lims ID: MB 200-186445/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

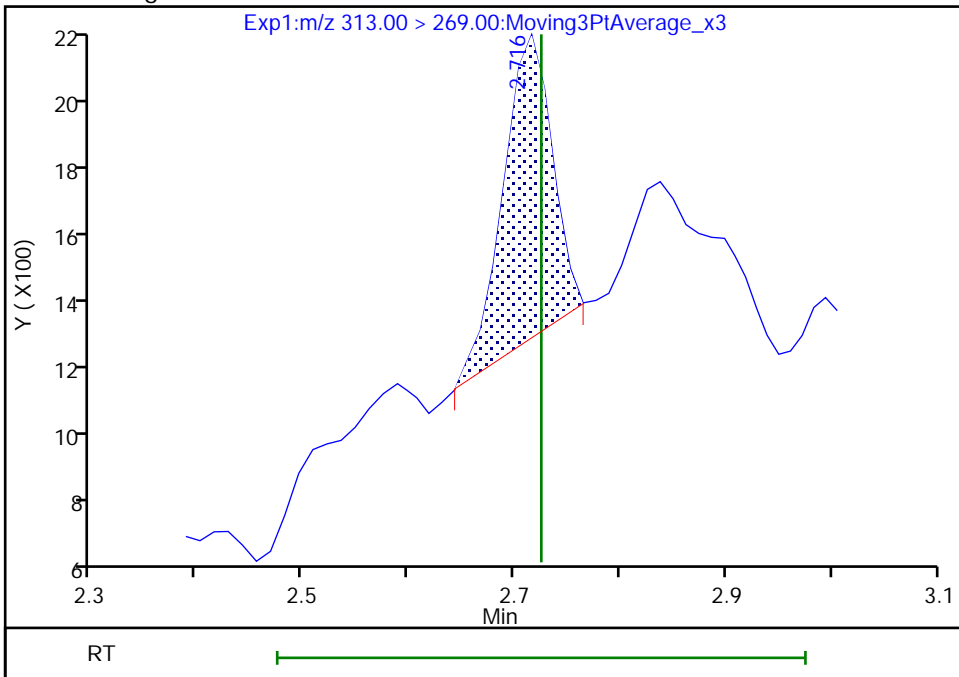
Not Detected
Expected RT: 2.73

Processing Integration Results



Manual Integration Results

RT: 2.72
Area: 2766
Amount: 0.001502
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 14:39:36
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

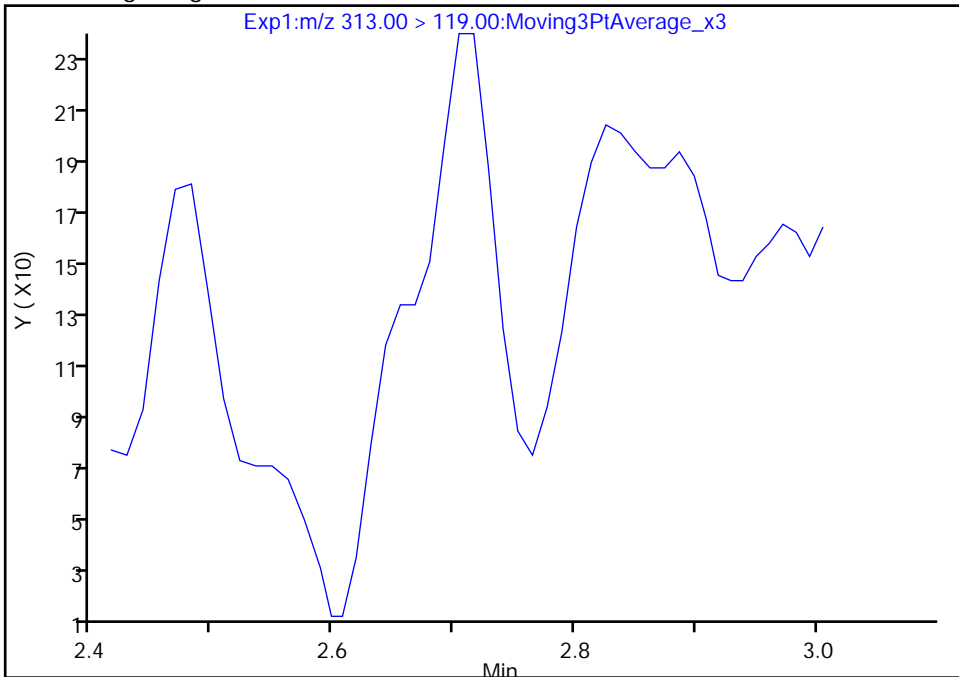
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A06.d
Injection Date: 08-Dec-2022 15:29:26 Instrument ID: LC812
Lims ID: MB 200-186445/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

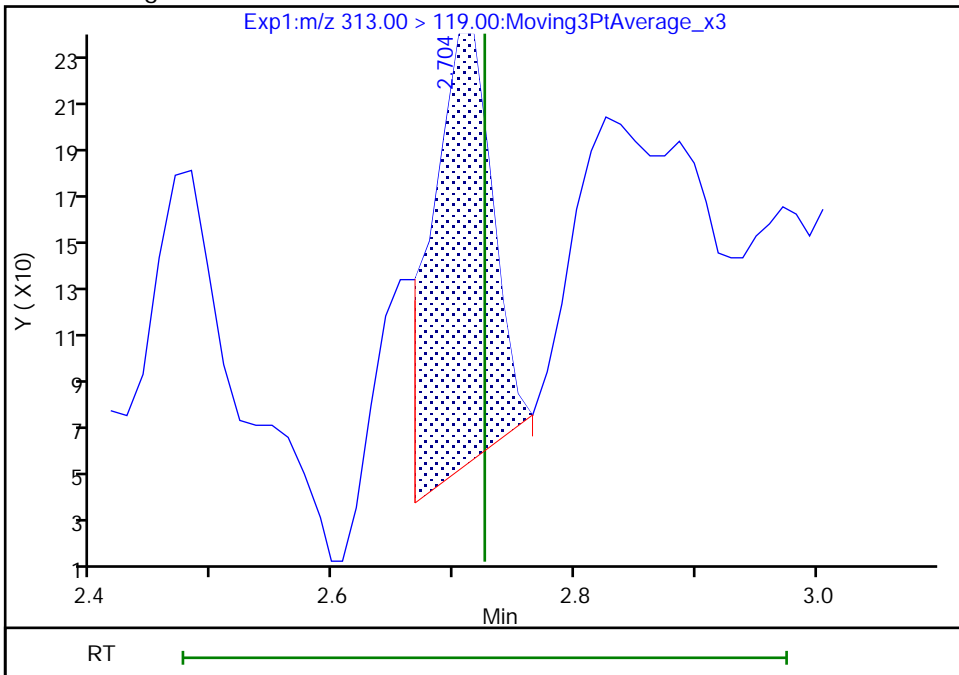
Not Detected
Expected RT: 2.73

Processing Integration Results



Manual Integration Results

RT: 2.70
Area: 610
Amount: 0.001502
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 14:39:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

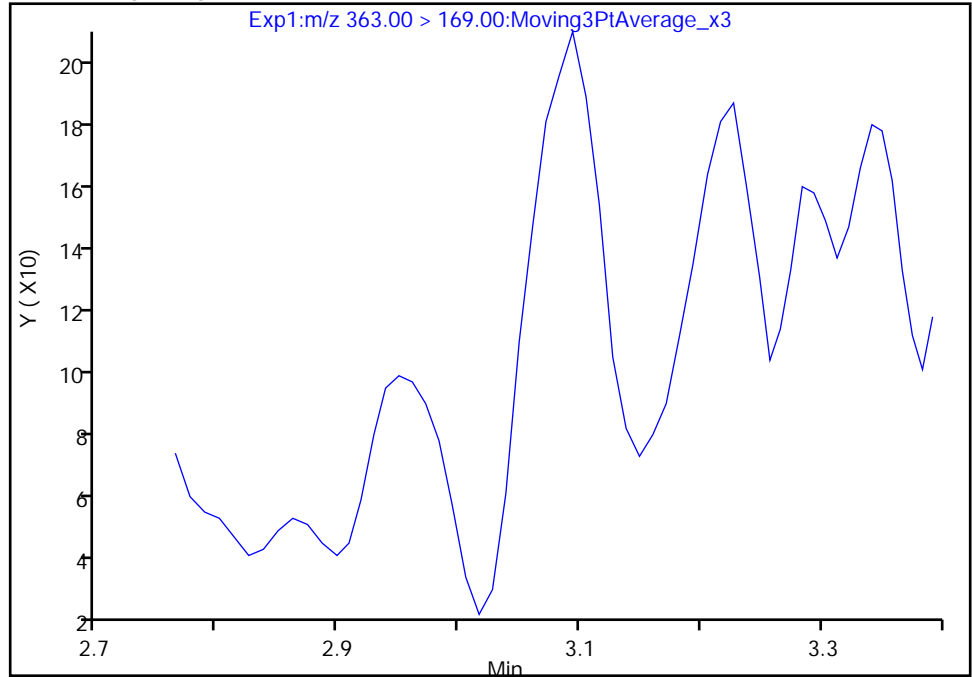
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A06.d
Injection Date: 08-Dec-2022 15:29:26 Instrument ID: LC812
Lims ID: MB 200-186445/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

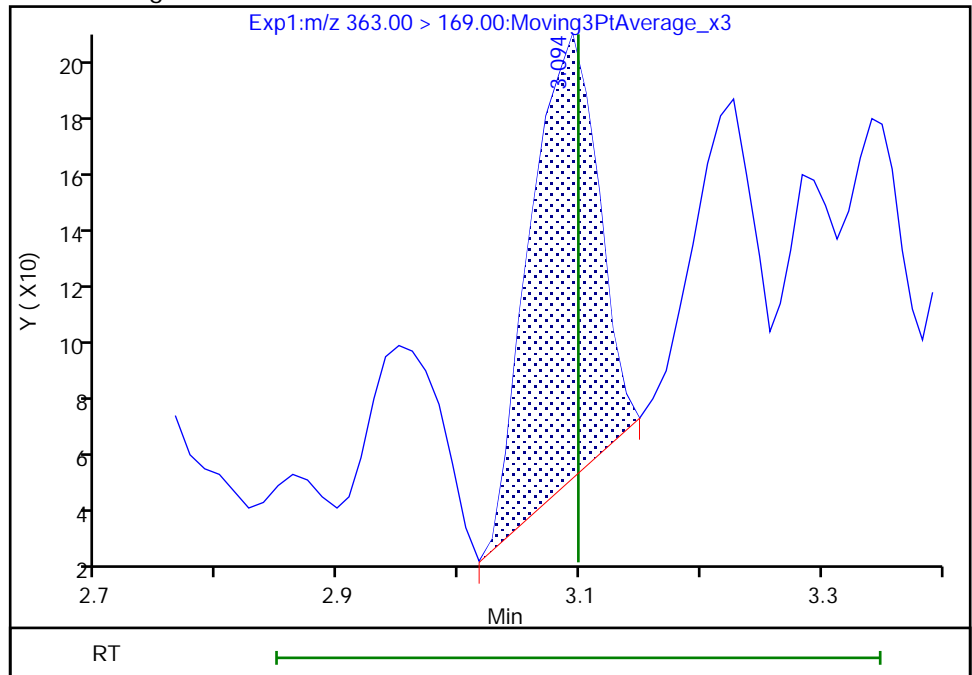
Not Detected
Expected RT: 3.10

Processing Integration Results



Manual Integration Results

RT: 3.09
Area: 625
Amount: 0.002225
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 14:40:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

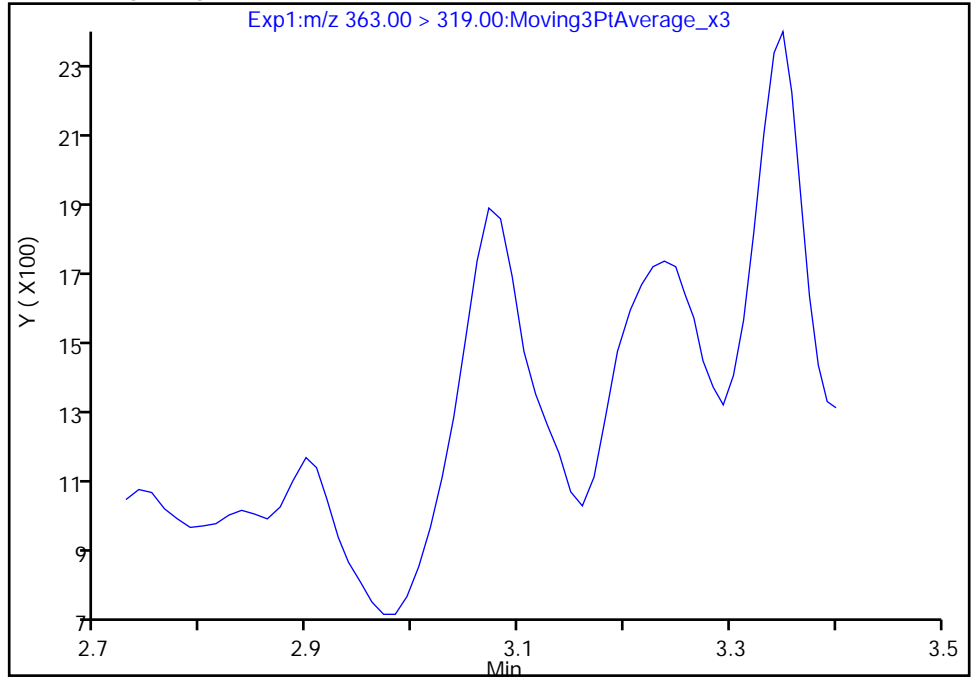
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A06.d
Injection Date: 08-Dec-2022 15:29:26 Instrument ID: LC812
Lims ID: MB 200-186445/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

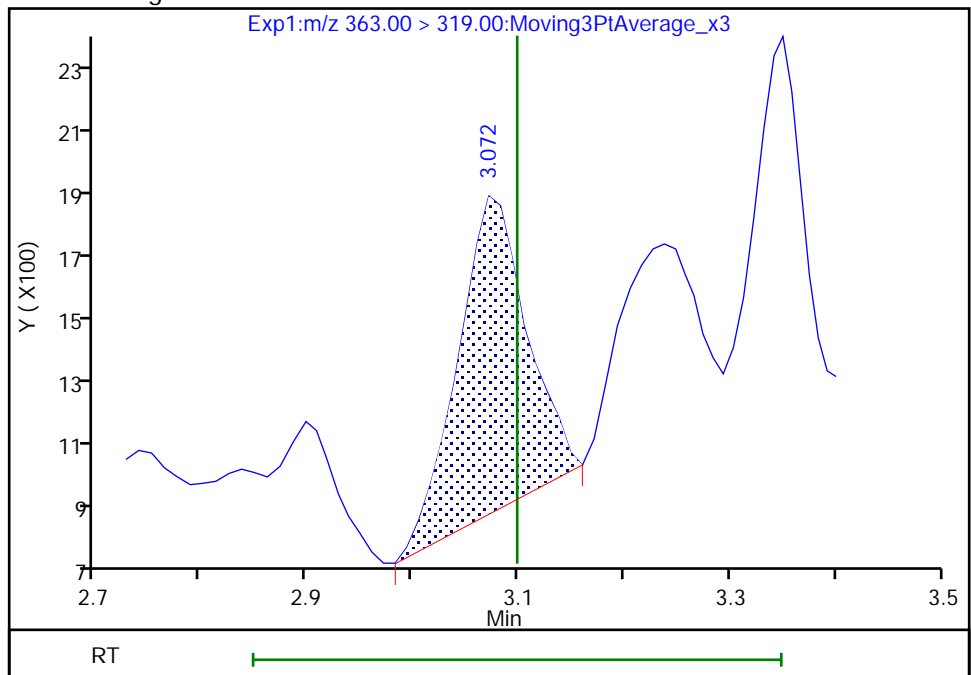
Not Detected
Expected RT: 3.10

Processing Integration Results



Manual Integration Results

RT: 3.07
Area: 4285
Amount: 0.002225
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 14:40:49

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

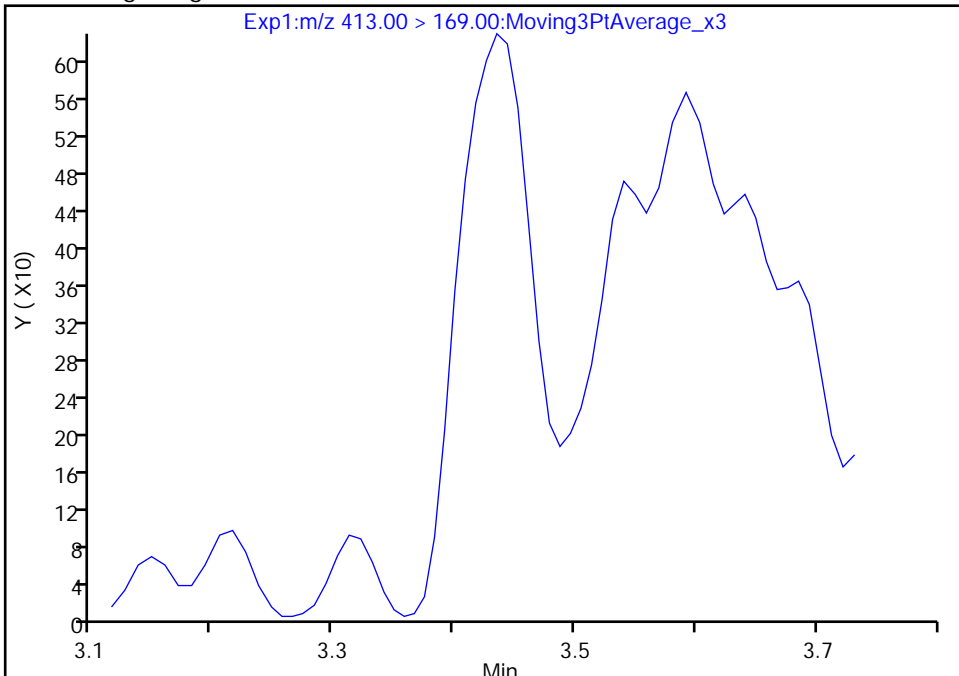
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A06.d
Injection Date: 08-Dec-2022 15:29:26 Instrument ID: LC812
Lims ID: MB 200-186445/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

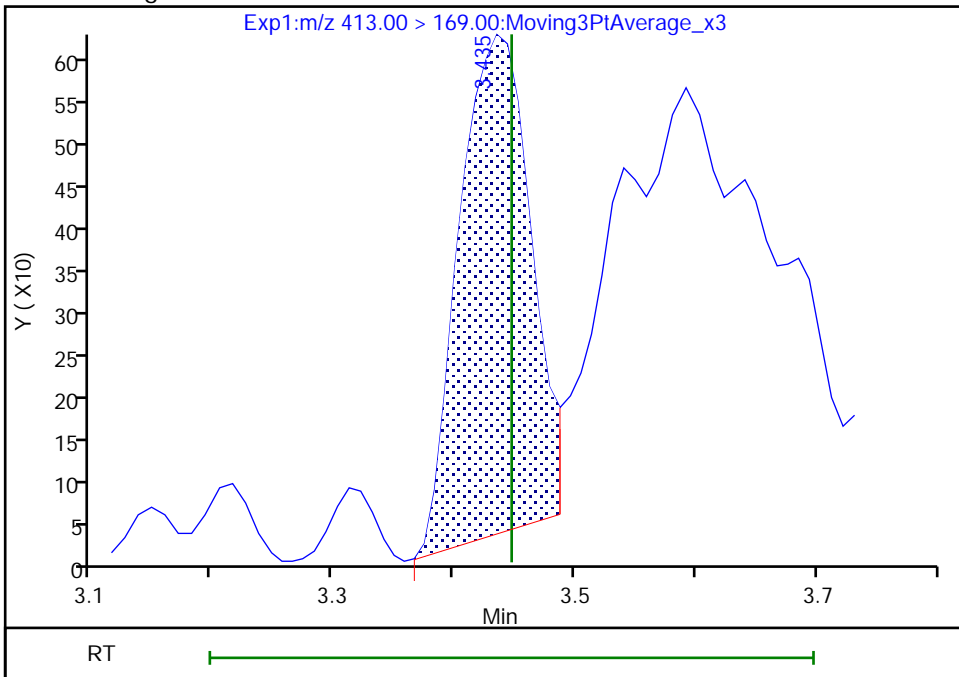
Not Detected
Expected RT: 3.45

Processing Integration Results



Manual Integration Results

RT: 3.44
Area: 2424
Amount: 0.003558
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 14:41:59
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

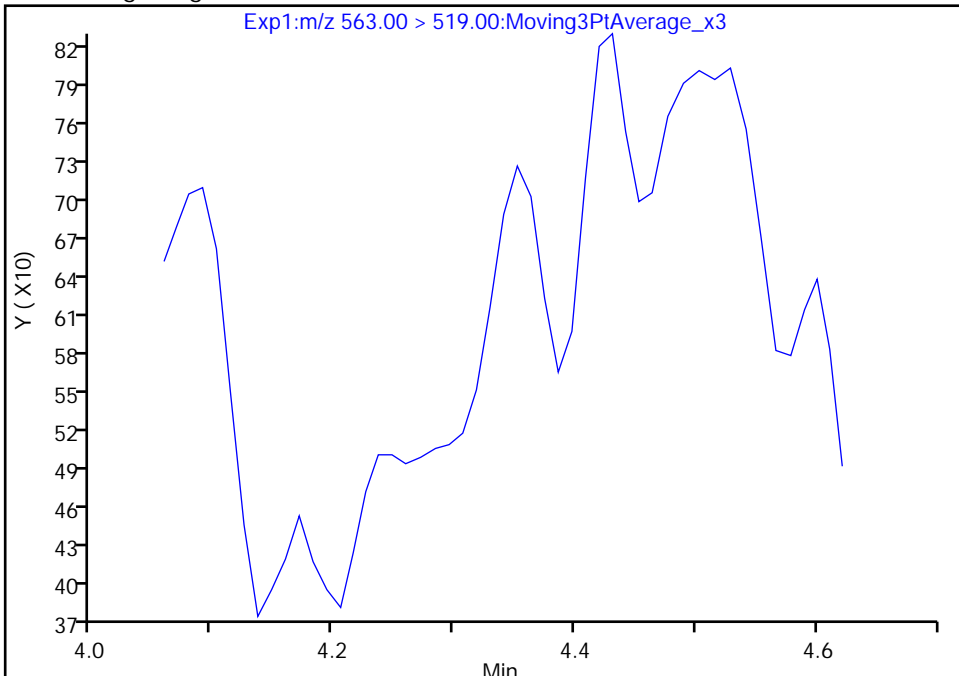
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A06.d
Injection Date: 08-Dec-2022 15:29:26 Instrument ID: LC812
Lims ID: MB 200-186445/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

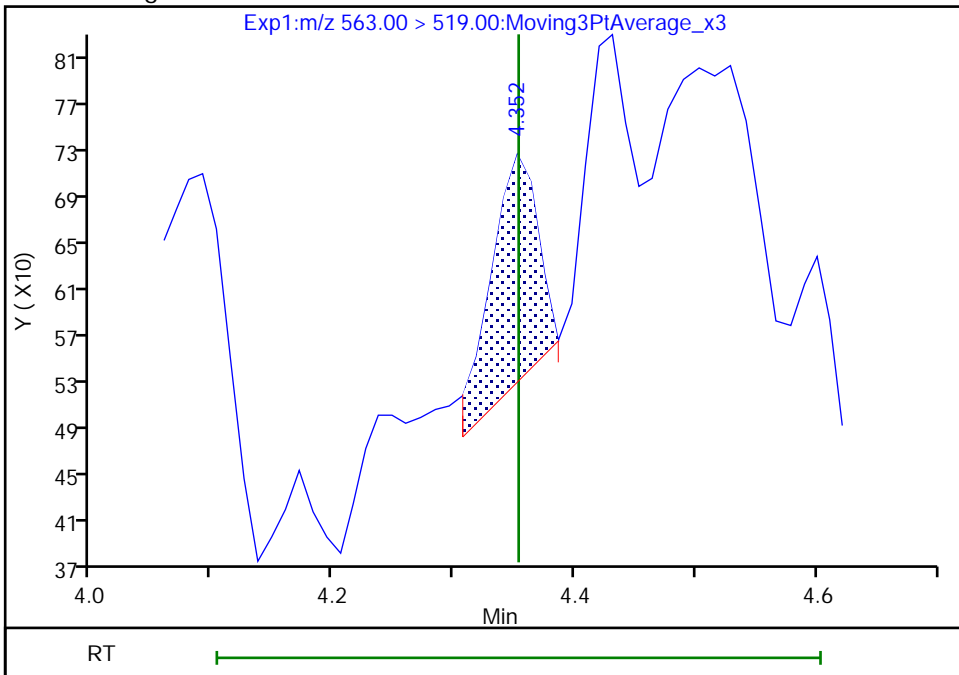
Not Detected
Expected RT: 4.35

Processing Integration Results



RT: 4.35
Area: 532
Amount: 0.000305
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:43:44
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

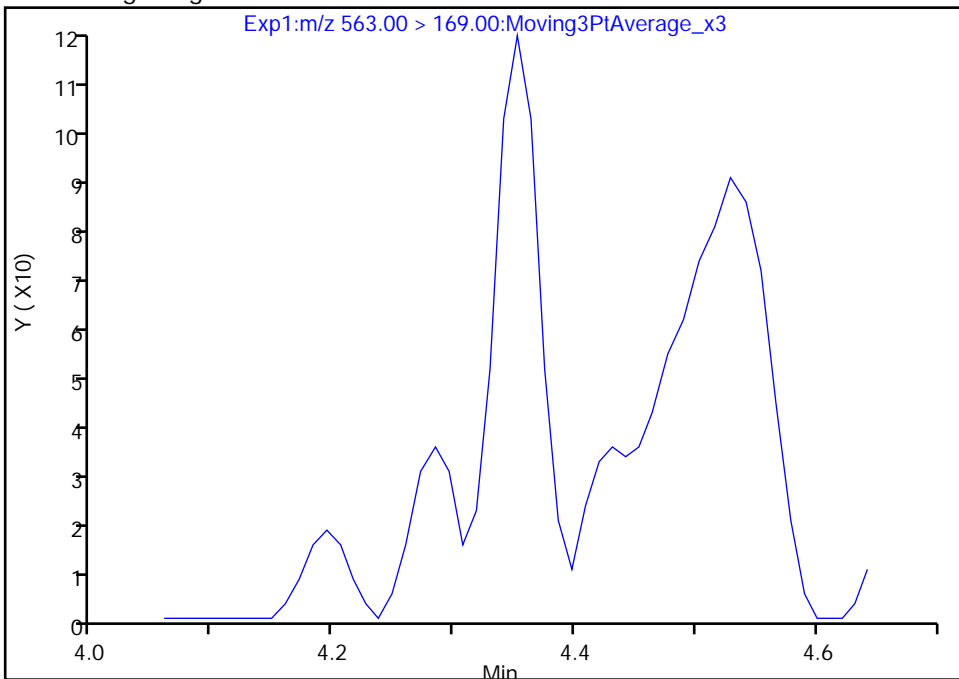
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A06.d
Injection Date: 08-Dec-2022 15:29:26 Instrument ID: LC812
Lims ID: MB 200-186445/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

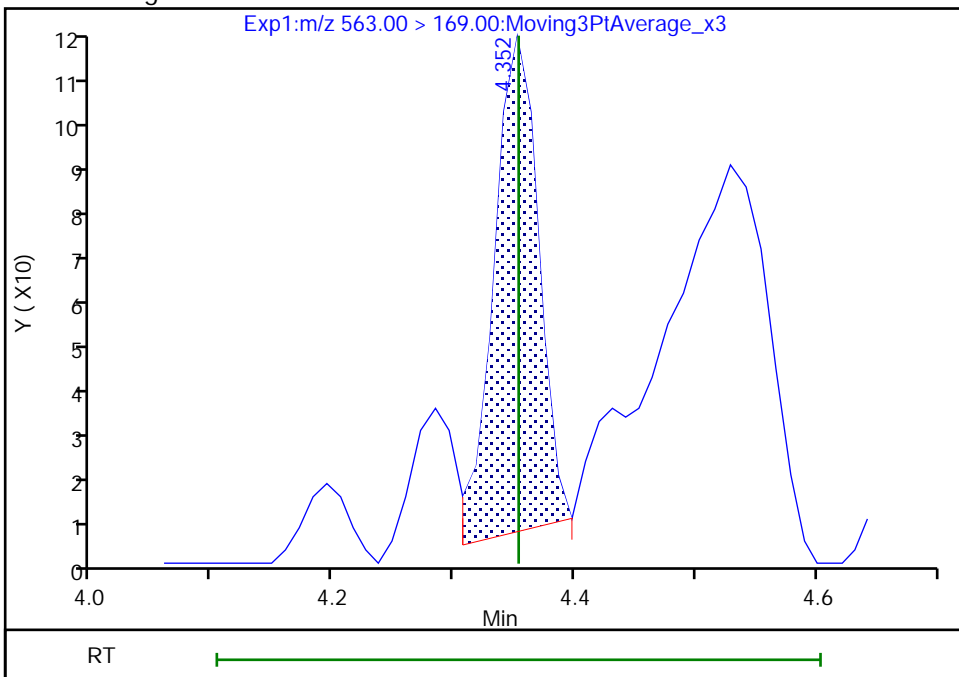
Not Detected
Expected RT: 4.35

Processing Integration Results



Manual Integration Results

RT: 4.35
Area: 287
Amount: 0.000305
Amount Units: ng/ml



Eurofins Burlington

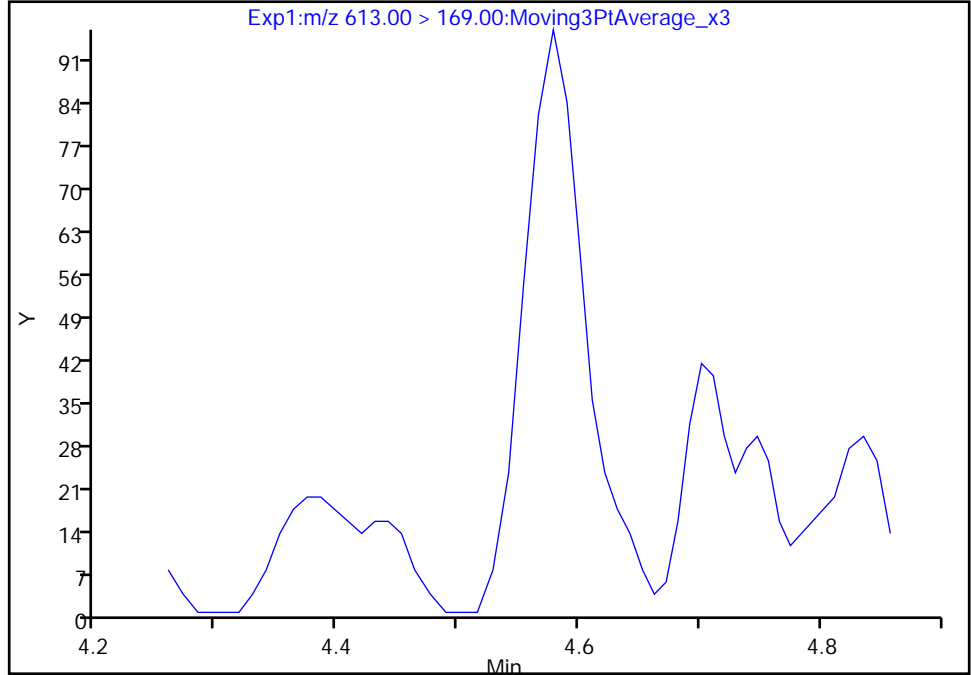
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A06.d
Injection Date: 08-Dec-2022 15:29:26 Instrument ID: LC812
Lims ID: MB 200-186445/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

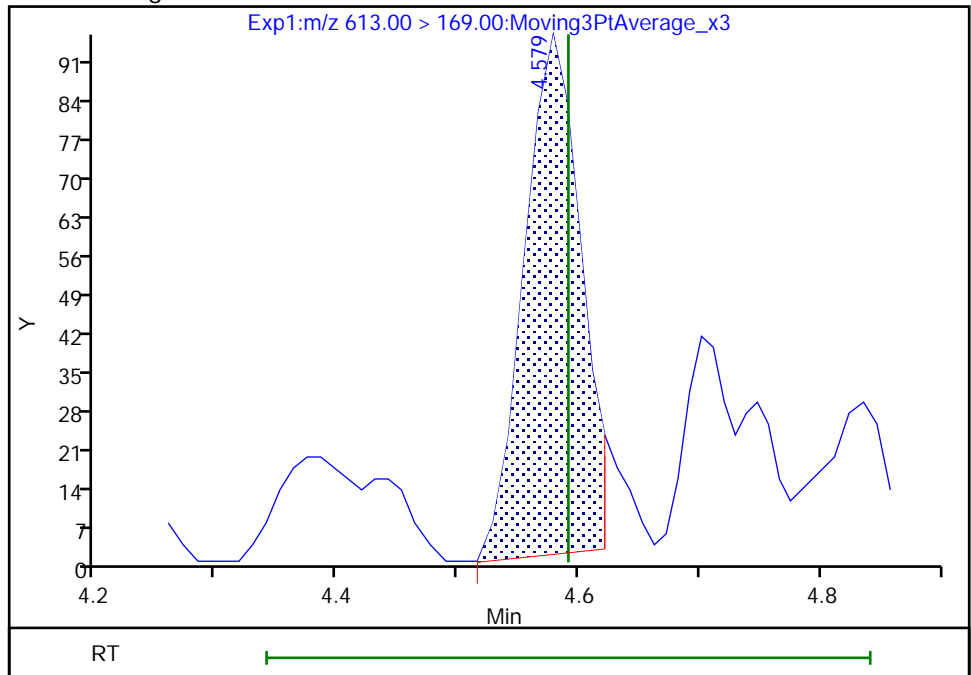
Not Detected
Expected RT: 4.59

Processing Integration Results



Manual Integration Results

RT: 4.58
Area: 307
Amount: 0.001137
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 14:44:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

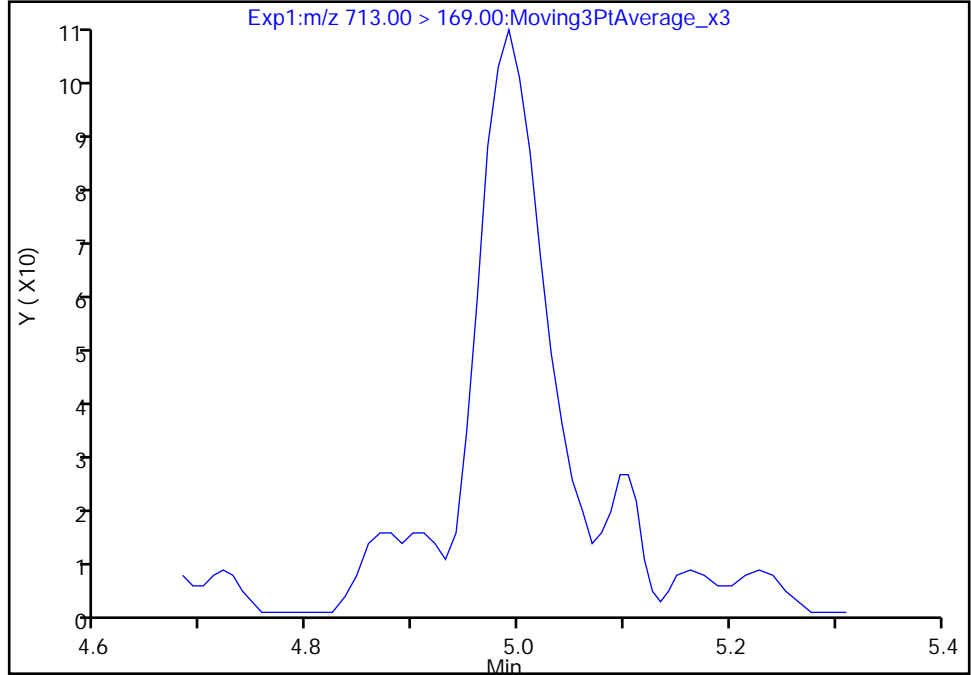
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A06.d
Injection Date: 08-Dec-2022 15:29:26 Instrument ID: LC812
Lims ID: MB 200-186445/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

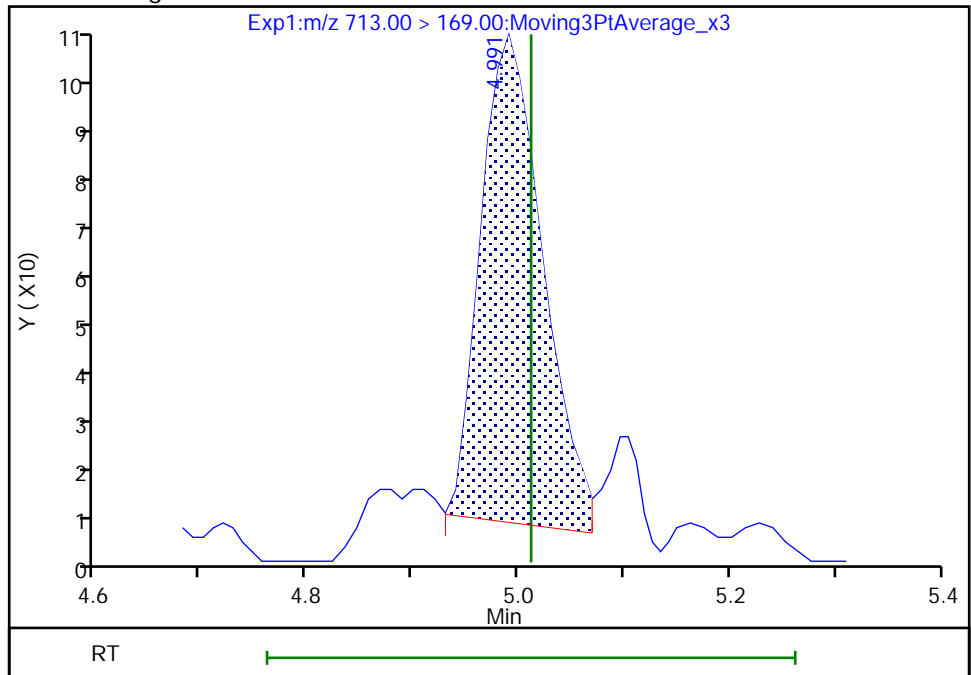
Not Detected
Expected RT: 5.01

Processing Integration Results



Manual Integration Results

RT: 4.99
Area: 414
Amount: 0.002300
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 14:44:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

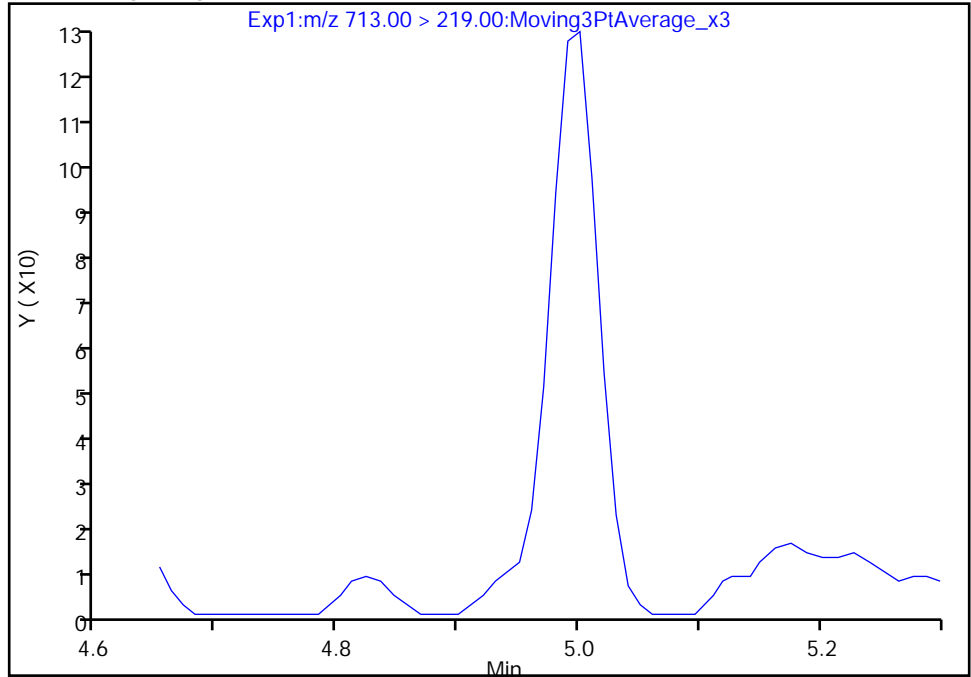
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A06.d
Injection Date: 08-Dec-2022 15:29:26 Instrument ID: LC812
Lims ID: MB 200-186445/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

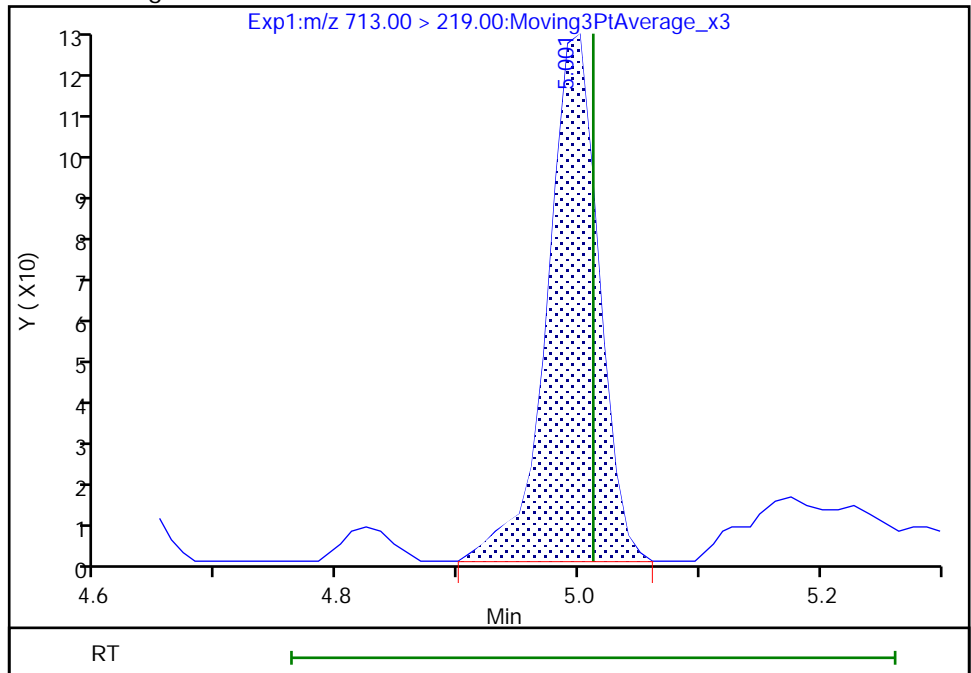
Not Detected
Expected RT: 5.01

Processing Integration Results



Manual Integration Results

RT: 5.00
Area: 364
Amount: 0.002300
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 14:44:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

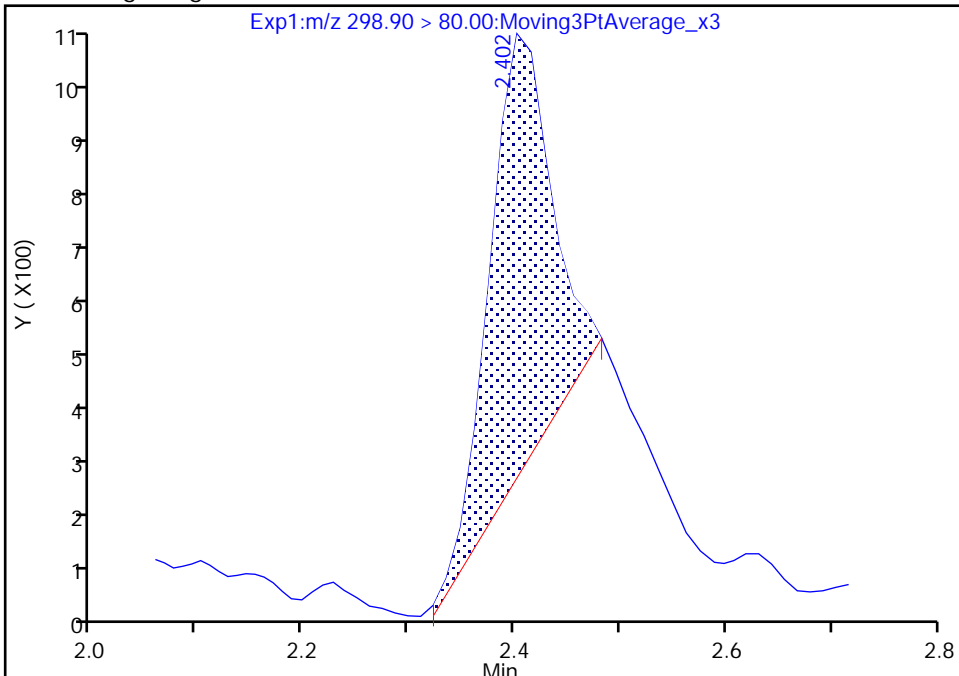
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A06.d
Injection Date: 08-Dec-2022 15:29:26 Instrument ID: LC812
Lims ID: MB 200-186445/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

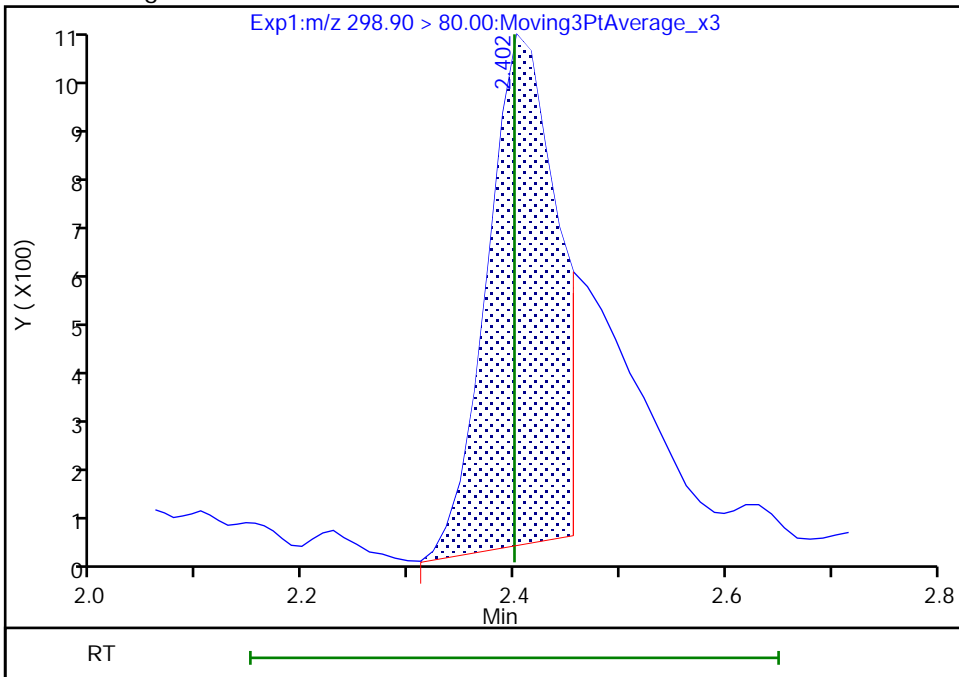
RT: 2.40
Area: 3143
Amount: 0.001627
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 4426
Amount: 0.002291
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:39:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

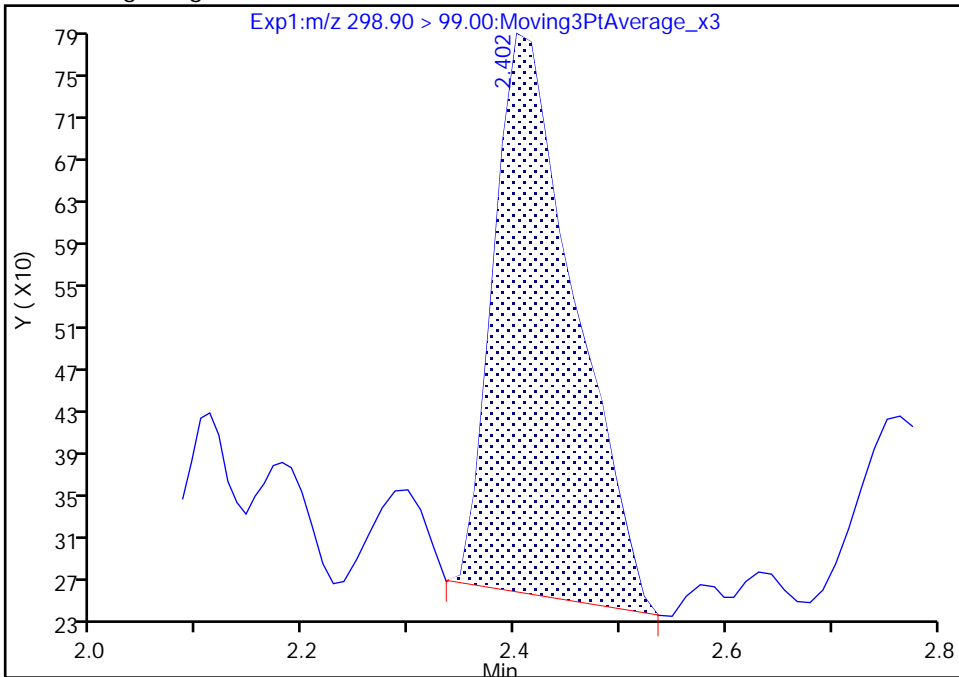
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A06.d
Injection Date: 08-Dec-2022 15:29:26 Instrument ID: LC812
Lims ID: MB 200-186445/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

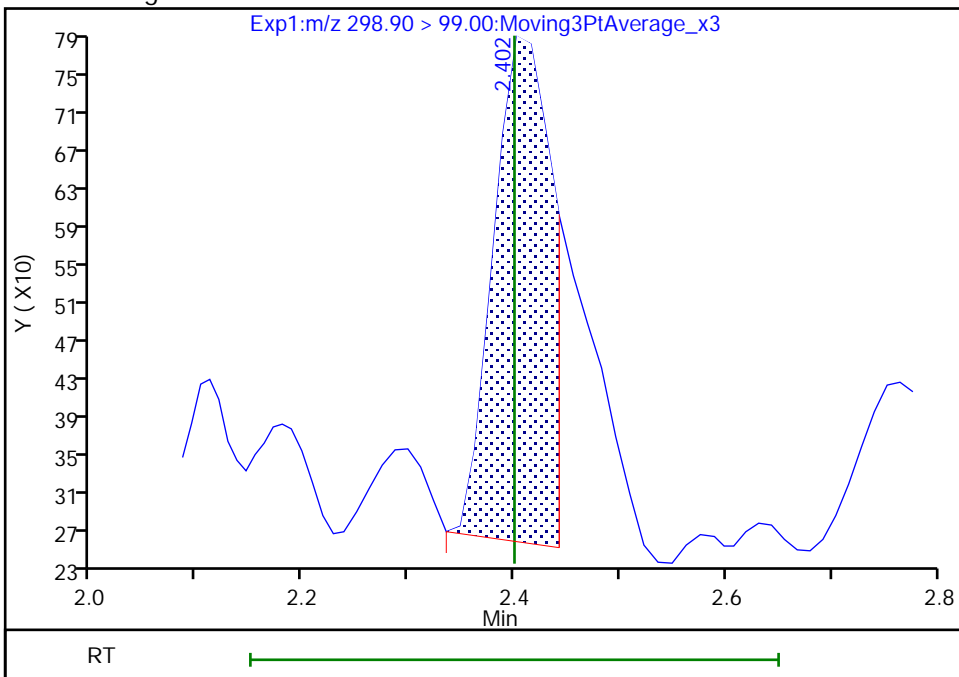
RT: 2.40
Area: 2852
Amount: 0.001627
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 1958
Amount: 0.002291
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 14:39:25

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

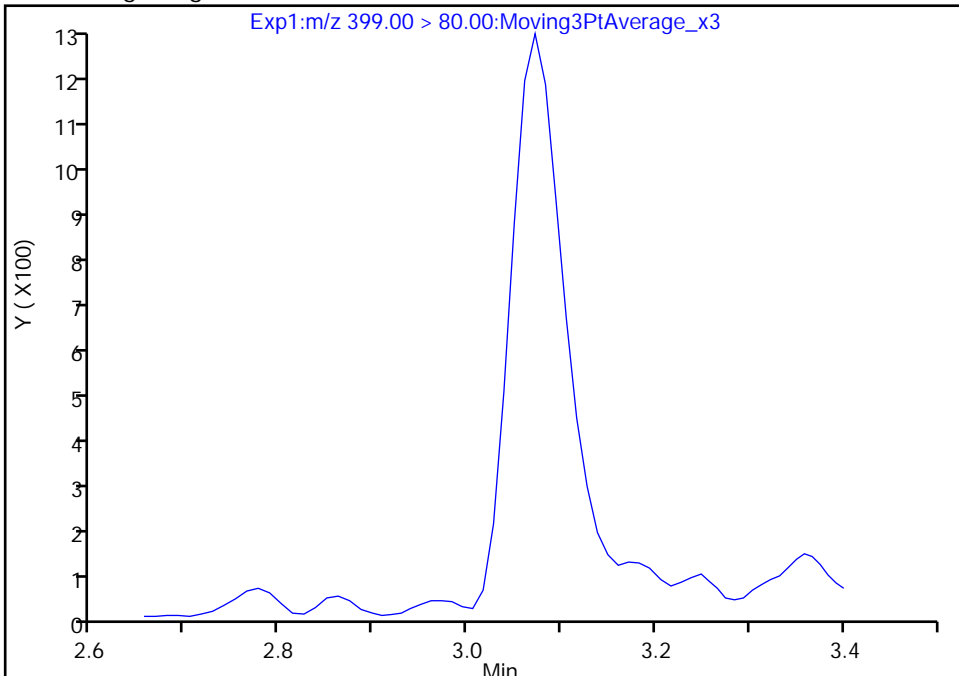
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A06.d
Injection Date: 08-Dec-2022 15:29:26 Instrument ID: LC812
Lims ID: MB 200-186445/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

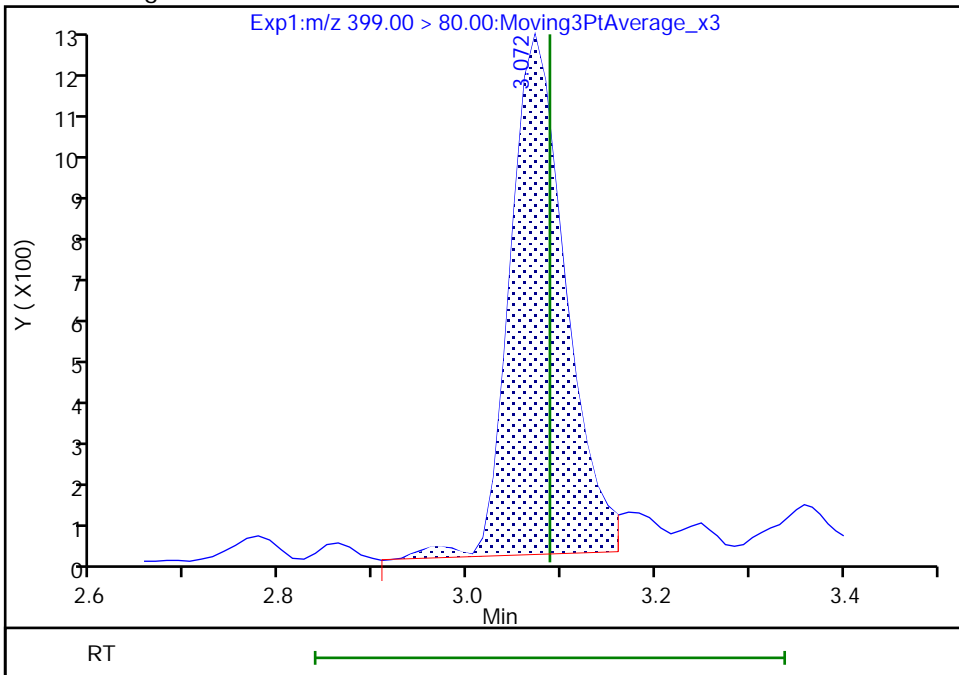
Not Detected
Expected RT: 3.09

Processing Integration Results



Manual Integration Results

RT: 3.07
Area: 5129
Amount: 0.003267
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 14:40:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

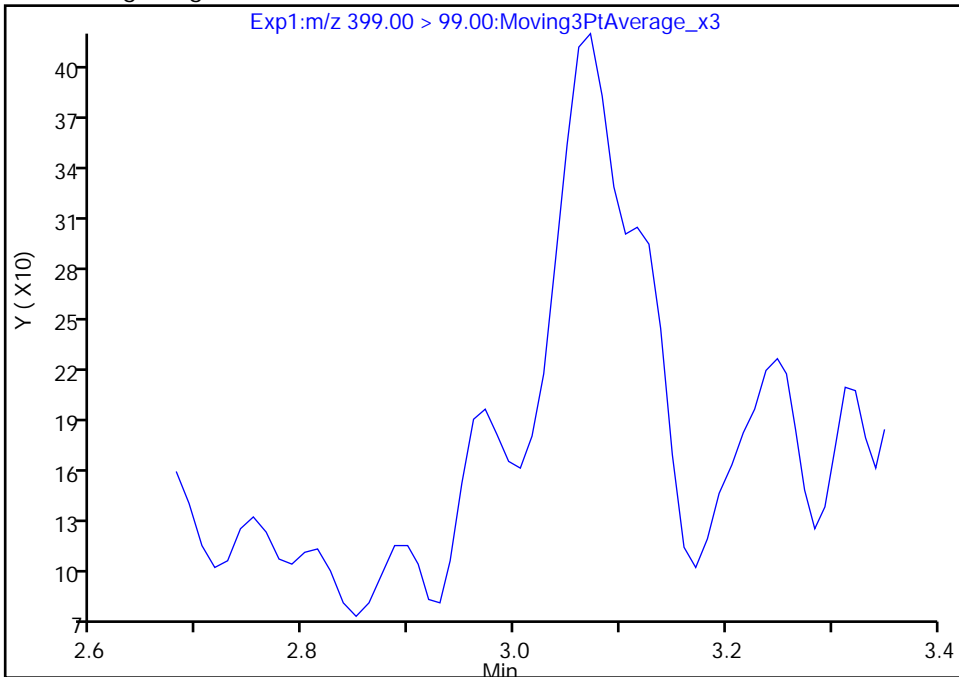
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A06.d
Injection Date: 08-Dec-2022 15:29:26 Instrument ID: LC812
Lims ID: MB 200-186445/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

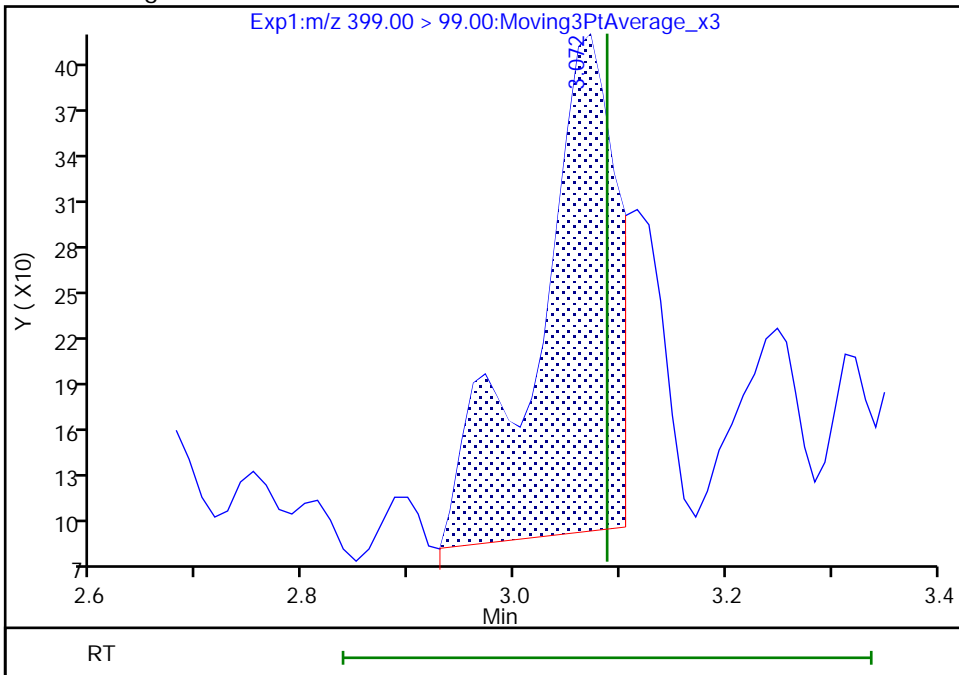
Not Detected
Expected RT: 3.09

Processing Integration Results



Manual Integration Results

RT: 3.07
Area: 1659
Amount: 0.003267
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 14:40:13

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

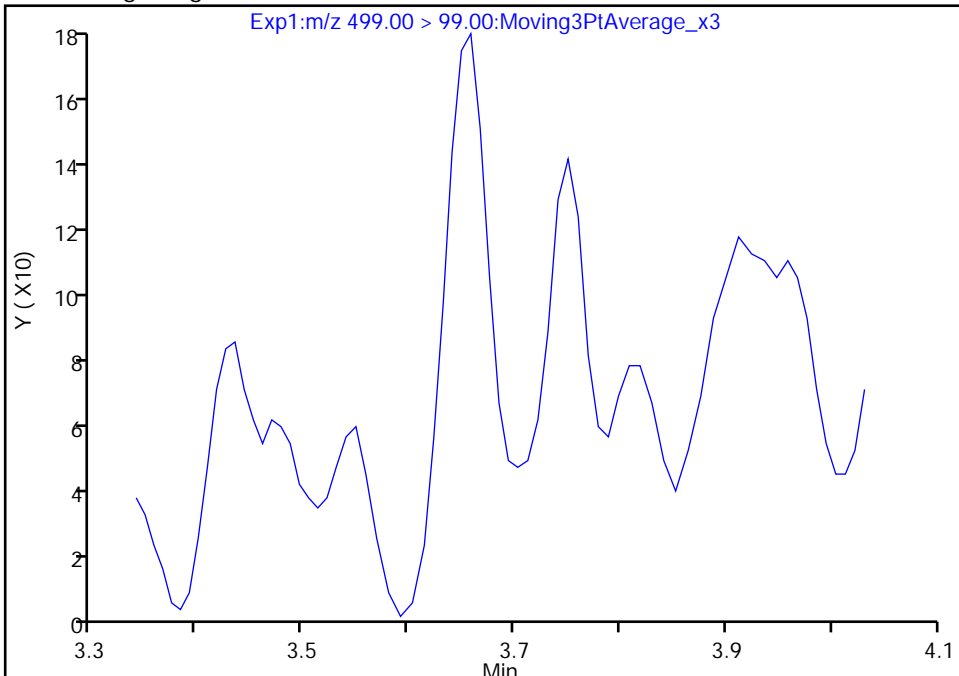
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A06.d
Injection Date: 08-Dec-2022 15:29:26 Instrument ID: LC812
Lims ID: MB 200-186445/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

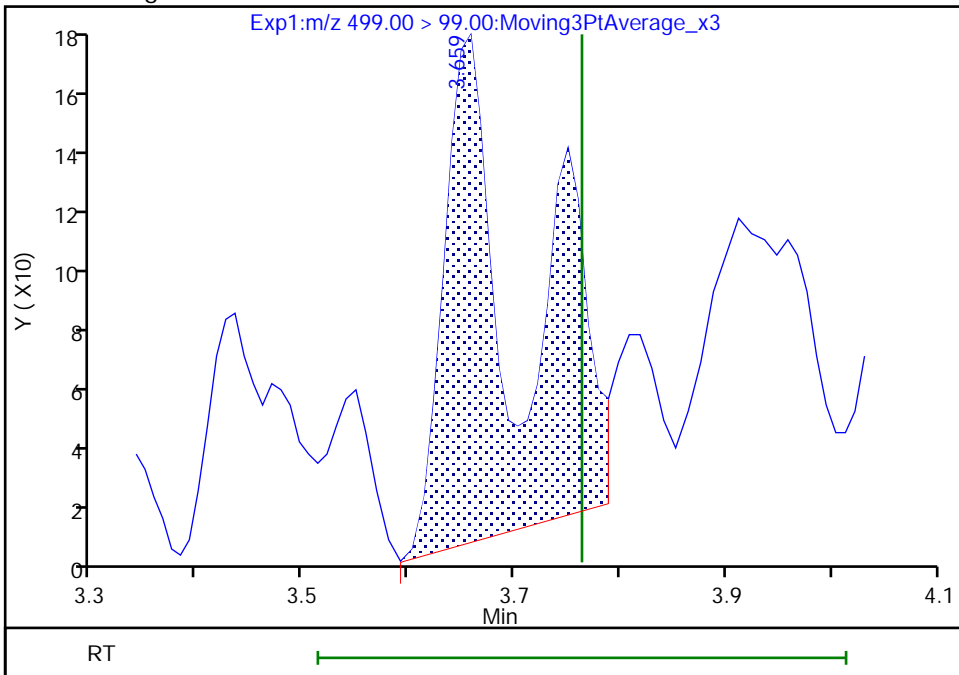
Not Detected
Expected RT: 3.76

Processing Integration Results



RT: 3.66
Area: 857
Amount: 0.003492
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:42:36
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

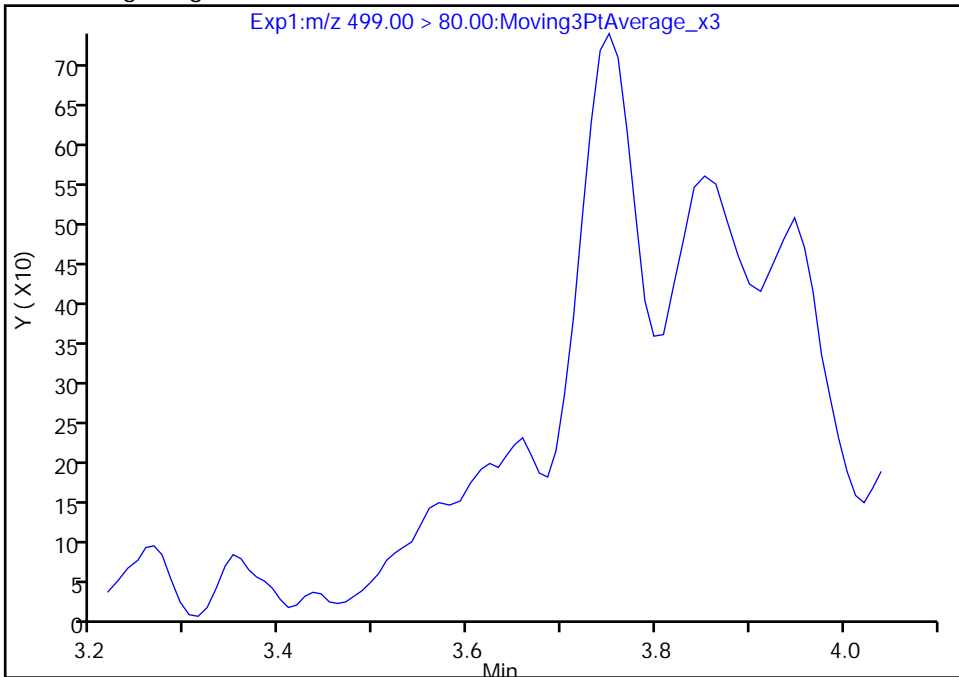
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A06.d
Injection Date: 08-Dec-2022 15:29:26 Instrument ID: LC812
Lims ID: MB 200-186445/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

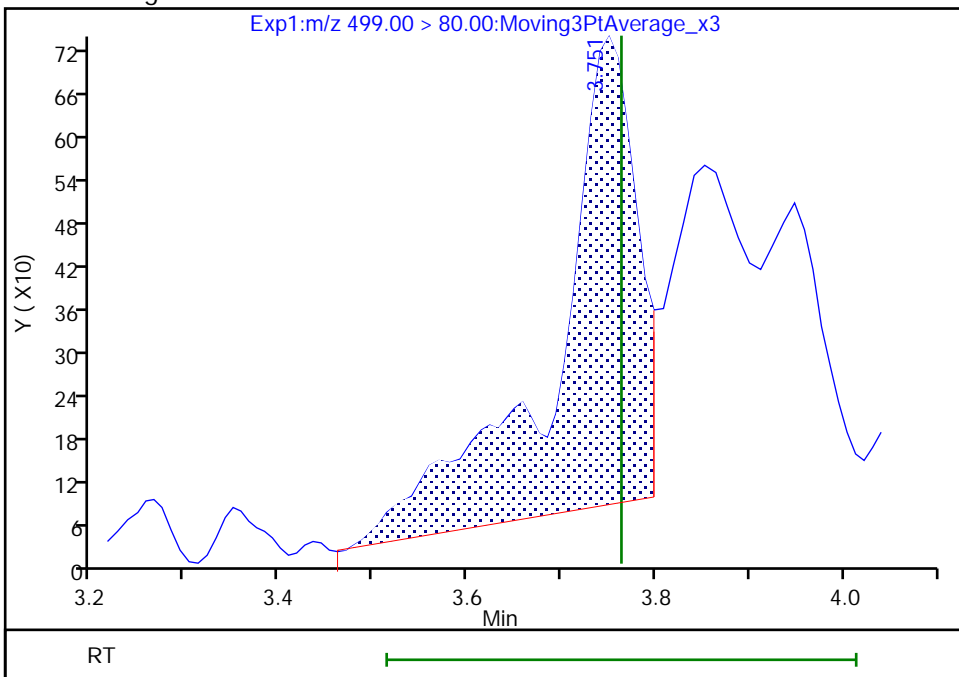
Not Detected
Expected RT: 3.76

Processing Integration Results



Manual Integration Results

RT: 3.75
Area: 3963
Amount: 0.003492
Amount Units: ng/ml



Eurofins Burlington

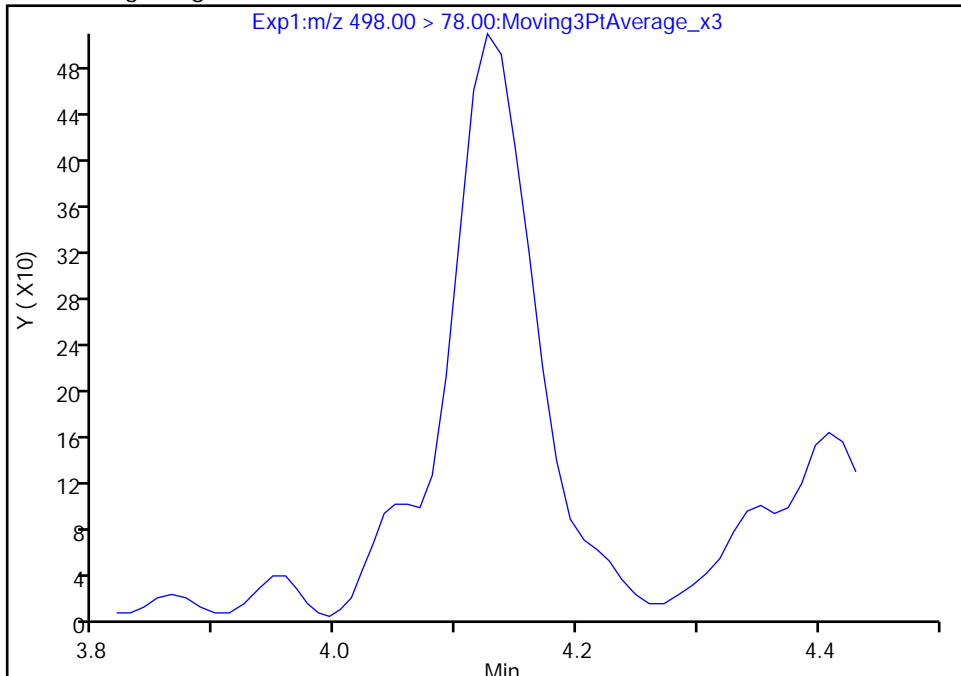
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A06.d
Injection Date: 08-Dec-2022 15:29:26 Instrument ID: LC812
Lims ID: MB 200-186445/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

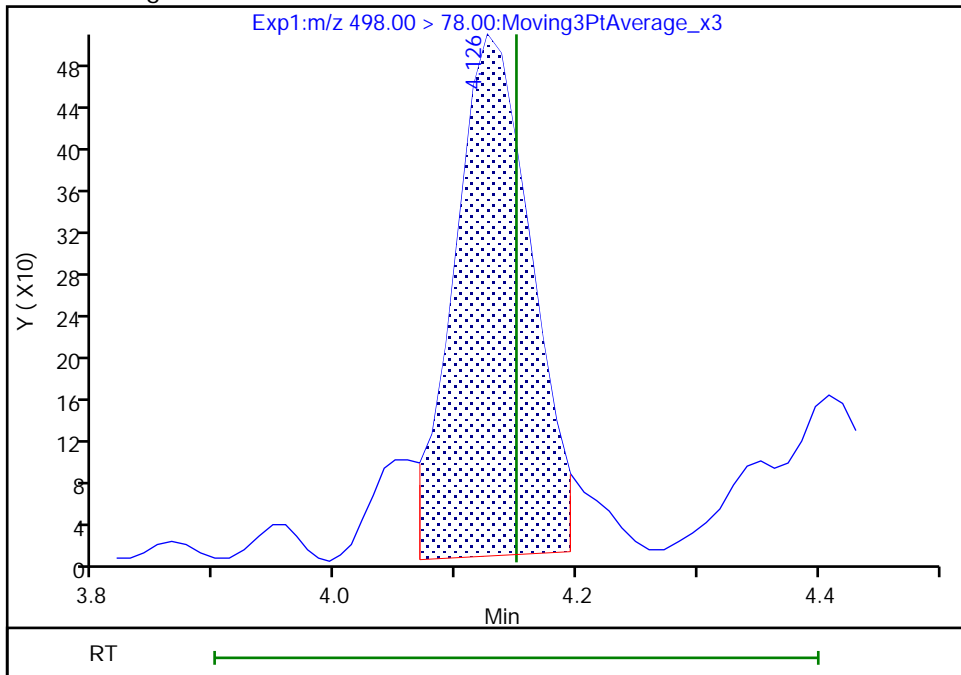
Not Detected
Expected RT: 4.15

Processing Integration Results



Manual Integration Results

RT: 4.13
Area: 2195
Amount: 0.001276
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 14:43:24
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

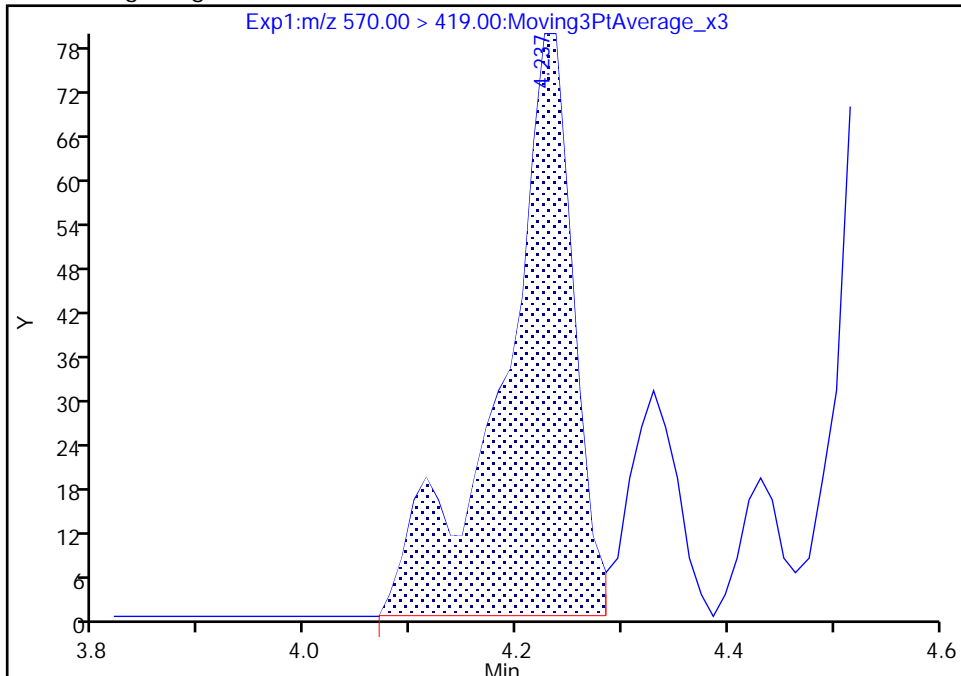
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A06.d
Injection Date: 08-Dec-2022 15:29:26 Instrument ID: LC812
Lims ID: MB 200-186445/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

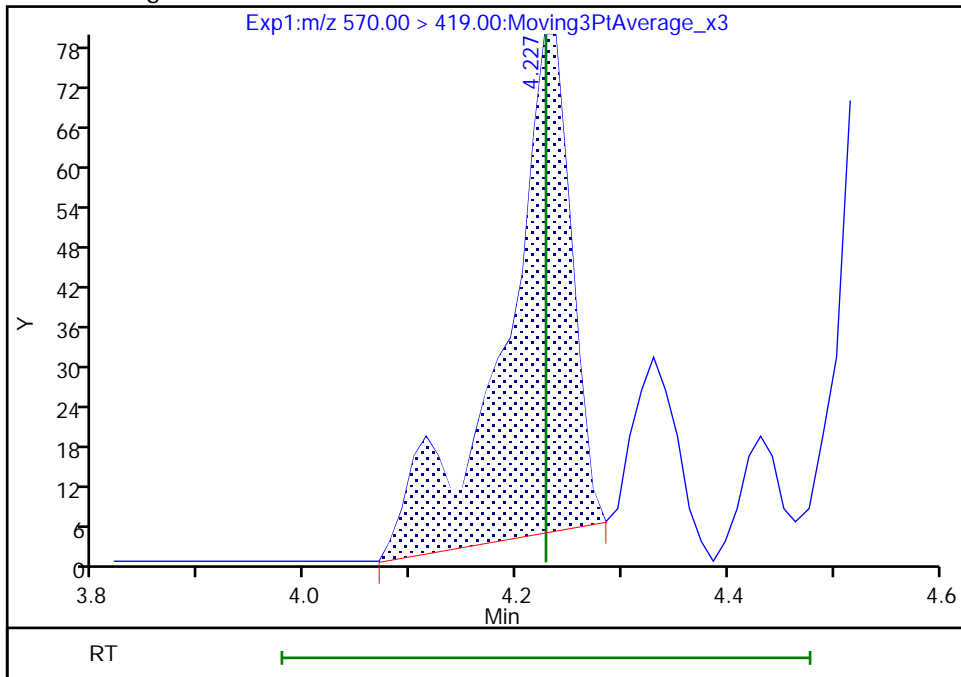
RT: 4.24
Area: 375
Amount: -0.010540
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 336
Amount: -0.010653
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:43:28
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

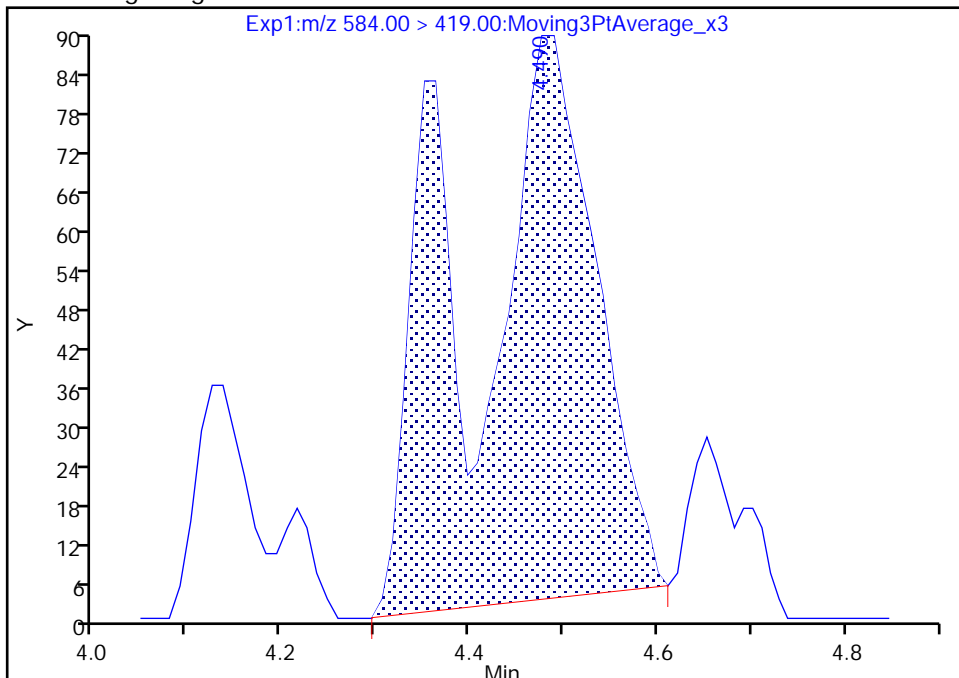
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A06.d
Injection Date: 08-Dec-2022 15:29:26 Instrument ID: LC812
Lims ID: MB 200-186445/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

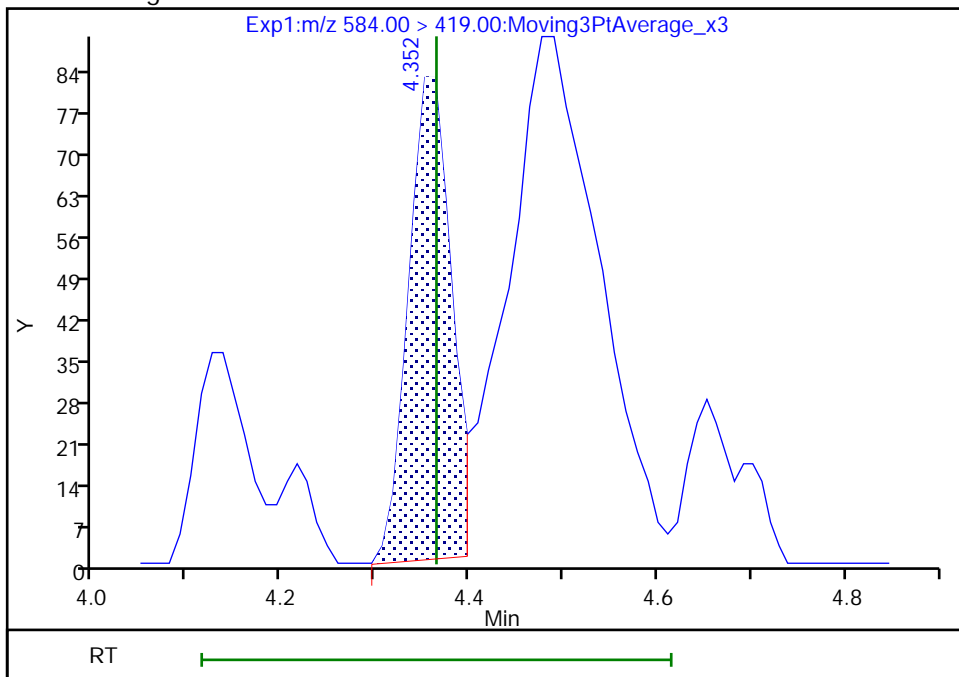
RT: 4.49
Area: 826
Amount: 0.002287
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 258
Amount: 0.000714
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:43:52
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

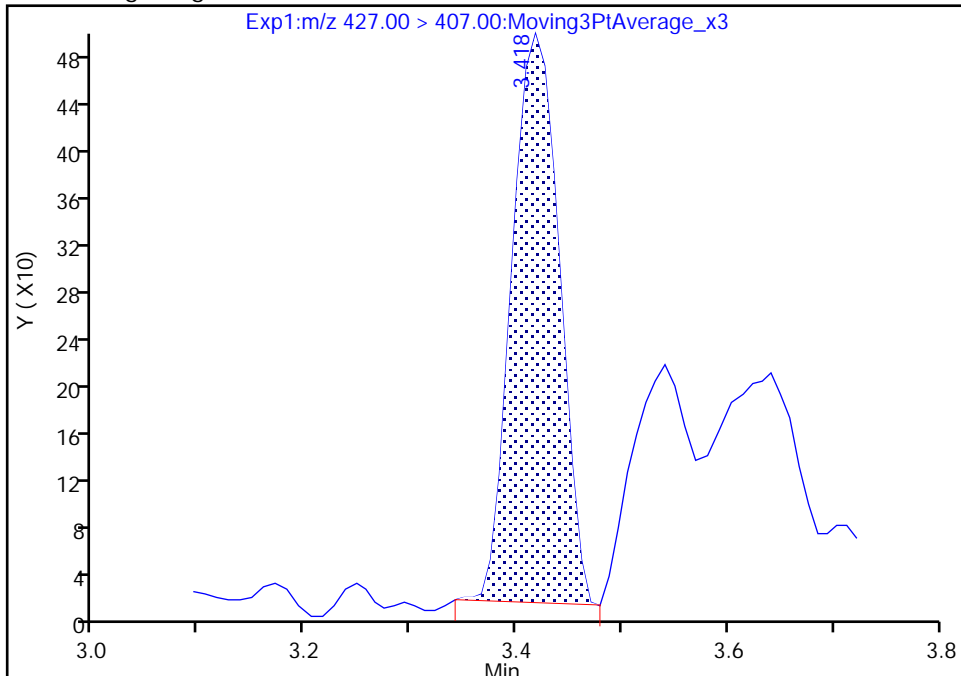
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A06.d
Injection Date: 08-Dec-2022 15:29:26 Instrument ID: LC812
Lims ID: MB 200-186445/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

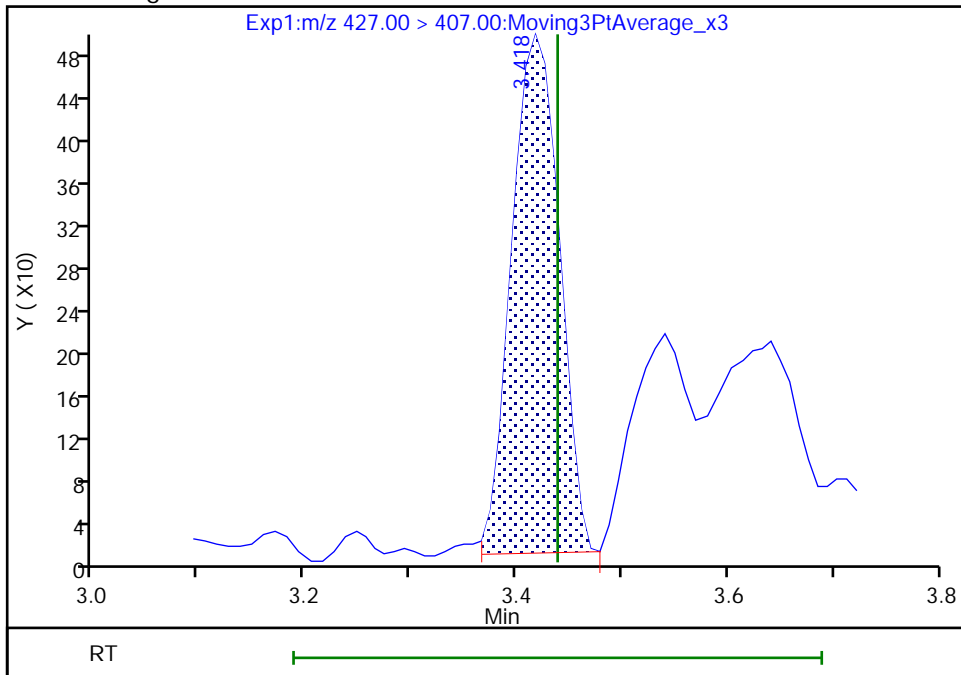
RT: 3.42
Area: 1503
Amount: -0.008778
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 1523
Amount: -0.008737
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:41:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

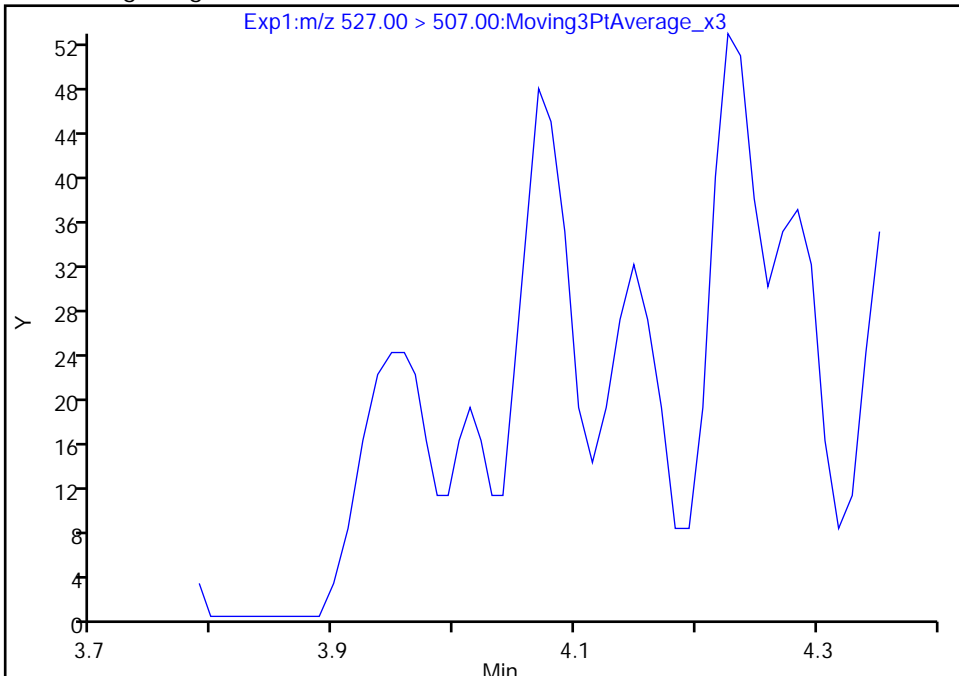
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A06.d
Injection Date: 08-Dec-2022 15:29:26 Instrument ID: LC812
Lims ID: MB 200-186445/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

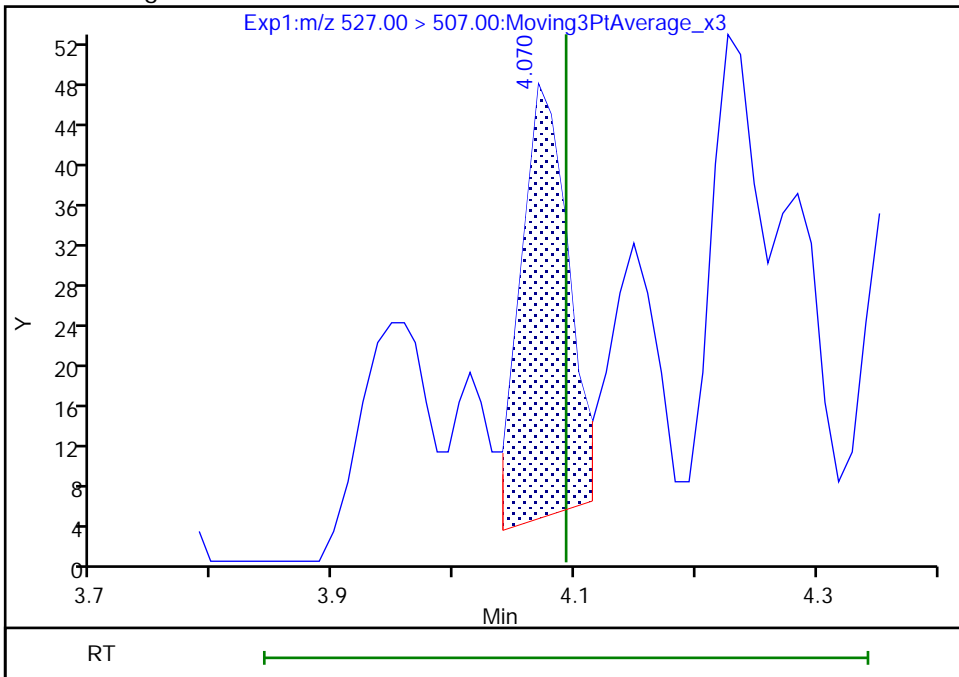
Not Detected
Expected RT: 4.09

Processing Integration Results



Manual Integration Results

RT: 4.07
Area: 117
Amount: 0.000252
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 14:43:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

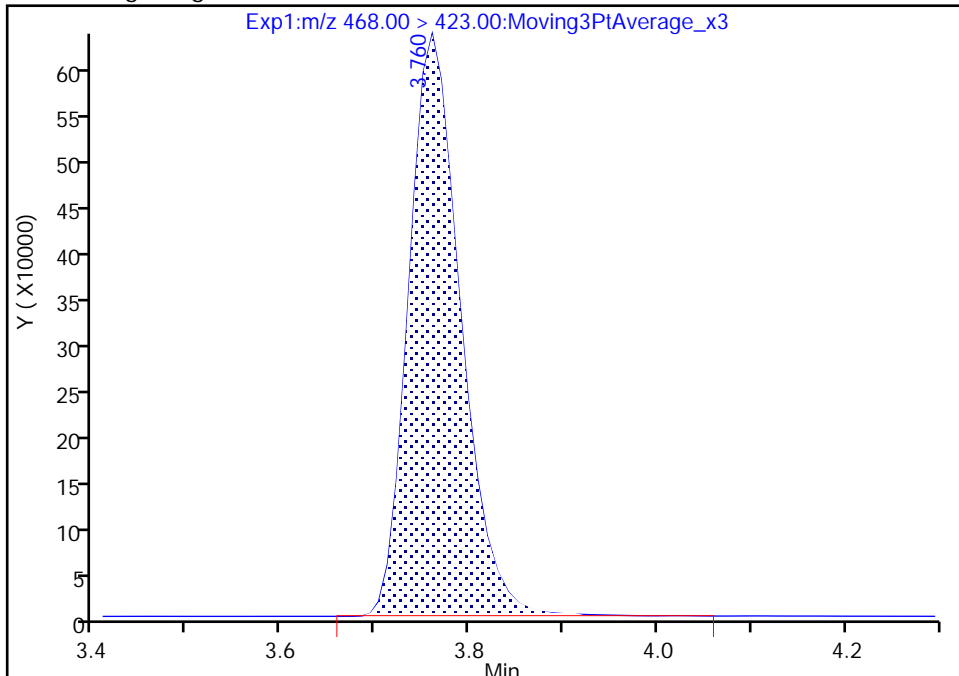
Data File:	\\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A06.d		
Injection Date:	08-Dec-2022 15:29:26	Instrument ID:	LC812
Lims ID:	MB 200-186445/1-A		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	3
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	6

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

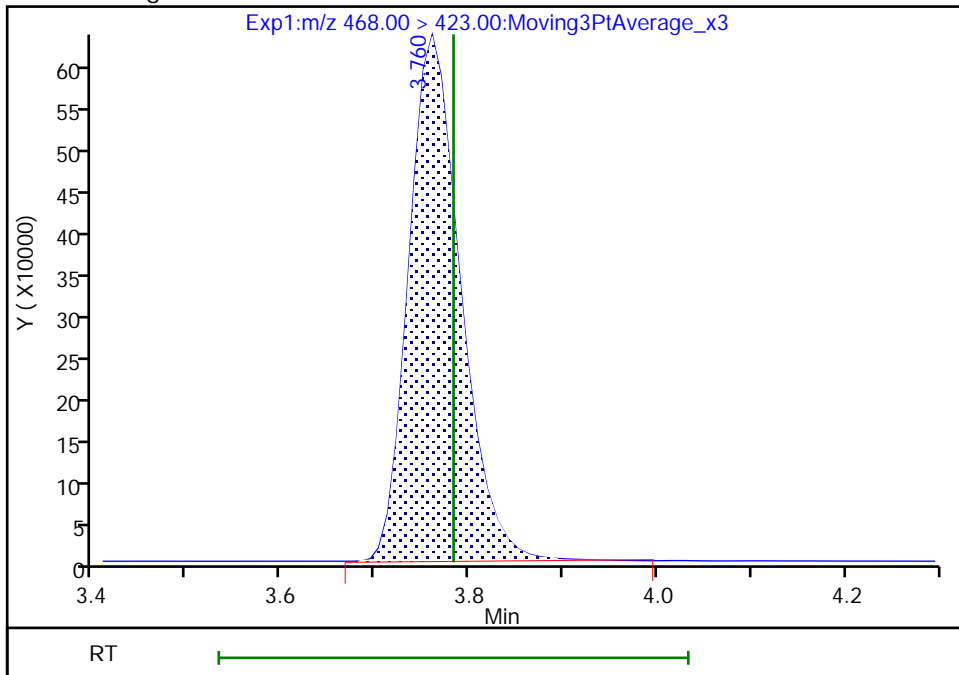
RT: 3.76
 Area: 2430869
 Amount: 1.175535
 Amount Units: ng/ml

Processing Integration Results



RT: 3.76
 Area: 2425439
 Amount: 1.172909
 Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:38:30
 Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

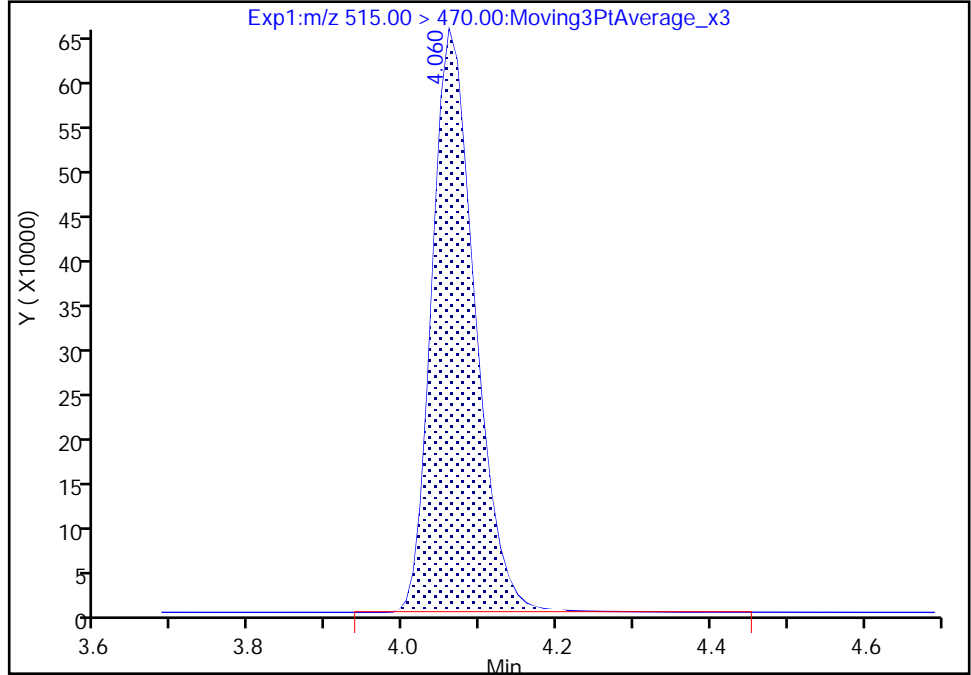
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A06.d
Injection Date: 08-Dec-2022 15:29:26 Instrument ID: LC812
Lims ID: MB 200-186445/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 23 13C2 PFDA, CAS: STL00996
Signal: 1

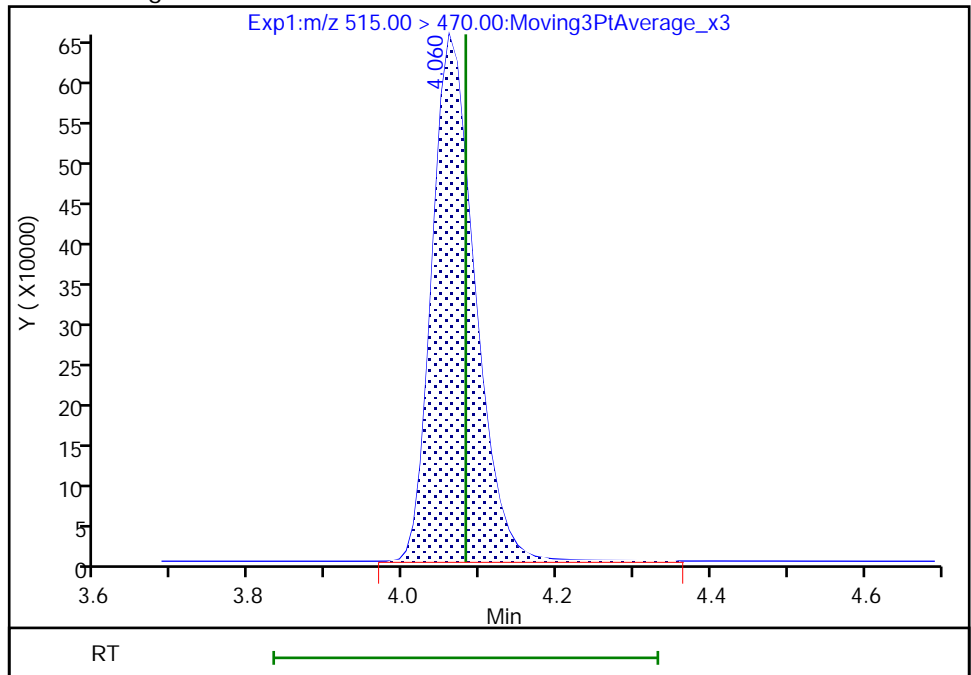
RT: 4.06
Area: 2550649
Amount: 1.210429
Amount Units: ng/ml

Processing Integration Results



RT: 4.06
Area: 2548749
Amount: 1.209528
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:38:37
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

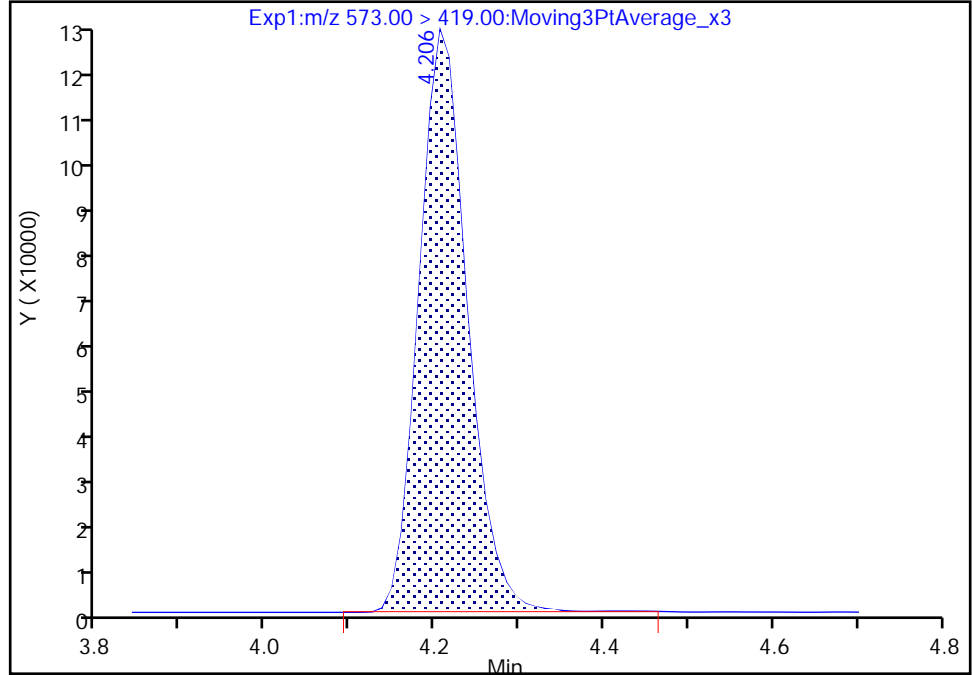
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A06.d
Injection Date: 08-Dec-2022 15:29:26 Instrument ID: LC812
Lims ID: MB 200-186445/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118
Signal: 1

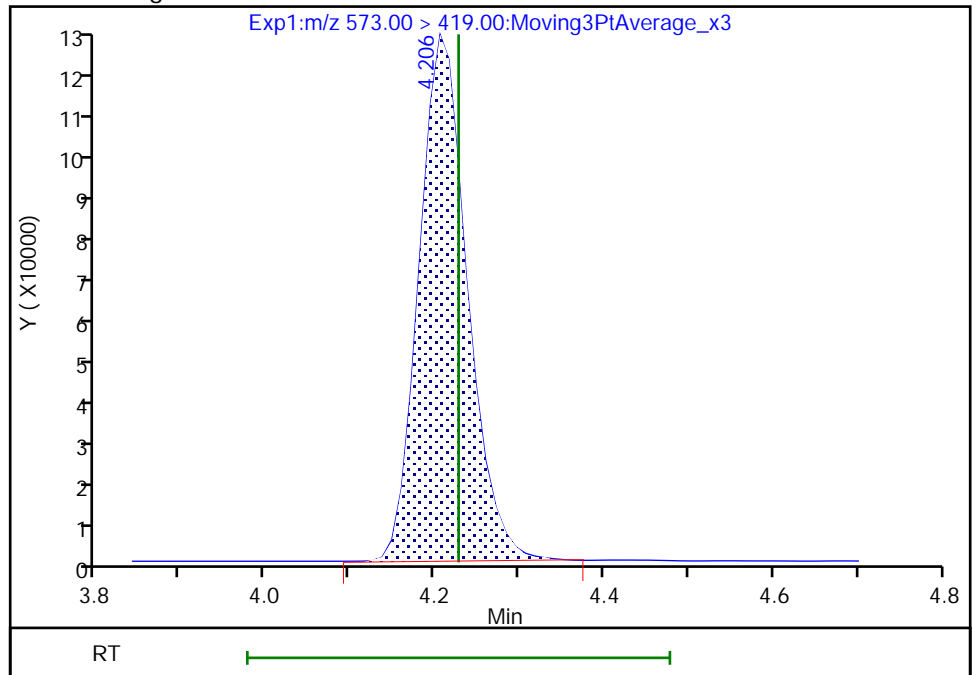
RT: 4.21
Area: 502436
Amount: 1.171038
Amount Units: ng/ml

Processing Integration Results



RT: 4.21
Area: 501549
Amount: 1.168971
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:38:44
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

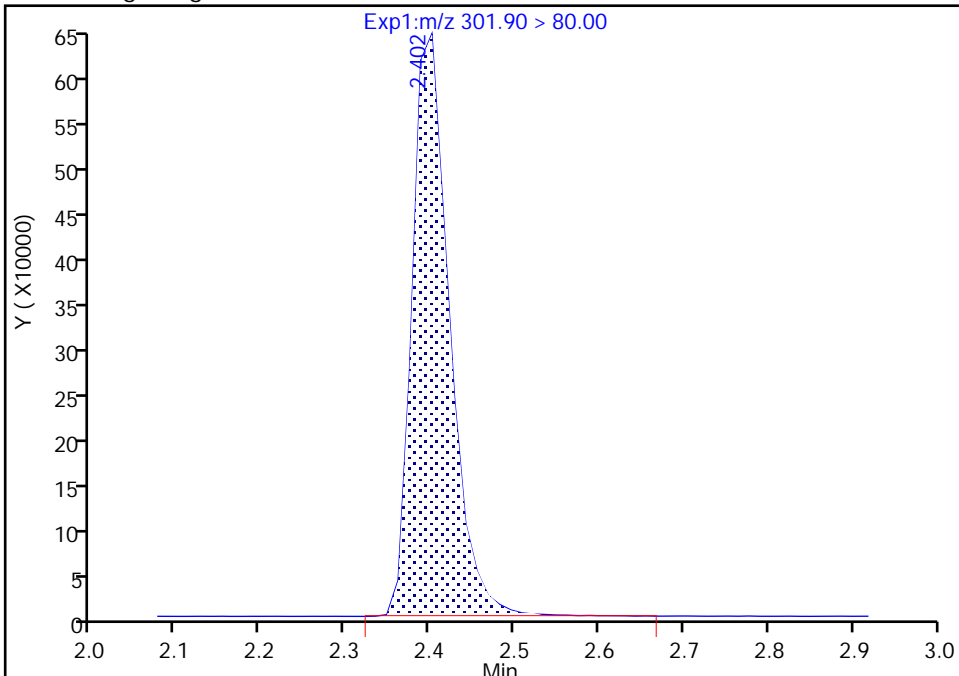
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A06.d
Injection Date: 08-Dec-2022 15:29:26 Instrument ID: LC812
Lims ID: MB 200-186445/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

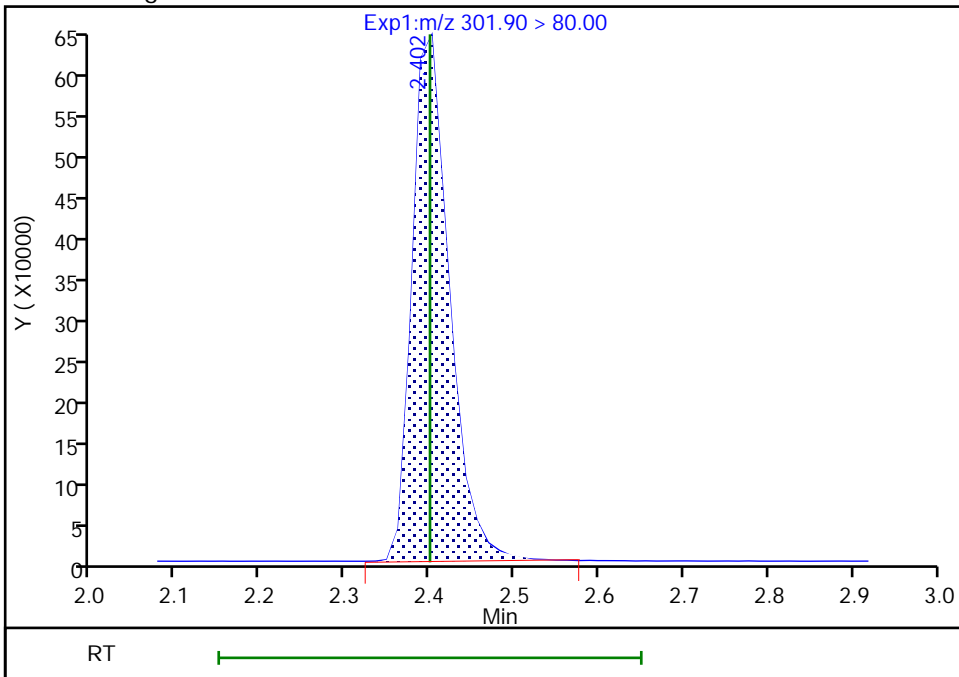
RT: 2.40
Area: 1970604
Amount: 1.032705
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 1963389
Amount: 1.028924
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:38:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: CCB 200-186513/4
 Matrix: Solid Lab File ID: PA221208A04.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 12/08/2022 15:13
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: _____ % Solids: _____ GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186513 Units: ng/mL

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.13	U	0.13	0.030
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.050	U	0.050	0.017
307-24-4	Perfluorohexanoic acid (PFHxA)	0.050	U	0.050	0.016
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.050	U	0.050	0.014
335-67-1	Perfluorooctanoic acid (PFOA)	0.050	U	0.050	0.019
375-95-1	Perfluorononanoic acid (PFNA)	0.050	U	0.050	0.012
335-76-2	Perfluorodecanoic acid (PFDA)	0.050	U	0.050	0.012
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.050	U	0.050	0.014
307-55-1	Perfluorododecanoic acid (PFDoA)	0.050	U	0.050	0.012
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.050	U	0.050	0.012
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.050	U	0.050	0.016
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.050	U	0.050	0.016
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.050	U	0.050	0.014
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.050	U	0.050	0.010
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.050	U	0.050	0.021
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.050	U	0.050	0.010
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.050	U	0.050	0.023
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.13	U	0.13	0.048
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.13	U	0.13	0.040
27619-97-2	6:2 FTS	0.13	U	0.13	0.032
39108-34-4	8:2 FTS	0.050	U	0.050	0.020

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: CCB 200-186513/4
 Matrix: Solid Lab File ID: PA221208A04.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 12/08/2022 15:13
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: _____ % Solids: _____ GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186513 Units: ng/mL

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	107		50-150
STL01892	13C4 PFHpA	99		50-150
STL00990	13C4 PFOA	102		50-150
STL00991	13C4 PFOS	115		50-150
STL00995	13C5 PFNA	104		50-150
STL00992	13C4 PFBA	96		50-150
STL00993	13C2 PFHxA	99		50-150
STL00996	13C2 PFDA	115		50-150
STL00997	13C2 PFUnA	109		50-150
STL00998	13C2 PFDoA	105		50-150
STL01056	13C8 FOSA	115		50-150
STL01893	13C5 PFPeA	102		50-150
STL02116	13C2 PFTeDA	109		50-150
STL02118	d3-NMeFOSAA	104		50-150
STL02117	d5-NEtFOSAA	110		50-150
STL02279	M2-6:2 FTS	113		50-150
STL02280	M2-8:2 FTS	113		50-150
STL02337	13C3 PFBS	110		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A04.d
 Lims ID: CCB
 Client ID:
 Sample Type: CCB
 Inject. Date: 08-Dec-2022 15:13:03 ALS Bottle#: 1 Worklist Smp#: 4
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: CCB
 Misc. Info.: 200-0053607-004 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 13-Dec-2022 09:02:15 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1634

First Level Reviewer: nampitakw Date: 09-Dec-2022 14:29:26
 Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA	217.00 > 172.00	2.085	2.076	0.009	0.605	2653144	1.19	95.6	13139	
D 3 13C5 PFPeA	267.90 > 223.00	2.400	2.387	0.013	0.696	2156606	1.27	102	4093	
D 47 13C3 PFBS	301.90 > 80.00	2.413	2.400	0.013	0.700	2345913	1.28	110	261740	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.426	2.400	0.026	1.006	2183	0.000946	Target=2.09	3.5		M
298.90 > 99.00	2.413	2.400	0.013	1.000	1524		1.43(1.04-3.13)	1.2		M
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.713	2.689	0.024	1.005	462	0.000848		8.1		M
D 60 M2-4:2 FTS	329.00 > 81.00	2.701	2.689	0.012	0.784	206481	1.27	109	205	M
D 7 13C2 PFHxA	315.00 > 270.00	2.737	2.725	0.012	0.794	2194960	1.24	99.1	3019	
6 Perfluorohexanoic acid										RM
313.00 > 269.00	2.725	2.725	0.0	0.996	2921	0.001527	Target=14.25	0.7		RM
313.00 > 119.00	2.737	2.725	0.012	1.000	587		4.98(7.12-21.37)	1.1		M
67 Perfluoro(2-propoxypropanoic) ac										
285.00 > 169.00	2.847	2.835	0.012	1.000	371	0.001150		4.9		
D 64 13C3 HFPO-DA	287.00 > 169.00	2.847	2.835	0.012	0.826	381881	1.22	97.7	2346	
D 11 18O2 PFHxS	403.00 > 84.00	3.087	3.088	-0.001	0.896	1687767	1.26	107	3056	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.087	3.088	-0.001	1.000	7314	0.004540	Target=3.66	26.3		M
399.00 > 99.00	3.087	3.088	-0.001	1.000	2547		2.87(1.83-5.49)	3.5		

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 9 13C4 PFHpA										
367.00 > 322.00	3.098	3.099	-0.001	0.899	2260905	1.24		99.2	4187	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.121	3.099	0.022	1.007	1031	0.000524	Target=3.97		0.3	M
363.00 > 169.00	3.087	3.099	-0.012	0.996	429		2.40(1.98-5.95)		1.2	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.438	3.439	-0.001	0.997	301571	1.34		113	711	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.438	3.439	-0.001	1.000	274	-0.0114			1.6	M
D 14 13C4 PFOA										
417.00 > 372.00	3.446	3.448	-0.002	1.000	2616972	1.28		102	3907	
* 62 13C2 PFOA										
415.00 > 370.00	3.446	3.448	-0.002		2474985	1.25			4705	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.411	3.448	-0.037	0.990	2967	0.001326	Target=2.79		0.2	M
413.00 > 169.00	3.455	3.448	0.007	1.003	757		3.92(1.40-4.19)		1.6	M
D 18 13C4 PFOS										
503.00 > 80.00	3.763	3.764	-0.001	1.092	1249417	1.38		115	4338	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.763	3.764	-0.001	1.000	2536	0.001994	Target=5.11		3.2	RM
499.00 > 99.00	3.782	3.764	0.018	1.005	1005		2.52(2.55-7.66)		1.6	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.782	3.783	-0.001	1.000	615	0.000287	Target=8.55		0.2	M
463.00 > 169.00	3.791	3.783	0.008	1.003	125		4.92(4.28-12.83)		2.7	M
D 19 13C5 PFNA										
468.00 > 423.00	3.782	3.783	-0.001	1.097	2584161	1.30		104	4643	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.939	3.928	0.011	1.047	829	0.000284			5.4	M
D 23 13C2 PFDA										
515.00 > 470.00	4.081	4.081	0.0	1.184	2915527	1.44		115	5248	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.093	4.093	0.0	1.188	370663	1.35		113	916	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.093	4.093	0.0	1.000	46	0.00009190			0.8	M
D 21 13C8 FOSA										
506.00 > 78.00	4.150	4.150	0.0	1.204	2392922	1.44		115	3266	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.228	4.228	0.0	1.227	535124	1.30		104	1382	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.238	4.228	0.010	1.002	564	-0.0101			1.1	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.353	4.353	0.0	1.263	2533252	1.36		109	3463	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.353	4.353	0.0	1.000	1269	0.000621	Target=9.88		0.7	M
563.00 > 169.00	4.353	4.353	0.0	1.000	225		5.64(4.94-14.82)		4.1	M
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.410	4.365	0.045	1.010	200	0.000501			2.2	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.365	4.365	0.0	1.266	557077	1.37		110	1153	
66 11-Chloroeicosafuoro-3-oxaundec										M
631.00 > 451.00	4.443	4.454	-0.011	1.181	460	0.000102			2.3	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.591	4.591	0.0	1.332	2486186	1.31		105	4932	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.602	4.612	-0.010	1.124	177	0.000588			4.3	M
75 Perfluorododecanesulfonic acid (RM
699.00 > 80.00	4.776	4.776	0.0	1.269	360	0.001123	Target=0.50		5.3	RM
699.00 > 99.00	4.767	4.776	-0.009	1.267	173		2.08(0.25-0.76)		5.8	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.012	5.012	0.0	1.002	260	0.001066	Target=0.89		2.8	M
713.00 > 219.00	5.002	5.012	-0.010	1.000	573		0.45(0.44-1.33)		7.1	M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.002	5.012	-0.010	1.451	2227148	1.36		109	7321	
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.378	5.367	0.011	1.002	28210	-0.003794	Target=5.65		2.5	
813.00 > 169.00	5.367	5.367	0.0	1.000	5061		5.57(2.82-8.47)		39.2	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.367	5.367	0.0	1.557	2886645	1.43		114	6741	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.731	5.722	0.009	1.068	1592	0.000837	Target=6.24		0.2	M
913.00 > 169.00	5.722	5.722	0.0	1.066	215		7.40(3.12-9.36)		3.9	M

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCBLK20_00023

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromf\Burlington\ChromData\LC812\20221208-53607.b\PA221208A04.d

Injection Date: 08-Dec-2022 15:13:03

Instrument ID: LC812

Lims ID: CCB

Client ID:

Operator ID: lc812tech

ALS Bottle#: 1

Worklist Smp#: 4

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

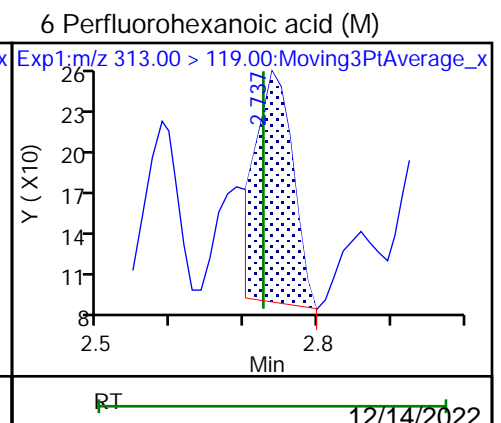
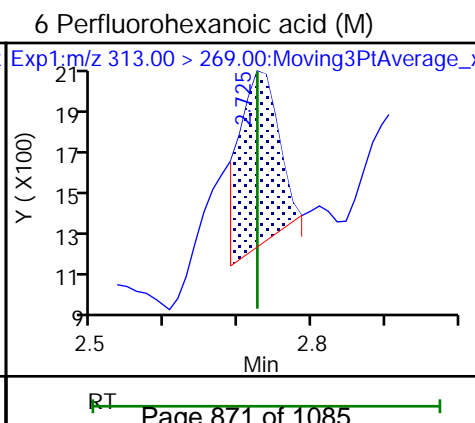
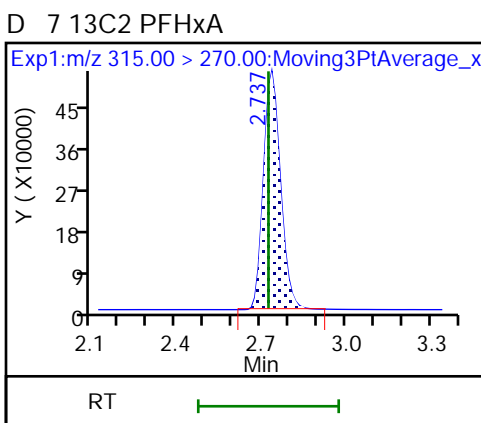
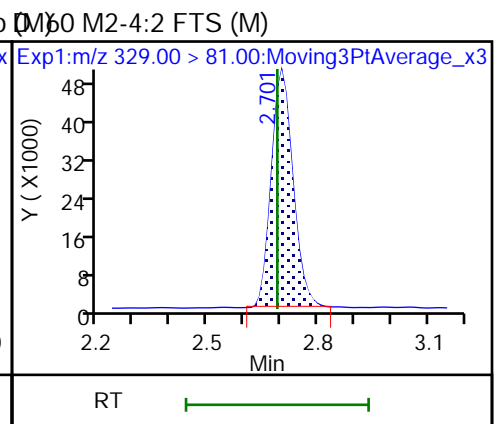
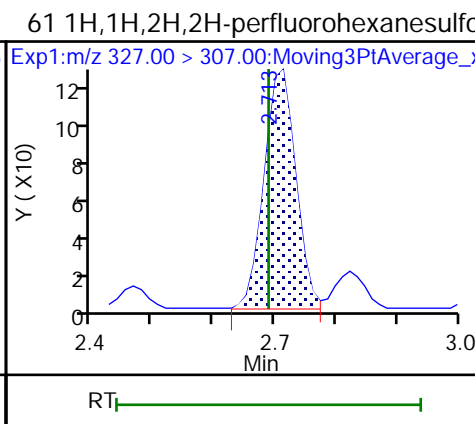
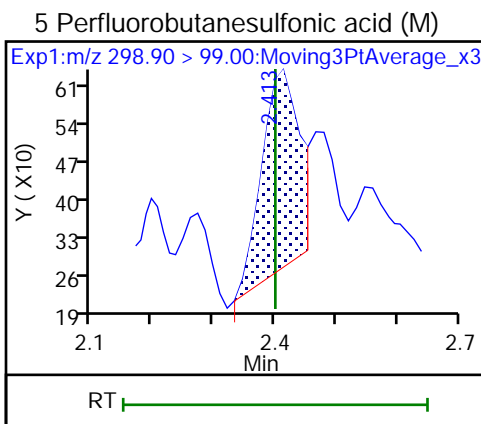
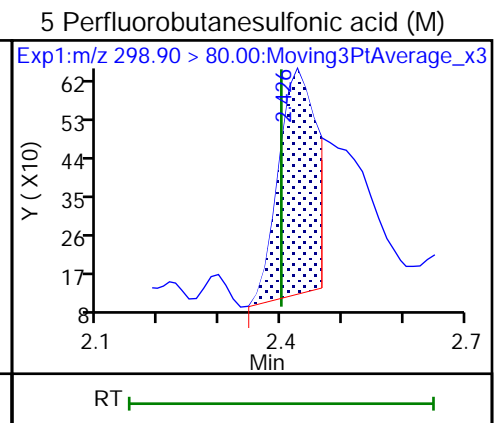
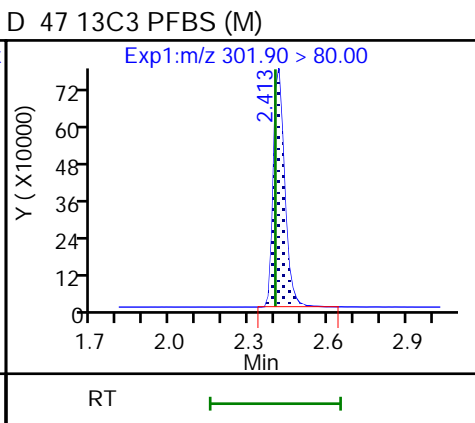
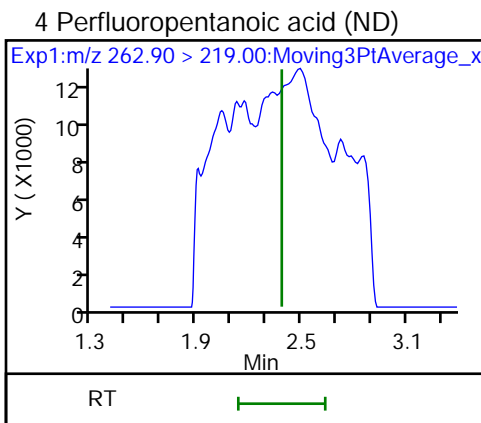
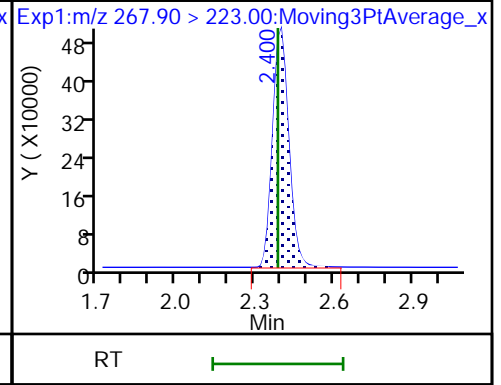
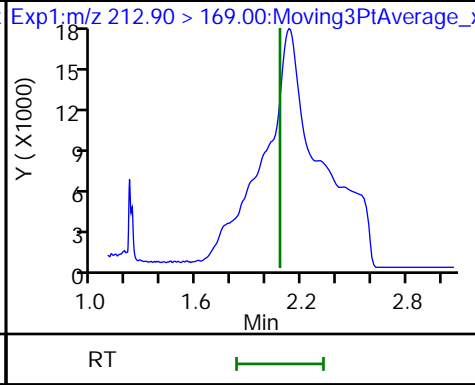
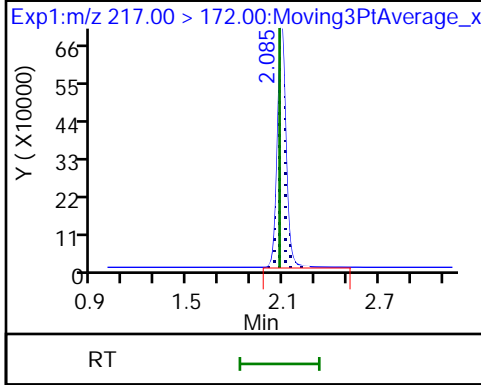
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

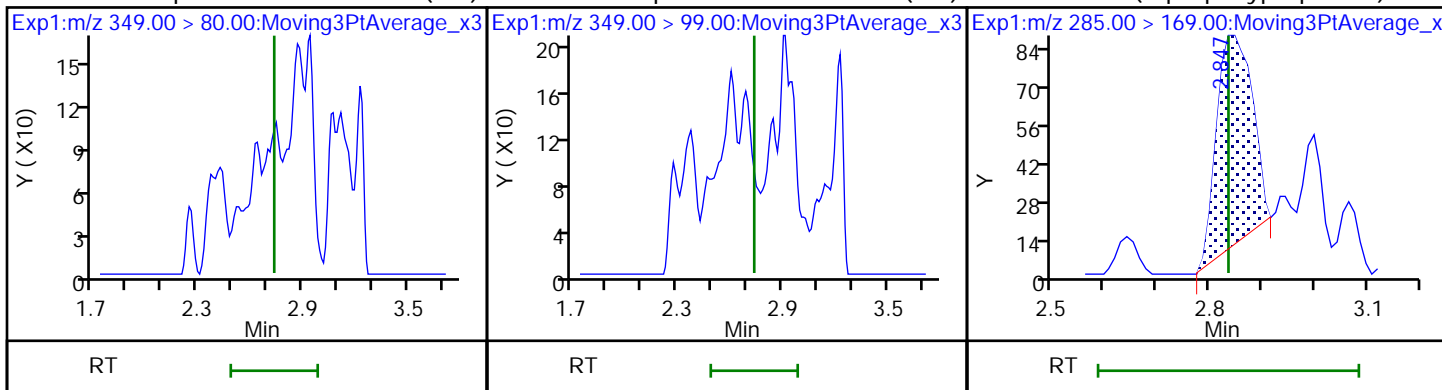
D 1 13C4 PFBA

2 Perfluorobutanoic acid (ND)

D 3 13C5 PFPeA



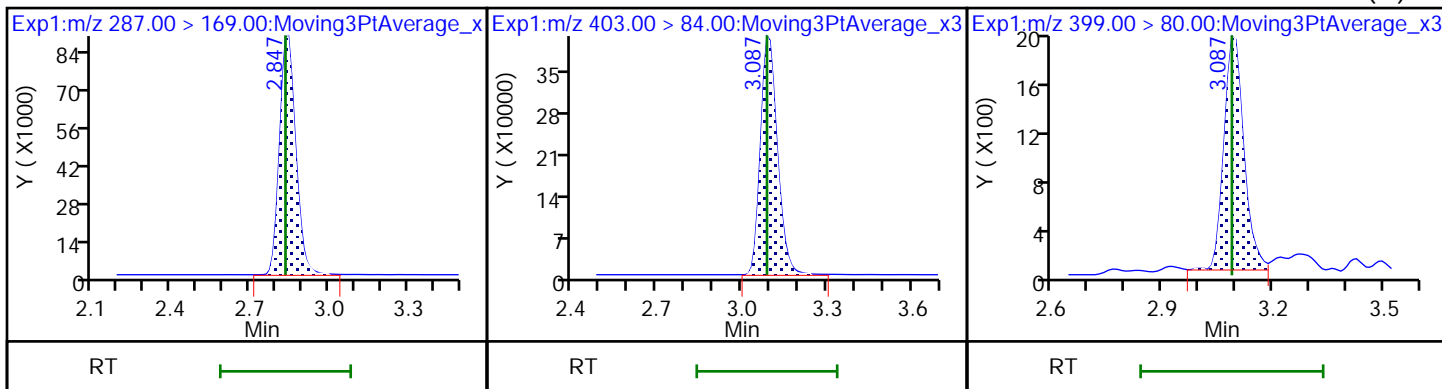
70 Perfluoropentanesulfonic acid (ND) 70 Perfluoropentanesulfonic acid (ND) 67 Perfluoro(2-propoxypropanoic) ac



D 64 13C3 HFPO-DA

D 11 18O2 PFHxS

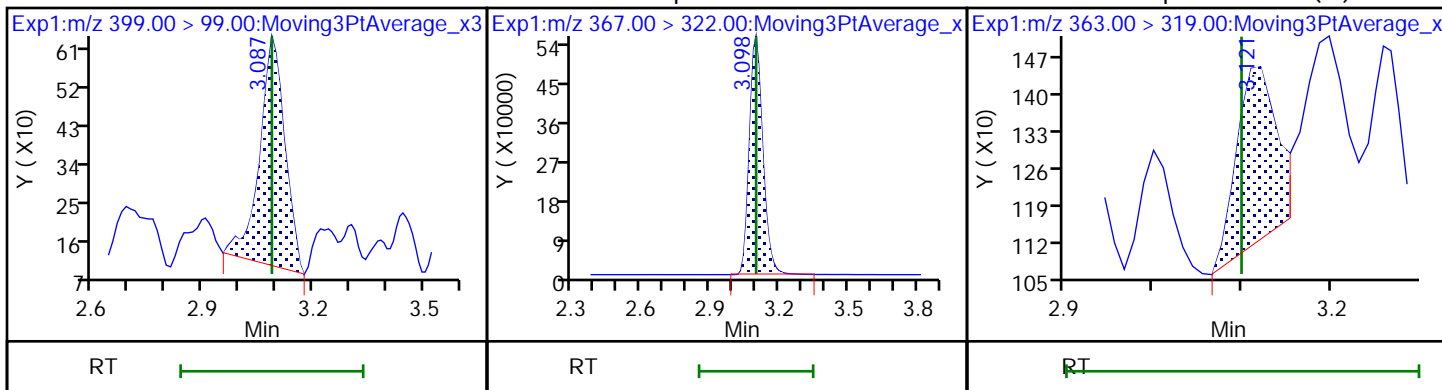
8 Perfluorohexanesulfonic acid (M)



8 Perfluorohexanesulfonic acid

D 9 13C4 PFHpA

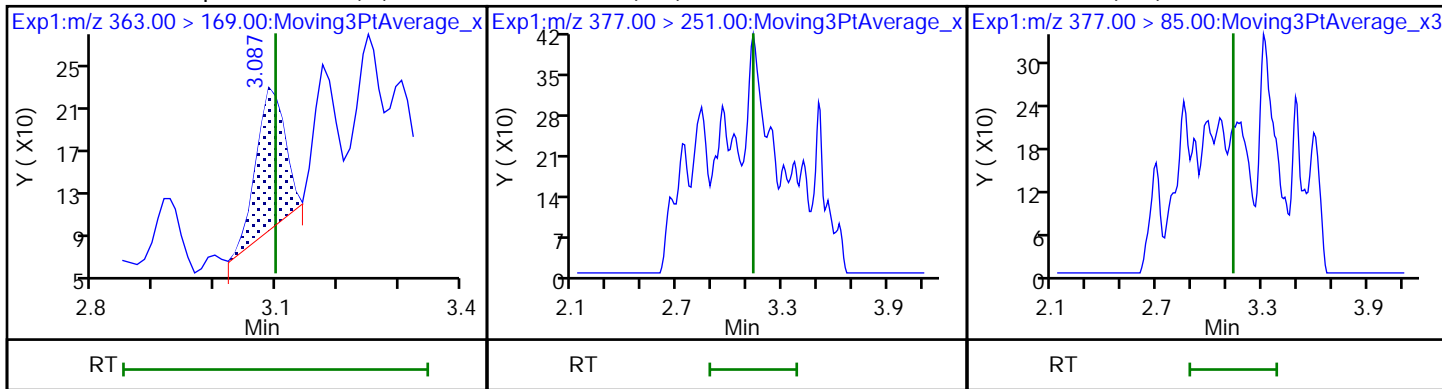
10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid (M)

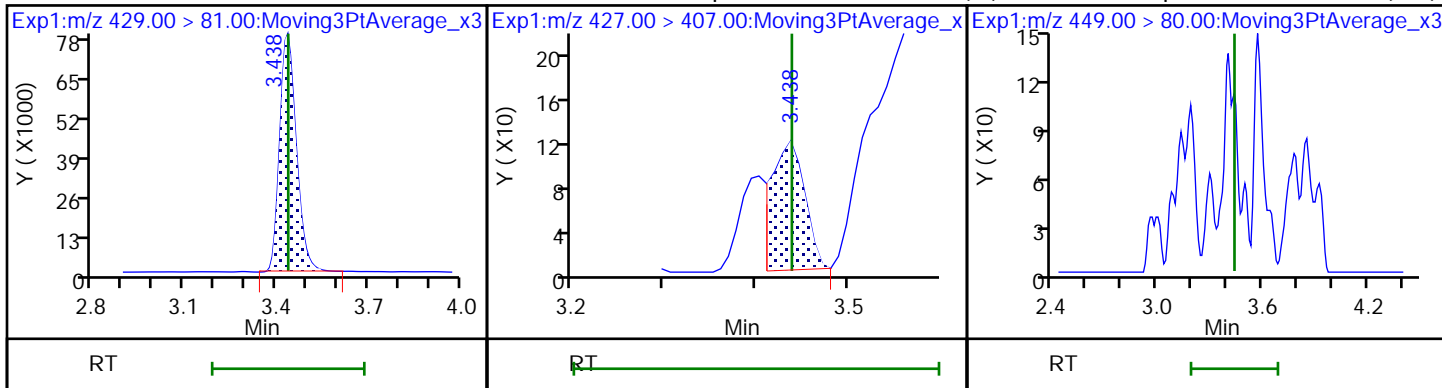
77 DONA (ND)

77 DONA (ND)



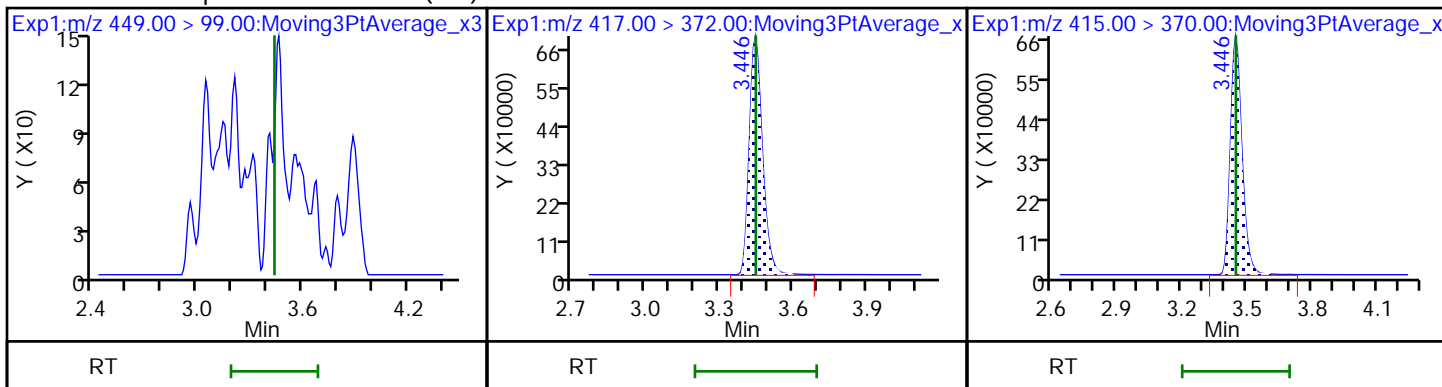
D 12 M2-6:2 FTS

13 1H,1H,2H,2H-perfluorooctanesulfo (M) 6 Perfluoroheptanesulfonic acid (ND)



16 Perfluoroheptanesulfonic acid (ND) D 14 13C4 PFOA

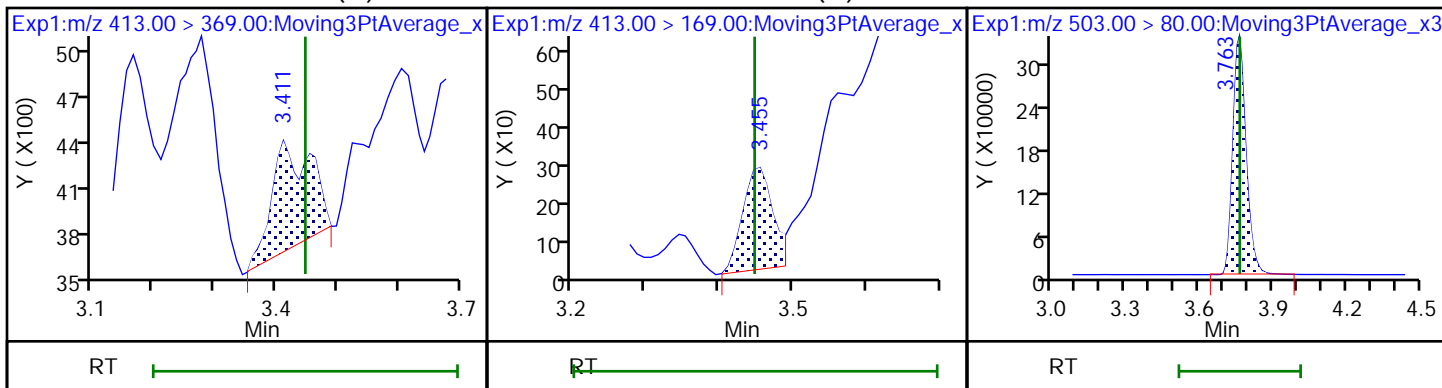
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

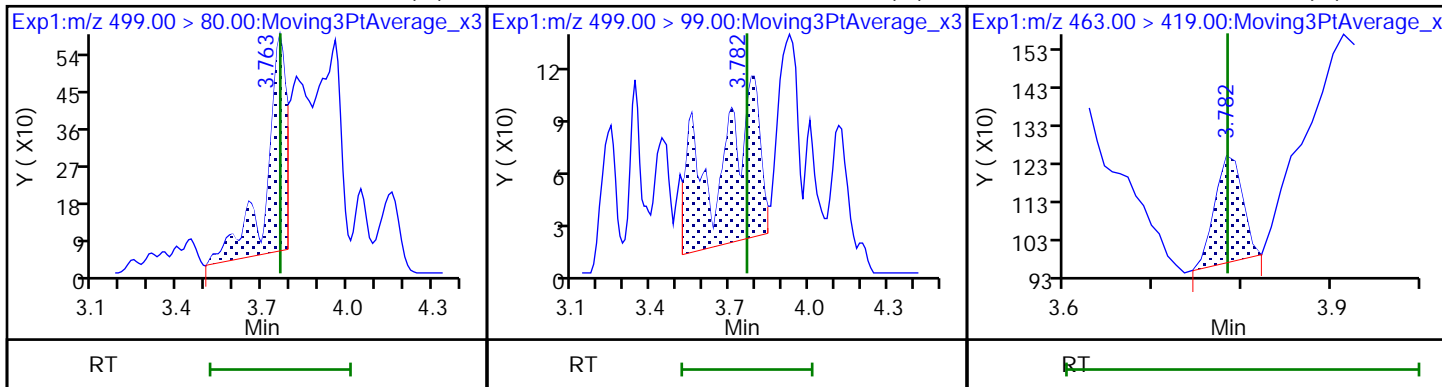
D 18 13C4 PFOS

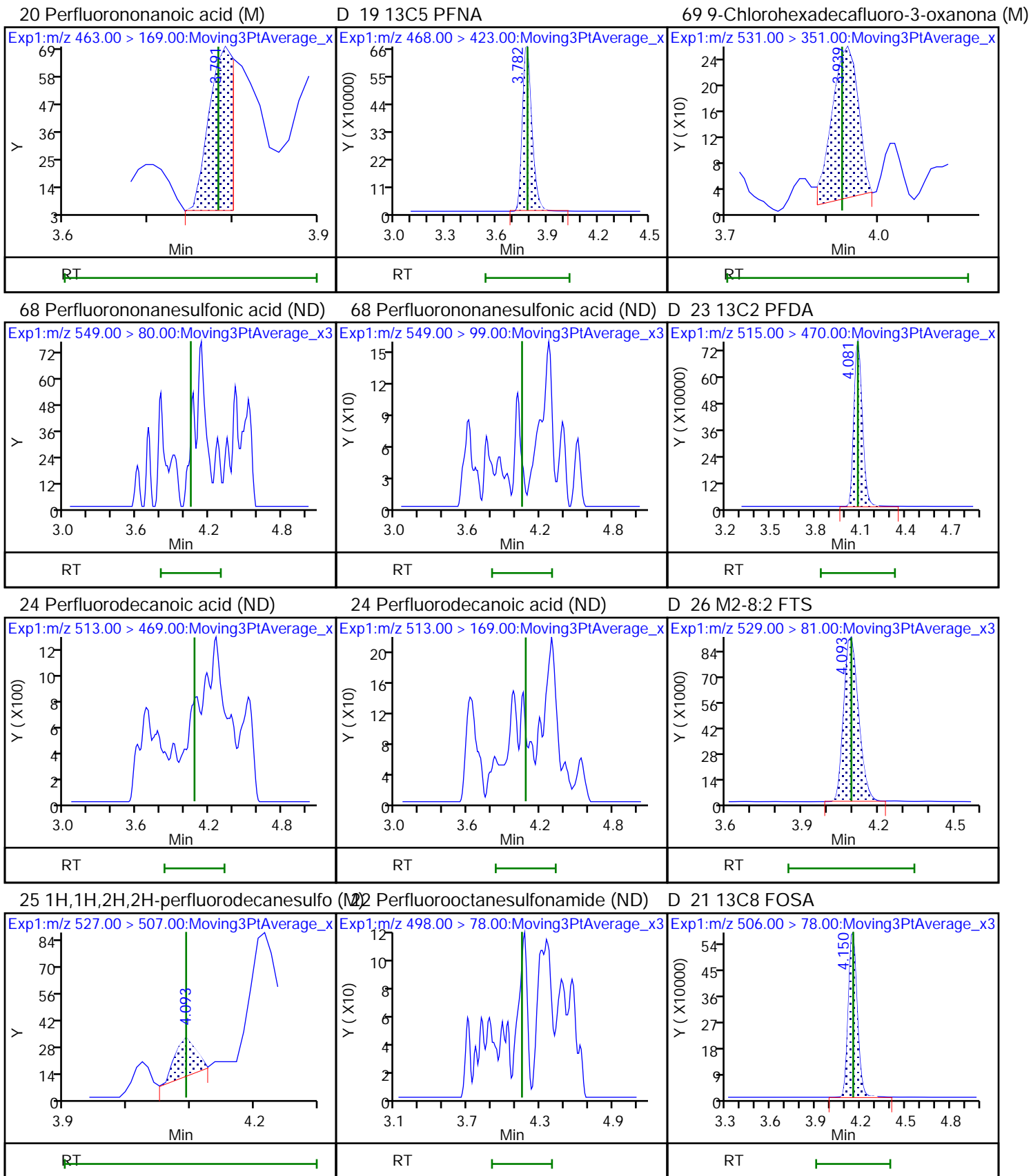


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid (M)

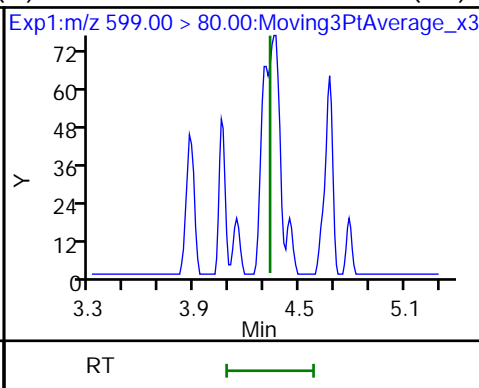
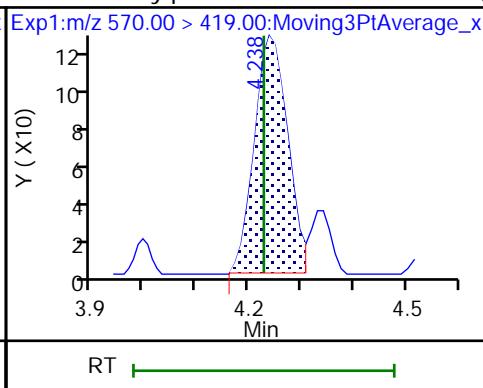
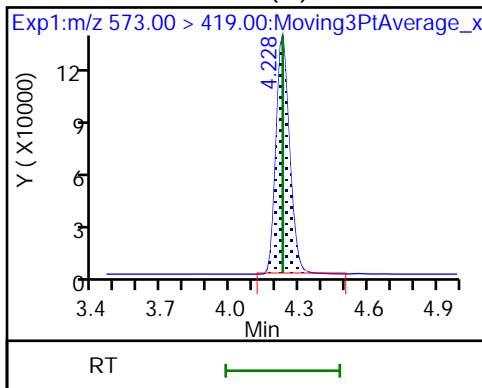




D 27 d3-NMeFOSAA (M)

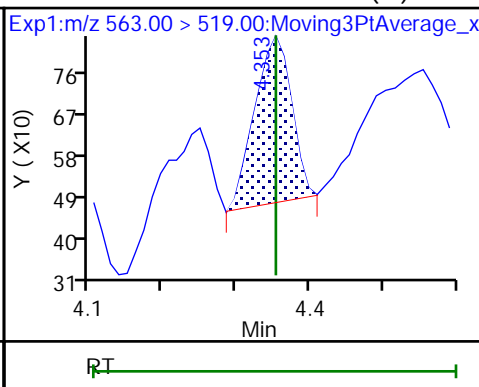
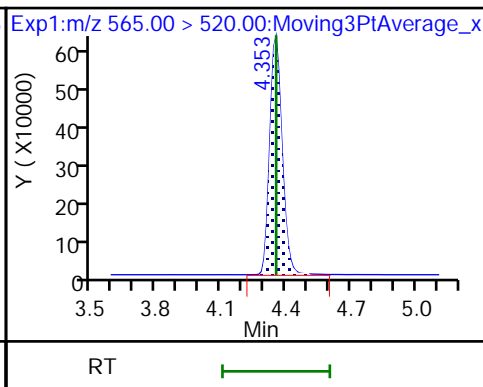
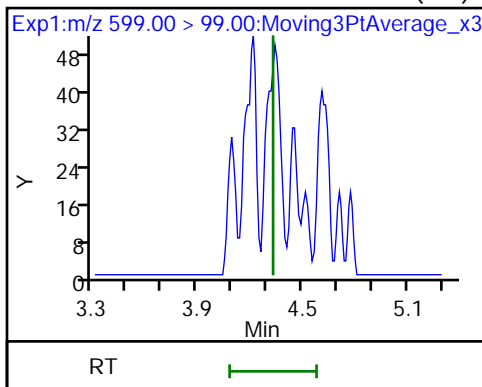
28 N-methylperfluorooctanesulfonami (M)

29 Perfluorodecanesulfonic acid (ND)



29 Perfluorodecanesulfonic acid (ND) D 30 13C2 PFUoA

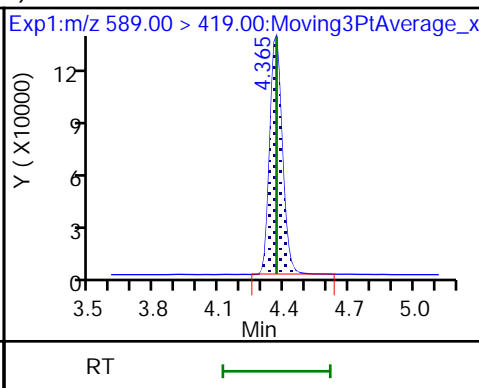
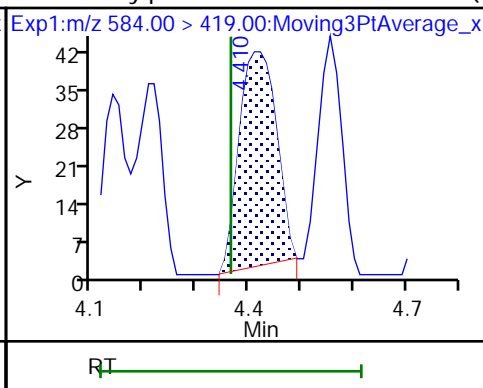
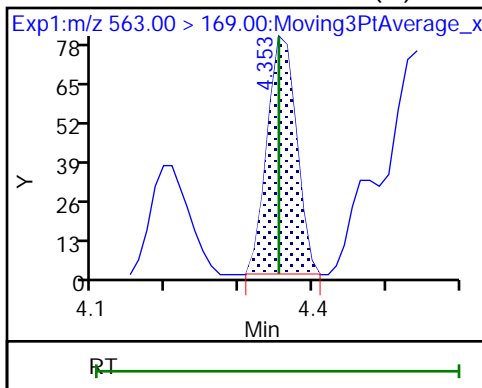
31 Perfluoroundecanoic acid (M)



31 Perfluoroundecanoic acid (M)

33 N-ethylperfluorooctanesulfonamid (ND)

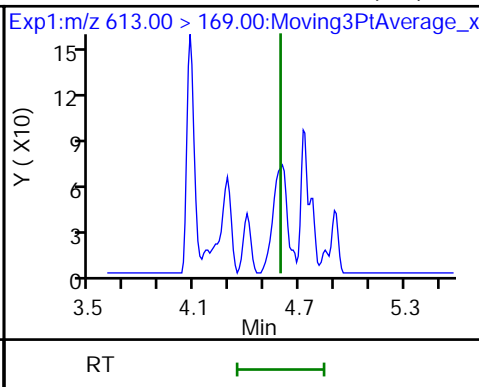
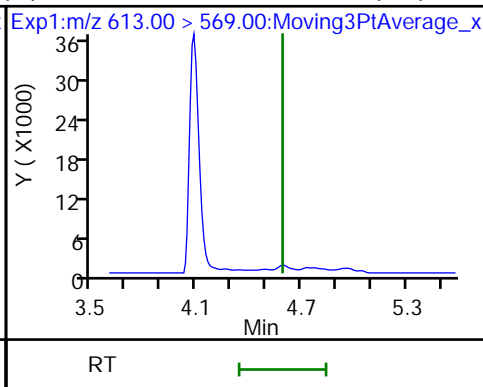
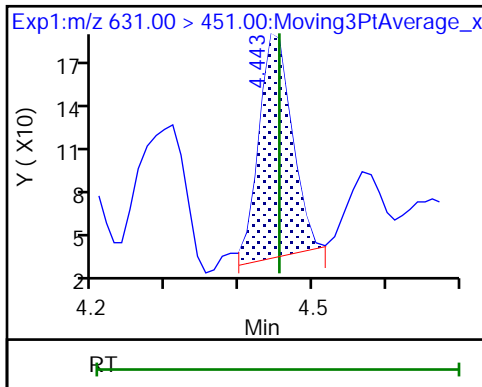
32 d5-NEtFOSAA



66 11-Chloroeicosafuoro-3-oxaundec (M)

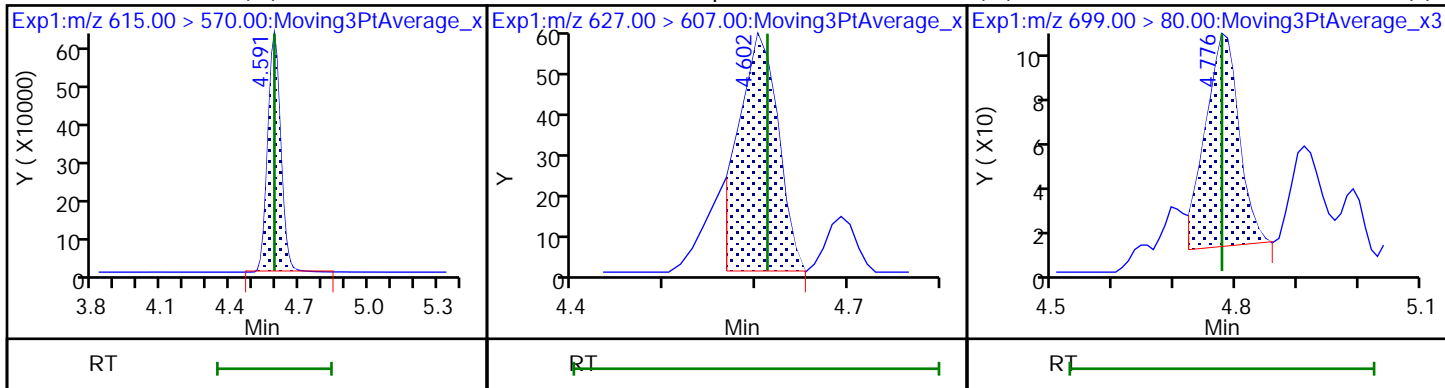
37 Perfluorododecanoic acid (ND)

37 Perfluorododecanoic acid (ND)



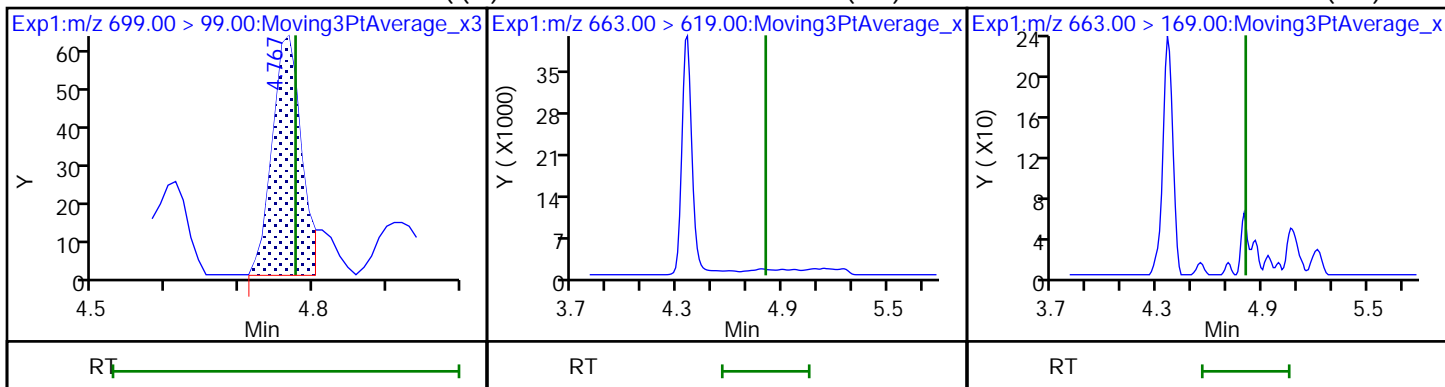
D 36 13C2 PFDa (M)

74 1H,1H,2H,2H-perfluorododecanesul (M) 75 Perfluorododecanesulfonic acid (M)



75 Perfluorododecanesulfonic acid (M) 41 Perfluorotridecanoic acid (ND)

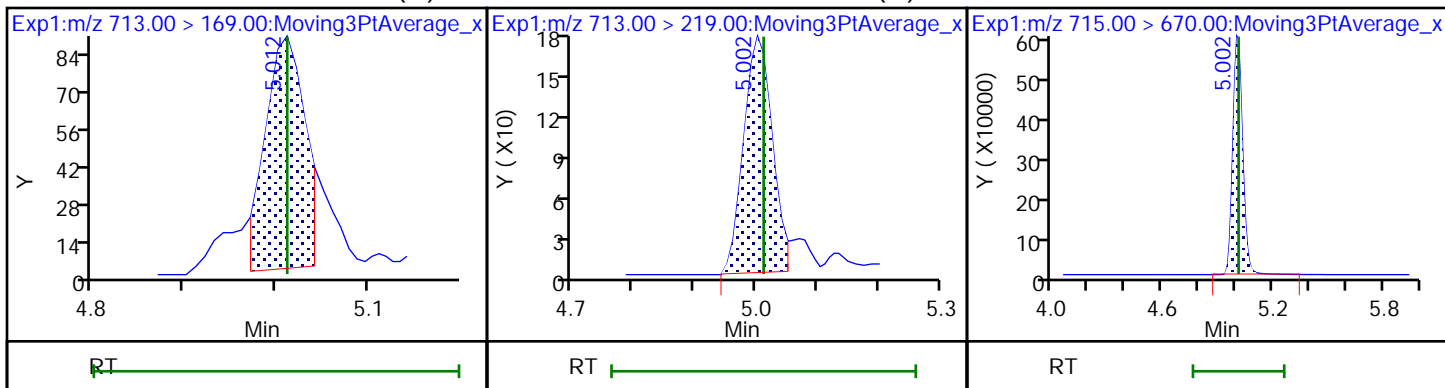
41 Perfluorotridecanoic acid (ND)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

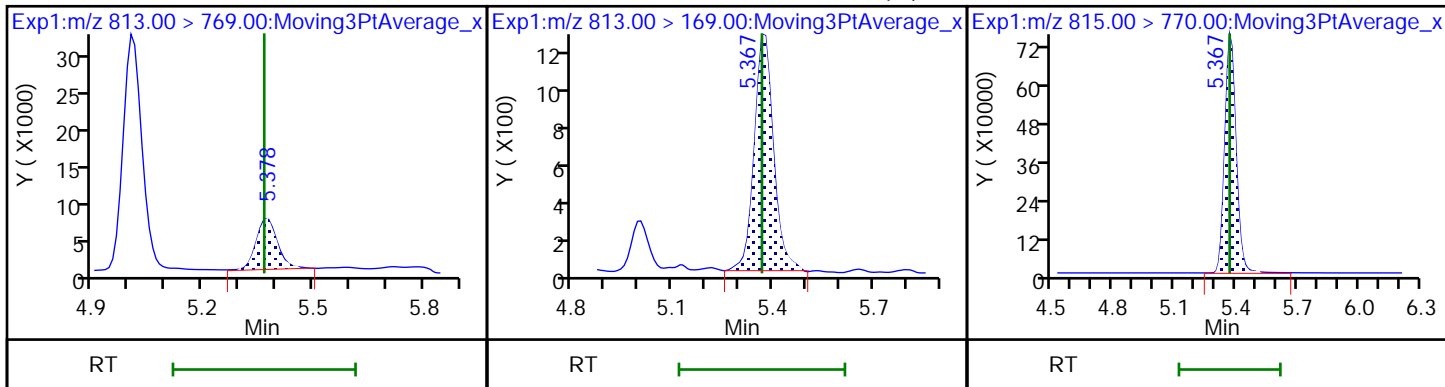
D 43 13C2 PFTeDA



45 Perfluorohexadecanoic acid

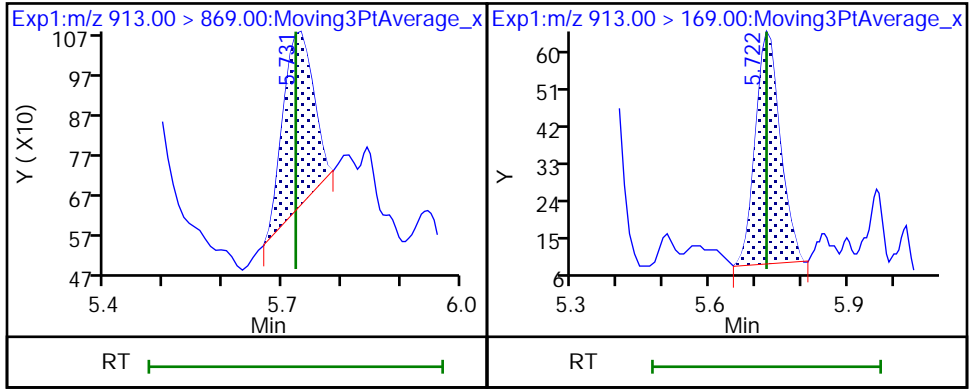
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

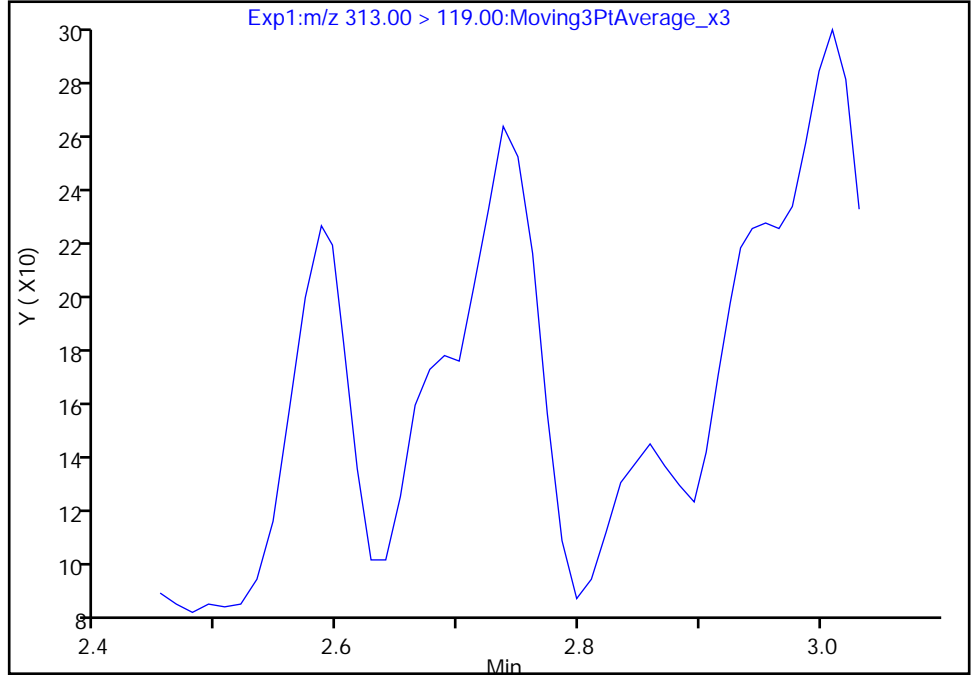
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Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

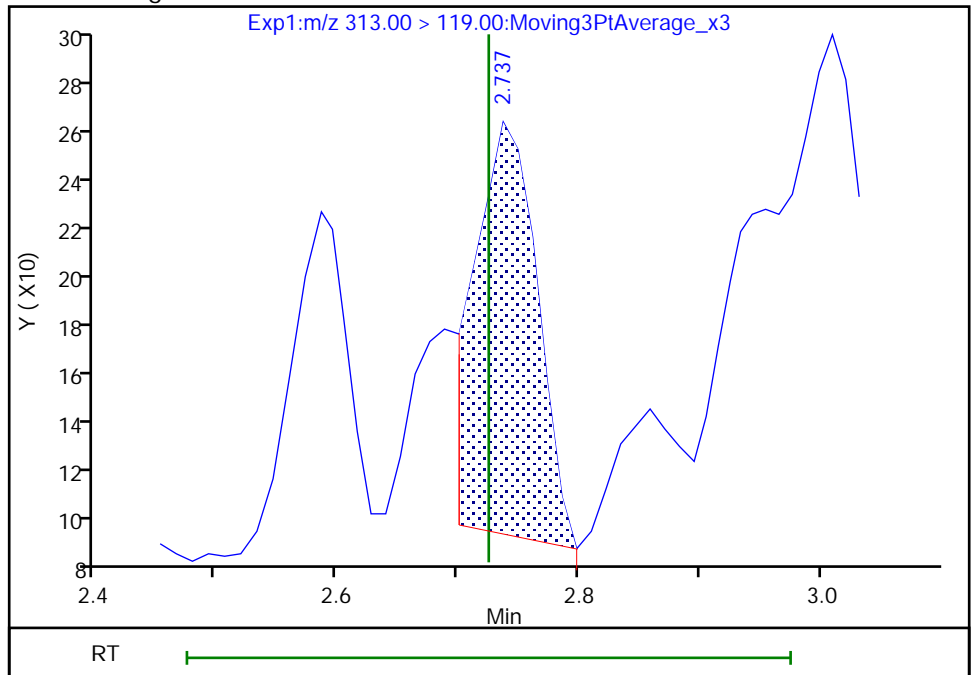
Not Detected
Expected RT: 2.73

Processing Integration Results



Manual Integration Results

RT: 2.74
Area: 587
Amount: 0.001527
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 14:23:10
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

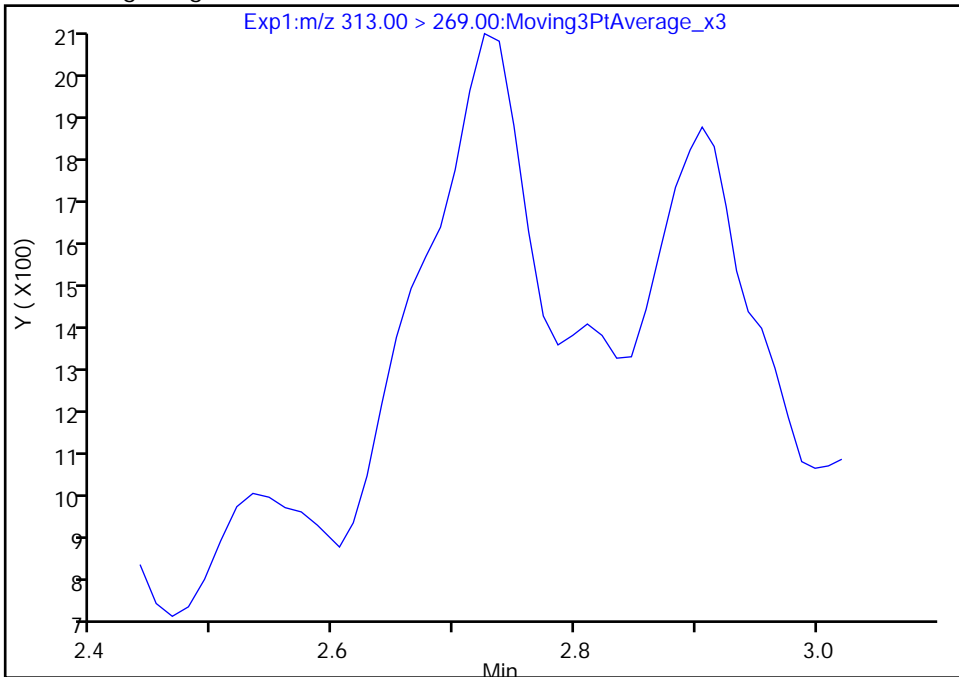
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Injection Date: 08-Dec-2022 15:13:03 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

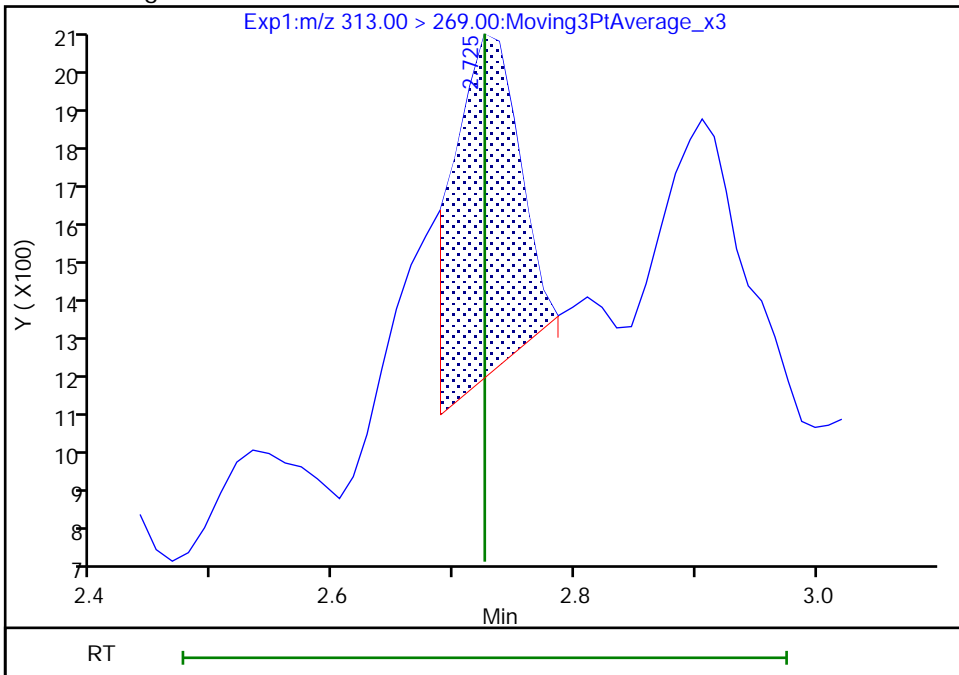
Not Detected
Expected RT: 2.73

Processing Integration Results



RT: 2.73
Area: 2921
Amount: 0.001527
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

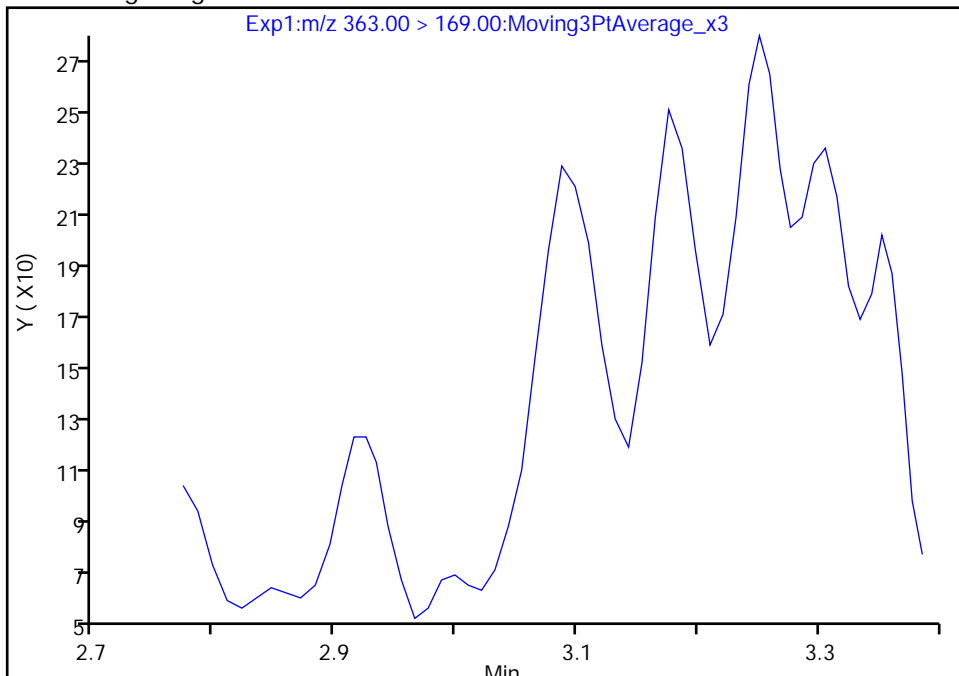
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A04.d
Injection Date: 08-Dec-2022 15:13:03 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

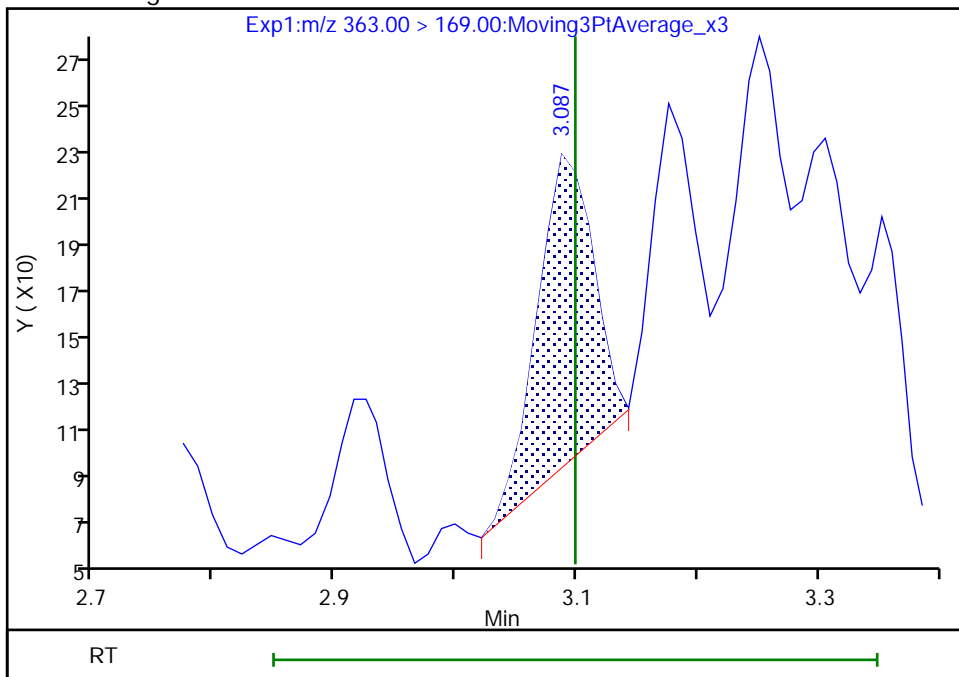
Not Detected
Expected RT: 3.10

Processing Integration Results



RT: 3.09
Area: 429
Amount: 0.000524
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:23:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

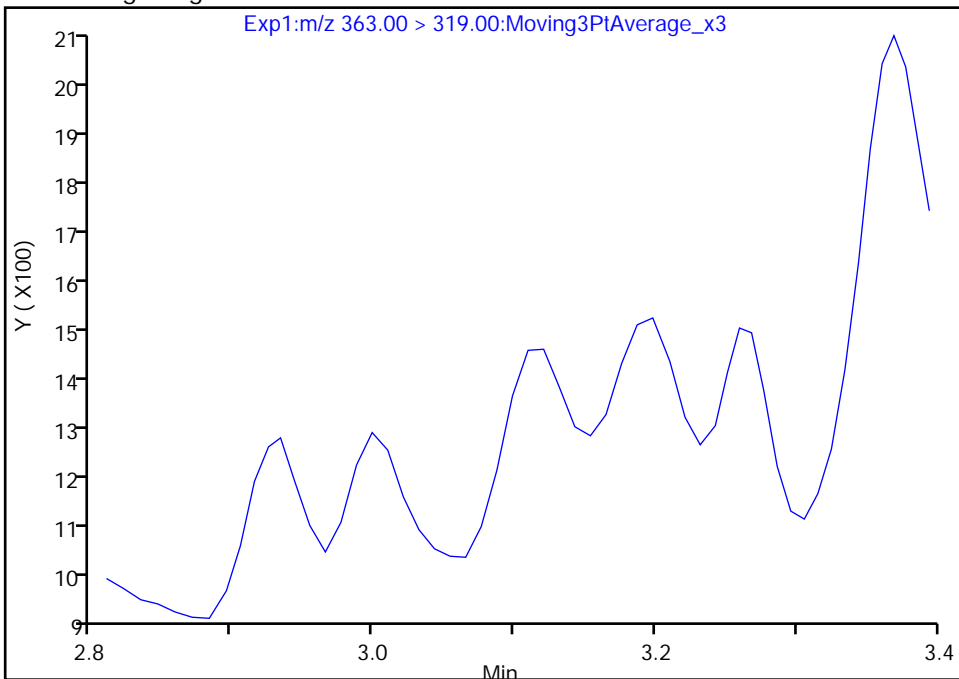
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A04.d
Injection Date: 08-Dec-2022 15:13:03 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

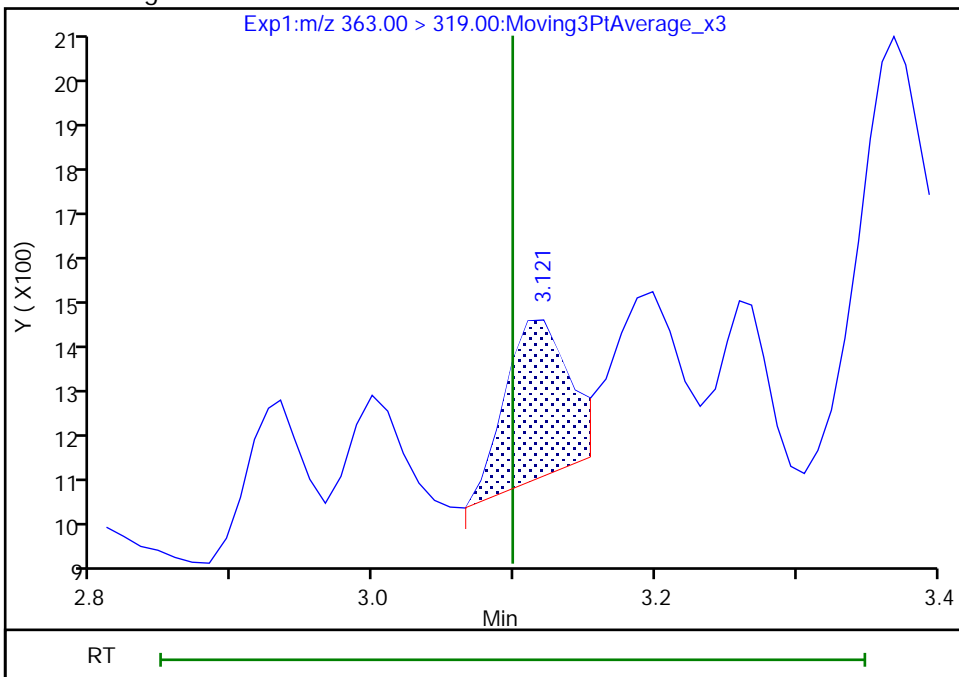
Not Detected
Expected RT: 3.10

Processing Integration Results



Manual Integration Results

RT: 3.12
Area: 1031
Amount: 0.000524
Amount Units: ng/ml



Reviewer: nampitkw, 09-Dec-2022 14:23:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

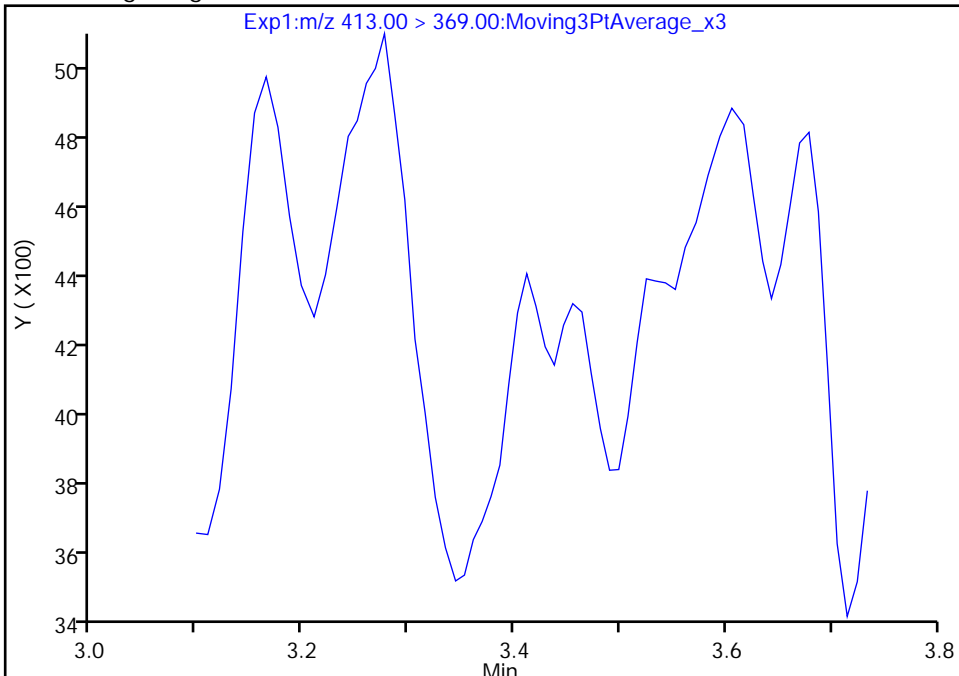
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A04.d
Injection Date: 08-Dec-2022 15:13:03 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

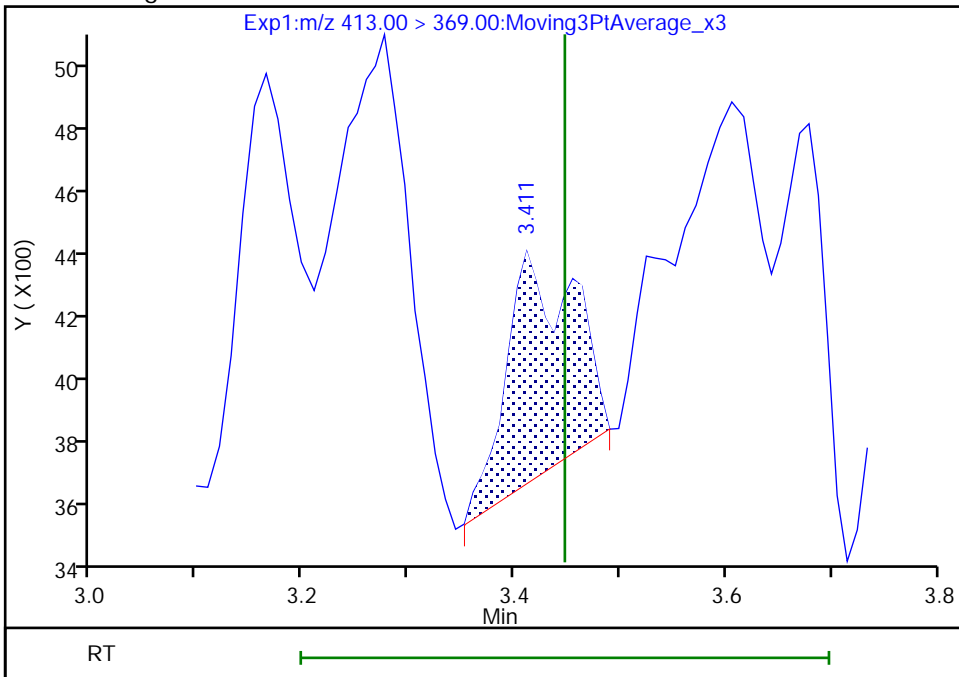
Not Detected
Expected RT: 3.45

Processing Integration Results



Manual Integration Results

RT: 3.41
Area: 2967
Amount: 0.001326
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 14:24:27
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

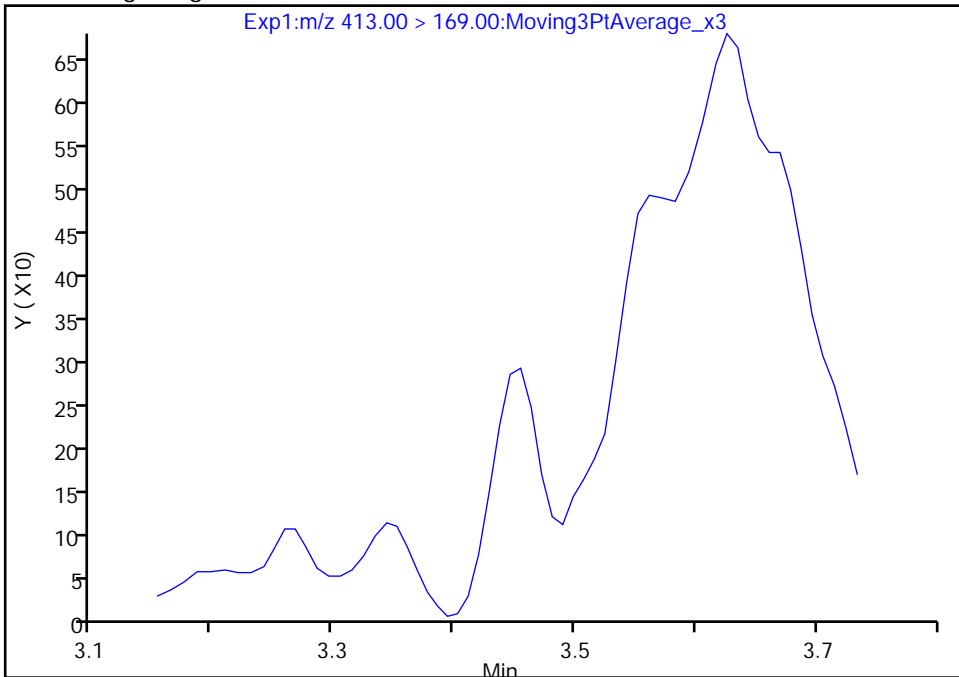
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A04.d
Injection Date: 08-Dec-2022 15:13:03 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

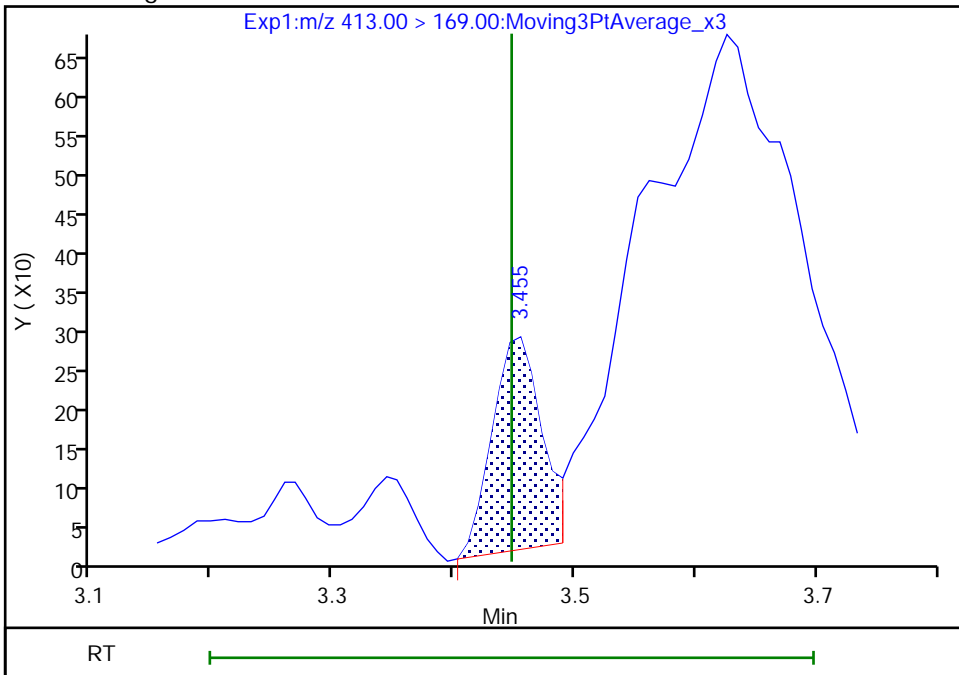
Not Detected
Expected RT: 3.45

Processing Integration Results



Manual Integration Results

RT: 3.46
Area: 757
Amount: 0.001326
Amount Units: ng/ml



Eurofins Burlington

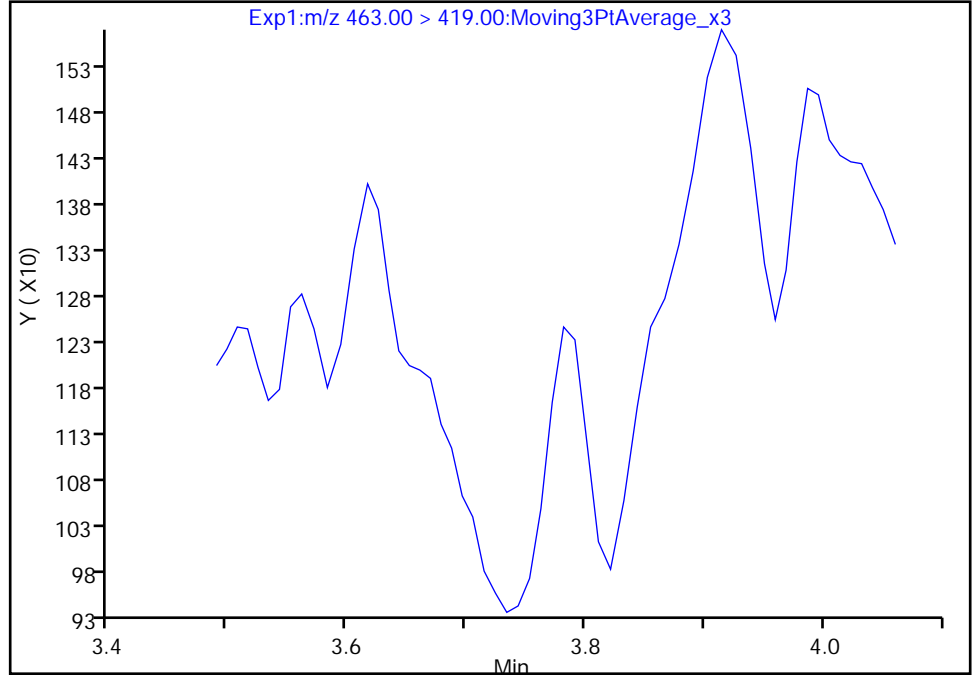
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A04.d
Injection Date: 08-Dec-2022 15:13:03 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

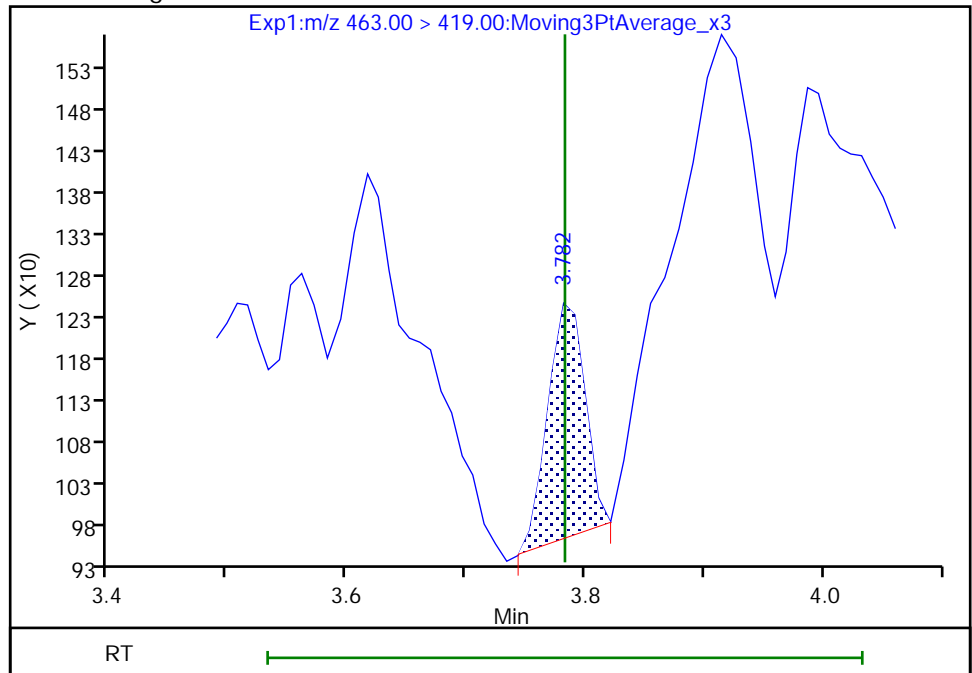
Not Detected
Expected RT: 3.78

Processing Integration Results



Manual Integration Results

RT: 3.78
Area: 615
Amount: 0.000287
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 14:26:33
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

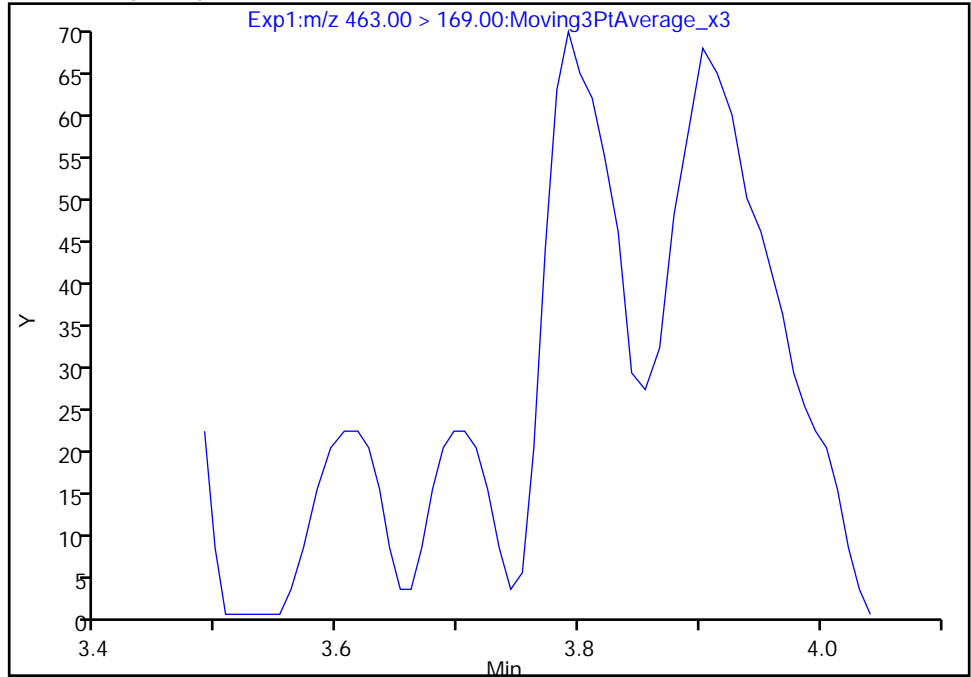
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A04.d
Injection Date: 08-Dec-2022 15:13:03 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

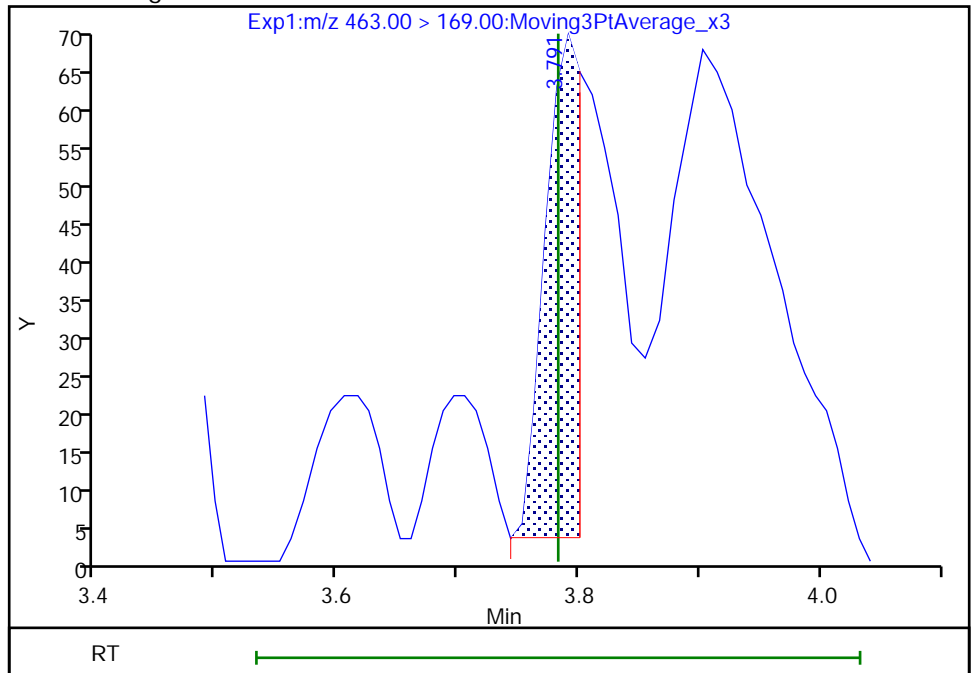
Not Detected
Expected RT: 3.78

Processing Integration Results



RT: 3.79
Area: 125
Amount: 0.000287
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 14:26:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

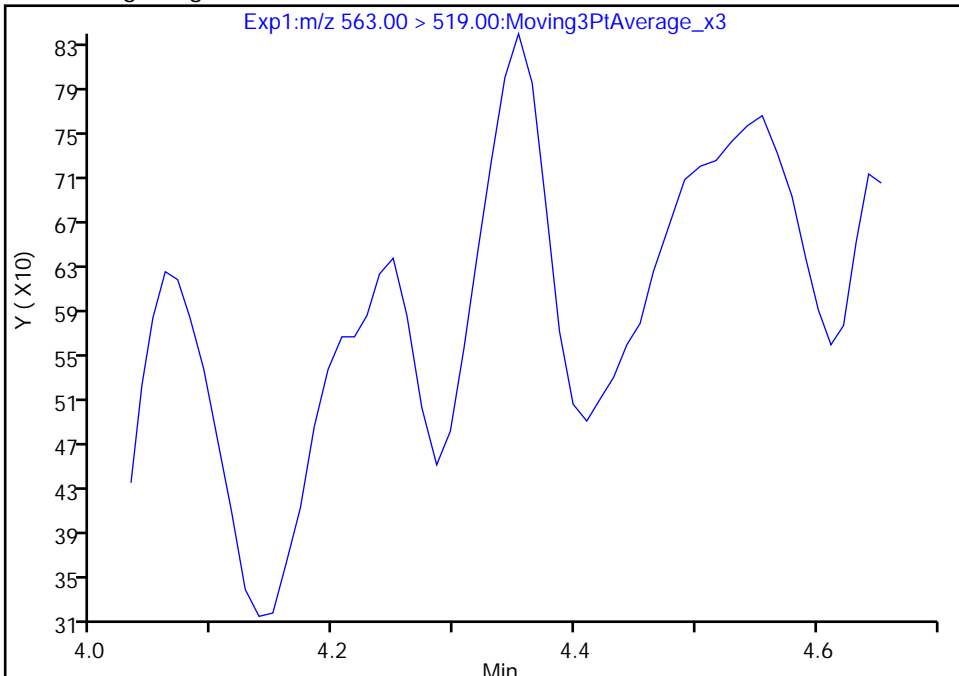
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A04.d
Injection Date: 08-Dec-2022 15:13:03 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

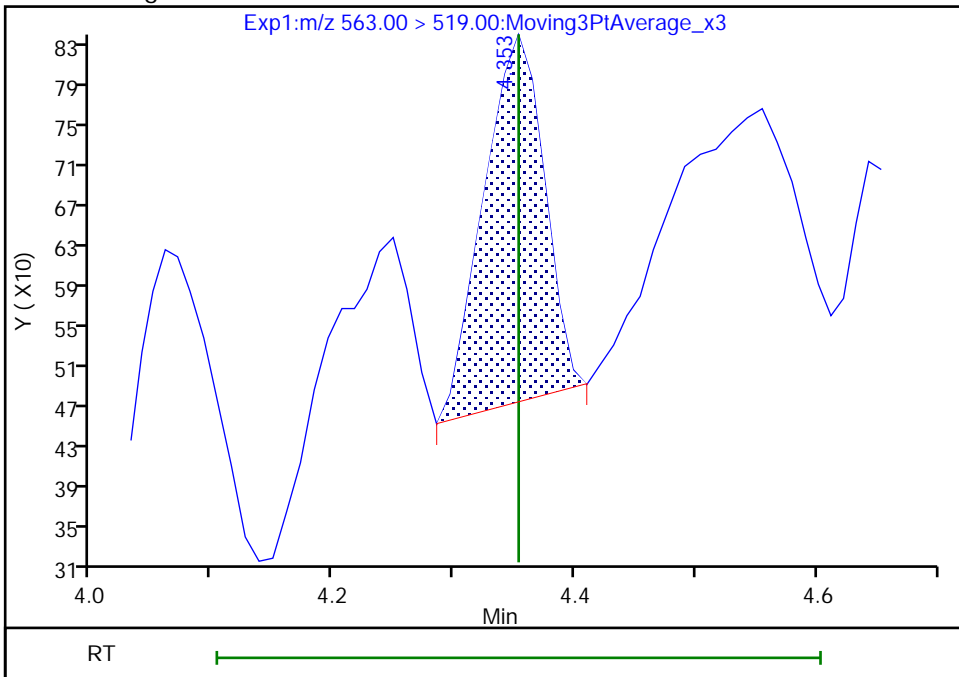
Not Detected
Expected RT: 4.35

Processing Integration Results



Manual Integration Results

RT: 4.35
Area: 1269
Amount: 0.000621
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 14:27:30
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

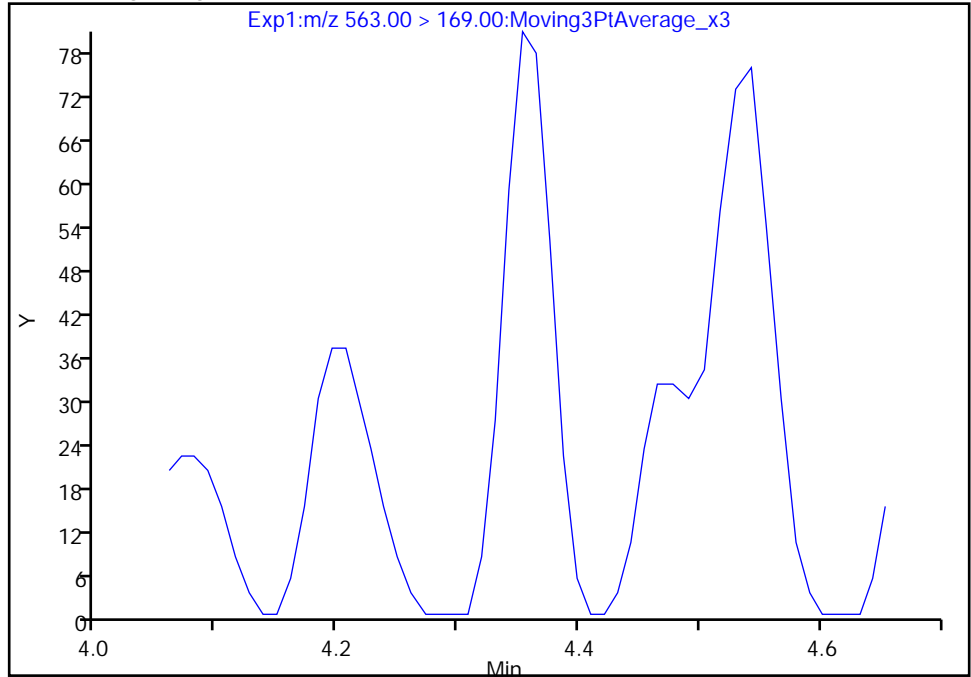
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A04.d
Injection Date: 08-Dec-2022 15:13:03 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

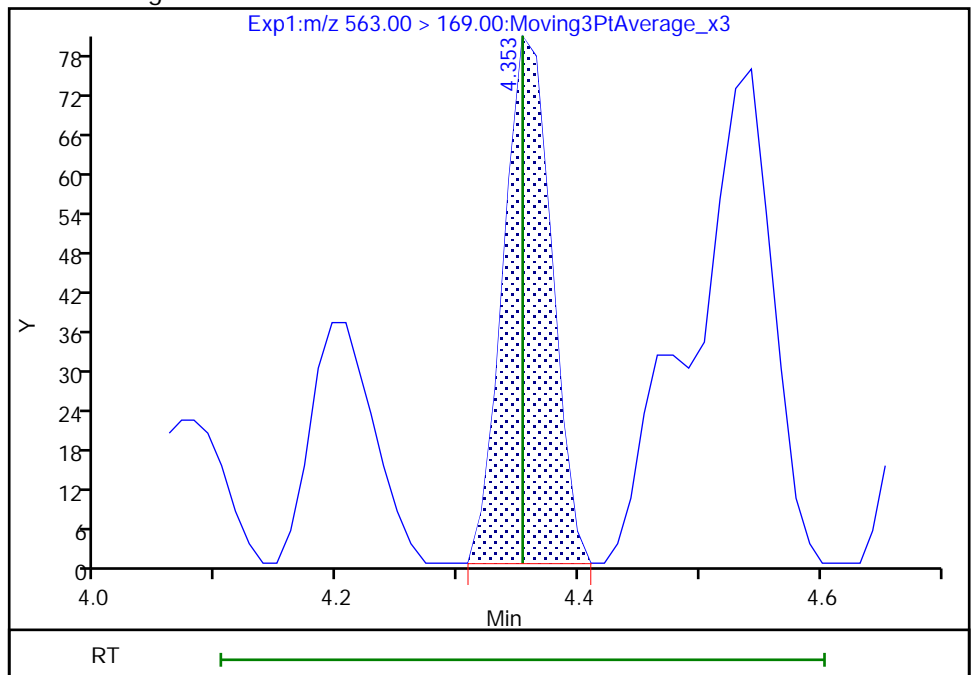
Not Detected
Expected RT: 4.35

Processing Integration Results



Manual Integration Results

RT: 4.35
Area: 225
Amount: 0.000621
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 14:27:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

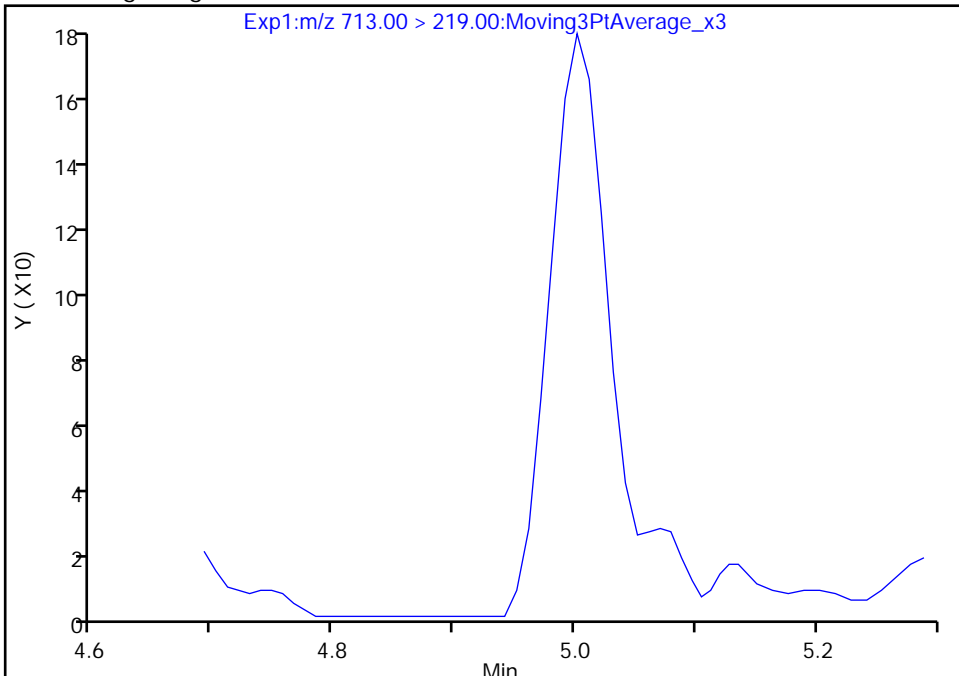
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A04.d
Injection Date: 08-Dec-2022 15:13:03 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

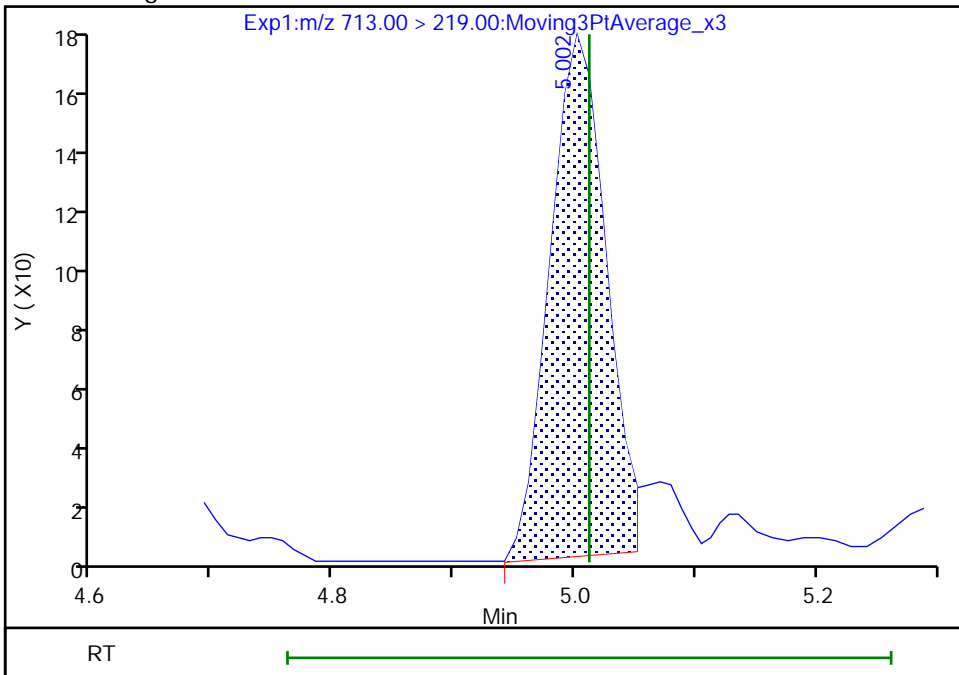
Not Detected
Expected RT: 5.01

Processing Integration Results



Manual Integration Results

RT: 5.00
Area: 573
Amount: 0.001066
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 14:28:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

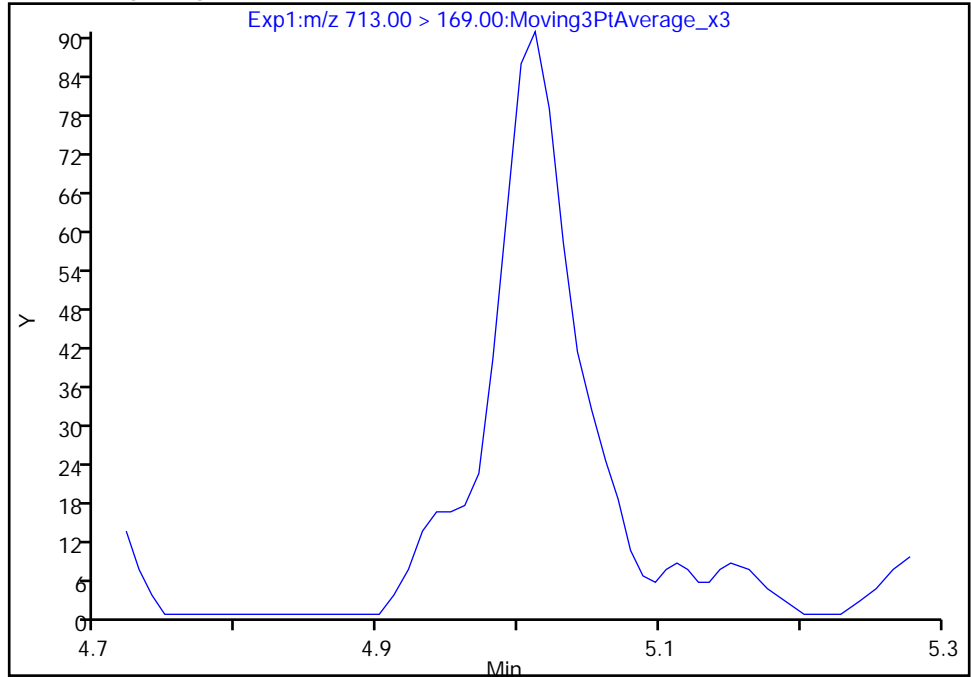
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A04.d
Injection Date: 08-Dec-2022 15:13:03 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

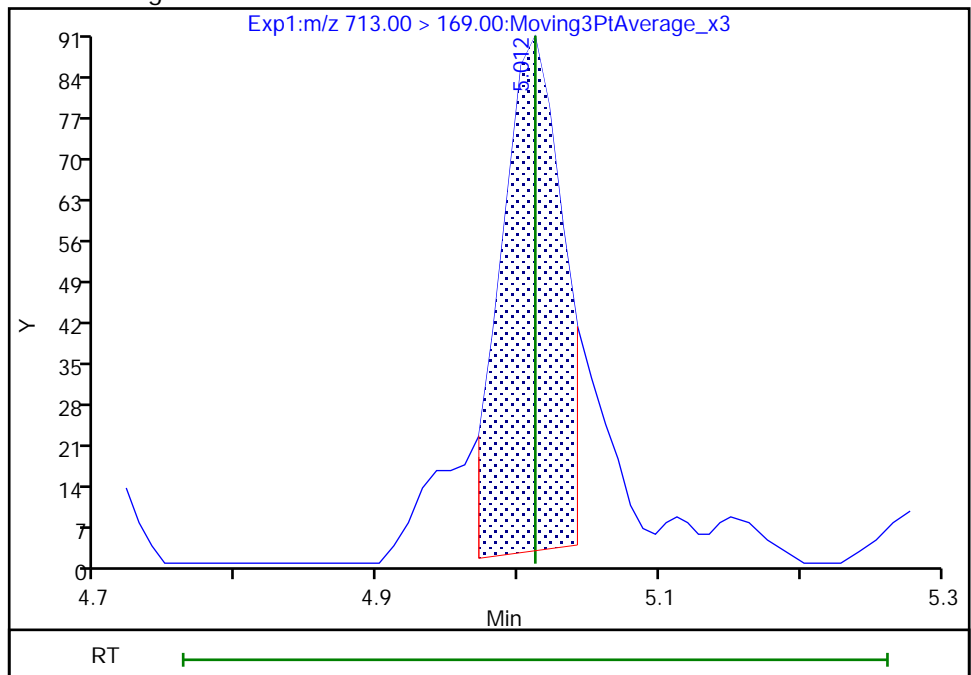
Not Detected
Expected RT: 5.01

Processing Integration Results



Manual Integration Results

RT: 5.01
Area: 260
Amount: 0.001066
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 14:28:51

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

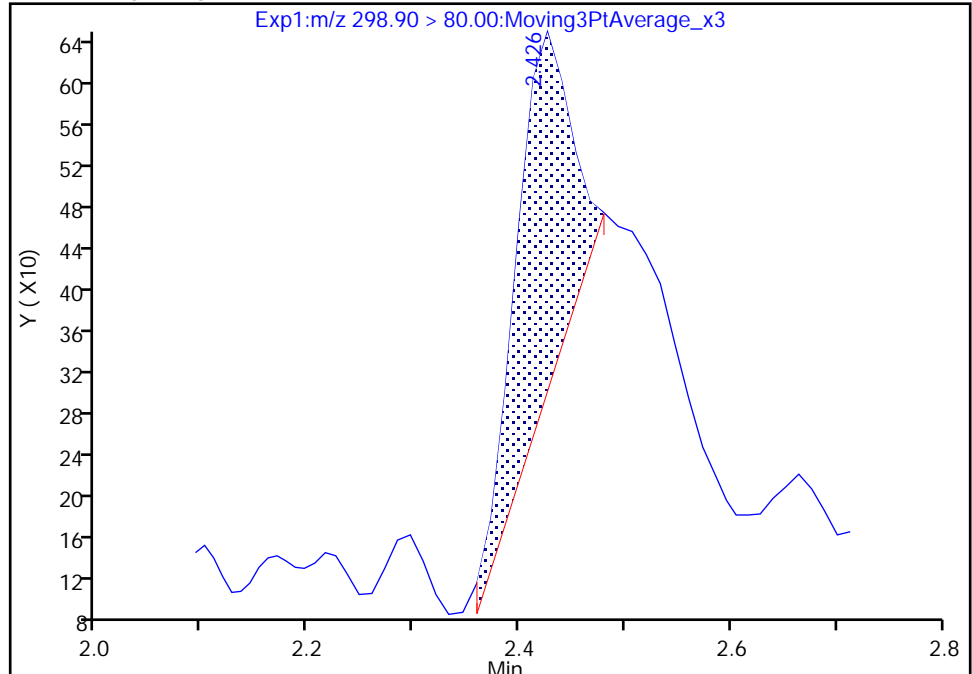
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A04.d
Injection Date: 08-Dec-2022 15:13:03 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

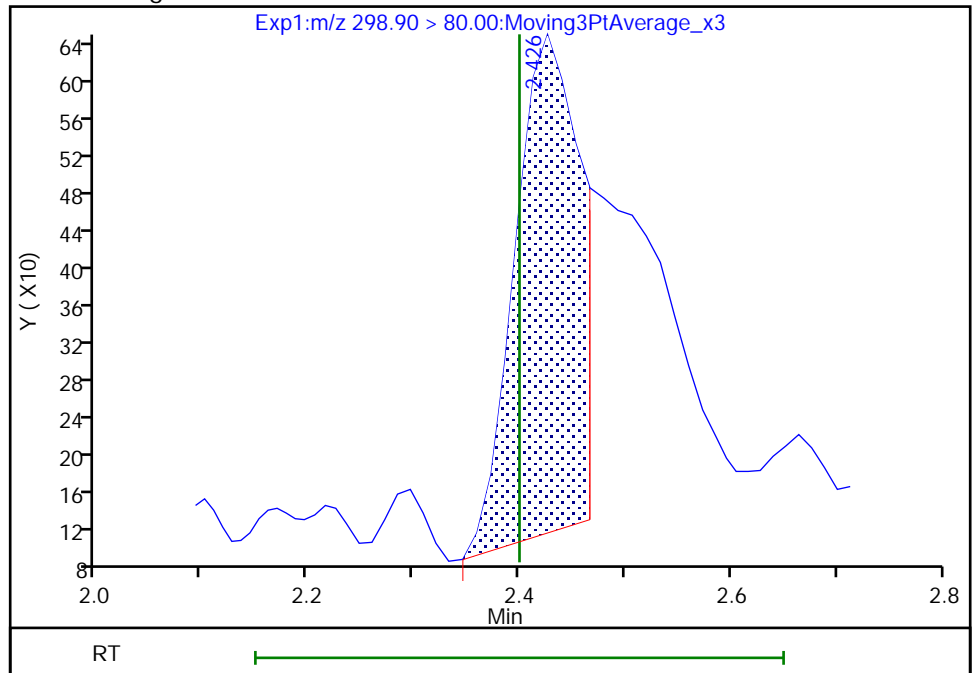
RT: 2.43
Area: 1263
Amount: 0.000547
Amount Units: ng/ml

Processing Integration Results



RT: 2.43
Area: 2183
Amount: 0.000946
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:22:47
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

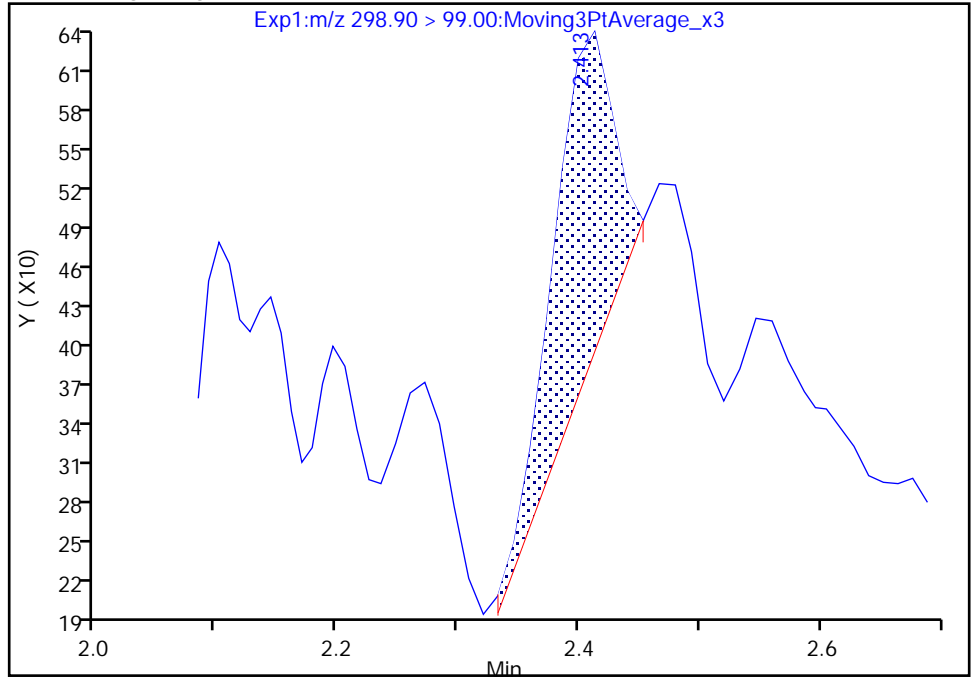
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A04.d
Injection Date: 08-Dec-2022 15:13:03 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

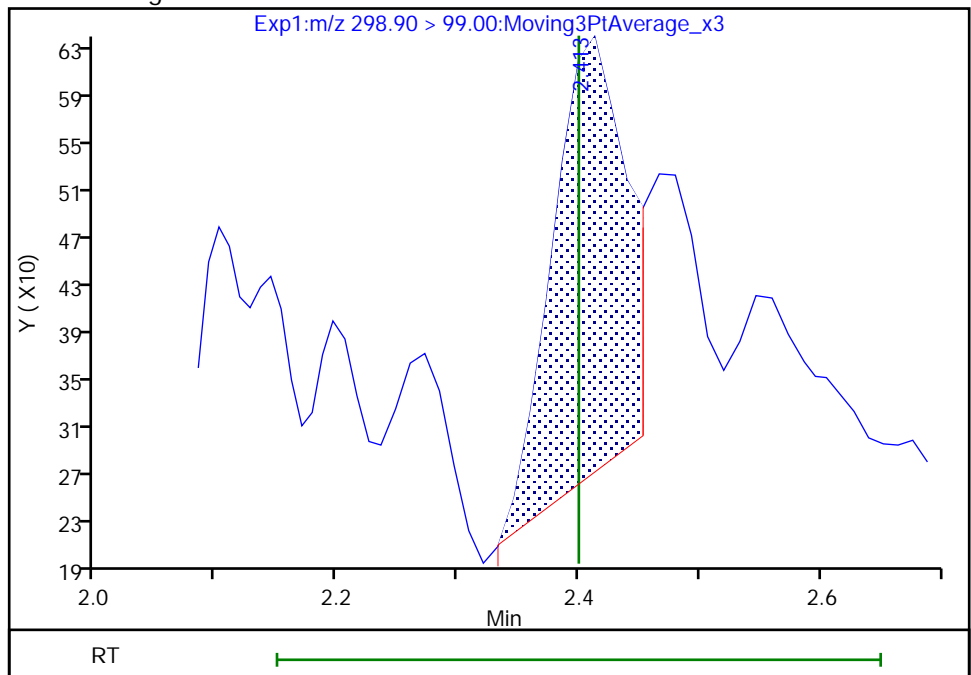
RT: 2.41
Area: 889
Amount: 0.000547
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 1524
Amount: 0.000946
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 14:22:49

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

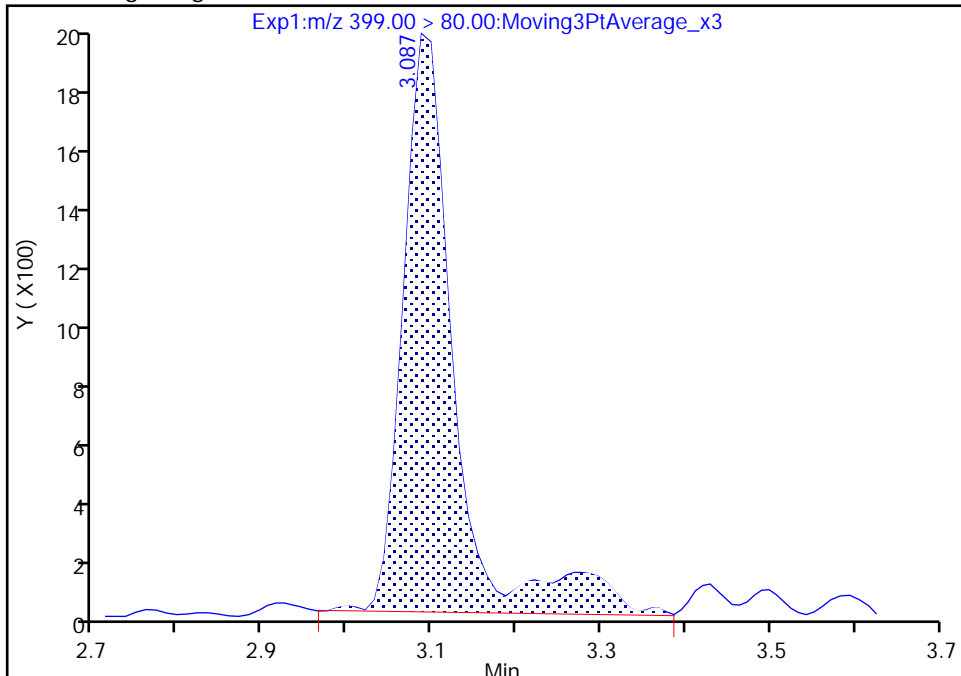
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A04.d
Injection Date: 08-Dec-2022 15:13:03 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

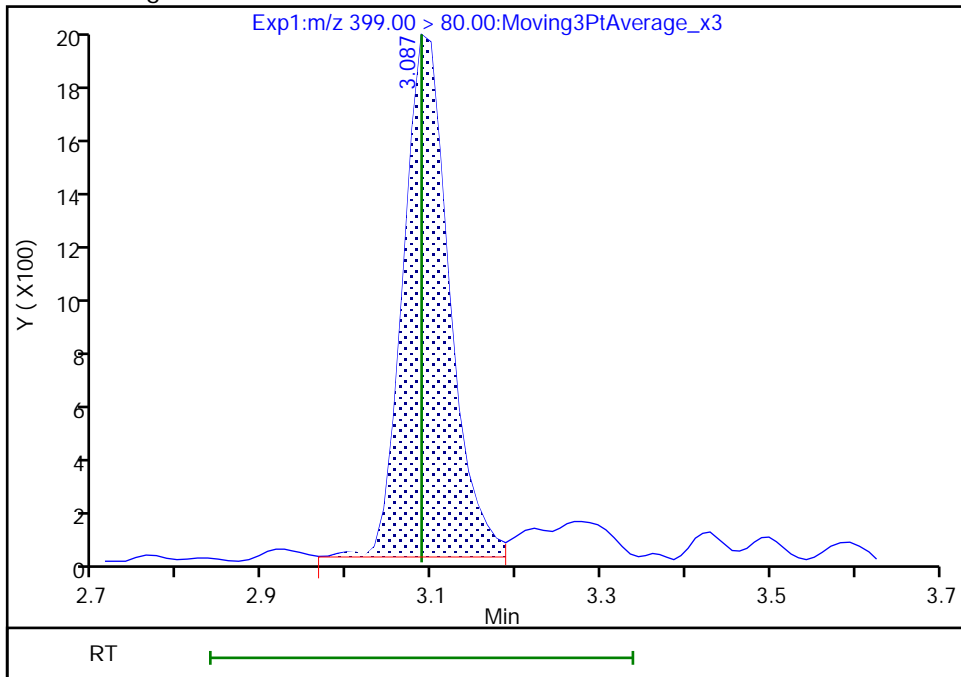
RT: 3.09
Area: 8308
Amount: 0.005157
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 7314
Amount: 0.004540
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:23:33
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

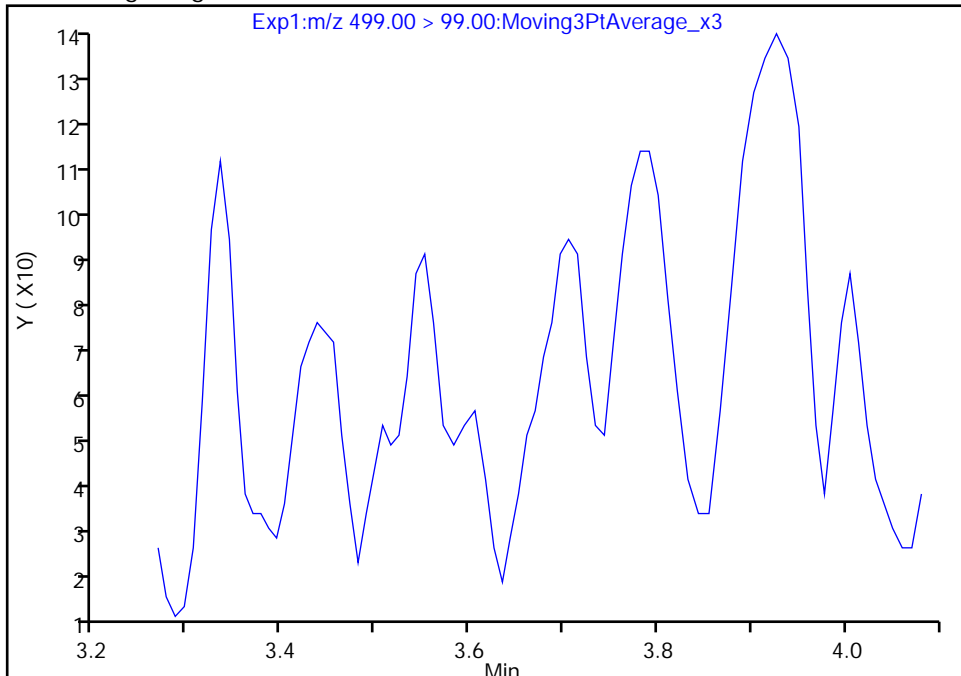
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A04.d
Injection Date: 08-Dec-2022 15:13:03 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

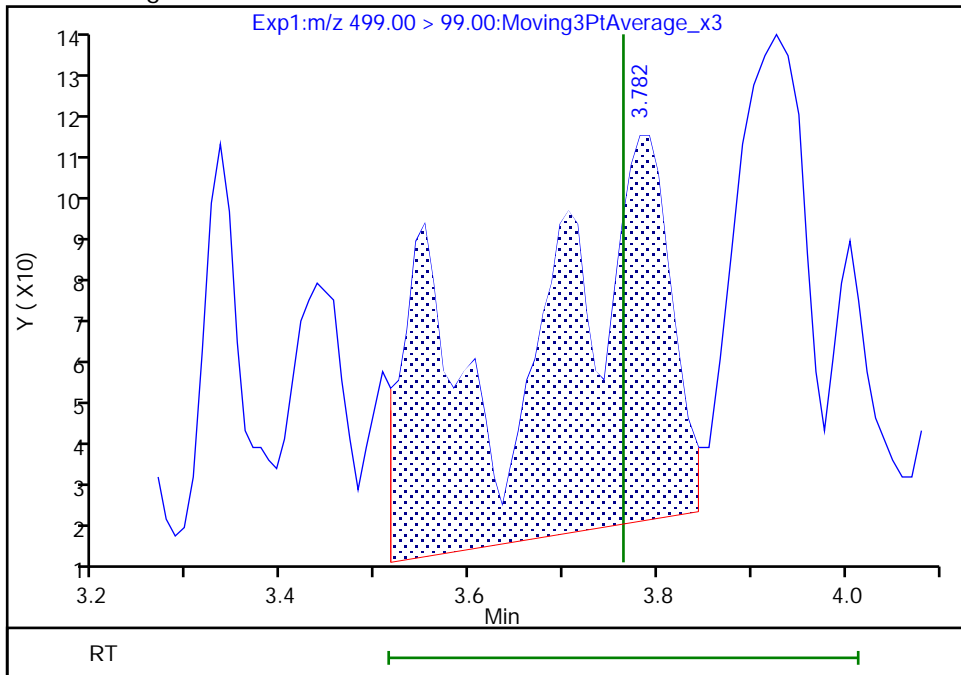
Not Detected
Expected RT: 3.76

Processing Integration Results



Manual Integration Results

RT: 3.78
Area: 1005
Amount: 0.001994
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 14:26:10
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

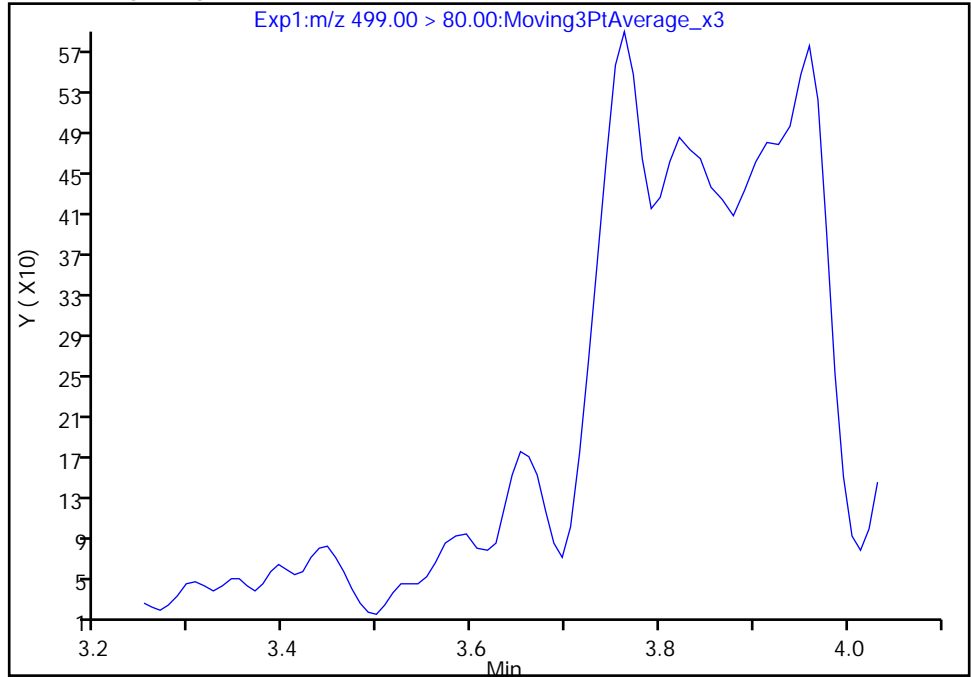
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A04.d
Injection Date: 08-Dec-2022 15:13:03 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

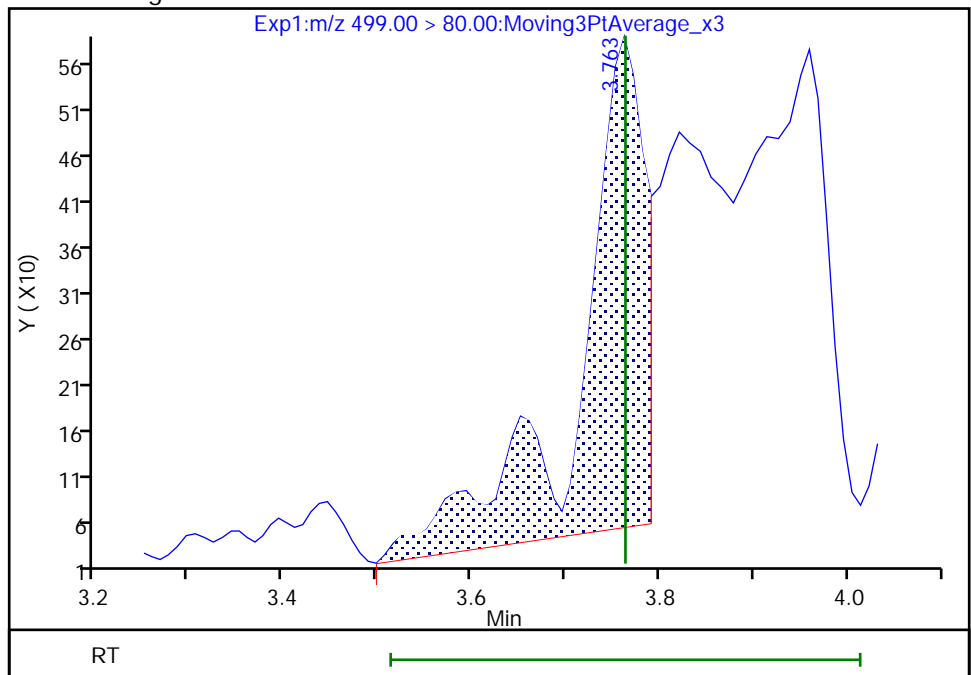
Not Detected
Expected RT: 3.76

Processing Integration Results



Manual Integration Results

RT: 3.76
Area: 2536
Amount: 0.001994
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 14:26:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

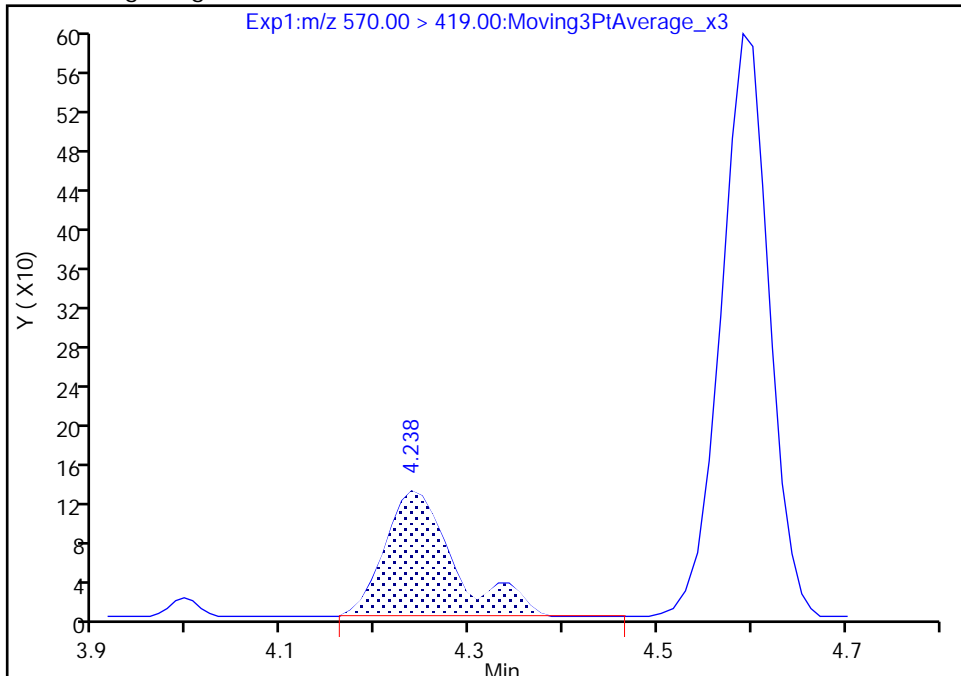
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Injection Date: 08-Dec-2022 15:13:03 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

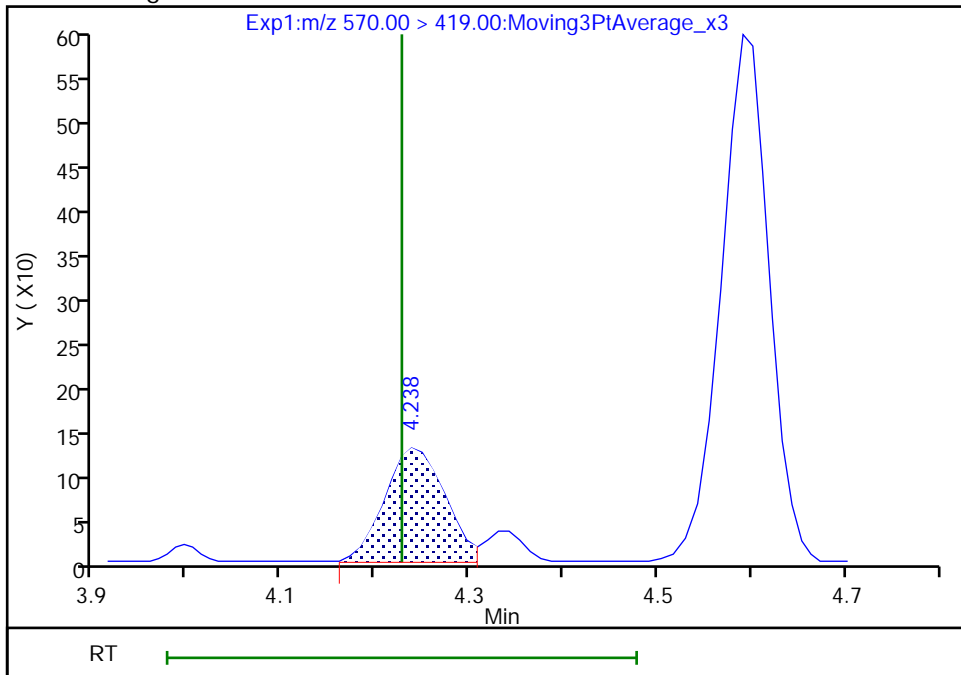
RT: 4.24
Area: 658
Amount: -0.009840
Amount Units: ng/ml

Processing Integration Results



RT: 4.24
Area: 564
Amount: -0.010095
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:27:18
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

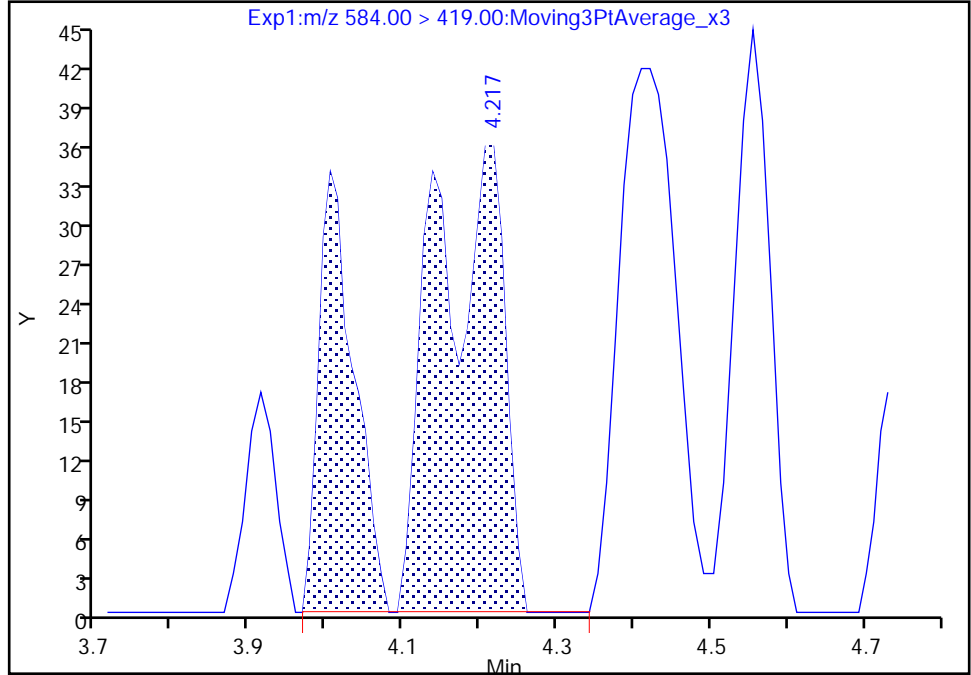
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A04.d
Injection Date: 08-Dec-2022 15:13:03 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

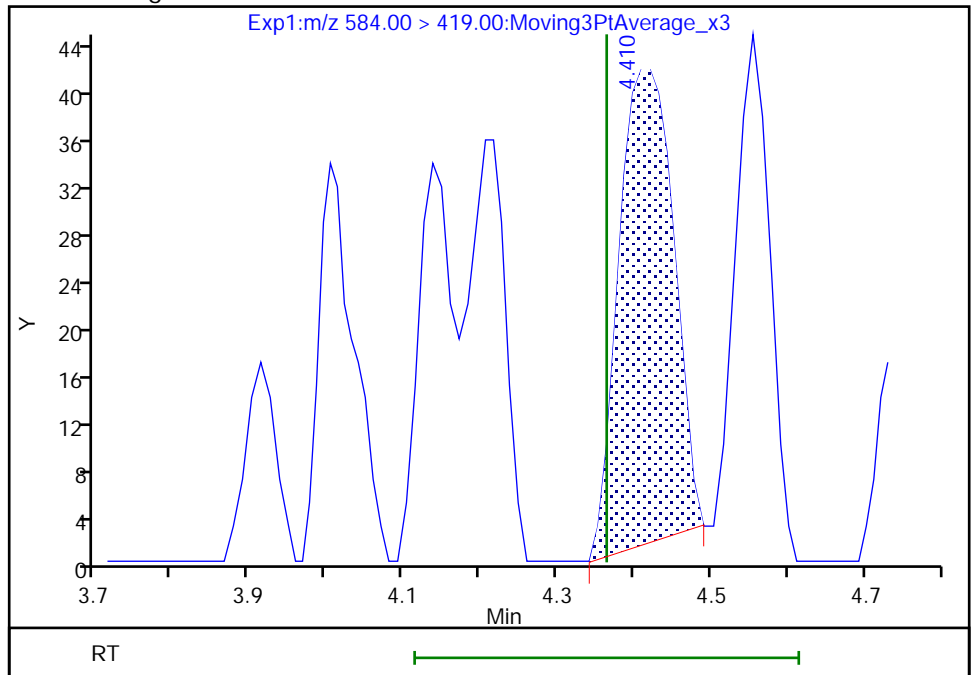
RT: 4.22
Area: 327
Amount: 0.000820
Amount Units: ng/ml

Processing Integration Results



RT: 4.41
Area: 200
Amount: 0.000501
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:27:37
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

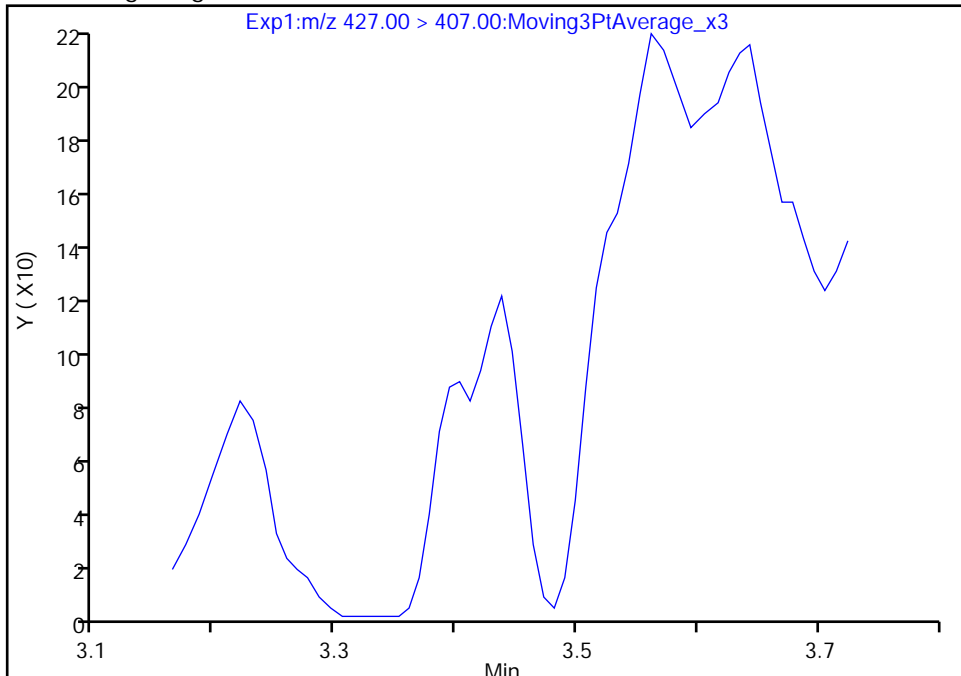
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A04.d
Injection Date: 08-Dec-2022 15:13:03 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

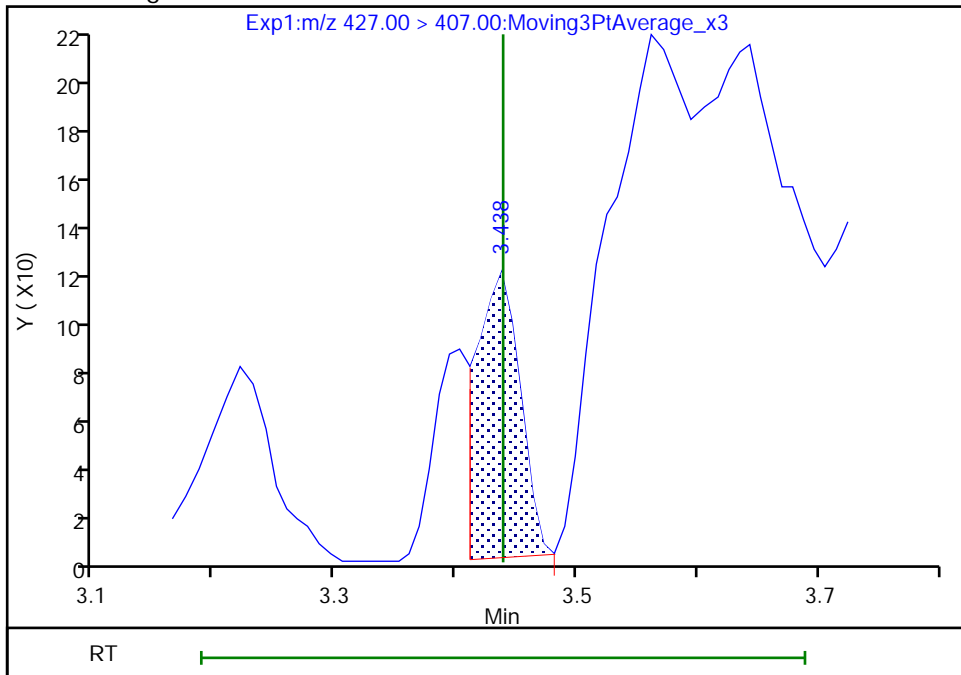
Not Detected
Expected RT: 3.44

Processing Integration Results



Manual Integration Results

RT: 3.44
Area: 274
Amount: -0.011362
Amount Units: ng/ml



Reviewer: nampitakw, 09-Dec-2022 14:24:09
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

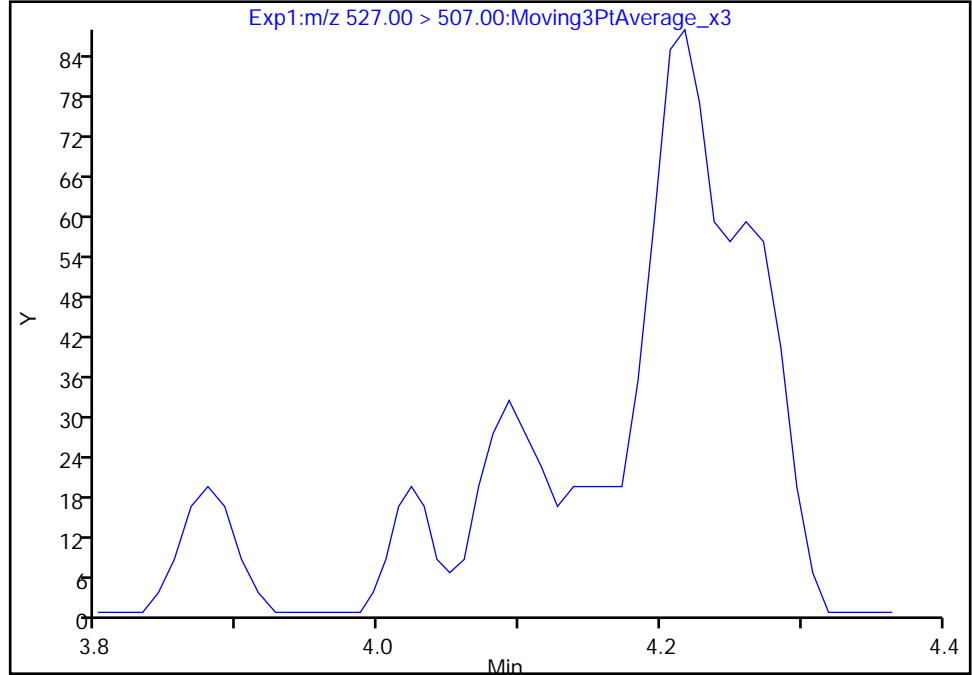
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A04.d
Injection Date: 08-Dec-2022 15:13:03 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

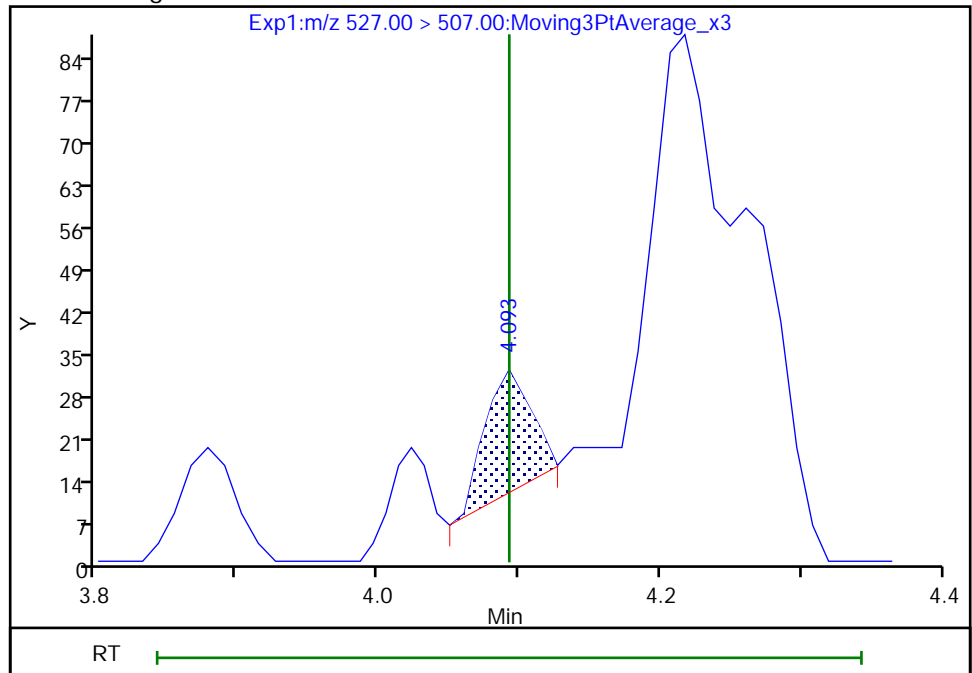
Signal: 1

Not Detected
Expected RT: 4.09

Processing Integration Results



Manual Integration Results



RT: 4.09
Area: 46
Amount: 0.000092
Amount Units: ng/ml

Reviewer: nampitakw, 09-Dec-2022 14:27:03
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

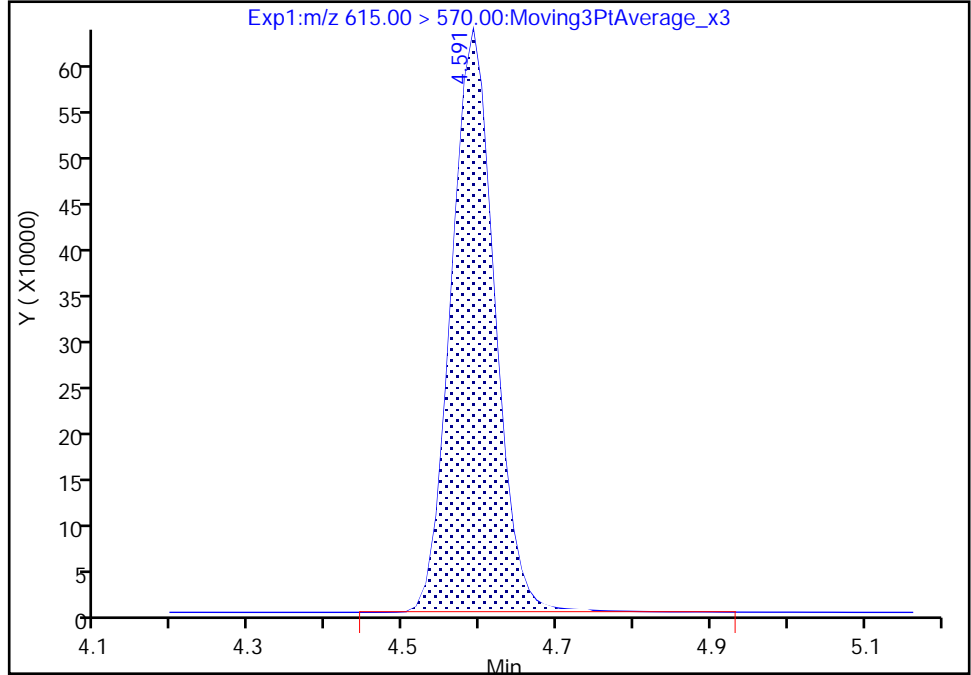
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A04.d
Injection Date: 08-Dec-2022 15:13:03 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 36 13C2 PFD_oA, CAS: STL00998
Signal: 1

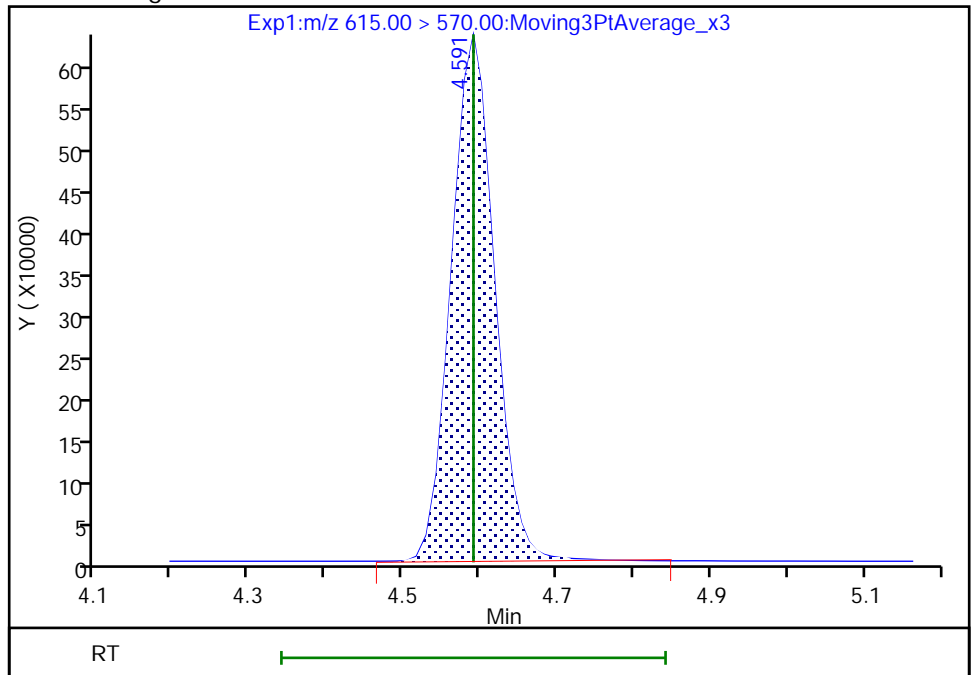
RT: 4.59
Area: 2491651
Amount: 1.316048
Amount Units: ng/ml

Processing Integration Results



RT: 4.59
Area: 2486186
Amount: 1.313161
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:21:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

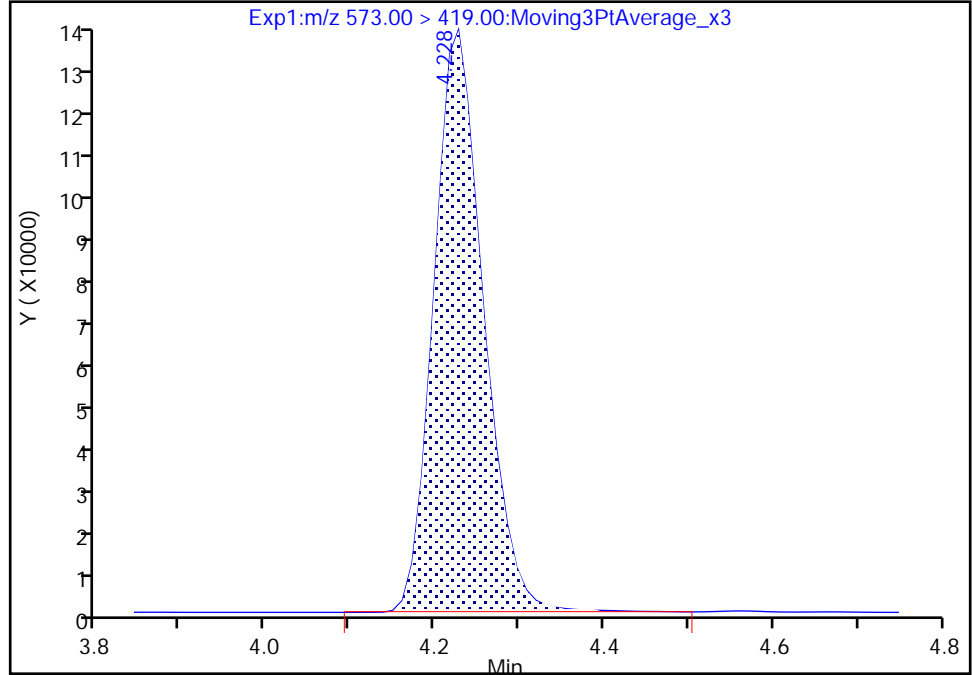
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A04.d
Injection Date: 08-Dec-2022 15:13:03 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118
Signal: 1

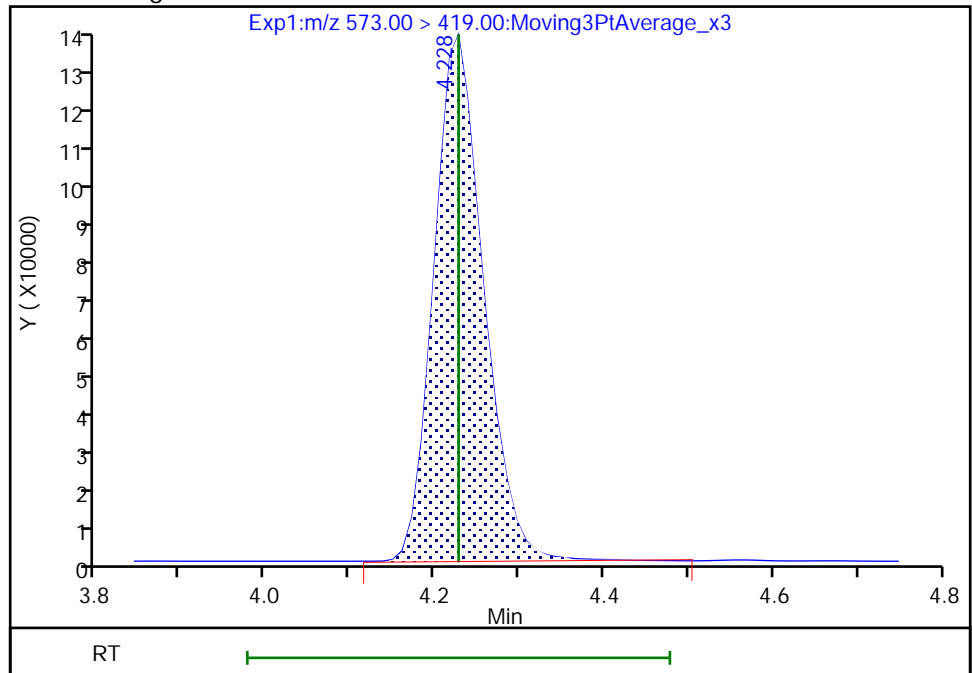
RT: 4.23
Area: 536063
Amount: 1.297341
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 535124
Amount: 1.295069
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:21:10
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

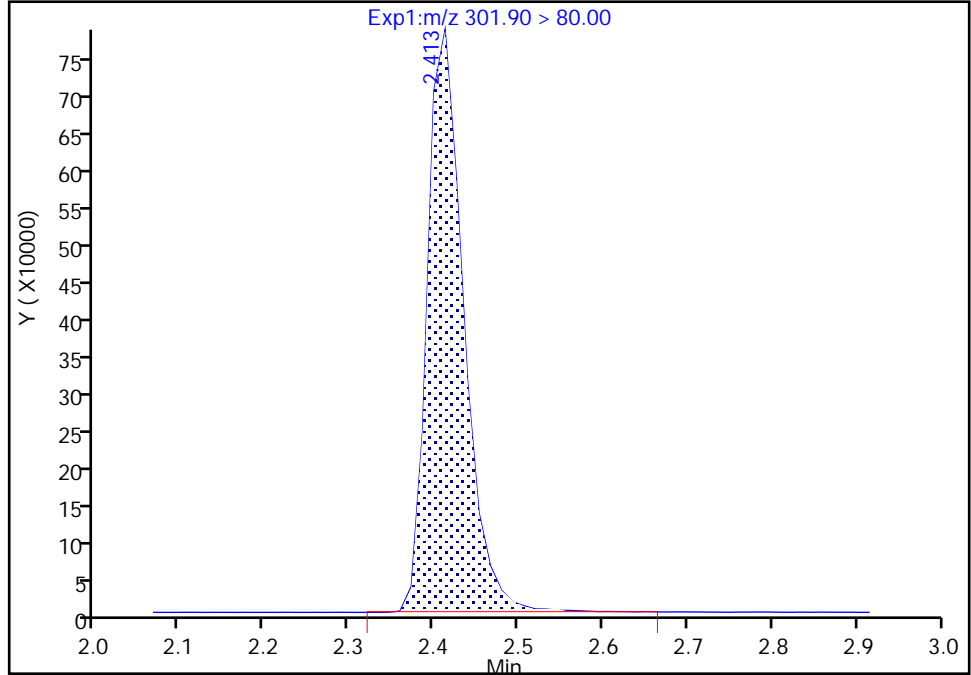
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A04.d
Injection Date: 08-Dec-2022 15:13:03 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 47 13C3 PFBS, CAS: STL02337
Signal: 1

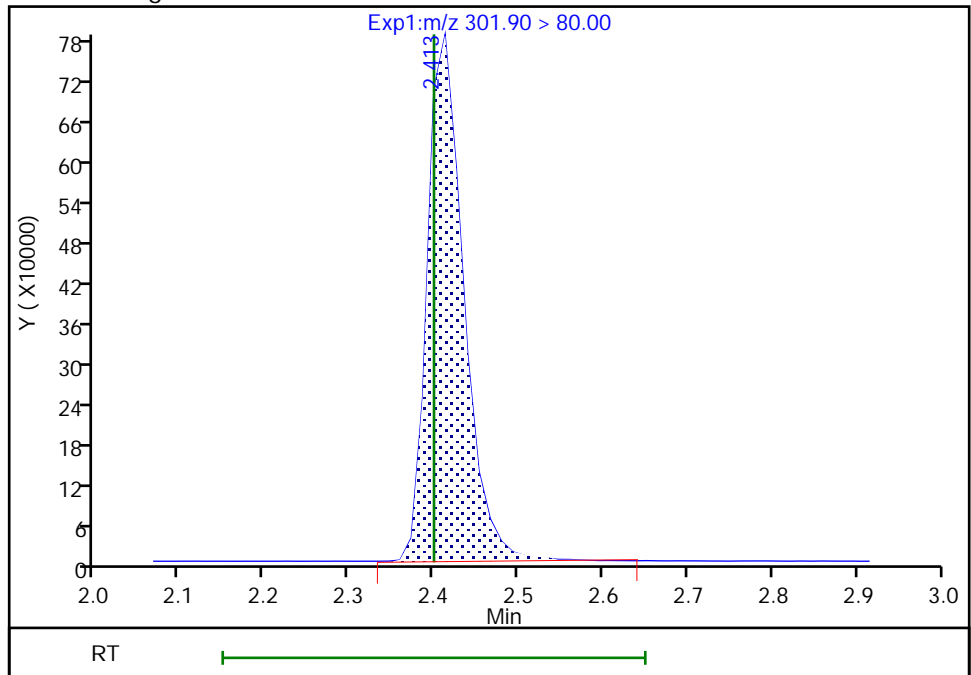
RT: 2.41
Area: 2347703
Amount: 1.277521
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 2345913
Amount: 1.276547
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:20:42
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

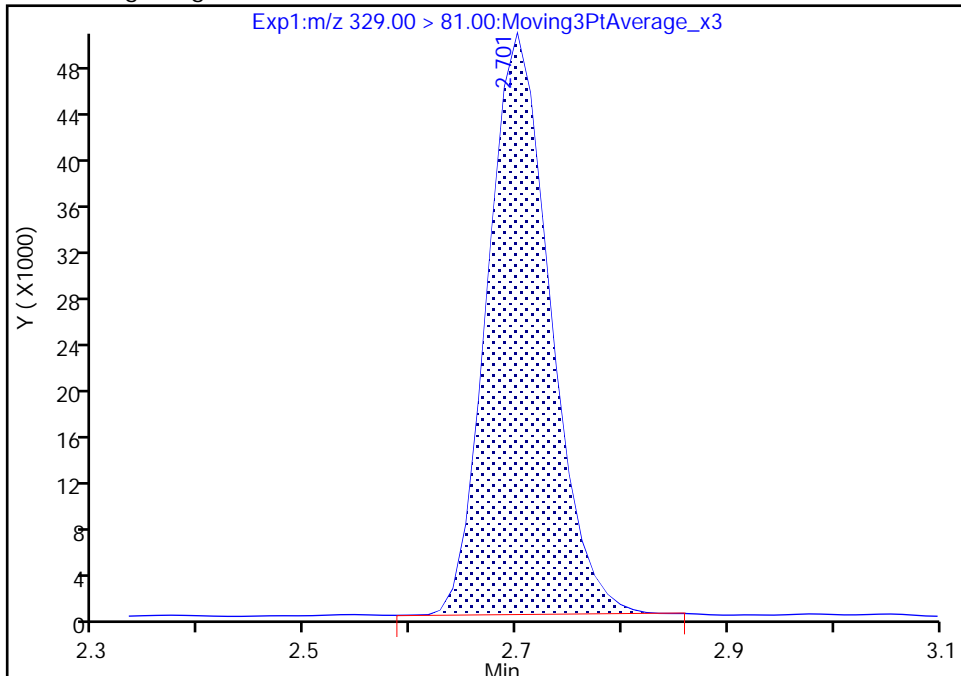
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A04.d
Injection Date: 08-Dec-2022 15:13:03 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 60 M2-4:2 FTS, CAS: STL02395

Signal: 1

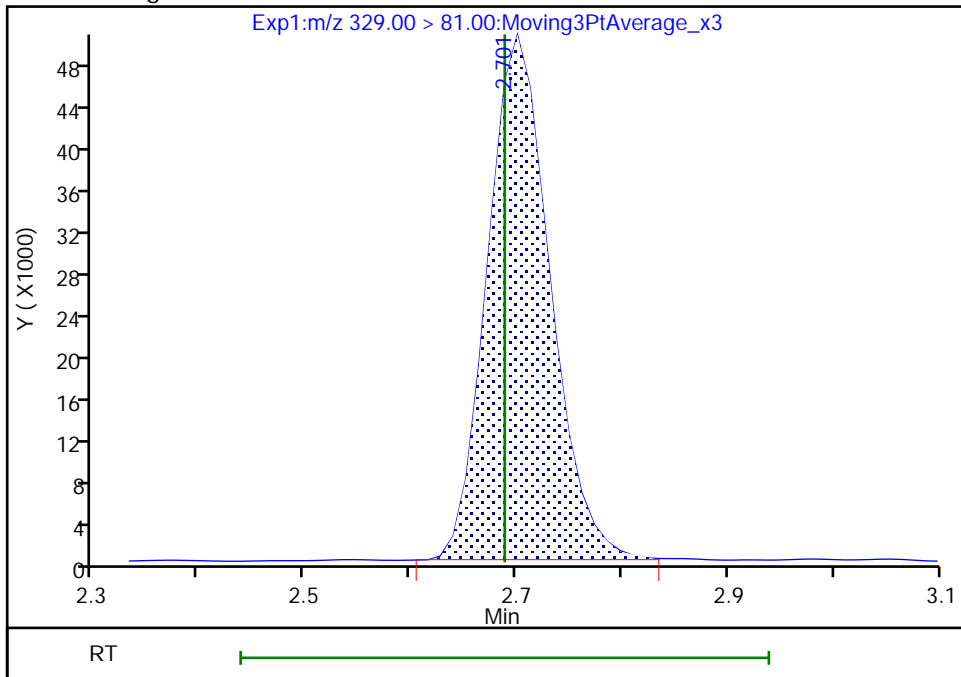
RT: 2.70
Area: 206768
Amount: 1.273333
Amount Units: ng/ml

Processing Integration Results



RT: 2.70
Area: 206481
Amount: 1.271565
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:20:52
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: ICB 200-185958/11
 Matrix: Solid Lab File ID: PA221118ICAL11.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 11/18/2022 15:18
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: _____ % Solids: _____ GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 185958 Units: ng/mL

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.13	U	0.13	0.030
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.050	U	0.050	0.017
307-24-4	Perfluorohexanoic acid (PFHxA)	0.050	U	0.050	0.016
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.050	U	0.050	0.014
335-67-1	Perfluorooctanoic acid (PFOA)	0.050	U	0.050	0.019
375-95-1	Perfluorononanoic acid (PFNA)	0.050	U	0.050	0.012
335-76-2	Perfluorodecanoic acid (PFDA)	0.050	U	0.050	0.012
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.050	U	0.050	0.014
307-55-1	Perfluorododecanoic acid (PFDoA)	0.050	U	0.050	0.012
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.050	U	0.050	0.012
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.050	U	0.050	0.016
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.050	U	0.050	0.016
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.050	U	0.050	0.014
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.050	U	0.050	0.010
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.050	U	0.050	0.021
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.050	U	0.050	0.010
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.050	U	0.050	0.023
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.13	U	0.13	0.048
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.13	U	0.13	0.040
27619-97-2	6:2 FTS	0.13	U	0.13	0.032
39108-34-4	8:2 FTS	0.050	U	0.050	0.020

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: ICB 200-185958/11
 Matrix: Solid Lab File ID: PA221118ICAL11.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 11/18/2022 15:18
 Con. Extract Vol.: 1(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: _____ % Solids: _____ GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 185958 Units: ng/mL

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	108		50-150
STL01892	13C4 PFHpA	108		50-150
STL00990	13C4 PFOA	105		50-150
STL00991	13C4 PFOS	111		50-150
STL00995	13C5 PFNA	107		50-150
STL00992	13C4 PFBA	106		50-150
STL00993	13C2 PFHxA	109		50-150
STL00996	13C2 PFDA	105		50-150
STL00997	13C2 PFUnA	107		50-150
STL00998	13C2 PFDoA	107		50-150
STL01056	13C8 FOSA	107		50-150
STL01893	13C5 PFPeA	109		50-150
STL02116	13C2 PFTeDA	107		50-150
STL02118	d3-NMeFOSAA	108		50-150
STL02117	d5-NEtFOSAA	107		50-150
STL02279	M2-6:2 FTS	114		50-150
STL02280	M2-8:2 FTS	108		50-150
STL02337	13C3 PFBS	106		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
 Lims ID: ICB
 Client ID:
 Sample Type: ICB
 Inject. Date: 18-Nov-2022 15:18:56 ALS Bottle#: 8 Worklist Smp#: 11
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: ICB
 Misc. Info.: 200-0053396-011 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 21-Nov-2022 08:33:11 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1621

First Level Reviewer: Z1IP Date: 21-Nov-2022 08:27:16

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA	217.00 > 172.00	2.076	2.076	0.0	0.602	2690789	1.32	106	7033	M
2 Perfluorobutanoic acid	212.90 > 169.00	2.093	2.076	0.017	1.008	10011	0.004510		1.5	M
D 3 13C5 PFPeA	267.90 > 223.00	2.386	2.387	-0.001	0.692	2109113	1.36	109	4718	
D 47 13C3 PFBS	301.90 > 80.00	2.400	2.400	0.0	0.696	2084598	1.24	106	323076	
5 Perfluorobutanesulfonic acid	298.90 > 80.00	2.400	2.400	0.0	1.000	4101	0.001999 Target=2.09		7.4	M
	298.90 > 99.00	2.400	2.400	0.0	1.000	1875	2.19(1.04-3.13)		1.5	M
61 1H,1H,2H,2H-perfluorohexanesulfo	327.00 > 307.00	2.689	2.689	0.0	1.000	1019	0.002019		19.6	M
D 60 M2-4:2 FTS	329.00 > 81.00	2.689	2.689	0.0	0.780	191220	1.28	110	184	
D 7 13C2 PFHxA	315.00 > 270.00	2.725	2.725	0.0	0.790	2220169	1.37	109	4126	
67 Perfluoro(2-propoxypropanoic) ac	285.00 > 169.00	2.835	2.835	0.0	1.000	736	0.002396		6.3	
D 64 13C3 HFPO-DA	287.00 > 169.00	2.835	2.835	0.0	0.822	363682	1.27	101	2231	
D 11 18O2 PFHxS	403.00 > 84.00	3.088	3.088	0.0	0.896	1571887	1.28	108	5837	
8 Perfluorohexanesulfonic acid	399.00 > 80.00	3.088	3.088	0.0	1.000	7928	0.005284 Target=3.66		7.2	M
	399.00 > 99.00	3.088	3.088	0.0	1.000	2543	3.12(1.83-5.49)		2.9	M
D 9 13C4 PFHpA	367.00 > 322.00	3.088	3.099	-0.011	0.896	2249421	1.35	108	5872	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.088	3.099	-0.011	1.000	5399	0.002756	Target=3.97		1.3	
363.00 > 169.00	3.099	3.099	0.0	1.004	1444		3.74(1.98-5.95)		4.1	
77 DONA										
377.00 > 251.00	3.132	3.132	0.0	0.832	7131	0.001403	Target=3.16		10.3	
377.00 > 85.00	3.132	3.132	0.0	0.832	2232		3.19(1.58-4.73)		4.5	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.439	3.439	0.0	0.997	278131	1.35		114	814	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.447	3.439	0.008	1.003	978	-0.009896			6.1	
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.430	3.439	-0.009	0.911	1731	0.001343	Target=5.14		7.5	M
449.00 > 99.00	3.430	3.439	-0.009	0.911	631		2.74(2.57-7.72)		4.2	M
D 14 13C4 PFOA										
417.00 > 372.00	3.447	3.448	-0.001	1.000	2473585	1.32		105	5945	
* 62 13C2 PFOA										
415.00 > 370.00	3.447	3.448	-0.001		2270634	1.25			5212	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.465	3.448	0.017	1.005	5314	0.002512	Target=2.79		0.5	M
413.00 > 169.00	3.447	3.448	-0.001	1.000	2152		2.47(1.40-4.19)		3.8	M
D 18 13C4 PFOS										
503.00 > 80.00	3.764	3.764	0.0	1.092	1102903	1.32		111	5728	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.773	3.764	0.009	1.003	6863	0.006115	Target=5.11		1.4	RM
499.00 > 99.00	3.754	3.764	-0.010	0.997	740		9.27(2.55-7.66)		1.0	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.783	3.783	0.0	1.000	4415	0.002181	Target=8.55		1.1	RM
463.00 > 169.00	3.783	3.783	0.0	1.000	175		25.23(4.28-12.83)		2.8	M
D 19 13C5 PFNA										
468.00 > 423.00	3.783	3.783	0.0	1.097	2439752	1.34		107	5749	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.928	3.928	0.0	1.044	3591	0.001394			17.8	
D 23 13C2 PFDA										
515.00 > 470.00	4.081	4.081	0.0	1.184	2433918	1.31		105	4864	
24 Perfluorodecanoic acid										
513.00 > 469.00	4.081	4.081	0.0	1.000	5828	0.002760	Target=10.26		3.1	M
513.00 > 169.00	4.081	4.081	0.0	1.000	996		5.85(5.13-15.38)		2.5	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.093	4.093	0.0	1.187	326180	1.29		108	1038	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.104	4.093	0.011	1.003	1048	0.002379			14.9	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.150	4.150	0.0	1.000	5835	0.003421			8.3	
D 21 13C8 FOSA										
506.00 > 78.00	4.150	4.150	0.0	1.204	2040818	1.34		107	1565	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.228	4.228	0.0	1.226	512181	1.35		108	3816	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.238	4.228	0.010	1.002	10172	0.0172			25.3	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.331	4.331	0.0	1.151	1686	0.002521	Target=2.51		22.5	
599.00 > 99.00	4.319	4.331	-0.012	1.148	530		3.18(1.25-3.76)		6.3	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.353	4.353	0.0	1.263	2279670	1.34		107	7599	
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.353	4.353	0.0	1.000	6156	0.003349	Target=9.88		3.3	M
563.00 > 169.00	4.353	4.353	0.0	1.000	773		7.96(4.94-14.82)		9.9	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.376	4.365	0.011	1.003	10302	0.0289			44.5	M
D 32 d5-NEtFOSAA										M
589.00 > 419.00	4.365	4.365	0.0	1.266	498484	1.34		107	830	M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.454	4.454	0.0	1.183	7763	0.001955			32.0	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.591	4.591	0.0	1.000	6630	0.003355	Target=7.77		0.6	M
613.00 > 169.00	4.602	4.591	0.011	1.002	984		6.74(3.89-11.66)		8.3	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.591	4.591	0.0	1.332	2331608	1.34		107	5785	
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.612	4.612	0.0	1.127	535	0.002021			6.8	M
75 Perfluorododecanesulfonic acid (M
699.00 > 80.00	4.776	4.776	0.0	1.269	595	0.002102	Target=0.50		9.0	M
699.00 > 99.00	4.767	4.776	-0.009	1.267	1589		0.37(0.25-0.76)		19.8	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.803	4.804	-0.001	1.046	7233	0.003827	Target=5.21		0.6	
663.00 > 169.00	4.813	4.804	0.009	1.048	1768		4.09(2.60-7.81)		11.4	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.002	5.012	-0.010	0.998	1409	0.006412	Target=0.89		12.0	M
713.00 > 219.00	5.002	5.012	-0.010	0.998	1526		0.92(0.44-1.33)		15.6	M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.012	5.012	0.0	1.454	2006376	1.34		107	4997	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.378	5.367	0.011	1.002	35047	0.002340	Target=5.65		3.3	
813.00 > 169.00	5.367	5.367	0.0	1.000	5819		6.02(2.82-8.47)		38.2	
D 44 13C2 PFHxDA										M
815.00 > 770.00	5.367	5.367	0.0	1.557	2453441	1.32		106	2133	M
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.731	5.722	0.009	1.068	14605	0.009035	Target=6.24		1.8	M
913.00 > 169.00	5.722	5.722	0.0	1.066	2239		6.52(3.12-9.36)		27.5	M

[QC Flag Legend](#)

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

[Reagents:](#)

PFAS32NCBLK20_00023

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d

Injection Date: 18-Nov-2022 15:18:56

Instrument ID: LC812

Lims ID: ICB

Client ID:

Operator ID: lc812tech

ALS Bottle#: 8

Worklist Smp#: 11

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

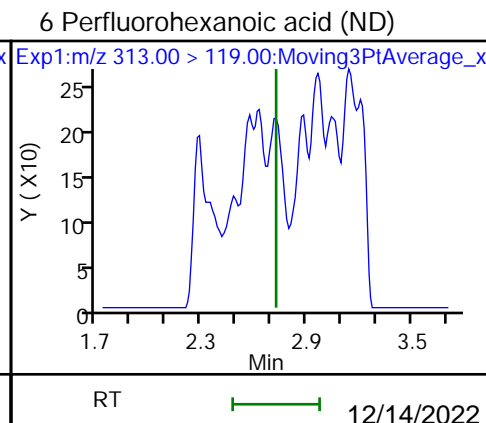
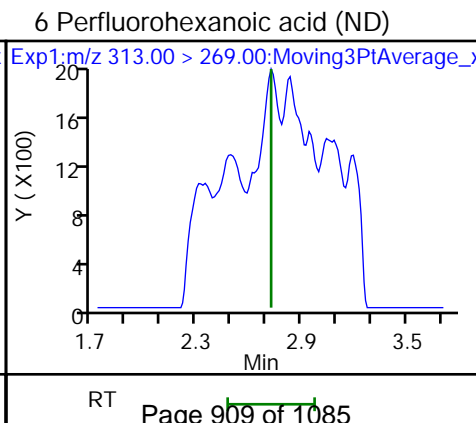
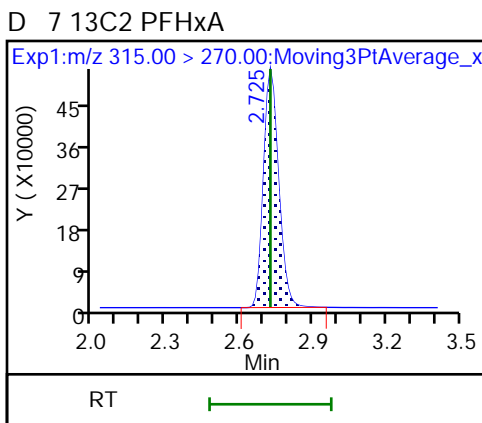
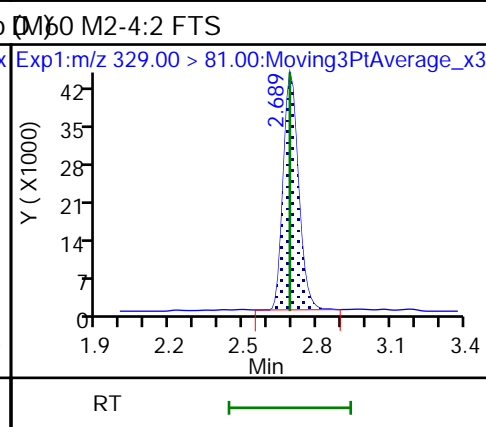
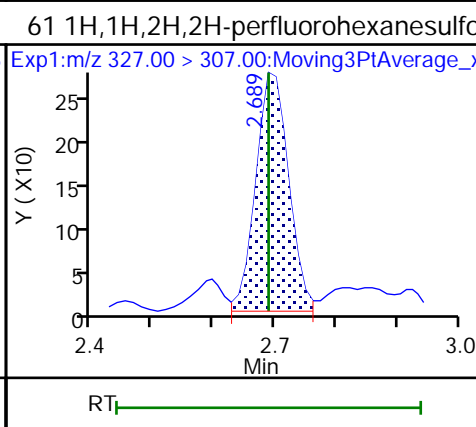
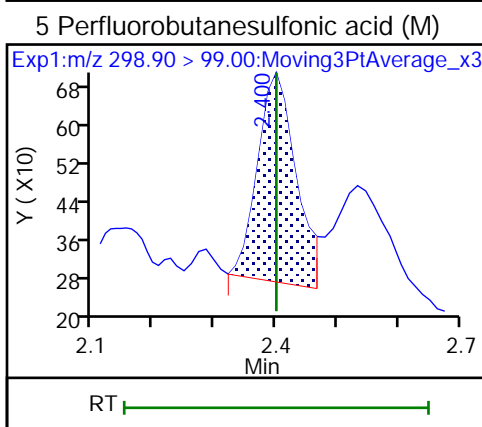
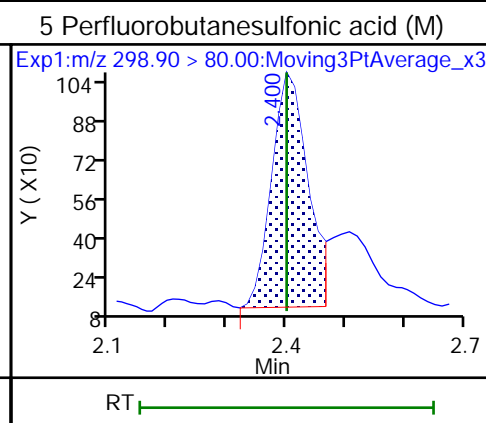
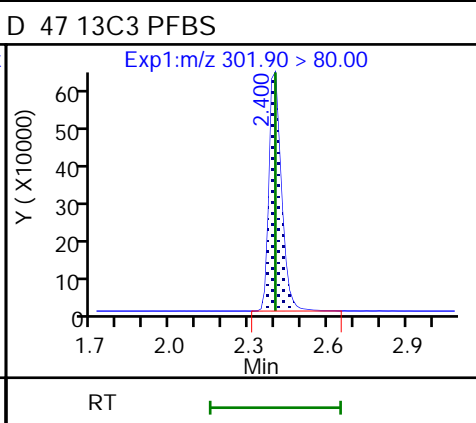
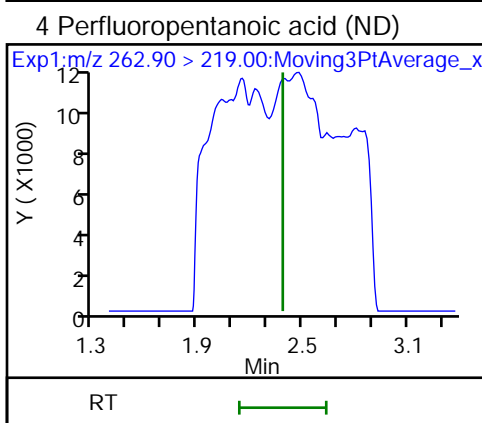
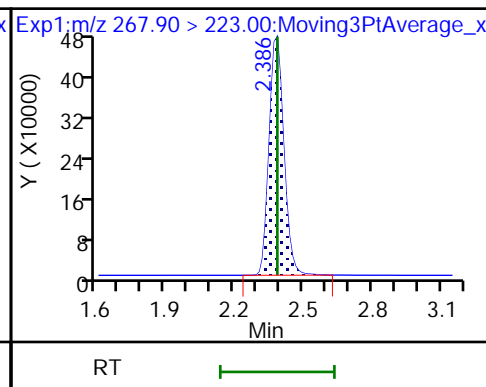
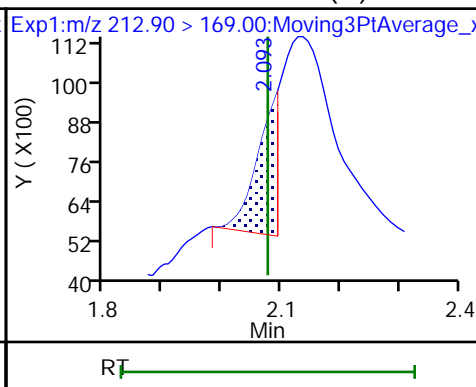
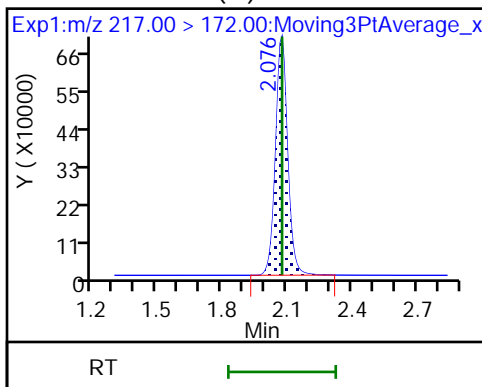
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

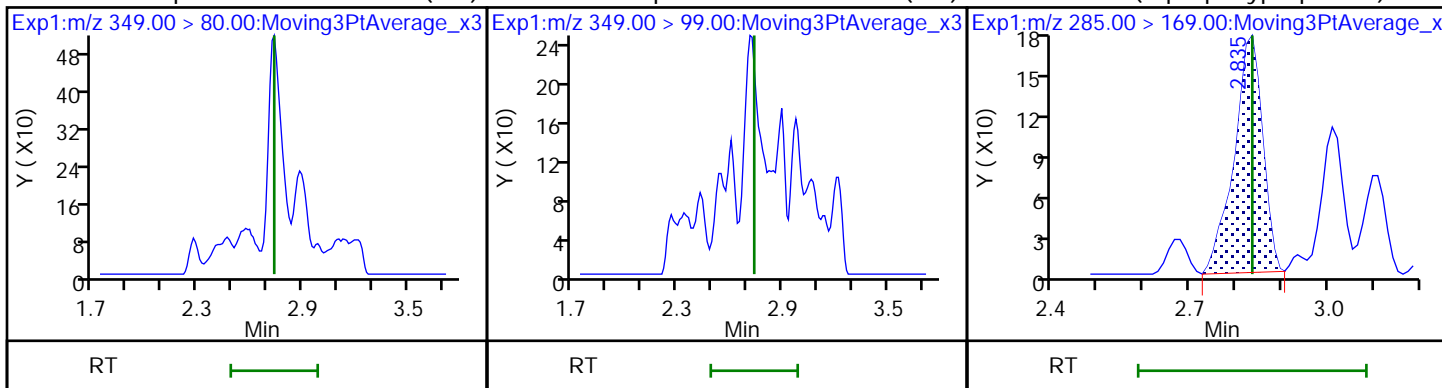
D 1 13C4 PFBA (M)

2 Perfluorobutanoic acid (M)

D 3 13C5 PFPeA



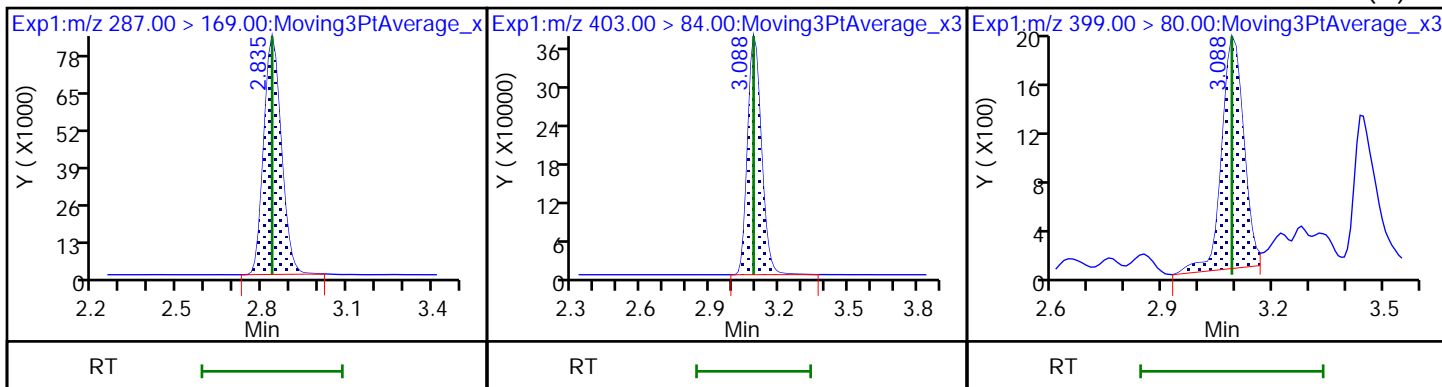
70 Perfluoropentanesulfonic acid (ND) 70 Perfluoropentanesulfonic acid (ND) 67 Perfluoro(2-propoxypropanoic) ac



D 64 13C3 HFPO-DA

D 11 18O2 PFHxS

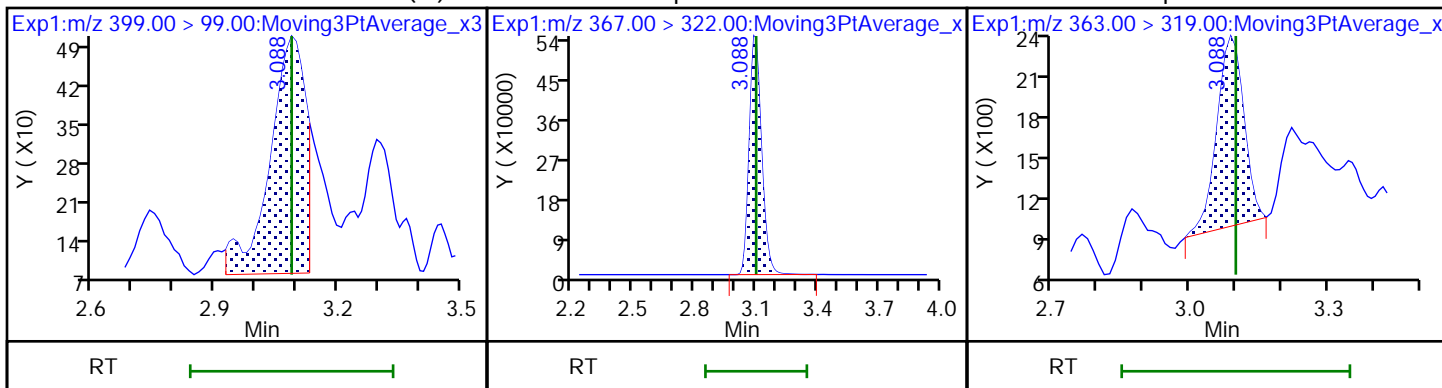
8 Perfluorohexanesulfonic acid (M)



8 Perfluorohexanesulfonic acid (M)

D 9 13C4 PFHpA

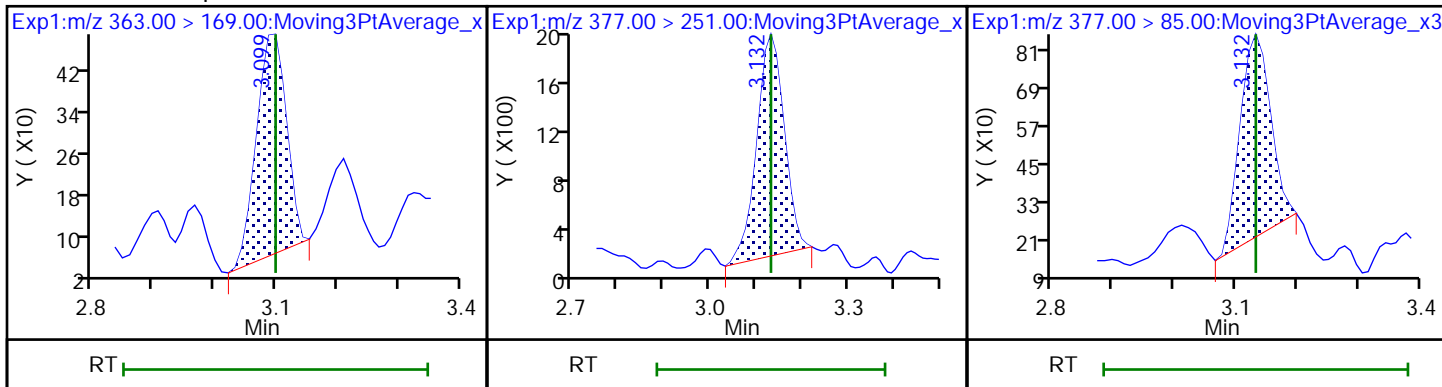
10 Perfluoroheptanoic acid



10 Perfluoroheptanoic acid

77 DONA

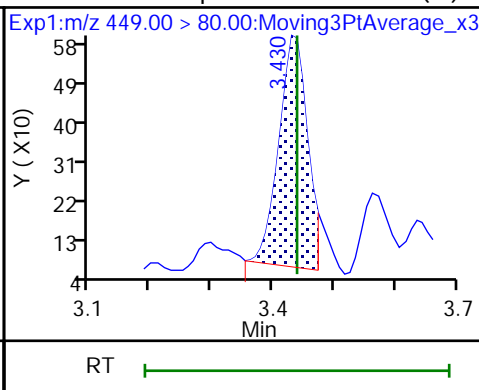
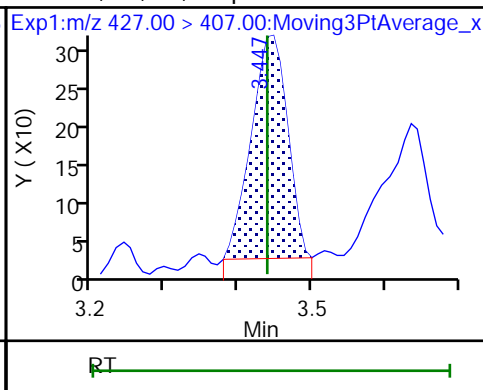
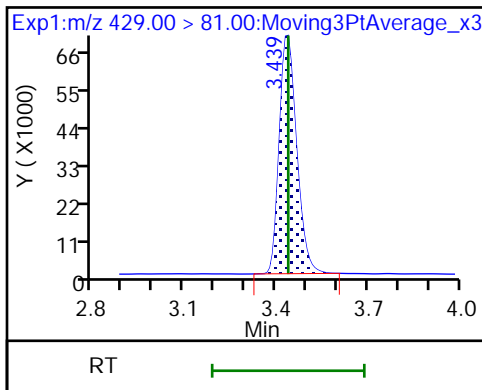
77 DONA



D 12 M2-6:2 FTS

13 1H,1H,2H,2H-perfluorooctanesulfo

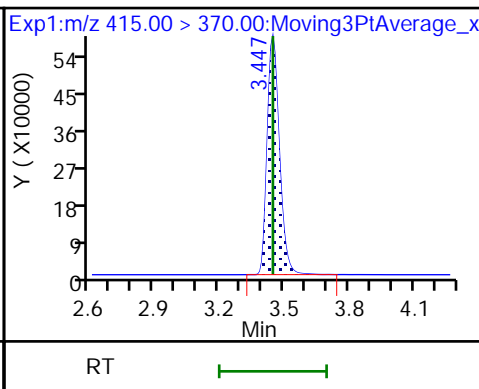
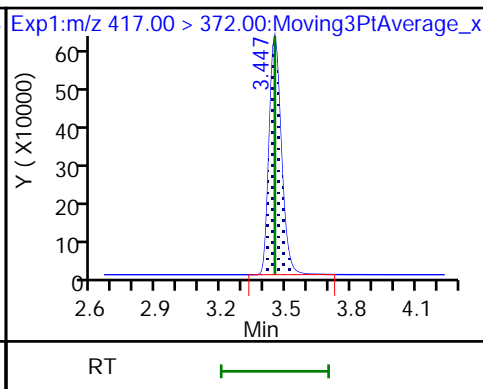
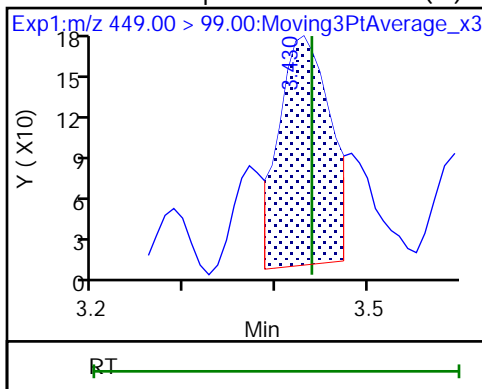
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

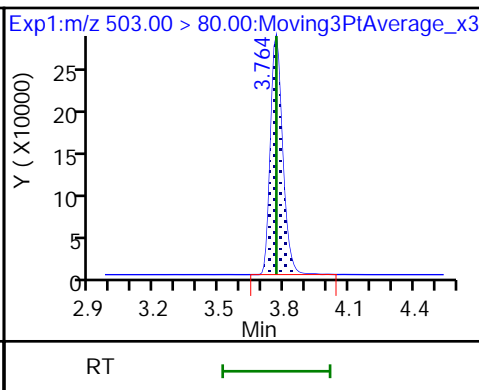
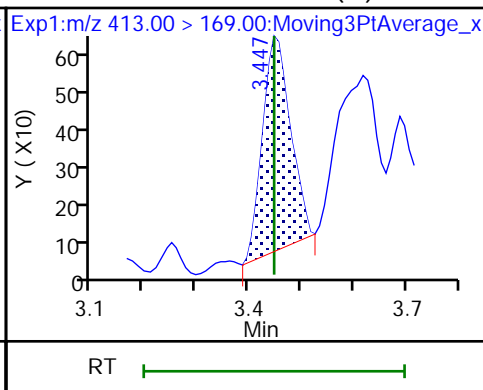
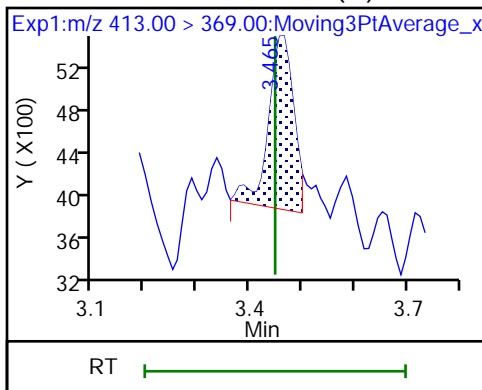
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

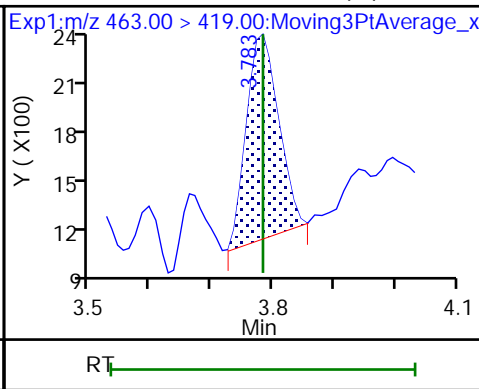
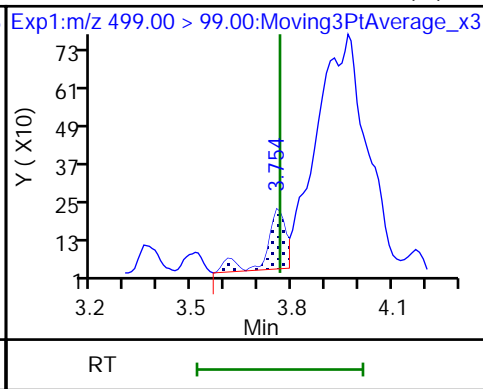
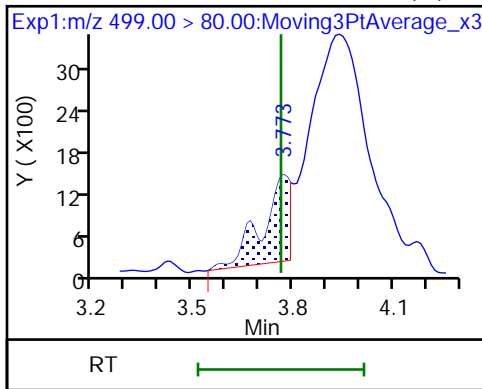
D 18 13C4 PFOS

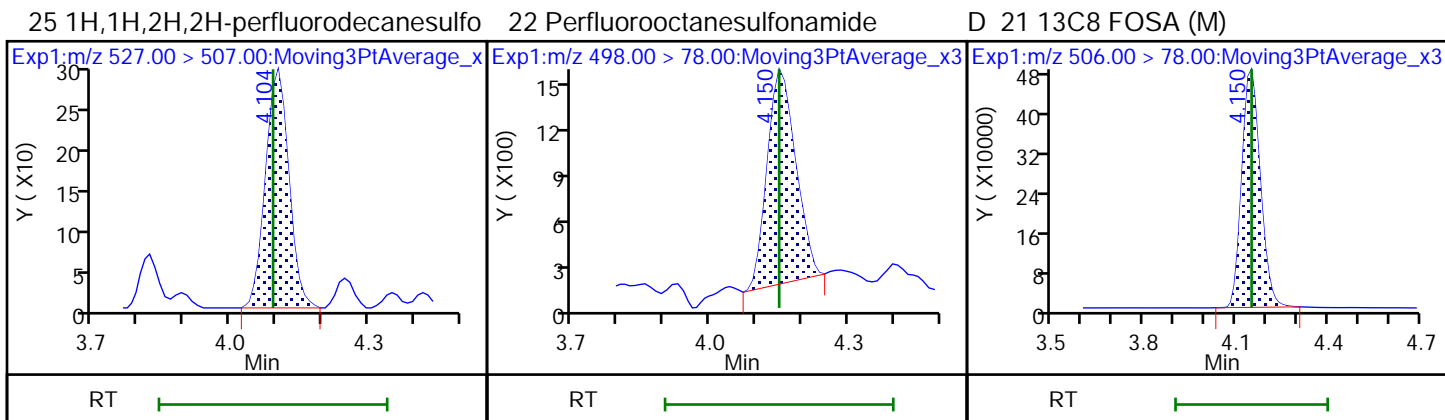
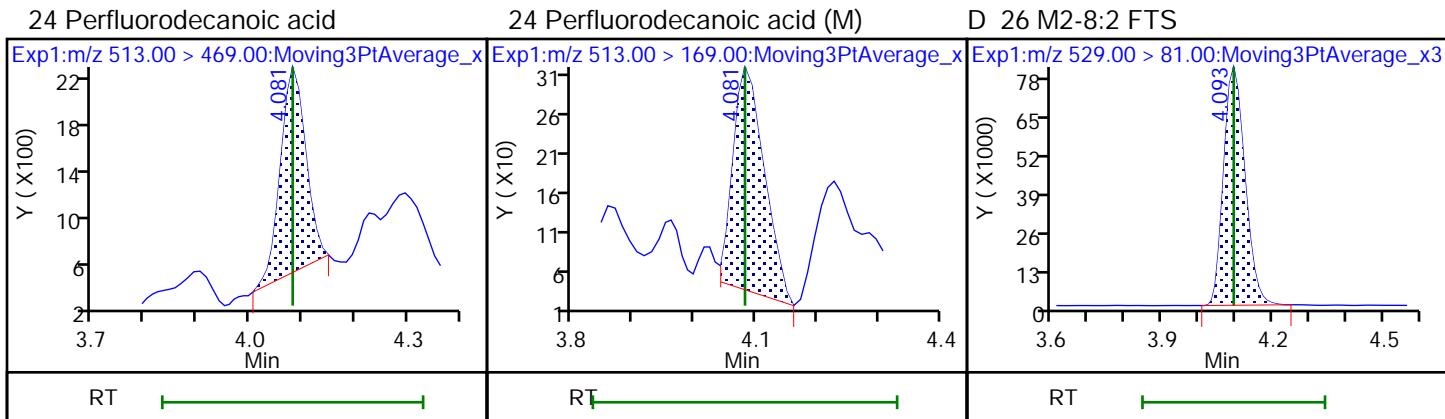
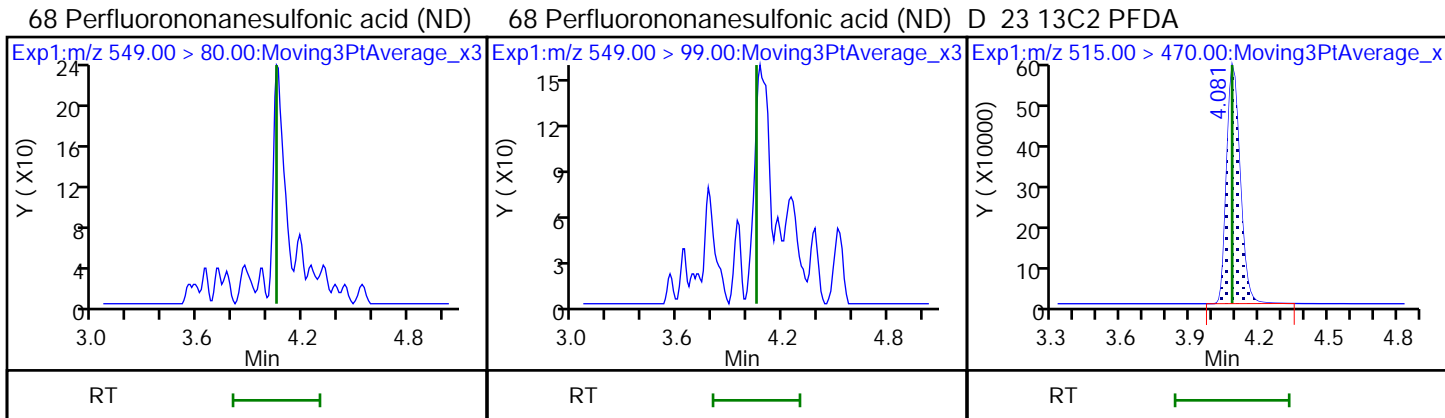
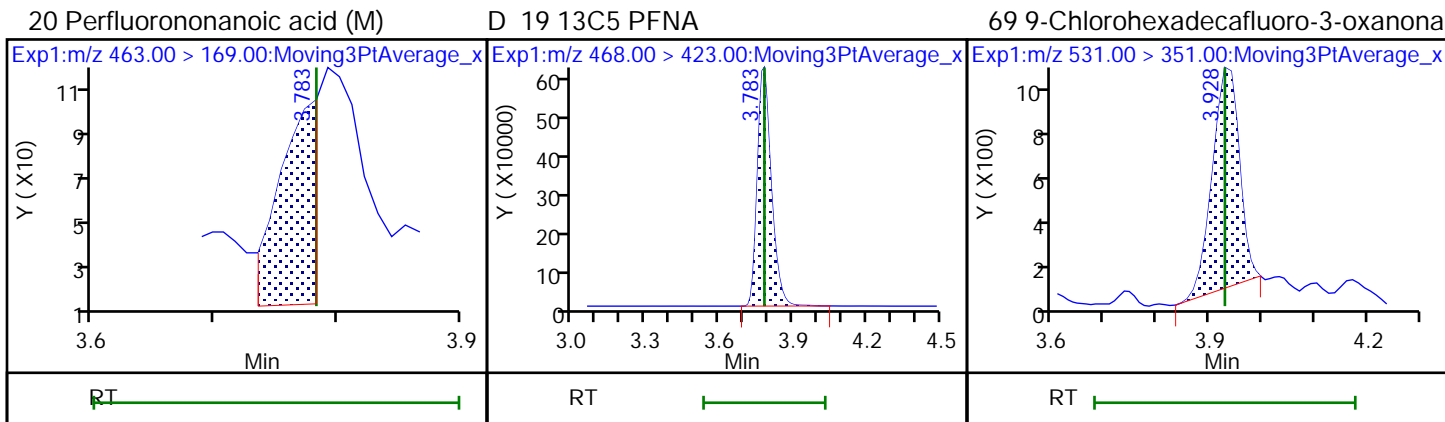


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

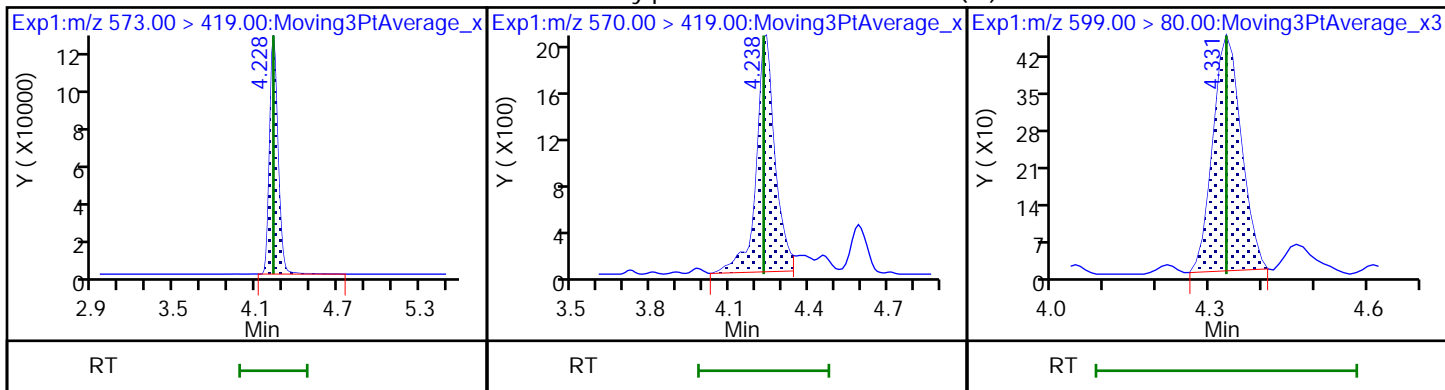
20 Perfluorononanoic acid (M)





D 27 d3-NMeFOSAA

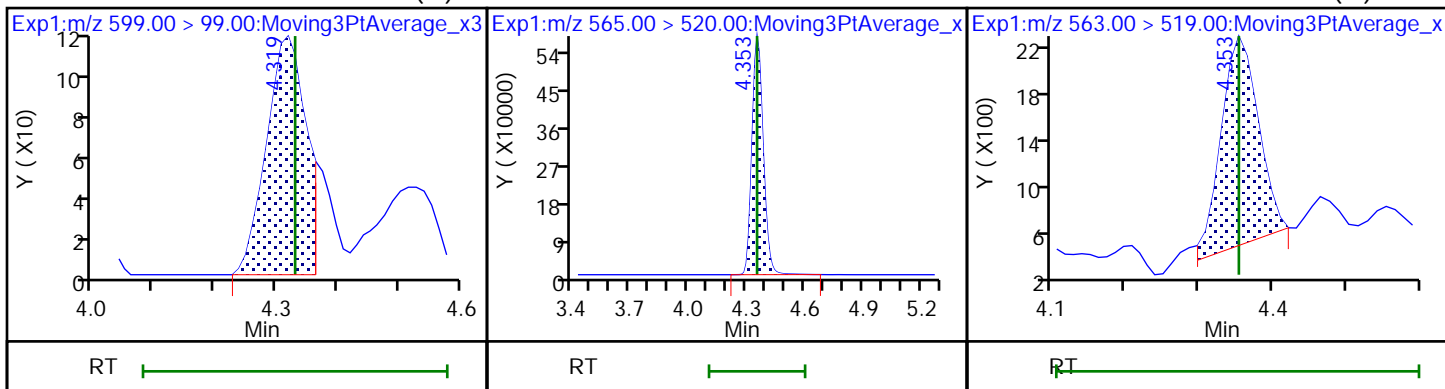
28 N-methylperfluorooctanesulfonami (M) 29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUoA

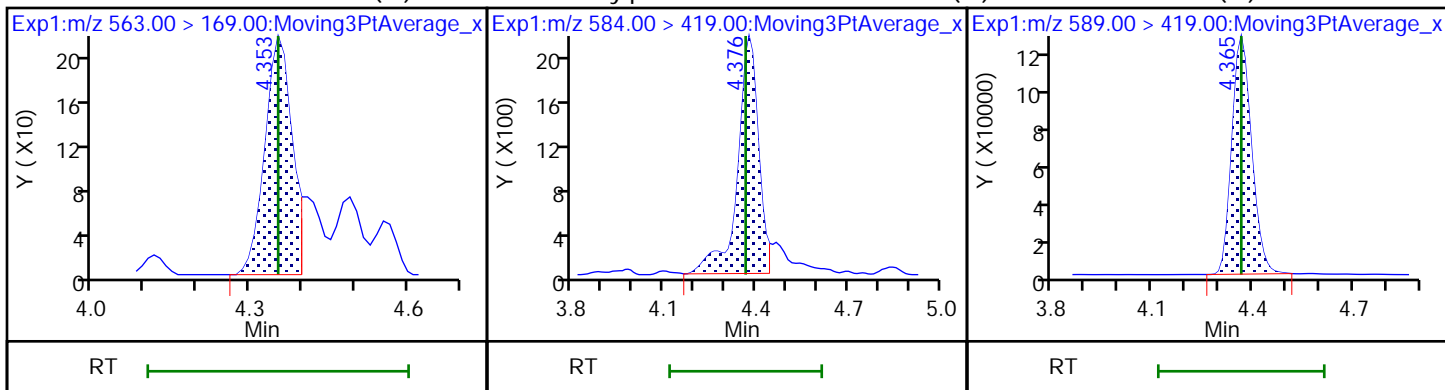
31 Perfluoroundecanoic acid (M)



31 Perfluoroundecanoic acid (M)

33 N-ethylperfluorooctanesulfonamid (N)

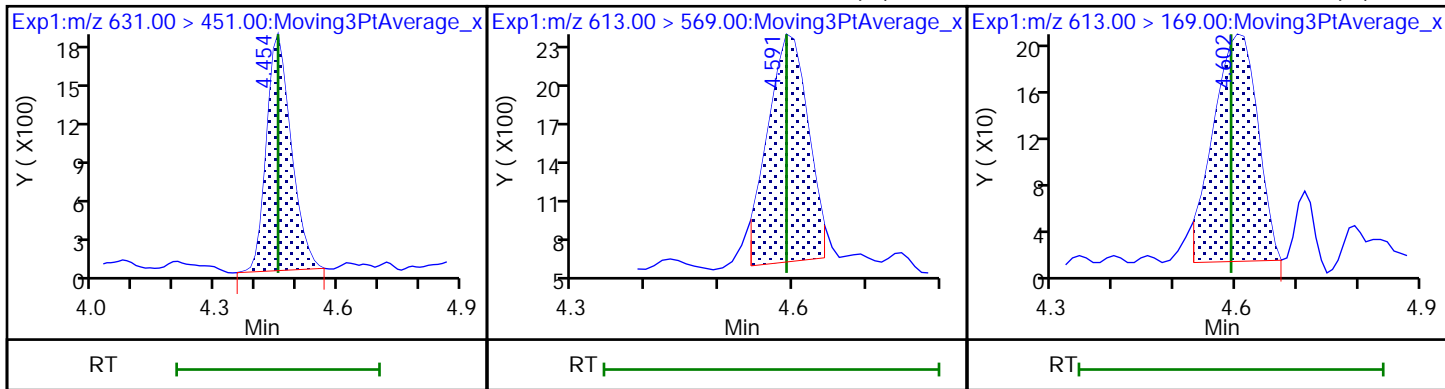
32 d5-NEtFOSAA (M)



66 11-Chloroeicosafuoro-3-oxaundec

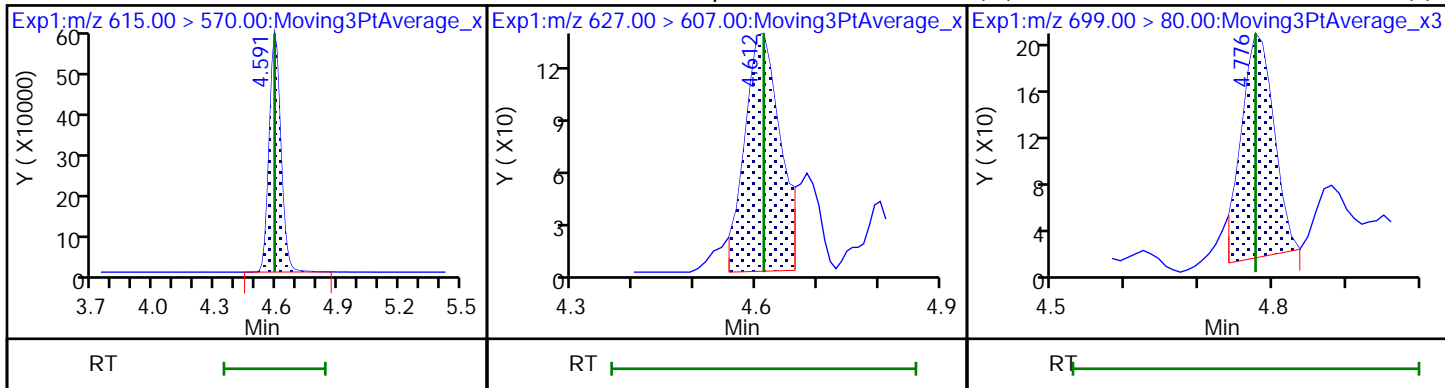
37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid (M)



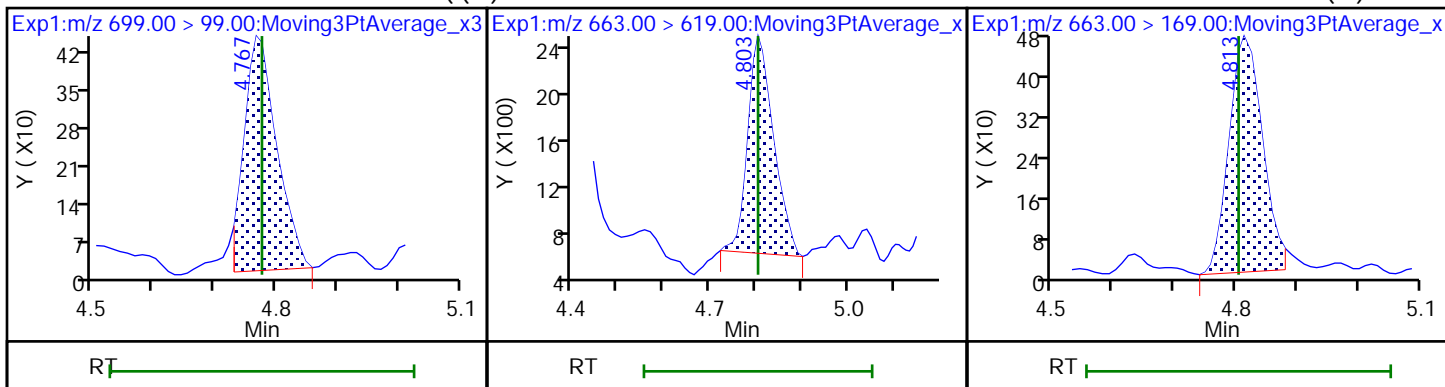
D 36 13C2 PFDoA

74 1H,1H,2H,2H-perfluorododecanesul (M) Perfluorododecanesulfonic acid ((M)



75 Perfluorododecanesulfonic acid ((M) 41 Perfluorotridecanoic acid

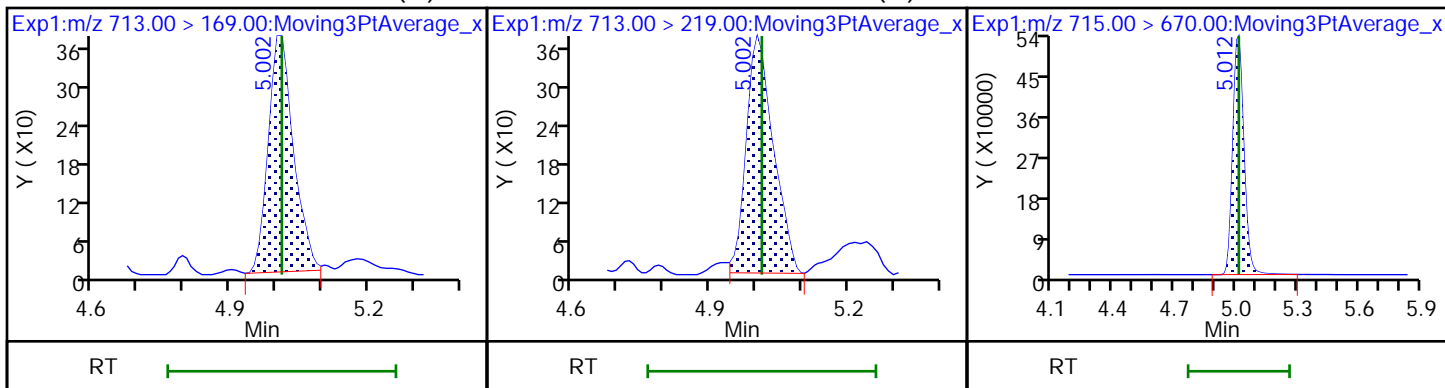
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

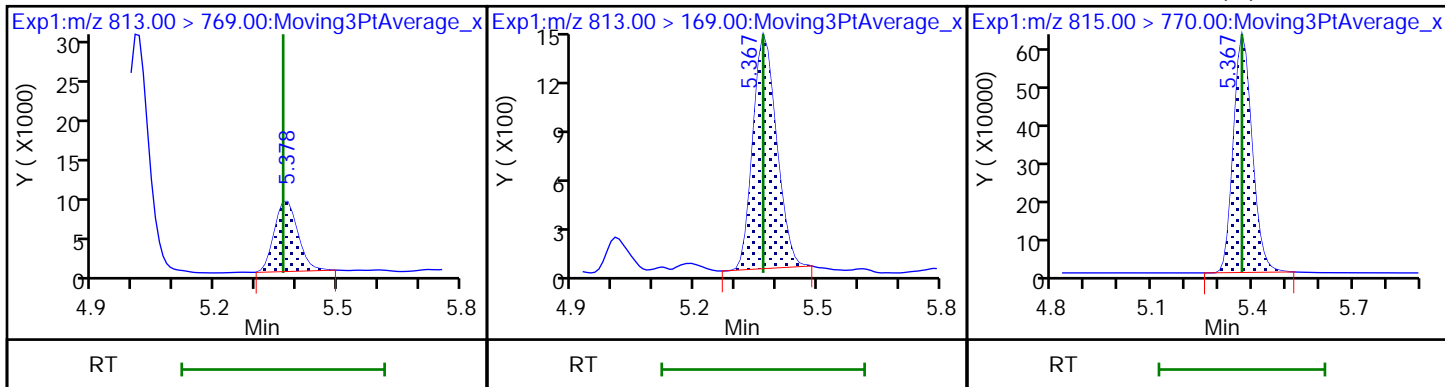
D 43 13C2 PFTeDA



45 Perfluorohexadecanoic acid

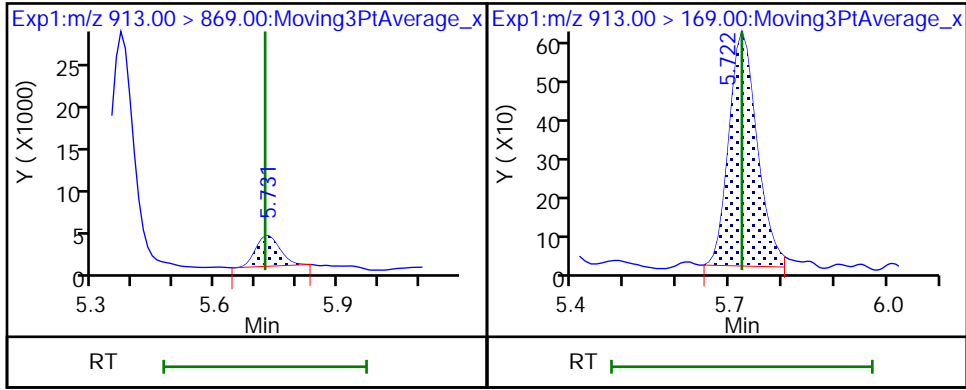
45 Perfluorohexadecanoic acid

D 44 13C2 PFHxDA (M)



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

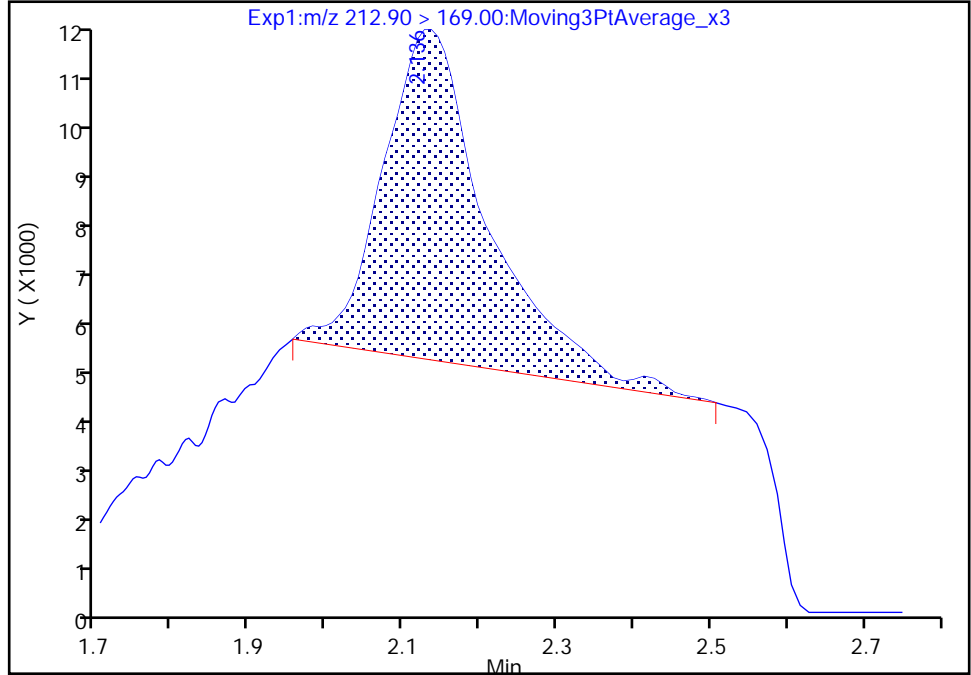
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

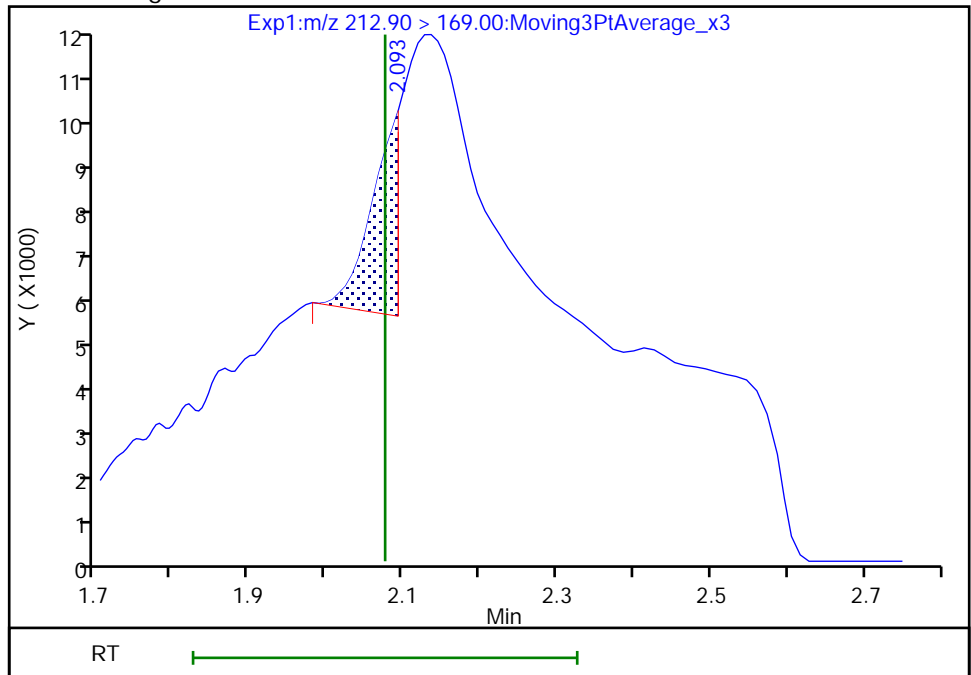
RT: 2.14
Area: 60893
Amount: 0.027432
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 10011
Amount: 0.004510
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:20:27
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

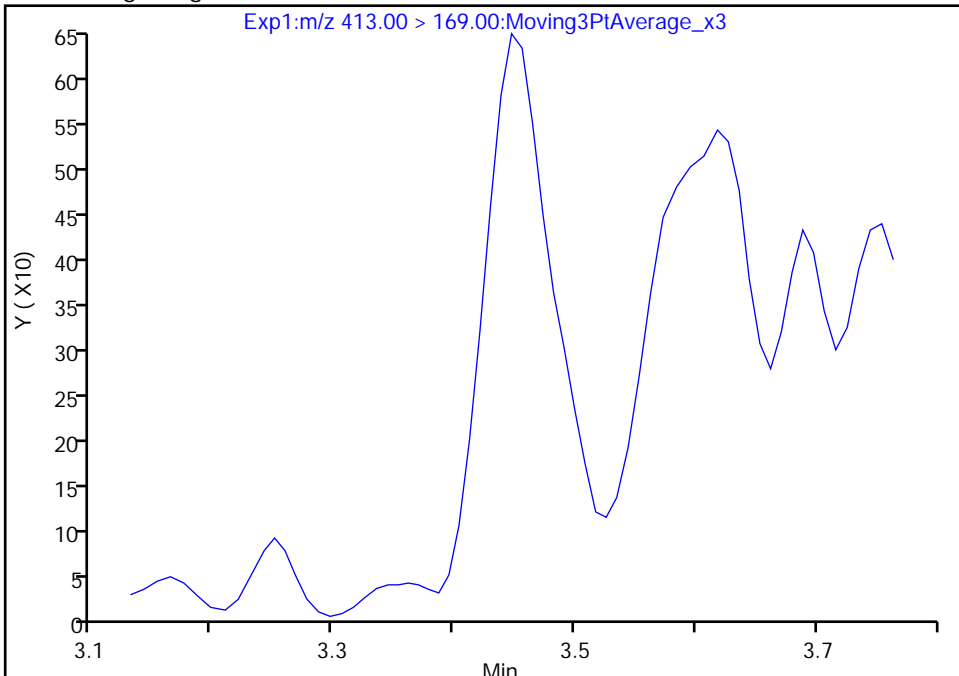
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

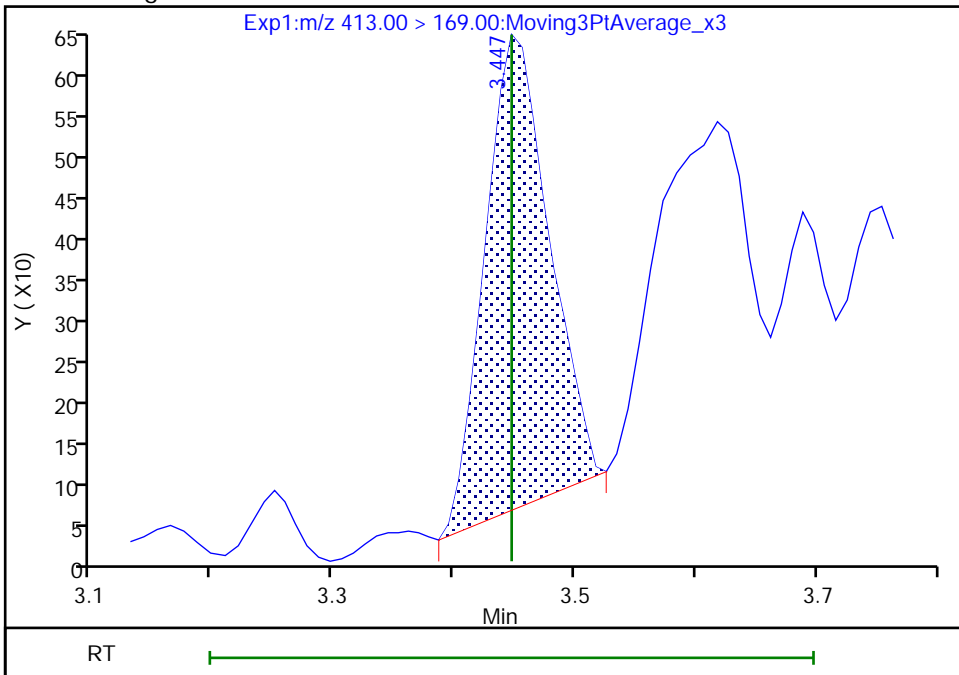
Not Detected
Expected RT: 3.45

Processing Integration Results



Manual Integration Results

RT: 3.45
Area: 2152
Amount: 0.002512
Amount Units: ng/ml



Reviewer: Z1IP, 21-Nov-2022 08:22:37
Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins Burlington

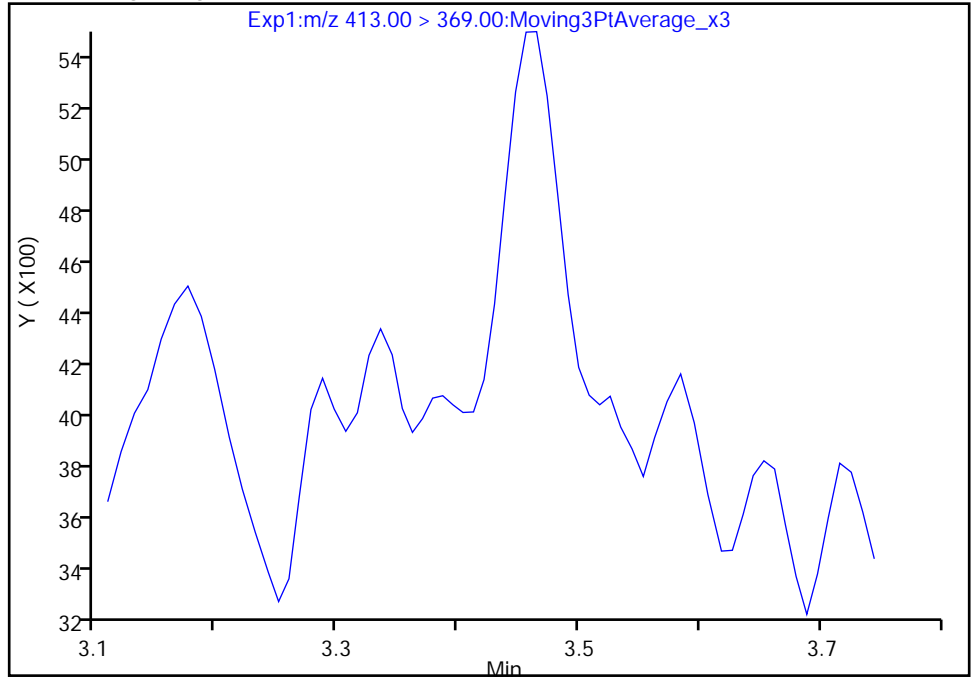
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

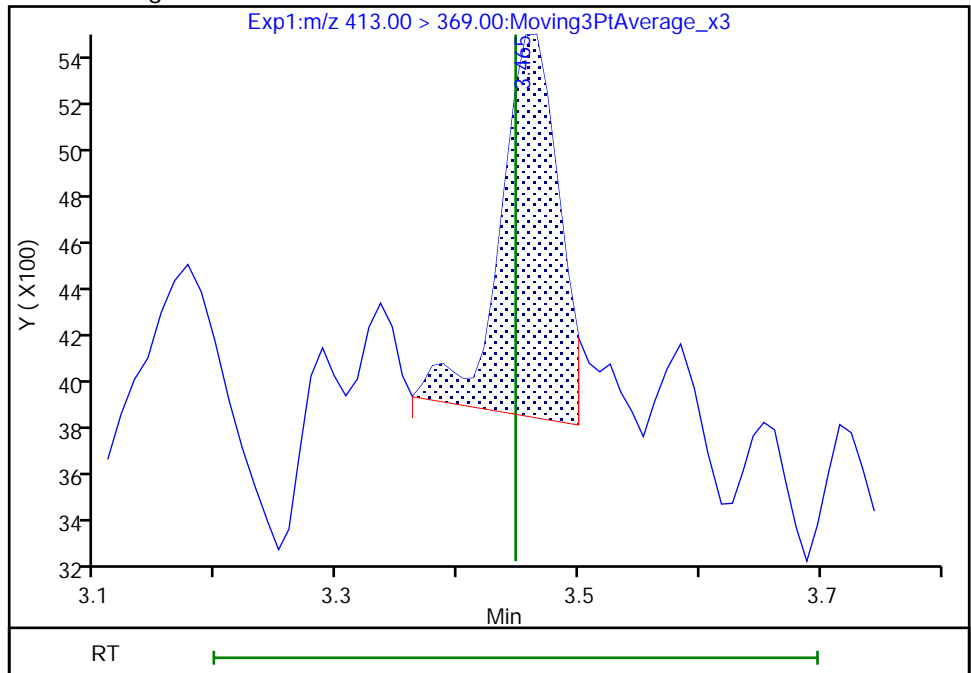
Not Detected
Expected RT: 3.45

Processing Integration Results



Manual Integration Results

RT: 3.46
Area: 5314
Amount: 0.002512
Amount Units: ng/ml



Reviewer: Z1IP, 21-Nov-2022 08:22:40

Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins Burlington

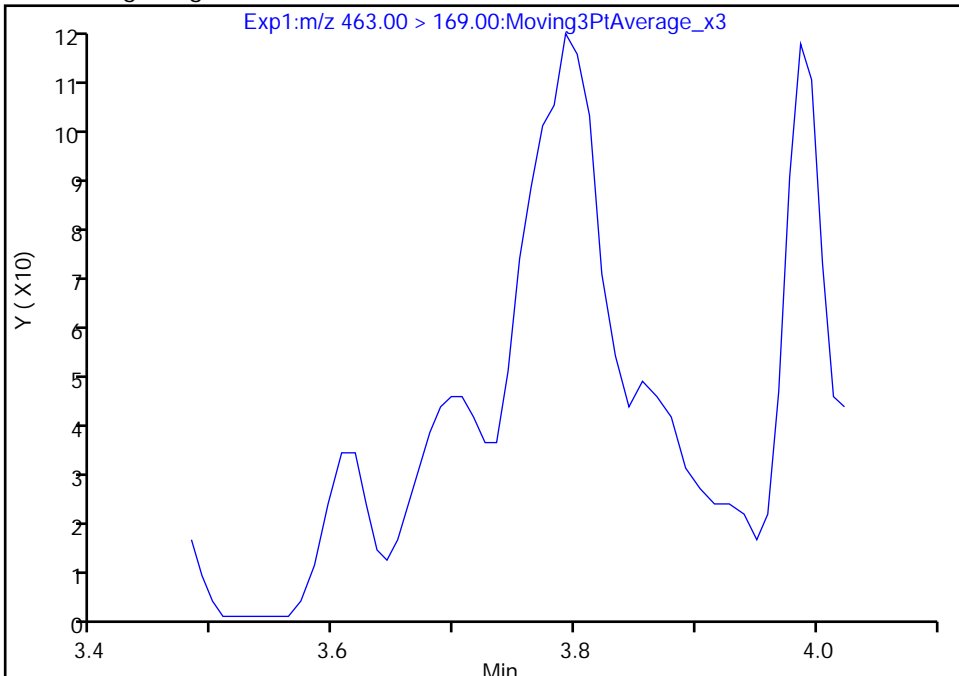
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

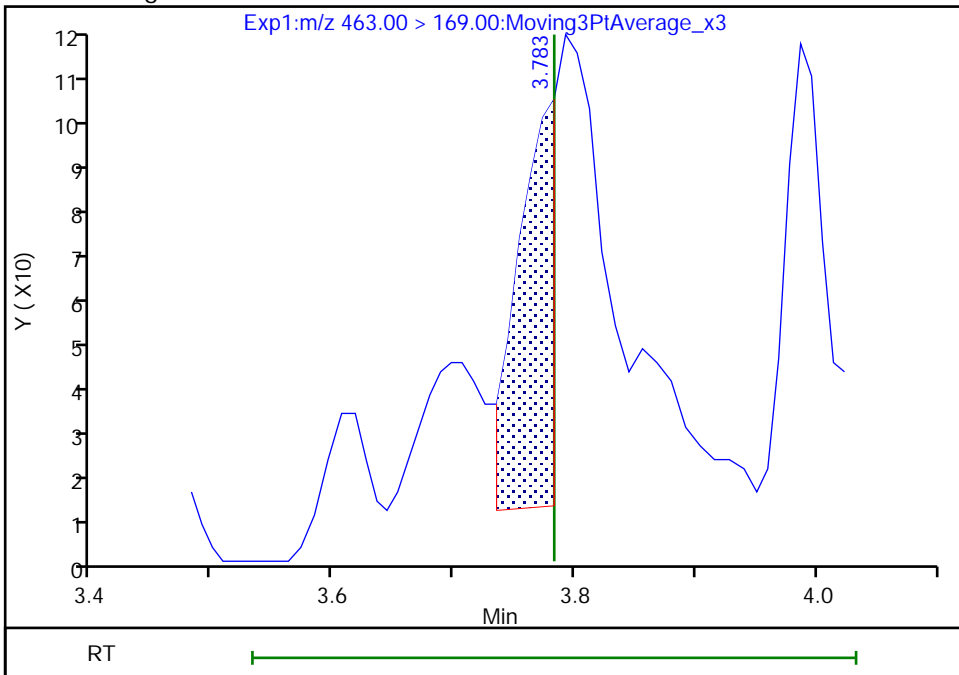
Not Detected
Expected RT: 3.78

Processing Integration Results



Manual Integration Results

RT: 3.78
Area: 175
Amount: 0.002181
Amount Units: ng/ml



Reviewer: Z1IP, 21-Nov-2022 08:23:26
Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins Burlington

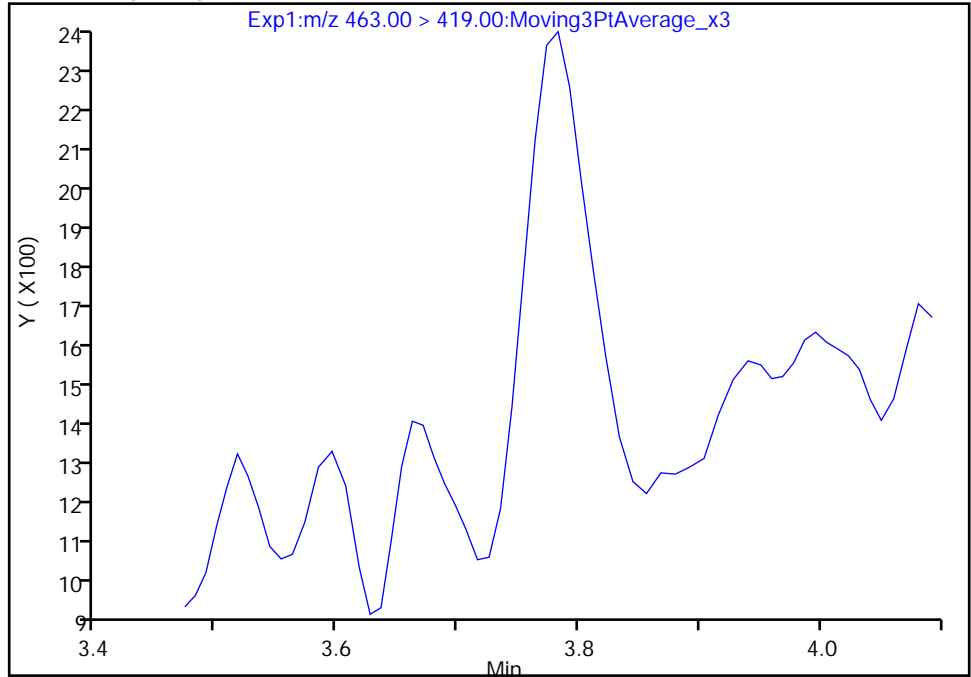
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

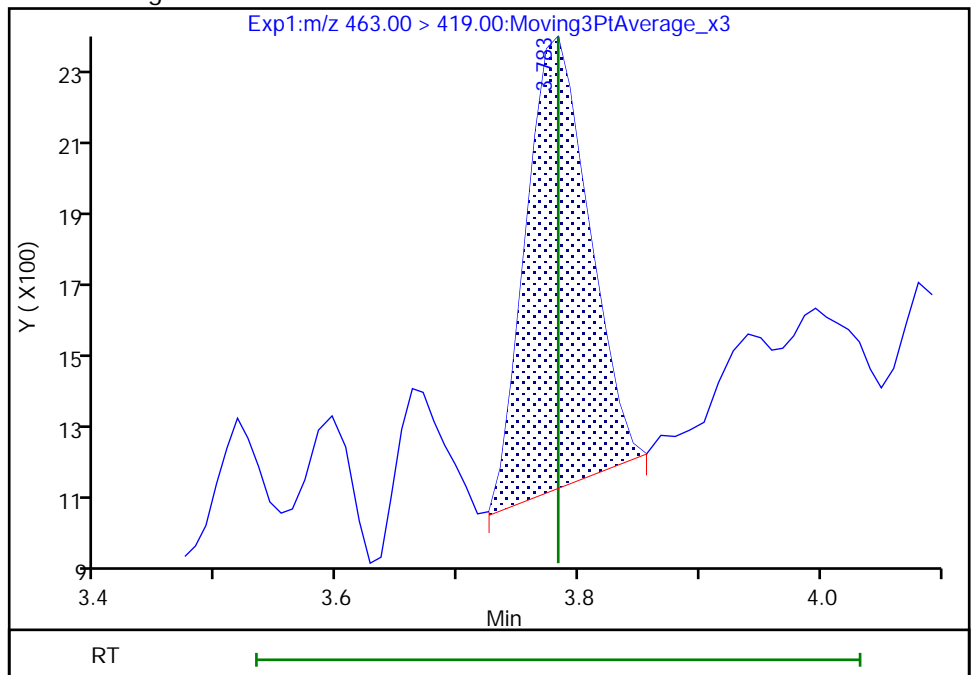
Not Detected
Expected RT: 3.78

Processing Integration Results



Manual Integration Results

RT: 3.78
Area: 4415
Amount: 0.002181
Amount Units: ng/ml



Reviewer: Z1IP, 21-Nov-2022 08:23:28

Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins Burlington

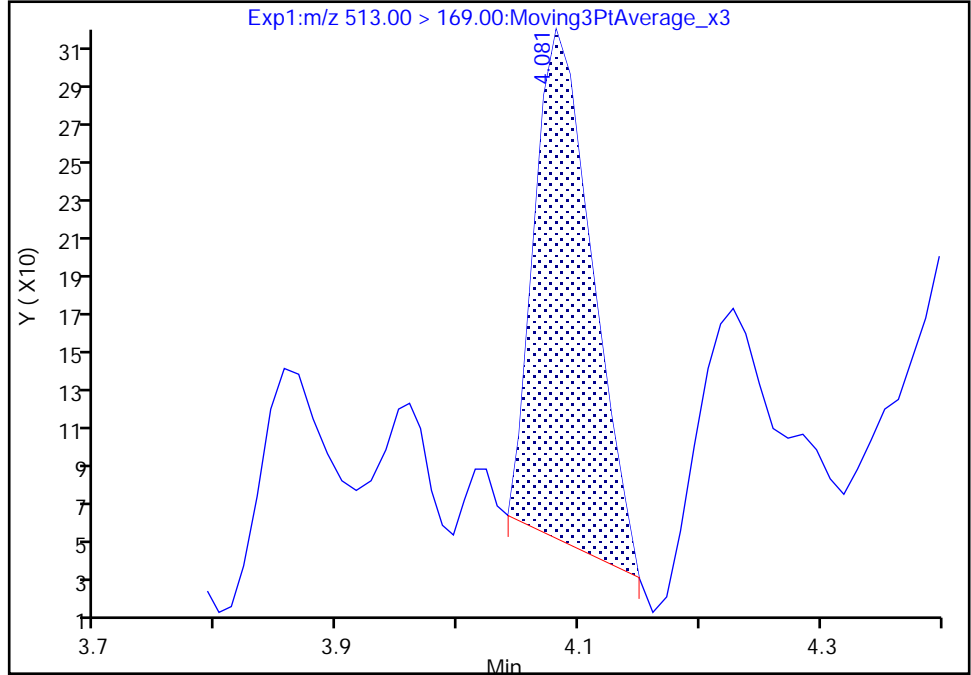
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

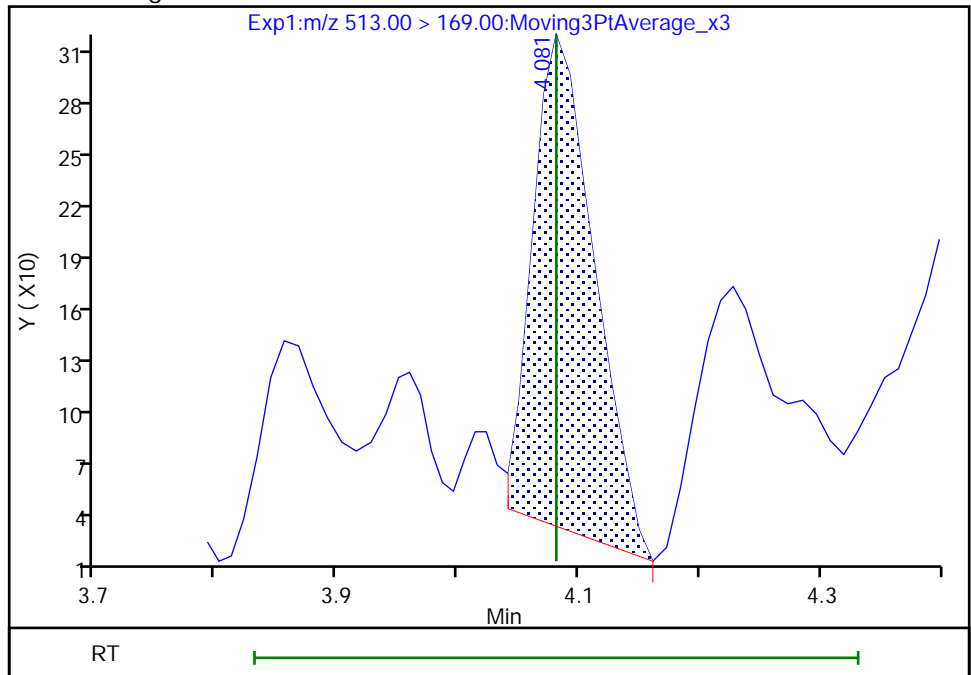
RT: 4.08
Area: 876
Amount: 0.002760
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 996
Amount: 0.002760
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:23:54
Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins Burlington

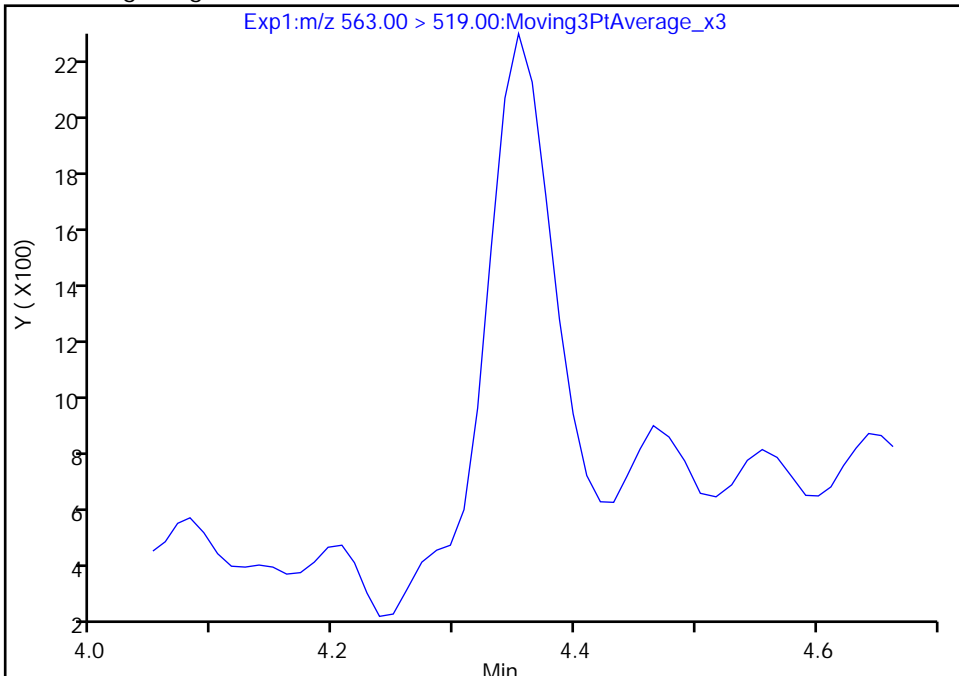
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

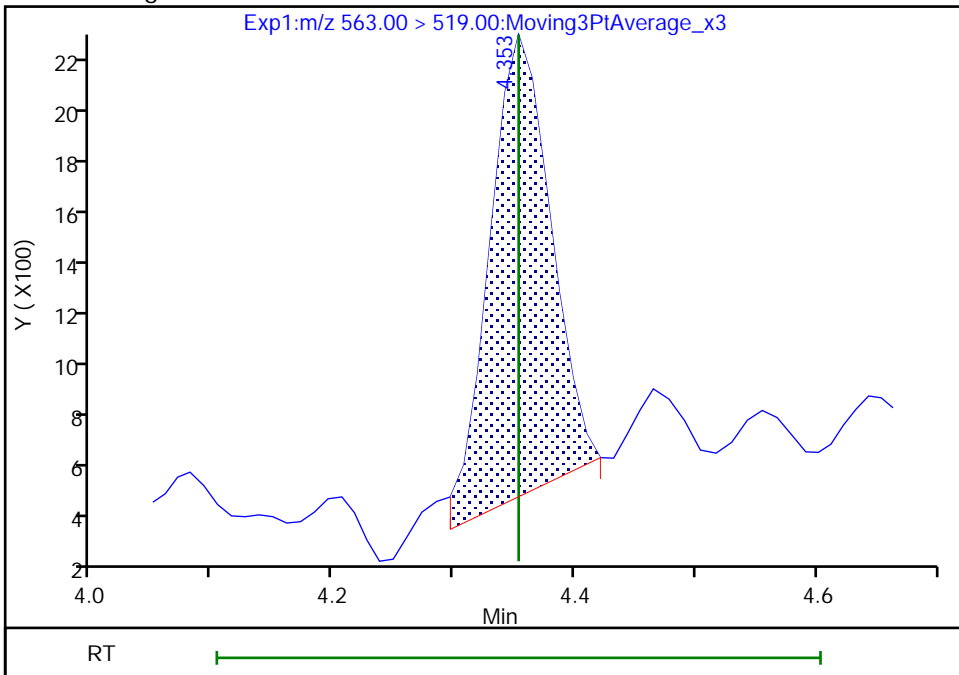
Not Detected
Expected RT: 4.35

Processing Integration Results



Manual Integration Results

RT: 4.35
Area: 6156
Amount: 0.003349
Amount Units: ng/ml



Reviewer: Z1IP, 21-Nov-2022 08:24:41
Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins Burlington

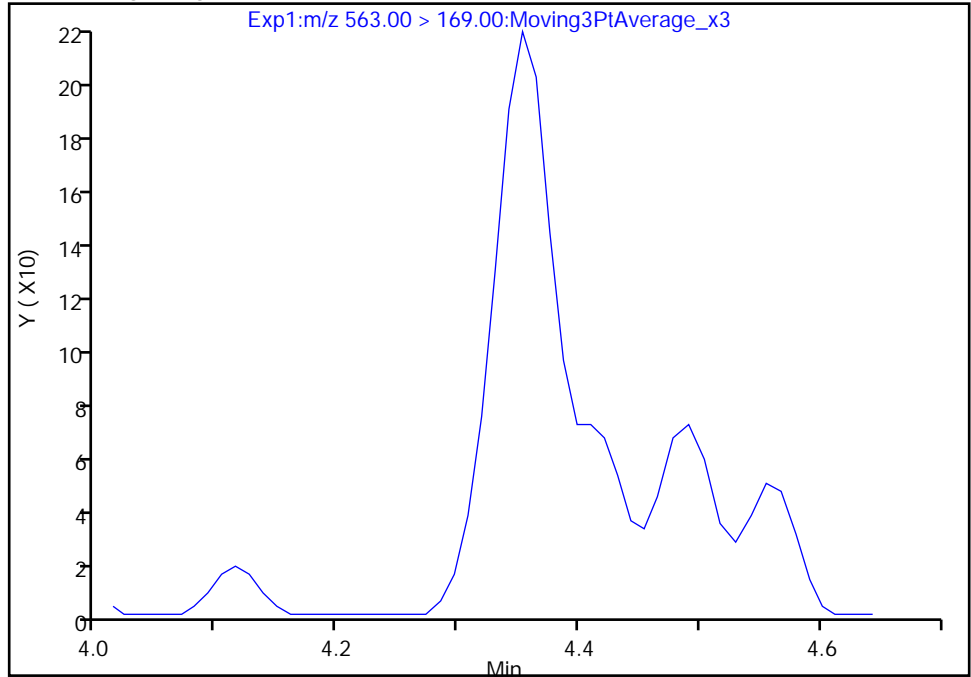
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

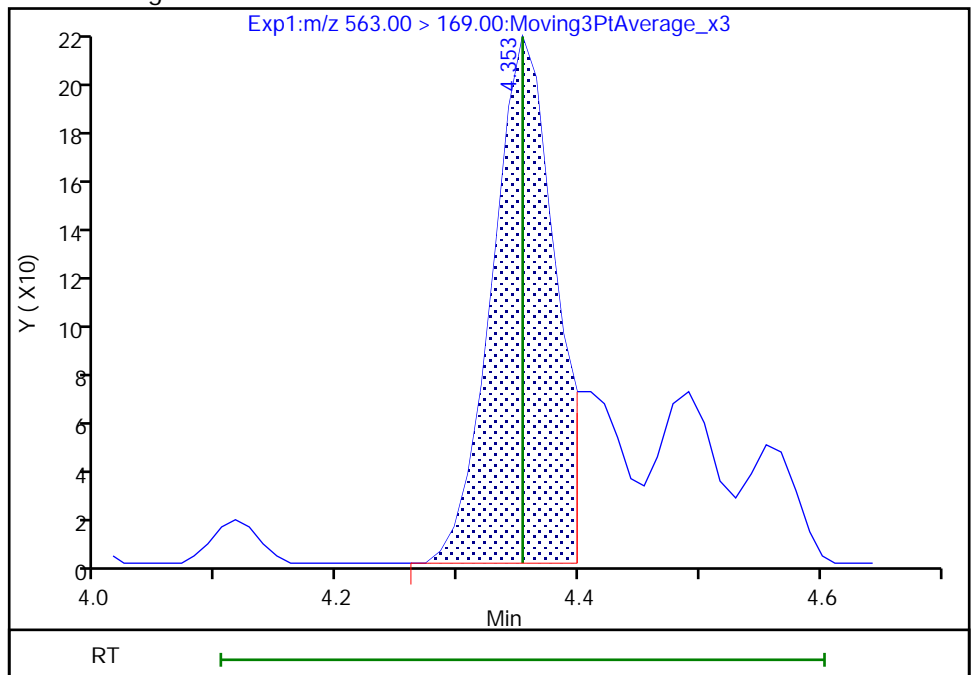
Not Detected
Expected RT: 4.35

Processing Integration Results



Manual Integration Results

RT: 4.35
Area: 773
Amount: 0.003349
Amount Units: ng/ml



Reviewer: Z1IP, 21-Nov-2022 08:24:44

Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins Burlington

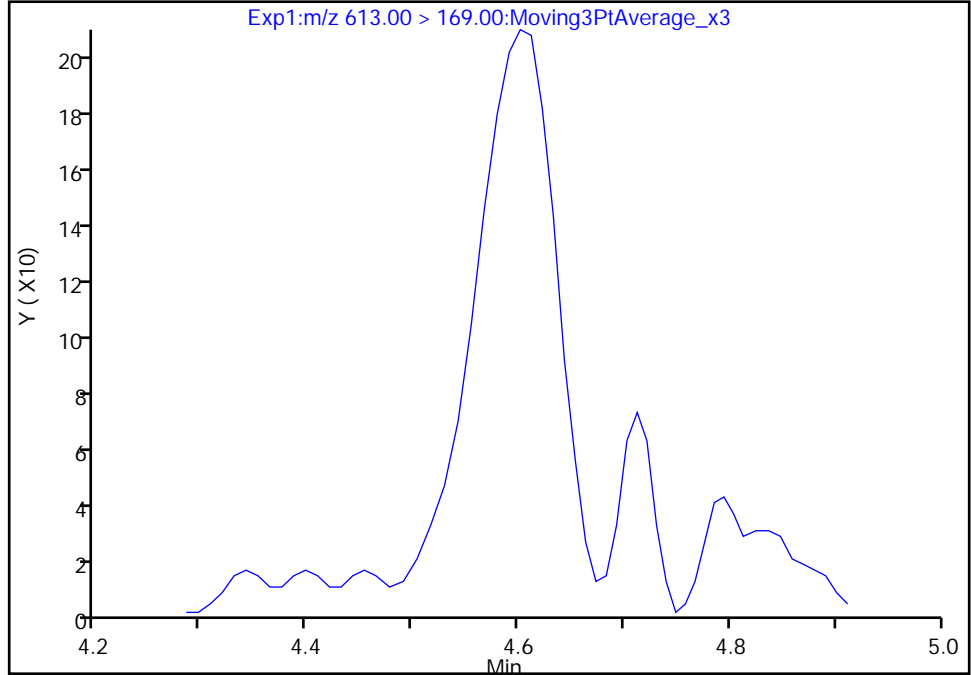
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

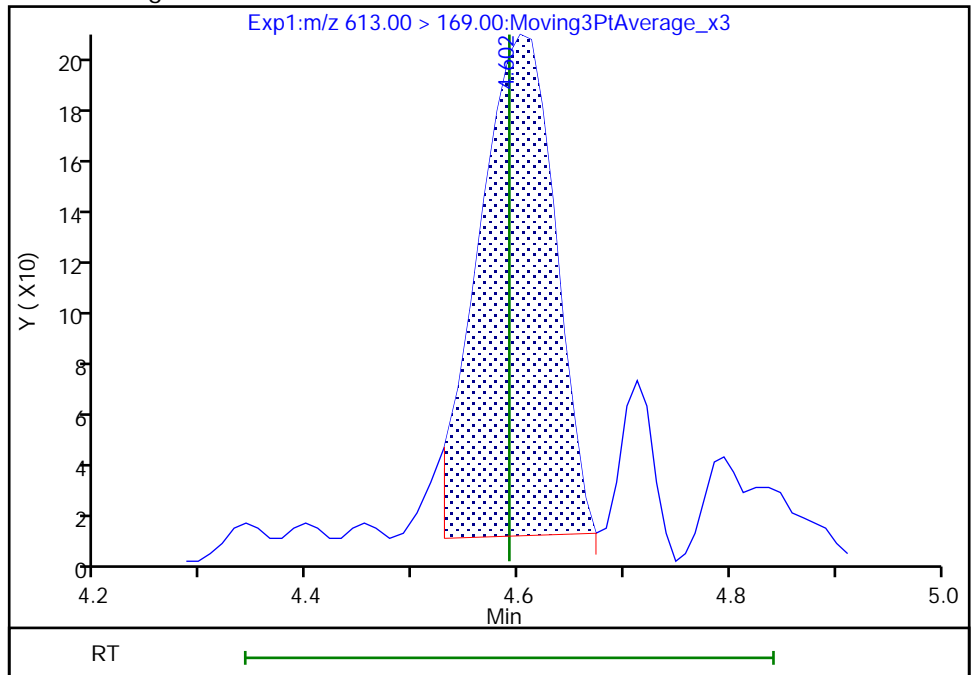
Not Detected
Expected RT: 4.59

Processing Integration Results



Manual Integration Results

RT: 4.60
Area: 984
Amount: 0.003355
Amount Units: ng/ml



Reviewer: Z1IP, 21-Nov-2022 08:25:29
Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins Burlington

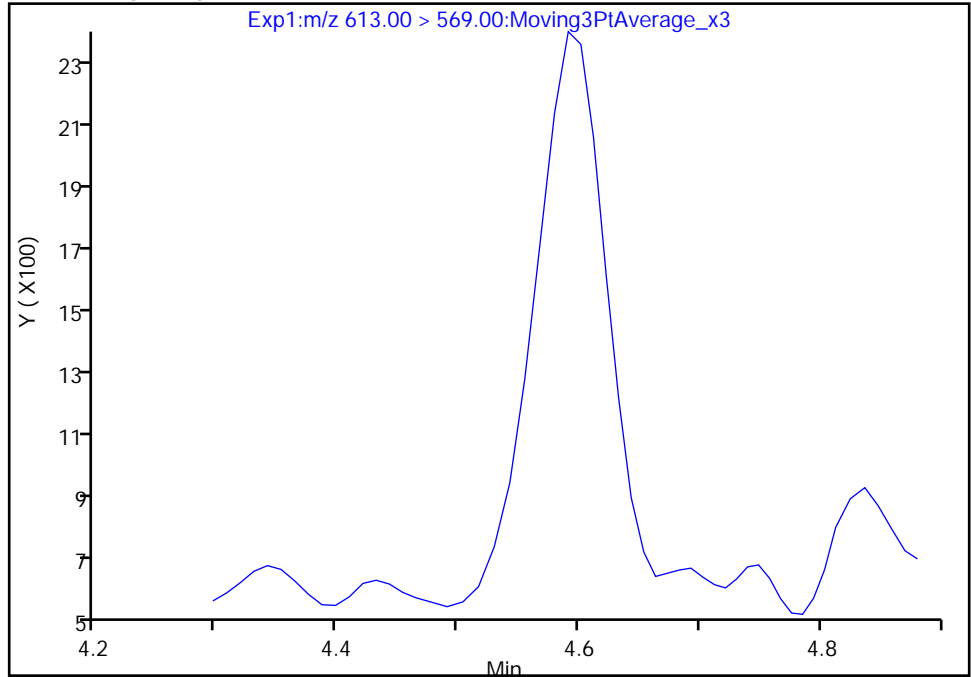
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

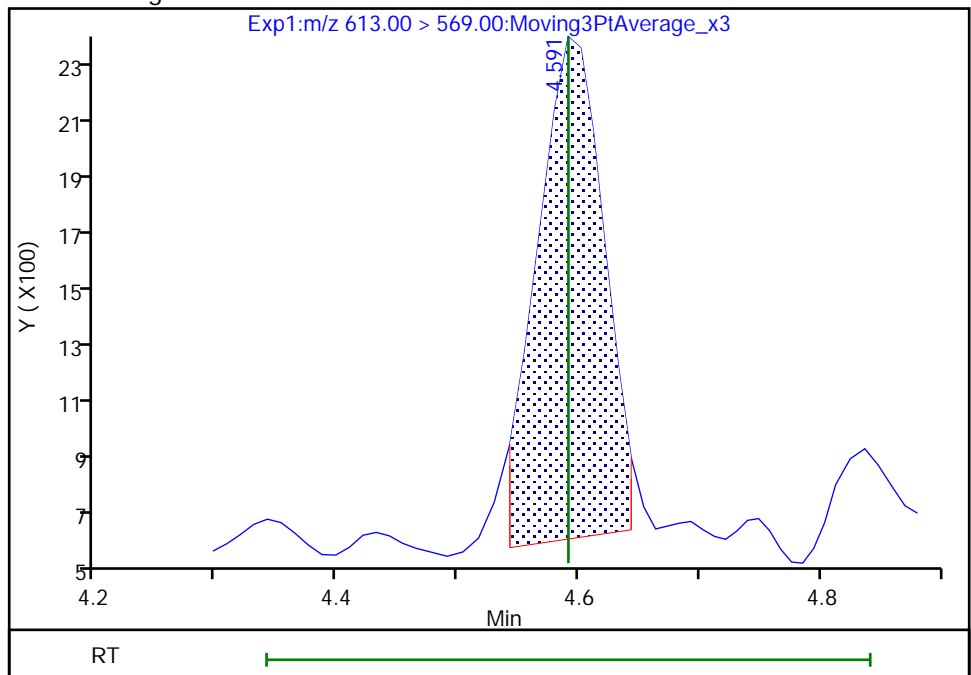
Not Detected
Expected RT: 4.59

Processing Integration Results



Manual Integration Results

RT: 4.59
Area: 6630
Amount: 0.003355
Amount Units: ng/ml



Reviewer: Z1IP, 21-Nov-2022 08:25:35
Audit Action: Manually Integrated

Eurofins Burlington

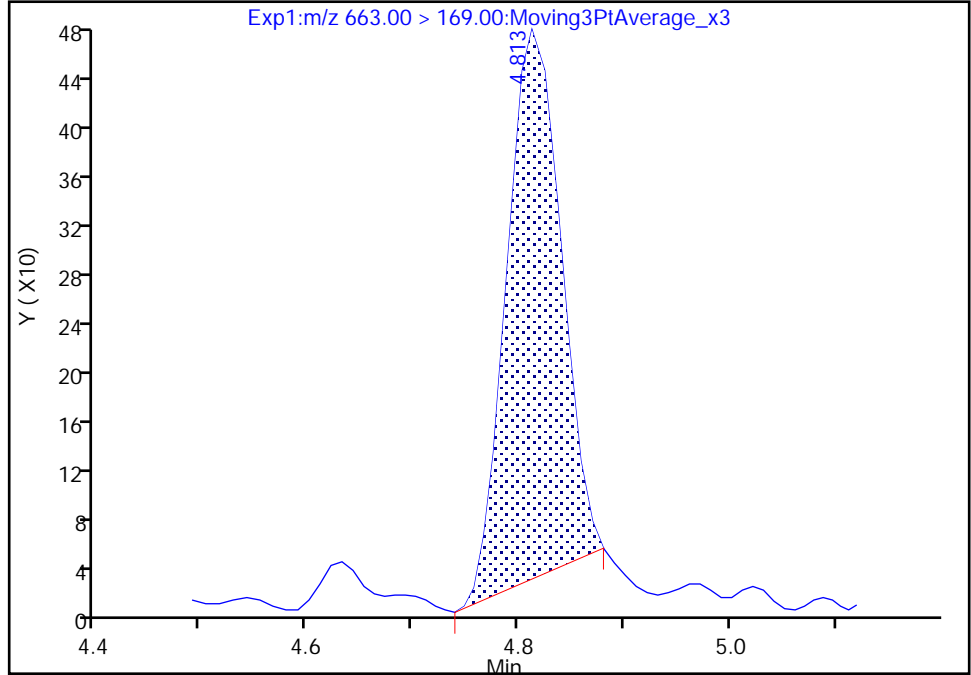
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

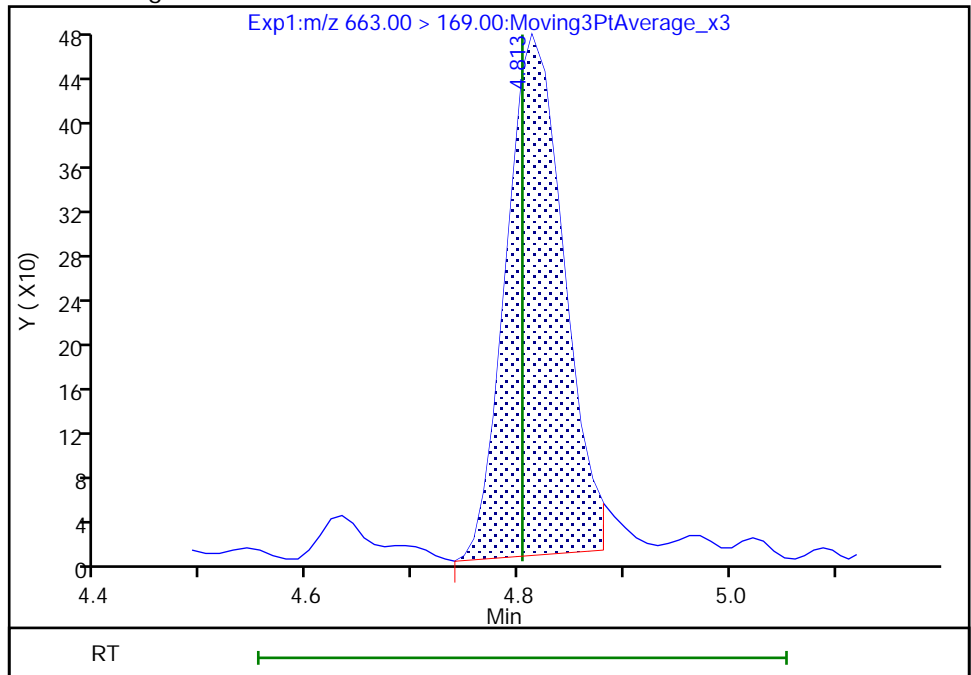
RT: 4.81
Area: 1591
Amount: 0.003827
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 1768
Amount: 0.003827
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:26:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

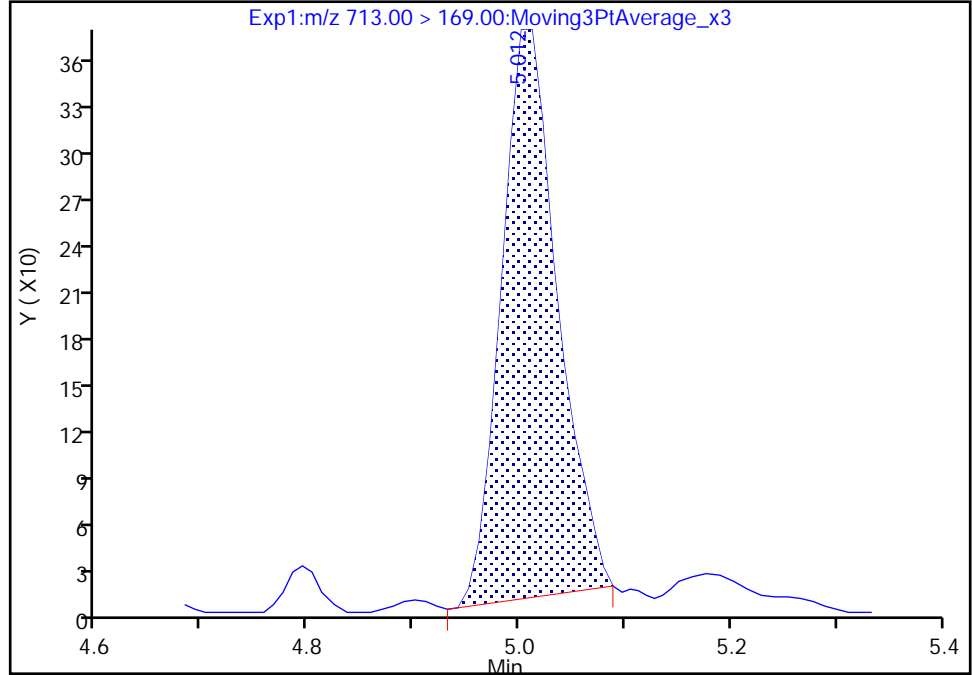
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

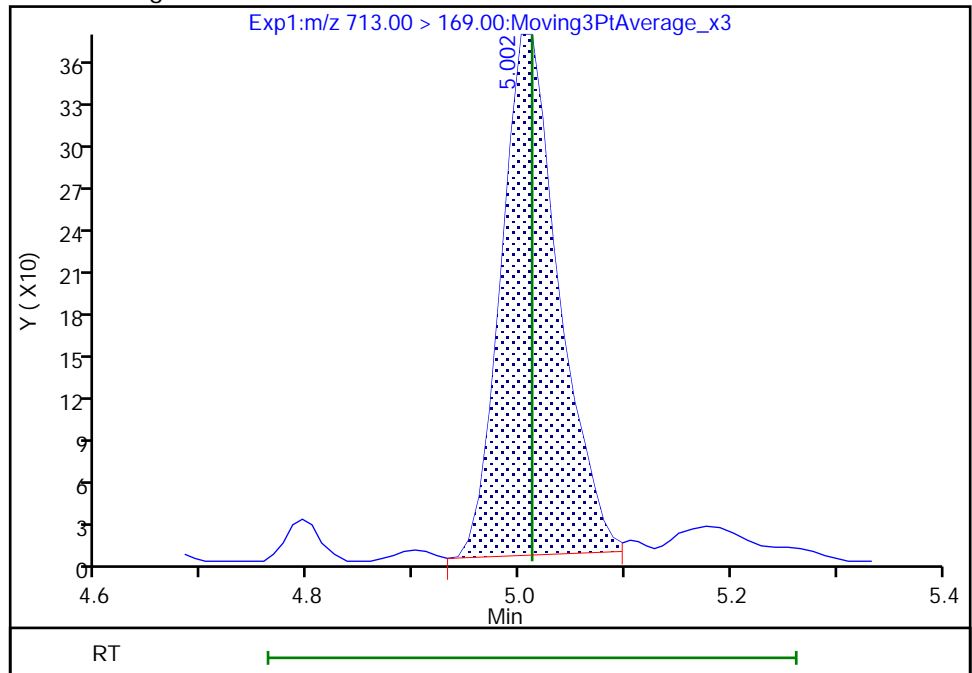
RT: 5.01
Area: 1356
Amount: 0.006171
Amount Units: ng/ml

Processing Integration Results



RT: 5.00
Area: 1409
Amount: 0.006412
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:26:28
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

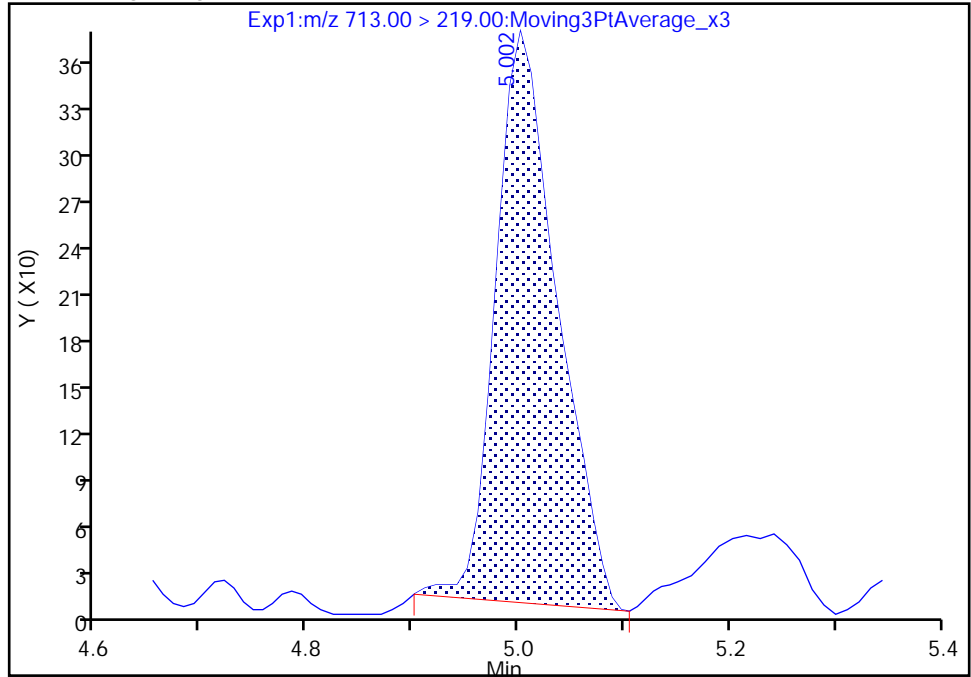
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

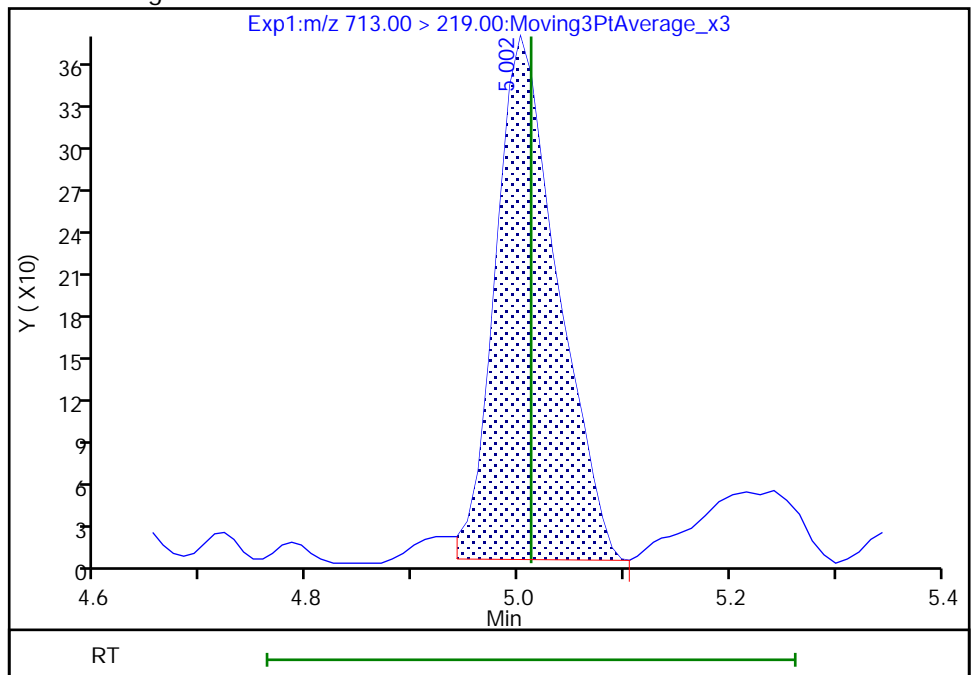
RT: 5.00
Area: 1502
Amount: 0.006171
Amount Units: ng/ml

Processing Integration Results



RT: 5.00
Area: 1526
Amount: 0.006412
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:26:30

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

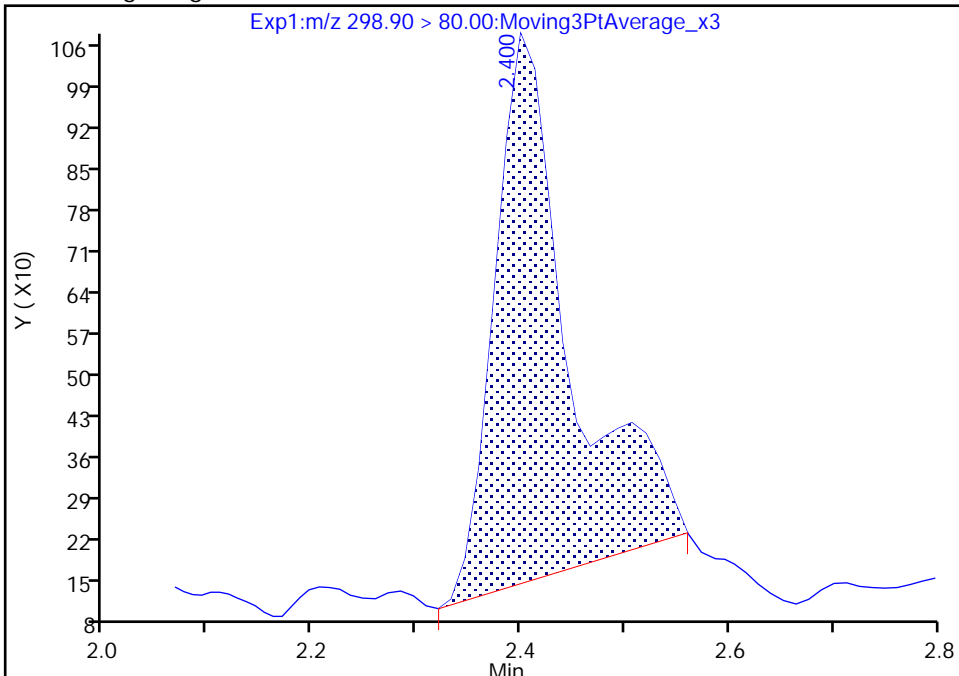
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

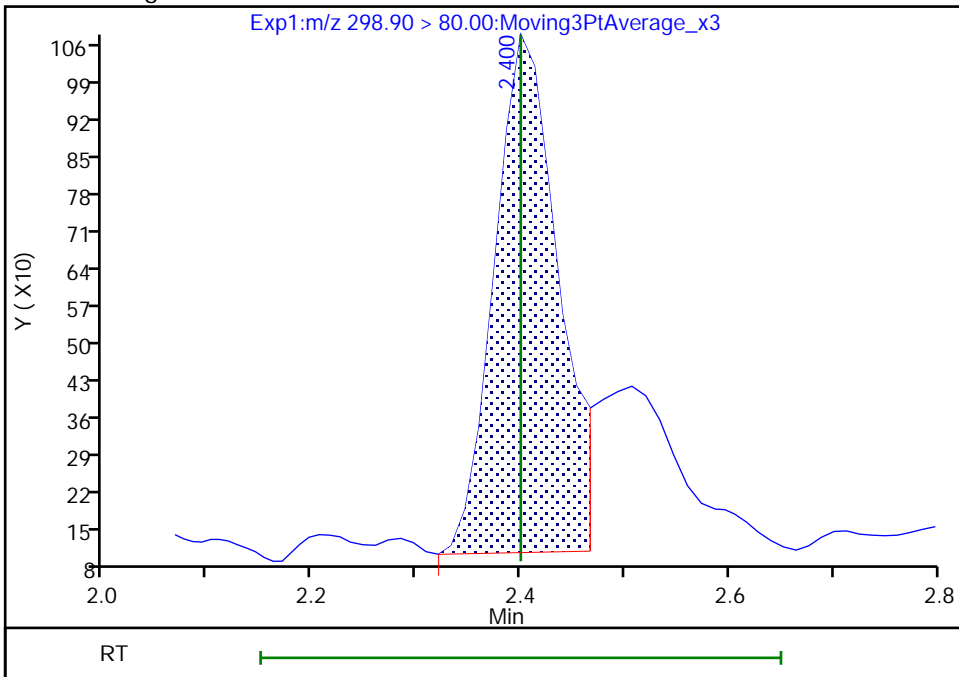
RT: 2.40
Area: 4687
Amount: 0.002285
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 4101
Amount: 0.001999
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:20:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

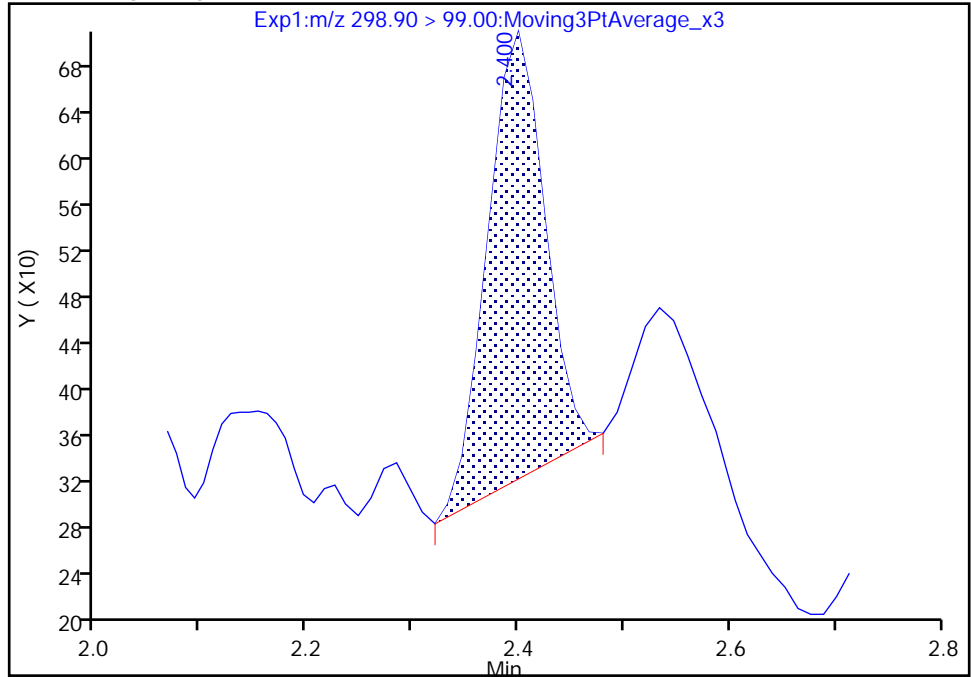
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

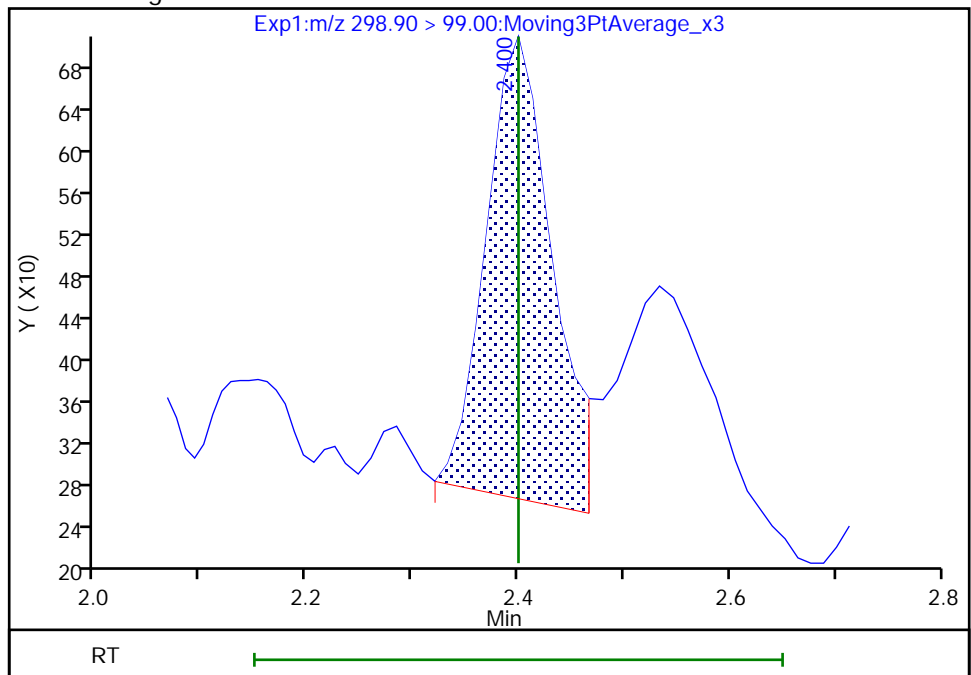
RT: 2.40
Area: 1438
Amount: 0.002285
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 1875
Amount: 0.001999
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:20:52

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

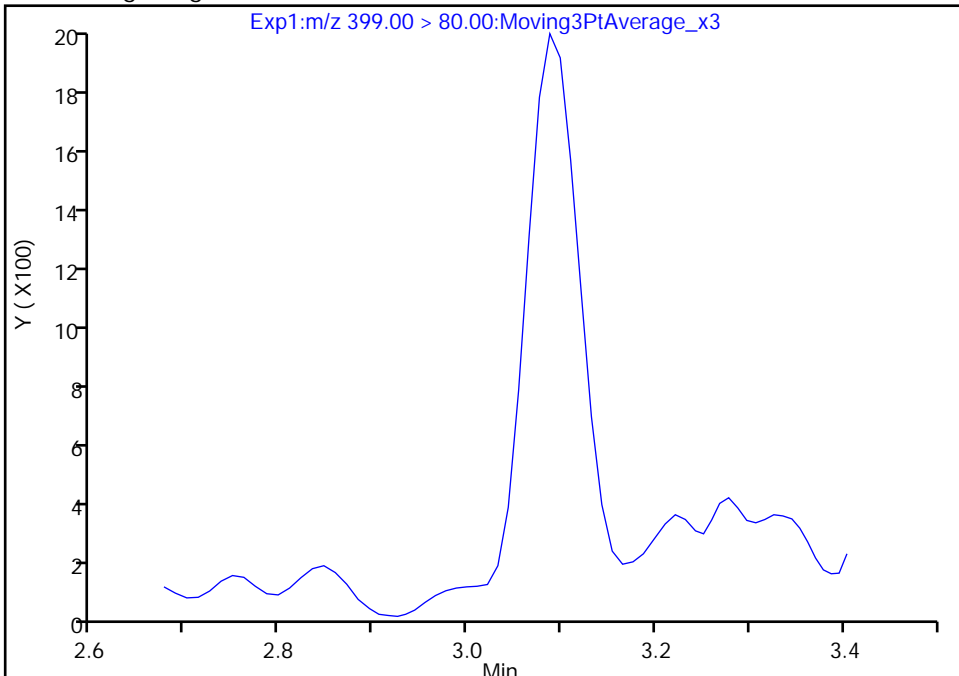
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

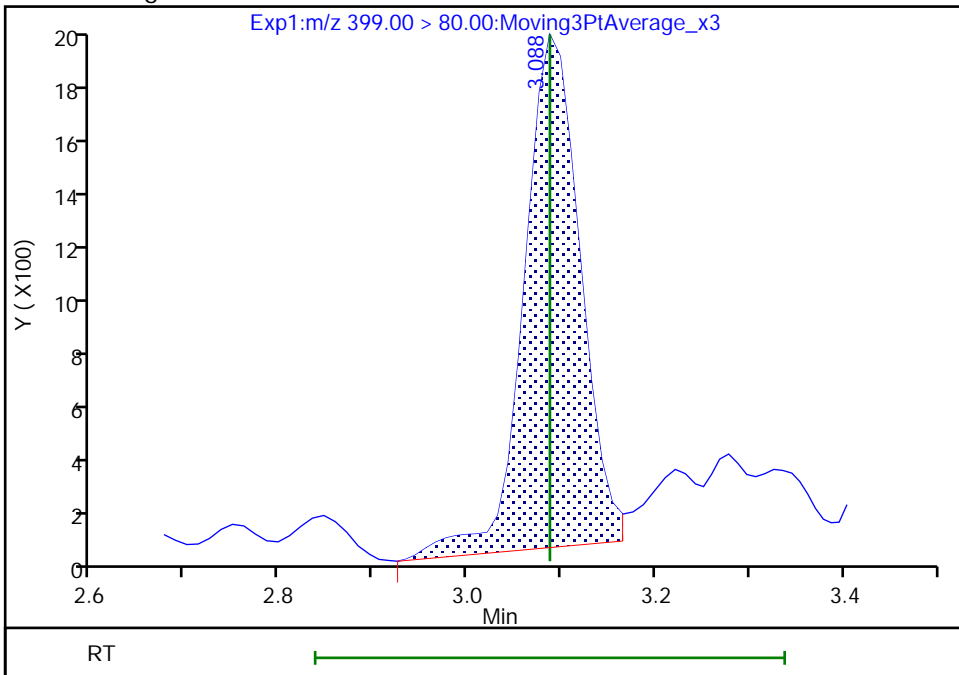
Not Detected
Expected RT: 3.09

Processing Integration Results



Manual Integration Results

RT: 3.09
Area: 7928
Amount: 0.005284
Amount Units: ng/ml



Reviewer: Z1IP, 21-Nov-2022 08:21:32
Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins Burlington

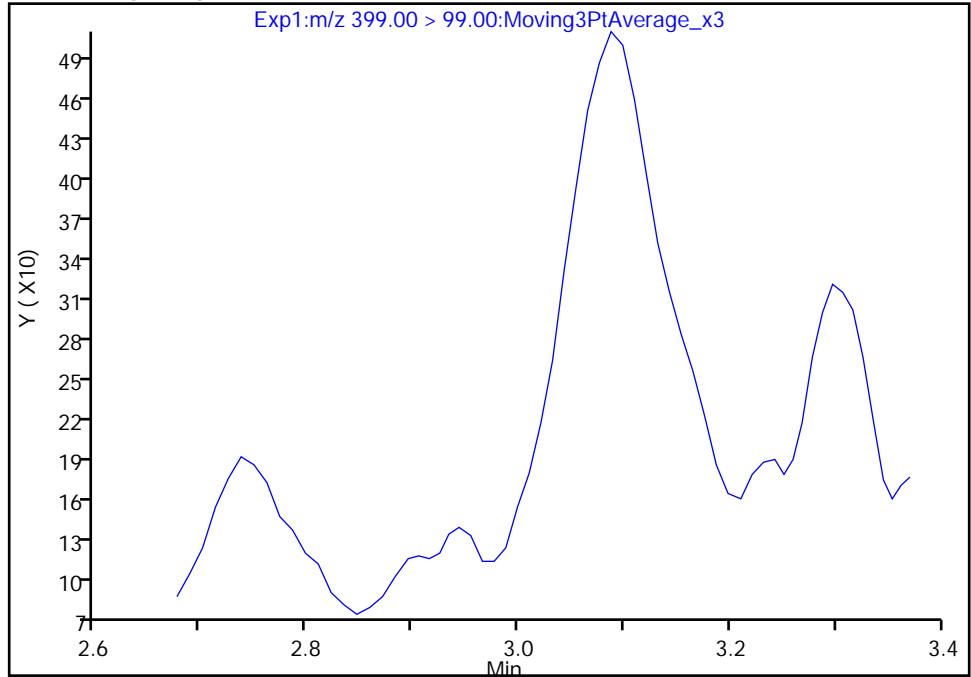
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

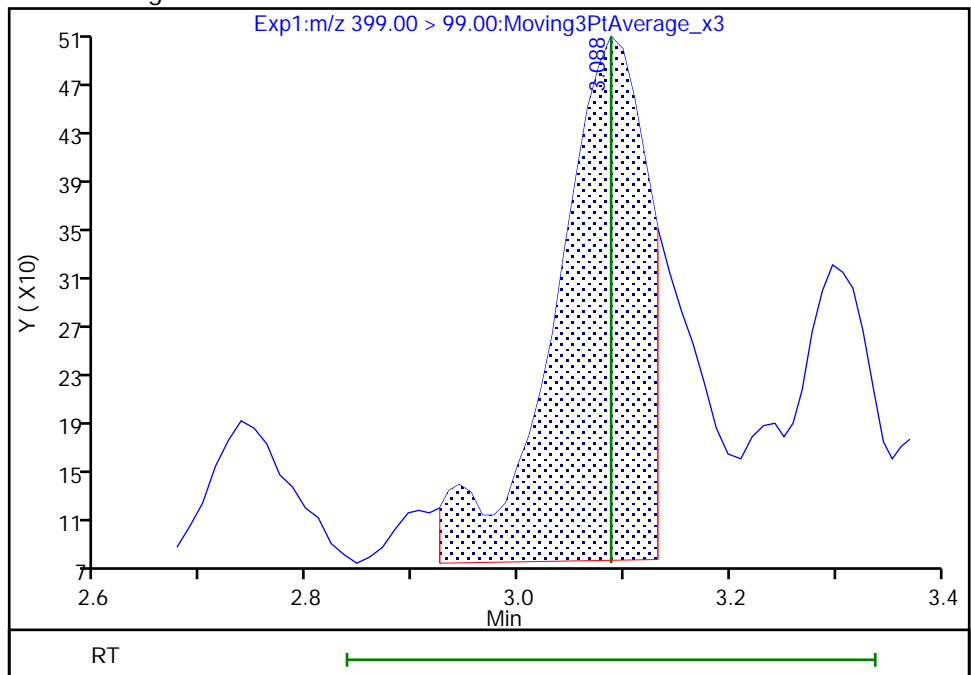
Not Detected
Expected RT: 3.09

Processing Integration Results



Manual Integration Results

RT: 3.09
Area: 2543
Amount: 0.005284
Amount Units: ng/ml



Reviewer: Z1IP, 21-Nov-2022 08:21:40

Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins Burlington

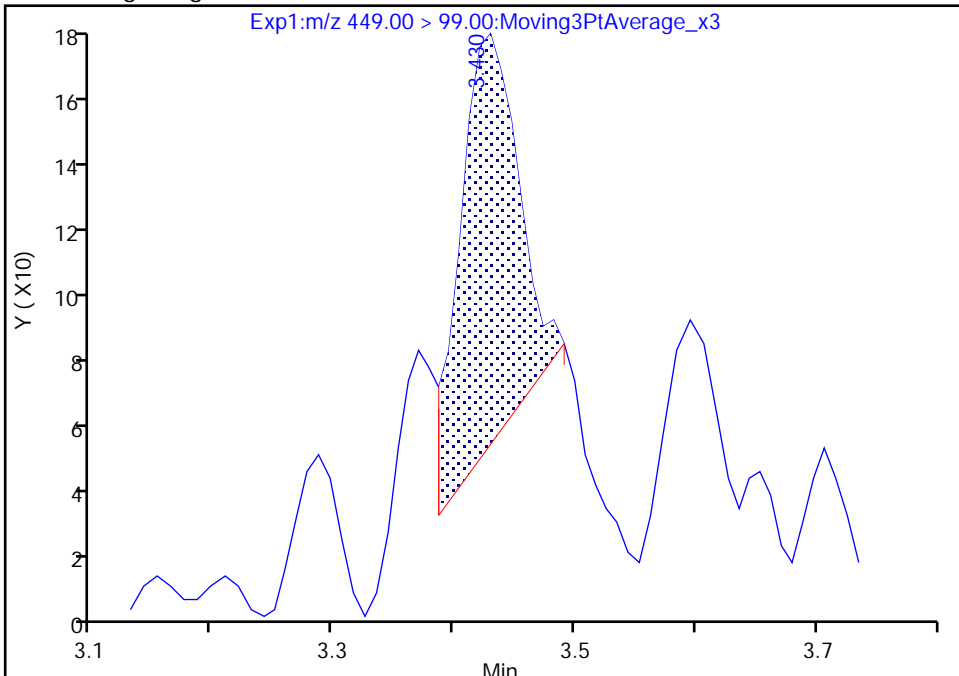
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

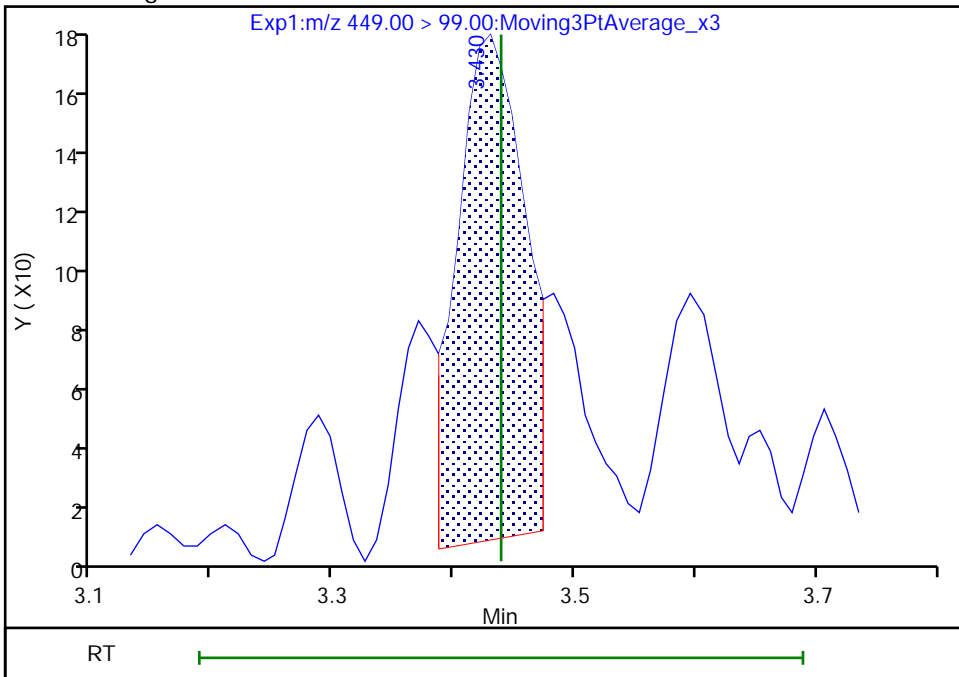
RT: 3.43
Area: 411
Amount: 0.001467
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 631
Amount: 0.001343
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:22:17
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

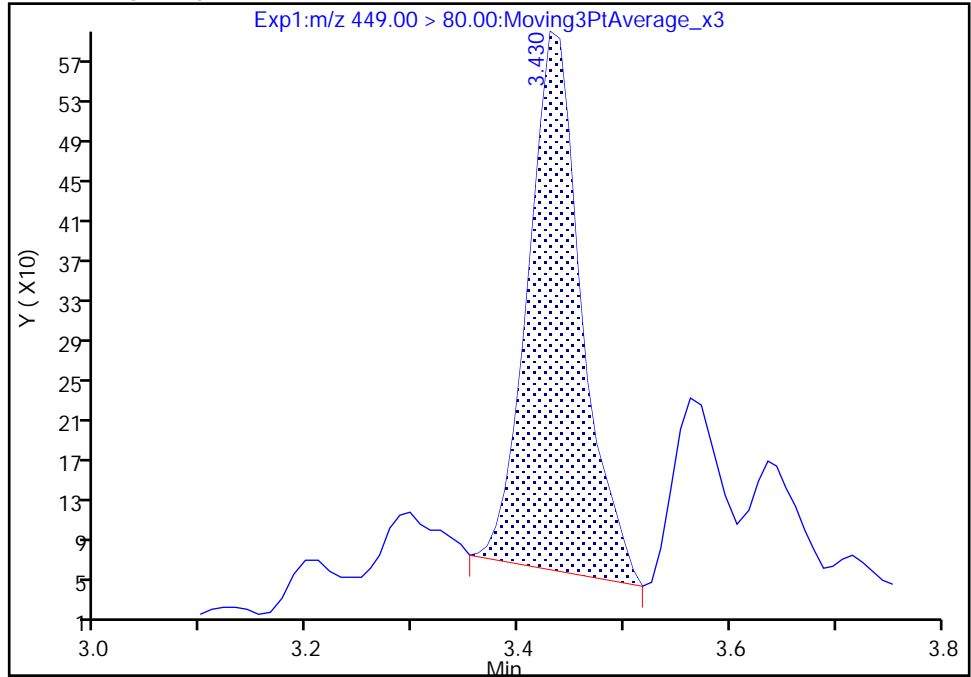
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

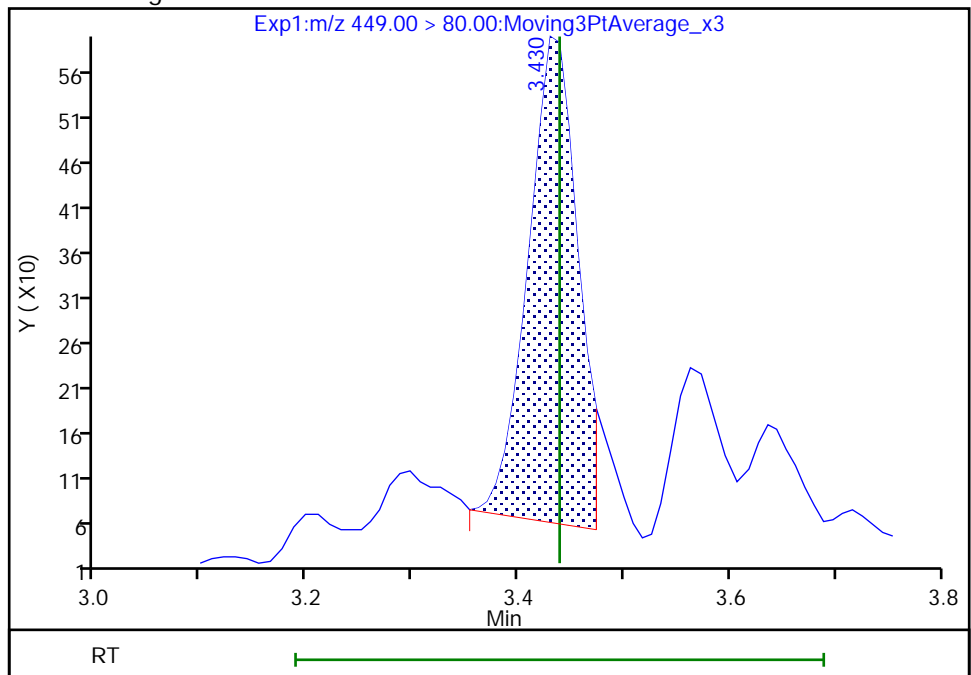
RT: 3.43
Area: 1891
Amount: 0.001467
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 1731
Amount: 0.001343
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:22:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

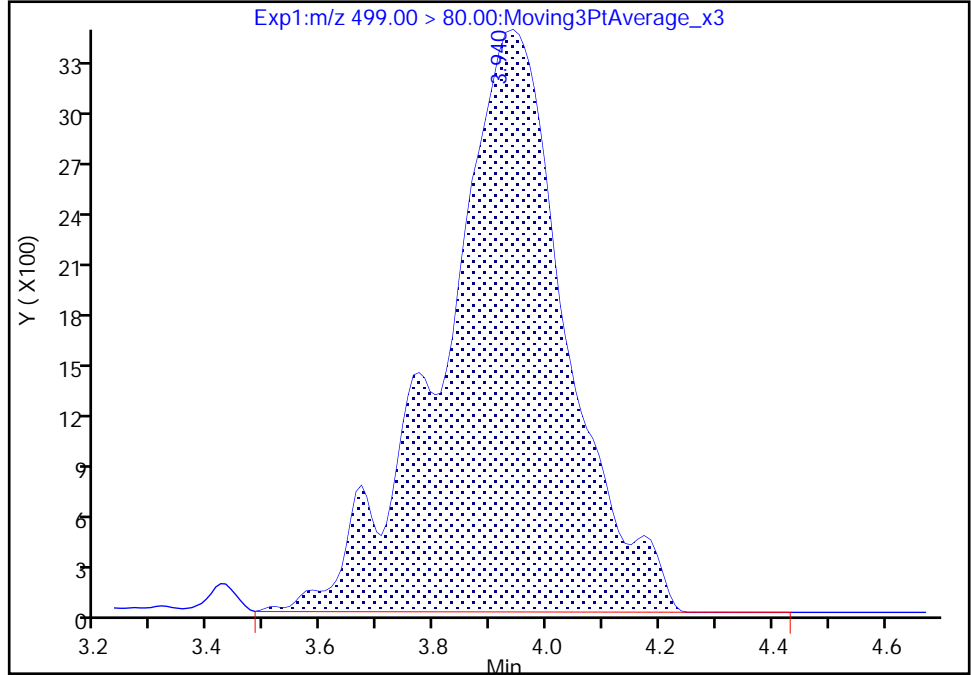
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

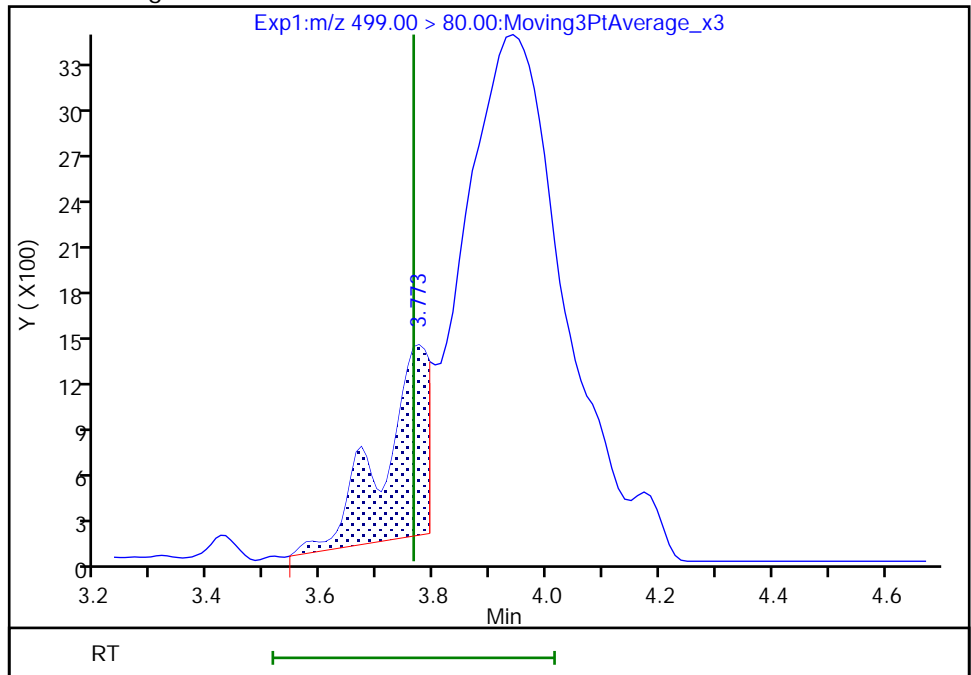
RT: 3.94
Area: 52204
Amount: 0.046510
Amount Units: ng/ml

Processing Integration Results



RT: 3.77
Area: 6863
Amount: 0.006115
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:23:01
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

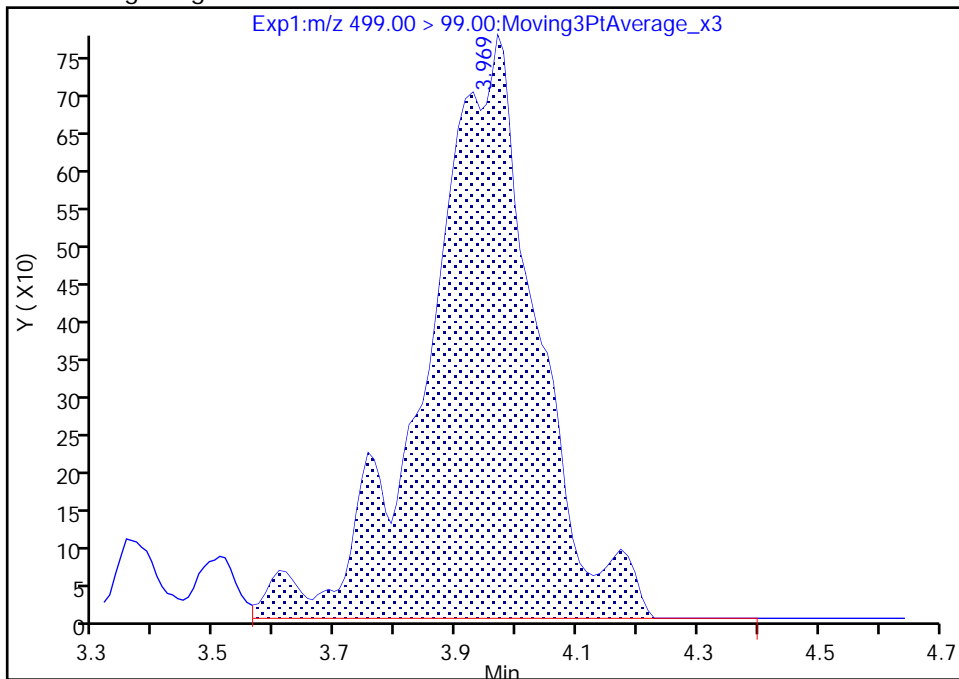
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

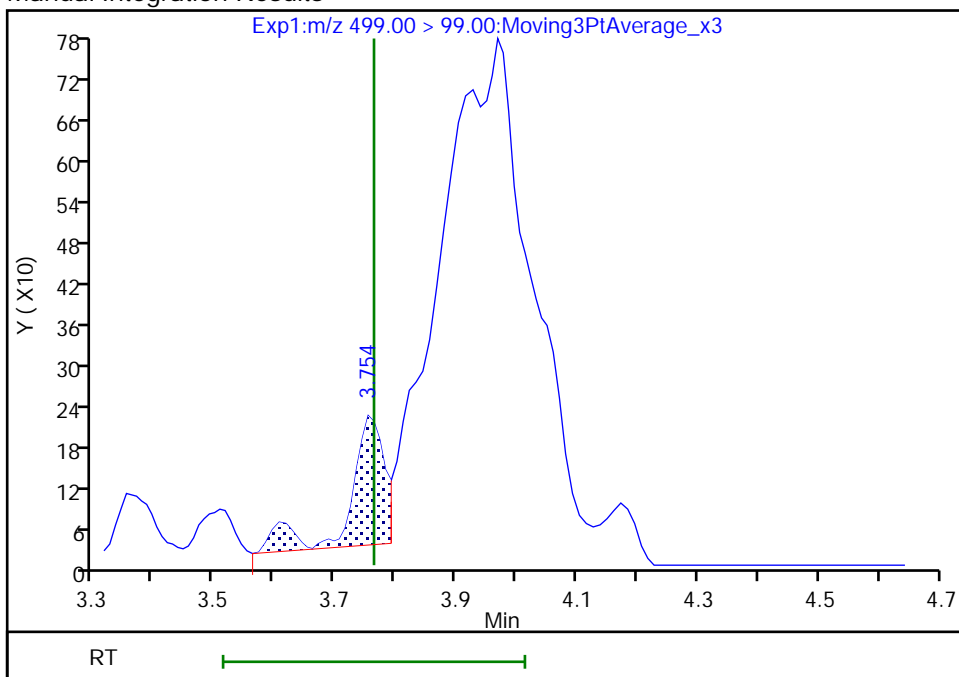
RT: 3.97
Area: 9705
Amount: 0.046510
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 740
Amount: 0.006115
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:23:04

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

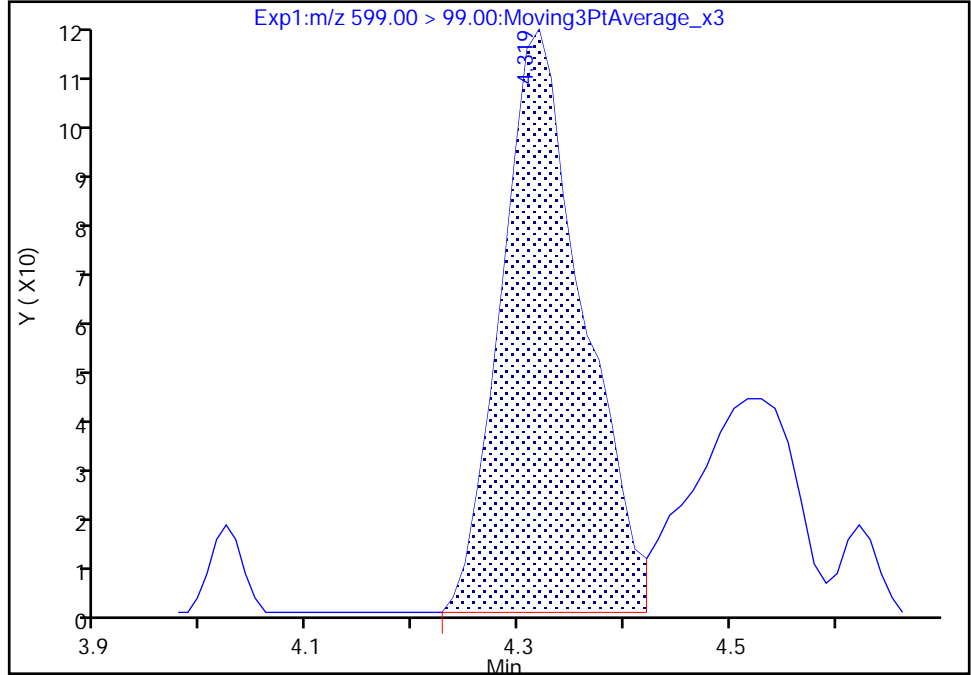
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

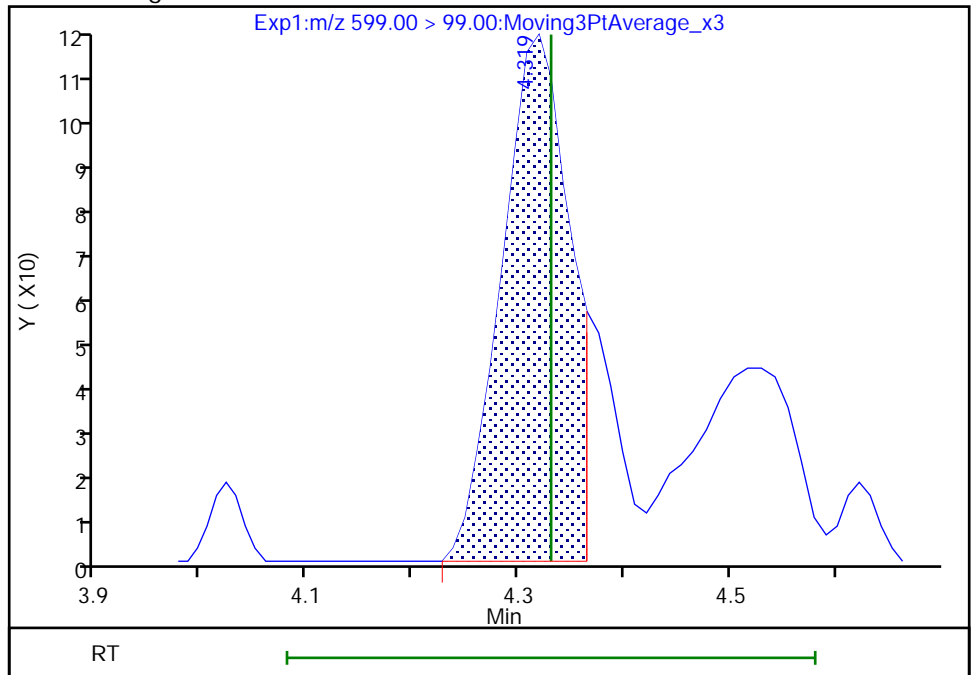
RT: 4.32
Area: 641
Amount: 0.002521
Amount Units: ng/ml

Processing Integration Results



RT: 4.32
Area: 530
Amount: 0.002521
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:24:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

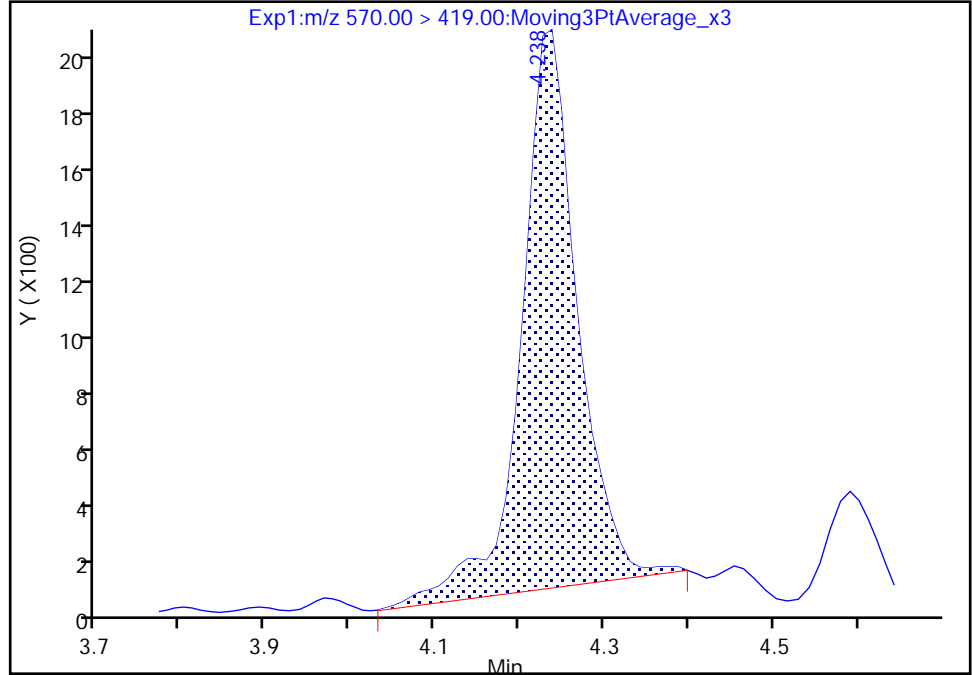
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

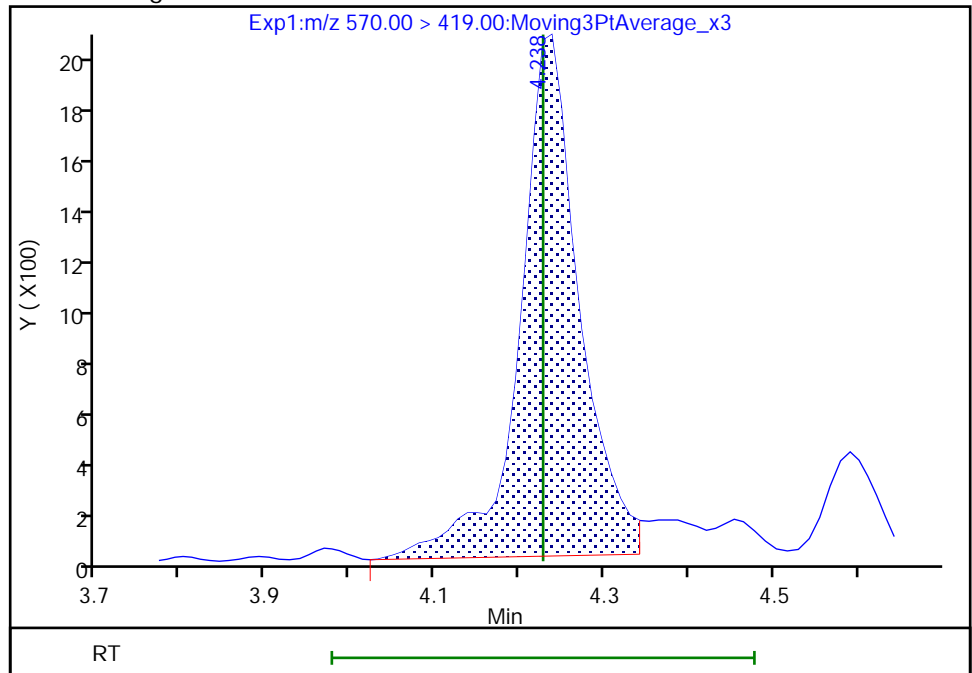
RT: 4.24
Area: 9316
Amount: 0.014803
Amount Units: ng/ml

Processing Integration Results



RT: 4.24
Area: 10172
Amount: 0.017231
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:24:18
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

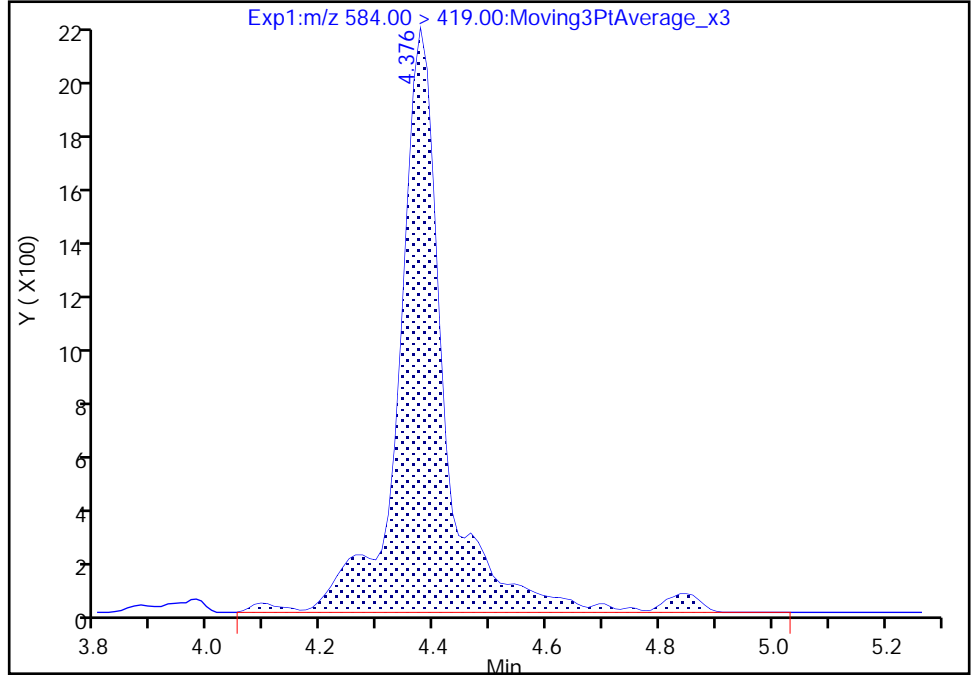
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

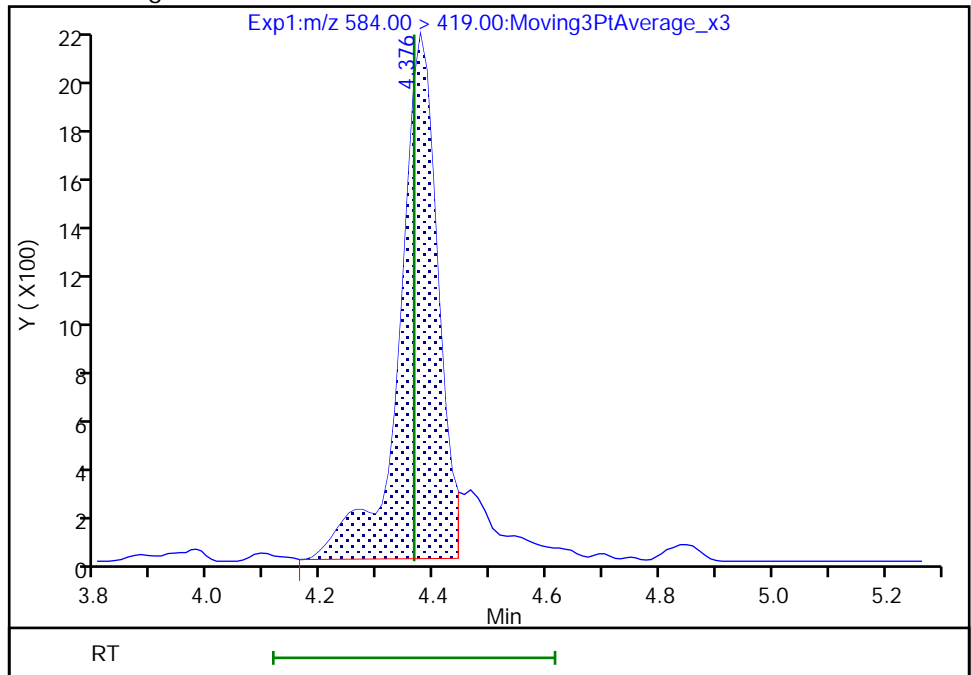
RT: 4.38
Area: 12637
Amount: 0.035132
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 10302
Amount: 0.028856
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:24:55
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

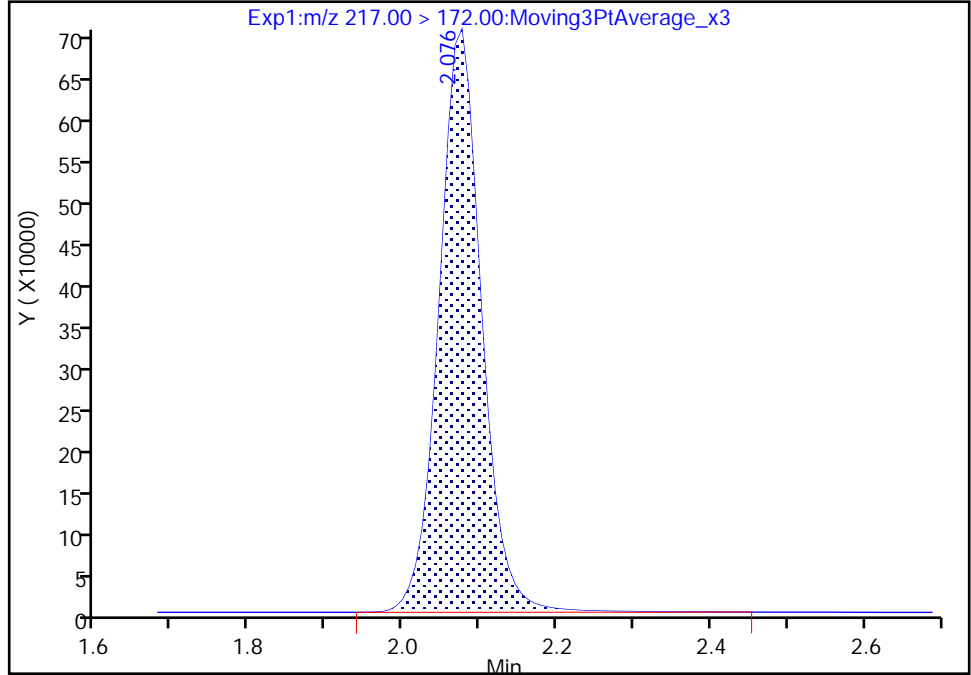
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 1 13C4 PFBA, CAS: STL00992
Signal: 1

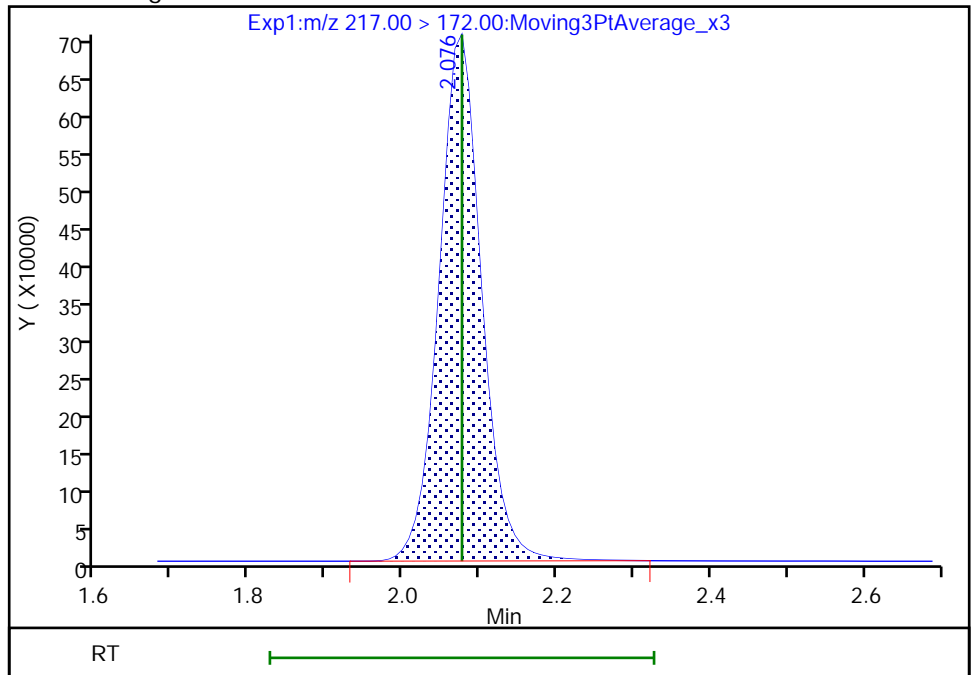
RT: 2.08
Area: 2698297
Amount: 1.324270
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 2690789
Amount: 1.320585
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:20:09
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

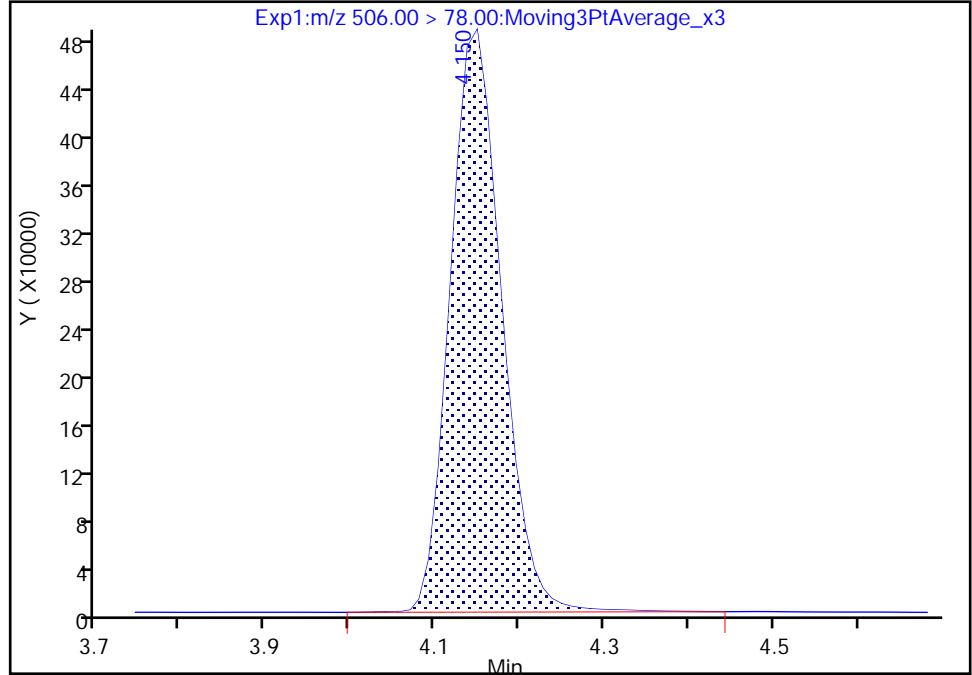
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056
Signal: 1

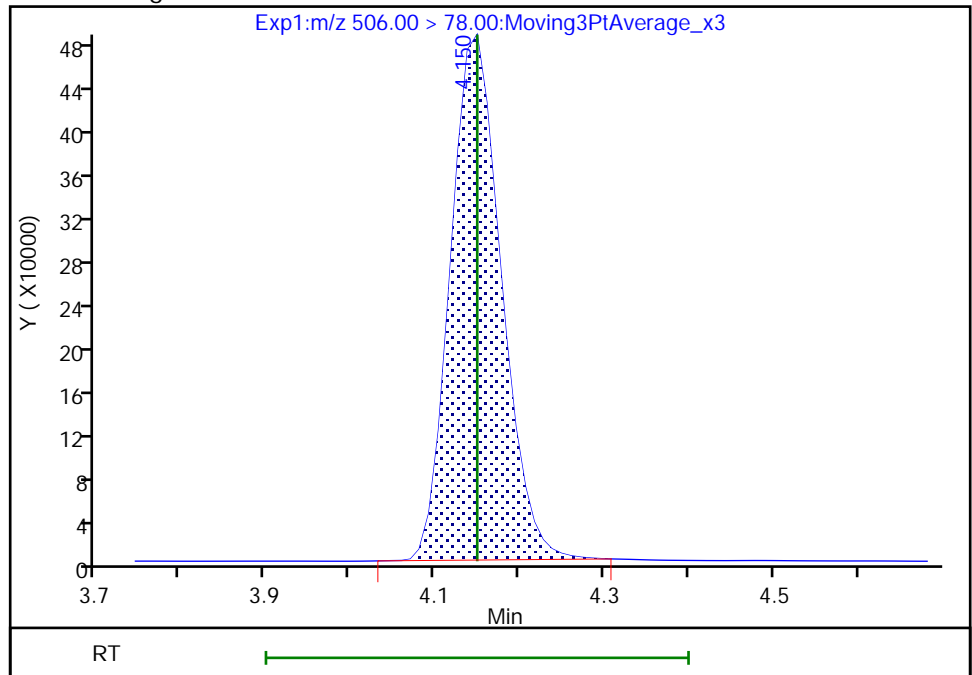
RT: 4.15
Area: 2062770
Amount: 1.351404
Amount Units: ng/ml

Processing Integration Results



RT: 4.15
Area: 2040818
Amount: 1.337023
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:24:03
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

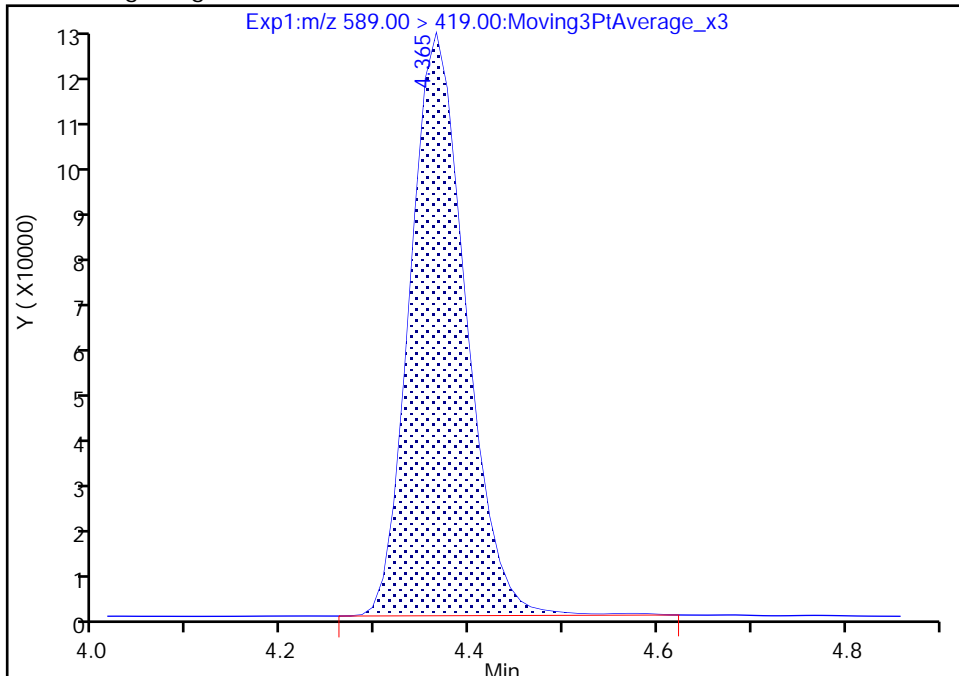
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 32 d5-NEtFOSAA, CAS: STL02117

Signal: 1

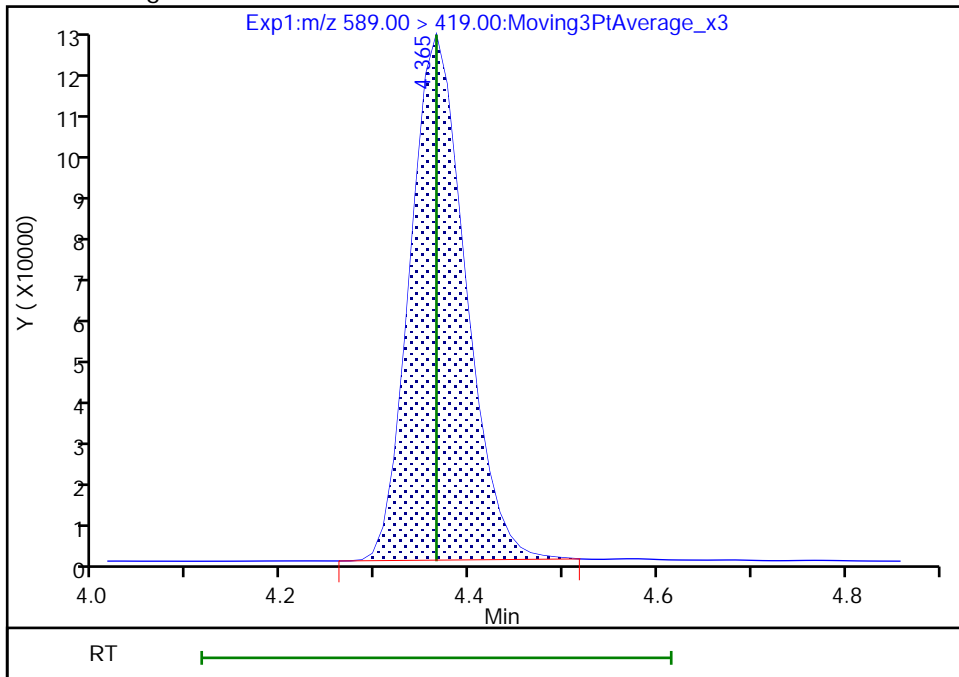
RT: 4.36
Area: 502236
Amount: 1.345514
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 498484
Amount: 1.335462
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:25:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

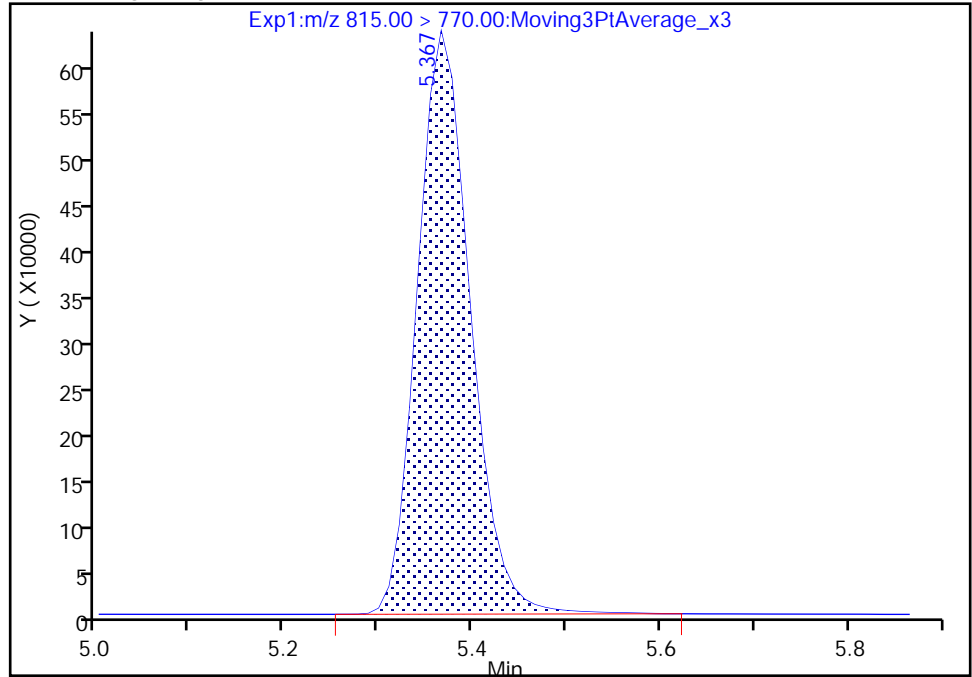
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 44 13C2 PFHxDA, CAS: STL02115
Signal: 1

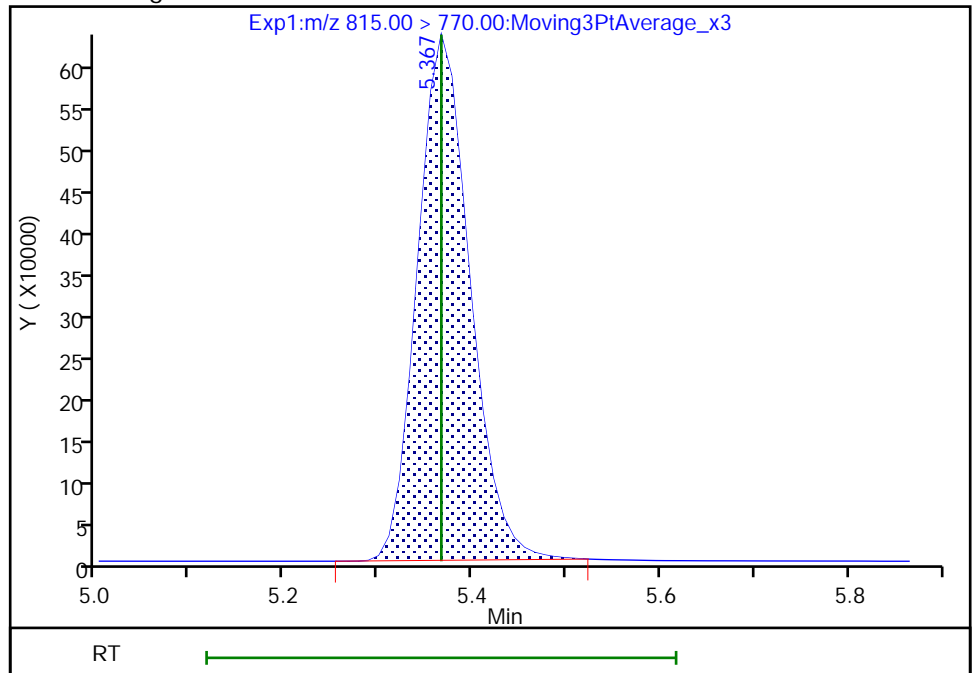
RT: 5.37
Area: 2475462
Amount: 1.332836
Amount Units: ng/ml

Processing Integration Results



RT: 5.37
Area: 2453441
Amount: 1.320980
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:26:42
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 200-186445/2-A
 Matrix: Solid Lab File ID: PA221208A07.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: SHAKE Date Extracted: 12/07/2022 08:59
 Sample wt/vol: 5.00(g) Date Analyzed: 12/08/2022 15:37
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: _____ % Solids: _____ GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186513 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	1.953		0.50	0.33
2706-90-3	Perfluoropentanoic acid (PFPeA)	1.921		0.20	0.055
307-24-4	Perfluorohexanoic acid (PFHxA)	1.955		0.20	0.046
375-85-9	Perfluoroheptanoic acid (PFHpA)	2.040		0.20	0.039
335-67-1	Perfluorooctanoic acid (PFOA)	2.069		0.20	0.058
375-95-1	Perfluorononanoic acid (PFNA)	1.865		0.20	0.034
335-76-2	Perfluorodecanoic acid (PFDA)	1.868		0.20	0.028
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1.979		0.20	0.027
307-55-1	Perfluorododecanoic acid (PFDoA)	1.873		0.20	0.025
72629-94-8	Perfluorotridecanoic acid (PFTriA)	1.854		0.20	0.025
376-06-7	Perfluorotetradecanoic acid (PFTeA)	1.954		0.20	0.026
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.714		0.20	0.033
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.809		0.20	0.041
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	1.881		0.20	0.023
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.737		0.20	0.11
335-77-3	Perfluorodecanesulfonic acid (PFDS)	1.728		0.20	0.019
754-91-6	Perfluorooctanesulfonamide (FOSA)	1.971		0.20	0.034
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.026		2.00	0.11
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.996	J	2.00	0.083
27619-97-2	6:2 FTS	1.894	J	2.00	0.057
39108-34-4	8:2 FTS	1.984	J	2.00	0.037

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 200-186445/2-A
 Matrix: Solid Lab File ID: PA221208A07.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: SHAKE Date Extracted: 12/07/2022 08:59
 Sample wt/vol: 5.00(g) Date Analyzed: 12/08/2022 15:37
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: _____ % Solids: _____ GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186513 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	95		50-150
STL01892	13C4 PFHpA	88		50-150
STL00990	13C4 PFOA	91		50-150
STL00991	13C4 PFOS	97		50-150
STL00995	13C5 PFNA	94		50-150
STL00992	13C4 PFBA	53		50-150
STL00993	13C2 PFHxA	87		50-150
STL00996	13C2 PFDA	99		50-150
STL00997	13C2 PFUnA	93		50-150
STL00998	13C2 PFDoA	89		50-150
STL01056	13C8 FOSA	93		50-150
STL01893	13C5 PFPeA	81		50-150
STL02116	13C2 PFTeDA	79		50-150
STL02118	d3-NMeFOSAA	94		50-150
STL02117	d5-NEtFOSAA	93		50-150
STL02279	M2-6:2 FTS	95		50-150
STL02280	M2-8:2 FTS	95		50-150
STL02337	13C3 PFBS	90		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A07.d
 Lims ID: LCS 200-186445/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 08-Dec-2022 15:37:37 ALS Bottle#: 4 Worklist Smp#: 7
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: LCS 200-186445/2-A
 Misc. Info.: 200-0053607-007 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 13-Dec-2022 09:02:46 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1634
 First Level Reviewer: nampitakw Date: 09-Dec-2022 14:51:00
 Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA	217.00 > 172.00	2.085	2.076	0.009	0.605	1534797	0.6593	52.7	7102	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.076	0.009	1.000	1236512	0.9766		97.7	120	M
D 3 13C5 PFPeA	267.90 > 223.00	2.386	2.387	-0.001	0.692	1799364	1.01	81.2	3972	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.386	2.387	-0.001	1.000	1507107	0.9607		96.1	36.5	M
D 47 13C3 PFBS	301.90 > 80.00	2.400	2.400	0.0	0.696	2023174	1.05	90.3	341435	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.413	2.400	0.013	1.006	1706407	0.8570	Target=2.09	96.9	2662	
298.90 > 99.00	2.413	2.400	0.013	1.006	783957		2.18(1.04-3.13)		515	
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.689	2.689	0.0	1.000	430547	0.9000		96.4	2593	
D 60 M2-4:2 FTS	329.00 > 81.00	2.689	2.689	0.0	0.780	181286	1.07	91.2	182	M
D 7 13C2 PFHxA	315.00 > 270.00	2.725	2.725	0.0	0.790	2029338	1.09	87.4	4053	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.725	2.725	0.0	1.000	1729381	0.9776	Target=14.25	97.8	365	M
313.00 > 119.00	2.725	2.725	0.0	1.000	123951		13.95(7.12-21.37)		261	M
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.737	2.737	0.0	0.887	1652364	0.9314	Target=3.04	99.3	3804	
349.00 > 99.00	2.737	2.737	0.0	0.887	561394		2.94(1.52-4.56)		1027	M
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.835	2.835	0.0	1.000	295670	1.00		99.9	1495	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.835	2.835	0.0	0.822	350228	1.07		85.4	1968	
D 11 18O2 PFHxS										
403.00 > 84.00	3.088	3.088	0.0	0.896	1570886	1.12		94.7	2425	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.088	3.088	0.0	1.000	1356258	0.9046	Target=3.66	99.4	2314	M
399.00 > 99.00	3.088	3.088	0.0	1.000	383740		3.53(1.83-5.49)		440	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.099	3.099	0.0	0.899	2094260	1.10		87.7	3019	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.099	3.099	0.0	1.000	1860523	1.02	Target=3.97	102	426	M
363.00 > 169.00	3.099	3.099	0.0	1.000	451606		4.12(1.98-5.95)		913	M
77 DONA										
377.00 > 251.00	3.132	3.132	0.0	0.834	4532702	0.8943	Target=3.16	94.9	3811	M
377.00 > 85.00	3.132	3.132	0.0	0.834	1433302		3.16(1.58-4.73)		1436	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.430	3.439	-0.009	0.995	266569	1.13		95.4	922	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.430	3.439	-0.009	1.000	454734	0.9471		99.9	1195	M
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.430	3.439	-0.009	0.914	1208894	0.9404	Target=5.14	98.8	2872	M
449.00 > 99.00	3.430	3.439	-0.009	0.914	247275		4.89(2.57-7.72)		838	M
D 14 13C4 PFOA										
417.00 > 372.00	3.448	3.448	0.0	1.000	2430457	1.13		90.5	4461	
* 62 13C2 PFOA										
415.00 > 370.00	3.448	3.448	0.0		2594263	1.25			7282	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.448	3.448	0.0	1.000	2149832	1.03	Target=2.79	103	147	M
413.00 > 169.00	3.448	3.448	0.0	1.000	725940		2.96(1.40-4.19)		957	M
D 18 13C4 PFOS										
503.00 > 80.00	3.754	3.764	-0.010	1.089	1099794	1.16		96.7	3857	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.754	3.764	-0.010	1.000	971975	0.8684	Target=5.11	93.6	796	M
499.00 > 99.00	3.754	3.764	-0.010	1.000	213478		4.55(2.55-7.66)		617	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.773	3.783	-0.010	1.000	1892410	0.9326	Target=8.55	93.3	414	
463.00 > 169.00	3.773	3.783	-0.010	1.000	231555		8.17(4.28-12.83)		2096	
D 19 13C5 PFNA										
468.00 > 423.00	3.773	3.783	-0.010	1.094	2445213	1.17		93.7	4151	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.928	3.928	0.0	1.046	2245142	0.8740		93.8	4878	M
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.050	4.050	0.0	1.079	768528	0.9097	Target=2.53	94.8	3269	
549.00 > 99.00	4.050	4.050	0.0	1.079	314609		2.44(1.27-3.80)		1614	M
D 23 13C2 PFDA										
515.00 > 470.00	4.081	4.081	0.0	1.184	2643221	1.24		99.4	5766	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										
513.00 > 469.00	4.081	4.081	0.0	1.000	2141557	0.9339	Target=10.26	93.4	843	
513.00 > 169.00	4.081	4.081	0.0	1.000	206918		10.35(5.13-15.38)		526	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.081	4.093	-0.012	1.184	328057	1.14		95.2	1259	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.081	4.093	-0.012	1.000	439458	0.99		104	1950	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.138	4.150	-0.012	1.000	1662355	0.9855		98.5	2265	M
D 21 13C8 FOSA										
506.00 > 78.00	4.138	4.150	-0.012	1.200	2018337	1.16		92.6	1616	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.217	4.228	-0.011	1.223	508942	1.18		94.0	570	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.228	4.228	0.0	1.002	358835	1.01		101	696	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.319	4.331	-0.012	1.151	576447	0.8642	Target=2.51	89.6	2476	
599.00 > 99.00	4.319	4.331	-0.012	1.151	228783		2.52(1.25-3.76)		2015	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.353	4.353	0.0	1.263	2259572	1.16		92.8	5956	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.353	4.353	0.0	1.000	1802320	0.9893	Target=9.88	98.9	793	
563.00 > 169.00	4.353	4.353	0.0	1.000	173500		10.39(4.94-14.82)		761	
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.365	4.365	0.0	1.003	353297	1.00		99.8	903	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.353	4.365	-0.012	1.263	494331	1.16		92.7	1098	
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.443	4.454	-0.011	1.183	3139212	0.7928		84.2	4742	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.591	4.591	0.0	1.000	1755275	0.9367	Target=7.77	93.7	136	M
613.00 > 169.00	4.591	4.591	0.0	1.000	230352		7.62(3.89-11.66)		770	
D 36 13C2 PFDaA										
615.00 > 570.00	4.591	4.591	0.0	1.332	2210895	1.11		89.1	3744	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.602	4.612	-0.010	1.128	229883	0.8636		89.6	2808	
75 Perfluorododecanesulfonic acid (
699.00 > 80.00	4.767	4.776	-0.009	1.270	230960	0.8184	Target=0.50	84.5	2522	M
699.00 > 99.00	4.767	4.776	-0.009	1.270	420251		0.55(0.25-0.76)		1838	M
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.804	4.804	0.0	1.046	1661334	0.9270	Target=5.21	92.7	135	
663.00 > 169.00	4.804	4.804	0.0	1.046	306262		5.42(2.60-7.81)		1207	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.002	5.012	-0.010	1.000	181689	0.9769	Target=0.89	97.7	918	M
713.00 > 219.00	5.002	5.012	-0.010	1.000	188077		0.97(0.44-1.33)		778	M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.002	5.012	-0.010	1.451	1698139	0.9893		79.1	5015	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.367	5.367	0.0	1.000	1273710	0.9895	Target=5.65	99.0	130	M
813.00 > 169.00	5.367	5.367	0.0	1.000	209209		6.09(2.82-8.47)		1026	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.367	5.367	0.0	1.557	1720128	0.8106		64.8	3520	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.722	5.722	0.0	1.066	952143	0.8401	Target=6.24	84.0	134	M
913.00 > 169.00	5.713	5.722	-0.009	1.065	149373		6.37(3.12-9.36)		791	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A07.d

Injection Date: 08-Dec-2022 15:37:37

Instrument ID: LC812

Lims ID: LCS 200-186445/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#: 4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

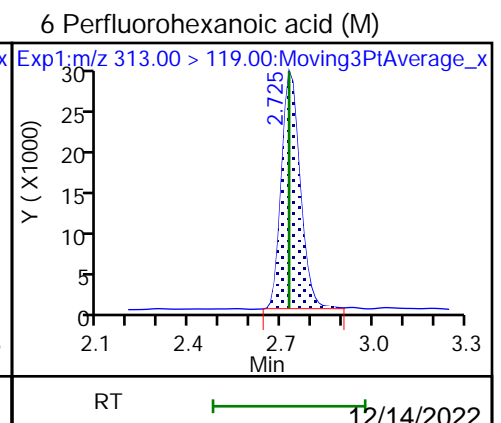
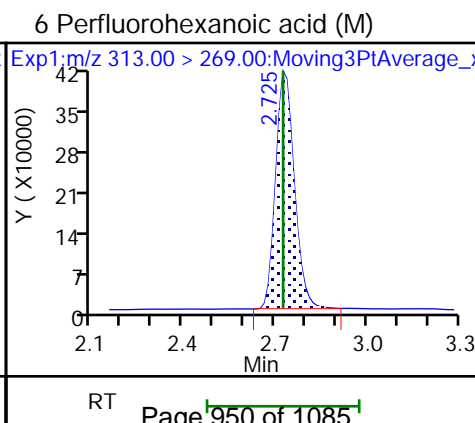
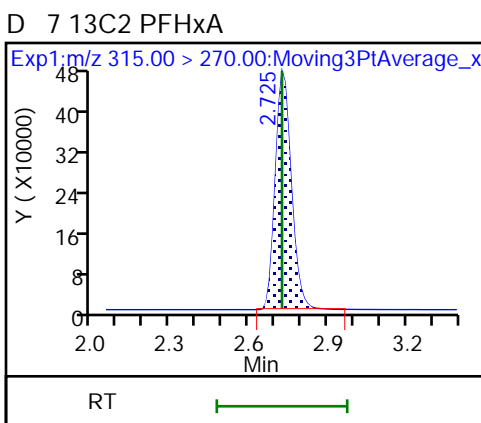
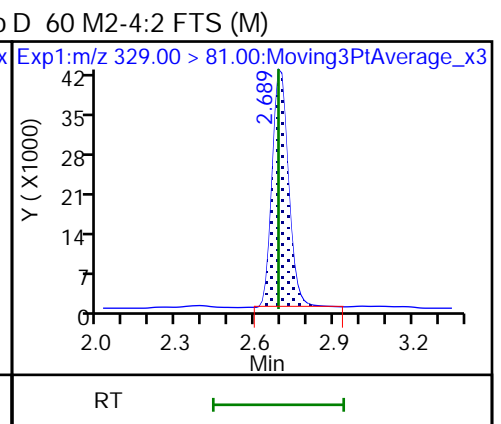
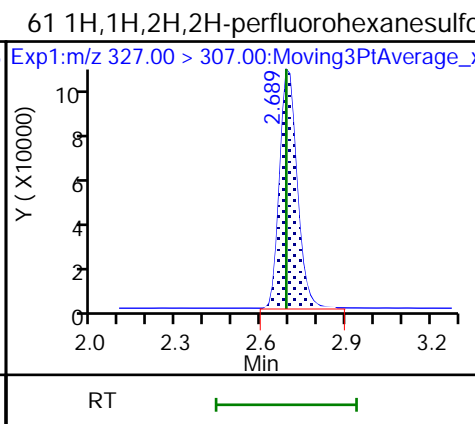
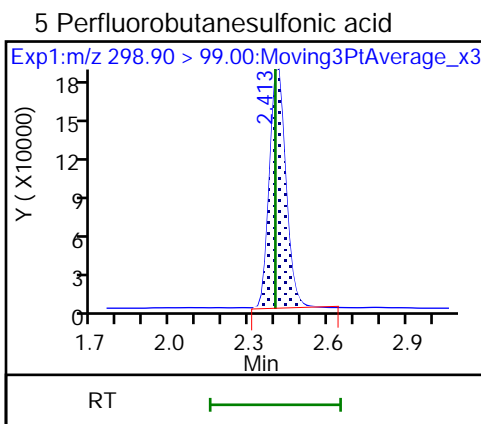
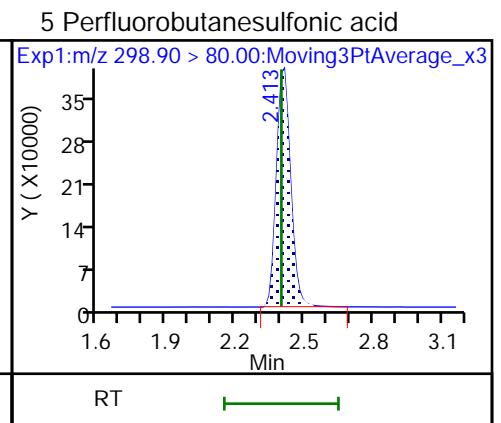
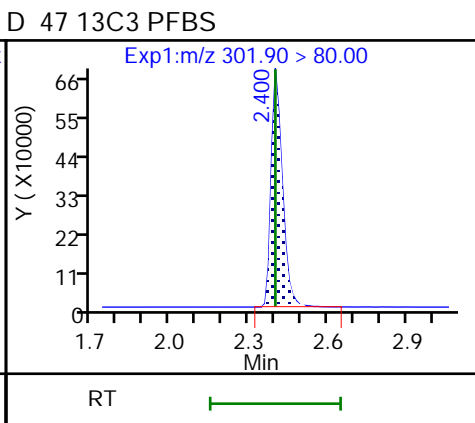
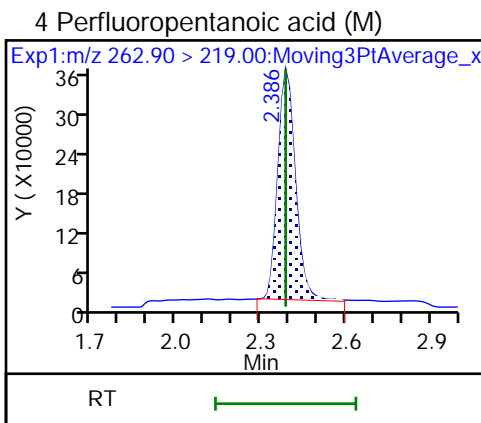
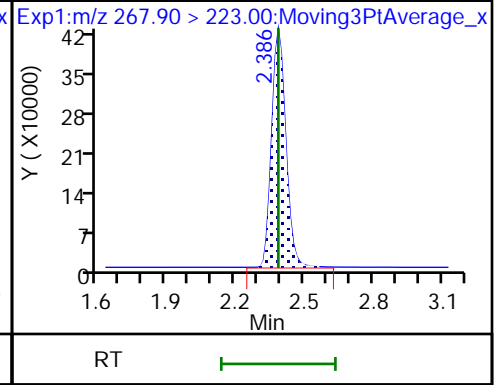
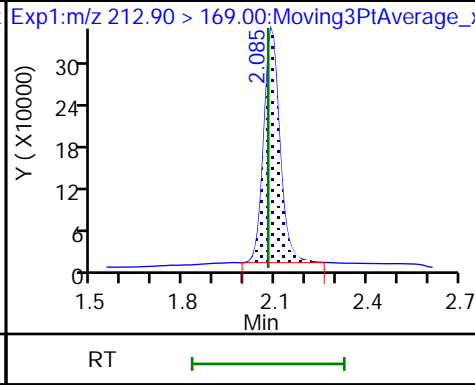
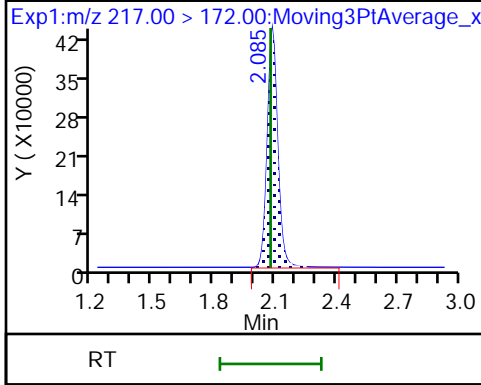
Method: PFC_LC812

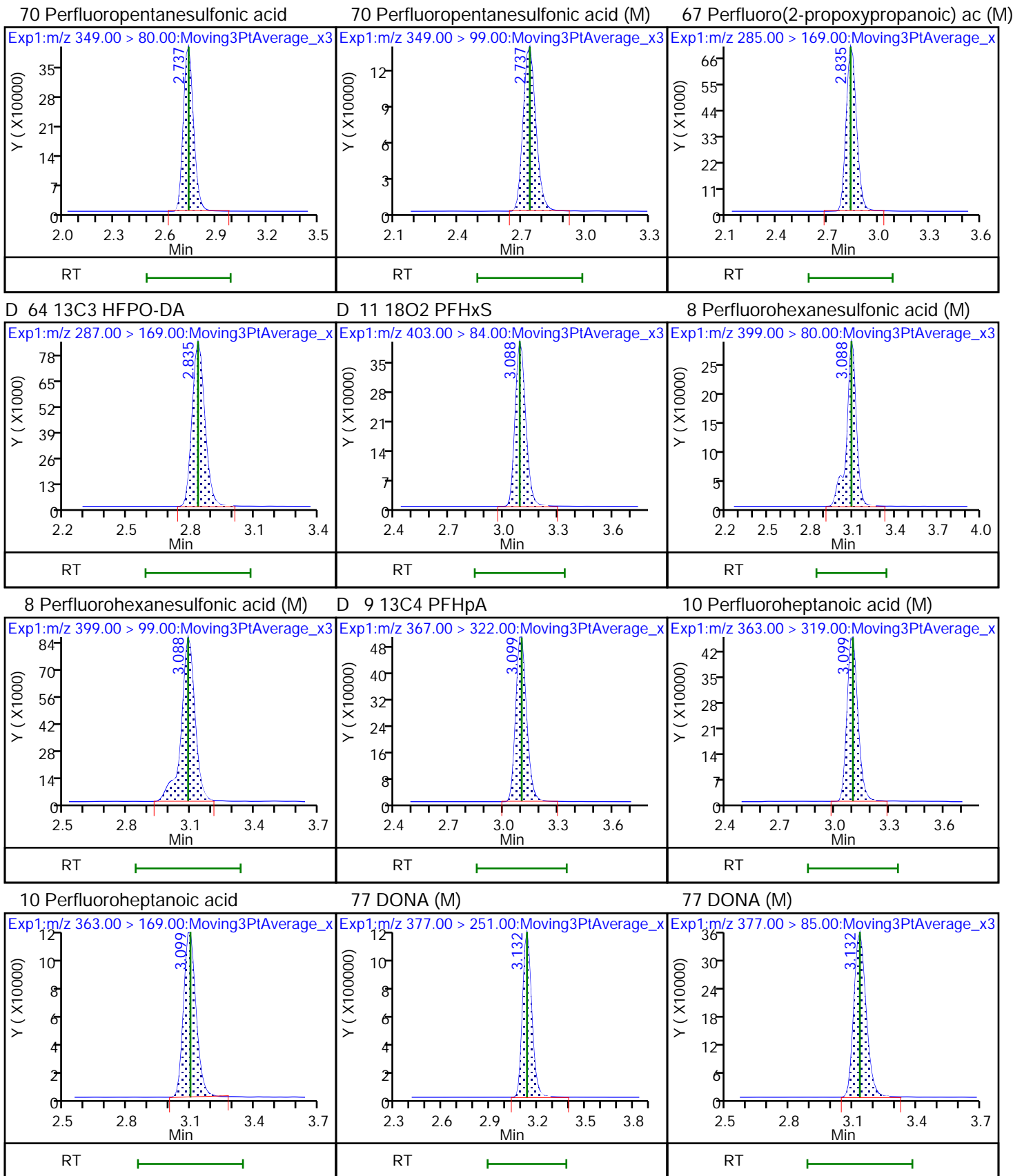
Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

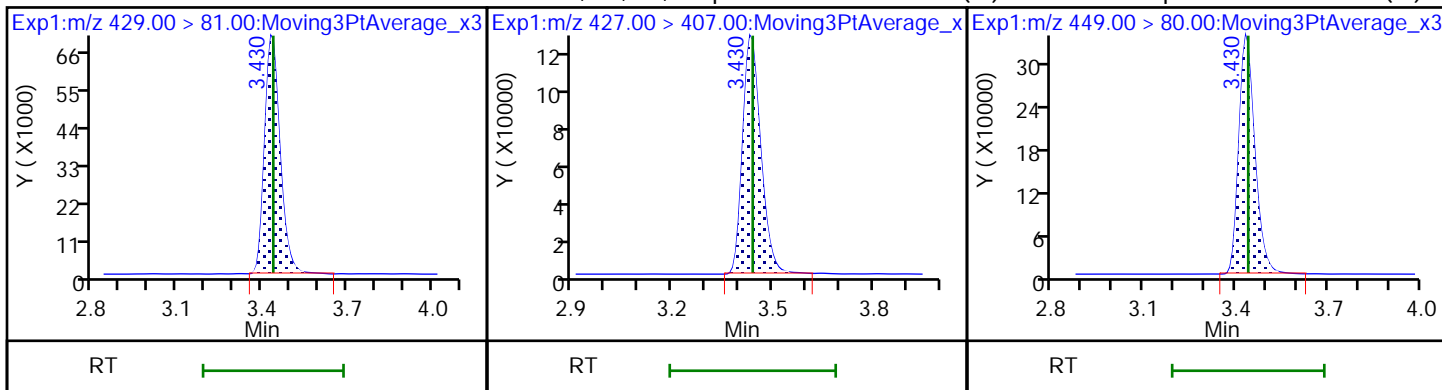
D 3 13C5 PFPeA





D 12 M2-6:2 FTS

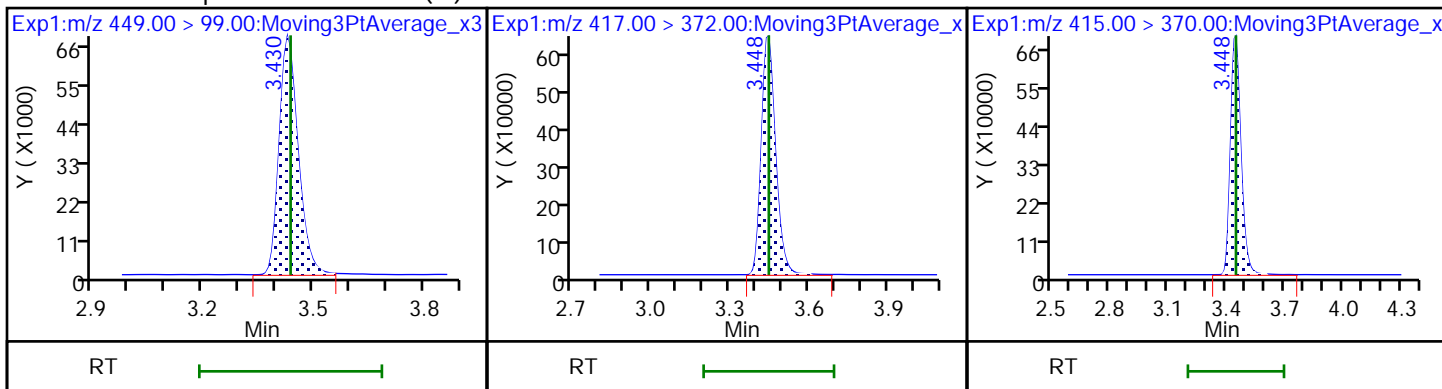
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 6 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

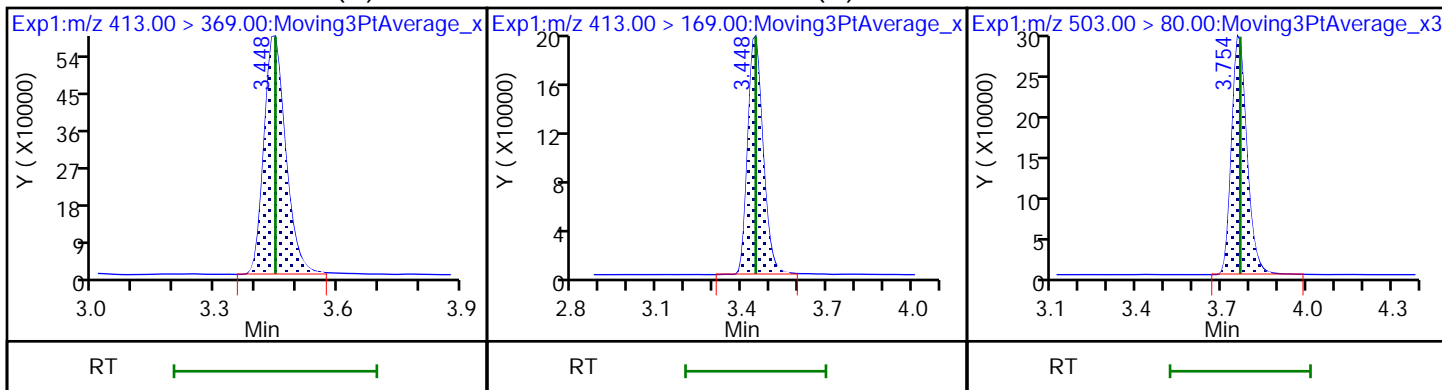
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

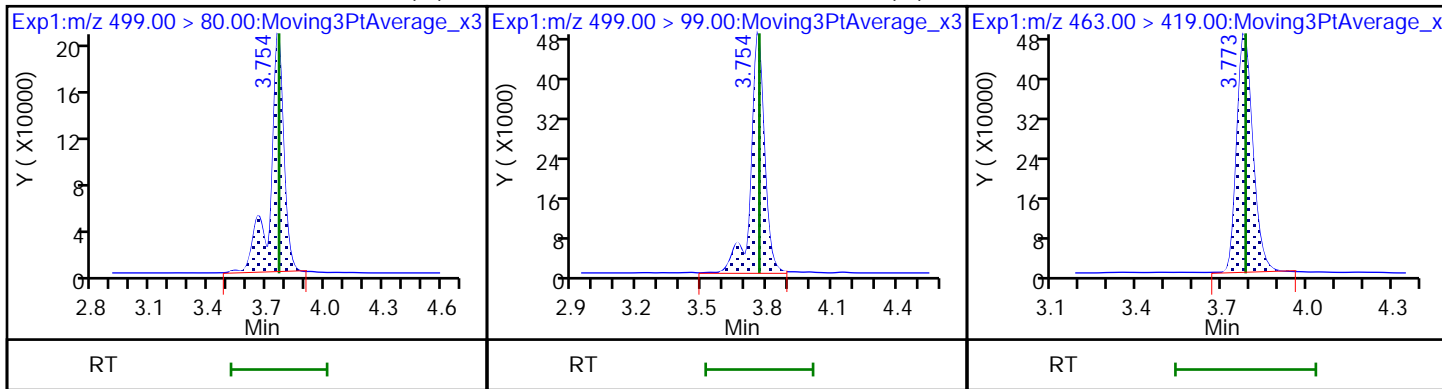
D 18 13C4 PFOS

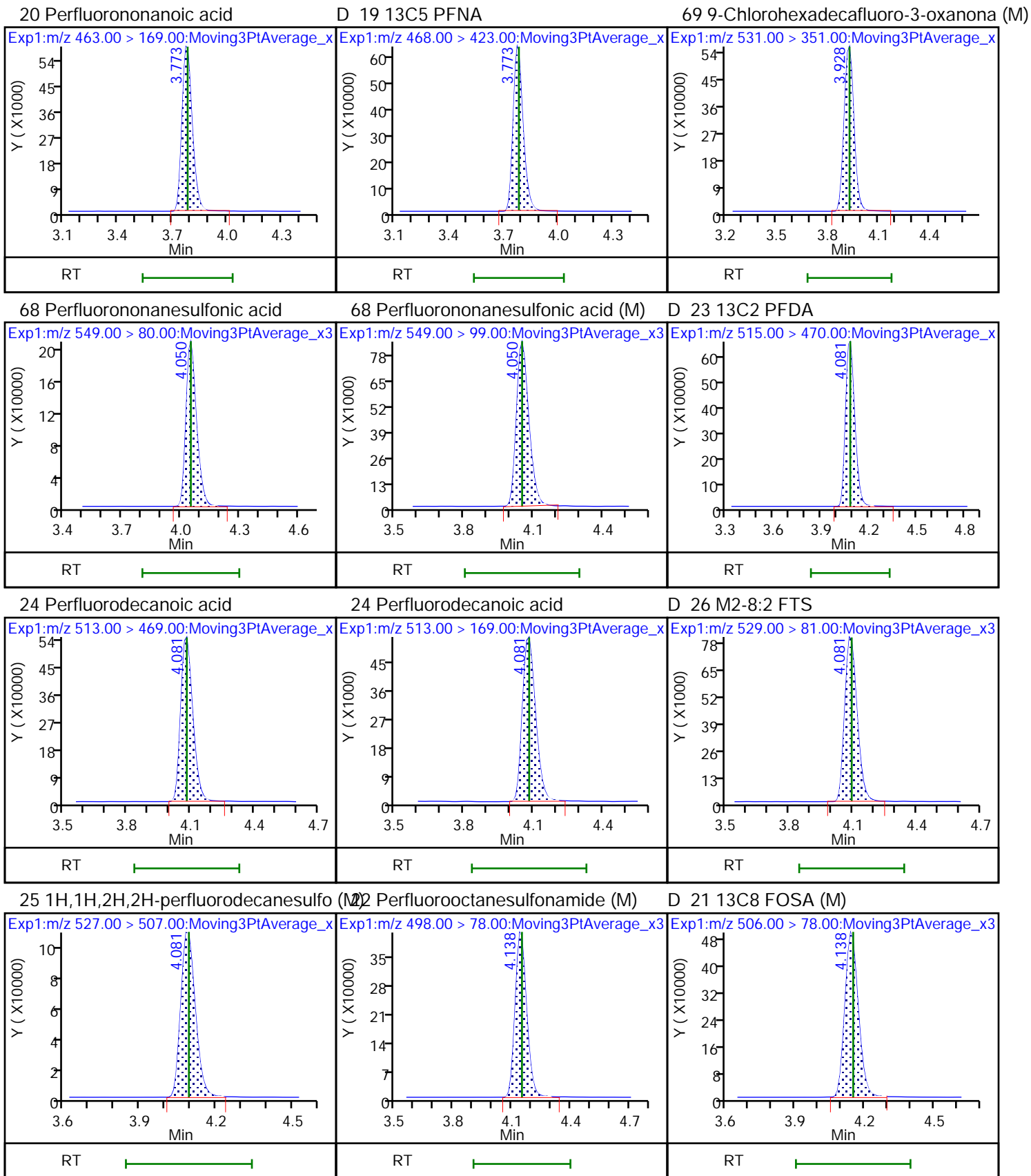


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid

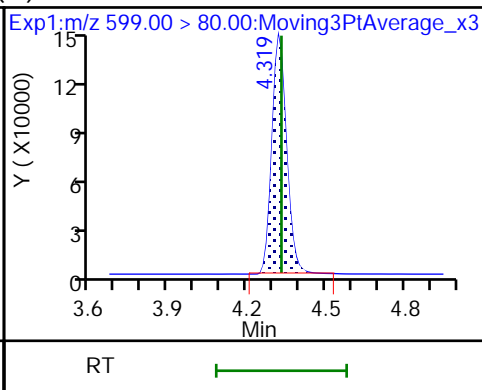
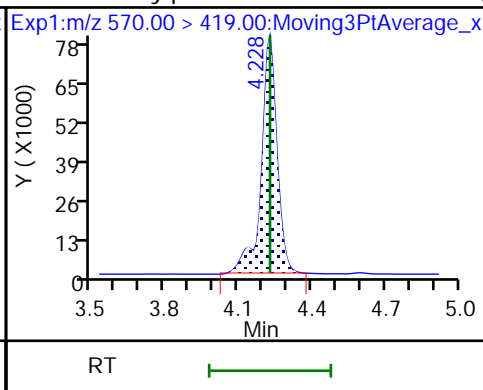
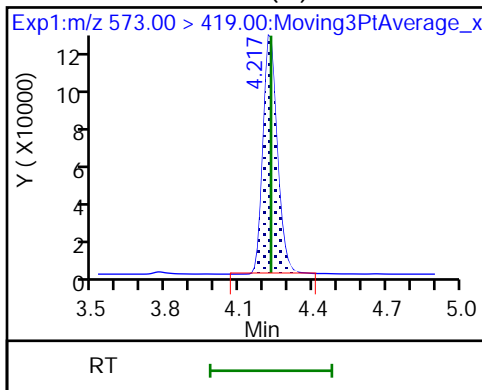




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

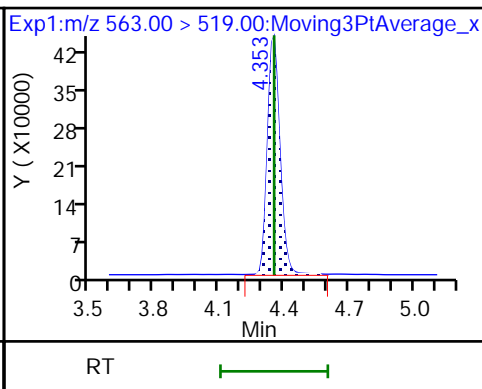
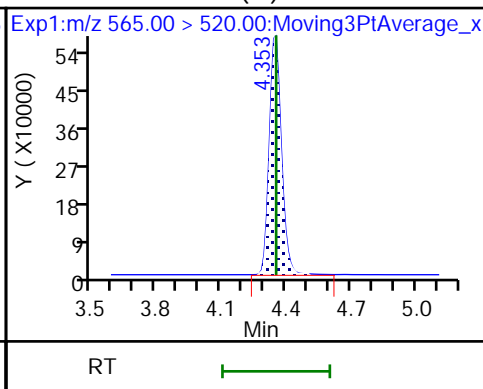
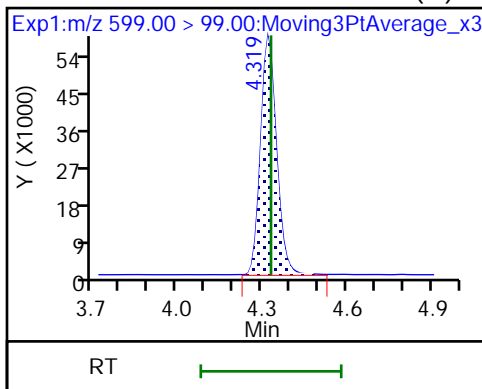
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUnA (M)

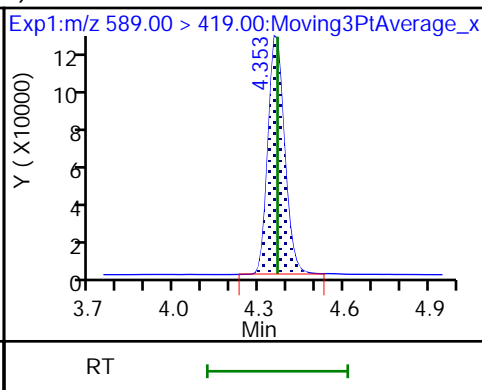
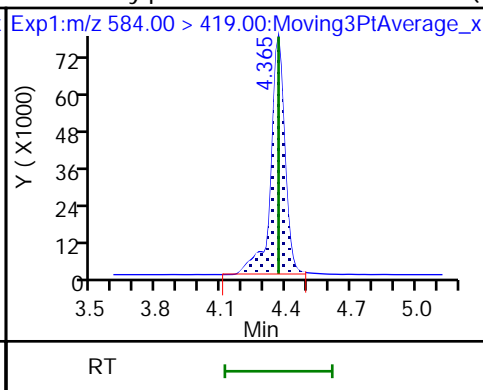
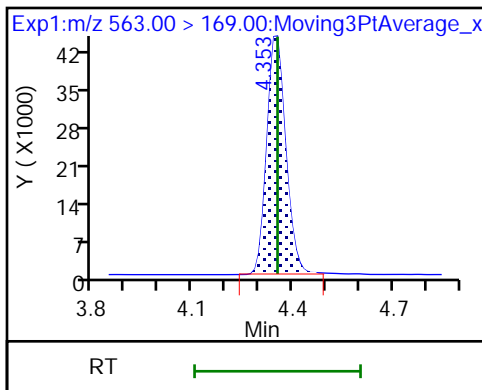
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid

33 N-ethylperfluorooctanesulfonamid (M)

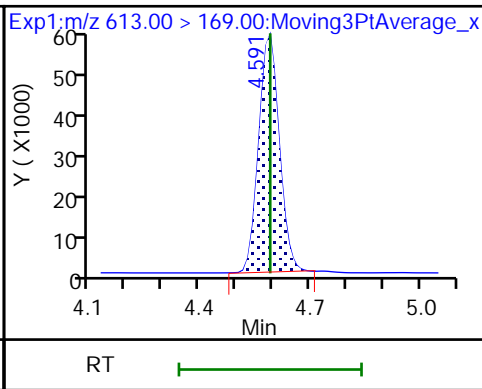
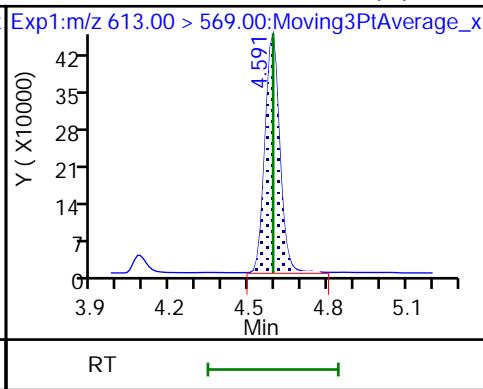
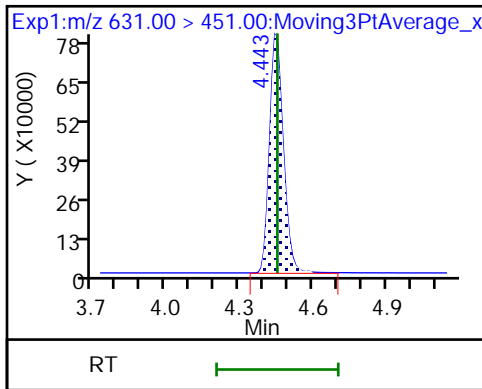
32 d5-NEtFOSAA



66 11-Chloroeicosafuoro-3-oxaundec

37 Perfluorododecanoic acid (M)

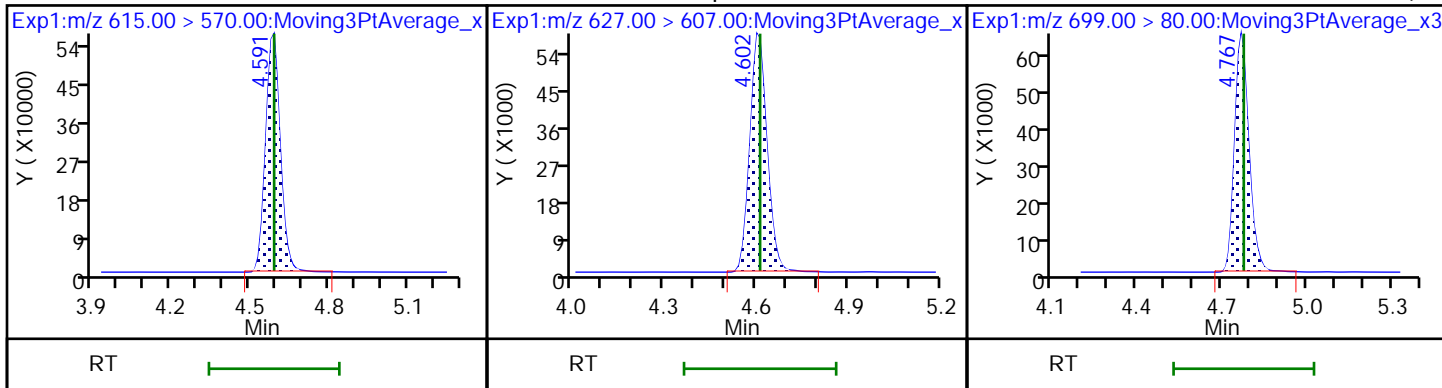
37 Perfluorododecanoic acid



D 36 13C2 PFDoA

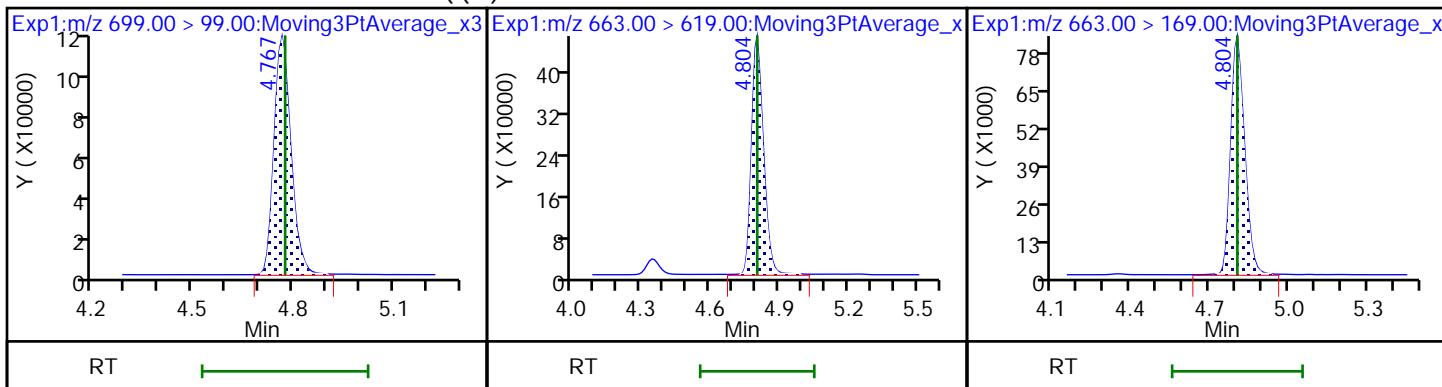
74 1H,1H,2H,2H-perfluorododecanesul

75 Perfluorododecanesulfonic acid (



75 Perfluorododecanesulfonic acid ((M) 41 Perfluorotridecanoic acid

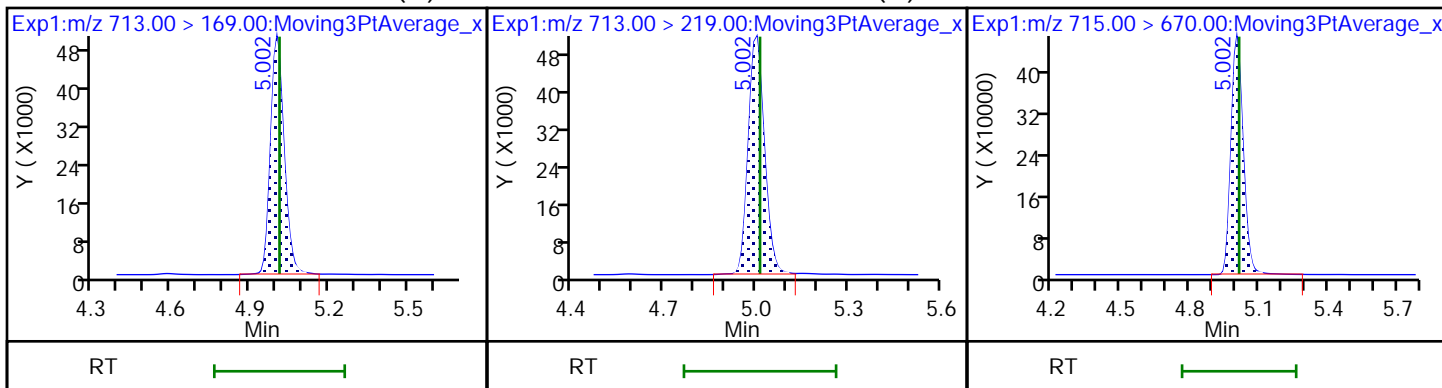
41 Perfluorotridecanoic acid



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

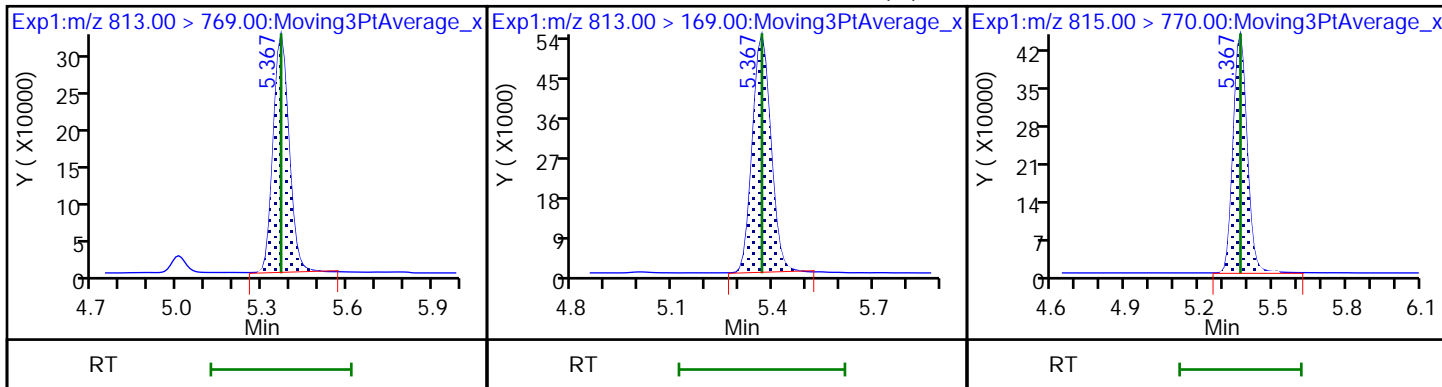
D 43 13C2 PFTeDA



45 Perfluorohexadecanoic acid

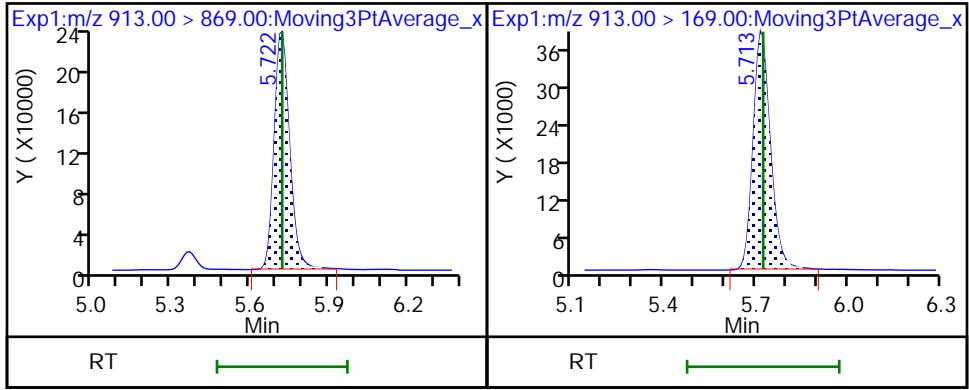
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

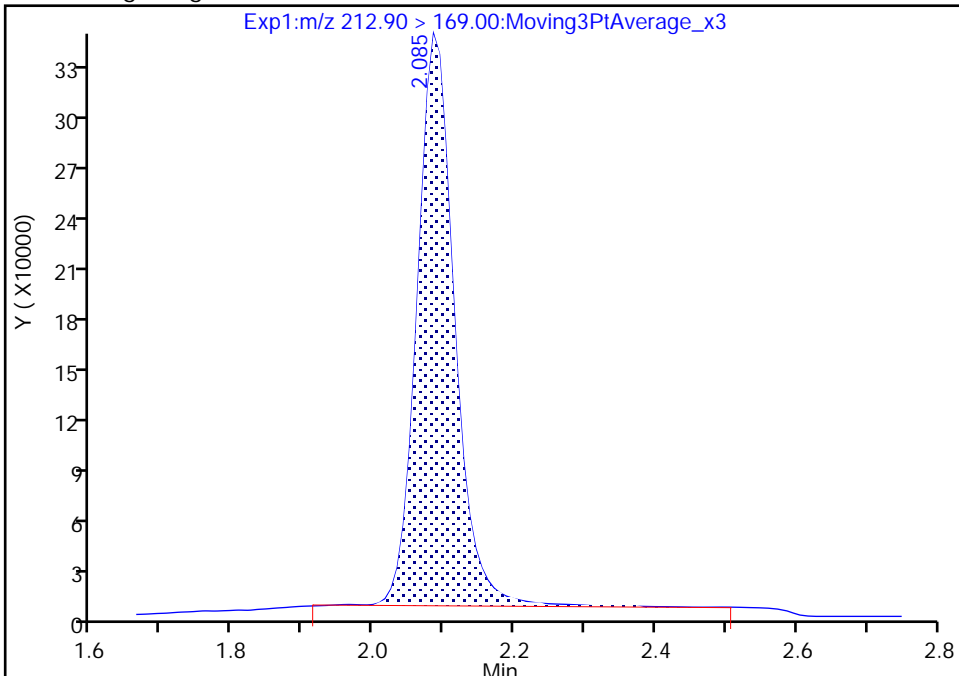
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A07.d
Injection Date: 08-Dec-2022 15:37:37 Instrument ID: LC812
Lims ID: LCS 200-186445/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

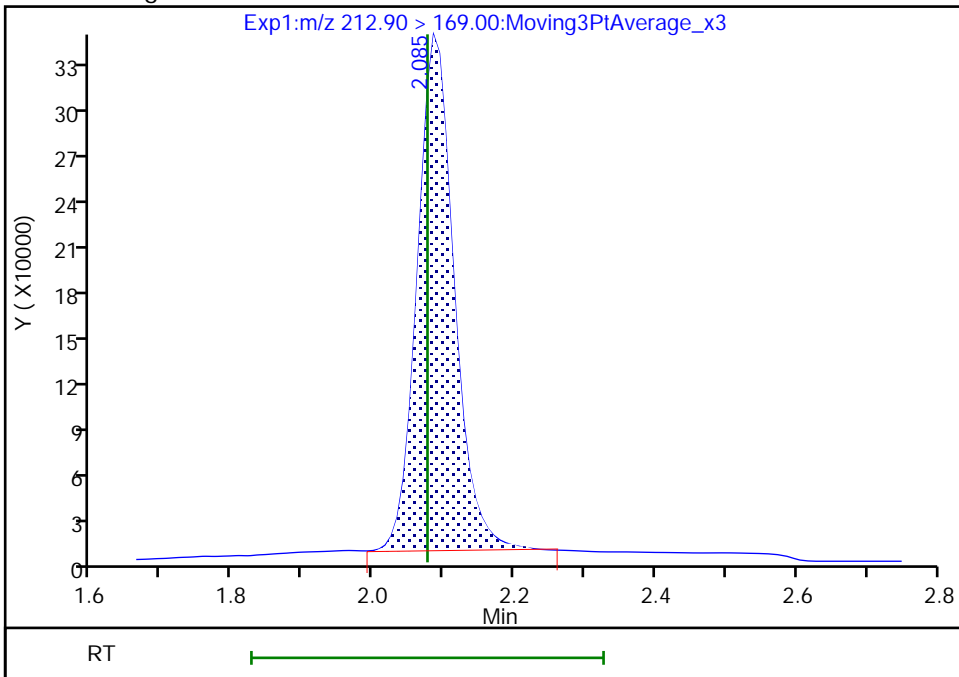
RT: 2.08
Area: 1264525
Amount: 0.998723
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 1236512
Amount: 0.976599
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:46:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

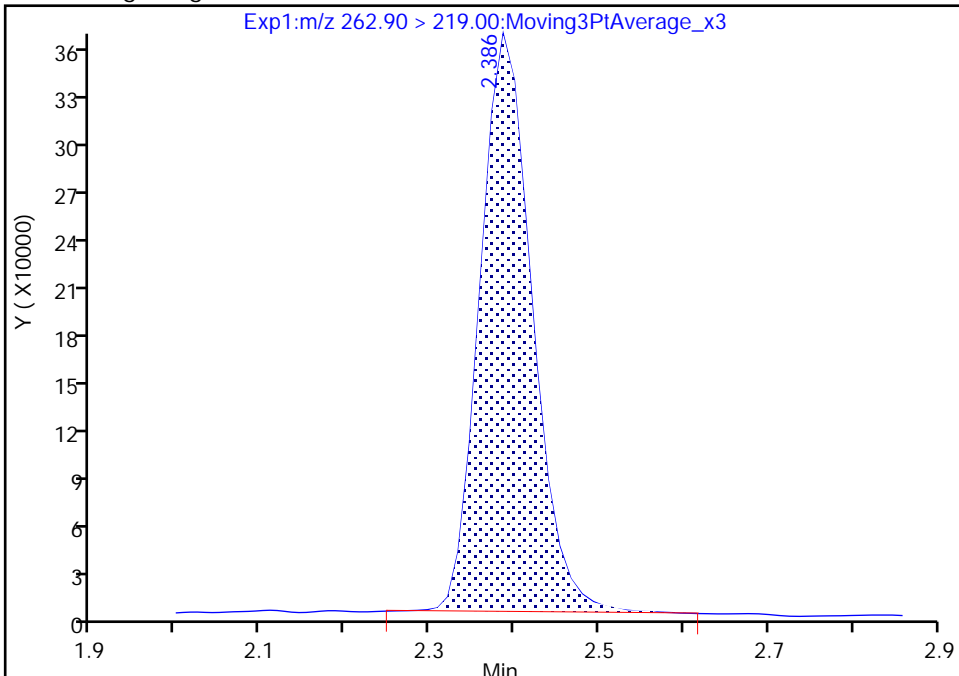
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A07.d
Injection Date: 08-Dec-2022 15:37:37 Instrument ID: LC812
Lims ID: LCS 200-186445/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

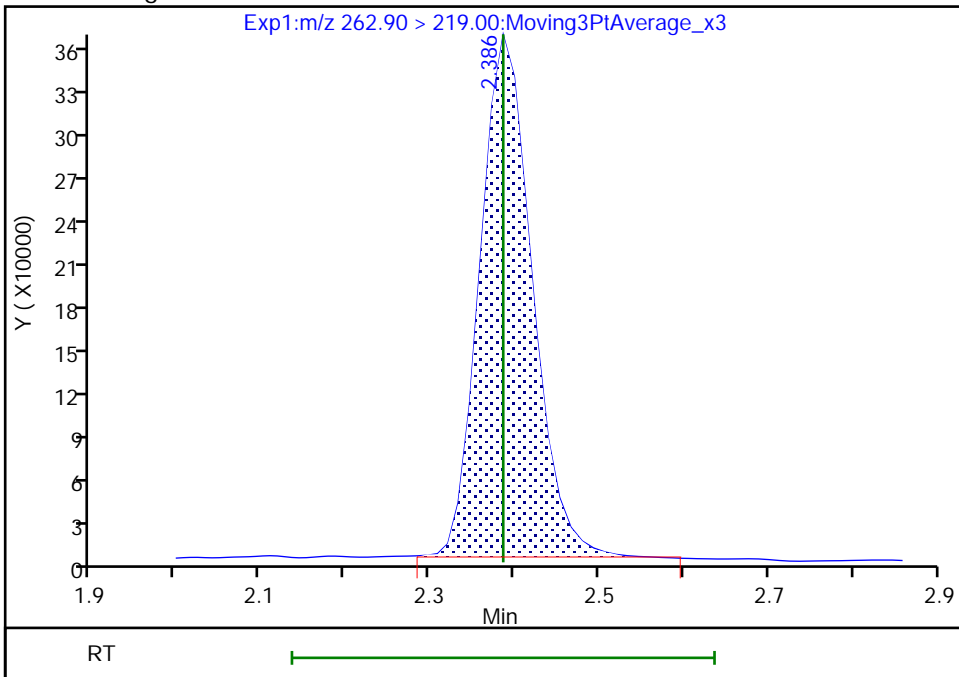
RT: 2.39
Area: 1515429
Amount: 0.965983
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 1507107
Amount: 0.960678
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:46:21
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

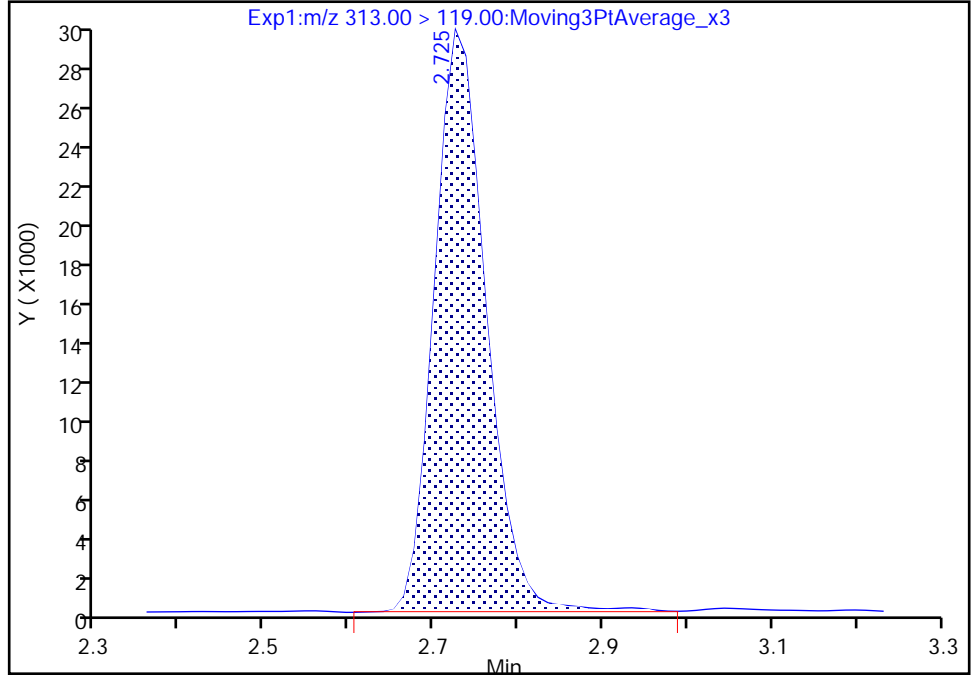
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A07.d
Injection Date: 08-Dec-2022 15:37:37 Instrument ID: LC812
Lims ID: LCS 200-186445/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

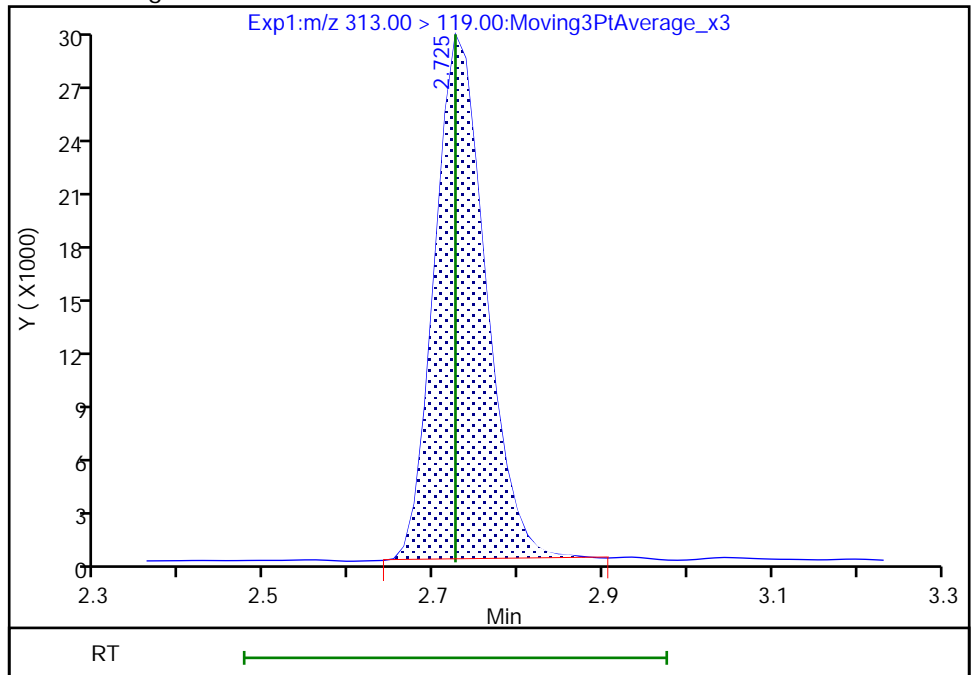
RT: 2.73
Area: 125945
Amount: 0.985167
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 123951
Amount: 0.977631
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:46:33
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

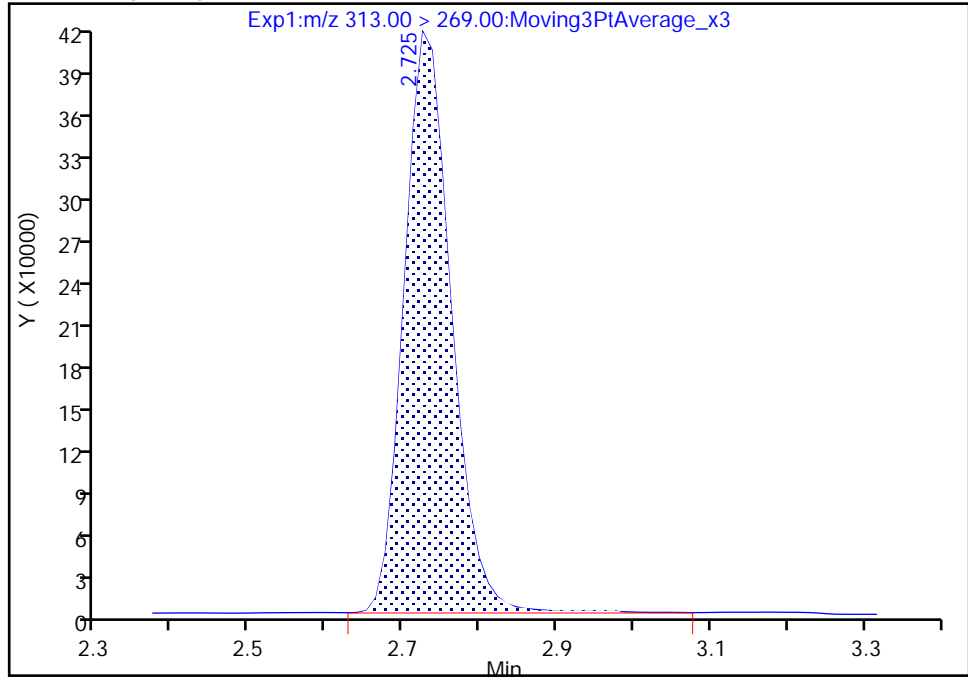
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Injection Date: 08-Dec-2022 15:37:37 Instrument ID: LC812
Lims ID: LCS 200-186445/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

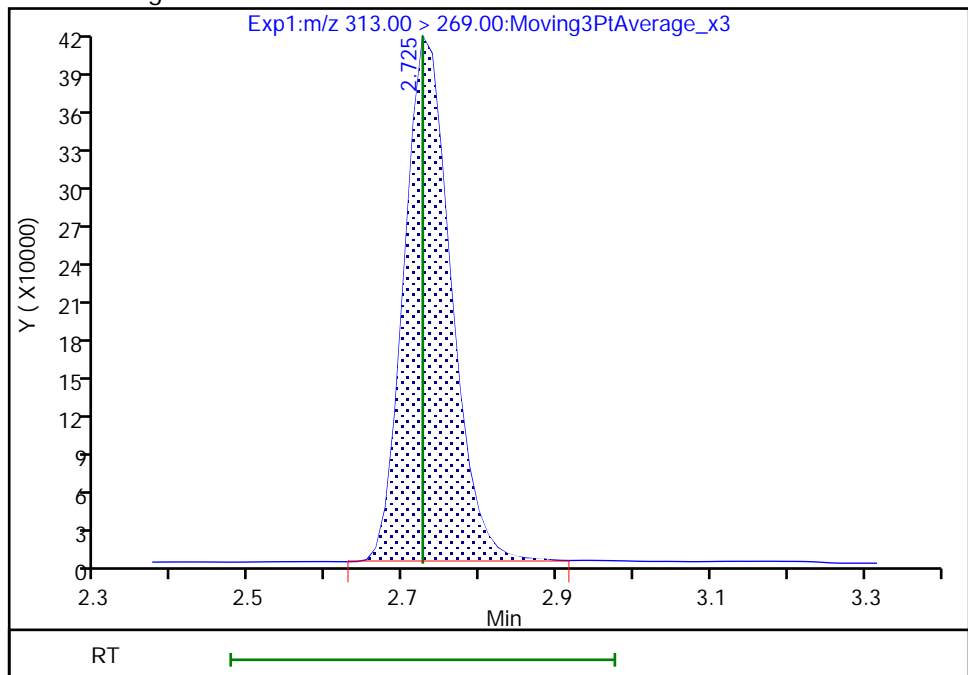
RT: 2.73
Area: 1742711
Amount: 0.985167
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 1729381
Amount: 0.977631
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:46:38

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

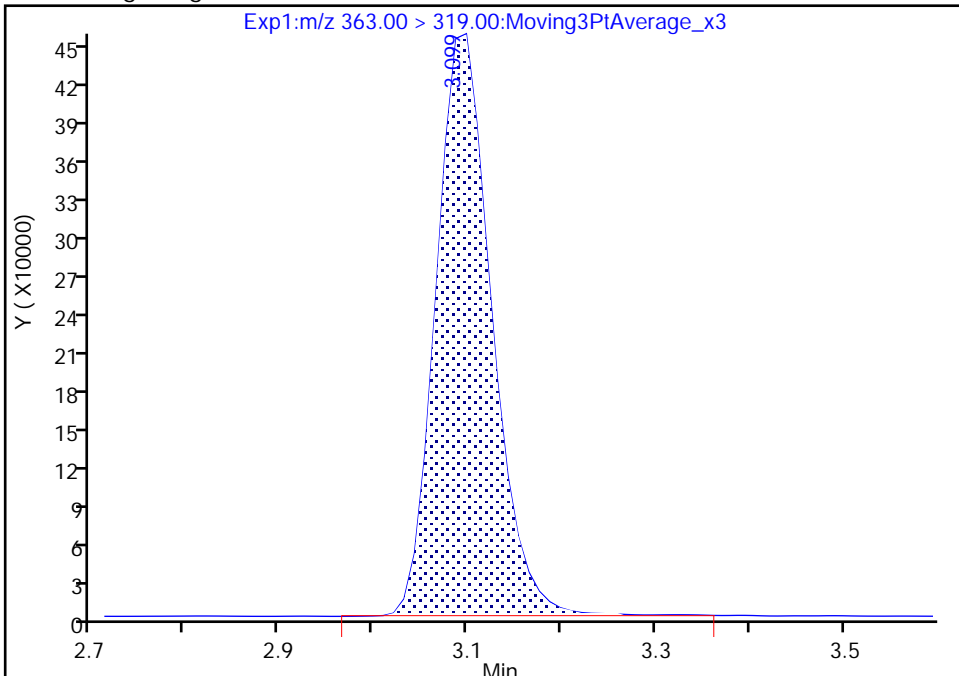
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A07.d
Injection Date: 08-Dec-2022 15:37:37 Instrument ID: LC812
Lims ID: LCS 200-186445/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

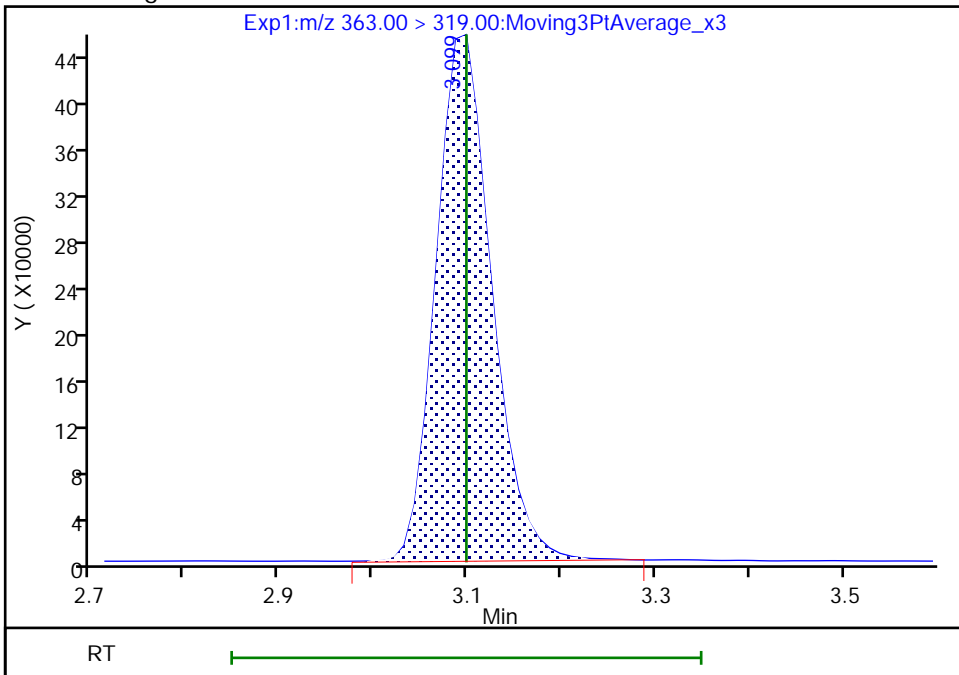
RT: 3.10
Area: 1867468
Amount: 1.023744
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 1860523
Amount: 1.019937
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:47:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

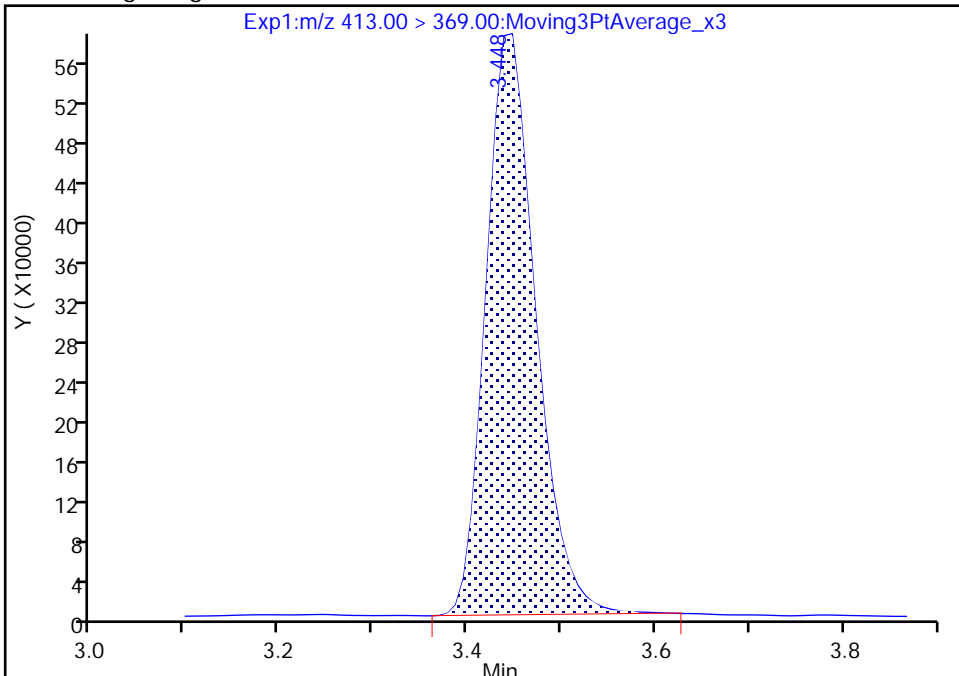
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A07.d
Injection Date: 08-Dec-2022 15:37:37 Instrument ID: LC812
Lims ID: LCS 200-186445/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

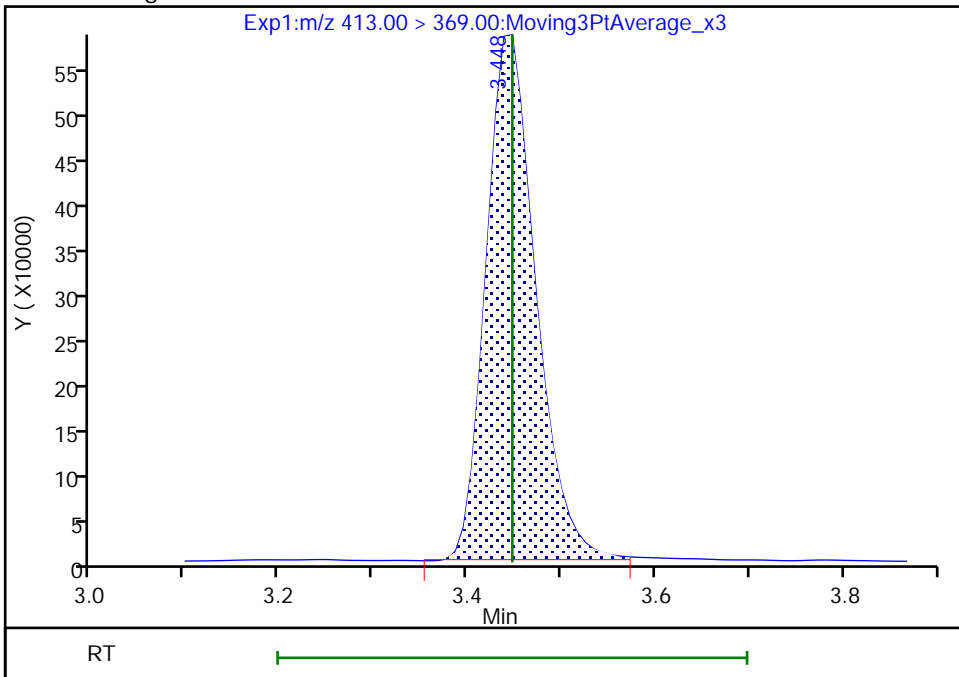
RT: 3.45
Area: 2145683
Amount: 1.032273
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 2149832
Amount: 1.034269
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:48:24
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

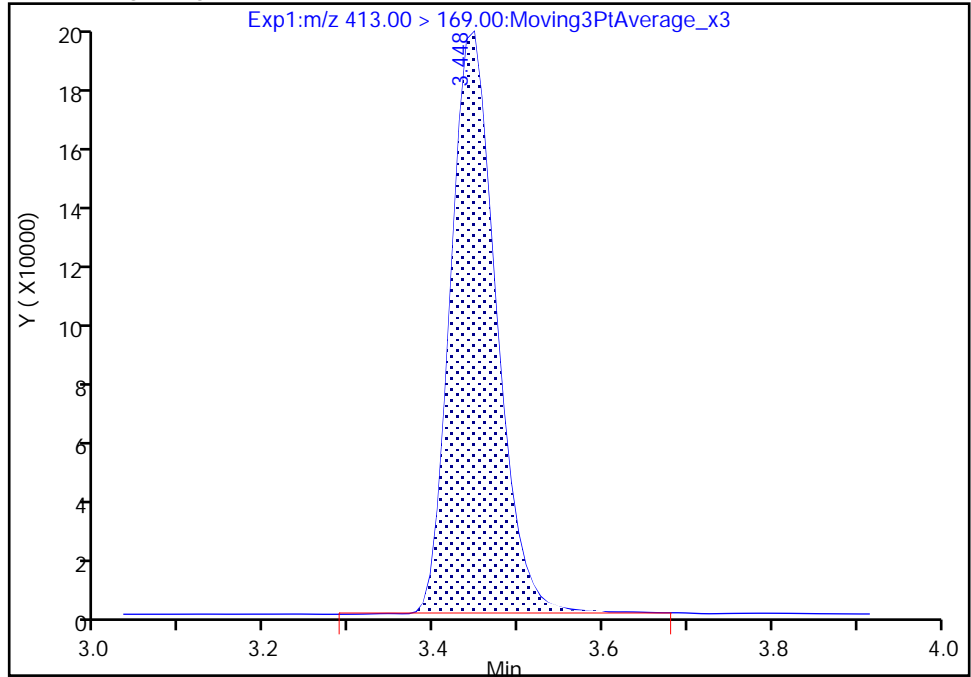
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A07.d
Injection Date: 08-Dec-2022 15:37:37 Instrument ID: LC812
Lims ID: LCS 200-186445/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

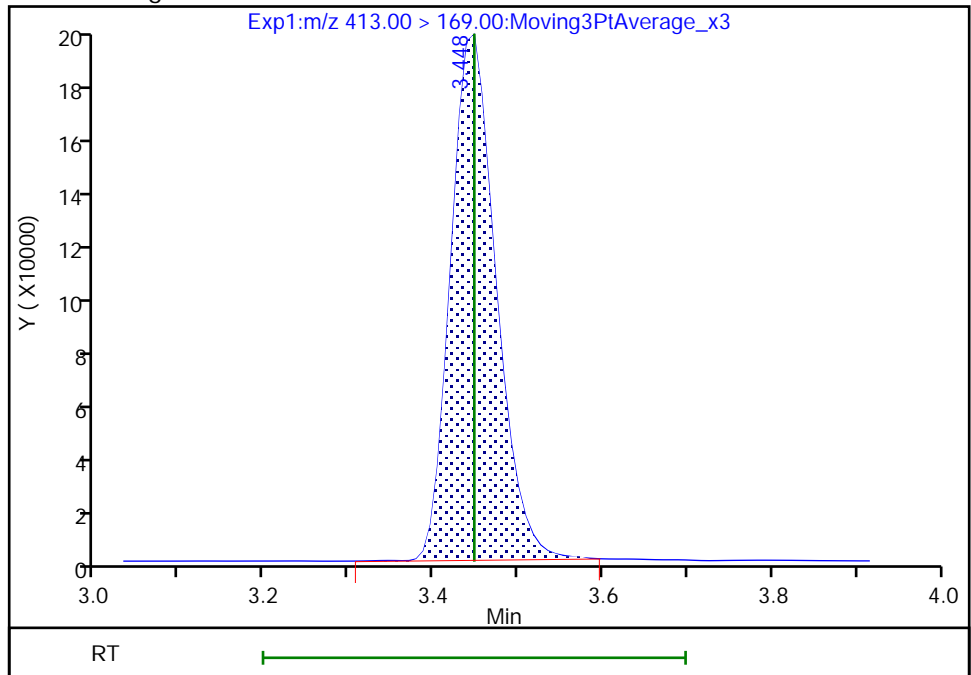
RT: 3.45
Area: 727413
Amount: 1.032273
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 725940
Amount: 1.034269
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 14:48:25

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

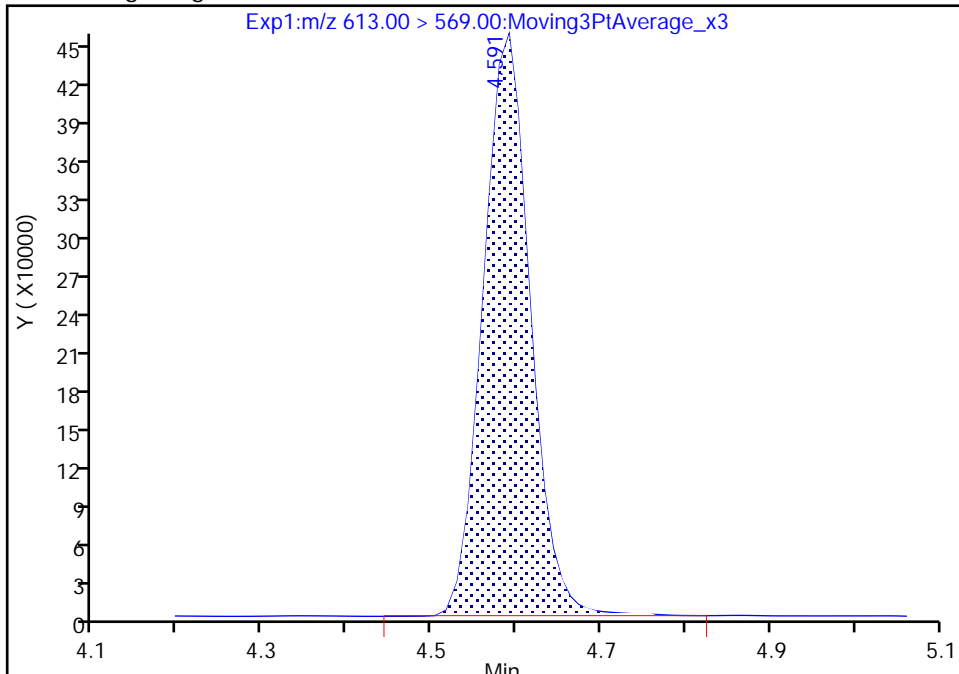
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A07.d
Injection Date: 08-Dec-2022 15:37:37 Instrument ID: LC812
Lims ID: LCS 200-186445/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

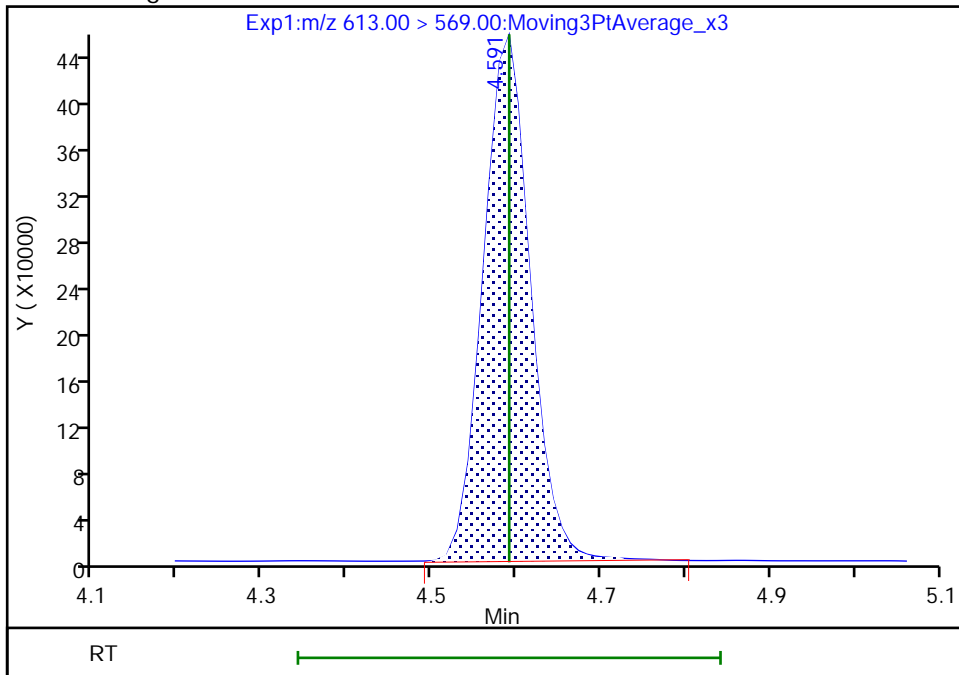
RT: 4.59
Area: 1757431
Amount: 0.937854
Amount Units: ng/ml

Processing Integration Results



RT: 4.59
Area: 1755275
Amount: 0.936703
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:50:20
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

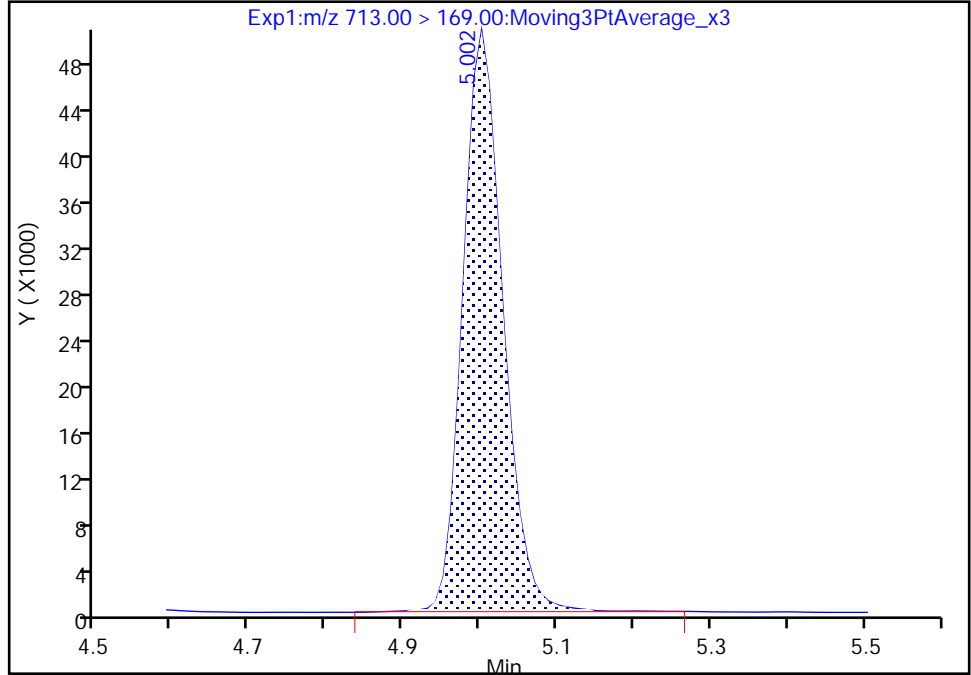
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A07.d
Injection Date: 08-Dec-2022 15:37:37 Instrument ID: LC812
Lims ID: LCS 200-186445/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

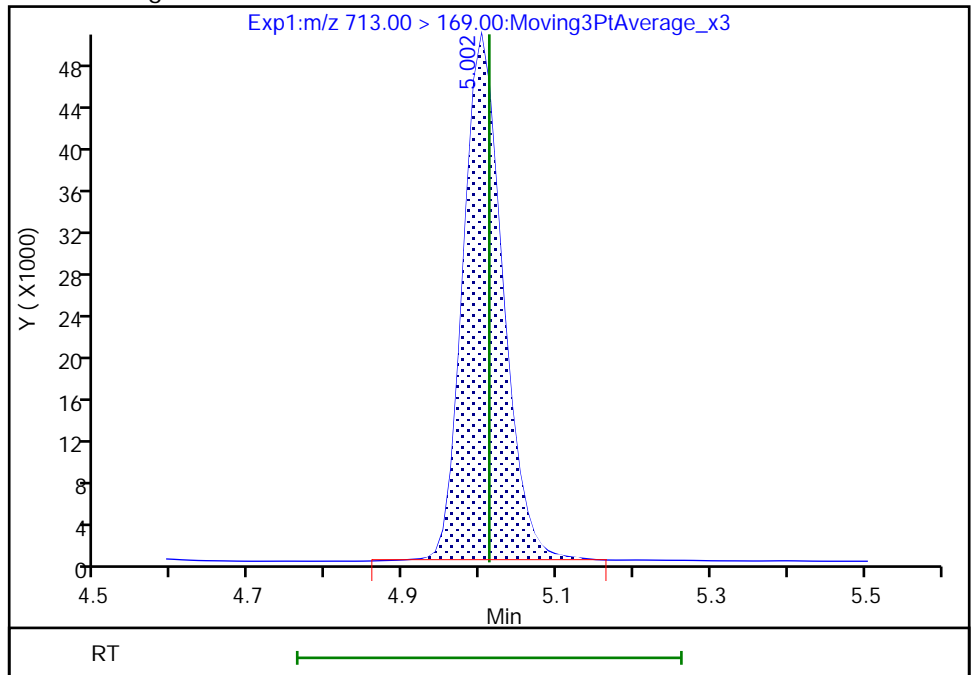
RT: 5.00
Area: 182524
Amount: 0.981401
Amount Units: ng/ml

Processing Integration Results



RT: 5.00
Area: 181689
Amount: 0.976912
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:50:36
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

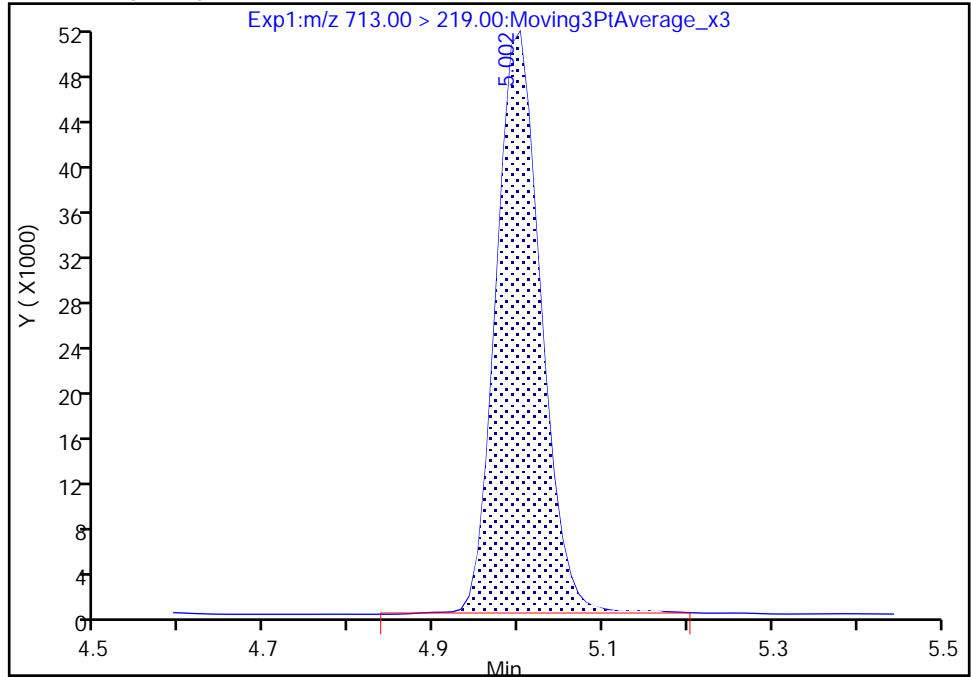
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A07.d
Injection Date: 08-Dec-2022 15:37:37 Instrument ID: LC812
Lims ID: LCS 200-186445/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

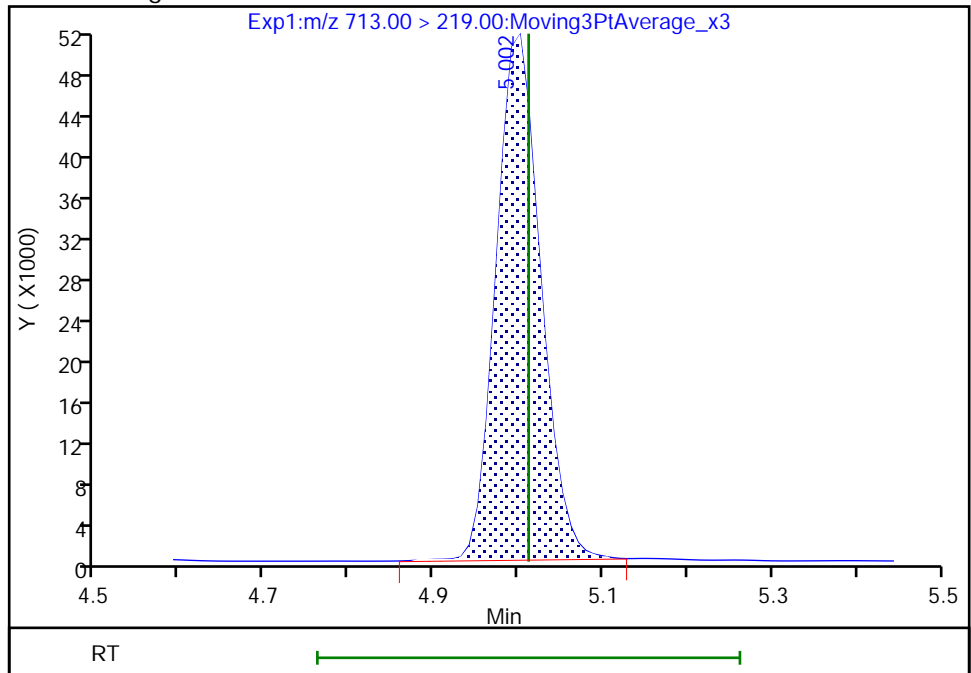
RT: 5.00
Area: 189731
Amount: 0.981401
Amount Units: ng/ml

Processing Integration Results



RT: 5.00
Area: 188077
Amount: 0.976912
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 14:50:41

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

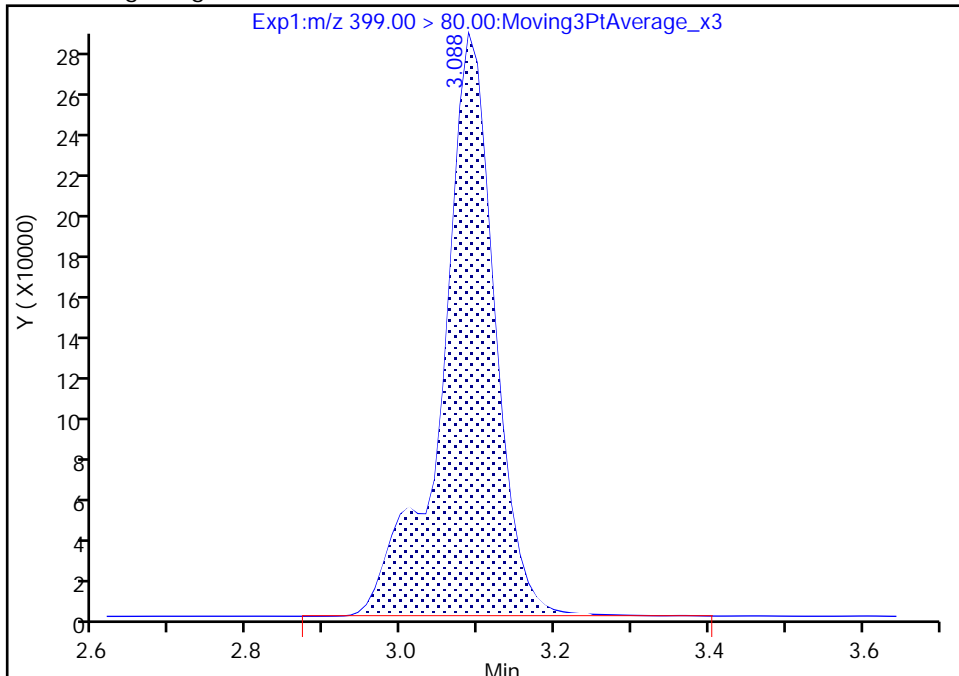
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Injection Date: 08-Dec-2022 15:37:37 Instrument ID: LC812
Lims ID: LCS 200-186445/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

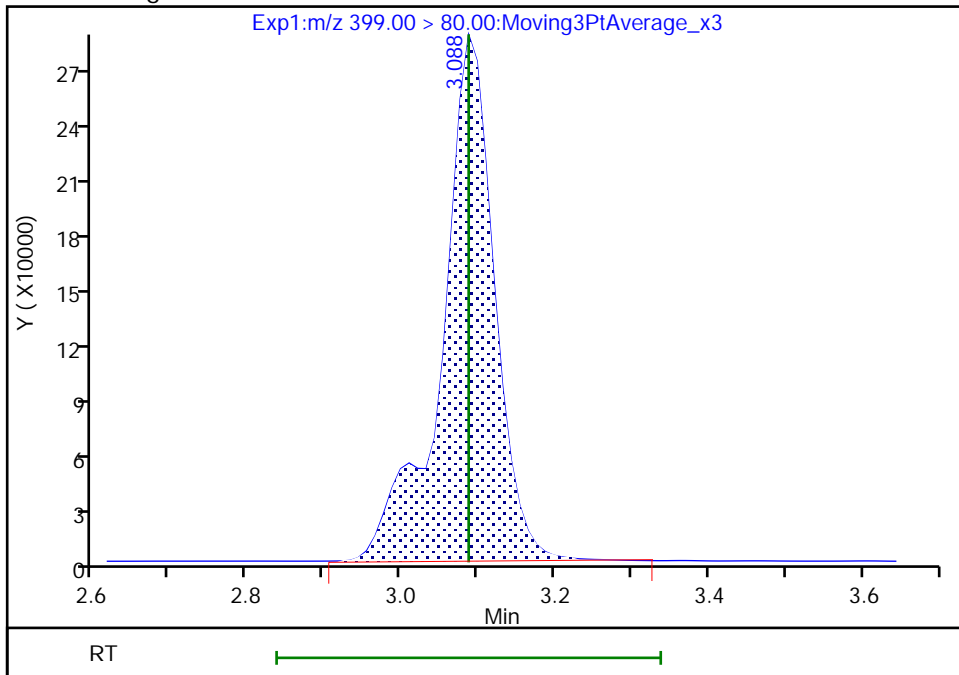
RT: 3.09
Area: 1359931
Amount: 0.907009
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 1356258
Amount: 0.904559
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:47:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

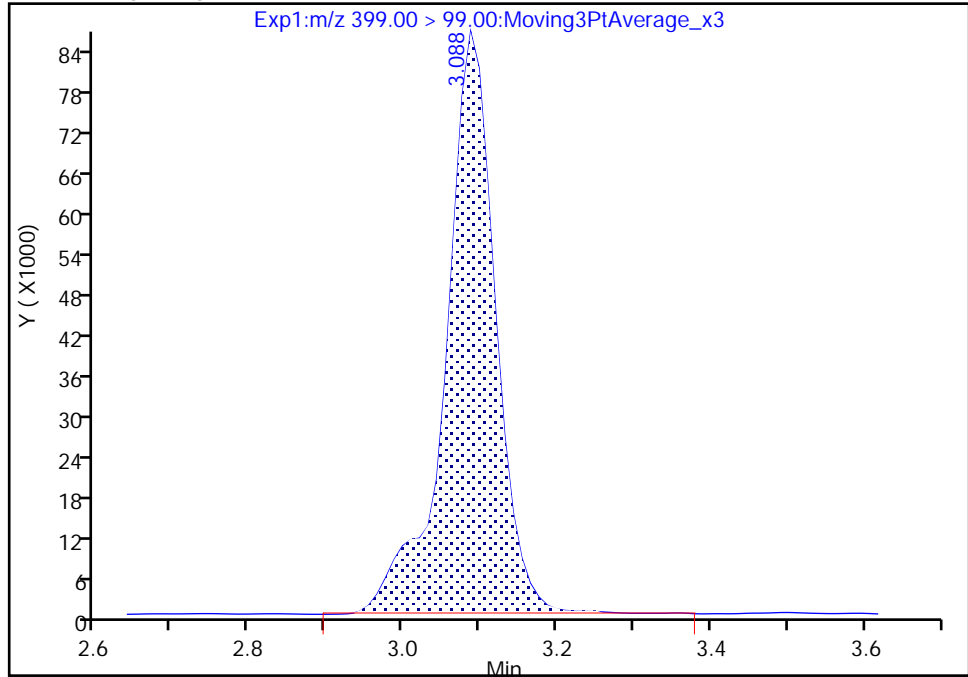
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A07.d
Injection Date: 08-Dec-2022 15:37:37 Instrument ID: LC812
Lims ID: LCS 200-186445/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

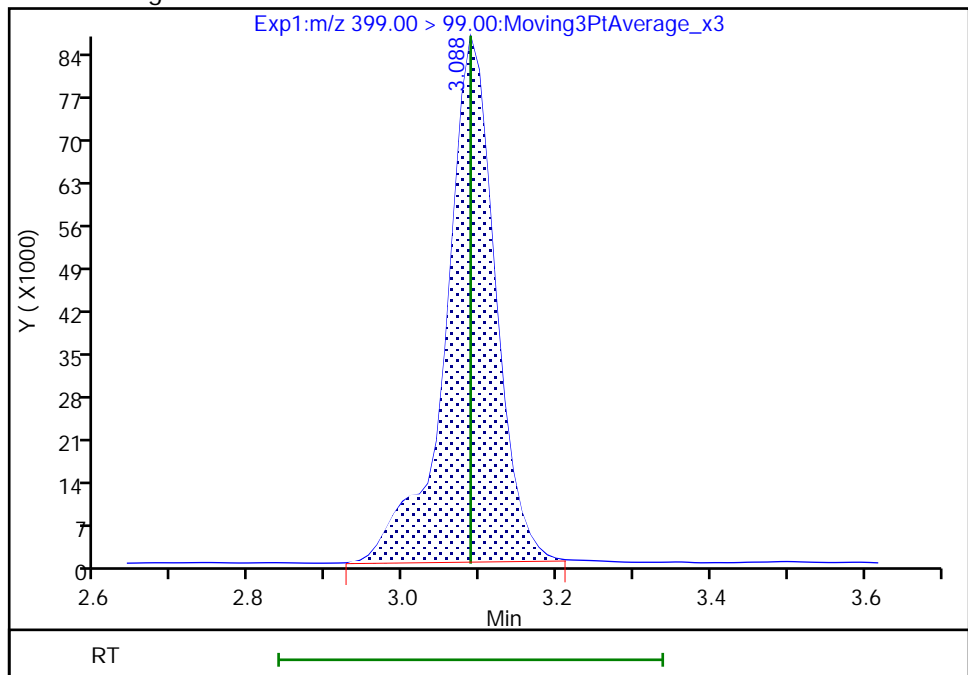
RT: 3.09
Area: 390564
Amount: 0.907009
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 383740
Amount: 0.904559
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 14:47:15

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

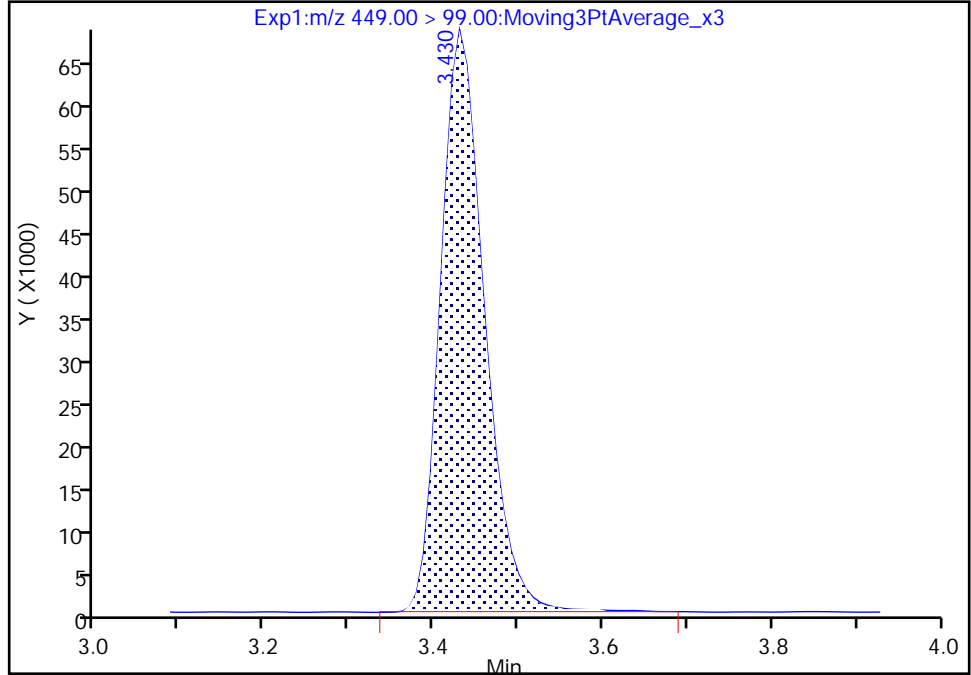
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A07.d
Injection Date: 08-Dec-2022 15:37:37 Instrument ID: LC812
Lims ID: LCS 200-186445/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

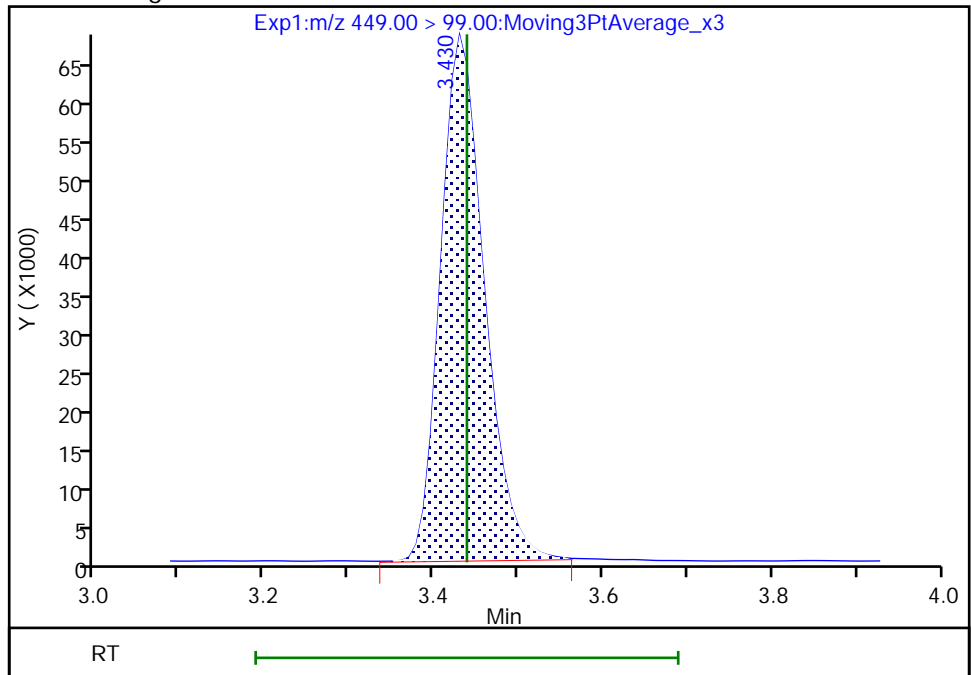
RT: 3.43
Area: 248336
Amount: 0.941012
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 247275
Amount: 0.940450
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:47:58
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

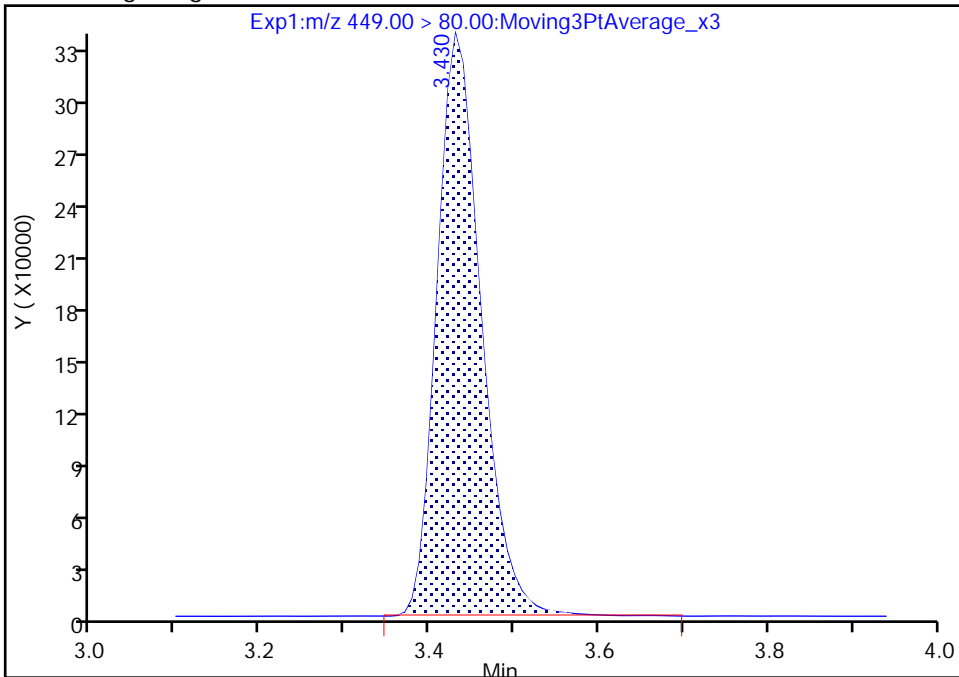
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A07.d
Injection Date: 08-Dec-2022 15:37:37 Instrument ID: LC812
Lims ID: LCS 200-186445/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

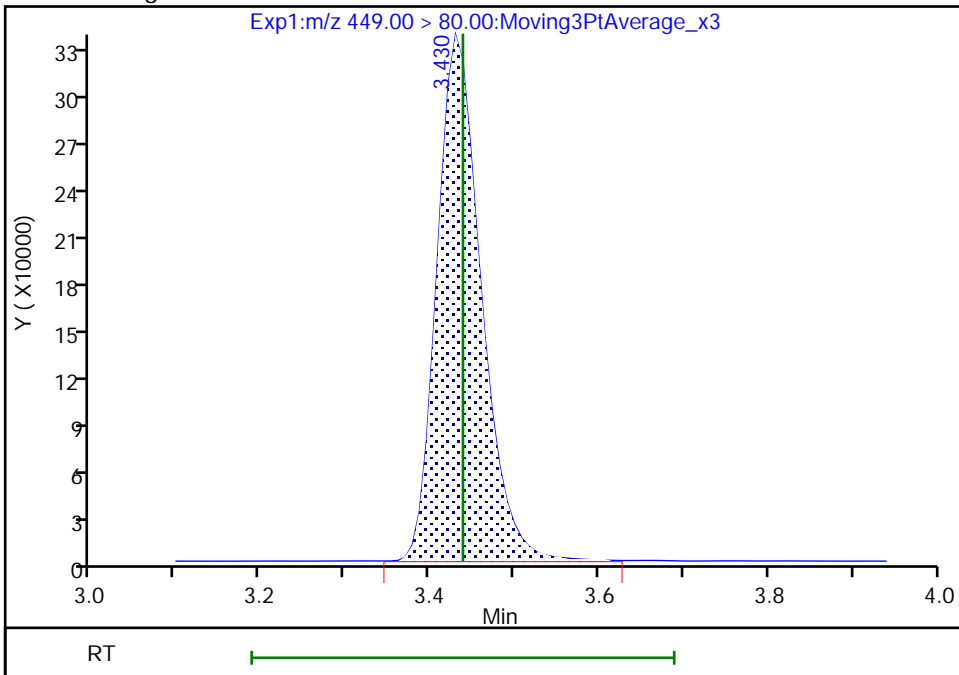
RT: 3.43
Area: 1209617
Amount: 0.941012
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 1208894
Amount: 0.940450
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 14:48:08

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

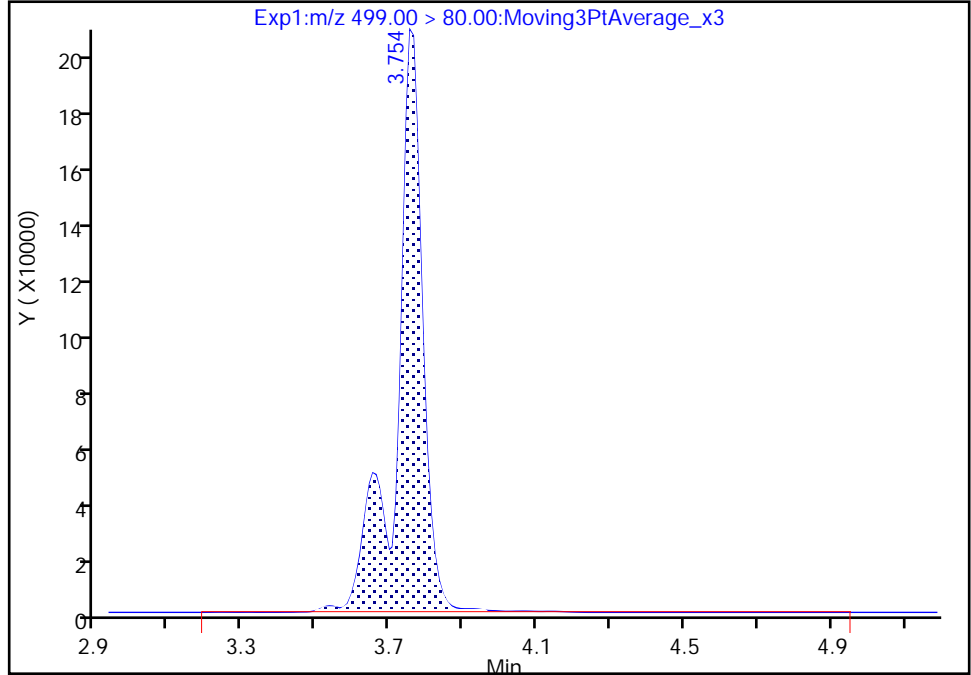
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A07.d
Injection Date: 08-Dec-2022 15:37:37 Instrument ID: LC812
Lims ID: LCS 200-186445/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

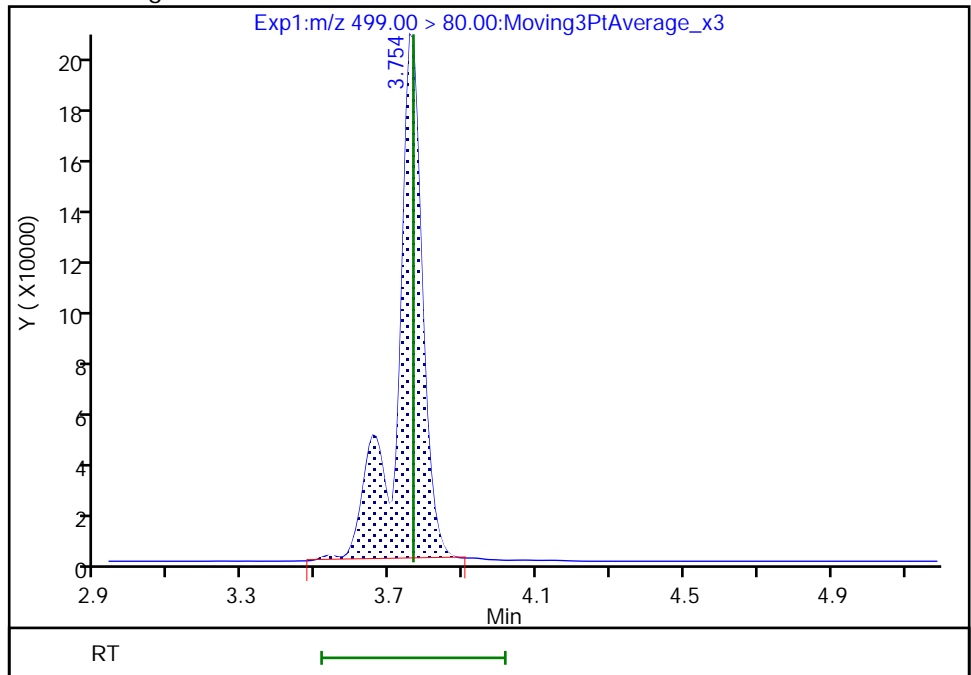
RT: 3.75
Area: 1000060
Amount: 0.893509
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 971975
Amount: 0.868416
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:48:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

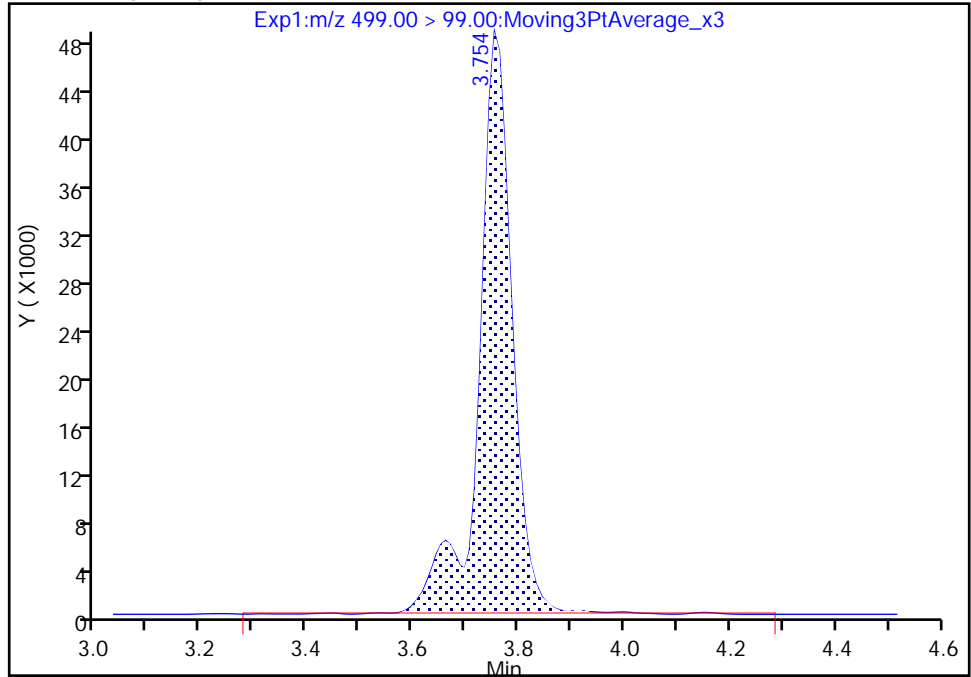
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A07.d
Injection Date: 08-Dec-2022 15:37:37 Instrument ID: LC812
Lims ID: LCS 200-186445/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

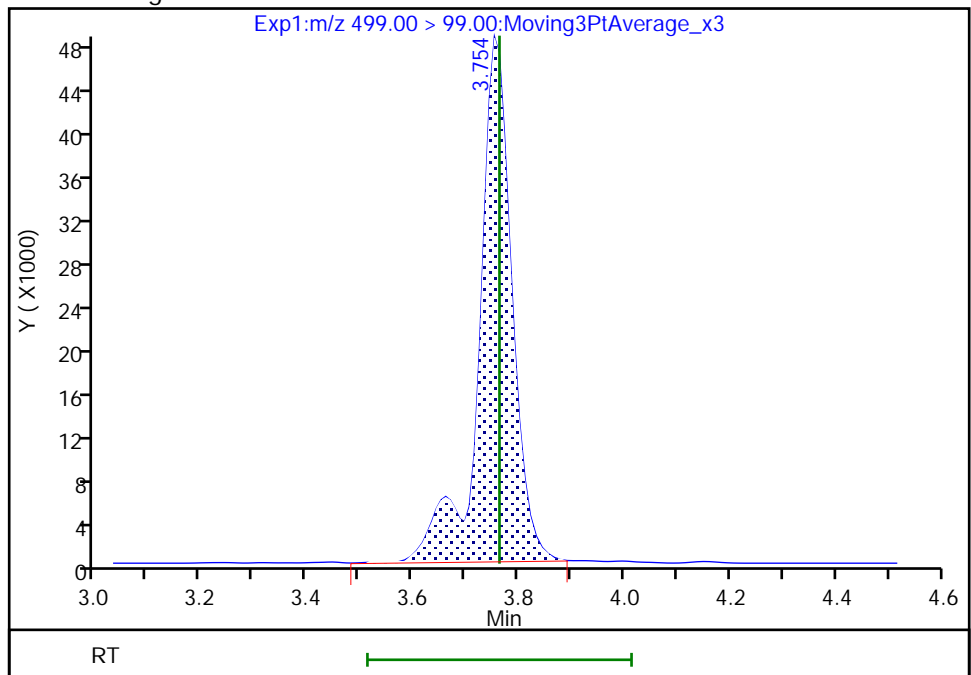
RT: 3.75
Area: 218189
Amount: 0.893509
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 213478
Amount: 0.868416
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 14:48:55

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

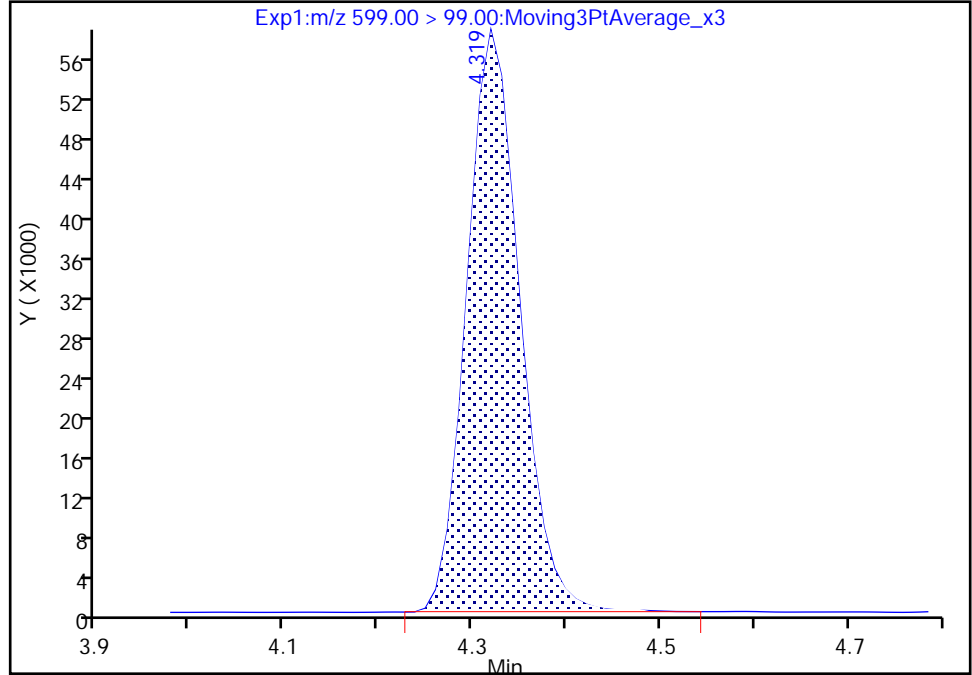
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A07.d
Injection Date: 08-Dec-2022 15:37:37 Instrument ID: LC812
Lims ID: LCS 200-186445/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

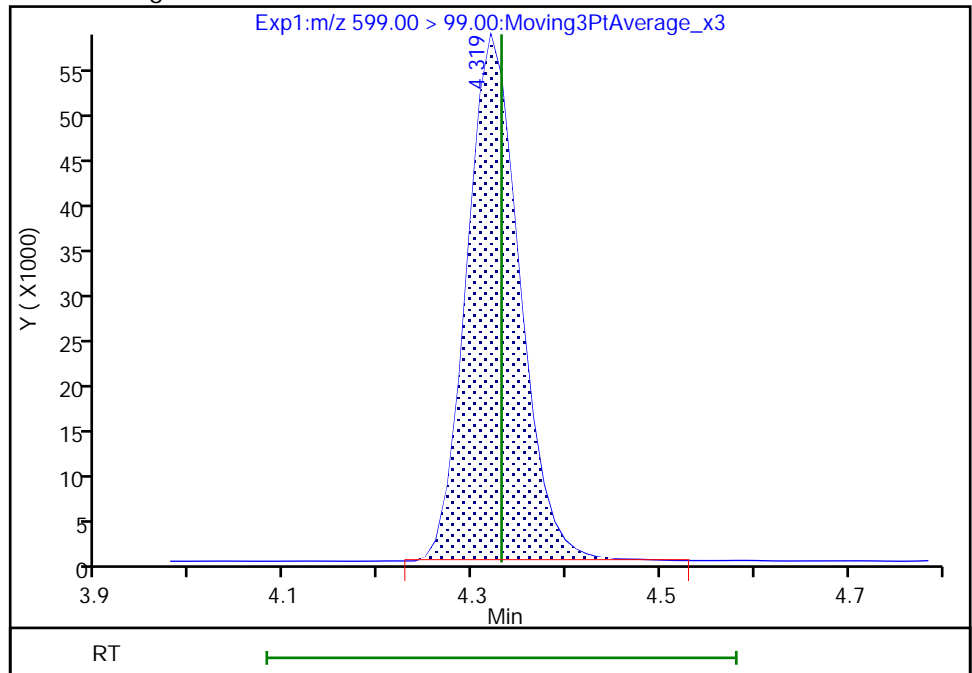
RT: 4.32
Area: 229546
Amount: 0.864205
Amount Units: ng/ml

Processing Integration Results



RT: 4.32
Area: 228783
Amount: 0.864205
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:49:52
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

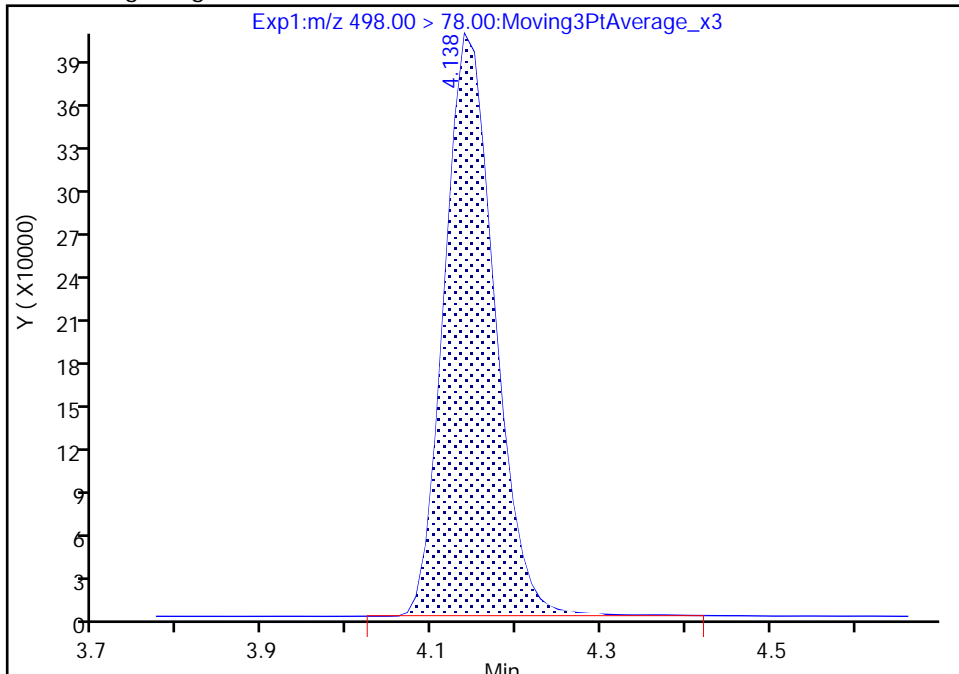
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A07.d
Injection Date: 08-Dec-2022 15:37:37 Instrument ID: LC812
Lims ID: LCS 200-186445/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

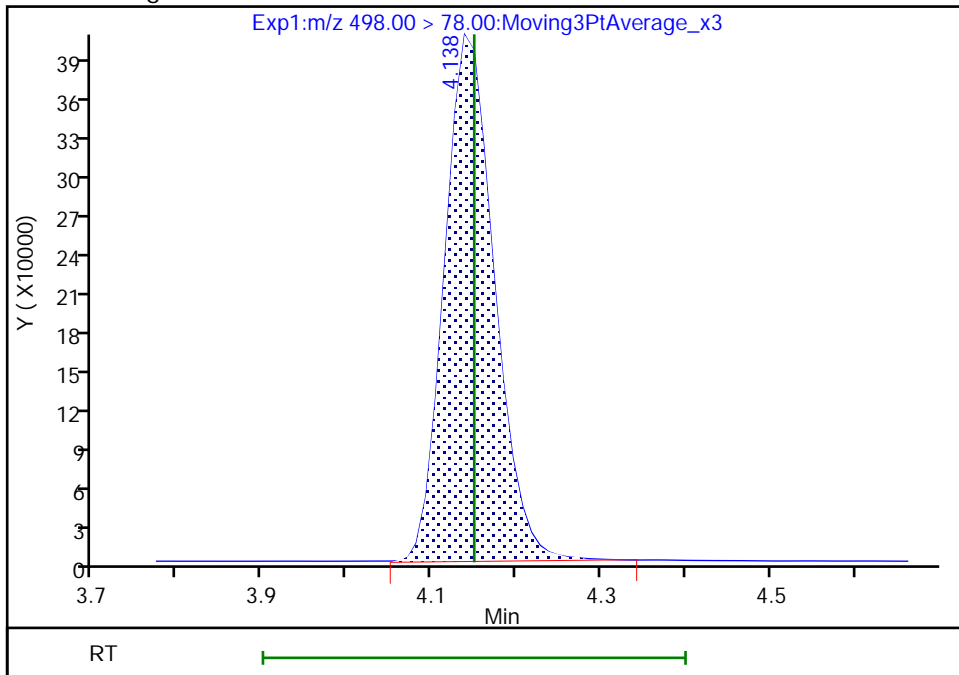
RT: 4.14
Area: 1667803
Amount: 0.988681
Amount Units: ng/ml

Processing Integration Results



RT: 4.14
Area: 1662355
Amount: 0.985451
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:49:36
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

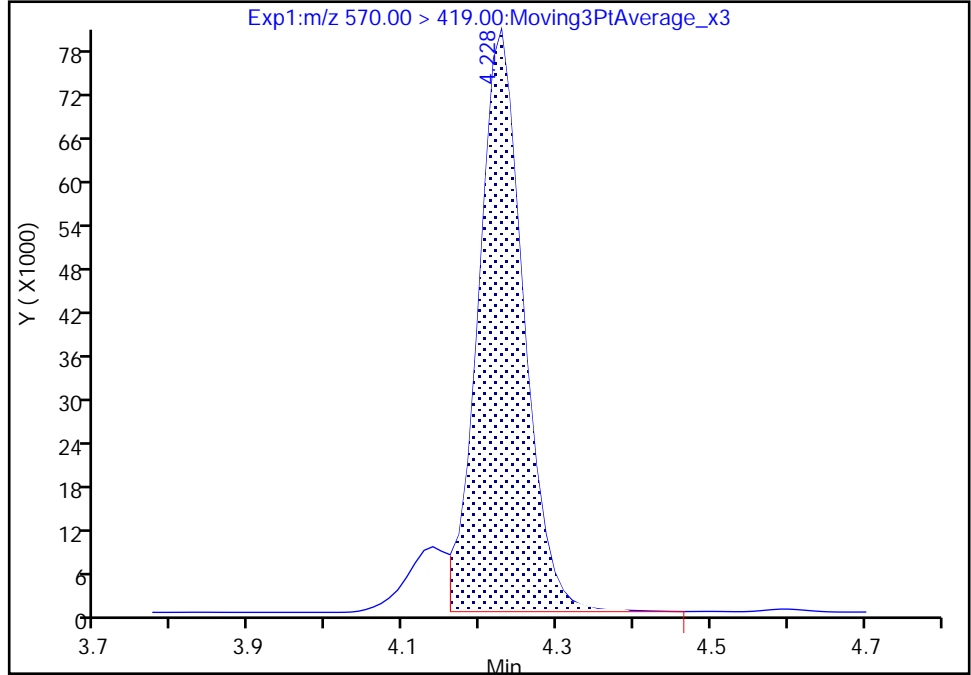
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A07.d
Injection Date: 08-Dec-2022 15:37:37 Instrument ID: LC812
Lims ID: LCS 200-186445/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

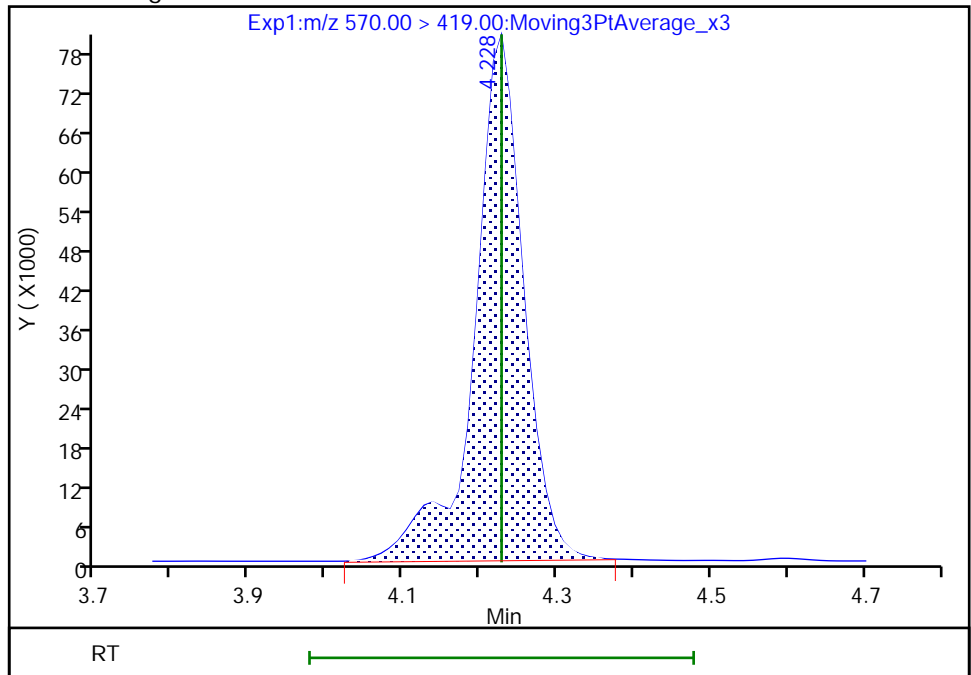
RT: 4.23
Area: 328442
Amount: 0.926105
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 358835
Amount: 1.012880
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:49:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

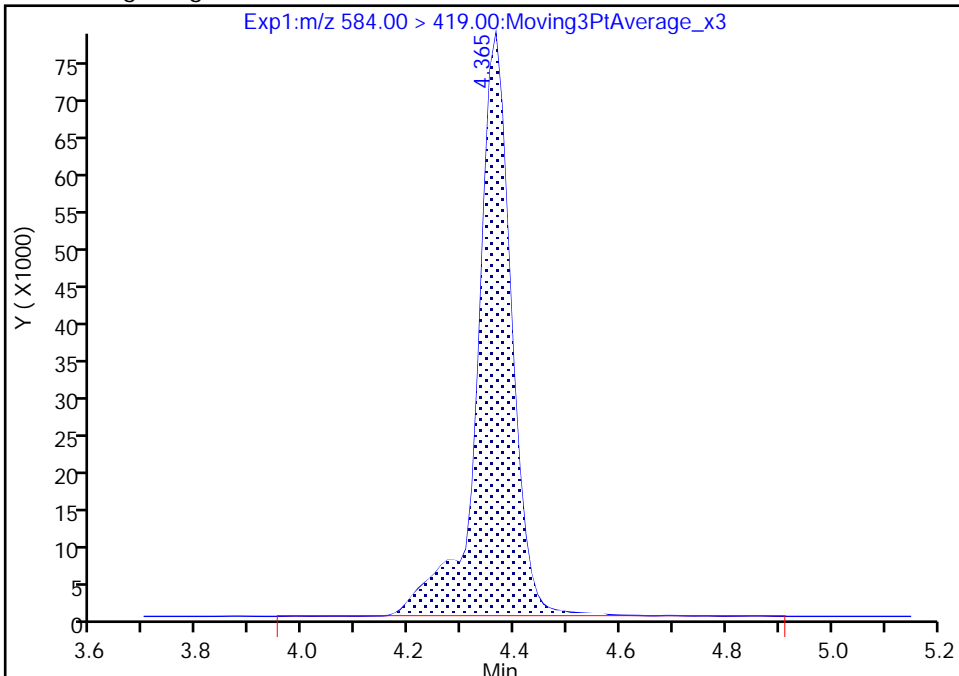
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A07.d
Injection Date: 08-Dec-2022 15:37:37 Instrument ID: LC812
Lims ID: LCS 200-186445/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

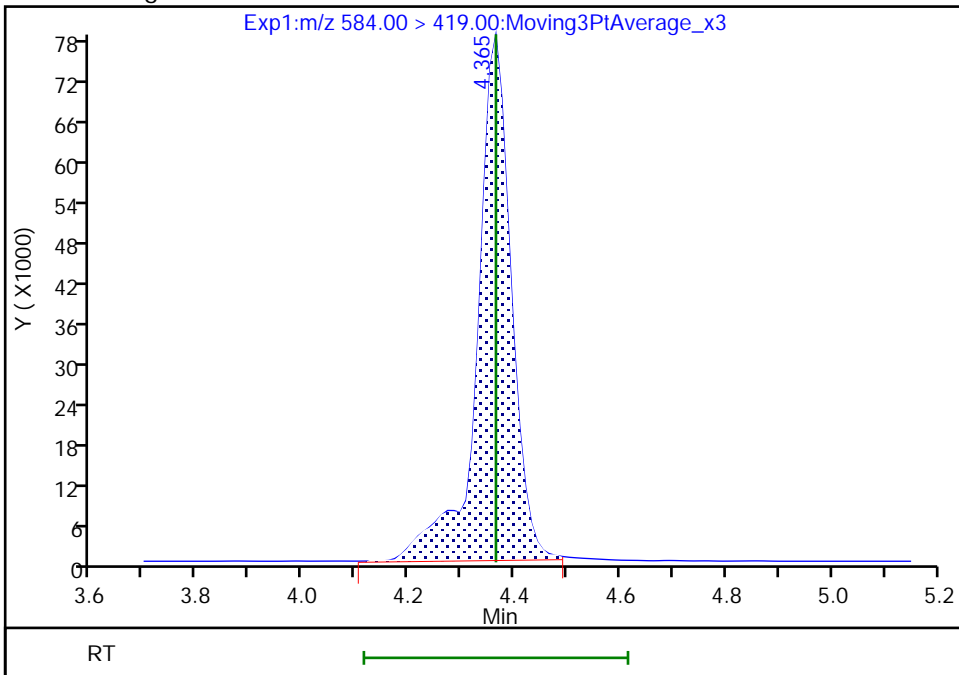
RT: 4.36
Area: 358035
Amount: 1.011283
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 353297
Amount: 0.997901
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:50:07
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

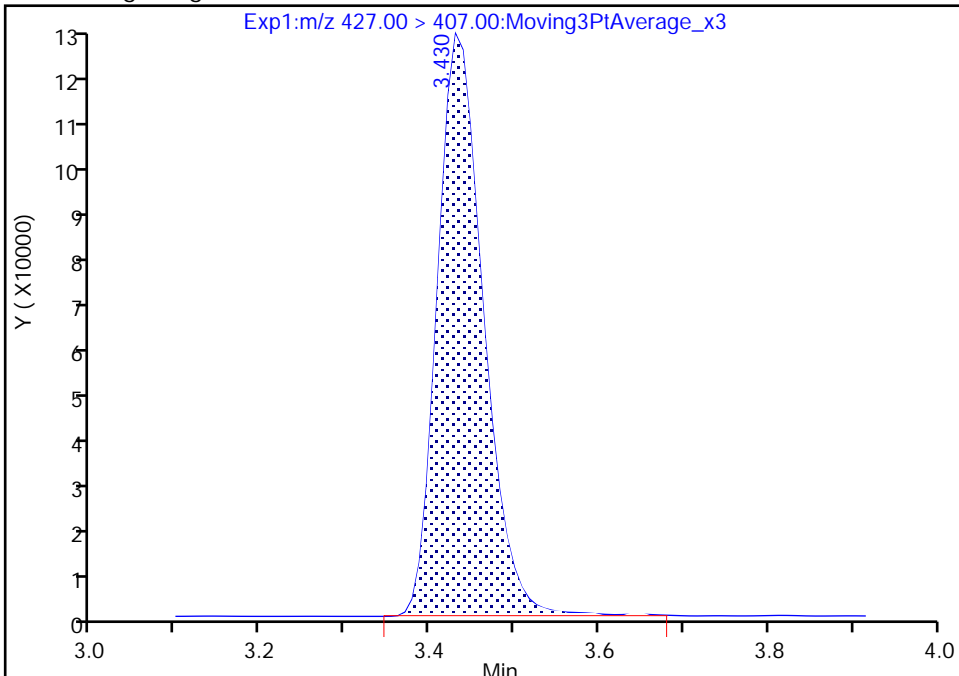
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A07.d
Injection Date: 08-Dec-2022 15:37:37 Instrument ID: LC812
Lims ID: LCS 200-186445/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

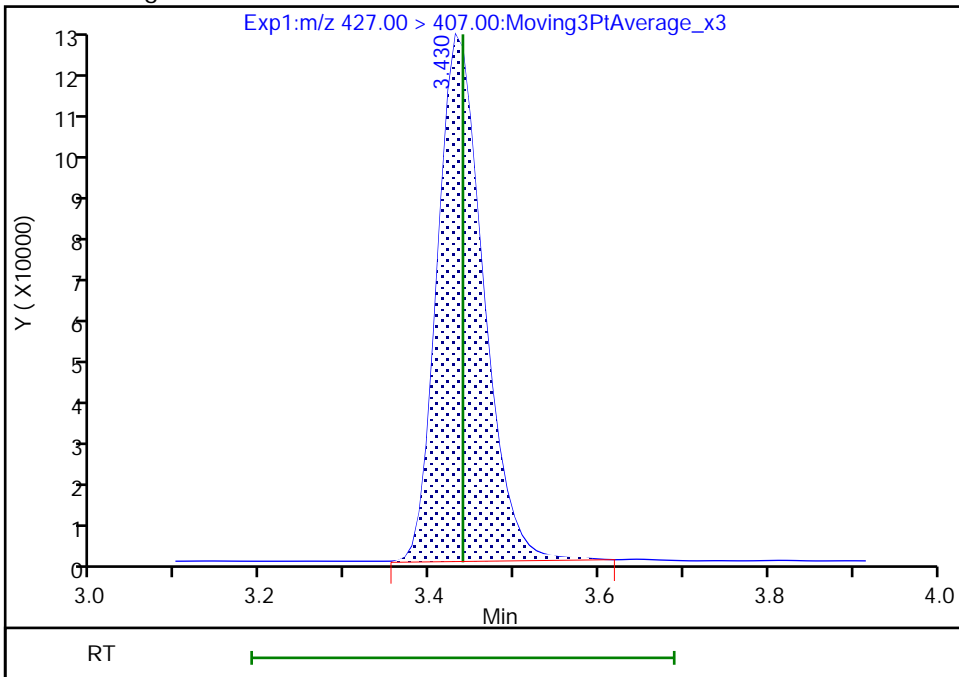
RT: 3.43
Area: 456668
Amount: 0.951146
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 454734
Amount: 0.947068
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:47:51
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

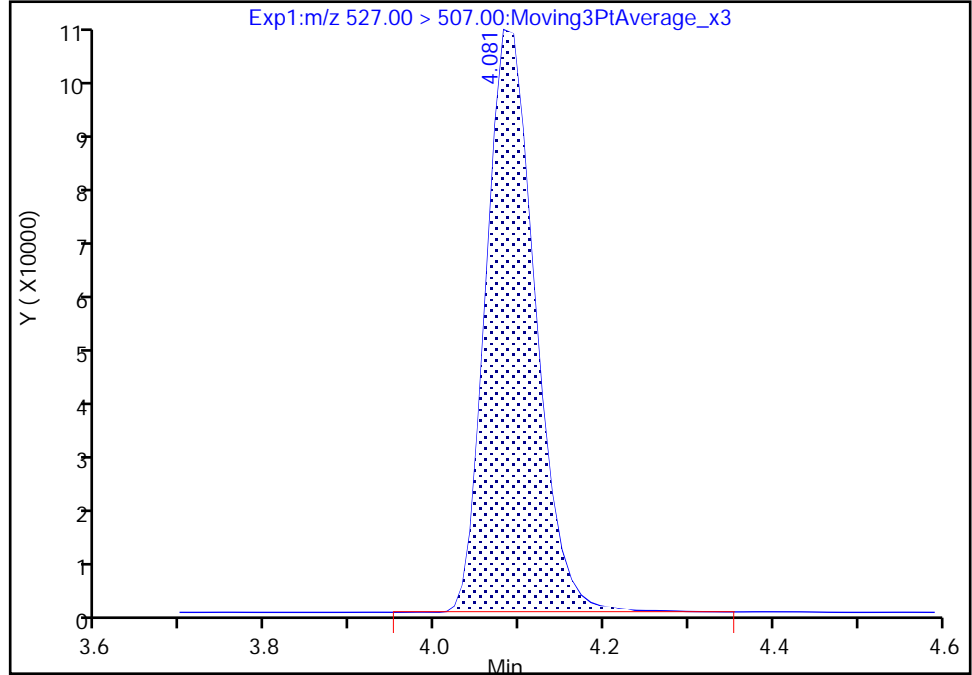
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A07.d
Injection Date: 08-Dec-2022 15:37:37 Instrument ID: LC812
Lims ID: LCS 200-186445/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

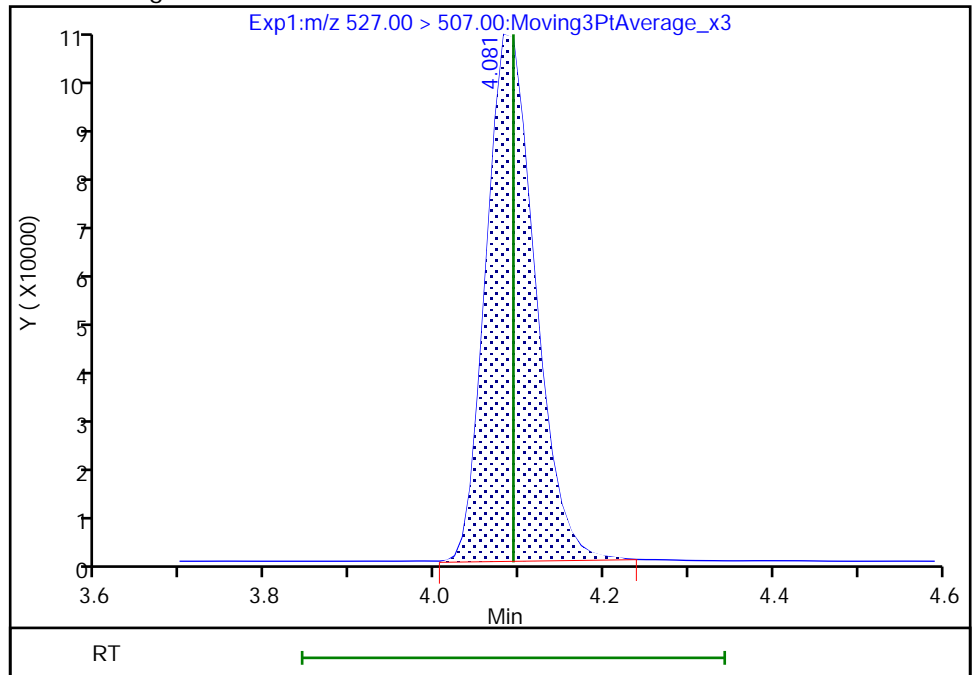
RT: 4.08
Area: 440513
Amount: 0.994415
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 439458
Amount: 0.992034
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:49:25
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

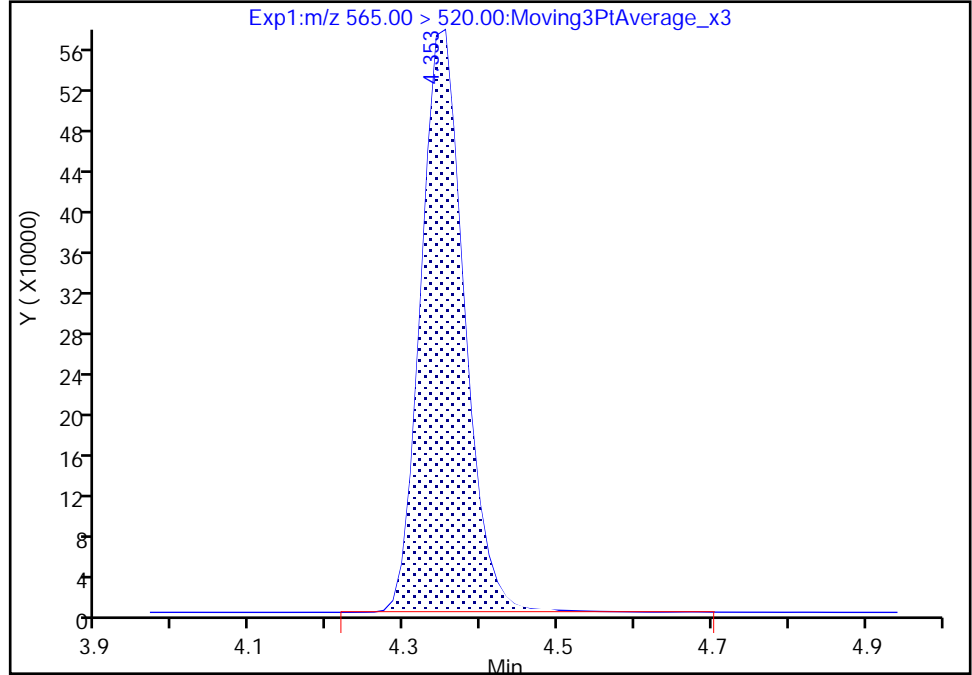
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A07.d
Injection Date: 08-Dec-2022 15:37:37 Instrument ID: LC812
Lims ID: LCS 200-186445/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997
Signal: 1

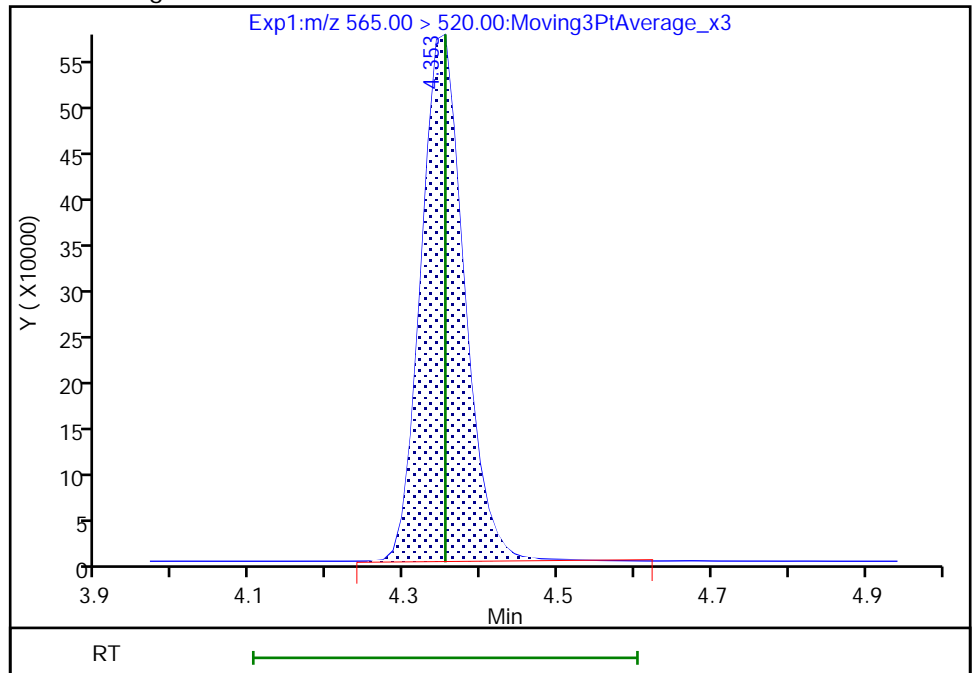
RT: 4.35
Area: 2262110
Amount: 1.161333
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 2259572
Amount: 1.160030
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:45:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

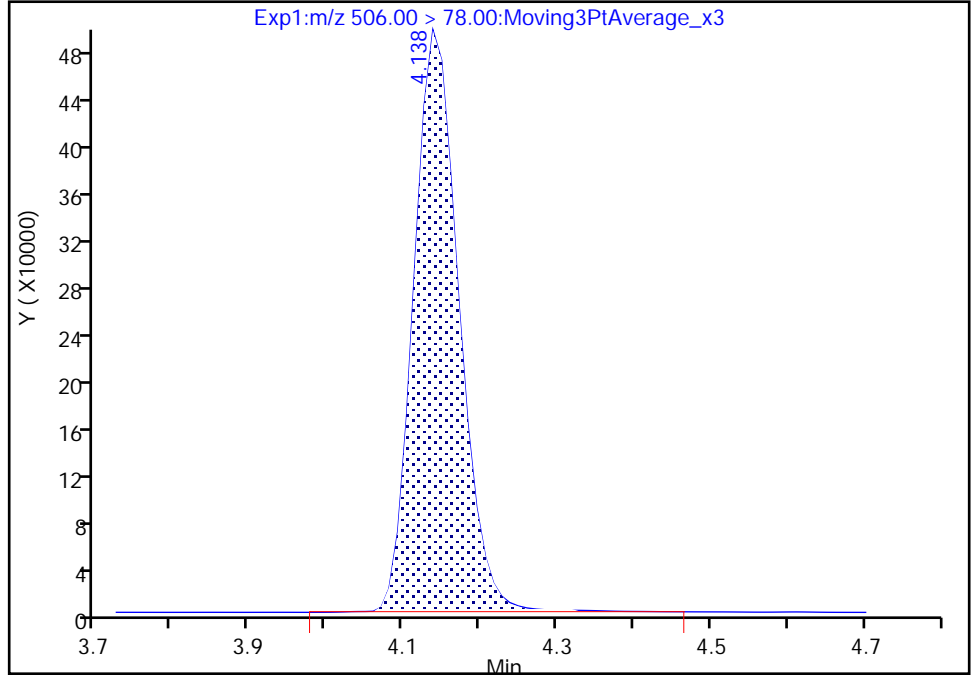
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A07.d
Injection Date: 08-Dec-2022 15:37:37 Instrument ID: LC812
Lims ID: LCS 200-186445/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056
Signal: 1

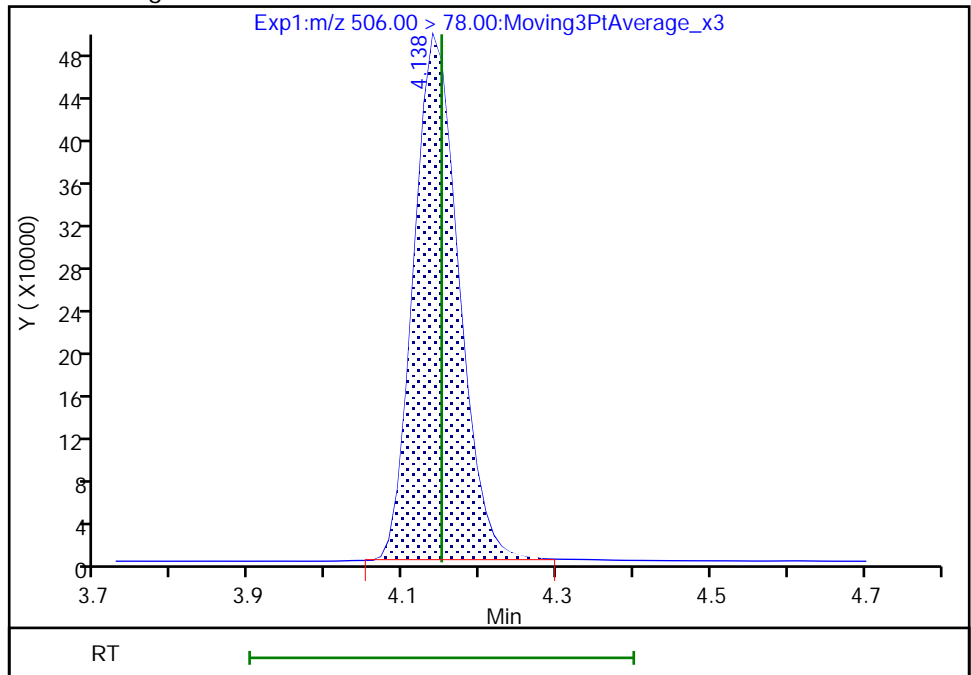
RT: 4.14
Area: 2035016
Amount: 1.166905
Amount Units: ng/ml

Processing Integration Results



RT: 4.14
Area: 2018337
Amount: 1.157341
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:45:39
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

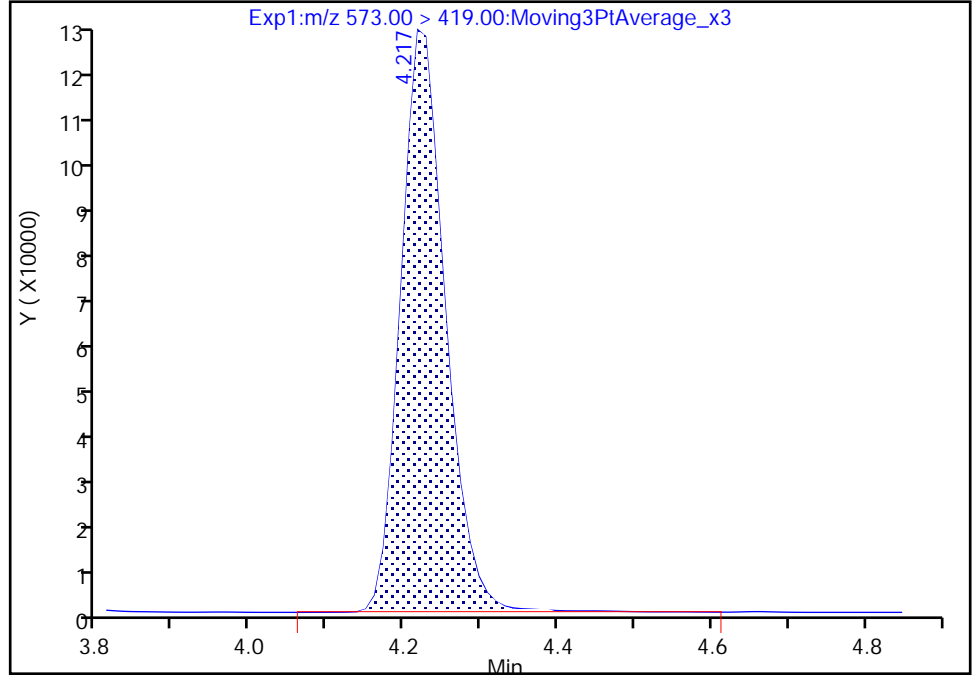
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A07.d
Injection Date: 08-Dec-2022 15:37:37 Instrument ID: LC812
Lims ID: LCS 200-186445/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118
Signal: 1

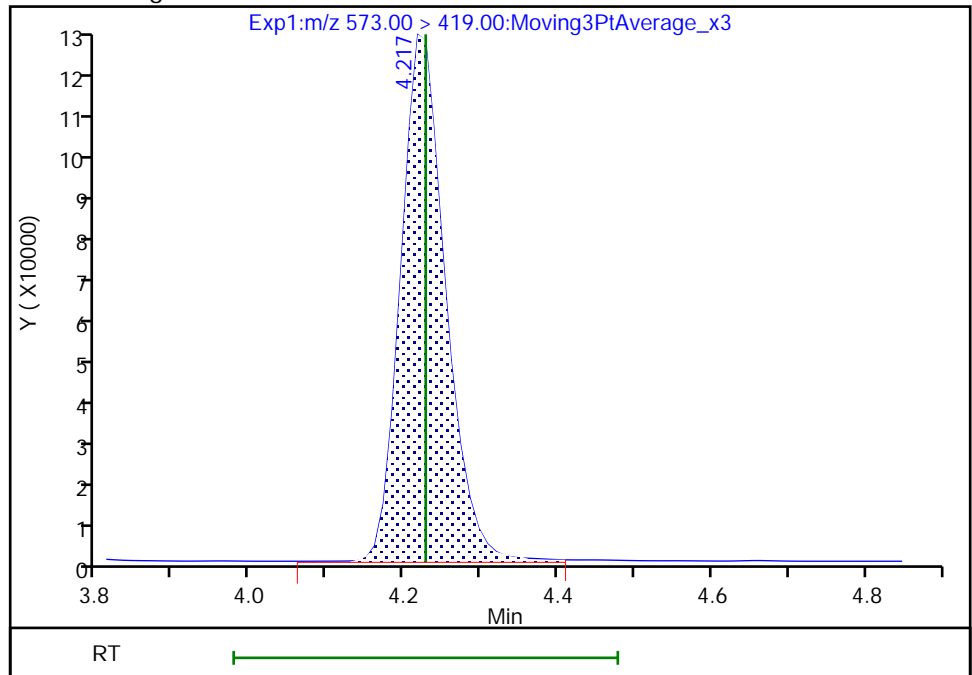
RT: 4.22
Area: 510680
Amount: 1.179087
Amount Units: ng/ml

Processing Integration Results



RT: 4.22
Area: 508942
Amount: 1.175074
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 14:45:47
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: 460-270311-A-2-B MS
 Matrix: Solid Lab File ID: PA221208A10.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: SHAKE Date Extracted: 12/07/2022 08:59
 Sample wt/vol: 5.08(g) Date Analyzed: 12/08/2022 16:02
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: 19.2 % Solids: 80.8 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186513 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	2.430		0.61	0.40
2706-90-3	Perfluoropentanoic acid (PFPeA)	2.460		0.24	0.067
307-24-4	Perfluorohexanoic acid (PFHxA)	2.388		0.24	0.056
375-85-9	Perfluoroheptanoic acid (PFHpA)	2.455		0.24	0.048
335-67-1	Perfluorooctanoic acid (PFOA)	2.453		0.24	0.071
375-95-1	Perfluorononanoic acid (PFNA)	2.512		0.24	0.041
335-76-2	Perfluorodecanoic acid (PFDA)	2.564		0.24	0.034
2058-94-8	Perfluoroundecanoic acid (PFUnA)	2.402		0.24	0.033
307-55-1	Perfluorododecanoic acid (PFDoA)	2.472		0.24	0.030
72629-94-8	Perfluorotridecanoic acid (PFTriA)	2.391		0.24	0.030
376-06-7	Perfluorotetradecanoic acid (PFTeA)	2.335		0.24	0.032
375-73-5	Perfluorobutanesulfonic acid (PFBS)	2.110		0.24	0.040
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	2.312		0.24	0.050
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	2.411		0.24	0.028
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	2.265		0.24	0.13
335-77-3	Perfluorodecanesulfonic acid (PFDS)	2.267		0.24	0.023
754-91-6	Perfluorooctanesulfonamide (FOSA)	2.423		0.24	0.041
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.637		2.44	0.13
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.428	J	2.44	0.10
27619-97-2	6:2 FTS	2.521		2.44	0.069
39108-34-4	8:2 FTS	2.453		2.44	0.045

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: 460-270311-A-2-B MS
 Matrix: Solid Lab File ID: PA221208A10.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: SHAKE Date Extracted: 12/07/2022 08:59
 Sample wt/vol: 5.08(g) Date Analyzed: 12/08/2022 16:02
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: 19.2 % Solids: 80.8 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186513 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	88		50-150
STL01892	13C4 PFHpA	89		50-150
STL00990	13C4 PFOA	93		50-150
STL00991	13C4 PFOS	87		50-150
STL00995	13C5 PFNA	91		50-150
STL00992	13C4 PFBA	87		50-150
STL00993	13C2 PFHxA	91		50-150
STL00996	13C2 PFDA	88		50-150
STL00997	13C2 PFUnA	88		50-150
STL00998	13C2 PFDoA	86		50-150
STL01056	13C8 FOSA	82		50-150
STL01893	13C5 PFPeA	82		50-150
STL02116	13C2 PFTeDA	92		50-150
STL02118	d3-NMeFOSAA	84		50-150
STL02117	d5-NEtFOSAA	87		50-150
STL02279	M2-6:2 FTS	87		50-150
STL02280	M2-8:2 FTS	89		50-150
STL02337	13C3 PFBS	87		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A10.d
 Lims ID: 460-270311-A-2-B MS
 Client ID: BCS-09-47_(8-8.5)P
 Sample Type: MS
 Inject. Date: 08-Dec-2022 16:02:12 ALS Bottle#: 7 Worklist Smp#: 10
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 460-270311-A-2-B MS
 Misc. Info.: 200-0053607-010 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 13-Dec-2022 09:02:46 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1634
 First Level Reviewer: nampitakw Date: 09-Dec-2022 15:14:29
 Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA	217.00 > 172.00	2.085	2.076	0.009	0.606	2543934	1.08	86.6	10390	M
2 Perfluorobutanoic acid	212.90 > 169.00	2.085	2.076	0.009	1.000	2092924	1.00	99.7	190	M
D 3 13C5 PFPeA	267.90 > 223.00	2.386	2.387	-0.001	0.694	1836857	1.03	82.1	3033	
4 Perfluoropentanoic acid	262.90 > 219.00	2.386	2.387	-0.001	1.000	1616683	1.01	101	36.5	M
D 47 13C3 PFBS	301.90 > 80.00	2.400	2.400	0.0	0.698	1962164	1.01	86.8	235013	M
5 Perfluorobutanesulfonic acid	298.90 > 80.00	2.400	2.400	0.0	1.000	1671743	0.8657	Target=2.09	1394	M
	298.90 > 99.00	2.400	2.400	0.0	1.000	800020		2.09(1.04-3.13)	49.4	M
61 1H,1H,2H,2H-perfluorohexanesulfo	327.00 > 307.00	2.689	2.689	0.0	1.000	435688	0.9340	100	809	
D 60 M2-4:2 FTS	329.00 > 81.00	2.689	2.689	0.0	0.782	176785	1.03	88.2	117	M
D 7 13C2 PFHxA	315.00 > 270.00	2.725	2.725	0.0	0.793	2123090	1.13	90.6	5487	
6 Perfluorohexanoic acid	313.00 > 269.00	2.725	2.725	0.0	1.000	1813245	0.9798	Target=14.25	291	M
	313.00 > 119.00	2.725	2.725	0.0	1.000	131421		13.80(7.12-21.37)	126	M
70 Perfluoropentanesulfonic acid	349.00 > 80.00	2.737	2.737	0.0	0.887	1568068	0.9381	Target=3.04	1269	M
	349.00 > 99.00	2.737	2.737	0.0	0.887	536073		2.93(1.52-4.56)	607	M
67 Perfluoro(2-propoxypropanoic) ac	285.00 > 169.00	2.835	2.835	0.0	1.000	301466	1.02	102	1464	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.835	2.835	0.0	0.825	349404	1.06		84.5	1915	
D 11 18O2 PFHxS										
403.00 > 84.00	3.087	3.088	-0.001	0.898	1480143	1.05		88.4	4277	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.087	3.088	-0.001	1.000	1340619	0.9489	Target=3.66	104	1504	M
399.00 > 99.00	3.087	3.088	-0.001	1.000	377257		3.55(1.83-5.49)	24.1		M
D 9 13C4 PFHpA										
367.00 > 322.00	3.087	3.099	-0.012	0.898	2148166	1.11		89.1	3706	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.087	3.099	-0.012	1.000	1885262	1.01	Target=3.97	101	312	M
363.00 > 169.00	3.087	3.099	-0.012	1.000	475055		3.97(1.98-5.95)		1227	M
77 DONA										
377.00 > 251.00	3.132	3.132	0.0	0.834	4544023	0.99	Target=3.16	105	4126	
377.00 > 85.00	3.132	3.132	0.0	0.834	1485412		3.06(1.58-4.73)		1777	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.429	3.439	-0.010	0.997	246543	1.04		87.4	338	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.429	3.439	-0.010	1.000	458908	1.03		109	1053	M
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.429	3.439	-0.010	0.914	1150465	0.9893	Target=5.14	104	1390	M
449.00 > 99.00	3.429	3.439	-0.010	0.914	230532		4.99(2.57-7.72)		315	M
D 14 13C4 PFOA										
417.00 > 372.00	3.438	3.448	-0.010	1.000	2510534	1.16		92.6	6148	
* 62 13C2 PFOA										
415.00 > 370.00	3.438	3.448	-0.010		2618061	1.25			4478	M
15 Perfluorooctanoic acid										
413.00 > 369.00	3.446	3.448	-0.002	1.003	2161547	1.01	Target=2.79	101	148	M
413.00 > 169.00	3.438	3.448	-0.010	1.000	776847		2.78(1.40-4.19)		897	M
D 18 13C4 PFOS										
503.00 > 80.00	3.753	3.764	-0.011	1.092	994973	1.04		86.7	2195	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.753	3.764	-0.011	1.000	941164	0.9295	Target=5.11	100	808	M
499.00 > 99.00	3.753	3.764	-0.011	1.000	323519		2.91(2.55-7.66)		165	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.772	3.783	-0.011	1.000	2041300	1.03	Target=8.55	103	398	
463.00 > 169.00	3.772	3.783	-0.011	1.000	238304		8.57(4.28-12.83)		955	
D 19 13C5 PFNA										
468.00 > 423.00	3.772	3.783	-0.011	1.097	2385990	1.13		90.6	4727	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.914	3.928	-0.014	1.043	2151228	0.9257		99.3	4402	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.050	4.050	0.0	1.079	711341	0.9308	Target=2.53	97.0	2038	
549.00 > 99.00	4.050	4.050	0.0	1.079	283214		2.51(1.27-3.80)		489	M
D 23 13C2 PFDA										
515.00 > 470.00	4.071	4.081	-0.010	1.184	2355086	1.10		87.8	4893	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										
513.00 > 469.00	4.071	4.081	-0.010	1.000	2149813	1.05	Target=10.26	105	655	
513.00 > 169.00	4.071	4.081	-0.010	1.000	208921		10.29(5.13-15.38)		494	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.081	4.093	-0.012	1.187	309816	1.07		89.1	701	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.081	4.093	-0.012	1.000	421174	1.01		105	4237	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.138	4.150	-0.012	1.000	1491597	0.99		99.4	1841	
D 21 13C8 FOSA										
506.00 > 78.00	4.138	4.150	-0.012	1.204	1795147	1.02		81.6	3463	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.217	4.228	-0.011	1.227	461344	1.06		84.4	579	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.228	4.228	0.0	1.002	347240	1.08		108	699	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.319	4.331	-0.012	1.151	561490	0.9305	Target=2.51	96.5	2347	
599.00 > 99.00	4.319	4.331	-0.012	1.151	219761		2.56(1.25-3.76)		82.4	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.342	4.353	-0.011	1.263	2168672	1.10		88.3	5189	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.342	4.353	-0.011	1.000	1723815	0.9859	Target=9.88	98.6	676	
563.00 > 169.00	4.342	4.353	-0.011	1.000	160756		10.72(4.94-14.82)		911	
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.365	4.365	0.0	1.003	333245	1.00		99.6	908	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.353	4.365	-0.012	1.266	467003	1.09		86.8	1038	
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.443	4.454	-0.011	1.184	3143511	0.8775		93.2	5433	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.591	4.591	0.0	1.002	1846805	1.01	Target=7.77	101	159	M
613.00 > 169.00	4.591	4.591	0.0	1.002	241037		7.66(3.89-11.66)		1501	
D 36 13C2 PFDaA										
615.00 > 570.00	4.580	4.591	-0.011	1.332	2147771	1.07		85.8	5103	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.602	4.612	-0.010	1.128	234371	0.9323		96.7	1713	M
75 Perfluorododecanesulfonic acid (
699.00 > 80.00	4.767	4.776	-0.009	1.270	247666	0.9700	Target=0.50	100	1449	M
699.00 > 99.00	4.767	4.776	-0.009	1.270	469863		0.53(0.25-0.76)		1156	M
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.794	4.804	-0.010	1.047	1708462	0.9813	Target=5.21	98.1	132	M
663.00 > 169.00	4.794	4.804	-0.010	1.047	310870		5.50(2.60-7.81)		1269	M
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.002	5.012	-0.010	1.000	209753	0.9583	Target=0.89	95.8	1134	
713.00 > 219.00	4.992	5.012	-0.020	0.998	234149		0.90(0.44-1.33)		2273	M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.002	5.012	-0.010	1.455	1998442	1.15		92.3	6338	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.367	5.367	0.0	1.000	1864141	1.01	Target=5.65	101	173	
813.00 > 169.00	5.367	5.367	0.0	1.000	313143		5.95(2.82-8.47)		1251	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.367	5.367	0.0	1.561	2460509	1.15		91.9	5021	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.713	5.722	-0.009	1.065	1687566	1.04	Target=6.24	104	161	M
913.00 > 169.00	5.713	5.722	-0.009	1.065	259104		6.51(3.12-9.36)		732	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A10.d

Injection Date: 08-Dec-2022 16:02:12

Instrument ID: LC812

Lims ID: 460-270311-A-2-B MS

Client ID: BCS-09-47_(8-8.5)P

Operator ID: lc812tech

ALS Bottle#: 7

Worklist Smp#: 10

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

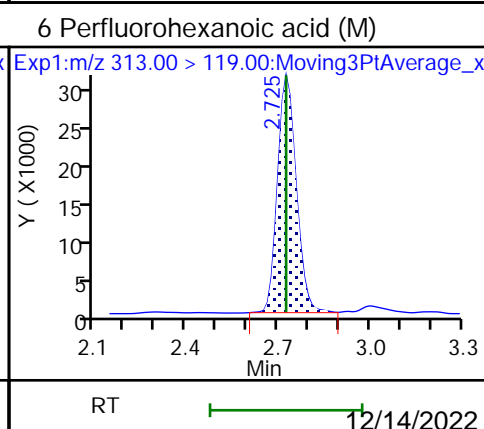
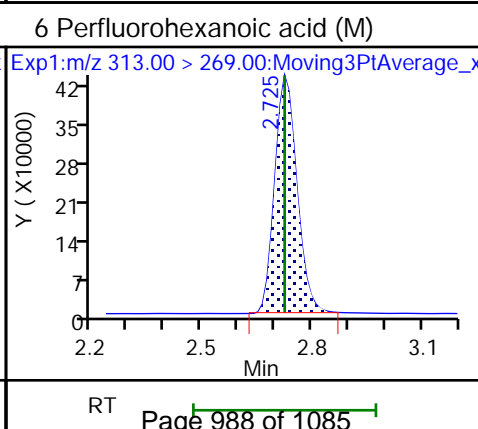
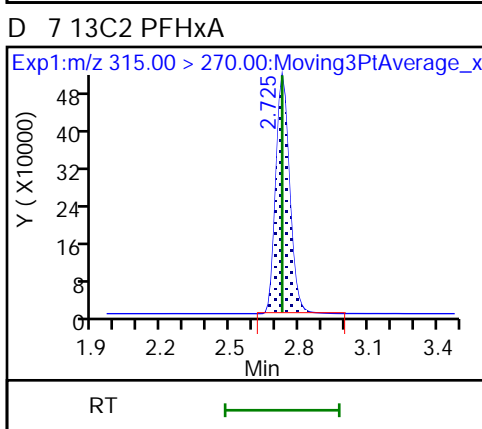
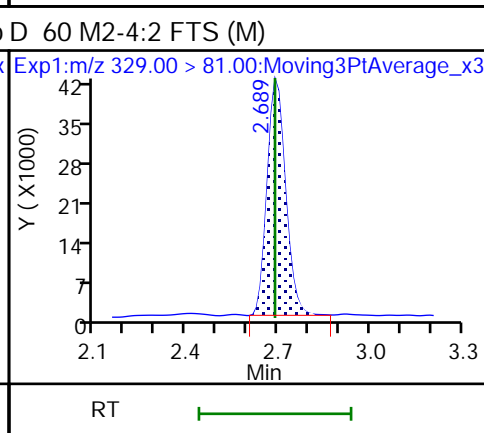
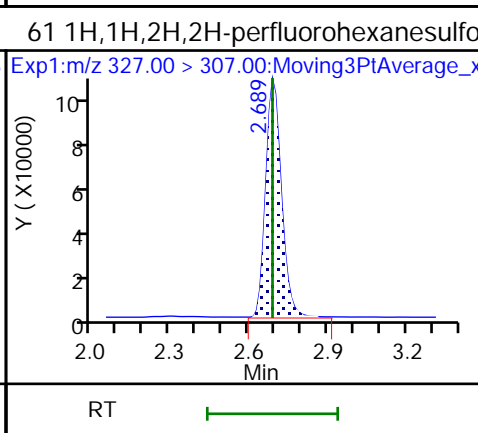
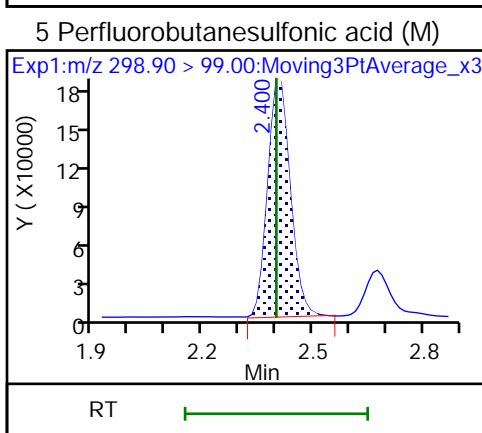
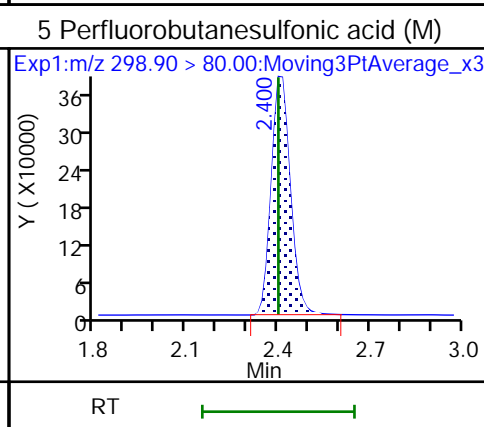
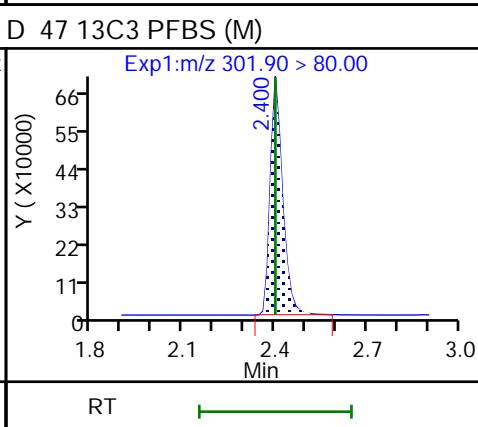
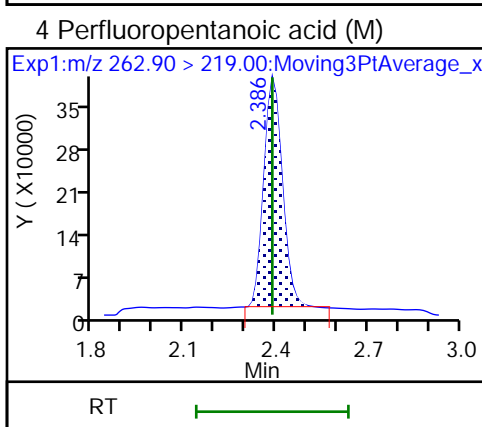
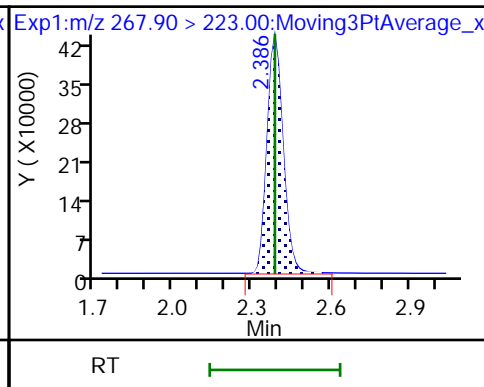
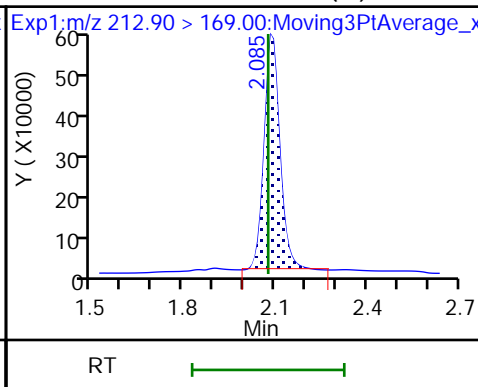
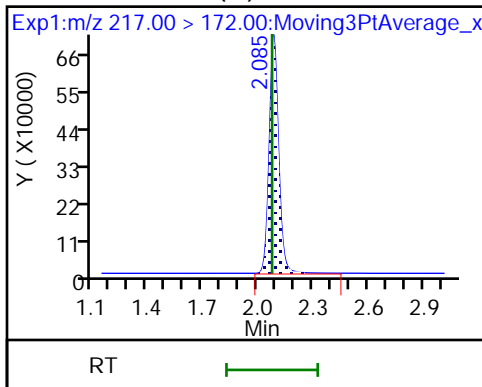
Method: PFC_LC812

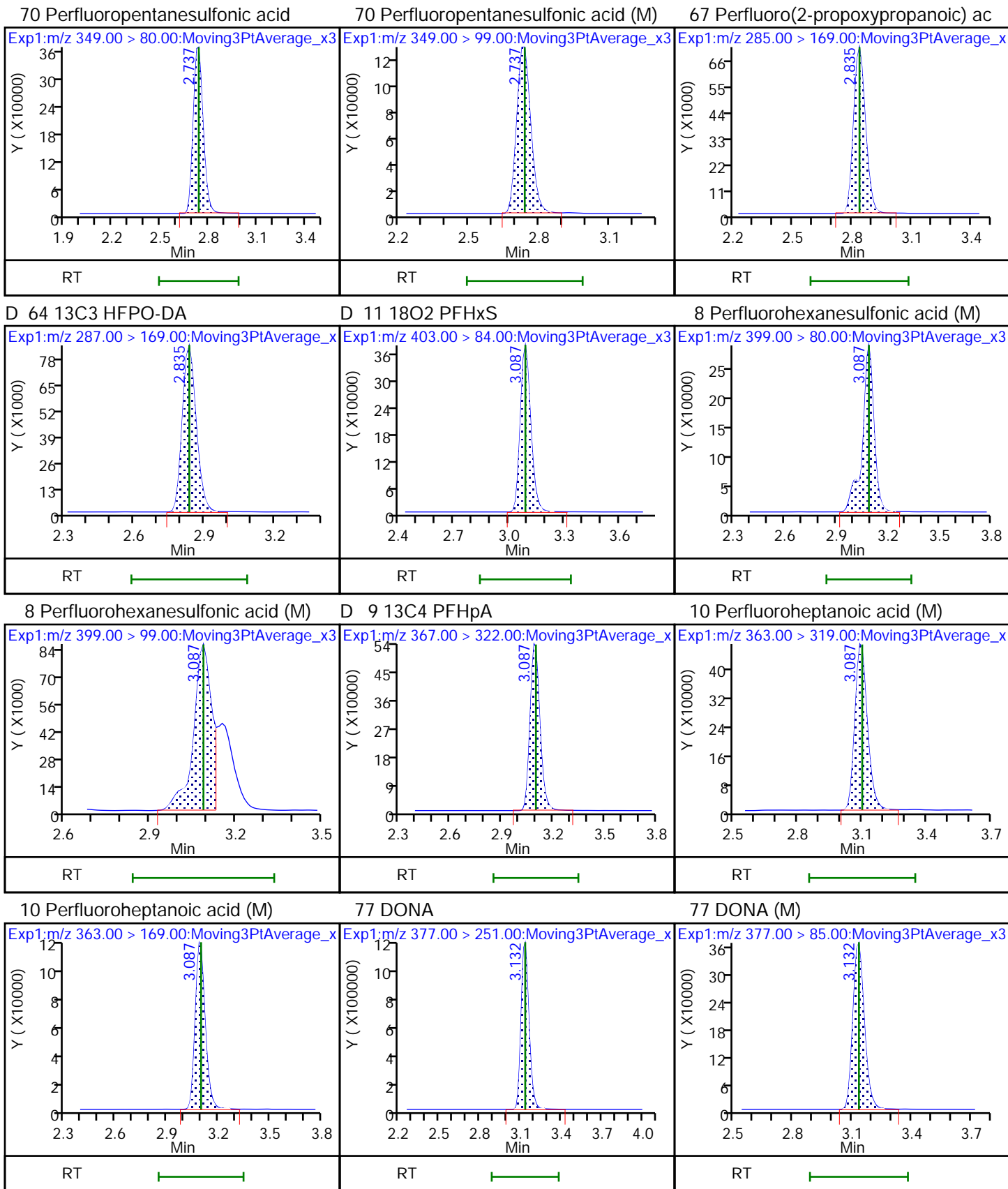
Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA (M)

2 Perfluorobutanoic acid (M)

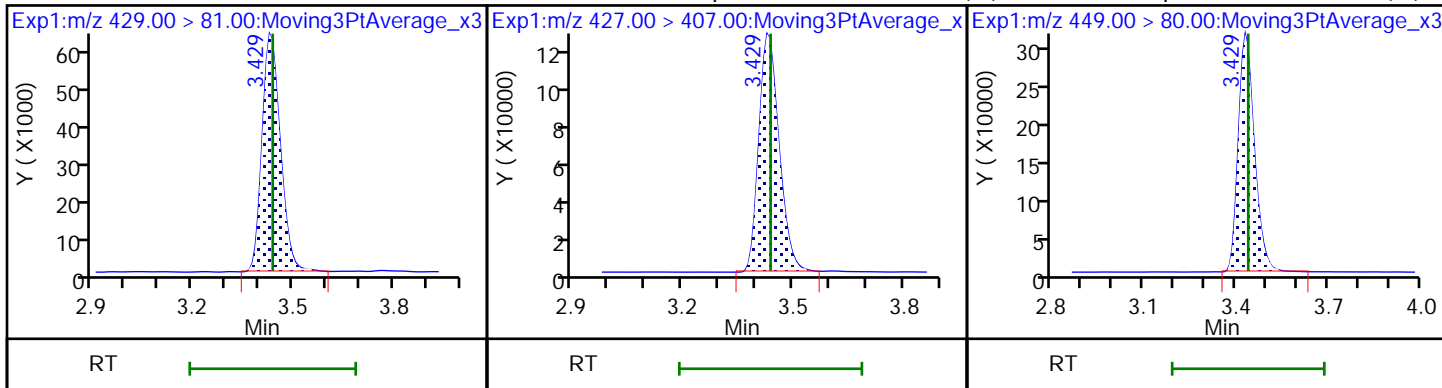
D 3 13C5 PFPeA





D 12 M2-6:2 FTS

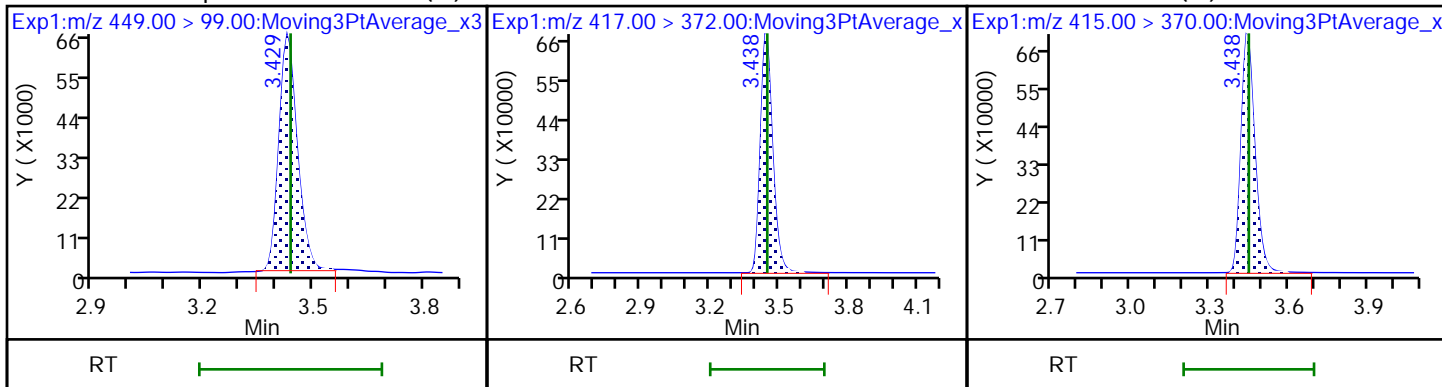
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 6 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

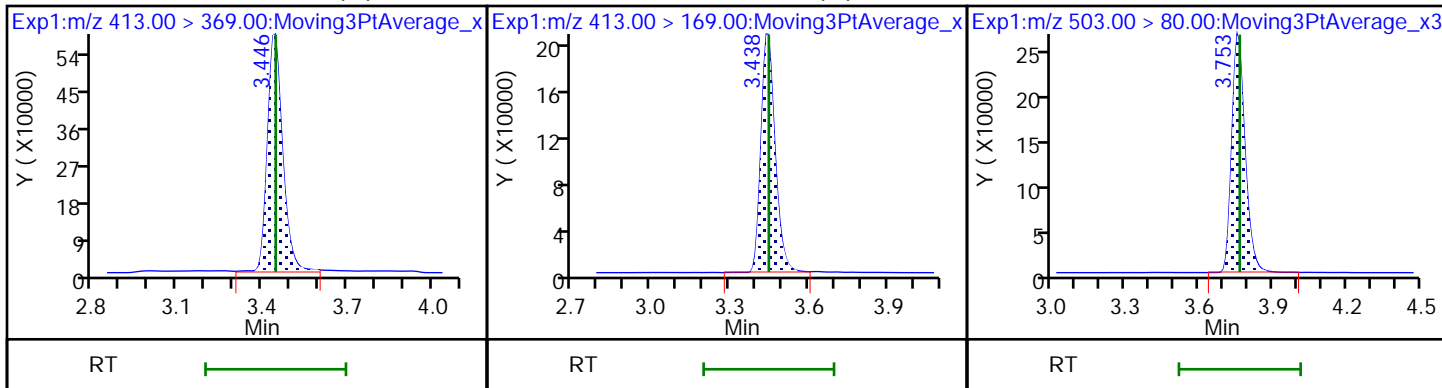
* 62 13C2 PFOA (M)



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

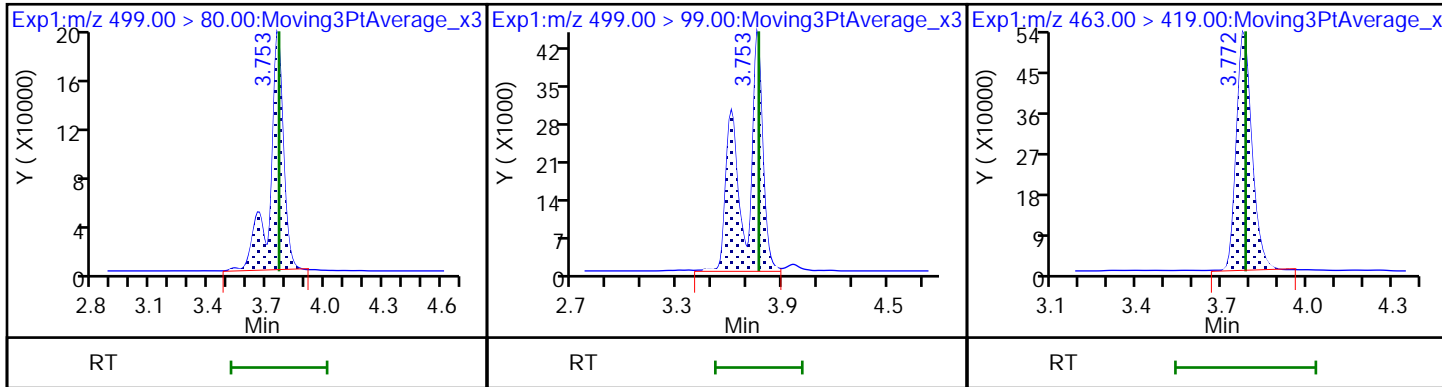
D 18 13C4 PFOS

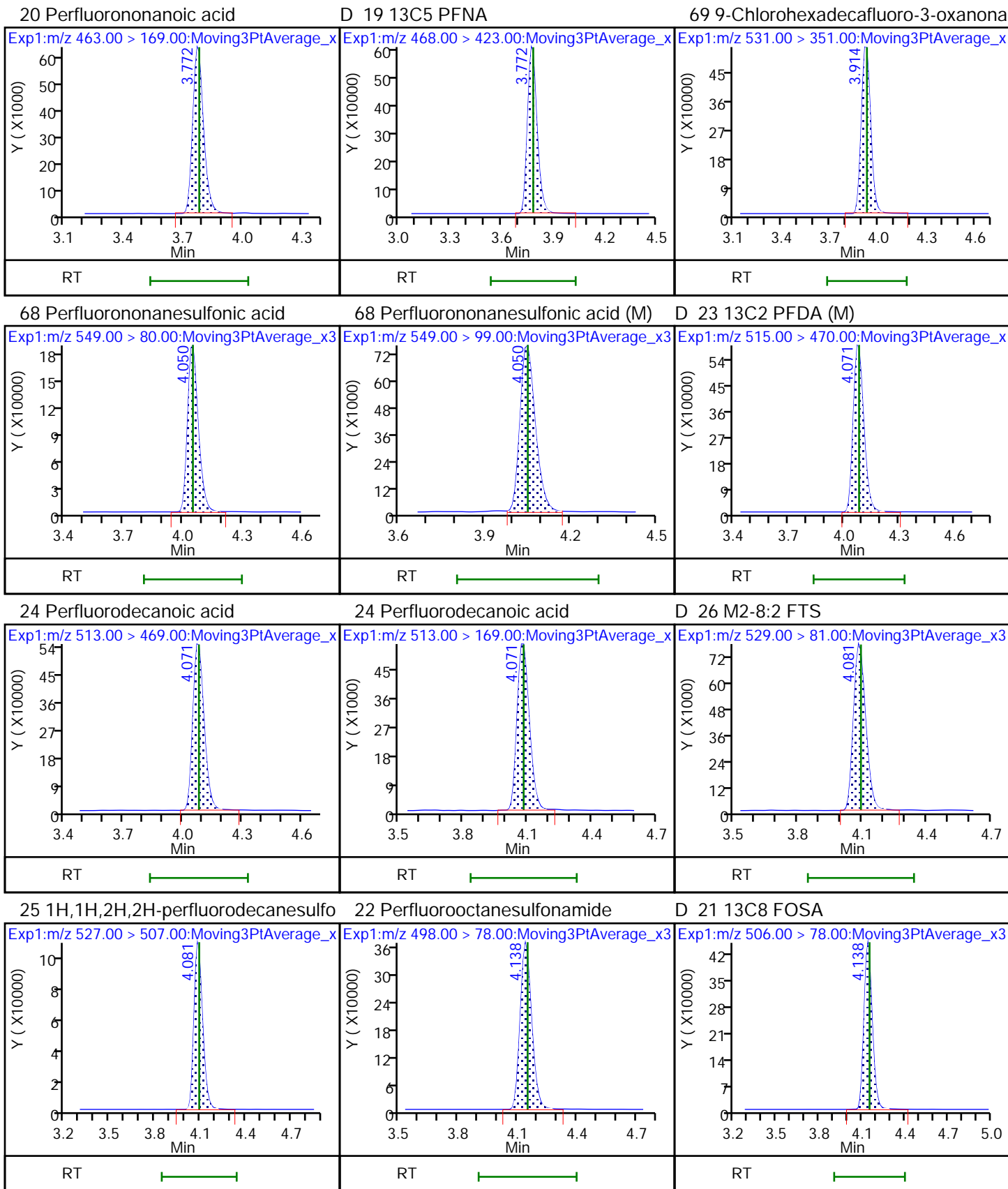


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid

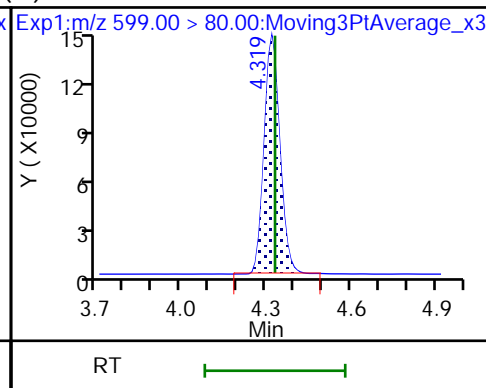
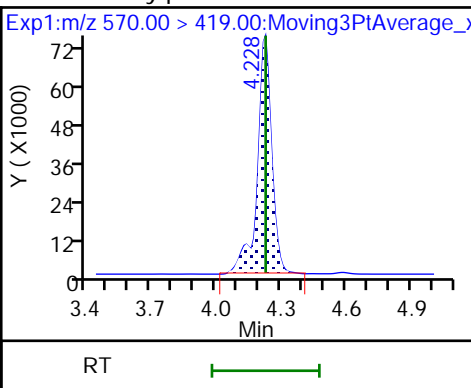
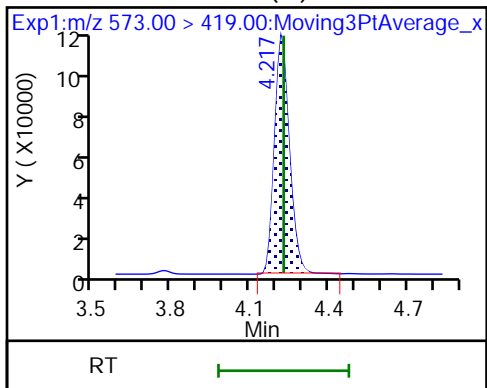




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

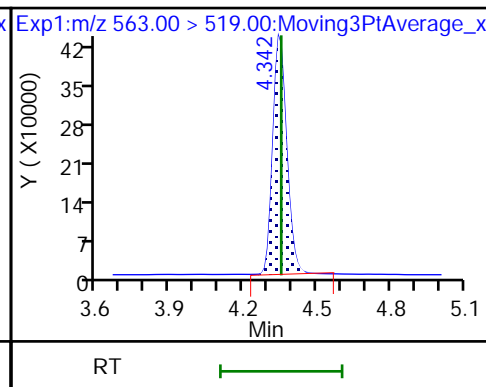
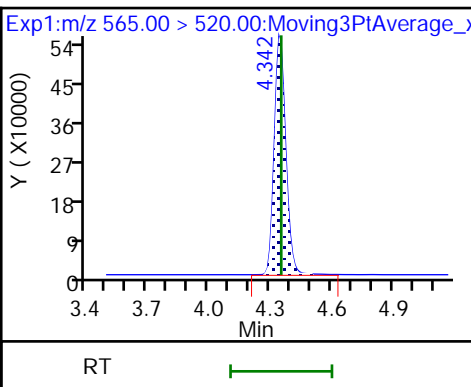
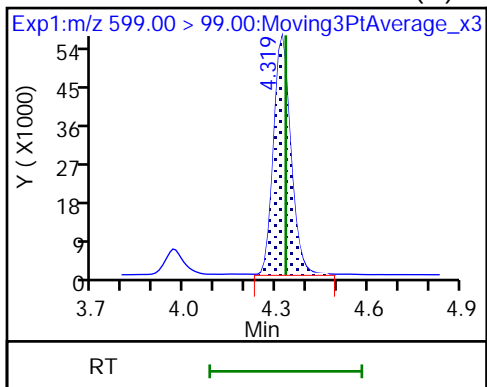
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUoA

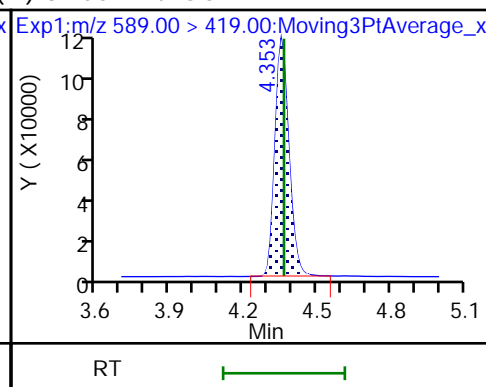
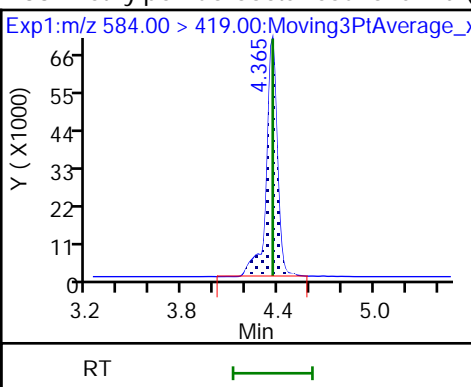
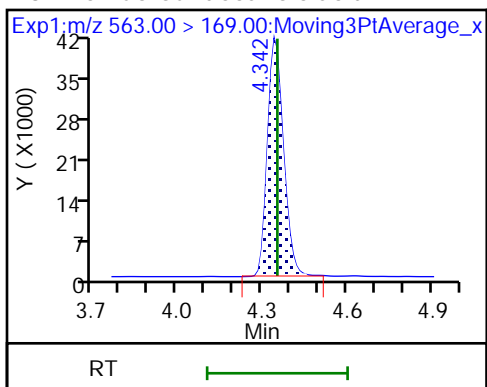
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid

33 N-ethylperfluorooctanesulfonamid (M)

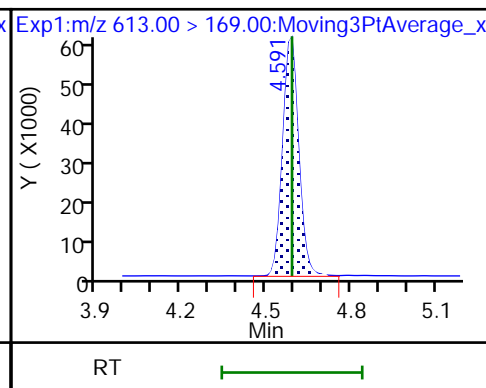
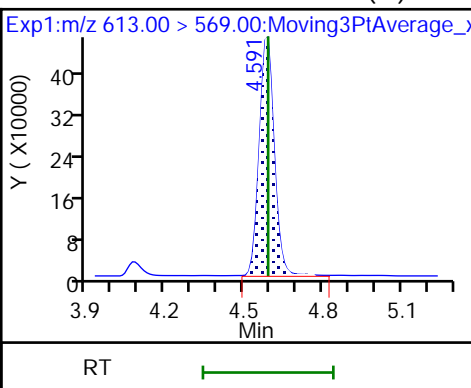
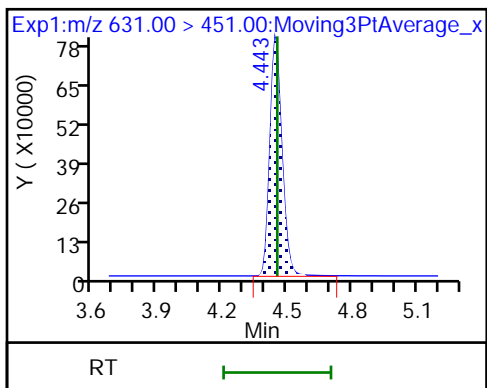
32 d5-NEtFOSAA



66 11-Chloroeicosafuoro-3-oxaundec

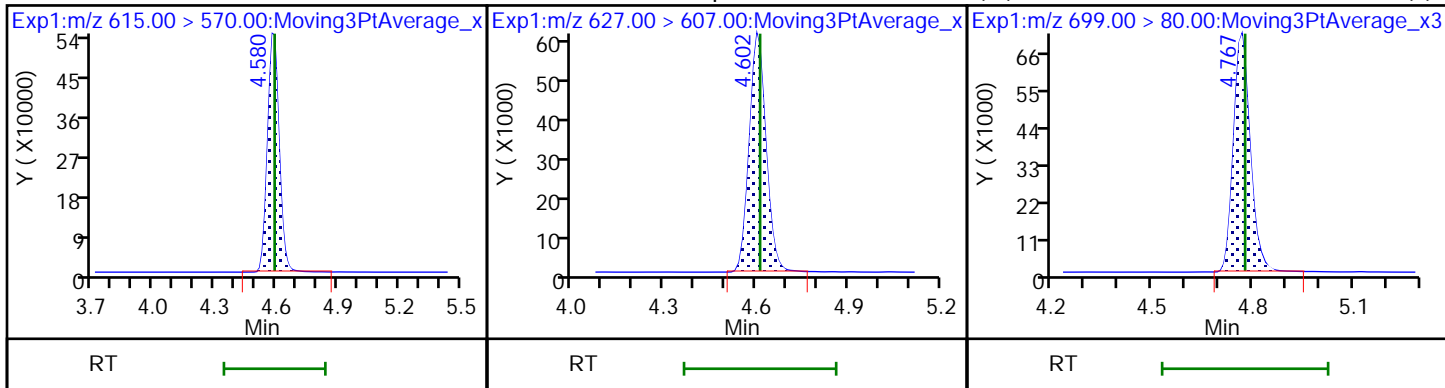
37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid



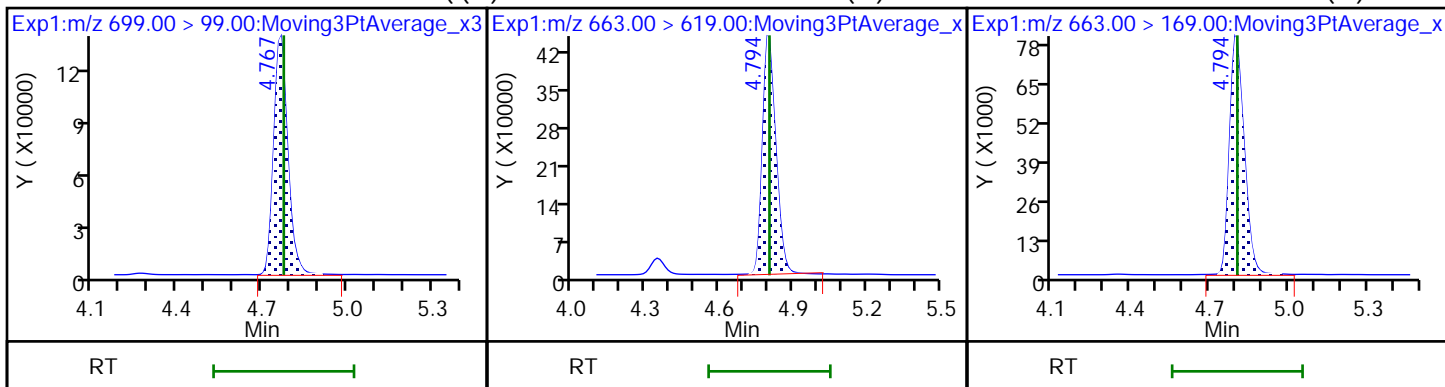
D 36 13C2 PFDoA

74 1H,1H,2H,2H-perfluorododecanesul (M) Perfluorododecanesulfonic acid (M)



75 Perfluorododecanesulfonic acid (M) 41 Perfluorotridecanoic acid (M)

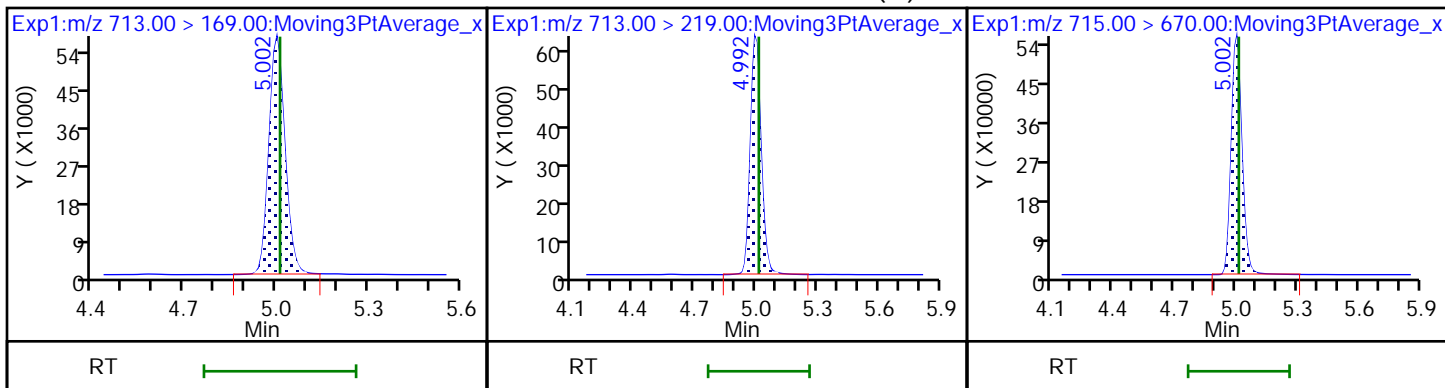
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid

42 Perfluorotetradecanoic acid (M)

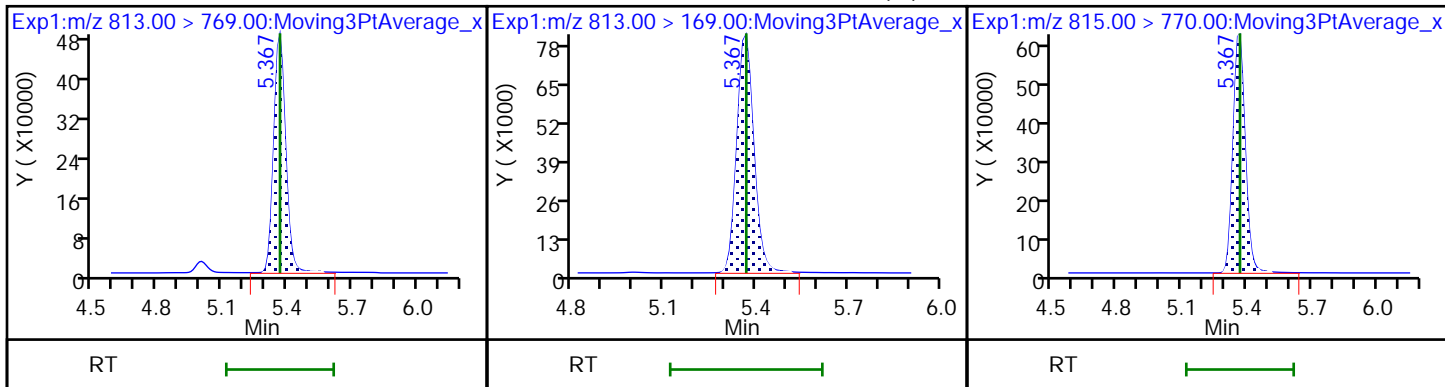
D 43 13C2 PFTeDA



45 Perfluorohexadecanoic acid

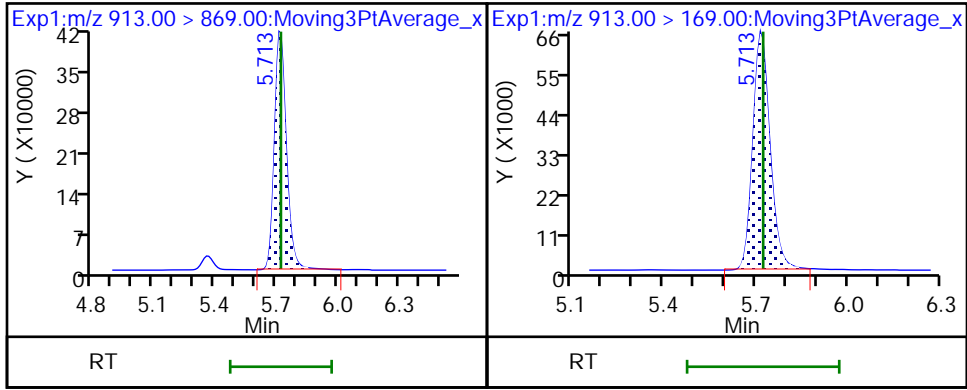
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid



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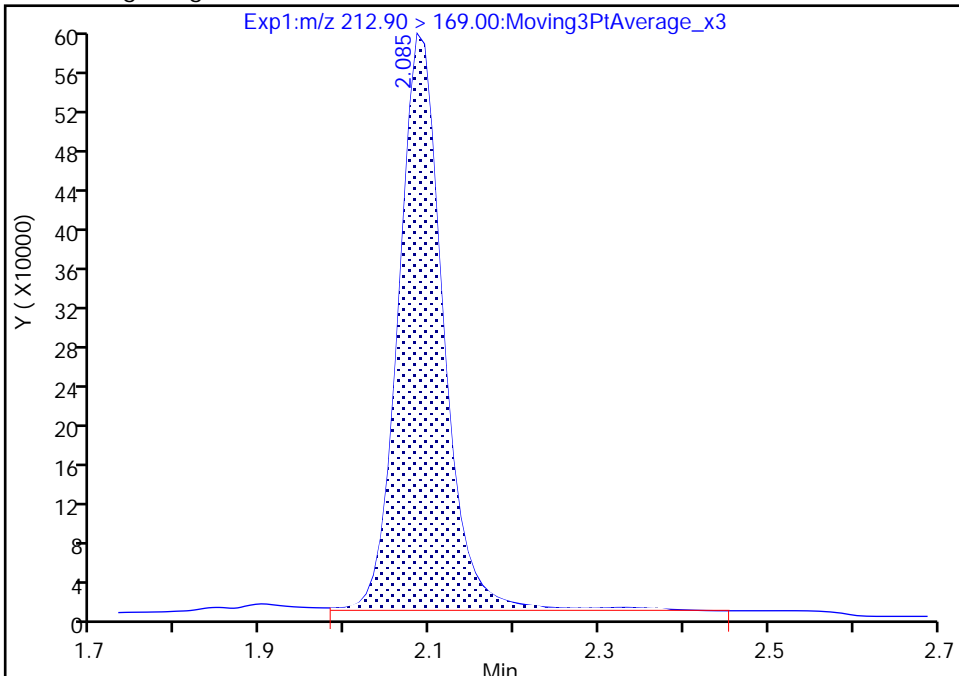
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Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

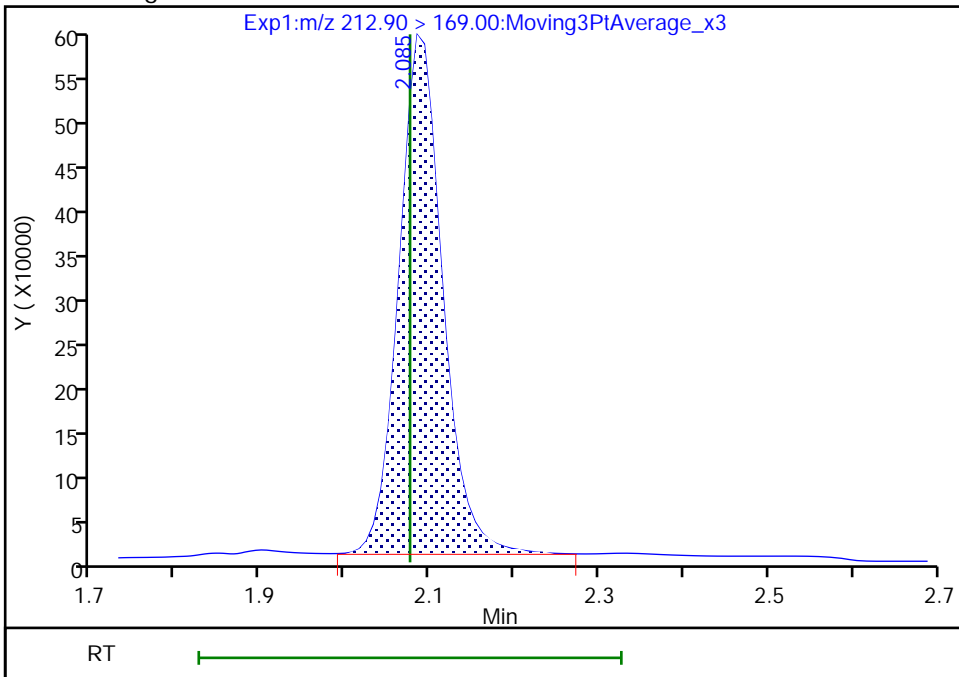
RT: 2.08
Area: 2172984
Amount: 1.035427
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 2092924
Amount: 0.997278
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:09:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

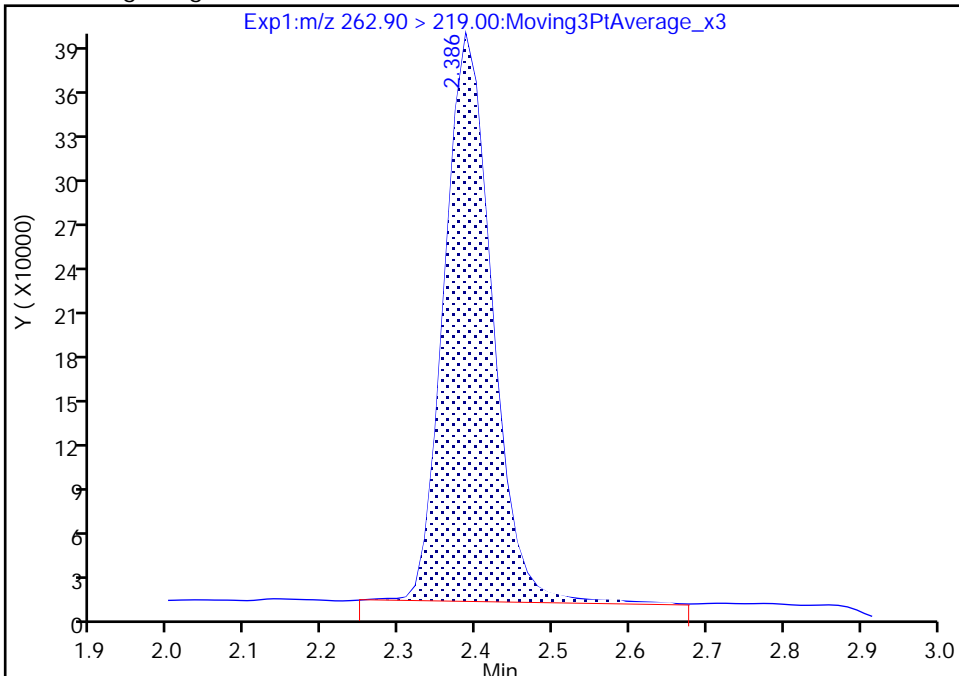
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Lims ID: 460-270311-A-2-B MS
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

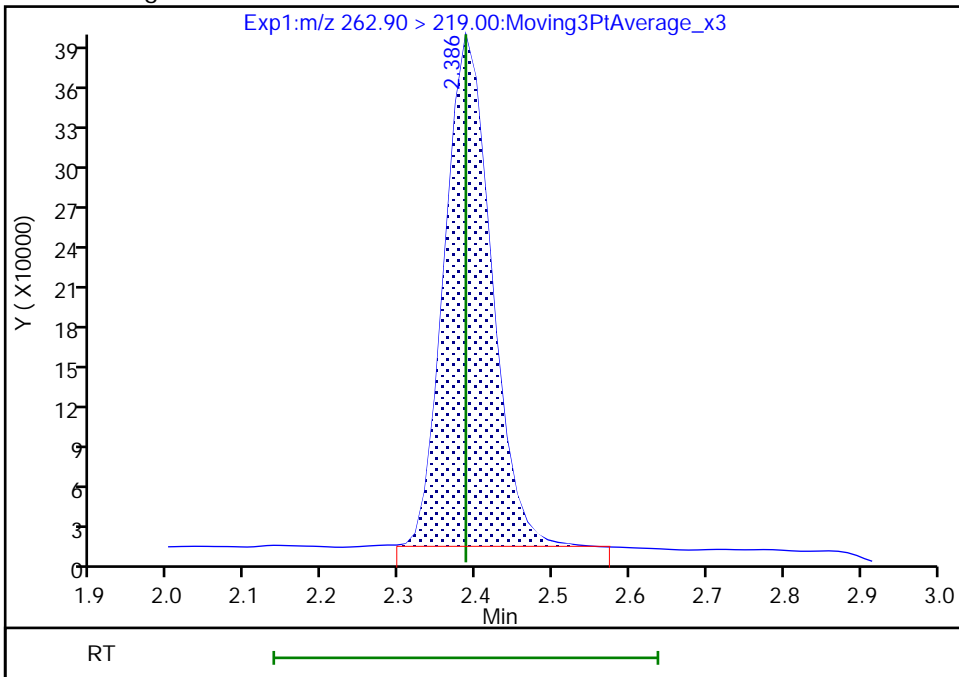
RT: 2.39
Area: 1650428
Amount: 1.030562
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 1616683
Amount: 1.009491
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:09:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

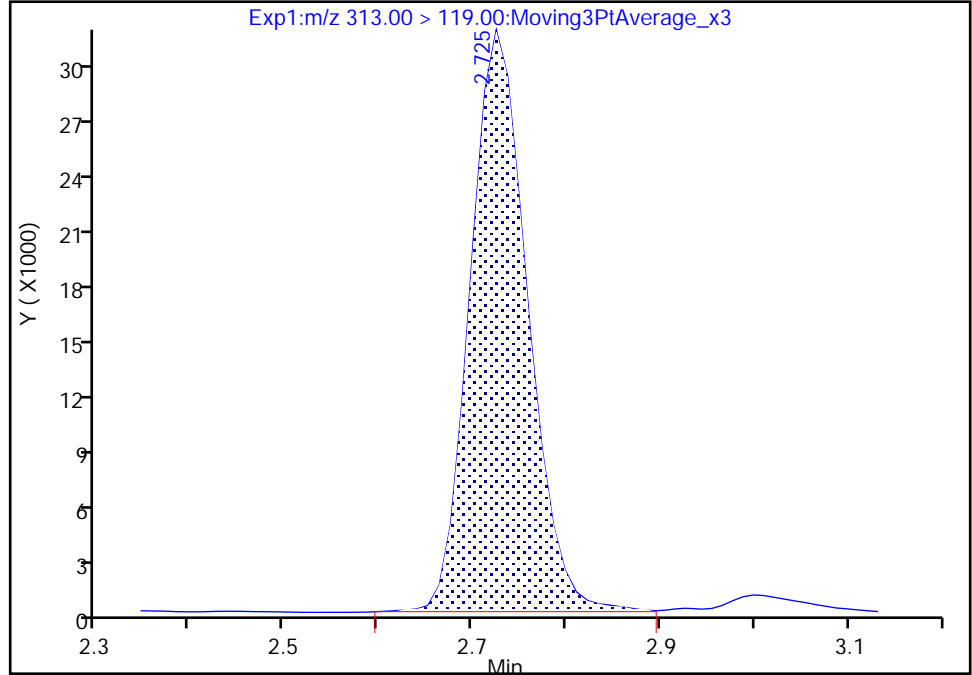
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A10.d
Injection Date: 08-Dec-2022 16:02:12 Instrument ID: LC812
Lims ID: 460-270311-A-2-B MS
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

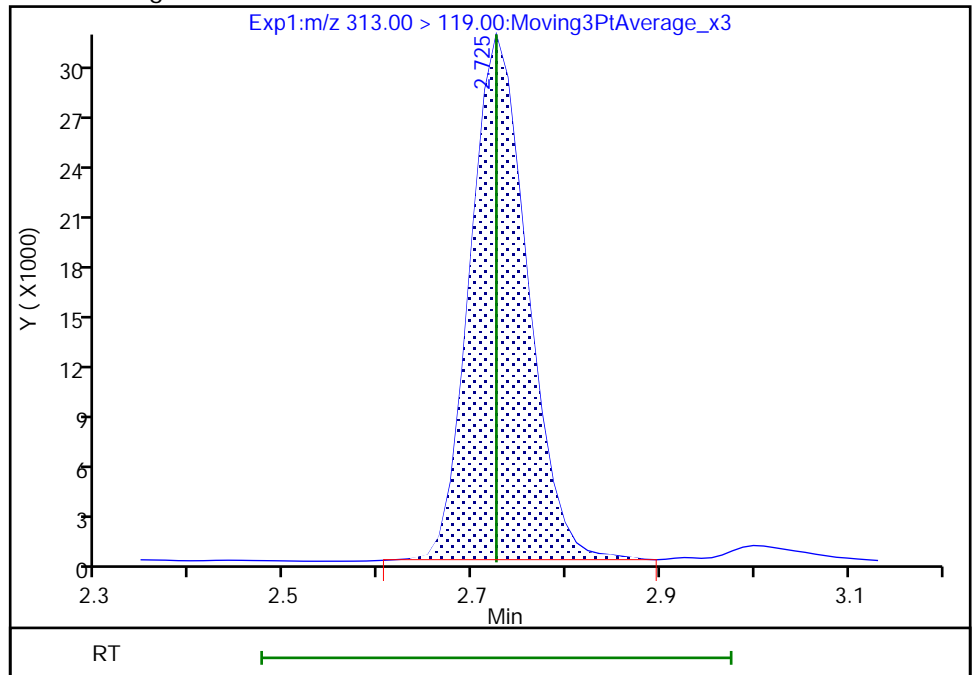
RT: 2.73
Area: 132042
Amount: 0.985922
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 131421
Amount: 0.979776
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:10:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

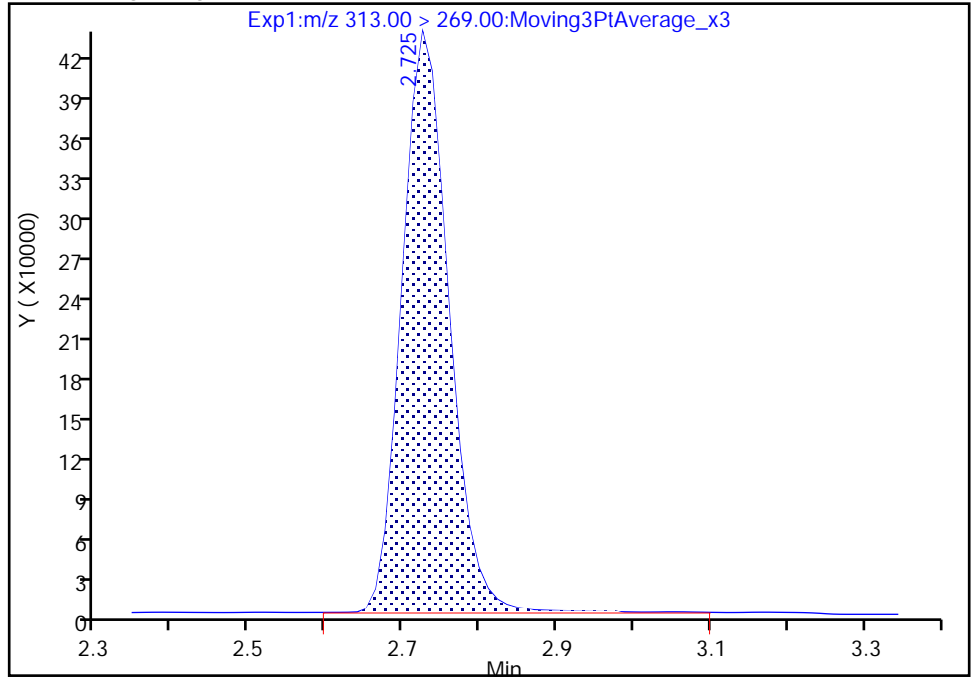
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A10.d
Injection Date: 08-Dec-2022 16:02:12 Instrument ID: LC812
Lims ID: 460-270311-A-2-B MS
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

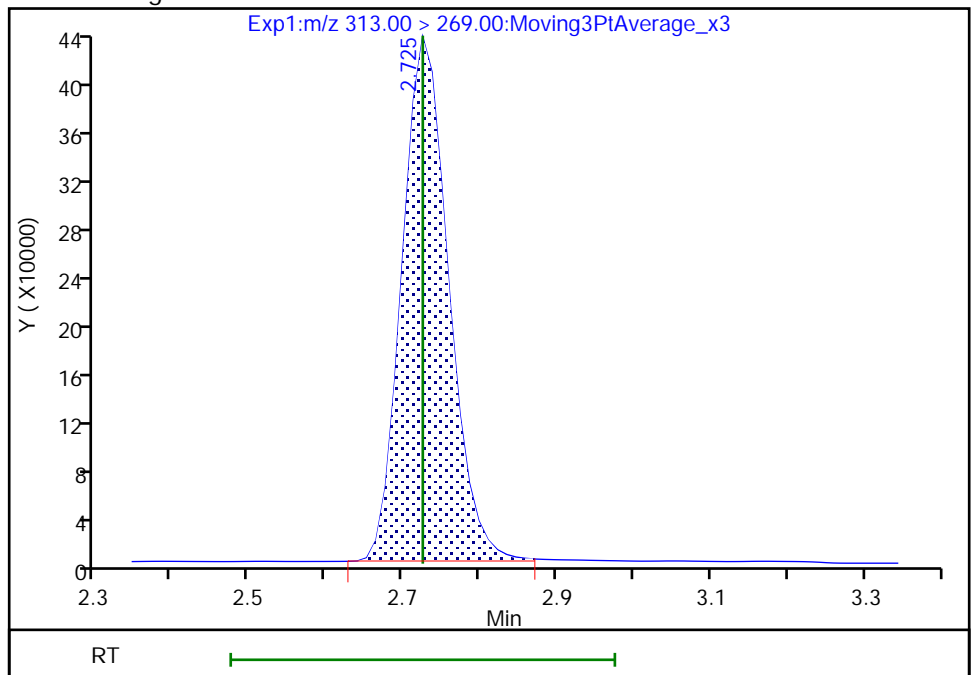
RT: 2.73
Area: 1824619
Amount: 0.985922
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 1813245
Amount: 0.979776
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:10:14

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

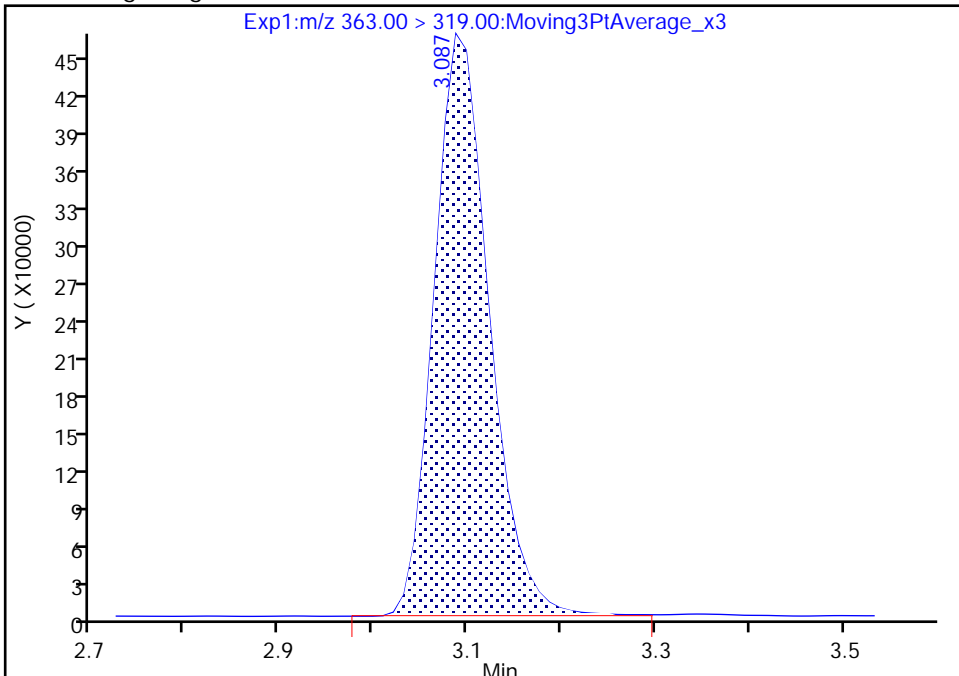
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A10.d
Injection Date: 08-Dec-2022 16:02:12 Instrument ID: LC812
Lims ID: 460-270311-A-2-B MS
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

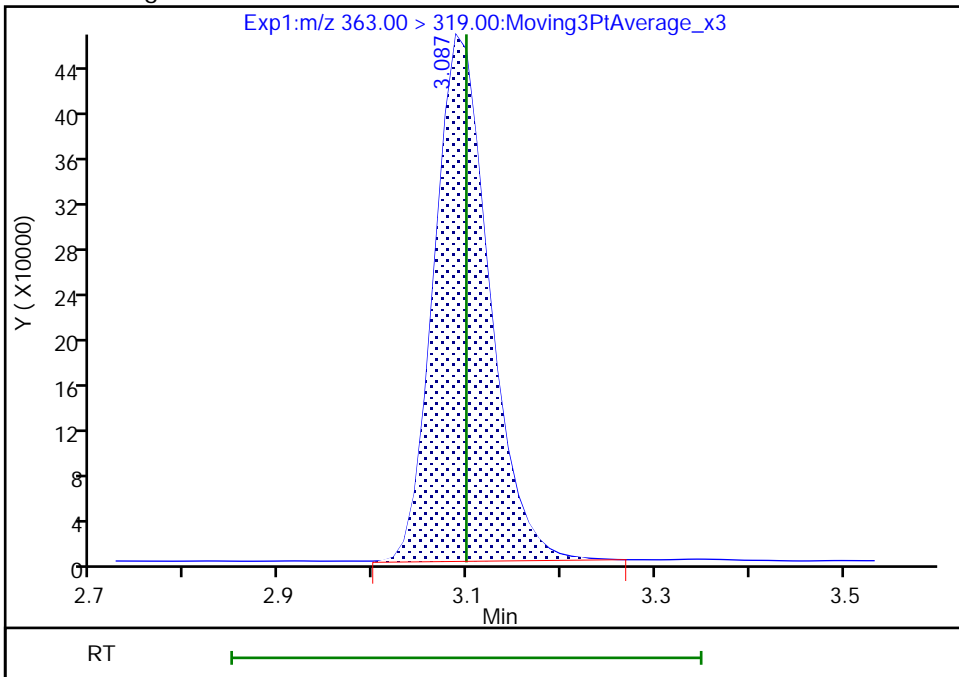
RT: 3.09
Area: 1893142
Amount: 1.011776
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 1885262
Amount: 1.007564
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:10:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

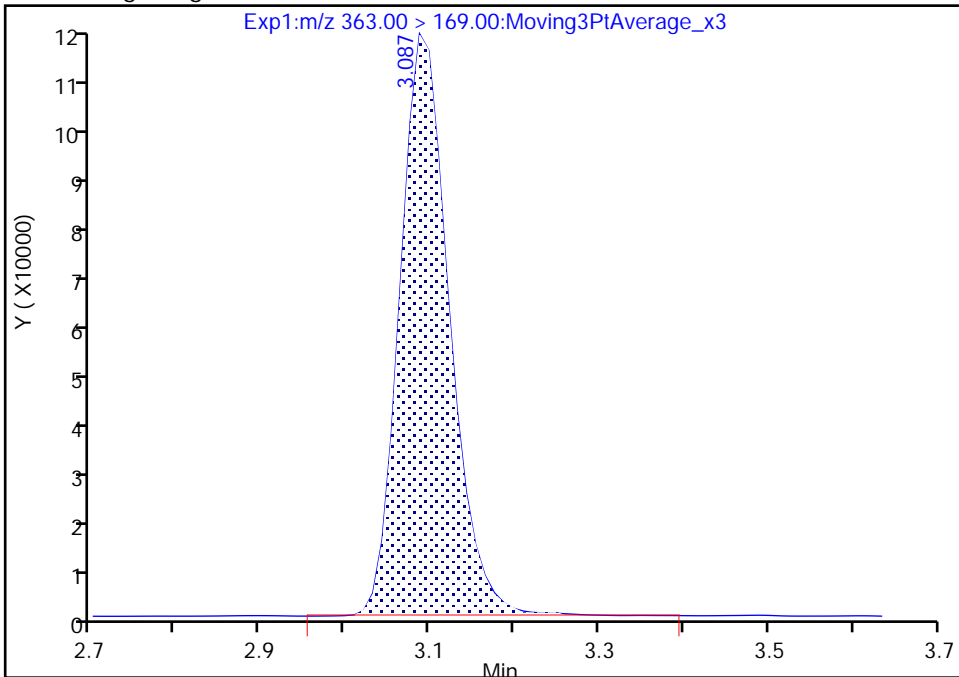
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A10.d
Injection Date: 08-Dec-2022 16:02:12 Instrument ID: LC812
Lims ID: 460-270311-A-2-B MS
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

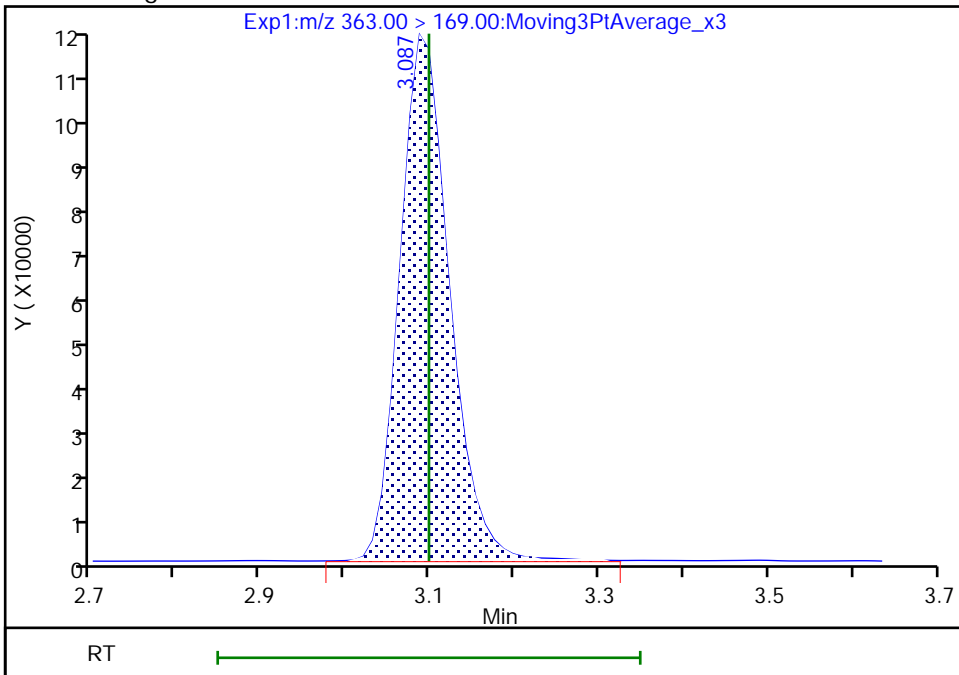
RT: 3.09
Area: 475663
Amount: 1.011776
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 475055
Amount: 1.007564
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:10:51

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

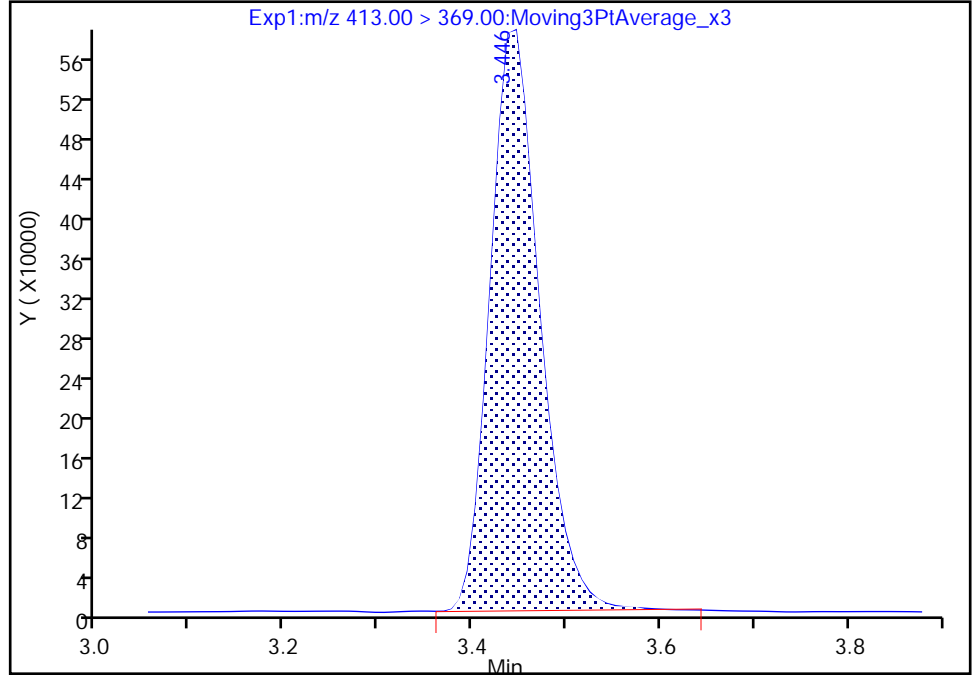
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A10.d
Injection Date: 08-Dec-2022 16:02:12 Instrument ID: LC812
Lims ID: 460-270311-A-2-B MS
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

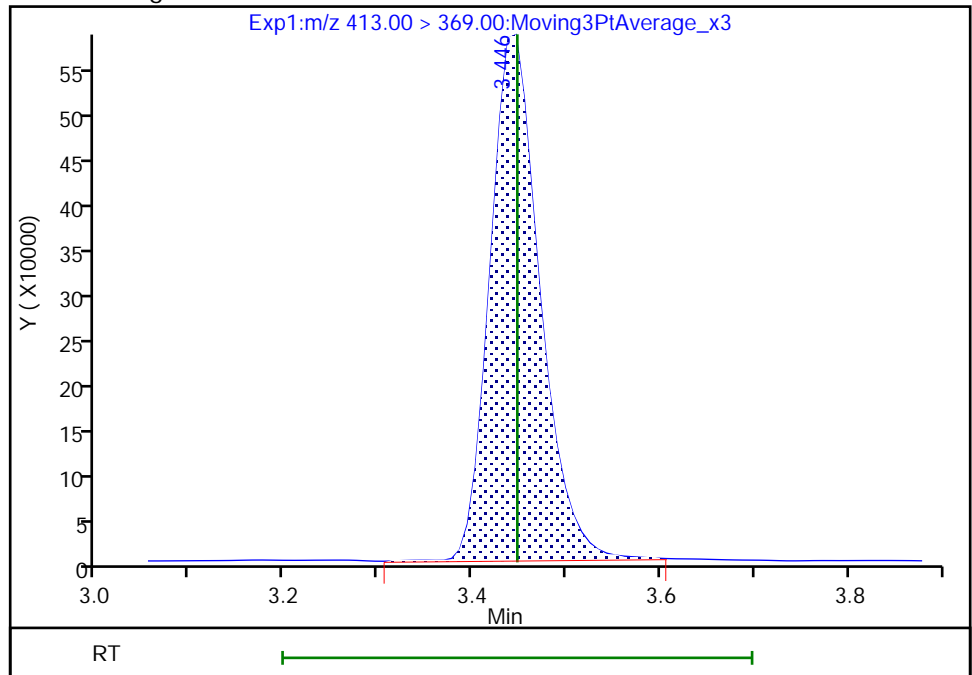
RT: 3.45
Area: 2144200
Amount: 0.998657
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 2161547
Amount: 1.006736
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:11:30
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

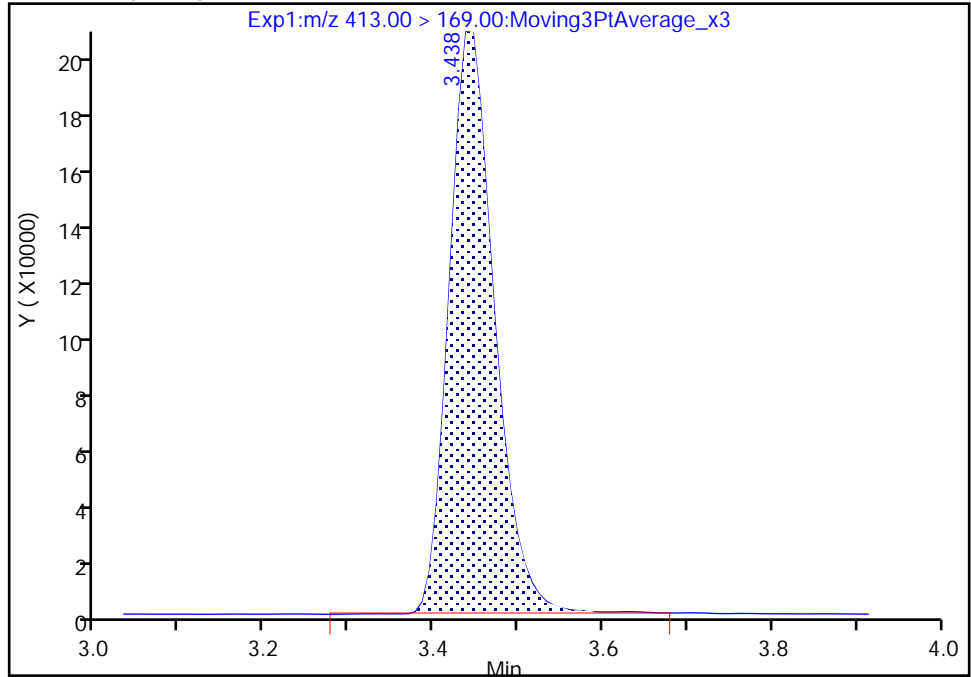
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A10.d
Injection Date: 08-Dec-2022 16:02:12 Instrument ID: LC812
Lims ID: 460-270311-A-2-B MS
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

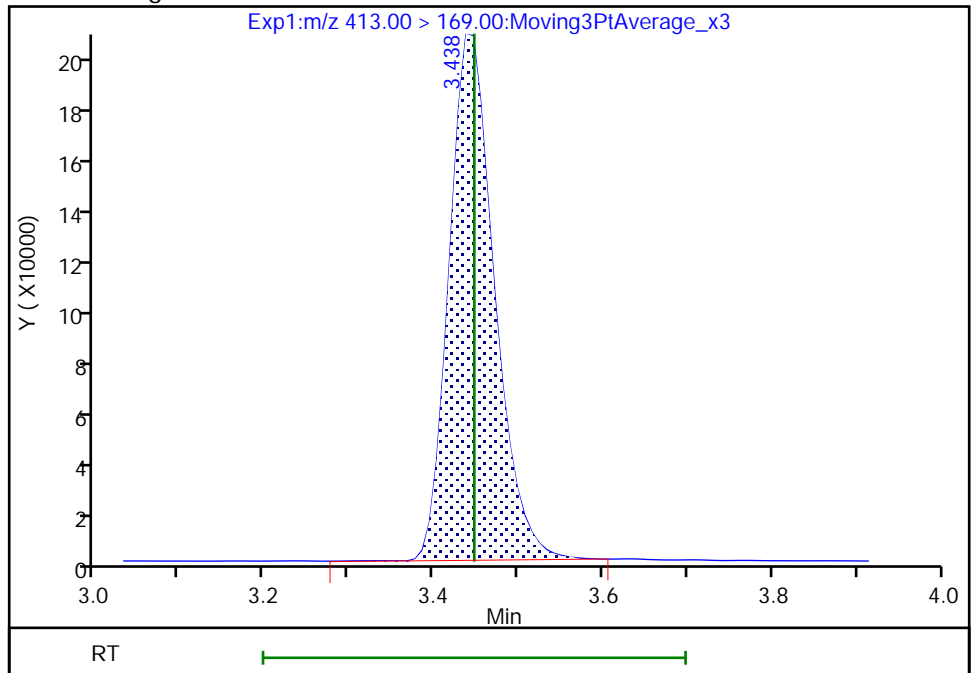
RT: 3.44
Area: 778183
Amount: 0.998657
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 776847
Amount: 1.006736
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 15:11:41

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

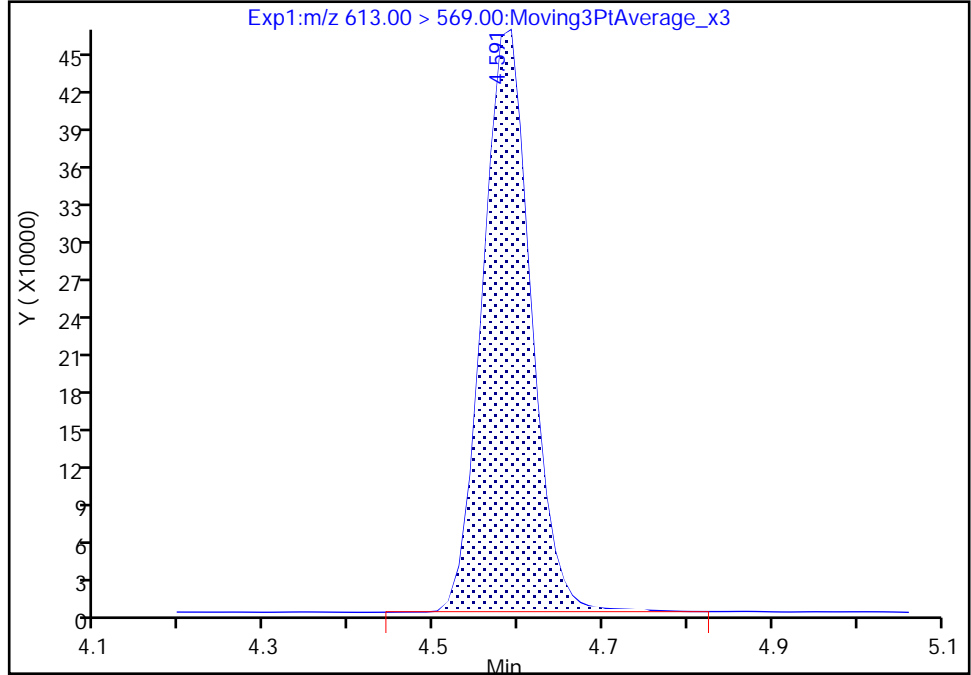
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A10.d
Injection Date: 08-Dec-2022 16:02:12 Instrument ID: LC812
Lims ID: 460-270311-A-2-B MS
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

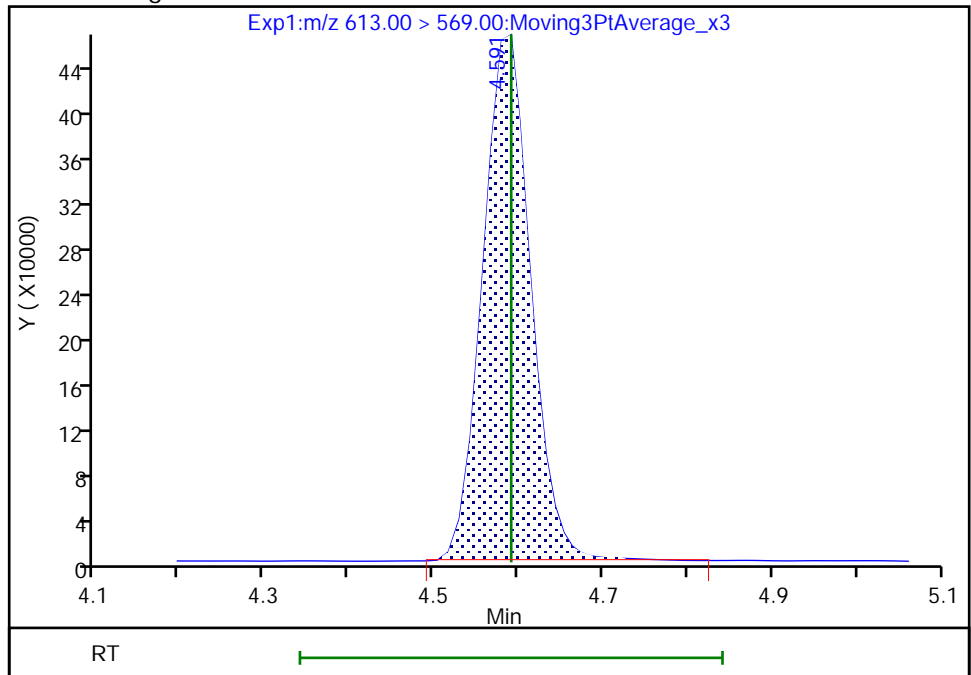
RT: 4.59
Area: 1848411
Amount: 1.015396
Amount Units: ng/ml

Processing Integration Results



RT: 4.59
Area: 1846805
Amount: 1.014514
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:13:13
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

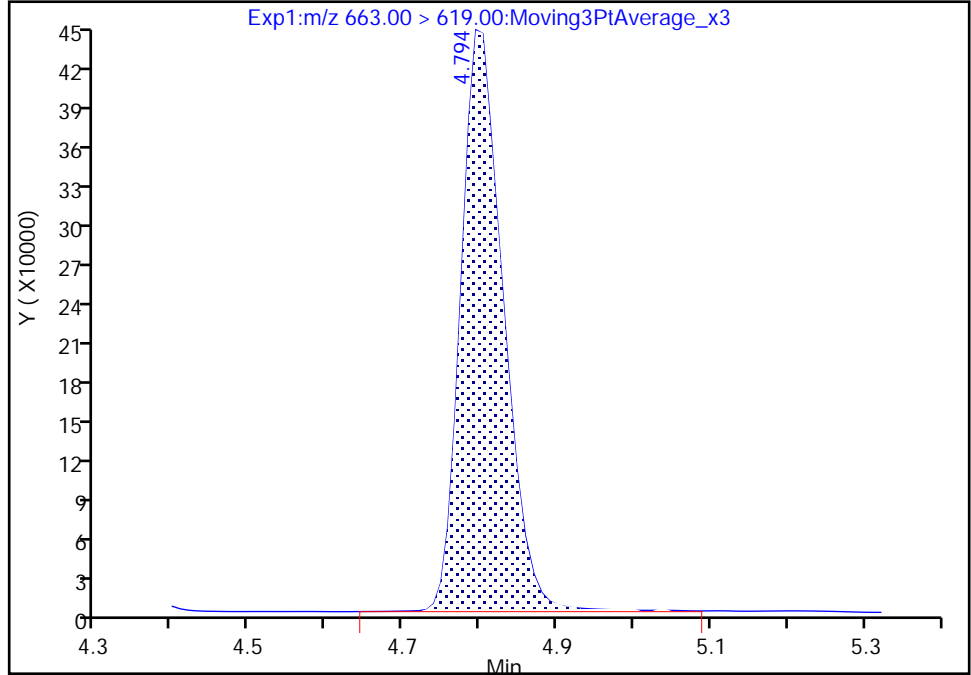
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A10.d
Injection Date: 08-Dec-2022 16:02:12 Instrument ID: LC812
Lims ID: 460-270311-A-2-B MS
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

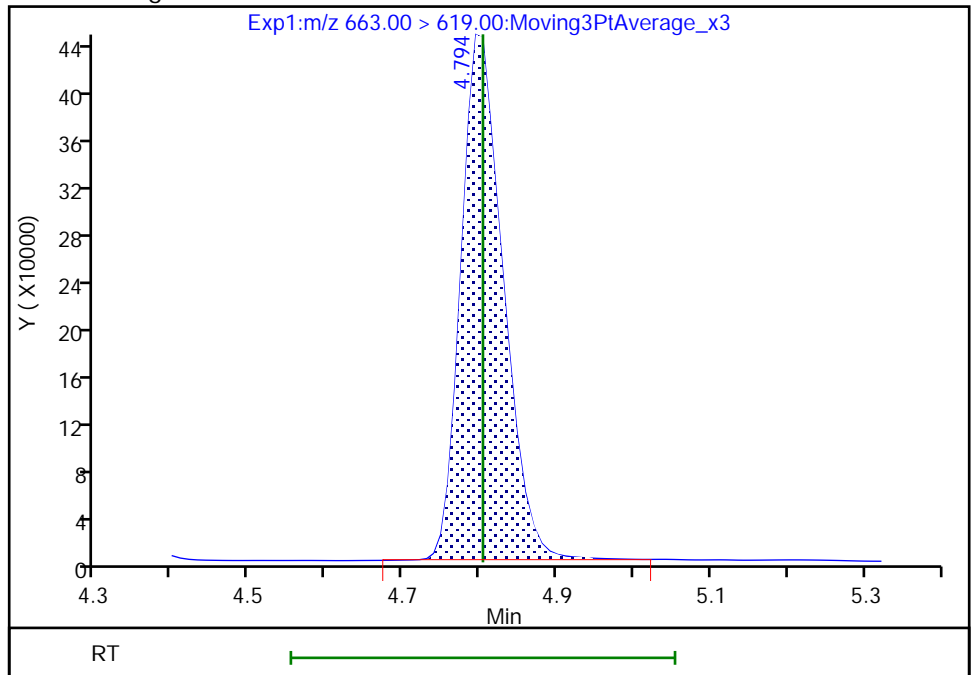
RT: 4.79
Area: 1716212
Amount: 0.985793
Amount Units: ng/ml

Processing Integration Results



RT: 4.79
Area: 1708462
Amount: 0.981341
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:13:42
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

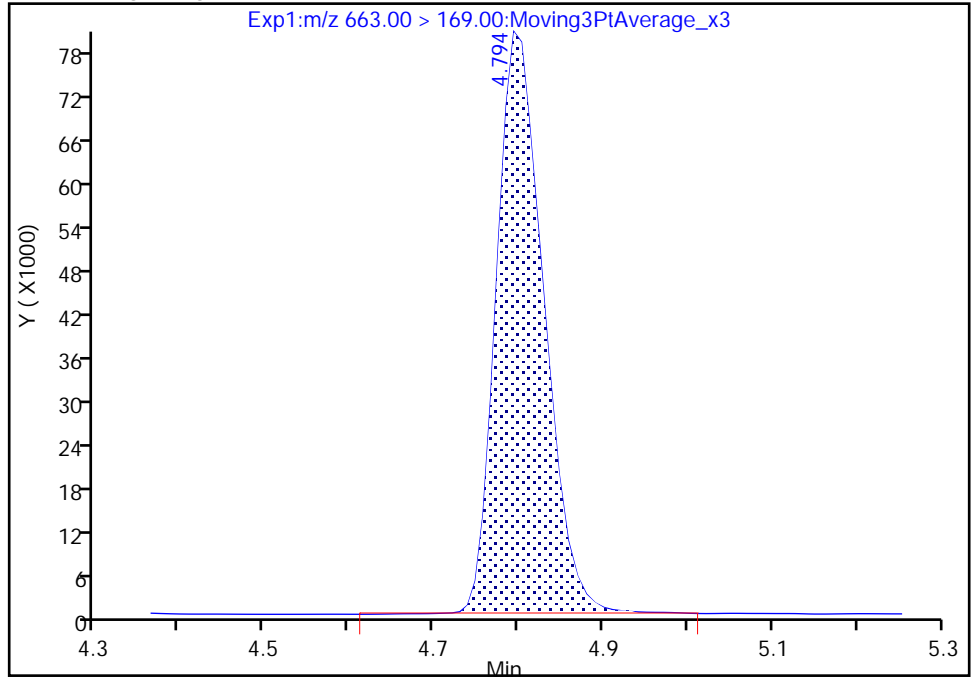
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A10.d
Injection Date: 08-Dec-2022 16:02:12 Instrument ID: LC812
Lims ID: 460-270311-A-2-B MS
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

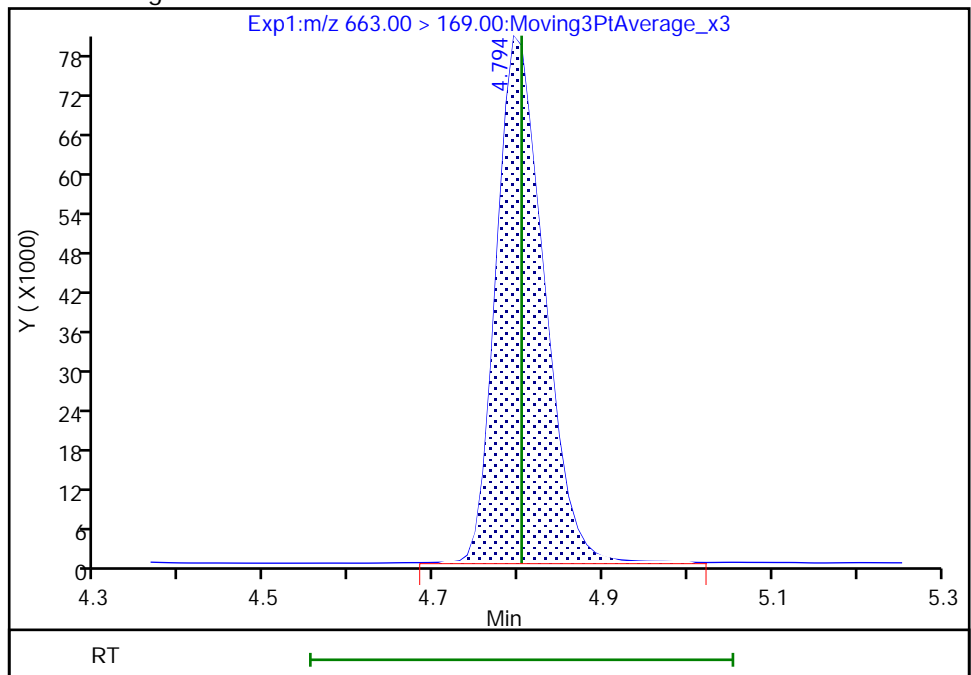
RT: 4.79
Area: 311646
Amount: 0.985793
Amount Units: ng/ml

Processing Integration Results



RT: 4.79
Area: 310870
Amount: 0.981341
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 15:13:54

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

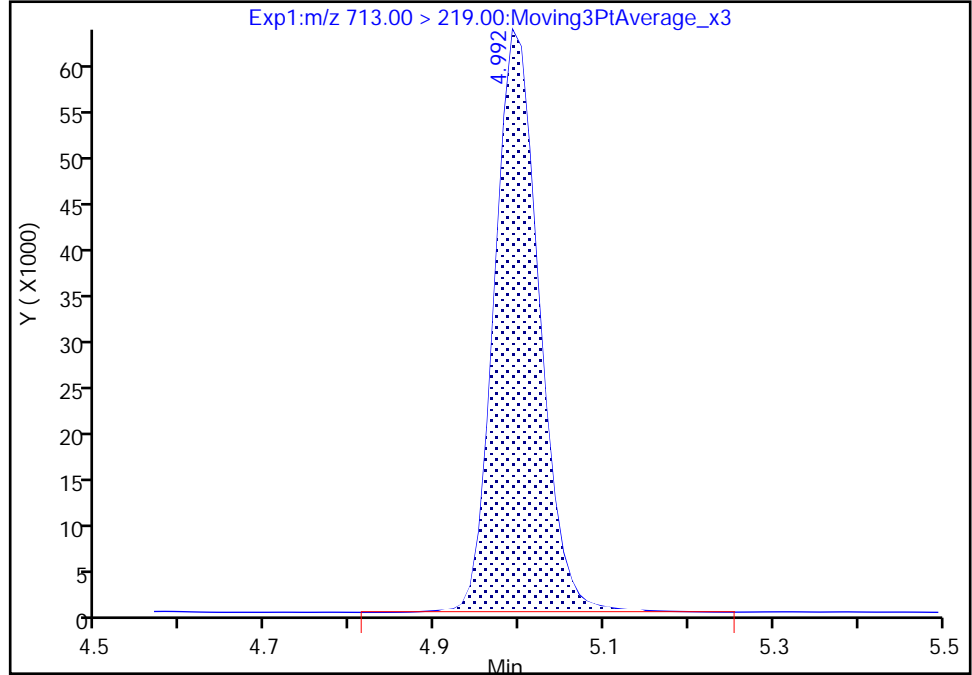
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A10.d
Injection Date: 08-Dec-2022 16:02:12 Instrument ID: LC812
Lims ID: 460-270311-A-2-B MS
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

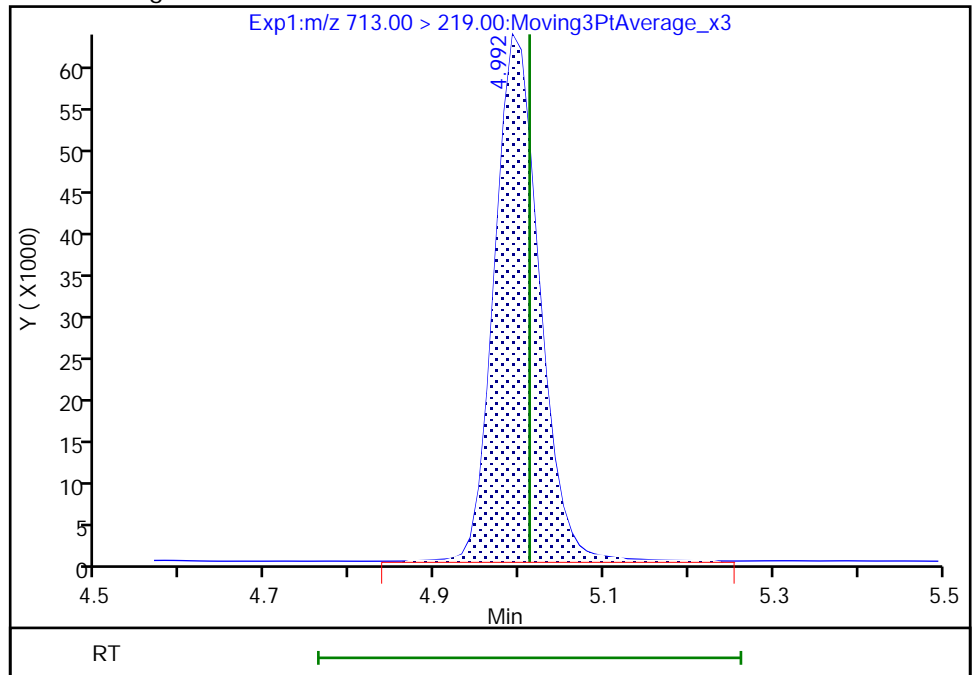
RT: 4.99
Area: 234277
Amount: 0.958333
Amount Units: ng/ml

Processing Integration Results



RT: 4.99
Area: 234149
Amount: 0.958333
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:14:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

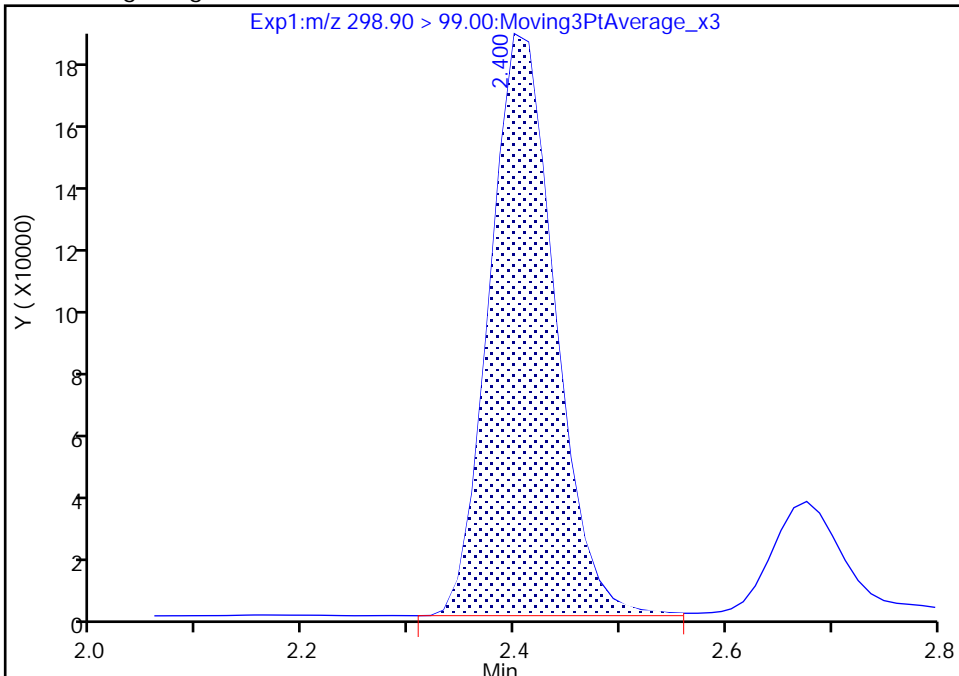
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A10.d
Injection Date: 08-Dec-2022 16:02:12 Instrument ID: LC812
Lims ID: 460-270311-A-2-B MS
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

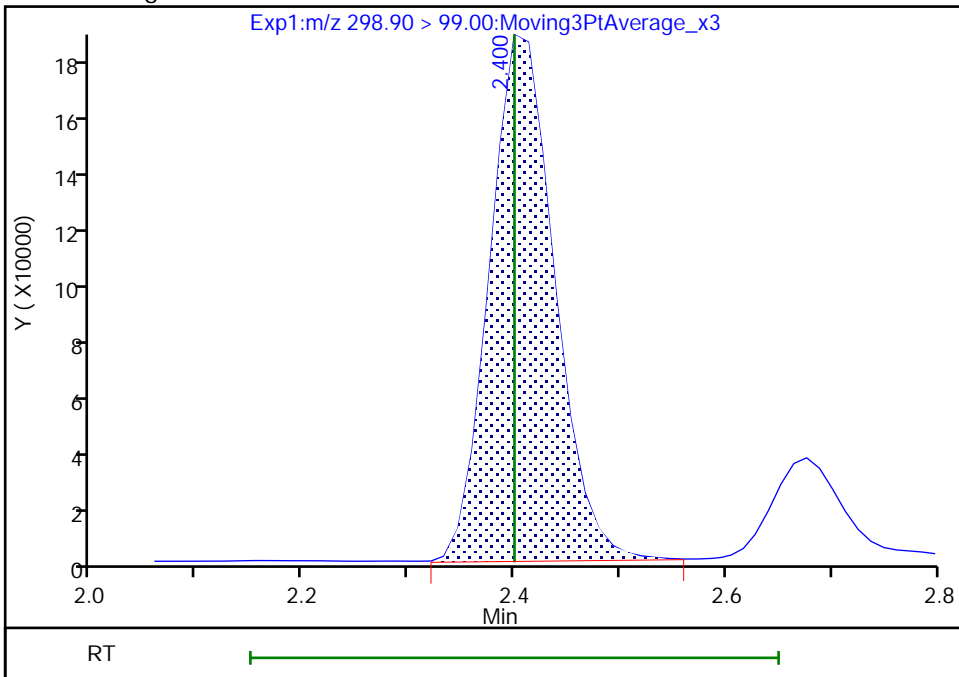
RT: 2.40
Area: 807794
Amount: 0.868197
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 800020
Amount: 0.865703
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:09:55
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

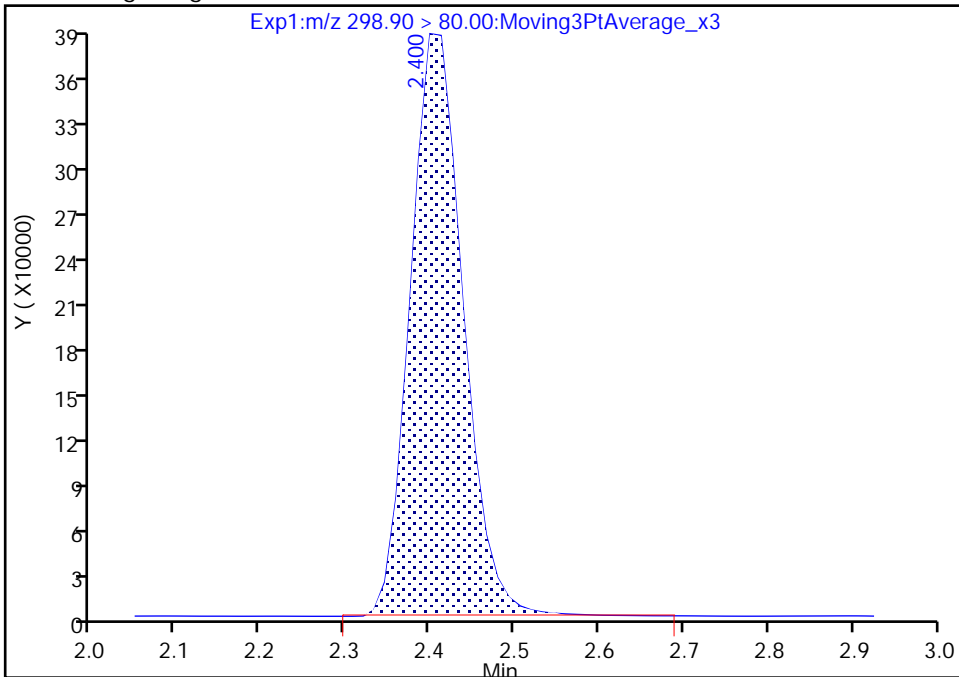
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A10.d
Injection Date: 08-Dec-2022 16:02:12 Instrument ID: LC812
Lims ID: 460-270311-A-2-B MS
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

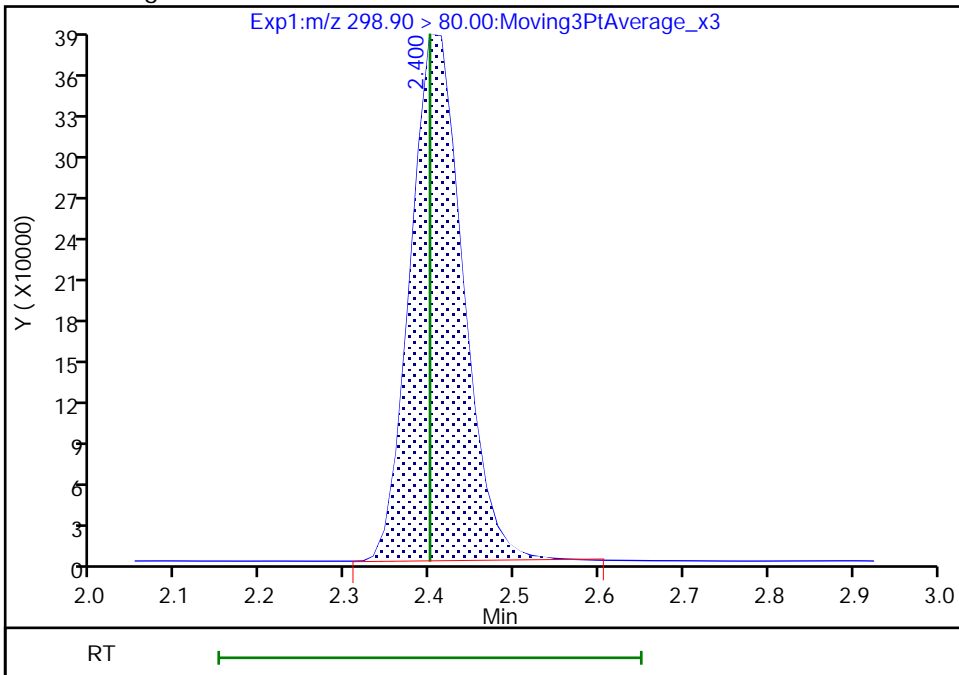
RT: 2.40
Area: 1676558
Amount: 0.868197
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 1671743
Amount: 0.865703
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 15:10:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

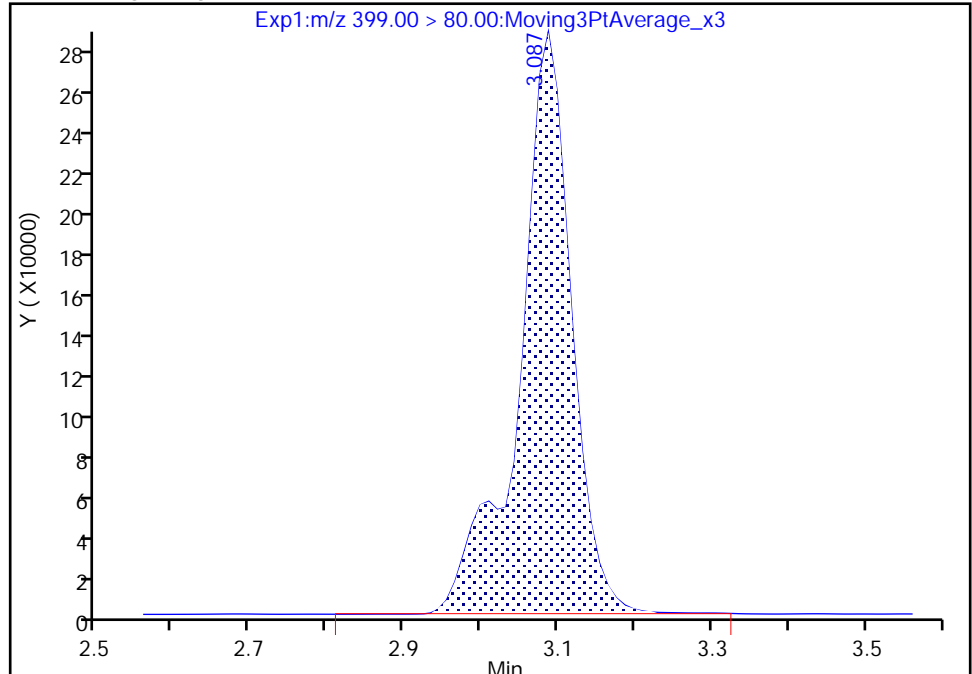
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A10.d
Injection Date: 08-Dec-2022 16:02:12 Instrument ID: LC812
Lims ID: 460-270311-A-2-B MS
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

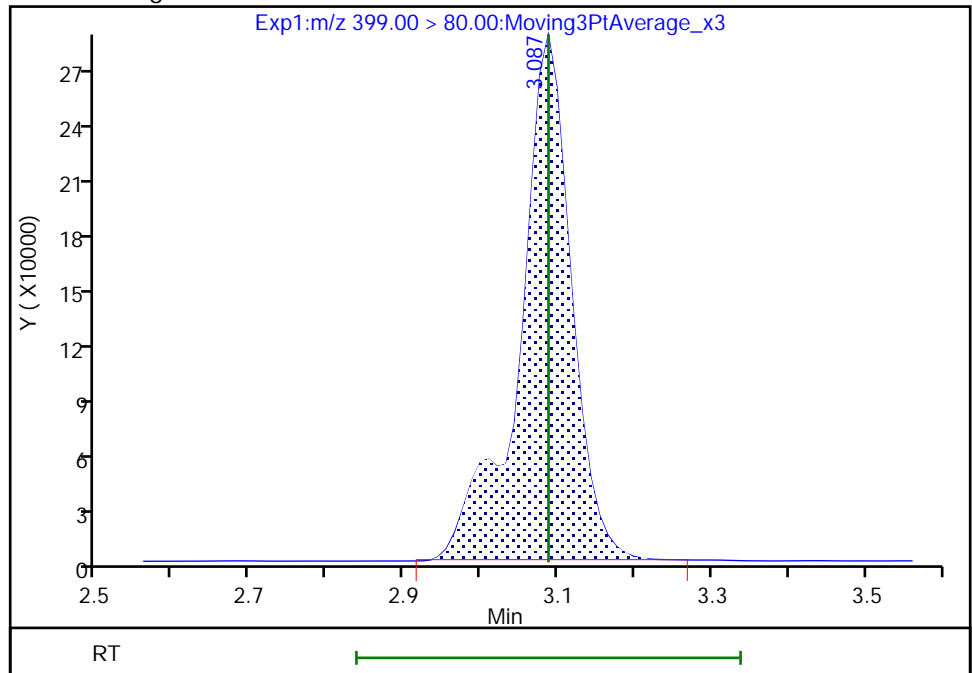
RT: 3.09
Area: 1344628
Amount: 0.951782
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 1340619
Amount: 0.948945
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:10:30
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

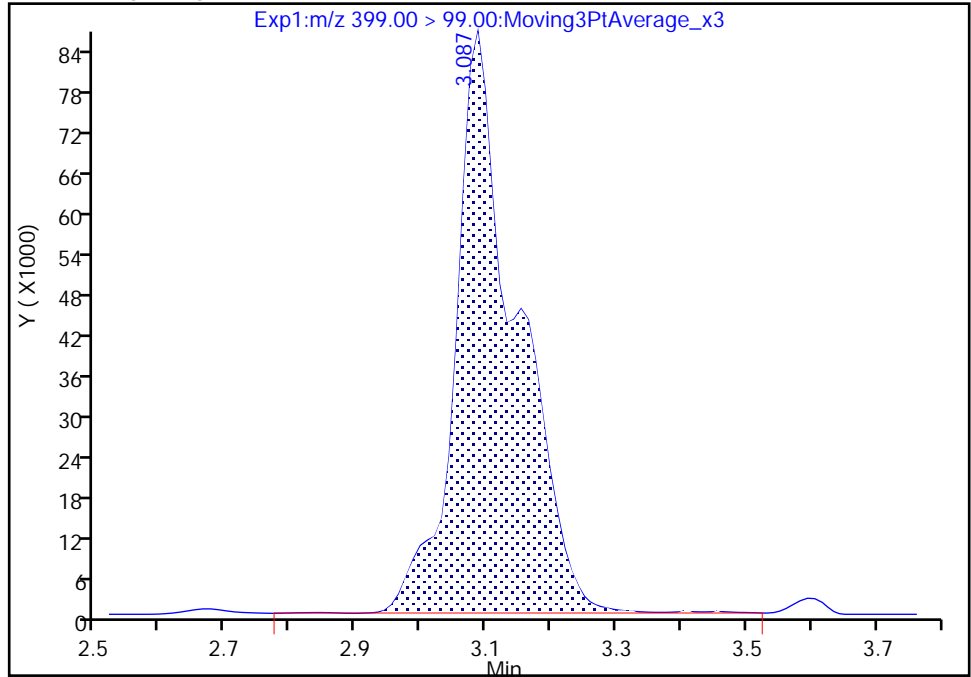
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A10.d
Injection Date: 08-Dec-2022 16:02:12 Instrument ID: LC812
Lims ID: 460-270311-A-2-B MS
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

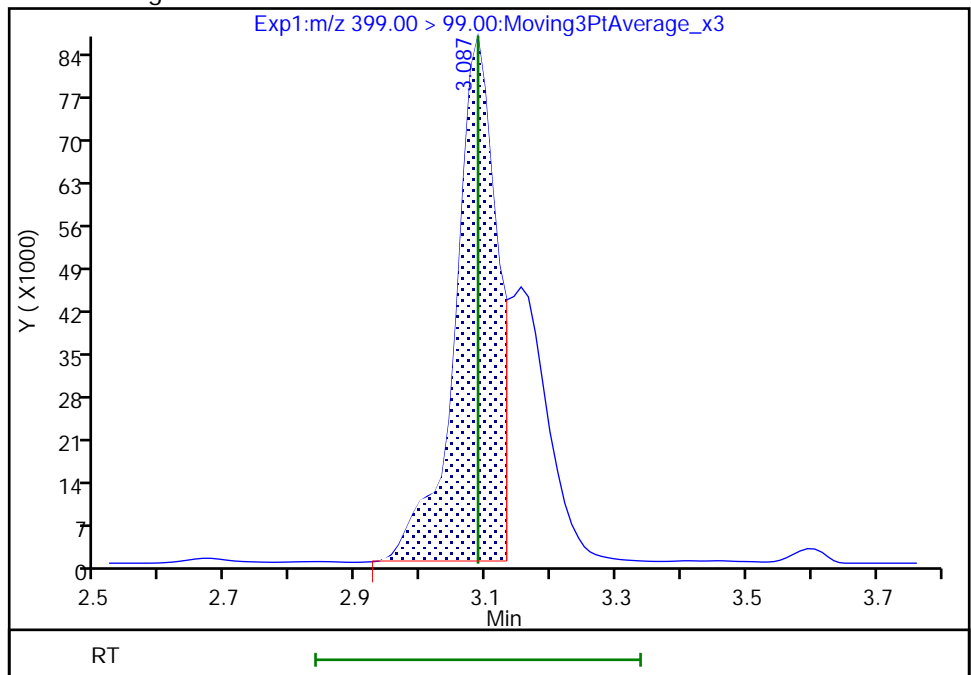
RT: 3.09
Area: 577723
Amount: 0.951782
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 377257
Amount: 0.948945
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 15:10:38

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

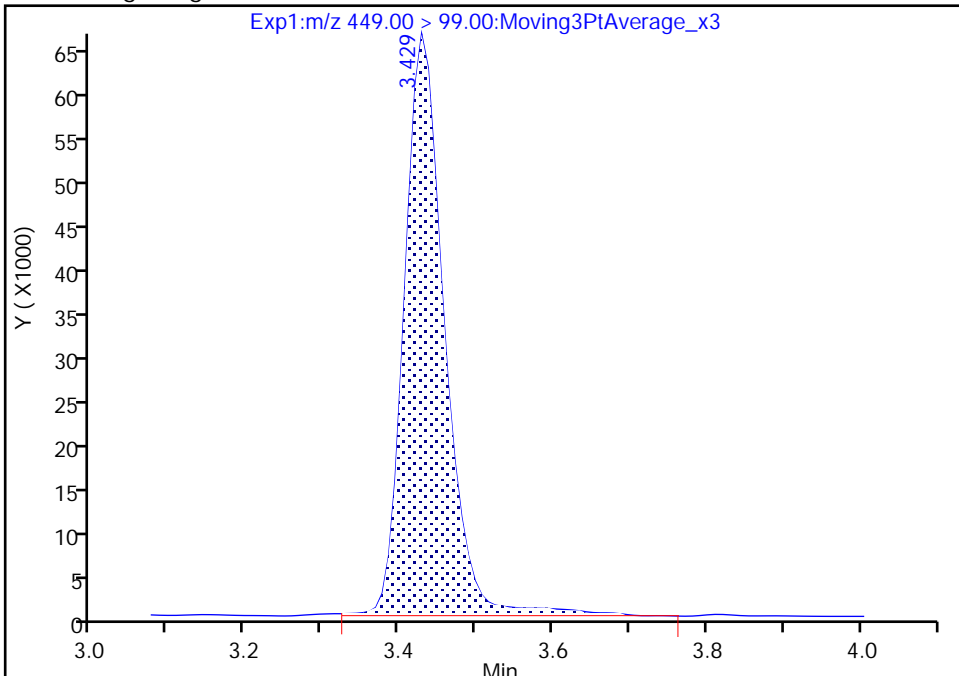
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A10.d
Injection Date: 08-Dec-2022 16:02:12 Instrument ID: LC812
Lims ID: 460-270311-A-2-B MS
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

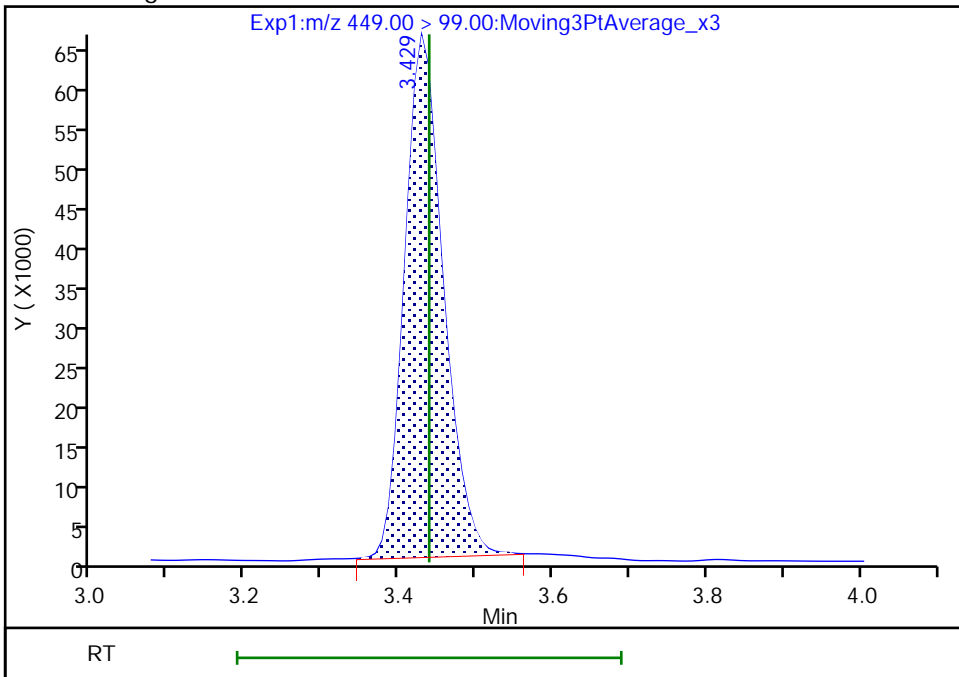
RT: 3.43
Area: 244285
Amount: 0.992409
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 230532
Amount: 0.989284
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:11:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

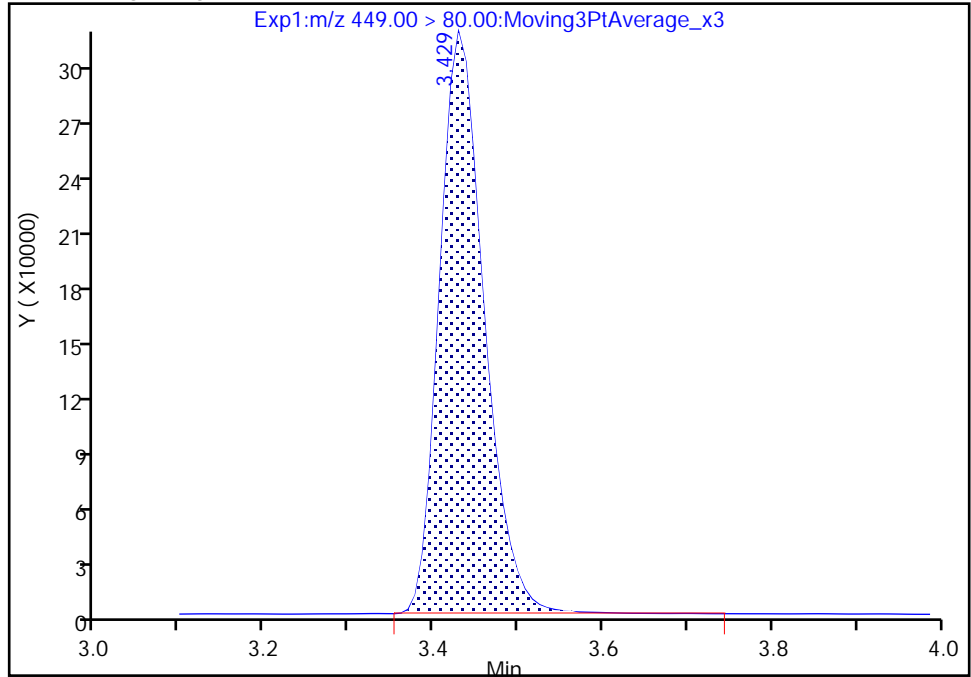
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A10.d
Injection Date: 08-Dec-2022 16:02:12 Instrument ID: LC812
Lims ID: 460-270311-A-2-B MS
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

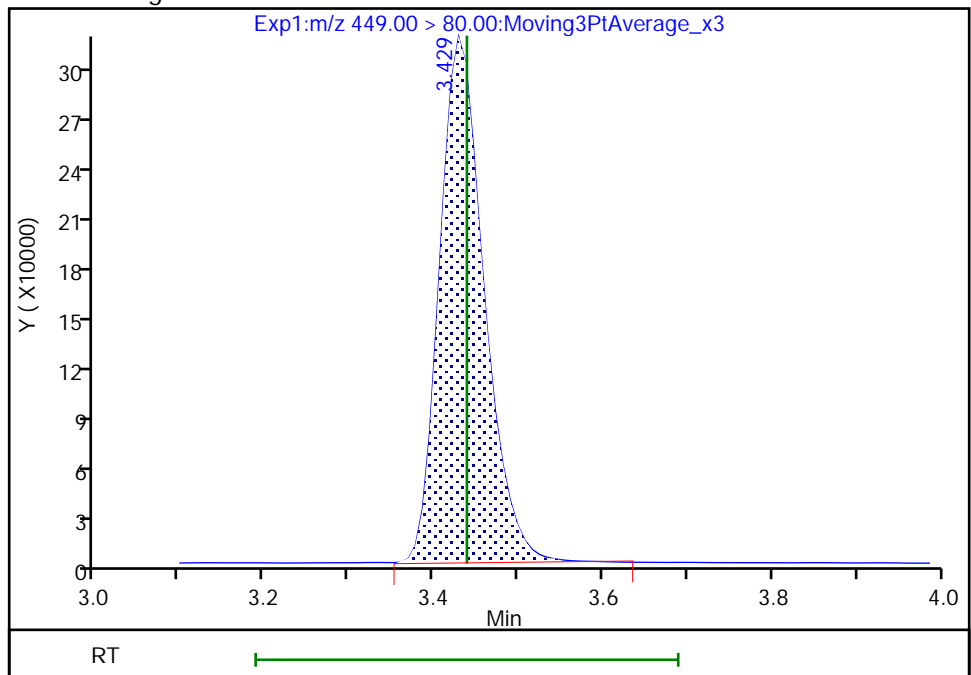
RT: 3.43
Area: 1154099
Amount: 0.992409
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 1150465
Amount: 0.989284
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:11:21

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

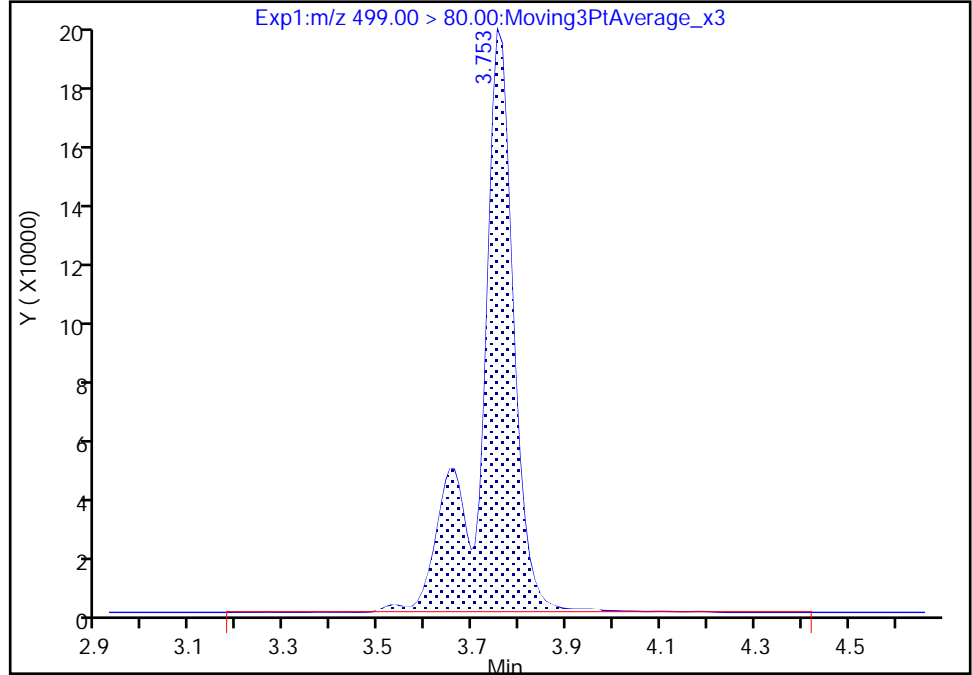
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A10.d
Injection Date: 08-Dec-2022 16:02:12 Instrument ID: LC812
Lims ID: 460-270311-A-2-B MS
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

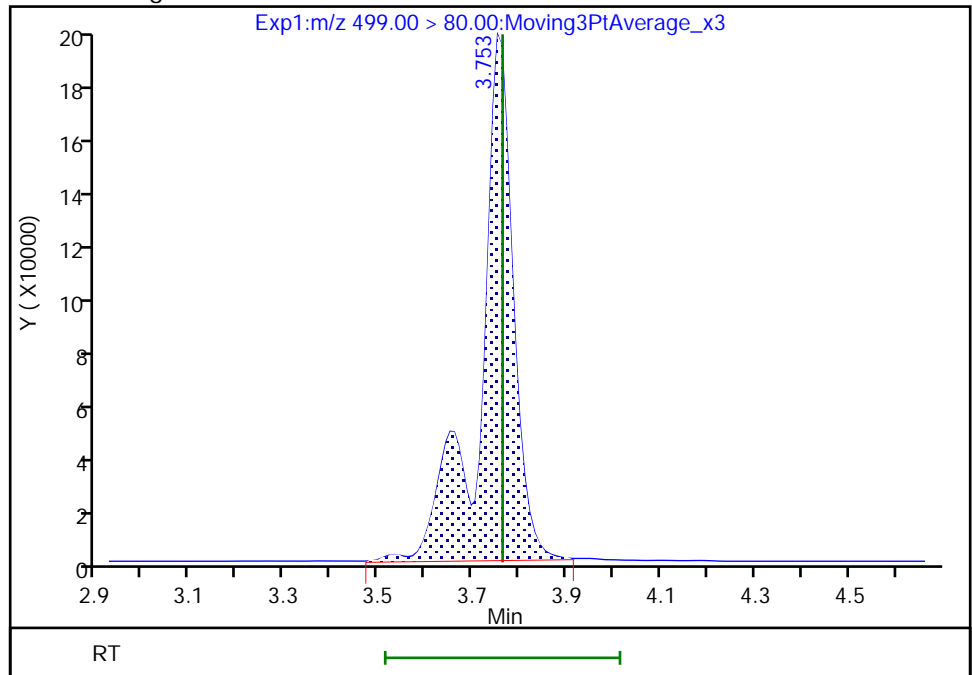
RT: 3.75
Area: 964984
Amount: 0.953000
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 941164
Amount: 0.929476
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:11:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

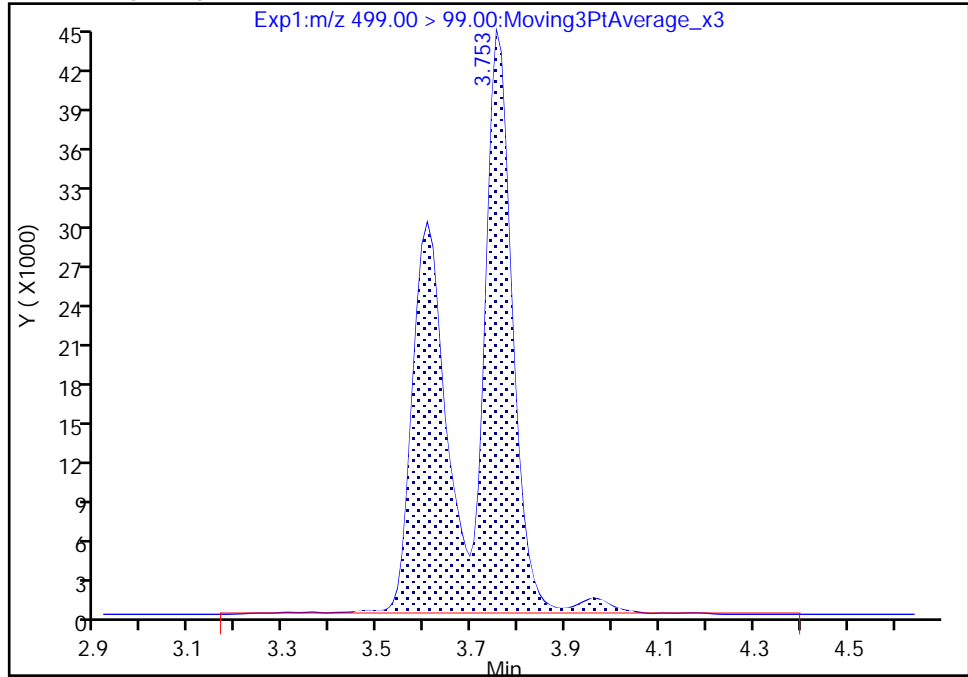
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A10.d
Injection Date: 08-Dec-2022 16:02:12 Instrument ID: LC812
Lims ID: 460-270311-A-2-B MS
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

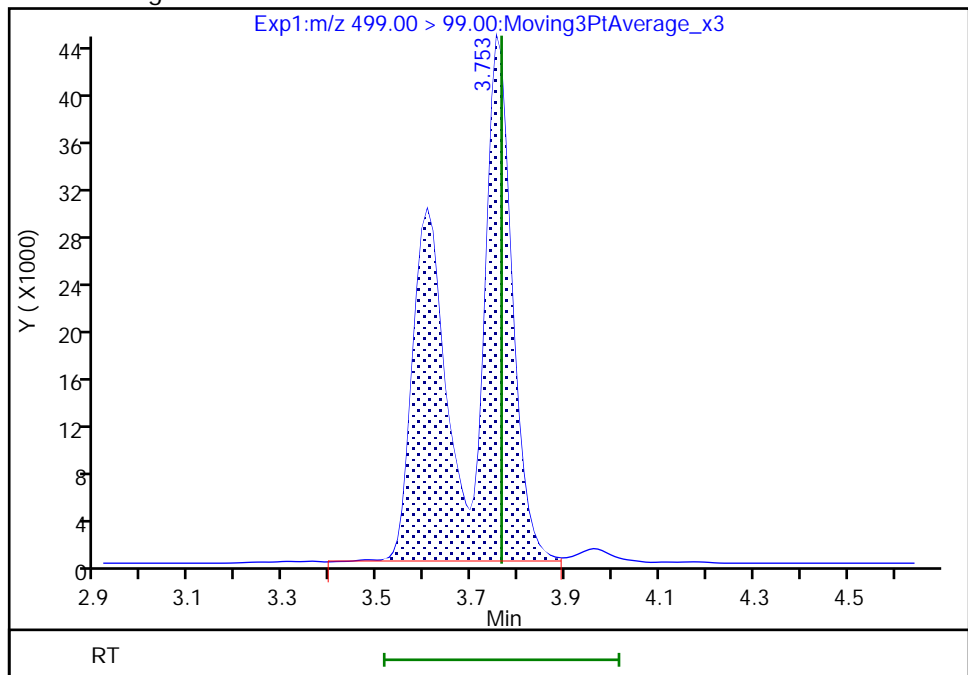
RT: 3.75
Area: 335570
Amount: 0.953000
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 323519
Amount: 0.929476
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 13-Dec-2022 08:17:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

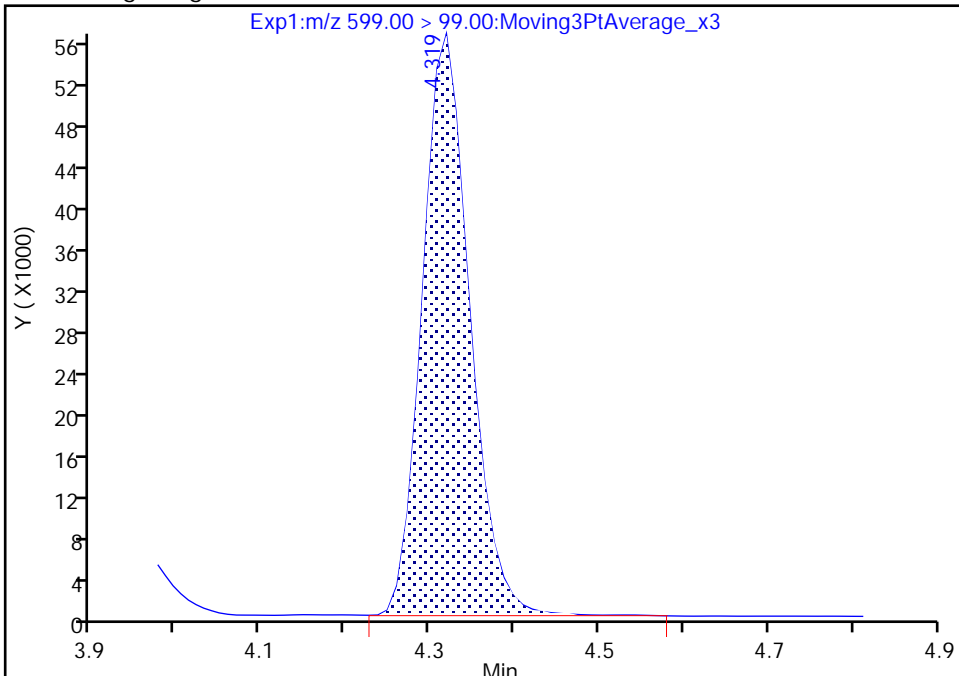
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A10.d
Injection Date: 08-Dec-2022 16:02:12 Instrument ID: LC812
Lims ID: 460-270311-A-2-B MS
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

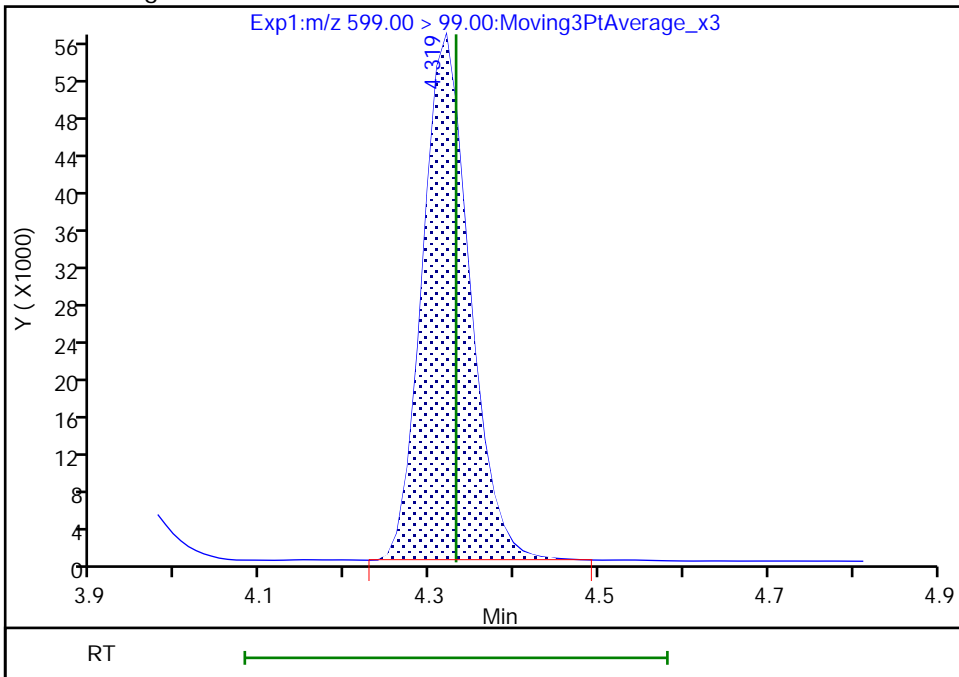
RT: 4.32
Area: 221424
Amount: 0.930463
Amount Units: ng/ml

Processing Integration Results



RT: 4.32
Area: 219761
Amount: 0.930463
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:12:48
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

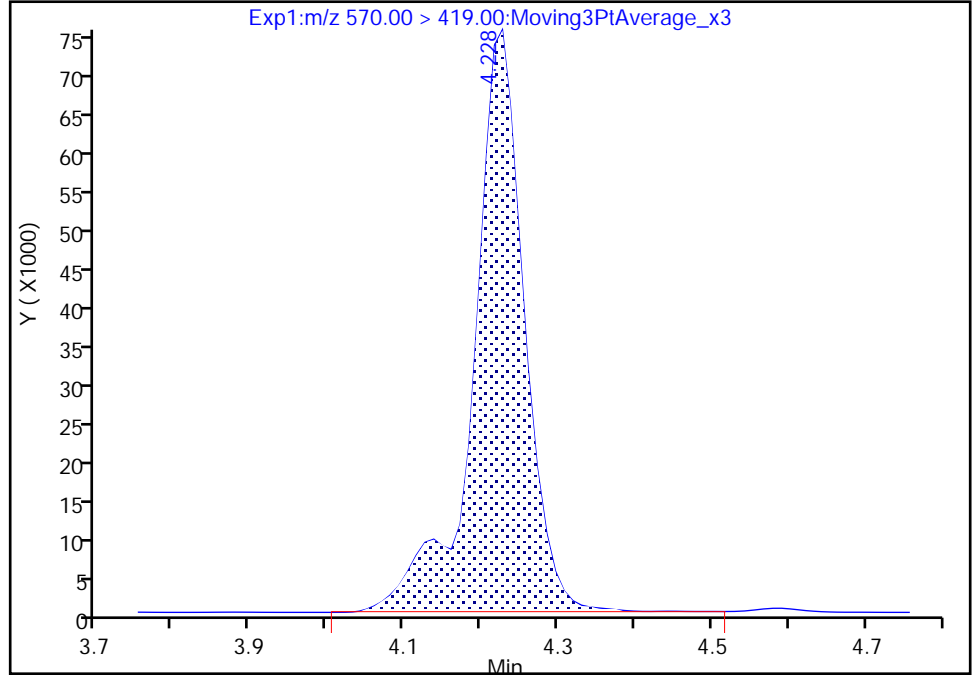
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A10.d
Injection Date: 08-Dec-2022 16:02:12 Instrument ID: LC812
Lims ID: 460-270311-A-2-B MS
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

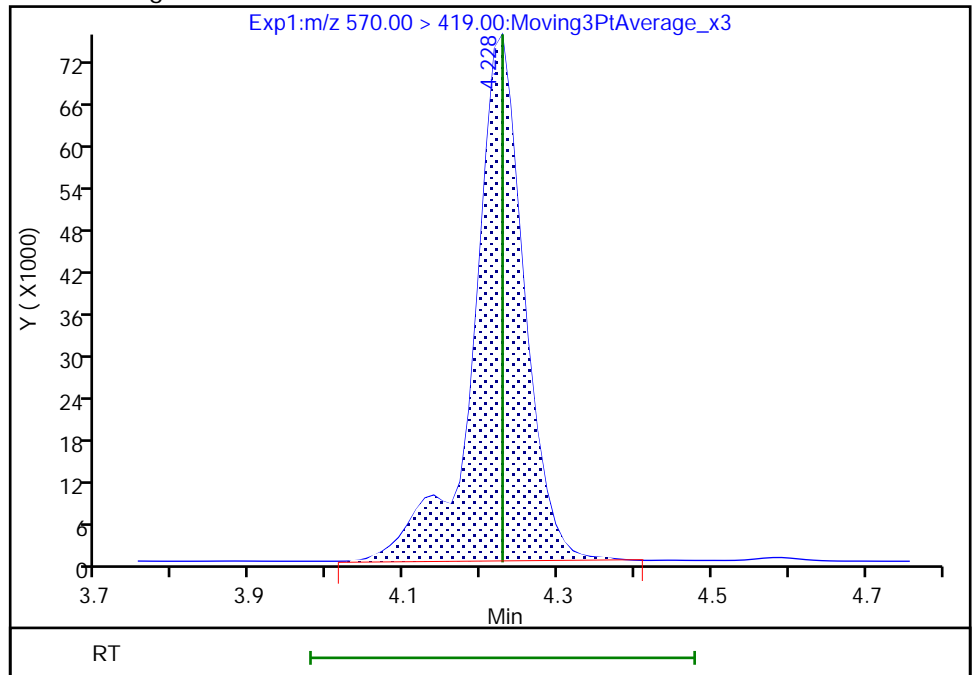
RT: 4.23
Area: 349419
Amount: 1.088924
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 347240
Amount: 1.082060
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:12:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

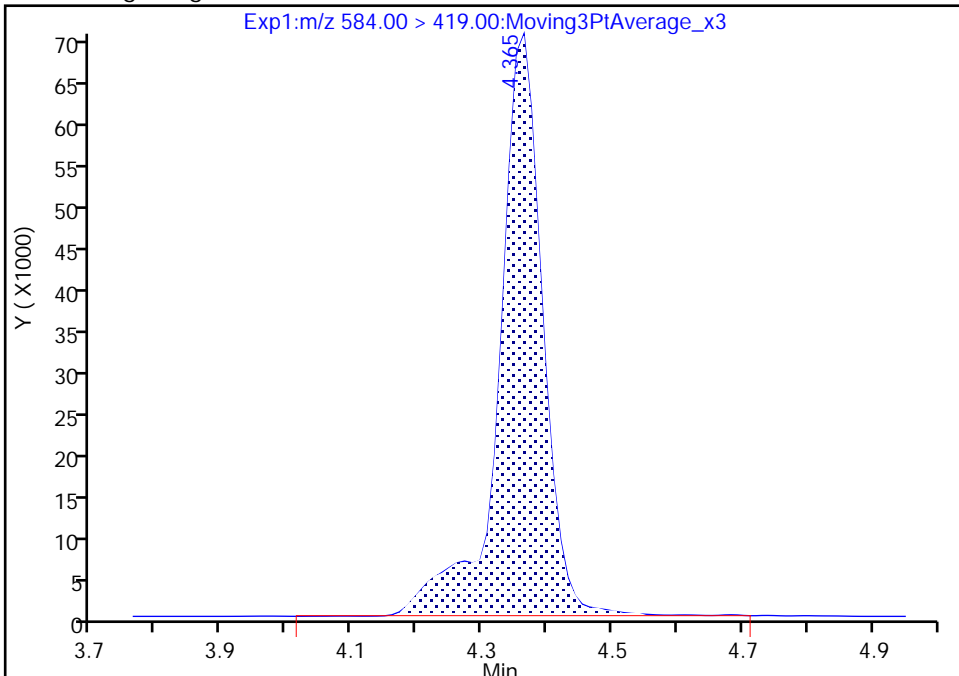
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A10.d
Injection Date: 08-Dec-2022 16:02:12 Instrument ID: LC812
Lims ID: 460-270311-A-2-B MS
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

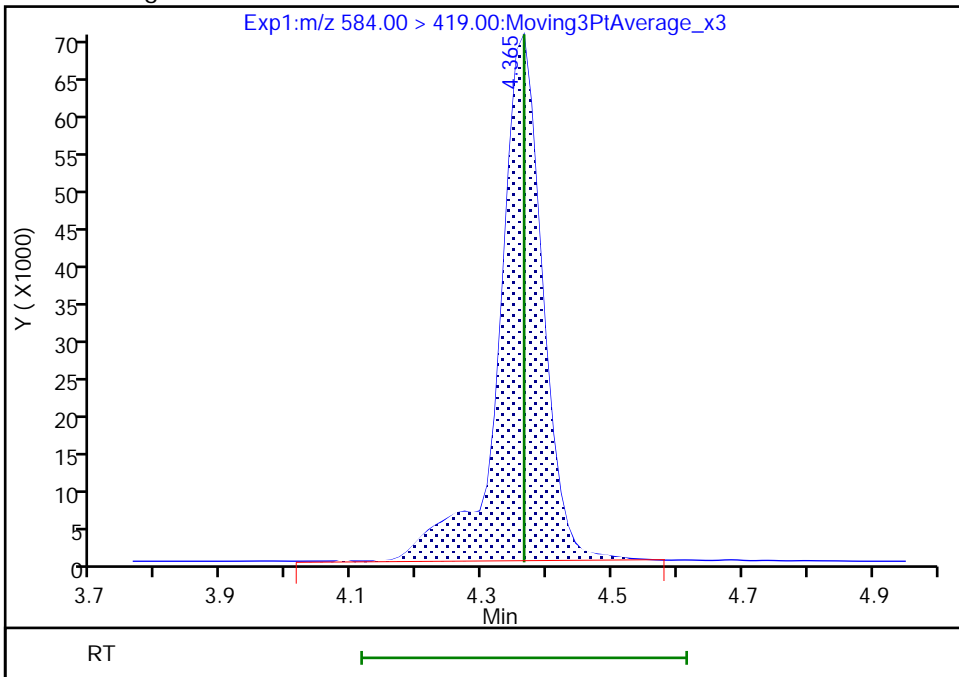
RT: 4.36
Area: 333824
Amount: 0.998075
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 333245
Amount: 0.996344
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:13:03
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

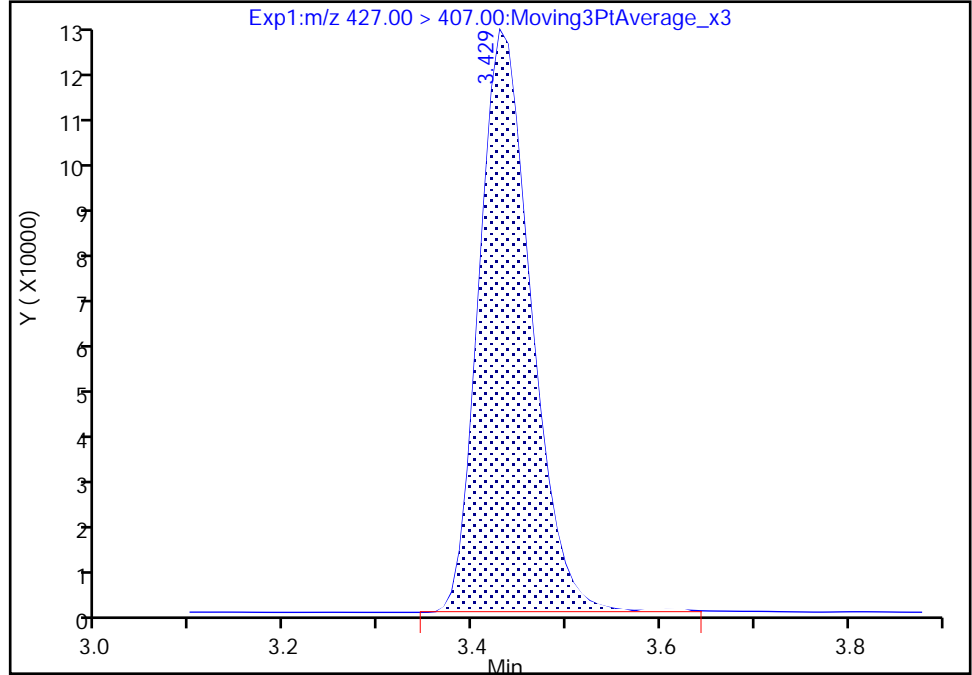
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A10.d
Injection Date: 08-Dec-2022 16:02:12 Instrument ID: LC812
Lims ID: 460-270311-A-2-B MS
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

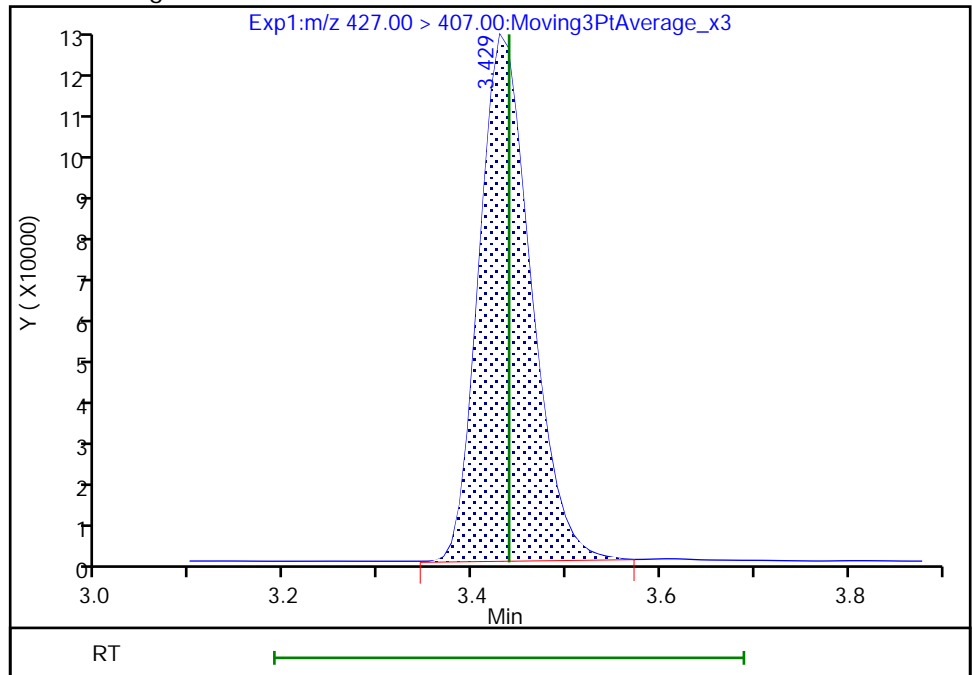
RT: 3.43
Area: 460805
Amount: 1.038802
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 458908
Amount: 1.034477
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:11:10
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

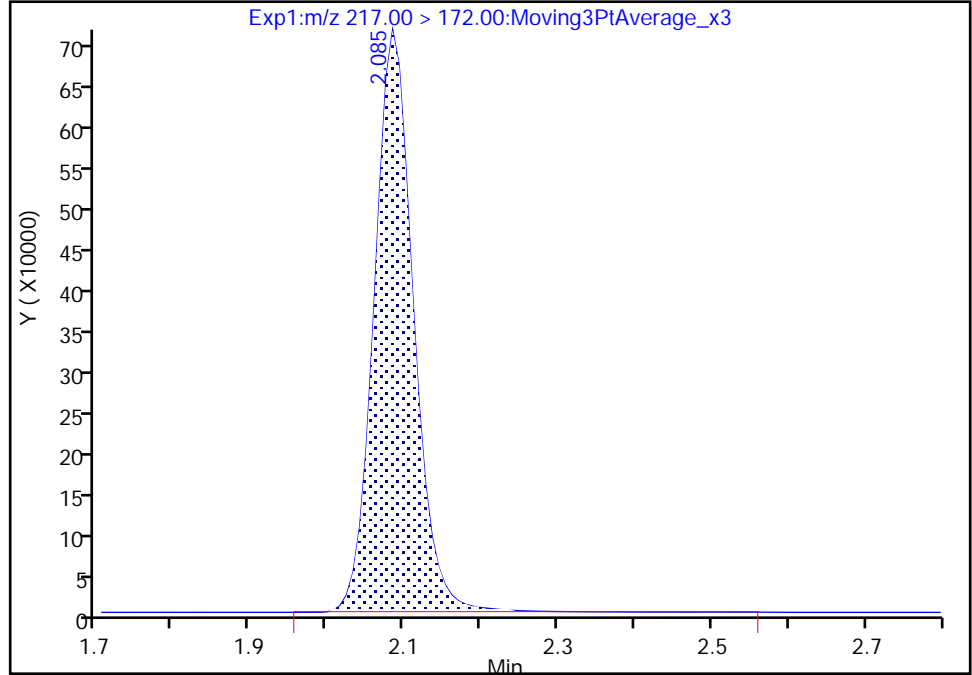
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A10.d
Injection Date: 08-Dec-2022 16:02:12 Instrument ID: LC812
Lims ID: 460-270311-A-2-B MS
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 1 13C4 PFBA, CAS: STL00992
Signal: 1

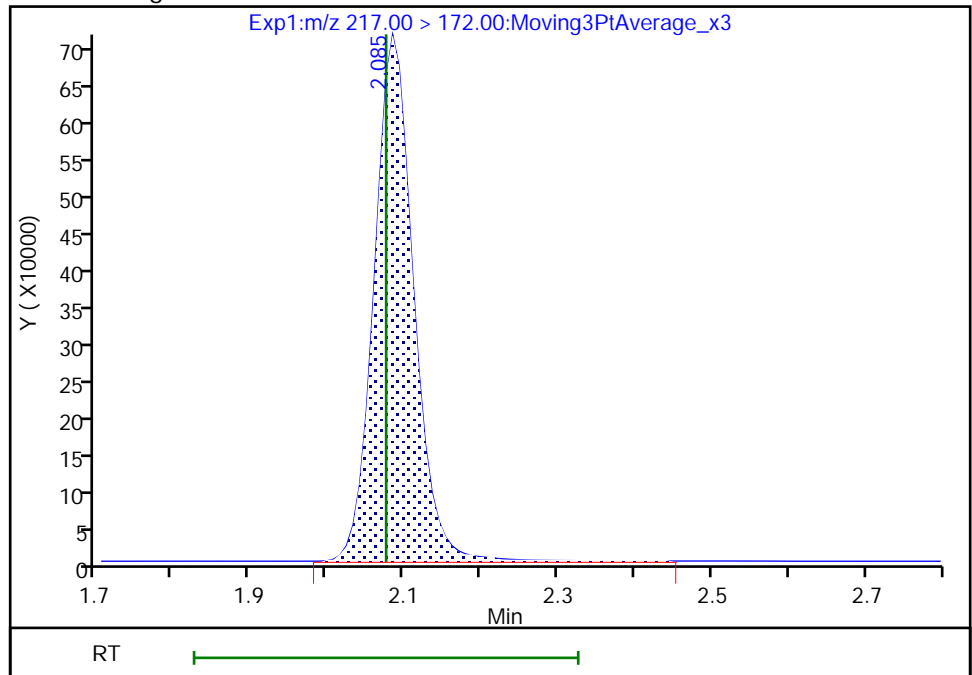
RT: 2.08
Area: 2546112
Amount: 1.080421
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 2543934
Amount: 1.082830
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:08:42
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

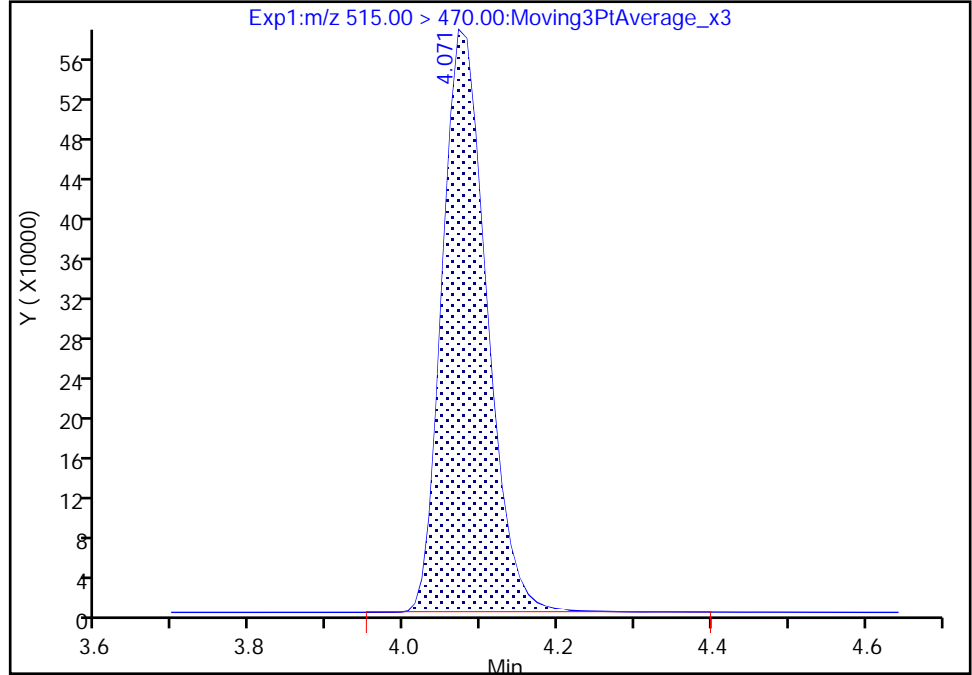
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A10.d
Injection Date: 08-Dec-2022 16:02:12 Instrument ID: LC812
Lims ID: 460-270311-A-2-B MS
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 23 13C2 PFDA, CAS: STL00996
Signal: 1

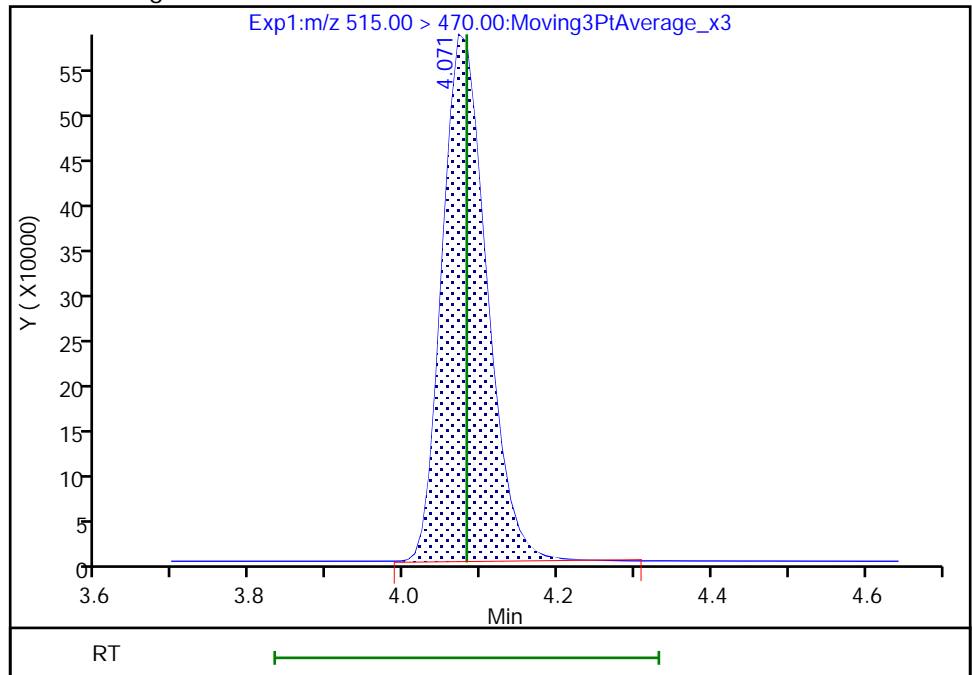
RT: 4.07
Area: 2357472
Amount: 1.094807
Amount Units: ng/ml

Processing Integration Results



RT: 4.07
Area: 2355086
Amount: 1.097075
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:09:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

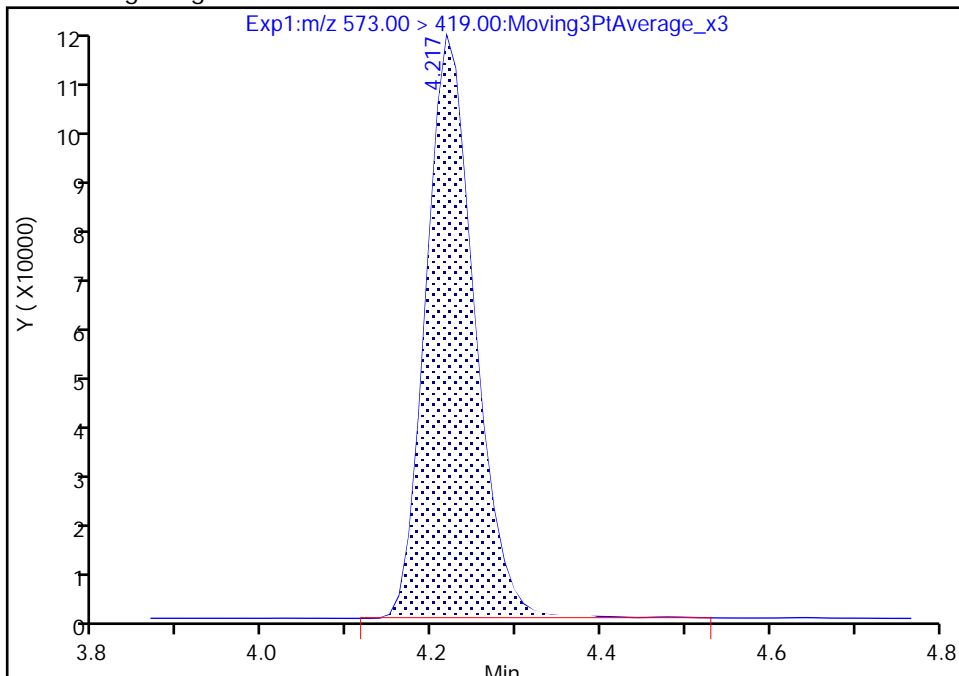
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A10.d
Injection Date: 08-Dec-2022 16:02:12 Instrument ID: LC812
Lims ID: 460-270311-A-2-B MS
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

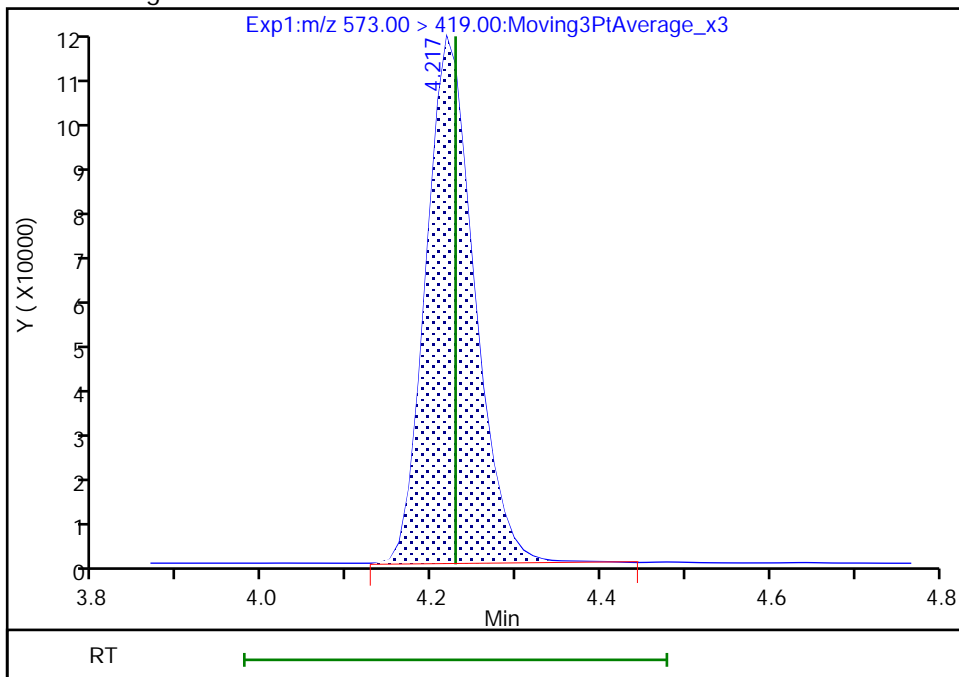
RT: 4.22
Area: 462702
Amount: 1.055344
Amount Units: ng/ml

Processing Integration Results



RT: 4.22
Area: 461344
Amount: 1.055495
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:09:18
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

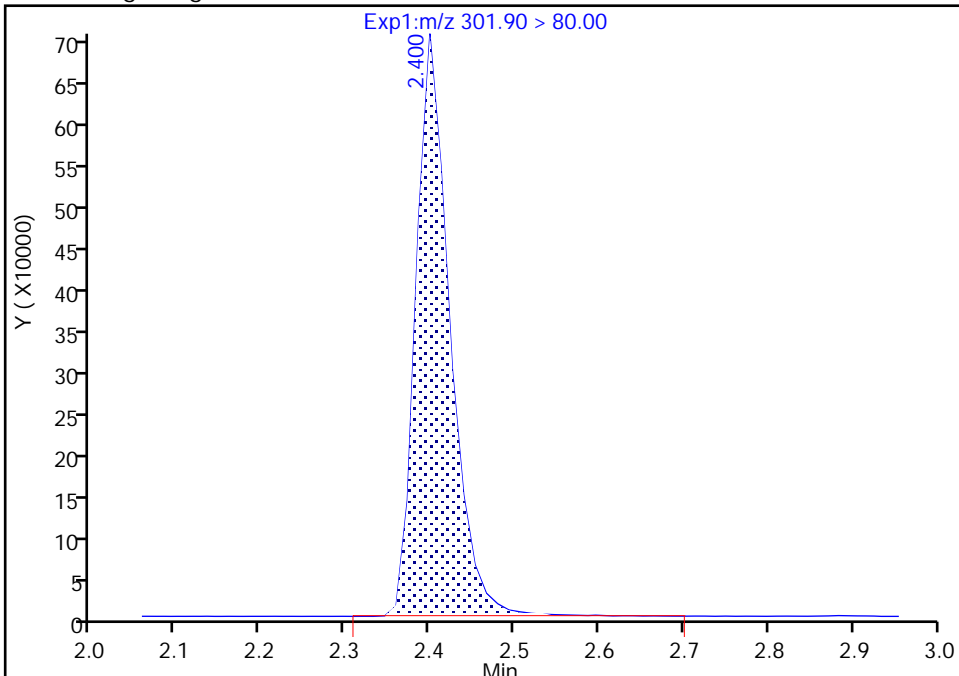
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A10.d
Injection Date: 08-Dec-2022 16:02:12 Instrument ID: LC812
Lims ID: 460-270311-A-2-B MS
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

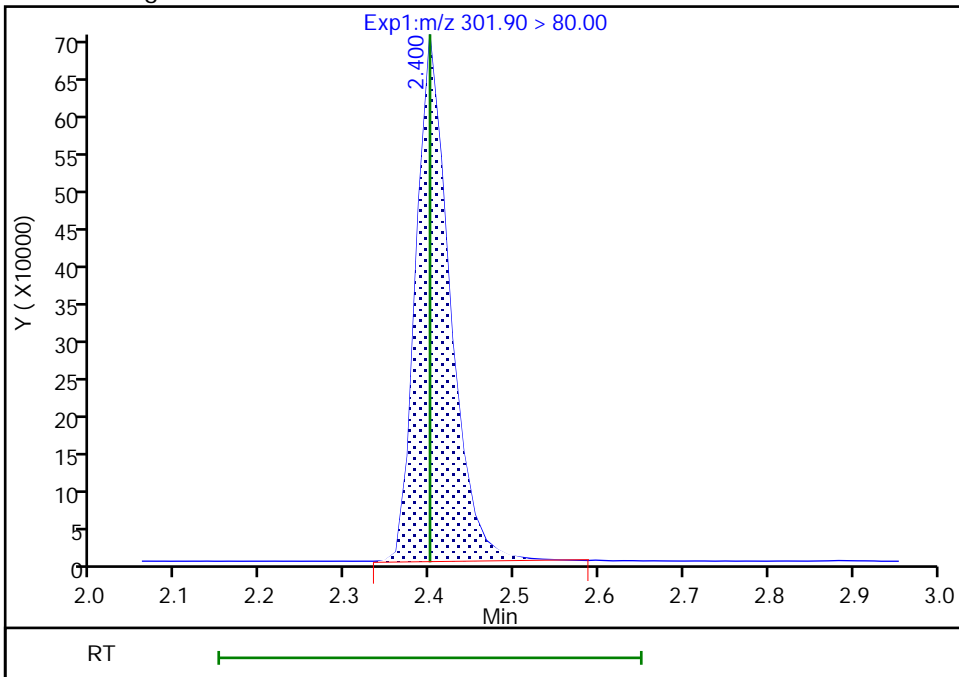
RT: 2.40
Area: 1971963
Amount: 1.011294
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 1962164
Amount: 1.009376
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:08:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

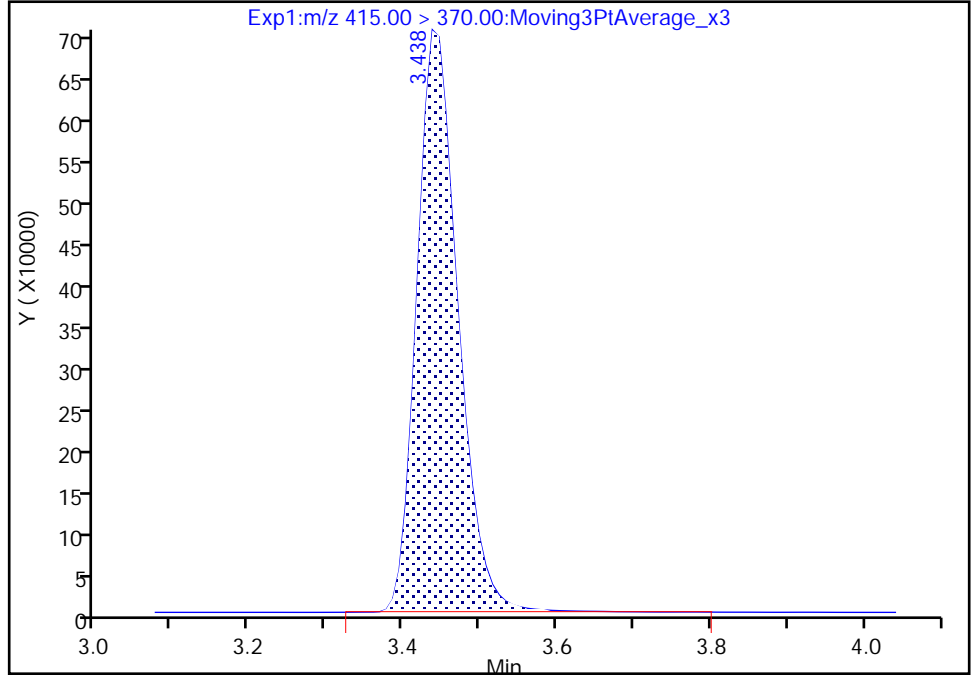
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A10.d
Injection Date: 08-Dec-2022 16:02:12 Instrument ID: LC812
Lims ID: 460-270311-A-2-B MS
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

* 62 13C2 PFOA, CAS: STL00623
Signal: 1

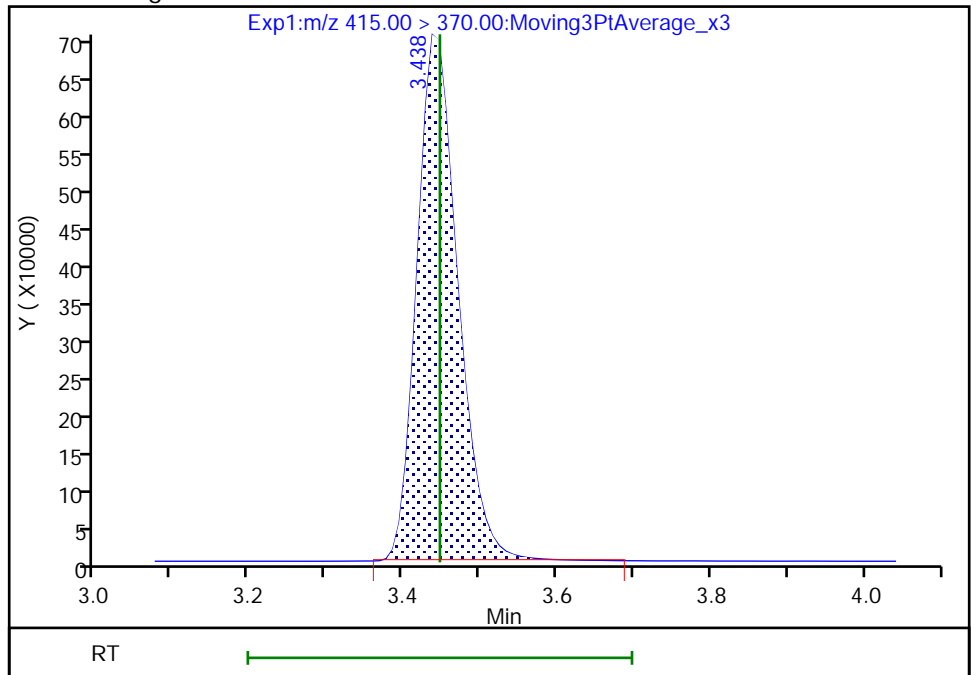
RT: 3.44
Area: 2626144
Amount: 1.250000
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 2618061
Amount: 1.250000
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:09:33
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: 460-270311-A-2-C MSD
 Matrix: Solid Lab File ID: PA221208A11.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: SHAKE Date Extracted: 12/07/2022 08:59
 Sample wt/vol: 5.04(g) Date Analyzed: 12/08/2022 16:10
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: 19.2 % Solids: 80.8 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186513 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	2.422		0.61	0.41
2706-90-3	Perfluoropentanoic acid (PFPeA)	2.471		0.25	0.068
307-24-4	Perfluorohexanoic acid (PFHxA)	2.447		0.25	0.056
375-85-9	Perfluoroheptanoic acid (PFHpA)	2.343		0.25	0.048
335-67-1	Perfluorooctanoic acid (PFOA)	2.511		0.25	0.071
375-95-1	Perfluorononanoic acid (PFNA)	2.517		0.25	0.042
335-76-2	Perfluorodecanoic acid (PFDA)	2.537		0.25	0.034
2058-94-8	Perfluoroundecanoic acid (PFUnA)	2.412		0.25	0.033
307-55-1	Perfluorododecanoic acid (PFDoA)	2.267		0.25	0.031
72629-94-8	Perfluorotridecanoic acid (PFTriA)	2.281		0.25	0.031
376-06-7	Perfluorotetradecanoic acid (PFTeA)	2.446		0.25	0.032
375-73-5	Perfluorobutanesulfonic acid (PFBS)	2.152		0.25	0.041
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	2.220		0.25	0.050
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	2.372		0.25	0.028
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	2.228		0.25	0.14
335-77-3	Perfluorodecanesulfonic acid (PFDS)	2.368		0.25	0.023
754-91-6	Perfluorooctanesulfonamide (FOSA)	2.390		0.25	0.042
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.568		2.46	0.14
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.472		2.46	0.10
27619-97-2	6:2 FTS	2.477		2.46	0.070
39108-34-4	8:2 FTS	2.432	J	2.46	0.045

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-270515-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: 460-270311-A-2-C MSD
 Matrix: Solid Lab File ID: PA221208A11.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: SHAKE Date Extracted: 12/07/2022 08:59
 Sample wt/vol: 5.04(g) Date Analyzed: 12/08/2022 16:10
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: 19.2 % Solids: 80.8 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186513 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	94		50-150
STL01892	13C4 PFHpA	94		50-150
STL00990	13C4 PFOA	93		50-150
STL00991	13C4 PFOS	92		50-150
STL00995	13C5 PFNA	94		50-150
STL00992	13C4 PFBA	89		50-150
STL00993	13C2 PFHxA	94		50-150
STL00996	13C2 PFDA	96		50-150
STL00997	13C2 PFUnA	97		50-150
STL00998	13C2 PFDoA	98		50-150
STL01056	13C8 FOSA	85		50-150
STL01893	13C5 PFPeA	85		50-150
STL02116	13C2 PFTeDA	94		50-150
STL02118	d3-NMeFOSAA	90		50-150
STL02117	d5-NEtFOSAA	94		50-150
STL02279	M2-6:2 FTS	91		50-150
STL02280	M2-8:2 FTS	97		50-150
STL02337	13C3 PFBS	88		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A11.d
 Lims ID: 460-270311-A-2-C MSD
 Client ID: BCS-09-47_(8-8.5)P
 Sample Type: MSD
 Inject. Date: 08-Dec-2022 16:10:22 ALS Bottle#: 8 Worklist Smp#: 11
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 460-270311-A-2-C MSD
 Misc. Info.: 200-0053607-011 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 13-Dec-2022 09:02:46 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1634

First Level Reviewer: nampitakw Date: 09-Dec-2022 15:21:11
 Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA	217.00 > 172.00	2.086	2.076	0.010	0.606	2635793	1.11	88.6	8870	M
2 Perfluorobutanoic acid	212.90 > 169.00	2.094	2.076	0.018	1.004	2144250	0.9861	98.6	192	M
D 3 13C5 PFPeA	267.90 > 223.00	2.389	2.387	0.002	0.694	1933928	1.07	85.4	3270	
4 Perfluoropentanoic acid	262.90 > 219.00	2.389	2.387	0.002	1.000	1696619	1.01	101	37.8	M
D 47 13C3 PFBS	301.90 > 80.00	2.402	2.400	0.002	0.697	2025043	1.03	88.5	223976	M
5 Perfluorobutanesulfonic acid	298.90 > 80.00	2.415	2.400	0.015	1.006	1746419	0.8763	Target=2.09	1557	M
	298.90 > 99.00	2.415	2.400	0.015	1.006	817428	2.14(1.04-3.13)	99.1	67.7	M
61 1H,1H,2H,2H-perfluorohexanesulfo	327.00 > 307.00	2.692	2.689	0.003	1.000	444154	0.9178	98.3	549	M
D 60 M2-4:2 FTS	329.00 > 81.00	2.692	2.689	0.003	0.782	183400	1.05	90.3	126	M
D 7 13C2 PFHxA	315.00 > 270.00	2.728	2.725	0.003	0.792	2223557	1.17	93.7	4998	
6 Perfluorohexanoic acid	313.00 > 269.00	2.728	2.725	0.003	1.000	1931346	1.00	Target=14.25	273	M
	313.00 > 119.00	2.728	2.725	0.003	1.000	141266	13.67(7.12-21.37)	99.6	148	
70 Perfluoropentanesulfonic acid	349.00 > 80.00	2.740	2.737	0.003	0.886	1640950	0.9154	Target=3.04	1333	
	349.00 > 99.00	2.740	2.737	0.003	0.886	544861	3.01(1.52-4.56)	97.6	646	
67 Perfluoro(2-propoxypropanoic) ac	285.00 > 169.00	2.838	2.835	0.003	1.000	318985	1.02	102	3175	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.838	2.835	0.003	0.824	371873	1.11		88.7	3079	
D 11 18O2 PFHxS										
403.00 > 84.00	3.094	3.088	0.006	0.898	1587293	1.11		93.6	3813	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.094	3.088	0.006	1.000	1369091	0.9037	Target=3.66	99.3	1441	M
399.00 > 99.00	3.094	3.088	0.006	1.000	415650		3.29(1.83-5.49)	43.3		M
D 9 13C4 PFHpA										
367.00 > 322.00	3.094	3.099	-0.005	0.898	2302715	1.18		94.3	3608	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.094	3.099	-0.005	1.000	1913300	0.9539	Target=3.97	95.4	280	M
363.00 > 169.00	3.094	3.099	-0.005	1.000	495612		3.86(1.98-5.95)	761		
77 DONA										
377.00 > 251.00	3.127	3.132	-0.005	0.832	4693889	0.9548	Target=3.16	101	3147	M
377.00 > 85.00	3.127	3.132	-0.005	0.832	1555217		3.02(1.58-4.73)	1891		
D 12 M2-6:2 FTS										
429.00 > 81.00	3.435	3.439	-0.004	0.997	260873	1.08		91.3	323	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.435	3.439	-0.004	1.000	473595	1.01		106	1218	M
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.435	3.439	-0.004	0.914	1203908	0.9656	Target=5.14	101	1624	M
449.00 > 99.00	3.435	3.439	-0.004	0.914	236028		5.10(2.57-7.72)	490		M
D 14 13C4 PFOA										
417.00 > 372.00	3.444	3.448	-0.004	1.000	2550441	1.16		92.9	5372	
* 62 13C2 PFOA										
415.00 > 370.00	3.444	3.448	-0.004		2652227	1.25			3110	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.444	3.448	-0.004	1.000	2229782	1.02	Target=2.79	102	151	M
413.00 > 169.00	3.444	3.448	-0.004	1.000	802300		2.78(1.40-4.19)	840		M
D 18 13C4 PFOS										
503.00 > 80.00	3.760	3.764	-0.004	1.092	1066775	1.10		91.7	2132	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.760	3.764	-0.004	1.000	984897	0.9072	Target=5.11	97.8	778	M
499.00 > 99.00	3.760	3.764	-0.004	1.000	283458		3.47(2.55-7.66)	243		M
20 Perfluorononanoic acid										
463.00 > 419.00	3.779	3.783	-0.004	1.000	2134648	1.02	Target=8.55	102	389	
463.00 > 169.00	3.779	3.783	-0.004	1.000	246606		8.66(4.28-12.83)	859		
D 19 13C5 PFNA										
468.00 > 423.00	3.779	3.783	-0.004	1.097	2509609	1.18		94.1	3887	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.922	3.928	-0.006	1.043	2346292	0.9417		101	5044	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.047	4.050	-0.003	1.076	779552	0.9514	Target=2.53	99.1	1863	M
549.00 > 99.00	4.047	4.050	-0.003	1.076	301222		2.59(1.27-3.80)	824		M
D 23 13C2 PFDA										
515.00 > 470.00	4.077	4.081	-0.004	1.184	2617109	1.20		96.3	5610	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.077	4.081	-0.004	1.000	2345011	1.03	Target=10.26	103	555	M
513.00 > 169.00	4.077	4.081	-0.004	1.000	234765		9.99(5.13-15.38)		637	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.087	4.093	-0.006	1.187	341999	1.16		97.1	756	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.087	4.093	-0.006	1.000	457174	0.9900		103	2219	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.144	4.150	-0.006	1.000	1544465	0.9731		97.3	2001	
D 21 13C8 FOSA										
506.00 > 78.00	4.144	4.150	-0.006	1.203	1898953	1.07		85.2	3822	
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.222	4.228	-0.006	1.226	499443	1.13		90.2	647	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.222	4.228	-0.006	1.000	363300	1.05		105	592	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.325	4.331	-0.006	1.150	623736	0.9640	Target=2.51	100	1537	M
599.00 > 99.00	4.325	4.331	-0.006	1.150	237900		2.62(1.25-3.76)		182	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.348	4.353	-0.005	1.263	2416448	1.21		97.1	6115	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.348	4.353	-0.005	1.000	1913314	0.9821	Target=9.88	98.2	759	
563.00 > 169.00	4.348	4.353	-0.005	1.000	192165		9.96(4.94-14.82)		1338	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.359	4.365	-0.006	1.000	370159	1.01		101	1230	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.359	4.365	-0.006	1.266	513548	1.18		94.2	1458	
66 11-Chloroeicosafuoro-3-oxaundec										M
631.00 > 451.00	4.449	4.454	-0.005	1.183	3421579	0.8908		94.6	3060	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.586	4.591	-0.005	1.000	1950543	0.9229	Target=7.77	92.3	155	
613.00 > 169.00	4.586	4.591	-0.005	1.000	274694		7.10(3.89-11.66)		852	M
D 36 13C2 PFDaA										M
615.00 > 570.00	4.586	4.591	-0.005	1.332	2493706	1.23		98.3	4153	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.607	4.612	-0.005	1.127	262630	0.9464		98.2	1435	M
75 Perfluorododecanesulfonic acid (
699.00 > 80.00	4.764	4.776	-0.012	1.267	255222	0.9323	Target=0.50	96.3	2301	
699.00 > 99.00	4.764	4.776	-0.012	1.267	491121		0.52(0.25-0.76)		1417	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.800	4.804	-0.004	1.047	1877155	0.9287	Target=5.21	92.9	144	M
663.00 > 169.00	4.800	4.804	-0.004	1.047	352151		5.33(2.60-7.81)		906	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	4.999	5.012	-0.013	1.000	223962	1.00	Target=0.89	99.6	1107	
713.00 > 219.00	4.999	5.012	-0.013	1.000	246449		0.91(0.44-1.33)		961	M
D 43 13C2 PFTeDA										
715.00 > 670.00	4.999	5.012	-0.013	1.452	2053536	1.17		93.6	4074	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.365	5.367	-0.002	1.000	2022278	1.03	Target=5.65	103	177	M
813.00 > 169.00	5.365	5.367	-0.002	1.000	328452		6.16(2.82-8.47)		1093	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.365	5.367	-0.002	1.558	2635158	1.21		97.2	7073	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.721	5.722	-0.001	1.066	1708941	0.9843	Target=6.24	98.4	159	M
913.00 > 169.00	5.712	5.722	-0.010	1.065	265336		6.44(3.12-9.36)		1020	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A11.d

Injection Date: 08-Dec-2022 16:10:22

Instrument ID: LC812

Lims ID: 460-270311-A-2-C MSD

Client ID: BCS-09-47_(8-8.5)P

Operator ID: lc812tech

ALS Bottle#: 8

Worklist Smp#: 11

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

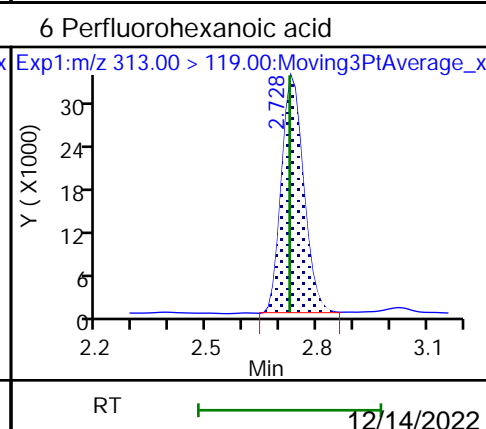
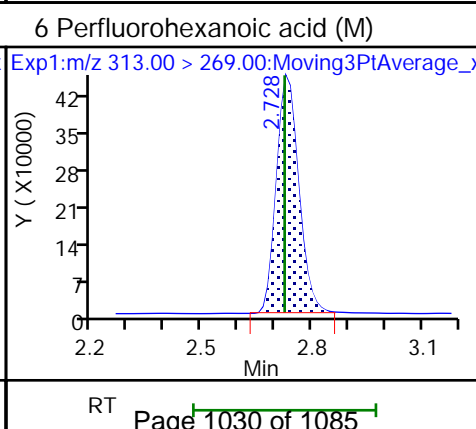
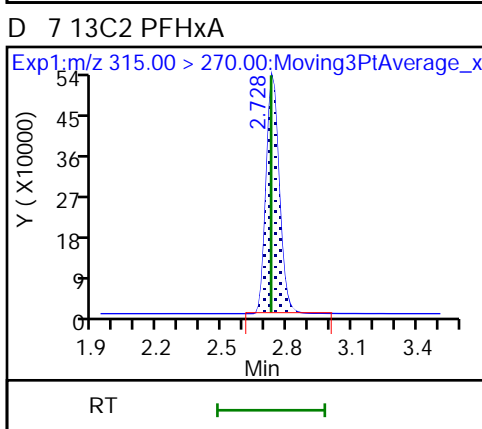
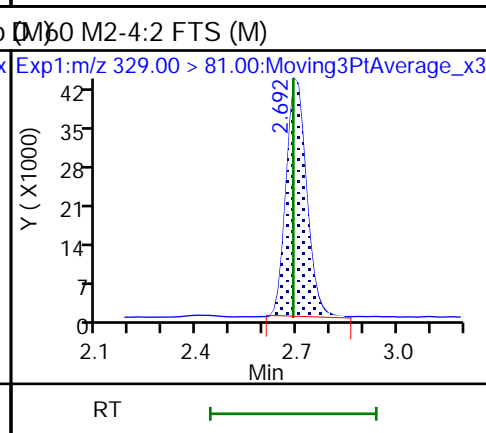
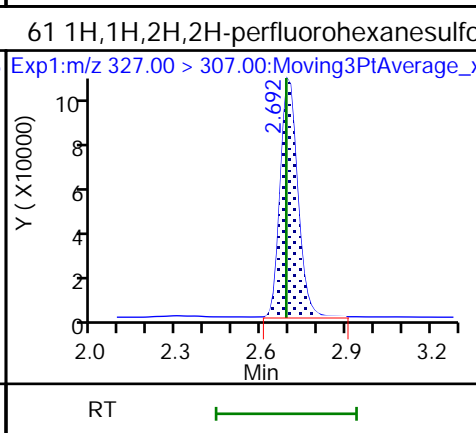
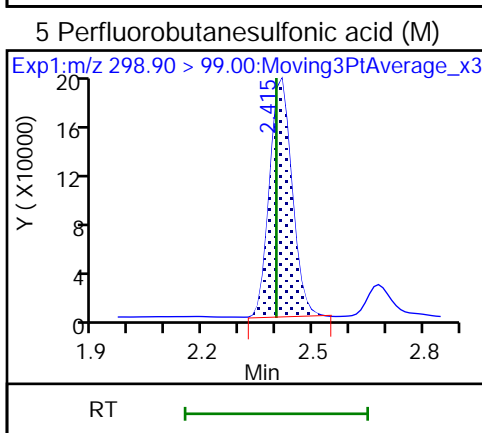
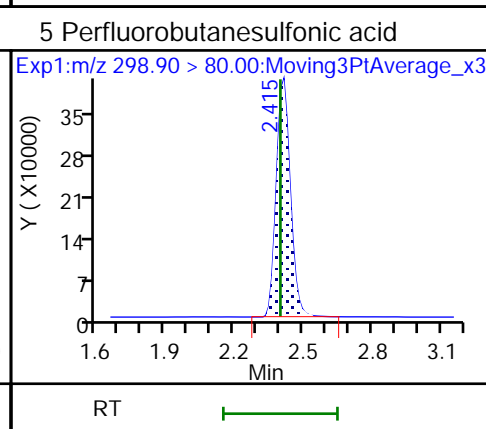
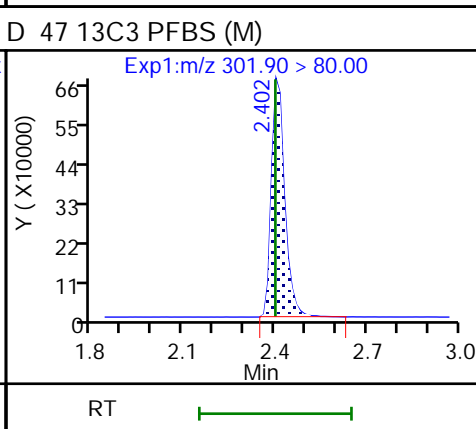
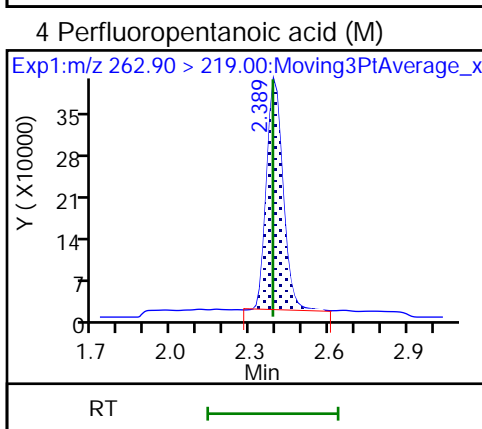
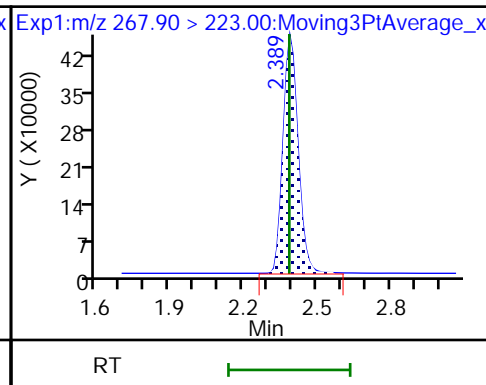
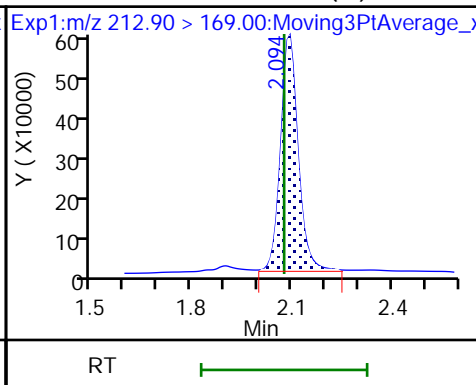
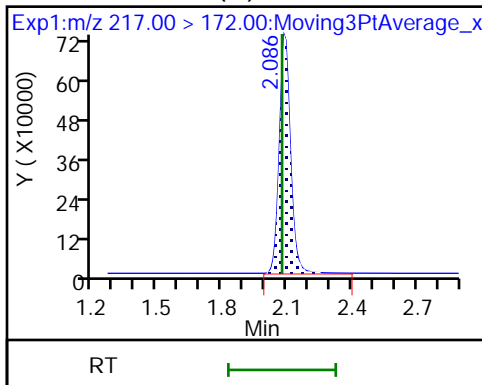
Method: PFC_LC812

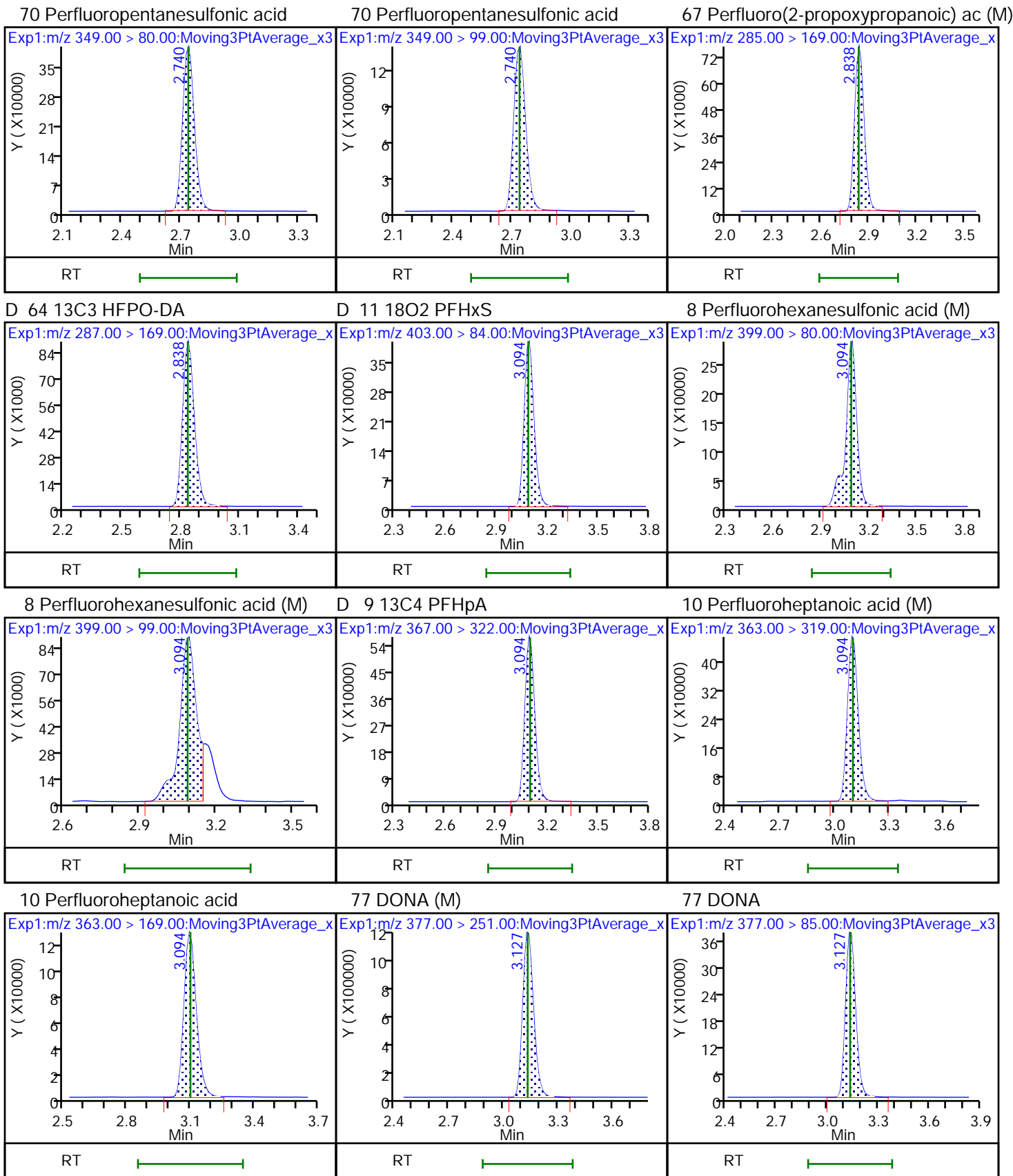
Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA (M)

2 Perfluorobutanoic acid (M)

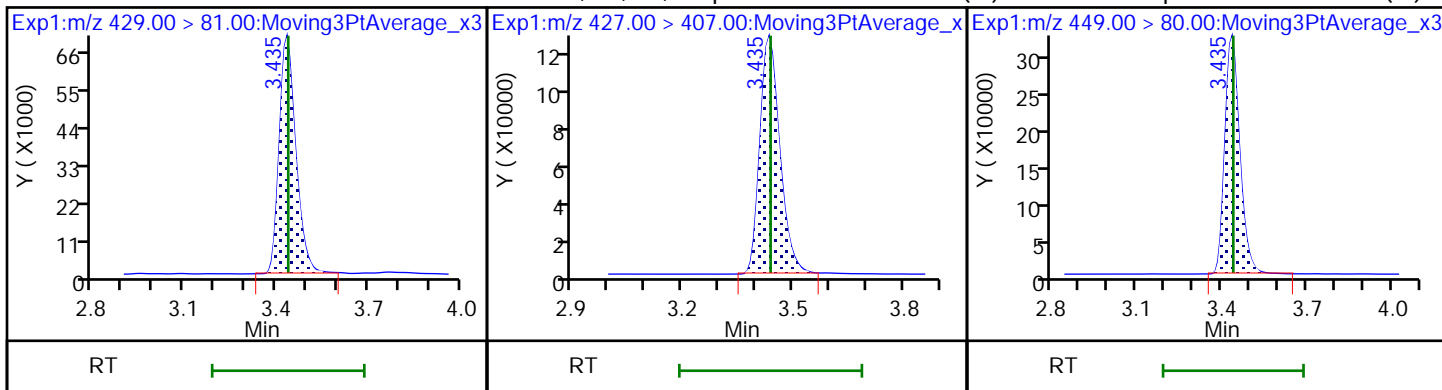
D 3 13C5 PFPeA





D 12 M2-6:2 FTS

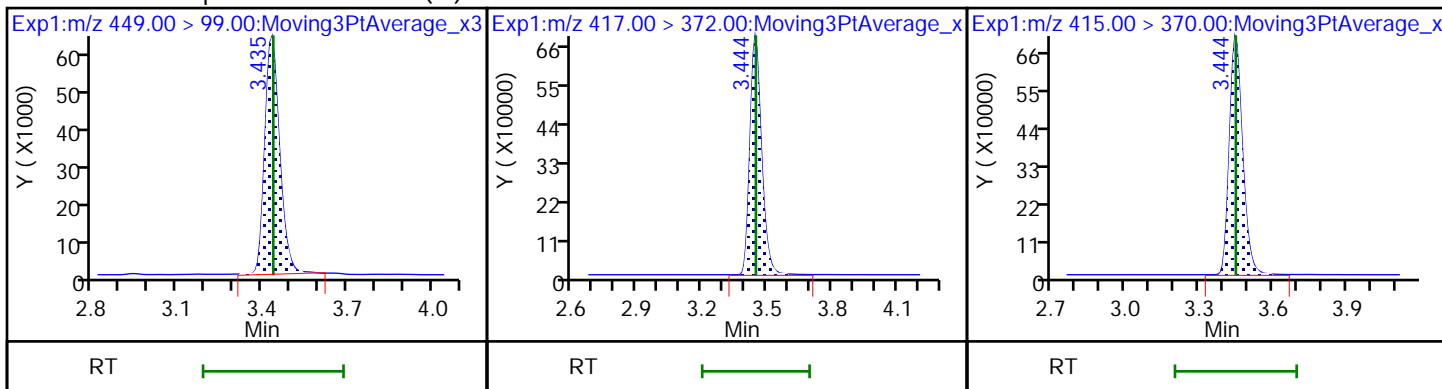
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 6 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

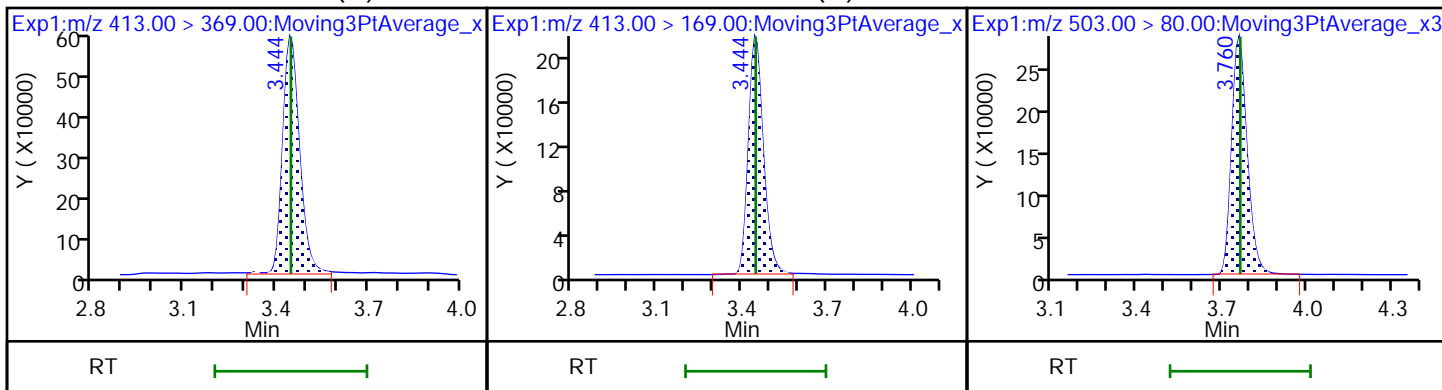
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

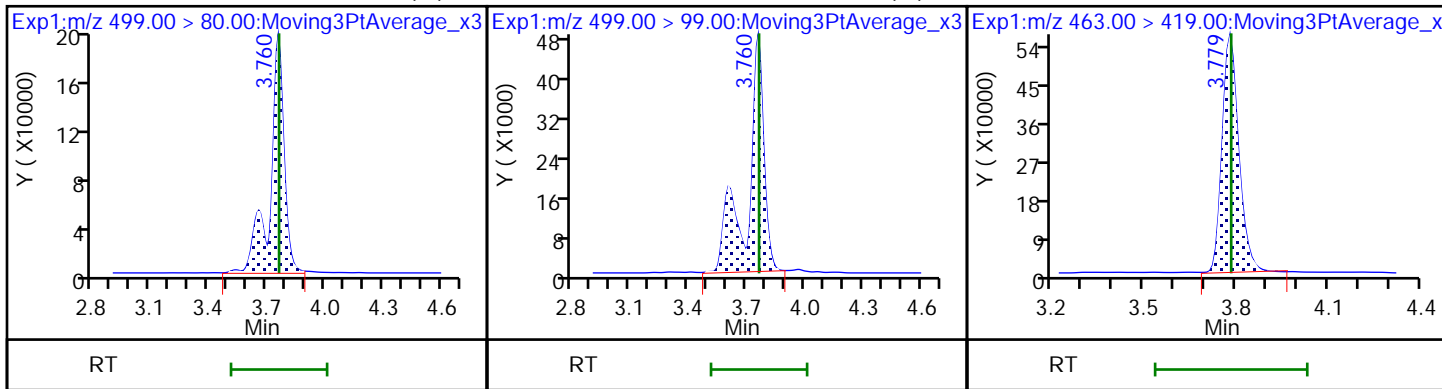
D 18 13C4 PFOS

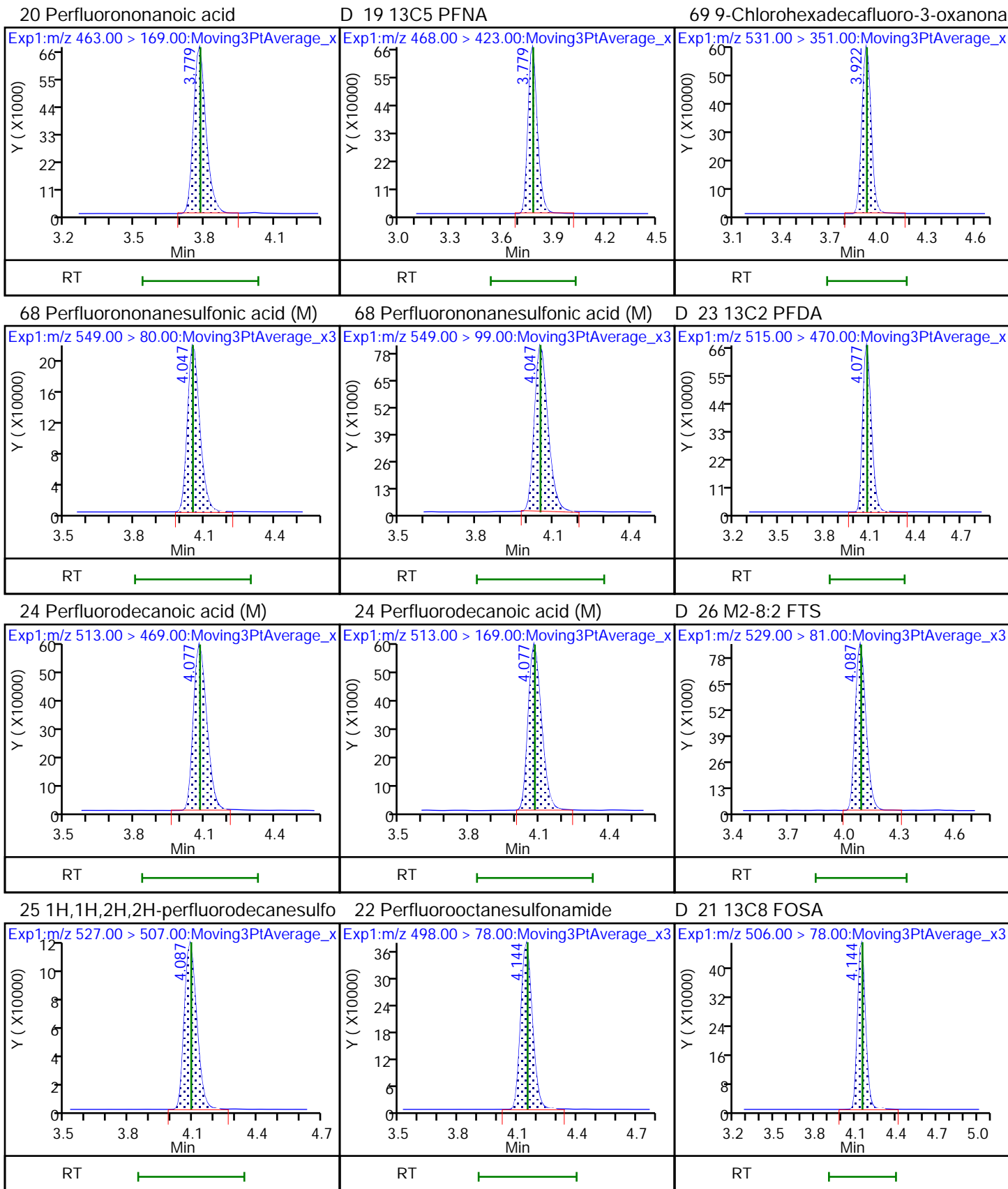


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid

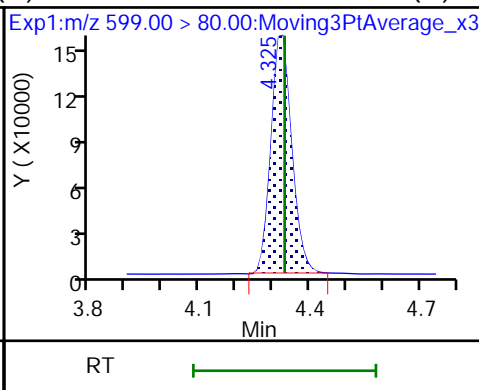
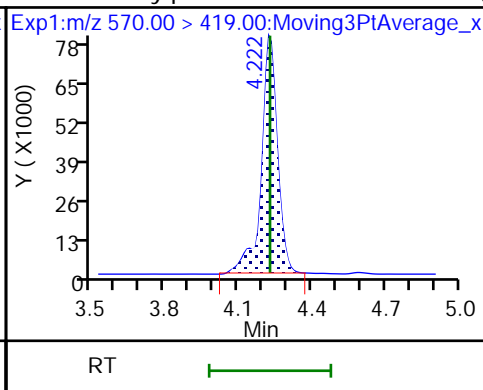
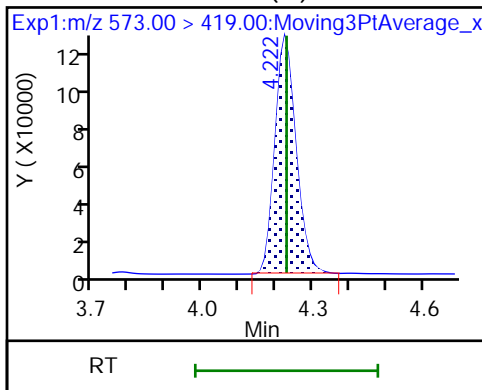




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

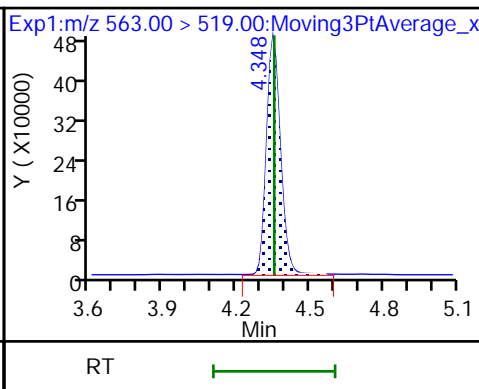
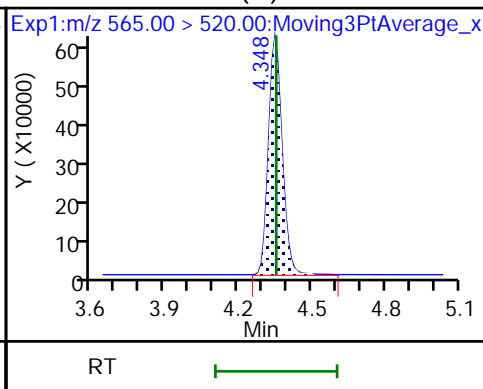
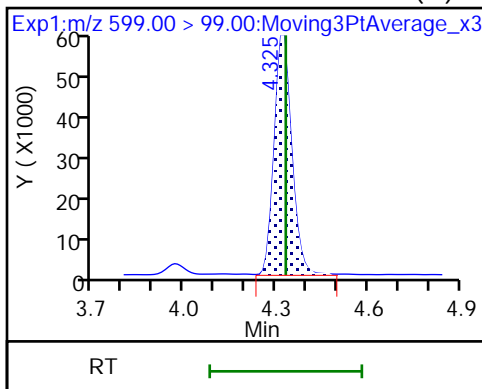
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUa (M)

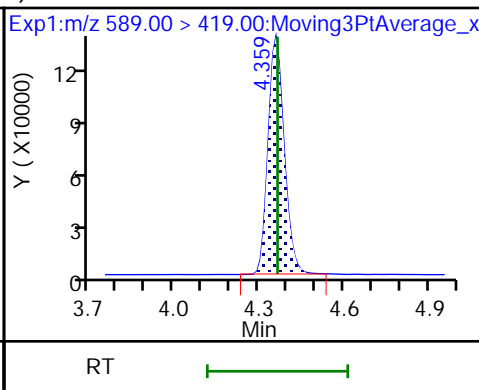
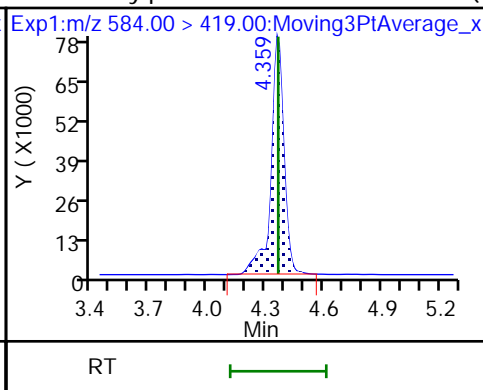
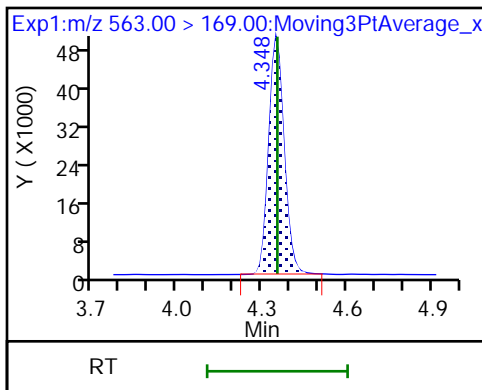
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid

33 N-ethylperfluorooctanesulfonamid (M)

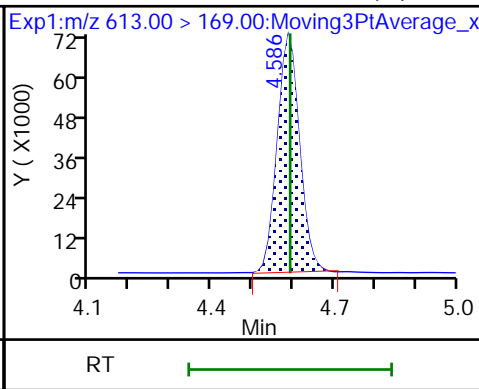
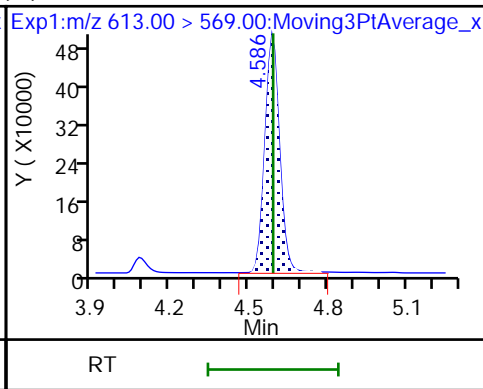
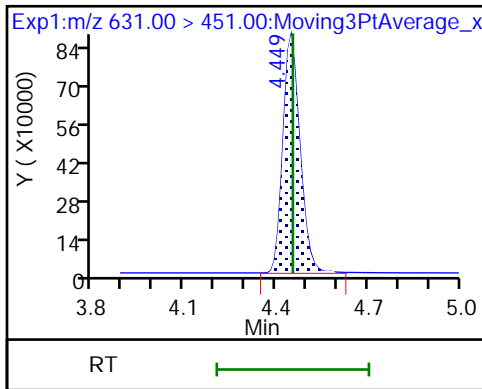
32 d5-NEtFOSAA



66 11-Chloroeicosafluoro-3-oxaundec (M)

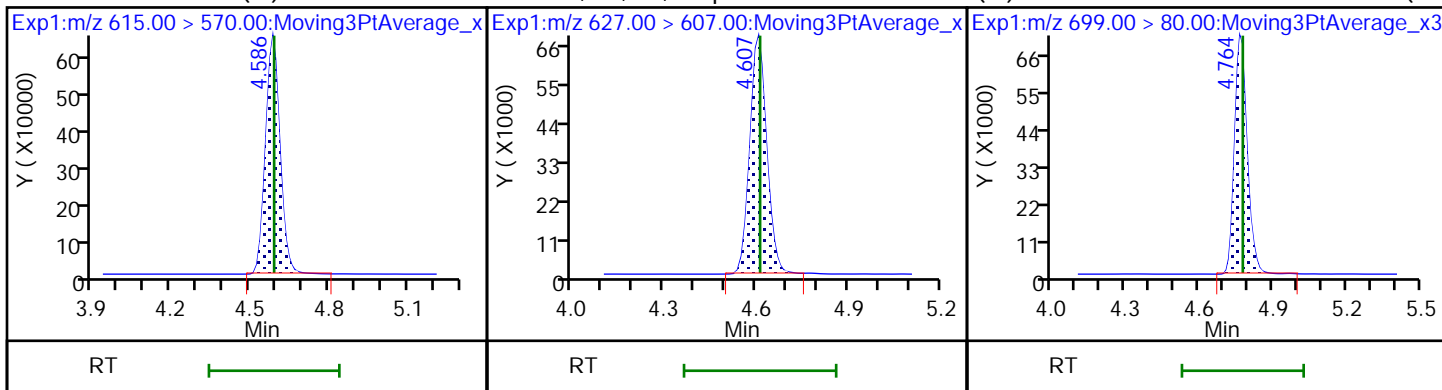
37 Perfluorododecanoic acid

37 Perfluorododecanoic acid (M)



D 36 13C2 PFDa (M)

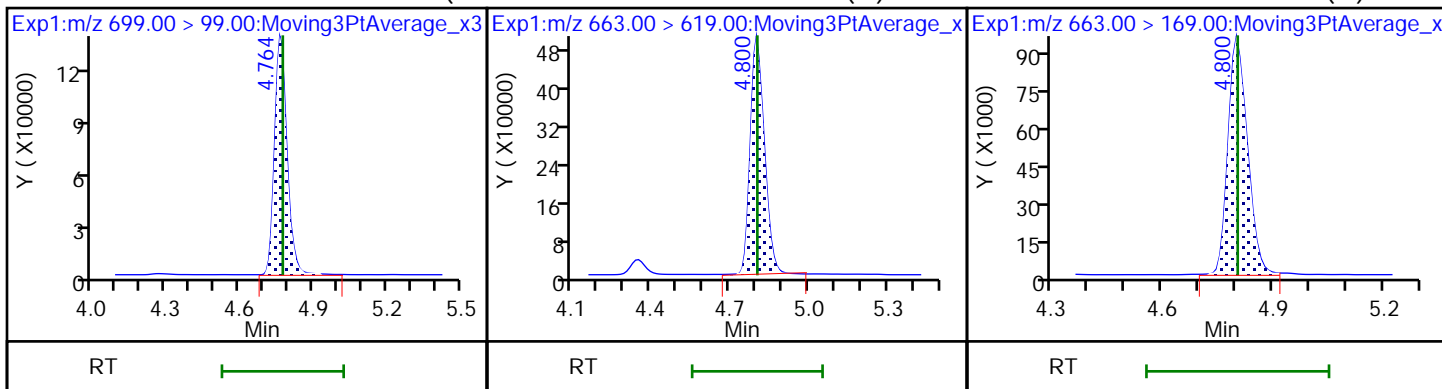
74 1H,1H,2H,2H-perfluorododecanesul (M) Perfluorododecanesulfonic acid (



75 Perfluorododecanesulfonic acid (

41 Perfluorotridecanoic acid (M)

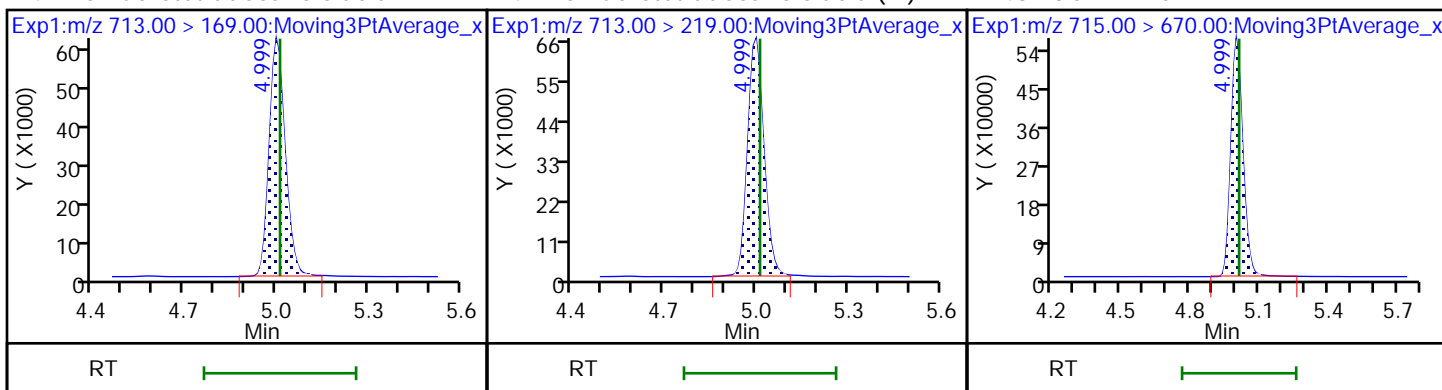
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid

42 Perfluorotetradecanoic acid (M)

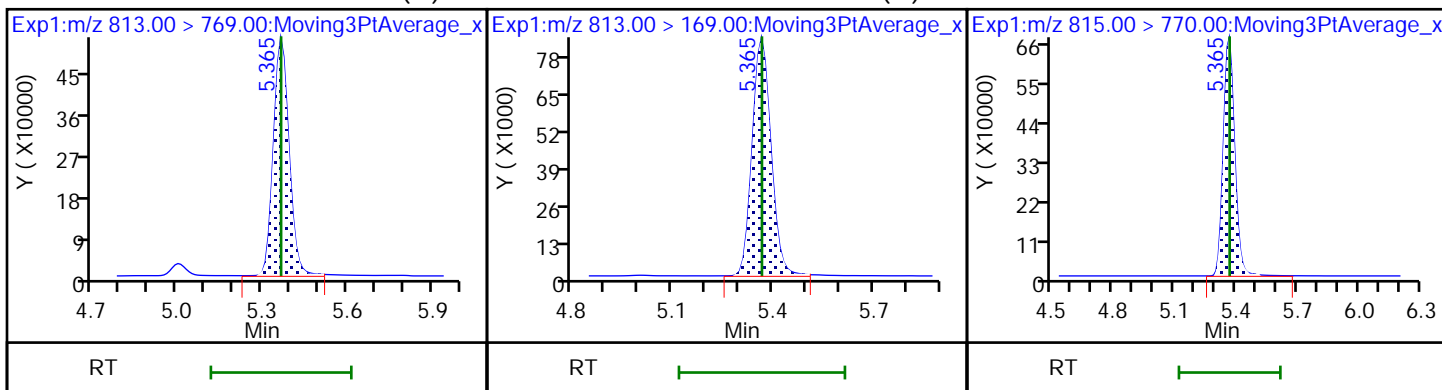
D 43 13C2 PFTeDA



45 Perfluorohexadecanoic acid (M)

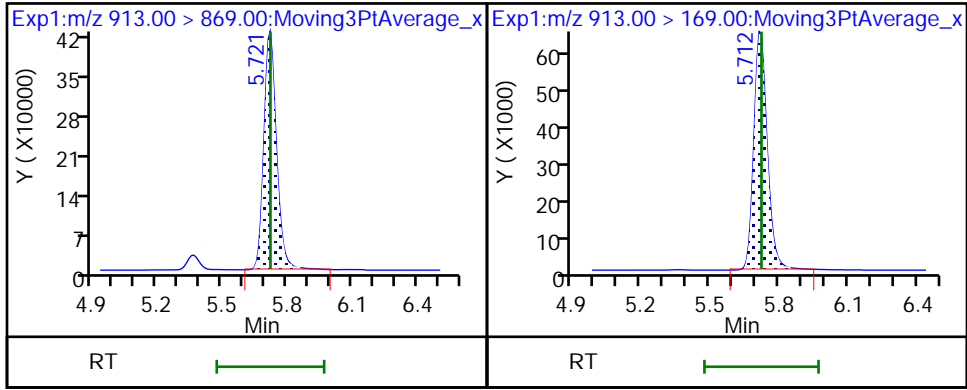
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid



Eurofins Burlington

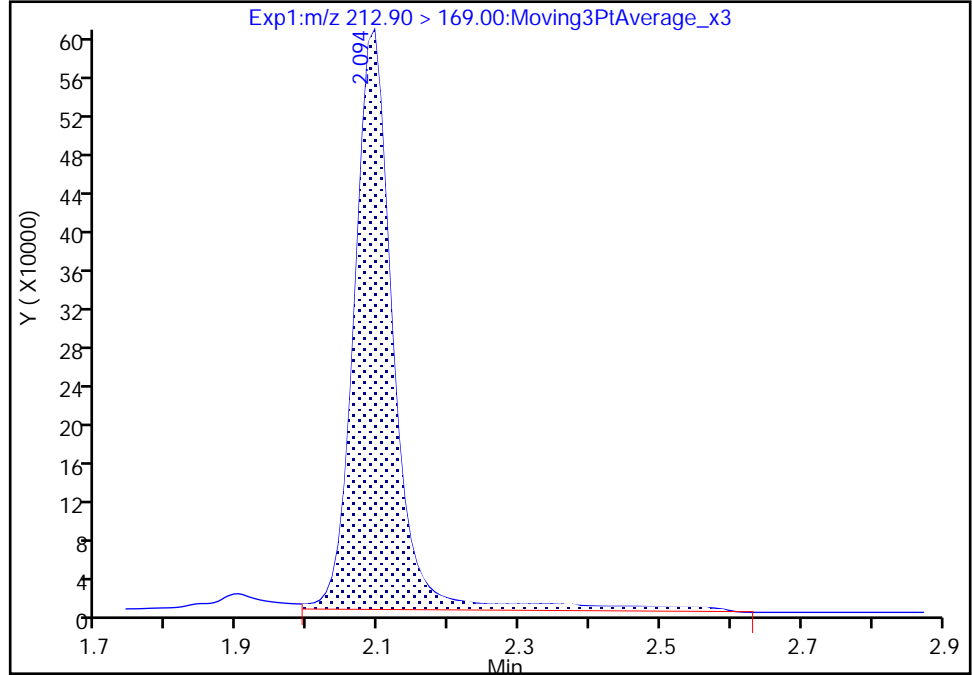
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Lims ID: 460-270311-A-2-C MSD
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

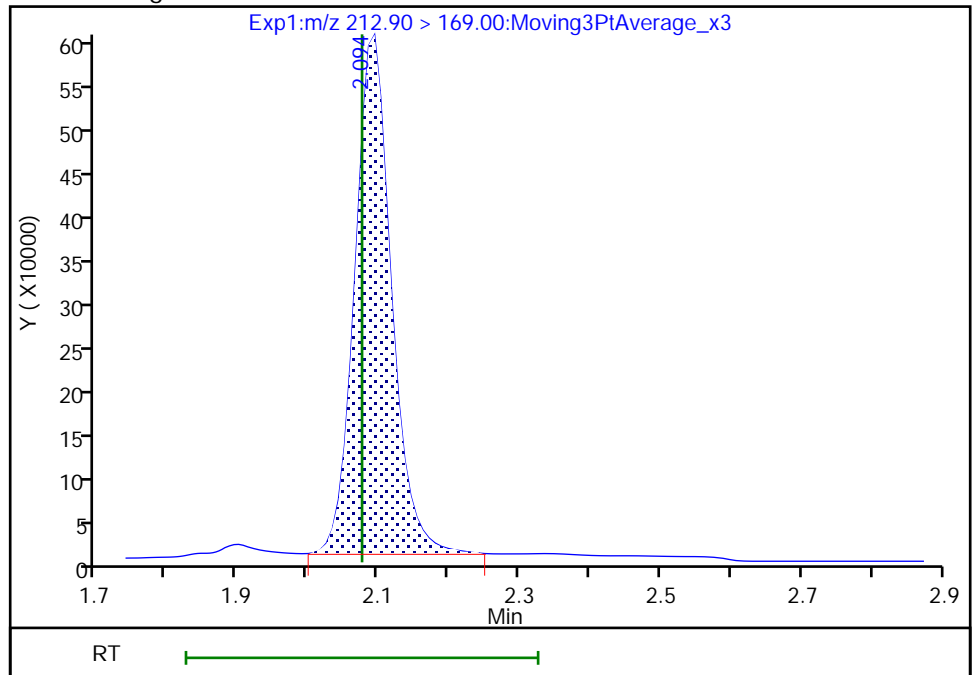
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Amount: 1.084711
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 2144250
Amount: 0.986127
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:15:47
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

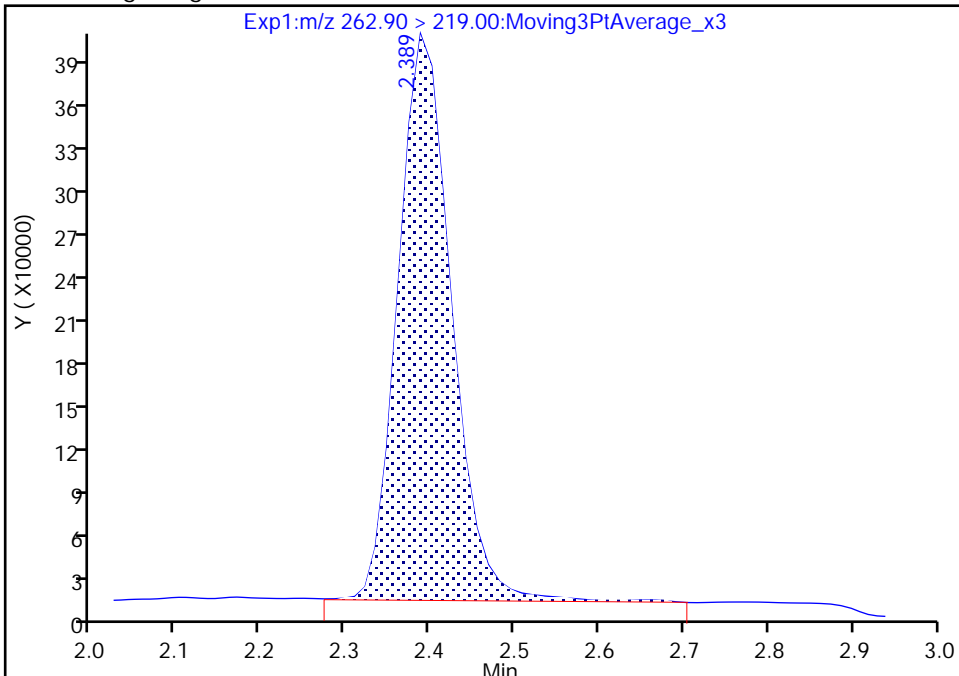
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Lims ID: 460-270311-A-2-C MSD
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

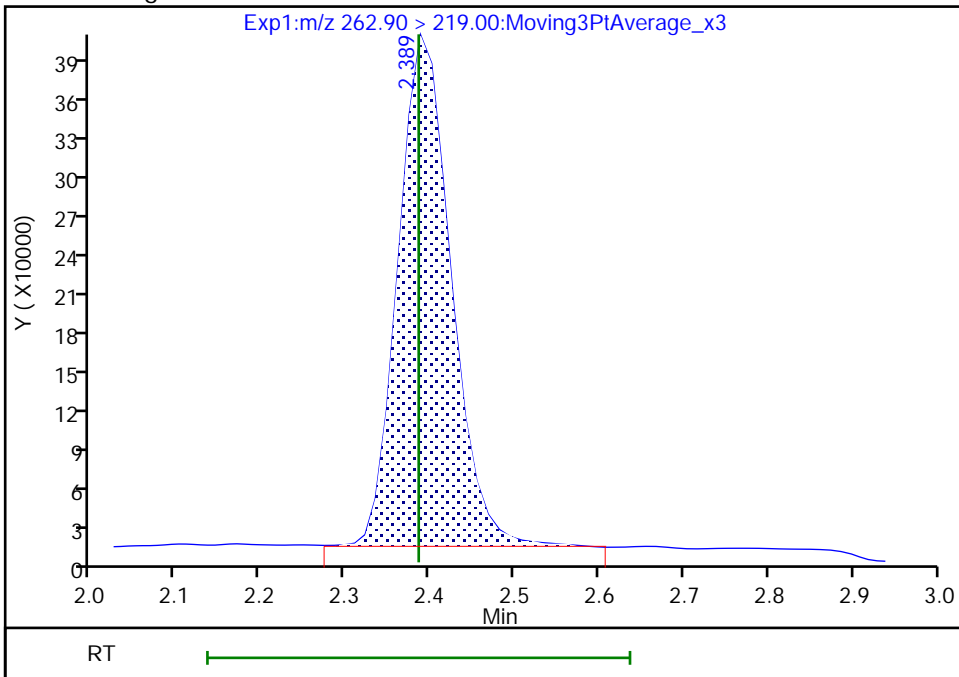
RT: 2.39
Area: 1707761
Amount: 1.012837
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 1696619
Amount: 1.006229
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:15:53
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

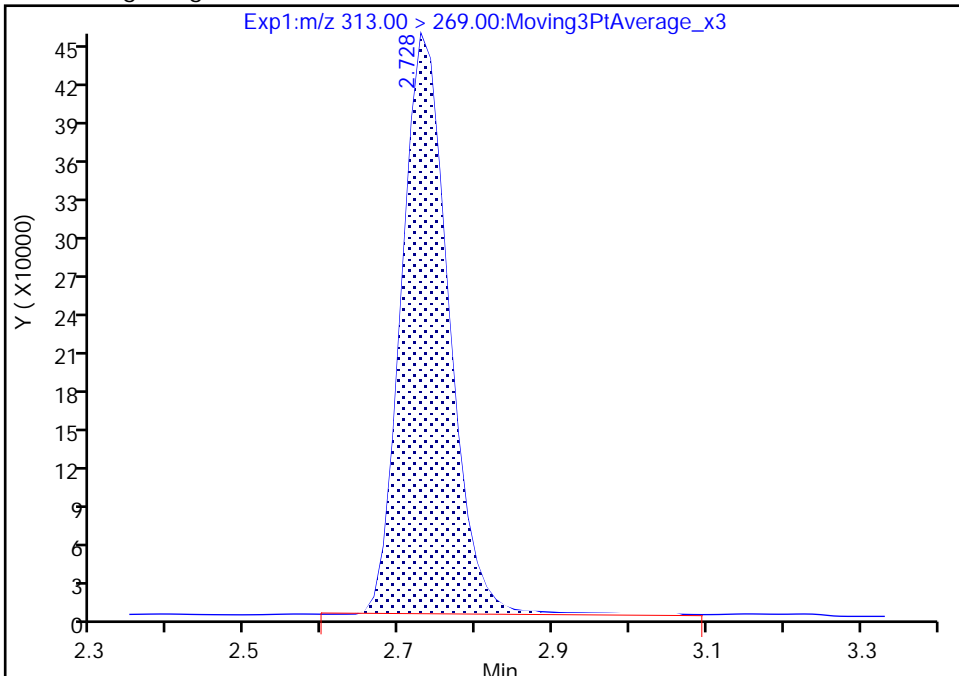
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Lims ID: 460-270311-A-2-C MSD
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

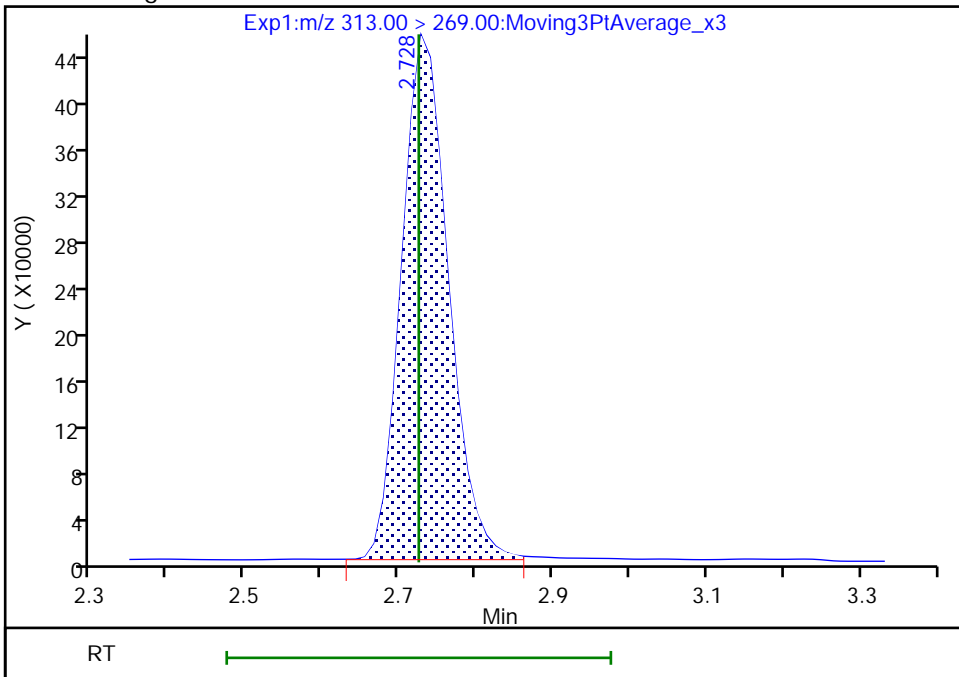
RT: 2.73
Area: 1947234
Amount: 1.004636
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 1931346
Amount: 0.996439
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:16:24
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

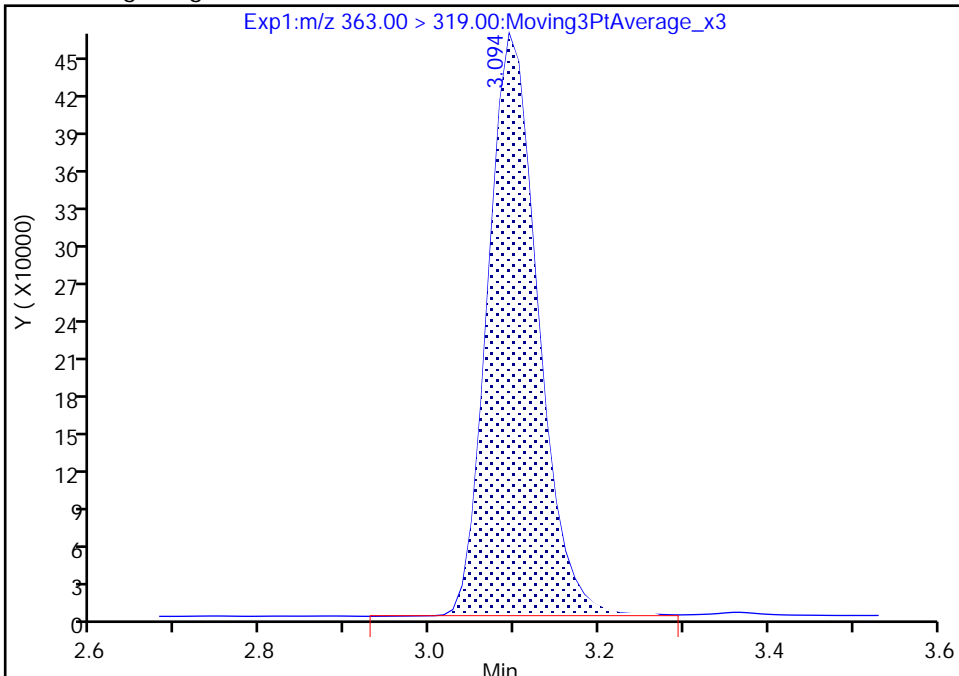
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A11.d
Injection Date: 08-Dec-2022 16:10:22 Instrument ID: LC812
Lims ID: 460-270311-A-2-C MSD
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

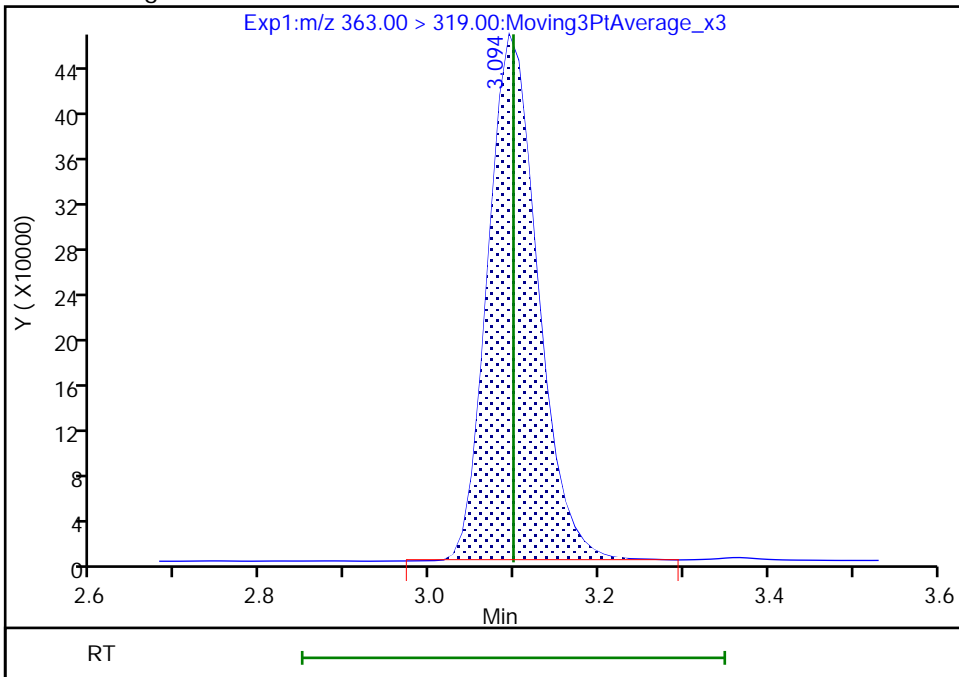
RT: 3.09
Area: 1919309
Amount: 0.956916
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 1913300
Amount: 0.953920
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:17:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

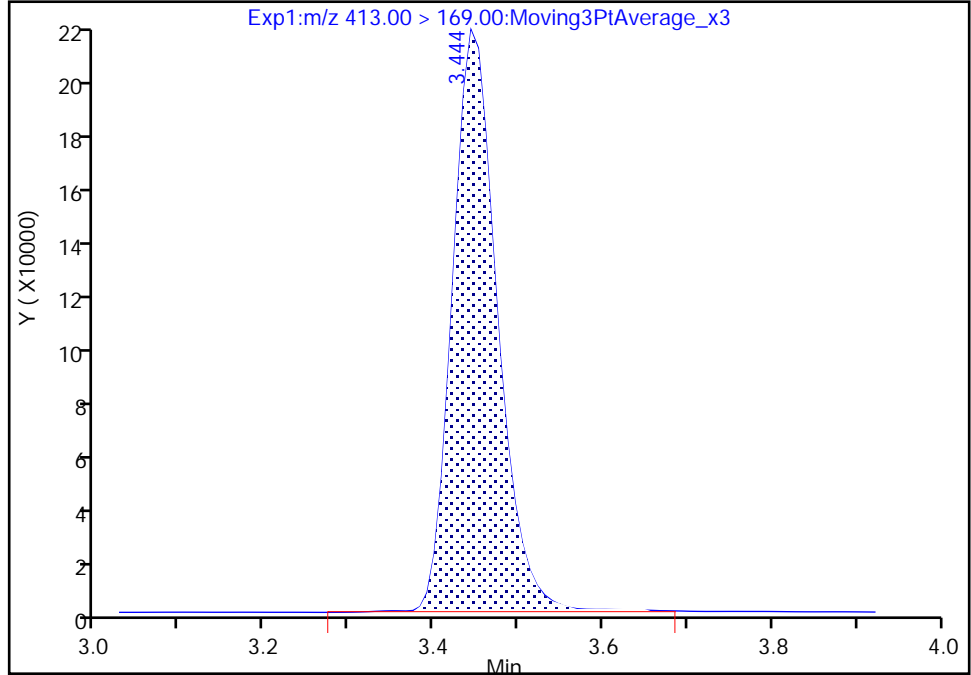
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A11.d
Injection Date: 08-Dec-2022 16:10:22 Instrument ID: LC812
Lims ID: 460-270311-A-2-C MSD
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

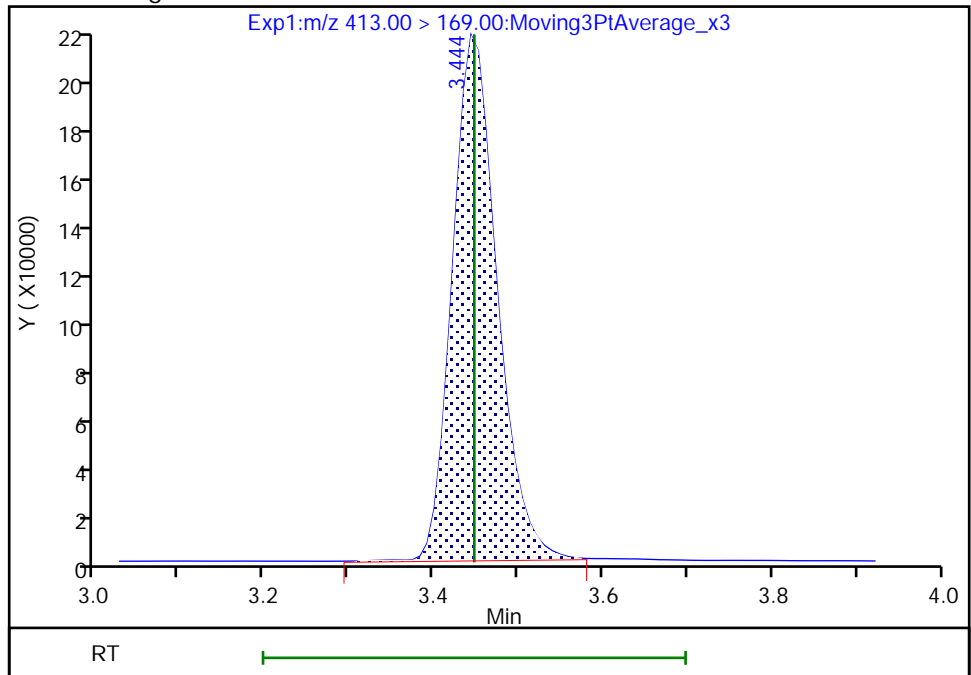
RT: 3.44
Area: 803665
Amount: 1.021157
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 802300
Amount: 1.022267
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:17:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

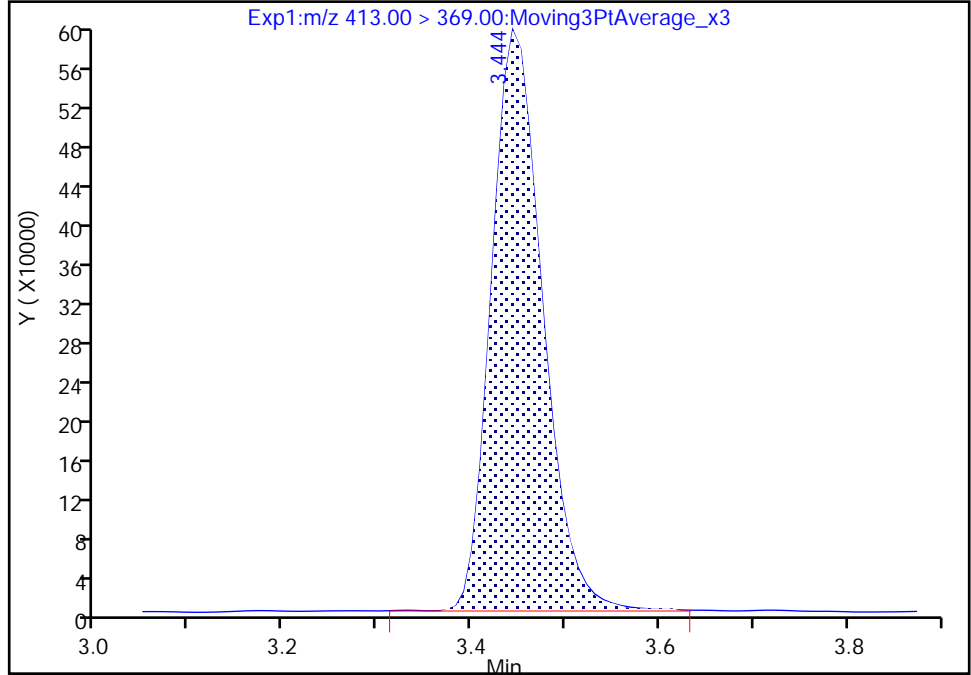
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A11.d
Injection Date: 08-Dec-2022 16:10:22 Instrument ID: LC812
Lims ID: 460-270311-A-2-C MSD
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

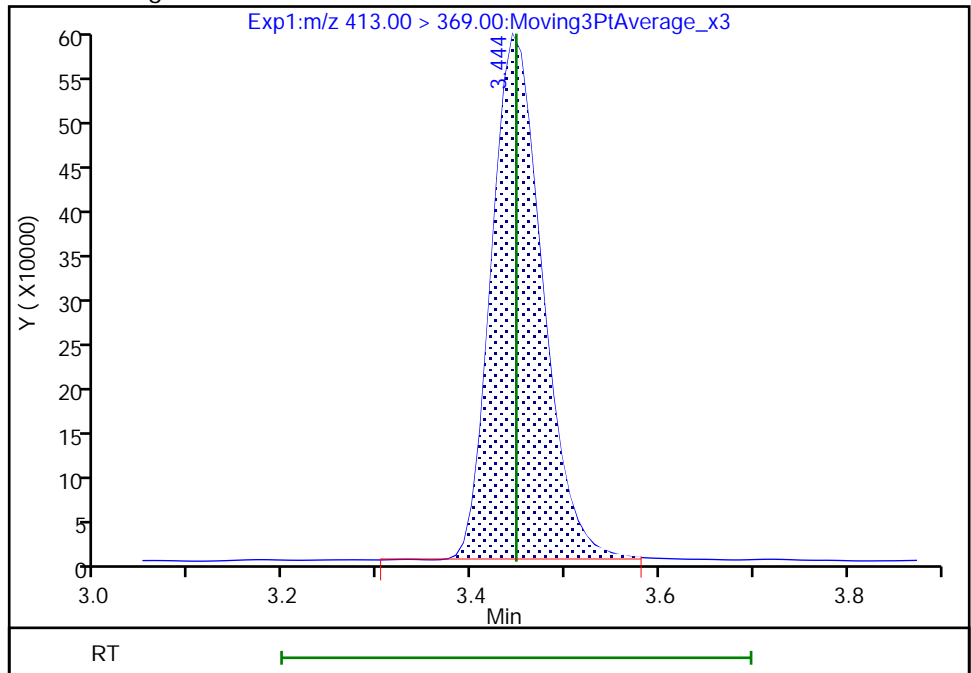
RT: 3.44
Area: 2227361
Amount: 1.021157
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 2229782
Amount: 1.022267
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 15:17:53

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

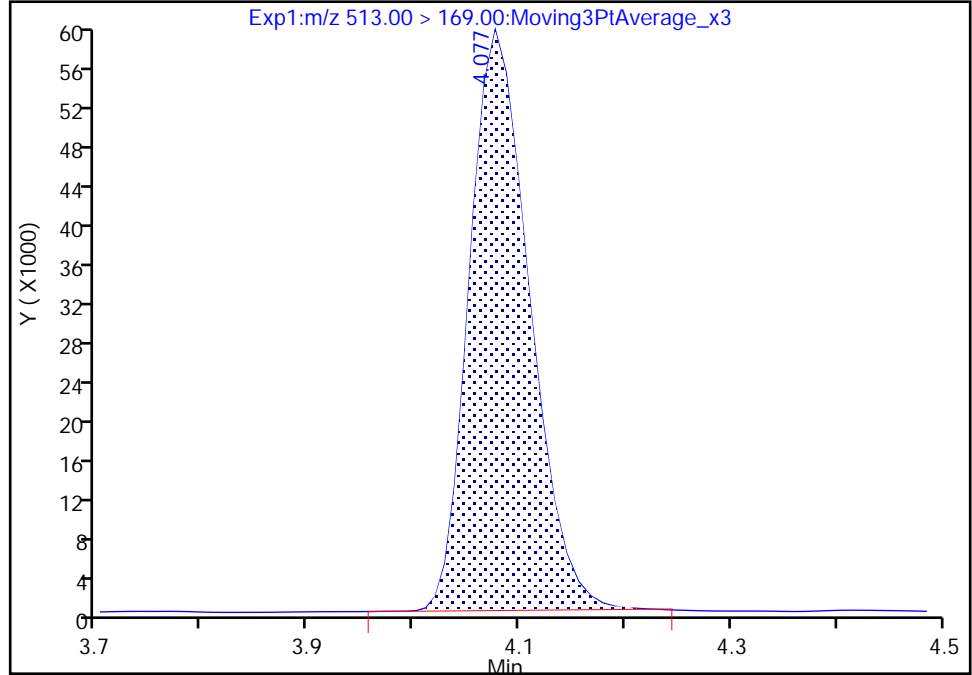
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A11.d
Injection Date: 08-Dec-2022 16:10:22 Instrument ID: LC812
Lims ID: 460-270311-A-2-C MSD
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

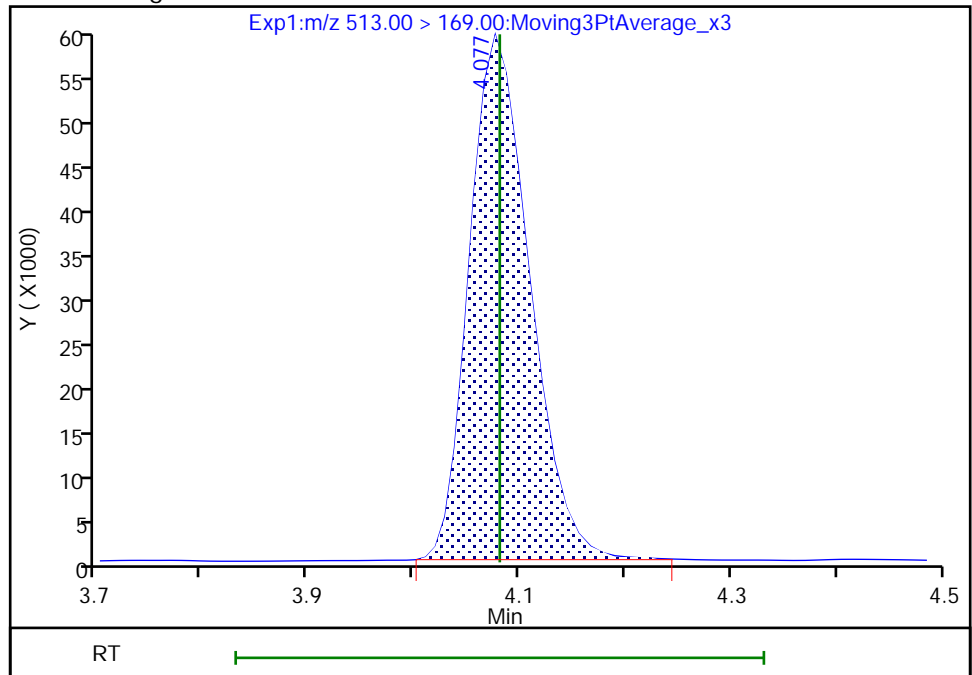
RT: 4.08
Area: 235263
Amount: 1.037443
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 234765
Amount: 1.032804
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:18:42
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

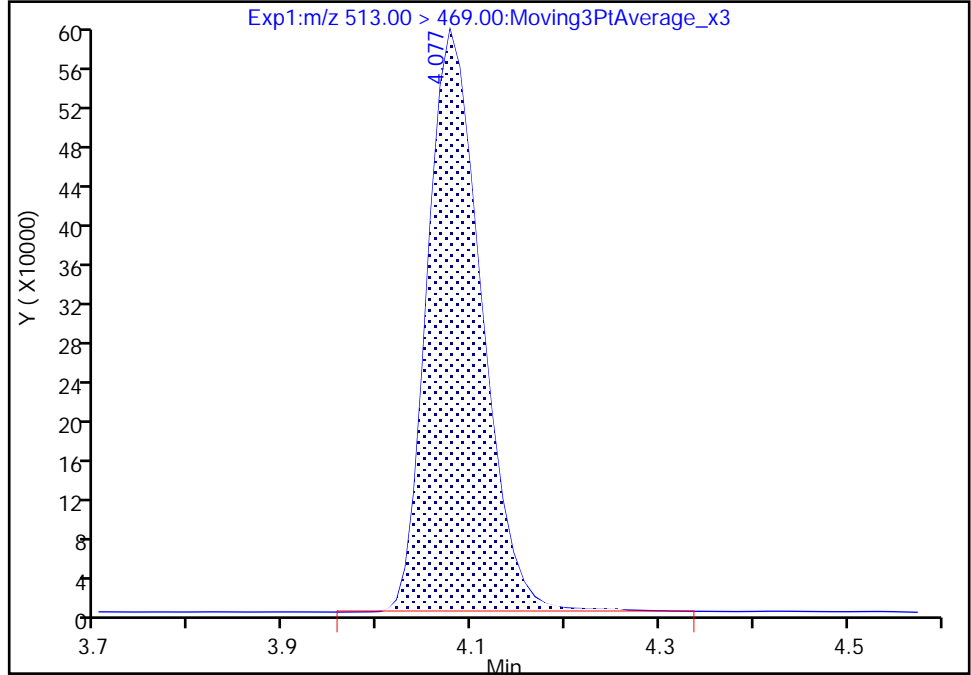
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A11.d
Injection Date: 08-Dec-2022 16:10:22 Instrument ID: LC812
Lims ID: 460-270311-A-2-C MSD
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

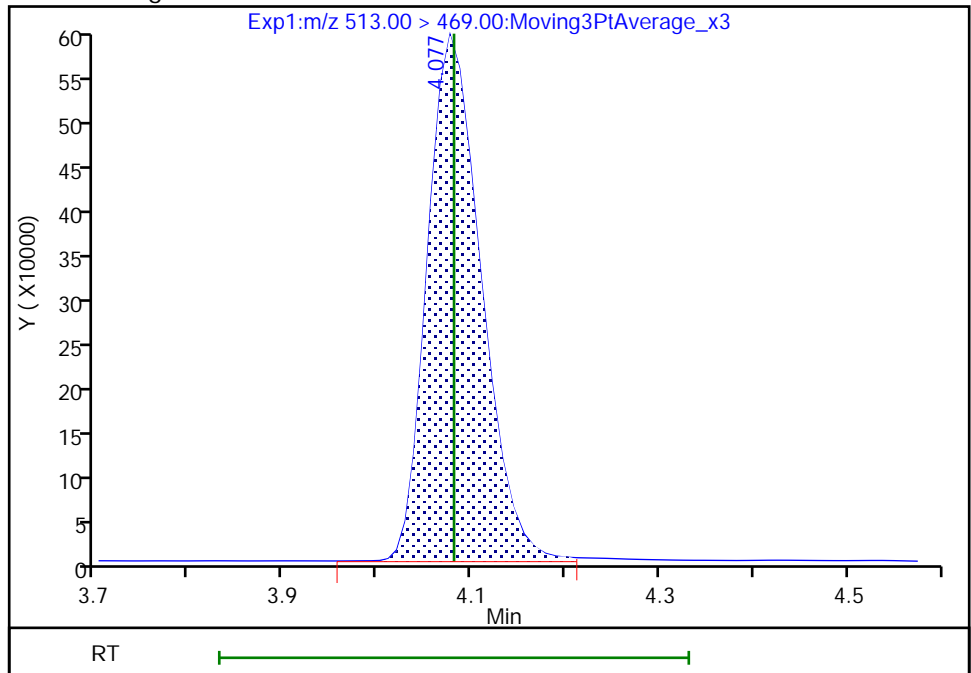
RT: 4.08
Area: 2355544
Amount: 1.037443
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 2345011
Amount: 1.032804
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 15:18:48

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

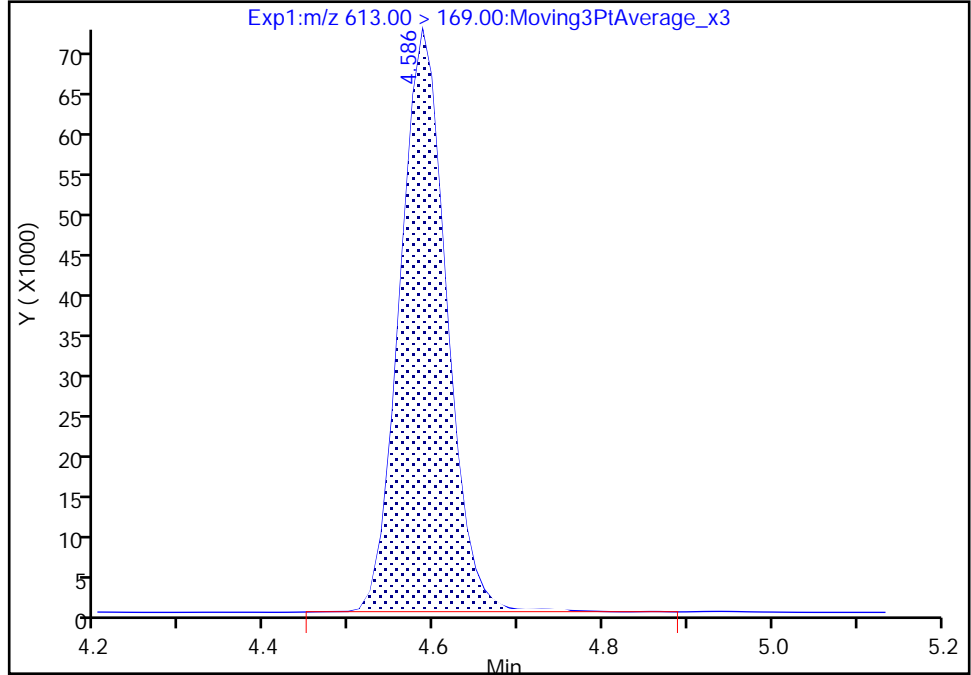
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A11.d
Injection Date: 08-Dec-2022 16:10:22 Instrument ID: LC812
Lims ID: 460-270311-A-2-C MSD
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

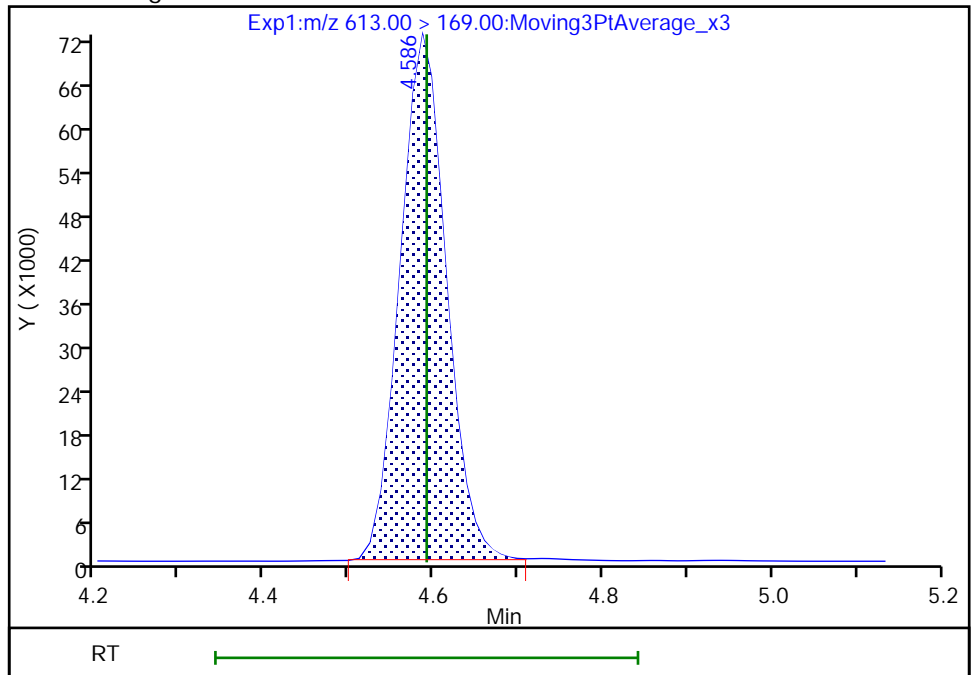
RT: 4.59
Area: 278323
Amount: 0.922859
Amount Units: ng/ml

Processing Integration Results



RT: 4.59
Area: 274694
Amount: 0.922859
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:19:57
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

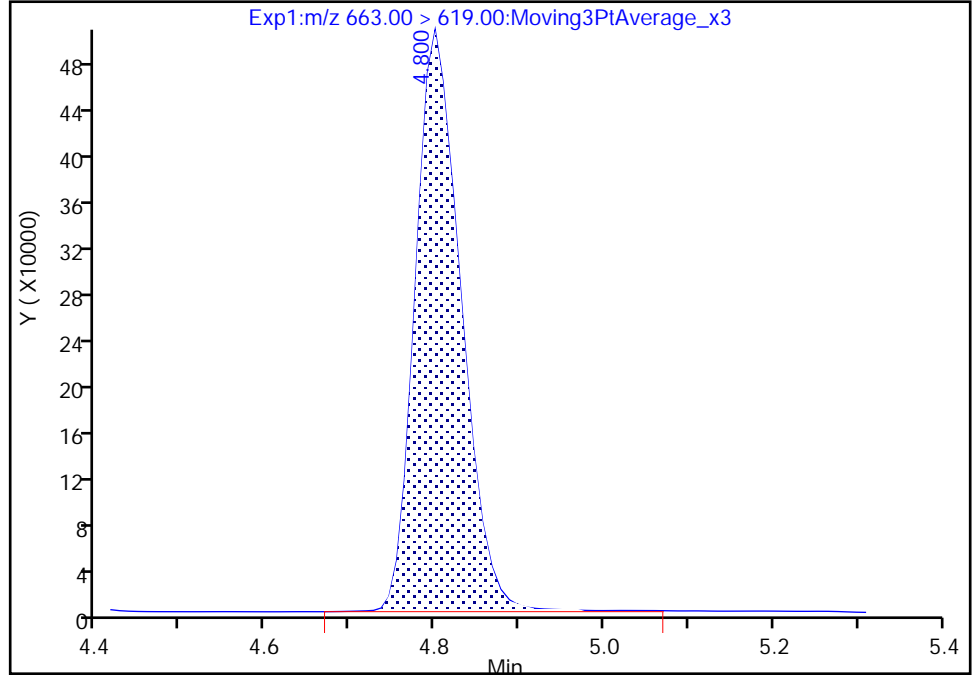
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A11.d
Injection Date: 08-Dec-2022 16:10:22 Instrument ID: LC812
Lims ID: 460-270311-A-2-C MSD
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

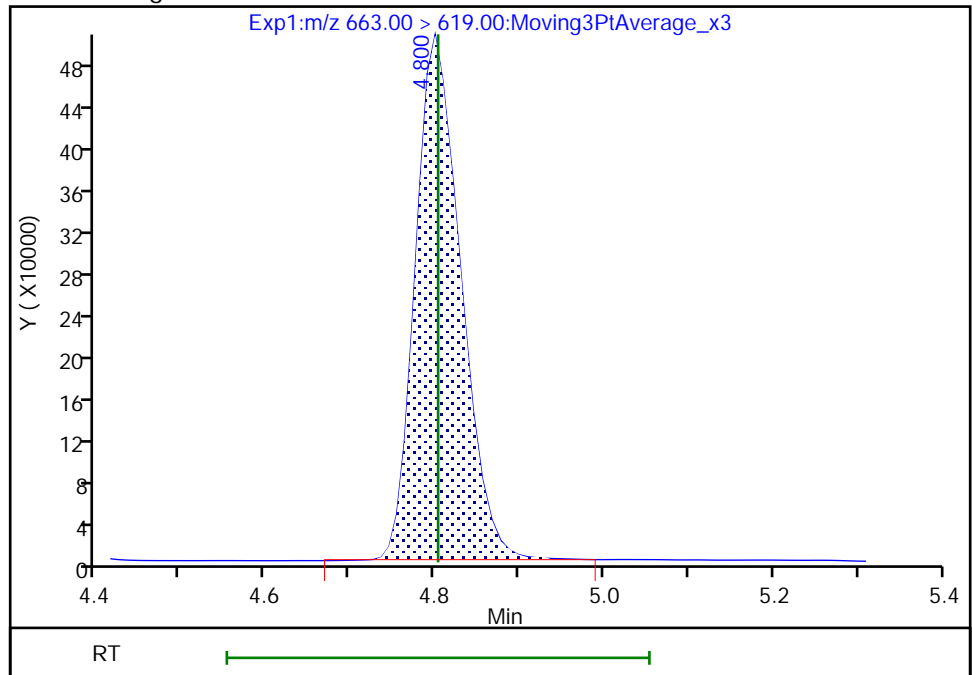
RT: 4.80
Area: 1880823
Amount: 0.930477
Amount Units: ng/ml

Processing Integration Results



RT: 4.80
Area: 1877155
Amount: 0.928662
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:20:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

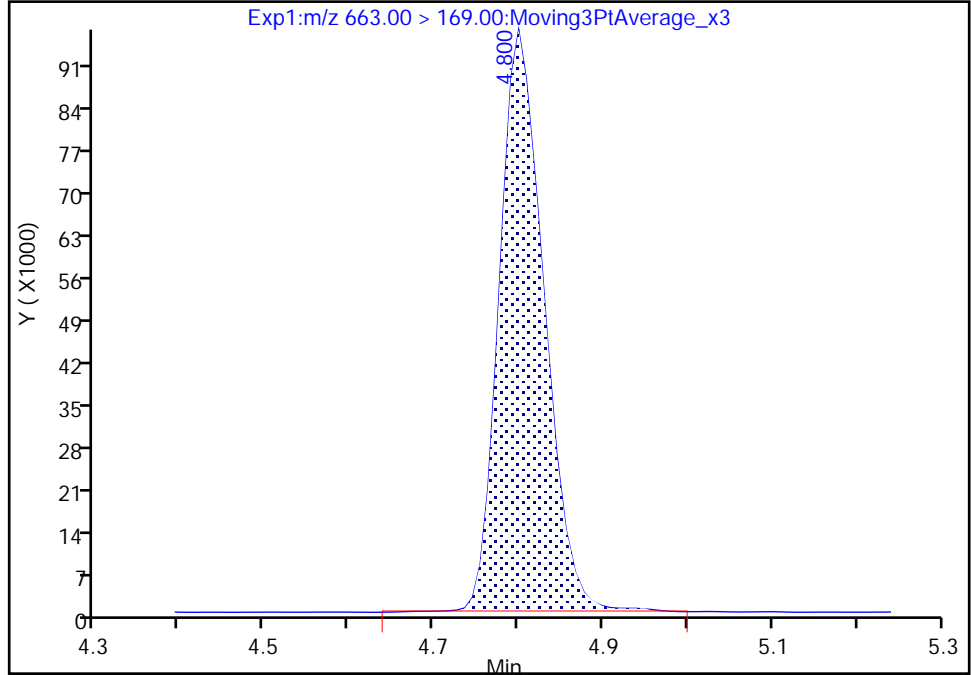
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A11.d
Injection Date: 08-Dec-2022 16:10:22 Instrument ID: LC812
Lims ID: 460-270311-A-2-C MSD
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

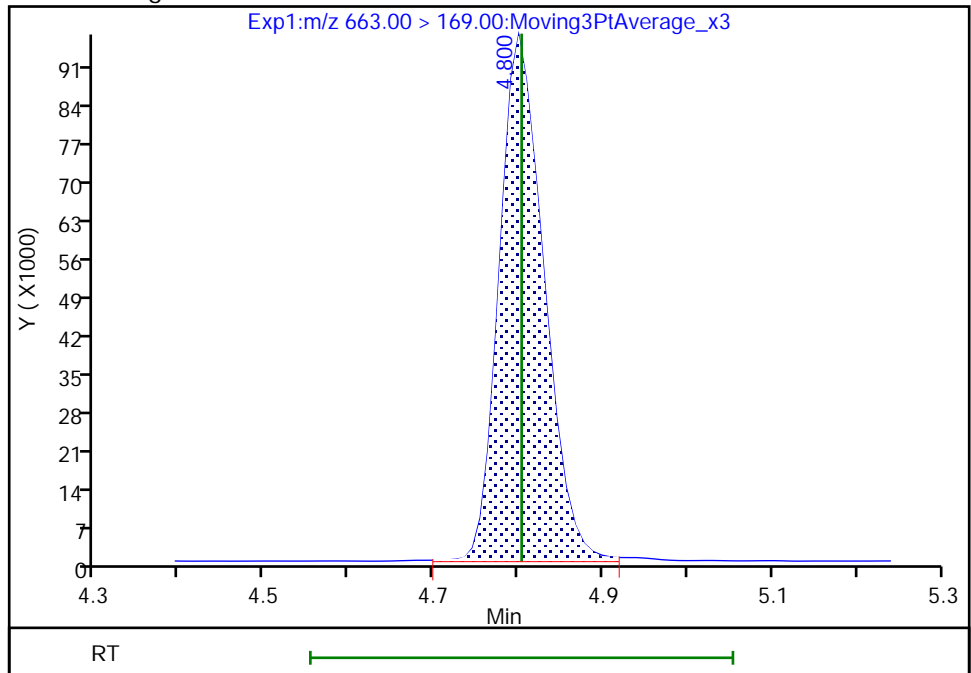
RT: 4.80
Area: 354935
Amount: 0.930477
Amount Units: ng/ml

Processing Integration Results



RT: 4.80
Area: 352151
Amount: 0.928662
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 15:20:24

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

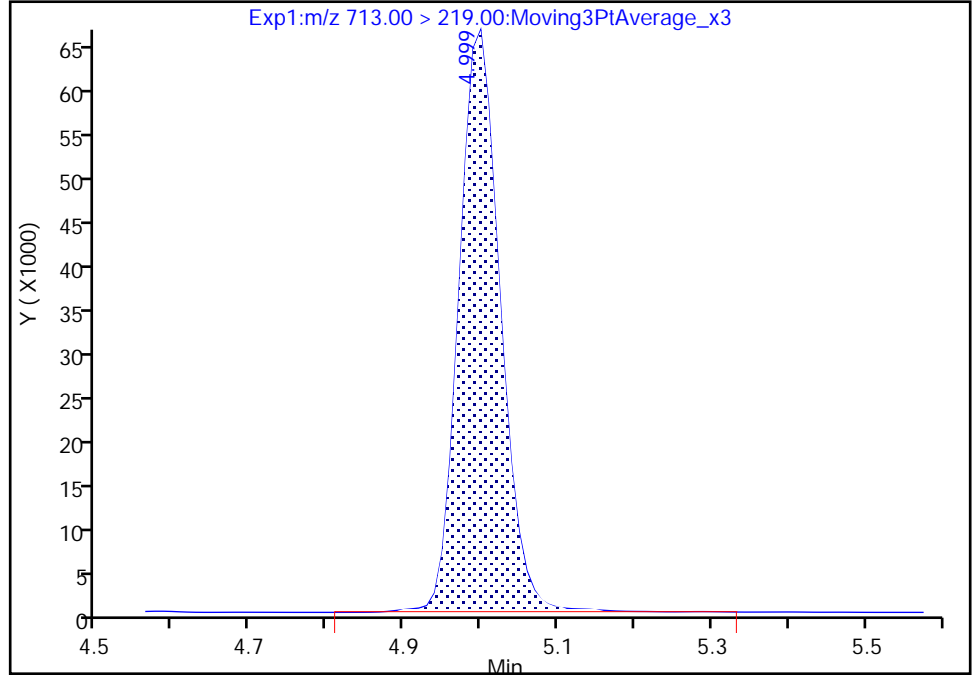
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A11.d
Injection Date: 08-Dec-2022 16:10:22 Instrument ID: LC812
Lims ID: 460-270311-A-2-C MSD
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

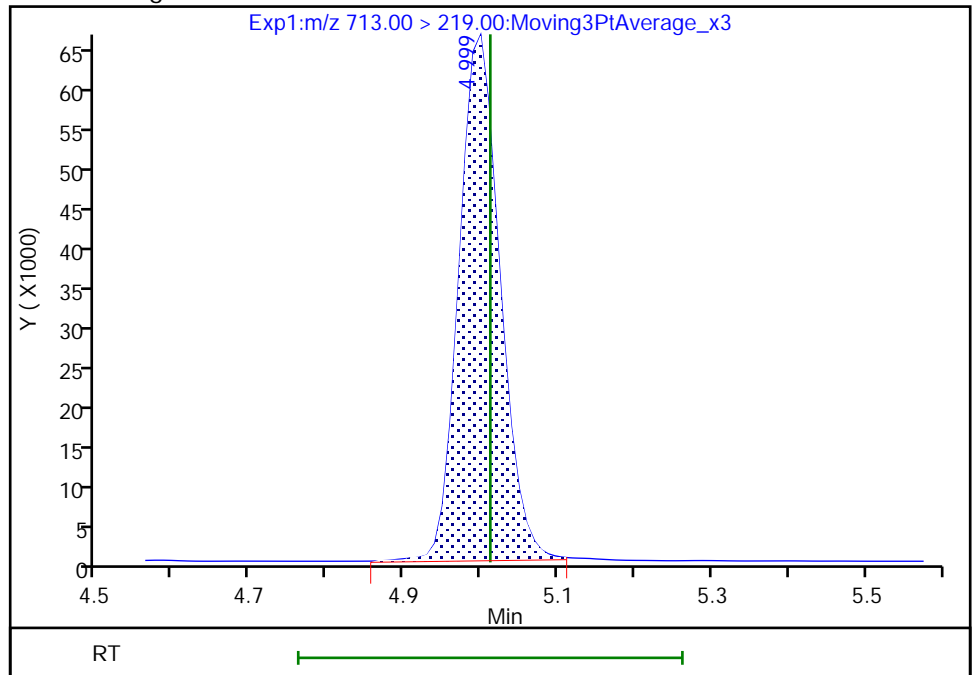
RT: 5.00
Area: 248736
Amount: 0.995800
Amount Units: ng/ml

Processing Integration Results



RT: 5.00
Area: 246449
Amount: 0.995800
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:20:33
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

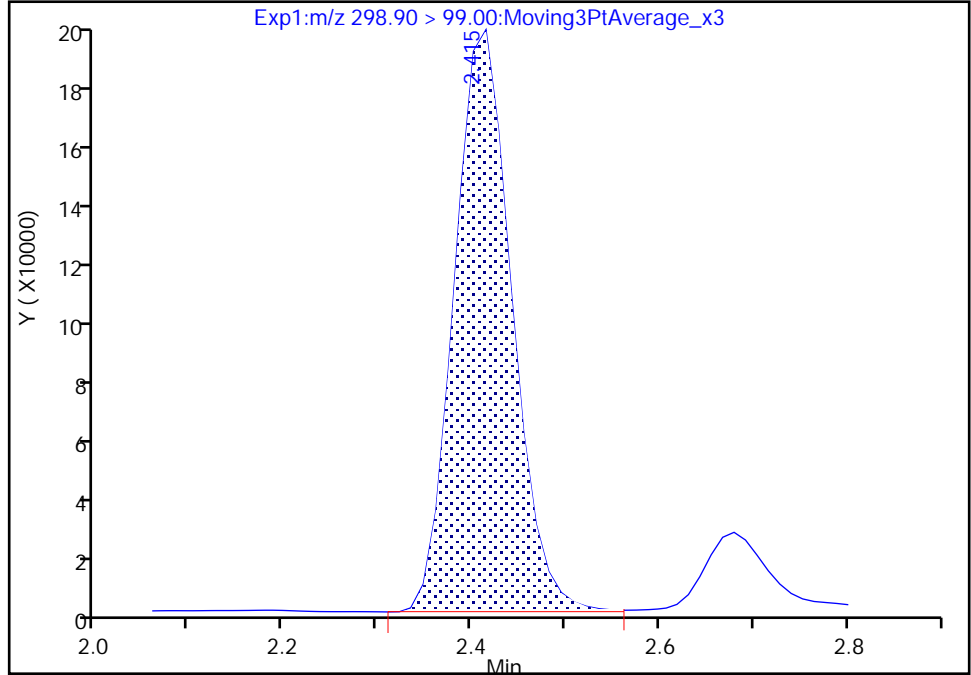
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A11.d
Injection Date: 08-Dec-2022 16:10:22 Instrument ID: LC812
Lims ID: 460-270311-A-2-C MSD
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

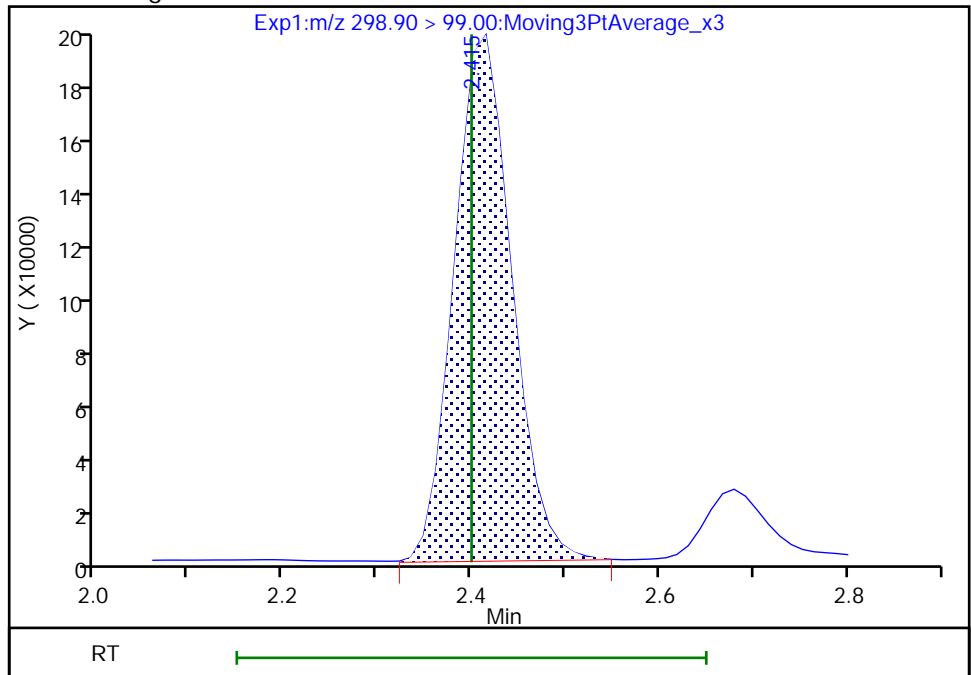
RT: 2.42
Area: 824137
Amount: 0.876293
Amount Units: ng/ml

Processing Integration Results



RT: 2.42
Area: 817428
Amount: 0.876293
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:16:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

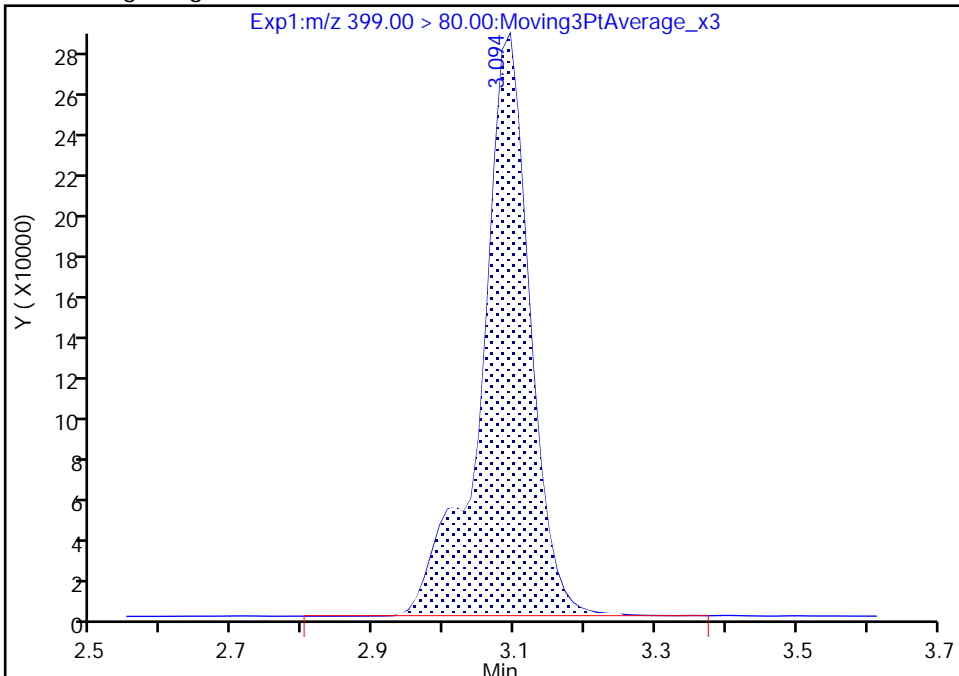
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A11.d
Injection Date: 08-Dec-2022 16:10:22 Instrument ID: LC812
Lims ID: 460-270311-A-2-C MSD
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

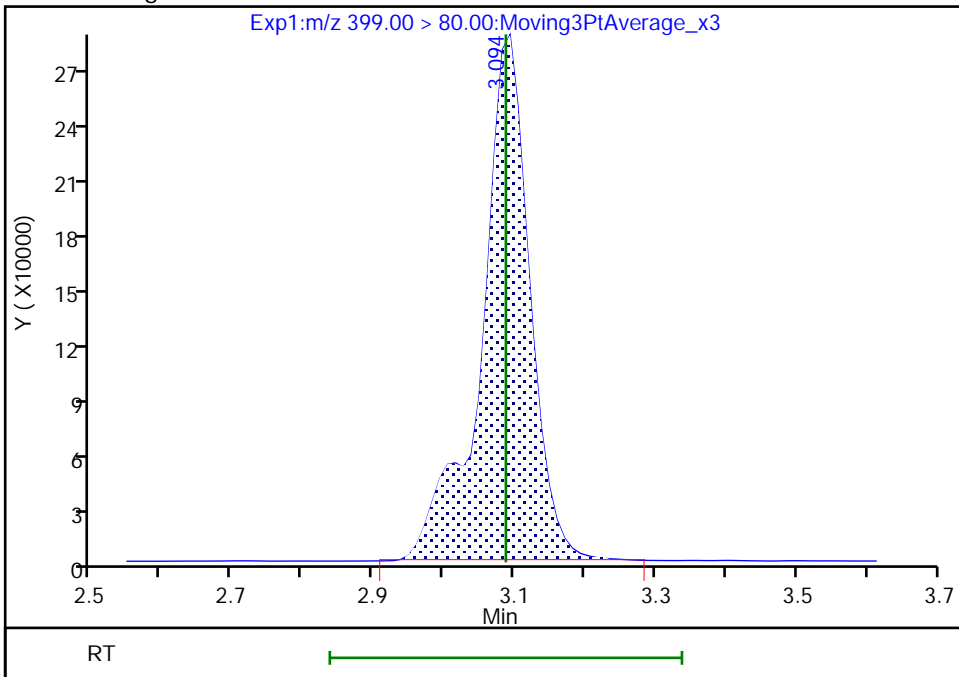
RT: 3.09
Area: 1372551
Amount: 0.905963
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 1369091
Amount: 0.903679
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:16:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

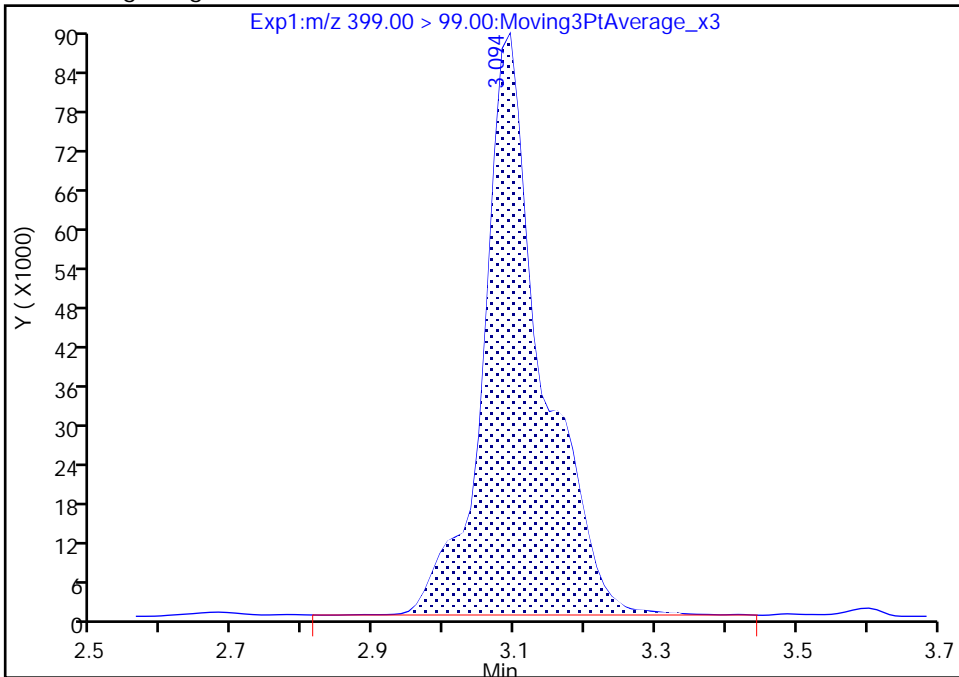
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A11.d
Injection Date: 08-Dec-2022 16:10:22 Instrument ID: LC812
Lims ID: 460-270311-A-2-C MSD
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

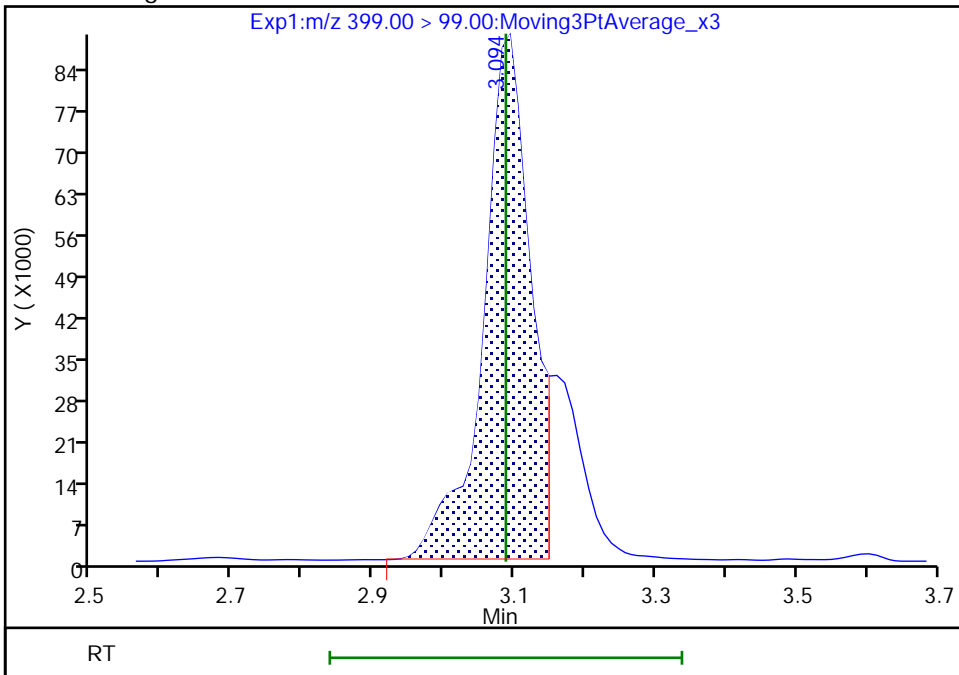
RT: 3.09
Area: 528287
Amount: 0.905963
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 415650
Amount: 0.903679
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 15:16:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

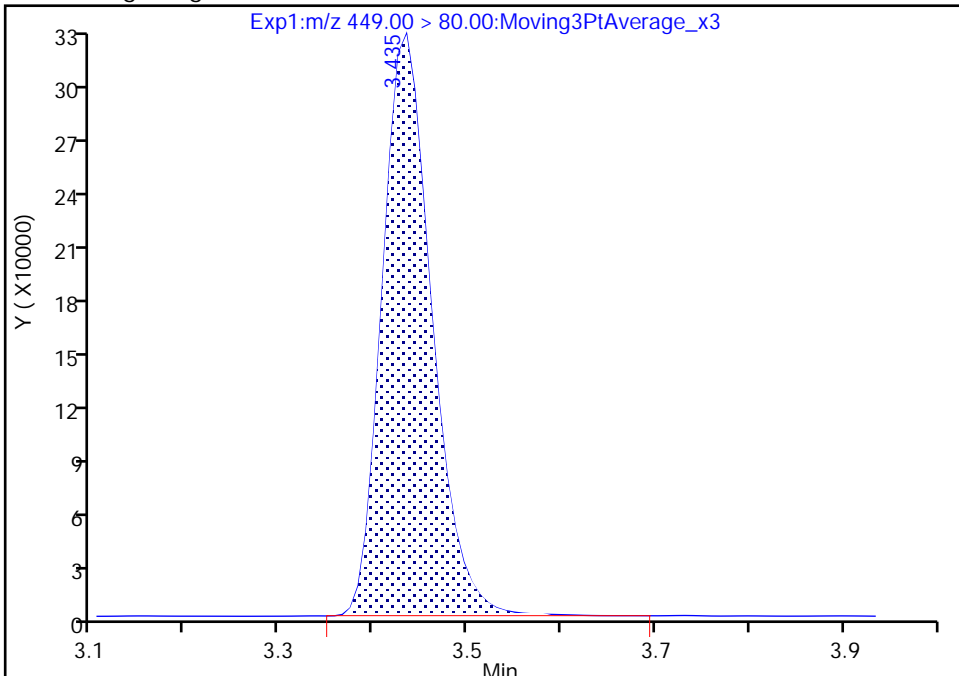
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A11.d
Injection Date: 08-Dec-2022 16:10:22 Instrument ID: LC812
Lims ID: 460-270311-A-2-C MSD
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

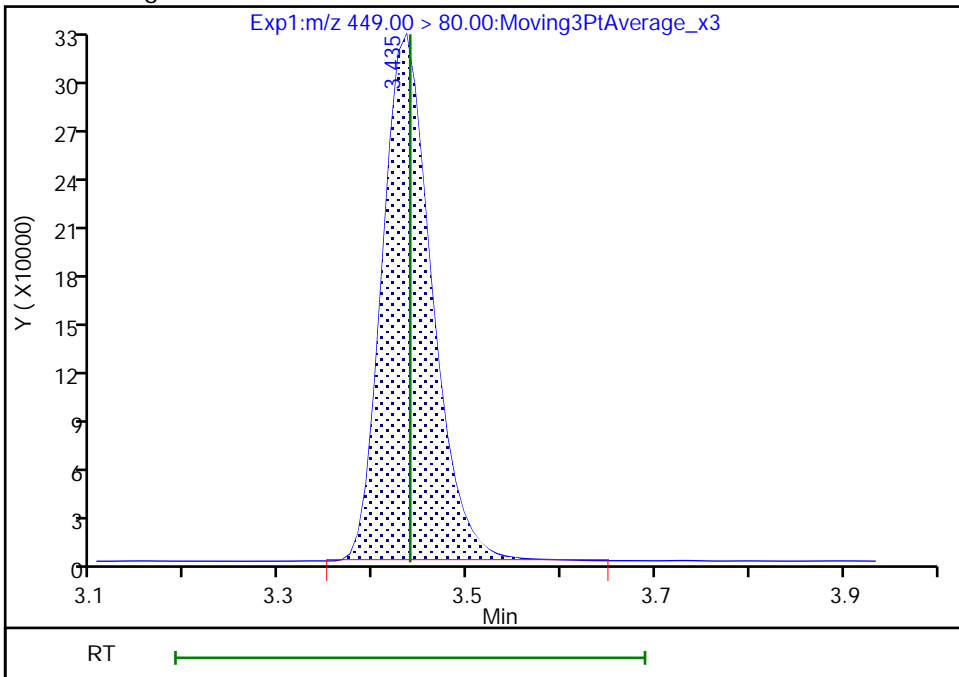
RT: 3.43
Area: 1210145
Amount: 0.970562
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 1203908
Amount: 0.965560
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:17:29
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

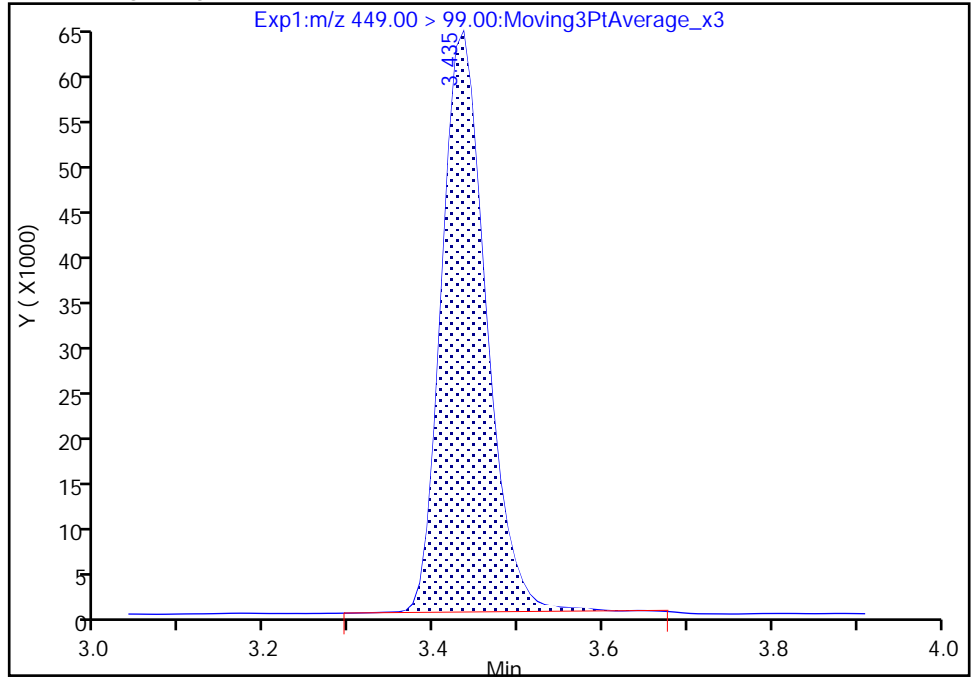
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A11.d
Injection Date: 08-Dec-2022 16:10:22 Instrument ID: LC812
Lims ID: 460-270311-A-2-C MSD
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

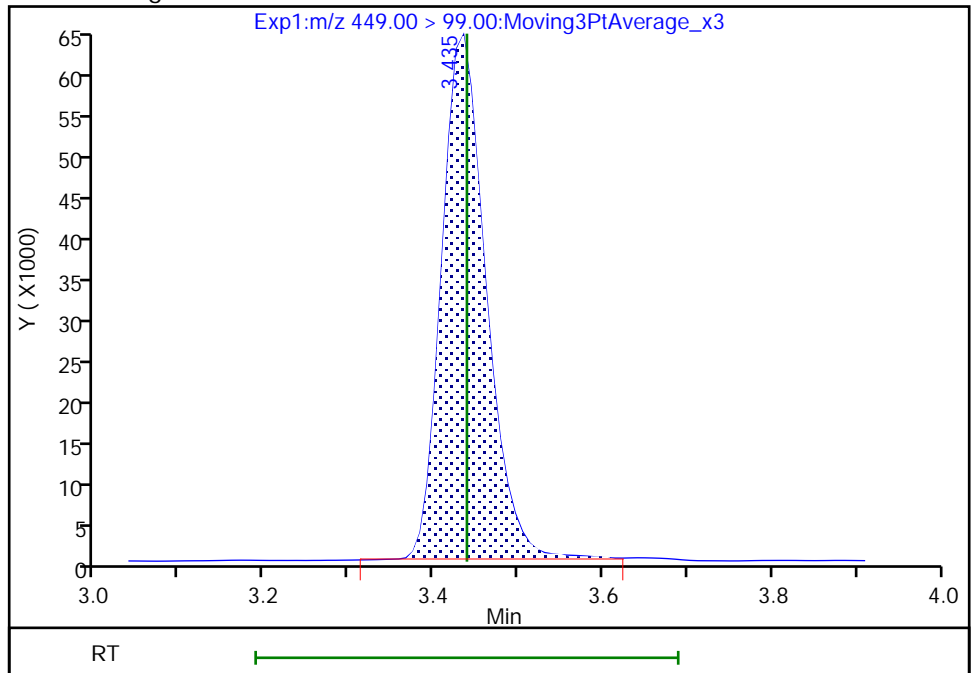
RT: 3.43
Area: 237322
Amount: 0.970562
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 236028
Amount: 0.965560
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 15:17:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

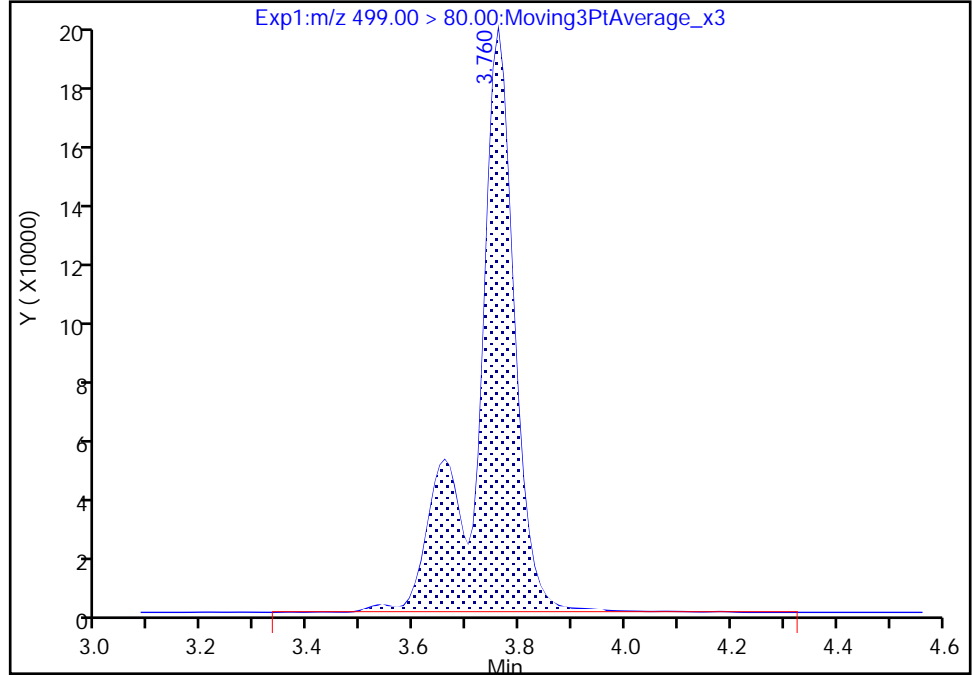
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A11.d
Injection Date: 08-Dec-2022 16:10:22 Instrument ID: LC812
Lims ID: 460-270311-A-2-C MSD
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

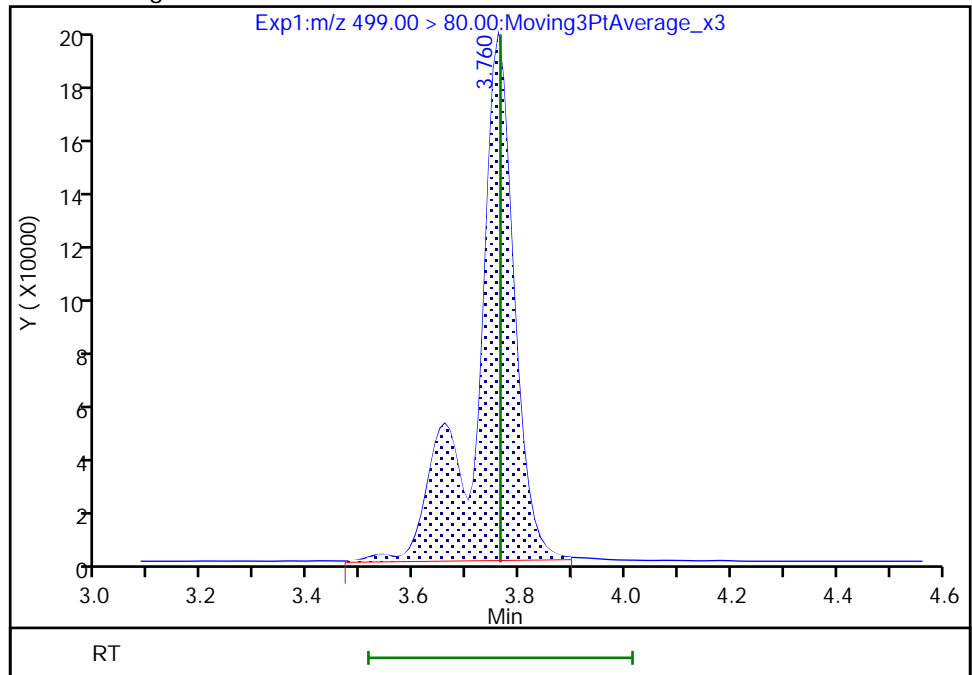
RT: 3.76
Area: 1000767
Amount: 0.921816
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 984897
Amount: 0.907198
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:18:07
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

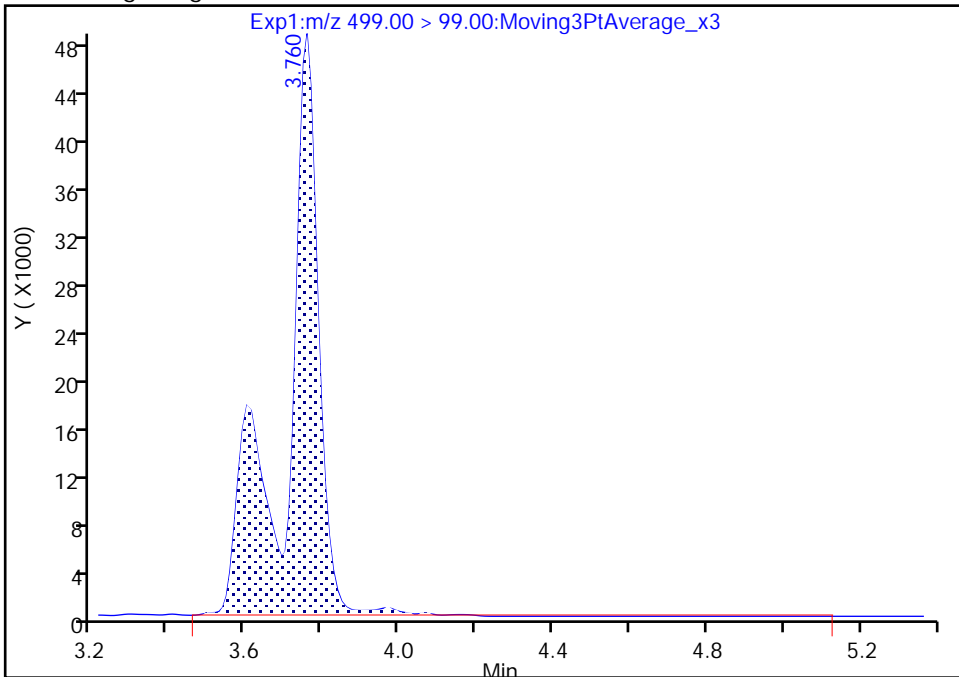
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A11.d
Injection Date: 08-Dec-2022 16:10:22 Instrument ID: LC812
Lims ID: 460-270311-A-2-C MSD
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

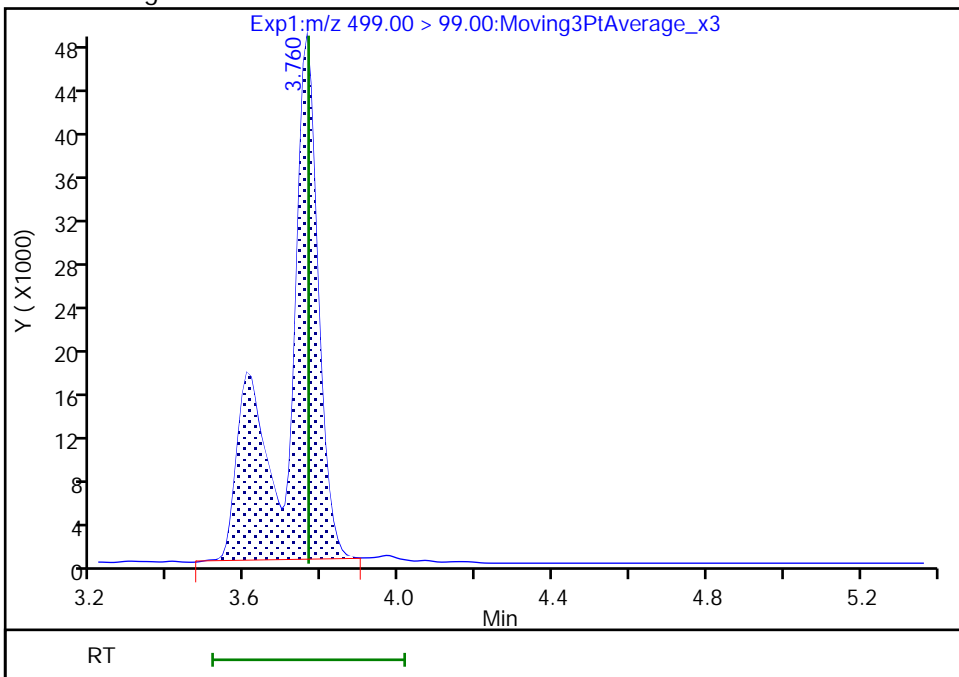
Processing Integration Results

RT: 3.76
Area: 296765
Amount: 0.921816
Amount Units: ng/ml



Manual Integration Results

RT: 3.76
Area: 283458
Amount: 0.907198
Amount Units: ng/ml



Reviewer: nampitkw, 09-Dec-2022 15:18:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

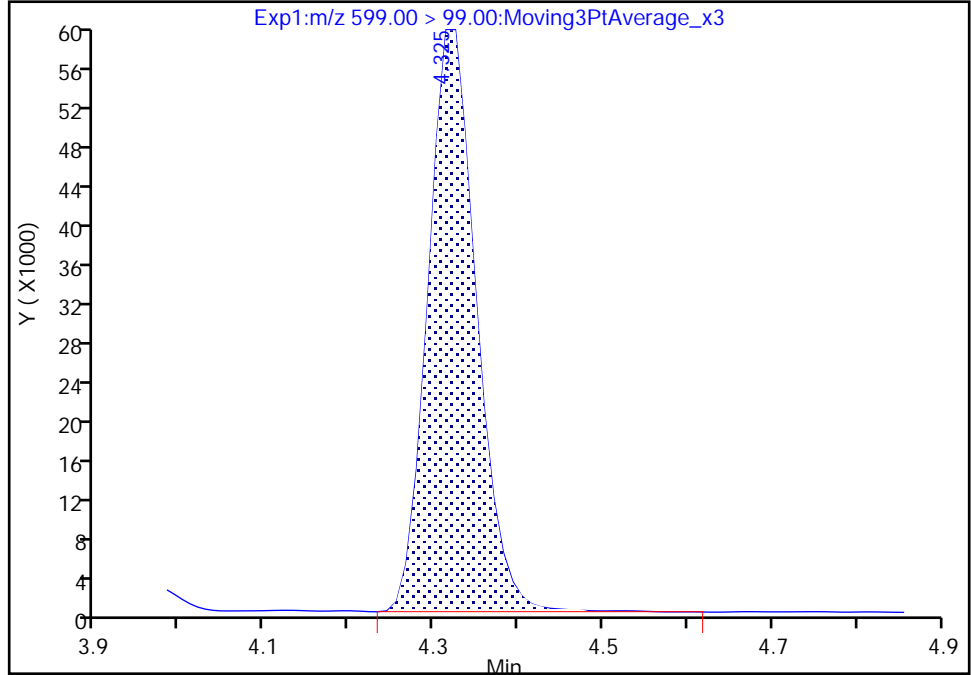
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A11.d
Injection Date: 08-Dec-2022 16:10:22 Instrument ID: LC812
Lims ID: 460-270311-A-2-C MSD
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

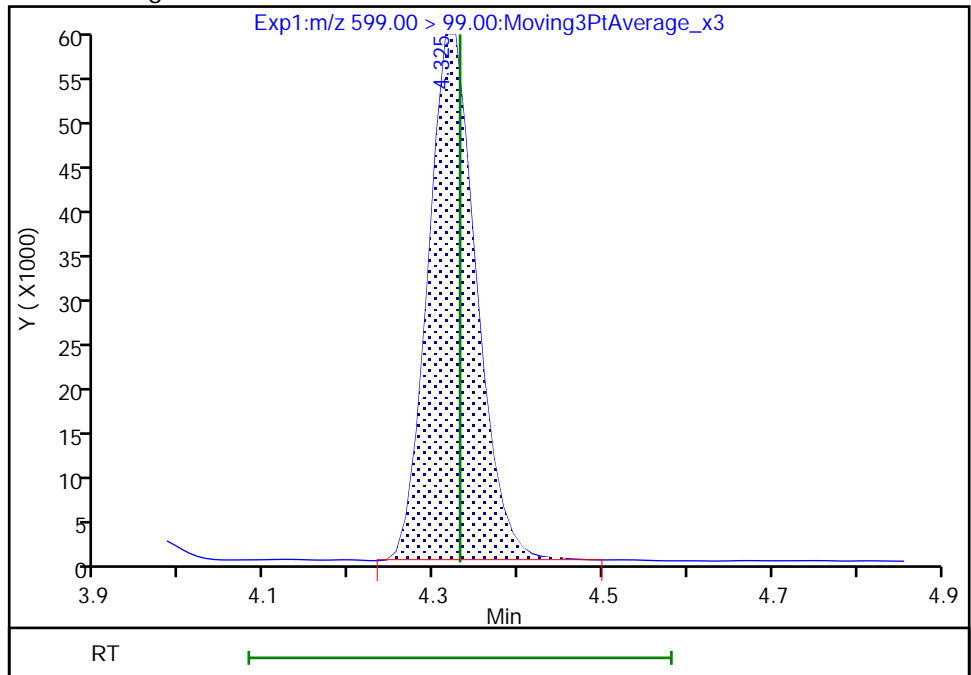
RT: 4.33
Area: 239547
Amount: 0.967671
Amount Units: ng/ml

Processing Integration Results



RT: 4.33
Area: 237900
Amount: 0.964043
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:19:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

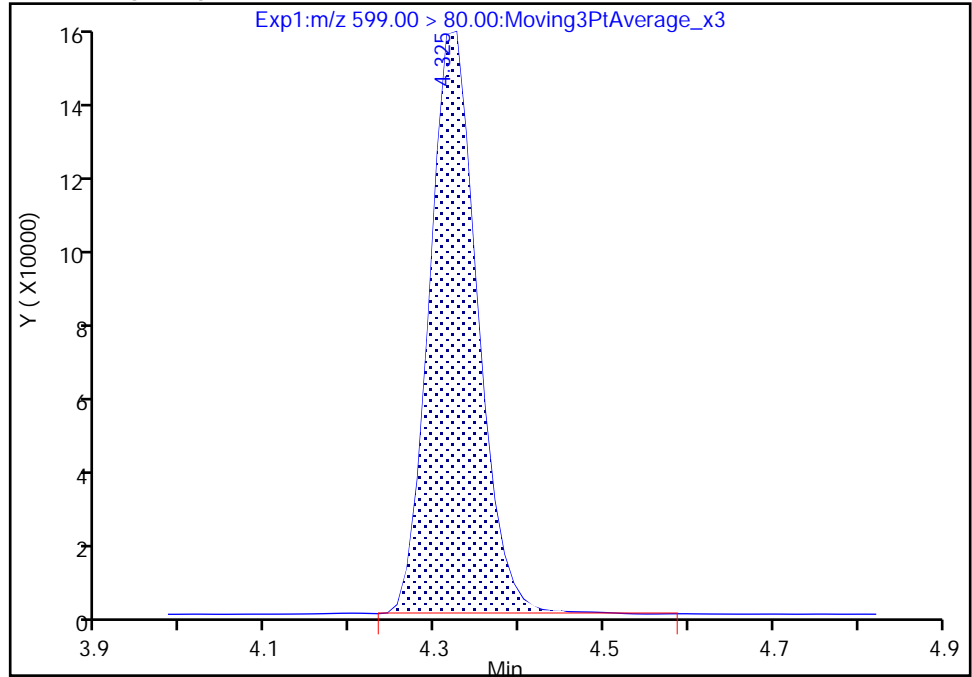
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A11.d
Injection Date: 08-Dec-2022 16:10:22 Instrument ID: LC812
Lims ID: 460-270311-A-2-C MSD
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

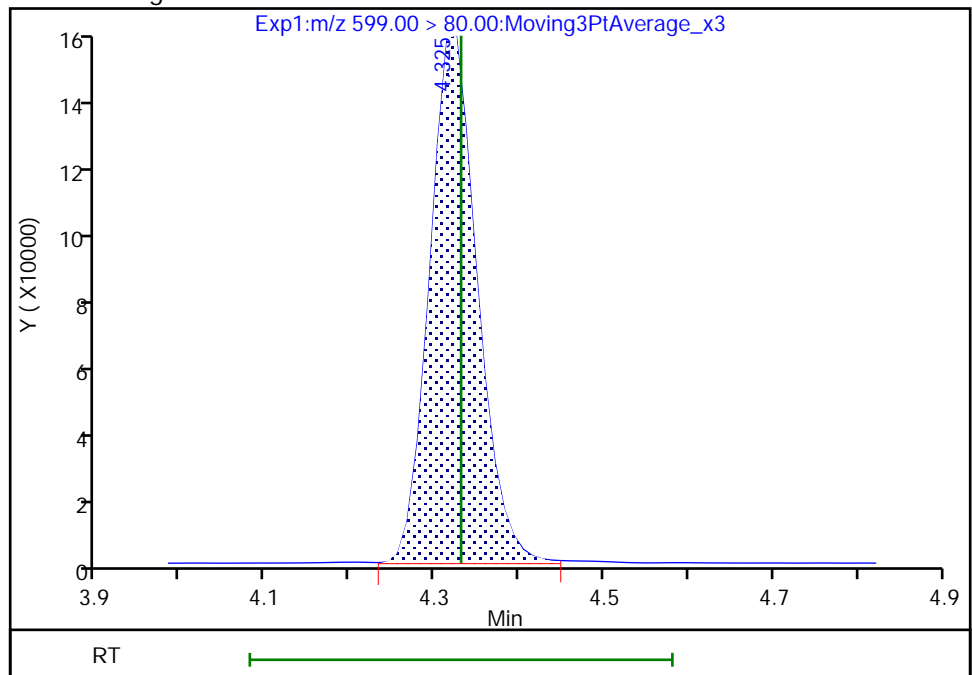
RT: 4.33
Area: 626083
Amount: 0.967671
Amount Units: ng/ml

Processing Integration Results



RT: 4.33
Area: 623736
Amount: 0.964043
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 09-Dec-2022 15:19:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

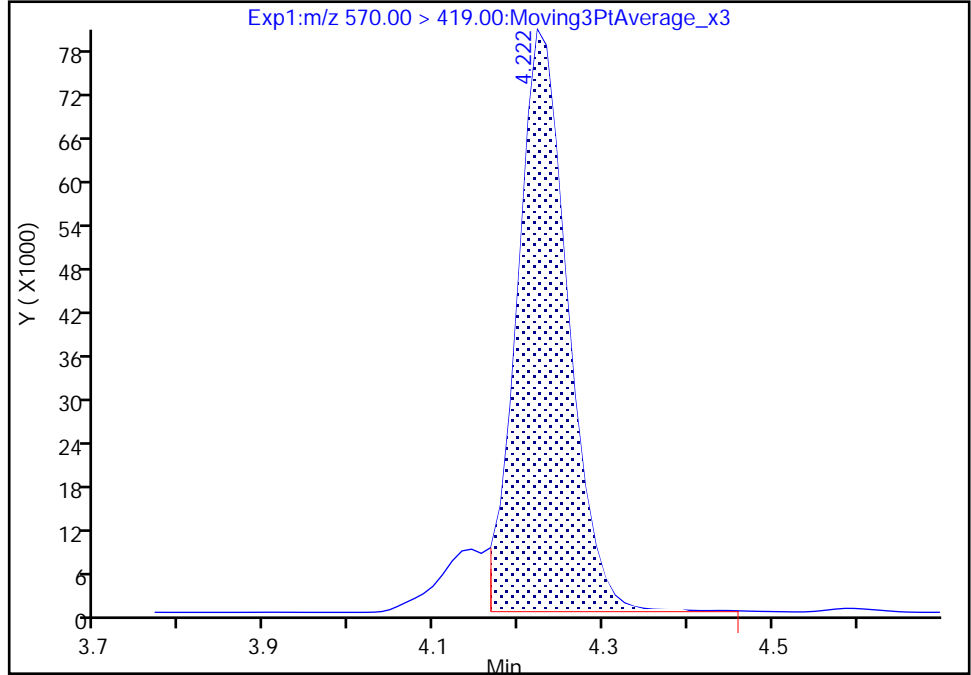
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A11.d
Injection Date: 08-Dec-2022 16:10:22 Instrument ID: LC812
Lims ID: 460-270311-A-2-C MSD
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

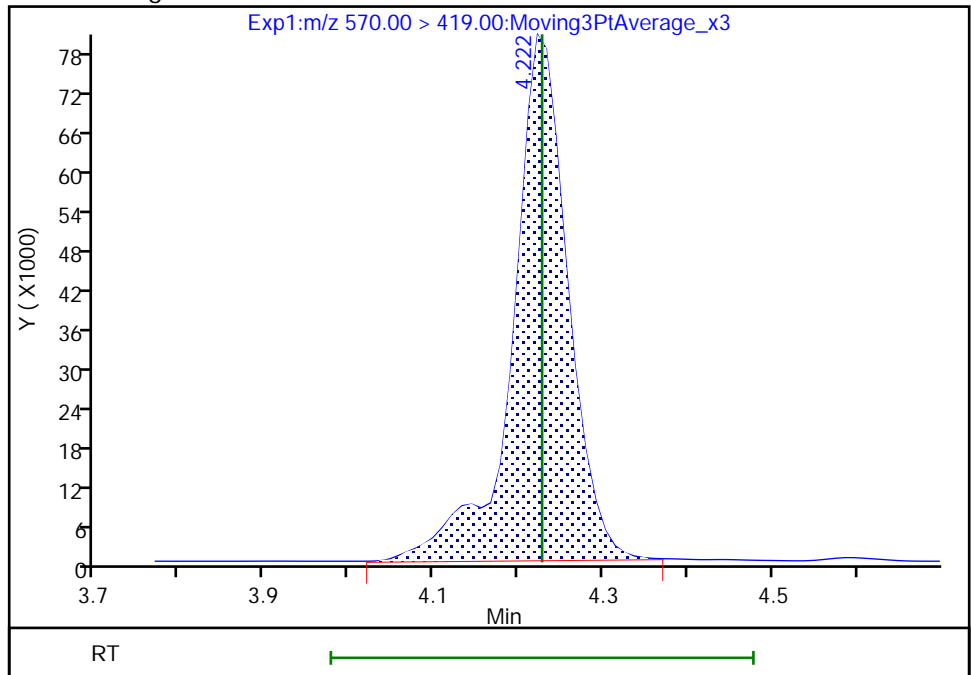
RT: 4.22
Area: 330713
Amount: 0.950547
Amount Units: ng/ml

Processing Integration Results



RT: 4.22
Area: 363300
Amount: 1.045356
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:19:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

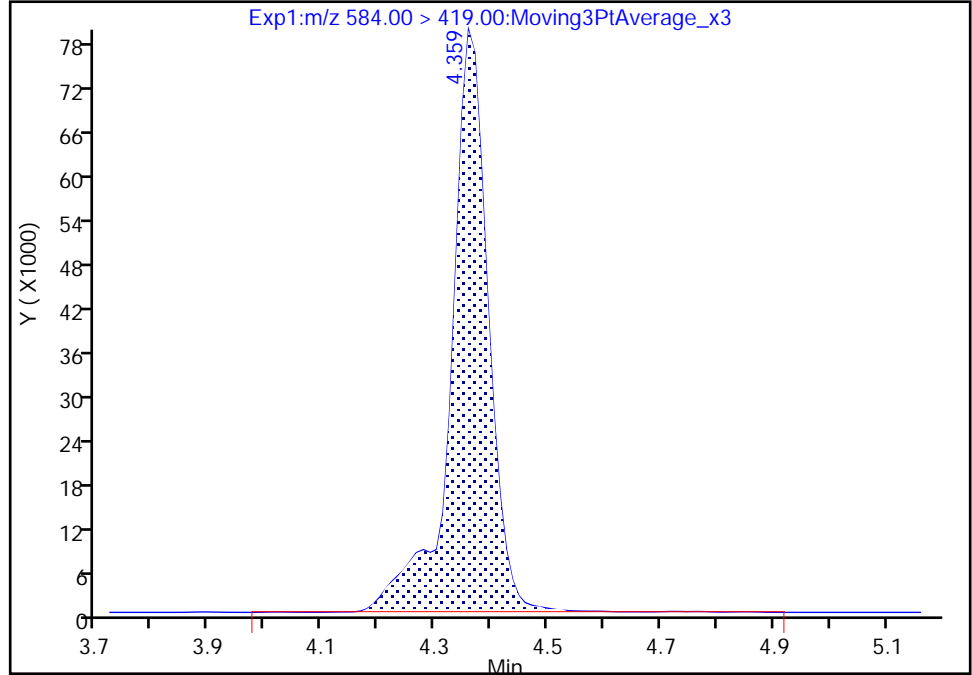
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A11.d
Injection Date: 08-Dec-2022 16:10:22 Instrument ID: LC812
Lims ID: 460-270311-A-2-C MSD
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

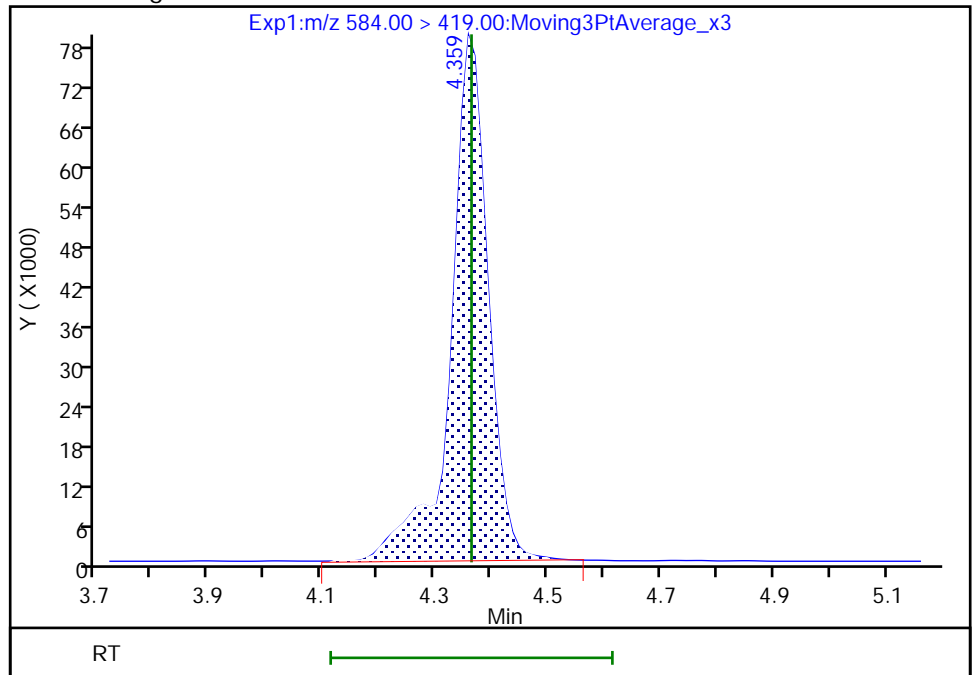
RT: 4.36
Area: 373117
Amount: 1.014447
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 370159
Amount: 1.006404
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:19:39
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

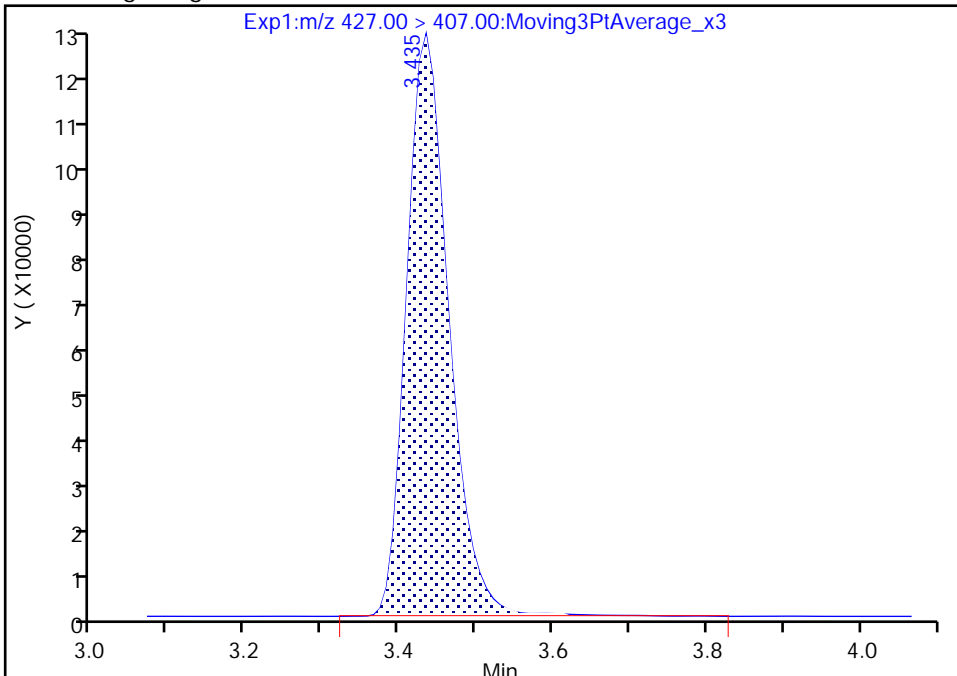
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A11.d
Injection Date: 08-Dec-2022 16:10:22 Instrument ID: LC812
Lims ID: 460-270311-A-2-C MSD
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

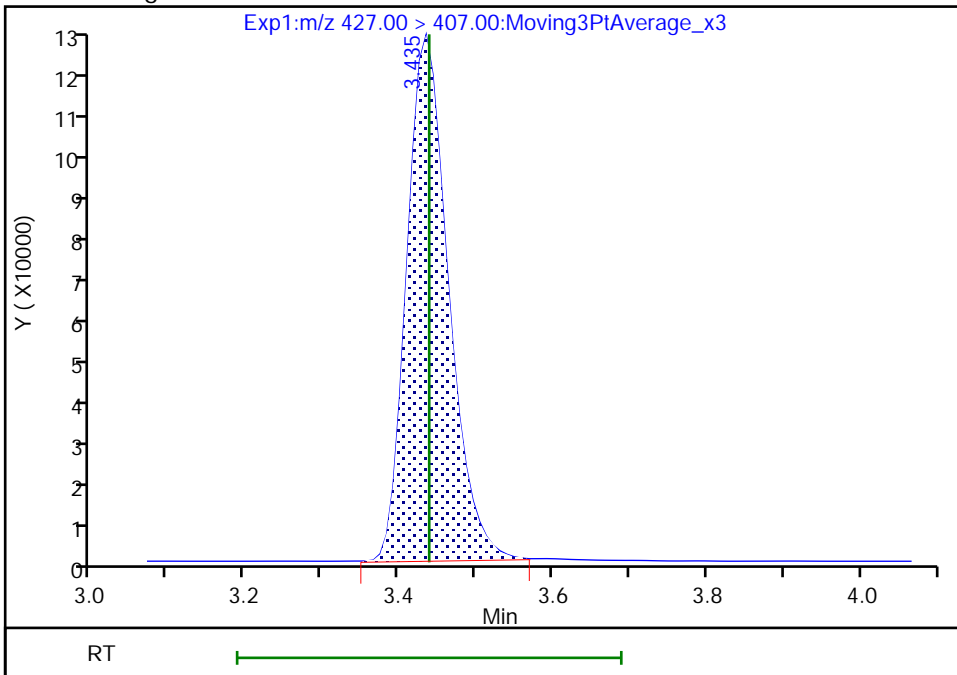
RT: 3.43
Area: 478596
Amount: 1.019424
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 473595
Amount: 1.008648
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:17:23
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

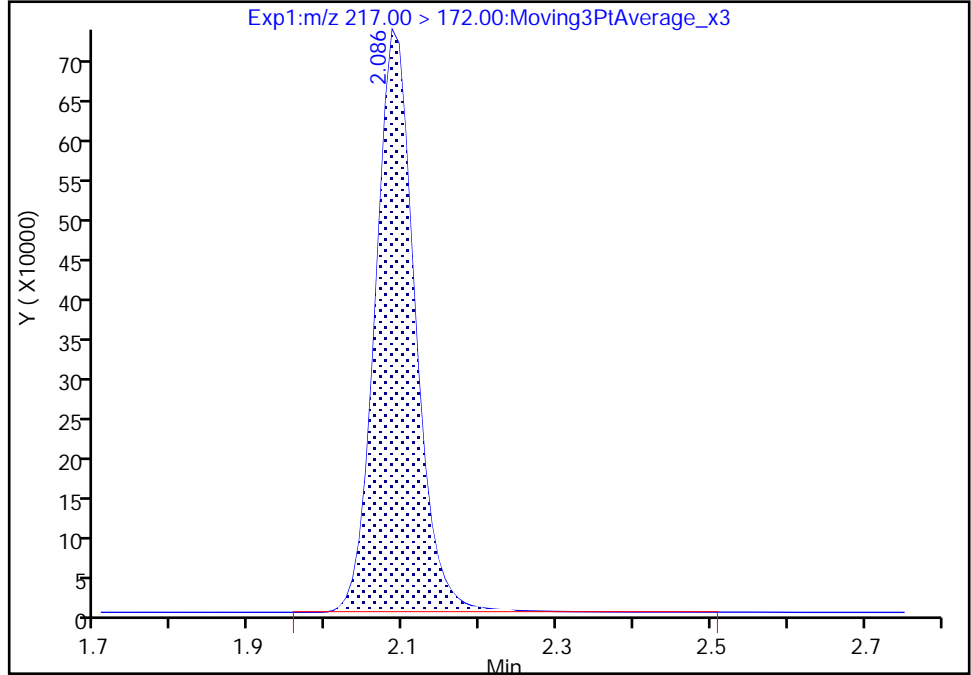
Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A11.d		
Injection Date:	08-Dec-2022 16:10:22	Instrument ID:	LC812
Lims ID:	460-270311-A-2-C MSD		
Client ID:	BCS-09-47_(8-8.5)P		
Operator ID:	lc812tech	ALS Bottle#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	11

D 1 13C4 PFBA, CAS: STL00992
Signal: 1

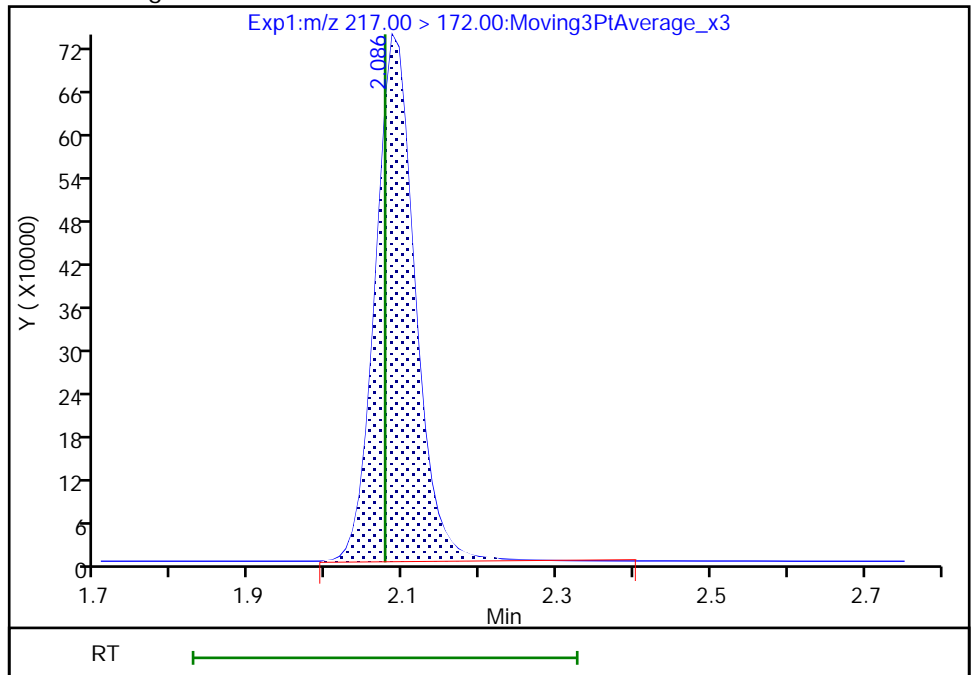
RT: 2.09
 Area: 2639696
 Amount: 1.109117
 Amount Units: ng/ml

Processing Integration Results



RT: 2.09
 Area: 2635793
 Amount: 1.107477
 Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:14:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

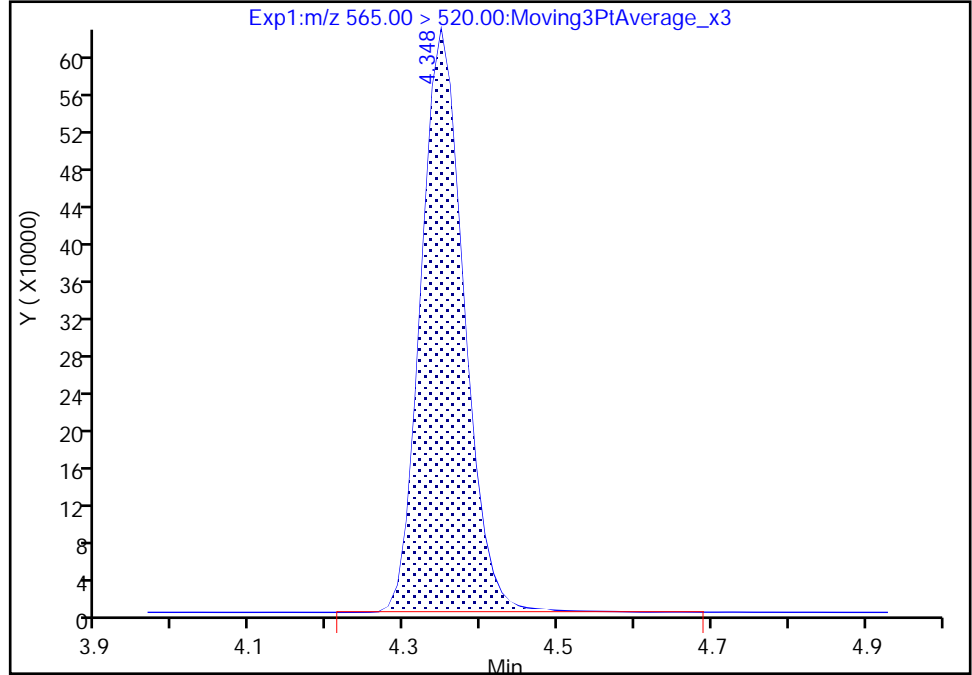
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A11.d
Injection Date: 08-Dec-2022 16:10:22 Instrument ID: LC812
Lims ID: 460-270311-A-2-C MSD
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997
Signal: 1

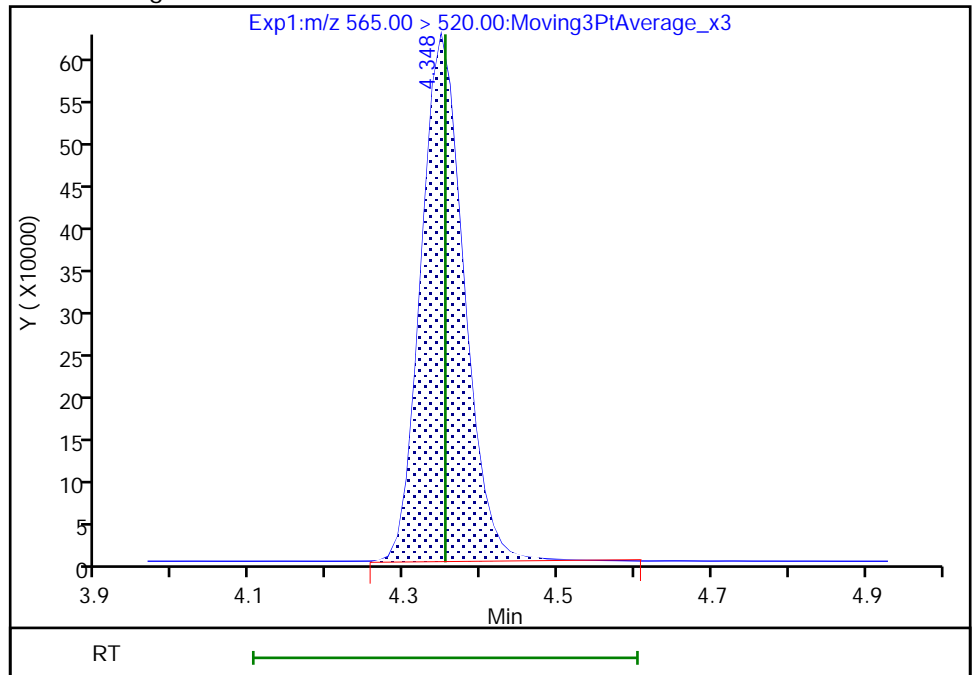
RT: 4.35
Area: 2420443
Amount: 1.215461
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 2416448
Amount: 1.213455
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:15:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

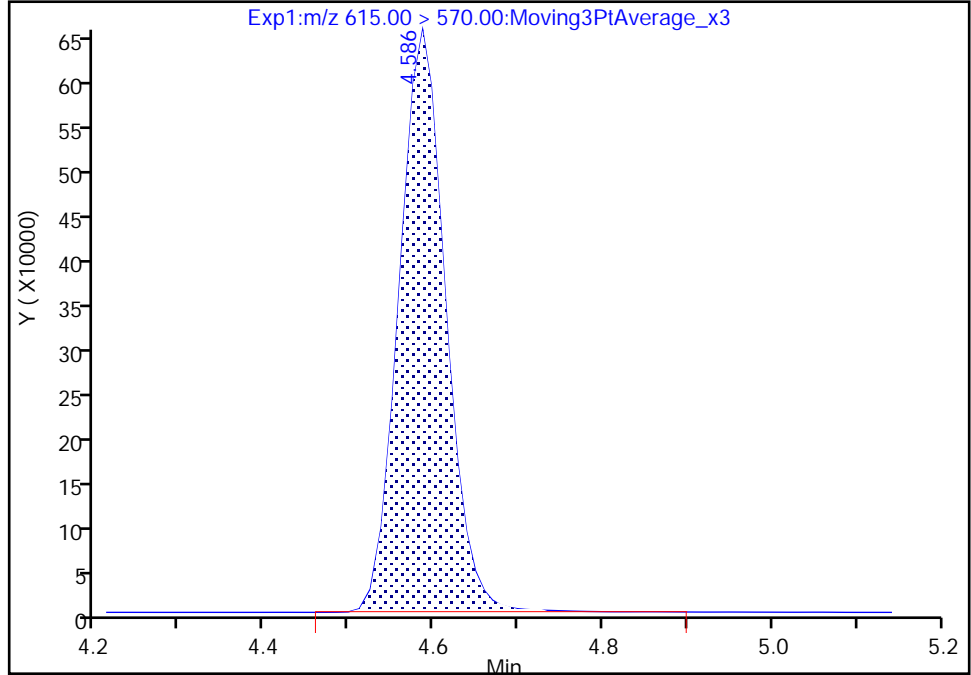
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A11.d
Injection Date: 08-Dec-2022 16:10:22 Instrument ID: LC812
Lims ID: 460-270311-A-2-C MSD
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 36 13C2 PFD_oA, CAS: STL00998
Signal: 1

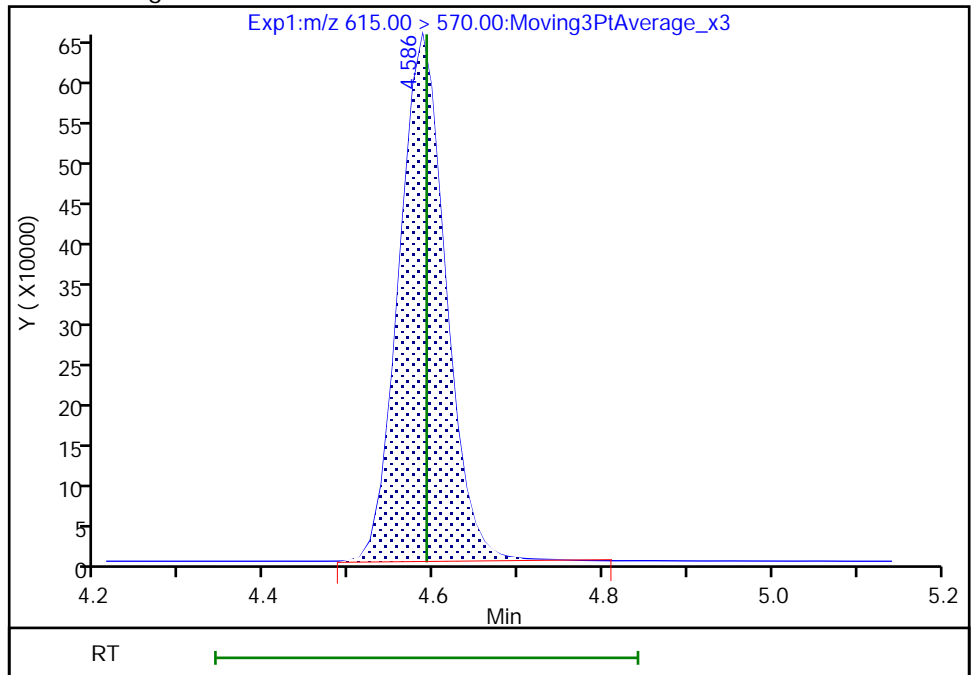
RT: 4.59
Area: 2499341
Amount: 1.231889
Amount Units: ng/ml

Processing Integration Results



RT: 4.59
Area: 2493706
Amount: 1.229112
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:15:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

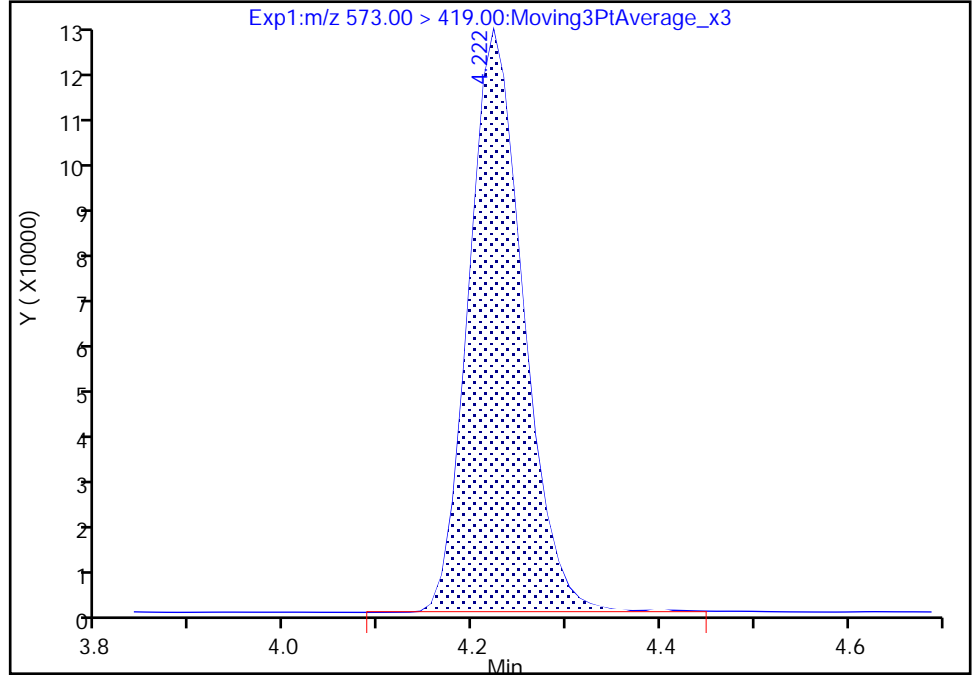
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A11.d
Injection Date: 08-Dec-2022 16:10:22 Instrument ID: LC812
Lims ID: 460-270311-A-2-C MSD
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118
Signal: 1

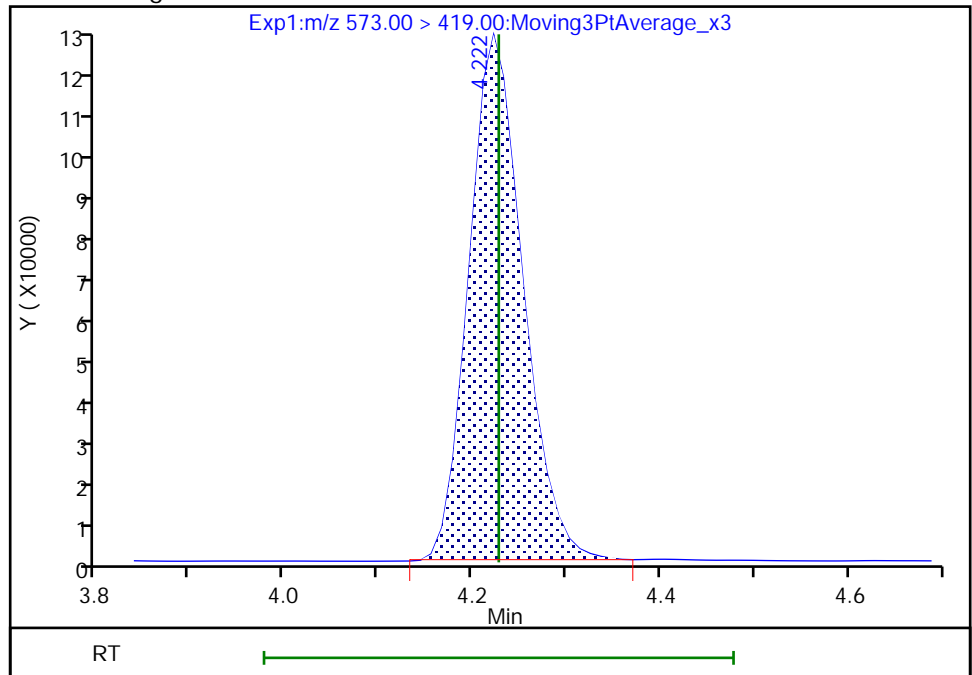
RT: 4.22
Area: 501582
Amount: 1.132771
Amount Units: ng/ml

Processing Integration Results



RT: 4.22
Area: 499443
Amount: 1.127941
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:15:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

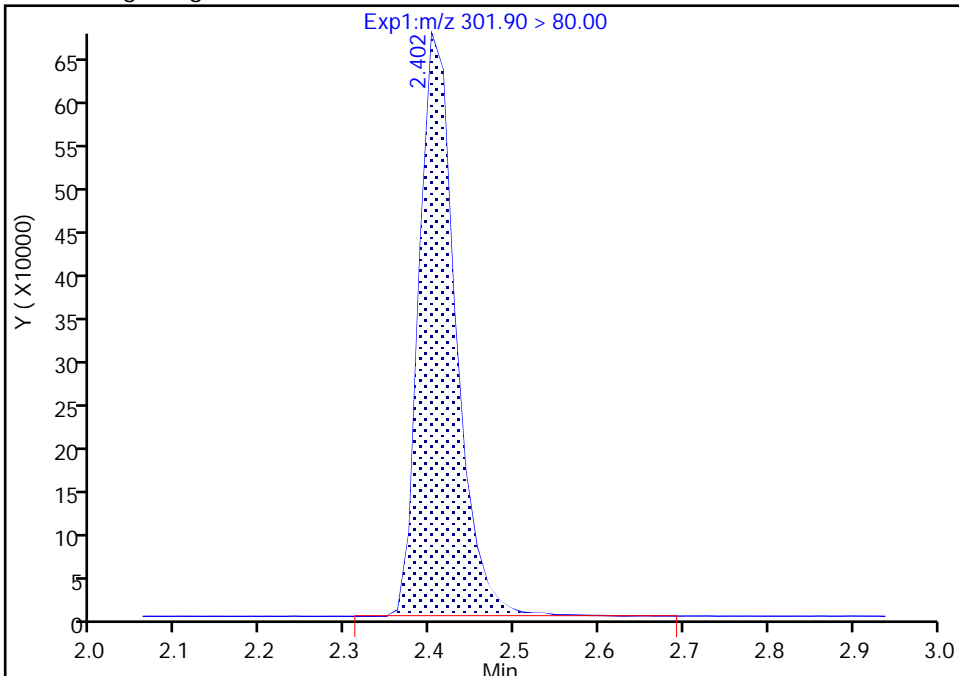
Data File: \\chromfs\Burlington\ChromData\LC812\20221208-53607.b\PA221208A11.d
Injection Date: 08-Dec-2022 16:10:22 Instrument ID: LC812
Lims ID: 460-270311-A-2-C MSD
Client ID: BCS-09-47_(8-8.5)P
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

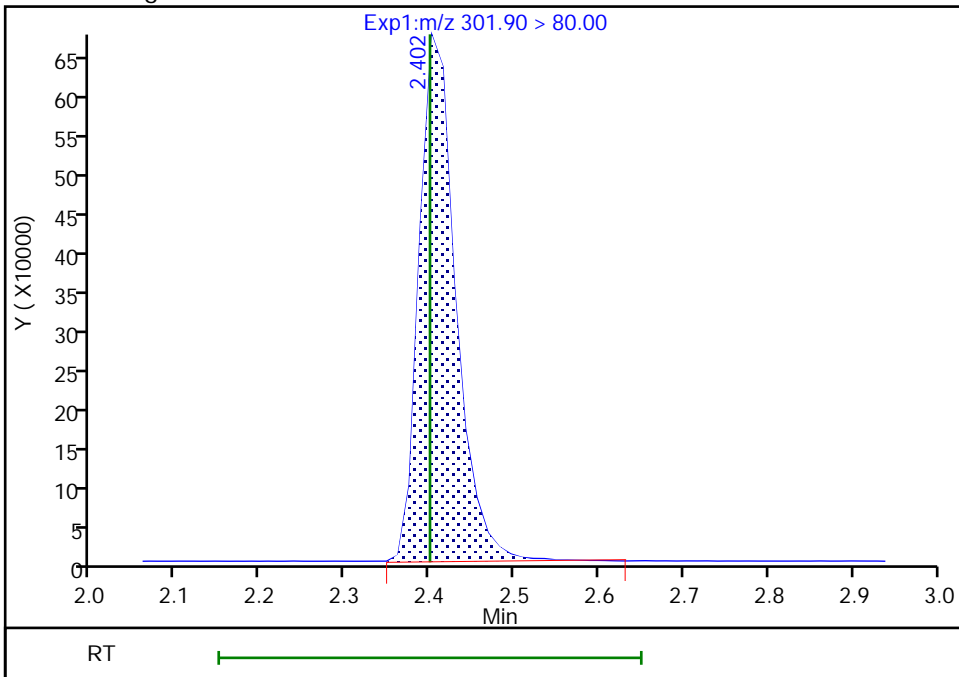
RT: 2.40
Area: 2027742
Amount: 1.029673
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 2025043
Amount: 1.028303
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 09-Dec-2022 15:14:58
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Burlington Job No.: 460-270515-1

SDG No.: _____

Instrument ID: LC812 Start Date: 11/18/2022 13:57

Analysis Batch Number: 185958 End Date: 11/18/2022 15:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		11/18/2022 13:57	1		C-18 4.6 (mm)
ZZZZZ		11/18/2022 14:05	1		C-18 4.6 (mm)
ZZZZZ		11/18/2022 14:13	1		C-18 4.6 (mm)
ZZZZZ		11/18/2022 14:21	1		C-18 4.6 (mm)
IC 200-185958/5		11/18/2022 14:29	1	PA221118ICAL05.d	C-18 4.6 (mm)
IC 200-185958/6		11/18/2022 14:38	1	PA221118ICAL06.d	C-18 4.6 (mm)
IC 200-185958/7		11/18/2022 14:46	1	PA221118ICAL07.d	C-18 4.6 (mm)
ICISAV 200-185958/8		11/18/2022 14:54	1	PA221118ICAL08.d	C-18 4.6 (mm)
IC 200-185958/9		11/18/2022 15:02	1	PA221118ICAL09.d	C-18 4.6 (mm)
IC 200-185958/10		11/18/2022 15:10	1	PA221118ICAL10.d	C-18 4.6 (mm)
ICB 200-185958/11		11/18/2022 15:18	1	PA221118ICAL11.d	C-18 4.6 (mm)
ICV 200-185958/12		11/18/2022 15:27	1	PA221118ICAL12.d	C-18 4.6 (mm)
ZZZZZ		11/18/2022 15:35	1		C-18 4.6 (mm)

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Burlington Job No.: 460-270515-1

SDG No.: _____

Instrument ID: LC812 Start Date: 12/08/2022 14:48

Analysis Batch Number: 186513 End Date: 12/08/2022 18:45

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/08/2022 14:48	1		C-18 4.6 (mm)
ZZZZZ		12/08/2022 14:56	1		C-18 4.6 (mm)
ZZZZZ		12/08/2022 15:04	1		C-18 4.6 (mm)
CCB 200-186513/4		12/08/2022 15:13	1	PA221208A04.d	C-18 4.6 (mm)
CCVLIS 200-186513/5		12/08/2022 15:21	1	PA221208A05.d	C-18 4.6 (mm)
MB 200-186445/1-A		12/08/2022 15:29	1	PA221208A06.d	C-18 4.6 (mm)
LCS 200-186445/2-A		12/08/2022 15:37	1	PA221208A07.d	C-18 4.6 (mm)
ZZZZZ		12/08/2022 15:45	1		C-18 4.6 (mm)
ZZZZZ		12/08/2022 15:54	1		C-18 4.6 (mm)
460-270311-A-2-B MS		12/08/2022 16:02	1	PA221208A10.d	C-18 4.6 (mm)
460-270311-A-2-C MSD		12/08/2022 16:10	1	PA221208A11.d	C-18 4.6 (mm)
ZZZZZ		12/08/2022 16:18	1		C-18 4.6 (mm)
ZZZZZ		12/08/2022 16:26	1		C-18 4.6 (mm)
ZZZZZ		12/08/2022 16:34	1		C-18 4.6 (mm)
ZZZZZ		12/08/2022 16:43	1		C-18 4.6 (mm)
ZZZZZ		12/08/2022 16:51	1		C-18 4.6 (mm)
ZZZZZ		12/08/2022 16:59	1		C-18 4.6 (mm)
ZZZZZ		12/08/2022 17:07	1		C-18 4.6 (mm)
CCV 200-186513/19		12/08/2022 17:15	1	PA221208A19.d	C-18 4.6 (mm)
ZZZZZ		12/08/2022 17:23	1		C-18 4.6 (mm)
ZZZZZ		12/08/2022 17:32	1		C-18 4.6 (mm)
ZZZZZ		12/08/2022 17:40	1		C-18 4.6 (mm)
ZZZZZ		12/08/2022 17:48	1		C-18 4.6 (mm)
460-270515-1	BCS-09-11_(5-5.5)P	12/08/2022 17:56	1	PA221208A24.d	C-18 4.6 (mm)
460-270515-2	BCS-09-12_(5-5.5)P	12/08/2022 18:04	1	PA221208A25.d	C-18 4.6 (mm)
460-270515-3	BCS-09-13_(5-5.5)P	12/08/2022 18:13	1	PA221208A26.d	C-18 4.6 (mm)
460-270515-4	BCS-09-14_(5-5.5)P	12/08/2022 18:21	1	PA221208A27.d	C-18 4.6 (mm)
460-270515-5	BCS-09-15_(5-5.5)P	12/08/2022 18:29	1	PA221208A28.d	C-18 4.6 (mm)
460-270515-6	BCS-09-16_(5-5.5)P	12/08/2022 18:37	1	PA221208A29.d	C-18 4.6 (mm)
CCV 200-186513/30		12/08/2022 18:45	1	PA221208A30.d	C-18 4.6 (mm)

PFAS BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-270515-1

SDG No.: _____

Batch Number: 185958 Batch Start Date: 11/18/22 13:57 Batch Analyst: Dean, Nathan

Batch Method: 537 (modified) Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	LCPFAS28NCICV 00012	PFAS32NCBLK20 00023	PFAS32NCIC1 00014	PFAS32NCIC2 00013	PFAS32NCIC3 00015
IC 200-185958/5		537 (modified)		1 mL			100 uL		
IC 200-185958/6		537 (modified)		1 mL				100 uL	
IC 200-185958/7		537 (modified)		1 mL					100 uL
ICISAV 200-185958/8		537 (modified)		1 mL					
IC 200-185958/9		537 (modified)		1 mL					
IC 200-185958/10		537 (modified)		1 mL					
ICB 200-185958/11		537 (modified)		1 mL		100 uL			
ICV 200-185958/12		537 (modified)		1 mL	100 uL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	PFAS32NCIC4 00036	PFAS32NCIC5 00030	PFAS32NCIC6 00013			
IC 200-185958/5		537 (modified)							
IC 200-185958/6		537 (modified)							
IC 200-185958/7		537 (modified)							
ICISAV 200-185958/8		537 (modified)		100 uL					
IC 200-185958/9		537 (modified)			100 uL				
IC 200-185958/10		537 (modified)				100 uL			
ICB 200-185958/11		537 (modified)							
ICV 200-185958/12		537 (modified)							

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

537 (modified)

PFAS BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-270515-1

SDG No.: _____

Batch Number: 185958 Batch Start Date: 11/18/22 13:57 Batch Analyst: Dean, Nathan

Batch Method: 537 (modified) Batch End Date: _____

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

537 (modified)

PFAS BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-270515-1

SDG No.: _____

Batch Number: 186445 Batch Start Date: 12/07/22 08:59 Batch Analyst: Wisniewski, Kurtis F

Batch Method: SHAKE Batch End Date: 12/08/22 13:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	LCPFC32MTXStk 00048	LCPFIDA21_spk 00008	PFAS21 IS Stk 00048	
MB 200-186445/1		SHAKE, 537 (modified)		5.00 g	10 mL		100 uL	100 uL	
LCS 200-186445/2		SHAKE, 537 (modified)		5.00 g	10 mL	25 uL	100 uL	100 uL	
460-270311-A-2 MS		SHAKE, 537 (modified)	T	5.08 g	10 mL	25 uL	100 uL	100 uL	
460-270311-A-2 MSD		SHAKE, 537 (modified)	T	5.04 g	10 mL	25 uL	100 uL	100 uL	
460-270515-A-1	BCS-09-11_(5-5.5))P	SHAKE, 537 (modified)	T	5.26 g	10 mL		100 uL	100 uL	
460-270515-A-2	BCS-09-12_(5-5.5))P	SHAKE, 537 (modified)	T	5.11 g	10 mL		100 uL	100 uL	
460-270515-A-3	BCS-09-13_(5-5.5))P	SHAKE, 537 (modified)	T	5.24 g	10 mL		100 uL	100 uL	
460-270515-A-4	BCS-09-14_(5-5.5))P	SHAKE, 537 (modified)	T	5.04 g	10 mL		100 uL	100 uL	
460-270515-A-5	BCS-09-15_(5-5.5))P	SHAKE, 537 (modified)	T	5.23 g	10 mL		100 uL	100 uL	
460-270515-A-6	BCS-09-16_(5-5.5))P	SHAKE, 537 (modified)	T	5.06 g	10 mL		100 uL	100 uL	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

537 (modified)

PFAS BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-270515-1

SDG No.: _____

Batch Number: 186445 Batch Start Date: 12/07/22 08:59

Batch Analyst: Wisniewski, Kurtis F

Batch Method: SHAKE Batch End Date: 12/08/22 13:00

Batch Notes	
Balance ID	M02926
Blank Sand Lot #	1535274
Millipore Water Dispense Date	11/29/2022
Analyst ID - Reagent Drop Witness	NDD
SPE Cartridge Lot ID	Sorbent Lot:X0818-PWAX/1256 Prod Lot: E02139-3
SPE Cartridge Type	Phenomenex Strata PFAS (WAX/GCB), 500mg/ 6 mL
Hexane ID	30% Methanol/DI Water:1669378
Methanol ID	Lot:221080 TALS ID:1668571
Ammonium Hydroxide/MeOH ID	1677154
Sodium Hydroxide ID	1673391
Methanolic Potassium Hydroxide ID	1668906
Manifold ID	IDA 1, IDA 2
Acetic Acid ID	1453517
pH Indicator ID	234921U
Pipette/Syringe/Dispenser ID	QH77727
Analyst ID - IS Reagent Drop	KFW
Analyst ID - IS Reagent Drop Witness	NDD
Internal Standard ID	1677806
Analyst ID - Aliquot Step	KFW
Analyst ID - Final Volume Step	KFW
Sonication Start Time	12/07/2022 09:45
Sonication Stop Time	12/07/2022 12:45
Centrifuge Tube ID	430791
QC Bottle Lot ID	0317201H
Batch Comment	IDA:E MTX:E IS:E

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins Burlington

Job Number: 460-270515-1

SDG No.: _____

Project: Inwood - Lot 9

Client Sample ID	Lab Sample ID
BCS-09-11 (5-5.5) P	460-270515-1
BCS-09-12 (5-5.5) P	460-270515-2
BCS-09-13 (5-5.5) P	460-270515-3
BCS-09-14 (5-5.5) P	460-270515-4
BCS-09-15 (5-5.5) P	460-270515-5
BCS-09-16 (5-5.5) P	460-270515-6

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Burlington

Job Number: 460-270515-1

SDG Number: _____

Matrix: Solid

Instrument ID: NOEQUIP

Method: Moisture

RL Date: 04/01/2009 07:55

Analyte	Wavelength/ Mass	RL (%)	
Percent Solids		0.1	

General Chemistry Raw Data Report

Job ID: 460-270515-1

Batch: 186344
Method: Moisture

Analyst Initials: RWM
Instrument: No Equipment

Lab Sample ID: 460-270515-A-1

Analysis Date: Dec 05, 2022 15:59

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	74.2666666666667	%

Lab Sample ID: 460-270515-A-2

Analysis Date: Dec 05, 2022 15:59

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	81.7116060961313	%

Lab Sample ID: 460-270515-A-3

Analysis Date: Dec 05, 2022 15:59

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	81.5977175463623	%

Lab Sample ID: 460-270515-A-4

Analysis Date: Dec 05, 2022 15:59

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	85.133418043202	%

Lab Sample ID: 460-270515-A-5

Analysis Date: Dec 05, 2022 15:59

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	90.1140684410646	%

Lab Sample ID: 460-270515-A-6

Analysis Date: Dec 05, 2022 15:59

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	81.551116333725	%

Lab Sample ID: 460-270515-A-6 DU

Analysis Date: Dec 05, 2022 15:59

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	81.6524908869988	%

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-270515-1

SDG No.: _____

Batch Number: 186344 Batch Start Date: 12/05/22 15:59 Batch Analyst: McNabb, Robert W

Batch Method: Moisture Batch End Date: 12/06/22 10:07

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry	%_Moisture	%_Solid	
460-270515-A-1	BCS-09-11_(5-5.5))P	Moisture	T	0.97 g	8.47 g	6.54 g	25.733333333333 3 %	74.266666666666 7 %	
460-270515-A-2	BCS-09-12_(5-5.5))P	Moisture	T	1.00 g	9.53 g	7.97 g	18.288393903868 7 %	81.711606096131 3 %	
460-270515-A-3	BCS-09-13_(5-5.5))P	Moisture	T	1.01 g	8.02 g	6.73 g	18.402282453637 7 %	81.597717546362 3 %	
460-270515-A-4	BCS-09-14_(5-5.5))P	Moisture	T	0.99 g	8.86 g	7.69 g	14.866581956798 %	85.133418043202 %	
460-270515-A-5	BCS-09-15_(5-5.5))P	Moisture	T	0.97 g	8.86 g	8.08 g	9.8859315589354 %	90.114068441064 6 %	
460-270515-A-6	BCS-09-16_(5-5.5))P	Moisture	T	1.01 g	9.52 g	7.95 g	18.448883666275 %	81.551116333725 %	
460-270515-A-6 DU	BCS-09-16_(5-5.5))P	Moisture	T	0.99 g	9.22 g	7.71 g	18.347509113001 2 %	81.652490886998 8 %	

Batch Notes	
Balance ID	L92017
Oven ID	WC OVEN #2
Thermometer ID	328 (CF=0)
Date samples were placed in the oven	12/05/2022
Time samples were place in the oven	15:59
Temperature - Start - Uncorrected	109 Degrees C
Oven Temp In	109 Degrees C
Date samples were removed from oven	12/06/2022
Time Samples were removed from oven	08:52
Temperature - End - Uncorrected	109 Degrees C
Oven Temp Out	109 Degrees C
Date and Time Samples in Desiccator	12/06/2022 09:52
Date and Time Samples out of Desiccator	12/06/2022 10:07

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Moisture

Subcontract Data

Shipping and Receiving Documents

NYCNYC
DO
VOLUME 55-1000

Address:

Client Contact
 Company Name: Roux Associates
 Address: 209 S. 4th St
 City/State/Zip: Islip, NY 11749
 Phone: _____
 Fax: _____
 Project Name: Forward Lot 9
 Site: _____
 P O #: 2472-0084002

Regulatory Program: DW NPDES RCRA Other: _____
 Project Manager: Valerie S. Torres
 Tel/Email: vs-torres@roux.com

Site Contact: J. Rush Date: 12/1/22
 Lab Contact: M. Huns Carrier: _____

Sampler: J. Rush
 For Lab Use Only: _____
 Walk-in Client: _____
 Lab Sampling: _____
 Job / SDG No.: 270515

SUB WORK

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Sample Specific Notes:
<u>BCS-09-11-(S-S.S)P</u>	<u>12/1</u>	<u>1226</u>	<u>G</u>	<u>So</u>	<u>1</u>			<u>1</u>
<u>BCS-09-12-(S-S.S)P</u>	<u>12/1</u>	<u>1211</u>	<u>G</u>	<u>So</u>	<u>1</u>			<u>2</u>
<u>BCS-09-13-(S-S.S)P</u>	<u>12/1</u>	<u>1201</u>	<u>G</u>	<u>So</u>	<u>1</u>			<u>3</u>
<u>BCS-09-14-(S-S.S)P</u>	<u>12/1</u>	<u>1221</u>	<u>G</u>	<u>So</u>	<u>1</u>			<u>4</u>
<u>BCS-09-15-(S-S.S)P</u>	<u>12/1</u>	<u>1216</u>	<u>G</u>	<u>So</u>	<u>1</u>			<u>5</u>
<u>BCS-09-16-(S-S.S)P</u>	<u>12/1</u>	<u>1221</u>	<u>G</u>	<u>So</u>	<u>1</u>			<u>6</u>



Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification: _____
 Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Non-Hazard Flammable Skin Irritant Poison B Unknown

Return to Client Disposal by Lab Archive for _____ Months

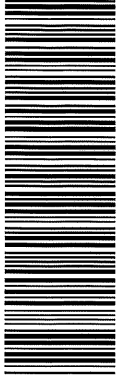
Special Instructions/QC Requirements & Comments: _____

Custody Seal No.: _____
 Relinquished by: [Signature] Date/Time: 12/1/22 14:30
 Relinquished by: [Signature] Date/Time: 12/22 17:00
 Relinquished by: [Signature] Date/Time: 12/1/22 18:00

Received by: [Signature] Date/Time: 12/1/22 14:30
 Received by: [Signature] Date/Time: 12/22 17:00
 Received in Laboratory by: [Signature] Date/Time: 12/1/22 18:00

Company: Roux
 Company: [Signature]
 Company: BETA

Therm ID No.: _____
 Cooler Temp. (°C): Obs'd: _____



460-270515 Chain of Custody

Client Information (Sub Contract Lab)		Sampler Lab PM Haas, Melissa	
Client Contact: Shipping/Receiving		E-Mail Melissa.Haas@et.eurofins.com	
Company TestAmerica Laboratories, Inc.		State of Origin New York	
Address: 530 Community Drive, Suite 11,		Job #: 460-270515-1	
City: South Burlington		Preservation Codes: A - HCL M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 X - Trizma Y - EDTA Z - other (specify) Other:	
State, Zip VT, 05403		Analysis Requested	
Phone 802-660-1990(Tel) 802-660-1919(Fax)		Total Number of Containers	
E-mail			
Project Name Inwood - Lot 9			
Site			
Due Date Requested: 12/13/2022			
TAT Requested (days):			
PO #			
WO #			
Project #: 46026799			
SSOW#			
Sample Identification - Client ID (Lab ID)		Special Instructions/Note:	
Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)
12/1/22	12:26 Eastern	Solid	Solid
12/1/22	12:11 Eastern	Solid	Solid
12/1/22	12:01 Eastern	Solid	Solid
12/1/22	12:21 Eastern	Solid	Solid
12/1/22	12:16 Eastern	Solid	Solid
12/1/22	12:31 Eastern	Solid	Solid
BCS-09-11_(5-5 5)P (460-270515-1)		Field Filtered Sample (Yes or No)	
BCS-09-12_(5-5 5)P (460-270515-2)		Perform MS/MSD (Yes or No)	
BCS-09-13_(5-5 5)P (460-270515-3)		PFC (DA/Shake Bath, 14D PFAS, standard List (21	
BCS-09-14_(5-5 5)P (460-270515-4)		Moisture	
BCS-09-15_(5-5 5)P (460-270515-5)			
BCS-09-16_(5-5 5)P (460-270515-6)			

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC

Possible Hazard Identification

Unconfirmed
Deliverable Requested: I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 1
Special Instructions/QC Requirements.

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months
 Method of Shipment: _____

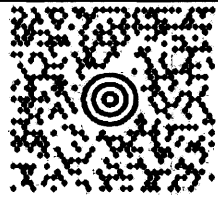
Relinquished by	Date/Time	Company
Relinquished by	Date/Time	Company
Relinquished by	Date/Time	Company
Custody Seals Intact Δ Yes Δ No	Custody Seal No:	

KENNETH RIVERA
9083615236
EUROFINS EDISON
777 NEW DURHAM ROAD
EDISON NJ 08817

39 LBS

1 OF 1

SHIP TO:
SAMPLE RECEIVING
8026551203
EUROFINS BURLINGTON
530 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403

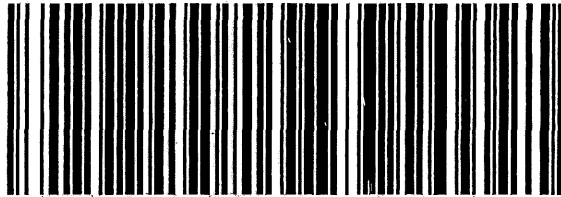


VT 054 0-02



UPS NEXT DAY AIR EARLY 1+S

TRACKING #: 1Z 73R 91R 41 9116 9655



BILLING: P/P



XOL 22-11 37

NV45 49.0A 11/2022*

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-270515-1

Login Number: 270515
List Number: 1
Creator: Thundathorn, Sukanan 1

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-270515-1

Login Number: 270515
List Number: 2
Creator: Reynolds, Jamie K

List Source: Eurofins Burlington
List Creation: 12/03/22 11:27 AM

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	1861410
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.0°C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.