

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

Attn: Jessica Taylor
Roux Environmental Eng & Geology DPC
209 Shafter St
Islandia NY 11749

Generated 12/5/2022 4:37 PM

JOB DESCRIPTION

Inwood - Lot 9

JOB NUMBER

460-270065-1

Eurofins Edison

Job Notes

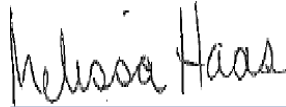
The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing Northeast, LLC Edison and its client. All questions regarding this report should be directed to the Eurofins Environment Testing Northeast, LLC Edison Project Manager or designee who has signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization



Generated
12/5/2022 4:37 PM

Authorized for release by
Melissa Haas, Senior Project Manager
Melissa.Haas@et.eurofinsus.com
203 308-0880

Table of Contents

Cover Title Page	1
Data Summaries	5
Report Narrative	5
Sample Summary	6
Detection Summary	7
Method Summary	8
Client Sample Results	9
Isotope Dilution Summary	11
QC Sample Results	12
Definitions	17
QC Association	18
Chronicle	19
Certification Summary	20
Organic Sample Data	21
LCMS	21
Method PFC IDA	21
Method PFC IDA QC Summary	22
Method PFC IDA Sample Data	34
Standards Data	112
Method PFC IDA ICAL Data	112
Method PFC IDA CCAL Data	444
Raw QC Data	660
Method PFC IDA Blank Data	660
Method PFC IDA LCS/LCSD Data	781
Method PFC IDA MS/MSD Data	822
Method PFC IDA Run Logs	917

Table of Contents

Method PFC IDA Prep Data	919
Inorganic Sample Data	923
General Chemistry Data	923
Gen Chem Cover Page	924
Gen Chem MDL	925
Gen Chem Analysis Run Log	926
Gen Chem Raw Data	929
Gen Chem Prep Data	930
Subcontracted Data	931
Shipping and Receiving Documents	932
Client Chain of Custody	933
Sample Receipt Checklist	938

CASE NARRATIVE

Client: Roux Environmental Eng & Geology DPC

Project: Inwood - Lot 9

Report Number: 460-270065-1

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 11/21/2022; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.8 C.

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-09-18_(11-11.5)P (460-270065-1) and BCS-09-19_(11-11.5)P (460-270065-2) were analyzed for Per- and Polyfluoroalkyl Substances (PFAS) in accordance with PFC-IDA - 537 (modified). The samples were prepared on 12/01/2022 and analyzed on 12/02/2022.

No difficulties were encountered during the PFAS analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples BCS-09-18_(11-11.5)P (460-270065-1) and BCS-09-19_(11-11.5)P (460-270065-2) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 11/30/2022.

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: 460-270065-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-270065-1	BCS-09-18_(11-11.5)P	Solid	11/21/22 14:15	11/21/22 18:30
460-270065-2	BCS-09-19_(11-11.5)P	Solid	11/21/22 14:25	11/21/22 18:30

Detection Summary

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

Job ID: 460-270065-1

Client Sample ID: BCS-09-18_(11-11.5)P

Lab Sample ID: 460-270065-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.18	J	0.22	0.060	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.31		0.22	0.050	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.18	J	0.22	0.043	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.97		0.22	0.063	ug/Kg	1	☼	537 (modified)	Total/NA

Client Sample ID: BCS-09-19_(11-11.5)P

Lab Sample ID: 460-270065-2

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

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

Job ID: 460-270065-1

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: 460-270065-1

Client Sample ID: BCS-09-18_(11-11.5)P

Lab Sample ID: 460-270065-1

Date Collected: 11/21/22 14:15

Matrix: Solid

Date Received: 11/21/22 18:30

Percent Solids: 88.3

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.55	U	0.55	0.36	ug/Kg	☼	12/01/22 09:15	12/02/22 13:55	1
Perfluoropentanoic acid (PFPeA)	0.18	J	0.22	0.060	ug/Kg	☼	12/01/22 09:15	12/02/22 13:55	1
Perfluorohexanoic acid (PFHxA)	0.31		0.22	0.050	ug/Kg	☼	12/01/22 09:15	12/02/22 13:55	1
Perfluoroheptanoic acid (PFHpA)	0.18	J	0.22	0.043	ug/Kg	☼	12/01/22 09:15	12/02/22 13:55	1
Perfluorooctanoic acid (PFOA)	0.97		0.22	0.063	ug/Kg	☼	12/01/22 09:15	12/02/22 13:55	1
Perfluorononanoic acid (PFNA)	0.22	U	0.22	0.037	ug/Kg	☼	12/01/22 09:15	12/02/22 13:55	1
Perfluorodecanoic acid (PFDA)	0.22	U	0.22	0.031	ug/Kg	☼	12/01/22 09:15	12/02/22 13:55	1
Perfluoroundecanoic acid (PFUnA)	0.22	U	0.22	0.029	ug/Kg	☼	12/01/22 09:15	12/02/22 13:55	1
Perfluorododecanoic acid (PFDoA)	0.22	U	0.22	0.027	ug/Kg	☼	12/01/22 09:15	12/02/22 13:55	1
Perfluorotridecanoic acid (PFTriA)	0.22	U	0.22	0.027	ug/Kg	☼	12/01/22 09:15	12/02/22 13:55	1
Perfluorotetradecanoic acid (PFTeA)	0.22	U	0.22	0.028	ug/Kg	☼	12/01/22 09:15	12/02/22 13:55	1
Perfluorobutanesulfonic acid (PFBS)	0.22	U	0.22	0.036	ug/Kg	☼	12/01/22 09:15	12/02/22 13:55	1
Perfluorohexanesulfonic acid (PFHxS)	0.22	U	0.22	0.045	ug/Kg	☼	12/01/22 09:15	12/02/22 13:55	1
Perfluoroheptanesulfonic acid (PFHpS)	0.22	U	0.22	0.025	ug/Kg	☼	12/01/22 09:15	12/02/22 13:55	1
Perfluorooctanesulfonic acid (PFOS)	0.22	U	0.22	0.12	ug/Kg	☼	12/01/22 09:15	12/02/22 13:55	1
Perfluorodecanesulfonic acid (PFDS)	0.22	U	0.22	0.021	ug/Kg	☼	12/01/22 09:15	12/02/22 13:55	1
Perfluorooctanesulfonamide (FOSA)	0.22	U	0.22	0.037	ug/Kg	☼	12/01/22 09:15	12/02/22 13:55	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.19	U	2.19	0.12	ug/Kg	☼	12/01/22 09:15	12/02/22 13:55	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.19	U	2.19	0.091	ug/Kg	☼	12/01/22 09:15	12/02/22 13:55	1
6:2 FTS	2.19	U	2.19	0.062	ug/Kg	☼	12/01/22 09:15	12/02/22 13:55	1
8:2 FTS	2.19	U	2.19	0.040	ug/Kg	☼	12/01/22 09:15	12/02/22 13:55	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	100		50 - 150	12/01/22 09:15	12/02/22 13:55	1
13C4 PFHpA	96		50 - 150	12/01/22 09:15	12/02/22 13:55	1
13C4 PFOA	93		50 - 150	12/01/22 09:15	12/02/22 13:55	1
13C4 PFOS	96		50 - 150	12/01/22 09:15	12/02/22 13:55	1
13C5 PFNA	92		50 - 150	12/01/22 09:15	12/02/22 13:55	1
13C4 PFBA	96		50 - 150	12/01/22 09:15	12/02/22 13:55	1
13C2 PFHxA	101		50 - 150	12/01/22 09:15	12/02/22 13:55	1
13C2 PFDA	101		50 - 150	12/01/22 09:15	12/02/22 13:55	1
13C2 PFUnA	108		50 - 150	12/01/22 09:15	12/02/22 13:55	1
13C2 PFDoA	101		50 - 150	12/01/22 09:15	12/02/22 13:55	1
13C8 FOSA	89		50 - 150	12/01/22 09:15	12/02/22 13:55	1
13C5 PFPeA	96		50 - 150	12/01/22 09:15	12/02/22 13:55	1
13C2 PFTeDA	100		50 - 150	12/01/22 09:15	12/02/22 13:55	1
d3-NMeFOSAA	86		50 - 150	12/01/22 09:15	12/02/22 13:55	1
d5-NEtFOSAA	98		50 - 150	12/01/22 09:15	12/02/22 13:55	1
M2-6:2 FTS	102		50 - 150	12/01/22 09:15	12/02/22 13:55	1
M2-8:2 FTS	123		50 - 150	12/01/22 09:15	12/02/22 13:55	1
13C3 PFBS	94		50 - 150	12/01/22 09:15	12/02/22 13:55	1

Client Sample Results

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

Job ID: 460-270065-1

Client Sample ID: BCS-09-19_(11-11.5)P

Lab Sample ID: 460-270065-2

Date Collected: 11/21/22 14:25

Matrix: Solid

Date Received: 11/21/22 18:30

Percent Solids: 80.1

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	0.41	ug/Kg	☼	12/01/22 09:15	12/02/22 14:03	1
Perfluoropentanoic acid (PFPeA)	0.25	U	0.25	0.068	ug/Kg	☼	12/01/22 09:15	12/02/22 14:03	1
Perfluorohexanoic acid (PFHxA)	0.25	U	0.25	0.057	ug/Kg	☼	12/01/22 09:15	12/02/22 14:03	1
Perfluoroheptanoic acid (PFHpA)	0.25	U	0.25	0.048	ug/Kg	☼	12/01/22 09:15	12/02/22 14:03	1
Perfluorooctanoic acid (PFOA)	0.25	U	0.25	0.071	ug/Kg	☼	12/01/22 09:15	12/02/22 14:03	1
Perfluorononanoic acid (PFNA)	0.25	U	0.25	0.042	ug/Kg	☼	12/01/22 09:15	12/02/22 14:03	1
Perfluorodecanoic acid (PFDA)	0.25	U	0.25	0.034	ug/Kg	☼	12/01/22 09:15	12/02/22 14:03	1
Perfluoroundecanoic acid (PFUnA)	0.25	U	0.25	0.033	ug/Kg	☼	12/01/22 09:15	12/02/22 14:03	1
Perfluorododecanoic acid (PFDoA)	0.25	U	0.25	0.031	ug/Kg	☼	12/01/22 09:15	12/02/22 14:03	1
Perfluorotridecanoic acid (PFTriA)	0.25	U	0.25	0.031	ug/Kg	☼	12/01/22 09:15	12/02/22 14:03	1
Perfluorotetradecanoic acid (PFTeA)	0.25	U	0.25	0.032	ug/Kg	☼	12/01/22 09:15	12/02/22 14:03	1
Perfluorobutanesulfonic acid (PFBS)	0.25	U	0.25	0.041	ug/Kg	☼	12/01/22 09:15	12/02/22 14:03	1
Perfluorohexanesulfonic acid (PFHxS)	0.25	U	0.25	0.050	ug/Kg	☼	12/01/22 09:15	12/02/22 14:03	1
Perfluoroheptanesulfonic acid (PFHpS)	0.25	U	0.25	0.028	ug/Kg	☼	12/01/22 09:15	12/02/22 14:03	1
Perfluorooctanesulfonic acid (PFOS)	0.25	U	0.25	0.14	ug/Kg	☼	12/01/22 09:15	12/02/22 14:03	1
Perfluorodecanesulfonic acid (PFDS)	0.25	U	0.25	0.023	ug/Kg	☼	12/01/22 09:15	12/02/22 14:03	1
Perfluorooctanesulfonamide (FOSA)	0.25	U	0.25	0.042	ug/Kg	☼	12/01/22 09:15	12/02/22 14:03	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.46	U	2.46	0.14	ug/Kg	☼	12/01/22 09:15	12/02/22 14:03	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.46	U	2.46	0.10	ug/Kg	☼	12/01/22 09:15	12/02/22 14:03	1
6:2 FTS	2.46	U	2.46	0.070	ug/Kg	☼	12/01/22 09:15	12/02/22 14:03	1
8:2 FTS	2.46	U	2.46	0.045	ug/Kg	☼	12/01/22 09:15	12/02/22 14:03	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	93		50 - 150				12/01/22 09:15	12/02/22 14:03	1
13C4 PFHpA	87		50 - 150				12/01/22 09:15	12/02/22 14:03	1
13C4 PFOA	85		50 - 150				12/01/22 09:15	12/02/22 14:03	1
13C4 PFOS	94		50 - 150				12/01/22 09:15	12/02/22 14:03	1
13C5 PFNA	86		50 - 150				12/01/22 09:15	12/02/22 14:03	1
13C4 PFBA	86		50 - 150				12/01/22 09:15	12/02/22 14:03	1
13C2 PFHxA	91		50 - 150				12/01/22 09:15	12/02/22 14:03	1
13C2 PFDA	89		50 - 150				12/01/22 09:15	12/02/22 14:03	1
13C2 PFUnA	85		50 - 150				12/01/22 09:15	12/02/22 14:03	1
13C2 PFDoA	82		50 - 150				12/01/22 09:15	12/02/22 14:03	1
13C8 FOSA	82		50 - 150				12/01/22 09:15	12/02/22 14:03	1
13C5 PFPeA	87		50 - 150				12/01/22 09:15	12/02/22 14:03	1
13C2 PFTeDA	90		50 - 150				12/01/22 09:15	12/02/22 14:03	1
d3-NMeFOSAA	72		50 - 150				12/01/22 09:15	12/02/22 14:03	1
d5-NEtFOSAA	75		50 - 150				12/01/22 09:15	12/02/22 14:03	1
M2-6:2 FTS	90		50 - 150				12/01/22 09:15	12/02/22 14:03	1
M2-8:2 FTS	92		50 - 150				12/01/22 09:15	12/02/22 14:03	1
13C3 PFBS	88		50 - 150				12/01/22 09:15	12/02/22 14:03	1

Isotope Dilution Summary

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

Job ID: 460-270065-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Solid

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFHxS (50-150)	C4PFHA (50-150)	PFOA (50-150)	PFOS (50-150)	PFNA (50-150)	PFBA (50-150)	PFHxA (50-150)	PFDA (50-150)
460-270065-1	BCS-09-18_(11-11.5)P	100	96	93	96	92	96	101	101
460-270065-2	BCS-09-19_(11-11.5)P	93	87	85	94	86	86	91	89
460-270167-A-2-B MS	Matrix Spike	84	73	76	82	80	80	78	84
460-270167-A-2-C MSD	Matrix Spike Duplicate	87	78	79	83	86	83	82	92
LCS 200-186249/2-A	Lab Control Sample	107	90	92	103	89	68	97	98
MB 200-186249/1-A	Method Blank	100	89	92	99	96	68	94	97

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFUnA (50-150)	PFDaA (50-150)	PFOSA (50-150)	PFPeA (50-150)	PFTDA (50-150)	d3NMFOS (50-150)	d5NEFOS (50-150)	M262FTS (50-150)
460-270065-1	BCS-09-18_(11-11.5)P	108	101	89	96	100	86	98	102
460-270065-2	BCS-09-19_(11-11.5)P	85	82	82	87	90	72	75	90
460-270167-A-2-B MS	Matrix Spike	87	82	71	78	67	76	90	101
460-270167-A-2-C MSD	Matrix Spike Duplicate	89	88	74	84	84	75	95	102
LCS 200-186249/2-A	Lab Control Sample	89	80	100	95	81	75	78	103
MB 200-186249/1-A	Method Blank	94	87	96	85	82	92	94	103

		Percent Isotope Dilution Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	M282FTS (50-150)	C3PFBS (50-150)
460-270065-1	BCS-09-18_(11-11.5)P	123	94
460-270065-2	BCS-09-19_(11-11.5)P	92	88
460-270167-A-2-B MS	Matrix Spike	125	83
460-270167-A-2-C MSD	Matrix Spike Duplicate	129	89
LCS 200-186249/2-A	Lab Control Sample	98	101
MB 200-186249/1-A	Method Blank	97	94

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
- PFPeA = 13C5 PFPeA
- PFTDA = 13C2 PFTeDA
- d3NMFOS = d3-NMeFOSAA
- d5NEFOS = d5-NEtFOSAA
- M262FTS = M2-6:2 FTS
- M282FTS = M2-8:2 FTS
- C3PFBS = 13C3 PFBS

QC Sample Results

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

Job ID: 460-270065-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 200-186249/1-A

Matrix: Solid

Analysis Batch: 186301

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 186249

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		12/01/22 09:15	12/02/22 13:22	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.055	ug/Kg		12/01/22 09:15	12/02/22 13:22	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.046	ug/Kg		12/01/22 09:15	12/02/22 13:22	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.039	ug/Kg		12/01/22 09:15	12/02/22 13:22	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.058	ug/Kg		12/01/22 09:15	12/02/22 13:22	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.034	ug/Kg		12/01/22 09:15	12/02/22 13:22	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.028	ug/Kg		12/01/22 09:15	12/02/22 13:22	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.027	ug/Kg		12/01/22 09:15	12/02/22 13:22	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.025	ug/Kg		12/01/22 09:15	12/02/22 13:22	1
Perfluorotridecanoic acid (PFTriA)	0.20	U	0.20	0.025	ug/Kg		12/01/22 09:15	12/02/22 13:22	1
Perfluorotetradecanoic acid (PFTeA)	0.20	U	0.20	0.026	ug/Kg		12/01/22 09:15	12/02/22 13:22	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.033	ug/Kg		12/01/22 09:15	12/02/22 13:22	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.041	ug/Kg		12/01/22 09:15	12/02/22 13:22	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.023	ug/Kg		12/01/22 09:15	12/02/22 13:22	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.11	ug/Kg		12/01/22 09:15	12/02/22 13:22	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.019	ug/Kg		12/01/22 09:15	12/02/22 13:22	1
Perfluorooctanesulfonamide (FOSA)	0.20	U	0.20	0.034	ug/Kg		12/01/22 09:15	12/02/22 13:22	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	U	2.00	0.11	ug/Kg		12/01/22 09:15	12/02/22 13:22	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	U	2.00	0.083	ug/Kg		12/01/22 09:15	12/02/22 13:22	1
6:2 FTS	2.00	U	2.00	0.057	ug/Kg		12/01/22 09:15	12/02/22 13:22	1
8:2 FTS	2.00	U	2.00	0.037	ug/Kg		12/01/22 09:15	12/02/22 13:22	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
18O2 PFHxS	100		50 - 150	12/01/22 09:15	12/02/22 13:22	1
13C4 PFHpA	89		50 - 150	12/01/22 09:15	12/02/22 13:22	1
13C4 PFOA	92		50 - 150	12/01/22 09:15	12/02/22 13:22	1
13C4 PFOS	99		50 - 150	12/01/22 09:15	12/02/22 13:22	1
13C5 PFNA	96		50 - 150	12/01/22 09:15	12/02/22 13:22	1
13C4 PFBA	68		50 - 150	12/01/22 09:15	12/02/22 13:22	1
13C2 PFHxA	94		50 - 150	12/01/22 09:15	12/02/22 13:22	1
13C2 PFDA	97		50 - 150	12/01/22 09:15	12/02/22 13:22	1
13C2 PFUnA	94		50 - 150	12/01/22 09:15	12/02/22 13:22	1
13C2 PFDoA	87		50 - 150	12/01/22 09:15	12/02/22 13:22	1
13C8 FOSA	96		50 - 150	12/01/22 09:15	12/02/22 13:22	1
13C5 PFPeA	85		50 - 150	12/01/22 09:15	12/02/22 13:22	1
13C2 PFTeDA	82		50 - 150	12/01/22 09:15	12/02/22 13:22	1
d3-NMeFOSAA	92		50 - 150	12/01/22 09:15	12/02/22 13:22	1
d5-NEtFOSAA	94		50 - 150	12/01/22 09:15	12/02/22 13:22	1
M2-6:2 FTS	103		50 - 150	12/01/22 09:15	12/02/22 13:22	1
M2-8:2 FTS	97		50 - 150	12/01/22 09:15	12/02/22 13:22	1
13C3 PFBS	94		50 - 150	12/01/22 09:15	12/02/22 13:22	1

QC Sample Results

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

Job ID: 460-270065-1

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

Lab Sample ID: LCS 200-186249/2-A

Matrix: Solid

Analysis Batch: 186301

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 186249

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	1.948		ug/Kg		97	60 - 140
Perfluoropentanoic acid (PFPeA)	2.00	1.880		ug/Kg		94	60 - 140
Perfluorohexanoic acid (PFHxA)	2.00	1.882		ug/Kg		94	60 - 140
Perfluoroheptanoic acid (PFHpA)	2.00	1.936		ug/Kg		97	60 - 140
Perfluorooctanoic acid (PFOA)	2.00	1.940		ug/Kg		97	60 - 140
Perfluorononanoic acid (PFNA)	2.00	1.947		ug/Kg		97	60 - 140
Perfluorodecanoic acid (PFDA)	2.00	1.879		ug/Kg		94	60 - 140
Perfluoroundecanoic acid (PFUnA)	2.00	2.022		ug/Kg		101	60 - 140
Perfluorododecanoic acid (PFDoA)	2.00	1.868		ug/Kg		93	60 - 140
Perfluorotridecanoic acid (PFTriA)	2.00	1.844		ug/Kg		92	60 - 140
Perfluorotetradecanoic acid (PFTeA)	2.00	1.897		ug/Kg		95	60 - 140
Perfluorobutanesulfonic acid (PFBS)	1.77	1.703		ug/Kg		96	60 - 140
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.703		ug/Kg		94	60 - 140
Perfluoroheptanesulfonic acid (PFHpS)	1.90	1.884		ug/Kg		99	60 - 140
Perfluorooctanesulfonic acid (PFOS)	1.86	1.752		ug/Kg		94	60 - 140
Perfluorodecanesulfonic acid (PFDS)	1.93	1.718		ug/Kg		89	60 - 140
Perfluorooctanesulfonamide (FOSA)	2.00	1.912		ug/Kg		96	60 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.064		ug/Kg		103	60 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.932	J	ug/Kg		97	60 - 140
6:2 FTS	1.90	1.920	J	ug/Kg		101	50 - 150
8:2 FTS	1.92	1.879	J	ug/Kg		98	60 - 140

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
18O2 PFHxS	107		50 - 150
13C4 PFHpA	90		50 - 150
13C4 PFOA	92		50 - 150
13C4 PFOS	103		50 - 150
13C5 PFNA	89		50 - 150
13C4 PFBA	68		50 - 150
13C2 PFHxA	97		50 - 150
13C2 PFDA	98		50 - 150
13C2 PFUnA	89		50 - 150
13C2 PFDoA	80		50 - 150
13C8 FOSA	100		50 - 150
13C5 PFPeA	95		50 - 150
13C2 PFTeA	81		50 - 150
d3-NMeFOSAA	75		50 - 150
d5-NEtFOSAA	78		50 - 150
M2-6:2 FTS	103		50 - 150

QC Sample Results

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

Job ID: 460-270065-1

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

Lab Sample ID: LCS 200-186249/2-A

Matrix: Solid

Analysis Batch: 186301

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 186249

<i>Isotope Dilution</i>	<i>LCS LCS</i>		<i>Limits</i>
	<i>%Recovery</i>	<i>Qualifier</i>	
M2-8:2 FTS	98		50 - 150
13C3 PFBS	101		50 - 150

Lab Sample ID: 460-270167-A-2-B MS

Matrix: Solid

Analysis Batch: 186301

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 186249

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MS MS</i>		<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>Limits</i>
				<i>Result</i>	<i>Qualifier</i>				
Perfluorobutanoic acid (PFBA)	0.70	U	2.88	2.814		ug/Kg	☼	98	60 - 140
Perfluoropentanoic acid (PFPeA)	0.28	U	2.88	2.833		ug/Kg	☼	98	60 - 140
Perfluorohexanoic acid (PFHxA)	0.28	U	2.88	2.840		ug/Kg	☼	99	60 - 140
Perfluoroheptanoic acid (PFHpA)	0.28	U	2.88	2.906		ug/Kg	☼	101	60 - 140
Perfluorooctanoic acid (PFOA)	0.28	U	2.88	3.086		ug/Kg	☼	107	60 - 140
Perfluorononanoic acid (PFNA)	0.28	U	2.88	2.903		ug/Kg	☼	101	60 - 140
Perfluorodecanoic acid (PFDA)	0.28	U	2.88	2.816		ug/Kg	☼	98	60 - 140
Perfluoroundecanoic acid (PFUnA)	0.28	U	2.88	2.759		ug/Kg	☼	96	60 - 140
Perfluorododecanoic acid (PFDoA)	0.28	U	2.88	2.734		ug/Kg	☼	95	60 - 140
Perfluorotridecanoic acid (PFTriA)	0.28	U	2.88	2.409		ug/Kg	☼	84	60 - 140
Perfluorotetradecanoic acid (PFTeA)	0.28	U	2.88	2.960		ug/Kg	☼	103	60 - 140
Perfluorobutanesulfonic acid (PFBS)	0.28	U	2.55	2.446		ug/Kg	☼	96	60 - 140
Perfluorohexanesulfonic acid (PFHxS)	0.28	U	2.62	2.561		ug/Kg	☼	98	60 - 140
Perfluoroheptanesulfonic acid (PFHpS)	0.28	U	2.74	2.763		ug/Kg	☼	101	60 - 140
Perfluorooctanesulfonic acid (PFOS)	0.28	U	2.67	2.692		ug/Kg	☼	101	60 - 140
Perfluorodecanesulfonic acid (PFDS)	0.28	U	2.78	2.530		ug/Kg	☼	91	60 - 140
Perfluorooctanesulfonamide (FOSA)	0.28	U	2.88	2.776		ug/Kg	☼	96	60 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.82	U	2.88	2.895		ug/Kg	☼	101	60 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.82	U	2.88	2.825	J	ug/Kg	☼	98	60 - 140
6:2 FTS	2.82	U	2.73	2.924		ug/Kg	☼	107	50 - 150
8:2 FTS	2.82	U	2.76	2.845	J	ug/Kg	☼	103	60 - 140

<i>Isotope Dilution</i>	<i>MS MS</i>		<i>Limits</i>
	<i>%Recovery</i>	<i>Qualifier</i>	
18O2 PFHxS	84		50 - 150
13C4 PFHpA	73		50 - 150
13C4 PFOA	76		50 - 150
13C4 PFOS	82		50 - 150
13C5 PFNA	80		50 - 150
13C4 PFBA	80		50 - 150
13C2 PFHxA	78		50 - 150
13C2 PFDA	84		50 - 150
13C2 PFUnA	87		50 - 150

QC Sample Results

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

Job ID: 460-270065-1

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

Lab Sample ID: 460-270167-A-2-B MS
Matrix: Solid
Analysis Batch: 186301

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 186249

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>MS MS Qualifier</i>	<i>Limits</i>
13C2 PFDoA	82		50 - 150
13C8 FOSA	71		50 - 150
13C5 PFPeA	78		50 - 150
13C2 PFTeDA	67		50 - 150
d3-NMeFOSAA	76		50 - 150
d5-NEtFOSAA	90		50 - 150
M2-6:2 FTS	101		50 - 150
M2-8:2 FTS	125		50 - 150
13C3 PFBS	83		50 - 150

Lab Sample ID: 460-270167-A-2-C MSD
Matrix: Solid
Analysis Batch: 186301

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 186249

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MSD MSD</i>		<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec RPD</i>		<i>RPD Limit</i>
				<i>Result</i>	<i>Qualifier</i>				<i>Limits</i>	<i>RPD</i>	
Perfluorobutanoic acid (PFBA)	0.70	U	2.86	2.861		ug/Kg	☼	100	60 - 140	2	30
Perfluoropentanoic acid (PFPeA)	0.28	U	2.86	2.929		ug/Kg	☼	102	60 - 140	3	30
Perfluorohexanoic acid (PFHxA)	0.28	U	2.86	2.783		ug/Kg	☼	97	60 - 140	2	30
Perfluoroheptanoic acid (PFHpA)	0.28	U	2.86	2.739		ug/Kg	☼	96	60 - 140	6	30
Perfluorooctanoic acid (PFOA)	0.28	U	2.86	3.136		ug/Kg	☼	110	60 - 140	2	30
Perfluorononanoic acid (PFNA)	0.28	U	2.86	2.890		ug/Kg	☼	101	60 - 140	0	30
Perfluorodecanoic acid (PFDA)	0.28	U	2.86	2.962		ug/Kg	☼	103	60 - 140	5	30
Perfluoroundecanoic acid (PFUnA)	0.28	U	2.86	2.894		ug/Kg	☼	101	60 - 140	5	30
Perfluorododecanoic acid (PFDoA)	0.28	U	2.86	2.857		ug/Kg	☼	100	60 - 140	4	30
Perfluorotridecanoic acid (PFTriA)	0.28	U	2.86	2.491		ug/Kg	☼	87	60 - 140	3	30
Perfluorotetradecanoic acid (PFTeA)	0.28	U	2.86	2.872		ug/Kg	☼	100	60 - 140	3	30
Perfluorobutanesulfonic acid (PFBS)	0.28	U	2.53	2.438		ug/Kg	☼	96	60 - 140	0	30
Perfluorohexanesulfonic acid (PFHxS)	0.28	U	2.61	2.585		ug/Kg	☼	99	60 - 140	1	30
Perfluoroheptanesulfonic acid (PFHpS)	0.28	U	2.73	2.870		ug/Kg	☼	105	60 - 140	4	30
Perfluorooctanesulfonic acid (PFOS)	0.28	U	2.66	2.730		ug/Kg	☼	103	60 - 140	1	30
Perfluorodecanesulfonic acid (PFDS)	0.28	U	2.76	2.725		ug/Kg	☼	99	60 - 140	7	30
Perfluorooctanesulfonamide (FOSA)	0.28	U	2.86	2.865		ug/Kg	☼	100	60 - 140	3	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.82	U	2.86	3.119		ug/Kg	☼	109	60 - 140	7	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.82	U	2.86	2.778	J	ug/Kg	☼	97	60 - 140	2	30
6:2 FTS	2.82	U	2.71	2.879		ug/Kg	☼	106	50 - 150	2	30
8:2 FTS	2.82	U	2.74	2.819	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	87		50 - 150
13C4 PFHpA	78		50 - 150

QC Sample Results

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

Job ID: 460-270065-1

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

Lab Sample ID: 460-270167-A-2-C MSD

Matrix: Solid

Analysis Batch: 186301

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 186249

<i>Isotope Dilution</i>	<i>MSD MSD</i>		<i>Limits</i>
	<i>%Recovery</i>	<i>Qualifier</i>	
13C4 PFOA	79		50 - 150
13C4 PFOS	83		50 - 150
13C5 PFNA	86		50 - 150
13C4 PFBA	83		50 - 150
13C2 PFHxA	82		50 - 150
13C2 PFDA	92		50 - 150
13C2 PFUnA	89		50 - 150
13C2 PFDoA	88		50 - 150
13C8 FOSA	74		50 - 150
13C5 PFPeA	84		50 - 150
13C2 PFTeDA	84		50 - 150
d3-NMeFOSAA	75		50 - 150
d5-NEtFOSAA	95		50 - 150
M2-6:2 FTS	102		50 - 150
M2-8:2 FTS	129		50 - 150
13C3 PFBS	89		50 - 150

Definitions/Glossary

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

Job ID: 460-270065-1

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: 460-270065-1

LCMS

Prep Batch: 186249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-270065-1	BCS-09-18_(11-11.5)P	Total/NA	Solid	SHAKE	
460-270065-2	BCS-09-19_(11-11.5)P	Total/NA	Solid	SHAKE	
MB 200-186249/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 200-186249/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
460-270167-A-2-B MS	Matrix Spike	Total/NA	Solid	SHAKE	
460-270167-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	SHAKE	

Analysis Batch: 186301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-270065-1	BCS-09-18_(11-11.5)P	Total/NA	Solid	537 (modified)	186249
460-270065-2	BCS-09-19_(11-11.5)P	Total/NA	Solid	537 (modified)	186249
MB 200-186249/1-A	Method Blank	Total/NA	Solid	537 (modified)	186249
LCS 200-186249/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	186249
460-270167-A-2-B MS	Matrix Spike	Total/NA	Solid	537 (modified)	186249
460-270167-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	537 (modified)	186249

General Chemistry

Analysis Batch: 186206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-270065-1	BCS-09-18_(11-11.5)P	Total/NA	Solid	Moisture	
460-270065-2	BCS-09-19_(11-11.5)P	Total/NA	Solid	Moisture	
460-270065-1 DU	BCS-09-18_(11-11.5)P	Total/NA	Solid	Moisture	

Lab Chronicle

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

Job ID: 460-270065-1

Client Sample ID: BCS-09-18_(11-11.5)P

Lab Sample ID: 460-270065-1

Date Collected: 11/21/22 14:15

Matrix: Solid

Date Received: 11/21/22 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	186206	RWM	EET BUR	11/30/22 16:32

Client Sample ID: BCS-09-18_(11-11.5)P

Lab Sample ID: 460-270065-1

Date Collected: 11/21/22 14:15

Matrix: Solid

Date Received: 11/21/22 18:30

Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			186249	KFW	EET BUR	12/01/22 09:15
Total/NA	Analysis	537 (modified)		1	186301	BWC	EET BUR	12/02/22 13:55

Client Sample ID: BCS-09-19_(11-11.5)P

Lab Sample ID: 460-270065-2

Date Collected: 11/21/22 14:25

Matrix: Solid

Date Received: 11/21/22 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	186206	RWM	EET BUR	11/30/22 16:32

Client Sample ID: BCS-09-19_(11-11.5)P

Lab Sample ID: 460-270065-2

Date Collected: 11/21/22 14:25

Matrix: Solid

Date Received: 11/21/22 18:30

Percent Solids: 80.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			186249	KFW	EET BUR	12/01/22 09:15
Total/NA	Analysis	537 (modified)		1	186301	BWC	EET BUR	12/02/22 14:03

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: 460-270065-1

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.: 460-270065-1

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 #	C4PFHA #	PFHxS #	M262FTS #	PFOA #
BCS-09-18_(11-11.5))P	460-270065-1	96	96	94	101	96	100	102	93
BCS-09-19_(11-11.5))P	460-270065-2	86	87	88	91	87	93	90	85
	MB 200-186249/1-A	68	85	94	94	89	100	103	92
	LCS 200-186249/2-A	68	95	101	97	90	107	103	92
	460-270167-A-2-B MS	80	78	83	78	73	84	101	76
	460-270167-A-2-C MSD	83	84	89	82	78	87	102	79

	<u>QC LIMITS</u>
PFBA = 13C4 PFBA	50-150
PFPeA = 13C5 PFPeA	50-150
C3PFBS = 13C3 PFBS	50-150
PFHxA = 13C2 PFHxA	50-150
PFHxS = 18O2 PFHxS	50-150
C4PFHA = 13C4 PFHpA	50-150
M262FTS = M2-6:2 FTS	50-150
PFOA = 13C4 PFOA	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.: 460-270065-1

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 #	d5NEFOS #	PFUnA #
BCS-09-18_(11-11.5))P	460-270065-1	96	92	101	123	89	86	98	108
BCS-09-19_(11-11.5))P	460-270065-2	94	86	89	92	82	72	75	85
	MB 200-186249/1-A	99	96	97	97	96	92	94	94
	LCS 200-186249/2-A	103	89	98	98	100	75	78	89
	460-270167-A-2-B MS	82	80	84	125	71	76	90	87
	460-270167-A-2-C MSD	83	86	92	129	74	75	95	89

	<u>QC LIMITS</u>
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
d5NEFOS = d5-NEtFOSAA	50-150
PFUnA = 13C2 PFUnA	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.: 460-270065-1

SDG No.: _____

Matrix: Solid Level: Low

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

Client Sample ID	Lab Sample ID	PFDa #	PFTDA #
BCS-09-18_(11-11.5))P	460-270065-1	101	100
BCS-09-19_(11-11.5))P	460-270065-2	82	90
	MB 200-186249/1-A	87	82
	LCS 200-186249/2-A	80	81
	460-270167-A-2-B MS	82	67
	460-270167-A-2-C MSD	88	84

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.: 460-270065-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: PA221202A11.d
 Lab ID: LCS 200-186249/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	2.00	1.948	97	60-140	
Perfluoropentanoic acid (PFPeA)	2.00	1.880	94	60-140	
Perfluorohexanoic acid (PFHxA)	2.00	1.882	94	60-140	
Perfluoroheptanoic acid (PFHpA)	2.00	1.936	97	60-140	
Perfluorooctanoic acid (PFOA)	2.00	1.940	97	60-140	
Perfluorononanoic acid (PFNA)	2.00	1.947	97	60-140	
Perfluorodecanoic acid (PFDA)	2.00	1.879	94	60-140	
Perfluoroundecanoic acid (PFUnA)	2.00	2.022	101	60-140	
Perfluorododecanoic acid (PFDoA)	2.00	1.868	93	60-140	
Perfluorotridecanoic acid (PFTriA)	2.00	1.844	92	60-140	
Perfluorotetradecanoic acid (PFTeA)	2.00	1.897	95	60-140	
Perfluorobutanesulfonic acid (PFBS)	1.77	1.703	96	60-140	
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.703	94	60-140	
Perfluoroheptanesulfonic acid (PFHpS)	1.90	1.884	99	60-140	
Perfluorooctanesulfonic acid (PFOS)	1.86	1.752	94	60-140	
Perfluorodecanesulfonic acid (PFDS)	1.93	1.718	89	60-140	
Perfluorooctanesulfonamide (FOSA)	2.00	1.912	96	60-140	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.064	103	60-140	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.932 J	97	60-140	
6:2 FTS	1.90	1.920 J	101	50-150	
8:2 FTS	1.92	1.879 J	98	60-140	
18O2 PFHxS	2.37	2.524	107	50-150	
13C4 PFHpA	2.50	2.261	90	50-150	
13C4 PFOA	2.50	2.308	92	50-150	
13C4 PFOS	2.39	2.459	103	50-150	
13C5 PFNA	2.50	2.222	89	50-150	
13C4 PFBA	2.50	1.690	68	50-150	
13C2 PFHxA	2.50	2.429	97	50-150	
13C2 PFDA	2.50	2.442	98	50-150	
13C2 PFUnA	2.50	2.227	89	50-150	
13C2 PFDoA	2.50	2.007	80	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.: 460-270065-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: PA221202A11.d
 Lab ID: LCS 200-186249/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
13C8 FOSA	2.50	2.498	100	50-150	
13C5 PFPeA	2.50	2.368	95	50-150	
13C2 PFTeDA	2.50	2.022	81	50-150	
d3-NMeFOSAA	2.50	1.879	75	50-150	
d5-NEtFOSAA	2.50	1.961	78	50-150	
M2-6:2 FTS	2.38	2.435	103	50-150	
M2-8:2 FTS	2.40	2.357	98	50-150	
13C3 PFBS	2.33	2.344	101	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.: 460-270065-1

SDG No.: _____

Matrix: Solid Level: Low

Lab File ID: PA221202A18.d

Lab ID: 460-270167-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)	2.88	0.70 U	2.814	98	60-140	
Perfluoropentanoic acid (PFPeA)	2.88	0.28 U	2.833	98	60-140	
Perfluorohexanoic acid (PFHxA)	2.88	0.28 U	2.840	99	60-140	
Perfluoroheptanoic acid (PFHpA)	2.88	0.28 U	2.906	101	60-140	
Perfluorooctanoic acid (PFOA)	2.88	0.28 U	3.086	107	60-140	
Perfluorononanoic acid (PFNA)	2.88	0.28 U	2.903	101	60-140	
Perfluorodecanoic acid (PFDA)	2.88	0.28 U	2.816	98	60-140	
Perfluoroundecanoic acid (PFUnA)	2.88	0.28 U	2.759	96	60-140	
Perfluorododecanoic acid (PFDoA)	2.88	0.28 U	2.734	95	60-140	
Perfluorotridecanoic acid (PFTriA)	2.88	0.28 U	2.409	84	60-140	
Perfluorotetradecanoic acid (PFTeA)	2.88	0.28 U	2.960	103	60-140	
Perfluorobutanesulfonic acid (PFBS)	2.55	0.28 U	2.446	96	60-140	
Perfluorohexanesulfonic acid (PFHxS)	2.62	0.28 U	2.561	98	60-140	
Perfluoroheptanesulfonic acid (PFHpS)	2.74	0.28 U	2.763	101	60-140	
Perfluorooctanesulfonic acid (PFOS)	2.67	0.28 U	2.692	101	60-140	
Perfluorodecanesulfonic acid (PFDS)	2.78	0.28 U	2.530	91	60-140	
Perfluorooctanesulfonamide (FOSA)	2.88	0.28 U	2.776	96	60-140	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.88	2.82 U	2.895	101	60-140	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.88	2.82 U	2.825 J	98	60-140	
6:2 FTS	2.73	2.82 U	2.924	107	50-150	
8:2 FTS	2.76	2.82 U	2.845 J	103	60-140	
18O2 PFHxS	3.41	2.97	2.860	84	50-150	
13C4 PFHpA	3.60	2.78	2.634	73	50-150	
13C4 PFOA	3.60	2.95	2.751	76	50-150	
13C4 PFOS	3.44	2.99	2.811	82	50-150	
13C5 PFNA	3.60	3.15	2.882	80	50-150	
13C4 PFBA	3.60	3.05	2.890	80	50-150	
13C2 PFHxA	3.60	2.96	2.796	78	50-150	
13C2 PFDA	3.60	3.43	3.020	84	50-150	
13C2 PFUnA	3.60	3.11	3.137	87	50-150	
13C2 PFDoA	3.60	3.07	2.937	82	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.: 460-270065-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: PA221202A18.d
 Lab ID: 460-270167-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	3.60	2.75	2.559	71	50-150	
13C5 PFPeA	3.60	3.05	2.807	78	50-150	
13C2 PFTeDA	3.60	2.94	2.428	67	50-150	
d3-NMeFOSAA	3.60	2.94	2.733	76	50-150	
d5-NEtFOSAA	3.60	3.58	3.227	90	50-150	
M2-6:2 FTS	3.42	3.61	3.448	101	50-150	
M2-8:2 FTS	3.45	4.51	4.310	125	50-150	
13C3 PFBS	3.35	2.89	2.791	83	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.: 460-270065-1

SDG No.: _____

Matrix: Solid Level: Low

Lab File ID: PA221202A19.d

Lab ID: 460-270167-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)	2.86	2.861	100	2	30	60-140	
Perfluoropentanoic acid (PFPeA)	2.86	2.929	102	3	30	60-140	
Perfluorohexanoic acid (PFHxA)	2.86	2.783	97	2	30	60-140	
Perfluoroheptanoic acid (PFHpA)	2.86	2.739	96	6	30	60-140	
Perfluorooctanoic acid (PFOA)	2.86	3.136	110	2	30	60-140	
Perfluorononanoic acid (PFNA)	2.86	2.890	101	0	30	60-140	
Perfluorodecanoic acid (PFDA)	2.86	2.962	103	5	30	60-140	
Perfluoroundecanoic acid (PFUnA)	2.86	2.894	101	5	30	60-140	
Perfluorododecanoic acid (PFDoA)	2.86	2.857	100	4	30	60-140	
Perfluorotridecanoic acid (PFTriA)	2.86	2.491	87	3	30	60-140	
Perfluorotetradecanoic acid (PFTeA)	2.86	2.872	100	3	30	60-140	
Perfluorobutanesulfonic acid (PFBS)	2.53	2.438	96	0	30	60-140	
Perfluorohexanesulfonic acid (PFHxS)	2.61	2.585	99	1	30	60-140	
Perfluoroheptanesulfonic acid (PFHpS)	2.73	2.870	105	4	30	60-140	
Perfluorooctanesulfonic acid (PFOS)	2.66	2.730	103	1	30	60-140	
Perfluorodecanesulfonic acid (PFDS)	2.76	2.725	99	7	30	60-140	
Perfluorooctanesulfonamide (FOSA)	2.86	2.865	100	3	30	60-140	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.86	3.119	109	7	30	60-140	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.86	2.778 J	97	2	30	60-140	
6:2 FTS	2.71	2.879	106	2	30	50-150	
8:2 FTS	2.74	2.819 J	103	1	30	60-140	
18O2 PFHxS	3.39	2.941	87			50-150	
13C4 PFHpA	3.58	2.801	78			50-150	
13C4 PFOA	3.58	2.844	79			50-150	
13C4 PFOS	3.42	2.840	83			50-150	
13C5 PFNA	3.58	3.061	86			50-150	
13C4 PFBA	3.58	2.971	83			50-150	
13C2 PFHxA	3.58	2.947	82			50-150	
13C2 PFDA	3.58	3.303	92			50-150	
13C2 PFUnA	3.58	3.194	89			50-150	
13C2 PFDoA	3.58	3.166	88			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.: 460-270065-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: PA221202A19.d
 Lab ID: 460-270167-A-2-C MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
13C8 FOSA	3.58	2.658	74			50-150	
13C5 PFPeA	3.58	2.991	84			50-150	
13C2 PFTeDA	3.58	3.023	84			50-150	
d3-NMeFOSAA	3.58	2.694	75			50-150	
d5-NEtFOSAA	3.58	3.390	95			50-150	
M2-6:2 FTS	3.40	3.466	102			50-150	
M2-8:2 FTS	3.43	4.407	129			50-150	
13C3 PFBS	3.33	2.953	89			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.: 460-270065-1
 SDG No.: _____
 Lab File ID: PA221202A10.d Lab Sample ID: MB 200-186249/1-A
 Matrix: Solid Date Extracted: 12/01/2022 09:15
 Instrument ID: LC812 Date Analyzed: 12/02/2022 13:22
 Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-186249/2-A	PA221202A11 .d	12/02/2022 13:30
BCS-09-18_(11-11.5)P	460-270065-1	PA221202A14 .d	12/02/2022 13:55
BCS-09-19_(11-11.5)P	460-270065-2	PA221202A15 .d	12/02/2022 14:03
	460-270167-A-2-B MS	PA221202A18 .d	12/02/2022 14:27
	460-270167-A-2-C MSD	PA221202A19 .d	12/02/2022 14:35

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Burlington Job No.: 460-270065-1
 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 200-186301/4		2486924	3.38				
CCVLIS 200-186301/5		2550188	3.40				

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.: 460-270065-1
 SDG No.: _____
 Sample No.: CCVLIS 200-186301/5 Date Analyzed: 12/02/2022 12:41
 Instrument ID: LC812 GC Column: C-18 ID: 4.6 (mm)
 Lab File ID (Standard): PA221202A05.d Heated Purge: (Y/N) N
 Calibration ID: 49456

	13PFOA		#	RT #	#	RT #
	AREA #	RT #				
Low Level 12/24 HOUR STD	2550188	3.40				
UPPER LIMIT	3825282	3.60				
LOWER LIMIT	1275094	3.20				
LAB SAMPLE ID	CLIENT SAMPLE ID					
CCV 200-186301/9		2543943	3.42			
MB 200-186249/1-A		2492536	3.42			
LCS 200-186249/2-A		2355894	3.42			
460-270065-1	BCS-09-18_(11-11.5)P	2115428	3.44			
460-270065-2	BCS-09-19_(11-11.5)P	2341152	3.44			
460-270167-A-2-B MS		2397754	3.45			
460-270167-A-2-C MSD		2410618	3.42			
CCV 200-186301/23		2563006	3.44			

13PFOA = 13C2 PFOA
 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.: 460-270065-1
 SDG No.: _____
 Client Sample ID: BCS-09-18_(11-11.5)P Lab Sample ID: 460-270065-1
 Matrix: Solid Lab File ID: PA221202A14.d
 Analysis Method: 537 (modified) Date Collected: 11/21/2022 14:15
 Extraction Method: SHAKE Date Extracted: 12/01/2022 09:15
 Sample wt/vol: 5.18(g) Date Analyzed: 12/02/2022 13:55
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: 11.7 % Solids: 88.3 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186301 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.55	U	0.55	0.36
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.18	J	0.22	0.060
307-24-4	Perfluorohexanoic acid (PFHxA)	0.31		0.22	0.050
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.18	J	0.22	0.043
335-67-1	Perfluorooctanoic acid (PFOA)	0.97		0.22	0.063
375-95-1	Perfluorononanoic acid (PFNA)	0.22	U	0.22	0.037
335-76-2	Perfluorodecanoic acid (PFDA)	0.22	U	0.22	0.031
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.22	U	0.22	0.029
307-55-1	Perfluorododecanoic acid (PFDoA)	0.22	U	0.22	0.027
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.22	U	0.22	0.027
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.22	U	0.22	0.028
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.22	U	0.22	0.036
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.22	U	0.22	0.045
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.22	U	0.22	0.025
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.22	U	0.22	0.12
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.22	U	0.22	0.021
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.22	U	0.22	0.037
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.19	U	2.19	0.12
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.19	U	2.19	0.091
27619-97-2	6:2 FTS	2.19	U	2.19	0.062
39108-34-4	8:2 FTS	2.19	U	2.19	0.040

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-270065-1
 SDG No.: _____
 Client Sample ID: BCS-09-18_(11-11.5)P Lab Sample ID: 460-270065-1
 Matrix: Solid Lab File ID: PA221202A14.d
 Analysis Method: 537 (modified) Date Collected: 11/21/2022 14:15
 Extraction Method: SHAKE Date Extracted: 12/01/2022 09:15
 Sample wt/vol: 5.18(g) Date Analyzed: 12/02/2022 13:55
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: 11.7 % Solids: 88.3 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186301 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	100		50-150
STL01892	13C4 PFHpA	96		50-150
STL00990	13C4 PFOA	93		50-150
STL00991	13C4 PFOS	96		50-150
STL00995	13C5 PFNA	92		50-150
STL00992	13C4 PFBA	96		50-150
STL00993	13C2 PFHxA	101		50-150
STL00996	13C2 PFDA	101		50-150
STL00997	13C2 PFUnA	108		50-150
STL00998	13C2 PFDoA	101		50-150
STL01056	13C8 FOSA	89		50-150
STL01893	13C5 PFPeA	96		50-150
STL02116	13C2 PFTeDA	100		50-150
STL02118	d3-NMeFOSAA	86		50-150
STL02117	d5-NEtFOSAA	98		50-150
STL02279	M2-6:2 FTS	102		50-150
STL02280	M2-8:2 FTS	123		50-150
STL02337	13C3 PFBS	94		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A14.d
 Lims ID: 460-270065-A-1-A
 Client ID: BCS-09-18_(11-11.5)P
 Sample Type: Client
 Inject. Date: 02-Dec-2022 13:55:03 ALS Bottle#: 11 Worklist Smp#: 14
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 460-270065-A-1-A
 Misc. Info.: 200-0053527-014 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 05-Dec-2022 11:40:57 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: CTX1627

First Level Reviewer: nampitakw Date: 05-Dec-2022 12:35:14
 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	2275713	1.20	95.9	7719	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.076	0.009	1.000	85953	0.0458		12.2		M
D 3 13C5 PFPeA	267.90 > 223.00	2.386	2.387	-0.001	0.694	1734083	1.20	96.0	2930	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.386	2.387	-0.001	1.000	125851	0.0832		2.9		M
D 47 13C3 PFBS	301.90 > 80.00	2.400	2.400	0.0	0.698	1718583	1.09	94.1	189799	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.413	2.400	0.013	1.006	3241	0.001916	Target=2.09	3.2		M
298.90 > 99.00	2.400	2.400	0.0	1.000	2223		1.46(1.04-3.13)	0.7		M
D 7 13C2 PFHxA	315.00 > 270.00	2.725	2.725	0.0	0.792	1921712	1.27	101	3665	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.725	2.725	0.0	1.000	234106	0.1398	Target=14.25	37.1		M
313.00 > 119.00	2.725	2.725	0.0	1.000	18094		12.94(7.12-21.37)	23.7		
D 11 18O2 PFHxS	403.00 > 84.00	3.088	3.088	0.0	0.898	1347477	1.18	99.6	5069	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.077	3.088	-0.011	0.996	10674	0.008299	Target=3.66	24.3		M
399.00 > 99.00	3.121	3.088	0.033	1.011	4542		2.35(1.83-5.49)	3.5		M
D 9 13C4 PFHpA	367.00 > 322.00	3.088	3.099	-0.011	0.898	1875614	1.20	96.3	4021	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.088	3.099	-0.011	1.000	136238	0.0834	Target=3.97	23.8		M
363.00 > 169.00	3.088	3.099	-0.011	1.000	35969		3.79(1.98-5.95)	75.4		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	3.430	3.439	-0.009	0.997	232398	1.21		102	487	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.421	3.439	-0.018	0.997	5821	0.002207			2.6	
D 14 13C4 PFOA										
417.00 > 372.00	3.439	3.448	-0.009	1.000	2041695	1.17		93.2	3686	
* 62 13C2 PFOA										
415.00 > 370.00	3.439	3.448	-0.009		2115428	1.25			2878	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.439	3.448	-0.009	1.000	778931	0.4461	Target=2.79	59.3		M
413.00 > 169.00	3.439	3.448	-0.009	1.000	271000		2.87(1.40-4.19)	475		M
D 18 13C4 PFOS										
503.00 > 80.00	3.745	3.764	-0.019	1.089	888673	1.14		95.8	1168	
17 Perfluorooctanesulfonic acid										RM
499.00 > 80.00	3.754	3.764	-0.010	1.003	15208	0.0168	Target=5.11	5.6		RM
499.00 > 99.00	3.596	3.764	-0.168	0.960	7858		1.94(2.55-7.66)	5.0		M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.773	3.783	-0.010	1.003	14375	0.008819	Target=8.55	2.1		M
463.00 > 169.00	3.764	3.783	-0.019	1.000	1285		11.19(4.28-12.83)	6.0		M
D 19 13C5 PFNA										M
468.00 > 423.00	3.764	3.783	-0.019	1.094	1964125	1.15		92.3	3484	M
D 23 13C2 PFDA										
515.00 > 470.00	4.071	4.081	-0.010	1.184	2190432	1.26		101	3382	
24 Perfluorodecanoic acid										RM
513.00 > 469.00	4.081	4.081	0.0	1.003	2077	0.001093	Target=10.26	0.3		RM
513.00 > 169.00	4.050	4.081	-0.031	0.995	826		2.51(5.13-15.38)	1.7		M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.081	4.093	-0.012	1.187	346179	1.48		123	627	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.081	4.093	-0.012	1.000	662	0.001416		8.5		M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.138	4.150	-0.012	1.000	1837	0.001383		7.1		M
D 21 13C8 FOSA										
506.00 > 78.00	4.138	4.150	-0.012	1.203	1588854	1.12		89.4	2670	
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.217	4.228	-0.011	1.226	380713	1.08		86.2	1281	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.228	4.228	0.0	1.002	313	-0.0104		1.0		M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.308	4.331	-0.023	1.150	1438	0.002668	Target=2.51	2.7		M
599.00 > 99.00	4.308	4.331	-0.023	1.150	606		2.37(1.25-3.76)	2.1		M
D 30 13C2 PFUnA										
565.00 > 520.00	4.342	4.353	-0.011	1.263	2135479	1.34		108	3370	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.365	4.365	0.0	1.005	2311	0.007576		5.4		M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.342	4.365	-0.023	1.263	425899	1.22		98.0	1036	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 36 13C2 PFDaA										
615.00 > 570.00	4.580	4.591	-0.011	1.332	2043855	1.26		101	3004	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	4.982	5.012	-0.030	1.000	515	0.002685	Target=0.89		3.9	M
713.00 > 219.00	4.972	5.012	-0.040	0.998	579		0.89(0.44-1.33)		5.0	M
D 43 13C2 PFTeDA										
715.00 > 670.00	4.982	5.012	-0.030	1.449	1751020	1.25		100	3506	M

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromf\Burlington\ChromData\LC812\20221202-53527.b\PA221202A14.d

Injection Date: 02-Dec-2022 13:55:03

Instrument ID: LC812

Lims ID: 460-270065-A-1-A

Lab Sample ID: 200-270065-1

Client ID: BCS-09-18_(11-11.5)P

Operator ID: lc812tech

ALS Bottle#: 11

Worklist Smp#: 14

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

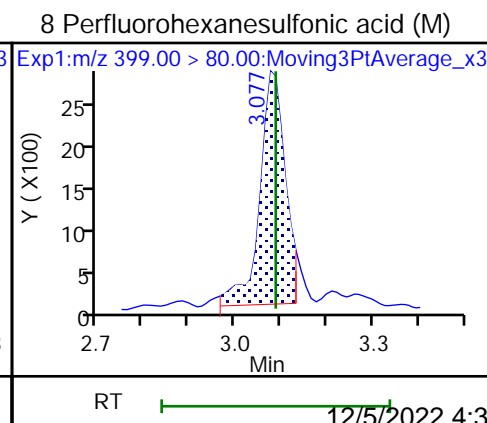
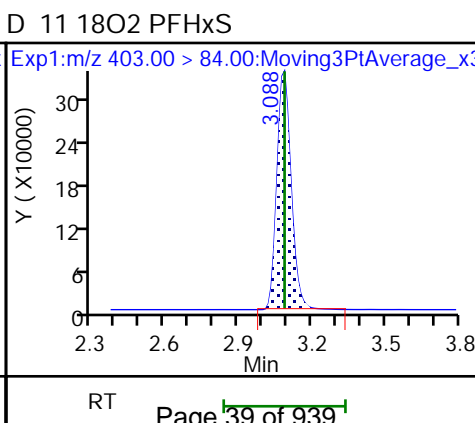
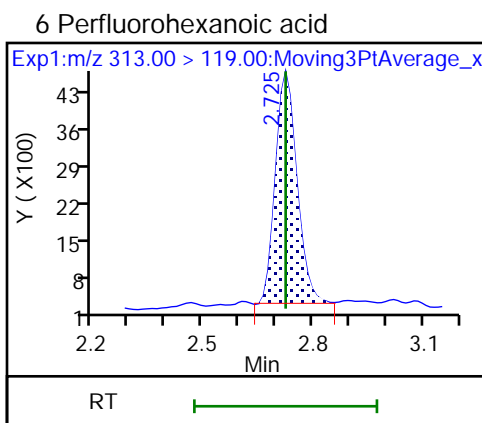
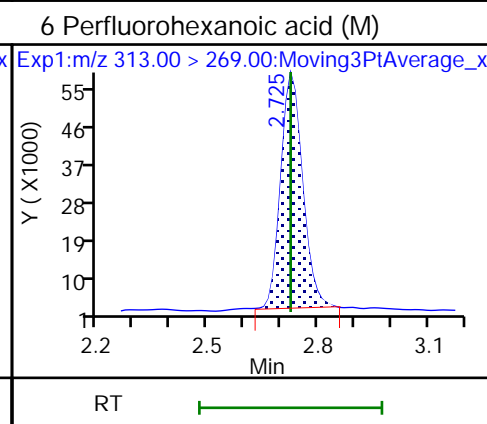
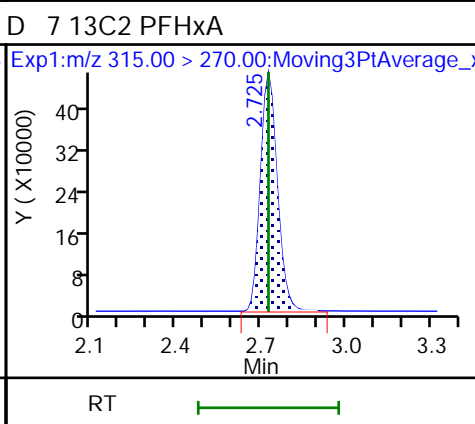
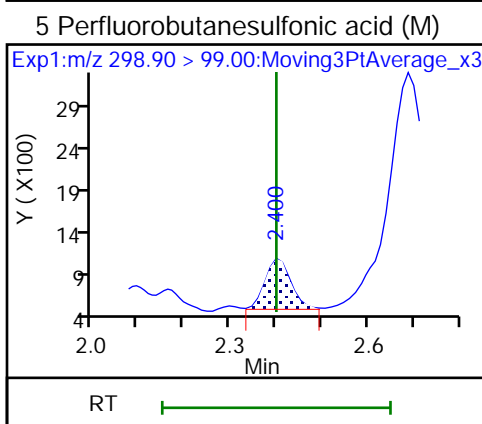
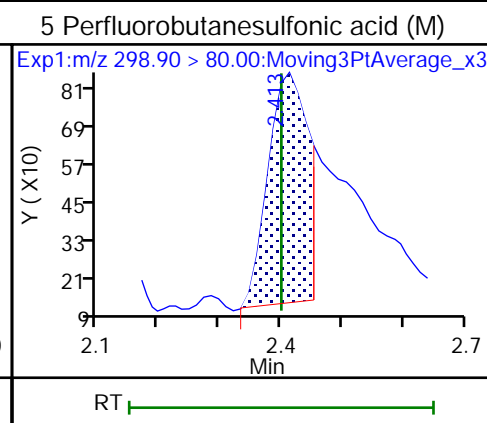
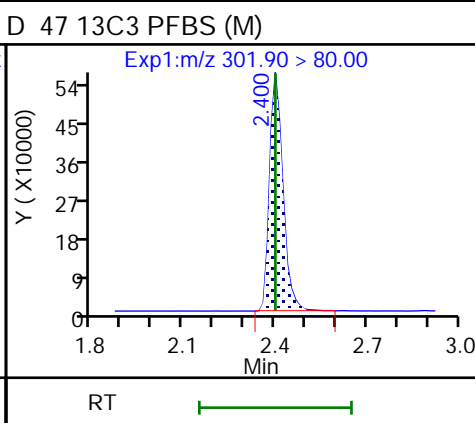
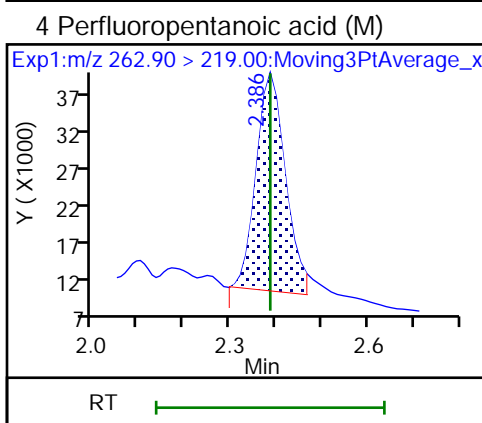
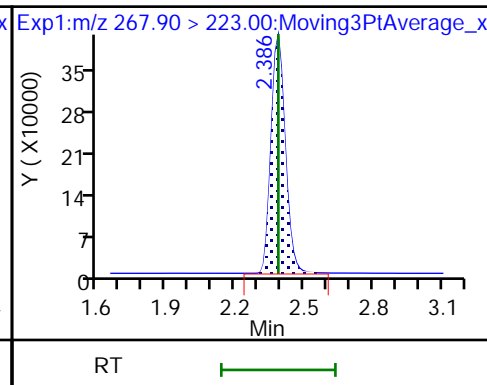
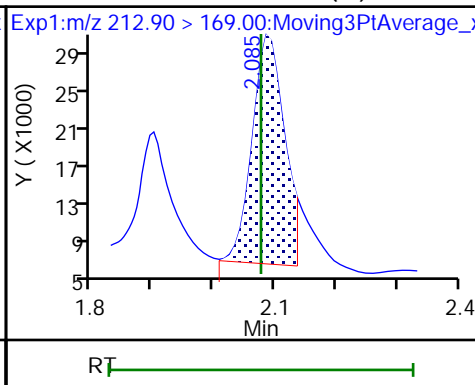
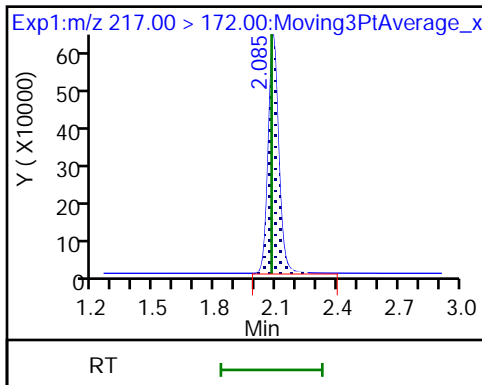
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

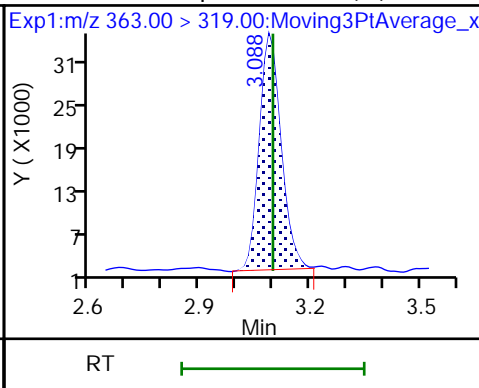
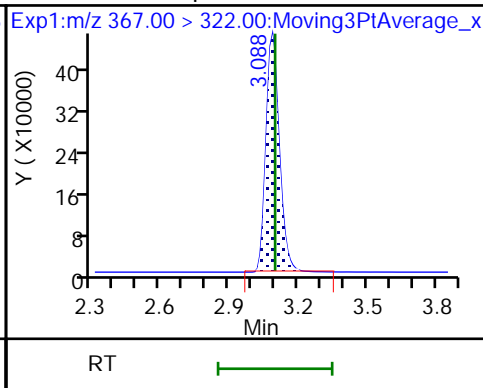
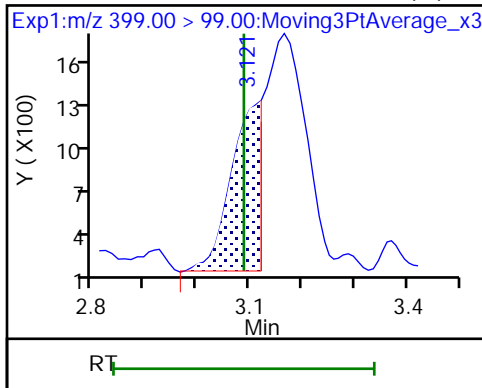
D 3 13C5 PFPeA



8 Perfluorohexanesulfonic acid (M)

D 9 13C4 PFHpA

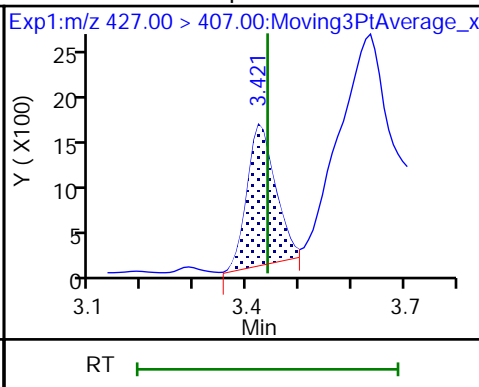
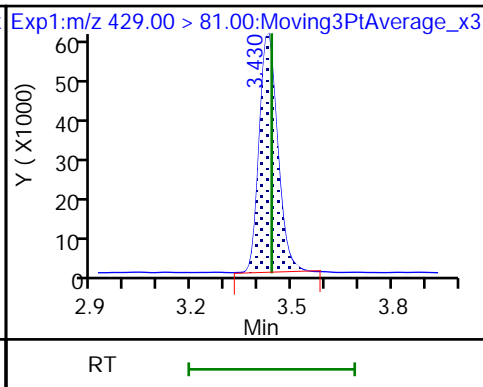
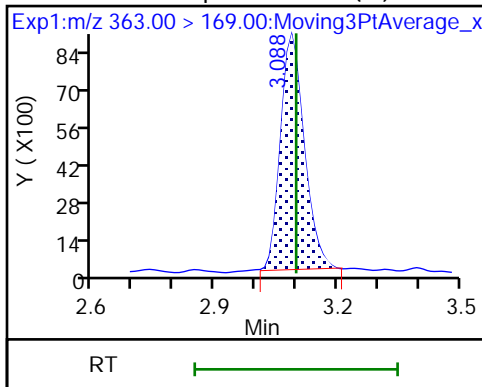
10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid (M)

D 12 M2-6:2 FTS

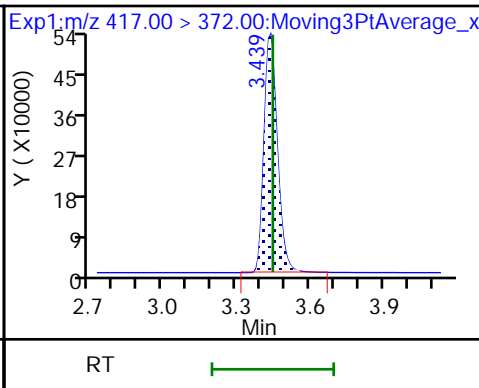
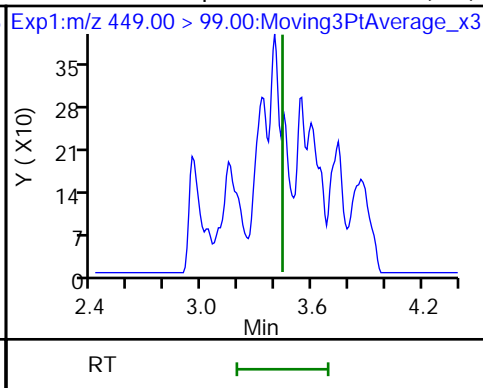
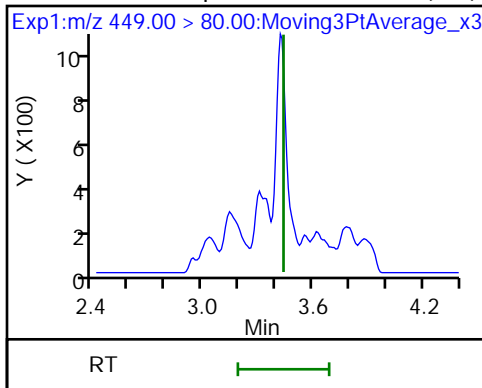
13 1H,1H,2H,2H-perfluorooctanesulfo



16 Perfluoroheptanesulfonic acid (ND)

16 Perfluoroheptanesulfonic acid (ND)

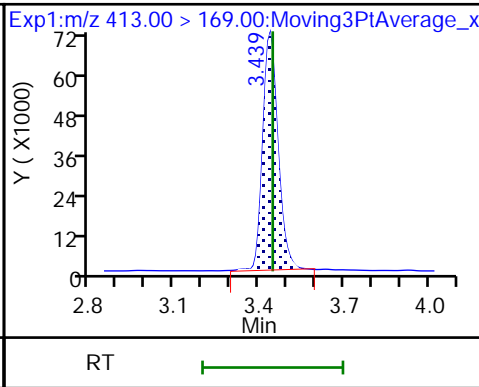
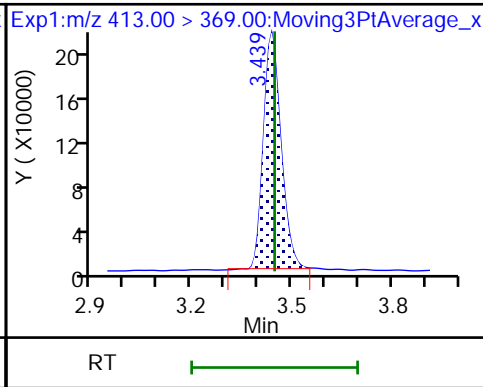
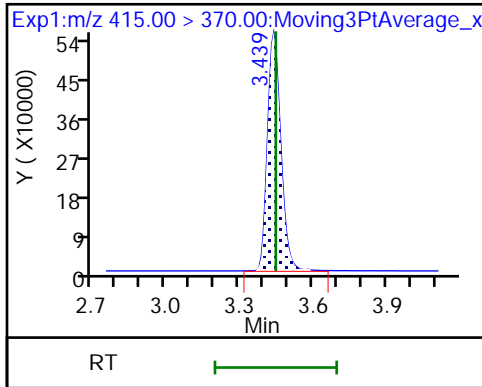
D 14 13C4 PFOA



* 62 13C2 PFOA

15 Perfluorooctanoic acid (M)

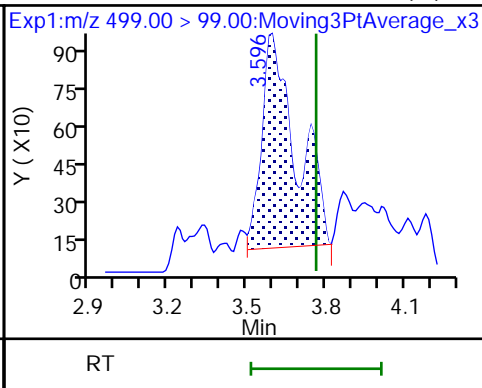
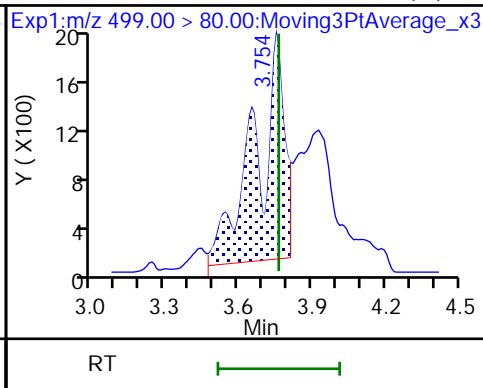
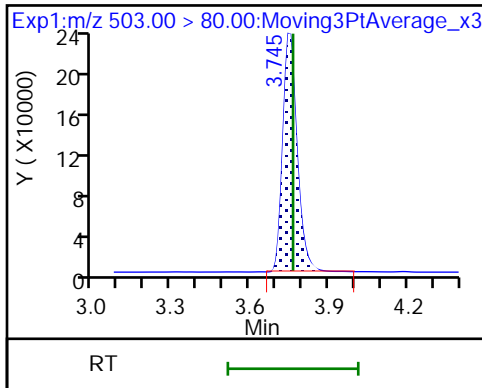
15 Perfluorooctanoic acid (M)



D 18 13C4 PFOS

17 Perfluorooctanesulfonic acid (M)

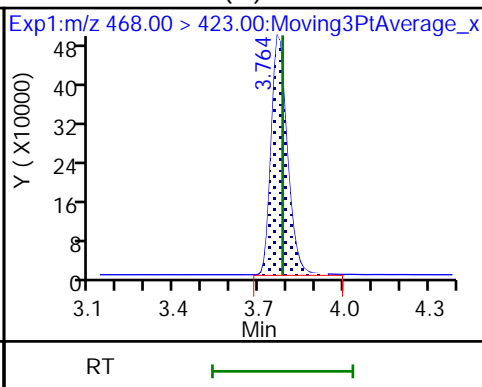
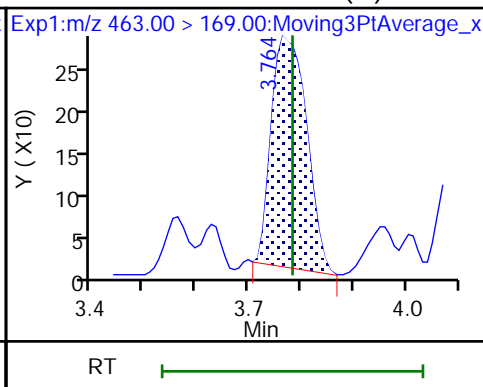
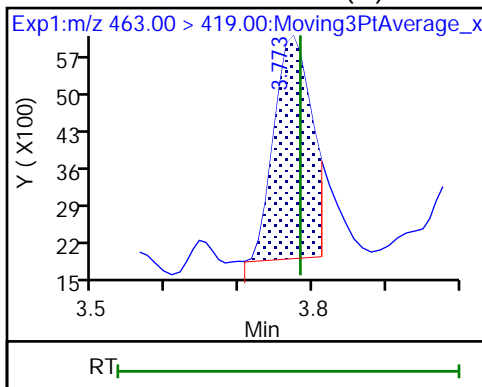
17 Perfluorooctanesulfonic acid (M)



20 Perfluorononanoic acid (M)

20 Perfluorononanoic acid (M)

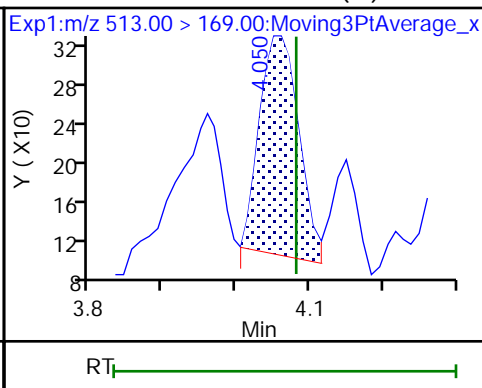
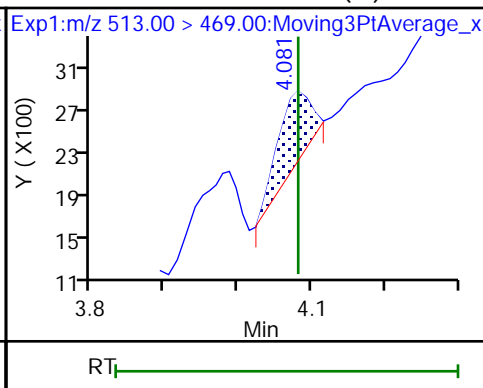
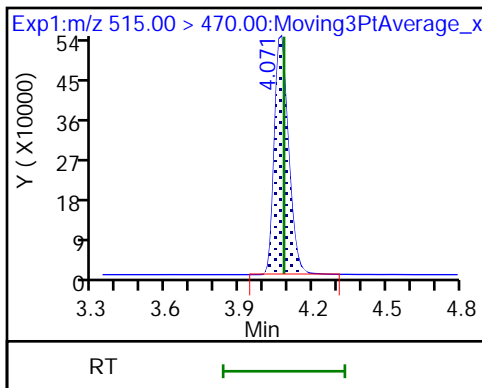
D 19 13C5 PFNA (M)



D 23 13C2 PFDA

24 Perfluorodecanoic acid (M)

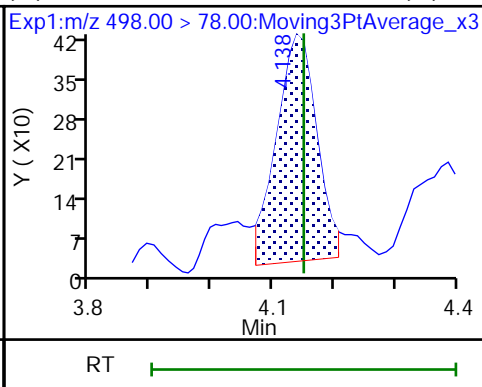
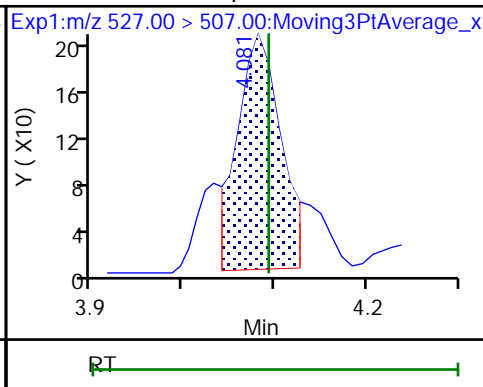
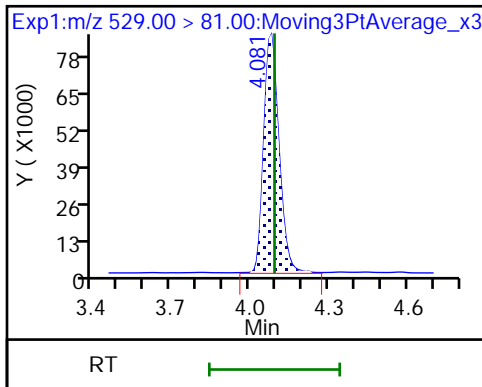
24 Perfluorodecanoic acid (M)



D 26 M2-8:2 FTS

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

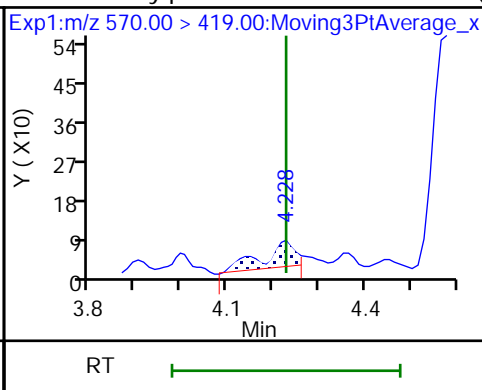
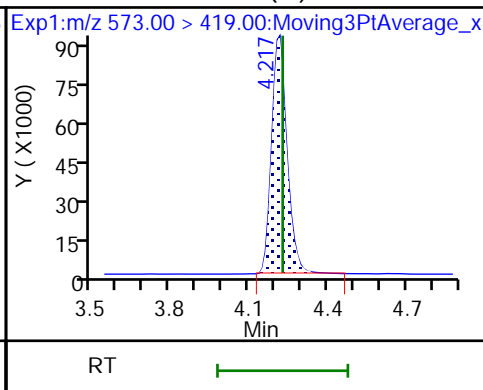
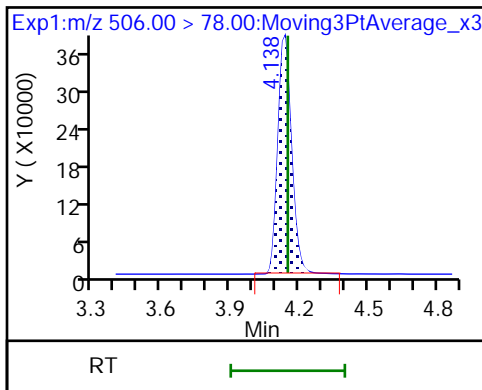
22 Perfluorooctanesulfonamide (M)



D 21 13C8 FOSA

D 27 d3-NMeFOSAA (M)

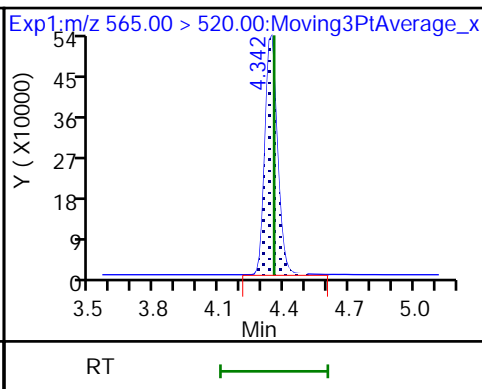
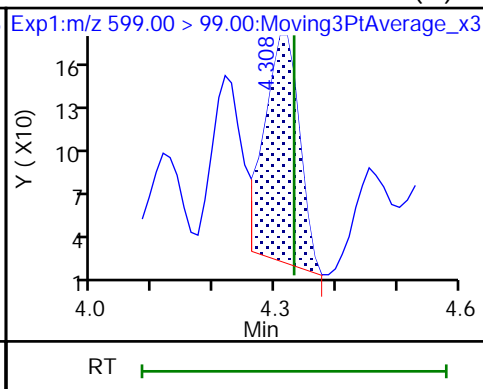
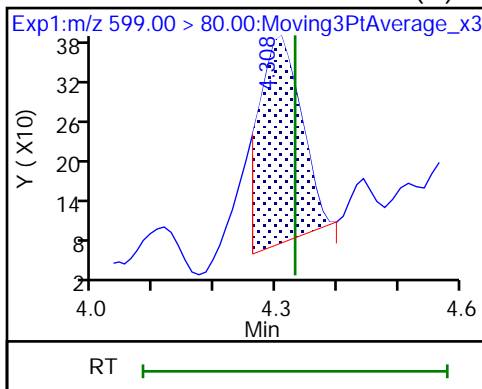
28 N-methylperfluorooctanesulfonami (M)



29 Perfluorodecanesulfonic acid (M)

29 Perfluorodecanesulfonic acid (M)

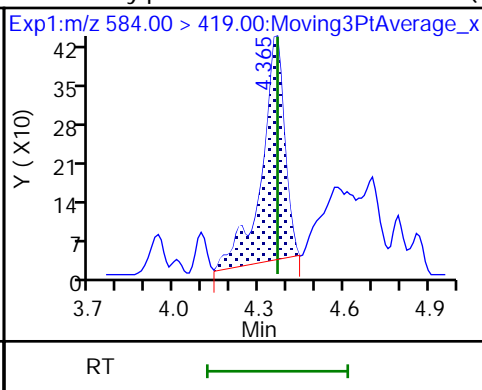
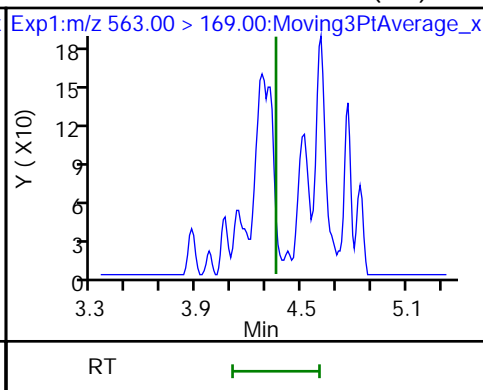
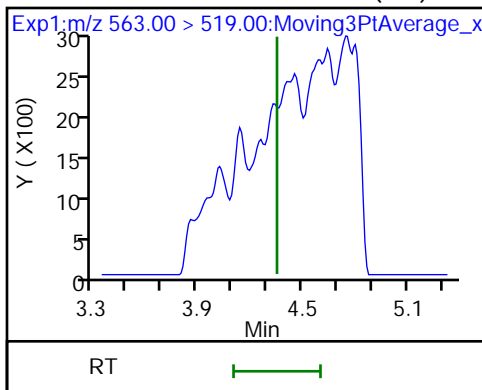
D 30 13C2 PFUnA



31 Perfluoroundecanoic acid (ND)

31 Perfluoroundecanoic acid (ND)

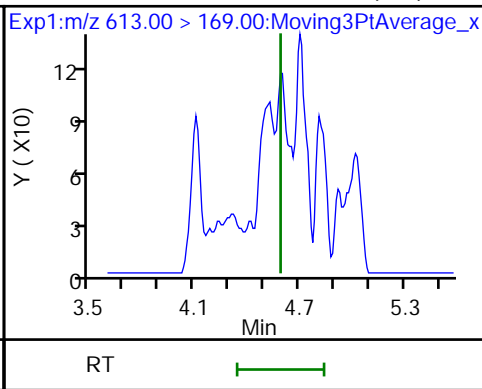
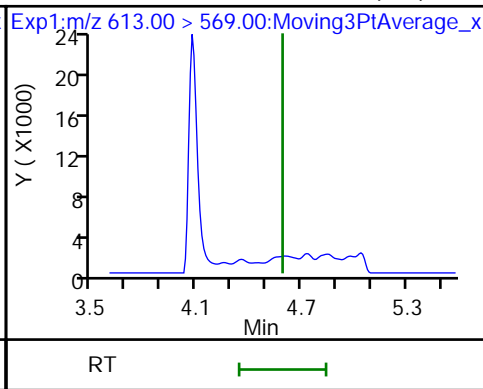
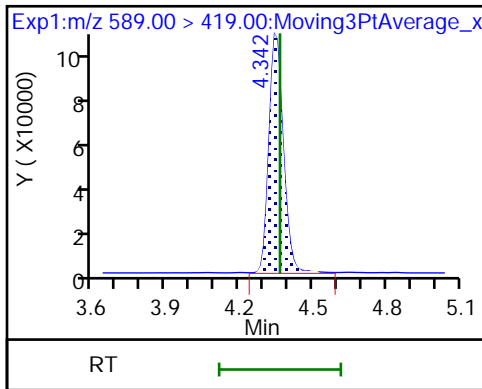
33 N-ethylperfluorooctanesulfonamid (M)



D 32 d5-NEtFOSAA

37 Perfluorododecanoic acid (ND)

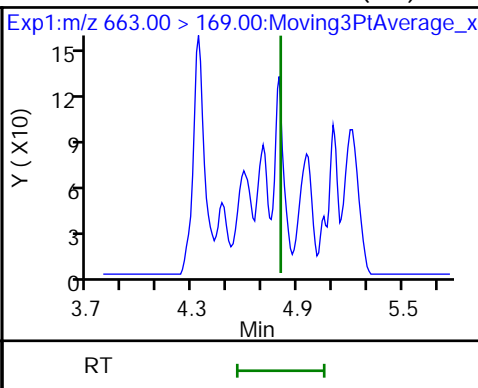
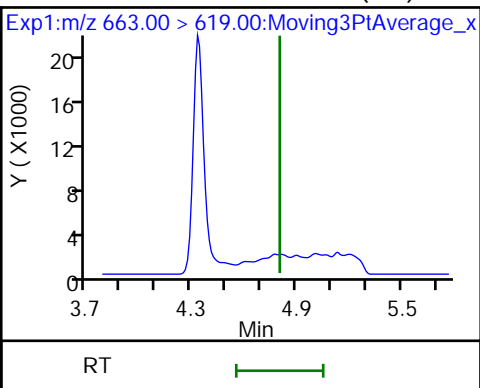
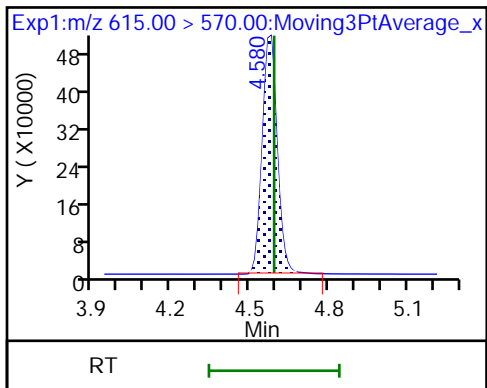
37 Perfluorododecanoic acid (ND)



D 36 13C2 PFDaA

41 Perfluorotridecanoic acid (ND)

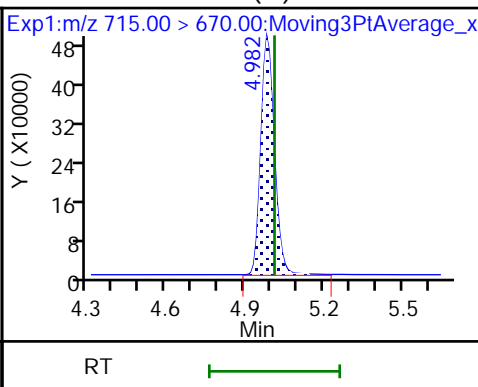
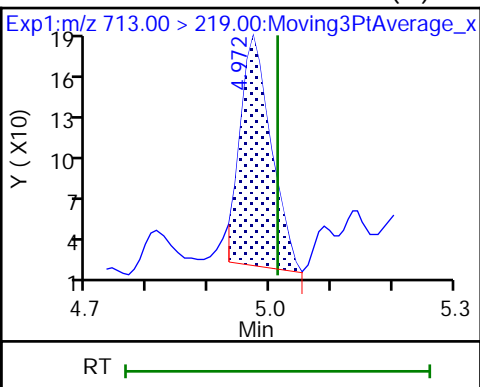
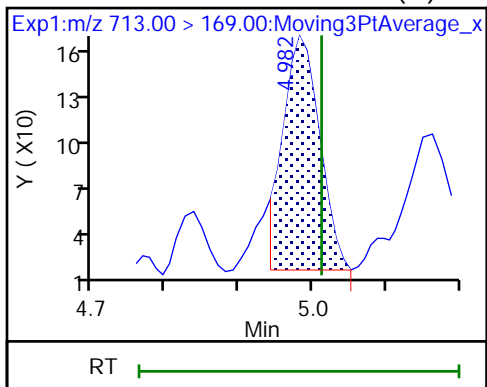
41 Perfluorotridecanoic acid (ND)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

D 43 13C2 PFTeDA (M)



Eurofins Burlington

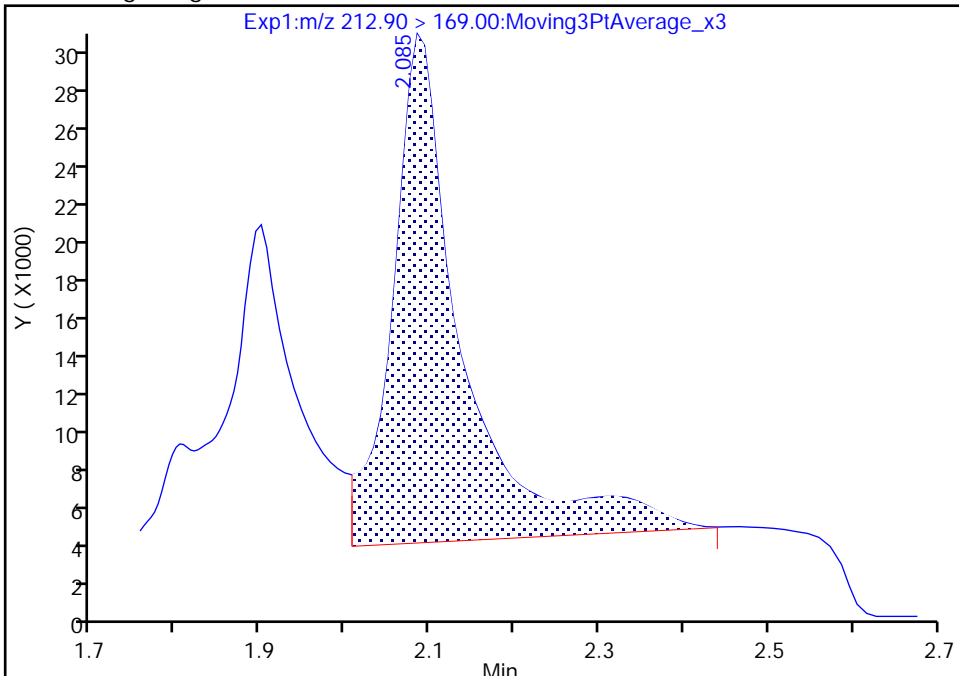
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A14.d
Injection Date: 02-Dec-2022 13:55:03 Instrument ID: LC812
Lims ID: 460-270065-A-1-A Lab Sample ID: 200-270065-1
Client ID: BCS-09-18_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul 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

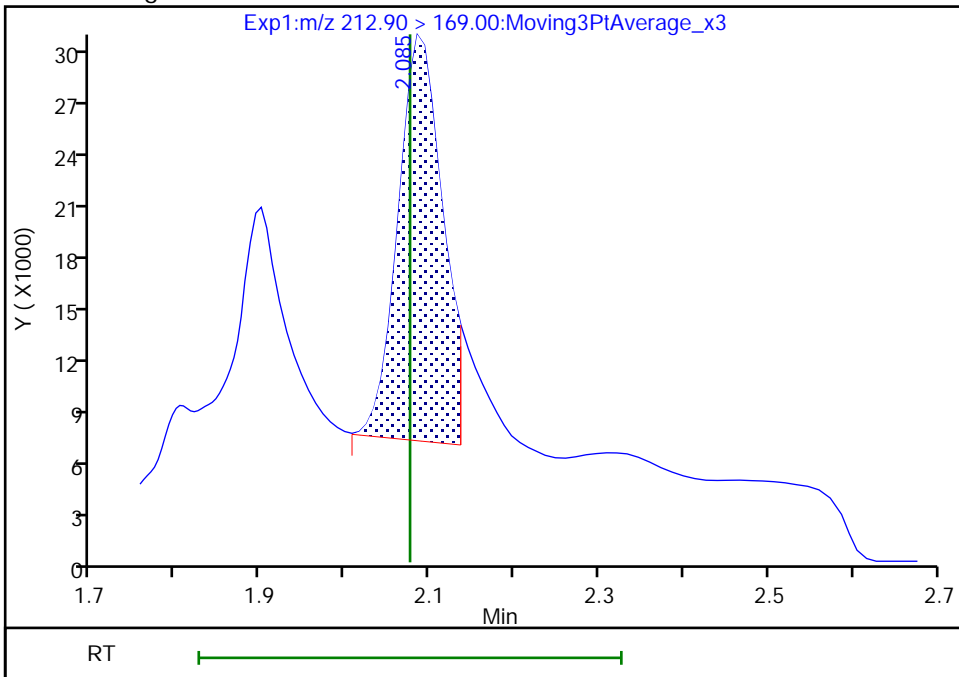
RT: 2.08
Area: 154065
Amount: 0.082064
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 85953
Amount: 0.045784
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:31:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

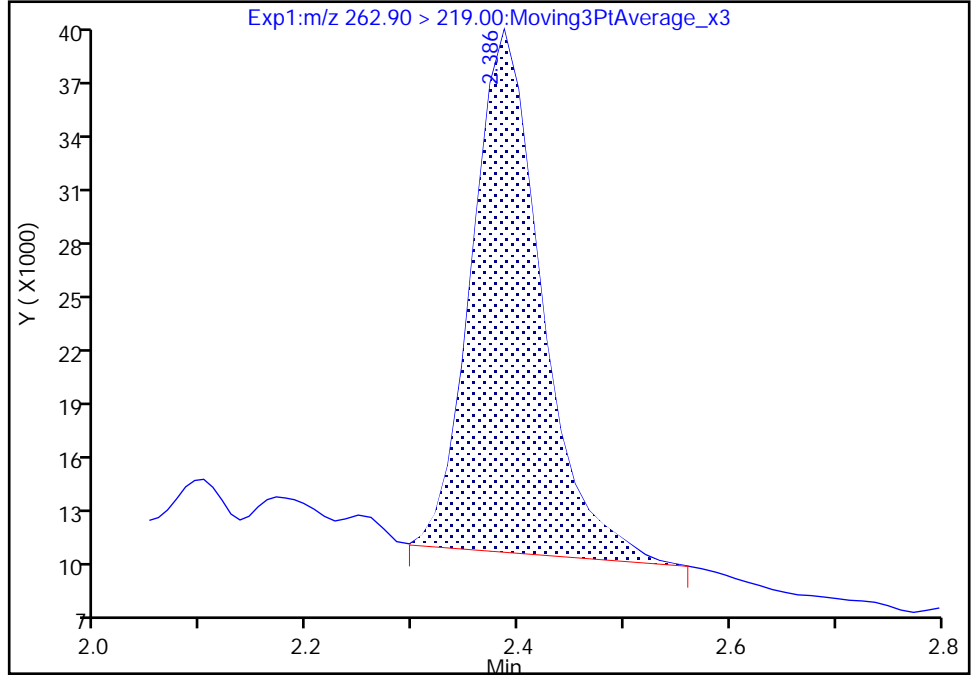
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A14.d
Injection Date: 02-Dec-2022 13:55:03 Instrument ID: LC812
Lims ID: 460-270065-A-1-A Lab Sample ID: 200-270065-1
Client ID: BCS-09-18_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul 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

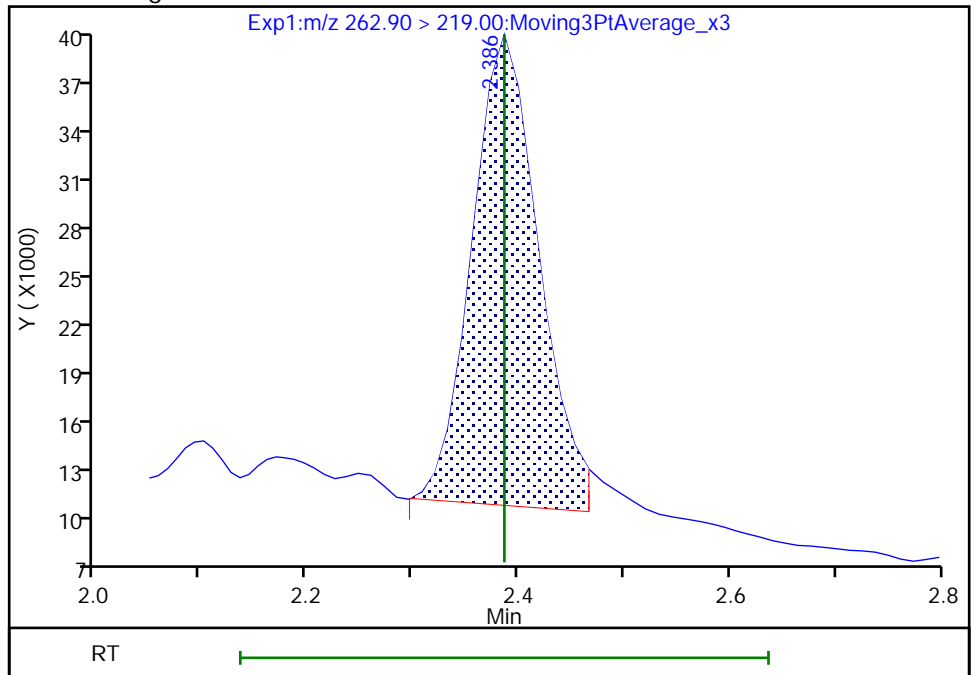
RT: 2.39
Area: 130833
Amount: 0.086537
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 125851
Amount: 0.083241
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:31:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

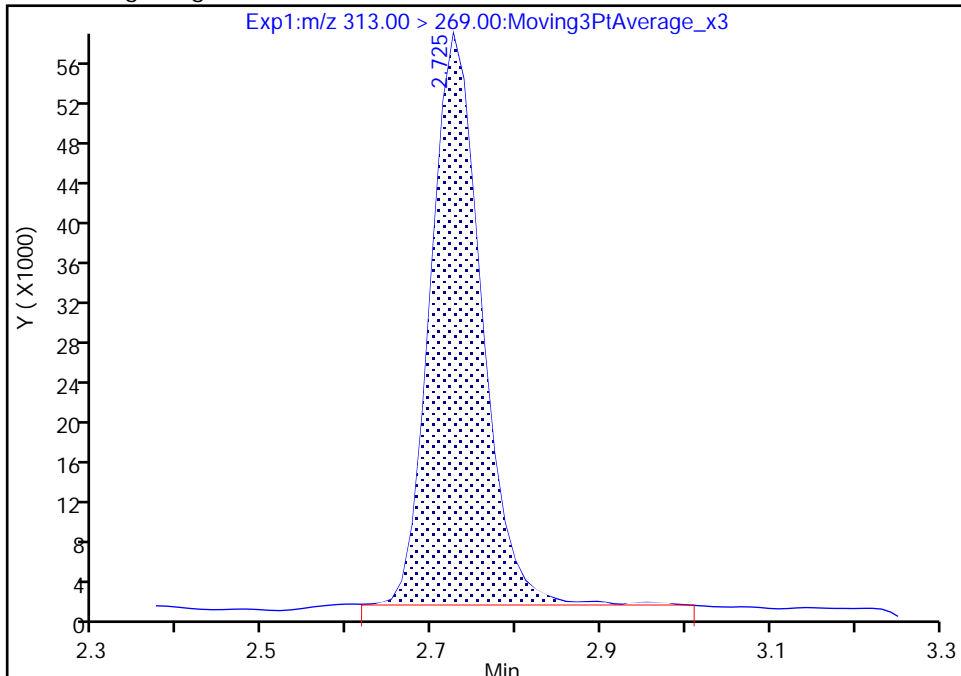
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A14.d
Injection Date: 02-Dec-2022 13:55:03 Instrument ID: LC812
Lims ID: 460-270065-A-1-A Lab Sample ID: 200-270065-1
Client ID: BCS-09-18_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul 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

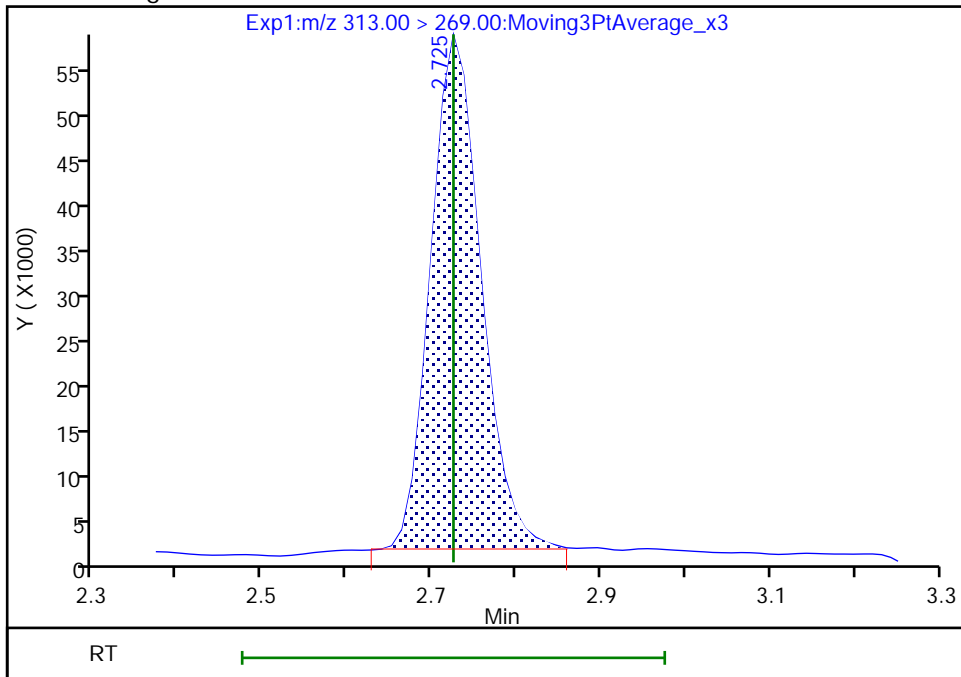
RT: 2.73
Area: 238683
Amount: 0.142486
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 234106
Amount: 0.139754
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:31:48
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

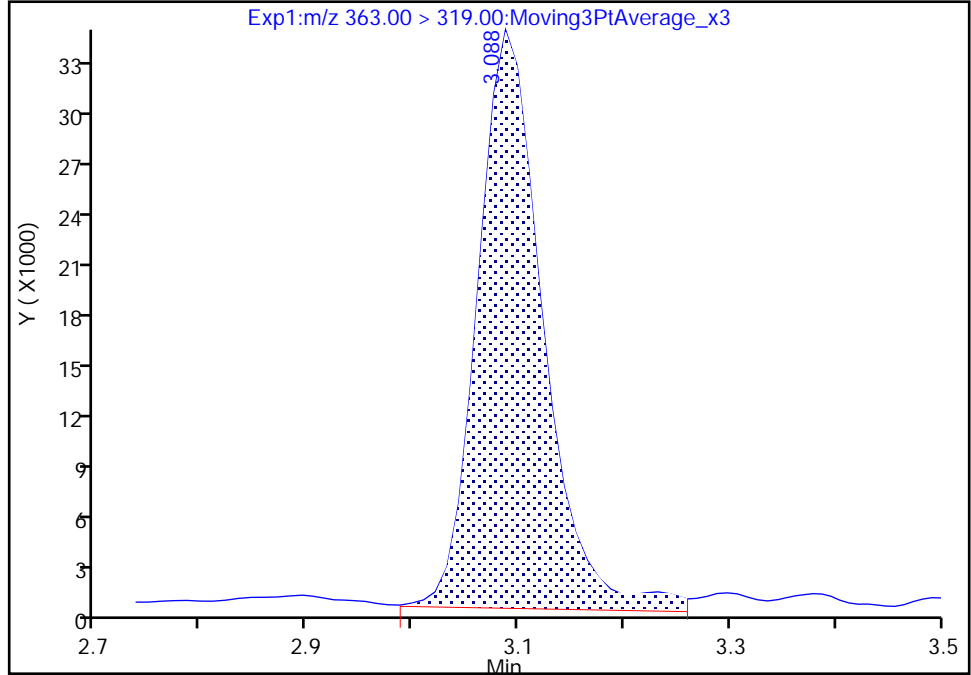
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A14.d
Injection Date: 02-Dec-2022 13:55:03 Instrument ID: LC812
Lims ID: 460-270065-A-1-A Lab Sample ID: 200-270065-1
Client ID: BCS-09-18_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul 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

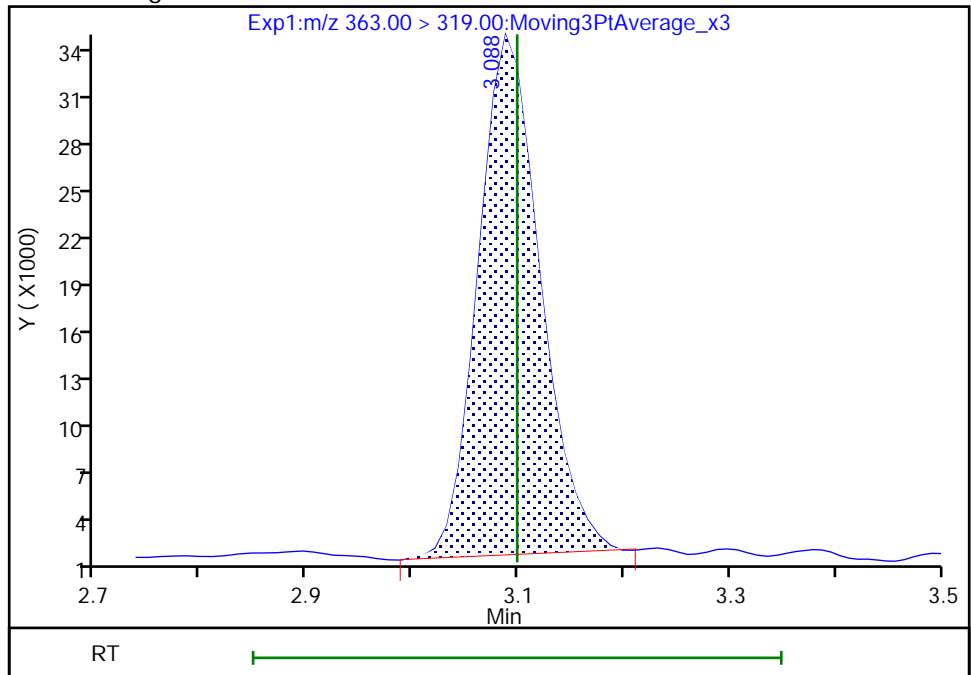
RT: 3.09
Area: 145855
Amount: 0.089278
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 136238
Amount: 0.083392
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:32:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

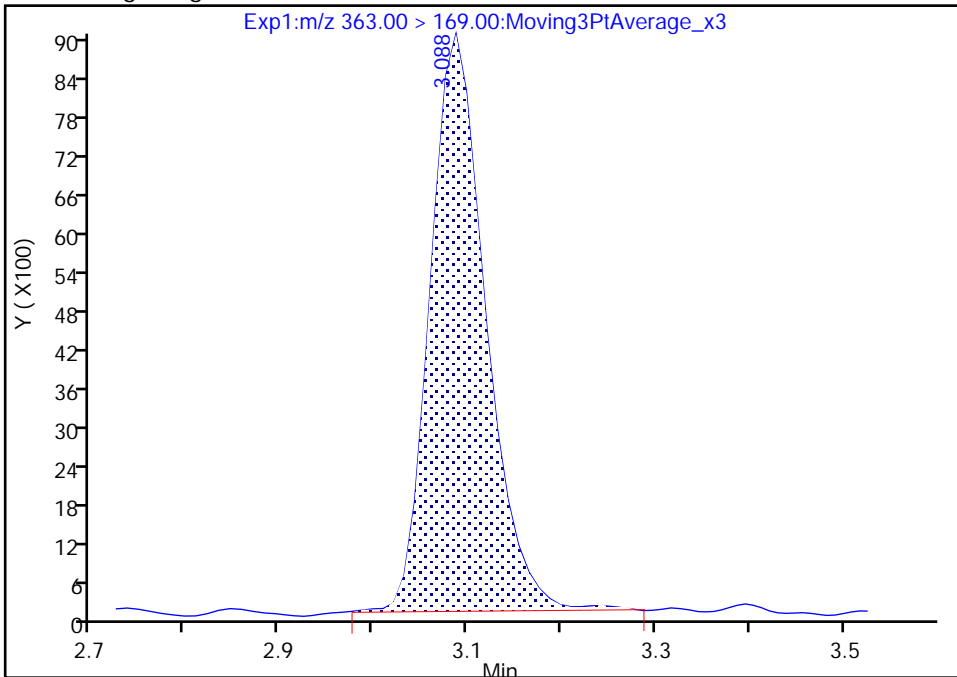
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A14.d
Injection Date: 02-Dec-2022 13:55:03 Instrument ID: LC812
Lims ID: 460-270065-A-1-A Lab Sample ID: 200-270065-1
Client ID: BCS-09-18_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul 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

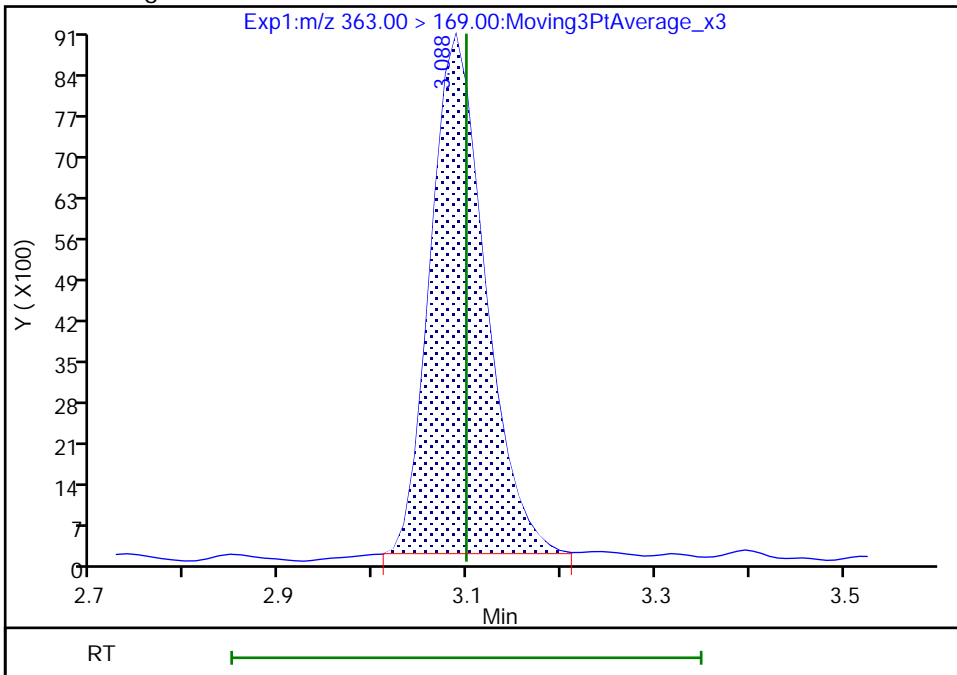
RT: 3.09
Area: 36907
Amount: 0.089278
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 35969
Amount: 0.083392
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

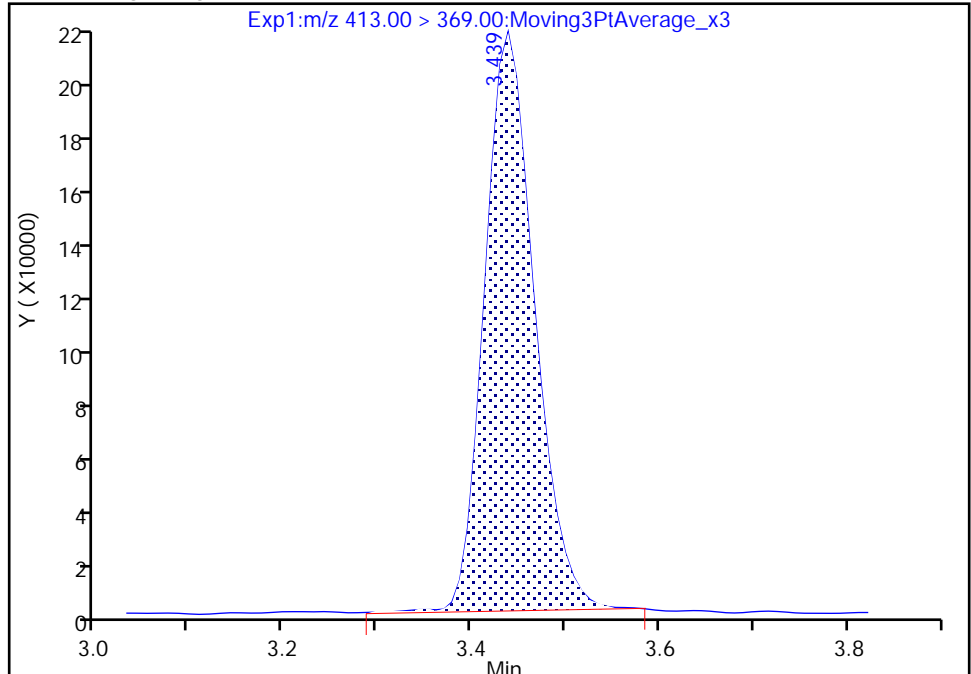
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A14.d
Injection Date: 02-Dec-2022 13:55:03 Instrument ID: LC812
Lims ID: 460-270065-A-1-A Lab Sample ID: 200-270065-1
Client ID: BCS-09-18_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul 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

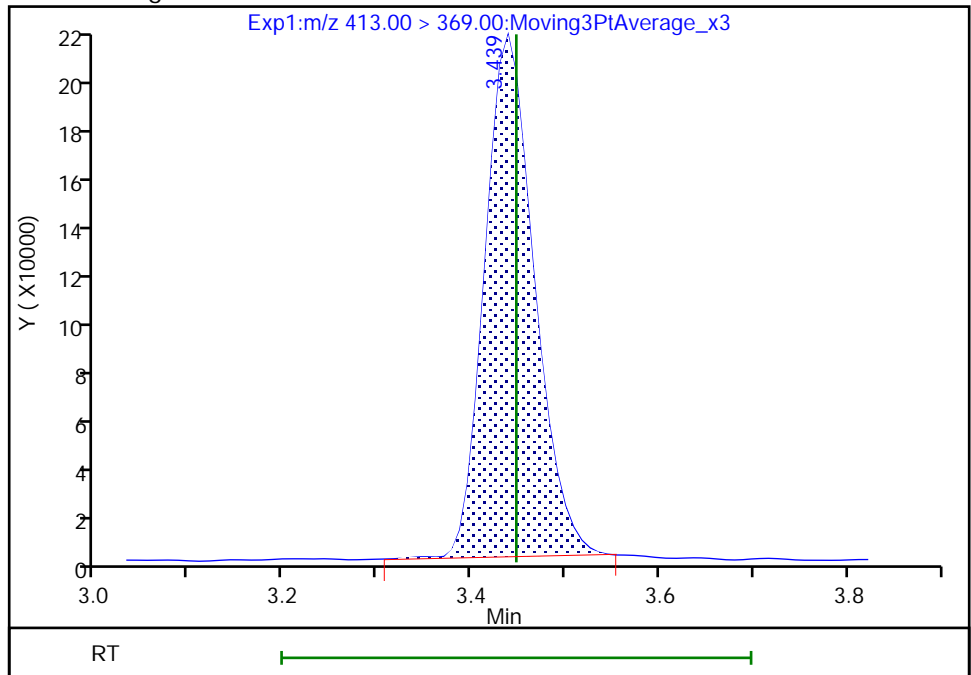
RT: 3.44
Area: 785158
Amount: 0.449659
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 778931
Amount: 0.446093
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:32:36
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

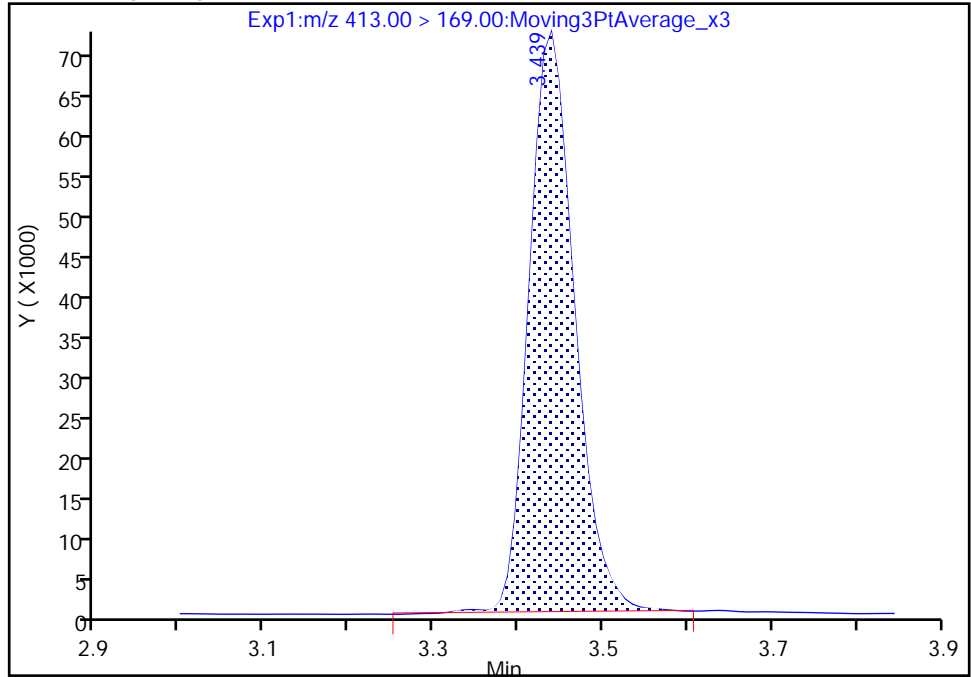
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A14.d
Injection Date: 02-Dec-2022 13:55:03 Instrument ID: LC812
Lims ID: 460-270065-A-1-A Lab Sample ID: 200-270065-1
Client ID: BCS-09-18_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul 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

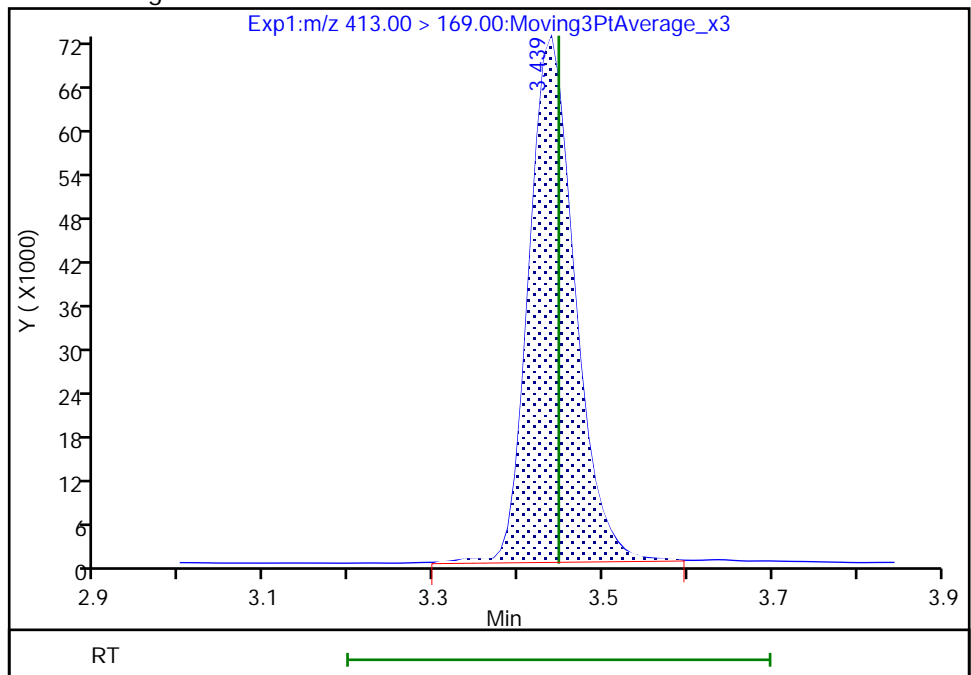
RT: 3.44
Area: 271932
Amount: 0.449659
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 271000
Amount: 0.446093
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:32:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

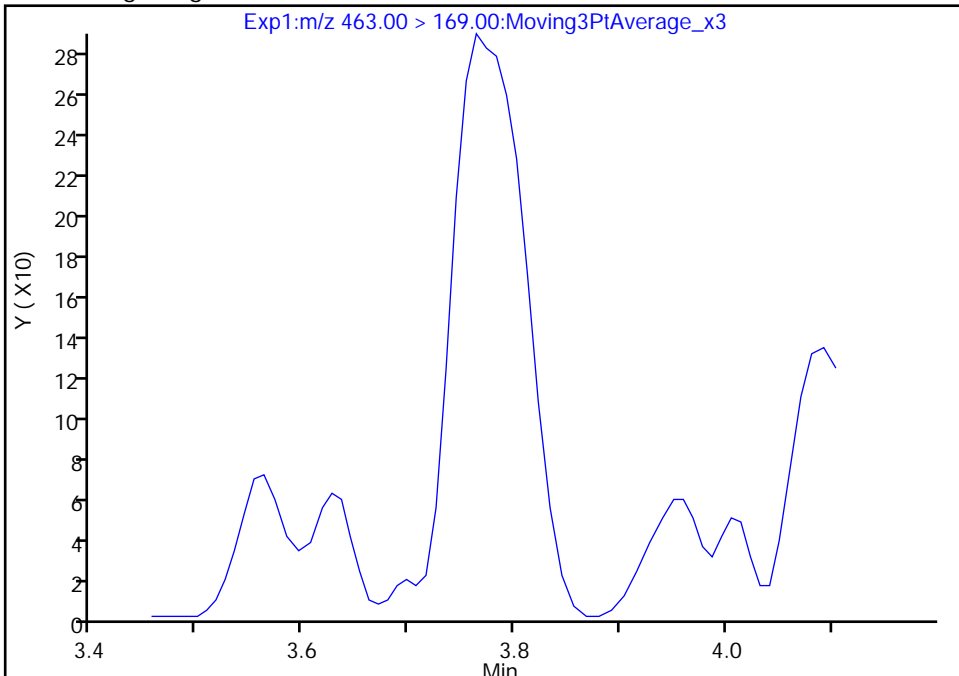
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A14.d
Injection Date: 02-Dec-2022 13:55:03 Instrument ID: LC812
Lims ID: 460-270065-A-1-A Lab Sample ID: 200-270065-1
Client ID: BCS-09-18_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul 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

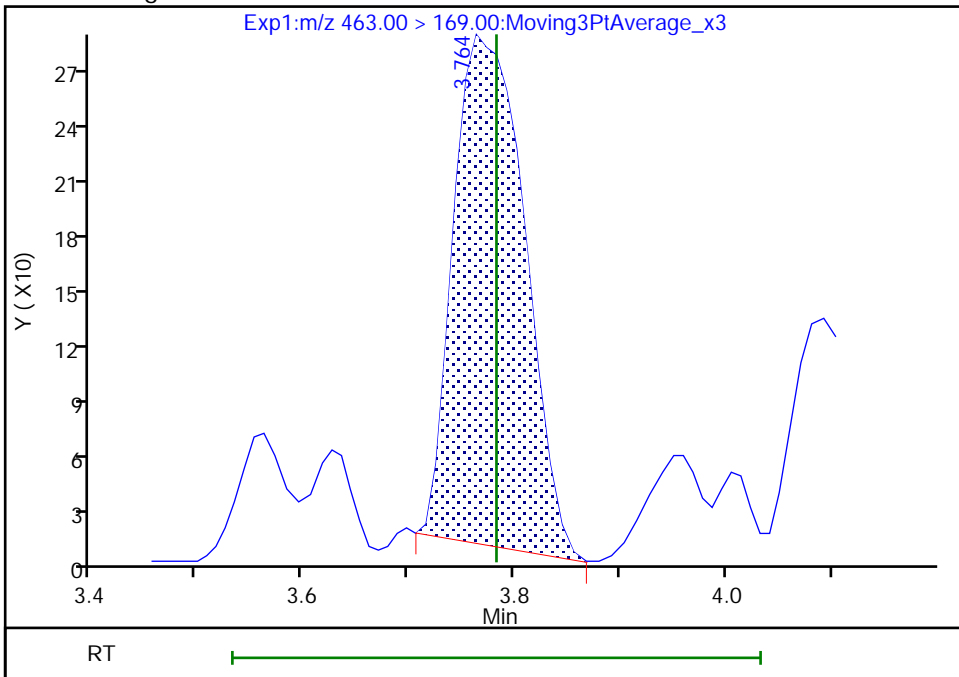
Not Detected
Expected RT: 3.78

Processing Integration Results



Manual Integration Results

RT: 3.76
Area: 1285
Amount: 0.008819
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 12:33:24
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

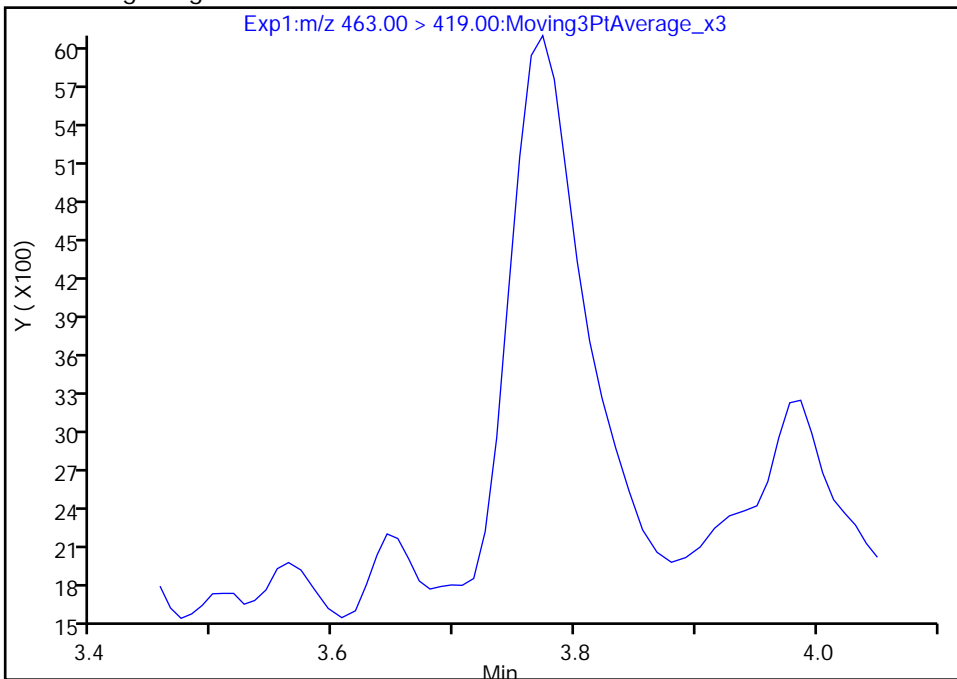
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A14.d
Injection Date: 02-Dec-2022 13:55:03 Instrument ID: LC812
Lims ID: 460-270065-A-1-A Lab Sample ID: 200-270065-1
Client ID: BCS-09-18_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul 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

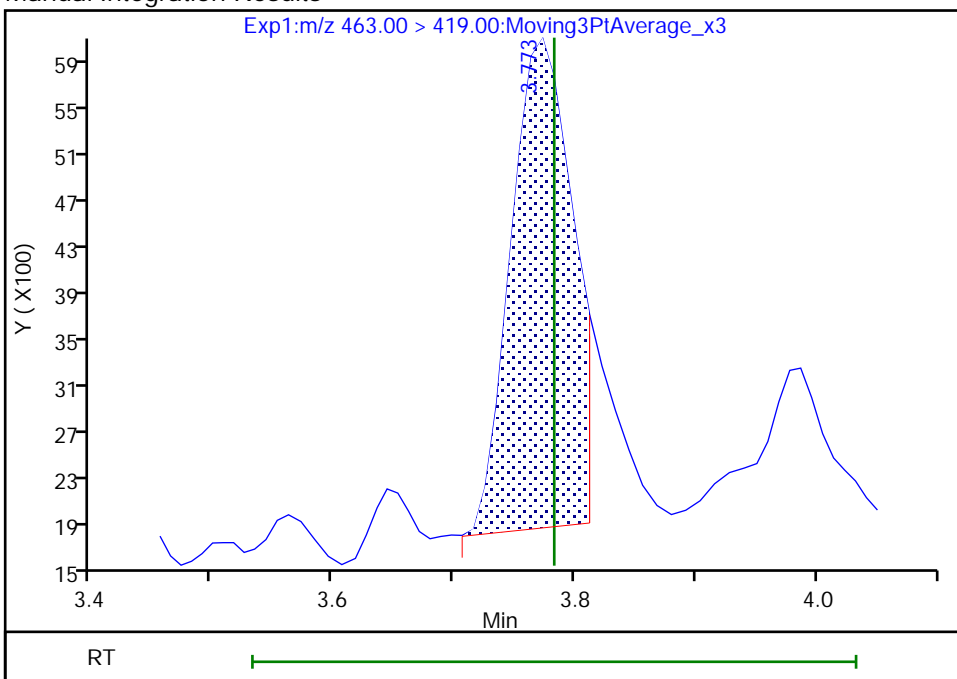
Not Detected
Expected RT: 3.78

Processing Integration Results



Manual Integration Results

RT: 3.77
Area: 14375
Amount: 0.008819
Amount Units: ng/ml



Eurofins Burlington

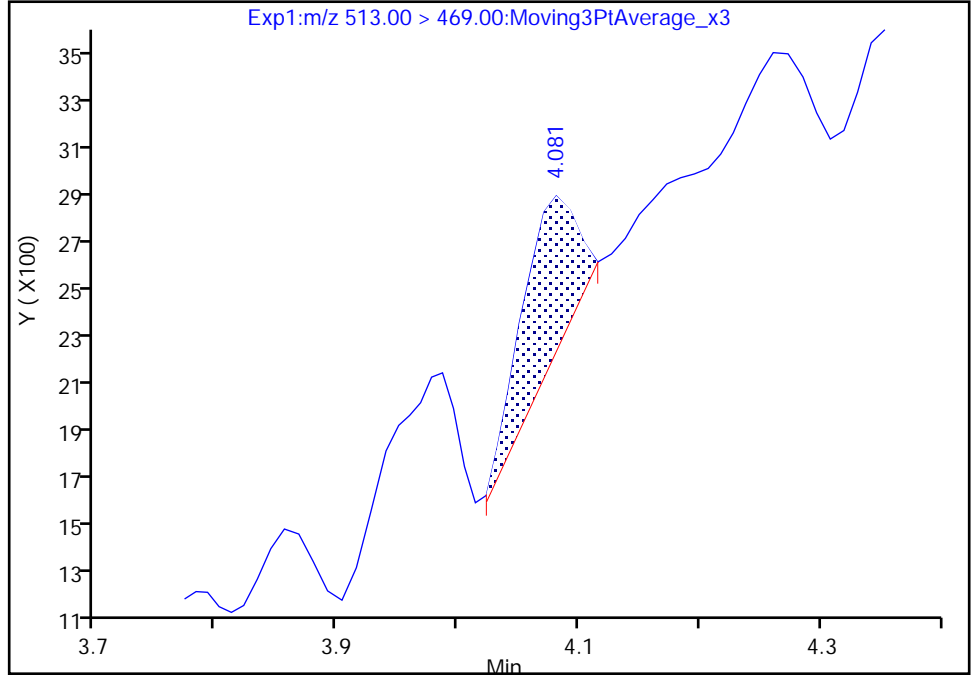
Data File:	\\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A14.d		
Injection Date:	02-Dec-2022 13:55:03	Instrument ID:	LC812
Lims ID:	460-270065-A-1-A	Lab Sample ID:	200-270065-1
Client ID:	BCS-09-18_(11-11.5)P		
Operator ID:	lc812tech	ALS Bottle#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	14

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

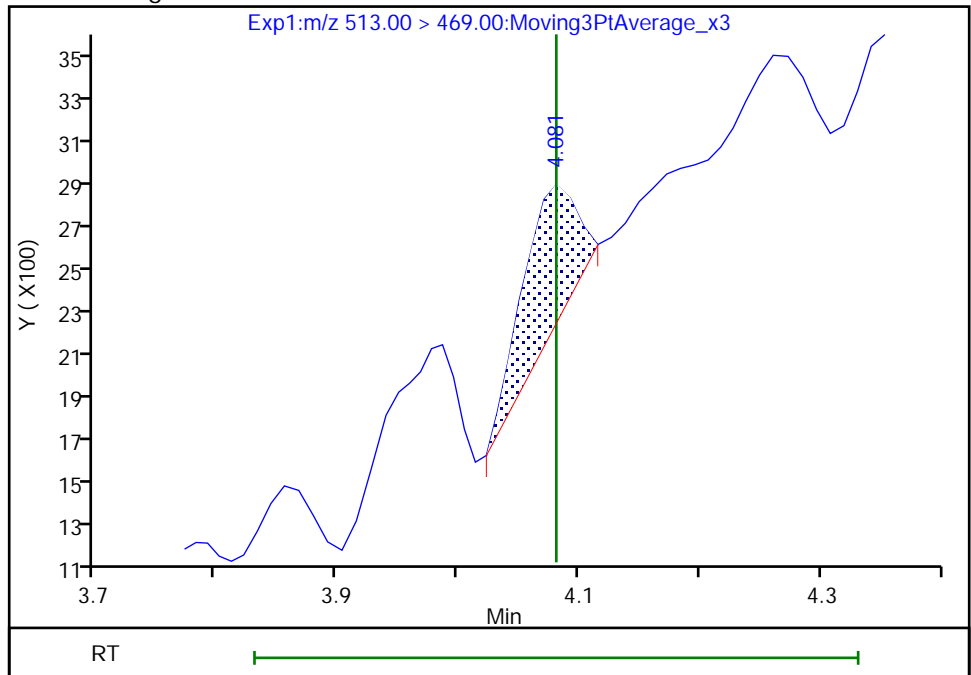
RT: 4.08
 Area: 2163
 Amount: 0.001138
 Amount Units: ng/ml

Processing Integration Results



RT: 4.08
 Area: 2077
 Amount: 0.001093
 Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:33:41
 Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

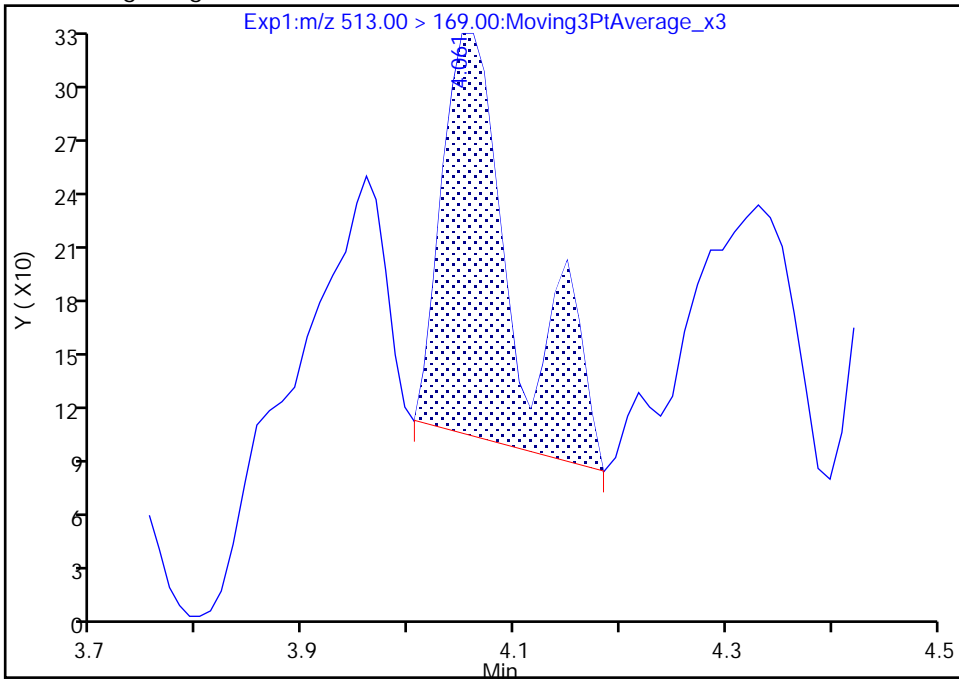
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A14.d
Injection Date: 02-Dec-2022 13:55:03 Instrument ID: LC812
Lims ID: 460-270065-A-1-A Lab Sample ID: 200-270065-1
Client ID: BCS-09-18_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul 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

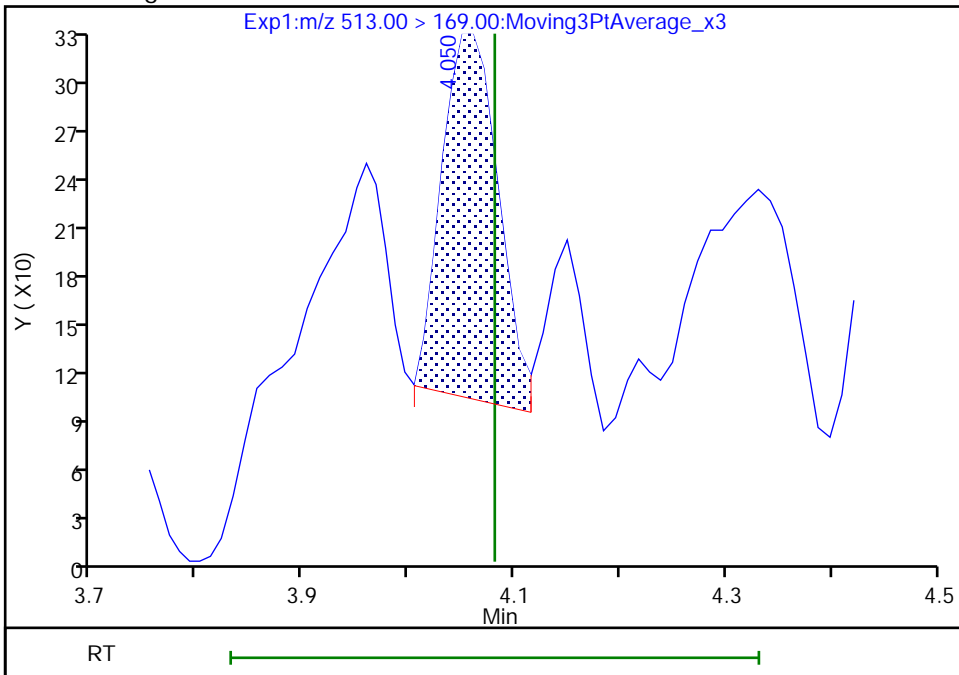
RT: 4.06
Area: 1090
Amount: 0.001138
Amount Units: ng/ml

Processing Integration Results



RT: 4.05
Area: 826
Amount: 0.001093
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Dec-2022 12:33:45

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

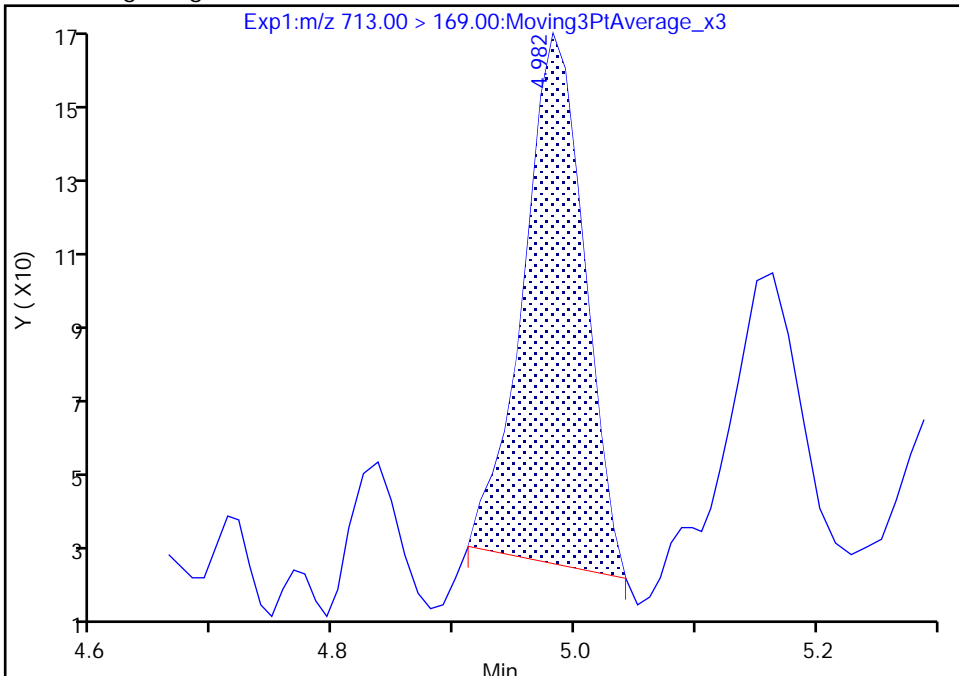
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A14.d
Injection Date: 02-Dec-2022 13:55:03 Instrument ID: LC812
Lims ID: 460-270065-A-1-A Lab Sample ID: 200-270065-1
Client ID: BCS-09-18_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul 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

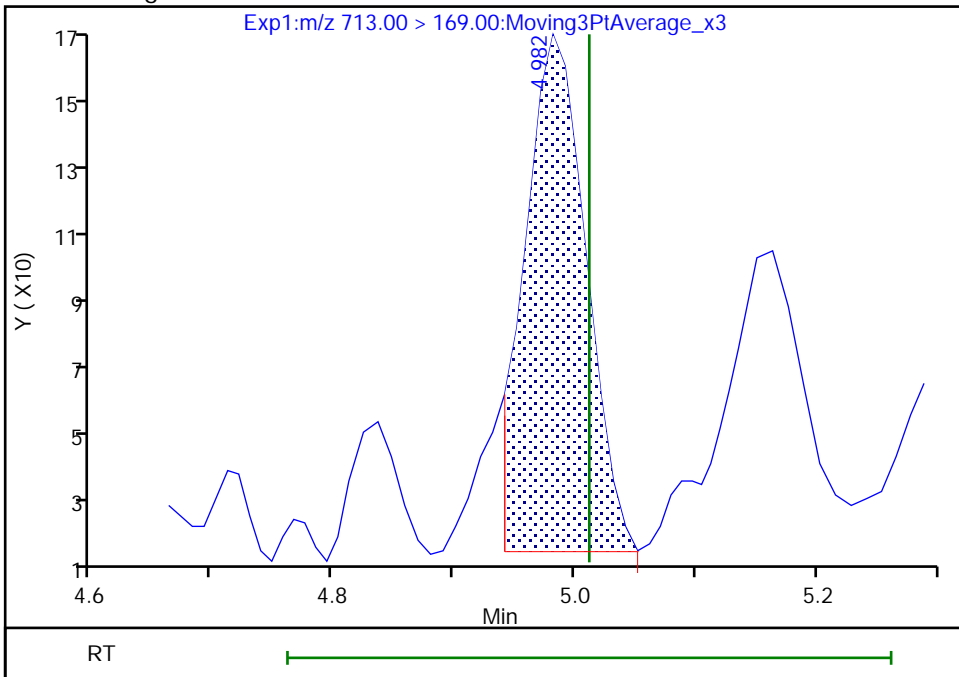
RT: 4.98
Area: 482
Amount: 0.002513
Amount Units: ng/ml

Processing Integration Results



RT: 4.98
Area: 515
Amount: 0.002685
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:35:09
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

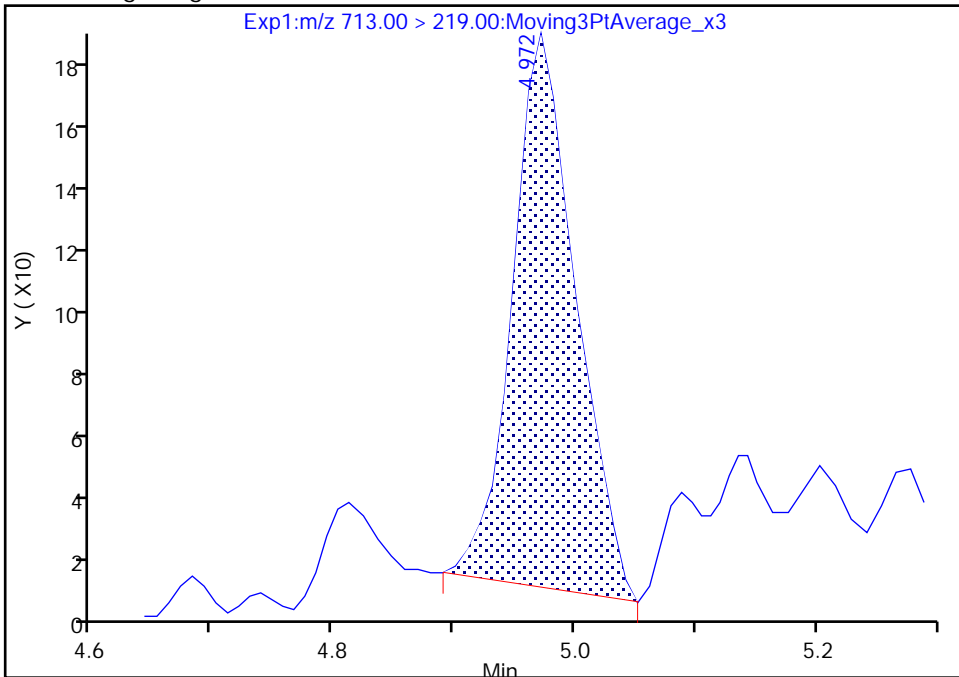
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A14.d
Injection Date: 02-Dec-2022 13:55:03 Instrument ID: LC812
Lims ID: 460-270065-A-1-A Lab Sample ID: 200-270065-1
Client ID: BCS-09-18_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul 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

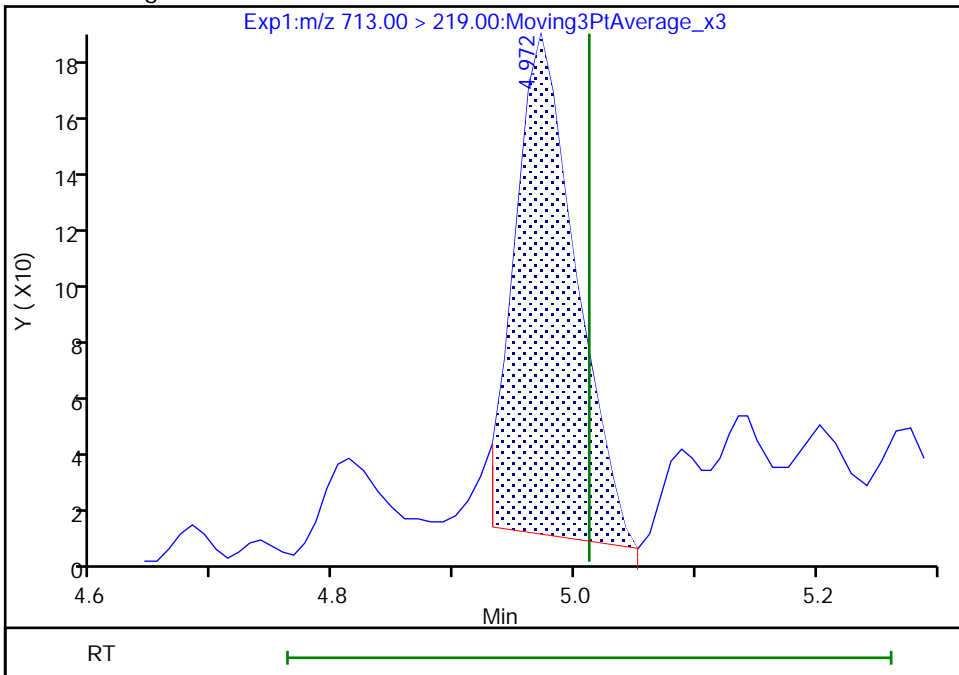
RT: 4.97
Area: 605
Amount: 0.002513
Amount Units: ng/ml

Processing Integration Results



RT: 4.97
Area: 579
Amount: 0.002685
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Dec-2022 12:35:12

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

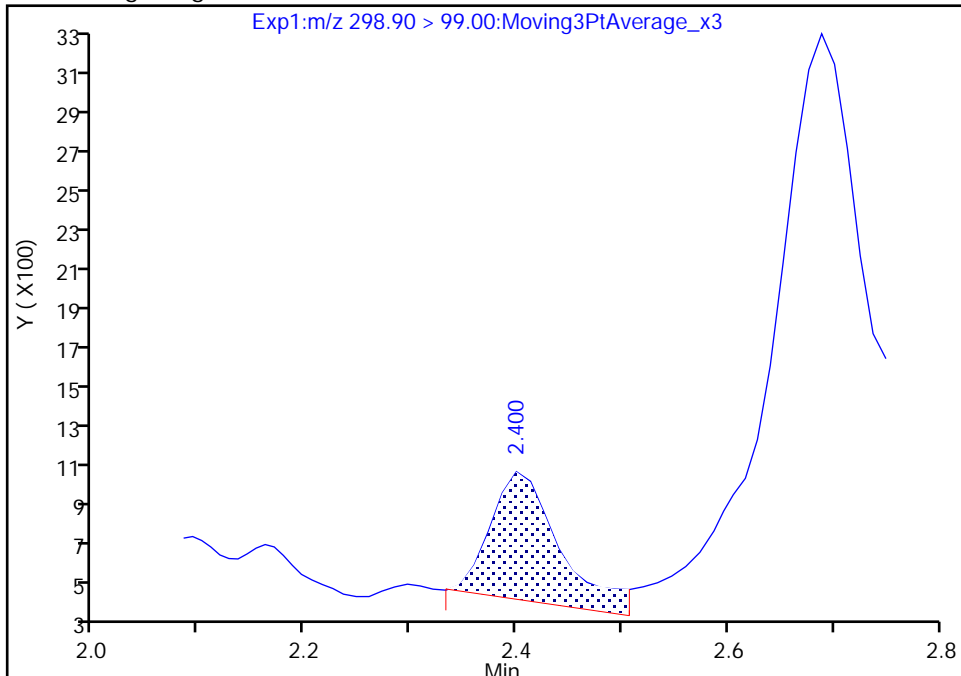
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A14.d
Injection Date: 02-Dec-2022 13:55:03 Instrument ID: LC812
Lims ID: 460-270065-A-1-A Lab Sample ID: 200-270065-1
Client ID: BCS-09-18_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul 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

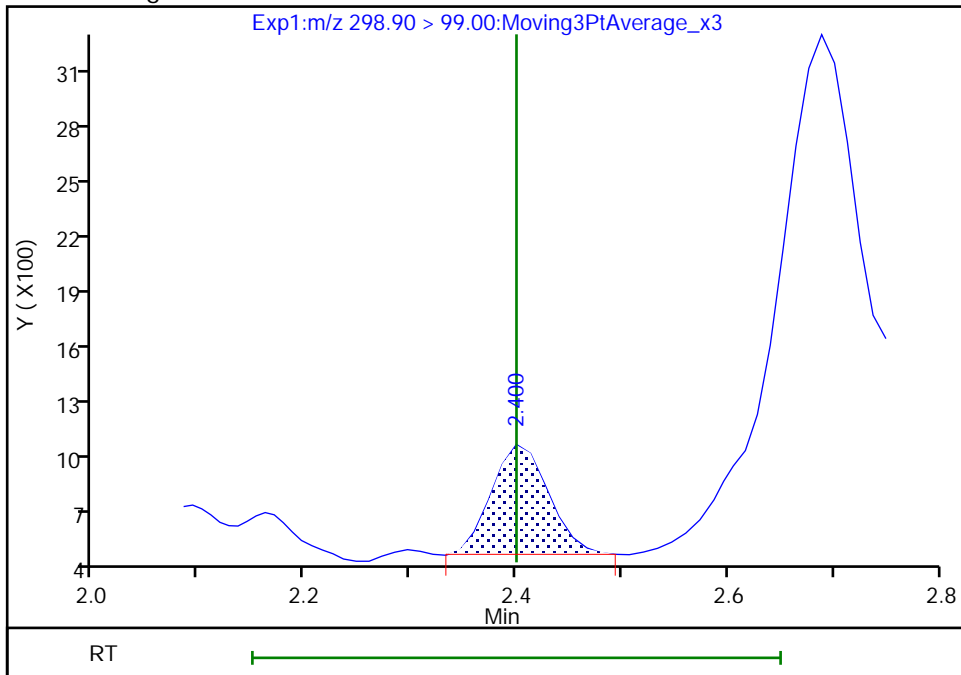
RT: 2.40
Area: 2932
Amount: 0.001463
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 2223
Amount: 0.001916
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:31:39
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

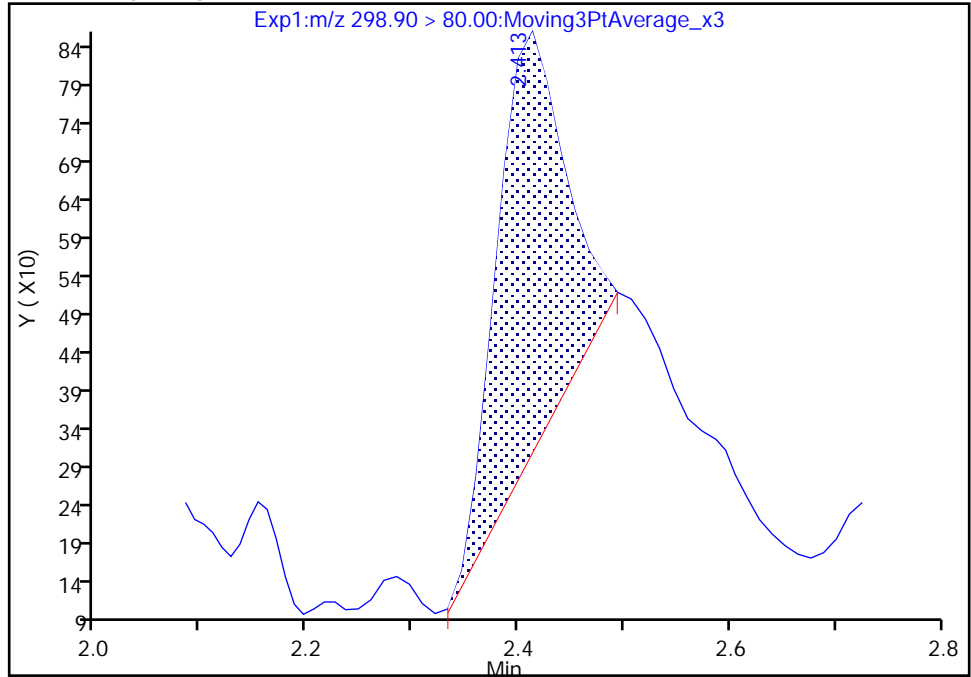
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A14.d
Injection Date: 02-Dec-2022 13:55:03 Instrument ID: LC812
Lims ID: 460-270065-A-1-A Lab Sample ID: 200-270065-1
Client ID: BCS-09-18_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul 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

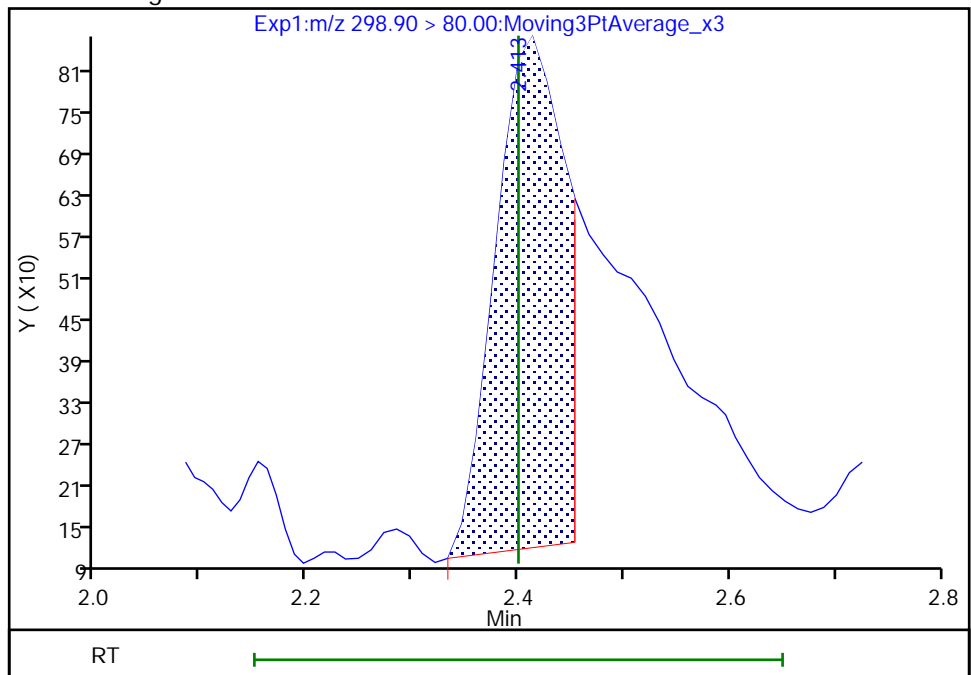
RT: 2.41
Area: 2475
Amount: 0.001463
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 3241
Amount: 0.001916
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:31:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

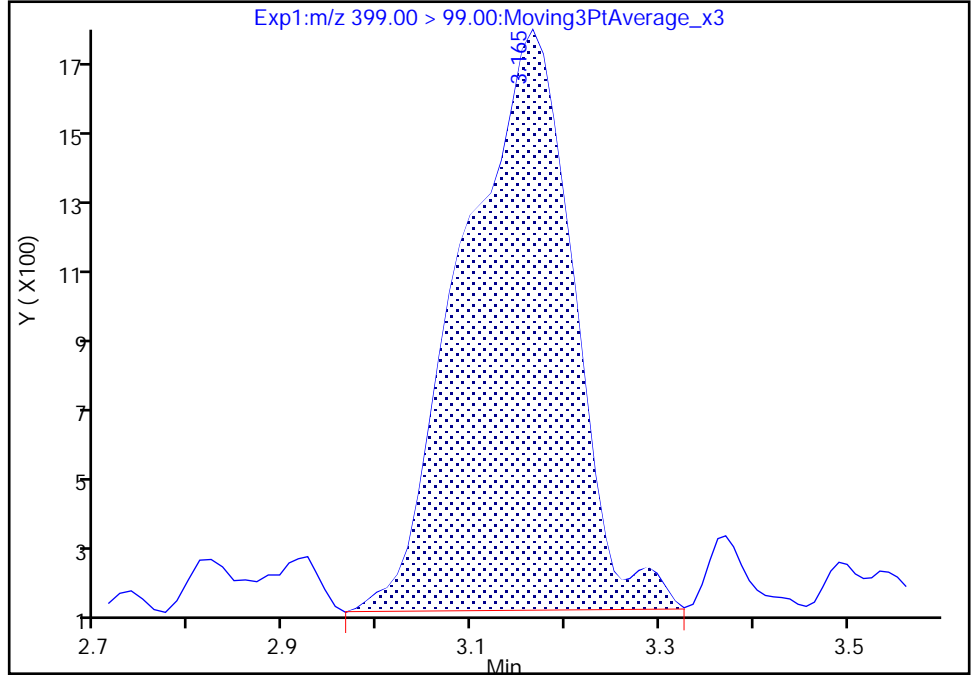
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A14.d
Injection Date: 02-Dec-2022 13:55:03 Instrument ID: LC812
Lims ID: 460-270065-A-1-A Lab Sample ID: 200-270065-1
Client ID: BCS-09-18_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul 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

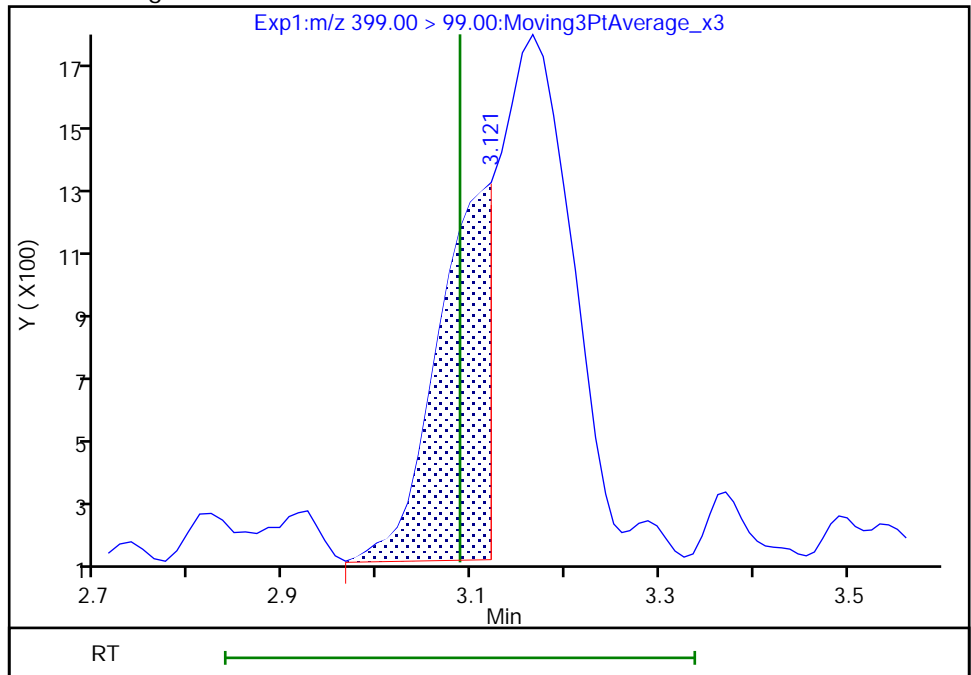
RT: 3.17
Area: 13420
Amount: 0.008911
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 4542
Amount: 0.008299
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:31:59
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

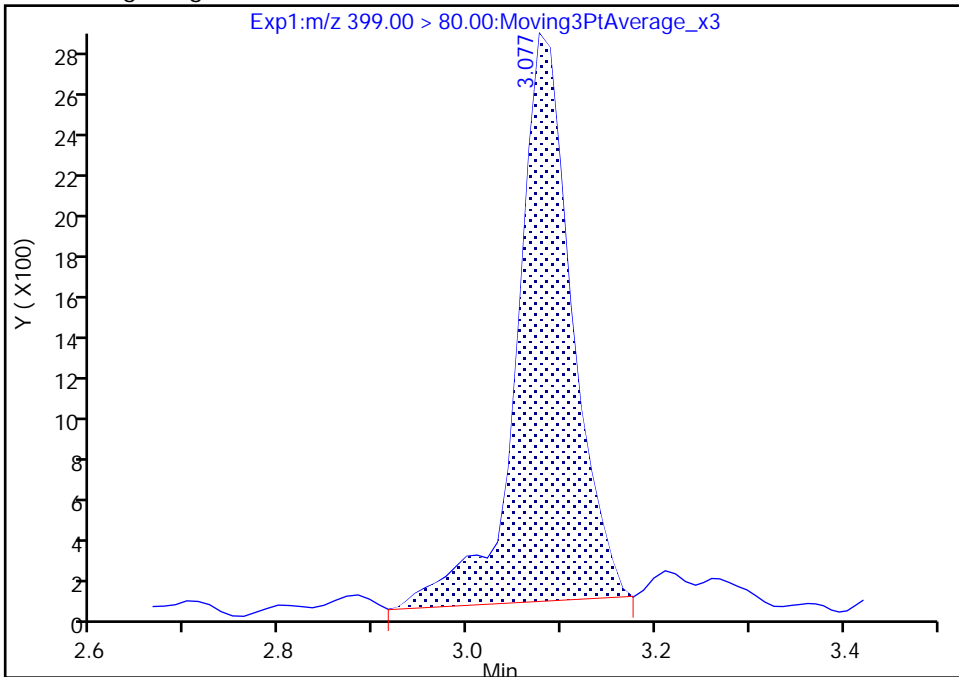
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A14.d
Injection Date: 02-Dec-2022 13:55:03 Instrument ID: LC812
Lims ID: 460-270065-A-1-A Lab Sample ID: 200-270065-1
Client ID: BCS-09-18_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul 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

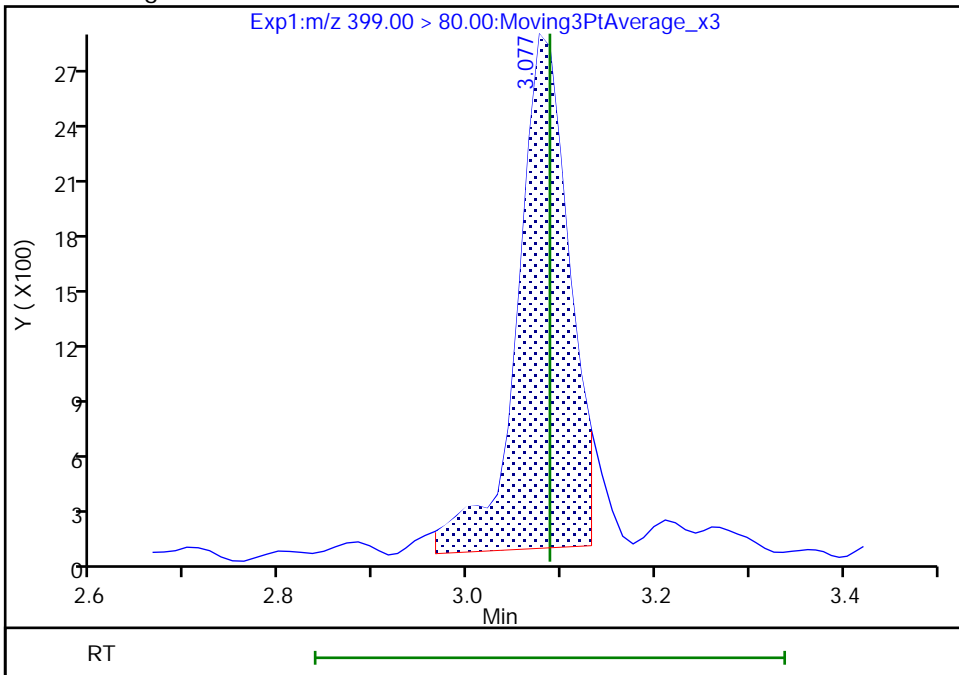
RT: 3.08
Area: 11460
Amount: 0.008911
Amount Units: ng/ml

Processing Integration Results



RT: 3.08
Area: 10674
Amount: 0.008299
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Dec-2022 12:32:06

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

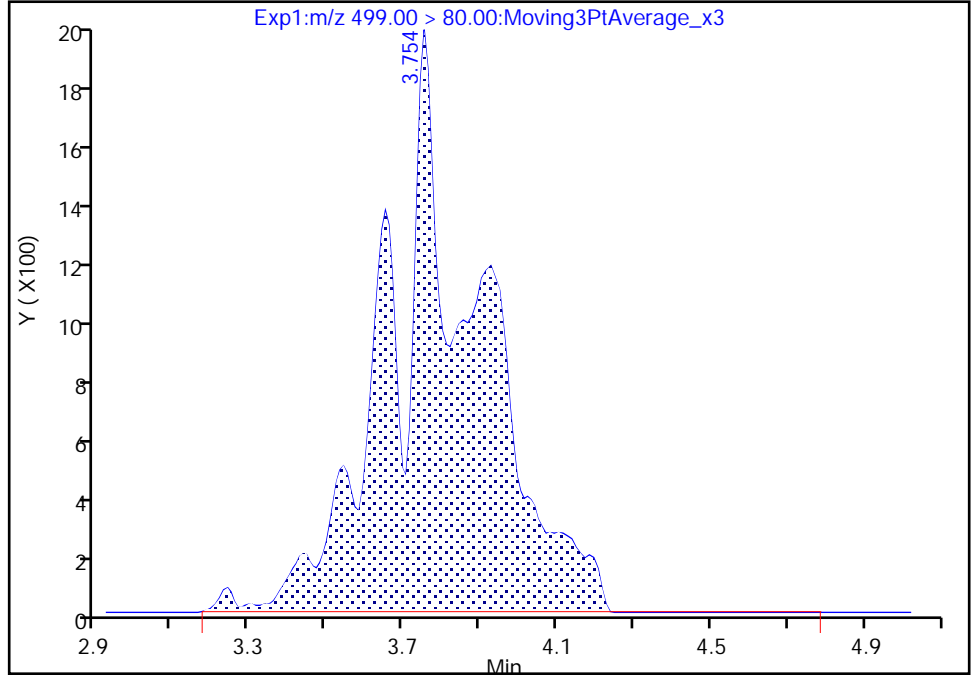
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A14.d
Injection Date: 02-Dec-2022 13:55:03 Instrument ID: LC812
Lims ID: 460-270065-A-1-A Lab Sample ID: 200-270065-1
Client ID: BCS-09-18_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul 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

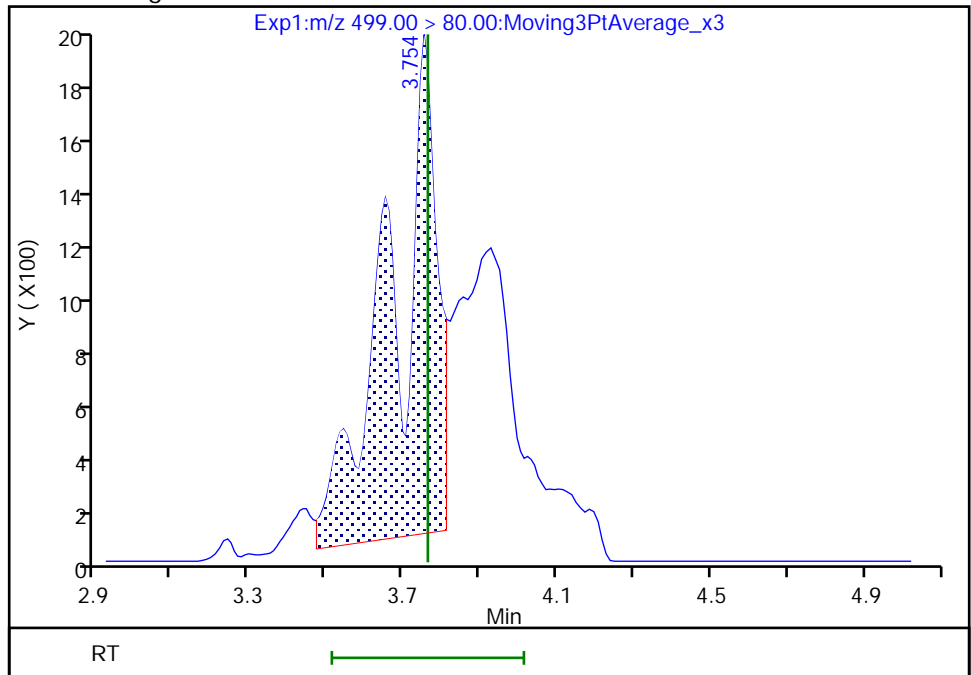
RT: 3.75
Area: 32527
Amount: 0.035966
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 15208
Amount: 0.016816
Amount Units: ng/ml

Manual Integration Results



Reviewer: SJ4N, 05-Dec-2022 11:20:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

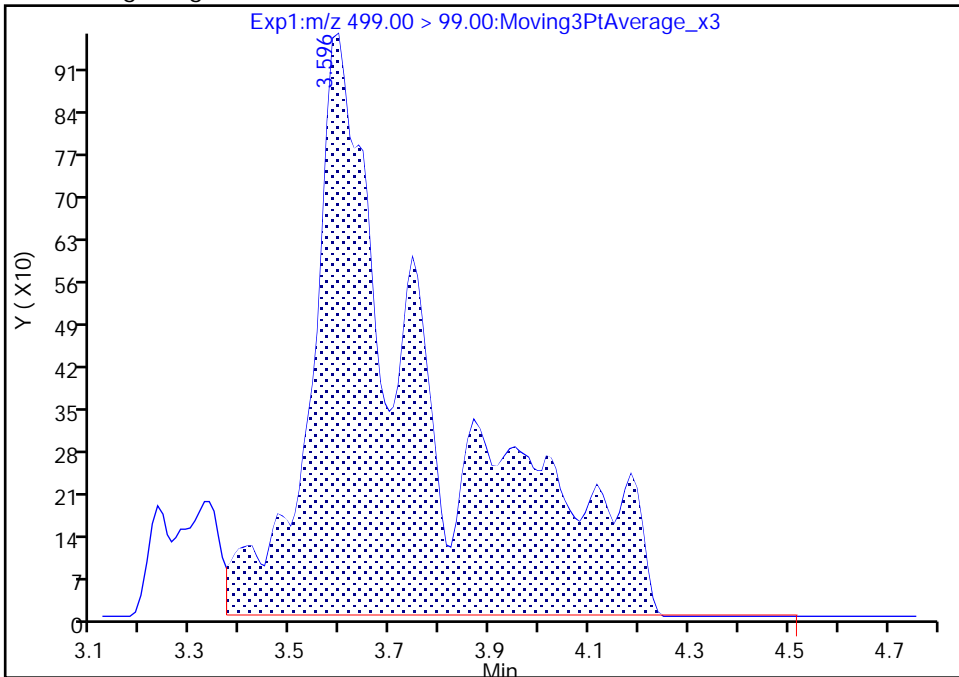
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A14.d
Injection Date: 02-Dec-2022 13:55:03 Instrument ID: LC812
Lims ID: 460-270065-A-1-A Lab Sample ID: 200-270065-1
Client ID: BCS-09-18_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul 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

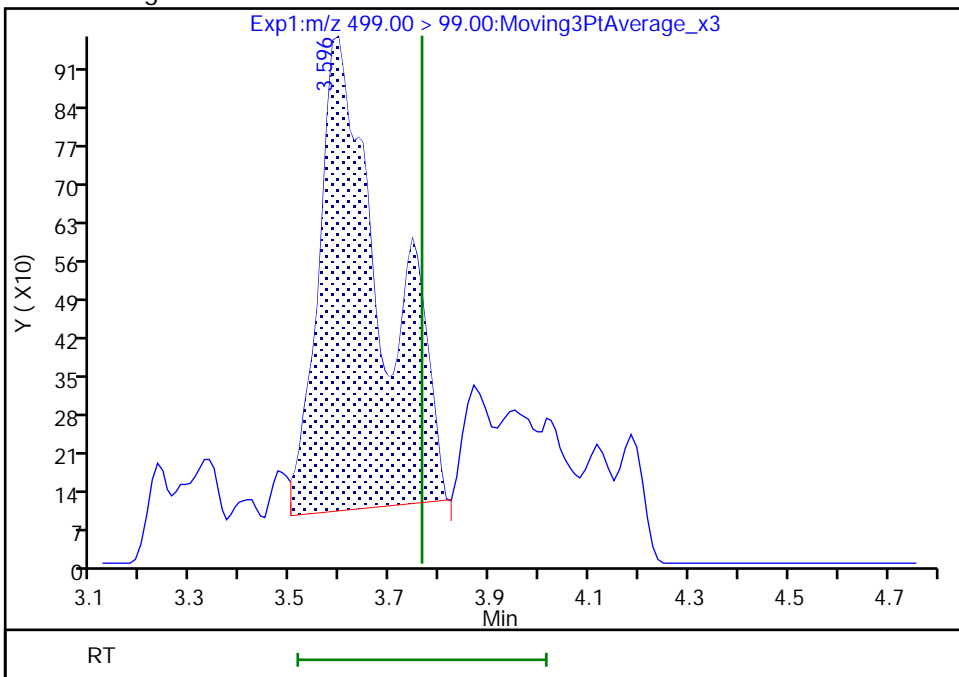
RT: 3.60
Area: 16152
Amount: 0.035966
Amount Units: ng/ml

Processing Integration Results



RT: 3.60
Area: 7858
Amount: 0.016816
Amount Units: ng/ml

Manual Integration Results



Reviewer: SJ4N, 05-Dec-2022 11:20:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

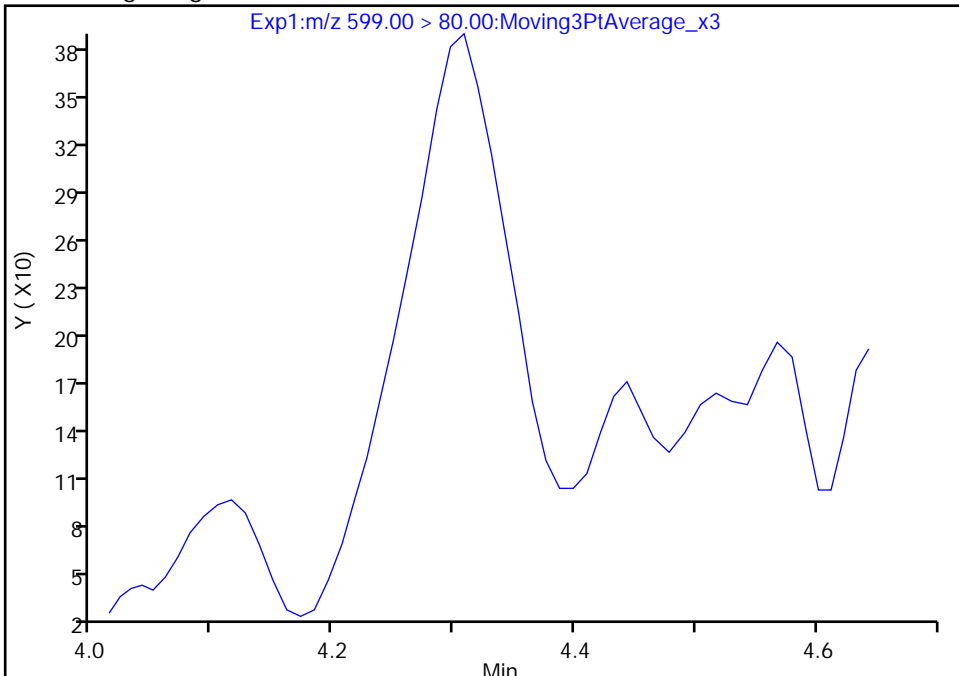
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A14.d
Injection Date: 02-Dec-2022 13:55:03 Instrument ID: LC812
Lims ID: 460-270065-A-1-A Lab Sample ID: 200-270065-1
Client ID: BCS-09-18_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul 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

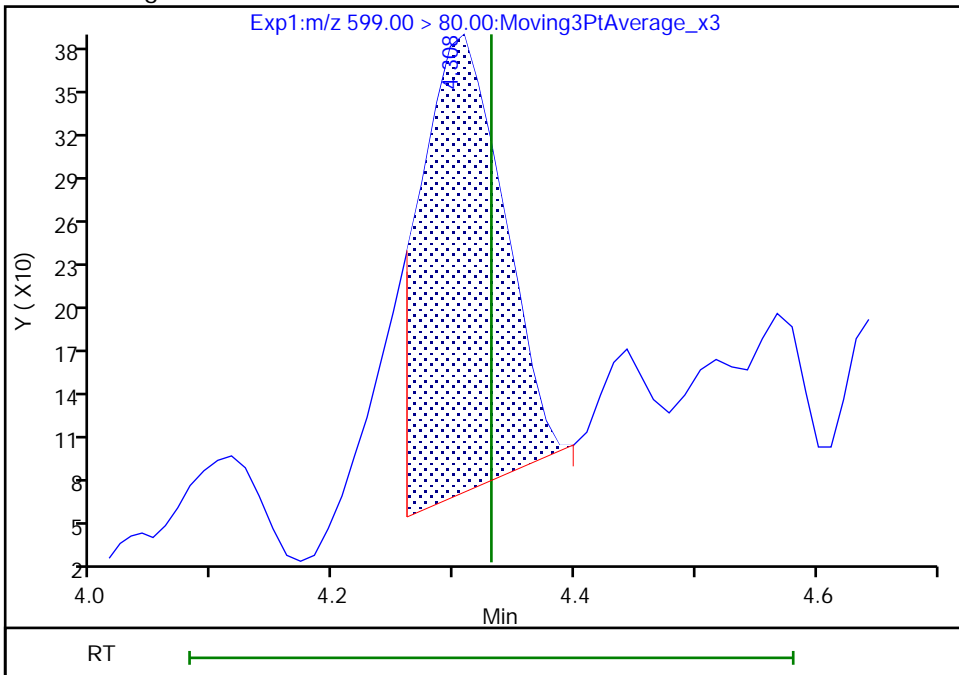
Not Detected
Expected RT: 4.33

Processing Integration Results



Manual Integration Results

RT: 4.31
Area: 1438
Amount: 0.002668
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 12:34:33
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

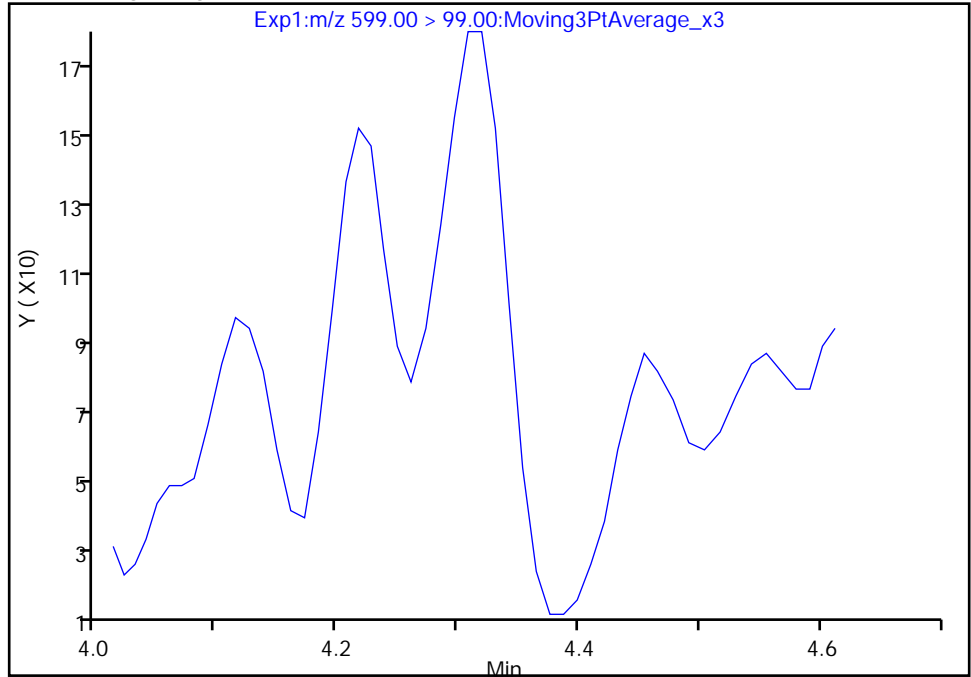
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A14.d
Injection Date: 02-Dec-2022 13:55:03 Instrument ID: LC812
Lims ID: 460-270065-A-1-A Lab Sample ID: 200-270065-1
Client ID: BCS-09-18_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul 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

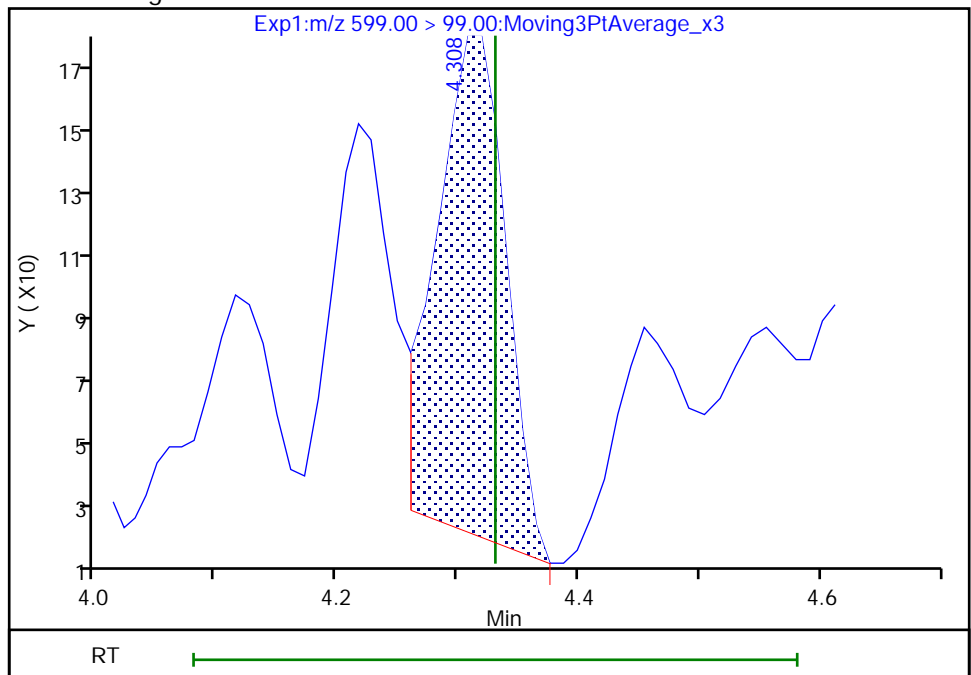
Not Detected
Expected RT: 4.33

Processing Integration Results



Manual Integration Results

RT: 4.31
Area: 606
Amount: 0.002668
Amount Units: ng/ml



Reviewer: nampitkw, 05-Dec-2022 12:34:36

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 64 of 939

Eurofins Burlington

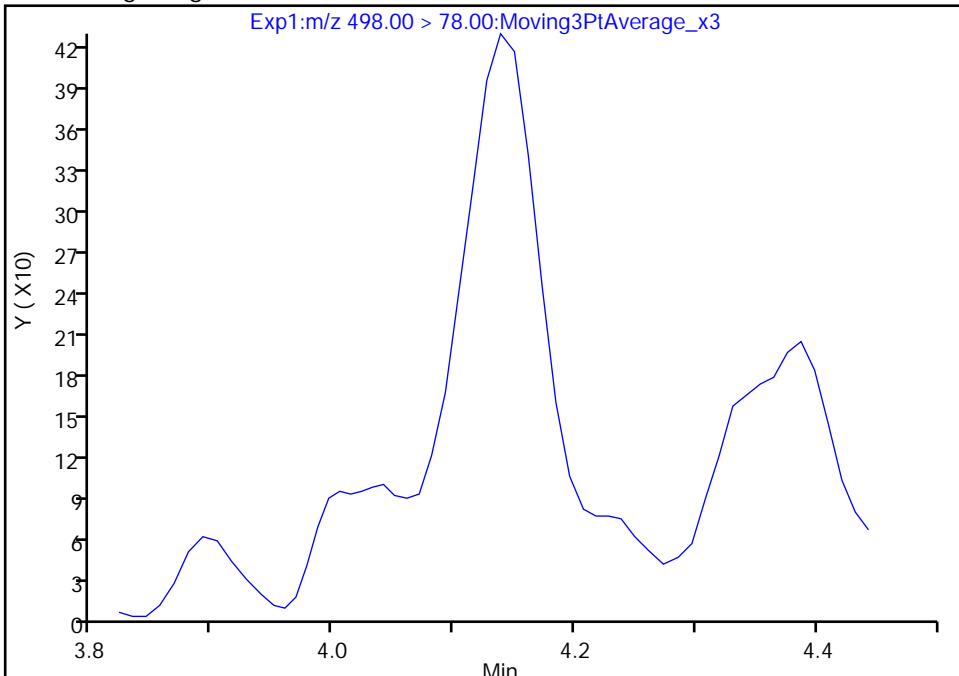
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A14.d
Injection Date: 02-Dec-2022 13:55:03 Instrument ID: LC812
Lims ID: 460-270065-A-1-A Lab Sample ID: 200-270065-1
Client ID: BCS-09-18_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul 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

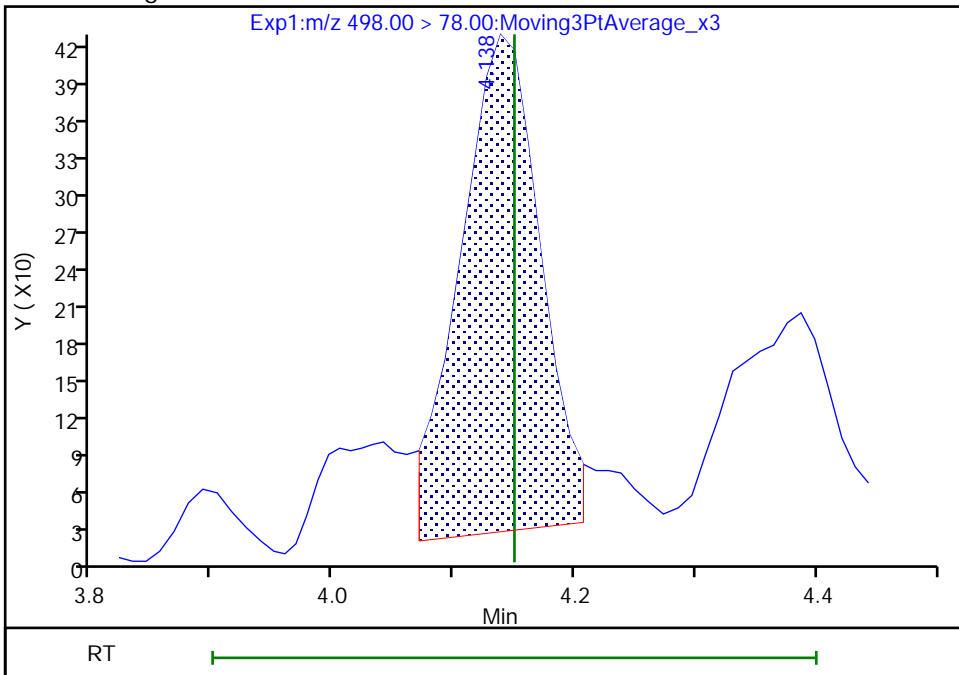
Not Detected
Expected RT: 4.15

Processing Integration Results



Manual Integration Results

RT: 4.14
Area: 1837
Amount: 0.001383
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 12:34:14
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

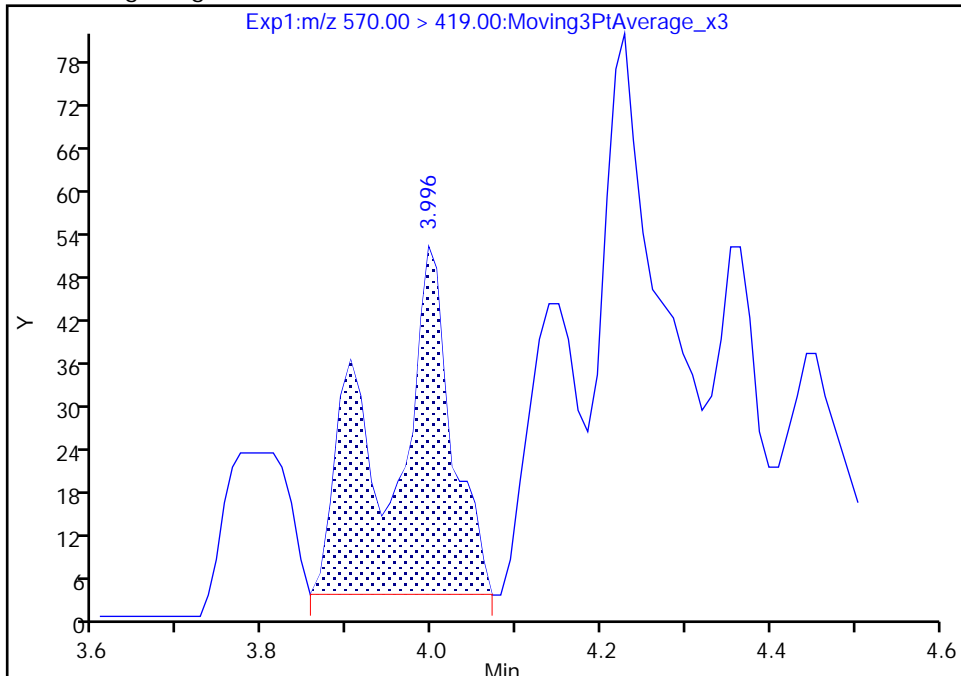
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A14.d
Injection Date: 02-Dec-2022 13:55:03 Instrument ID: LC812
Lims ID: 460-270065-A-1-A Lab Sample ID: 200-270065-1
Client ID: BCS-09-18_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul 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

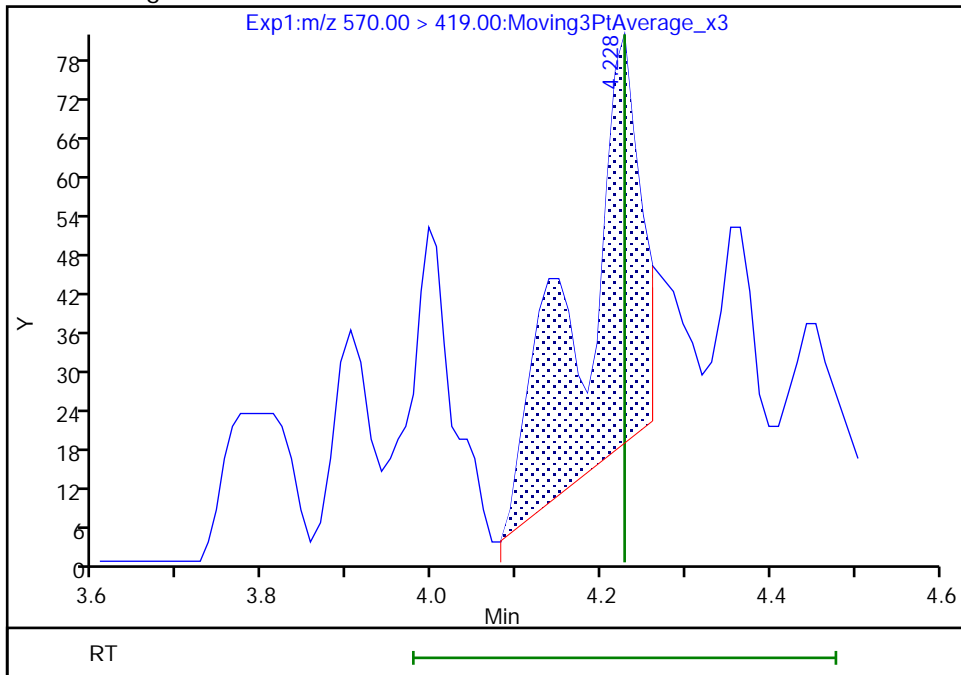
RT: 4.00
Area: 261
Amount: -0.010631
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 313
Amount: -0.010432
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:34:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

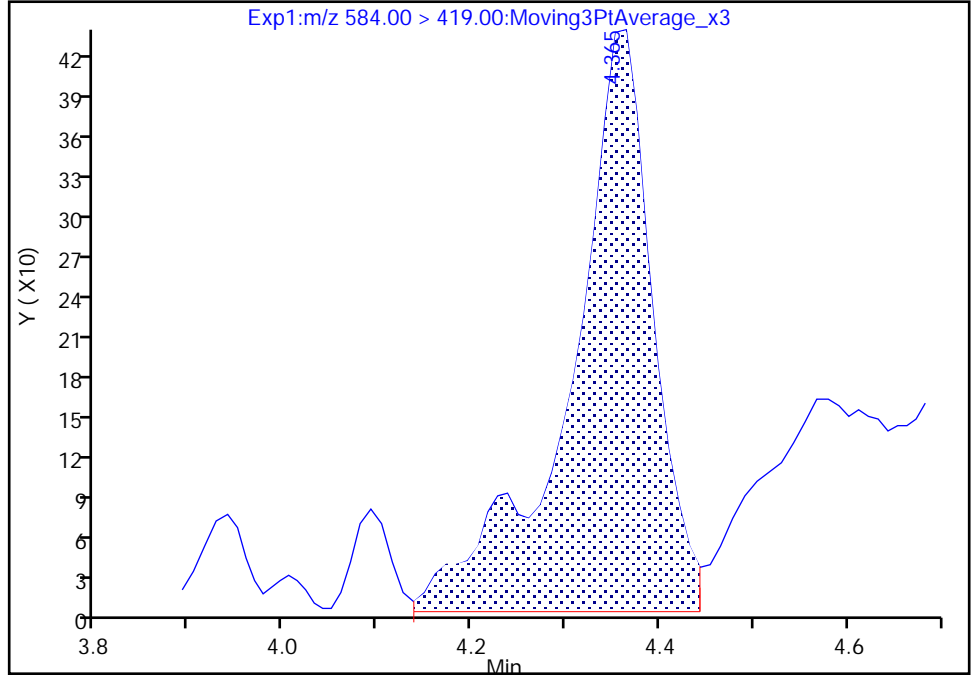
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A14.d
Injection Date: 02-Dec-2022 13:55:03 Instrument ID: LC812
Lims ID: 460-270065-A-1-A Lab Sample ID: 200-270065-1
Client ID: BCS-09-18_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul 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

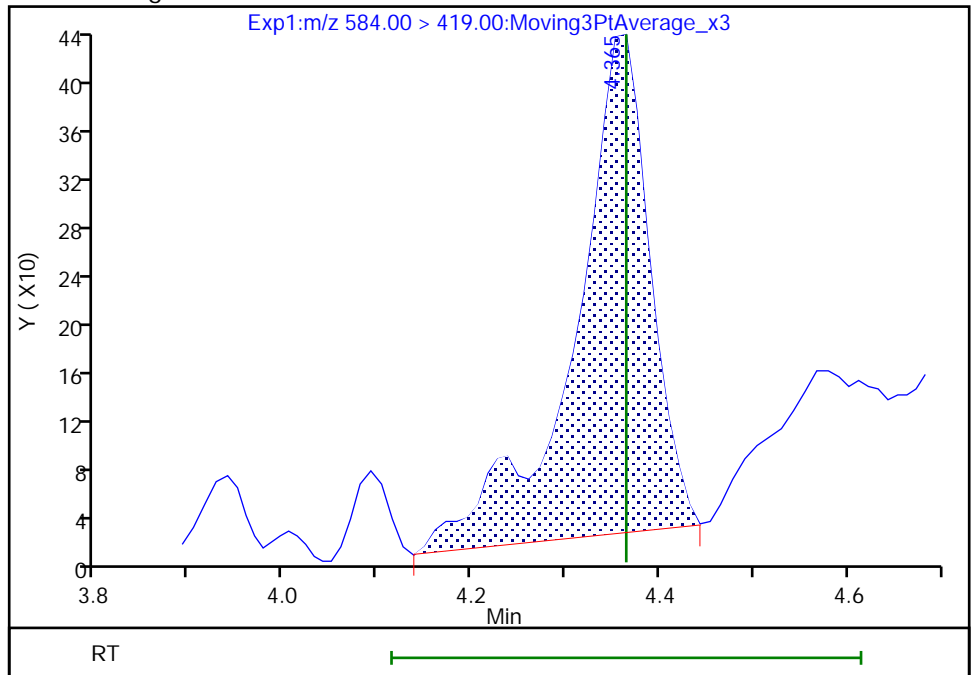
RT: 4.36
Area: 2695
Amount: 0.008835
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 2311
Amount: 0.007576
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:34:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

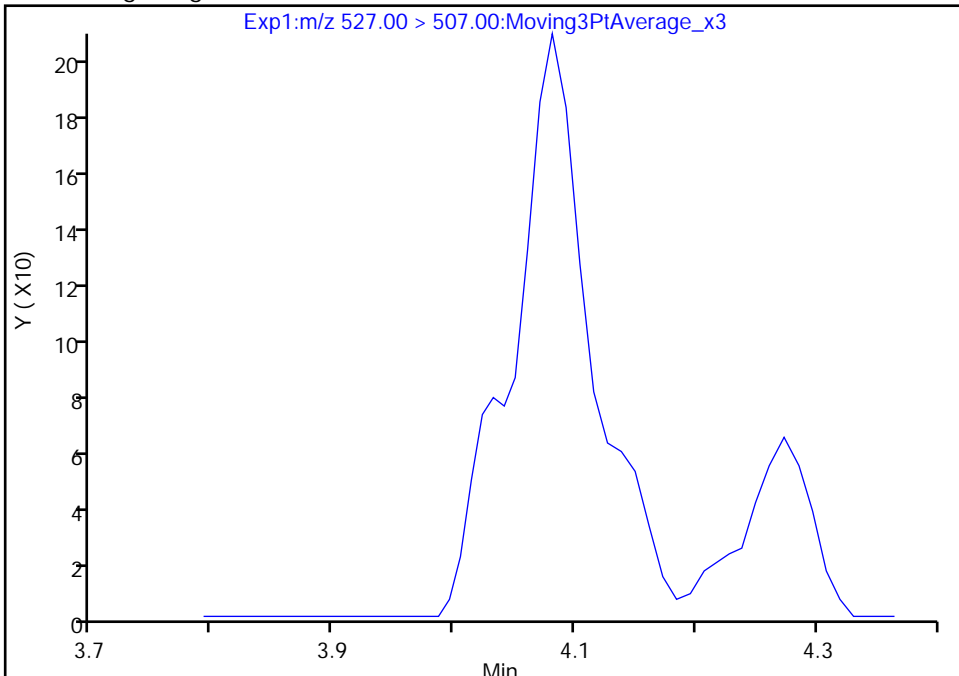
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A14.d
Injection Date: 02-Dec-2022 13:55:03 Instrument ID: LC812
Lims ID: 460-270065-A-1-A Lab Sample ID: 200-270065-1
Client ID: BCS-09-18_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul 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

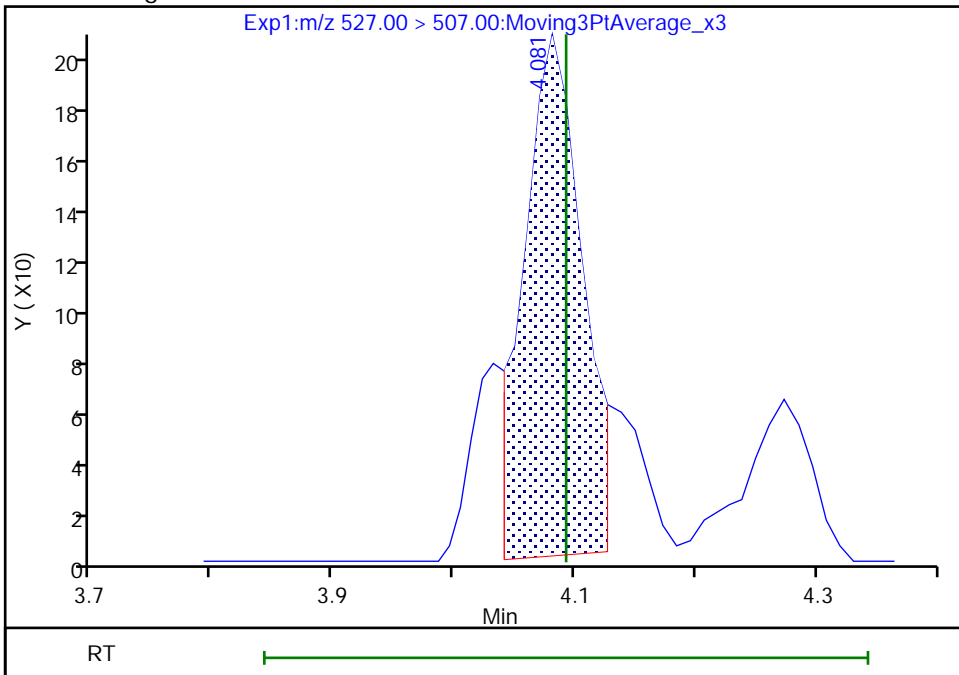
Not Detected
Expected RT: 4.09

Processing Integration Results



Manual Integration Results

RT: 4.08
Area: 662
Amount: 0.001416
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 12:34:03
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

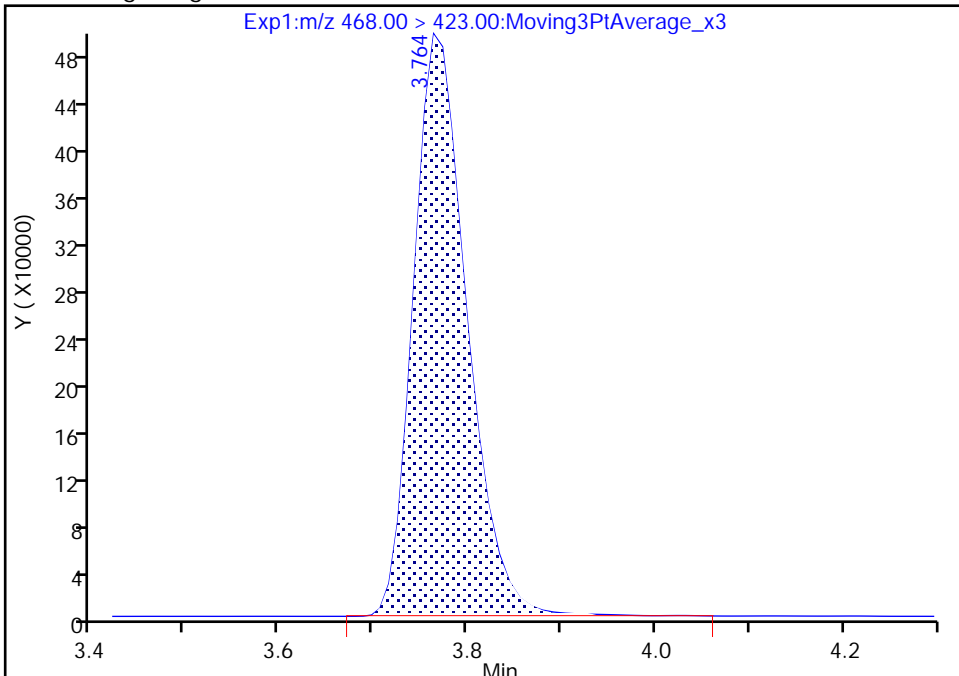
Data File:	\\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A14.d		
Injection Date:	02-Dec-2022 13:55:03	Instrument ID:	LC812
Lims ID:	460-270065-A-1-A	Lab Sample ID:	200-270065-1
Client ID:	BCS-09-18_(11-11.5)P		
Operator ID:	lc812tech	ALS Bottle#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	14

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

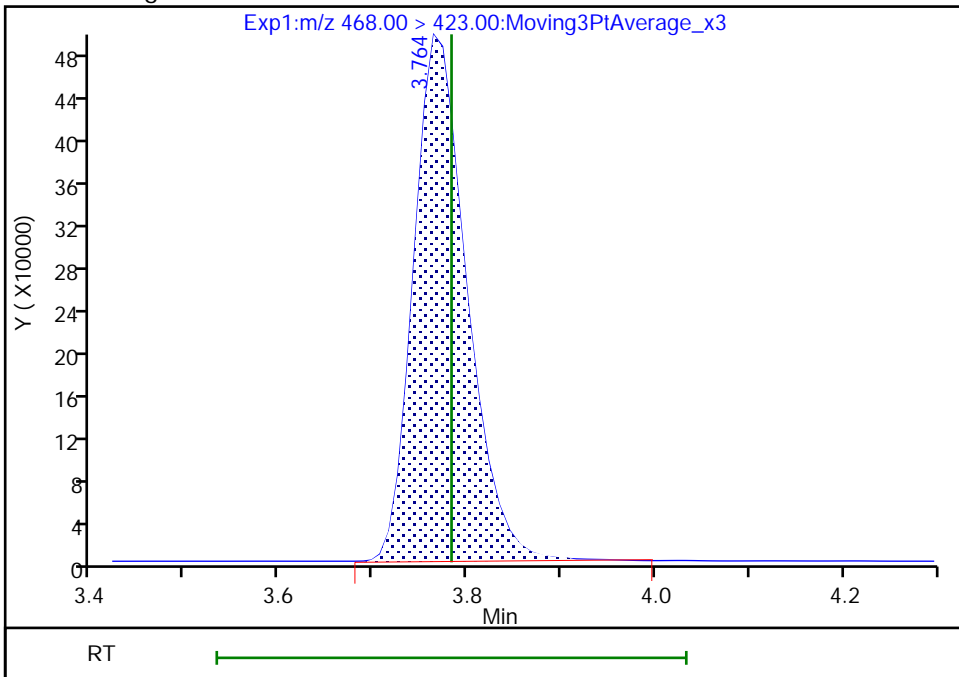
RT: 3.76
 Area: 1968173
 Amount: 1.156271
 Amount Units: ng/ml

Processing Integration Results



RT: 3.76
 Area: 1964125
 Amount: 1.153892
 Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:30:58
 Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

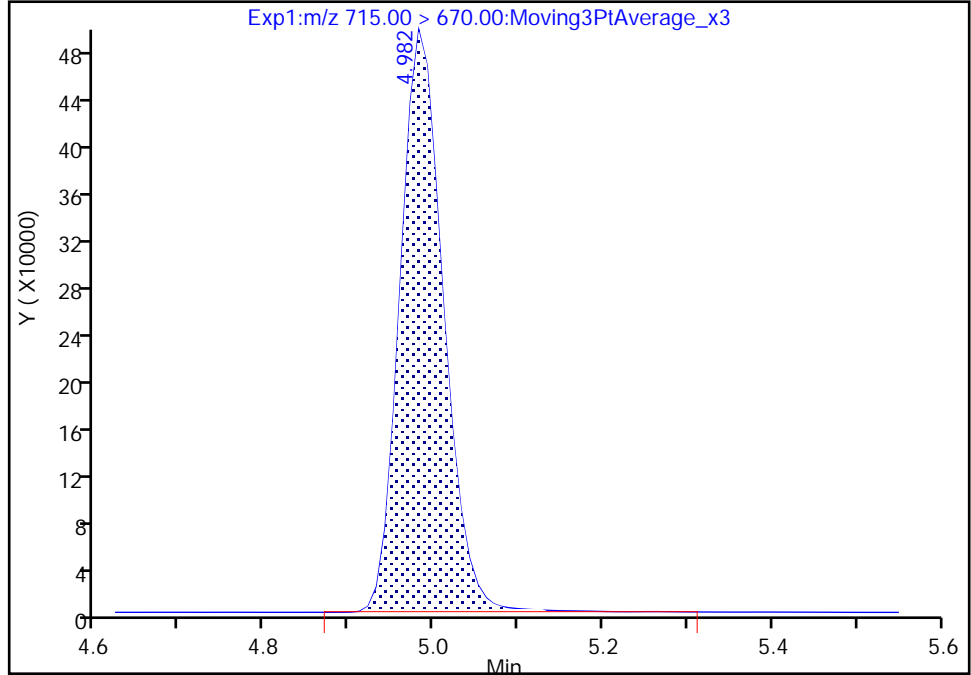
Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A14.d				
Injection Date:	02-Dec-2022 13:55:03	Instrument ID:	LC812		
Lims ID:	460-270065-A-1-A	Lab Sample ID:	200-270065-1		
Client ID:	BCS-09-18_(11-11.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	14
Injection 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

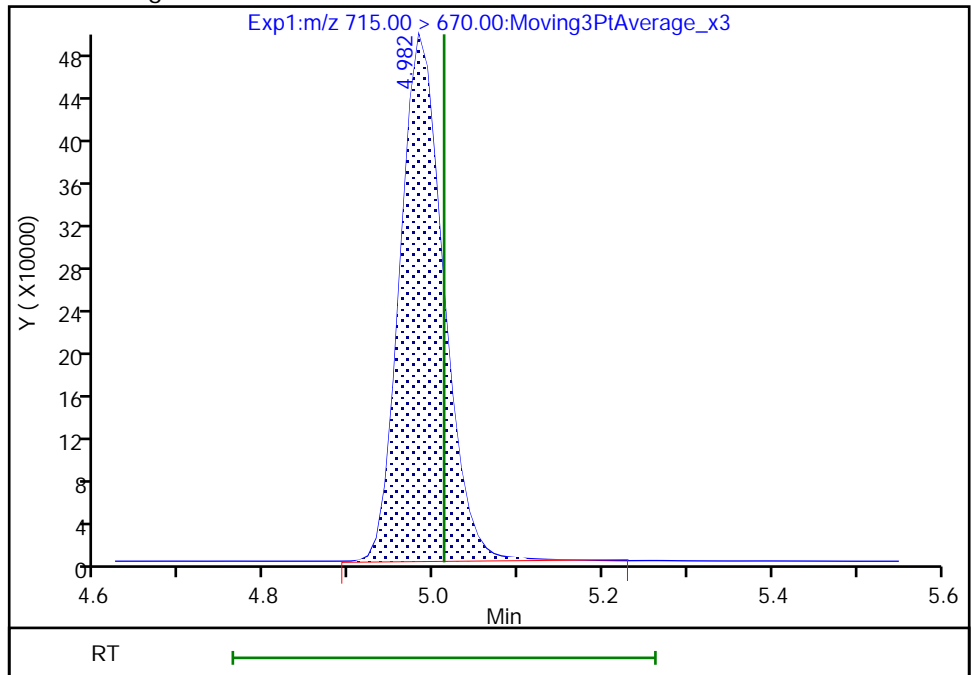
RT: 4.98
Area: 1755086
Amount: 1.253959
Amount Units: ng/ml

Processing Integration Results



RT: 4.98
Area: 1751020
Amount: 1.251054
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:31:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

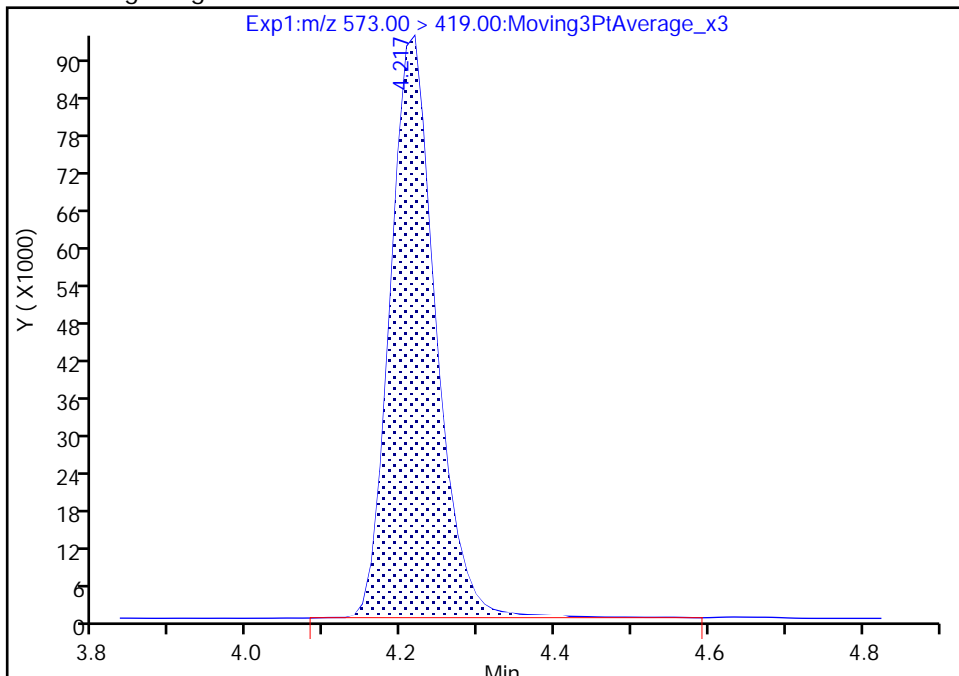
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A14.d
Injection Date: 02-Dec-2022 13:55:03 Instrument ID: LC812
Lims ID: 460-270065-A-1-A Lab Sample ID: 200-270065-1
Client ID: BCS-09-18_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul 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

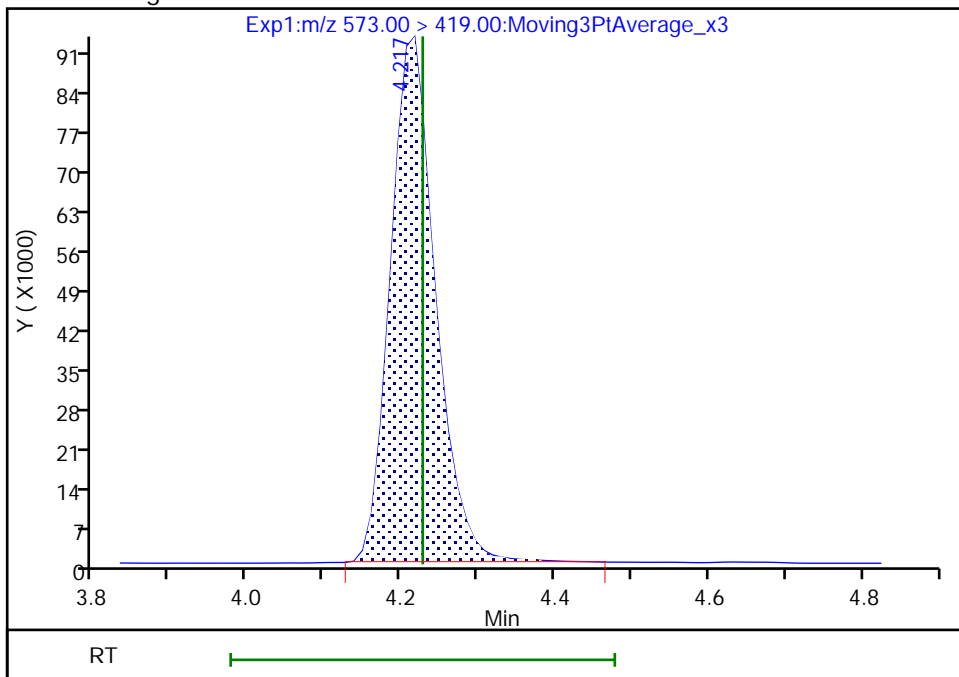
RT: 4.22
Area: 383368
Amount: 1.085497
Amount Units: ng/ml

Processing Integration Results



RT: 4.22
Area: 380713
Amount: 1.077979
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:31:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

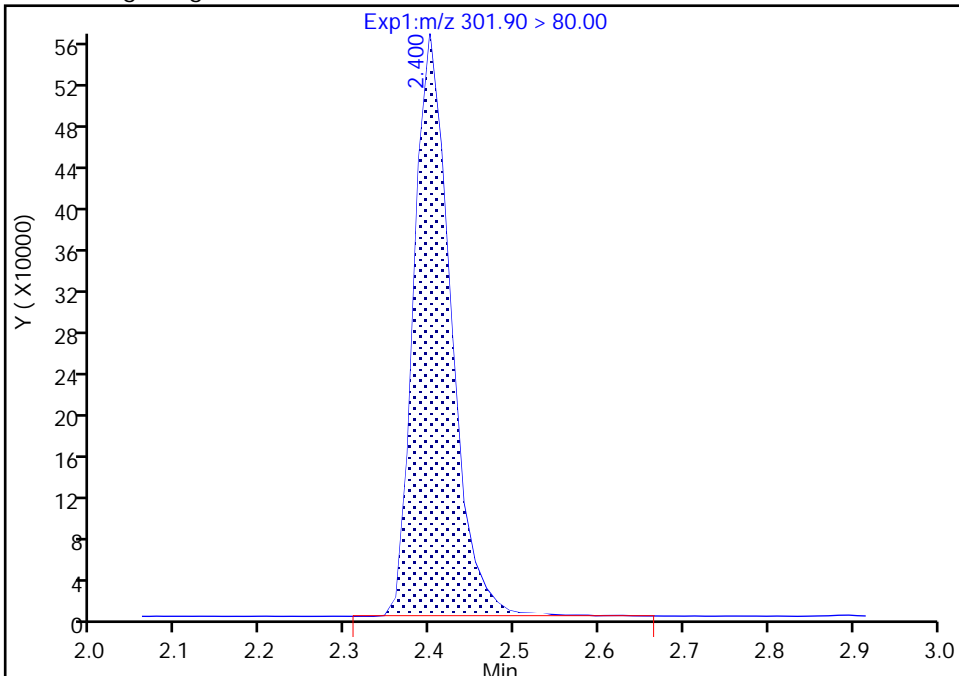
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A14.d
Injection Date: 02-Dec-2022 13:55:03 Instrument ID: LC812
Lims ID: 460-270065-A-1-A Lab Sample ID: 200-270065-1
Client ID: BCS-09-18_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul 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

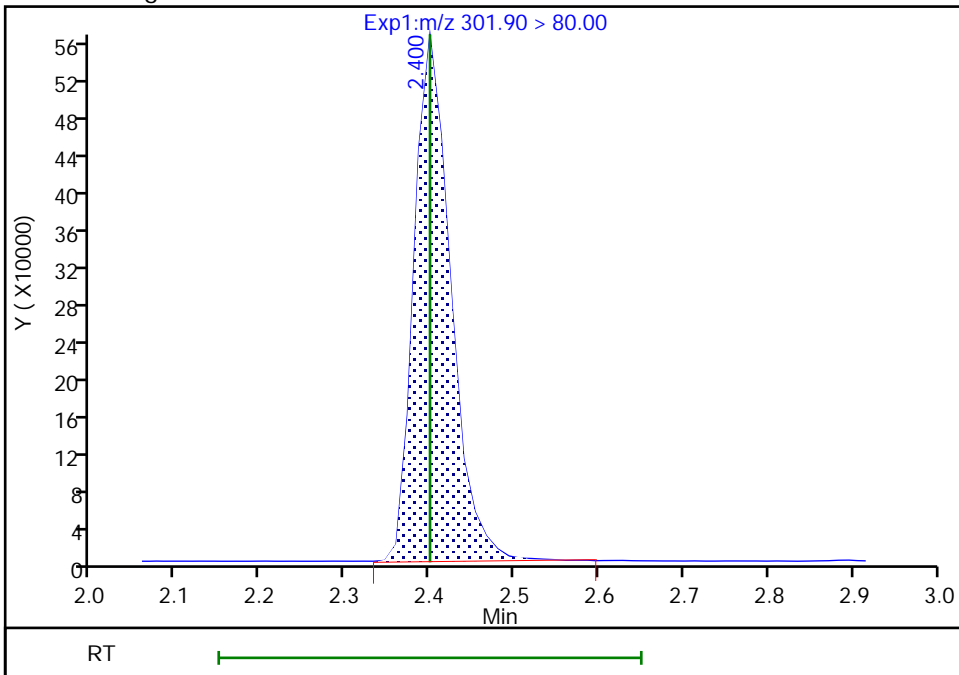
RT: 2.40
Area: 1721999
Amount: 1.096307
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 1718583
Amount: 1.094132
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:30:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-270065-1
 SDG No.: _____
 Client Sample ID: BCS-09-19_(11-11.5)P Lab Sample ID: 460-270065-2
 Matrix: Solid Lab File ID: PA221202A15.d
 Analysis Method: 537 (modified) Date Collected: 11/21/2022 14:25
 Extraction Method: SHAKE Date Extracted: 12/01/2022 09:15
 Sample wt/vol: 5.08(g) Date Analyzed: 12/02/2022 14:03
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: 19.9 % Solids: 80.1 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186301 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.61	U	0.61	0.41
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.25	U	0.25	0.068
307-24-4	Perfluorohexanoic acid (PFHxA)	0.25	U	0.25	0.057
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.25	U	0.25	0.048
335-67-1	Perfluorooctanoic acid (PFOA)	0.25	U	0.25	0.071
375-95-1	Perfluorononanoic acid (PFNA)	0.25	U	0.25	0.042
335-76-2	Perfluorodecanoic acid (PFDA)	0.25	U	0.25	0.034
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.25	U	0.25	0.033
307-55-1	Perfluorododecanoic acid (PFDoA)	0.25	U	0.25	0.031
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.25	U	0.25	0.031
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.25	U	0.25	0.032
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.25	U	0.25	0.041
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.25	U	0.25	0.050
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.25	U	0.25	0.028
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.25	U	0.25	0.14
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.25	U	0.25	0.023
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.25	U	0.25	0.042
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.46	U	2.46	0.14
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.46	U	2.46	0.10
27619-97-2	6:2 FTS	2.46	U	2.46	0.070
39108-34-4	8:2 FTS	2.46	U	2.46	0.045

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-270065-1
 SDG No.: _____
 Client Sample ID: BCS-09-19_(11-11.5)P Lab Sample ID: 460-270065-2
 Matrix: Solid Lab File ID: PA221202A15.d
 Analysis Method: 537 (modified) Date Collected: 11/21/2022 14:25
 Extraction Method: SHAKE Date Extracted: 12/01/2022 09:15
 Sample wt/vol: 5.08(g) Date Analyzed: 12/02/2022 14:03
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: 19.9 % Solids: 80.1 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186301 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	93		50-150
STL01892	13C4 PFHpA	87		50-150
STL00990	13C4 PFOA	85		50-150
STL00991	13C4 PFOS	94		50-150
STL00995	13C5 PFNA	86		50-150
STL00992	13C4 PFBA	86		50-150
STL00993	13C2 PFHxA	91		50-150
STL00996	13C2 PFDA	89		50-150
STL00997	13C2 PFUnA	85		50-150
STL00998	13C2 PFDoA	82		50-150
STL01056	13C8 FOSA	82		50-150
STL01893	13C5 PFPeA	87		50-150
STL02116	13C2 PFTeDA	90		50-150
STL02118	d3-NMeFOSAA	72		50-150
STL02117	d5-NEtFOSAA	75		50-150
STL02279	M2-6:2 FTS	90		50-150
STL02280	M2-8:2 FTS	92		50-150
STL02337	13C3 PFBS	88		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A15.d
 Lims ID: 460-270065-A-2-A
 Client ID: BCS-09-19_(11-11.5)P
 Sample Type: Client
 Inject. Date: 02-Dec-2022 14:03:14 ALS Bottle#: 12 Worklist Smp#: 15
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 460-270065-A-2-A
 Misc. Info.: 200-0053527-015 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 05-Dec-2022 11:40:57 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: CTX1627

First Level Reviewer: nampitakw Date: 05-Dec-2022 12:42:14
 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	0.604	2250228	1.07	85.7	6777	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.076	0.009	1.004	55076	0.0297		7.5		M
D 3 13C5 PFPeA	267.90 > 223.00	2.387	2.387	-0.001	0.694	1732439	1.08	86.6	3609	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.387	2.387	-0.001	1.000	24804	0.0164		0.6		M
D 47 13C3 PFBS	301.90 > 80.00	2.400	2.400	0.0	0.698	1770134	1.02	87.6	284520	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.413	2.400	0.013	1.006	3027	0.001738	Target=2.09	4.3		M
298.90 > 99.00	2.400	2.400	0.0	1.000	1596		1.90(1.04-3.13)	1.1		M
D 7 13C2 PFHxA	315.00 > 270.00	2.725	2.725	0.0	0.793	1908602	1.14	91.1	4378	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.725	2.725	0.0	1.000	16862	0.0101	Target=14.25	3.2		M
313.00 > 119.00	2.713	2.725	-0.012	0.996	1769		9.53(7.12-21.37)	2.0		M
D 11 18O2 PFHxS	403.00 > 84.00	3.088	3.088	0.0	0.898	1395254	1.10	93.2	2397	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.088	3.088	0.0	1.000	11190	0.008403	Target=3.66	48.1		M
399.00 > 99.00	3.076	3.088	-0.012	0.996	4330		2.58(1.83-5.49)	4.7		M
D 9 13C4 PFHpA	367.00 > 322.00	3.088	3.099	-0.011	0.898	1864617	1.08	86.5	3043	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.088	3.099	-0.011	1.000	9562	0.005887	Target=3.97	2.4		M
363.00 > 169.00	3.099	3.099	0.0	1.004	2702		3.54(1.98-5.95)	6.1		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	3.430	3.439	-0.009	0.997	226537	1.07		89.8	717	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.430	3.439	-0.009	1.000	6813	0.005033		3.3		M
D 14 13C4 PFOA										
417.00 > 372.00	3.439	3.448	-0.009	1.000	2069090	1.07		85.4	4651	
* 62 13C2 PFOA										
415.00 > 370.00	3.439	3.448	-0.009		2341152	1.25		3432		M
15 Perfluorooctanoic acid										
413.00 > 369.00	3.439	3.448	-0.009	1.000	33588	0.0190	Target=2.79	2.6		
413.00 > 169.00	3.439	3.448	-0.009	1.000	12195		2.75(1.40-4.19)	23.1		M
D 18 13C4 PFOS										
503.00 > 80.00	3.754	3.764	-0.010	1.092	960646	1.12		93.6	2967	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.764	3.764	0.0	1.003	15651	0.0160	Target=5.11	6.8		M
499.00 > 99.00	3.764	3.764	0.0	1.003	2687		5.82(2.55-7.66)	5.1		M
20 Perfluorononanoic acid										
463.00 > 419.00	3.773	3.783	-0.010	1.000	2775	0.001653	Target=8.55	0.5		M
463.00 > 169.00	3.773	3.783	-0.010	1.000	230		12.07(4.28-12.83)	3.9		M
D 19 13C5 PFNA										
468.00 > 423.00	3.773	3.783	-0.010	1.097	2023368	1.07		85.9	3425	
D 23 13C2 PFDA										
515.00 > 470.00	4.071	4.081	-0.010	1.184	2132884	1.11		88.9	3374	
24 Perfluorodecanoic acid										
513.00 > 469.00	4.081	4.081	0.0	1.003	3266	0.001765	Target=10.26	1.1		M
513.00 > 169.00	4.071	4.081	-0.010	1.000	414		7.89(5.13-15.38)	1.0		M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.081	4.093	-0.012	1.187	286293	1.10		92.0	1289	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.071	4.093	-0.022	0.997	724	0.001873		17.2		M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.138	4.150	-0.012	1.000	1122	0.000834		4.1		M
D 21 13C8 FOSA										
506.00 > 78.00	4.138	4.150	-0.012	1.203	1608989	1.02		81.8	3121	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.217	4.228	-0.011	1.226	353411	0.9042		72.3	1416	
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.238	4.228	0.010	1.005	337	-0.0102		0.9		M
D 30 13C2 PFUnA										
565.00 > 520.00	4.342	4.353	-0.011	1.263	1875935	1.07		85.4	3215	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.342	4.353	-0.011	1.000	3286	0.002173	Target=9.88	1.0		RM
563.00 > 169.00	4.342	4.353	-0.011	1.000	43		76.42(4.94-14.82)	0.8		M
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.353	4.365	-0.012	1.000	129	0.000500		1.2		M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.353	4.365	-0.012	1.266	360560	0.9369		74.9	1064	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
37 Perfluorododecanoic acid										RM
613.00 > 569.00	4.580	4.591	-0.011	1.000	1437	0.000921	Target=7.77	0.2		R
613.00 > 169.00	4.567	4.591	-0.024	0.997	581		2.47(3.89-11.66)	6.1		M
D 36 13C2 PFDaA										
615.00 > 570.00	4.580	4.591	-0.011	1.332	1841128	1.03		82.2	3831	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	4.992	5.012	-0.020	1.000	318	0.001673	Target=0.89	3.4		M
713.00 > 219.00	5.002	5.012	-0.010	1.002	438		0.73(0.44-1.33)	6.5		M
D 43 13C2 PFTeDA										
715.00 > 670.00	4.992	5.012	-0.020	1.452	1735754	1.12		89.6	4081	

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromf\Burlington\ChromData\LC812\20221202-53527.b\PA221202A15.d

Injection Date: 02-Dec-2022 14:03:14

Instrument ID: LC812

Lims ID: 460-270065-A-2-A

Lab Sample ID: 200-270065-2

Client ID: BCS-09-19_(11-11.5)P

Operator ID: lc812tech

ALS Bottle#: 12

Worklist Smp#: 15

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

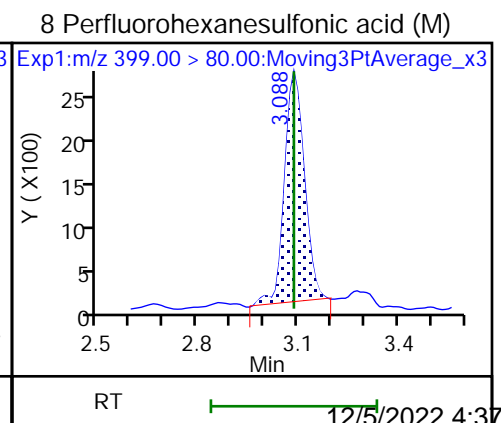
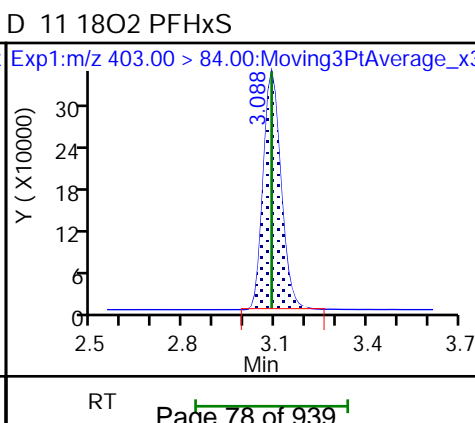
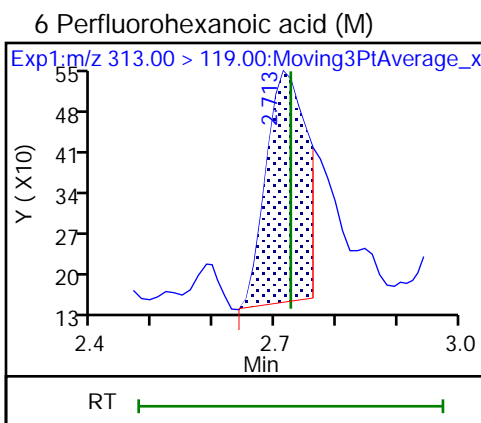
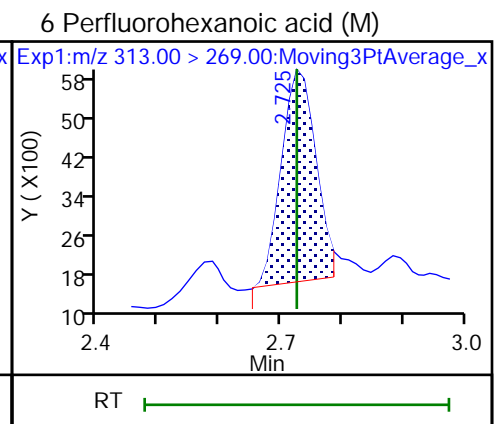
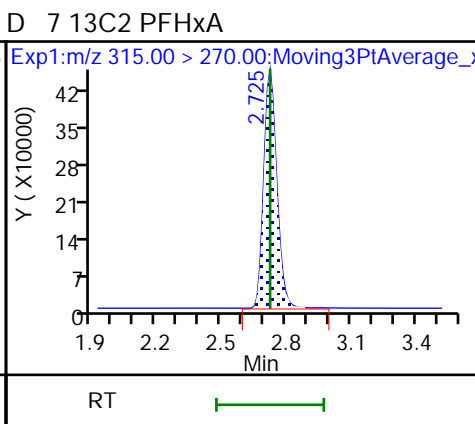
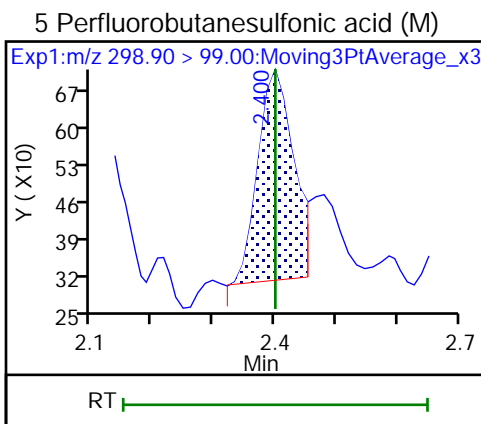
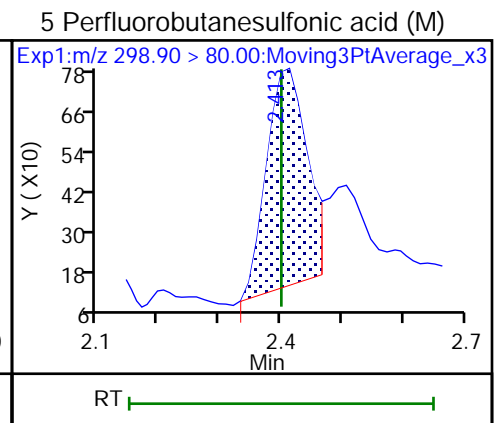
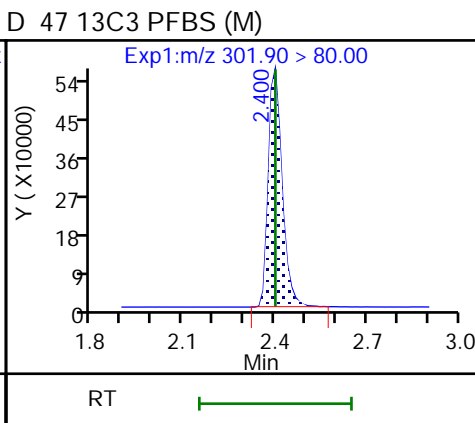
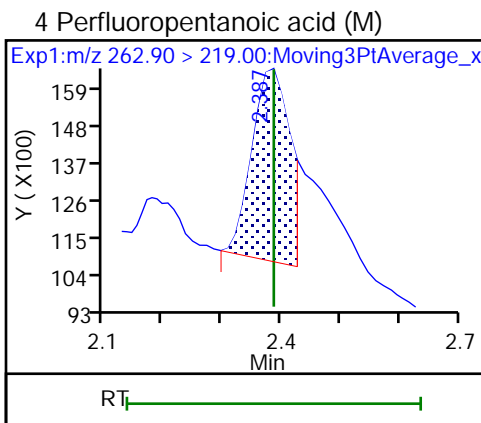
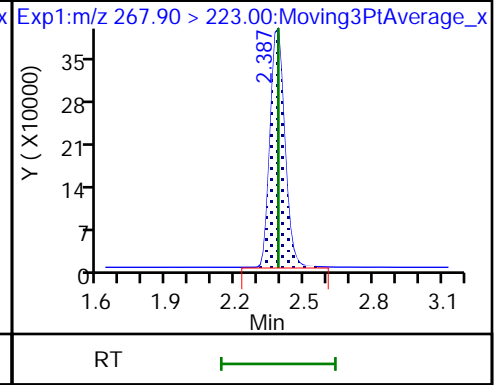
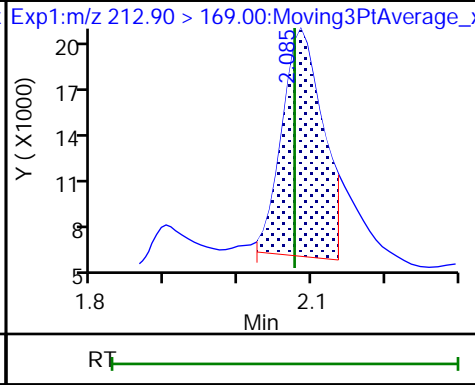
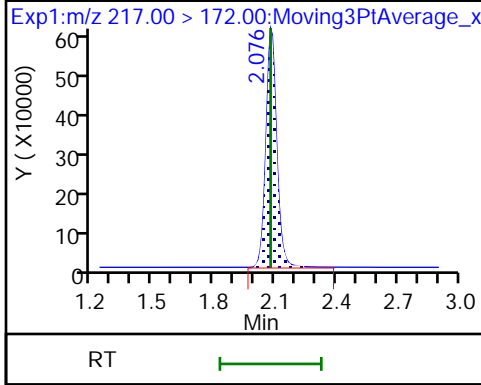
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

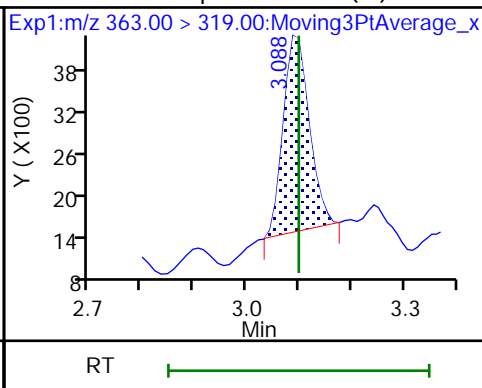
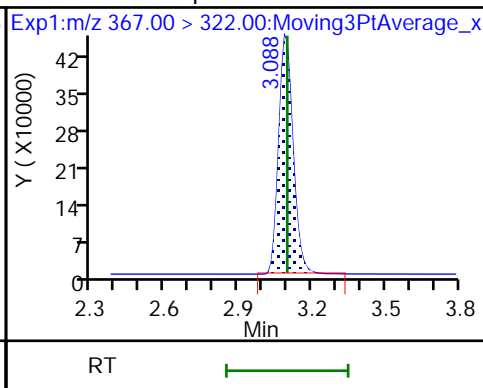
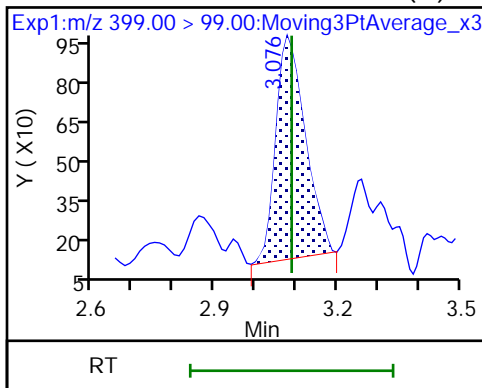
D 3 13C5 PFPeA



8 Perfluorohexanesulfonic acid (M)

D 9 13C4 PFHpA

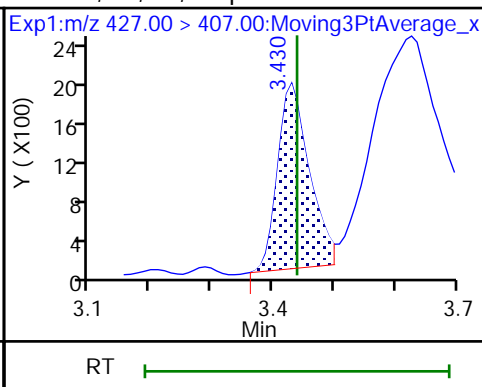
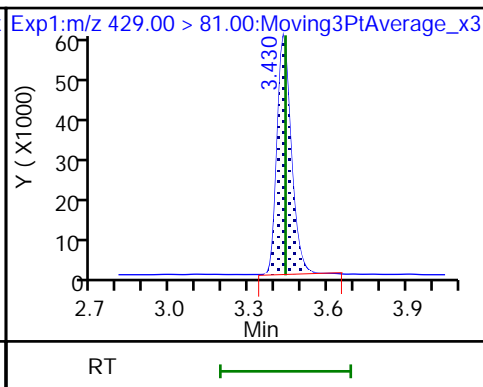
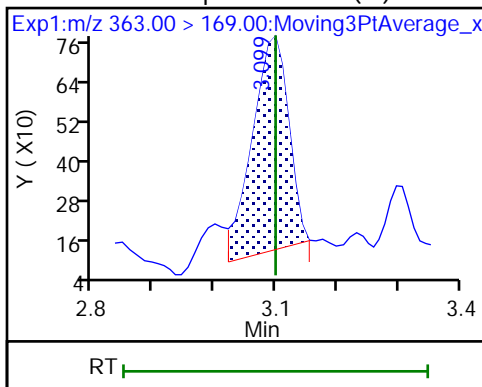
10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid (M)

D 12 M2-6:2 FTS

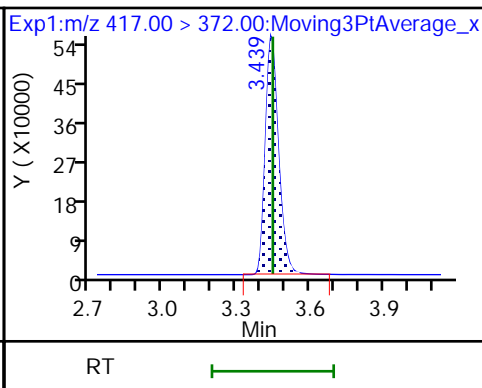
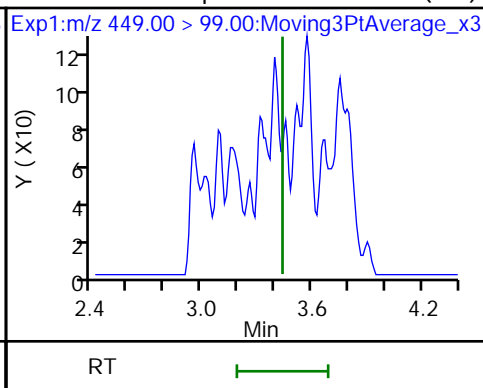
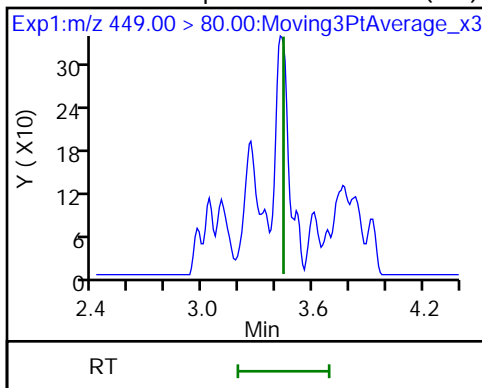
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



16 Perfluoroheptanesulfonic acid (ND)

16 Perfluoroheptanesulfonic acid (ND)

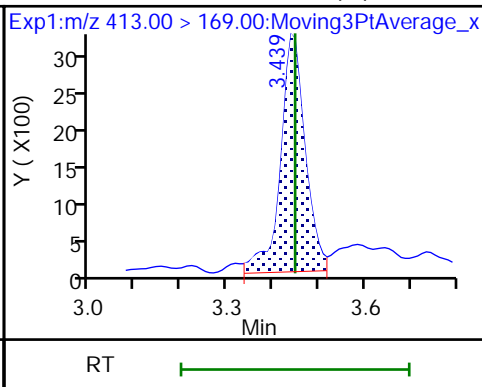
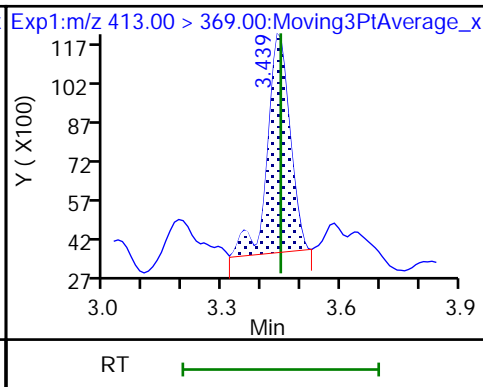
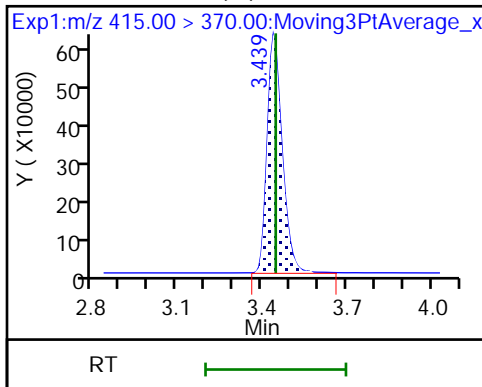
D 14 13C4 PFOA



* 62 13C2 PFOA (M)

15 Perfluorooctanoic acid

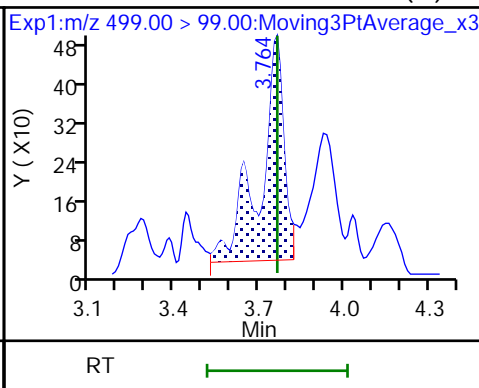
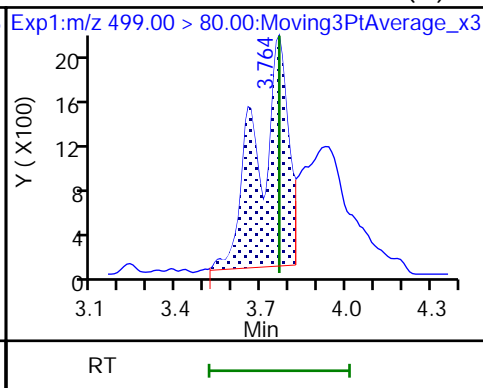
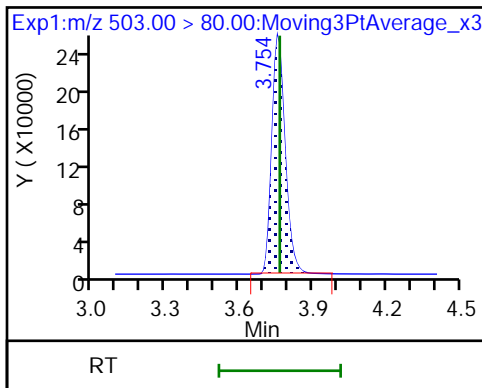
15 Perfluorooctanoic acid (M)



D 18 13C4 PFOS

17 Perfluorooctanesulfonic acid (M)

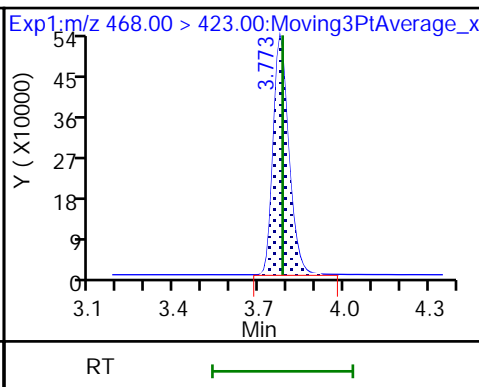
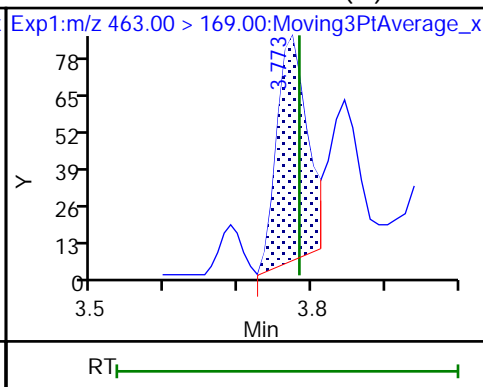
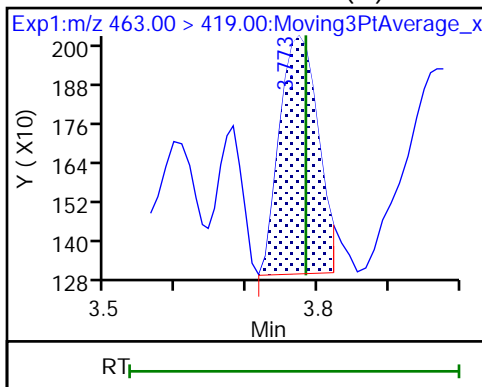
17 Perfluorooctanesulfonic acid (M)



20 Perfluorononanoic acid (M)

20 Perfluorononanoic acid (M)

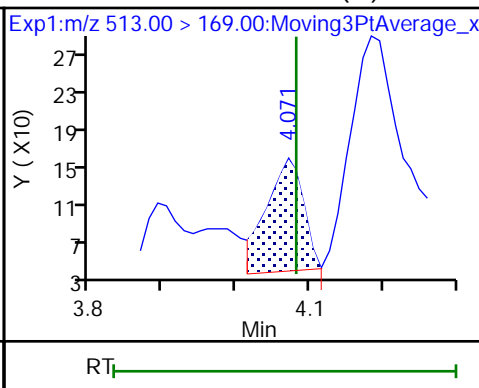
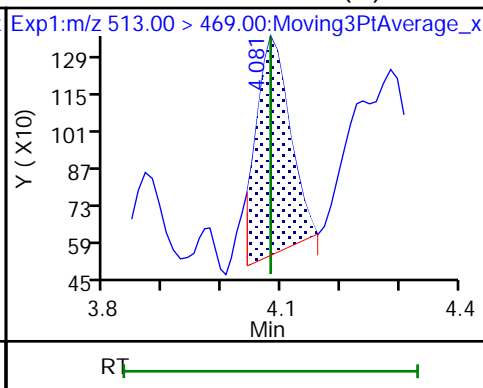
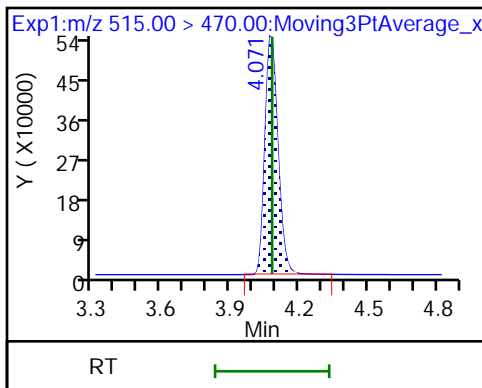
D 19 13C5 PFNA



D 23 13C2 PFDA

24 Perfluorodecanoic acid (M)

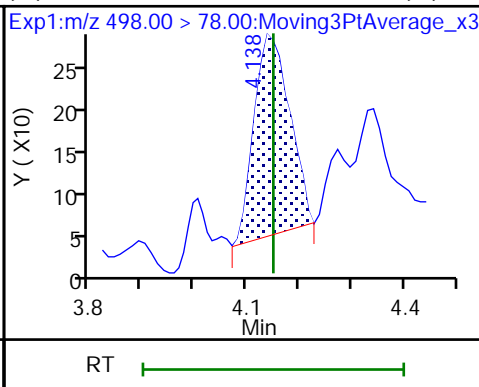
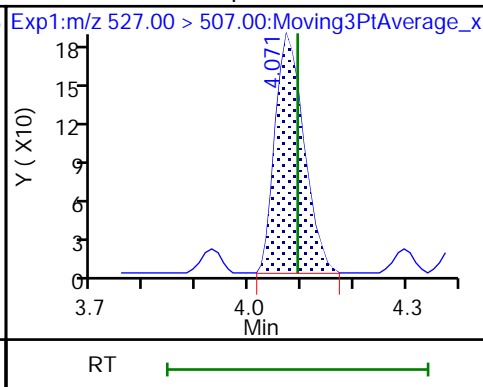
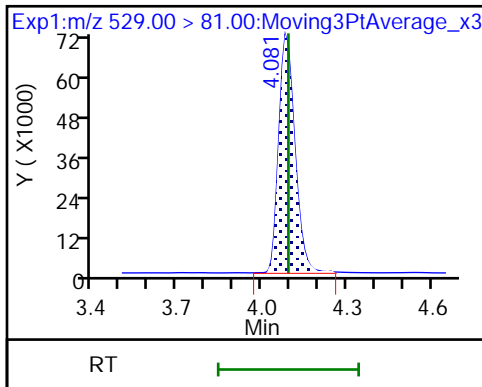
24 Perfluorodecanoic acid (M)



D 26 M2-8:2 FTS

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

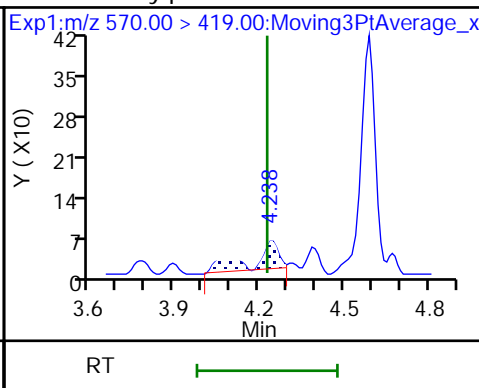
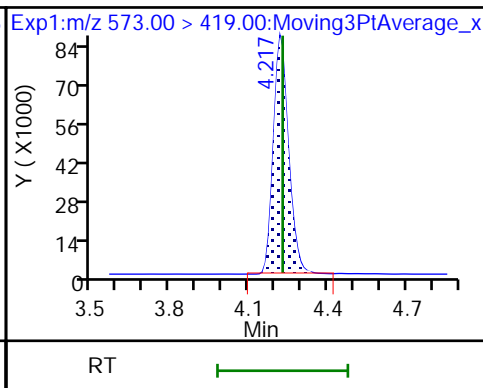
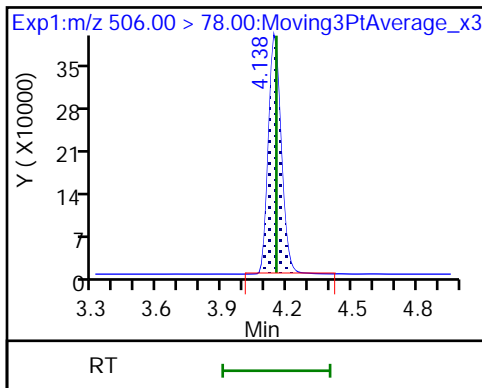
22 Perfluorooctanesulfonamide (M)



D 21 13C8 FOSA

D 27 d3-NMeFOSAA

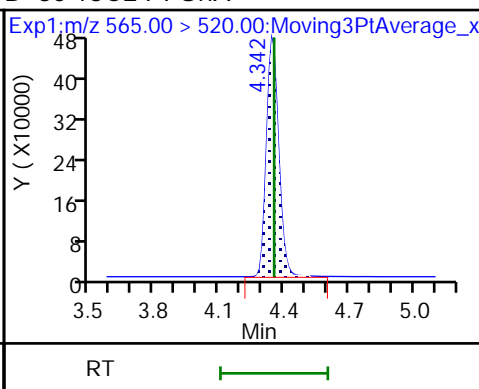
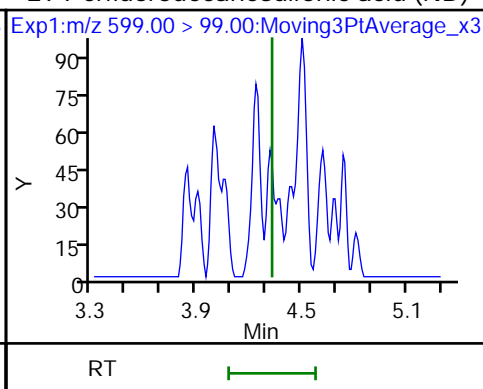
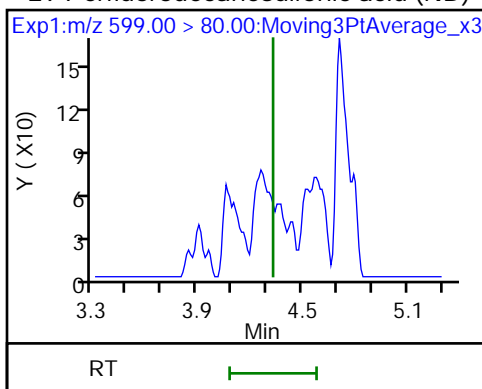
28 N-methylperfluorooctanesulfonami (M)



29 Perfluorodecanesulfonic acid (ND)

29 Perfluorodecanesulfonic acid (ND)

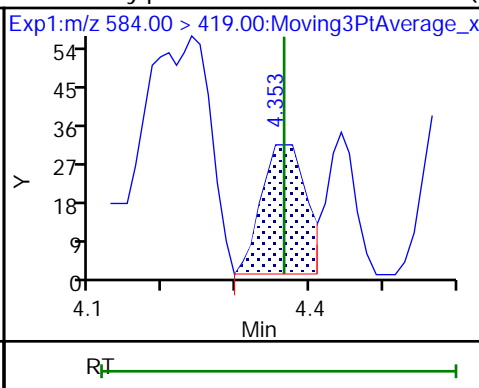
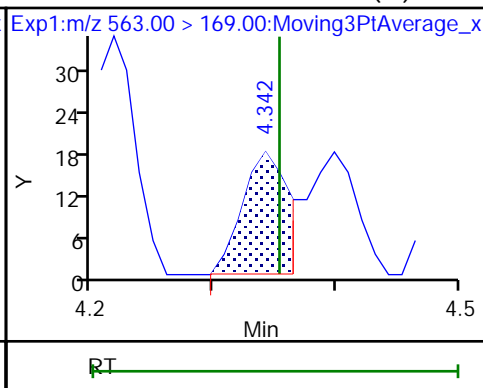
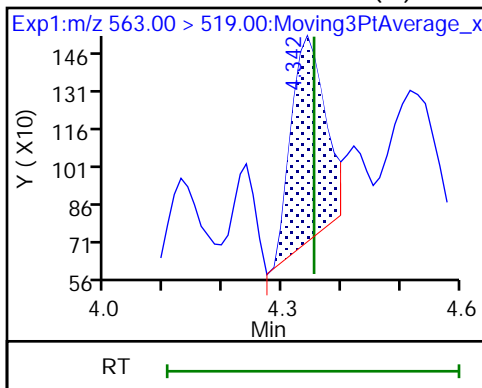
D 30 13C2 PFUnA



31 Perfluoroundecanoic acid (M)

31 Perfluoroundecanoic acid (M)

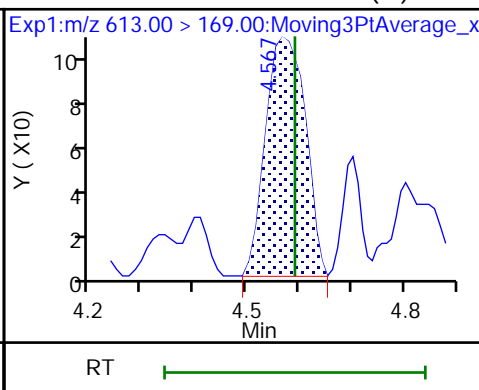
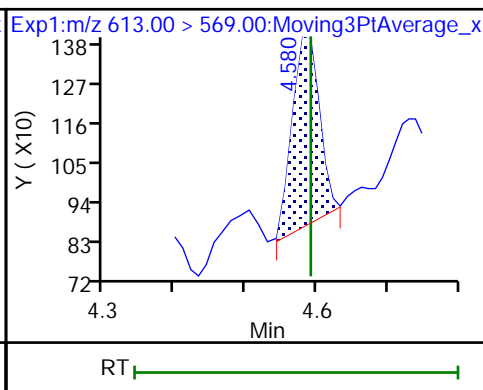
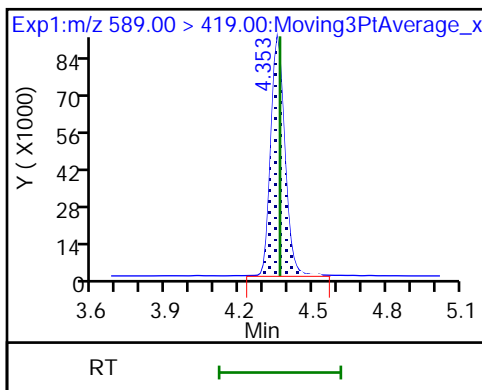
33 N-ethylperfluorooctanesulfonamid (M)



D 32 d5-NEtFOSAA

37 Perfluorododecanoic acid

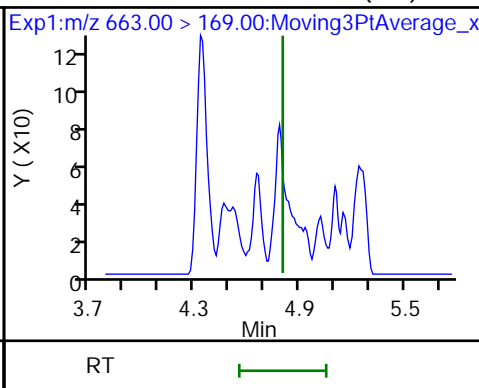
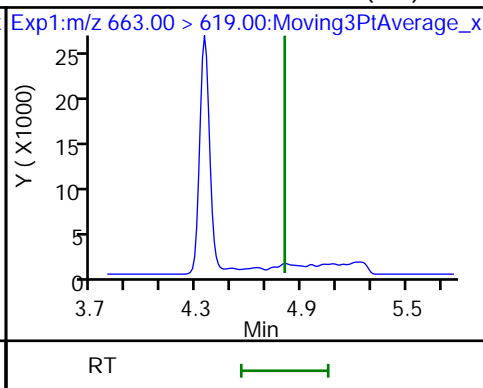
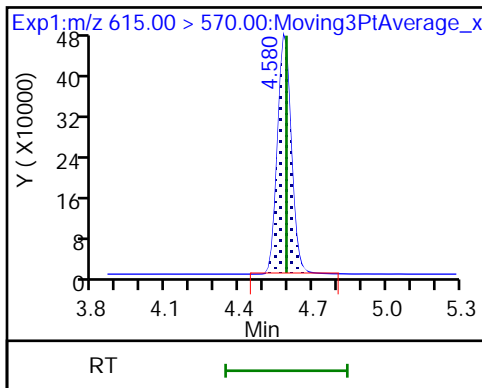
37 Perfluorododecanoic acid (M)



D 36 13C2 PFDaA

41 Perfluorotridecanoic acid (ND)

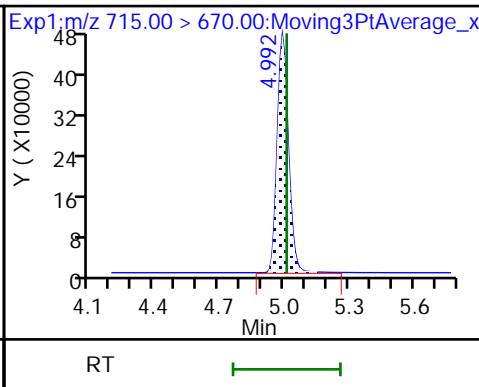
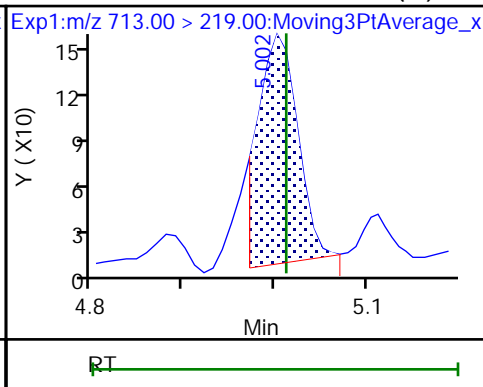
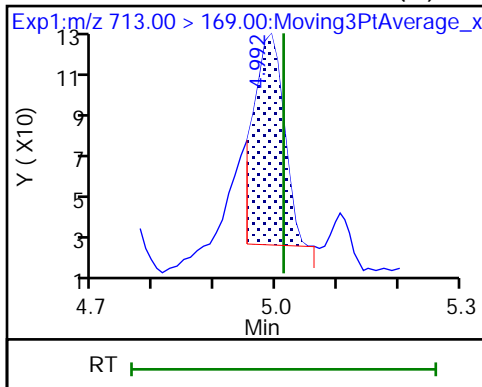
41 Perfluorotridecanoic acid (ND)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

D 43 13C2 PFTeDA



Eurofins Burlington

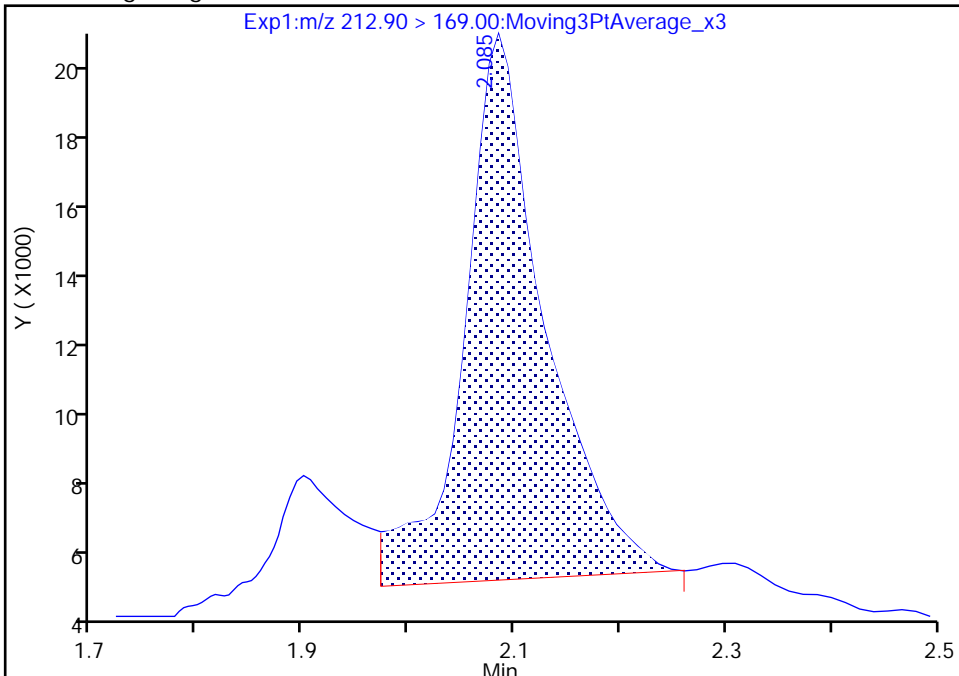
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A15.d
Injection Date: 02-Dec-2022 14:03:14 Instrument ID: LC812
Lims ID: 460-270065-A-2-A Lab Sample ID: 200-270065-2
Client ID: BCS-09-19_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 15
Injection Vol: 20.0 ul 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

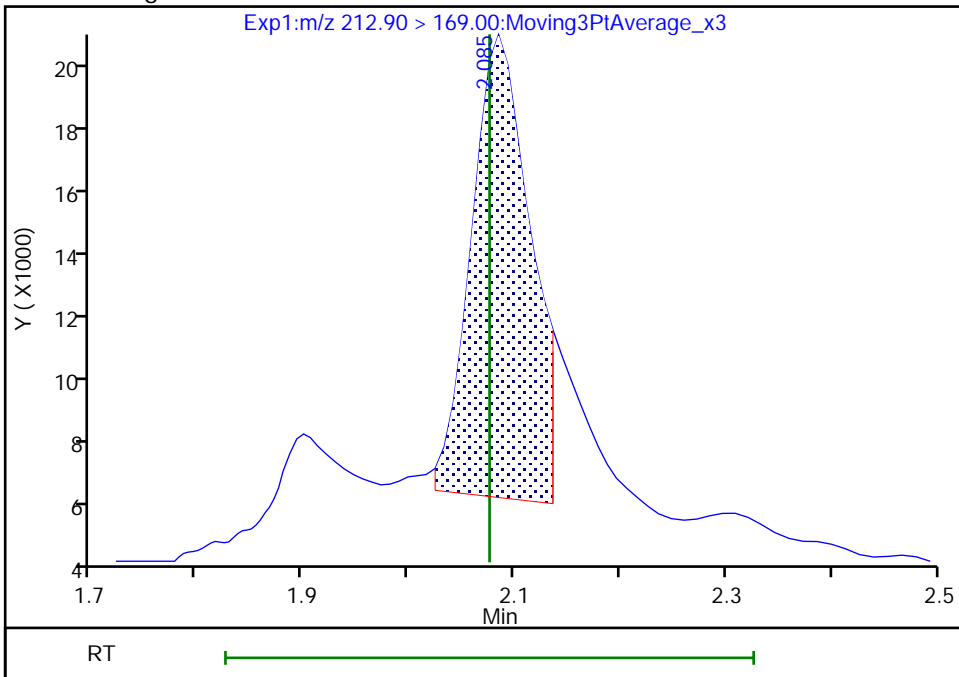
RT: 2.08
Area: 81490
Amount: 0.043898
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 55076
Amount: 0.029669
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:38:32
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

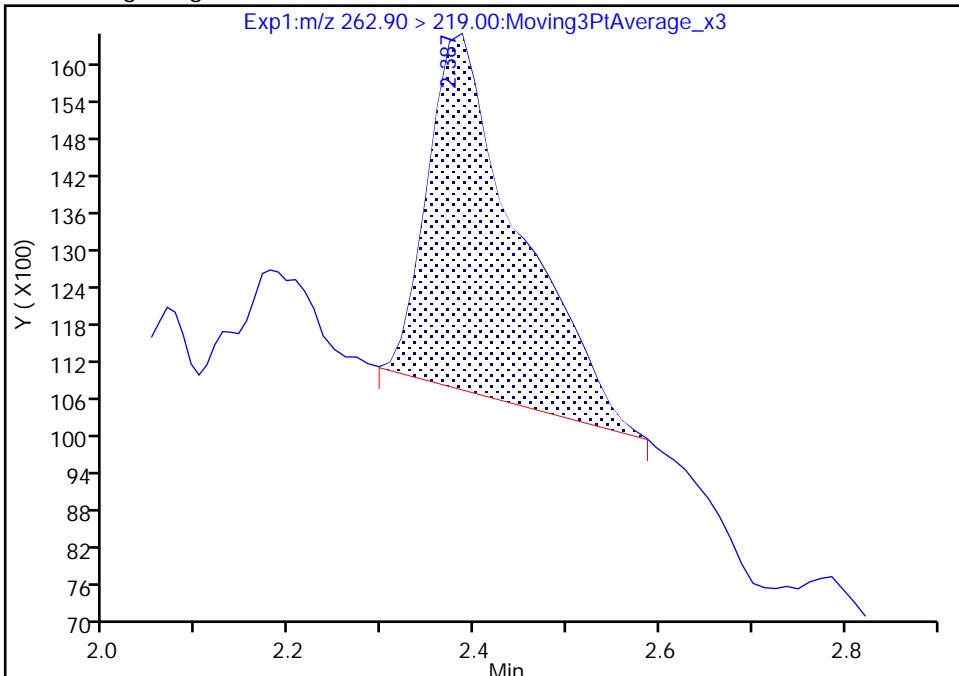
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A15.d
Injection Date: 02-Dec-2022 14:03:14 Instrument ID: LC812
Lims ID: 460-270065-A-2-A Lab Sample ID: 200-270065-2
Client ID: BCS-09-19_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 15
Injection Vol: 20.0 ul 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

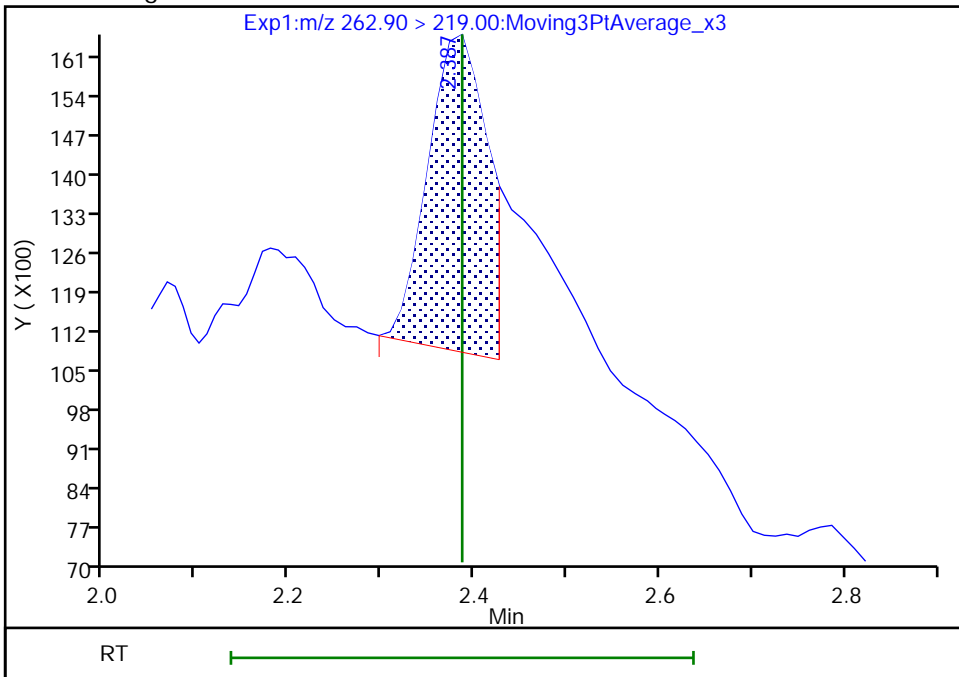
RT: 2.39
Area: 39374
Amount: 0.026068
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 24804
Amount: 0.016422
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:38:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

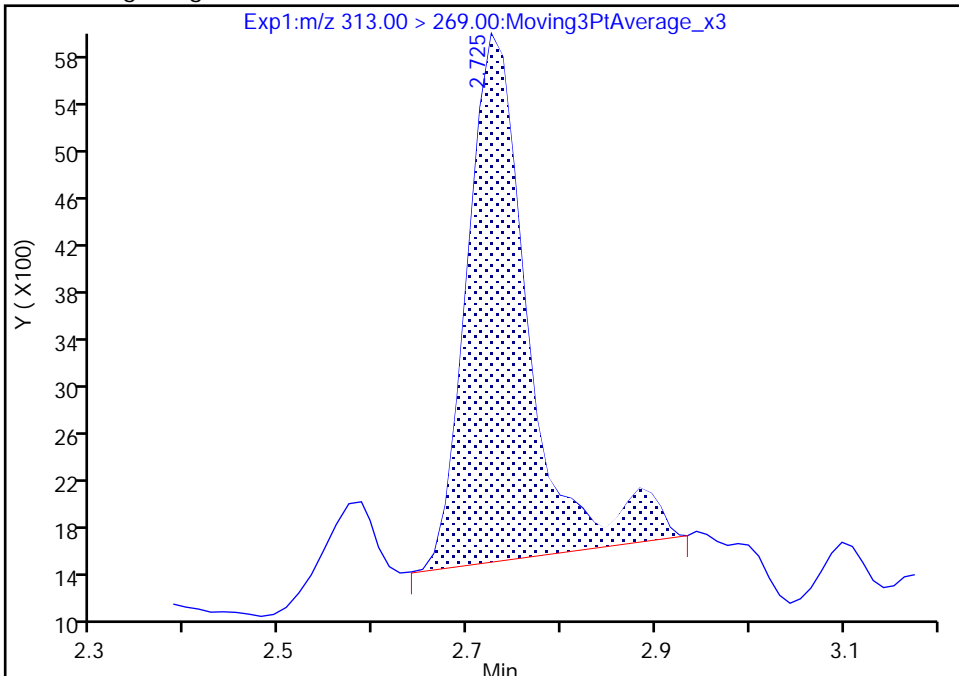
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A15.d
Injection Date: 02-Dec-2022 14:03:14 Instrument ID: LC812
Lims ID: 460-270065-A-2-A Lab Sample ID: 200-270065-2
Client ID: BCS-09-19_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 15
Injection Vol: 20.0 ul 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

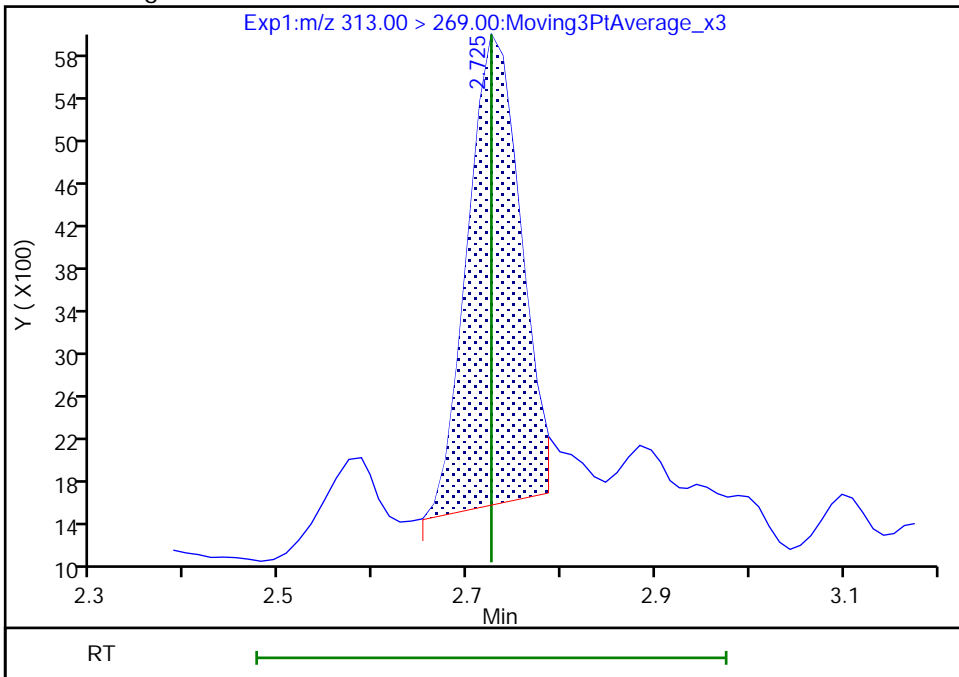
RT: 2.73
Area: 20052
Amount: 0.012053
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 16862
Amount: 0.010135
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:38:58
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

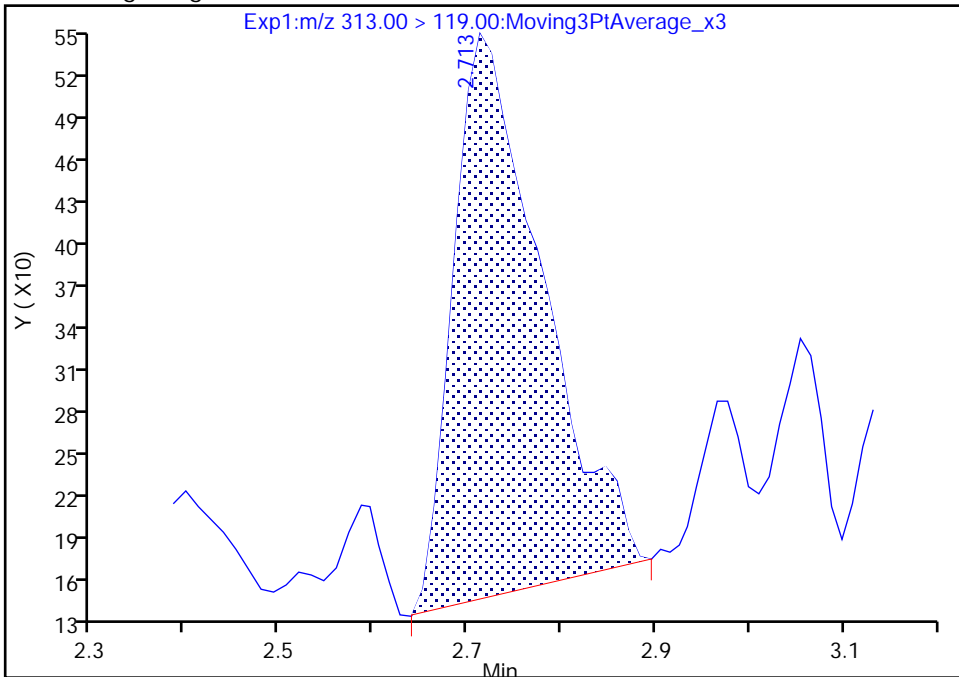
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A15.d
Injection Date: 02-Dec-2022 14:03:14 Instrument ID: LC812
Lims ID: 460-270065-A-2-A Lab Sample ID: 200-270065-2
Client ID: BCS-09-19_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 15
Injection Vol: 20.0 ul 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

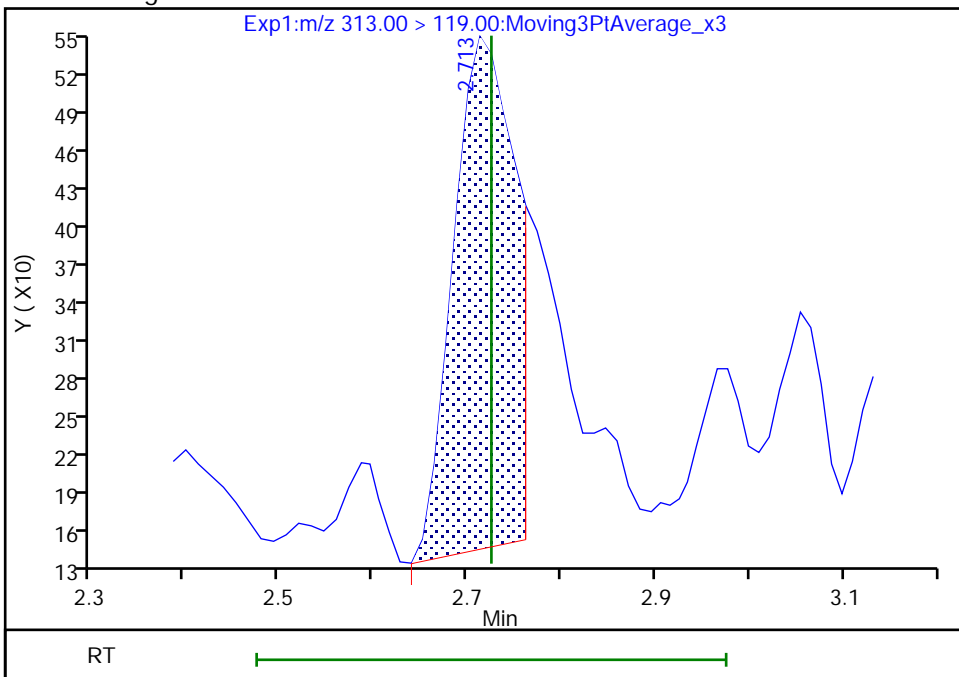
RT: 2.71
Area: 2602
Amount: 0.012053
Amount Units: ng/ml

Processing Integration Results



RT: 2.71
Area: 1769
Amount: 0.010135
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:38:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

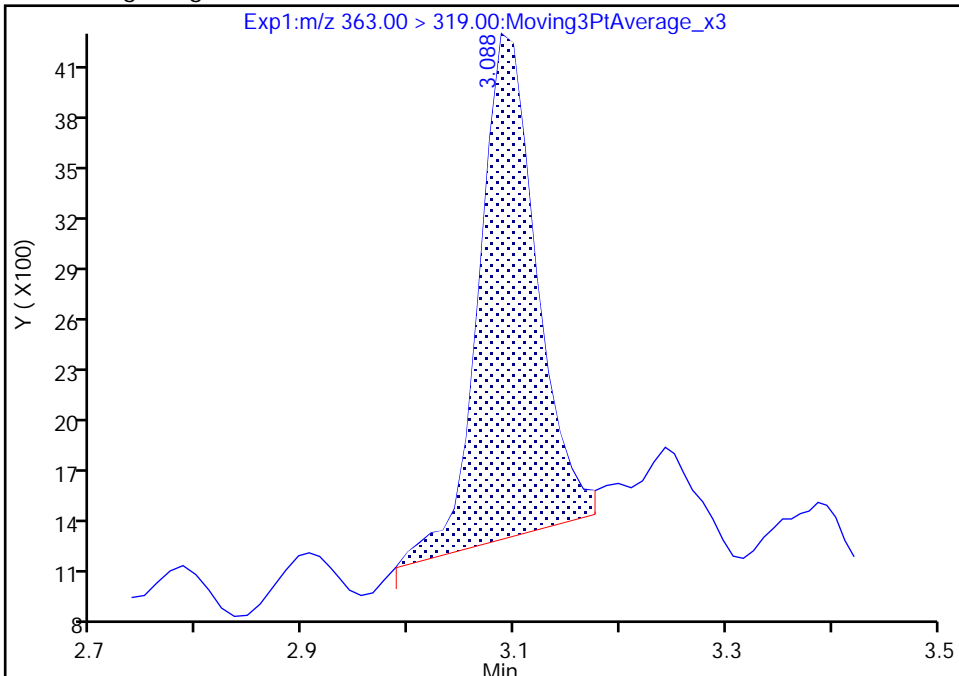
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A15.d
Injection Date: 02-Dec-2022 14:03:14 Instrument ID: LC812
Lims ID: 460-270065-A-2-A Lab Sample ID: 200-270065-2
Client ID: BCS-09-19_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 15
Injection Vol: 20.0 ul 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

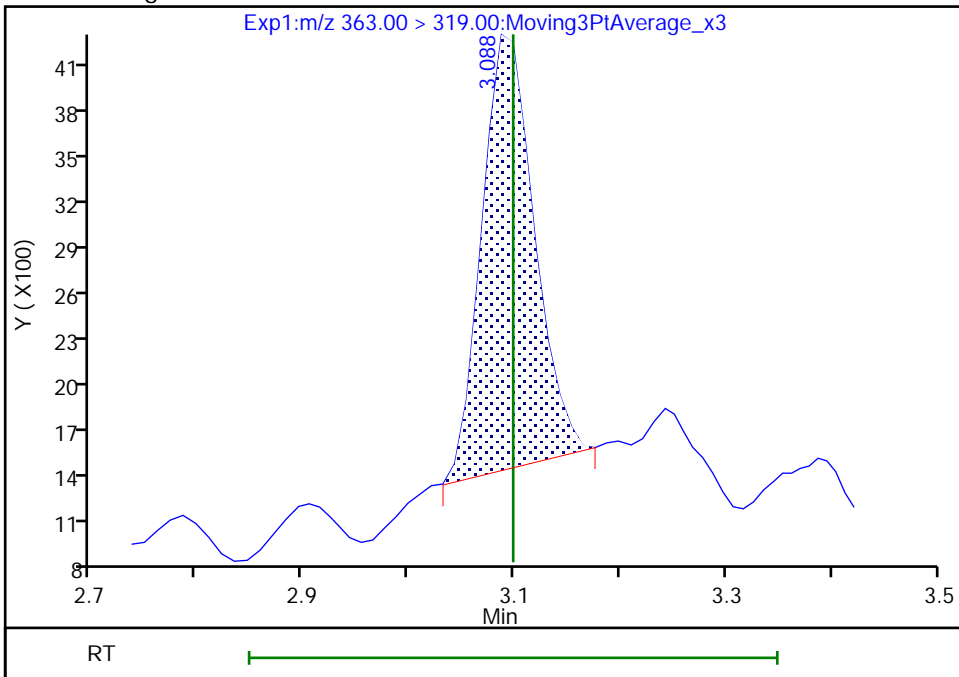
RT: 3.09
Area: 11042
Amount: 0.006799
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 9562
Amount: 0.005887
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:39:17
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

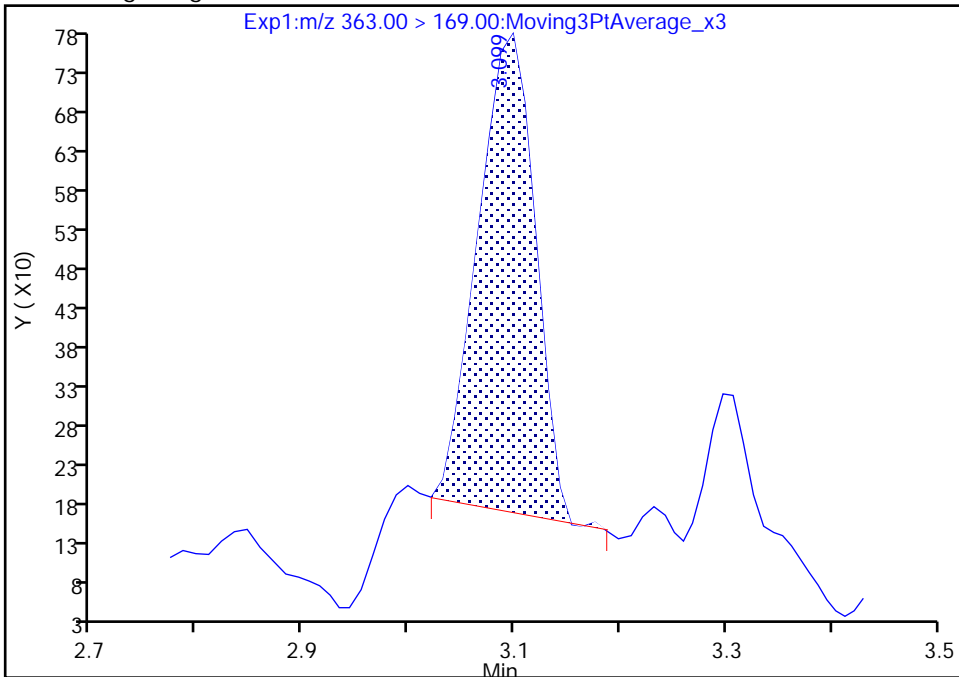
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A15.d
Injection Date: 02-Dec-2022 14:03:14 Instrument ID: LC812
Lims ID: 460-270065-A-2-A Lab Sample ID: 200-270065-2
Client ID: BCS-09-19_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 15
Injection Vol: 20.0 ul 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

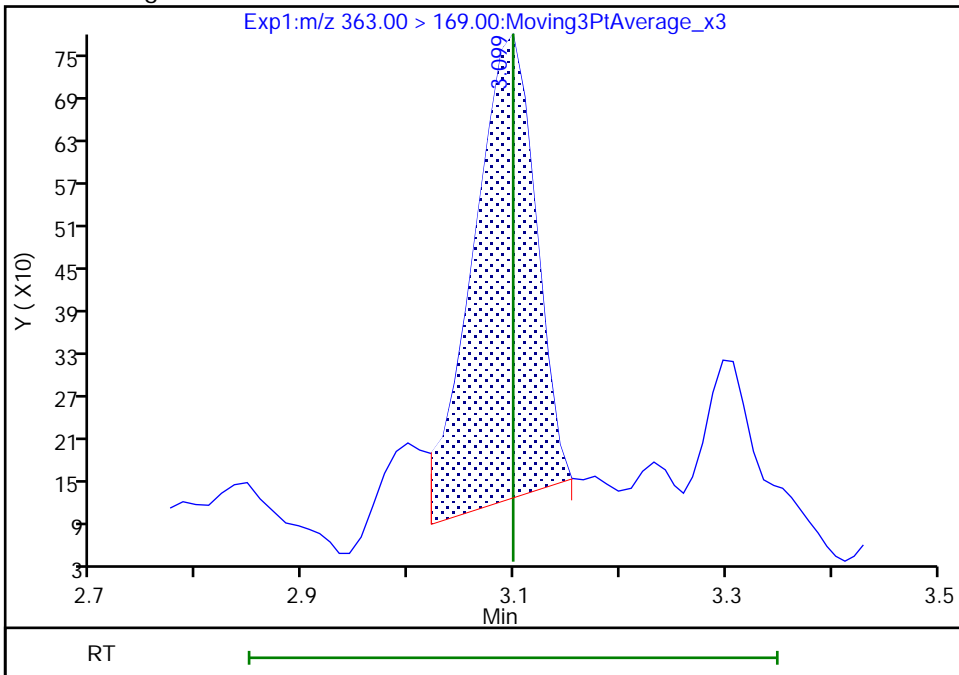
RT: 3.10
Area: 2307
Amount: 0.006799
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 2702
Amount: 0.005887
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:39:23

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

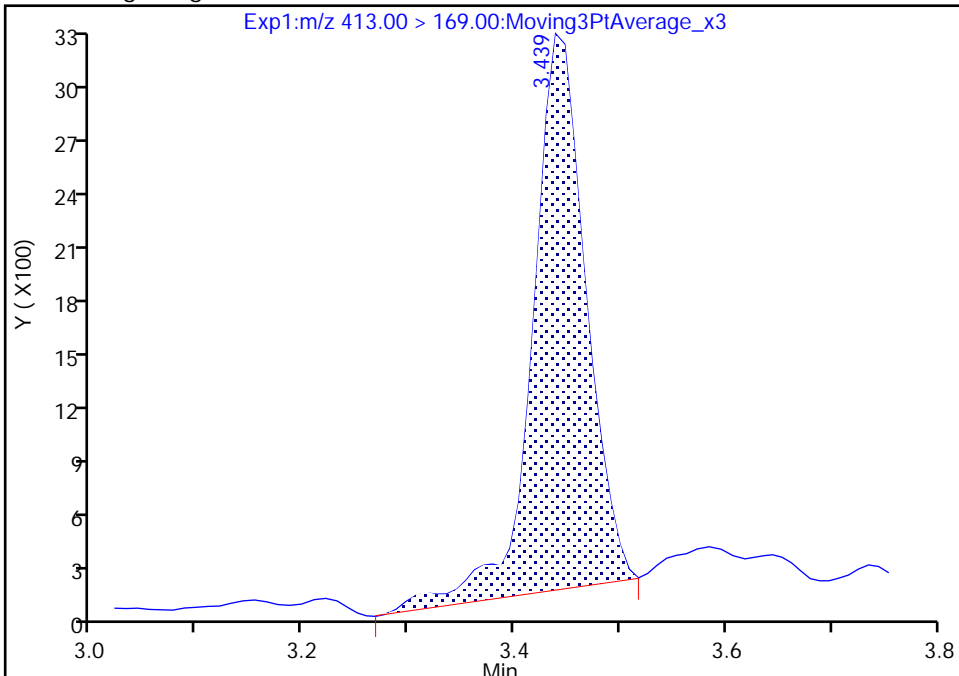
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A15.d
Injection Date: 02-Dec-2022 14:03:14 Instrument ID: LC812
Lims ID: 460-270065-A-2-A Lab Sample ID: 200-270065-2
Client ID: BCS-09-19_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 15
Injection Vol: 20.0 ul 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

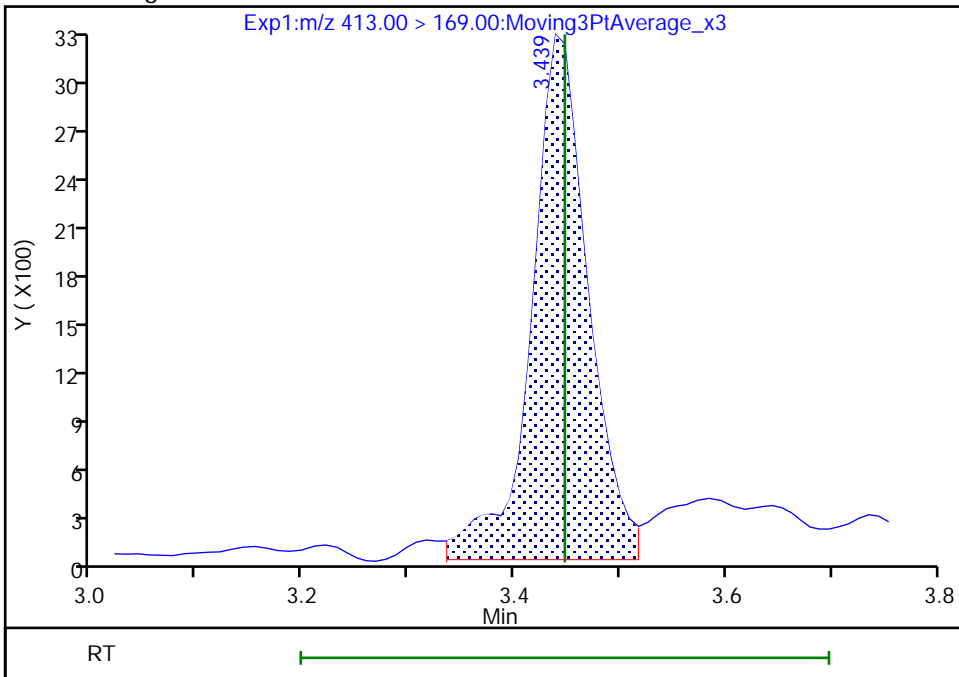
RT: 3.44
Area: 11006
Amount: 0.018981
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 12195
Amount: 0.018981
Amount Units: ng/ml

Manual Integration Results



Reviewer: SJ4N, 05-Dec-2022 11:22:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

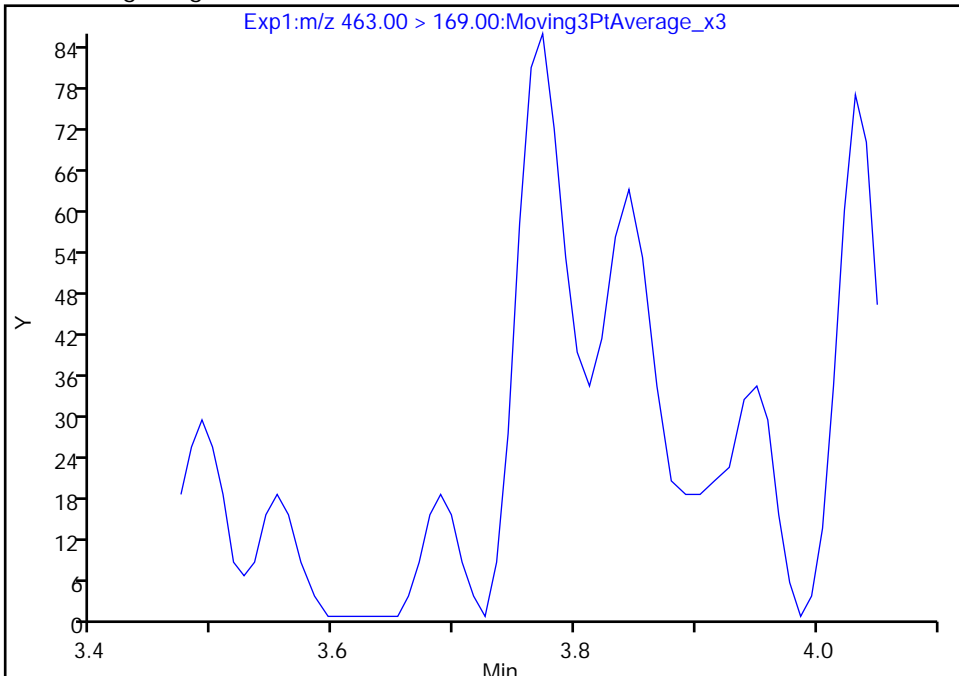
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A15.d
Injection Date: 02-Dec-2022 14:03:14 Instrument ID: LC812
Lims ID: 460-270065-A-2-A Lab Sample ID: 200-270065-2
Client ID: BCS-09-19_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 15
Injection Vol: 20.0 ul 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

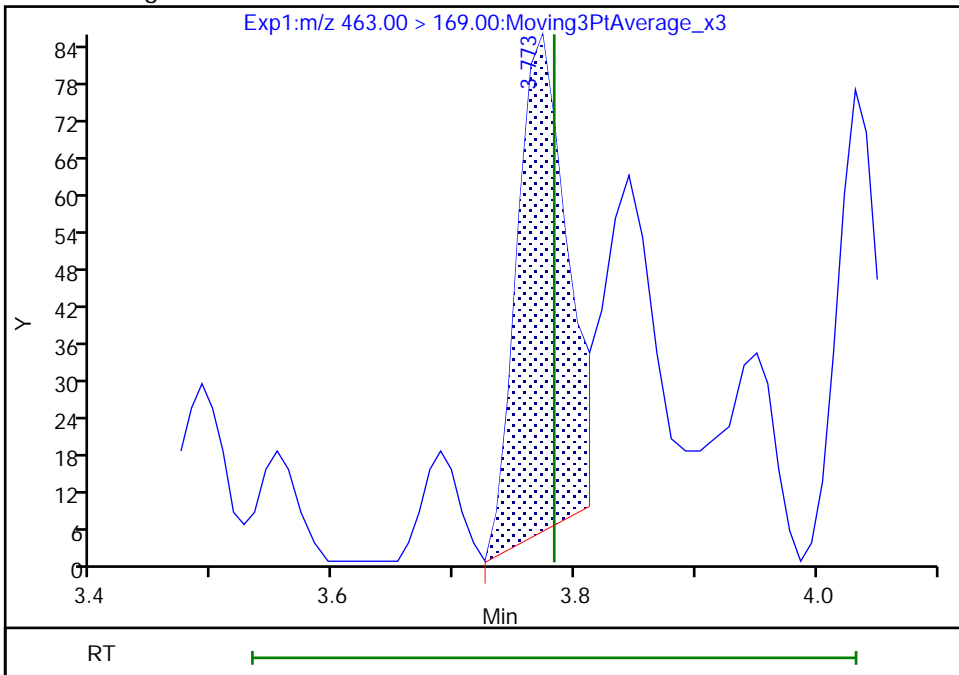
Not Detected
Expected RT: 3.78

Processing Integration Results



Manual Integration Results

RT: 3.77
Area: 230
Amount: 0.001653
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 12:40:32
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

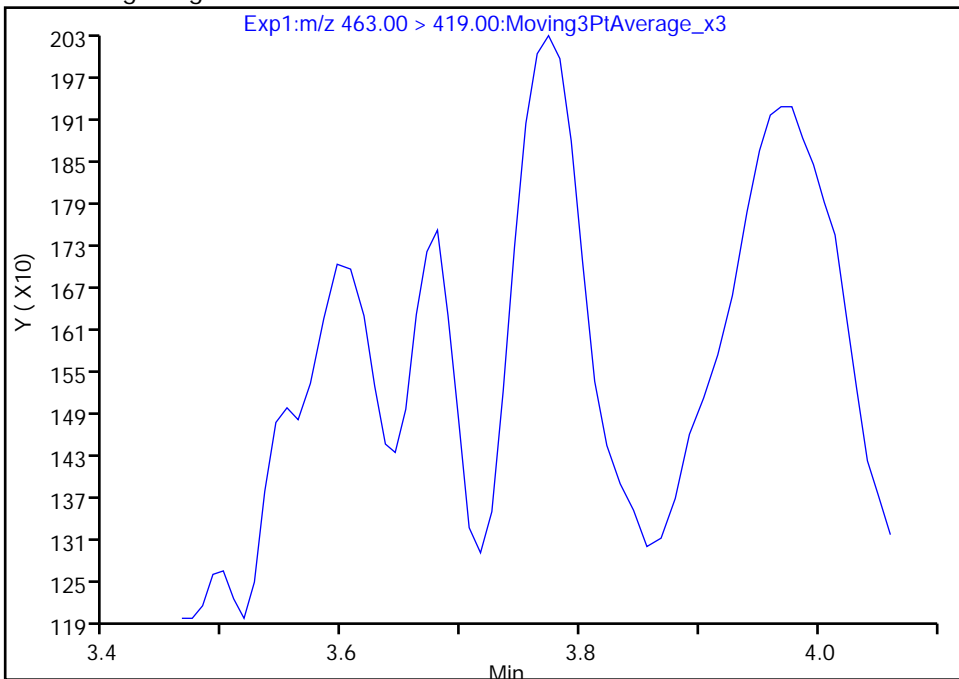
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A15.d
Injection Date: 02-Dec-2022 14:03:14 Instrument ID: LC812
Lims ID: 460-270065-A-2-A Lab Sample ID: 200-270065-2
Client ID: BCS-09-19_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 15
Injection Vol: 20.0 ul 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

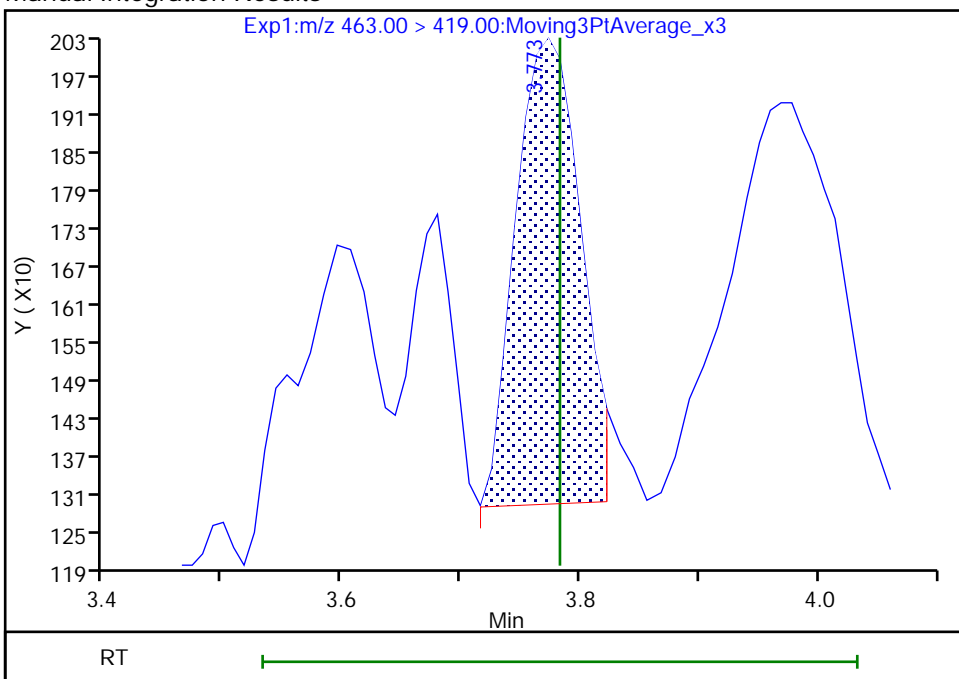
Not Detected
Expected RT: 3.78

Processing Integration Results



Manual Integration Results

RT: 3.77
Area: 2775
Amount: 0.001653
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 12:40:34

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

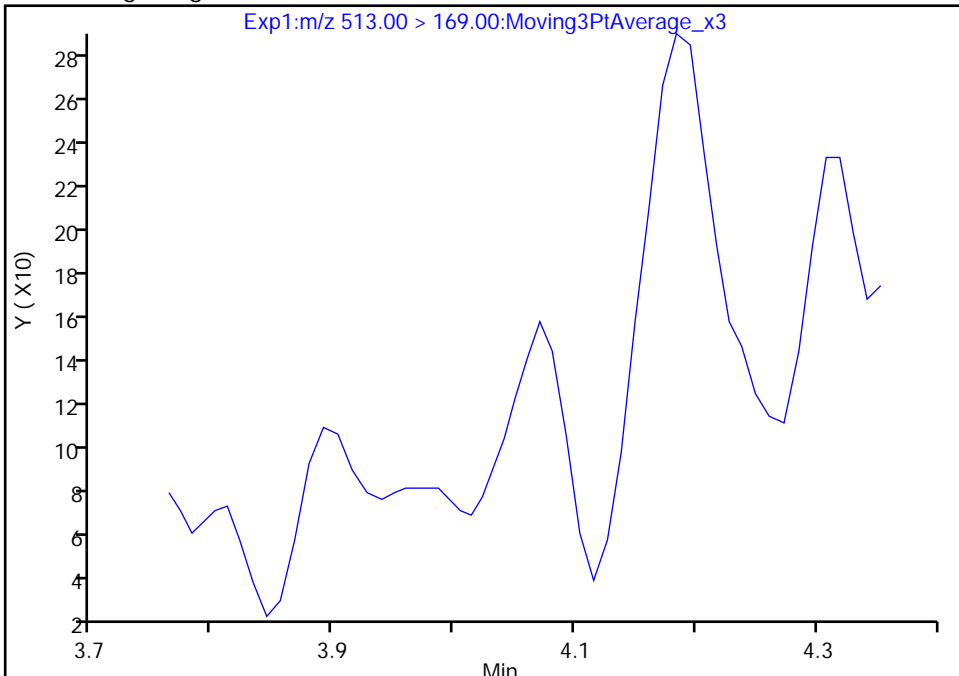
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A15.d
Injection Date: 02-Dec-2022 14:03:14 Instrument ID: LC812
Lims ID: 460-270065-A-2-A Lab Sample ID: 200-270065-2
Client ID: BCS-09-19_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 15
Injection Vol: 20.0 ul 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

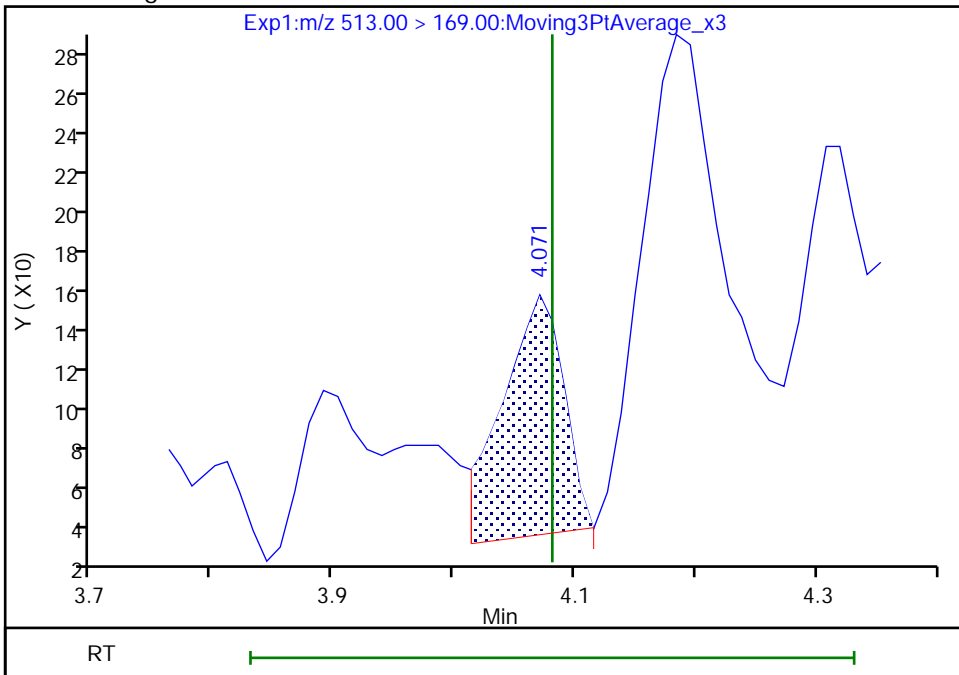
Not Detected
Expected RT: 4.08

Processing Integration Results



Manual Integration Results

RT: 4.07
Area: 414
Amount: 0.001765
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 12:40:45
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

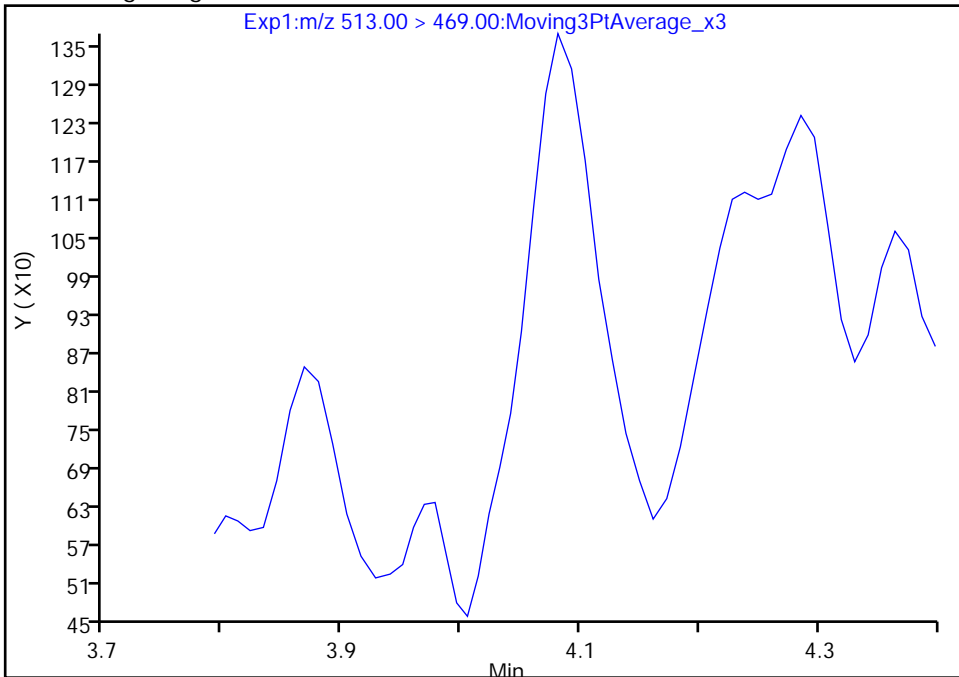
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A15.d
Injection Date: 02-Dec-2022 14:03:14 Instrument ID: LC812
Lims ID: 460-270065-A-2-A Lab Sample ID: 200-270065-2
Client ID: BCS-09-19_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 15
Injection Vol: 20.0 ul 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

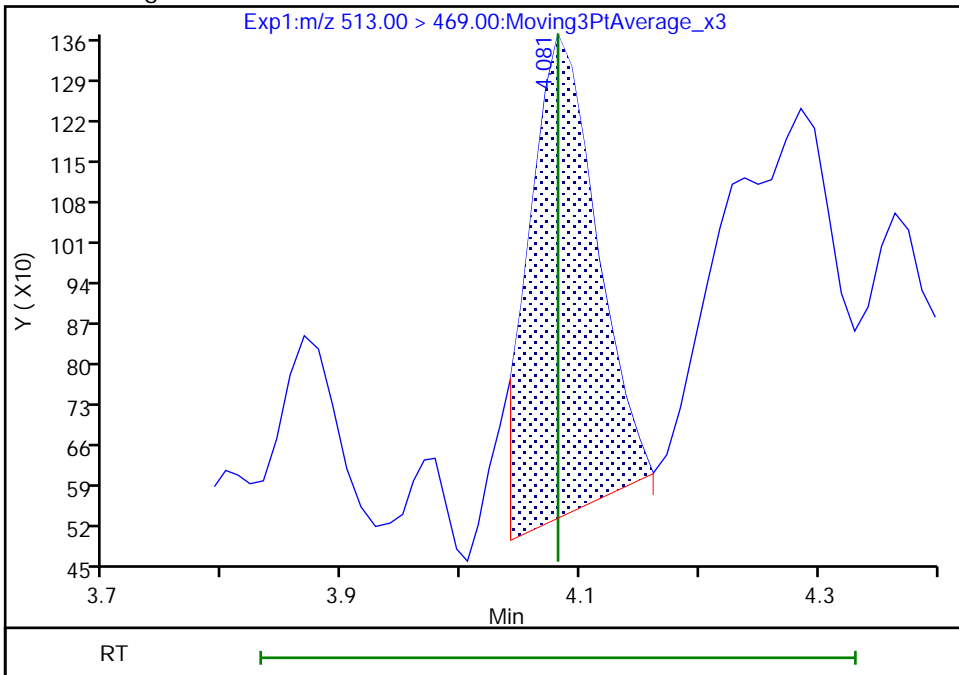
Not Detected
Expected RT: 4.08

Processing Integration Results



RT: 4.08
Area: 3266
Amount: 0.001765
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:40:46

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

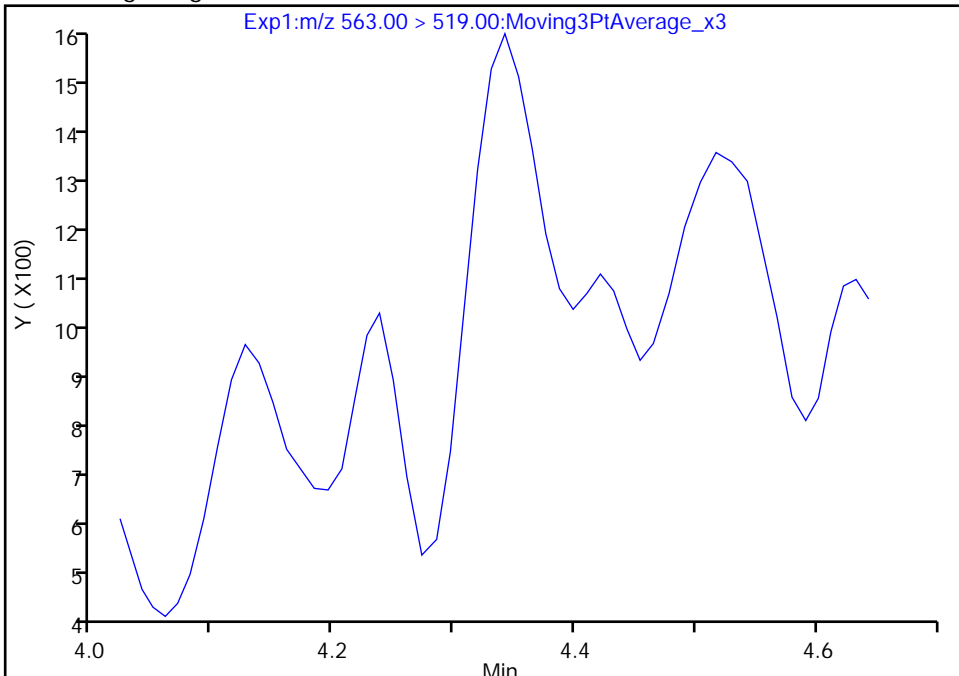
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A15.d
Injection Date: 02-Dec-2022 14:03:14 Instrument ID: LC812
Lims ID: 460-270065-A-2-A Lab Sample ID: 200-270065-2
Client ID: BCS-09-19_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 15
Injection Vol: 20.0 ul 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

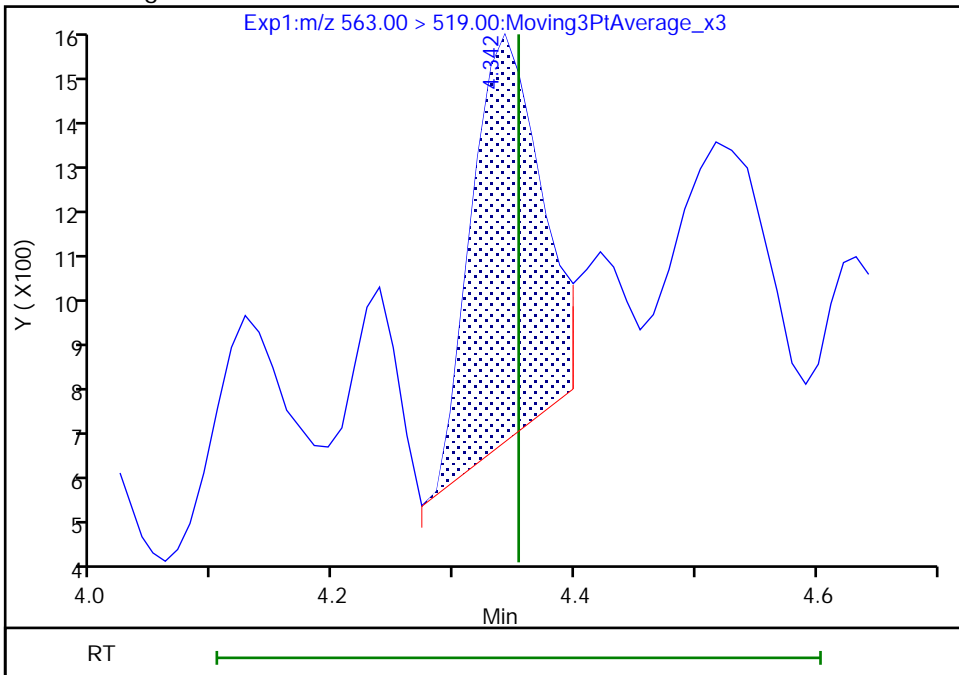
Not Detected
Expected RT: 4.35

Processing Integration Results



Manual Integration Results

RT: 4.34
Area: 3286
Amount: 0.002173
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 12:41:25
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

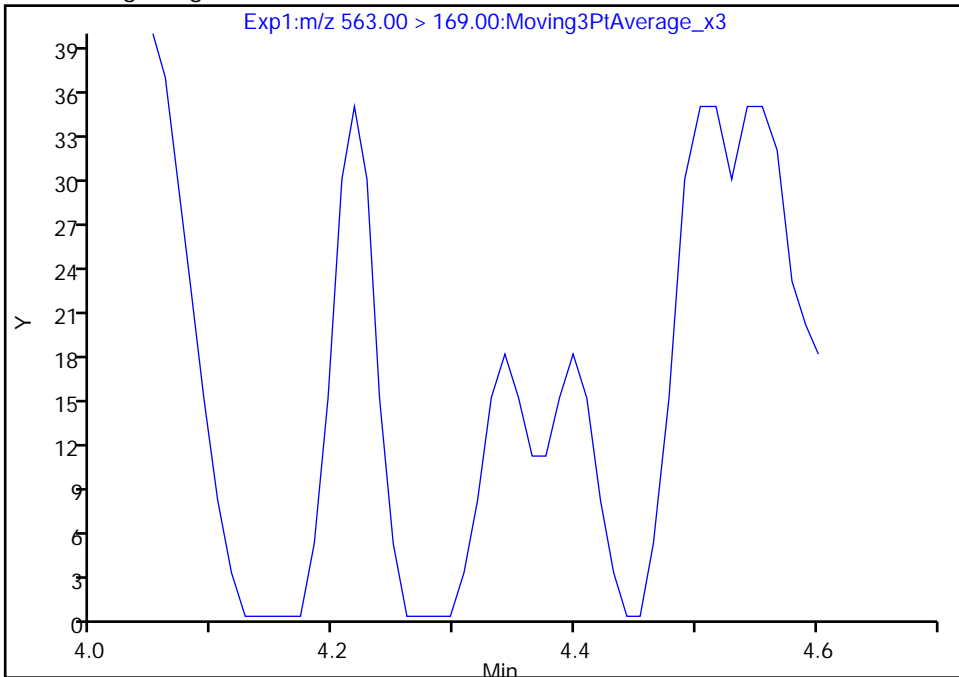
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A15.d
Injection Date: 02-Dec-2022 14:03:14 Instrument ID: LC812
Lims ID: 460-270065-A-2-A Lab Sample ID: 200-270065-2
Client ID: BCS-09-19_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 15
Injection Vol: 20.0 ul 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

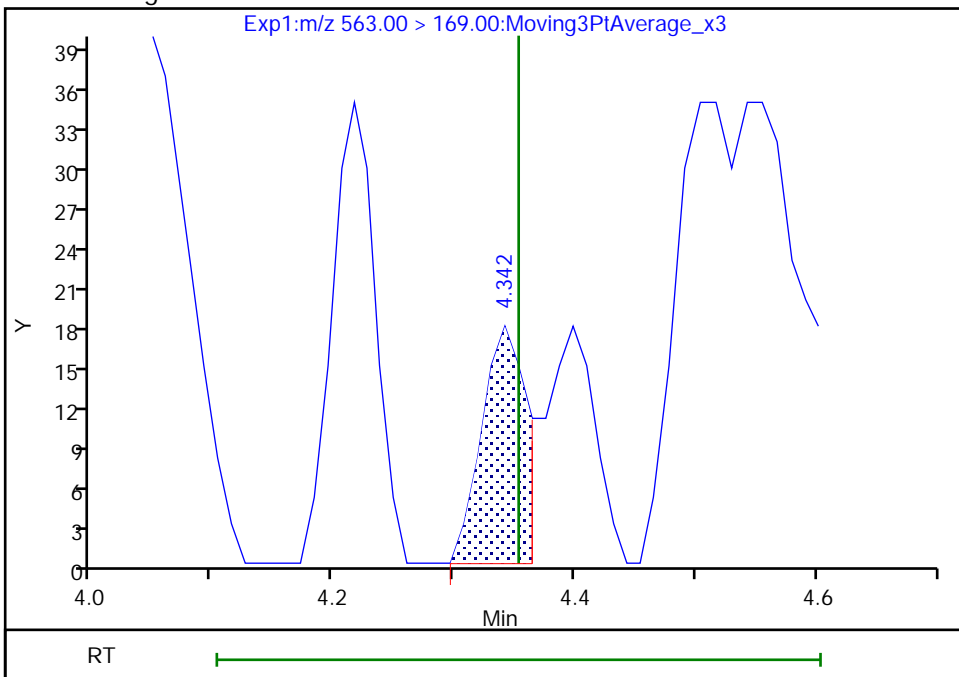
Not Detected
Expected RT: 4.35

Processing Integration Results



Manual Integration Results

RT: 4.34
Area: 43
Amount: 0.002173
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 12:41:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 95 of 939

Eurofins Burlington

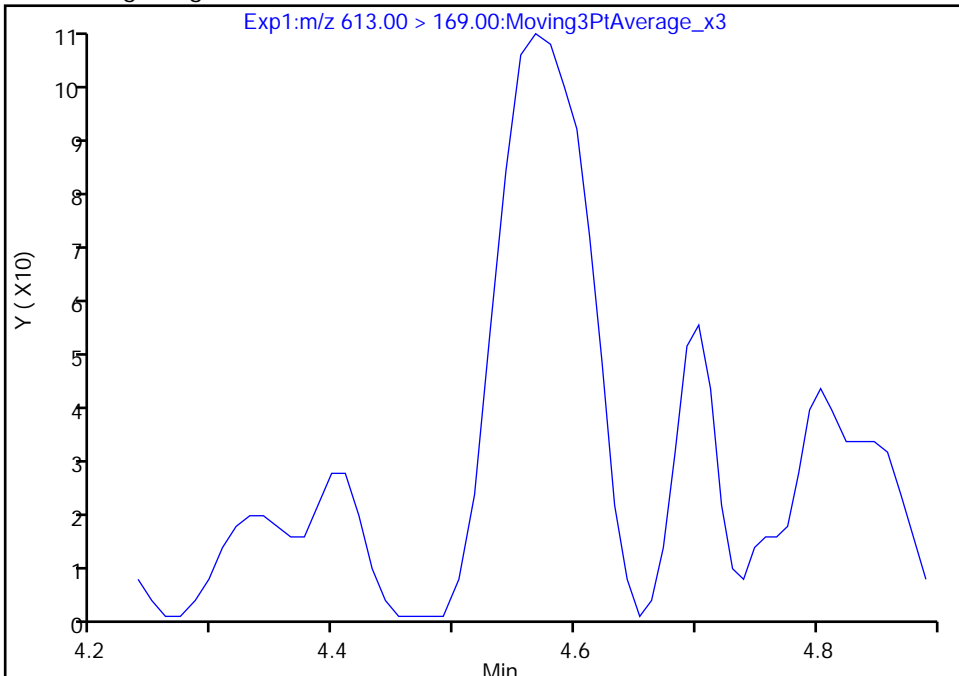
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A15.d
Injection Date: 02-Dec-2022 14:03:14 Instrument ID: LC812
Lims ID: 460-270065-A-2-A Lab Sample ID: 200-270065-2
Client ID: BCS-09-19_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 15
Injection Vol: 20.0 ul 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

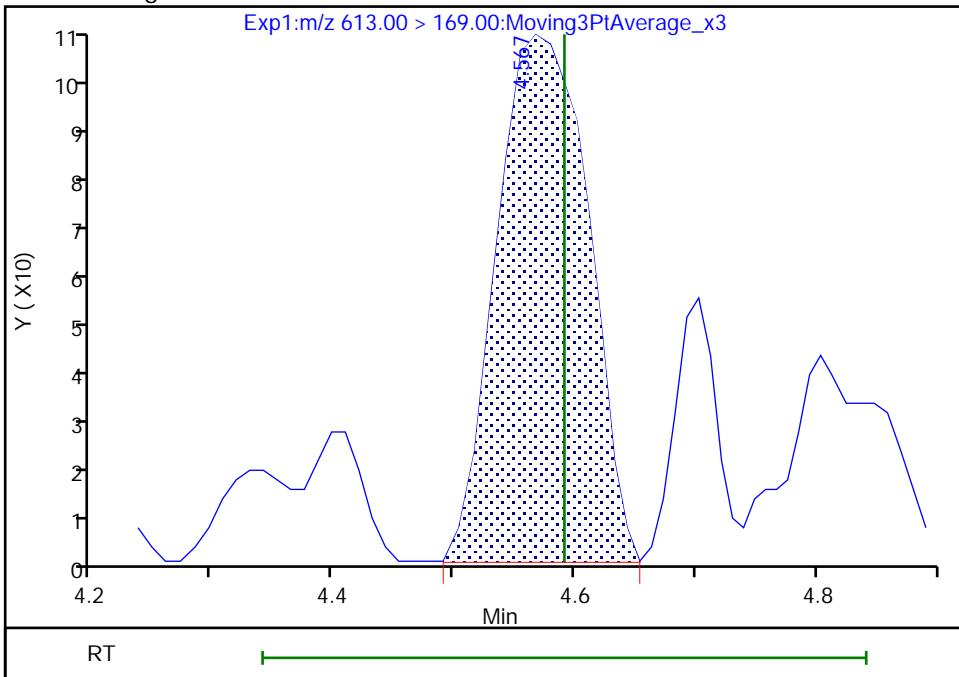
Not Detected
Expected RT: 4.59

Processing Integration Results



RT: 4.57
Area: 581
Amount: 0.000921
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:41:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

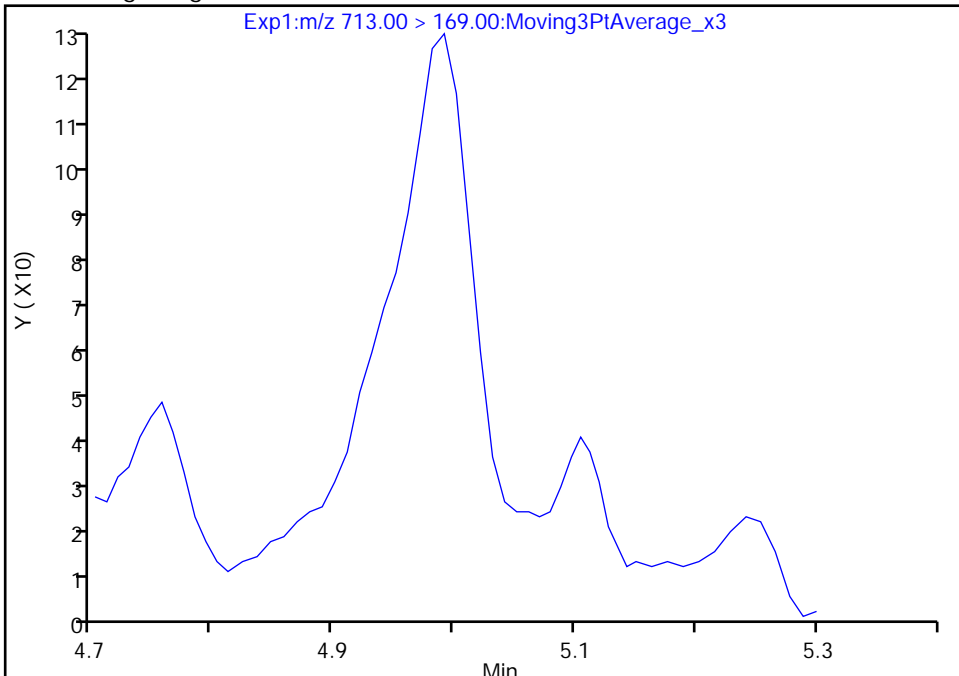
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A15.d
Injection Date: 02-Dec-2022 14:03:14 Instrument ID: LC812
Lims ID: 460-270065-A-2-A Lab Sample ID: 200-270065-2
Client ID: BCS-09-19_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 15
Injection Vol: 20.0 ul 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

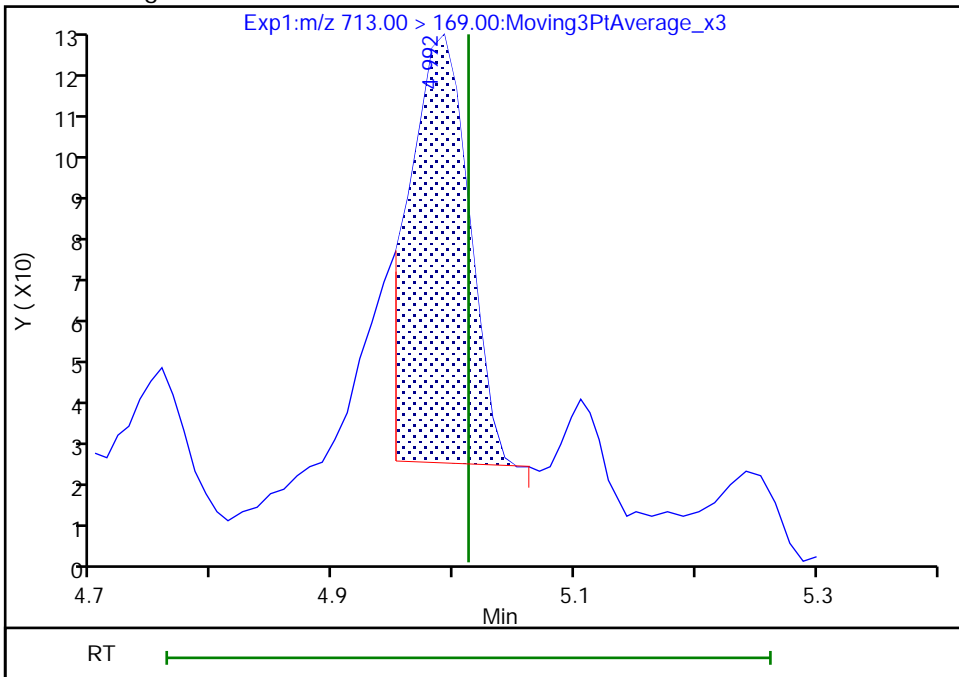
Not Detected
Expected RT: 5.01

Processing Integration Results



Manual Integration Results

RT: 4.99
Area: 318
Amount: 0.001673
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 12:42:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 97 of 939

Eurofins Burlington

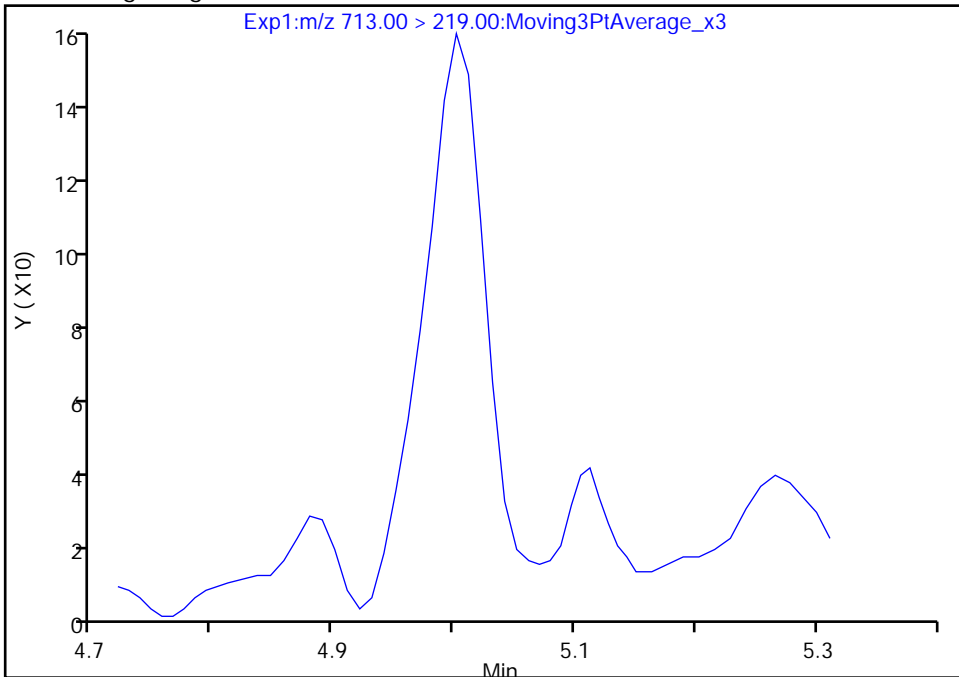
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A15.d
Injection Date: 02-Dec-2022 14:03:14 Instrument ID: LC812
Lims ID: 460-270065-A-2-A Lab Sample ID: 200-270065-2
Client ID: BCS-09-19_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 15
Injection Vol: 20.0 ul 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

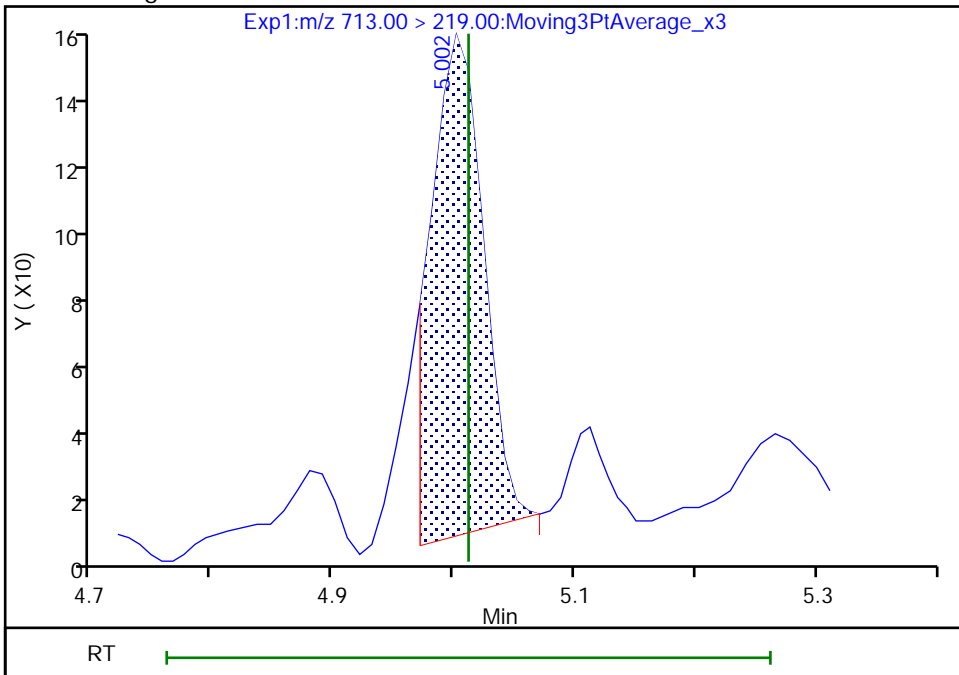
Not Detected
Expected RT: 5.01

Processing Integration Results



Manual Integration Results

RT: 5.00
Area: 438
Amount: 0.001673
Amount Units: ng/ml



Eurofins Burlington

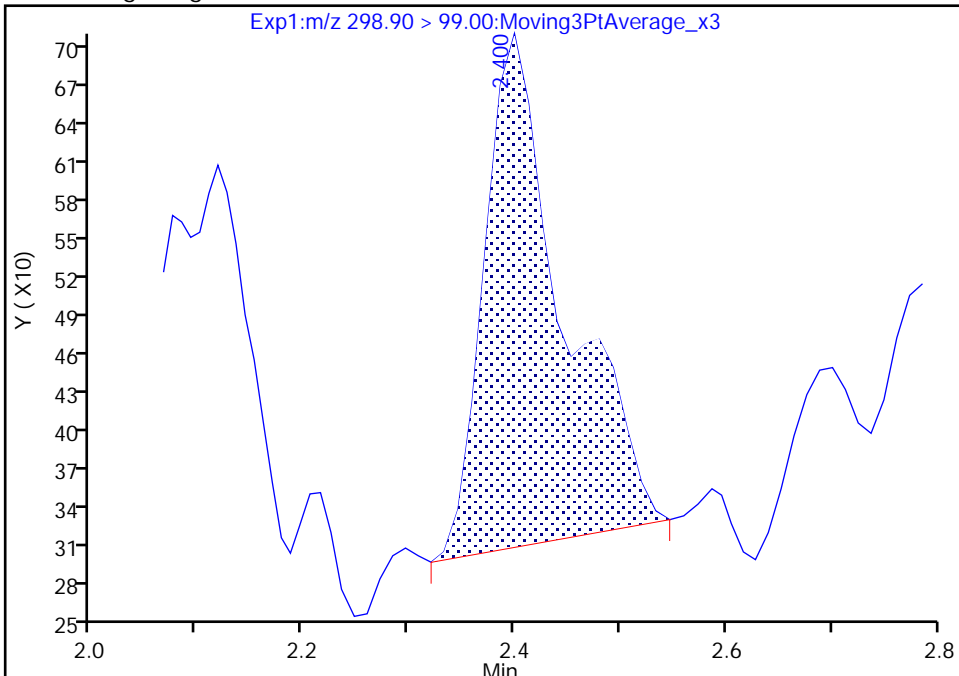
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A15.d
Injection Date: 02-Dec-2022 14:03:14 Instrument ID: LC812
Lims ID: 460-270065-A-2-A Lab Sample ID: 200-270065-2
Client ID: BCS-09-19_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 15
Injection Vol: 20.0 ul 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

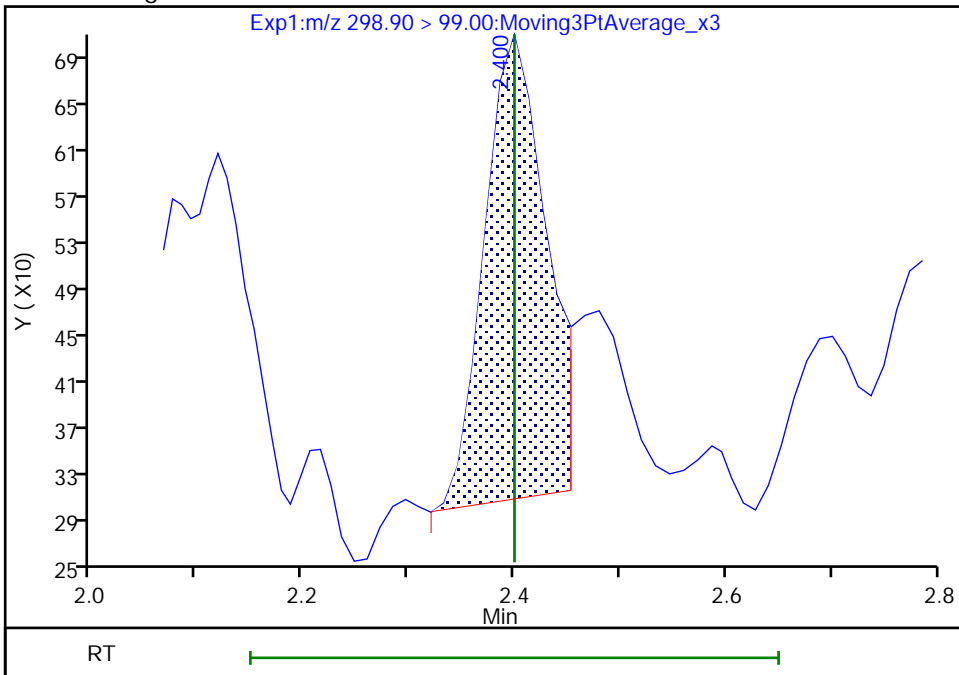
RT: 2.40
Area: 2085
Amount: 0.002255
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 1596
Amount: 0.001738
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:38:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

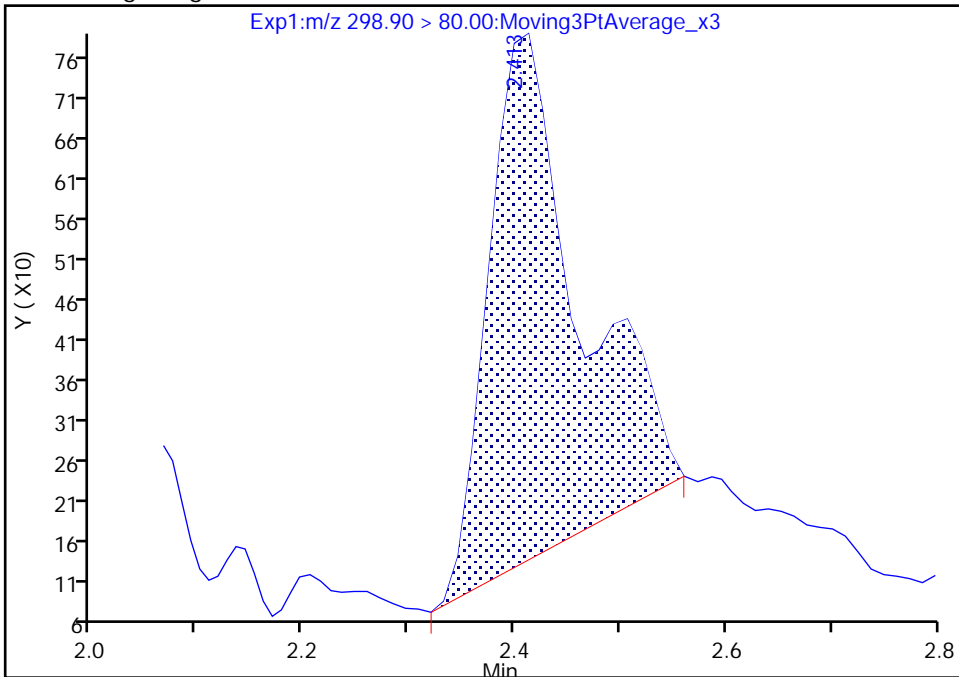
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A15.d
Injection Date: 02-Dec-2022 14:03:14 Instrument ID: LC812
Lims ID: 460-270065-A-2-A Lab Sample ID: 200-270065-2
Client ID: BCS-09-19_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 15
Injection Vol: 20.0 ul 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

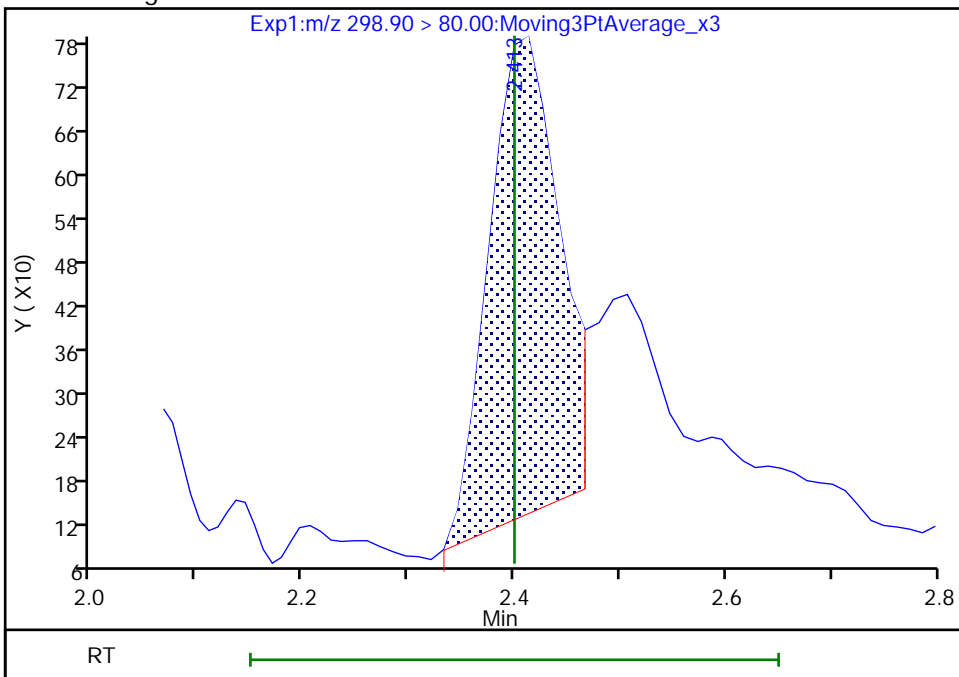
RT: 2.41
Area: 3929
Amount: 0.002255
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 3027
Amount: 0.001738
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

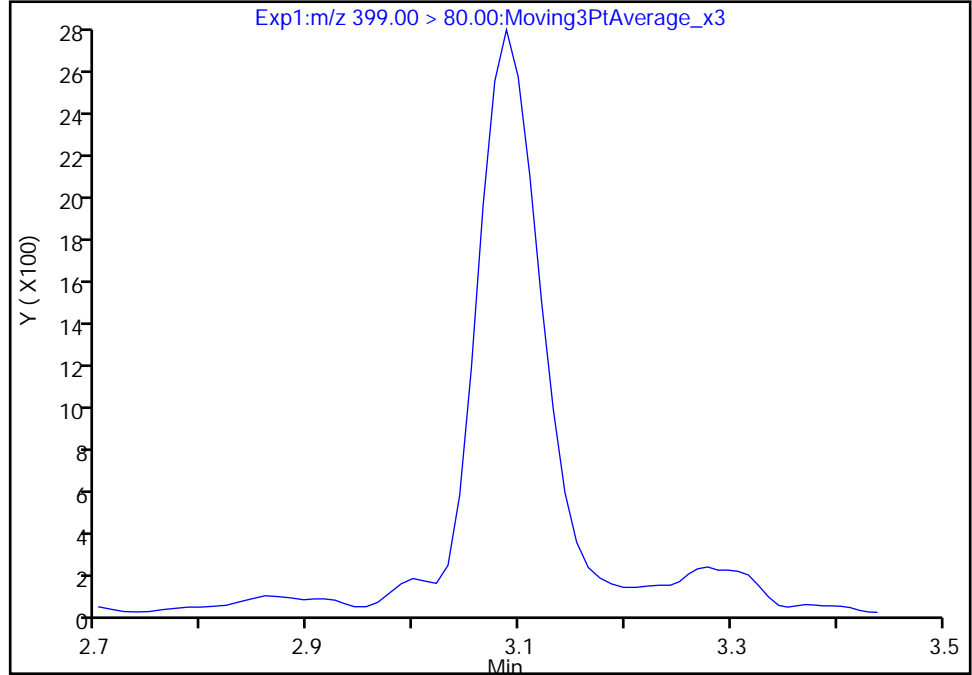
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A15.d
Injection Date: 02-Dec-2022 14:03:14 Instrument ID: LC812
Lims ID: 460-270065-A-2-A Lab Sample ID: 200-270065-2
Client ID: BCS-09-19_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 15
Injection Vol: 20.0 ul 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

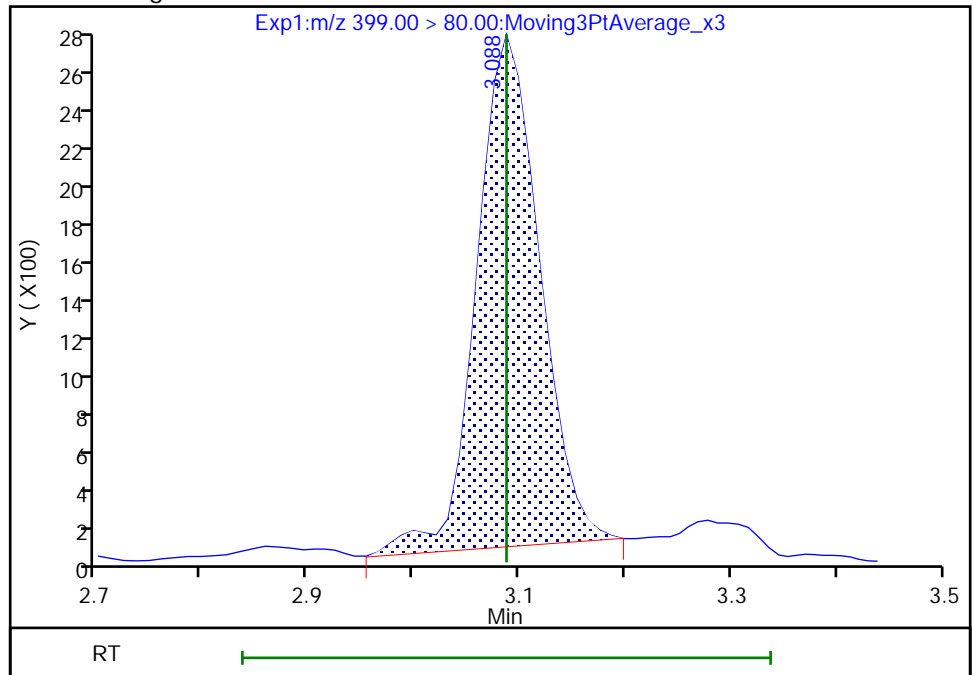
Not Detected
Expected RT: 3.09

Processing Integration Results



Manual Integration Results

RT: 3.09
Area: 11190
Amount: 0.008403
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 12:39:04
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

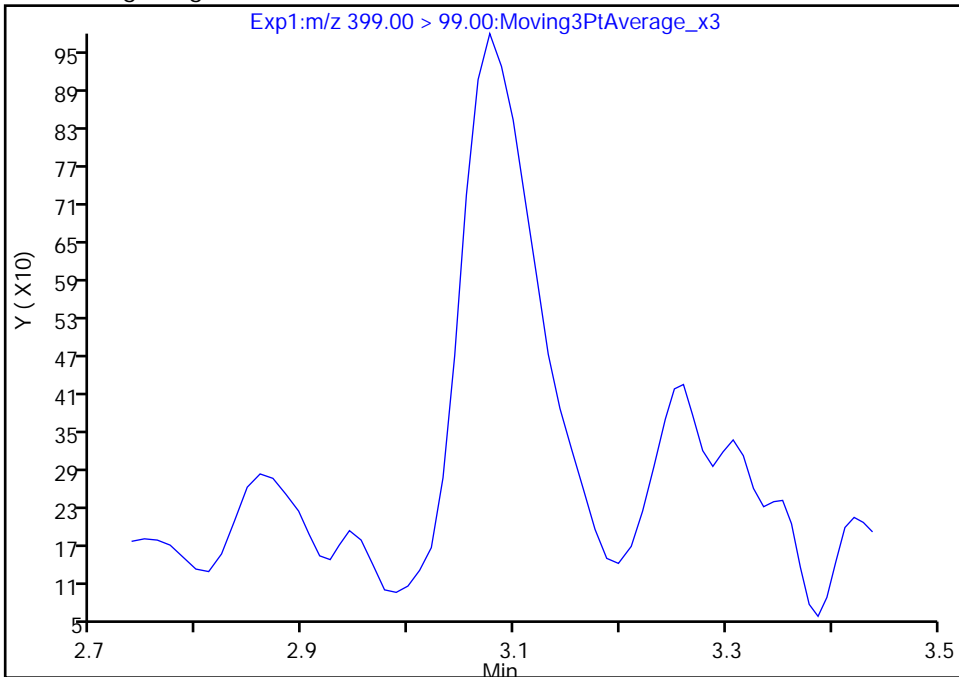
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A15.d
Injection Date: 02-Dec-2022 14:03:14 Instrument ID: LC812
Lims ID: 460-270065-A-2-A Lab Sample ID: 200-270065-2
Client ID: BCS-09-19_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 15
Injection Vol: 20.0 ul 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

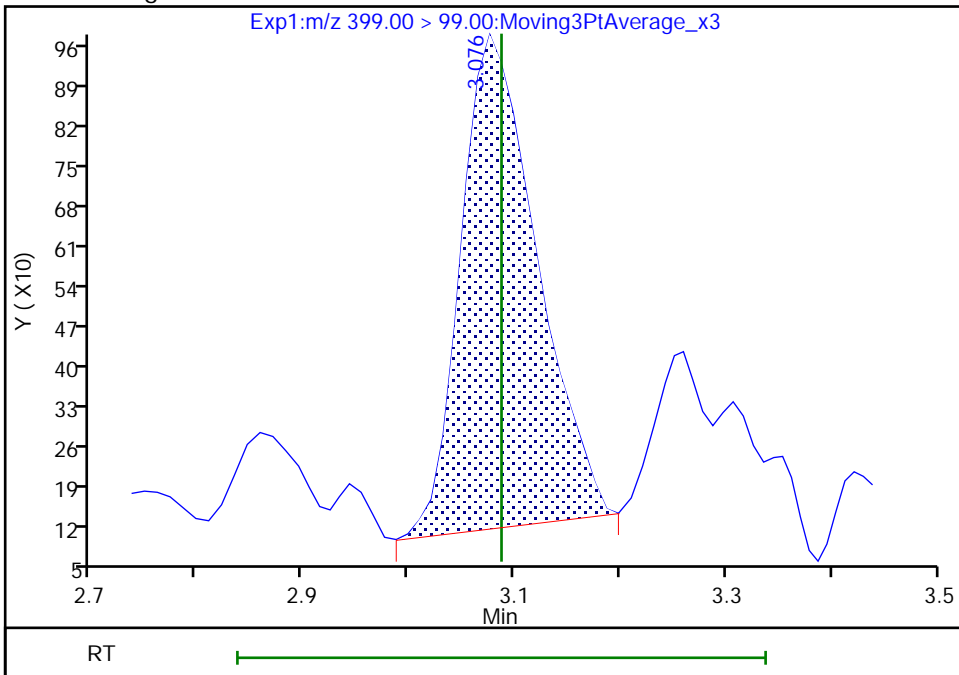
Not Detected
Expected RT: 3.09

Processing Integration Results



Manual Integration Results

RT: 3.08
Area: 4330
Amount: 0.008403
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 12:39:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

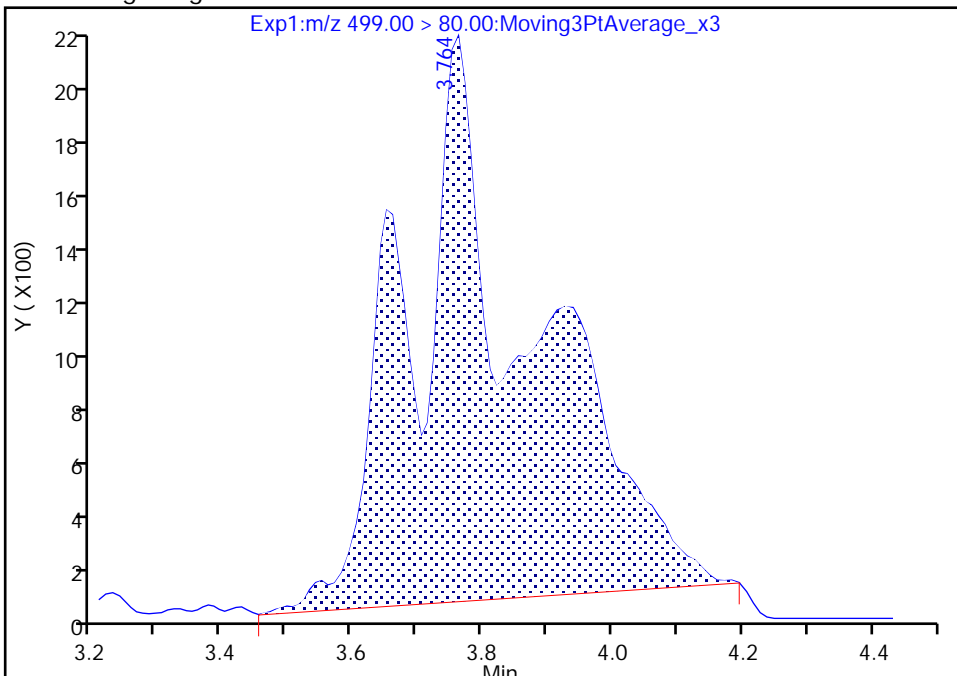
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A15.d
Injection Date: 02-Dec-2022 14:03:14 Instrument ID: LC812
Lims ID: 460-270065-A-2-A Lab Sample ID: 200-270065-2
Client ID: BCS-09-19_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 15
Injection Vol: 20.0 ul 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

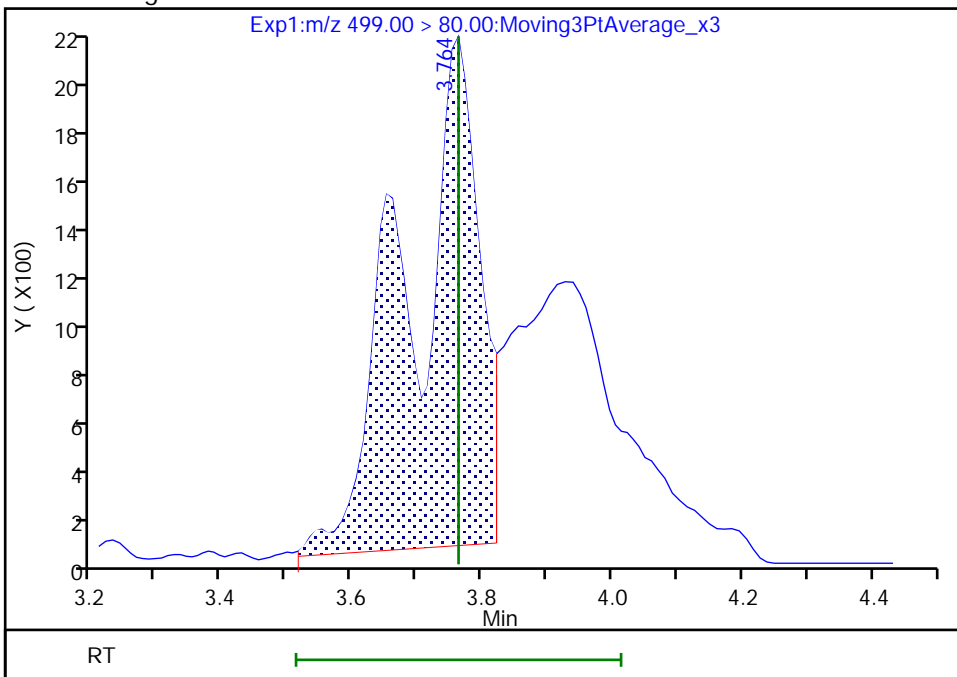
RT: 3.76
Area: 27515
Amount: 0.028144
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 15651
Amount: 0.016009
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:40:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

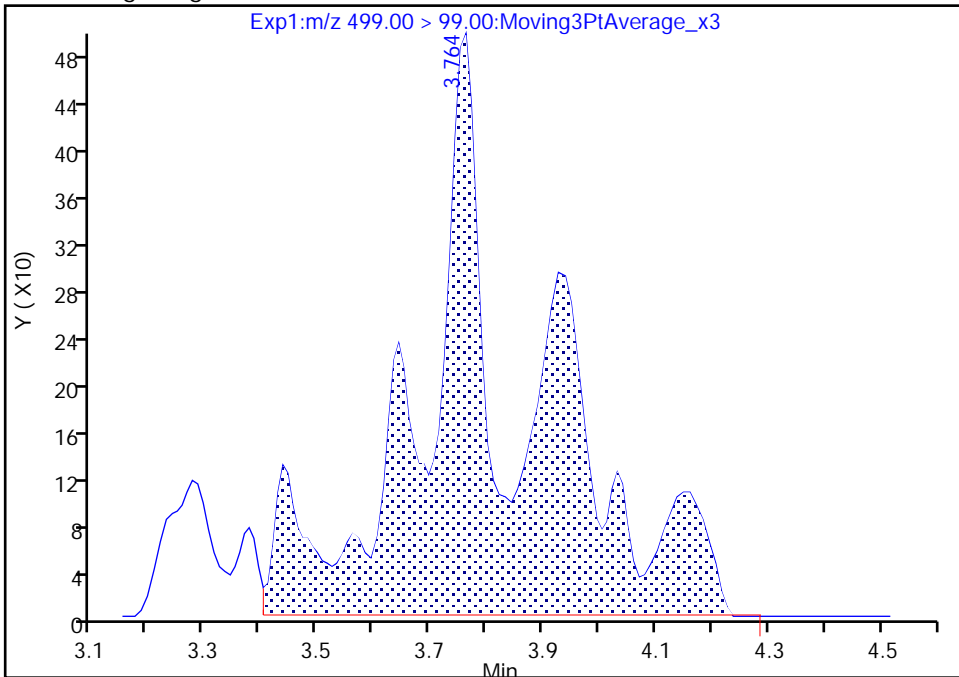
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A15.d
Injection Date: 02-Dec-2022 14:03:14 Instrument ID: LC812
Lims ID: 460-270065-A-2-A Lab Sample ID: 200-270065-2
Client ID: BCS-09-19_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 15
Injection Vol: 20.0 ul 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

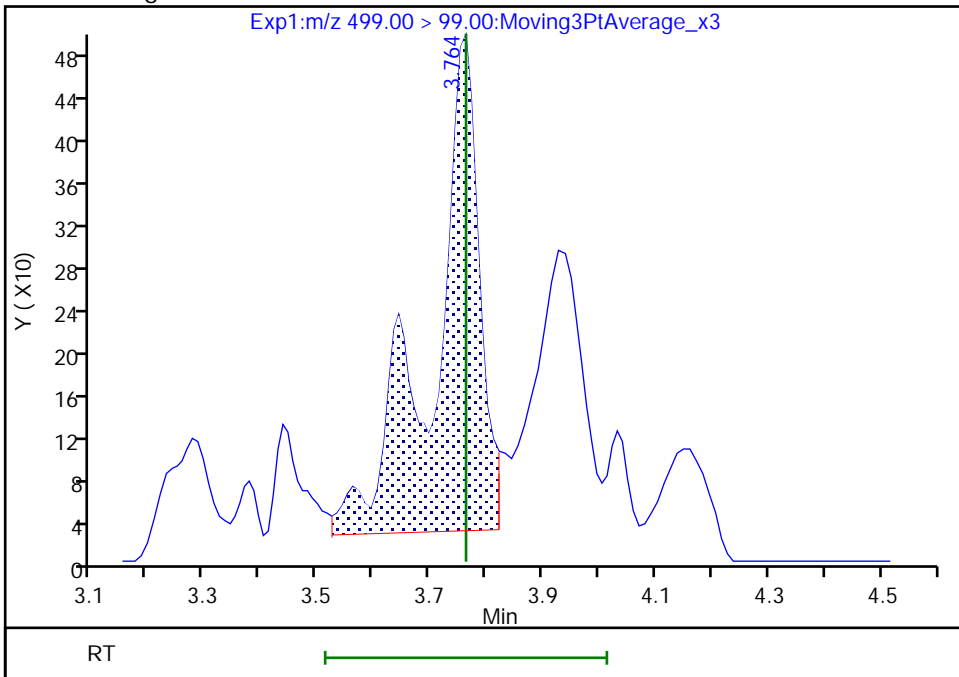
RT: 3.76
Area: 6563
Amount: 0.028144
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 2687
Amount: 0.016009
Amount Units: ng/ml

Manual Integration Results



Reviewer: SJ4N, 05-Dec-2022 11:21:51

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

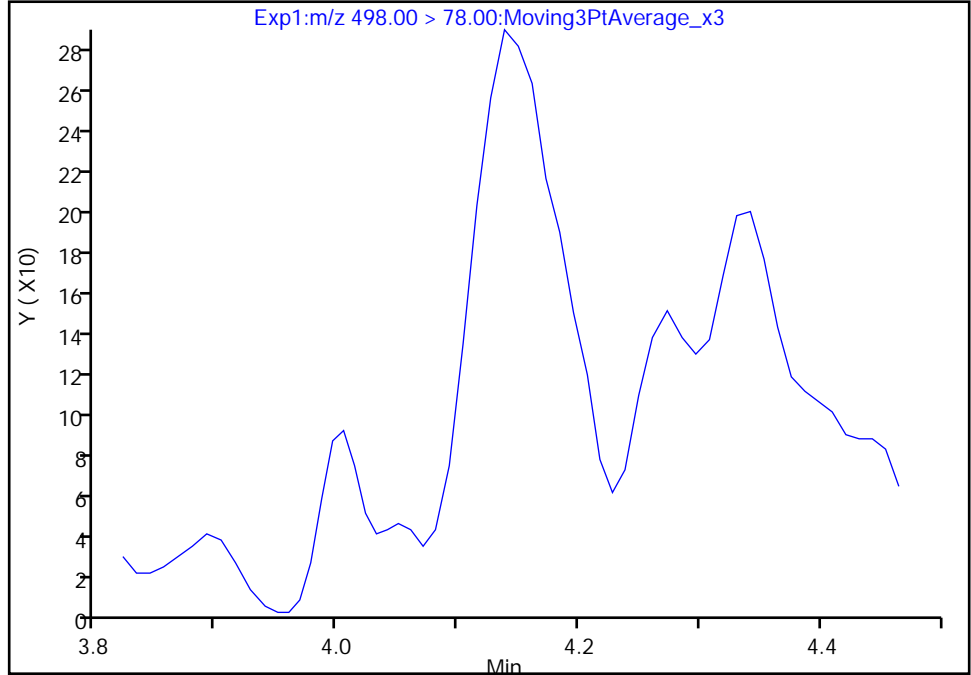
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A15.d
Injection Date: 02-Dec-2022 14:03:14 Instrument ID: LC812
Lims ID: 460-270065-A-2-A Lab Sample ID: 200-270065-2
Client ID: BCS-09-19_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 15
Injection Vol: 20.0 ul 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

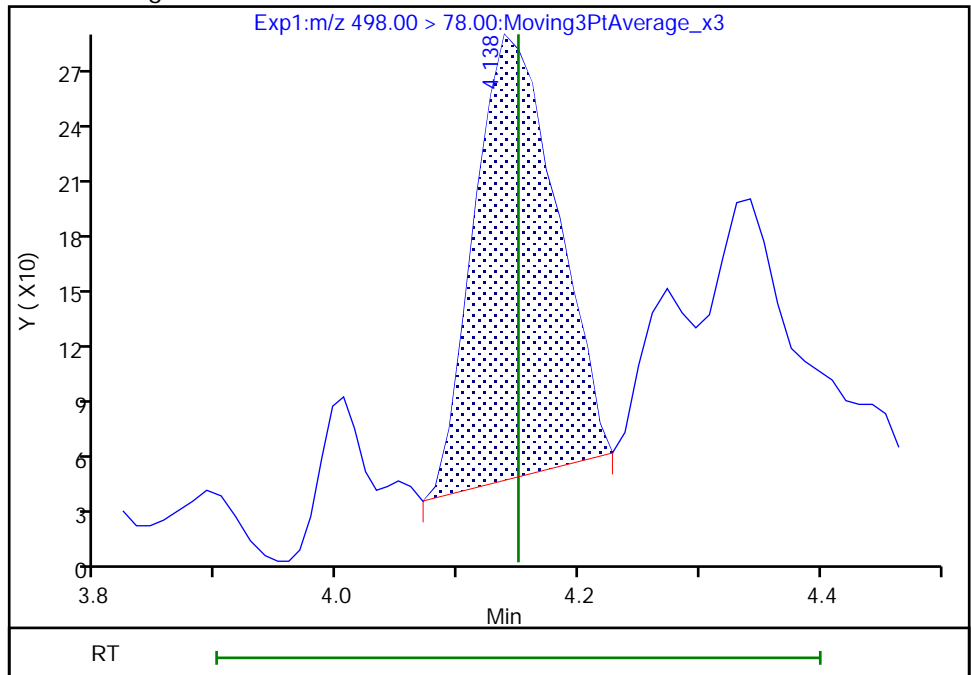
Not Detected
Expected RT: 4.15

Processing Integration Results



Manual Integration Results

RT: 4.14
Area: 1122
Amount: 0.000834
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 12:40:58
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

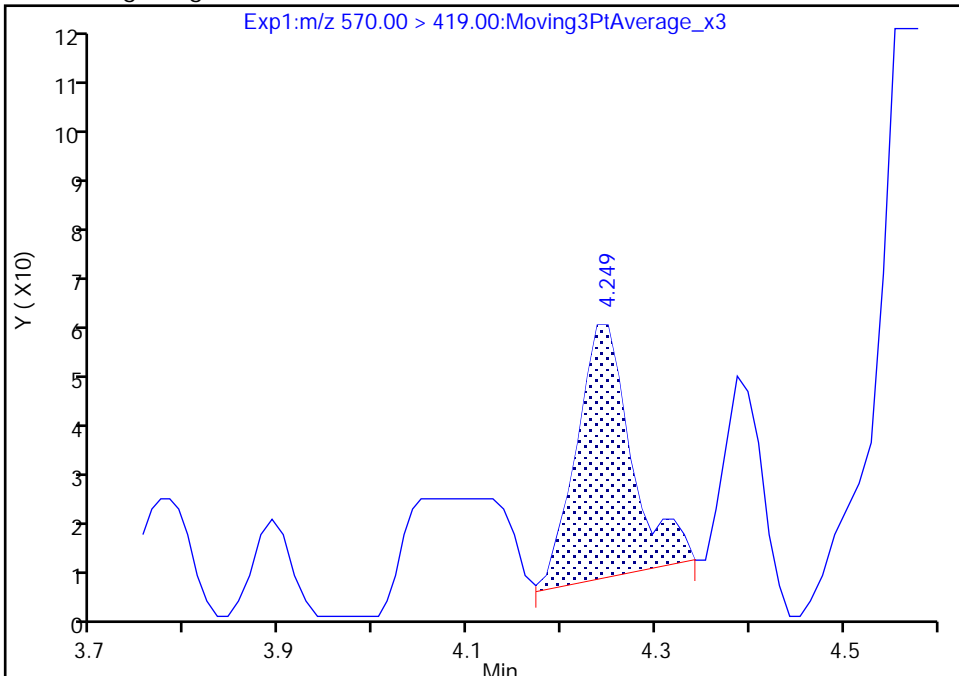
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A15.d
Injection Date: 02-Dec-2022 14:03:14 Instrument ID: LC812
Lims ID: 460-270065-A-2-A Lab Sample ID: 200-270065-2
Client ID: BCS-09-19_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 15
Injection Vol: 20.0 ul 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

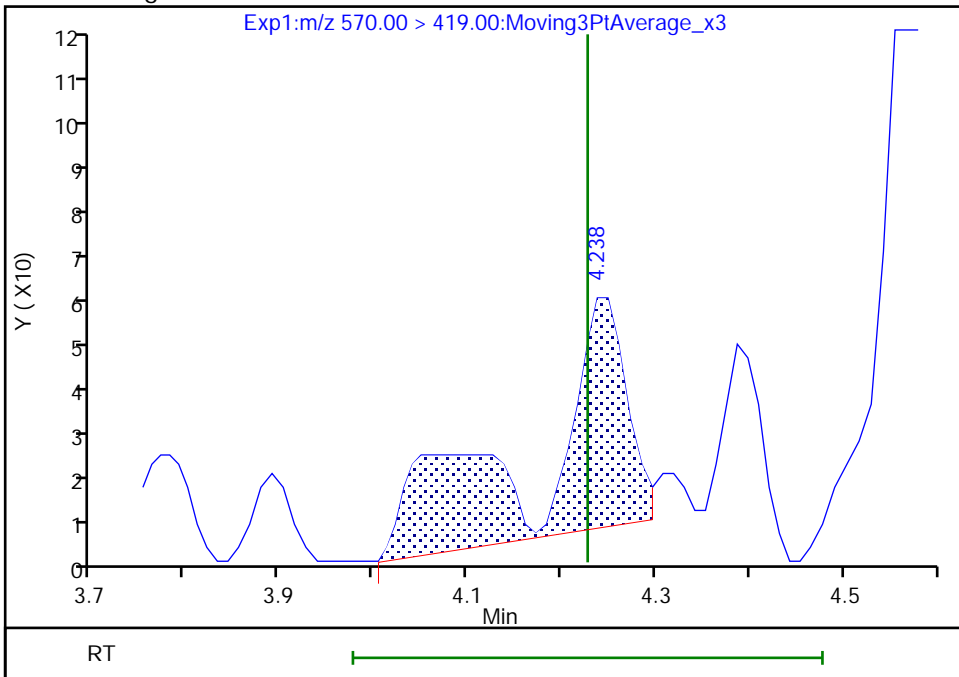
RT: 4.25
Area: 201
Amount: -0.010800
Amount Units: ng/ml

Processing Integration Results



RT: 4.24
Area: 337
Amount: -0.010241
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:41:07
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 106 of 939

Eurofins Burlington

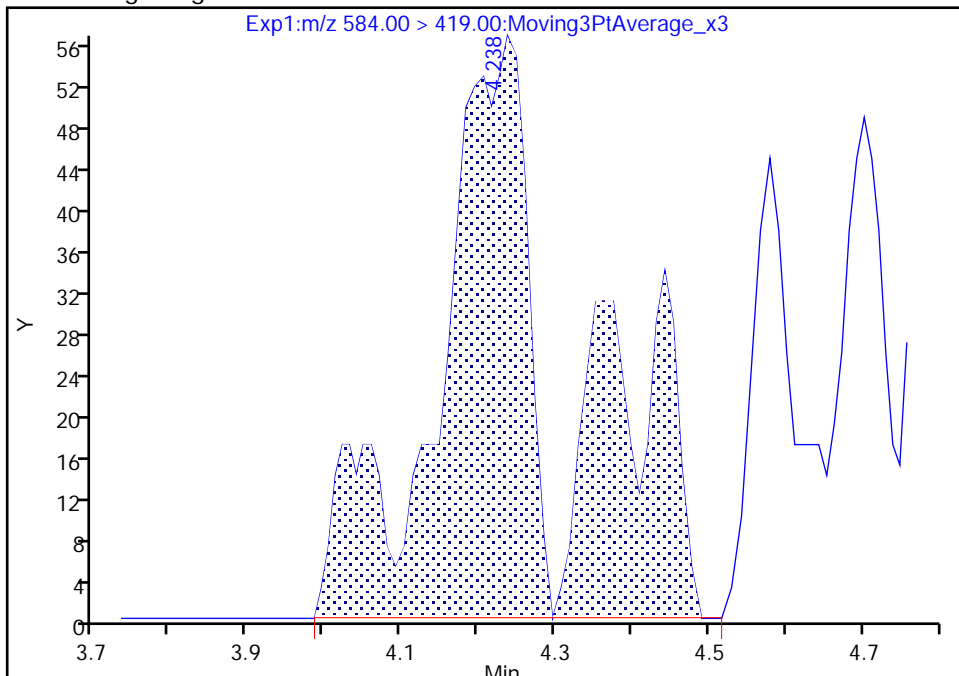
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A15.d
Injection Date: 02-Dec-2022 14:03:14 Instrument ID: LC812
Lims ID: 460-270065-A-2-A Lab Sample ID: 200-270065-2
Client ID: BCS-09-19_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 15
Injection Vol: 20.0 ul 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

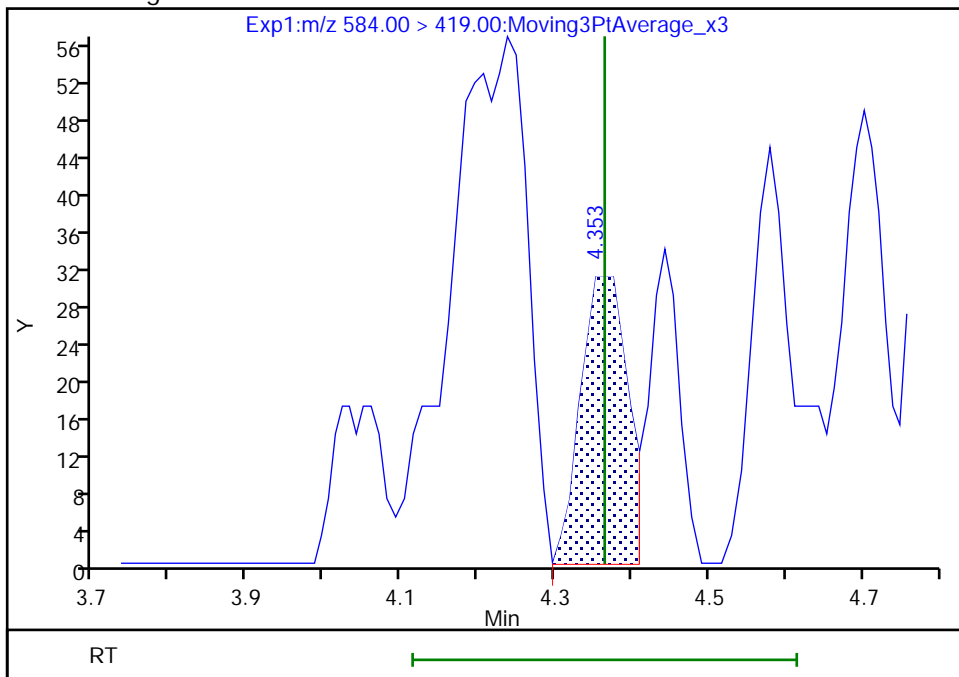
RT: 4.24
Area: 685
Amount: 0.002653
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 129
Amount: 0.000500
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:41:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 107 of 939

Eurofins Burlington

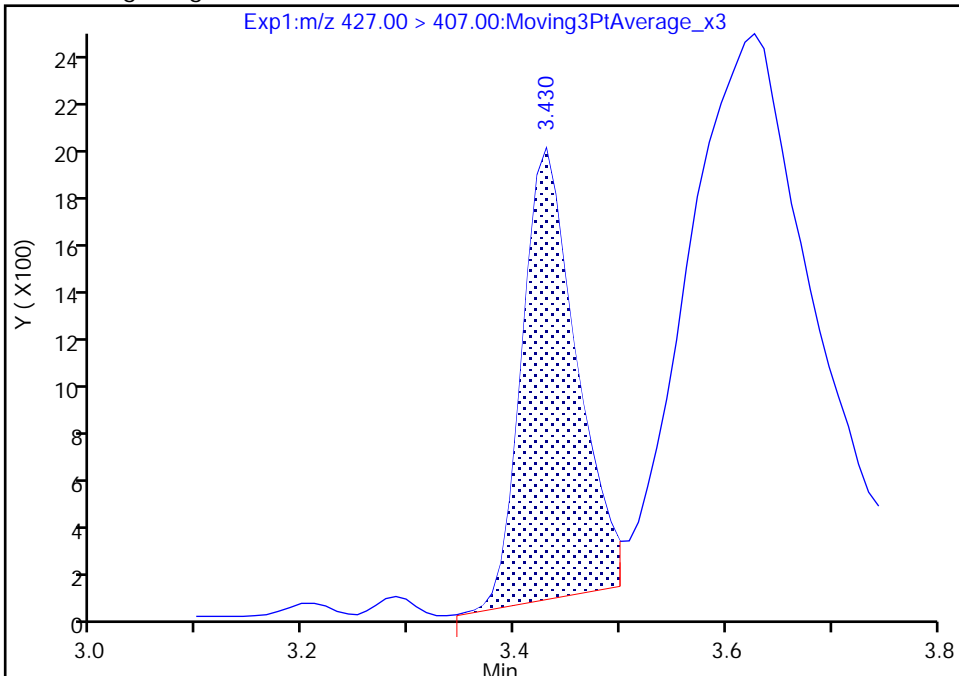
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A15.d
Injection Date: 02-Dec-2022 14:03:14 Instrument ID: LC812
Lims ID: 460-270065-A-2-A Lab Sample ID: 200-270065-2
Client ID: BCS-09-19_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 15
Injection Vol: 20.0 ul 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

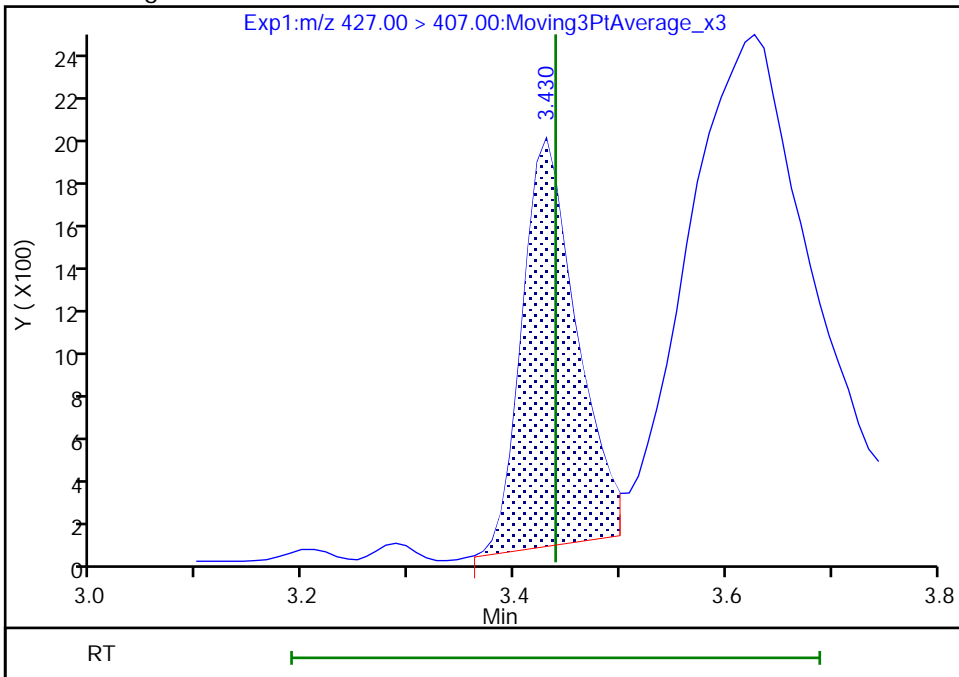
RT: 3.43
Area: 6823
Amount: 0.005058
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 6813
Amount: 0.005033
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:39:44
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 108 of 939

Eurofins Burlington

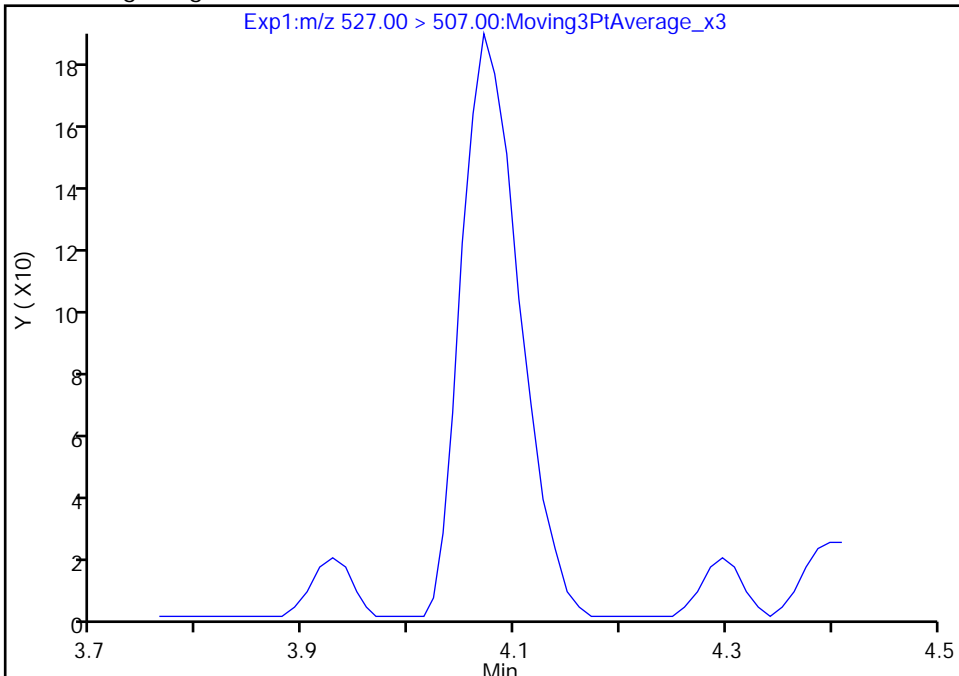
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A15.d
Injection Date: 02-Dec-2022 14:03:14 Instrument ID: LC812
Lims ID: 460-270065-A-2-A Lab Sample ID: 200-270065-2
Client ID: BCS-09-19_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 15
Injection Vol: 20.0 ul 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

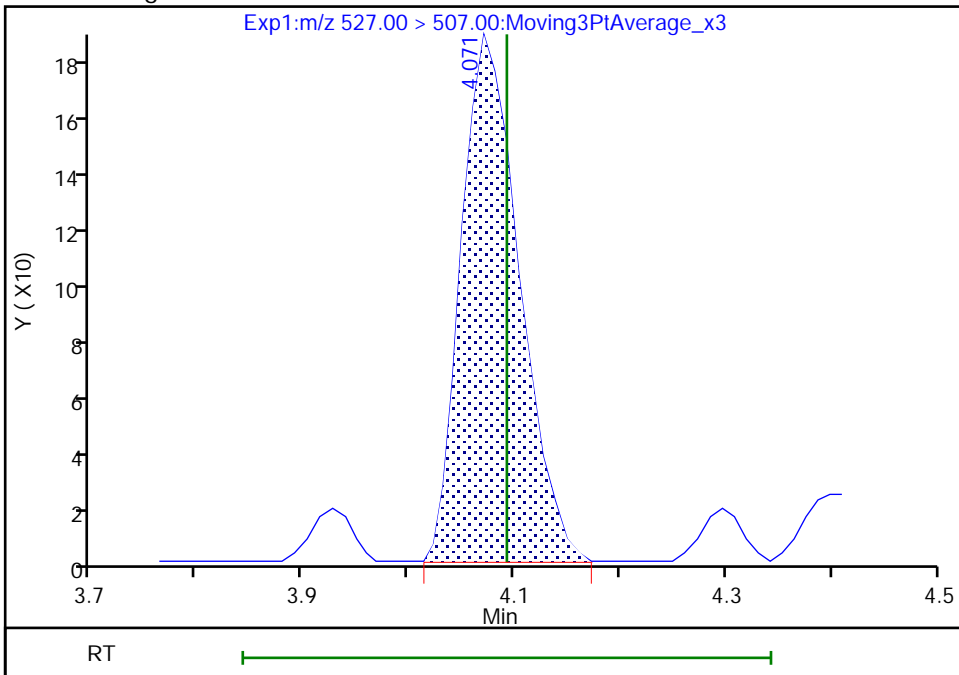
Not Detected
Expected RT: 4.09

Processing Integration Results



Manual Integration Results

RT: 4.07
Area: 724
Amount: 0.001873
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 12:40:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 109 of 939

Eurofins Burlington

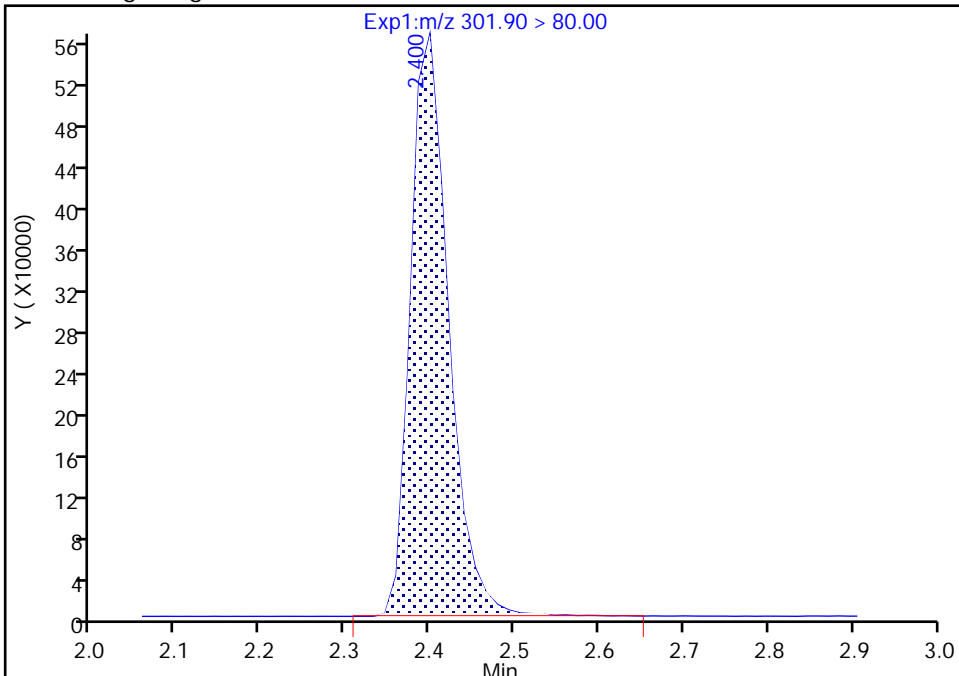
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A15.d
Injection Date: 02-Dec-2022 14:03:14 Instrument ID: LC812
Lims ID: 460-270065-A-2-A Lab Sample ID: 200-270065-2
Client ID: BCS-09-19_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 15
Injection Vol: 20.0 ul 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

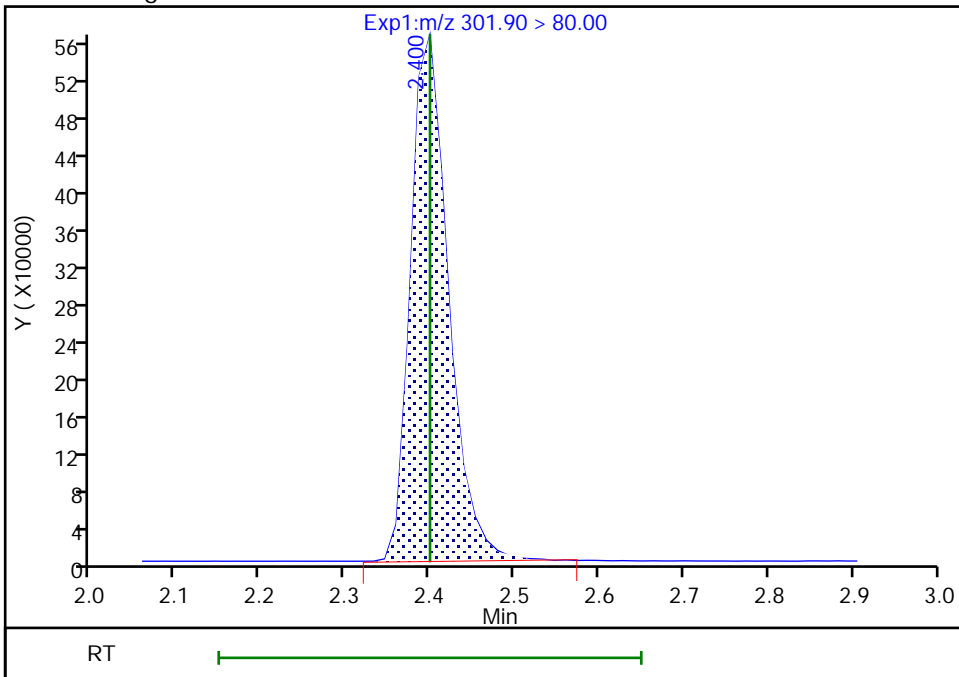
Processing Integration Results

RT: 2.40
Area: 1777081
Amount: 1.019225
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 1770134
Amount: 1.018296
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 12:38:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

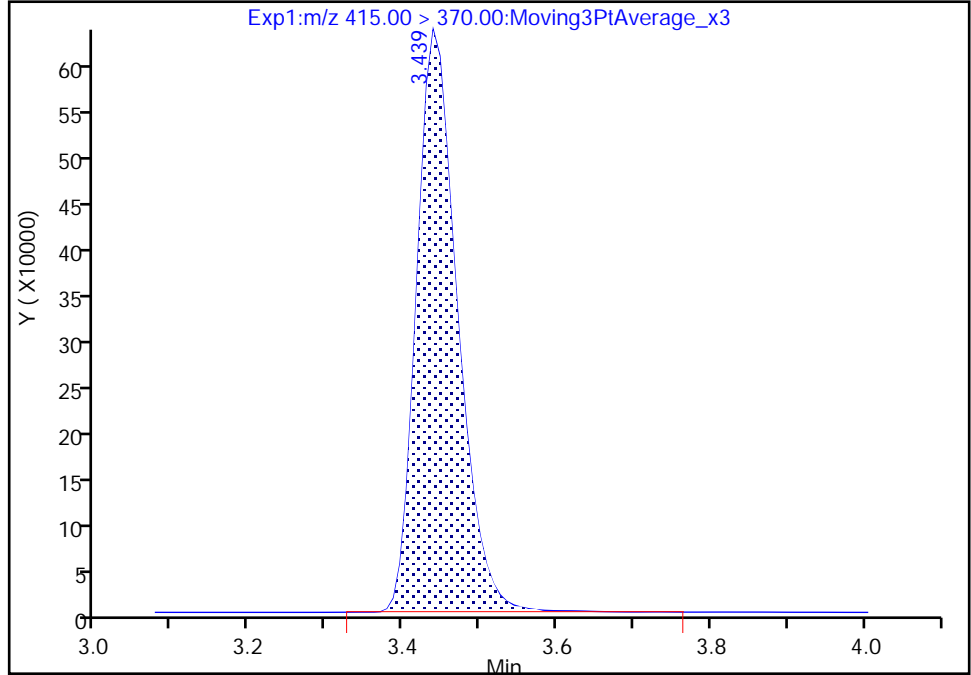
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A15.d
Injection Date: 02-Dec-2022 14:03:14 Instrument ID: LC812
Lims ID: 460-270065-A-2-A Lab Sample ID: 200-270065-2
Client ID: BCS-09-19_(11-11.5)P
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 15
Injection 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

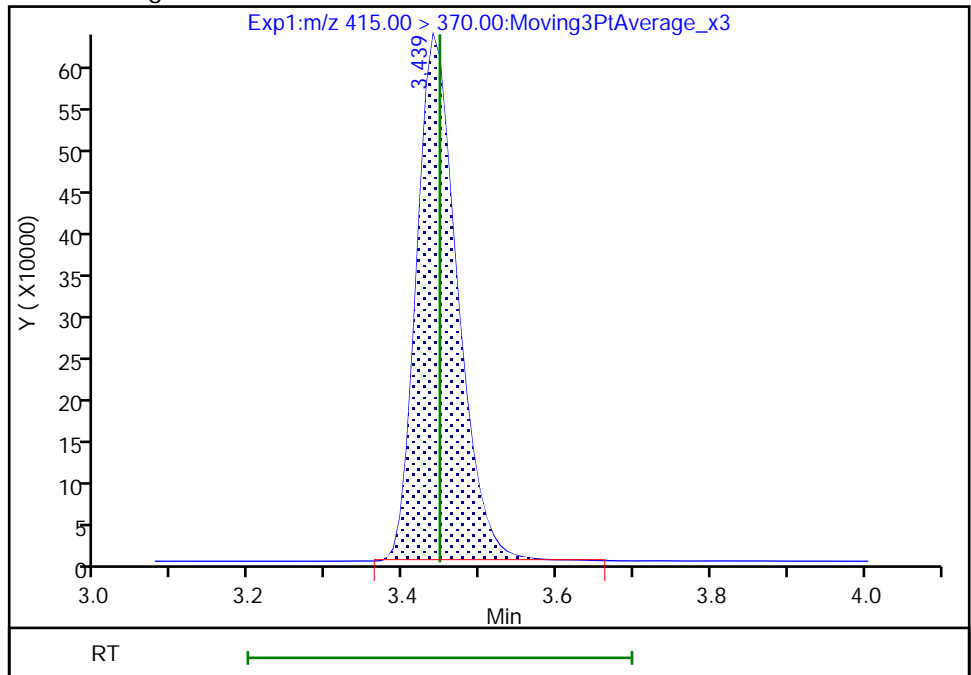
RT: 3.44
Area: 2348198
Amount: 1.250000
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 2341152
Amount: 1.250000
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:38:20
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.: 460-270065-1 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.: 460-270065-1 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-Chloroeicosafuoro-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.: 460-270065-1 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.: 460-270065-1 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.: 460-270065-1 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.: 460-270065-1 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.: 460-270065-1 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.: 460-270065-1 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.: 460-270065-1 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	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	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	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	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	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	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	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	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

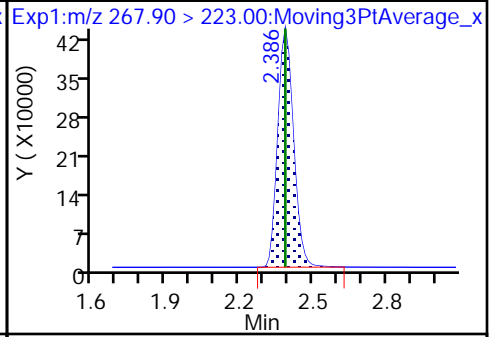
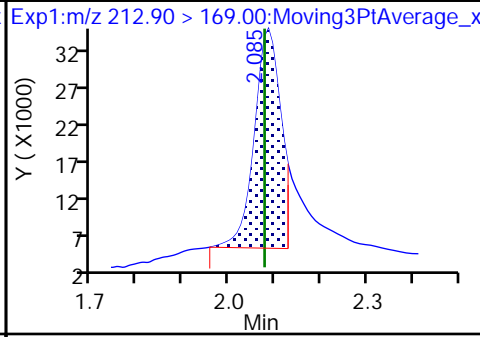
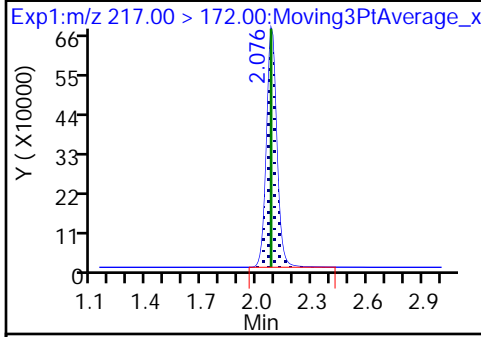
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

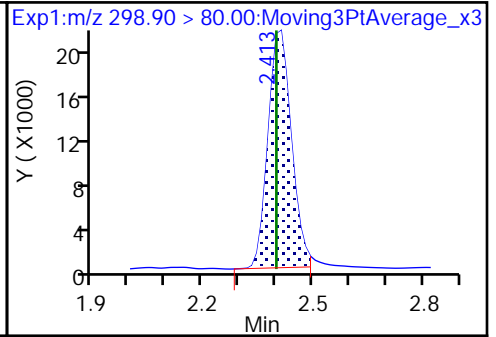
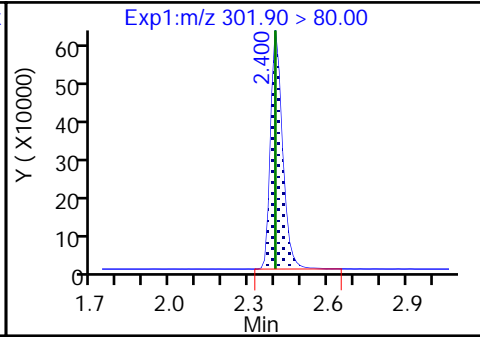
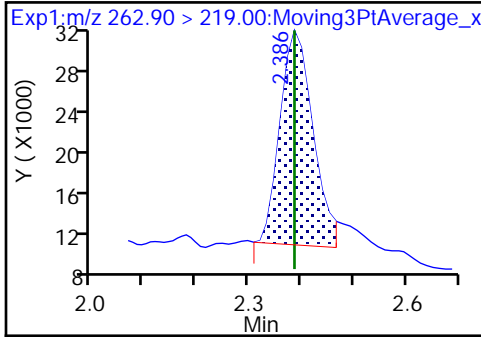
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

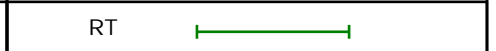
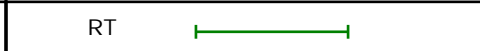
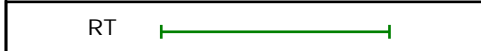
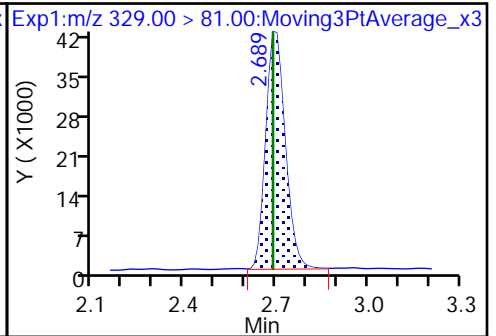
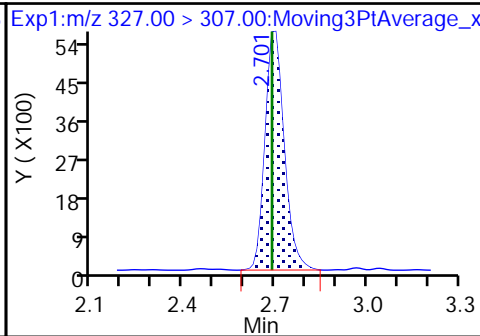
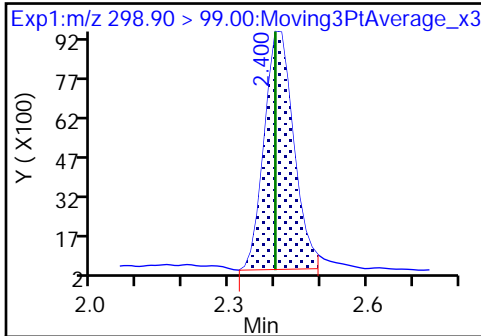
D 47 13C3 PFBS

5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

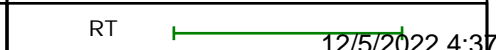
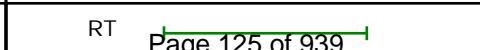
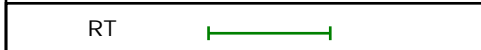
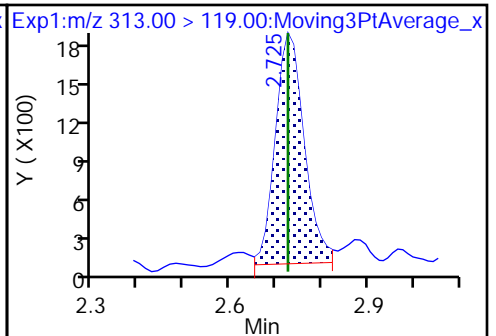
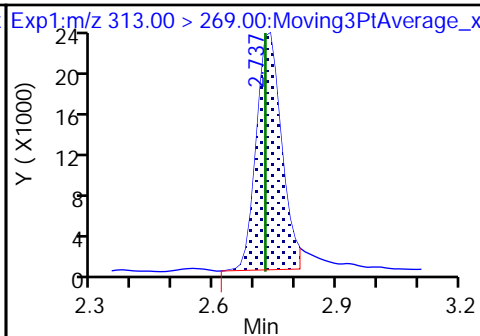
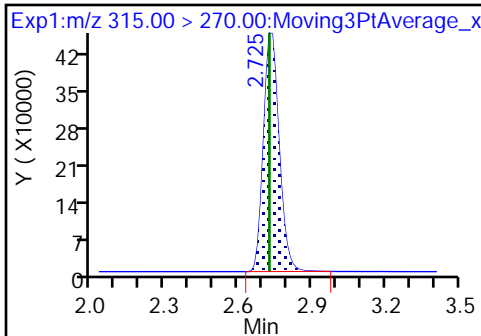
61 1H,1H,2H,2H-perfluorohexanesulfo D 60 M2-4:2 FTS

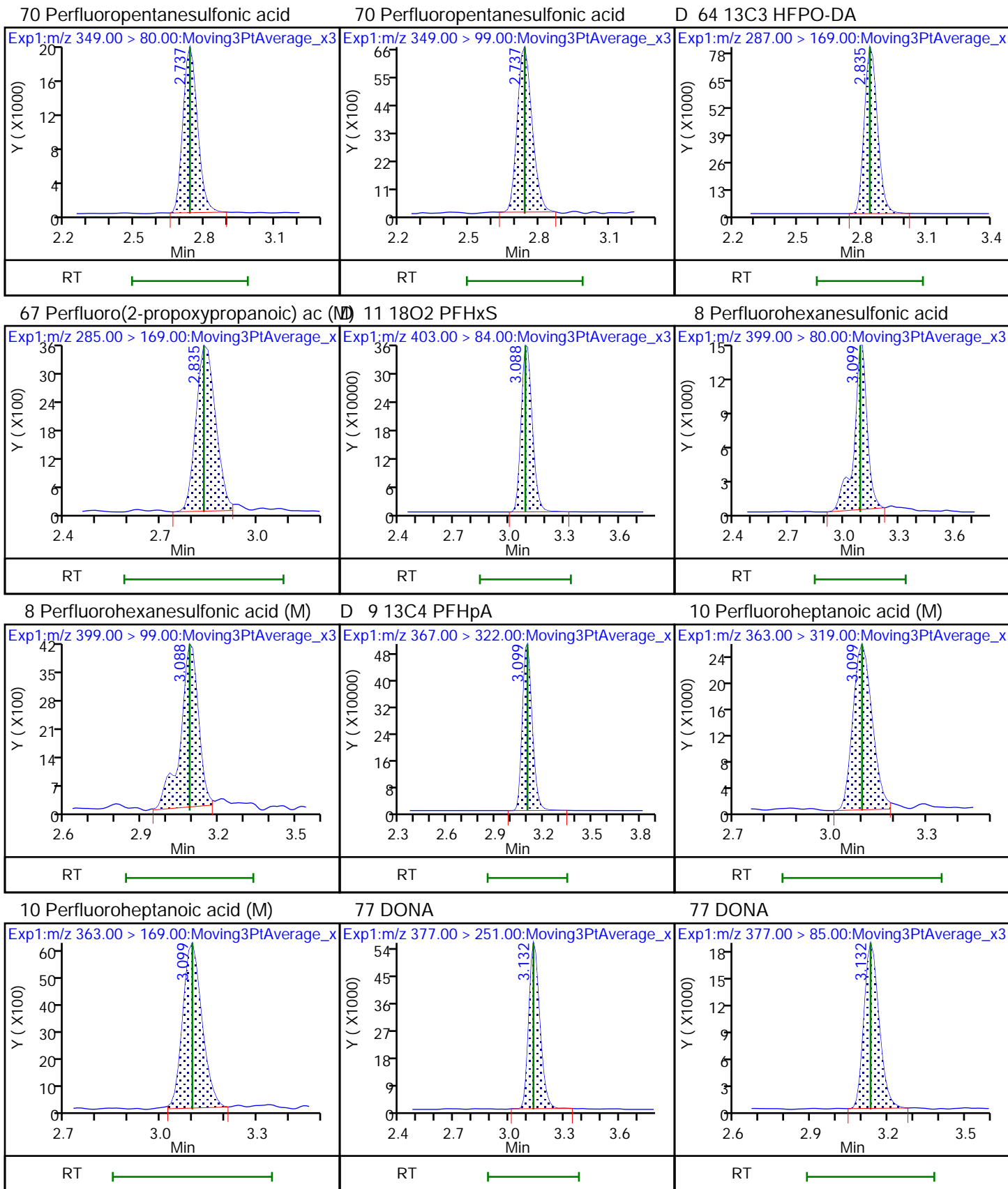


D 7 13C2 PFHxA

6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid (M)

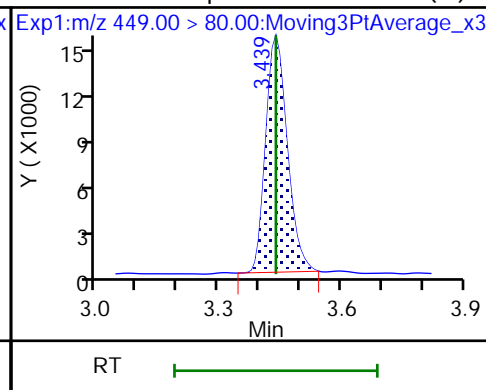
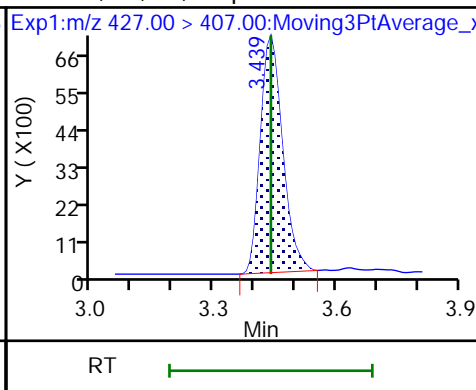
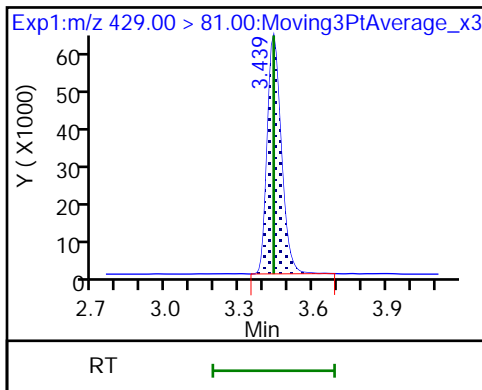




D 12 M2-6:2 FTS

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

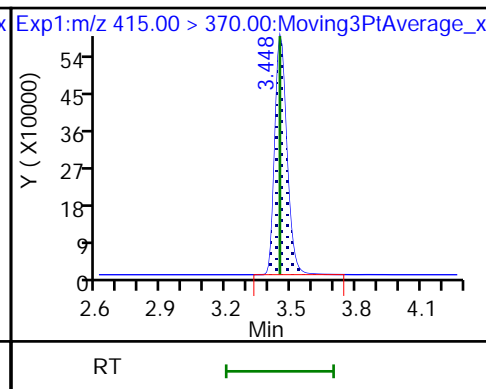
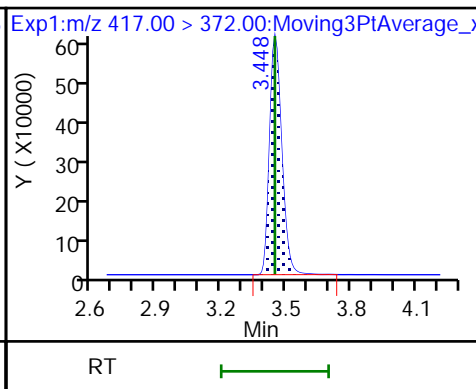
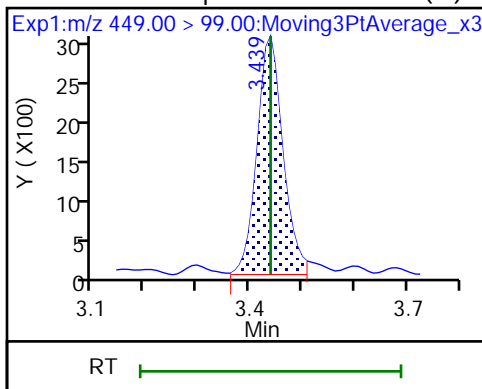
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

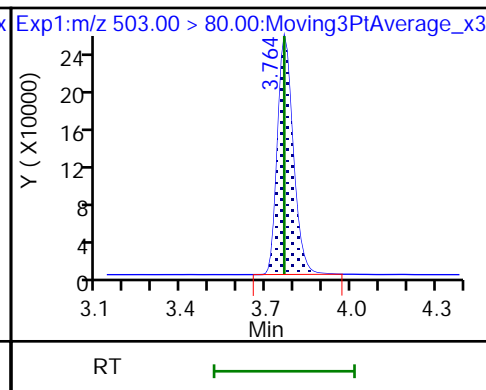
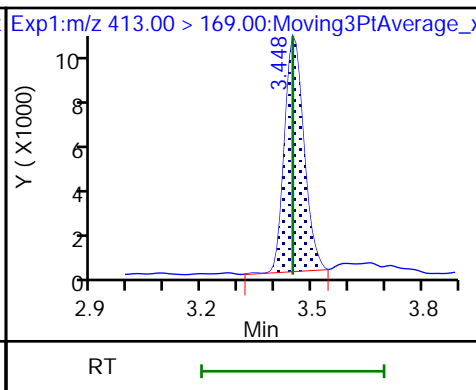
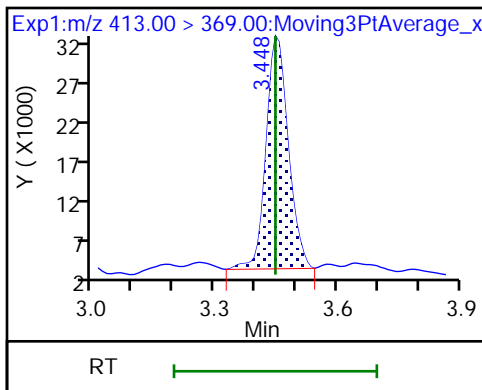
* 62 13C2 PFOA



15 Perfluorooctanoic acid

15 Perfluorooctanoic acid

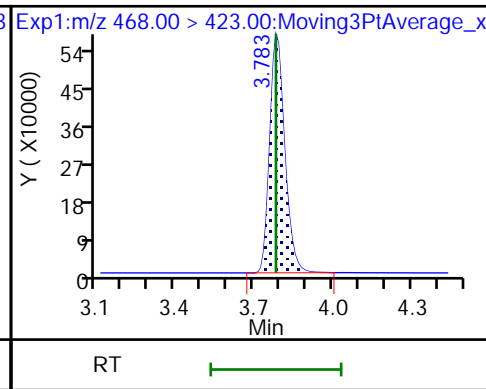
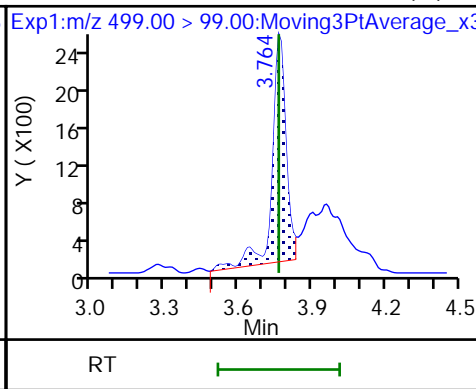
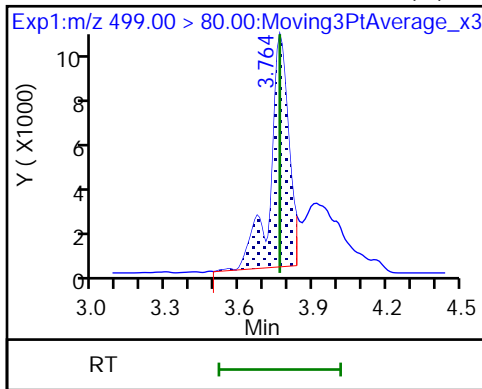
D 18 13C4 PFOS

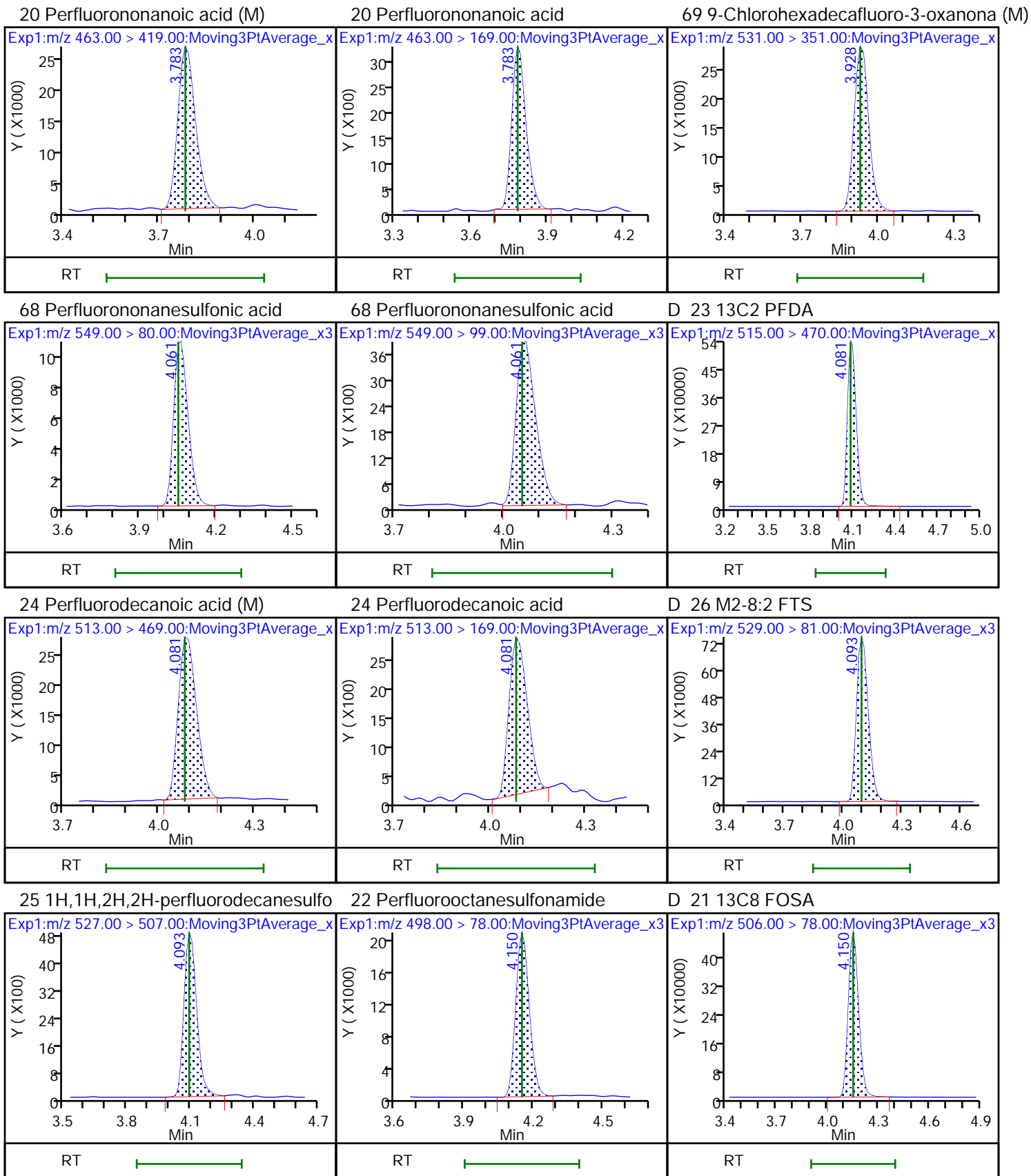


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

D 19 13C5 PFNA

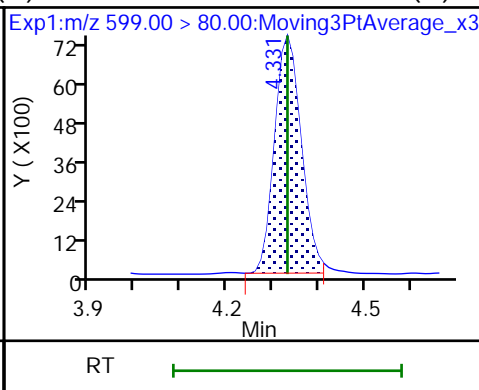
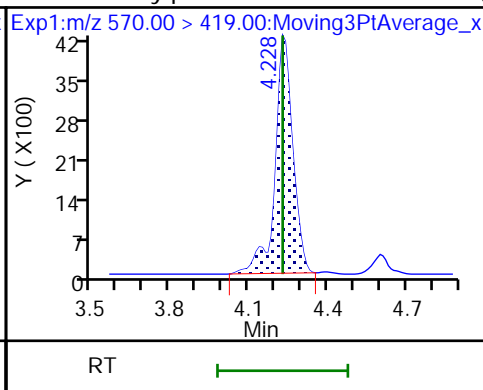
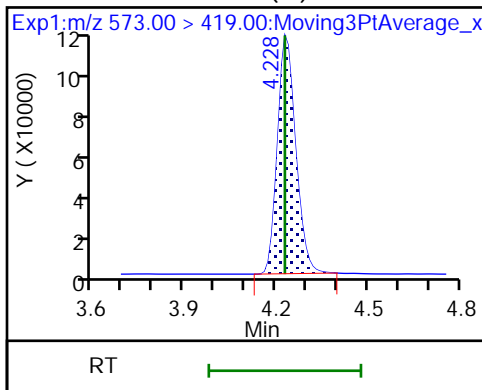




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

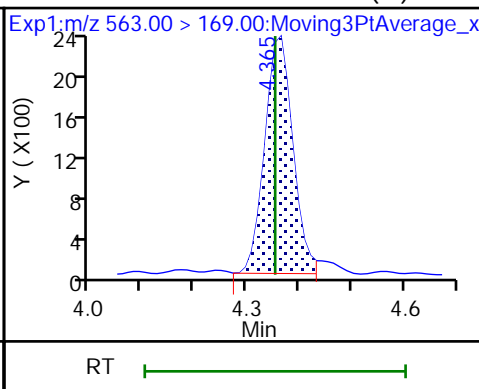
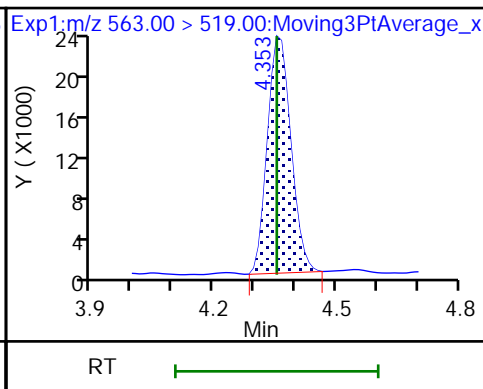
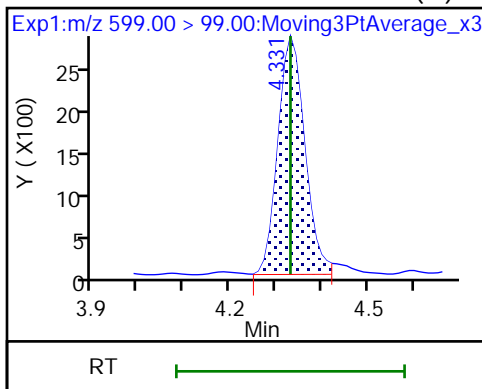
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

31 Perfluoroundecanoic acid

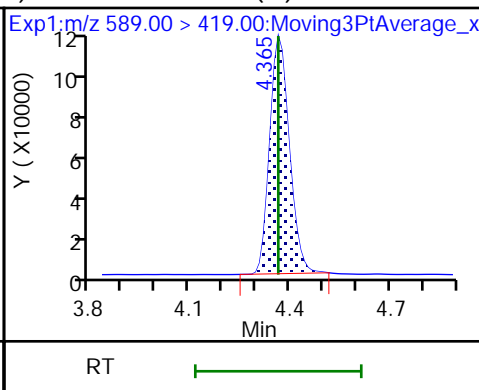
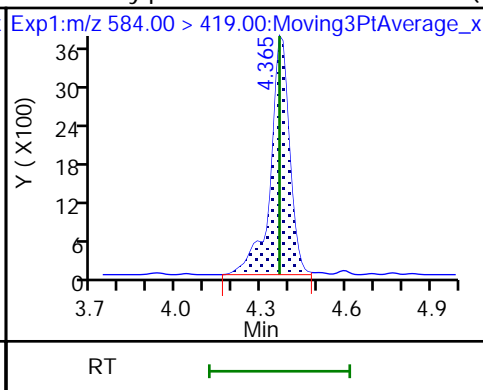
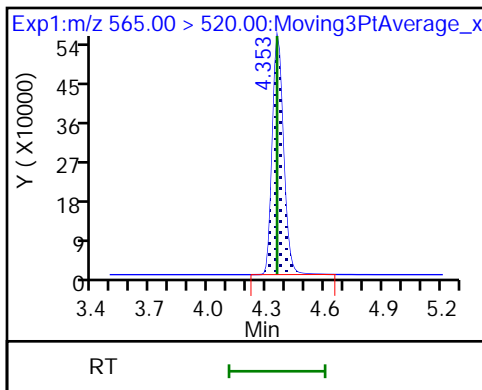
31 Perfluoroundecanoic acid (M)



D 30 13C2 PFUnA

33 N-ethylperfluorooctanesulfonamid (M)

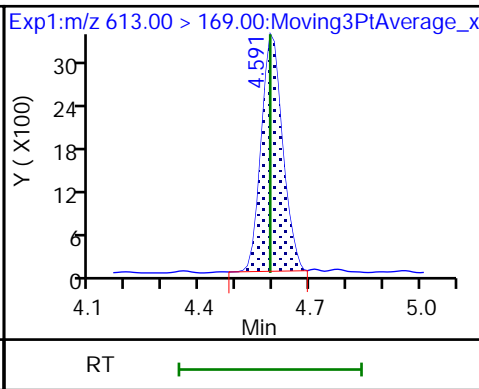
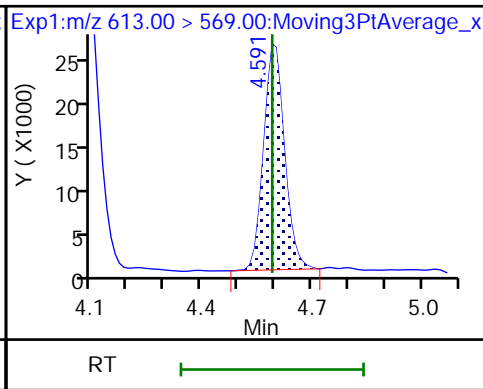
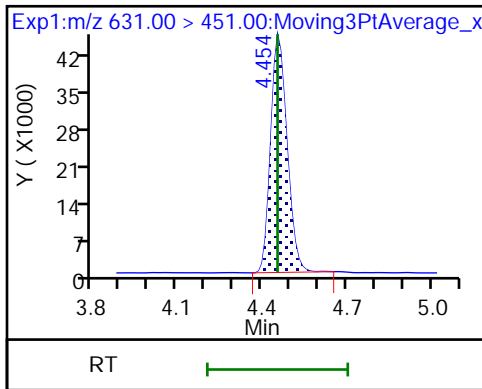
32 d5-NEtFOSAA (M)



66 11-Chloroeicosafuoro-3-oxaundec

37 Perfluorododecanoic acid

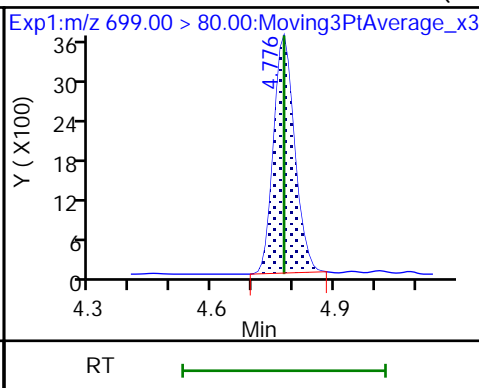
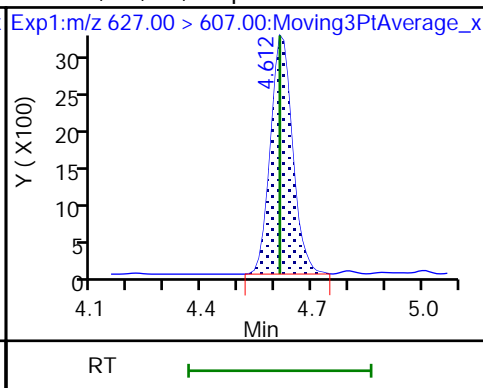
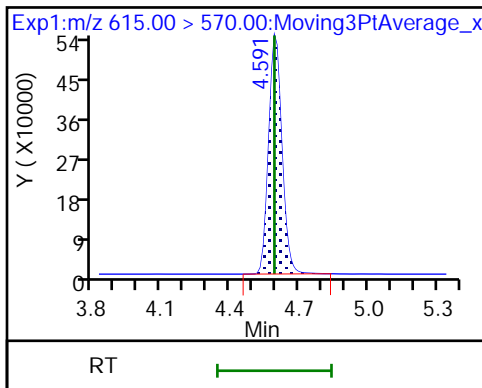
37 Perfluorododecanoic acid



D 36 13C2 PFDaA

74 1H,1H,2H,2H-perfluorododecanesul

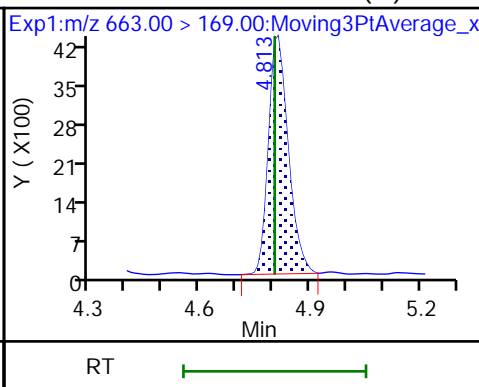
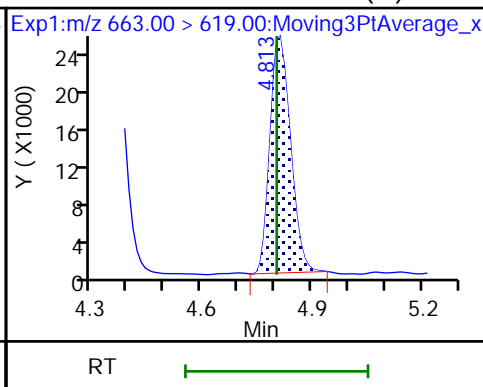
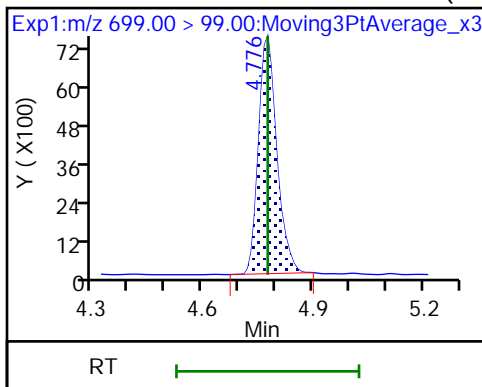
75 Perfluorododecanesulfonic acid (



75 Perfluorododecanesulfonic acid (

41 Perfluorotridecanoic acid (M)

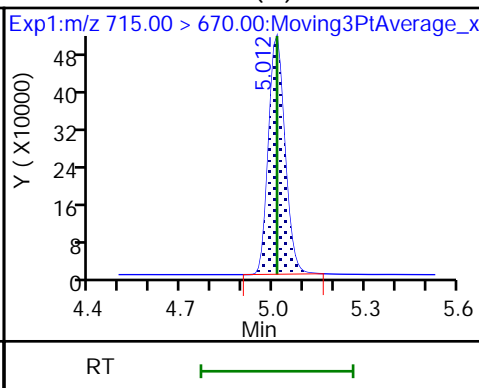
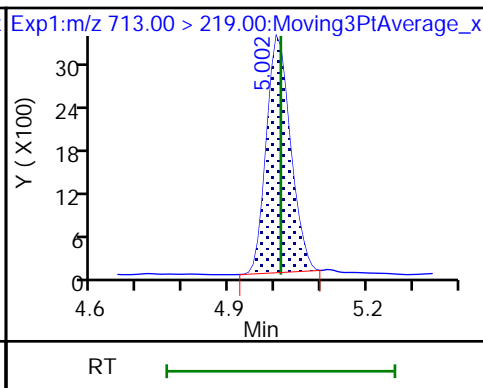
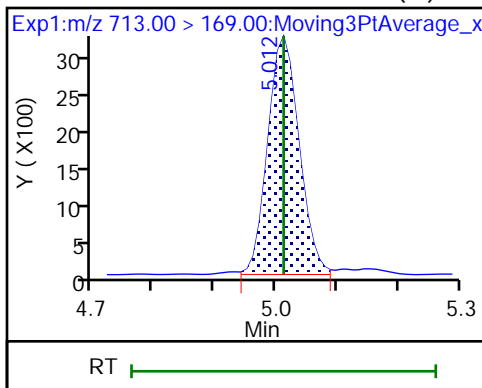
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid

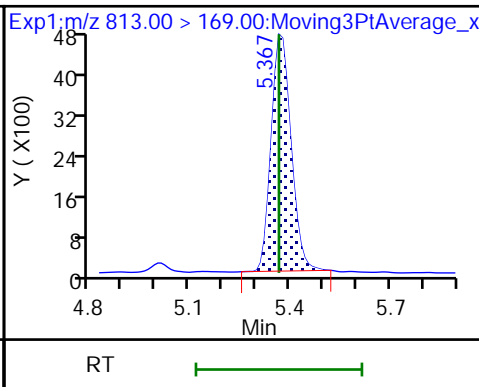
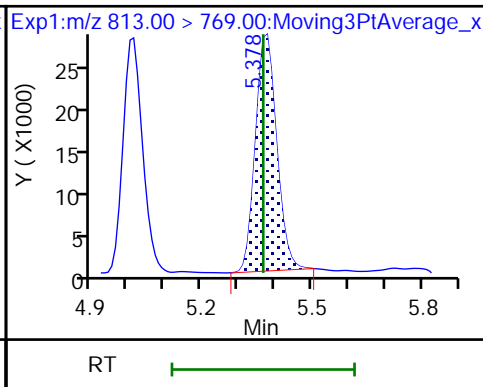
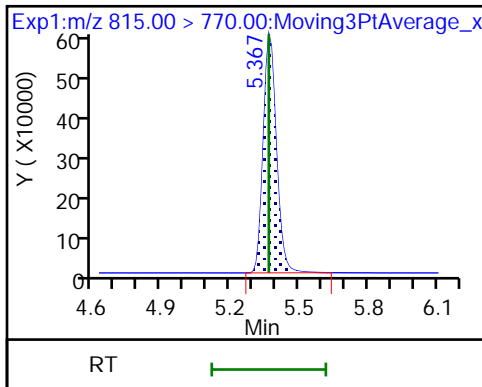
D 43 13C2 PFTeDA (M)



D 44 13C2 PFHxDA

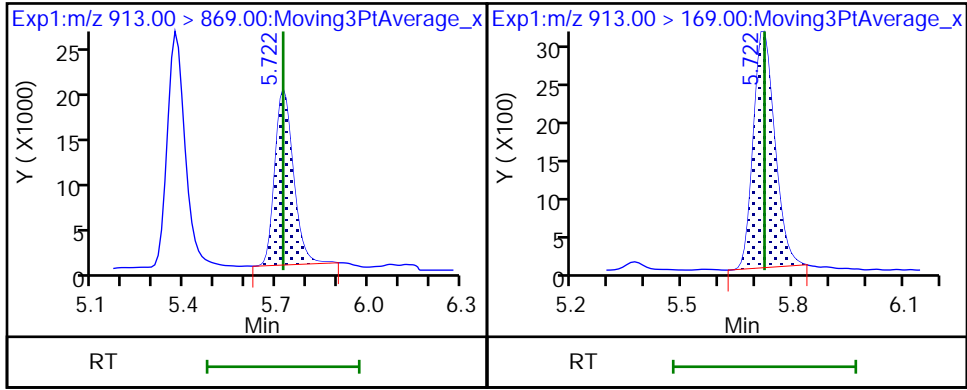
45 Perfluorohexadecanoic acid

45 Perfluorohexadecanoic acid



46 Perfluorooctadecanoic acid

46 Perfluorooctadecanoic acid



Eurofins Burlington

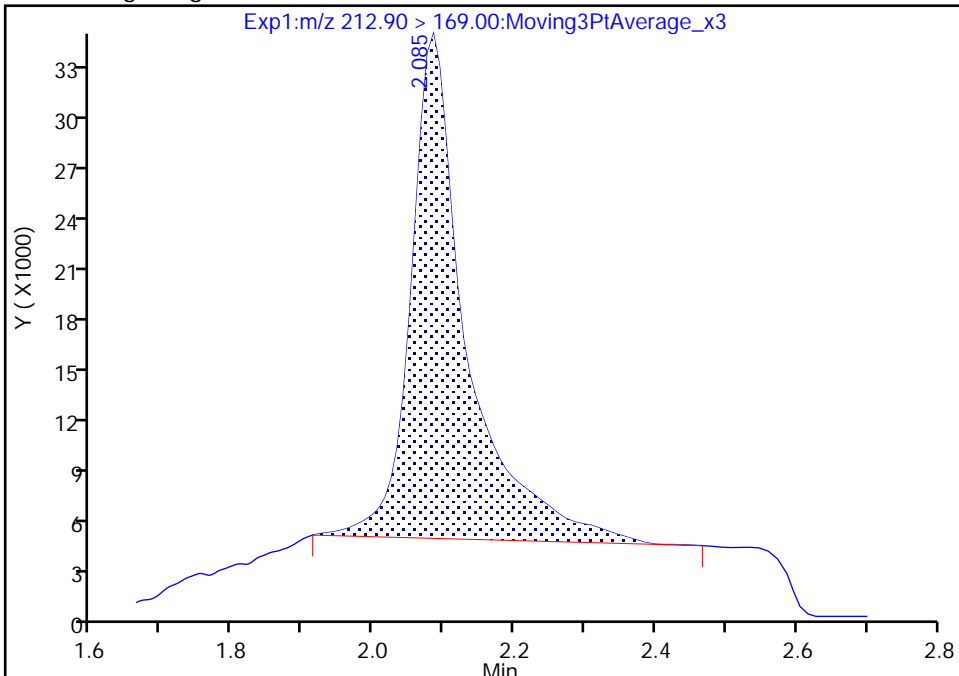
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

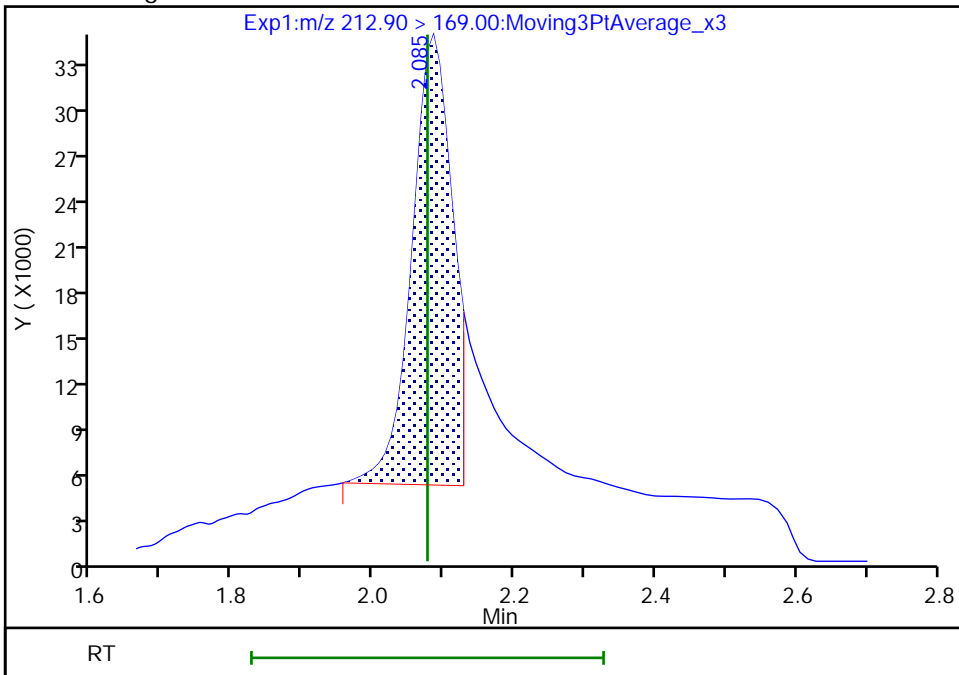
RT: 2.08
Area: 167014
Amount: 0.050000
Amount Units: ng/ml

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

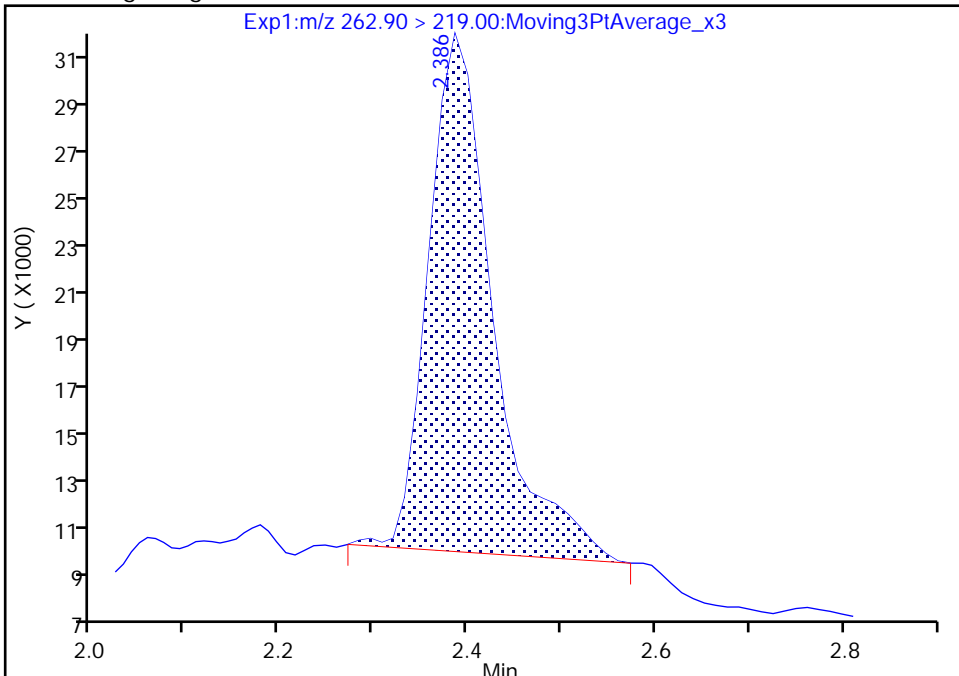
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

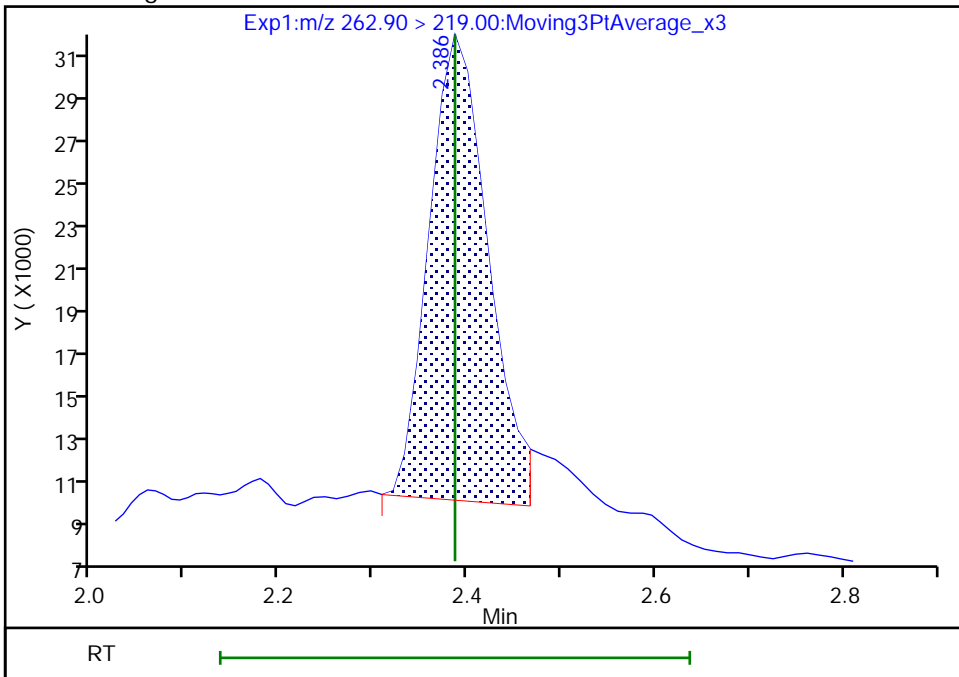
RT: 2.39
Area: 100957
Amount: 0.050000
Amount Units: ng/ml

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

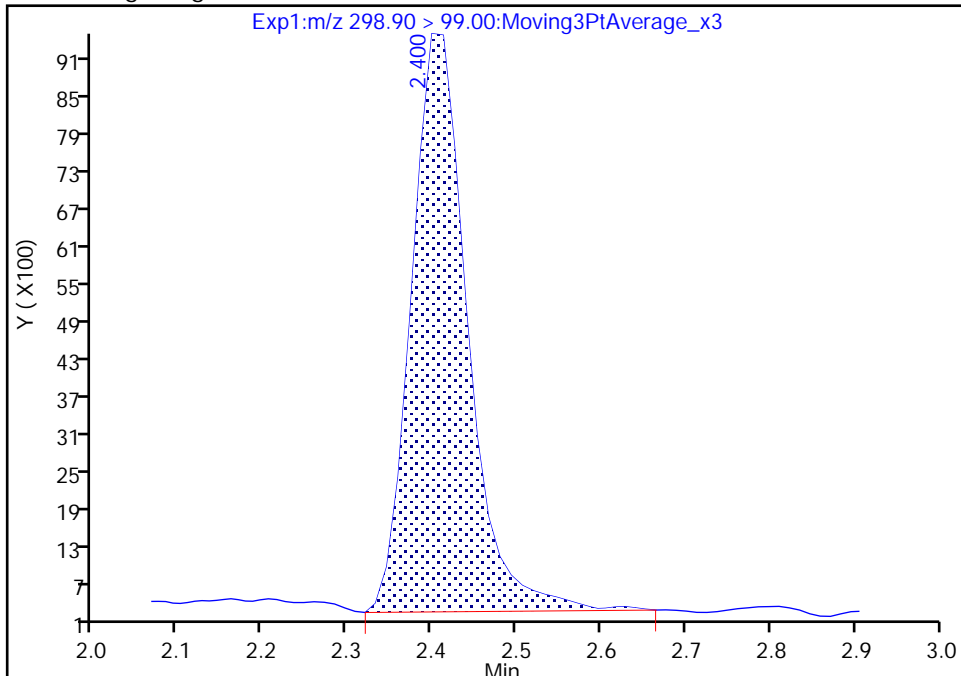
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

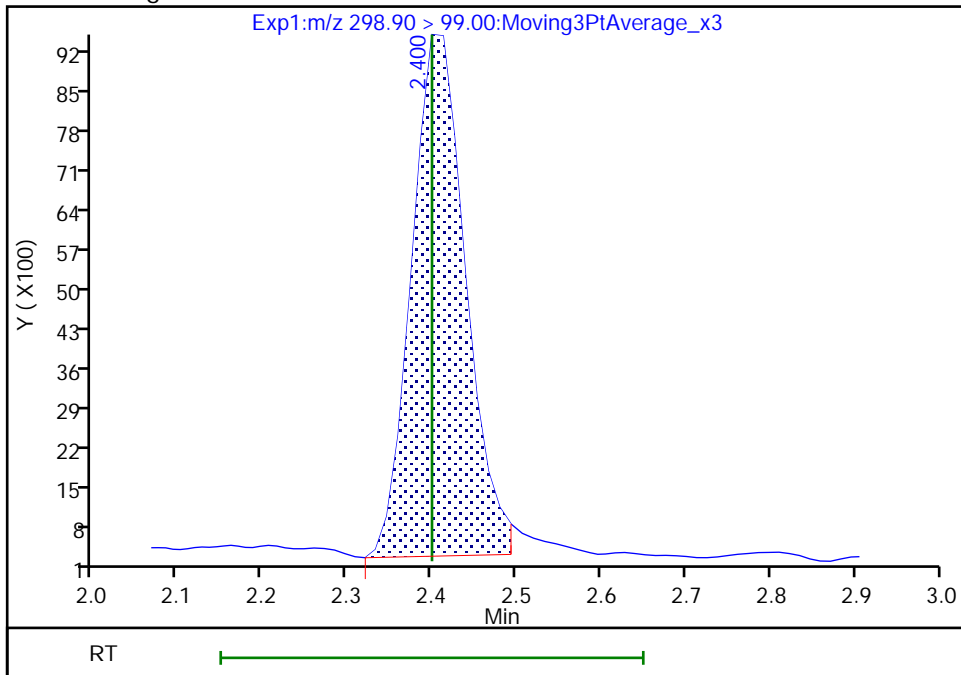
RT: 2.40
Area: 42716
Amount: 0.044200
Amount Units: ng/ml

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

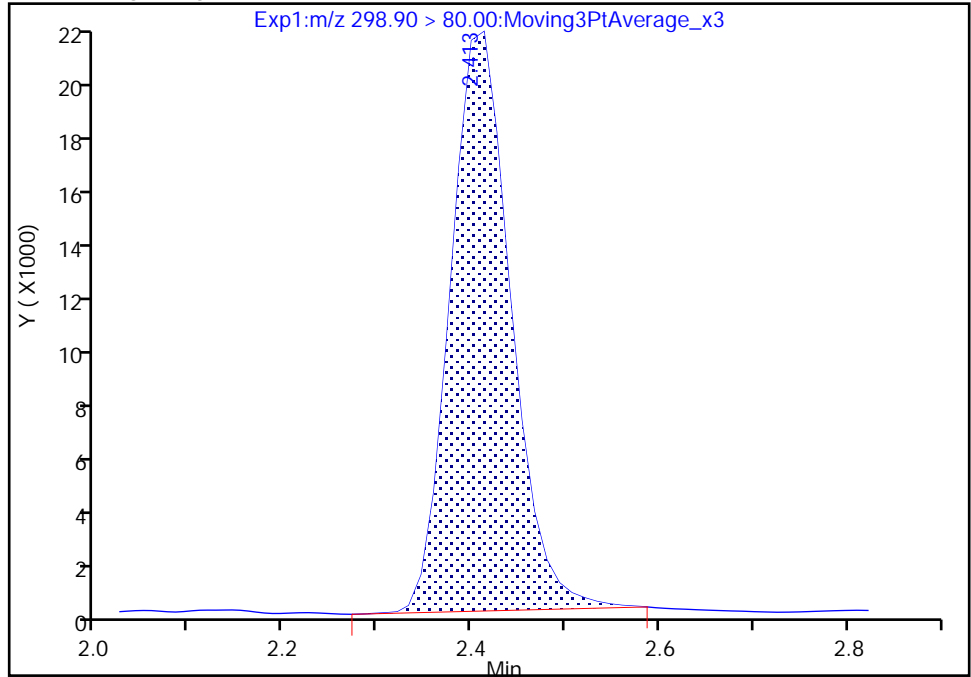
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

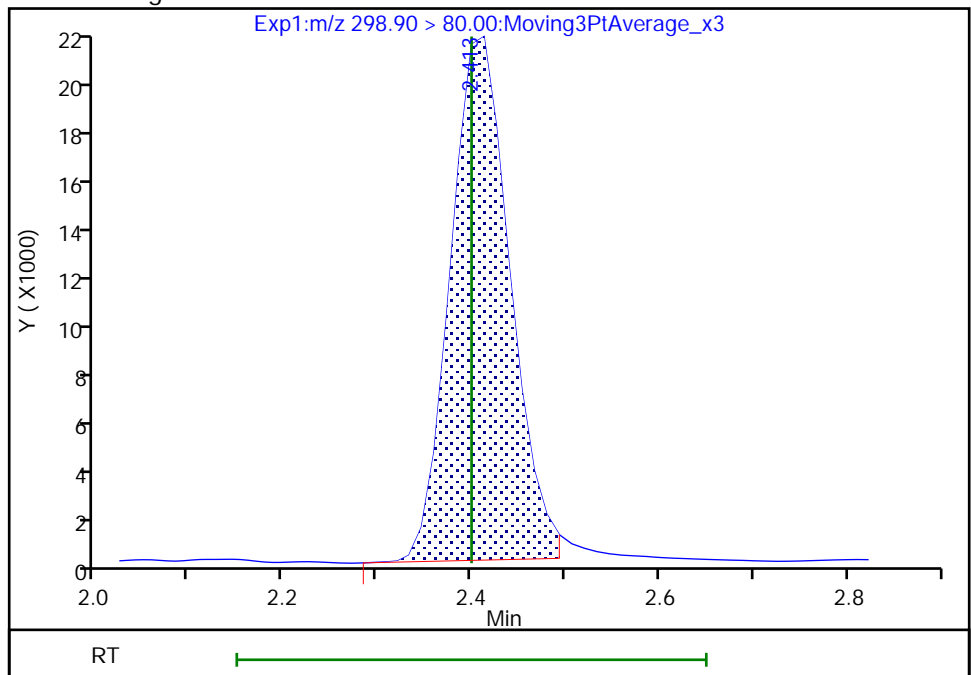
RT: 2.41
Area: 95701
Amount: 0.044200
Amount Units: ng/ml

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

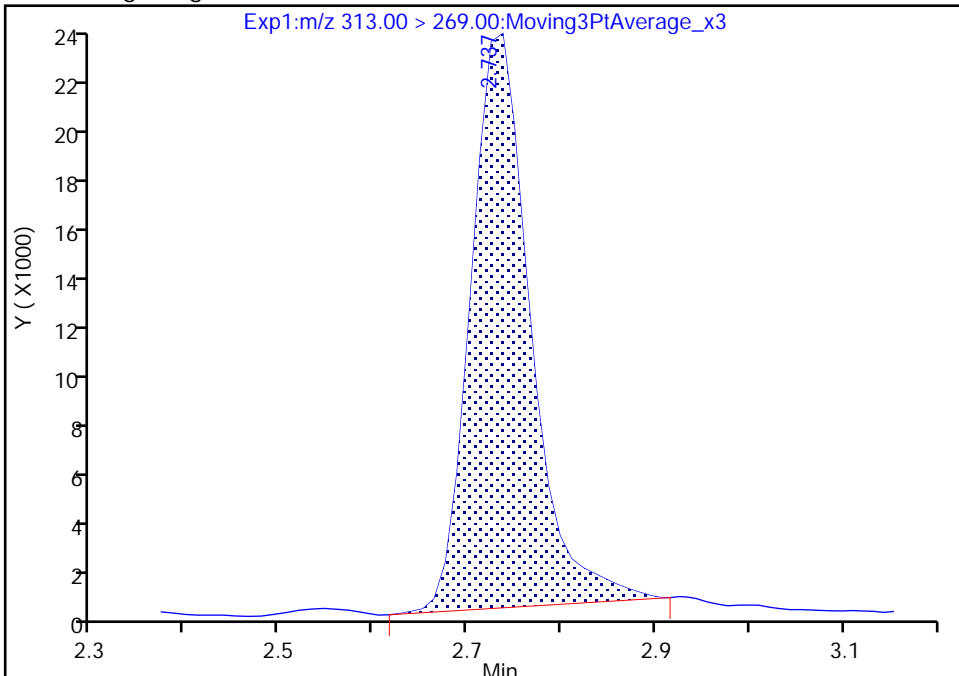
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

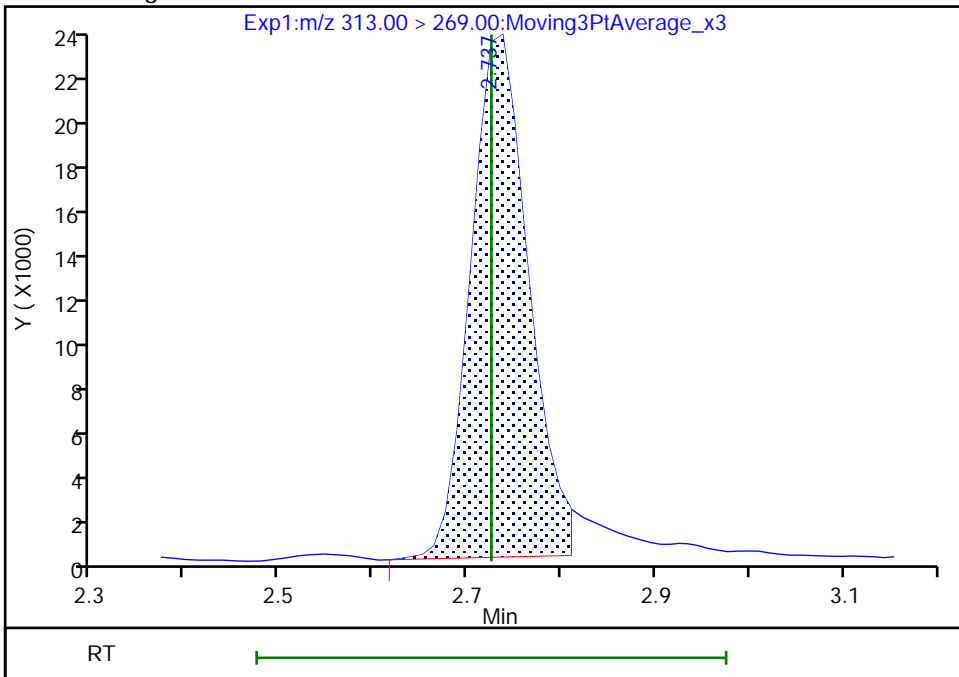
RT: 2.74
Area: 96124
Amount: 0.050000
Amount Units: ng/ml

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

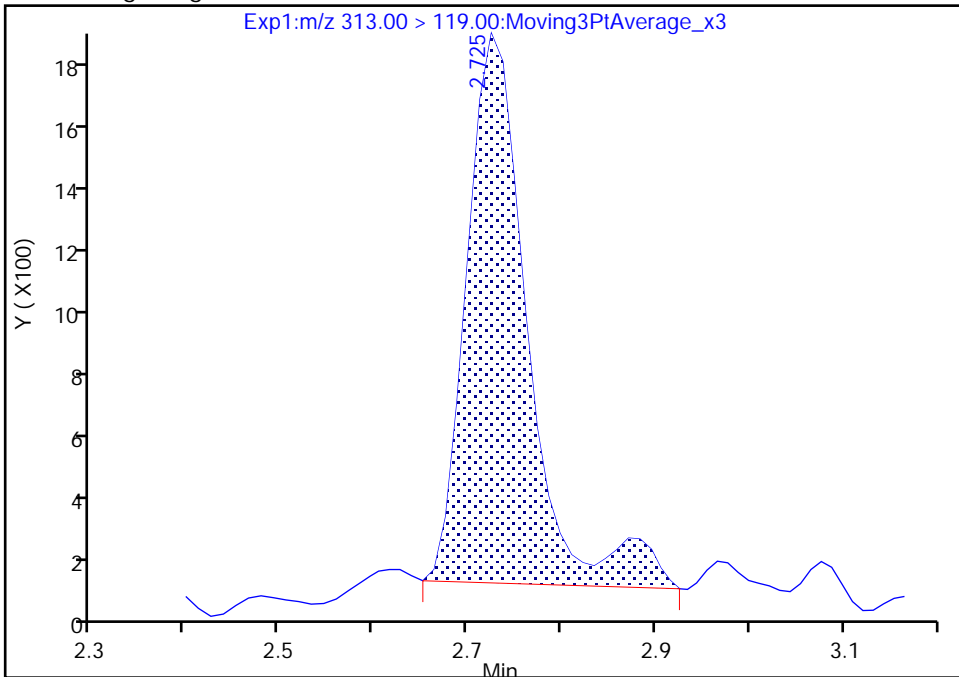
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

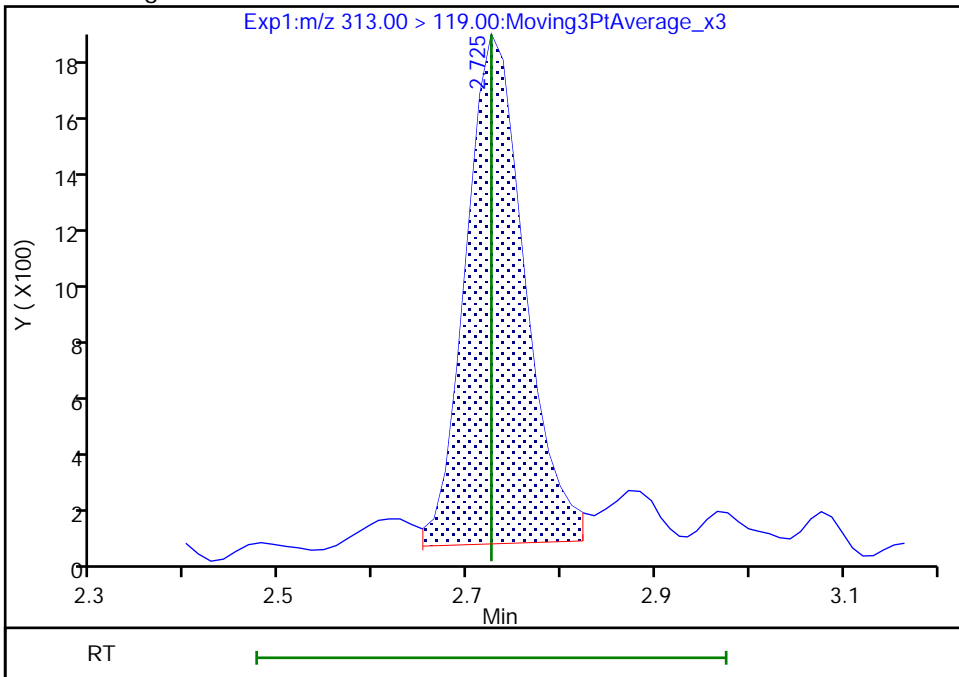
RT: 2.73
Area: 7775
Amount: 0.050000
Amount Units: ng/ml

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

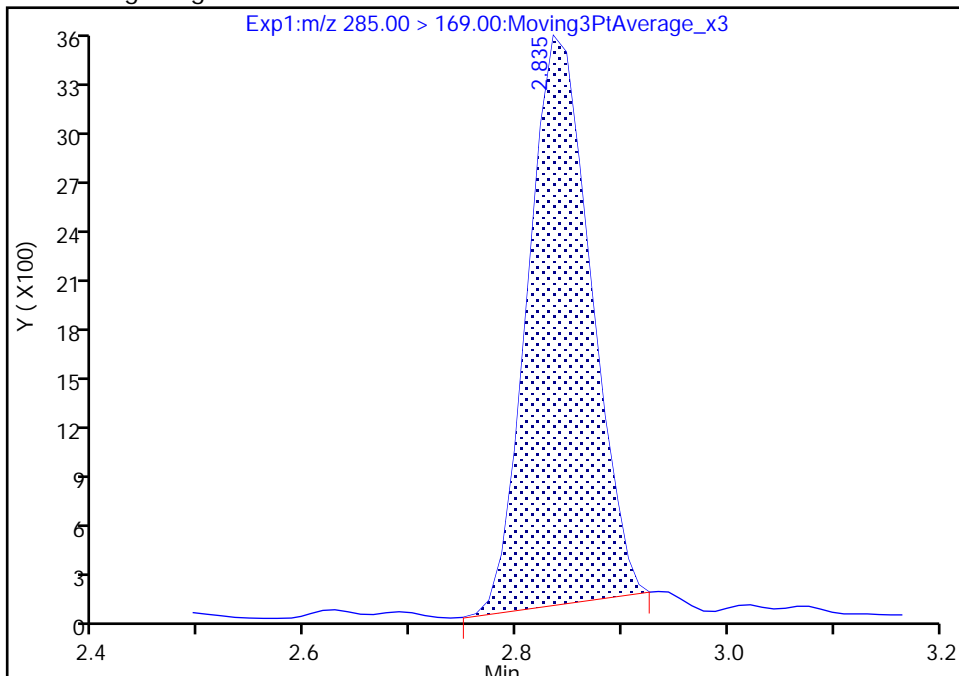
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

67 Perfluoro(2-propoxypropanoic) ac, CAS: 13252-13-6

Signal: 1

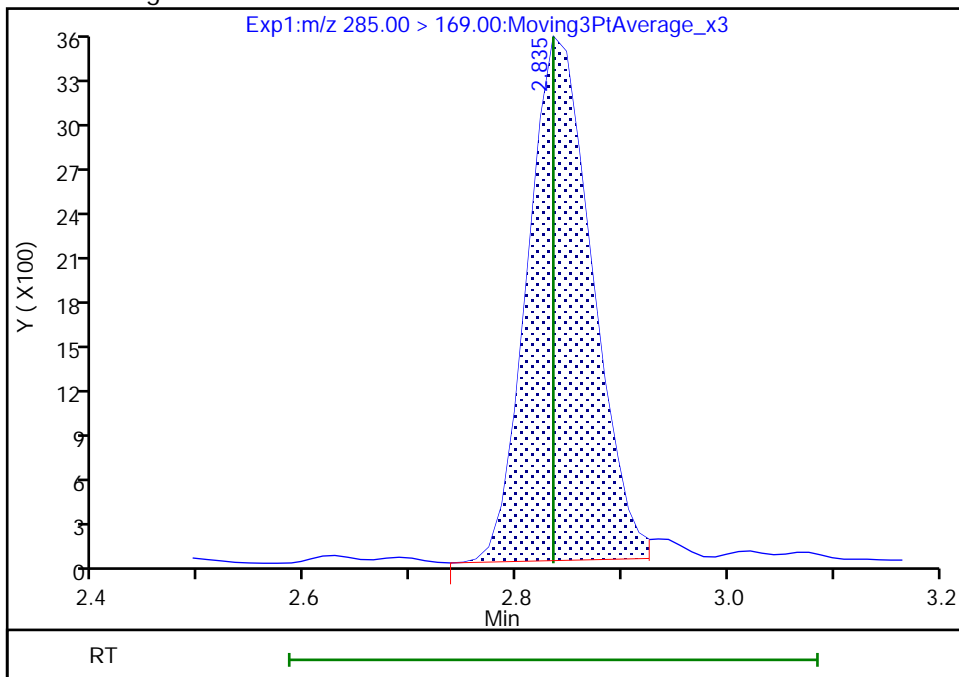
RT: 2.83
Area: 14159
Amount: 0.050000
Amount Units: ng/ml

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

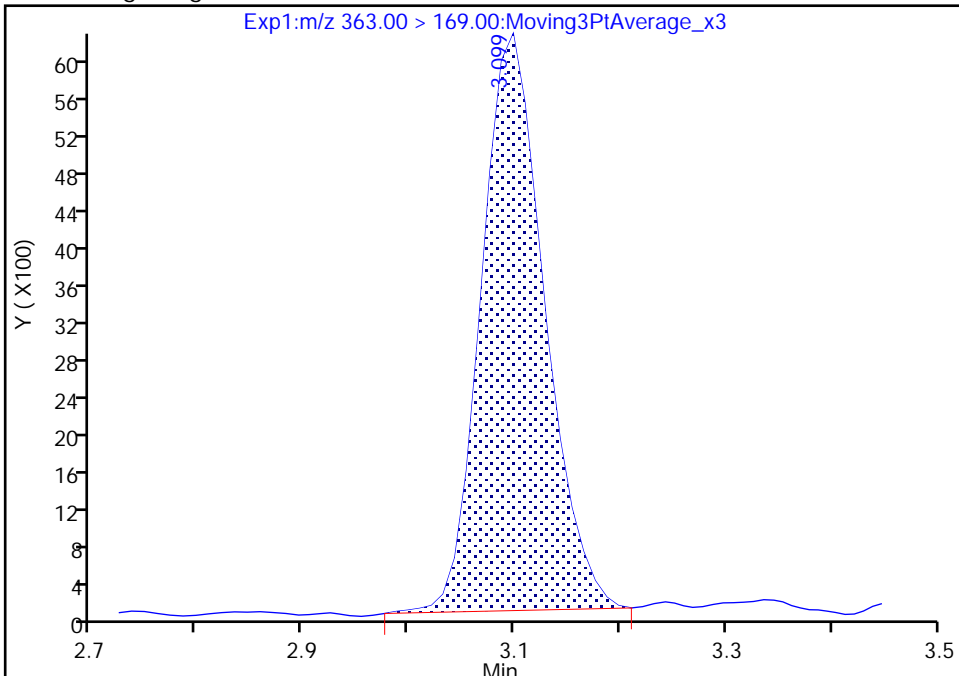
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

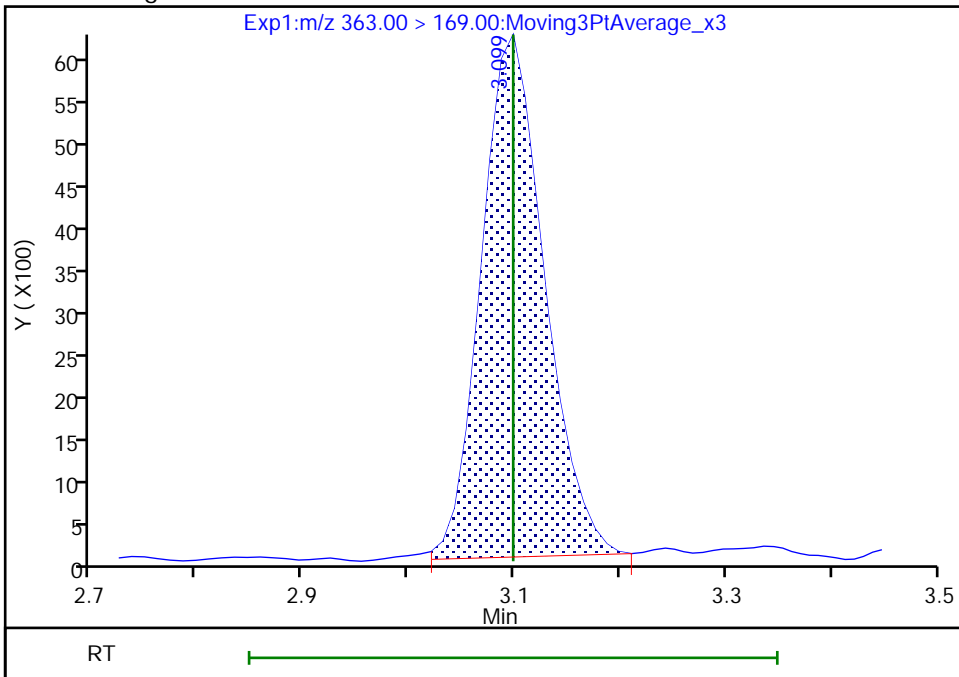
RT: 3.10
Area: 25598
Amount: 0.050000
Amount Units: ng/ml

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

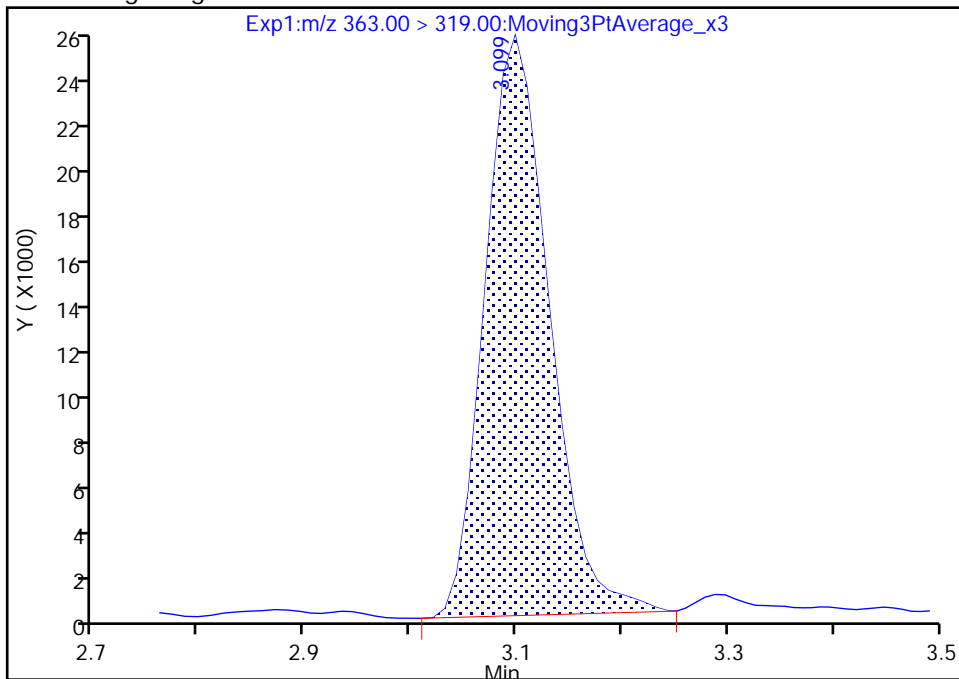
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

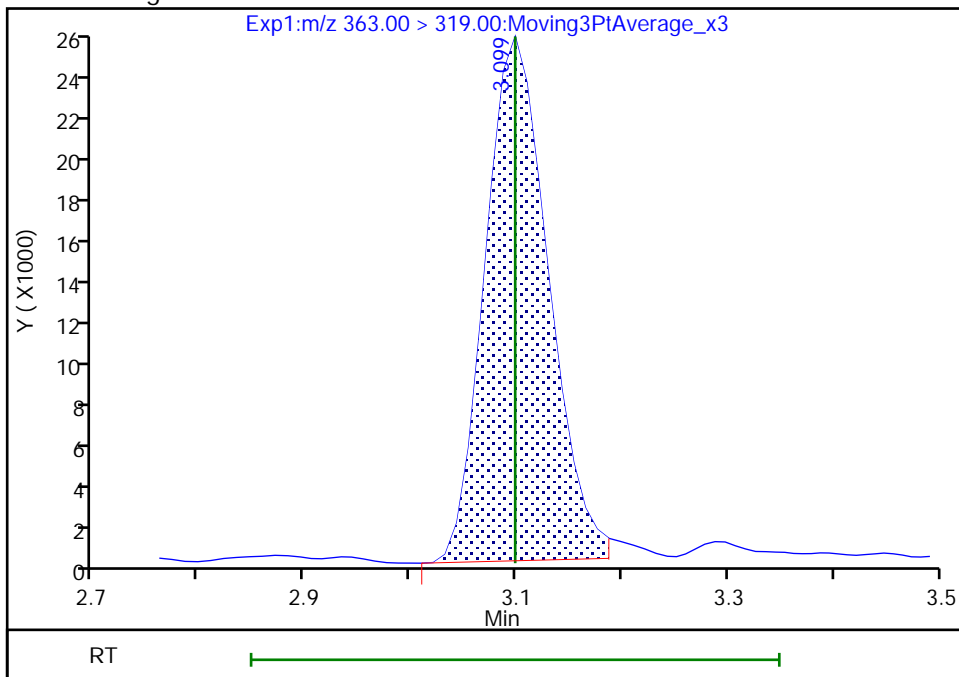
RT: 3.10
Area: 102094
Amount: 0.050000
Amount Units: ng/ml

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

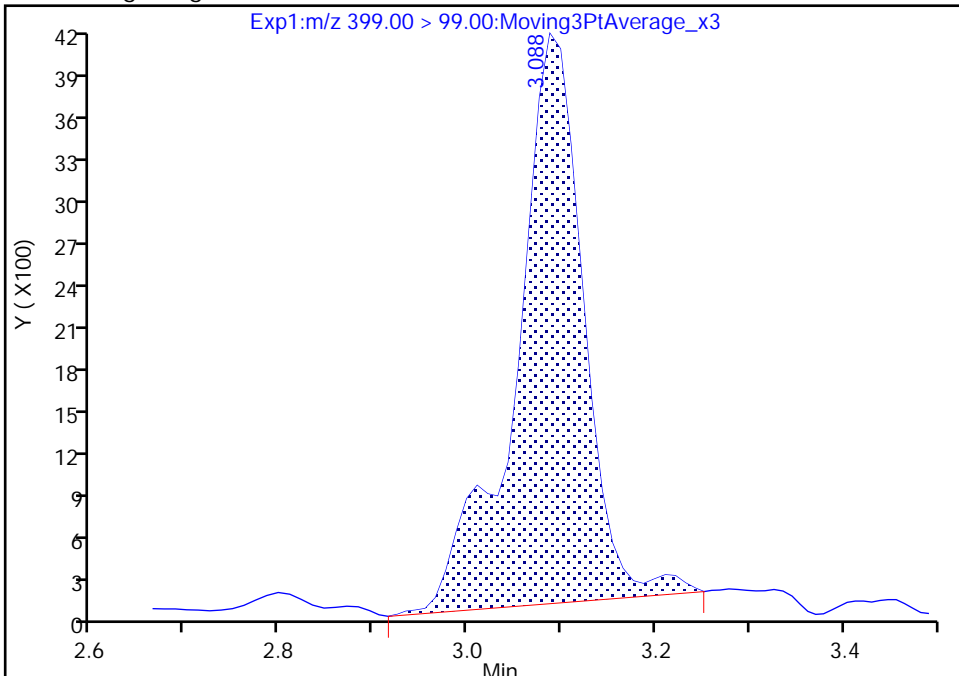
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

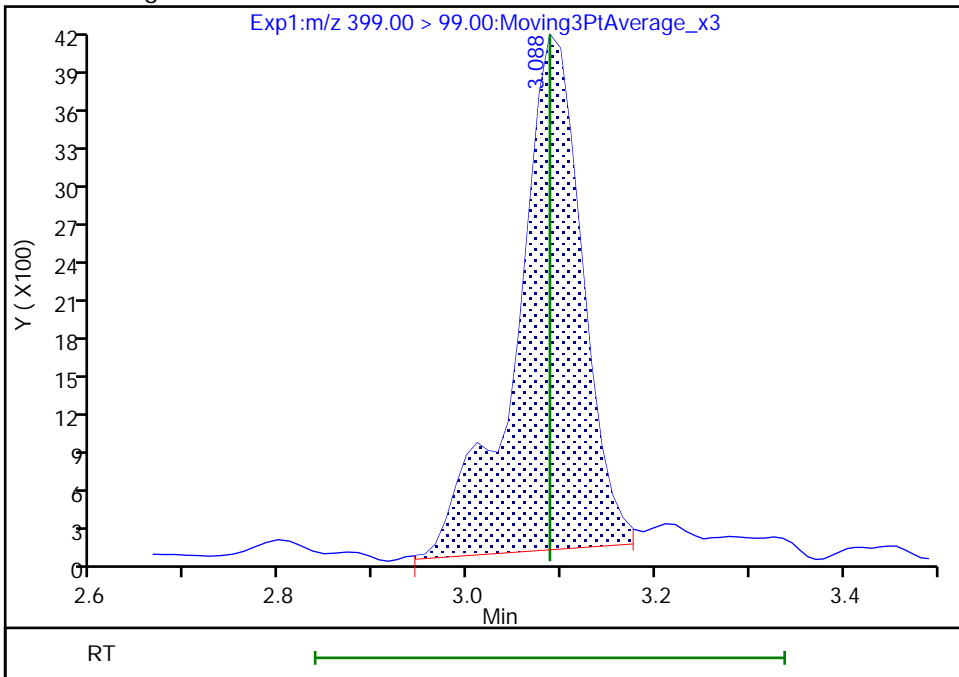
RT: 3.09
Area: 19897
Amount: 0.045500
Amount Units: ng/ml

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

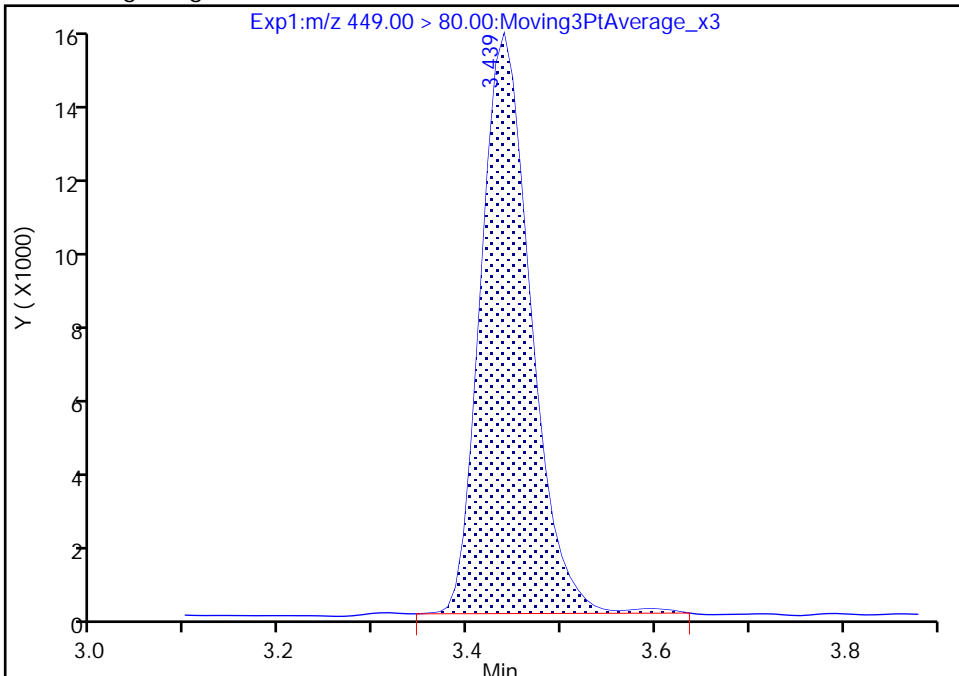
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

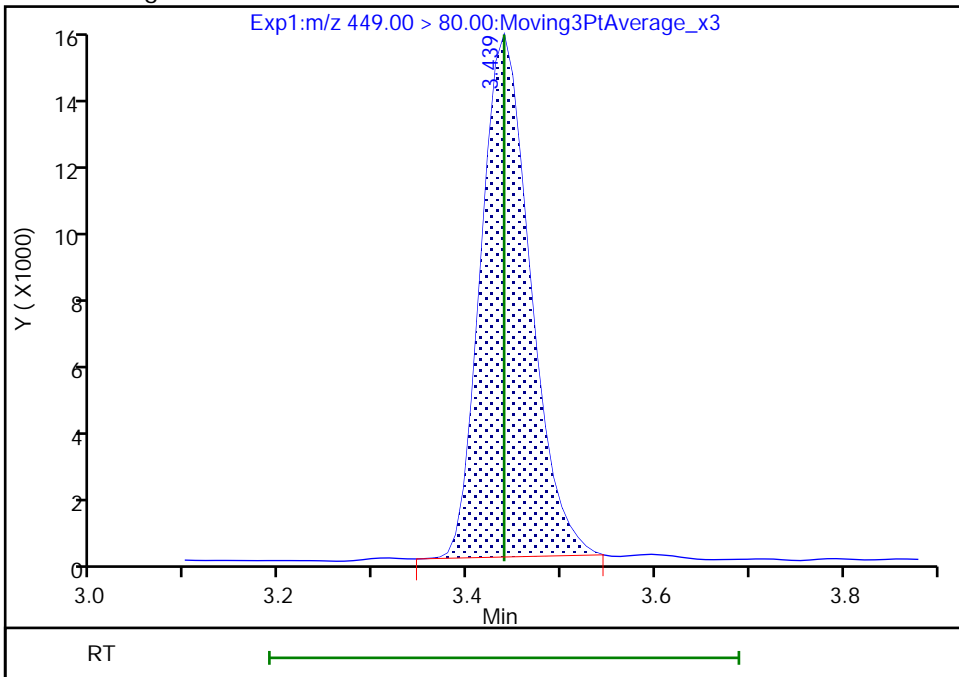
RT: 3.44
Area: 58353
Amount: 0.047600
Amount Units: ng/ml

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

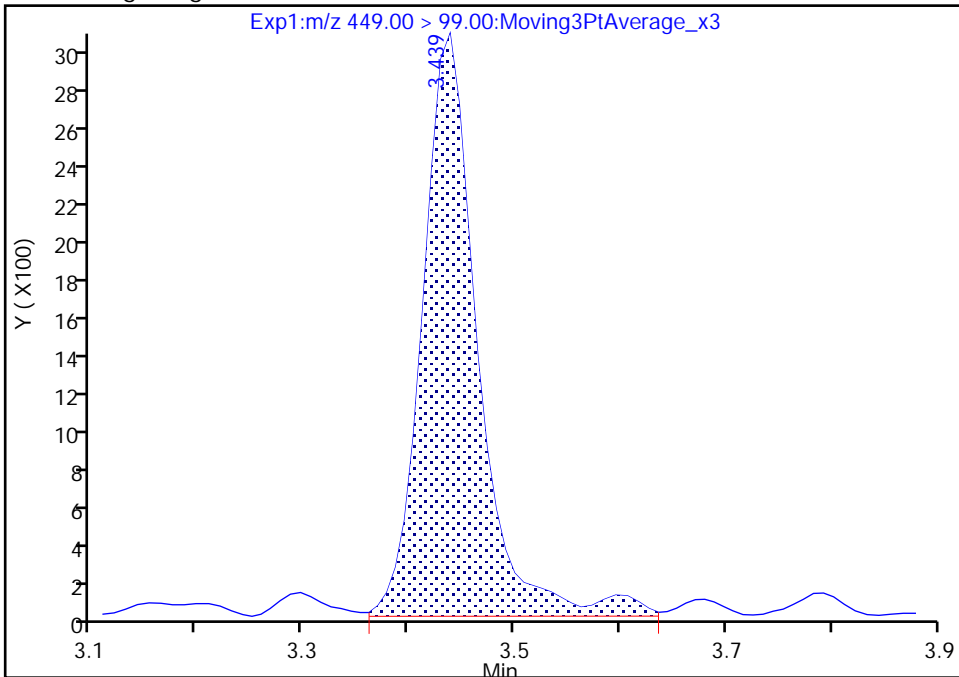
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

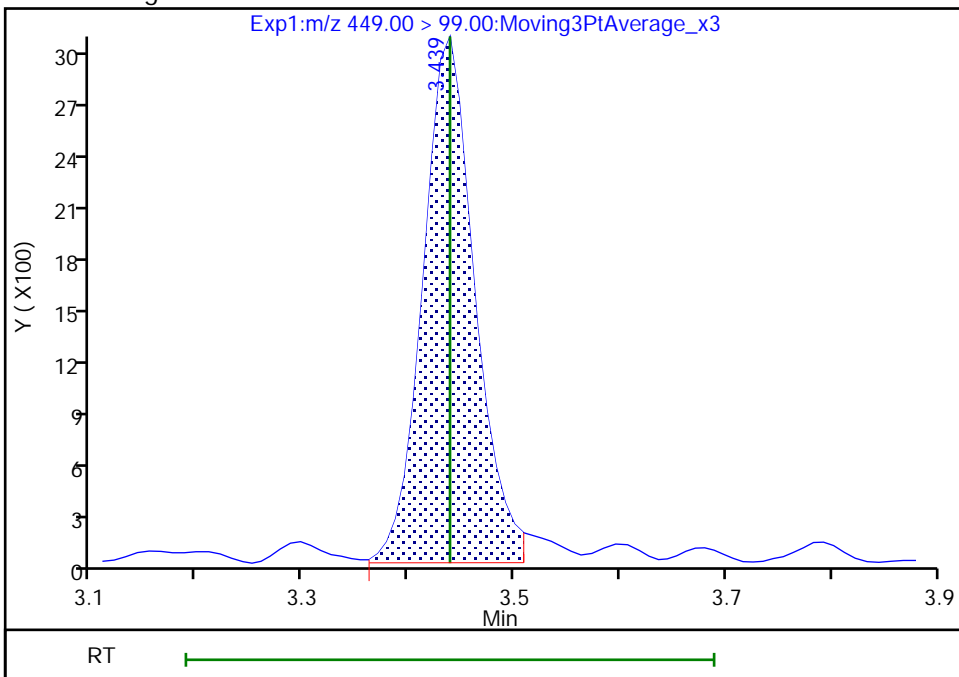
RT: 3.44
Area: 11226
Amount: 0.047600
Amount Units: ng/ml

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

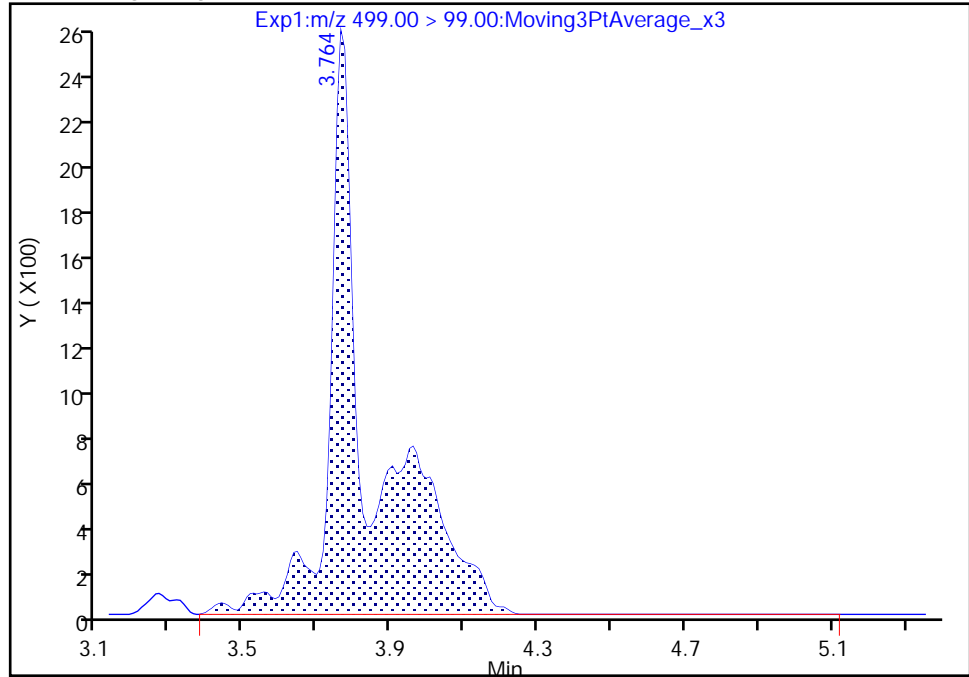
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

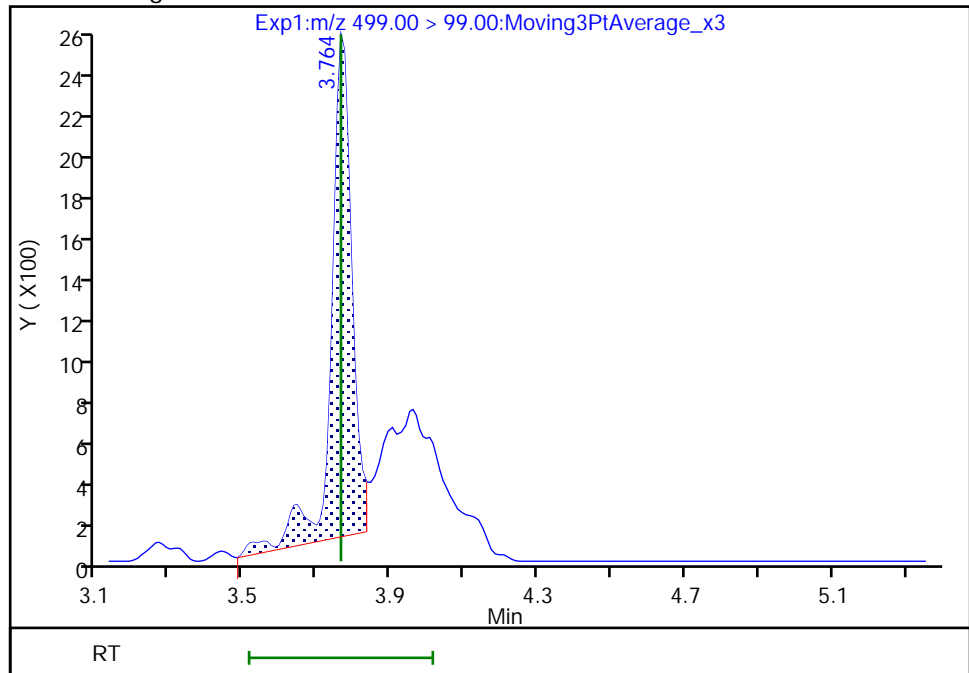
RT: 3.76
Area: 20272
Amount: 0.046400
Amount Units: ng/ml

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

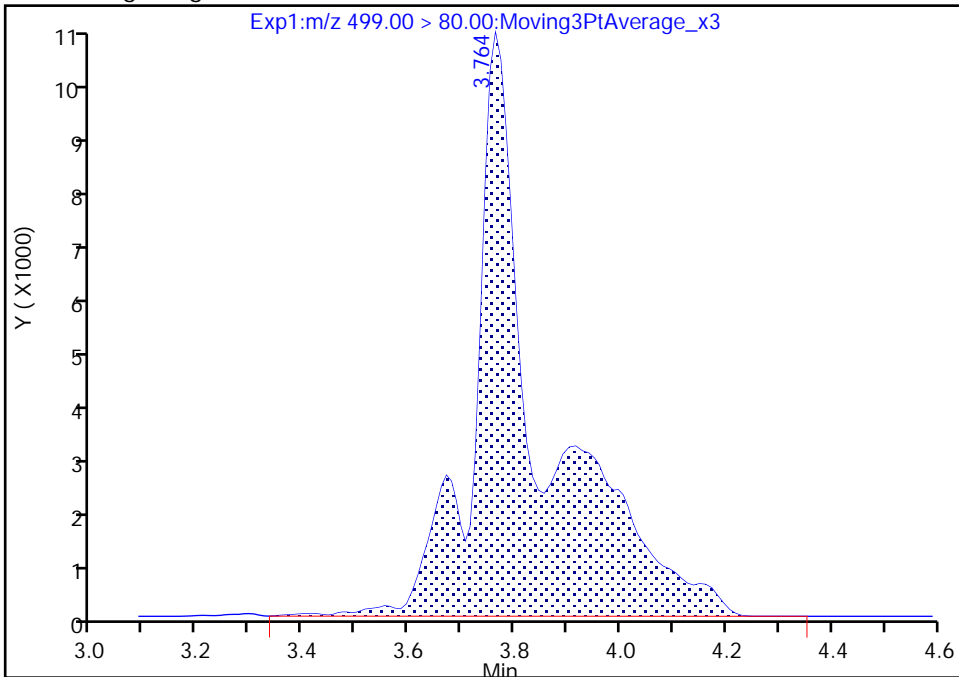
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

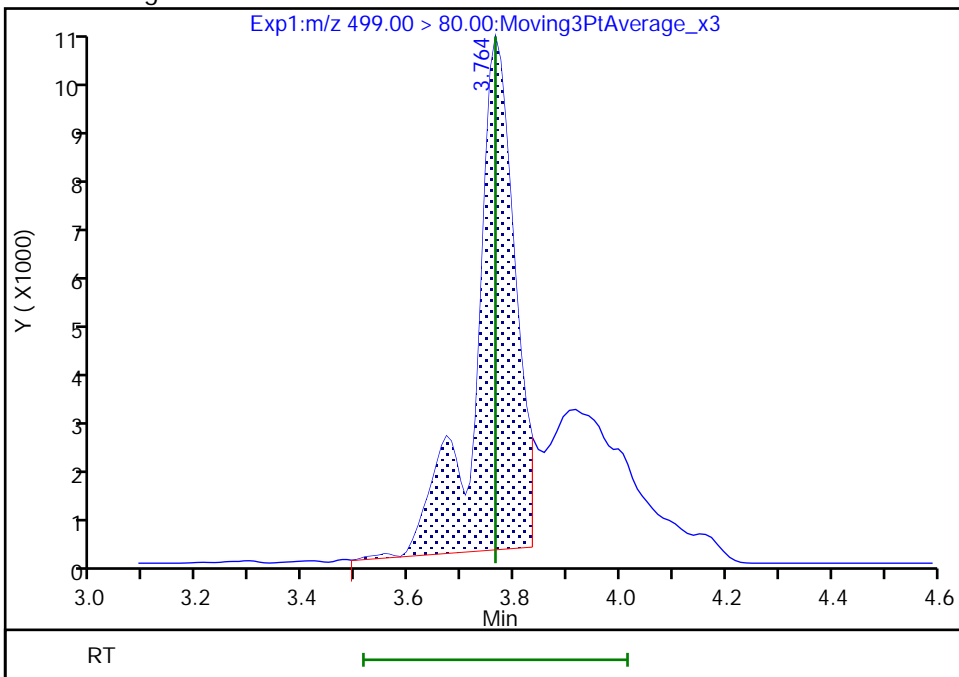
RT: 3.76
Area: 95043
Amount: 0.046400
Amount Units: ng/ml

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

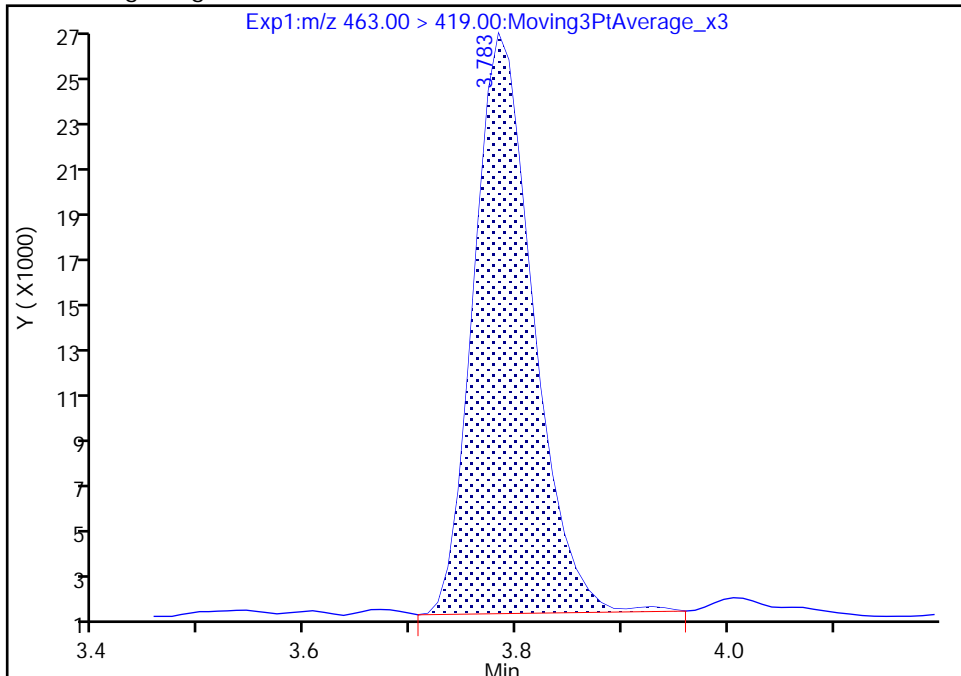
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

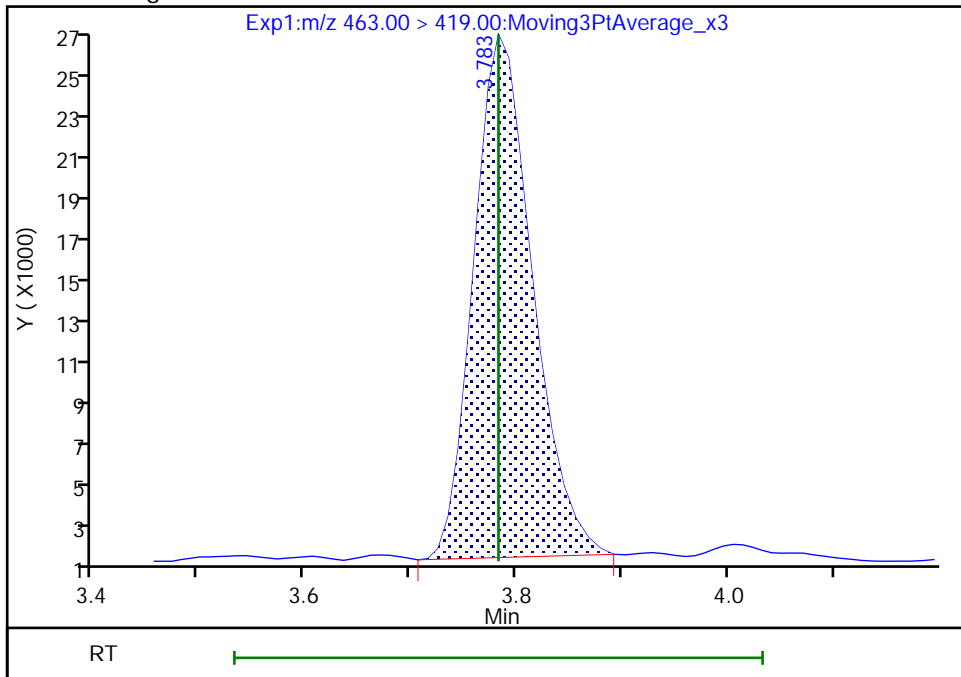
RT: 3.78
Area: 99415
Amount: 0.050000
Amount Units: ng/ml

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

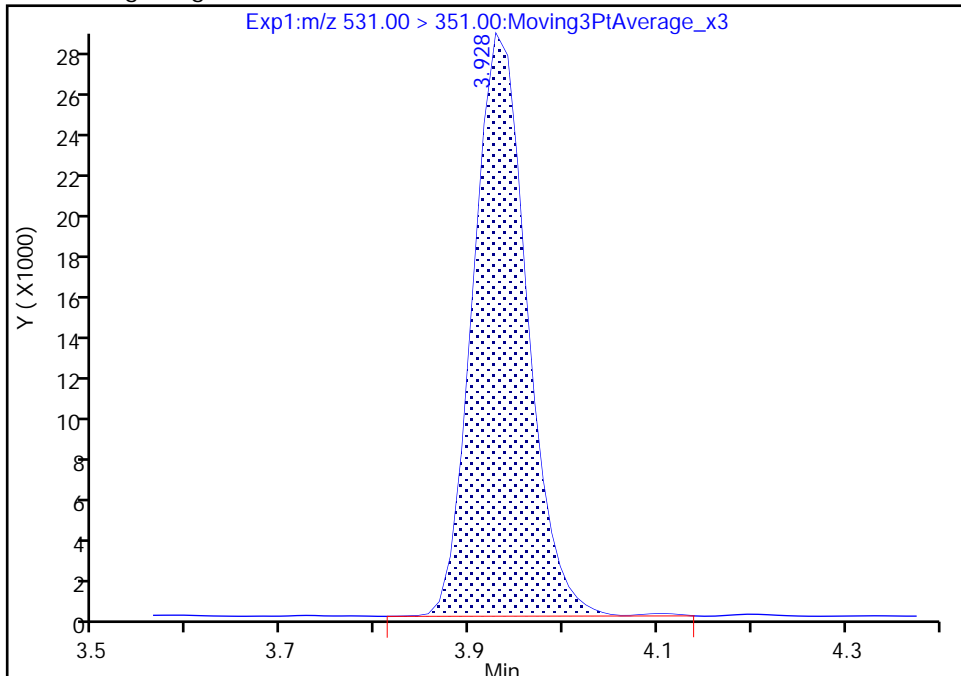
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

69 9-Chlorohexadecafluoro-3-oxanona, CAS: 756426-58-1

Signal: 1

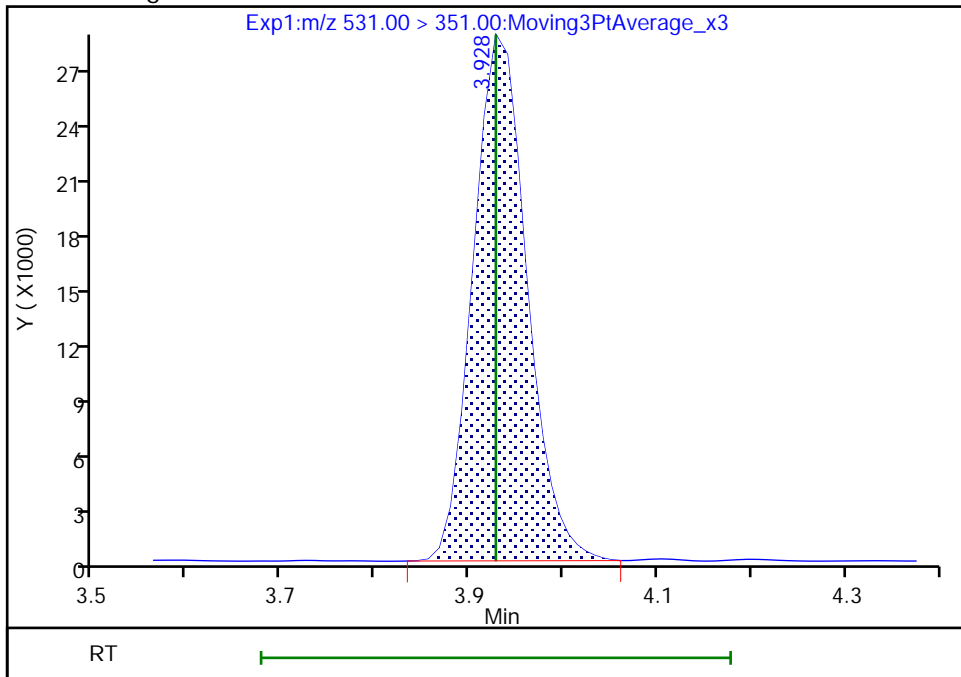
RT: 3.93
Area: 114530
Amount: 0.046600
Amount Units: ng/ml

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

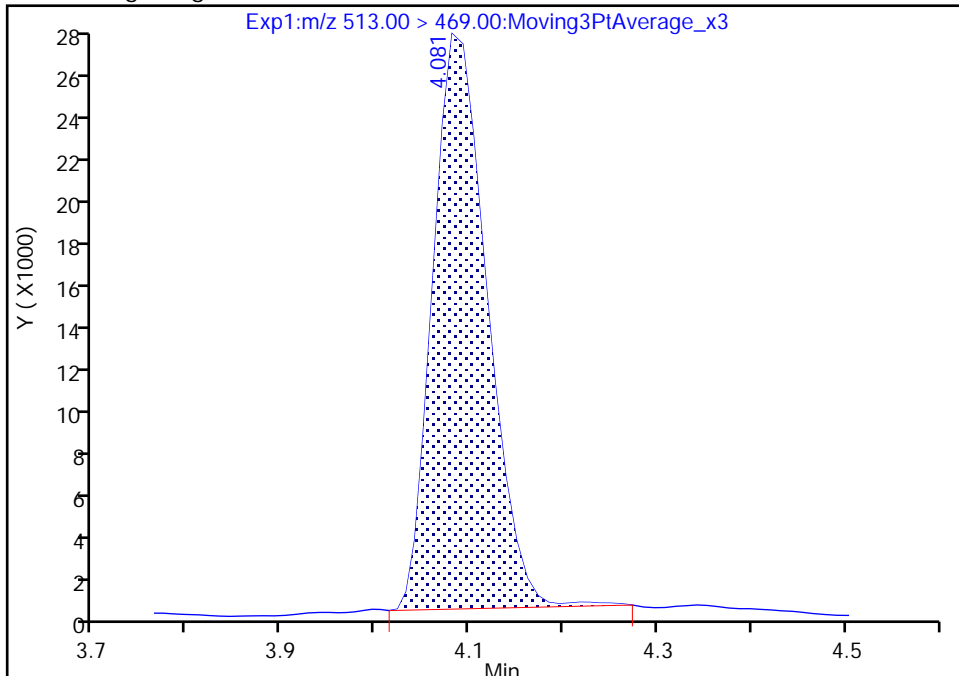
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

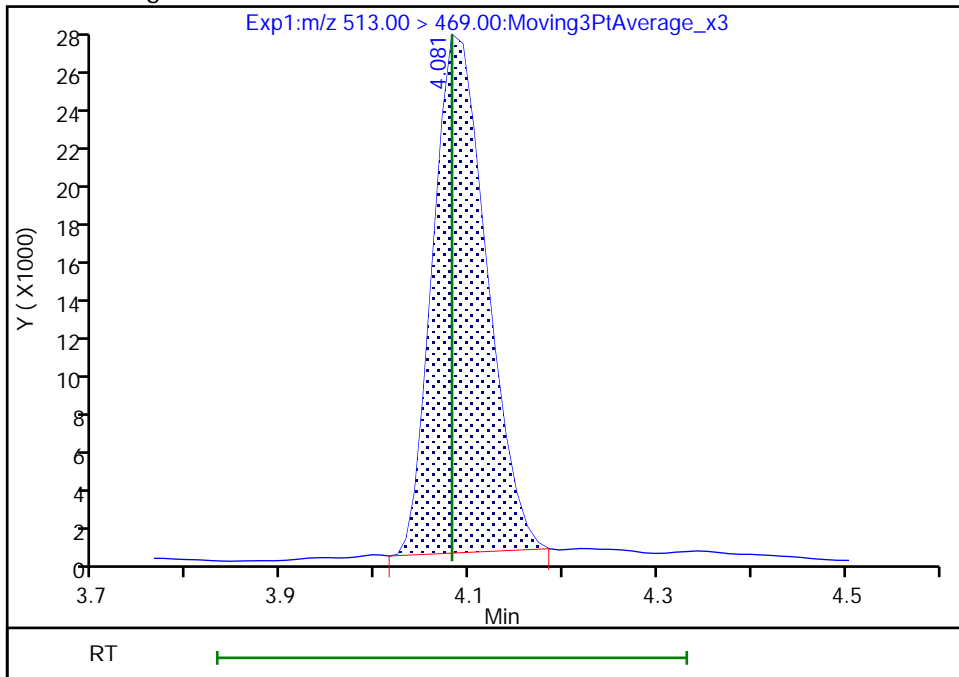
RT: 4.08
Area: 107153
Amount: 0.050000
Amount Units: ng/ml

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

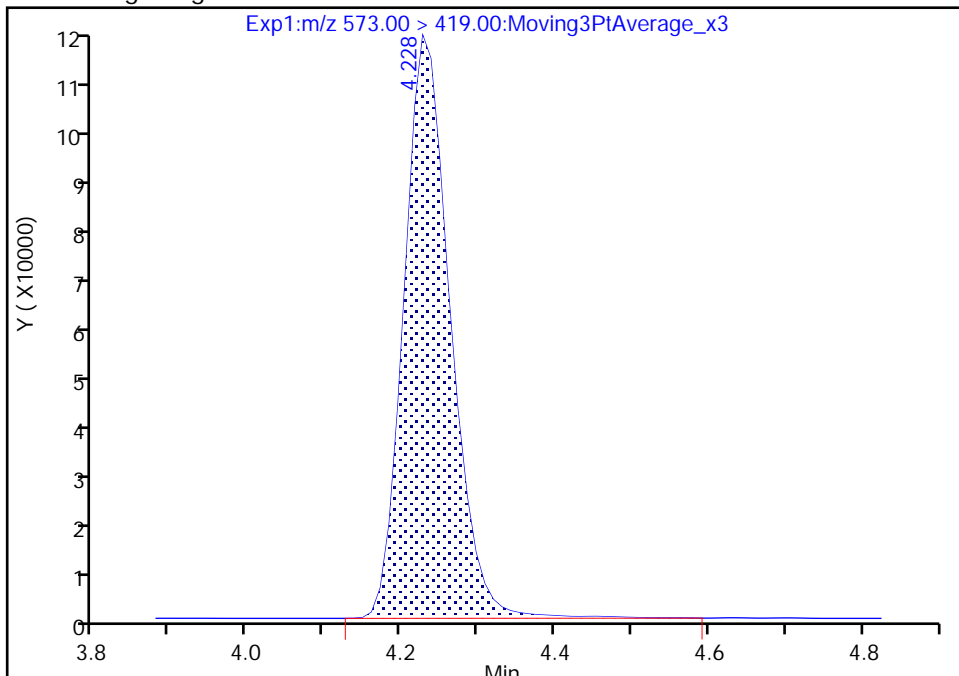
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

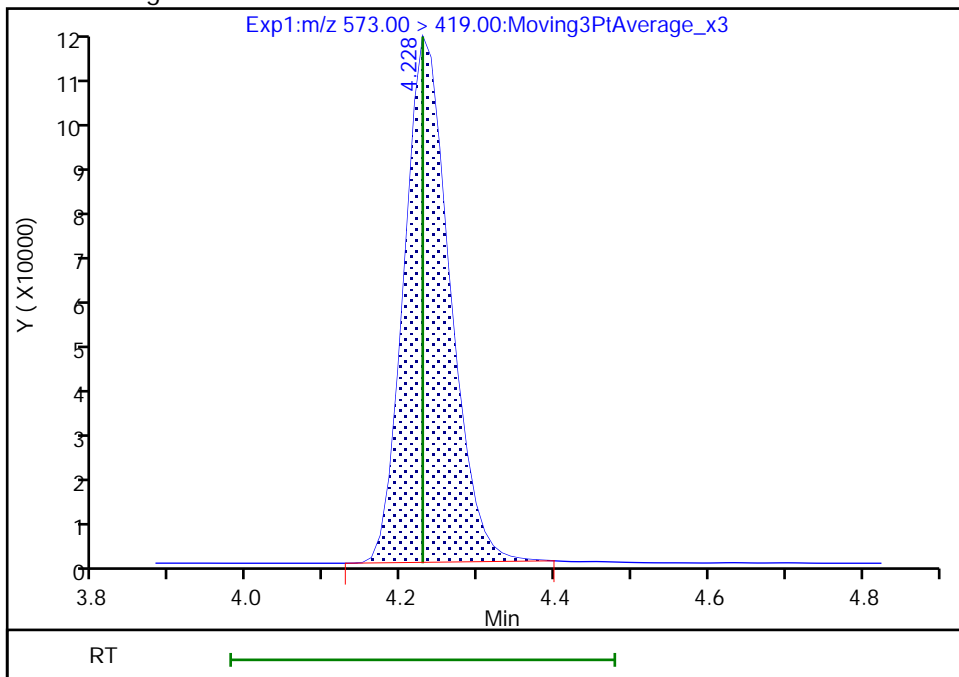
RT: 4.23
Area: 474177
Amount: 1.250000
Amount Units: ng/ml

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

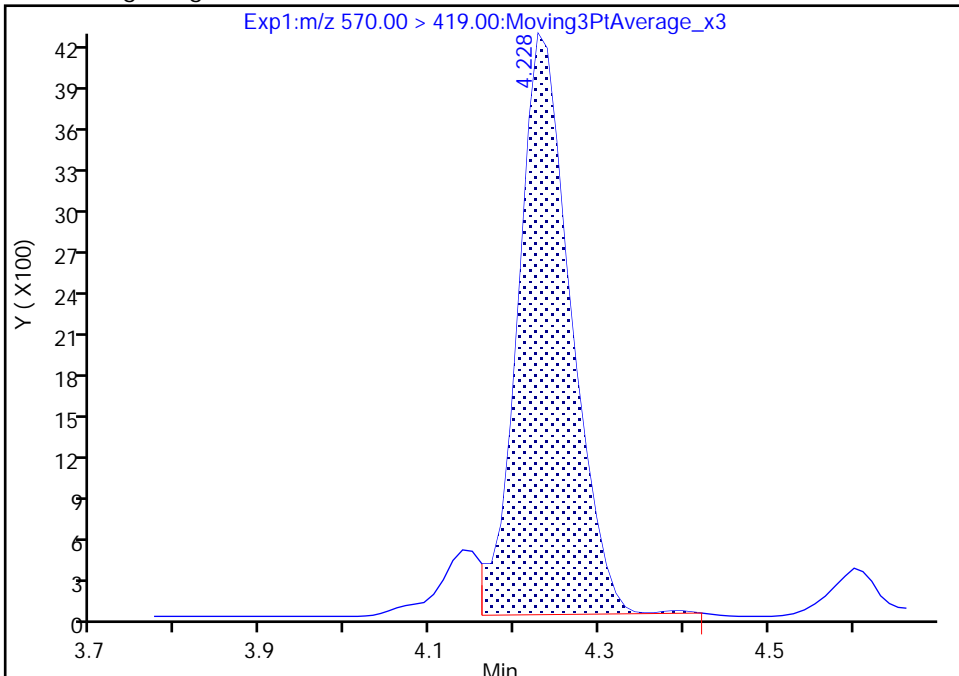
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

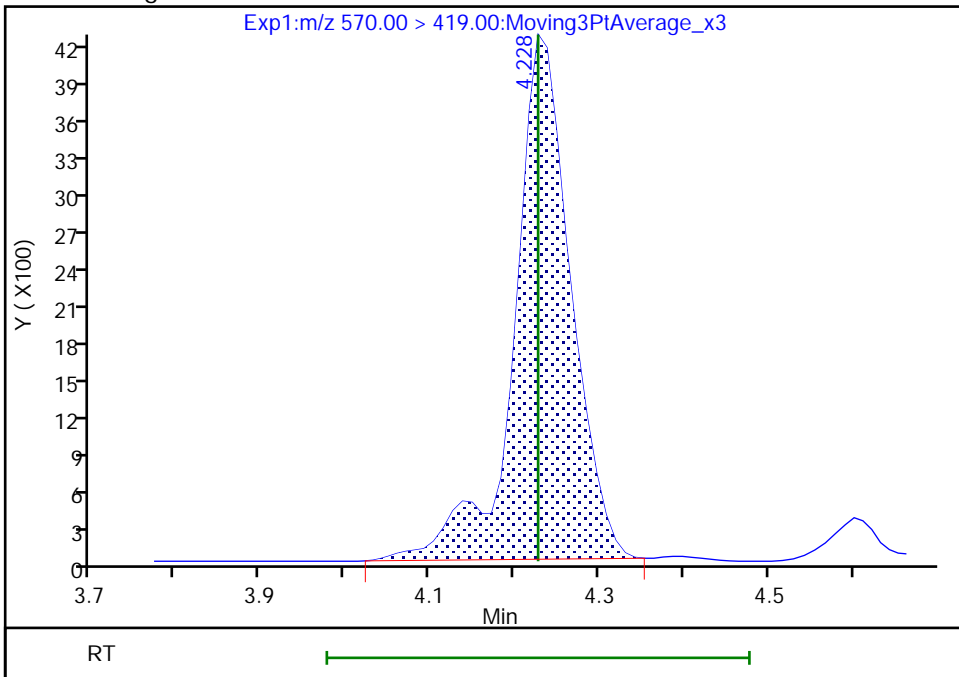
RT: 4.23
Area: 18117
Amount: 0.050000
Amount Units: ng/ml

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

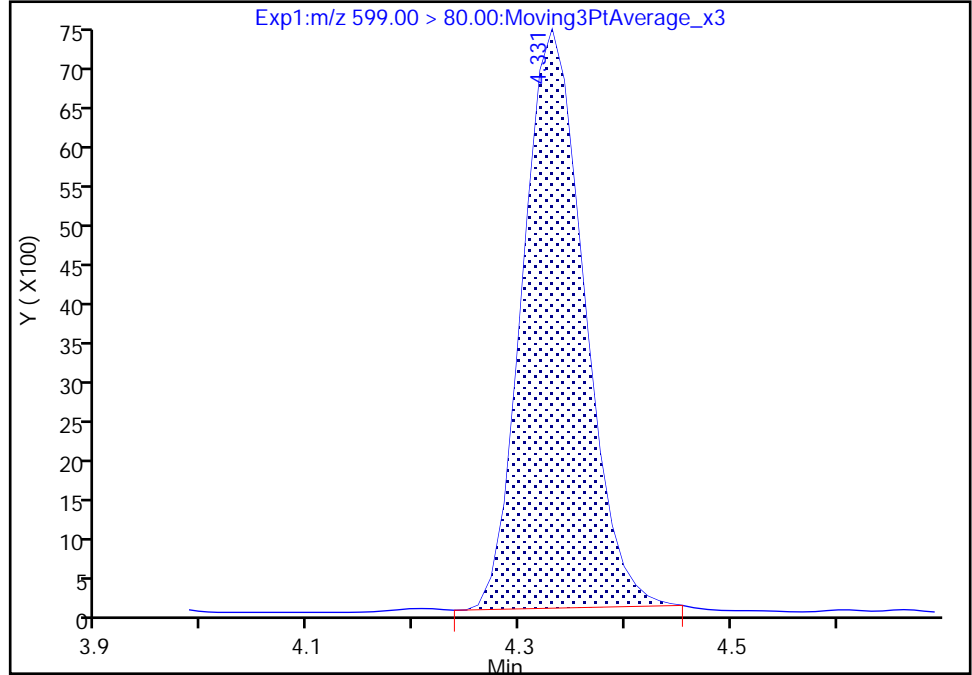
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

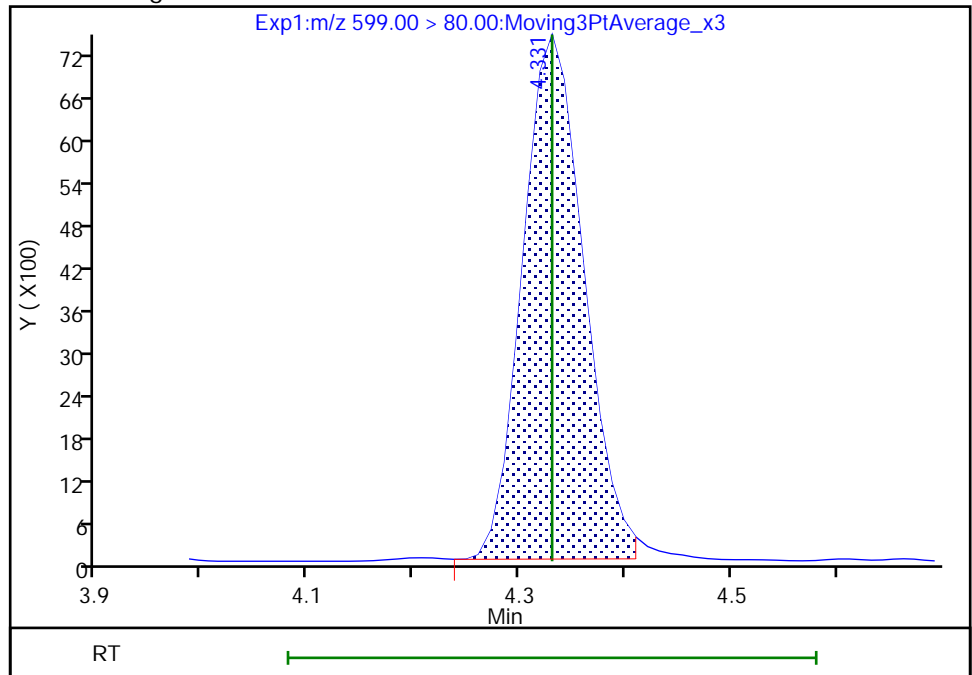
RT: 4.33
Area: 29832
Amount: 0.048200
Amount Units: ng/ml

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

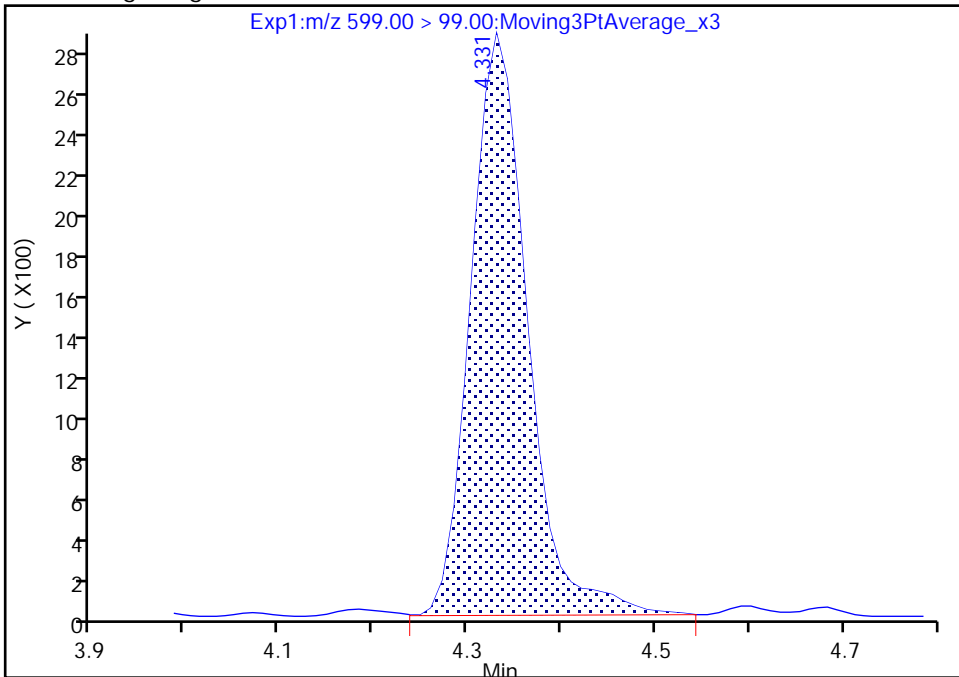
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

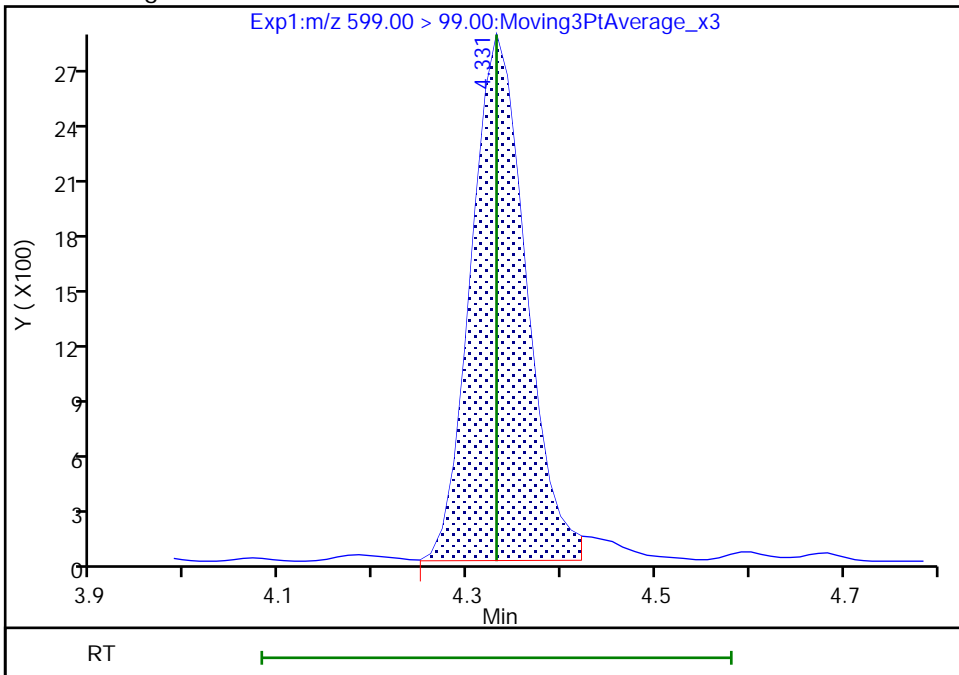
RT: 4.33
Area: 11882
Amount: 0.048200
Amount Units: ng/ml

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

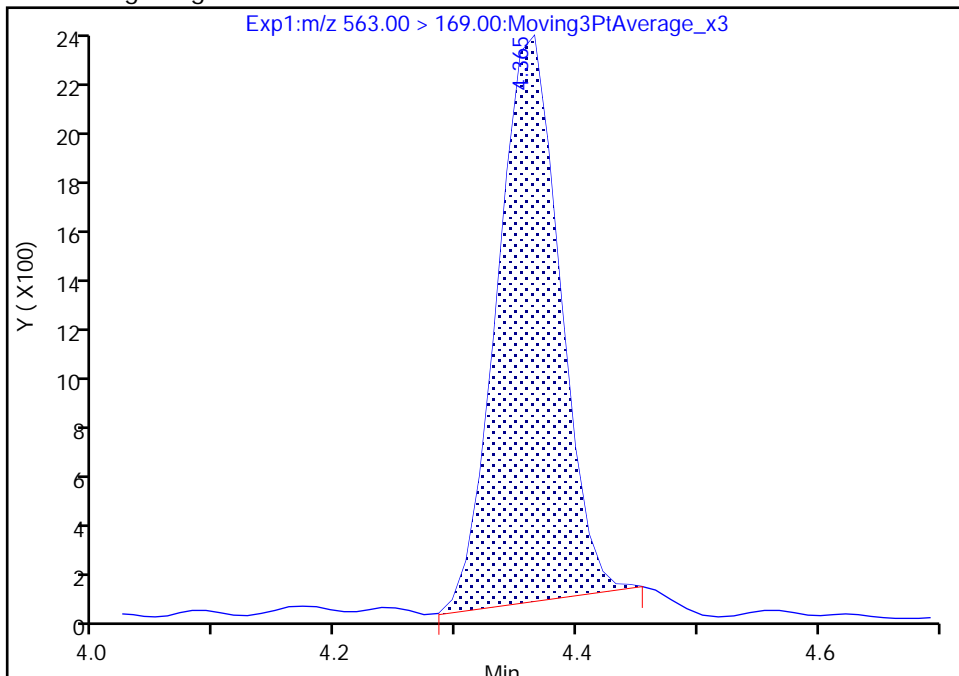
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

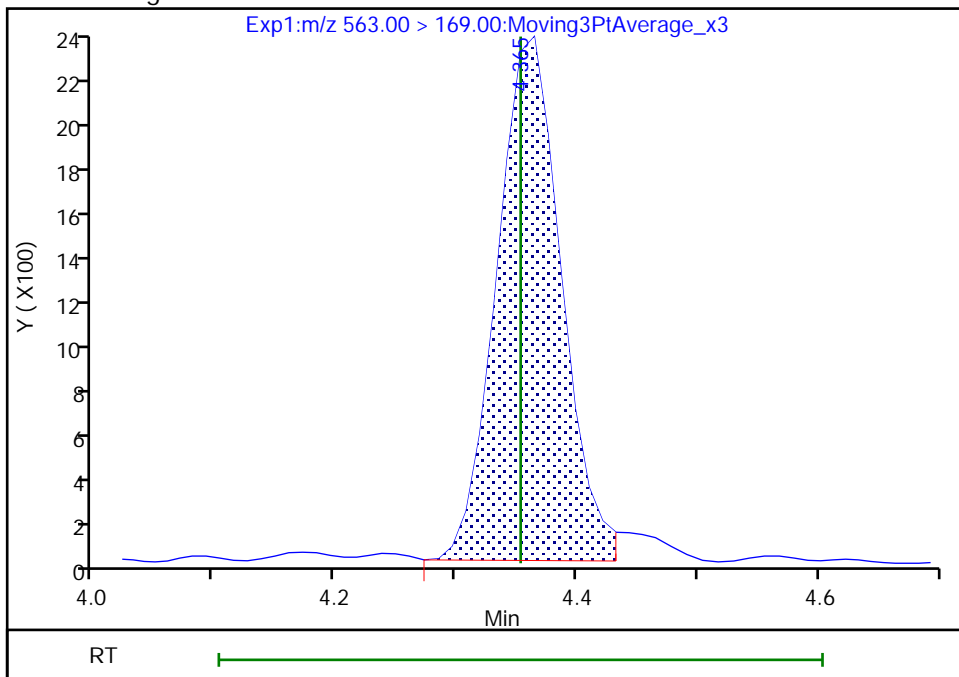
RT: 4.36
Area: 8199
Amount: 0.050000
Amount Units: ng/ml

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

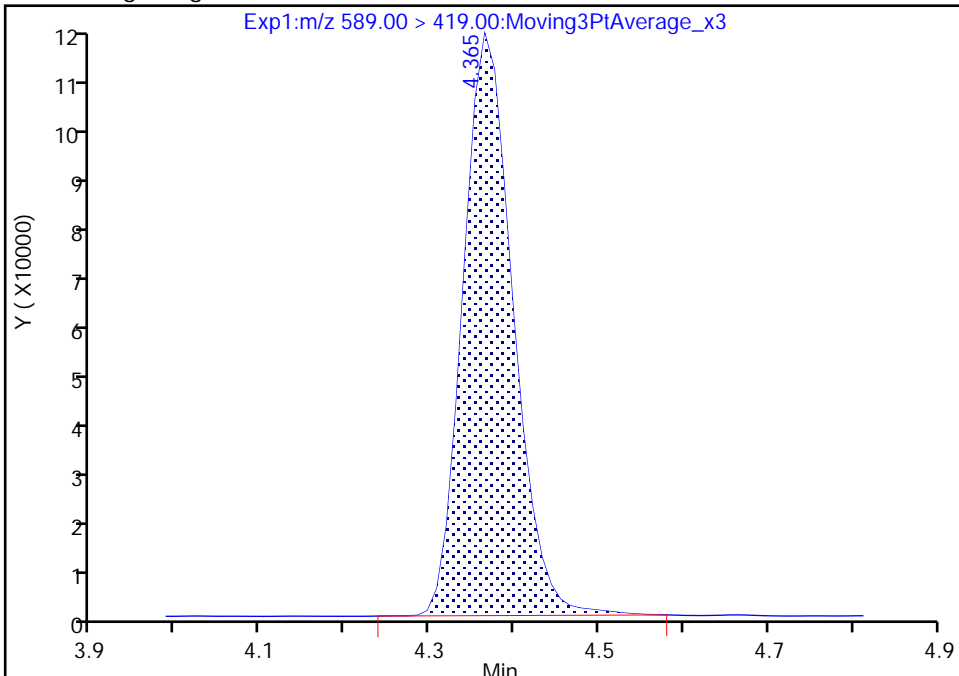
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 32 d5-NEtFOSAA, CAS: STL02117

Signal: 1

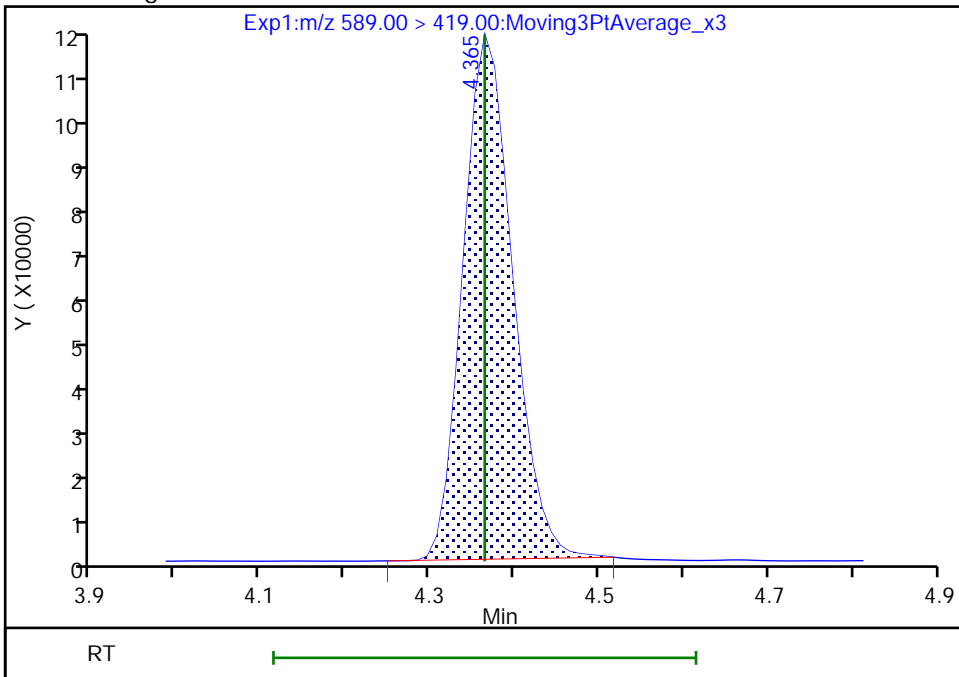
RT: 4.36
Area: 459600
Amount: 1.250000
Amount Units: ng/ml

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

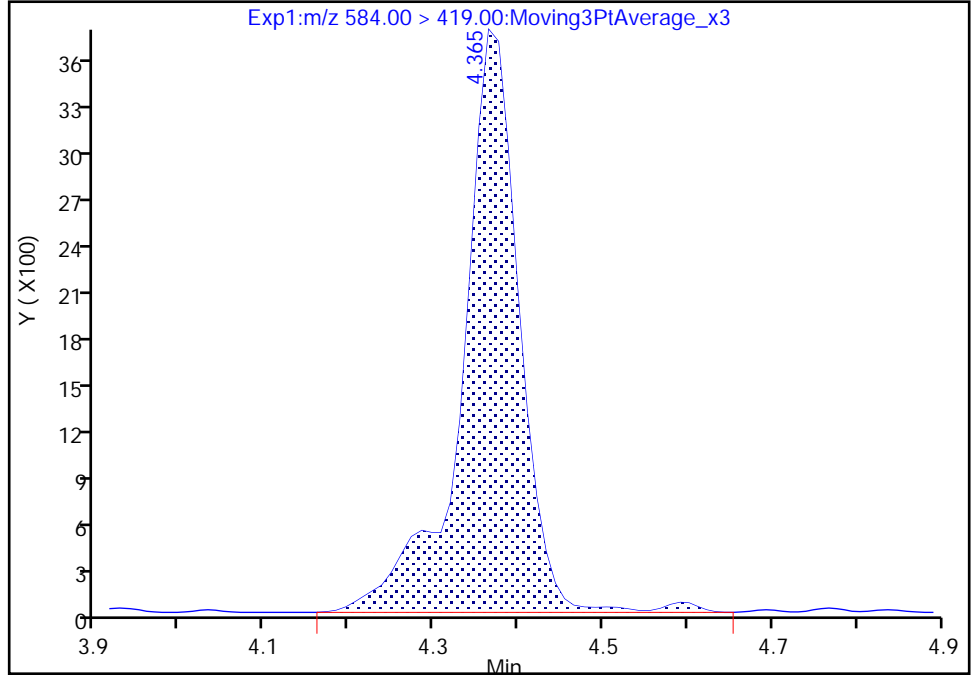
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

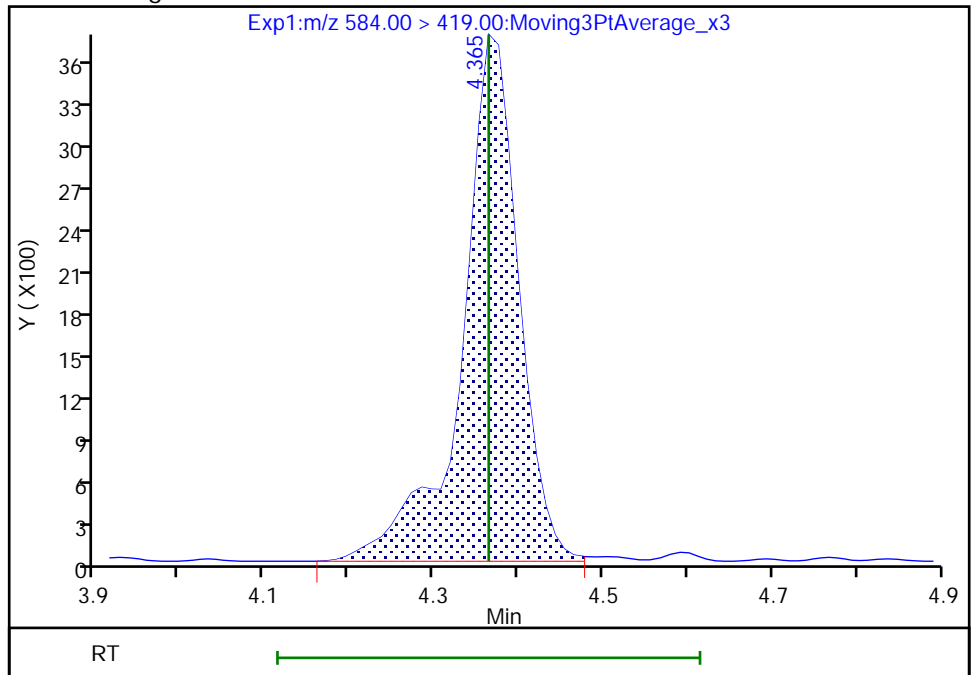
RT: 4.36
Area: 17811
Amount: 0.050000
Amount Units: ng/ml

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

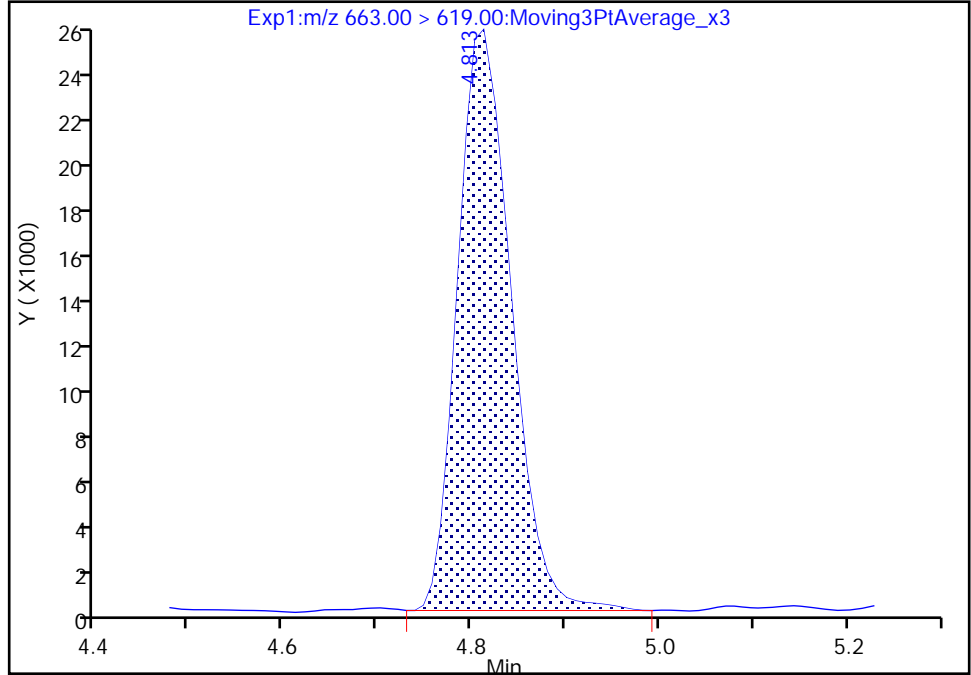
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

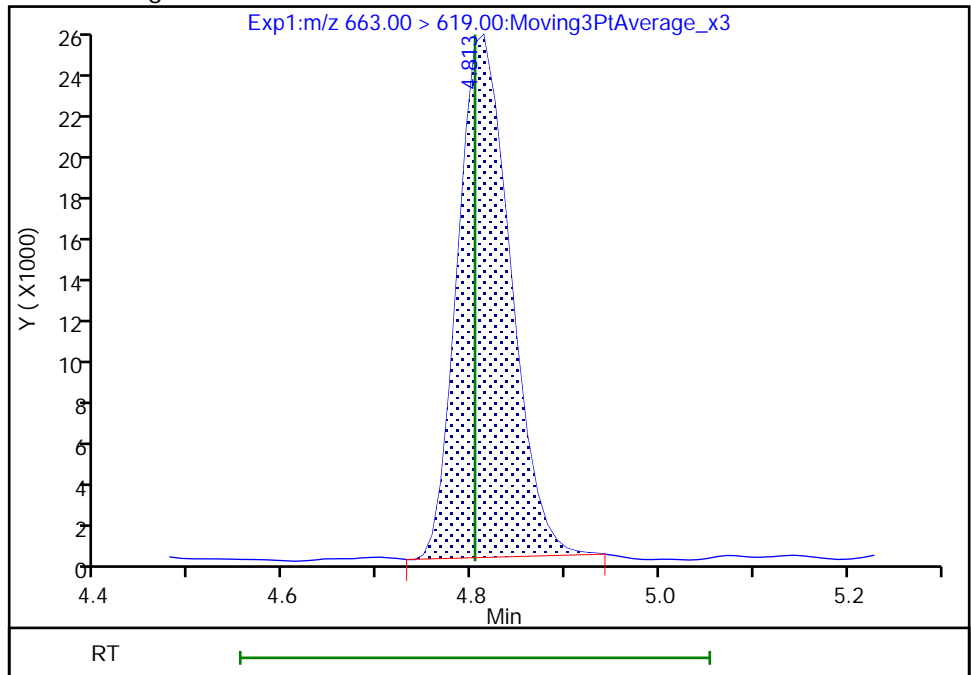
RT: 4.81
Area: 96503
Amount: 0.050000
Amount Units: ng/ml

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

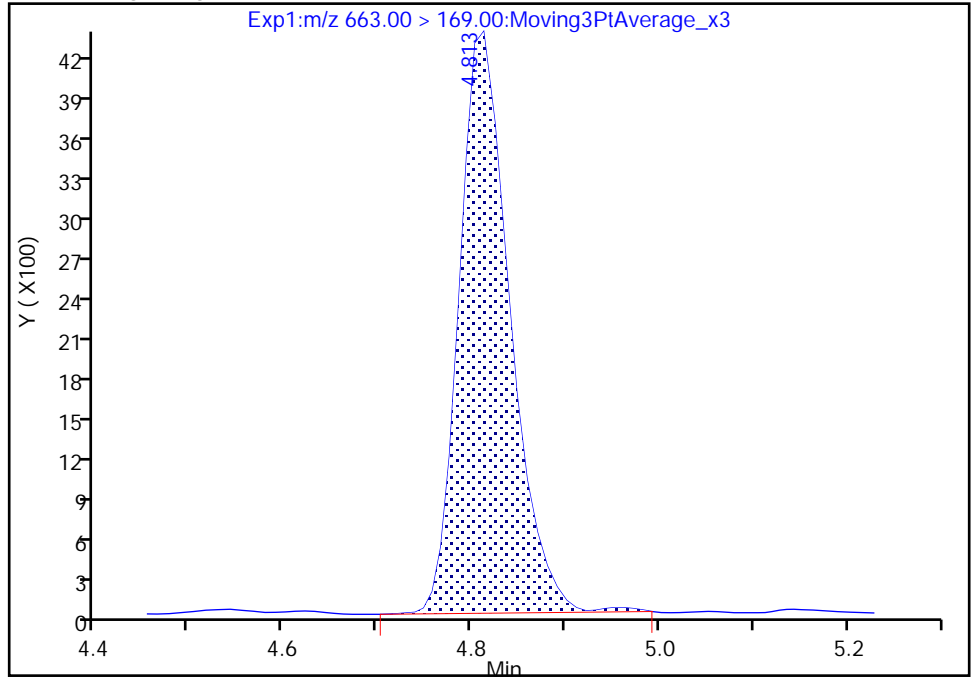
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

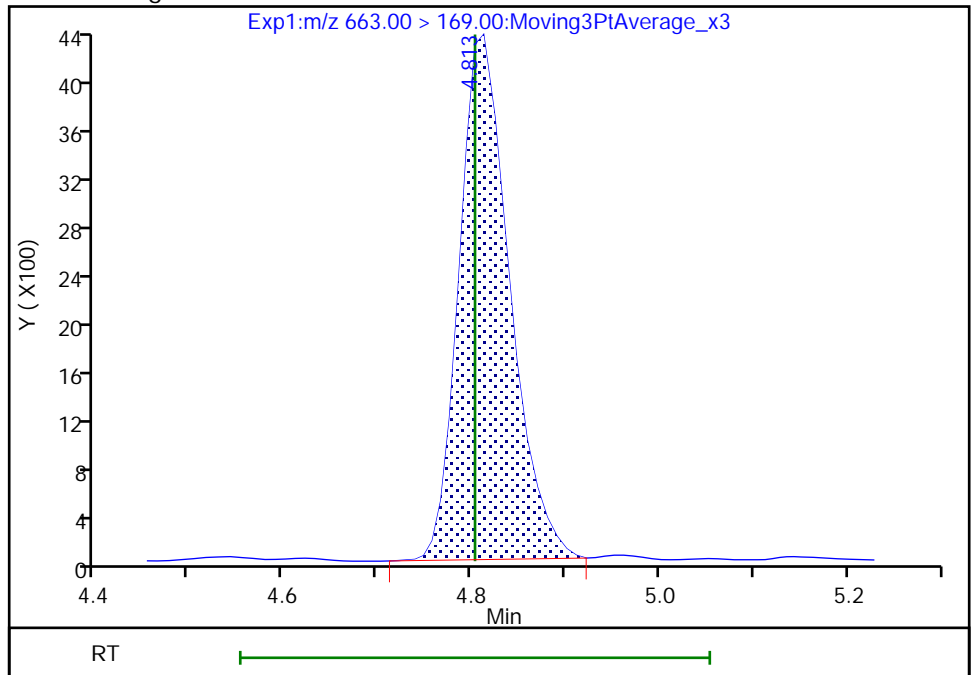
RT: 4.81
Area: 16454
Amount: 0.050000
Amount Units: ng/ml

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

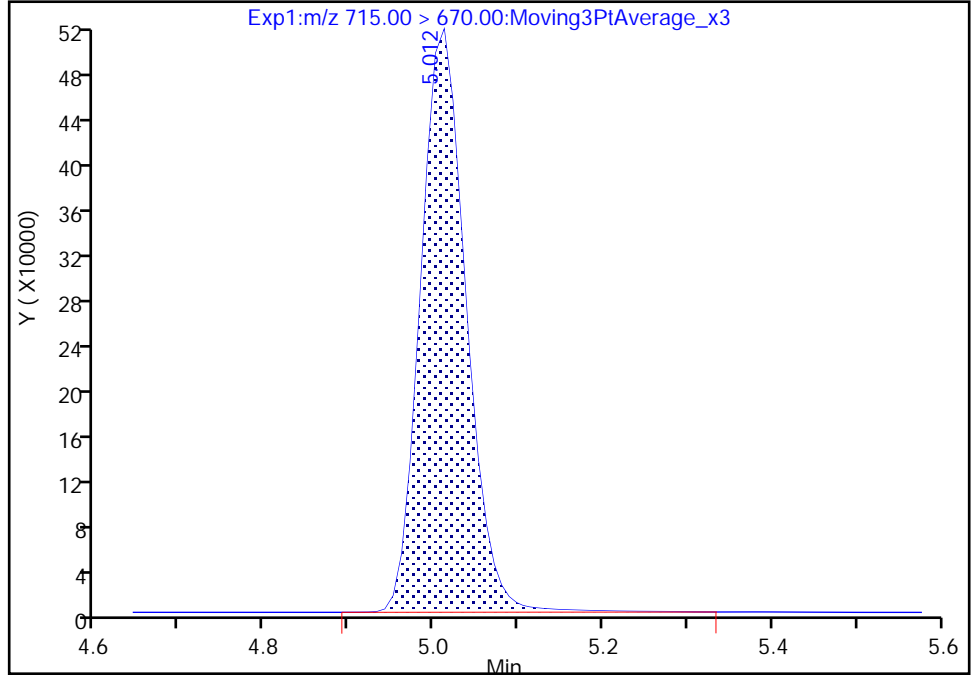
Eurofins Burlington

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

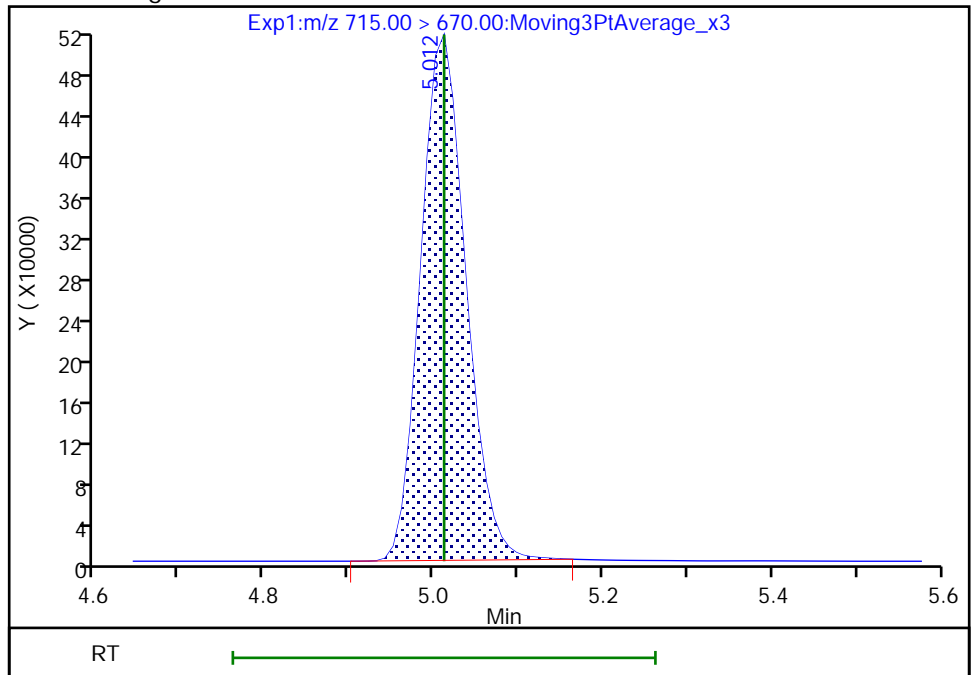
RT: 5.01
Area: 1903053
Amount: 1.250000
Amount Units: ng/ml

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

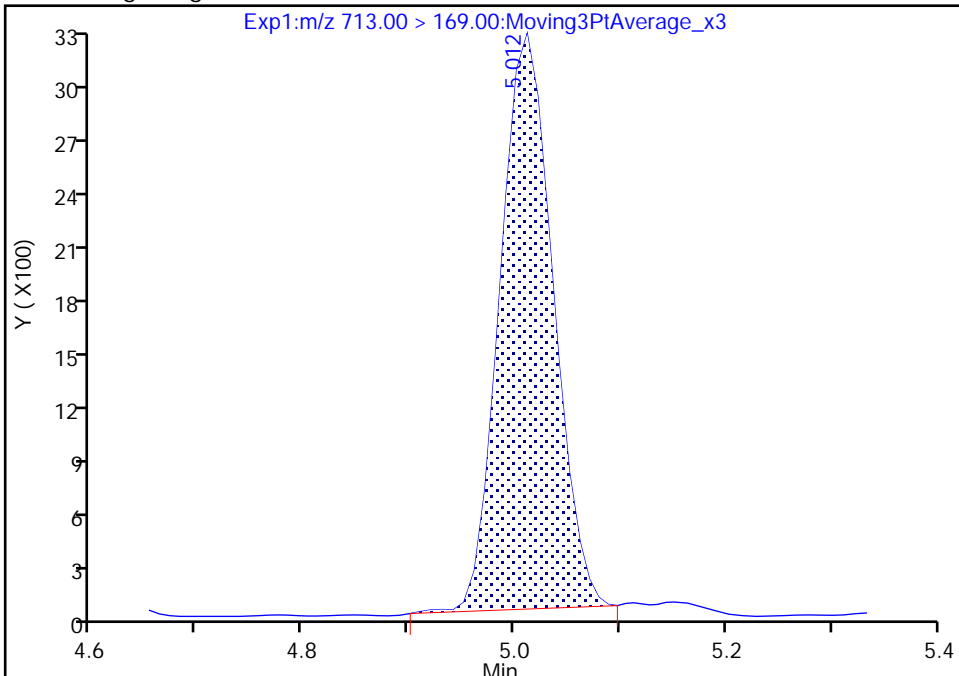
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

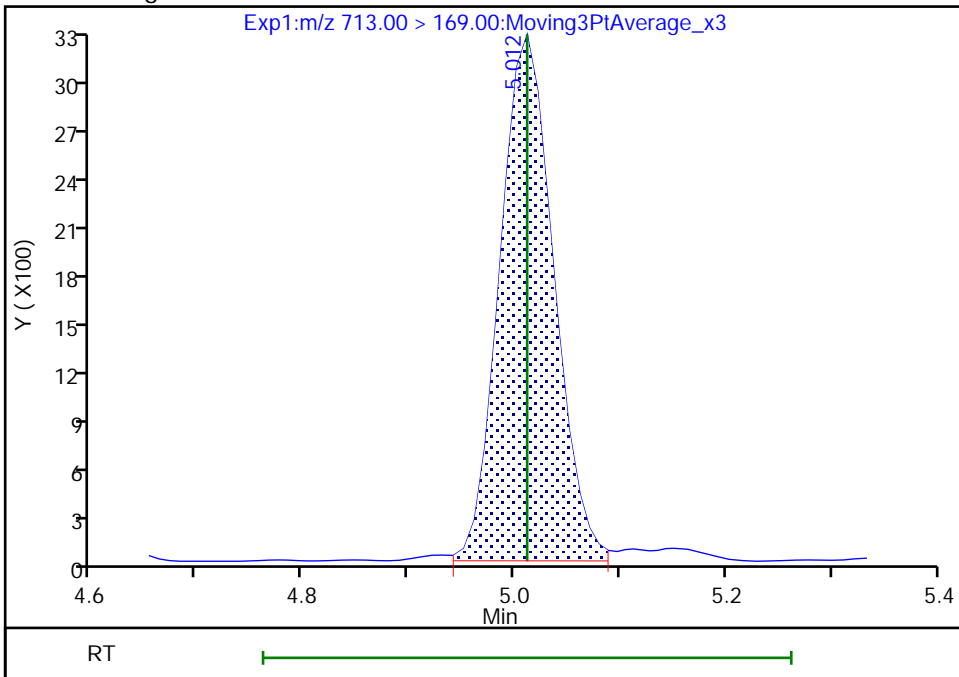
RT: 5.01
Area: 11187
Amount: 0.050000
Amount Units: ng/ml

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	M

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

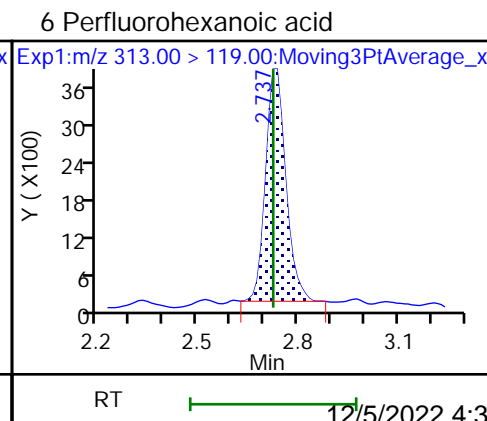
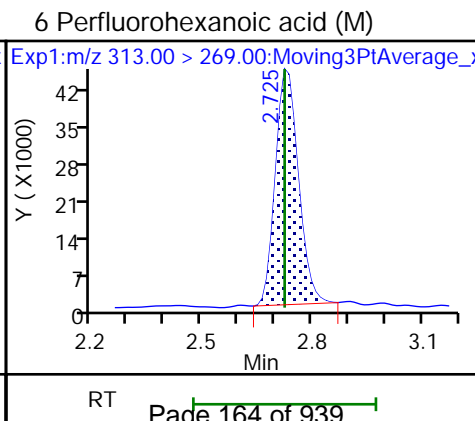
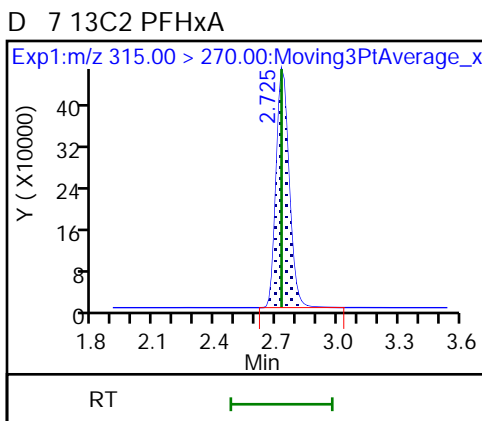
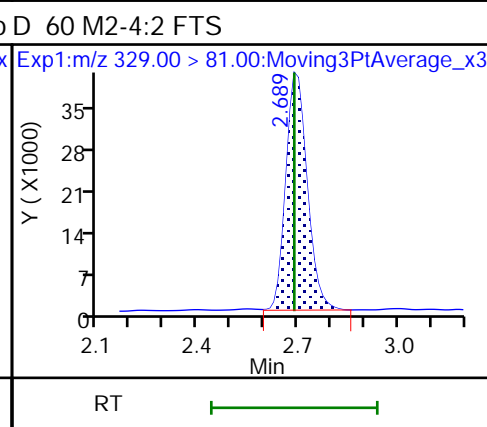
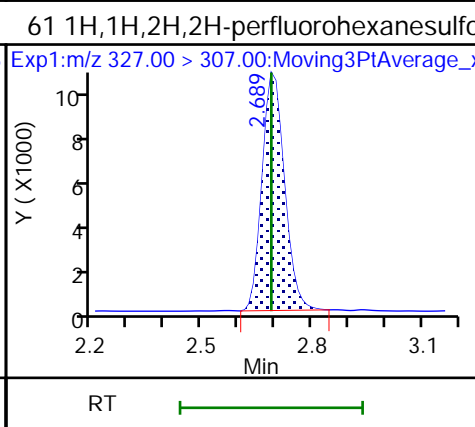
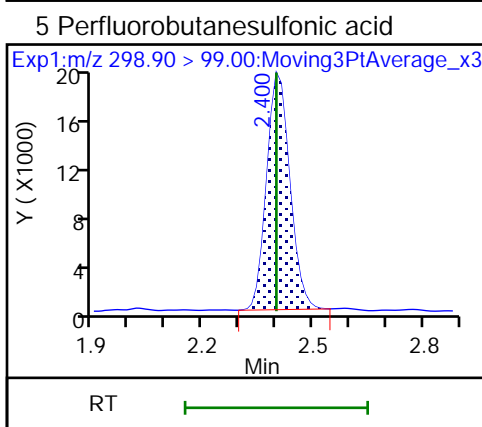
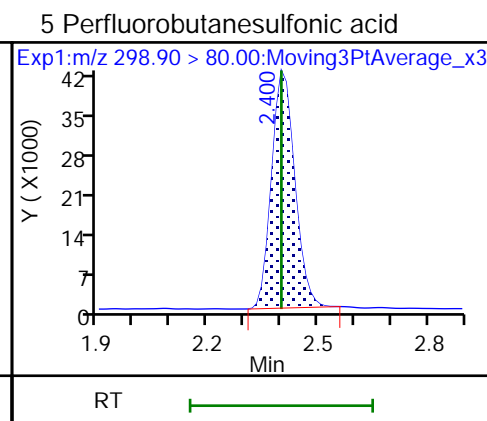
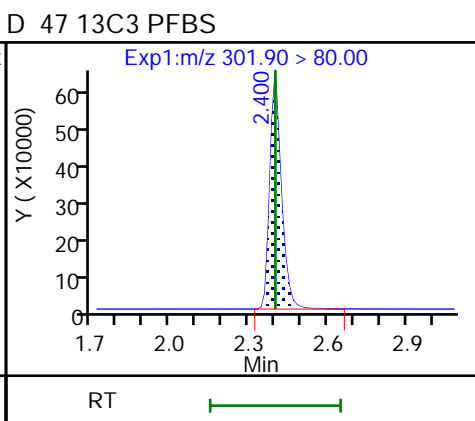
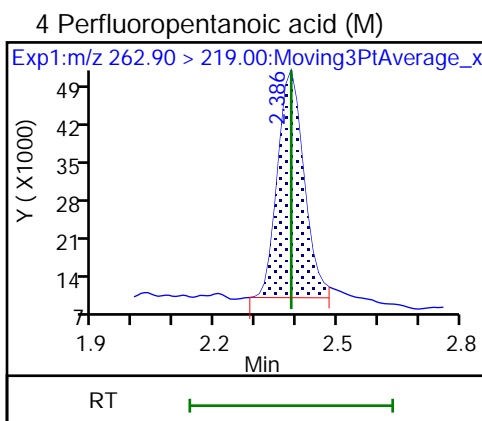
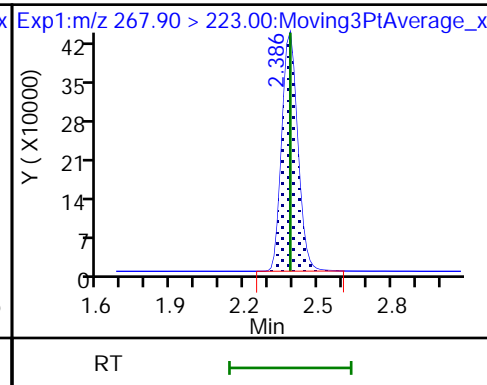
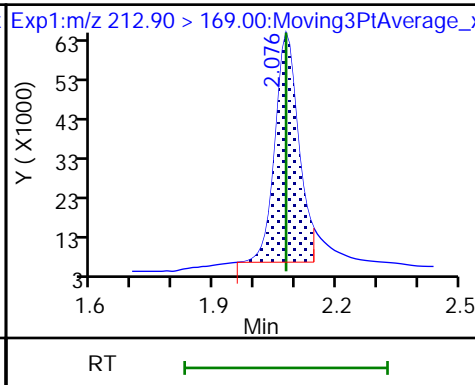
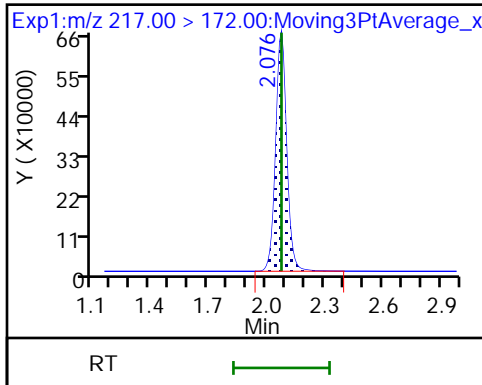
Method: PFC_LC812

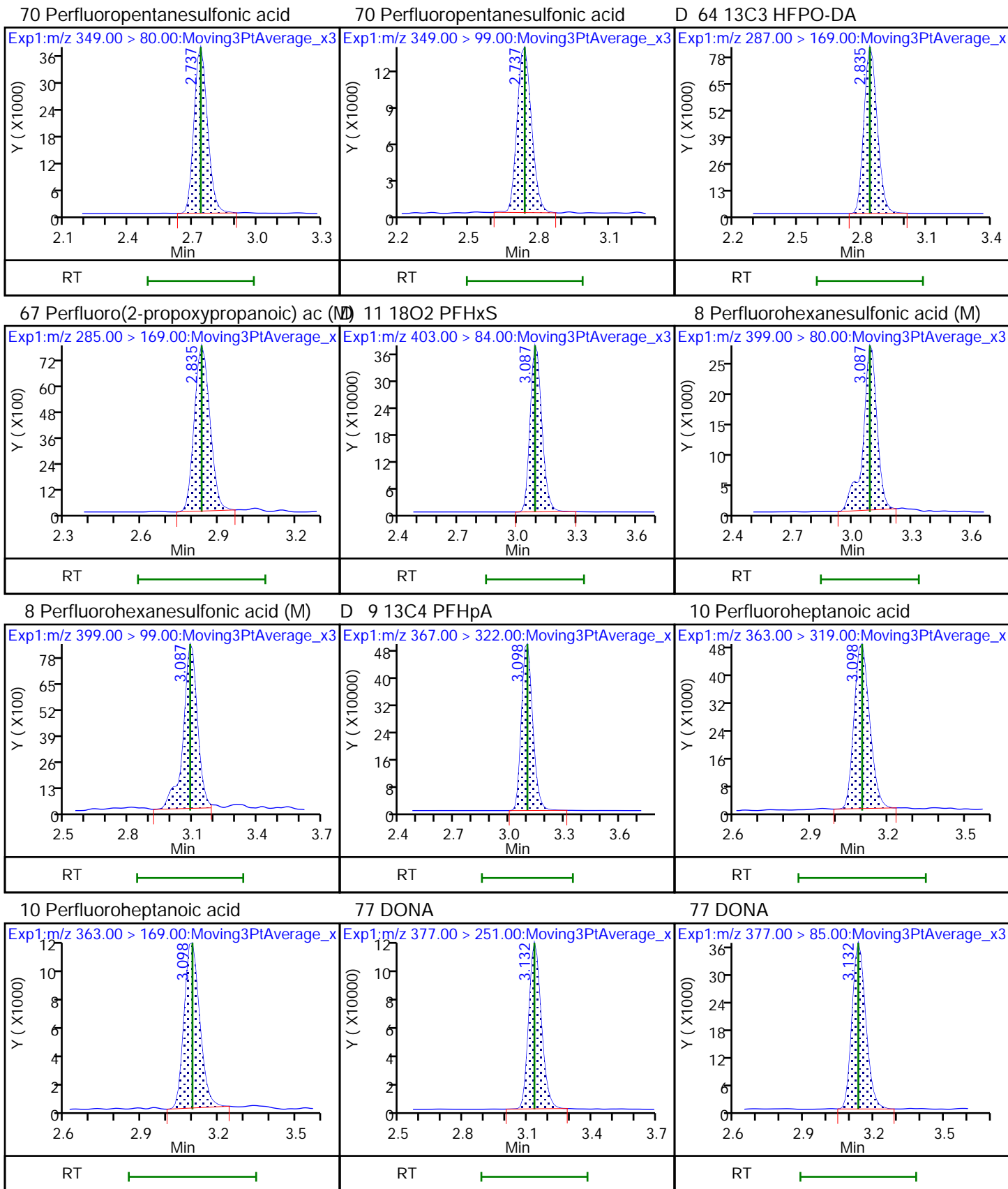
Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

D 3 13C5 PFPeA

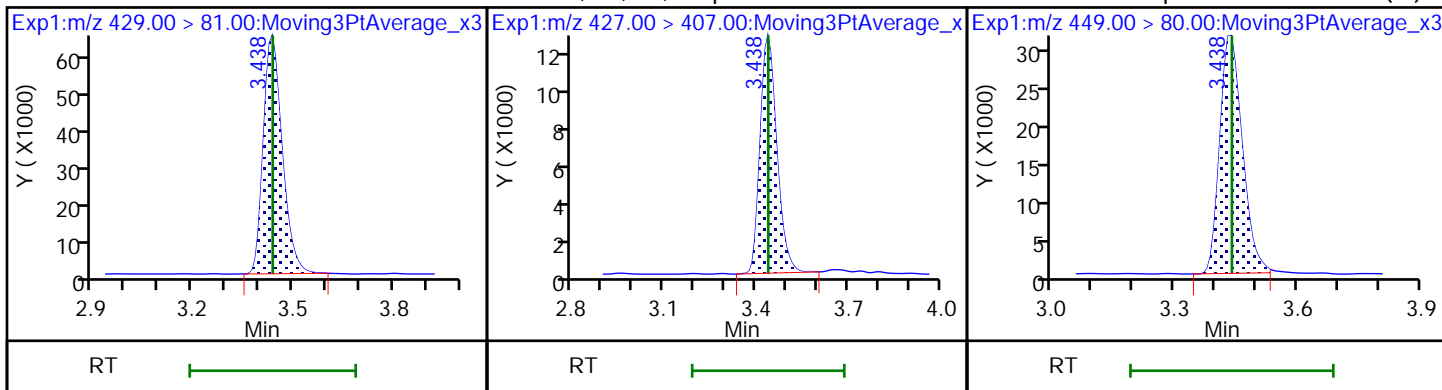




D 12 M2-6:2 FTS

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

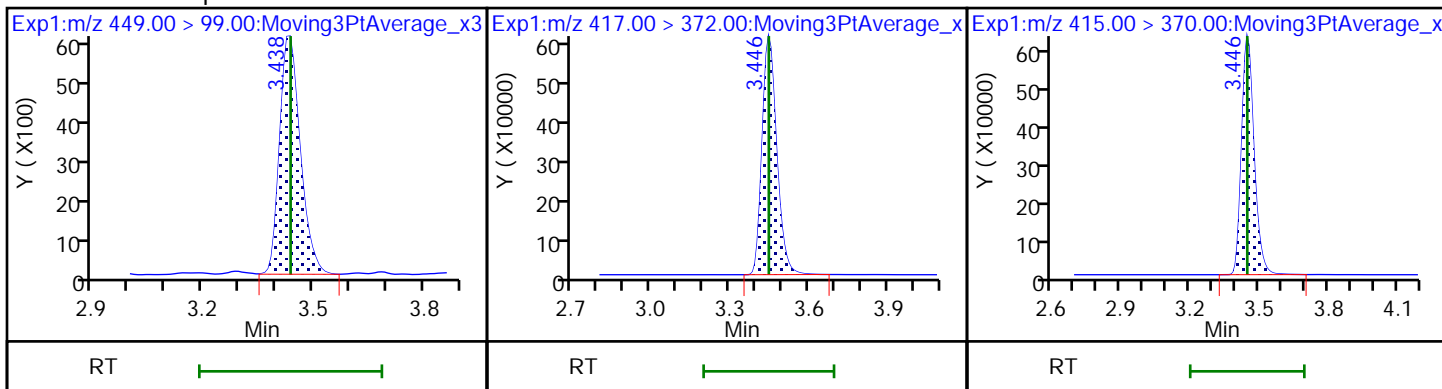
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid

D 14 13C4 PFOA

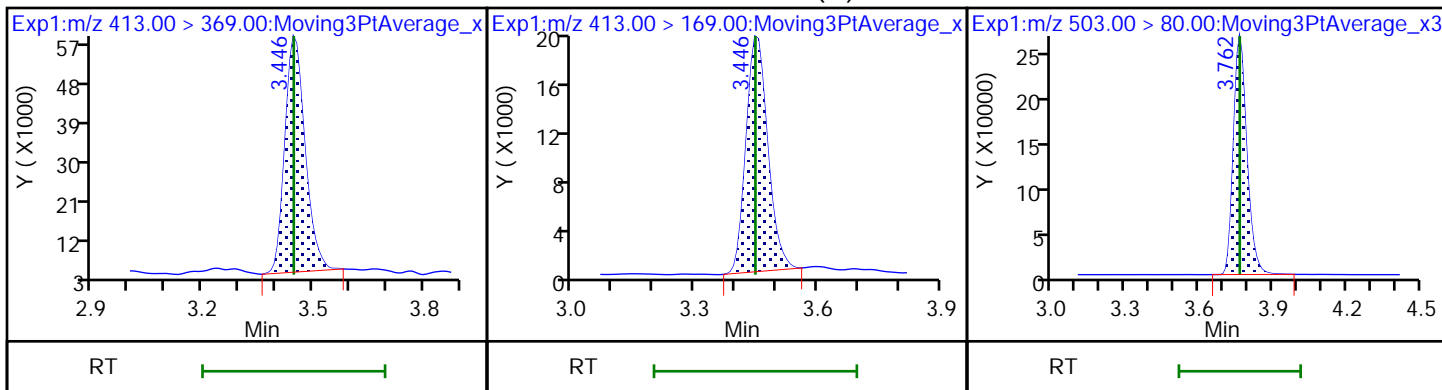
* 62 13C2 PFOA



15 Perfluorooctanoic acid

15 Perfluorooctanoic acid (M)

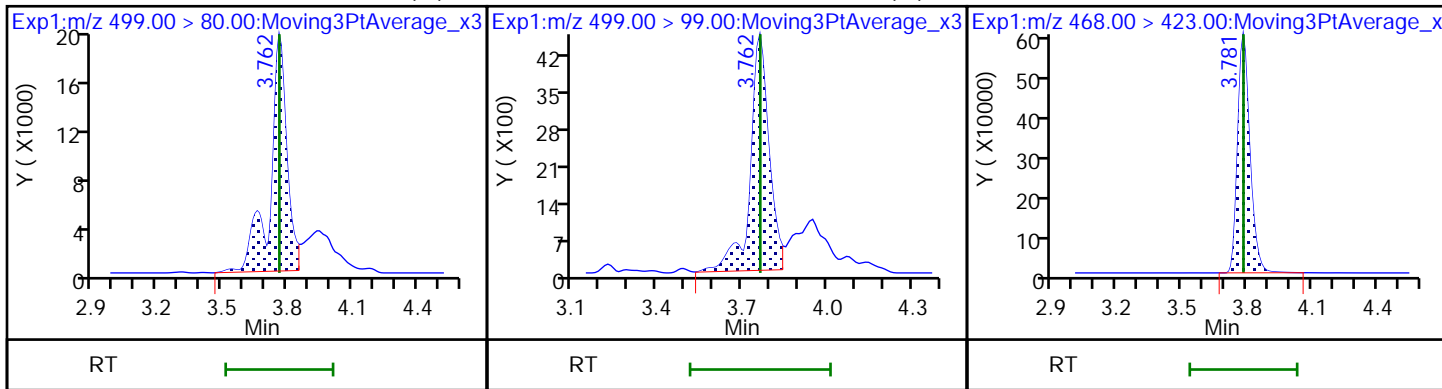
D 18 13C4 PFOS

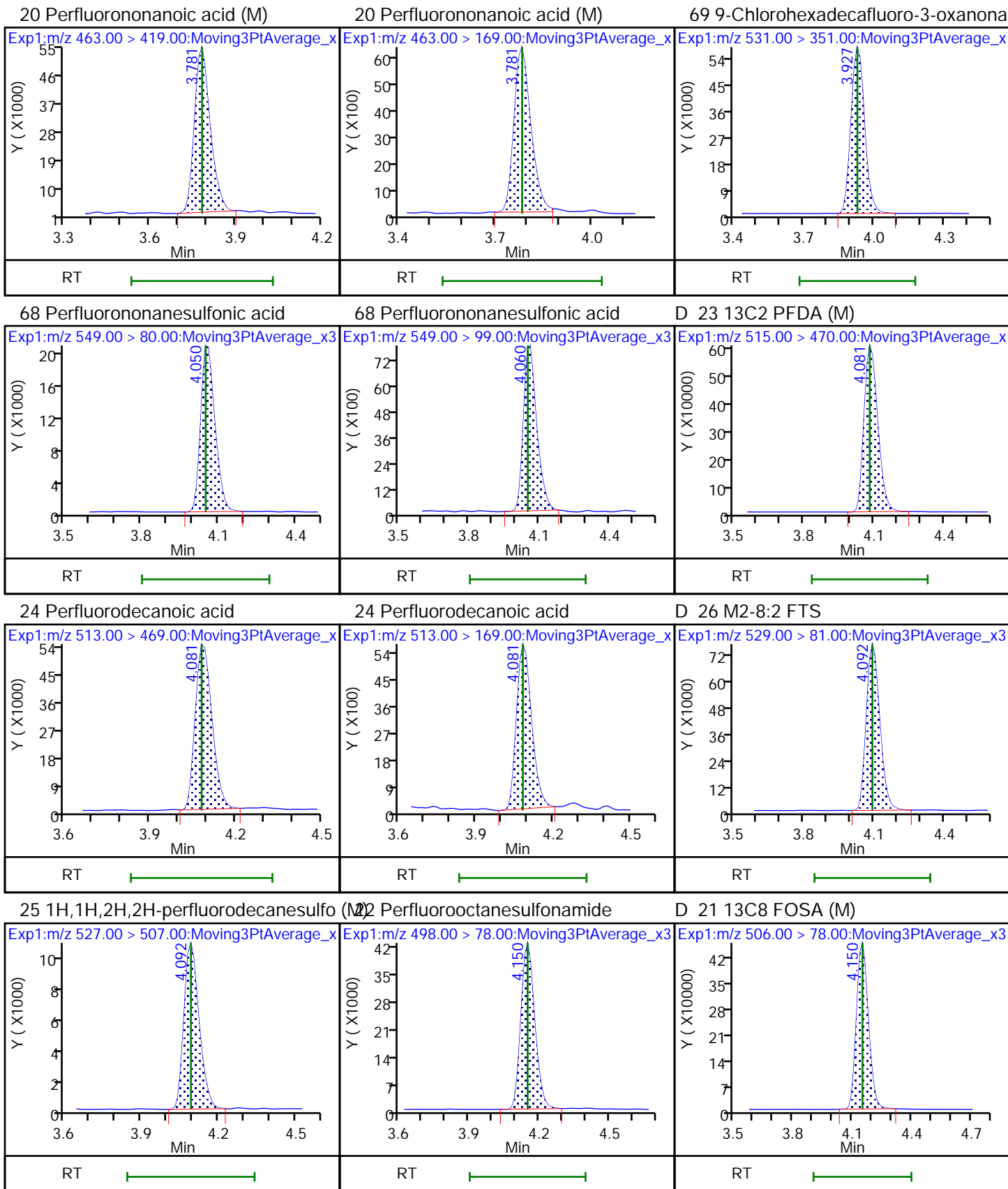


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

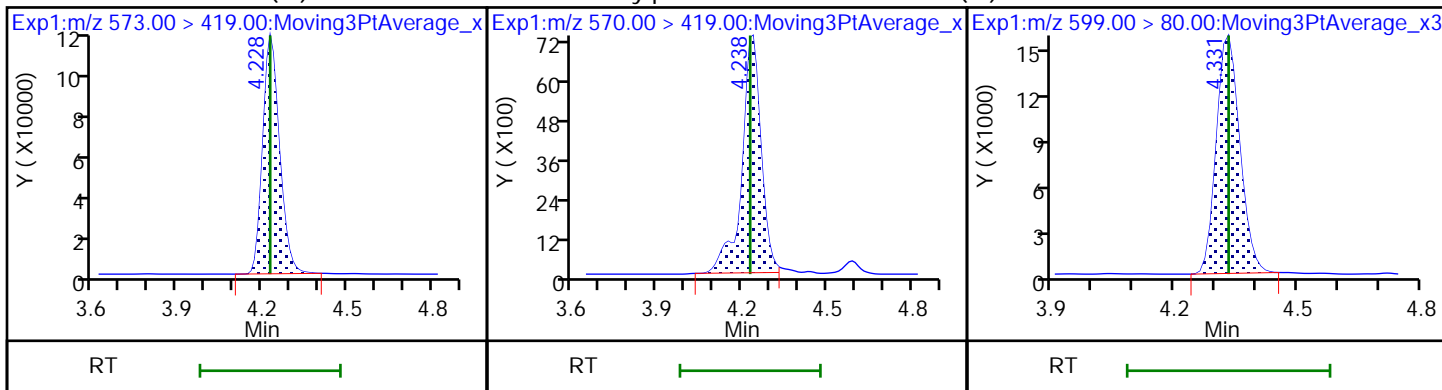
D 19 13C5 PFNA





D 27 d3-NMeFOSAA (M)

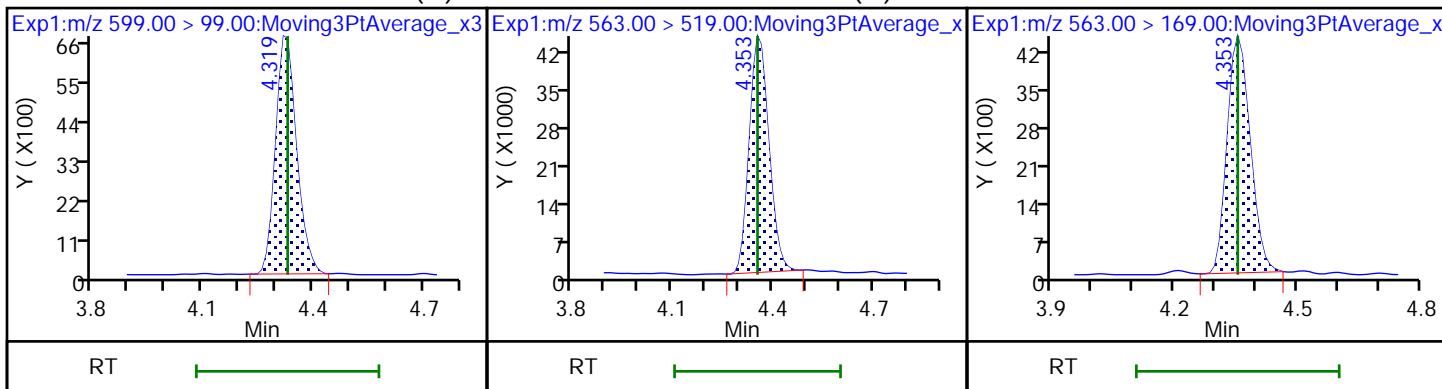
28 N-methylperfluorooctanesulfonami (M) 29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid (M)

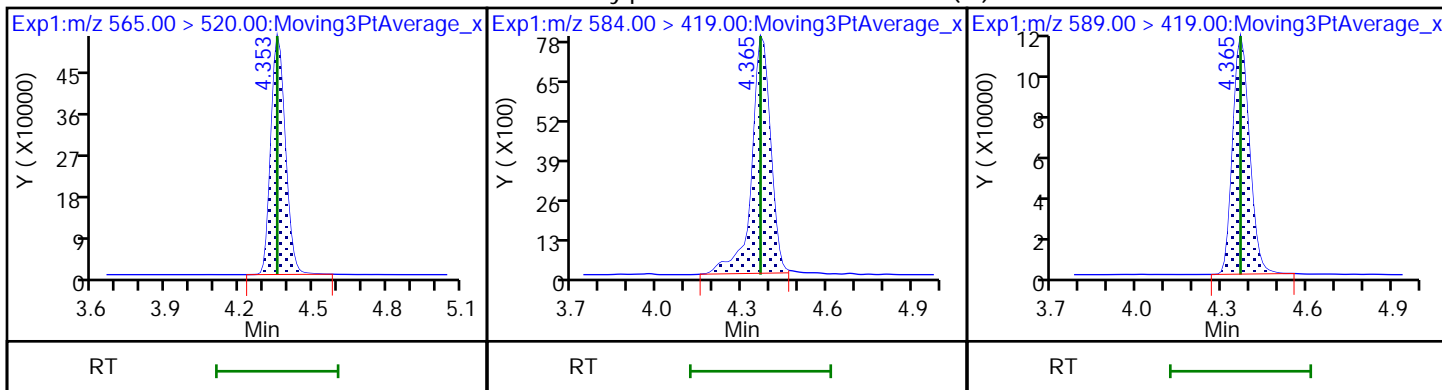
31 Perfluoroundecanoic acid (M)

31 Perfluoroundecanoic acid



D 30 13C2 PFUnA

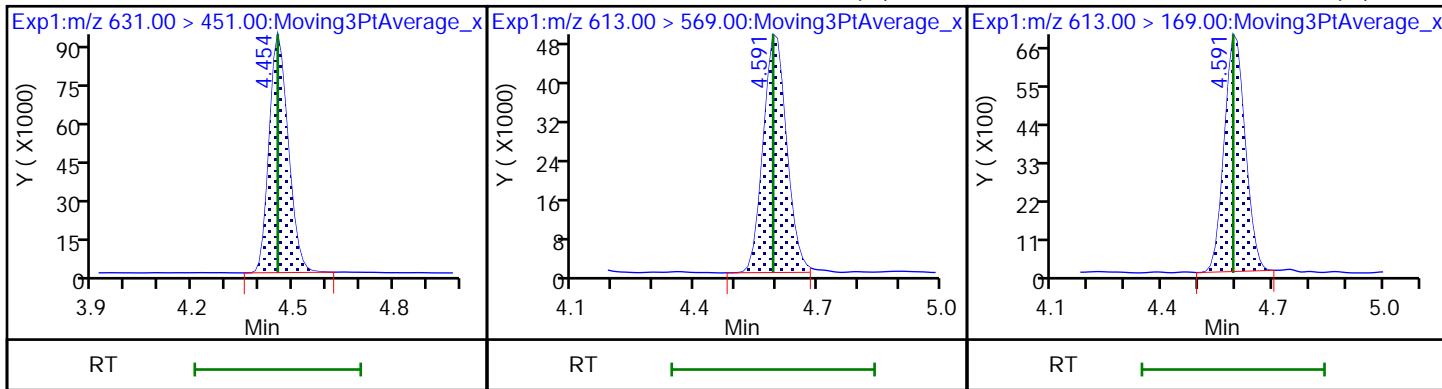
33 N-ethylperfluorooctanesulfonamid (M) 32 d5-NEtFOSAA



66 11-Chloroeicosafuoro-3-oxaundec

37 Perfluorododecanoic acid (M)

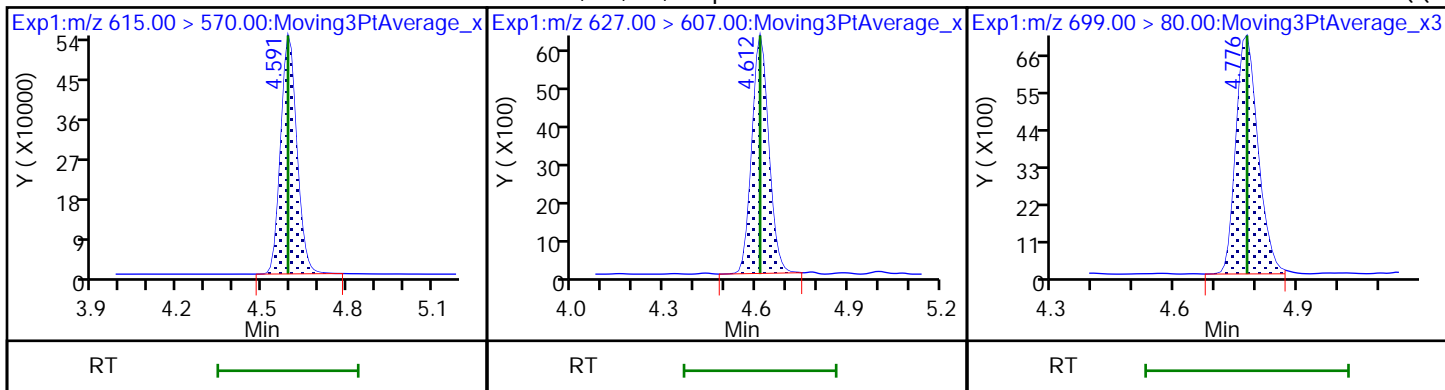
37 Perfluorododecanoic acid (M)



D 36 13C2 PFDoA

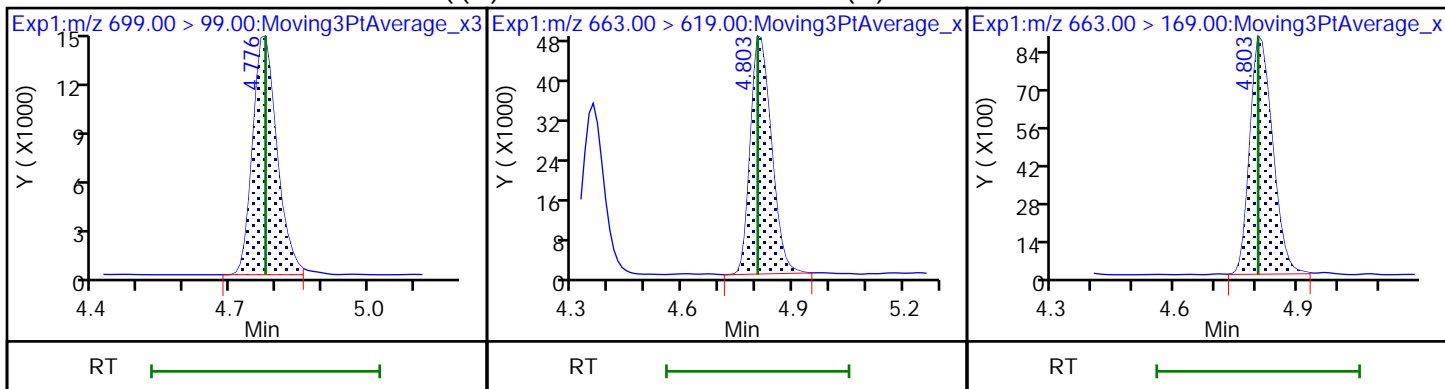
74 1H,1H,2H,2H-perfluorododecanesul

75 Perfluorododecanesulfonic acid ((M)



75 Perfluorododecanesulfonic acid ((M) 41 Perfluorotridecanoic acid (M)

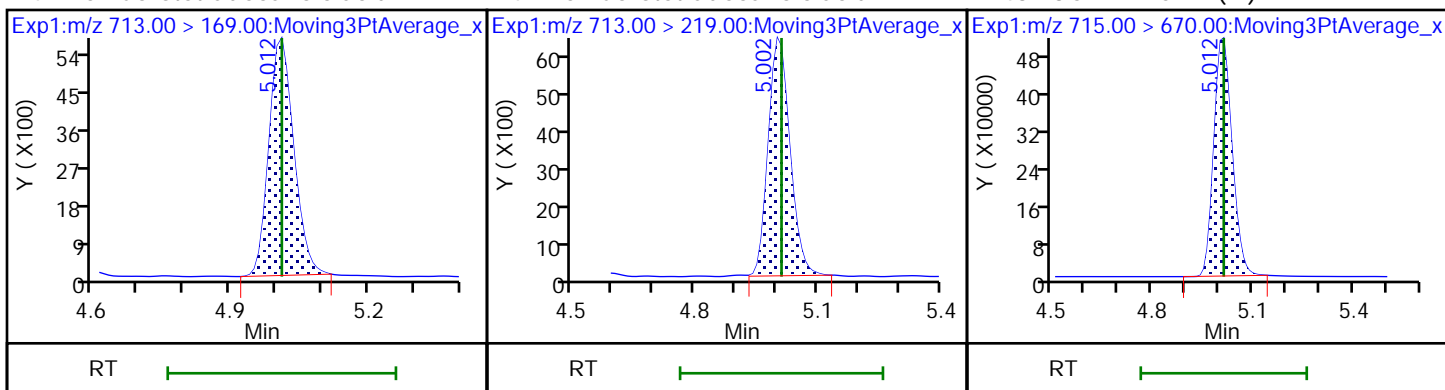
41 Perfluorotridecanoic acid



42 Perfluorotetradecanoic acid

42 Perfluorotetradecanoic acid

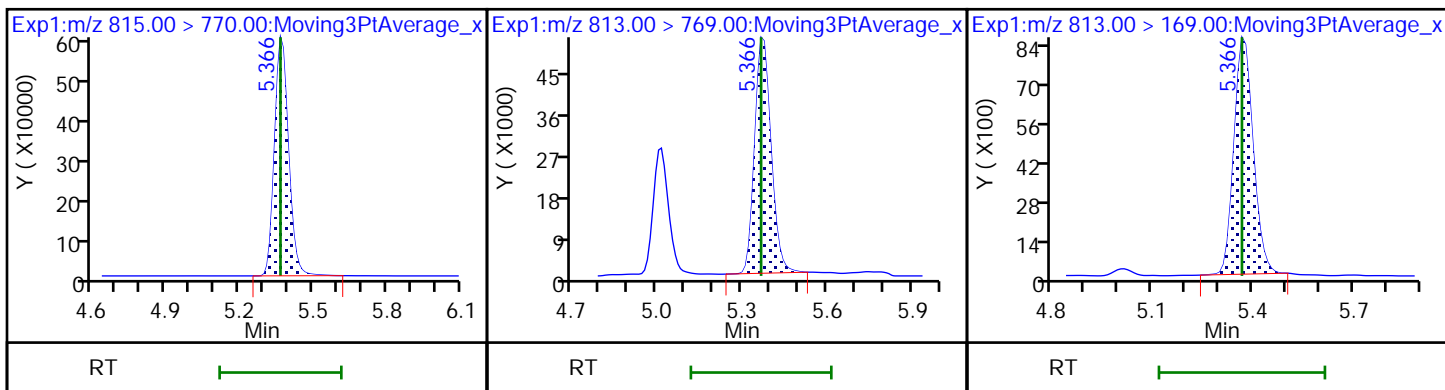
D 43 13C2 PFTeDA (M)



D 44 13C2 PFHxDA

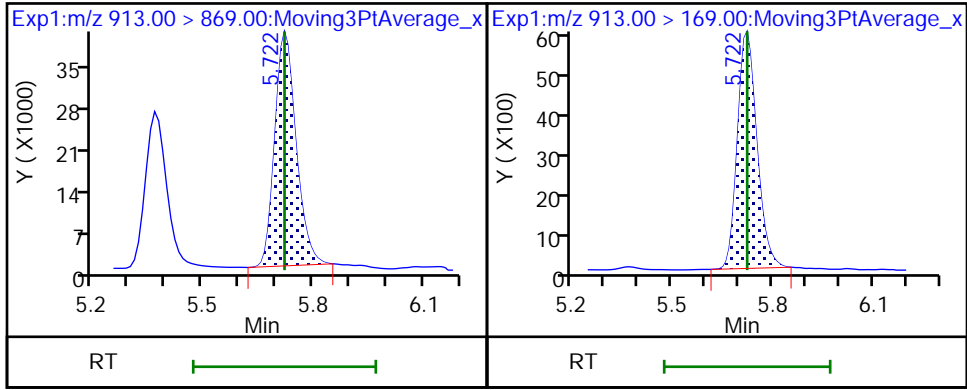
45 Perfluorohexadecanoic acid

45 Perfluorohexadecanoic acid



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid



Eurofins Burlington

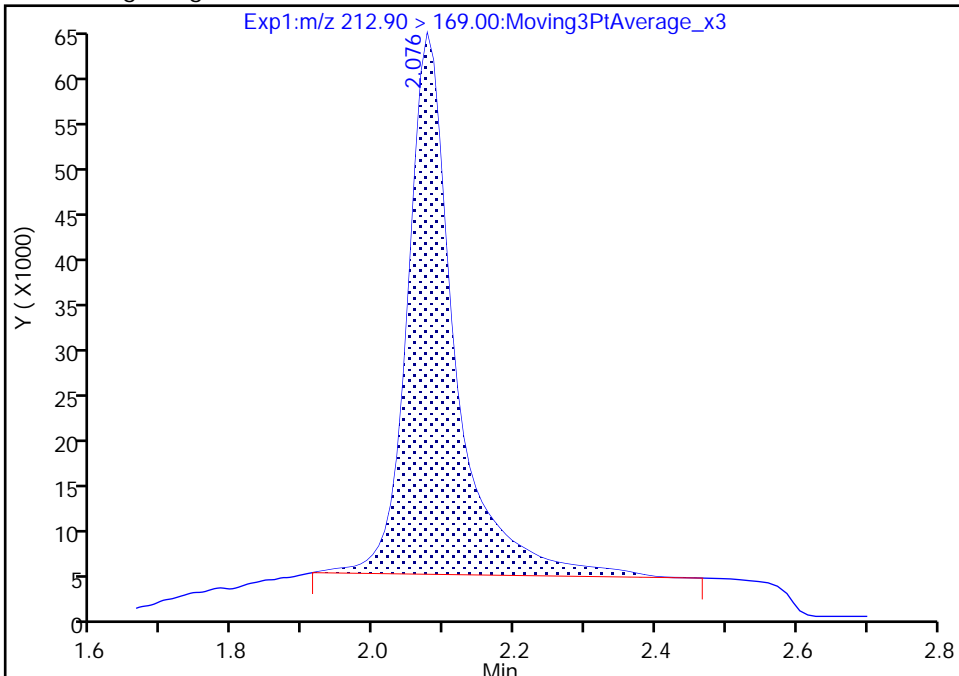
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

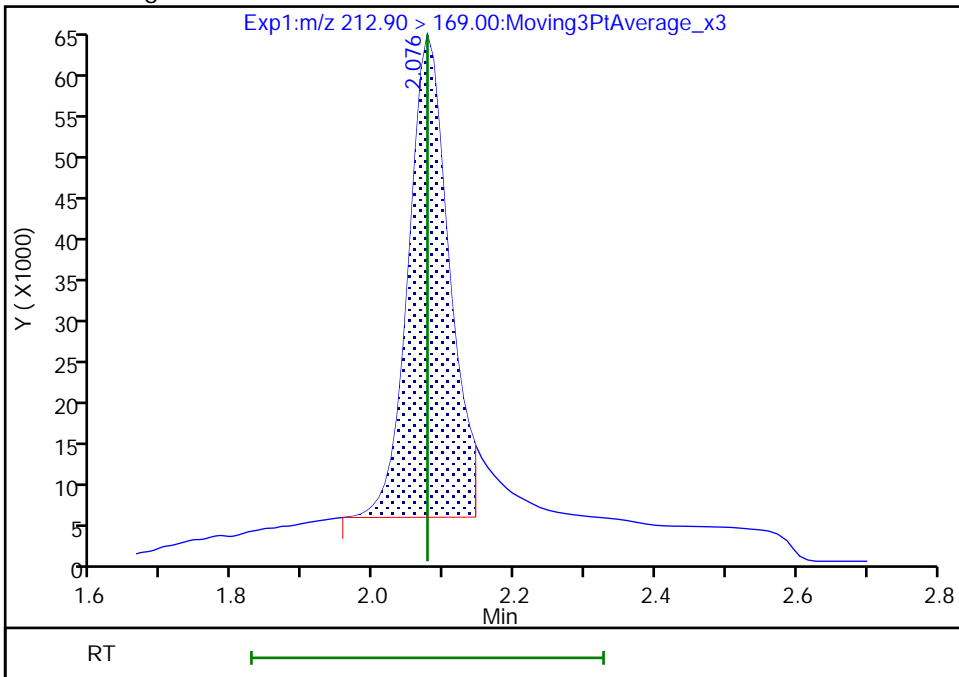
RT: 2.08
Area: 280853
Amount: 0.108572
Amount Units: ng/ml

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

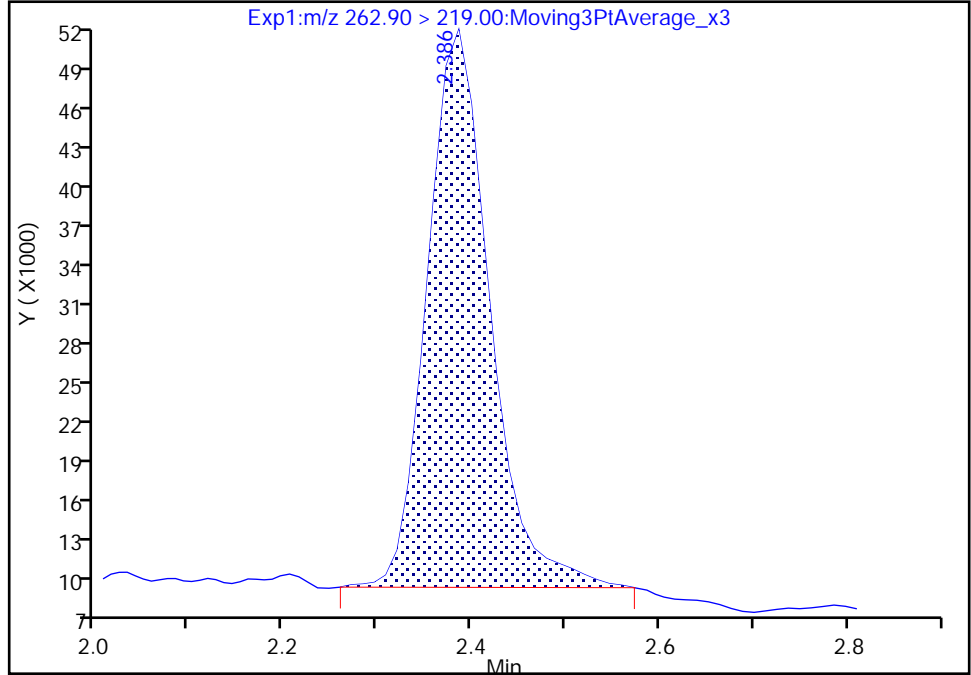
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

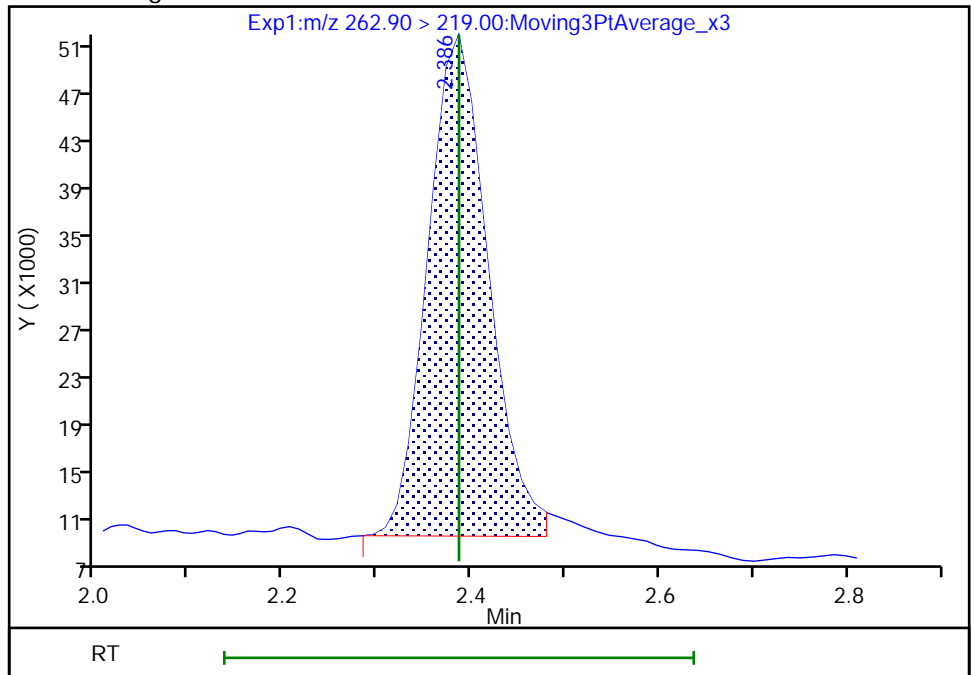
RT: 2.39
Area: 195135
Amount: 0.103655
Amount Units: ng/ml

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

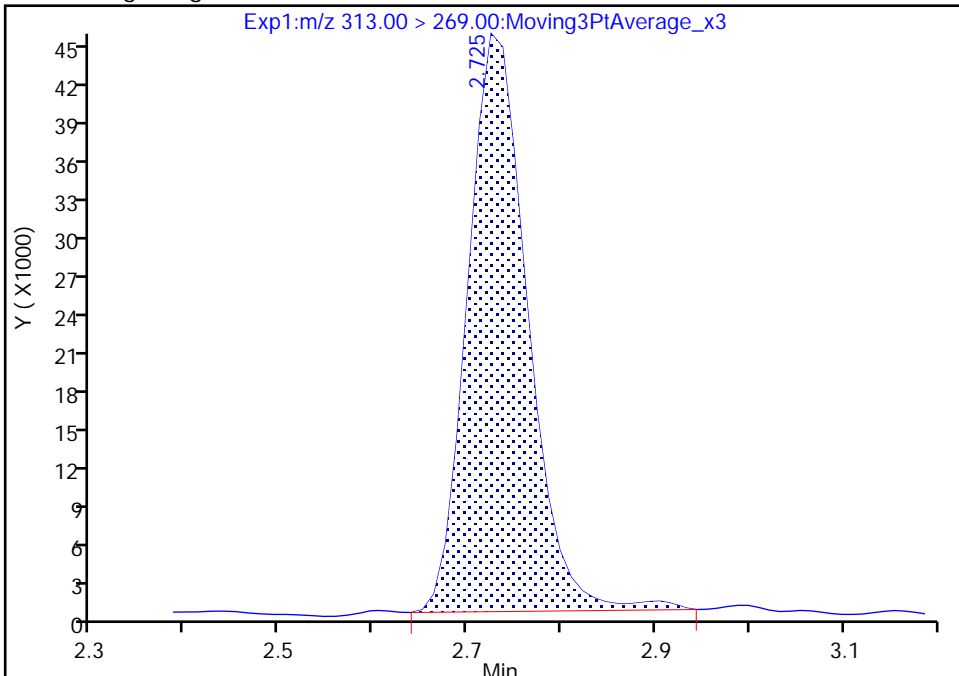
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

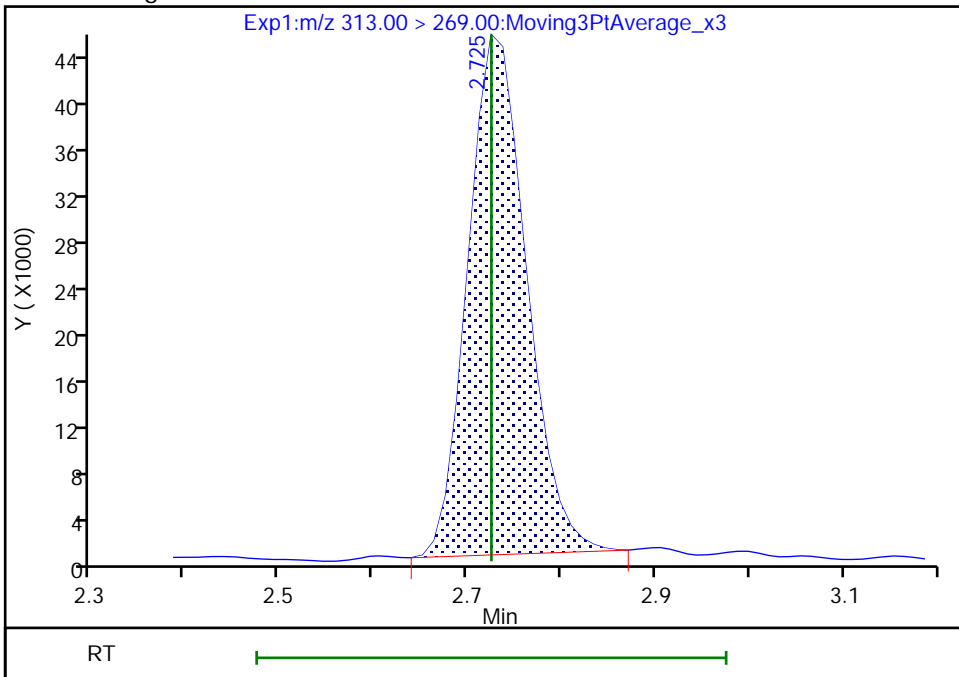
RT: 2.73
Area: 196336
Amount: 0.100921
Amount Units: ng/ml

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
Page 173 of 939

Eurofins Burlington

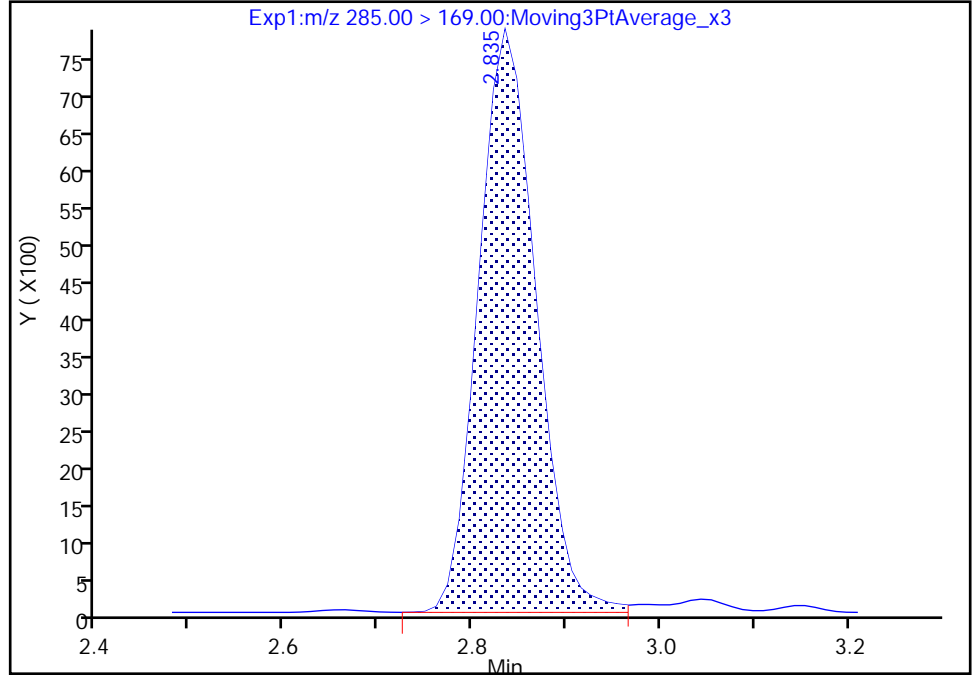
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

67 Perfluoro(2-propoxypropanoic) ac, CAS: 13252-13-6

Signal: 1

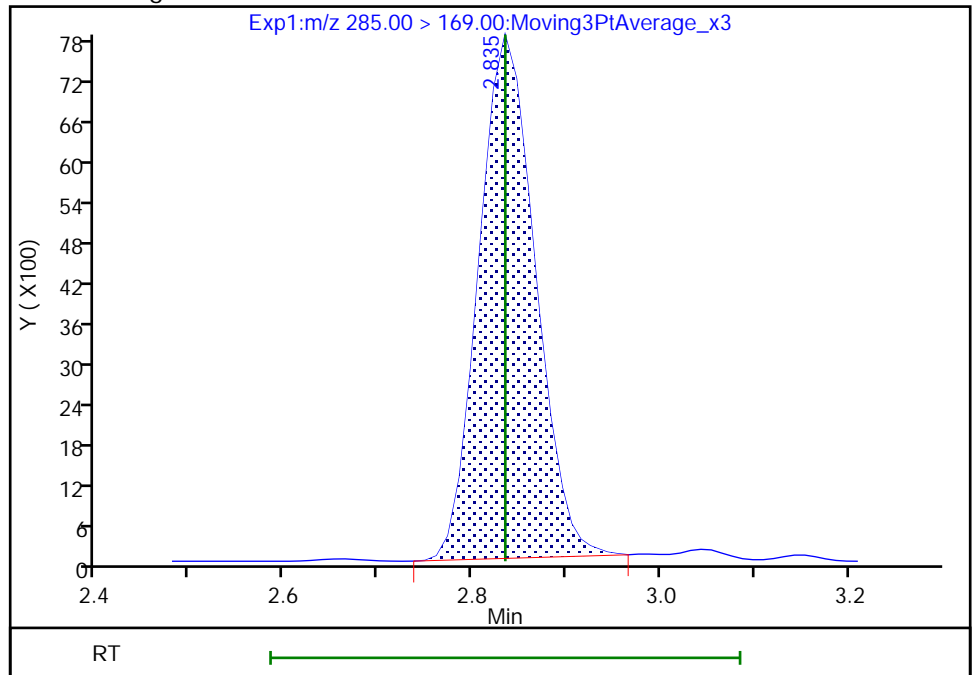
RT: 2.83
Area: 33101
Amount: 0.103414
Amount Units: ng/ml

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

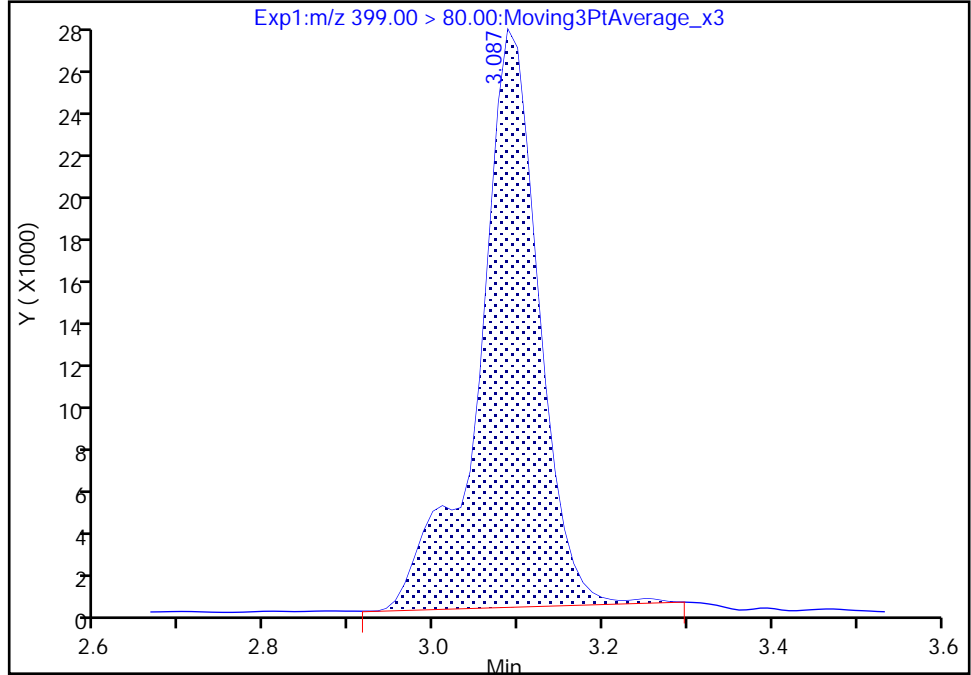
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

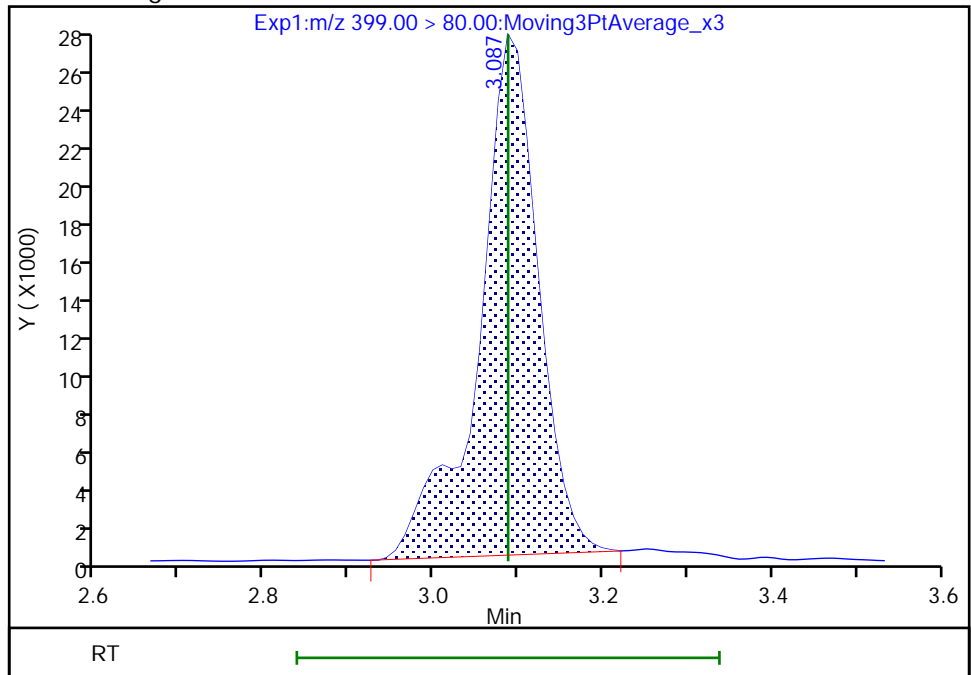
RT: 3.09
Area: 132173
Amount: 0.088001
Amount Units: ng/ml

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

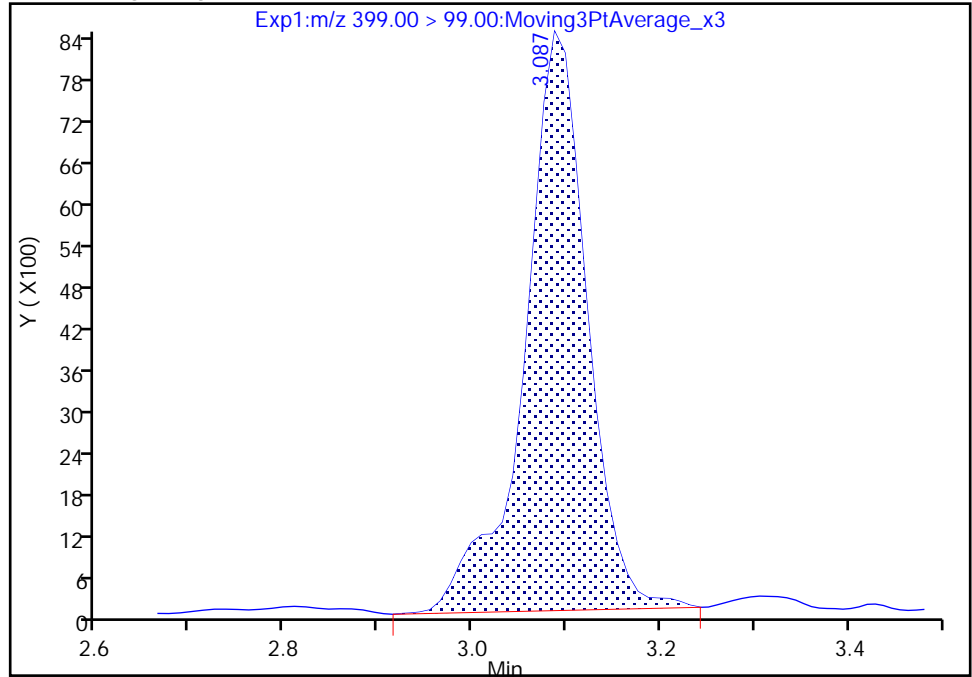
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

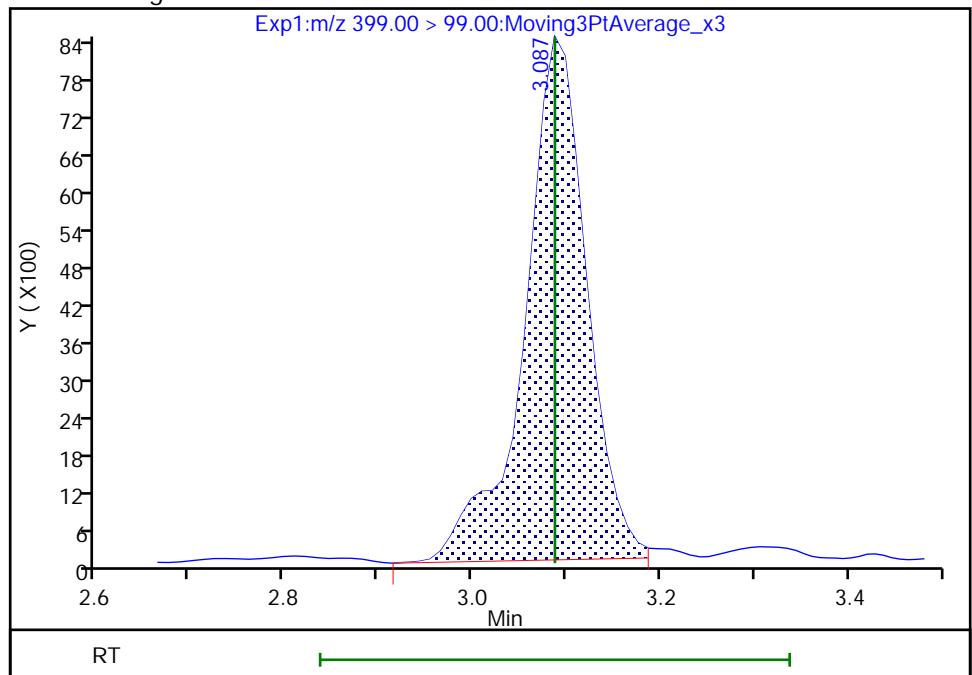
RT: 3.09
Area: 38807
Amount: 0.088001
Amount Units: ng/ml

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

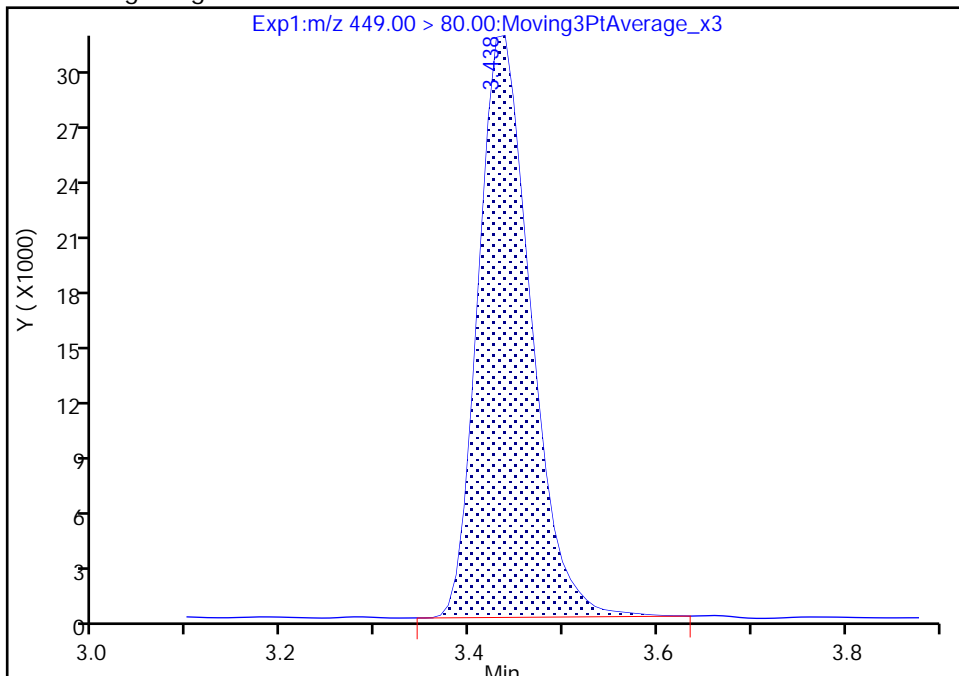
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

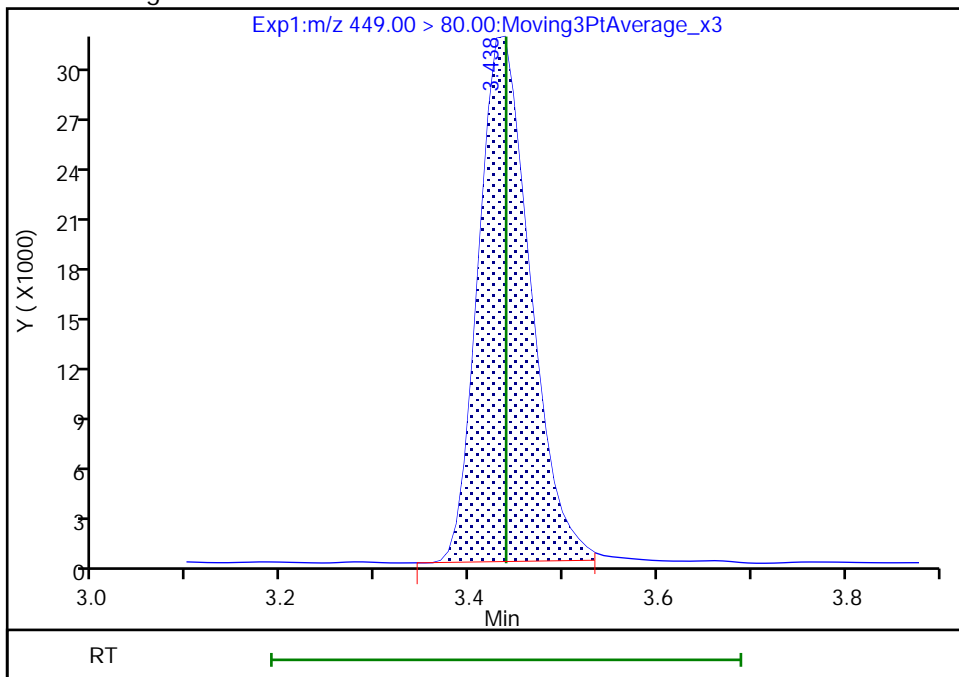
RT: 3.44
Area: 122929
Amount: 0.097560
Amount Units: ng/ml

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

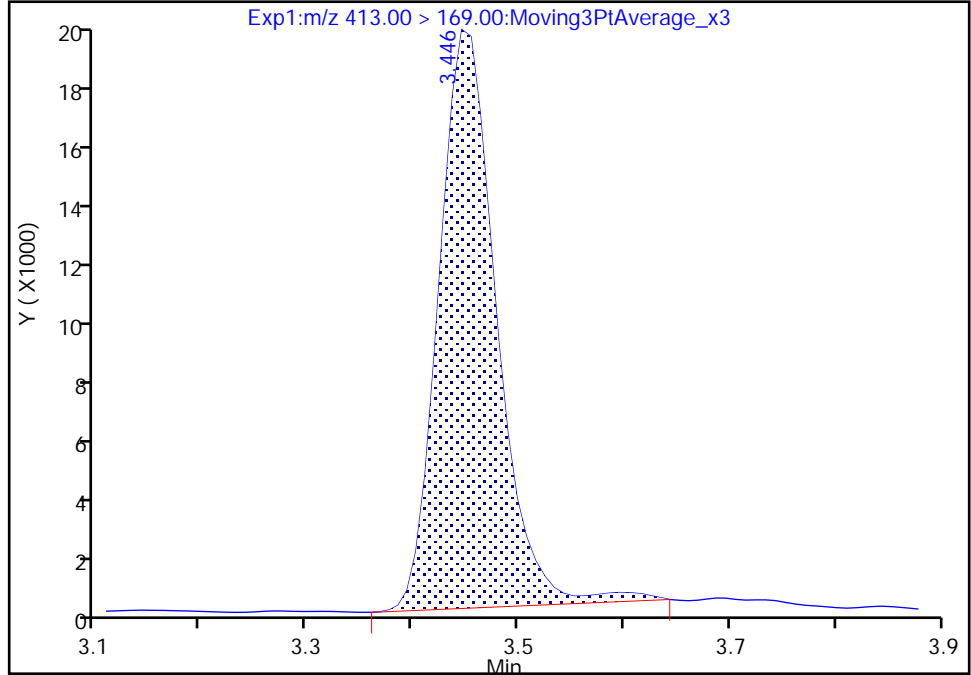
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

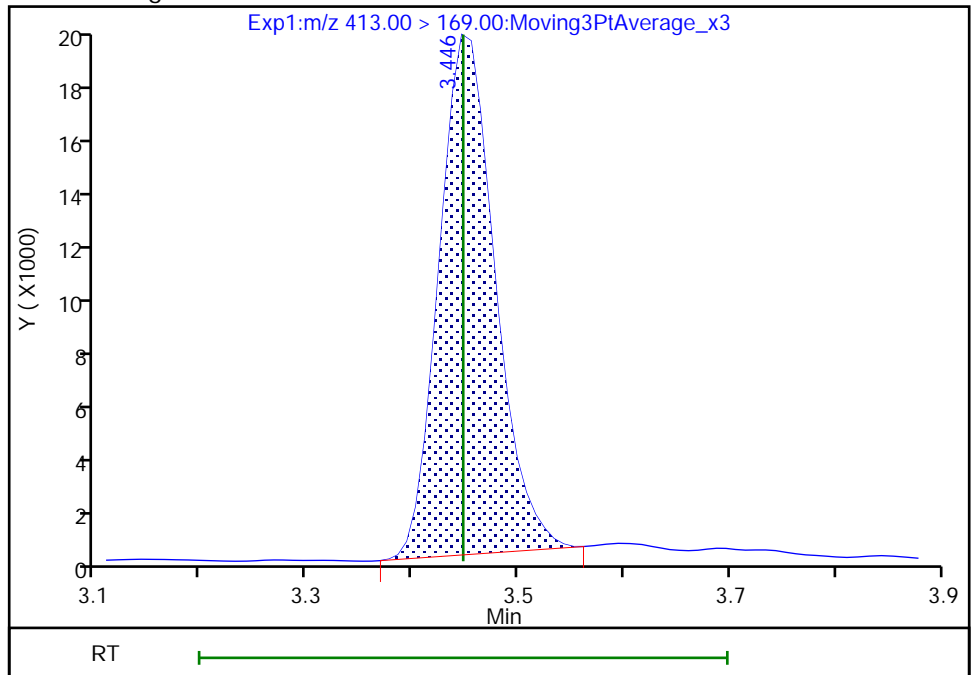
RT: 3.45
Area: 74541
Amount: 0.096919
Amount Units: ng/ml

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

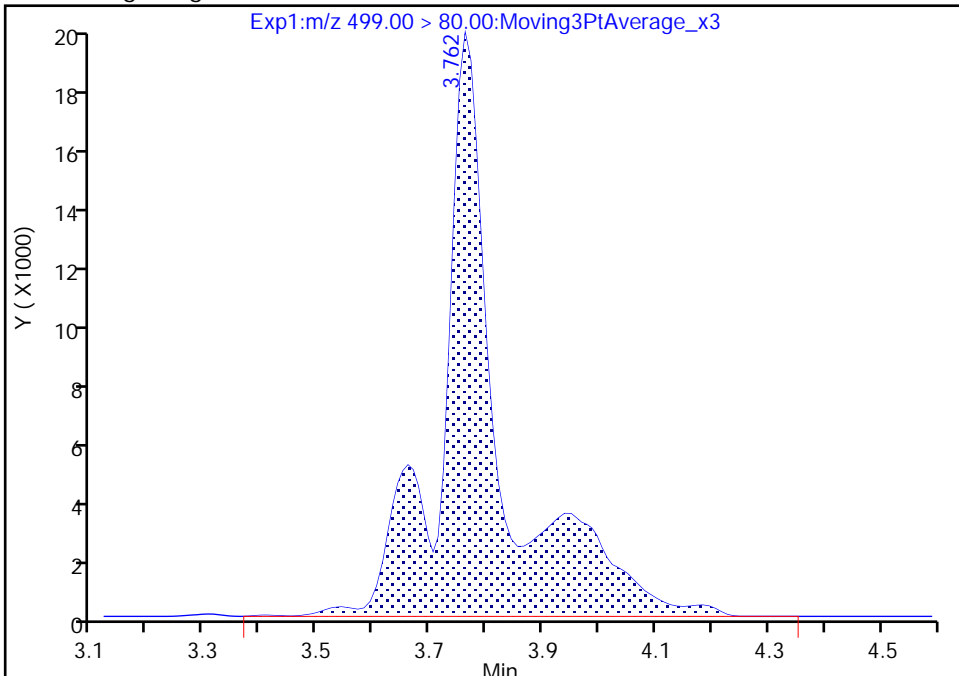
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

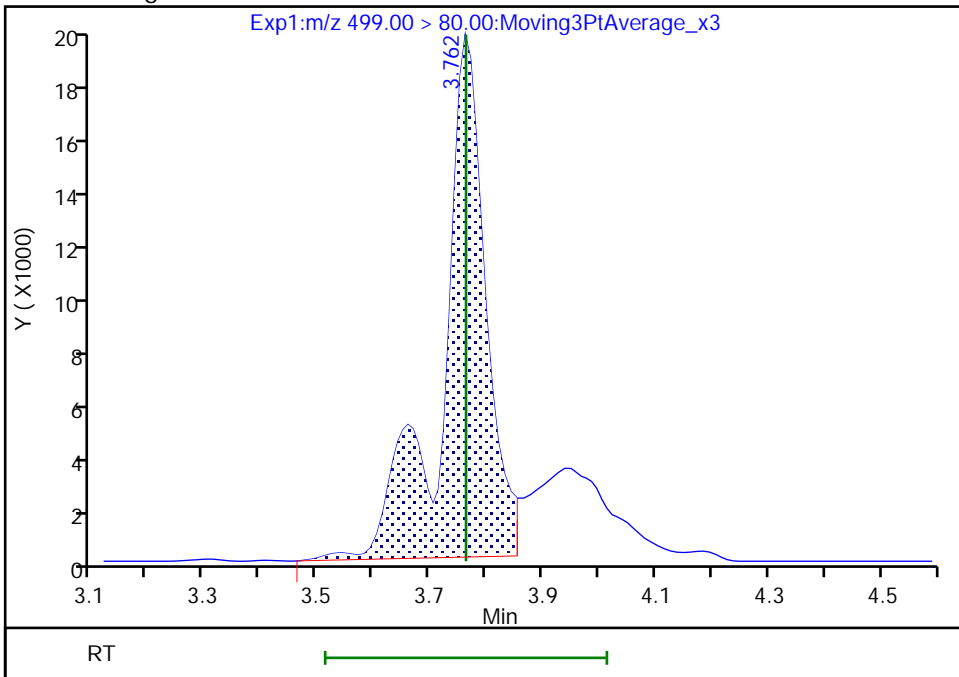
RT: 3.76
Area: 145194
Amount: 0.106140
Amount Units: ng/ml

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

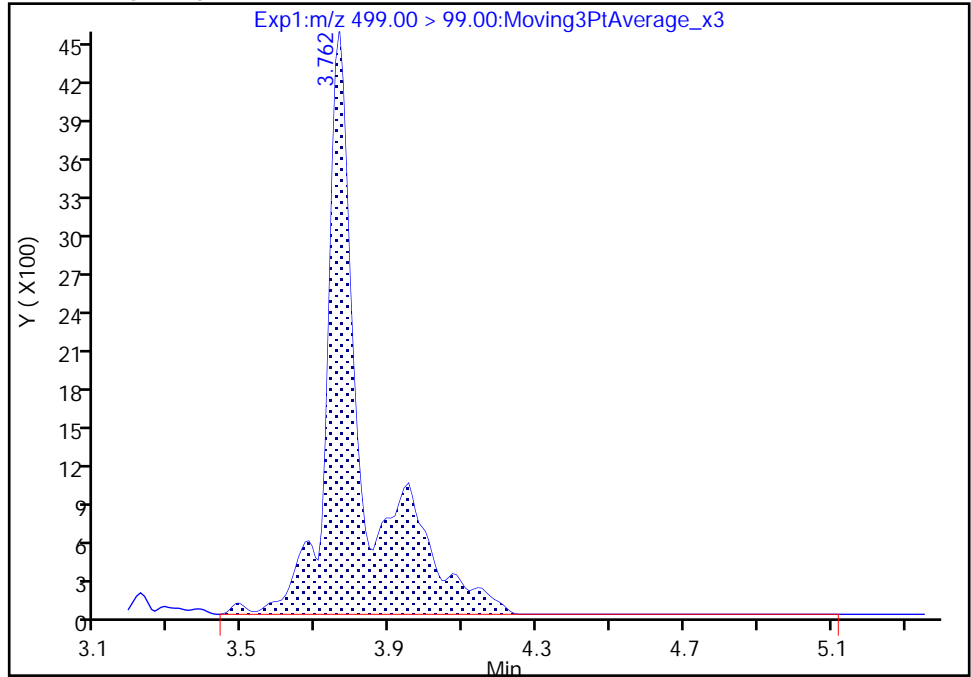
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

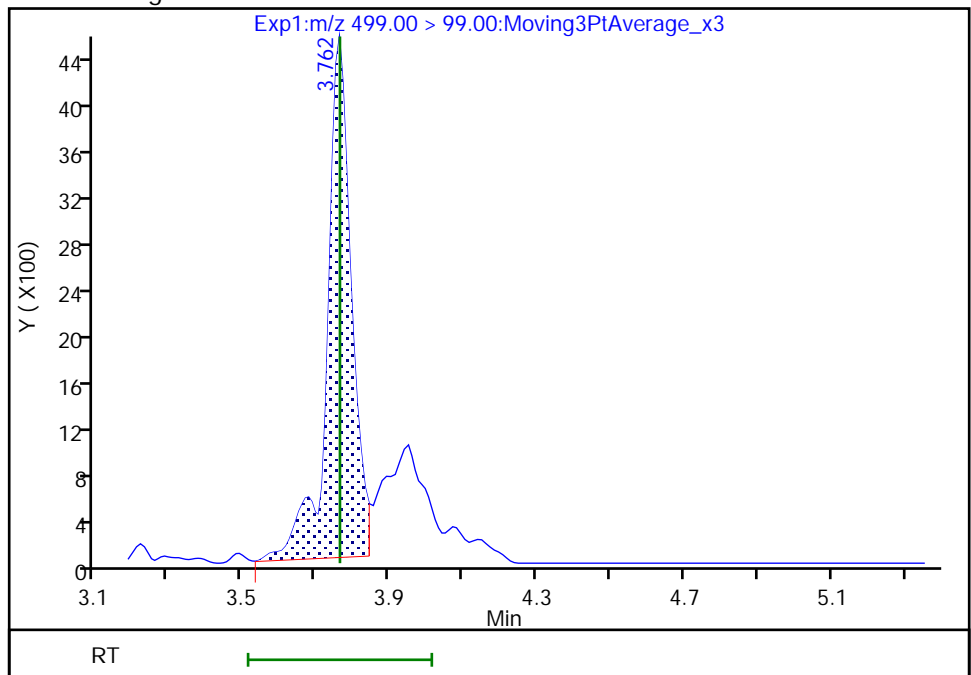
RT: 3.76
Area: 31586
Amount: 0.106140
Amount Units: ng/ml

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

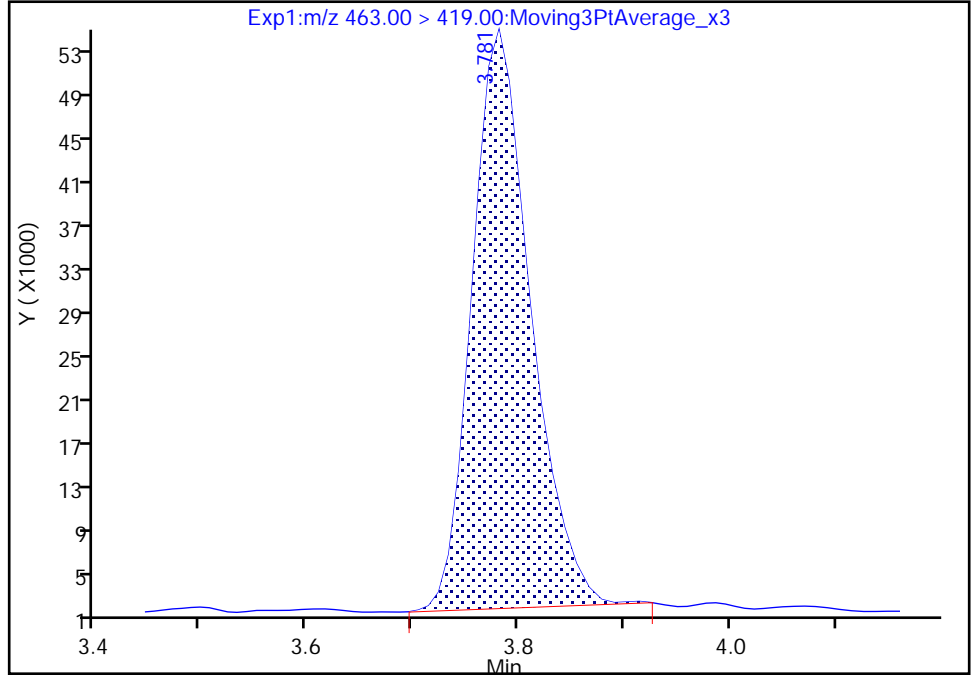
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

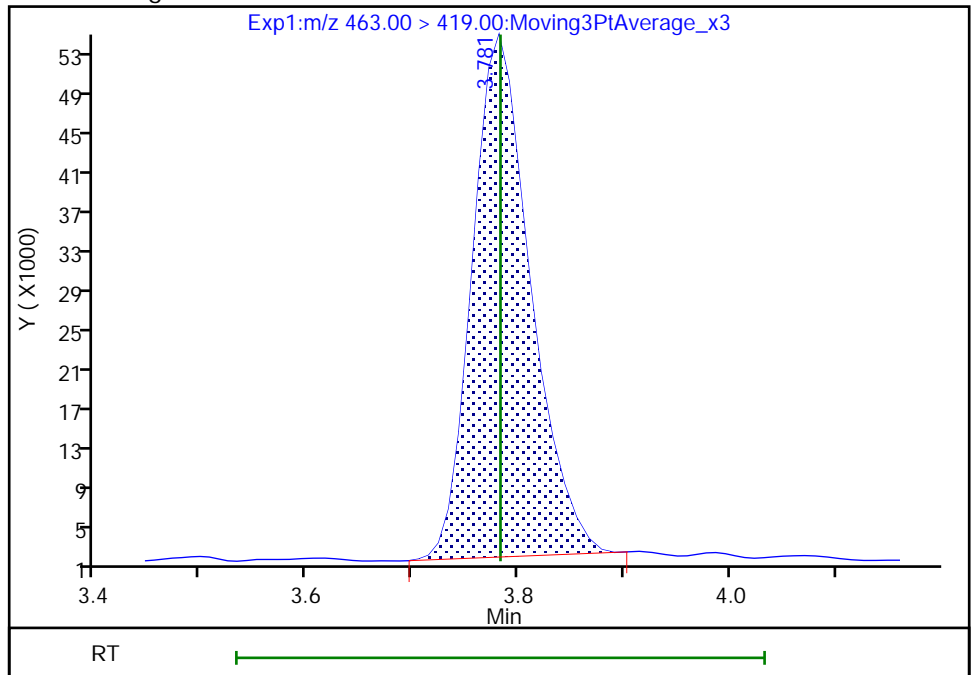
RT: 3.78
Area: 202724
Amount: 0.099917
Amount Units: ng/ml

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

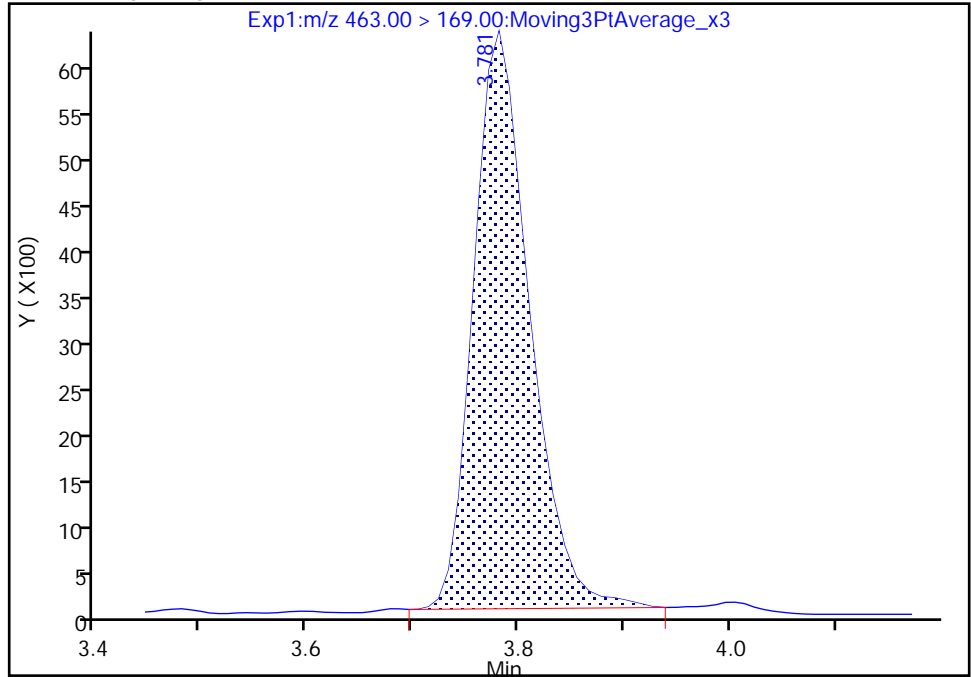
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

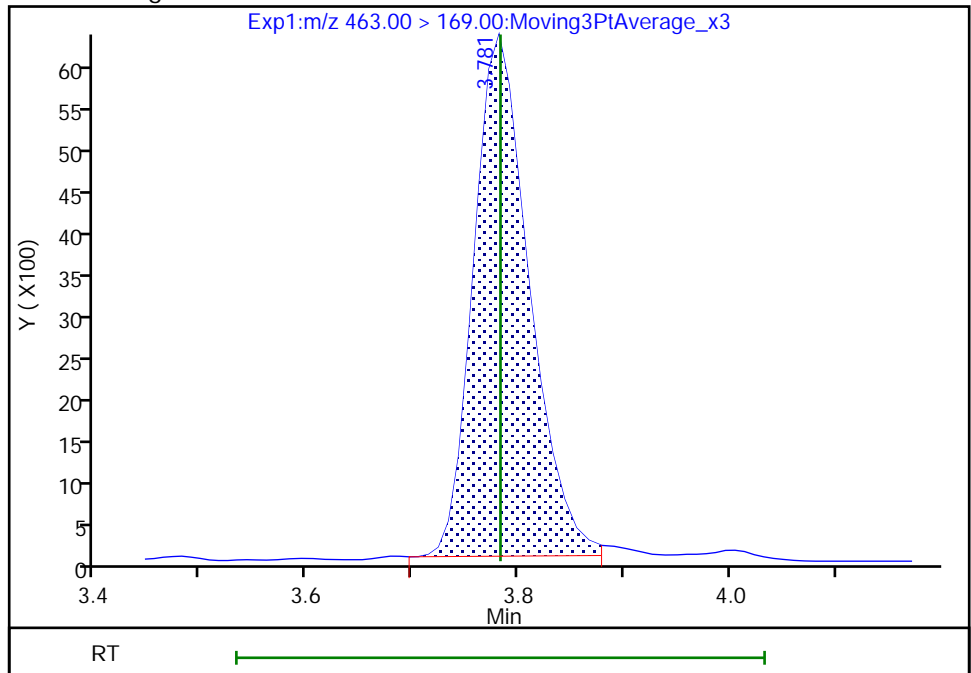
RT: 3.78
Area: 23367
Amount: 0.099917
Amount Units: ng/ml

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

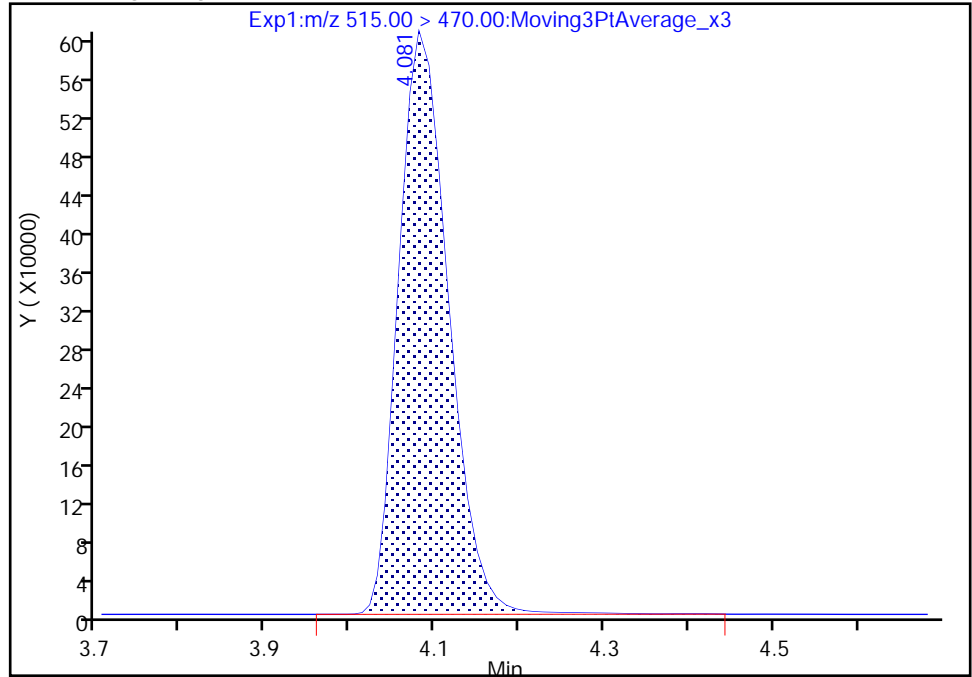
Eurofins Burlington

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

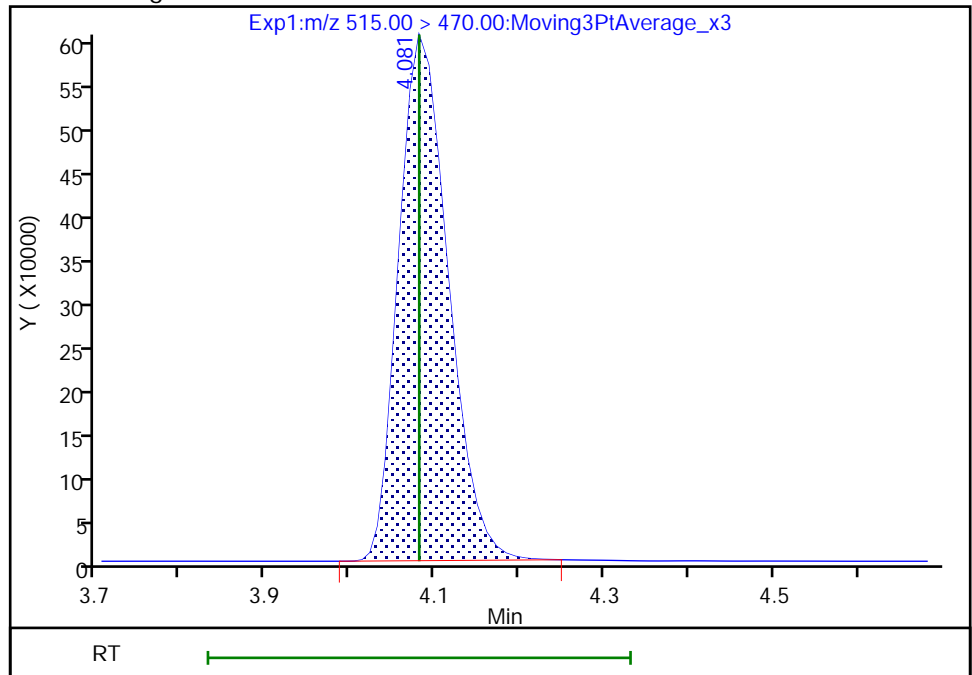
RT: 4.08
Area: 2458427
Amount: 1.268074
Amount Units: ng/ml

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

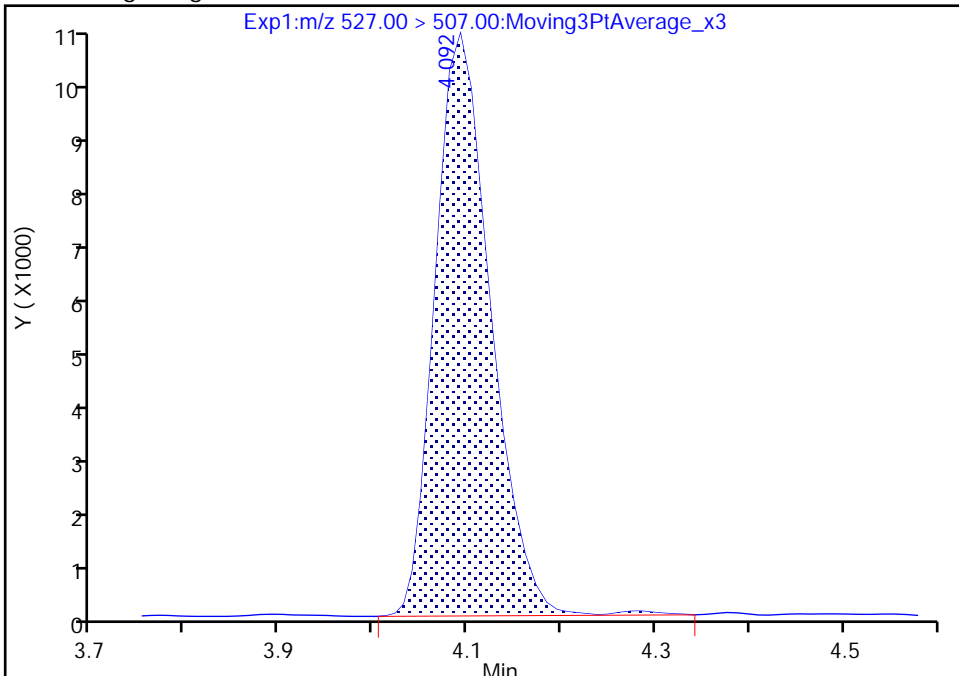
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

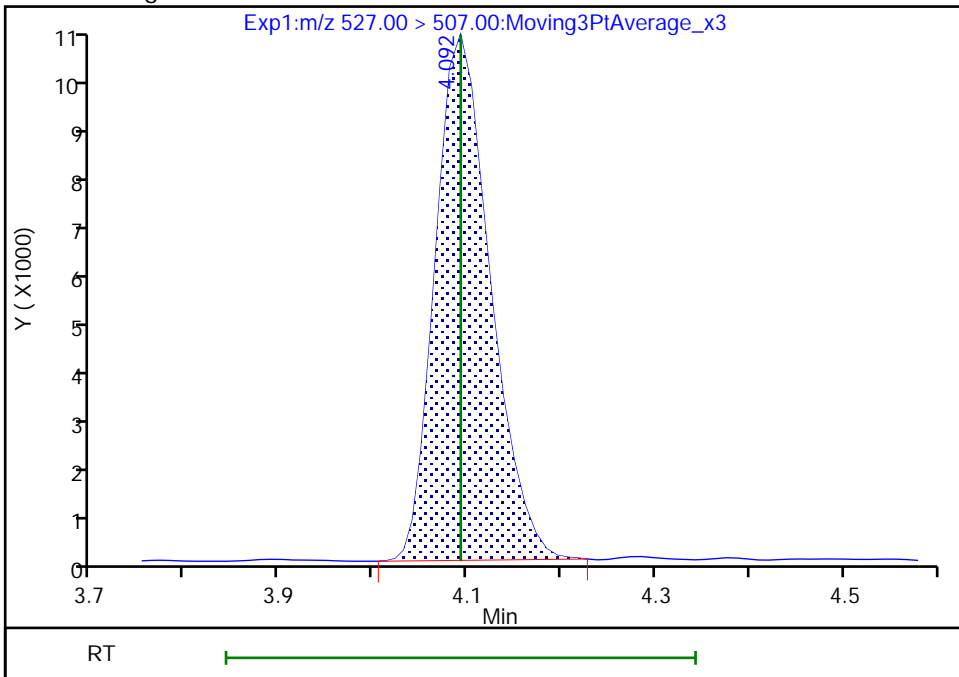
RT: 4.09
Area: 41439
Amount: 0.097438
Amount Units: ng/ml

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

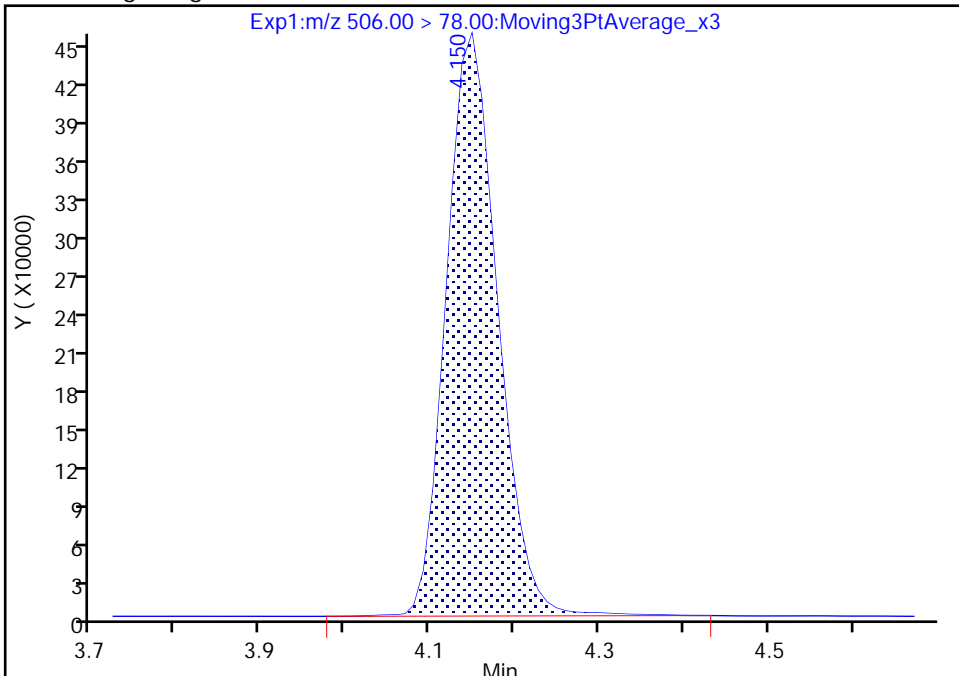
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

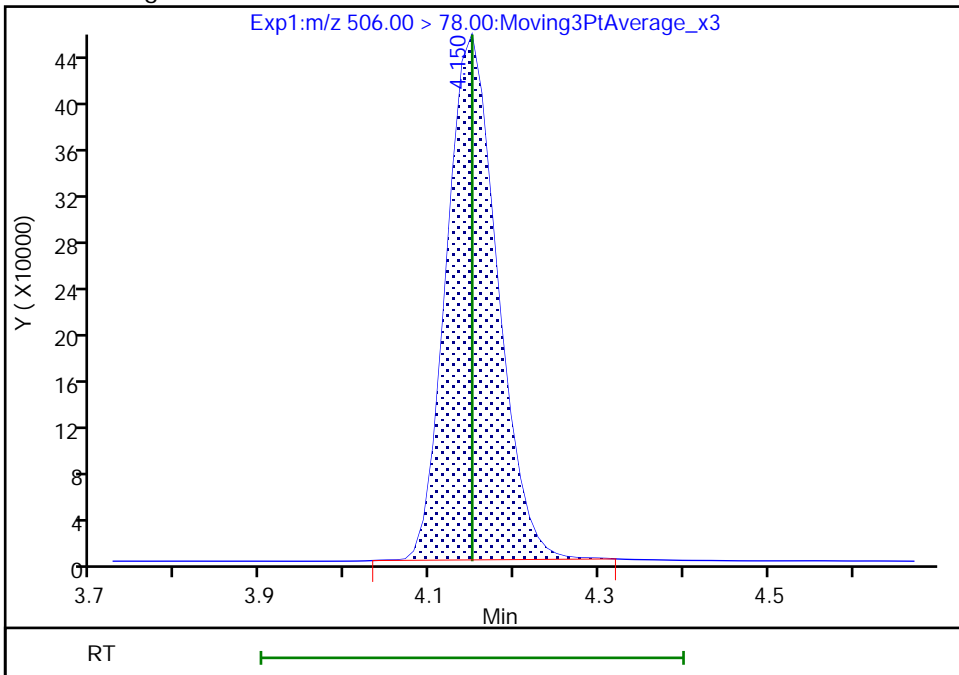
RT: 4.15
Area: 1921287
Amount: 1.214680
Amount Units: ng/ml

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

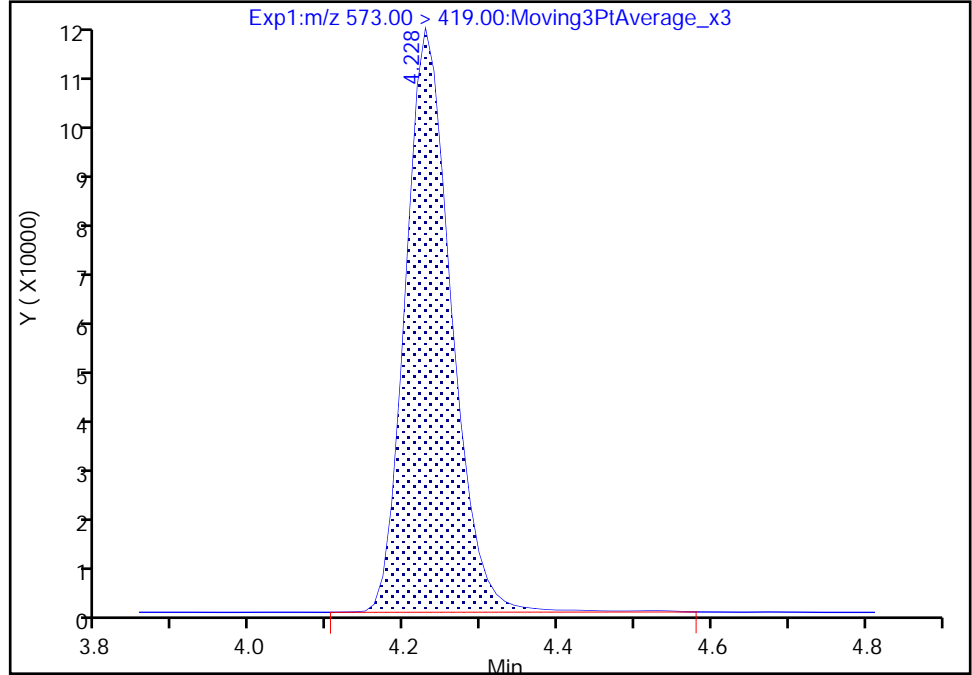
Eurofins Burlington

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

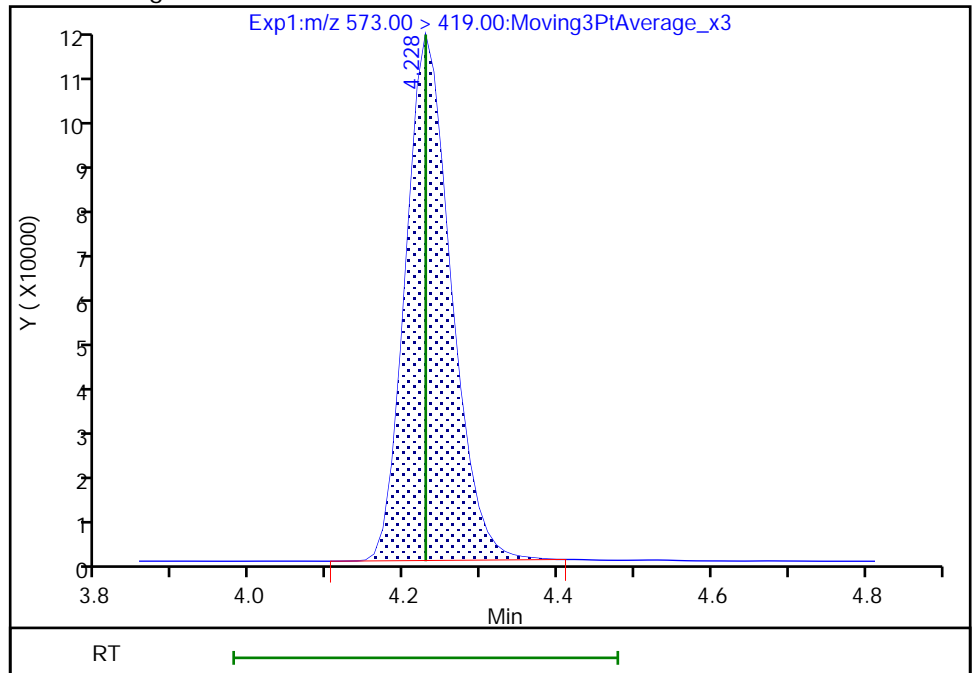
RT: 4.23
Area: 483256
Amount: 1.235603
Amount Units: ng/ml

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

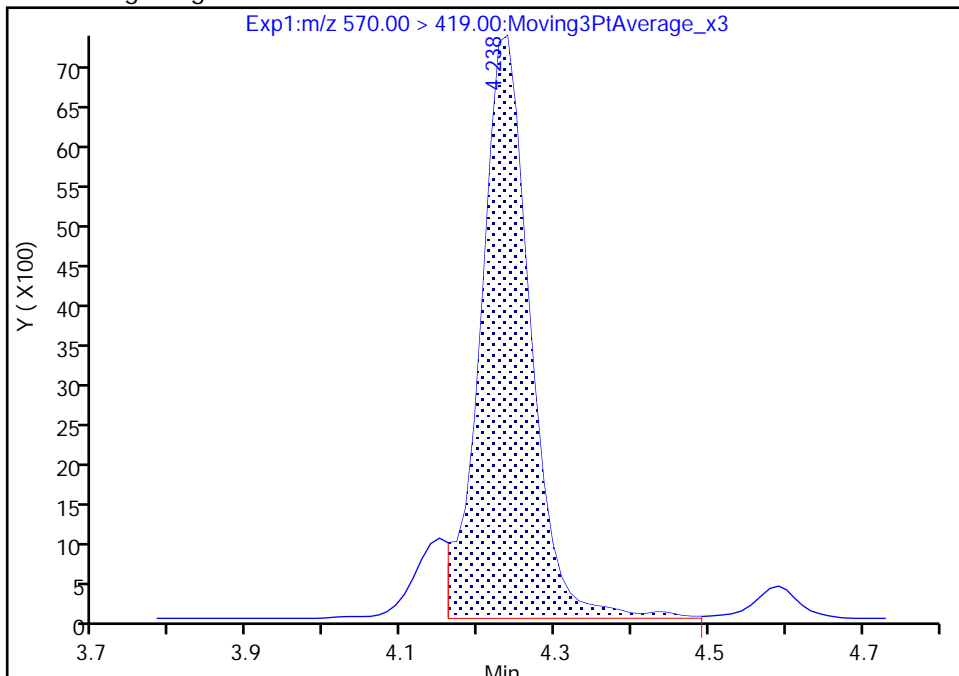
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

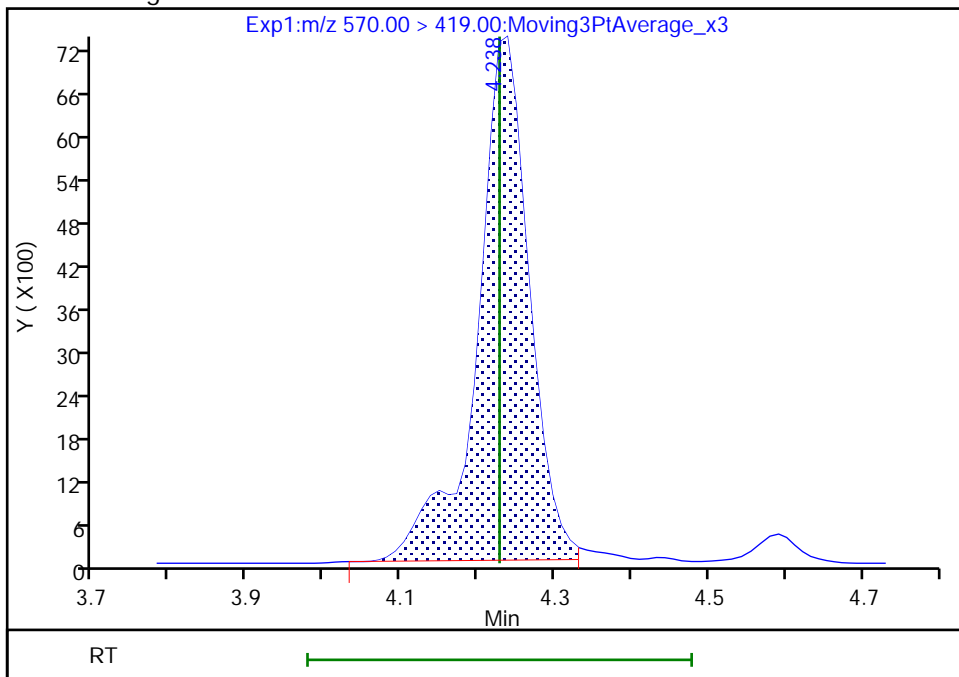
RT: 4.24
Area: 32710
Amount: 0.089959
Amount Units: ng/ml

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

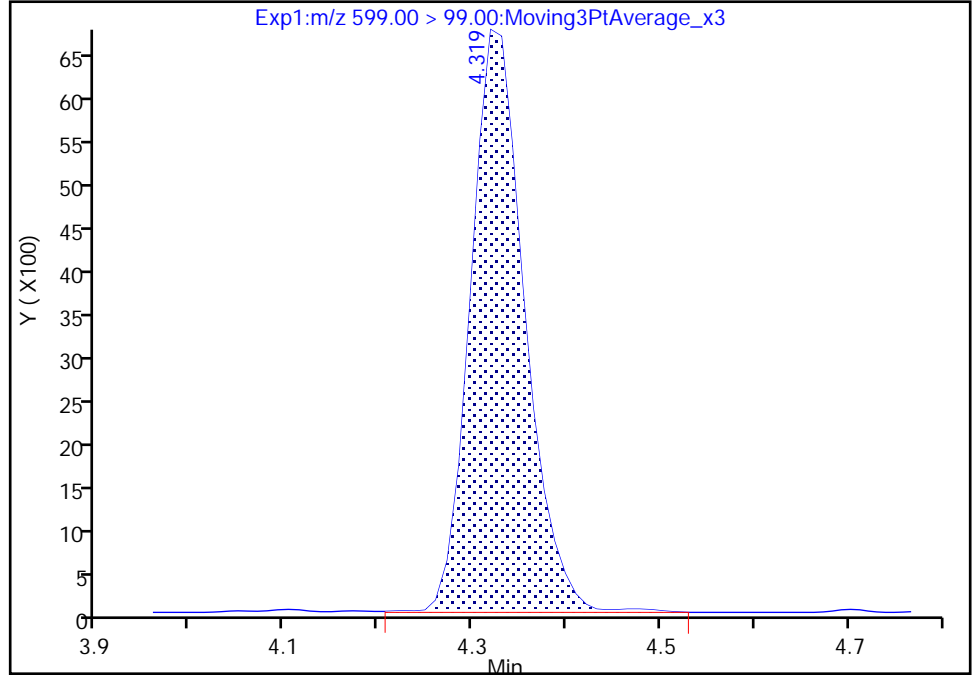
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

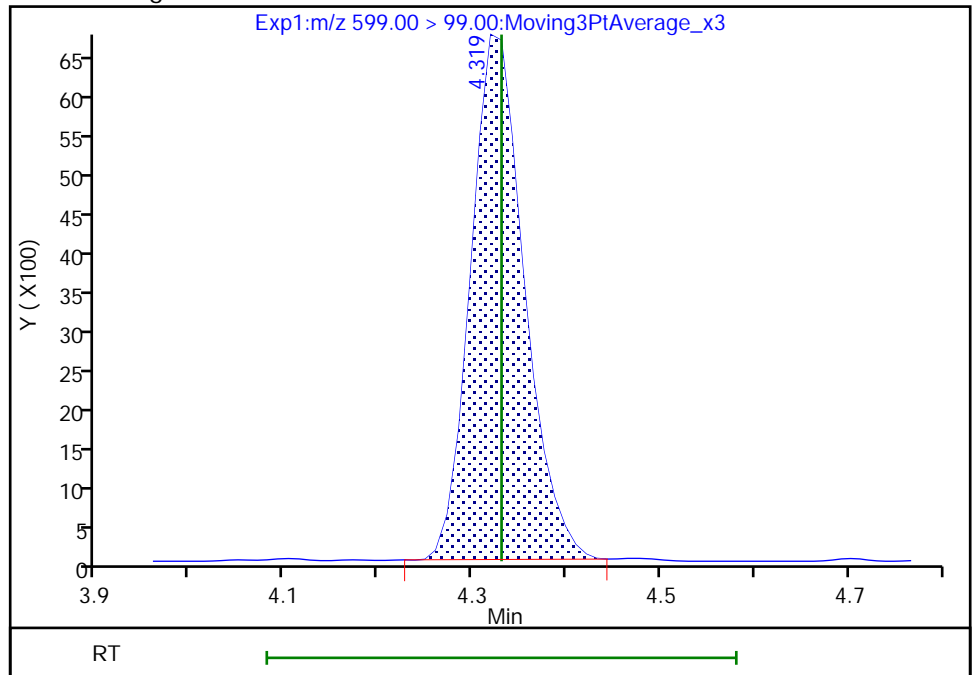
RT: 4.32
Area: 27216
Amount: 0.096282
Amount Units: ng/ml

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

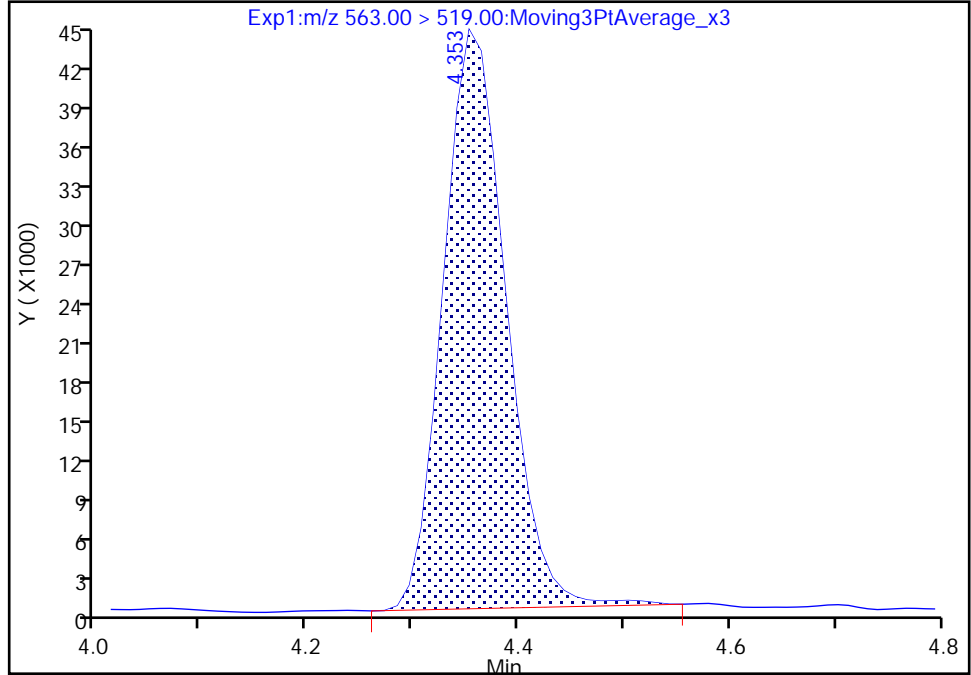
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

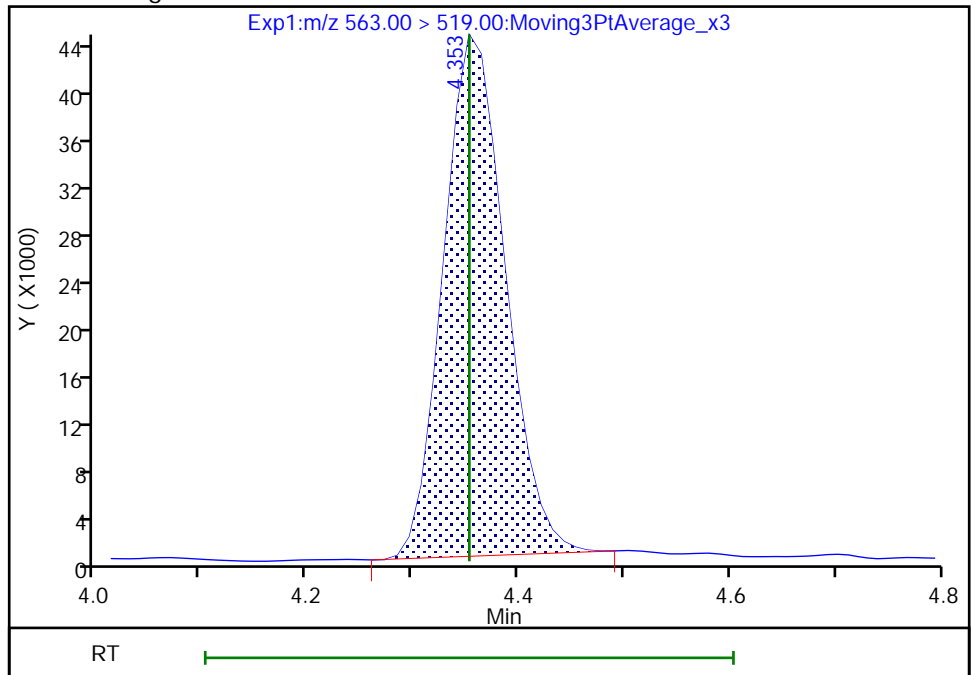
RT: 4.35
Area: 179706
Amount: 0.100640
Amount Units: ng/ml

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

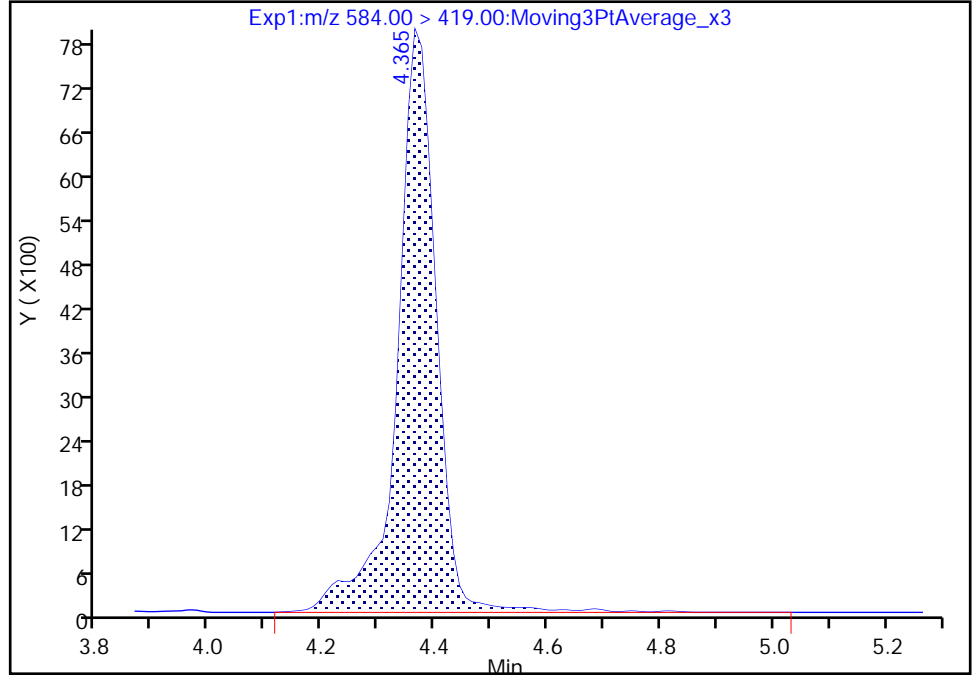
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

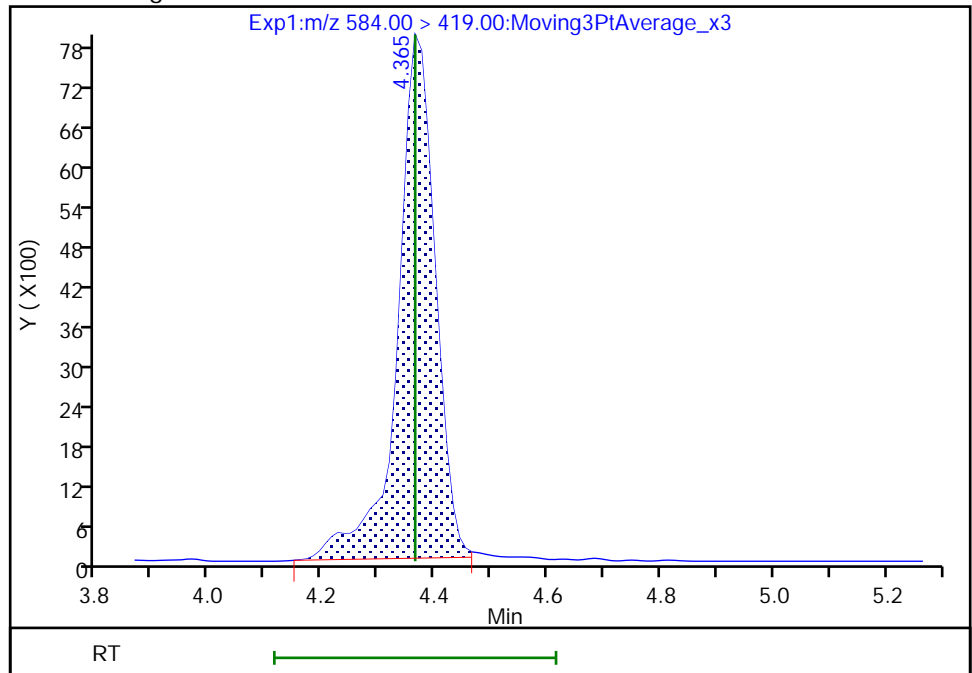
RT: 4.36
Area: 38260
Amount: 0.101365
Amount Units: ng/ml

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

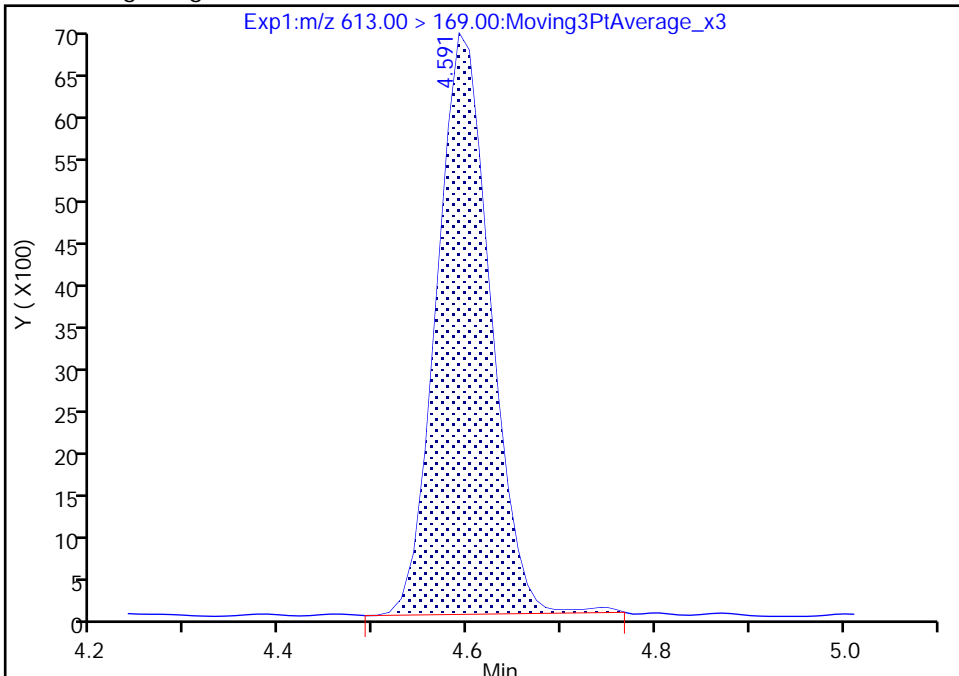
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

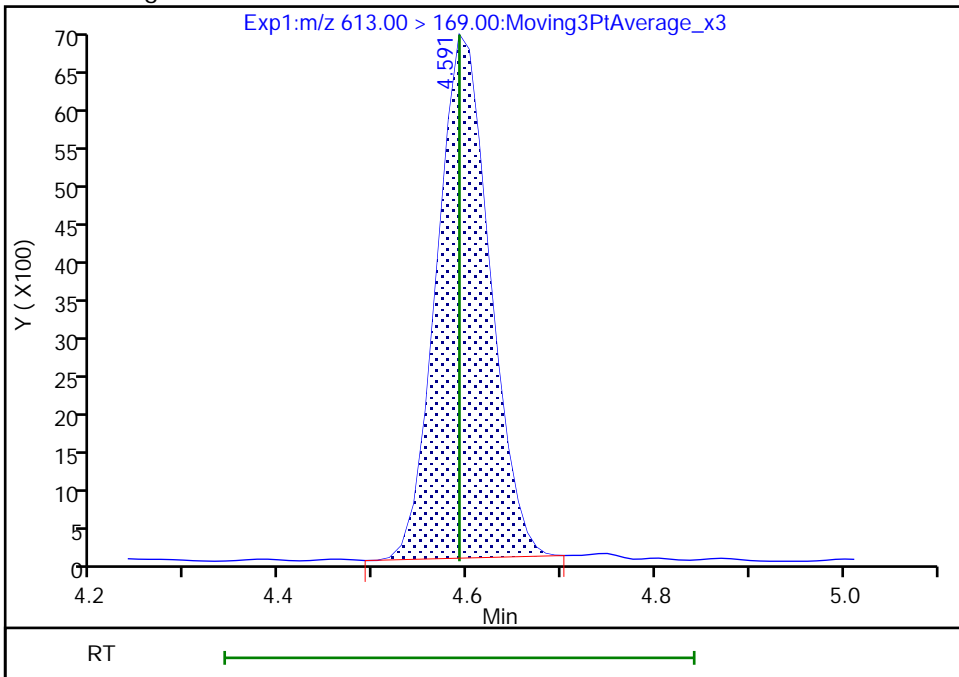
RT: 4.59
Area: 27250
Amount: 0.099538
Amount Units: ng/ml

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
Page 191 of 939

Eurofins Burlington

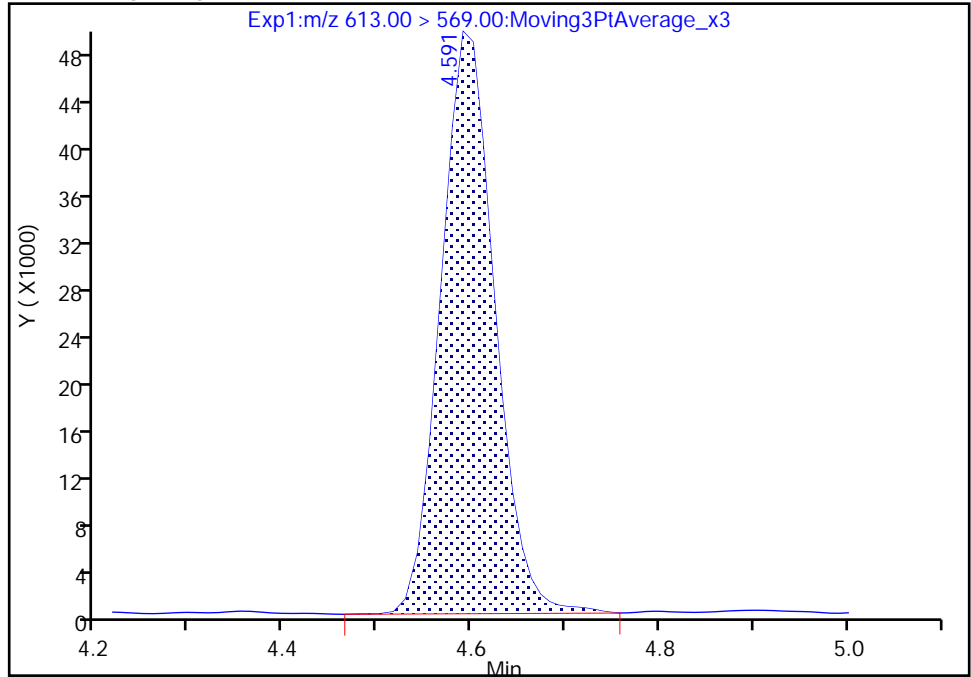
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

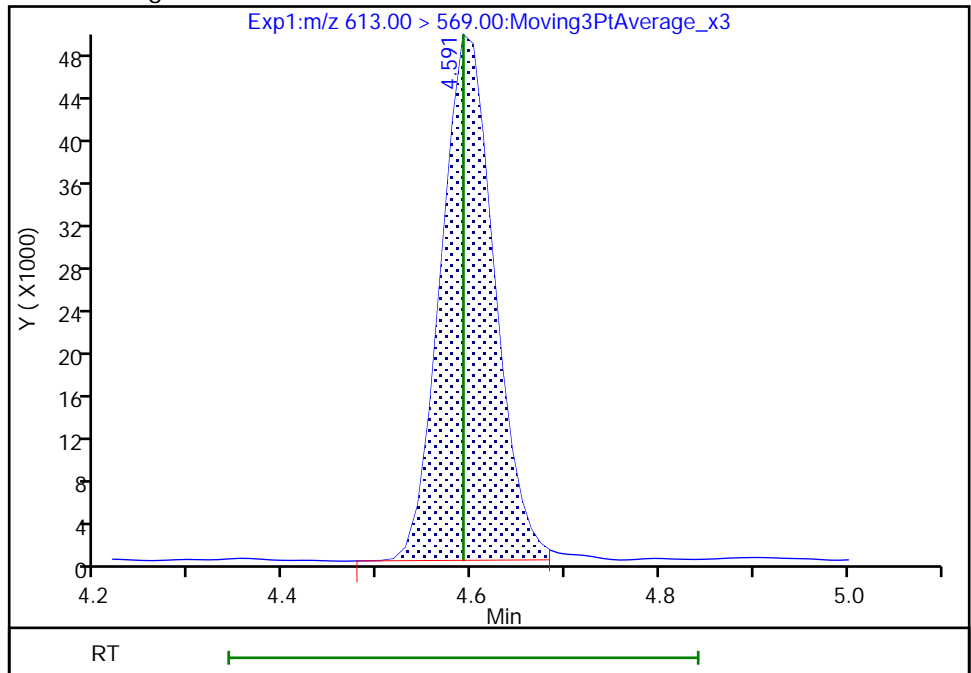
RT: 4.59
Area: 197049
Amount: 0.099538
Amount Units: ng/ml

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

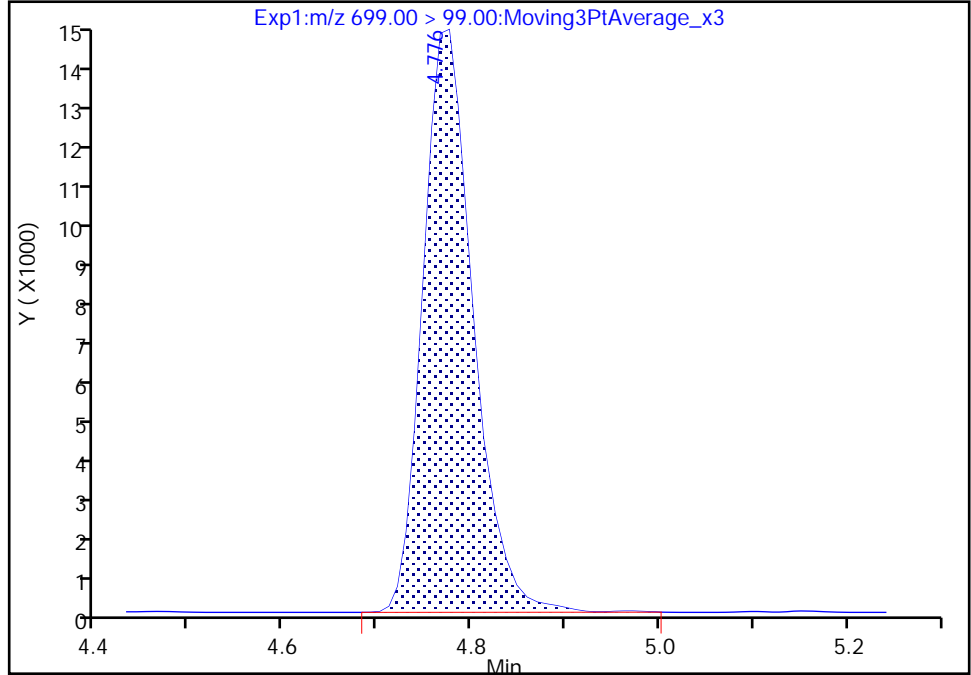
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

75 Perfluorododecanesulfonic acid (, CAS: 79780-39-5

Signal: 2

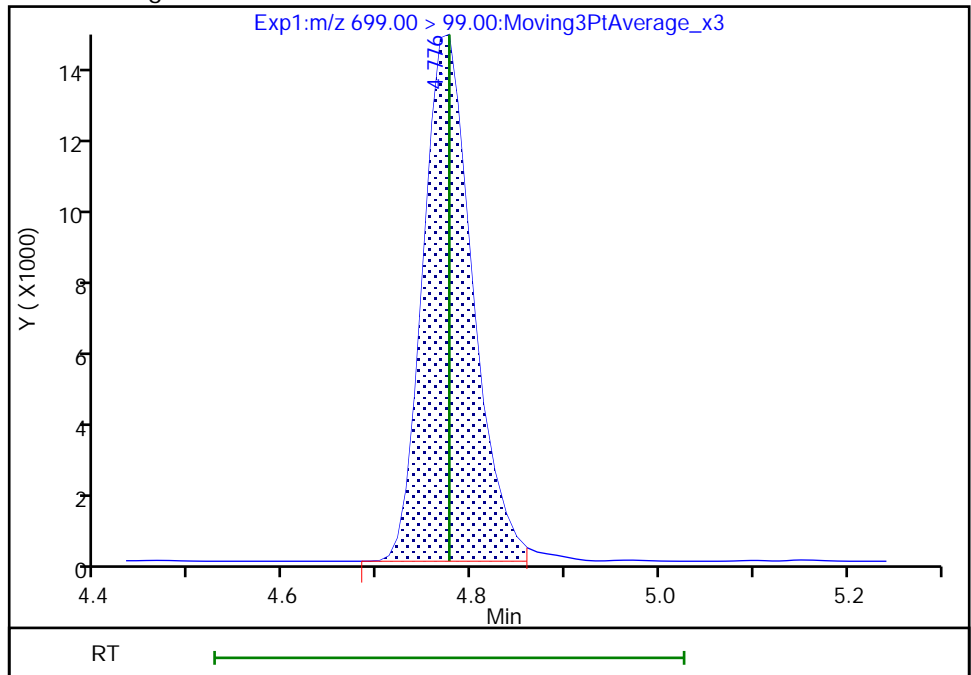
RT: 4.78
Area: 52070
Amount: 0.097278
Amount Units: ng/ml

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

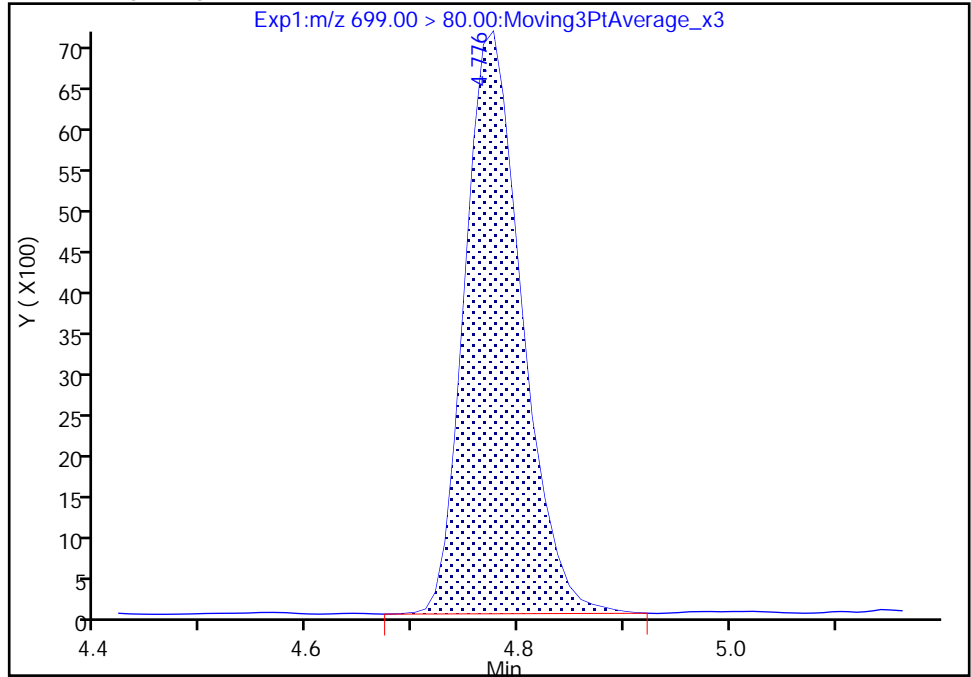
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

75 Perfluorododecanesulfonic acid (, CAS: 79780-39-5

Signal: 1

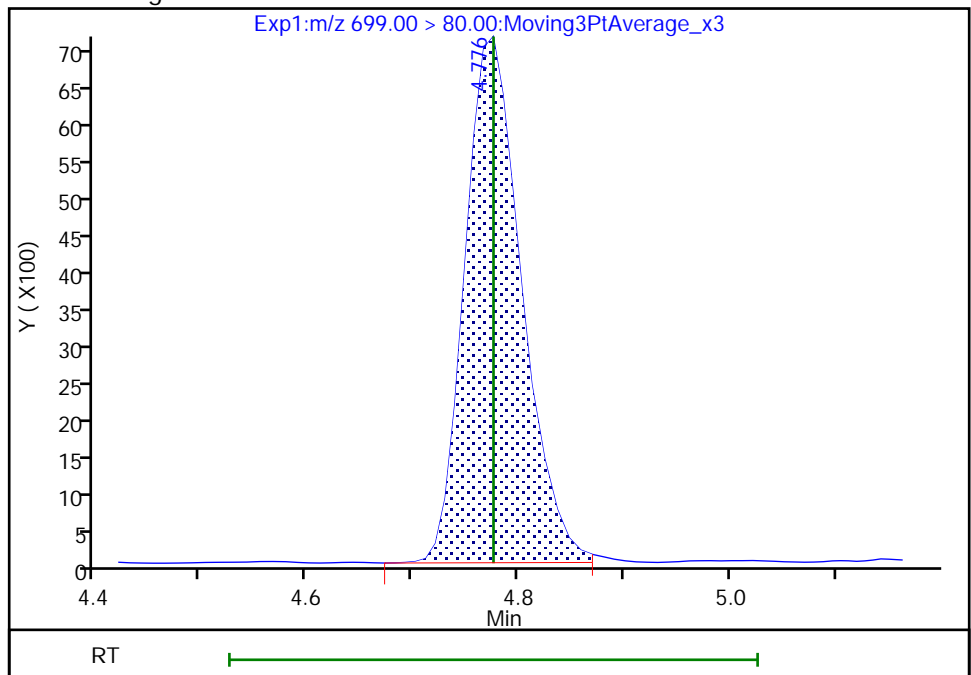
RT: 4.78
Area: 26672
Amount: 0.097278
Amount Units: ng/ml

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

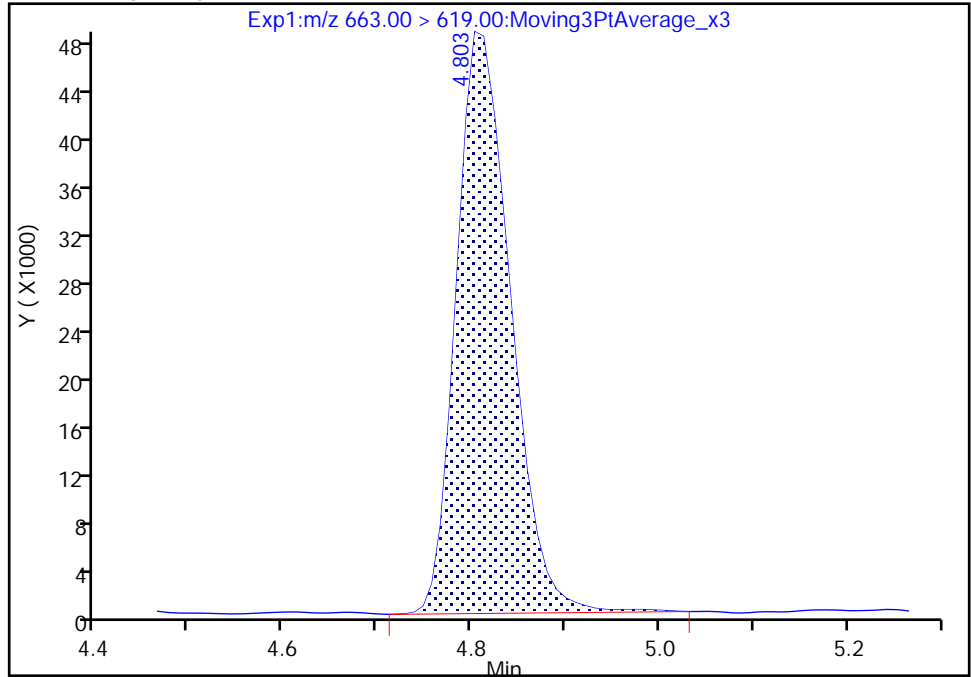
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

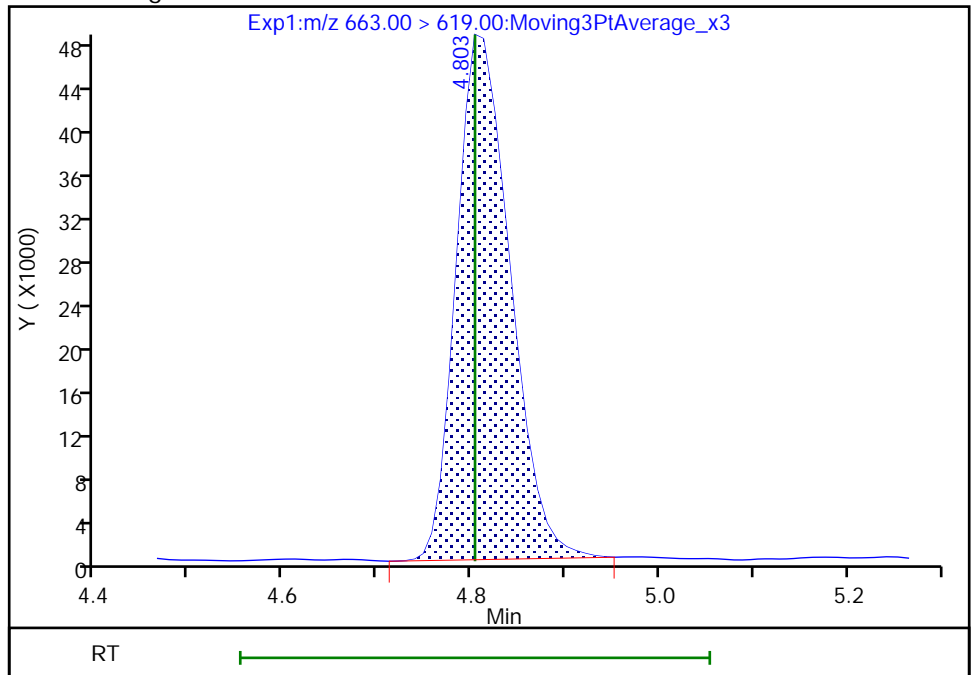
RT: 4.80
Area: 191046
Amount: 0.101171
Amount Units: ng/ml

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

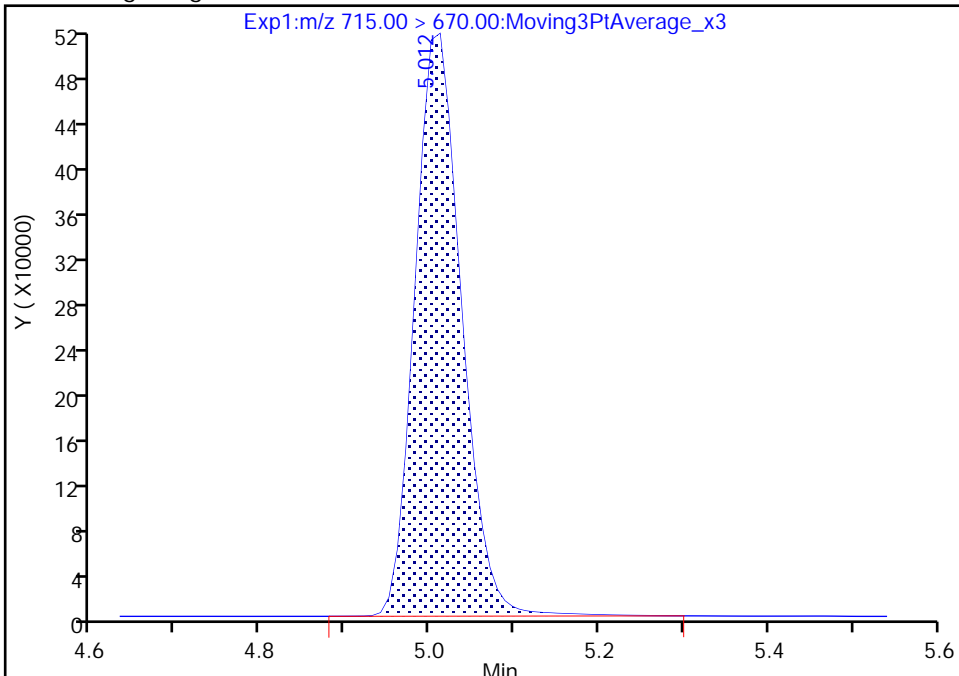
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

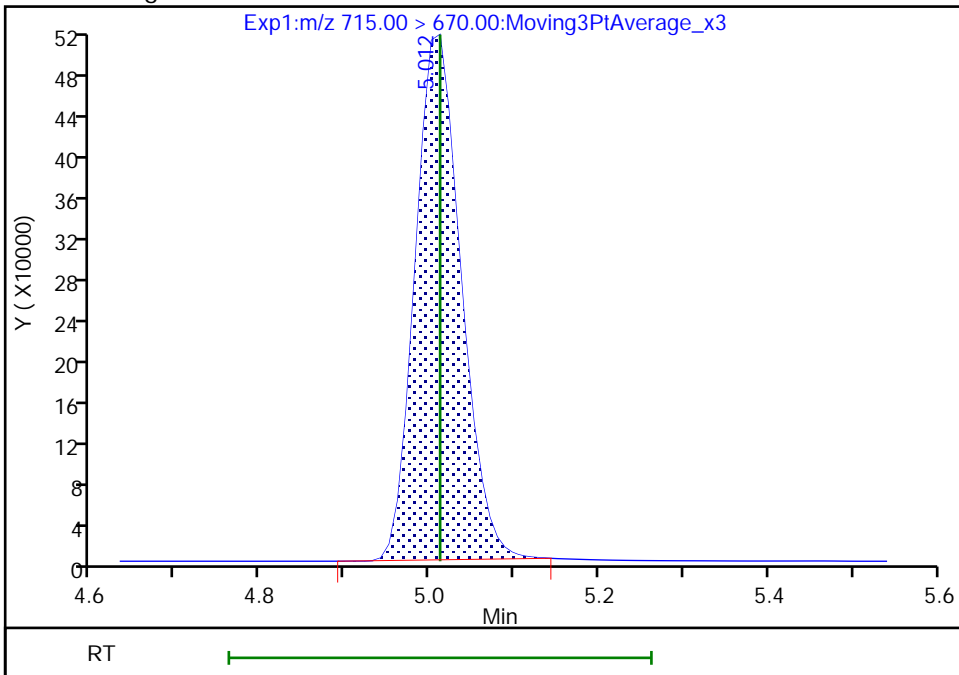
RT: 5.01
Area: 1965548
Amount: 1.242220
Amount Units: ng/ml

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

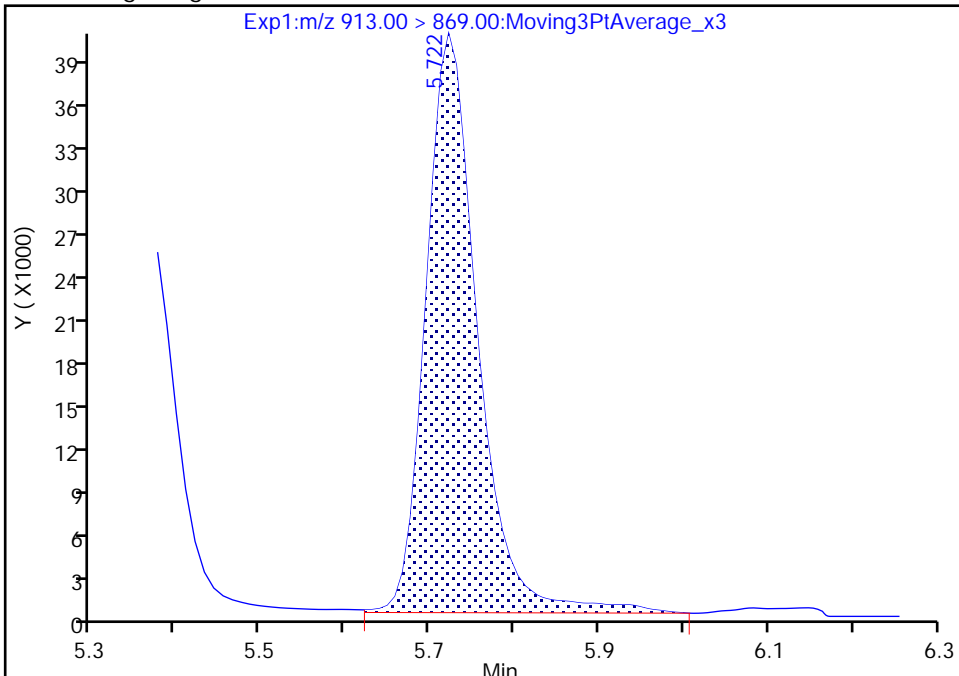
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

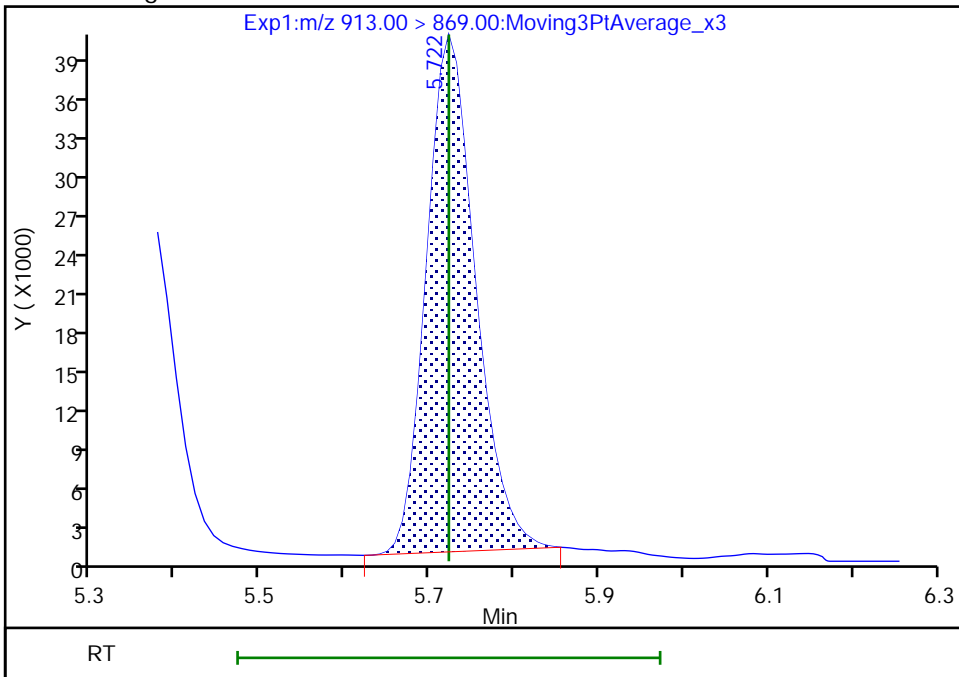
RT: 5.72
Area: 170572
Amount: 0.102523
Amount Units: ng/ml

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	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	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	367.00	> 322.00	3.099	3.099	0.0	0.897	2150118	1.22	97.6	2578	M	
10 Perfluoroheptanoic acid	363.00	> 319.00	3.099	3.099	0.0	1.000	1003322	0.5357	Target=3.93	107	220	M
	363.00	> 169.00	3.099	3.099	0.0	1.000	251672		3.99(1.96-5.89)	107	546	M
77 DONA	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	449.00	> 80.00	3.439	3.439	0.0	0.914	616490	0.5096	Target=5.16	107	2611	M
	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	503.00	> 80.00	3.764	3.764	0.0	1.089	1035061	1.18	98.6	2361	M	
17 Perfluorooctanesulfonic acid	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	468.00	> 423.00	3.783	3.783	0.0	1.094	2379680	1.24	98.9	2665	M	
20 Perfluorononanoic acid	463.00	> 419.00	3.783	3.783	0.0	1.000	1050495	0.5319	Target=8.49	106	218	M
	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	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	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

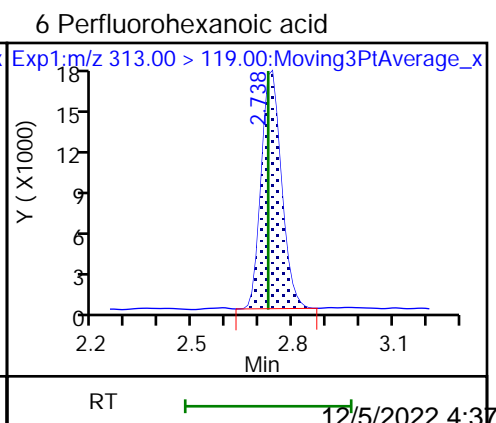
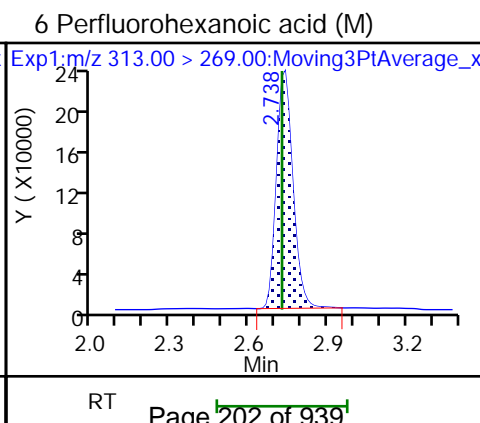
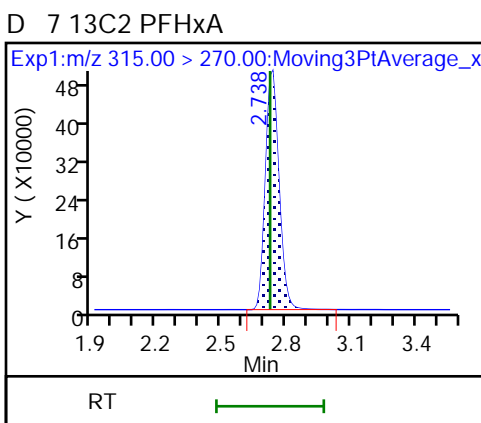
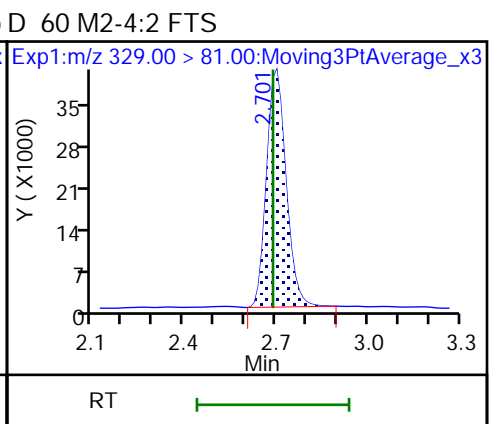
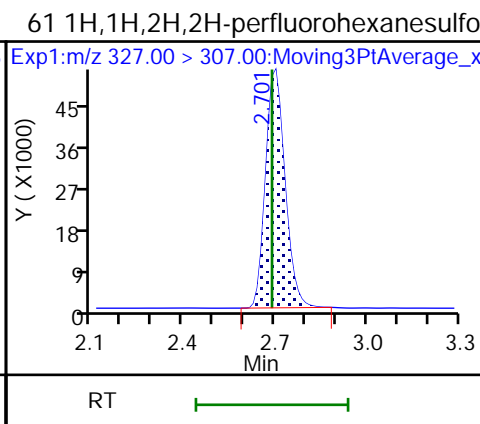
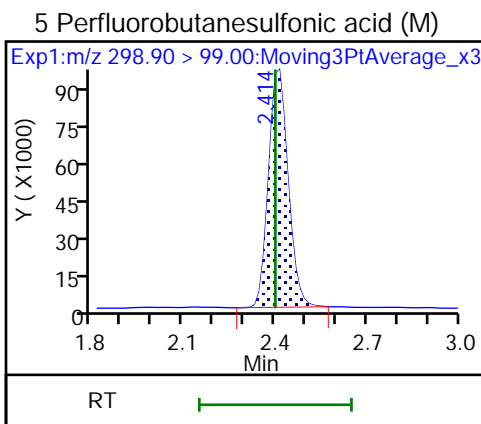
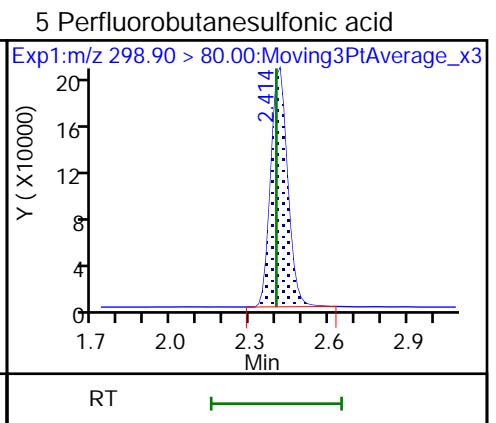
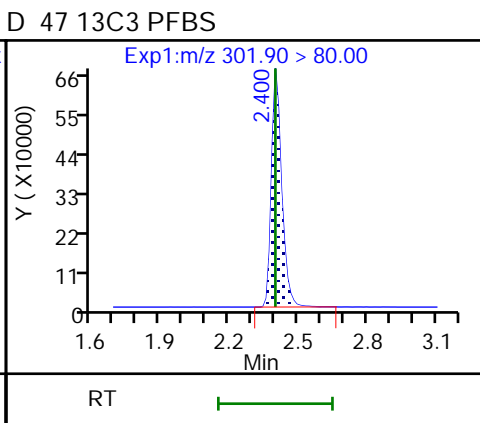
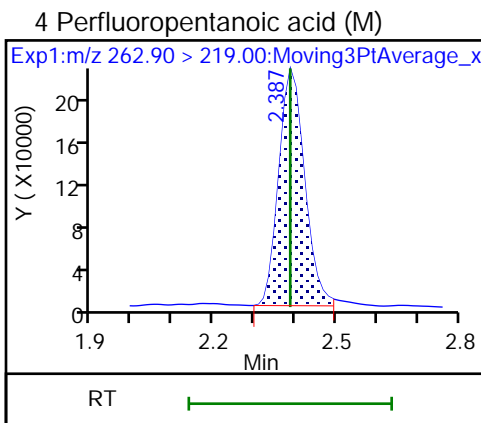
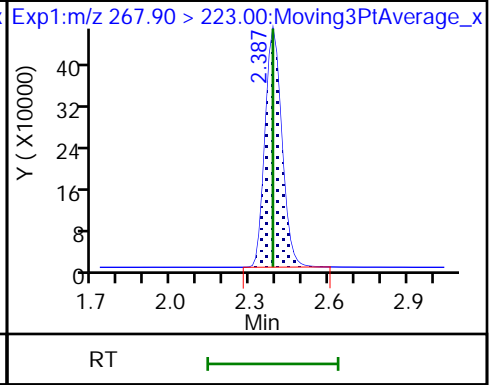
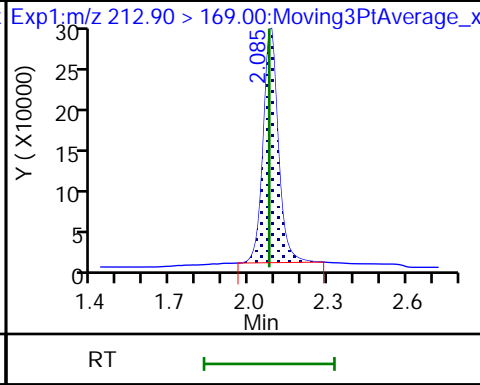
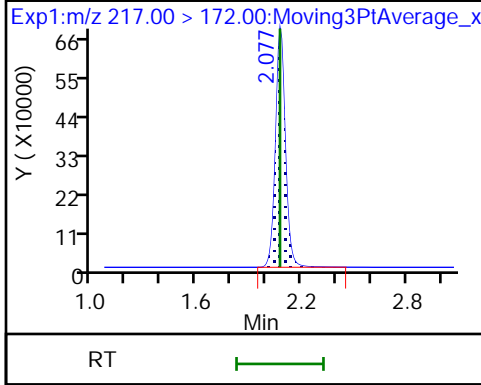
Method: PFC_LC812

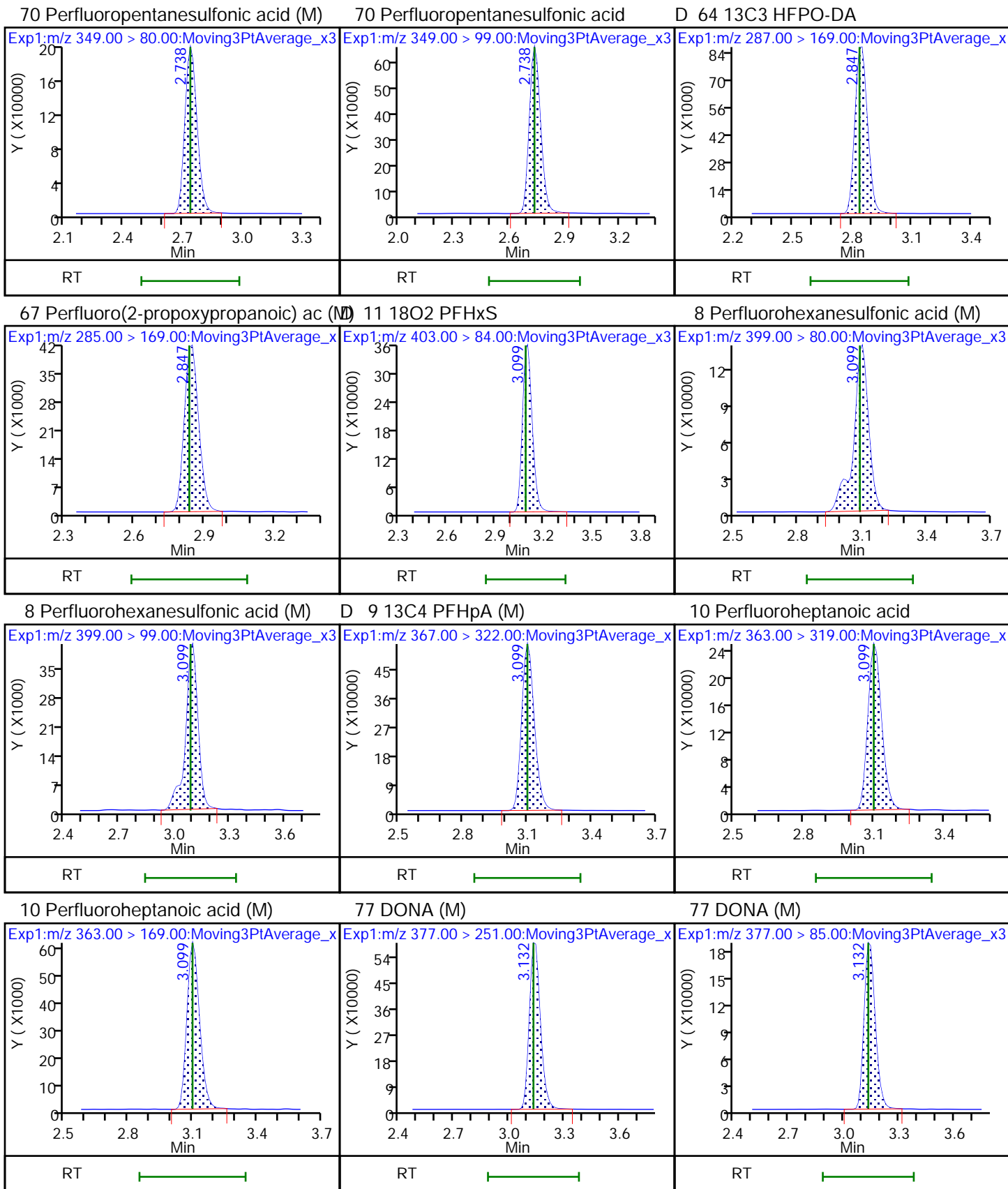
Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

D 3 13C5 PFPeA

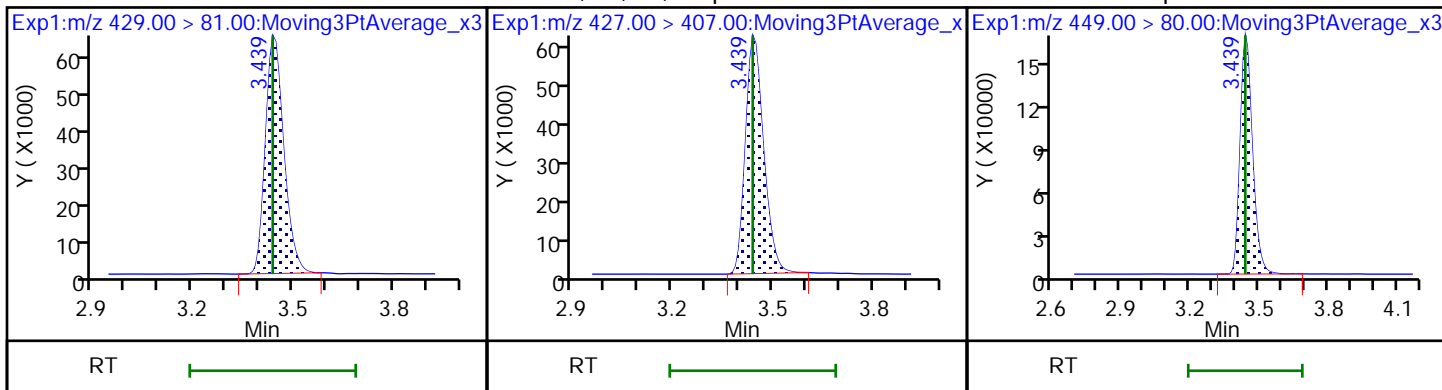




D 12 M2-6:2 FTS

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

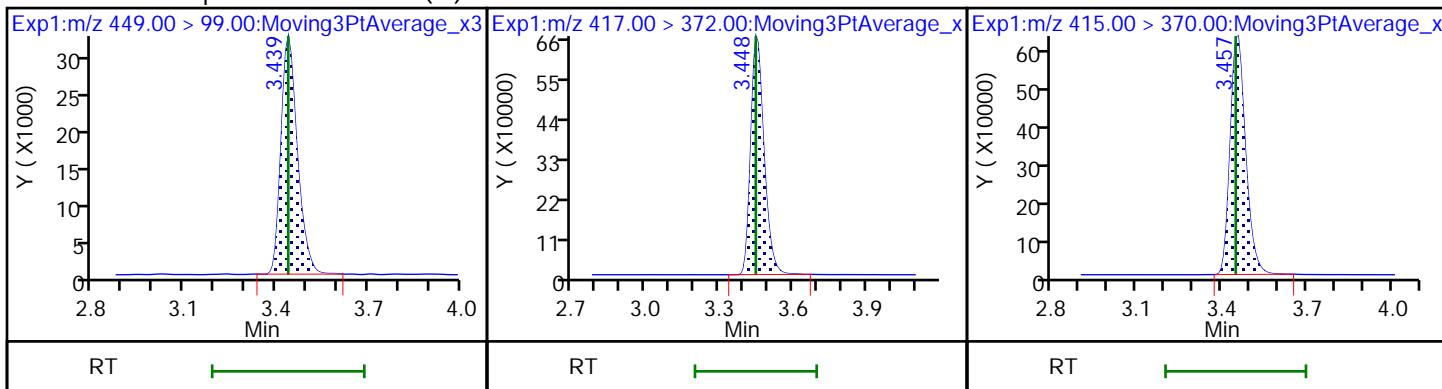
16 Perfluoroheptanesulfonic acid



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

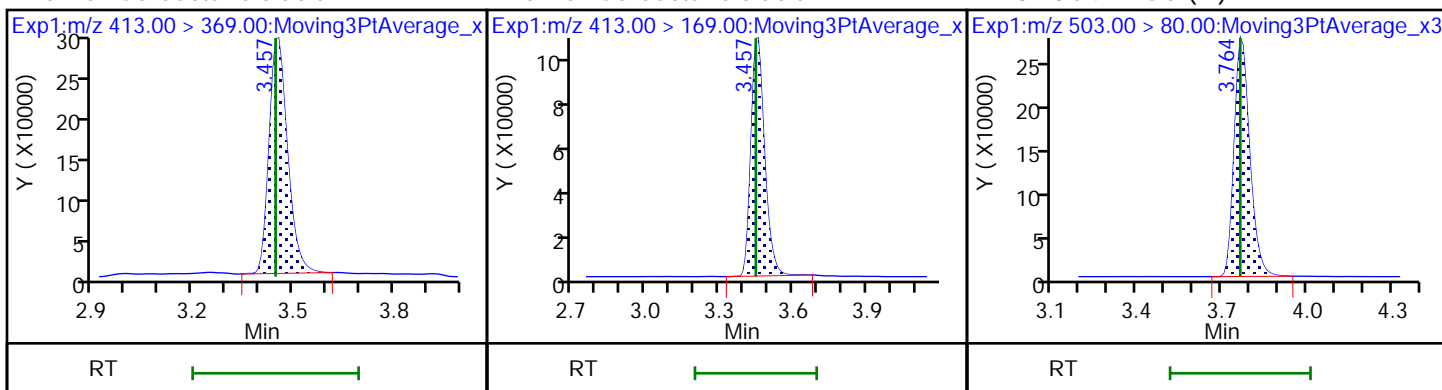
* 62 13C2 PFOA



15 Perfluorooctanoic acid

15 Perfluorooctanoic acid

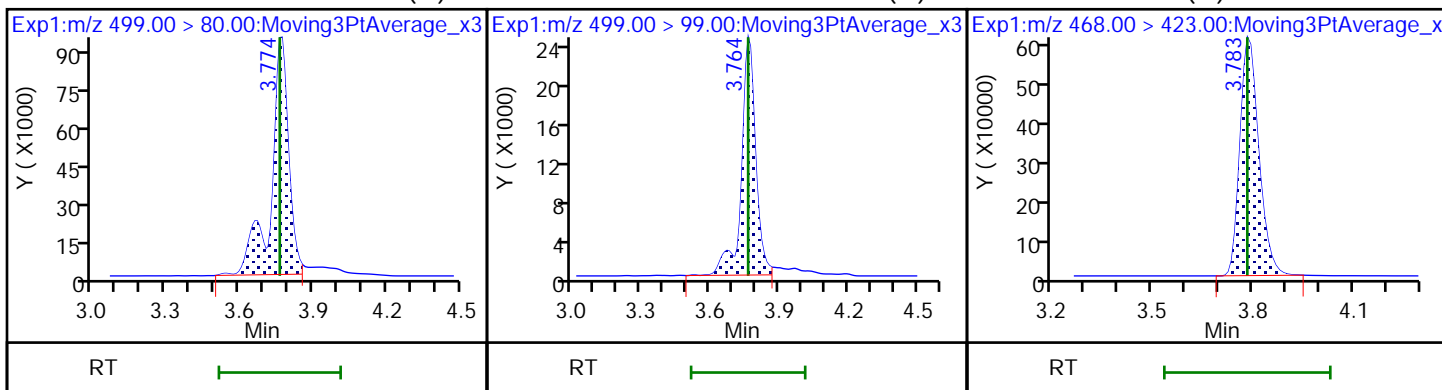
D 18 13C4 PFOS (M)

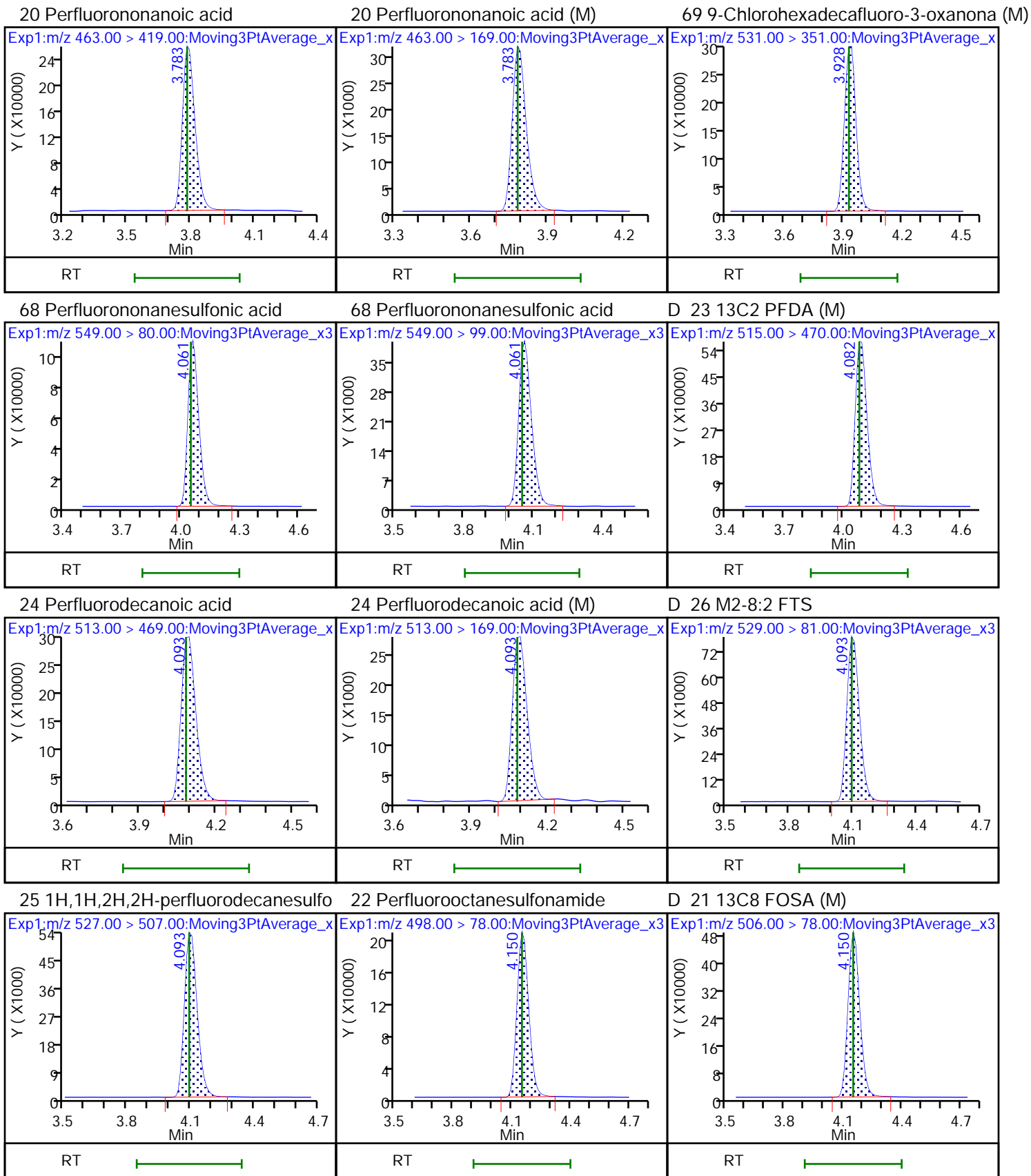


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

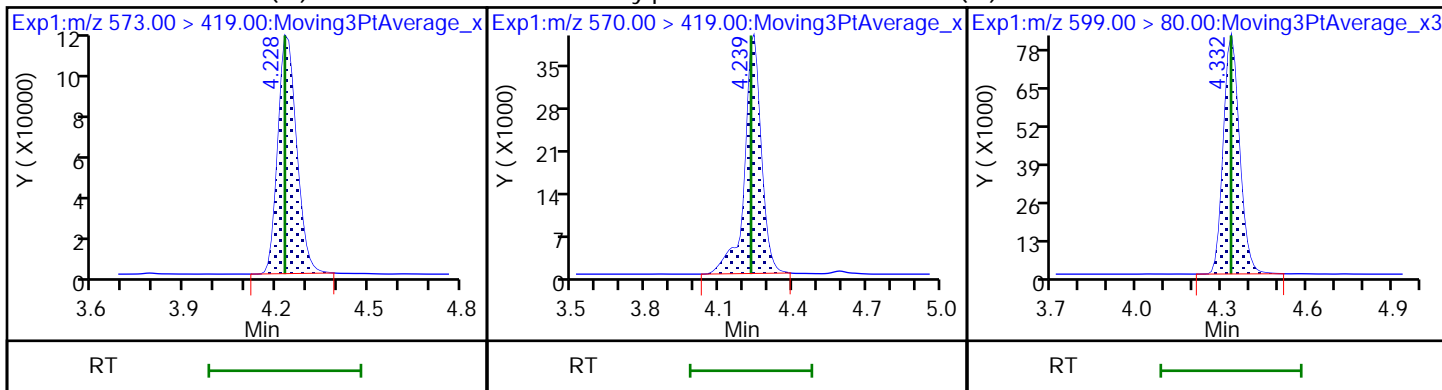
D 19 13C5 PFNA (M)





D 27 d3-NMeFOSAA (M)

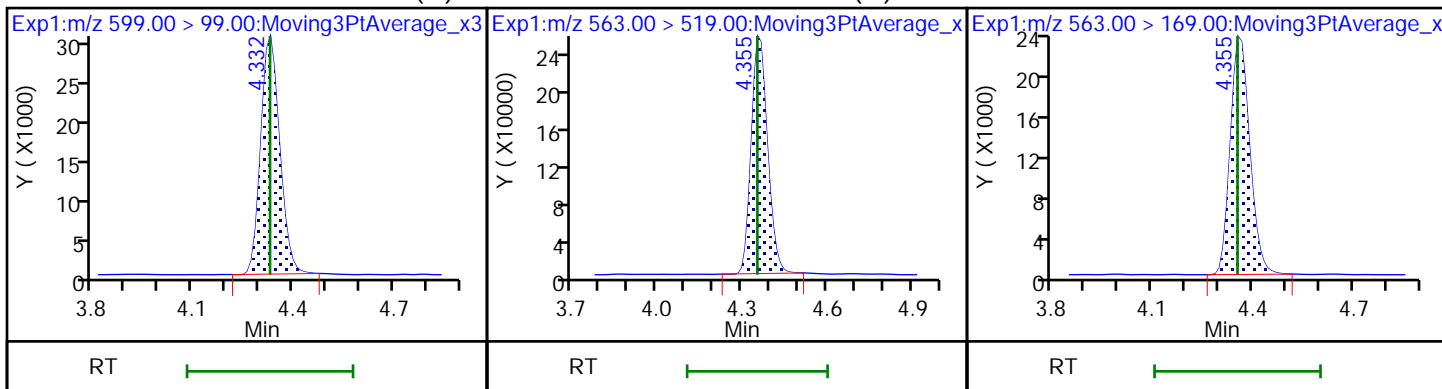
28 N-methylperfluorooctanesulfonami (M) 29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid (M)

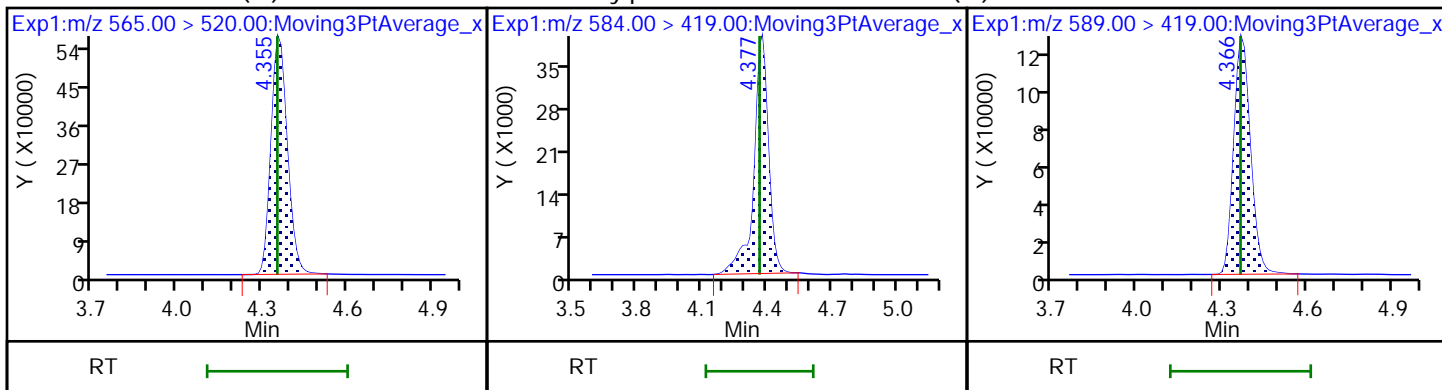
31 Perfluoroundecanoic acid (M)

31 Perfluoroundecanoic acid



D 30 13C2 PFUnA (M)

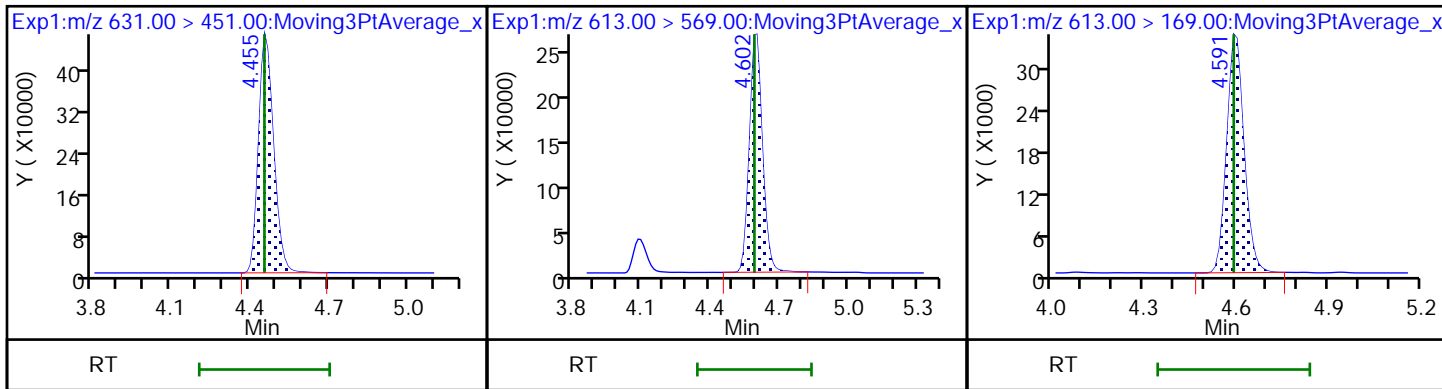
33 N-ethylperfluorooctanesulfonamid (M) 32 d5-NEtFOSAA



66 11-Chloroeicosafuoro-3-oxaundec

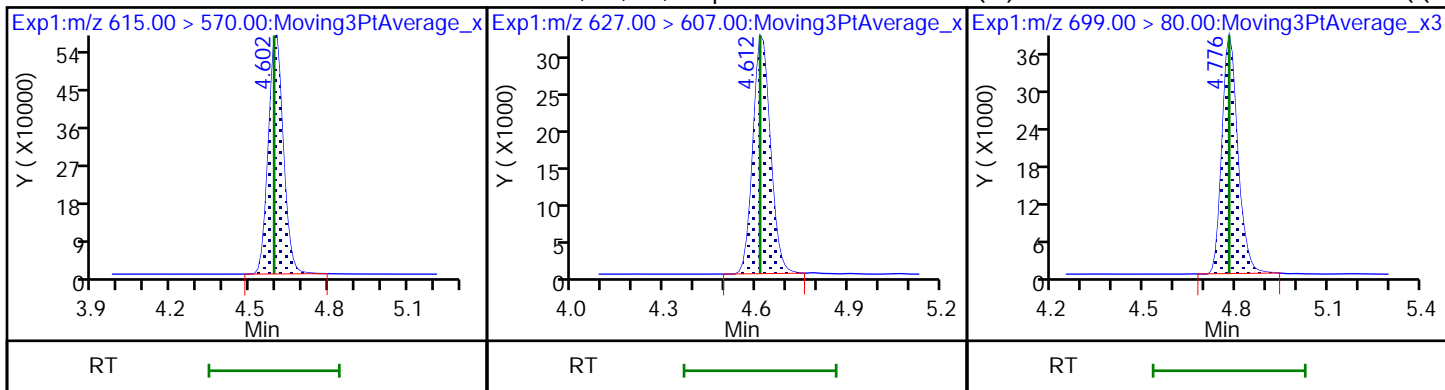
37 Perfluorododecanoic acid

37 Perfluorododecanoic acid



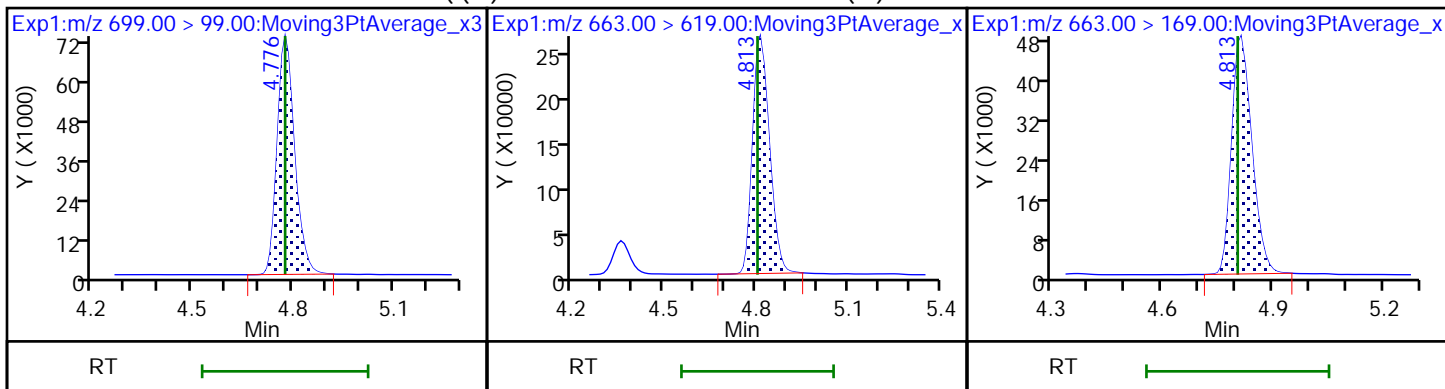
D 36 13C2 PFDaA

74 1H,1H,2H,2H-perfluorododecanesul (M) Perfluorododecanesulfonic acid ((M)



75 Perfluorododecanesulfonic acid ((M) 41 Perfluorotridecanoic acid (M)

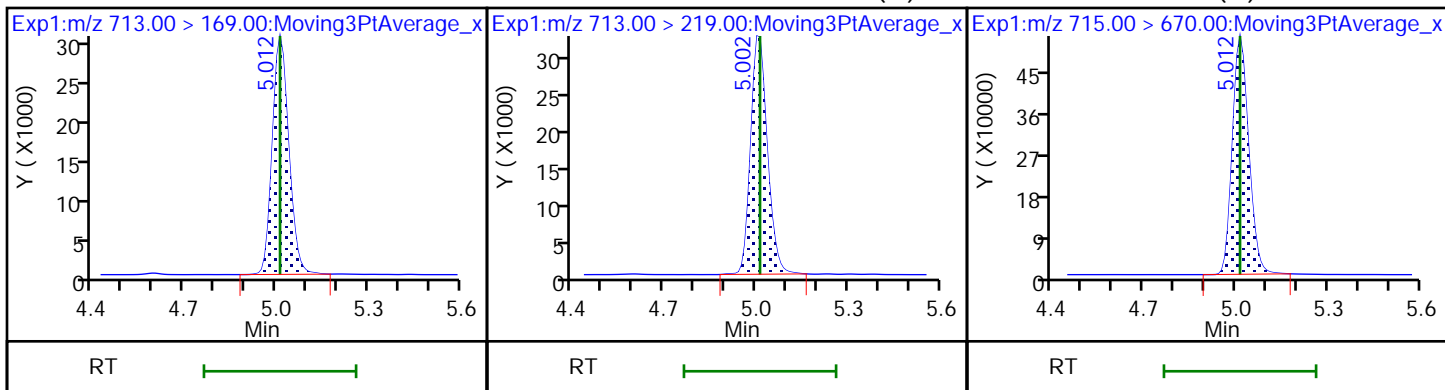
41 Perfluorotridecanoic acid



42 Perfluorotetradecanoic acid

42 Perfluorotetradecanoic acid (M)

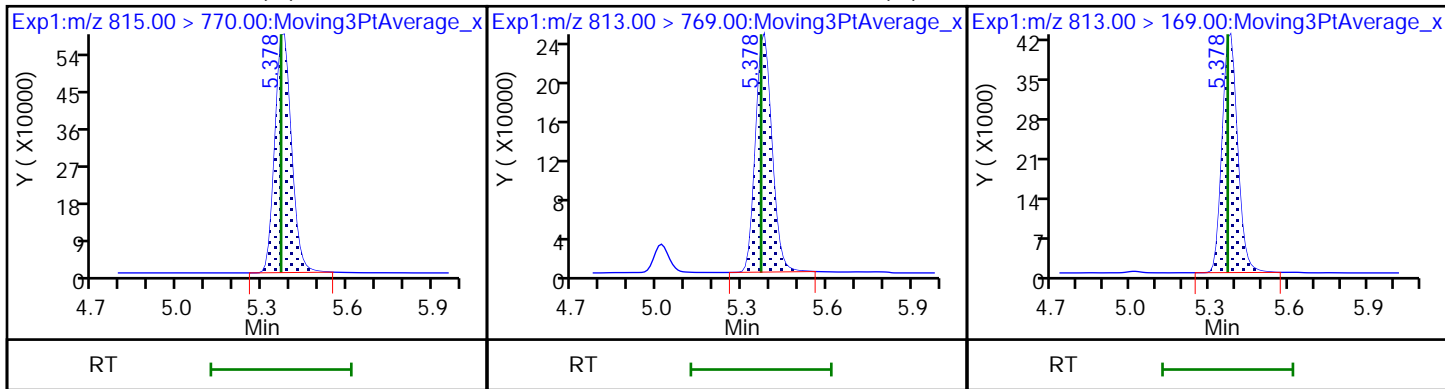
D 43 13C2 PFTeDA (M)



D 44 13C2 PFHxDA (M)

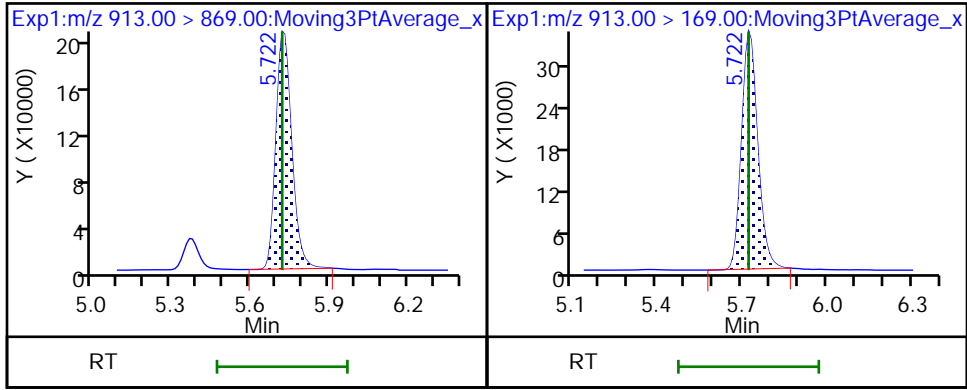
45 Perfluorohexadecanoic acid (M)

45 Perfluorohexadecanoic acid



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

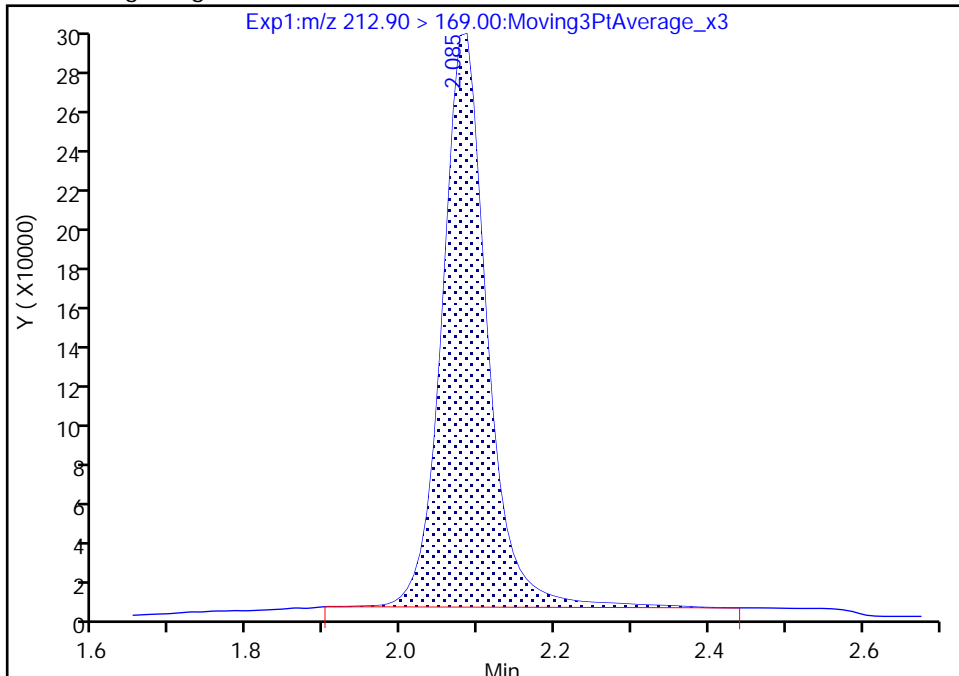
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

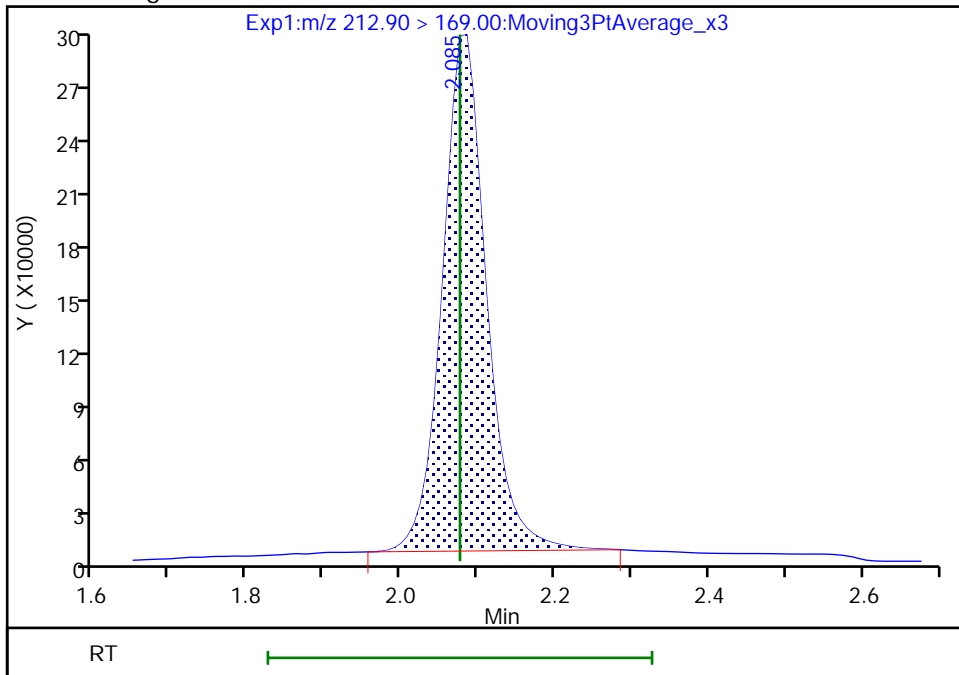
RT: 2.09
Area: 1168803
Amount: 0.489521
Amount Units: ng/ml

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

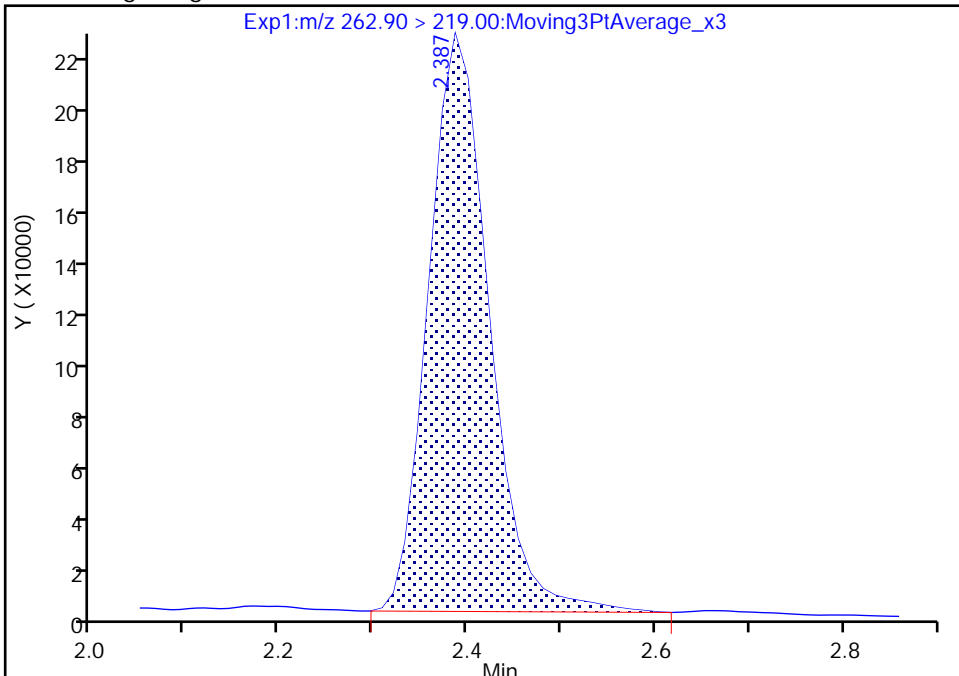
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

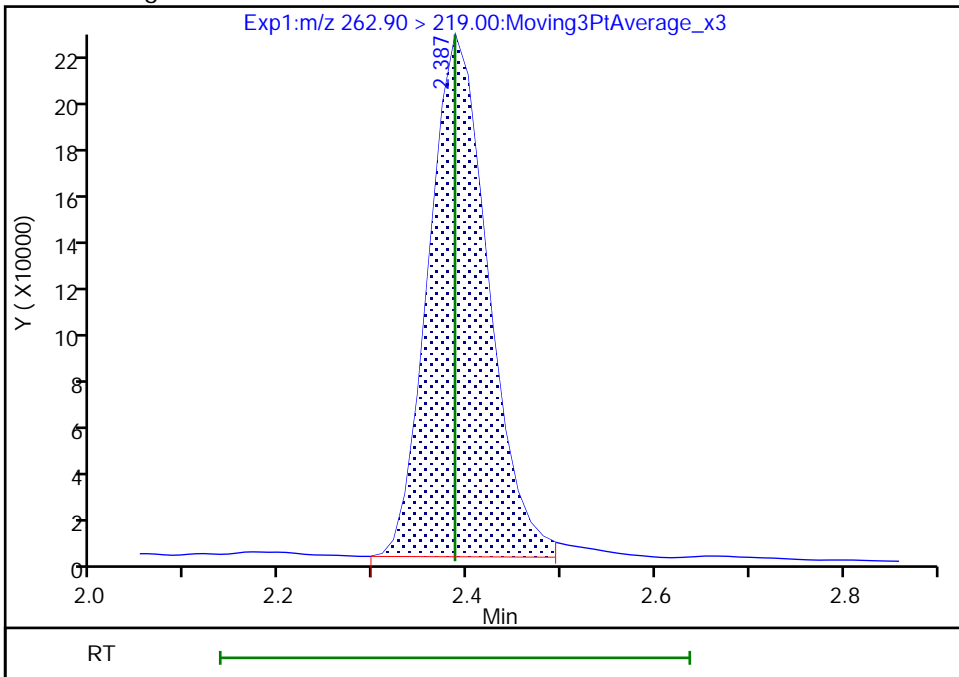
RT: 2.39
Area: 946379
Amount: 0.487855
Amount Units: ng/ml

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

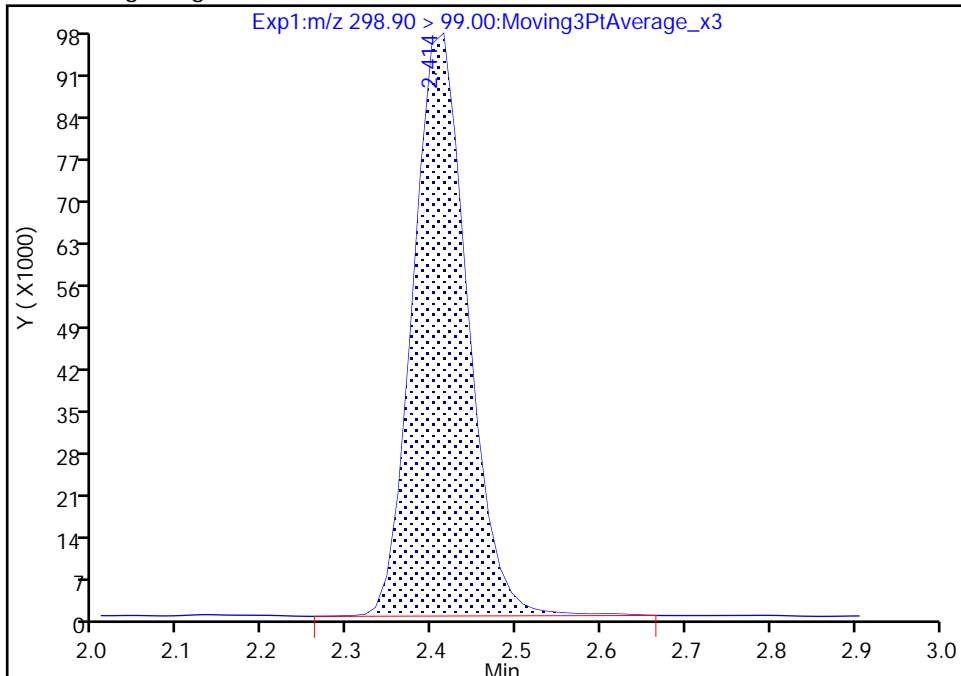
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

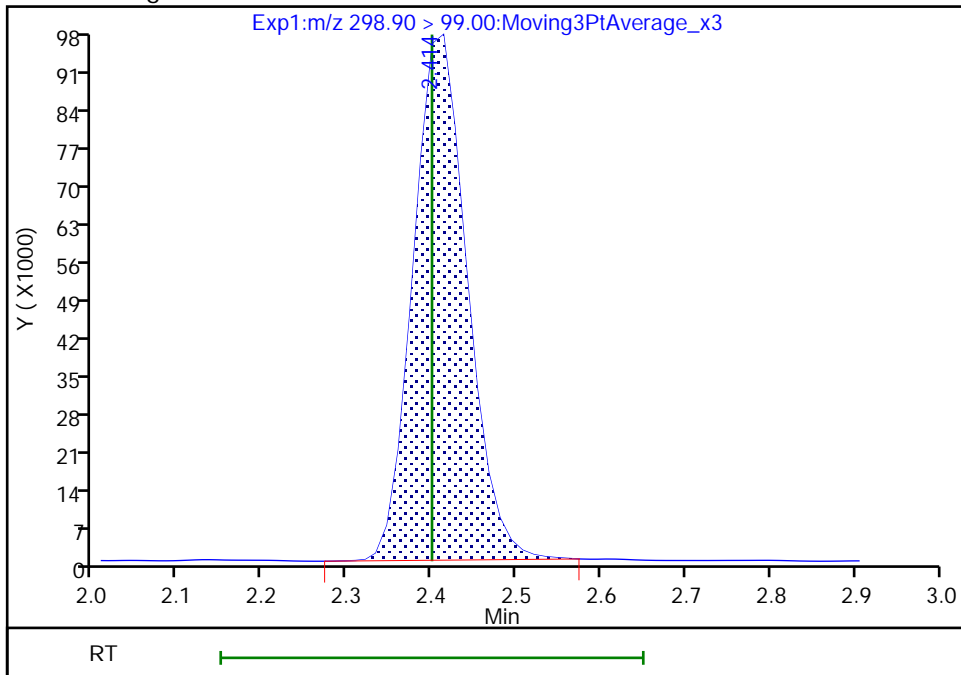
RT: 2.41
Area: 434508
Amount: 0.422187
Amount Units: ng/ml

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

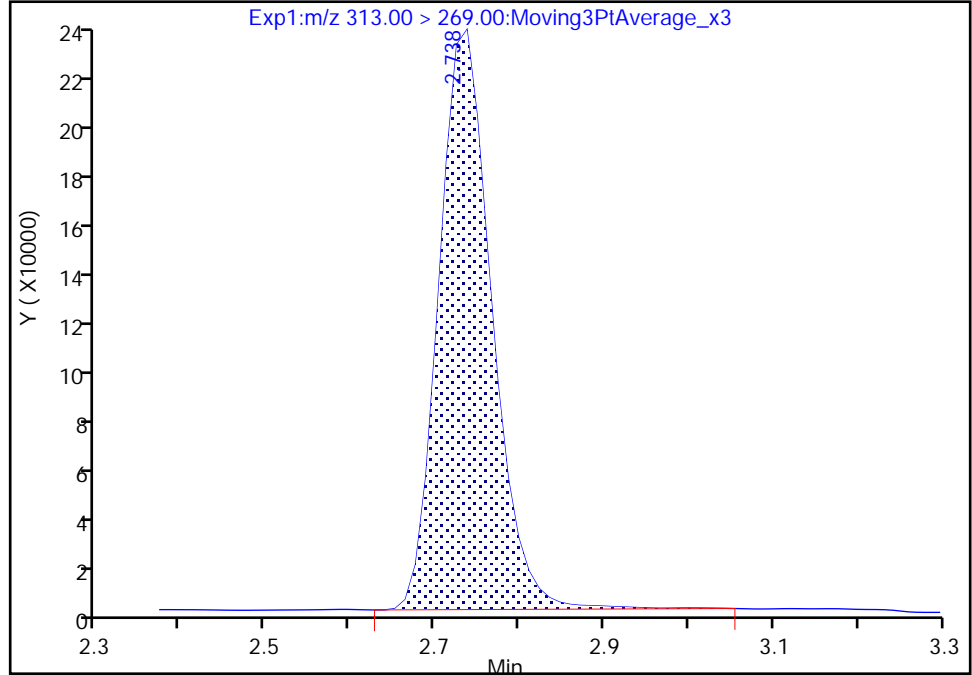
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

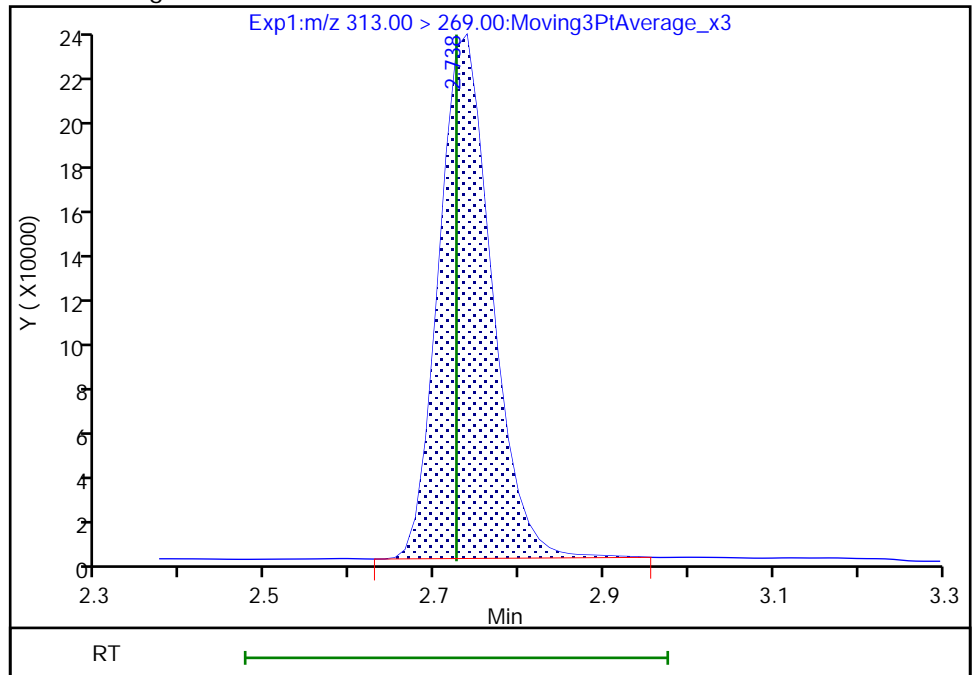
RT: 2.74
Area: 996443
Amount: 0.493667
Amount Units: ng/ml

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

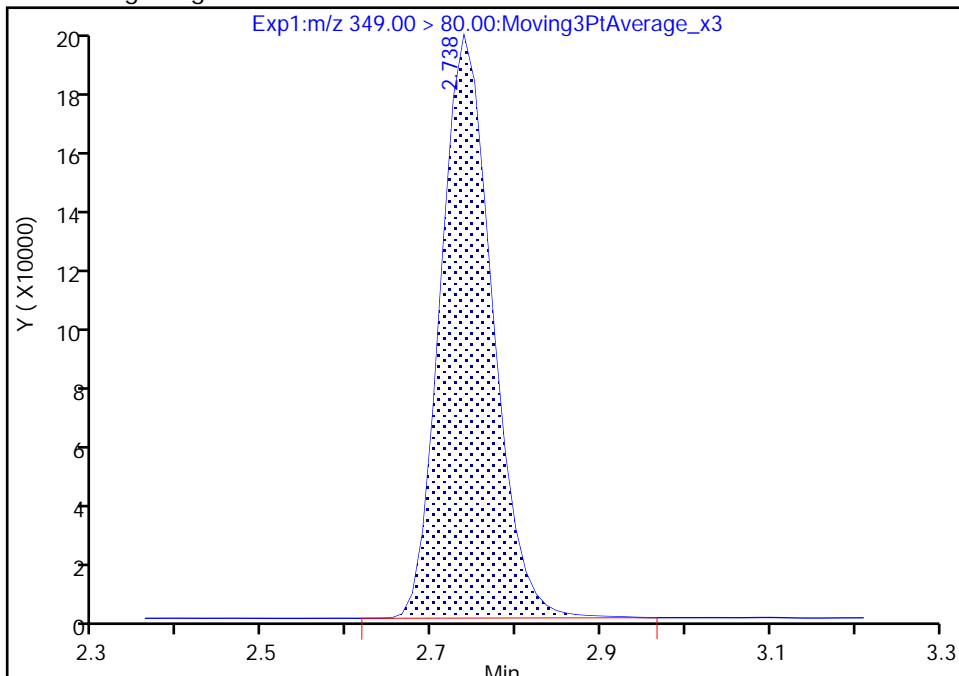
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

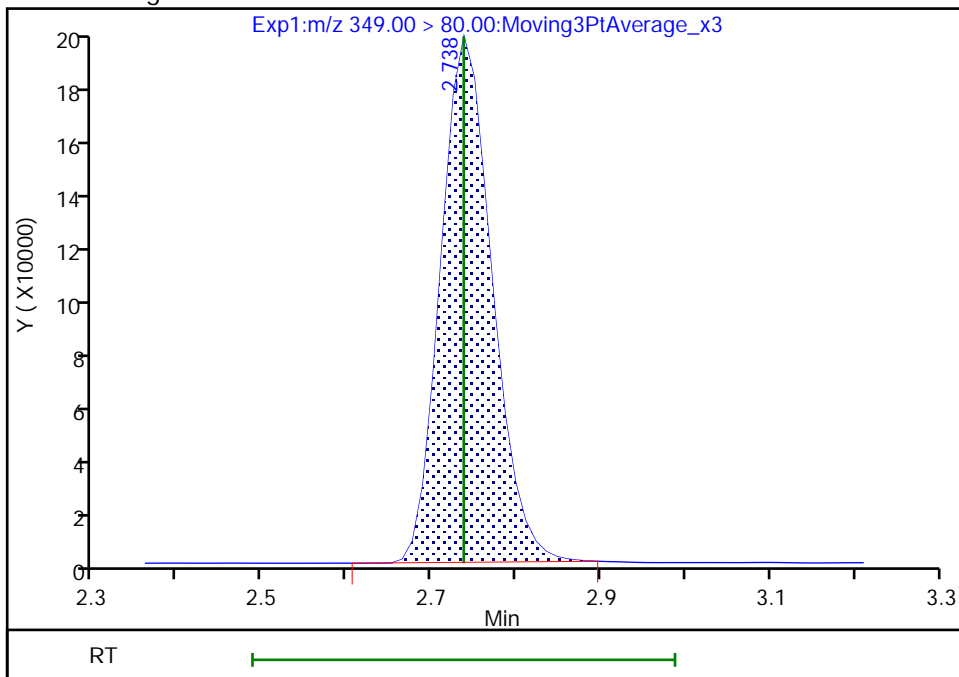
RT: 2.74
Area: 843222
Amount: 0.480975
Amount Units: ng/ml

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

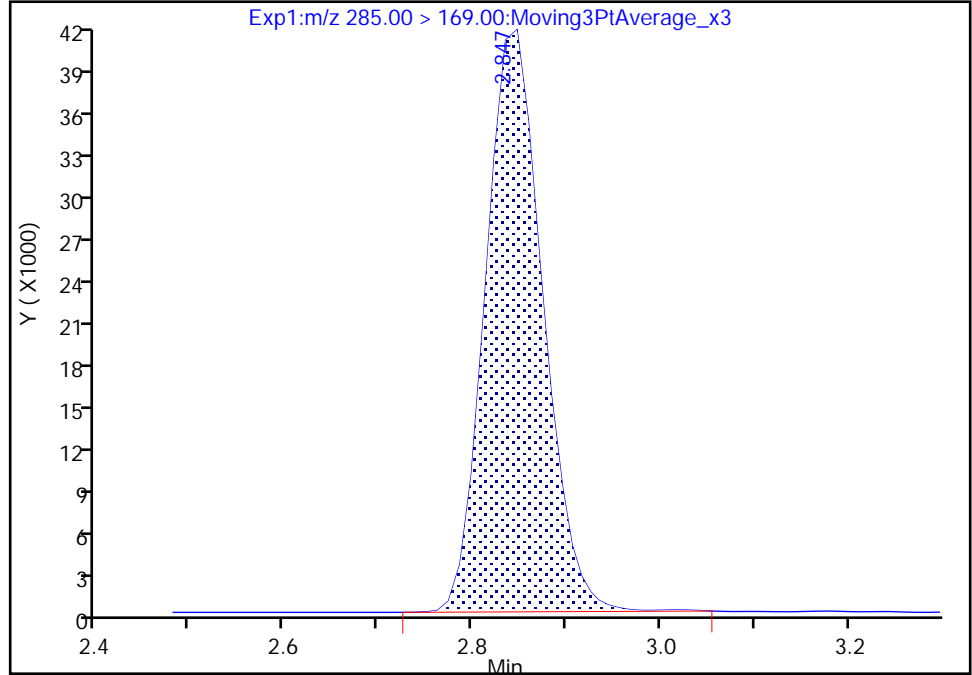
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

67 Perfluoro(2-propoxypropanoic) ac, CAS: 13252-13-6

Signal: 1

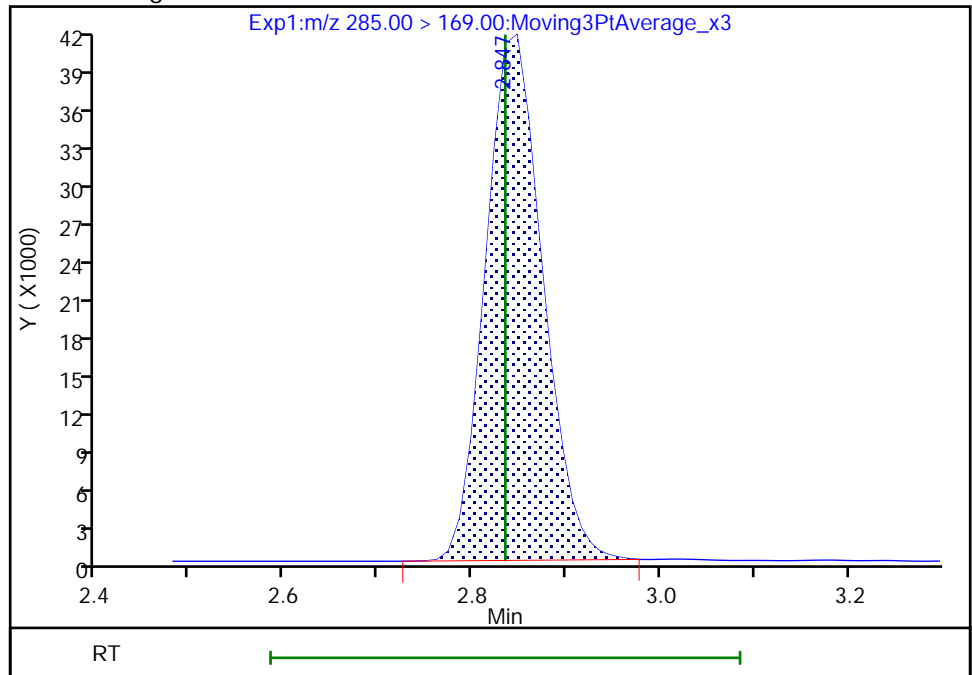
RT: 2.85
Area: 175711
Amount: 0.510805
Amount Units: ng/ml

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

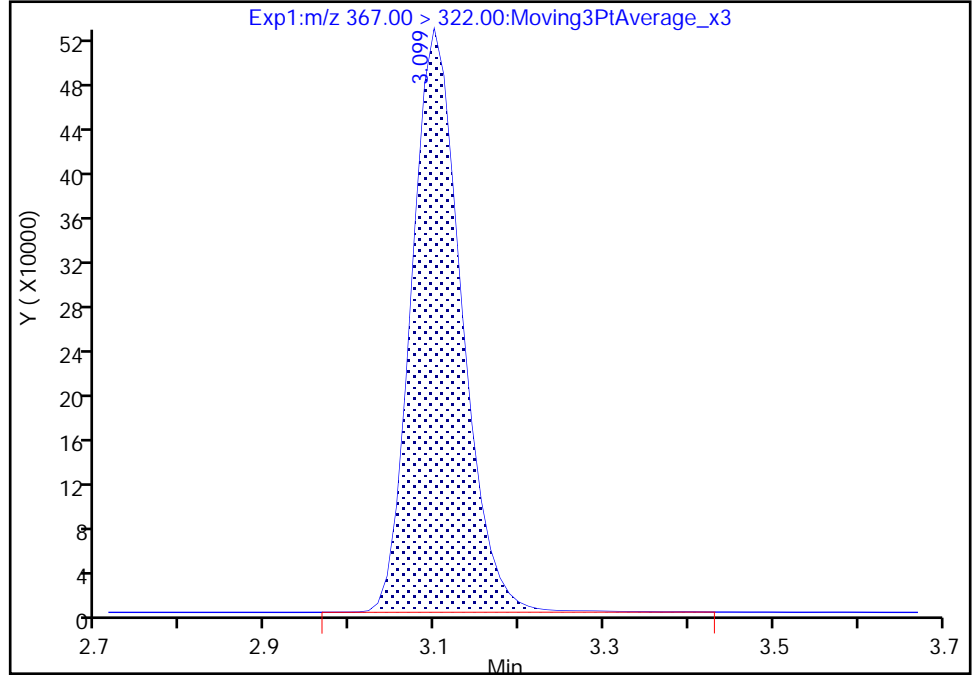
Eurofins Burlington

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

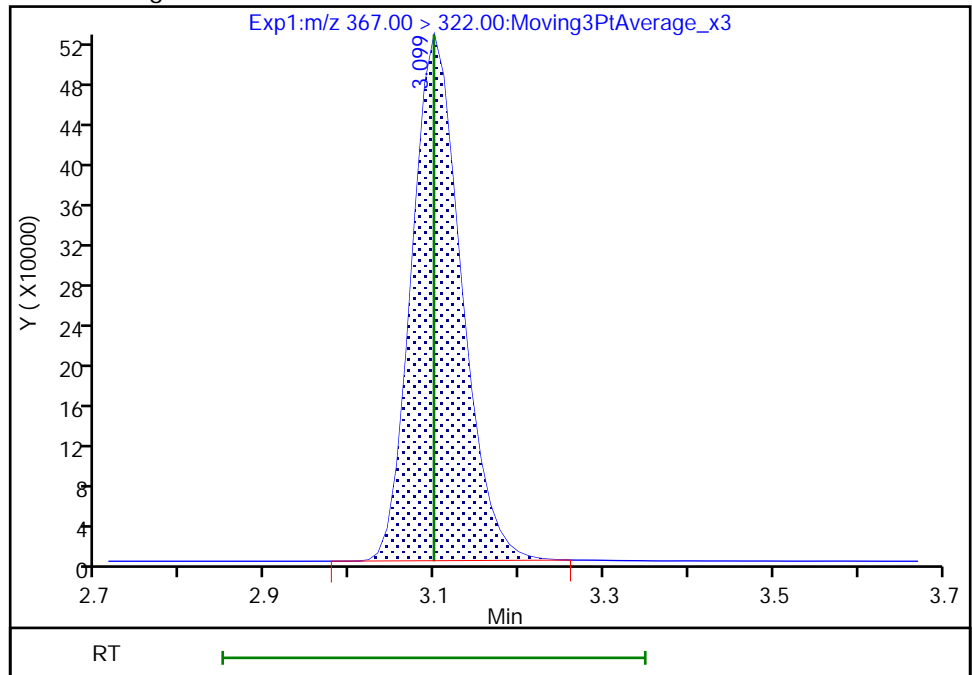
RT: 3.10
Area: 2162805
Amount: 1.248507
Amount Units: ng/ml

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

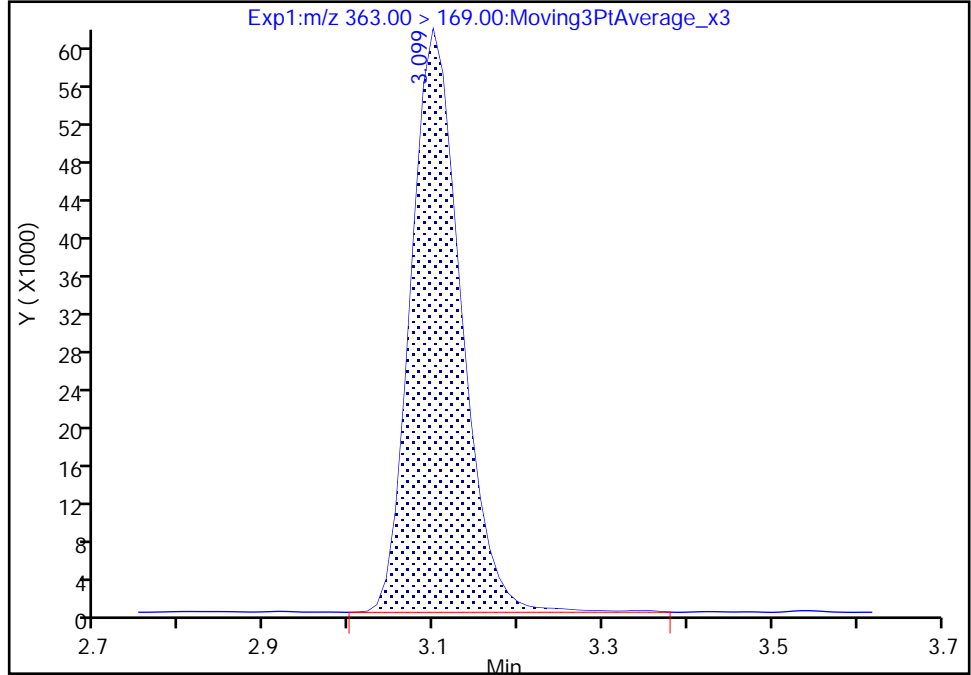
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

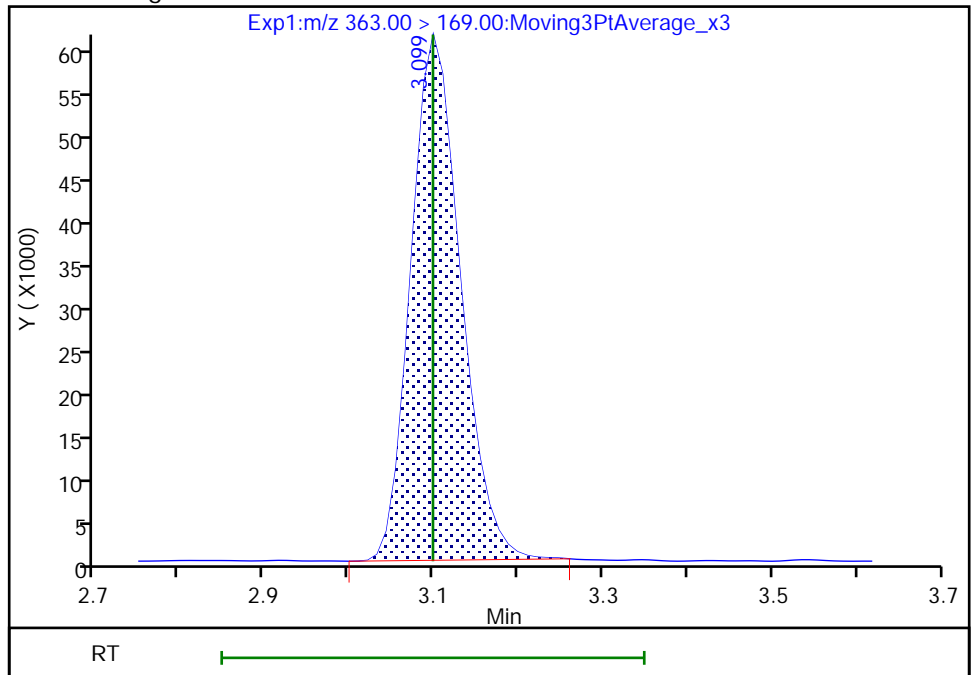
RT: 3.10
Area: 254758
Amount: 0.495820
Amount Units: ng/ml

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

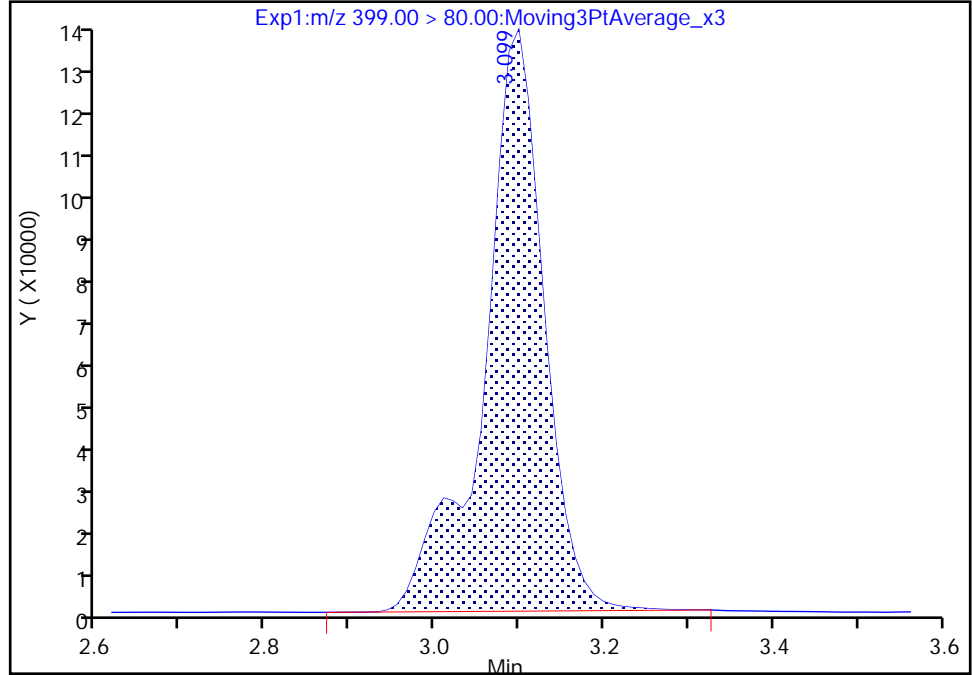
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

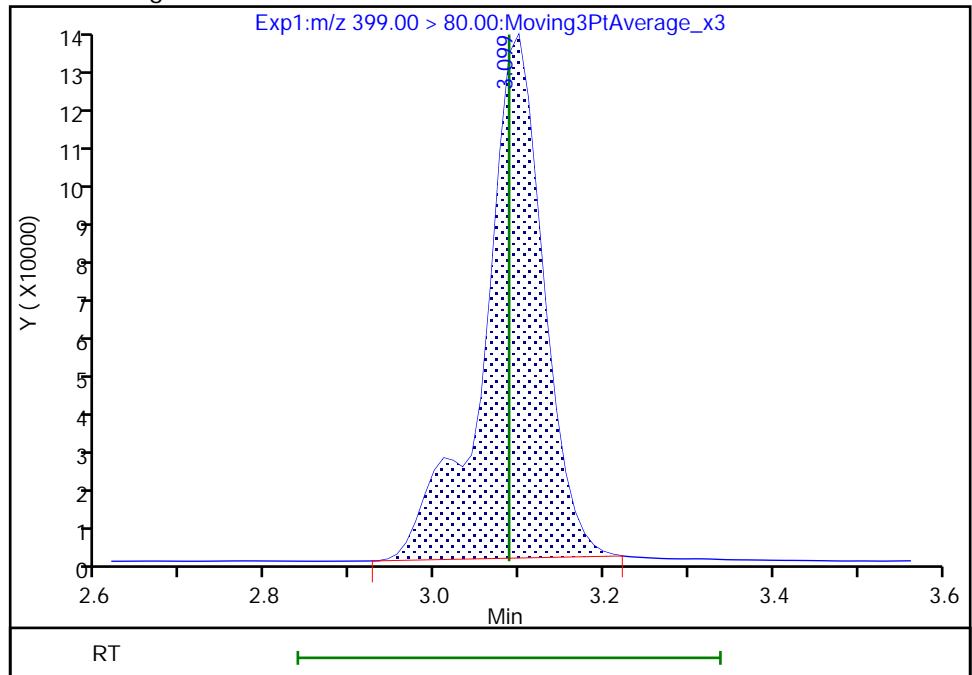
RT: 3.10
Area: 690915
Amount: 0.467335
Amount Units: ng/ml

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

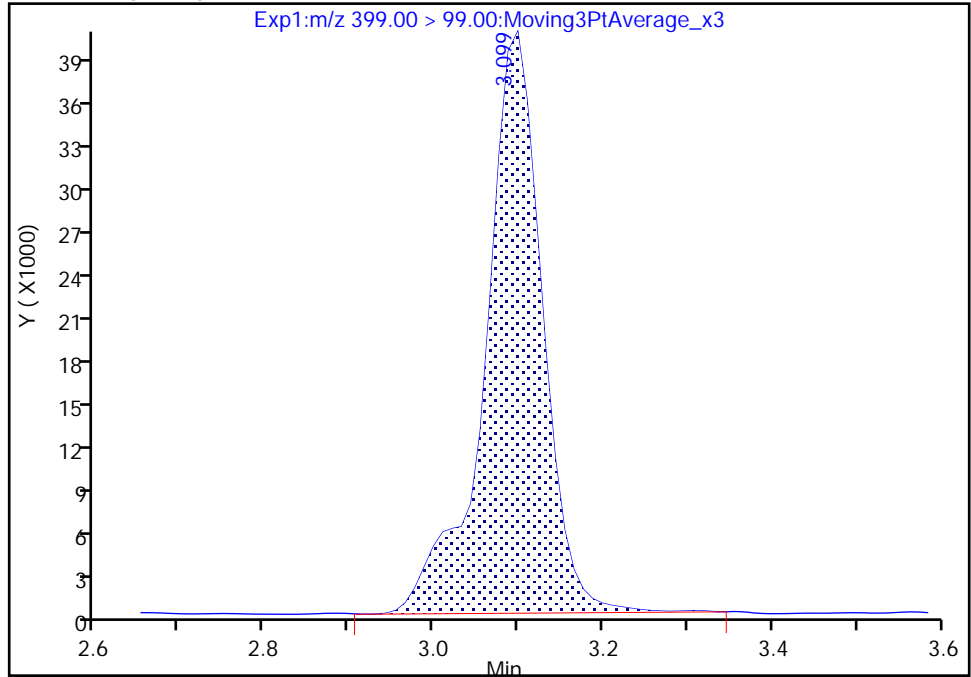
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

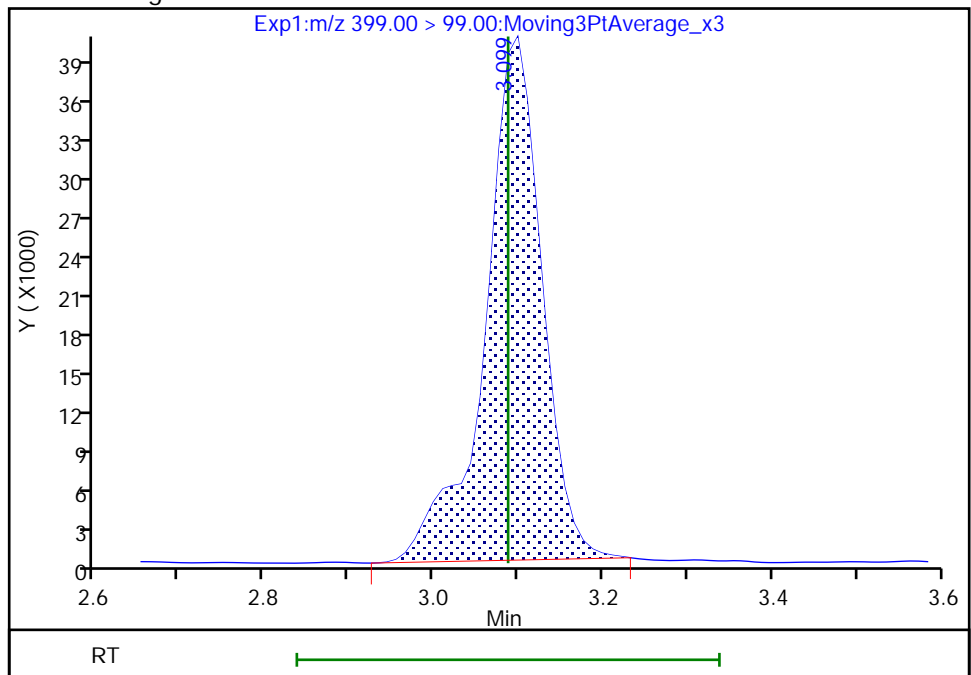
RT: 3.10
Area: 188640
Amount: 0.467335
Amount Units: ng/ml

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

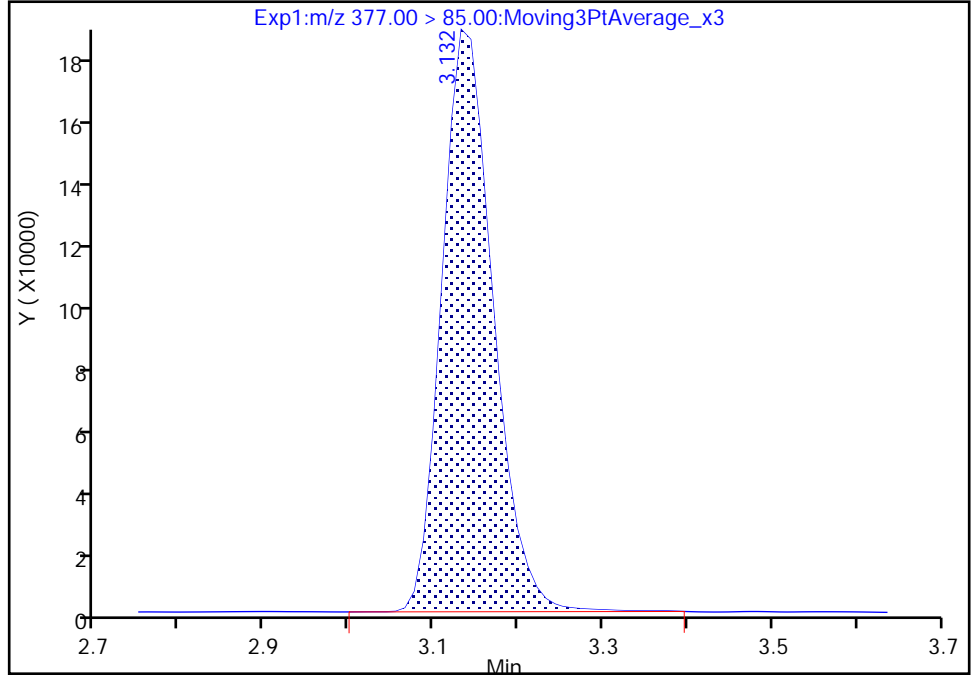
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 2

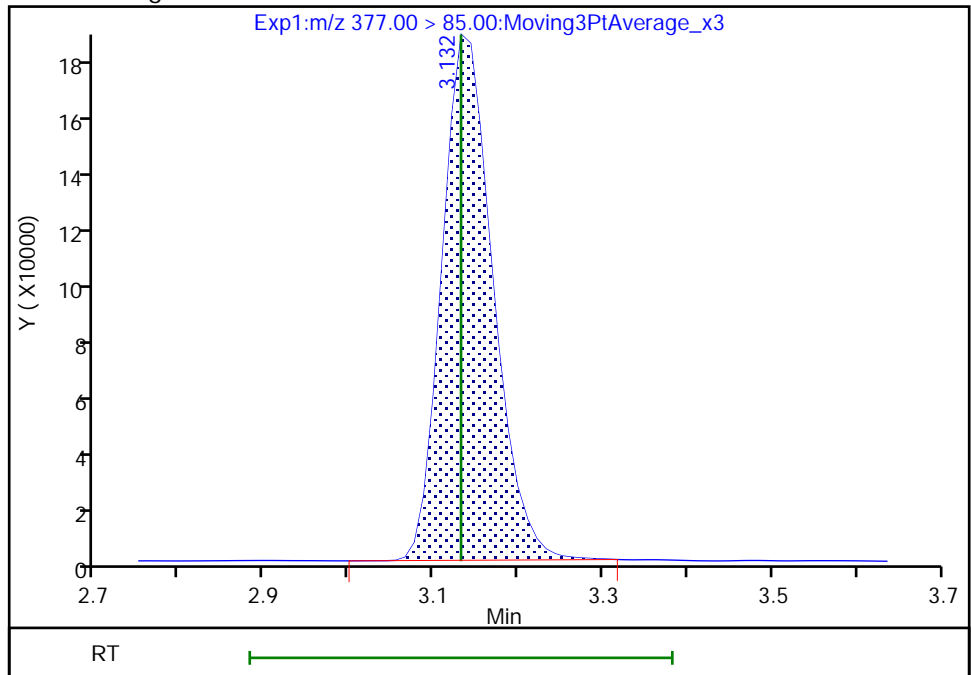
RT: 3.13
Area: 764336
Amount: 0.467942
Amount Units: ng/ml

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

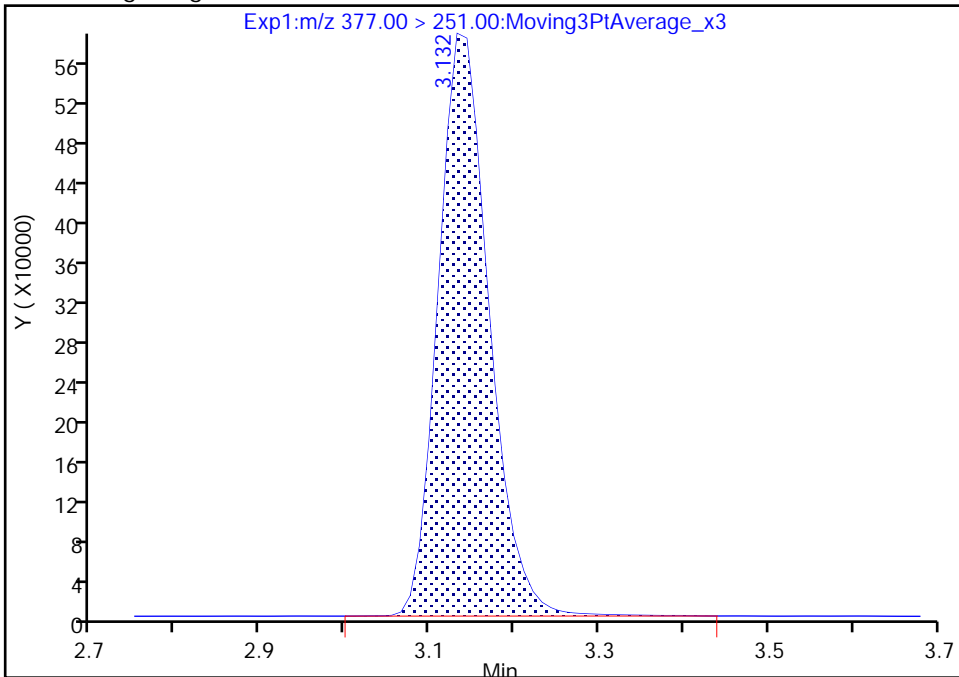
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 1

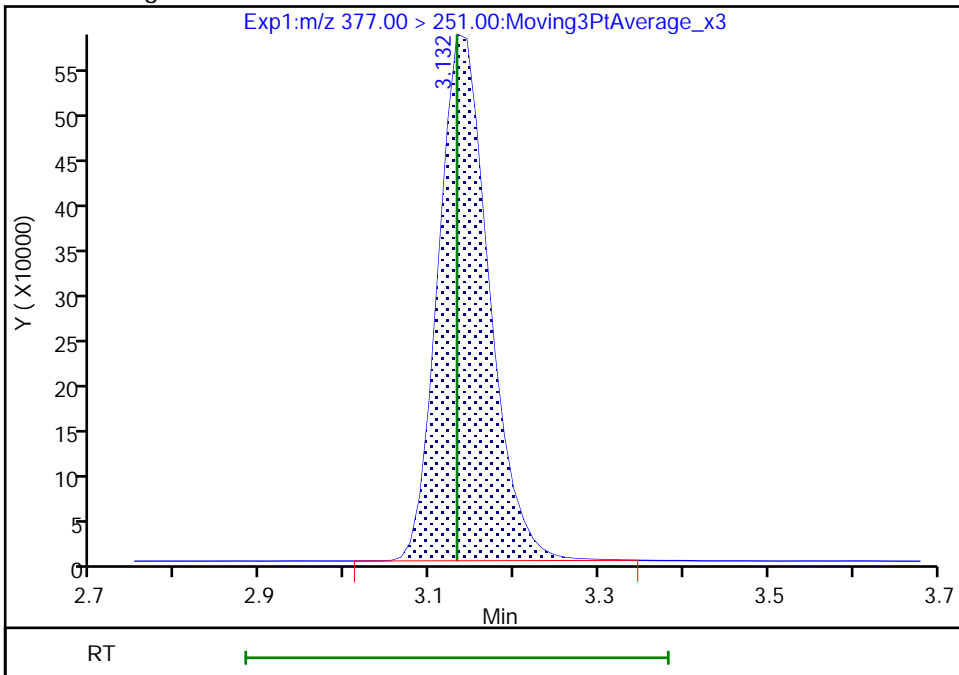
RT: 3.13
Area: 2417717
Amount: 0.467942
Amount Units: ng/ml

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

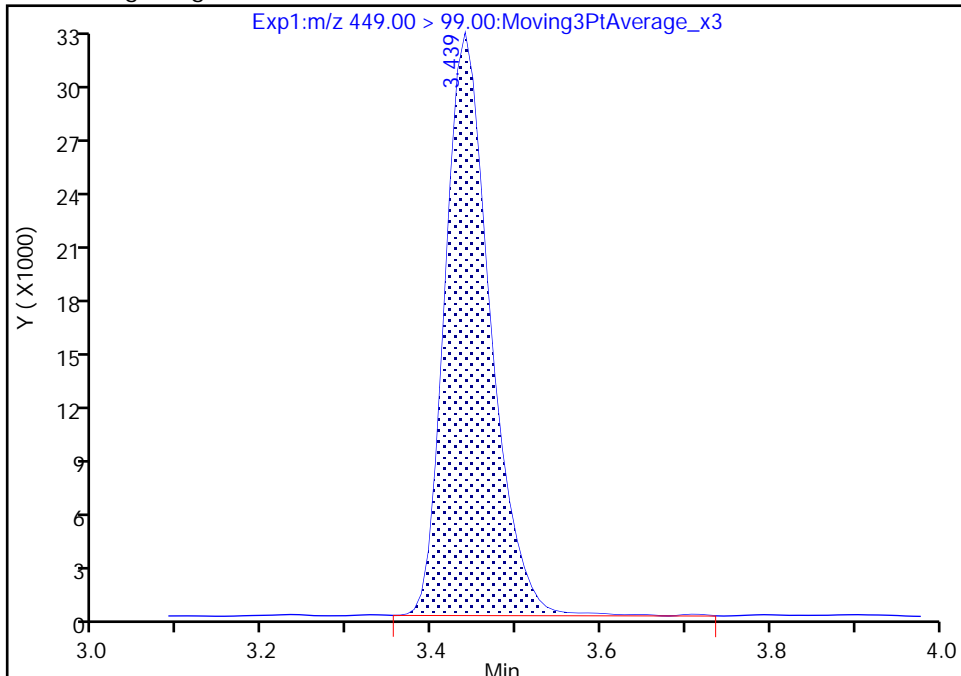
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

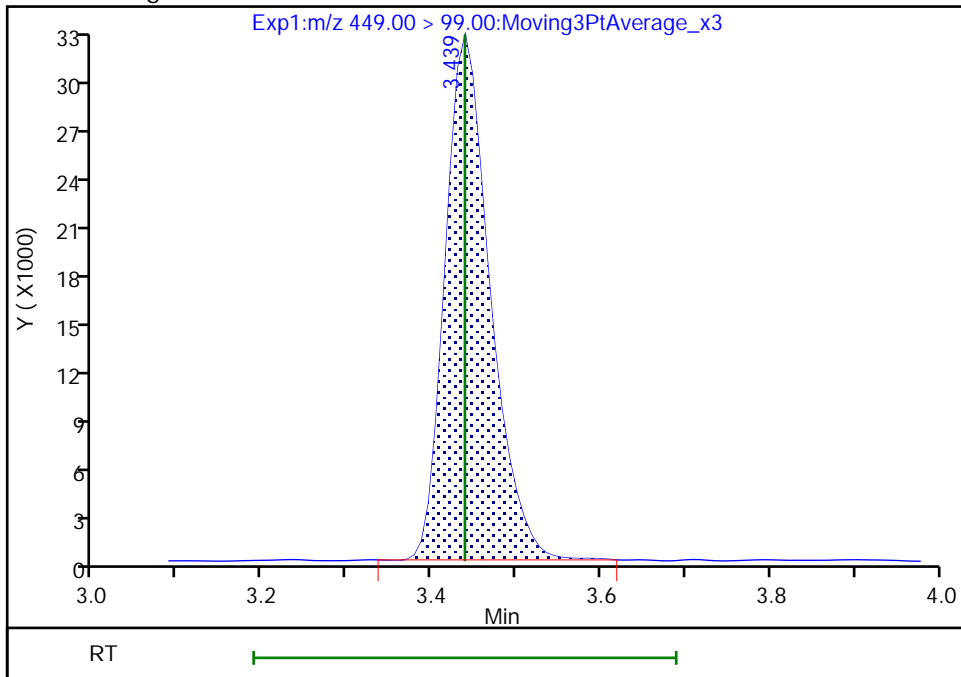
RT: 3.44
Area: 121485
Amount: 0.478403
Amount Units: ng/ml

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

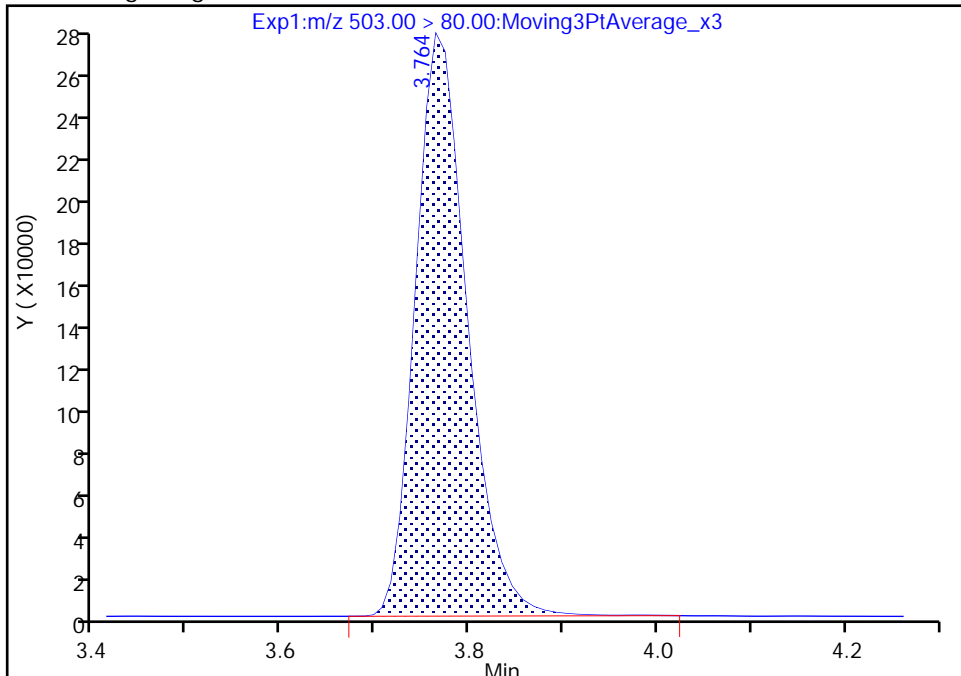
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 18 13C4 PFOS, CAS: STL00991

Signal: 1

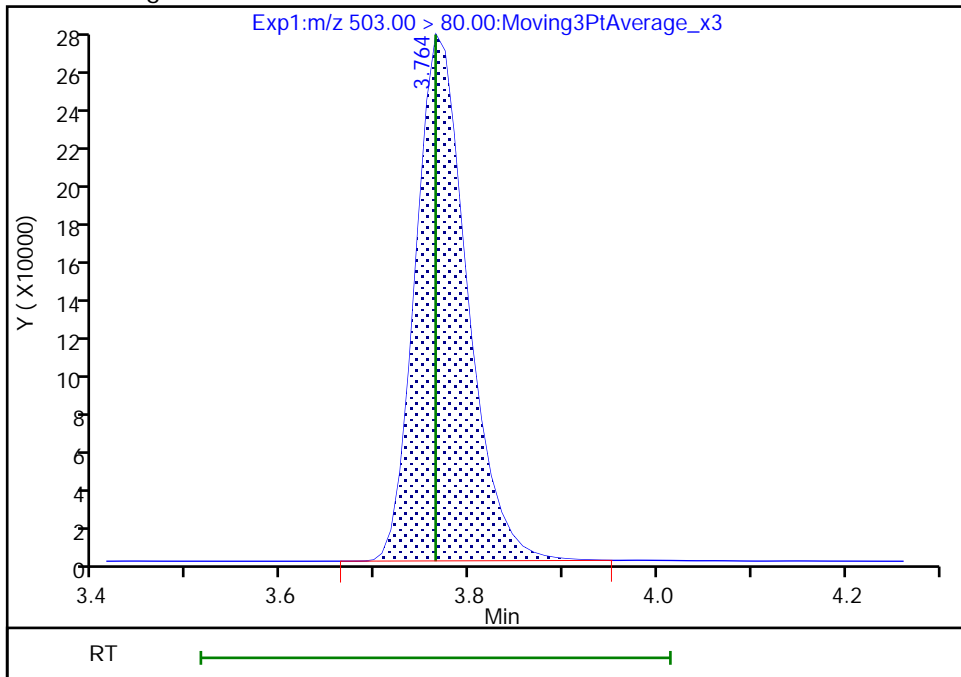
RT: 3.76
Area: 1037255
Amount: 1.197303
Amount Units: ng/ml

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

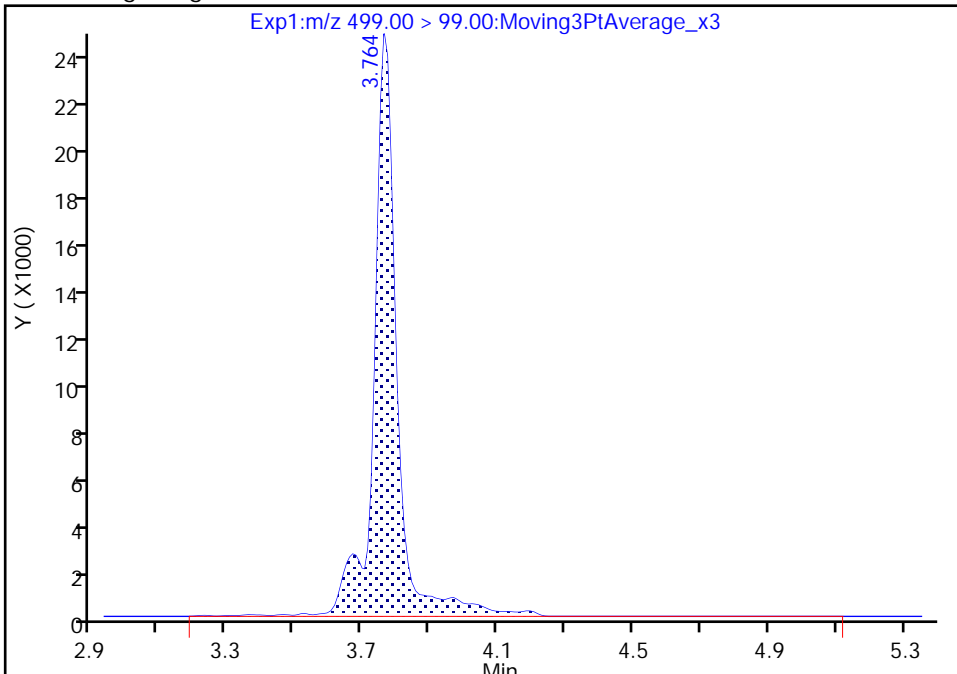
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

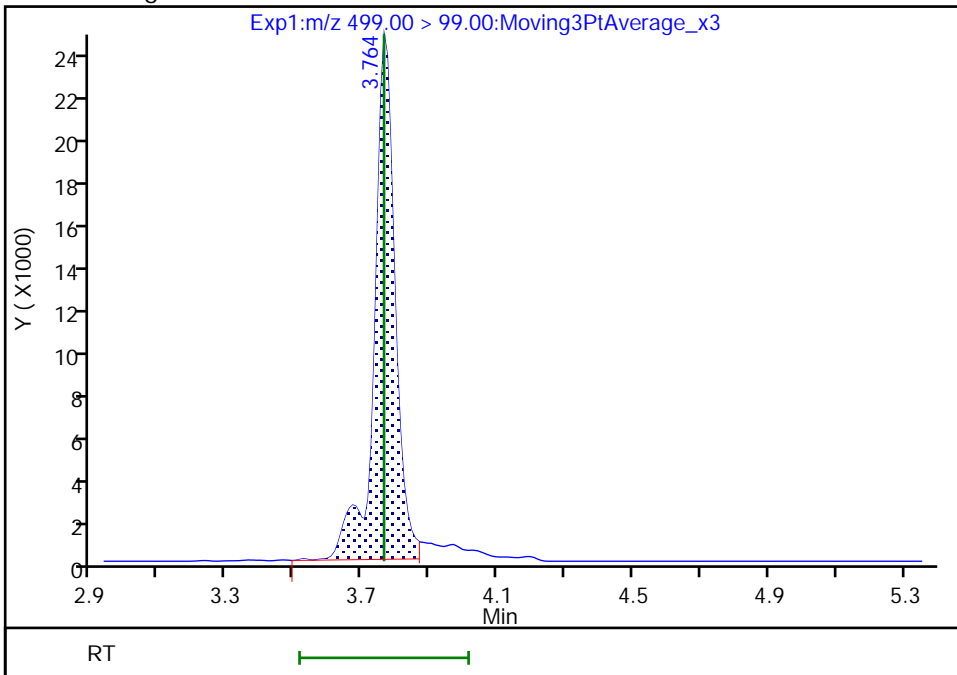
RT: 3.76
Area: 115041
Amount: 0.450182
Amount Units: ng/ml

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

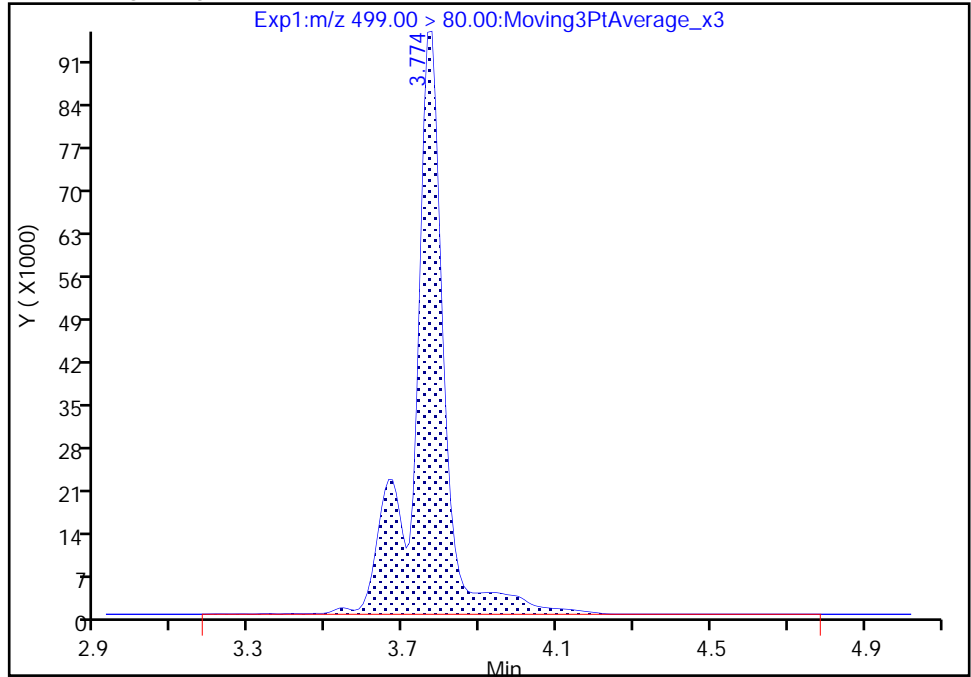
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

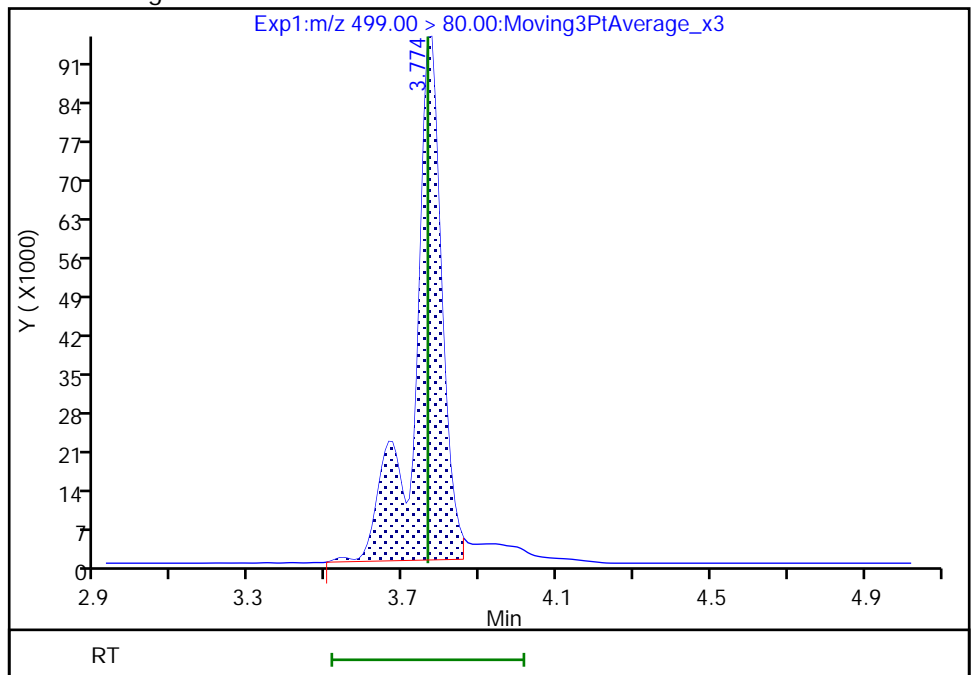
RT: 3.77
Area: 524529
Amount: 0.450182
Amount Units: ng/ml

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

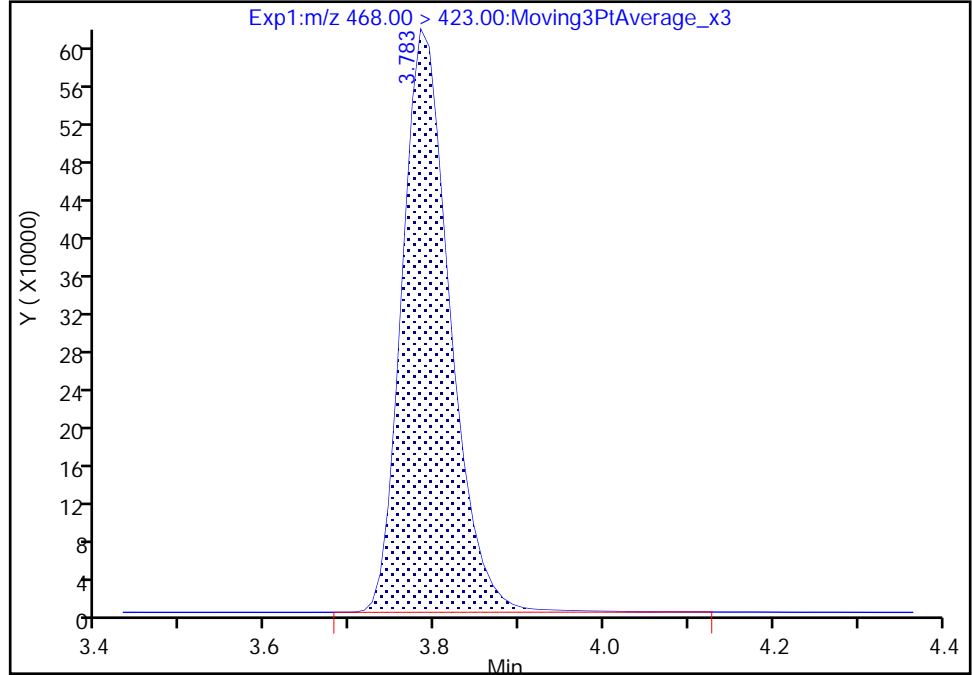
Eurofins Burlington

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

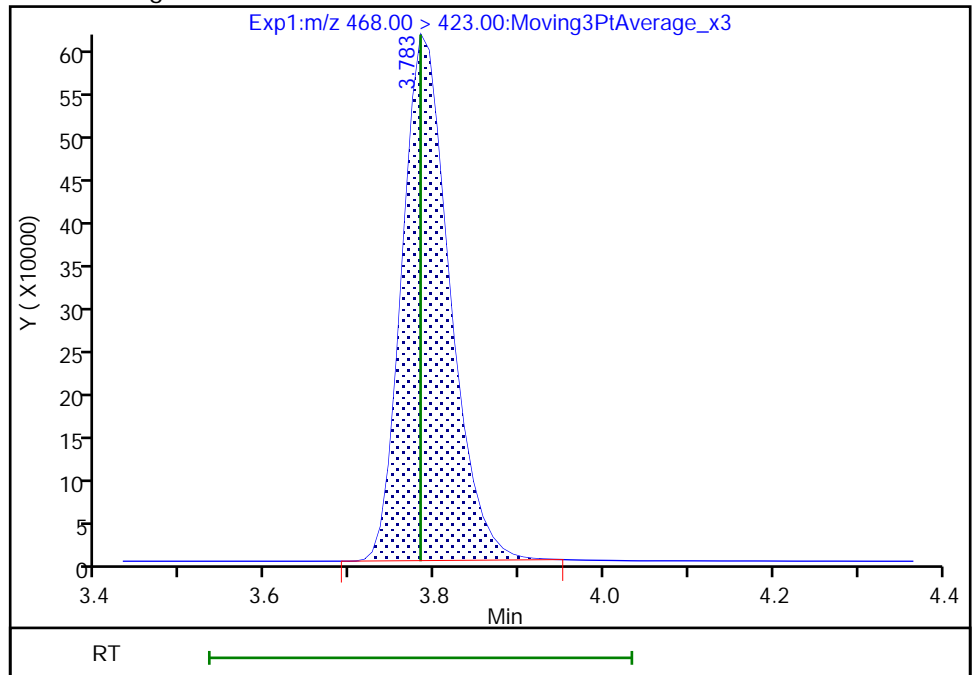
RT: 3.78
Area: 2398141
Amount: 1.248889
Amount Units: ng/ml

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

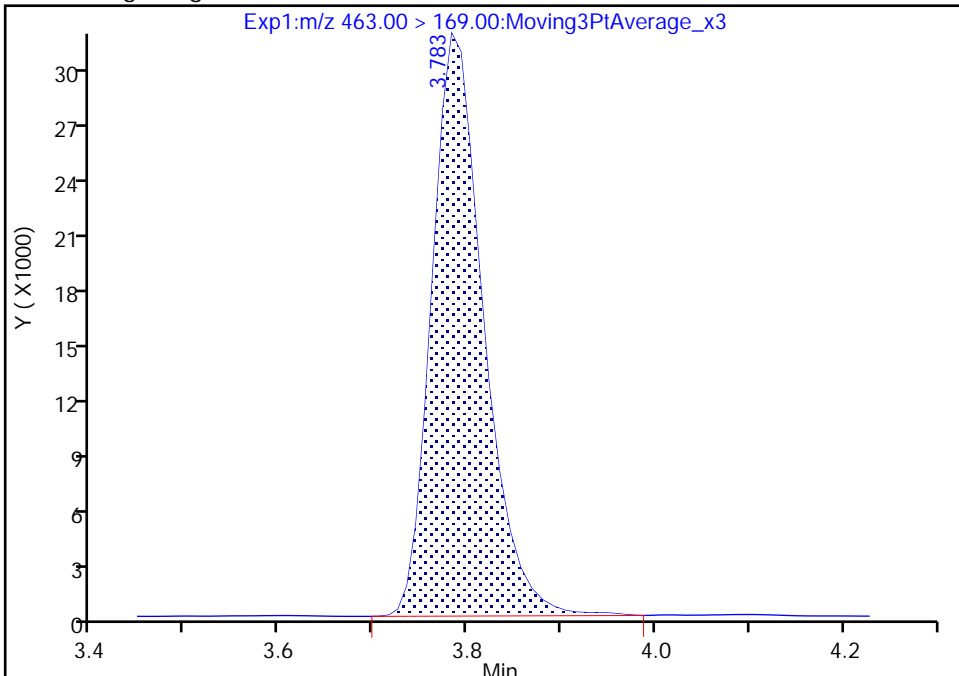
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

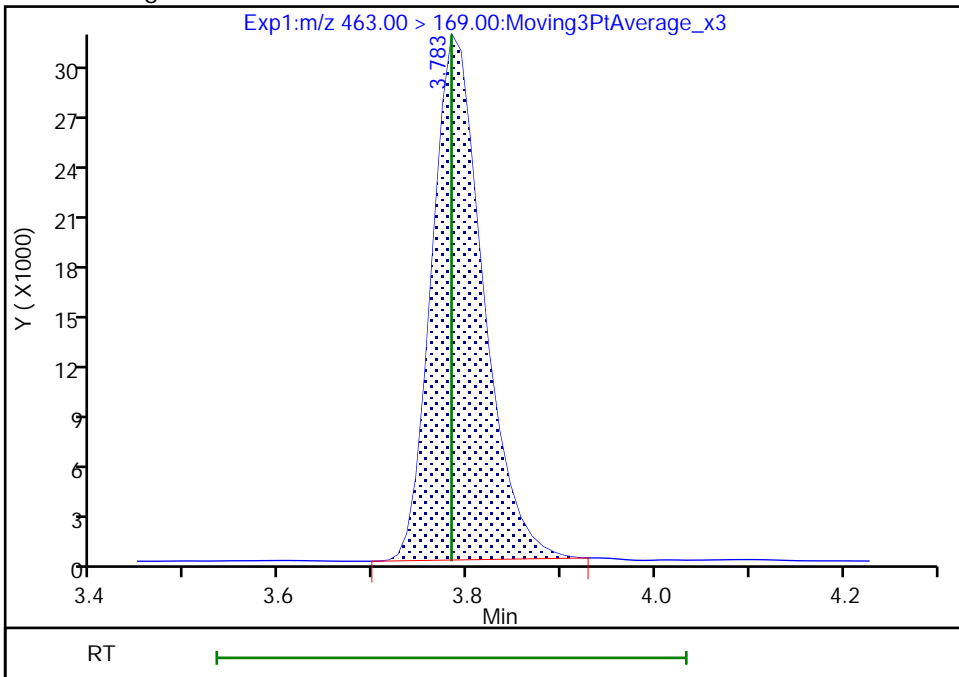
RT: 3.78
Area: 120127
Amount: 0.507644
Amount Units: ng/ml

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

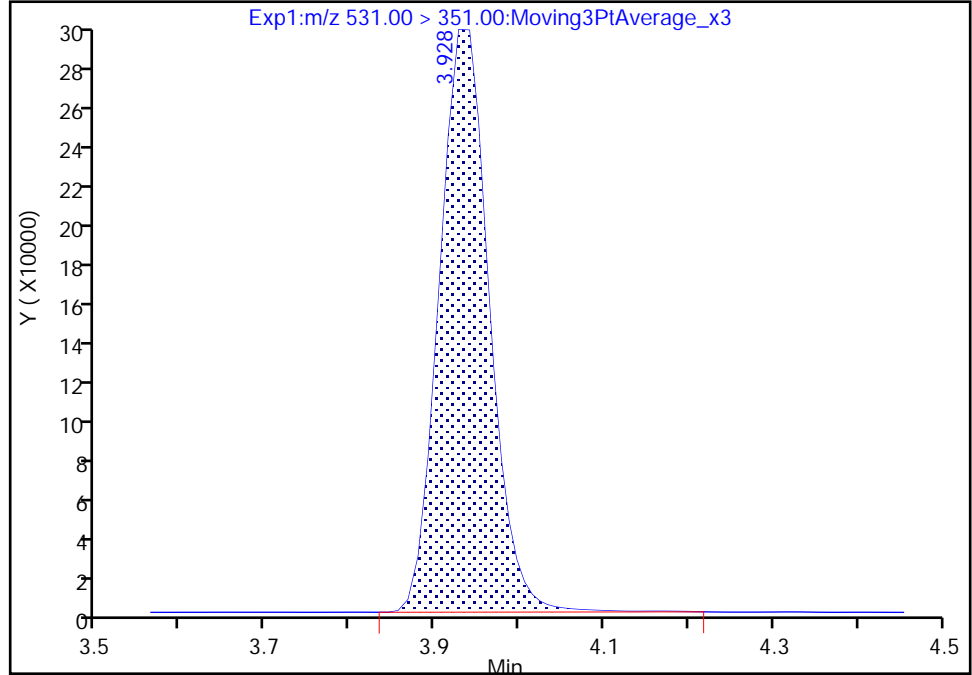
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

69 9-Chlorohexadecafluoro-3-oxanona, CAS: 756426-58-1

Signal: 1

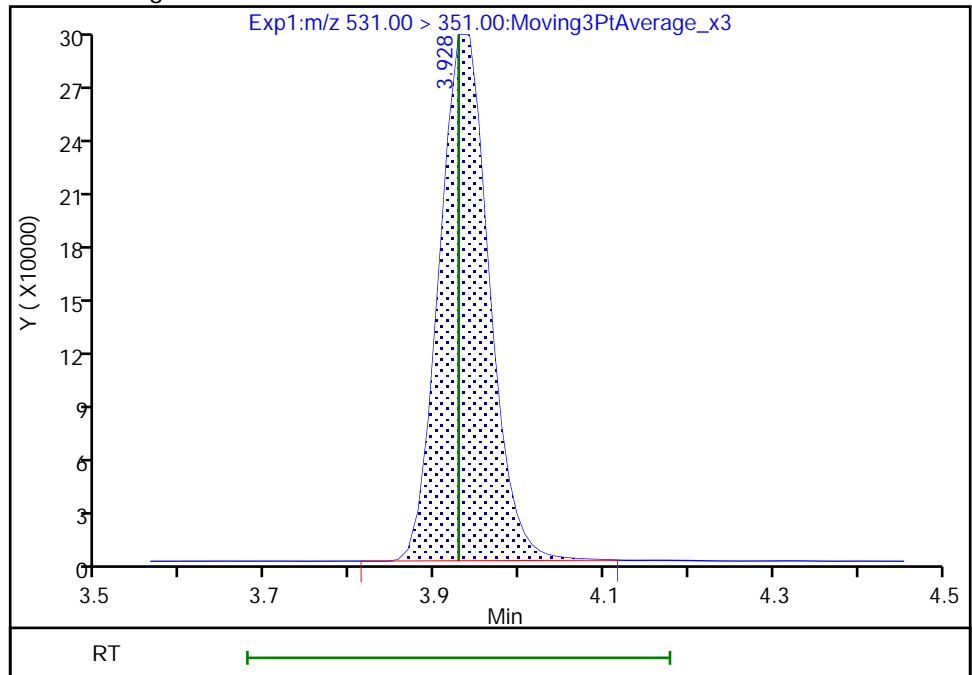
RT: 3.93
Area: 1196218
Amount: 0.468080
Amount Units: ng/ml

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

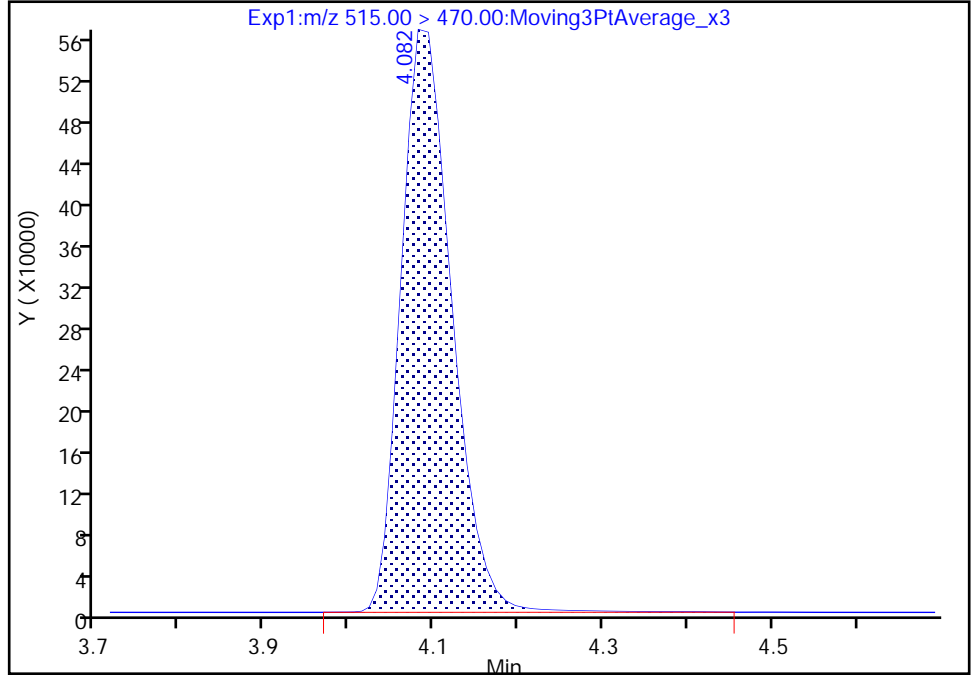
Eurofins Burlington

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

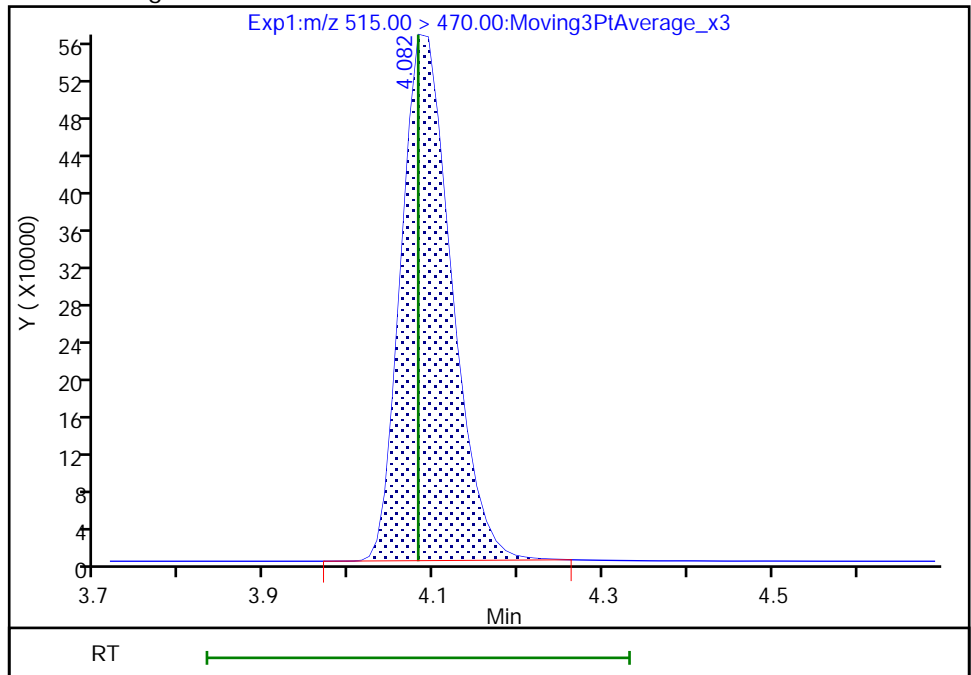
RT: 4.08
Area: 2353187
Amount: 1.223652
Amount Units: ng/ml

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
Page 228 of 939

Eurofins Burlington

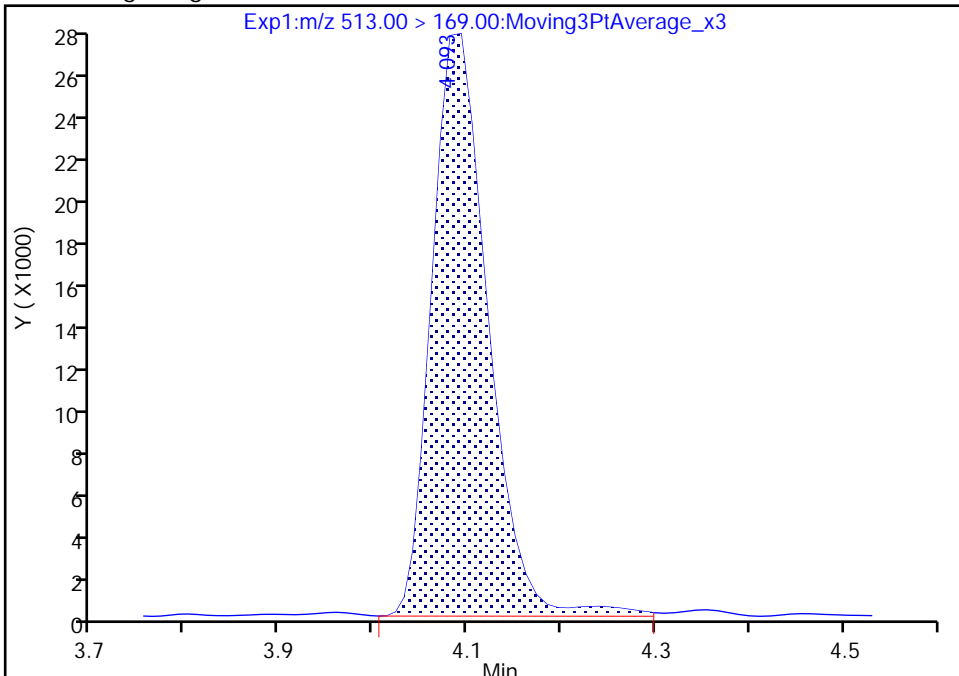
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

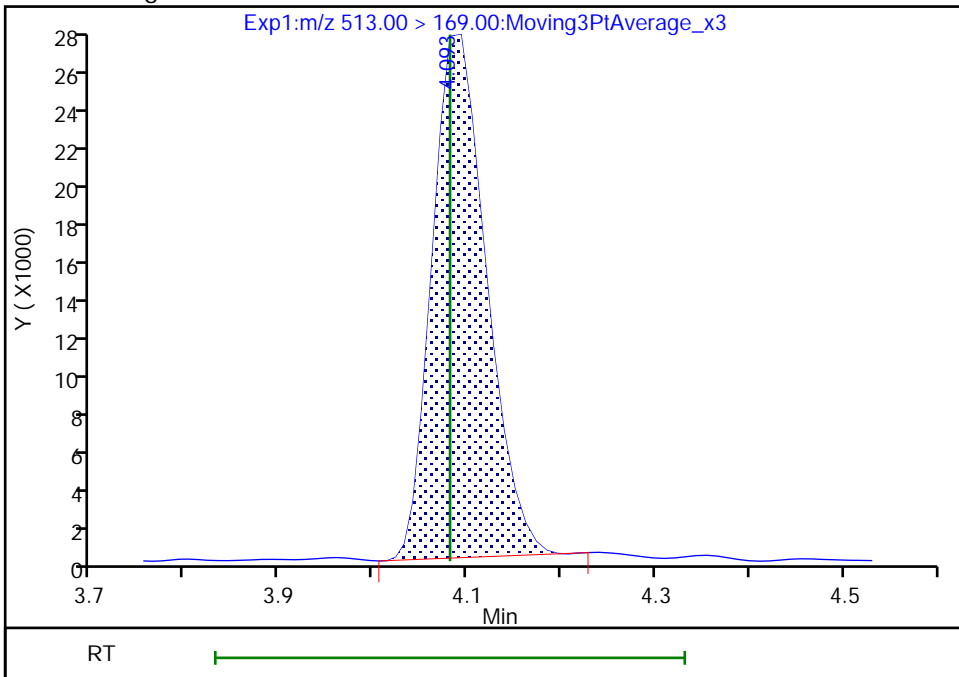
RT: 4.09
Area: 112536
Amount: 0.535825
Amount Units: ng/ml

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

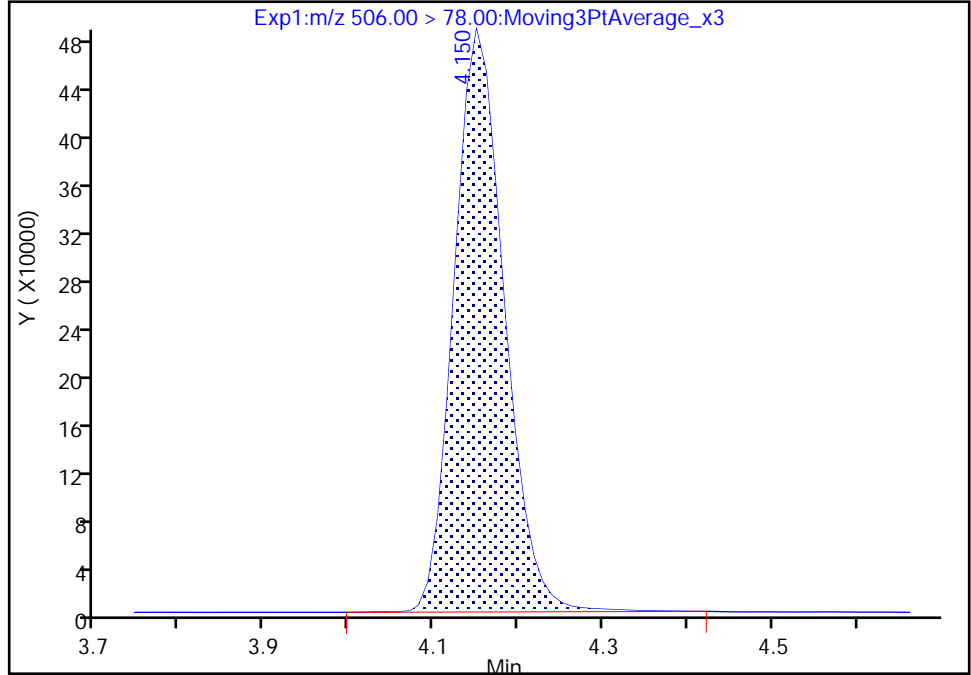
Eurofins Burlington

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

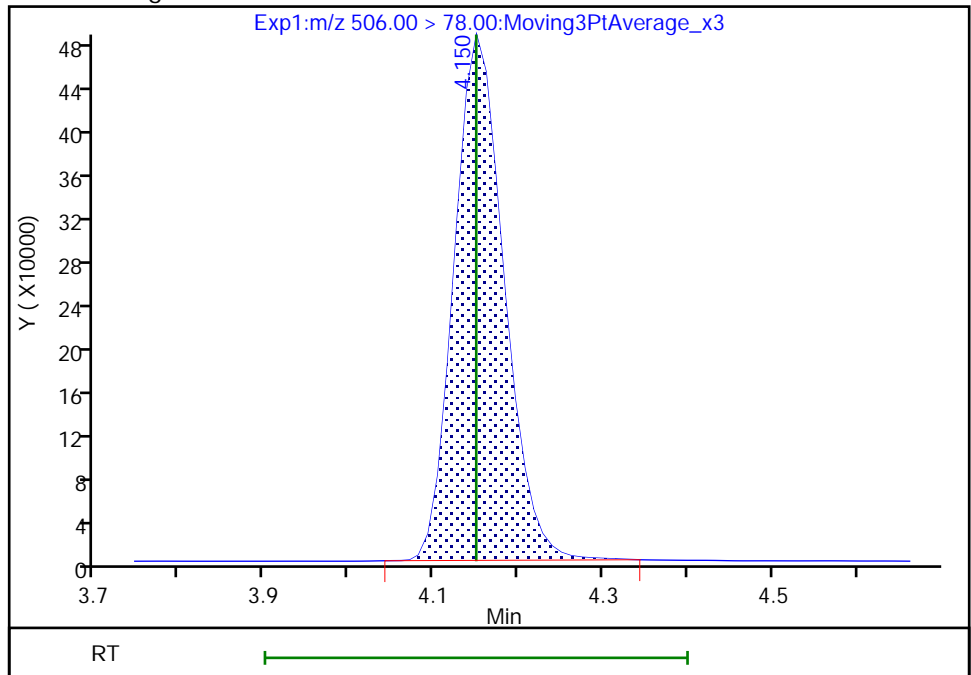
RT: 4.15
Area: 1977863
Amount: 1.249599
Amount Units: ng/ml

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
Page 230 of 939

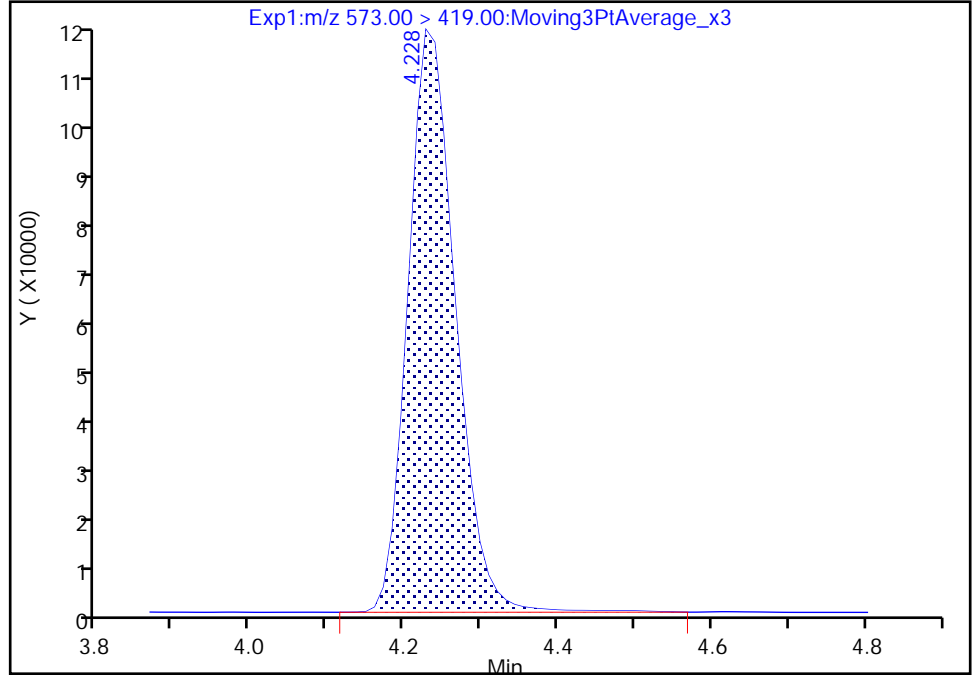
Eurofins Burlington

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

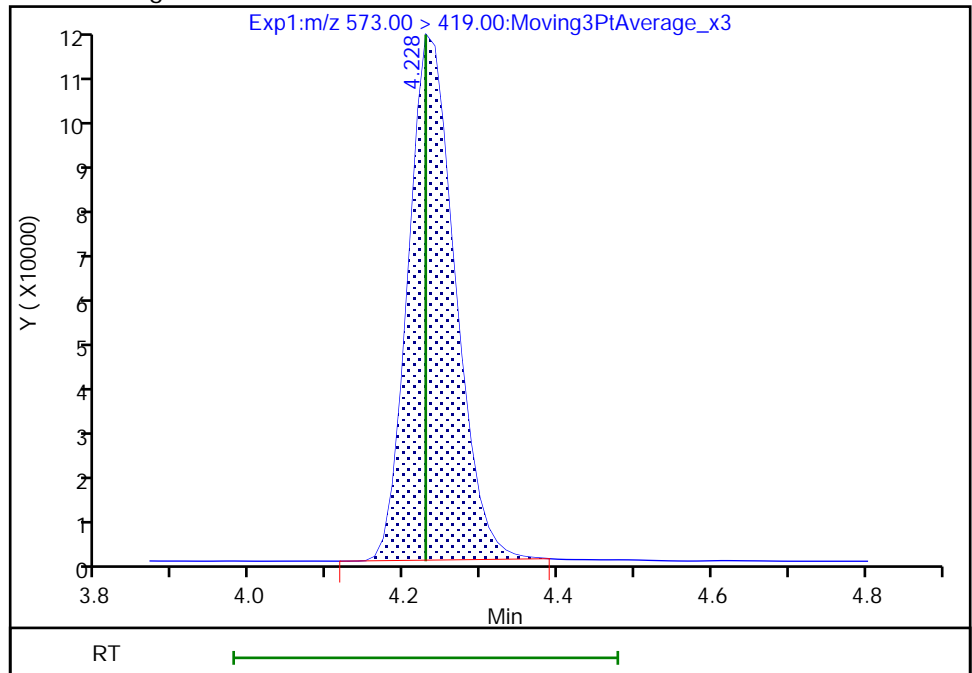
RT: 4.23
Area: 472648
Amount: 1.220892
Amount Units: ng/ml

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
Page 231 of 939

Eurofins Burlington

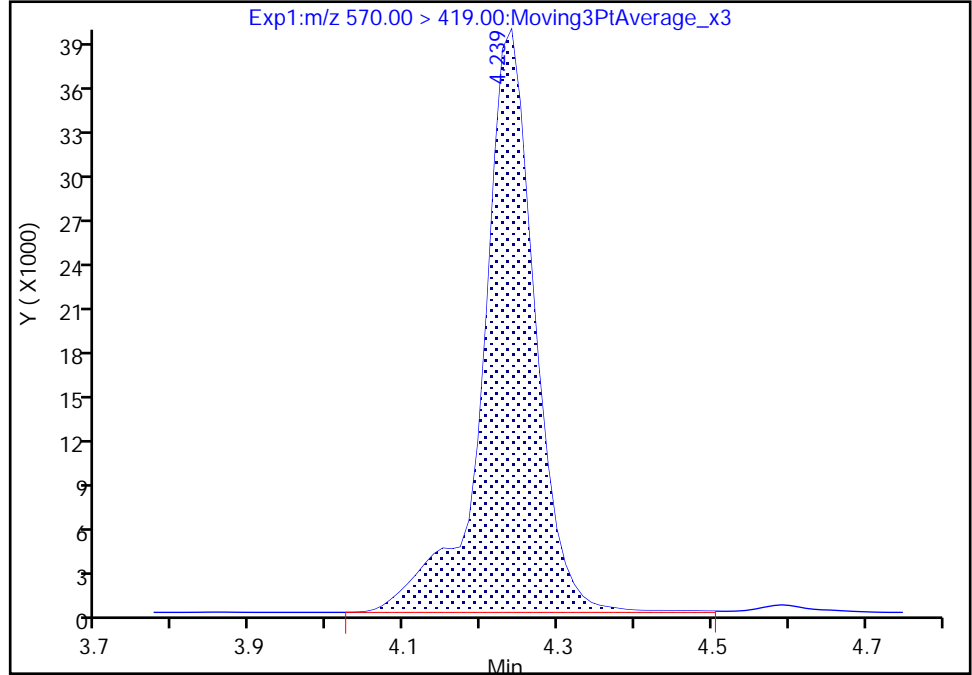
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

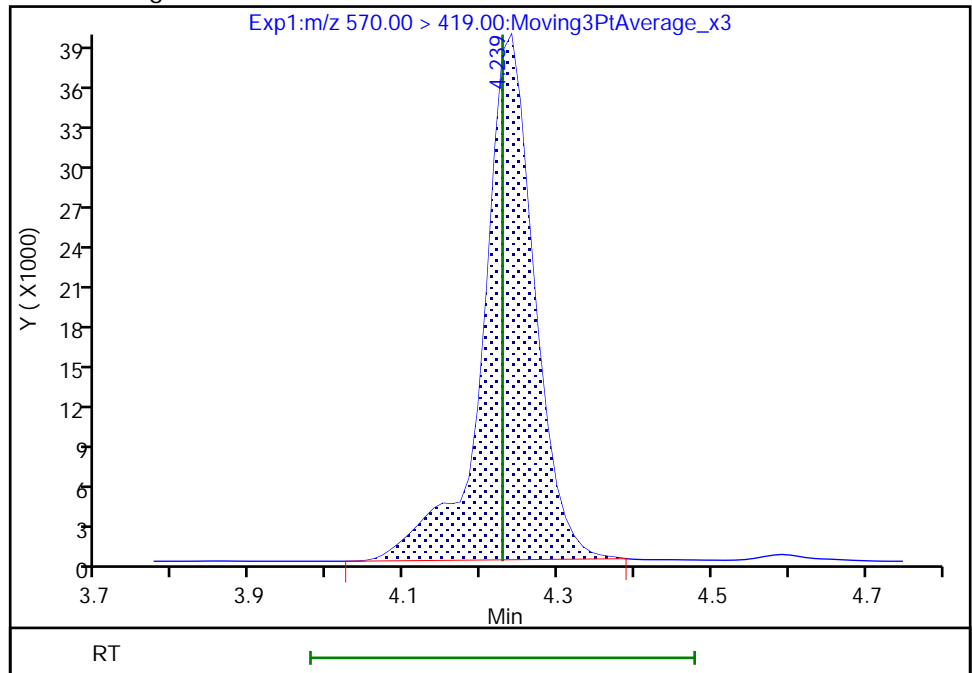
RT: 4.24
Area: 186349
Amount: 0.510442
Amount Units: ng/ml

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

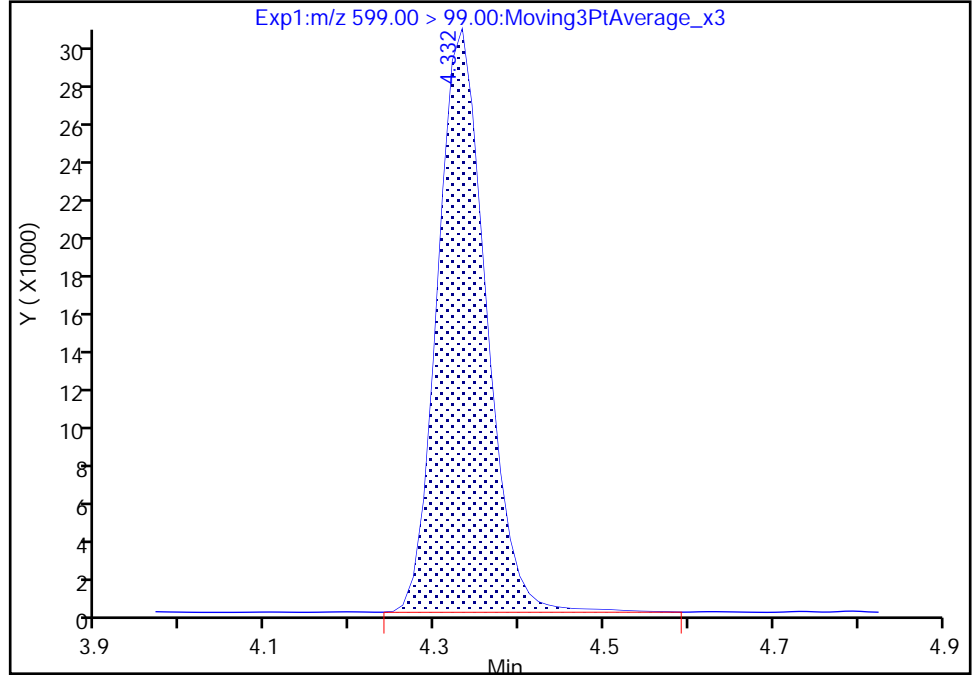
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

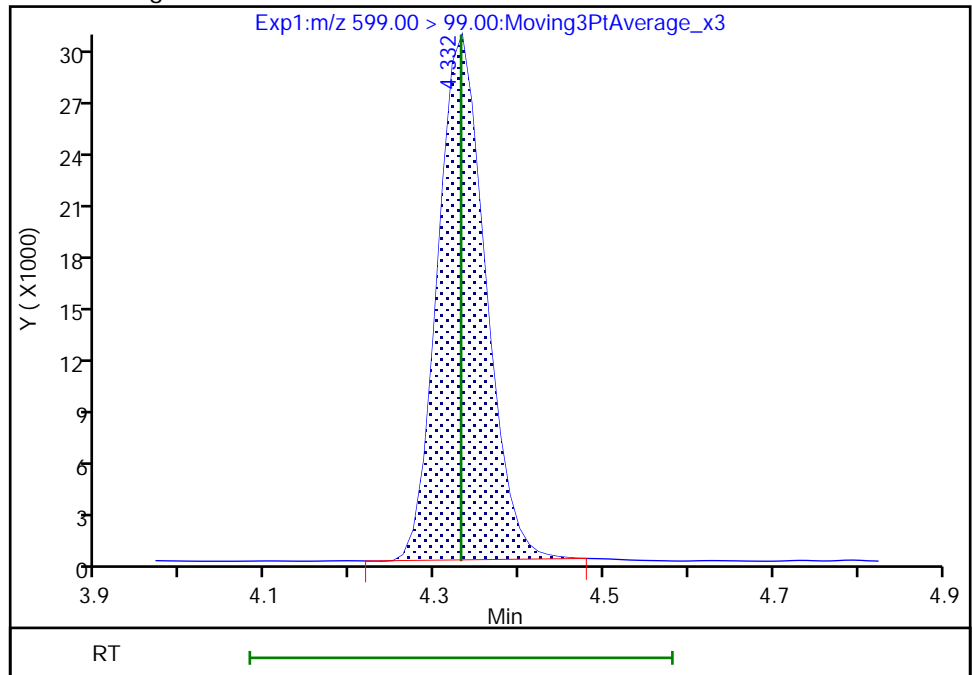
RT: 4.33
Area: 122520
Amount: 0.495943
Amount Units: ng/ml

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

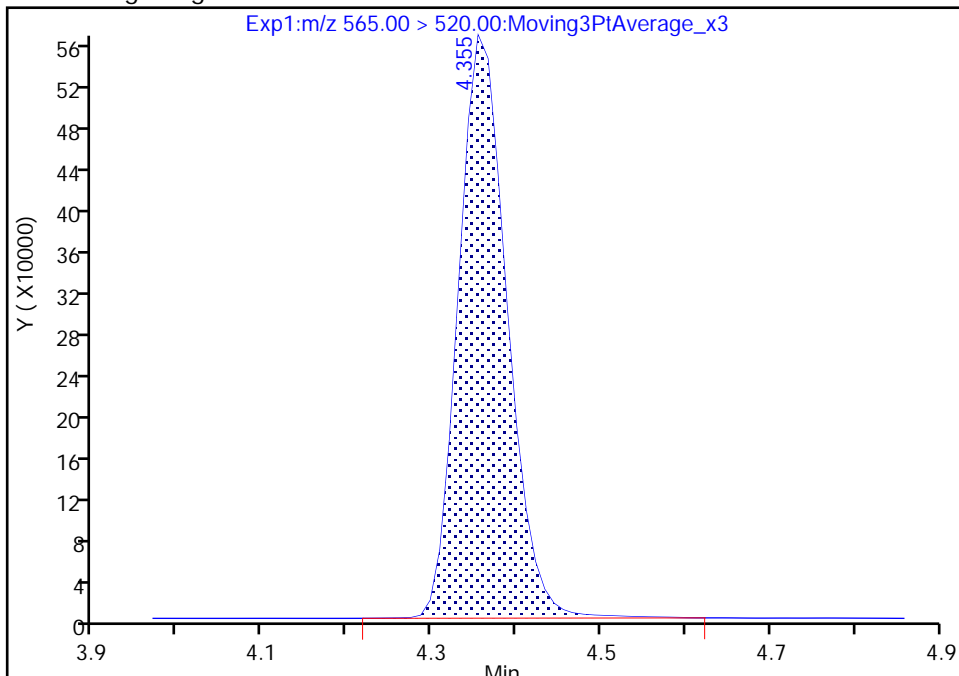
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

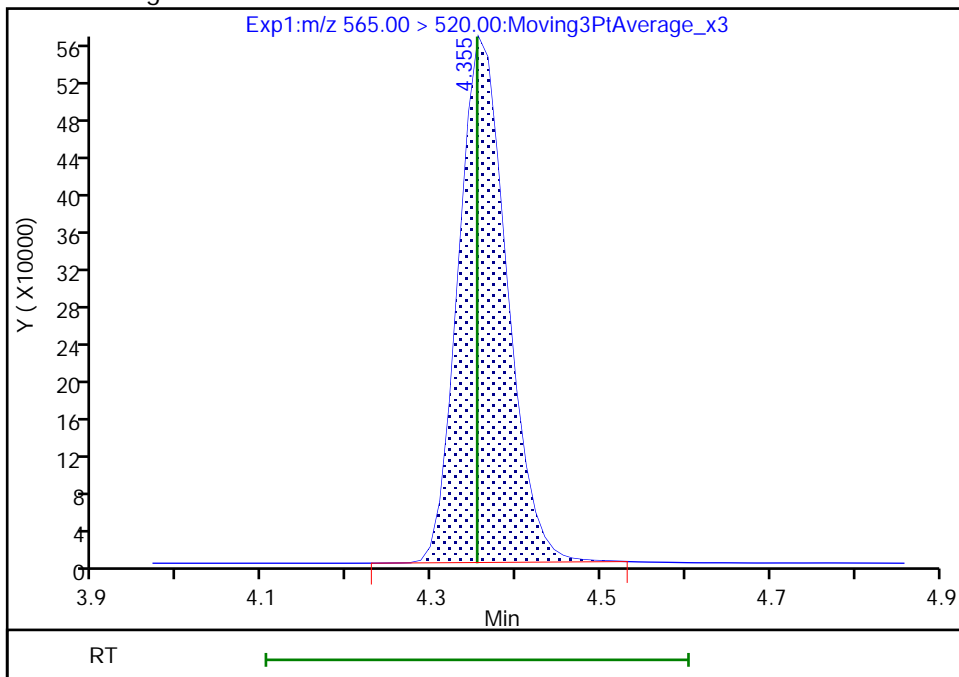
RT: 4.35
Area: 2246233
Amount: 1.255521
Amount Units: ng/ml

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

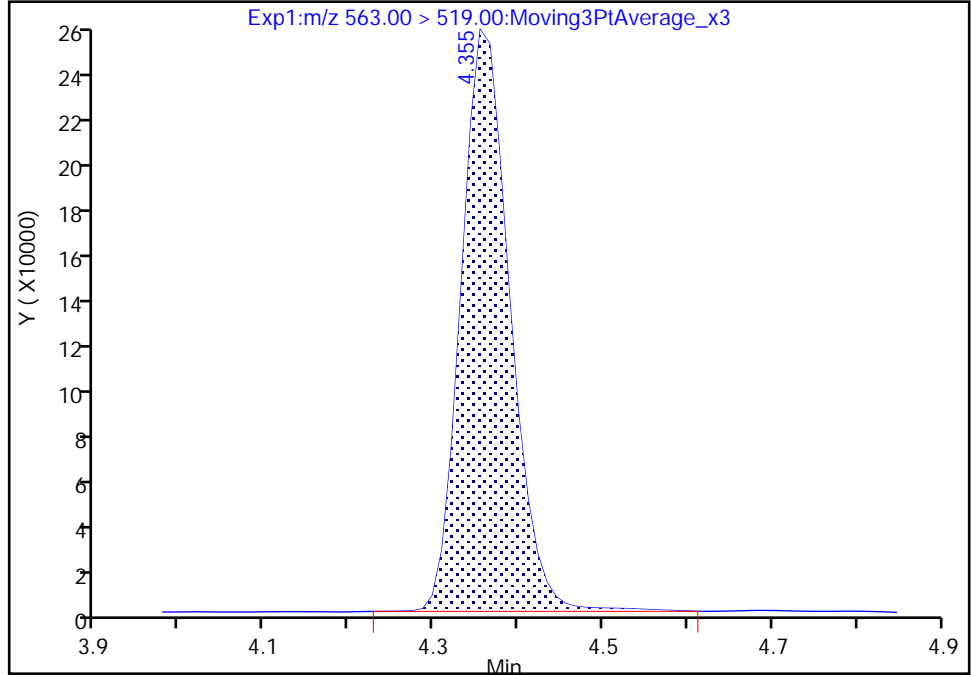
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

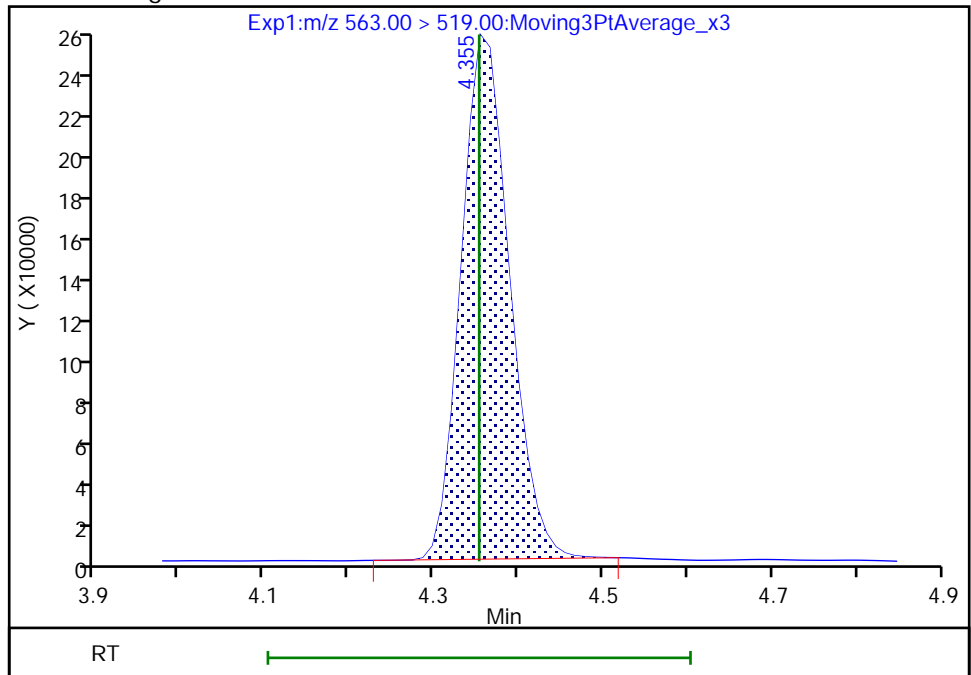
RT: 4.35
Area: 1019546
Amount: 0.528294
Amount Units: ng/ml

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

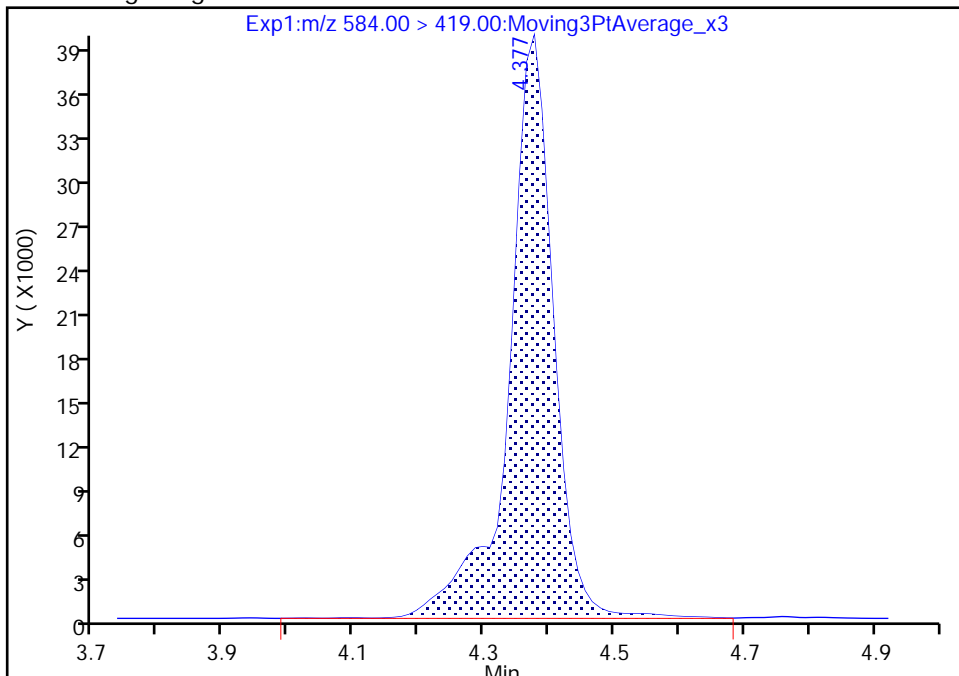
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

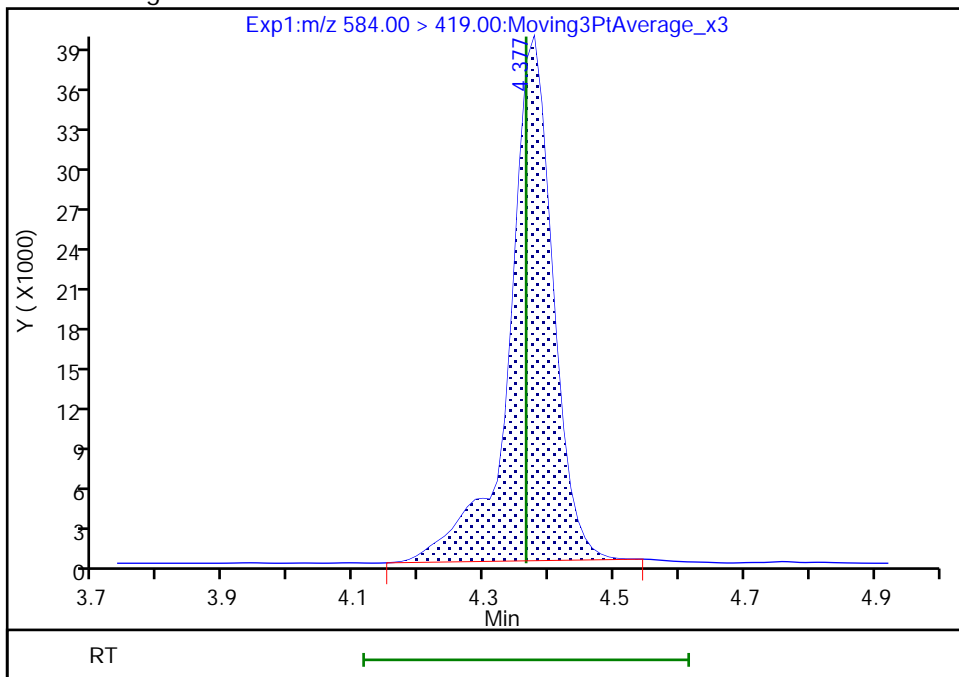
RT: 4.38
Area: 187455
Amount: 0.493834
Amount Units: ng/ml

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

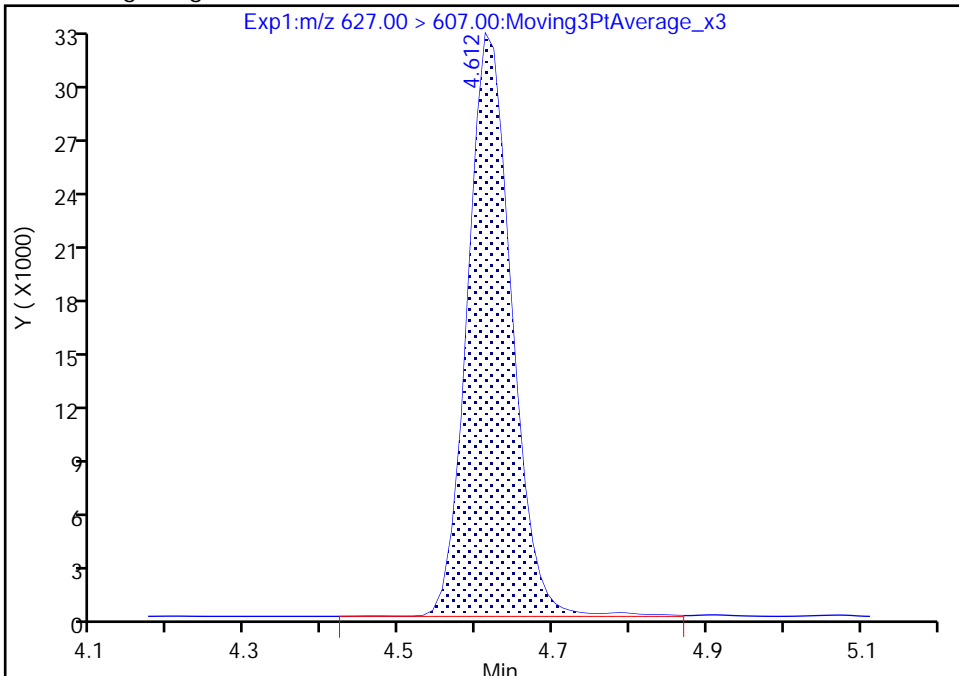
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

74 1H,1H,2H,2H-perfluorododecanesul, CAS: 120226-60-0

Signal: 1

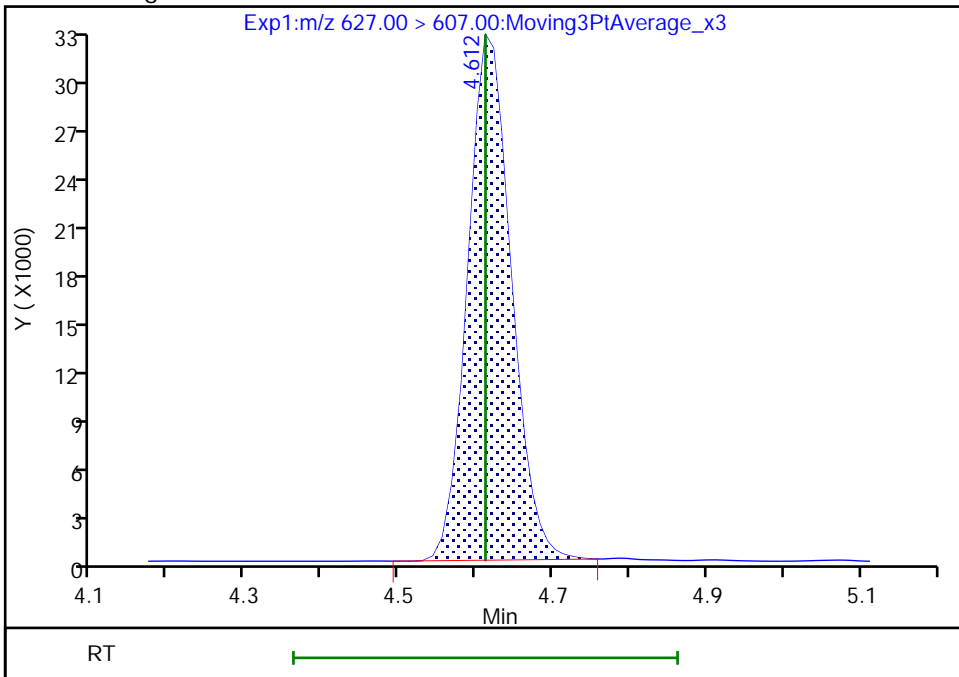
RT: 4.61
Area: 127475
Amount: 0.468658
Amount Units: ng/ml

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

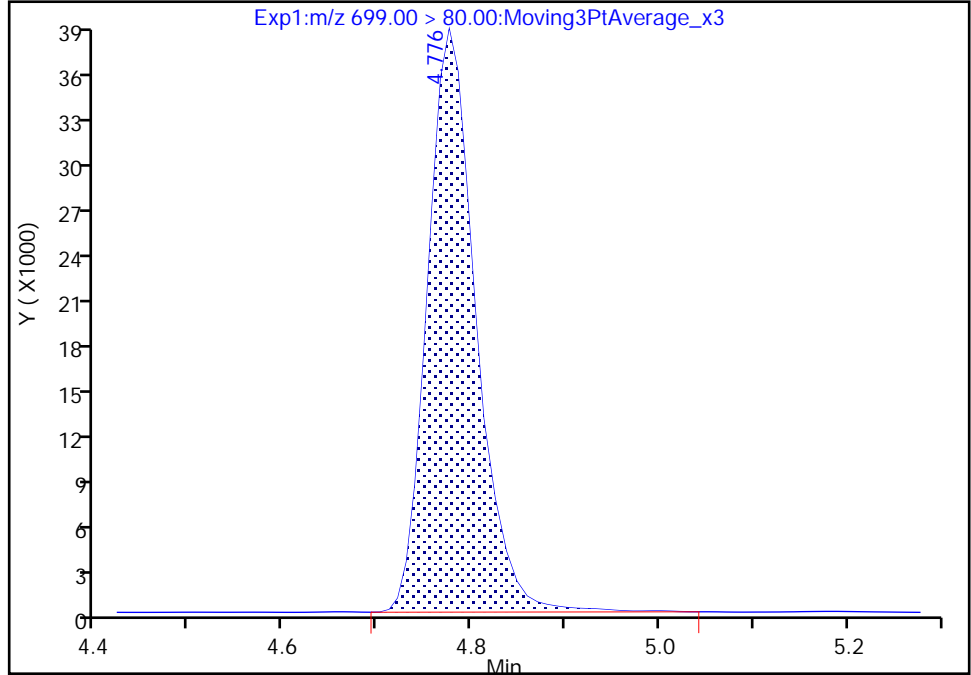
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

75 Perfluorododecanesulfonic acid (, CAS: 79780-39-5

Signal: 1

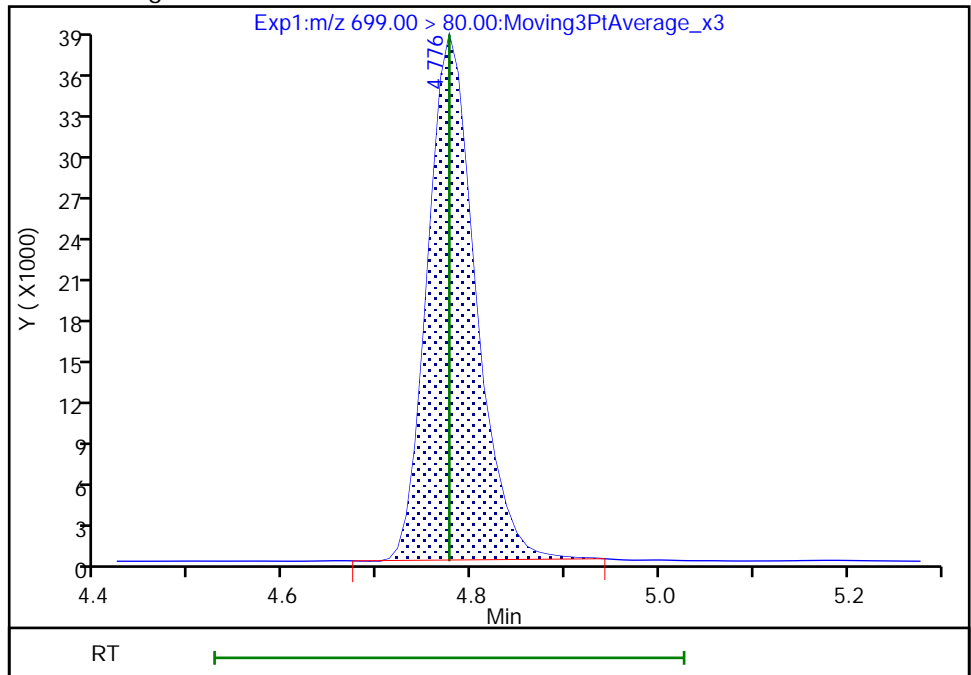
RT: 4.78
Area: 137382
Amount: 0.488107
Amount Units: ng/ml

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

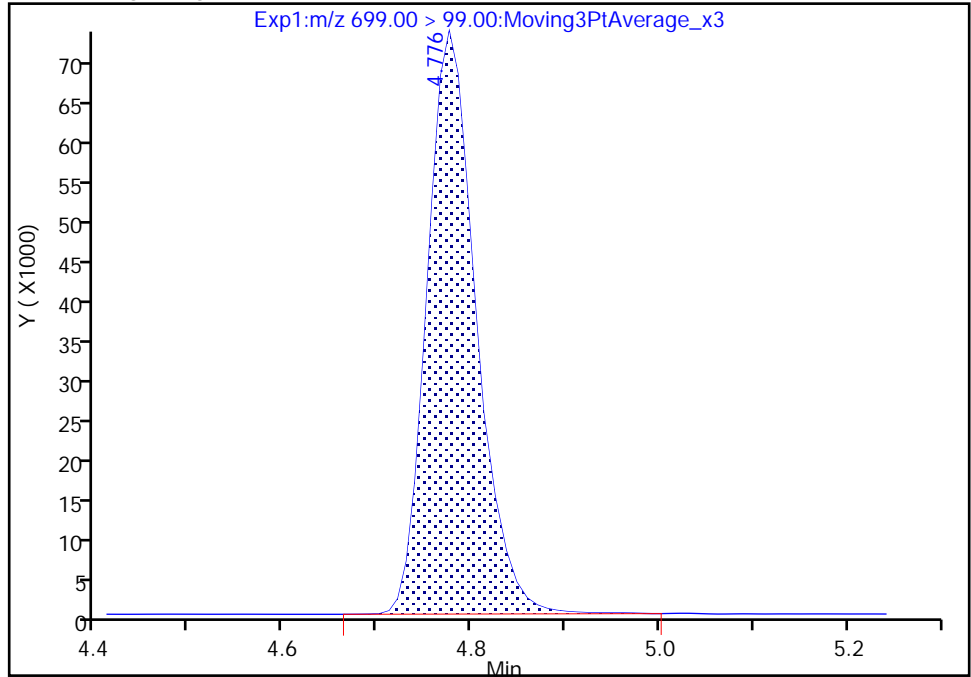
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

75 Perfluorododecanesulfonic acid (, CAS: 79780-39-5

Signal: 2

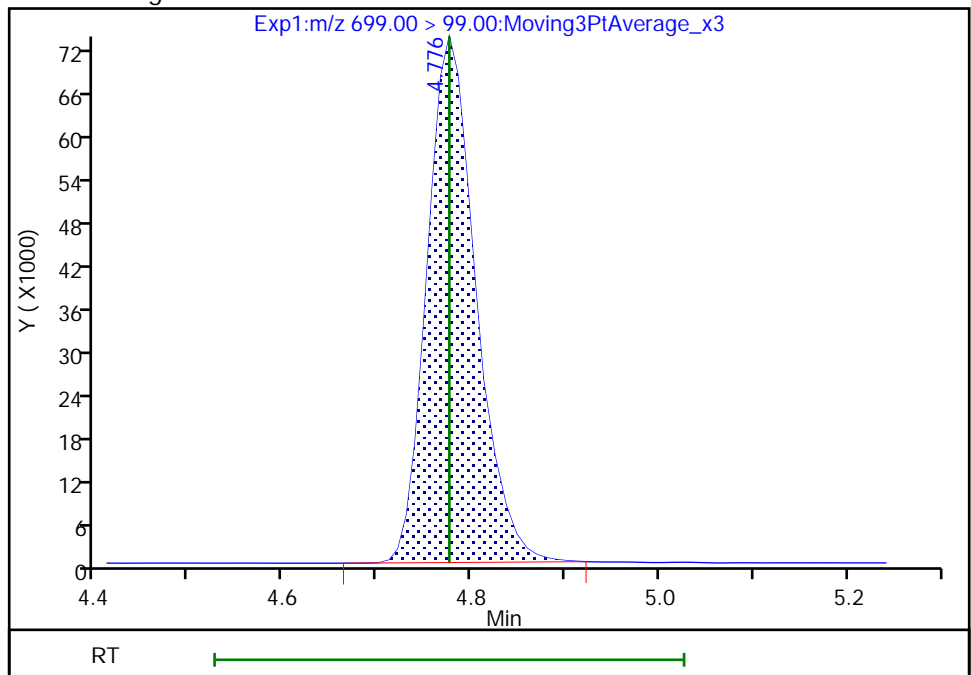
RT: 4.78
Area: 265617
Amount: 0.488107
Amount Units: ng/ml

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

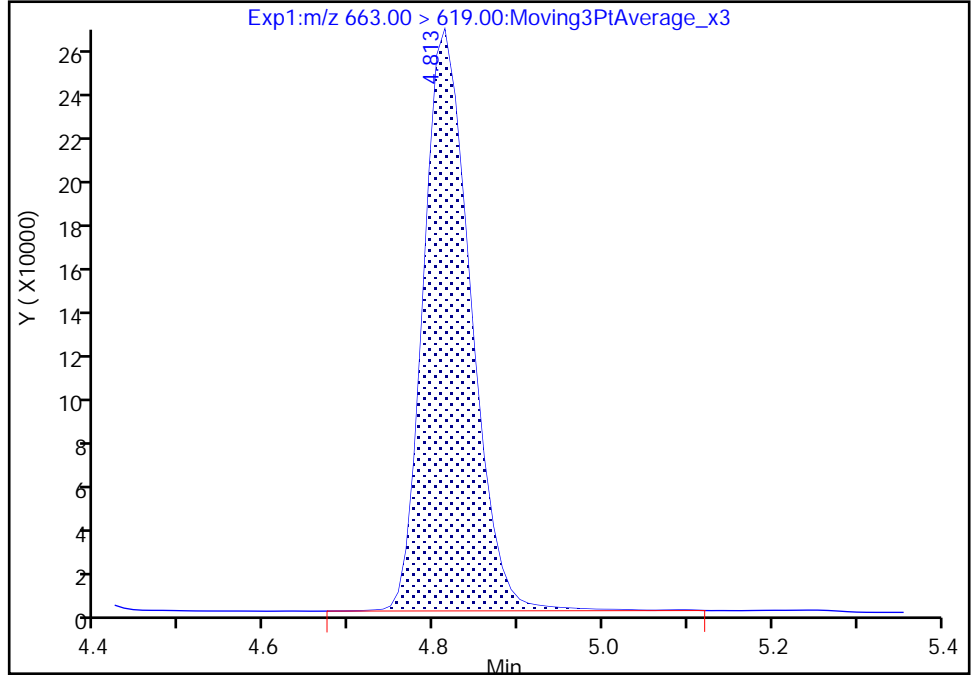
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

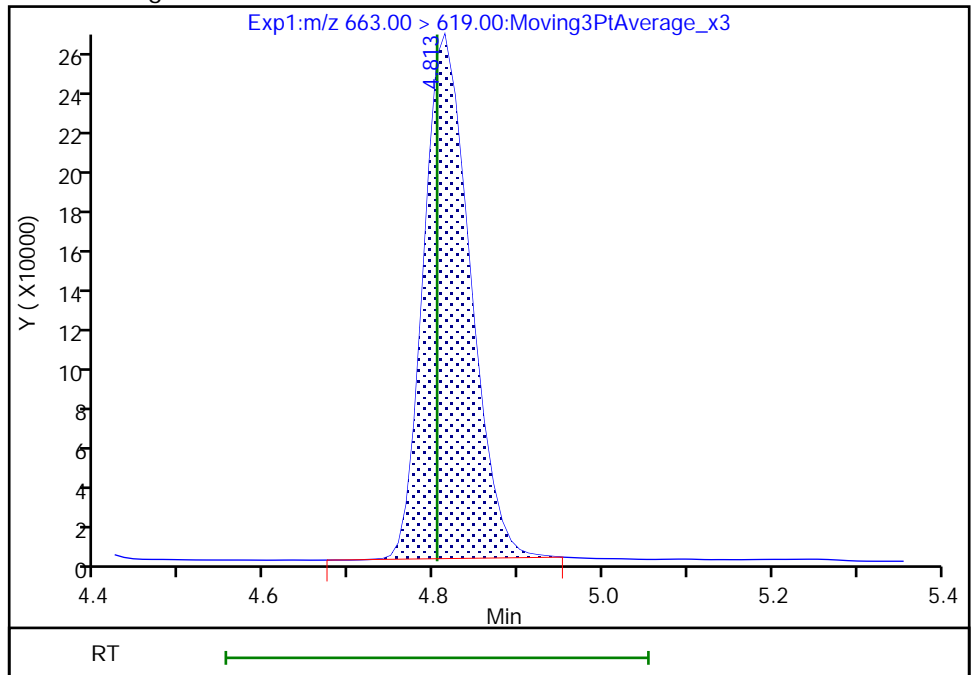
RT: 4.81
Area: 1002946
Amount: 0.507432
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 987678
Amount: 0.542529
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

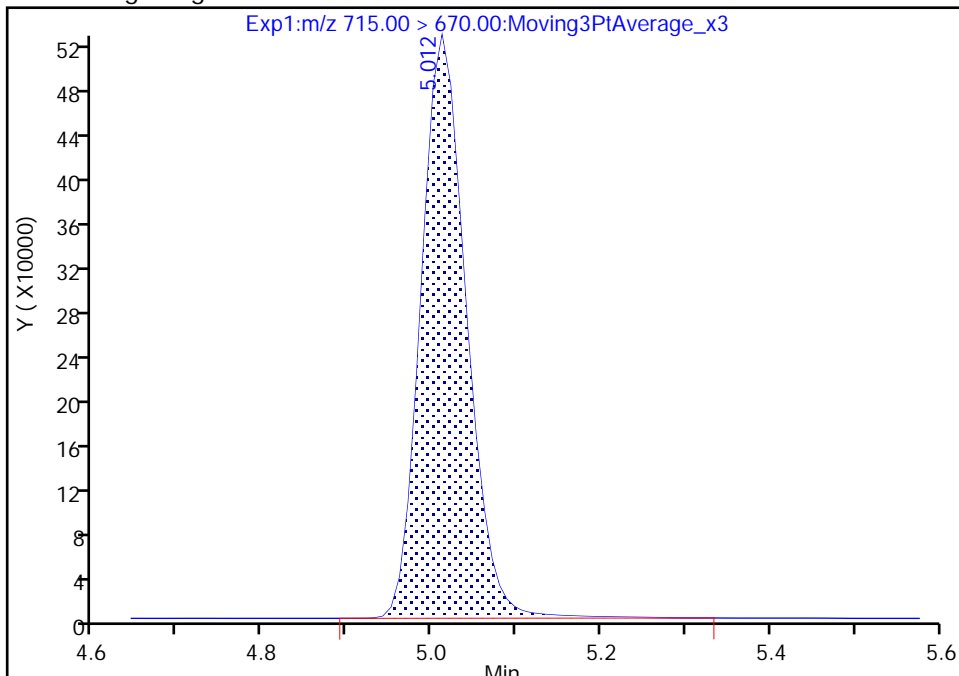
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

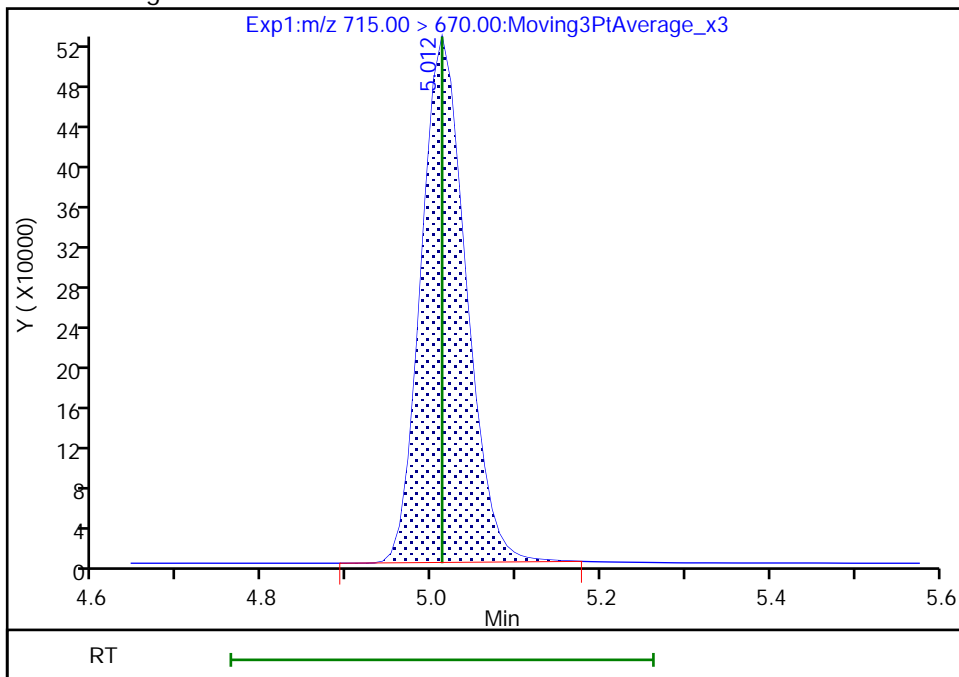
RT: 5.01
Area: 1966556
Amount: 1.245759
Amount Units: ng/ml

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

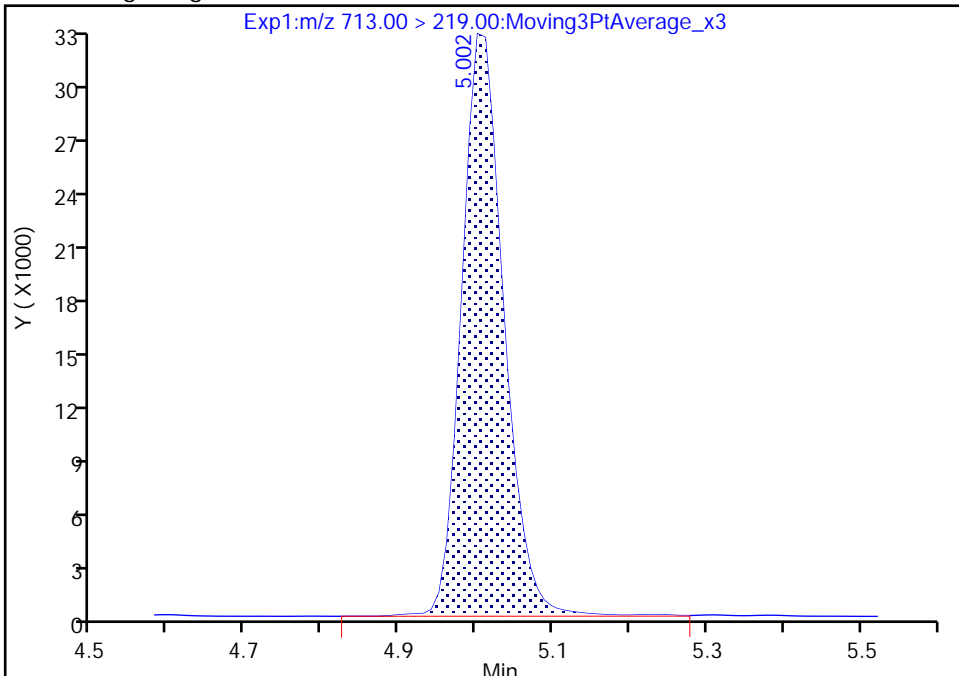
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

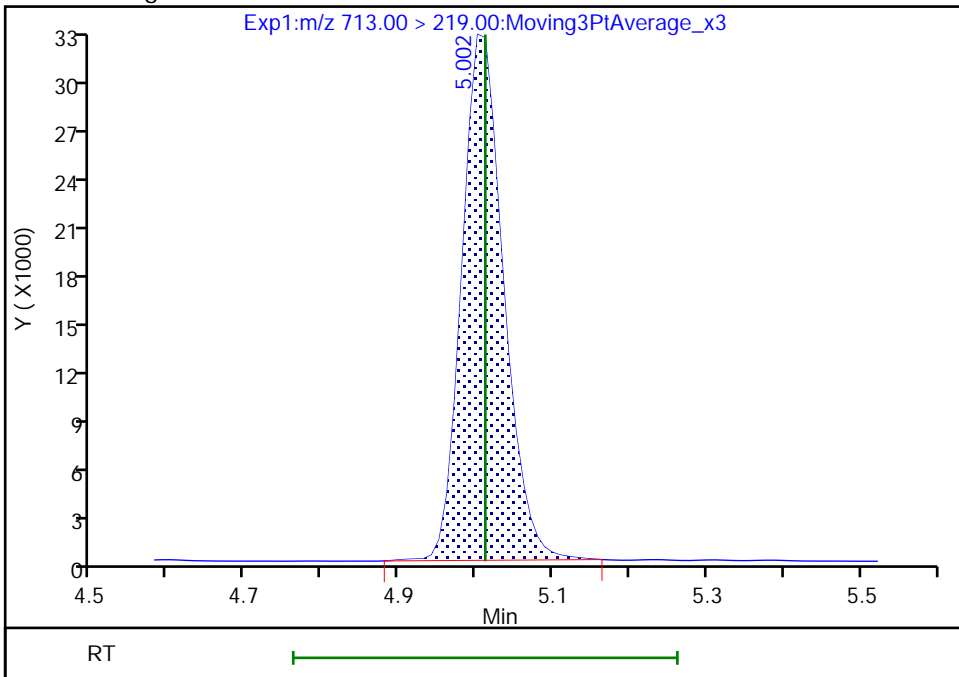
RT: 5.00
Area: 121696
Amount: 0.499944
Amount Units: ng/ml

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
Page 242 of 939

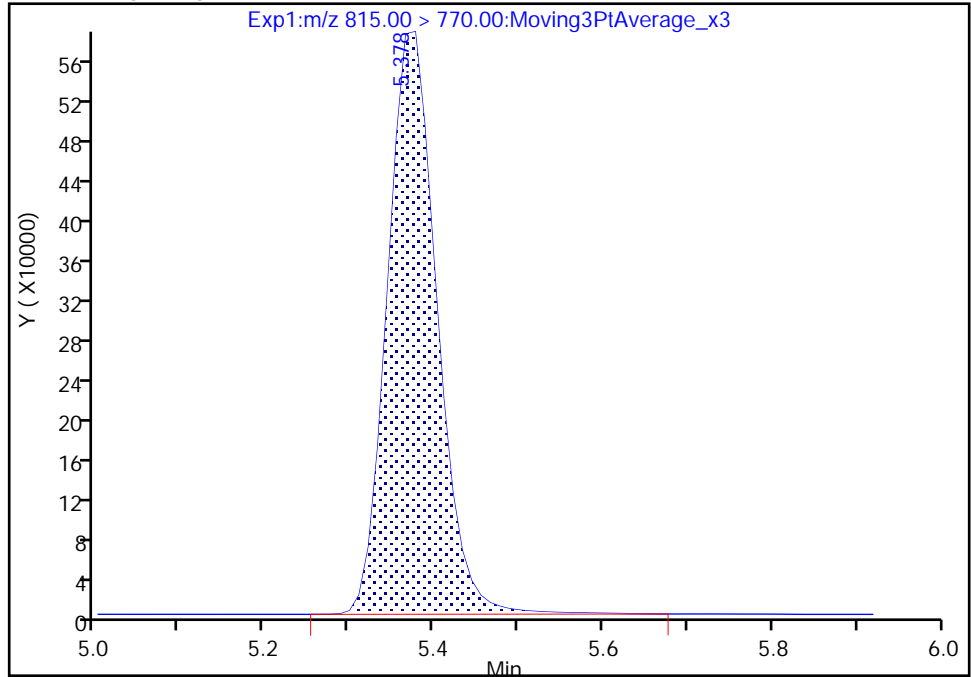
Eurofins Burlington

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

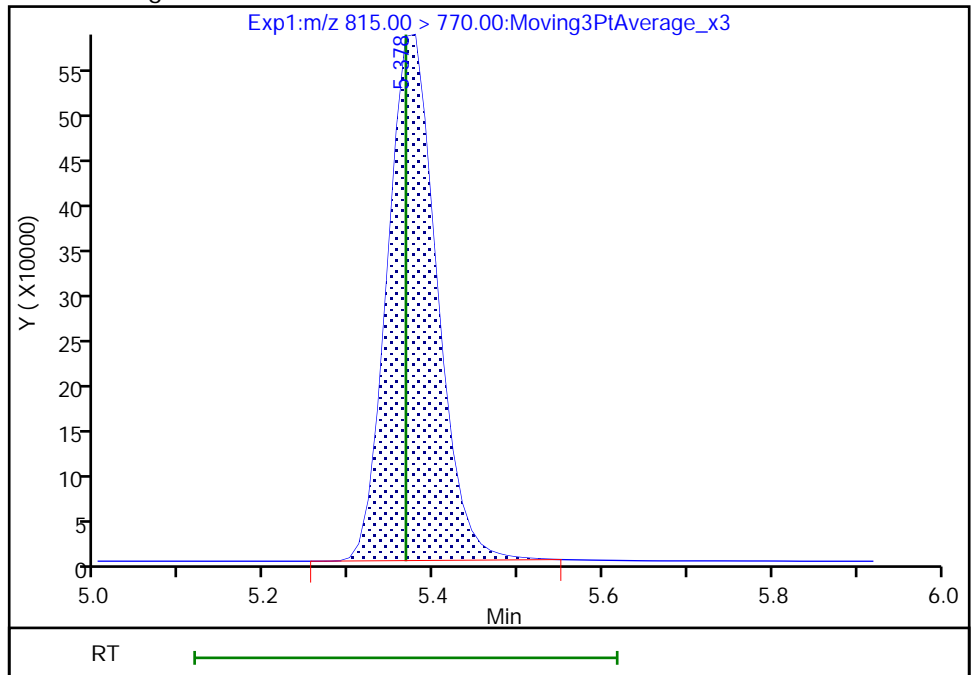
RT: 5.38
Area: 2367322
Amount: 1.213410
Amount Units: ng/ml

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

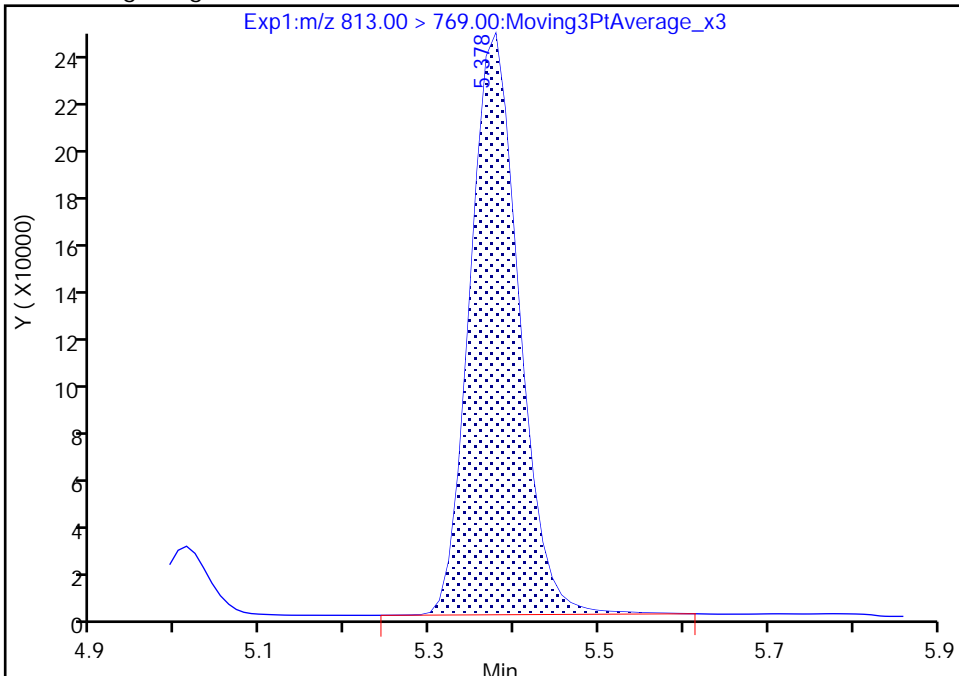
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

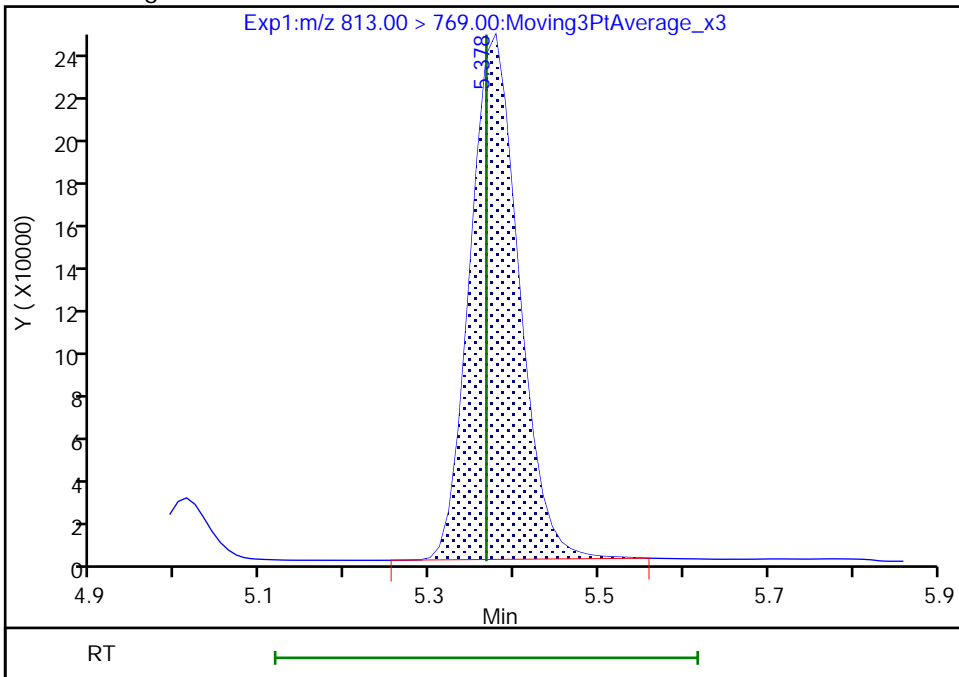
RT: 5.38
Area: 983409
Amount: 0.501394
Amount Units: ng/ml

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

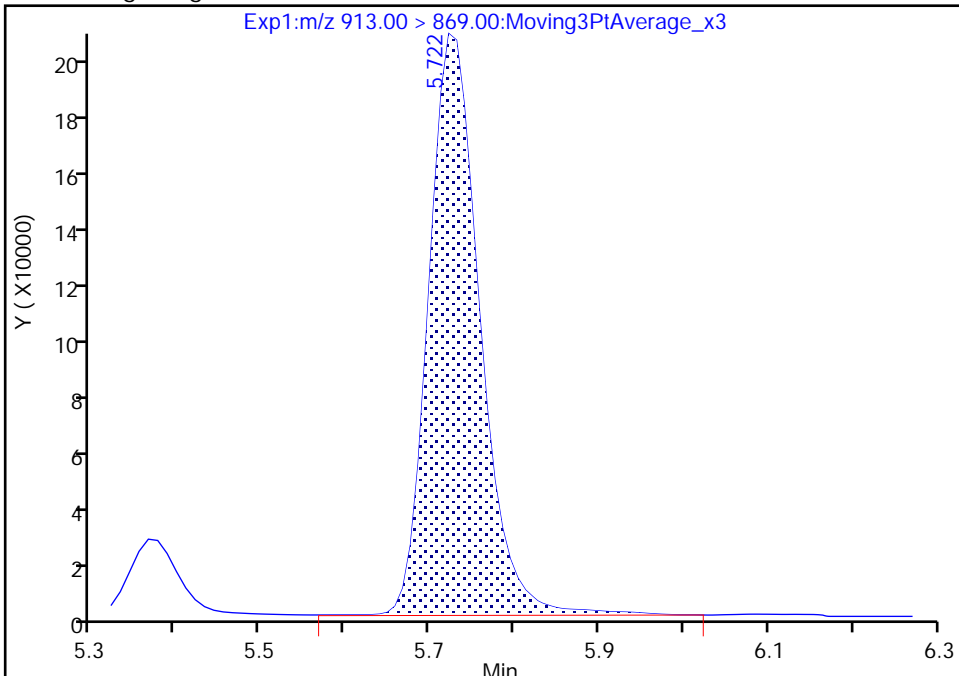
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

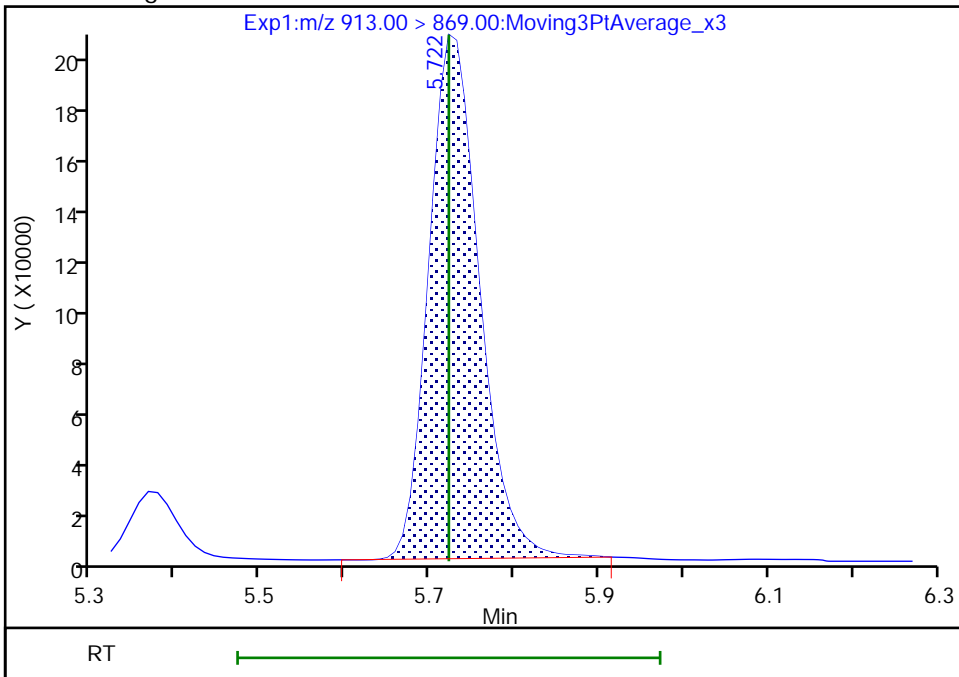
RT: 5.72
Area: 870066
Amount: 0.534447
Amount Units: ng/ml

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

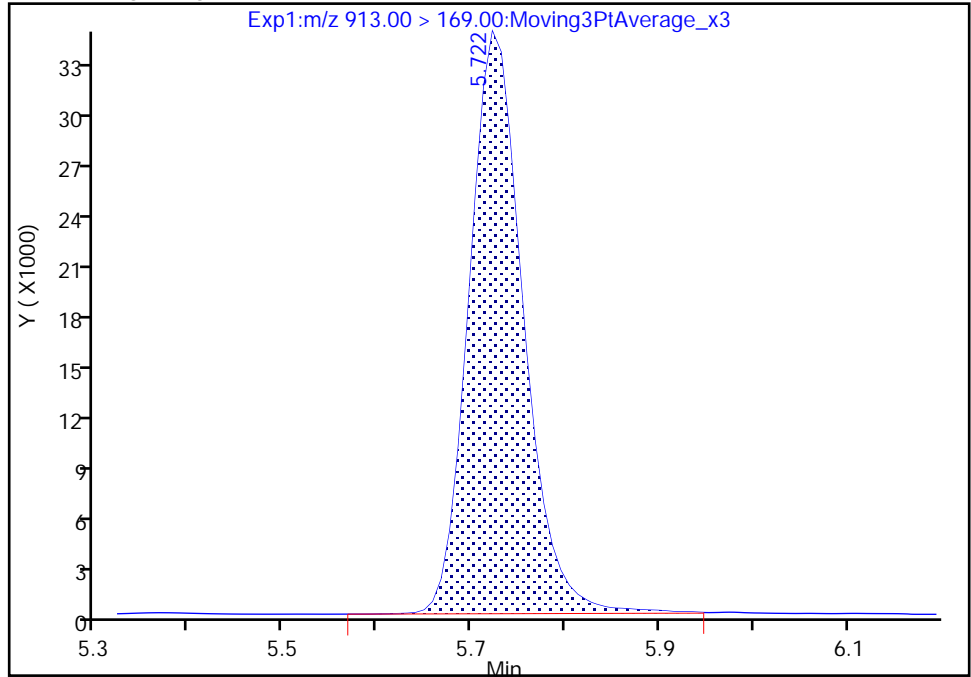
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

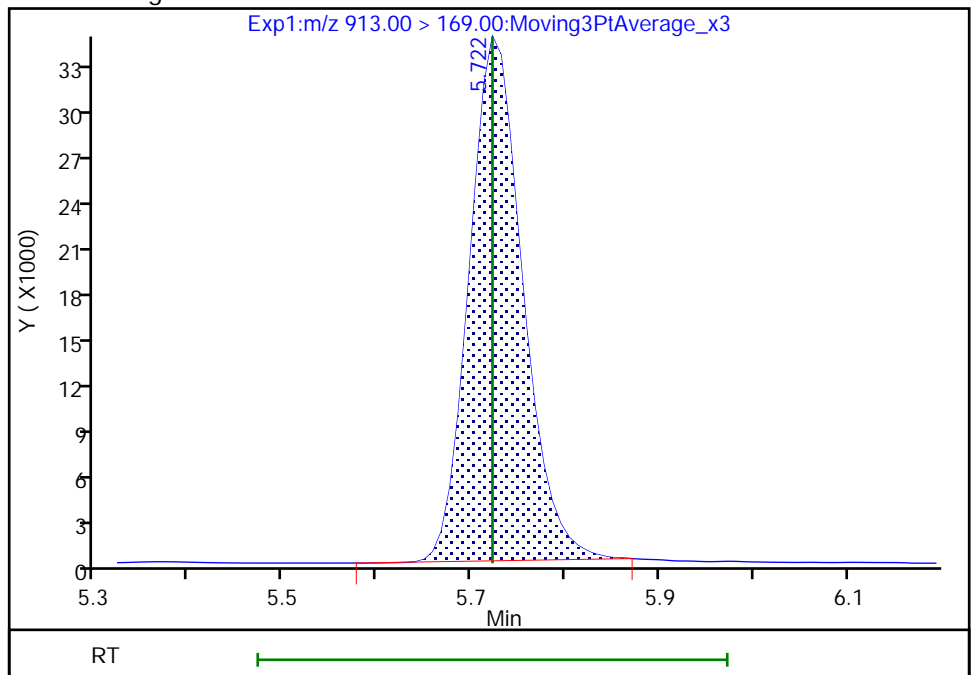
RT: 5.72
Area: 136693
Amount: 0.534447
Amount Units: ng/ml

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

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

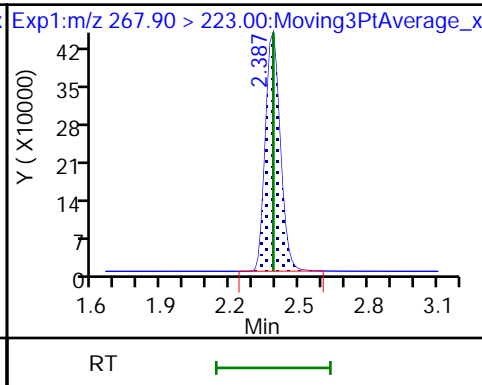
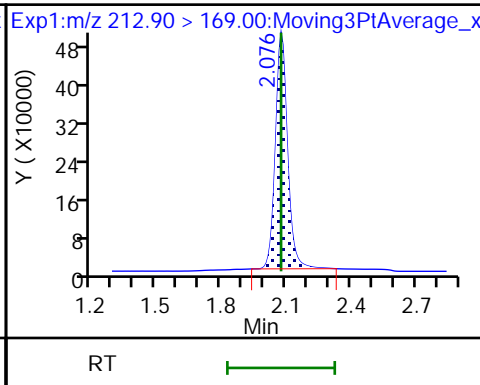
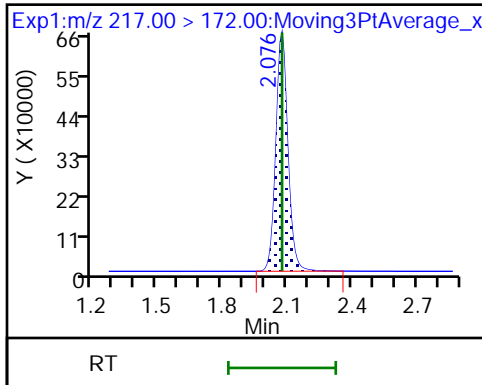
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

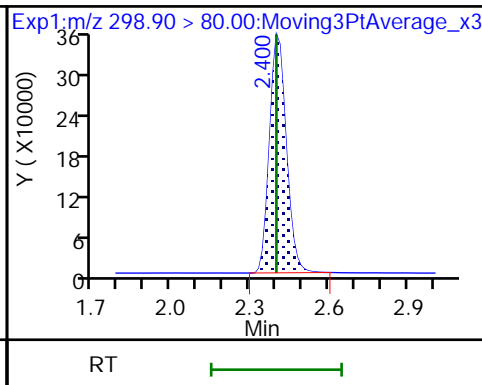
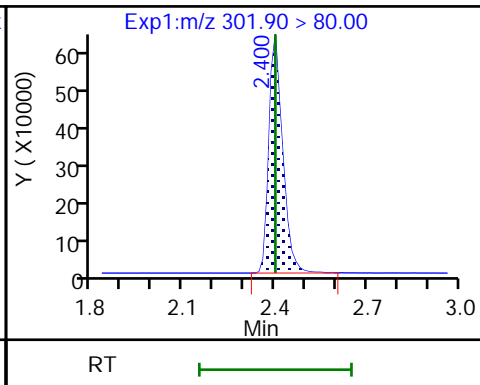
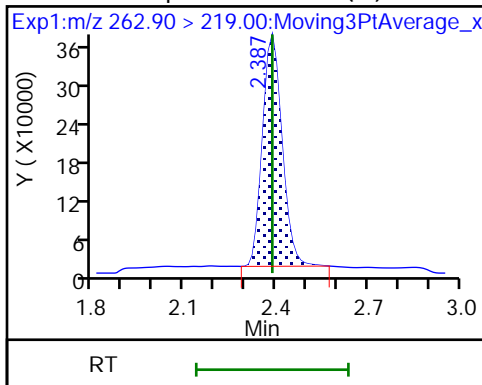
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

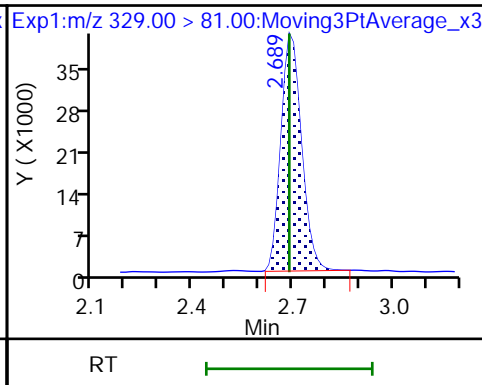
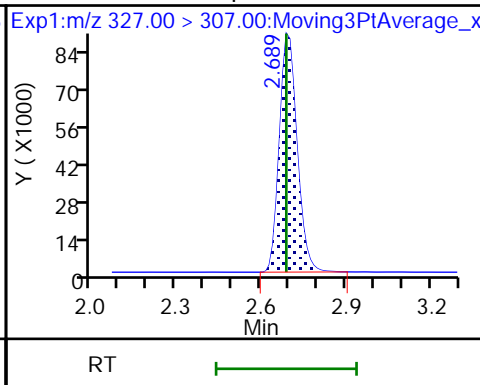
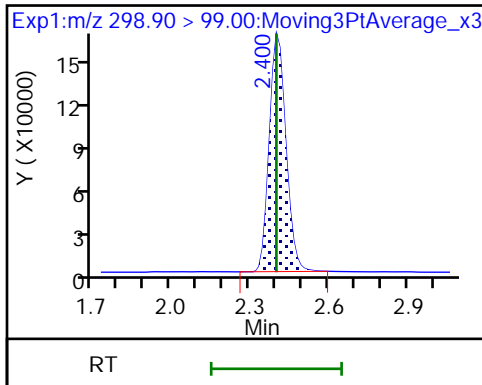
D 47 13C3 PFBS

5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid

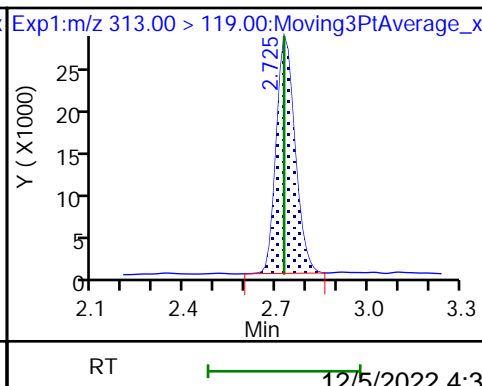
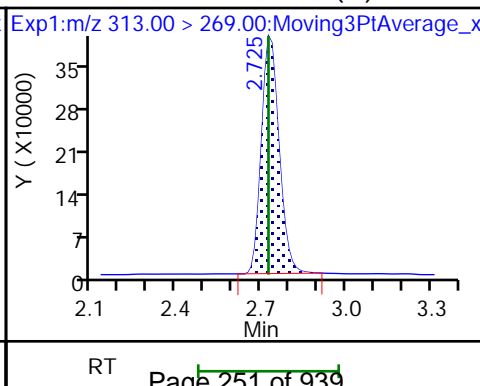
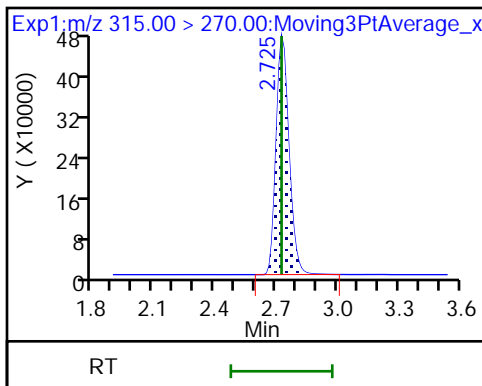
61 1H,1H,2H,2H-perfluorohexanesulfo D 60 M2-4:2 FTS

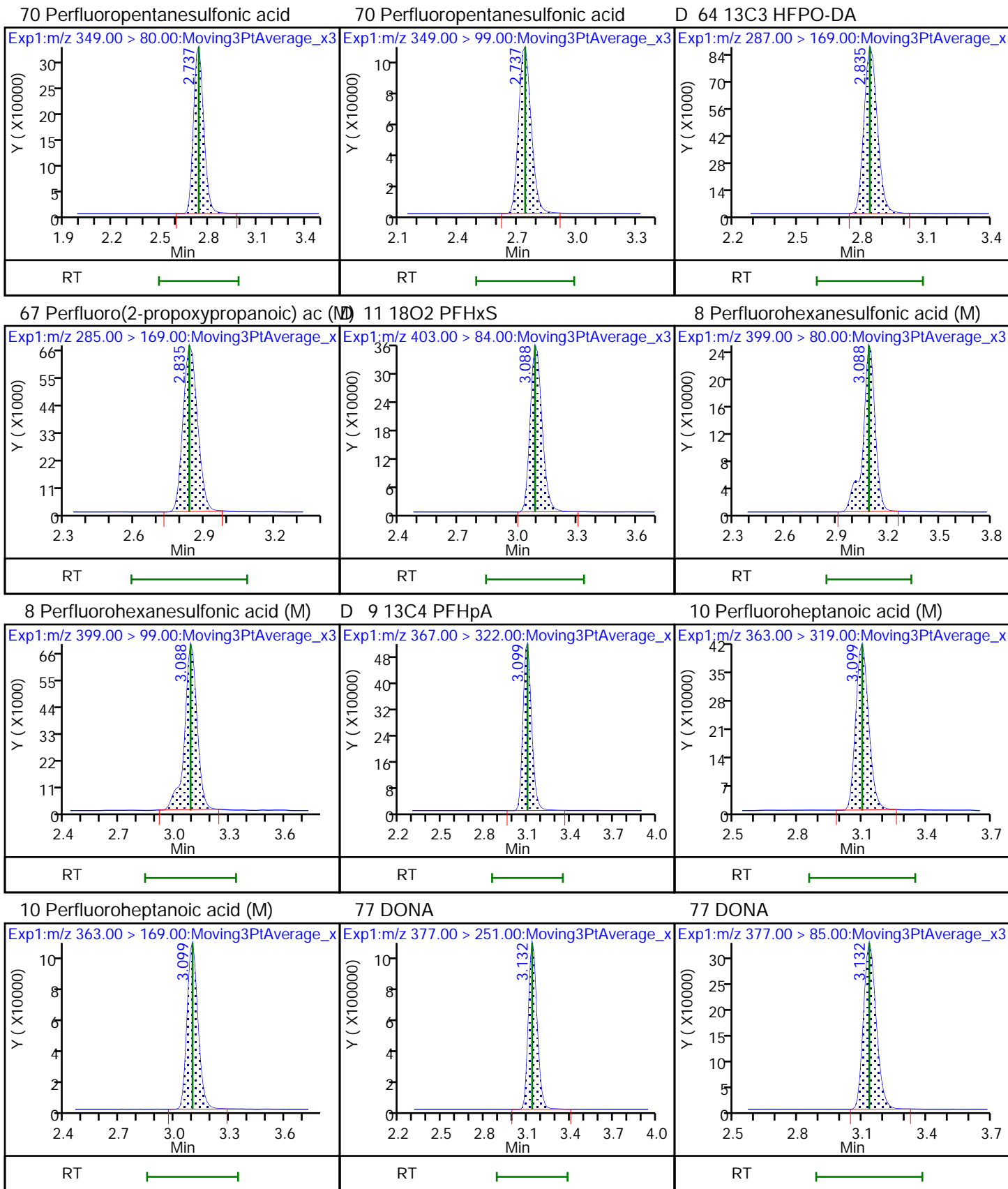


D 7 13C2 PFHxA

6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid

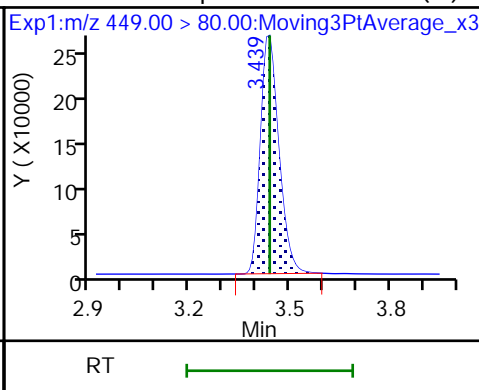
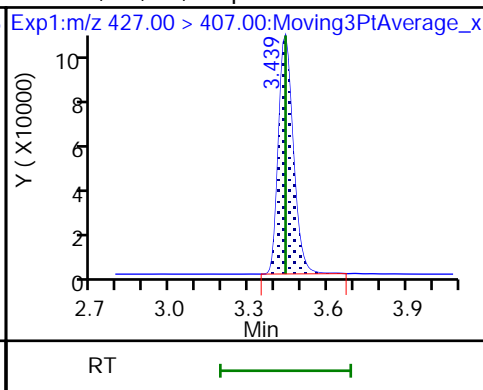
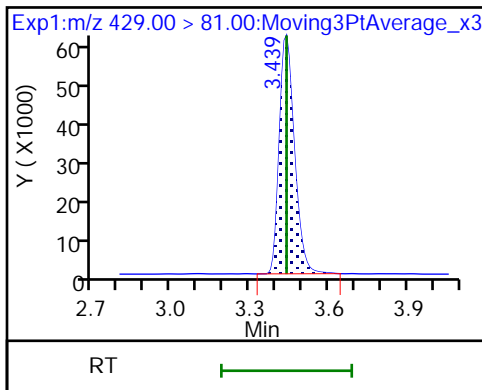




D 12 M2-6:2 FTS

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

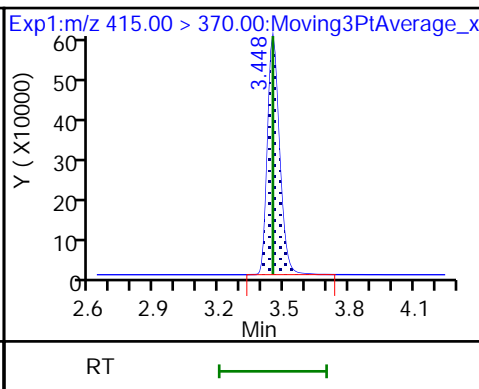
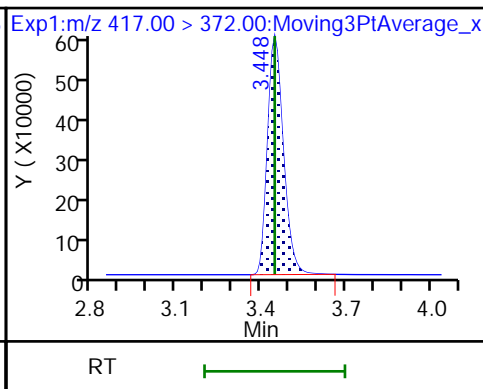
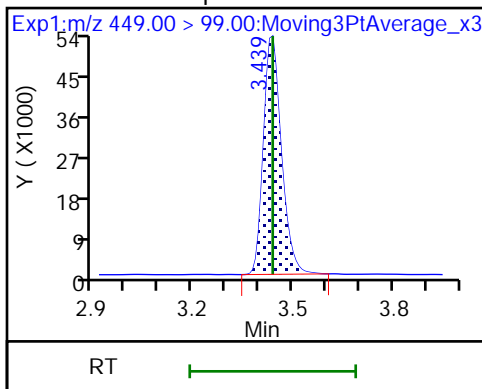
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid

D 14 13C4 PFOA

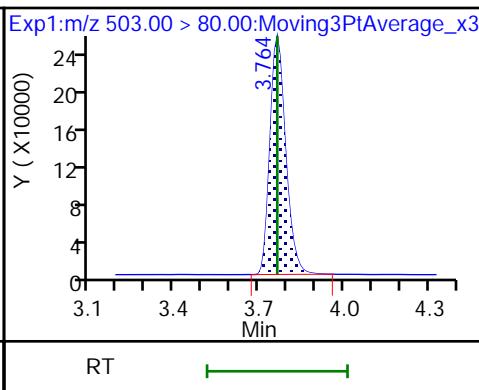
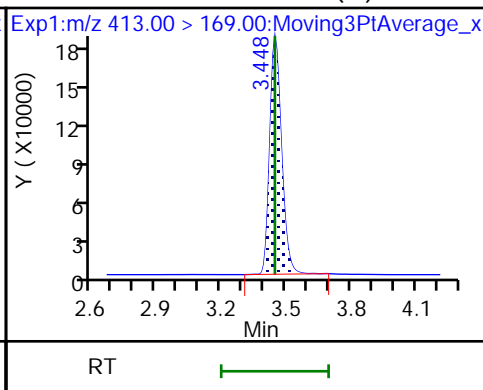
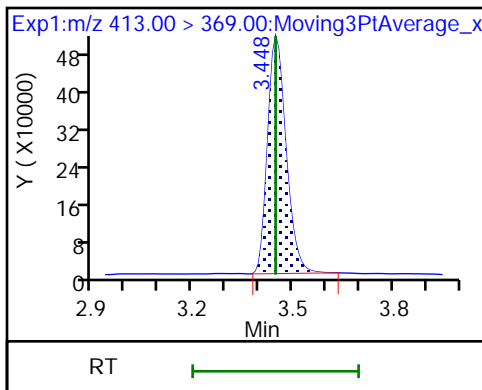
* 62 13C2 PFOA



15 Perfluorooctanoic acid

15 Perfluorooctanoic acid (M)

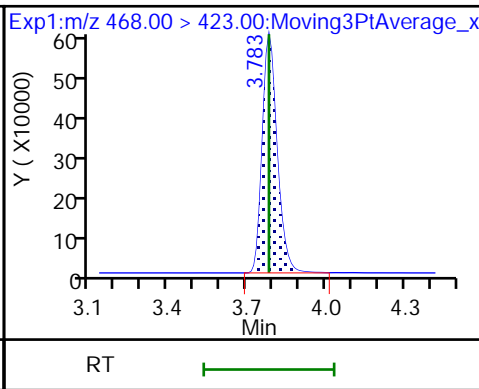
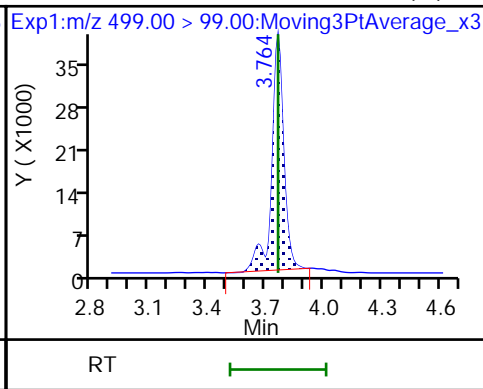
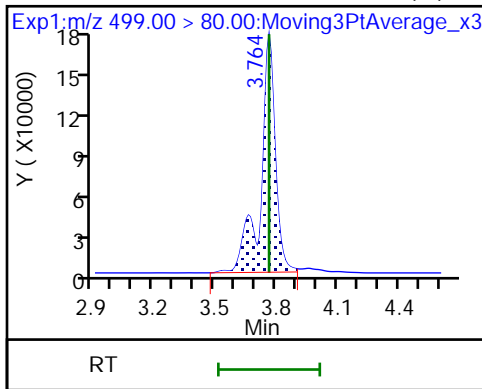
D 18 13C4 PFOS

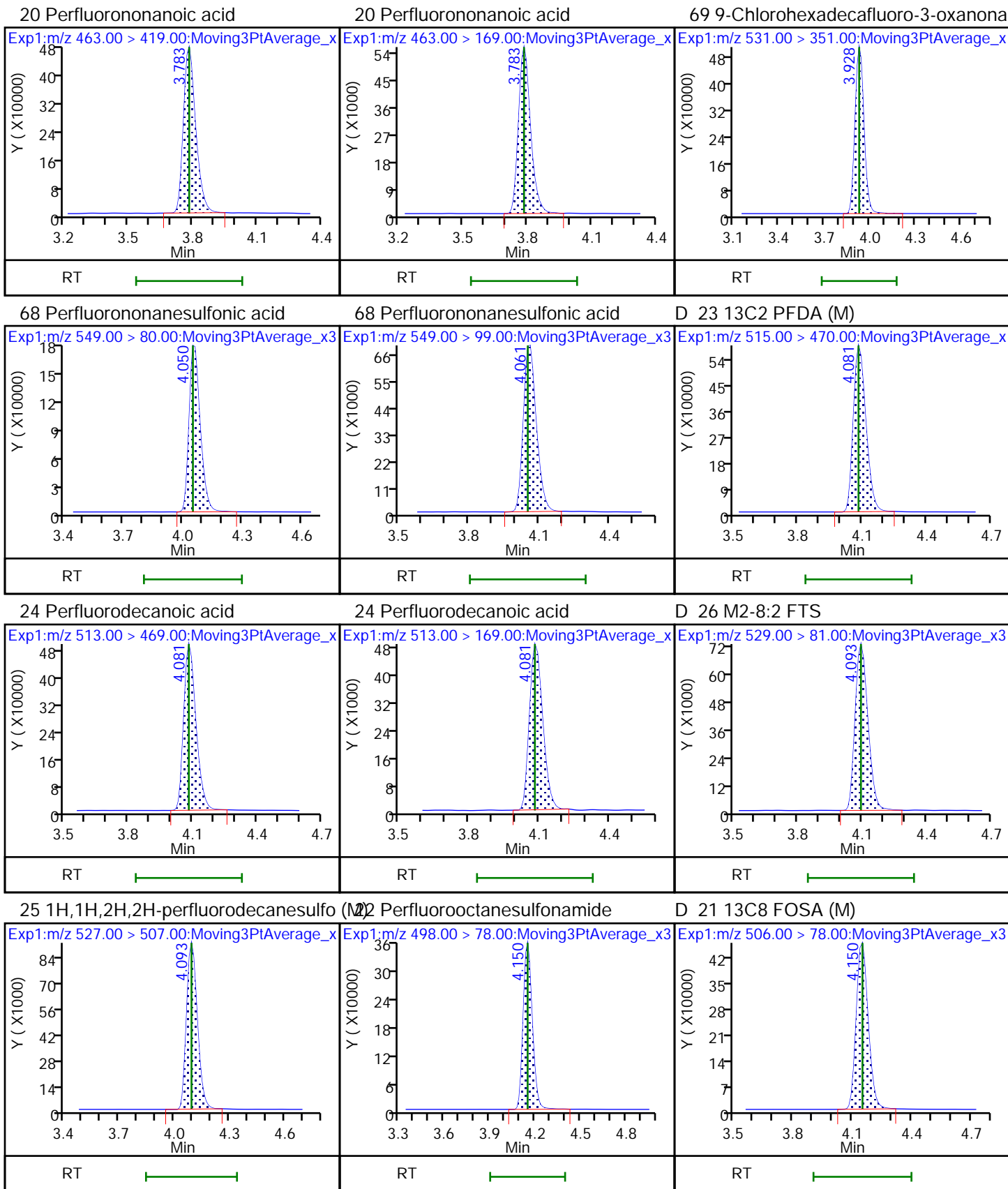


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

D 19 13C5 PFNA

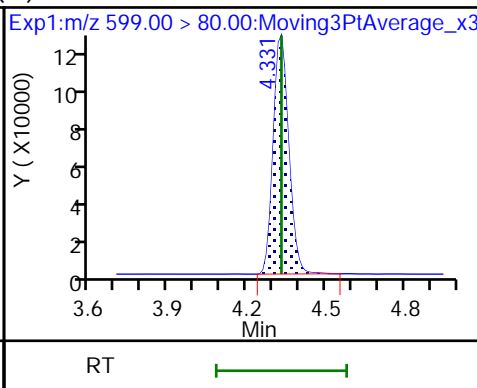
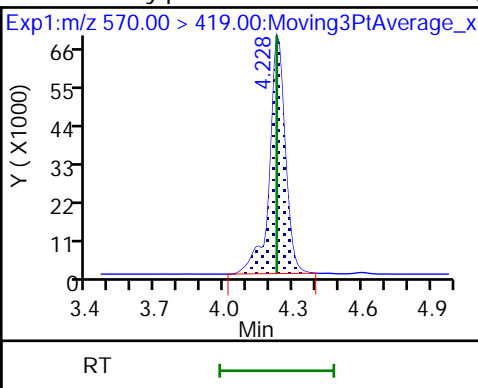
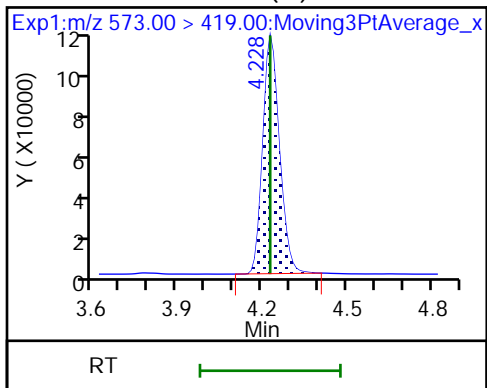




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

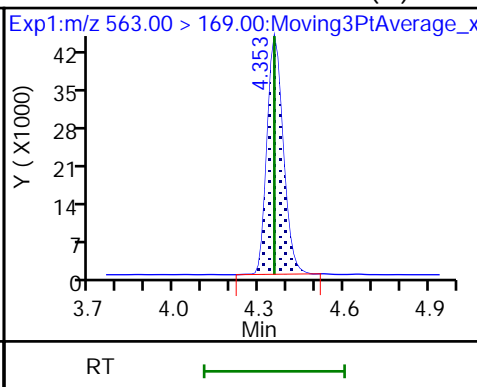
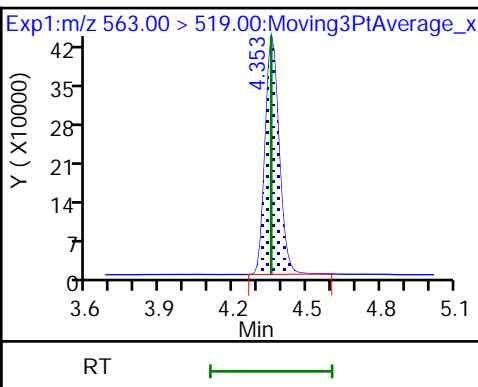
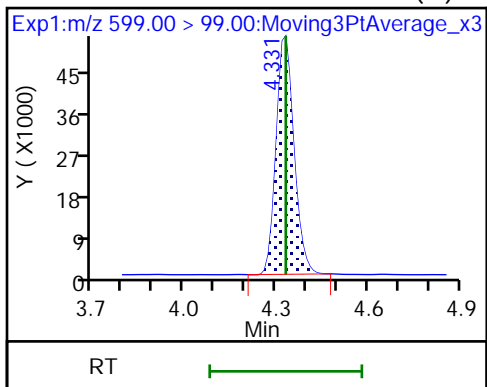
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

31 Perfluoroundecanoic acid

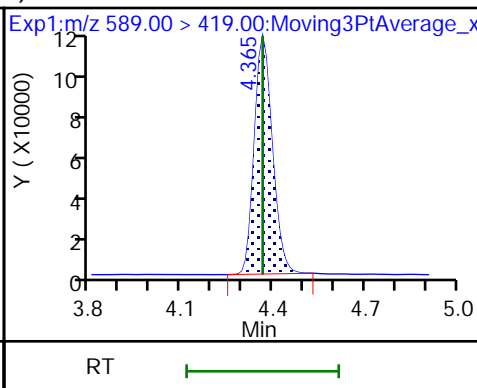
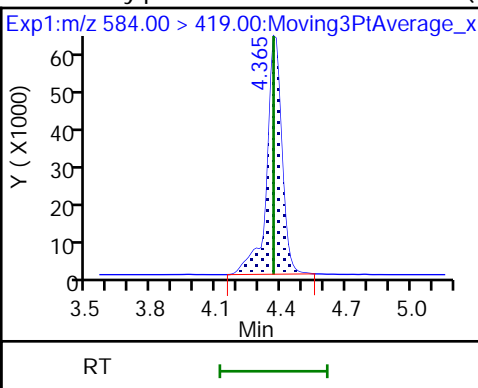
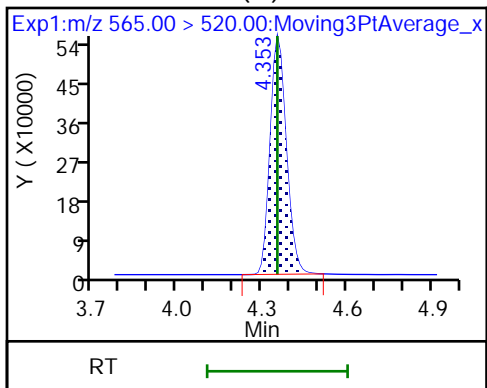
31 Perfluoroundecanoic acid (M)



D 30 13C2 PFUnA (M)

33 N-ethylperfluorooctanesulfonamid (M)

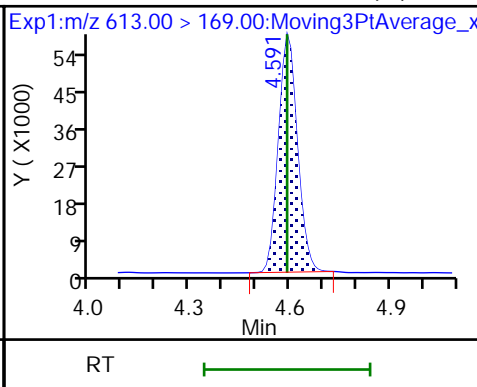
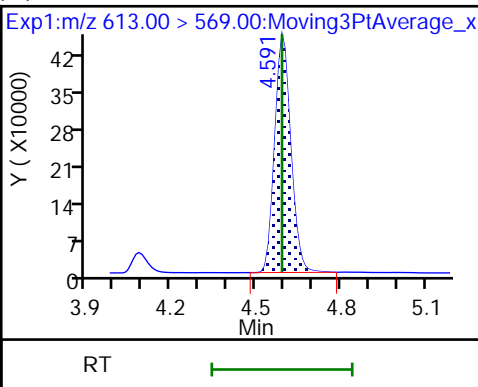
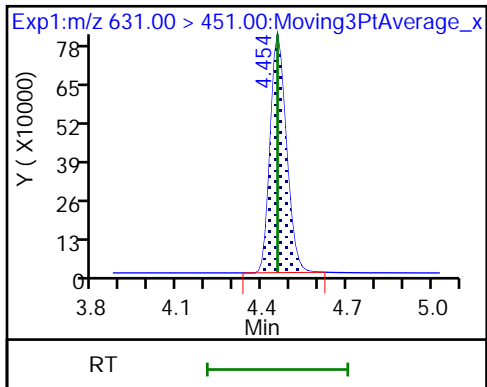
32 d5-NEtFOSAA



66 11-Chloroeicosafuoro-3-oxaundec (M)

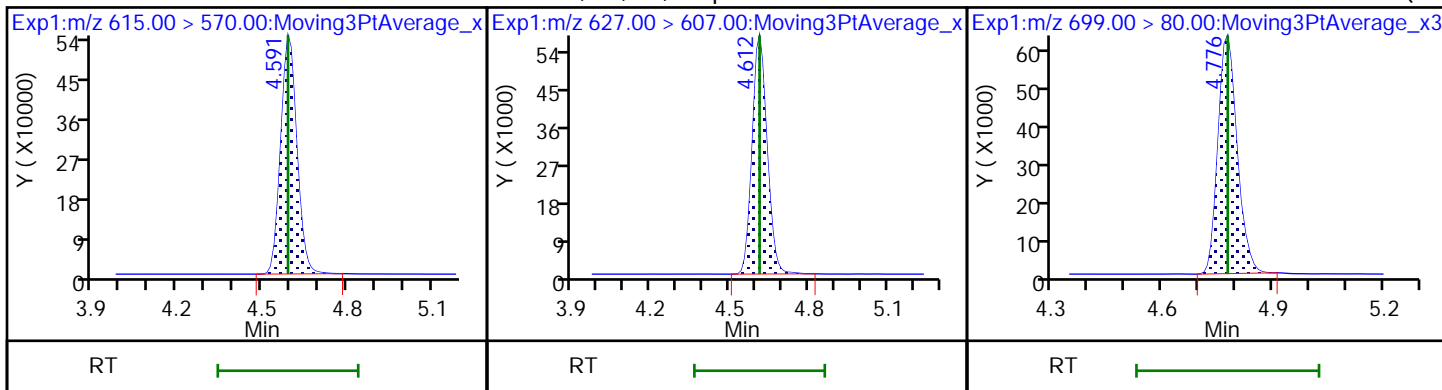
37 Perfluorododecanoic acid

37 Perfluorododecanoic acid (M)

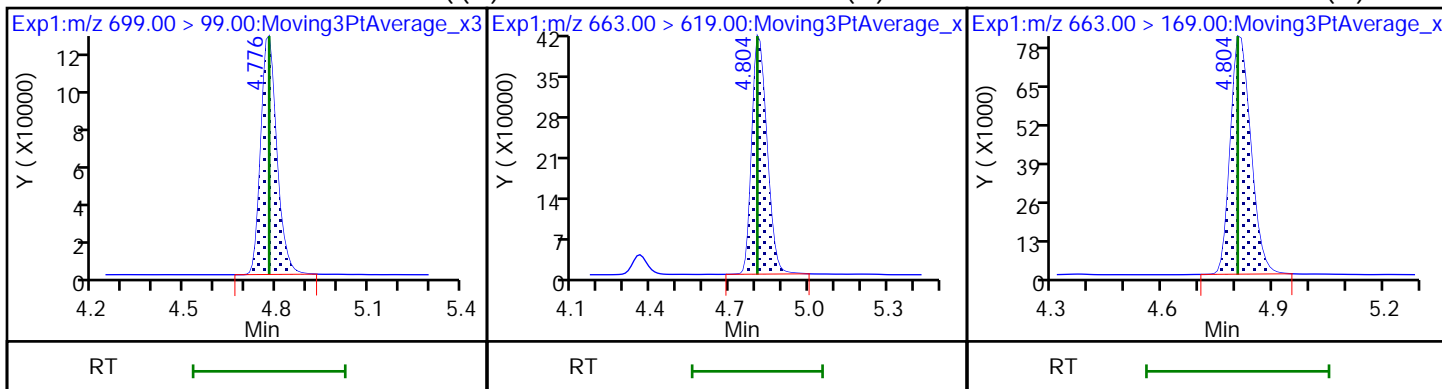


D 36 13C2 PFDaA

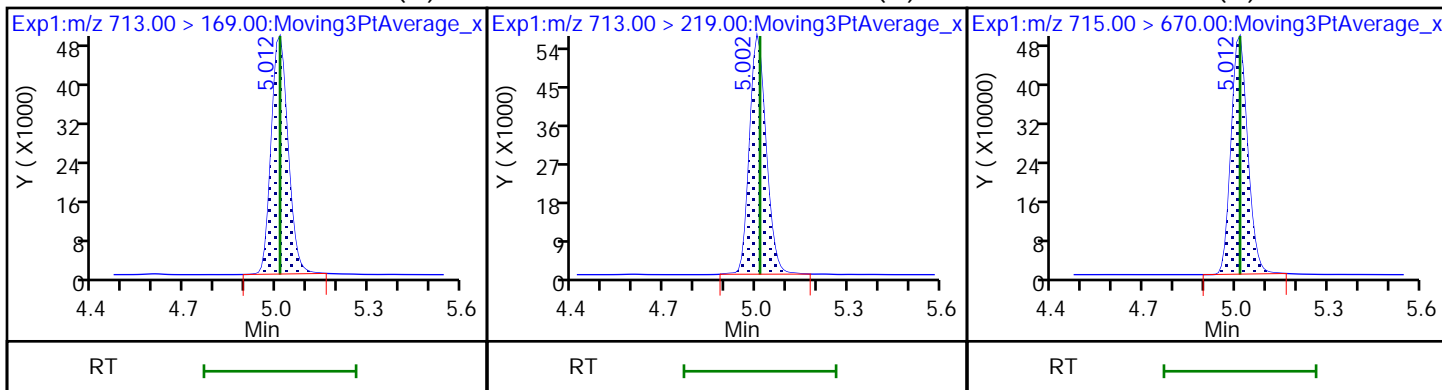
74 1H,1H,2H,2H-perfluorododecanesul 75 Perfluorododecanesulfonic acid (



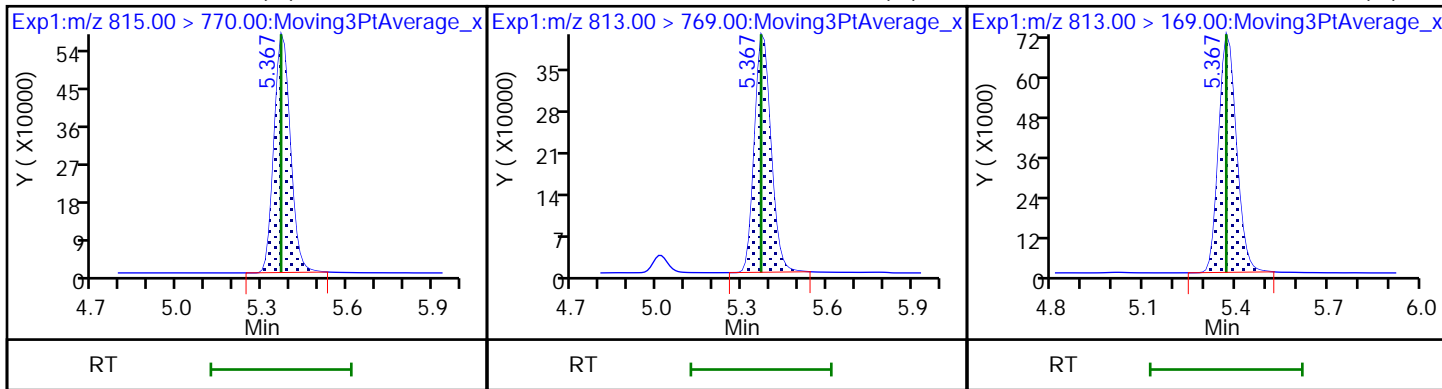
75 Perfluorododecanesulfonic acid ((M) 41 Perfluorotridecanoic acid (M) 41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M) 42 Perfluorotetradecanoic acid (M) D 43 13C2 PFTeDA (M)

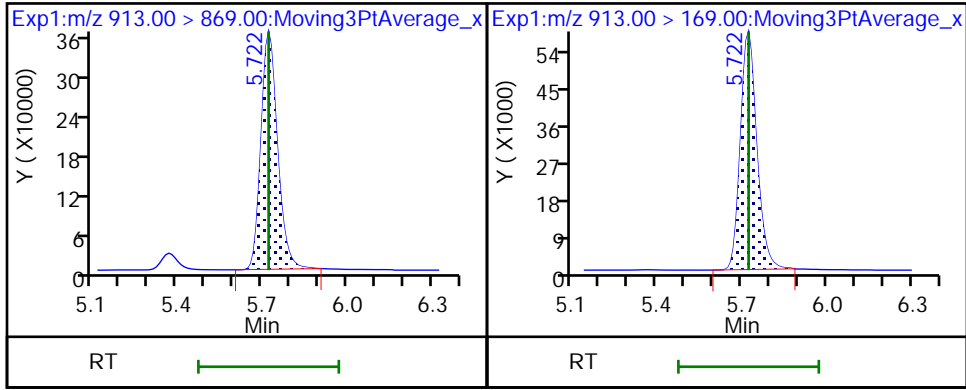


D 44 13C2 PFHxDA (M) 45 Perfluorohexadecanoic acid (M) 45 Perfluorohexadecanoic acid (M)



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

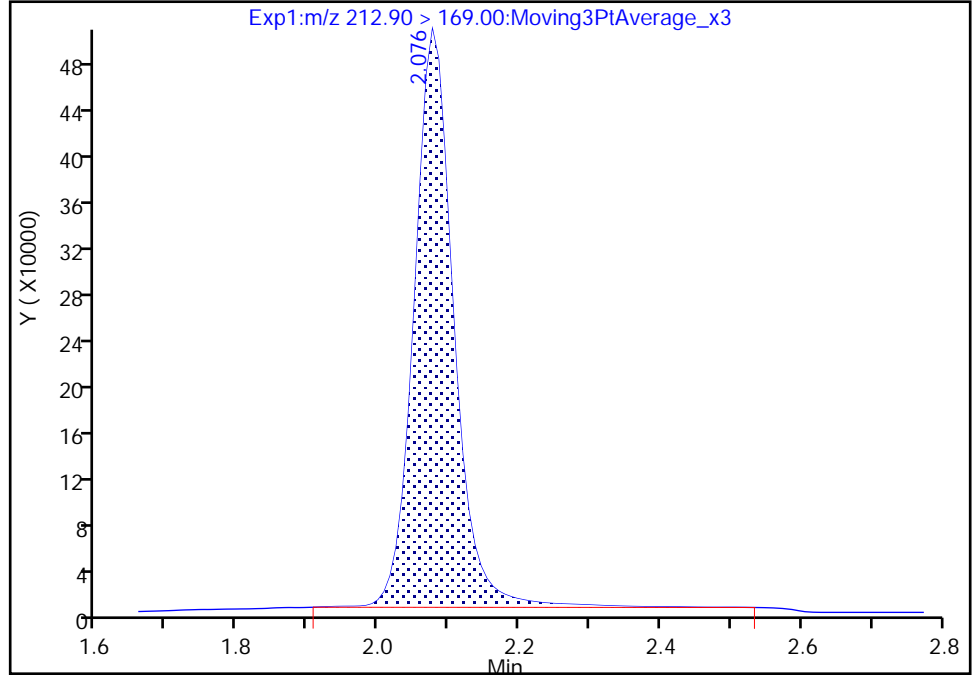
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

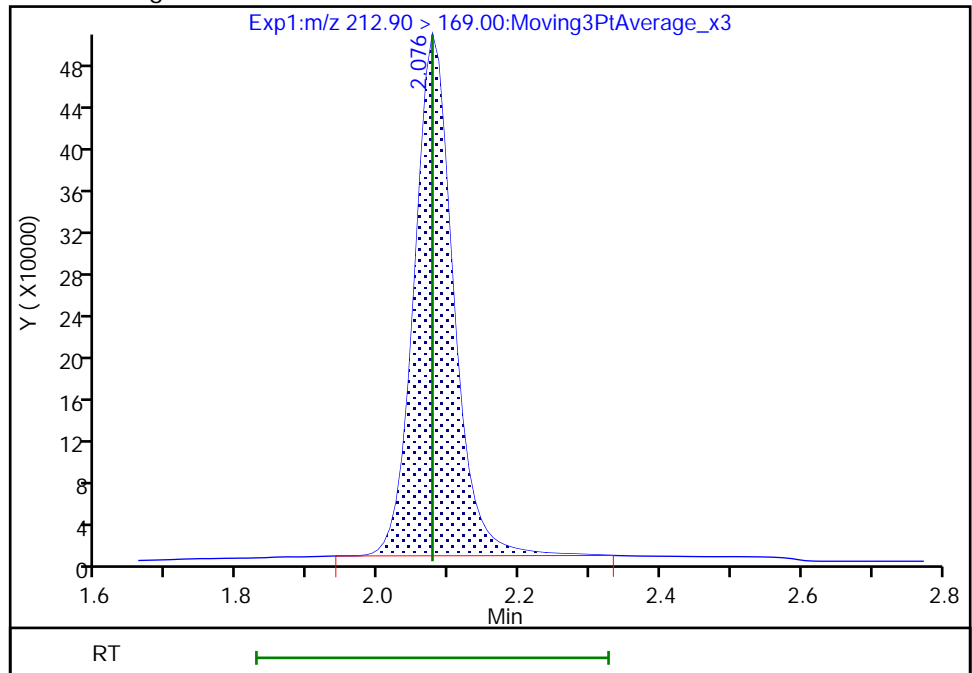
RT: 2.08
Area: 1938856
Amount: 0.884944
Amount Units: ng/ml

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

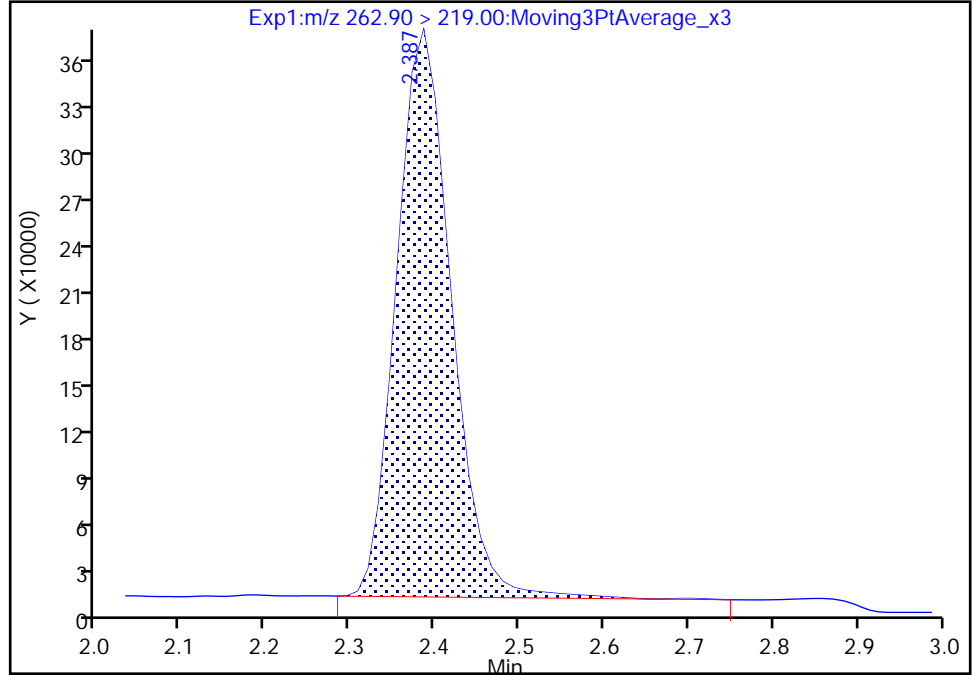
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

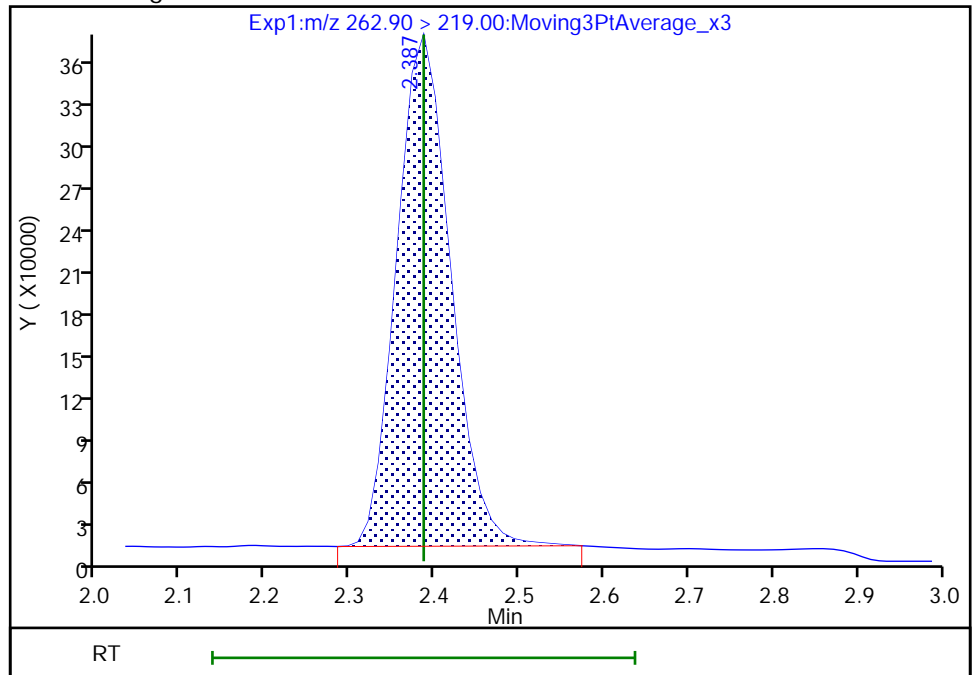
RT: 2.39
Area: 1625686
Amount: 0.903106
Amount Units: ng/ml

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

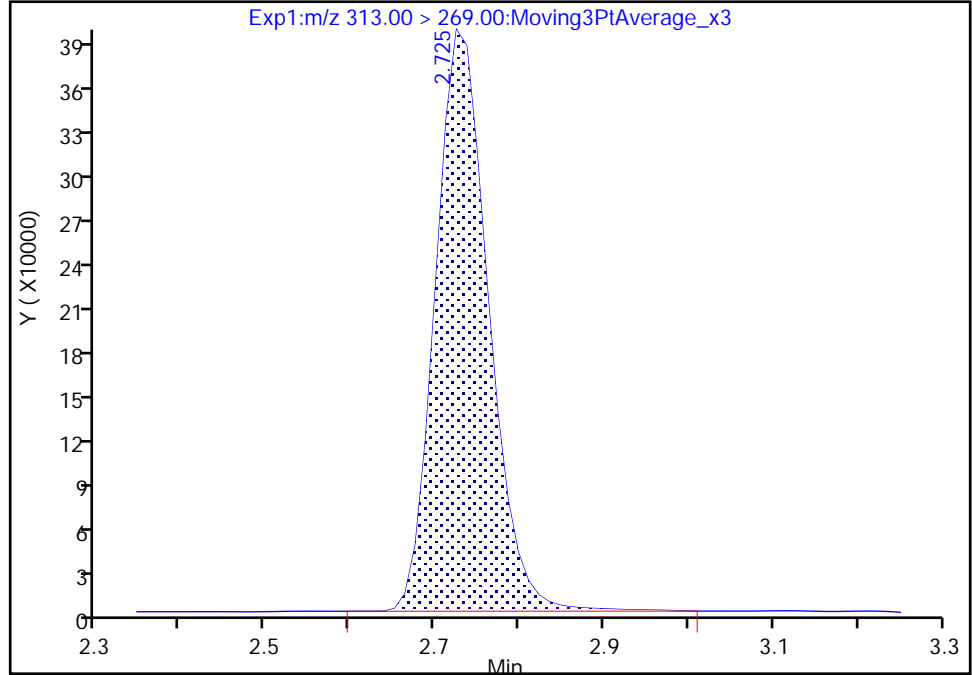
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

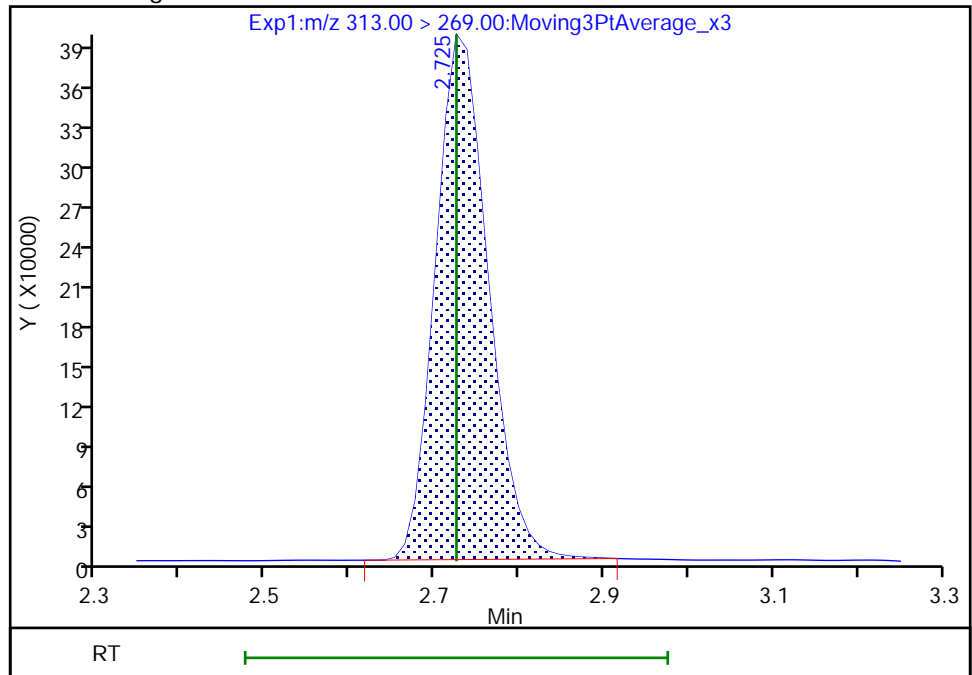
RT: 2.73
Area: 1717760
Amount: 0.925315
Amount Units: ng/ml

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

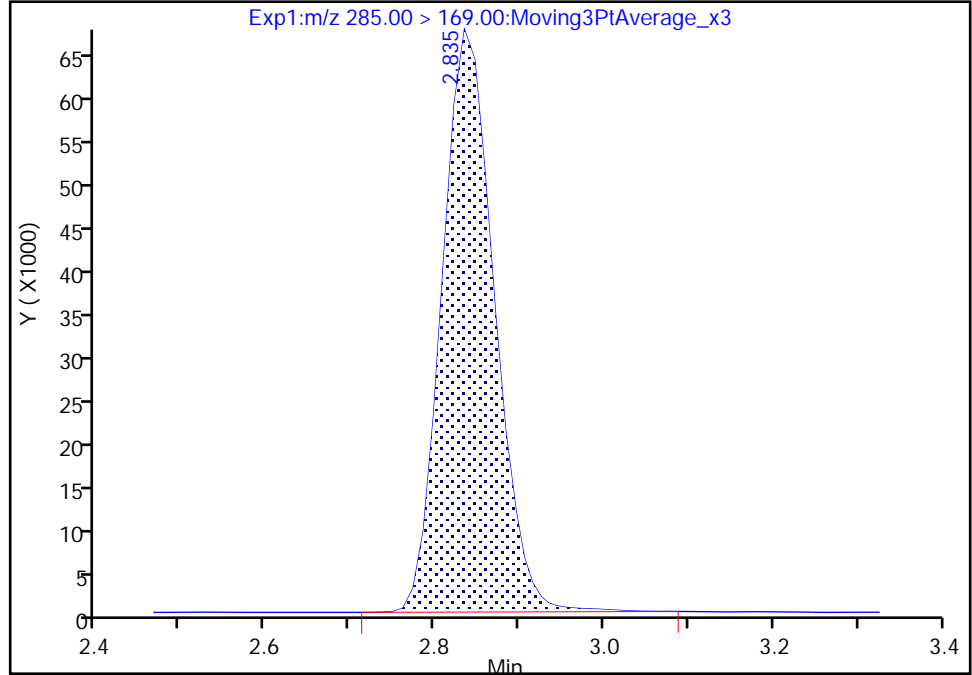
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

67 Perfluoro(2-propoxypropanoic) ac, CAS: 13252-13-6

Signal: 1

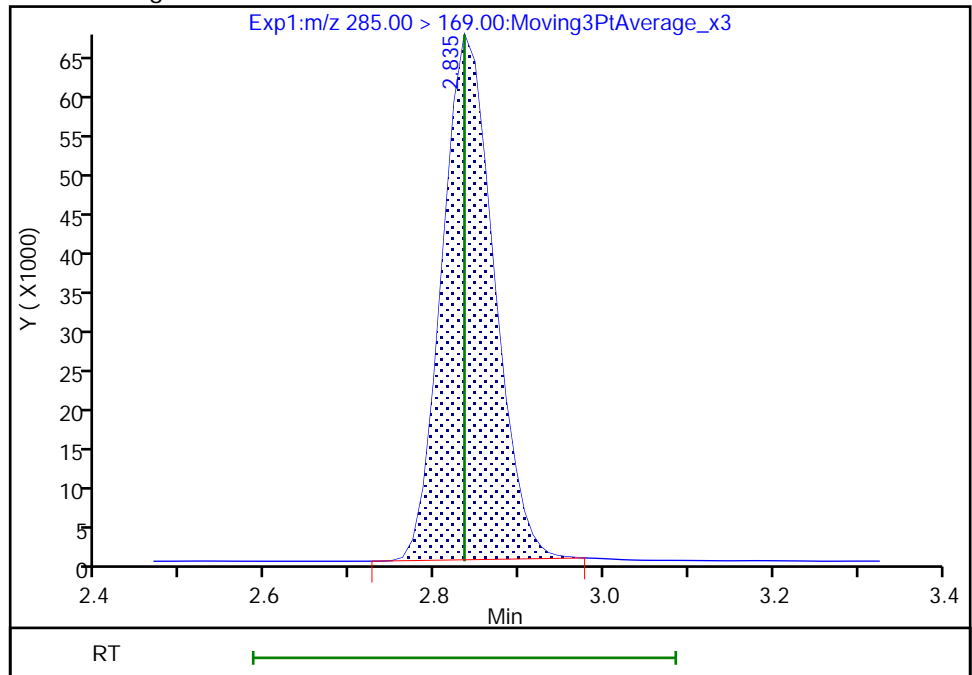
RT: 2.83
Area: 290381
Amount: 0.890585
Amount Units: ng/ml

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

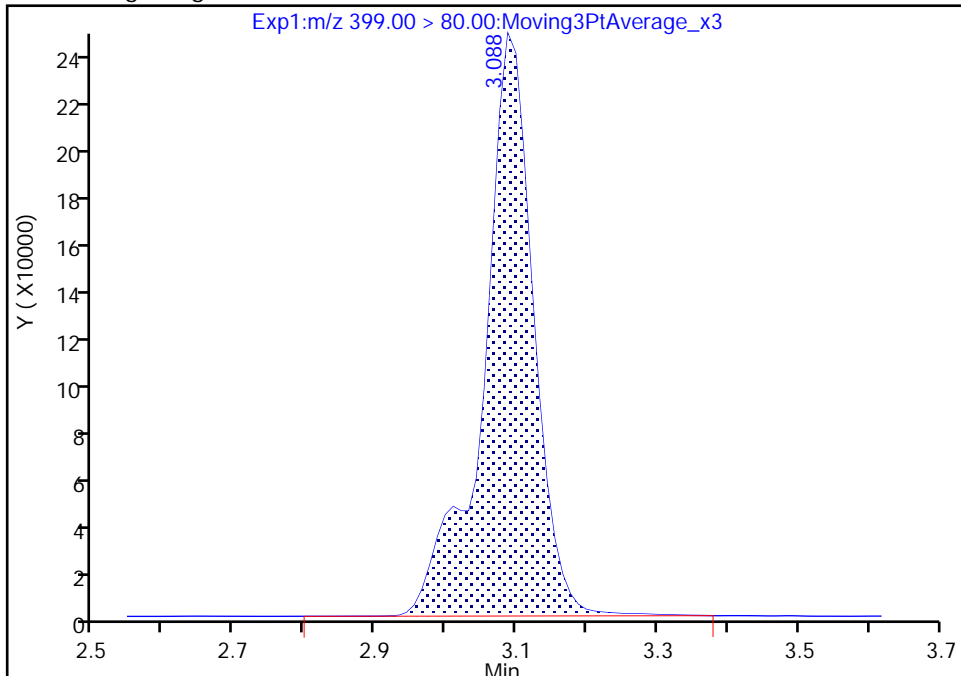
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

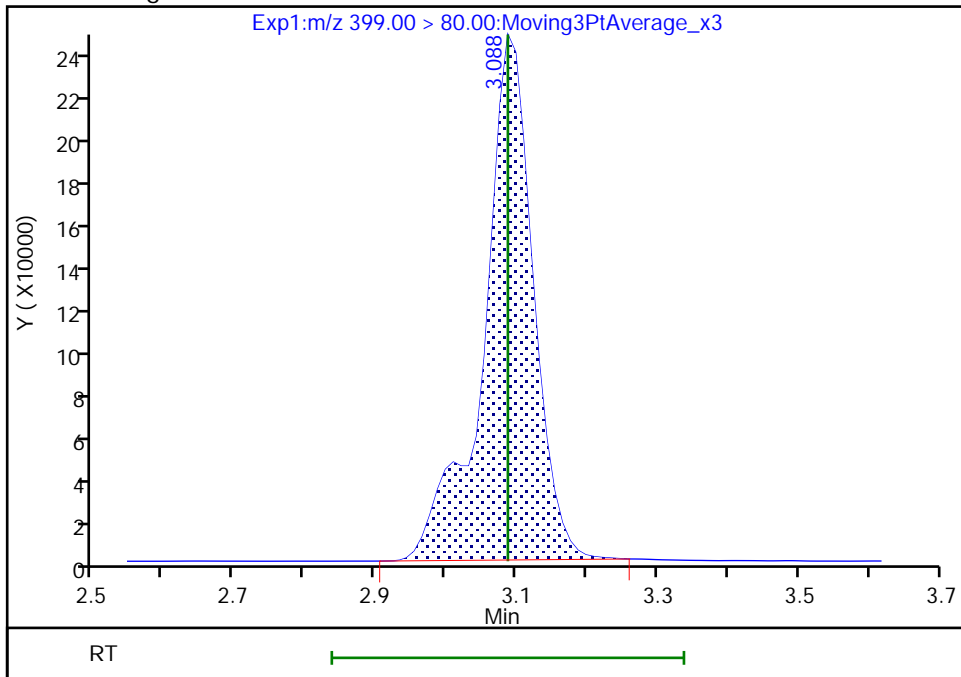
RT: 3.09
Area: 1192403
Amount: 0.844733
Amount Units: ng/ml

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

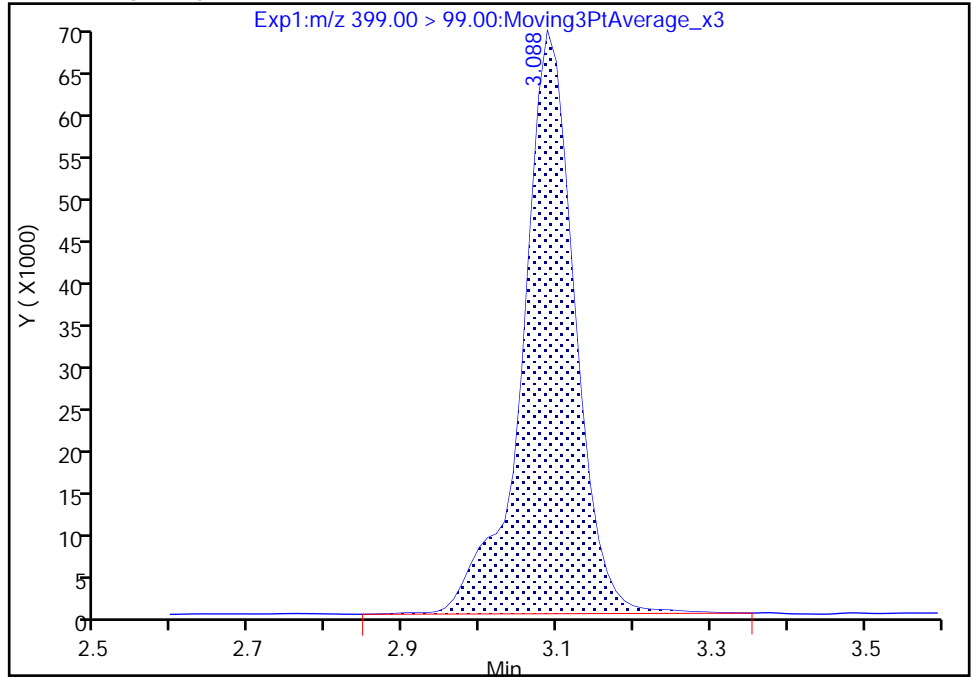
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

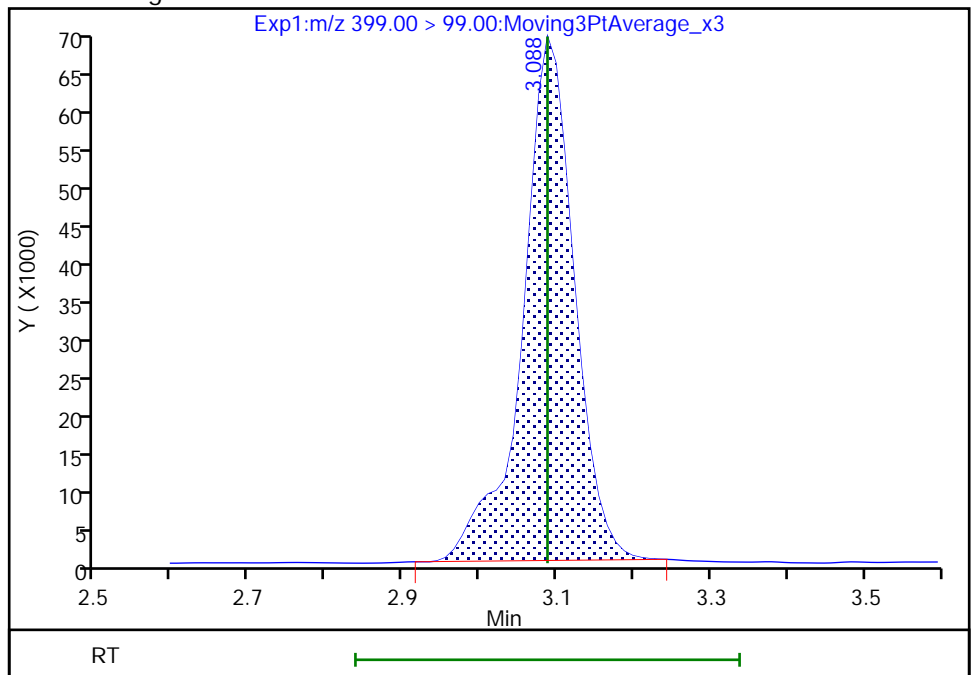
RT: 3.09
Area: 329620
Amount: 0.844733
Amount Units: ng/ml

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
Page 263 of 939

12/5/2022 4:37 PM

Eurofins Burlington

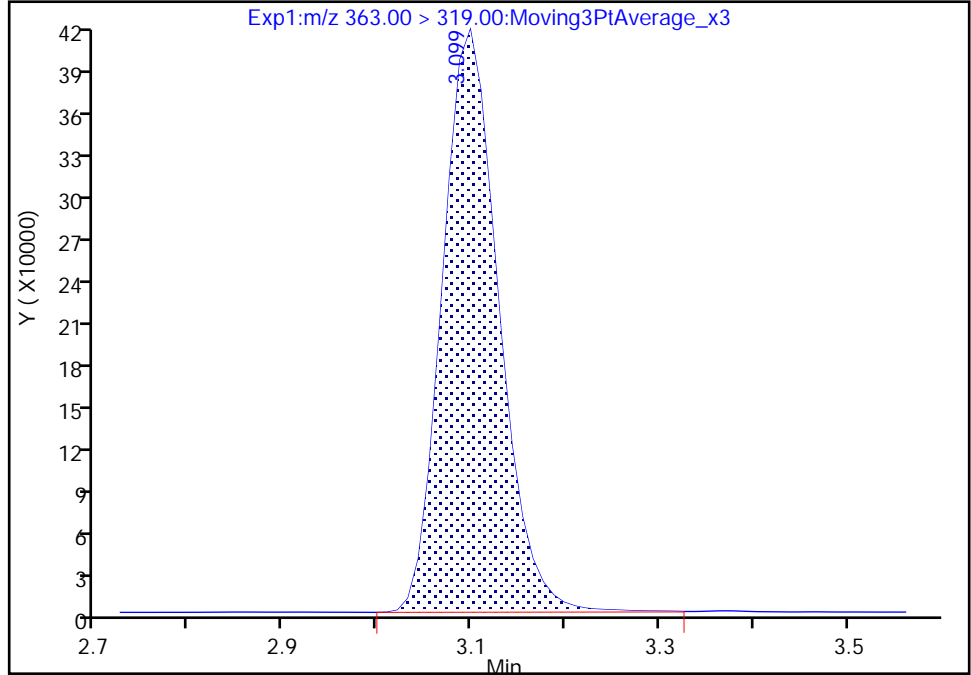
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

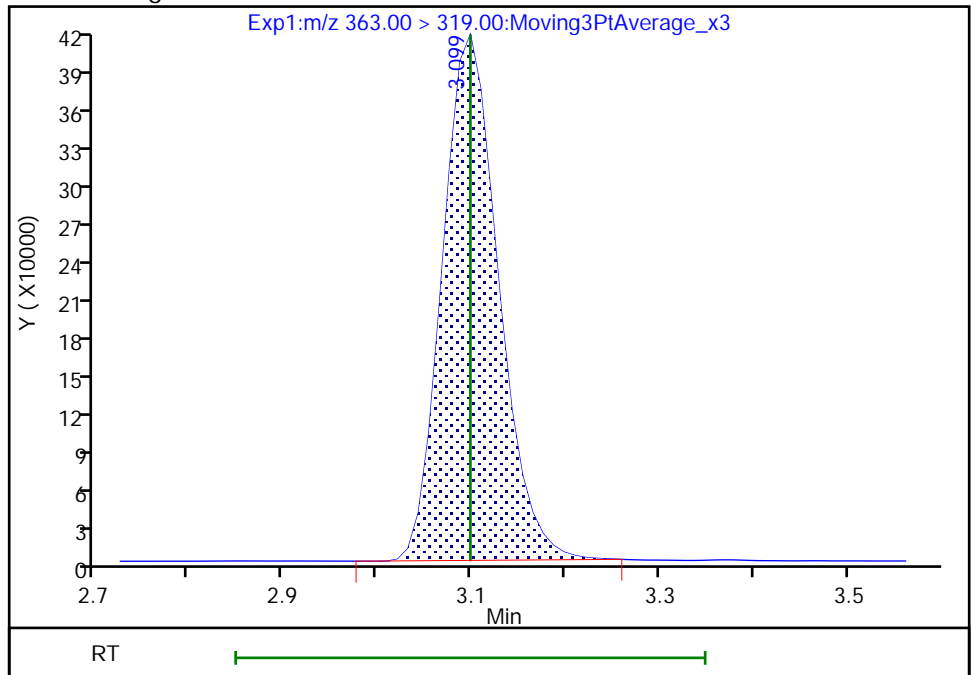
RT: 3.10
Area: 1732207
Amount: 0.896761
Amount Units: ng/ml

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

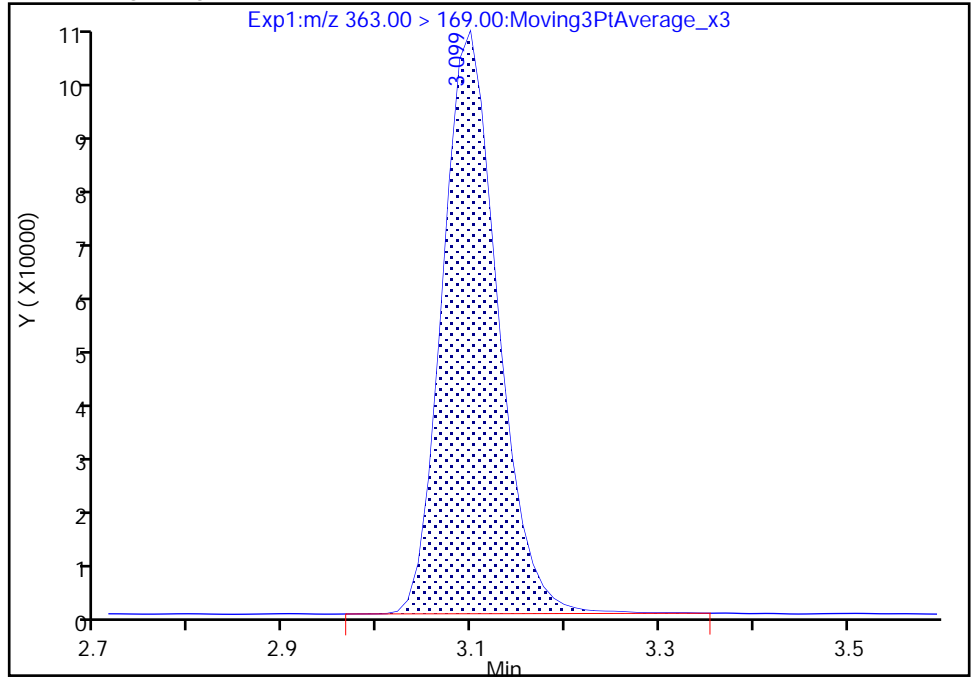
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

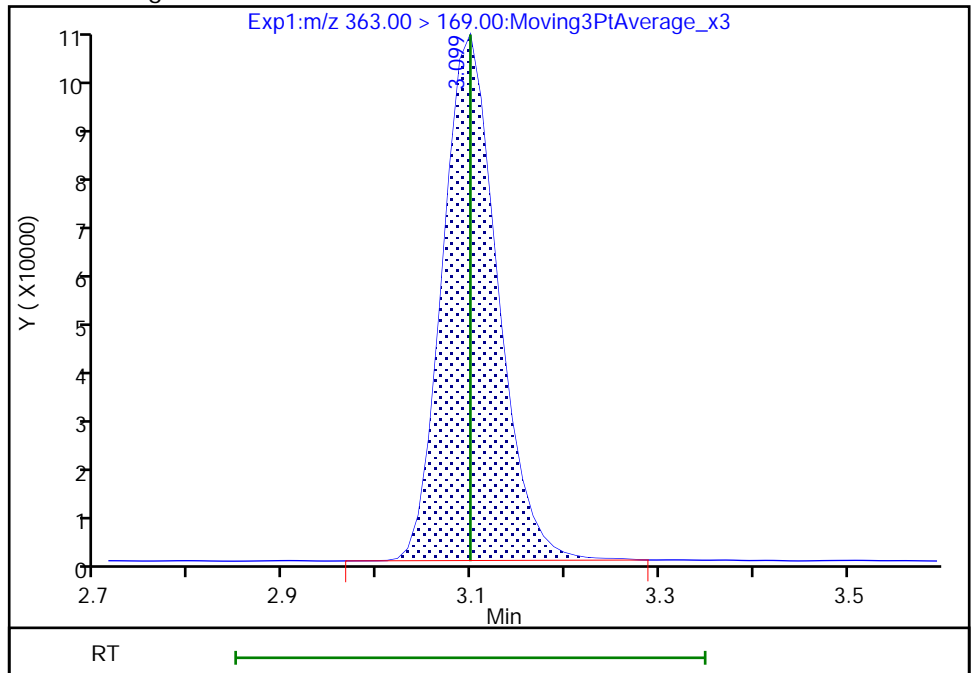
RT: 3.10
Area: 434169
Amount: 0.896761
Amount Units: ng/ml

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

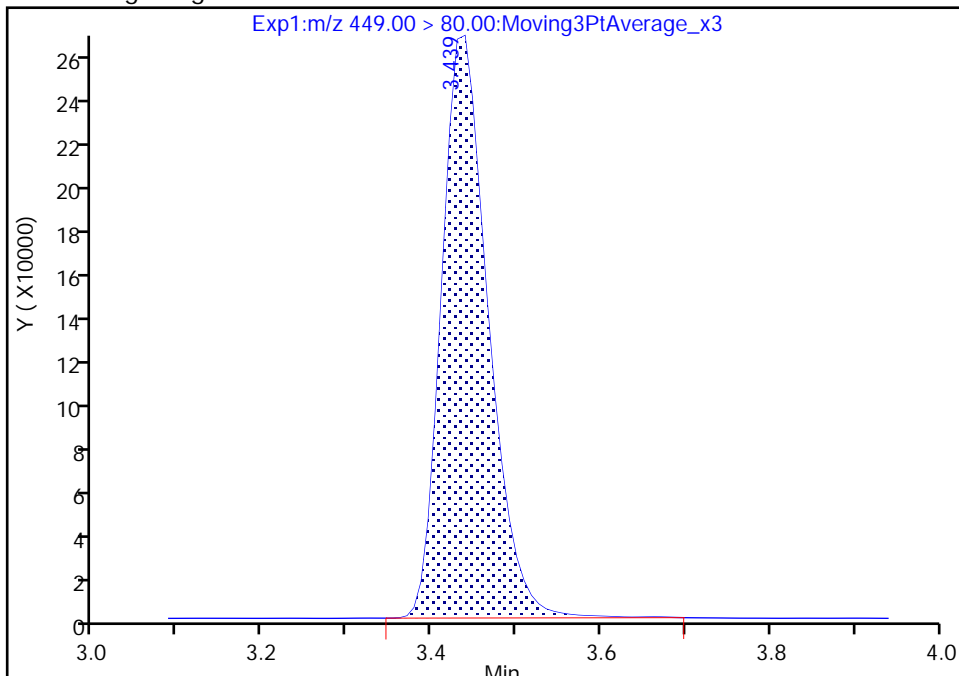
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

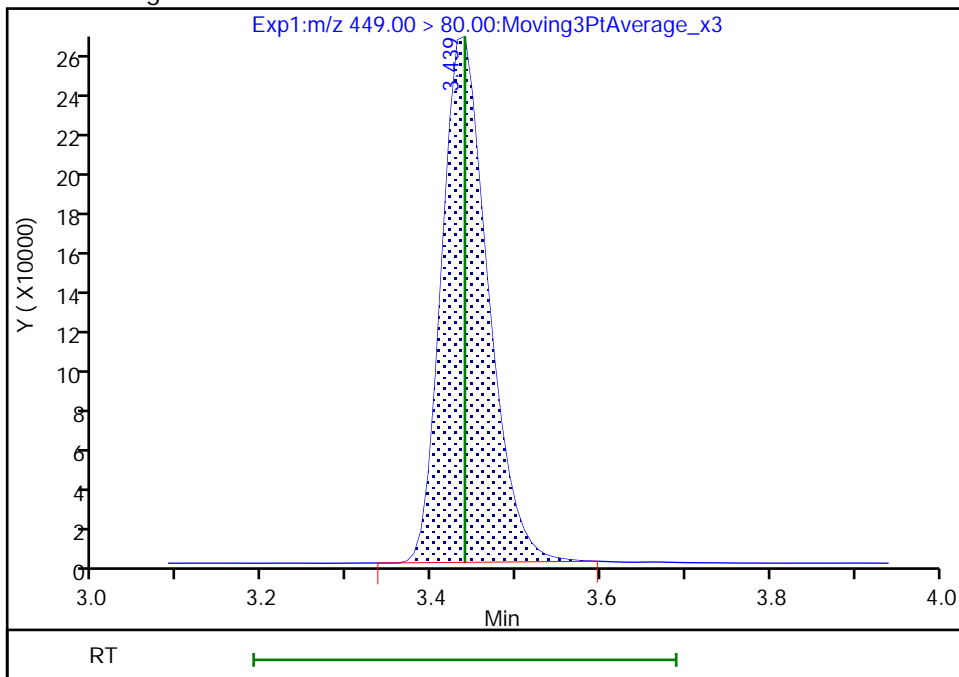
RT: 3.44
Area: 1029711
Amount: 0.878234
Amount Units: ng/ml

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

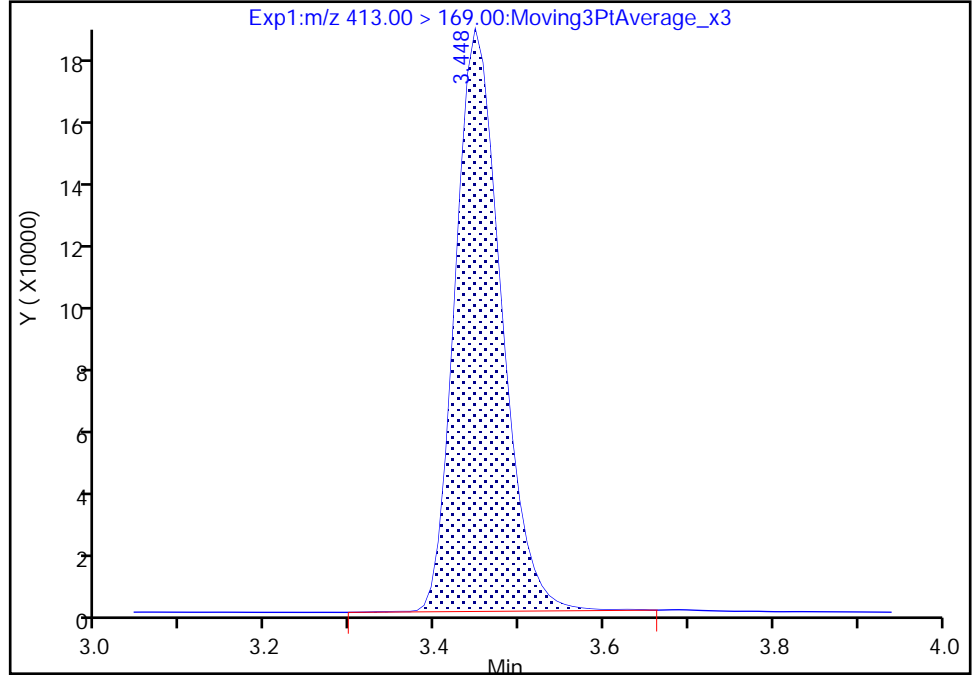
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

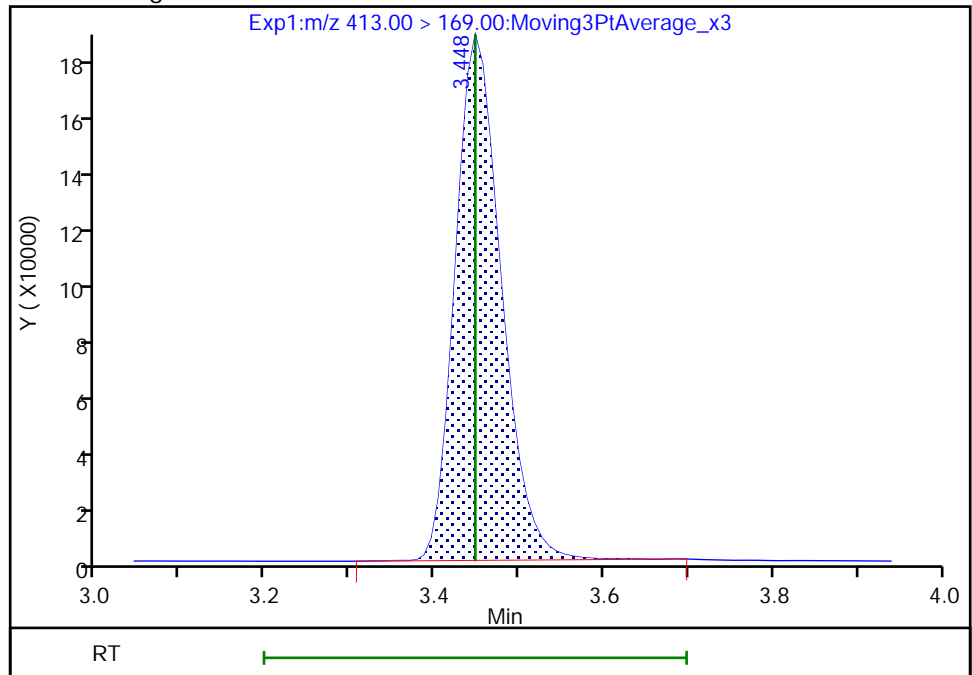
RT: 3.45
Area: 697013
Amount: 0.942395
Amount Units: ng/ml

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

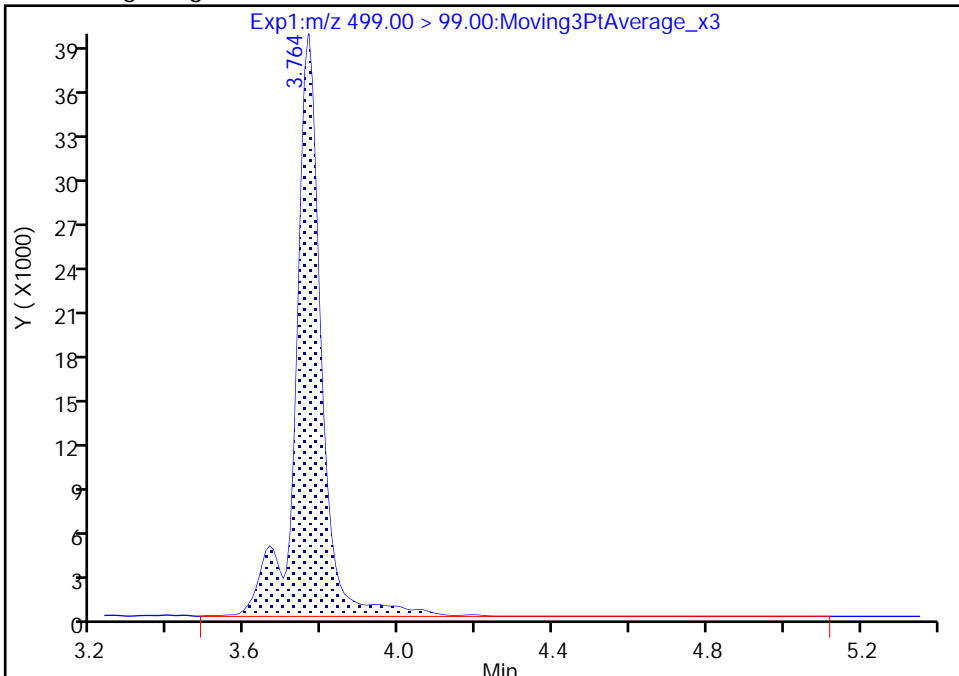
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

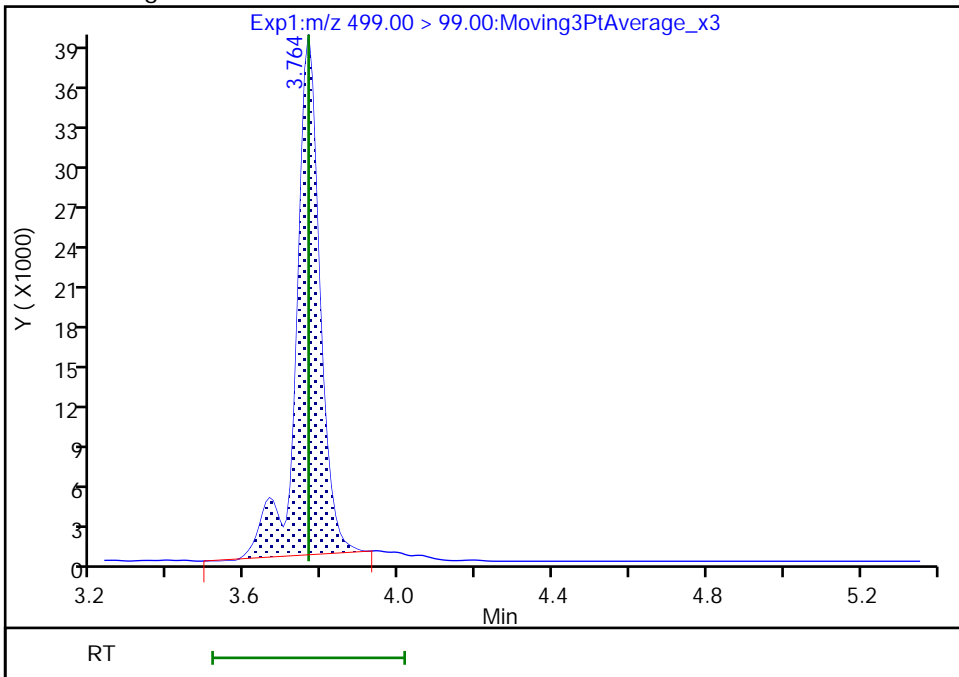
RT: 3.76
Area: 184243
Amount: 0.869089
Amount Units: ng/ml

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

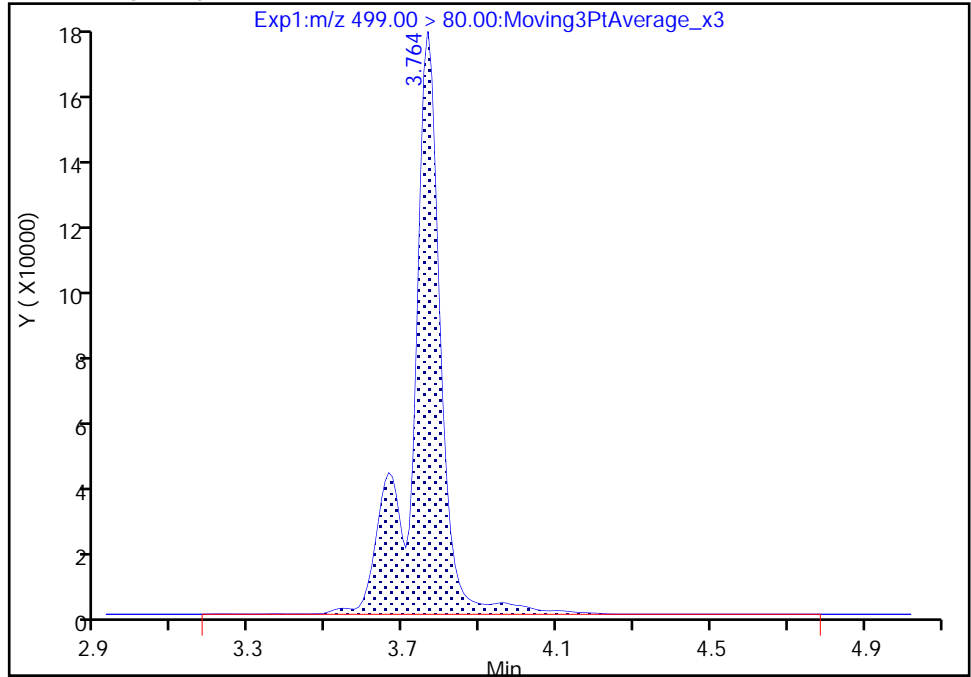
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

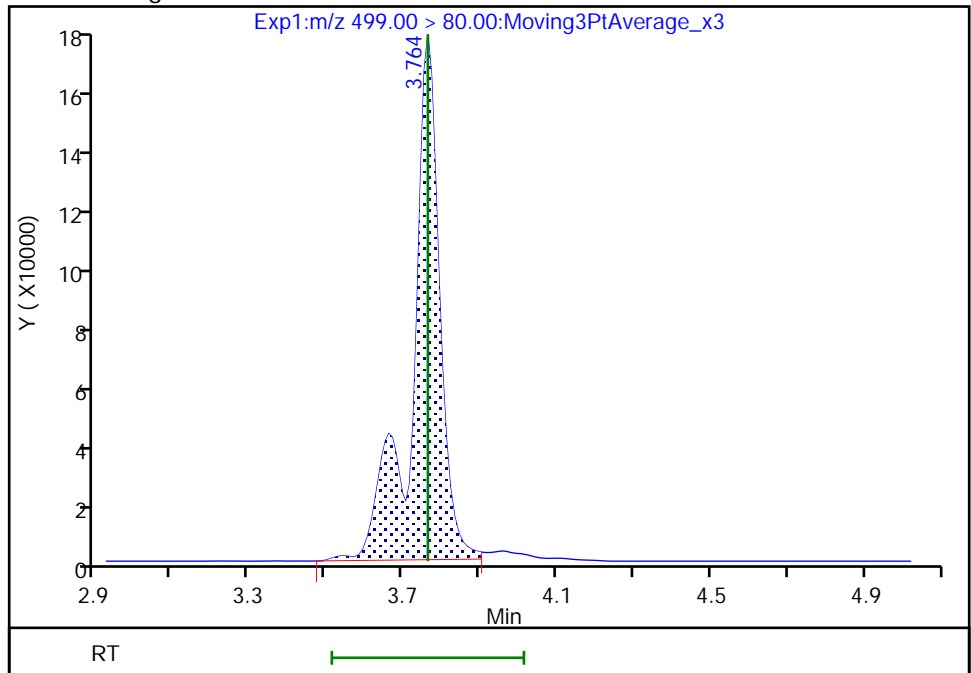
RT: 3.76
Area: 896764
Amount: 0.869089
Amount Units: ng/ml

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

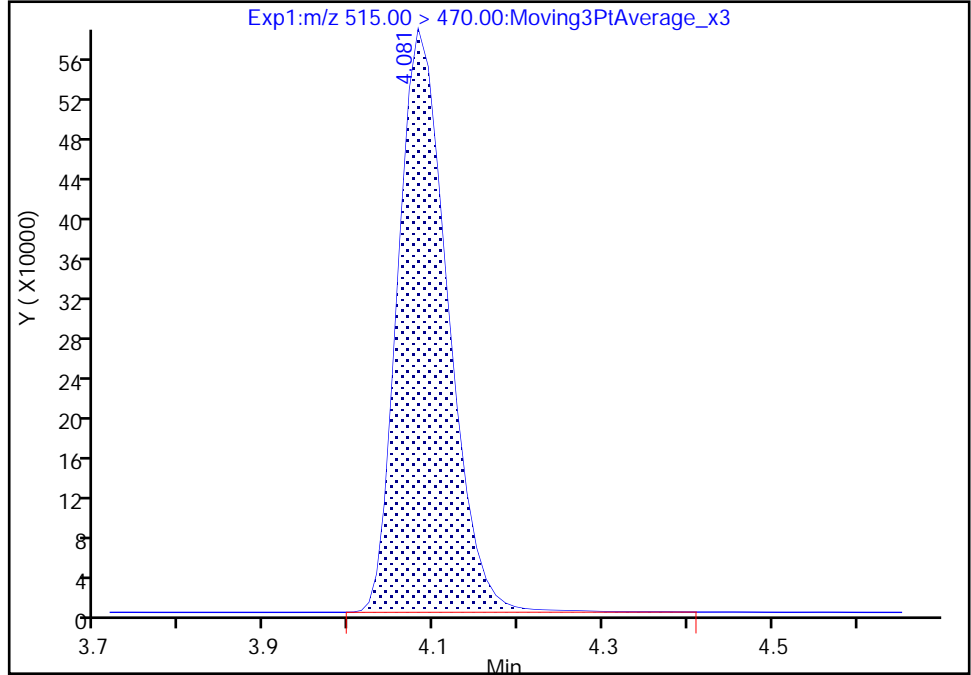
Eurofins Burlington

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

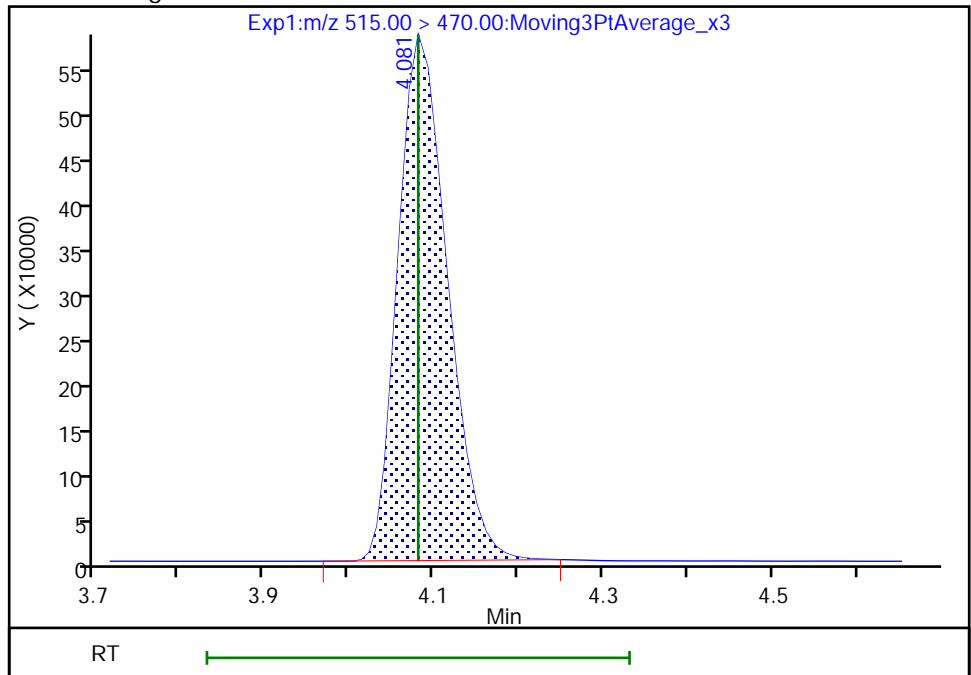
RT: 4.08
Area: 2402943
Amount: 1.278353
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 2384612
Amount: 1.249811
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

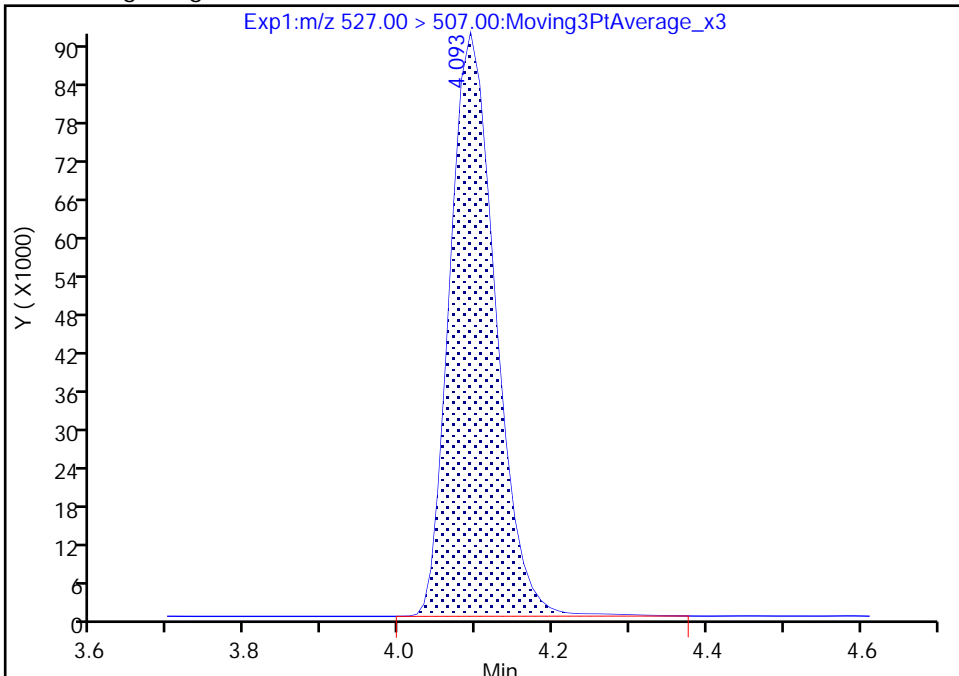
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

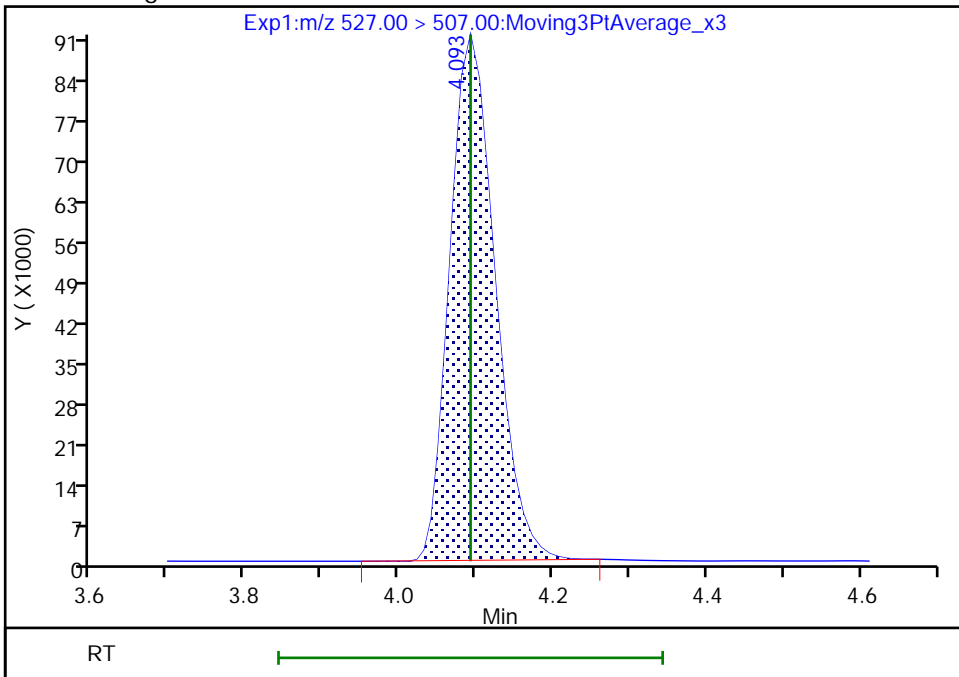
RT: 4.09
Area: 374620
Amount: 0.906768
Amount Units: ng/ml

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

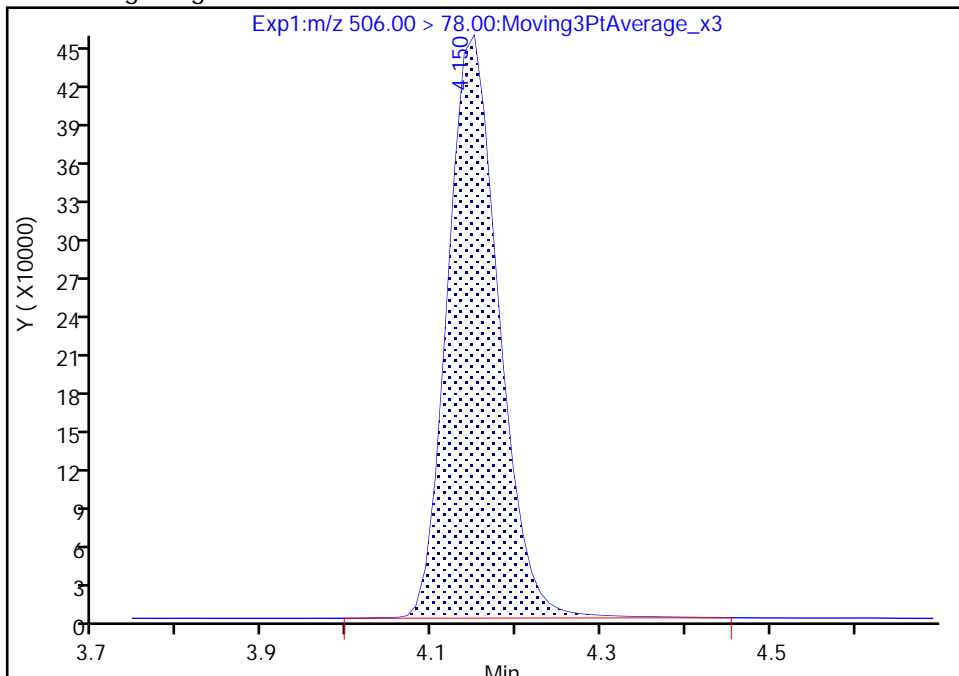
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

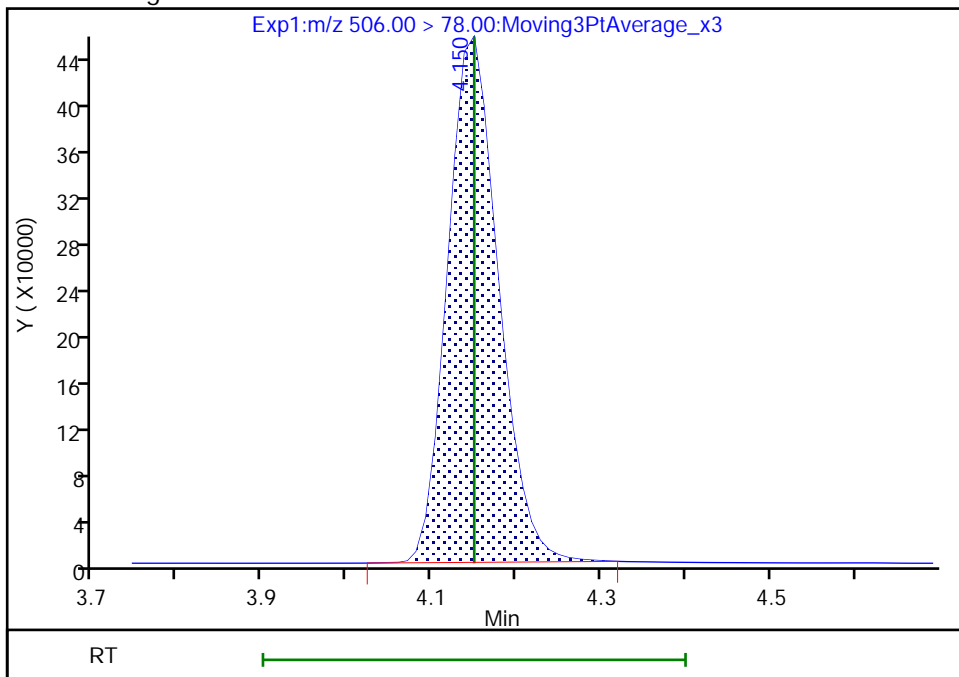
RT: 4.15
Area: 1894765
Amount: 1.237228
Amount Units: ng/ml

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

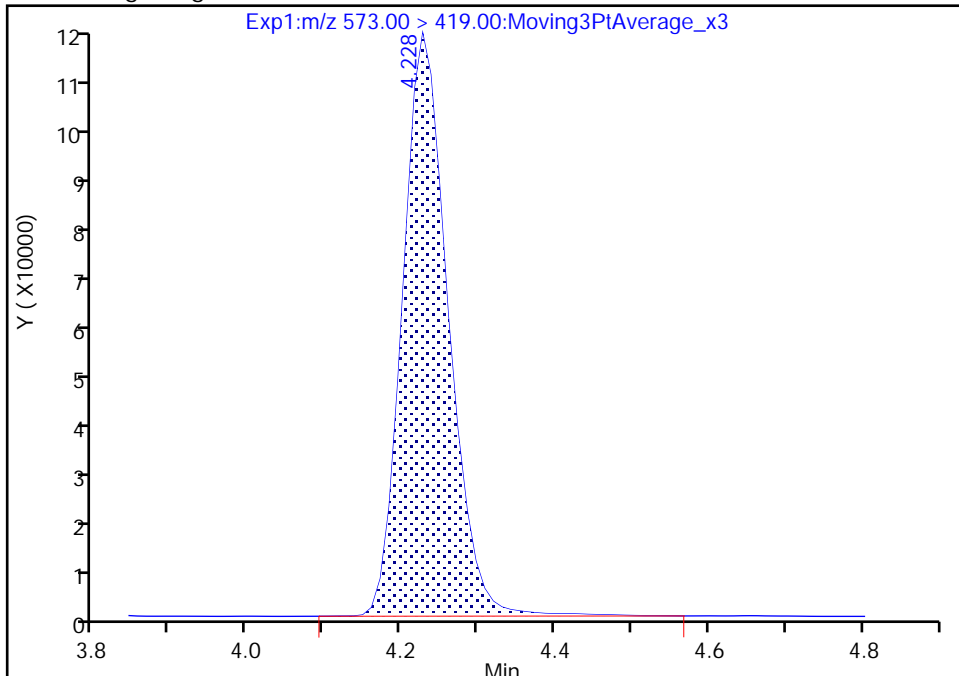
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

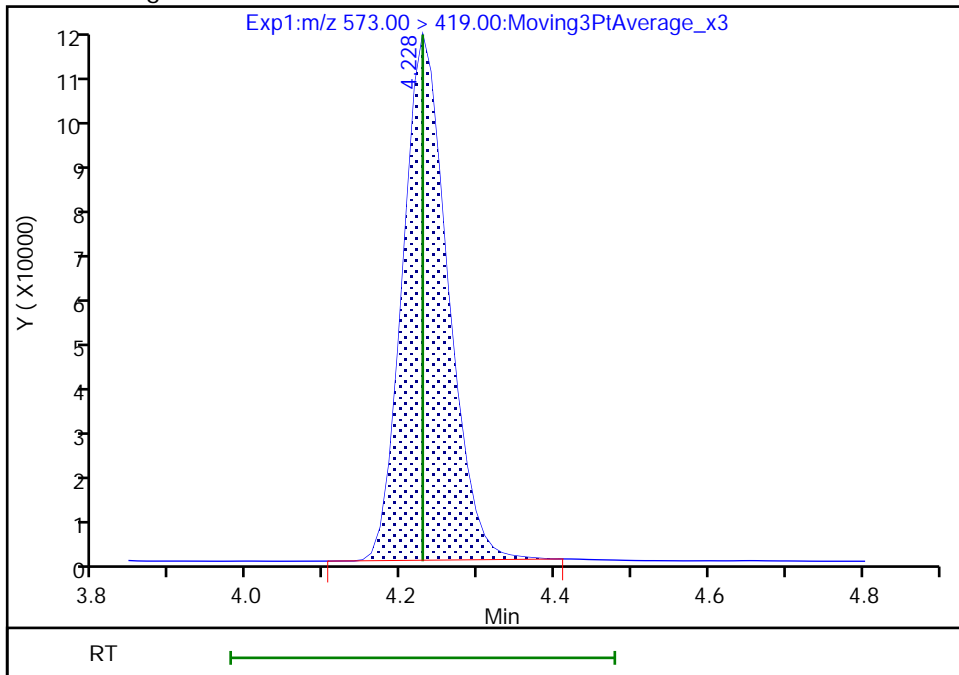
RT: 4.23
Area: 475916
Amount: 1.264715
Amount Units: ng/ml

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

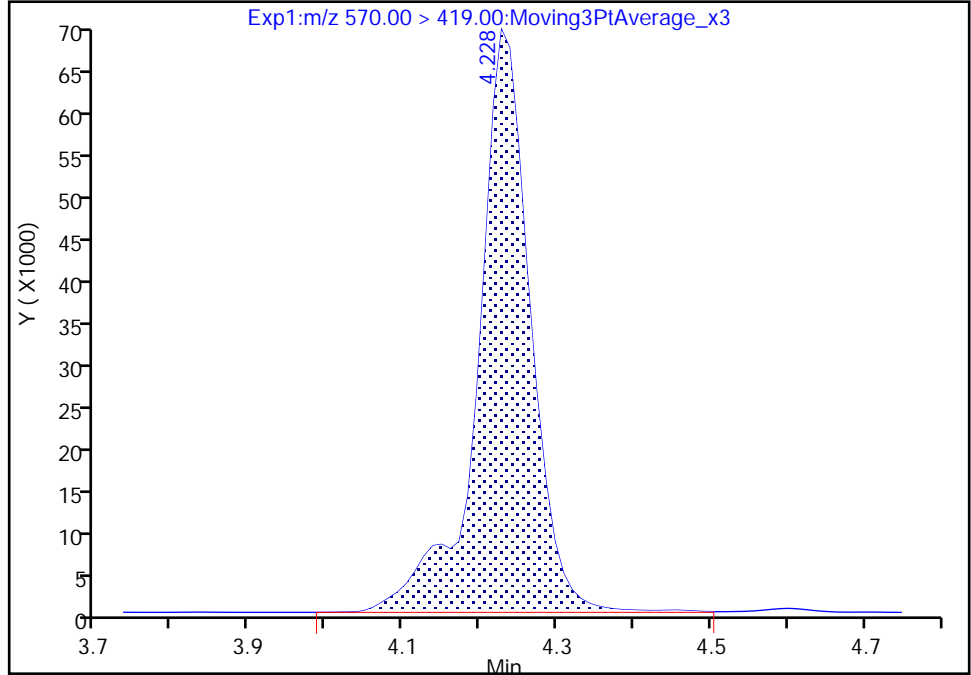
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

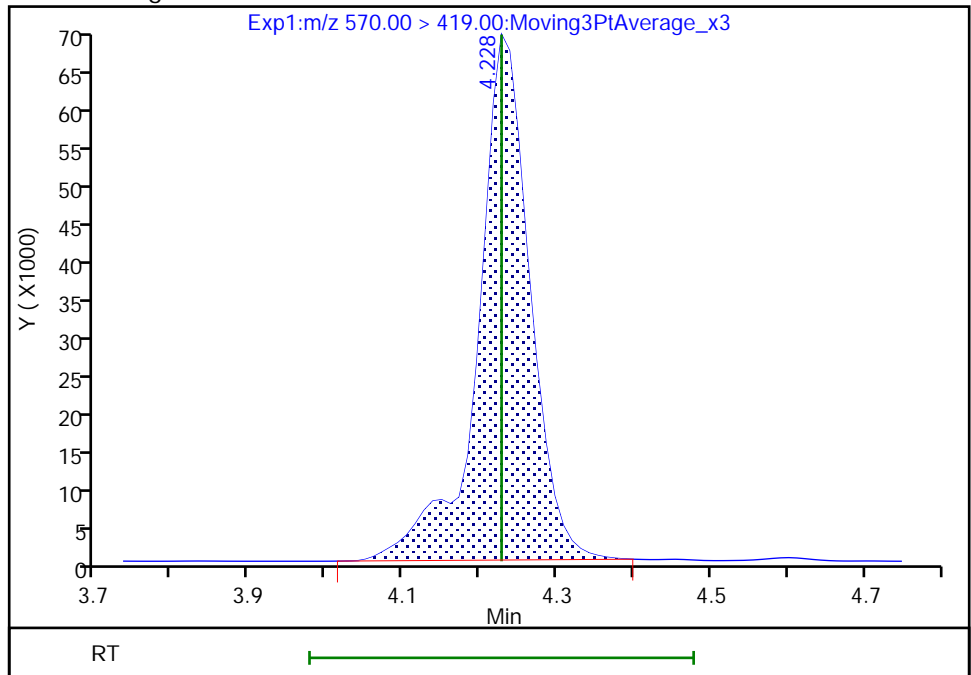
RT: 4.23
Area: 329390
Amount: 0.922352
Amount Units: ng/ml

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

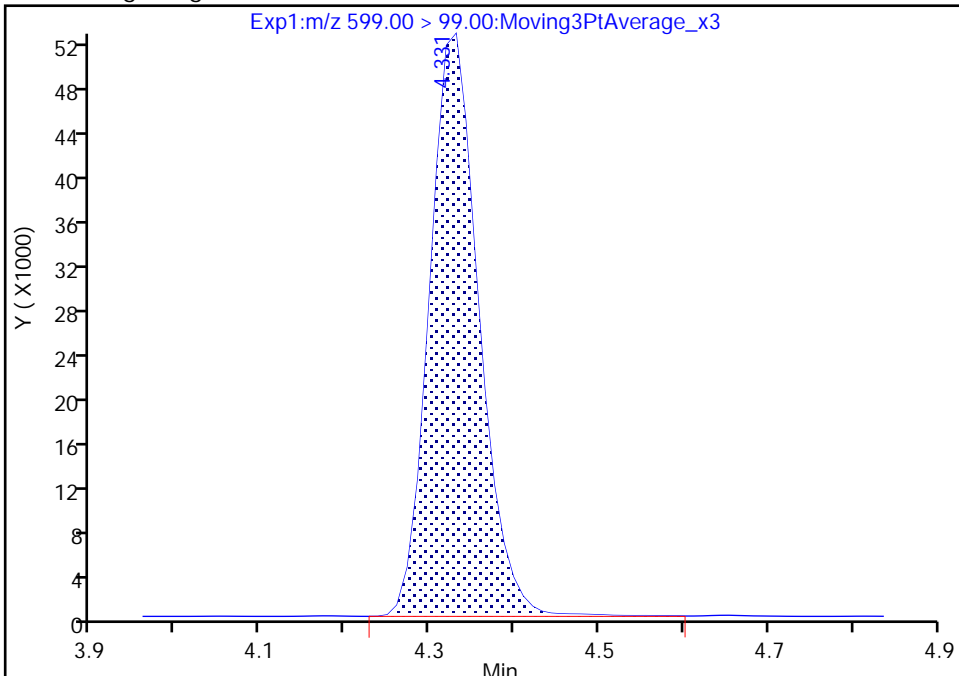
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

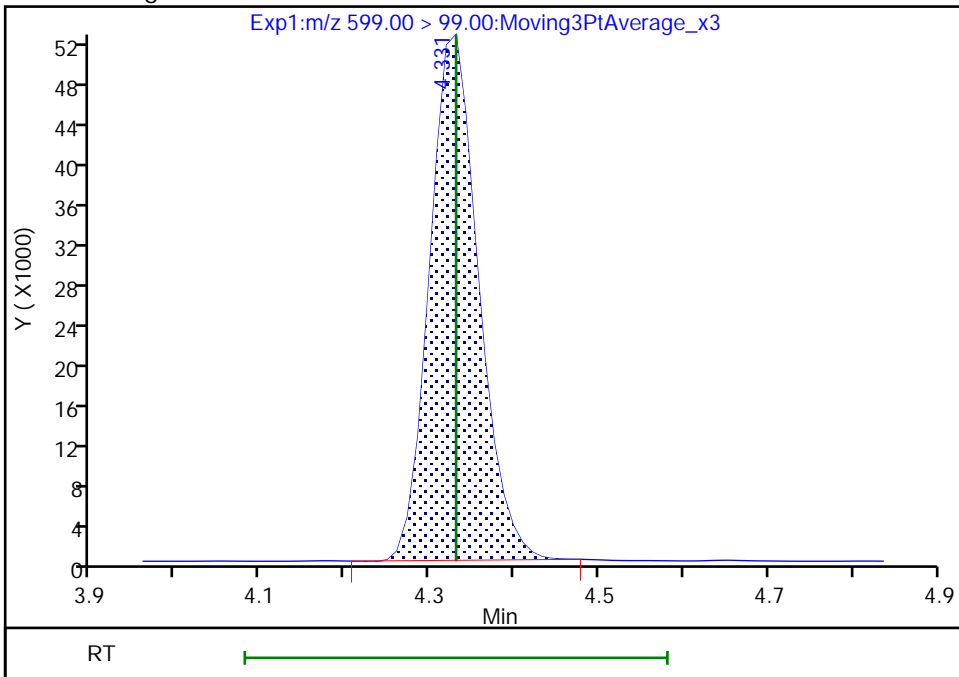
RT: 4.33
Area: 213157
Amount: 0.885111
Amount Units: ng/ml

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

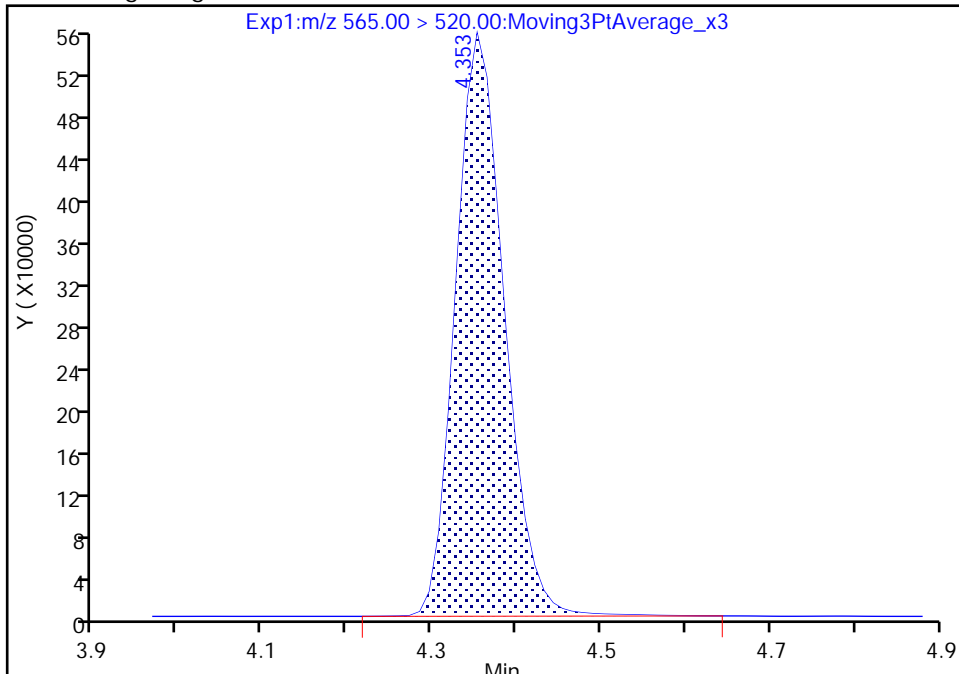
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

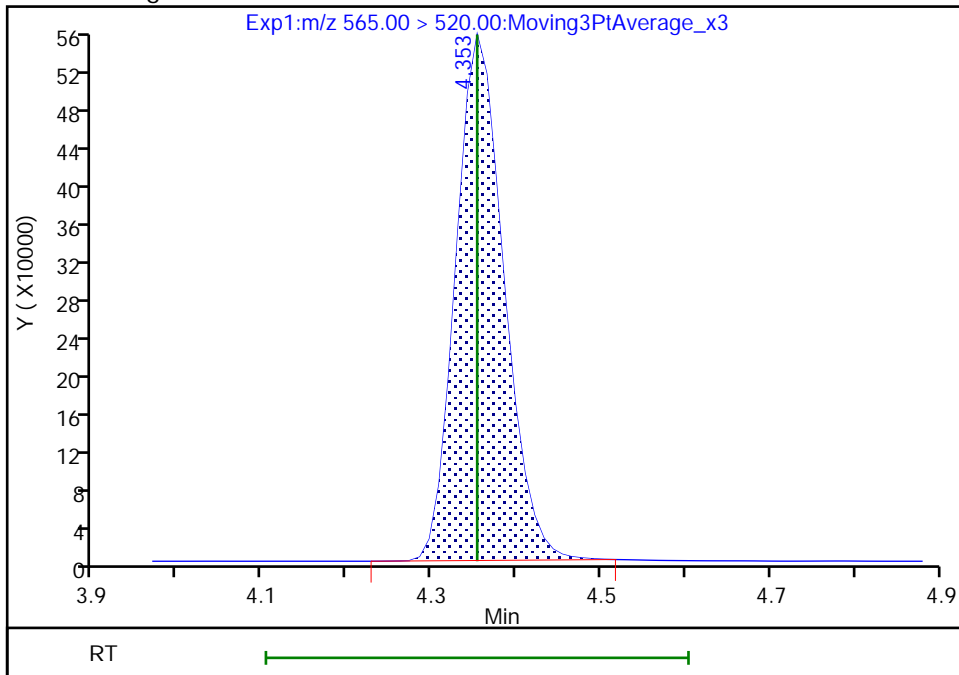
RT: 4.35
Area: 2200966
Amount: 1.263353
Amount Units: ng/ml

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
Page 276 of 939

Eurofins Burlington

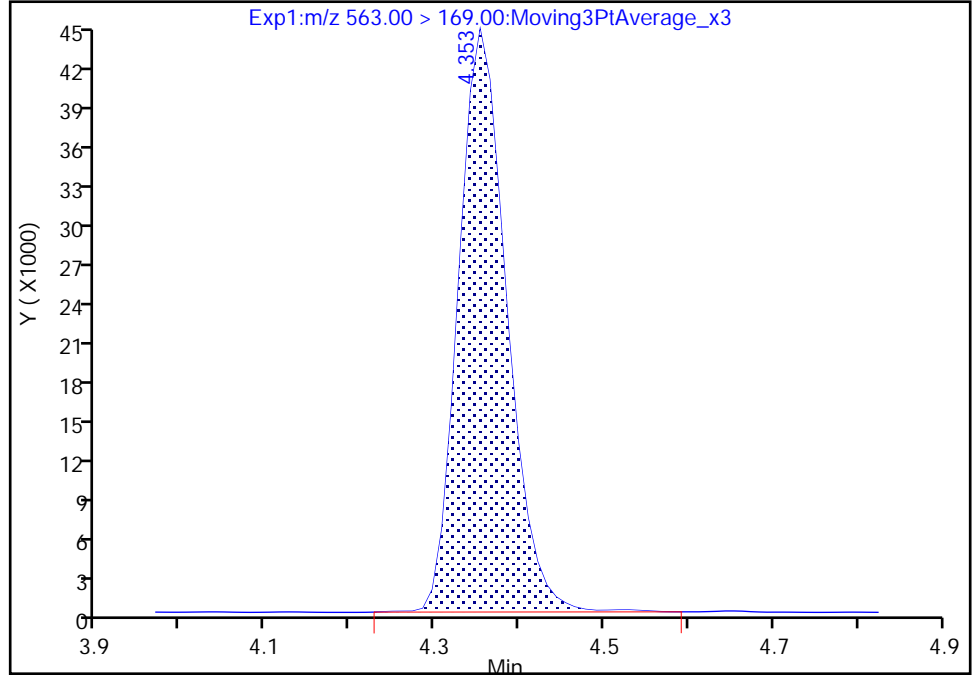
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

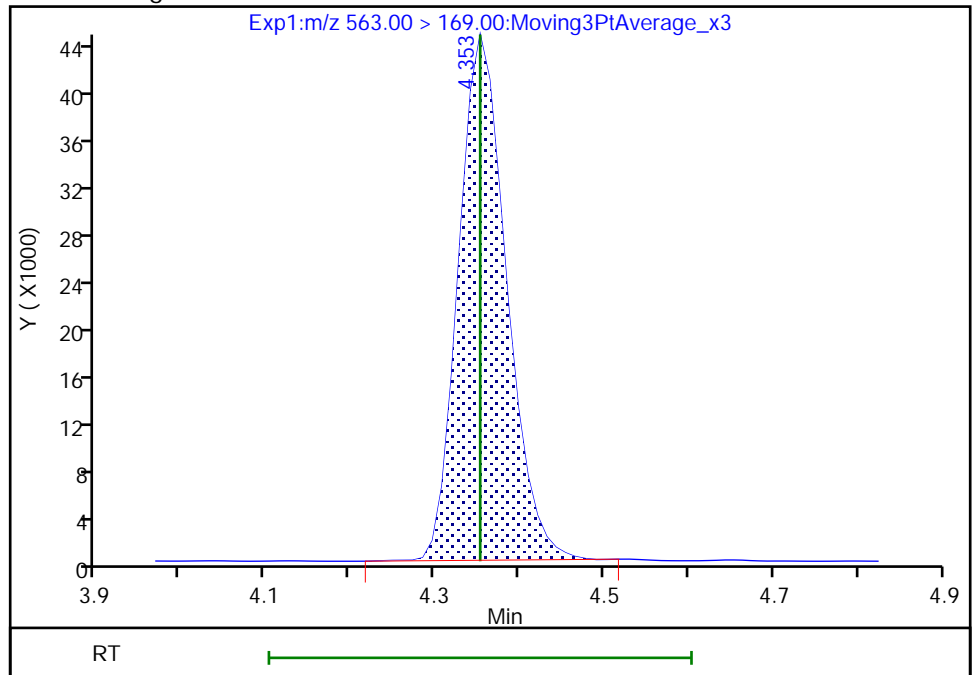
RT: 4.35
Area: 174513
Amount: 0.928435
Amount Units: ng/ml

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

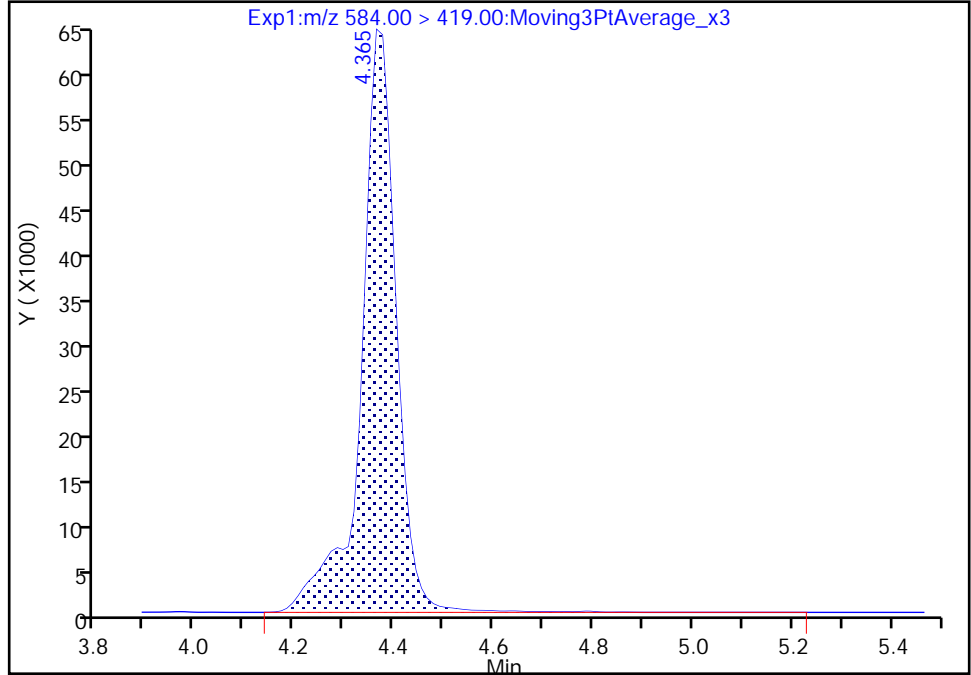
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

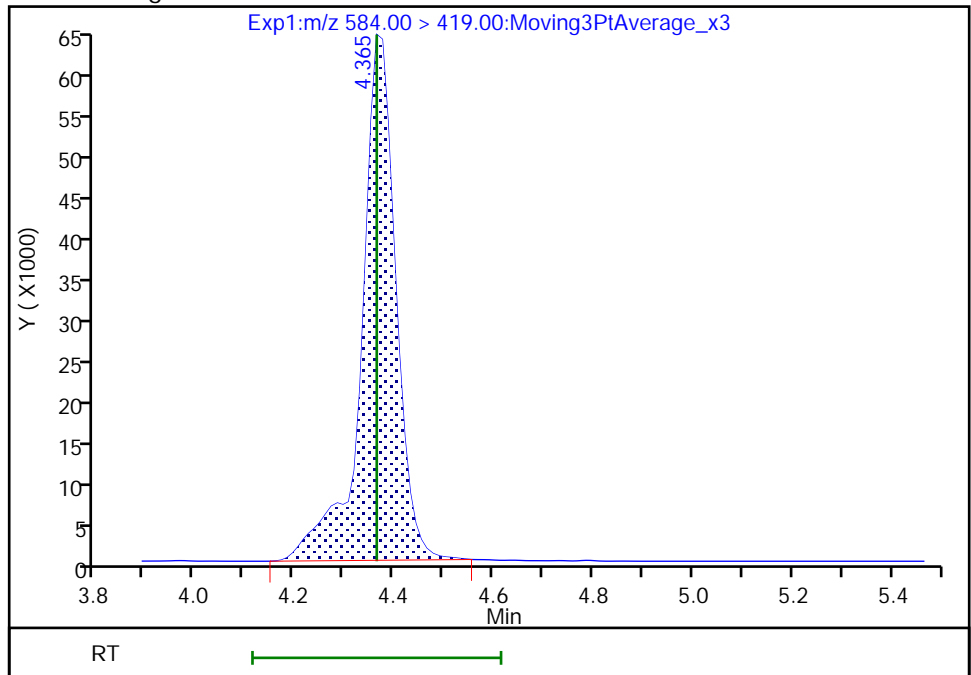
RT: 4.36
Area: 315423
Amount: 0.928970
Amount Units: ng/ml

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

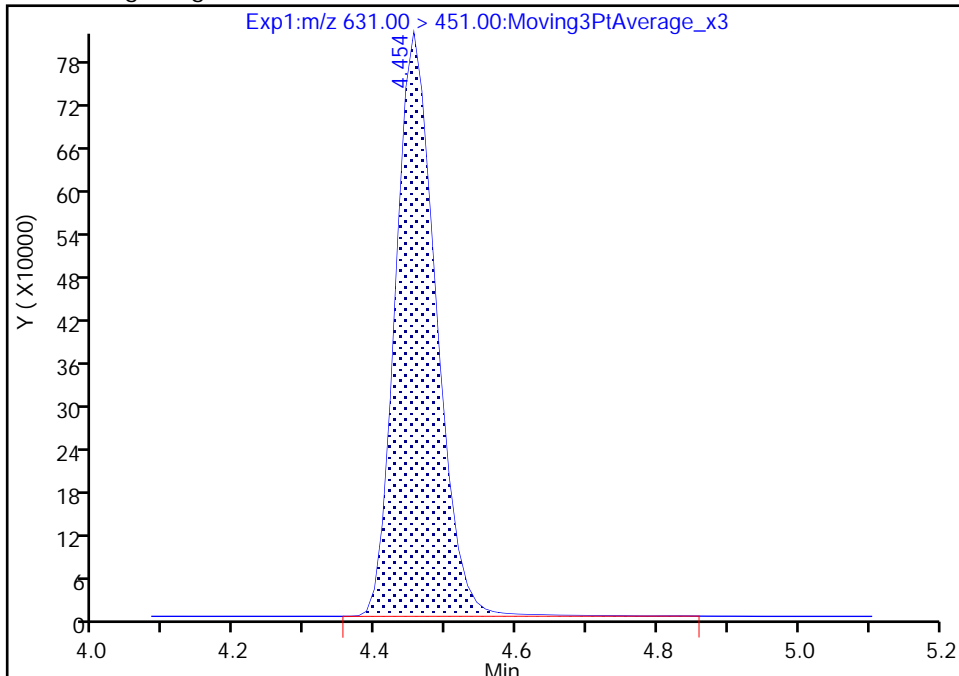
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

66 11-Chloroeicosafuoro-3-oxaundec, CAS: 763051-92-9

Signal: 1

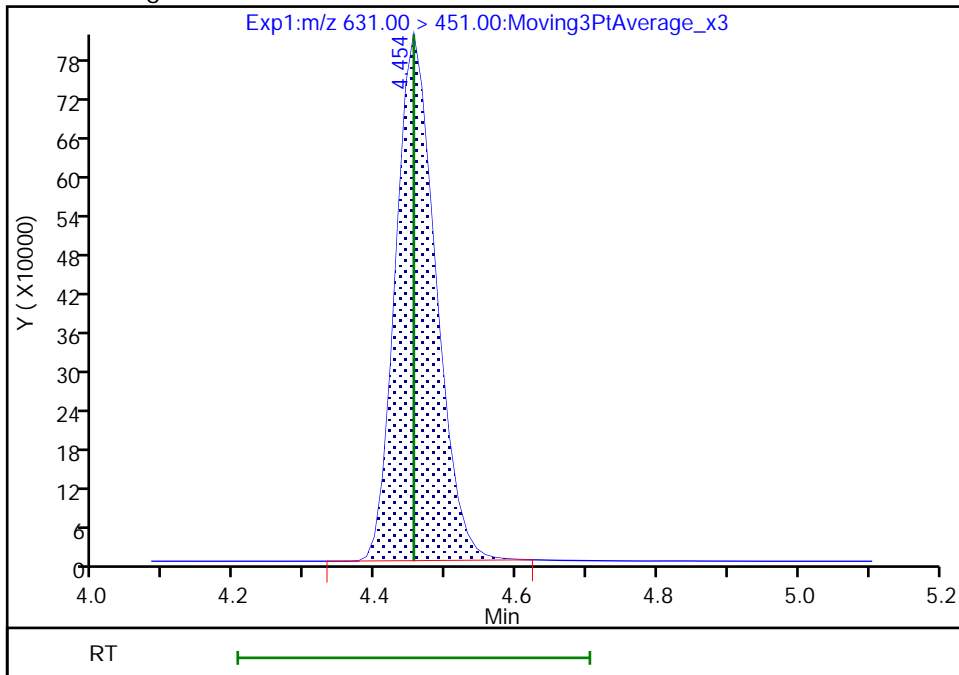
RT: 4.45
Area: 3251099
Amount: 0.891288
Amount Units: ng/ml

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

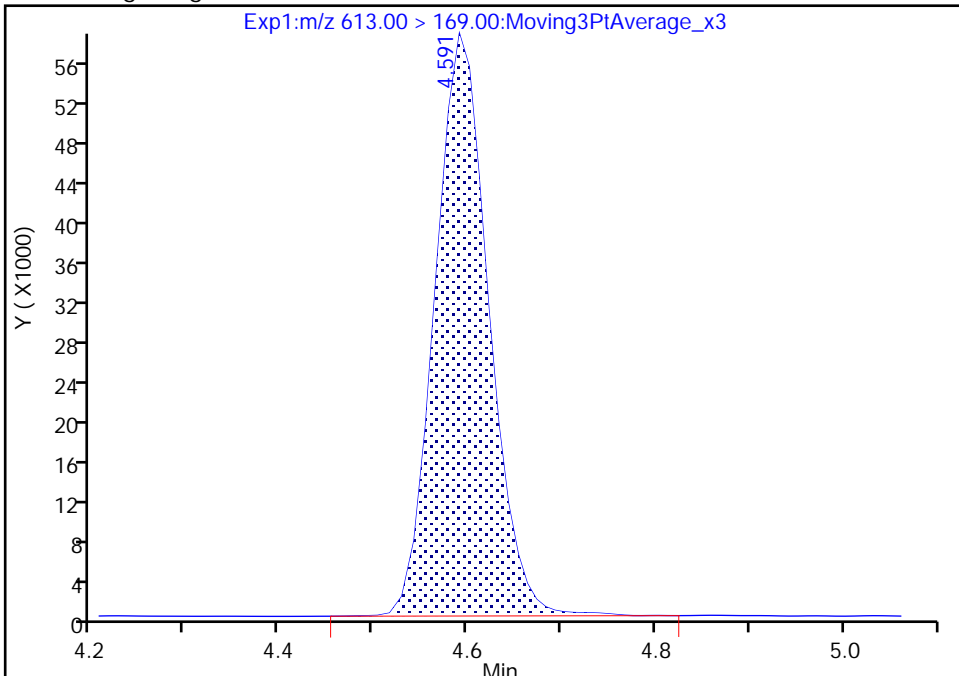
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

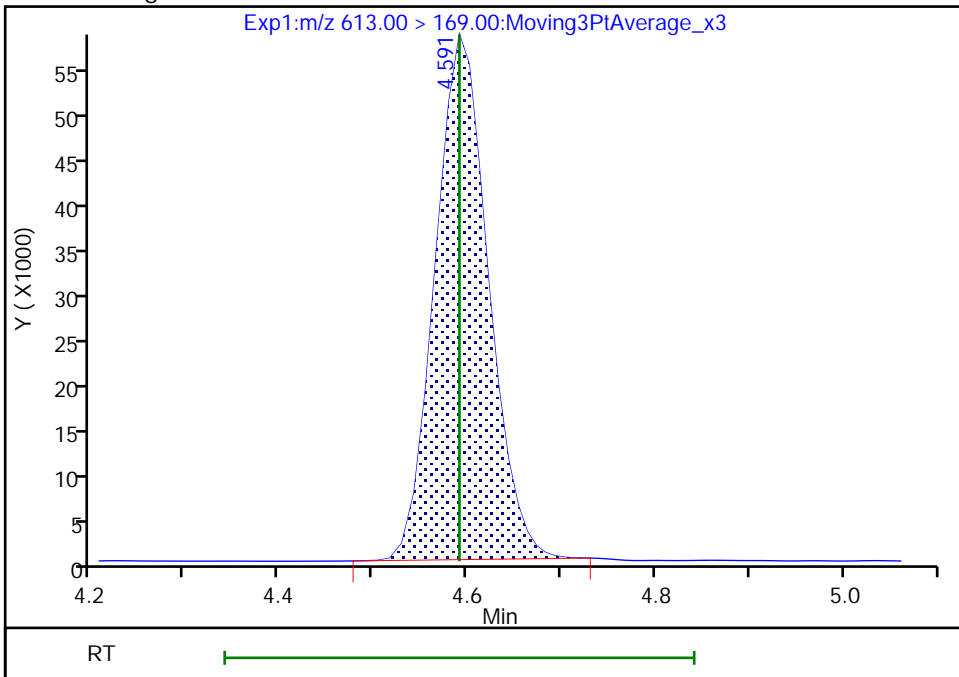
RT: 4.59
Area: 232486
Amount: 0.925204
Amount Units: ng/ml

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

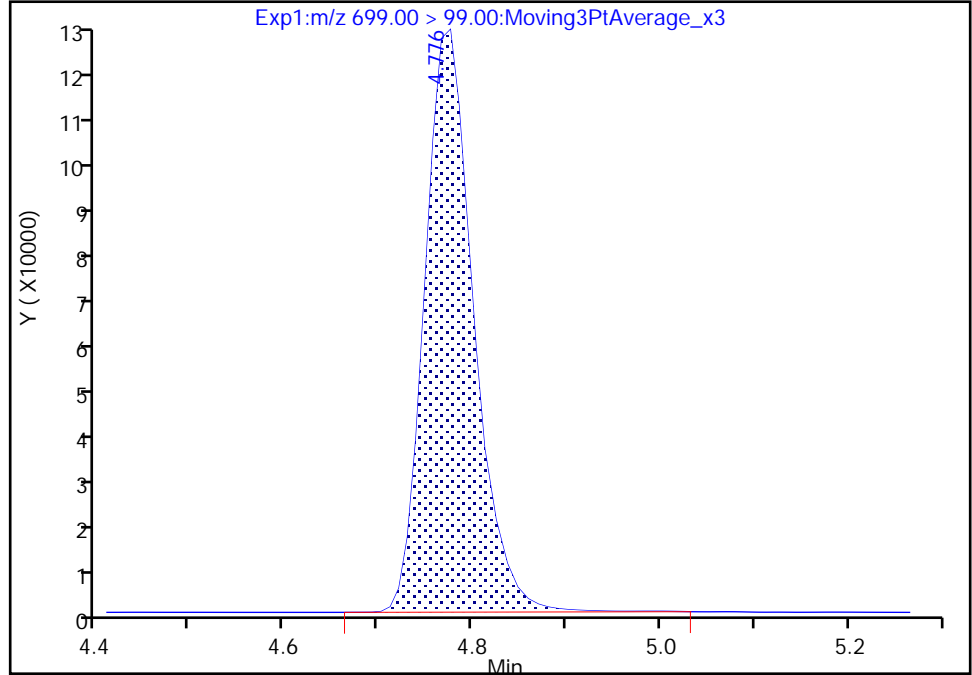
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

75 Perfluorododecanesulfonic acid (, CAS: 79780-39-5

Signal: 2

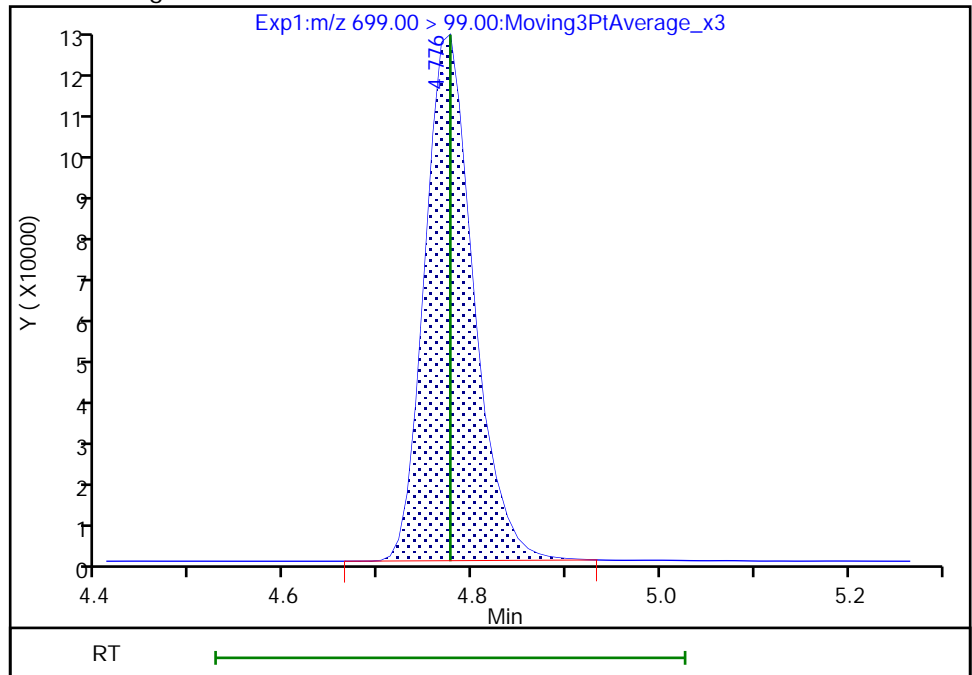
RT: 4.78
Area: 456526
Amount: 0.896225
Amount Units: ng/ml

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

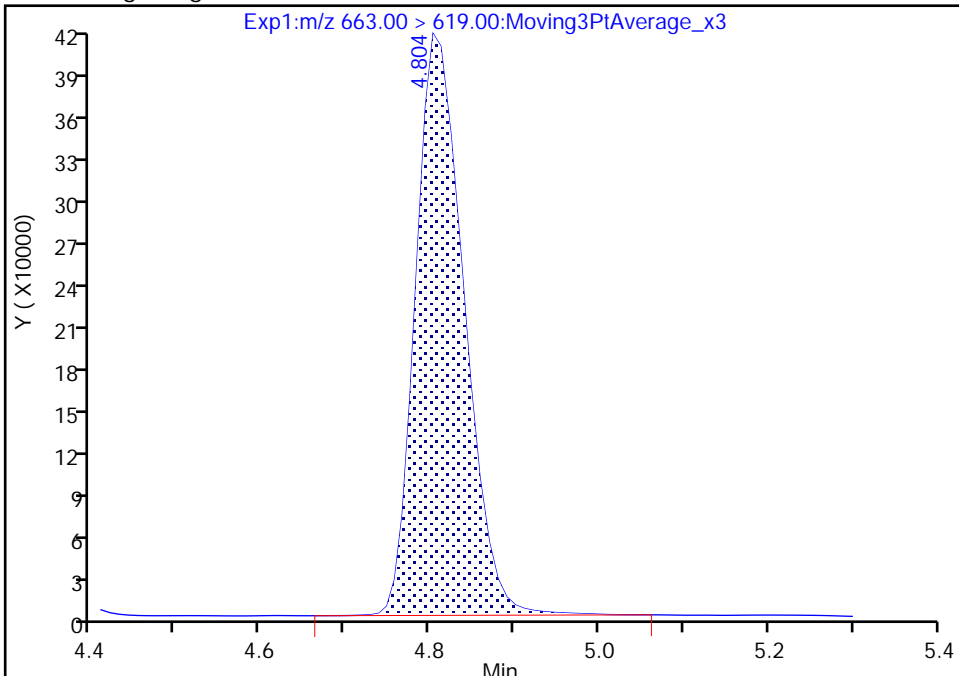
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

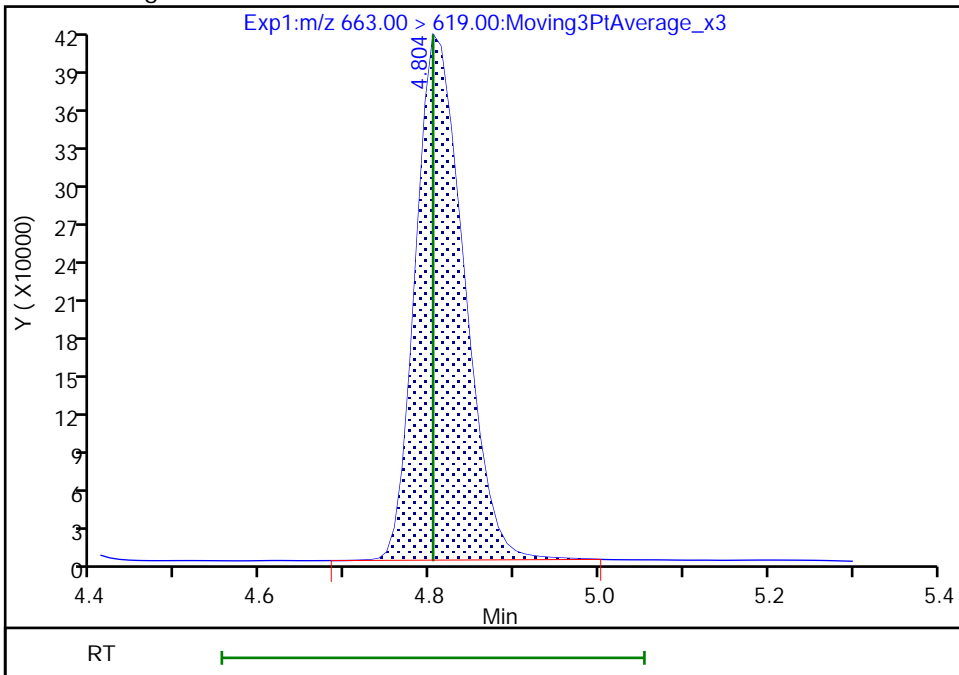
RT: 4.80
Area: 1636646
Amount: 0.895241
Amount Units: ng/ml

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

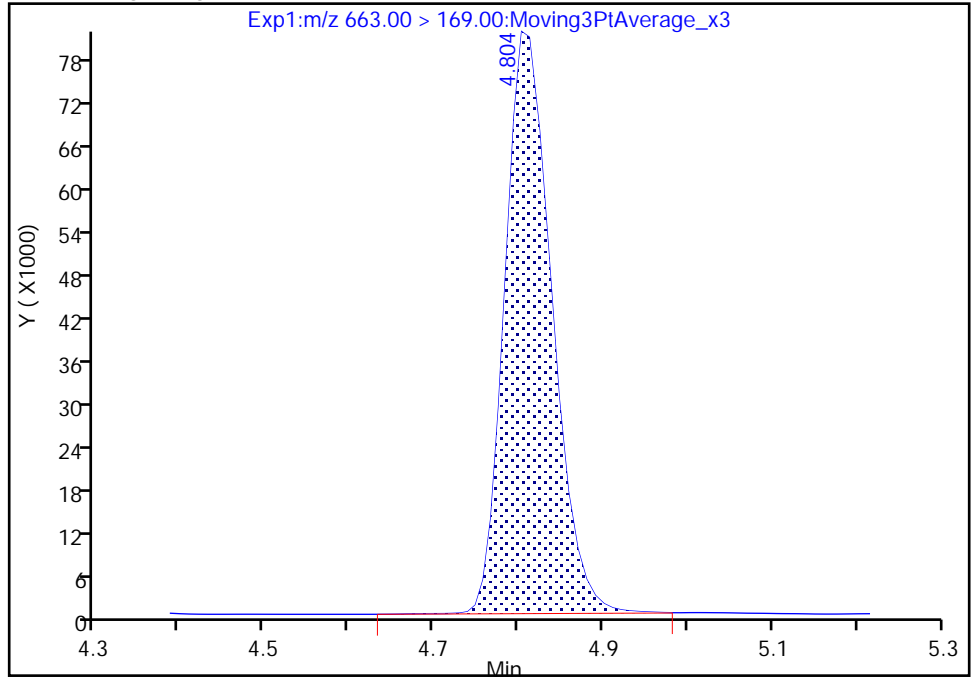
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

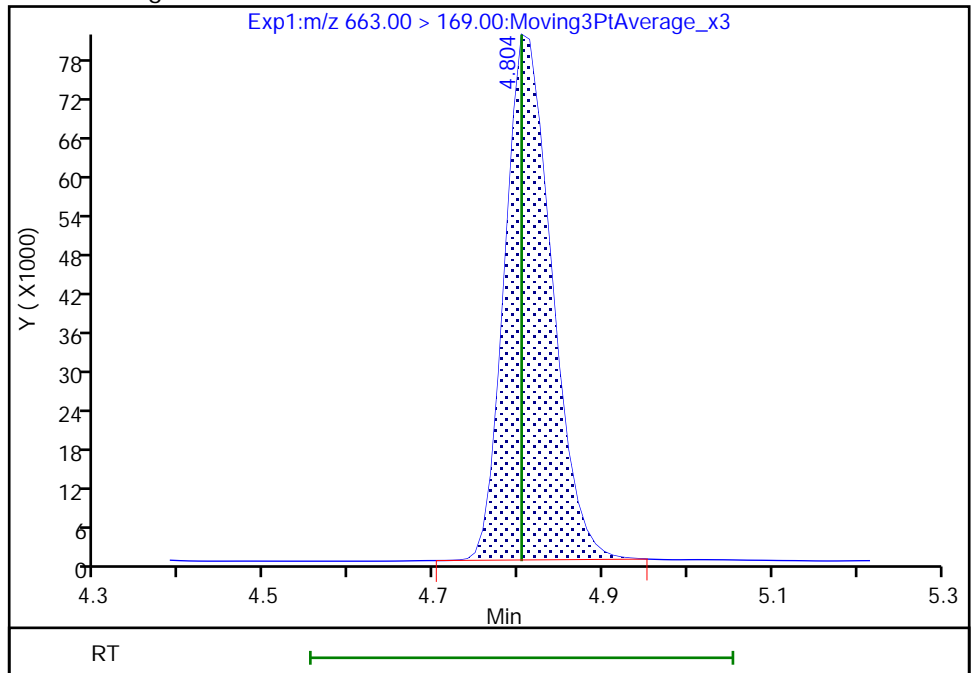
RT: 4.80
Area: 315364
Amount: 0.895241
Amount Units: ng/ml

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

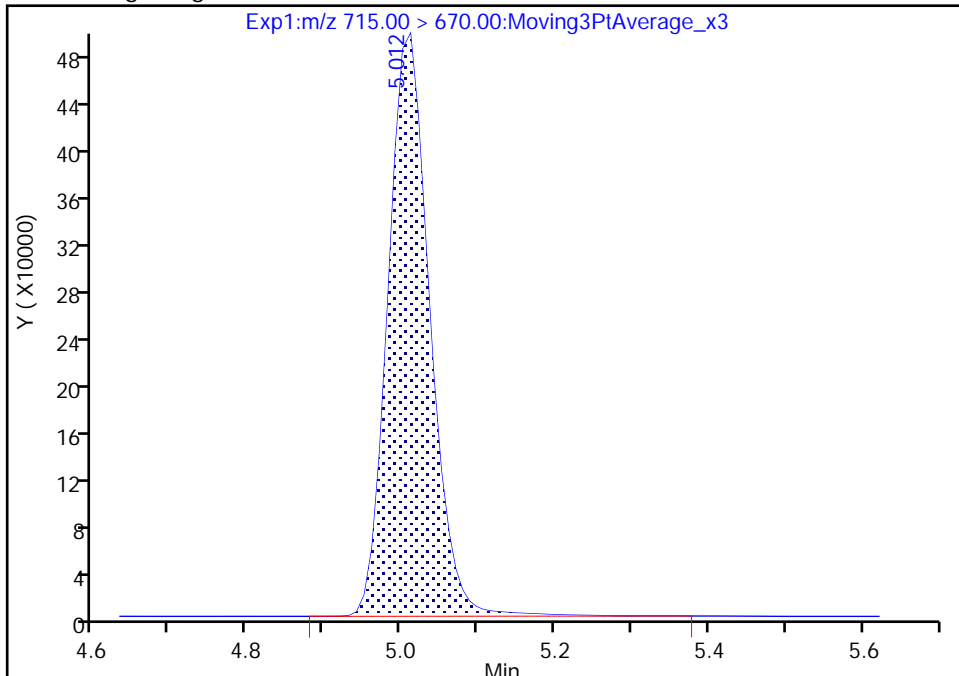
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

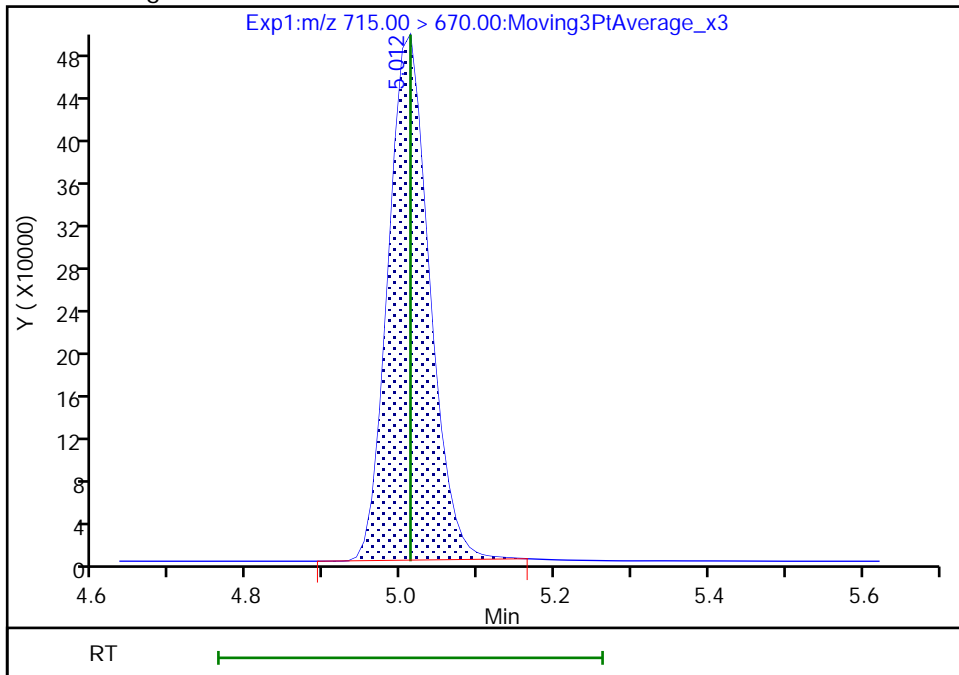
RT: 5.01
Area: 1869315
Amount: 1.228467
Amount Units: ng/ml

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

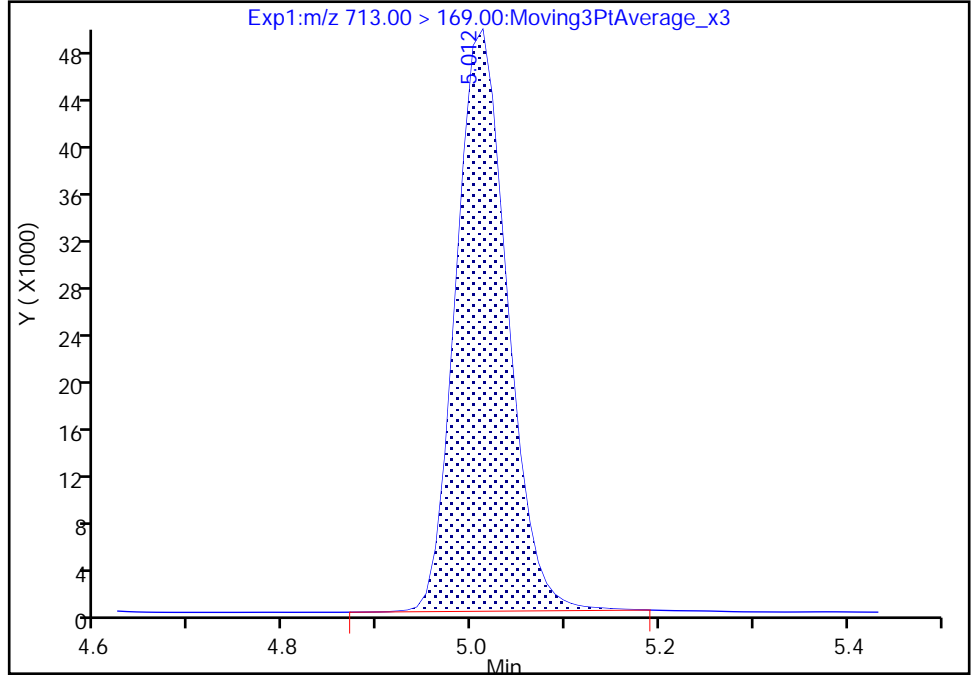
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

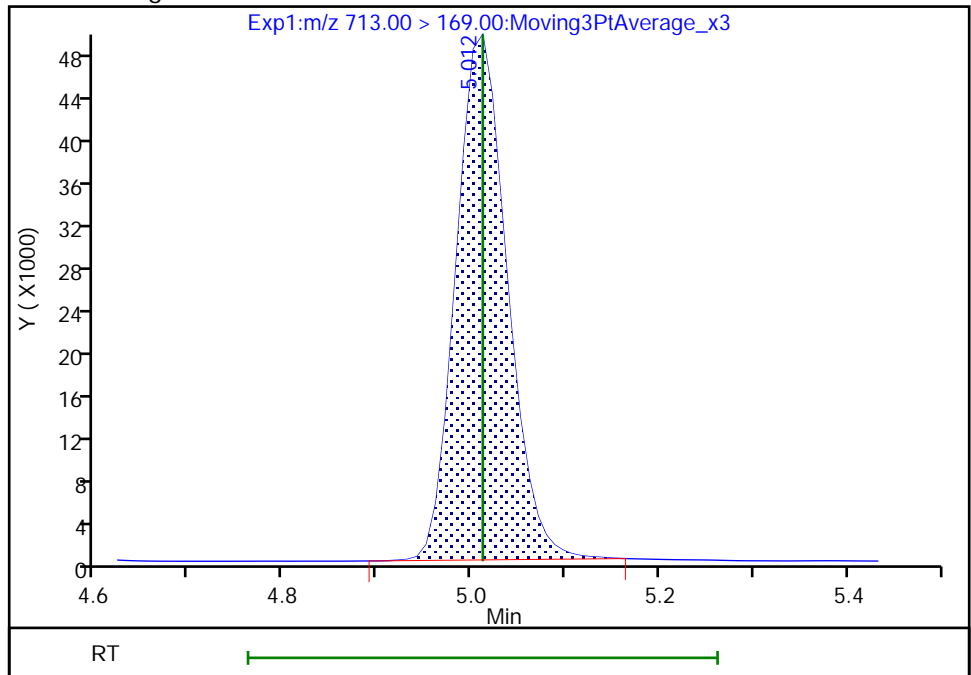
RT: 5.01
Area: 189104
Amount: 0.906114
Amount Units: ng/ml

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

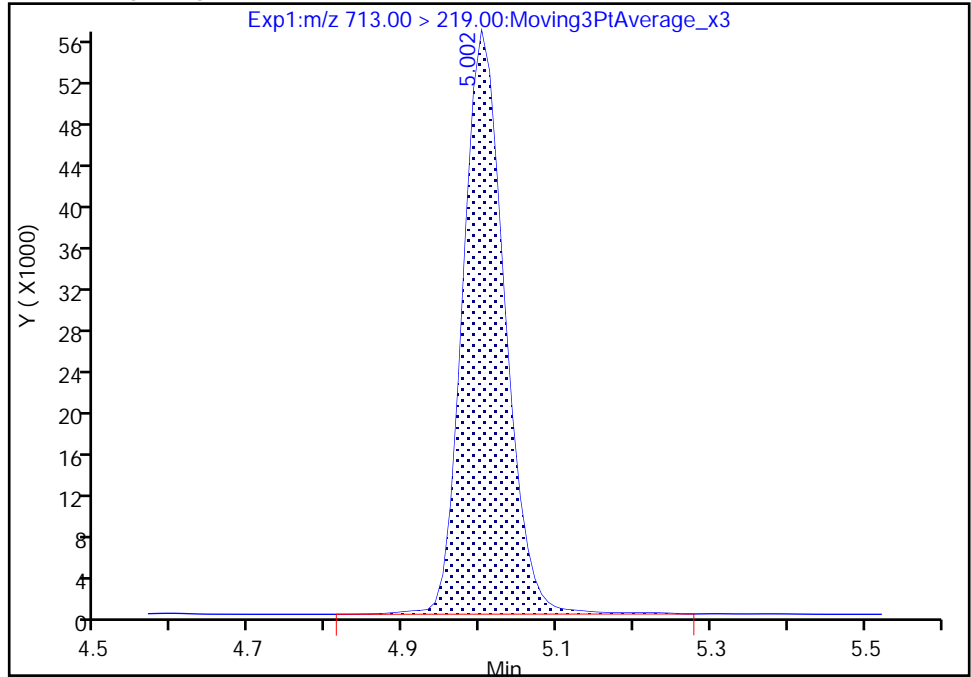
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

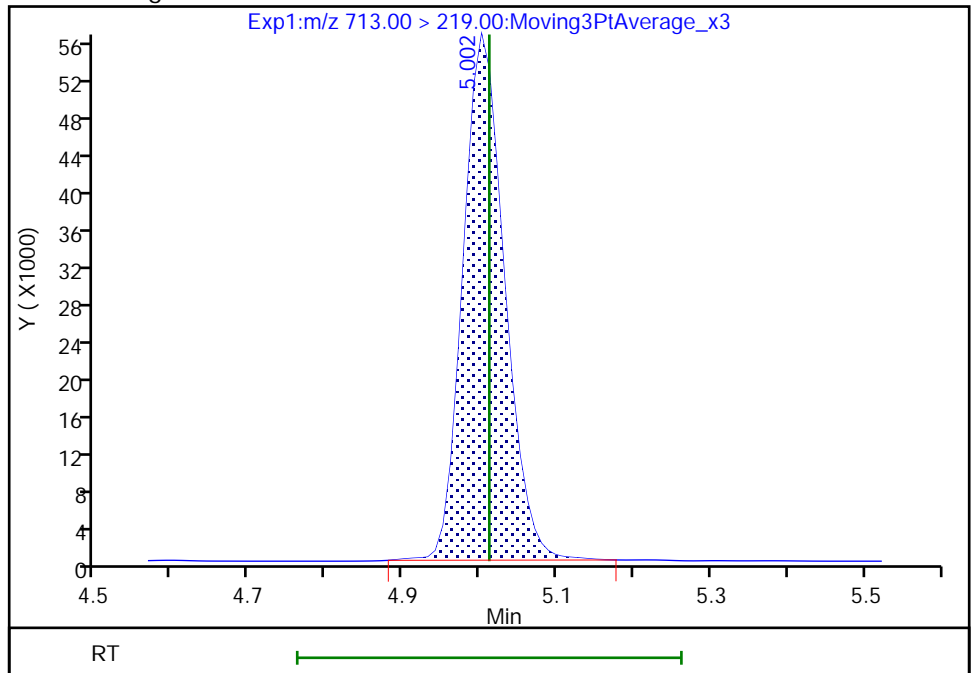
RT: 5.00
Area: 214481
Amount: 0.906114
Amount Units: ng/ml

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

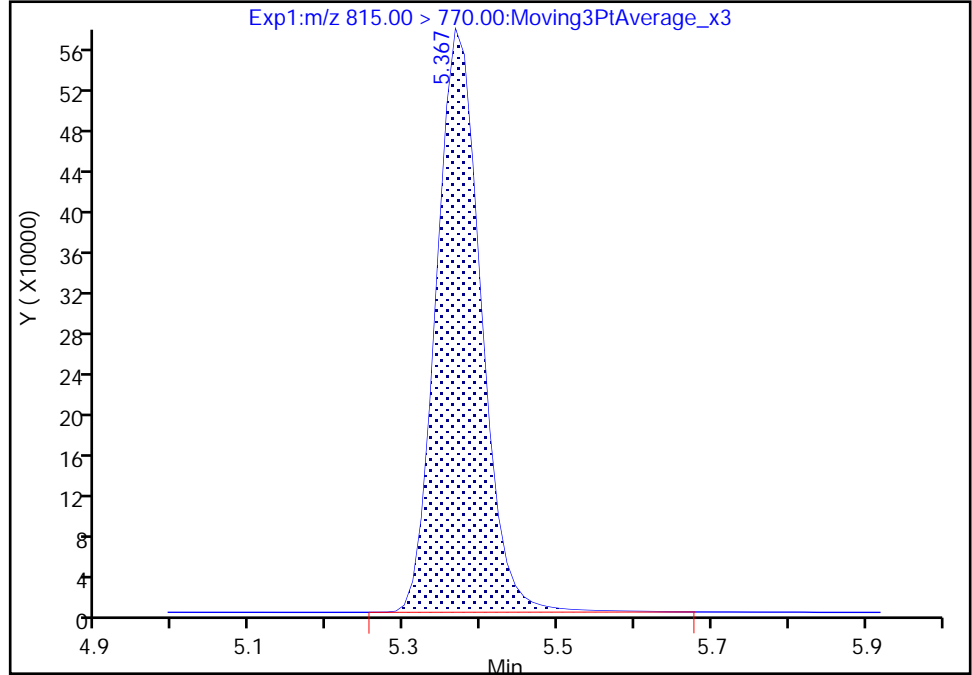
Eurofins Burlington

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

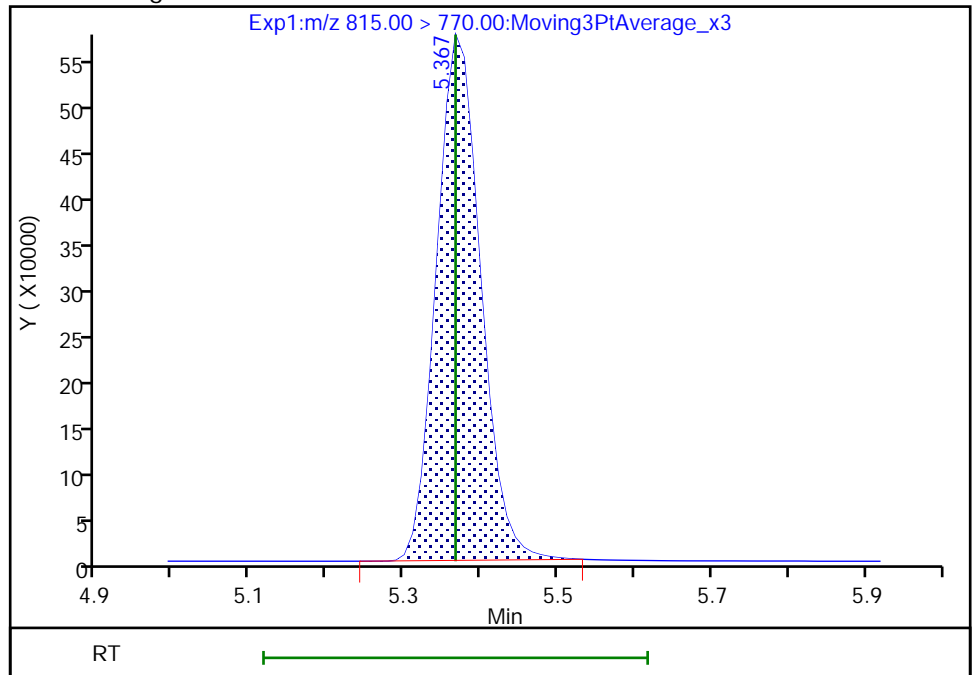
RT: 5.37
Area: 2303023
Amount: 1.224939
Amount Units: ng/ml

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

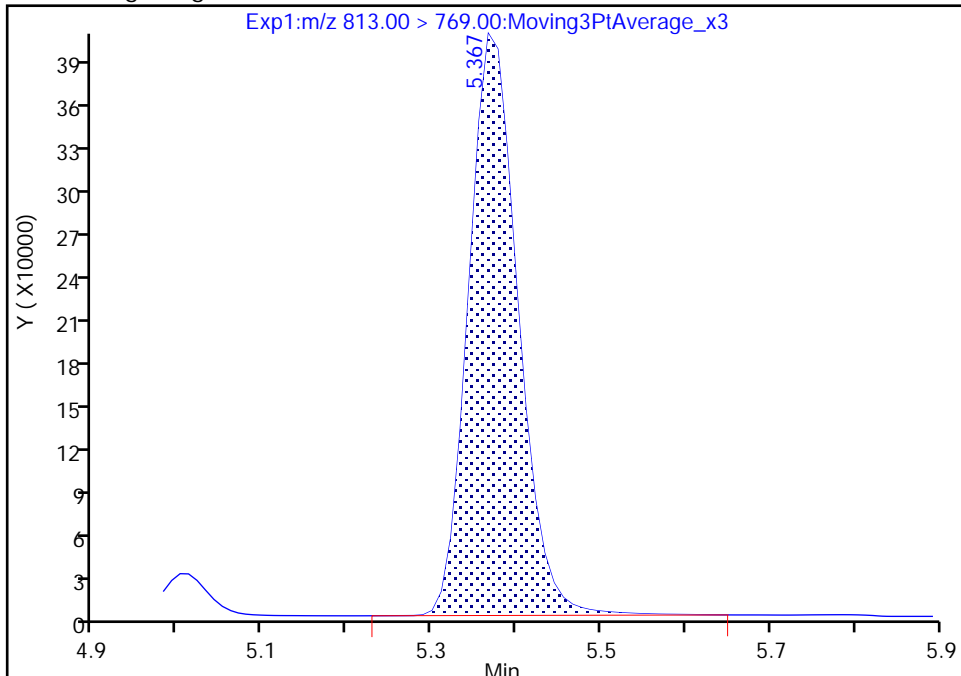
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

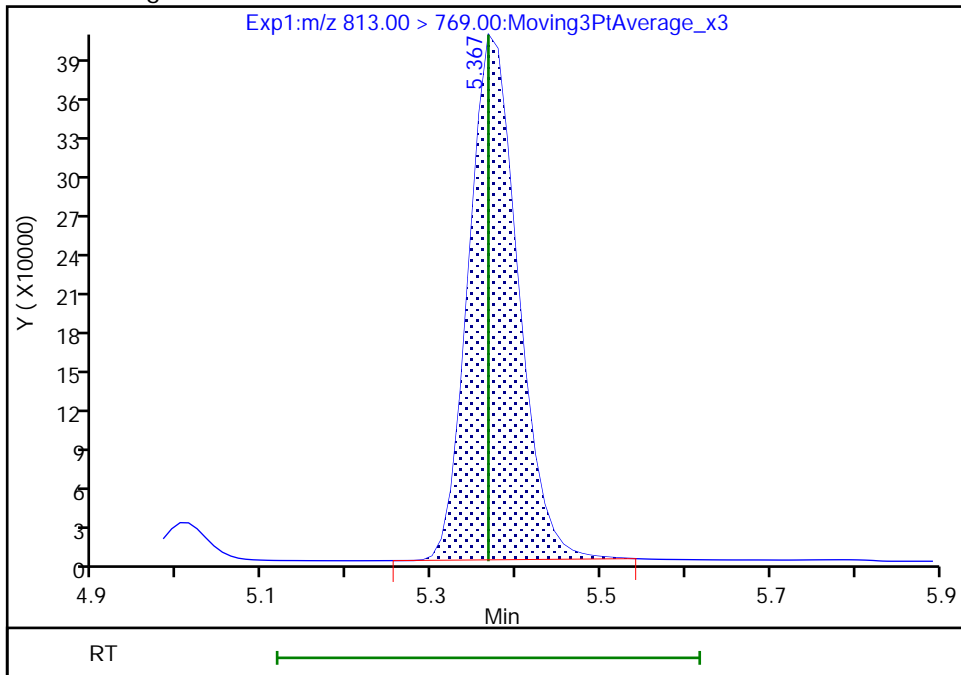
RT: 5.37
Area: 1646621
Amount: 0.957003
Amount Units: ng/ml

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

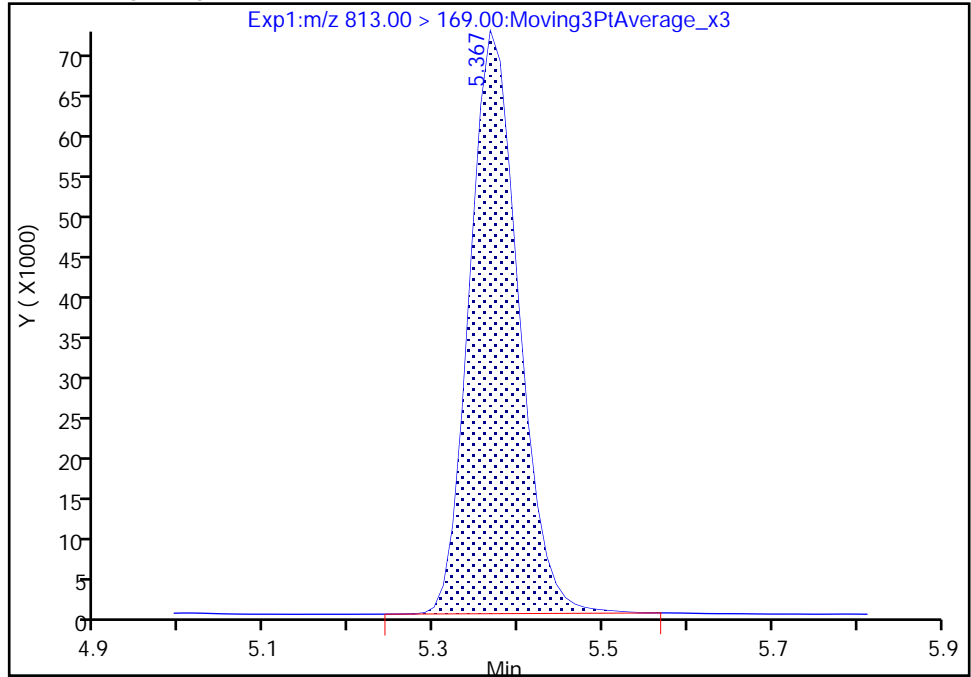
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

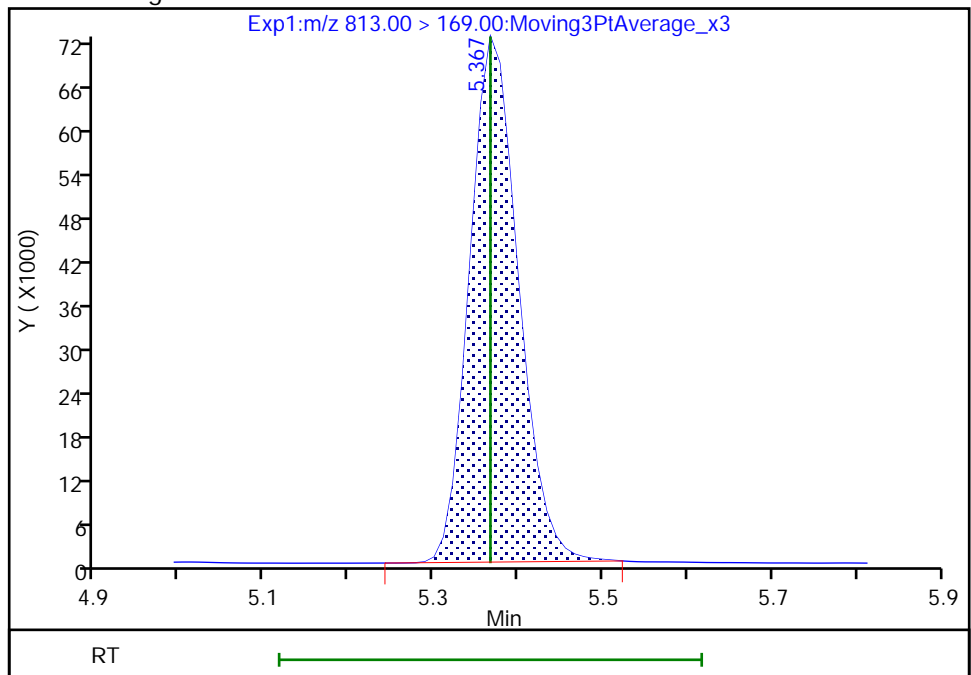
RT: 5.37
Area: 290873
Amount: 0.957003
Amount Units: ng/ml

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

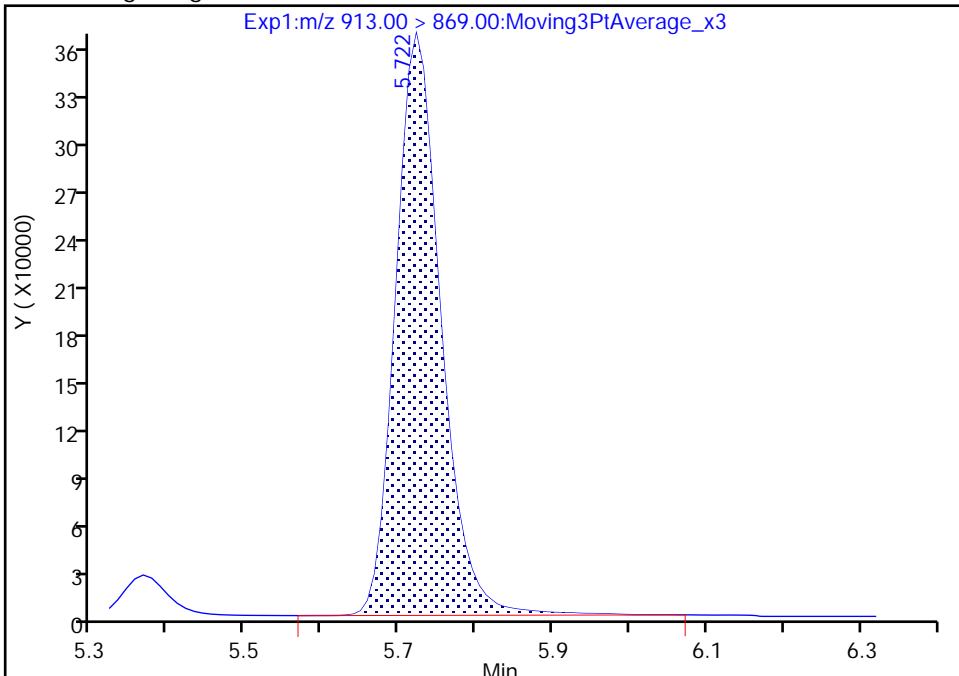
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

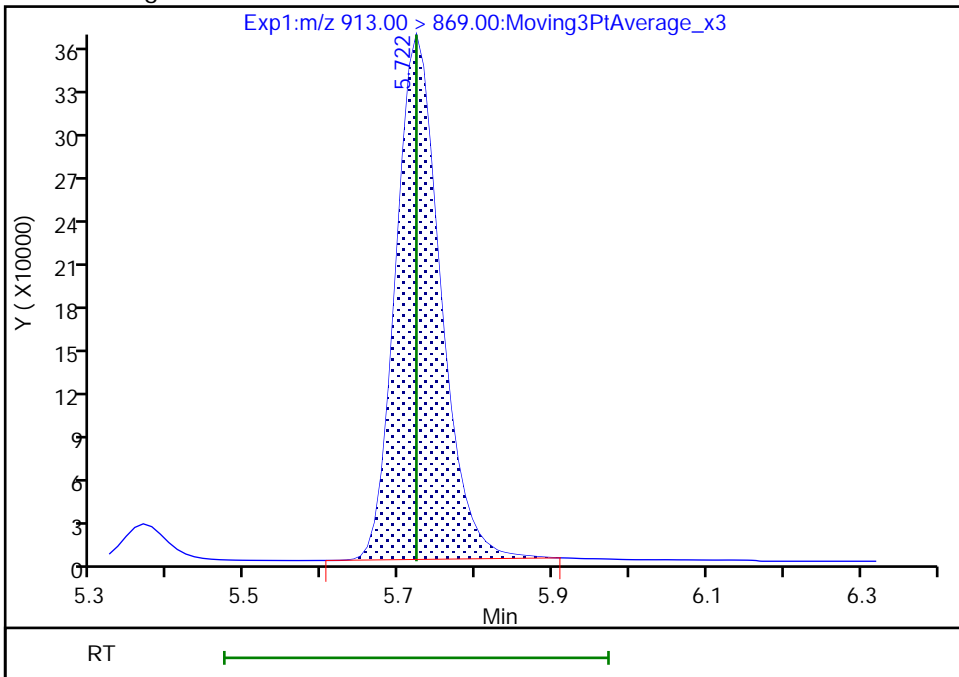
RT: 5.72
Area: 1494015
Amount: 0.963448
Amount Units: ng/ml

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
Page 290 of 939

Eurofins Burlington

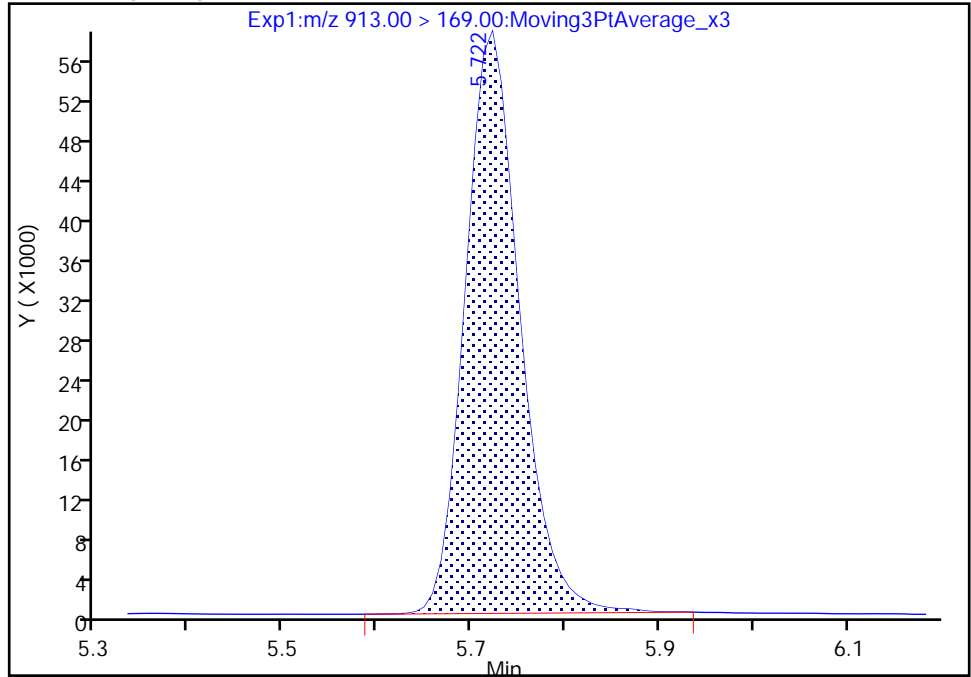
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

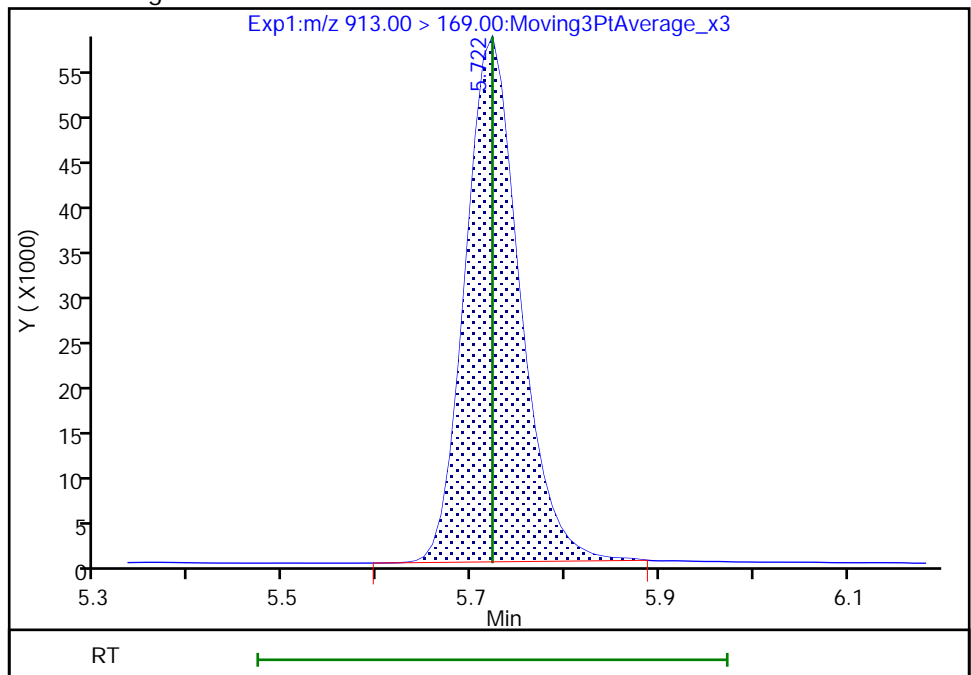
RT: 5.72
Area: 237553
Amount: 0.963448
Amount Units: ng/ml

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
Page 291 of 939

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

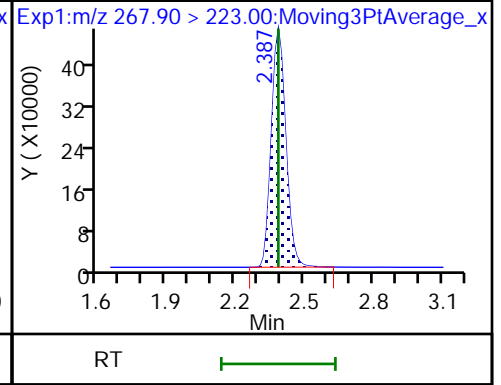
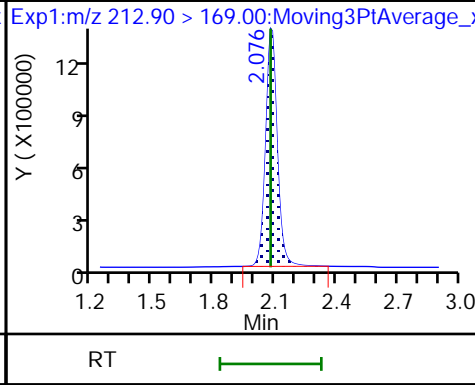
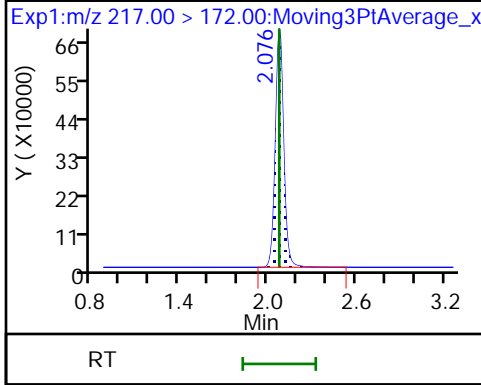
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

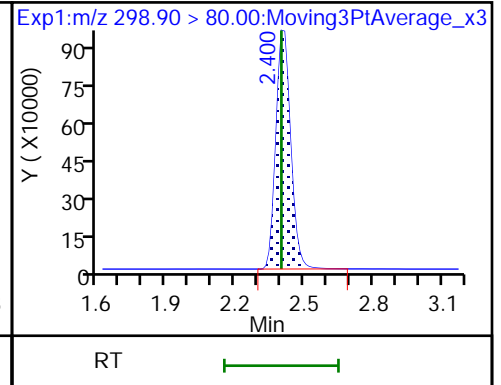
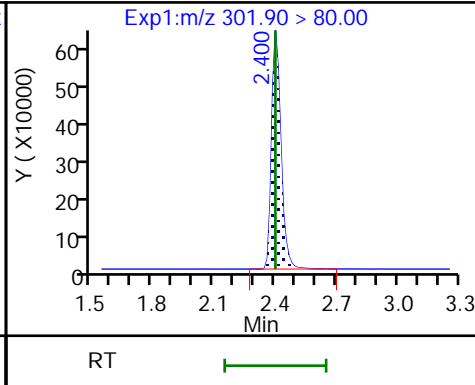
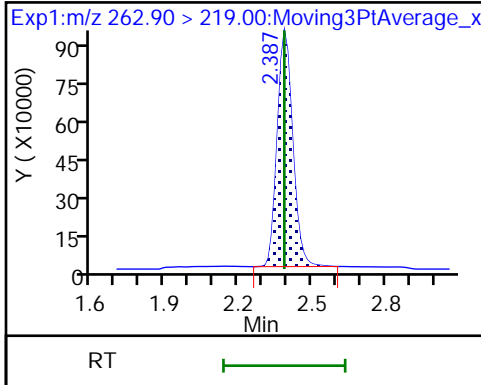
D 3 13C5 PFPeA



4 Perfluoropentanoic acid

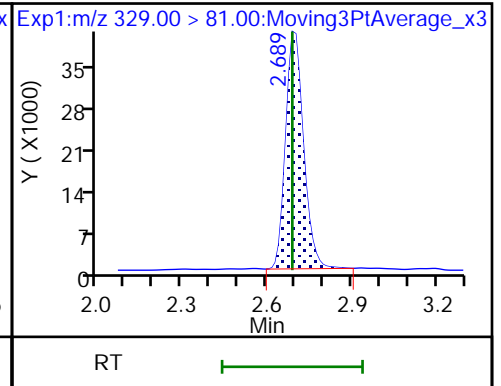
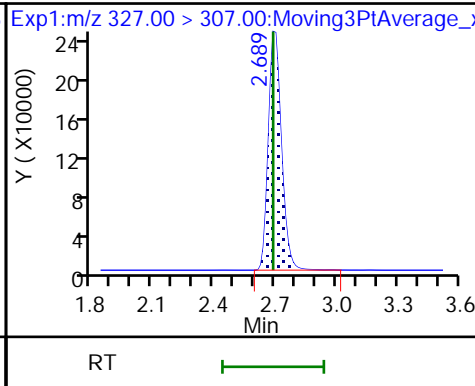
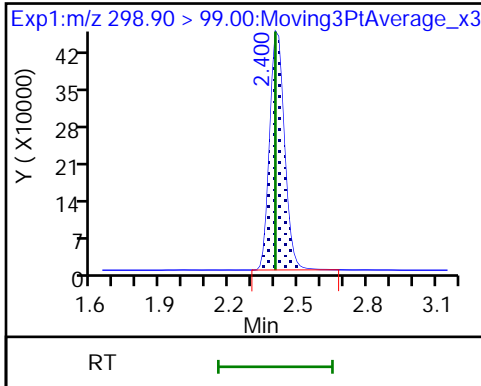
D 47 13C3 PFBS

5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

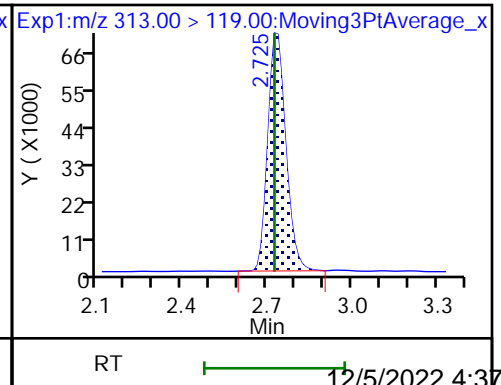
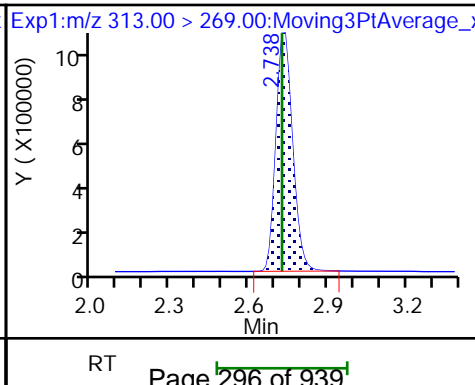
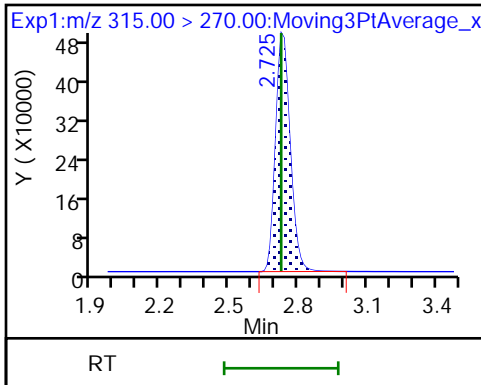
61 1H,1H,2H,2H-perfluorohexanesulfo D 60 M2-4:2 FTS

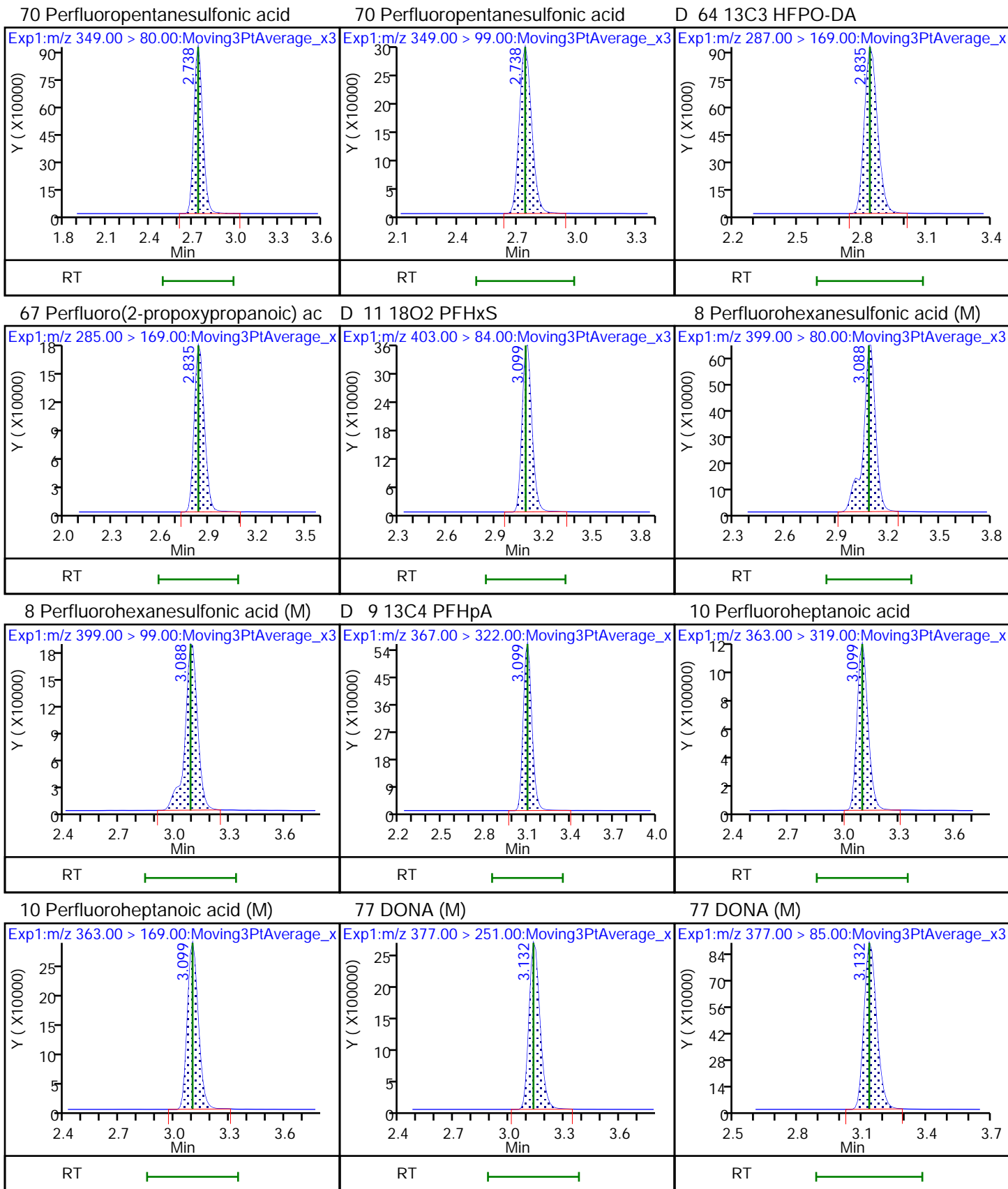


D 7 13C2 PFHxA

6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid

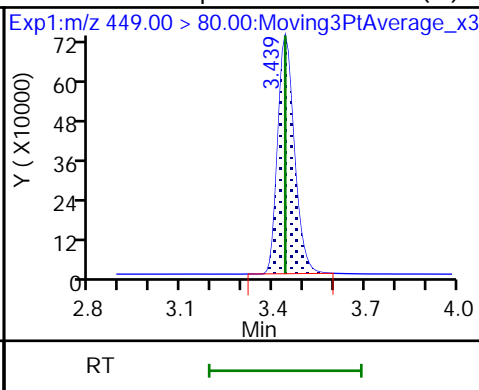
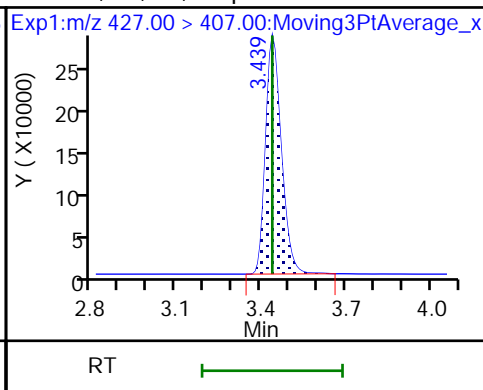
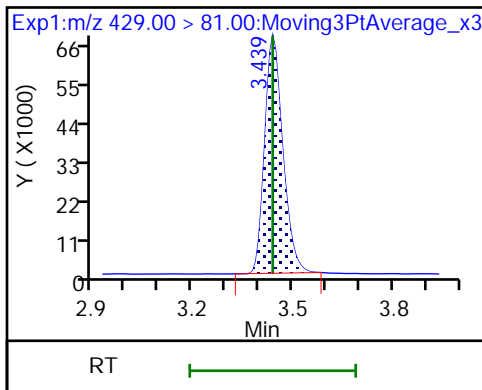




D 12 M2-6:2 FTS

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

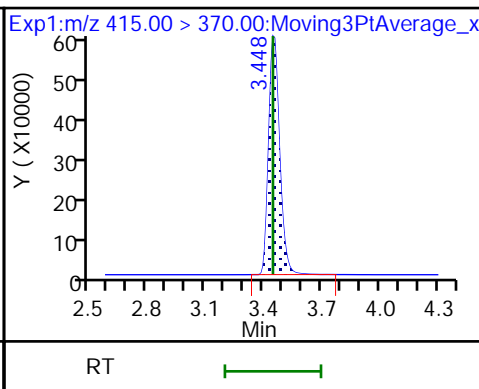
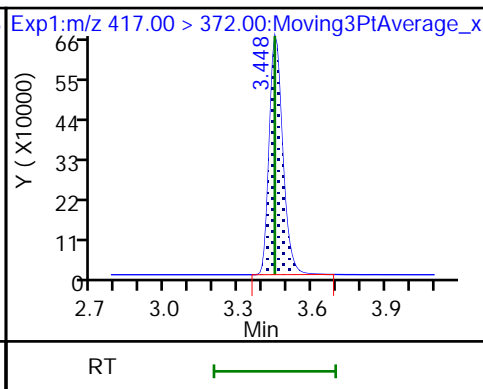
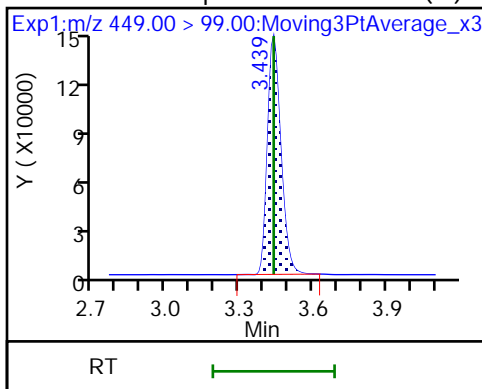
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

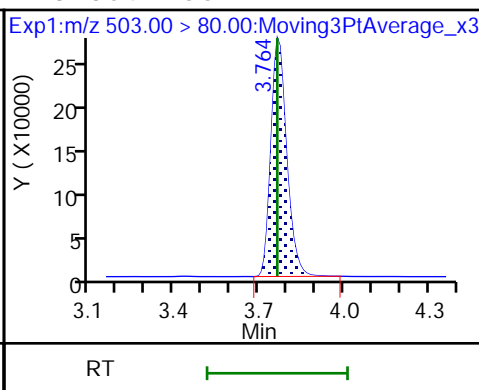
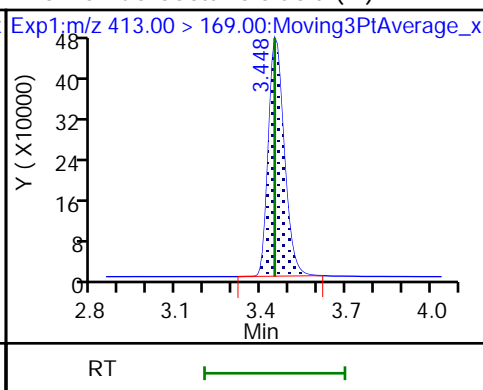
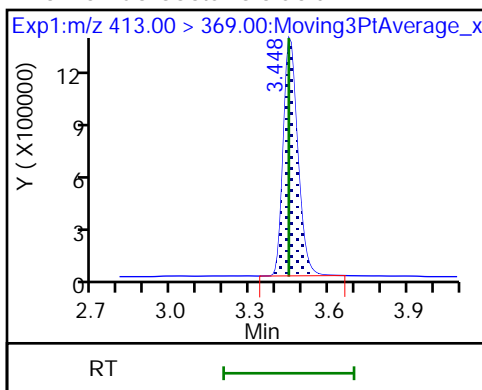
* 62 13C2 PFOA



15 Perfluorooctanoic acid

15 Perfluorooctanoic acid (M)

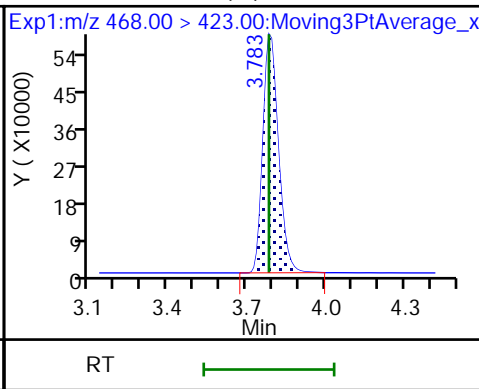
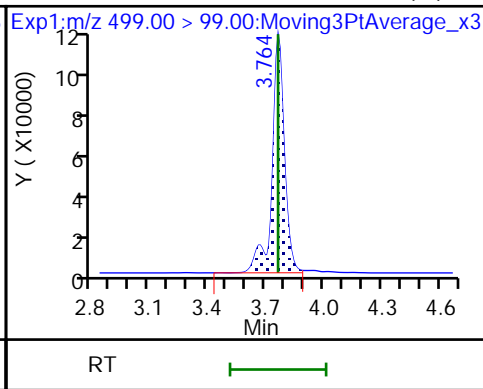
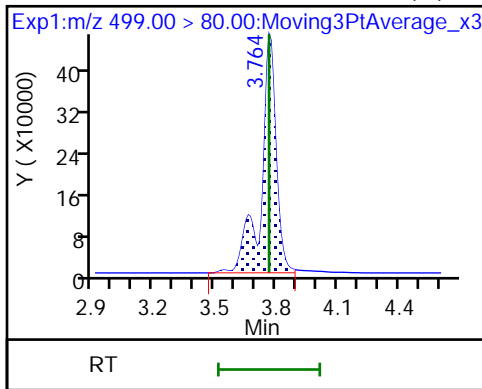
D 18 13C4 PFOS

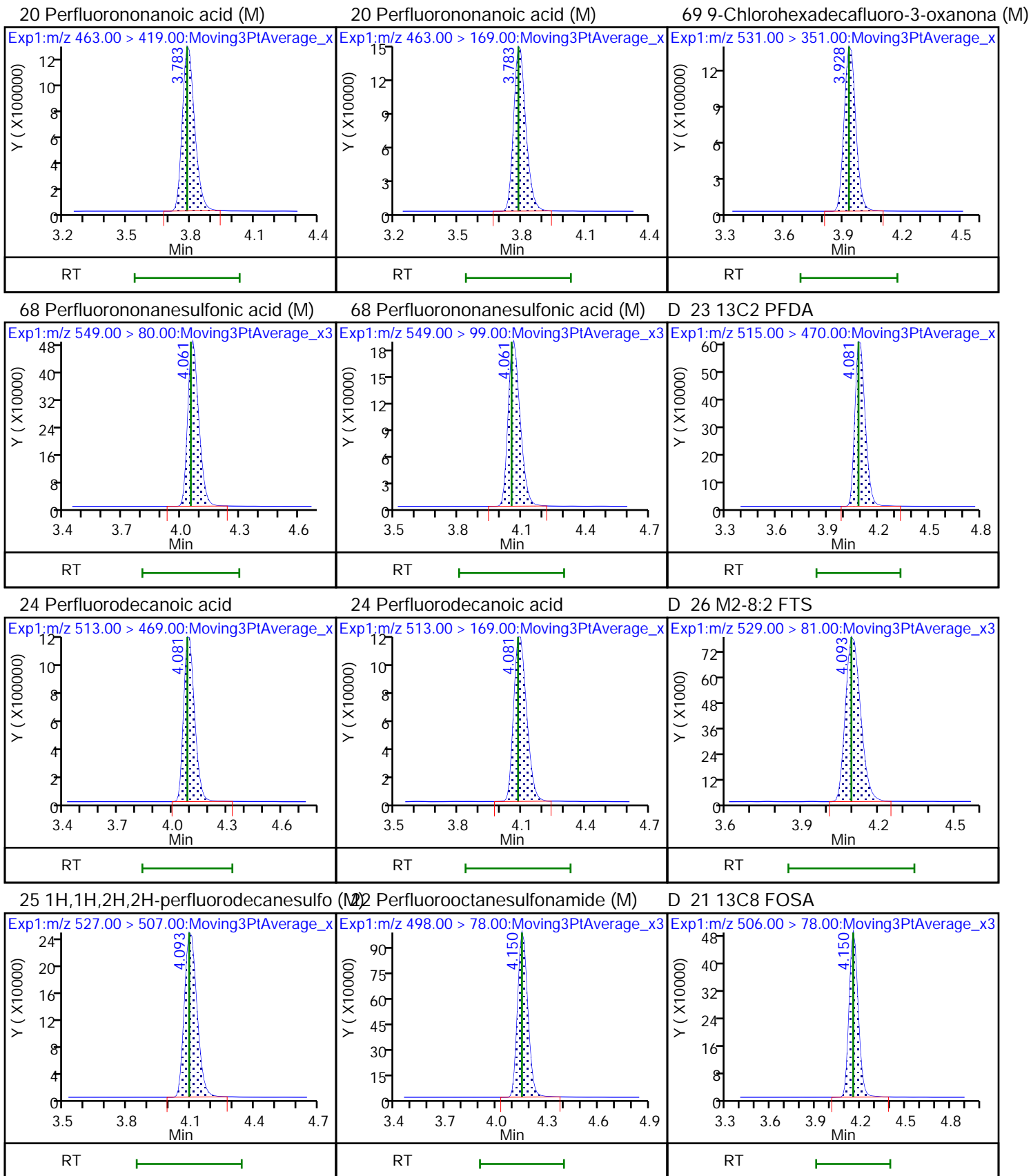


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

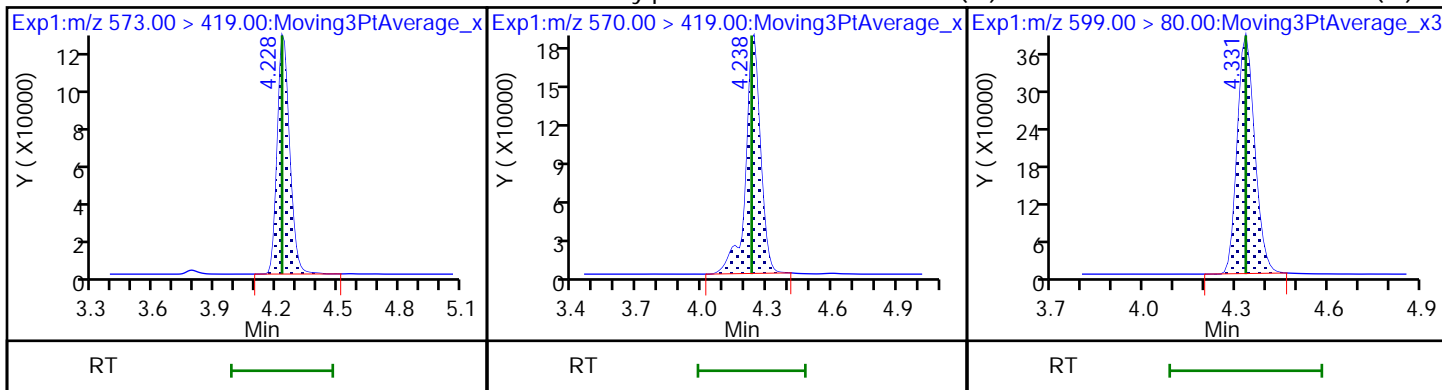
D 19 13C5 PFNA (M)





D 27 d3-NMeFOSAA

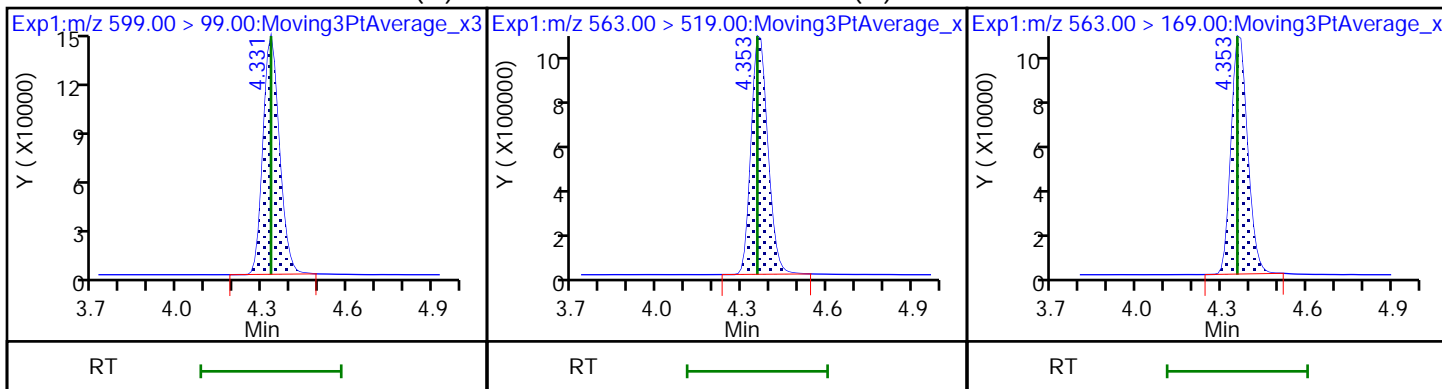
28 N-methylperfluorooctanesulfonami (M) 29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

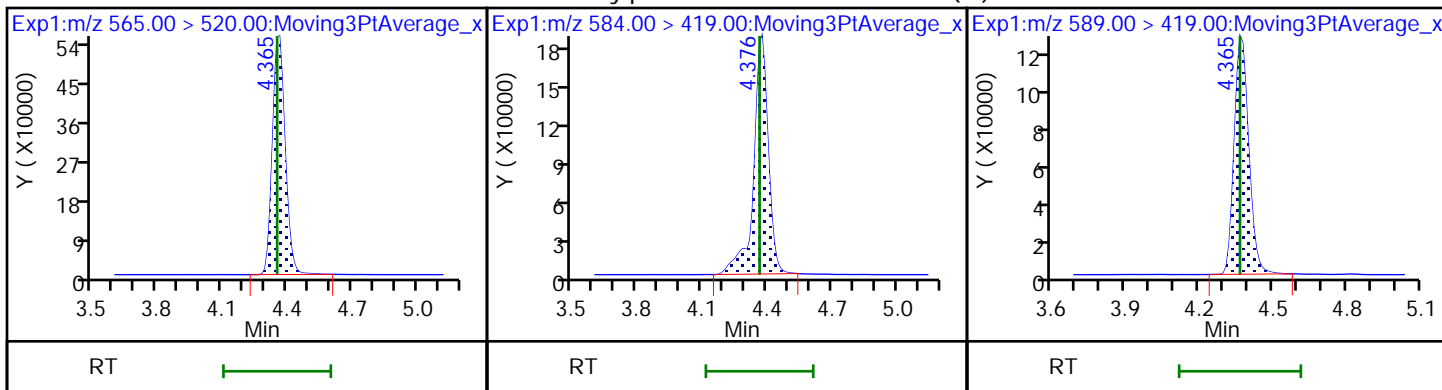
31 Perfluoroundecanoic acid (M)

31 Perfluoroundecanoic acid



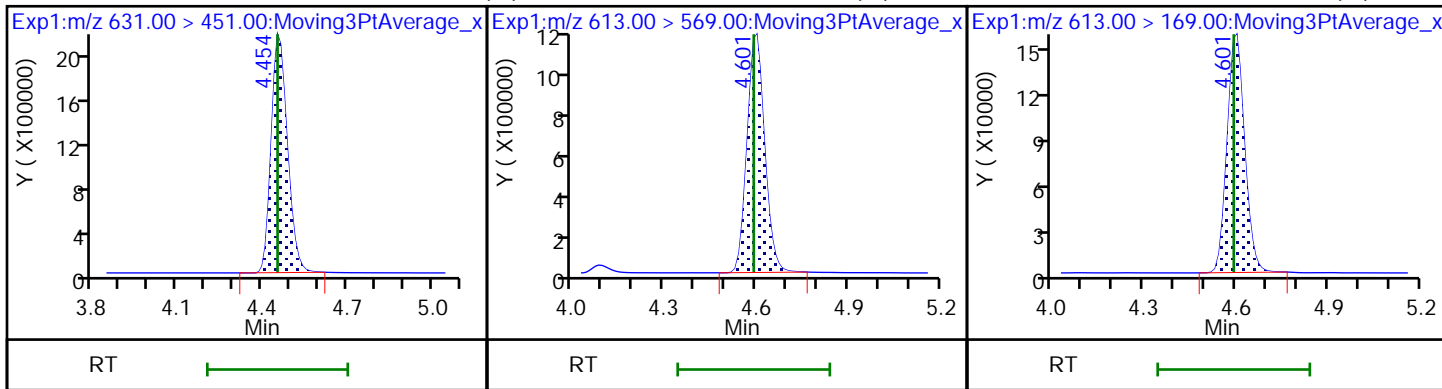
D 30 13C2 PFUnA

33 N-ethylperfluorooctanesulfonamid (N) 32 d5-NEtFOSAA



66 11-Chloroeicosafluoro-3-oxaundec (M) 37 Perfluorododecanoic acid (M)

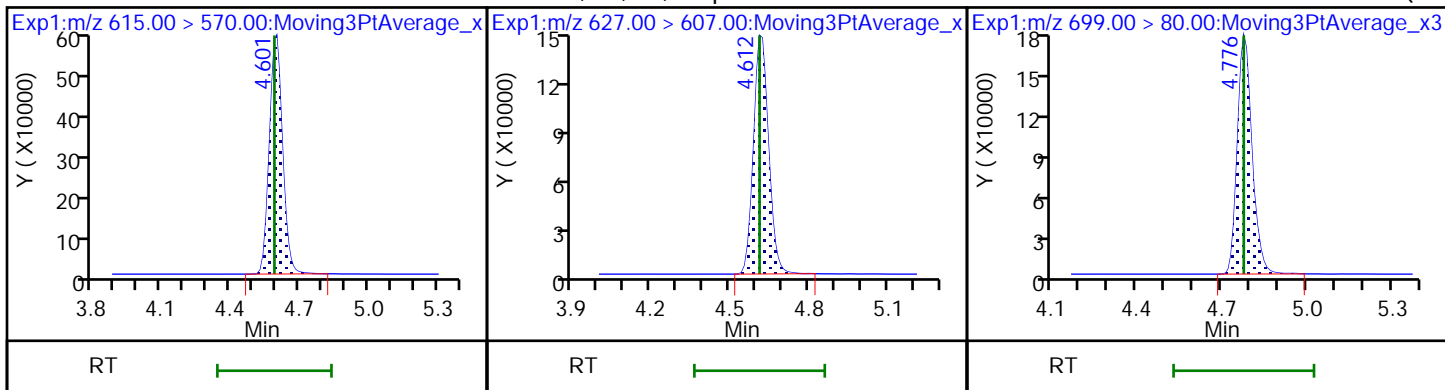
37 Perfluorododecanoic acid (M)



D 36 13C2 PFDaA

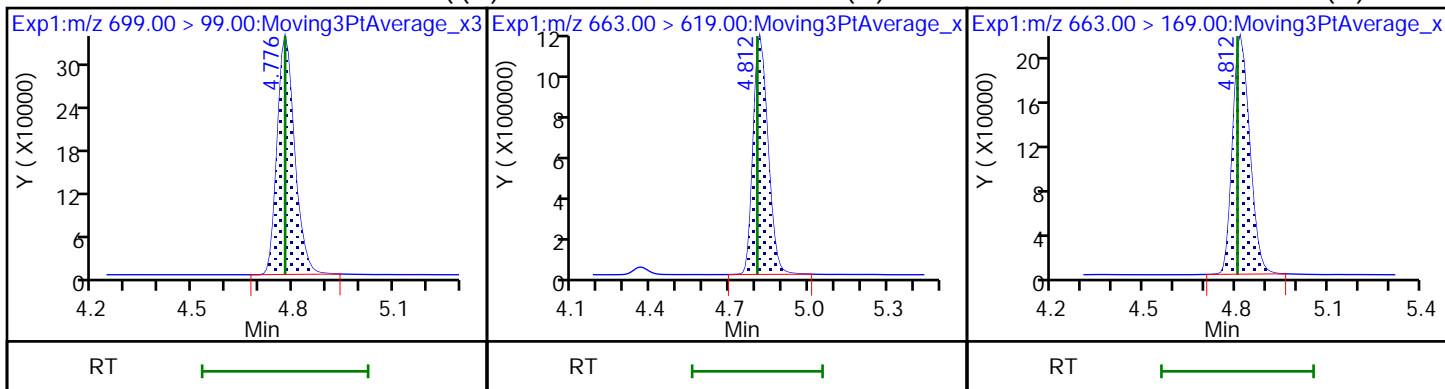
74 1H,1H,2H,2H-perfluorododecanesul

75 Perfluorododecanesulfonic acid (



75 Perfluorododecanesulfonic acid ((M) 41 Perfluorotridecanoic acid (M)

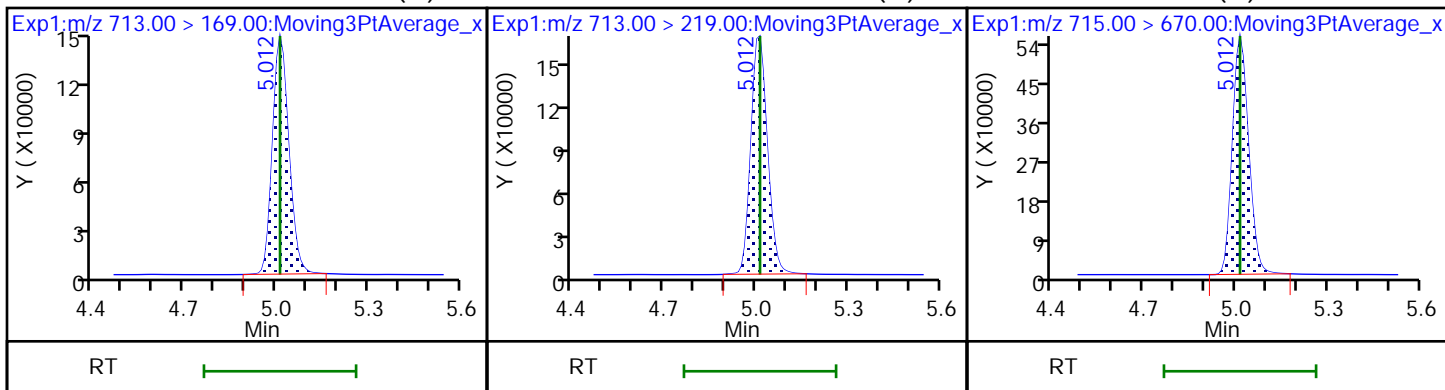
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

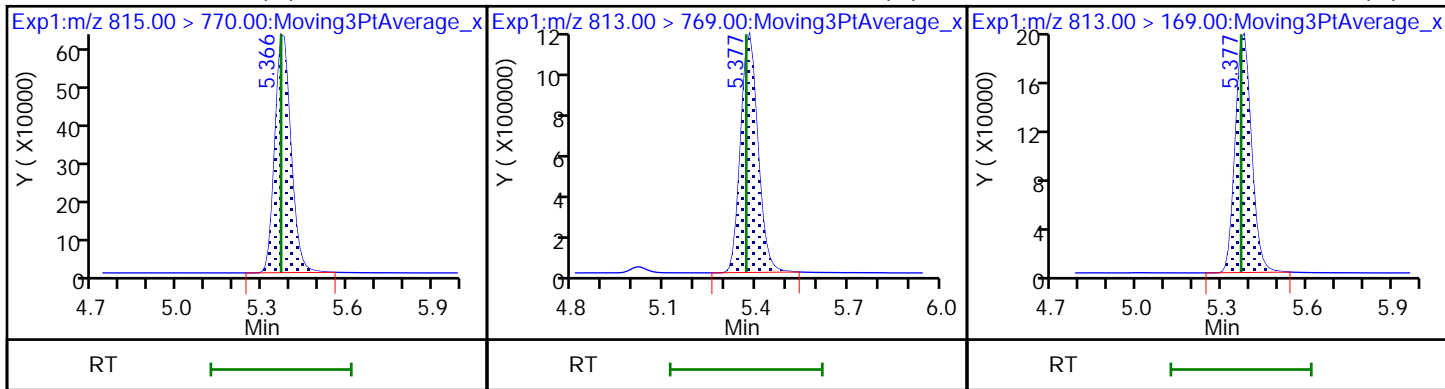
D 43 13C2 PFTeDA (M)



D 44 13C2 PFHxDA (M)

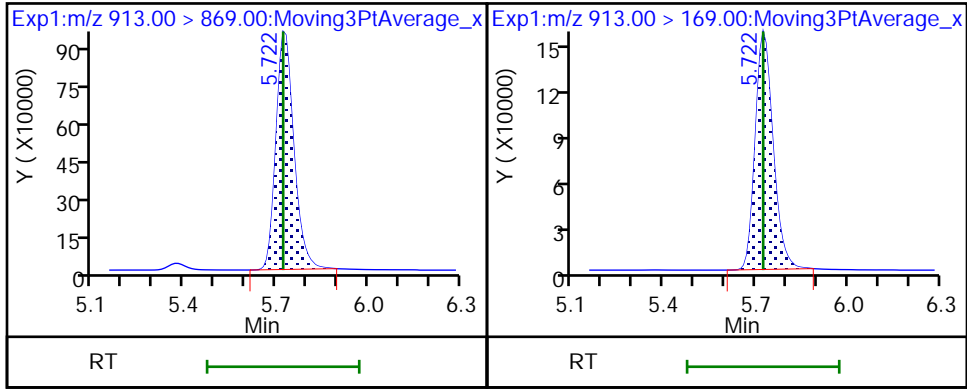
45 Perfluorohexadecanoic acid (M)

45 Perfluorohexadecanoic acid (M)



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

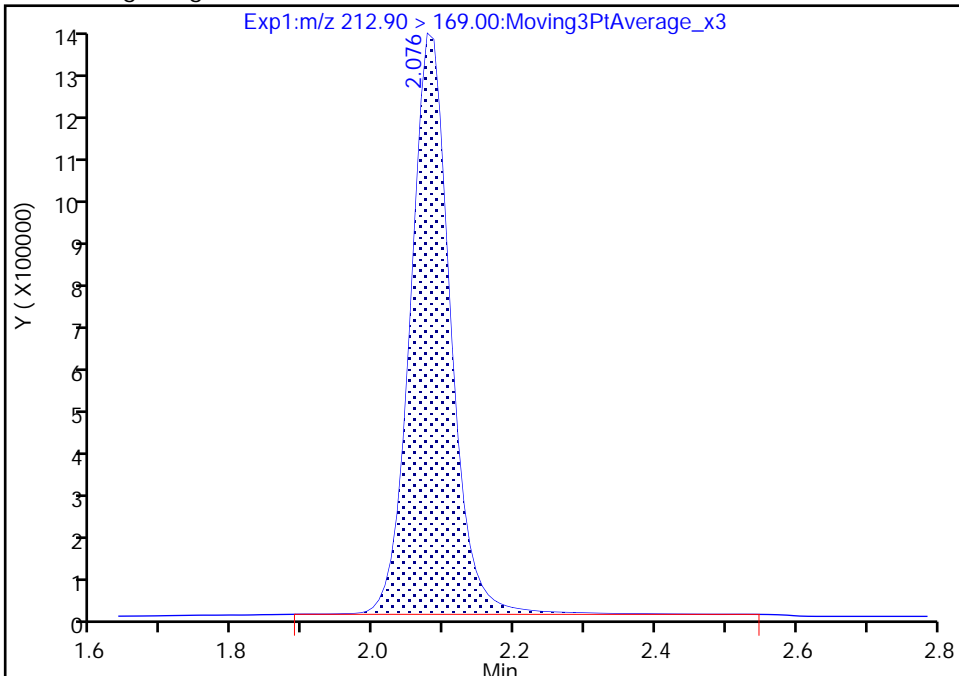
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

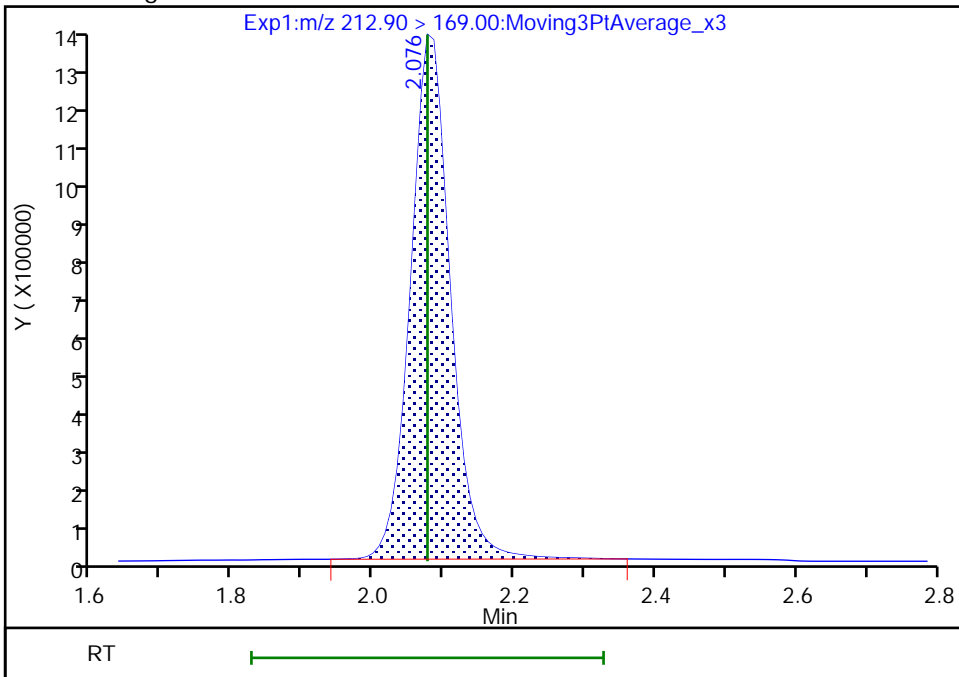
RT: 2.08
Area: 5129420
Amount: 2.272604
Amount Units: ng/ml

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

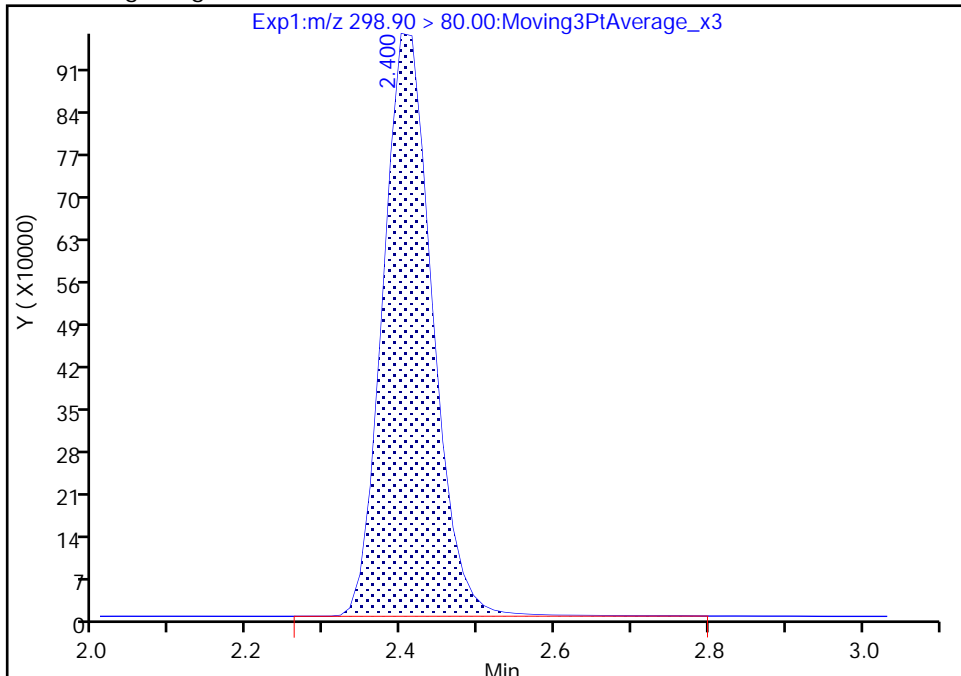
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

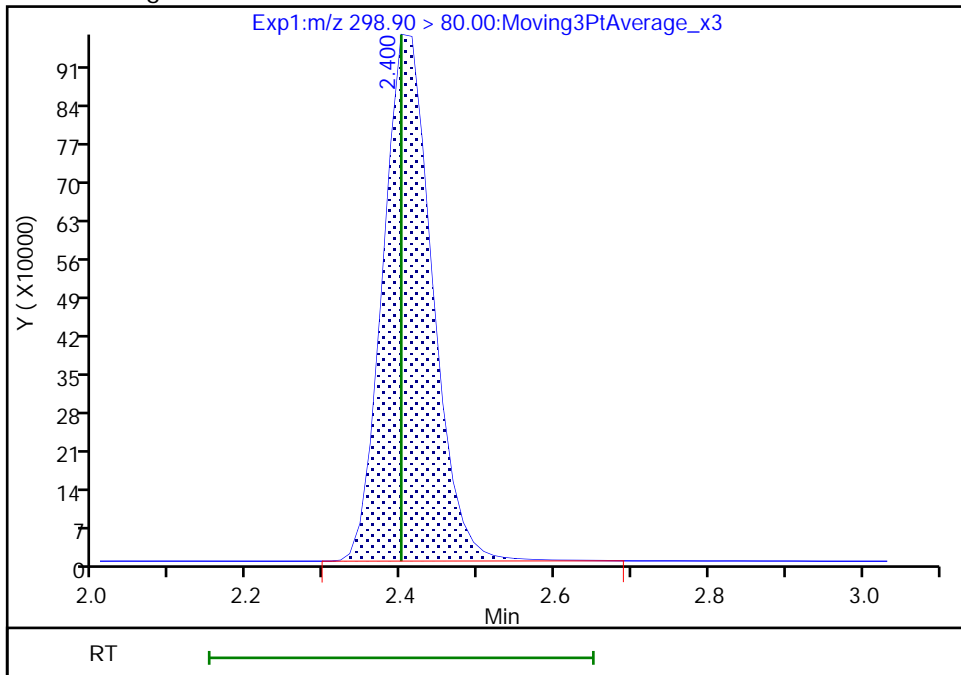
RT: 2.40
Area: 4298516
Amount: 2.130457
Amount Units: ng/ml

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

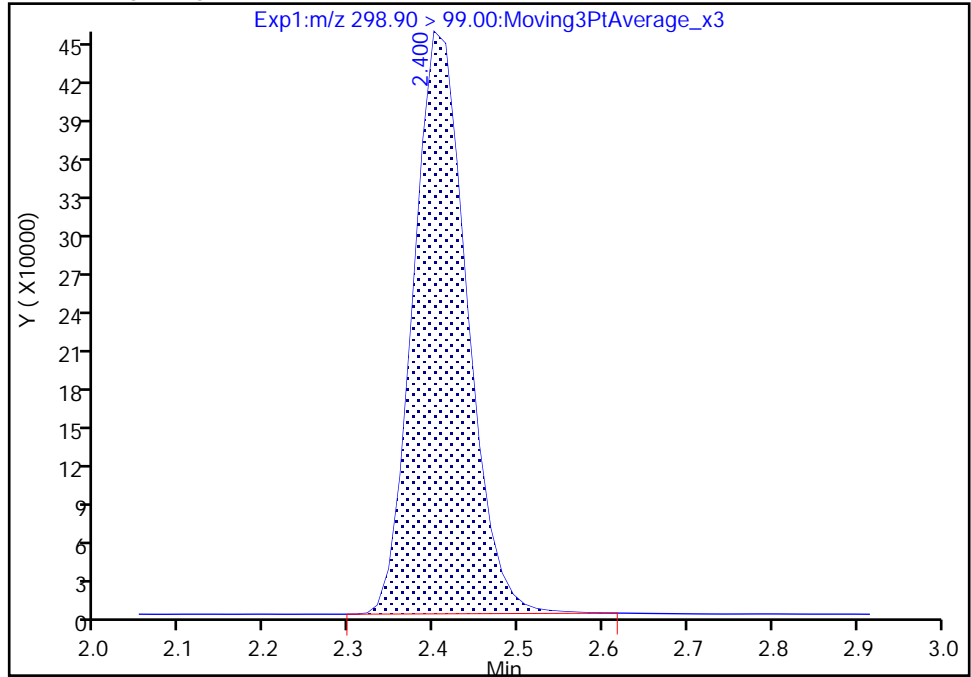
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

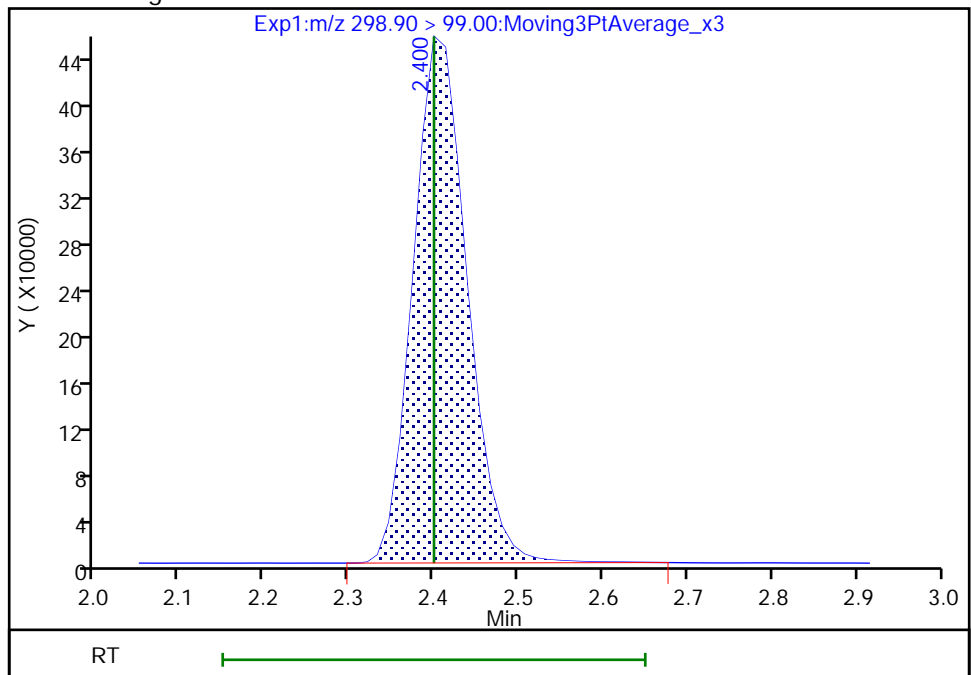
RT: 2.40
Area: 2019708
Amount: 2.130457
Amount Units: ng/ml

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

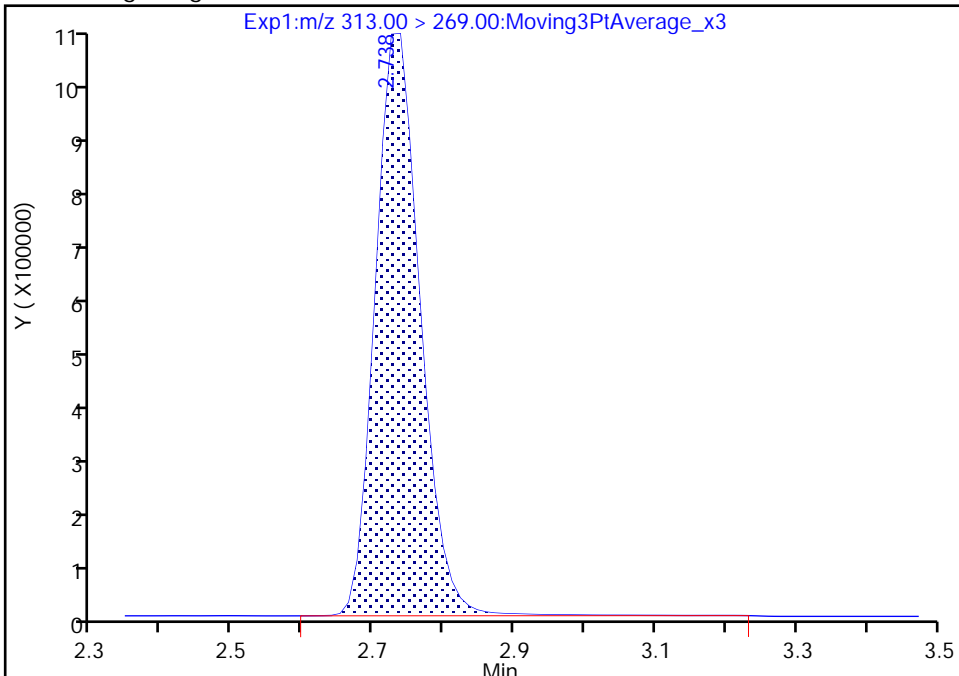
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

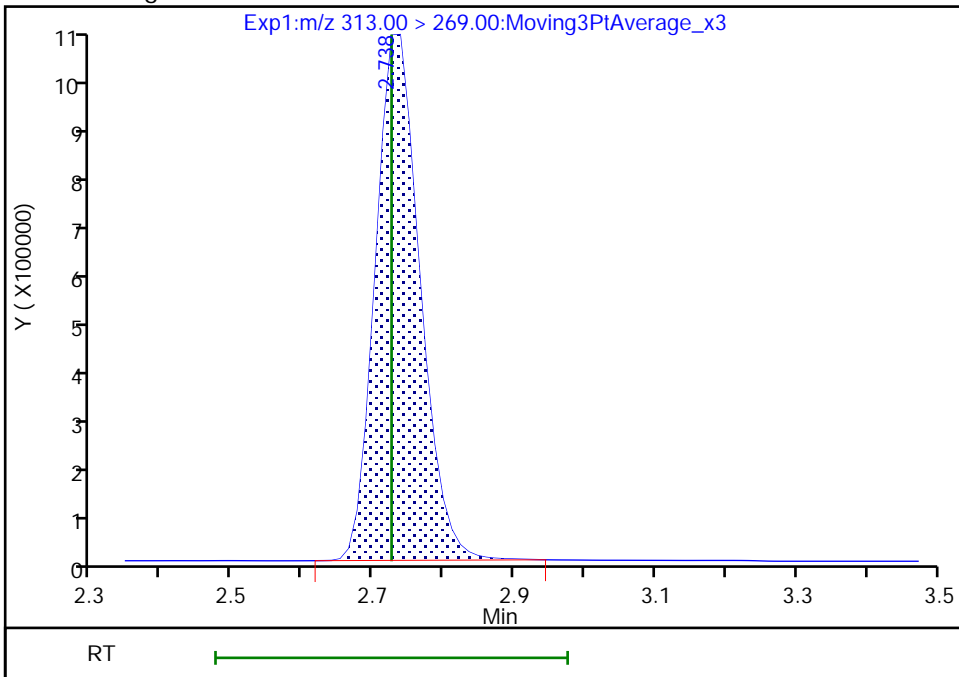
RT: 2.74
Area: 4577392
Amount: 2.375601
Amount Units: ng/ml

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

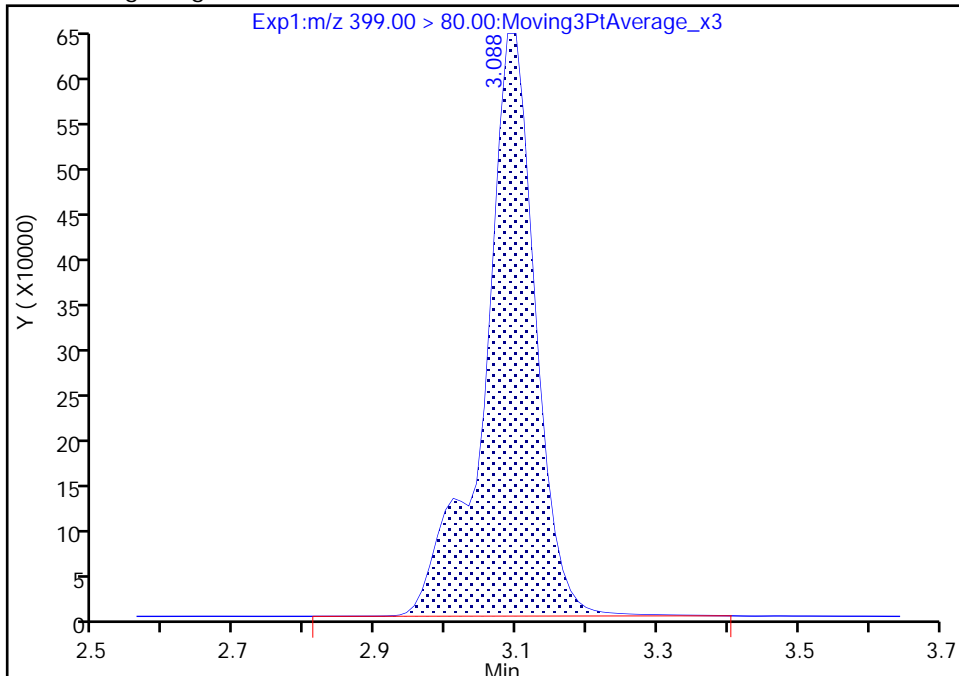
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

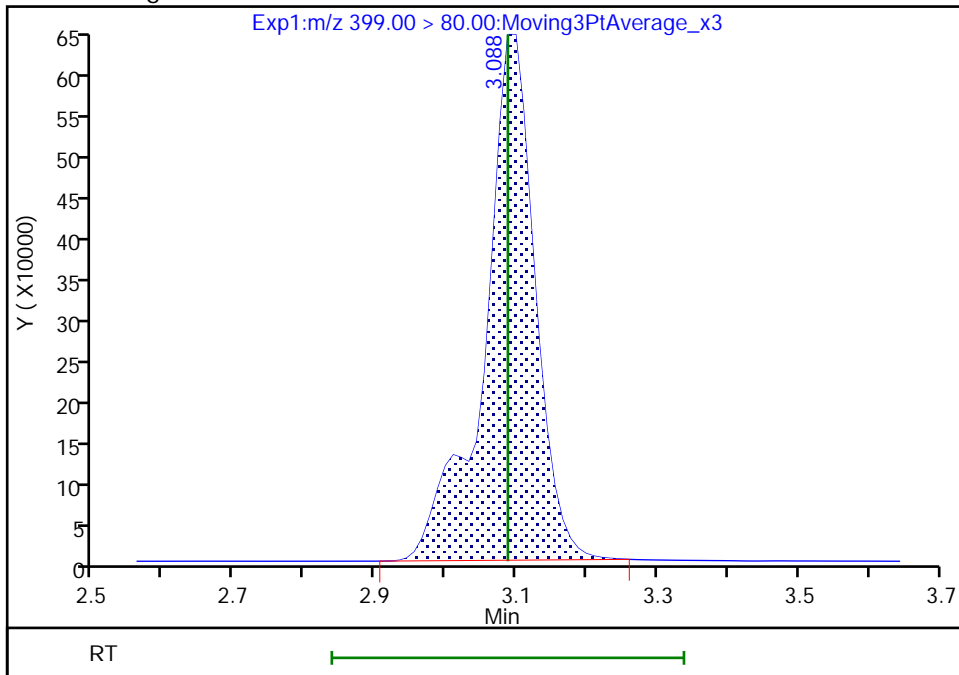
RT: 3.09
Area: 3243457
Amount: 2.251723
Amount Units: ng/ml

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

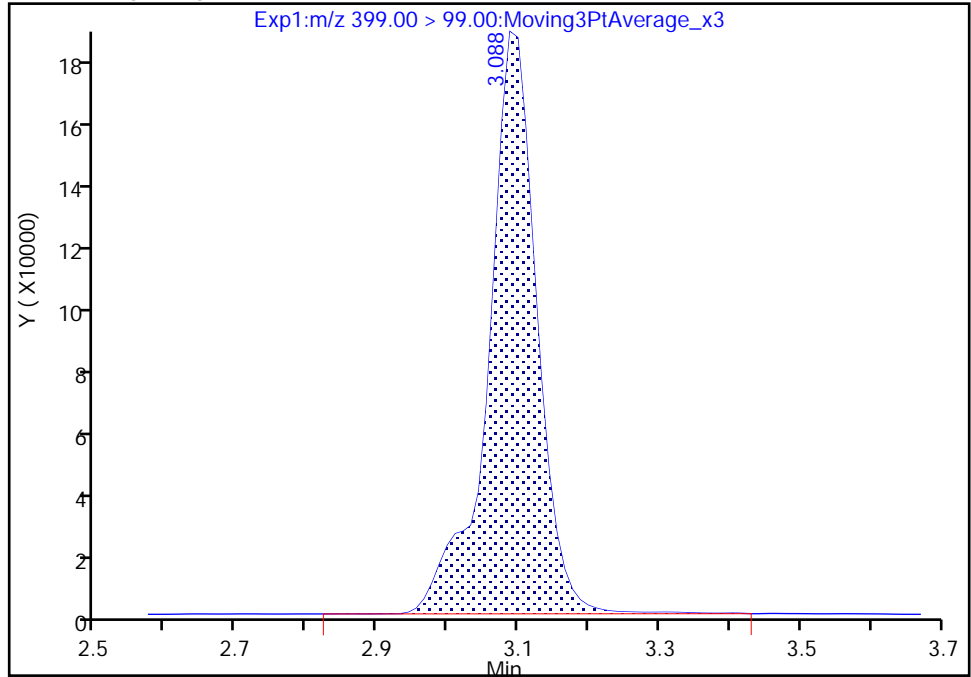
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

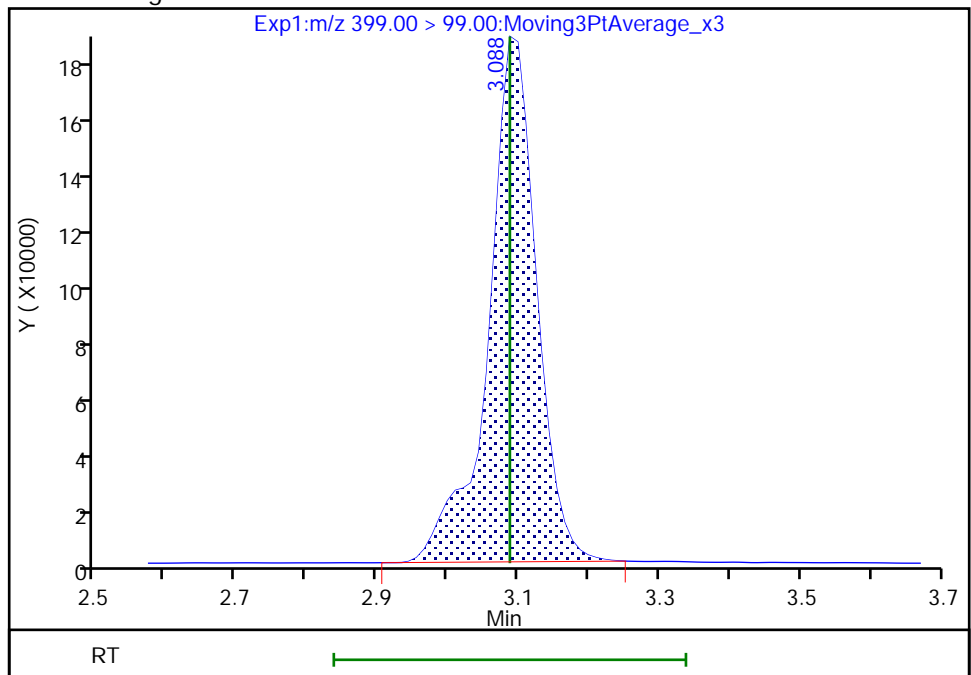
RT: 3.09
Area: 898780
Amount: 2.251723
Amount Units: ng/ml

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

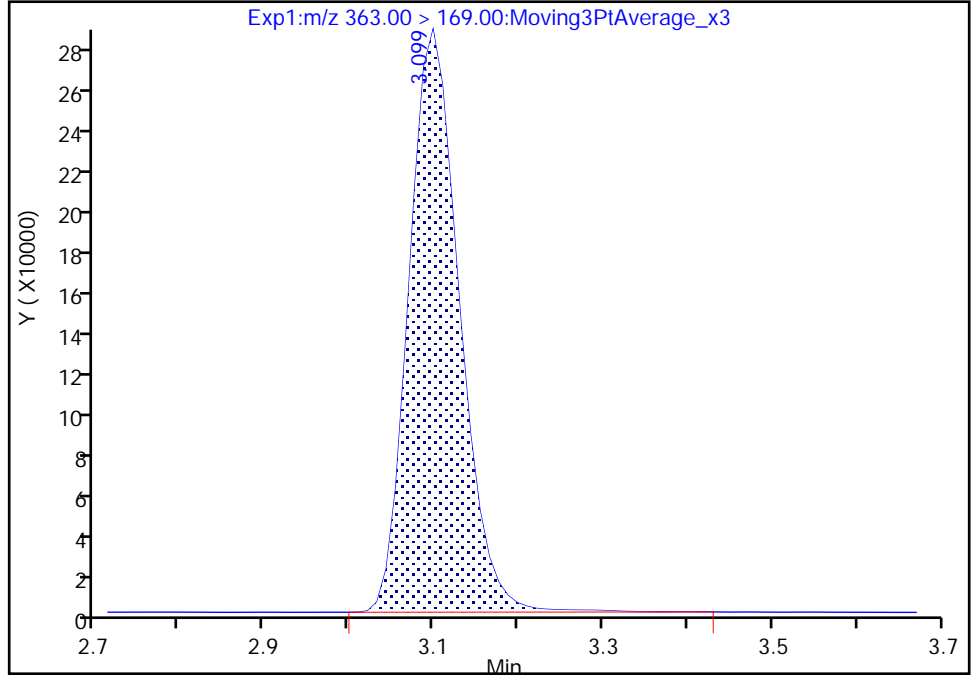
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

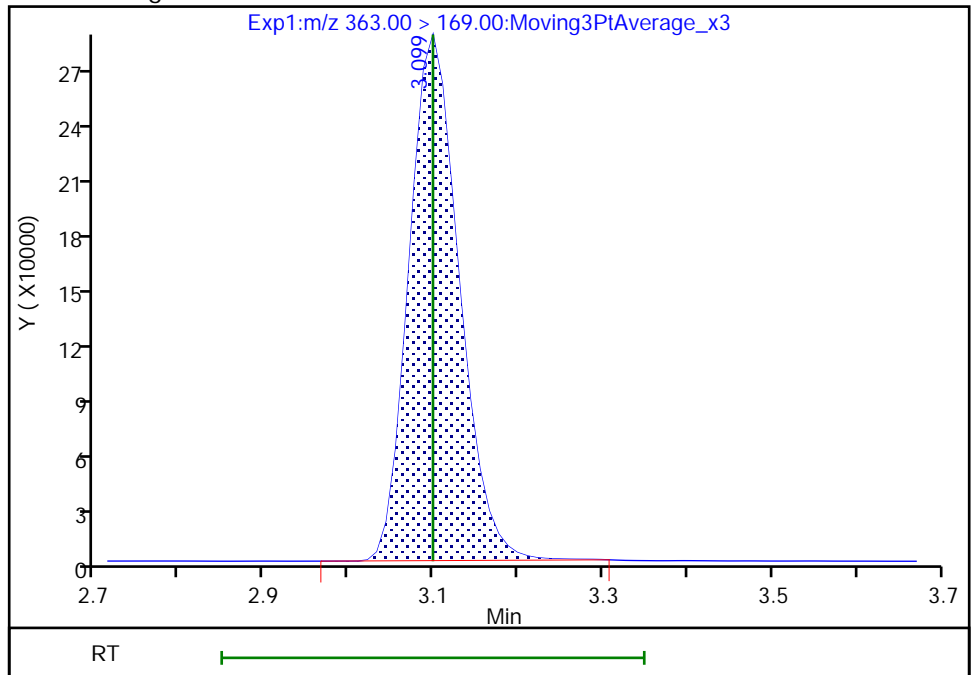
RT: 3.10
Area: 1190139
Amount: 2.284231
Amount Units: ng/ml

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

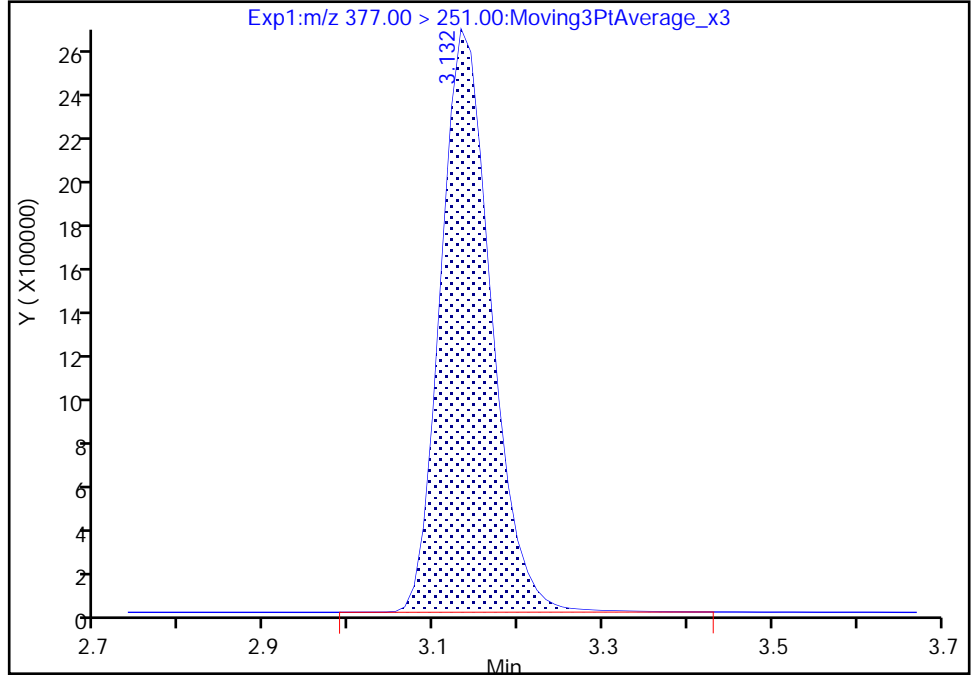
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 1

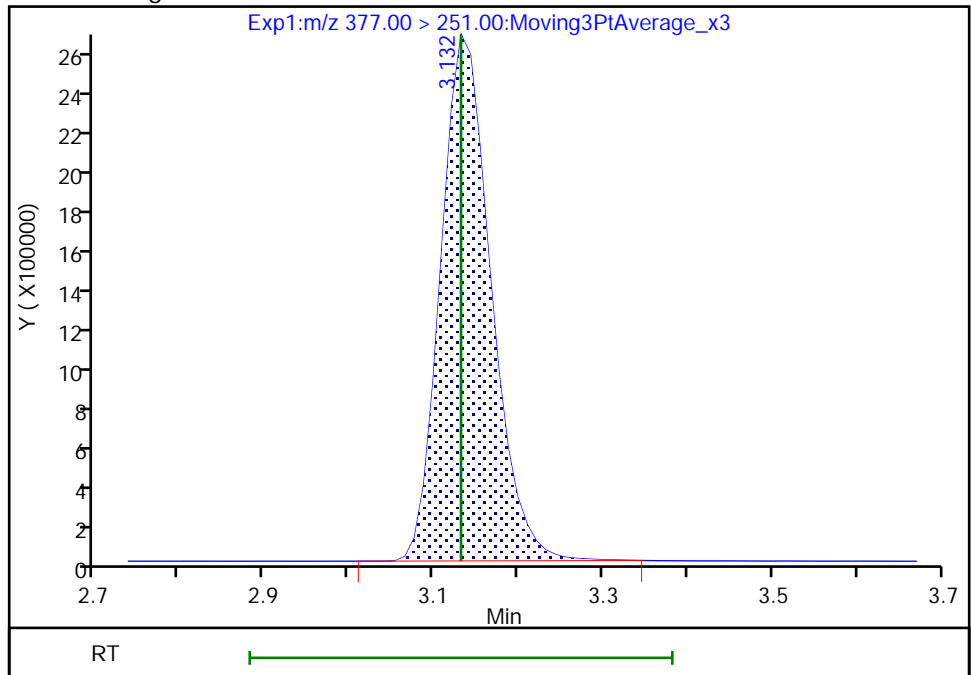
RT: 3.13
Area: 10854434
Amount: 2.160250
Amount Units: ng/ml

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
Page 310 of 939

Eurofins Burlington

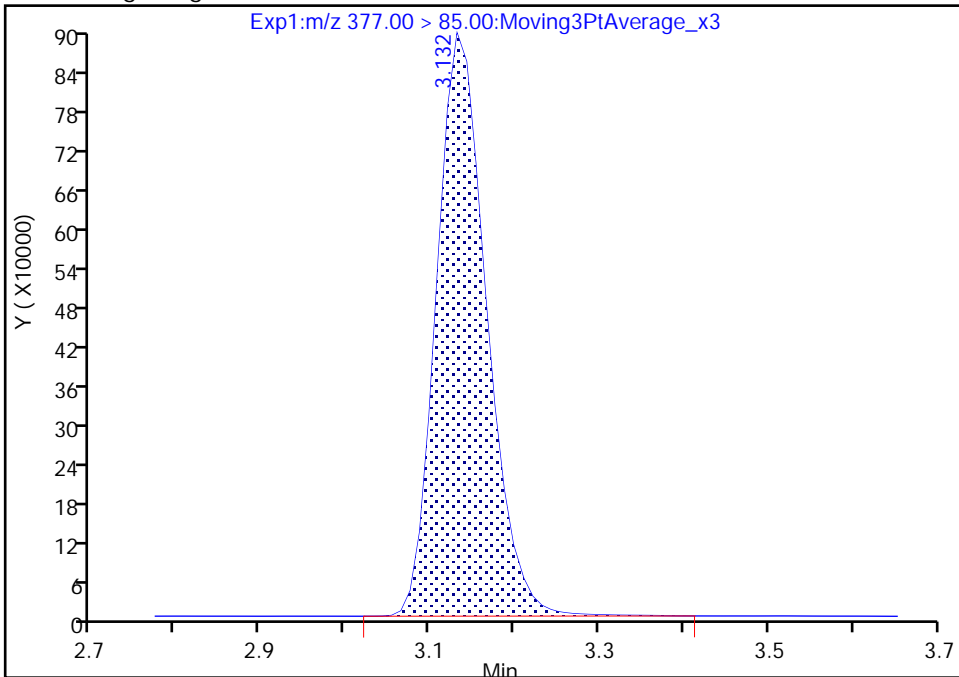
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 2

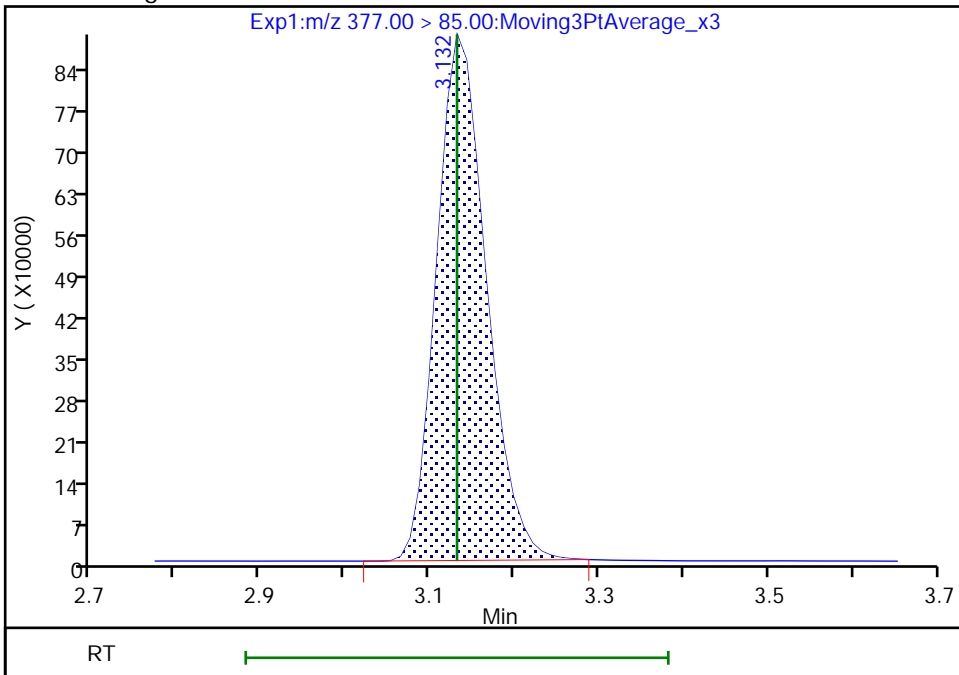
RT: 3.13
Area: 3658251
Amount: 2.160250
Amount Units: ng/ml

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

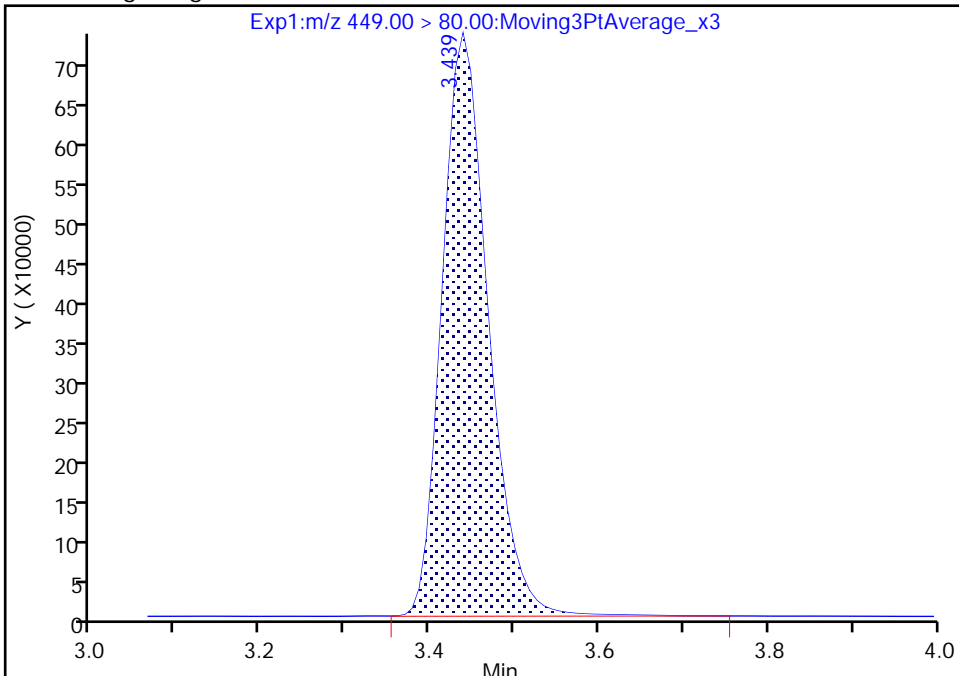
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

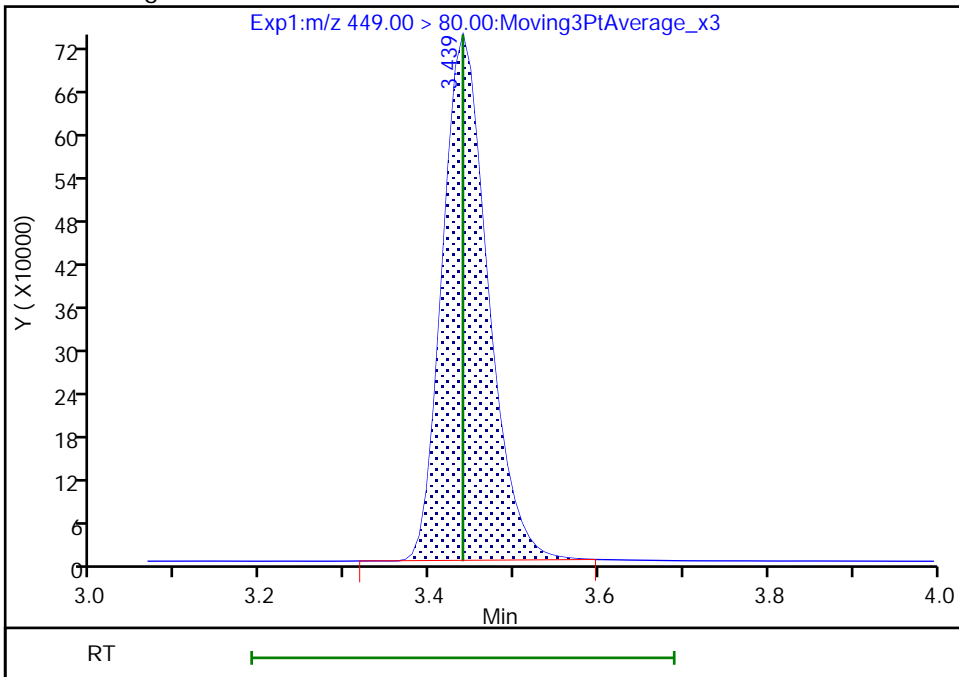
RT: 3.44
Area: 2770748
Amount: 2.218630
Amount Units: ng/ml

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

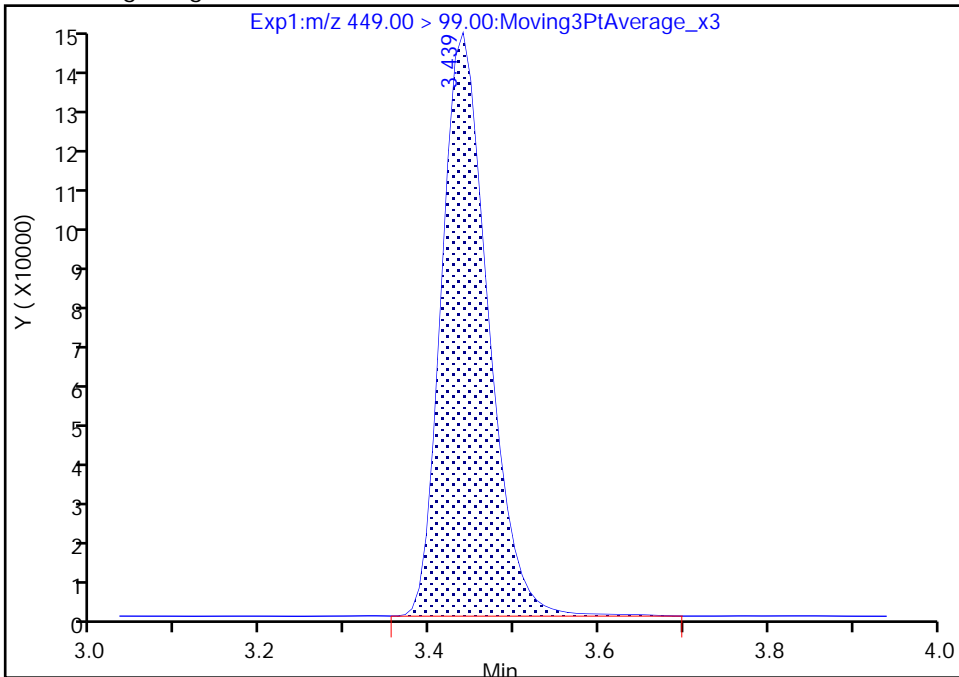
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

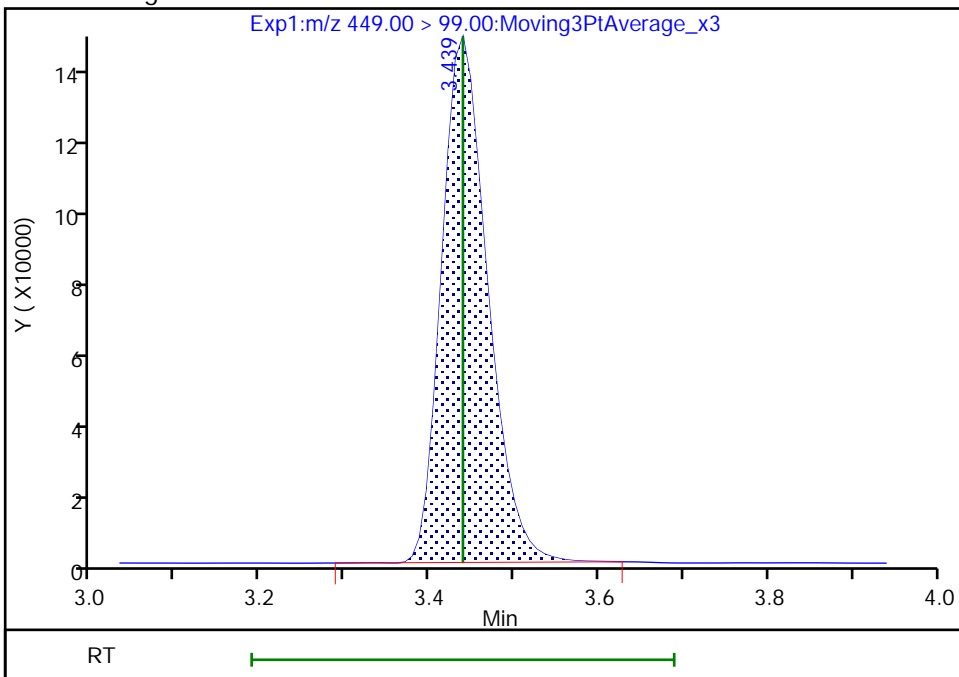
RT: 3.44
Area: 547308
Amount: 2.218630
Amount Units: ng/ml

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

Eurofins Burlington

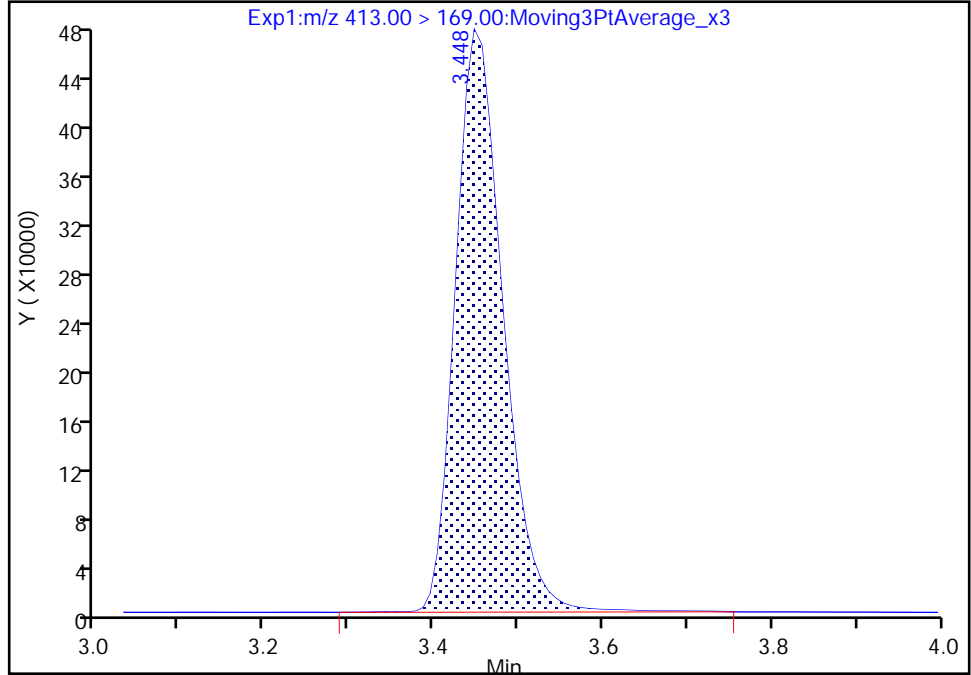
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

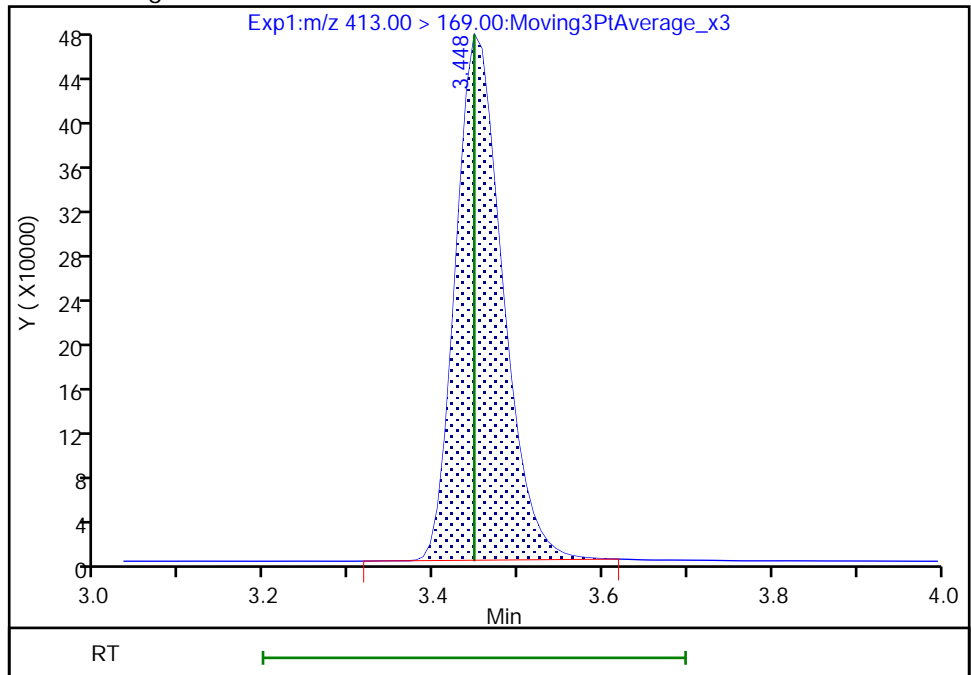
RT: 3.45
Area: 1843216
Amount: 2.392012
Amount Units: ng/ml

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

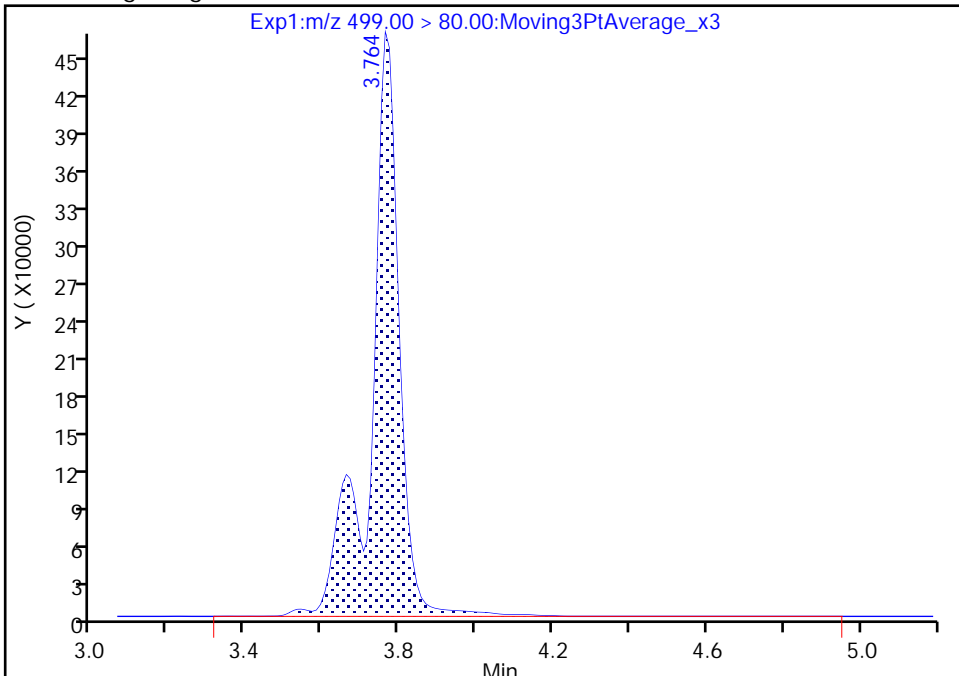
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

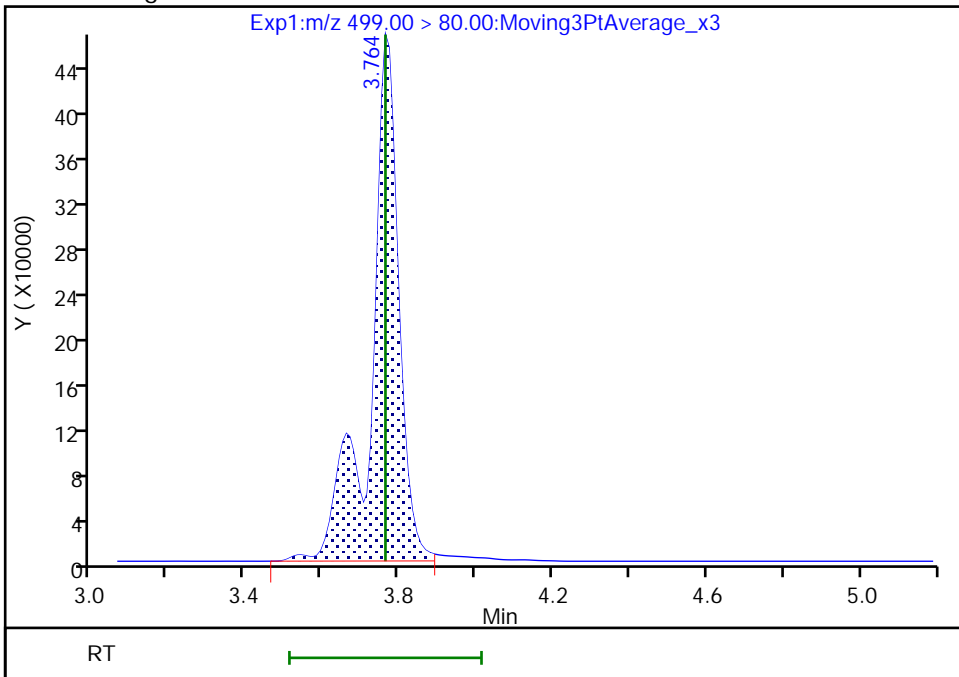
RT: 3.76
Area: 2390090
Amount: 2.188375
Amount Units: ng/ml

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

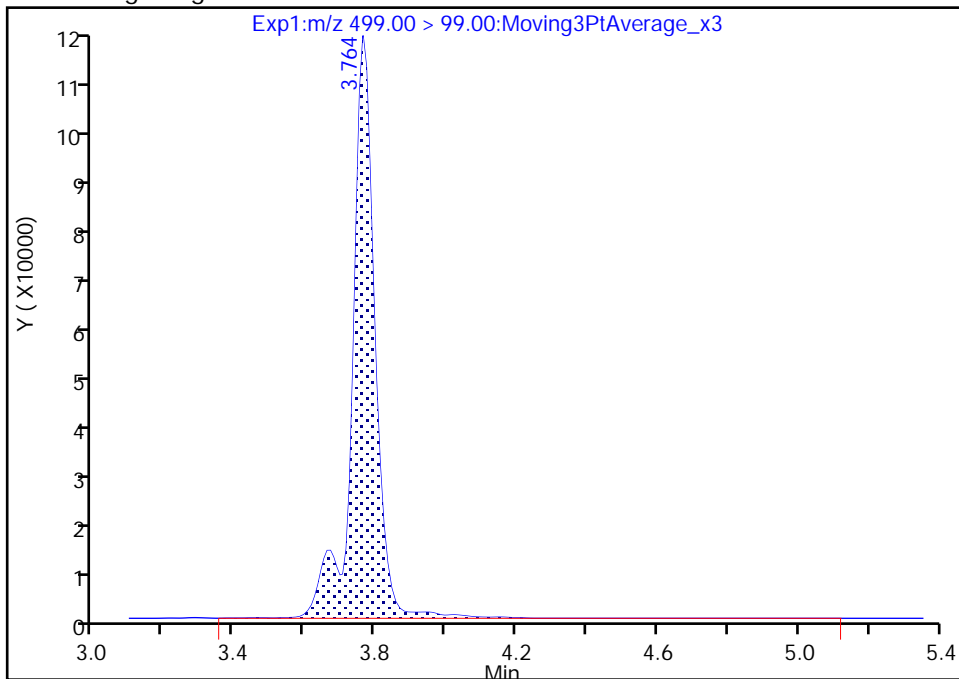
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

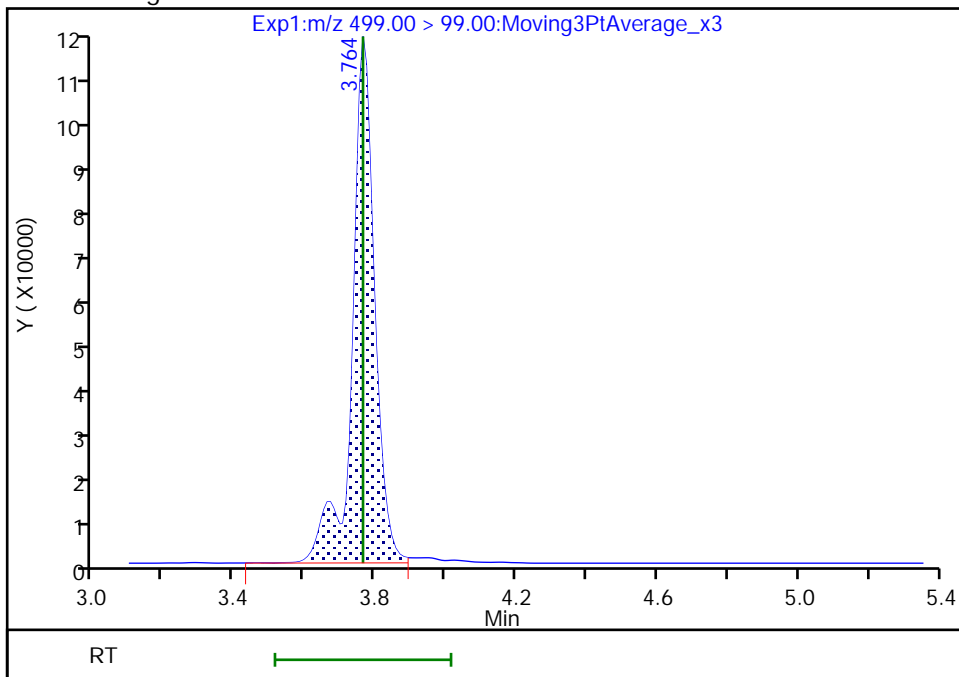
RT: 3.76
Area: 503068
Amount: 2.188375
Amount Units: ng/ml

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

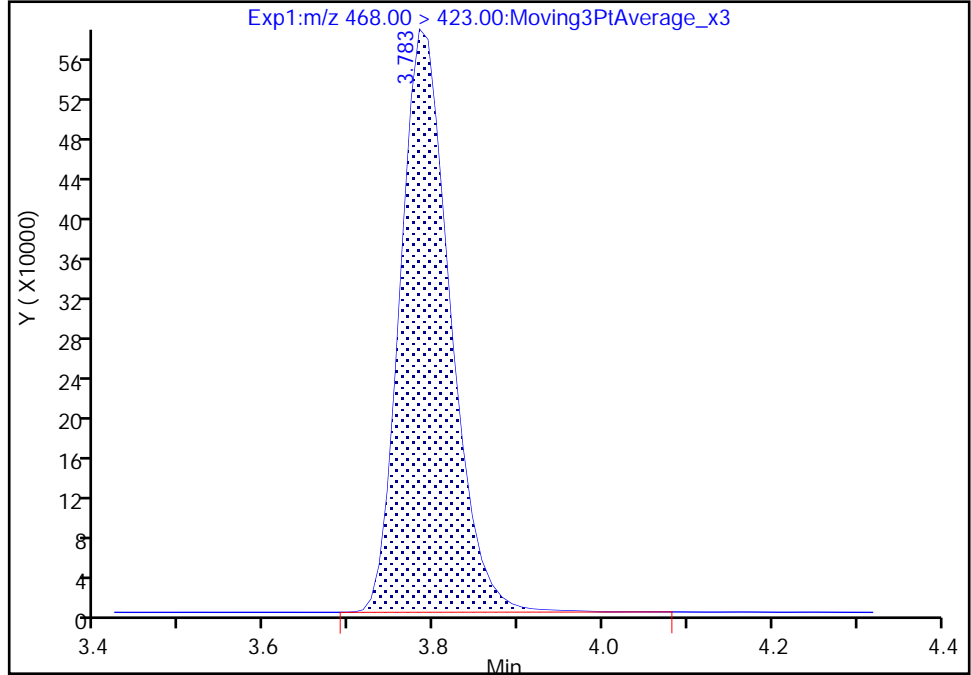
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

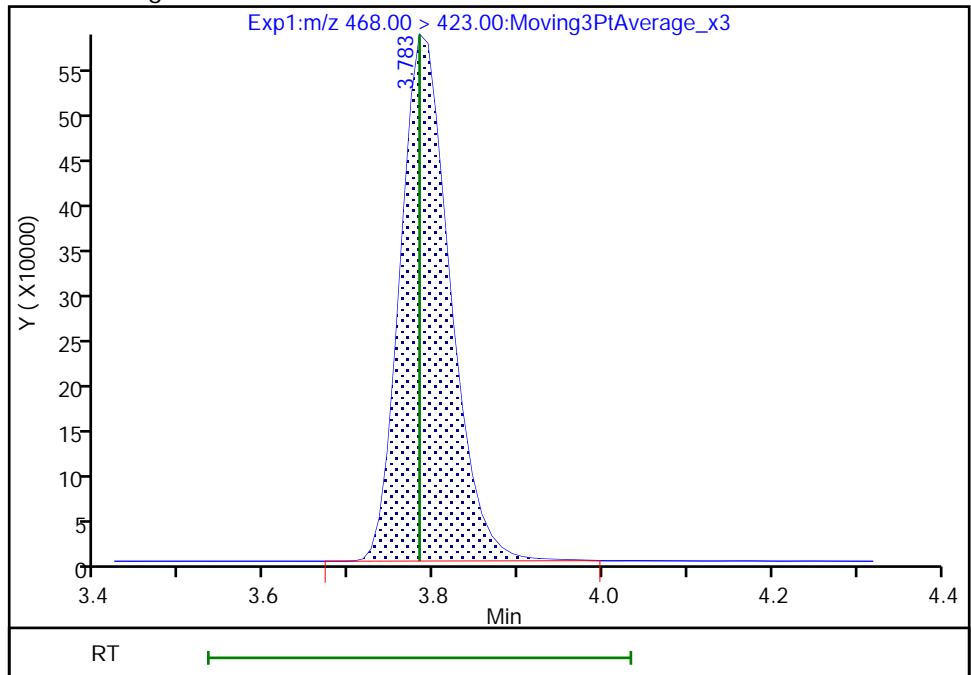
RT: 3.78
Area: 2405533
Amount: 1.262145
Amount Units: ng/ml

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

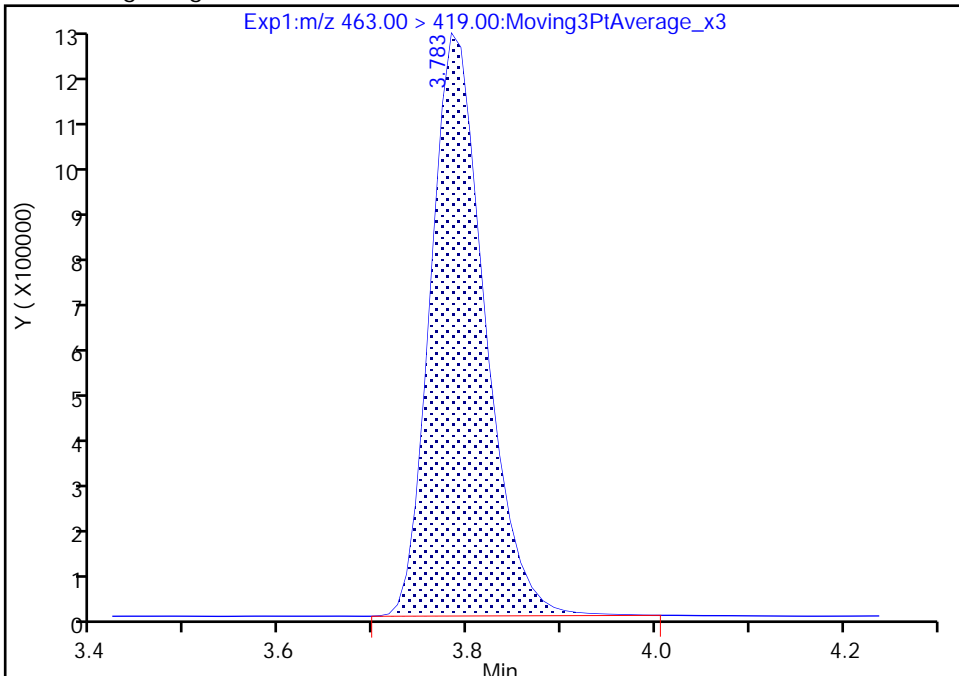
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

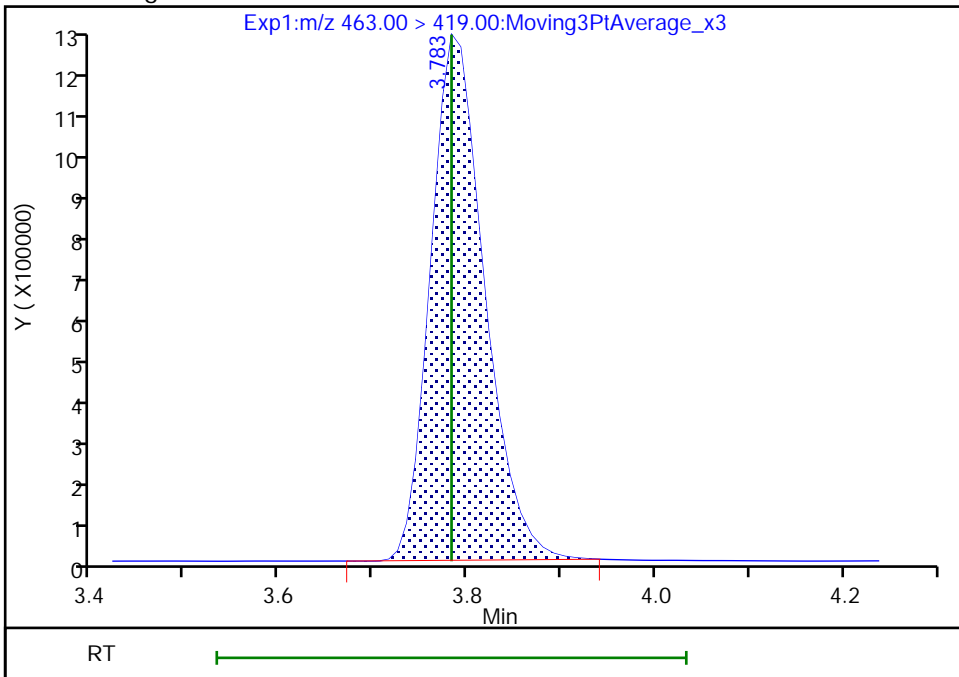
RT: 3.78
Area: 4963599
Amount: 2.455713
Amount Units: ng/ml

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

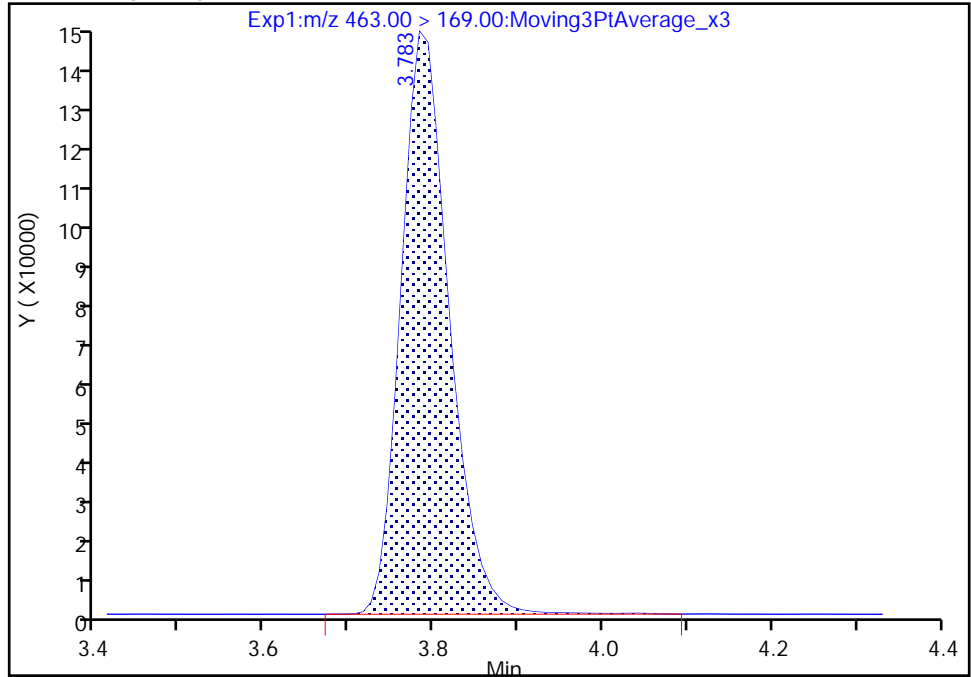
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

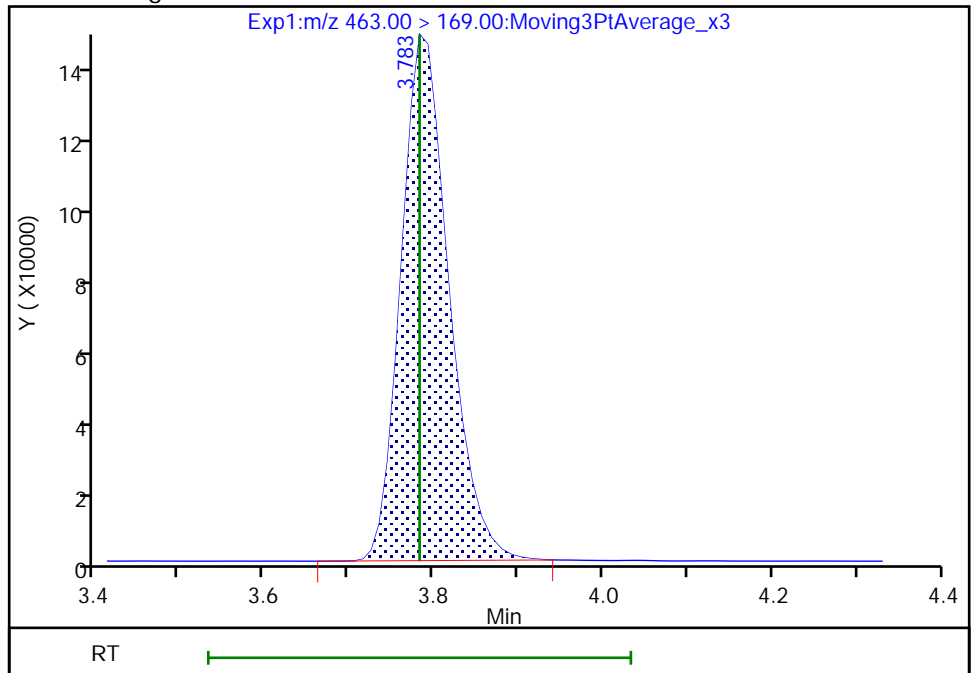
RT: 3.78
Area: 590176
Amount: 2.455713
Amount Units: ng/ml

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

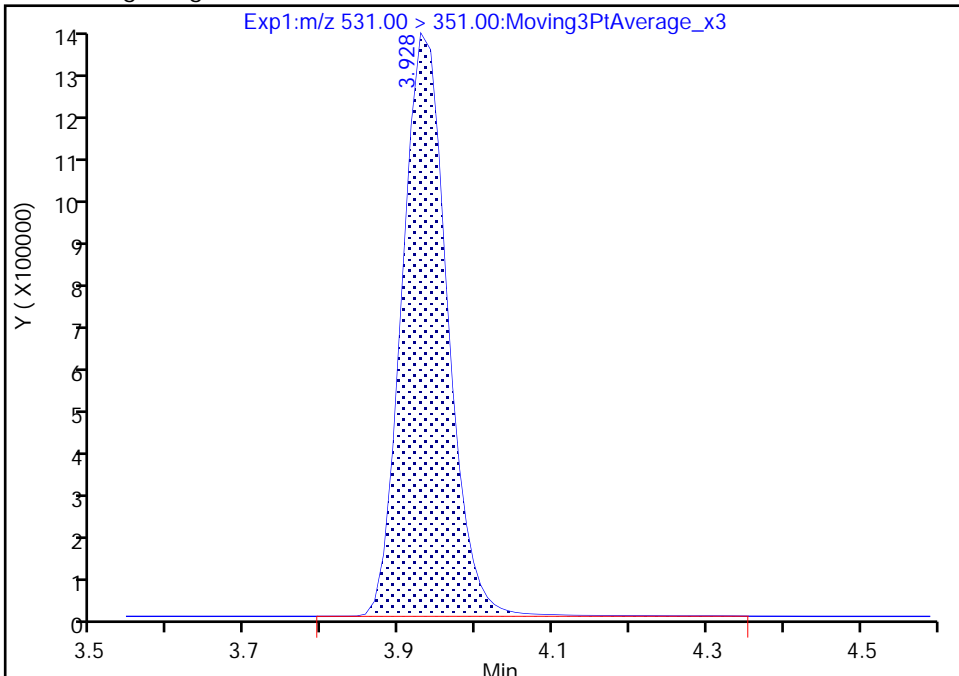
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

69 9-Chlorohexadecafluoro-3-oxanona, CAS: 756426-58-1

Signal: 1

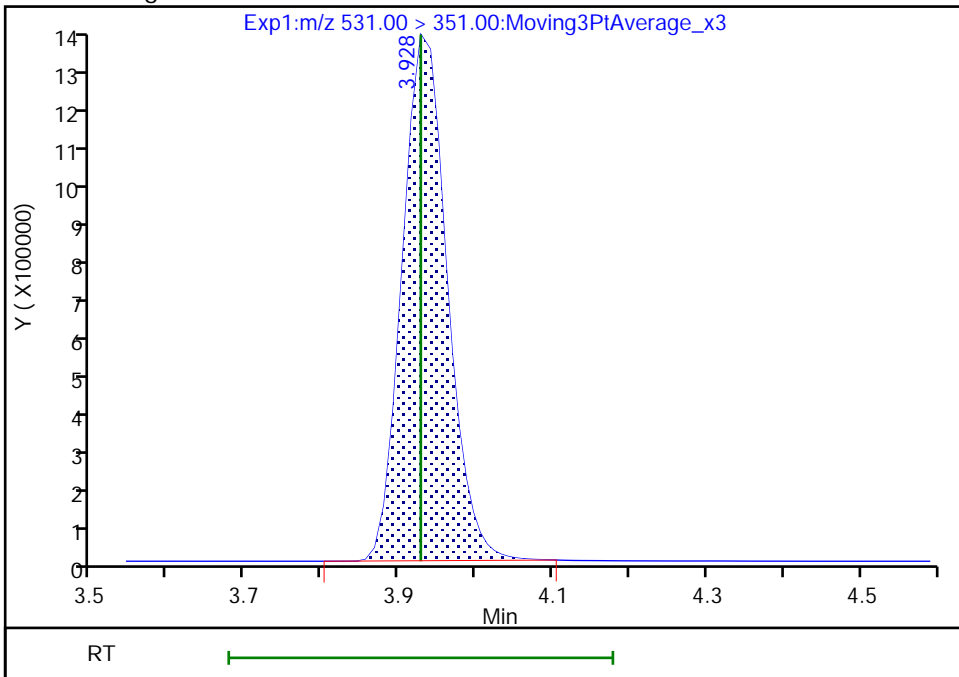
RT: 3.93
Area: 5551905
Amount: 2.217261
Amount Units: ng/ml

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
Page 320 of 939

Eurofins Burlington

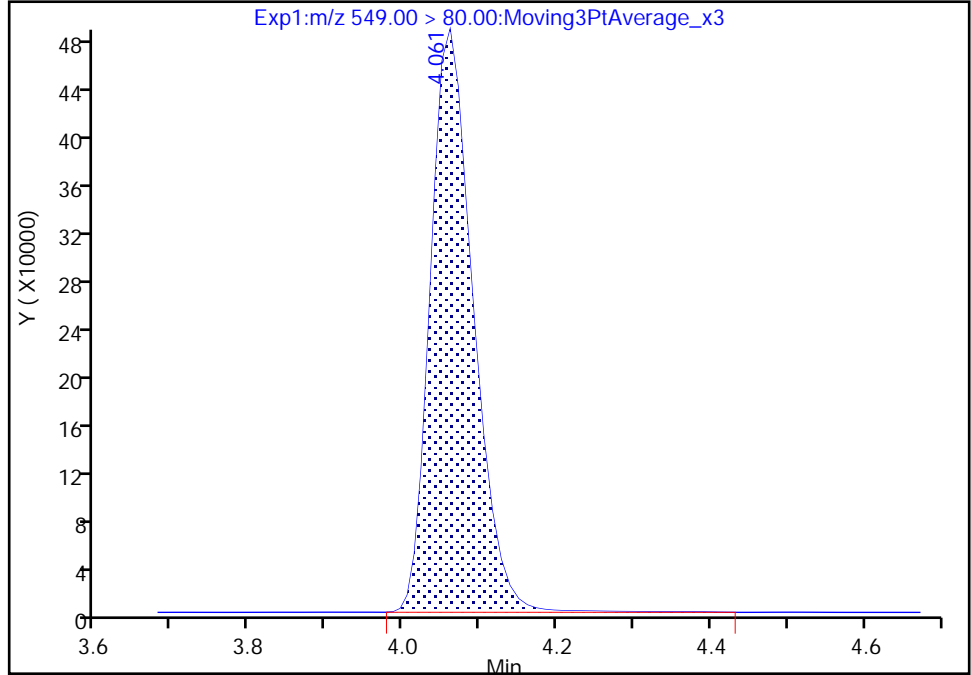
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 1

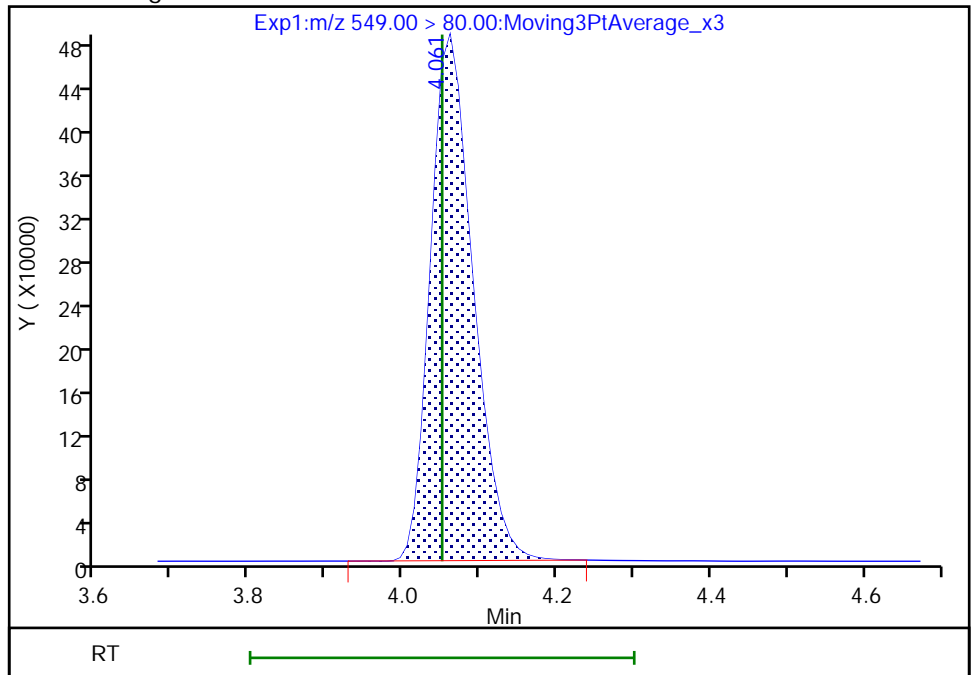
RT: 4.06
Area: 1886351
Amount: 2.304603
Amount Units: ng/ml

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

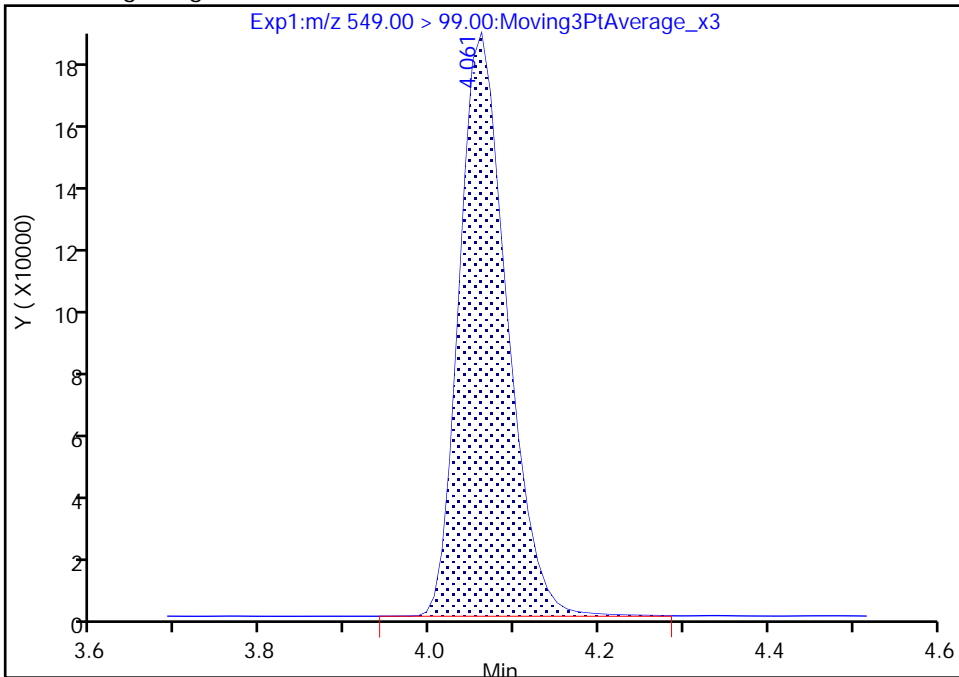
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 2

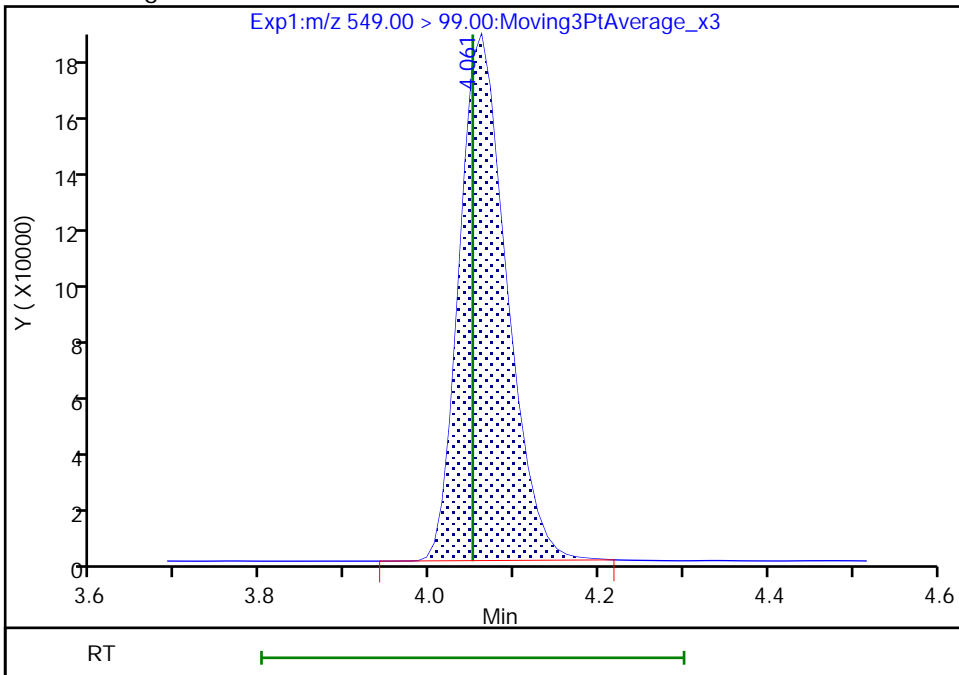
RT: 4.06
Area: 731815
Amount: 2.304603
Amount Units: ng/ml

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

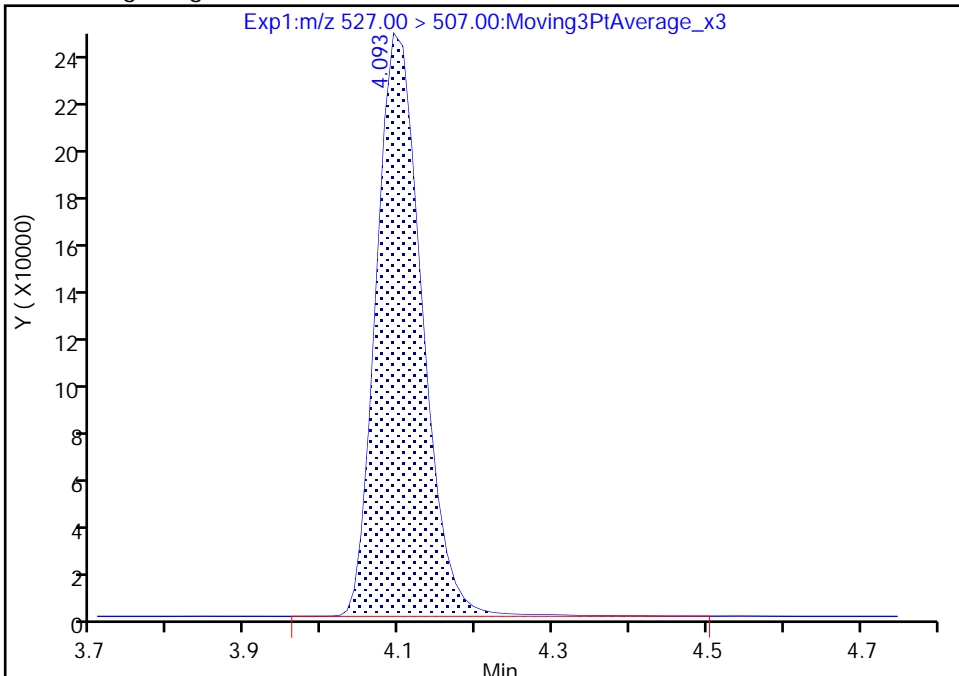
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

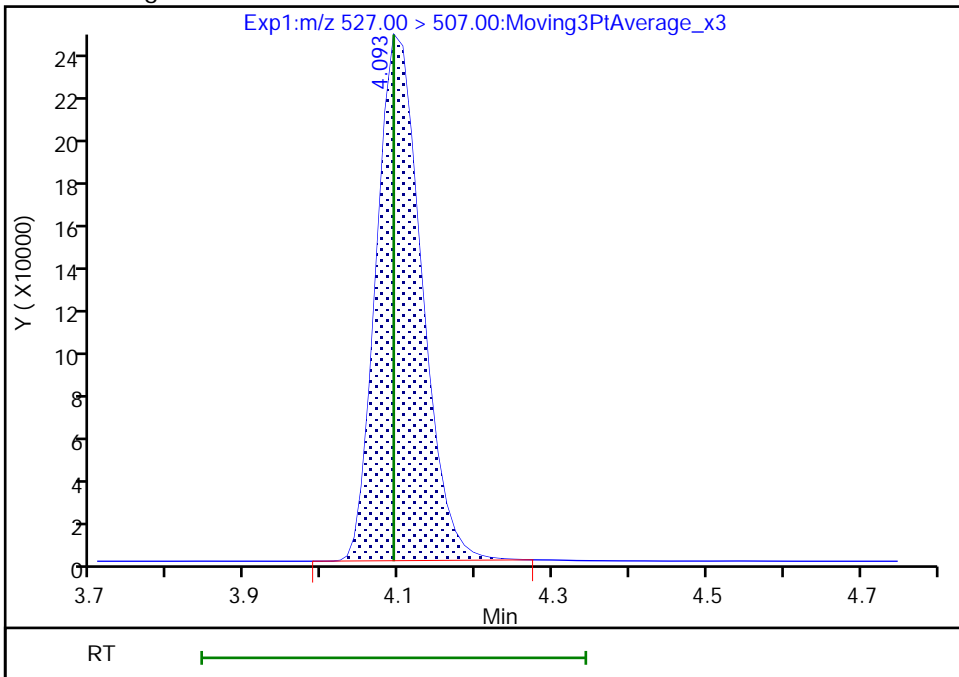
RT: 4.09
Area: 1022916
Amount: 2.334633
Amount Units: ng/ml

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

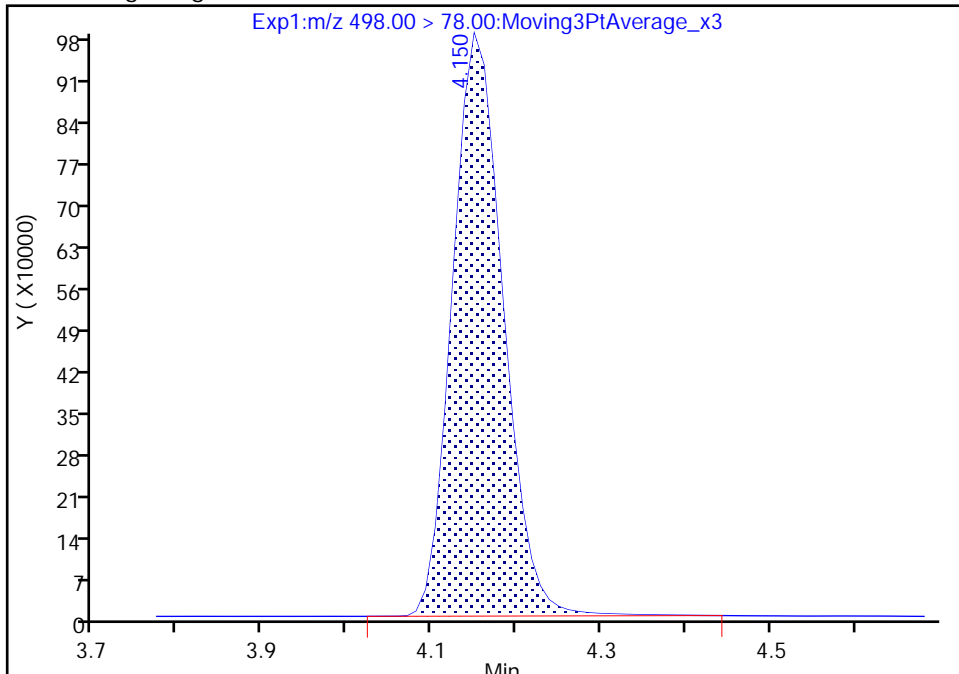
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

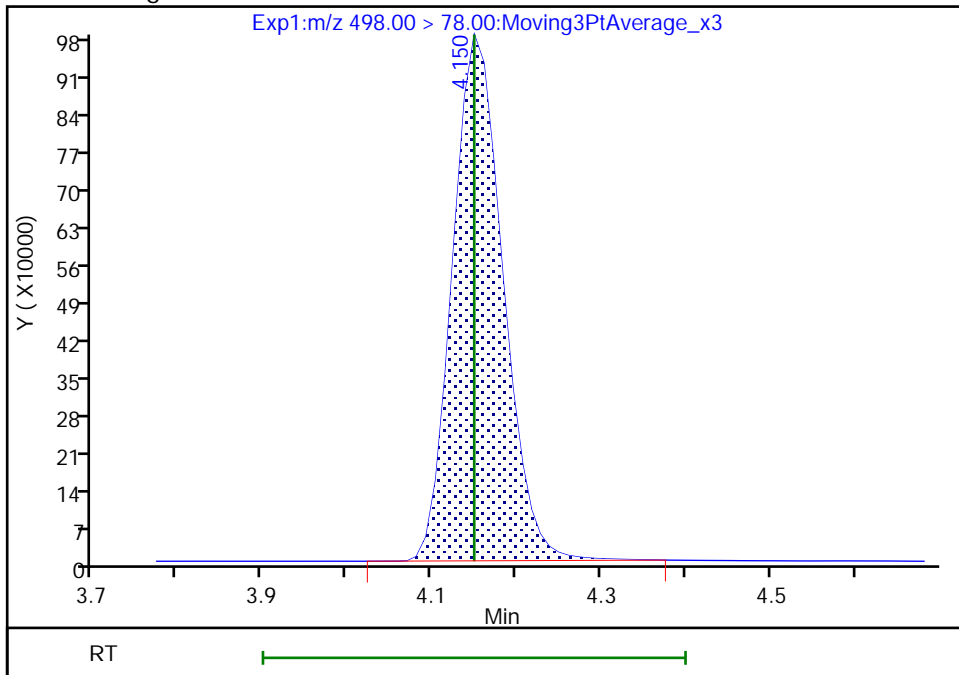
RT: 4.15
Area: 4106928
Amount: 2.428009
Amount Units: ng/ml

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

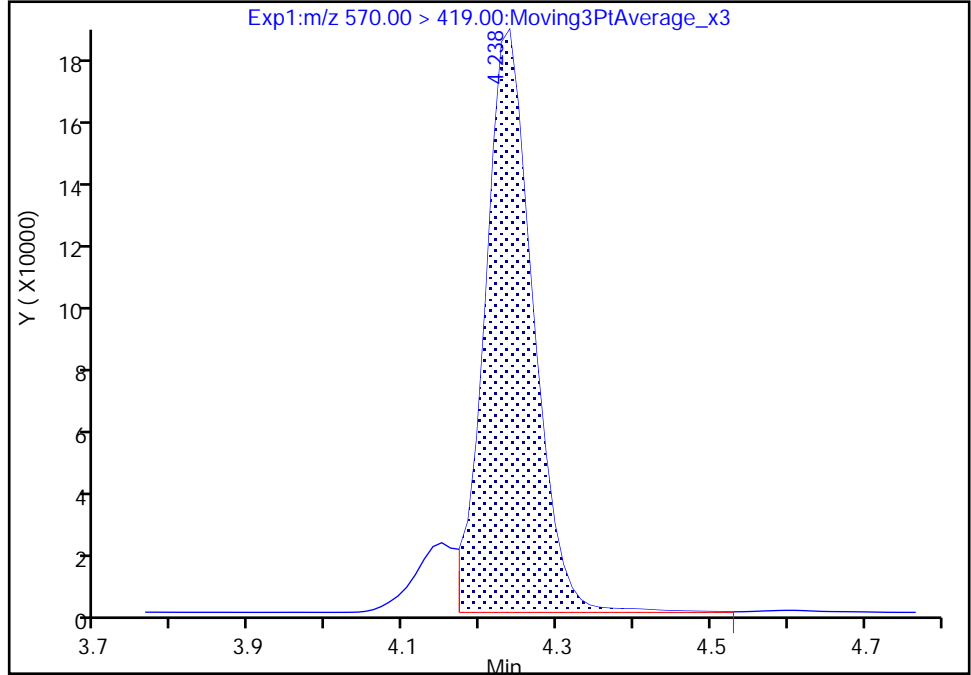
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

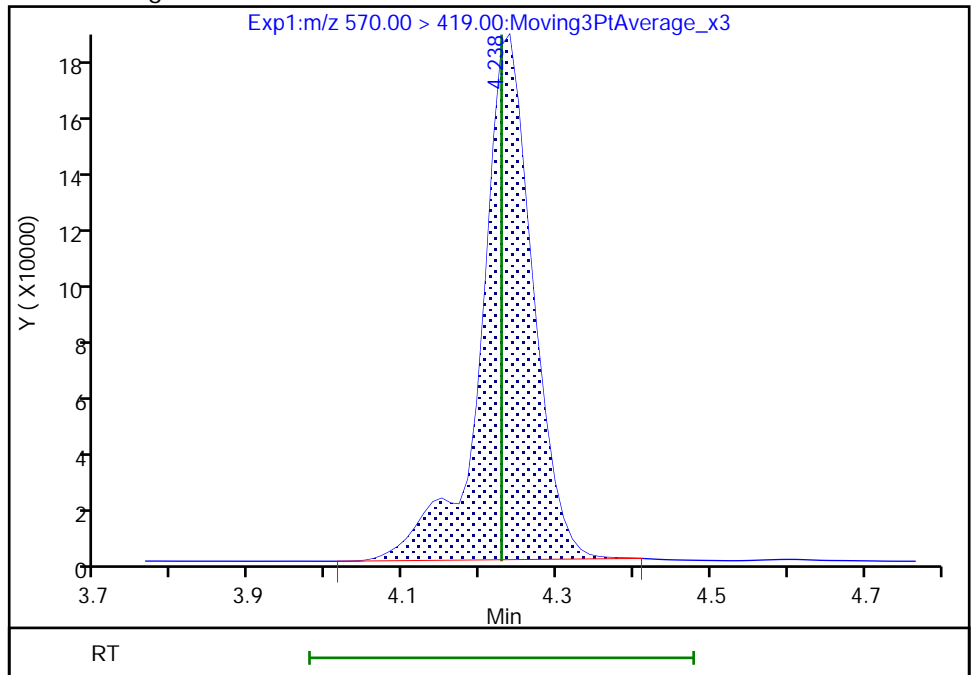
RT: 4.24
Area: 804661
Amount: 2.140771
Amount Units: ng/ml

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

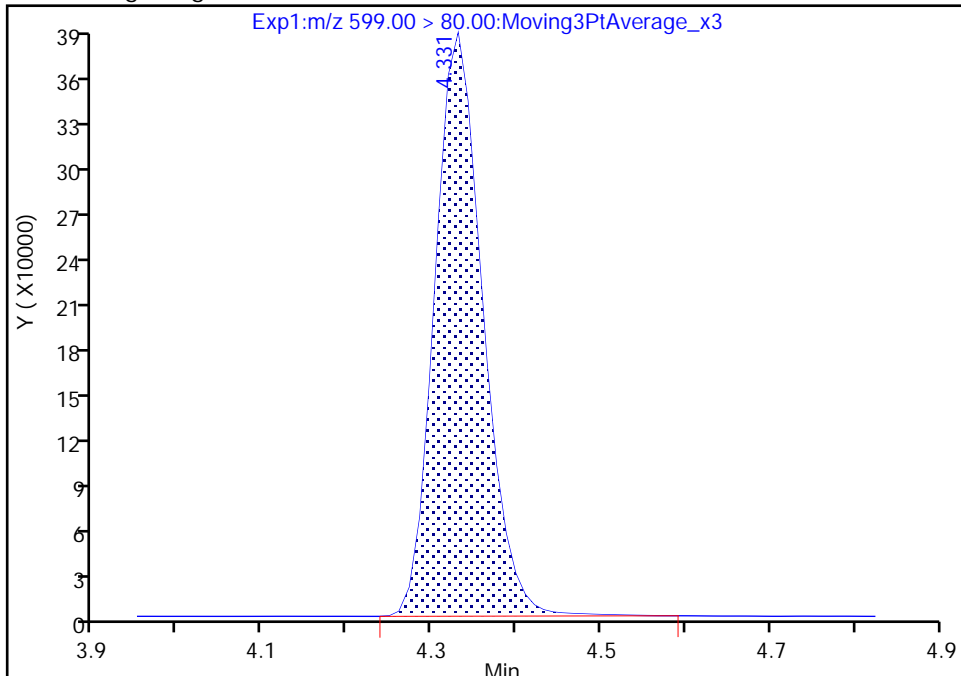
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

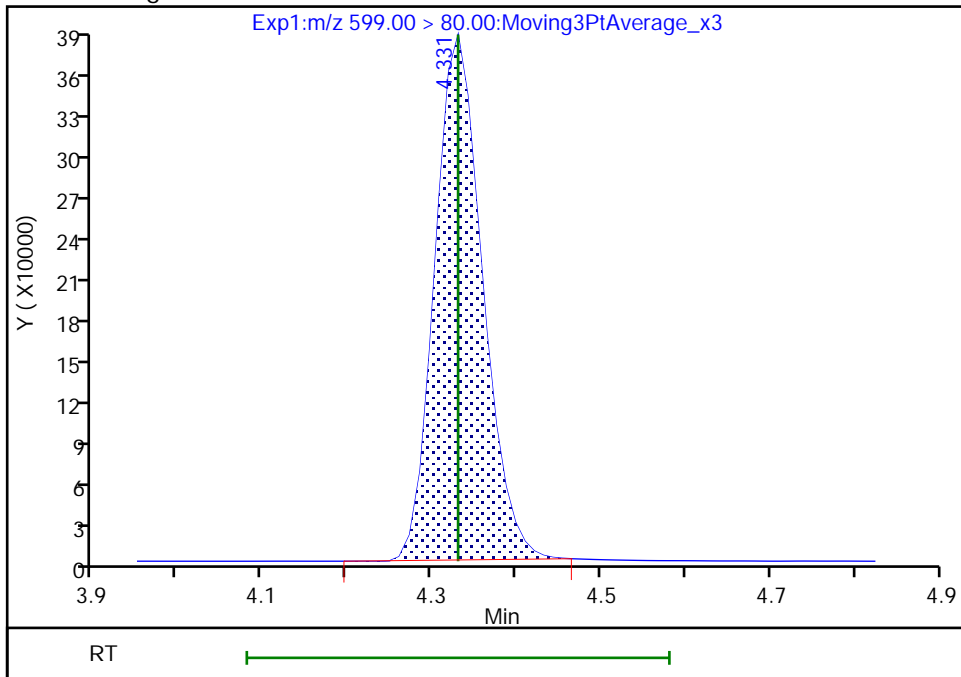
RT: 4.33
Area: 1514276
Amount: 2.351873
Amount Units: ng/ml

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

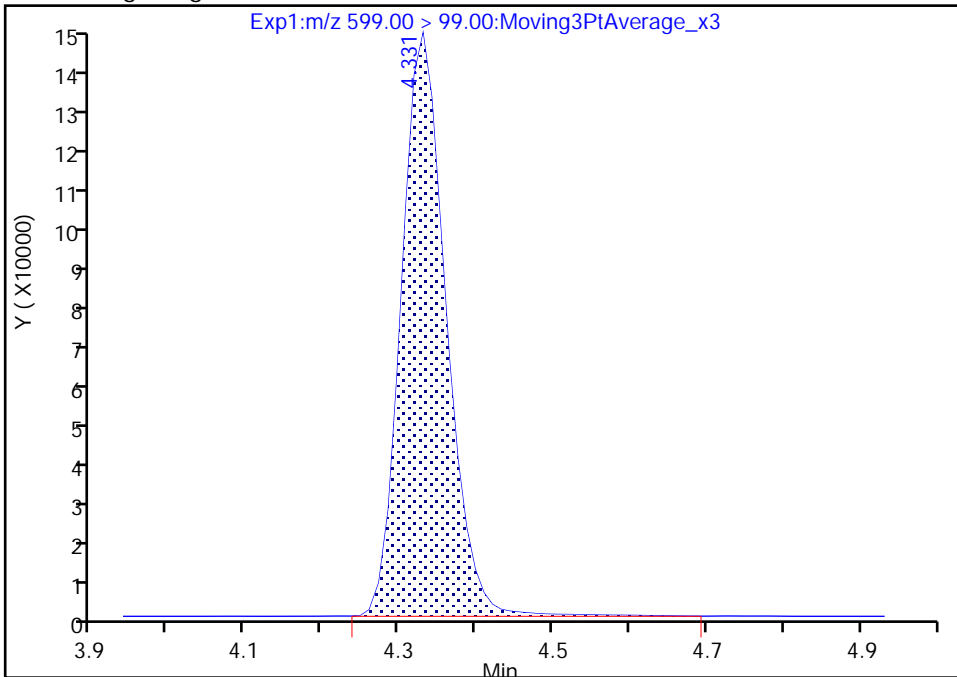
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

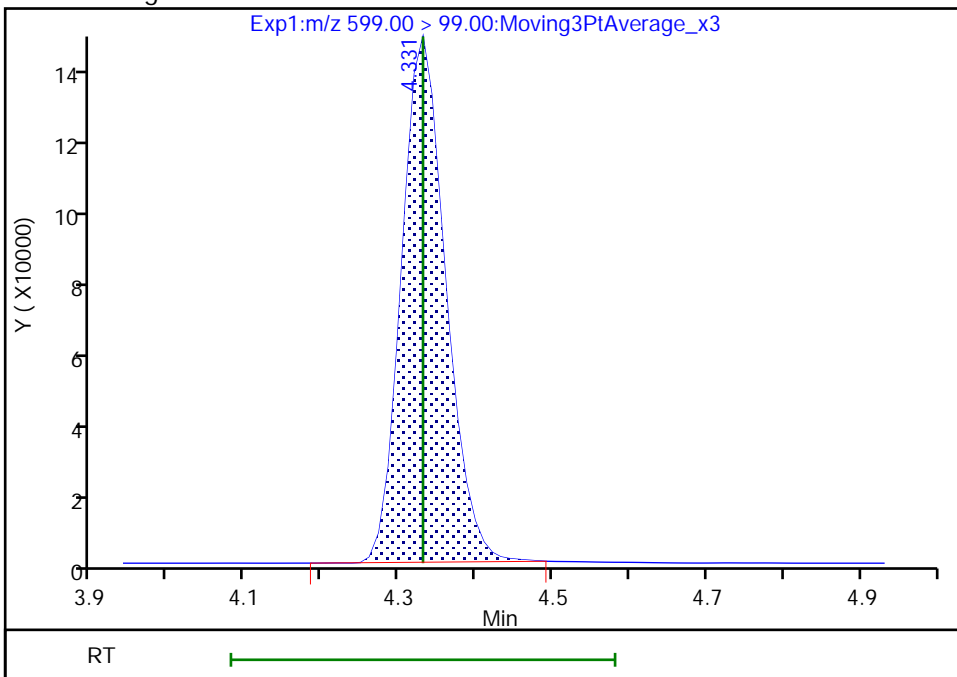
RT: 4.33
Area: 570570
Amount: 2.351873
Amount Units: ng/ml

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

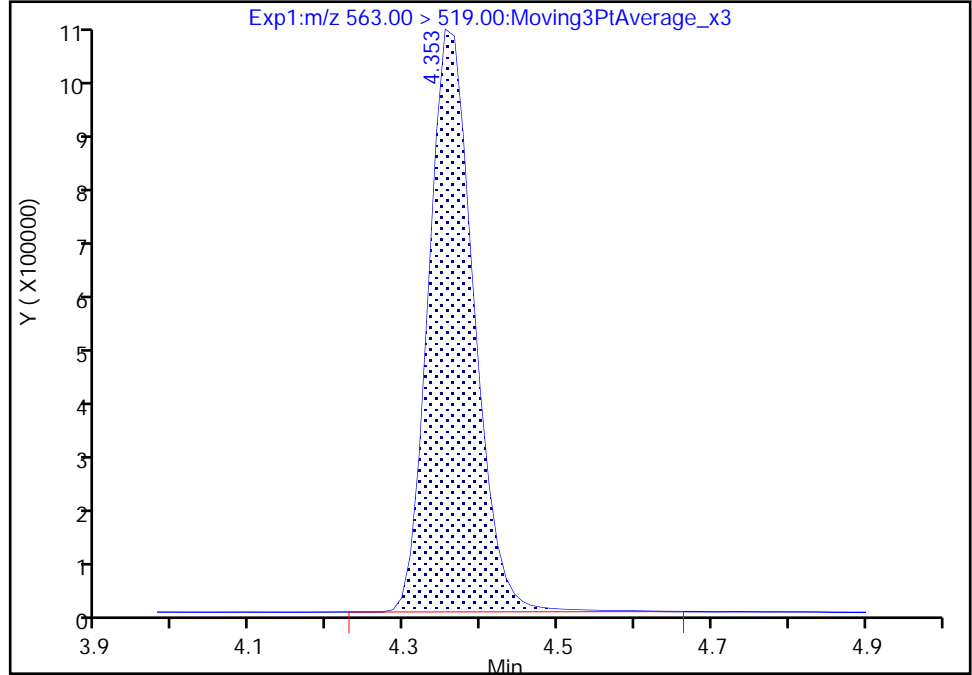
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

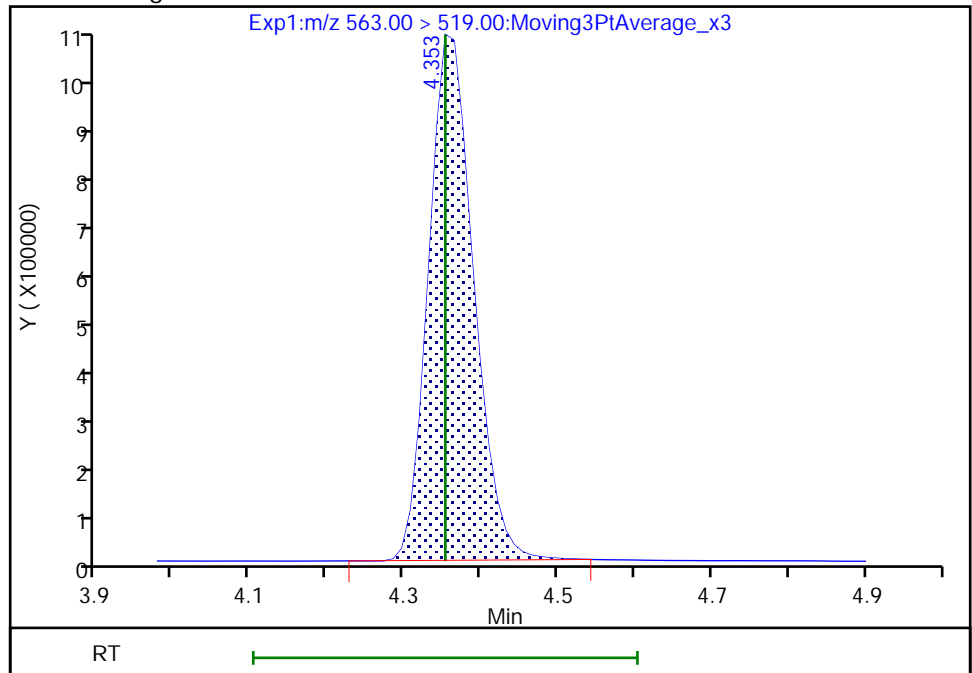
RT: 4.35
Area: 4342724
Amount: 2.330777
Amount Units: ng/ml

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

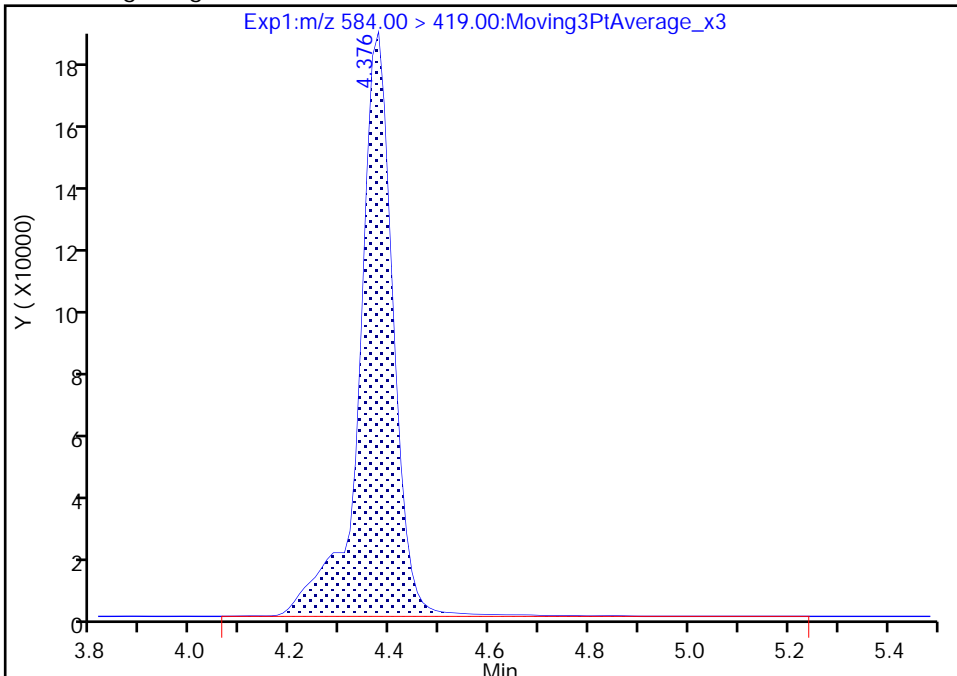
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

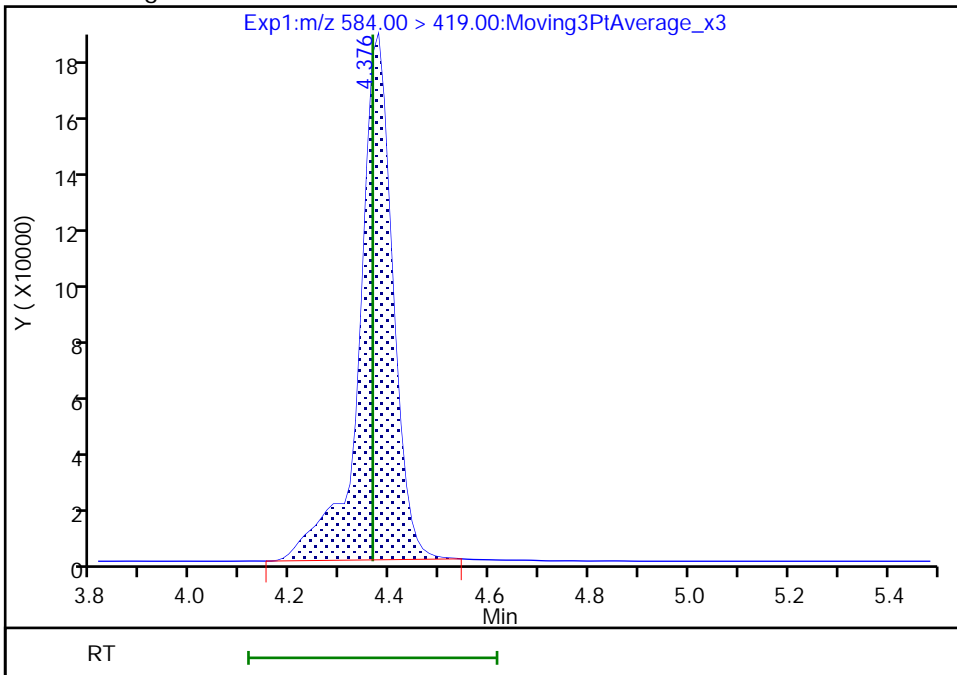
RT: 4.38
Area: 865426
Amount: 2.394972
Amount Units: ng/ml

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

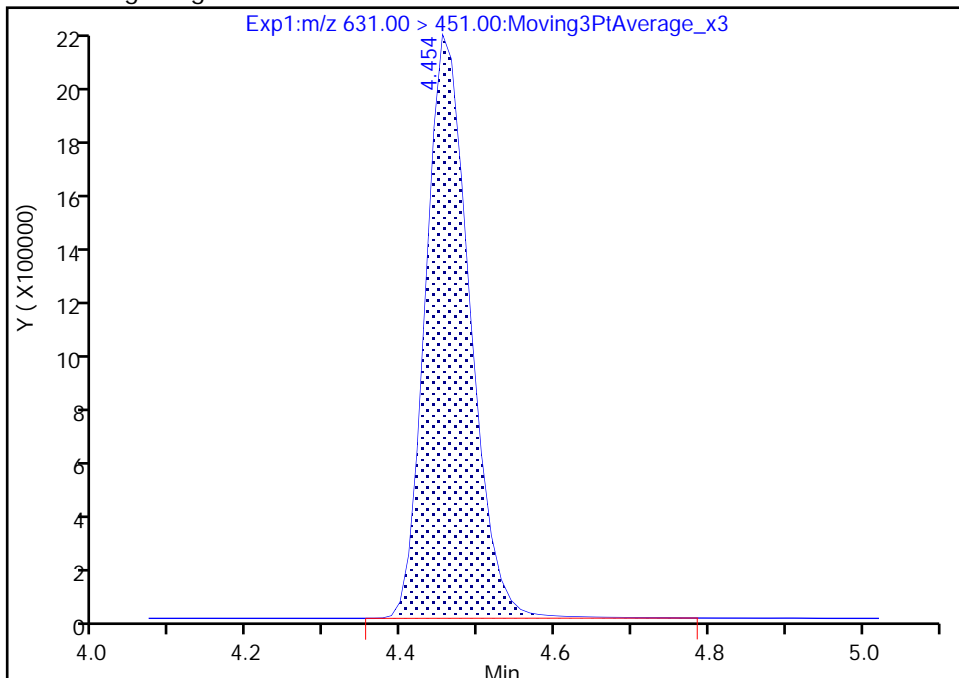
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

66 11-Chloroeicosafuoro-3-oxaundec, CAS: 763051-92-9

Signal: 1

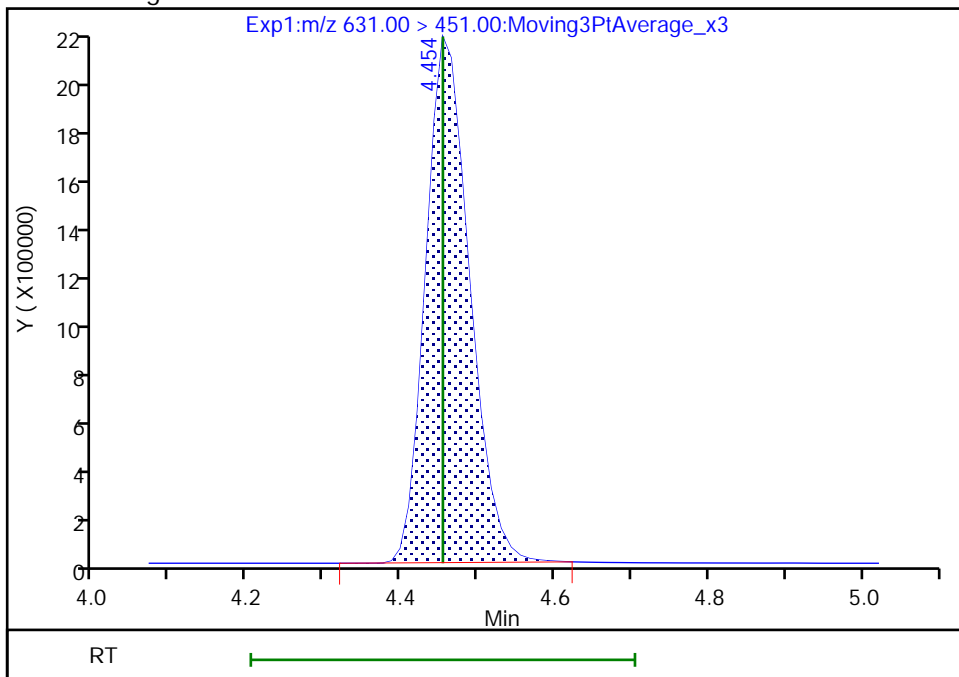
RT: 4.45
Area: 8707195
Amount: 2.232773
Amount Units: ng/ml

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

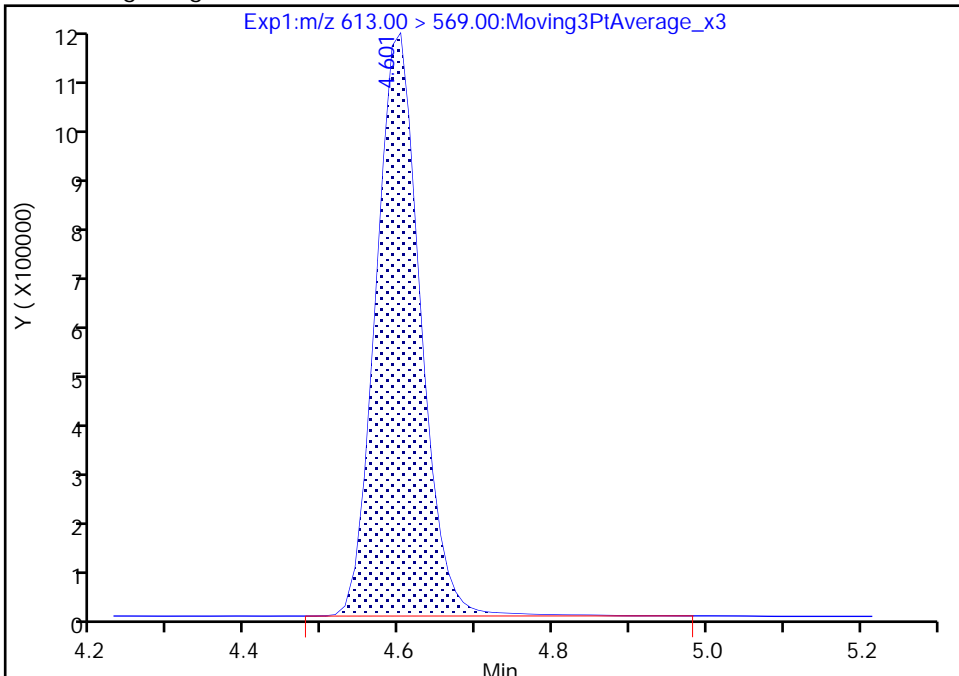
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

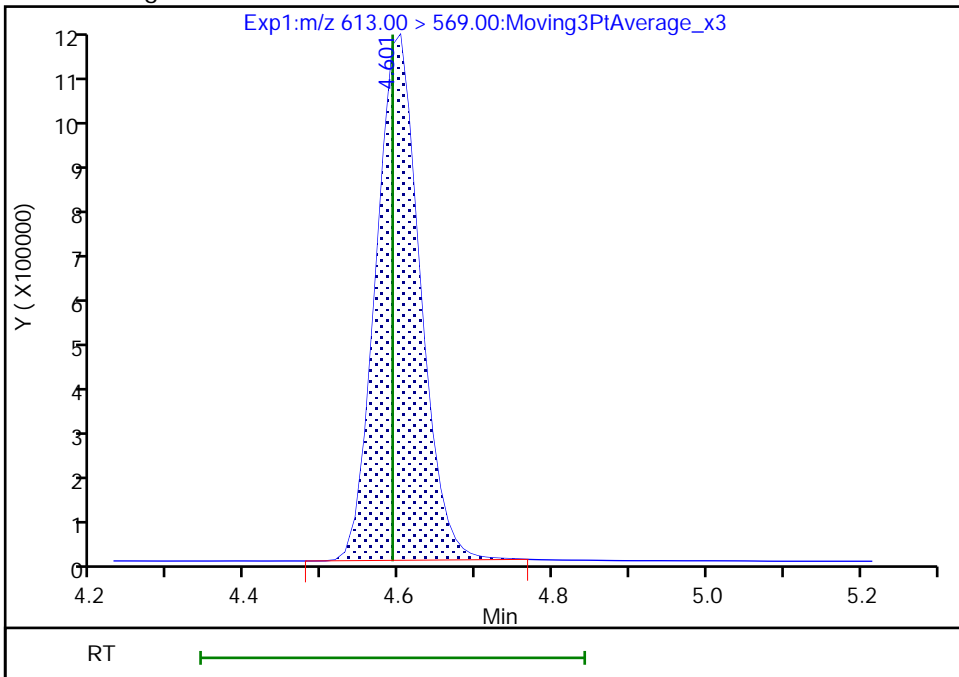
RT: 4.60
Area: 4561804
Amount: 2.236540
Amount Units: ng/ml

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

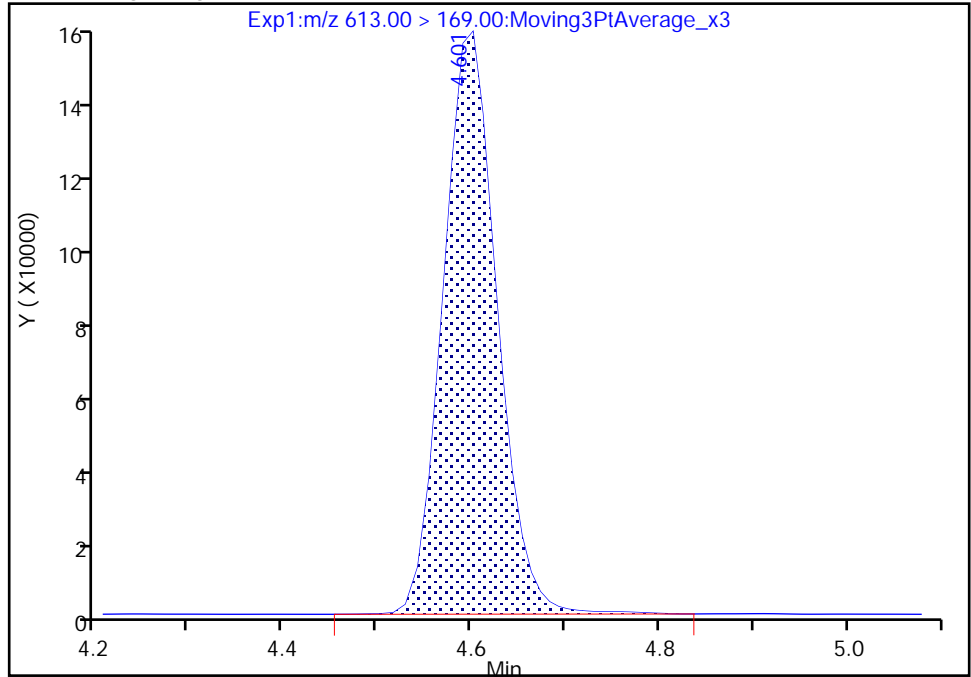
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

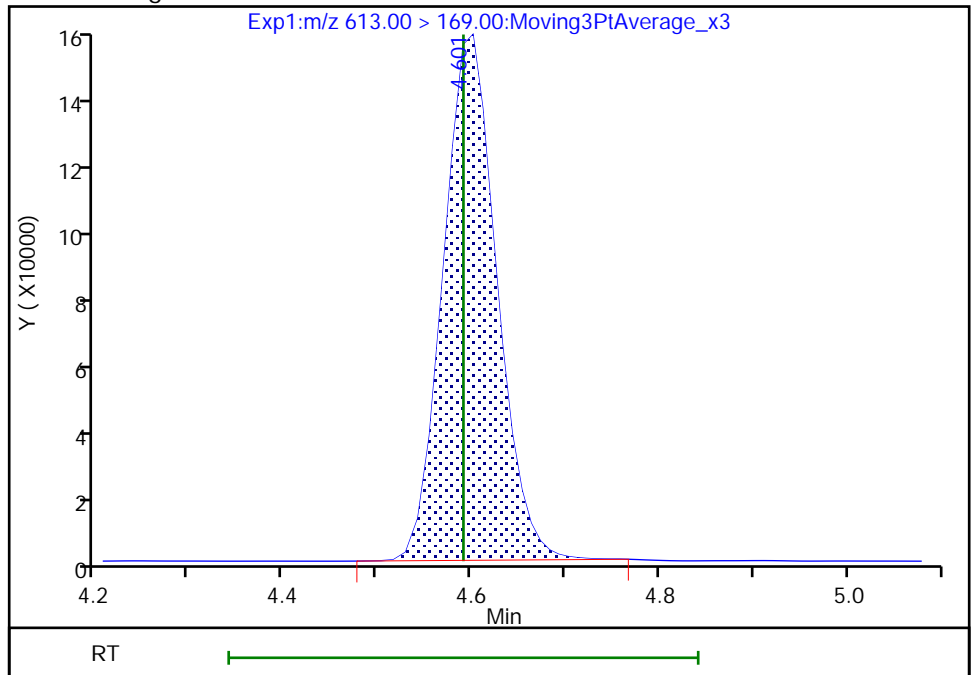
RT: 4.60
Area: 634336
Amount: 2.236540
Amount Units: ng/ml

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
Page 332 of 939

Eurofins Burlington

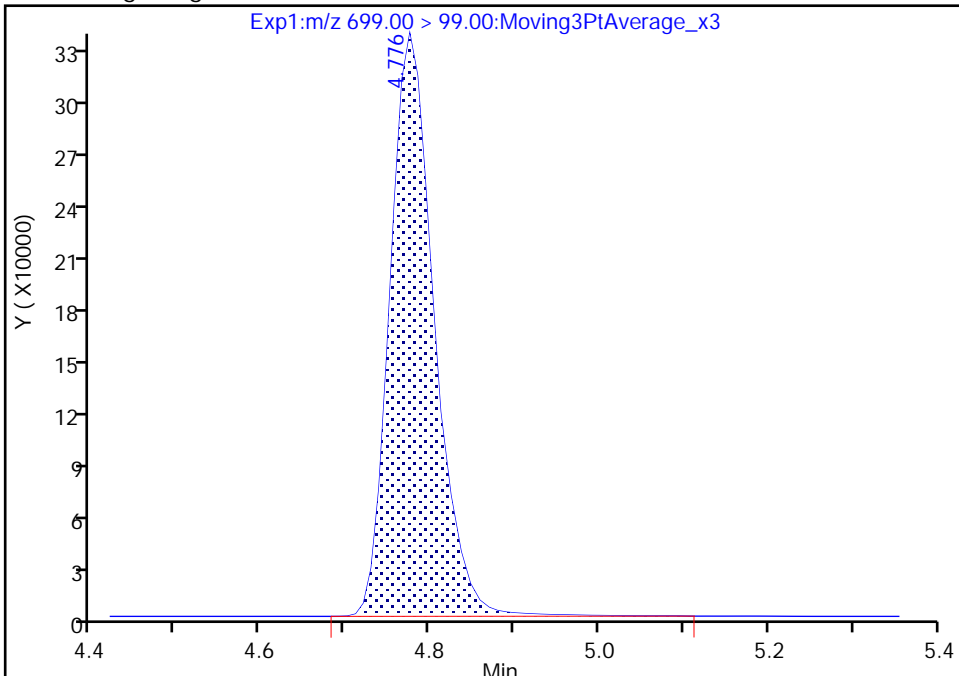
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

75 Perfluorododecanesulfonic acid (, CAS: 79780-39-5

Signal: 2

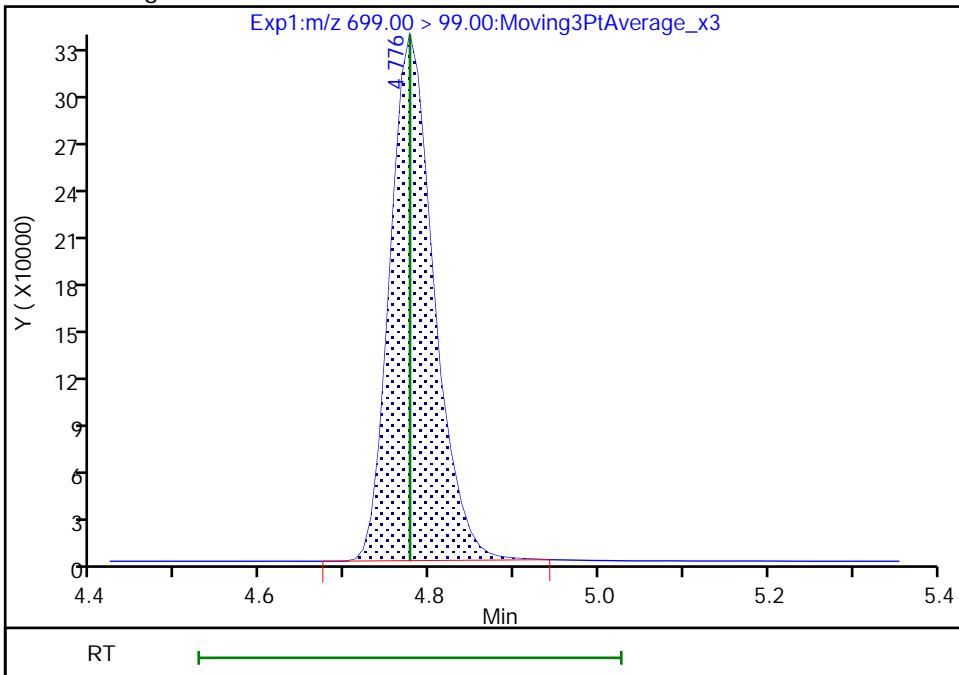
RT: 4.78
Area: 1228390
Amount: 2.299098
Amount Units: ng/ml

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

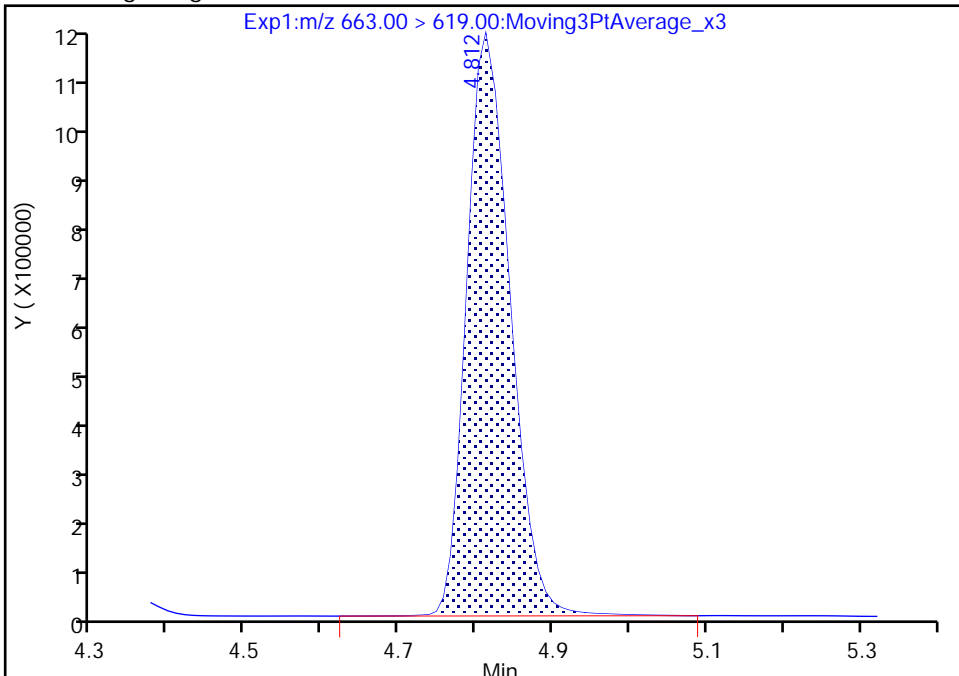
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

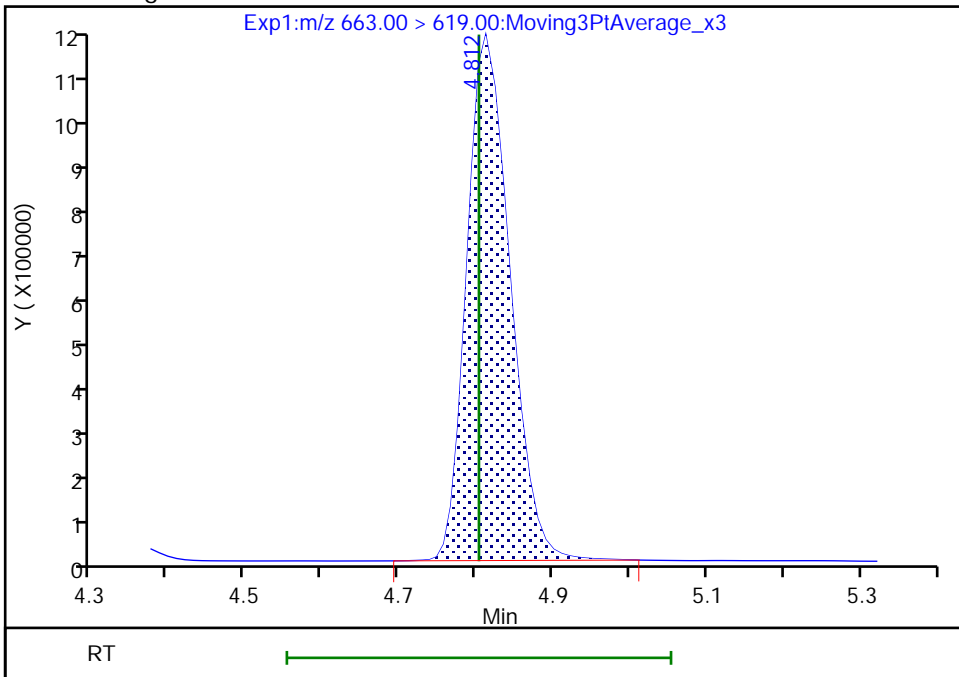
RT: 4.81
Area: 4593419
Amount: 2.351993
Amount Units: ng/ml

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

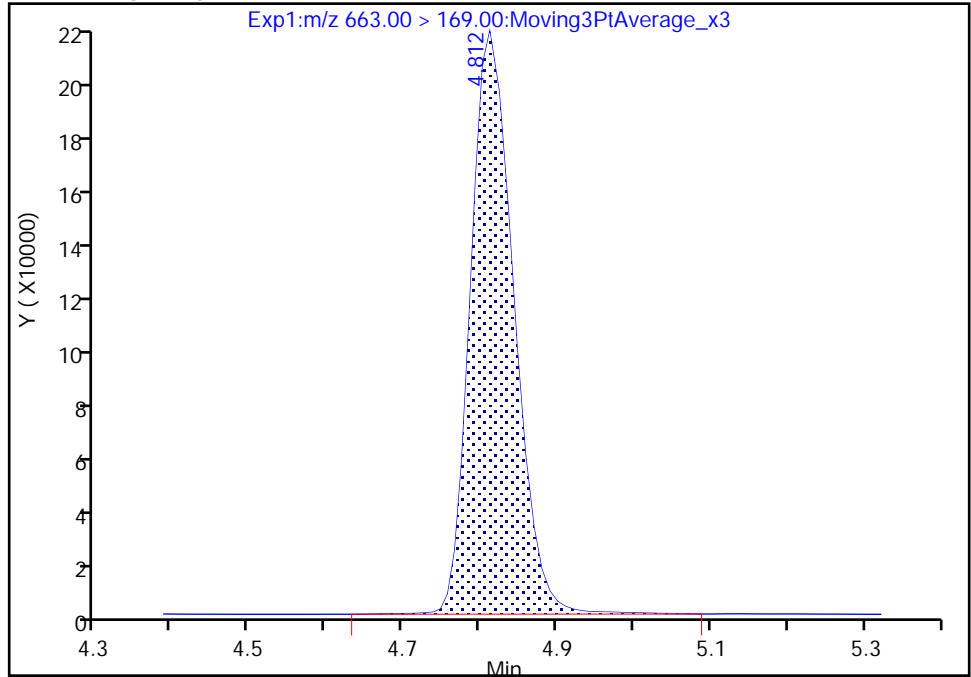
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

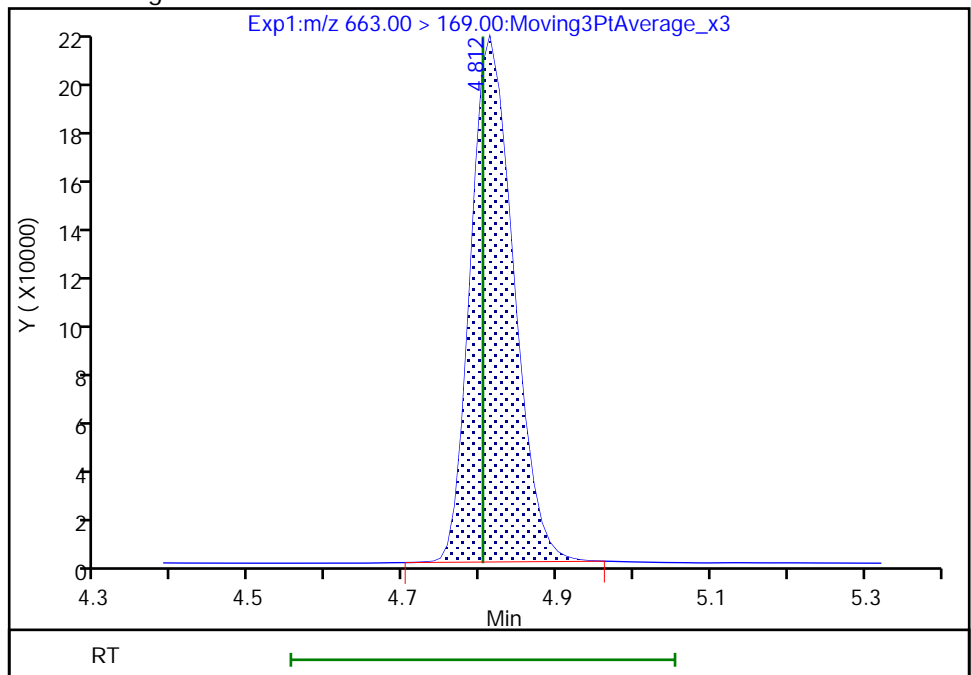
RT: 4.81
Area: 851410
Amount: 2.351993
Amount Units: ng/ml

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

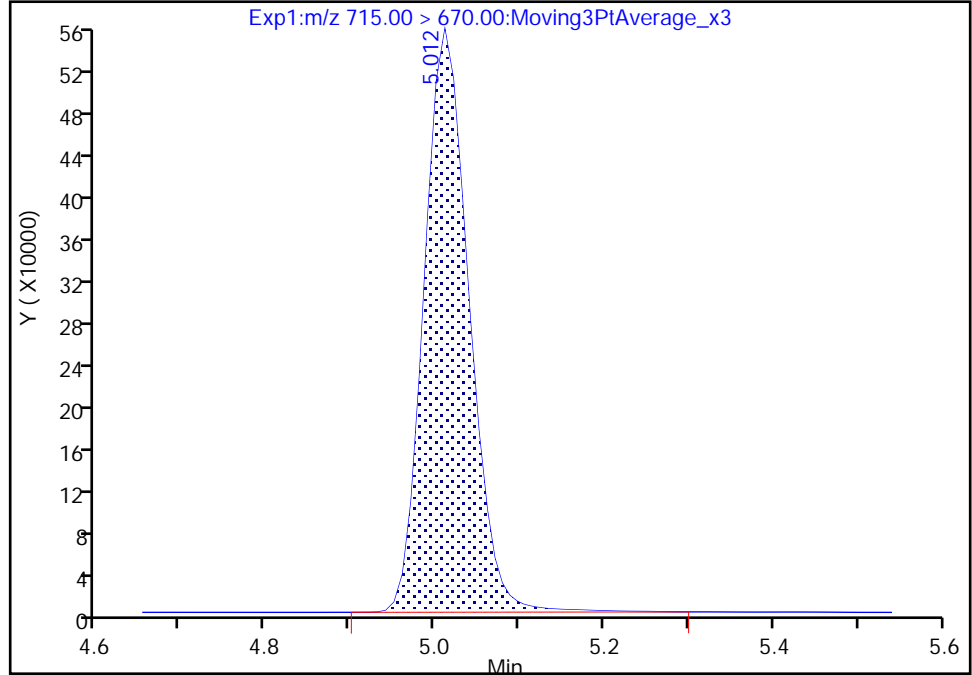
Eurofins Burlington

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

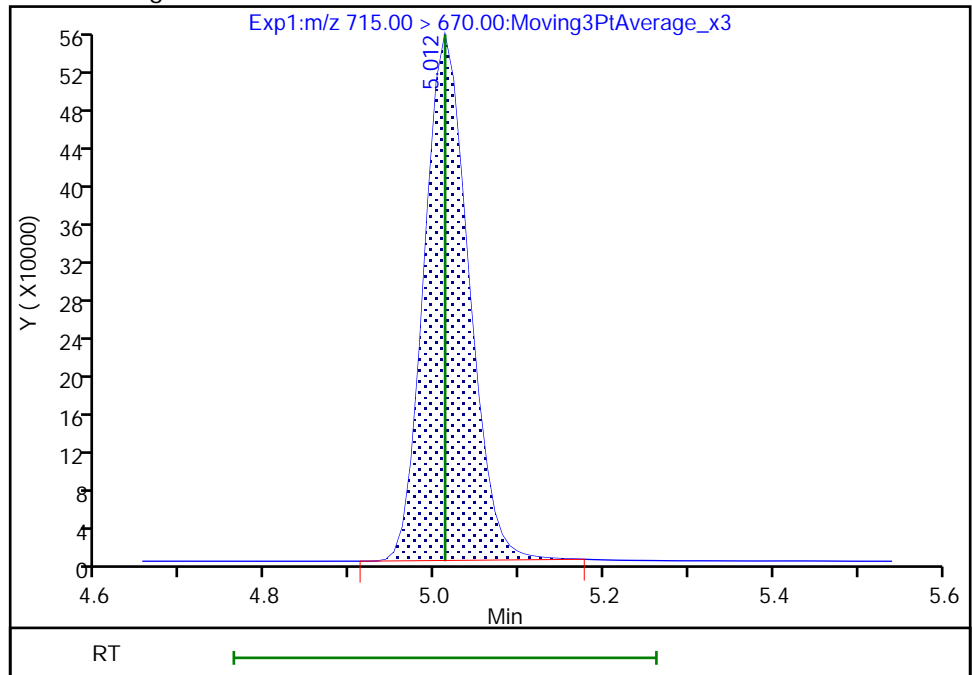
RT: 5.01
Area: 2033072
Amount: 1.303301
Amount Units: ng/ml

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

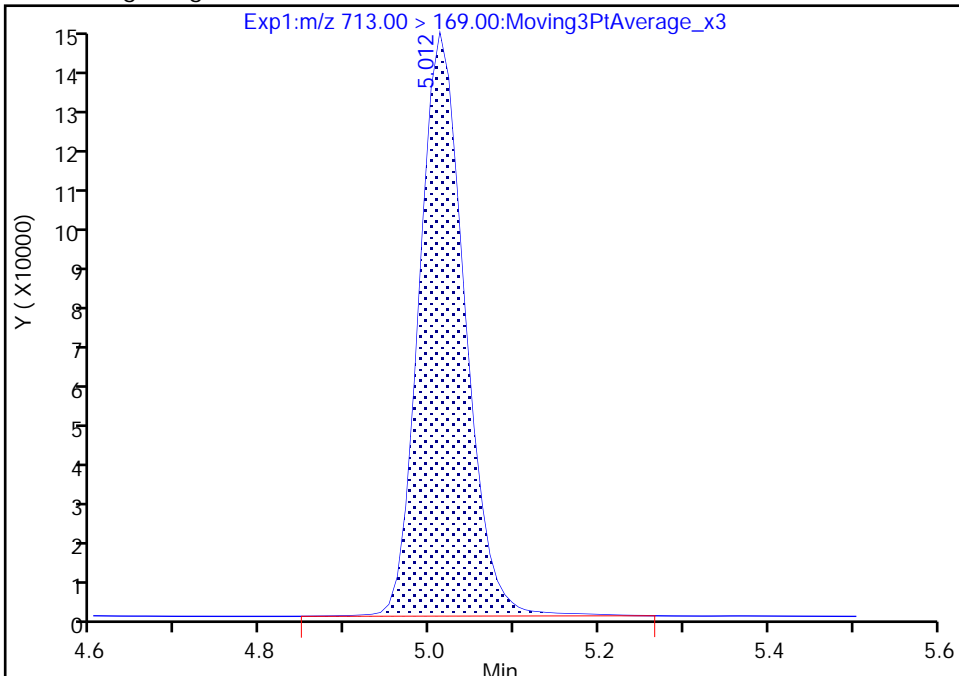
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

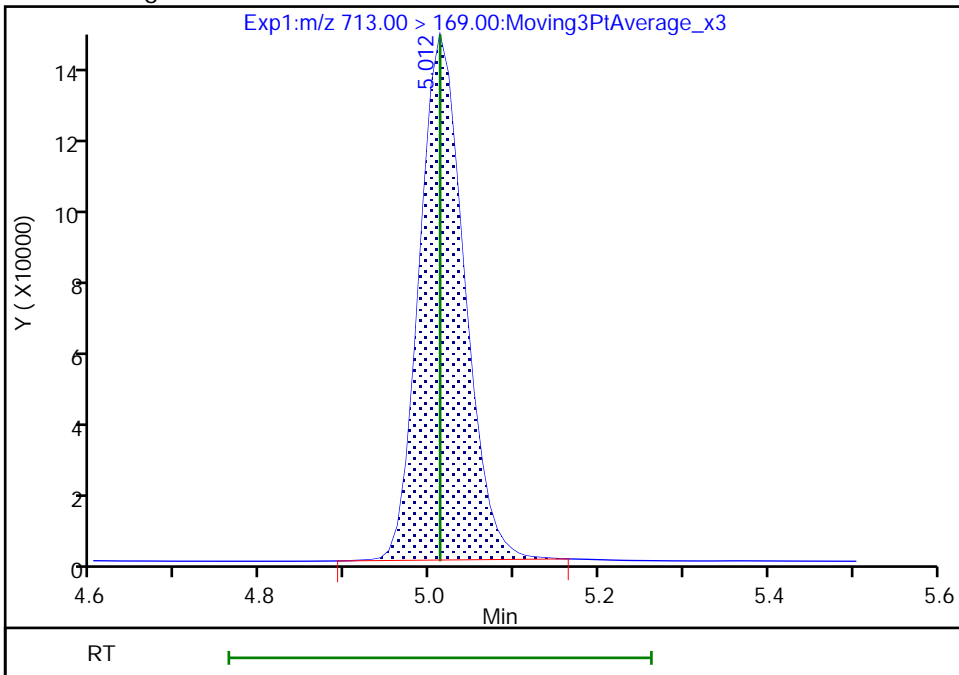
RT: 5.01
Area: 525519
Amount: 2.325898
Amount Units: ng/ml

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

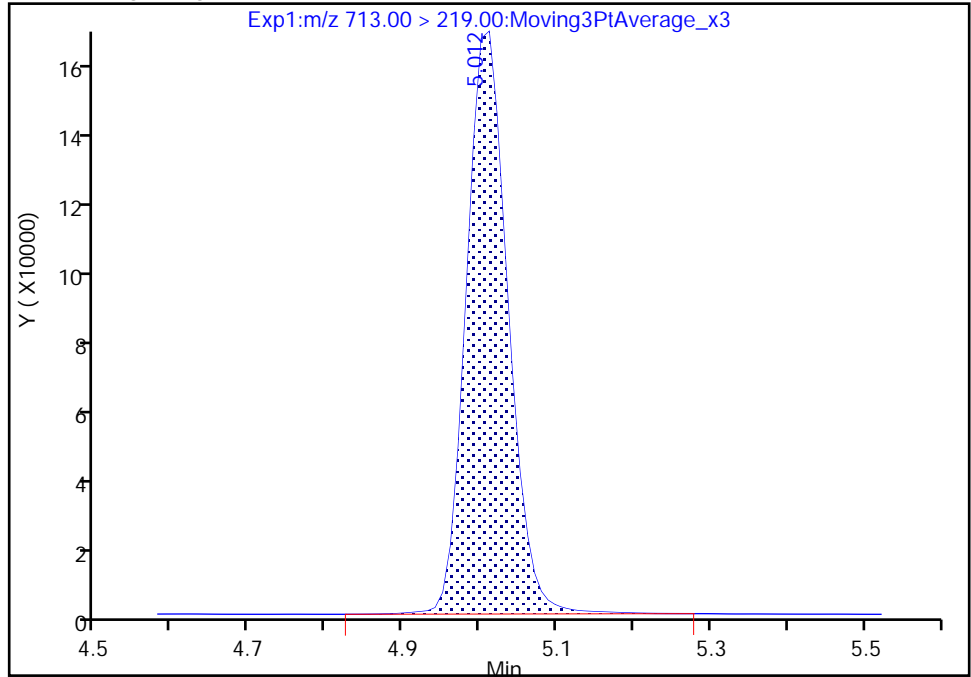
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

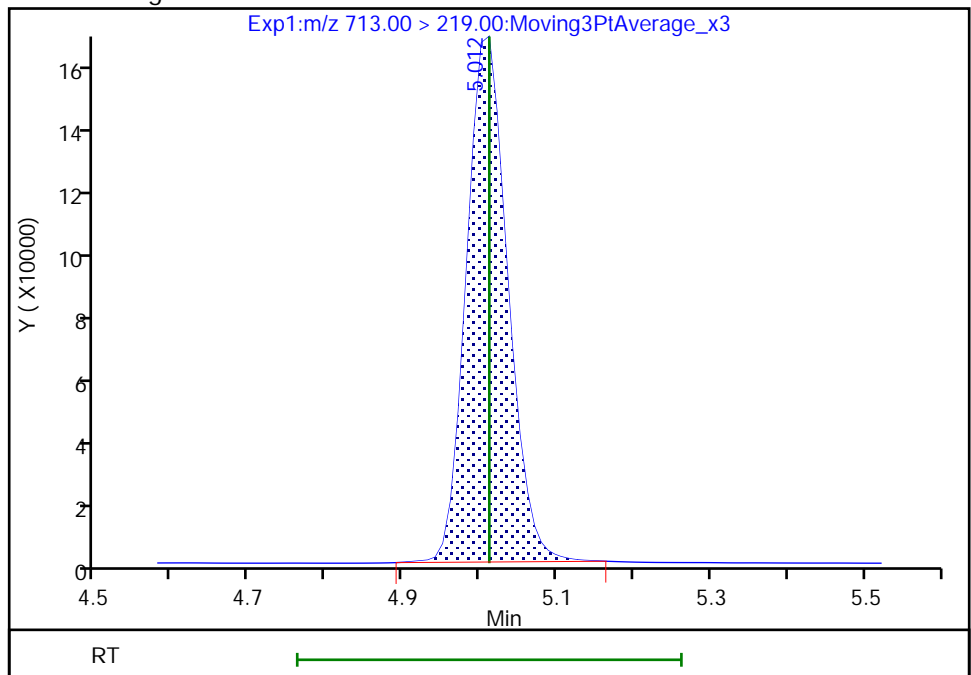
RT: 5.01
Area: 616529
Amount: 2.325898
Amount Units: ng/ml

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

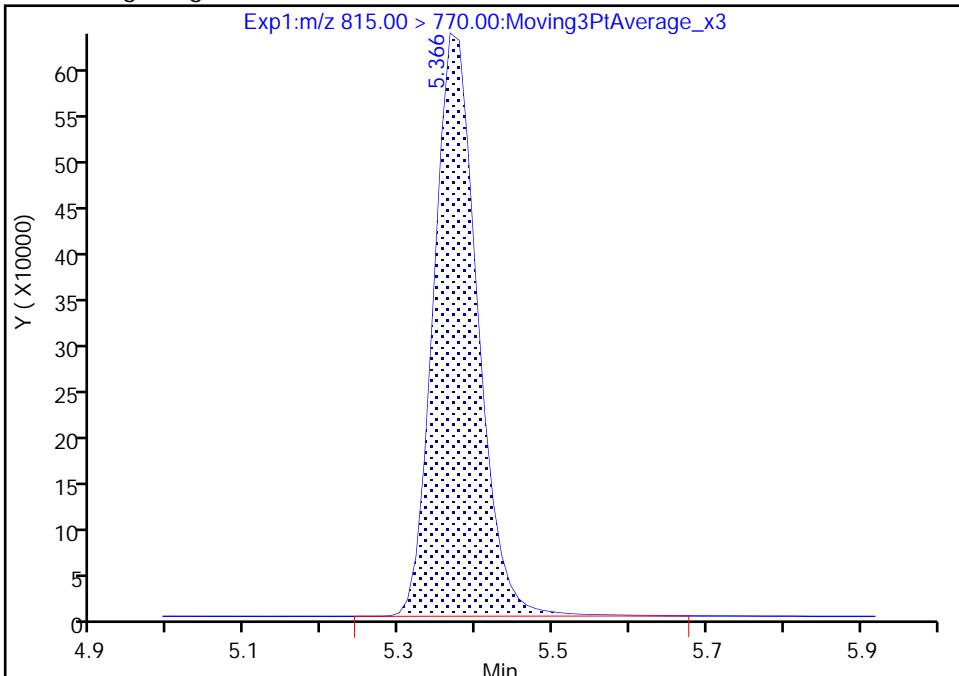
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

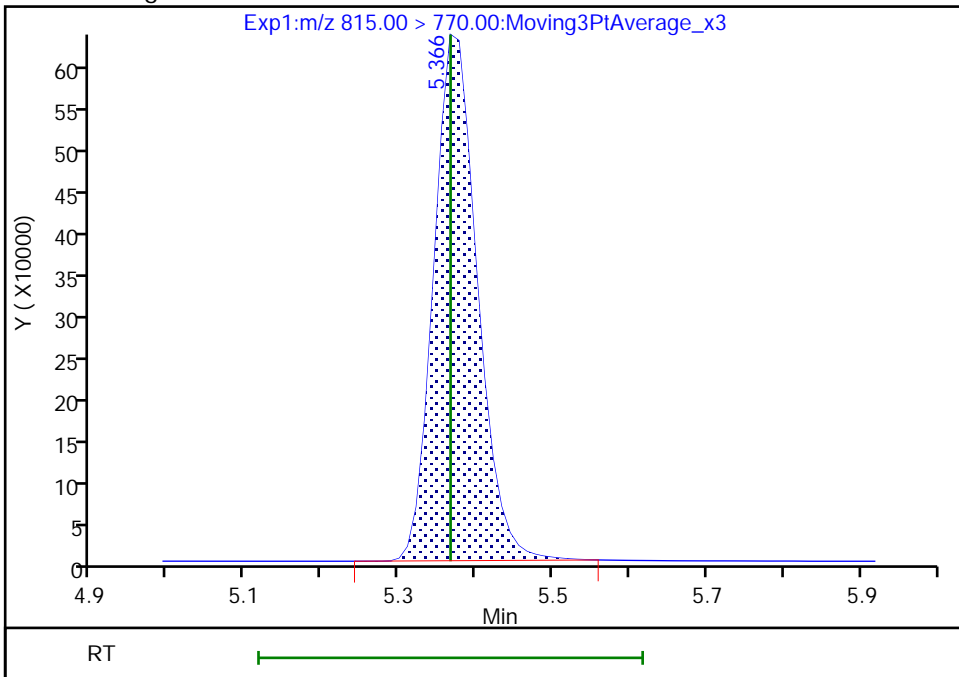
RT: 5.37
Area: 2515726
Amount: 1.303866
Amount Units: ng/ml

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

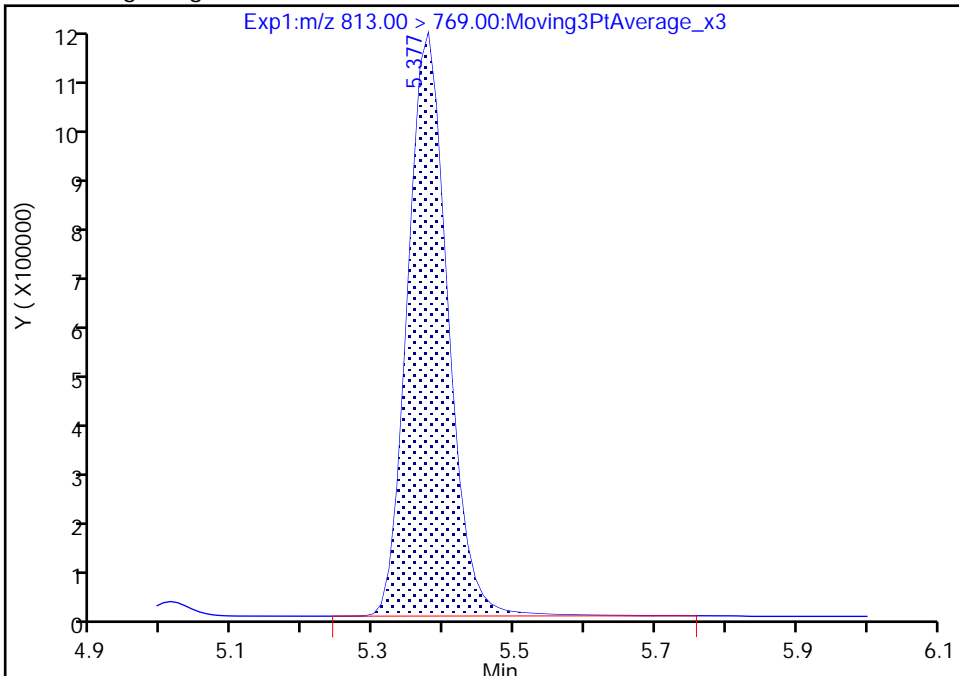
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

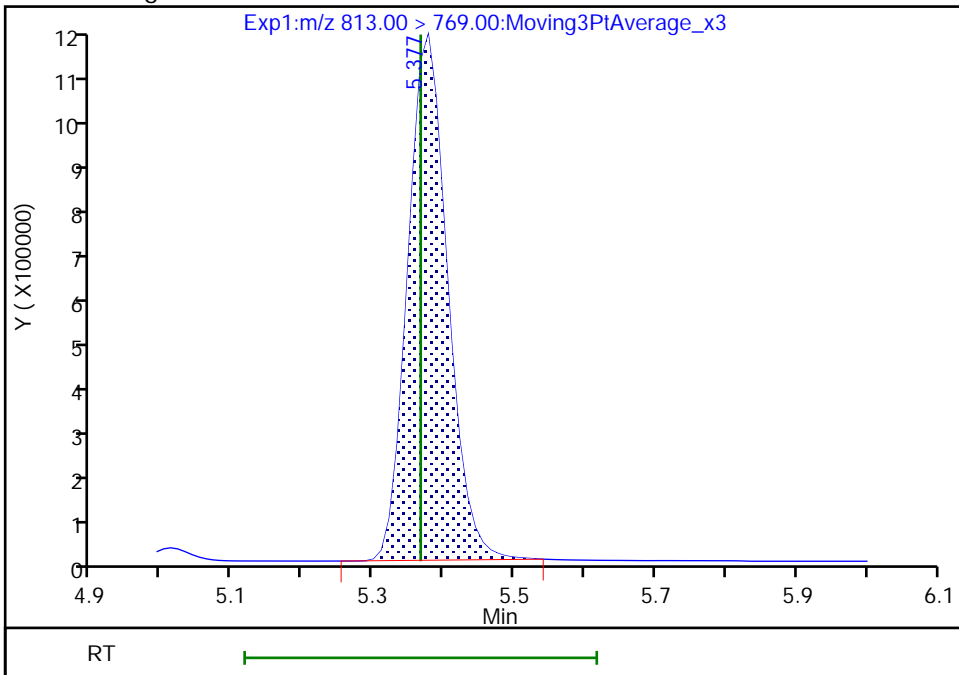
RT: 5.38
Area: 4654754
Amount: 2.502473
Amount Units: ng/ml

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

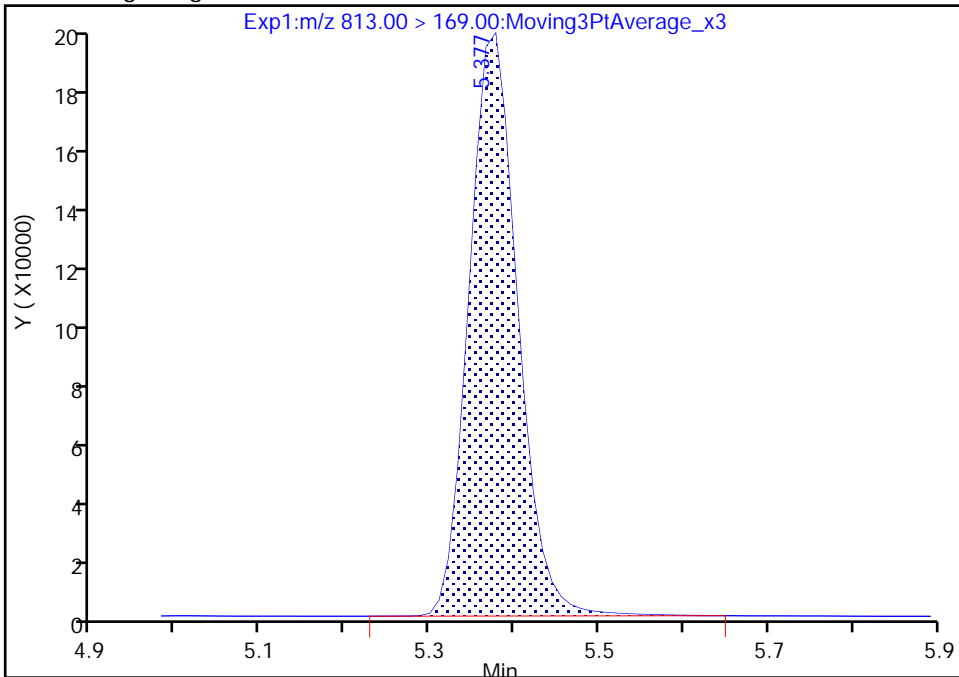
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

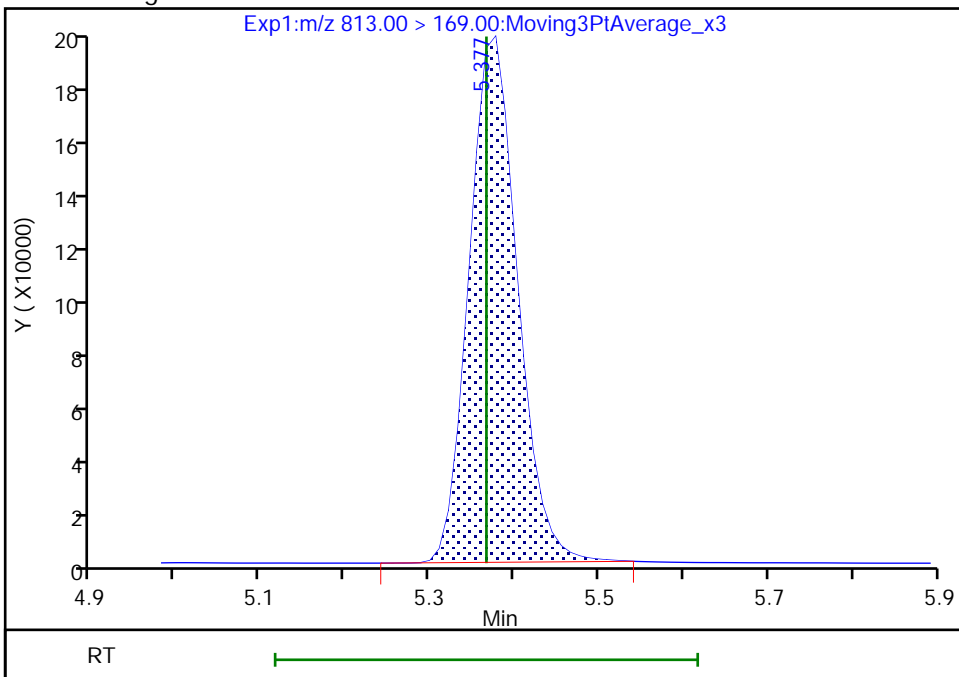
RT: 5.38
Area: 773083
Amount: 2.502473
Amount Units: ng/ml

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

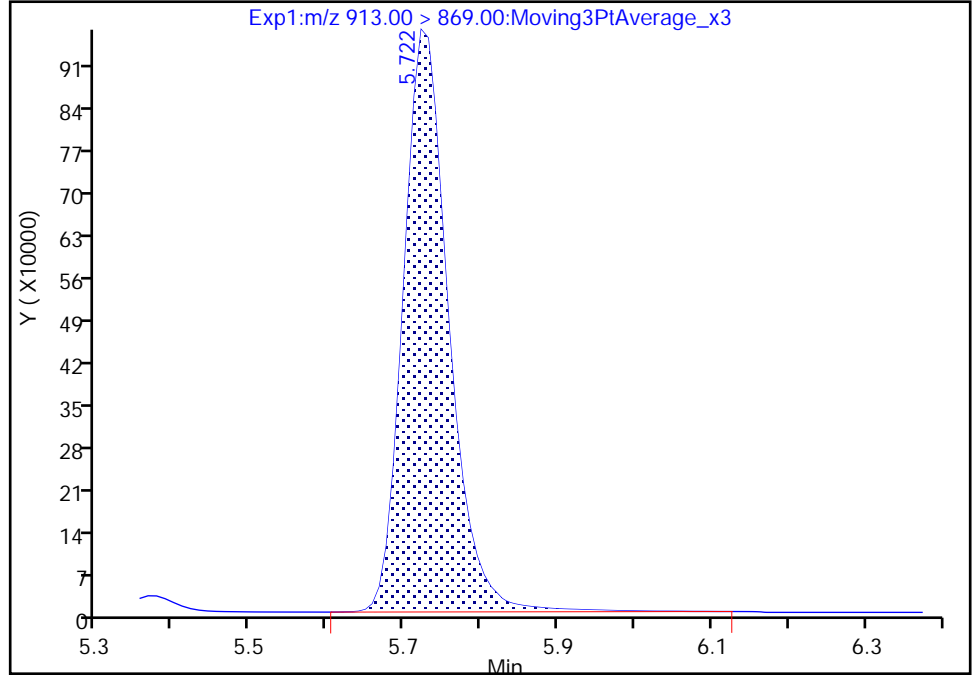
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

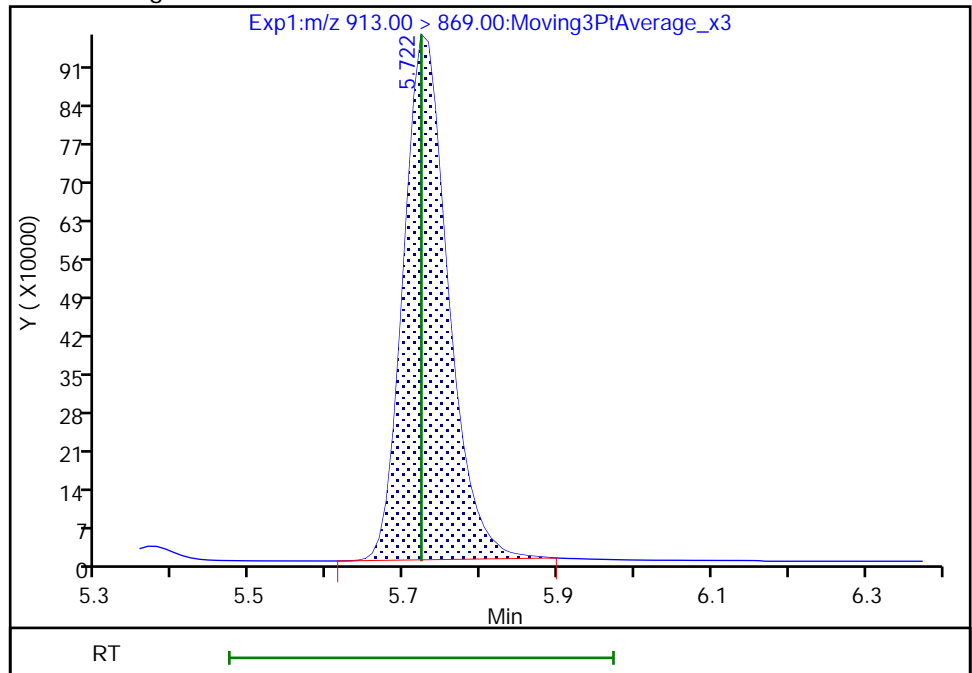
RT: 5.72
Area: 3948972
Amount: 2.362565
Amount Units: ng/ml

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

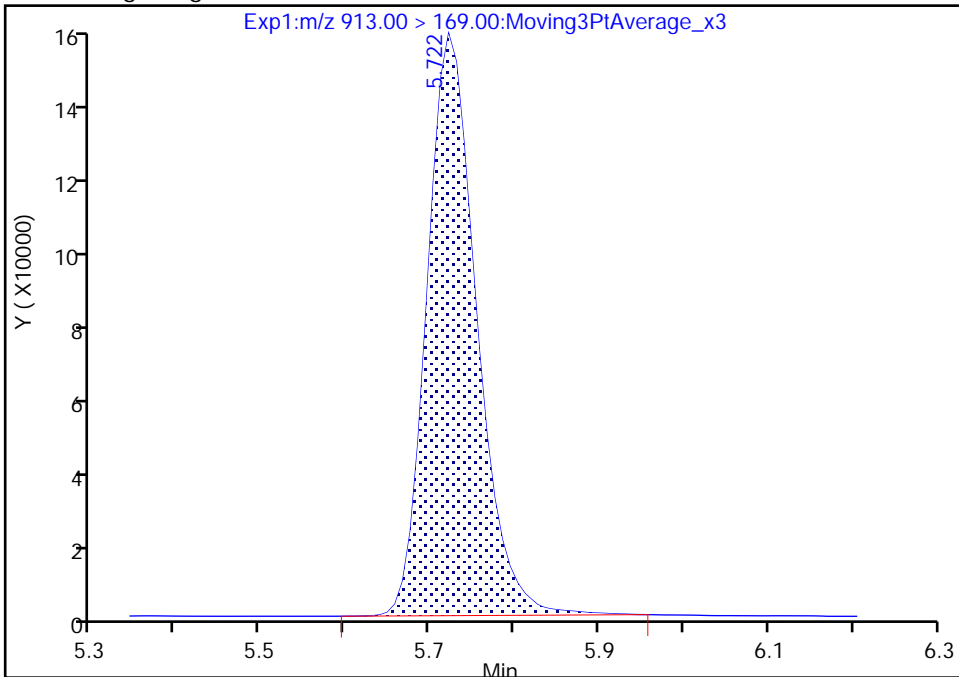
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

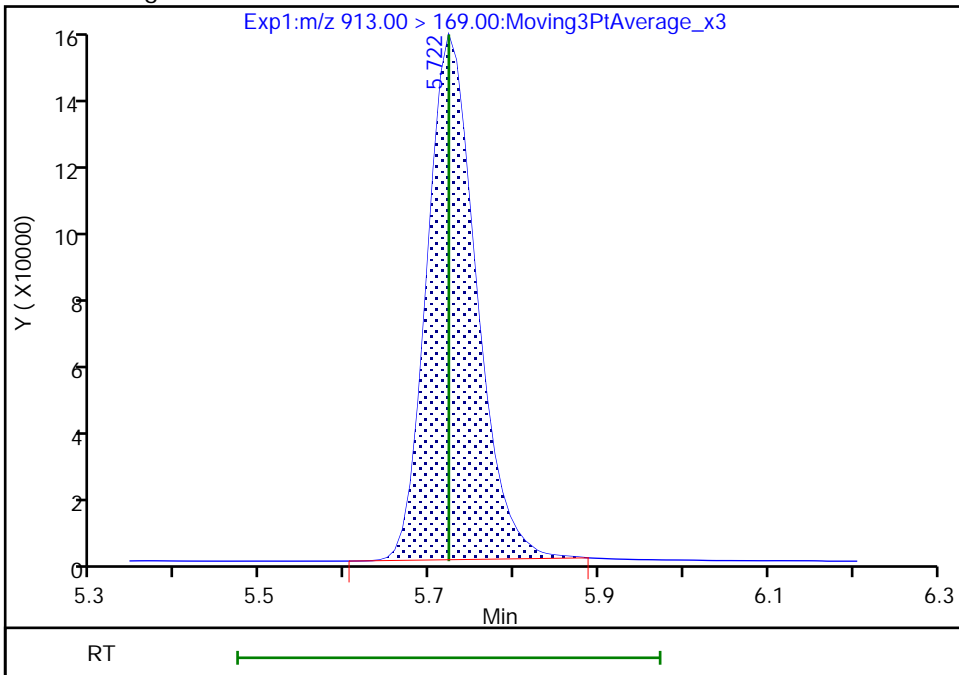
RT: 5.72
Area: 641202
Amount: 2.362565
Amount Units: ng/ml

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

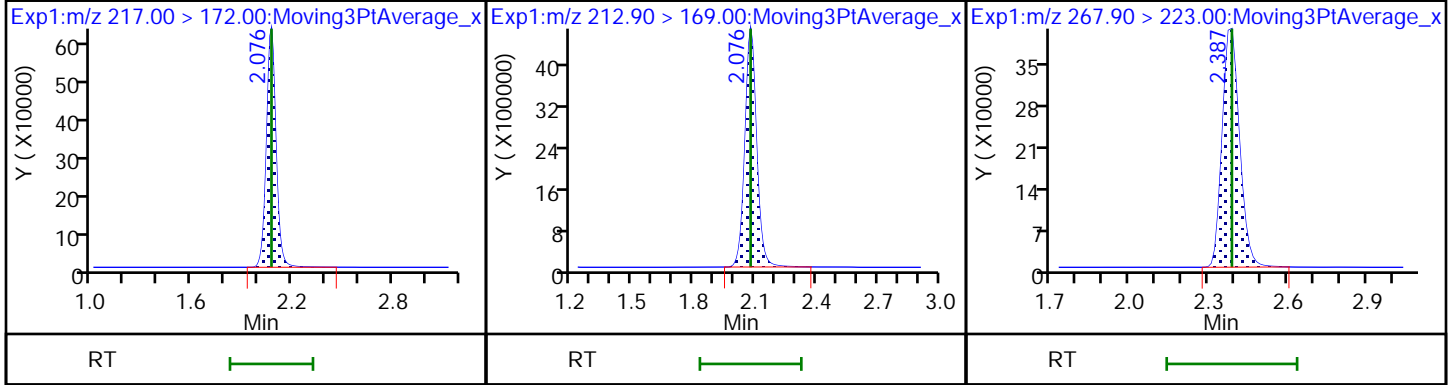
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

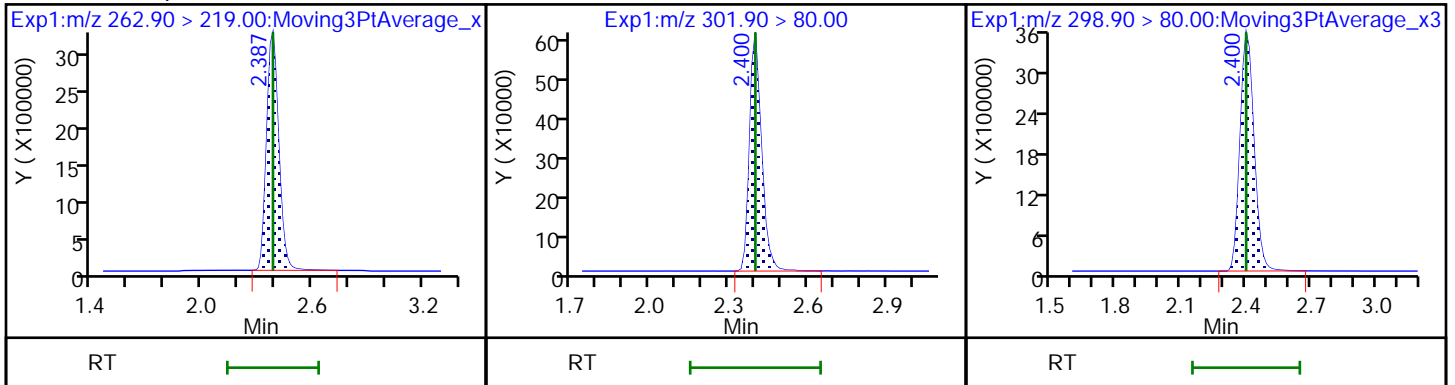
D 3 13C5 PFPeA



4 Perfluoropentanoic acid

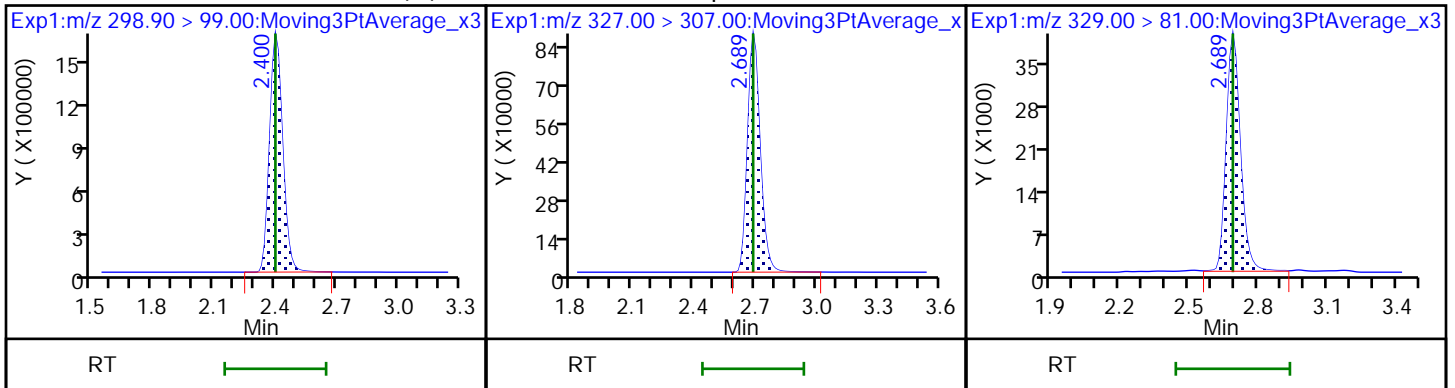
D 47 13C3 PFBS

5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

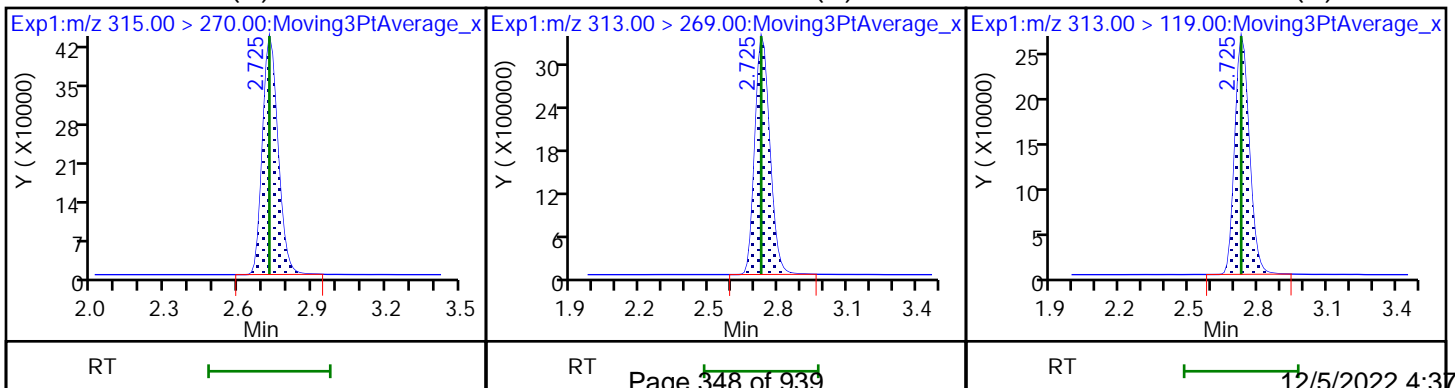
61 1H,1H,2H,2H-perfluorohexanesulfo D 60 M2-4:2 FTS



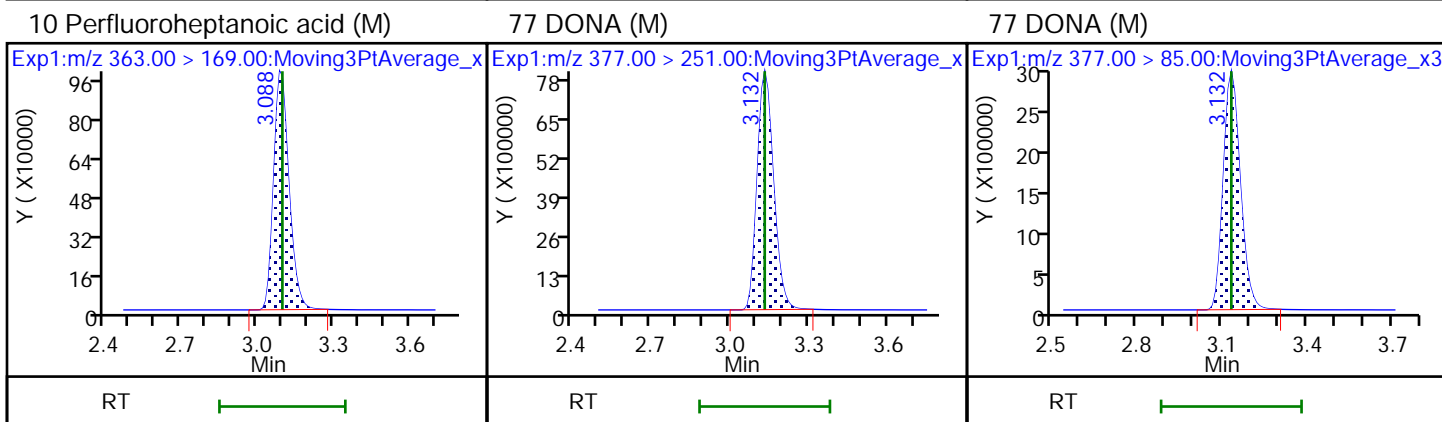
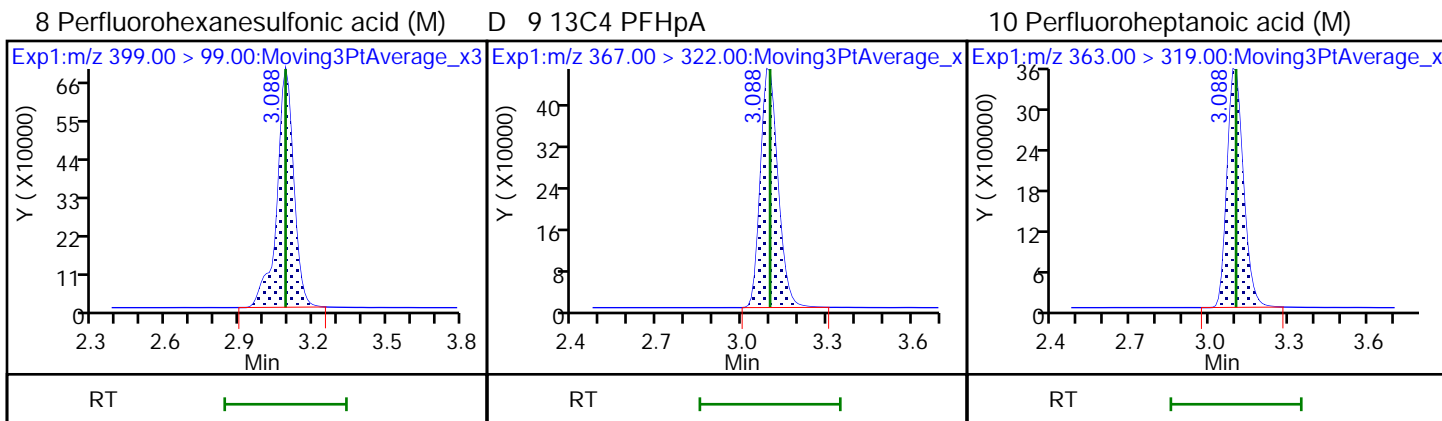
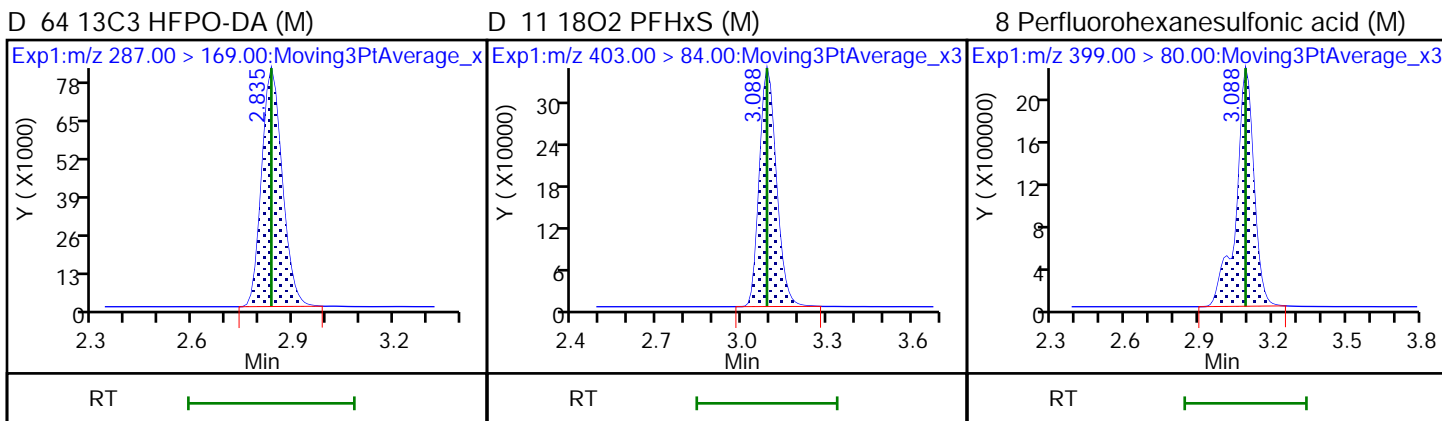
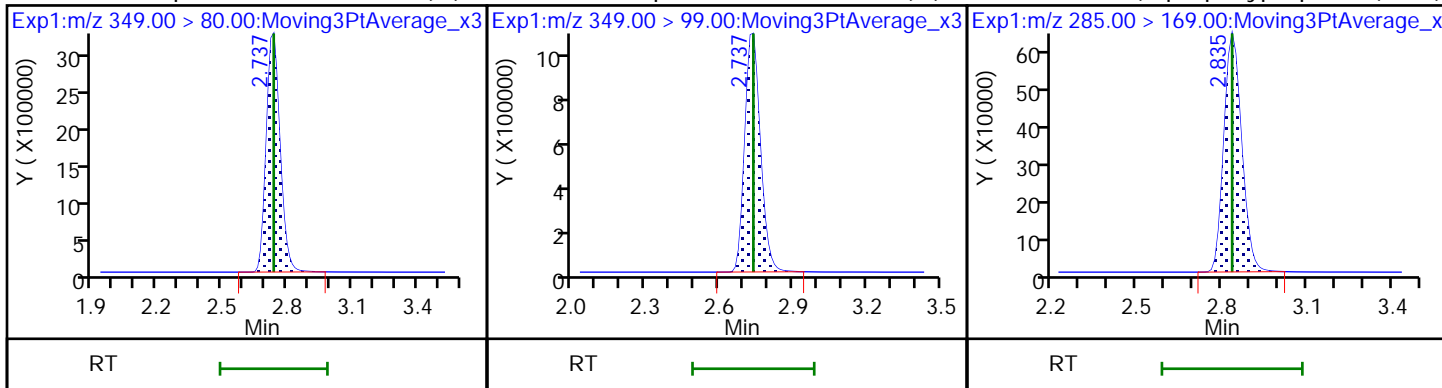
D 7 13C2 PFHxA (M)

6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid (M)

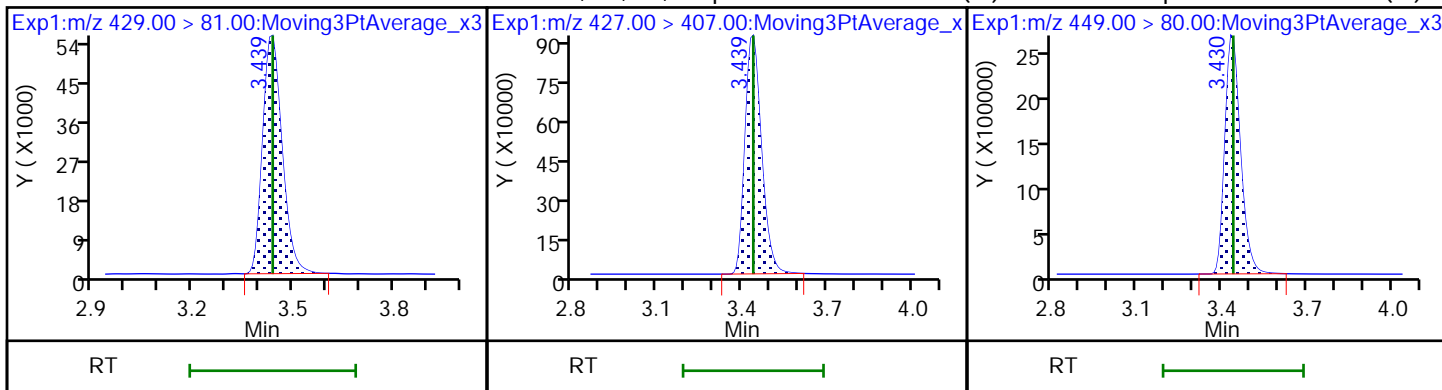


70 Perfluoropentanesulfonic acid (M) 70 Perfluoropentanesulfonic acid (M) 67 Perfluoro(2-propoxypropanoic) ac (M)



D 12 M2-6:2 FTS

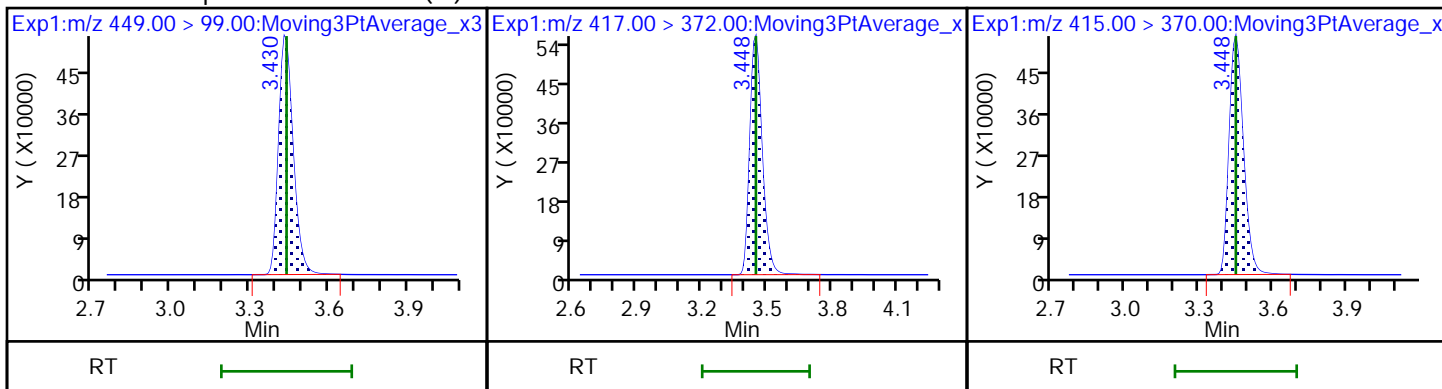
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 6 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

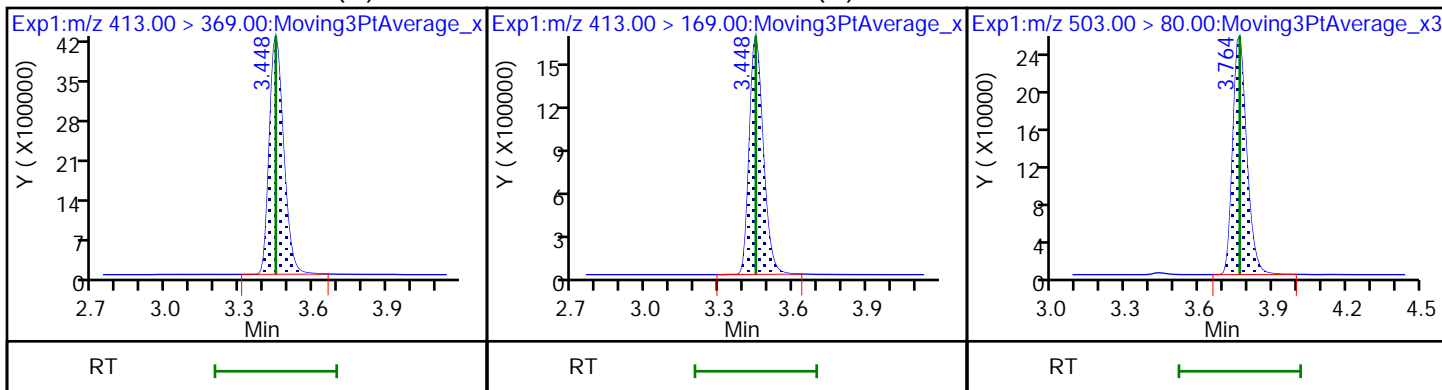
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

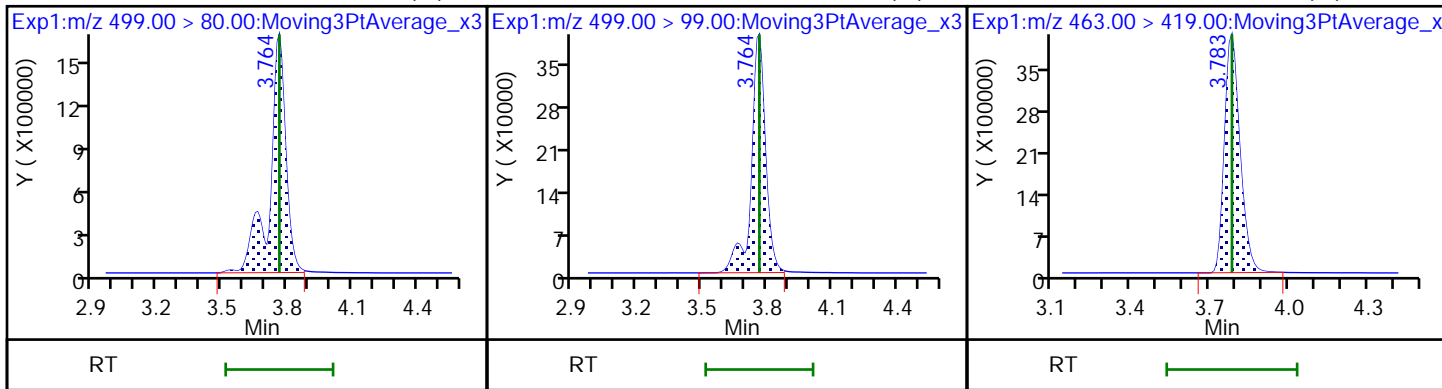
D 18 13C4 PFOS

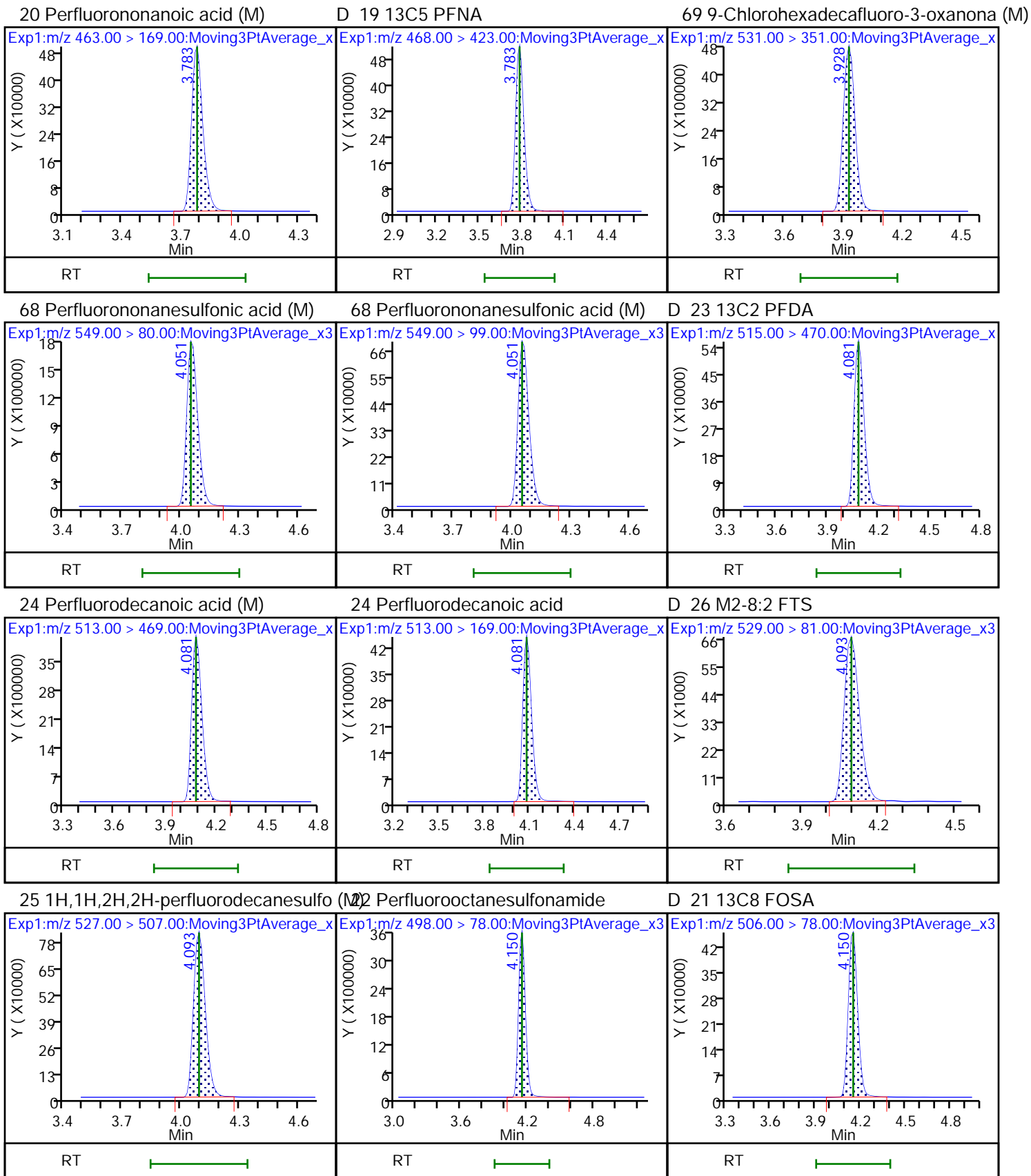


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid (M)

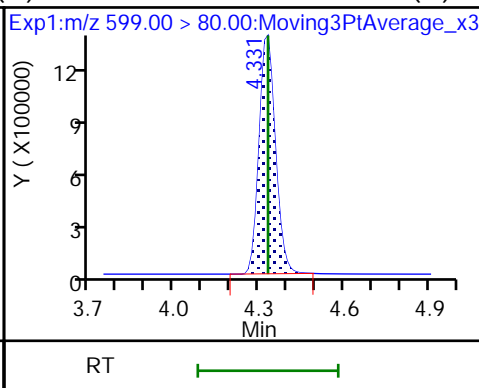
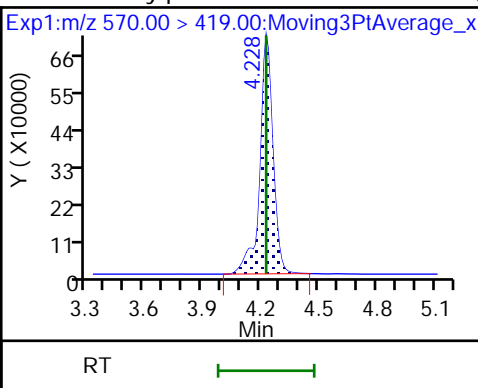
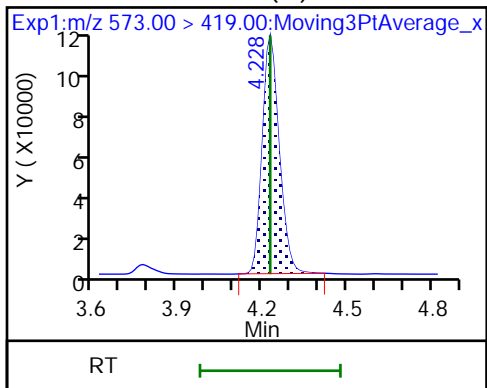




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

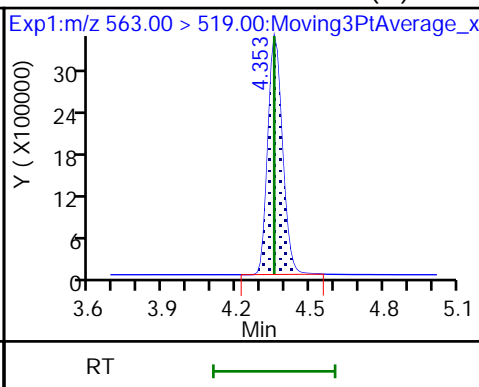
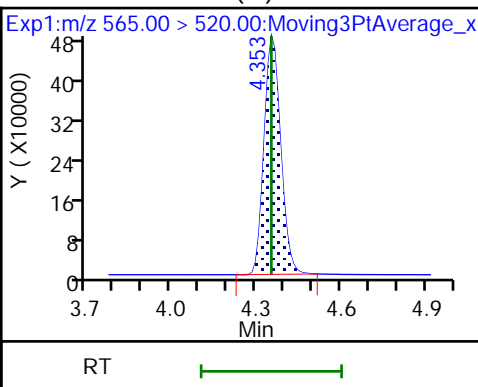
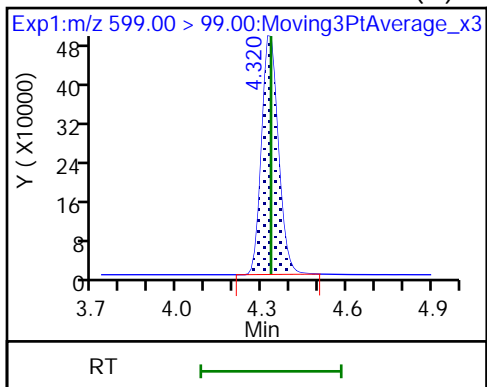
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUnA (M)

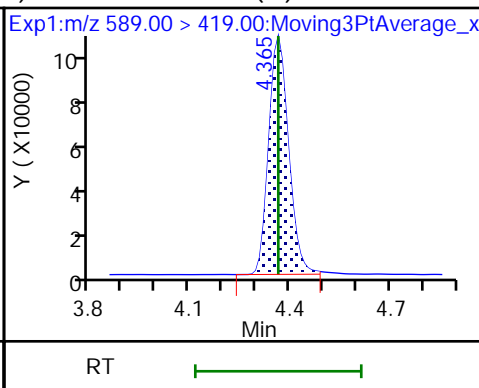
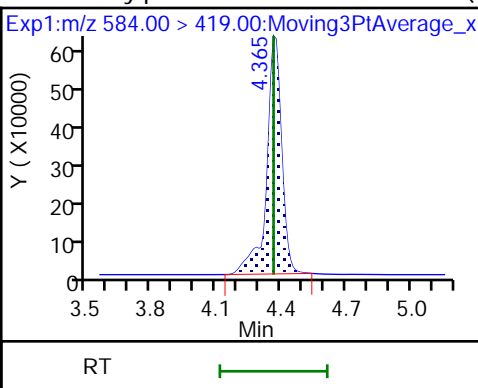
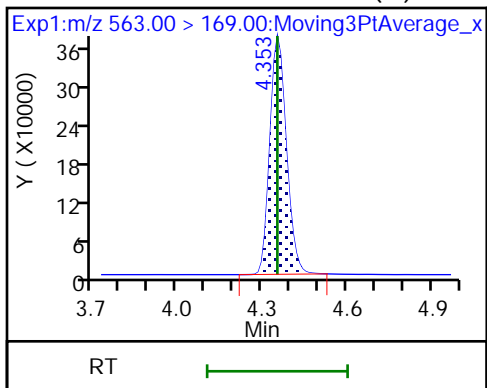
31 Perfluoroundecanoic acid (M)



31 Perfluoroundecanoic acid (M)

33 N-ethylperfluorooctanesulfonamid (M)

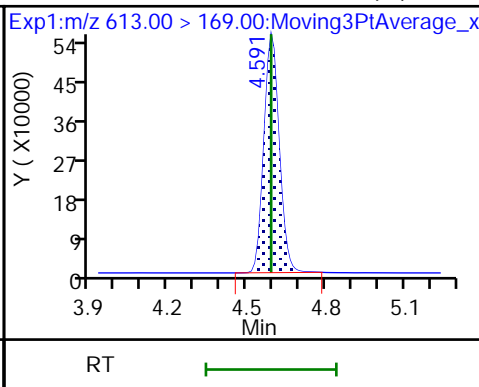
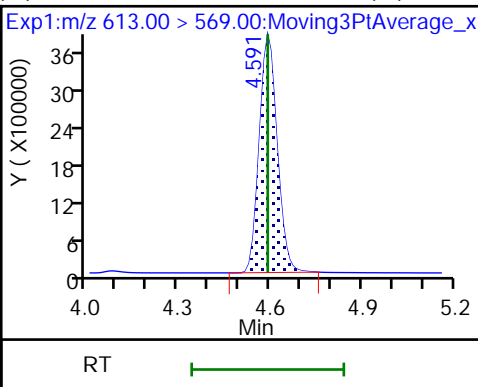
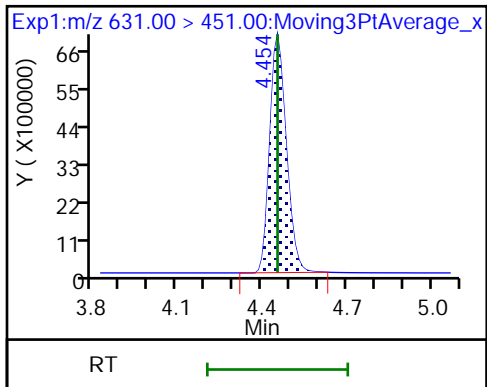
32 d5-NEtFOSAA (M)



66 11-Chloroeicosafuoro-3-oxaundec (M)

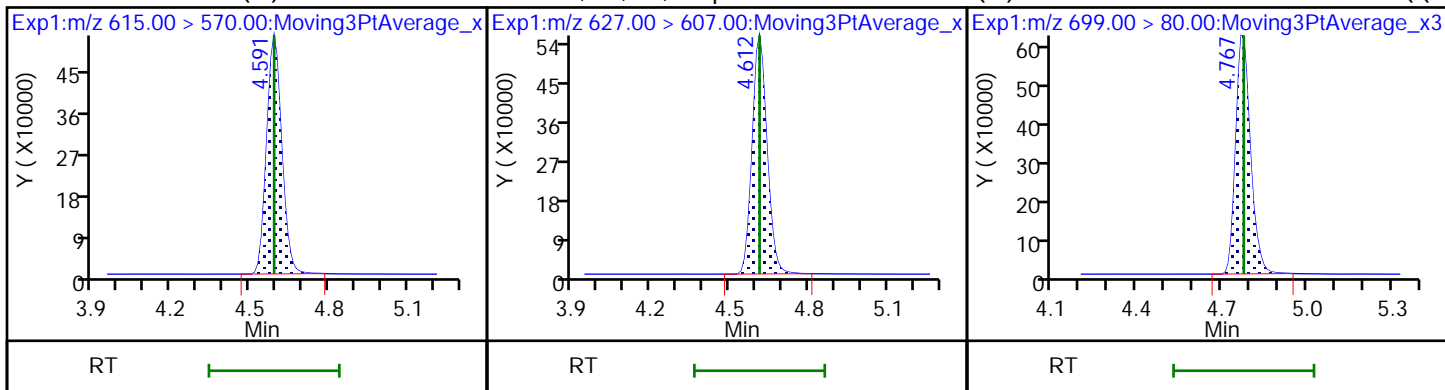
37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid (M)



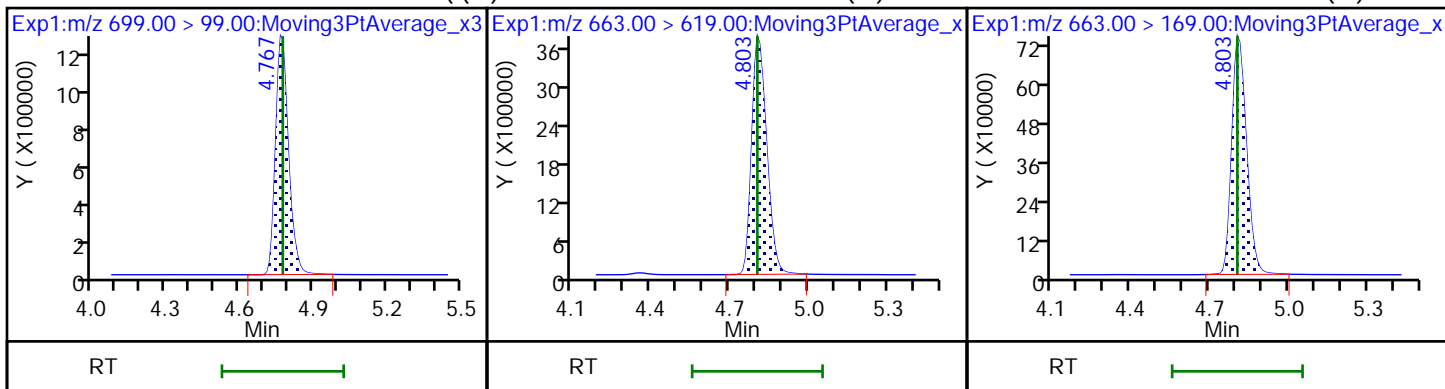
D 36 13C2 PFDa (M)

74 1H,1H,2H,2H-perfluorododecanesul (M) 75 Perfluorododecanesulfonic acid (M)



75 Perfluorododecanesulfonic acid (M) 41 Perfluorotridecanoic acid (M)

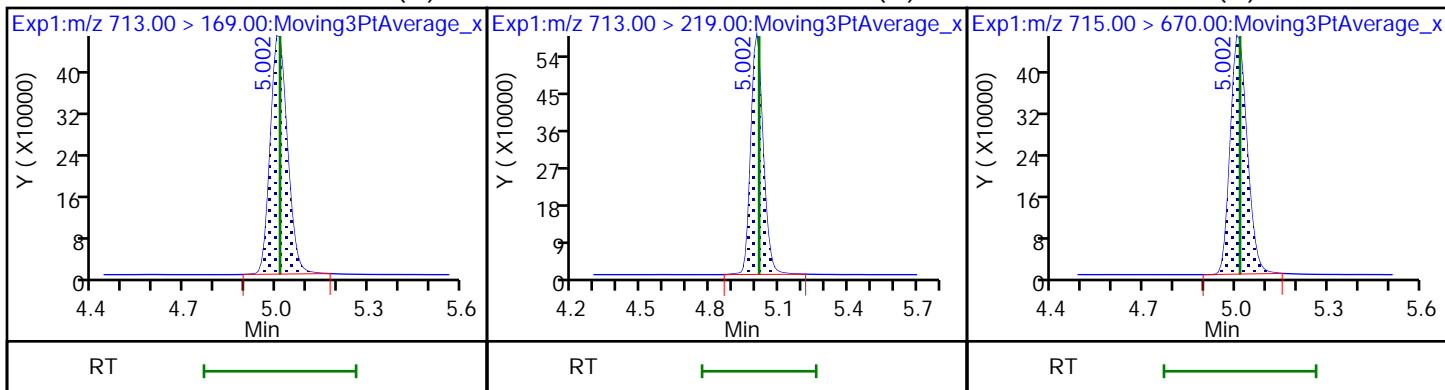
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

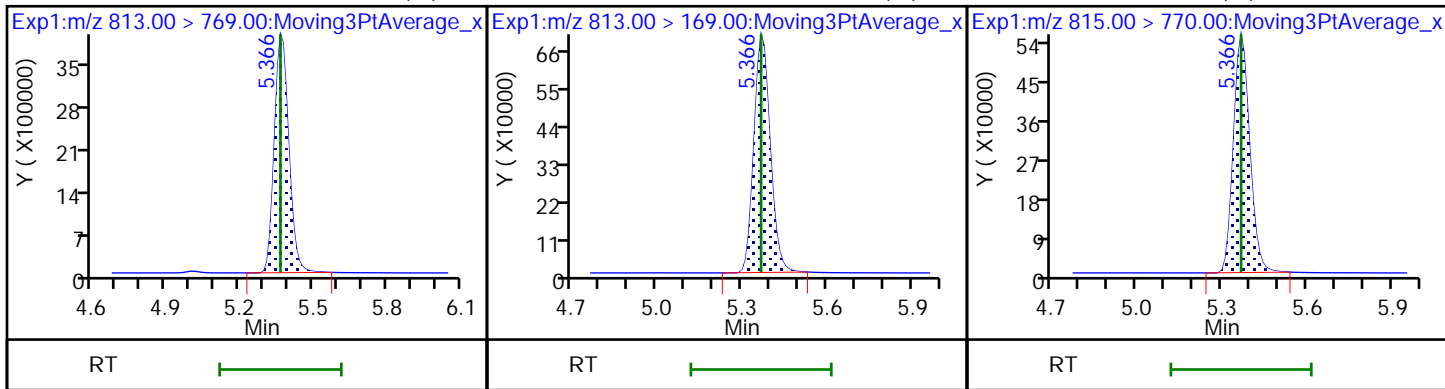
D 43 13C2 PFTeDA (M)



45 Perfluorohexadecanoic acid (M)

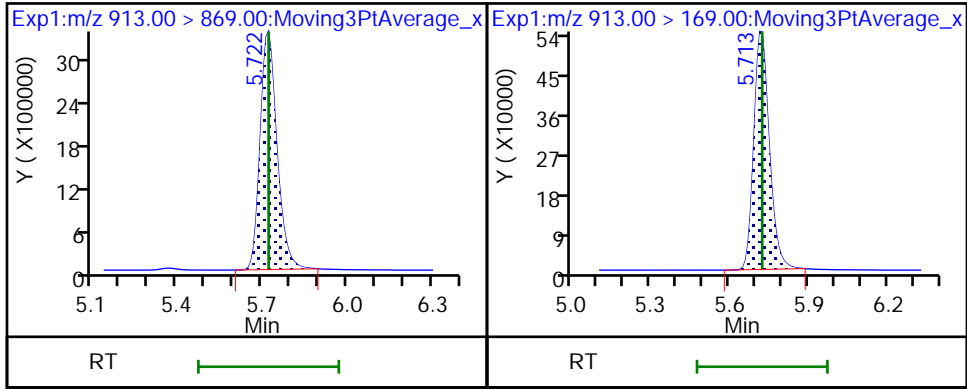
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA (M)



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

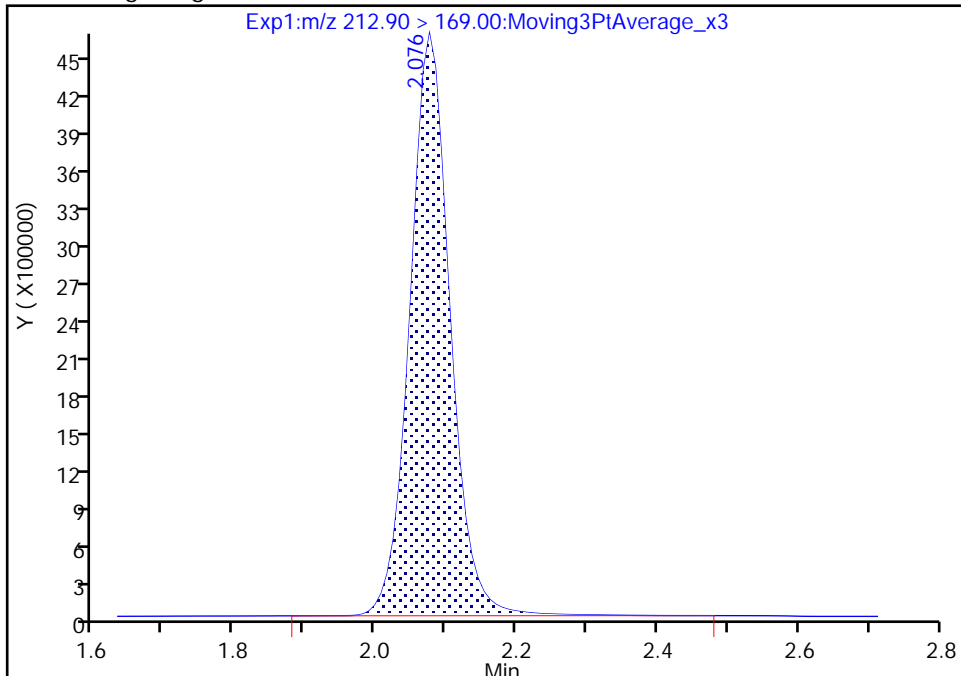
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

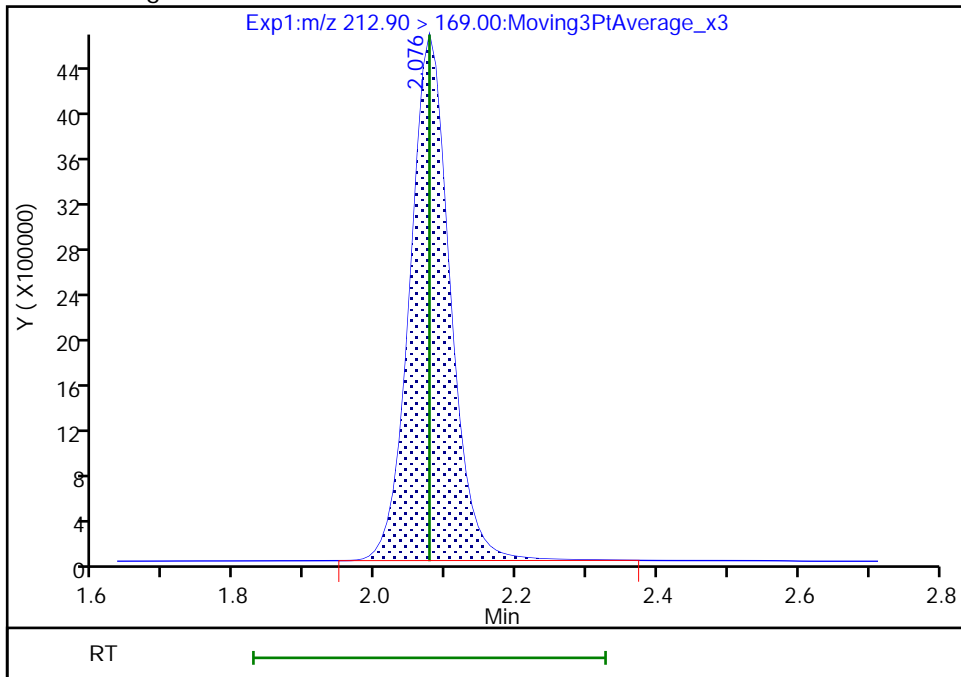
RT: 2.08
Area: 18330073
Amount: 9.001467
Amount Units: ng/ml

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

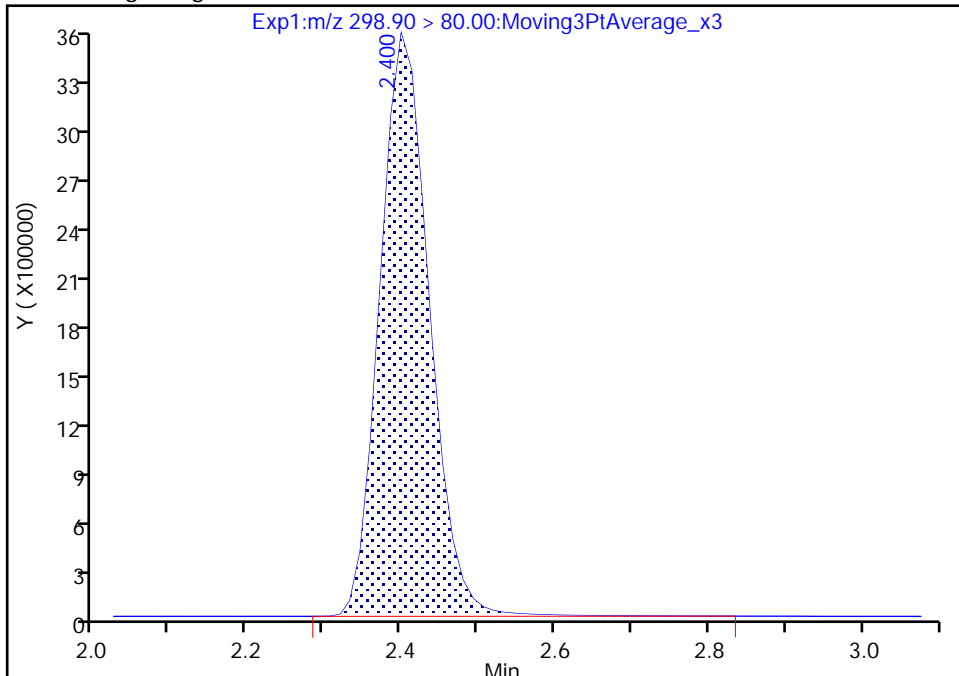
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

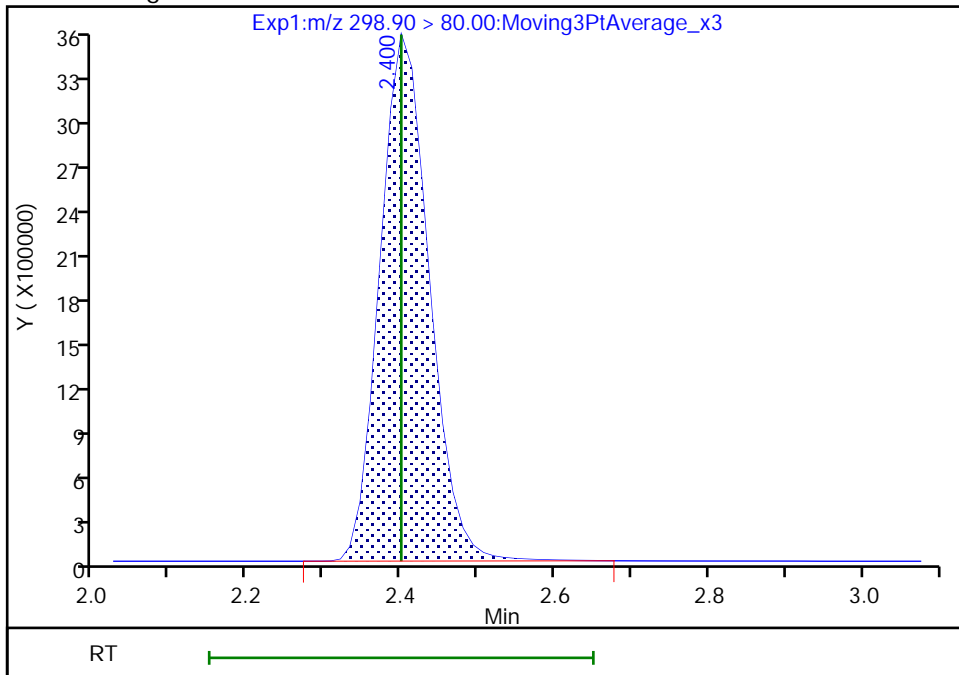
RT: 2.40
Area: 15798970
Amount: 8.357707
Amount Units: ng/ml

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

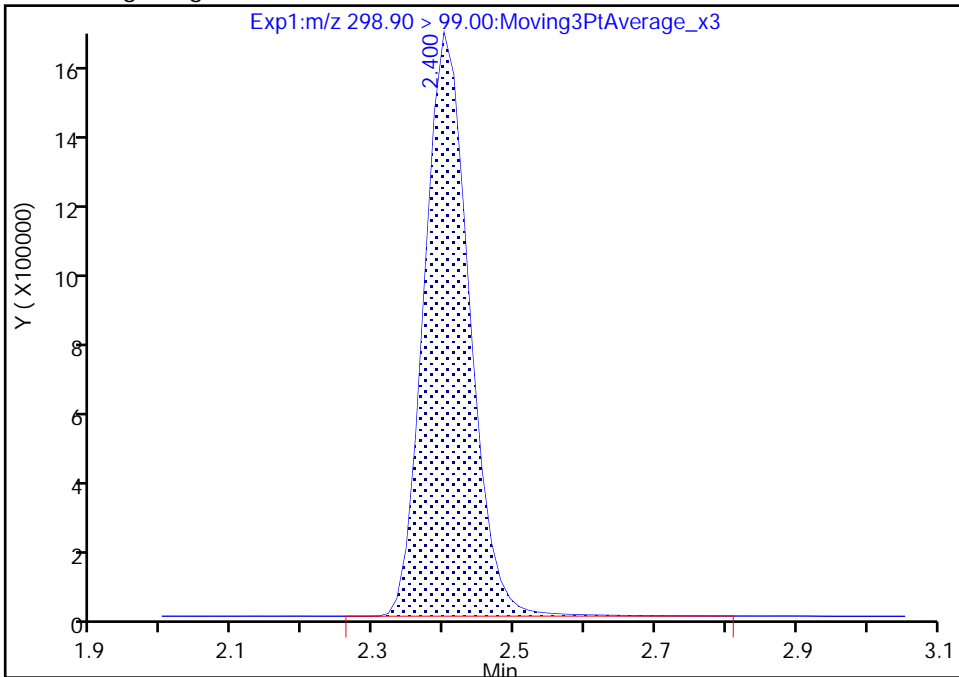
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

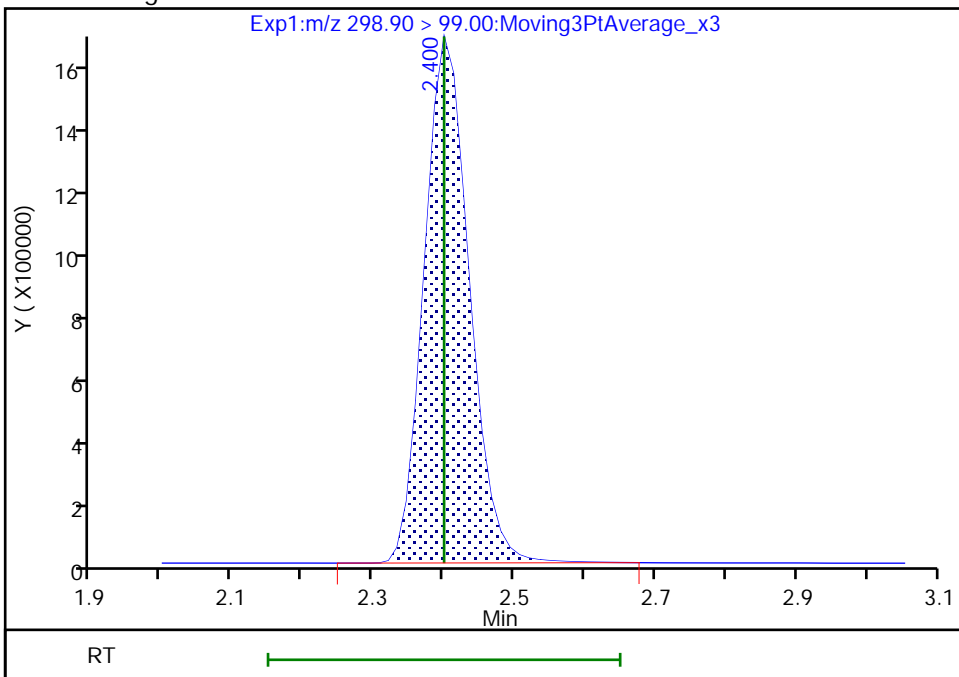
RT: 2.40
Area: 7478716
Amount: 8.357707
Amount Units: ng/ml

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

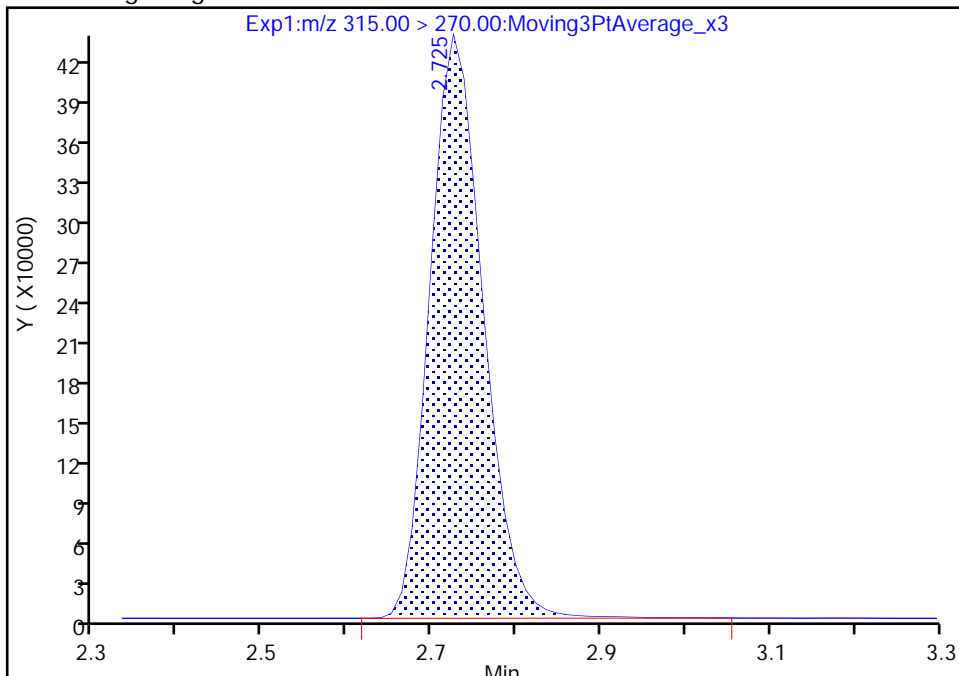
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 7 13C2 PFHxA, CAS: STL00993

Signal: 1

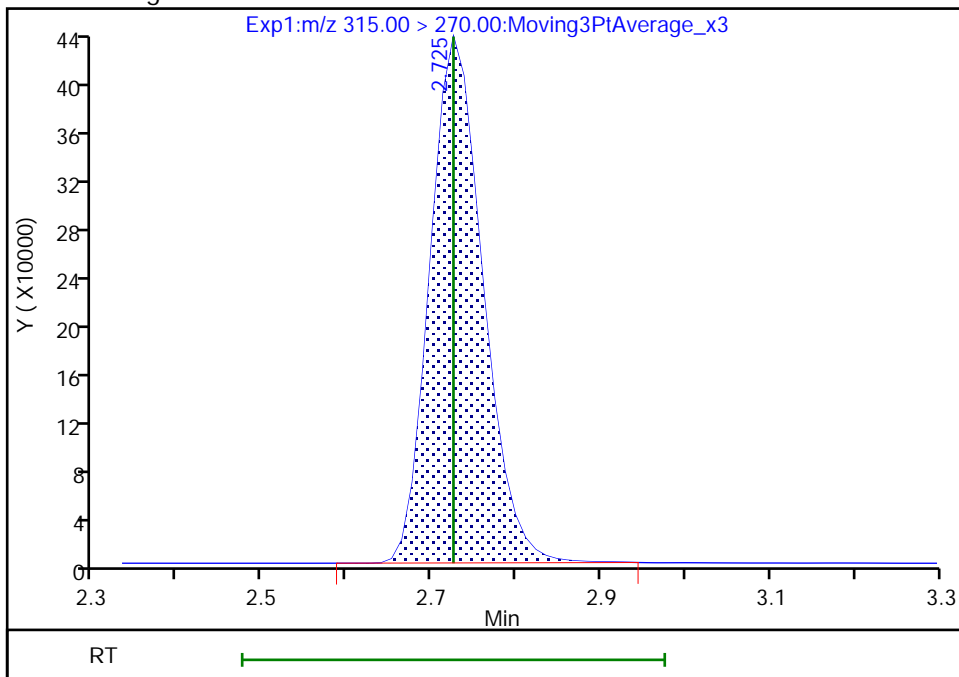
RT: 2.73
Area: 1911172
Amount: 1.275554
Amount Units: ng/ml

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

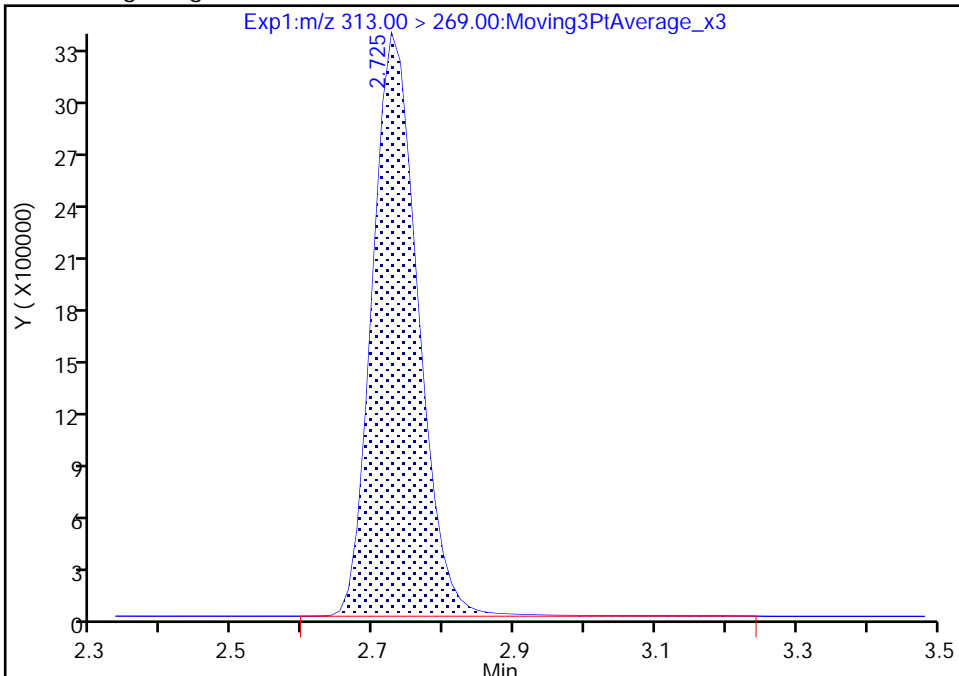
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

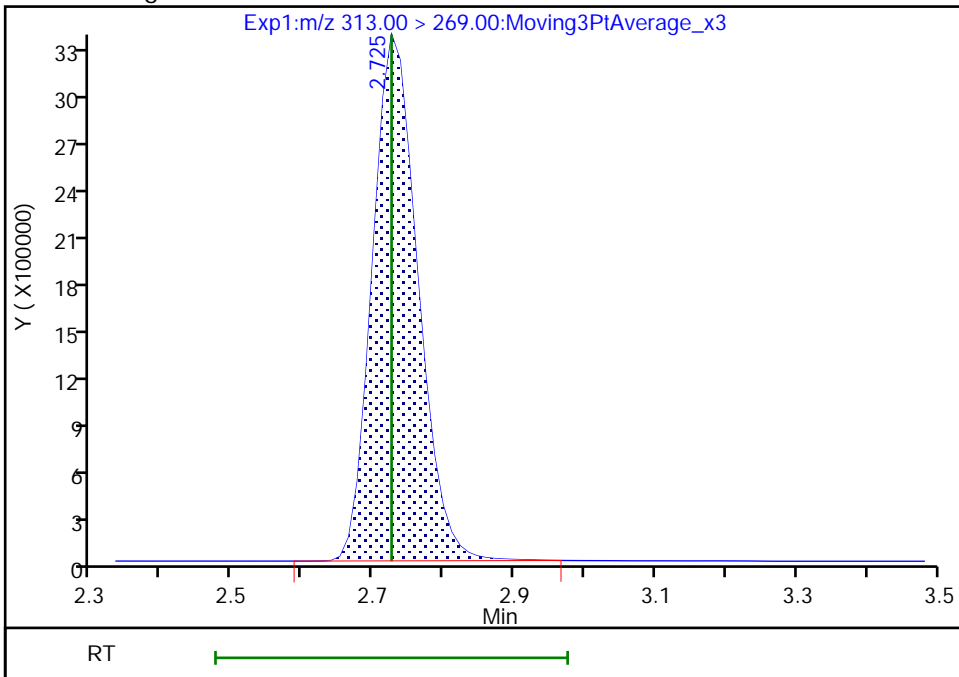
RT: 2.73
Area: 15003210
Amount: 9.027111
Amount Units: ng/ml

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

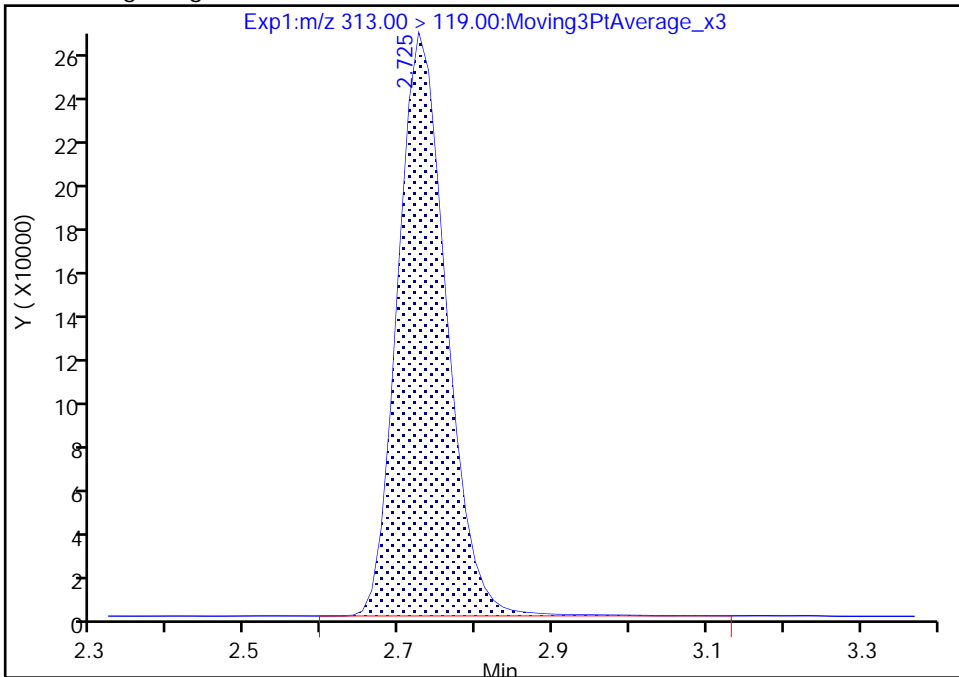
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

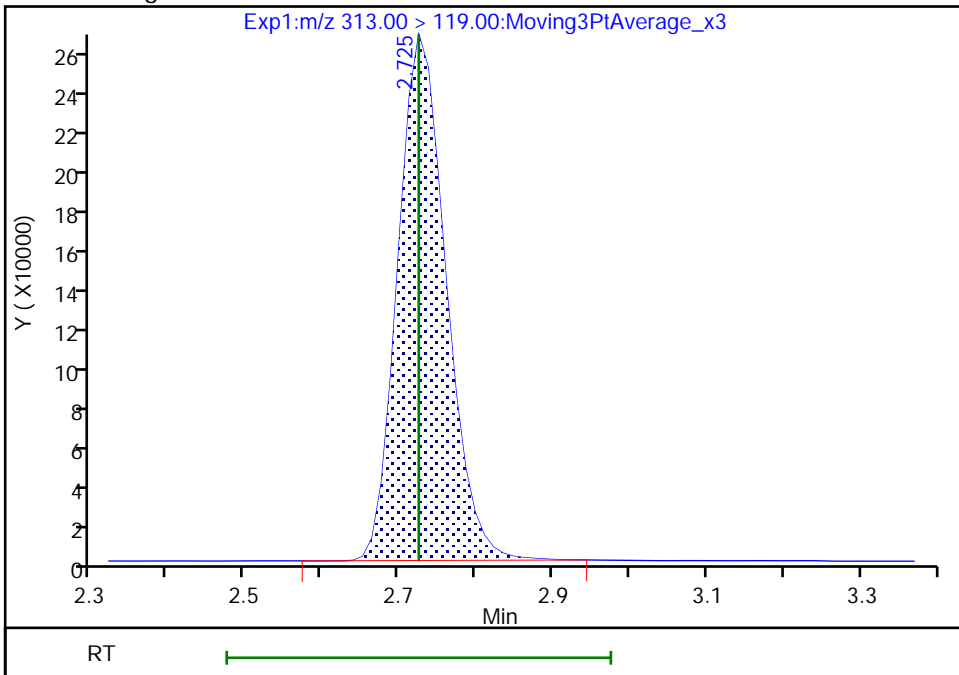
RT: 2.73
Area: 1145989
Amount: 9.027111
Amount Units: ng/ml

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

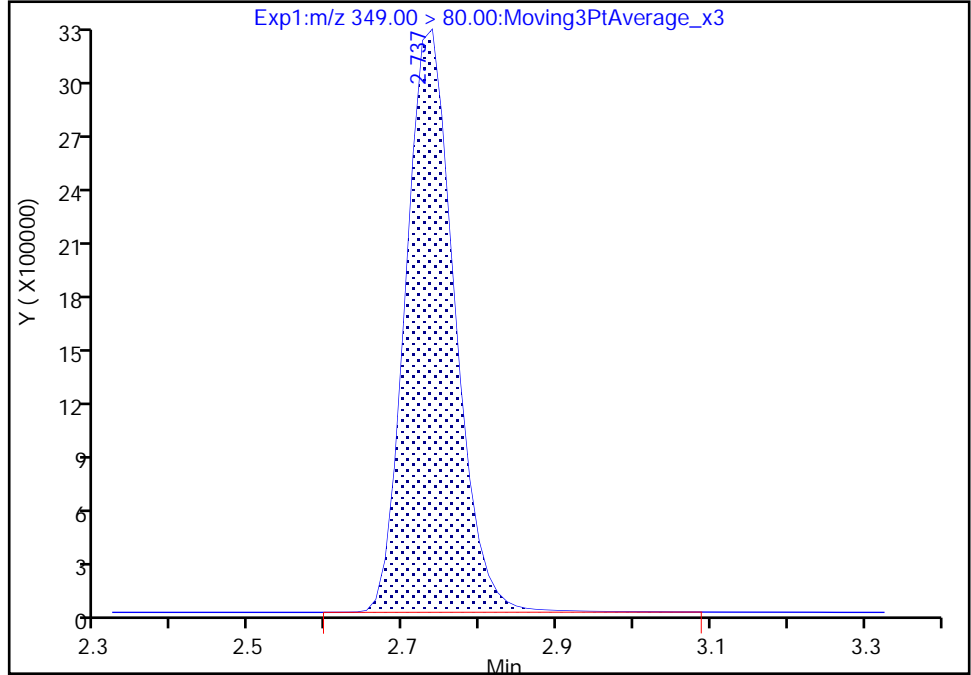
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

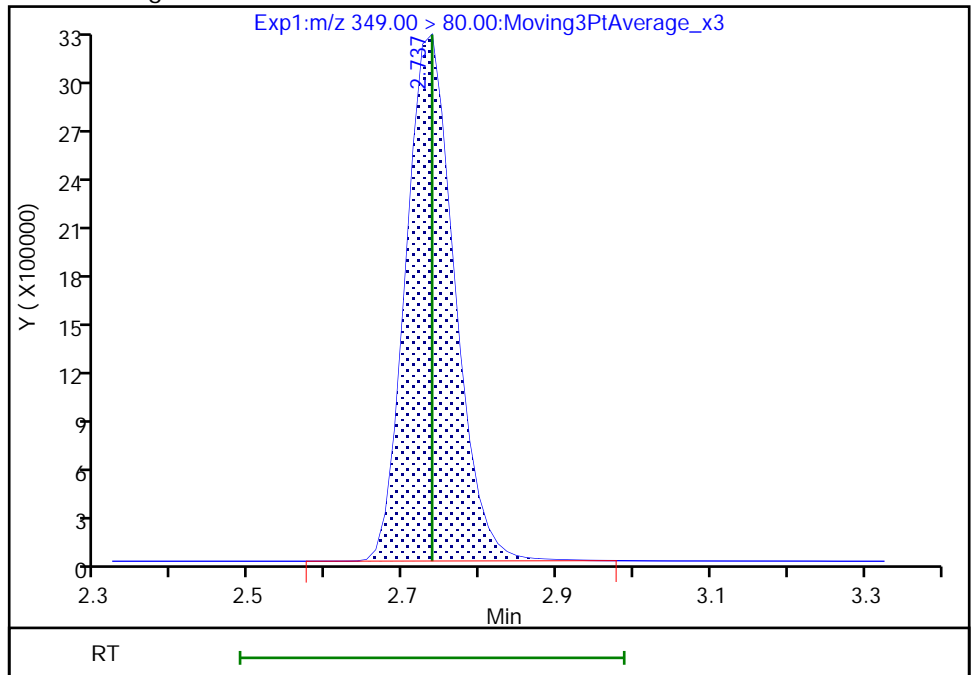
RT: 2.74
Area: 14186111
Amount: 8.840241
Amount Units: ng/ml

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

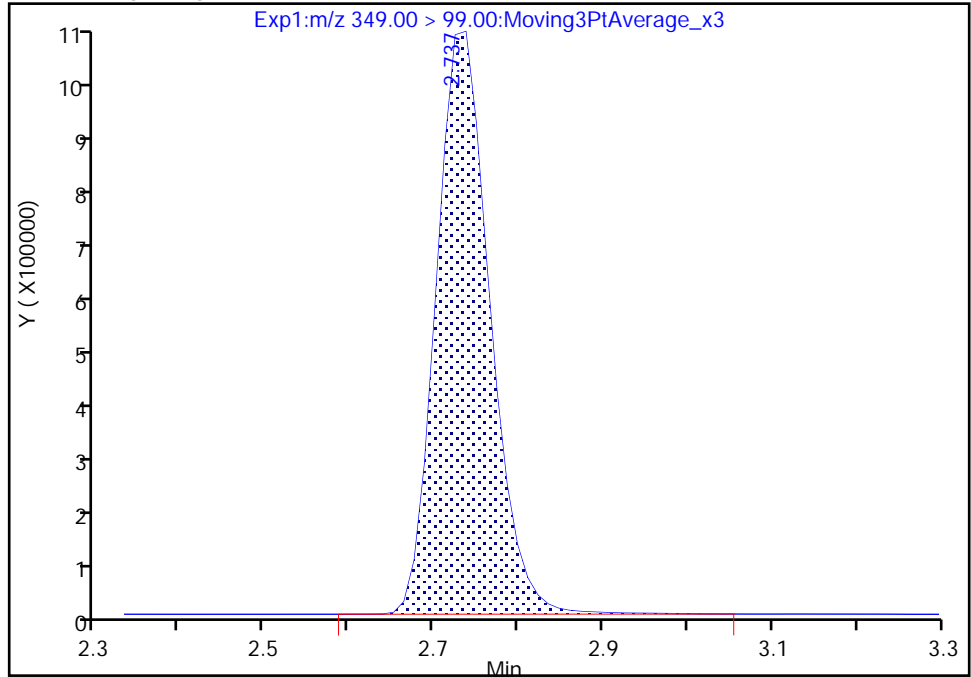
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 2

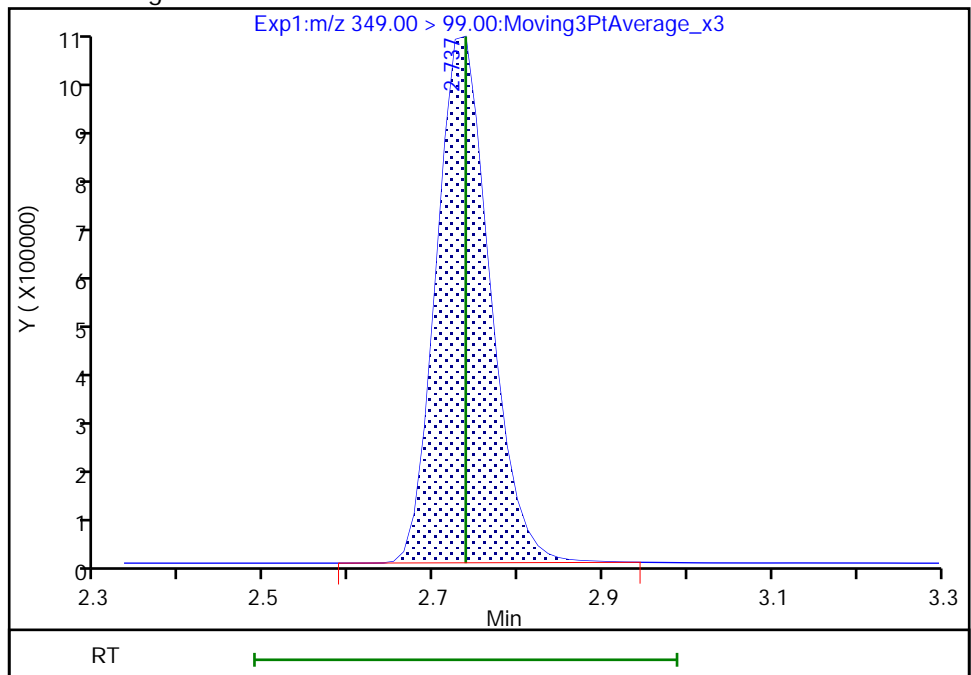
RT: 2.74
Area: 4717898
Amount: 8.840241
Amount Units: ng/ml

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

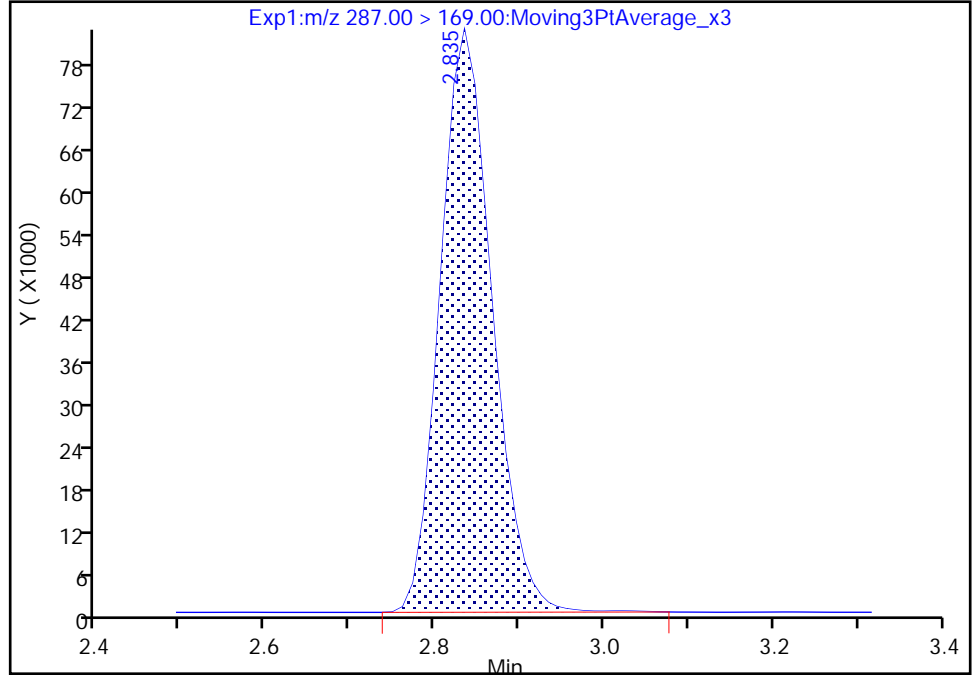
Eurofins Burlington

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

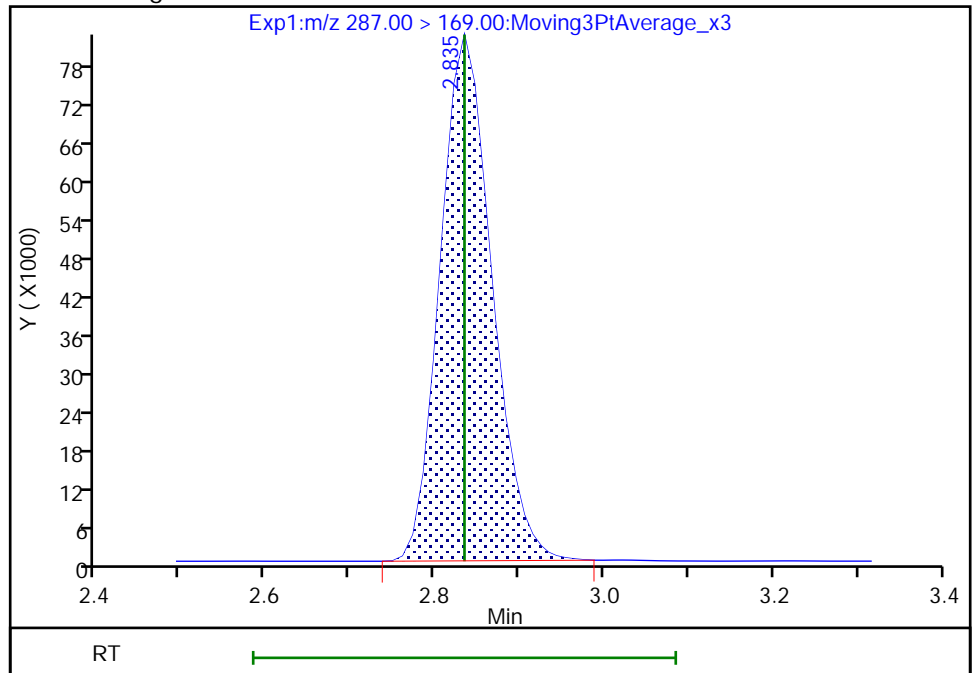
RT: 2.83
Area: 350493
Amount: 1.325043
Amount Units: ng/ml

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

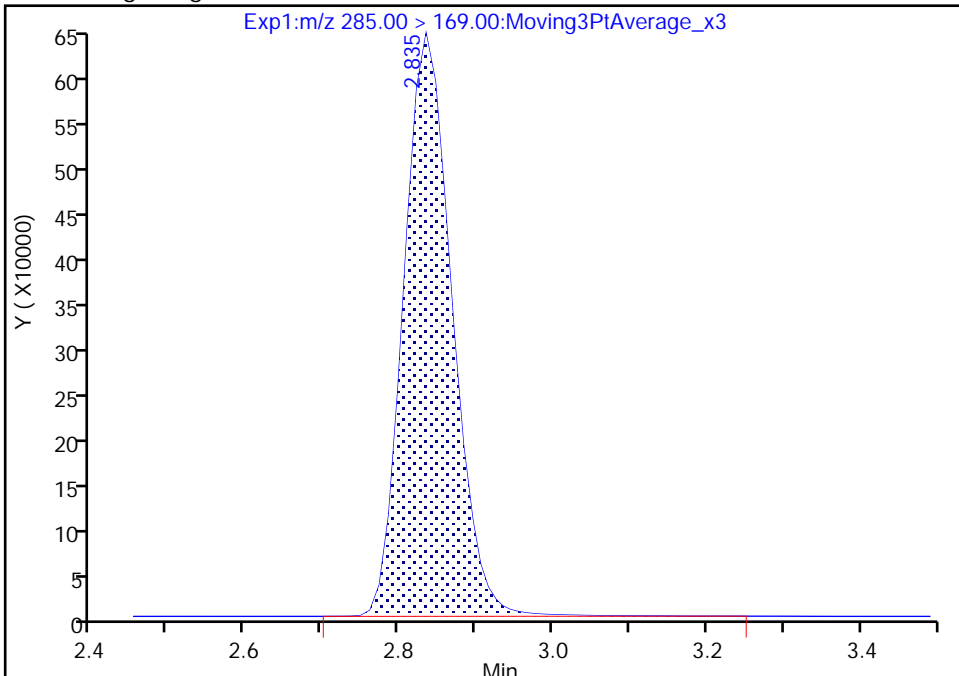
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

67 Perfluoro(2-propoxypropanoic) ac, CAS: 13252-13-6

Signal: 1

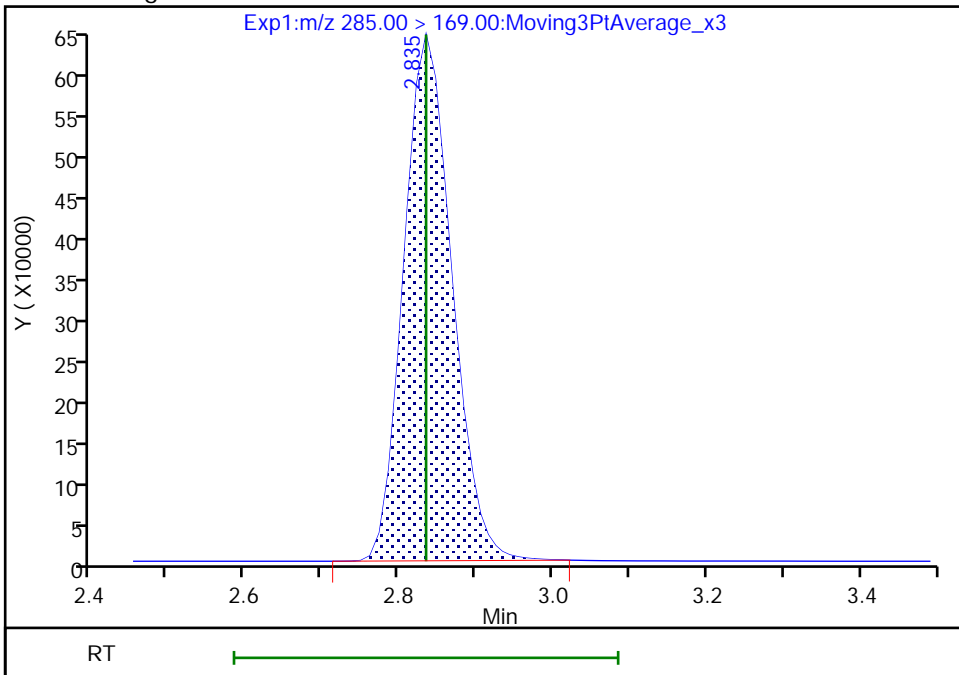
RT: 2.83
Area: 2806230
Amount: 9.475934
Amount Units: ng/ml

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

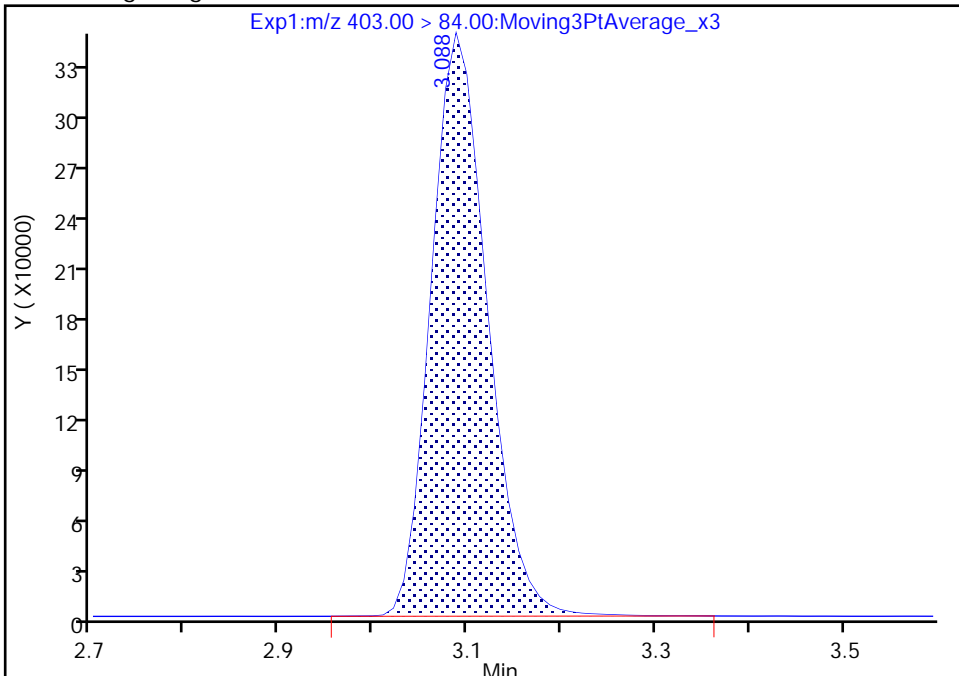
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 11 18O2 PFHxS, CAS: STL00994

Signal: 1

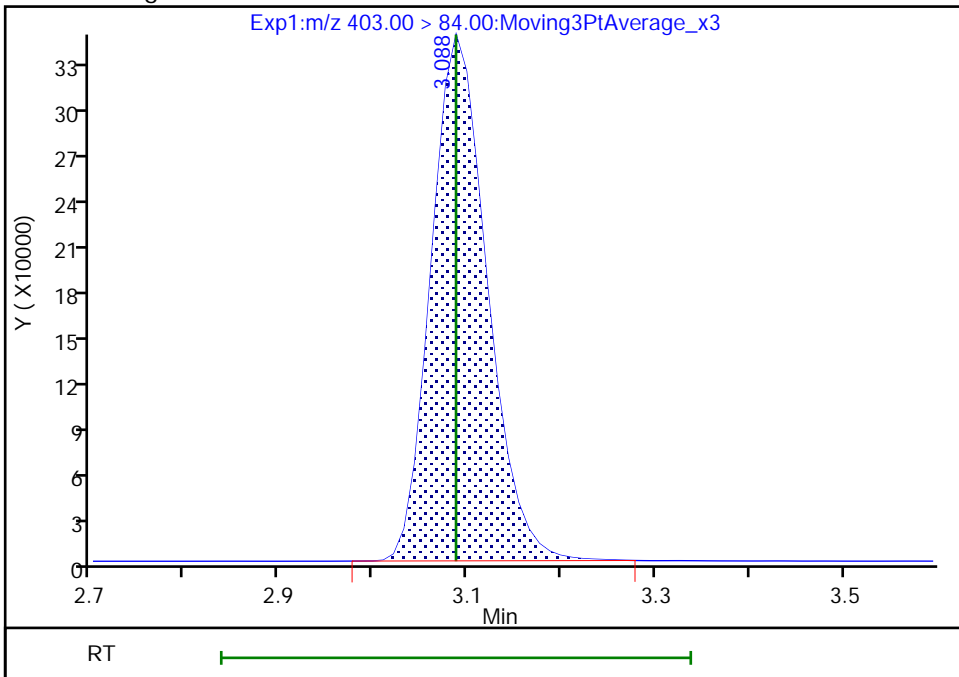
RT: 3.09
Area: 1421016
Amount: 1.255570
Amount Units: ng/ml

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

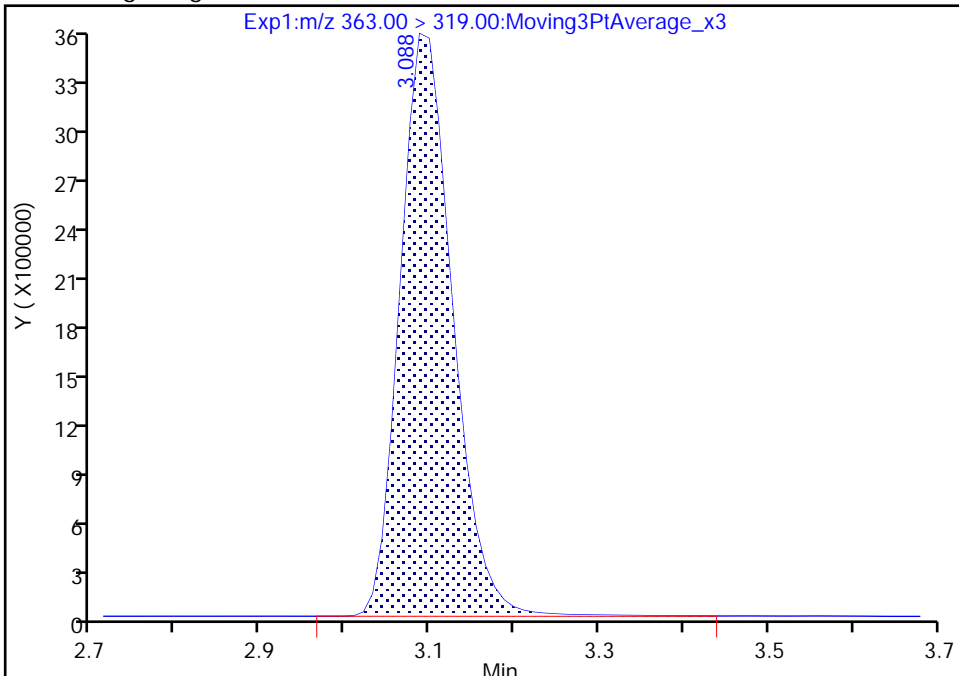
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

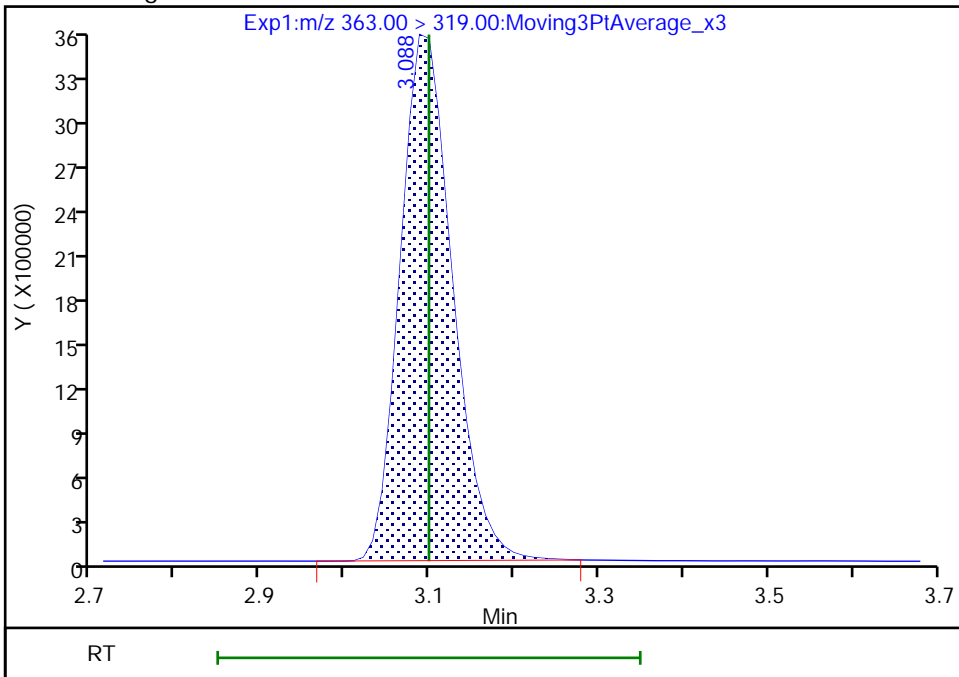
RT: 3.09
Area: 15507574
Amount: 9.027672
Amount Units: ng/ml

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

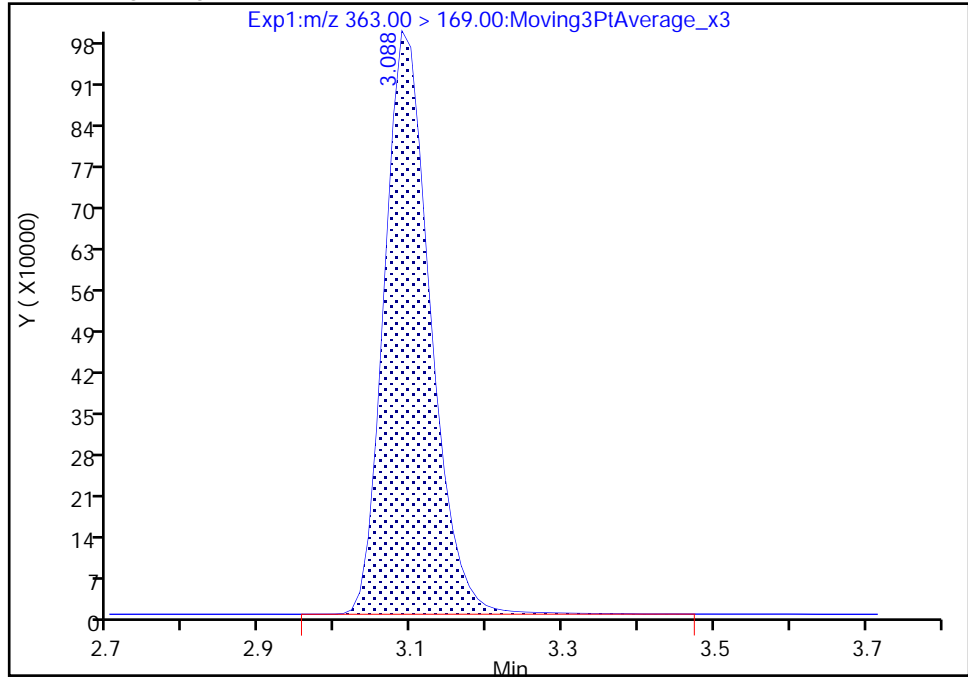
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

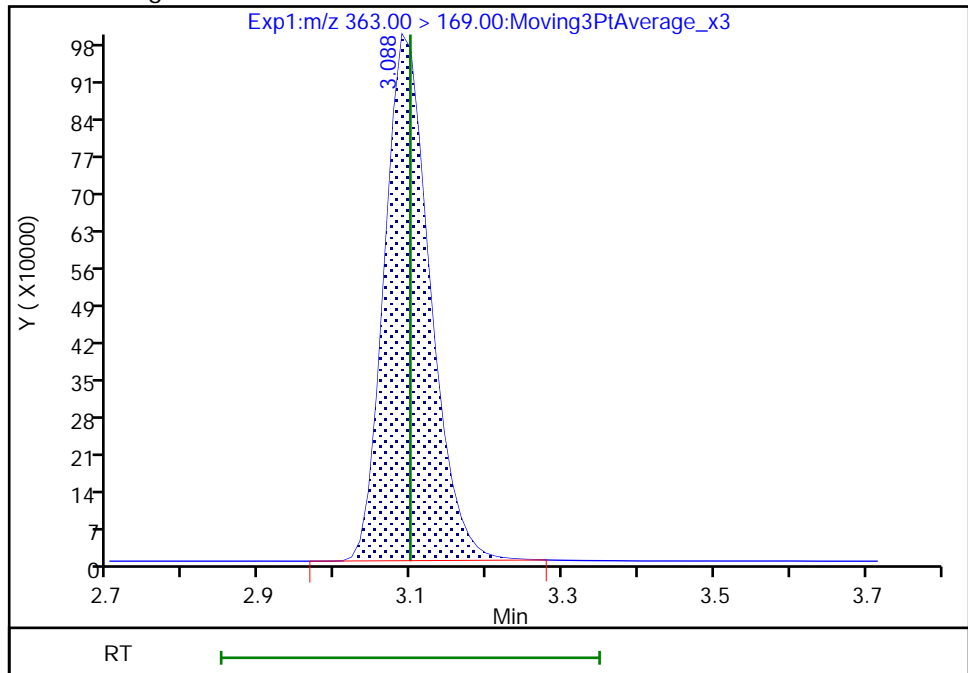
RT: 3.09
Area: 4165412
Amount: 9.027672
Amount Units: ng/ml

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

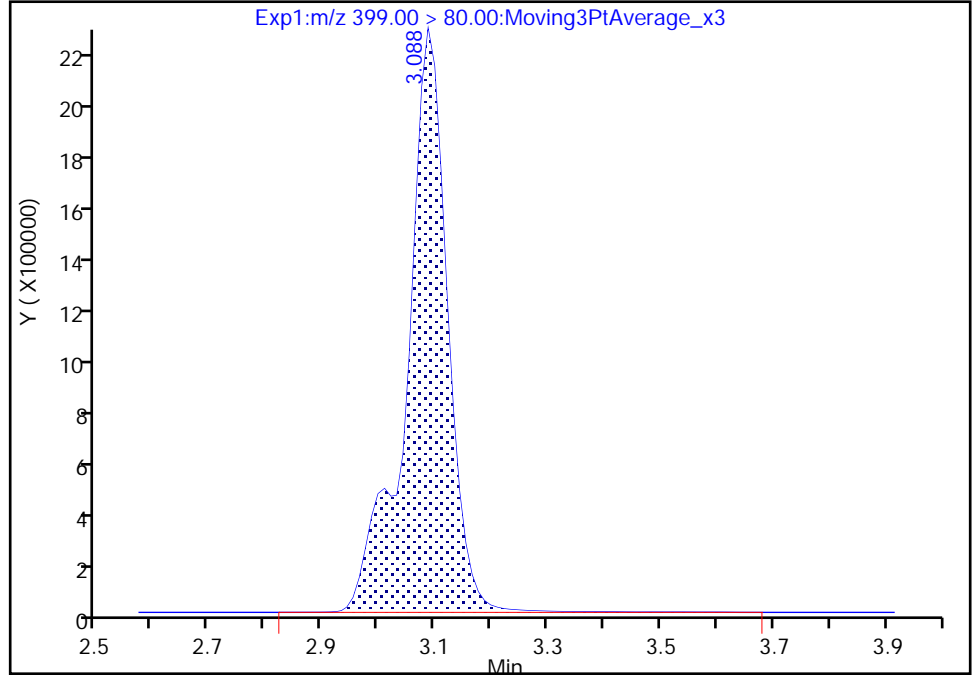
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

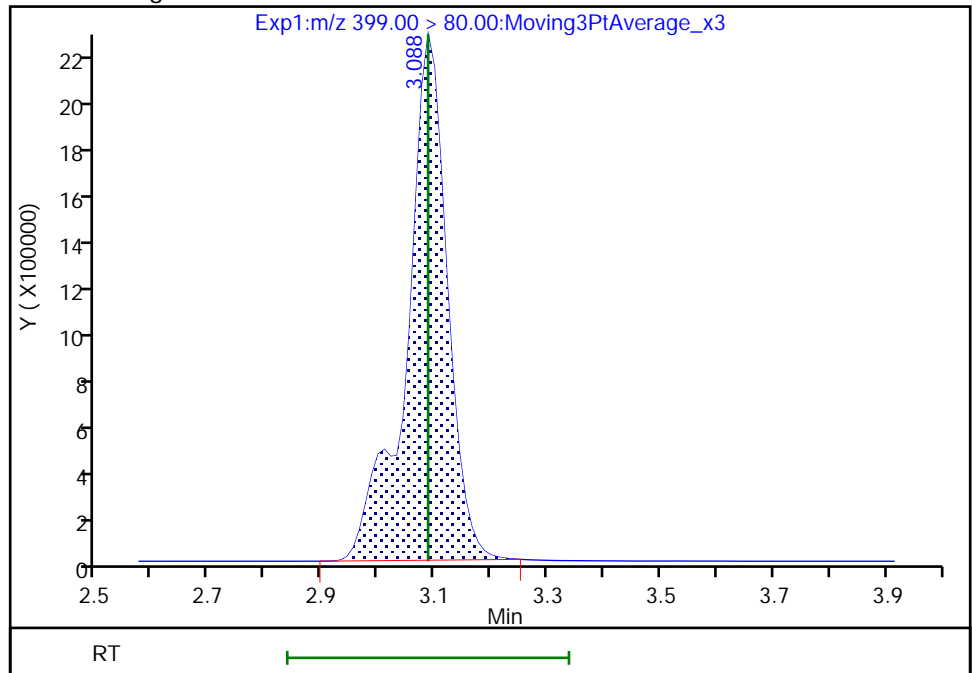
RT: 3.09
Area: 11572919
Amount: 8.540763
Amount Units: ng/ml

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

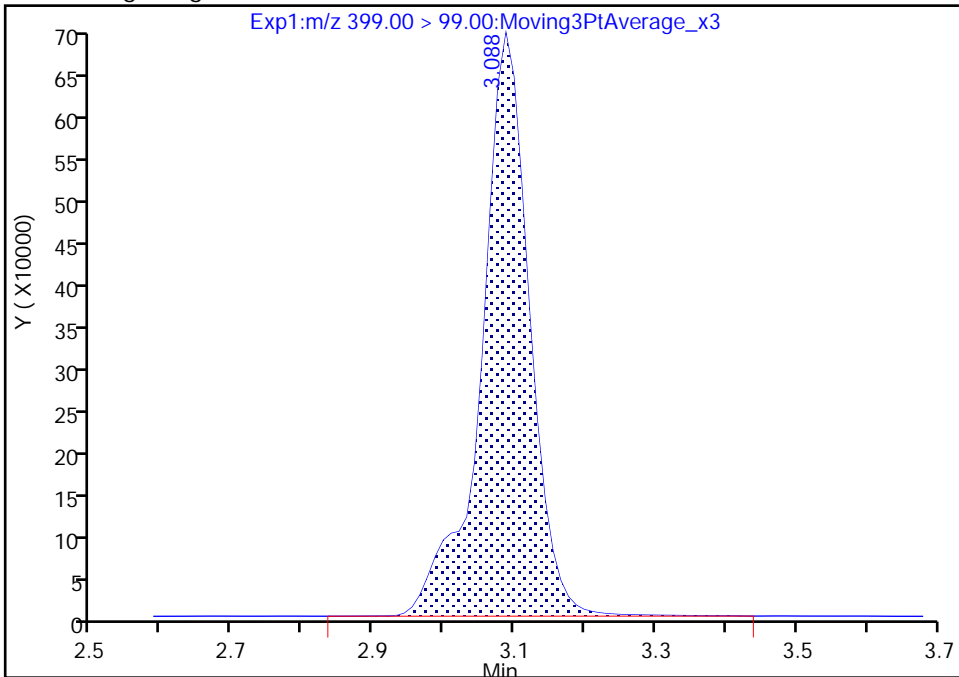
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

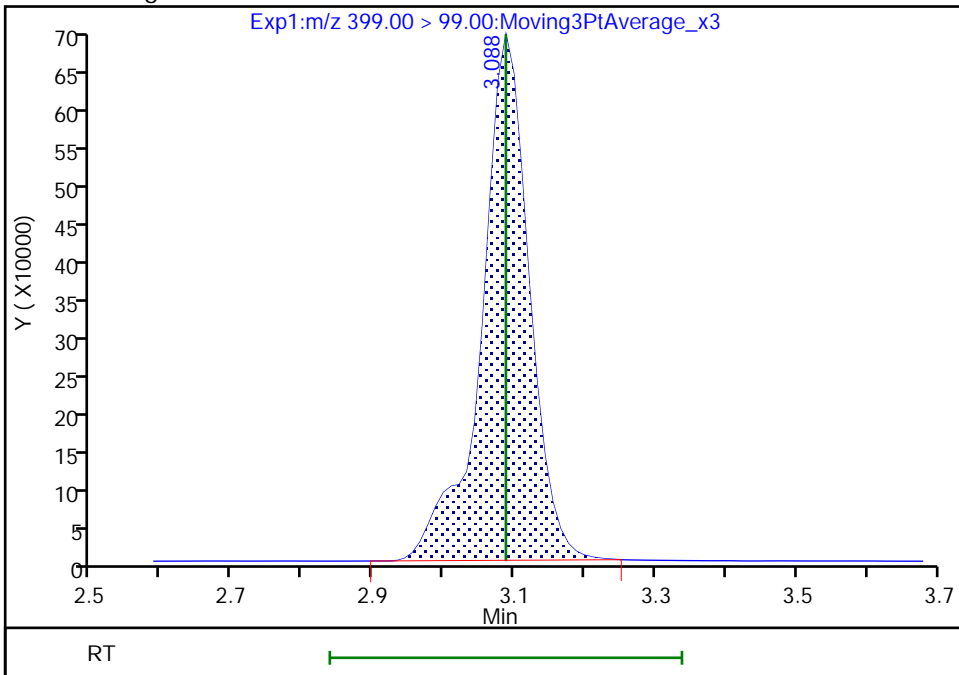
RT: 3.09
Area: 3294366
Amount: 8.540763
Amount Units: ng/ml

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

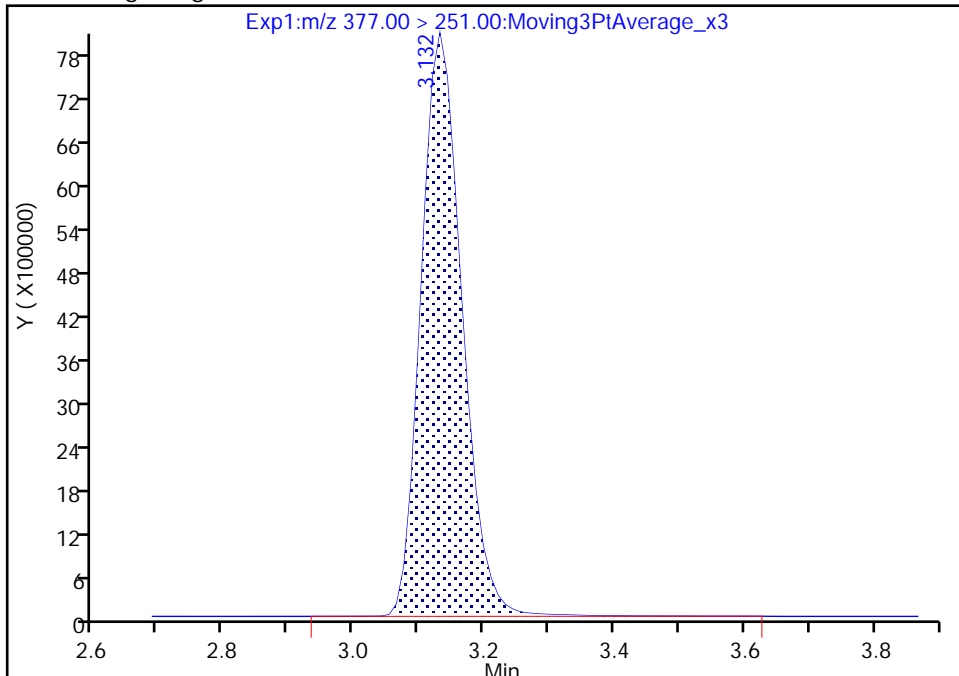
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 1

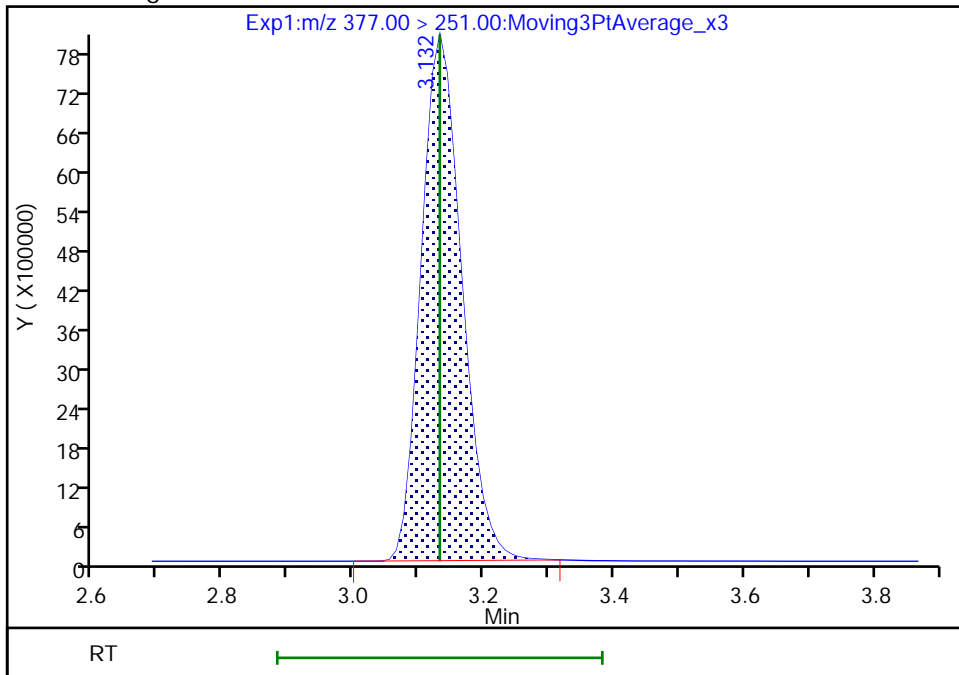
RT: 3.13
Area: 35196938
Amount: 7.677645
Amount Units: ng/ml

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

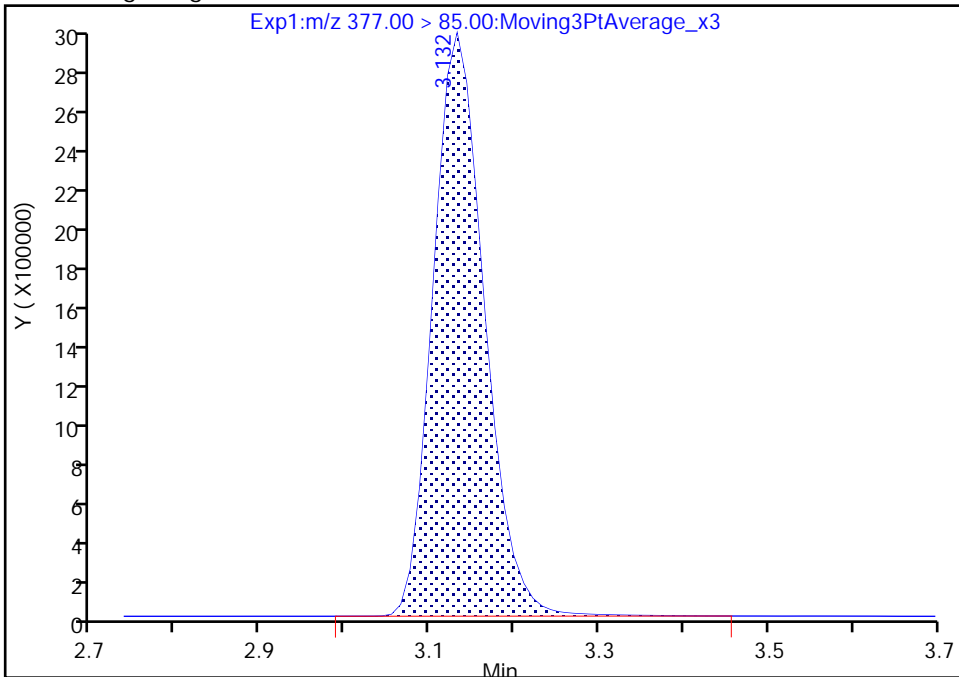
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 2

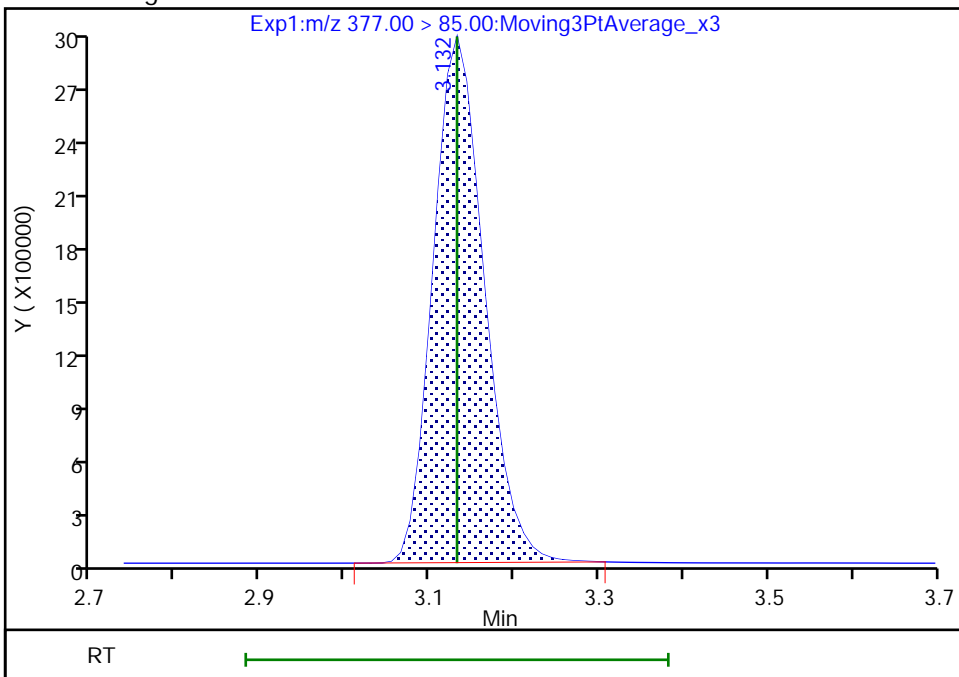
RT: 3.13
Area: 12365652
Amount: 7.677645
Amount Units: ng/ml

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

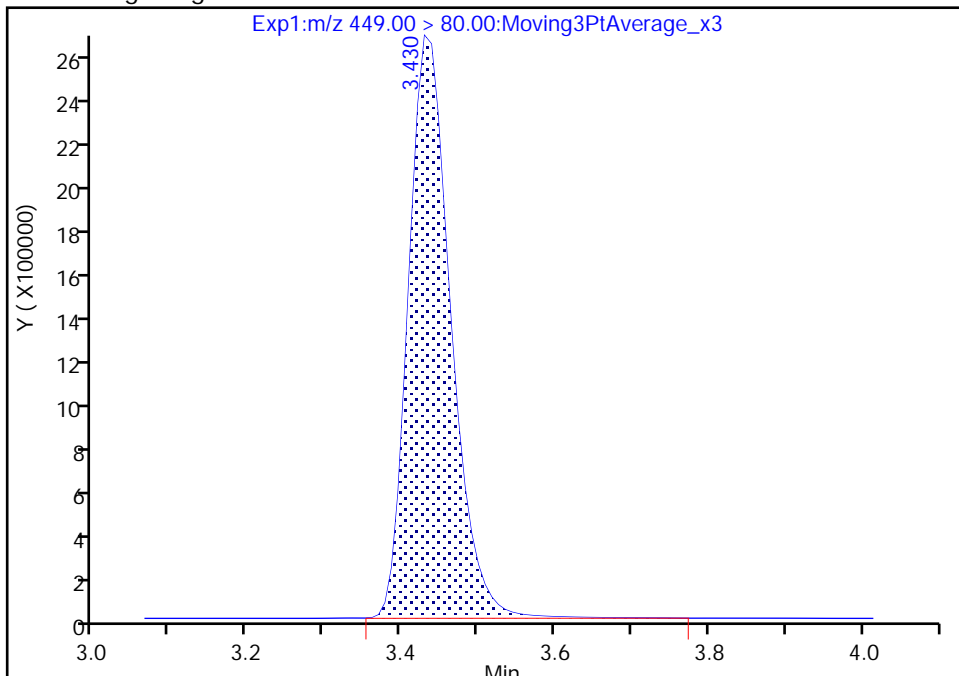
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

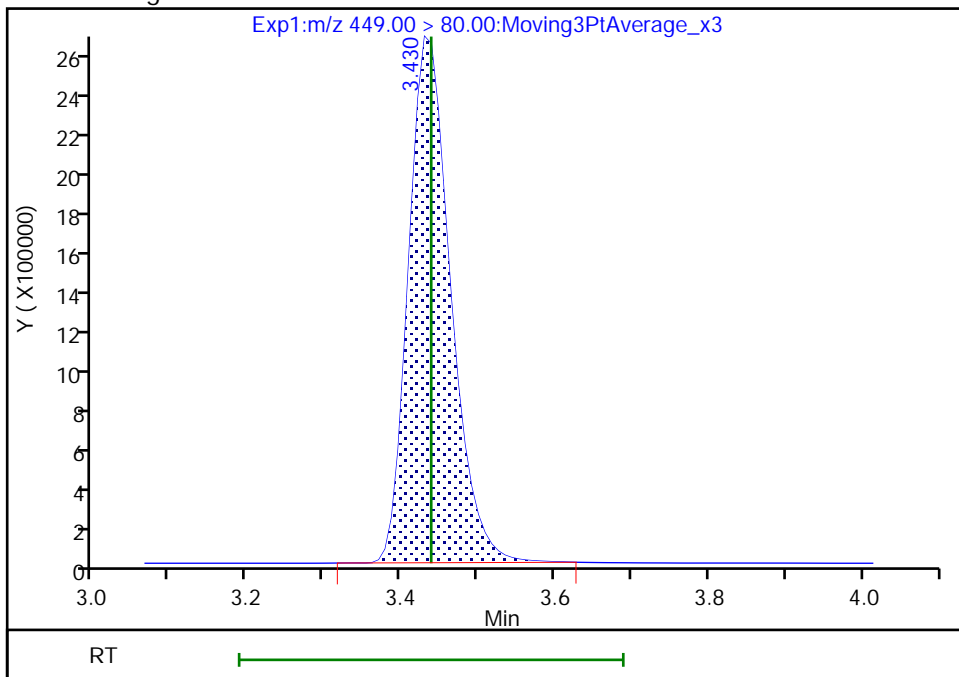
RT: 3.43
Area: 10231634
Amount: 8.801285
Amount Units: ng/ml

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

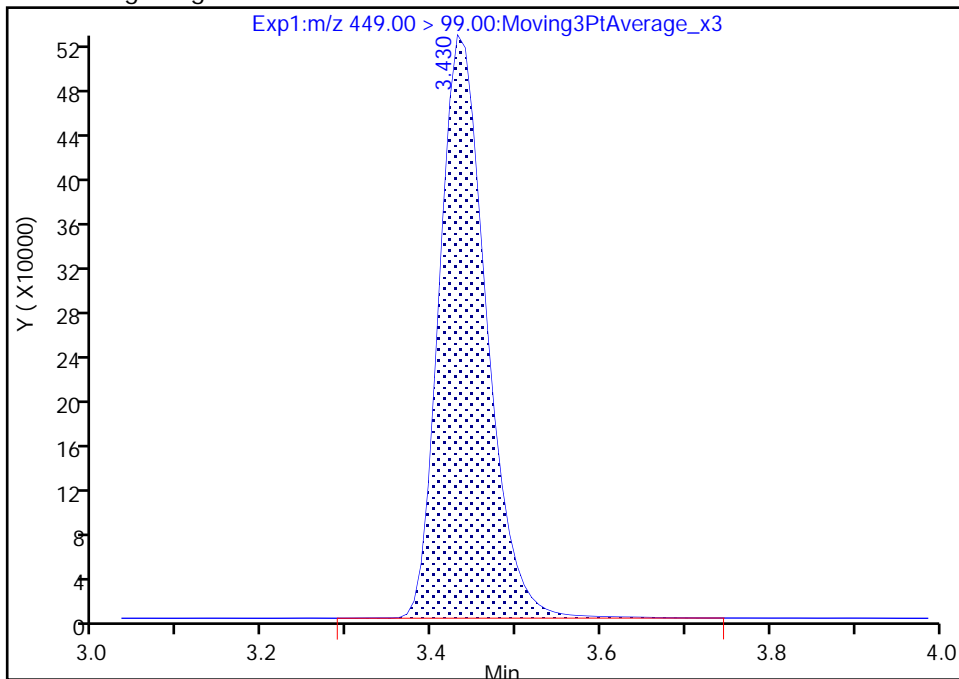
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

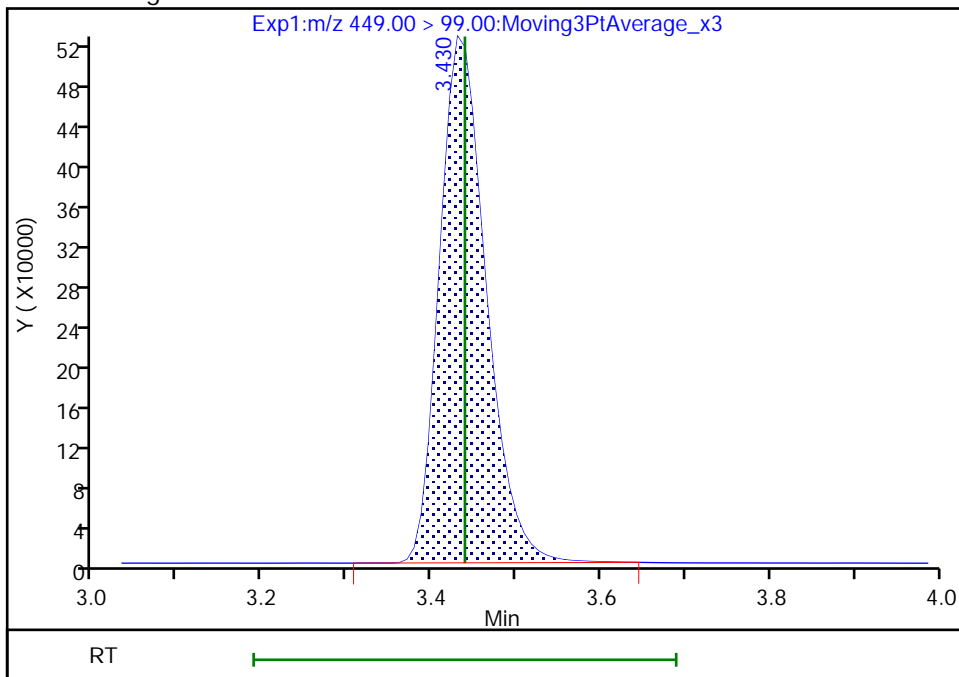
RT: 3.43
Area: 1997290
Amount: 8.801285
Amount Units: ng/ml

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

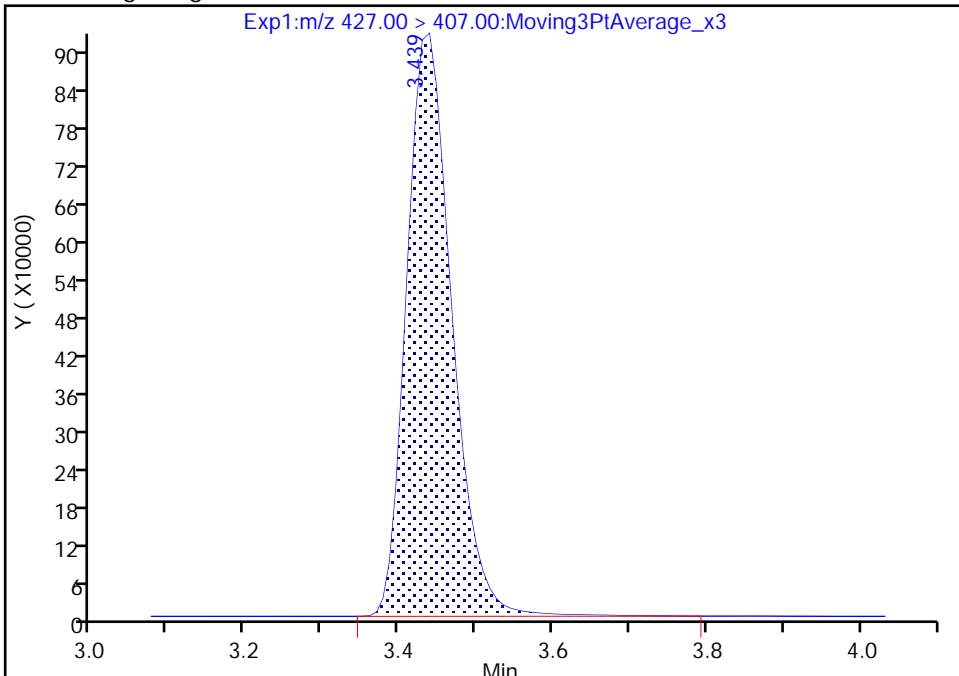
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

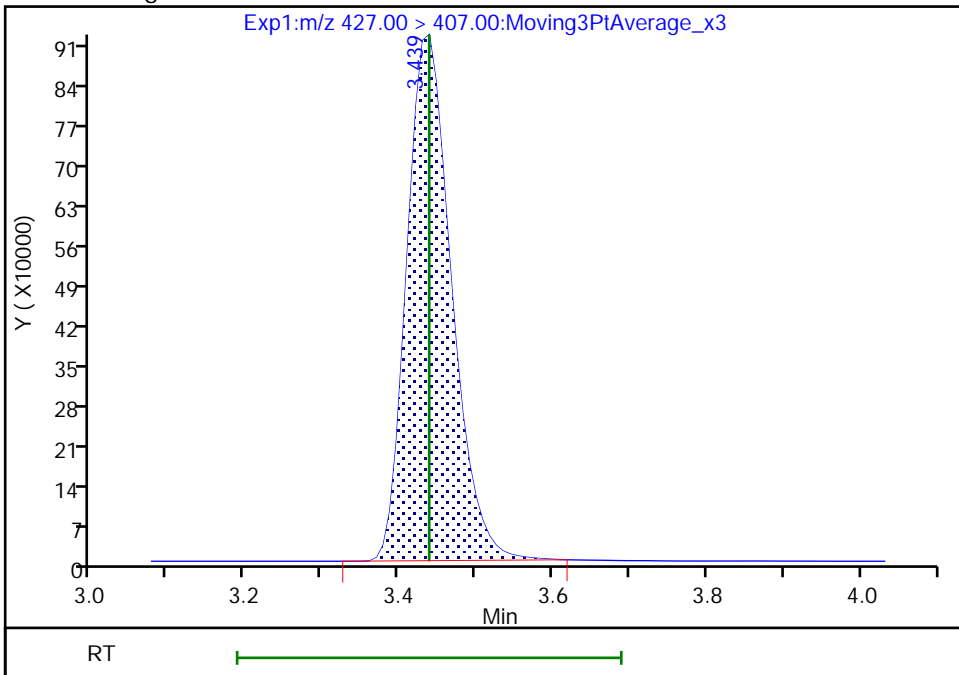
RT: 3.44
Area: 3774301
Amount: 8.926391
Amount Units: ng/ml

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

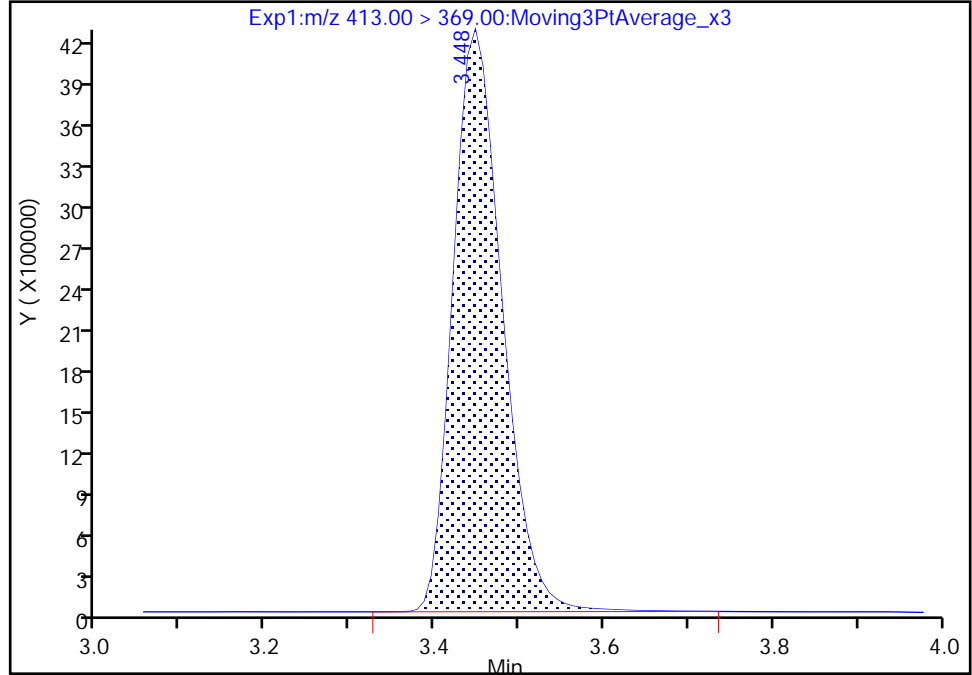
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

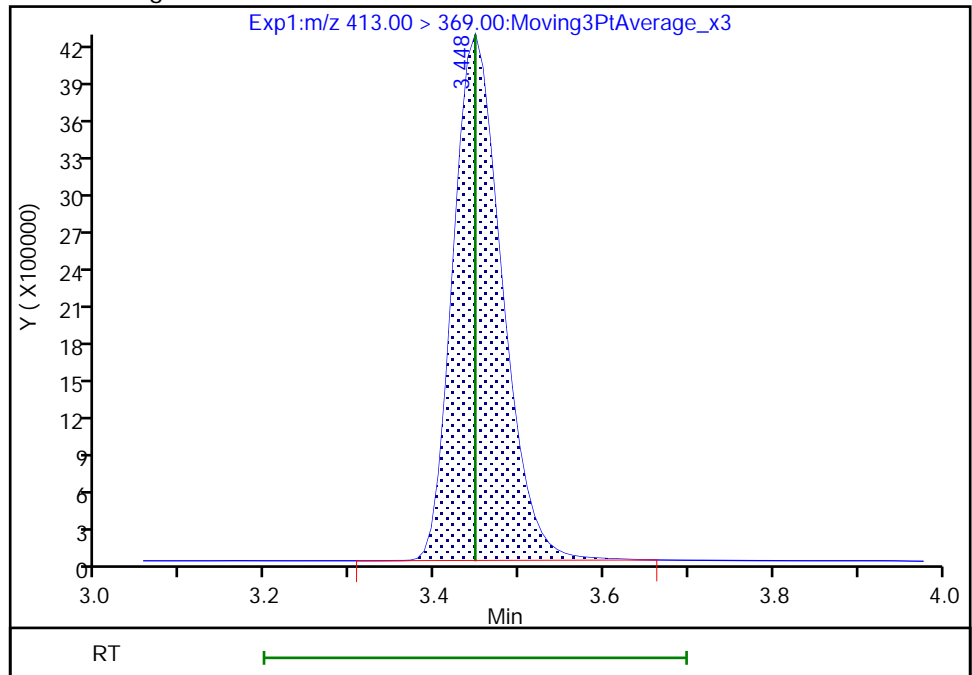
RT: 3.45
Area: 17030570
Amount: 9.031728
Amount Units: ng/ml

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

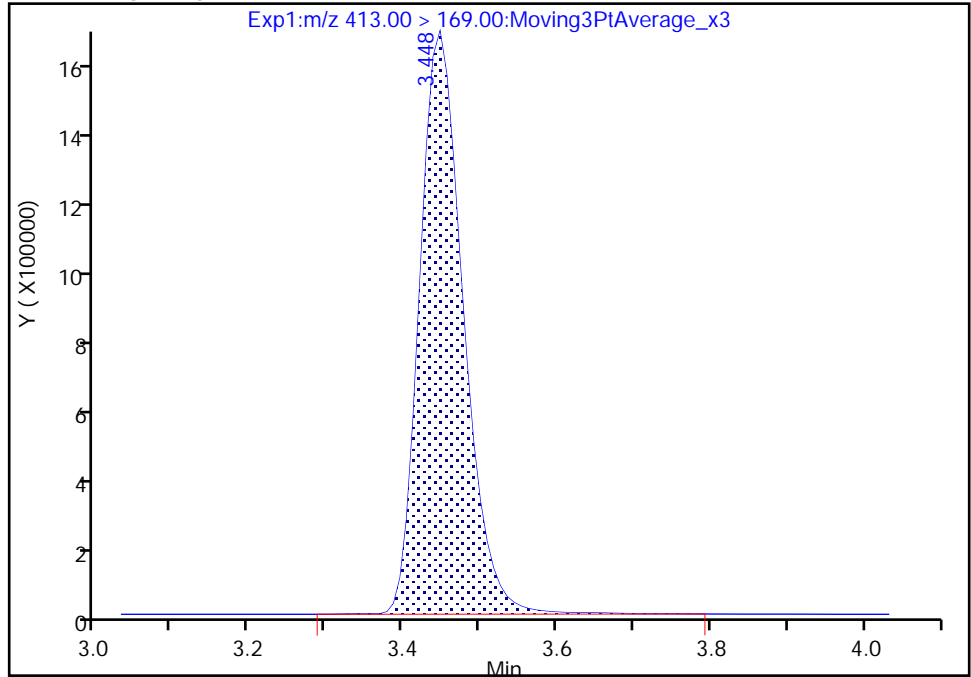
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

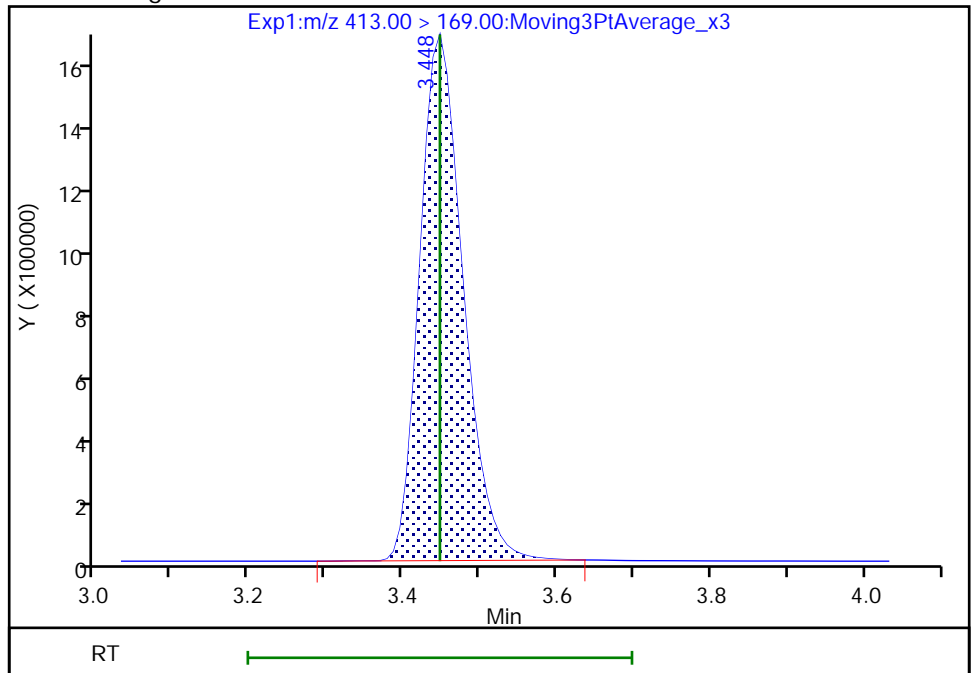
RT: 3.45
Area: 6304212
Amount: 9.031728
Amount Units: ng/ml

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

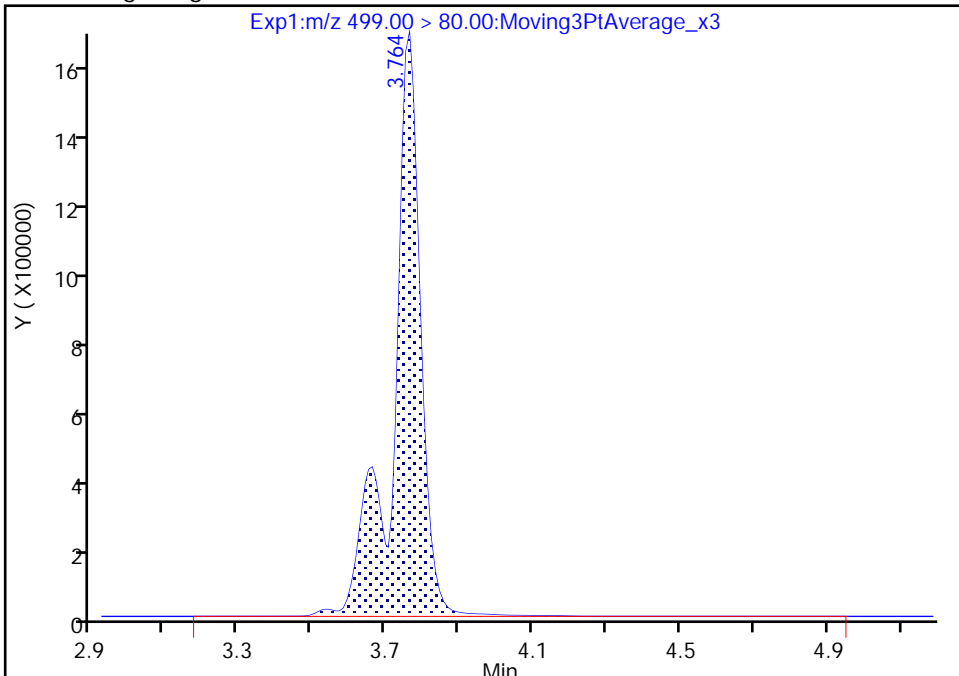
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

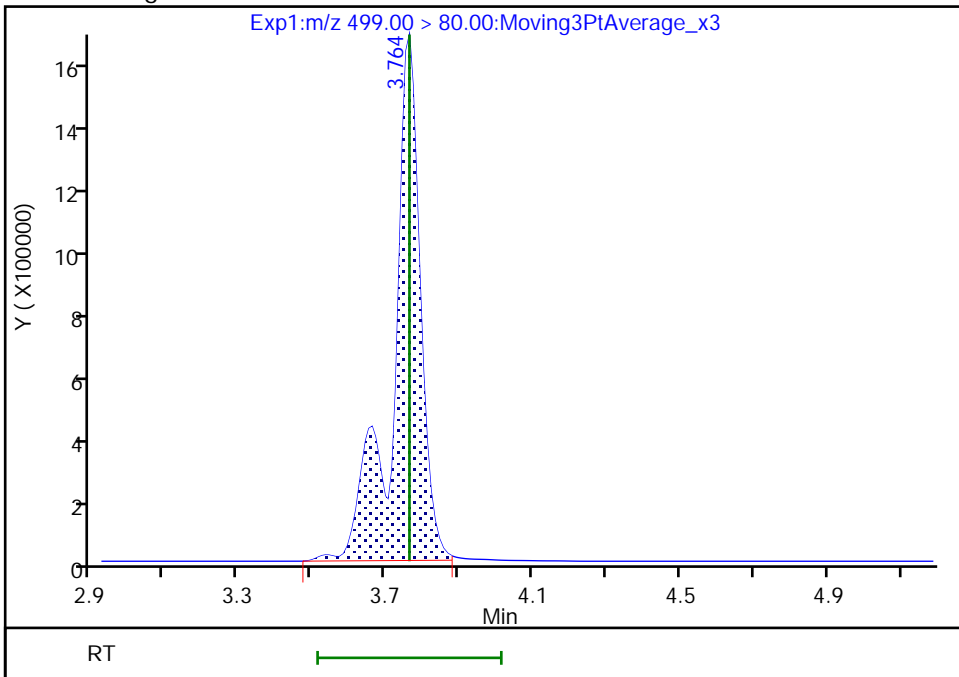
RT: 3.76
Area: 8658897
Amount: 8.543354
Amount Units: ng/ml

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

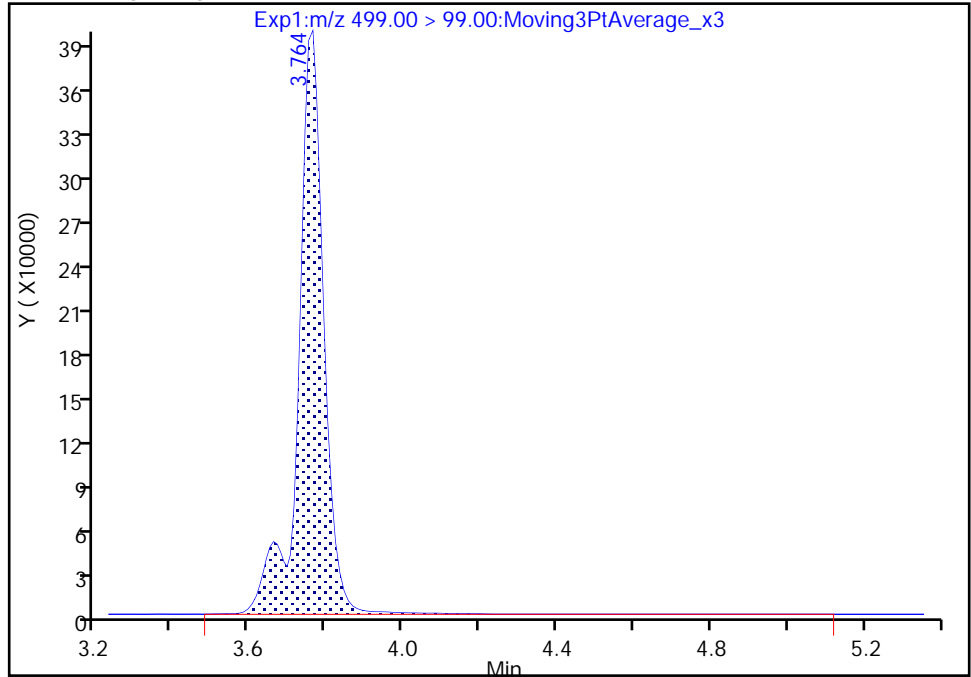
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

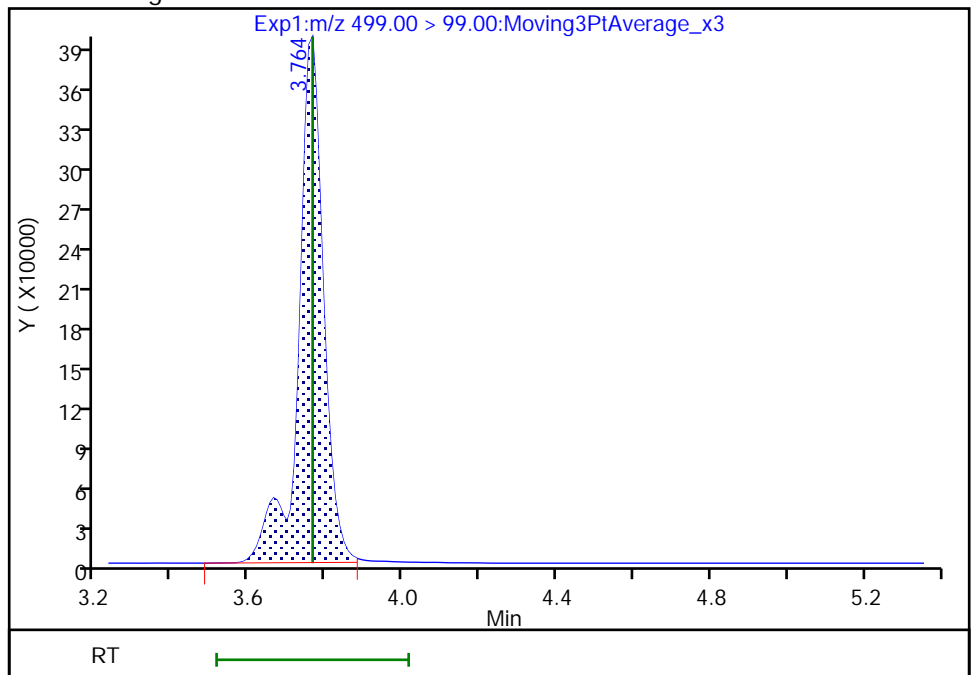
RT: 3.76
Area: 1795864
Amount: 8.543354
Amount Units: ng/ml

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

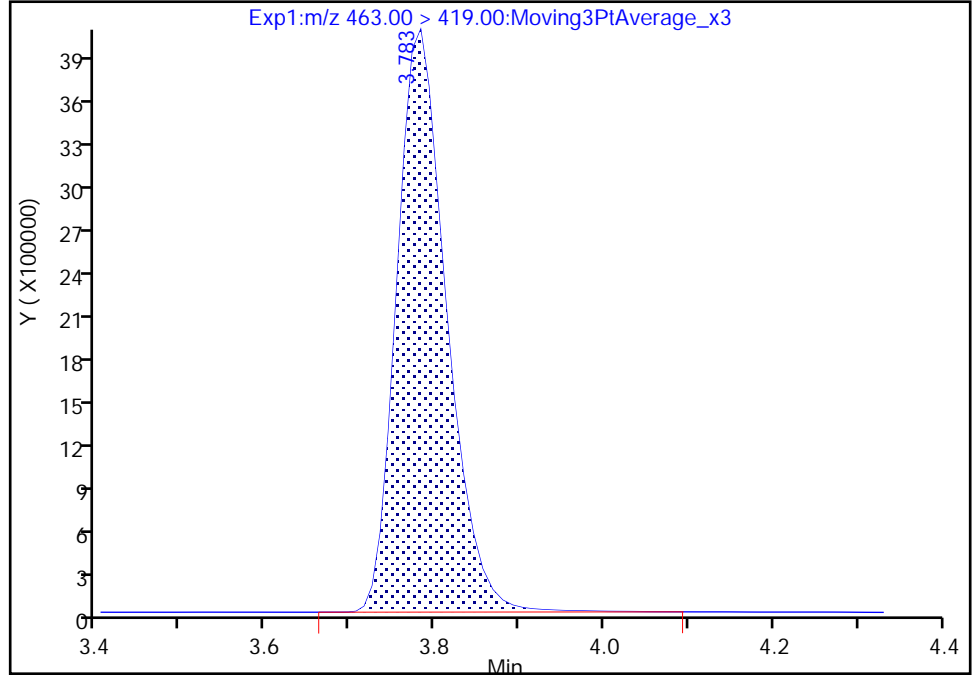
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

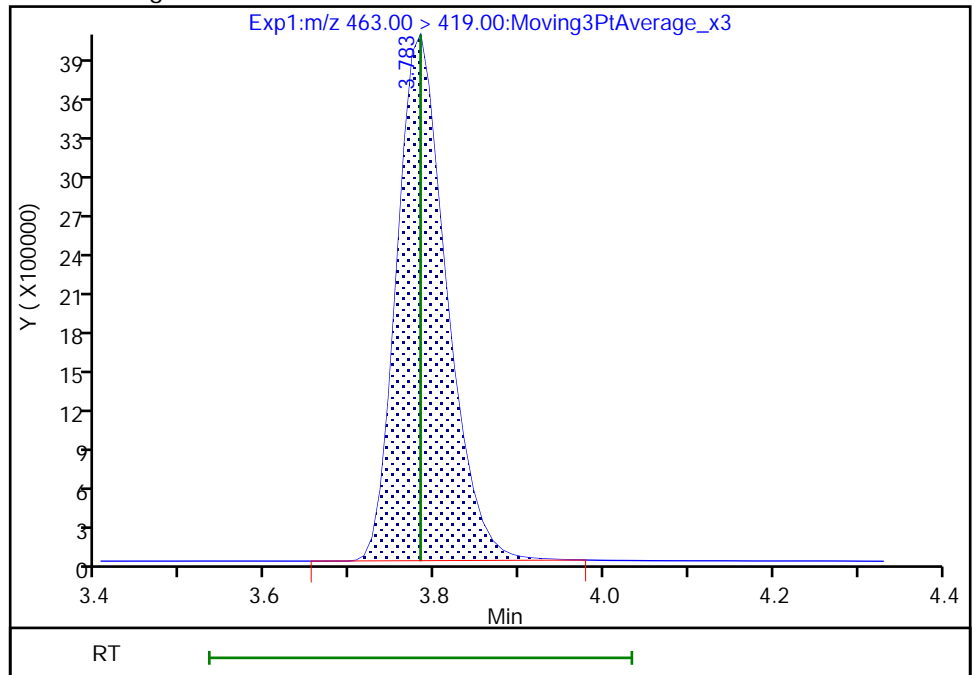
RT: 3.78
Area: 16420625
Amount: 9.401886
Amount Units: ng/ml

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

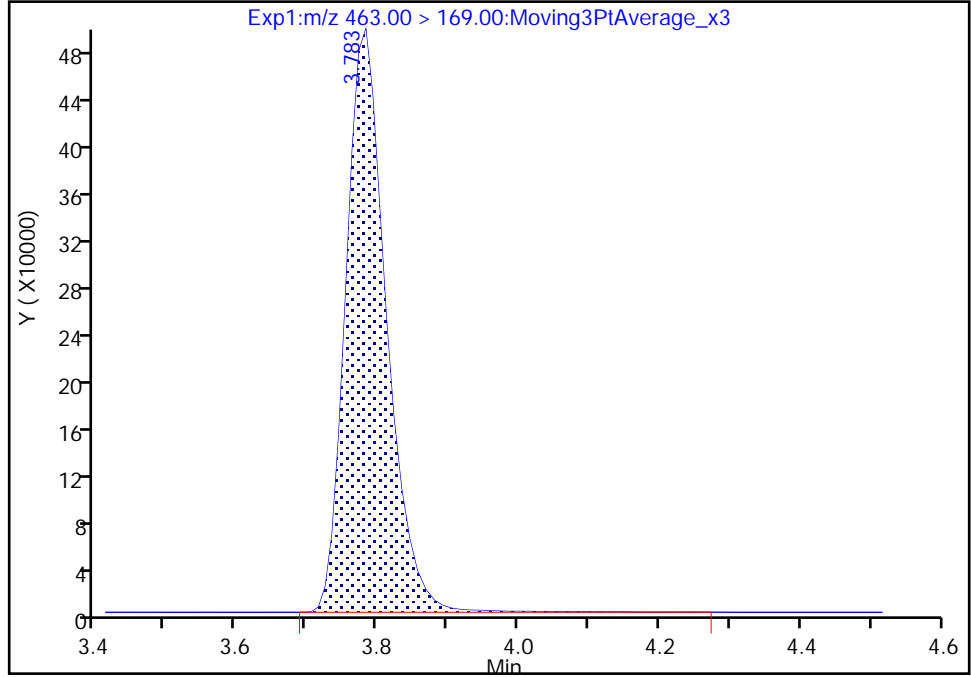
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

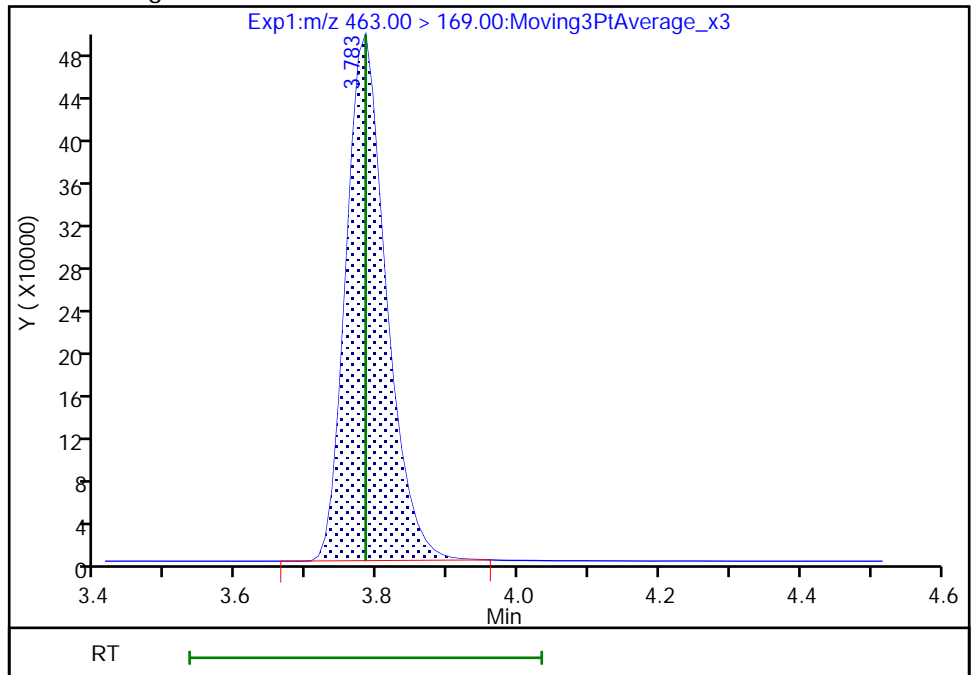
RT: 3.78
Area: 1954132
Amount: 9.401886
Amount Units: ng/ml

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

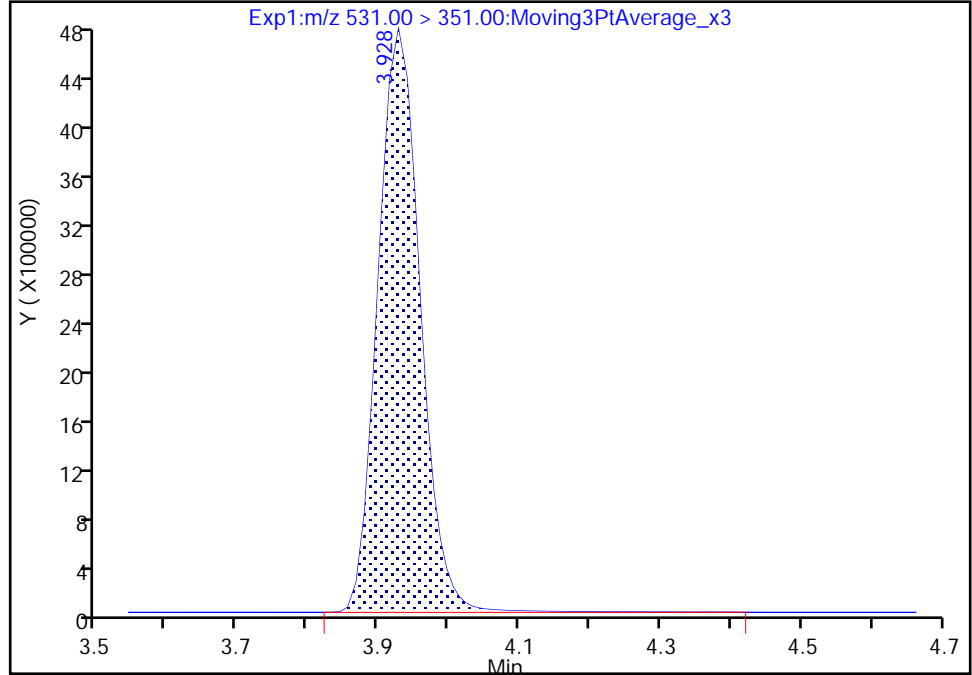
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

69 9-Chlorohexadecafluoro-3-oxanona, CAS: 756426-58-1

Signal: 1

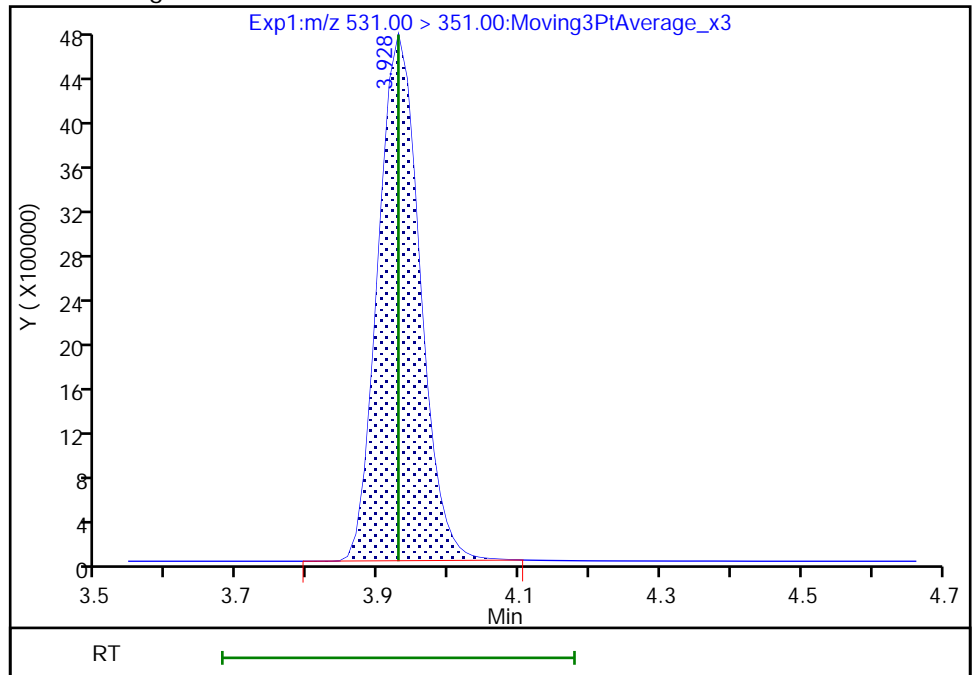
RT: 3.93
Area: 19643577
Amount: 8.453015
Amount Units: ng/ml

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

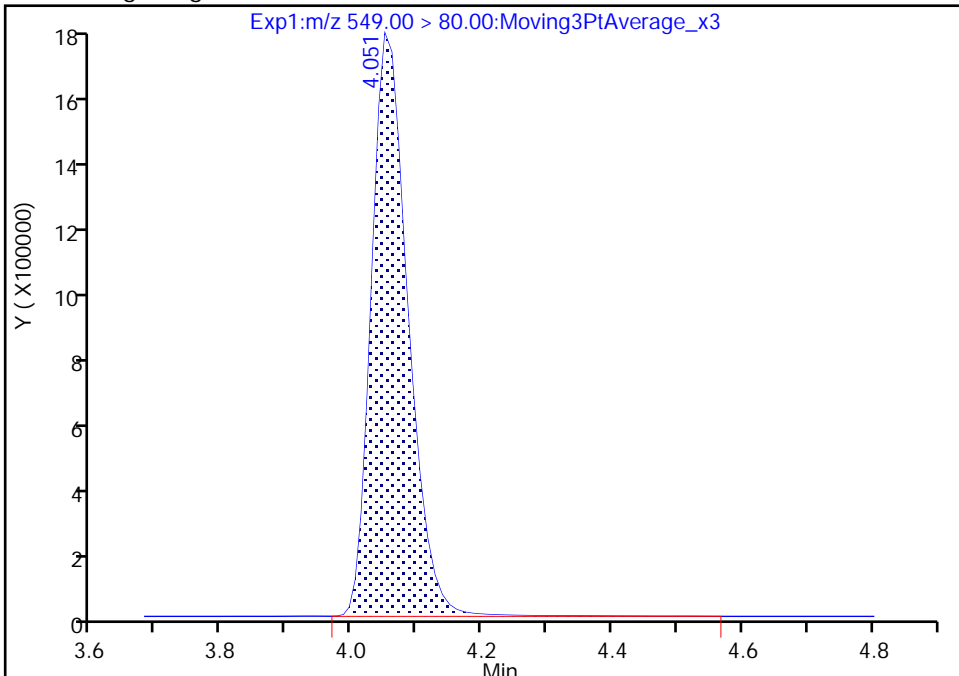
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 1

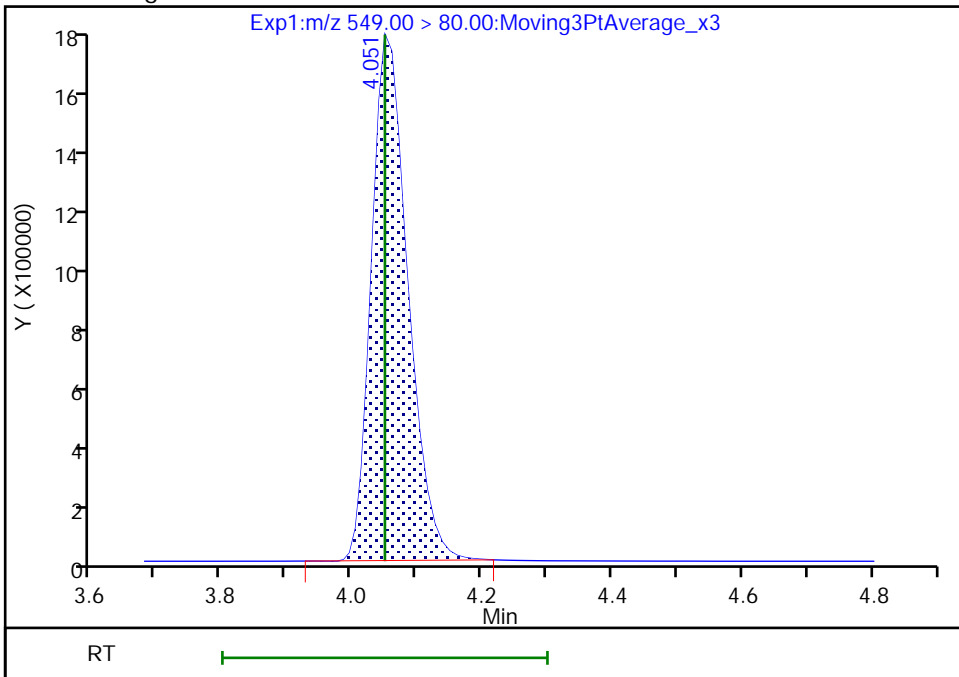
RT: 4.05
Area: 6901061
Amount: 9.026930
Amount Units: ng/ml

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

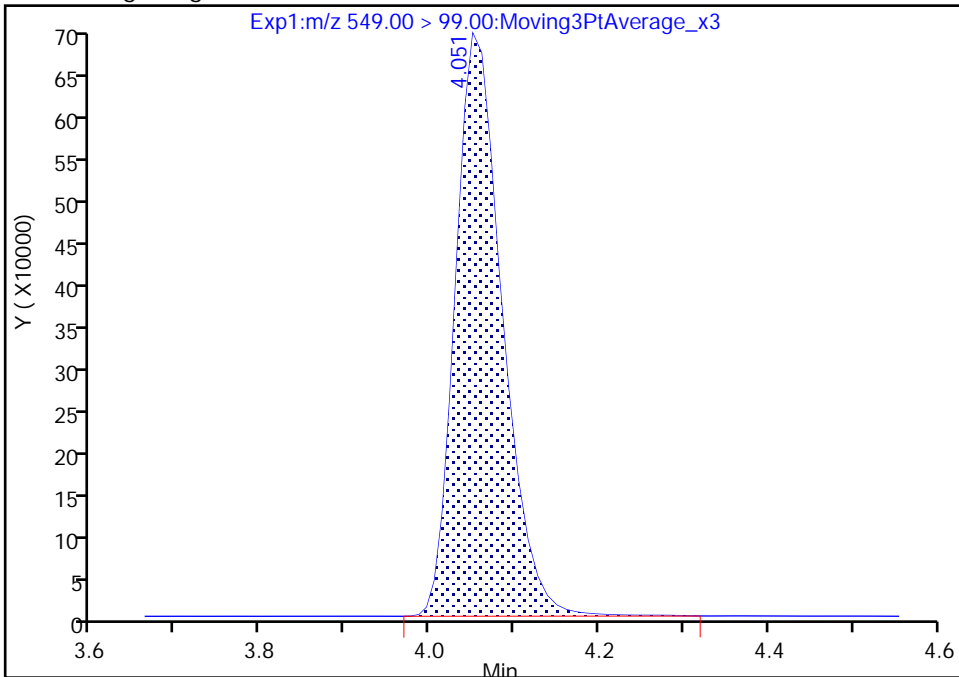
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 2

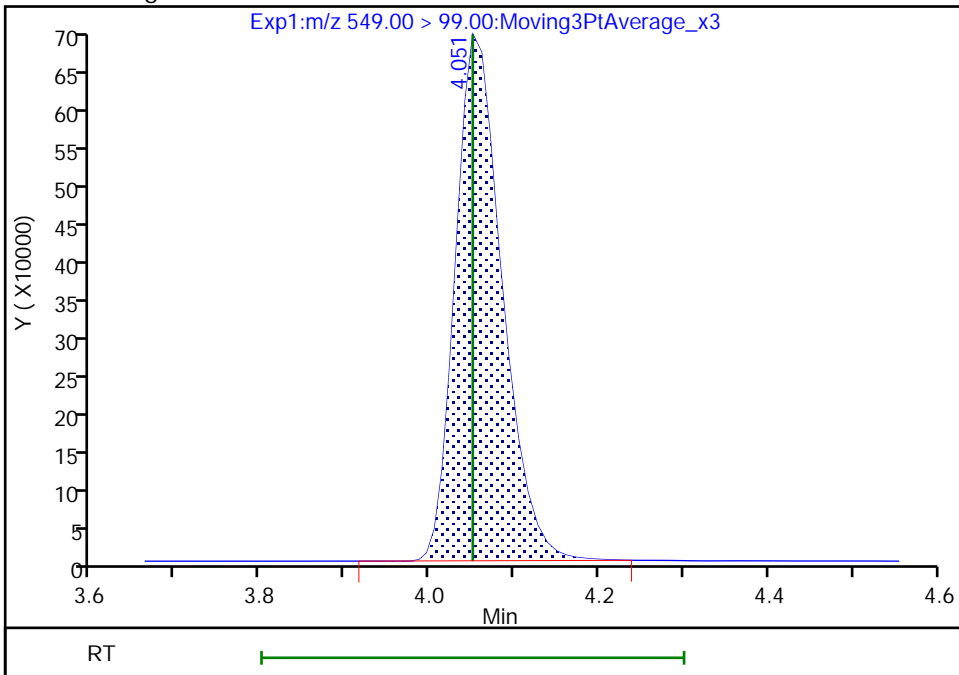
RT: 4.05
Area: 2665260
Amount: 9.026930
Amount Units: ng/ml

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

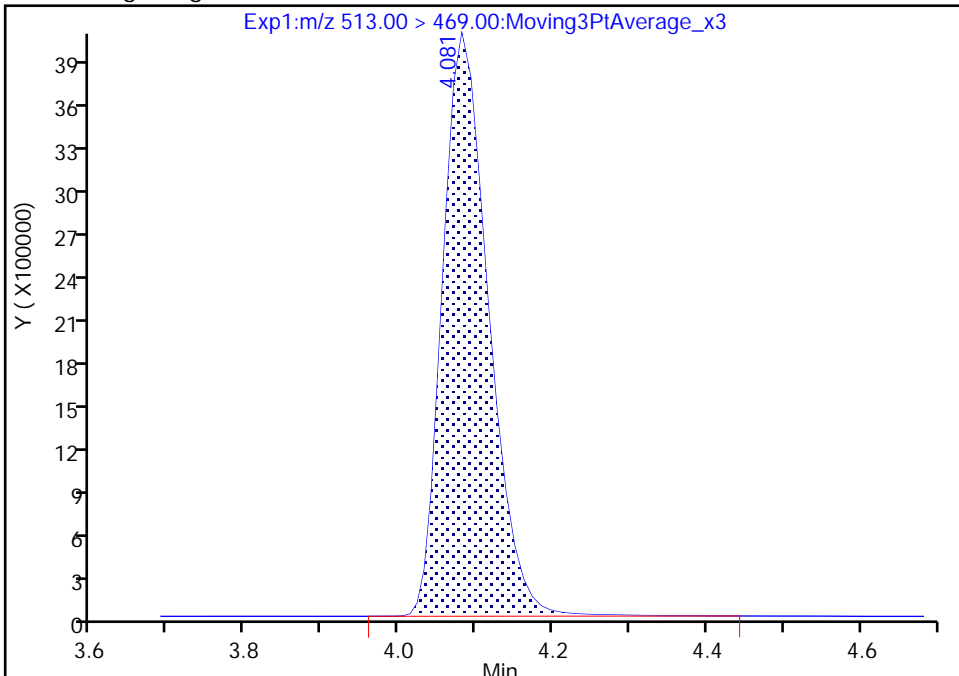
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

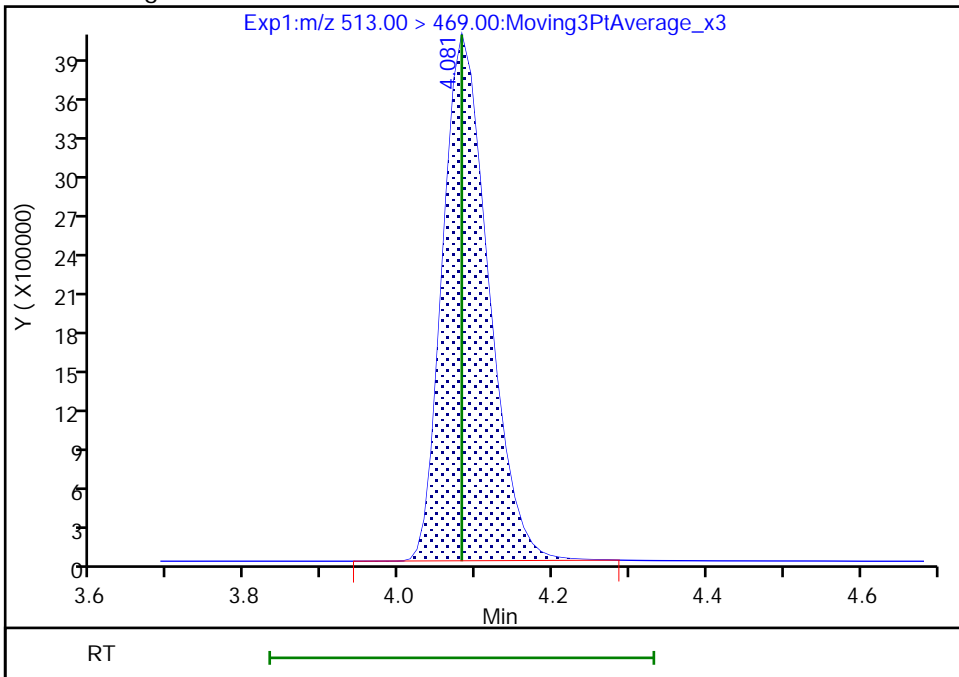
RT: 4.08
Area: 16777487
Amount: 8.666535
Amount Units: ng/ml

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

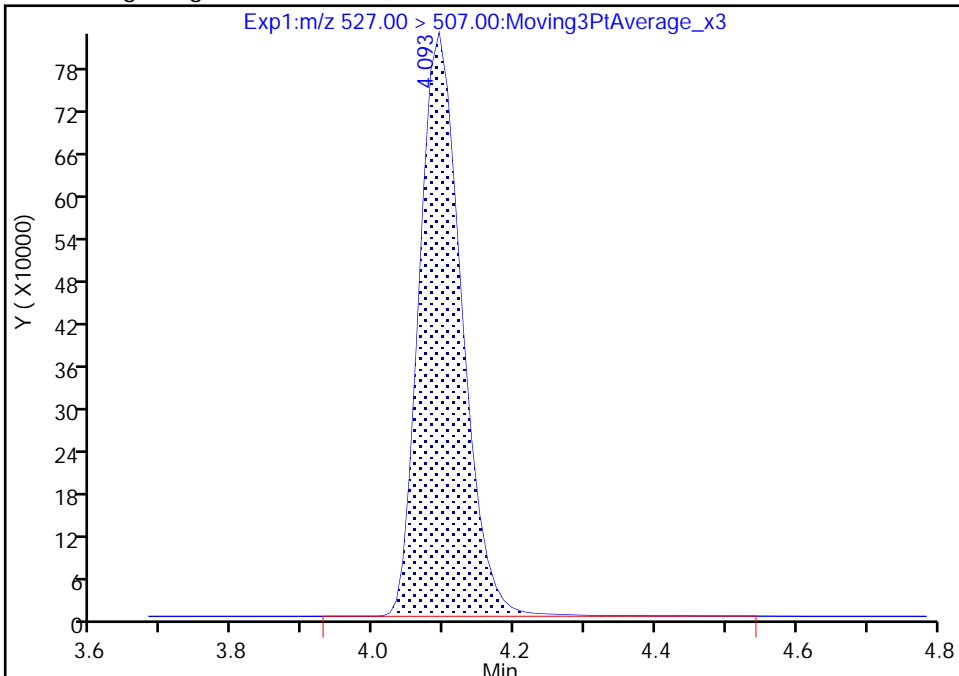
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

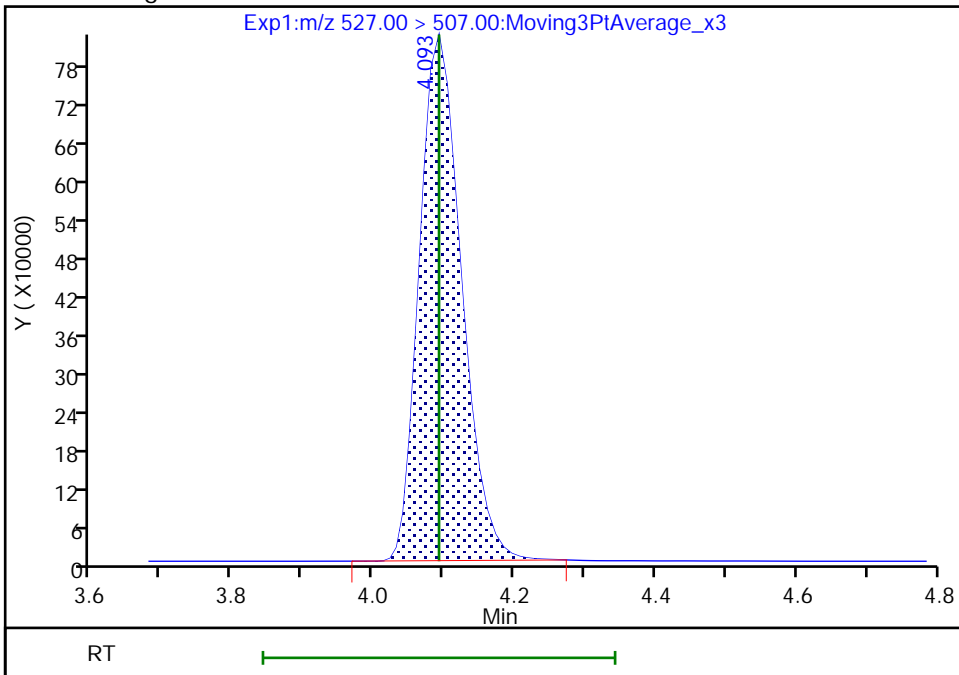
RT: 4.09
Area: 3456510
Amount: 9.221521
Amount Units: ng/ml

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

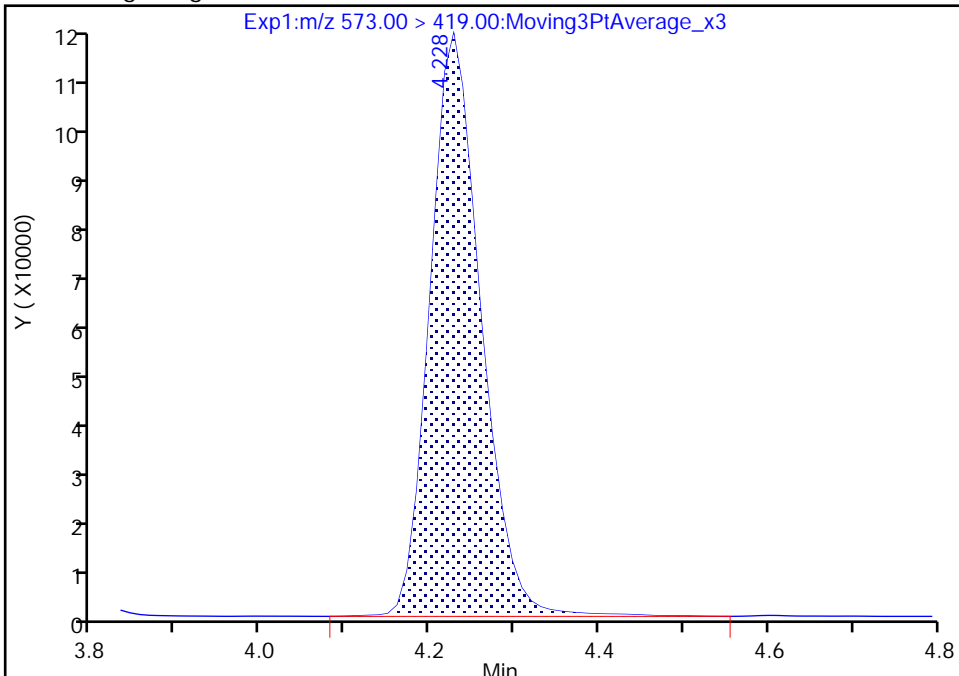
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

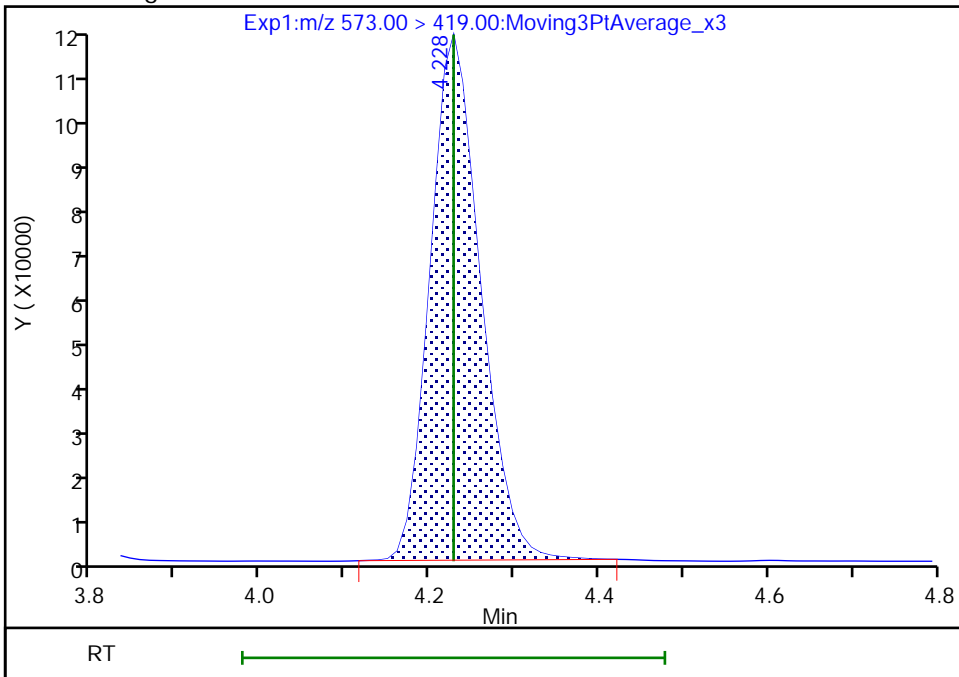
RT: 4.23
Area: 484787
Amount: 1.385223
Amount Units: ng/ml

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

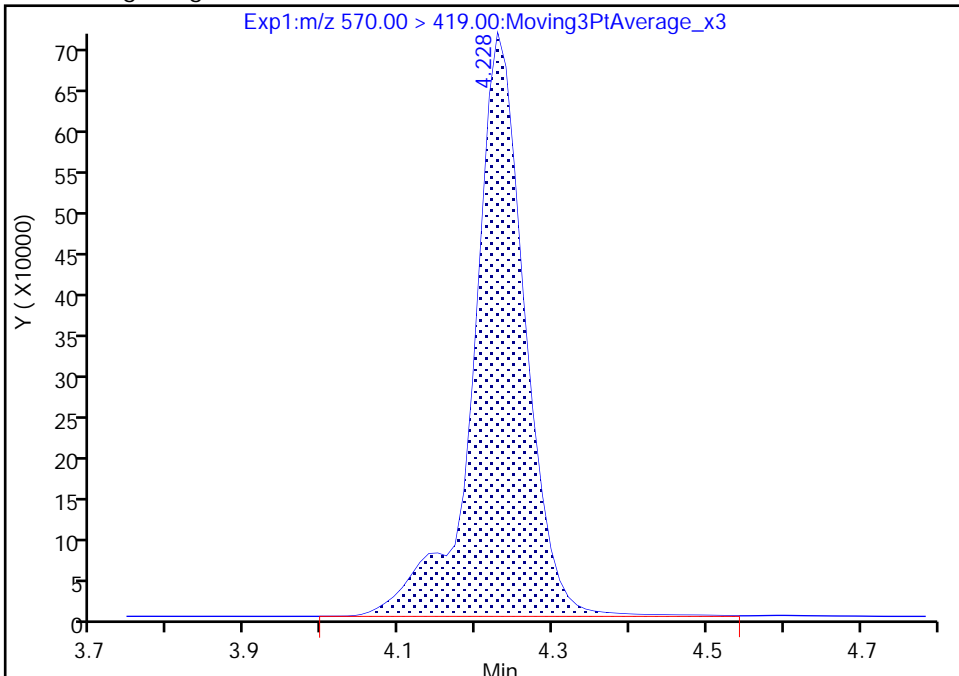
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

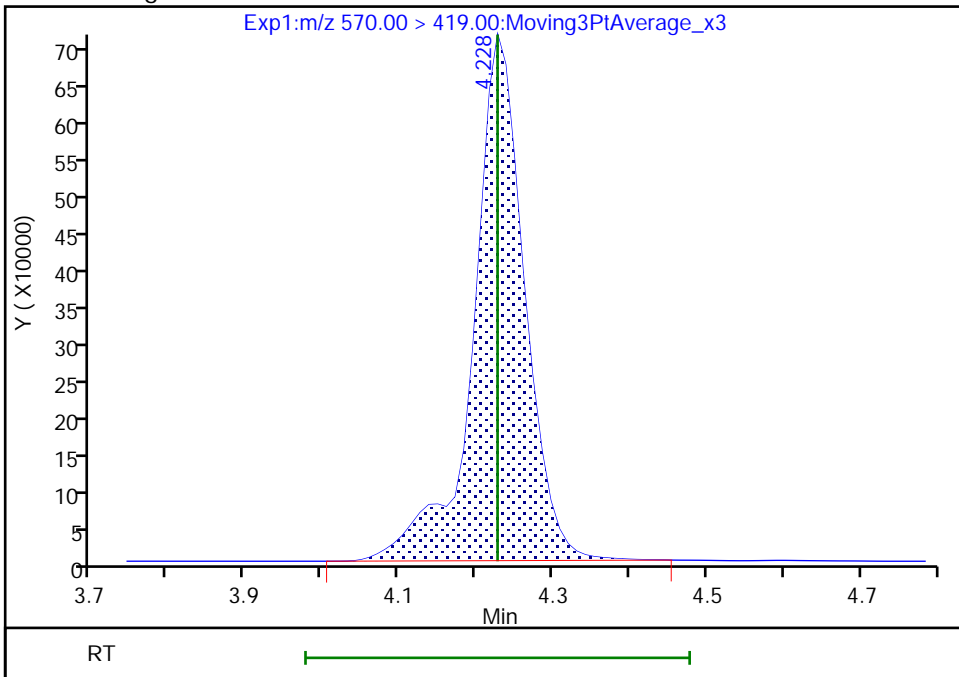
RT: 4.23
Area: 3324827
Amount: 9.466992
Amount Units: ng/ml

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

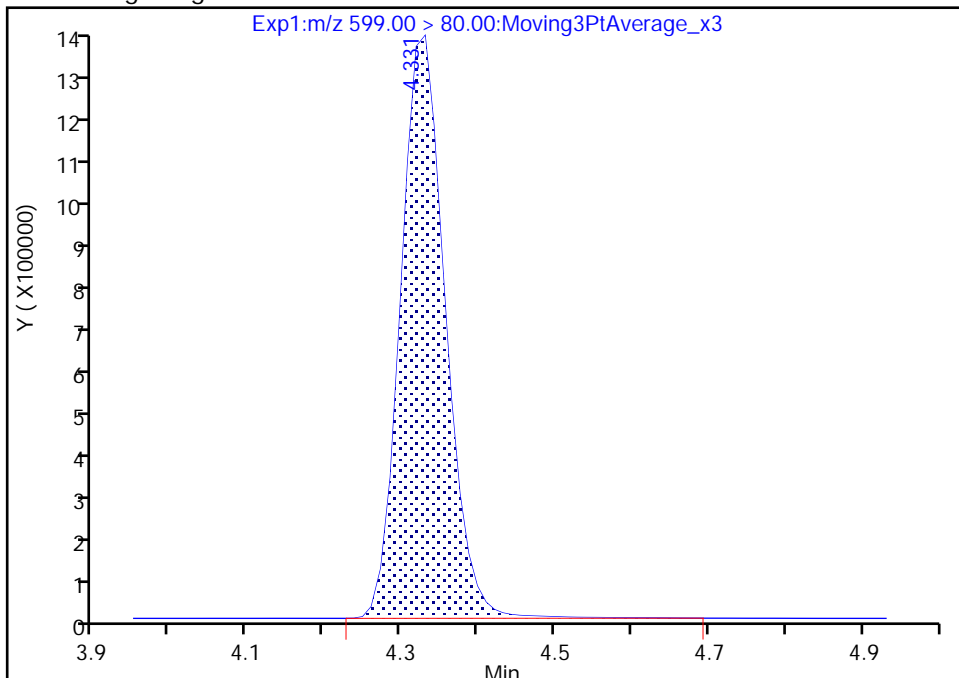
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

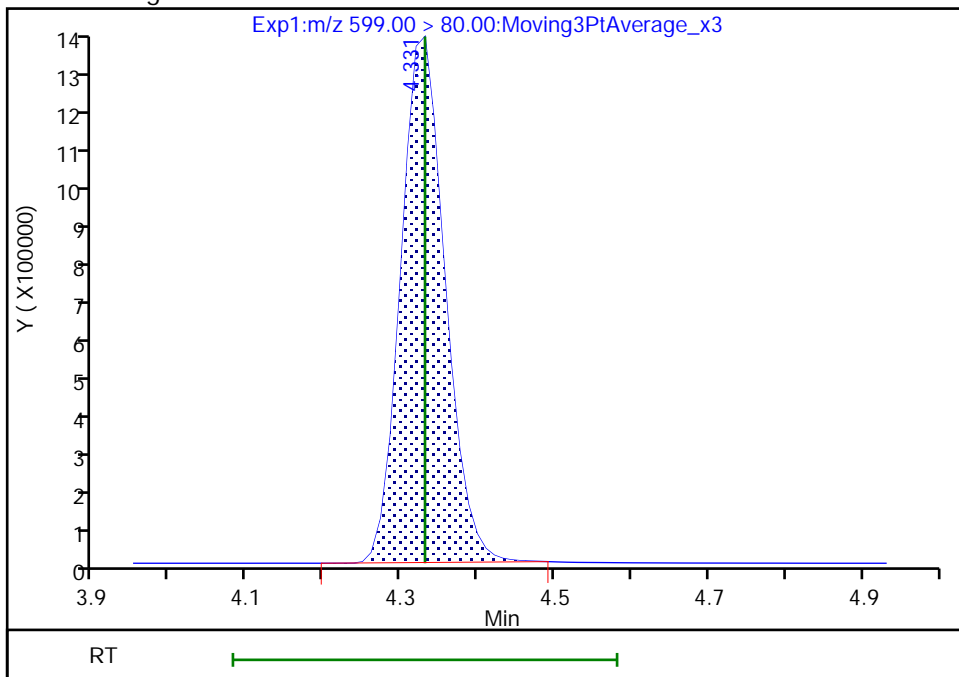
RT: 4.33
Area: 5598329
Amount: 9.275714
Amount Units: ng/ml

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

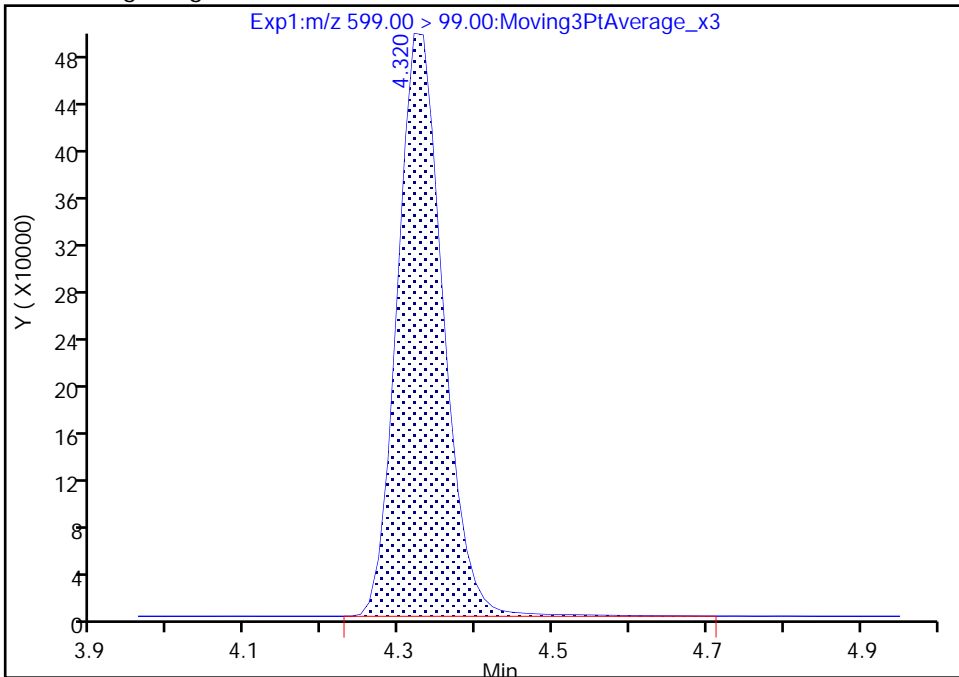
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

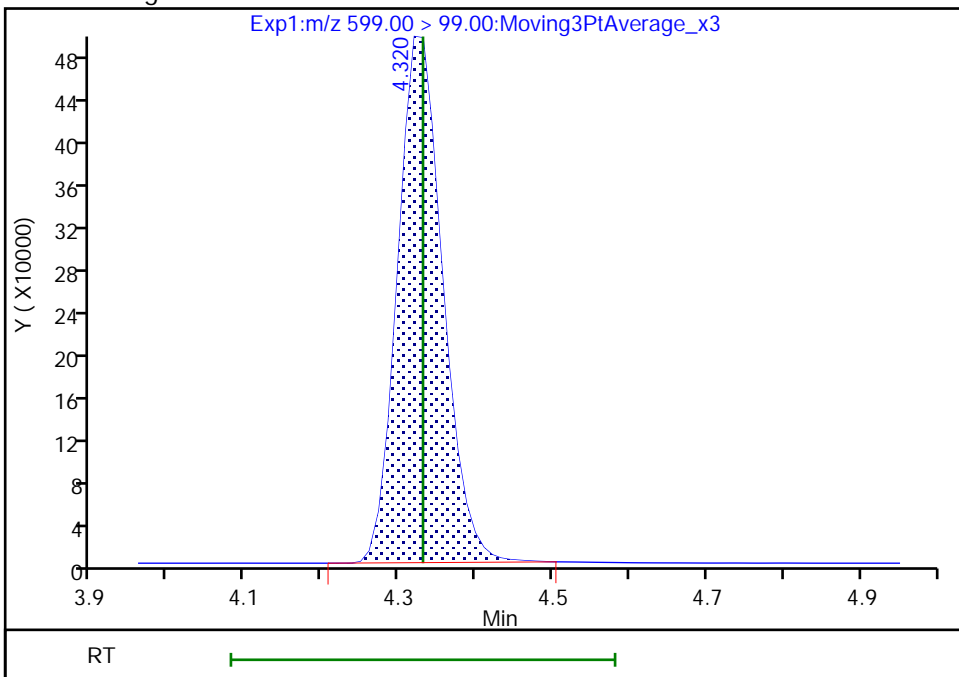
RT: 4.32
Area: 2054689
Amount: 9.275714
Amount Units: ng/ml

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

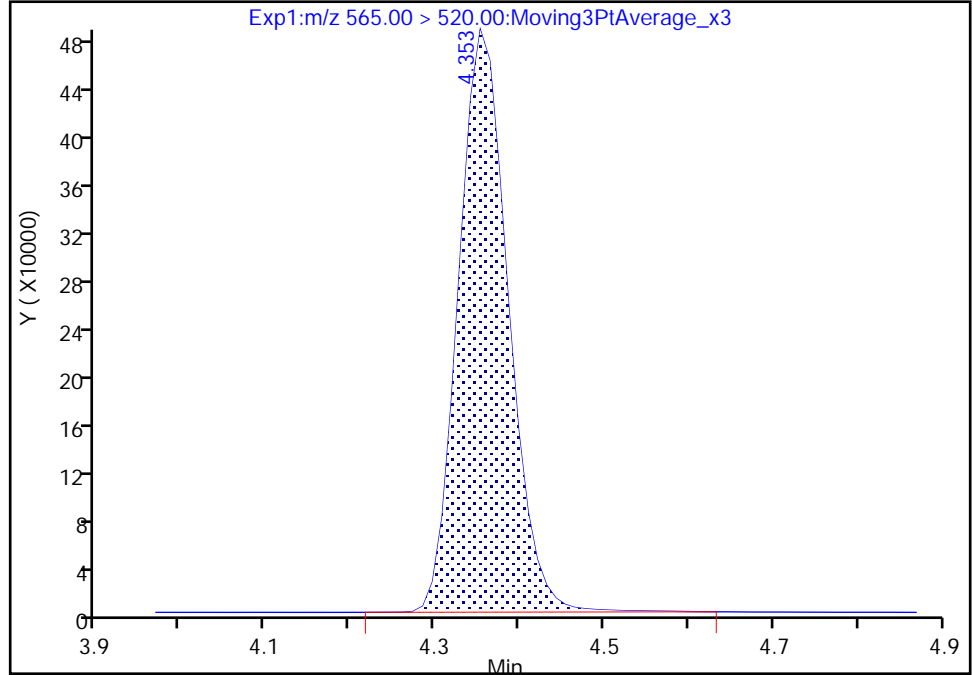
Eurofins Burlington

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

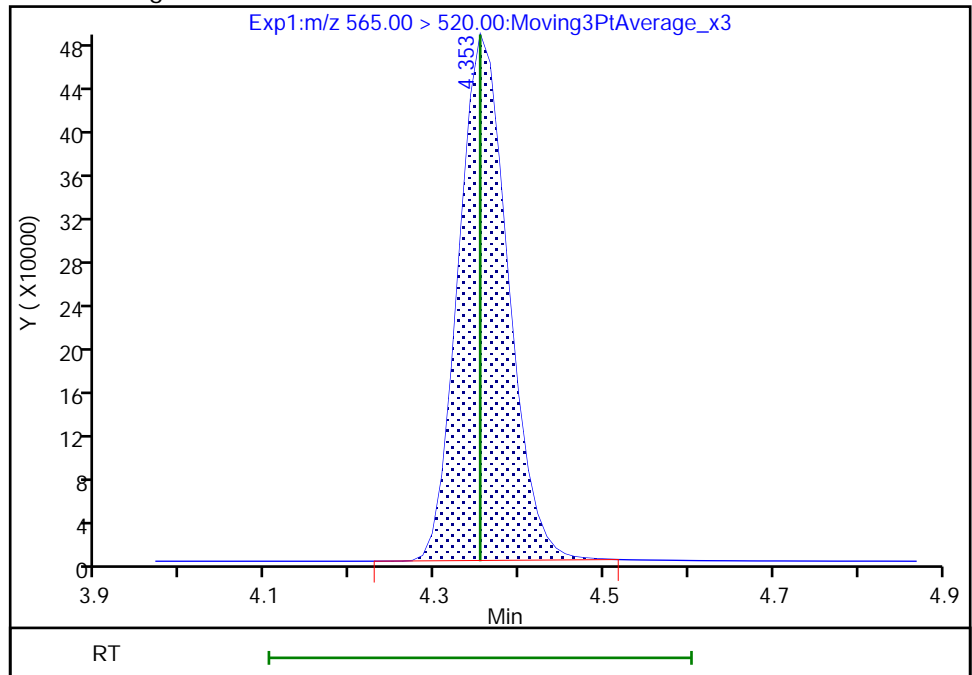
RT: 4.35
Area: 1981457
Amount: 1.260398
Amount Units: ng/ml

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

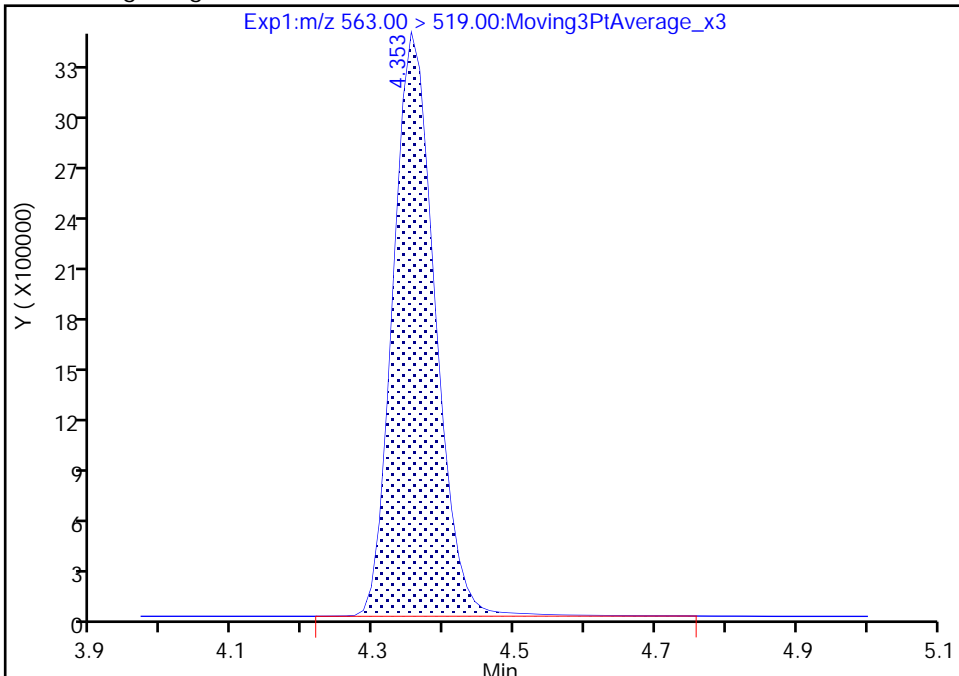
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

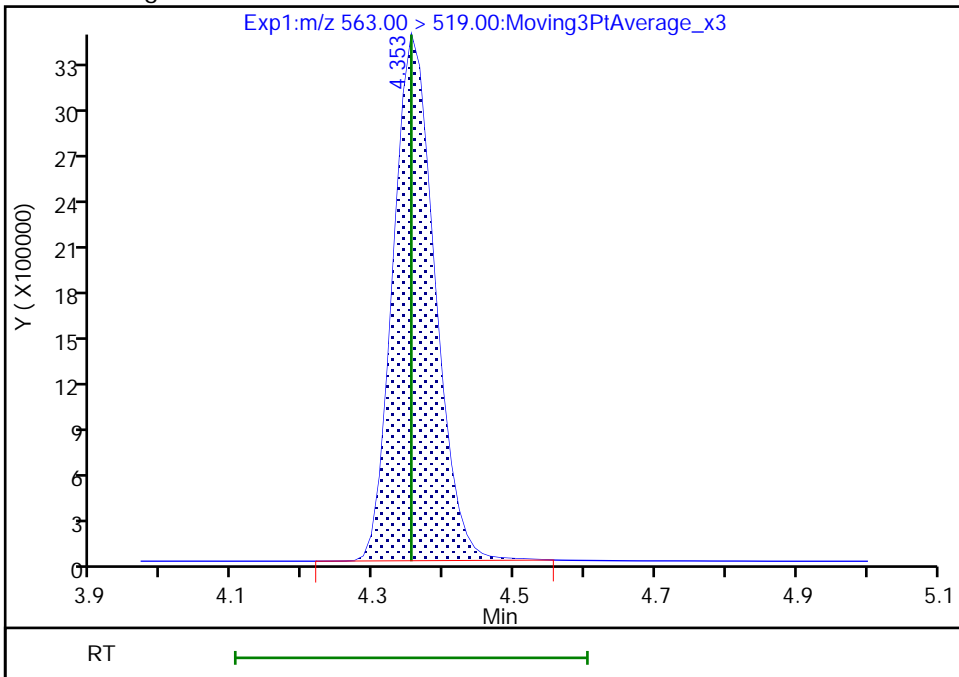
RT: 4.35
Area: 14261306
Amount: 8.982281
Amount Units: ng/ml

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

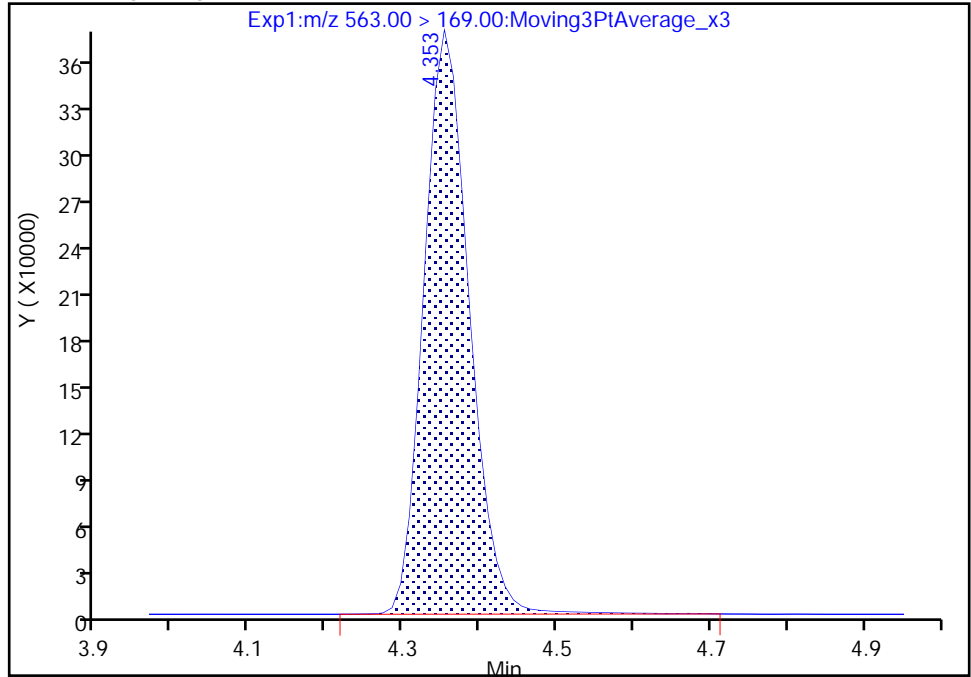
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

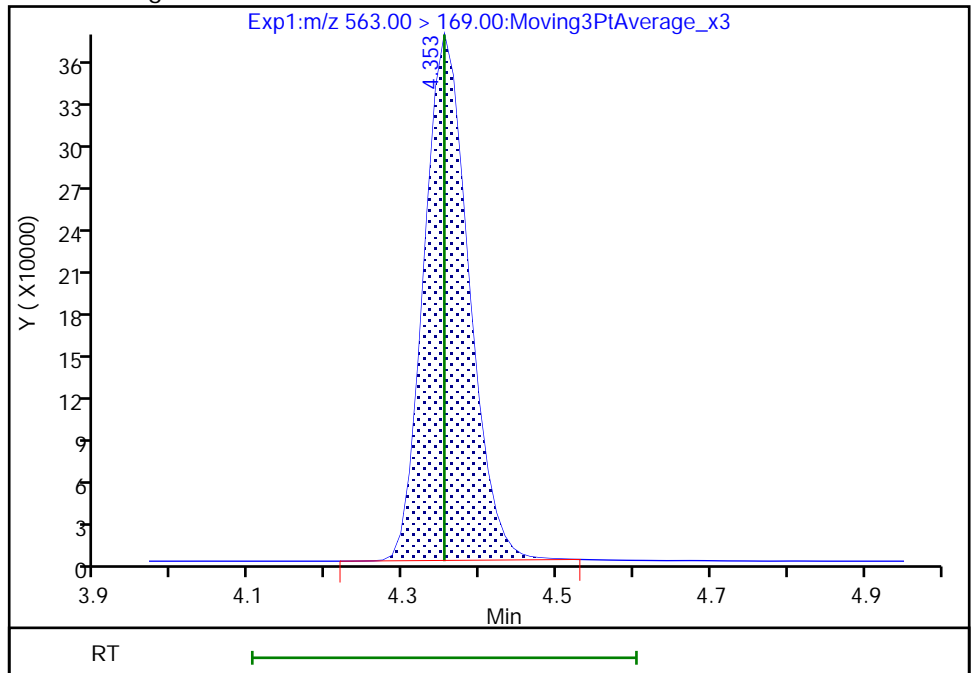
RT: 4.35
Area: 1516832
Amount: 8.982281
Amount Units: ng/ml

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

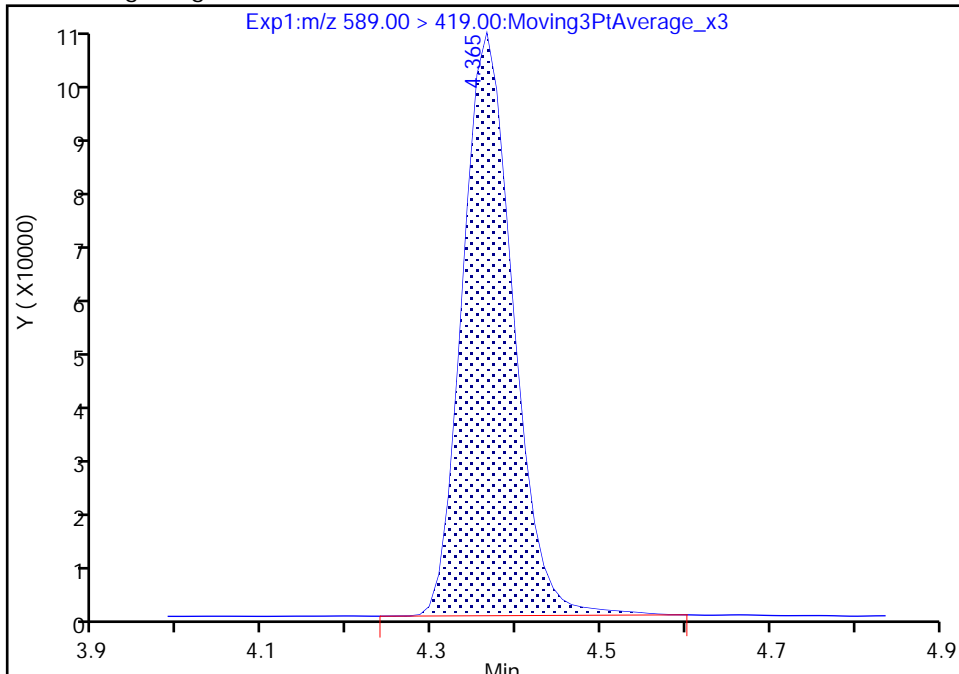
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 32 d5-NEtFOSAA, CAS: STL02117

Signal: 1

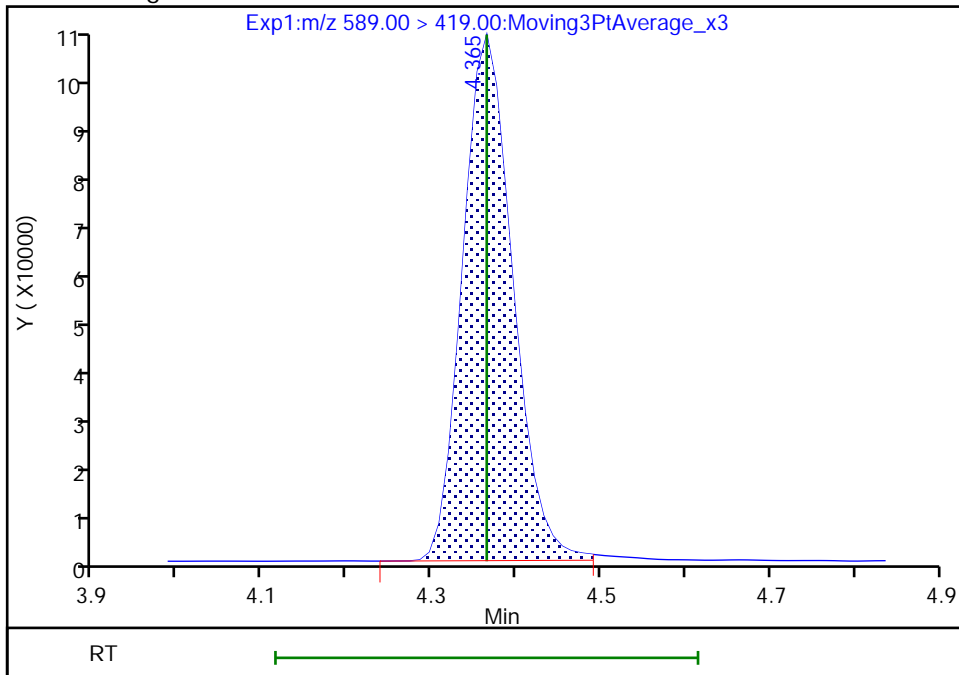
RT: 4.36
Area: 447944
Amount: 1.301468
Amount Units: ng/ml

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

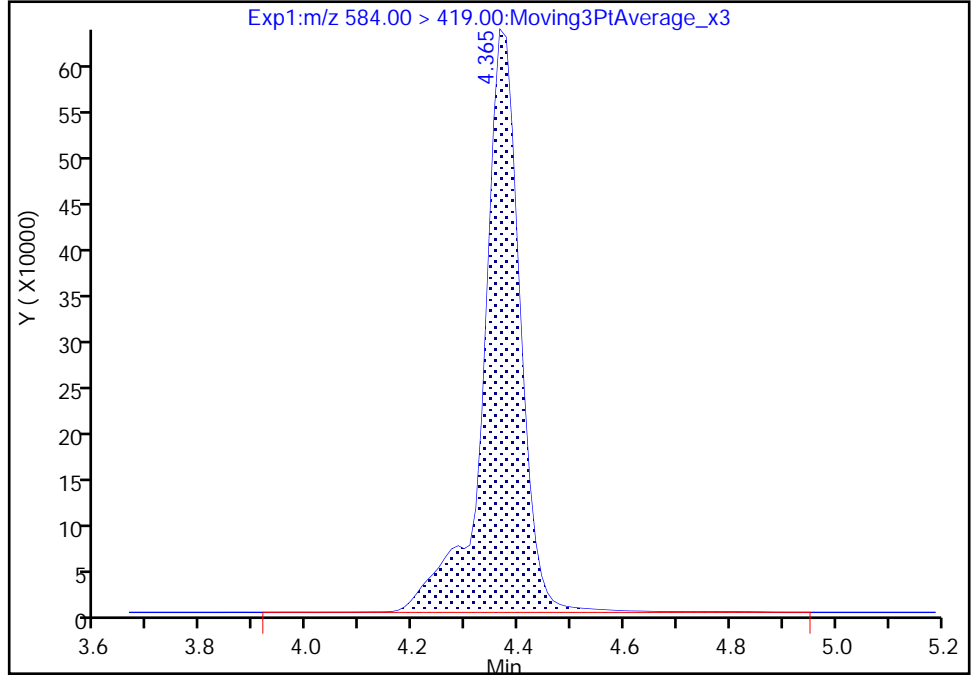
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

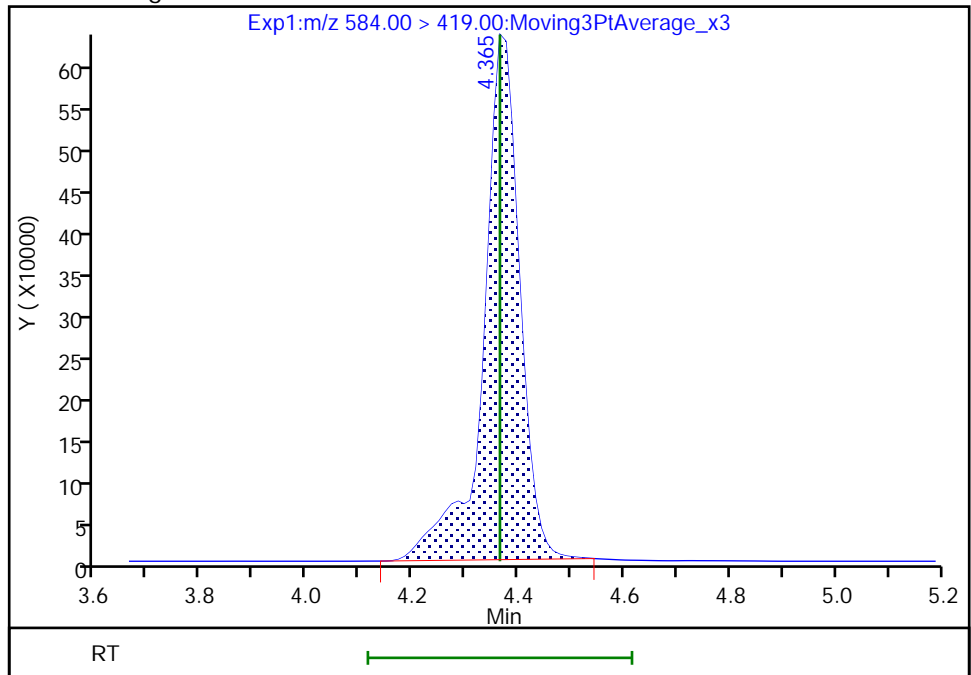
RT: 4.36
Area: 3053897
Amount: 9.498844
Amount Units: ng/ml

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

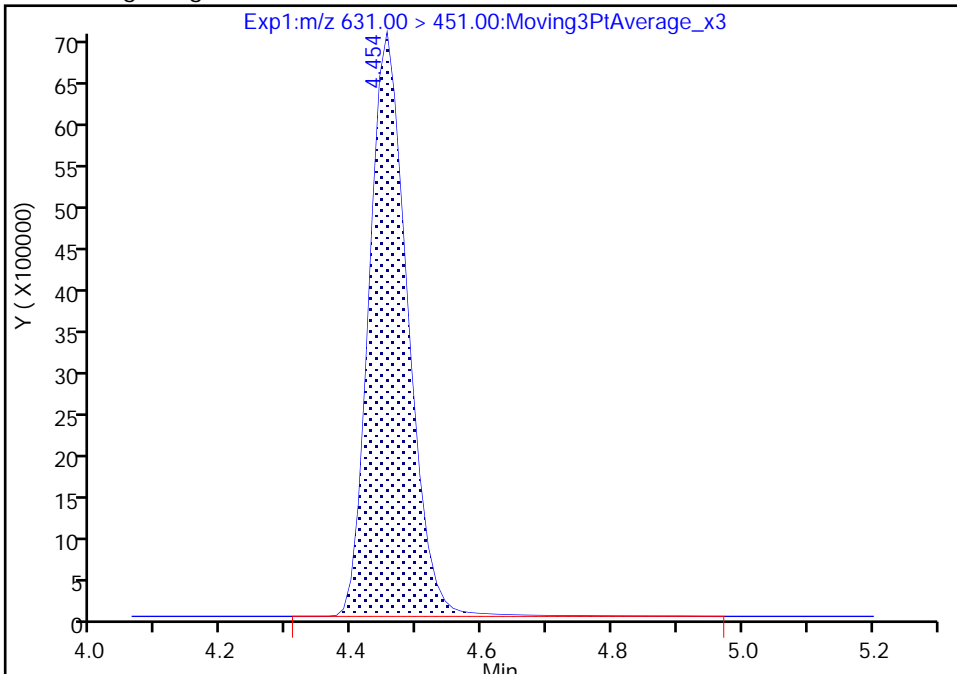
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

66 11-Chloroeicosafuoro-3-oxaundec, CAS: 763051-92-9

Signal: 1

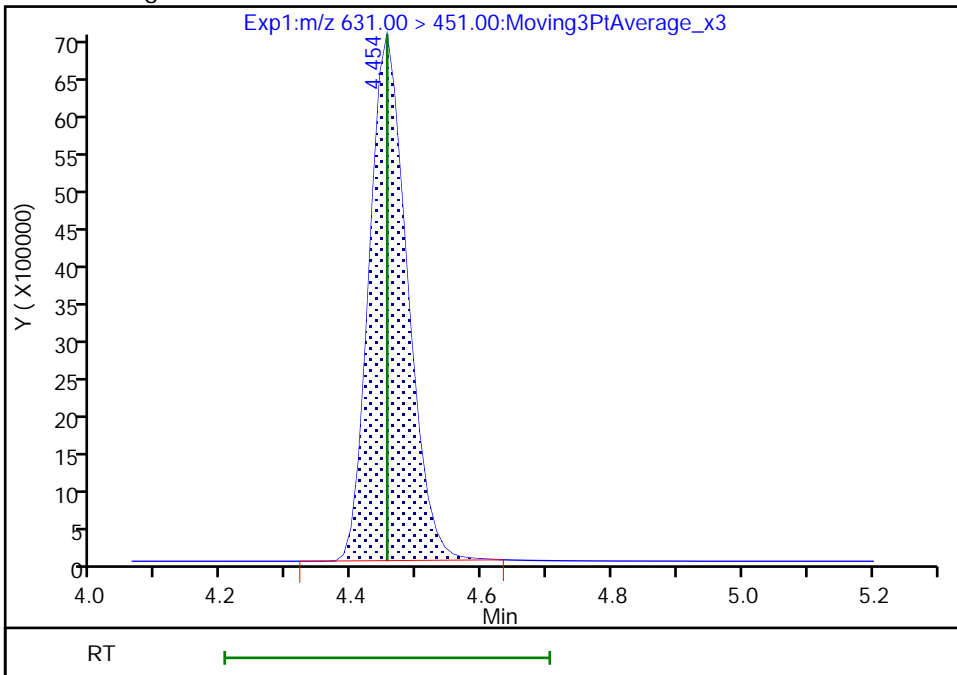
RT: 4.45
Area: 28876632
Amount: 8.059383
Amount Units: ng/ml

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

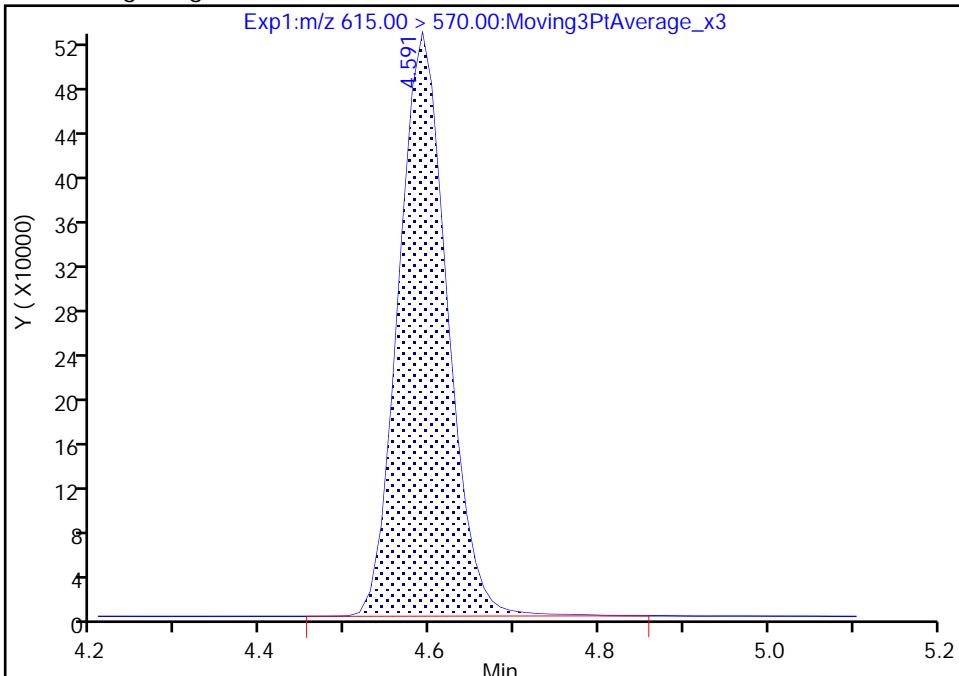
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 36 13C2 PFD_oA, CAS: STL00998

Signal: 1

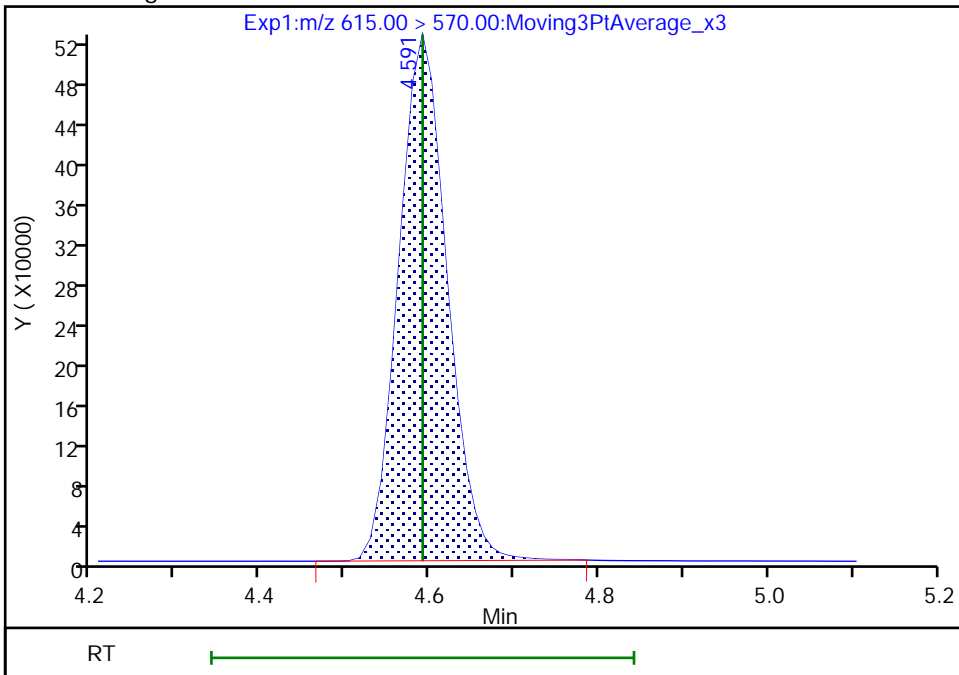
RT: 4.59
Area: 2112236
Amount: 1.319398
Amount Units: ng/ml

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

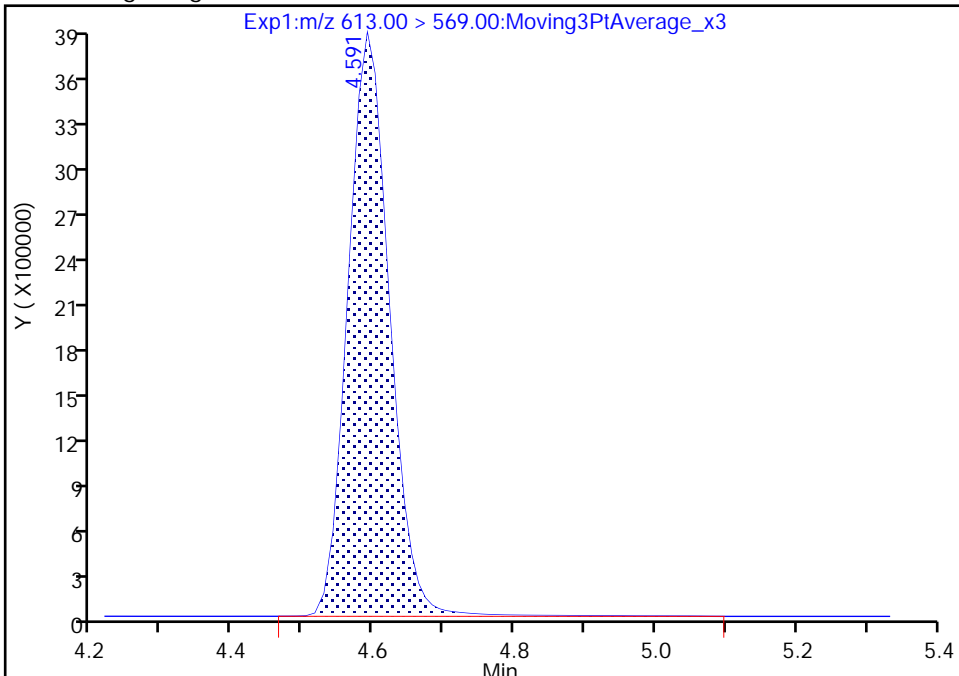
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

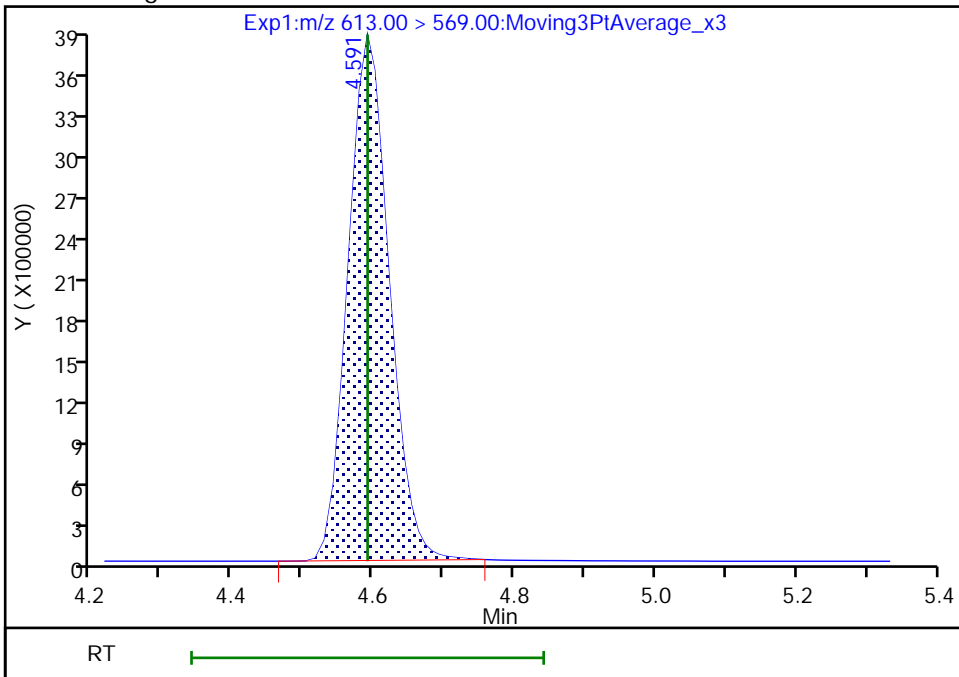
RT: 4.59
Area: 15795102
Amount: 8.813020
Amount Units: ng/ml

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

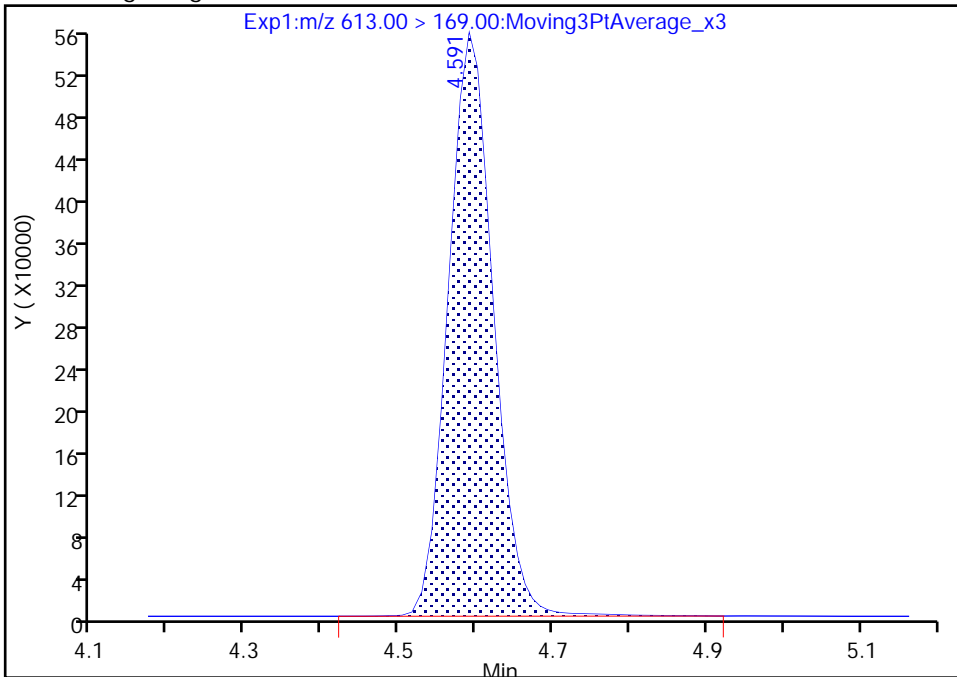
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

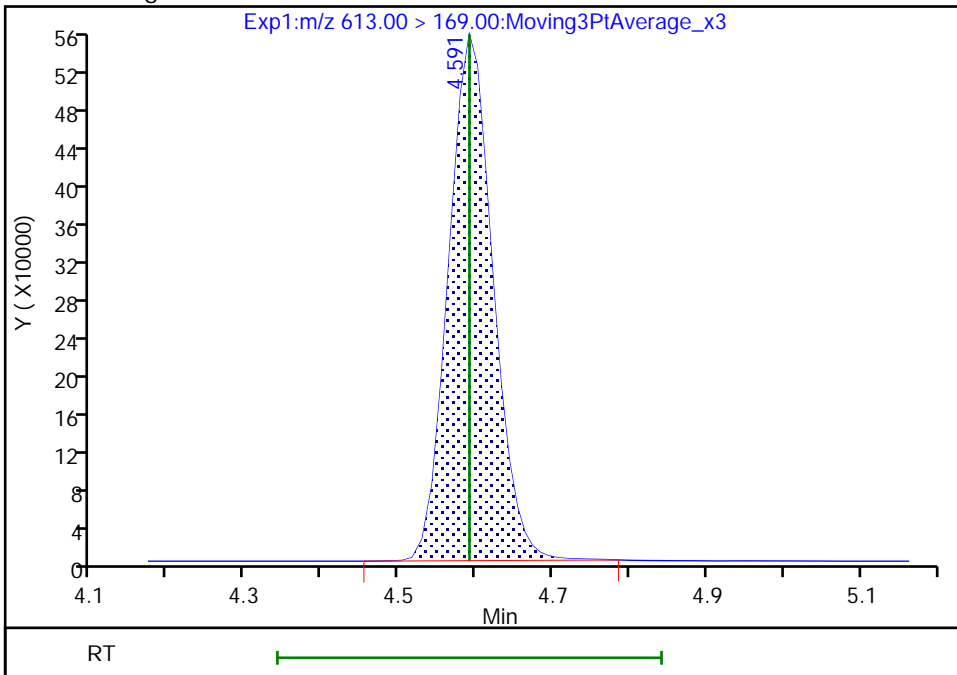
RT: 4.59
Area: 2239668
Amount: 8.813020
Amount Units: ng/ml

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
Page 398 of 939

Eurofins Burlington

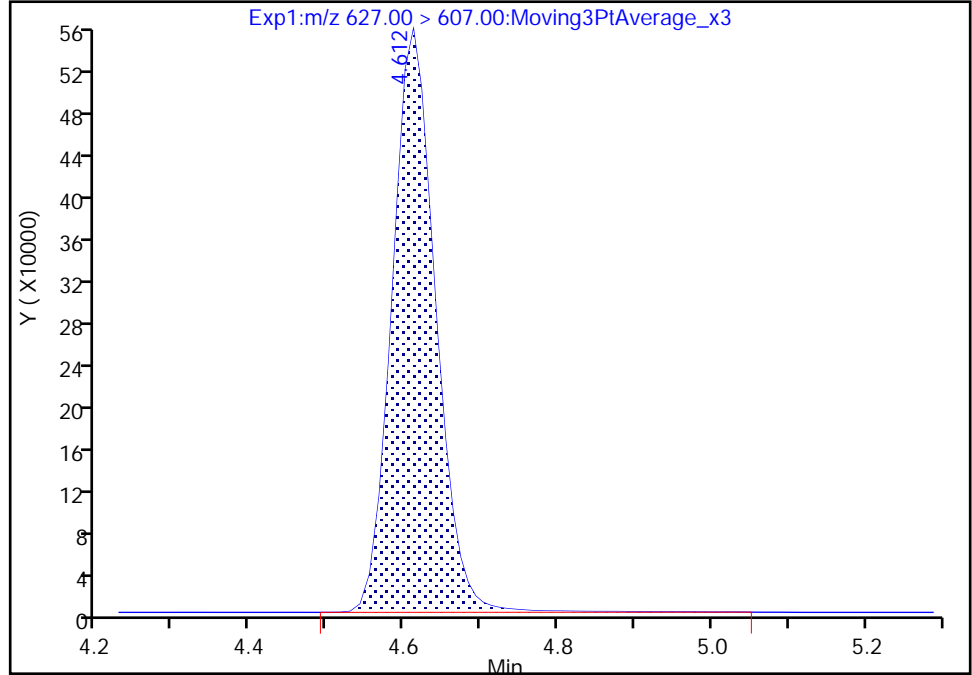
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

74 1H,1H,2H,2H-perfluorododecanesul, CAS: 120226-60-0

Signal: 1

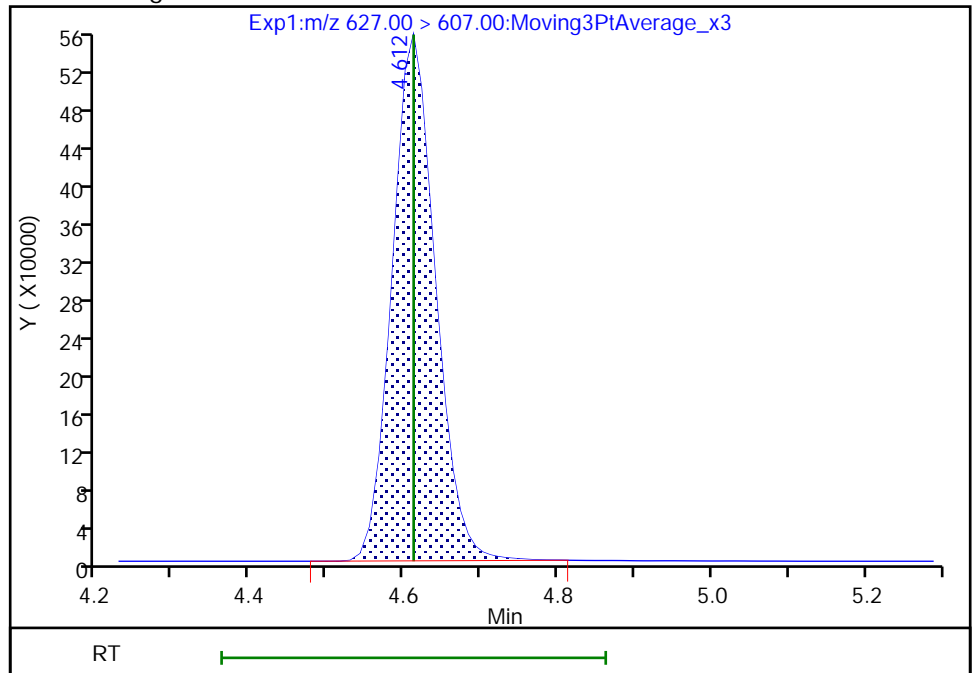
RT: 4.61
Area: 2155044
Amount: 9.567795
Amount Units: ng/ml

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

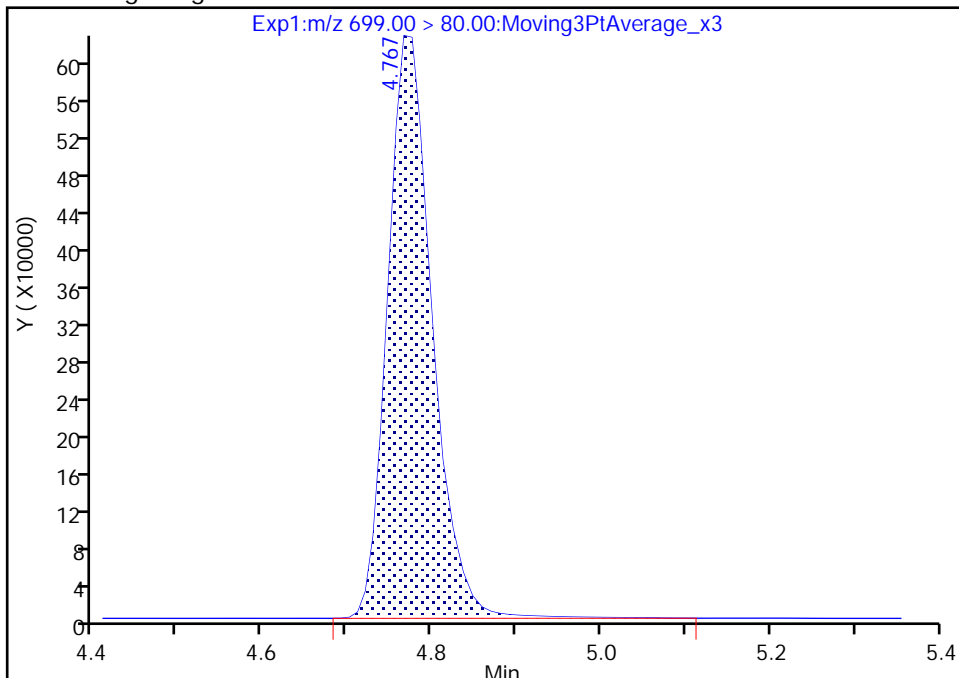
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

75 Perfluorododecanesulfonic acid (, CAS: 79780-39-5

Signal: 1

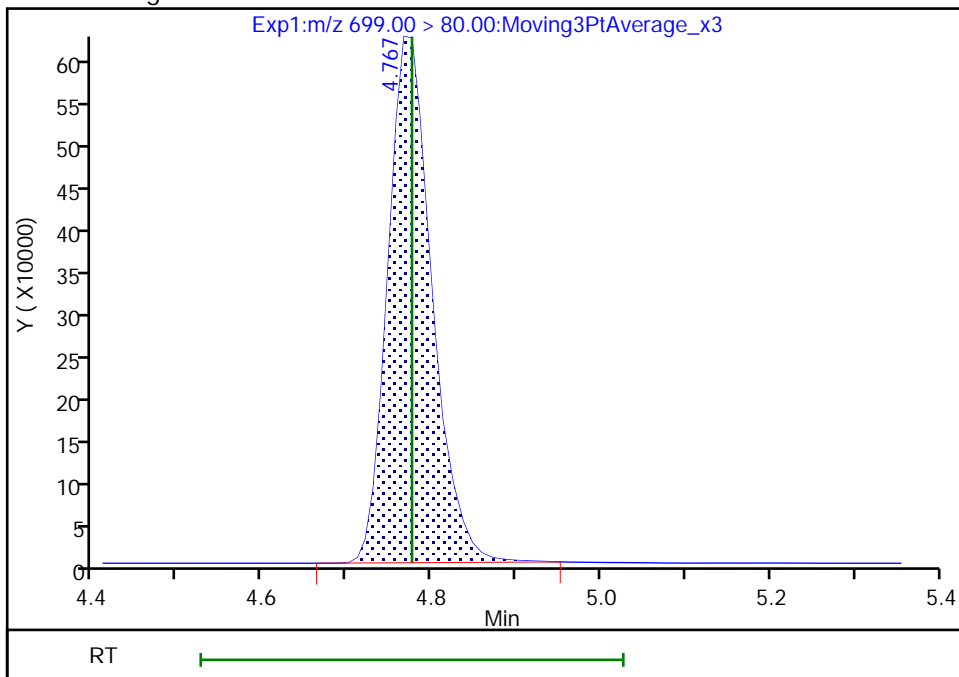
RT: 4.77
Area: 2276652
Amount: 8.916859
Amount Units: ng/ml

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

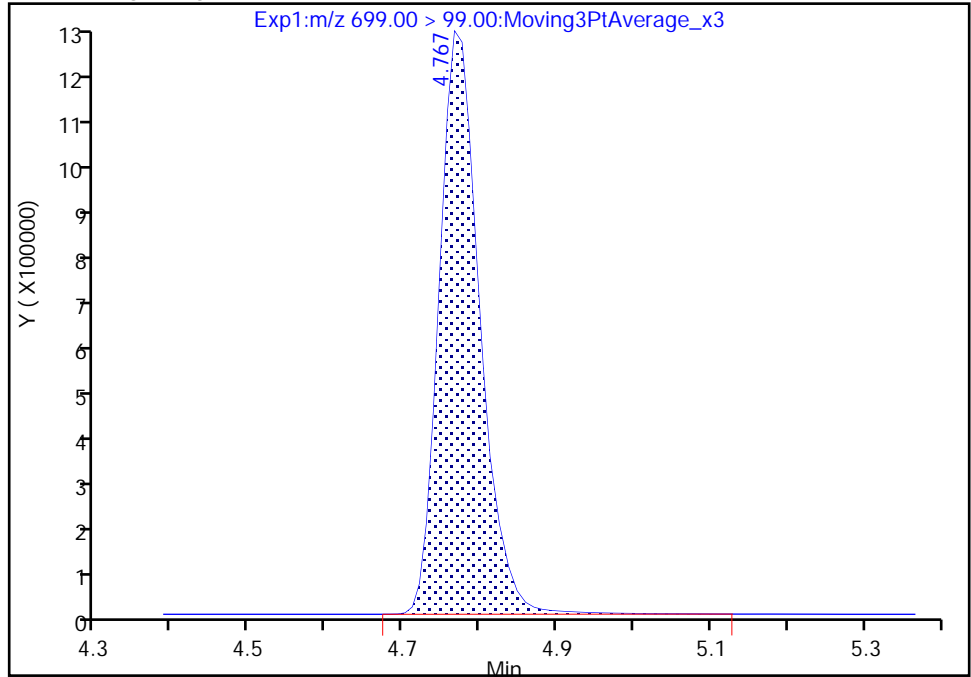
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

75 Perfluorododecanesulfonic acid (, CAS: 79780-39-5

Signal: 2

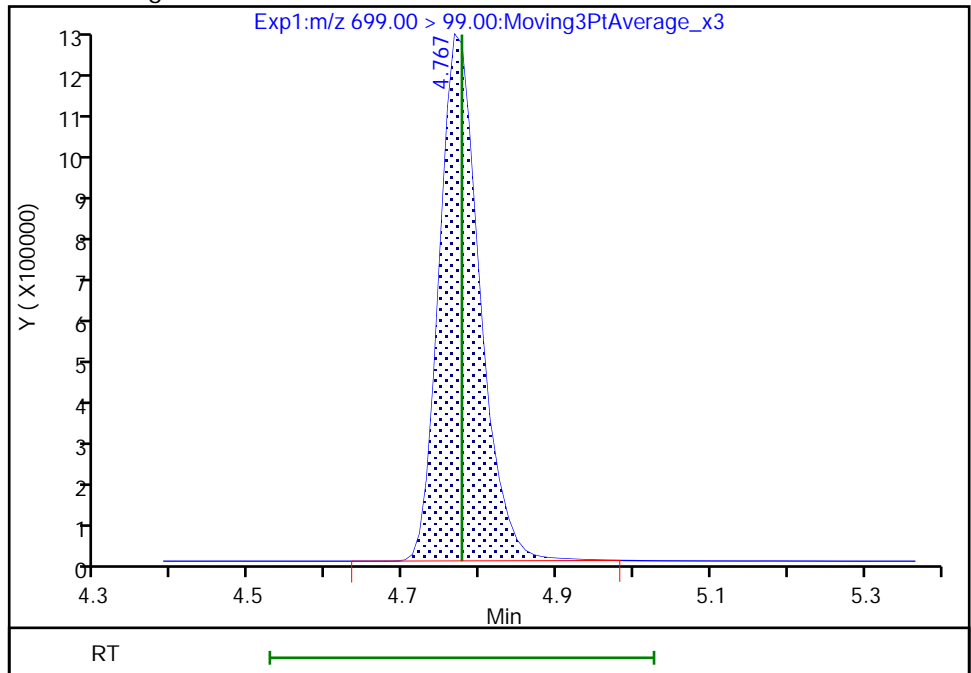
RT: 4.77
Area: 4551960
Amount: 8.916859
Amount Units: ng/ml

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

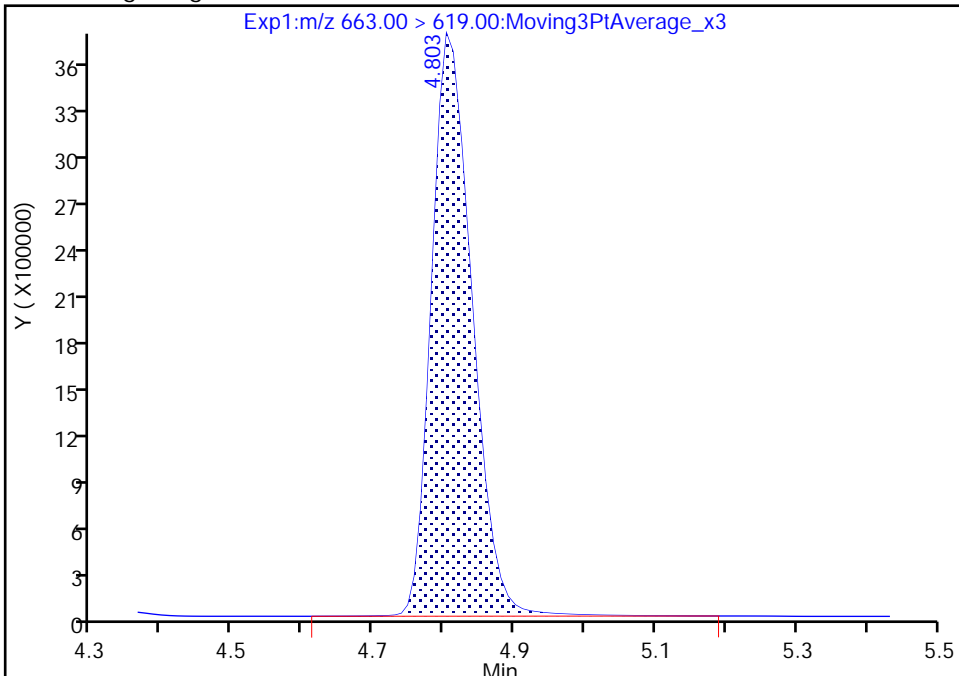
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

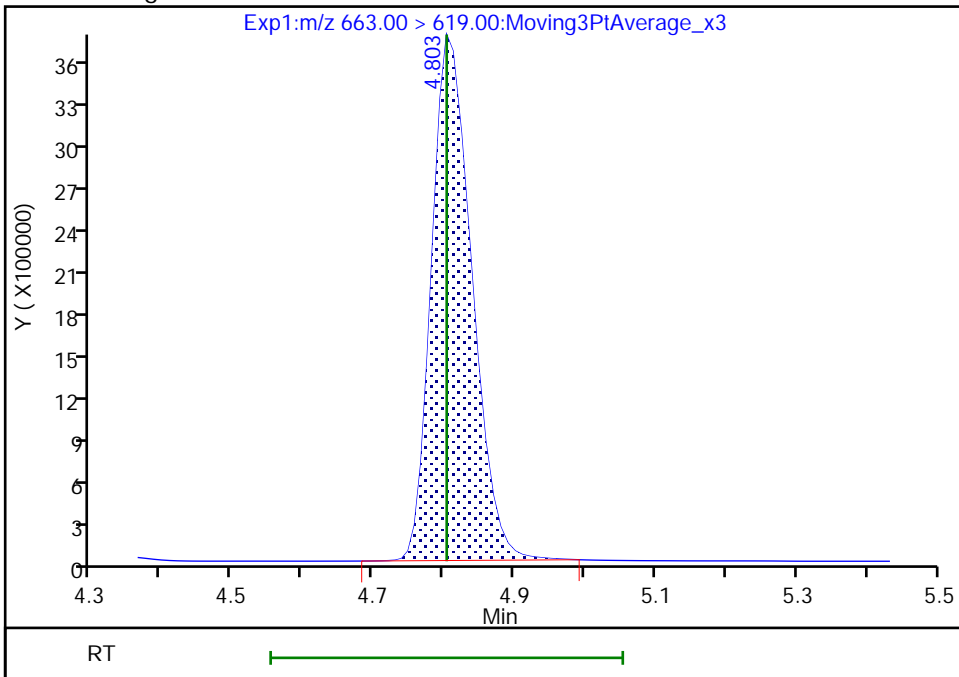
RT: 4.80
Area: 14874509
Amount: 8.712617
Amount Units: ng/ml

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

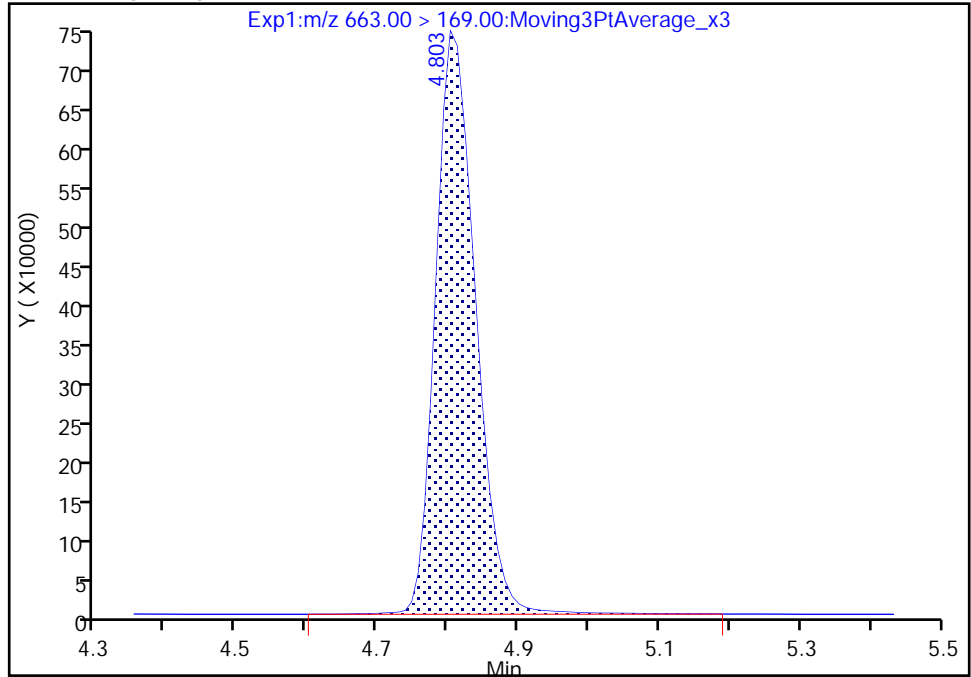
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

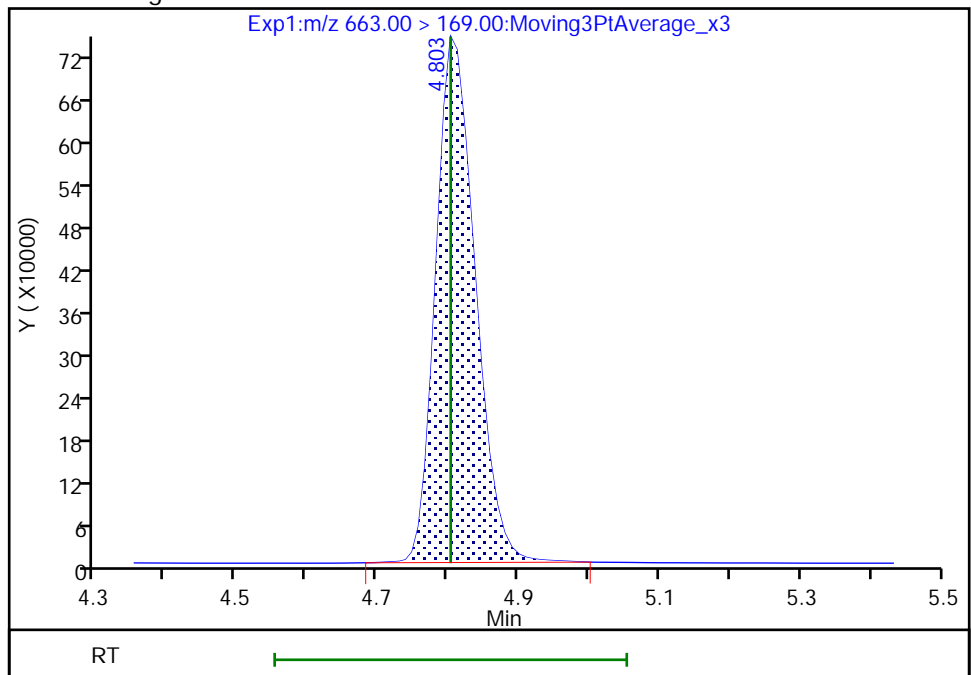
RT: 4.80
Area: 2899959
Amount: 8.712617
Amount Units: ng/ml

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

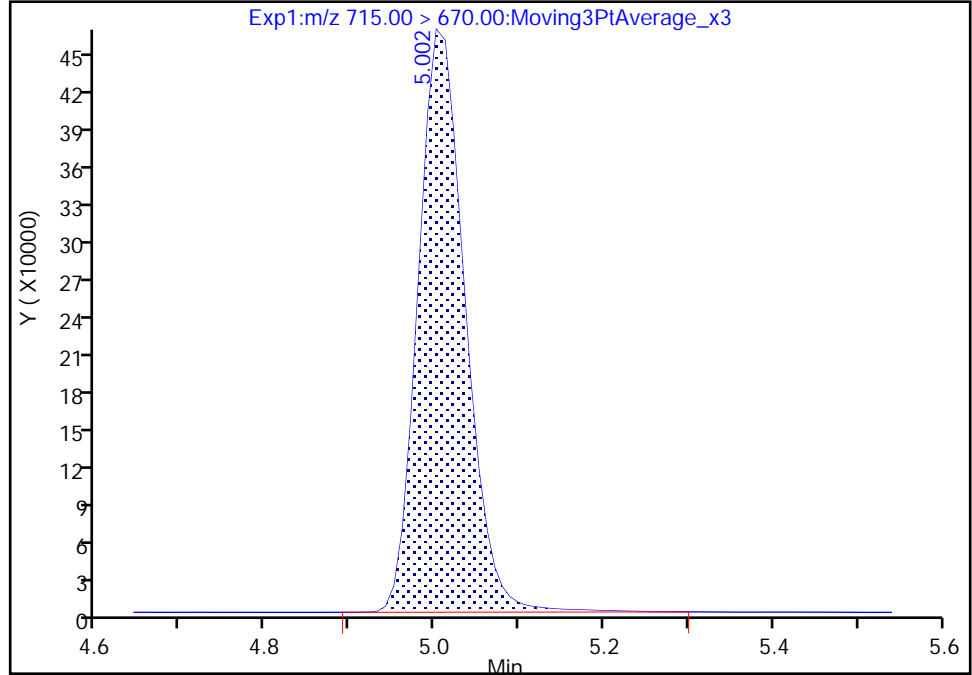
Eurofins Burlington

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

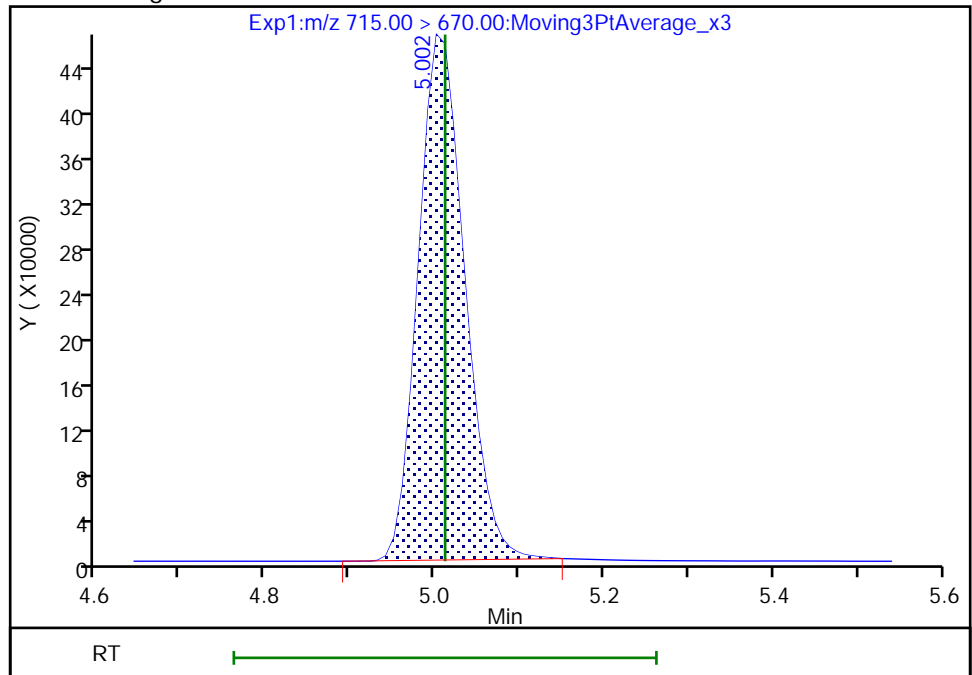
RT: 5.00
Area: 1805771
Amount: 1.302148
Amount Units: ng/ml

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

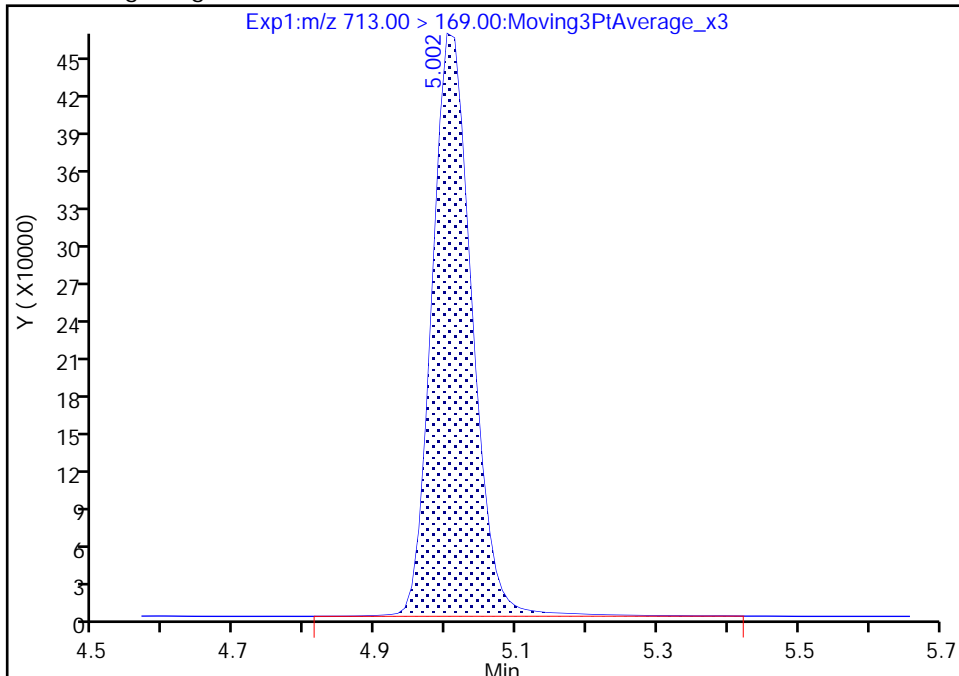
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

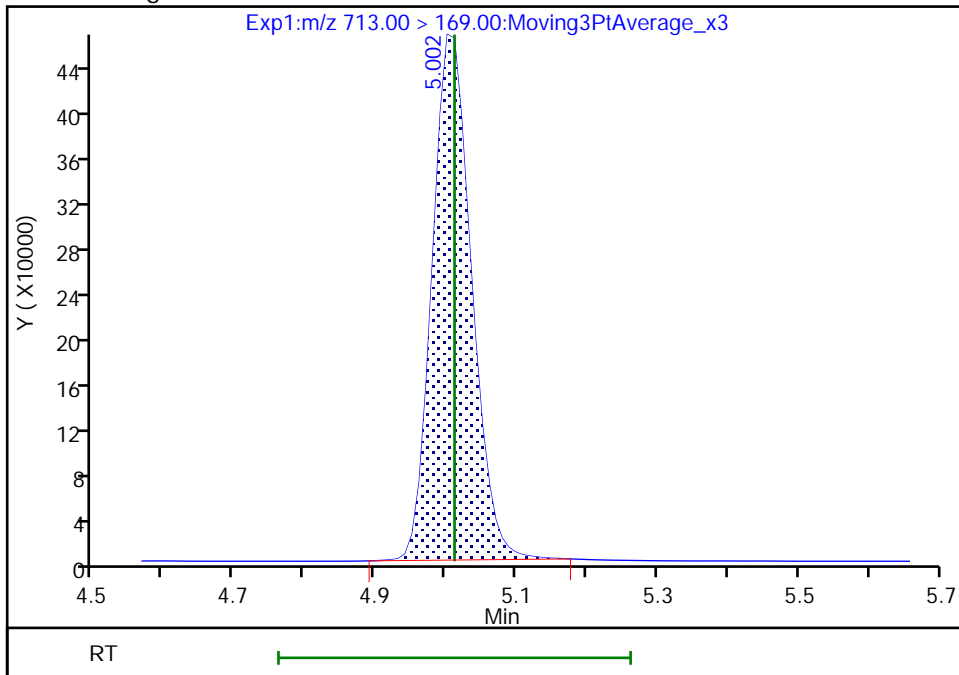
RT: 5.00
Area: 1841113
Amount: 9.306273
Amount Units: ng/ml

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

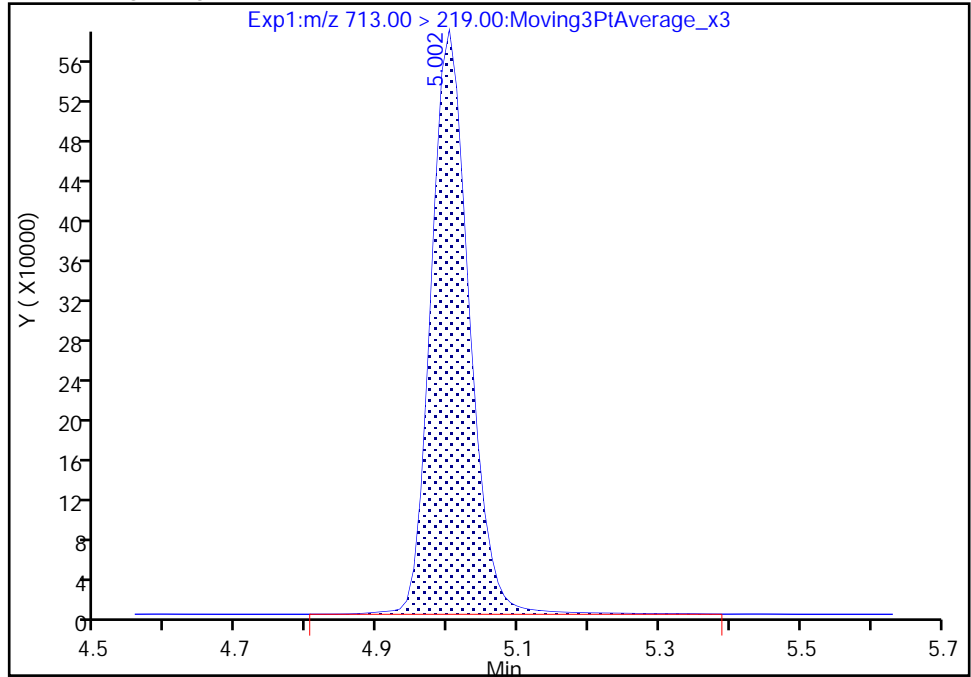
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

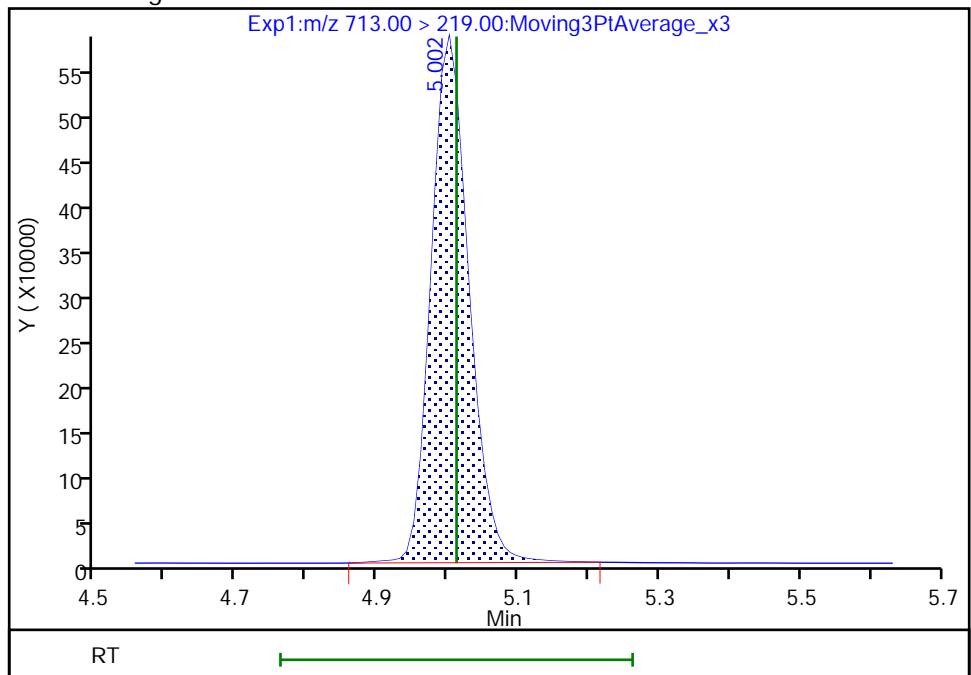
RT: 5.00
Area: 2174723
Amount: 9.306273
Amount Units: ng/ml

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

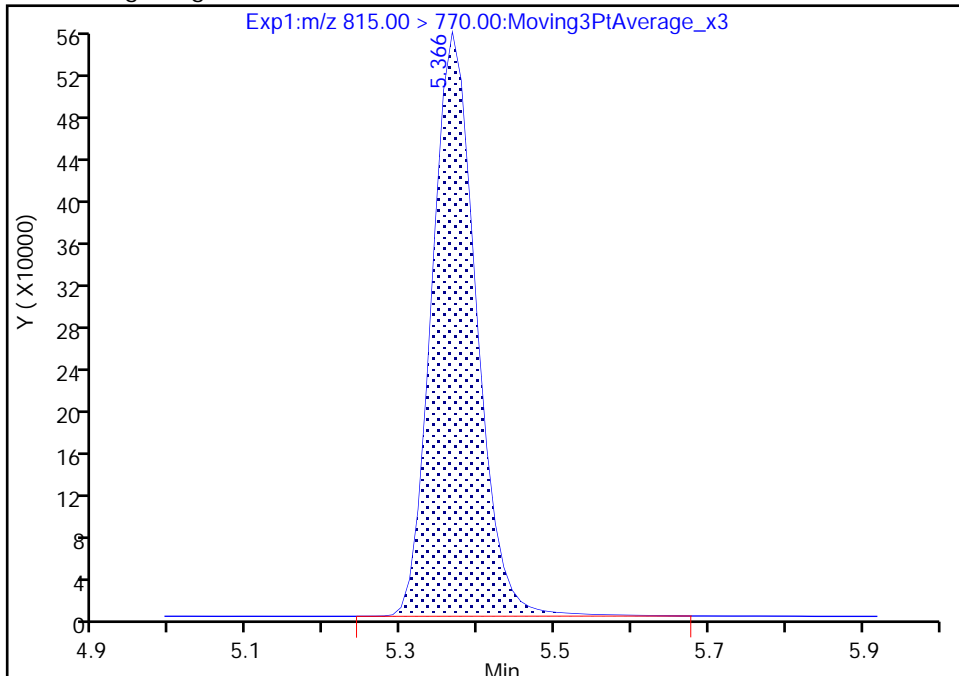
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

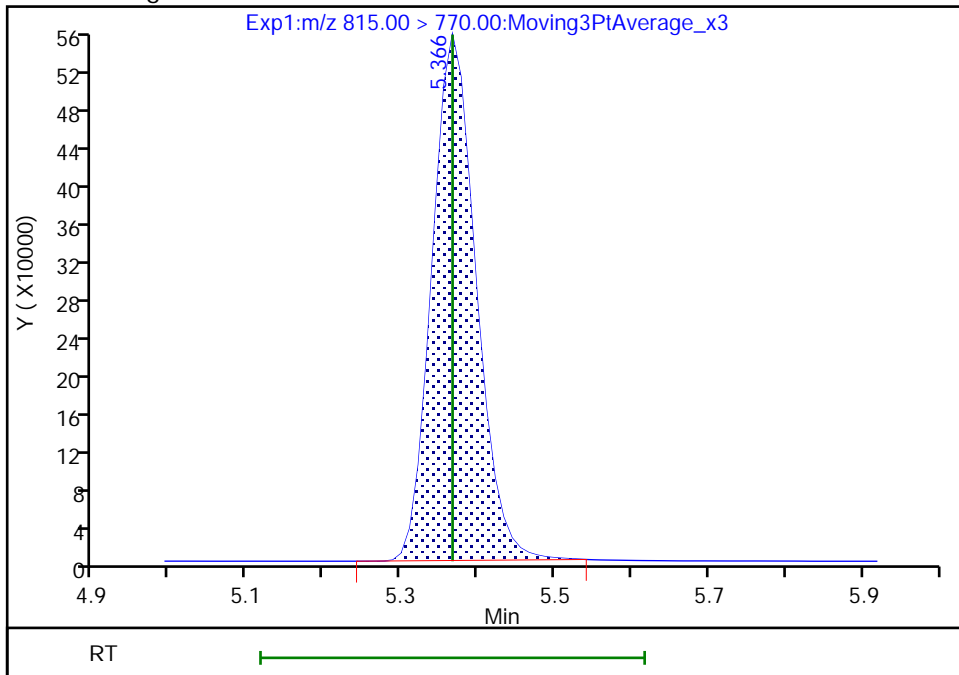
RT: 5.37
Area: 2211108
Amount: 1.290675
Amount Units: ng/ml

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

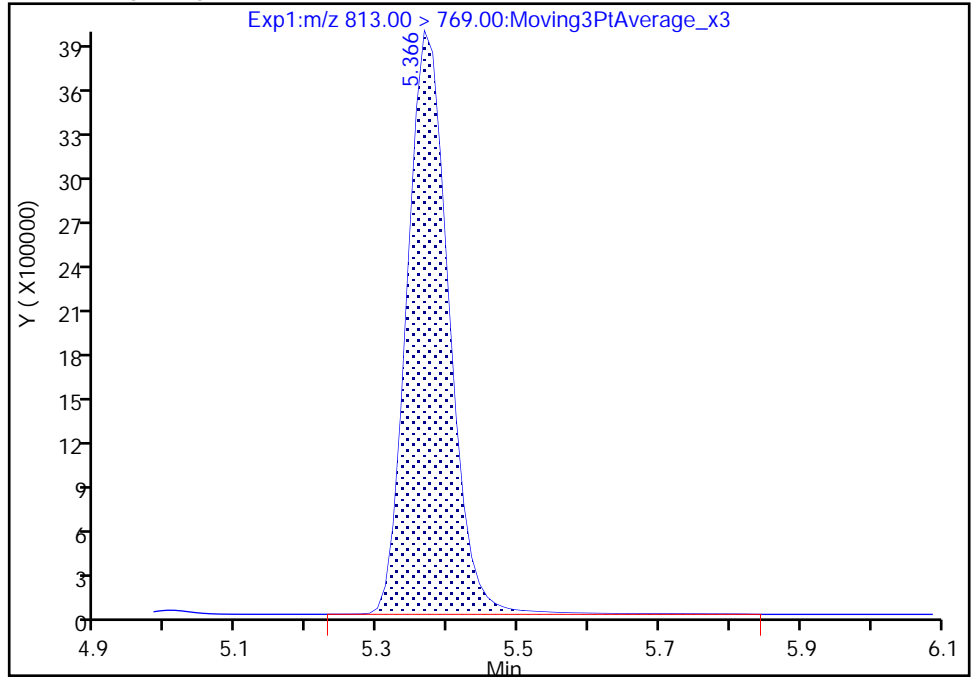
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

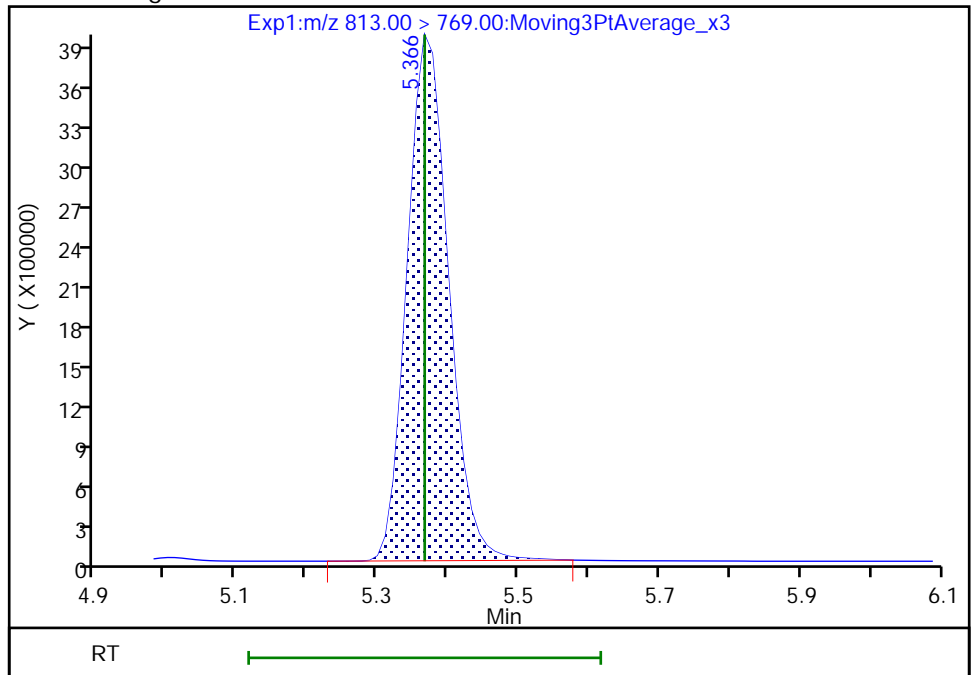
RT: 5.37
Area: 16305862
Amount: 10.008046
Amount Units: ng/ml

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

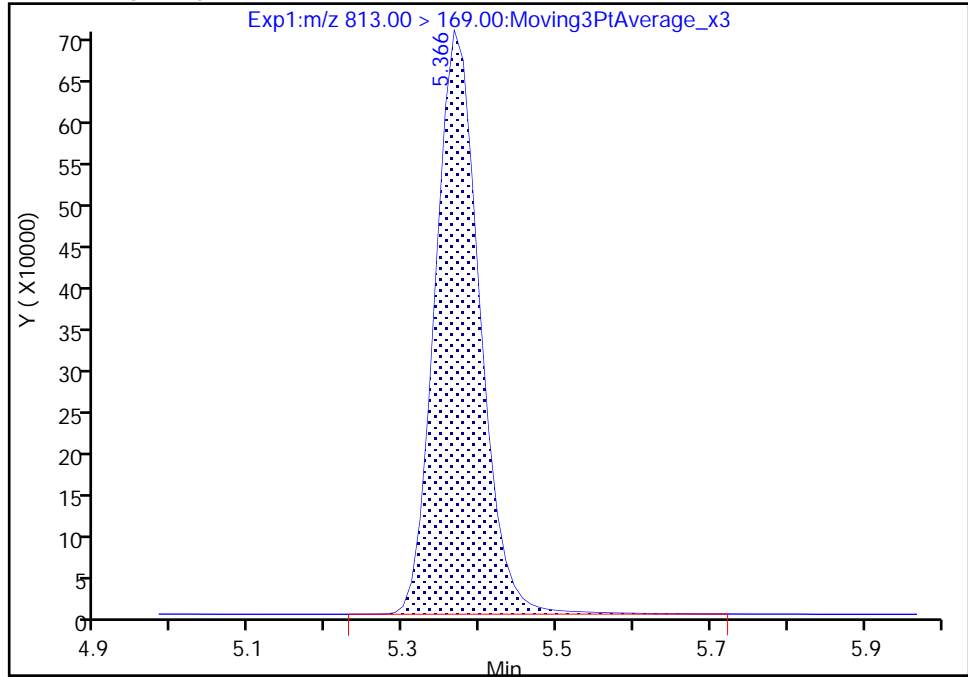
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

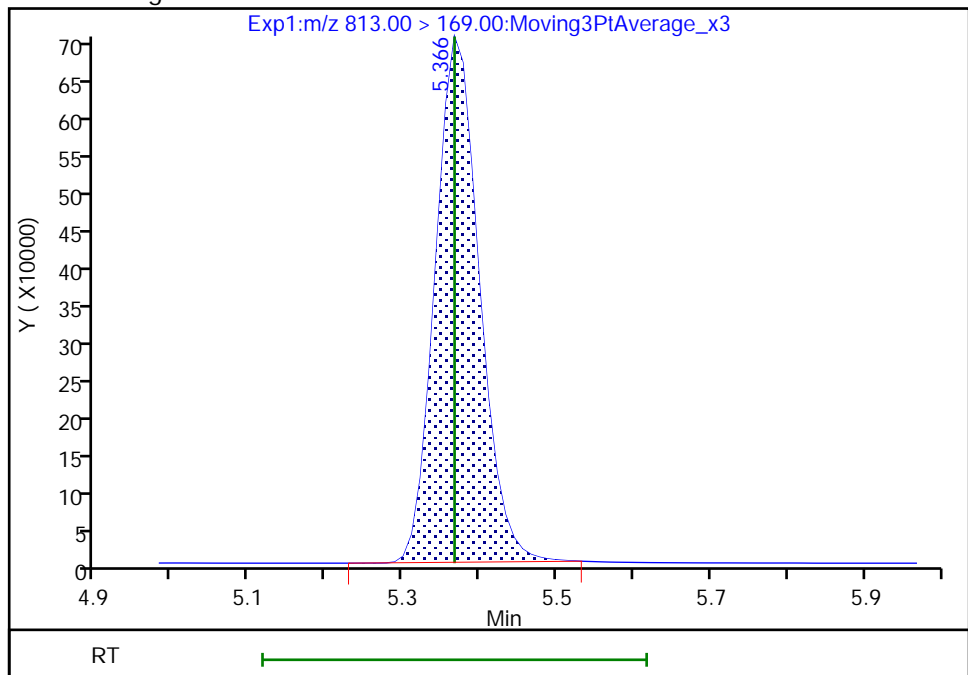
RT: 5.37
Area: 2835121
Amount: 10.008046
Amount Units: ng/ml

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

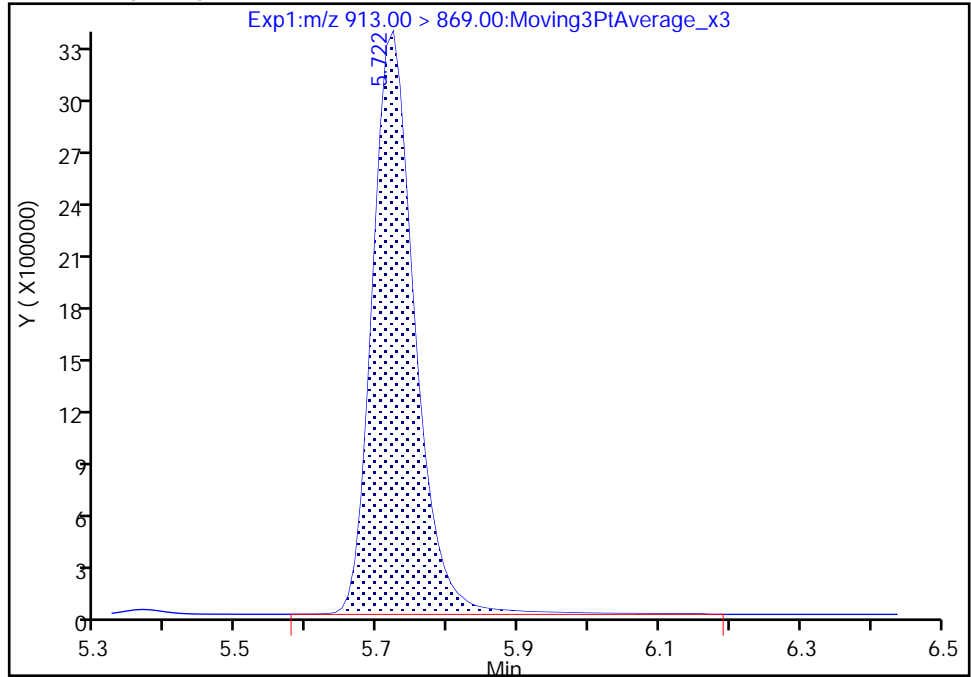
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

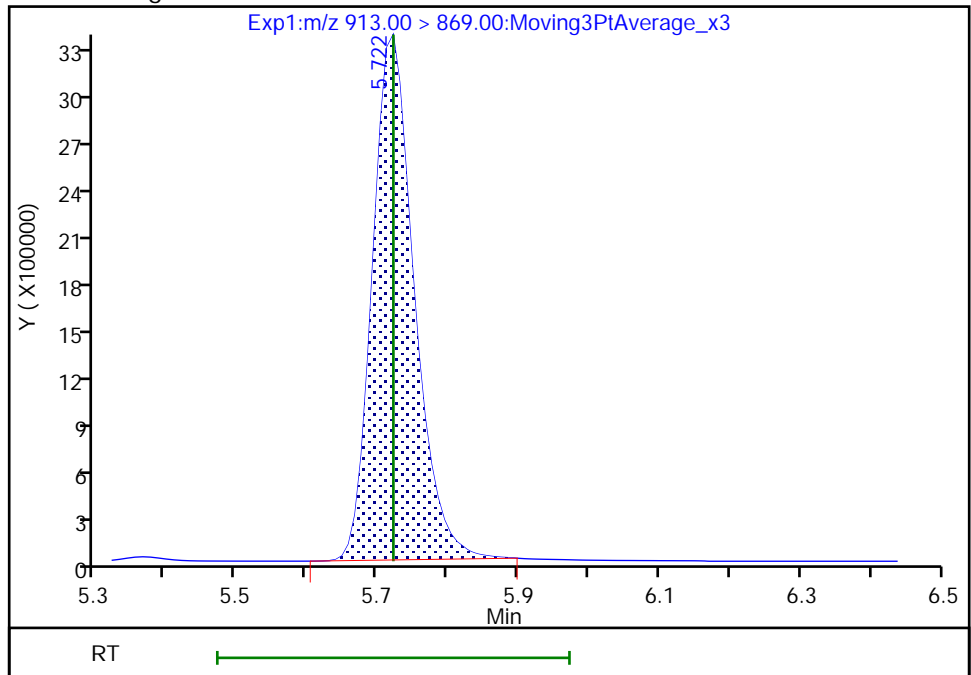
RT: 5.72
Area: 13908772
Amount: 9.598192
Amount Units: ng/ml

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

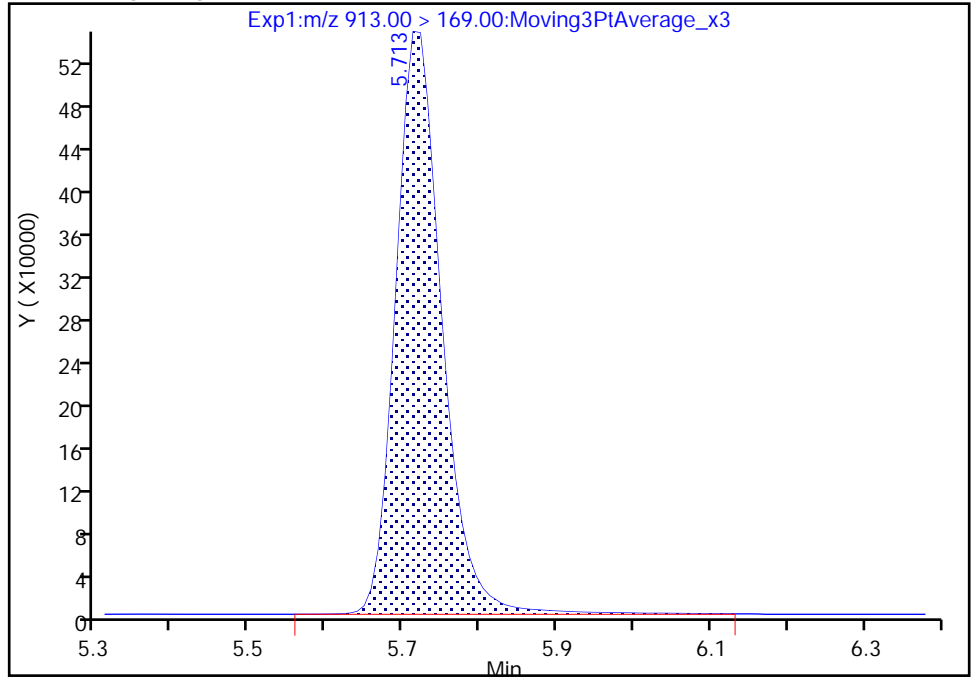
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

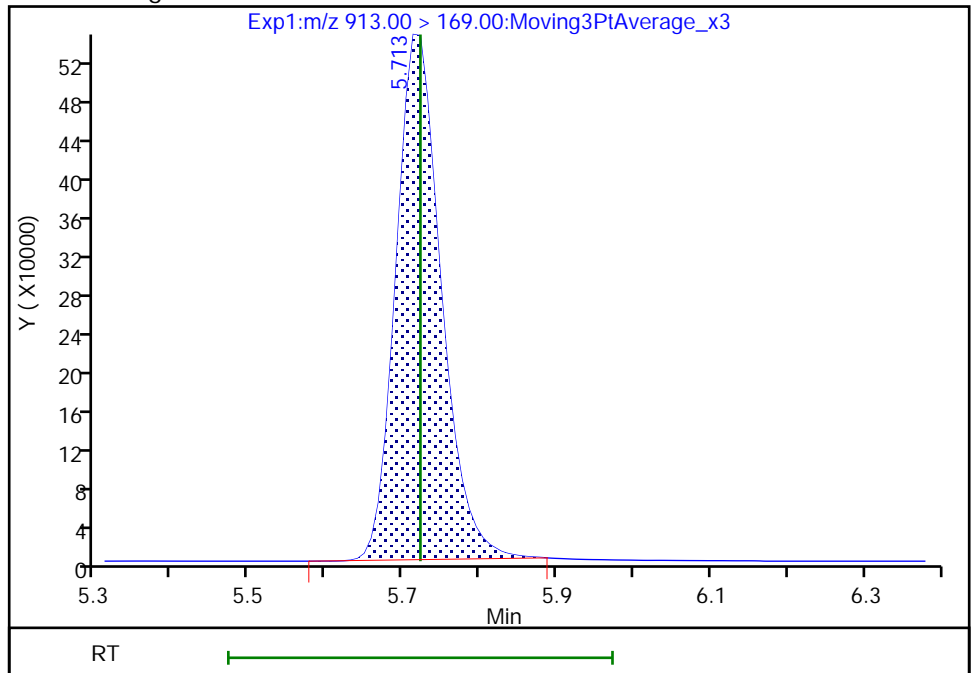
RT: 5.71
Area: 2271279
Amount: 9.598192
Amount Units: ng/ml

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

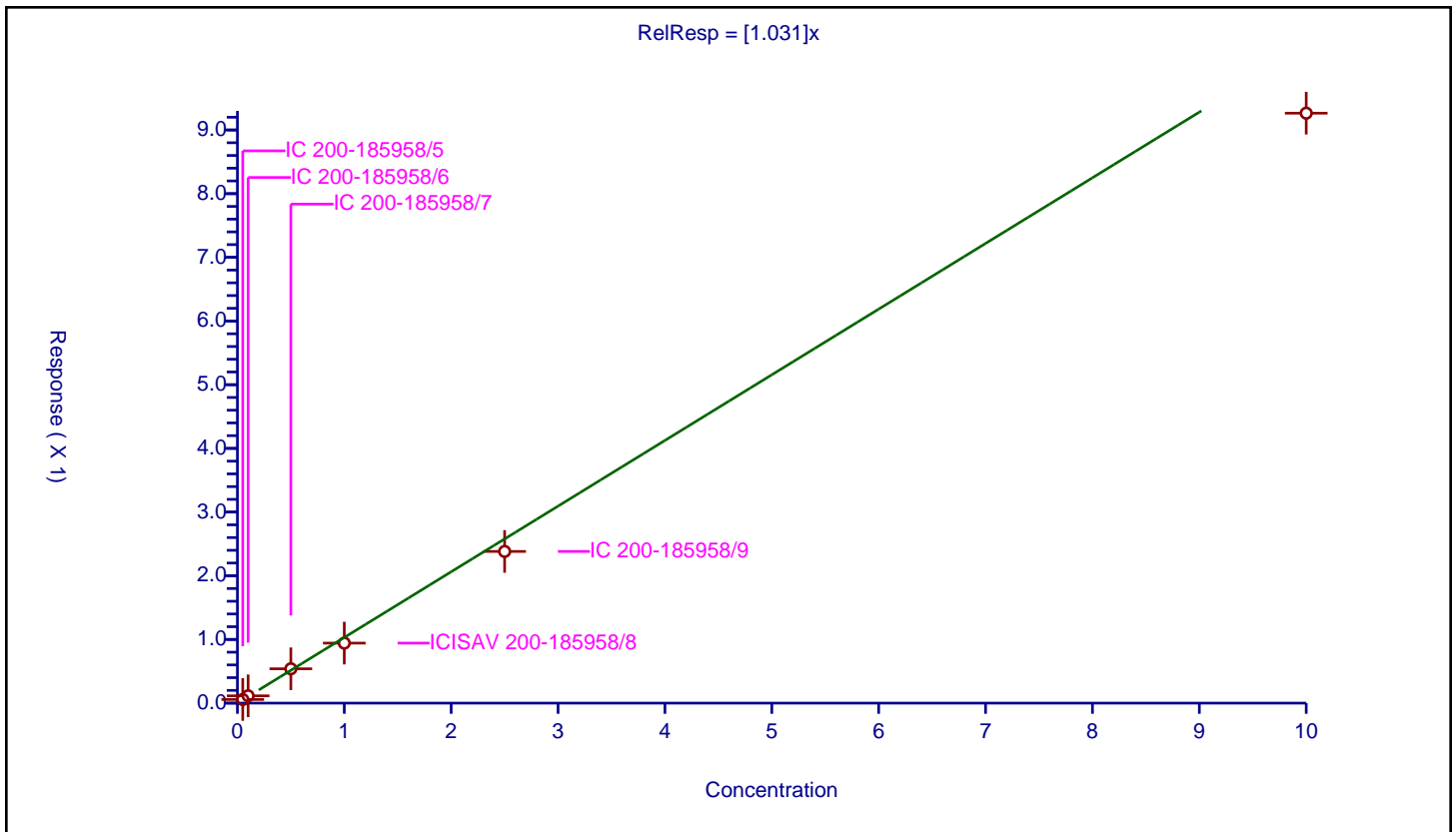
/ Perfluorobutanoic acid

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

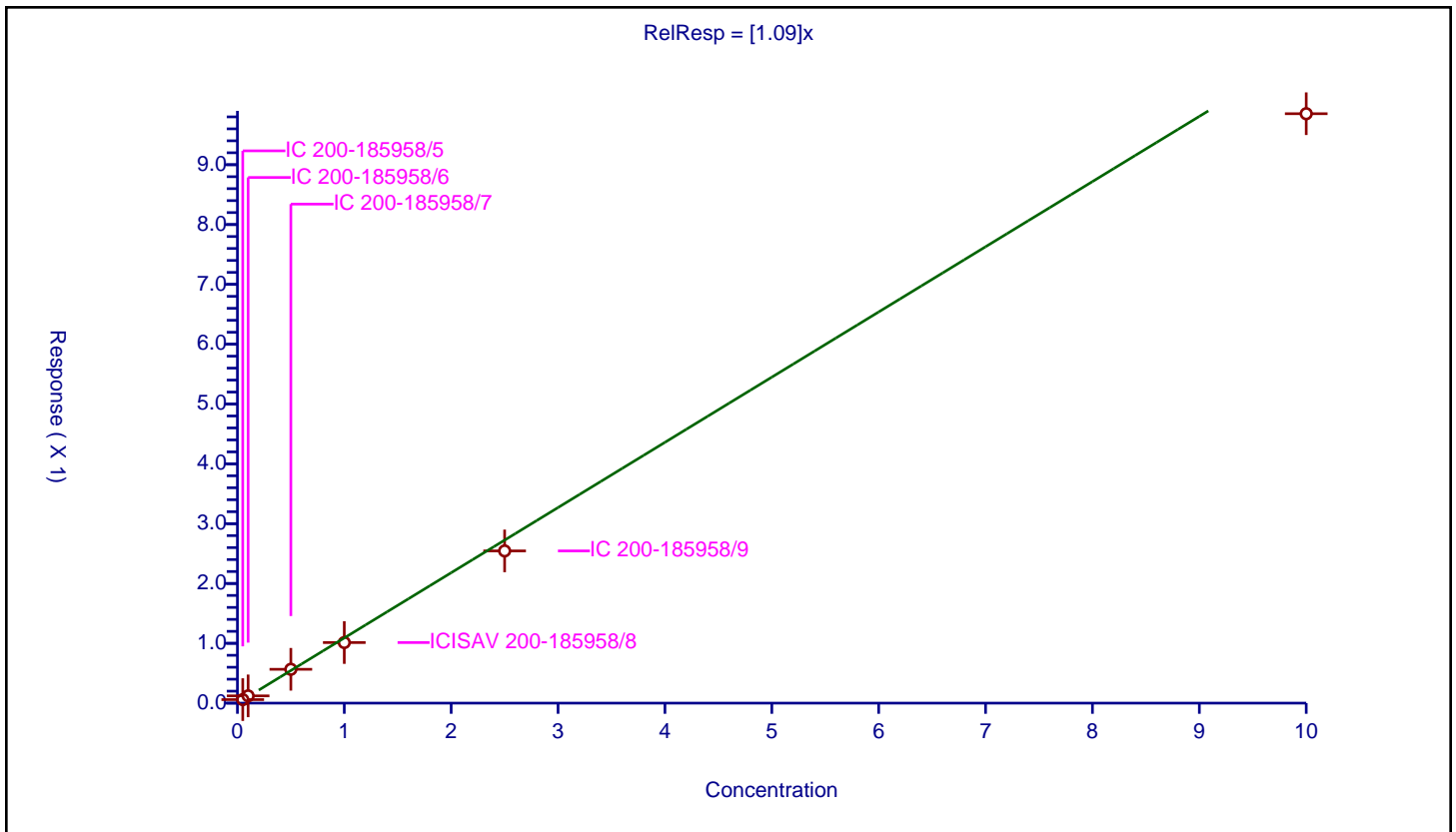
/ Perfluoropentanoic acid

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

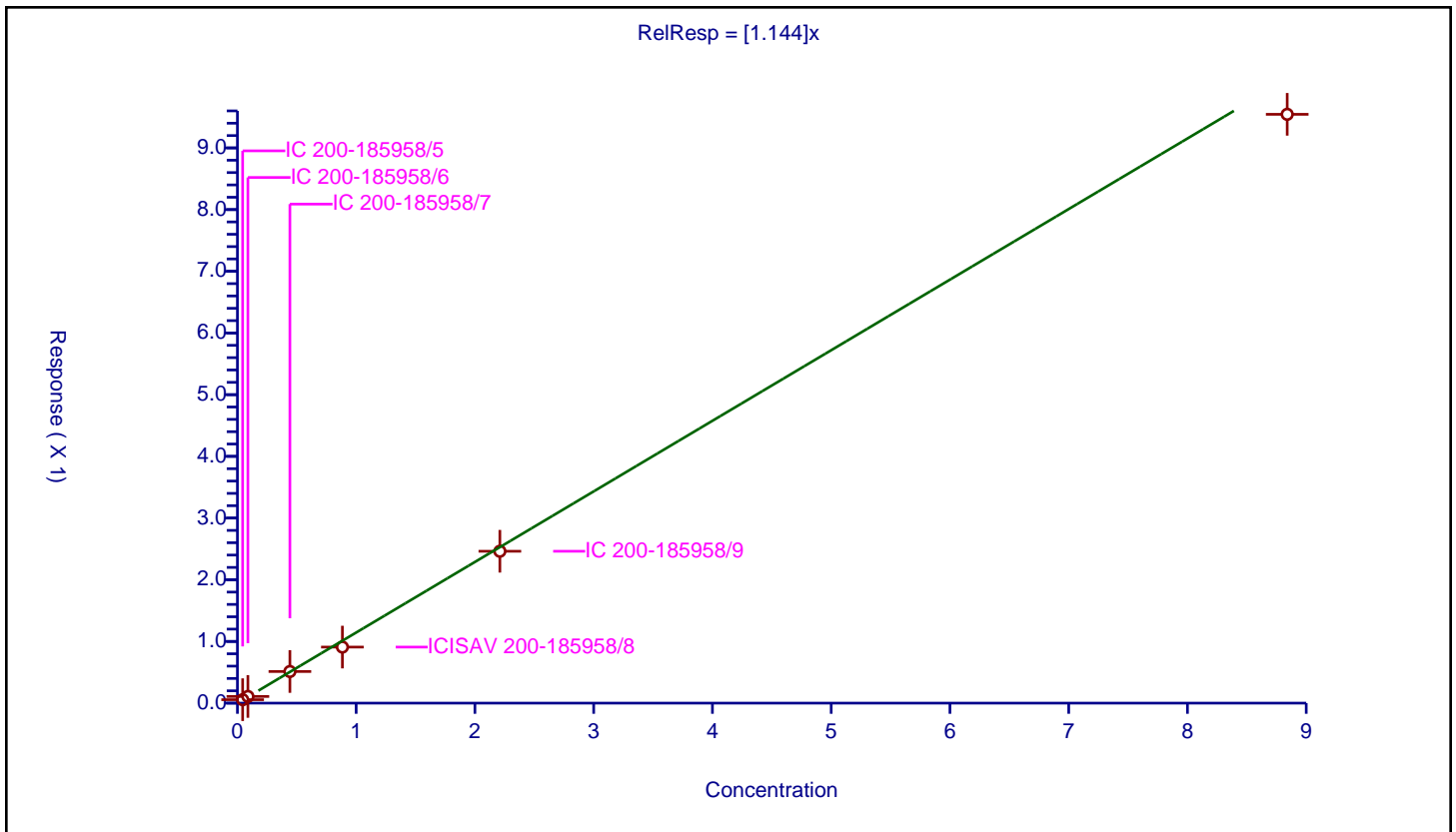
/ Perfluorobutanesulfonic acid

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

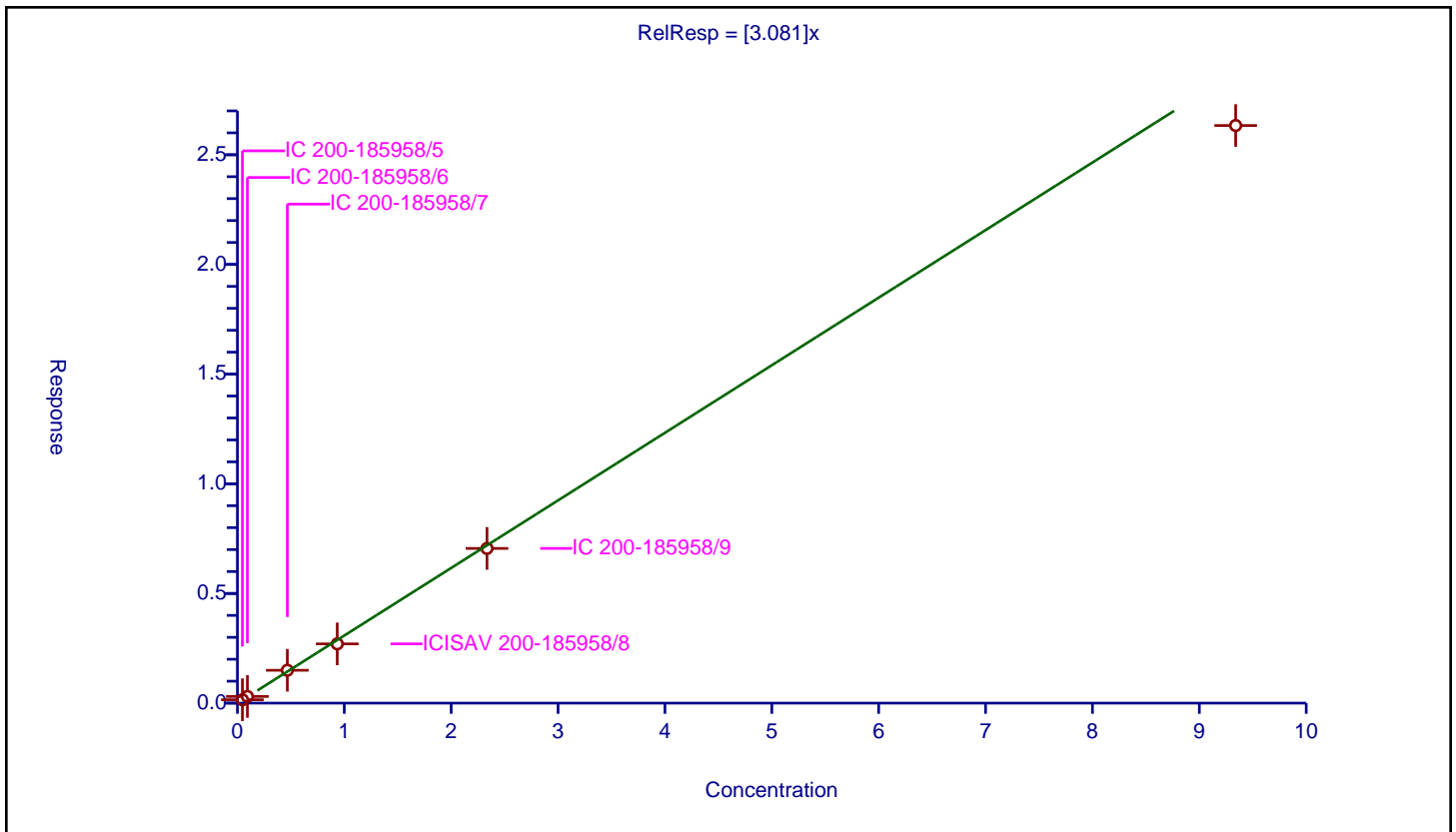
/ 1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)

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

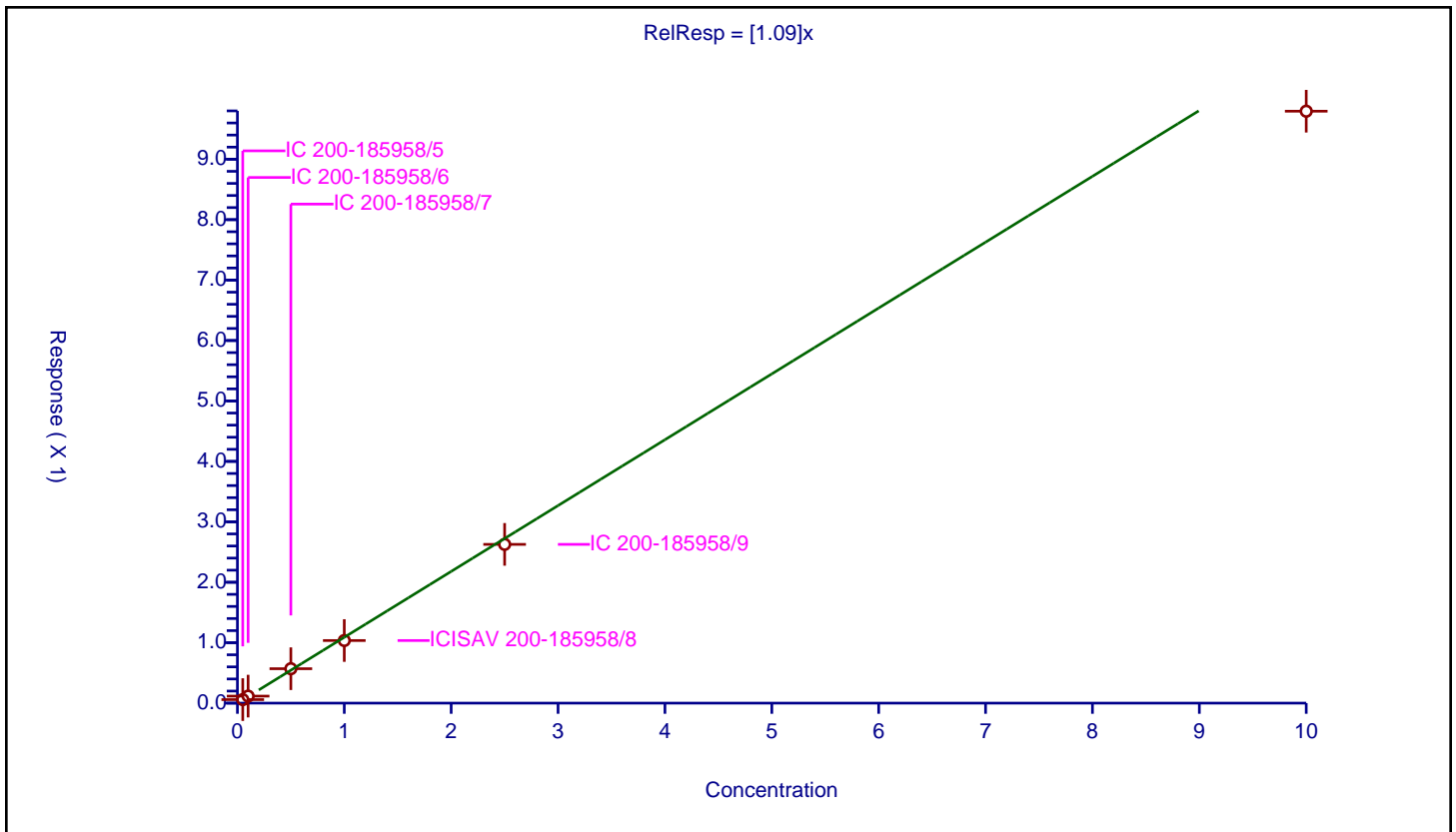
/ Perfluorohexanoic acid

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

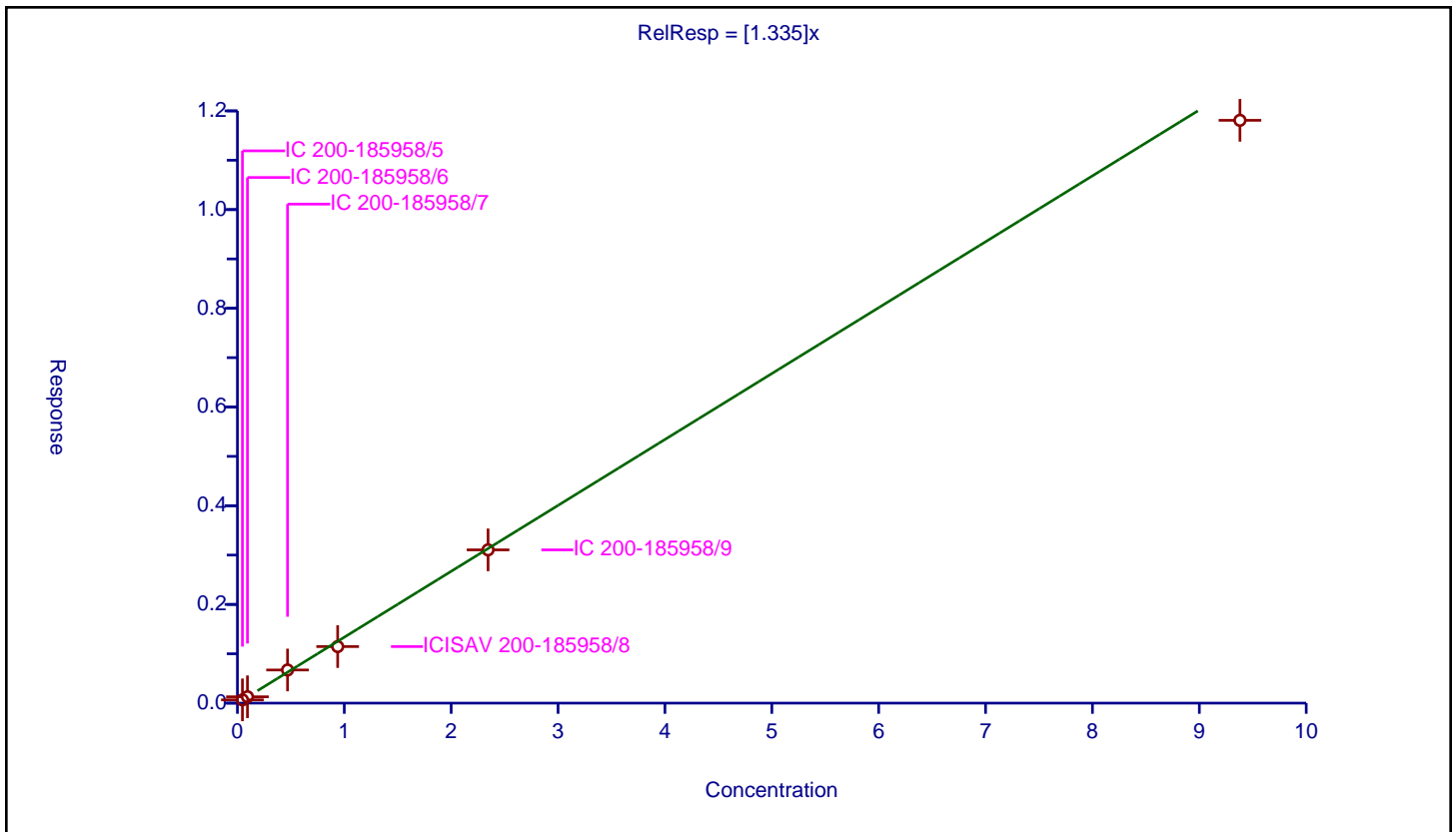
/ Perfluoropentanesulfonic acid

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

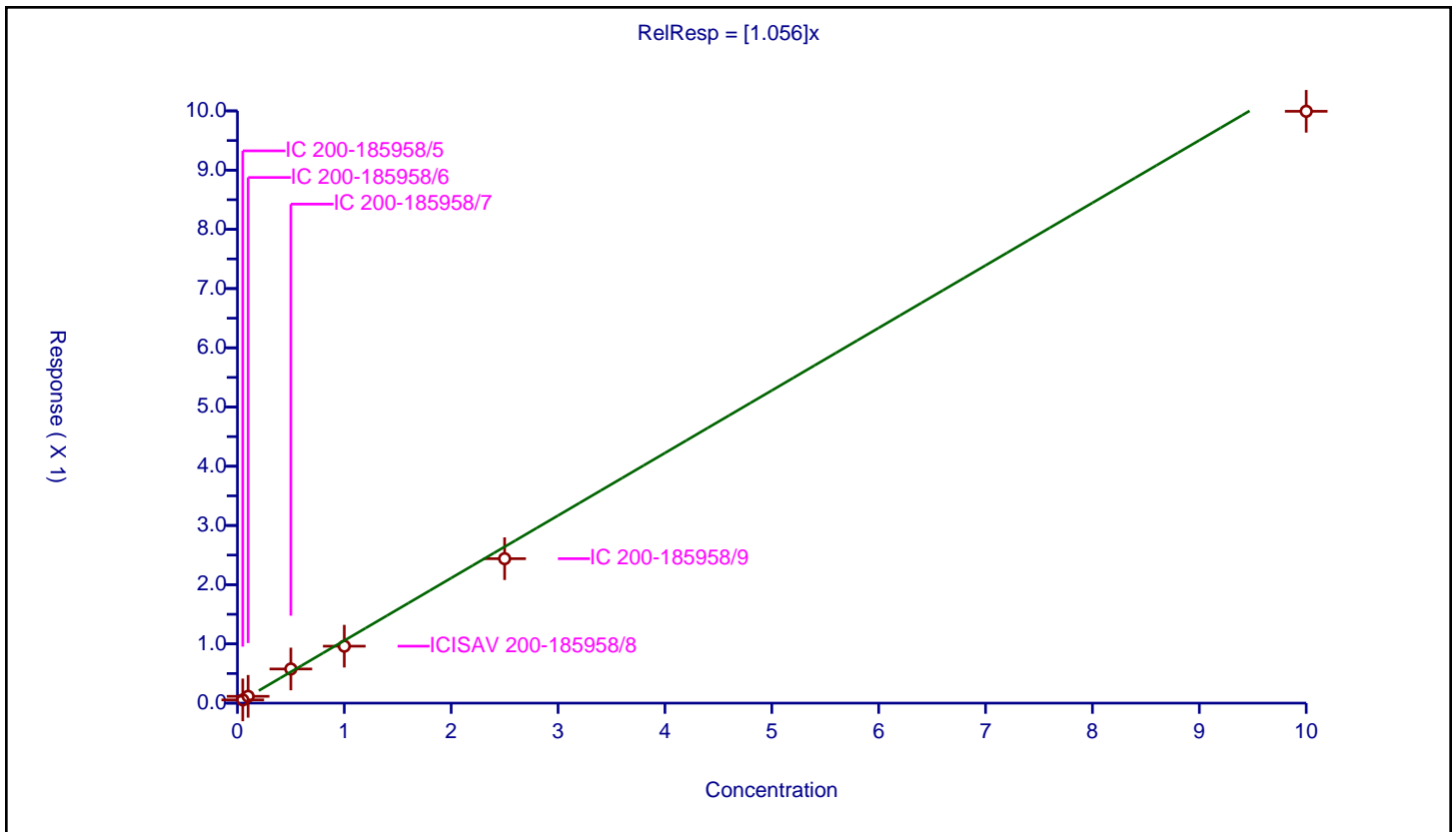
/ Perfluoro(2-propoxypropanoic) acid

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

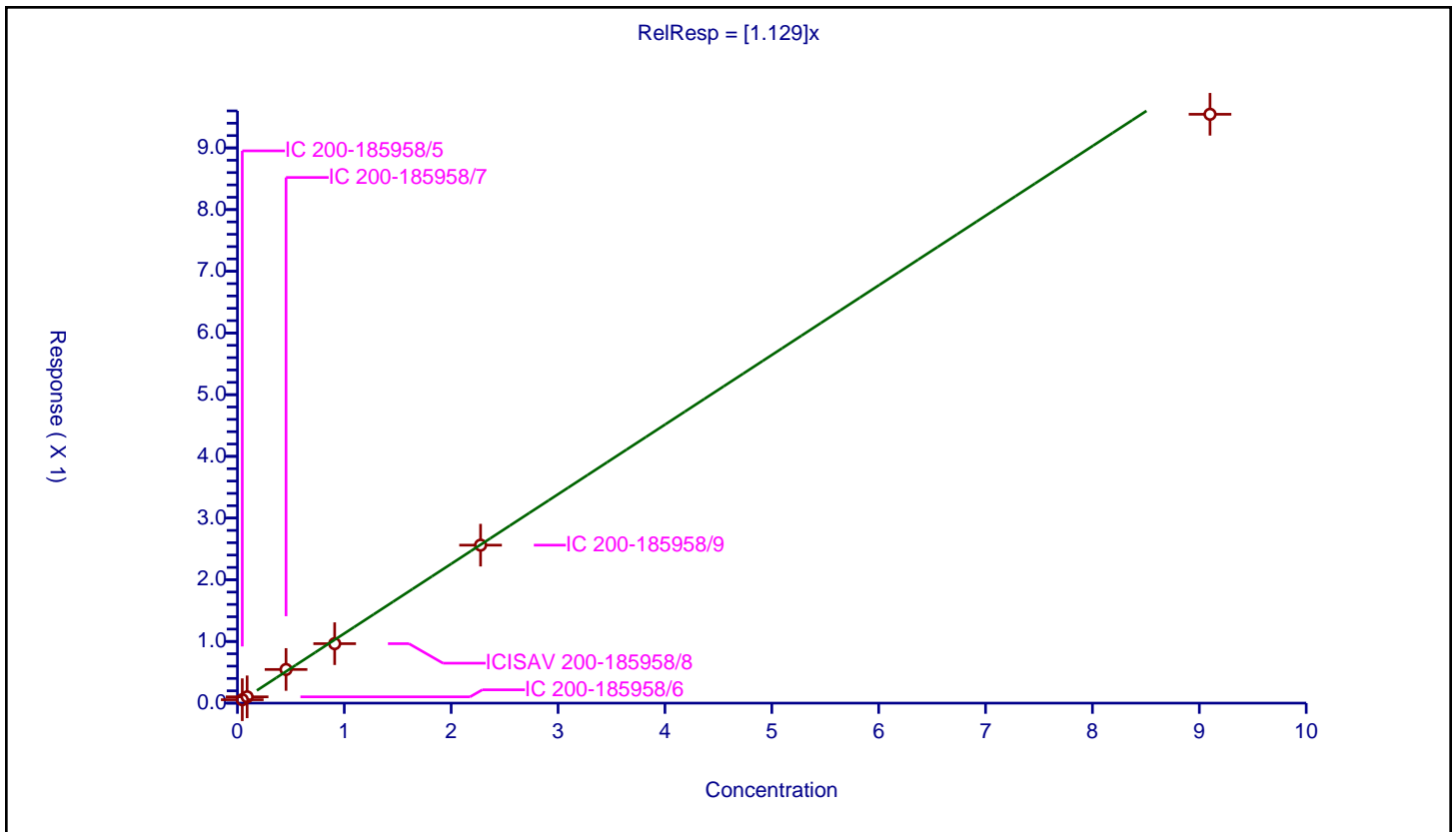
/ Perfluorohexanesulfonic acid

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

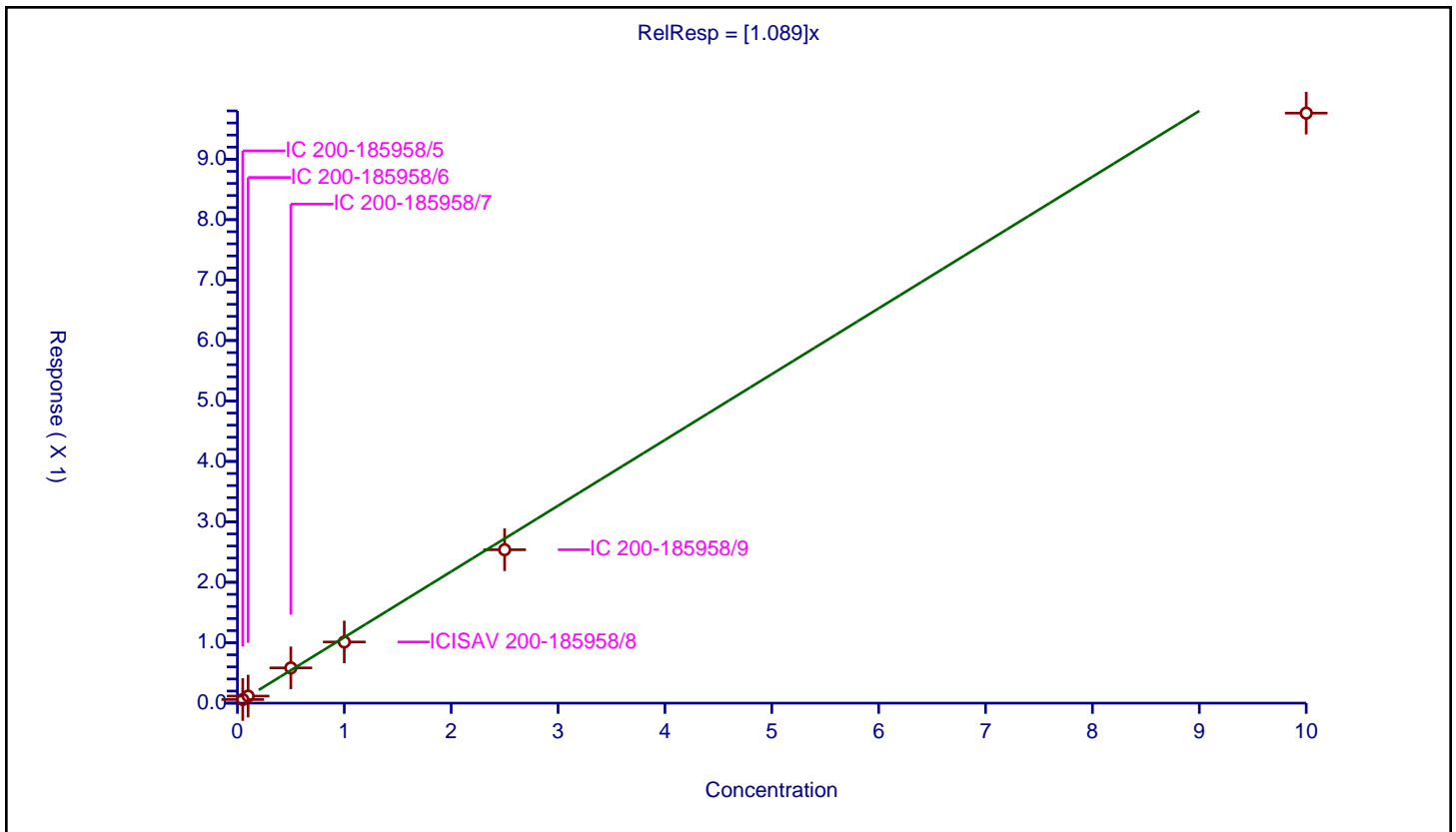
/ Perfluoroheptanoic acid

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

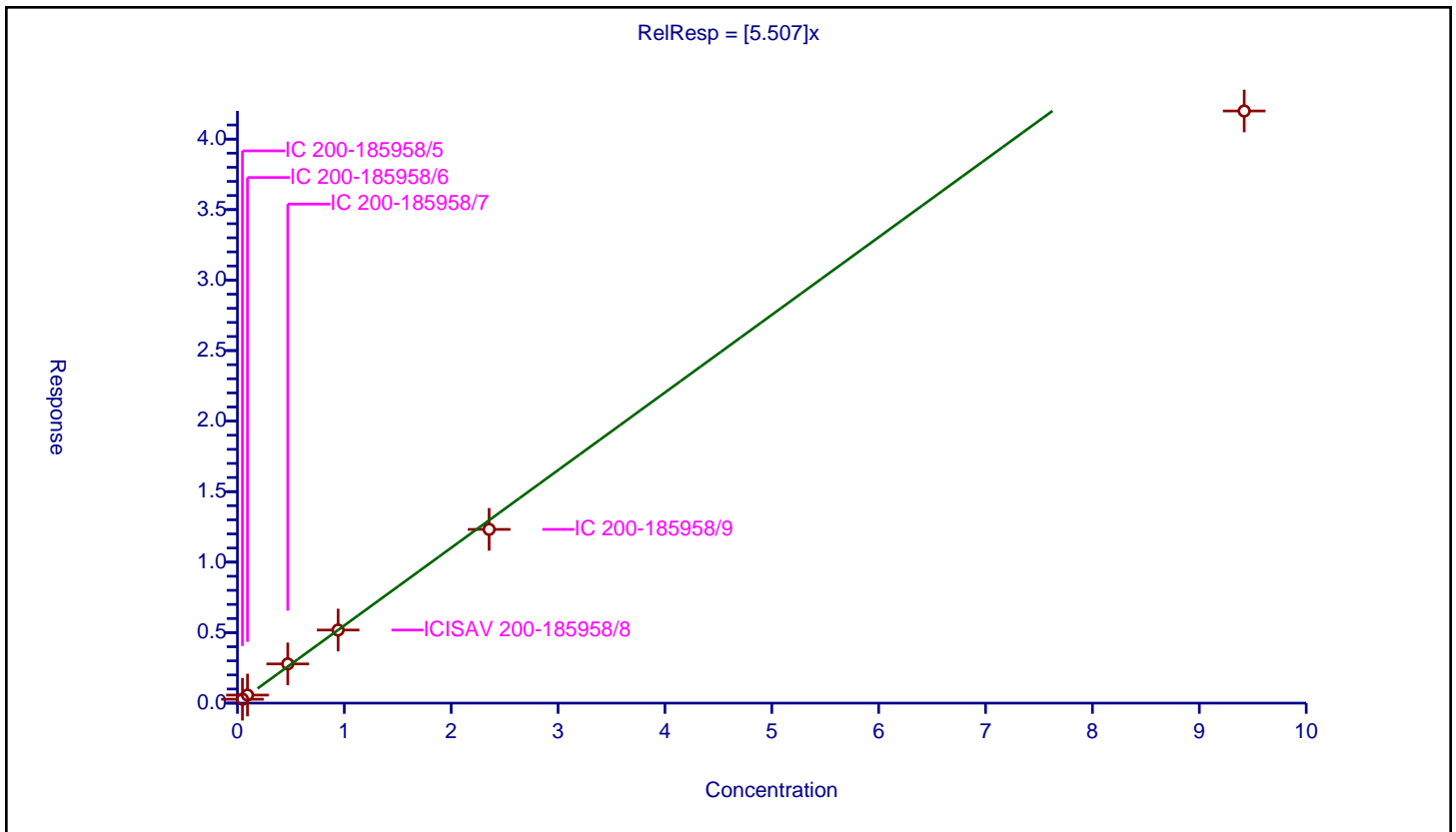
/ DONA

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

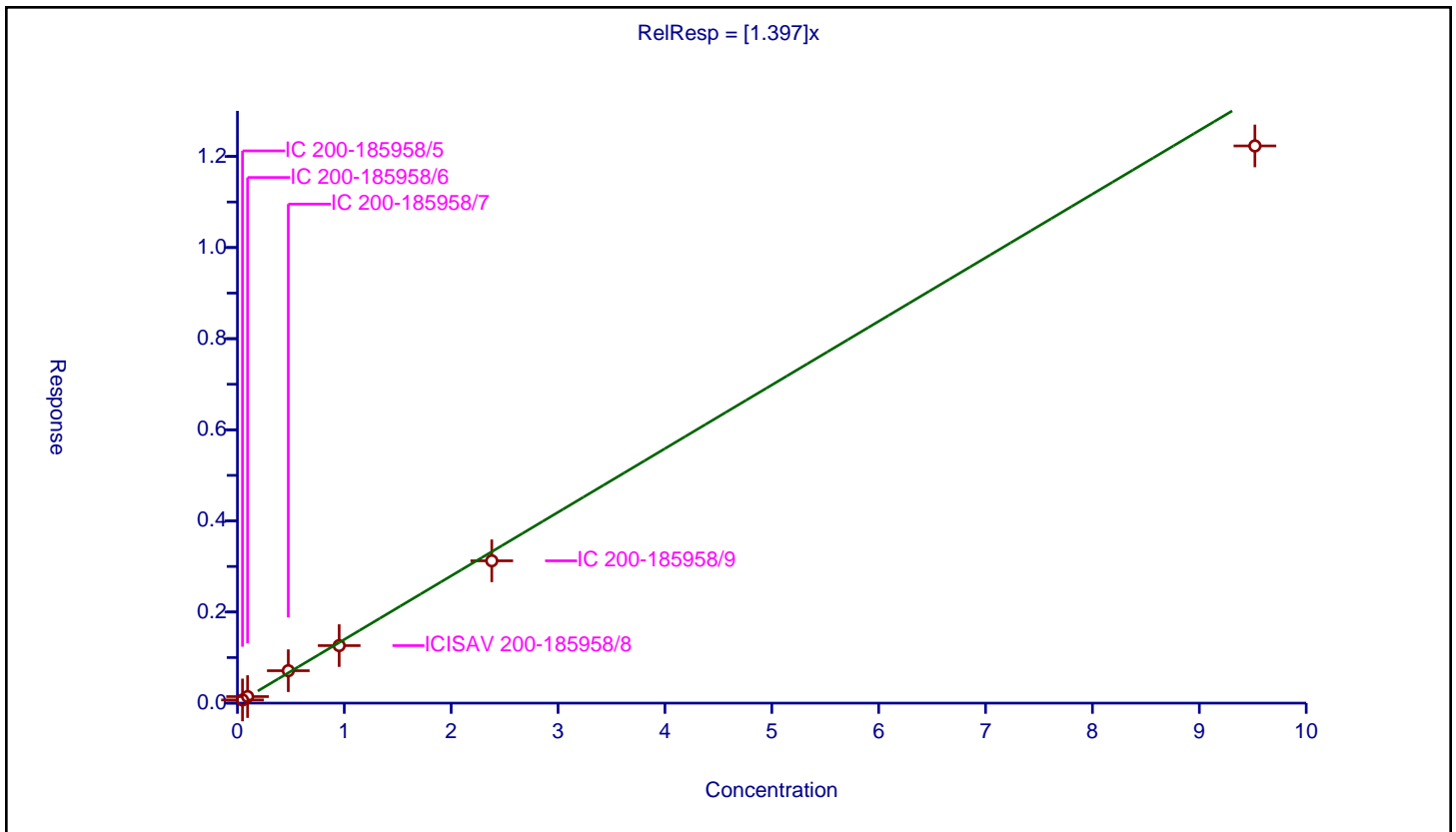
/ Perfluoroheptanesulfonic acid

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

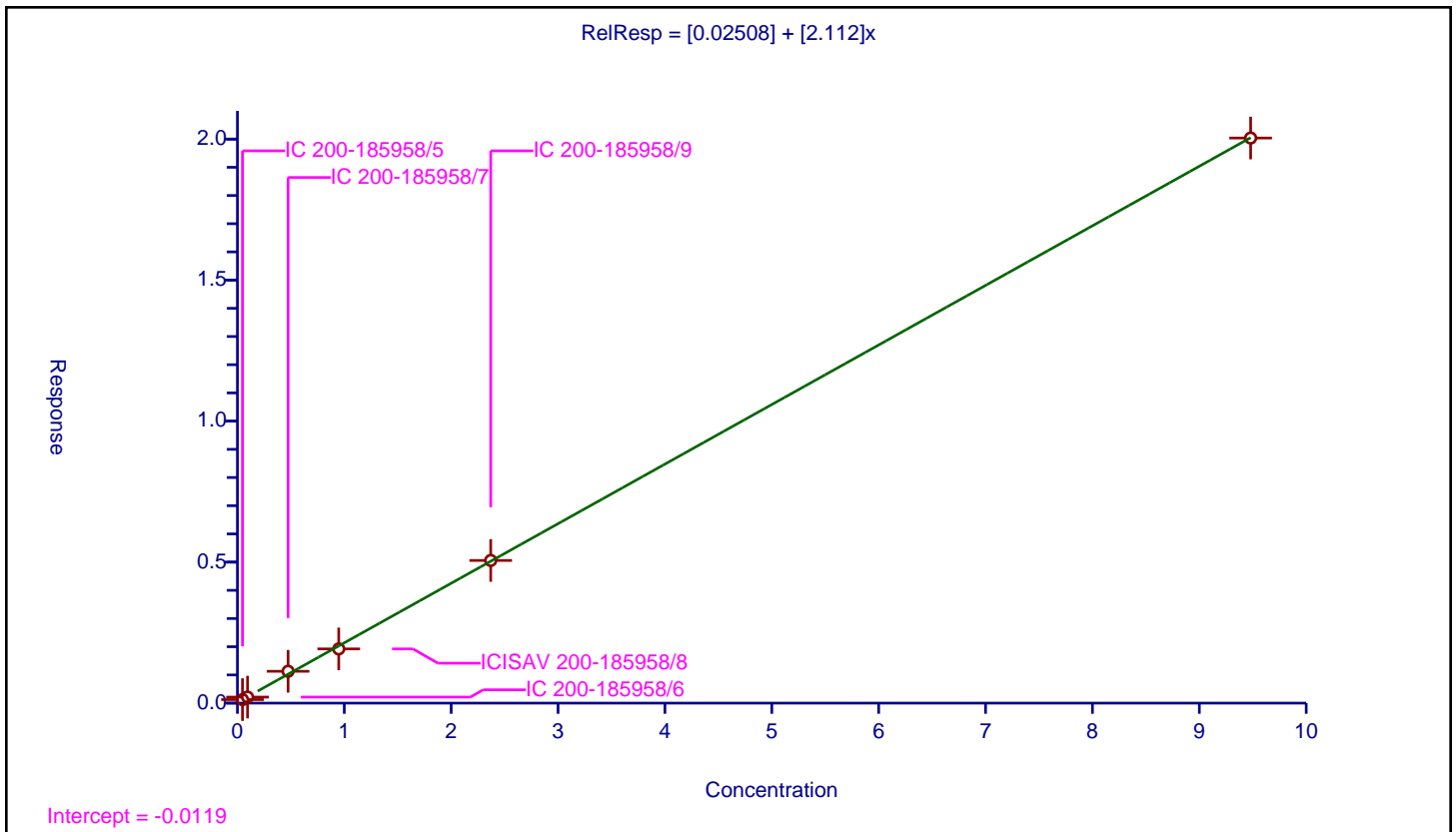
/ 1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)

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

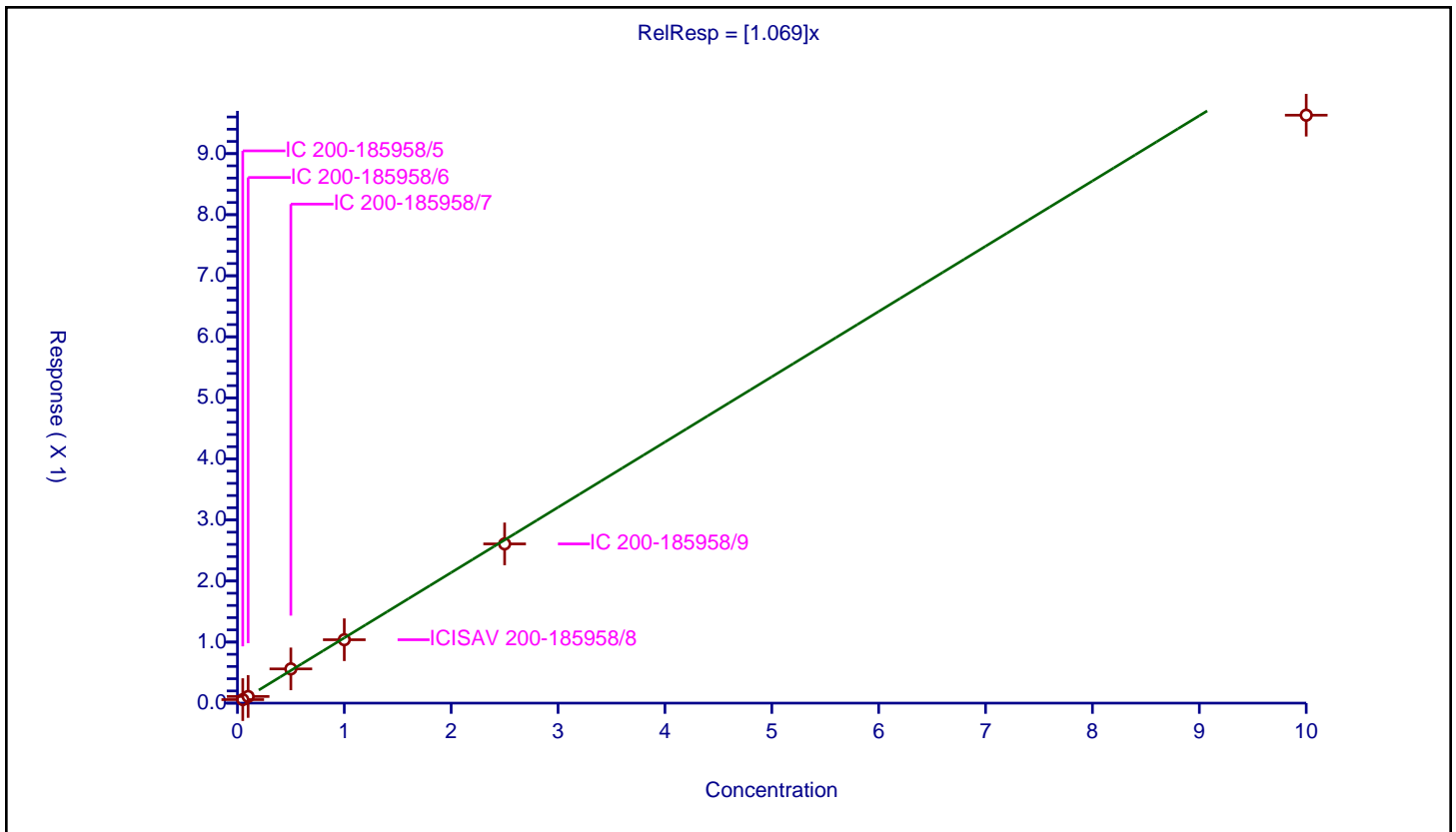
/ Perfluorooctanoic acid

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

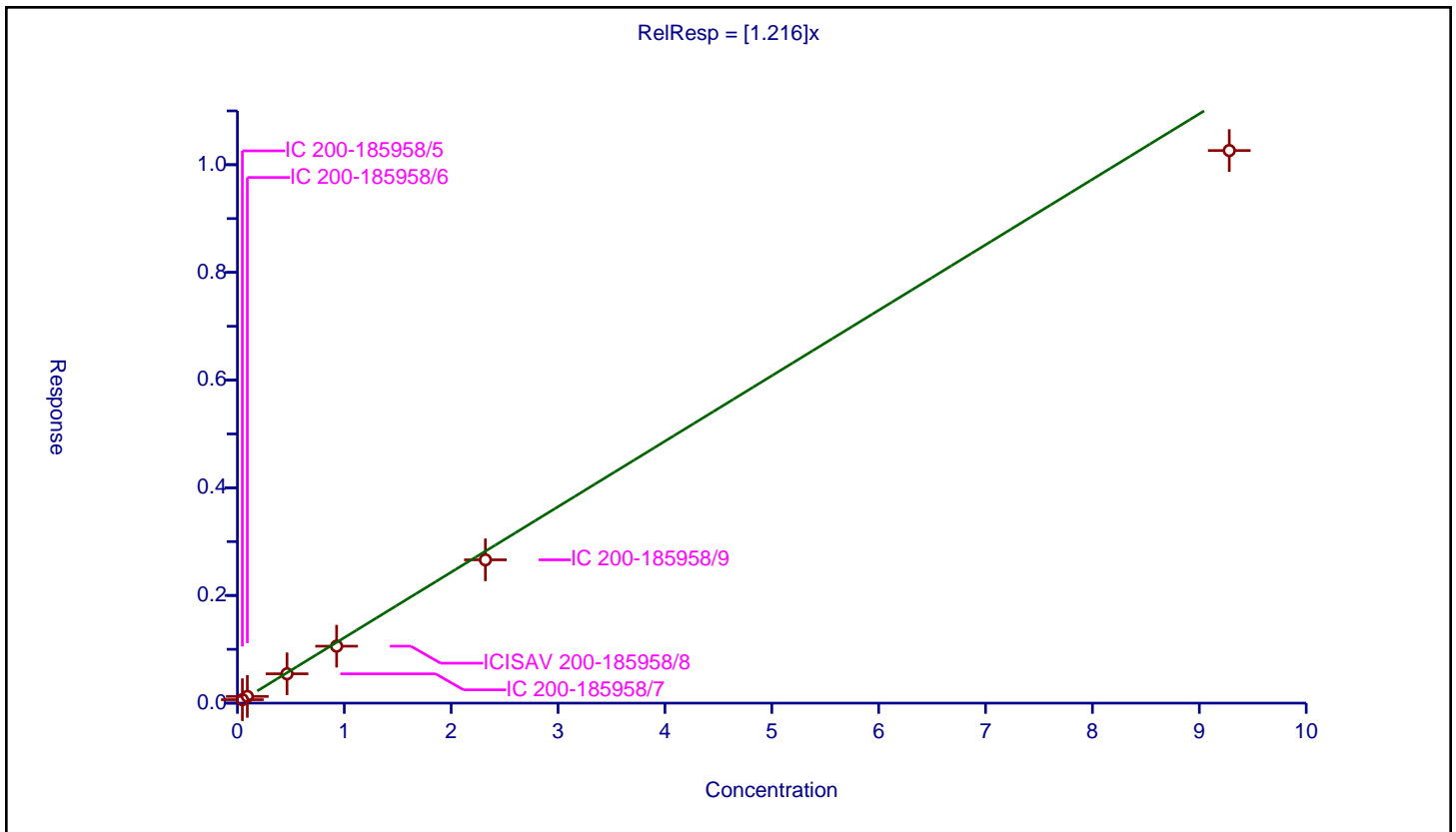
/ Perfluorooctanesulfonic acid

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

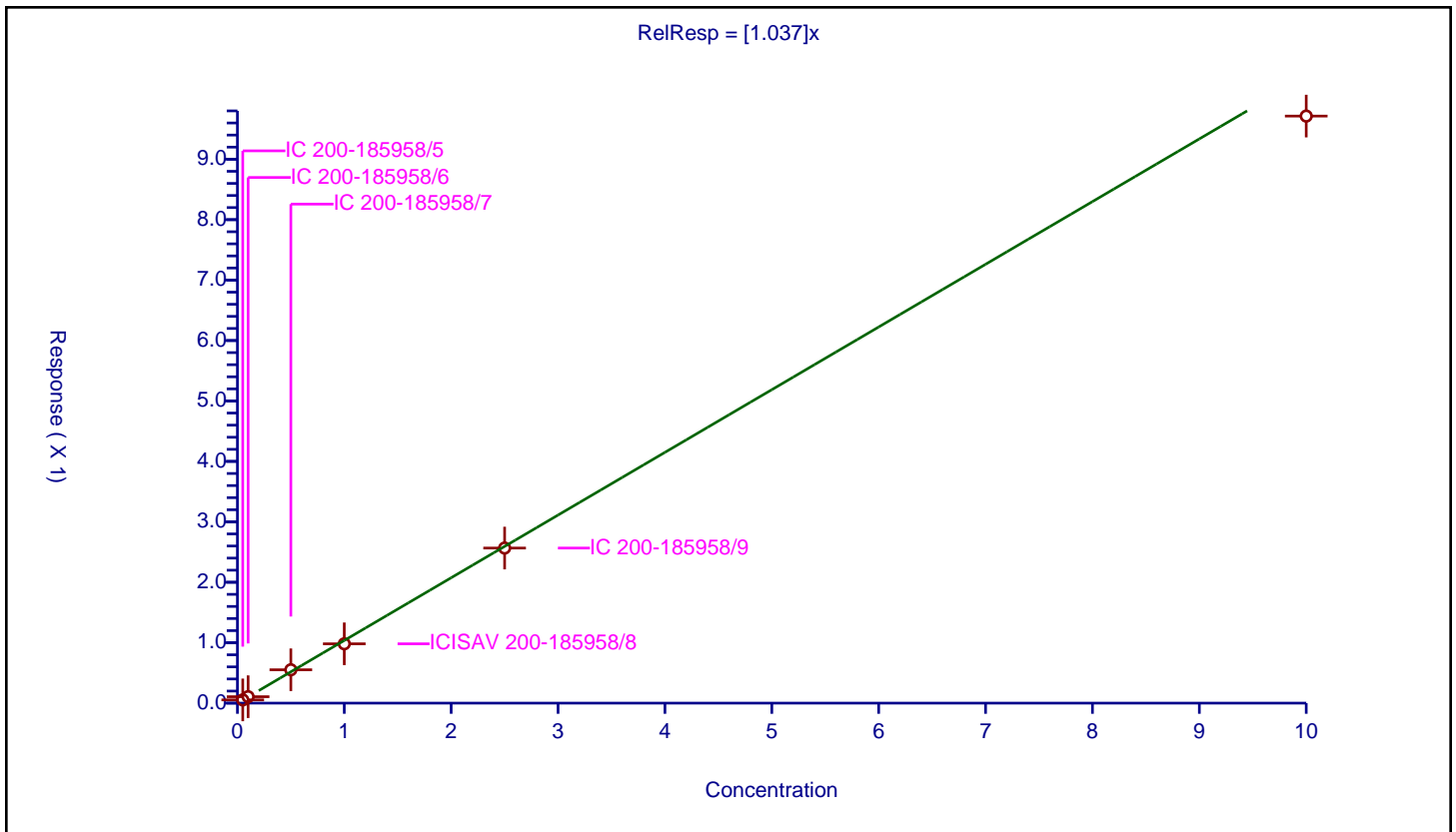
/ Perfluorononanoic acid

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

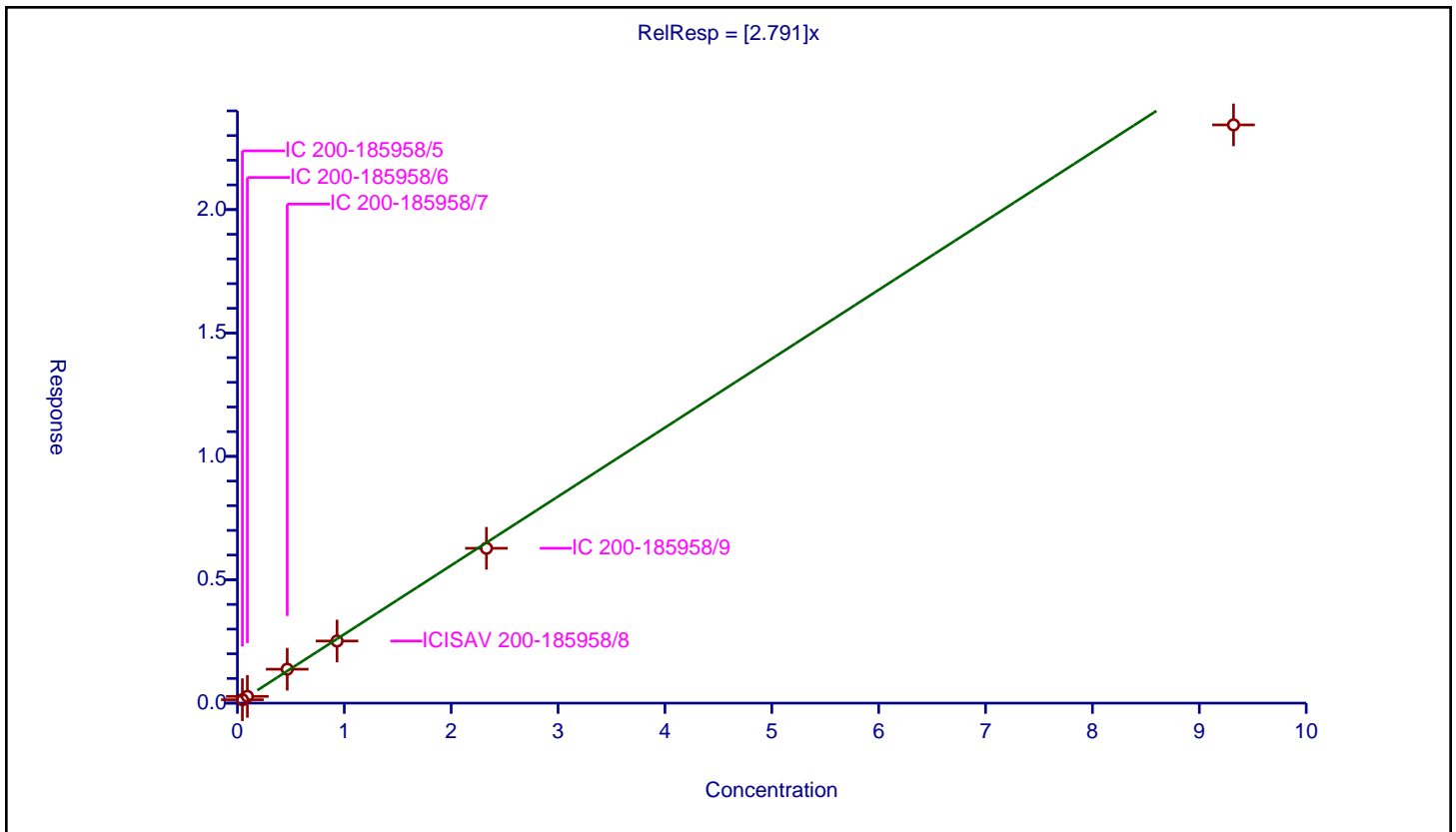
/ 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid

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

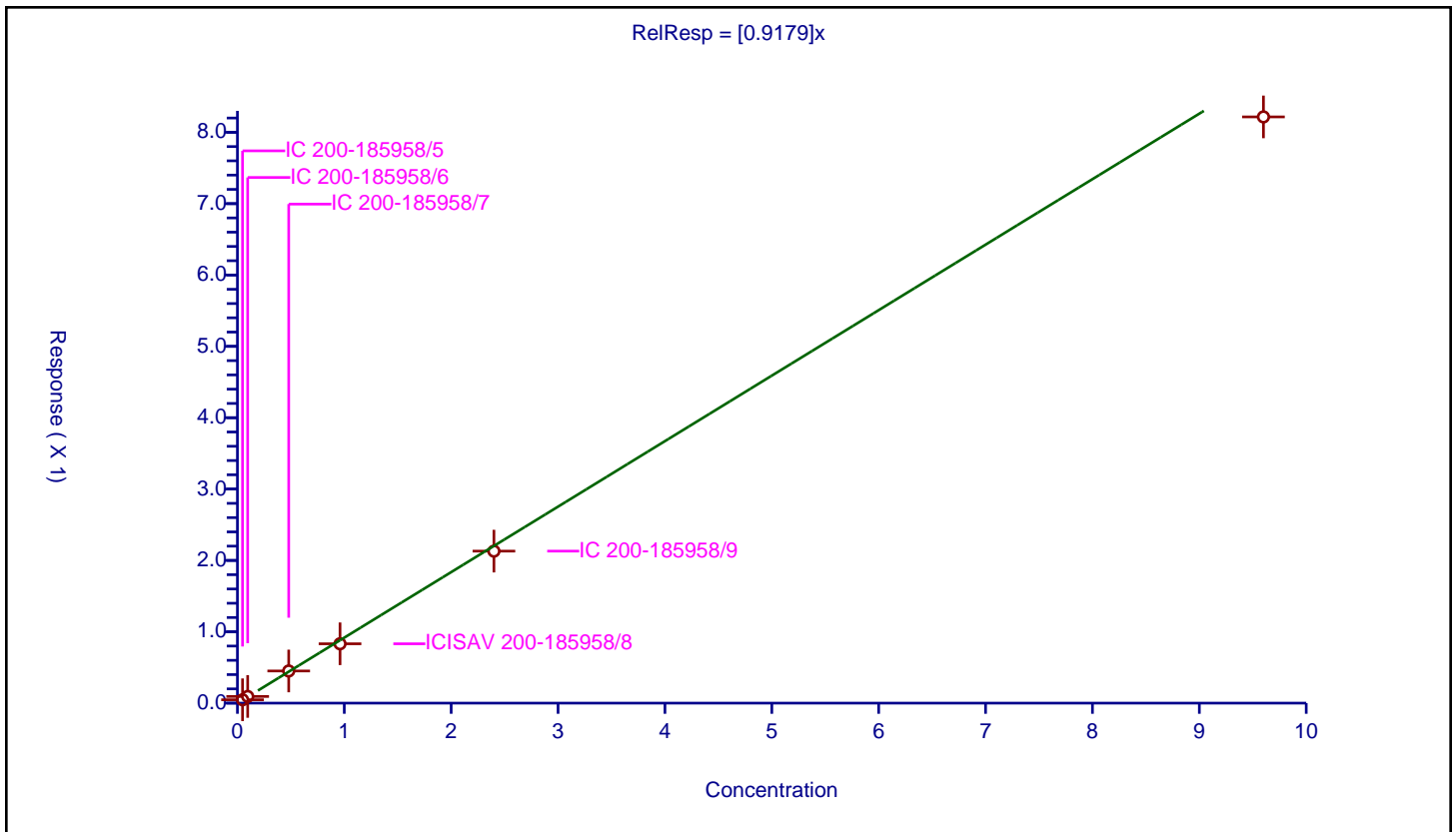
/ Perfluorononanesulfonic acid

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

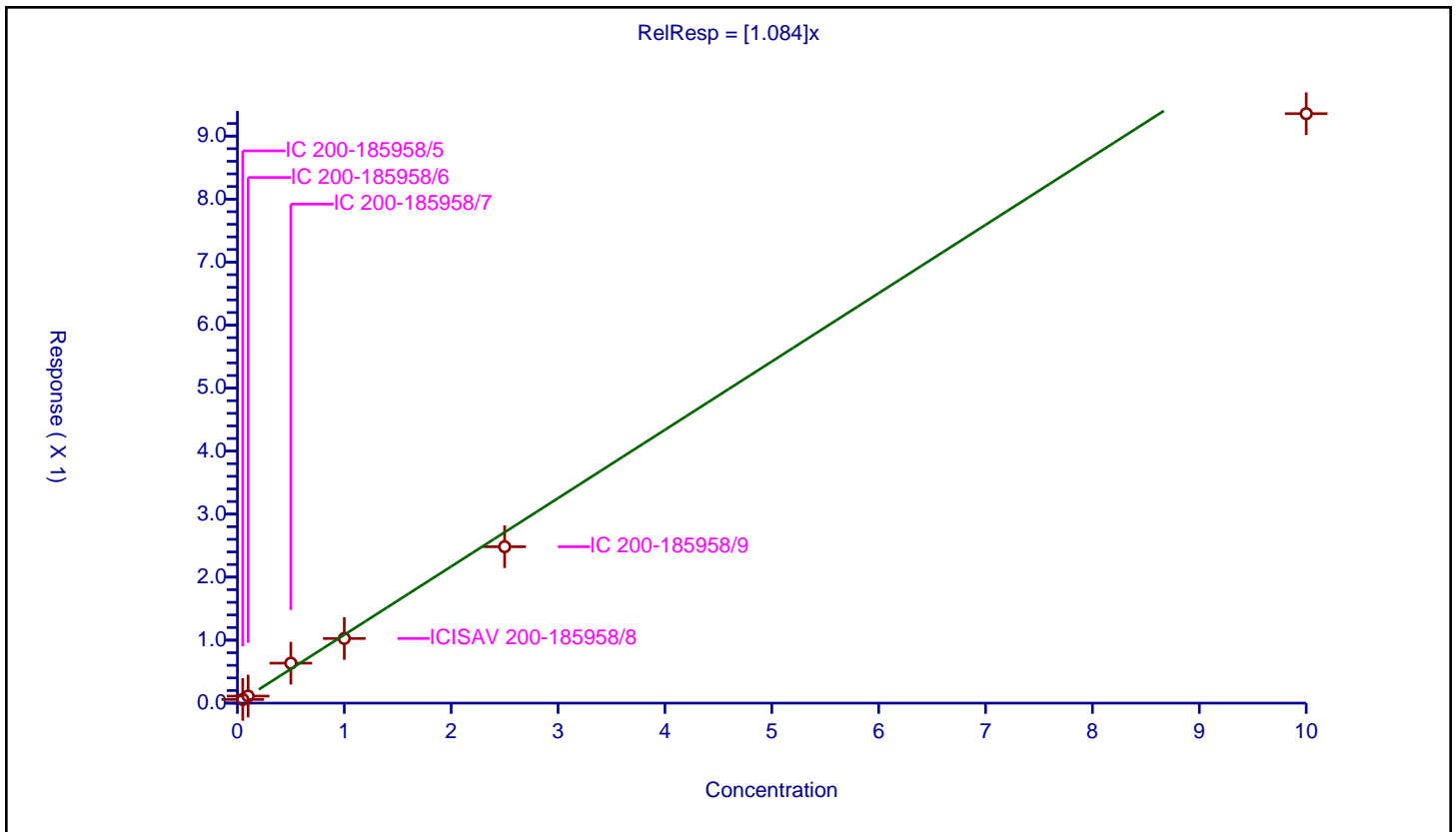
/ Perfluorodecanoic acid

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

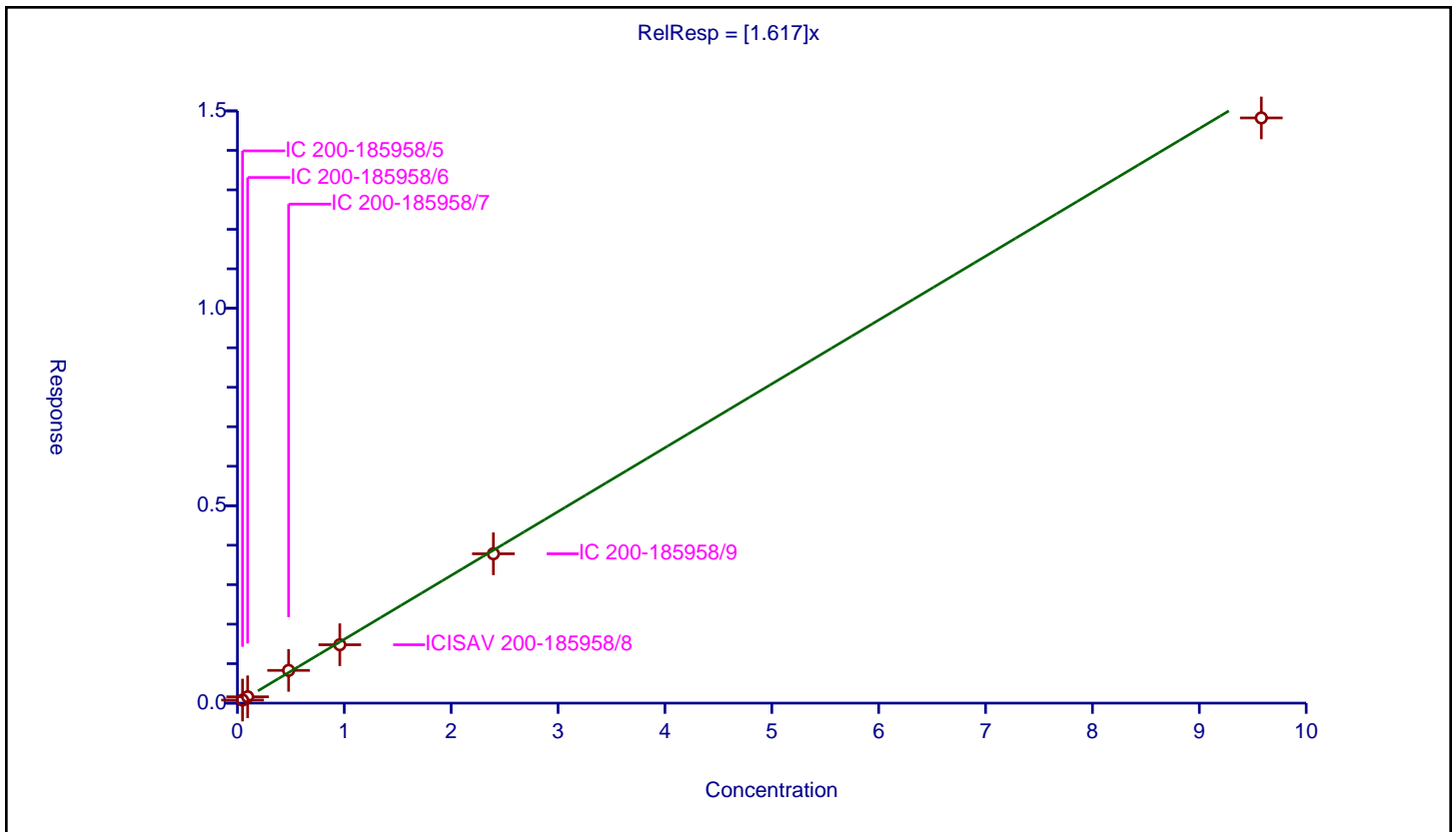
/ 1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)

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

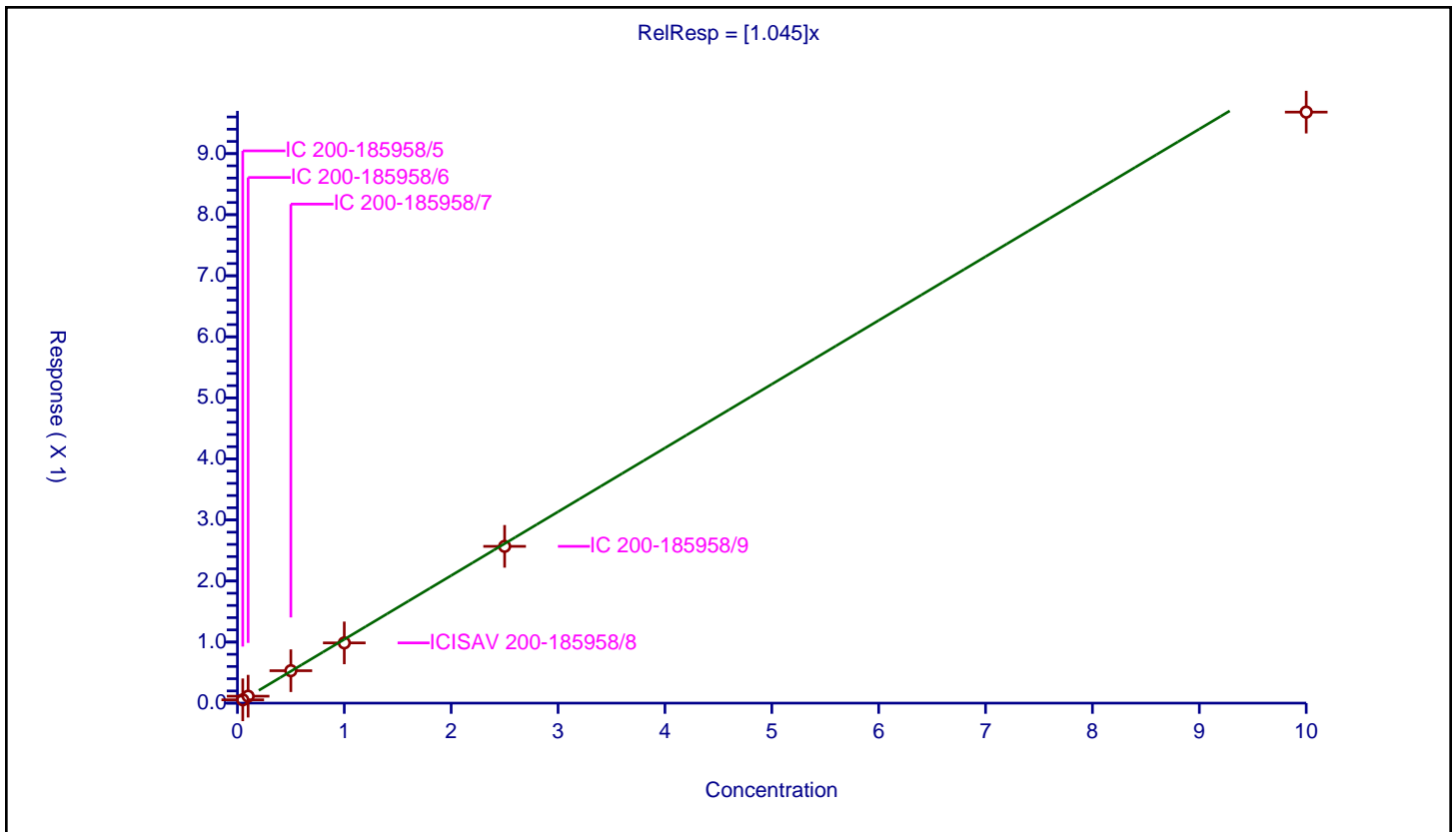
/ Perfluorooctanesulfonamide

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

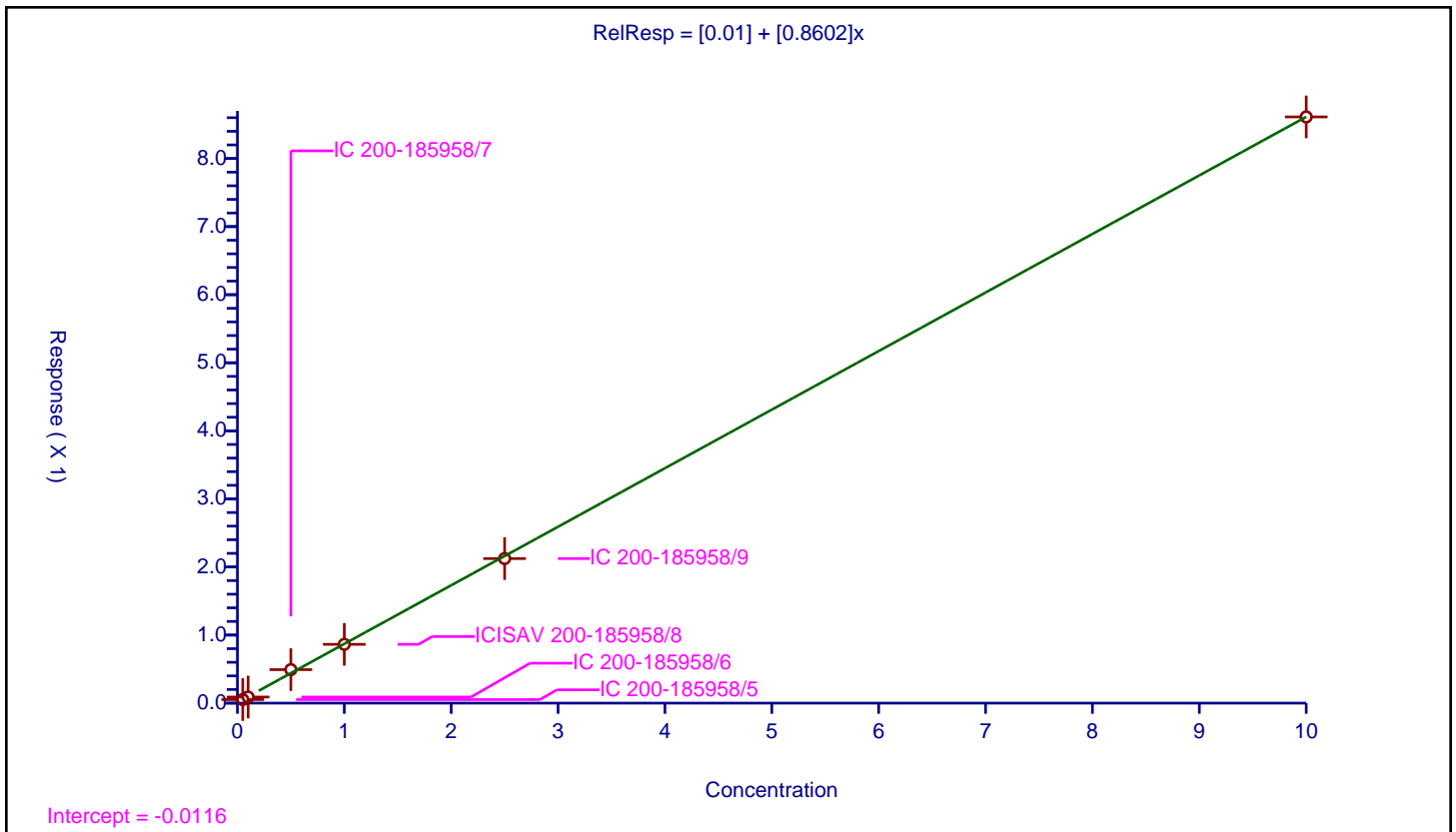
/ N-methylperfluorooctanesulfonamidoacetic acid

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

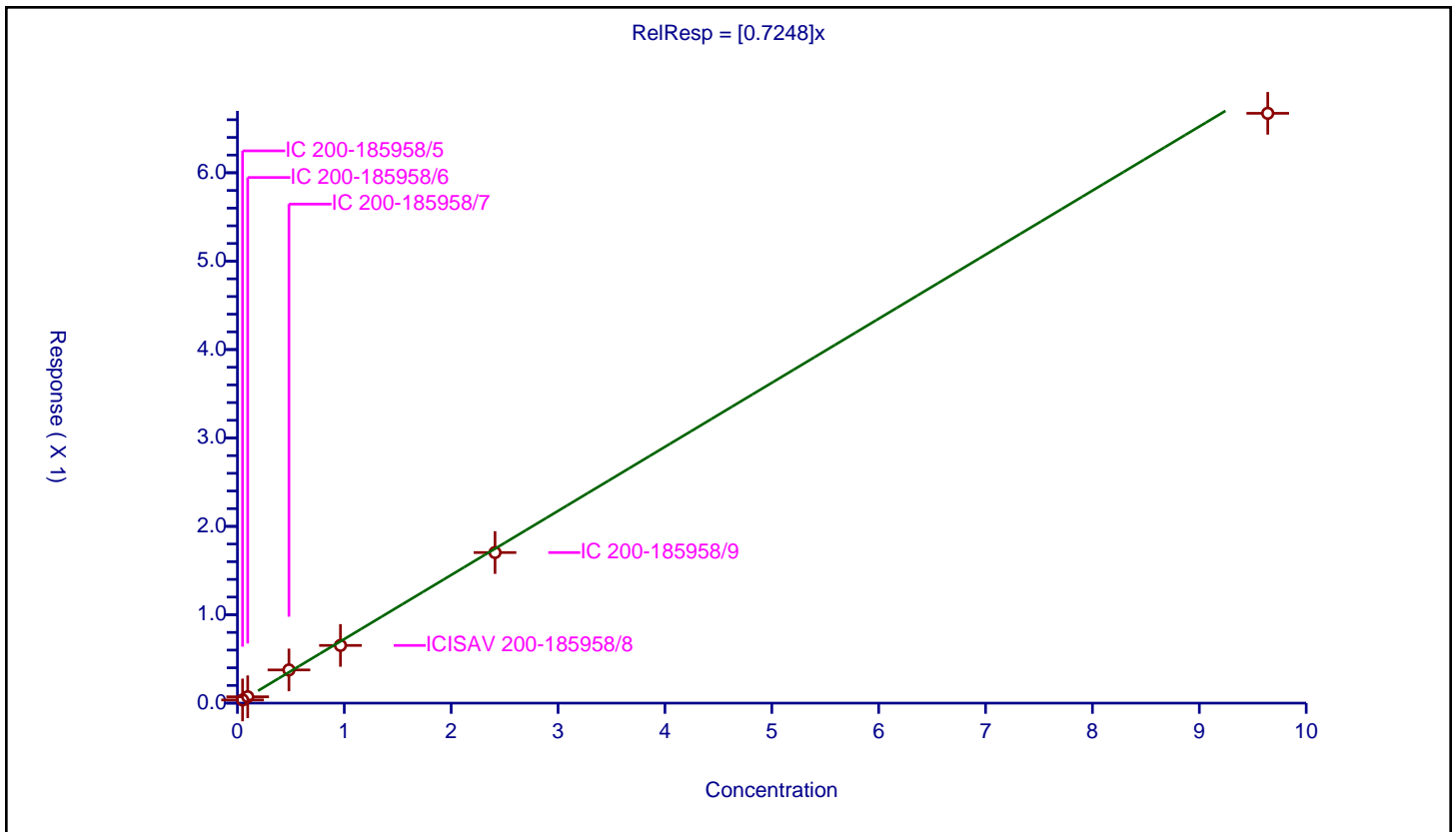
/ Perfluorodecanesulfonic acid

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

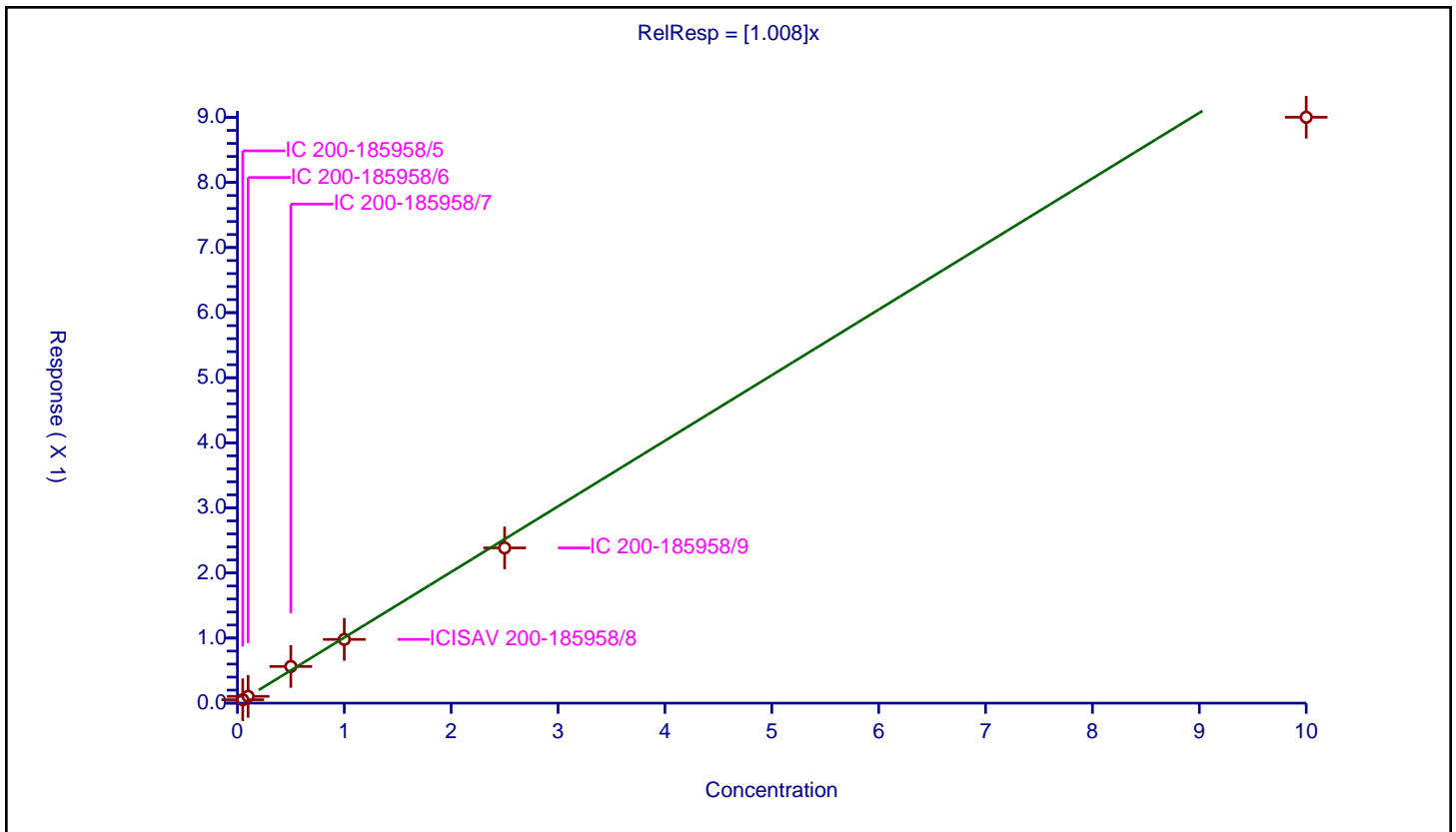
/ Perfluoroundecanoic acid

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

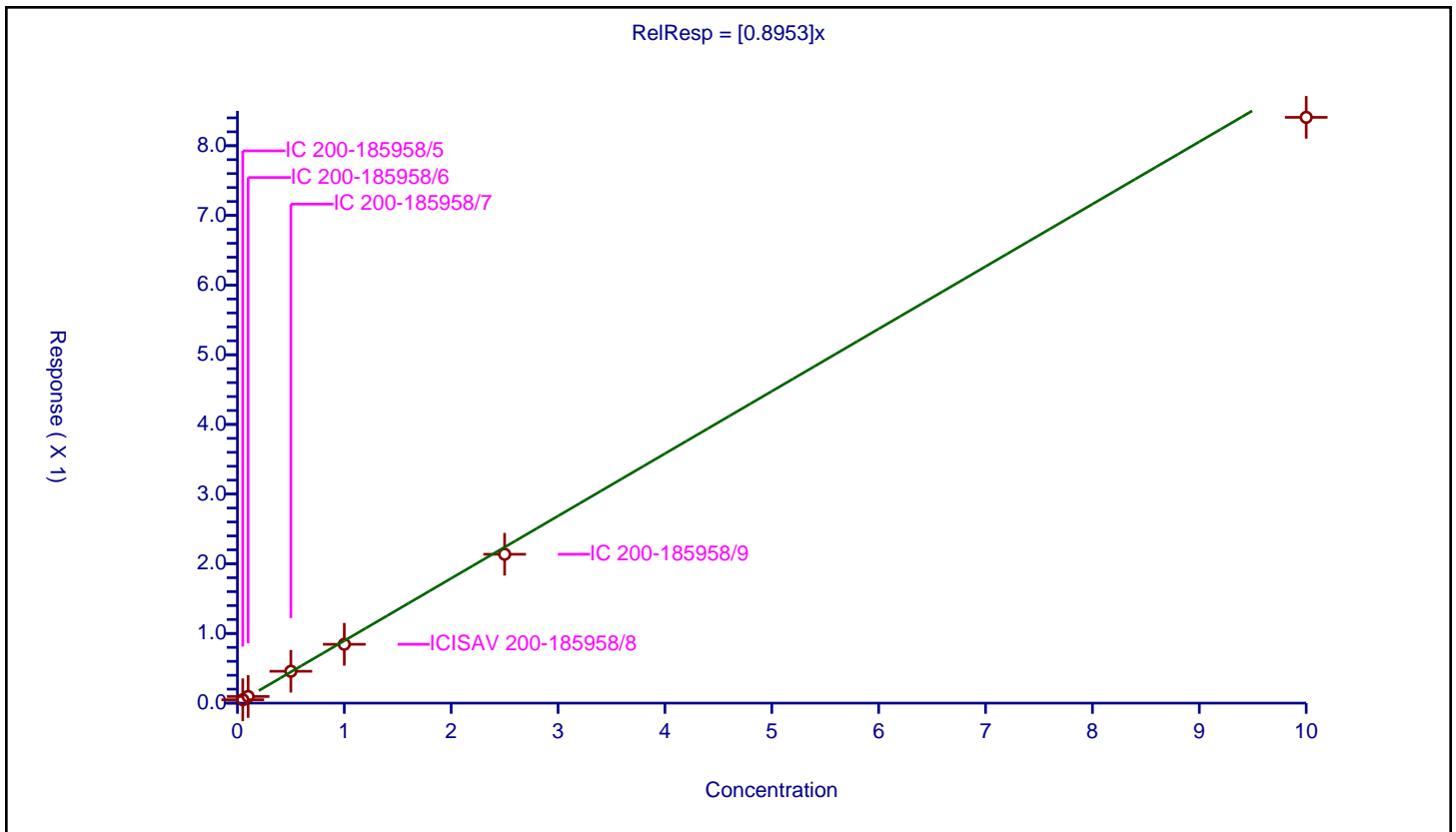
/ N-ethylperfluorooctanesulfonamidoacetic acid

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

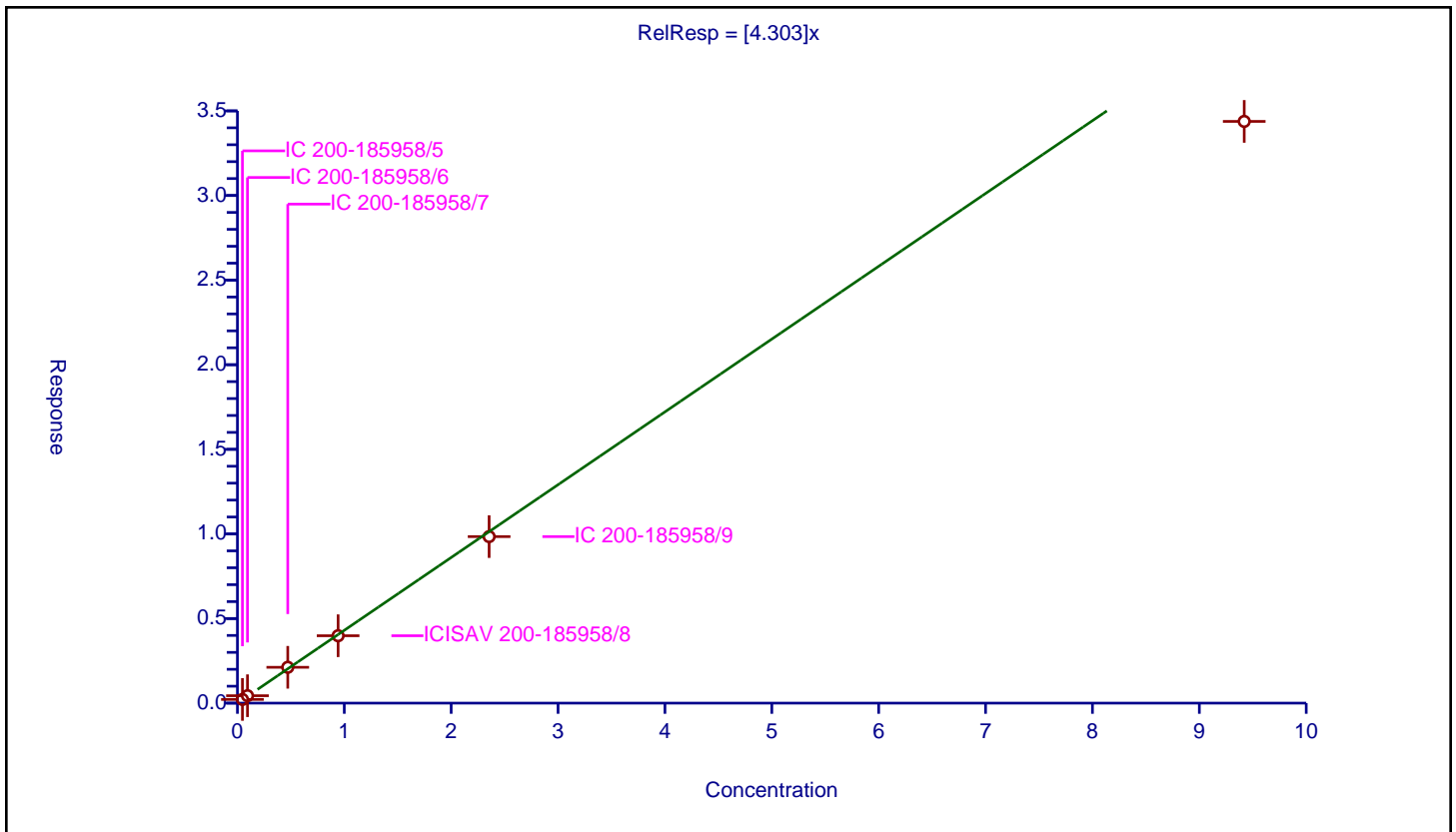
/ 11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid

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

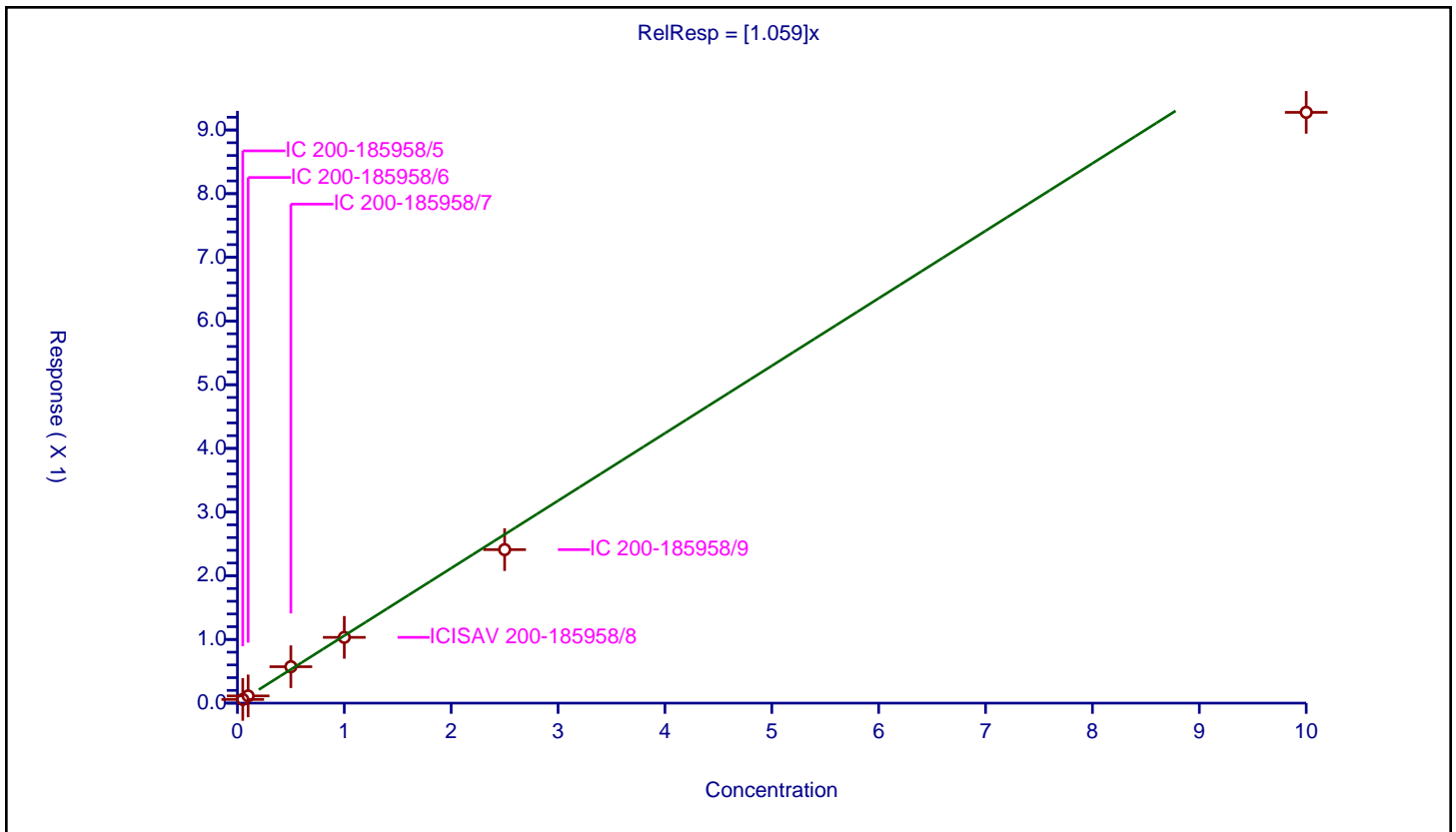
/ Perfluorododecanoic acid

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

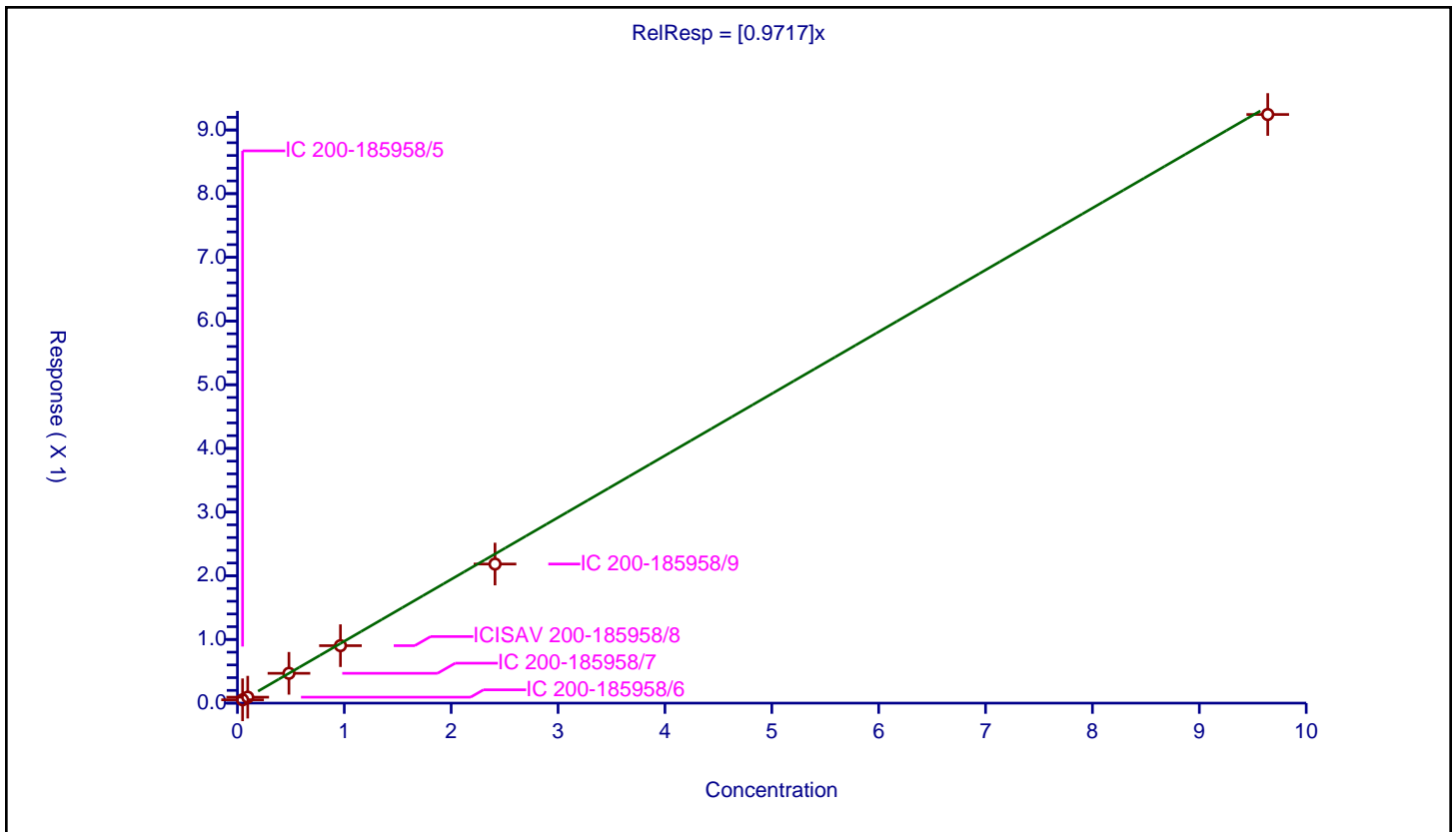
/ 1H,1H,2H,2H-perfluorododecanesulfonic acid (10:2)

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

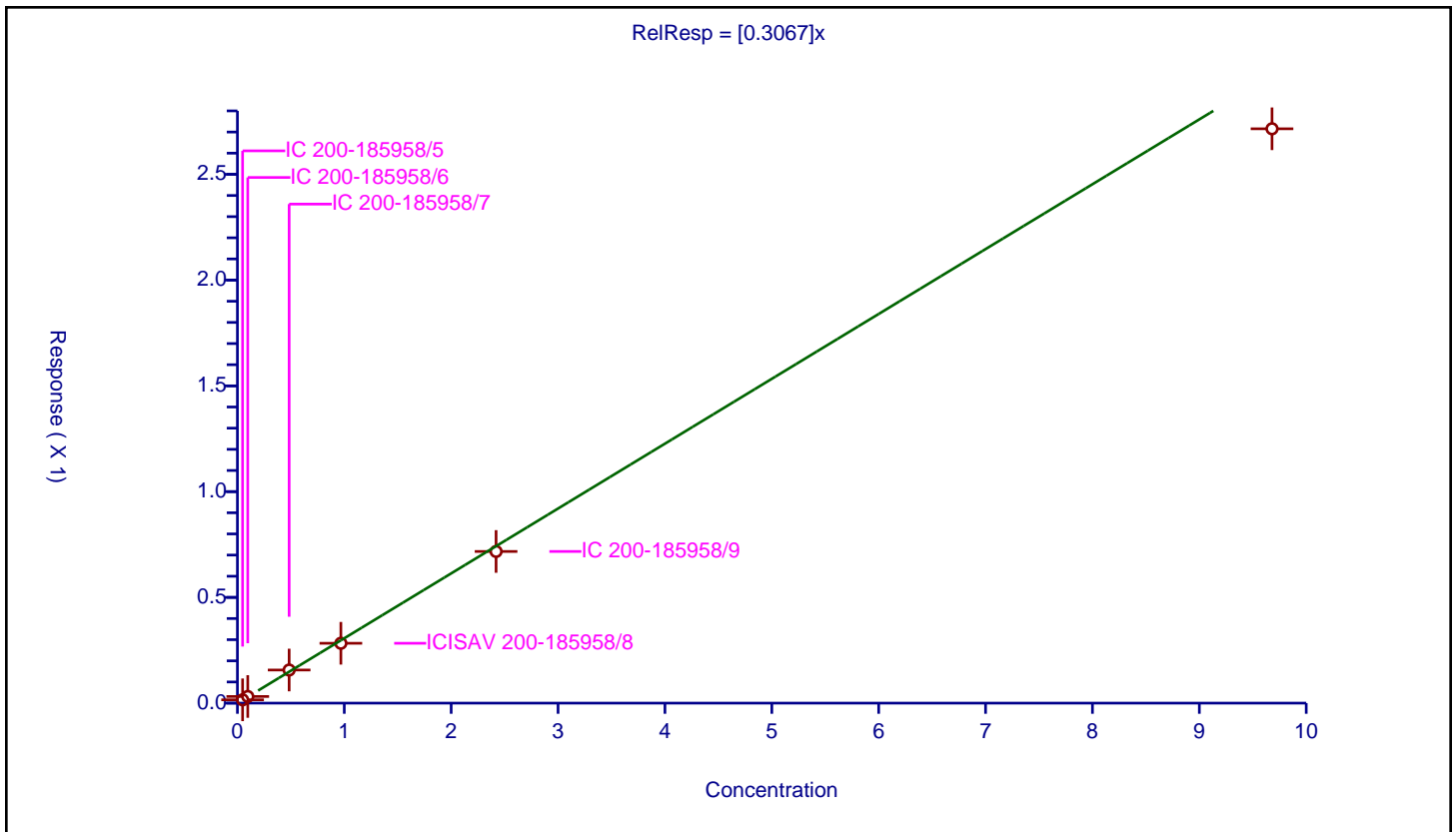
/ Perfluorododecanesulfonic acid (PFDoS)

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

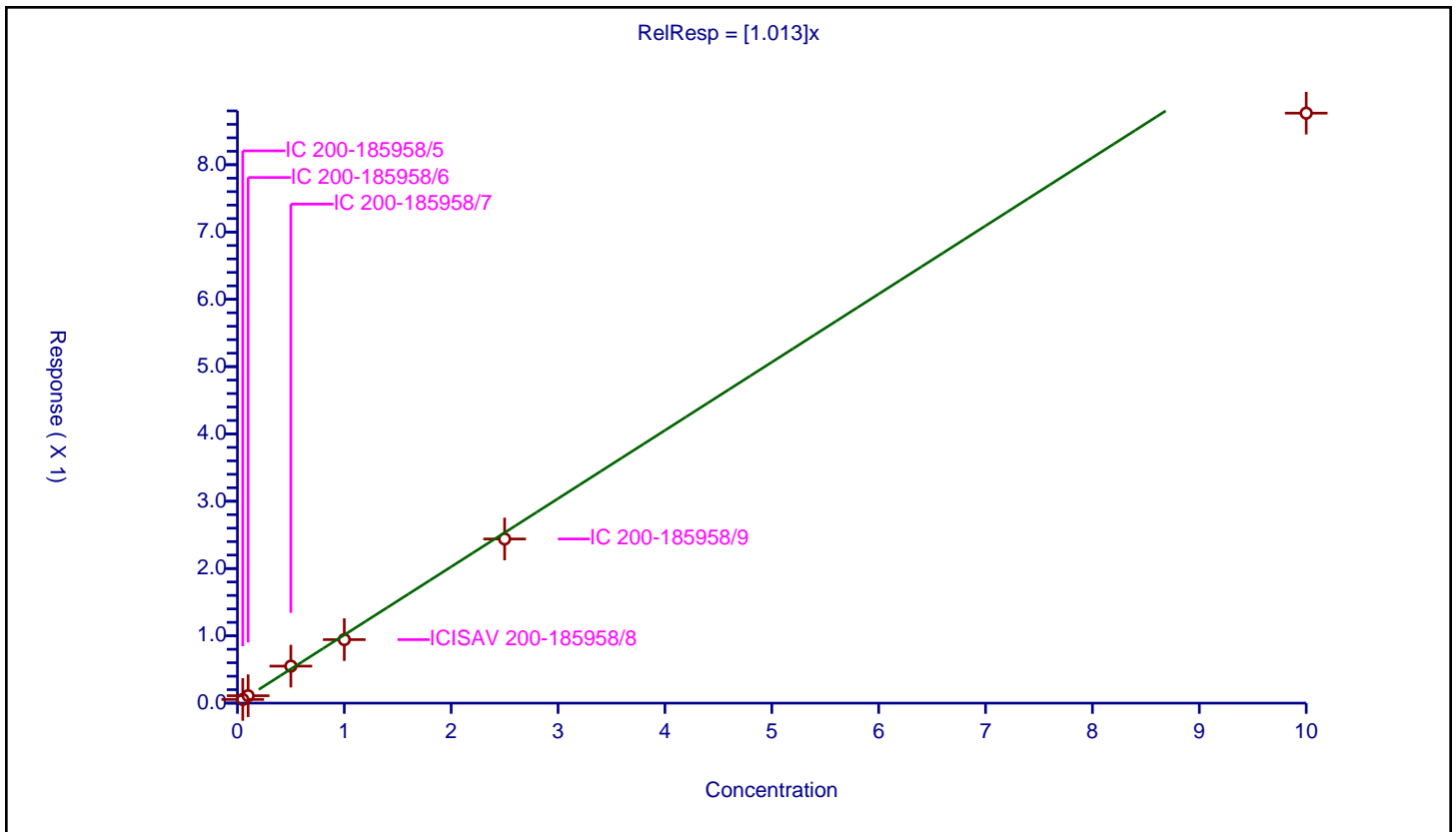
/ Perfluorotridecanoic acid

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

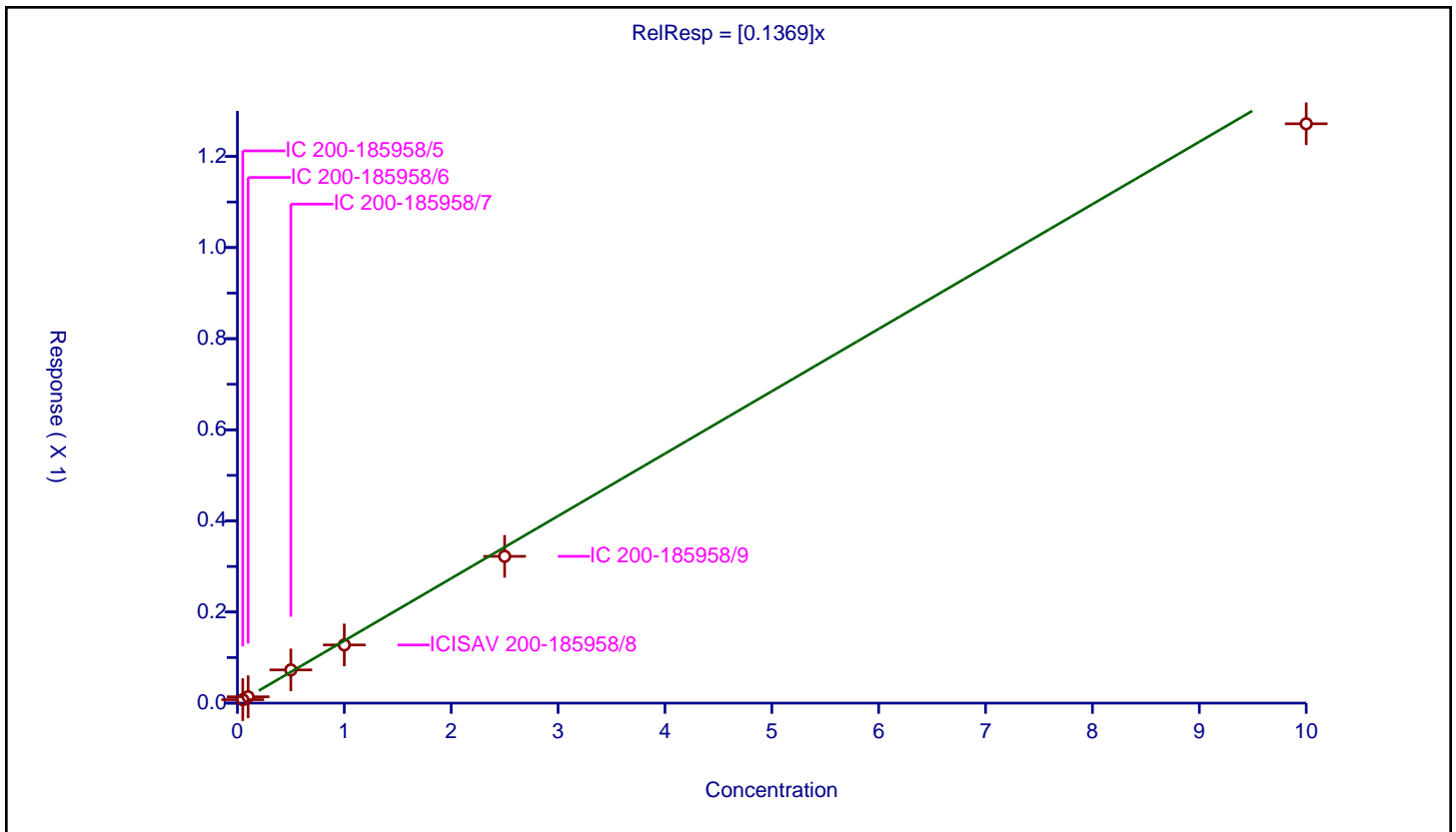
/ Perfluorotetradecanoic acid

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

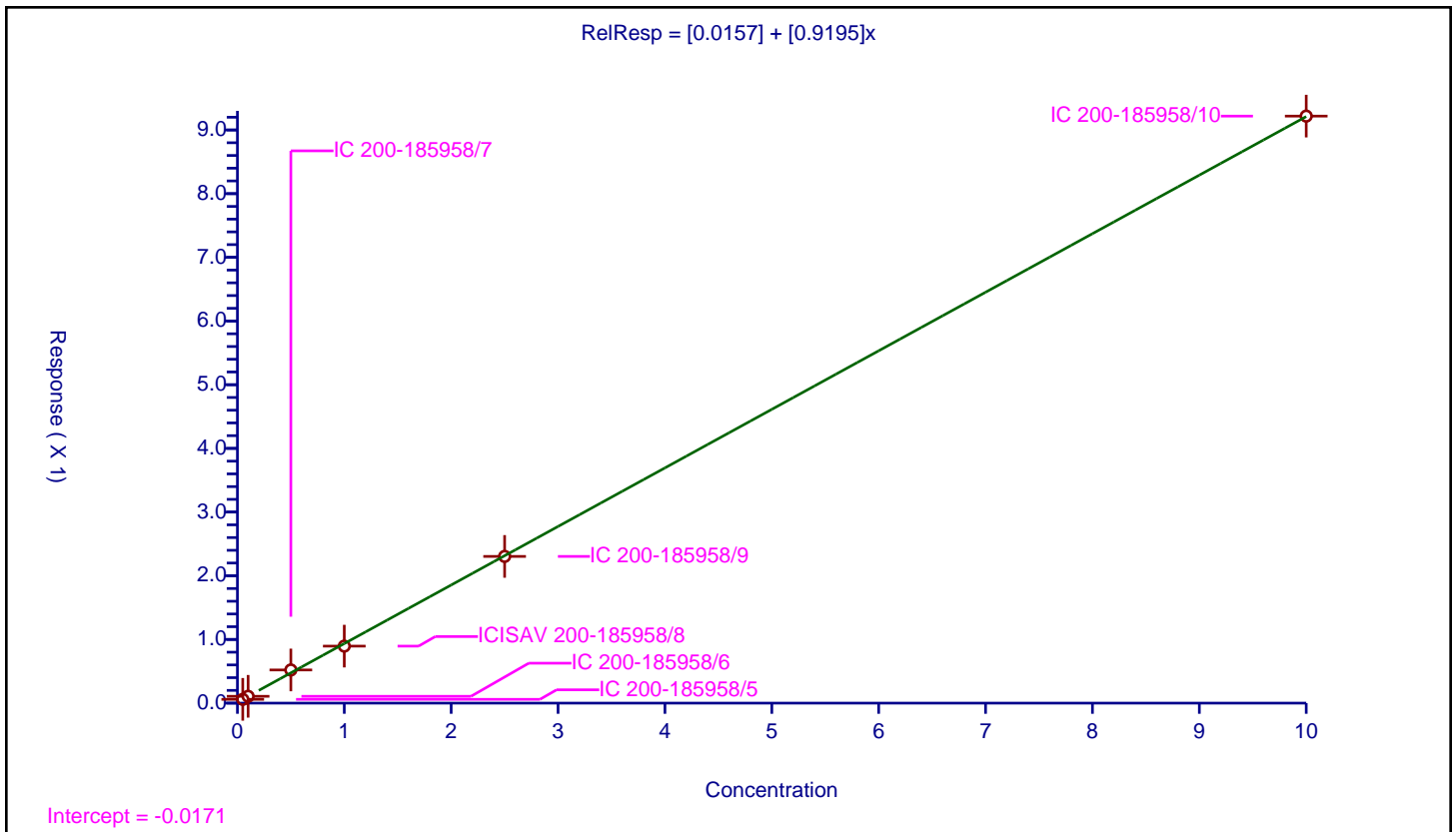
/ Perfluorohexadecanoic acid

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

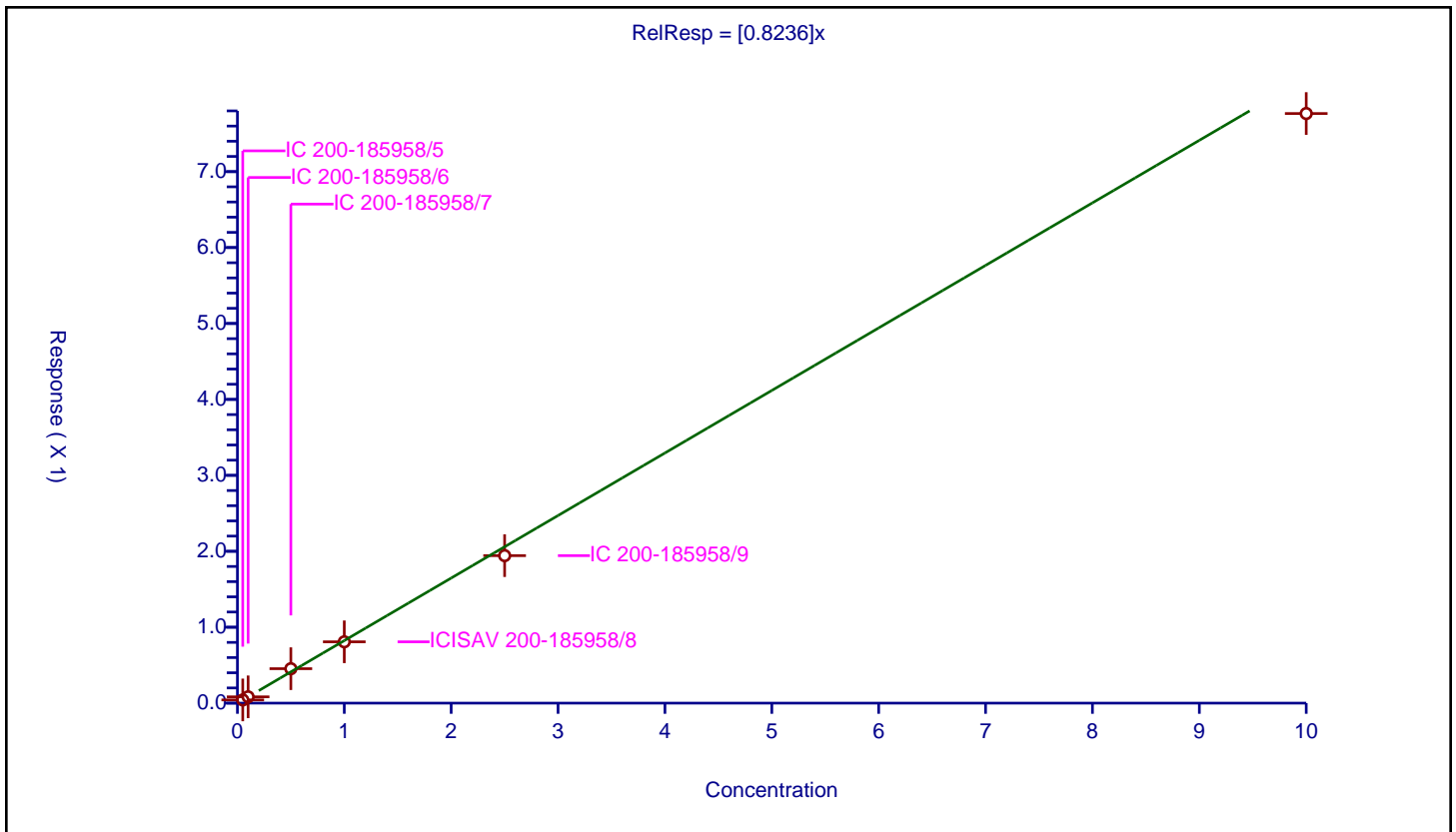
/ Perfluorooctadecanoic acid

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.: 460-270065-1
 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.: 460-270065-1
 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

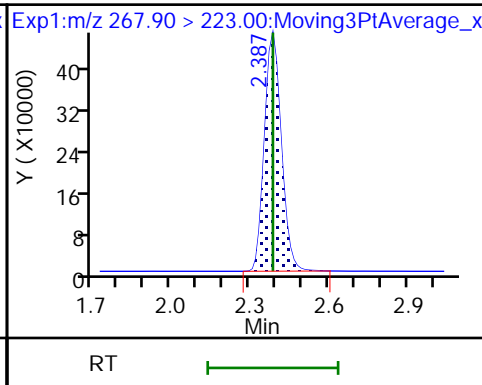
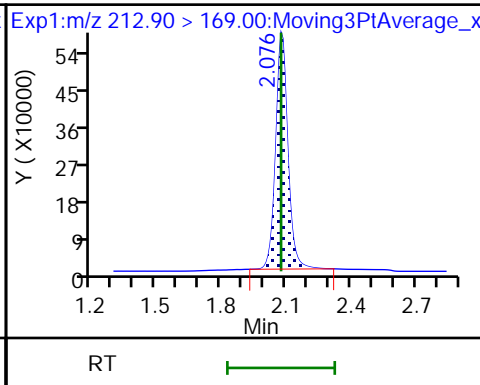
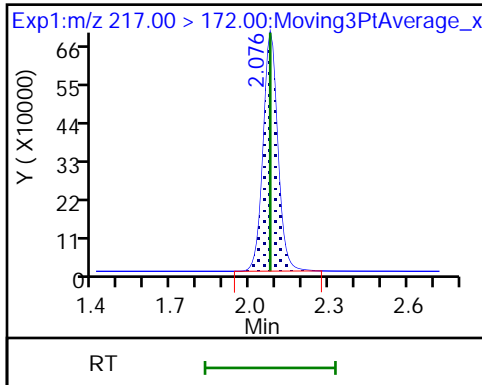
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA (M)

2 Perfluorobutanoic acid (M)

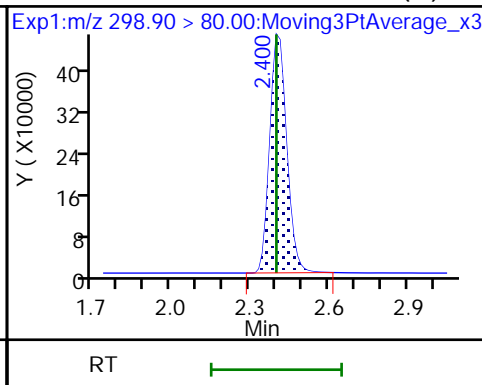
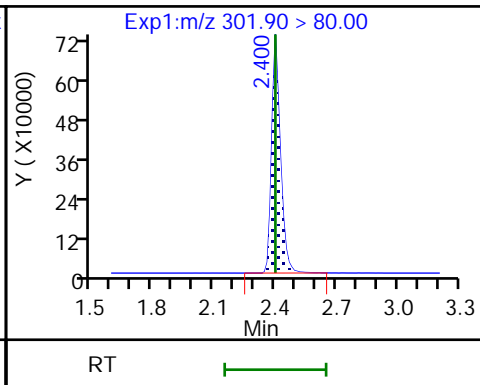
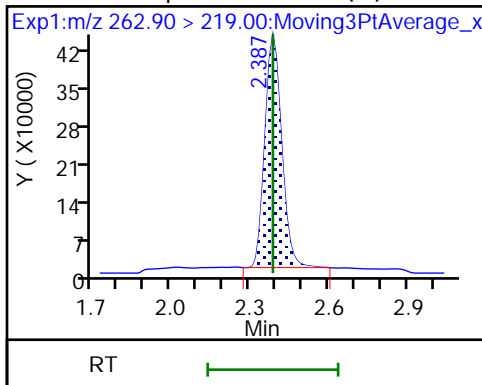
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS

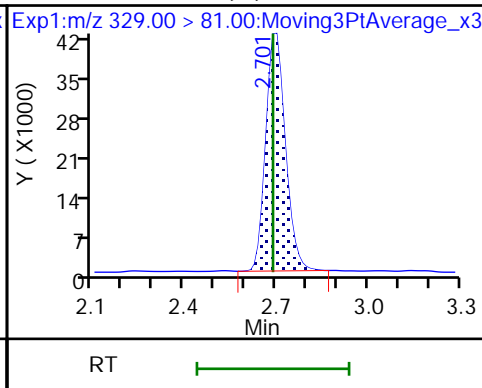
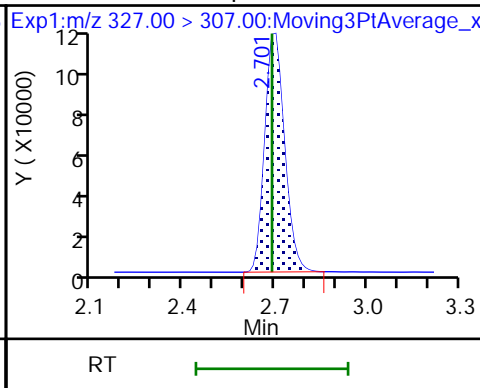
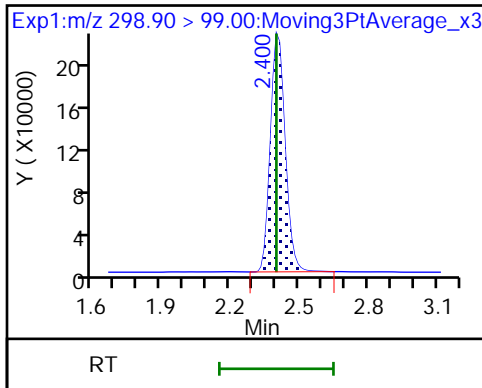
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid

61 1H,1H,2H,2H-perfluorohexanesulfo

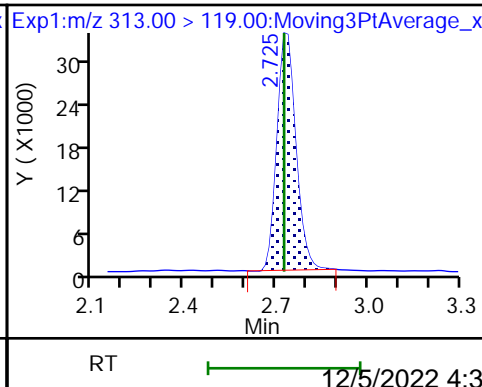
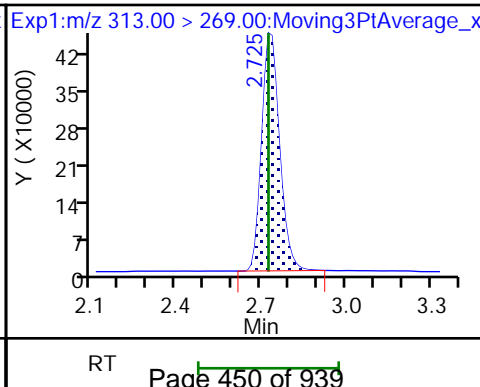
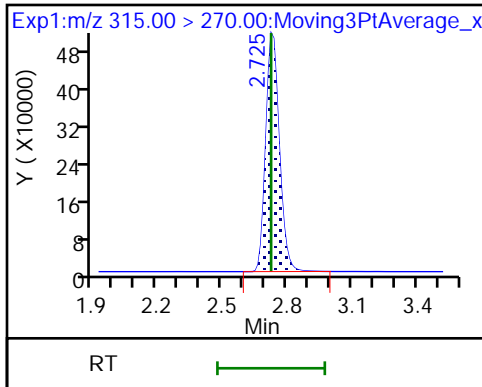
D 60 M2-4:2 FTS (M)



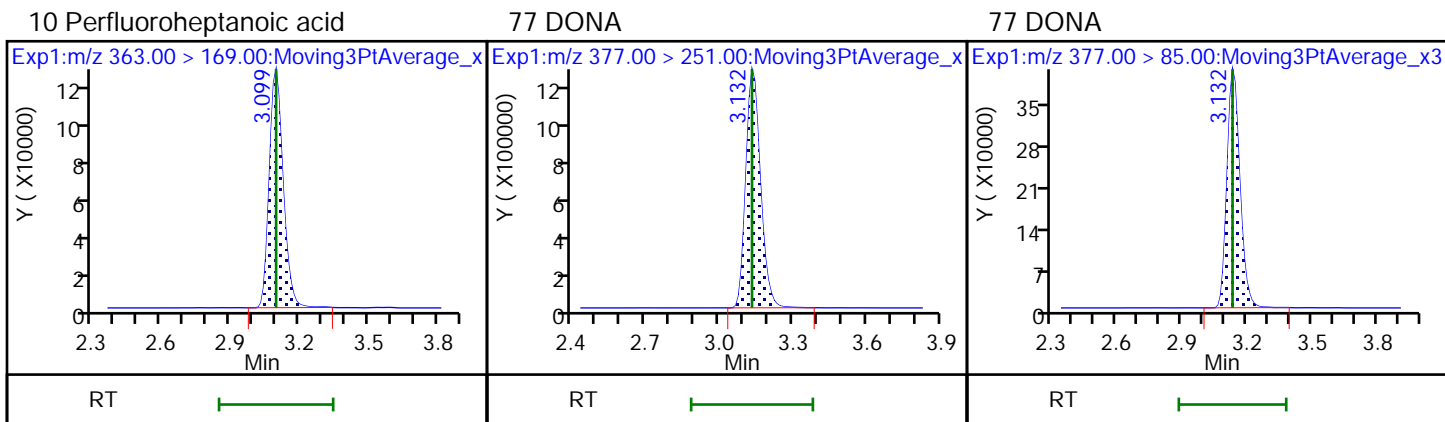
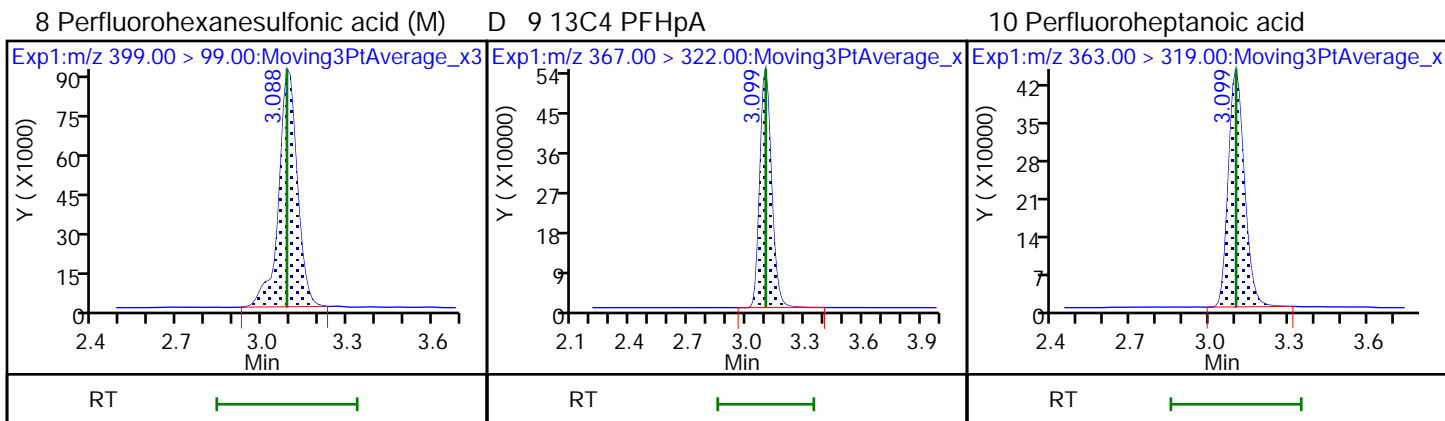
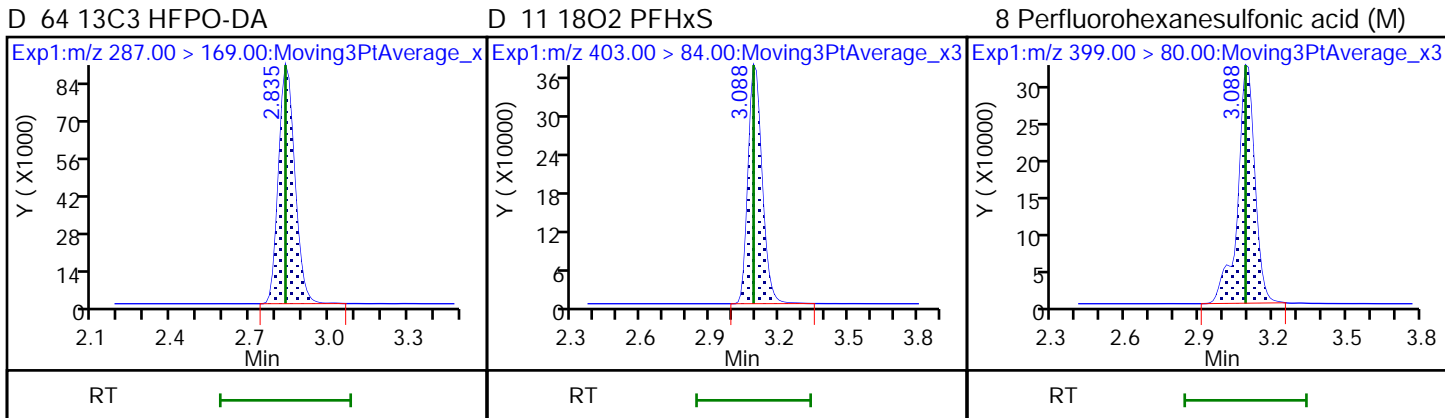
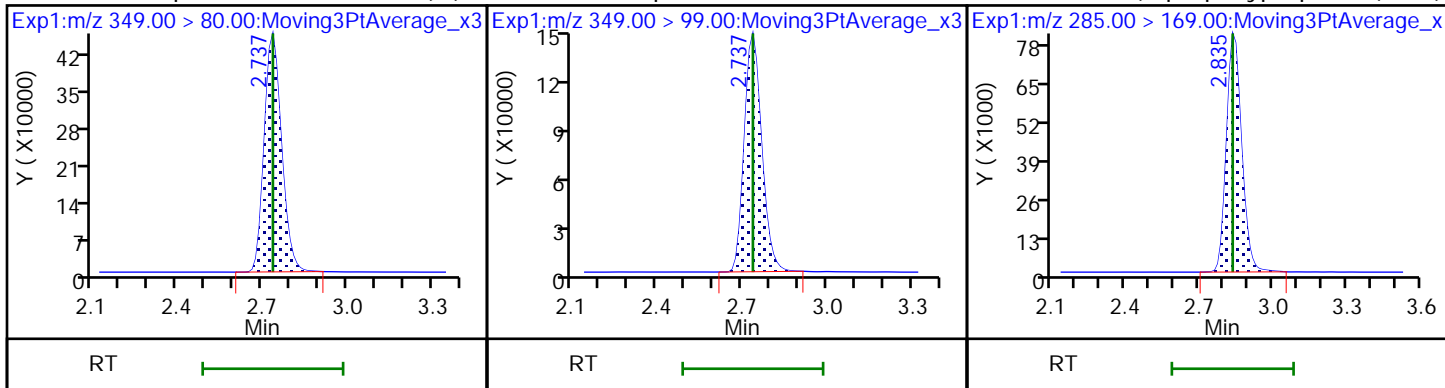
D 7 13C2 PFHxA

6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid (M)

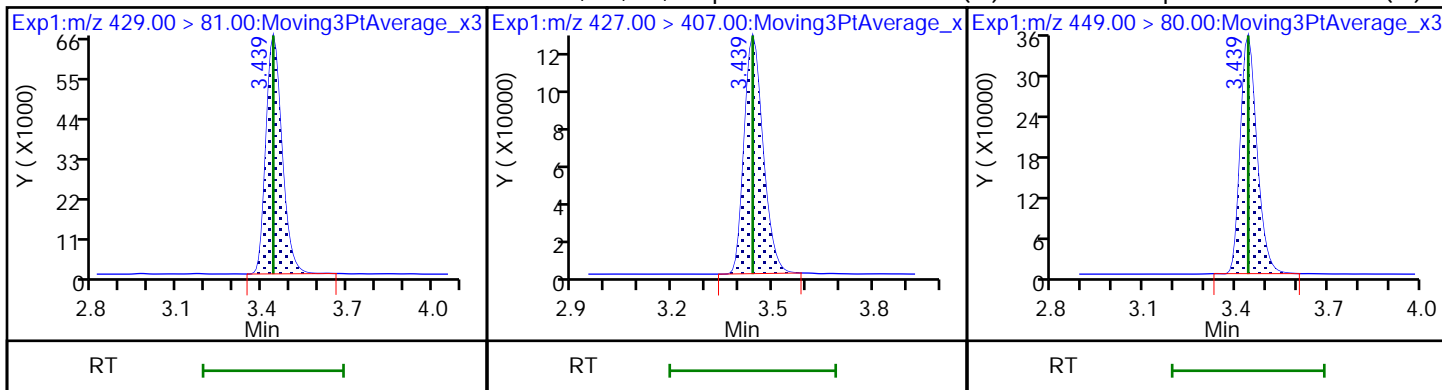


70 Perfluoropentanesulfonic acid (M) 70 Perfluoropentanesulfonic acid 67 Perfluoro(2-propoxypropanoic) ac (M)



D 12 M2-6:2 FTS

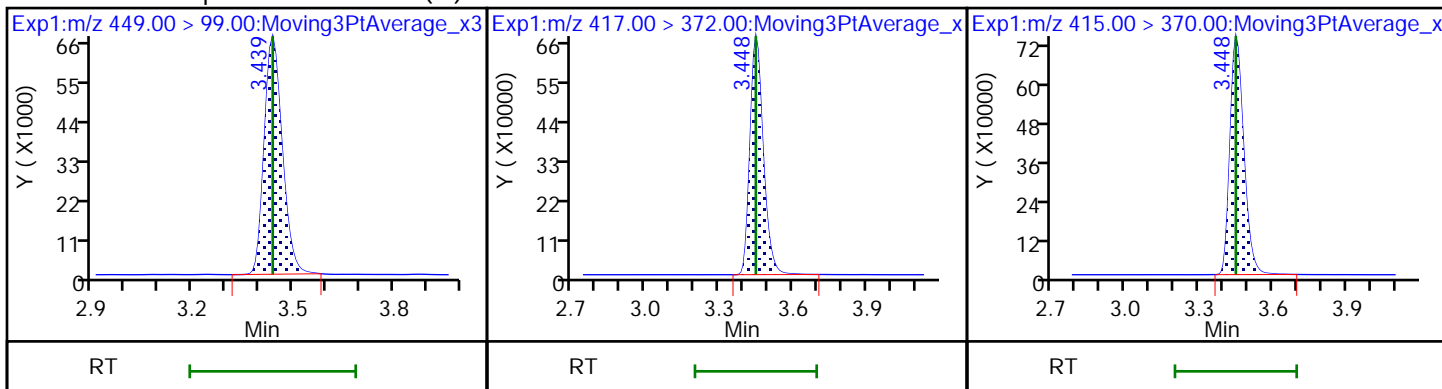
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 6 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

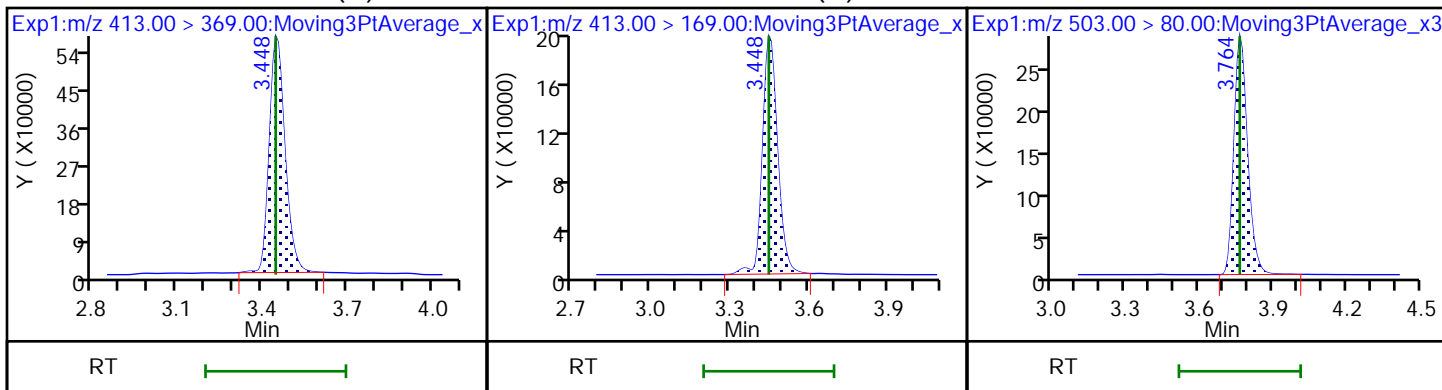
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

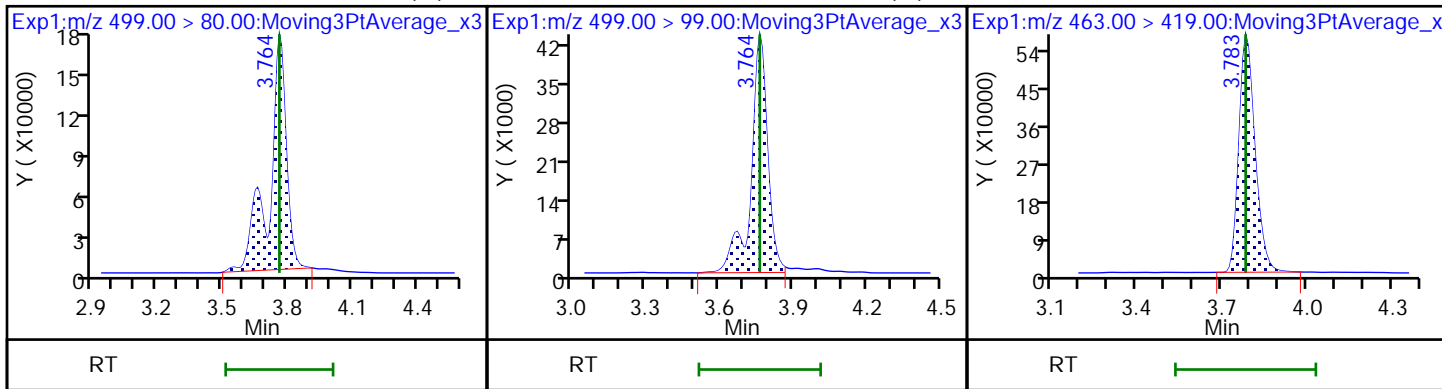
D 18 13C4 PFOS

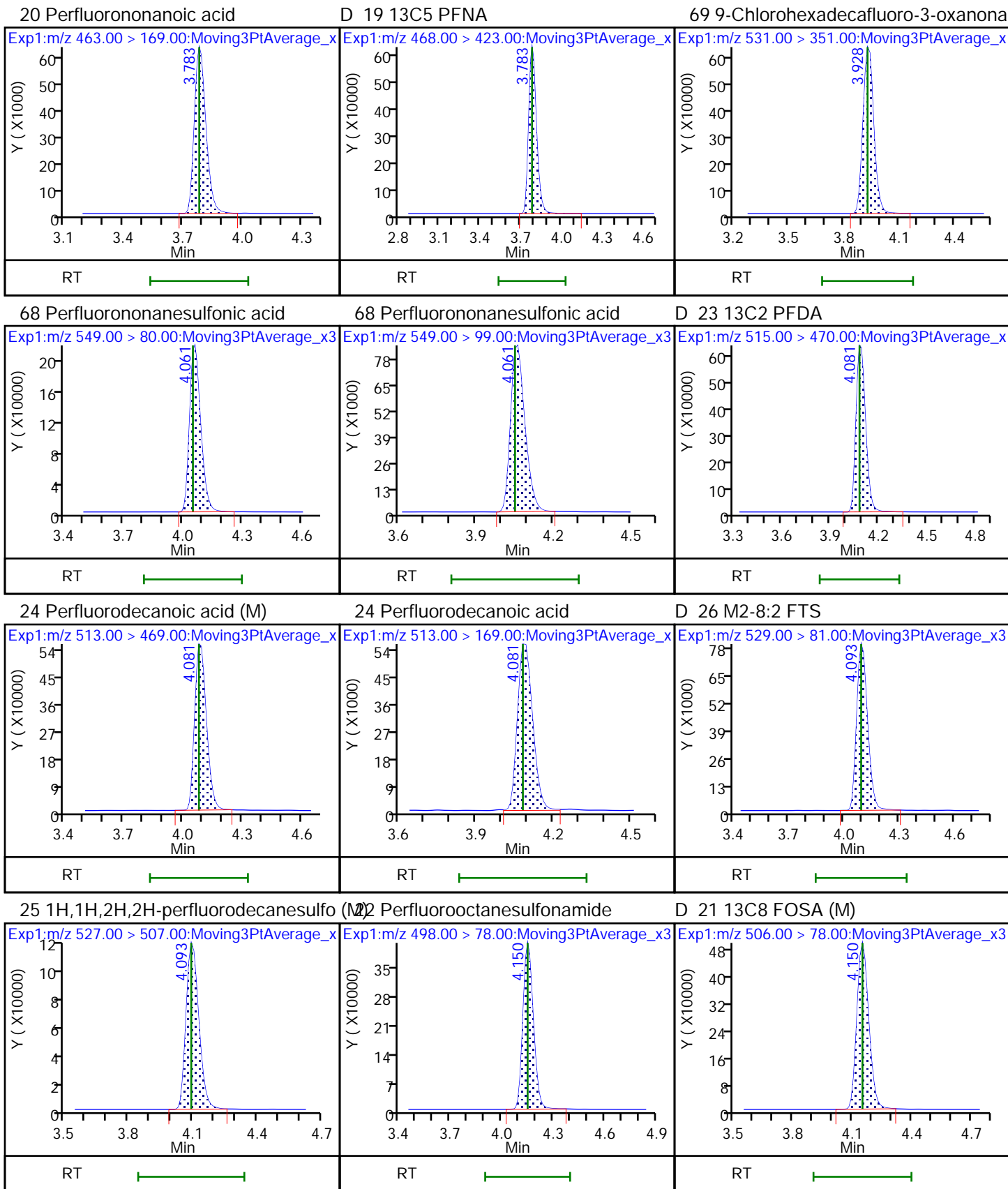


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

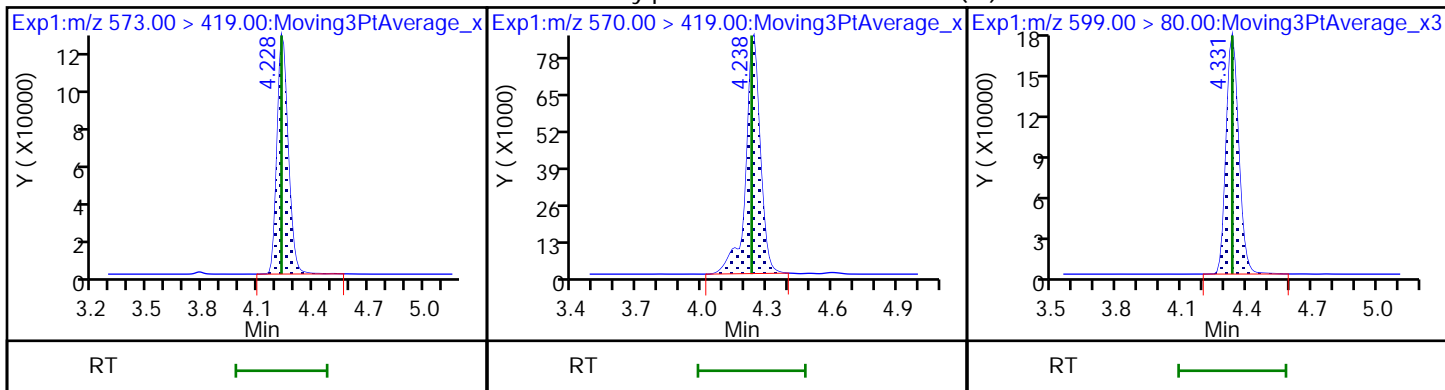
20 Perfluorononanoic acid





D 27 d3-NMeFOSAA

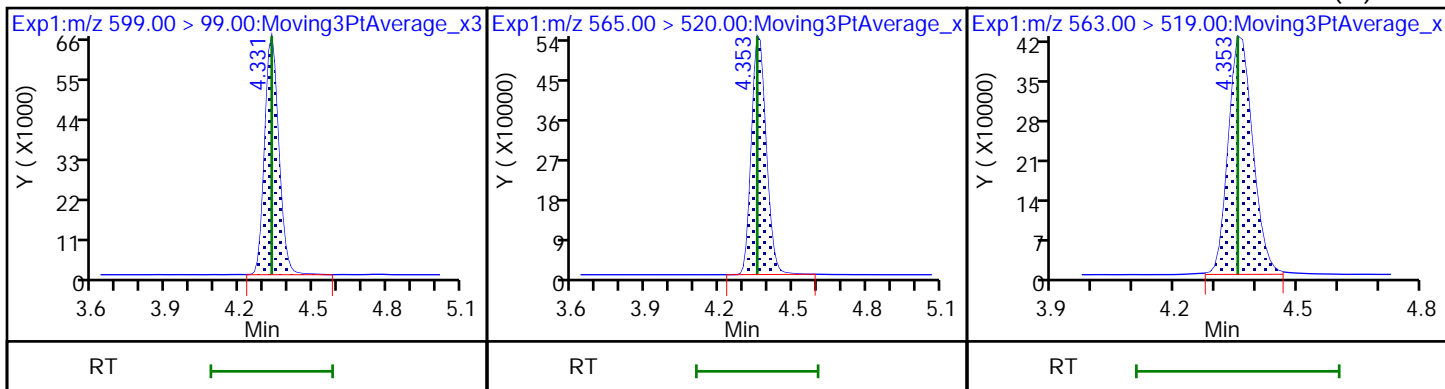
28 N-methylperfluorooctanesulfonami (M) 29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid

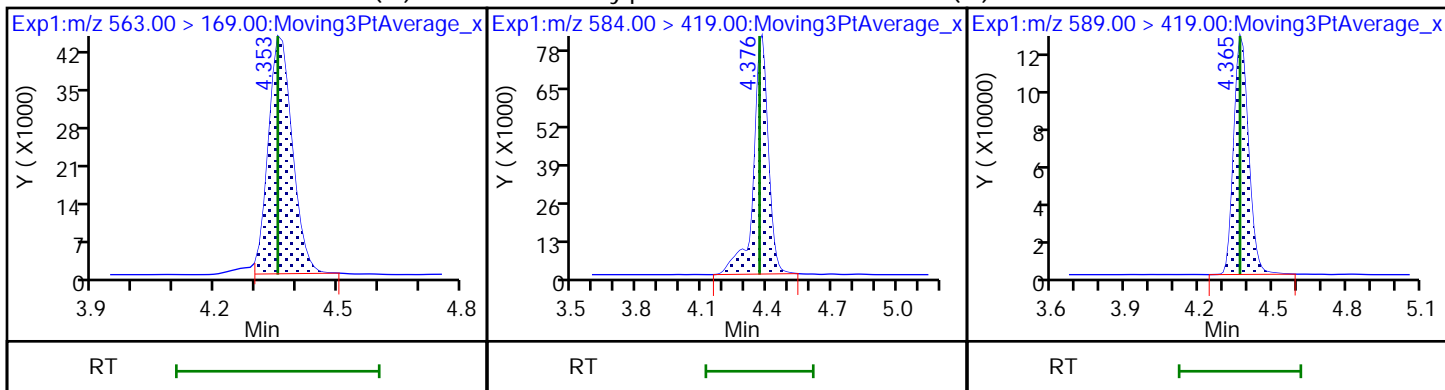
D 30 13C2 PFUnA

31 Perfluoroundecanoic acid (M)



31 Perfluoroundecanoic acid (M)

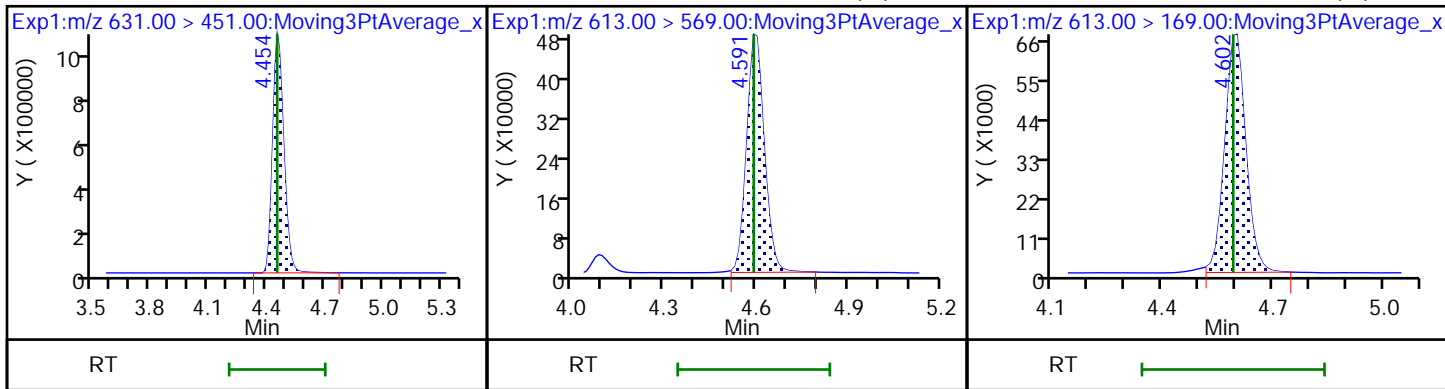
33 N-ethylperfluorooctanesulfonamid (N) 32 d5-NEtFOSAA



66 11-Chloroeicosafluoro-3-oxaundec

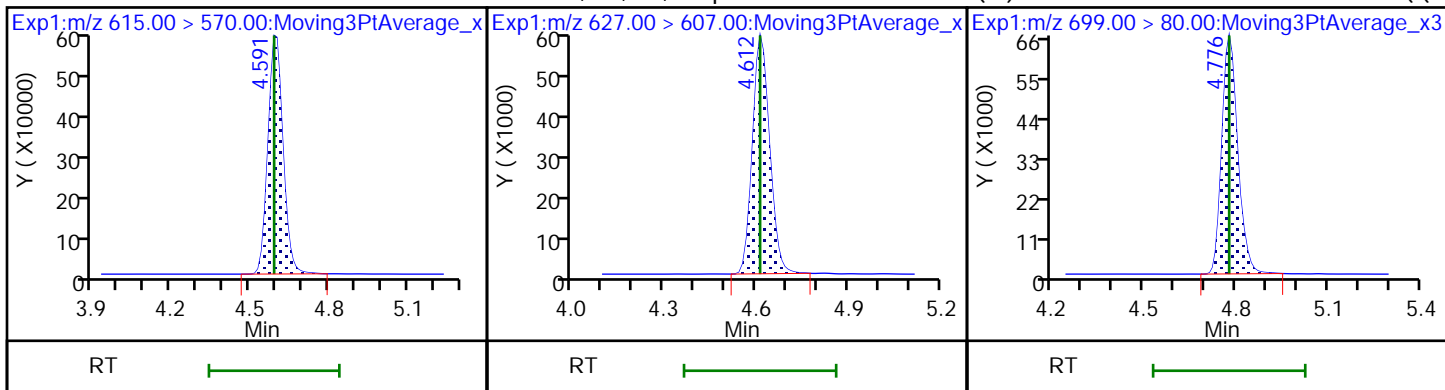
37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid (M)



D 36 13C2 PFDoA

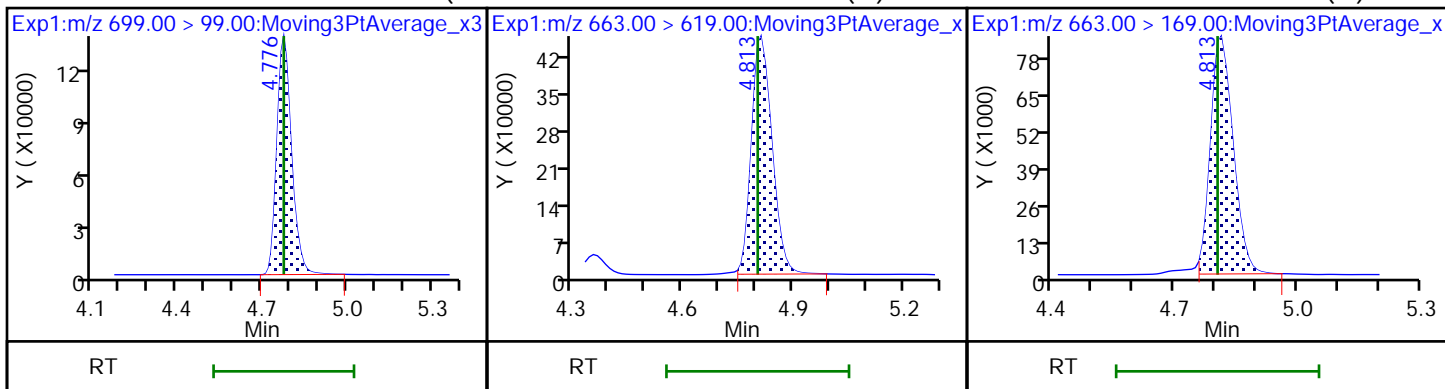
74 1H,1H,2H,2H-perfluorododecanesul (M) Perfluorododecanesulfonic acid ((M)



75 Perfluorododecanesulfonic acid (

41 Perfluorotridecanoic acid (M)

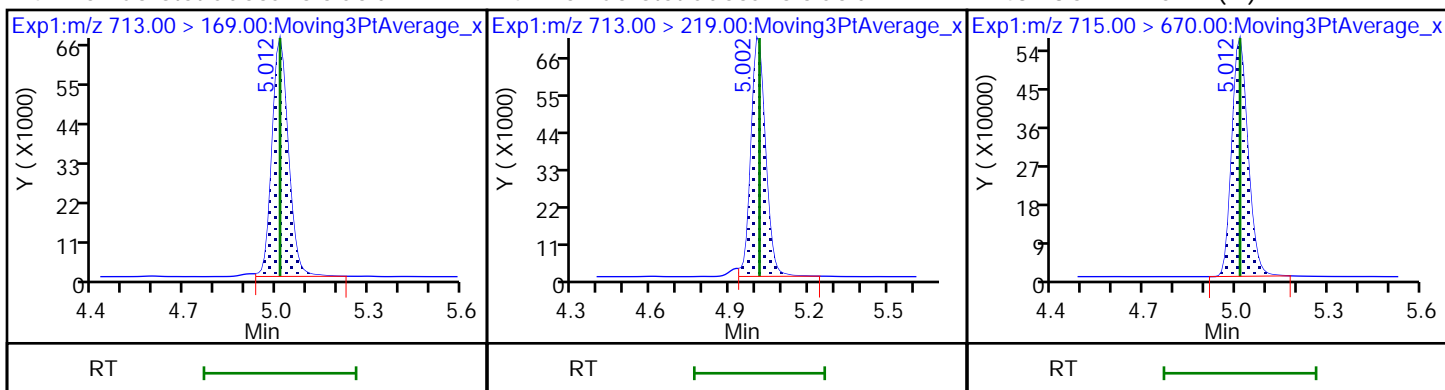
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid

42 Perfluorotetradecanoic acid

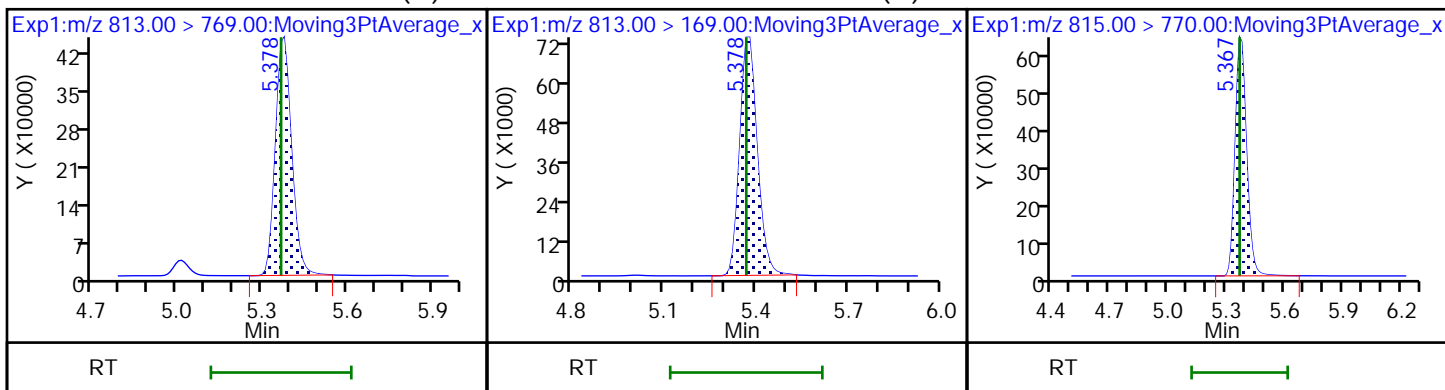
D 43 13C2 PFTeDA (M)



45 Perfluorohexadecanoic acid (M)

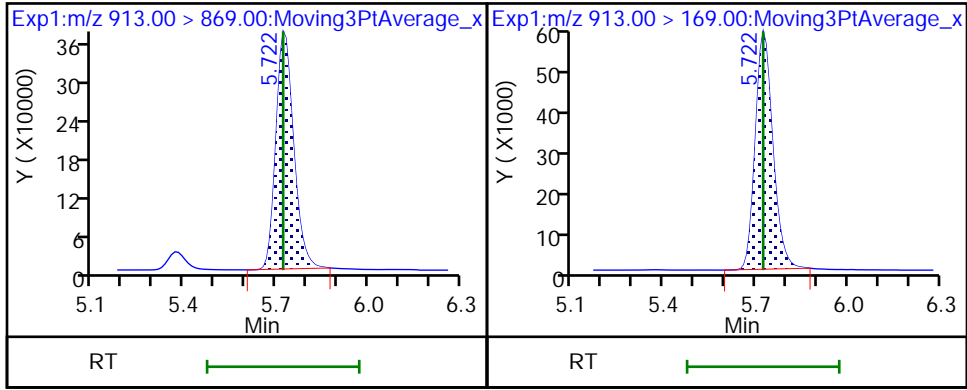
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



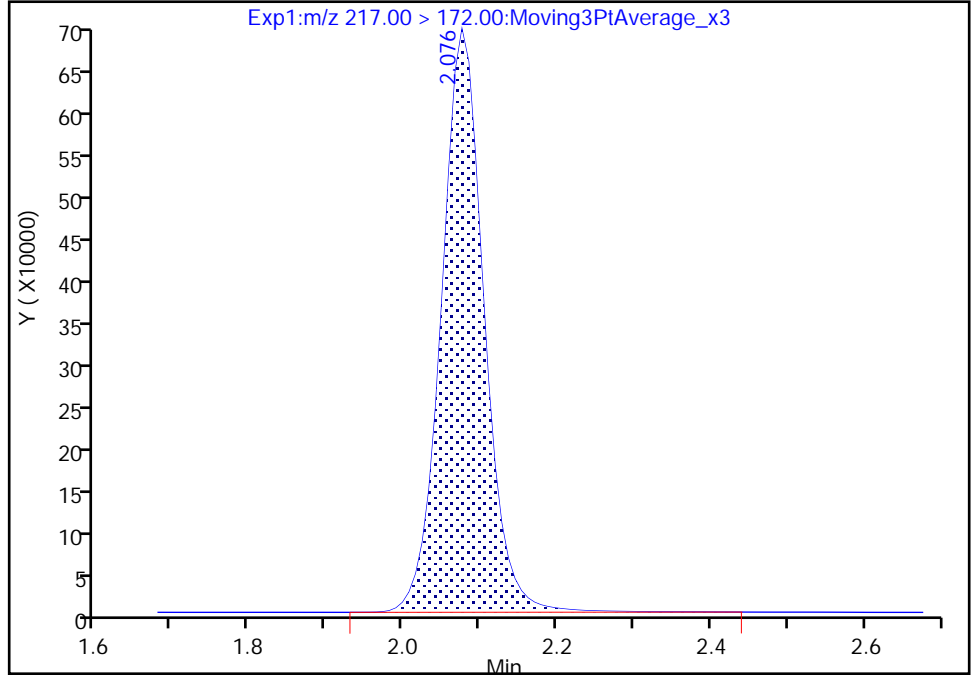
Eurofins Burlington

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 1 13C4 PFBA, CAS: STL00992
Signal: 1

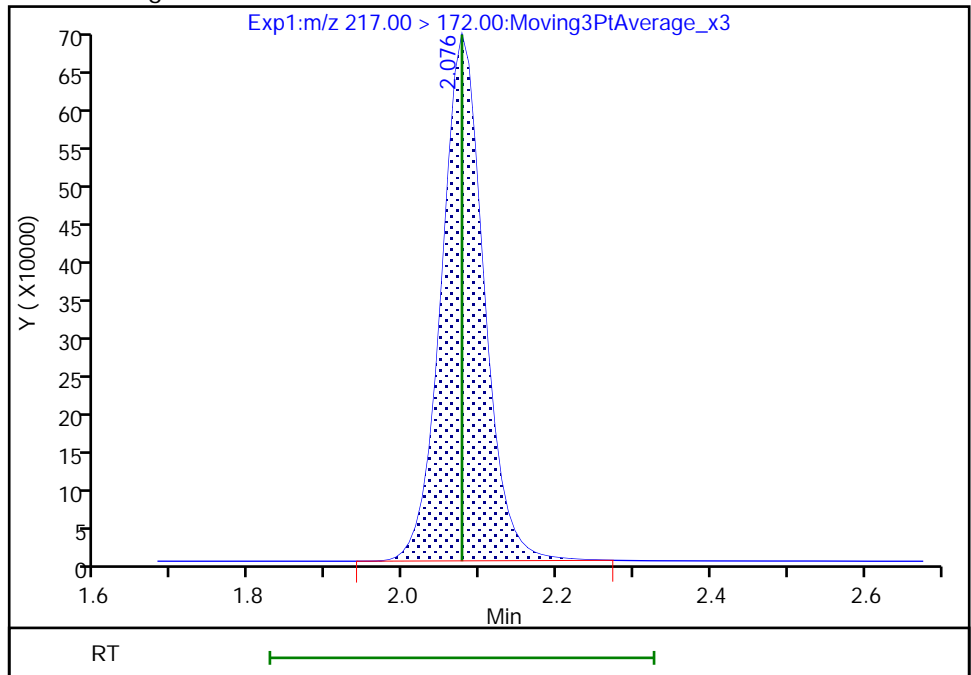
RT: 2.08
Area: 2683228
Amount: 1.030340
Amount Units: ng/ml

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

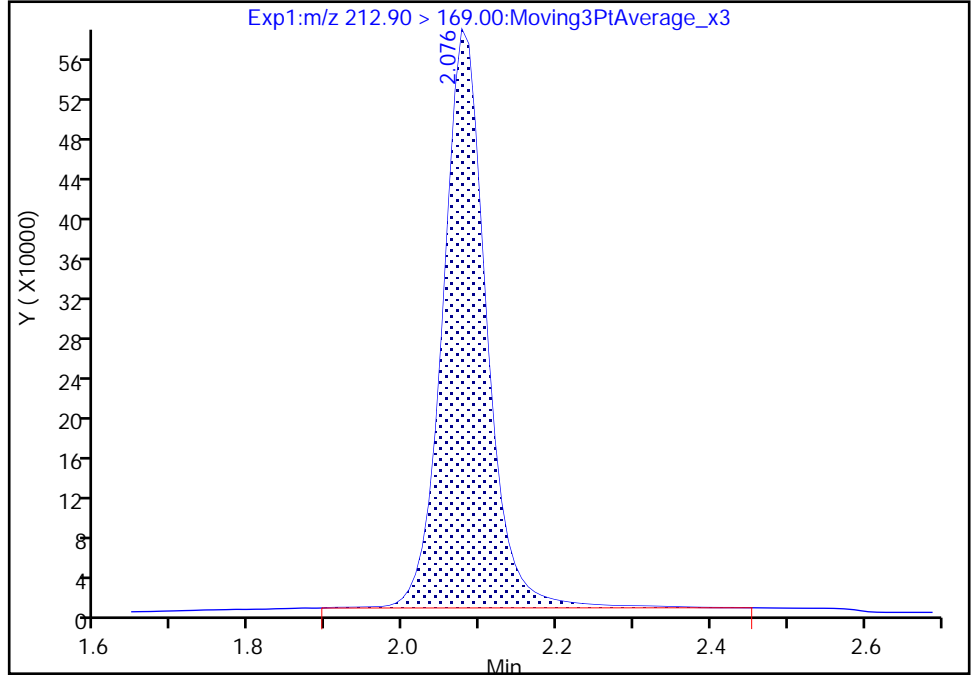
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

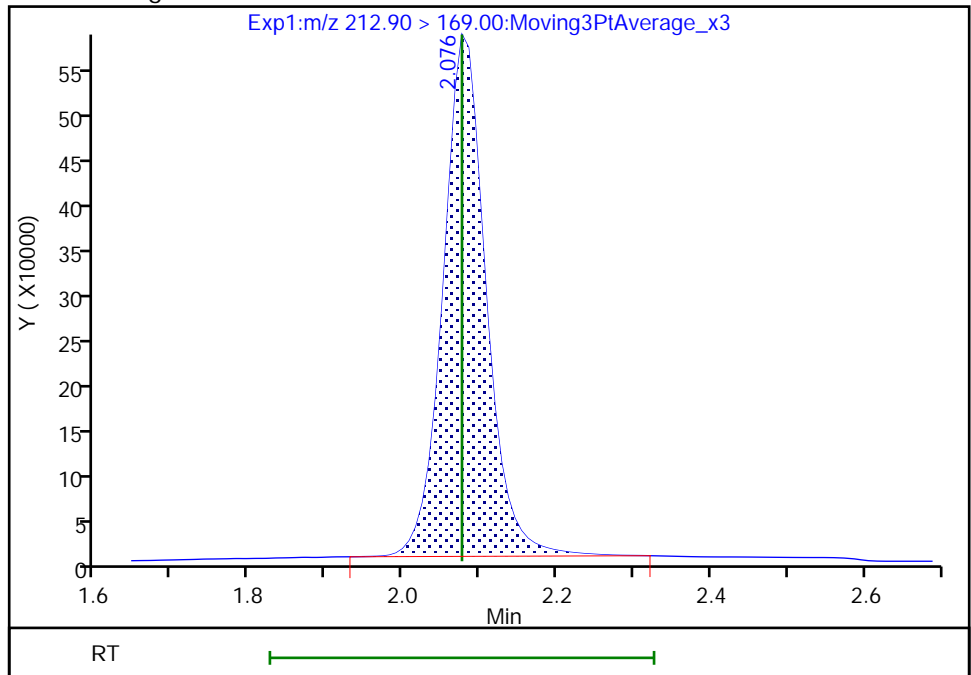
RT: 2.08
Area: 2274782
Amount: 1.032610
Amount Units: ng/ml

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

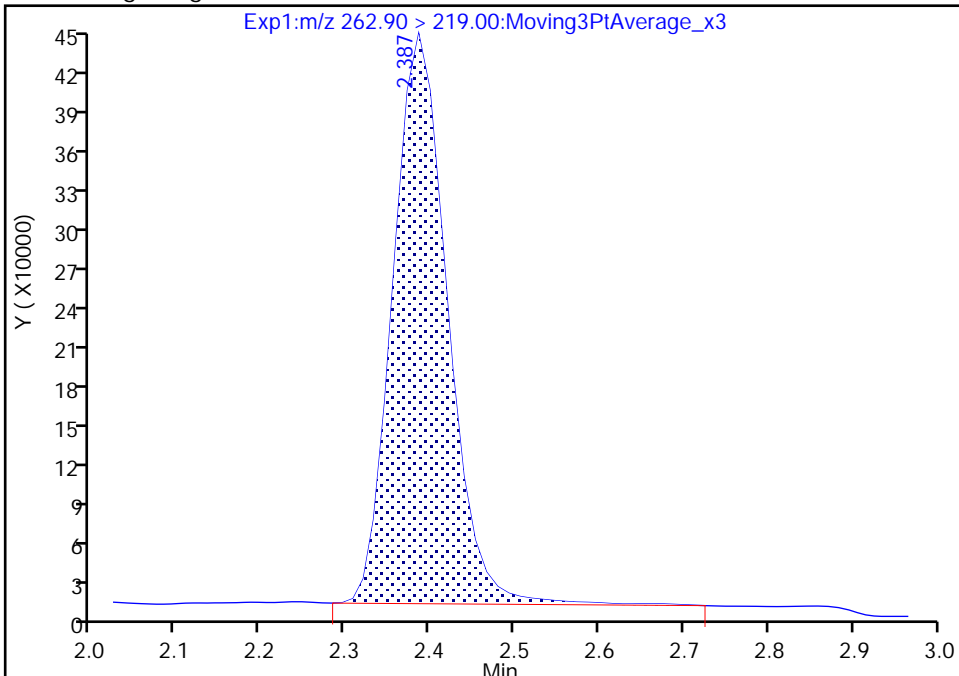
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

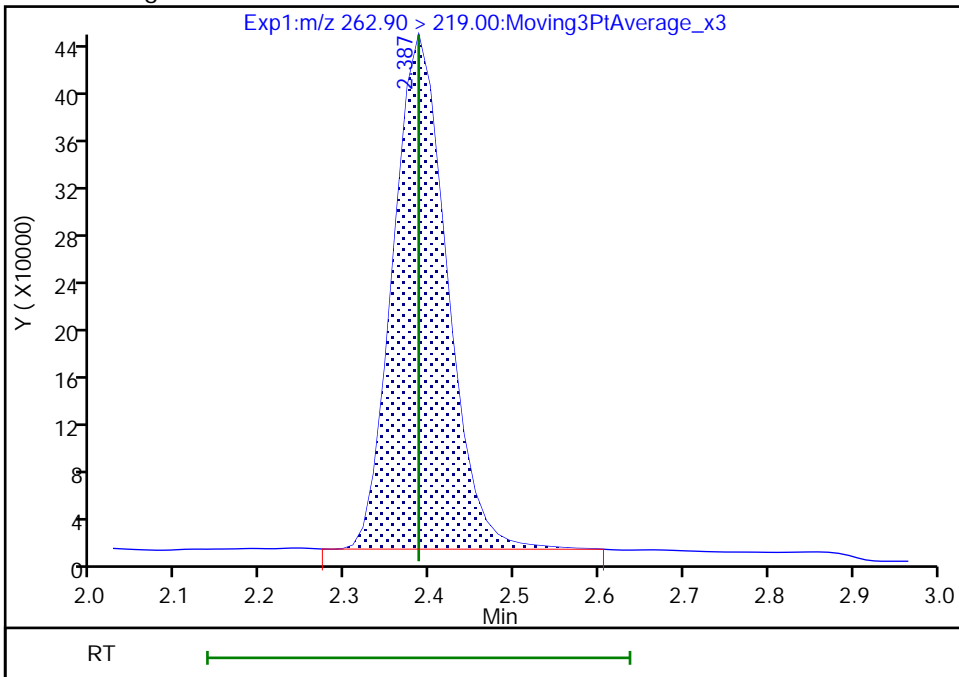
RT: 2.39
Area: 1952031
Amount: 1.086518
Amount Units: ng/ml

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

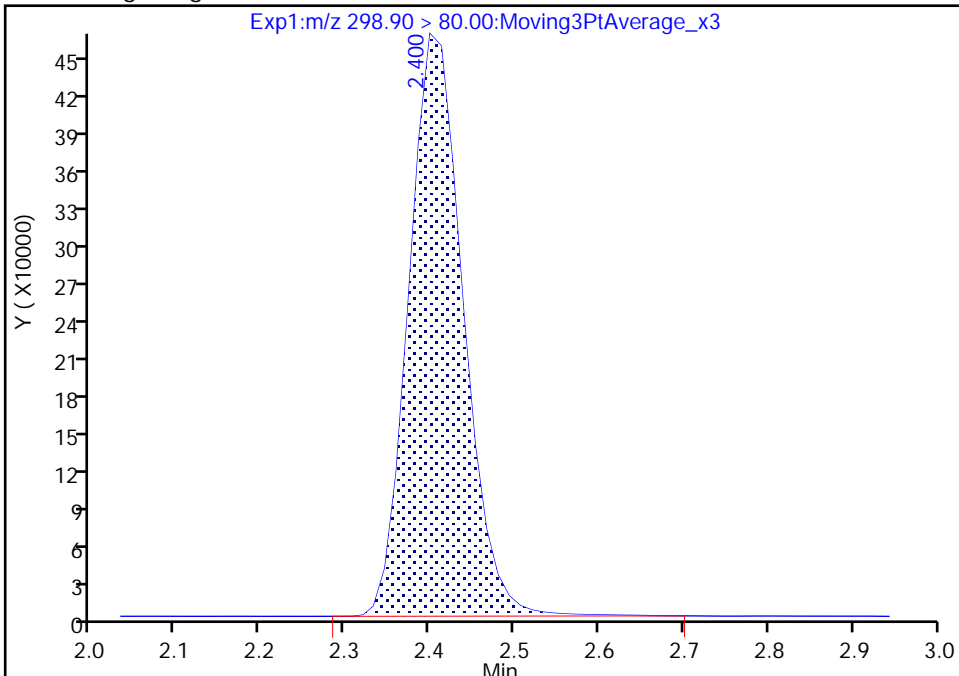
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

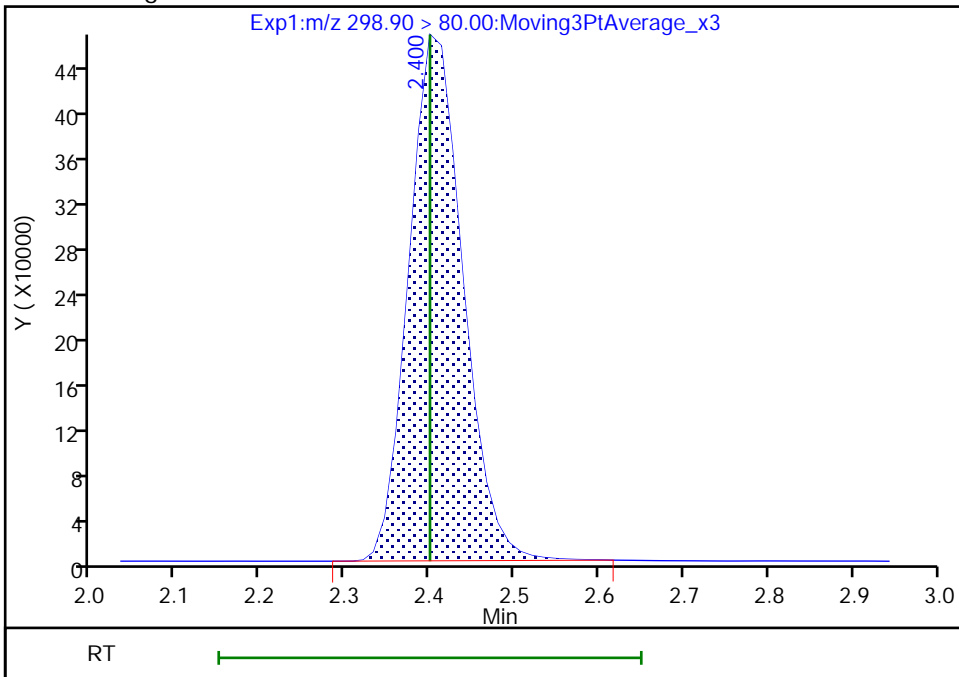
RT: 2.40
Area: 2078717
Amount: 0.981767
Amount Units: ng/ml

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

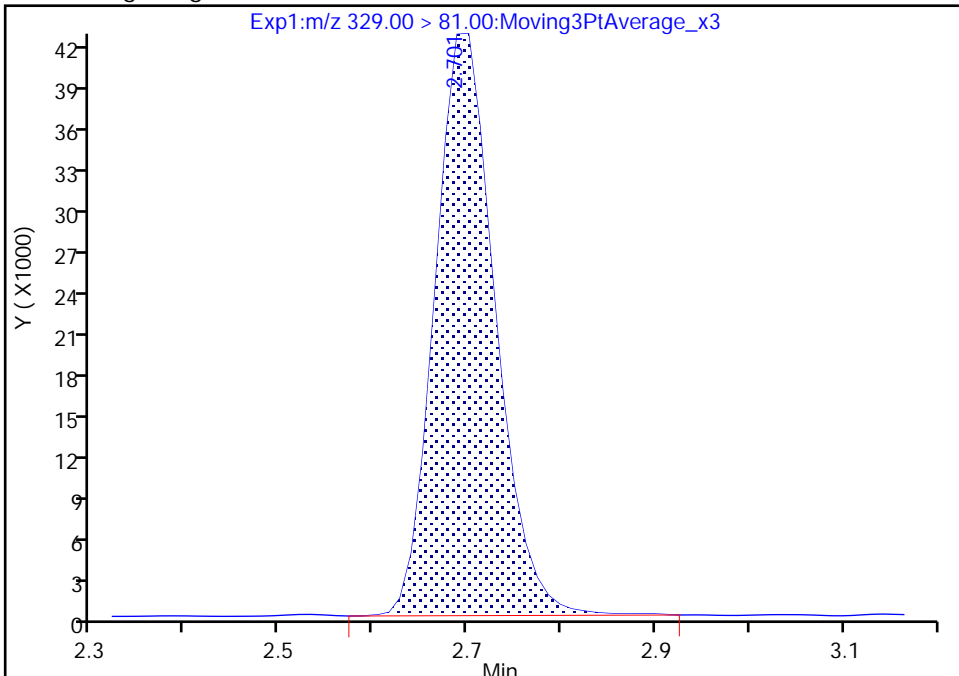
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 60 M2-4:2 FTS, CAS: STL02395

Signal: 1

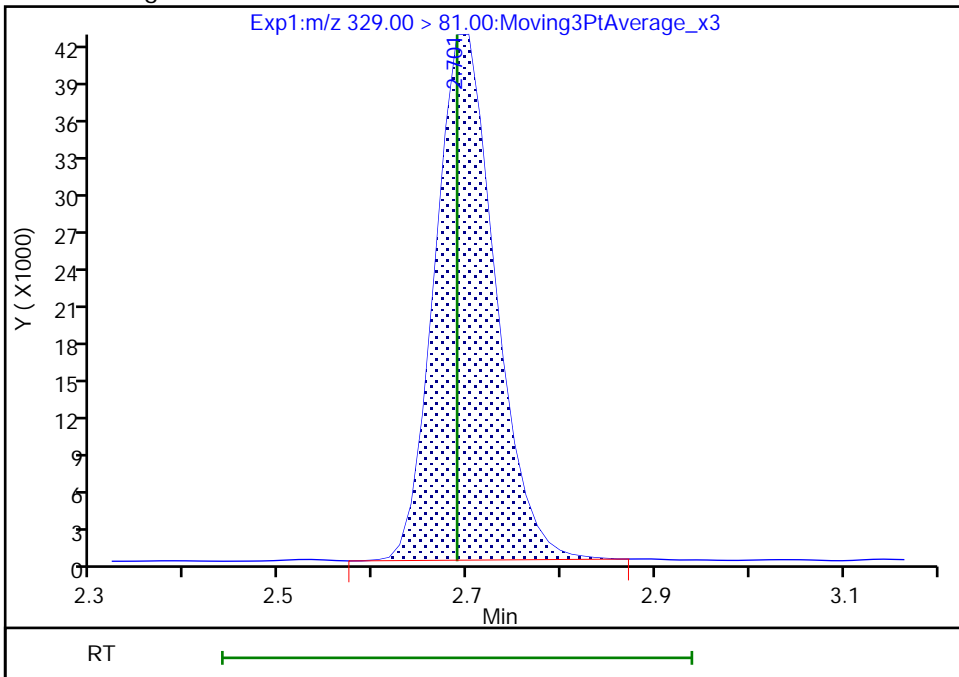
RT: 2.70
Area: 187018
Amount: 0.982209
Amount Units: ng/ml

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
Page 461 of 939

Eurofins Burlington

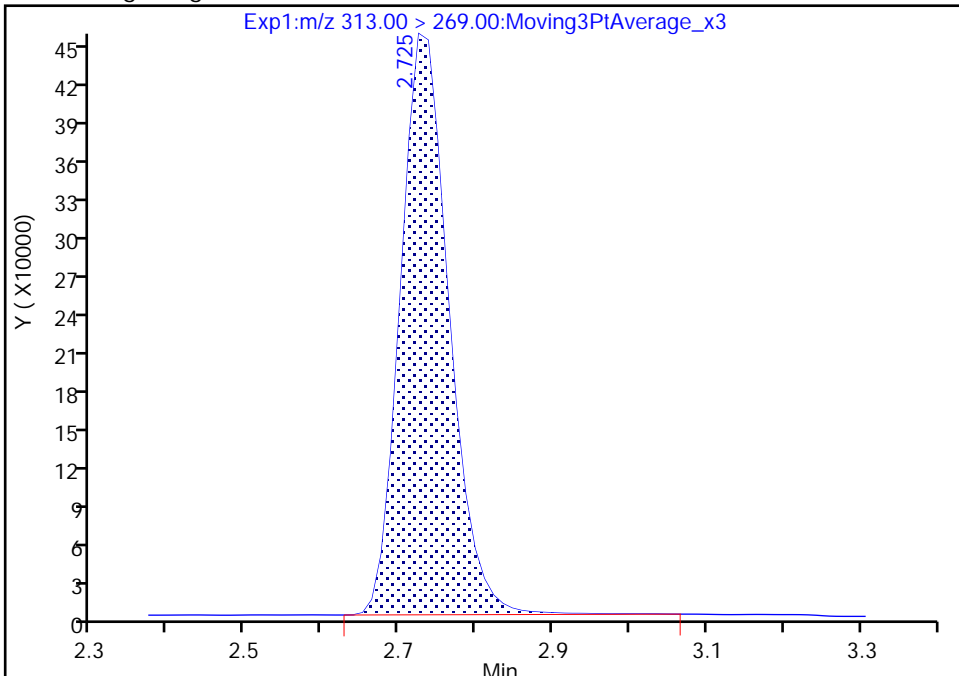
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

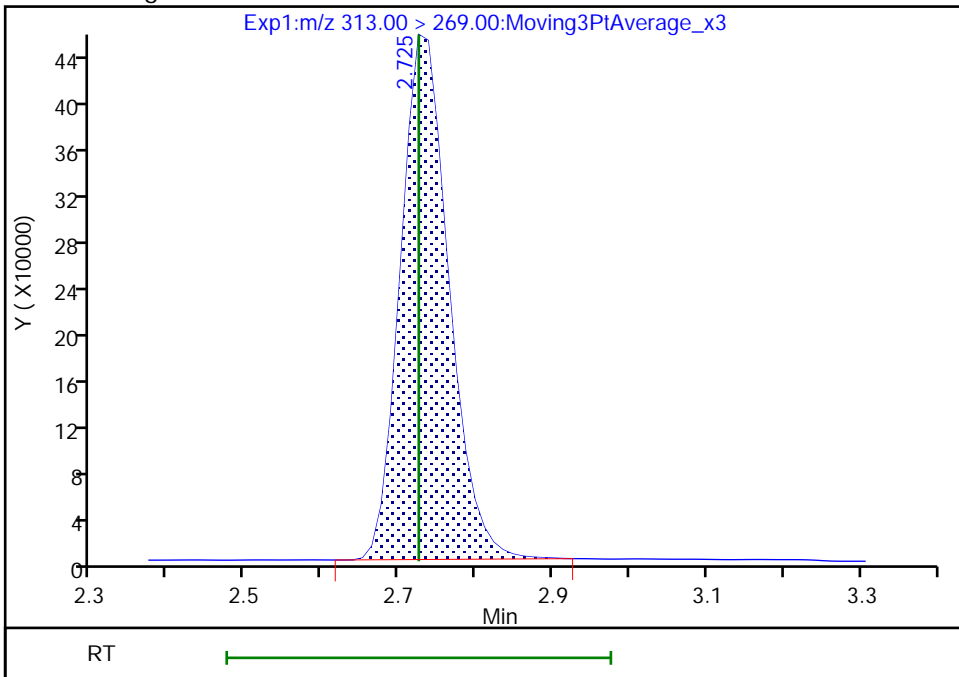
RT: 2.73
Area: 1996563
Amount: 1.018646
Amount Units: ng/ml

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

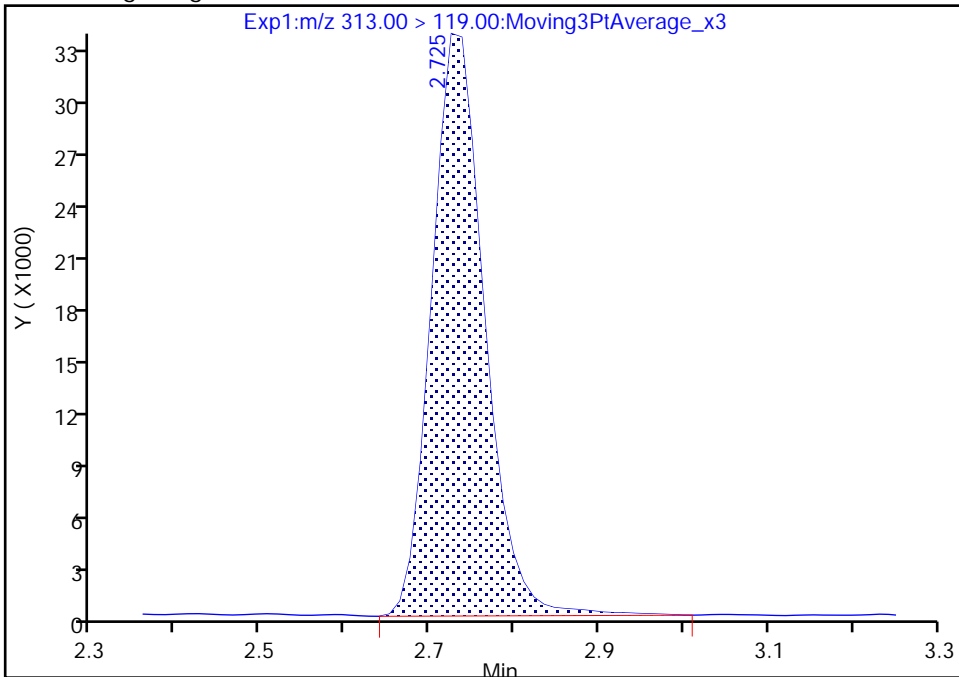
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

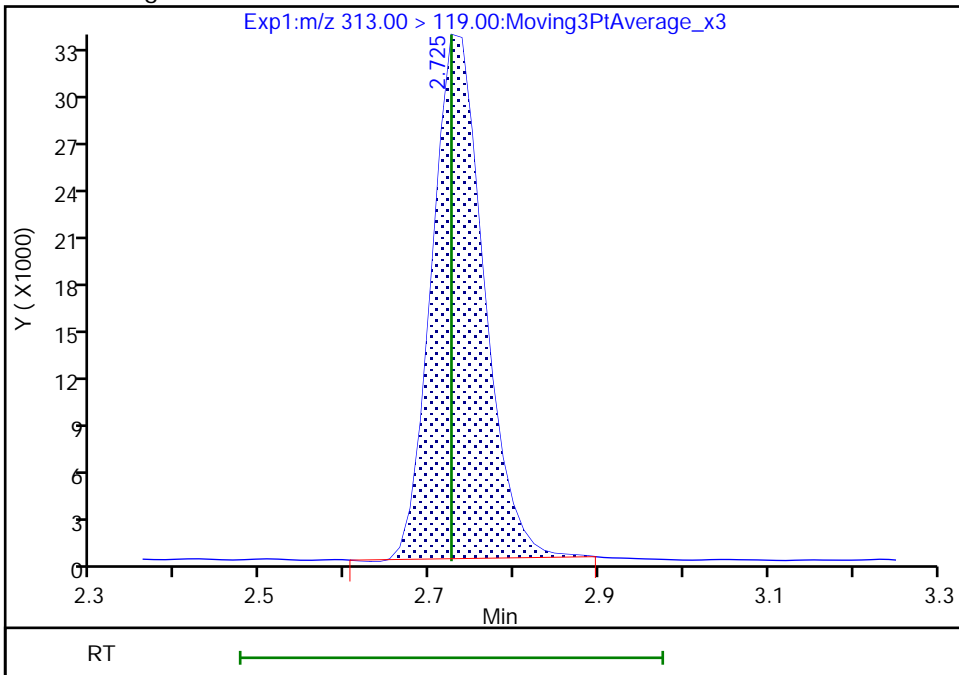
RT: 2.73
Area: 144299
Amount: 1.018646
Amount Units: ng/ml

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

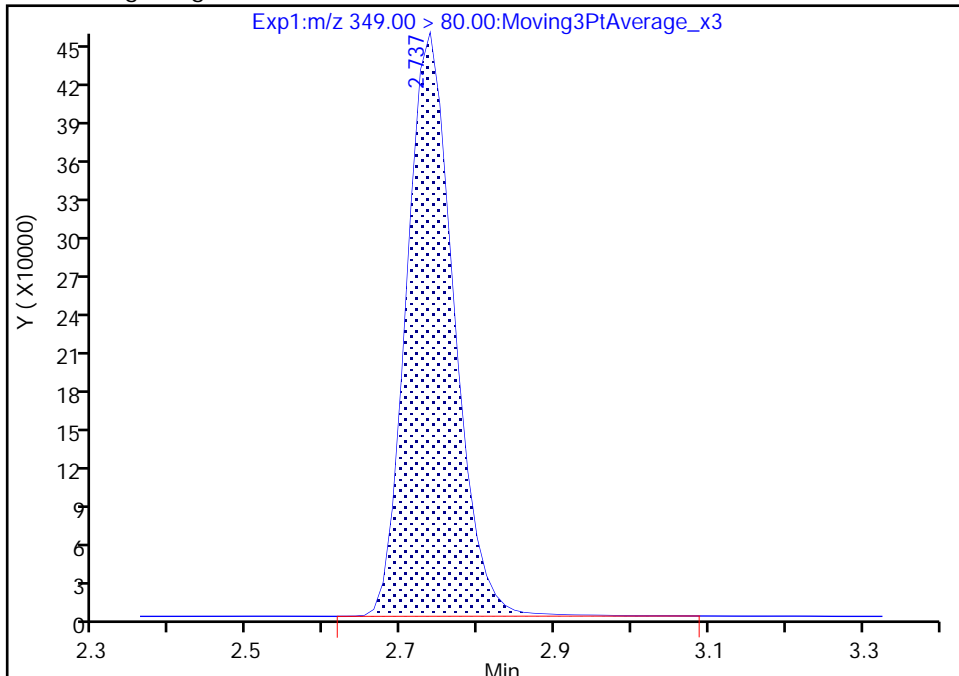
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

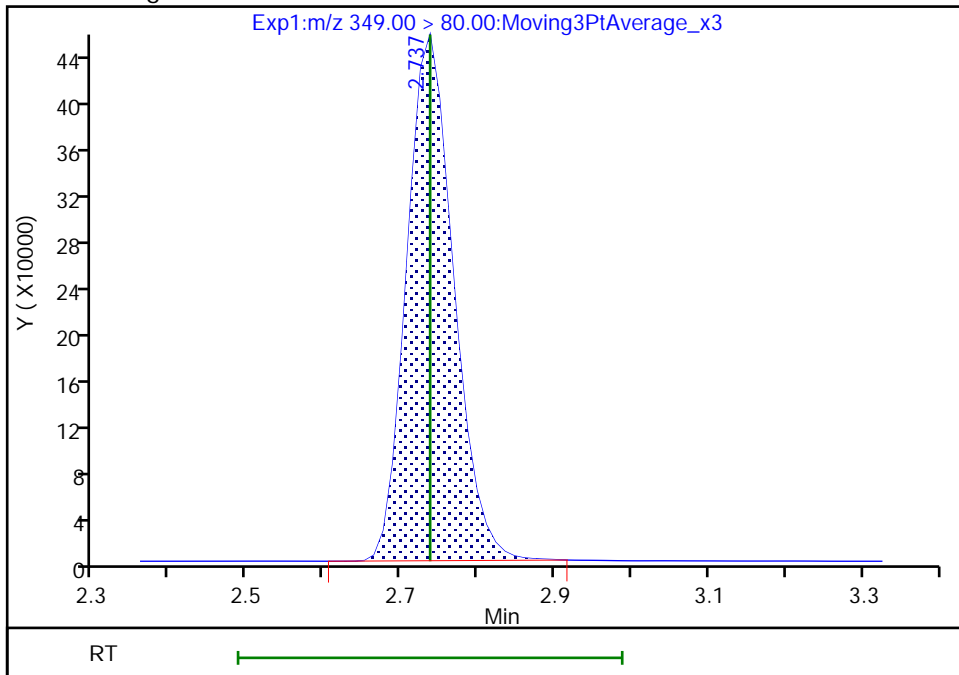
RT: 2.74
Area: 1936279
Amount: 1.104646
Amount Units: ng/ml

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

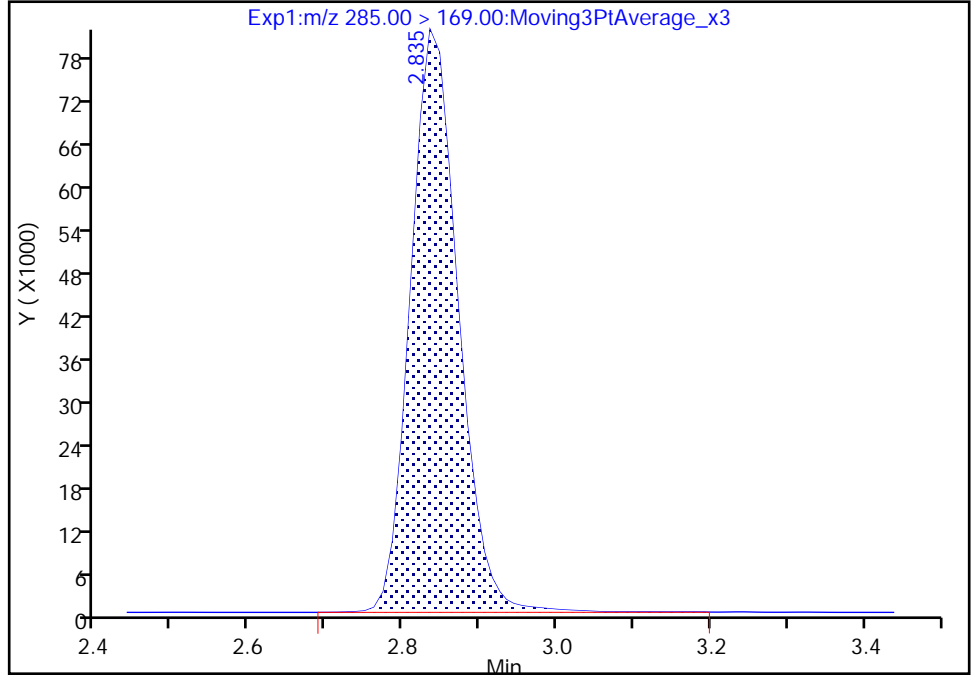
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

67 Perfluoro(2-propoxypropanoic) ac, CAS: 13252-13-6

Signal: 1

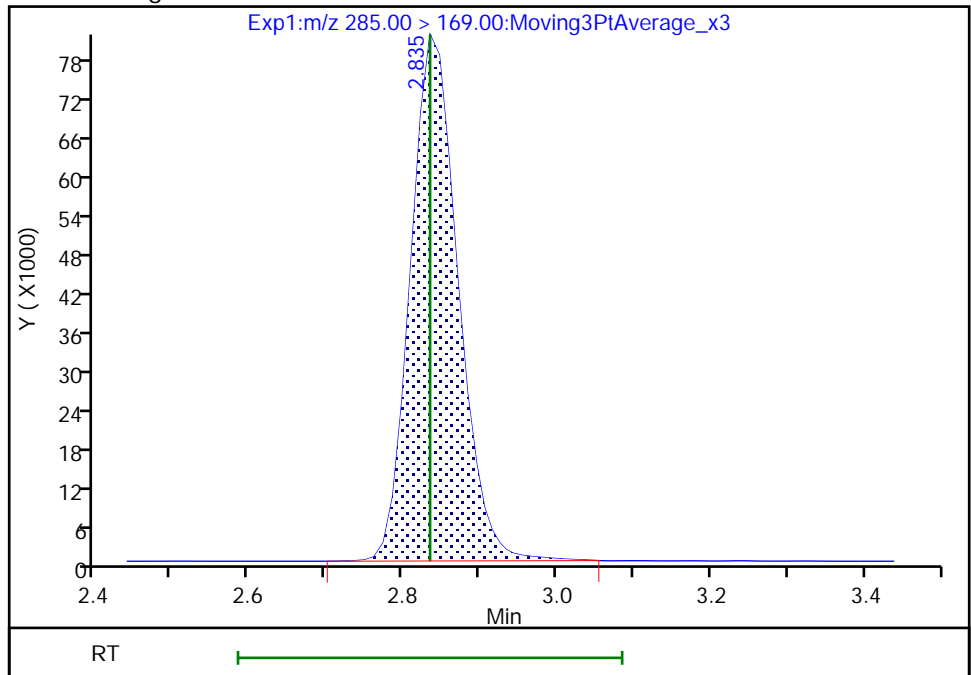
RT: 2.83
Area: 349656
Amount: 1.072576
Amount Units: ng/ml

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

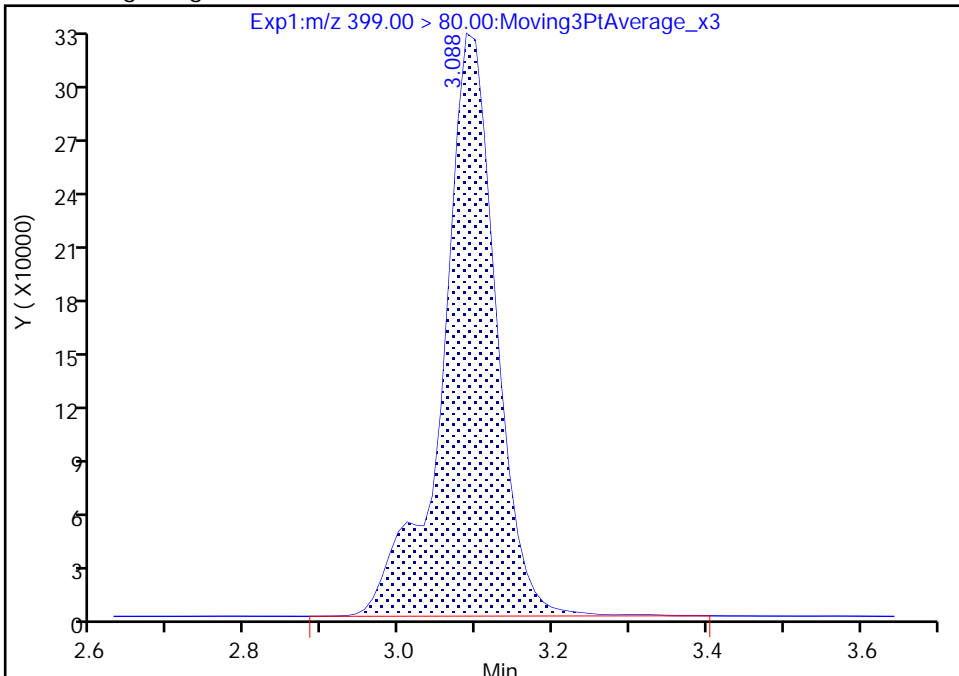
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

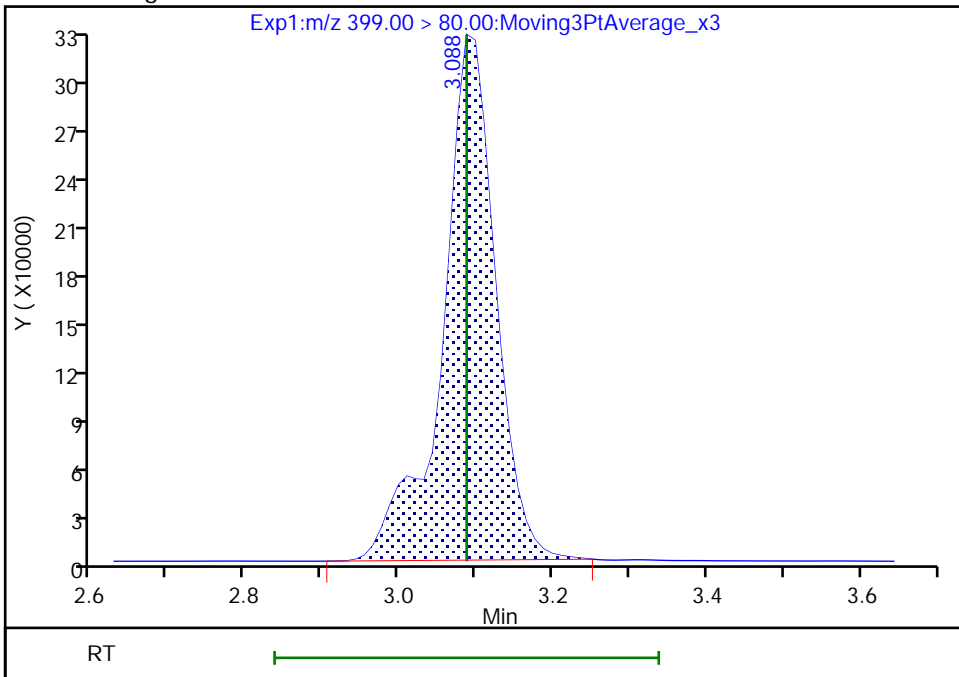
RT: 3.09
Area: 1580261
Amount: 1.066710
Amount Units: ng/ml

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

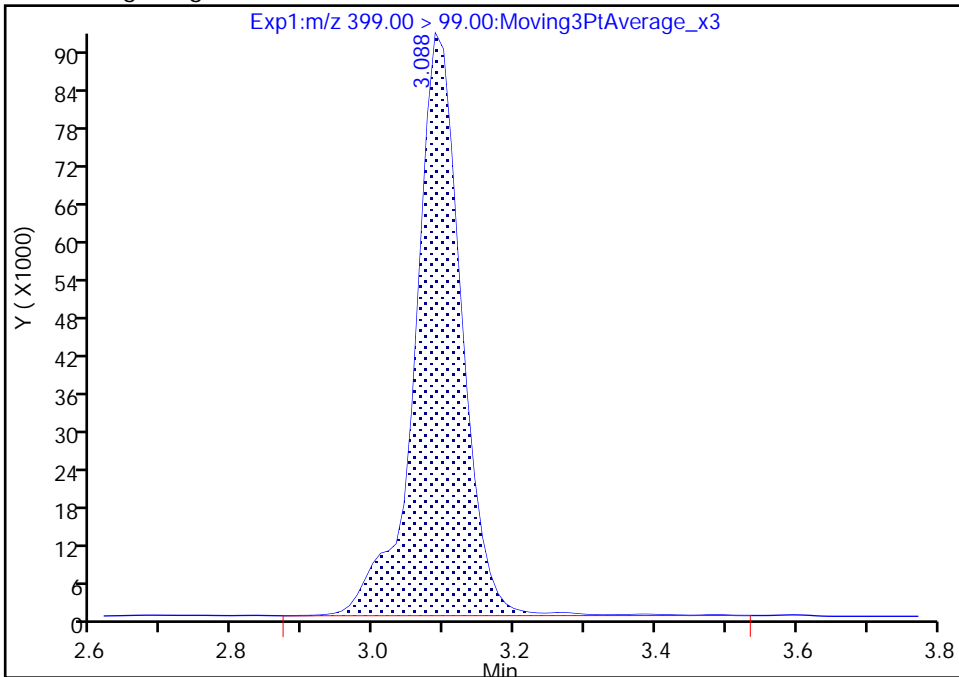
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

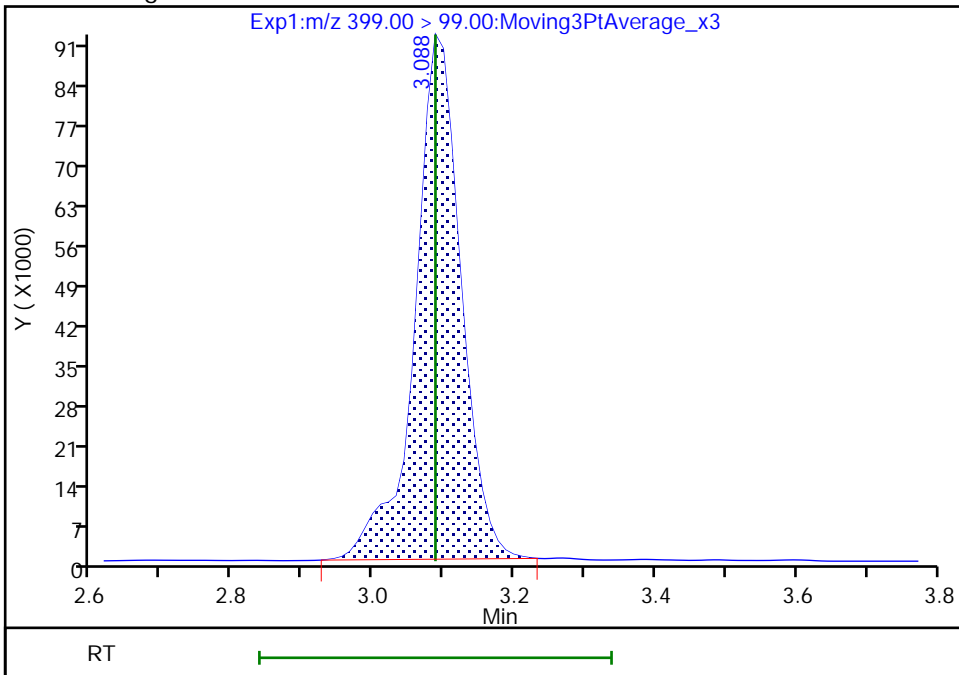
RT: 3.09
Area: 423789
Amount: 1.066710
Amount Units: ng/ml

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

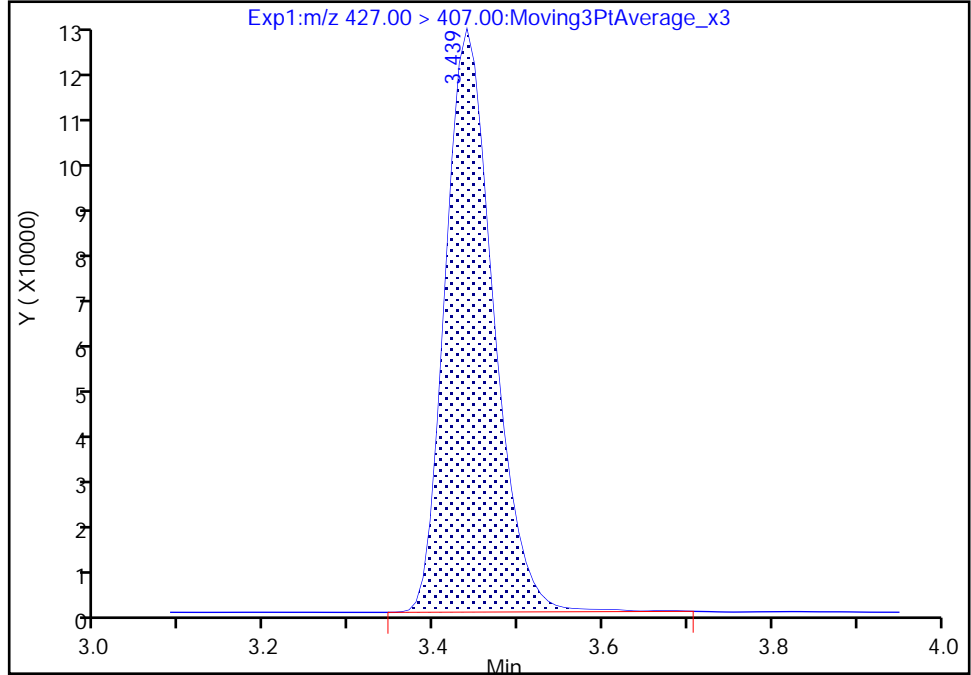
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

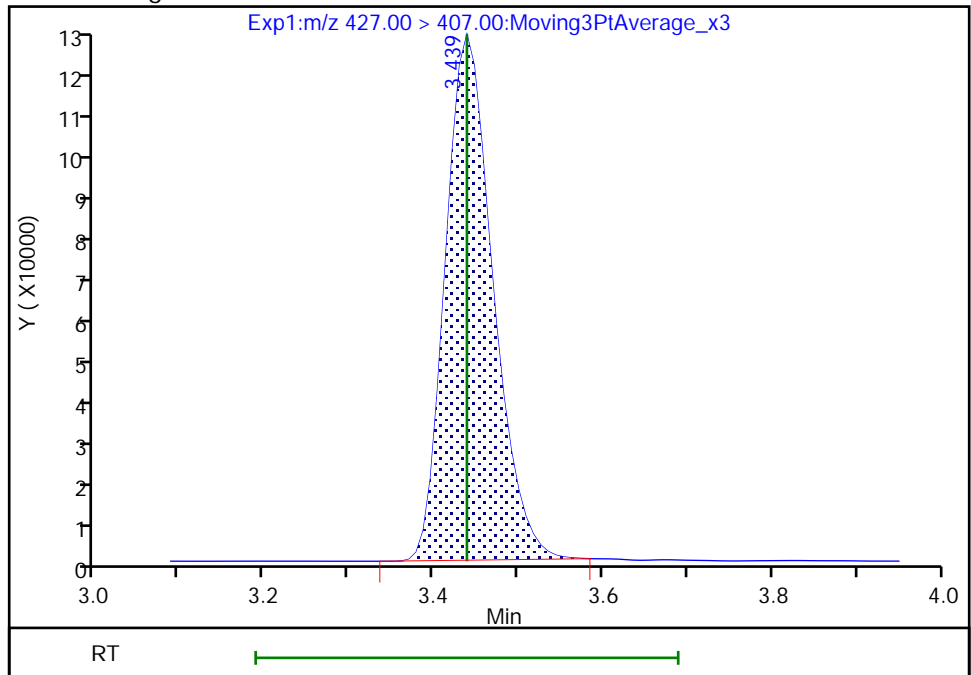
RT: 3.44
Area: 502234
Amount: 1.072151
Amount Units: ng/ml

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

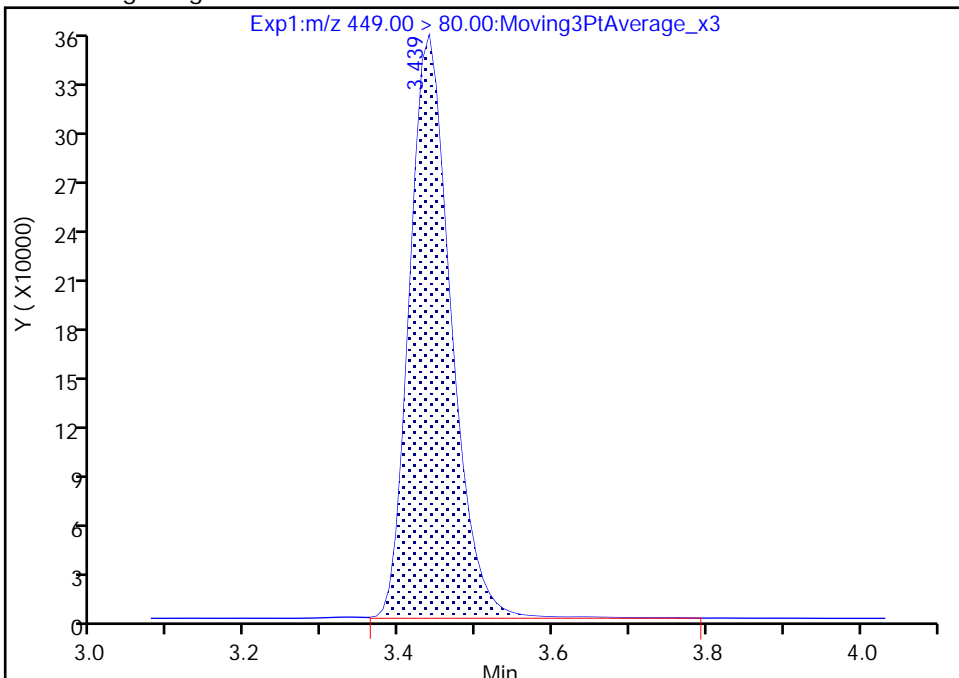
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

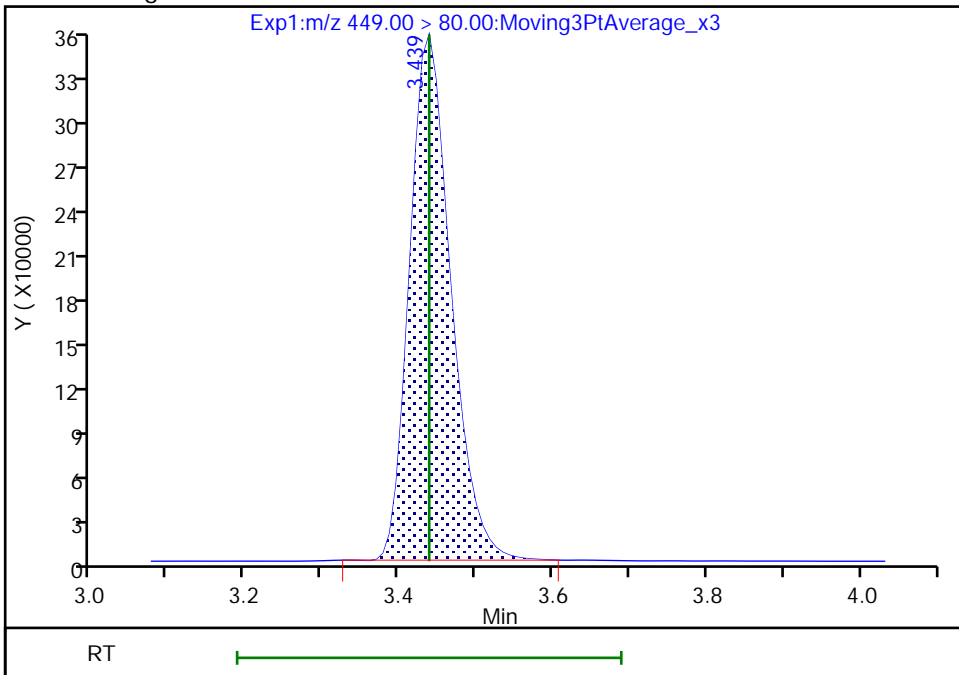
RT: 3.44
Area: 1318008
Amount: 1.043678
Amount Units: ng/ml

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

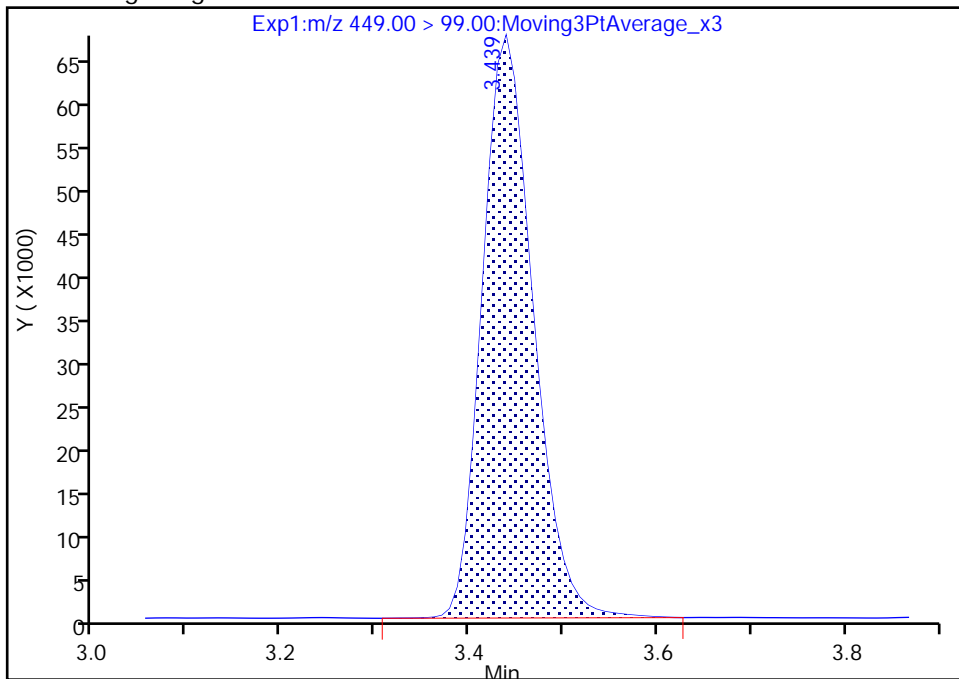
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

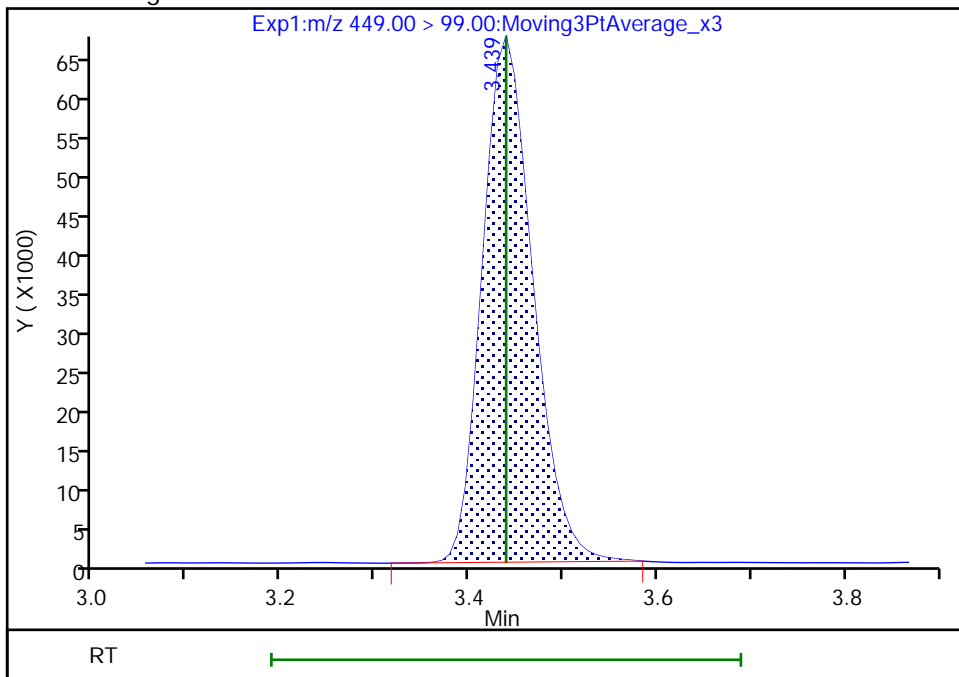
RT: 3.44
Area: 253988
Amount: 1.043678
Amount Units: ng/ml

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

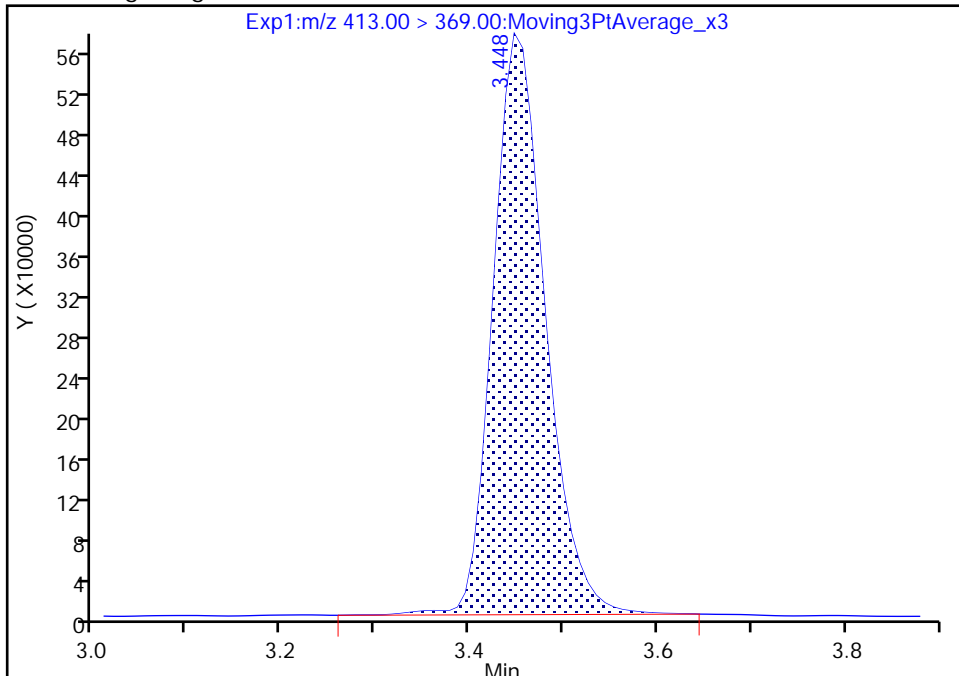
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

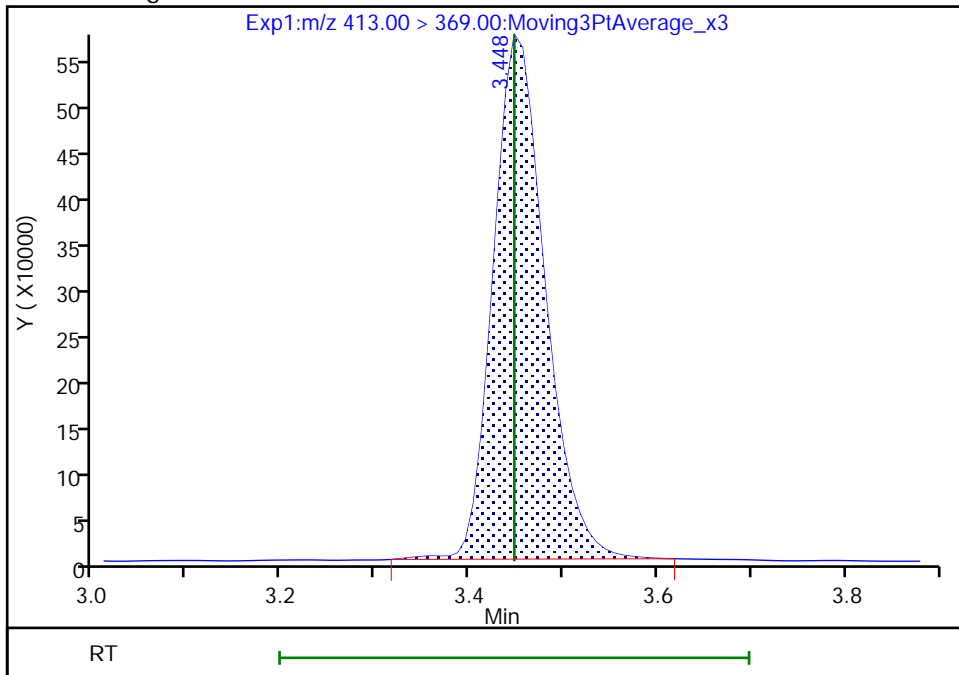
RT: 3.45
Area: 2210155
Amount: 1.028931
Amount Units: ng/ml

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

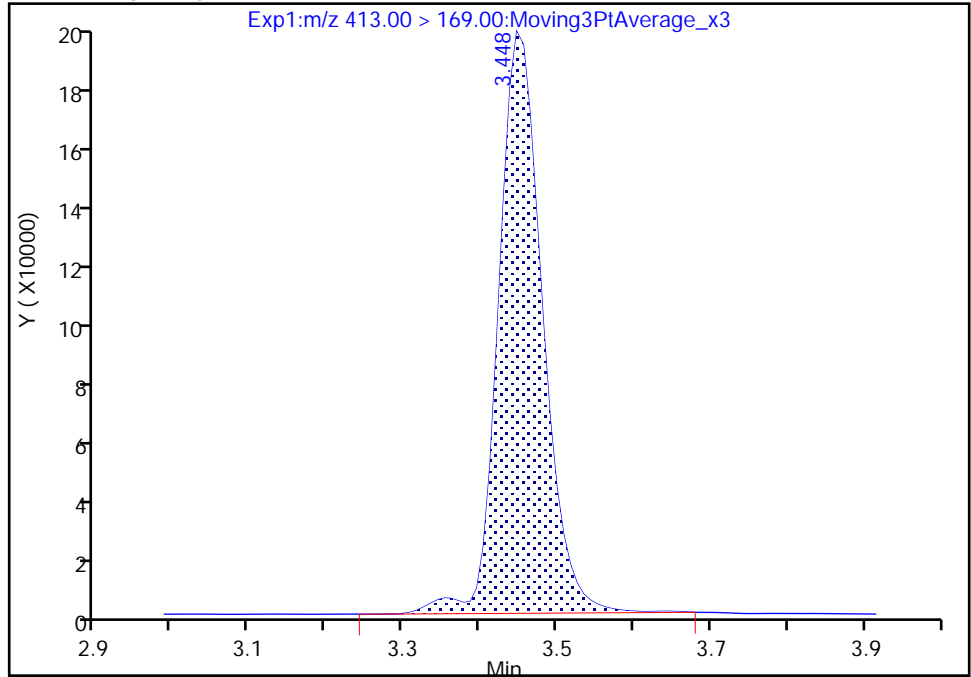
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

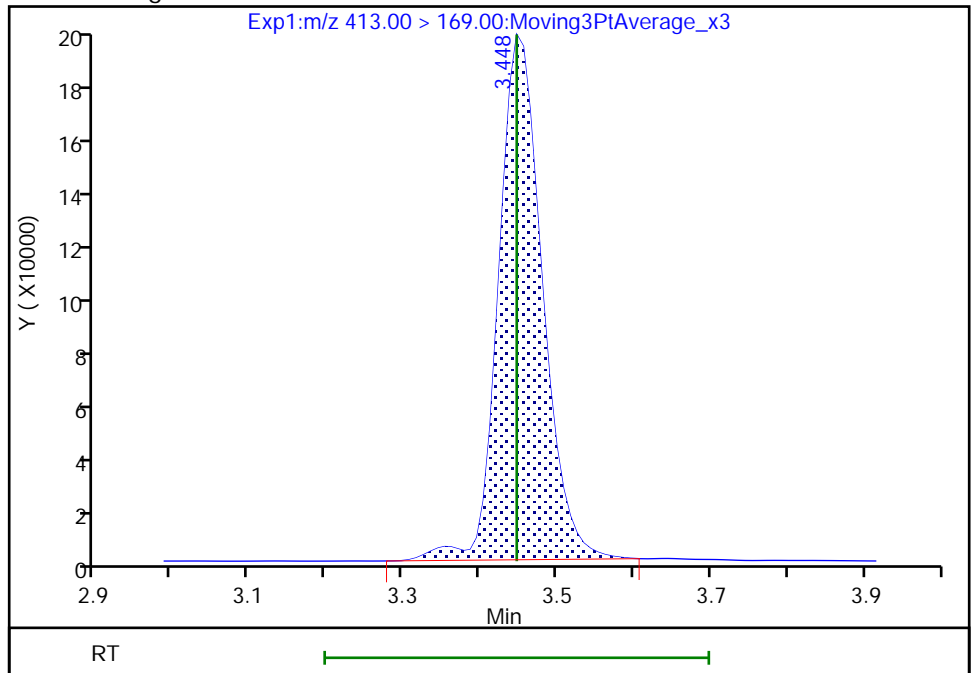
RT: 3.45
Area: 778853
Amount: 1.028931
Amount Units: ng/ml

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

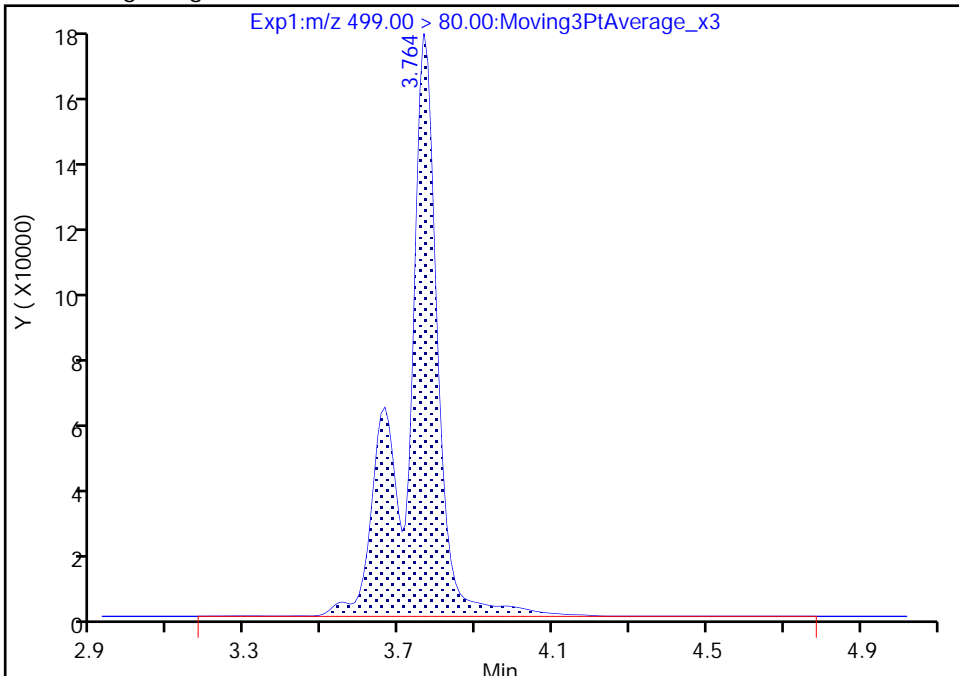
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

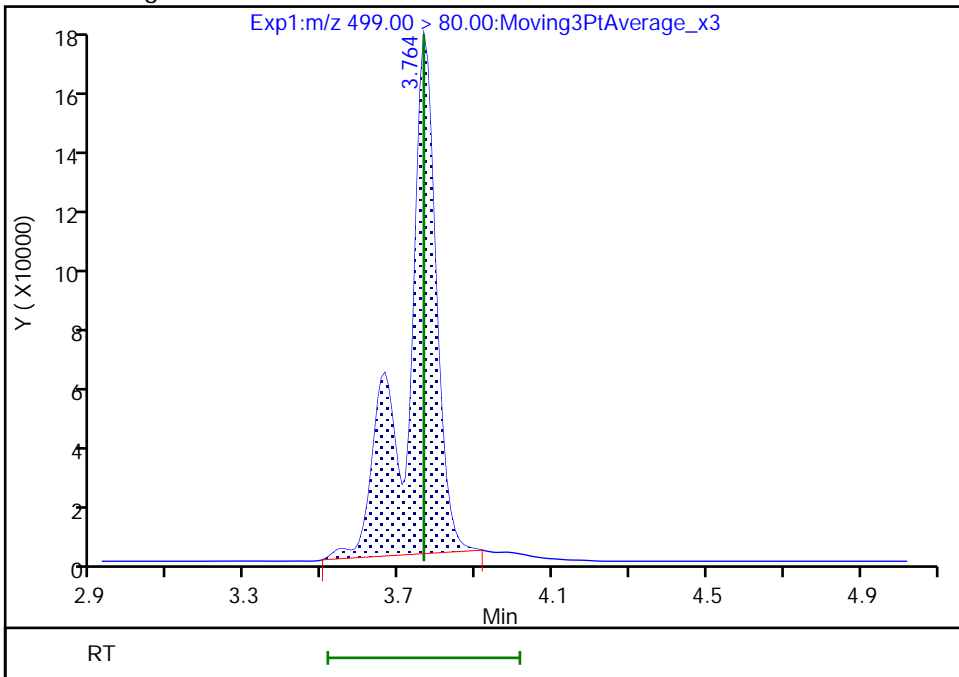
RT: 3.76
Area: 1017852
Amount: 0.925675
Amount Units: ng/ml

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

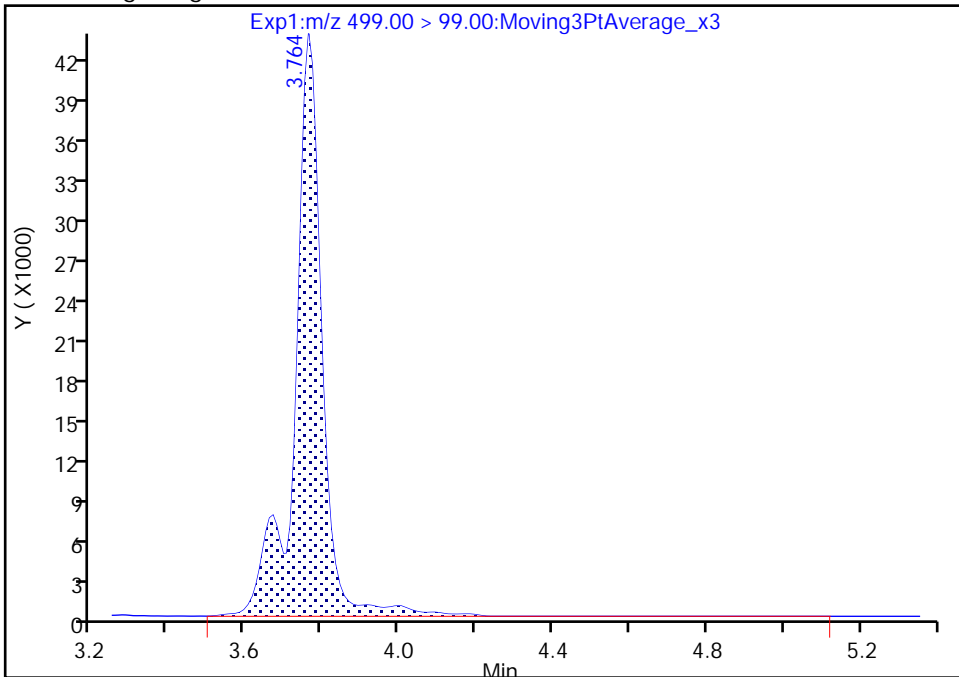
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

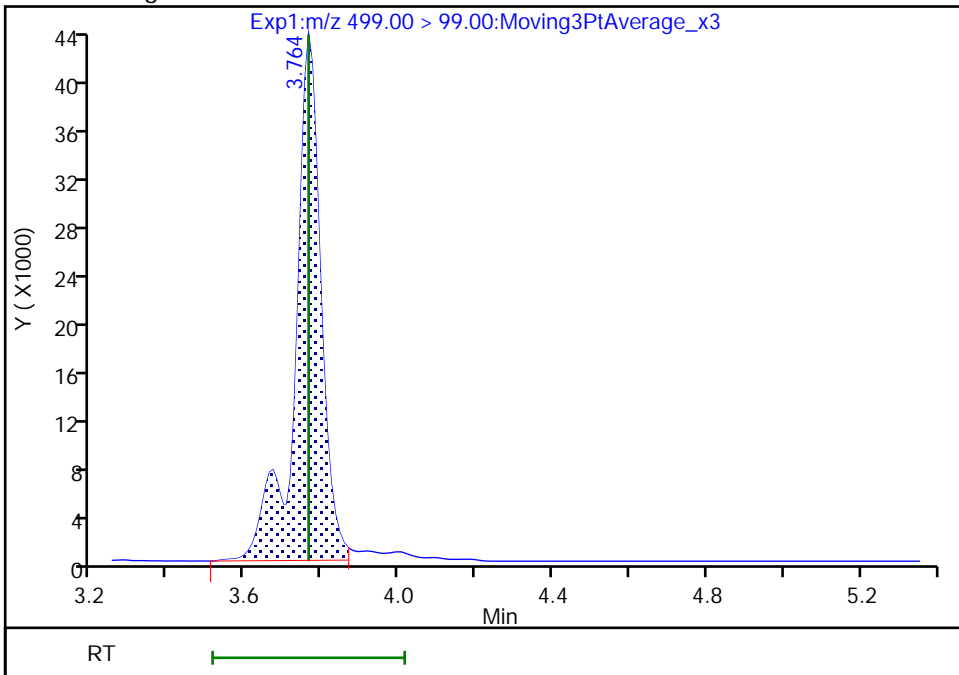
RT: 3.76
Area: 215493
Amount: 0.925675
Amount Units: ng/ml

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

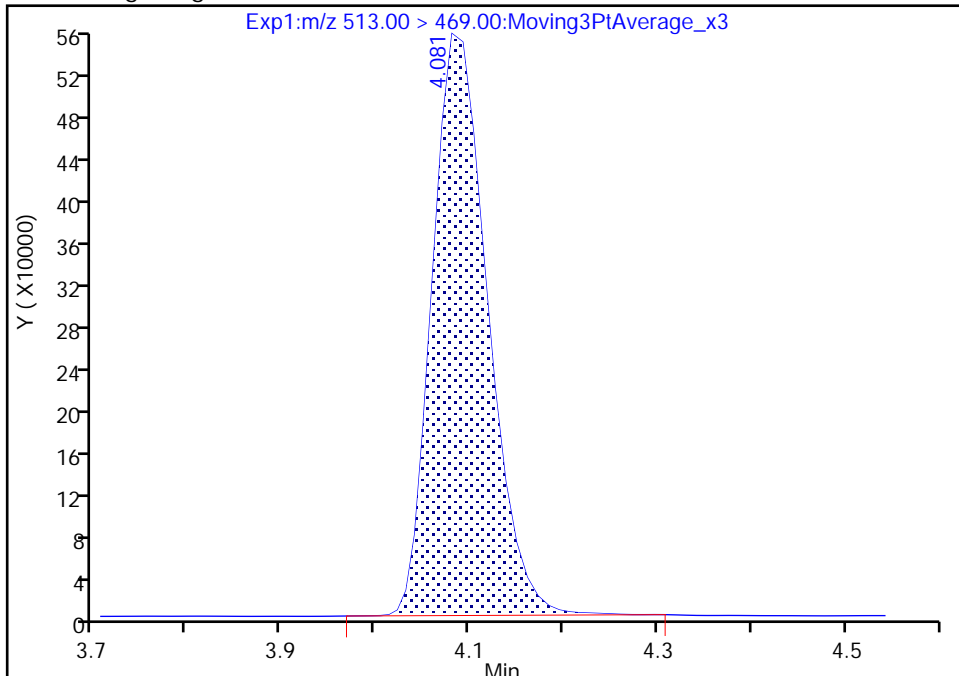
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

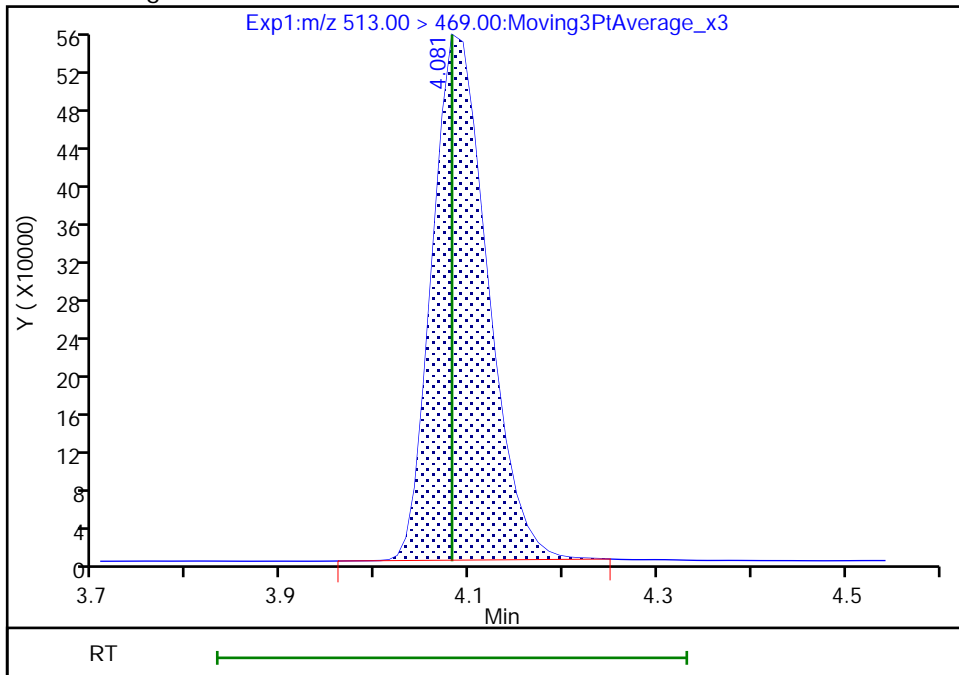
RT: 4.08
Area: 2277302
Amount: 1.004177
Amount Units: ng/ml

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

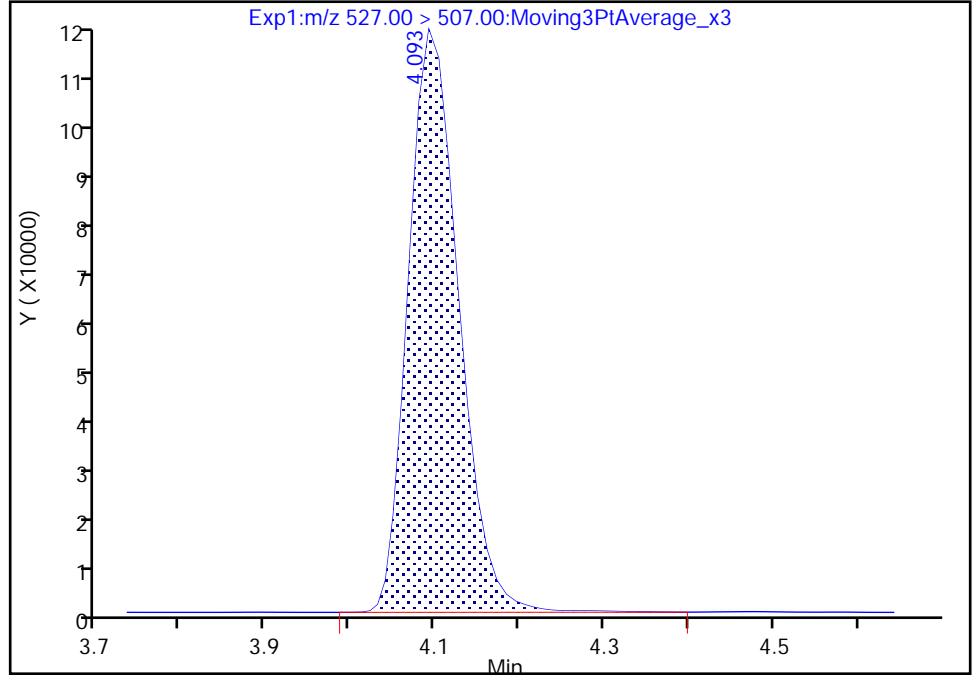
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

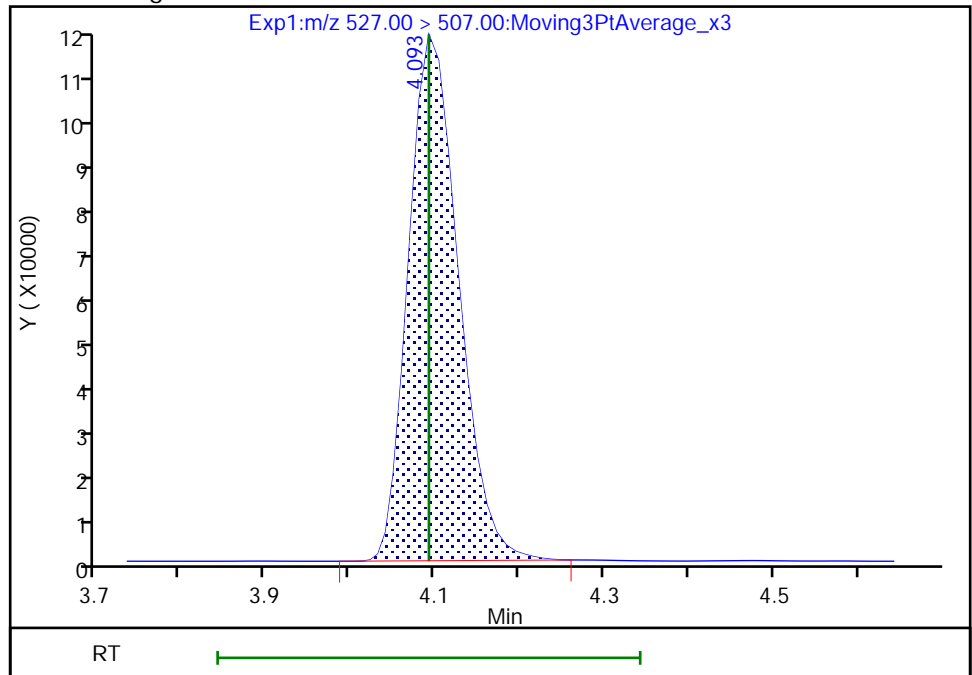
RT: 4.09
Area: 484745
Amount: 1.107834
Amount Units: ng/ml

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

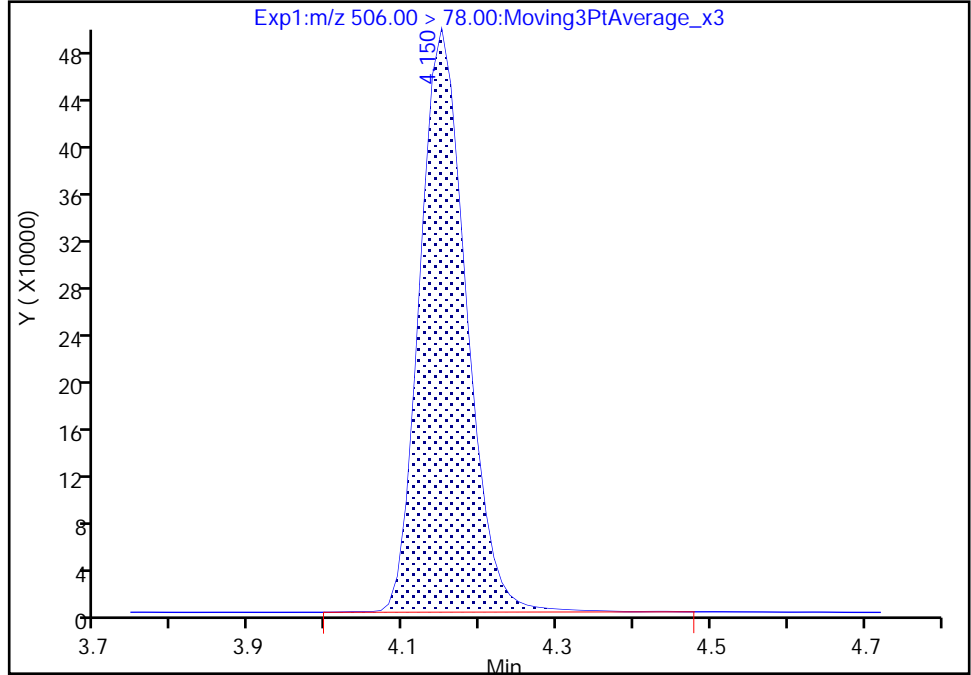
Eurofins Burlington

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

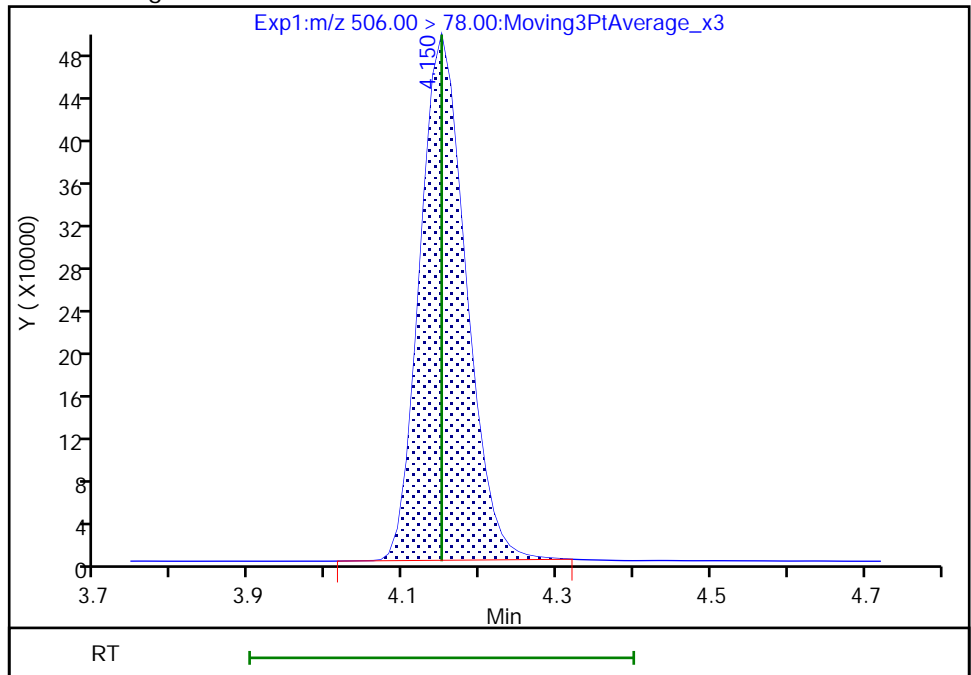
RT: 4.15
Area: 2074977
Amount: 1.063614
Amount Units: ng/ml

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
Page 477 of 939

Eurofins Burlington

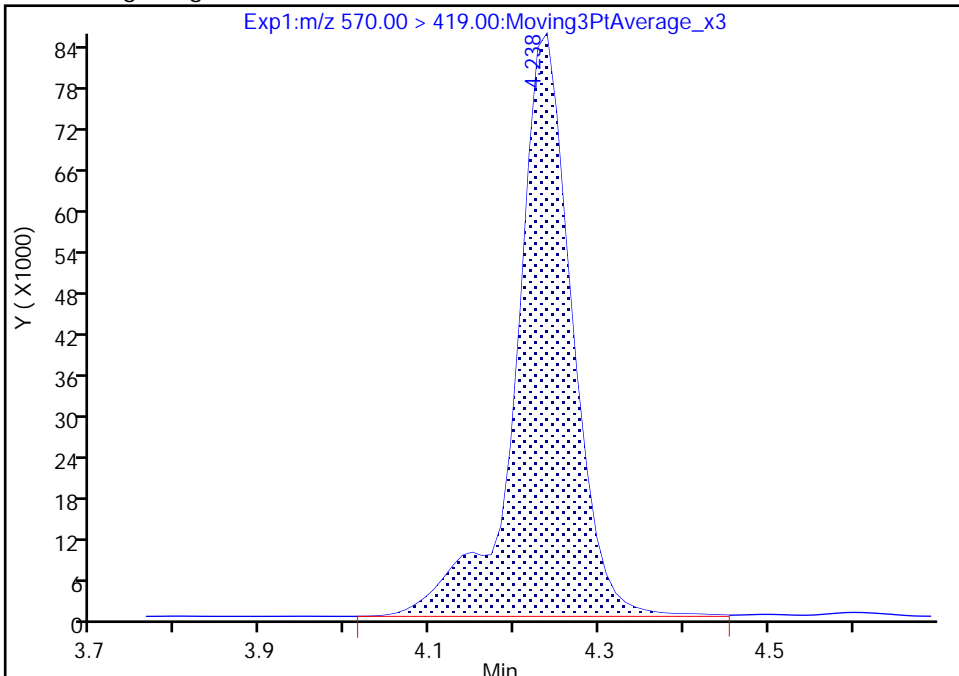
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

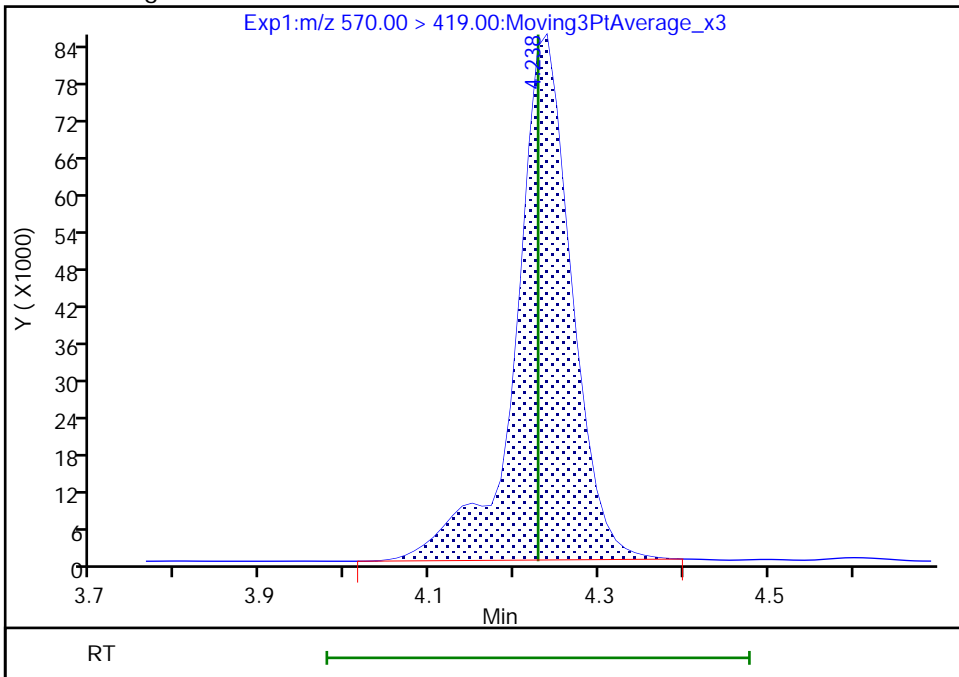
RT: 4.24
Area: 395419
Amount: 1.116920
Amount Units: ng/ml

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
Page 478 of 939

Eurofins Burlington

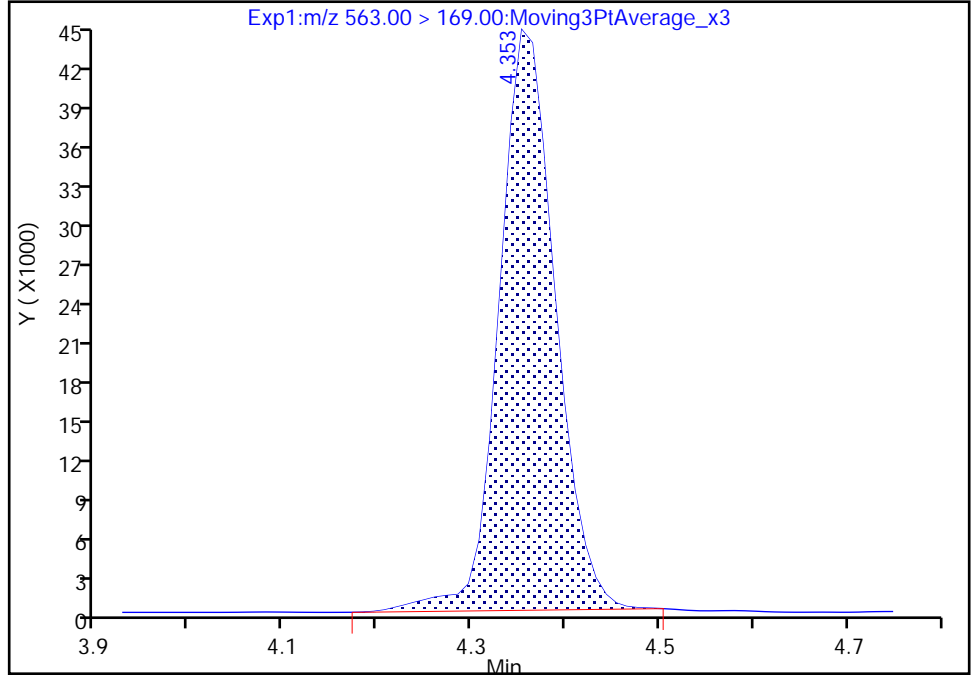
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

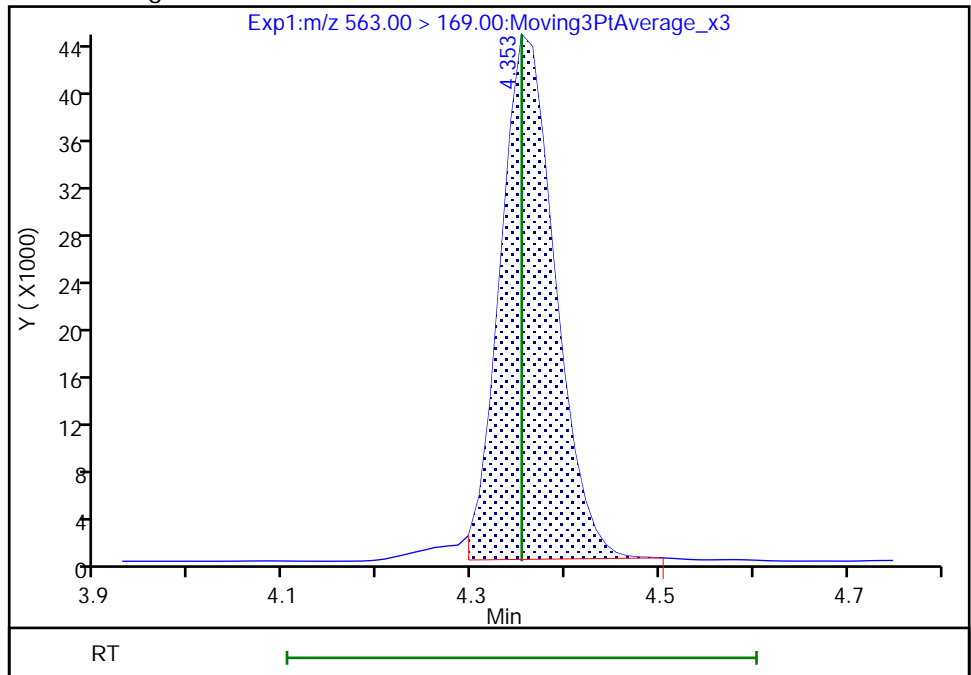
RT: 4.35
Area: 182508
Amount: 0.975318
Amount Units: ng/ml

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

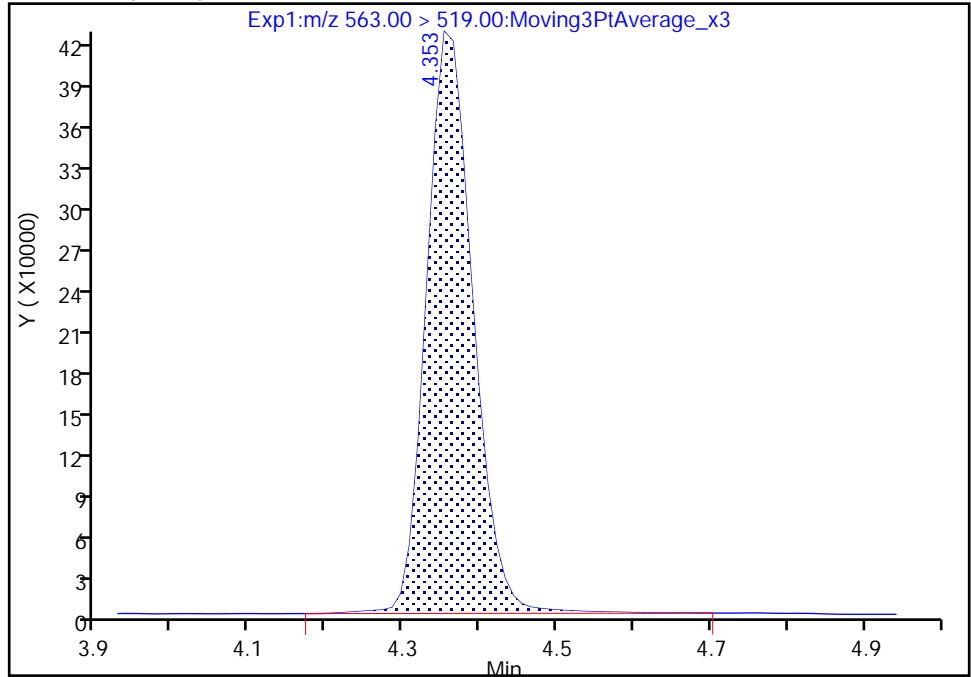
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

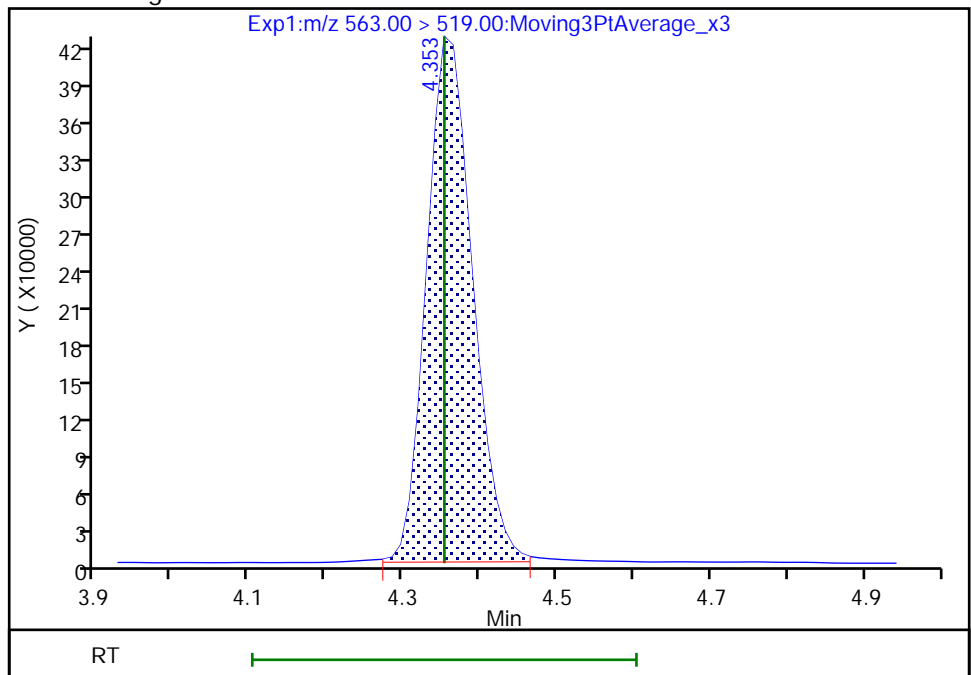
RT: 4.35
Area: 1763312
Amount: 0.975318
Amount Units: ng/ml

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

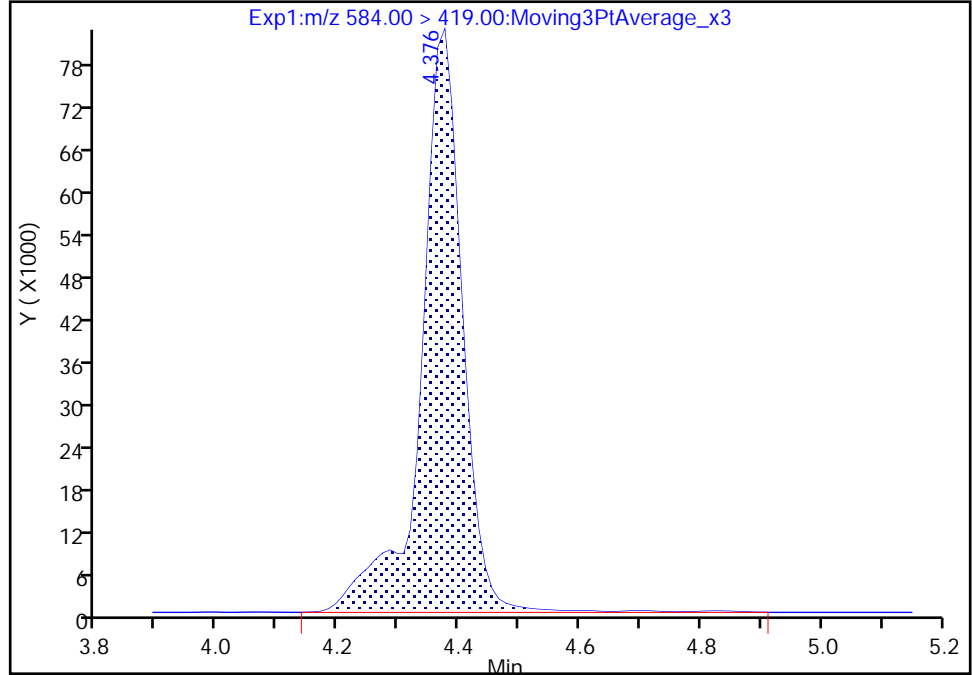
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

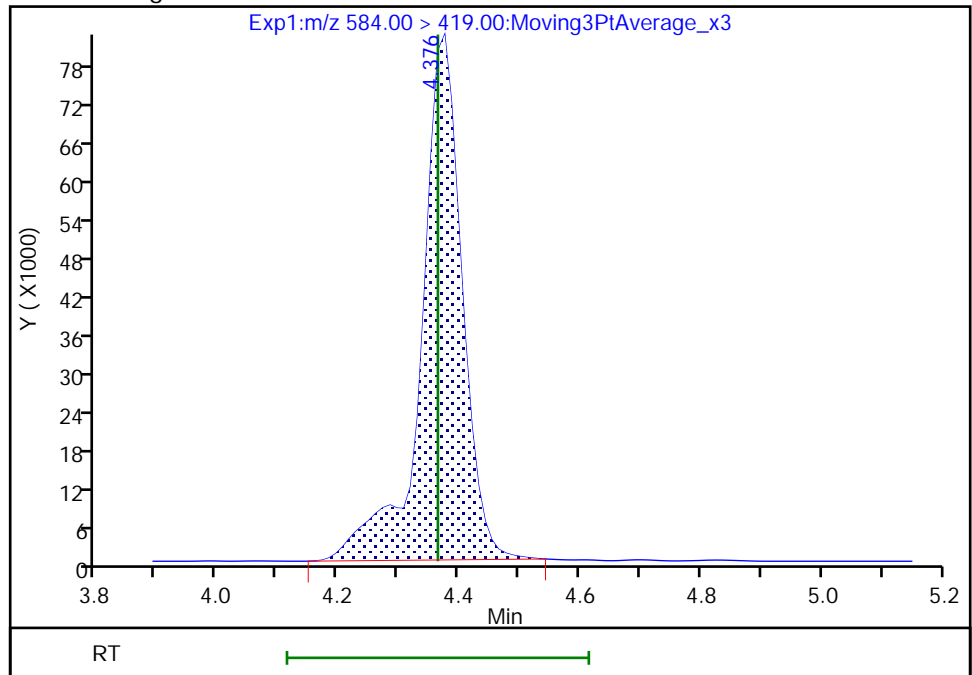
RT: 4.38
Area: 392736
Amount: 1.062553
Amount Units: ng/ml

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

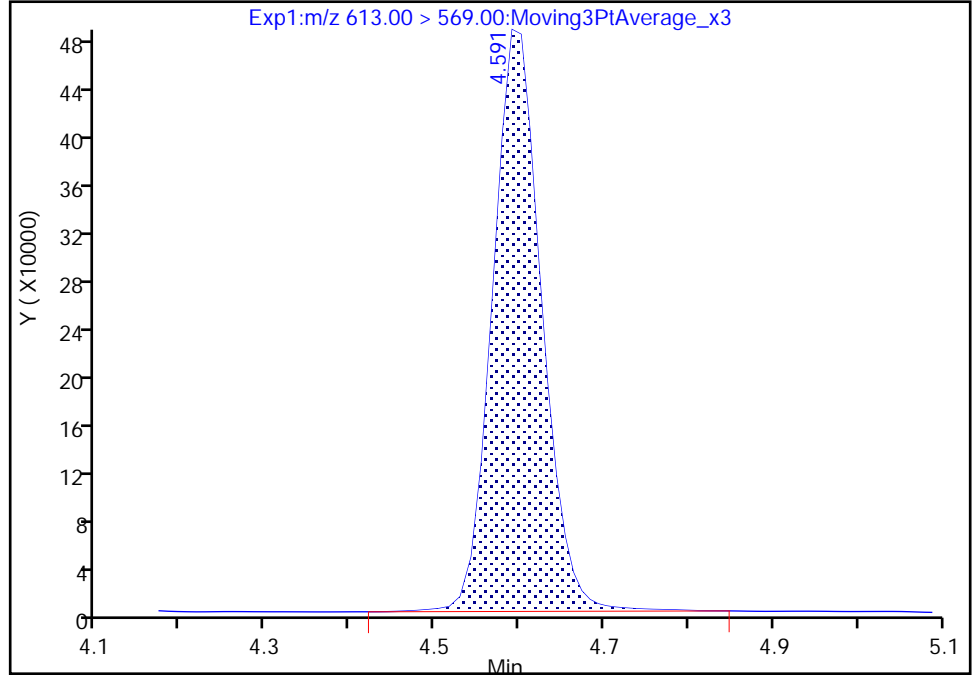
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

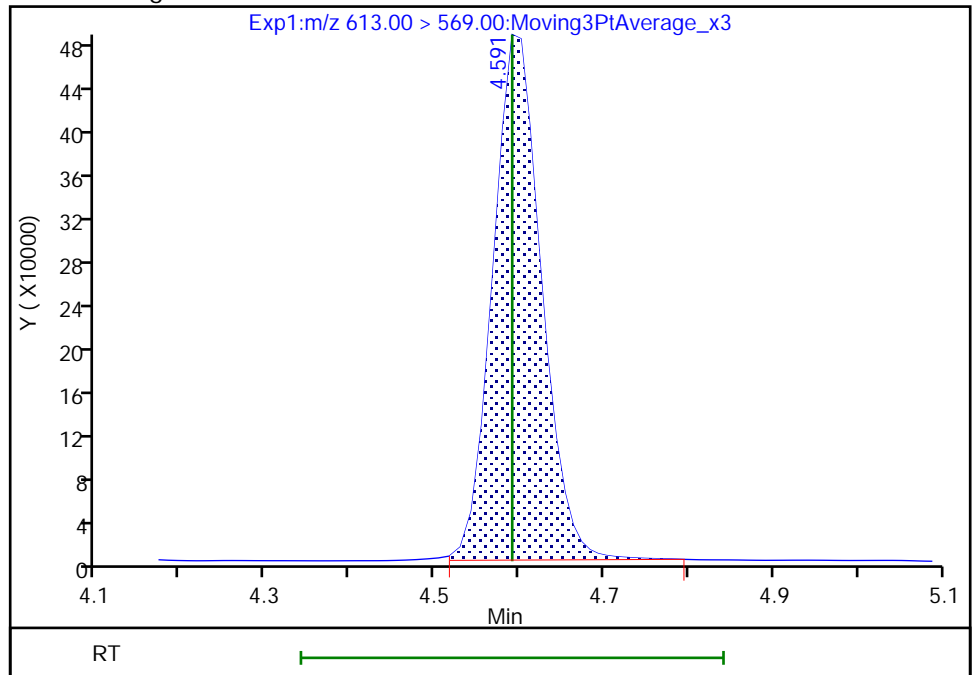
RT: 4.59
Area: 1962968
Amount: 0.983300
Amount Units: ng/ml

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

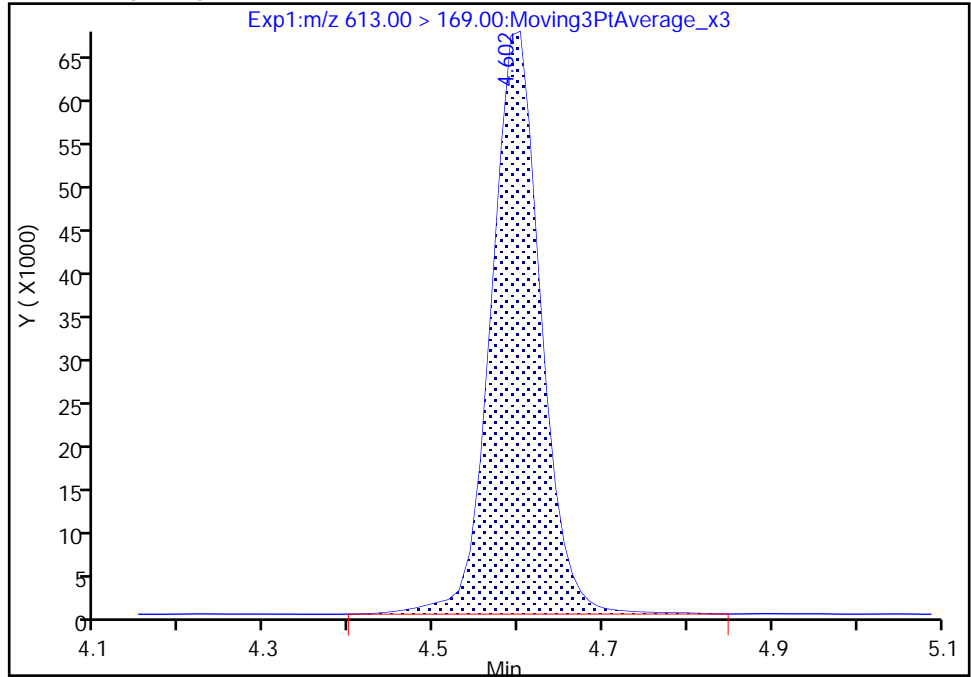
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

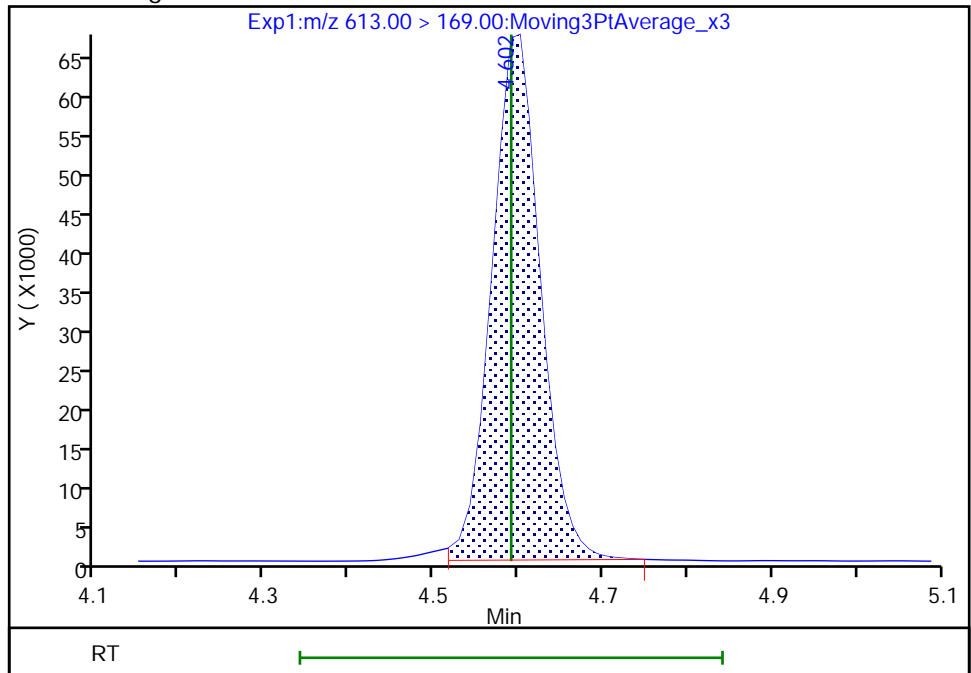
RT: 4.60
Area: 274375
Amount: 0.983300
Amount Units: ng/ml

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
Page 483 of 939

Eurofins Burlington

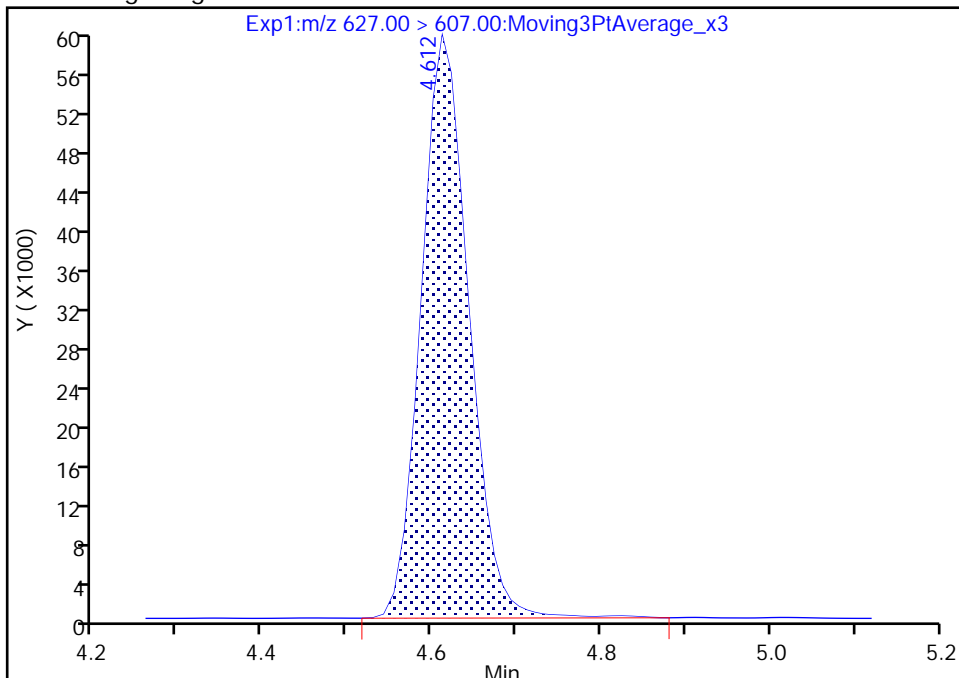
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

74 1H,1H,2H,2H-perfluorododecanesul, CAS: 120226-60-0

Signal: 1

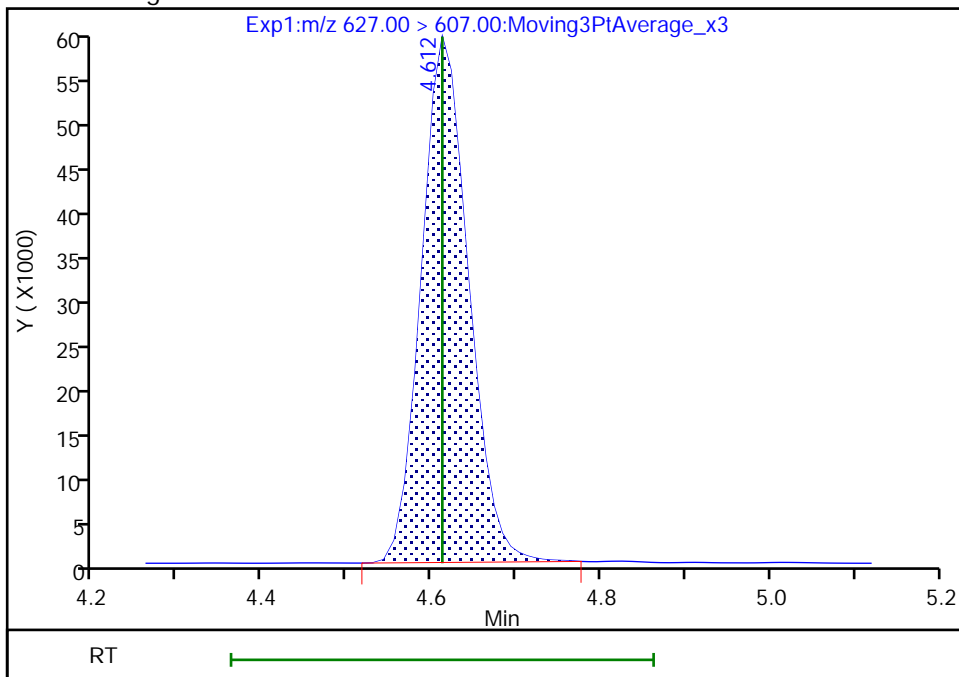
RT: 4.61
Area: 231961
Amount: 0.882195
Amount Units: ng/ml

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

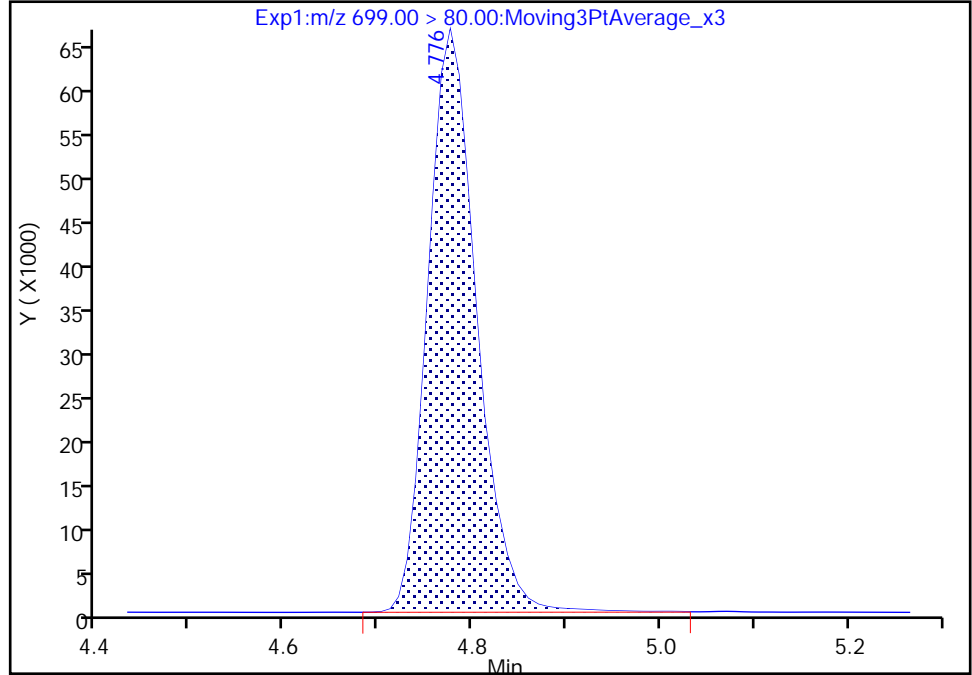
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

75 Perfluorododecanesulfonic acid (, CAS: 79780-39-5

Signal: 1

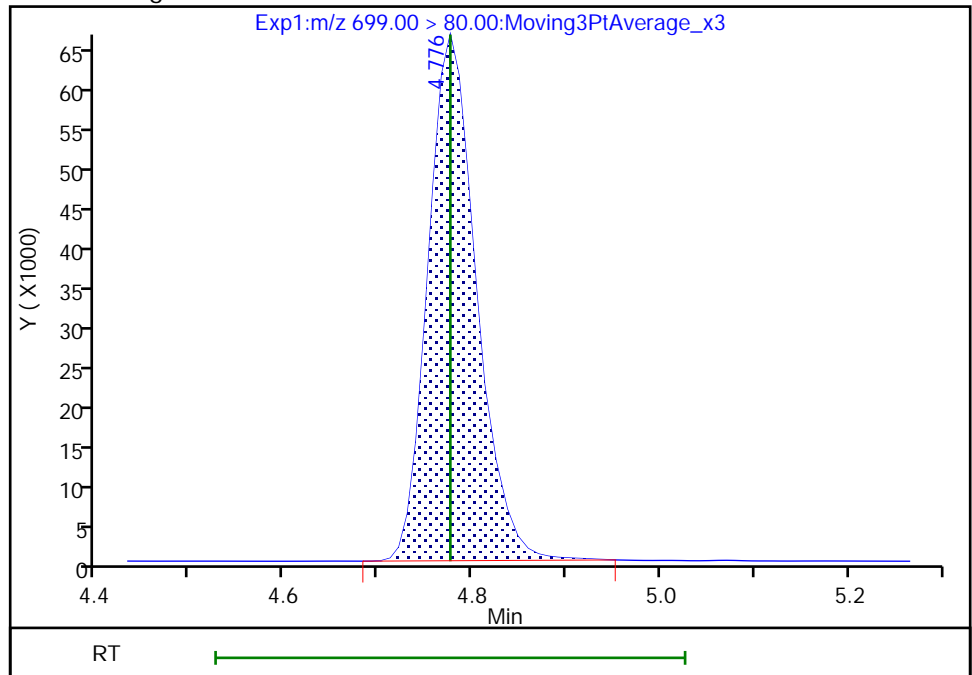
RT: 4.78
Area: 238904
Amount: 0.861661
Amount Units: ng/ml

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

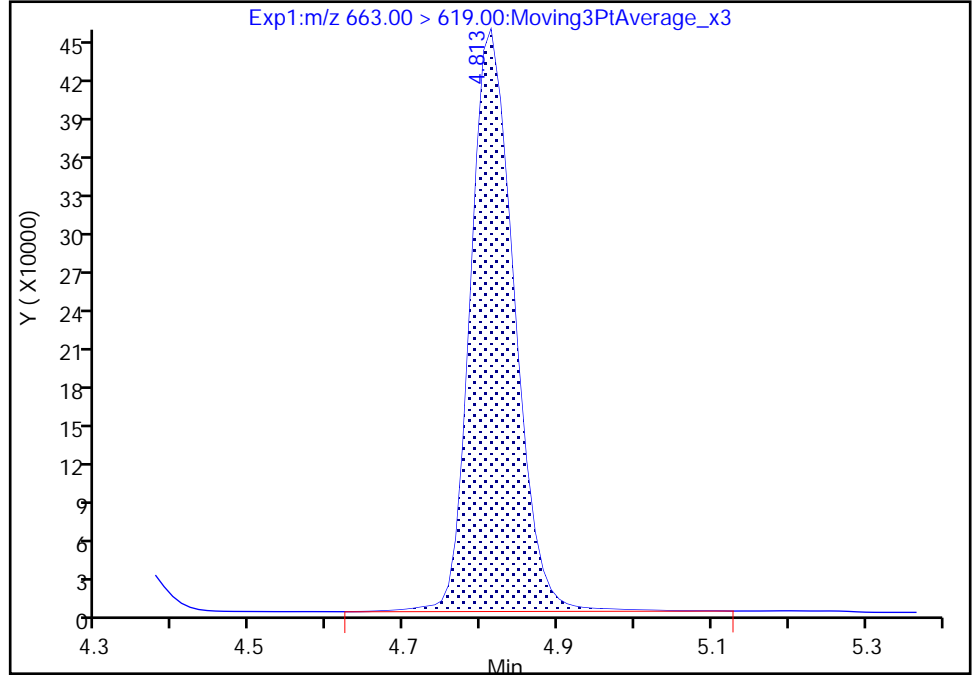
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

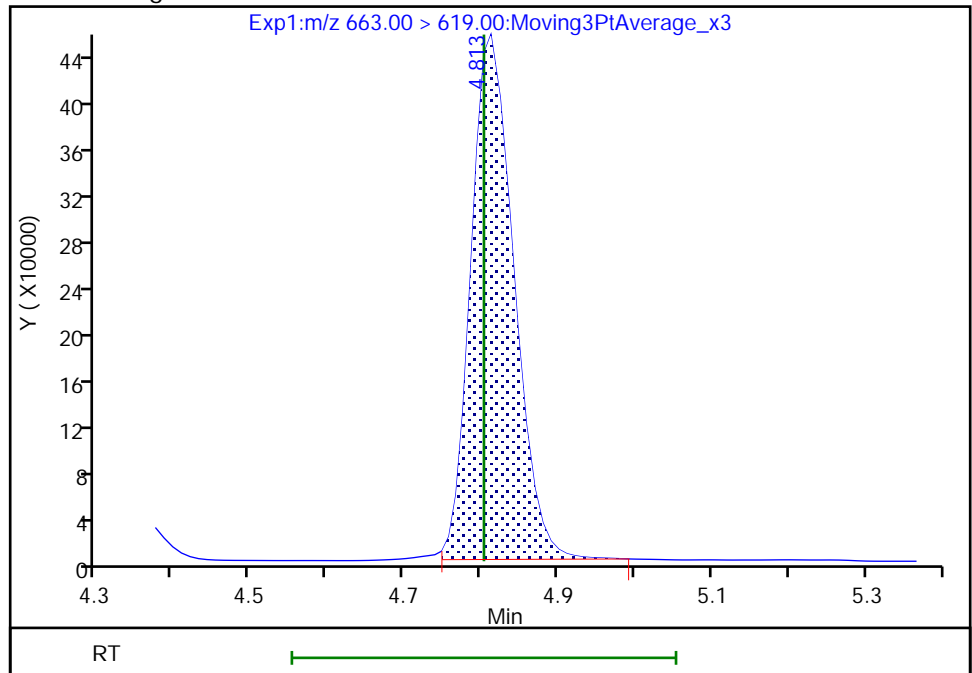
RT: 4.81
Area: 1771634
Amount: 0.927951
Amount Units: ng/ml

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

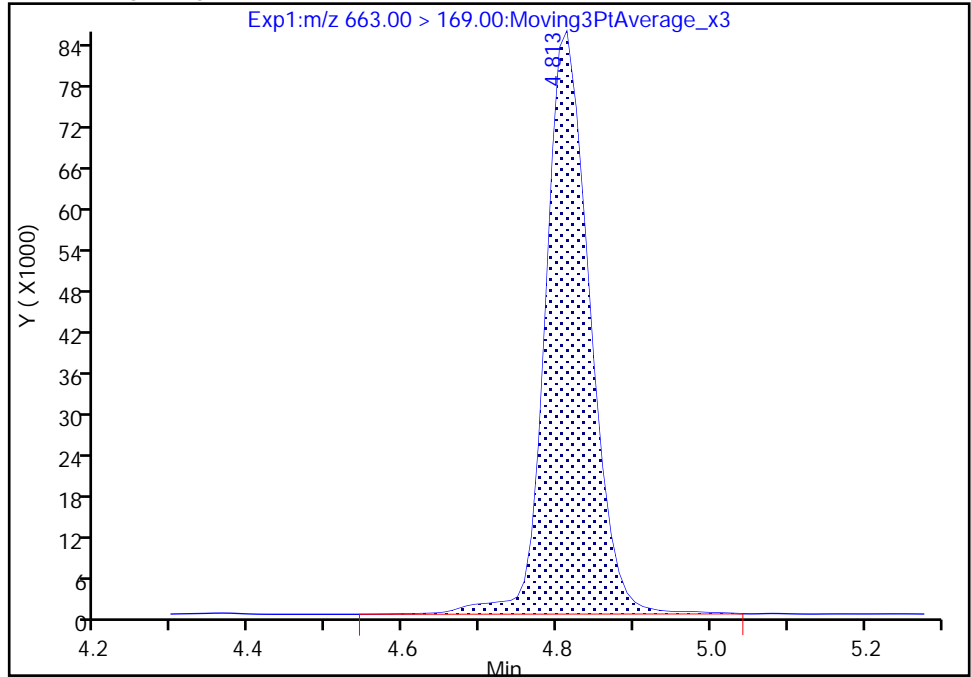
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

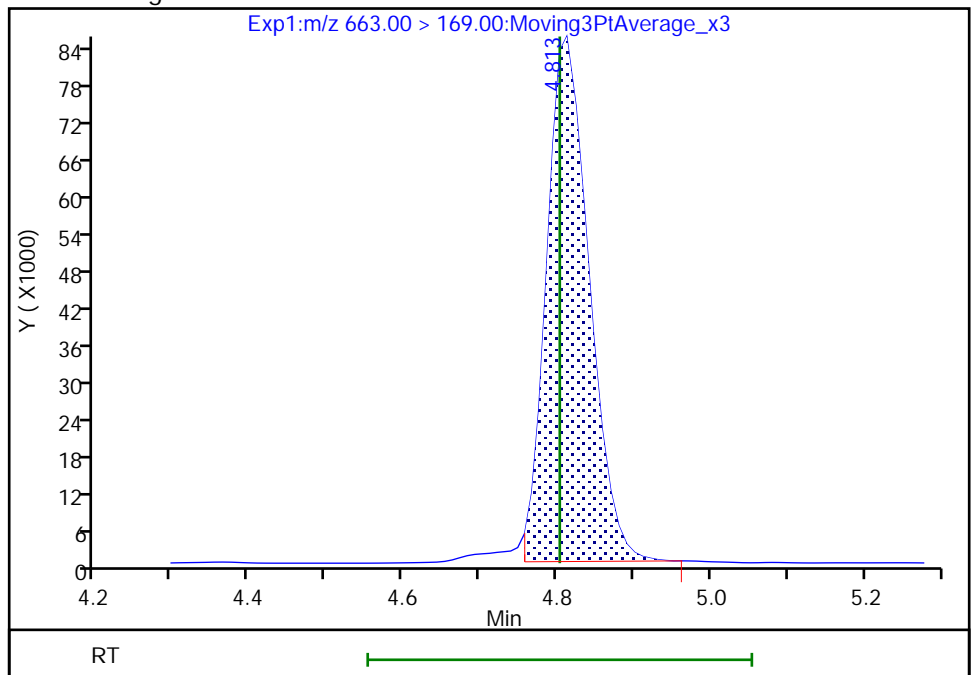
RT: 4.81
Area: 339583
Amount: 0.927951
Amount Units: ng/ml

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
Page 487 of 939

12/5/2022 4:37 PM

Eurofins Burlington

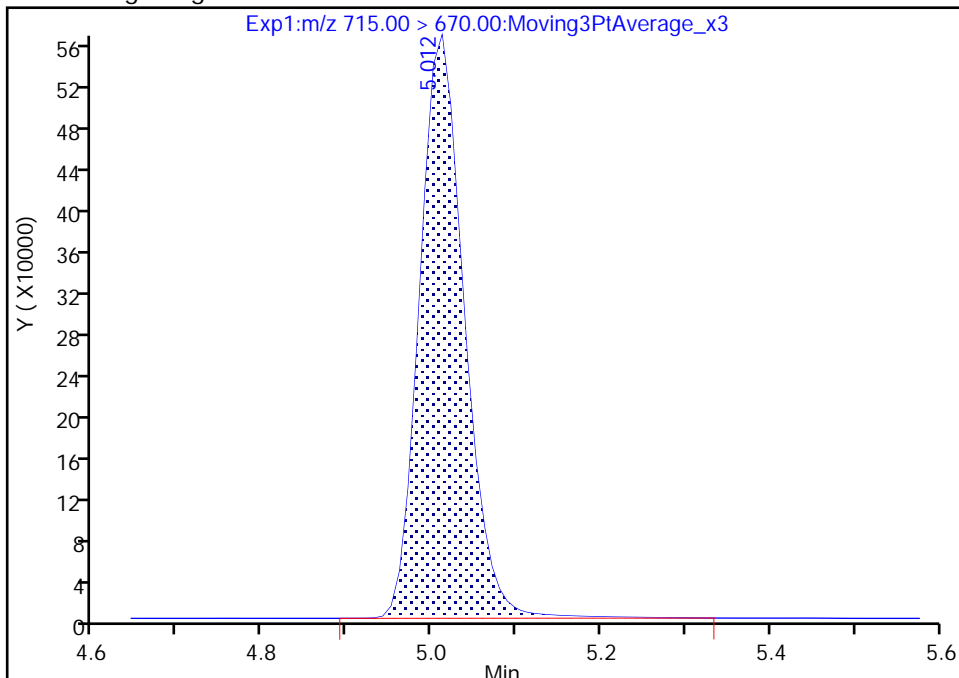
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

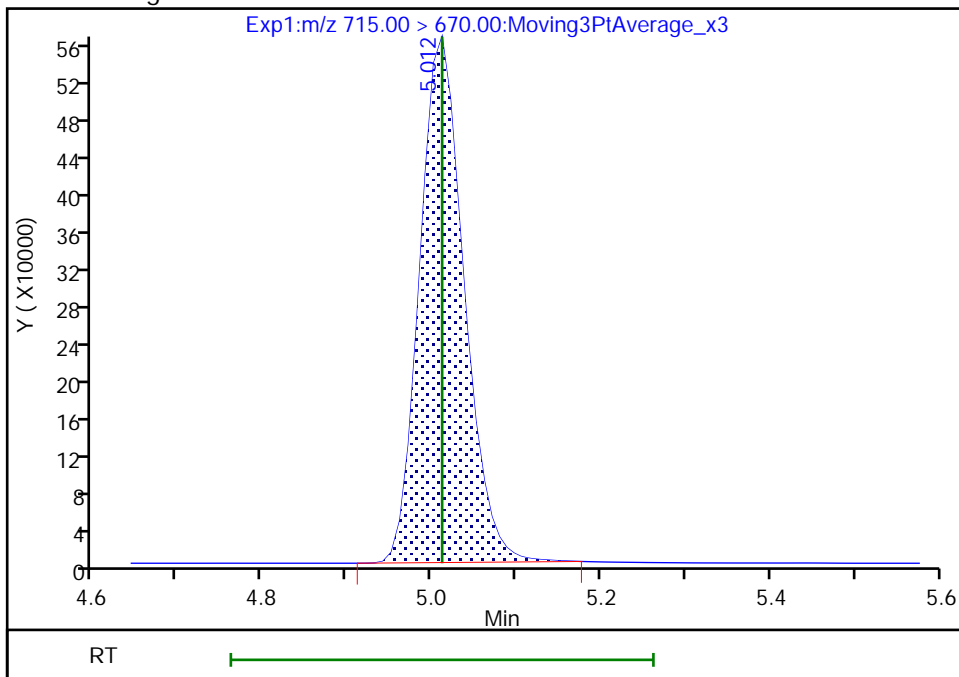
RT: 5.01
Area: 2079061
Amount: 1.082778
Amount Units: ng/ml

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

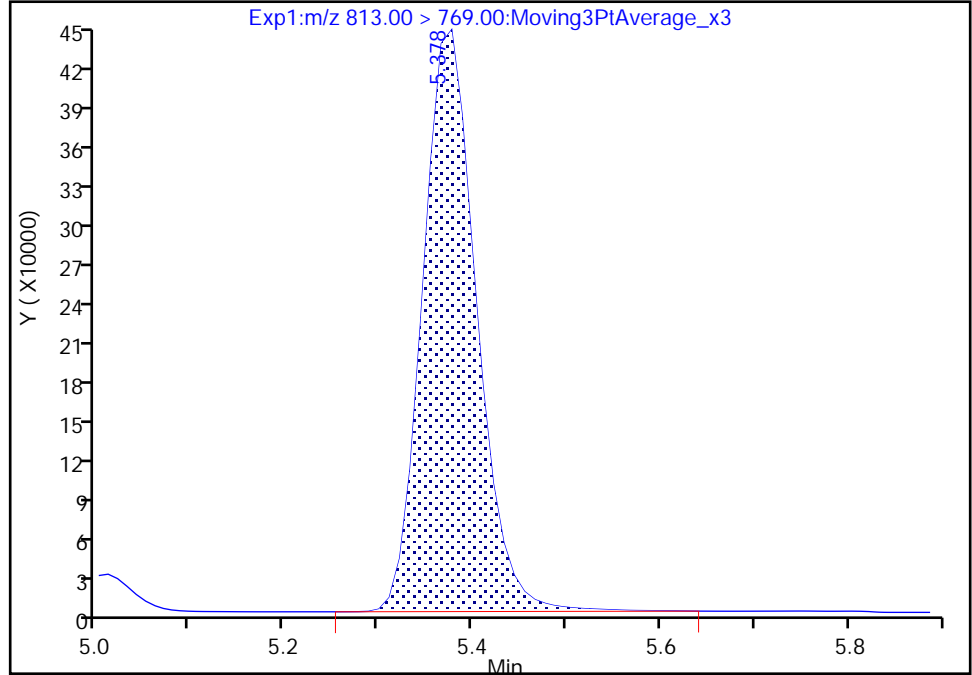
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

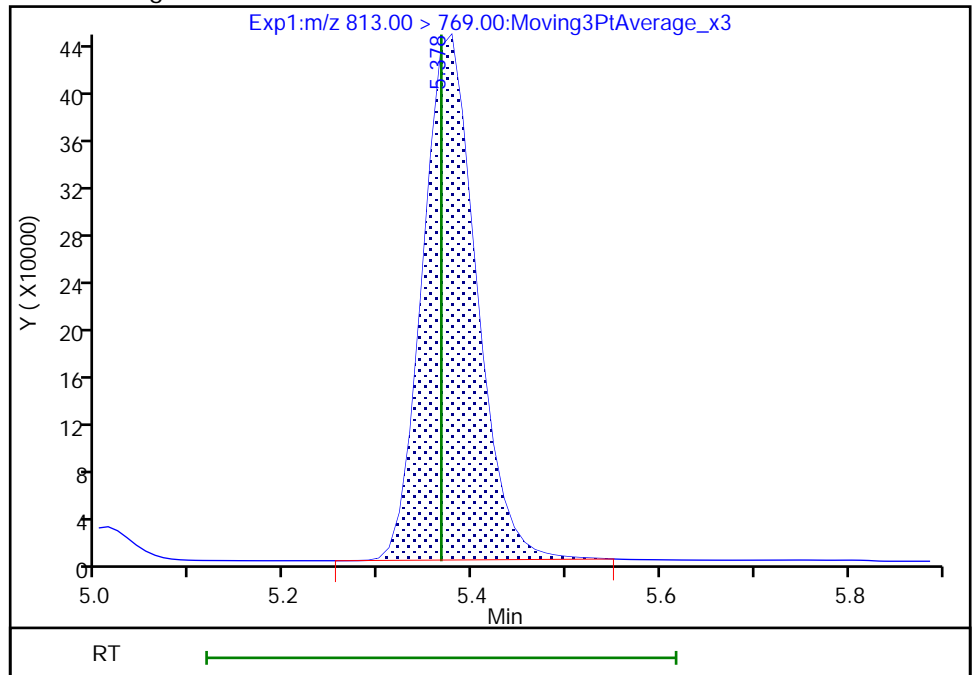
RT: 5.38
Area: 1762767
Amount: 0.891091
Amount Units: ng/ml

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

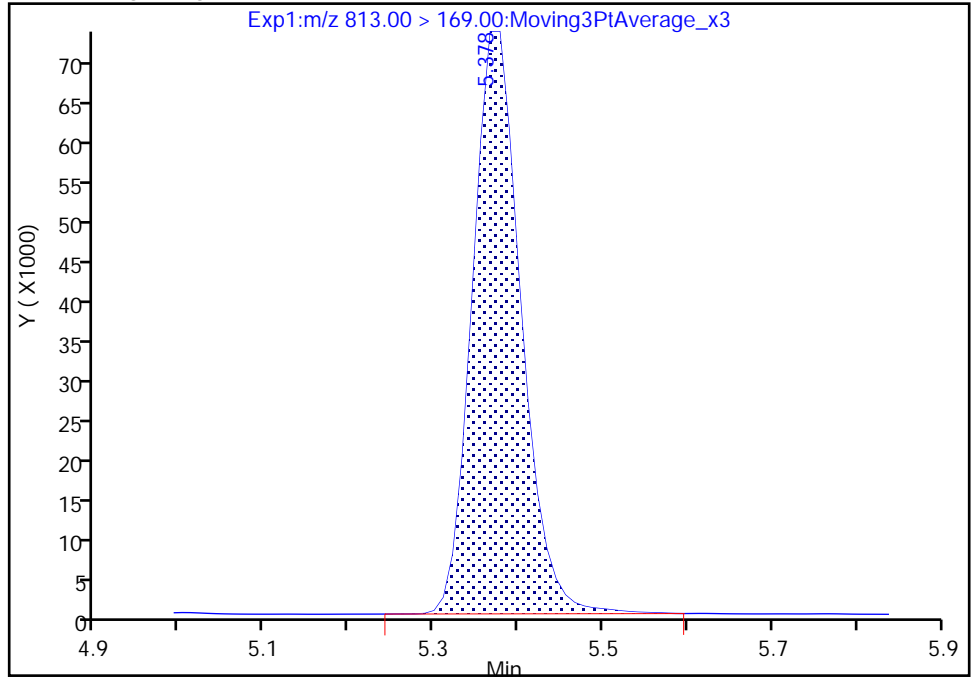
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

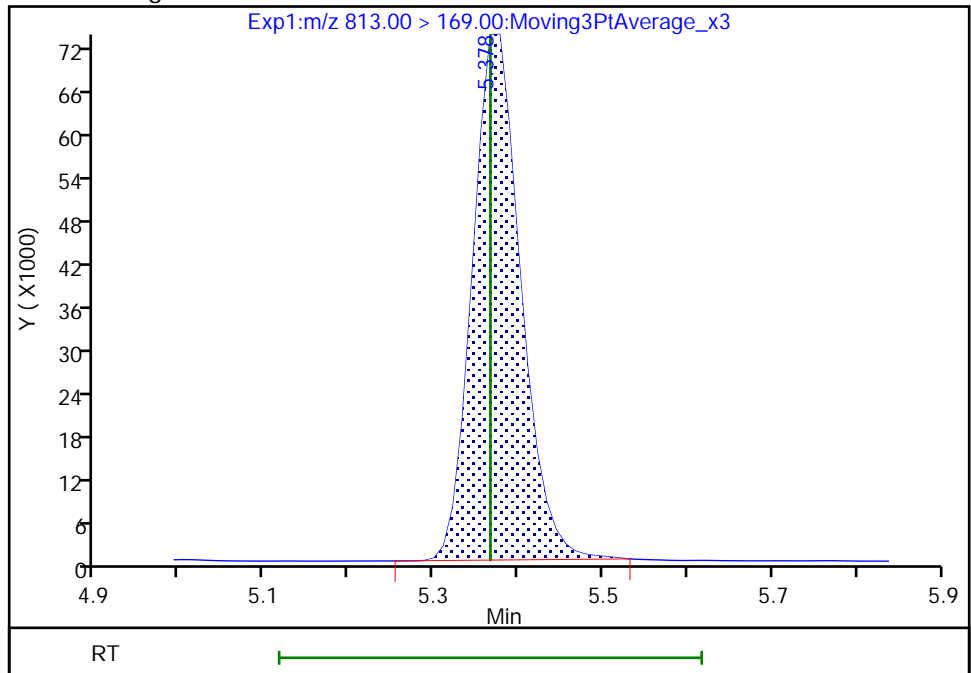
RT: 5.38
Area: 294445
Amount: 0.891091
Amount Units: ng/ml

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

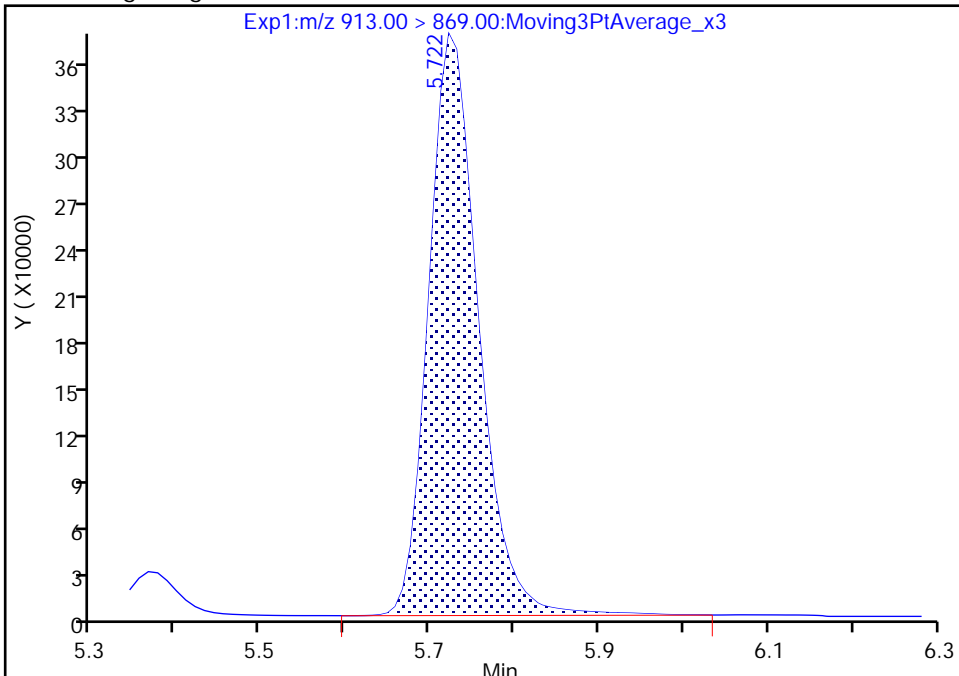
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

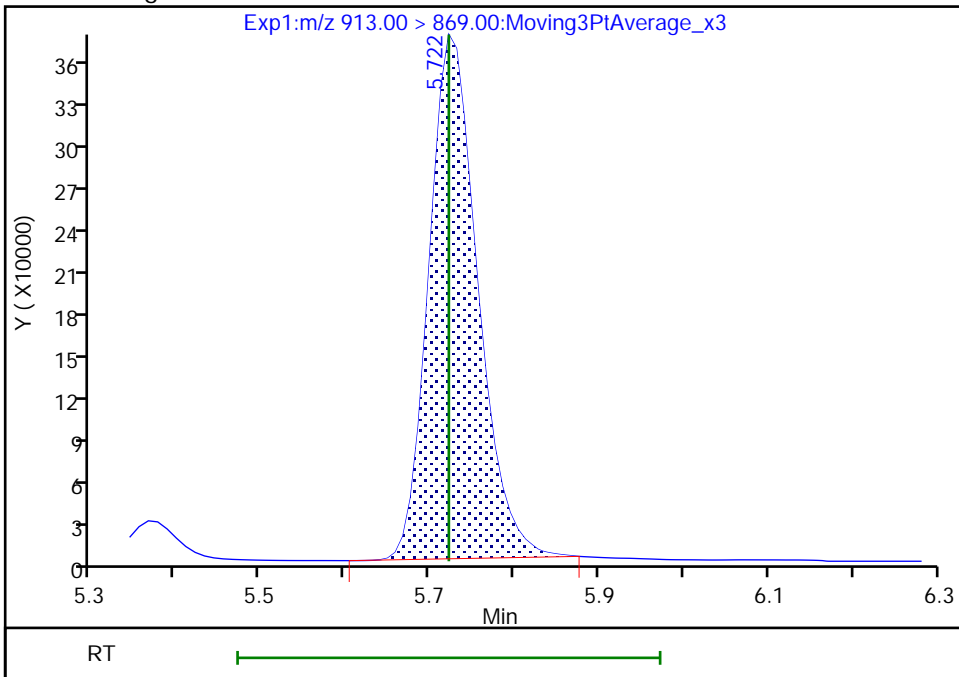
RT: 5.72
Area: 1522976
Amount: 0.876013
Amount Units: ng/ml

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
Page 491 of 939

Eurofins Burlington

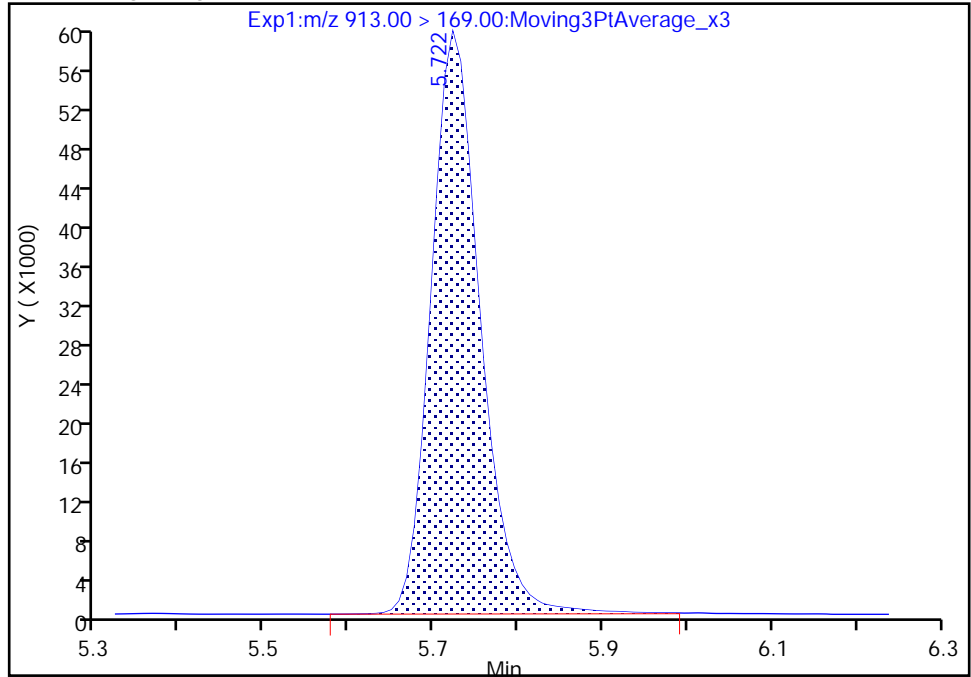
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

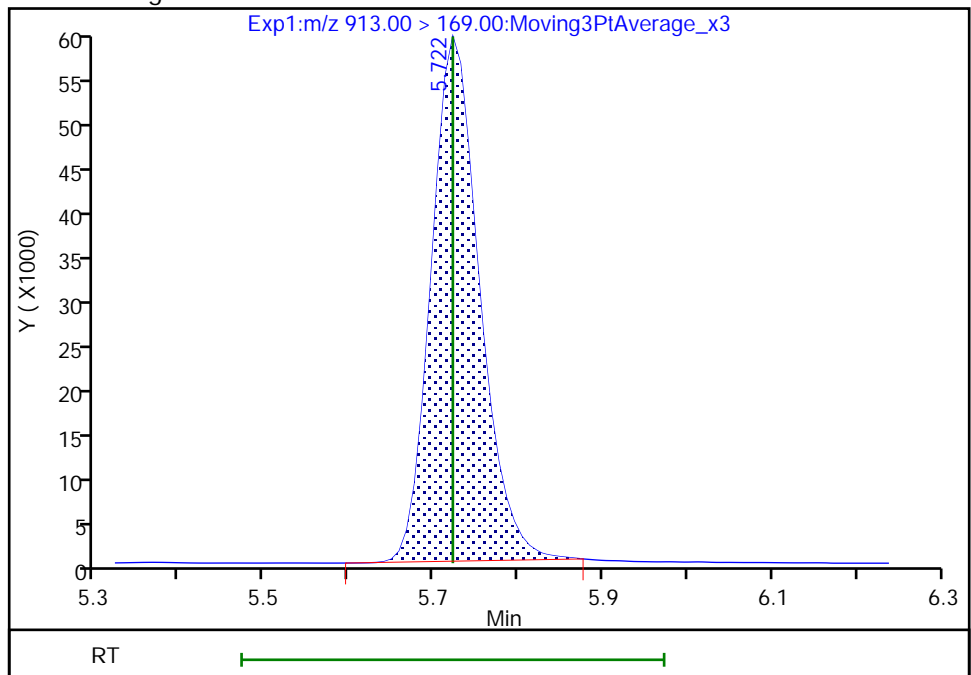
RT: 5.72
Area: 238468
Amount: 0.876013
Amount Units: ng/ml

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.: 460-270065-1
 SDG No.: _____
 Lab Sample ID: CCVLIS 200-186301/5 Calibration Date: 12/02/2022 12:41
 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: PA221202A05.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	1.045		0.127	0.125	1.4	50.0
Perfluoropentanoic acid (PFPeA)	AveID	1.090	1.098		0.0504	0.0500	0.8	50.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.144	1.082		0.0418	0.0442	-5.5	50.0
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	3.081	2.800		0.0424	0.0467	-9.1	50.0
Perfluorohexanoic acid (PFHxA)	AveID	1.090	1.130		0.0518	0.0500	3.7	50.0
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.335	1.212		0.0426	0.0469	-9.3	50.0
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.056	1.004		0.0950	0.100	-5.0	50.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.129	1.182		0.0476	0.0455	4.7	50.0
Perfluoroheptanoic acid (PFHpA)	AveID	1.089	1.028		0.0472	0.0500	-5.6	50.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	5.507	4.724		0.0404	0.0471	-14.2	50.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.397	1.345		0.0458	0.0476	-3.7	50.0
6:2 FTS	L1ID		2.062		0.104	0.119	-12.4	50.0
Perfluorooctanoic acid (PFOA)	AveID	1.069	1.023		0.0478	0.0500	-4.4	50.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.216	1.240		0.0473	0.0464	1.9	50.0
Perfluorononanoic acid (PFNA)	AveID	1.037	0.9480		0.0457	0.0500	-8.6	50.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	AveID	2.791	2.571		0.0429	0.0466	-7.9	50.0
Perfluorononanesulfonic acid (PFNS)	AveID	0.9179	0.9047		0.0473	0.0480	-1.4	50.0
Perfluorodecanoic acid (PFDA)	AveID	1.084	1.057		0.0487	0.0500	-2.6	50.0
8:2 FTS	AveID	1.617	1.571		0.0466	0.0479	-2.8	50.0
Perfluorooctanesulfonamide (FOSA)	AveID	1.045	0.9850		0.0471	0.0500	-5.7	50.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	L1ID		0.8669		0.114	0.125	-8.5	50.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.7248	0.7425		0.0494	0.0482	2.4	50.0
Perfluoroundecanoic acid (PFUnA)	AveID	1.008	0.9135		0.0453	0.0500	-9.4	50.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.8953	0.8970		0.125	0.125	0.2	50.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF)	AveID	4.303	3.962		0.0434	0.0471	-7.9	50.0
Perfluorododecanoic acid (PFDoA)	AveID	1.059	1.003		0.0473	0.0500	-5.4	50.0
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	AveID	0.9717	0.7163		0.0355	0.0482	-26.3	50.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.3067	0.3241		0.0512	0.0484	5.7	50.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-270065-1
 SDG No.: _____
 Lab Sample ID: CCVLIS 200-186301/5 Calibration Date: 12/02/2022 12:41
 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: PA221202A05.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	1.049		0.0518	0.0500	3.6	50.0
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1369	0.1207		0.0441	0.0500	-11.8	50.0
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		1.127		0.0442	0.0500	-11.6	50.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.8236	0.8266		0.0502	0.0500	0.4	50.0
13C4 PFBA	Ave	1.122	1.040		1.16	1.25	-7.3	
13C5 PFPeA	Ave	0.8543	0.8440		1.24	1.25	-1.2	
13C3 PFBS	Ave	0.9281	0.9870		1.24	1.16	6.3	
M2-4:2 FTS	Ave	0.0820	0.0876		1.25	1.17	6.8	
13C2 PFHxA	Ave	0.8951	0.8680		1.21	1.25	-3.0	
13C3 HFPO-DA	Ave	0.1580	0.1453		1.15	1.25	-8.0	
18O2 PFHxS	Ave	0.6761	0.7483		1.31	1.18	10.7	
13C4 PFHpA	Ave	0.9206	0.8870		1.20	1.25	-3.6	
M2-6:2 FTS	Ave	0.1134	0.1242		1.30	1.19	9.5	
13C4 PFOA	Ave	1.035	1.024		1.24	1.25	-1.1	
13C4 PFOS	Ave	0.4588	0.5022		1.31	1.20	9.5	
13C5 PFNA	Ave	1.006	0.9942		1.24	1.25	-1.1	
13C2 PFDA	Ave	1.025	1.110		1.35	1.25	8.3	
M2-8:2 FTS	Ave	0.1387	0.1634		1.41	1.20	17.8	
13C8 FOSA	Ave	0.8403	0.9099		1.35	1.25	8.3	
d3-NMeFOSAA	Ave	0.2087	0.2057		1.23	1.25	-1.4	
13C2 PFUnA	Ave	0.9385	0.9820		1.31	1.25	4.6	
d5-NEtFOSAA	Ave	0.2055	0.2108		1.28	1.25	2.6	
13C2 PFDoA	Ave	0.9562	0.9066		1.19	1.25	-5.2	
13C2 PFTeDA	Ave	0.8270	0.8650		1.31	1.25	4.6	
13C2 PFHxDA	Ave	1.022	1.055		1.29	1.25	3.2	

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
 Lims ID: CCVLIS
 Client ID:
 Sample Type: CCVLIS
 Inject. Date: 02-Dec-2022 12:41:25 ALS Bottle#: 2 Worklist Smp#: 5
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: CCVLIS
 Misc. Info.: 200-0053527-005 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 05-Dec-2022 11:40:33 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: CTX1627

First Level Reviewer: Z1IP Date: 02-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	2.094	2.076	0.018	0.615	2651861	1.16	92.7	10781	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.094	2.076	0.018	1.000	277237	0.1267		101	25.8	M
D 3 13C5 PFPeA	267.90 > 223.00	2.387	2.387	0.0	0.701	2152278	1.23	98.8	4115	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.387	2.387	0.0	1.000	94541	0.0504		101	2.2	M
D 47 13C3 PFBS	301.90 > 80.00	2.400	2.400	0.0	0.705	2340852	1.24	106	267382	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.400	2.400	0.0	1.000	96276	0.0418	Target=2.09	94.5	115	M
298.90 > 99.00	2.400	2.400	0.0	1.000	46749		2.06(1.04-3.13)		35.5	M
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.677	2.689	-0.012	1.000	23364	0.0424		90.9	230	M
D 60 M2-4:2 FTS	329.00 > 81.00	2.677	2.689	-0.012	0.786	208609	1.25	107	198	M
D 7 13C2 PFHxA	315.00 > 270.00	2.713	2.725	-0.012	0.797	2213525	1.21	97.0	3621	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.713	2.725	-0.012	1.000	100024	0.0518	Target=14.25	104	20.2	M
313.00 > 119.00	2.713	2.725	-0.012	1.000	7157		13.98(7.12-21.37)		11.0	M
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.713	2.737	-0.024	0.888	86770	0.0426	Target=3.04	90.7	181	M
349.00 > 99.00	2.713	2.737	-0.024	0.888	28996		2.99(1.52-4.56)		78.2	M
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.811	2.835	-0.024	1.000	29746	0.0950		95.0	435	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	2.811	2.835	-0.024	0.826	370528	1.15		92.0	1379	
D 11 18O2 PFHxS										
403.00 > 84.00	3.055	3.088	-0.033	0.897	1805272	1.31		111	2979	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.055	3.088	-0.033	1.000	82100	0.0476	Target=3.66	105	179	M
399.00 > 99.00	3.055	3.088	-0.033	1.000	24188		3.39(1.83-5.49)	33.2		M
D 9 13C4 PFHpA										
367.00 > 322.00	3.066	3.099	-0.033	0.901	2261980	1.20		96.4	3057	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.066	3.099	-0.033	1.000	92984	0.0472	Target=3.97	94.4	18.7	
363.00 > 169.00	3.055	3.099	-0.044	0.996	23266		4.00(1.98-5.95)	62.3		
77 DONA										
377.00 > 251.00	3.099	3.132	-0.033	0.834	227989	0.0404	Target=3.16	85.8	307	
377.00 > 85.00	3.099	3.132	-0.033	0.834	69704		3.27(1.58-4.73)	91.1		
D 12 M2-6:2 FTS										
429.00 > 81.00	3.396	3.439	-0.043	0.998	300782	1.30		109	539	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.396	3.439	-0.043	1.000	61897	0.1038		87.6	20.2	M
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.387	3.439	-0.052	0.912	65602	0.0458	Target=5.14	96.3	254	
449.00 > 99.00	3.387	3.439	-0.052	0.912	13549		4.84(2.57-7.72)	68.6		M
D 14 13C4 PFOA										
417.00 > 372.00	3.404	3.448	-0.044	1.000	2610575	1.24		98.9	4203	
* 62 13C2 PFOA										
415.00 > 370.00	3.404	3.448	-0.044		2550188	1.25			4275	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.404	3.448	-0.044	1.000	106774	0.0478	Target=2.79	95.6	7.8	M
413.00 > 169.00	3.404	3.448	-0.044	1.000	38383		2.78(1.40-4.19)	62.6		M
D 18 13C4 PFOS										
503.00 > 80.00	3.716	3.764	-0.048	1.092	1224423	1.31		109	3533	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.716	3.764	-0.048	1.000	58941	0.0473	Target=5.11	102	37.0	M
499.00 > 99.00	3.716	3.764	-0.048	1.000	11948		4.93(2.55-7.66)	31.3		M
20 Perfluorononanoic acid										
463.00 > 419.00	3.735	3.783	-0.048	1.000	96146	0.0457	Target=8.55	91.4	21.4	M
463.00 > 169.00	3.735	3.783	-0.048	1.000	12664		7.59(4.28-12.83)	120		M
D 19 13C5 PFNA										
468.00 > 423.00	3.735	3.783	-0.048	1.097	2535523	1.24		98.9	4769	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.880	3.928	-0.048	1.044	122777	0.0429		92.1	397	M
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.005	4.050	-0.045	1.078	44497	0.0473	Target=2.53	98.6	266	M
549.00 > 99.00	4.005	4.050	-0.045	1.078	16932		2.63(1.27-3.80)	99.0		M
D 23 13C2 PFDA										
515.00 > 470.00	4.032	4.081	-0.049	1.185	2830416	1.35		108	6518	

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	4.032	4.081	-0.049	1.000	119632	0.0487	Target=10.26	97.4	50.1	
513.00 > 169.00	4.032	4.081	-0.049	1.000	11592		10.32(5.13-15.38)		24.3	M
D 26 M2-8:2 FTS										M
529.00 > 81.00	4.042	4.093	-0.051	1.187	399133	1.41		118	1310	M
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.042	4.093	-0.051	1.000	25089	0.0466		97.2	407	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.104	4.150	-0.046	1.000	91426	0.0471		94.3	298	
D 21 13C8 FOSA										
506.00 > 78.00	4.104	4.150	-0.046	1.206	2320531	1.35		108	2742	
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.184	4.228	-0.044	1.229	524606	1.23		98.6	1100	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.184	4.228	-0.044	1.000	45479	0.1143		91.5	98.4	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.286	4.331	-0.045	1.153	36668	0.0494	Target=2.51	102	365	M
599.00 > 99.00	4.286	4.331	-0.045	1.153	15608		2.35(1.25-3.76)		144	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.308	4.353	-0.045	1.266	2504359	1.31		105	5871	M
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.308	4.353	-0.045	1.000	91513	0.0453	Target=9.88	90.6	47.5	M
563.00 > 169.00	4.308	4.353	-0.045	1.000	9314		9.83(4.94-14.82)		90.9	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.320	4.365	-0.045	1.000	48216	0.1252		100	301	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.320	4.365	-0.045	1.269	537509	1.28		103	727	
66 11-Chloroeicosafuoro-3-oxaundec										M
631.00 > 451.00	4.410	4.454	-0.044	1.187	191218	0.0434		92.1	862	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.555	4.591	-0.036	1.000	92735	0.0473	Target=7.77	94.6	19.0	M
613.00 > 169.00	4.543	4.591	-0.048	0.997	12155		7.63(3.89-11.66)		144	M
D 36 13C2 PFDaA										M
615.00 > 570.00	4.555	4.591	-0.036	1.338	2312039	1.19		94.8	3898	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.568	4.612	-0.044	1.130	11508	0.0355		73.7	273	M
75 Perfluorododecanesulfonic acid (
699.00 > 80.00	4.731	4.776	-0.045	1.273	16072	0.0512	Target=0.50	106	185	
699.00 > 99.00	4.731	4.776	-0.045	1.273	27760		0.58(0.25-0.76)		495	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.758	4.804	-0.046	1.045	97033	0.0518	Target=5.21	104	8.2	M
663.00 > 169.00	4.767	4.804	-0.037	1.047	18127		5.35(2.60-7.81)		111	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	4.962	5.012	-0.050	1.000	10649	0.0441	Target=0.89	88.2	110	M
713.00 > 219.00	4.952	5.012	-0.060	0.998	11565		0.92(0.44-1.33)		134	M
D 43 13C2 PFTeDA										
715.00 > 670.00	4.962	5.012	-0.050	1.458	2205951	1.31		105	6479	

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	5.322	5.367	-0.045	1.000	121263	0.0442	Target=5.65	88.4	11.1	
813.00 > 169.00	5.322	5.367	-0.045	1.000	21018		5.77(2.82-8.47)		154	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.322	5.367	-0.045	1.564	2690248	1.29		103	4178	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.677	5.722	-0.045	1.067	88949	0.0502	Target=6.24	100	11.7	M
913.00 > 169.00	5.668	5.722	-0.054	1.065	14555		6.11(3.12-9.36)		172	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCLOQV_00023

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromf\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d

Injection Date: 02-Dec-2022 12:41:25

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

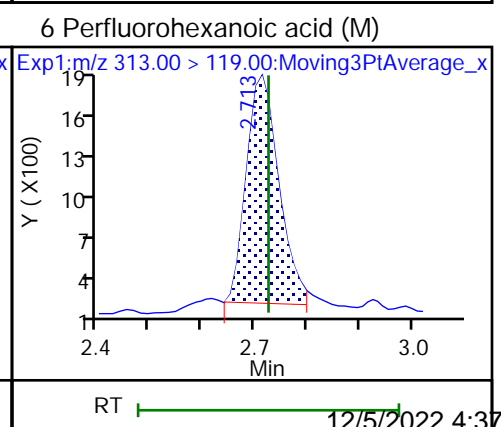
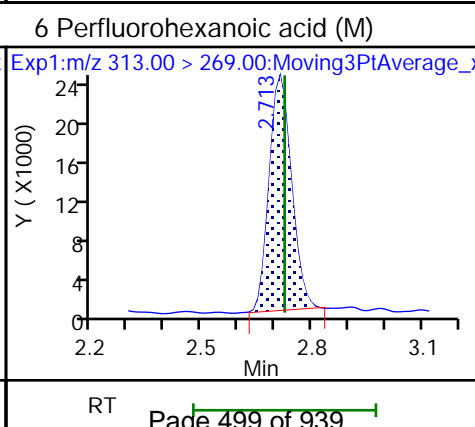
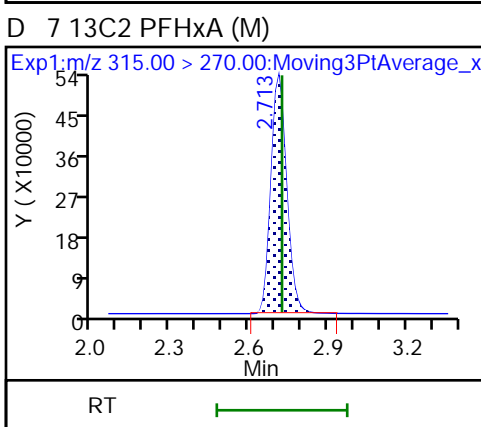
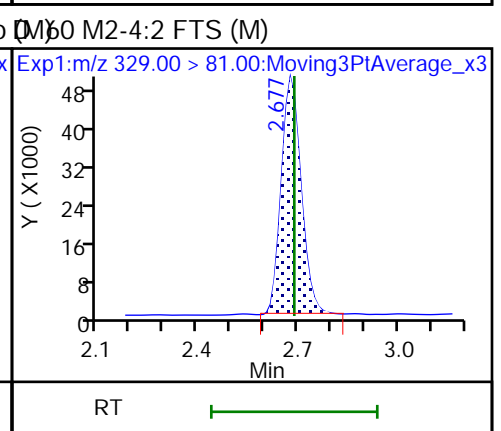
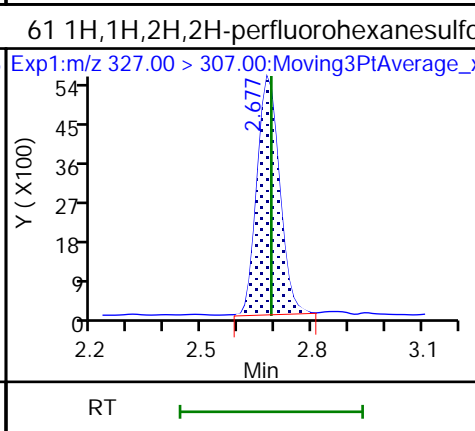
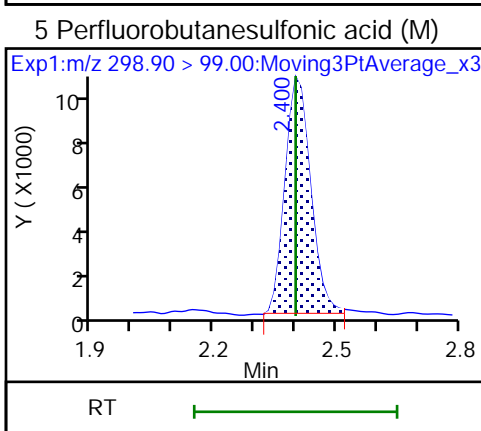
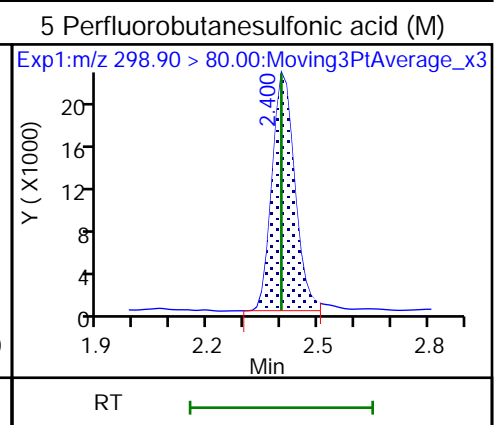
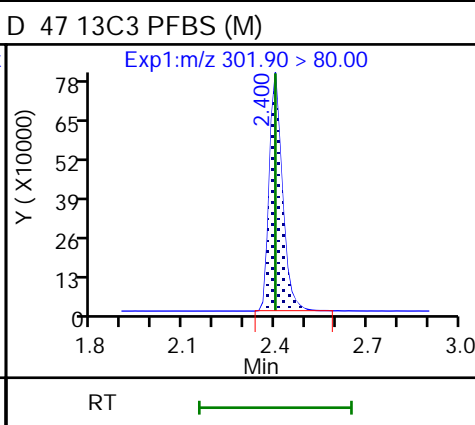
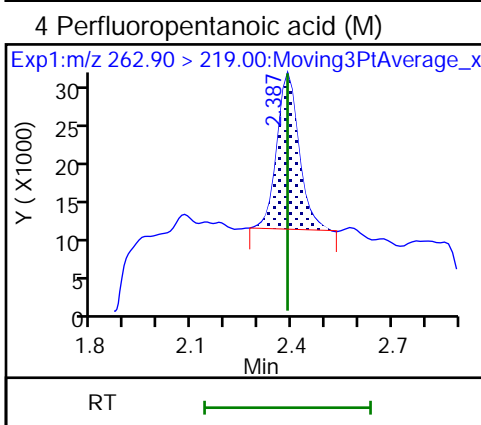
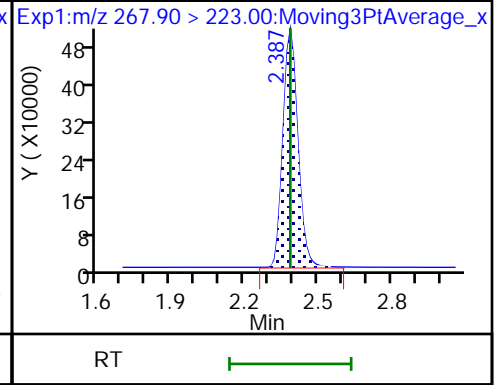
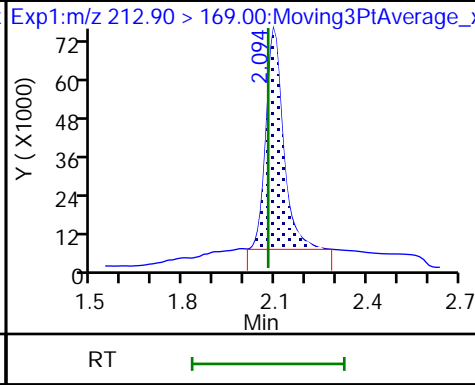
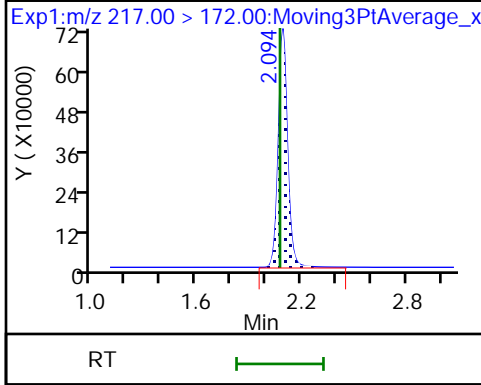
Method: PFC_LC812

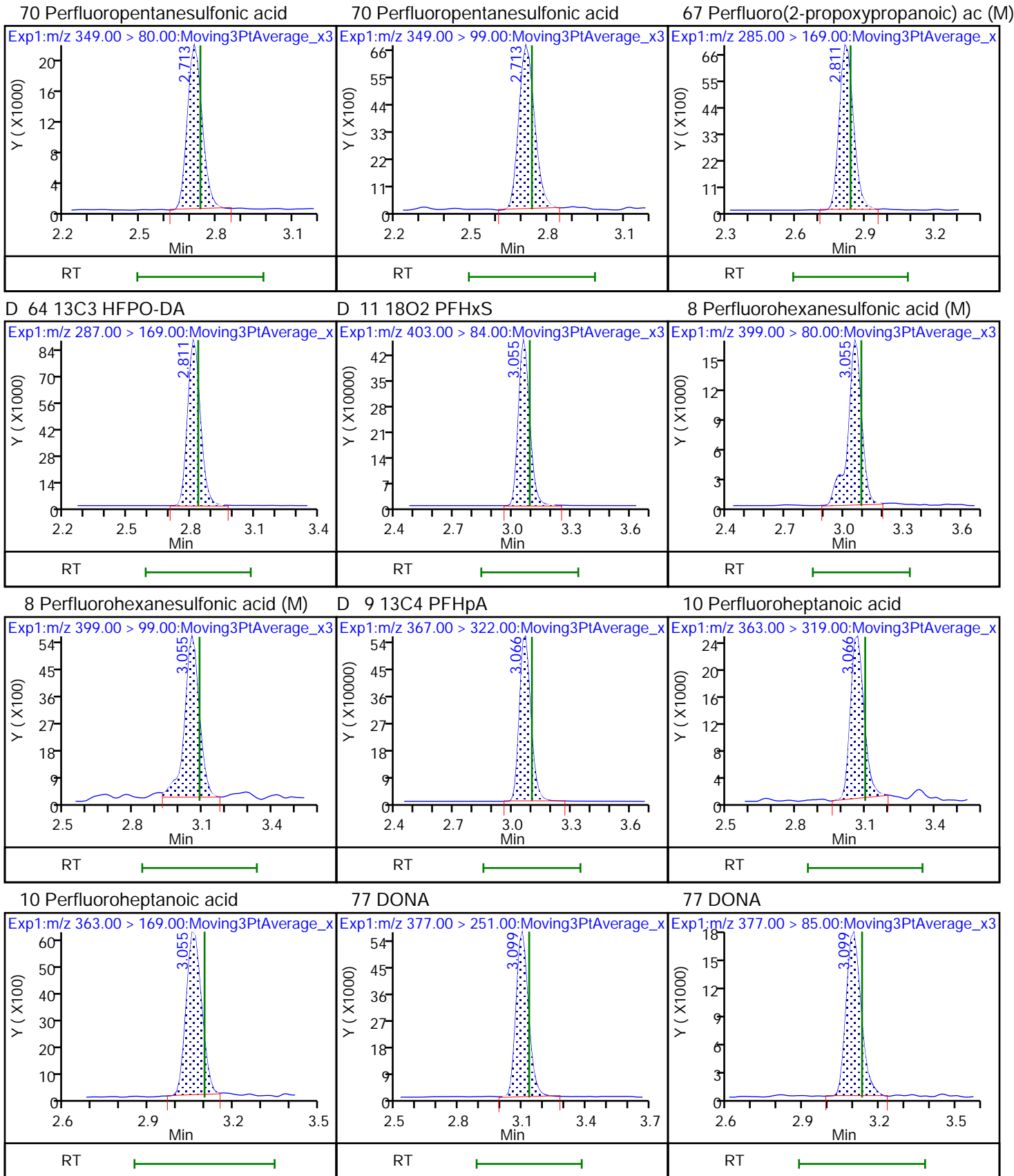
Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

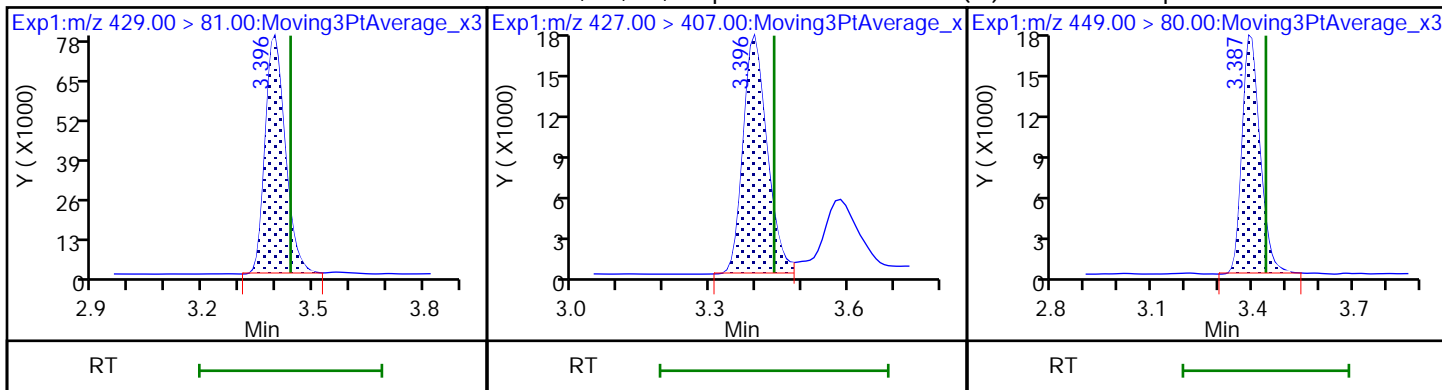
D 3 13C5 PFPeA





D 12 M2-6:2 FTS

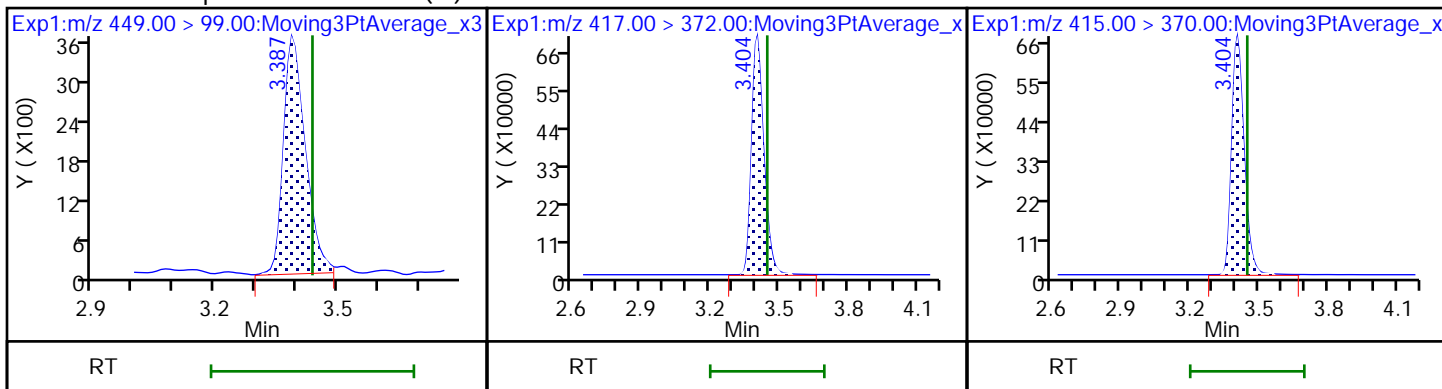
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 6 Perfluoroheptanesulfonic acid



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

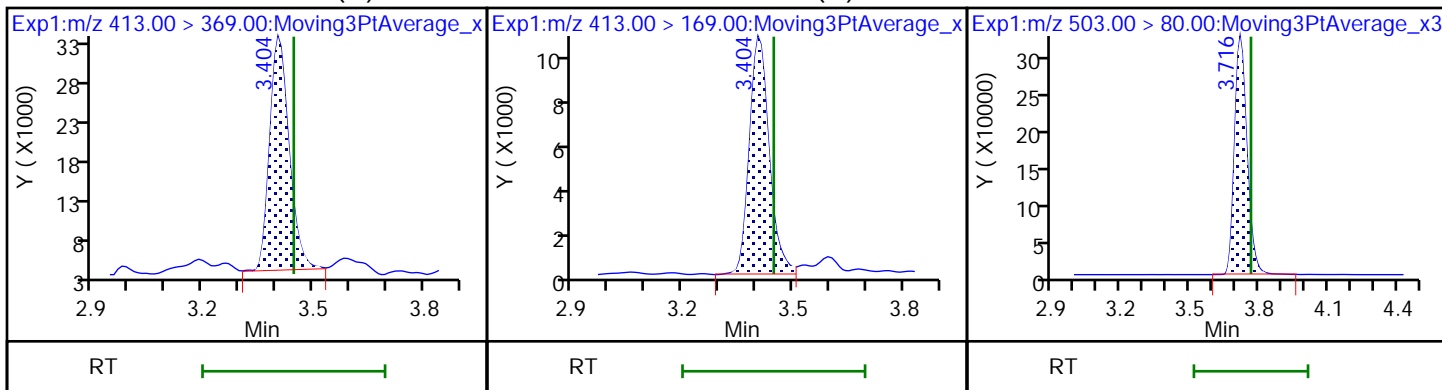
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

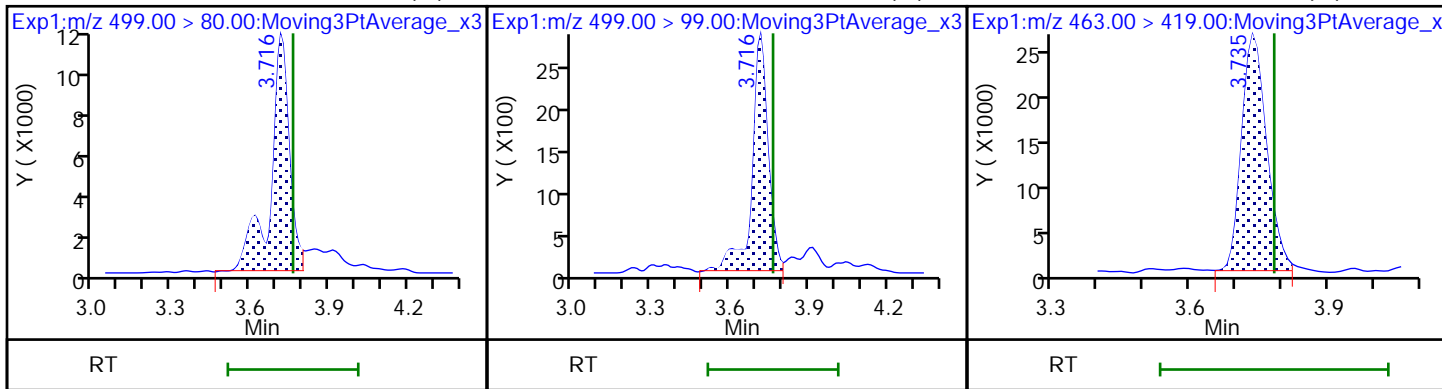
D 18 13C4 PFOS

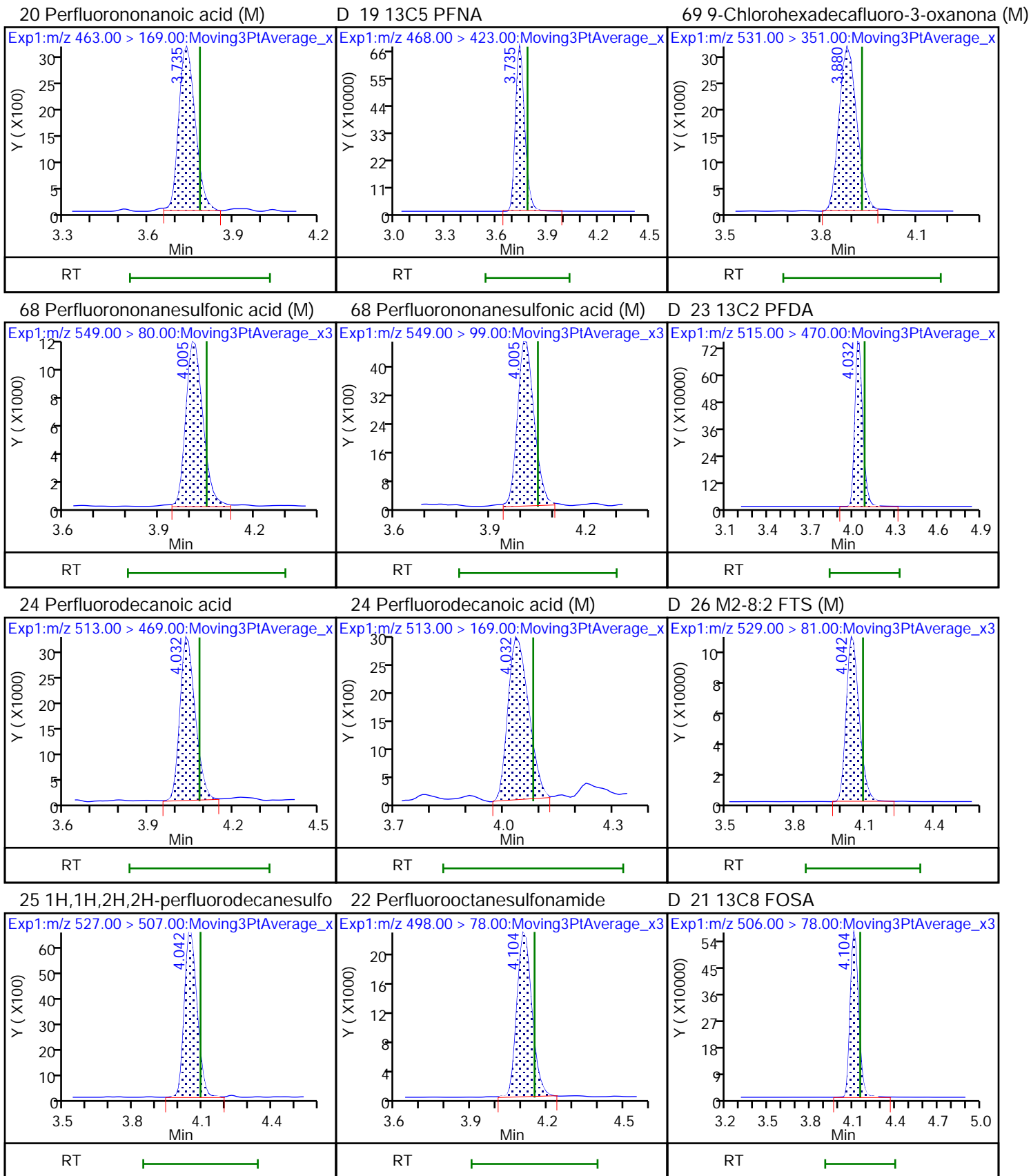


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid (M)

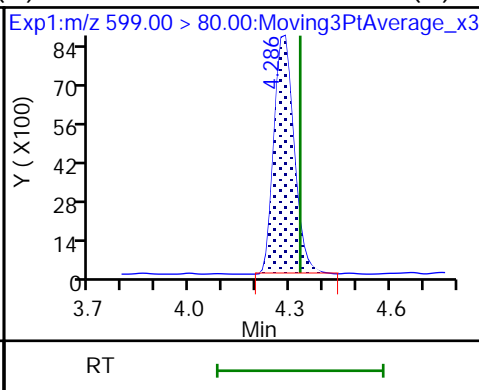
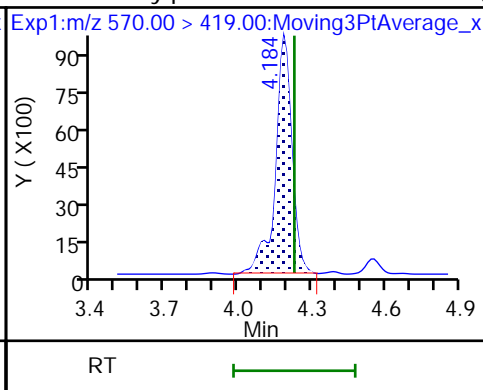
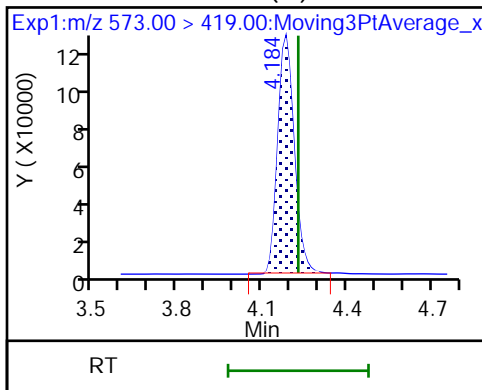




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

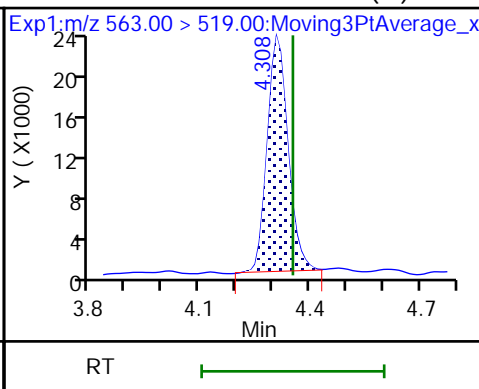
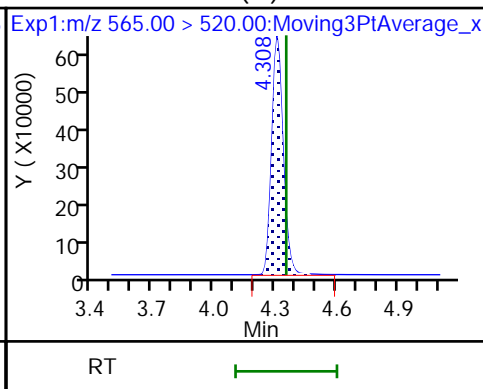
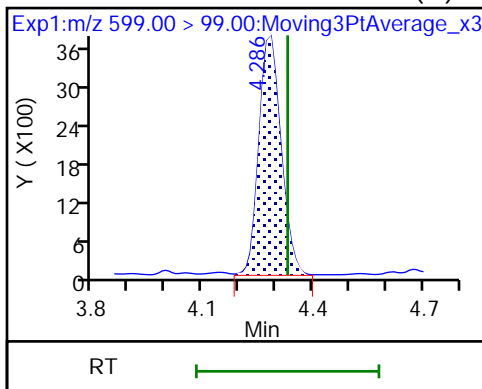
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUa (M)

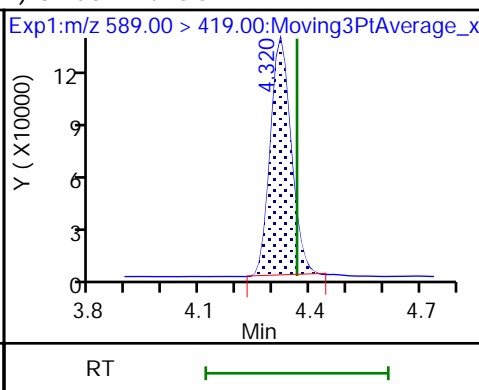
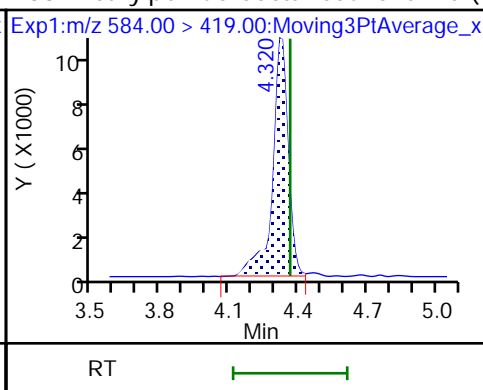
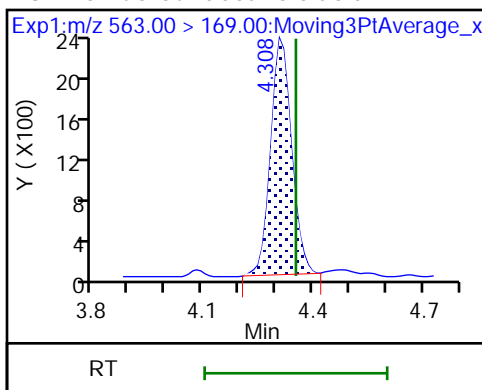
31 Perfluoroundecanoic acid (M)



31 Perfluoroundecanoic acid

33 N-ethylperfluorooctanesulfonamid (M)

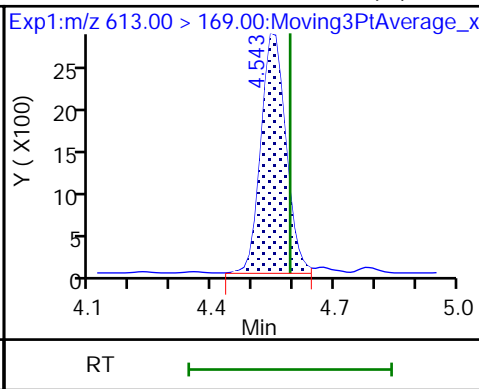
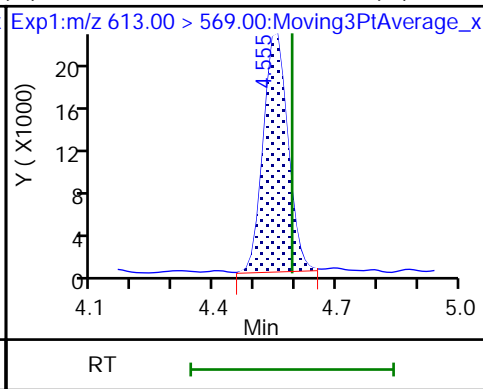
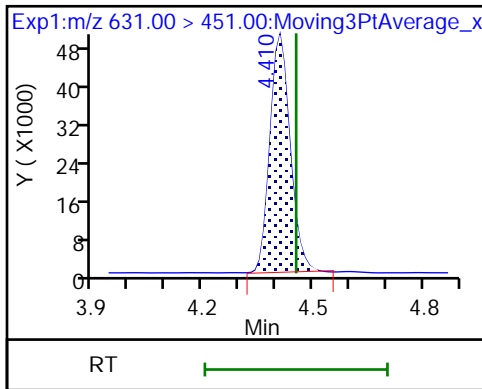
32 d5-NEtFOSAA



66 11-Chloroeicosafuoro-3-oxaundec (M)

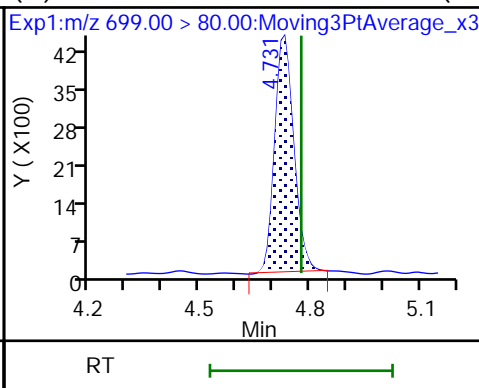
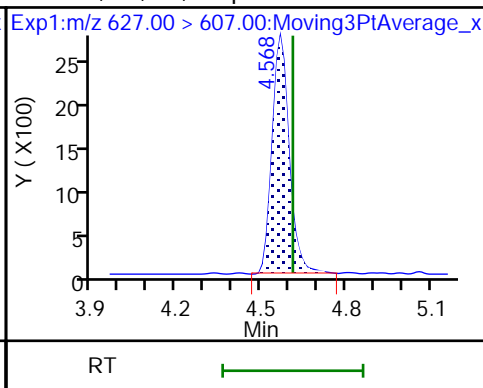
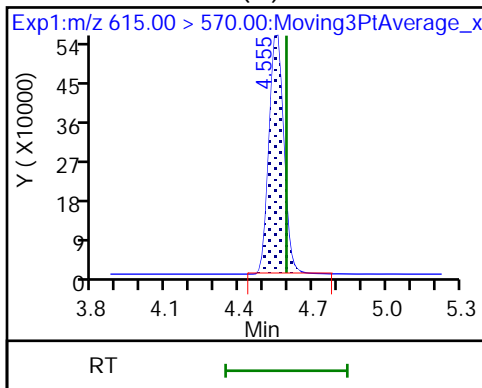
37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid (M)



D 36 13C2 PFDa (M)

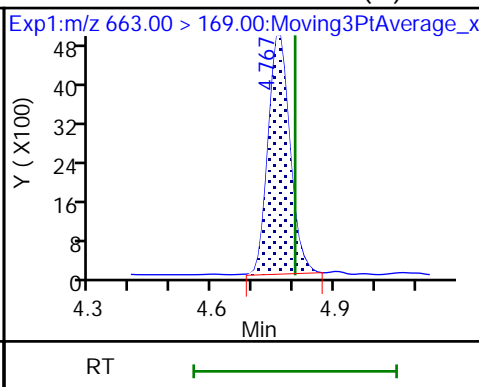
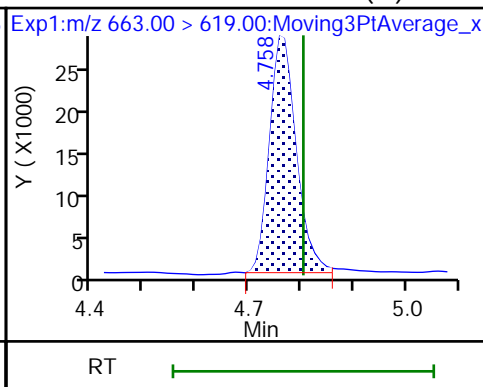
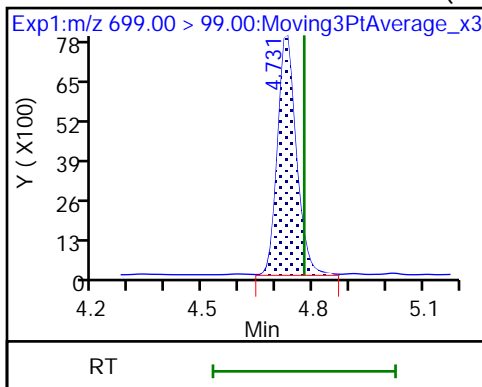
74 1H,1H,2H,2H-perfluorododecanesul (M) Perfluorododecanesulfonic acid (



75 Perfluorododecanesulfonic acid (

41 Perfluorotridecanoic acid (M)

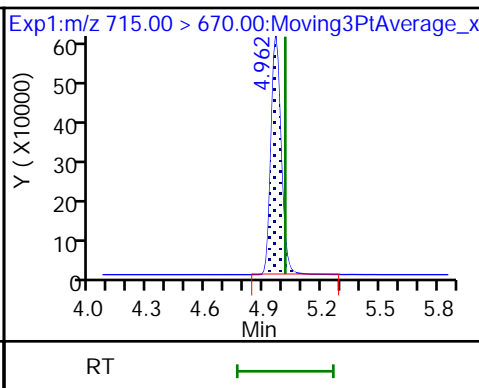
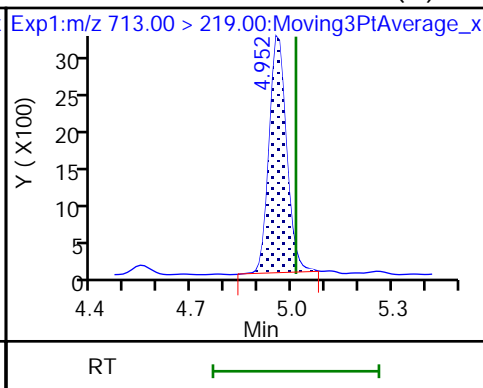
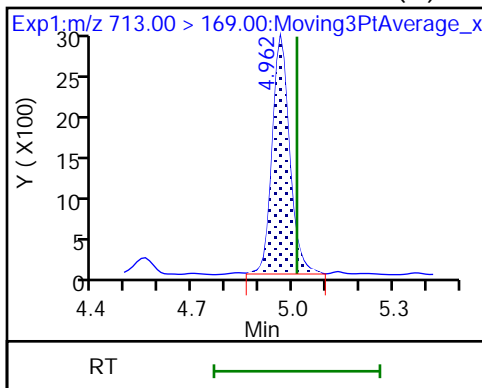
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

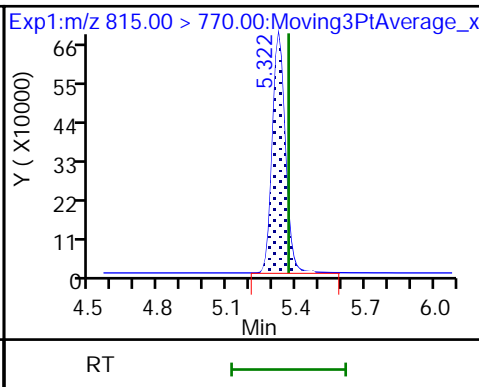
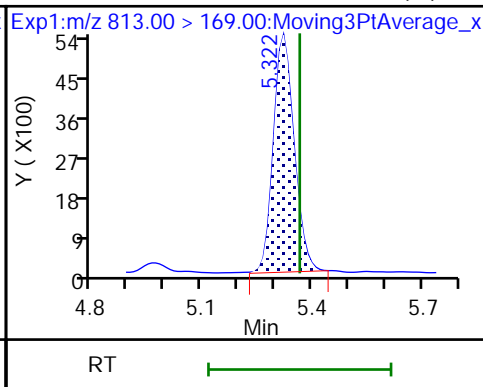
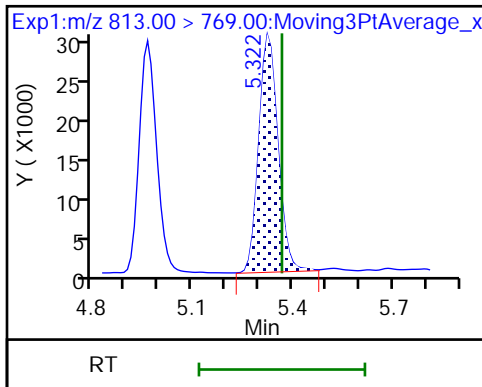
D 43 13C2 PFTeDA



45 Perfluorohexadecanoic acid

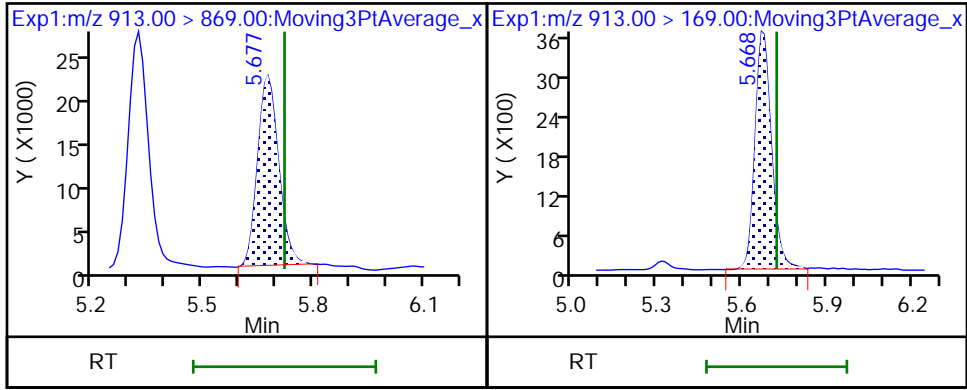
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid



Eurofins Burlington

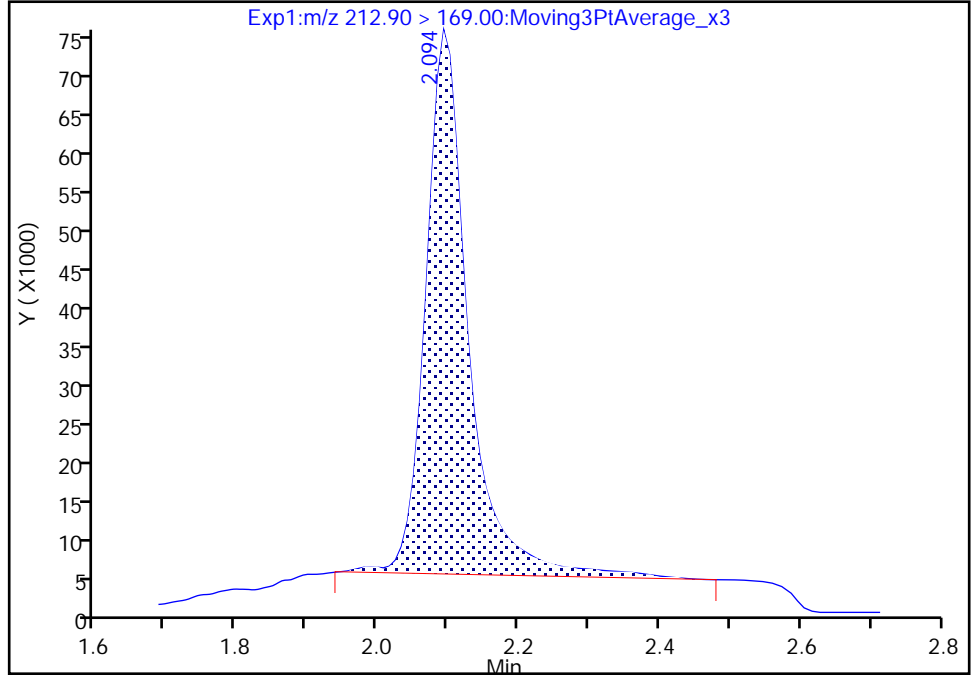
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

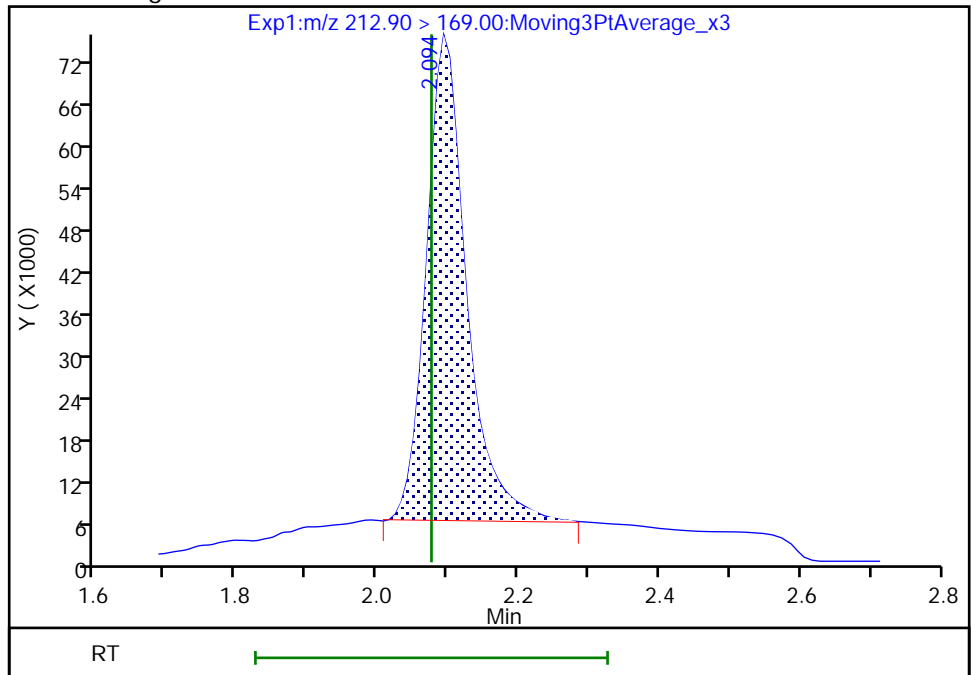
RT: 2.09
Area: 300629
Amount: 0.137420
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 277237
Amount: 0.126727
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:41:40
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

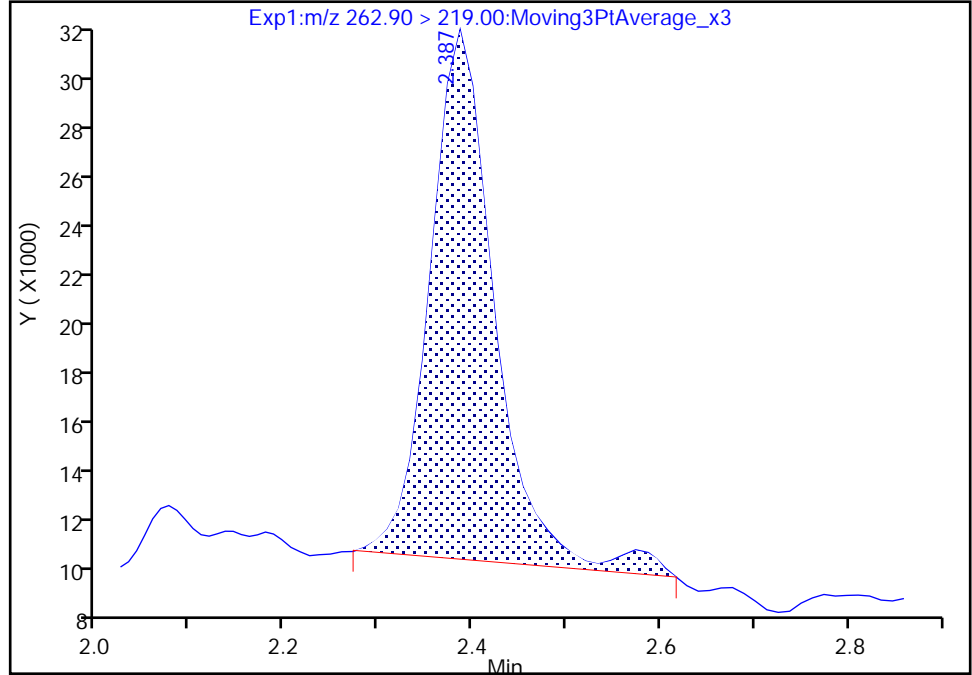
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

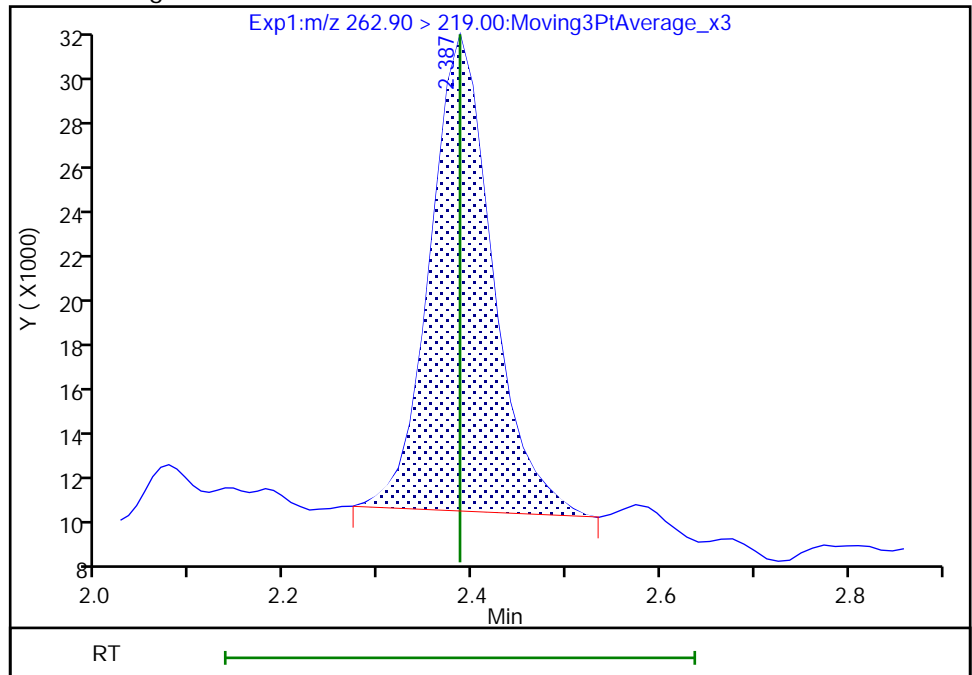
RT: 2.39
Area: 99517
Amount: 0.053034
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 94541
Amount: 0.050382
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:42:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

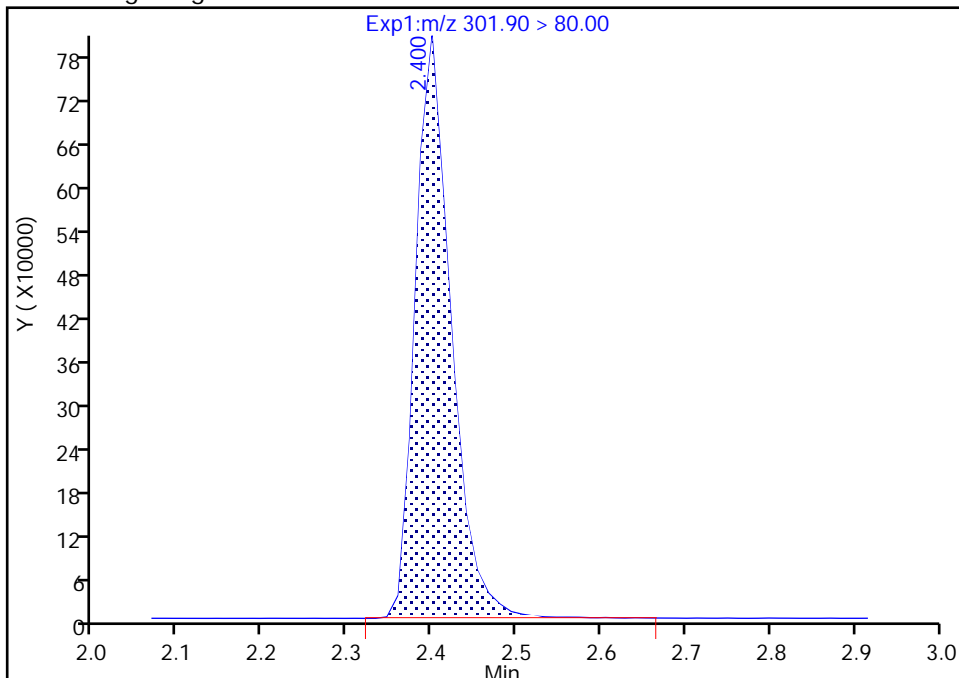
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

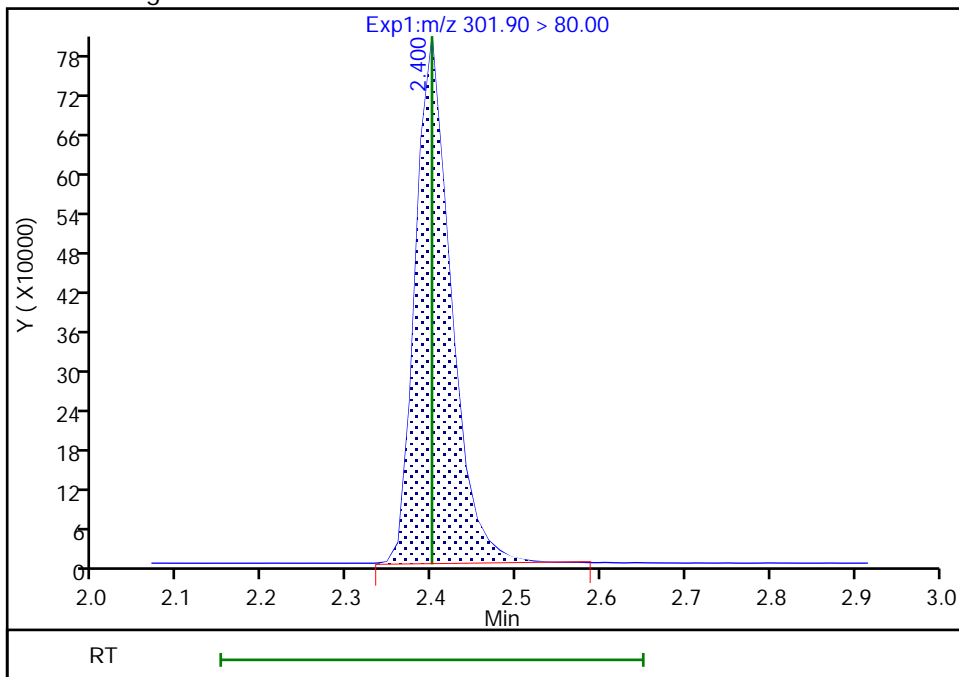
RT: 2.40
Area: 2347385
Amount: 1.239680
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 2340852
Amount: 1.236230
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:40:28
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

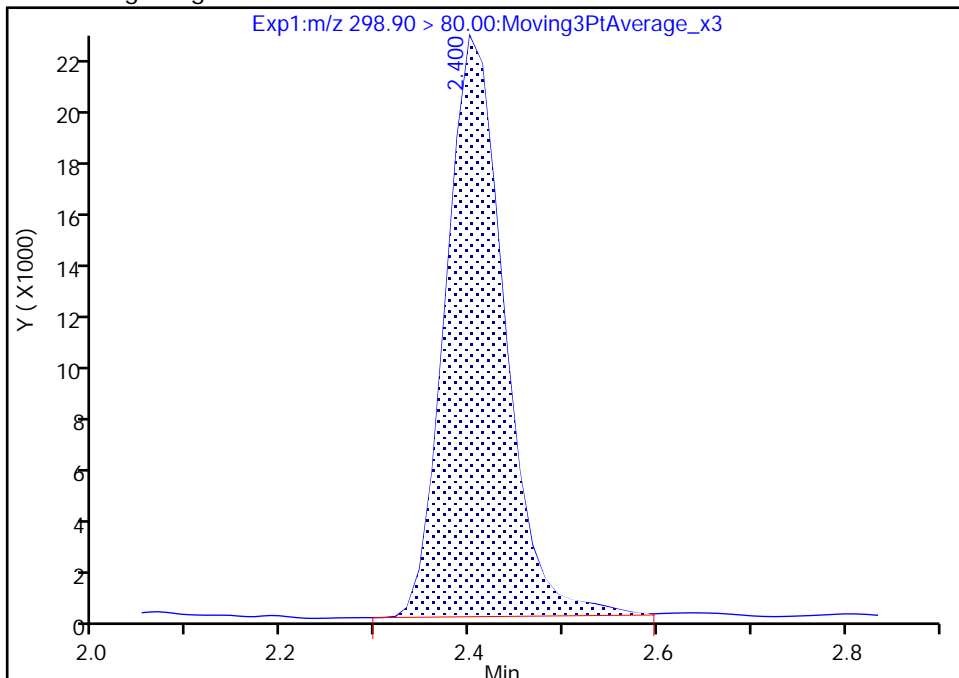
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

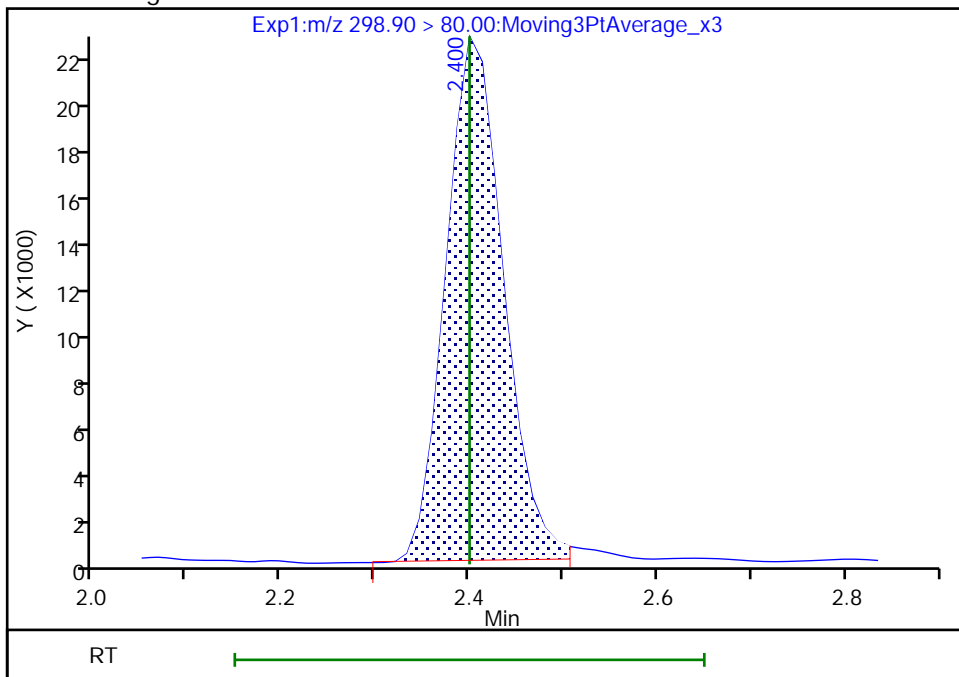
RT: 2.40
Area: 97679
Amount: 0.042400
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 96276
Amount: 0.041791
Amount Units: ng/ml

Manual Integration Results



Reviewer: SJ4N, 05-Dec-2022 10:55:37
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 509 of 939

Eurofins Burlington

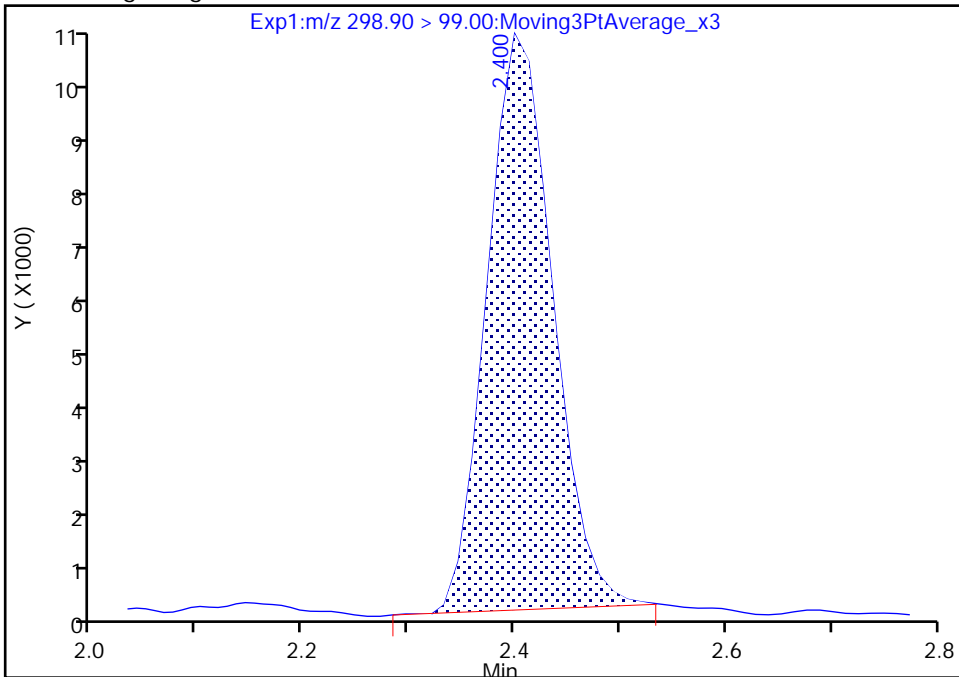
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

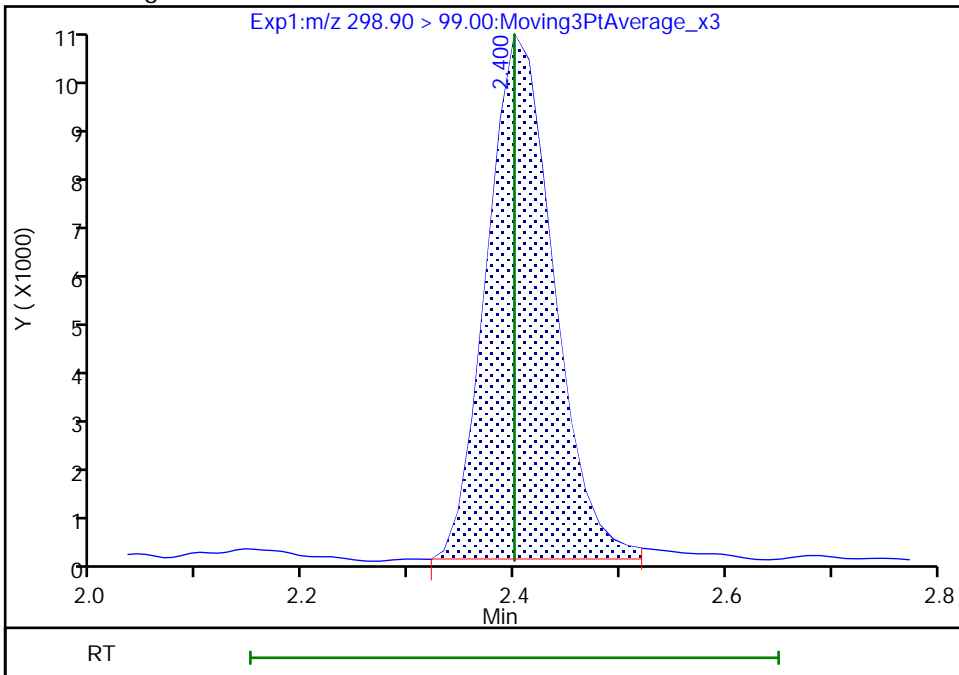
RT: 2.40
Area: 45699
Amount: 0.042400
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 46749
Amount: 0.041791
Amount Units: ng/ml

Manual Integration Results



Reviewer: SJ4N, 05-Dec-2022 10:55:40

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

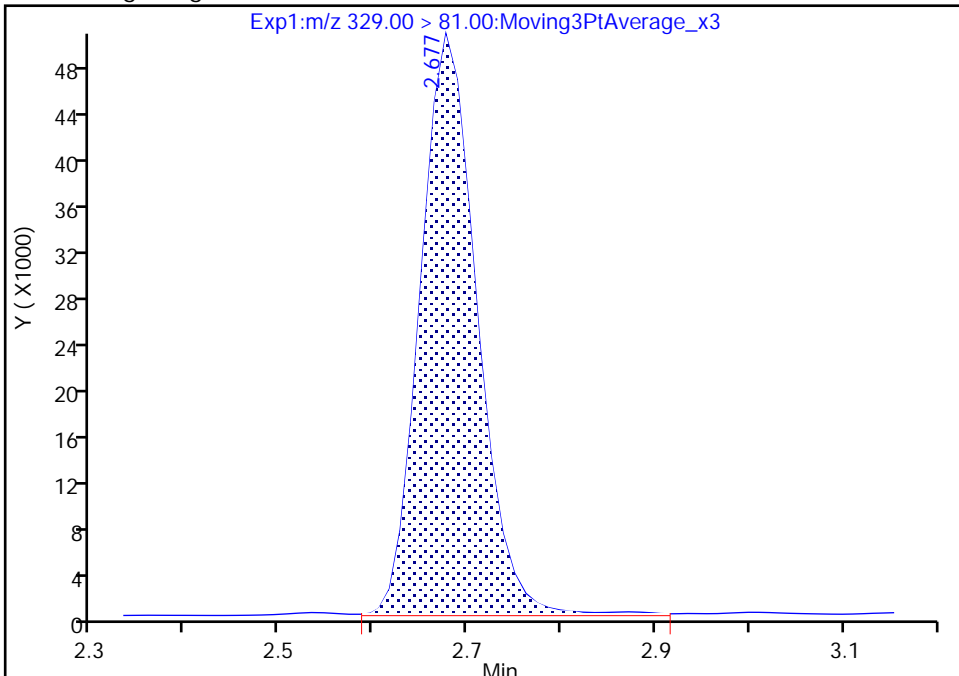
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 60 M2-4:2 FTS, CAS: STL02395

Signal: 1

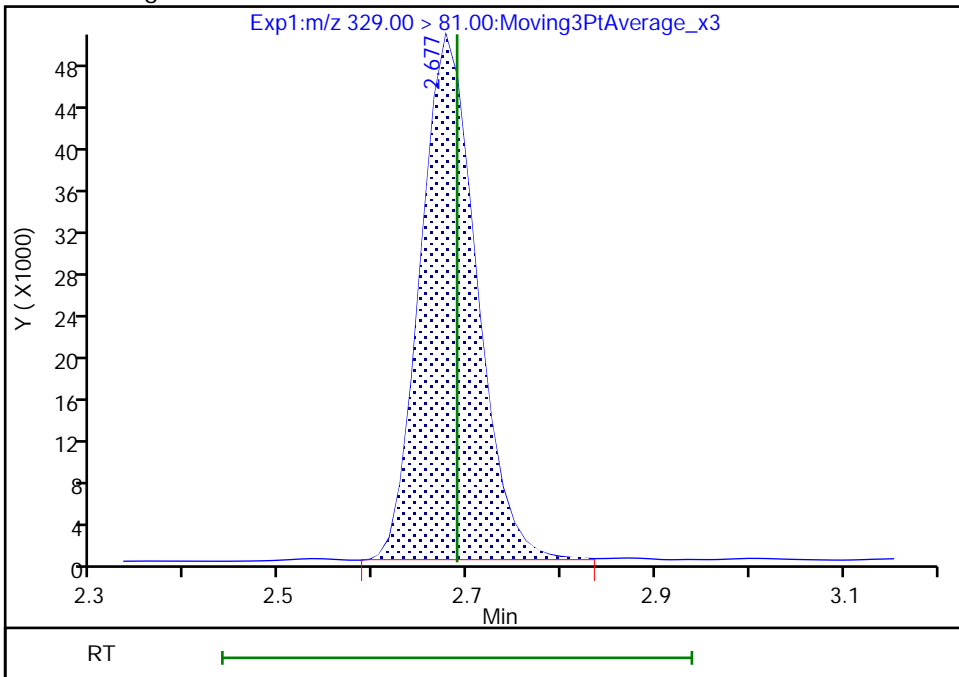
RT: 2.68
Area: 213499
Amount: 1.276012
Amount Units: ng/ml

Processing Integration Results



RT: 2.68
Area: 208609
Amount: 1.246786
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:40:34
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 511 of 939

Eurofins Burlington

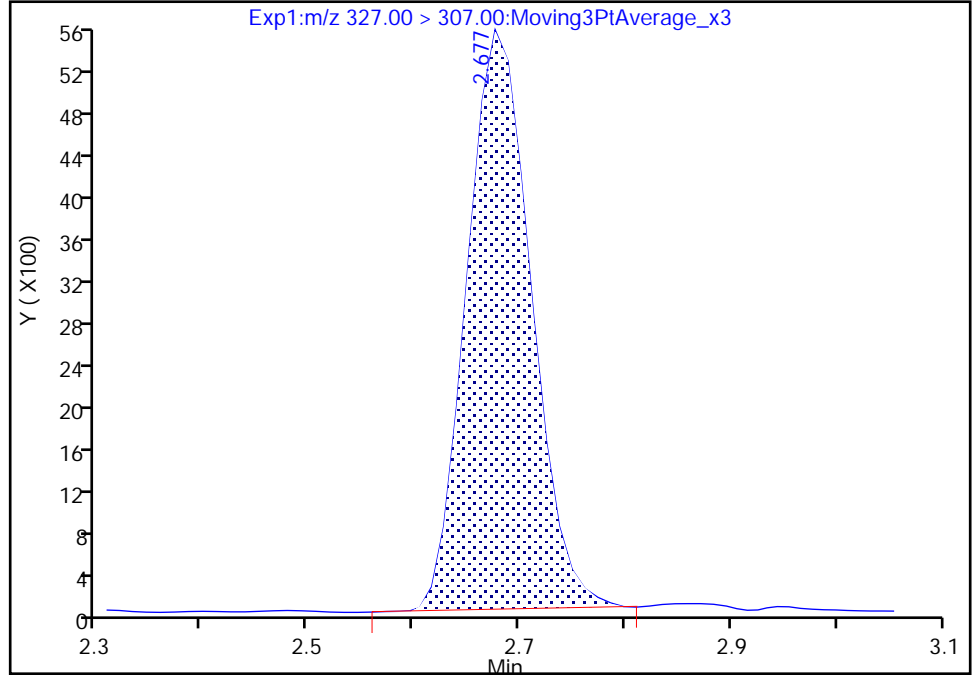
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

61 1H,1H,2H,2H-perfluorohexanesulfo, CAS: 757124-72-4

Signal: 1

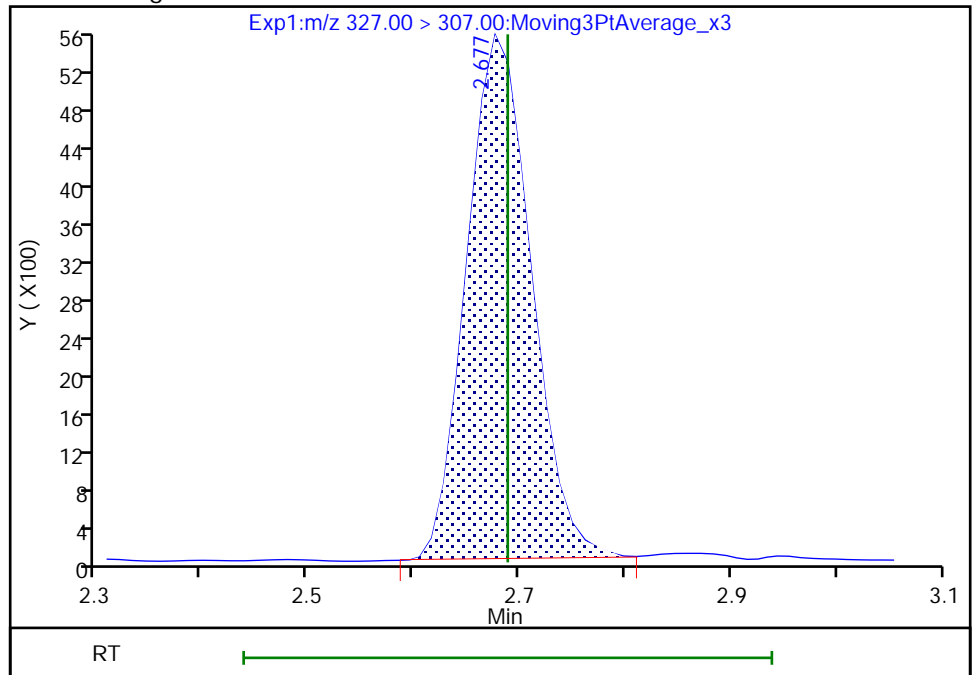
RT: 2.68
Area: 23380
Amount: 0.042472
Amount Units: ng/ml

Processing Integration Results



RT: 2.68
Area: 23364
Amount: 0.042443
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:42:28
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 512 of 939

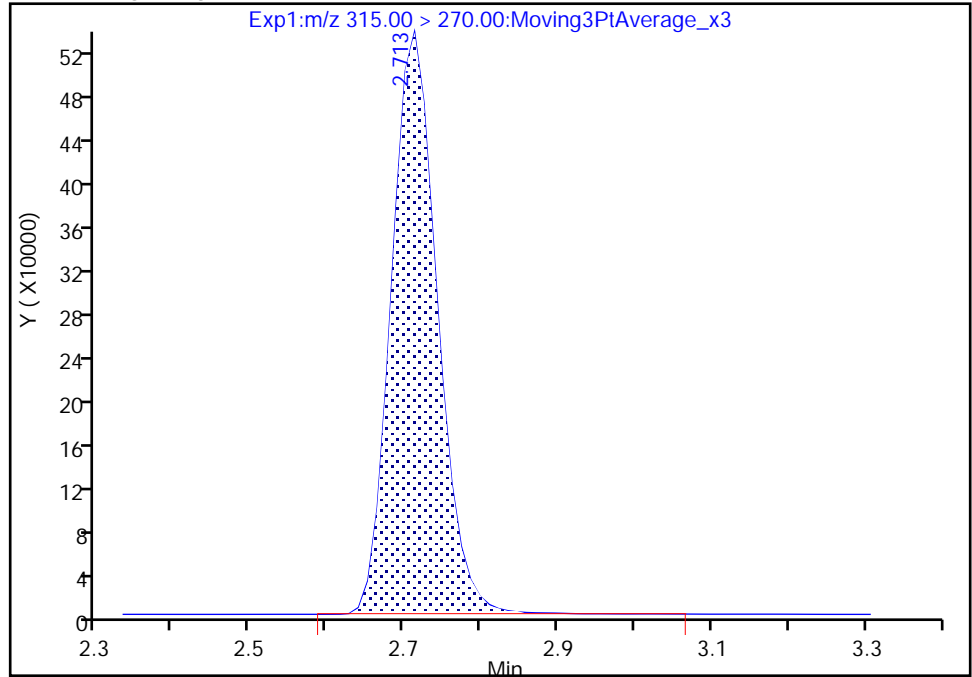
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 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 7 13C2 PFHxA, CAS: STL00993
Signal: 1

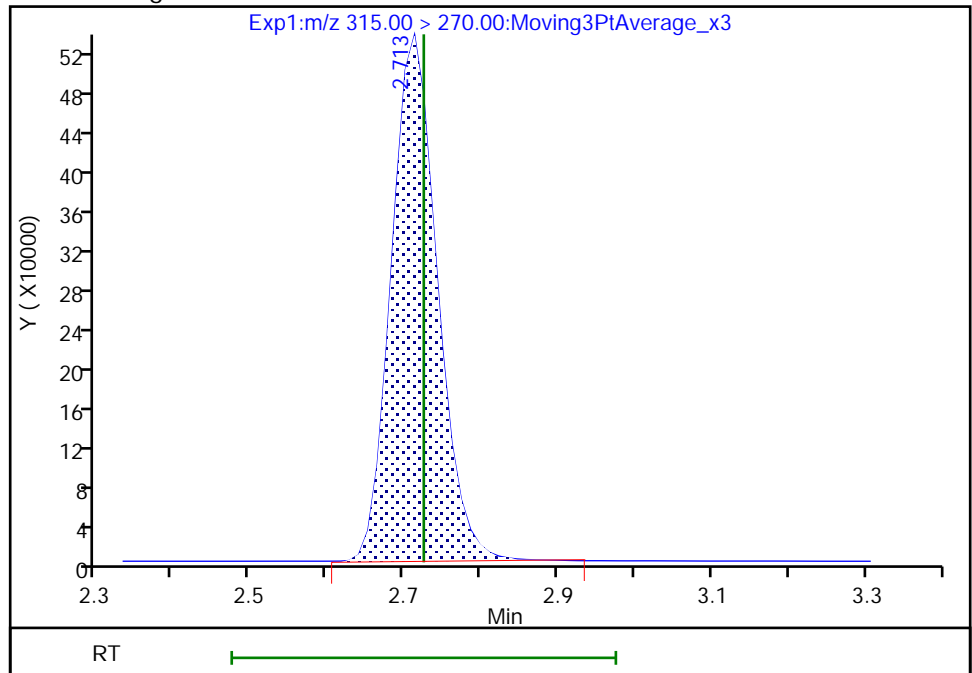
RT: 2.71
Area: 2218264
Amount: 1.214741
Amount Units: ng/ml

Processing Integration Results



RT: 2.71
Area: 2213525
Amount: 1.212146
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:40:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 513 of 939

Eurofins Burlington

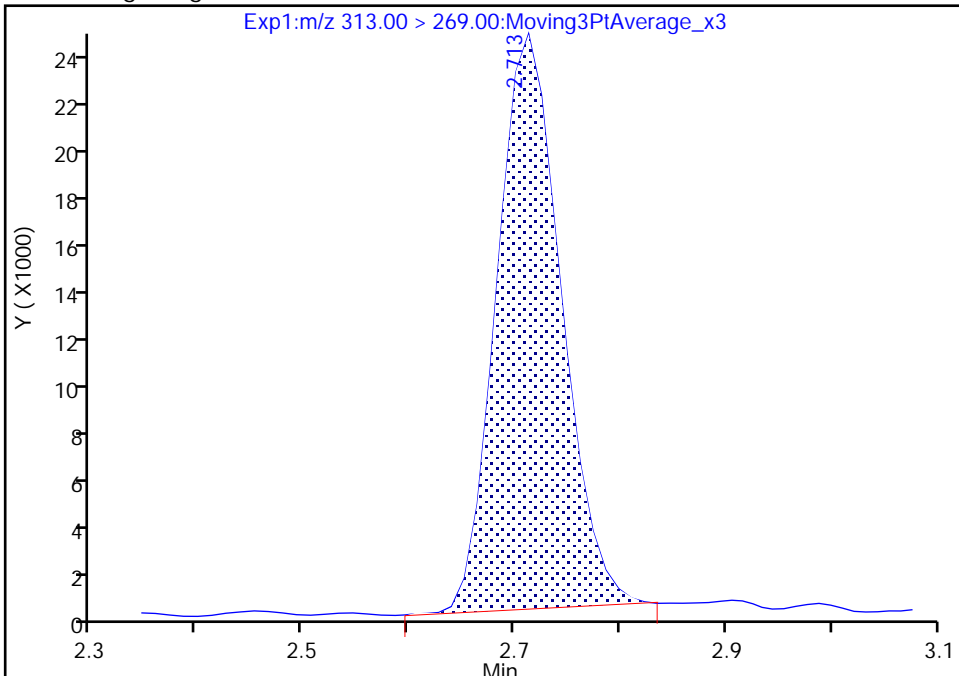
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

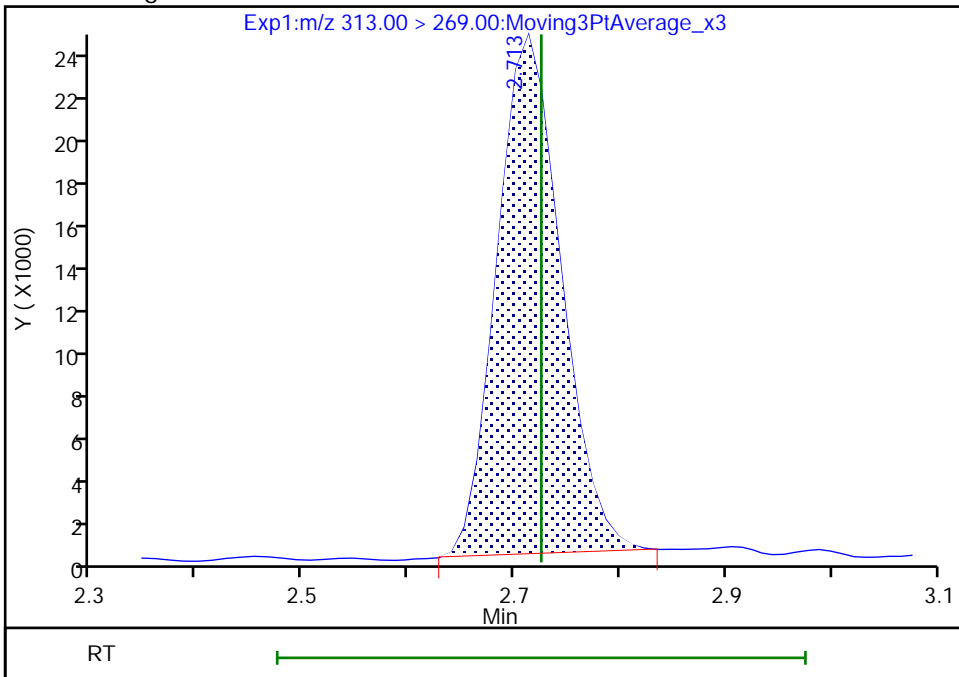
RT: 2.71
Area: 100291
Amount: 0.051978
Amount Units: ng/ml

Processing Integration Results



RT: 2.71
Area: 100024
Amount: 0.051839
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:42:33
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

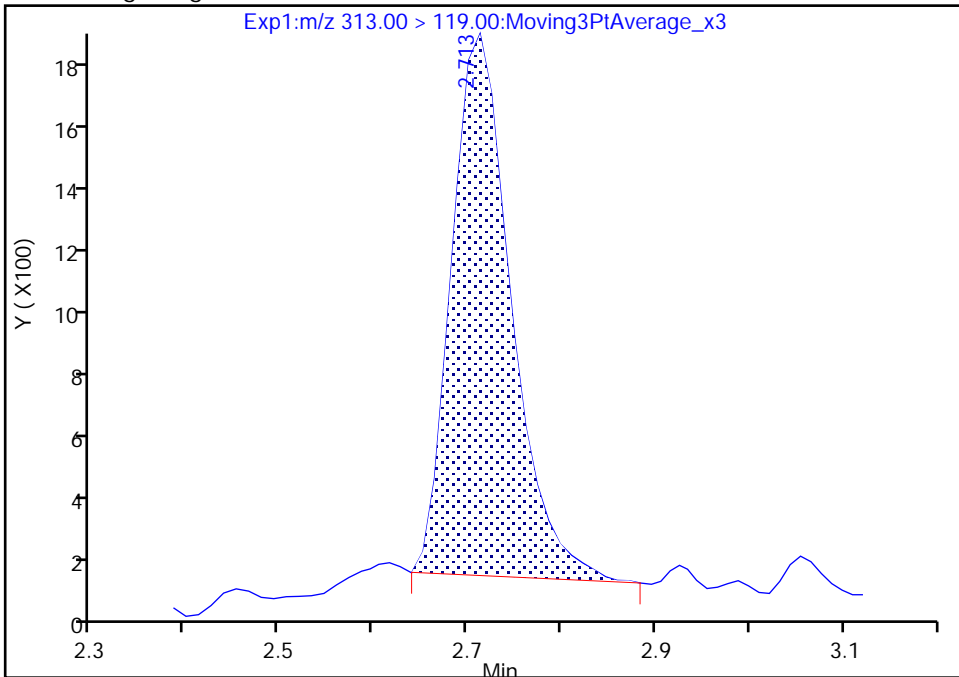
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

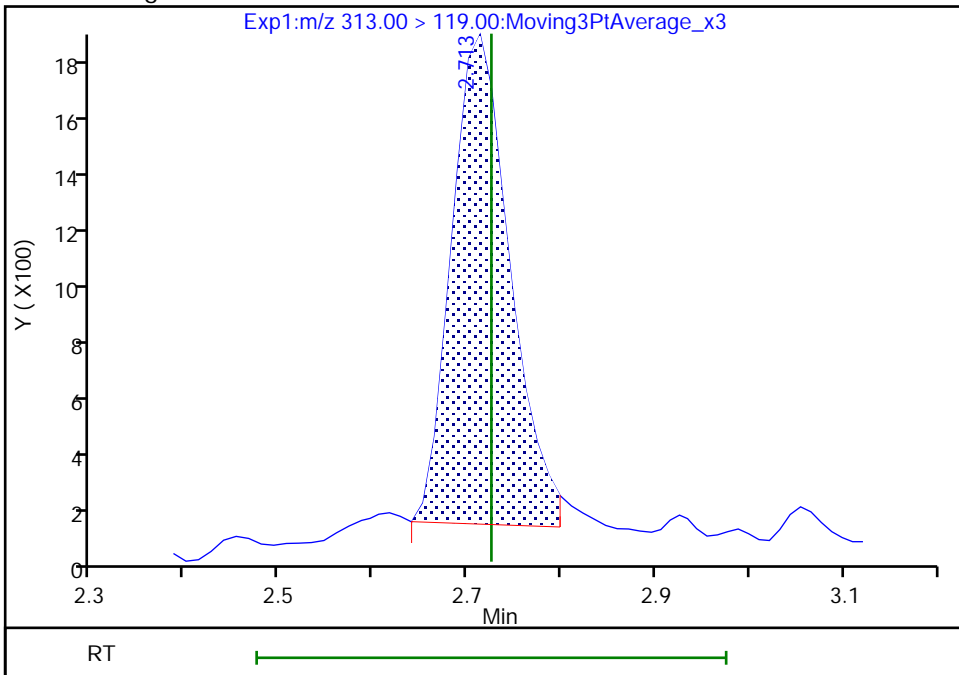
RT: 2.71
Area: 7334
Amount: 0.051978
Amount Units: ng/ml

Processing Integration Results



RT: 2.71
Area: 7157
Amount: 0.051839
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:42:36

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 515 of 939

Eurofins Burlington

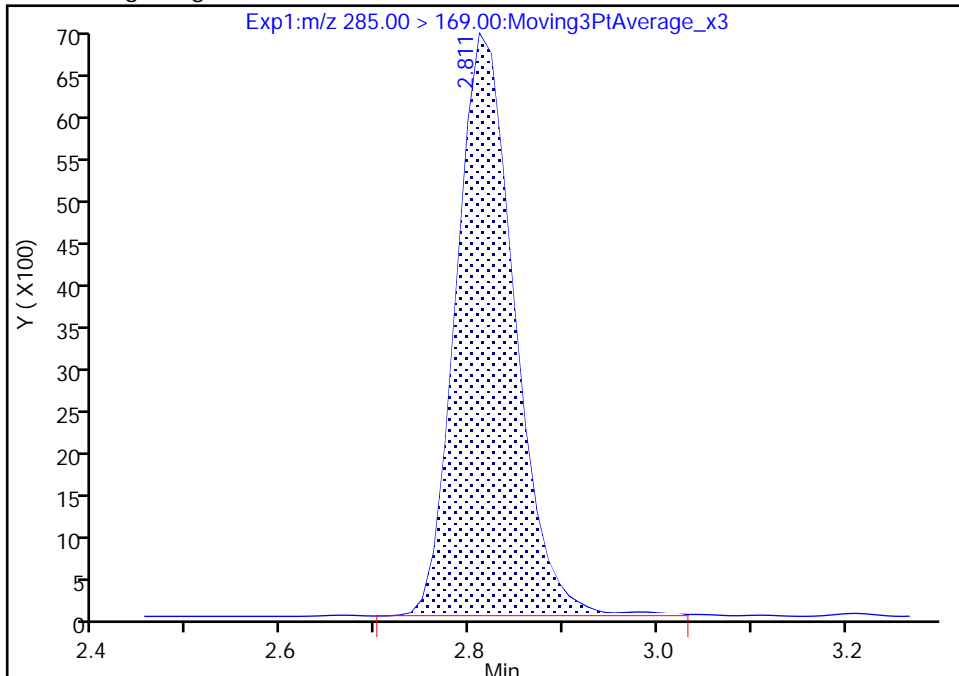
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

67 Perfluoro(2-propoxypropanoic) ac, CAS: 13252-13-6

Signal: 1

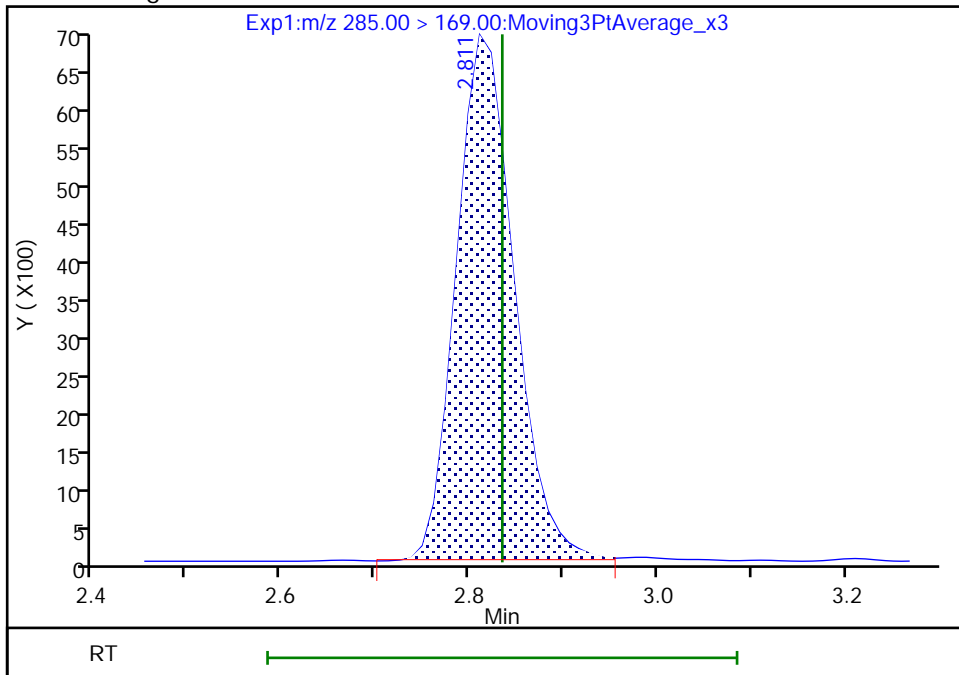
RT: 2.81
Area: 29832
Amount: 0.095310
Amount Units: ng/ml

Processing Integration Results



RT: 2.81
Area: 29746
Amount: 0.095036
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:42:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 516 of 939

Eurofins Burlington

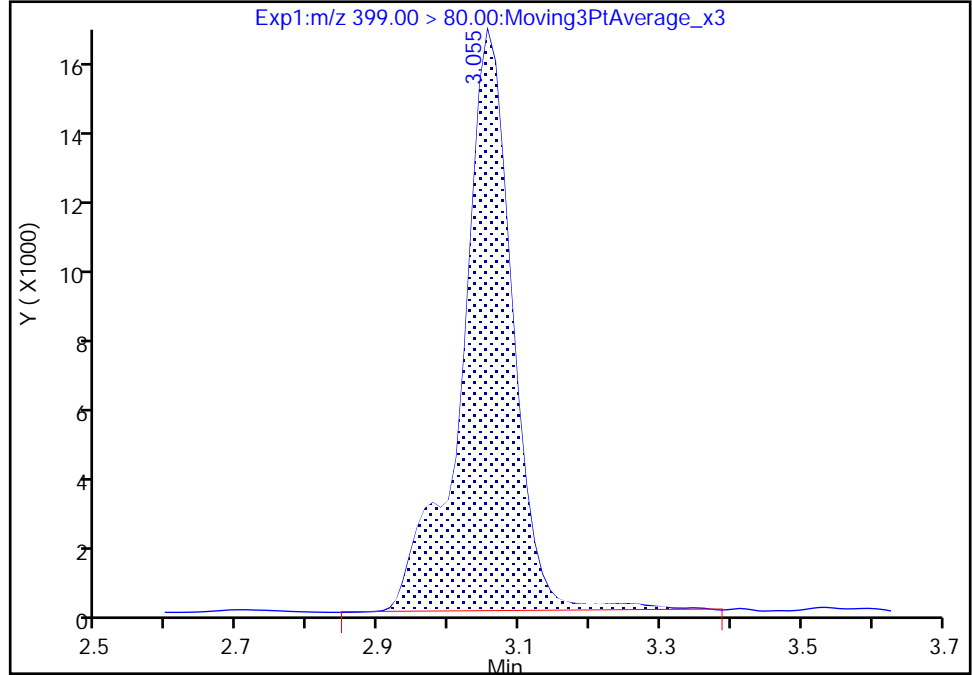
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

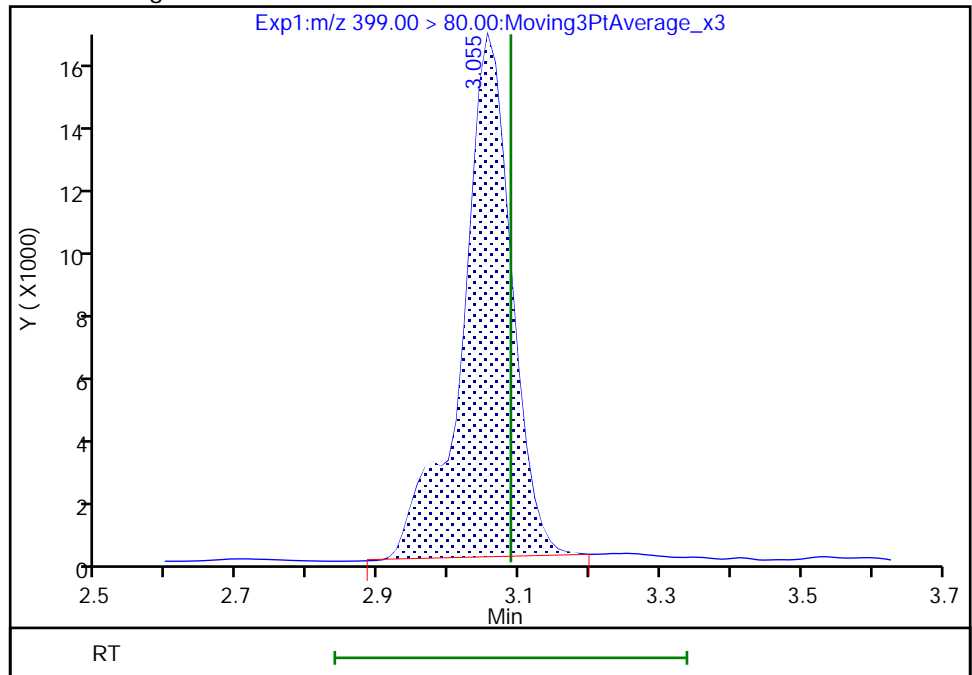
RT: 3.05
Area: 85287
Amount: 0.049497
Amount Units: ng/ml

Processing Integration Results



RT: 3.05
Area: 82100
Amount: 0.047647
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:42:52
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

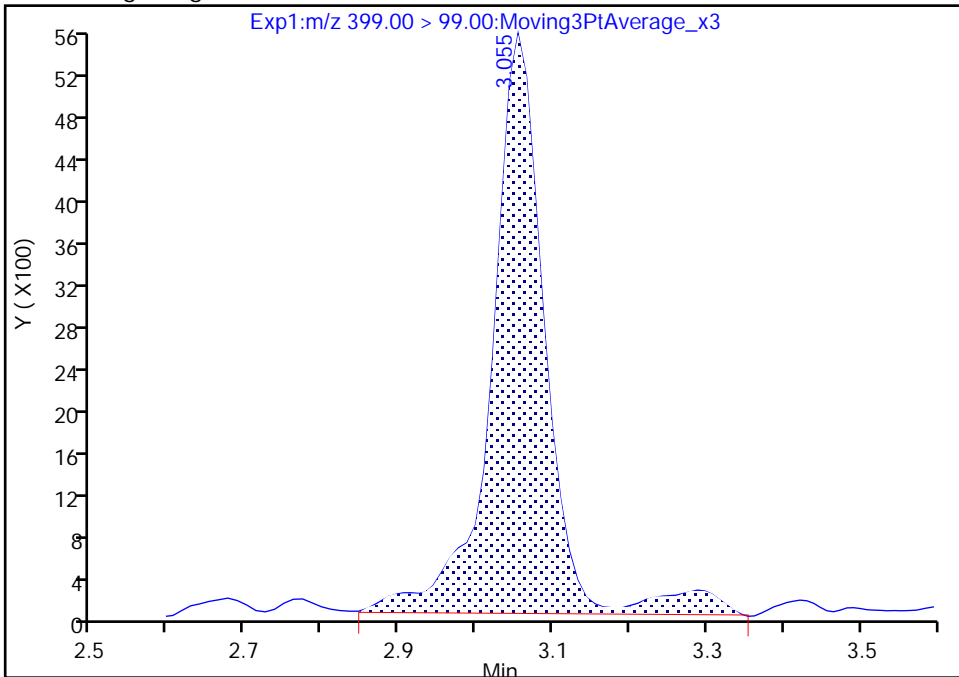
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

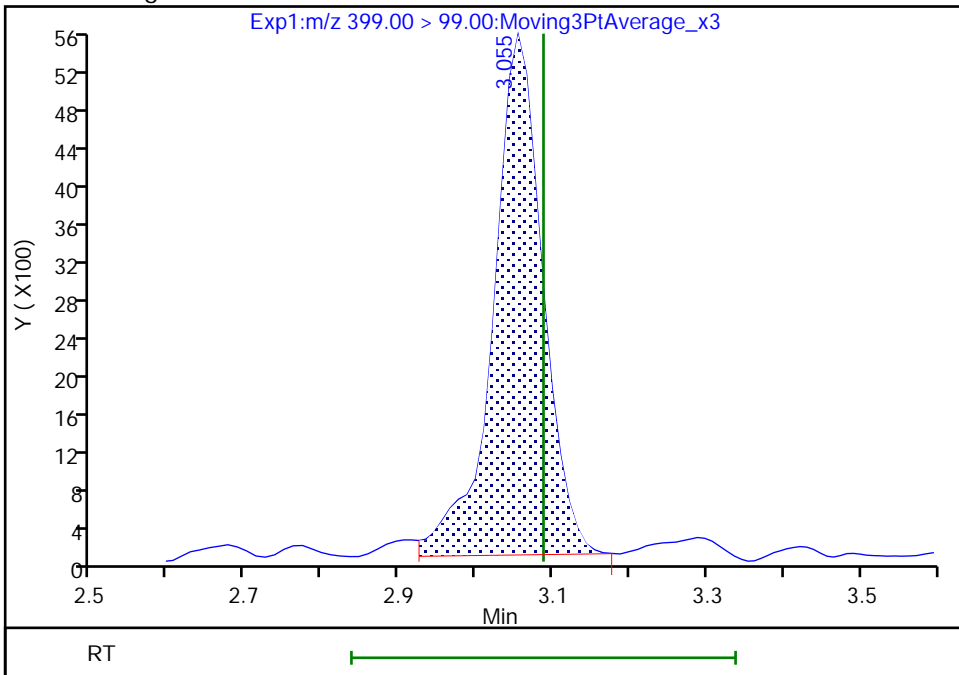
RT: 3.05
Area: 26836
Amount: 0.049497
Amount Units: ng/ml

Processing Integration Results



RT: 3.05
Area: 24188
Amount: 0.047647
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:43:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

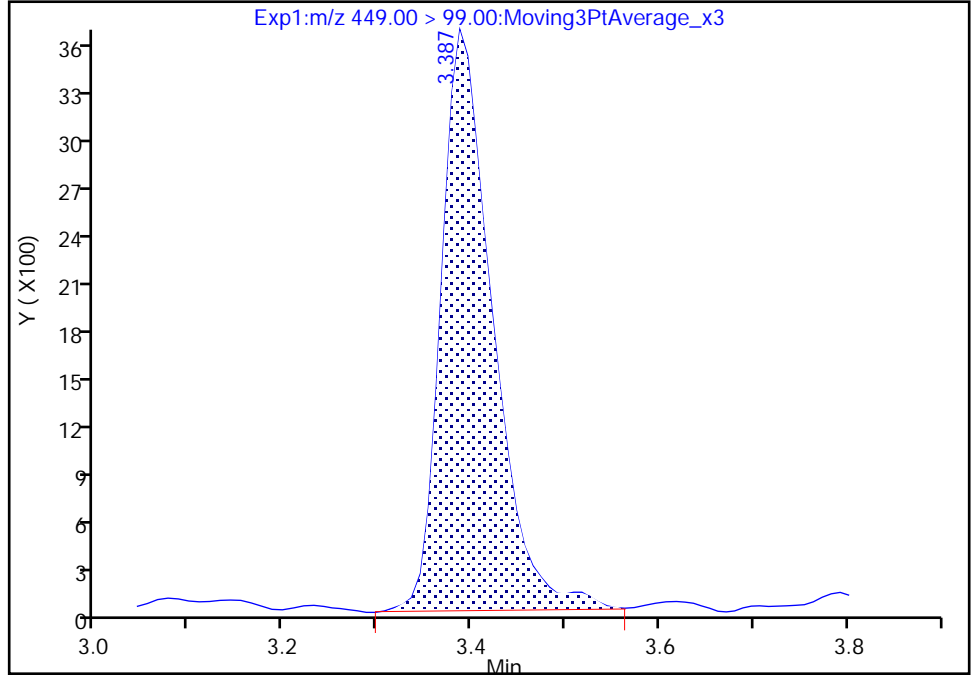
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

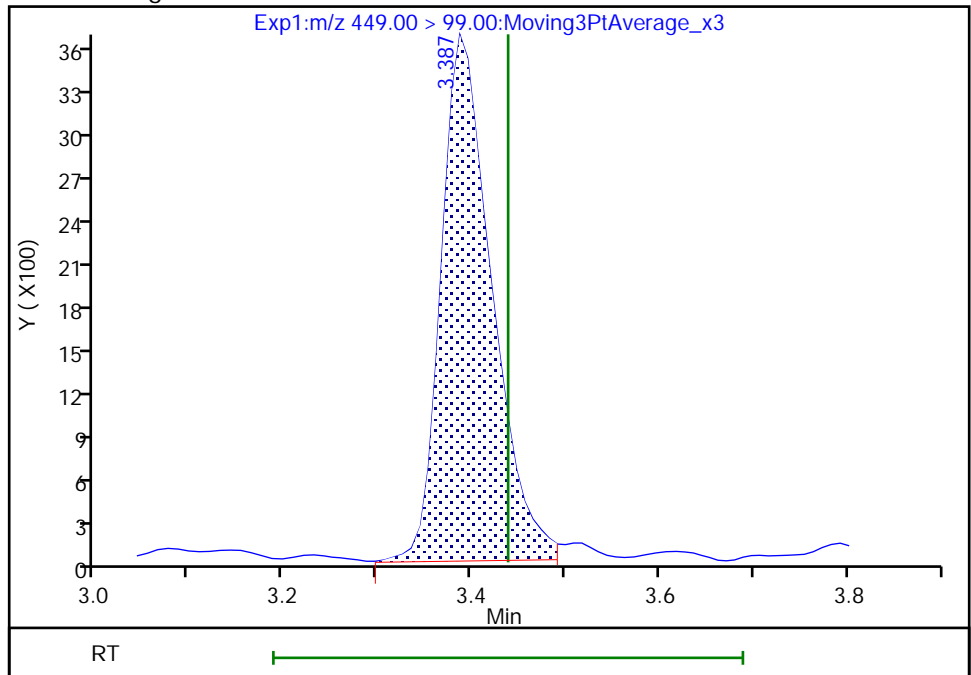
RT: 3.39
Area: 13809
Amount: 0.045840
Amount Units: ng/ml

Processing Integration Results



RT: 3.39
Area: 13549
Amount: 0.045840
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:43:34
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

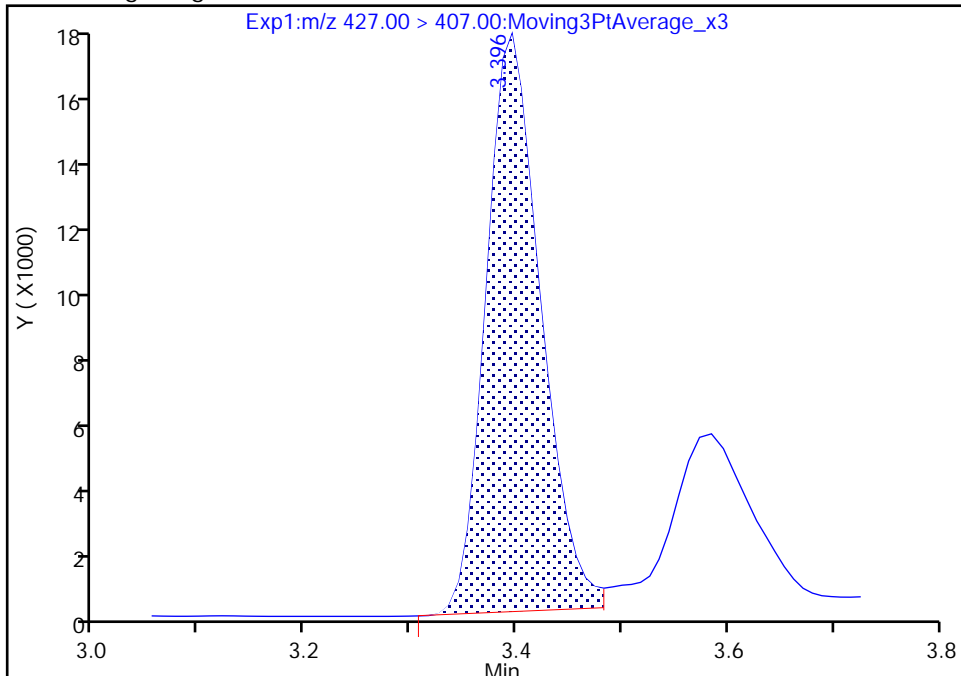
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

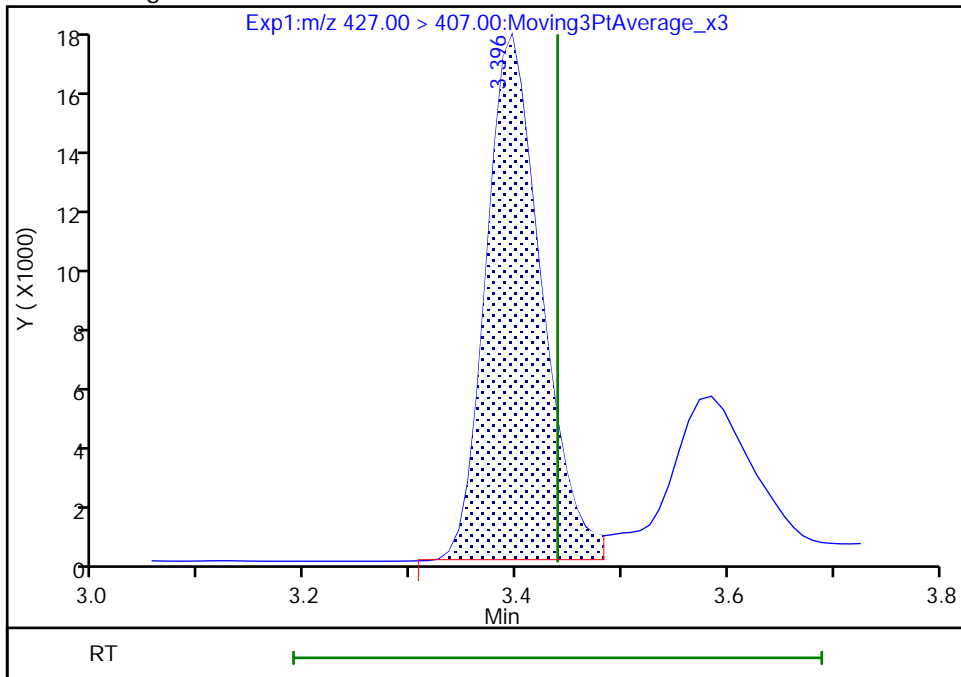
RT: 3.40
Area: 61008
Amount: 0.102147
Amount Units: ng/ml

Processing Integration Results



RT: 3.40
Area: 61897
Amount: 0.103808
Amount Units: ng/ml

Manual Integration Results



Reviewer: SJ4N, 05-Dec-2022 10:56:47
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

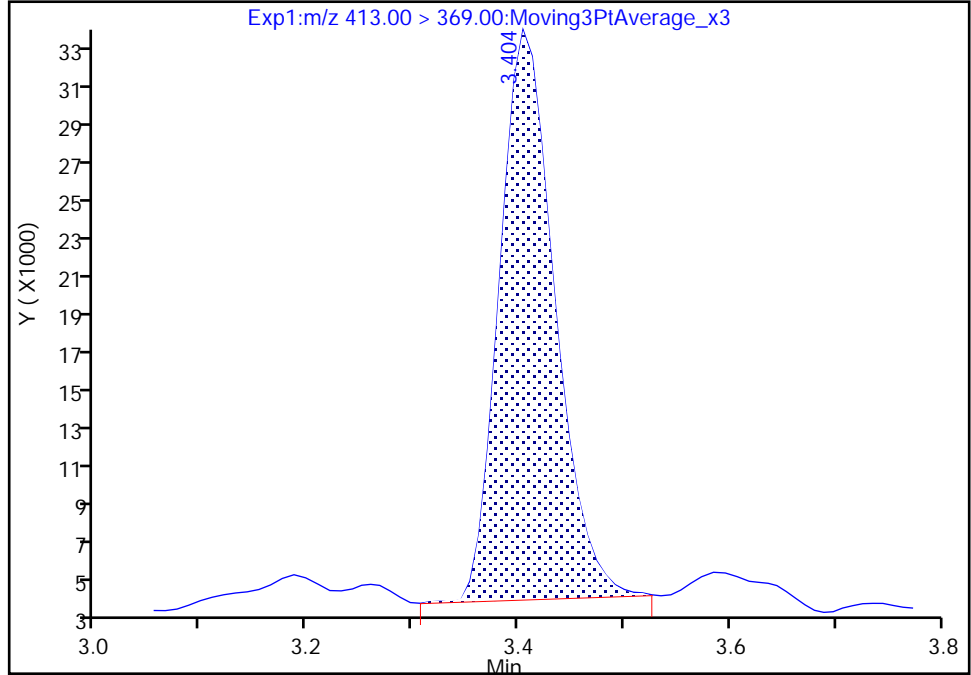
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

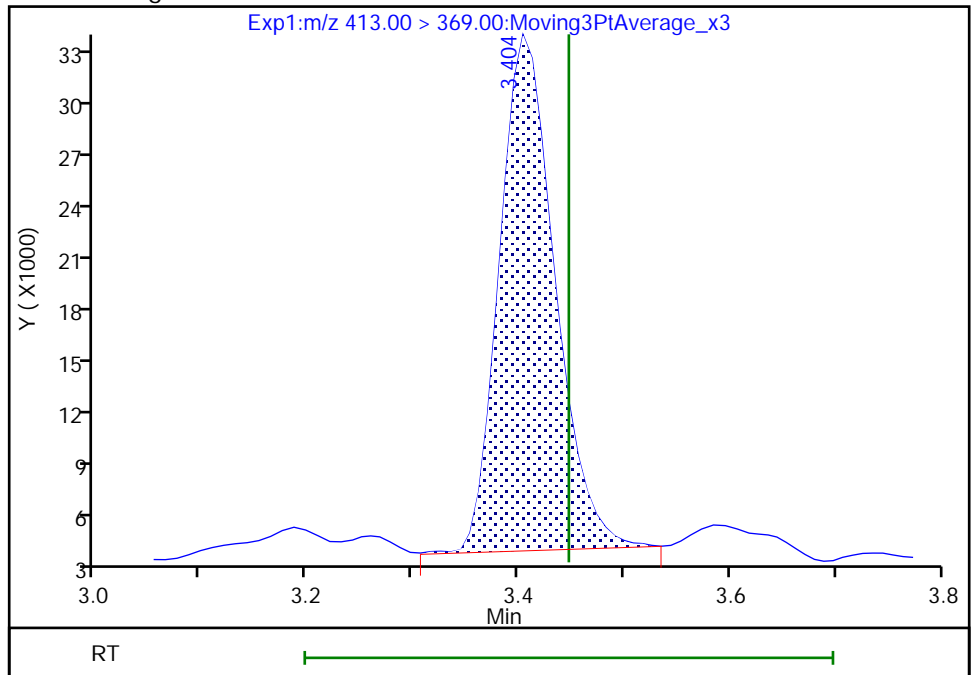
RT: 3.40
Area: 106331
Amount: 0.047626
Amount Units: ng/ml

Processing Integration Results



RT: 3.40
Area: 106774
Amount: 0.047824
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:43:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 521 of 939

Eurofins Burlington

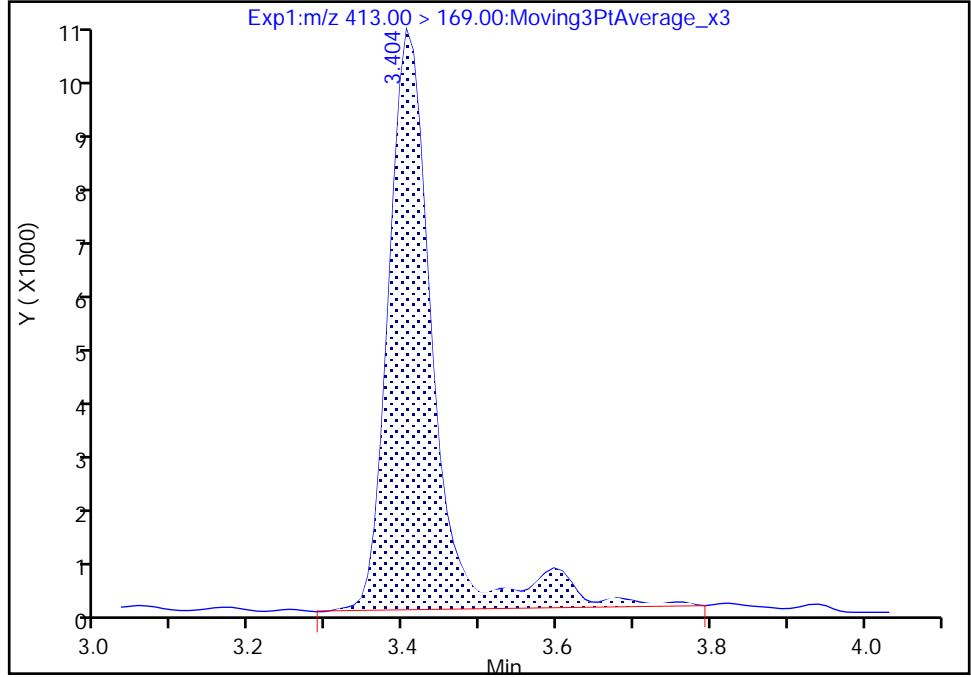
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

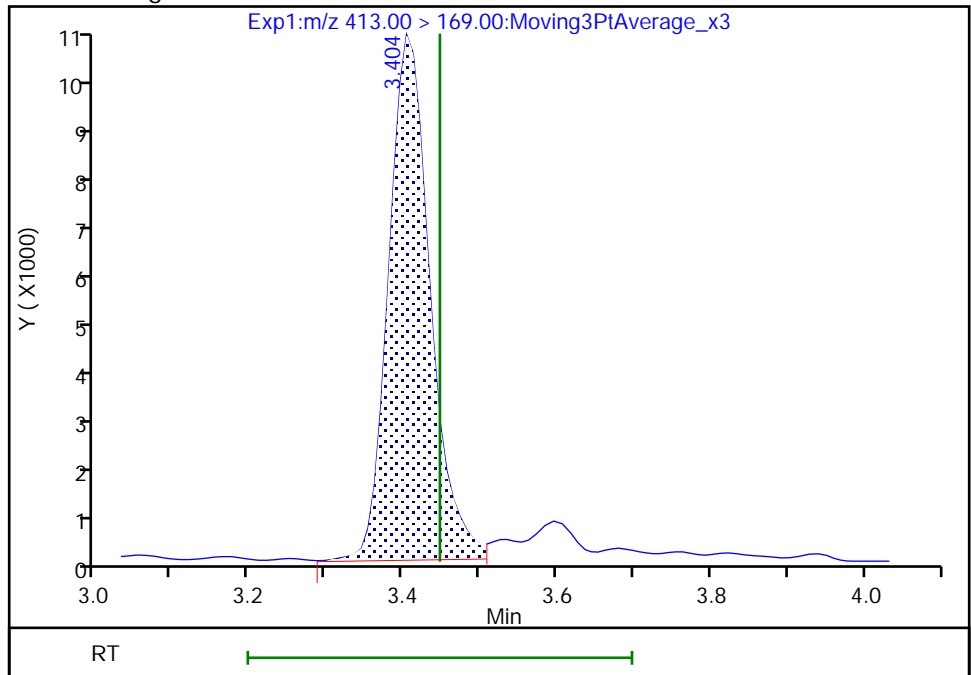
RT: 3.40
Area: 42467
Amount: 0.047626
Amount Units: ng/ml

Processing Integration Results



RT: 3.40
Area: 38383
Amount: 0.047824
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Dec-2022 10:43:53

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

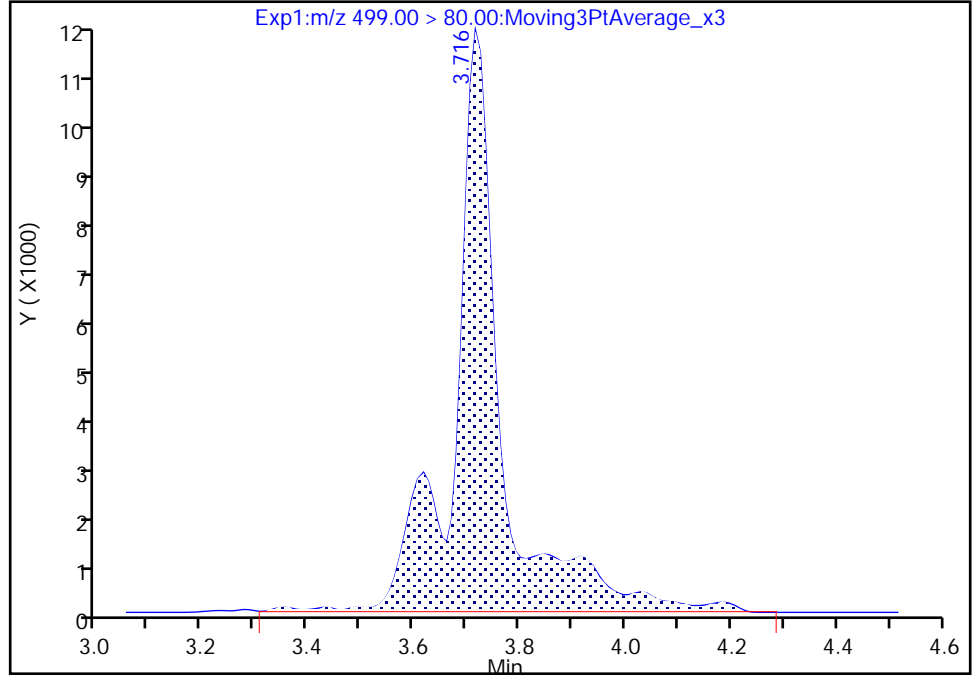
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

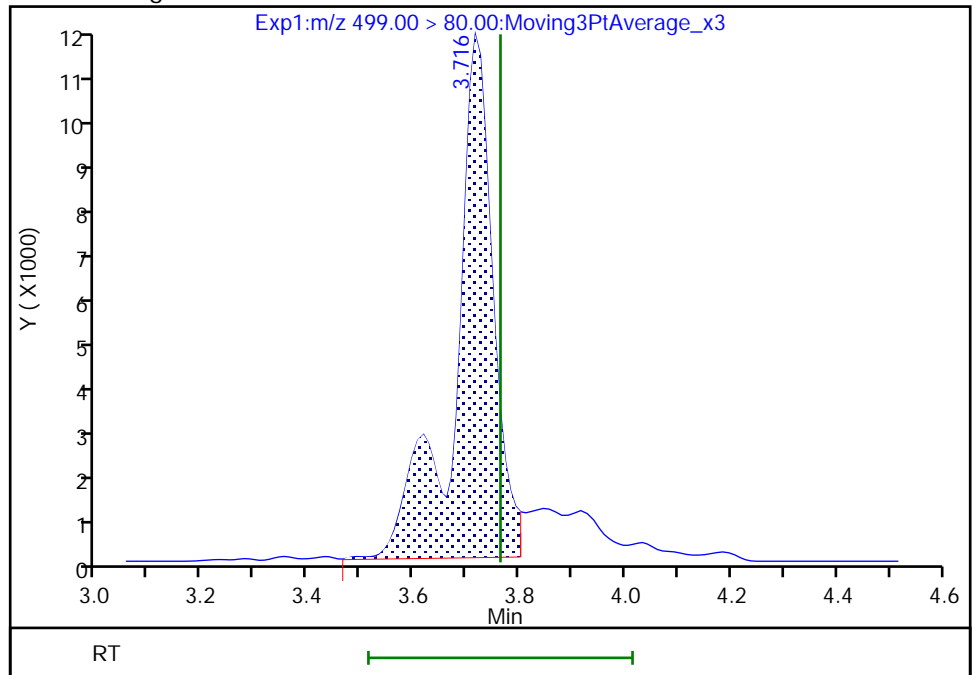
RT: 3.72
Area: 74592
Amount: 0.059861
Amount Units: ng/ml

Processing Integration Results



RT: 3.72
Area: 58941
Amount: 0.047301
Amount Units: ng/ml

Manual Integration Results



Reviewer: SJ4N, 05-Dec-2022 10:56:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

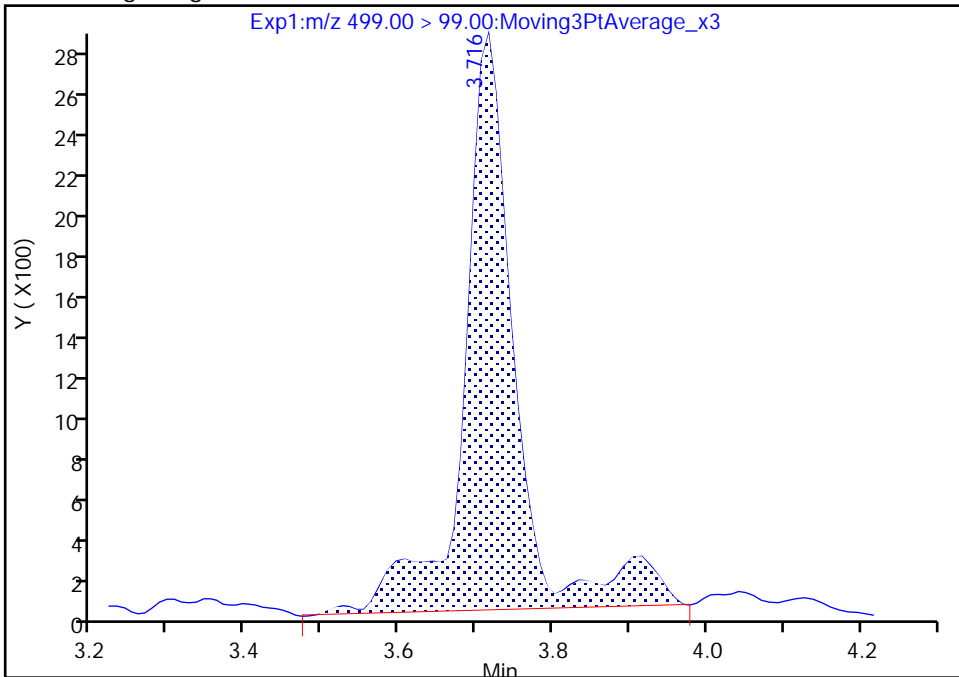
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

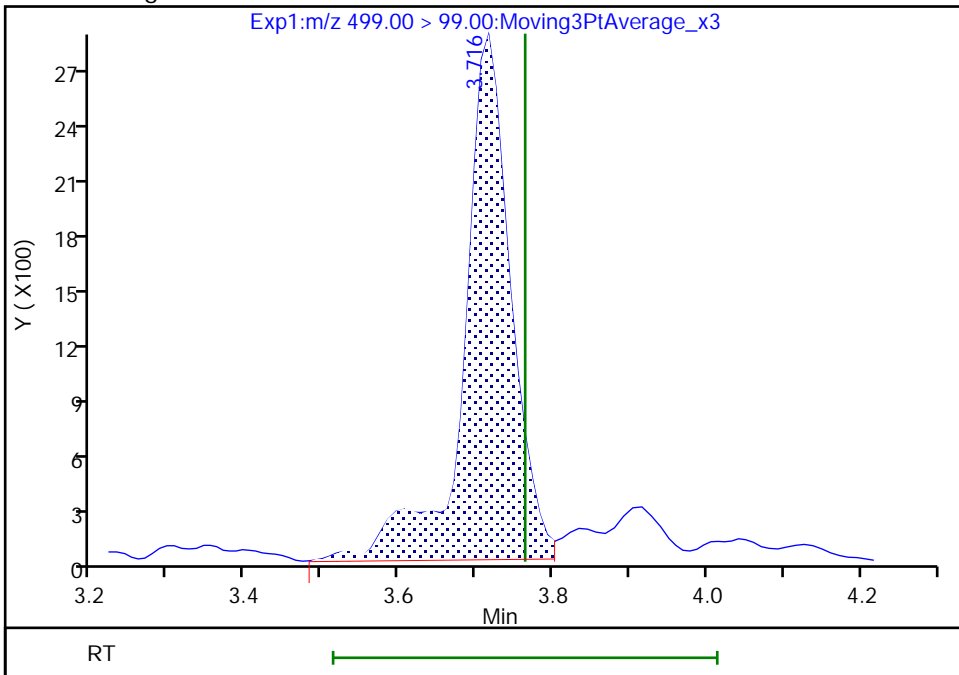
RT: 3.72
Area: 13060
Amount: 0.059861
Amount Units: ng/ml

Processing Integration Results



RT: 3.72
Area: 11948
Amount: 0.047301
Amount Units: ng/ml

Manual Integration Results



Reviewer: SJ4N, 05-Dec-2022 10:56:14

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 524 of 939

Eurofins Burlington

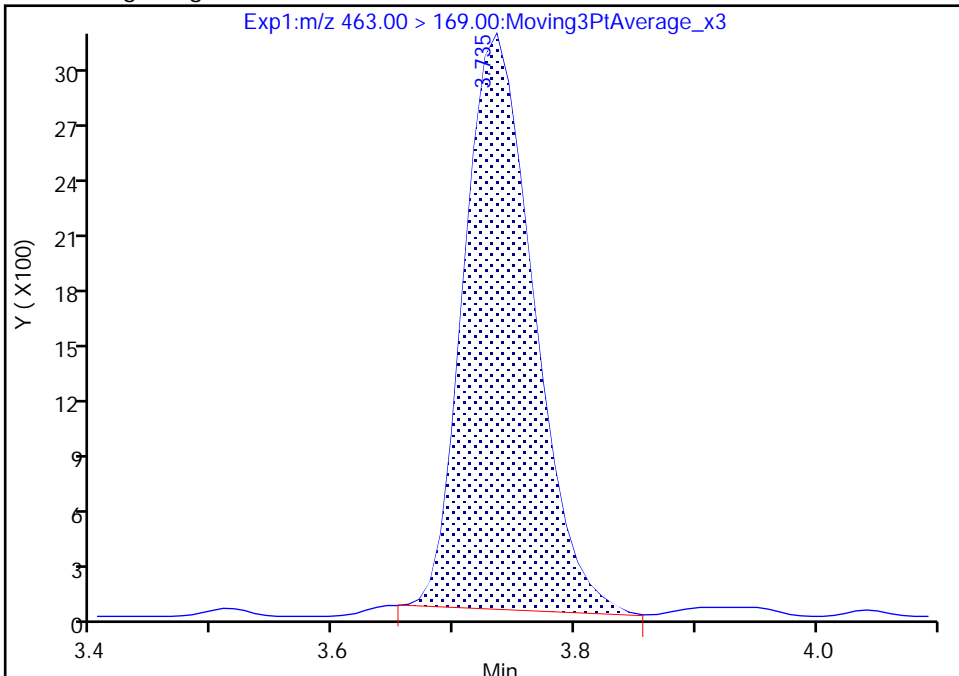
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

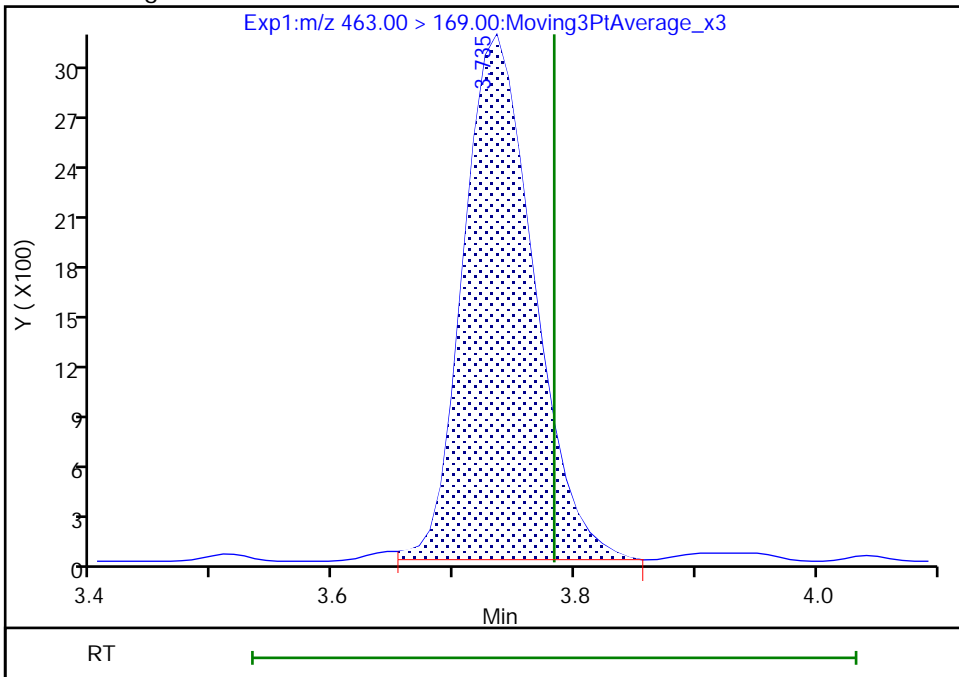
RT: 3.74
Area: 12342
Amount: 0.045366
Amount Units: ng/ml

Processing Integration Results



RT: 3.74
Area: 12664
Amount: 0.045693
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:45:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 525 of 939

Eurofins Burlington

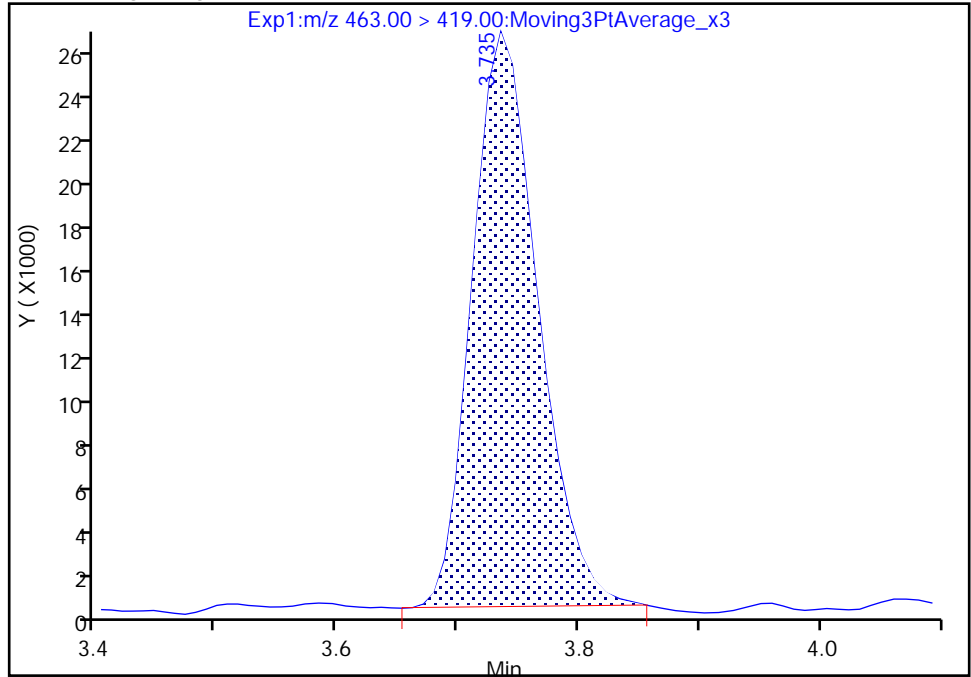
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

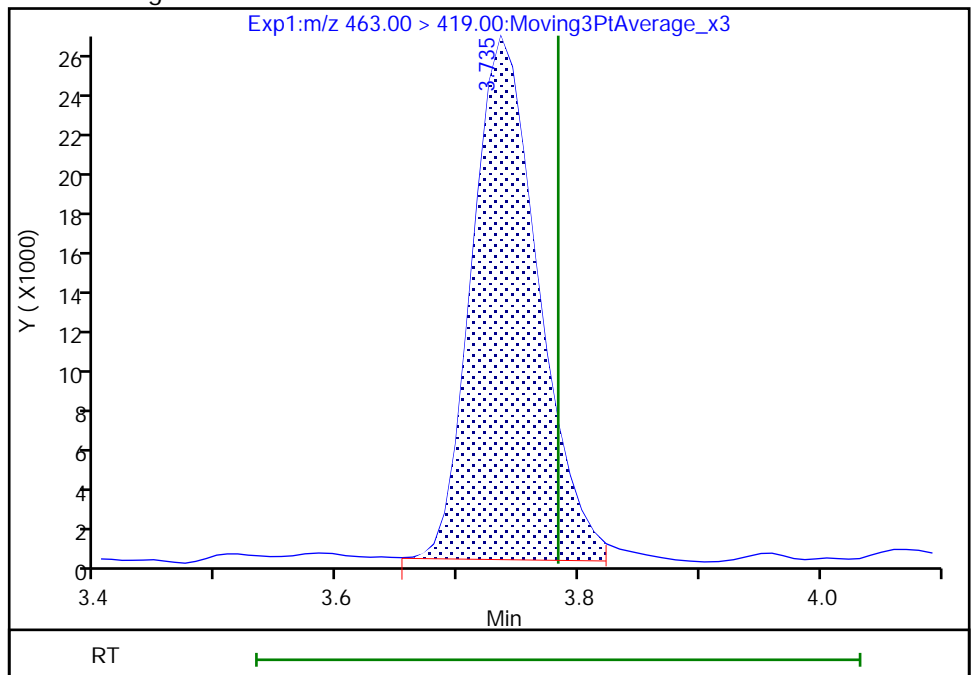
RT: 3.74
Area: 95459
Amount: 0.045366
Amount Units: ng/ml

Processing Integration Results



RT: 3.74
Area: 96146
Amount: 0.045693
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Dec-2022 10:45:25

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

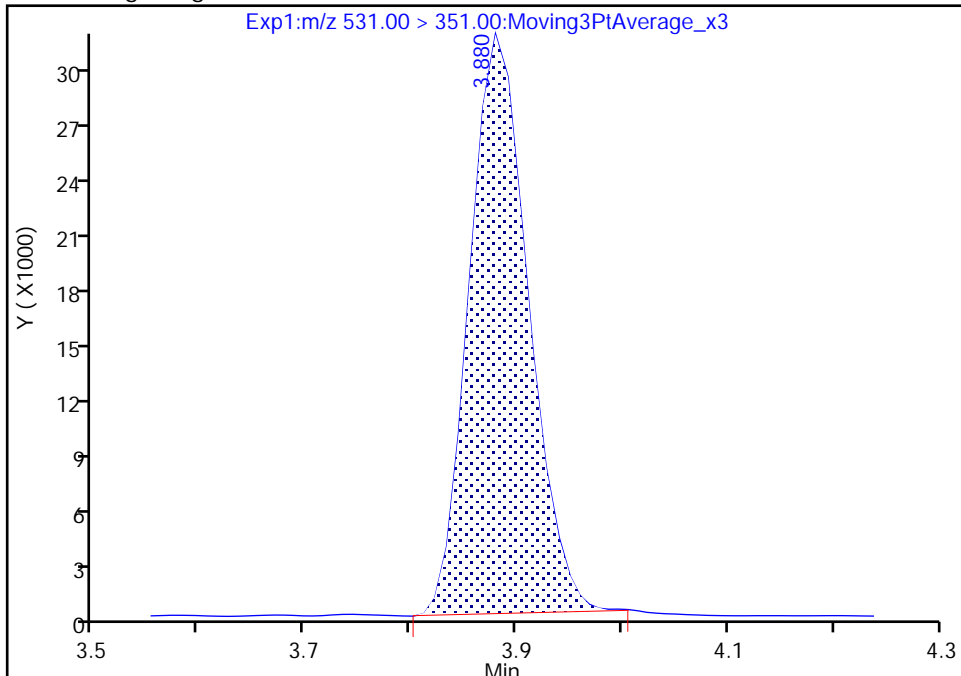
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

69 9-Chlorohexadecafluoro-3-oxanona, CAS: 756426-58-1

Signal: 1

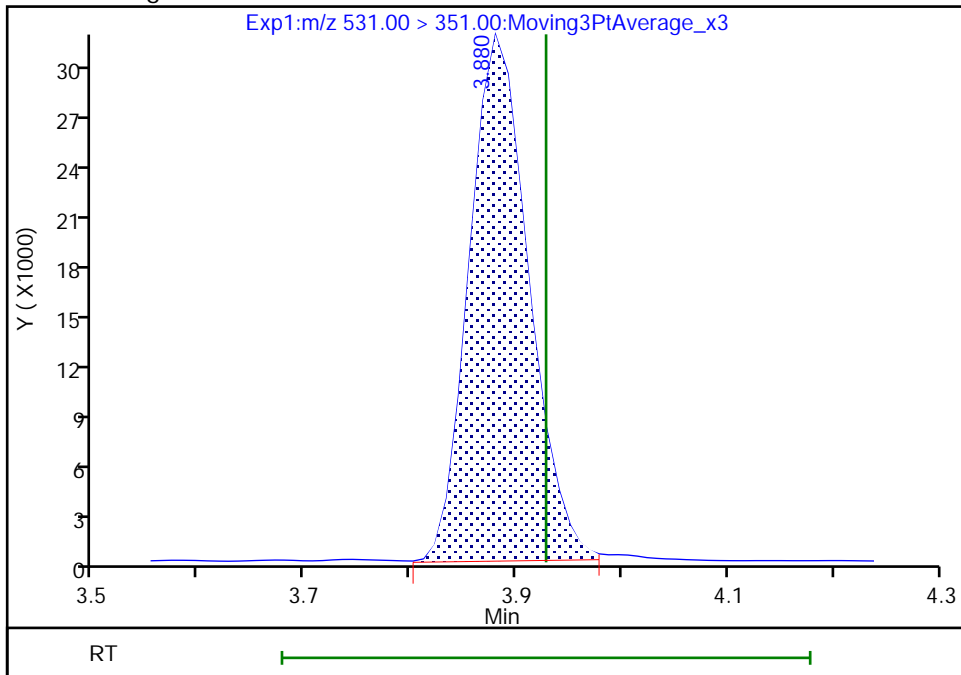
RT: 3.88
Area: 121313
Amount: 0.042419
Amount Units: ng/ml

Processing Integration Results



RT: 3.88
Area: 122777
Amount: 0.042931
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:45:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

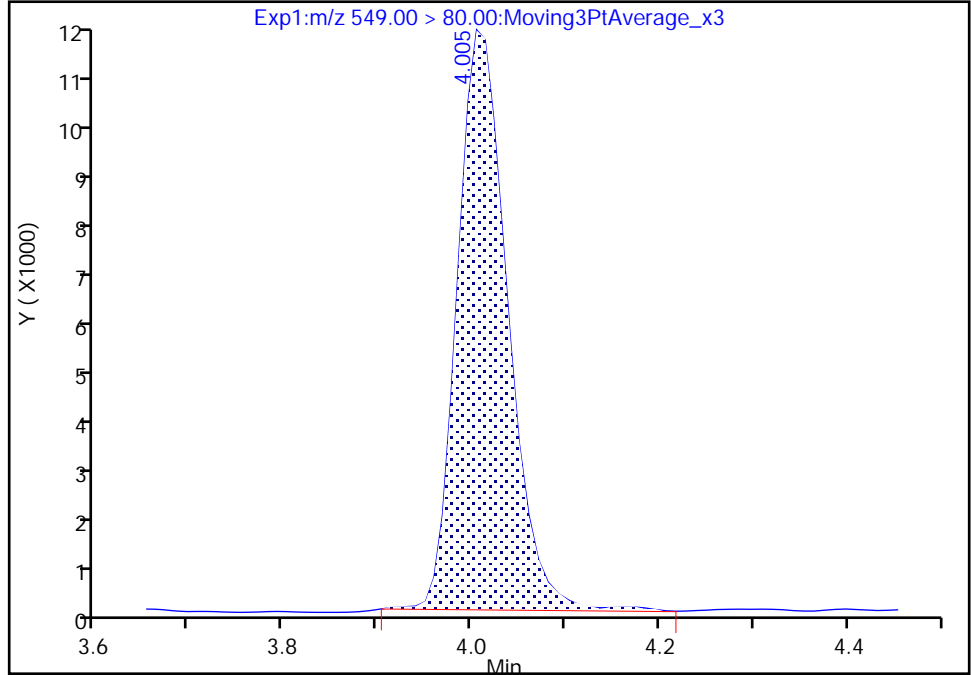
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 1

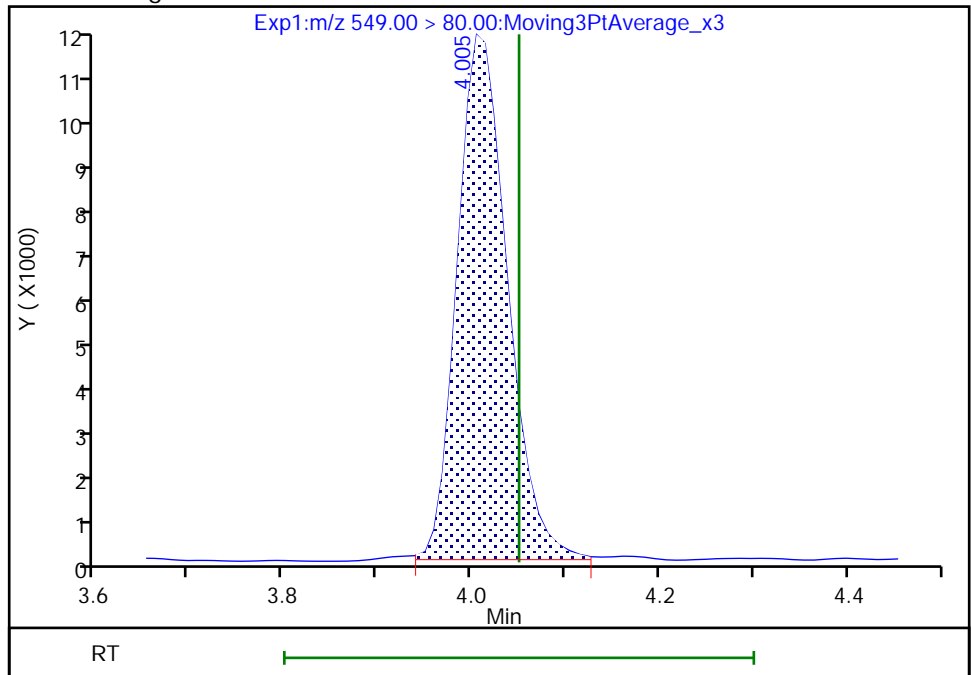
RT: 4.01
Area: 44425
Amount: 0.047235
Amount Units: ng/ml

Processing Integration Results



RT: 4.01
Area: 44497
Amount: 0.047312
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:46:03
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

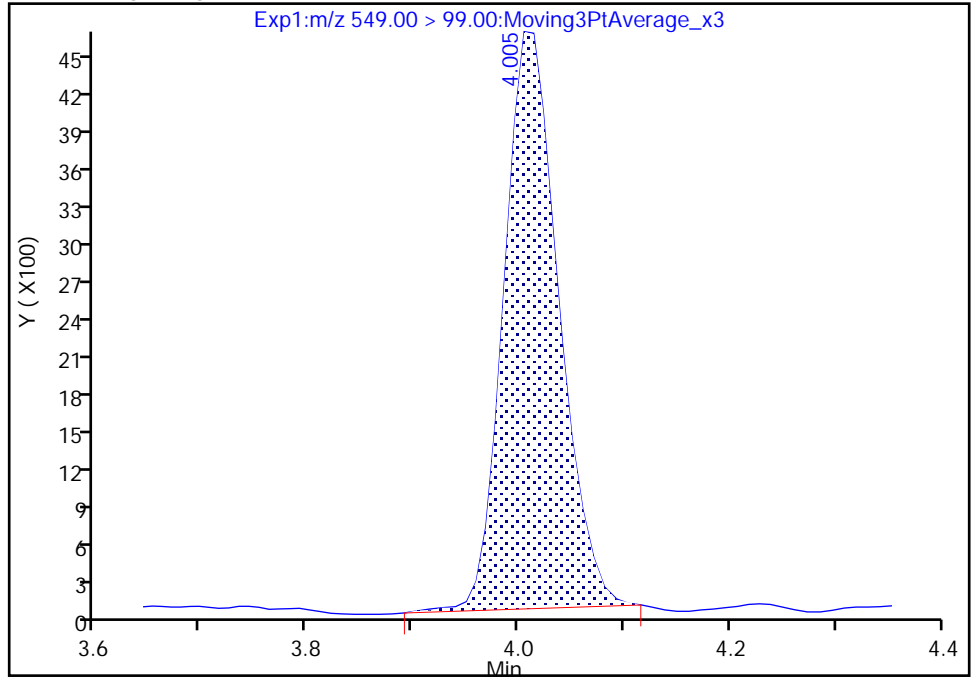
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 2

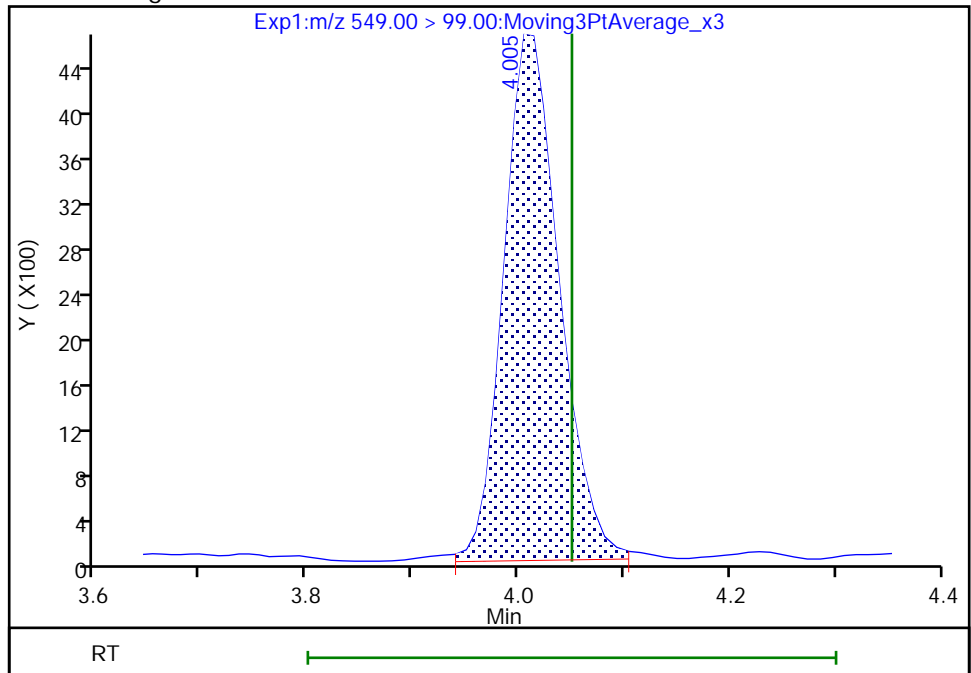
RT: 4.01
Area: 16650
Amount: 0.047235
Amount Units: ng/ml

Processing Integration Results



RT: 4.01
Area: 16932
Amount: 0.047312
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Dec-2022 10:46:07

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 529 of 939

Eurofins Burlington

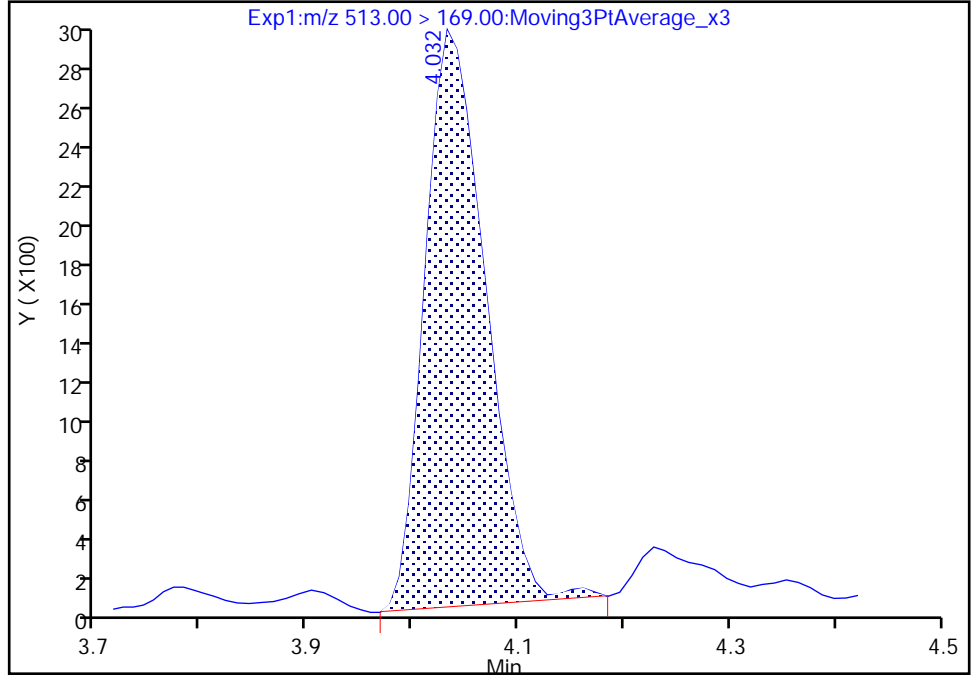
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

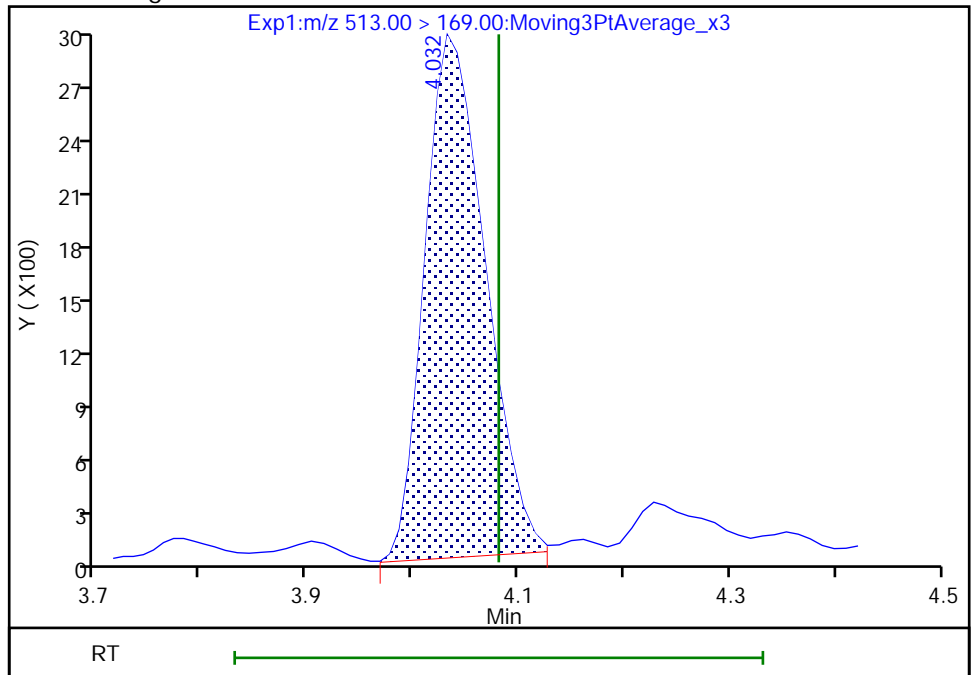
RT: 4.03
Area: 11704
Amount: 0.048718
Amount Units: ng/ml

Processing Integration Results



RT: 4.03
Area: 11592
Amount: 0.048718
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:46:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 530 of 939

Eurofins Burlington

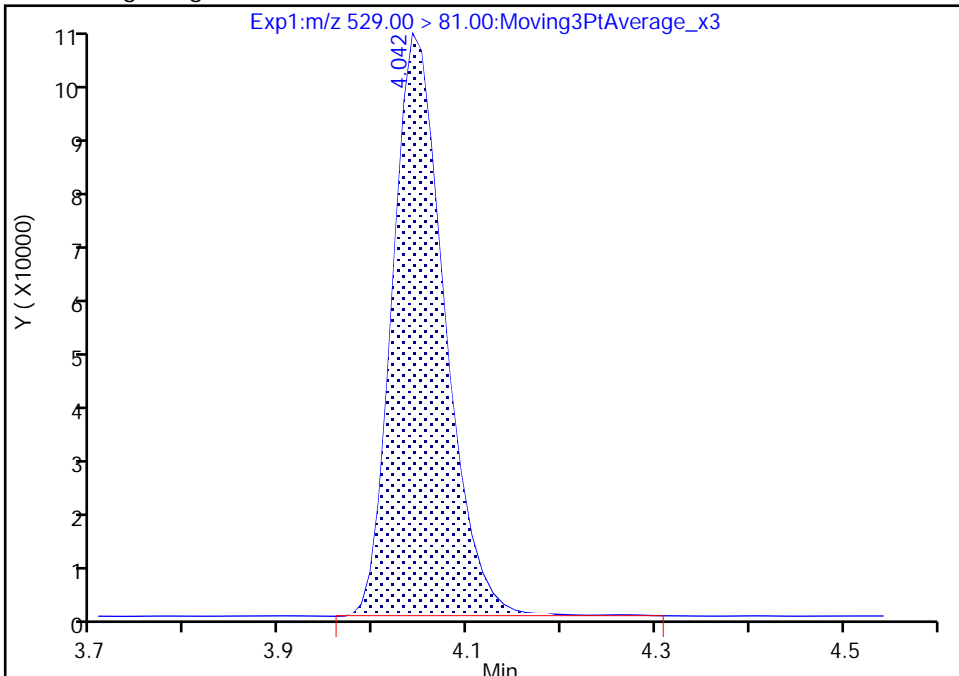
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 26 M2-8:2 FTS, CAS: STL02280

Signal: 1

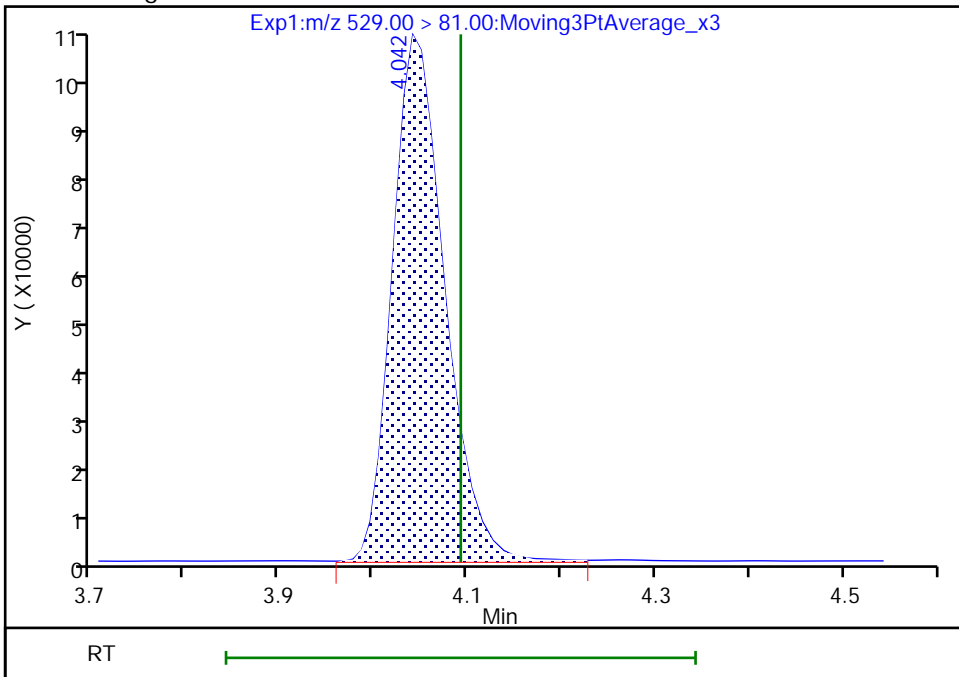
RT: 4.04
Area: 399199
Amount: 1.410956
Amount Units: ng/ml

Processing Integration Results



RT: 4.04
Area: 399133
Amount: 1.410723
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:40:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 531 of 939

Eurofins Burlington

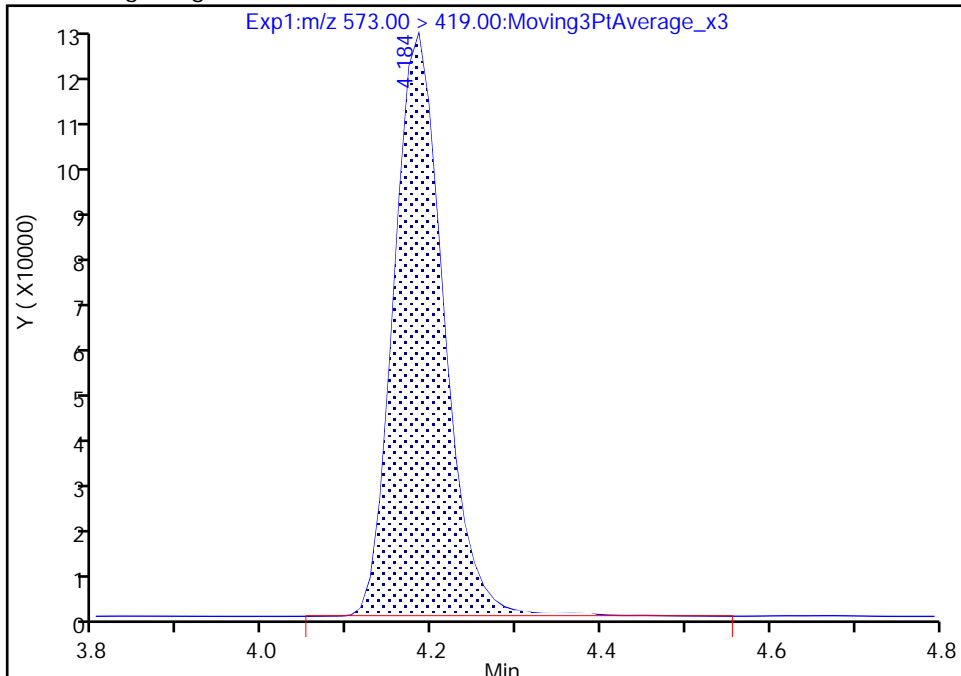
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

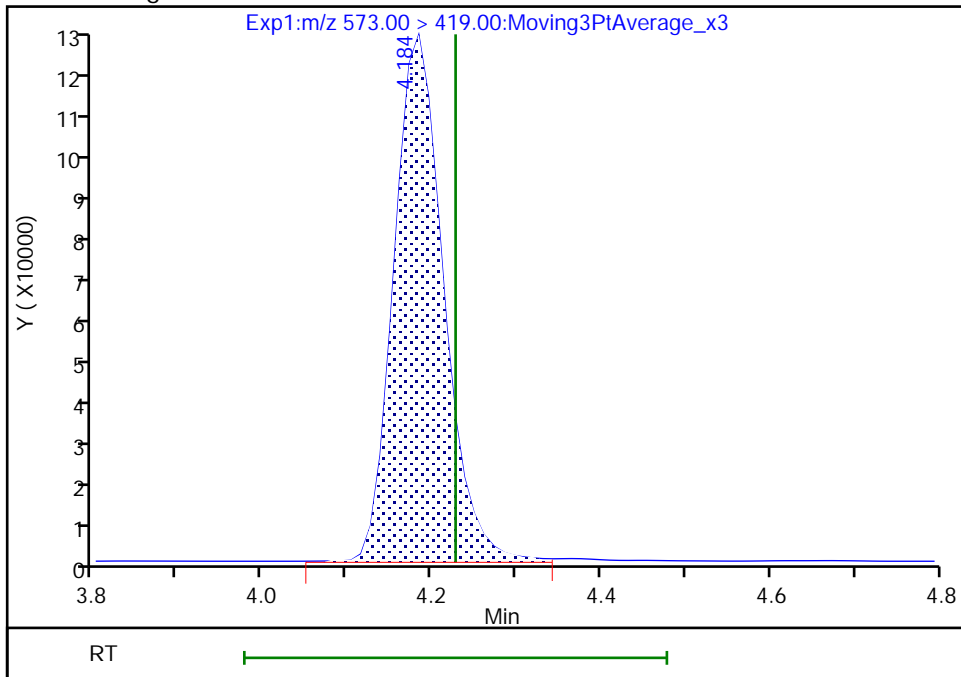
RT: 4.18
Area: 527660
Amount: 1.239347
Amount Units: ng/ml

Processing Integration Results



RT: 4.18
Area: 524606
Amount: 1.232174
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:41:04
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 532 of 939

Eurofins Burlington

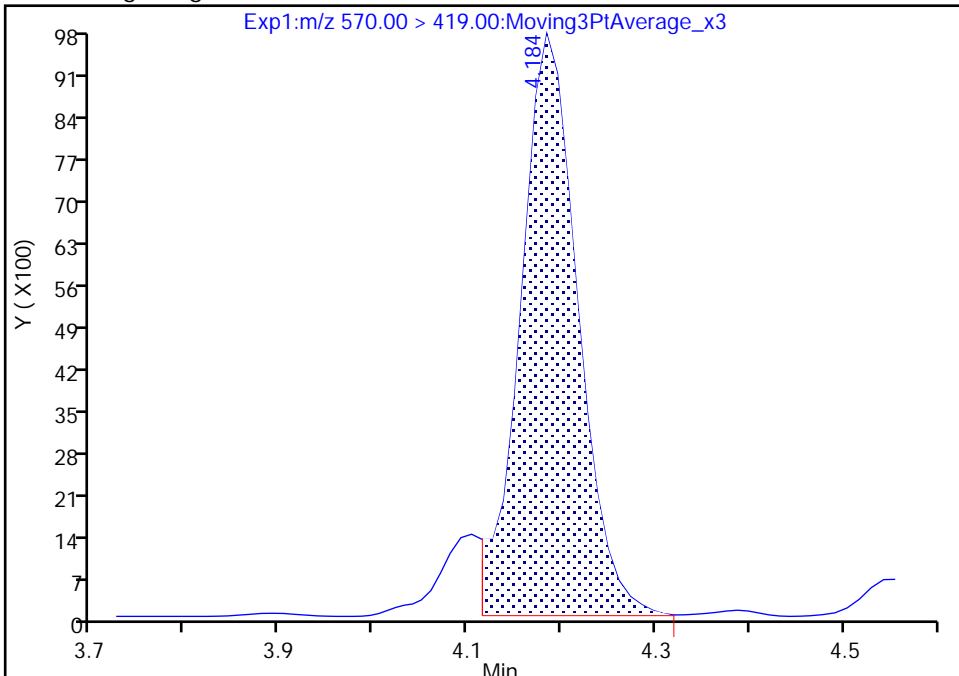
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

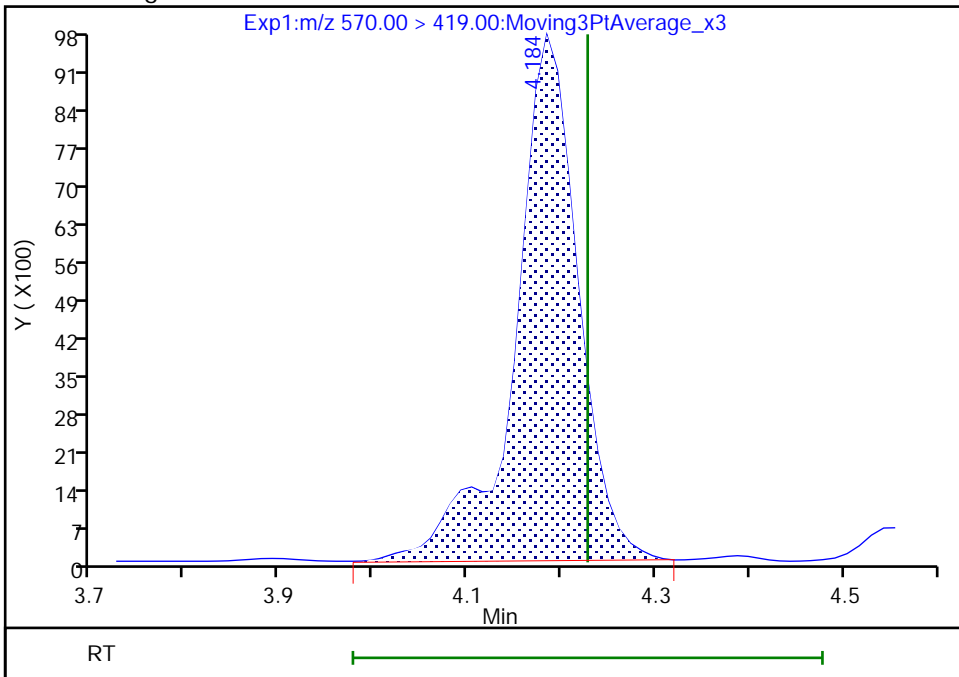
RT: 4.18
Area: 41496
Amount: 0.103310
Amount Units: ng/ml

Processing Integration Results



RT: 4.18
Area: 45479
Amount: 0.114343
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:46:29
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 533 of 939

Eurofins Burlington

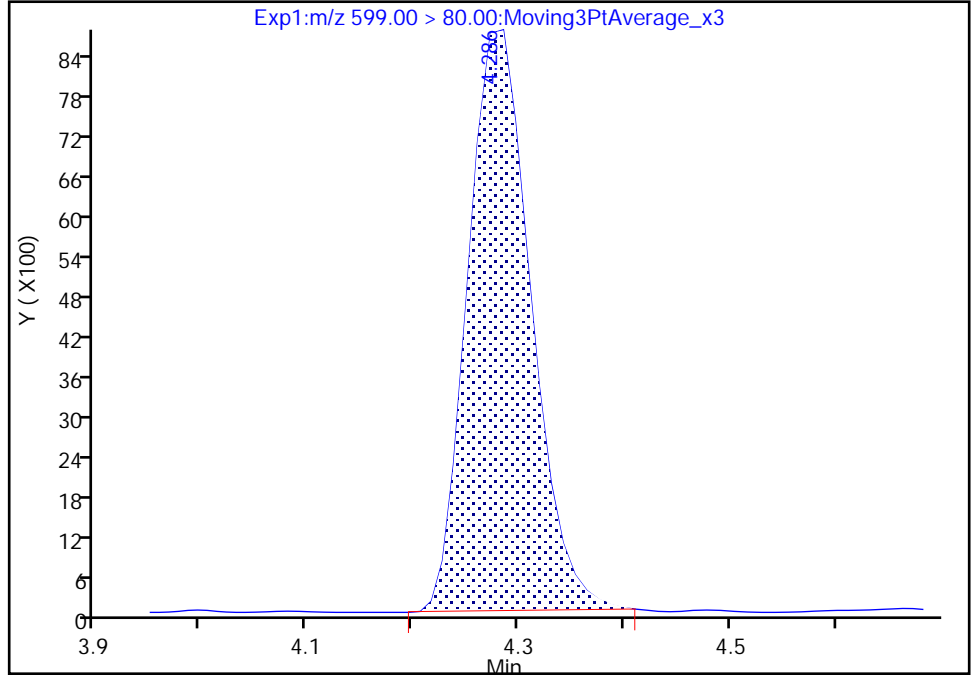
Data File:	\\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d		
Injection Date:	02-Dec-2022 12:41:25	Instrument ID:	LC812
Lims ID:	CCVLIS		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	5

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

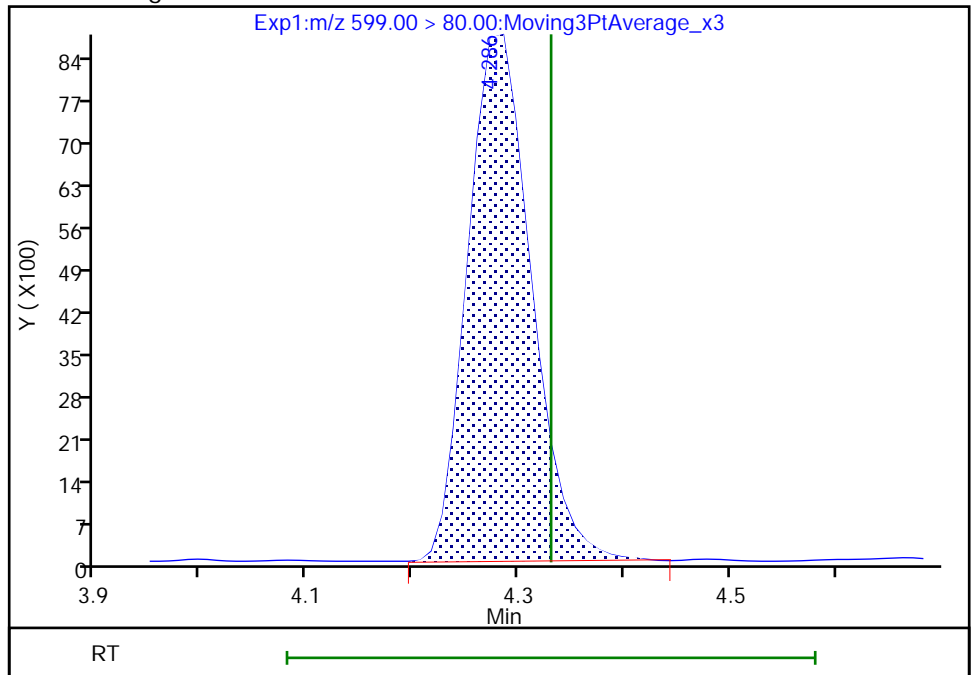
RT: 4.29
 Area: 36369
 Amount: 0.048974
 Amount Units: ng/ml

Processing Integration Results



RT: 4.29
 Area: 36668
 Amount: 0.049377
 Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:46:37
 Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

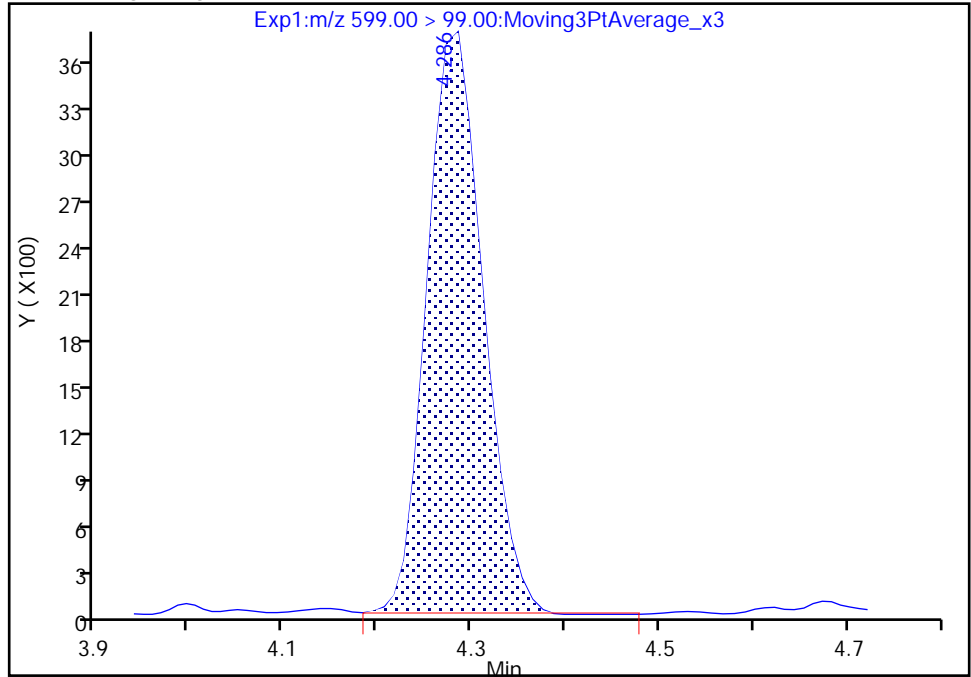
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

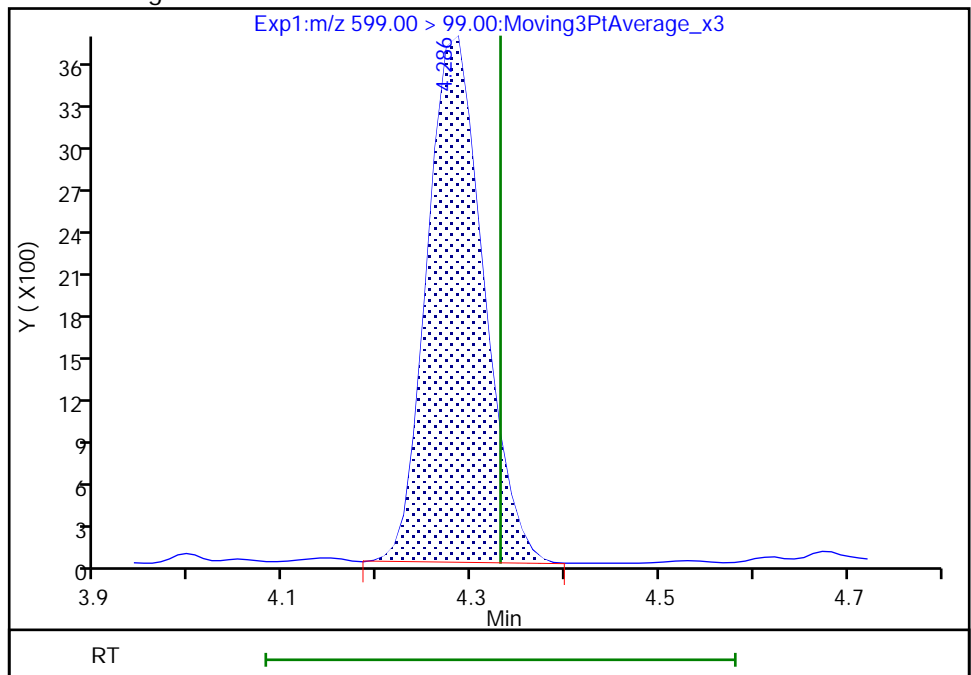
RT: 4.29
Area: 15672
Amount: 0.048974
Amount Units: ng/ml

Processing Integration Results



RT: 4.29
Area: 15608
Amount: 0.049377
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Dec-2022 10:46:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

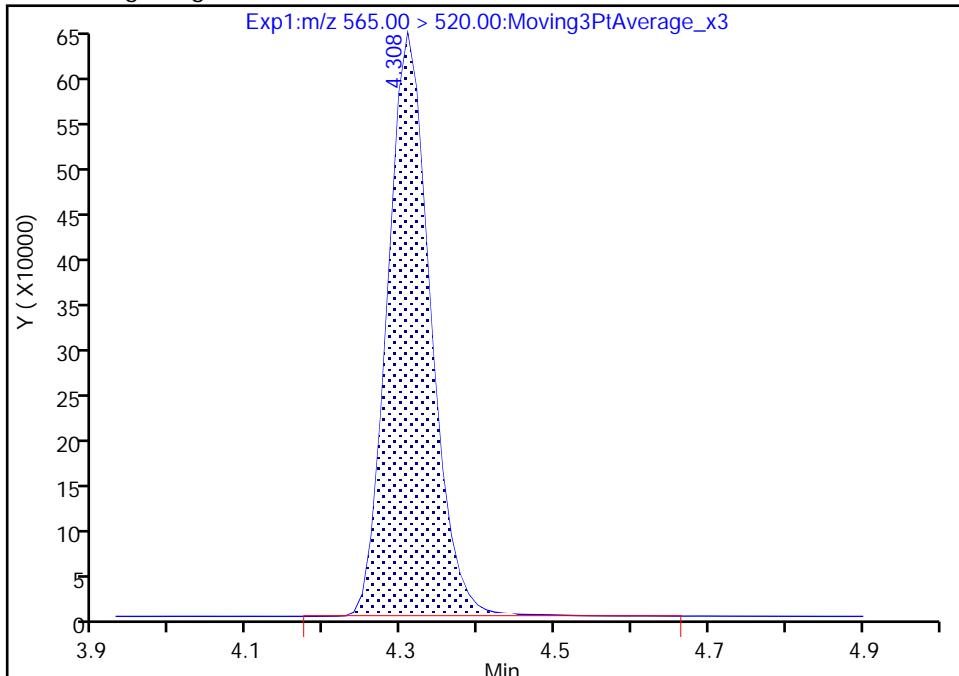
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

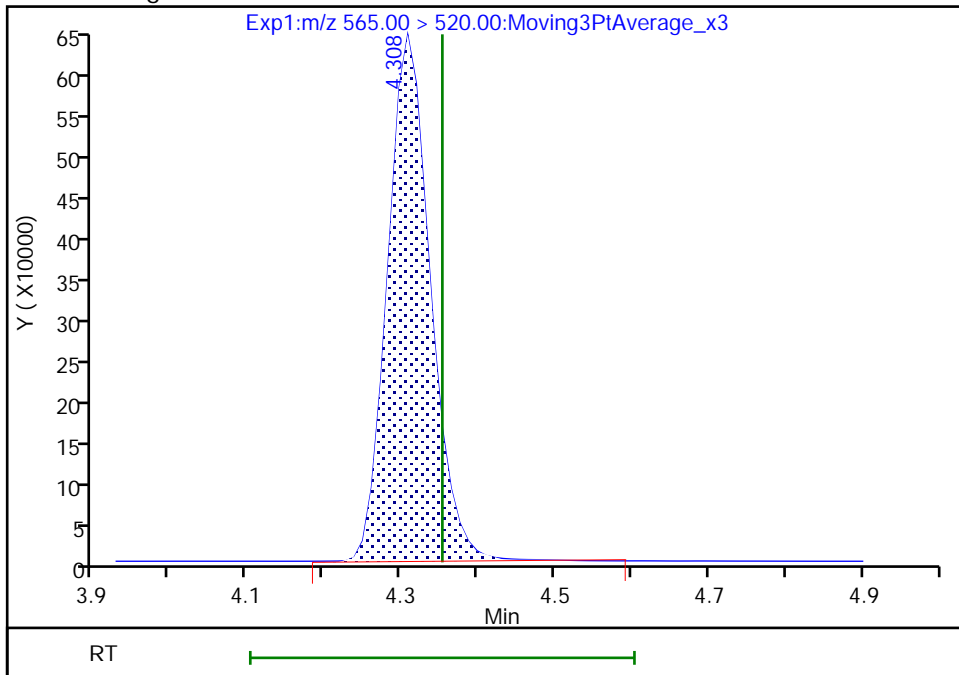
RT: 4.31
Area: 2507998
Amount: 1.309821
Amount Units: ng/ml

Processing Integration Results



RT: 4.31
Area: 2504359
Amount: 1.307920
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:41:14
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

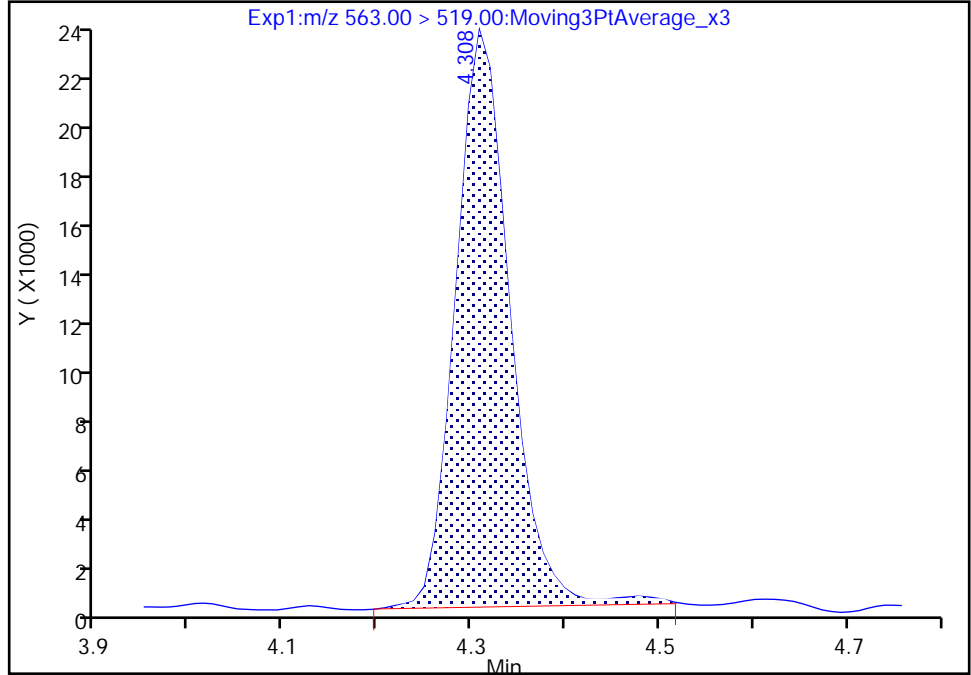
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

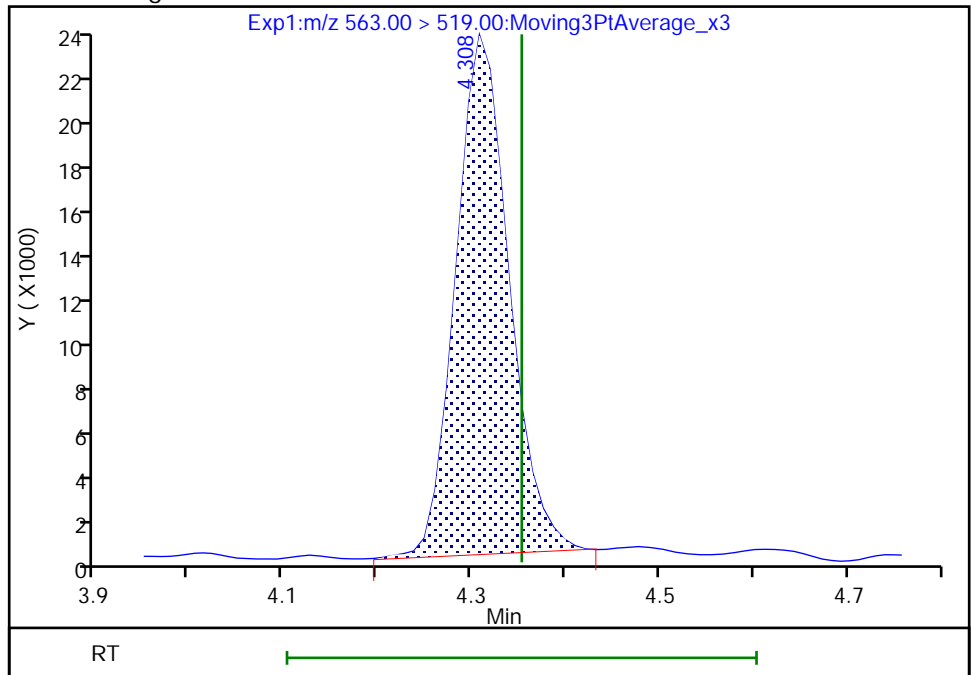
RT: 4.31
Area: 93897
Amount: 0.046504
Amount Units: ng/ml

Processing Integration Results



RT: 4.31
Area: 91513
Amount: 0.045323
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:46:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

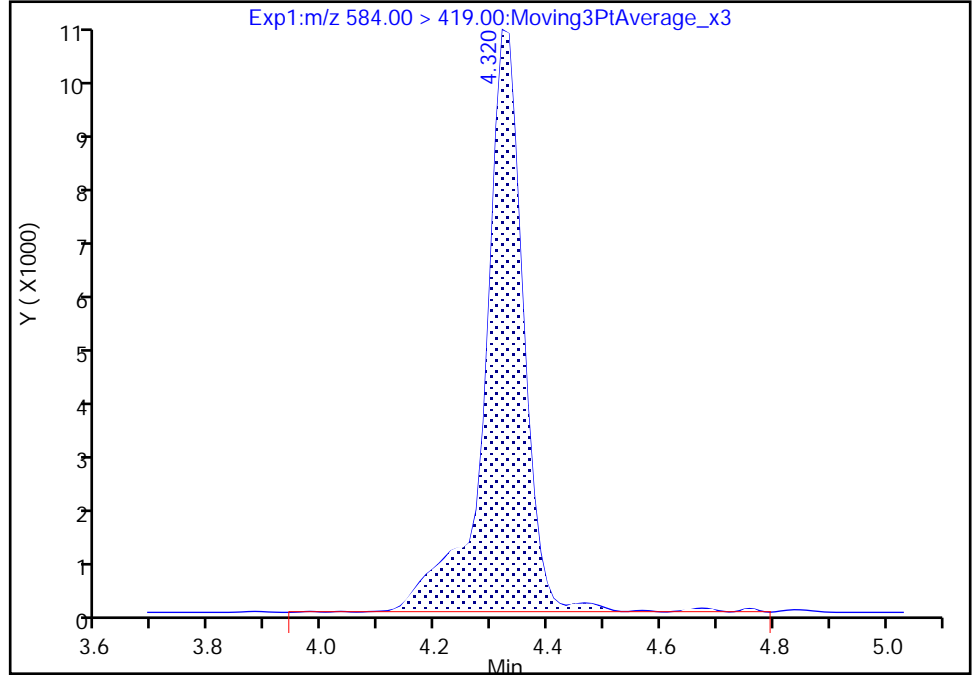
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

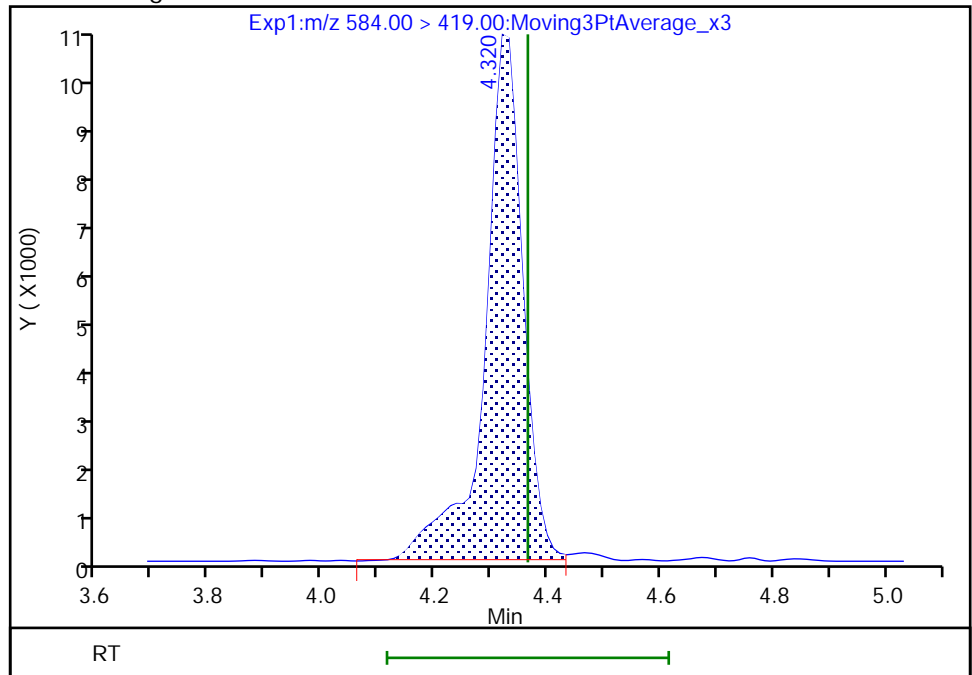
RT: 4.32
Area: 49642
Amount: 0.128952
Amount Units: ng/ml

Processing Integration Results



RT: 4.32
Area: 48216
Amount: 0.125248
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:47:03
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

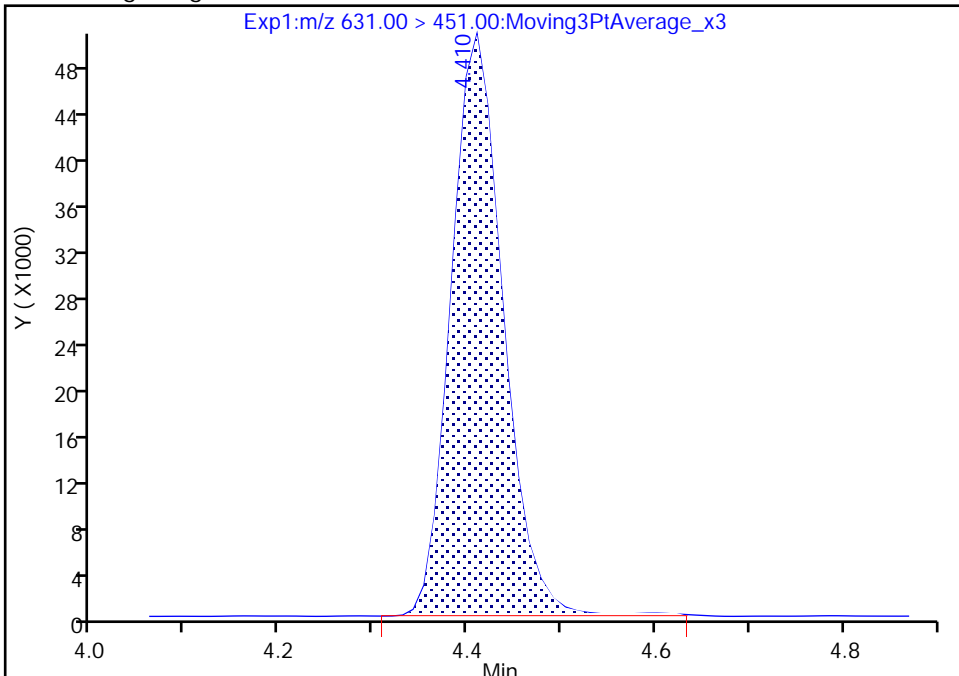
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

66 11-Chloroeicosafuoro-3-oxaundec, CAS: 763051-92-9

Signal: 1

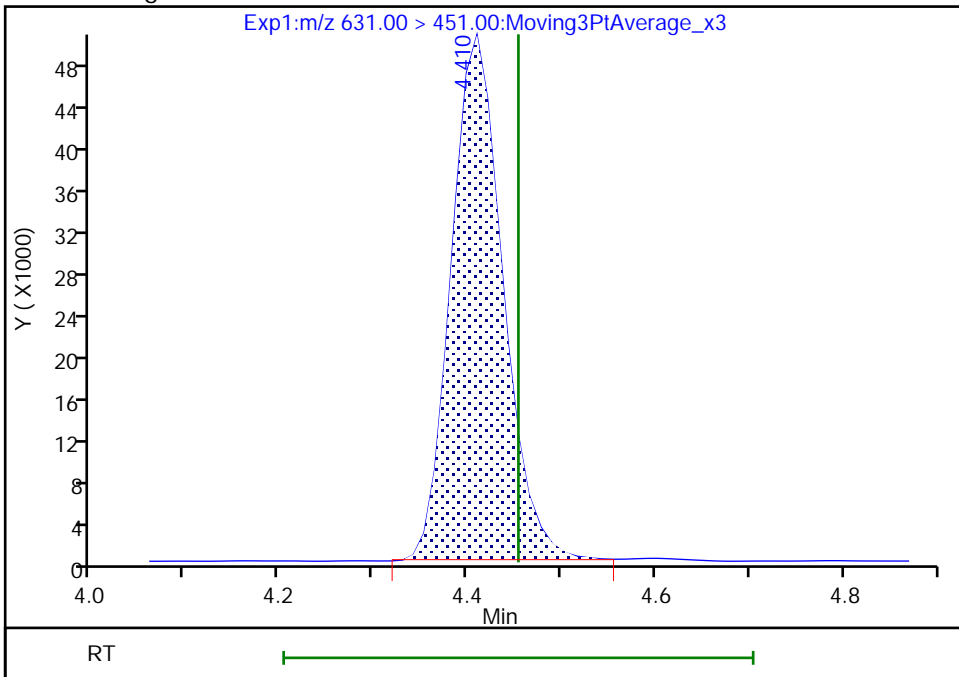
RT: 4.41
Area: 192124
Amount: 0.043580
Amount Units: ng/ml

Processing Integration Results



RT: 4.41
Area: 191218
Amount: 0.043374
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:47:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

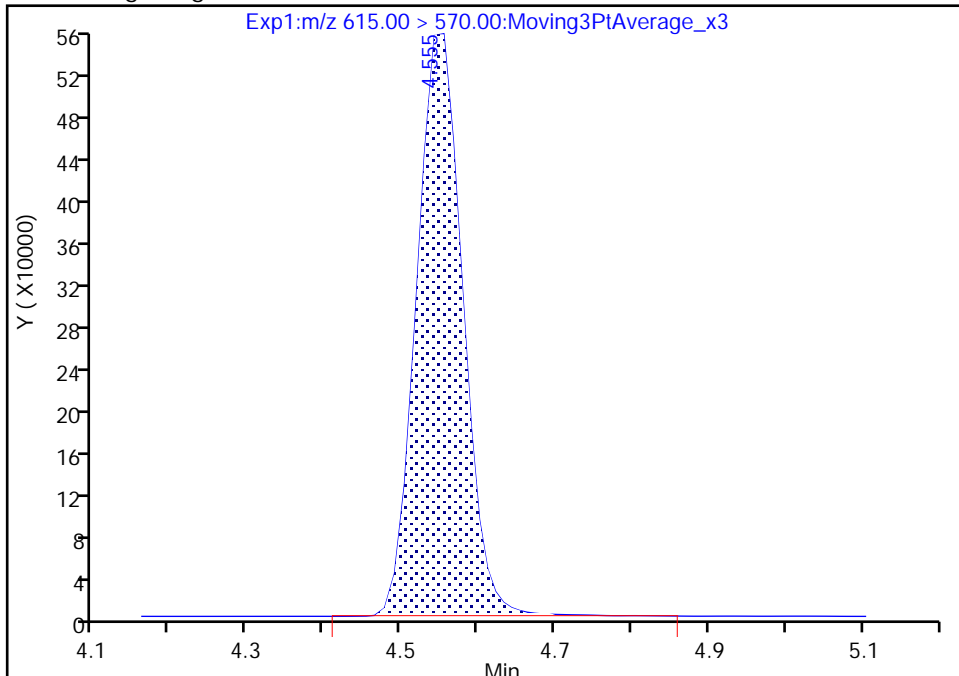
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 36 13C2 PFD_oA, CAS: STL00998

Signal: 1

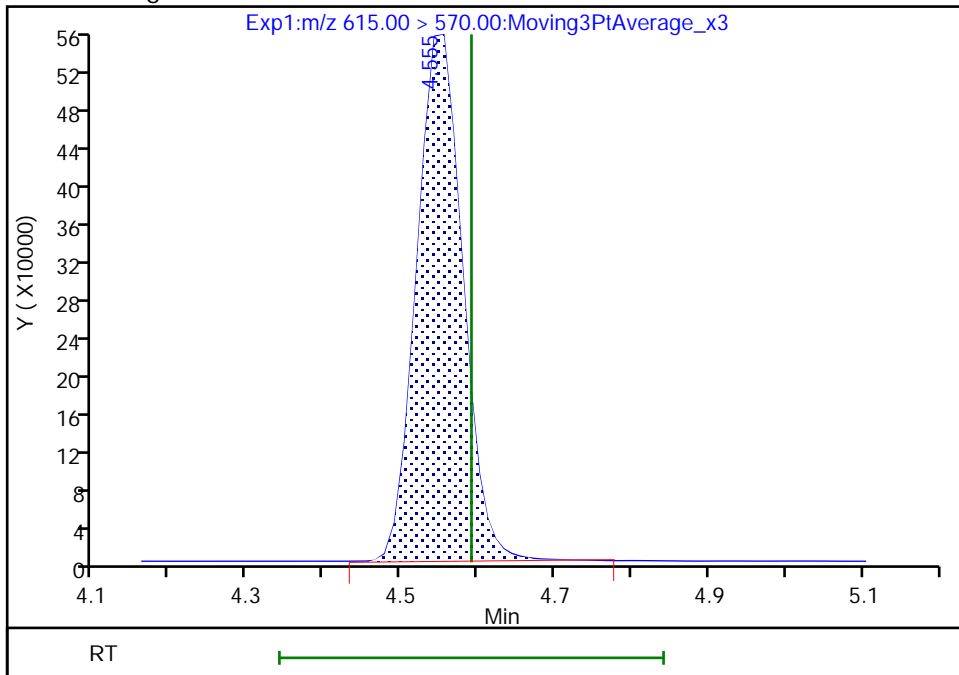
RT: 4.56
Area: 2317896
Amount: 1.188170
Amount Units: ng/ml

Processing Integration Results



RT: 4.56
Area: 2312039
Amount: 1.185168
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:41:21
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 540 of 939

Eurofins Burlington

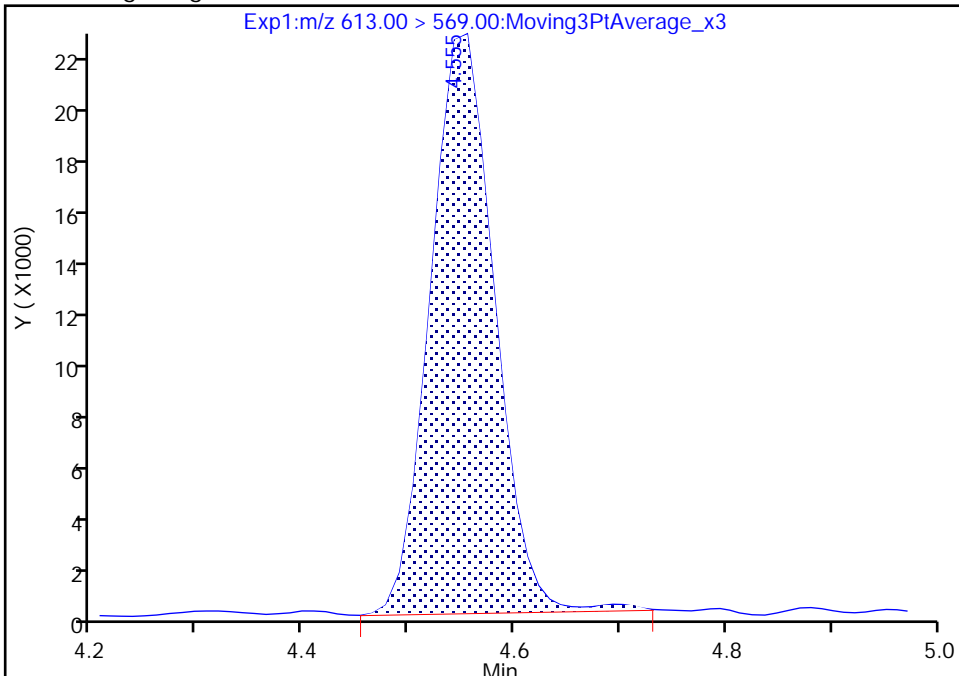
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

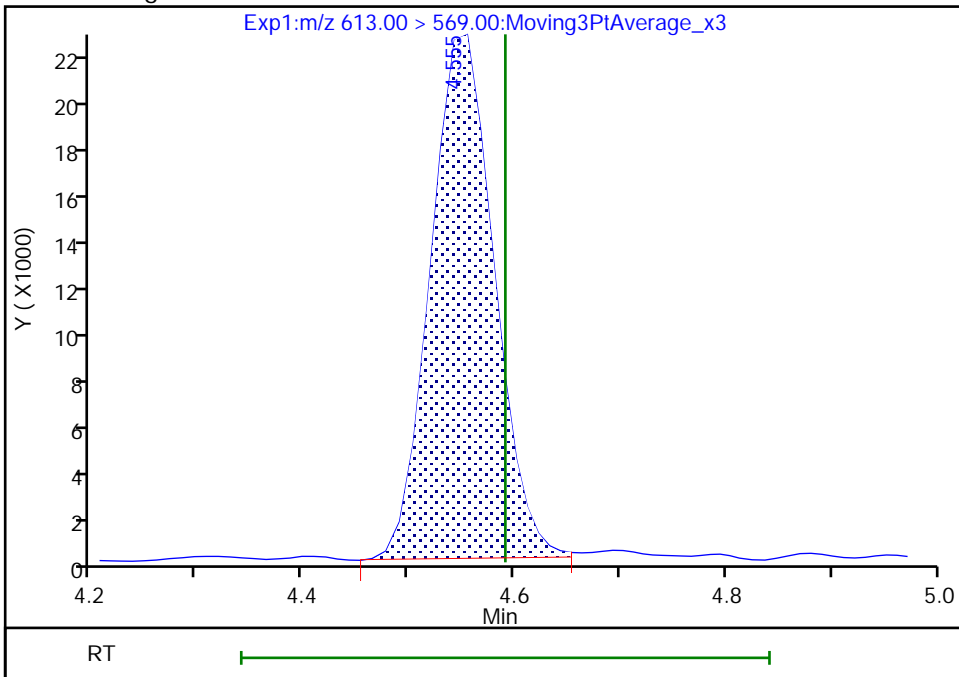
RT: 4.56
Area: 93451
Amount: 0.047689
Amount Units: ng/ml

Processing Integration Results



RT: 4.56
Area: 92735
Amount: 0.047323
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:47:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 541 of 939

Eurofins Burlington

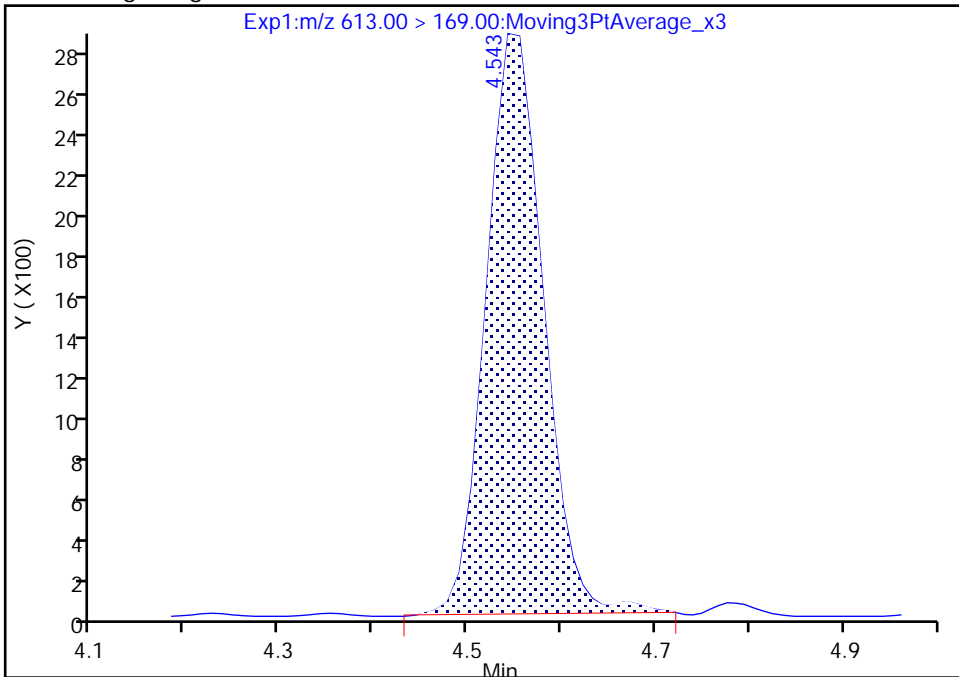
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

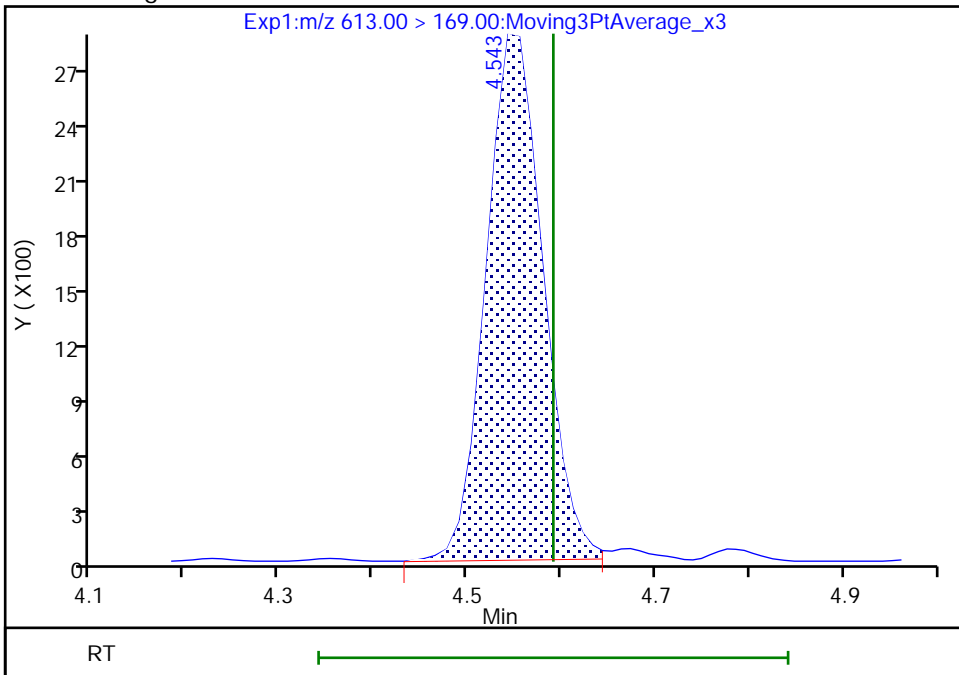
RT: 4.54
Area: 12257
Amount: 0.047689
Amount Units: ng/ml

Processing Integration Results



RT: 4.54
Area: 12155
Amount: 0.047323
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Dec-2022 10:47:24

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 542 of 939

Eurofins Burlington

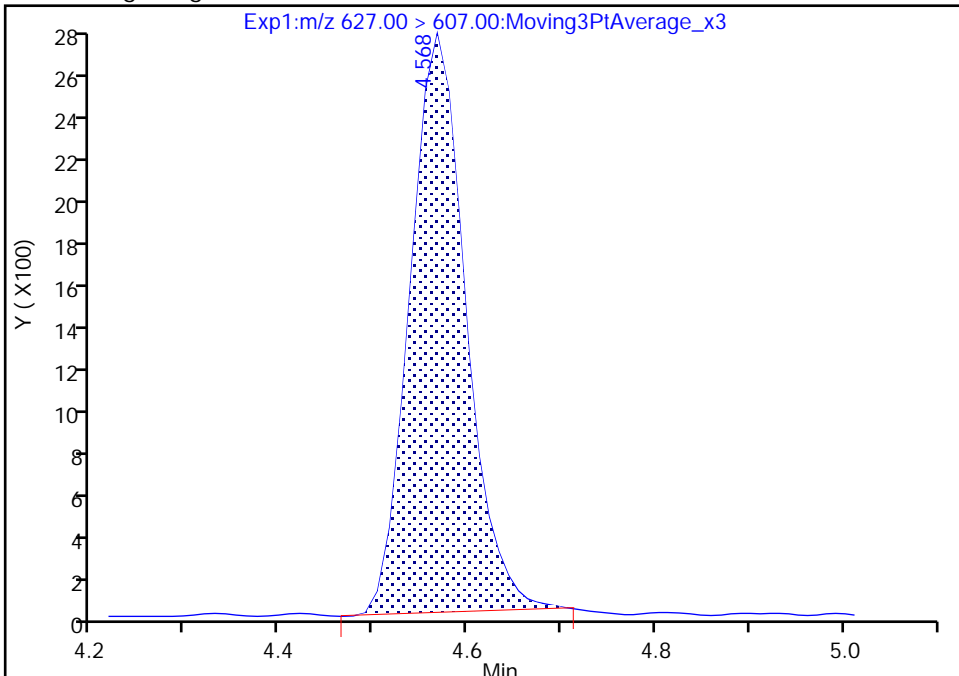
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

74 1H,1H,2H,2H-perfluorododecanesul, CAS: 120226-60-0

Signal: 1

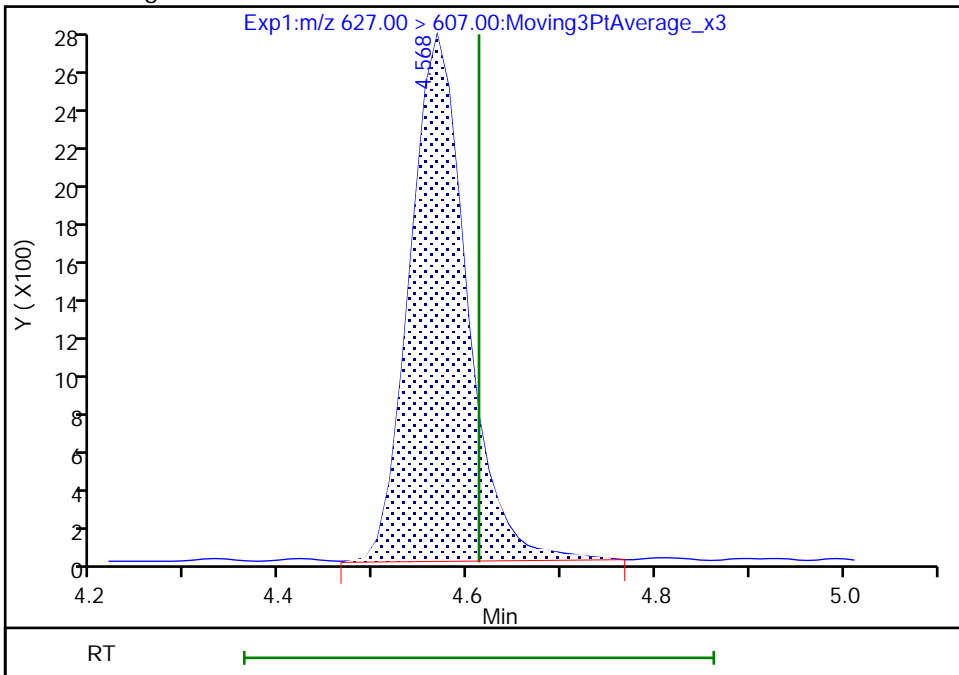
RT: 4.57
Area: 11246
Amount: 0.034724
Amount Units: ng/ml

Processing Integration Results



RT: 4.57
Area: 11508
Amount: 0.035533
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:47:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 543 of 939

Eurofins Burlington

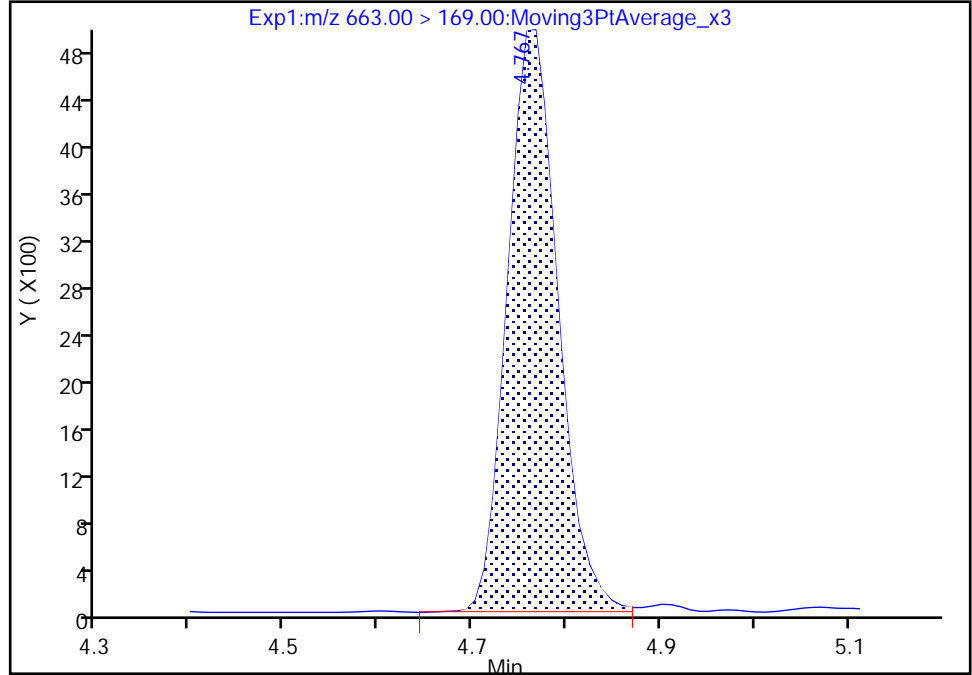
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

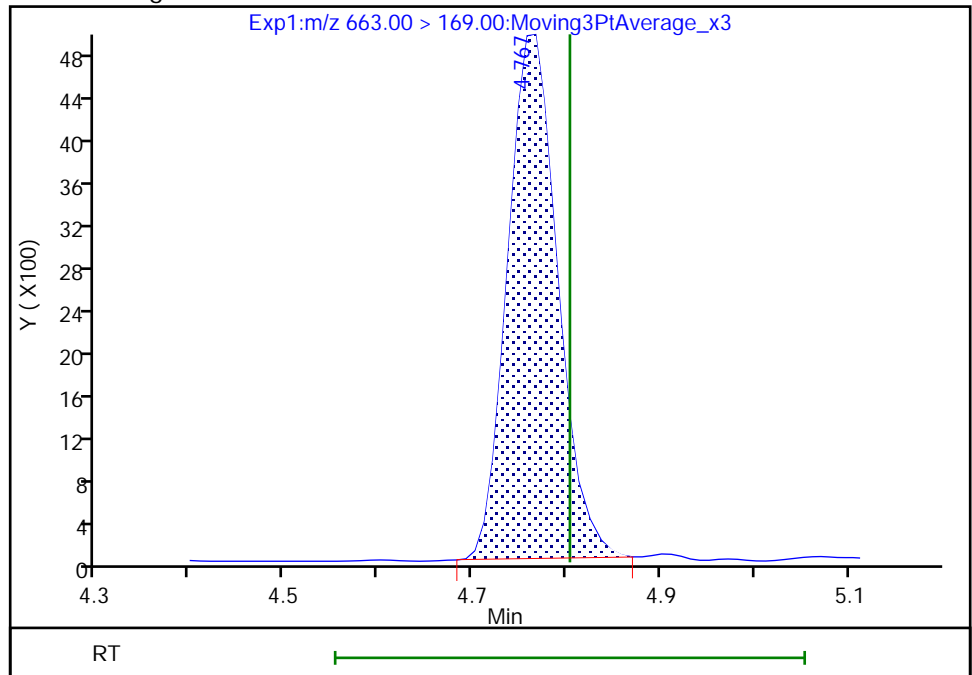
RT: 4.77
Area: 18329
Amount: 0.052833
Amount Units: ng/ml

Processing Integration Results



RT: 4.77
Area: 18127
Amount: 0.051776
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:47:44
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 544 of 939

Eurofins Burlington

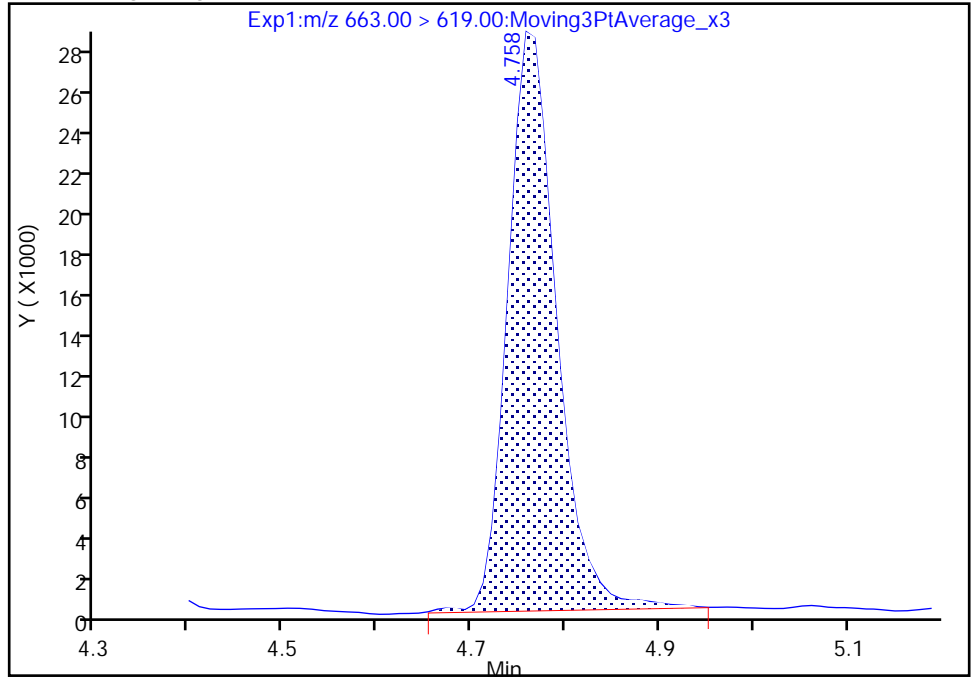
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

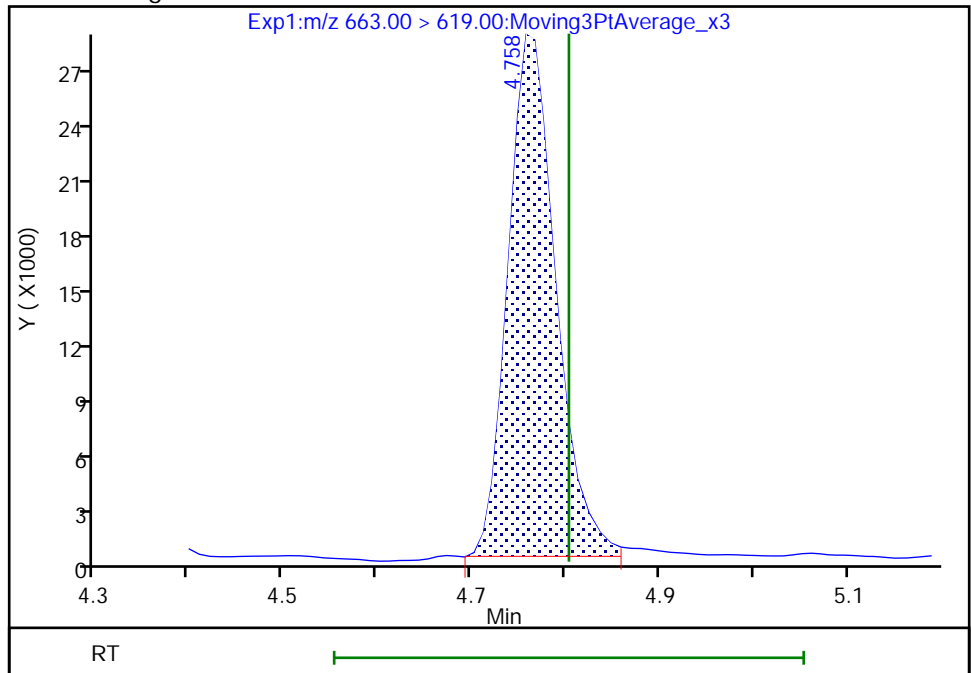
RT: 4.76
Area: 99015
Amount: 0.052833
Amount Units: ng/ml

Processing Integration Results



RT: 4.76
Area: 97033
Amount: 0.051776
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Dec-2022 10:47:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 545 of 939

Eurofins Burlington

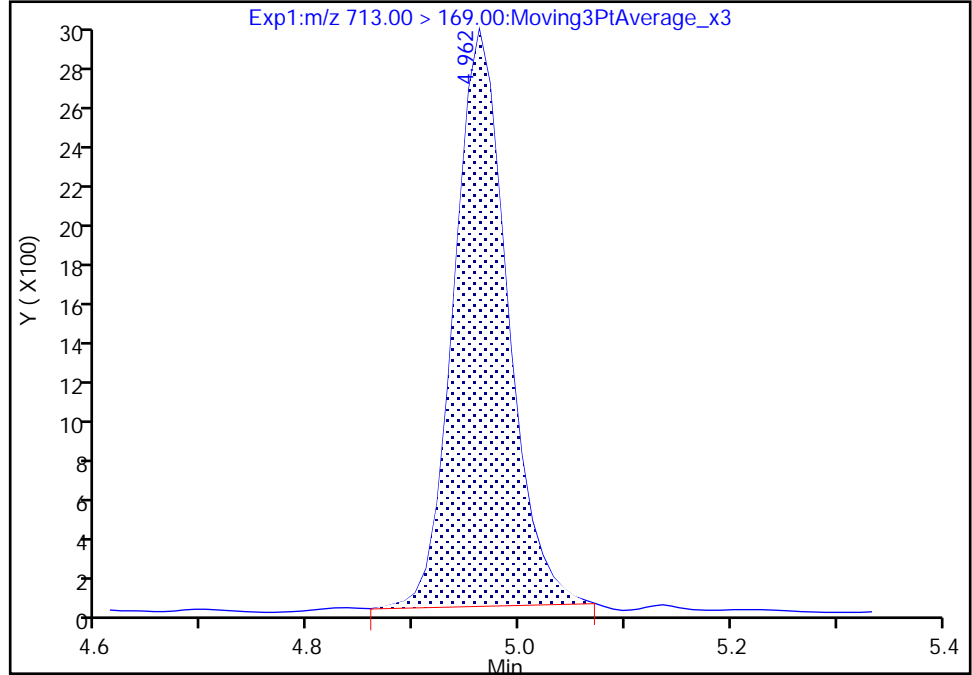
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

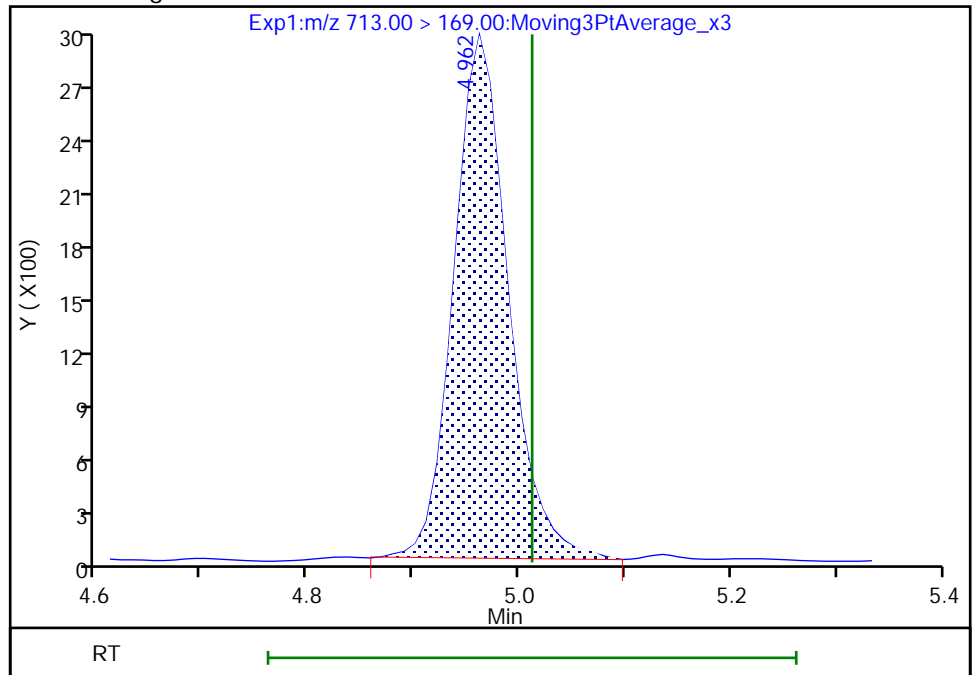
RT: 4.96
Area: 10397
Amount: 0.043034
Amount Units: ng/ml

Processing Integration Results



RT: 4.96
Area: 10649
Amount: 0.044077
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:47:55
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

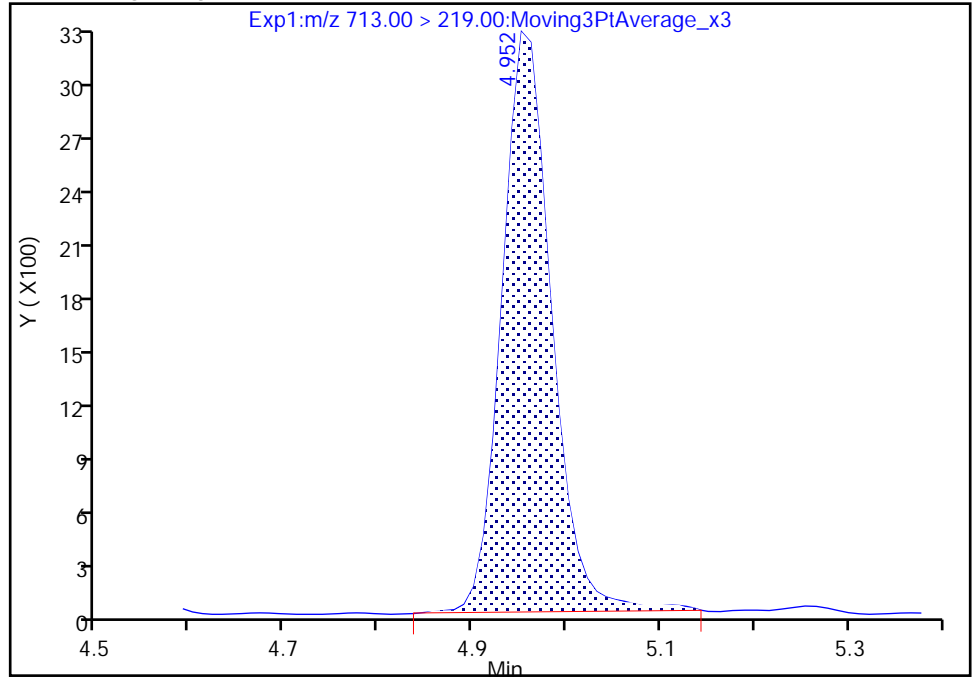
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

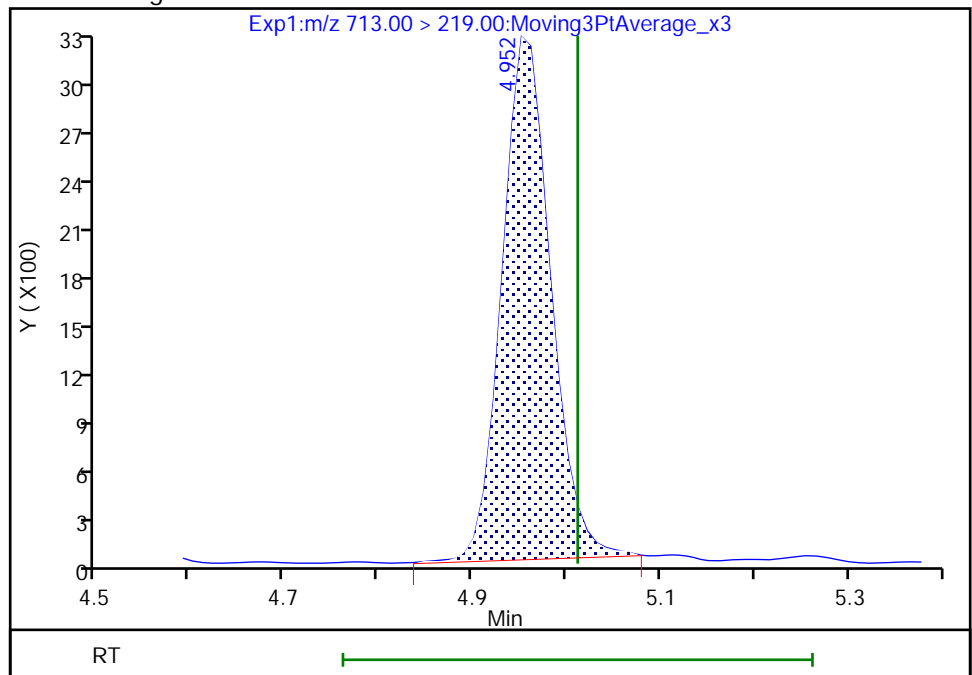
RT: 4.95
Area: 11872
Amount: 0.043034
Amount Units: ng/ml

Processing Integration Results



RT: 4.95
Area: 11565
Amount: 0.044077
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Dec-2022 10:48:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 547 of 939

Eurofins Burlington

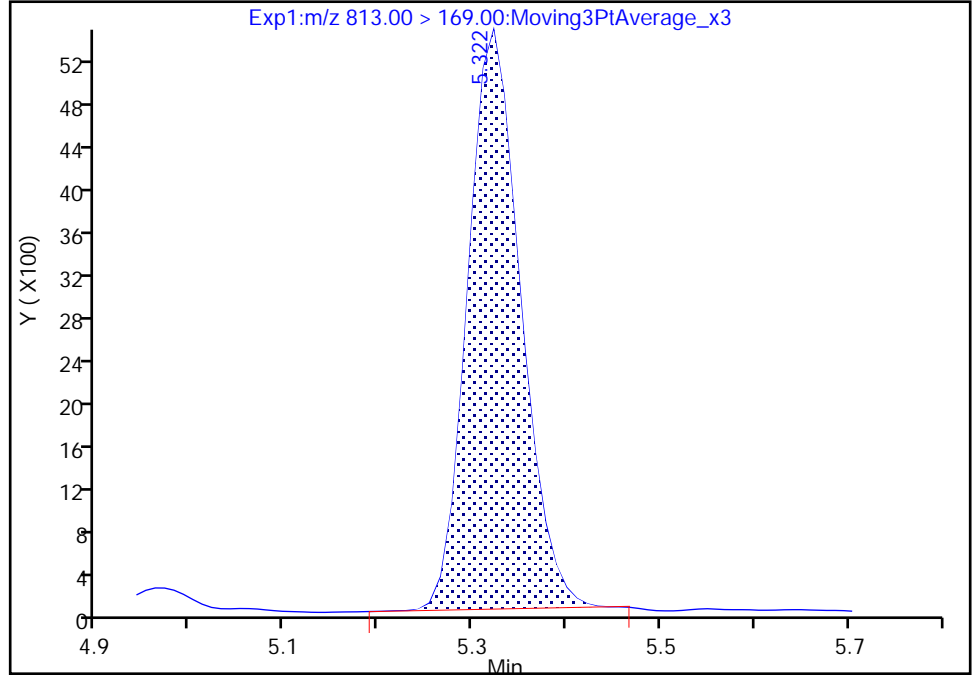
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

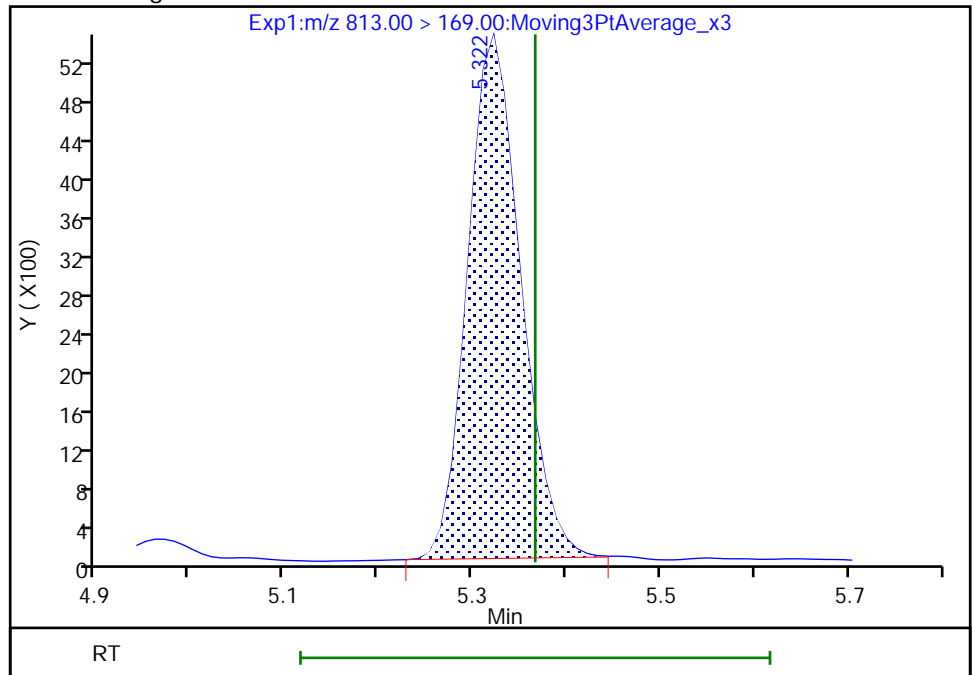
RT: 5.32
Area: 21088
Amount: 0.044197
Amount Units: ng/ml

Processing Integration Results



RT: 5.32
Area: 21018
Amount: 0.044197
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:48:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

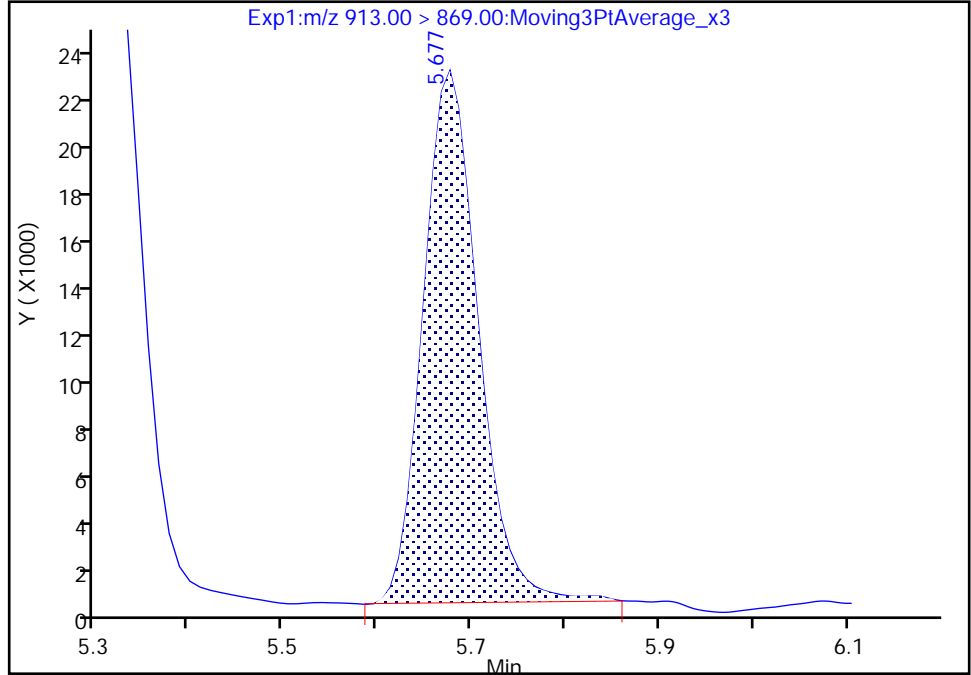
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A05.d
Injection Date: 02-Dec-2022 12:41:25 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

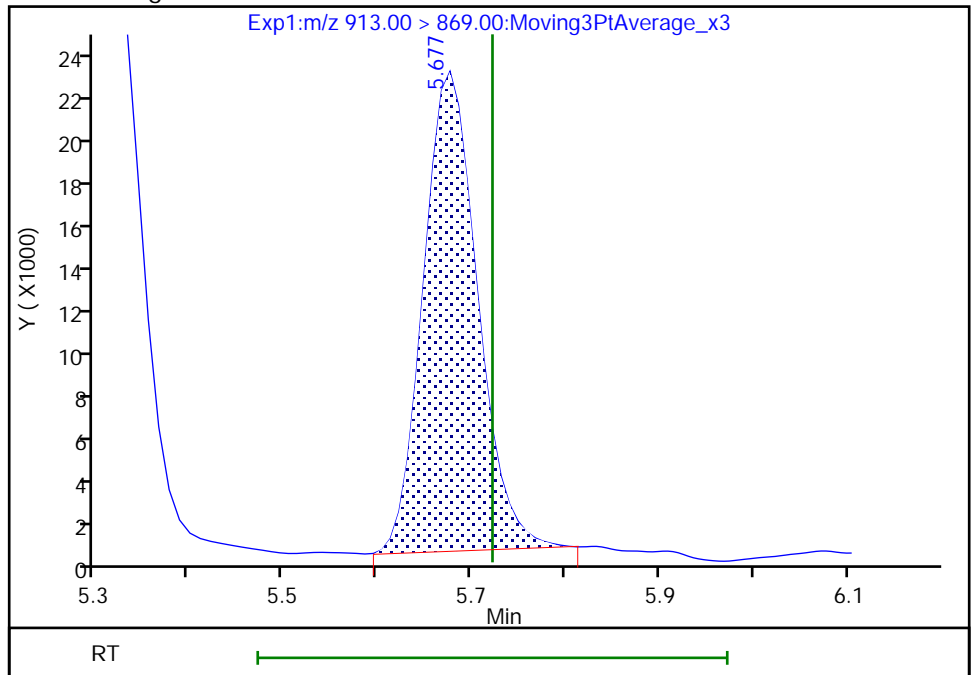
RT: 5.68
Area: 90861
Amount: 0.051261
Amount Units: ng/ml

Processing Integration Results



RT: 5.68
Area: 88949
Amount: 0.050182
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:48:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 549 of 939

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-270065-1
 SDG No.: _____
 Lab Sample ID: CCV 200-186301/9 Calibration Date: 12/02/2022 13:14
 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: PA221202A09.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	0.9496		0.921	1.00	-7.9	
Perfluoropentanoic acid (PFPeA)	AveID	1.090	1.009		0.926	1.00	-7.4	
Perfluorobutanesulfonic acid (PFBS)	AveID	1.144	1.042		0.805	0.884	-8.9	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	3.081	2.706		0.820	0.934	-12.2	
Perfluorohexanoic acid (PFHxA)	AveID	1.090	1.045		0.959	1.00	-4.1	
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.335	1.253		0.880	0.938	-6.2	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.056	0.9853		0.933	1.00	-6.7	
Perfluoroheptanoic acid (PFHpA)	AveID	1.089	1.020		0.937	1.00	-6.3	
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.129	1.100		0.887	0.910	-2.5	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	5.507	4.736		0.810	0.942	-14.0	
6:2 FTS	L1ID		2.144		0.950	0.948	0.2	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.397	1.339		0.912	0.952	-4.2	
Perfluorooctanoic acid (PFOA)	AveID	1.069	0.9776		0.914	1.00	-8.6	
Perfluorooctanesulfonic acid (PFOS)	AveID	1.216	1.120		0.855	0.928	-7.9	
Perfluorononanoic acid (PFNA)	AveID	1.037	1.006		0.970	1.00	-3.0	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	AveID	2.791	2.600		0.868	0.932	-6.9	
Perfluorononanesulfonic acid (PFNS)	AveID	0.9179	0.9018		0.943	0.960	-1.8	
Perfluorodecanoic acid (PFDA)	AveID	1.084	1.010		0.931	1.00	-6.9	
8:2 FTS	AveID	1.617	1.553		0.920	0.958	-4.0	
Perfluorooctanesulfonamide (FOSA)	AveID	1.045	1.006		0.963	1.00	-3.7	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	L1ID		0.8777		1.01	1.00	0.9	30.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.7248	0.7196		0.957	0.964	-0.7	
Perfluoroundecanoic acid (PFUnA)	AveID	1.008	0.9669		0.959	1.00	-4.1	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.8953	0.8401		0.938	1.00	-6.2	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF)	AveID	4.303	3.916		0.857	0.942	-9.0	
Perfluorododecanoic acid (PFDoA)	AveID	1.059	1.014		0.957	1.00	-4.3	
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	AveID	0.9717	0.7728		0.767	0.964	-20.5	
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.3067	0.3173		1.00	0.968	3.5	

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-270065-1
 SDG No.: _____
 Lab Sample ID: CCV 200-186301/9 Calibration Date: 12/02/2022 13:14
 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: PA221202A09.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	0.9711		0.958	1.00	-4.2	
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1369	0.1416		1.03	1.00	3.4	
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		0.9238		0.988	1.00	-1.2	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.8236	0.8788		1.07	1.00	6.7	
13C4 PFBA	Ave	1.122	1.058		1.18	1.25	-5.6	
13C5 PFPeA	Ave	0.8543	0.8231		1.20	1.25	-3.6	
13C3 PFBS	Ave	0.9281	0.9913		1.24	1.16	6.8	
M2-4:2 FTS	Ave	0.0820	0.0878		1.25	1.17	7.1	
13C2 PFHxA	Ave	0.8951	0.8485		1.19	1.25	-5.2	
13C3 HFPO-DA	Ave	0.1580	0.1564		1.24	1.25	-1.0	
13C4 PFHpA	Ave	0.9206	0.8696		1.18	1.25	-5.5	50.0
18O2 PFHxS	Ave	0.6761	0.7134		1.25	1.18	5.5	50.0
M2-6:2 FTS	Ave	0.1134	0.1216		1.27	1.19	7.2	
13C4 PFOA	Ave	1.035	1.024		1.24	1.25	-1.0	50.0
13C4 PFOS	Ave	0.4588	0.4947		1.29	1.20	7.8	50.0
13C5 PFNA	Ave	1.006	1.014		1.26	1.25	0.9	50.0
13C2 PFDA	Ave	1.025	1.106		1.35	1.25	7.9	
M2-8:2 FTS	Ave	0.1387	0.1568		1.35	1.20	13.1	
13C8 FOSA	Ave	0.8403	0.8967		1.33	1.25	6.7	
d3-NMeFOSAA	Ave	0.2087	0.2120		1.27	1.25	1.6	
13C2 PFUnA	Ave	0.9385	0.9513		1.27	1.25	1.4	
d5-NEtFOSAA	Ave	0.2055	0.2164		1.32	1.25	5.3	
13C2 PFDoA	Ave	0.9562	0.9206		1.20	1.25	-3.7	
13C2 PFTeDA	Ave	0.8270	0.7927		1.20	1.25	-4.2	
13C2 PFHxDA	Ave	1.022	1.024		1.25	1.25	0.1	

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
 Lims ID: CCV L4
 Client ID:
 Sample Type: CCV
 Inject. Date: 02-Dec-2022 13:14:09 ALS Bottle#: 6 Worklist Smp#: 9
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: CCV L4
 Misc. Info.: 200-0053527-009 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 05-Dec-2022 11:40:57 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: CTX1627

First Level Reviewer: nampitakw Date: 05-Dec-2022 11:35:13

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	0.609	2692351	1.18	94.4	11298	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.076	0.009	1.000	2045349	0.9209		92.1	190	M
D 3 13C5 PFPeA	267.90 > 223.00	2.387	2.387	0.0	0.698	2094031	1.20	96.4	4053	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.387	2.387	0.0	1.000	1691115	0.9263		92.6	40.3	M
D 47 13C3 PFBS	301.90 > 80.00	2.400	2.400	0.0	0.701	2345180	1.24	107	394492	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.400	2.400	0.0	1.000	1858556	0.8053	Target=2.09	91.1	2084	
298.90 > 99.00	2.400	2.400	0.0	1.000	867948		2.14(1.04-3.13)		541	
61 1H,1H,2H,2H-perfluorohexanesulfo	327.00 > 307.00	2.689	2.689	0.0	1.000	451818	0.8203	87.8	2347	
D 60 M2-4:2 FTS	329.00 > 81.00	2.689	2.689	0.0	0.786	208726	1.25	107	195	
D 7 13C2 PFHxA	315.00 > 270.00	2.725	2.725	0.0	0.797	2158559	1.18	94.8	4806	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.725	2.725	0.0	1.000	1804034	0.9588	Target=14.25	95.9	269	M
313.00 > 119.00	2.725	2.725	0.0	1.000	133425		13.52(7.12-21.37)		197	M
70 Perfluoropentanesulfonic acid	349.00 > 80.00	2.725	2.737	-0.012	0.886	1706686	0.8802	Target=3.04	93.8	3064
349.00 > 99.00	2.725	2.737	-0.012	0.886	580245		2.94(1.52-4.56)		1031	
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.823	2.835	-0.012	1.000	313558	0.9332		93.3	1469	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	2.823	2.835	-0.012	0.825	397779	1.24		99.0	2484	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.077	3.088	-0.011	0.899	1716909	1.25		106	3788	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.077	3.088	-0.011	1.000	1453818	0.8872	Target=3.66	97.5	1703	M
399.00 > 99.00	3.077	3.088	-0.011	1.000	414229		3.51(1.83-5.49)		389	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.077	3.099	-0.022	0.899	2212111	1.18		94.5	4355	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.077	3.099	-0.022	1.000	1805263	0.9369	Target=3.97	93.7	337	M
363.00 > 169.00	3.077	3.099	-0.022	1.000	490083		3.68(1.98-5.95)		1123	
77 DONA										M
377.00 > 251.00	3.110	3.132	-0.022	0.833	4491385	0.8100	Target=3.16	86.0	2435	M
377.00 > 85.00	3.110	3.132	-0.022	0.833	1509015		2.98(1.58-4.73)		1572	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.413	3.439	-0.026	0.997	293866	1.27		107	660	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.413	3.439	-0.026	1.000	502965	0.9503		100	125	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.413	3.439	-0.026	0.914	1282985	0.9123	Target=5.14	95.8	2196	M
449.00 > 99.00	3.413	3.439	-0.026	0.914	265230		4.84(2.57-7.72)		949	
D 14 13C4 PFOA										M
417.00 > 372.00	3.422	3.448	-0.026	1.000	2606173	1.24		99.0	3087	M
* 62 13C2 PFOA										
415.00 > 370.00	3.422	3.448	-0.026		2543943	1.25			3629	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.430	3.448	-0.018	1.003	2038192	0.9144	Target=2.79	91.4	133	M
413.00 > 169.00	3.422	3.448	-0.026	1.000	761402		2.68(1.40-4.19)		783	M
D 18 13C4 PFOS										M
503.00 > 80.00	3.735	3.764	-0.029	1.092	1203159	1.29		108	2631	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.735	3.764	-0.029	1.000	1046838	0.8550	Target=5.11	92.1	505	M
499.00 > 99.00	3.735	3.764	-0.029	1.000	233087		4.49(2.55-7.66)		399	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.754	3.783	-0.029	1.000	2076650	0.9697	Target=8.55	97.0	417	
463.00 > 169.00	3.754	3.783	-0.029	1.000	243441		8.53(4.28-12.83)		2010	
D 19 13C5 PFNA										M
468.00 > 423.00	3.754	3.783	-0.029	1.097	2580634	1.26		101	5503	M
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.904	3.928	-0.024	1.045	2439541	0.8681		93.1	2480	M
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.023	4.050	-0.027	1.077	871616	0.9431	Target=2.53	98.2	3633	M
549.00 > 99.00	4.023	4.050	-0.027	1.077	352486		2.47(1.27-3.80)		1544	
D 23 13C2 PFDA										
515.00 > 470.00	4.051	4.081	-0.030	1.184	2813190	1.35		108	9125	

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	4.051	4.081	-0.030	1.000	2272796	0.9312	Target=10.26	93.1	932	
513.00 > 169.00	4.051	4.081	-0.030	1.000	217962		10.43(5.13-15.38)		425	M
D 26 M2-8:2 FTS										M
529.00 > 81.00	4.061	4.093	-0.032	1.187	382136	1.35		113	1187	M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.061	4.093	-0.032	1.000	474688	0.9199		96.0	3377	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.127	4.150	-0.023	1.000	1836761	0.9634		96.3	1975	
D 21 13C8 FOSA										
506.00 > 78.00	4.127	4.150	-0.023	1.206	2281171	1.33		107	3905	
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.196	4.228	-0.032	1.226	539377	1.27		102	752	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.207	4.228	-0.021	1.003	378742	1.01		101	463	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.297	4.331	-0.034	1.150	698415	0.9571	Target=2.51	99.3	2180	M
599.00 > 99.00	4.297	4.331	-0.034	1.150	269020		2.60(1.25-3.76)		981	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.320	4.353	-0.033	1.262	2420112	1.27		101	4889	
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.331	4.353	-0.022	1.003	1871938	0.9594	Target=9.88	95.9	808	
563.00 > 169.00	4.320	4.353	-0.033	1.000	187873		9.96(4.94-14.82)		1082	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.342	4.365	-0.023	1.003	370047	0.9384		93.8	868	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.331	4.365	-0.034	1.266	550602	1.32		105	942	
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.421	4.454	-0.033	1.184	3714419	0.8574		91.0	4131	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.567	4.591	-0.024	1.000	1899718	0.9570	Target=7.77	95.7	205	
613.00 > 169.00	4.567	4.591	-0.024	1.000	252304		7.53(3.89-11.66)		1360	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.567	4.591	-0.024	1.335	2342068	1.20		96.3	4279	
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.580	4.612	-0.032	1.128	237721	0.7666		79.5	749	M
75 Perfluorododecanesulfonic acid (M
699.00 > 80.00	4.740	4.776	-0.036	1.269	309259	1.00	Target=0.50	103	3003	
699.00 > 99.00	4.740	4.776	-0.036	1.269	571075		0.54(0.25-0.76)		1981	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.776	4.804	-0.028	1.046	1819423	0.9584	Target=5.21	95.8	128	M
663.00 > 169.00	4.776	4.804	-0.028	1.046	336569		5.41(2.60-7.81)		1063	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	4.972	5.012	-0.040	1.000	228431	1.03	Target=0.89	103	1149	
713.00 > 219.00	4.972	5.012	-0.040	1.000	243668		0.94(0.44-1.33)		951	M
D 43 13C2 PFTeDA										
715.00 > 670.00	4.972	5.012	-0.040	1.453	2016569	1.20		95.8	8343	

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	5.333	5.367	-0.034	1.000	1924513	0.9876	Target=5.65	98.8	143	
813.00 > 169.00	5.333	5.367	-0.034	1.000	330150		5.83(2.82-8.47)		1474	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.333	5.367	-0.034	1.559	2603981	1.25		100	5036	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.686	5.722	-0.036	1.066	1830760	1.07	Target=6.24	107	171	M
913.00 > 169.00	5.686	5.722	-0.036	1.066	282478		6.48(3.12-9.36)		895	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\20221202-53527.b\PA221202A09.d

Injection Date: 02-Dec-2022 13:14:09

Instrument ID: LC812

Lims ID: CCV L4

Client ID:

Operator ID: lc812tech

ALS Bottle#: 6

Worklist Smp#: 9

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

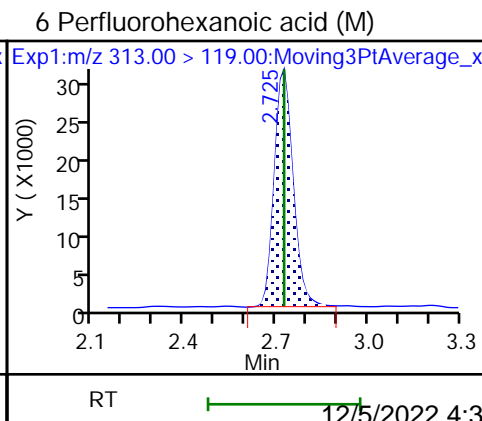
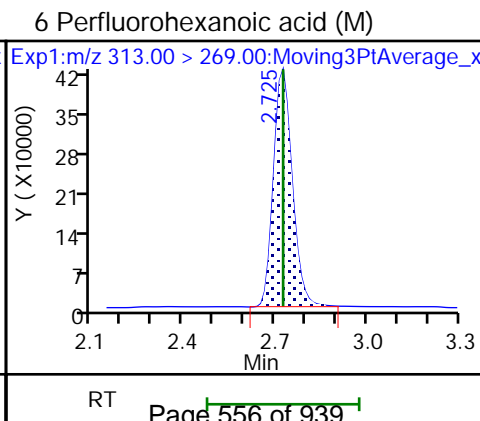
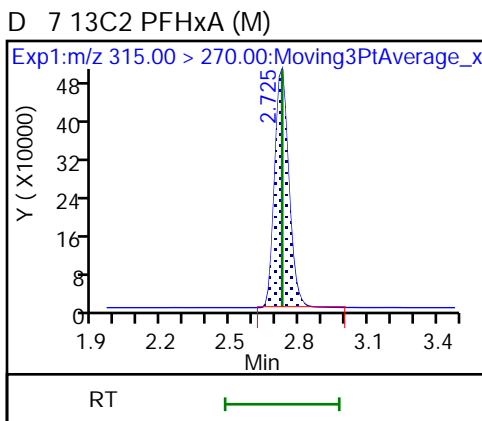
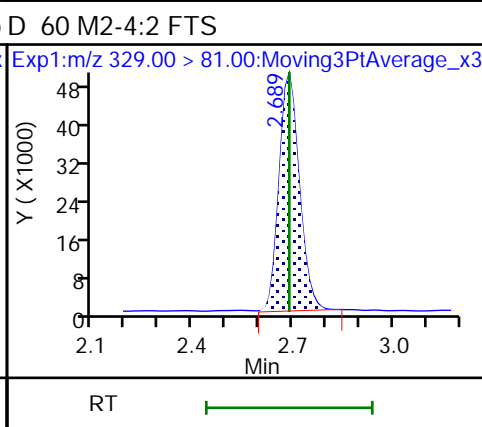
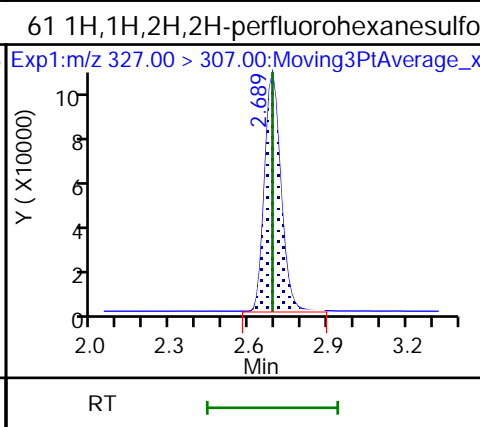
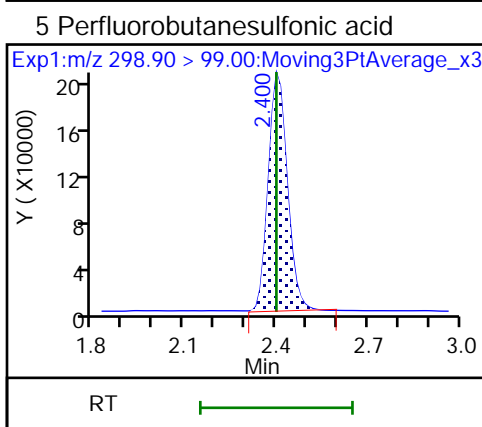
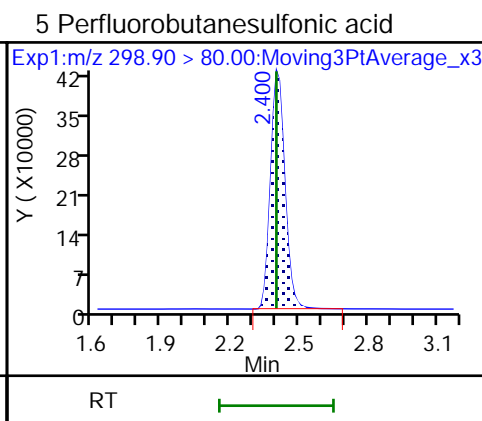
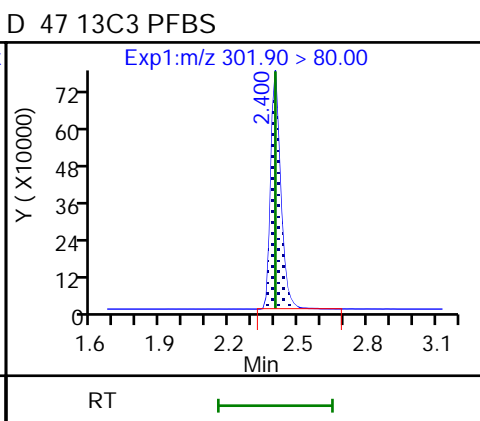
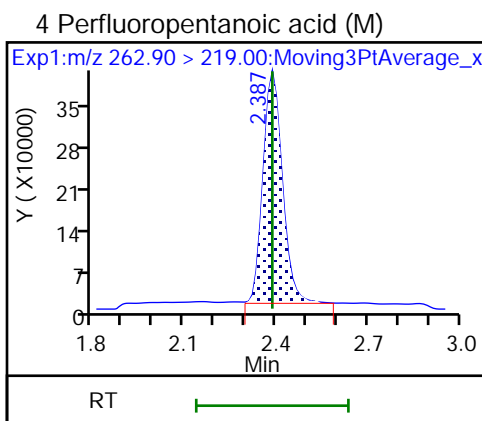
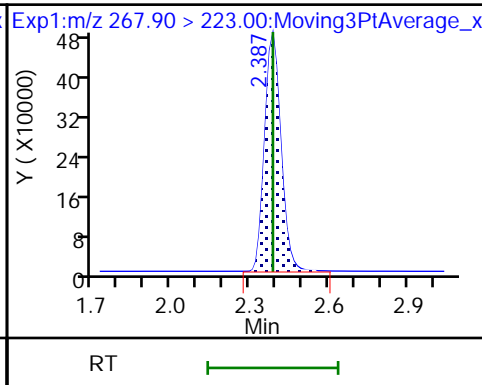
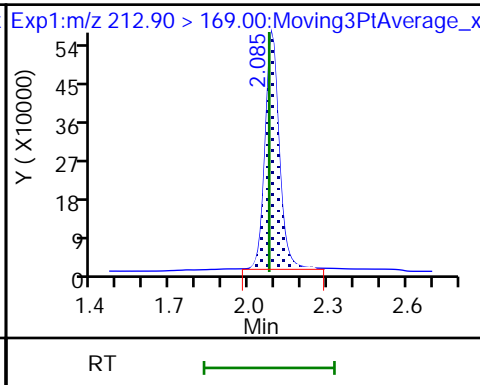
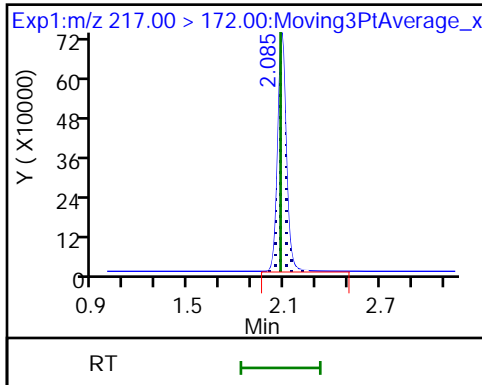
Method: PFC_LC812

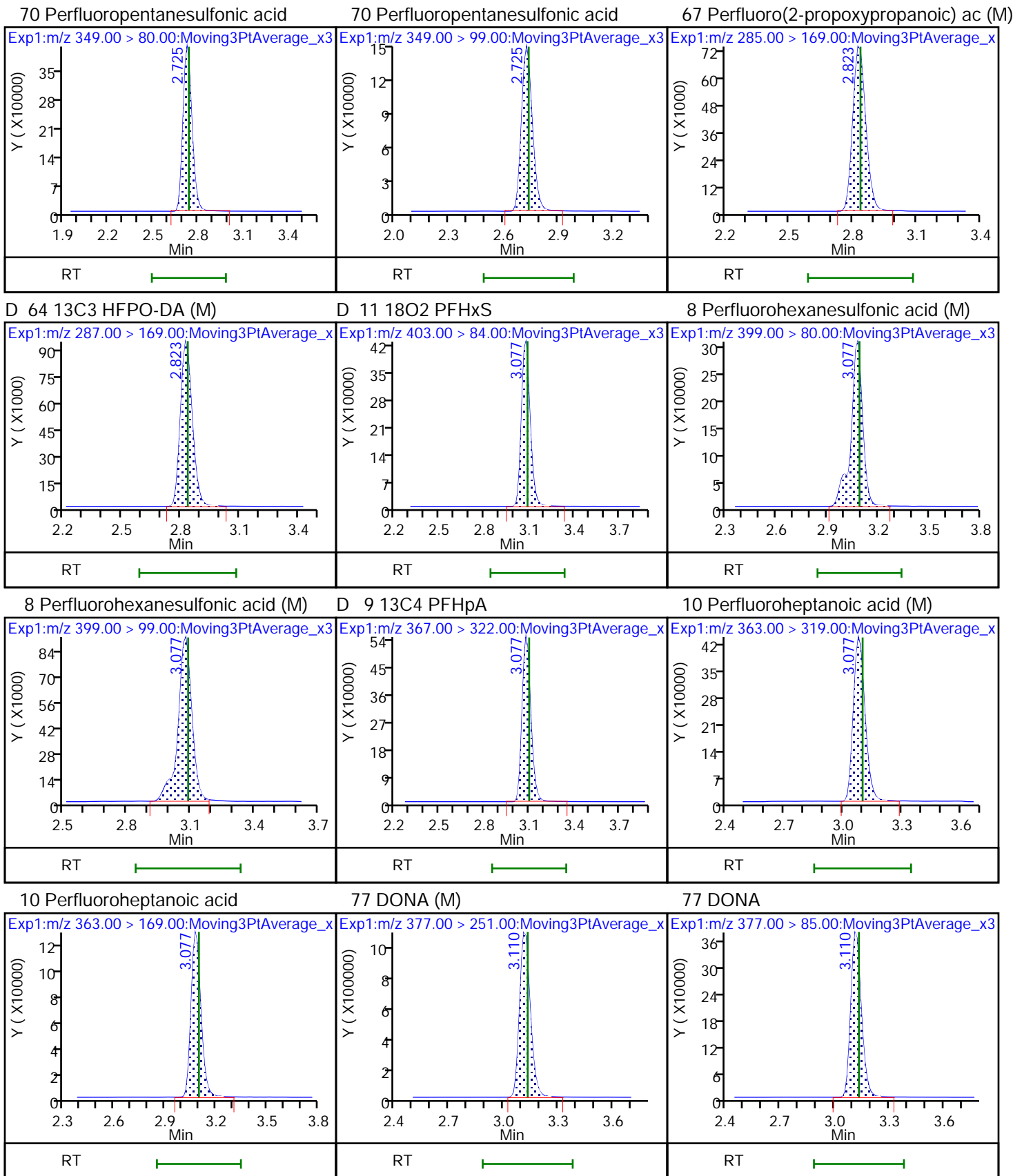
Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

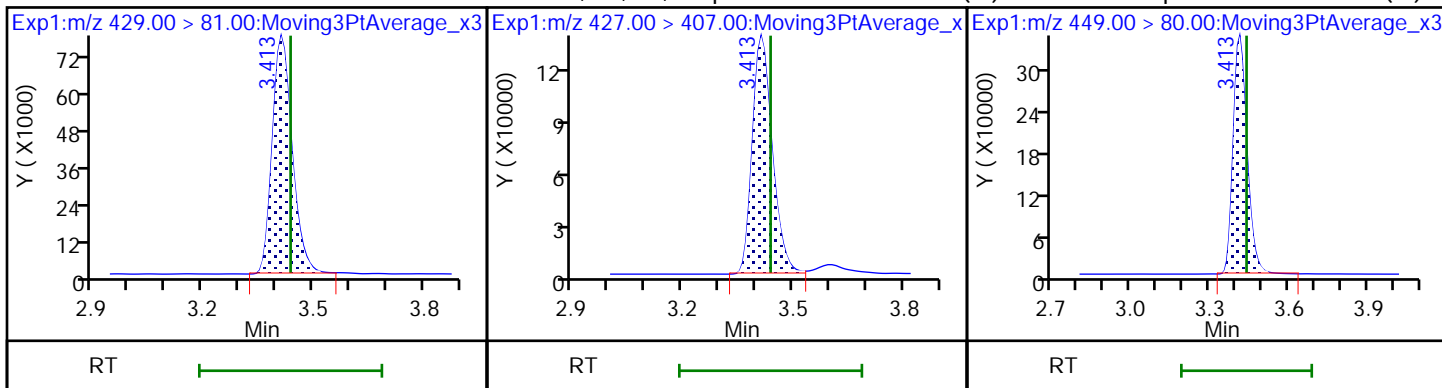
D 3 13C5 PFPeA





D 12 M2-6:2 FTS

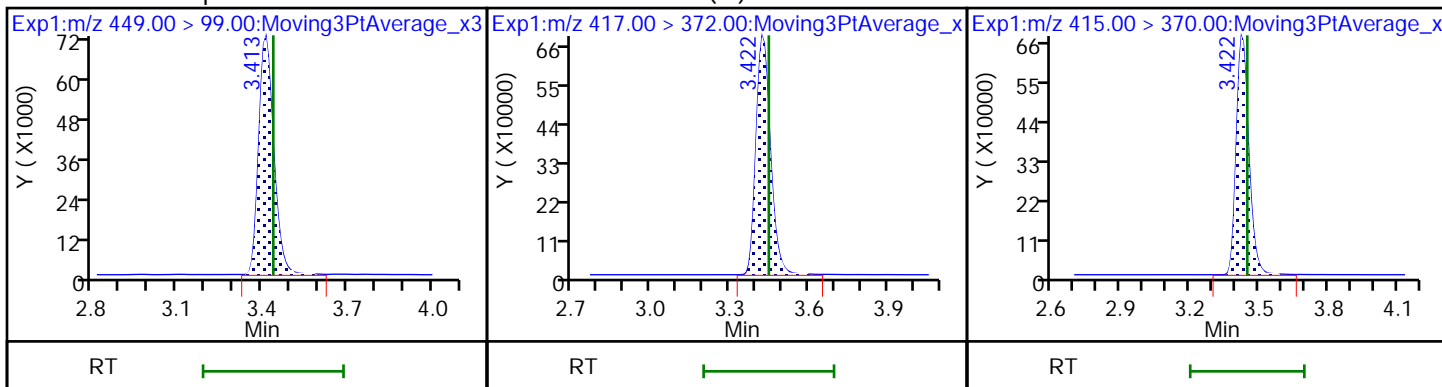
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 6 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid

D 14 13C4 PFOA (M)

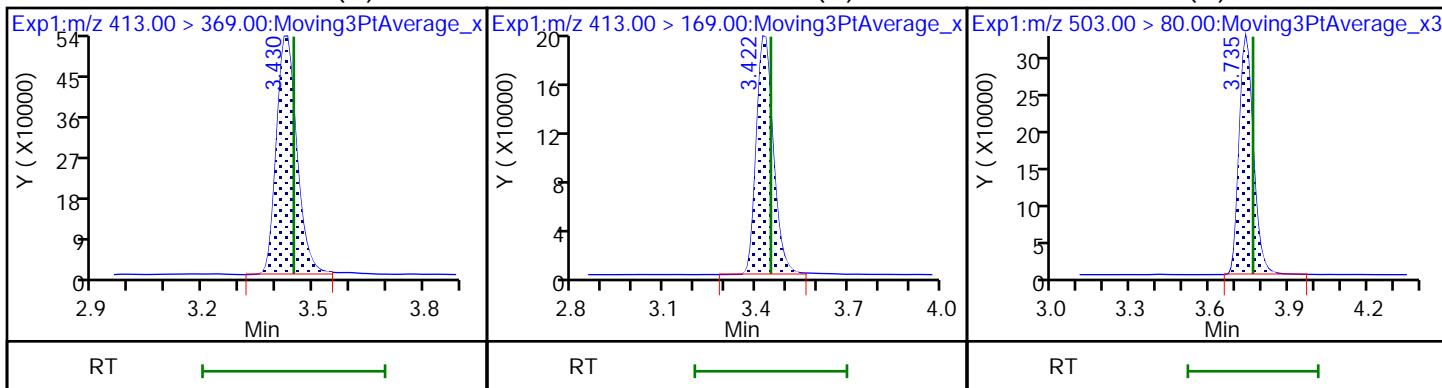
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

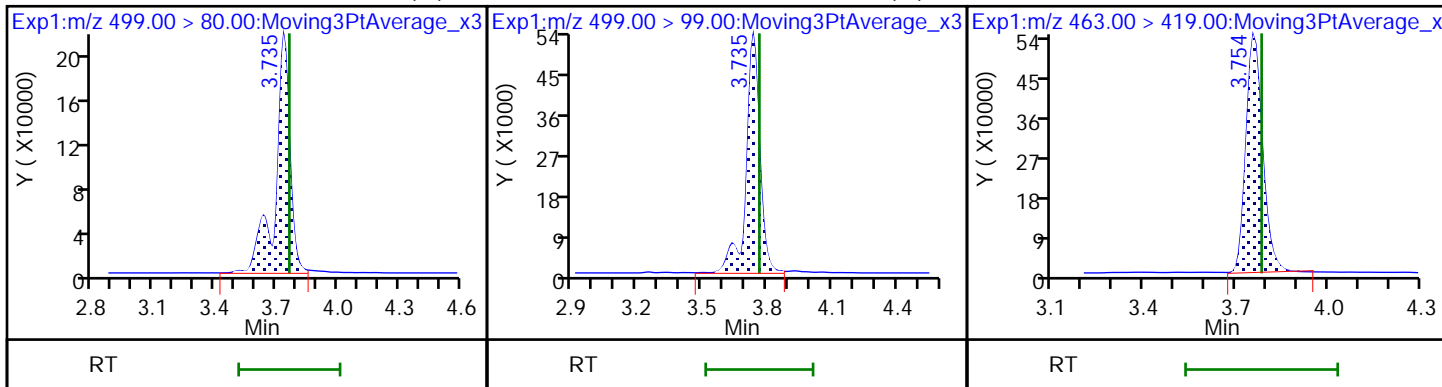
D 18 13C4 PFOS (M)

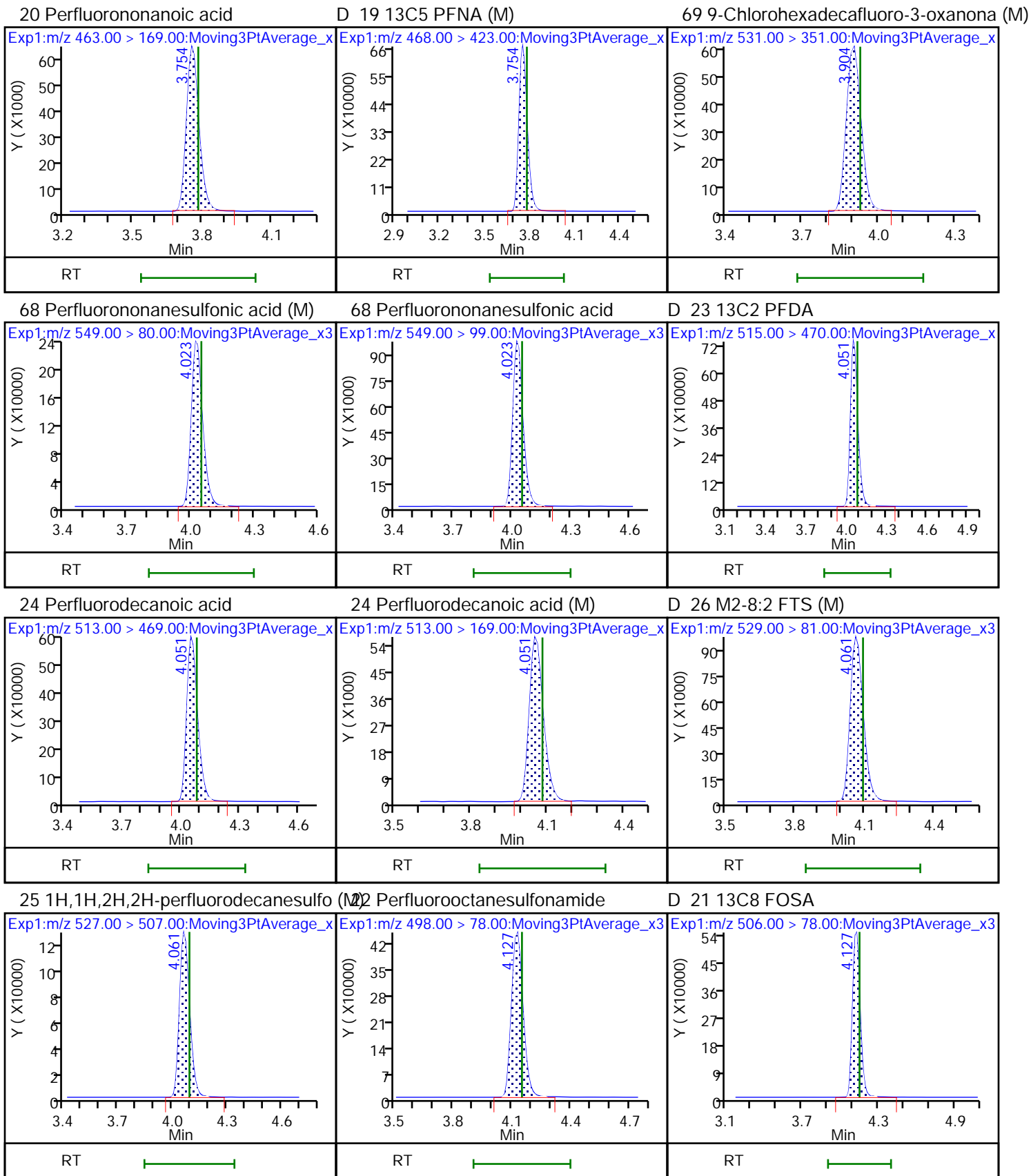


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid

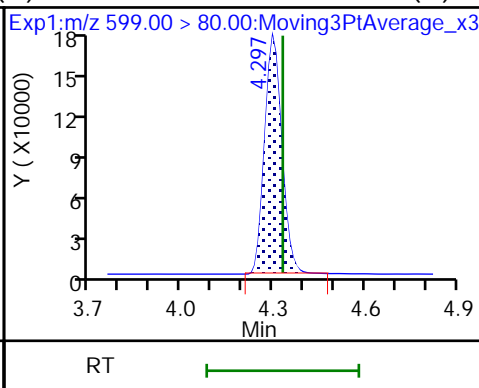
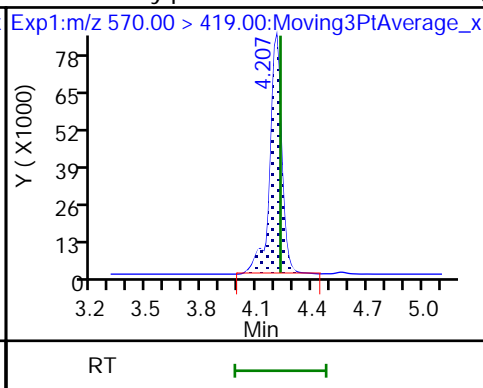
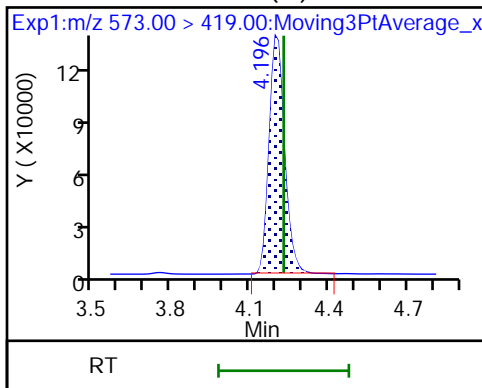




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

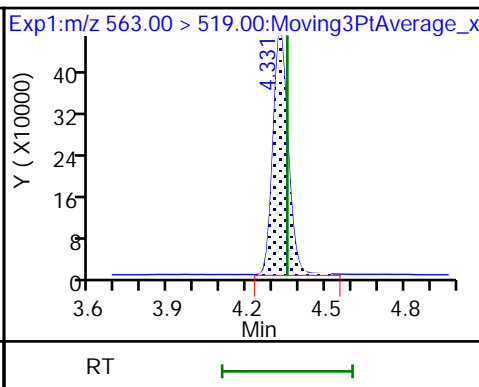
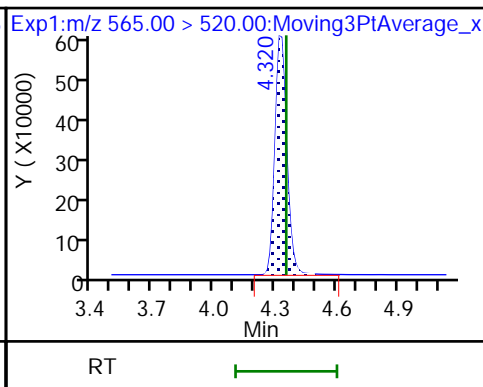
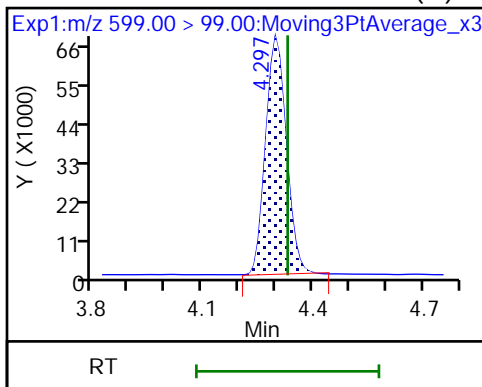
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUa

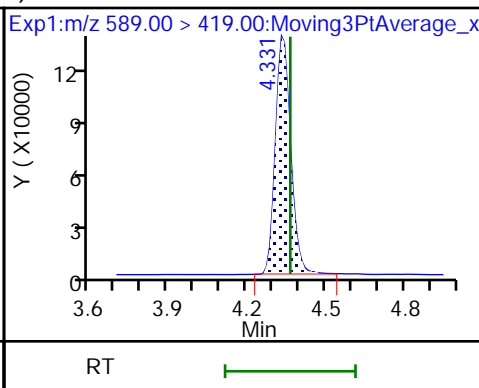
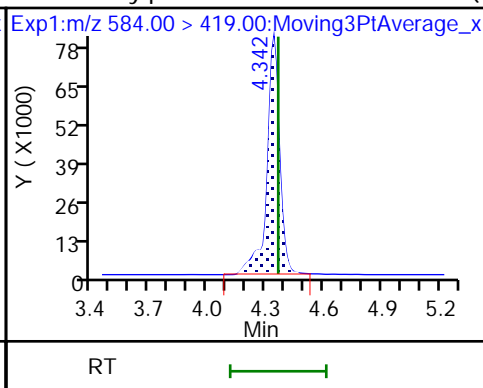
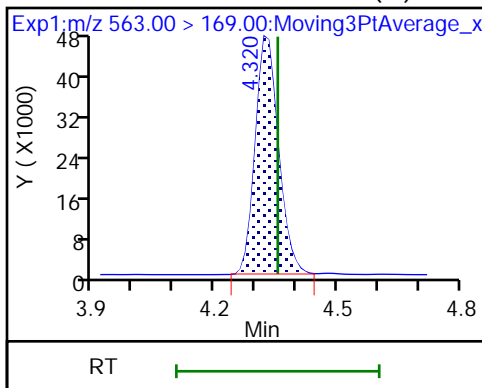
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid (M)

33 N-ethylperfluorooctanesulfonamid (M)

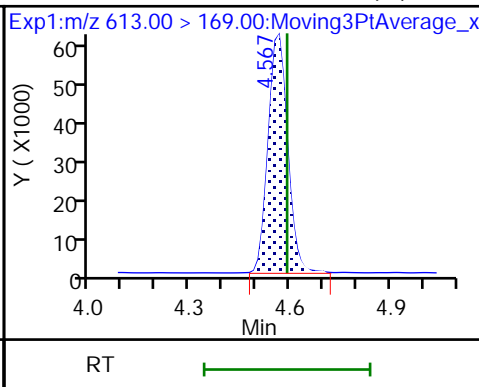
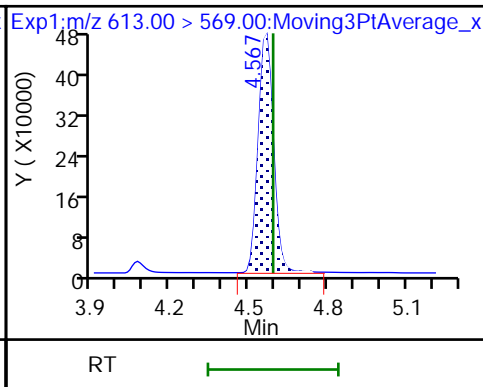
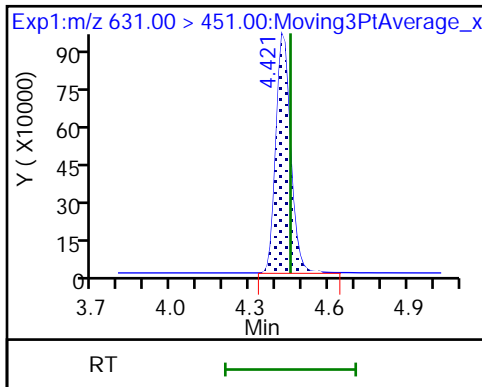
32 d5-NEtFOSAA



66 11-Chloroeicosafuoro-3-oxaundec

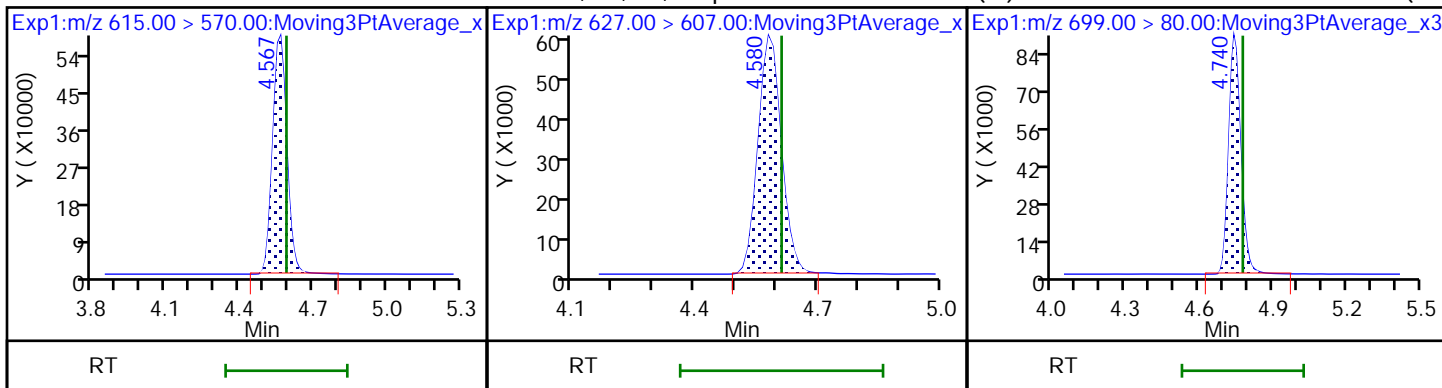
37 Perfluorododecanoic acid

37 Perfluorododecanoic acid (M)



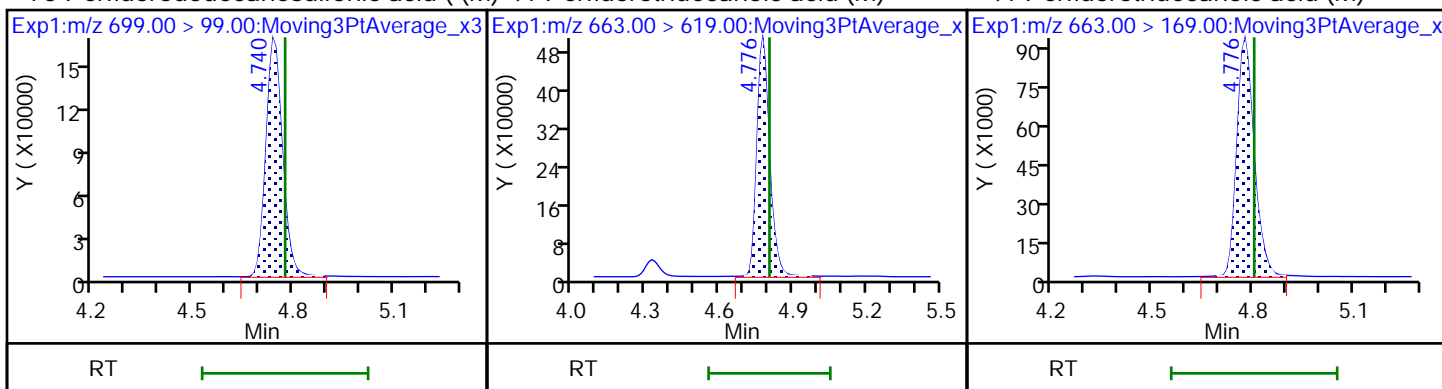
D 36 13C2 PFDoA

74 1H,1H,2H,2H-perfluorododecanesul (M) Perfluorododecanesulfonic acid (



75 Perfluorododecanesulfonic acid (M) 41 Perfluorotridecanoic acid (M)

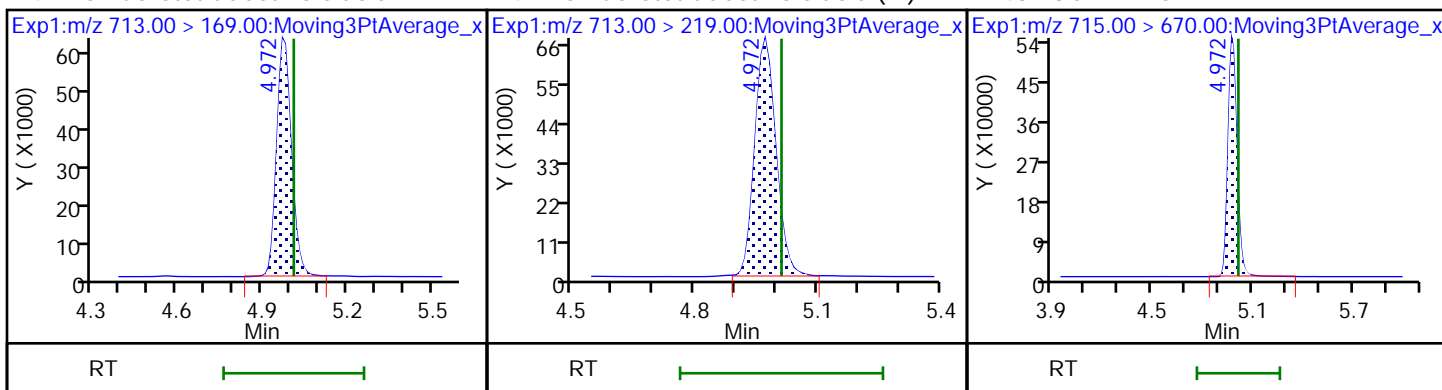
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid

42 Perfluorotetradecanoic acid (M)

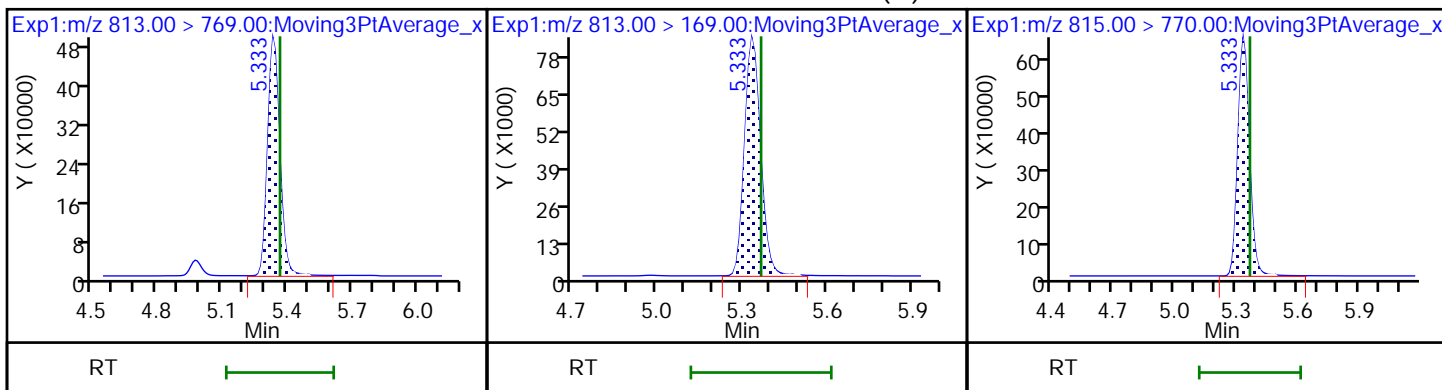
D 43 13C2 PFTeDA



45 Perfluorohexadecanoic acid

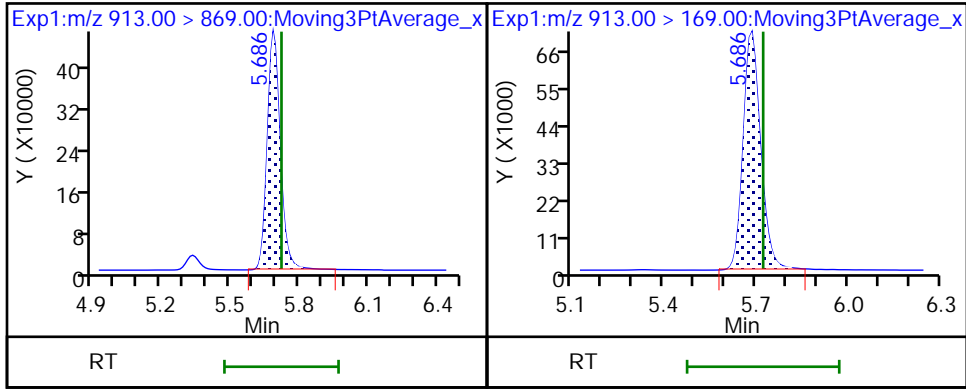
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

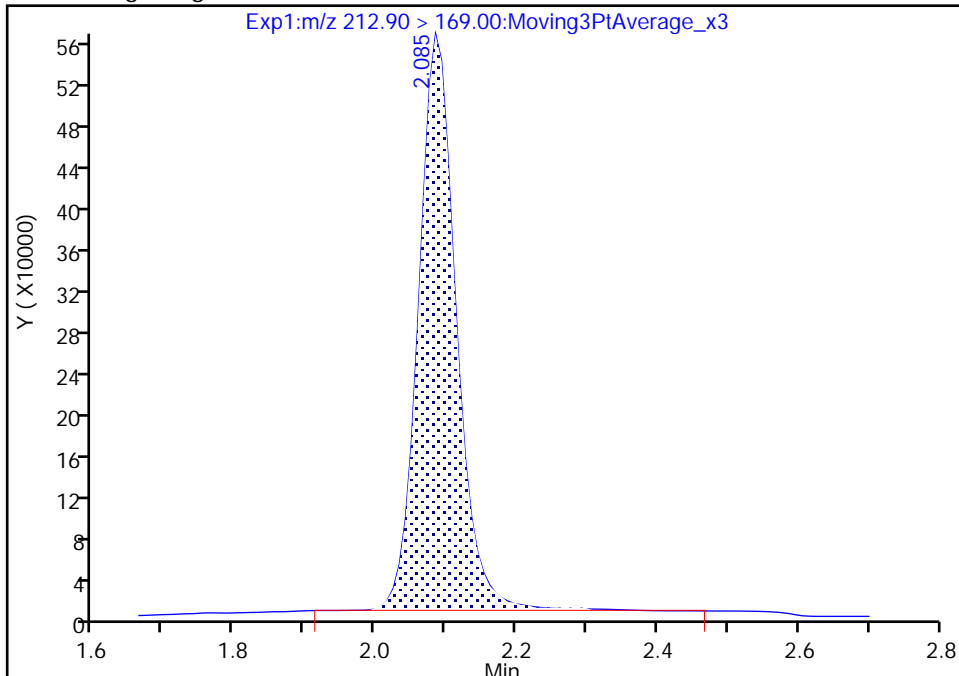
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

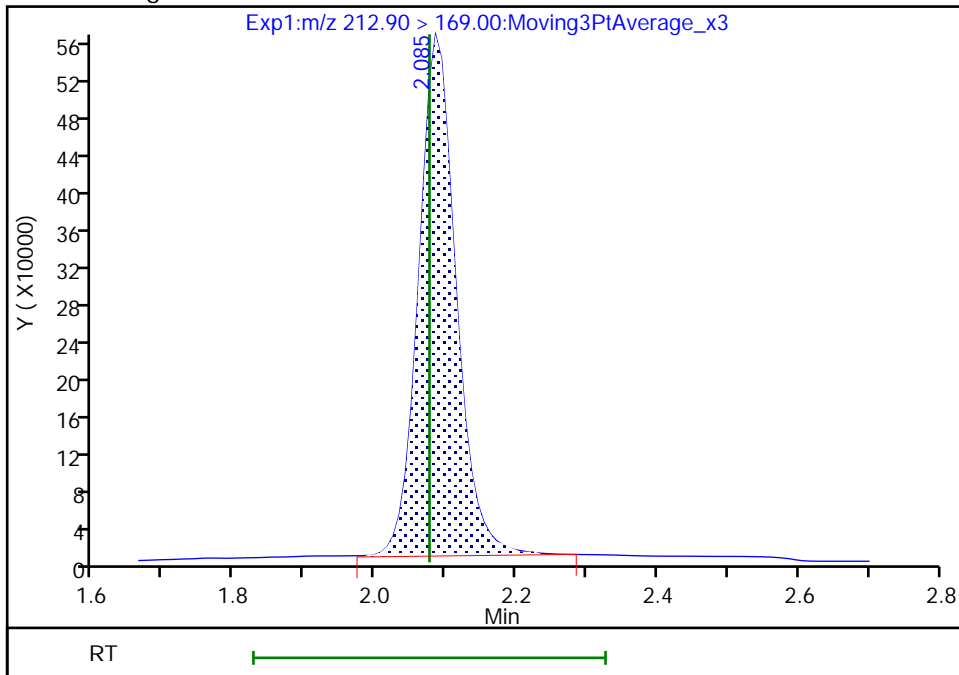
RT: 2.08
Area: 2074324
Amount: 0.933929
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 2045349
Amount: 0.920883
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:27:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 563 of 939

Eurofins Burlington

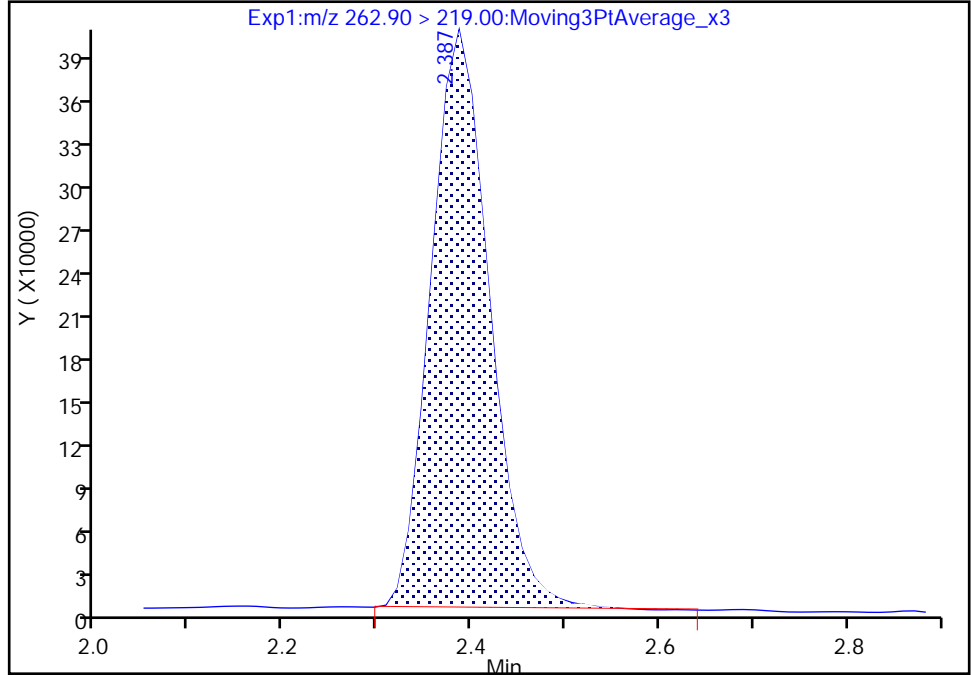
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

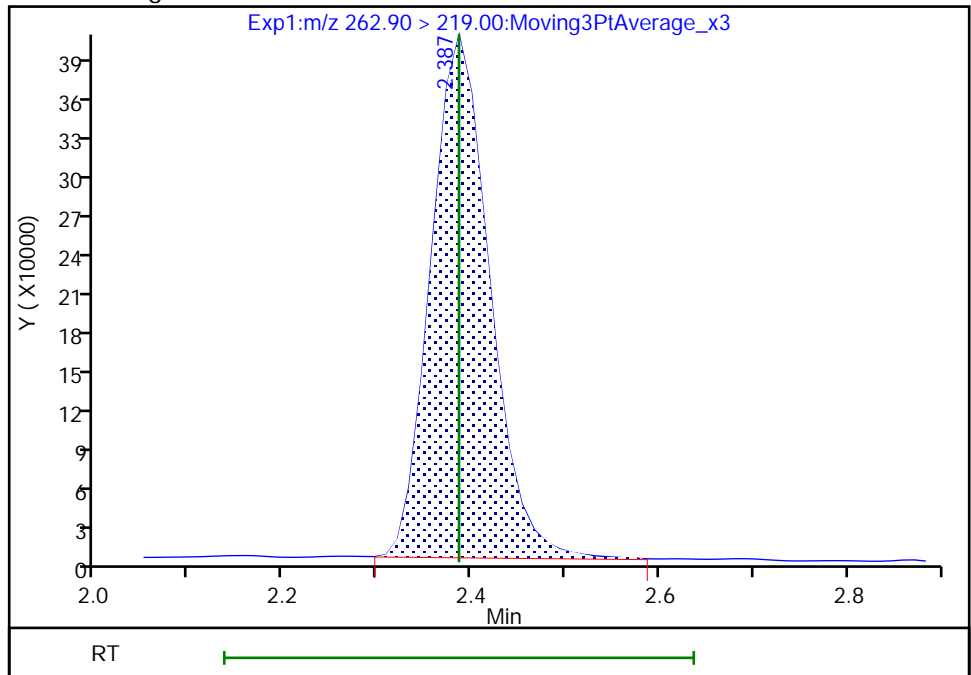
RT: 2.39
Area: 1692198
Amount: 0.926875
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 1691115
Amount: 0.926281
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:30:28
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

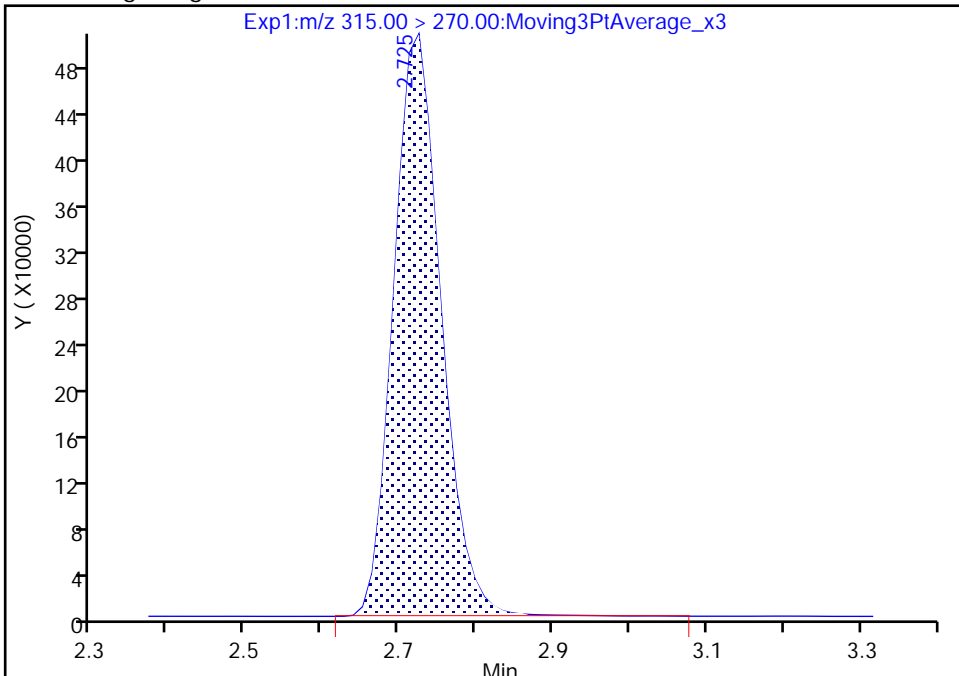
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 7 13C2 PFHxA, CAS: STL00993

Signal: 1

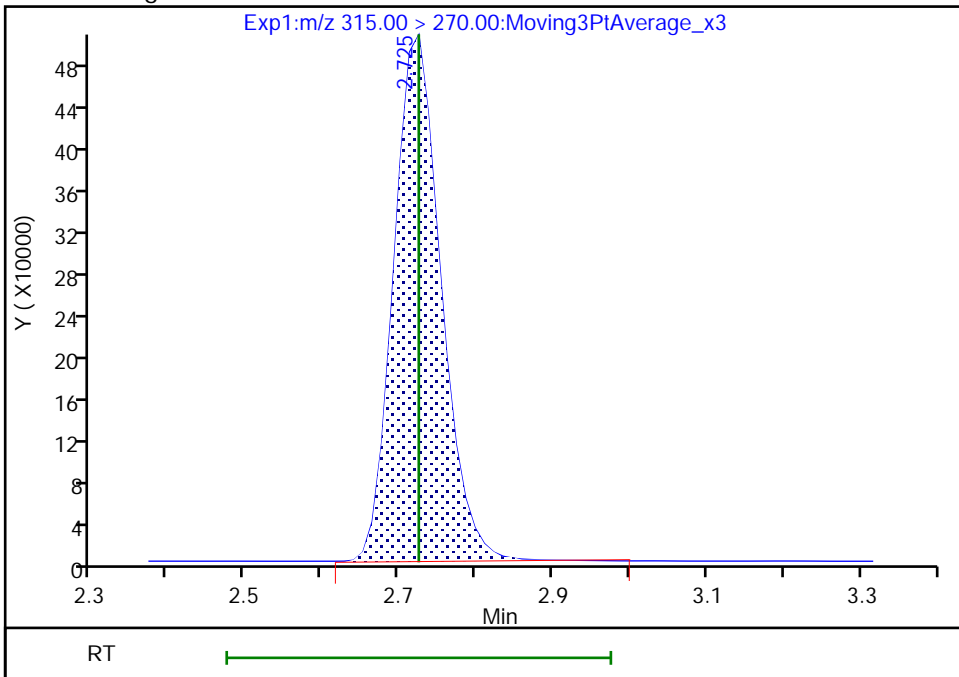
RT: 2.73
Area: 2161790
Amount: 1.186722
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 2158559
Amount: 1.184948
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:26:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

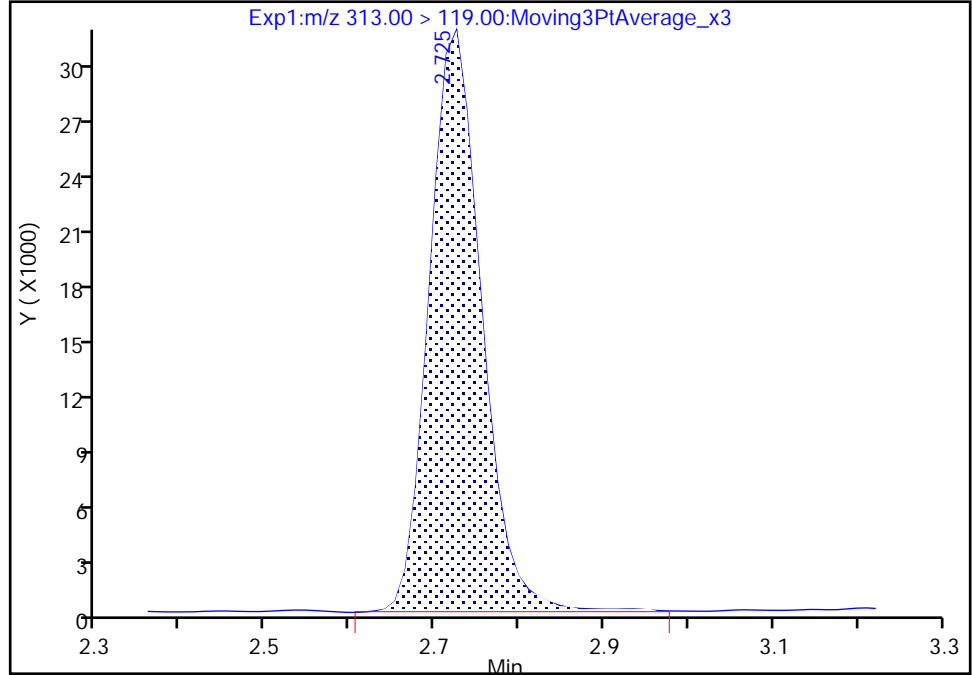
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

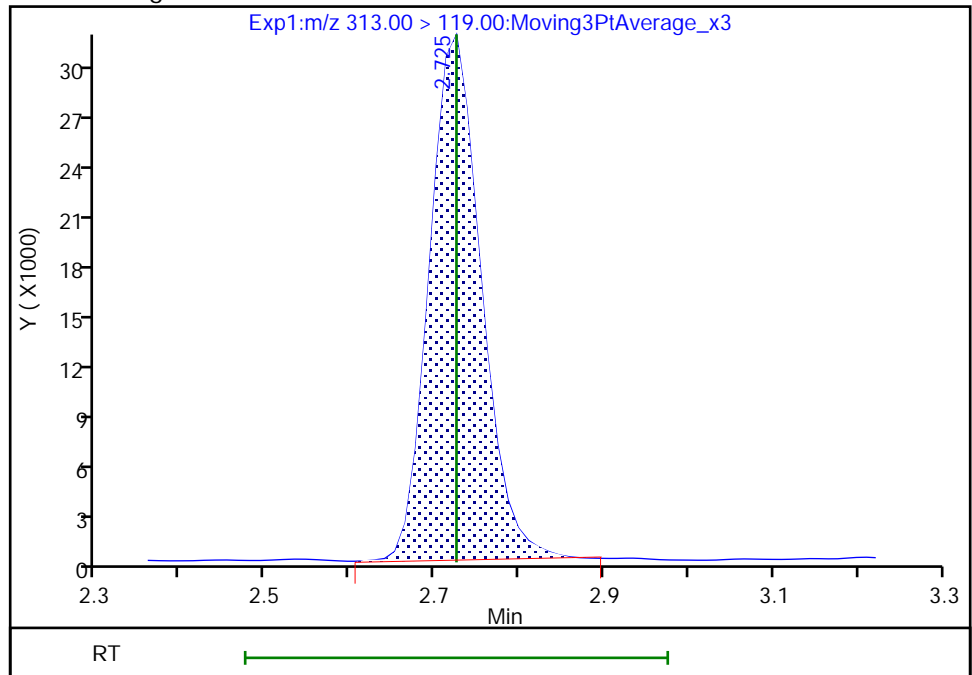
RT: 2.73
Area: 134823
Amount: 0.960535
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 133425
Amount: 0.958781
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:30:40
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

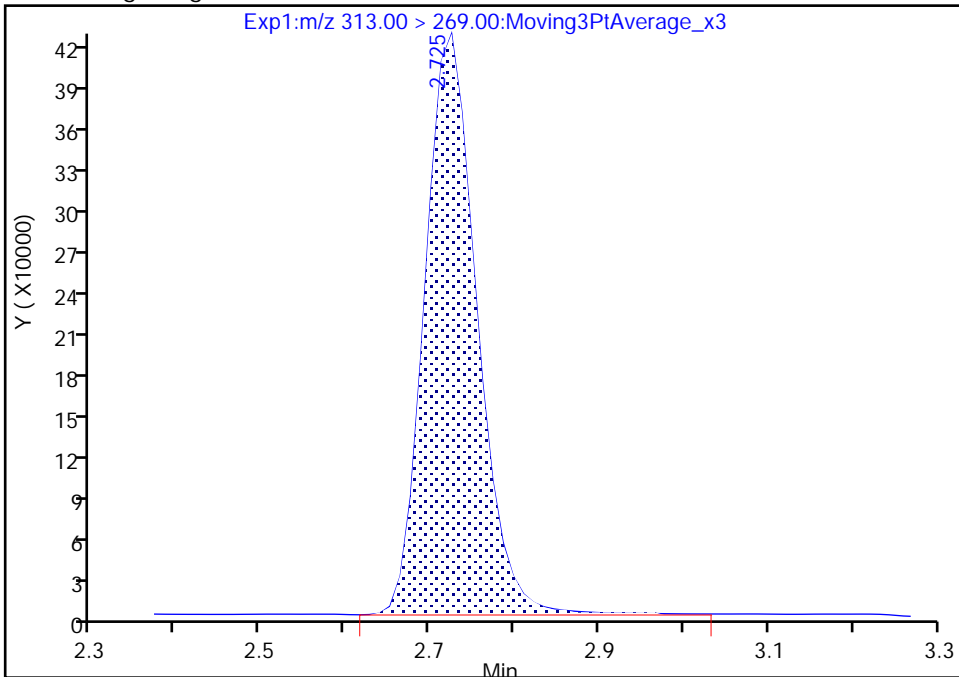
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

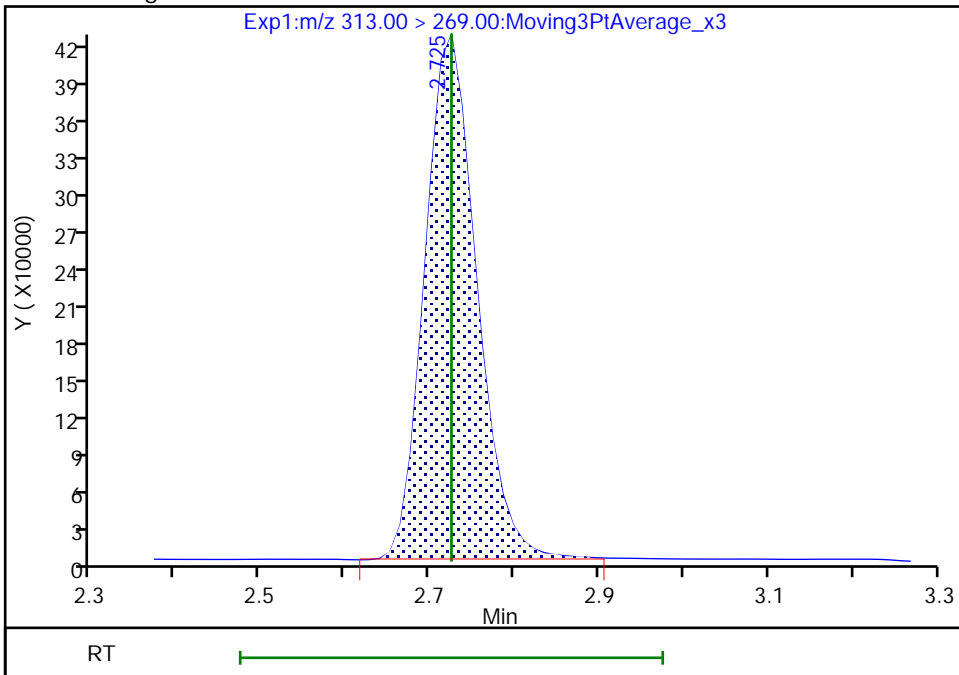
RT: 2.73
Area: 1807334
Amount: 0.960535
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 1804034
Amount: 0.958781
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Dec-2022 11:31:04

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

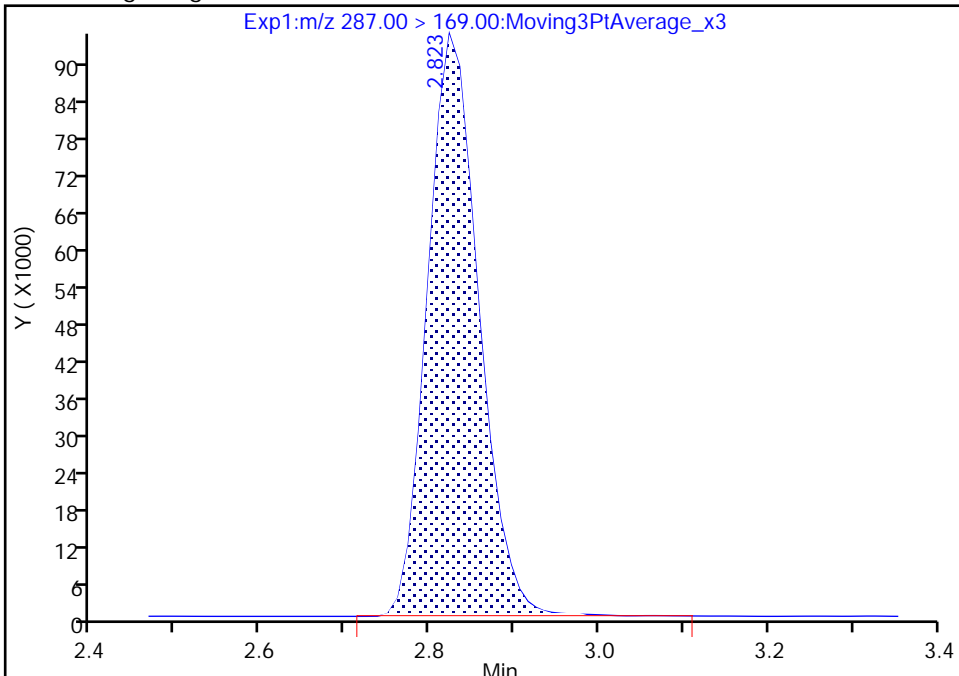
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 64 13C3 HFPO-DA, CAS: STL02255

Signal: 1

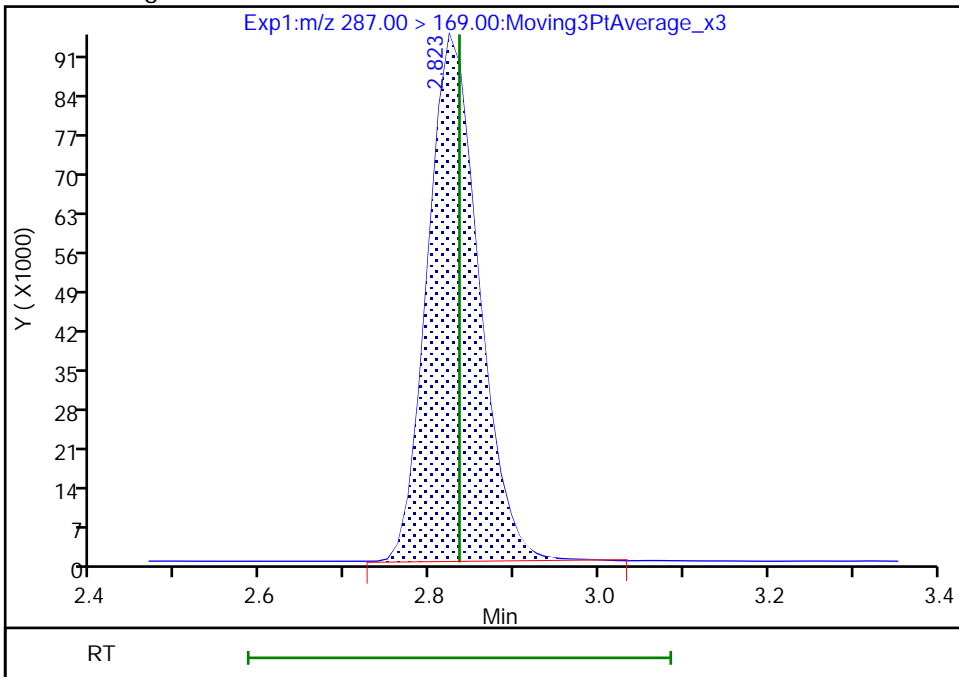
RT: 2.82
Area: 398356
Amount: 1.238915
Amount Units: ng/ml

Processing Integration Results



RT: 2.82
Area: 397779
Amount: 1.237120
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:26:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

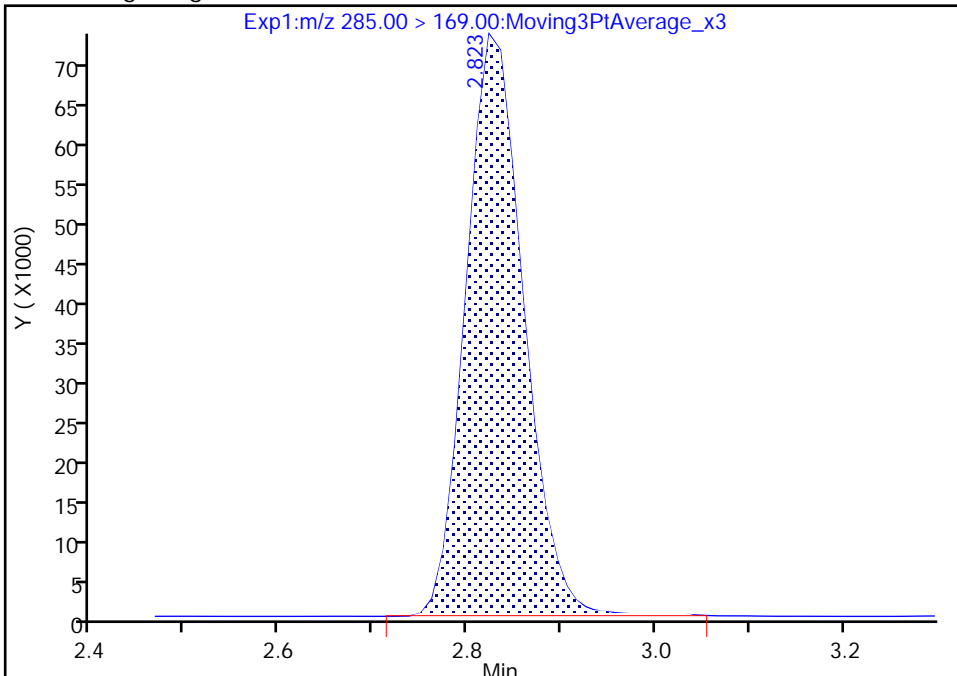
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

67 Perfluoro(2-propoxypropanoic) ac, CAS: 13252-13-6

Signal: 1

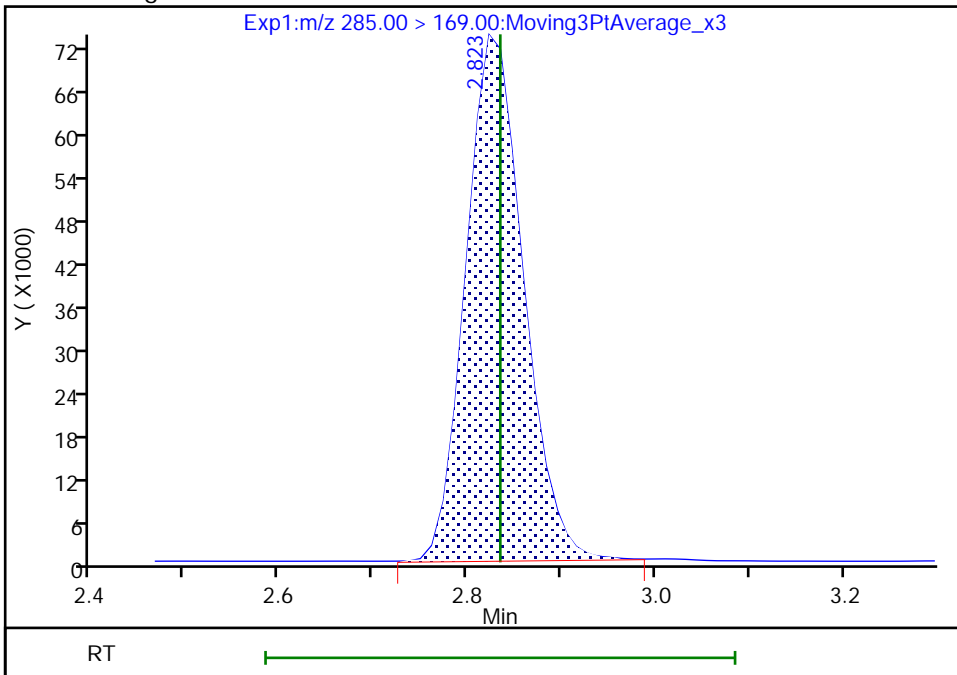
RT: 2.82
Area: 314007
Amount: 0.934494
Amount Units: ng/ml

Processing Integration Results



RT: 2.82
Area: 313558
Amount: 0.933157
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:31:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

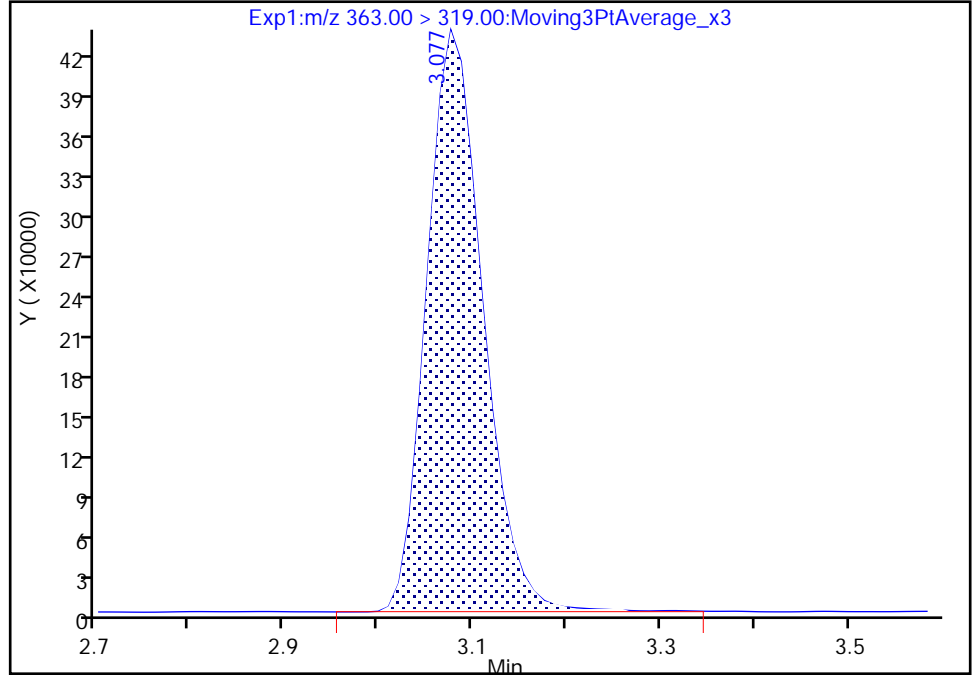
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

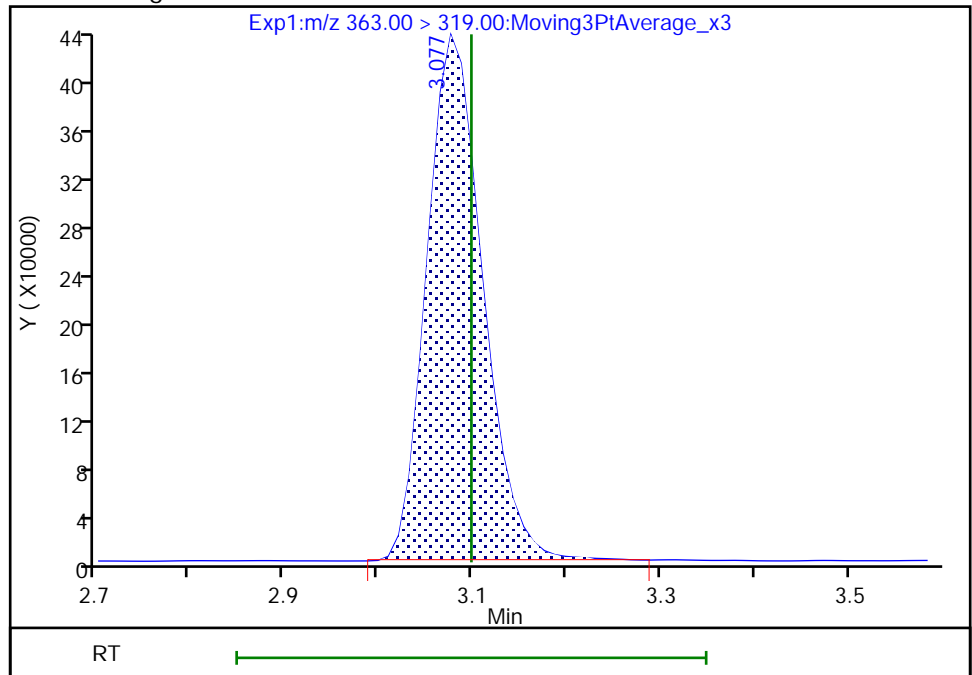
RT: 3.08
Area: 1812909
Amount: 0.940888
Amount Units: ng/ml

Processing Integration Results



RT: 3.08
Area: 1805263
Amount: 0.936920
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:31:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 570 of 939

Eurofins Burlington

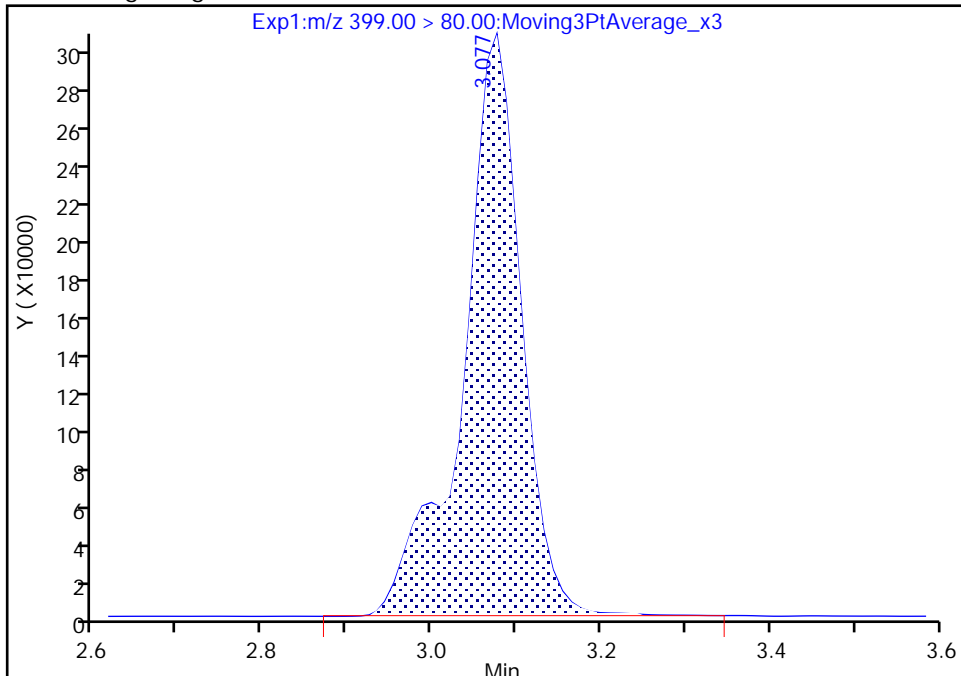
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

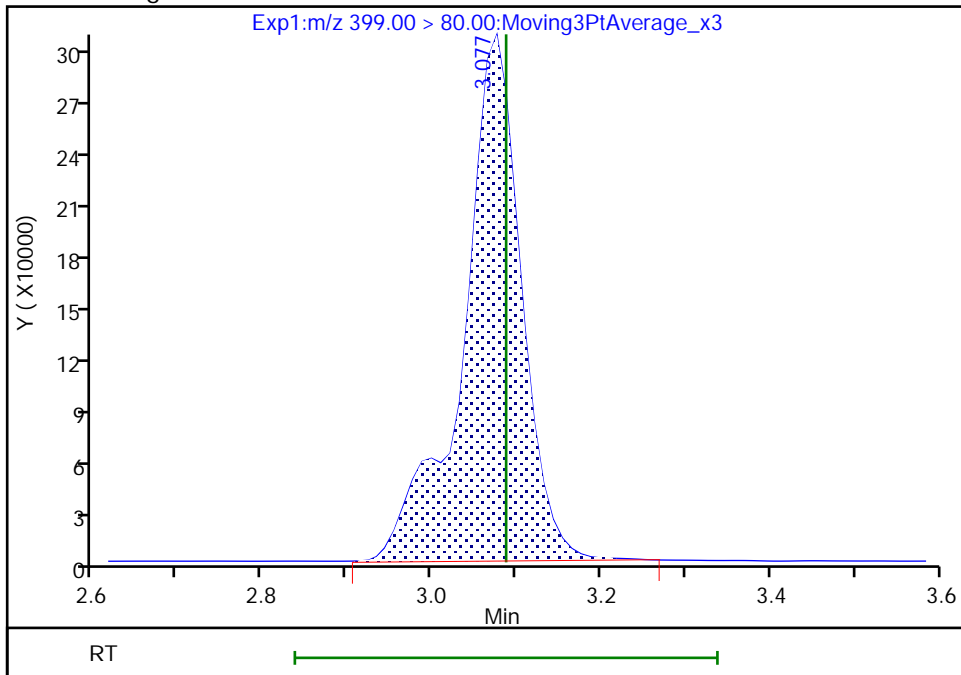
RT: 3.08
Area: 1459231
Amount: 0.890463
Amount Units: ng/ml

Processing Integration Results



RT: 3.08
Area: 1453818
Amount: 0.887160
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:31:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 571 of 939

Eurofins Burlington

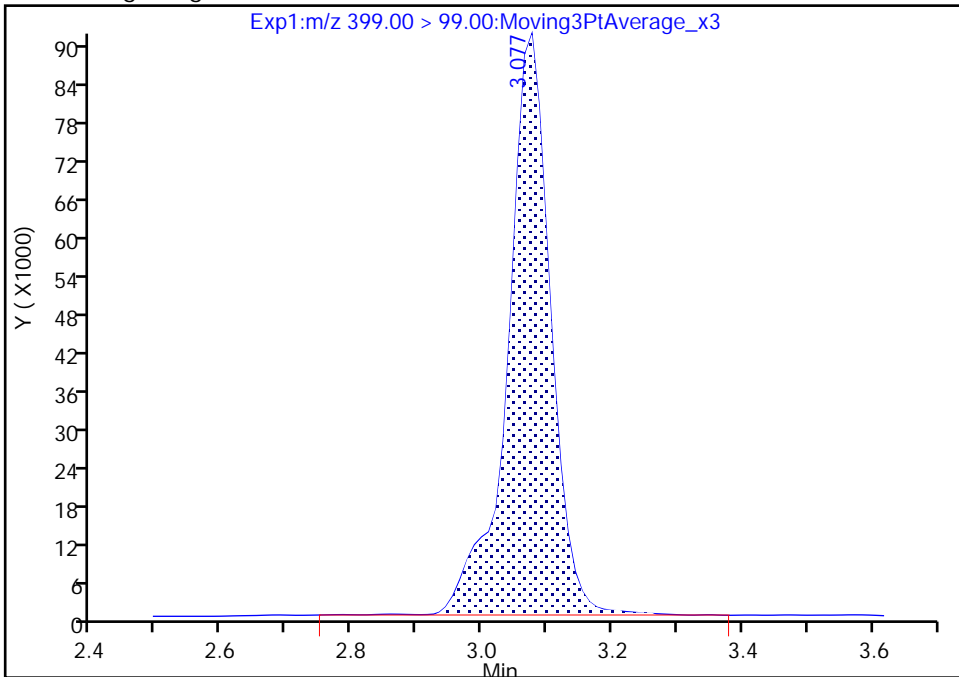
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

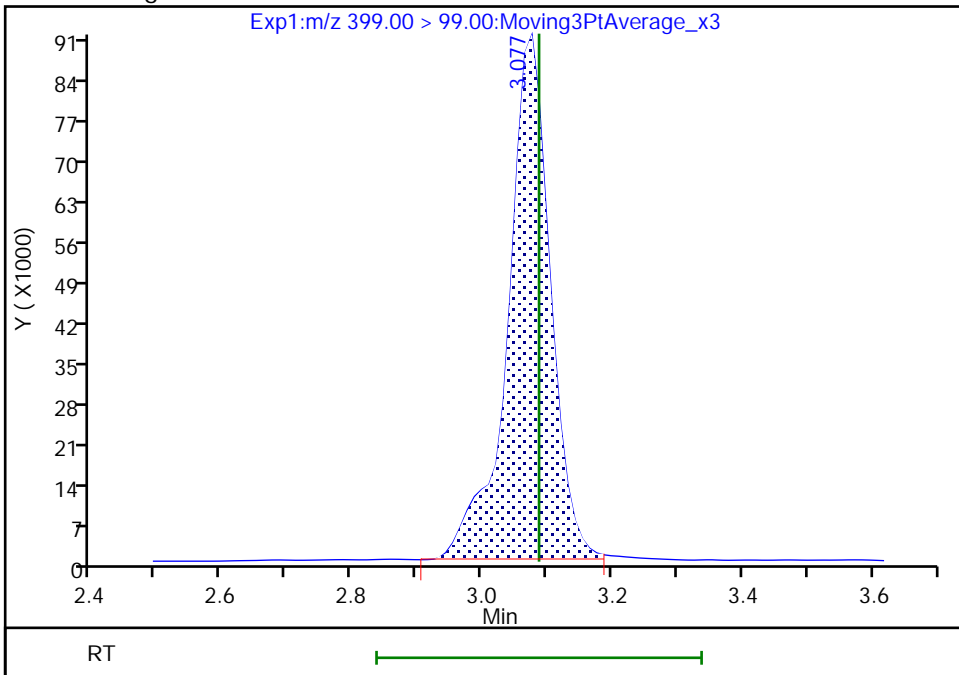
RT: 3.08
Area: 419094
Amount: 0.890463
Amount Units: ng/ml

Processing Integration Results



RT: 3.08
Area: 414229
Amount: 0.887160
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:31:30

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 572 of 939

Eurofins Burlington

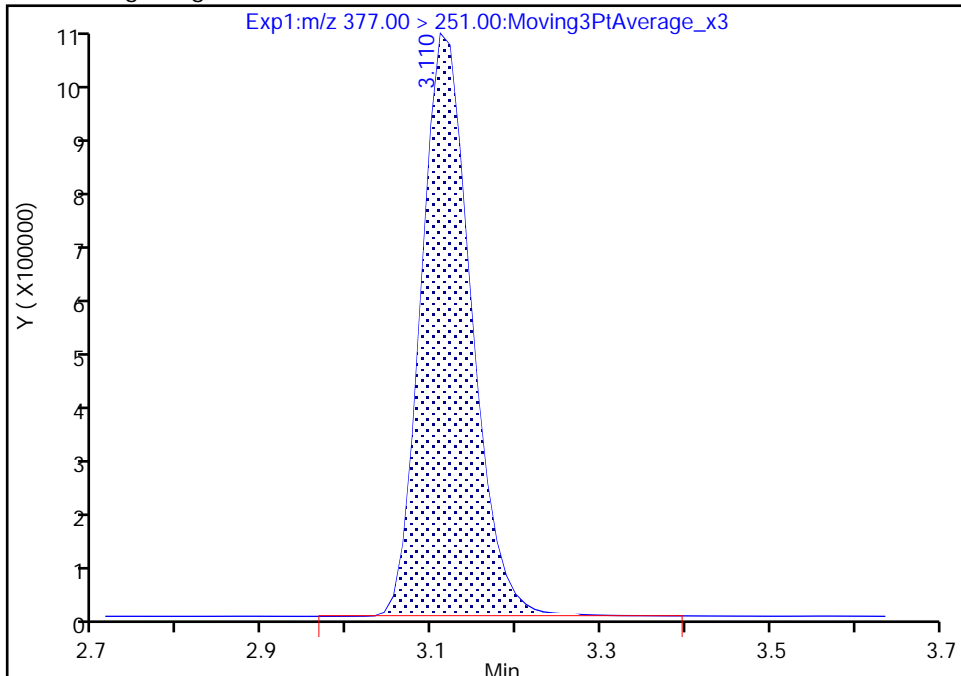
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 1

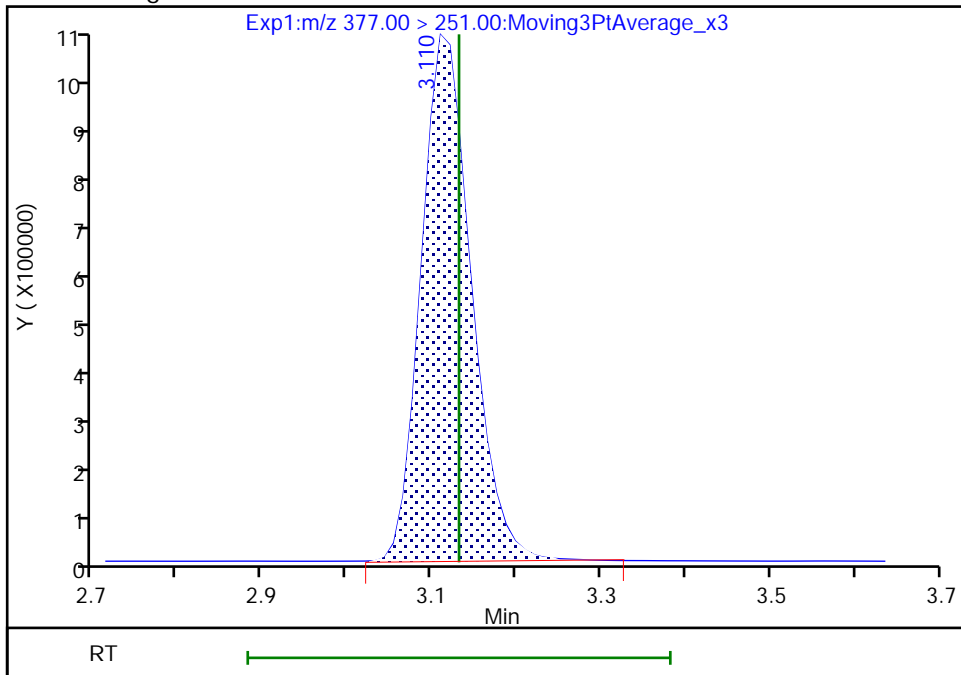
RT: 3.11
Area: 4501442
Amount: 0.811849
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 4491385
Amount: 0.810035
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:31:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

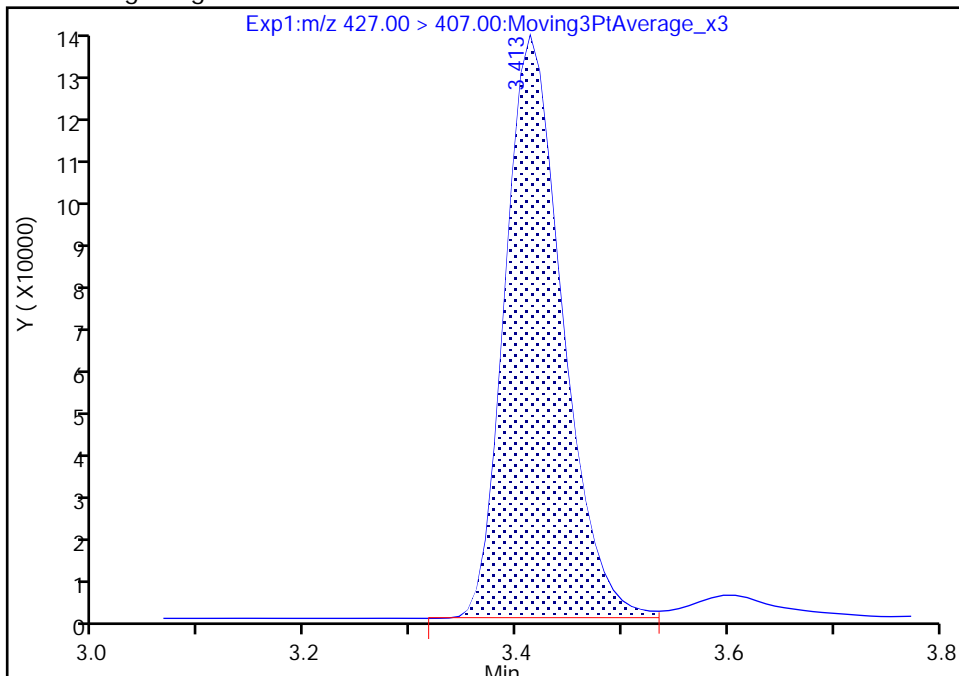
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

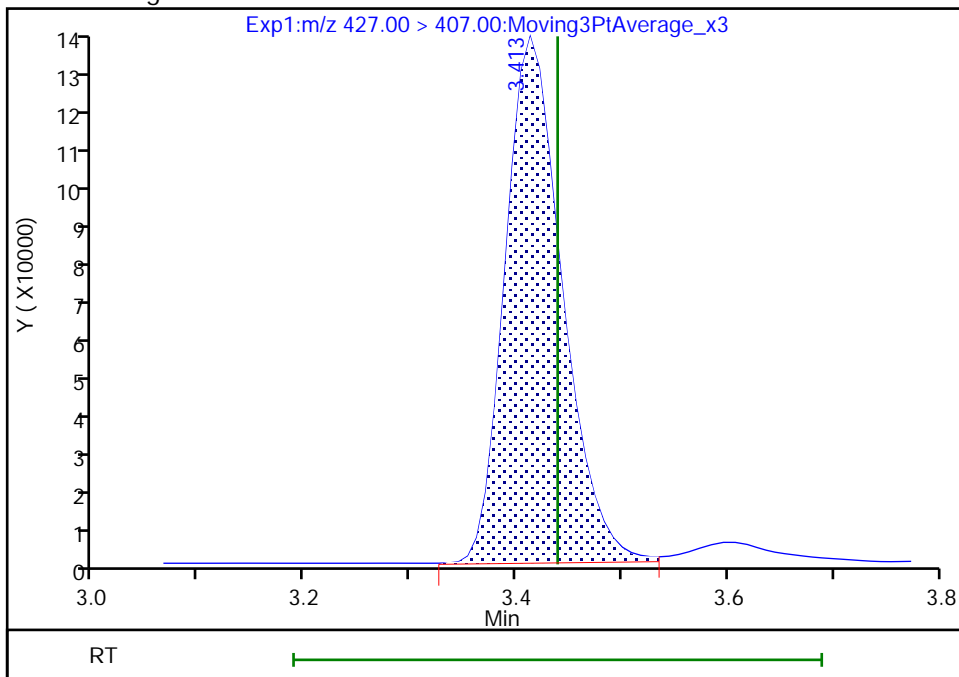
RT: 3.41
Area: 503375
Amount: 0.951038
Amount Units: ng/ml

Processing Integration Results



RT: 3.41
Area: 502965
Amount: 0.950254
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:31:53
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

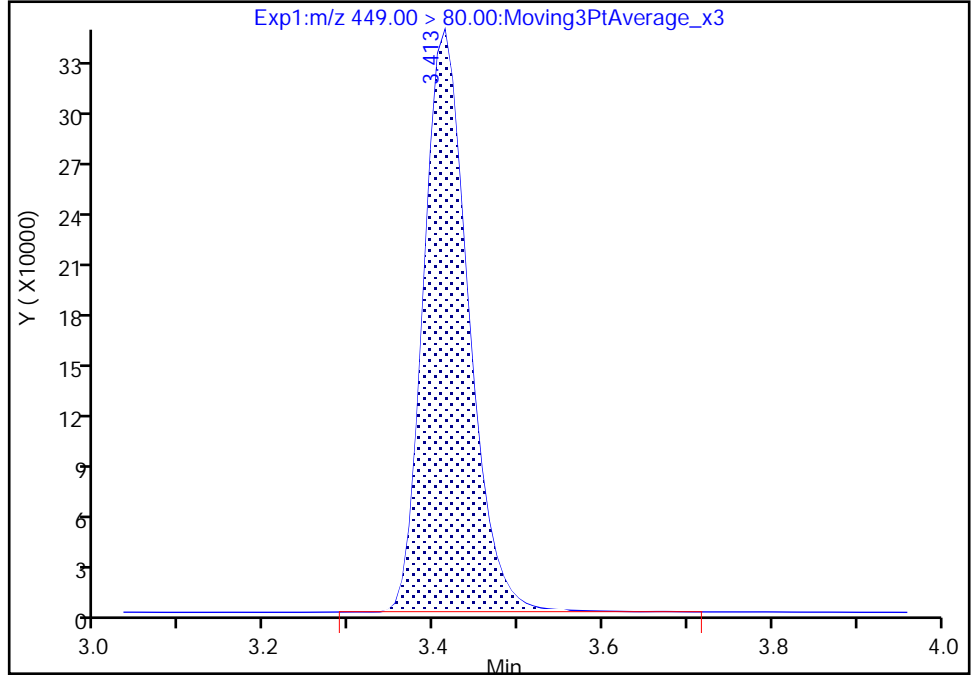
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

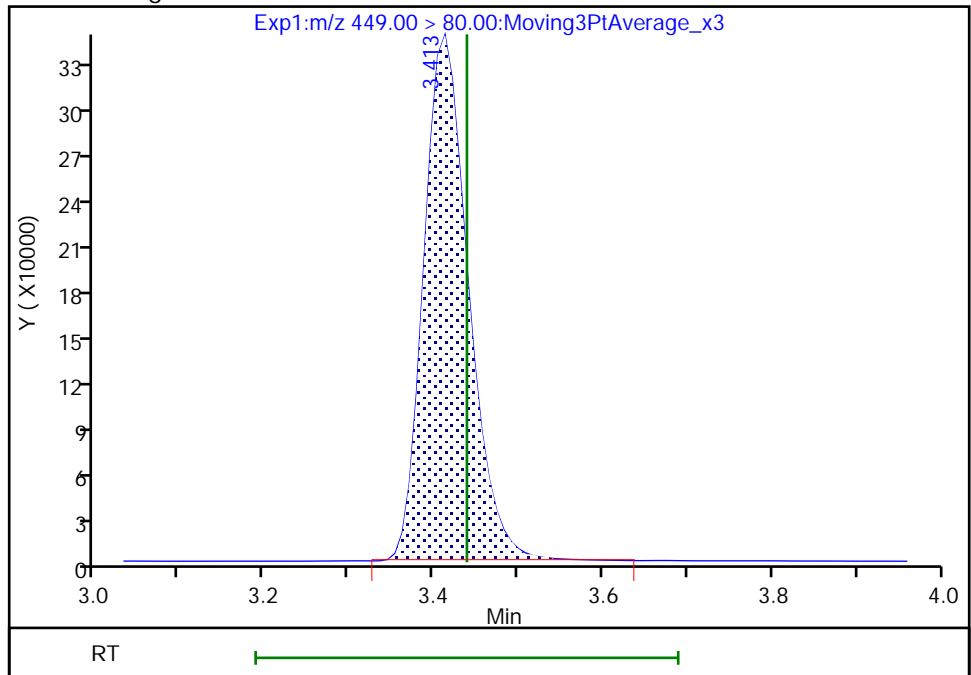
RT: 3.41
Area: 1285362
Amount: 0.914032
Amount Units: ng/ml

Processing Integration Results



RT: 3.41
Area: 1282985
Amount: 0.912341
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:31:59
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

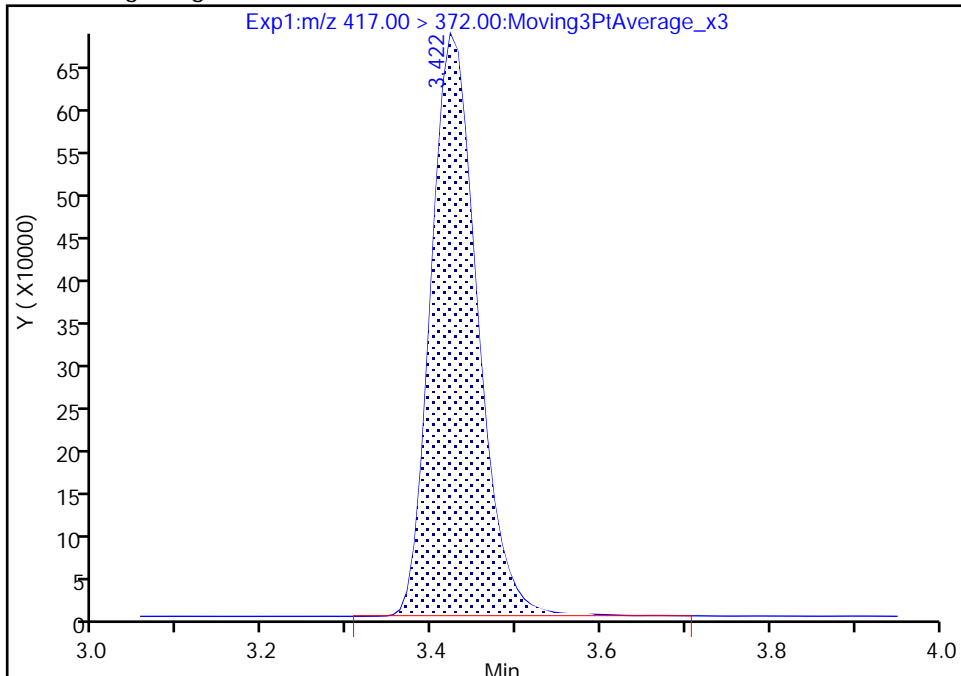
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

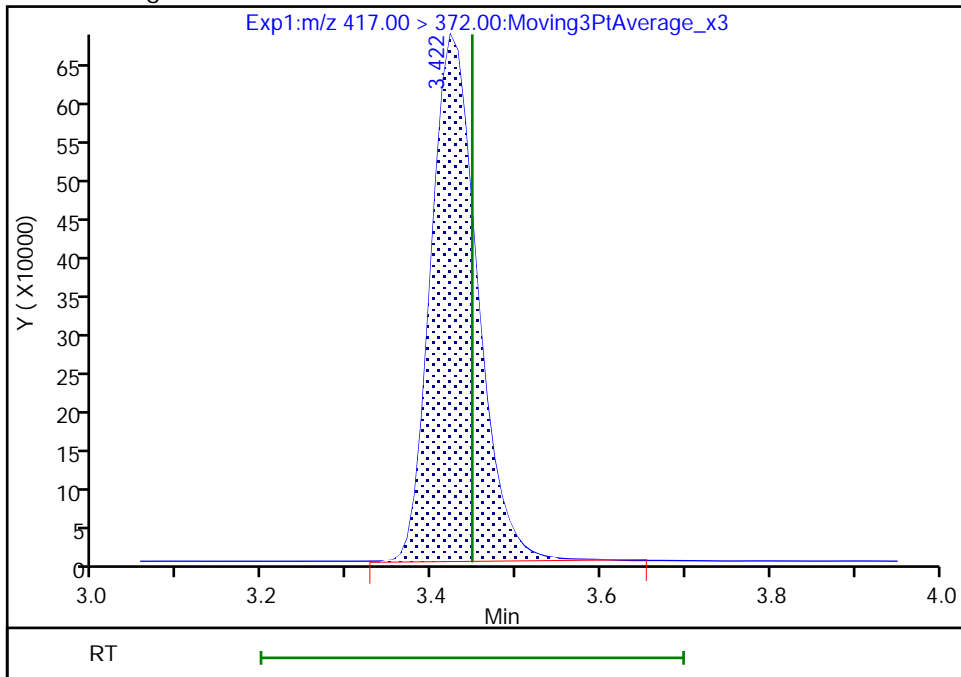
RT: 3.42
Area: 2611268
Amount: 1.239660
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 2606173
Amount: 1.237242
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:26:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 576 of 939

Eurofins Burlington

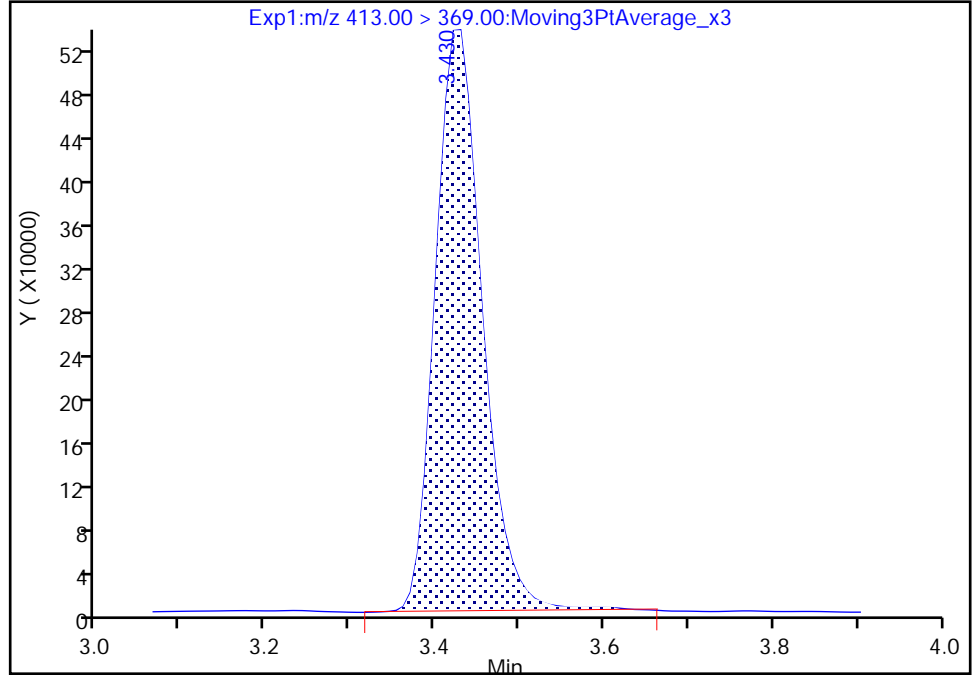
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

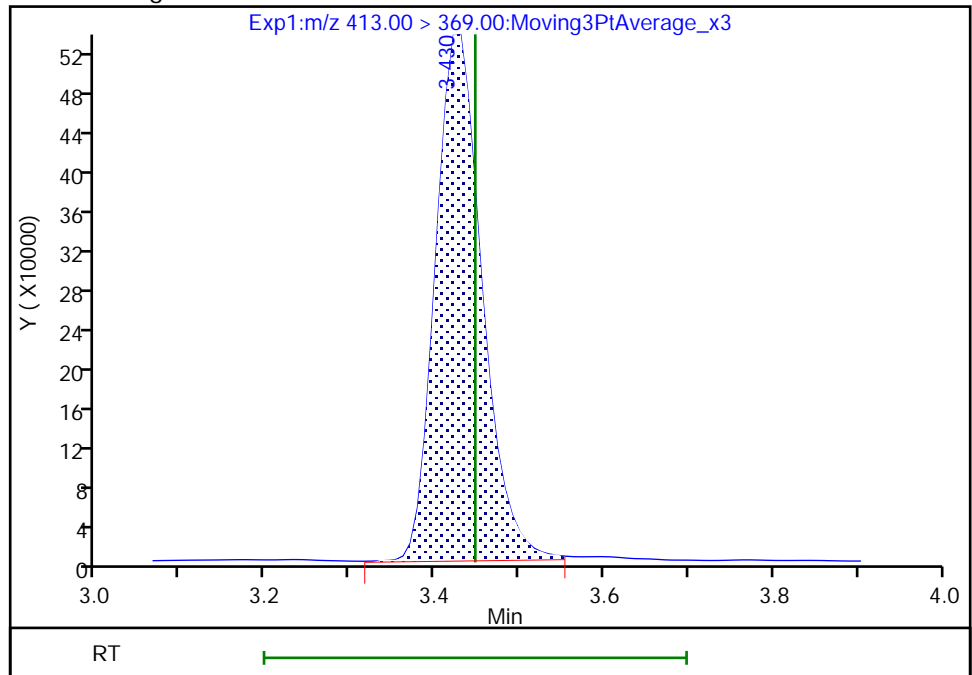
RT: 3.43
Area: 2048484
Amount: 0.919065
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 2038192
Amount: 0.914448
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:32:14
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

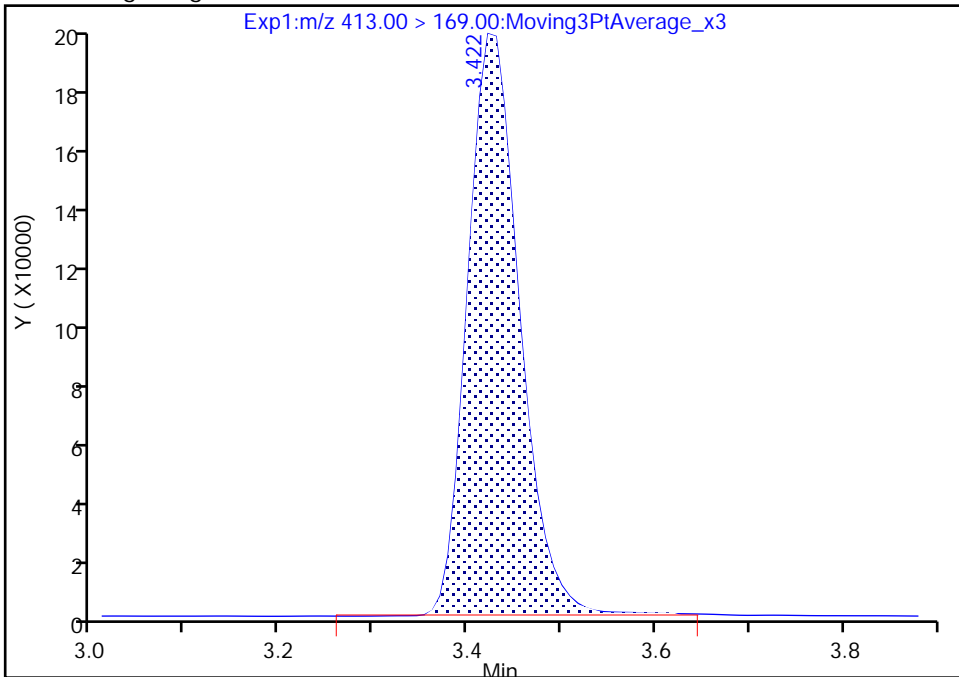
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

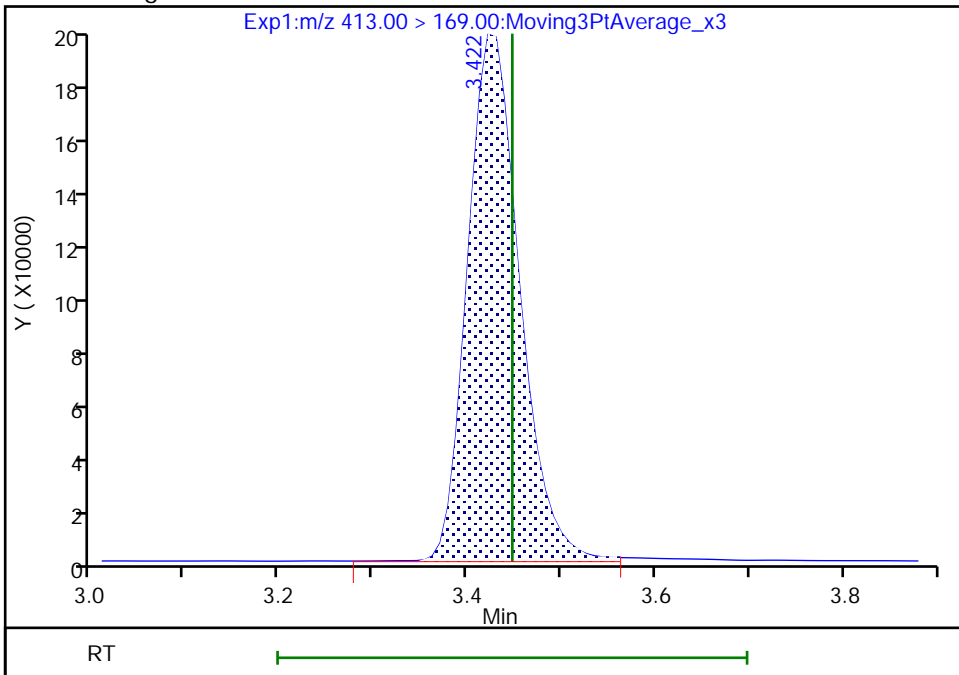
RT: 3.42
Area: 760150
Amount: 0.919065
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 761402
Amount: 0.914448
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:32:16

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

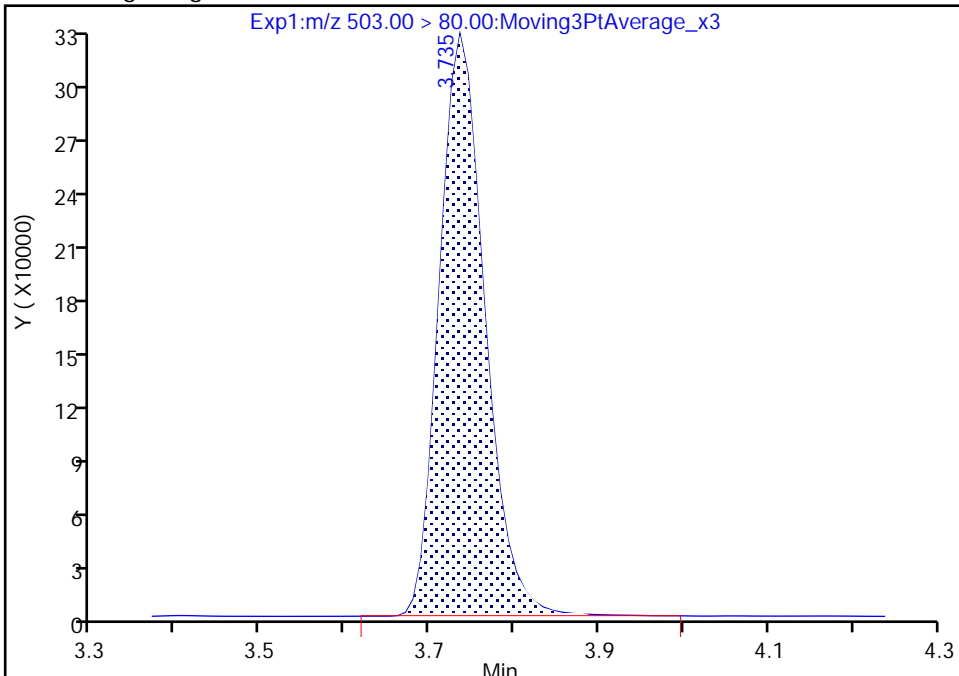
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 18 13C4 PFOS, CAS: STL00991

Signal: 1

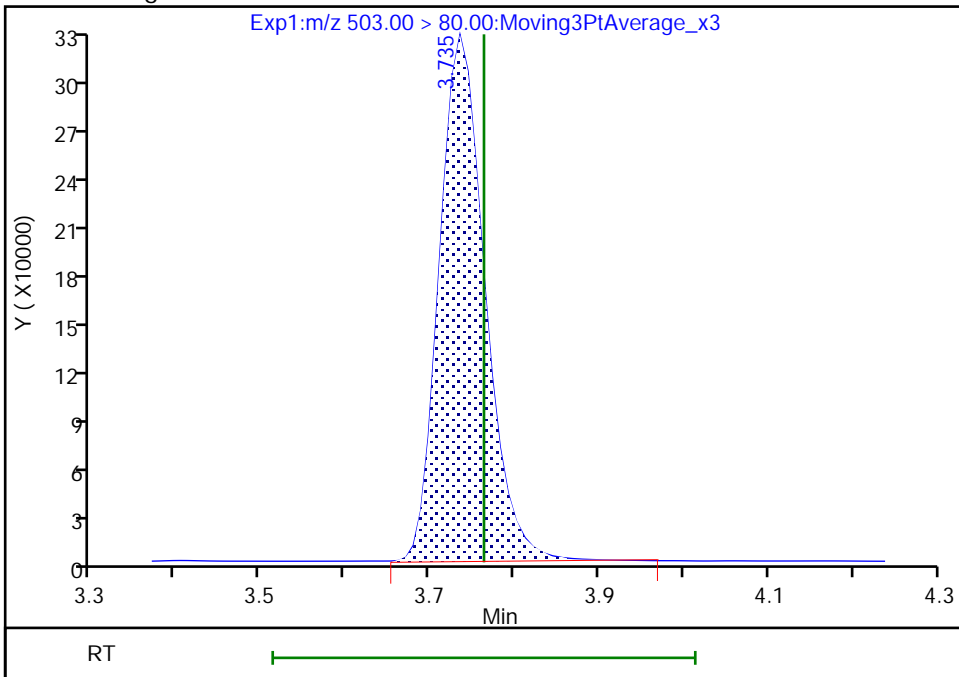
RT: 3.74
Area: 1204053
Amount: 1.289574
Amount Units: ng/ml

Processing Integration Results



RT: 3.74
Area: 1203159
Amount: 1.288616
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:27:03
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

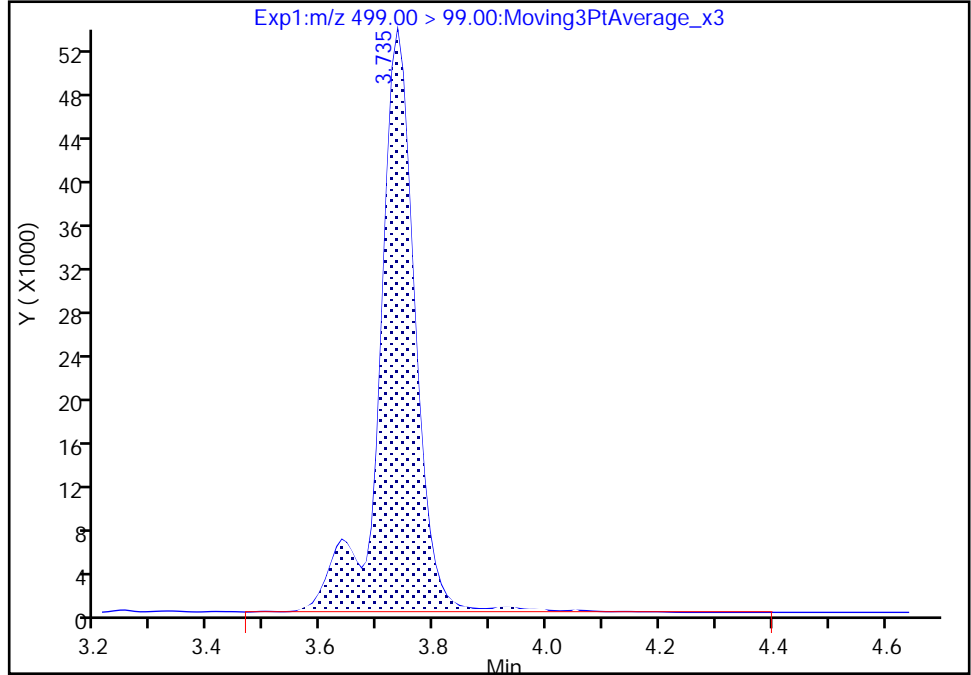
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

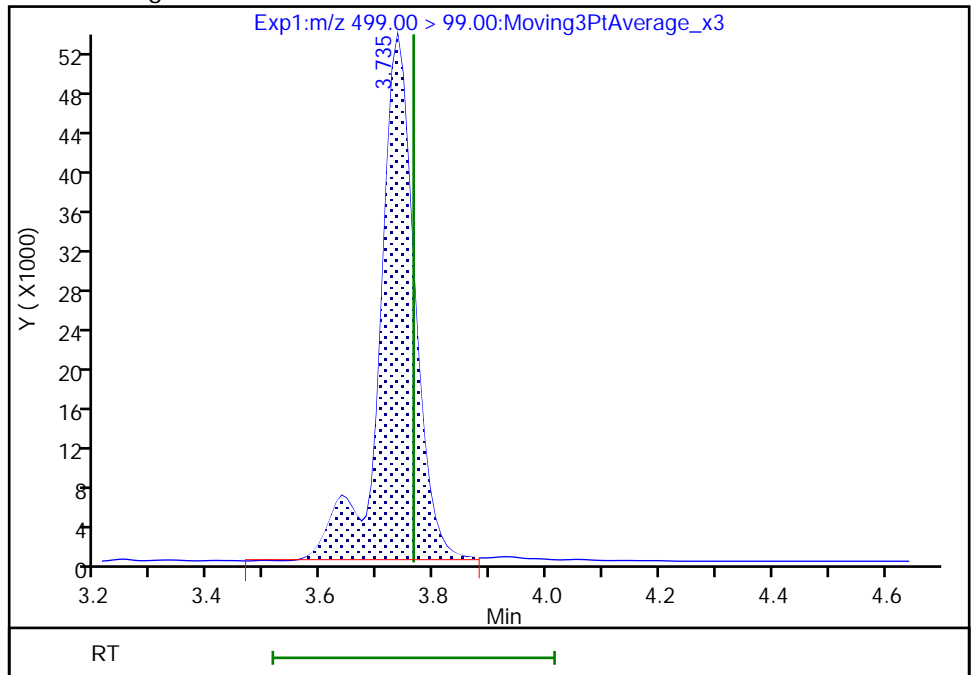
RT: 3.74
Area: 238618
Amount: 0.874717
Amount Units: ng/ml

Processing Integration Results



RT: 3.74
Area: 233087
Amount: 0.854950
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:32:37
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

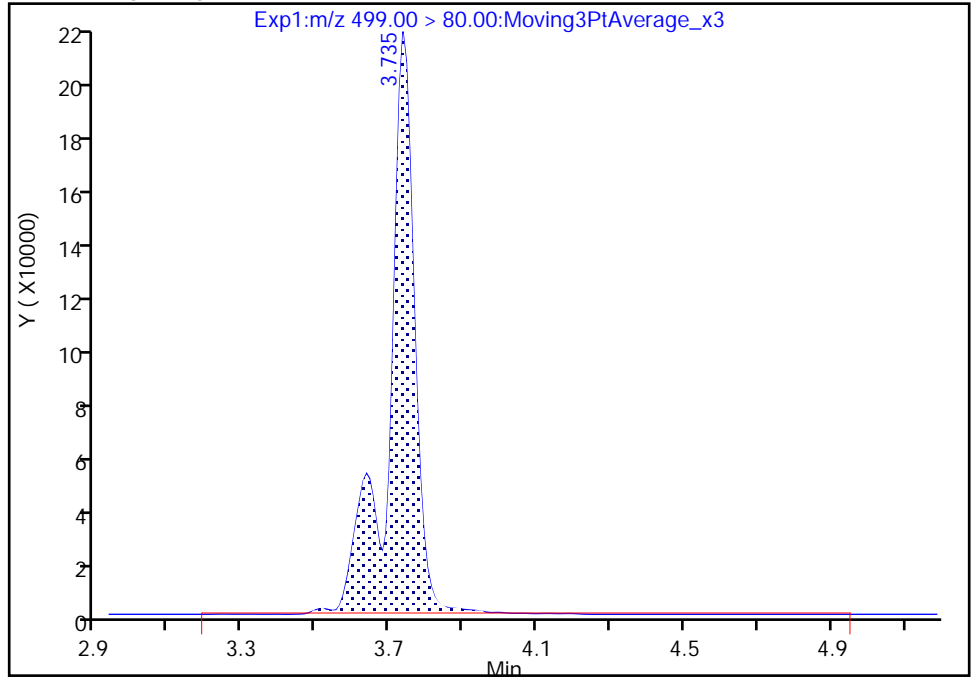
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

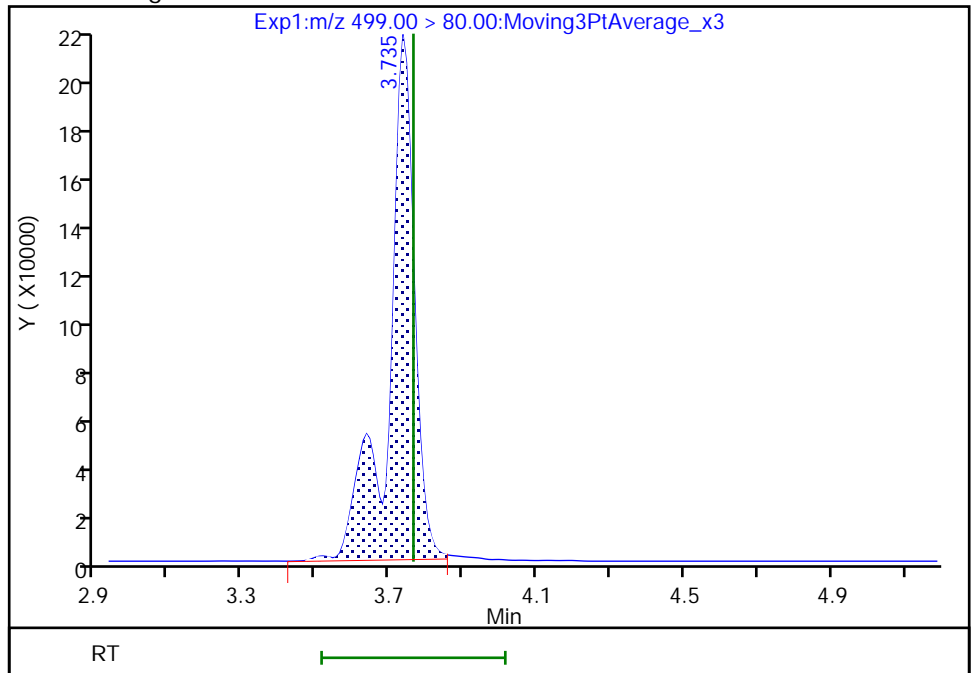
RT: 3.74
Area: 1071041
Amount: 0.874717
Amount Units: ng/ml

Processing Integration Results



RT: 3.74
Area: 1046838
Amount: 0.854950
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Dec-2022 11:32:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

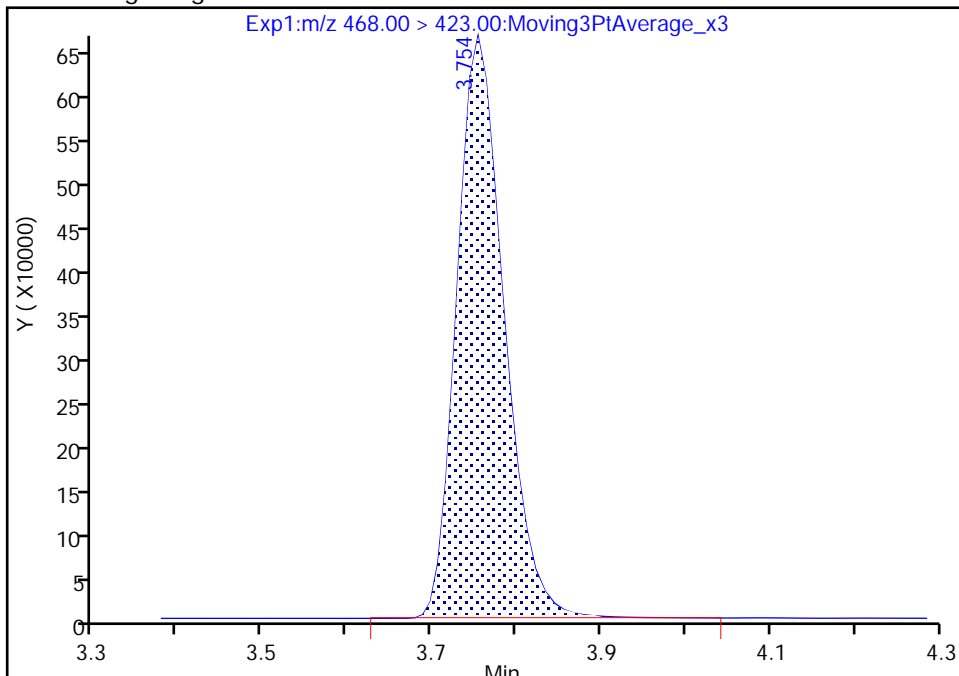
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

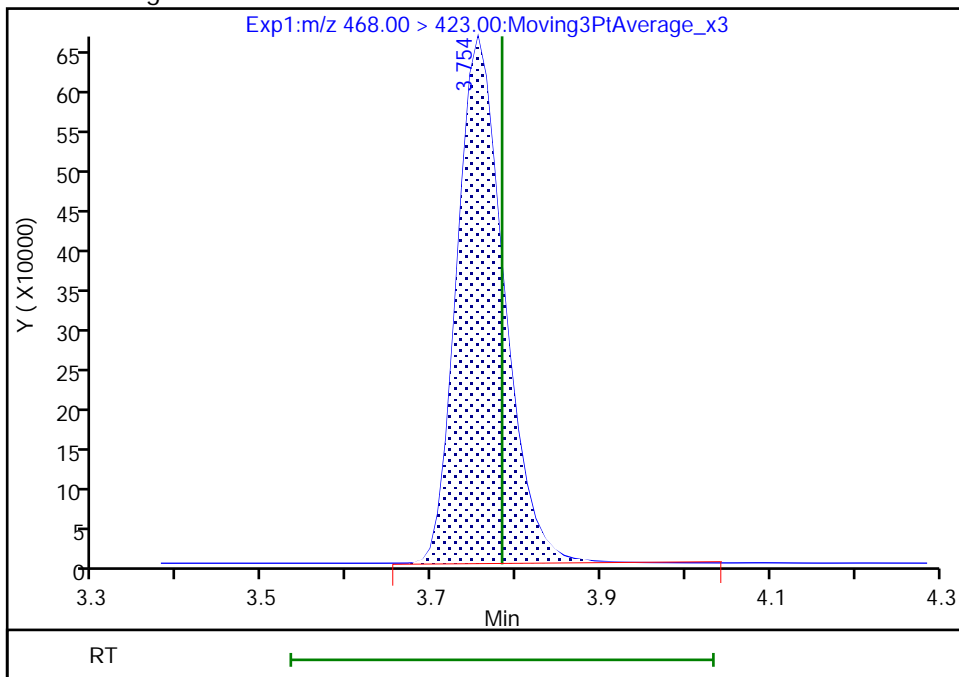
RT: 3.75
Area: 2585073
Amount: 1.262874
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 2580634
Amount: 1.260705
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:27:14
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

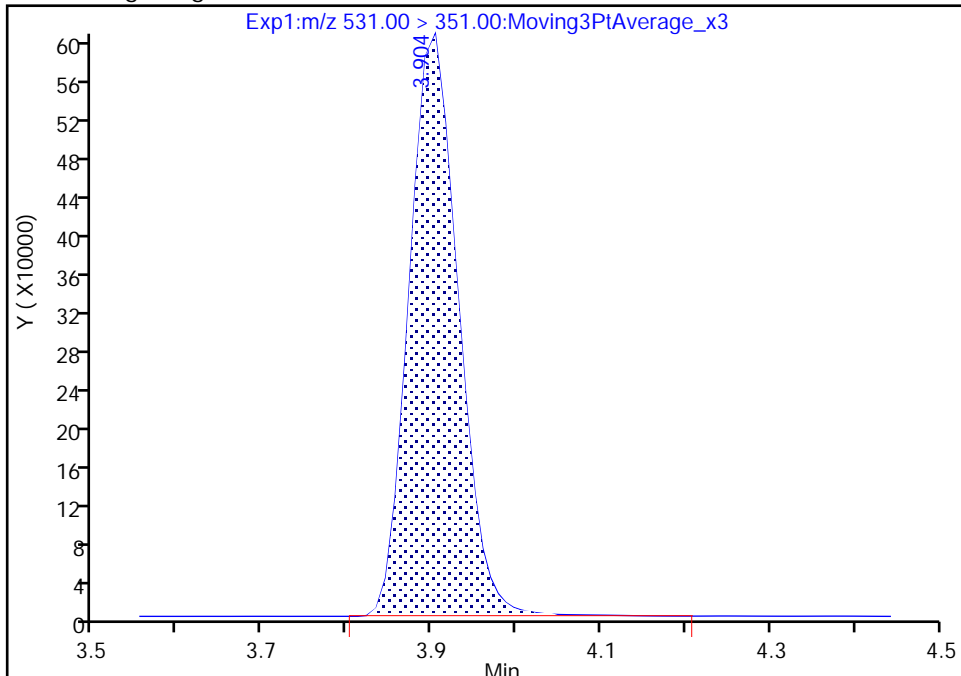
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

69 9-Chlorohexadecafluoro-3-oxanona, CAS: 756426-58-1

Signal: 1

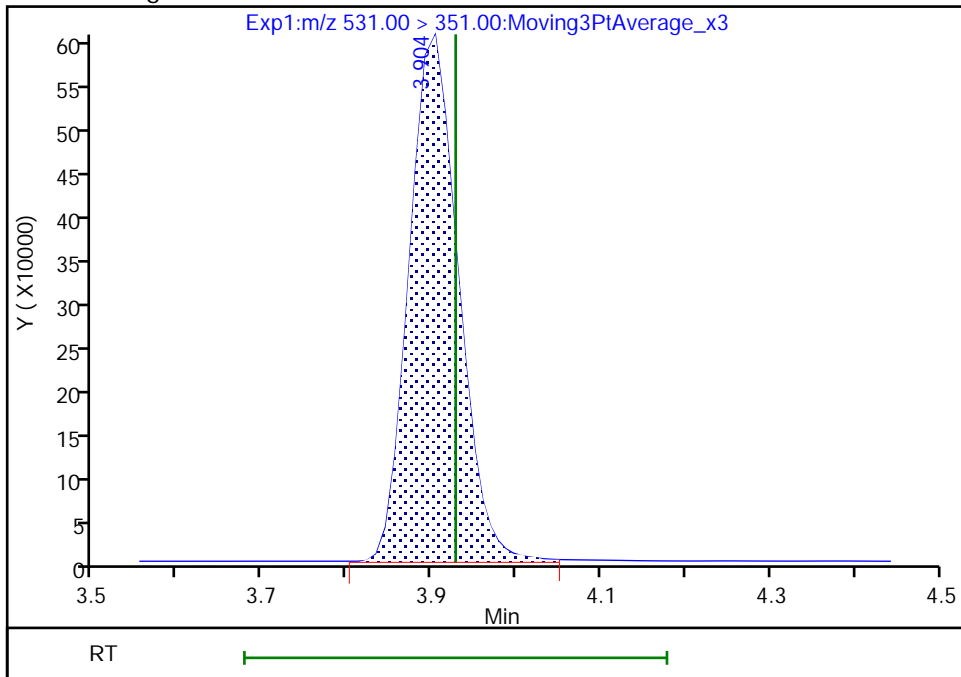
RT: 3.90
Area: 2446159
Amount: 0.870451
Amount Units: ng/ml

Processing Integration Results



RT: 3.90
Area: 2439541
Amount: 0.868096
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:32:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

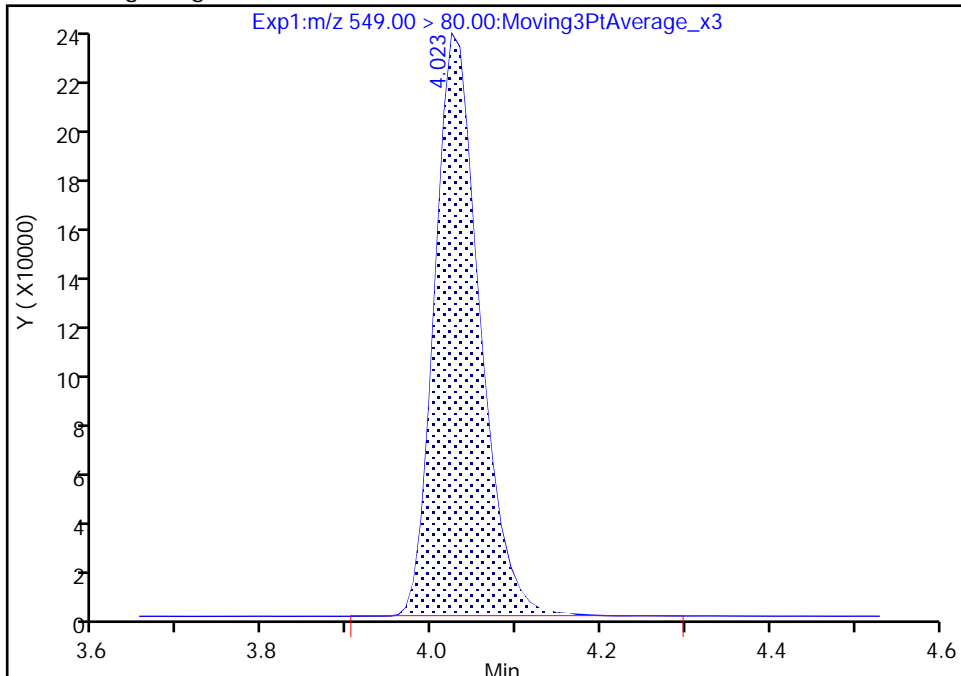
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 1

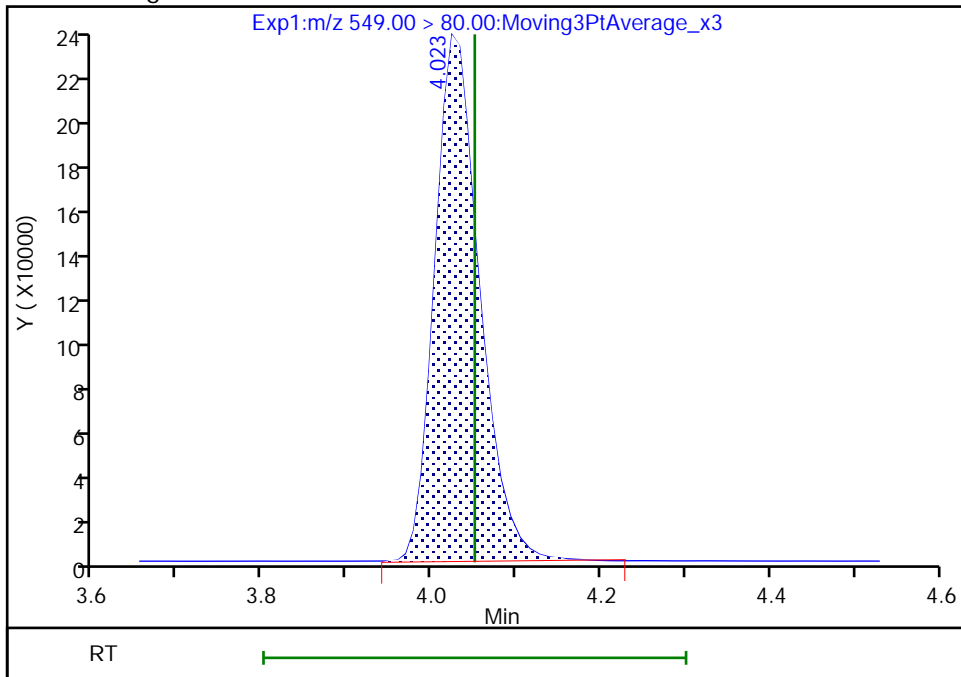
RT: 4.02
Area: 873011
Amount: 0.944638
Amount Units: ng/ml

Processing Integration Results



RT: 4.02
Area: 871616
Amount: 0.943128
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:32:59
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

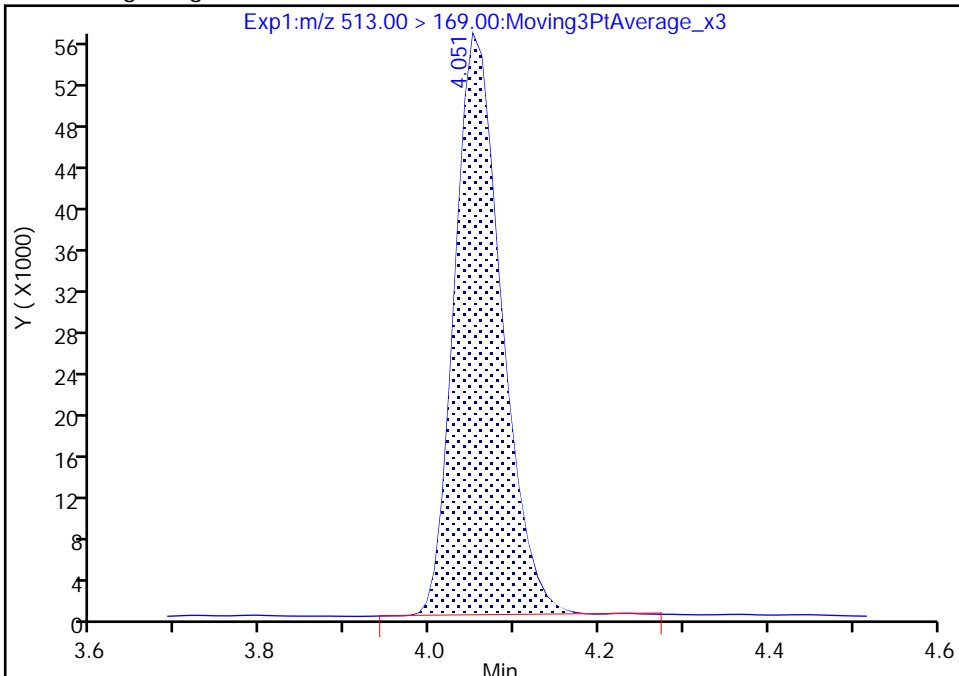
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

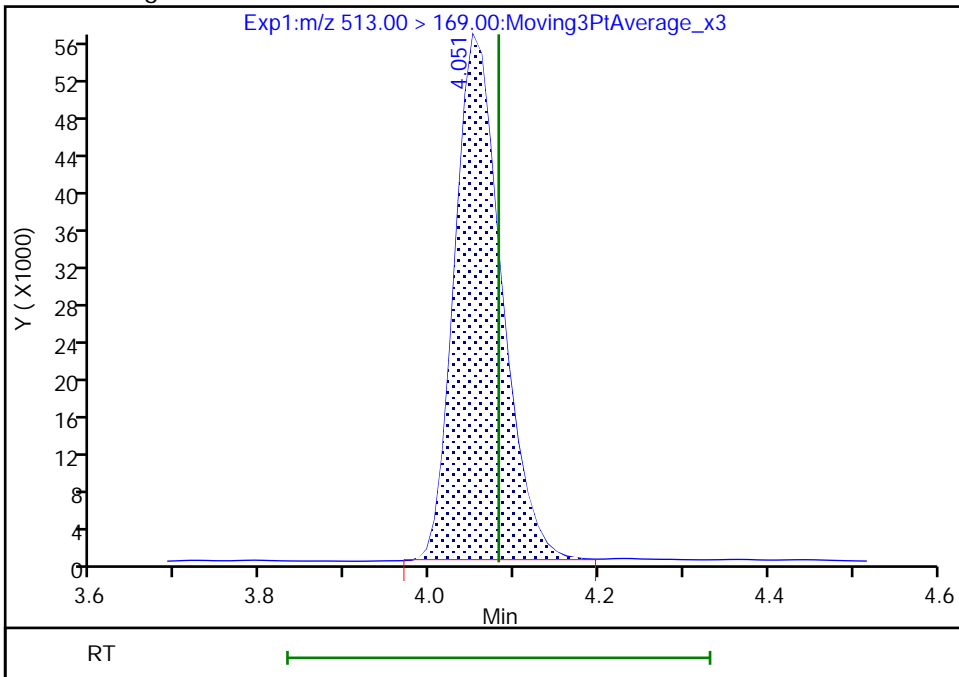
RT: 4.05
Area: 218794
Amount: 0.931228
Amount Units: ng/ml

Processing Integration Results



RT: 4.05
Area: 217962
Amount: 0.931228
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:33:07
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

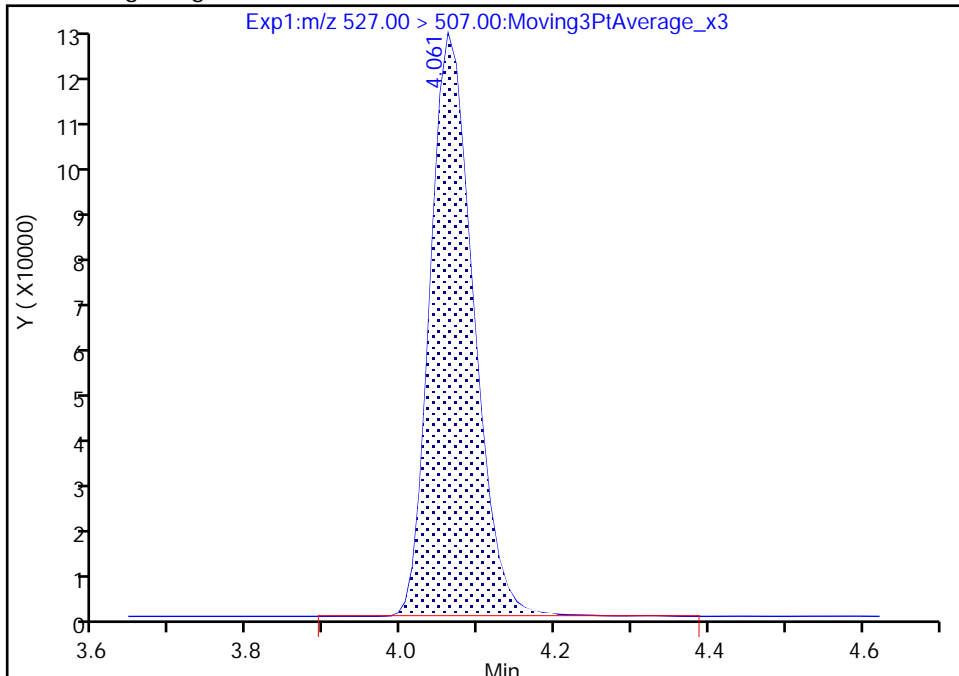
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

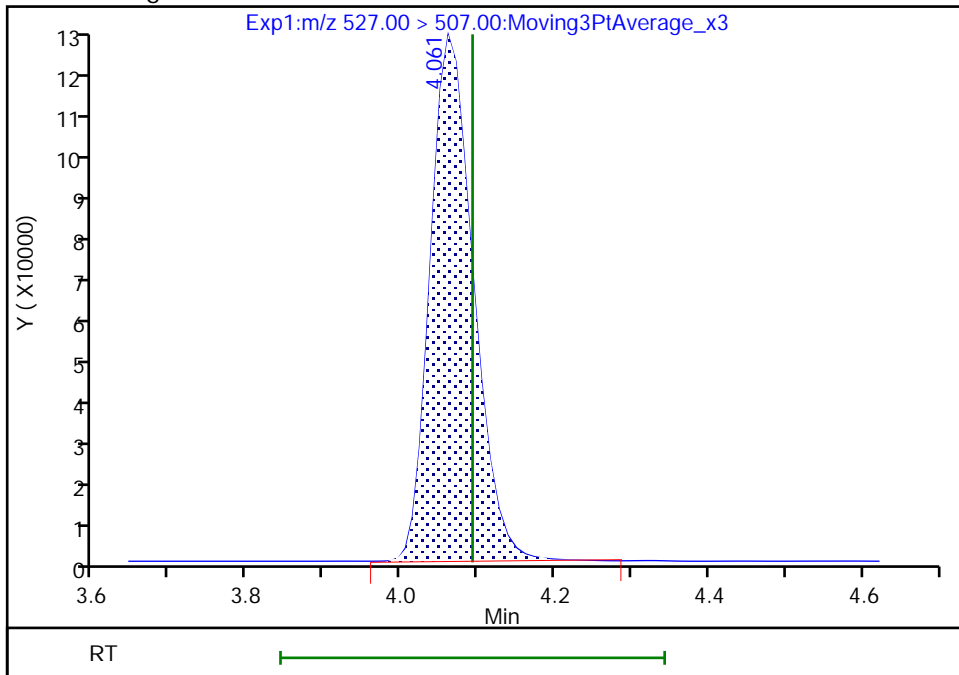
RT: 4.06
Area: 476322
Amount: 0.923084
Amount Units: ng/ml

Processing Integration Results



RT: 4.06
Area: 474688
Amount: 0.919917
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:33:13
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

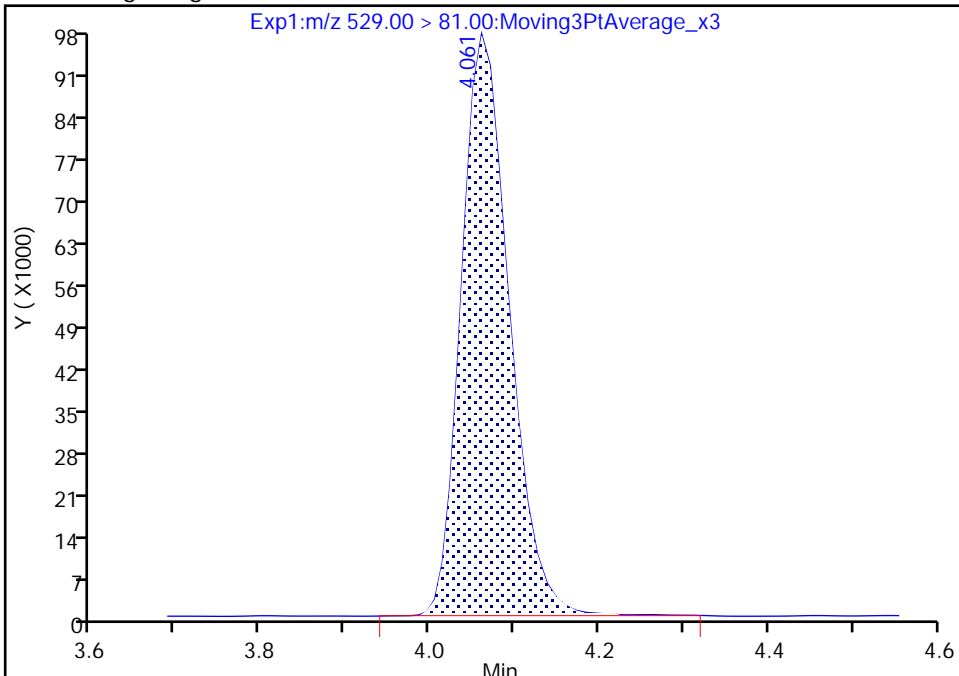
Data File:	\\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d		
Injection Date:	02-Dec-2022 13:14:09	Instrument ID:	LC812
Lims ID:	CCV L4		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	9

D 26 M2-8:2 FTS, CAS: STL02280

Signal: 1

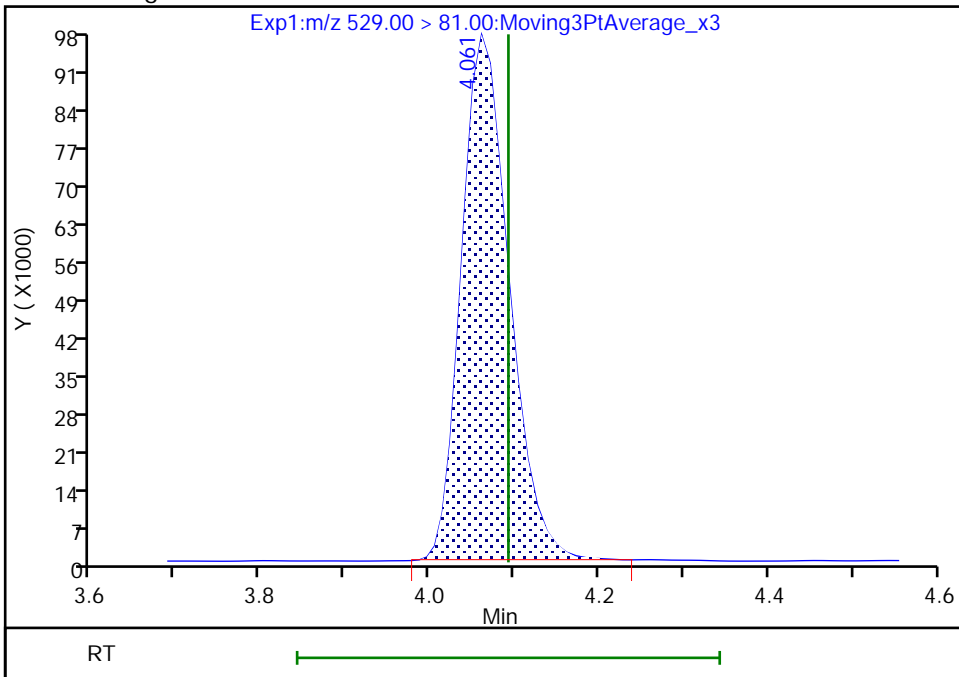
RT: 4.06
 Area: 383976
 Amount: 1.360482
 Amount Units: ng/ml

Processing Integration Results



RT: 4.06
 Area: 382136
 Amount: 1.353963
 Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:27:22
 Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

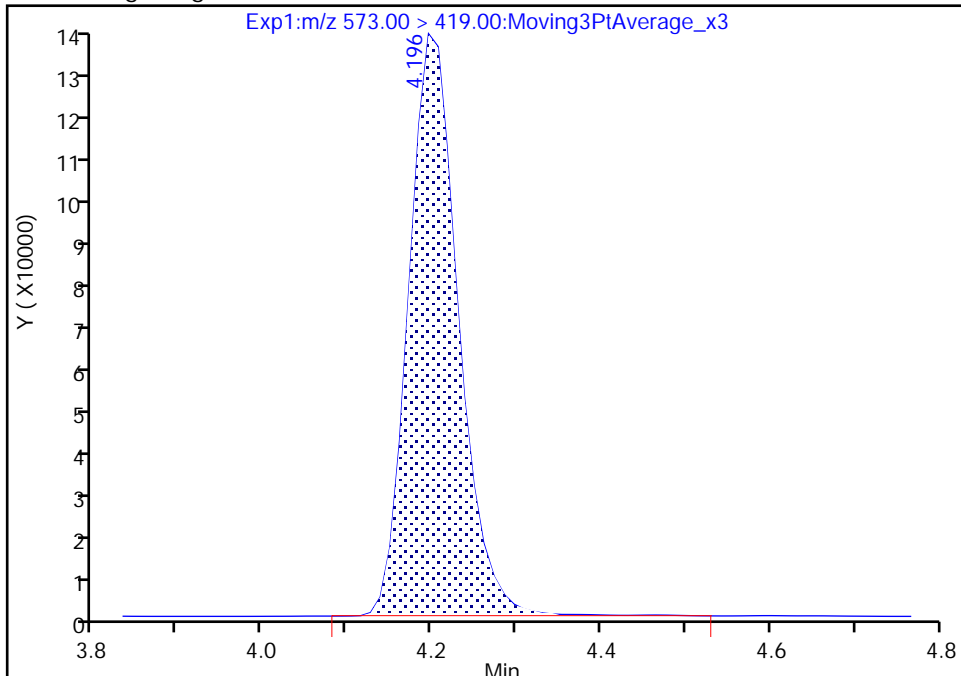
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

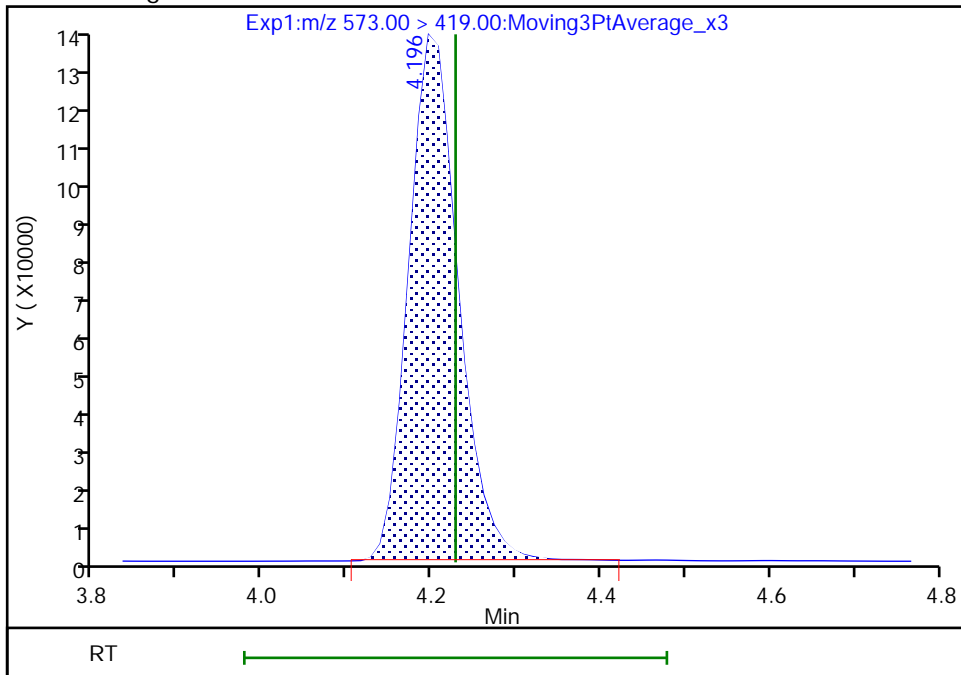
RT: 4.20
Area: 541744
Amount: 1.275551
Amount Units: ng/ml

Processing Integration Results



RT: 4.20
Area: 539377
Amount: 1.269978
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:27:30
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

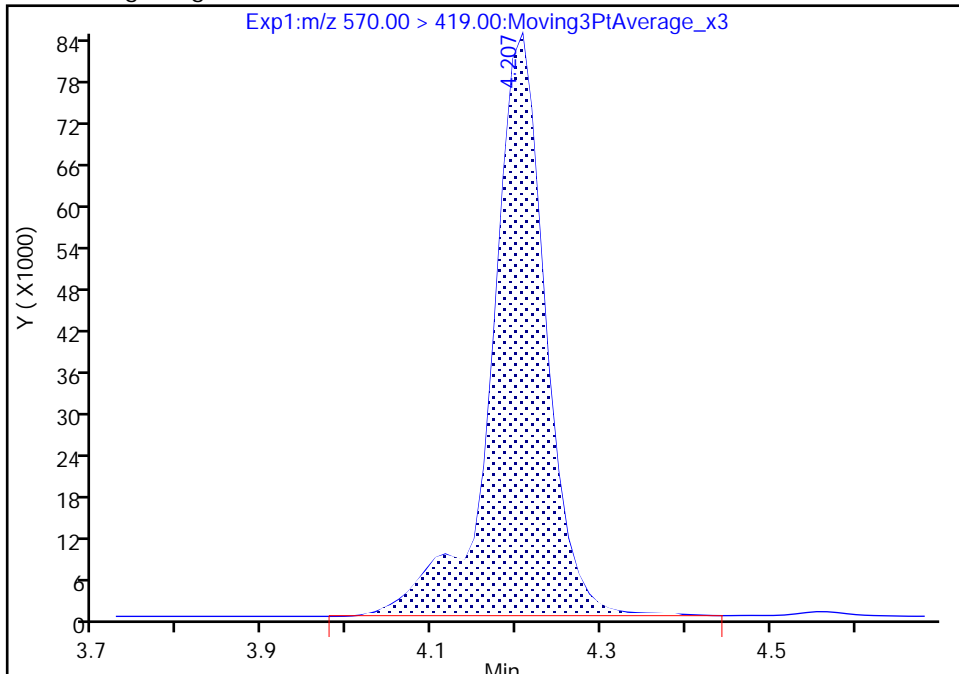
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

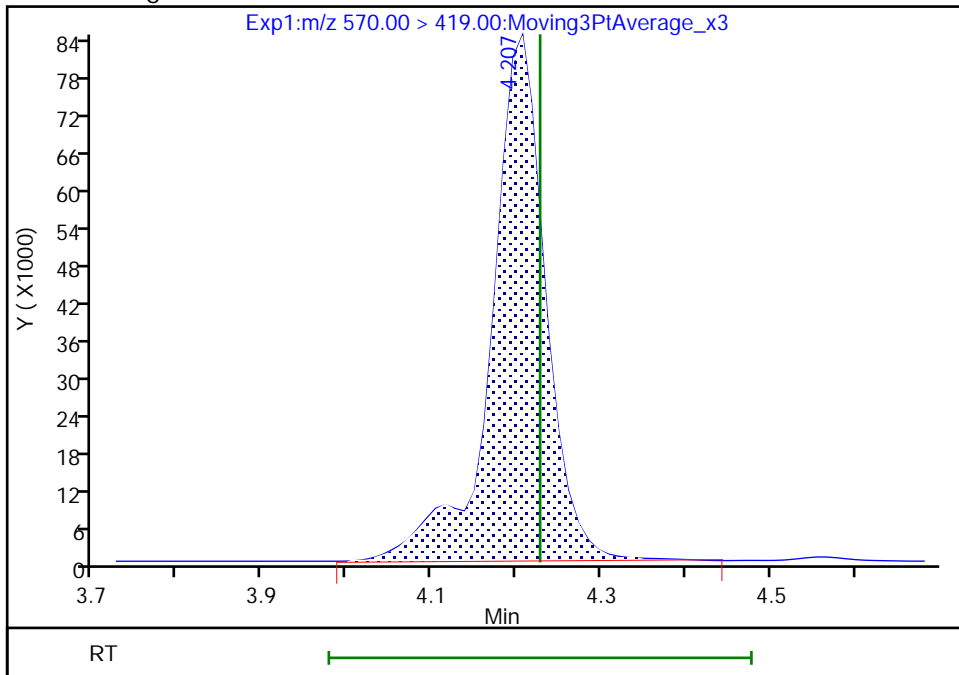
RT: 4.21
Area: 380219
Amount: 1.012679
Amount Units: ng/ml

Processing Integration Results



RT: 4.21
Area: 378742
Amount: 1.008700
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:33:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

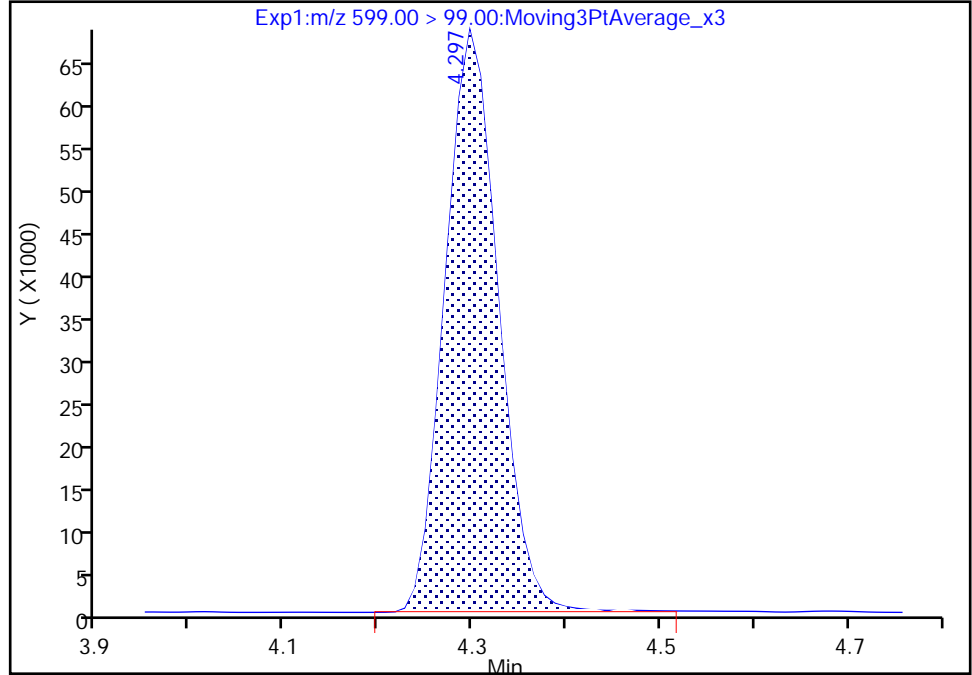
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

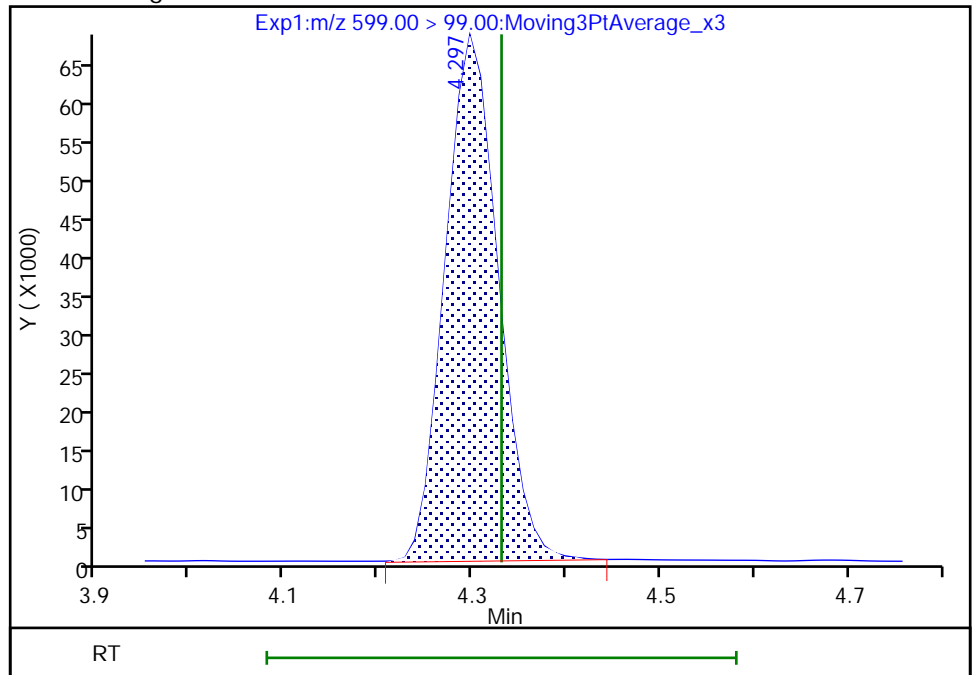
RT: 4.30
Area: 270138
Amount: 0.961004
Amount Units: ng/ml

Processing Integration Results



RT: 4.30
Area: 269020
Amount: 0.957104
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:33:28
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 590 of 939

Eurofins Burlington

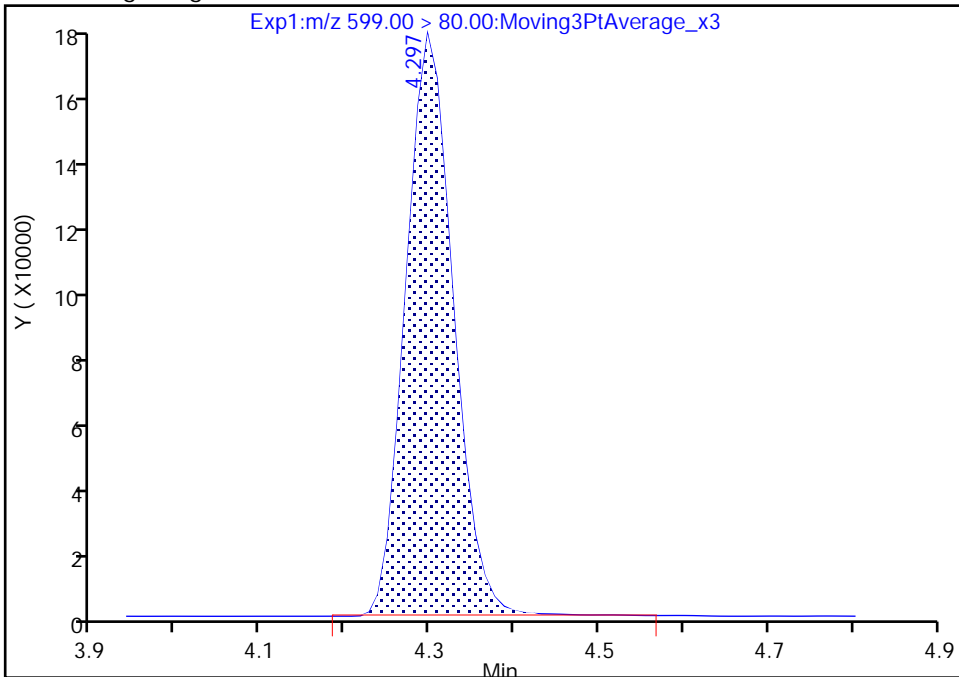
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

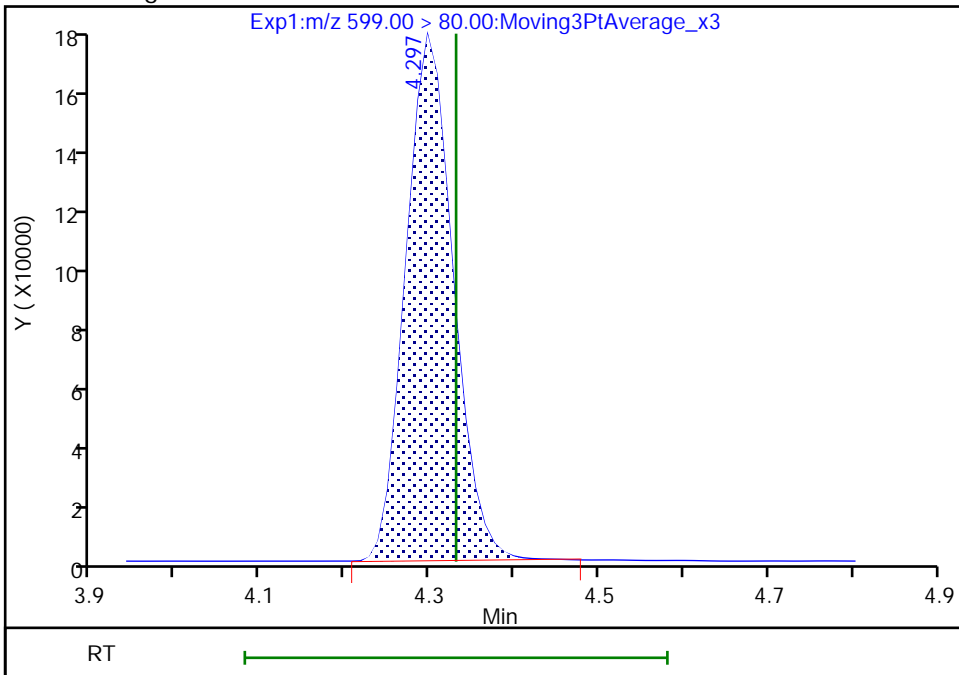
RT: 4.30
Area: 701261
Amount: 0.961004
Amount Units: ng/ml

Processing Integration Results



RT: 4.30
Area: 698415
Amount: 0.957104
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:33:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

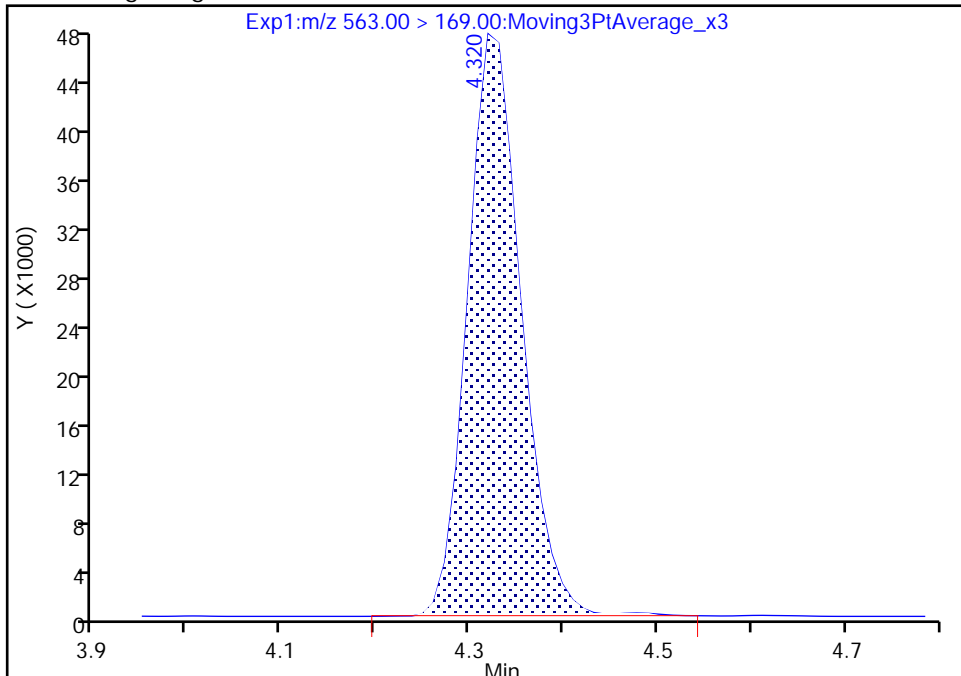
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

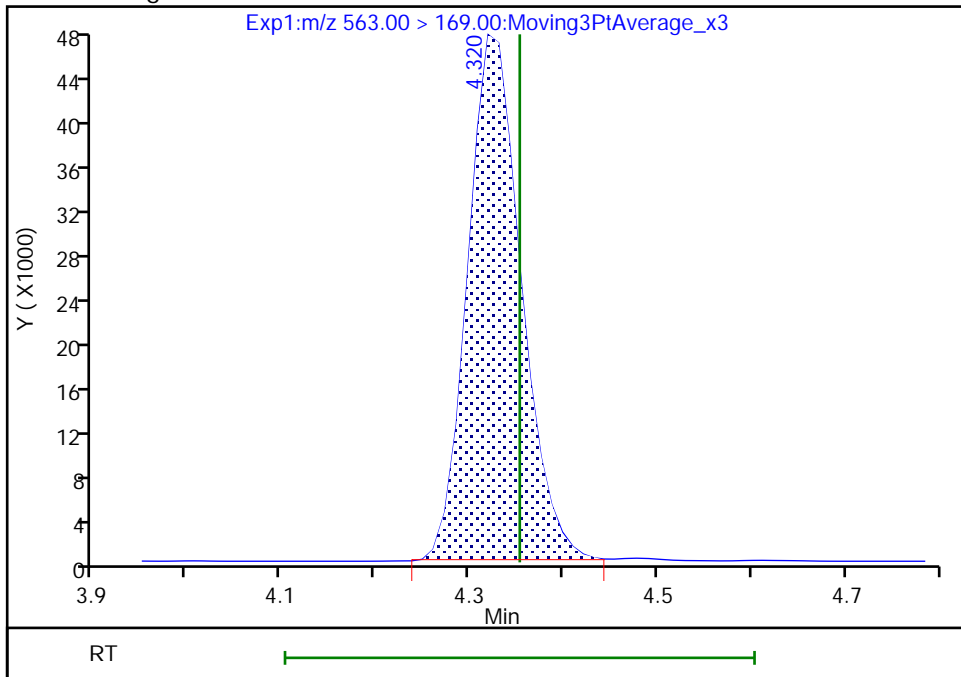
RT: 4.32
Area: 189846
Amount: 0.959380
Amount Units: ng/ml

Processing Integration Results



RT: 4.32
Area: 187873
Amount: 0.959380
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:33:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

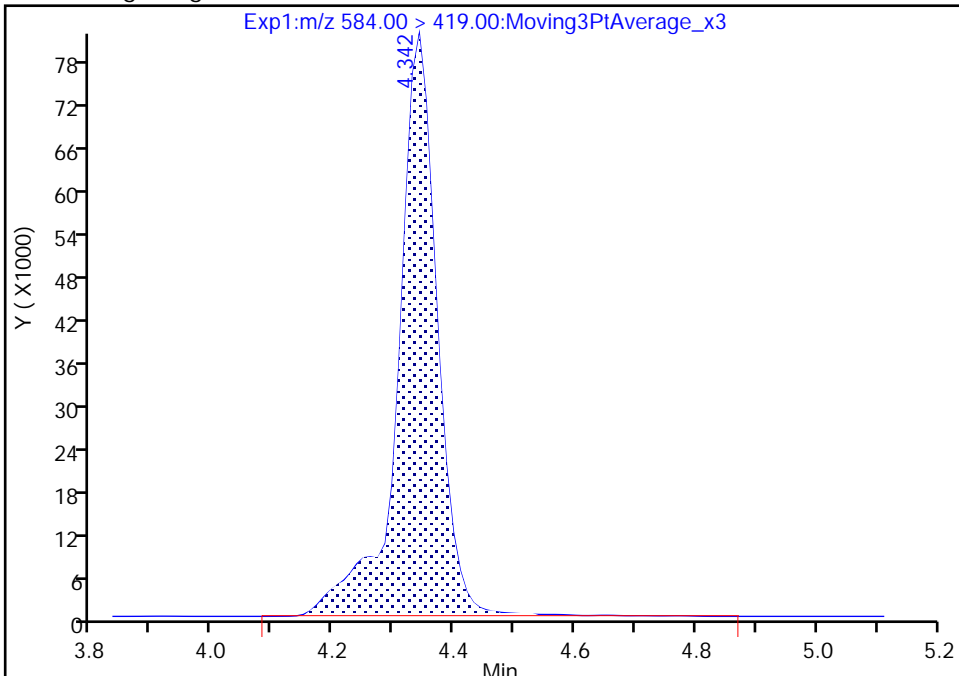
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

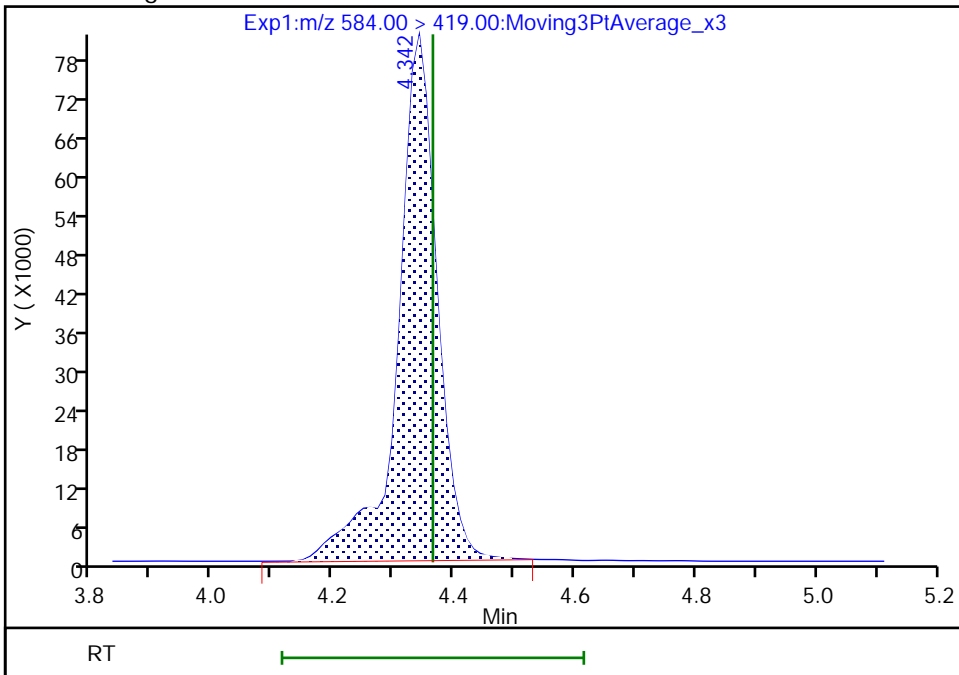
RT: 4.34
Area: 373674
Amount: 0.947590
Amount Units: ng/ml

Processing Integration Results



RT: 4.34
Area: 370047
Amount: 0.938392
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:33:52
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

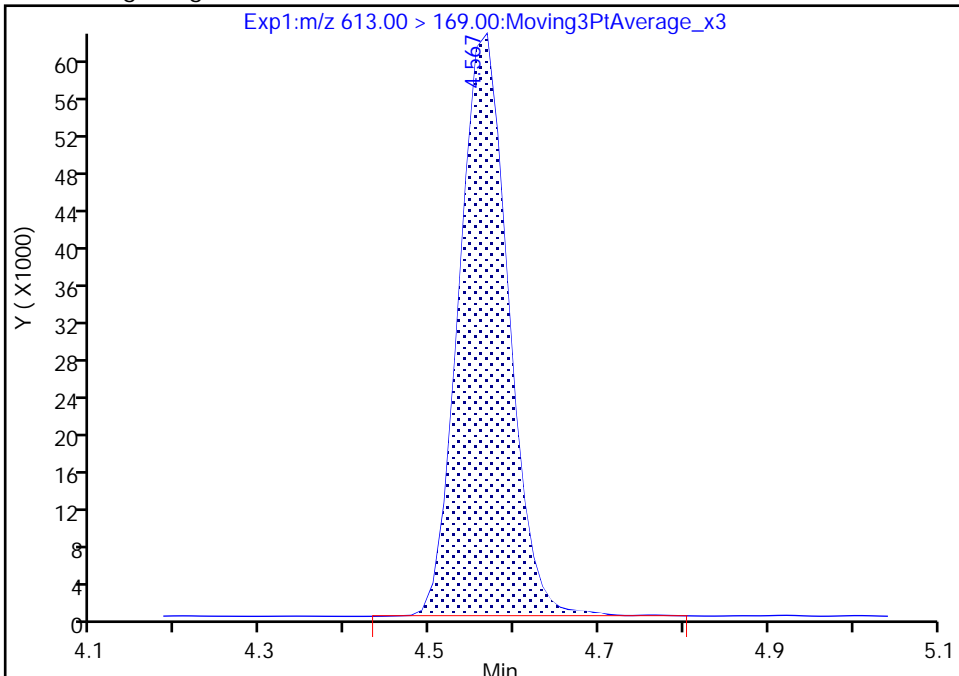
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

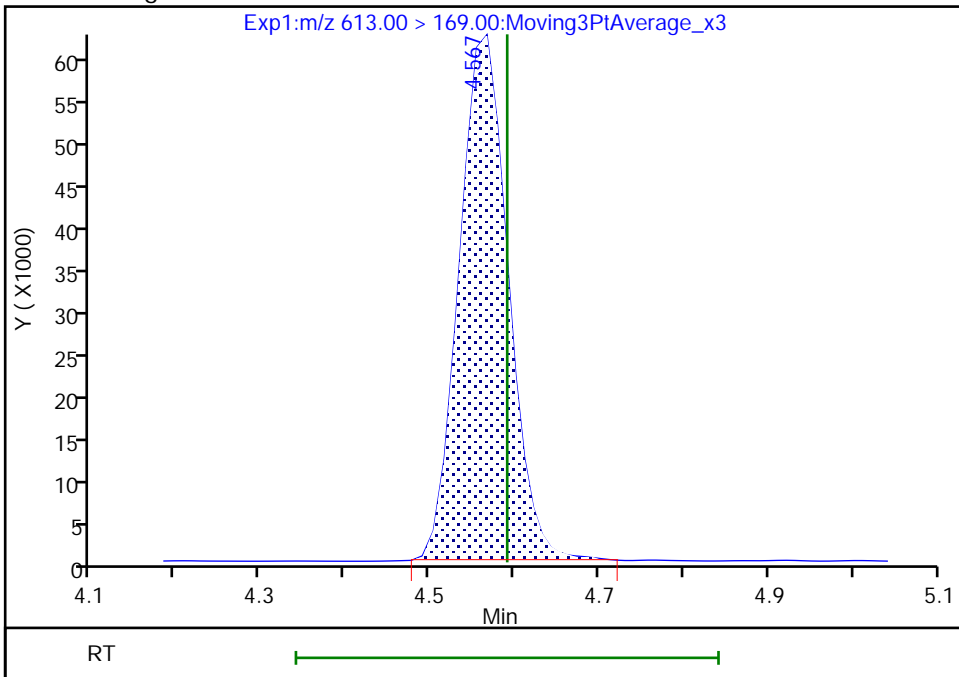
RT: 4.57
Area: 253904
Amount: 0.957006
Amount Units: ng/ml

Processing Integration Results



RT: 4.57
Area: 252304
Amount: 0.957006
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:33:59
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 594 of 939

Eurofins Burlington

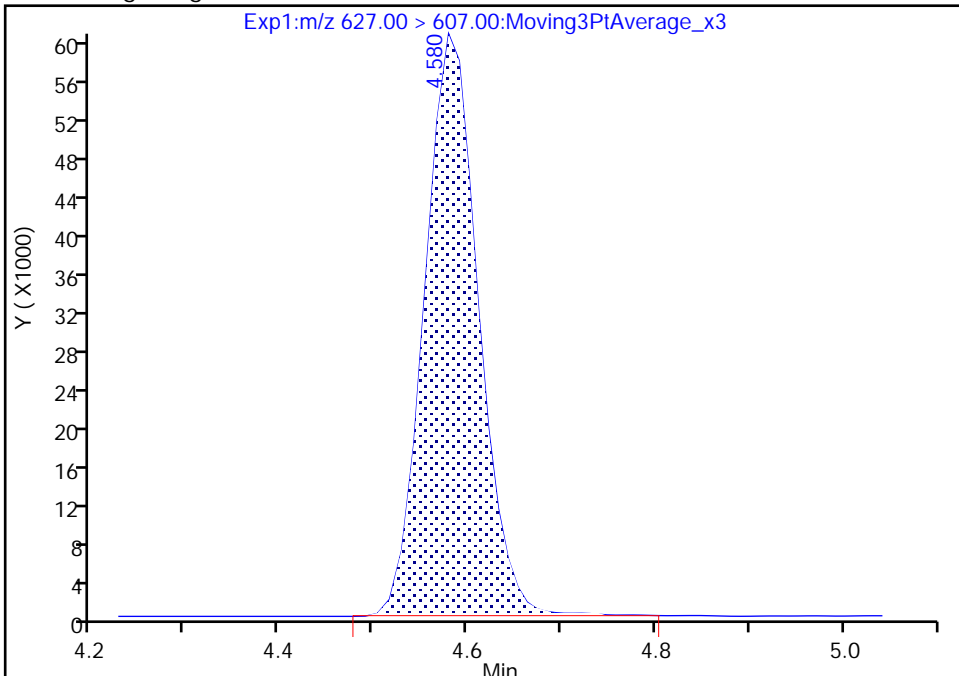
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

74 1H,1H,2H,2H-perfluorododecanesul, CAS: 120226-60-0

Signal: 1

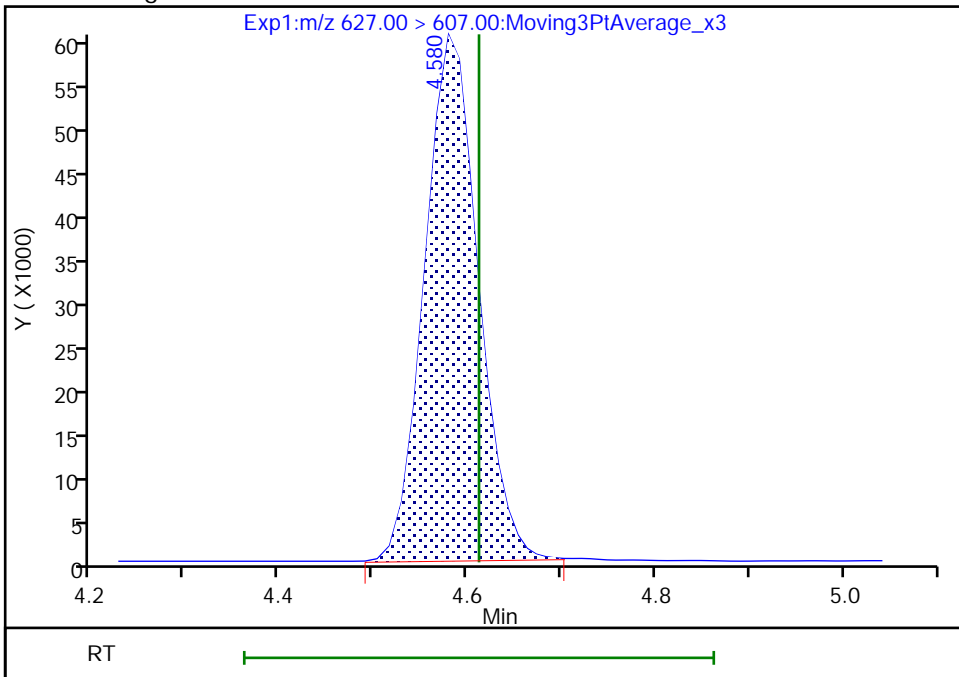
RT: 4.58
Area: 238945
Amount: 0.770596
Amount Units: ng/ml

Processing Integration Results



RT: 4.58
Area: 237721
Amount: 0.766649
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:34:09
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

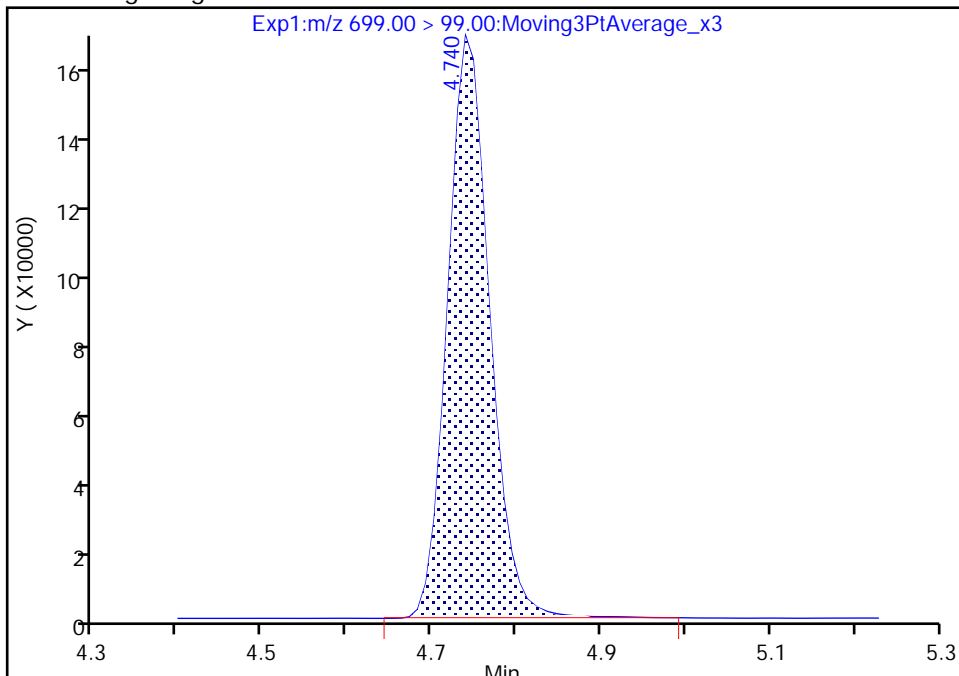
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

75 Perfluorododecanesulfonic acid (, CAS: 79780-39-5

Signal: 2

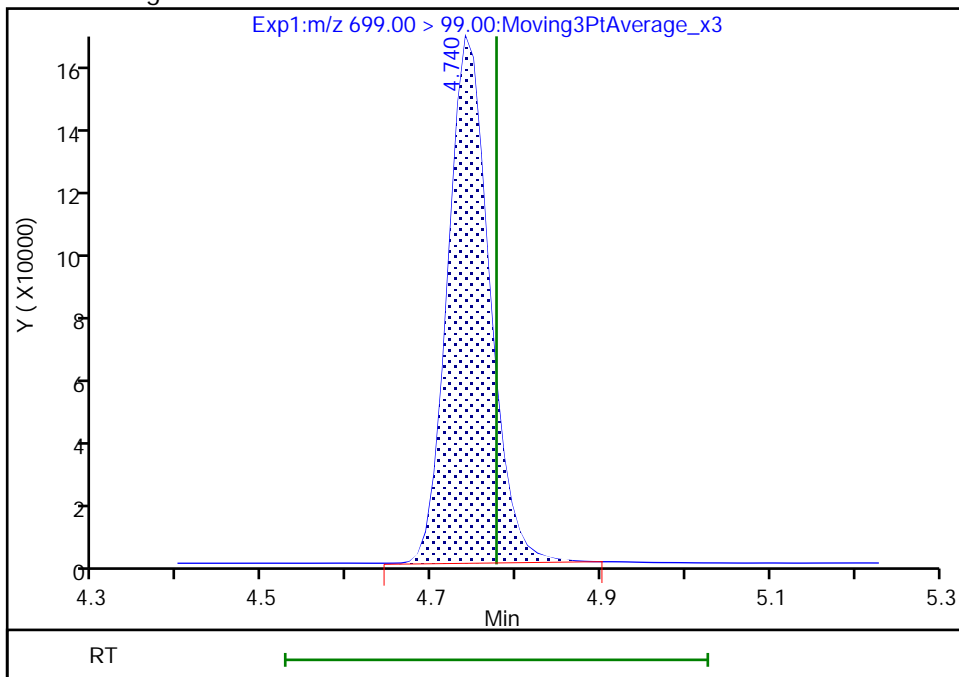
RT: 4.74
Area: 572168
Amount: 1.001665
Amount Units: ng/ml

Processing Integration Results



RT: 4.74
Area: 571075
Amount: 1.001665
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:34:23
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

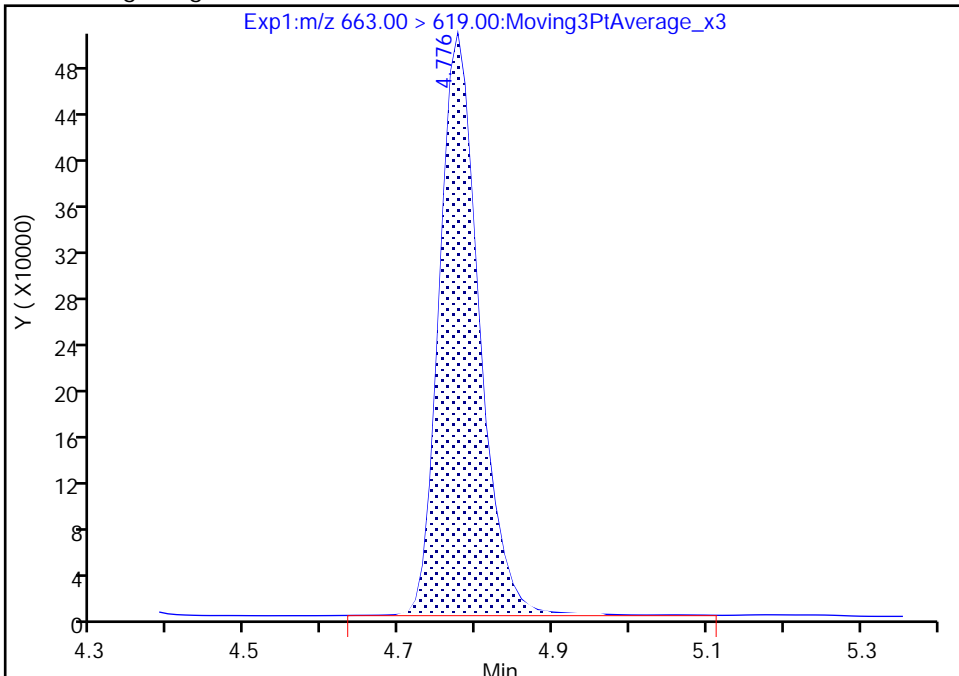
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

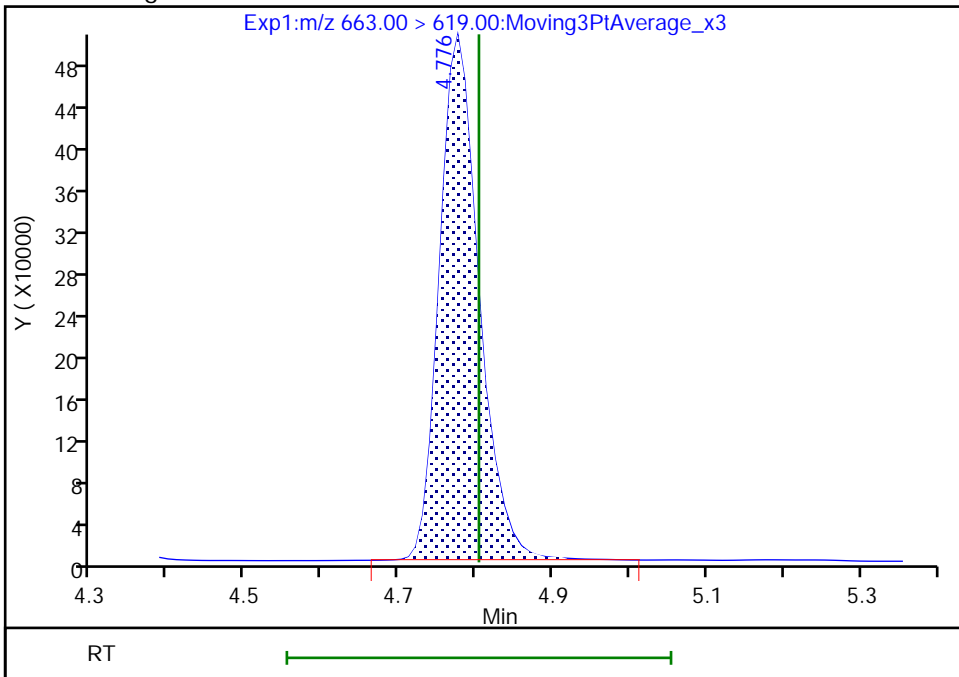
RT: 4.78
Area: 1824954
Amount: 0.961292
Amount Units: ng/ml

Processing Integration Results



RT: 4.78
Area: 1819423
Amount: 0.958378
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:34:29
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

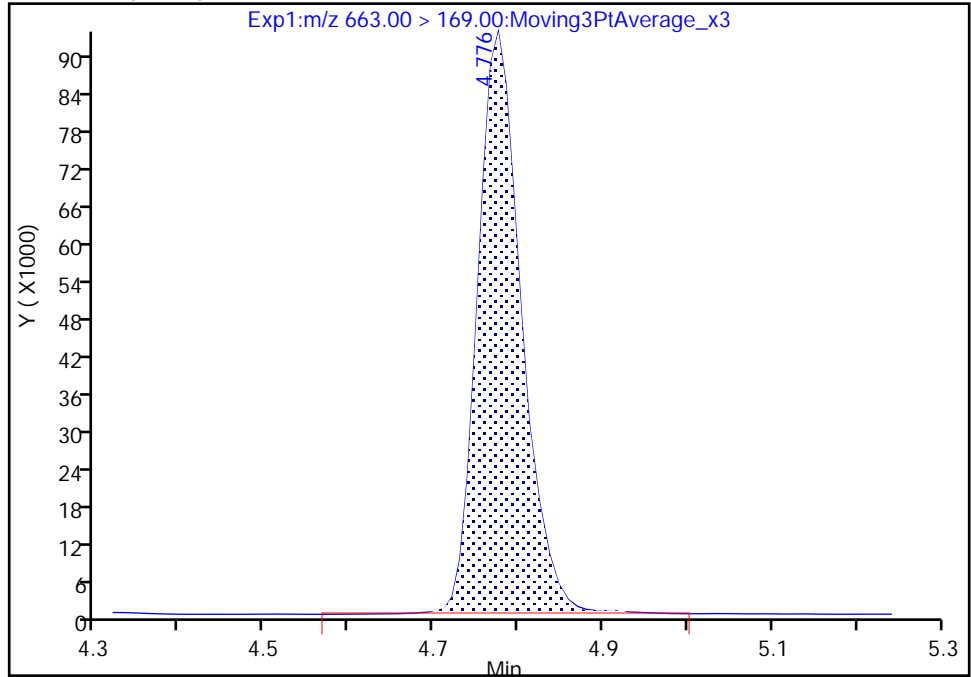
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

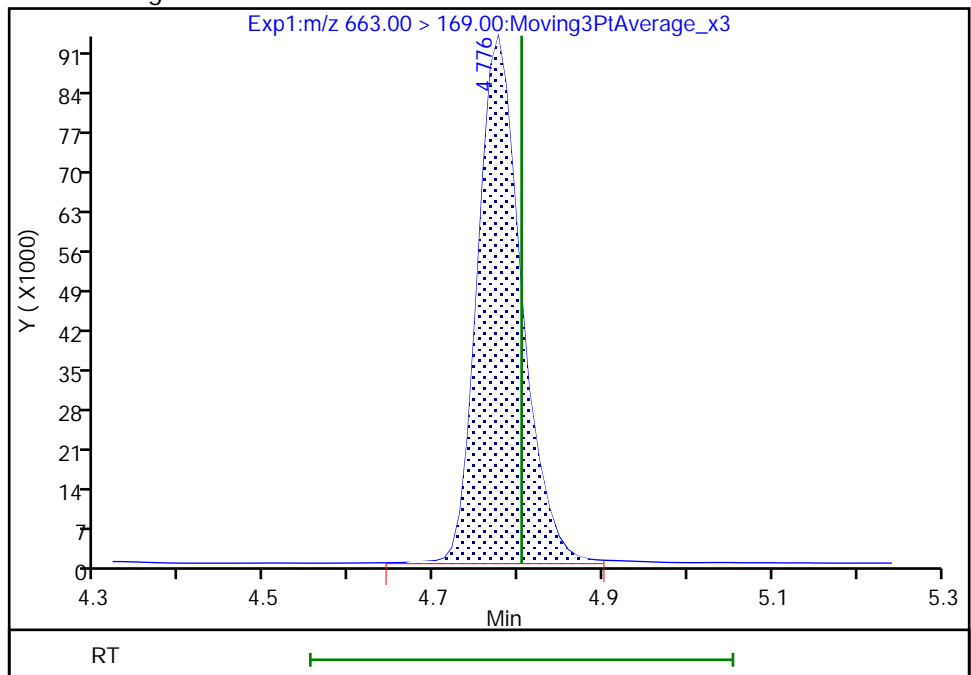
RT: 4.78
Area: 338858
Amount: 0.961292
Amount Units: ng/ml

Processing Integration Results



RT: 4.78
Area: 336569
Amount: 0.958378
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:34:36

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

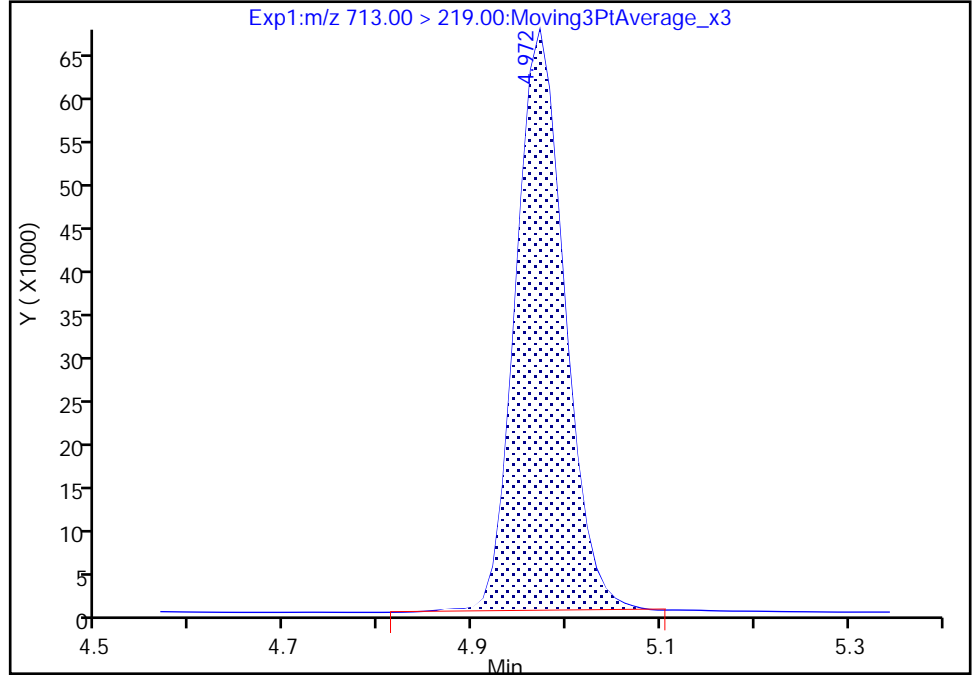
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

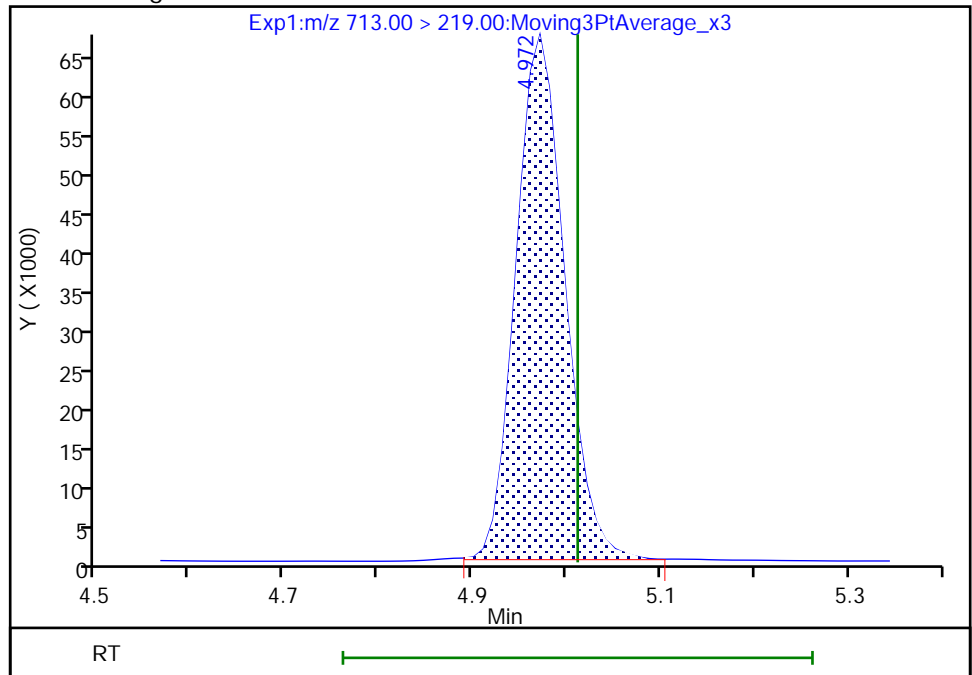
RT: 4.97
Area: 244355
Amount: 1.034289
Amount Units: ng/ml

Processing Integration Results



RT: 4.97
Area: 243668
Amount: 1.034289
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:34:47
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

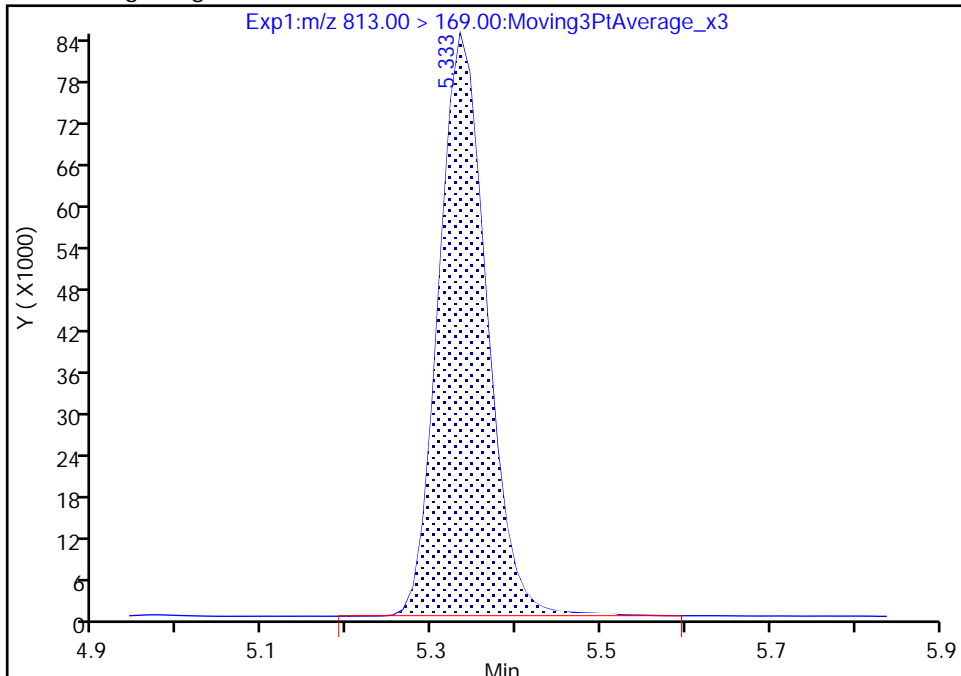
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

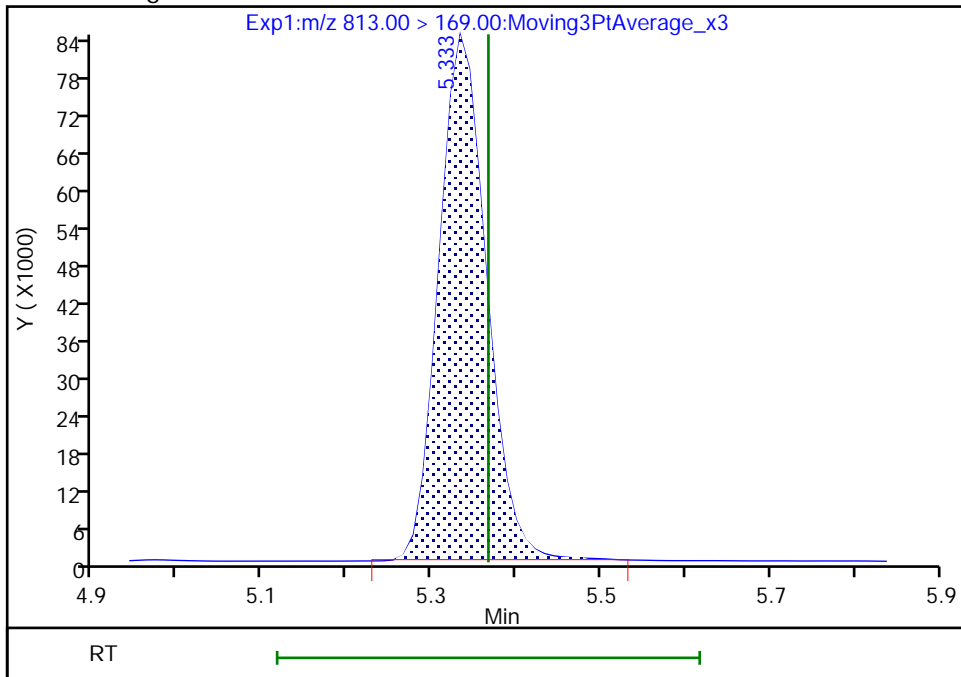
RT: 5.33
Area: 331619
Amount: 0.987626
Amount Units: ng/ml

Processing Integration Results



RT: 5.33
Area: 330150
Amount: 0.987626
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:35:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 600 of 939

Eurofins Burlington

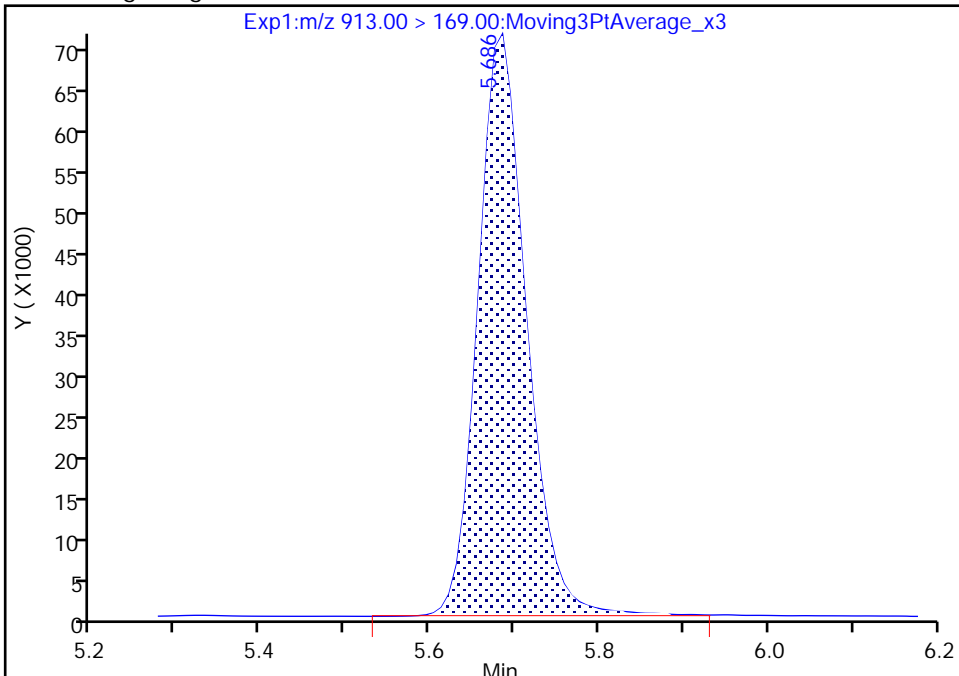
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

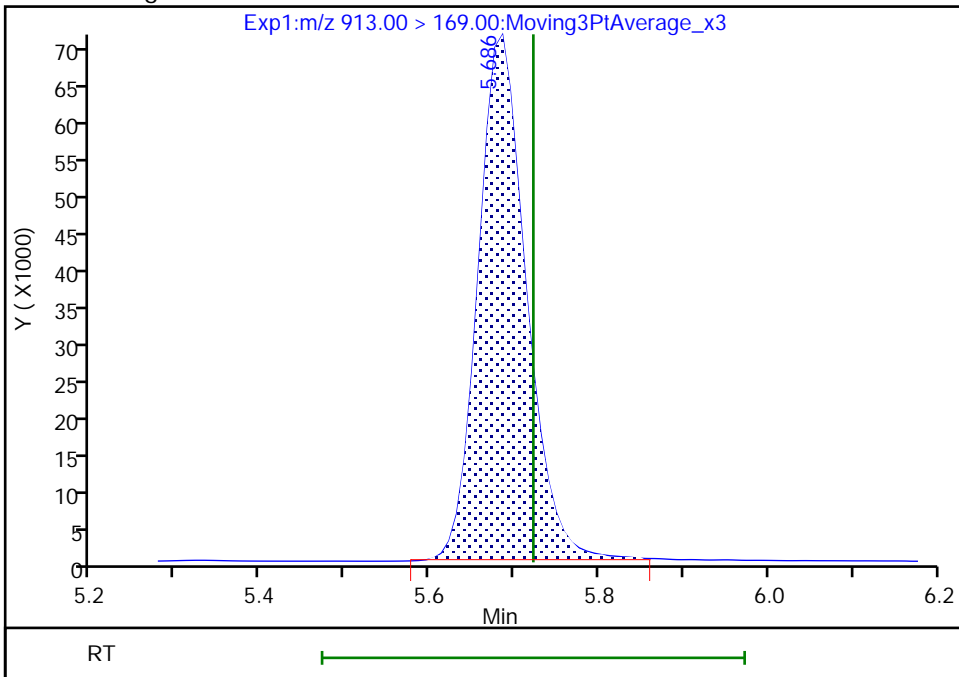
RT: 5.69
Area: 285805
Amount: 1.071314
Amount Units: ng/ml

Processing Integration Results



RT: 5.69
Area: 282478
Amount: 1.067073
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:35:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 601 of 939

Eurofins Burlington

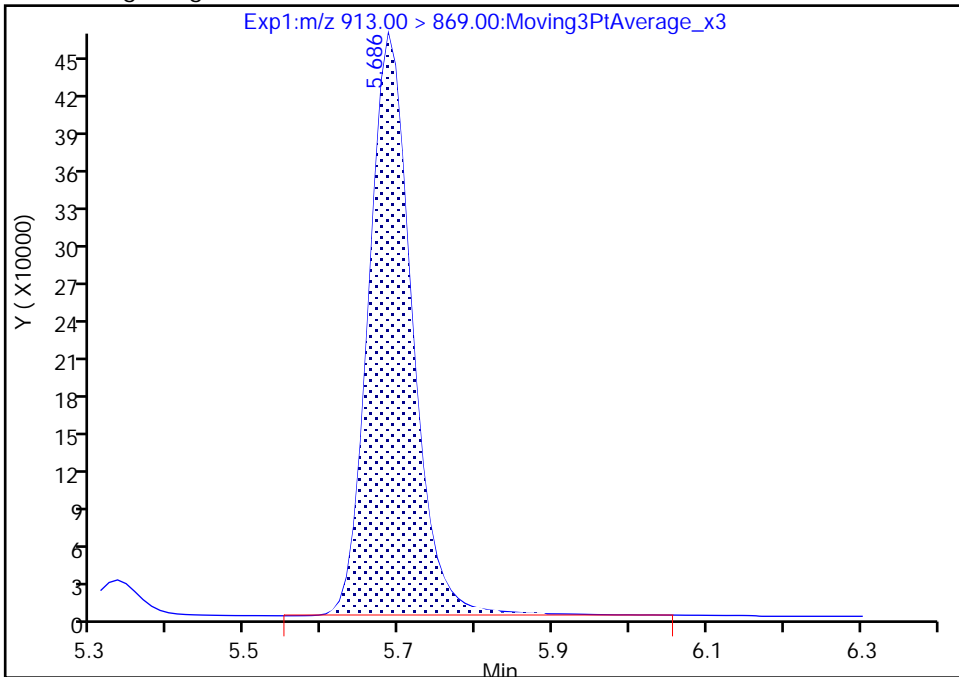
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A09.d
Injection Date: 02-Dec-2022 13:14:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

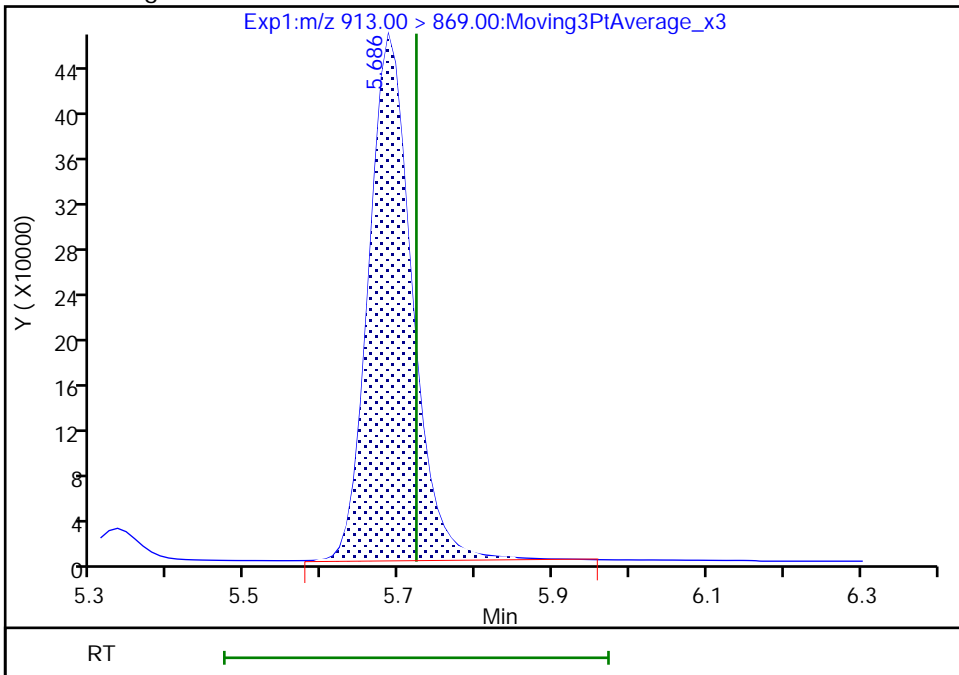
RT: 5.69
Area: 1838037
Amount: 1.071314
Amount Units: ng/ml

Processing Integration Results



RT: 5.69
Area: 1830760
Amount: 1.067073
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:35:10

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-270065-1
 SDG No.: _____
 Lab Sample ID: CCV 200-186301/23 Calibration Date: 12/02/2022 15:08
 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: PA221202A23.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	0.9615		2.33	2.50	-6.8	
Perfluoropentanoic acid (PFPeA)	AveID	1.090	1.051		2.41	2.50	-3.5	
Perfluorobutanesulfonic acid (PFBS)	AveID	1.144	1.066		2.06	2.21	-6.9	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	3.081	2.782		2.11	2.34	-9.7	
Perfluorohexanoic acid (PFHxA)	AveID	1.090	0.9911		2.27	2.50	-9.0	
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.335	1.247		2.19	2.35	-6.6	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.056	0.995		2.36	2.50	-5.7	
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.129	1.074		2.16	2.28	-4.9	
Perfluoroheptanoic acid (PFHpA)	AveID	1.089	1.037		2.38	2.50	-4.8	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	5.507	4.572		1.96	2.36	-17.0	
6:2 FTS	L1ID		2.088		2.33	2.37	-1.7	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.397	1.355		2.31	2.38	-3.0	
Perfluorooctanoic acid (PFOA)	AveID	1.069	1.025		2.40	2.50	-4.2	
Perfluorooctanesulfonic acid (PFOS)	AveID	1.216	1.109		2.12	2.32	-8.8	
Perfluorononanoic acid (PFNA)	AveID	1.037	0.9598		2.31	2.50	-7.5	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	AveID	2.791	2.551		2.13	2.33	-8.6	
Perfluorononanesulfonic acid (PFNS)	AveID	0.9179	0.8728		2.28	2.40	-4.9	
8:2 FTS	AveID	1.617	1.531		2.27	2.40	-5.3	
Perfluorodecanoic acid (PFDA)	AveID	1.084	1.039		2.40	2.50	-4.2	
Perfluorooctanesulfonamide (FOSA)	AveID	1.045	0.9948		2.38	2.50	-4.8	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	L1ID		0.9421		2.73	2.50	9.0	30.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.7248	0.7071		2.35	2.41	-2.4	
Perfluoroundecanoic acid (PFUnA)	AveID	1.008	0.9830		2.44	2.50	-2.5	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.8953	0.8995		2.51	2.50	0.5	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF)	AveID	4.303	3.850		2.11	2.36	-10.5	
Perfluorododecanoic acid (PFDoA)	AveID	1.059	1.040		2.45	2.50	-1.8	
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	AveID	0.9717	0.8400		2.08	2.41	-13.6	
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.3067	0.3086		2.44	2.42	0.6	

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-270065-1
 SDG No.: _____
 Lab Sample ID: CCV 200-186301/23 Calibration Date: 12/02/2022 15:08
 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: PA221202A23.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	0.996		2.46	2.50	-1.7	
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1369	0.1362		2.49	2.50	-0.5	
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		0.9276		2.51	2.50	0.2	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.8236	0.8052		2.44	2.50	-2.2	
13C4 PFBA	Ave	1.122	1.178		1.31	1.25	5.0	
13C5 PFPeA	Ave	0.8543	0.8845		1.29	1.25	3.5	
13C3 PFBS	Ave	0.9281	1.054		1.32	1.16	13.6	
M2-4:2 FTS	Ave	0.0820	0.0986		1.40	1.17	20.2	
13C2 PFHxA	Ave	0.8951	0.9186		1.28	1.25	2.6	
13C3 HFPO-DA	Ave	0.1580	0.1589		1.26	1.25	0.6	
13C4 PFHpA	Ave	0.9206	0.9026		1.23	1.25	-2.0	50.0
18O2 PFHxS	Ave	0.6761	0.7698		1.35	1.18	13.8	50.0
M2-6:2 FTS	Ave	0.1134	0.1309		1.37	1.19	15.5	
13C4 PFOA	Ave	1.035	1.002		1.21	1.25	-3.2	50.0
13C4 PFOS	Ave	0.4588	0.5241		1.37	1.20	14.2	50.0
13C5 PFNA	Ave	1.006	1.043		1.30	1.25	3.7	50.0
13C2 PFDA	Ave	1.025	1.136		1.39	1.25	10.8	
M2-8:2 FTS	Ave	0.1387	0.1593		1.38	1.20	14.9	
13C8 FOSA	Ave	0.8403	0.9320		1.39	1.25	10.9	
d3-NMeFOSAA	Ave	0.2087	0.1792		1.07	1.25	-14.2	
13C2 PFUnA	Ave	0.9385	0.9487		1.26	1.25	1.1	
d5-NEtFOSAA	Ave	0.2055	0.1787		1.09	1.25	-13.0	
13C2 PFDoA	Ave	0.9562	0.9509		1.24	1.25	-0.6	
13C2 PFTeDA	Ave	0.8270	0.8840		1.34	1.25	6.9	
13C2 PFHxDA	Ave	1.022	1.138		1.39	1.25	11.3	

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
 Lims ID: CCV L5
 Client ID:
 Sample Type: CCV
 Inject. Date: 02-Dec-2022 15:08:37 ALS Bottle#: 20 Worklist Smp#: 23
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: CCV L5
 Misc. Info.: 200-0053527-023 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 05-Dec-2022 11:41:57 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: CTX1627

First Level Reviewer: nampitakw Date: 05-Dec-2022 11:42:56

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	3018256	1.31	105	10944	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.076	0.009	1.000	5804217	2.33		93.2	738	M
D 3 13C5 PFPeA	267.90 > 223.00	2.373	2.387	-0.014	0.690	2266876	1.29	104	4480	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.373	2.387	-0.014	1.000	4766051	2.41		96.5	135	M
D 47 13C3 PFBS	301.90 > 80.00	2.386	2.400	-0.014	0.694	2512648	1.32	114	427774	M
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.386	2.400	-0.014	1.000	5089621	2.06	Target=2.09	93.1	4626	
298.90 > 99.00	2.386	2.400	-0.014	1.000	2471524		2.06(1.04-3.13)		1551	
61 1H,1H,2H,2H-perfluorohexanesulfo	327.00 > 307.00	2.677	2.689	-0.012	1.000	1313057	2.11	90.3	3772	
D 60 M2-4:2 FTS	329.00 > 81.00	2.677	2.689	-0.012	0.778	236028	1.40	120	198	M
D 7 13C2 PFHxA	315.00 > 270.00	2.713	2.725	-0.012	0.789	2354363	1.28	103	5755	
6 Perfluorohexanoic acid										
313.00 > 269.00	2.713	2.725	-0.012	1.000	4666868	2.27	Target=14.25	91.0	892	
313.00 > 119.00	2.713	2.725	-0.012	1.000	352297		13.25(7.12-21.37)		392	
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.713	2.737	-0.024	0.882	4614850	2.19	Target=3.04	93.4	3493	
349.00 > 99.00	2.713	2.737	-0.024	0.882	1568649		2.94(1.52-4.56)		2199	
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.823	2.835	-0.012	1.000	810518	2.36		94.3	2598	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	2.823	2.835	-0.012	0.821	407198	1.26		101	2810	
D 11 18O2 PFHxS										
403.00 > 84.00	3.077	3.088	-0.012	0.895	1866431	1.35		114	3813	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.077	3.088	-0.012	1.000	3855518	2.16	Target=3.66	95.1	2086	M
399.00 > 99.00	3.077	3.088	-0.012	1.000	1136529		3.39(1.83-5.49)		1154	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.077	3.099	-0.023	0.895	2313434	1.23		98.0	3627	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.088	3.099	-0.011	1.004	4796373	2.38	Target=3.97	95.2	779	M
363.00 > 169.00	3.077	3.099	-0.023	1.000	1234184		3.89(1.98-5.95)		1307	M
77 DONA										
377.00 > 251.00	3.121	3.132	-0.011	0.831	11570524	1.96	Target=3.16	83.0	6136	M
377.00 > 85.00	3.121	3.132	-0.011	0.831	3782890		3.06(1.58-4.73)		2745	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.430	3.439	-0.009	0.997	318830	1.37		115	631	M
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.430	3.439	-0.009	1.000	1328586	2.33		98.3	265	M
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.430	3.439	-0.009	0.914	3465224	2.31	Target=5.14	97.0	3918	M
449.00 > 99.00	3.430	3.439	-0.009	0.914	718749		4.82(2.57-7.72)		1778	M
D 14 13C4 PFOA										
417.00 > 372.00	3.439	3.448	-0.009	1.000	2567521	1.21		96.8	3005	M
* 62 13C2 PFOA										
415.00 > 370.00	3.439	3.448	-0.009		2563006	1.25			4248	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.439	3.448	-0.009	1.000	5261459	2.40	Target=2.79	95.8	351	M
413.00 > 169.00	3.439	3.448	-0.009	1.000	1849794		2.84(1.40-4.19)		1173	M
D 18 13C4 PFOS										
503.00 > 80.00	3.754	3.764	-0.010	1.092	1284160	1.37		114	2408	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.754	3.764	-0.010	1.000	2764401	2.12	Target=5.11	91.2	1065	M
499.00 > 99.00	3.754	3.764	-0.010	1.000	614417		4.50(2.55-7.66)		1238	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.773	3.783	-0.010	1.000	5132432	2.31	Target=8.55	92.5	819	
463.00 > 169.00	3.773	3.783	-0.010	1.000	634307		8.09(4.28-12.83)		2935	M
D 19 13C5 PFNA										
468.00 > 423.00	3.773	3.783	-0.010	1.097	2673581	1.30		104	5392	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.928	3.928	0.0	1.046	6386760	2.13		91.4	6726	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.052	4.050	0.002	1.079	2251091	2.28	Target=2.53	95.1	4957	M
549.00 > 99.00	4.052	4.050	0.002	1.079	927770		2.43(1.27-3.80)		2331	M
D 23 13C2 PFDA										
515.00 > 470.00	4.082	4.081	0.001	1.187	2911015	1.39		111	4786	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	4.082	4.081	0.001	1.000	6048050	2.39	Target=10.26	95.8	1994	
513.00 > 169.00	4.082	4.081	0.001	1.000	588102		10.28(5.13-15.38)		1380	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.082	4.093	-0.011	1.187	391238	1.38		115	1015	M
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.082	4.093	-0.011	1.000	1197955	2.27		94.7	3889	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.140	4.150	-0.010	1.000	4752386	2.38		95.2	6538	
D 21 13C8 FOSA										
506.00 > 78.00	4.140	4.150	-0.010	1.204	2388682	1.39		111	2896	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.219	4.228	-0.009	1.227	459182	1.07		85.8	340	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.229	4.228	0.001	1.002	865181	2.73		109	945	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.322	4.331	-0.009	1.151	1831246	2.35	Target=2.51	97.6	3693	
599.00 > 99.00	4.322	4.331	-0.009	1.151	735677		2.49(1.25-3.76)		3586	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.344	4.353	-0.009	1.263	2431501	1.26		101	3886	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.344	4.353	-0.009	1.000	4780248	2.44	Target=9.88	97.5	1607	
563.00 > 169.00	4.344	4.353	-0.009	1.000	481937		9.92(4.94-14.82)		3408	
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.367	4.365	0.002	1.003	823958	2.51		100	1035	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.356	4.365	-0.009	1.267	458016	1.09		87.0	1075	
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.445	4.454	-0.009	1.184	9743352	2.11		89.5	4490	M
37 Perfluorododecanoic acid										
613.00 > 569.00	4.582	4.591	-0.009	1.000	5068473	2.45	Target=7.77	98.2	348	M
613.00 > 169.00	4.582	4.591	-0.009	1.000	683372		7.42(3.89-11.66)		3032	
D 36 13C2 PFDaA										
615.00 > 570.00	4.582	4.591	-0.009	1.332	2437066	1.24		99.4	2549	M
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.603	4.612	-0.009	1.127	661381	2.08		86.4	2270	M
75 Perfluorododecanesulfonic acid (
699.00 > 80.00	4.768	4.776	-0.008	1.270	802452	2.44	Target=0.50	101	2803	M
699.00 > 99.00	4.768	4.776	-0.008	1.270	1487371		0.54(0.25-0.76)		4636	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.795	4.804	-0.009	1.047	4853342	2.46	Target=5.21	98.3	312	M
663.00 > 169.00	4.795	4.804	-0.009	1.047	917946		5.29(2.60-7.81)		1750	M
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.003	5.012	-0.009	1.002	617078	2.49	Target=0.89	99.5	3265	
713.00 > 219.00	4.993	5.012	-0.019	1.000	670322		0.92(0.44-1.33)		3001	M
D 43 13C2 PFTeDA										
715.00 > 670.00	4.993	5.012	-0.019	1.452	2265676	1.34		107	3751	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	5.356	5.367	-0.011	1.000	5410691	2.50	Target=5.65	100	407	M
813.00 > 169.00	5.356	5.367	-0.011	1.000	902369		6.00(2.82-8.47)		2827	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.356	5.367	-0.011	1.558	2916517	1.39		111	3796	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.705	5.722	-0.017	1.065	4696914	2.44	Target=6.24	97.8	414	M
913.00 > 169.00	5.705	5.722	-0.017	1.065	746946		6.29(3.12-9.36)		1257	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC5_00030

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromf\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d

Injection Date: 02-Dec-2022 15:08:37

Instrument ID: LC812

Lims ID: CCV L5

Client ID:

Operator ID: lc812tech

ALS Bottle#: 20

Worklist Smp#: 23

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

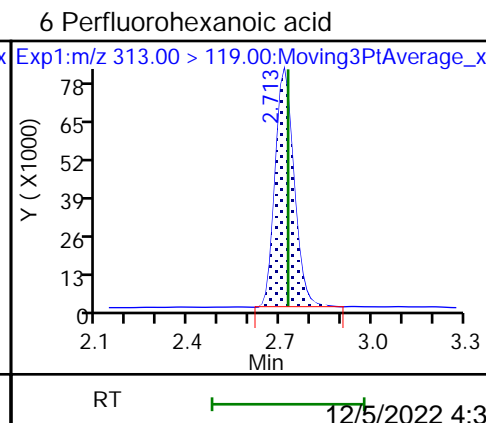
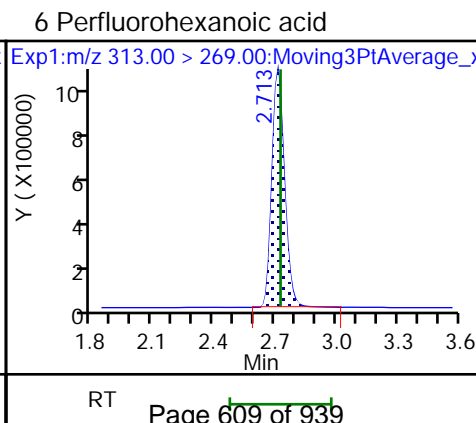
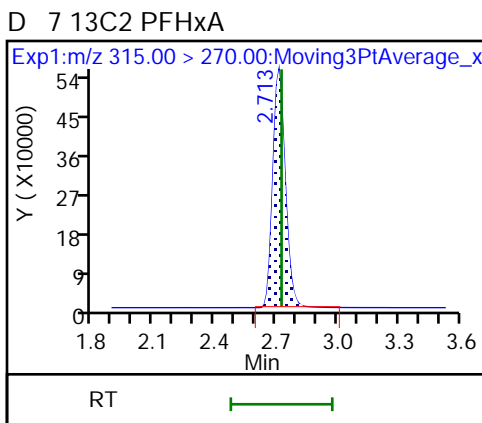
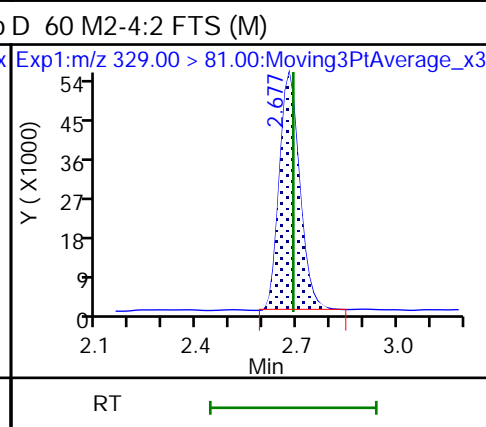
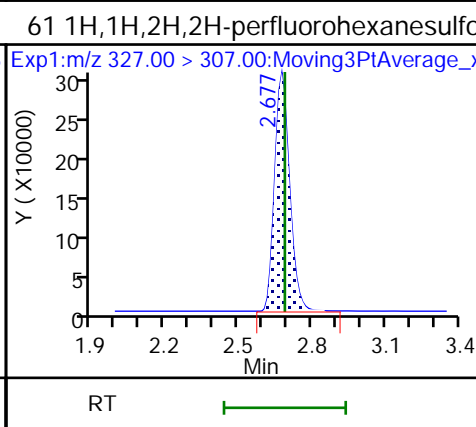
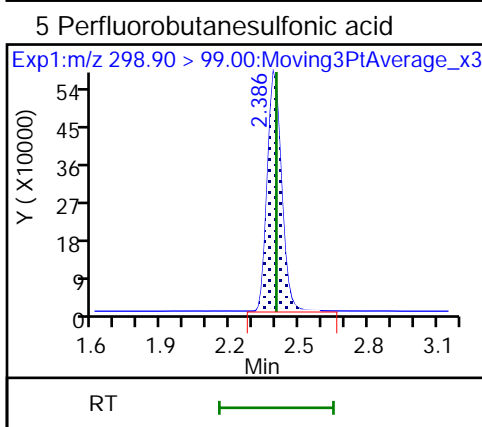
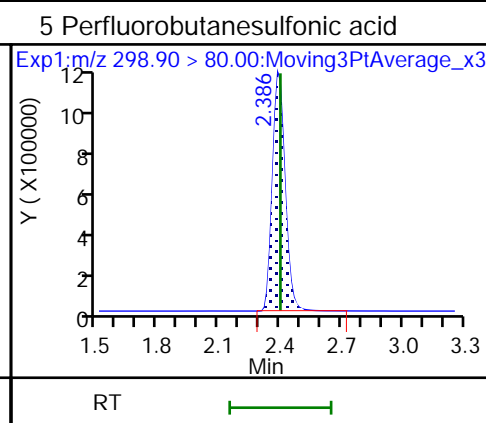
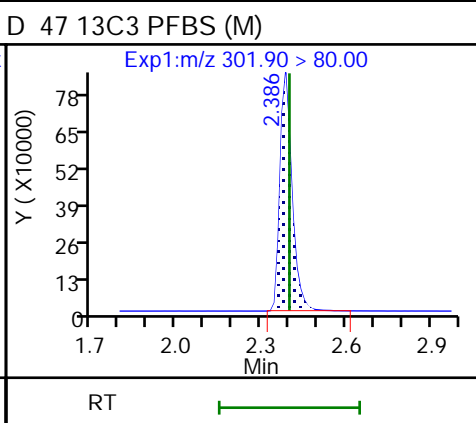
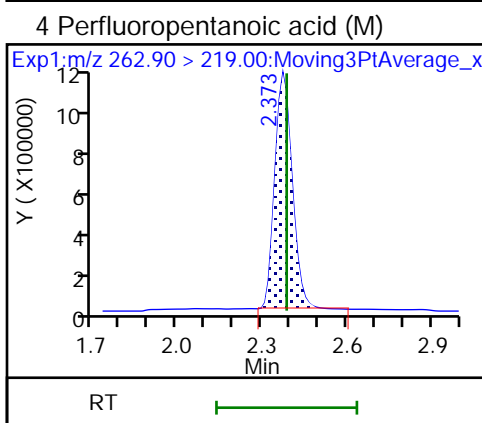
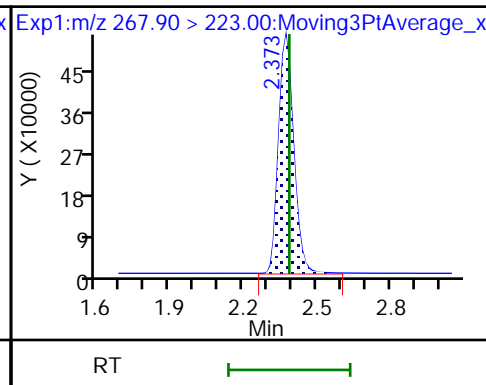
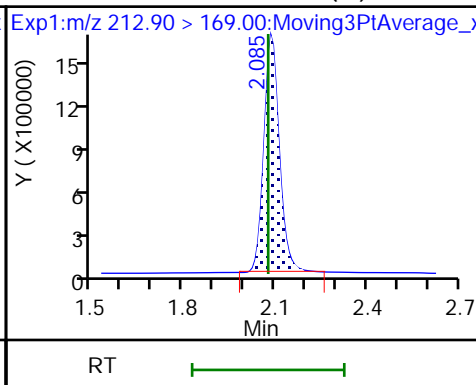
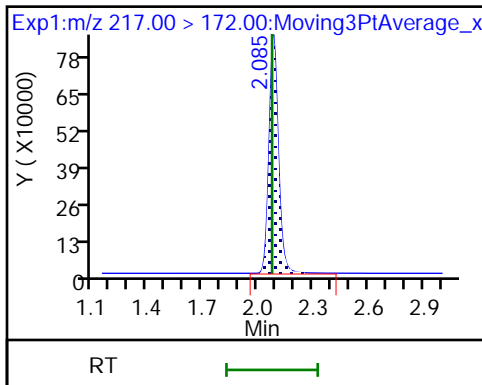
Method: PFC_LC812

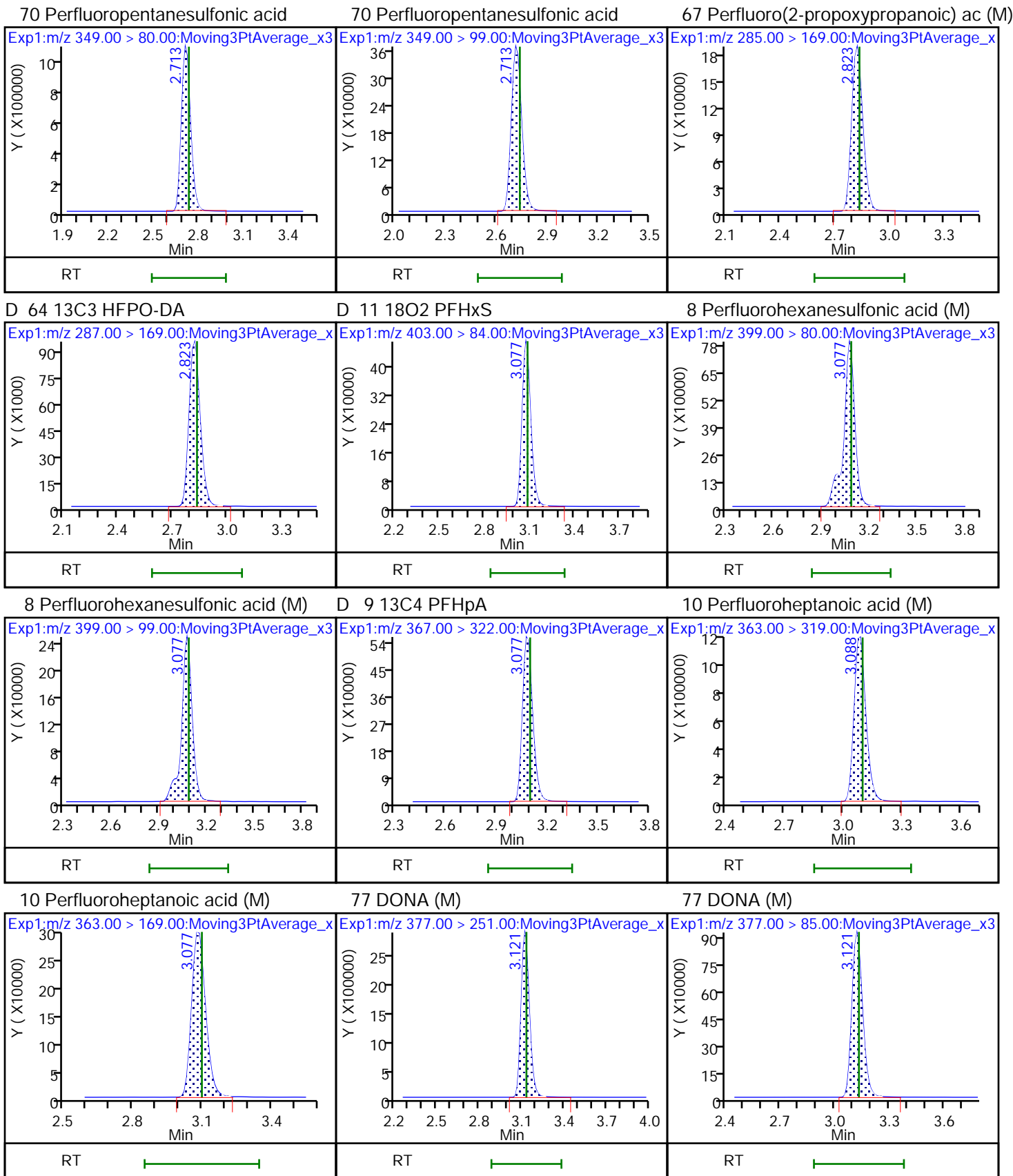
Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

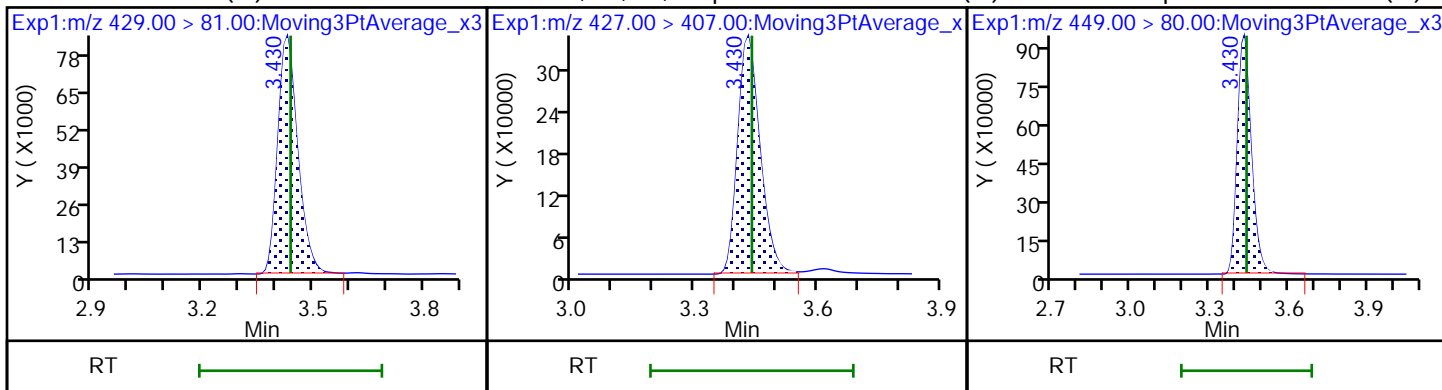
D 3 13C5 PFPeA





D 12 M2-6:2 FTS (M)

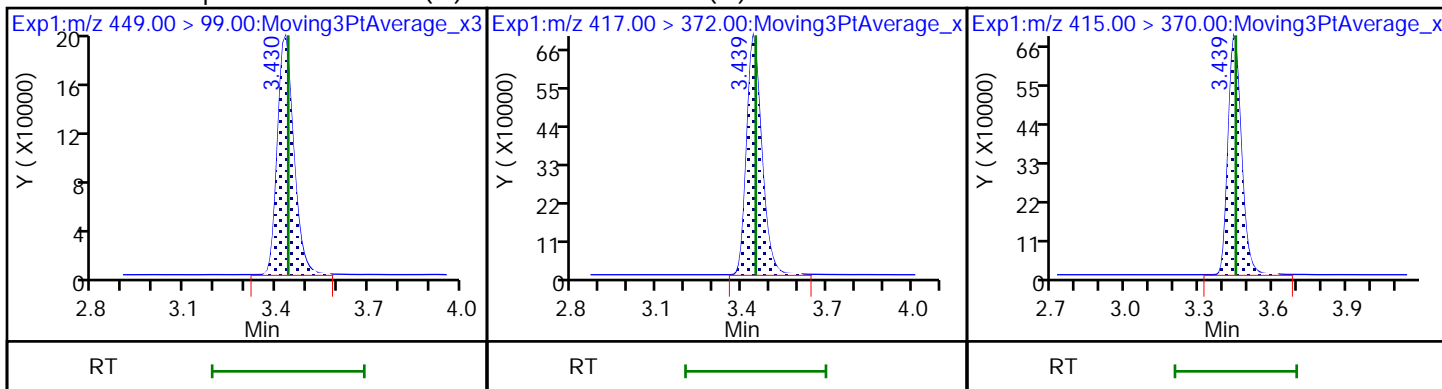
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 6 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA (M)

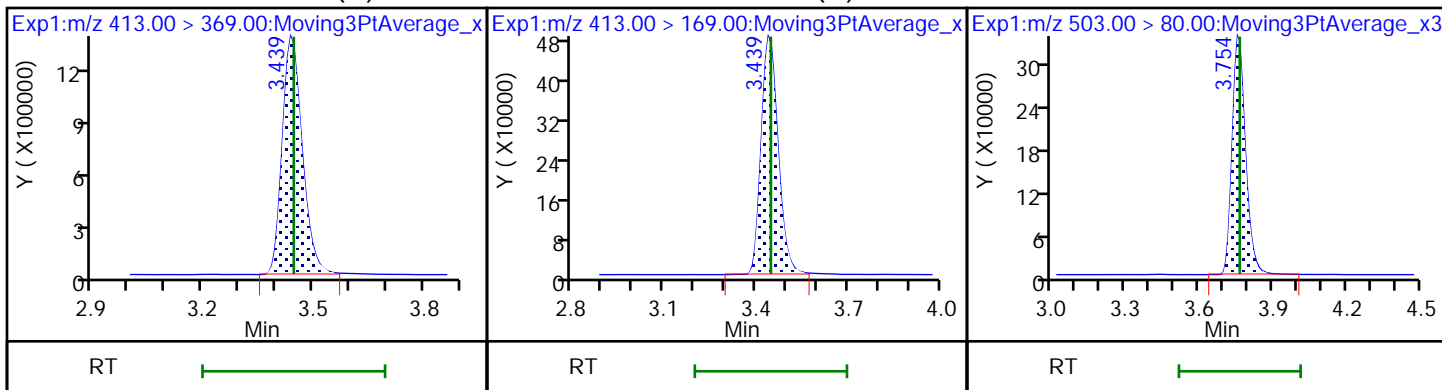
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

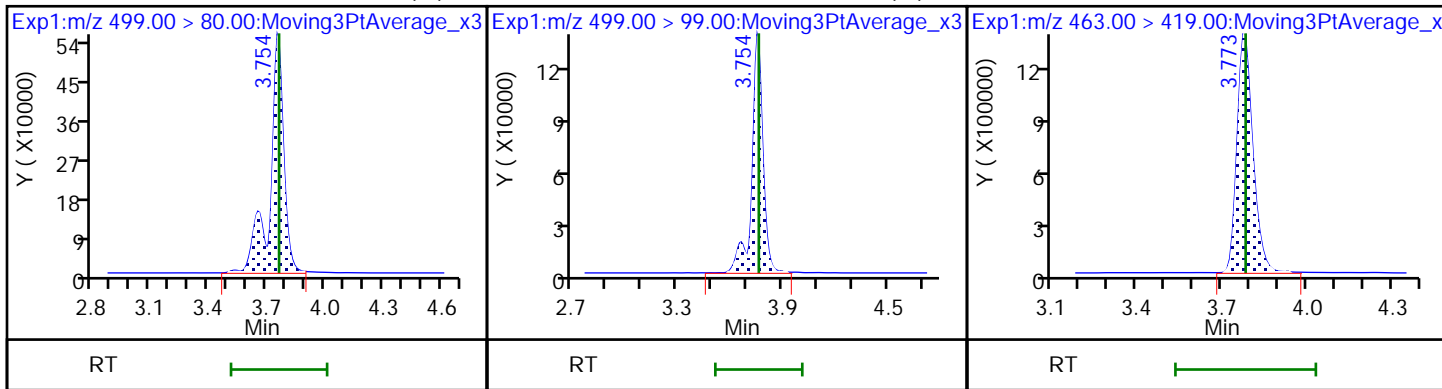
D 18 13C4 PFOS

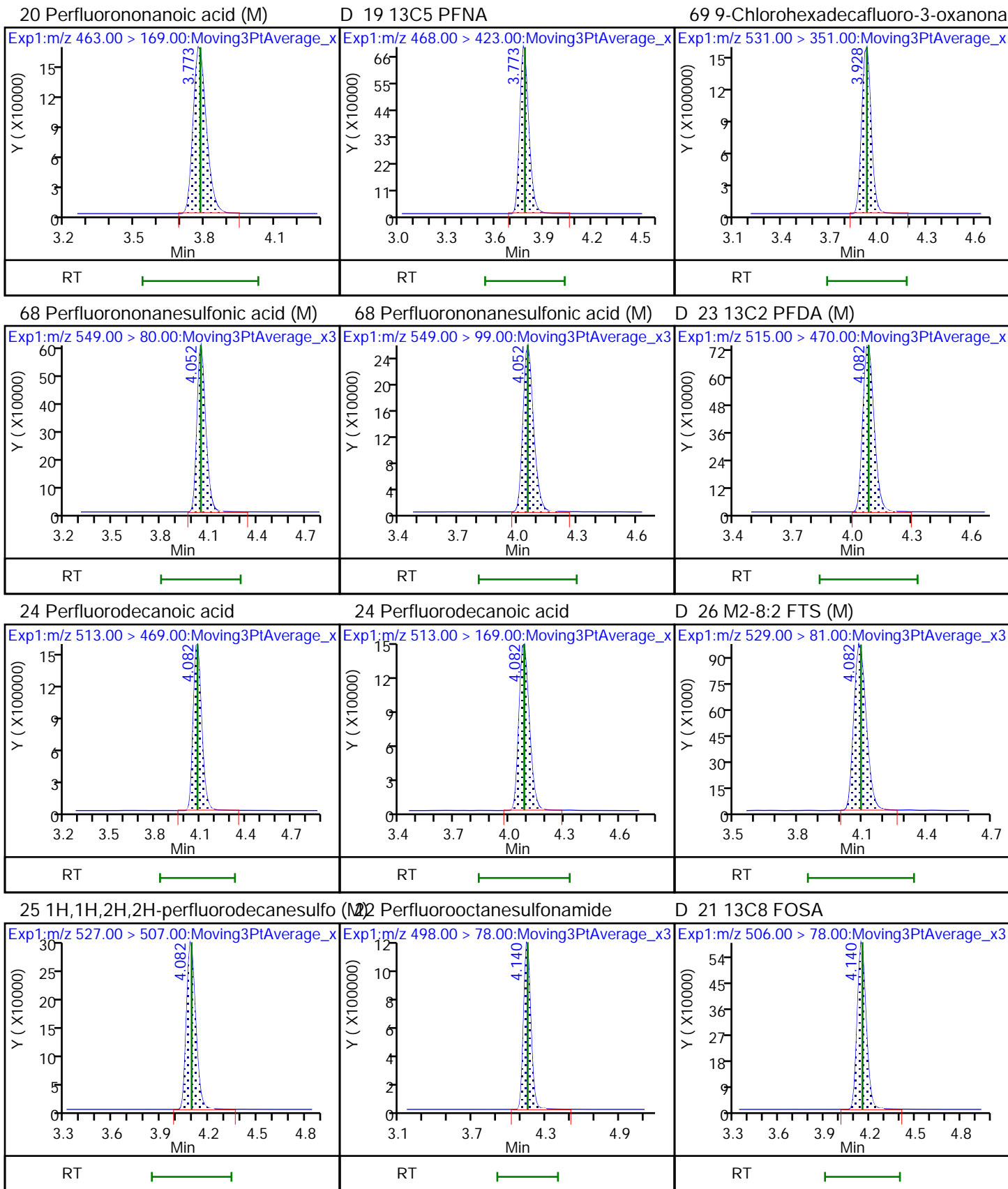


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid

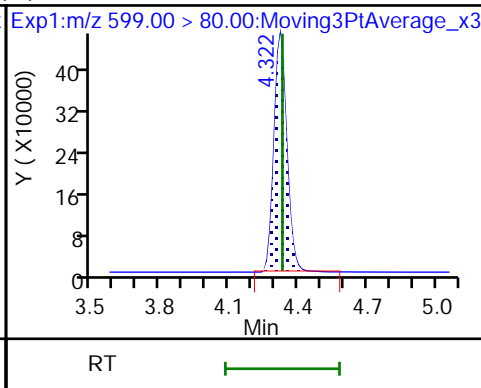
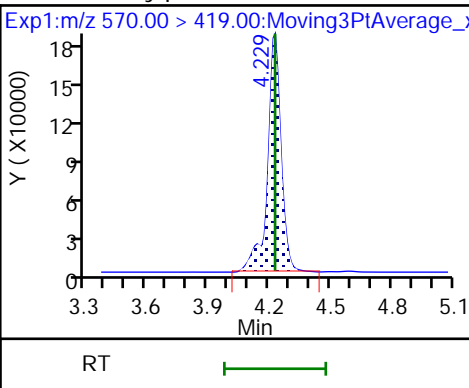
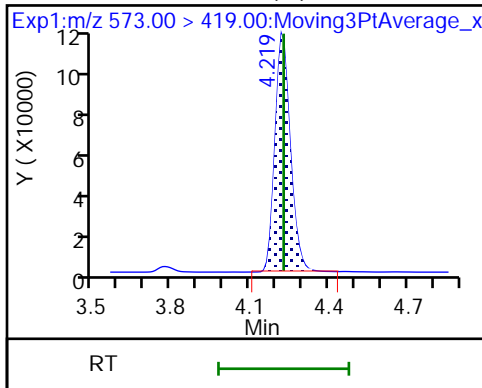




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

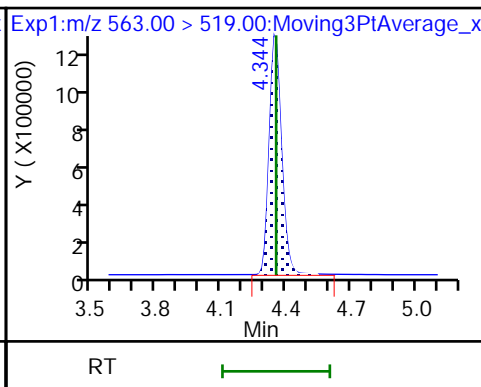
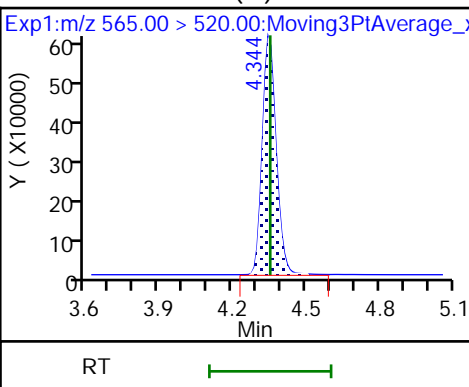
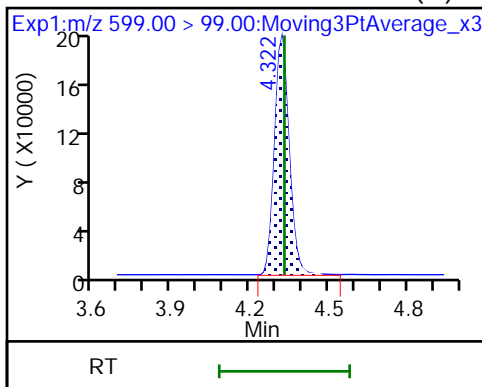
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUnA (M)

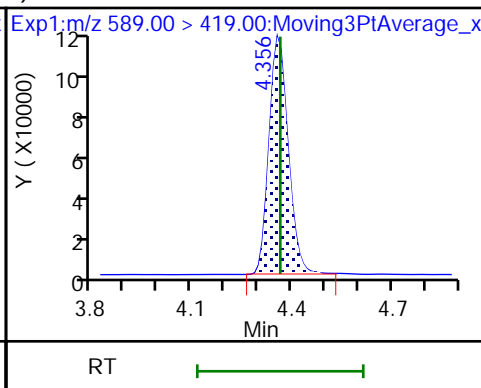
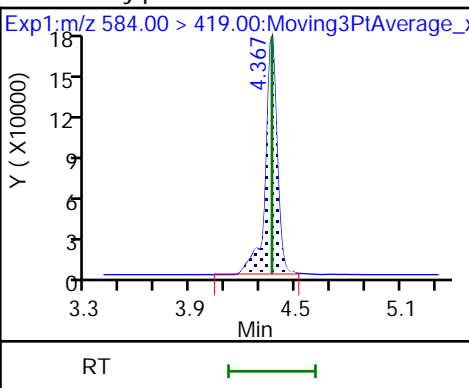
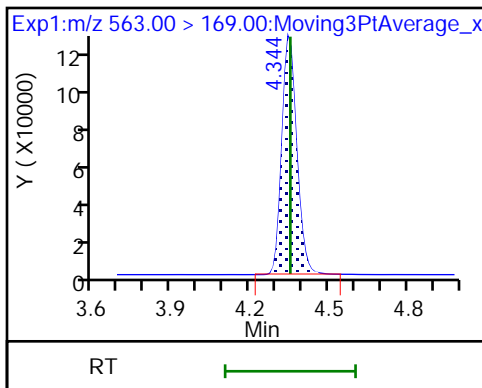
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid

33 N-ethylperfluorooctanesulfonamid (M)

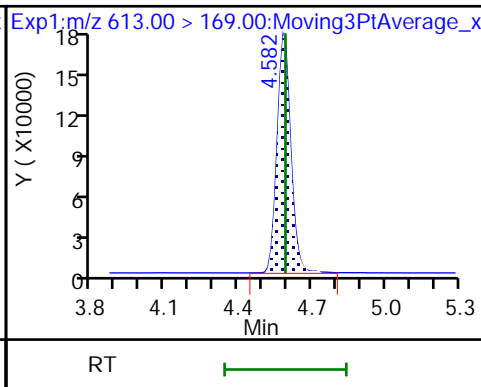
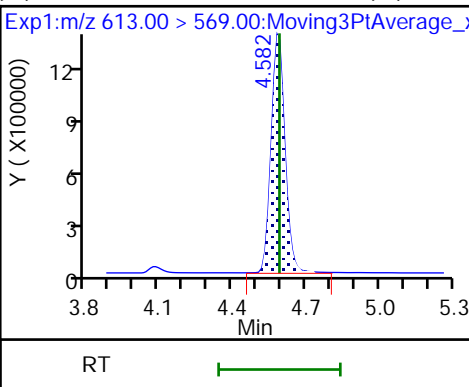
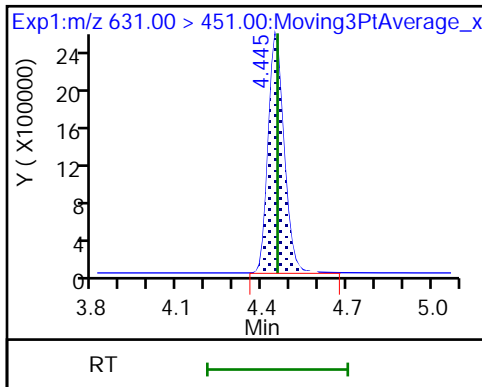
32 d5-NEtFOSAA



66 11-Chloroeicosafuoro-3-oxaundec (M)

37 Perfluorododecanoic acid (M)

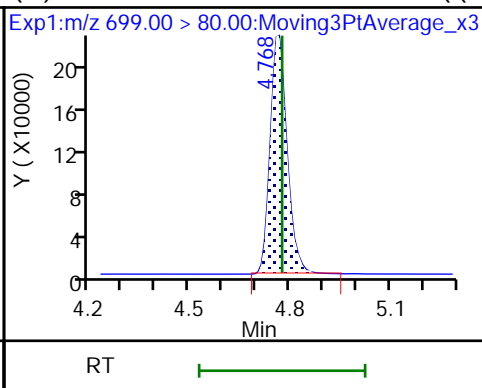
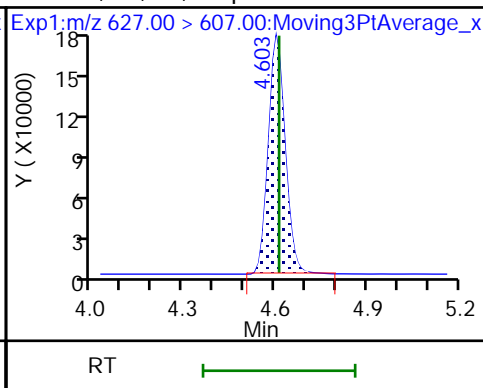
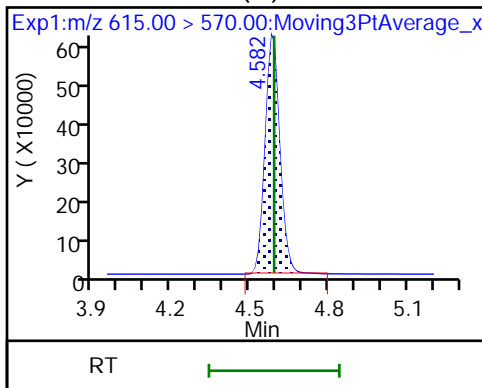
37 Perfluorododecanoic acid



D 36 13C2 PFDa (M)

74 1H,1H,2H,2H-perfluorododecanesul (M)

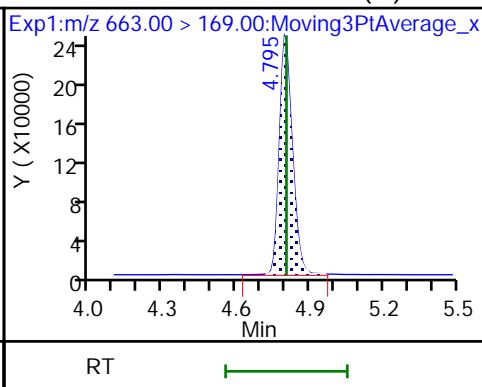
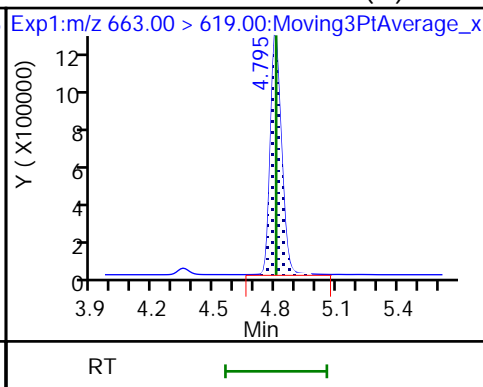
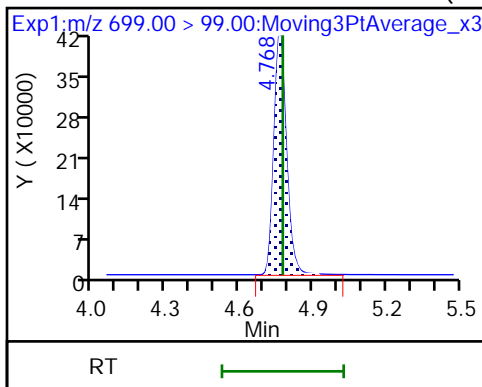
75 Perfluorododecanesulfonic acid (M)



75 Perfluorododecanesulfonic acid (M)

41 Perfluorotridecanoic acid (M)

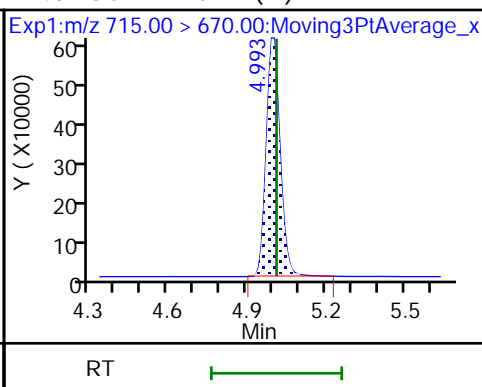
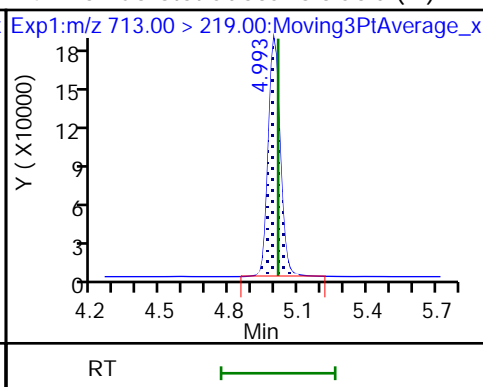
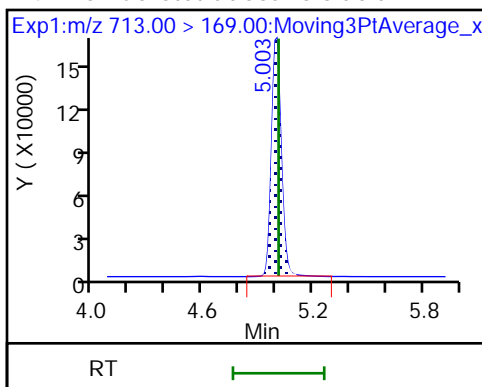
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid

42 Perfluorotetradecanoic acid (M)

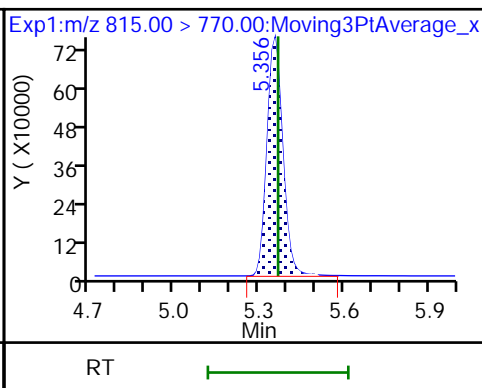
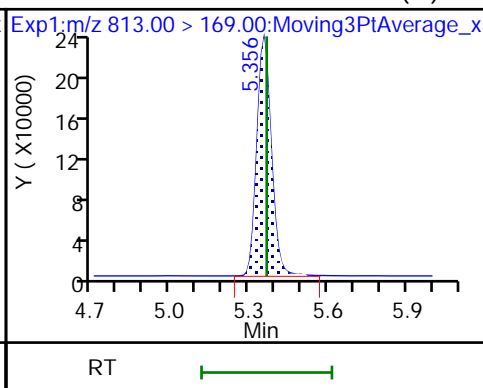
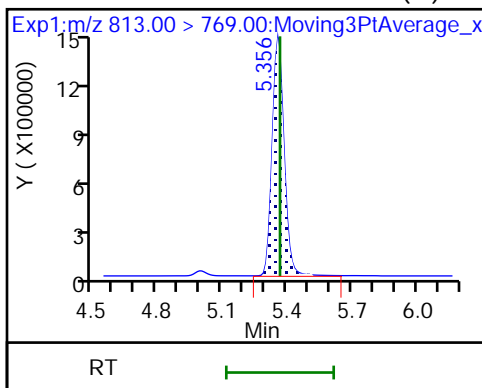
D 43 13C2 PFTeDA (M)



45 Perfluorohexadecanoic acid (M)

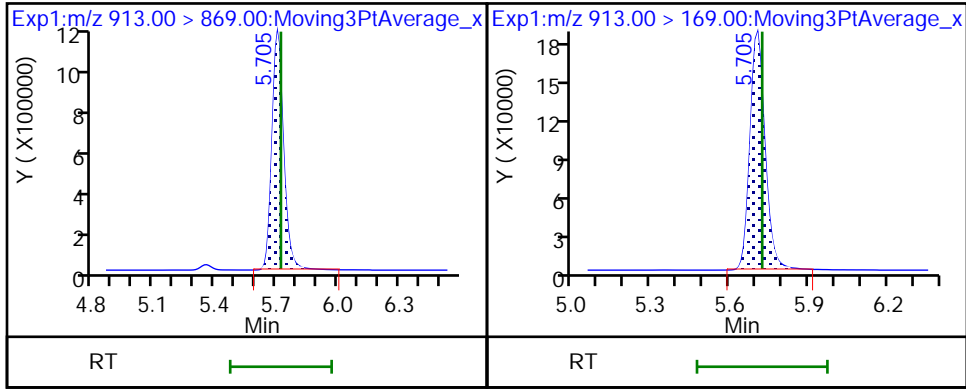
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

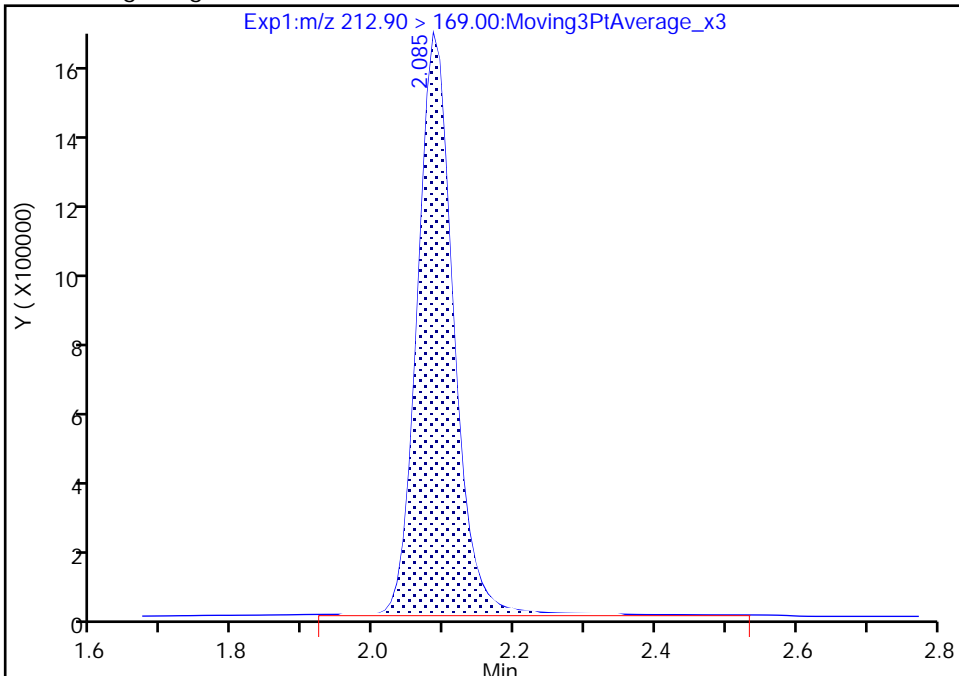
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

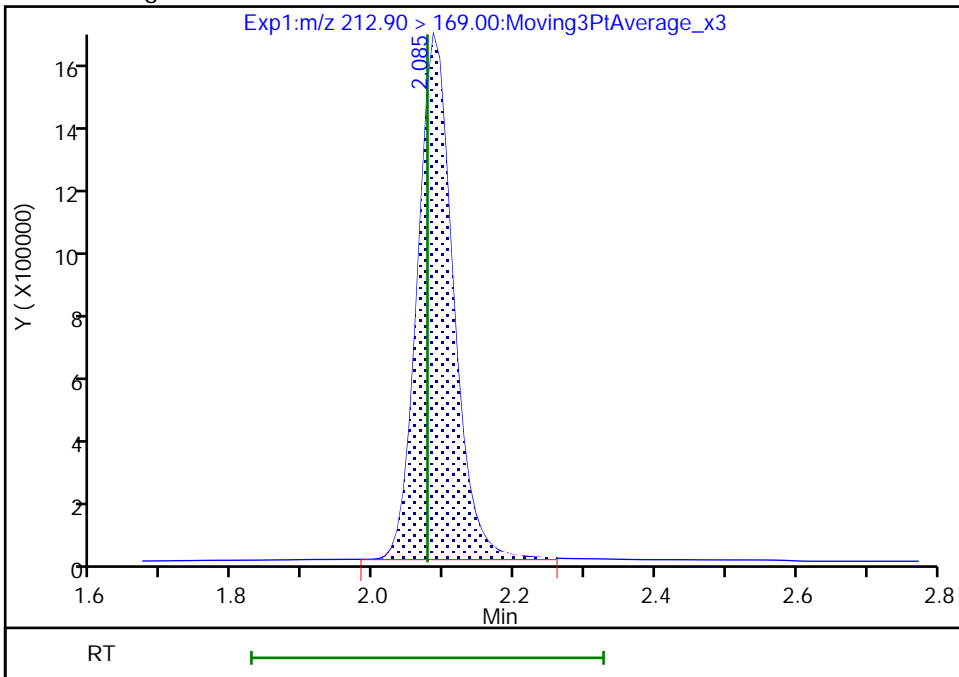
RT: 2.08
Area: 5837469
Amount: 2.344430
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 5804217
Amount: 2.331075
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:37:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

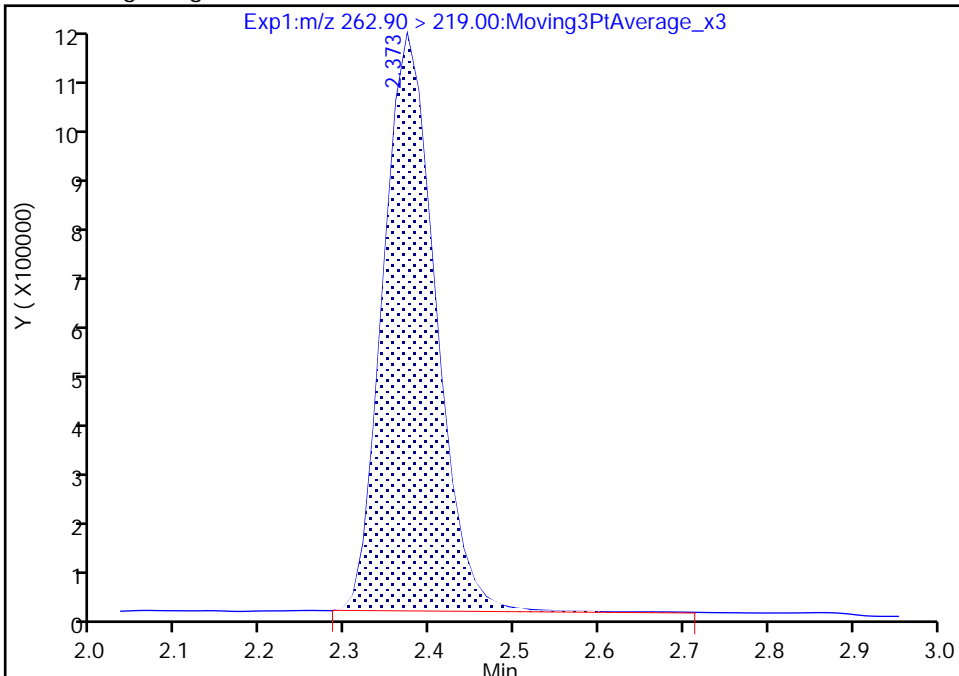
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

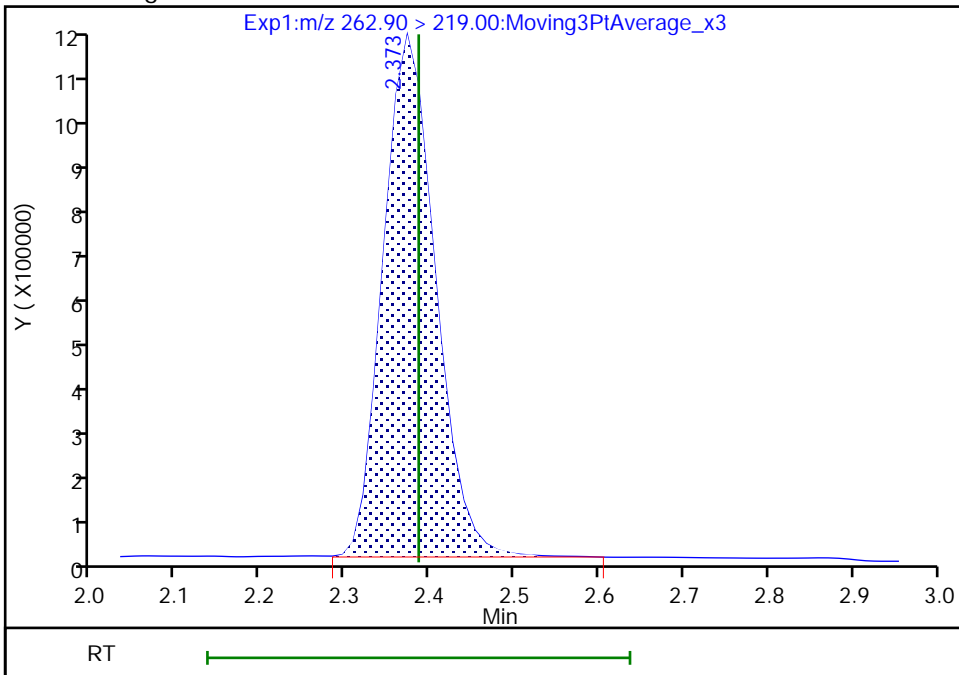
RT: 2.37
Area: 4769980
Amount: 2.413469
Amount Units: ng/ml

Processing Integration Results



RT: 2.37
Area: 4766051
Amount: 2.411481
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:37:27
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

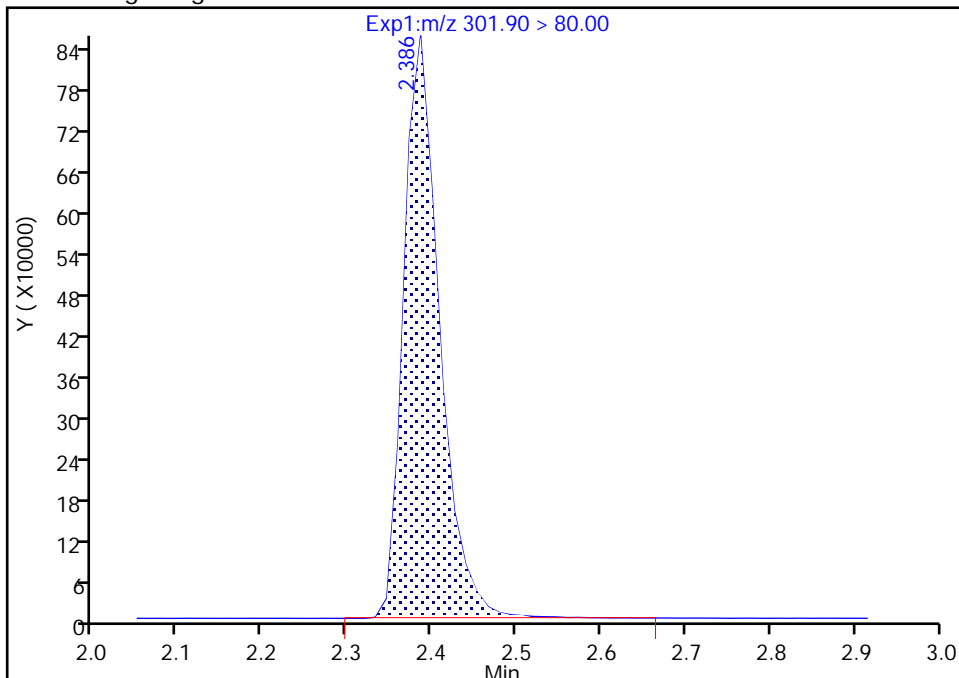
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

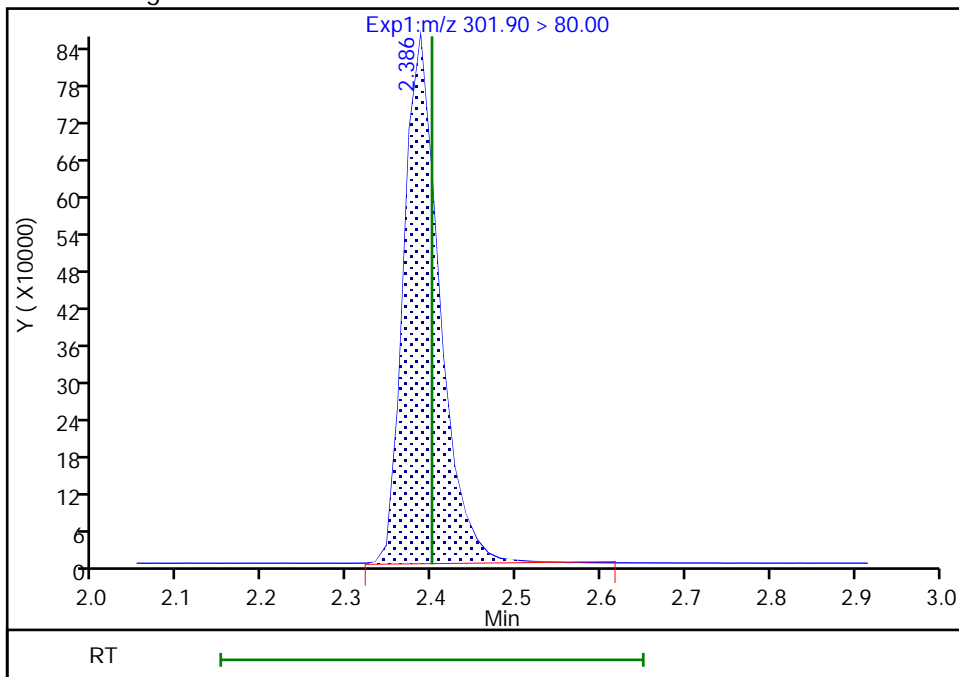
RT: 2.39
Area: 2515875
Amount: 1.322016
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 2512648
Amount: 1.320321
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:36:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

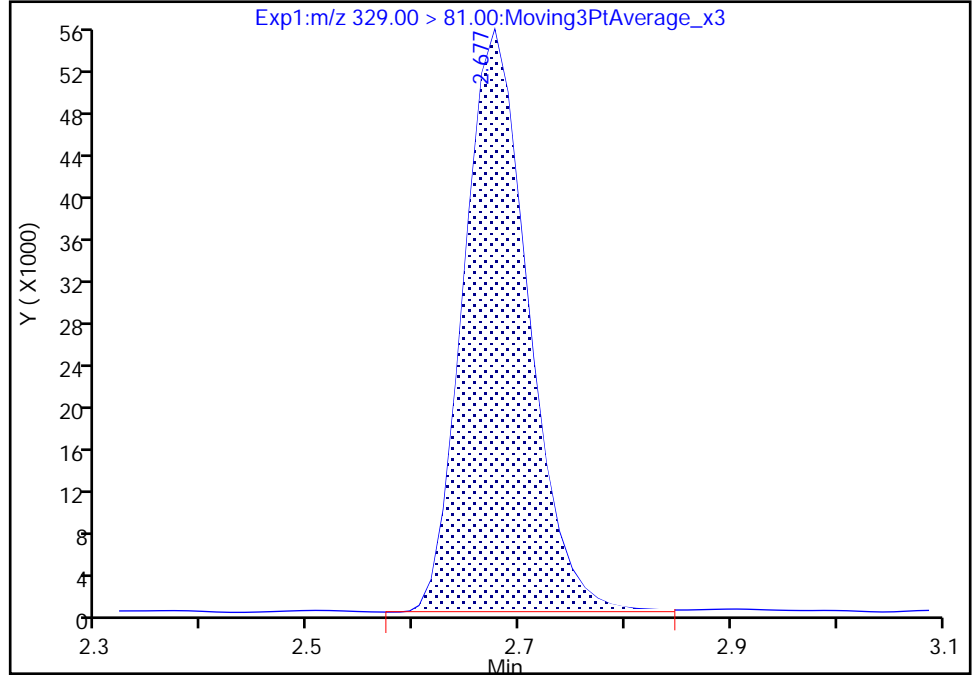
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 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

D 60 M2-4:2 FTS, CAS: STL02395
Signal: 1

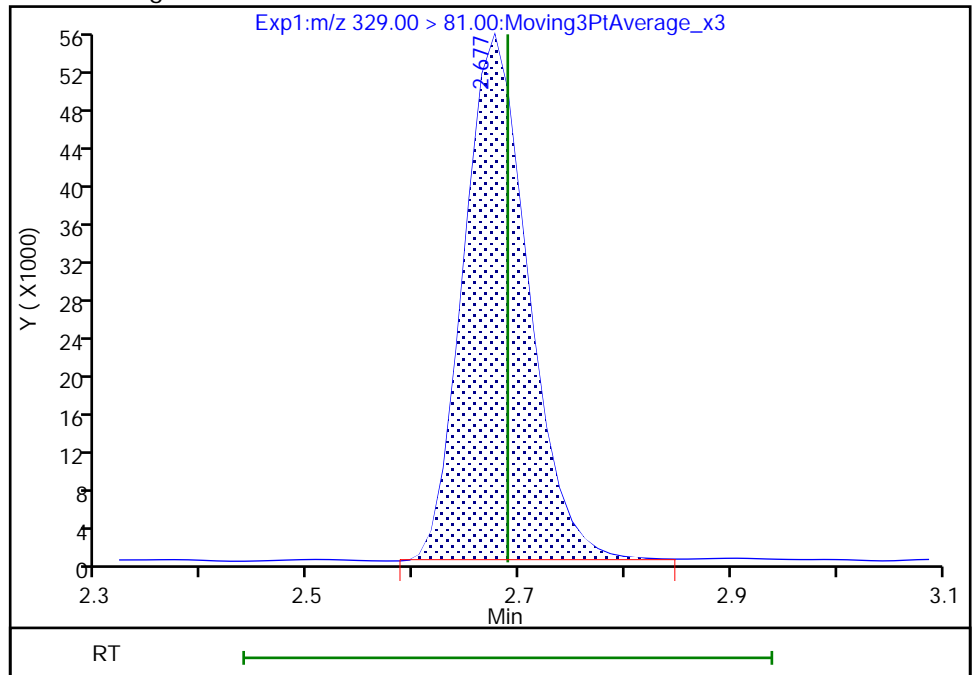
RT: 2.68
Area: 236745
Amount: 1.407869
Amount Units: ng/ml

Processing Integration Results



RT: 2.68
Area: 236028
Amount: 1.403606
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:36:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 619 of 939

Eurofins Burlington

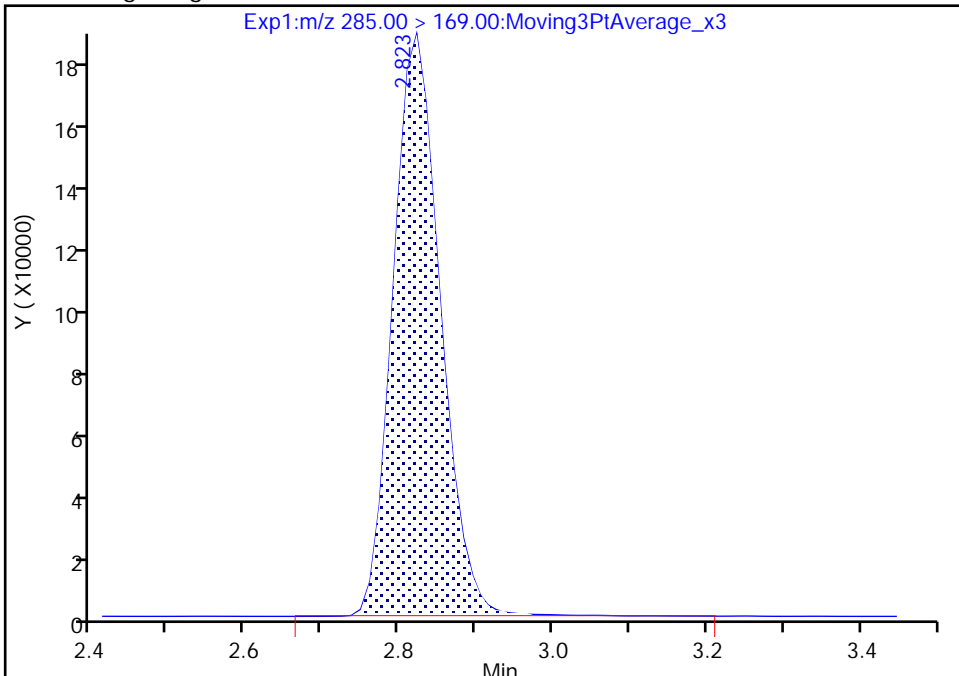
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

67 Perfluoro(2-propoxypropanoic) ac, CAS: 13252-13-6

Signal: 1

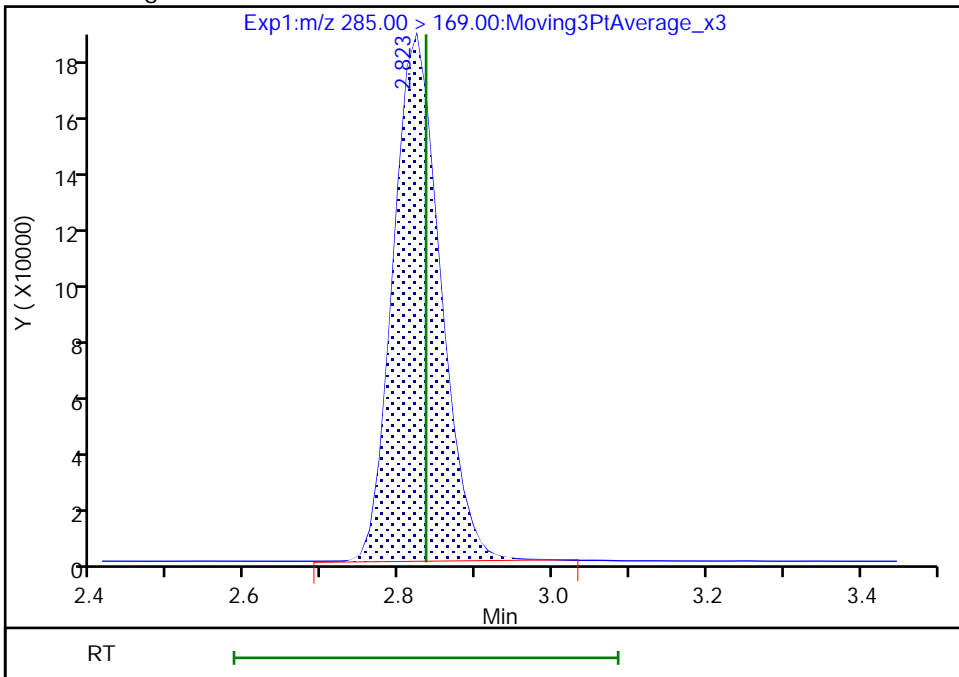
RT: 2.82
Area: 813341
Amount: 2.364536
Amount Units: ng/ml

Processing Integration Results



RT: 2.82
Area: 810518
Amount: 2.356329
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:37:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

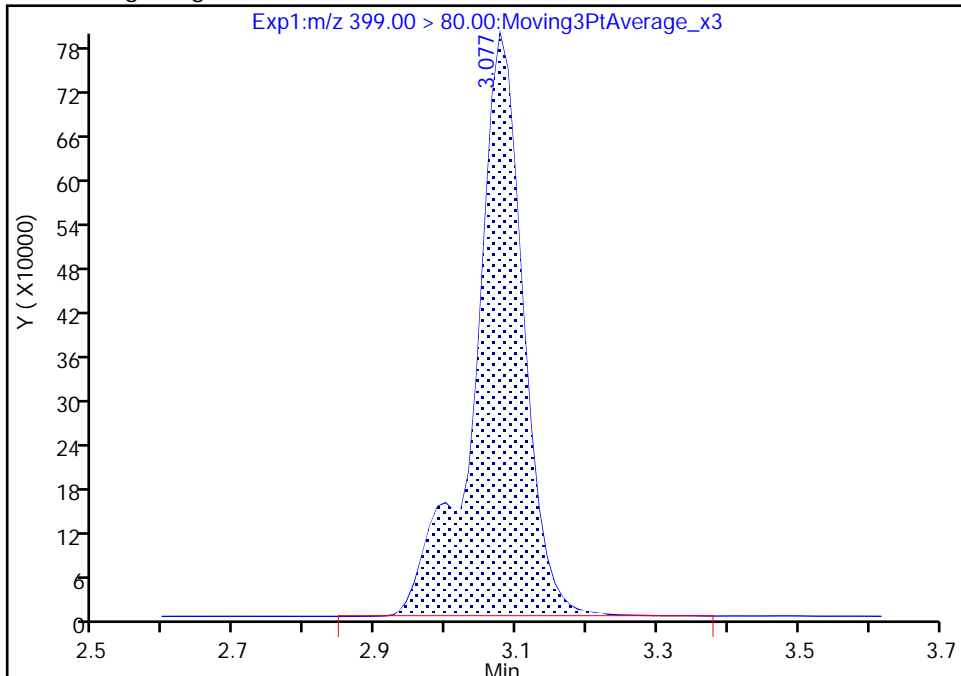
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

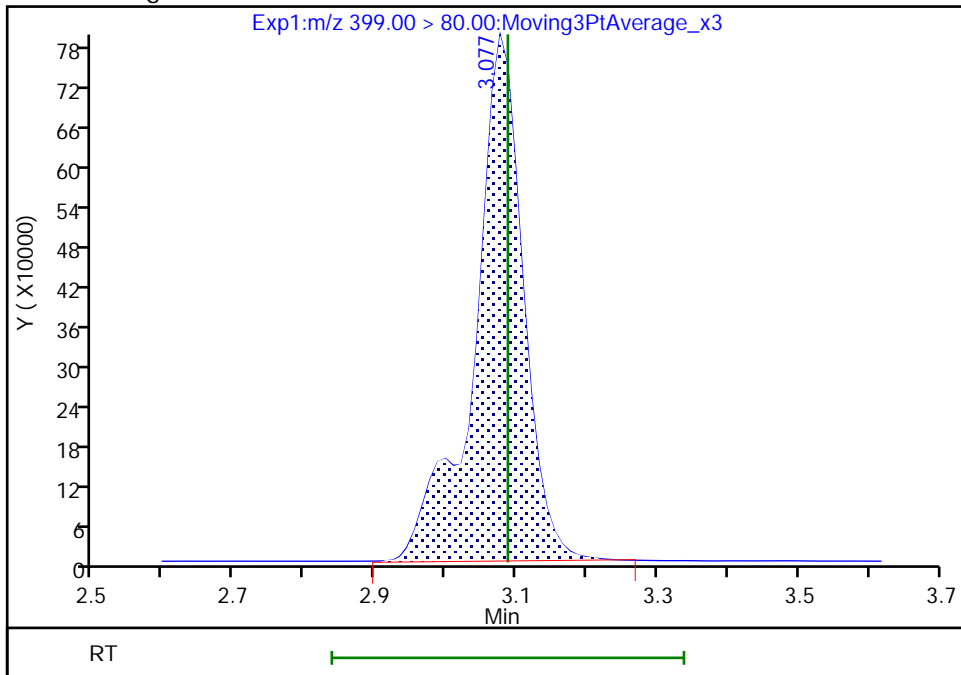
RT: 3.08
Area: 3874137
Amount: 2.174714
Amount Units: ng/ml

Processing Integration Results



RT: 3.08
Area: 3855518
Amount: 2.164263
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:37:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 621 of 939

Eurofins Burlington

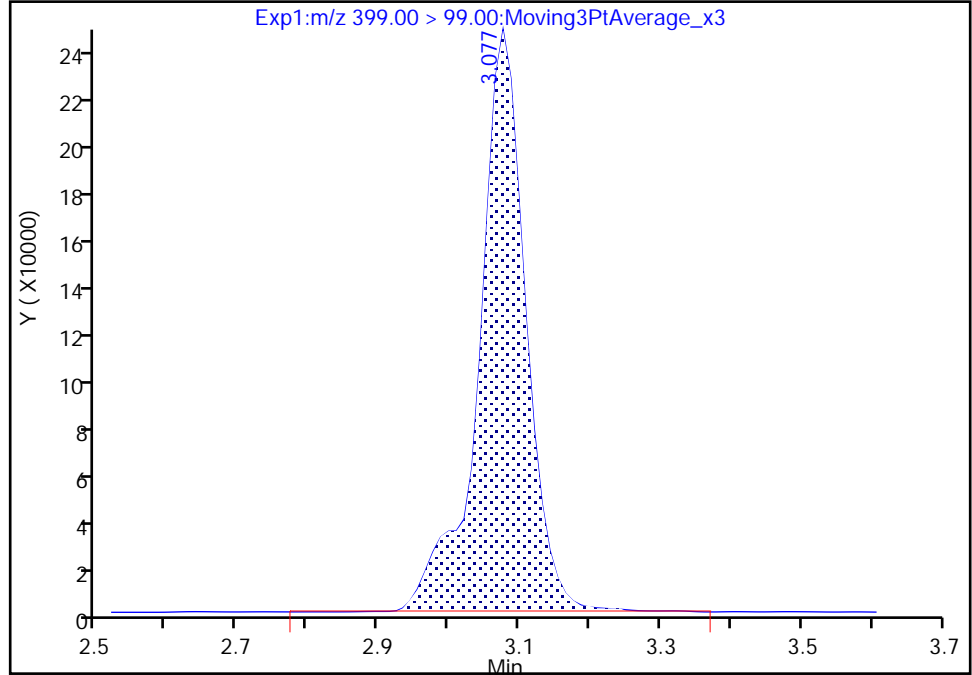
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

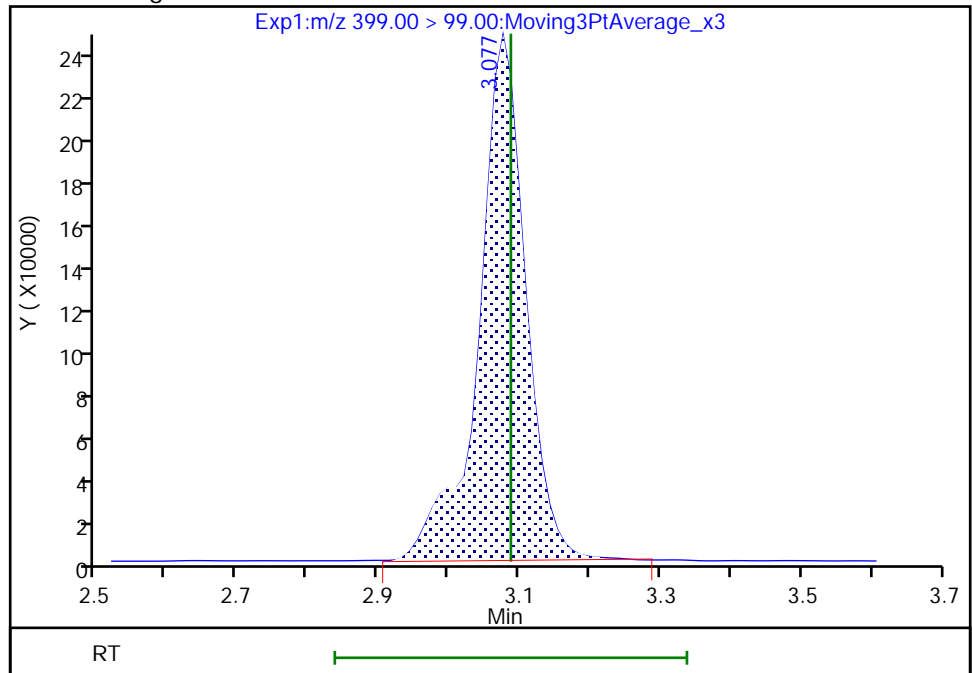
RT: 3.08
Area: 1145972
Amount: 2.174714
Amount Units: ng/ml

Processing Integration Results



RT: 3.08
Area: 1136529
Amount: 2.164263
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Dec-2022 11:38:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

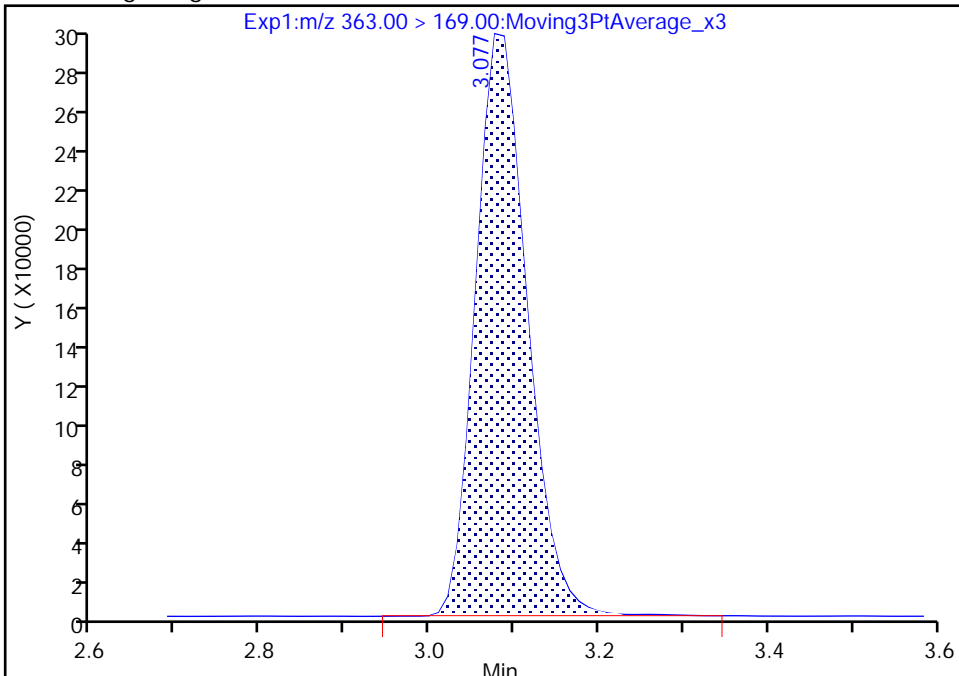
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

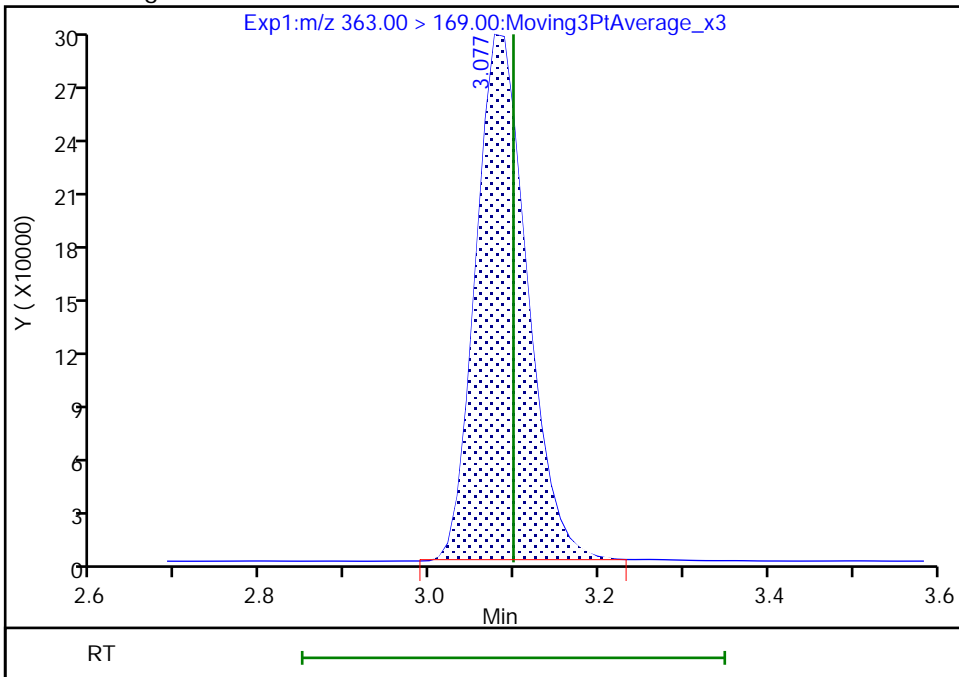
RT: 3.08
Area: 1242590
Amount: 2.390912
Amount Units: ng/ml

Processing Integration Results



RT: 3.08
Area: 1234184
Amount: 2.380262
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:38:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

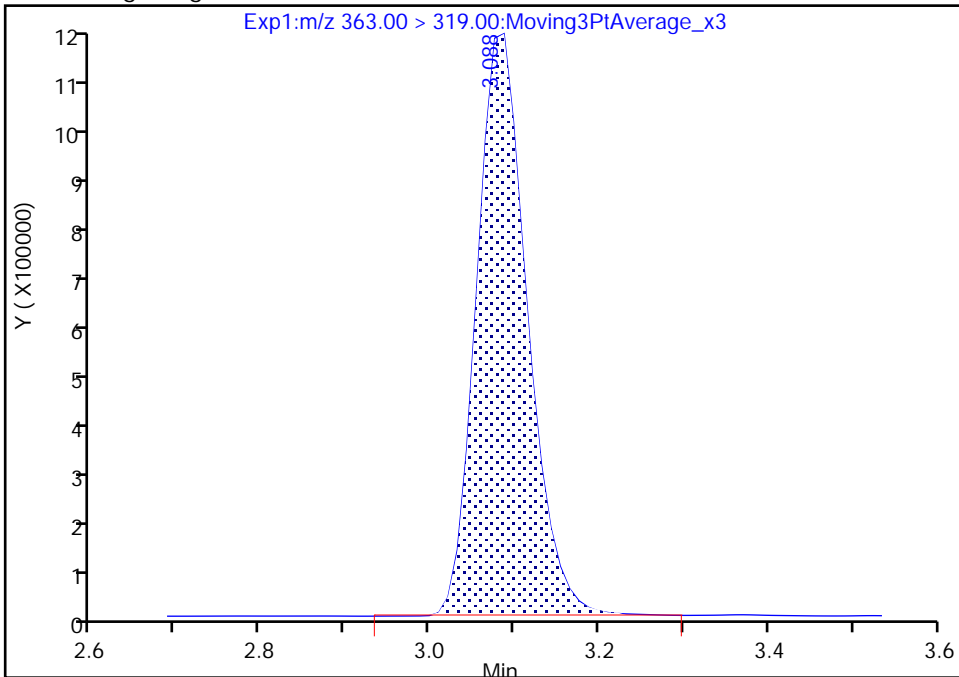
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

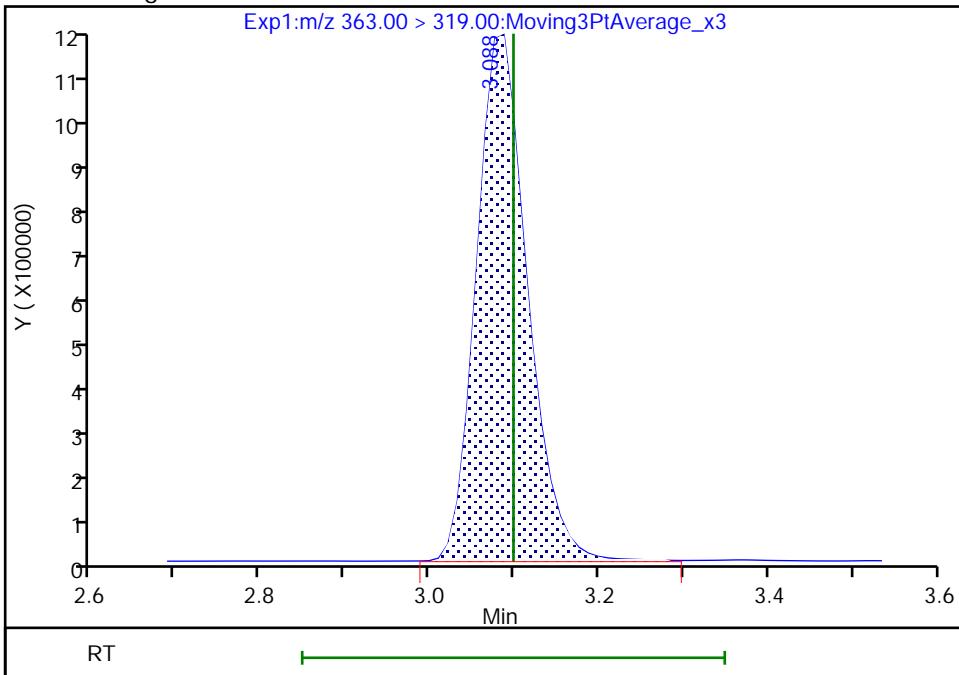
RT: 3.09
Area: 4817833
Amount: 2.390912
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 4796373
Amount: 2.380262
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Dec-2022 11:38:10

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

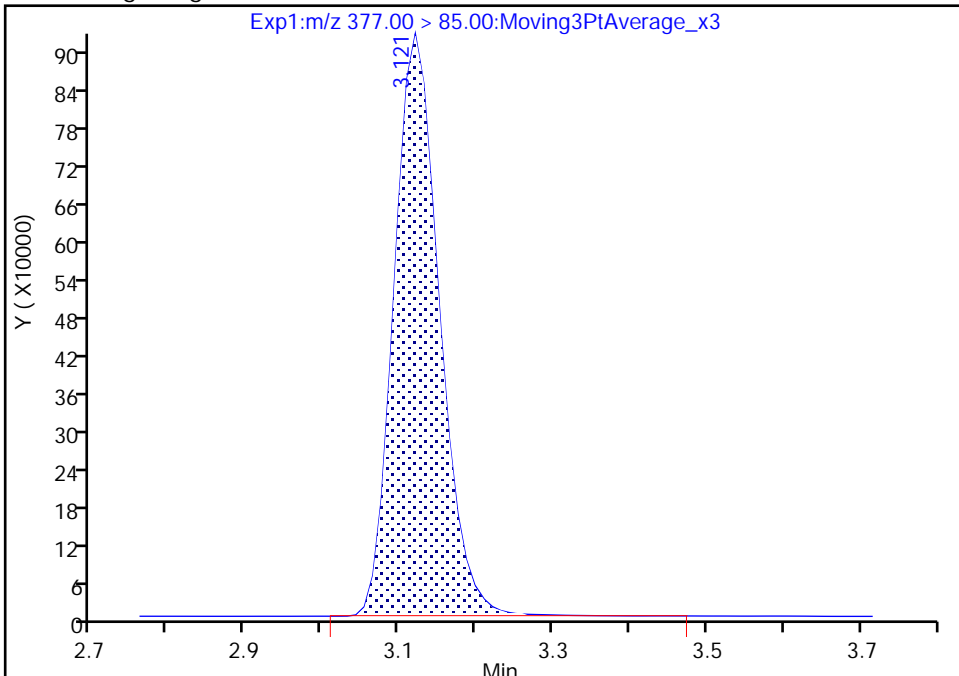
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 2

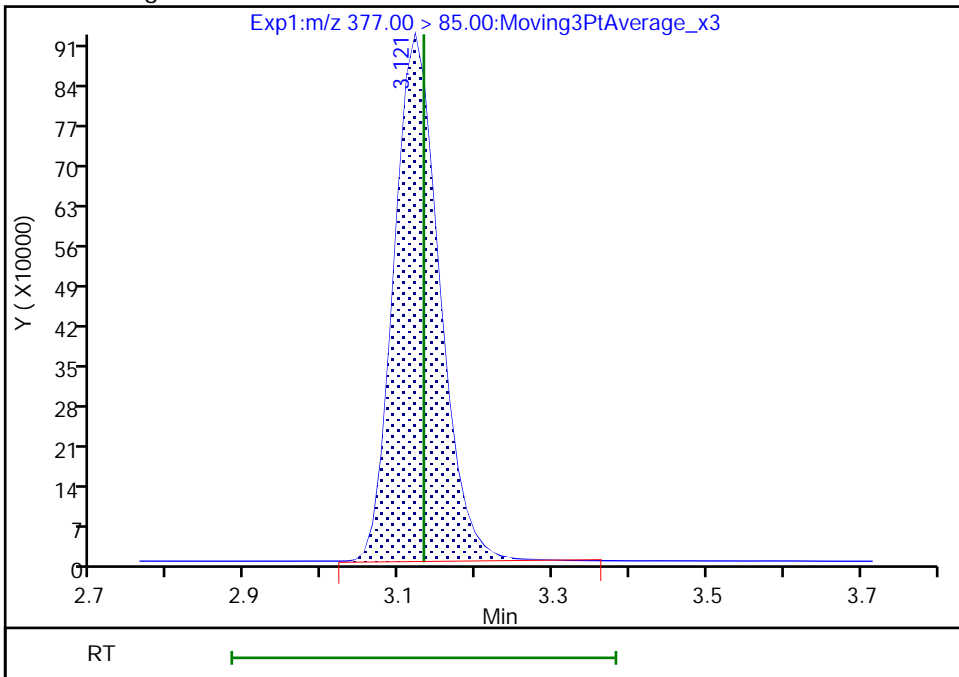
RT: 3.12
Area: 3789112
Amount: 1.955380
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 3782890
Amount: 1.955152
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:38:20
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 625 of 939

Eurofins Burlington

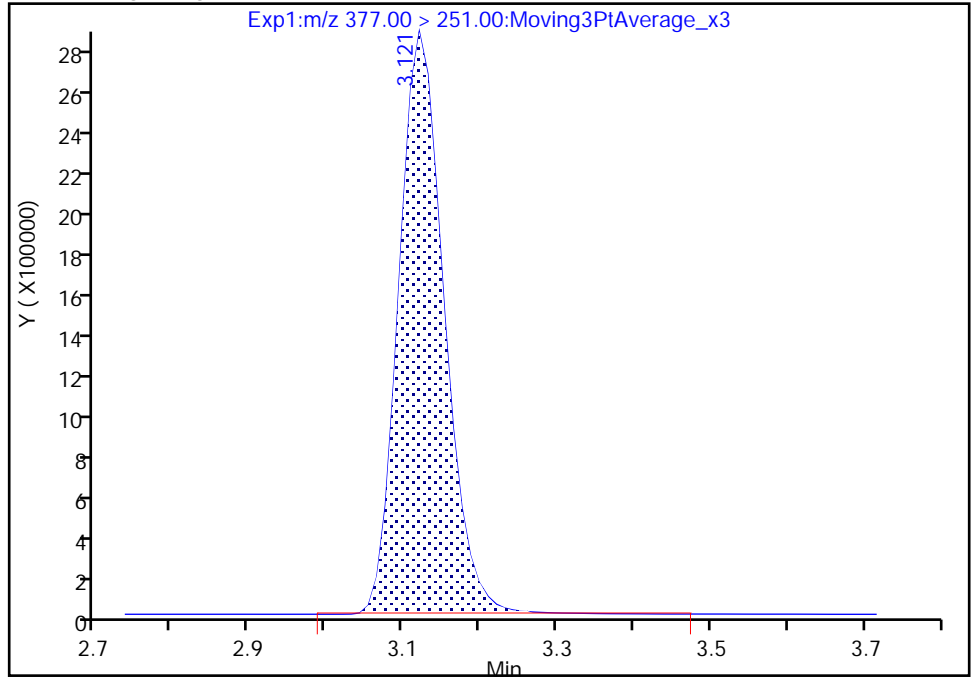
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 1

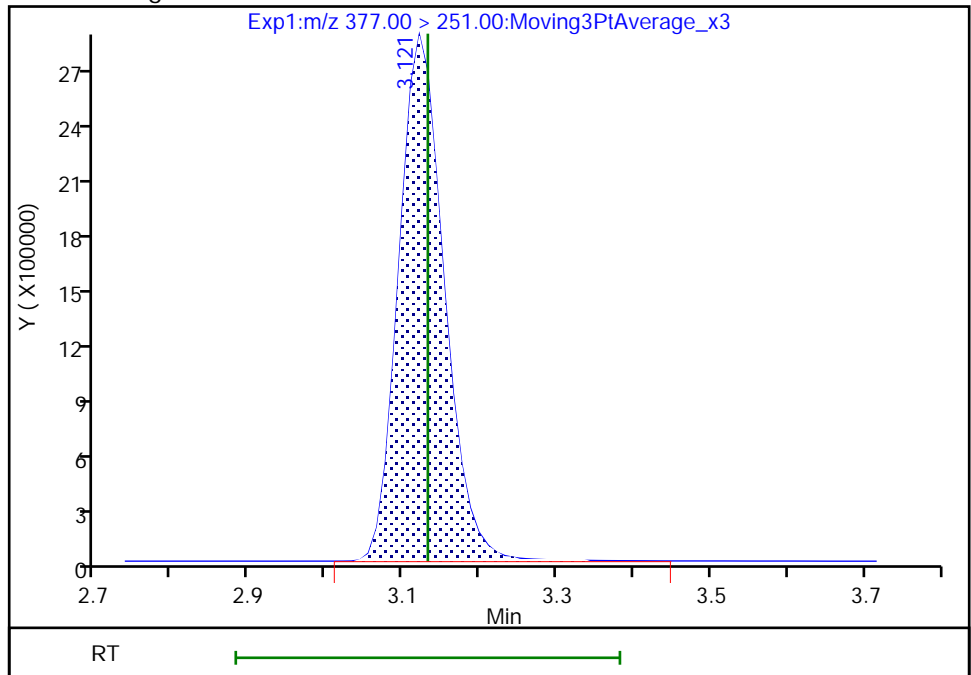
RT: 3.12
Area: 11571873
Amount: 1.955380
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 11570524
Amount: 1.955152
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:38:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

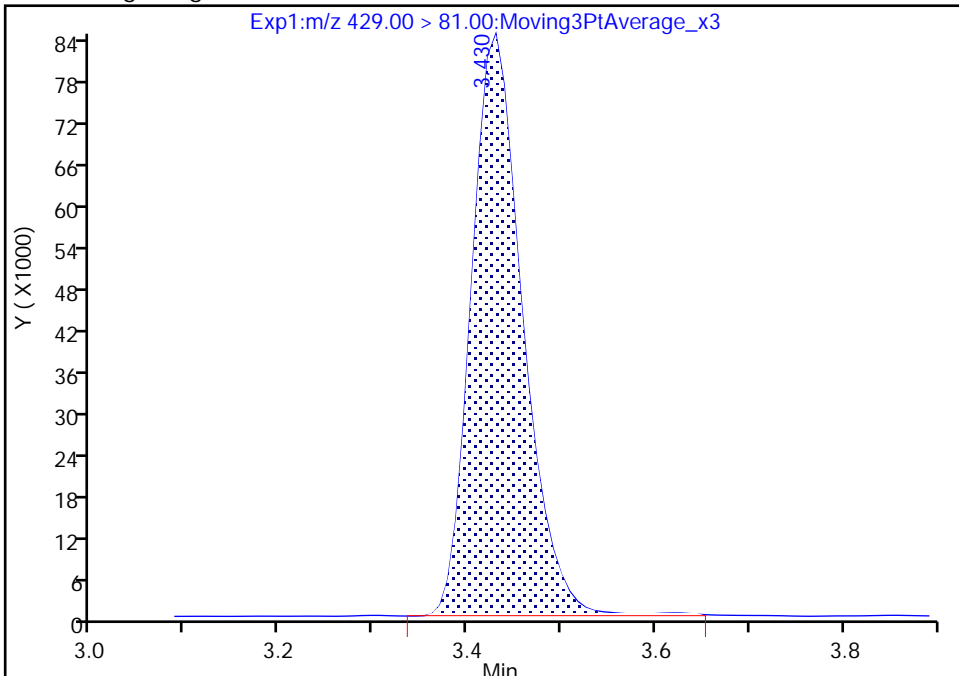
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

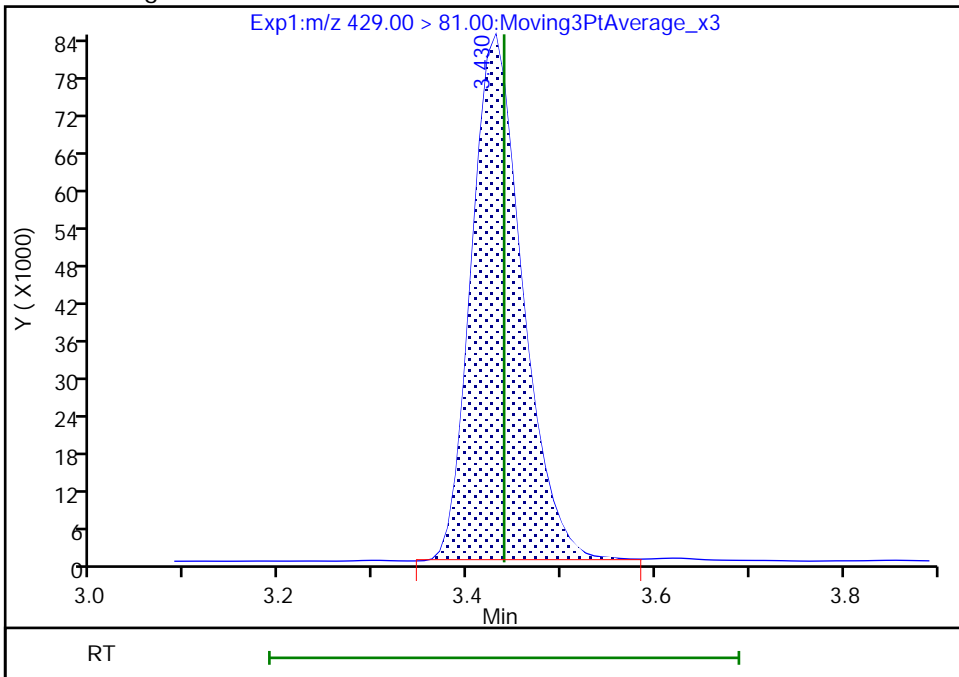
RT: 3.43
Area: 320562
Amount: 1.378887
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 318830
Amount: 1.371437
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:36:28
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 627 of 939

Eurofins Burlington

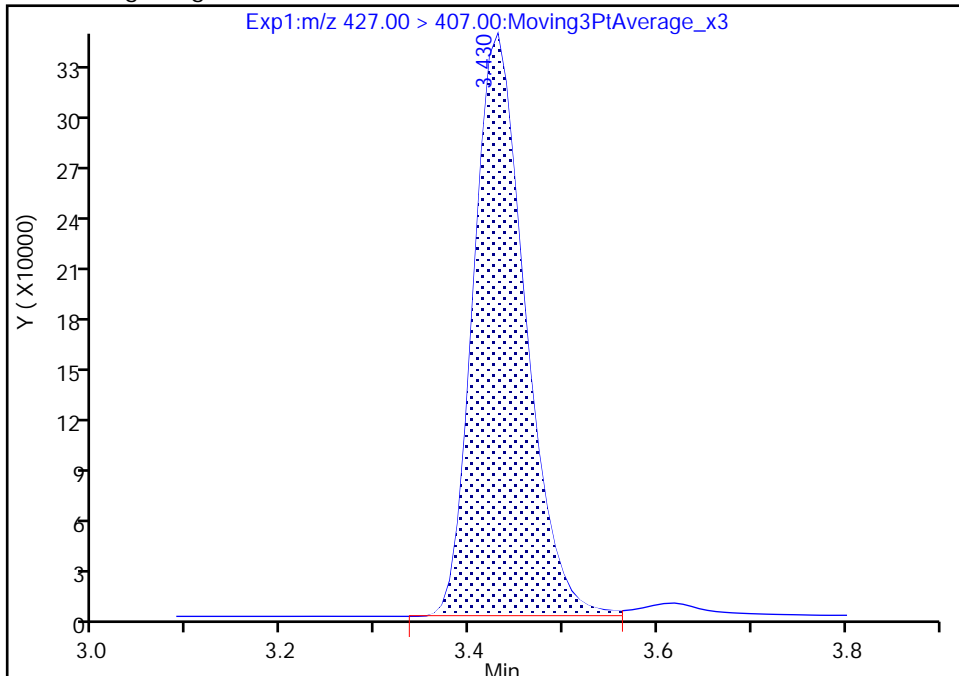
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

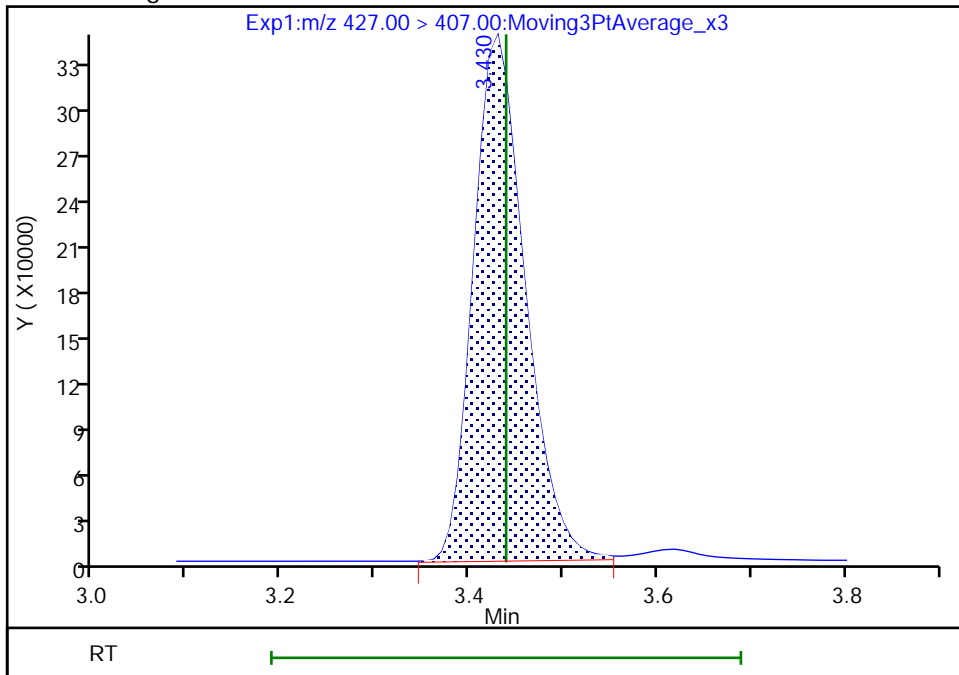
RT: 3.43
Area: 1332467
Amount: 2.337442
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 1328586
Amount: 2.330599
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:38:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

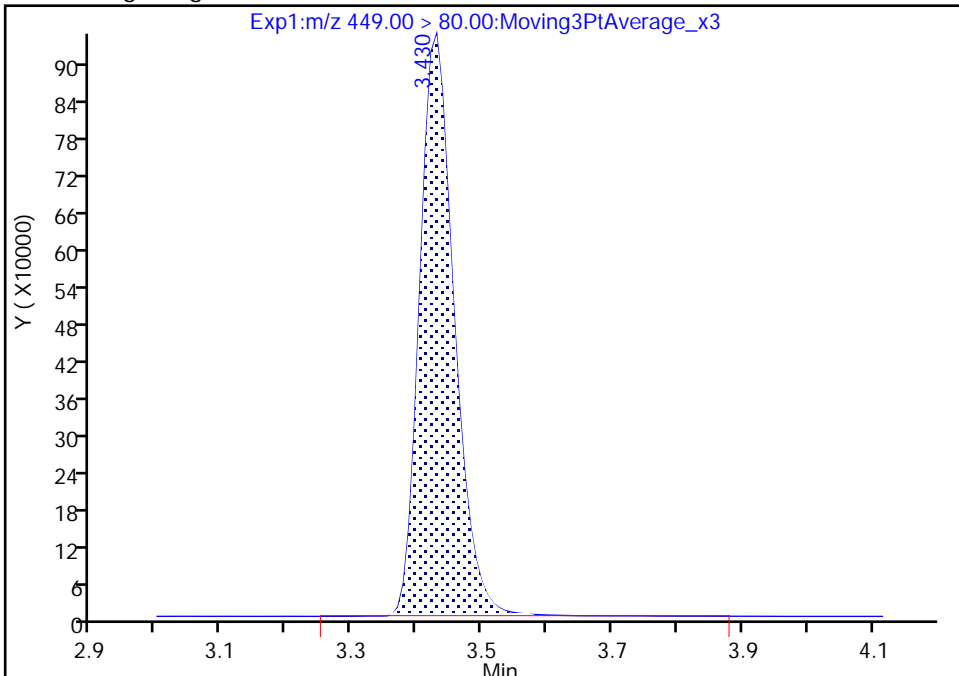
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

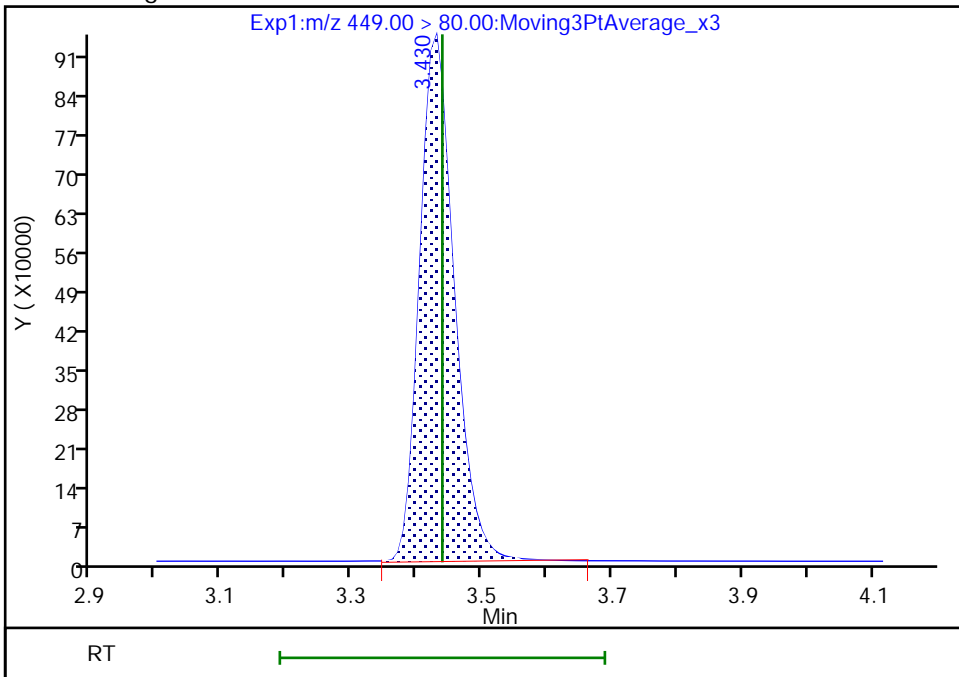
RT: 3.43
Area: 3479400
Amount: 2.318163
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 3465224
Amount: 2.308718
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:39:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

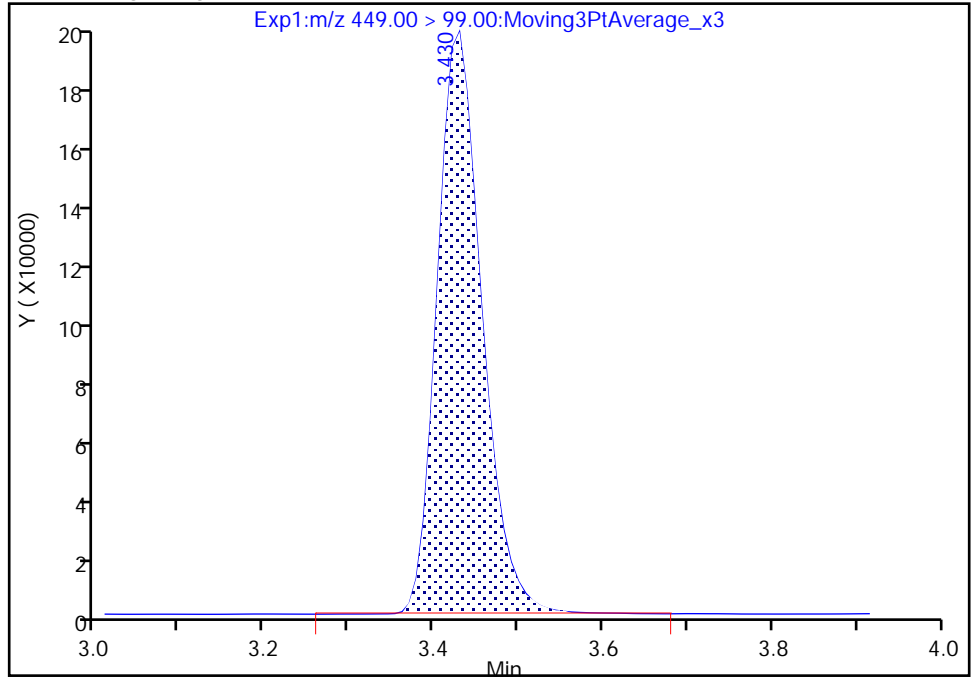
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

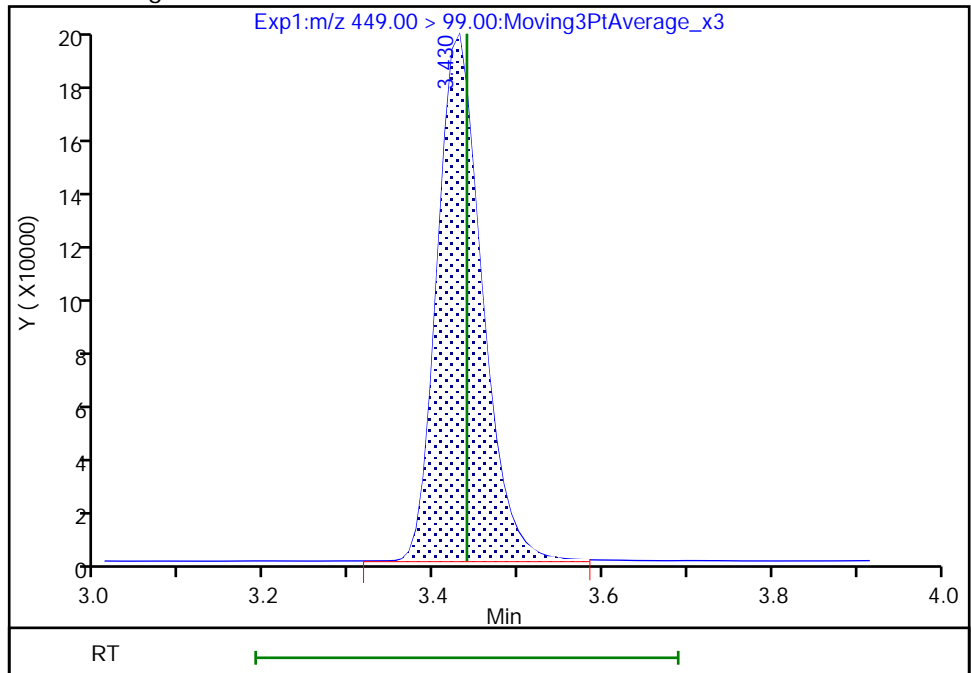
RT: 3.43
Area: 720173
Amount: 2.318163
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 718749
Amount: 2.308718
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Dec-2022 11:39:05

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

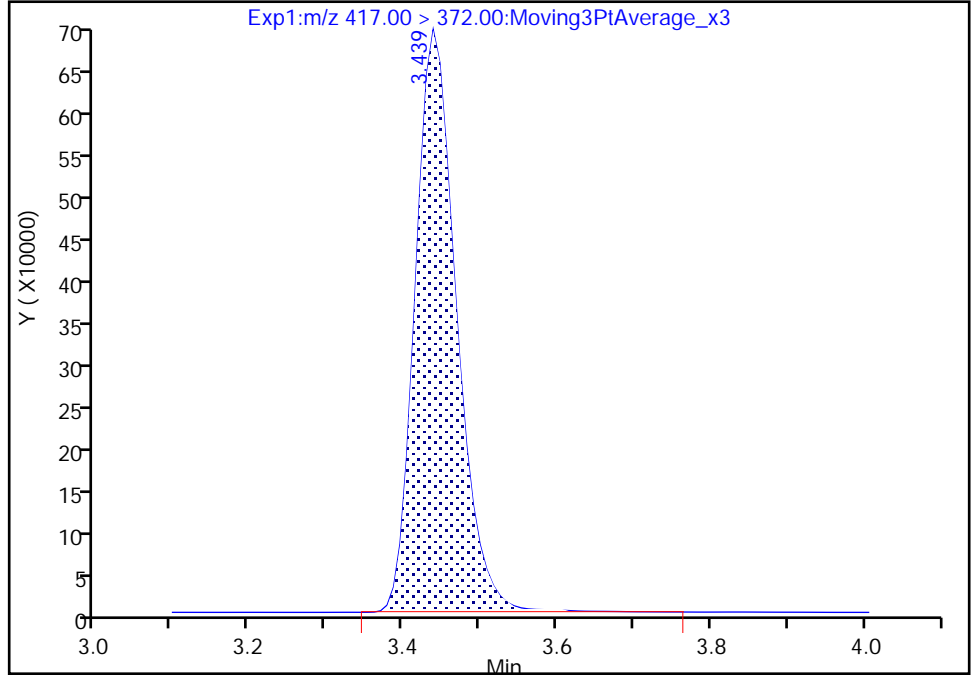
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 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

D 14 13C4 PFOA, CAS: STL00990
Signal: 1

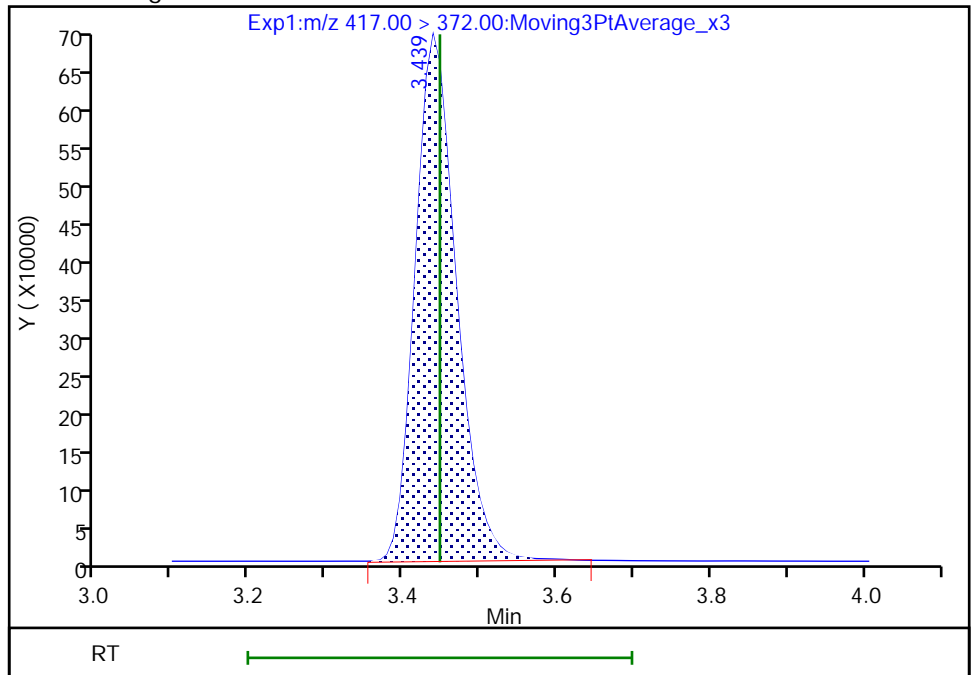
RT: 3.44
Area: 2578606
Amount: 1.215050
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 2567521
Amount: 1.209826
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:36:36
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 631 of 939

Eurofins Burlington

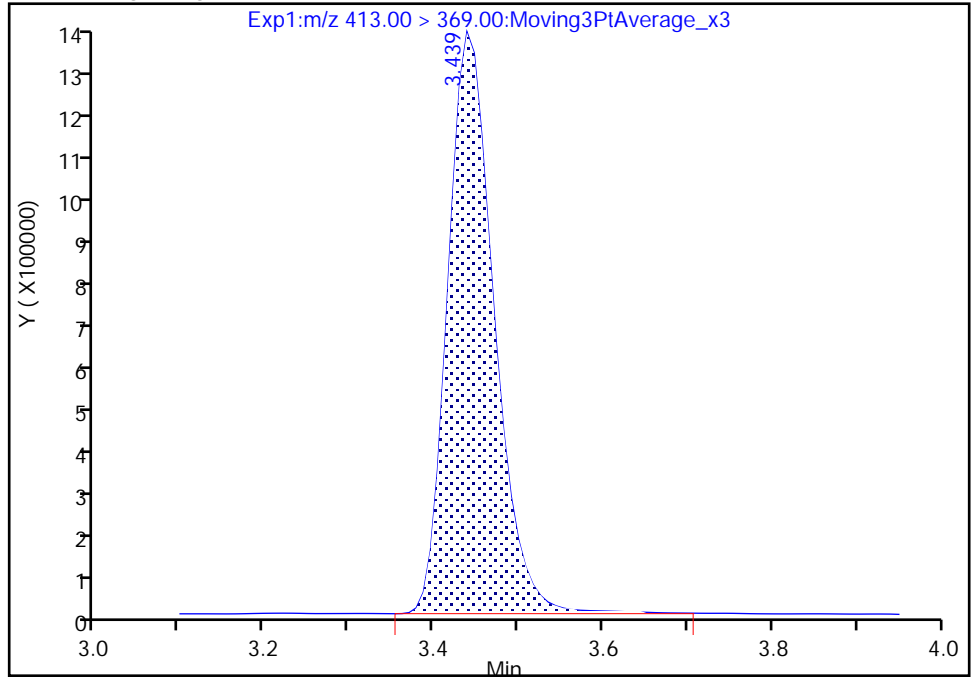
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

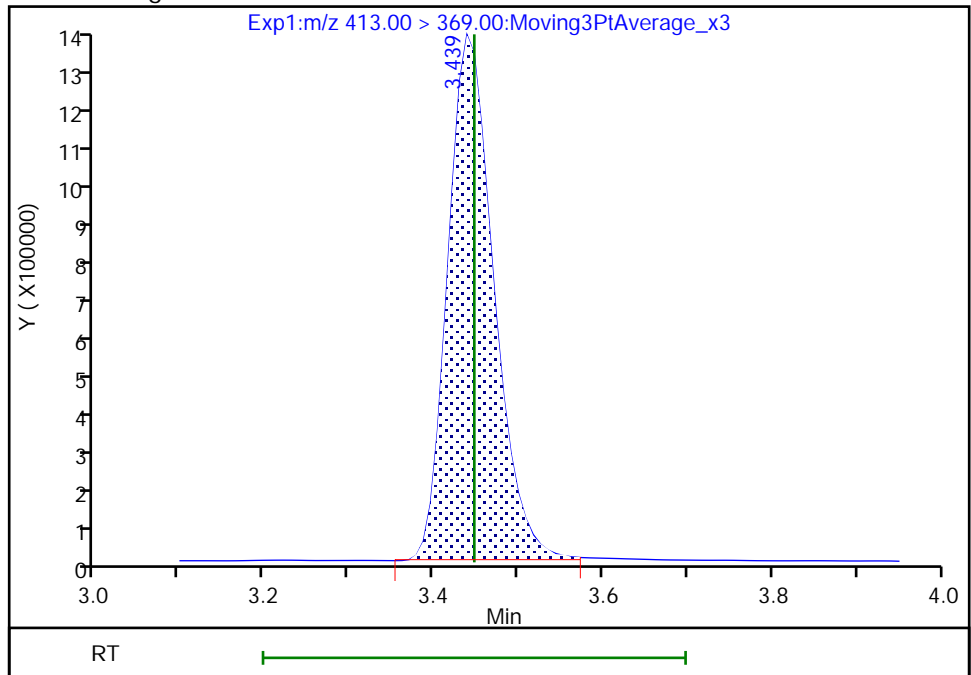
RT: 3.44
Area: 5298391
Amount: 2.412943
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 5261459
Amount: 2.396124
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:39:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

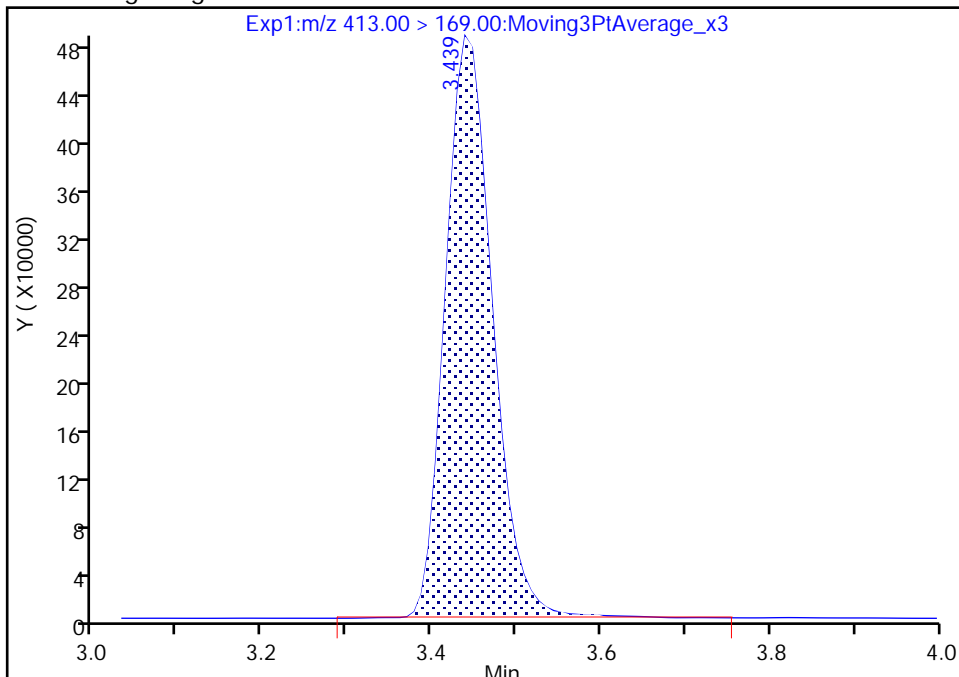
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

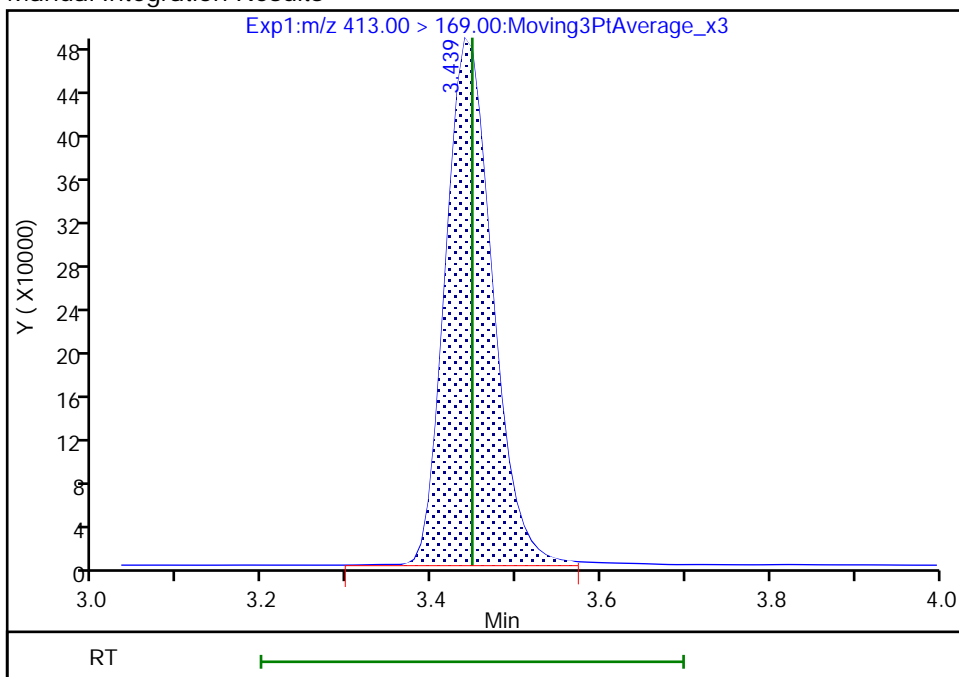
RT: 3.44
Area: 1860974
Amount: 2.412943
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 1849794
Amount: 2.396124
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Dec-2022 11:39:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

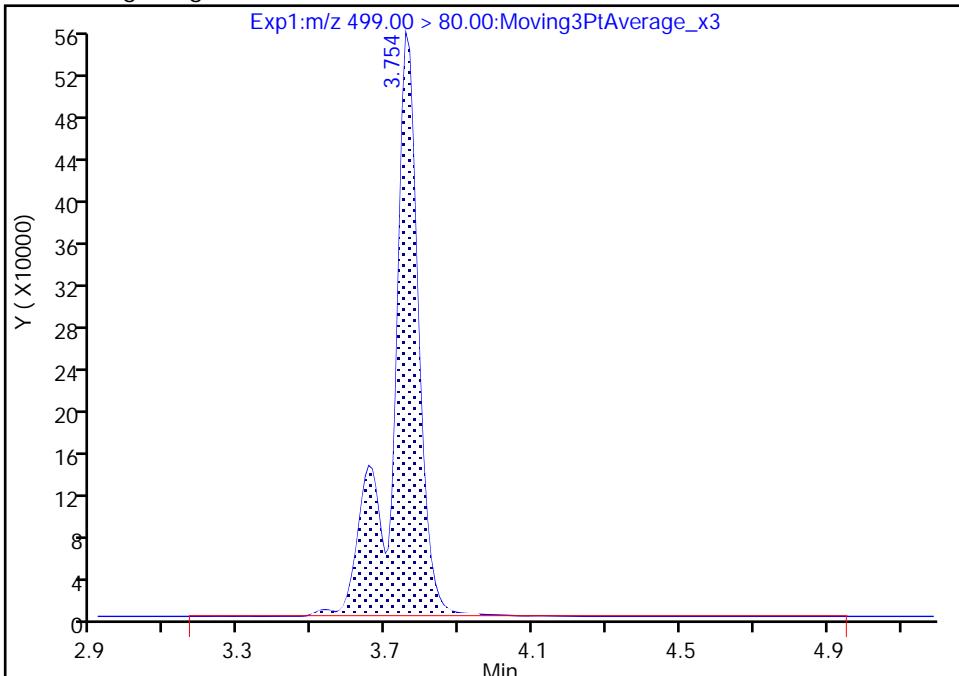
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

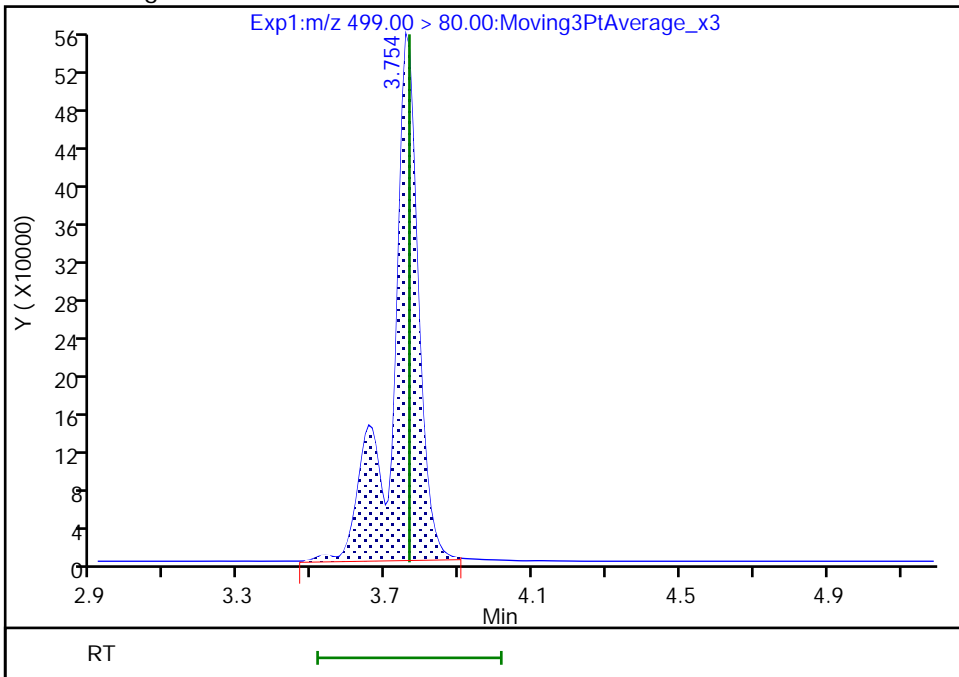
RT: 3.75
Area: 2791274
Amount: 2.135835
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 2764401
Amount: 2.115272
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

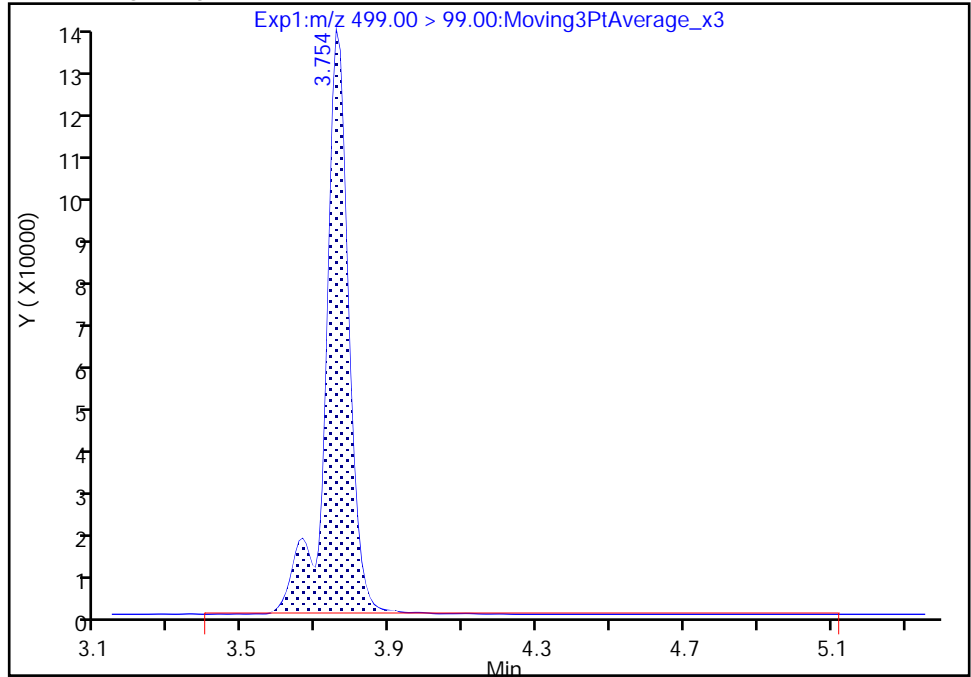
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

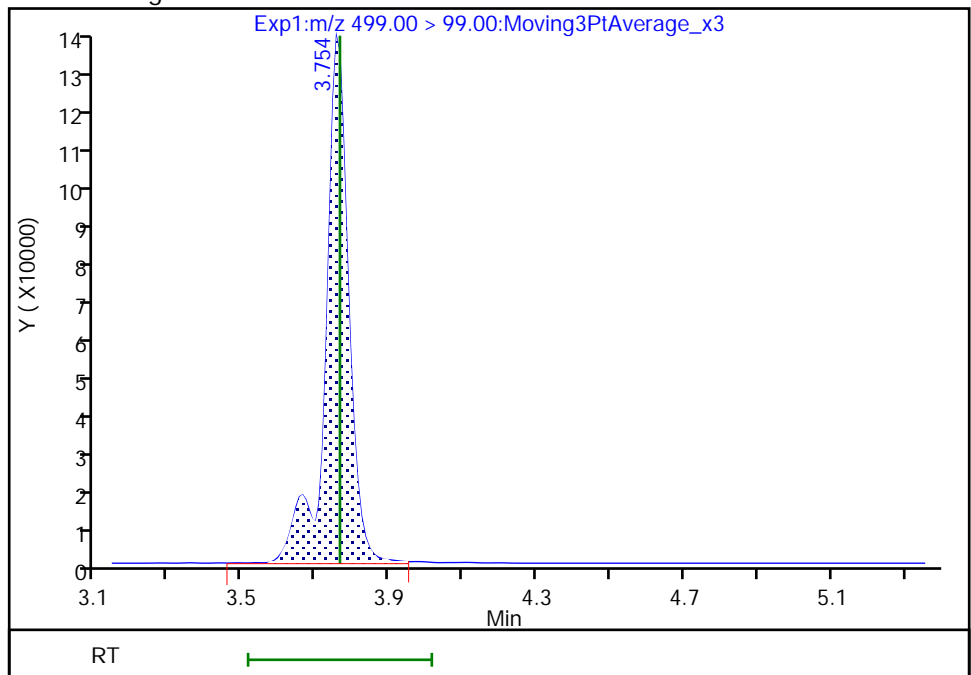
RT: 3.75
Area: 619757
Amount: 2.135835
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 614417
Amount: 2.115272
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:40:22

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

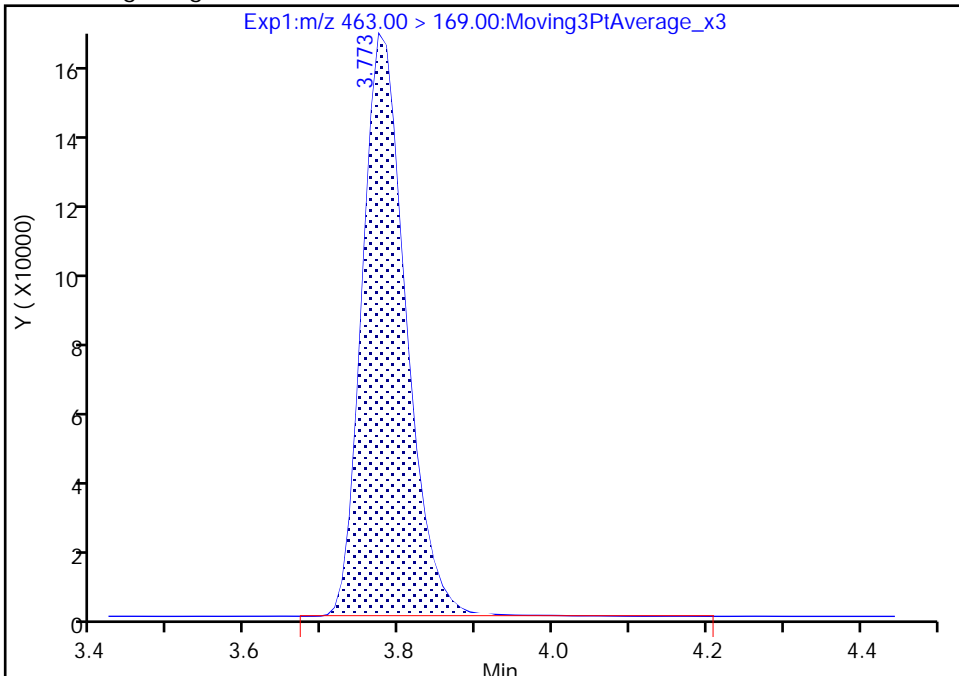
Data File:	\\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d		
Injection Date:	02-Dec-2022 15:08:37	Instrument ID:	LC812
Lims ID:	CCV L5		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	20
		Worklist Smp#:	23
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

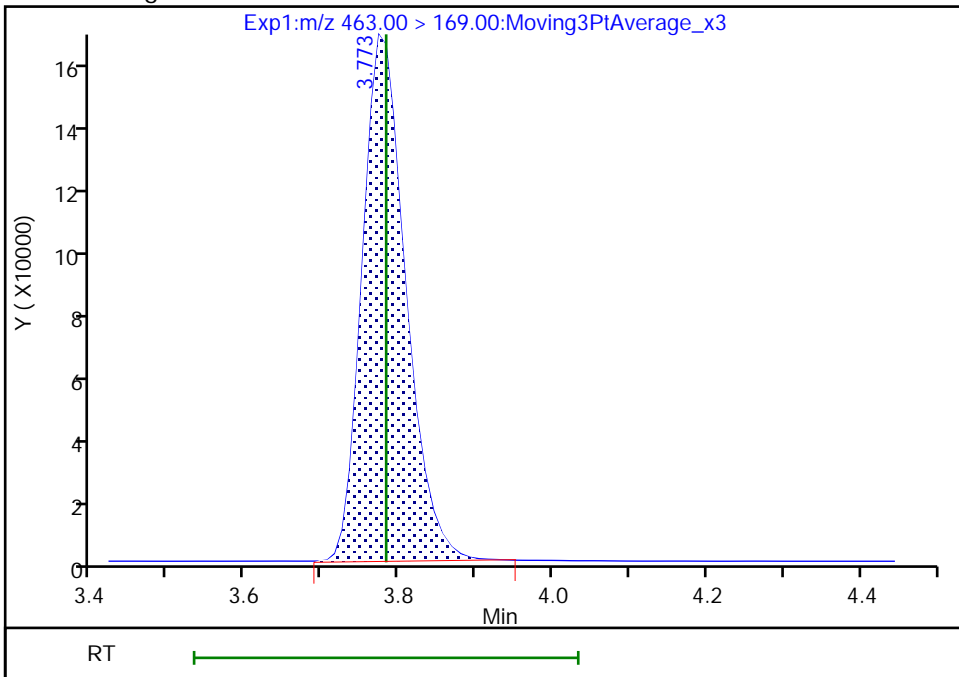
RT: 3.77
 Area: 636964
 Amount: 2.313196
 Amount Units: ng/ml

Processing Integration Results



RT: 3.77
 Area: 634307
 Amount: 2.313196
 Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:40:36
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

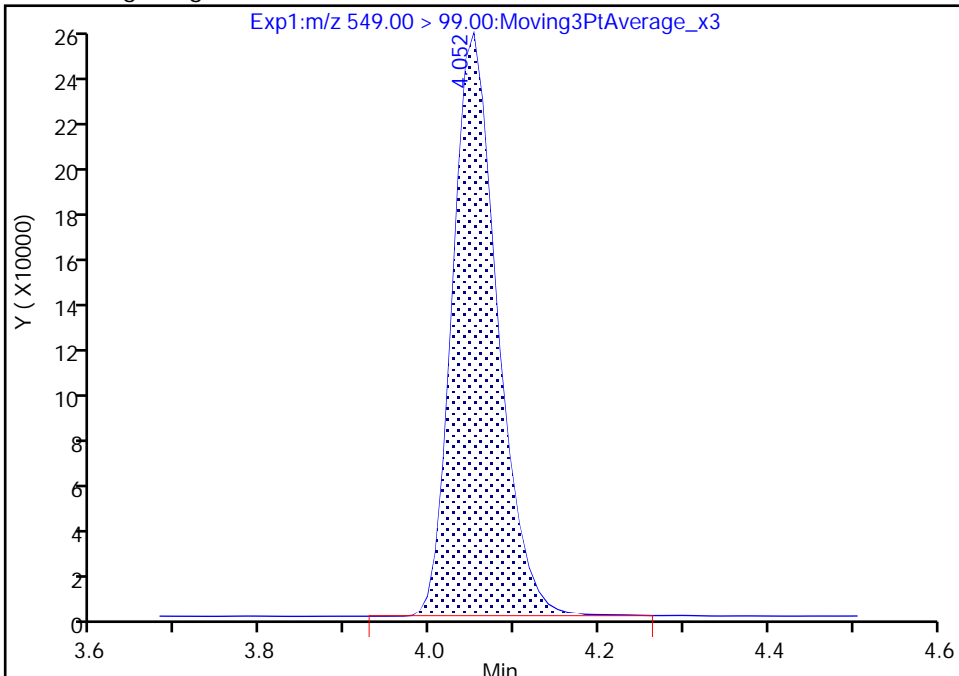
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 2

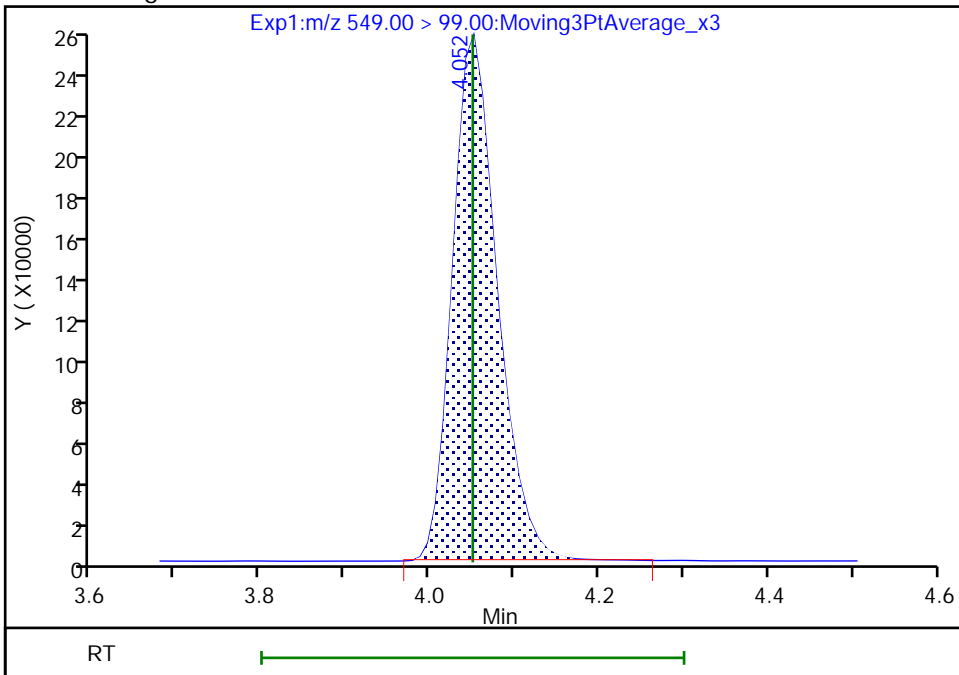
RT: 4.05
Area: 930704
Amount: 2.283864
Amount Units: ng/ml

Processing Integration Results



RT: 4.05
Area: 927770
Amount: 2.282141
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:40:44
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

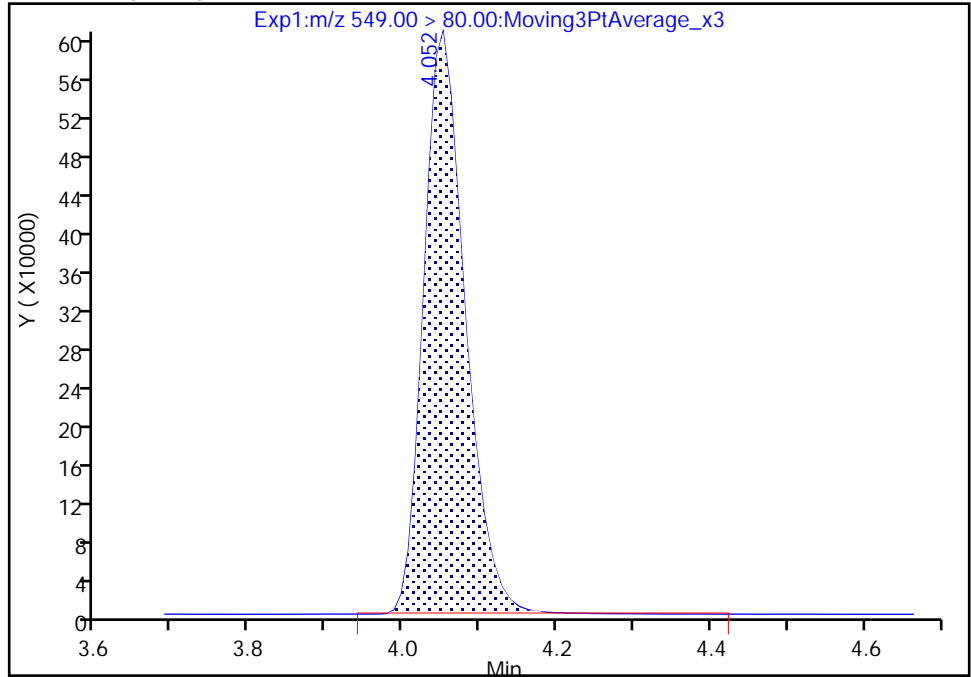
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 1

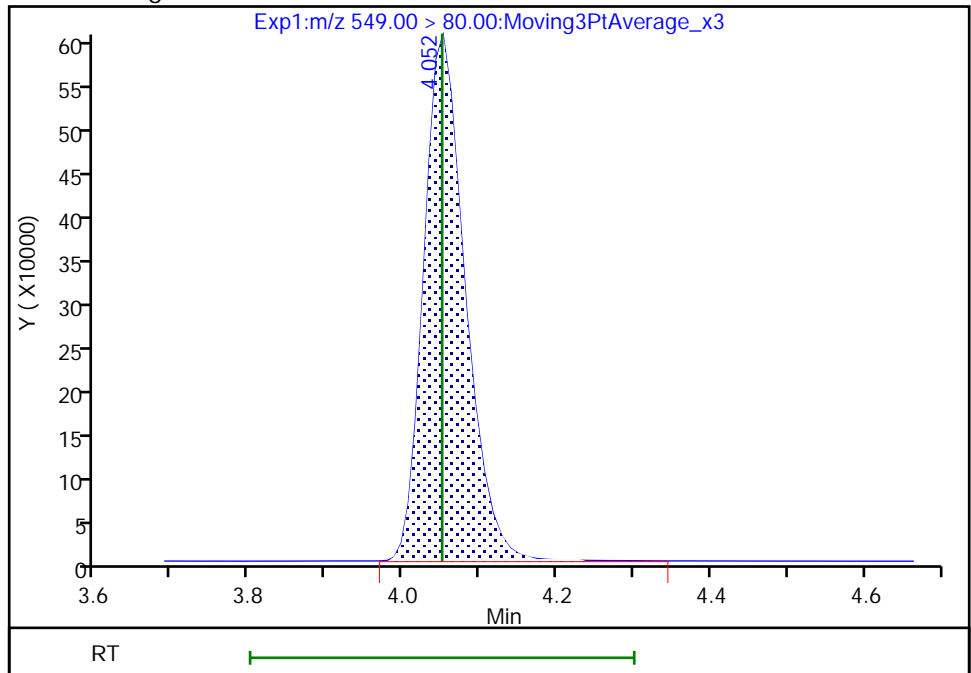
RT: 4.05
Area: 2252791
Amount: 2.283864
Amount Units: ng/ml

Processing Integration Results



RT: 4.05
Area: 2251091
Amount: 2.282141
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Dec-2022 11:40:50

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

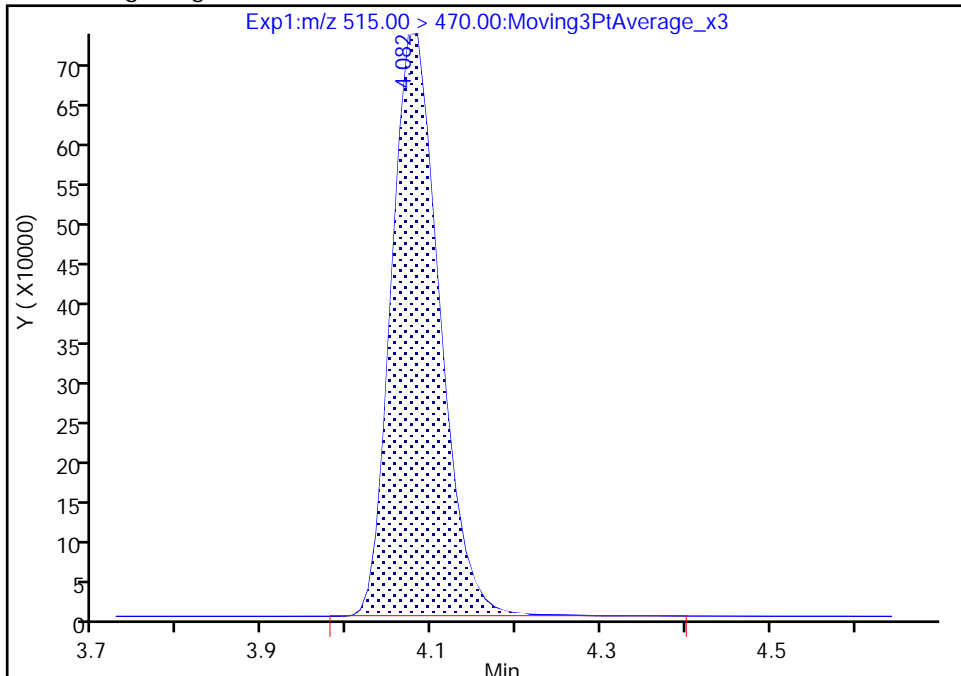
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

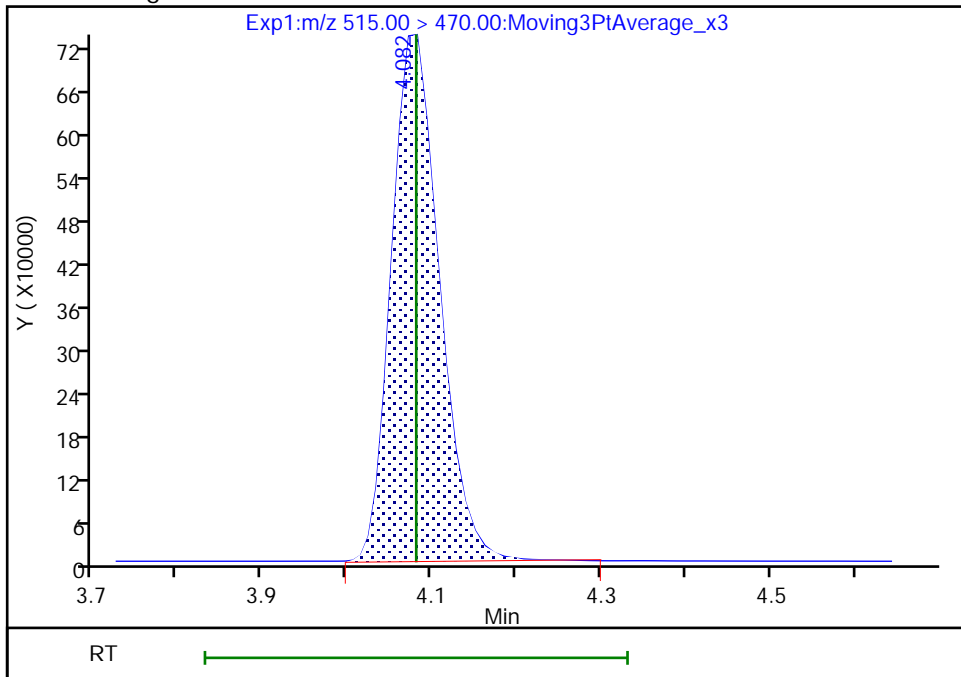
RT: 4.08
Area: 2917937
Amount: 1.388467
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 2911015
Amount: 1.385174
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:36:45
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

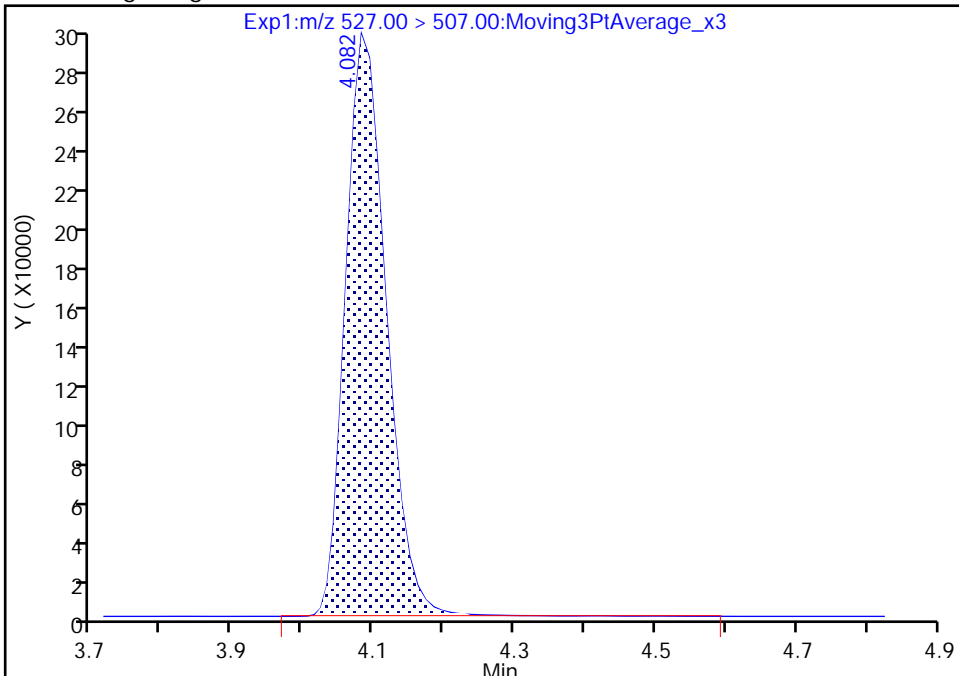
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

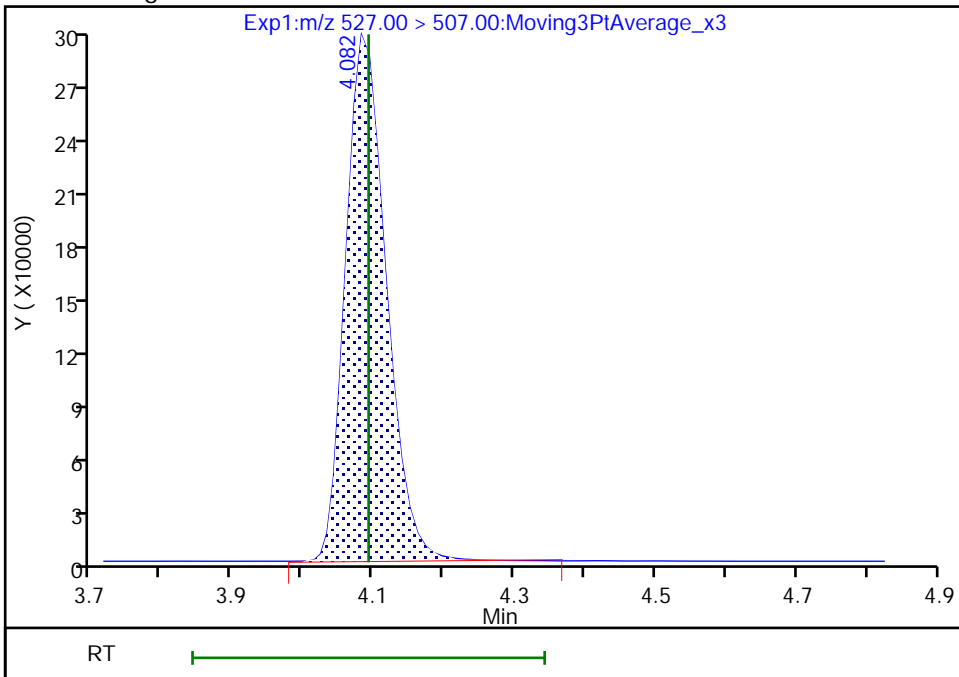
RT: 4.08
Area: 1202023
Amount: 2.275256
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 1197955
Amount: 2.267556
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:41:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

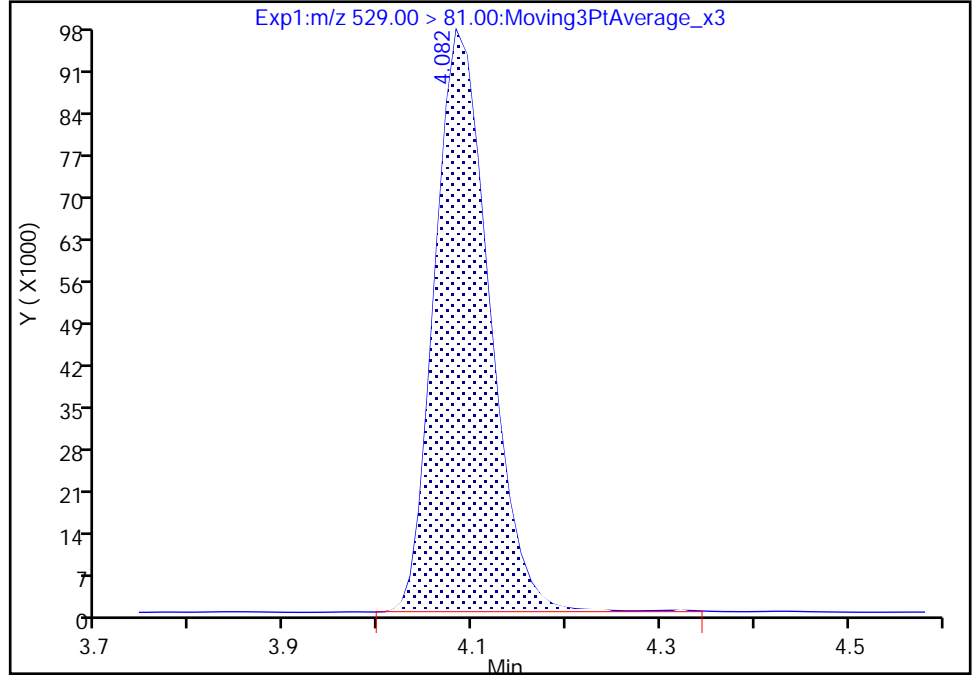
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 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

D 26 M2-8:2 FTS, CAS: STL02280
Signal: 1

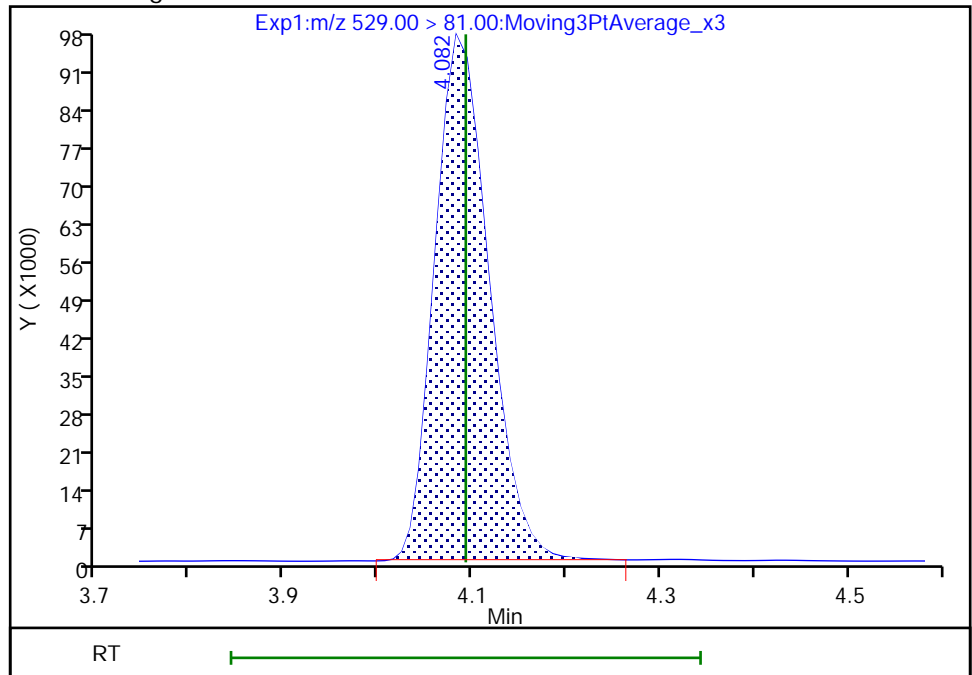
RT: 4.08
Area: 392116
Amount: 1.378990
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 391238
Amount: 1.375902
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:36:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 641 of 939

Eurofins Burlington

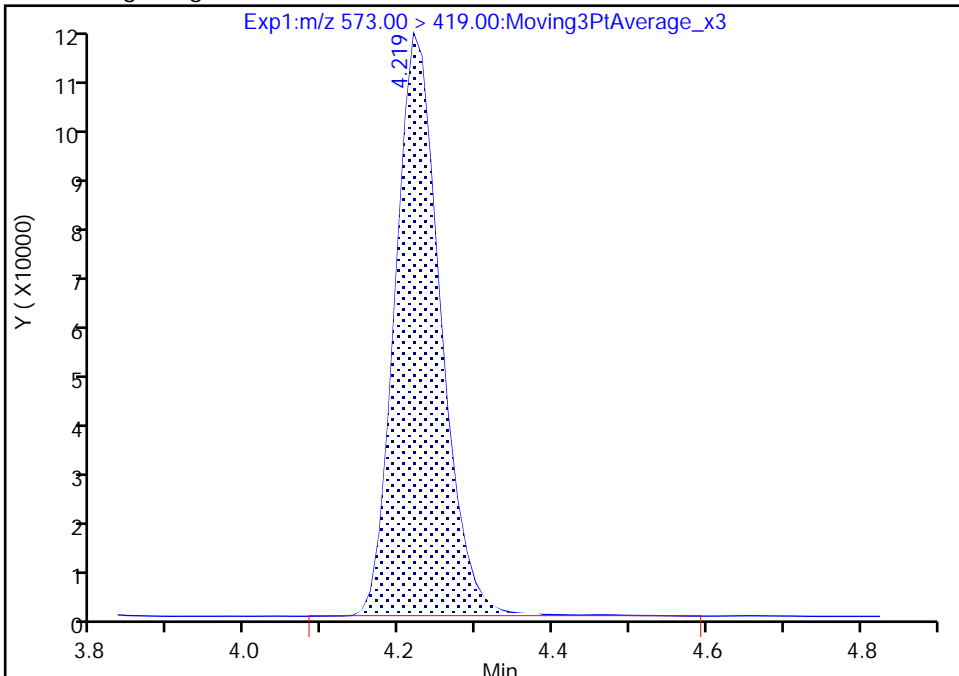
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

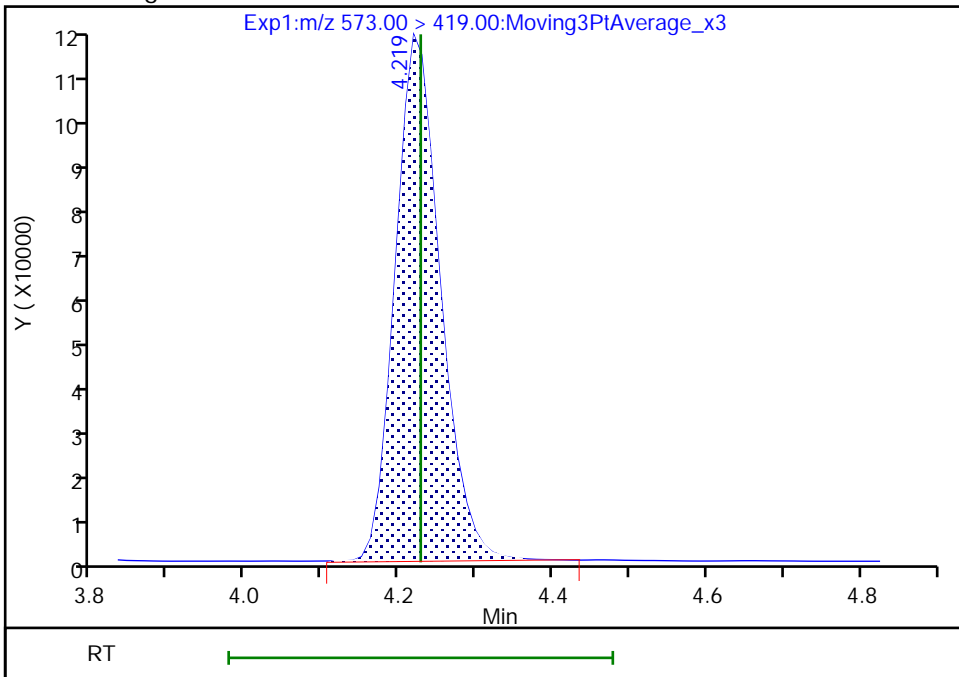
RT: 4.22
Area: 462775
Amount: 1.081512
Amount Units: ng/ml

Processing Integration Results



RT: 4.22
Area: 459182
Amount: 1.073115
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:36:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 642 of 939

Eurofins Burlington

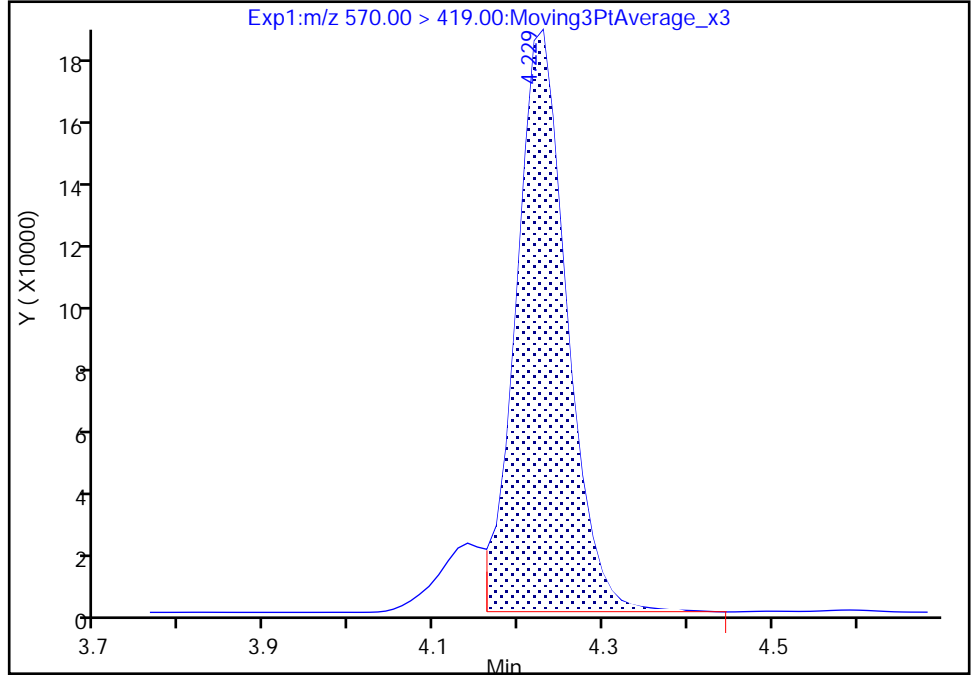
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

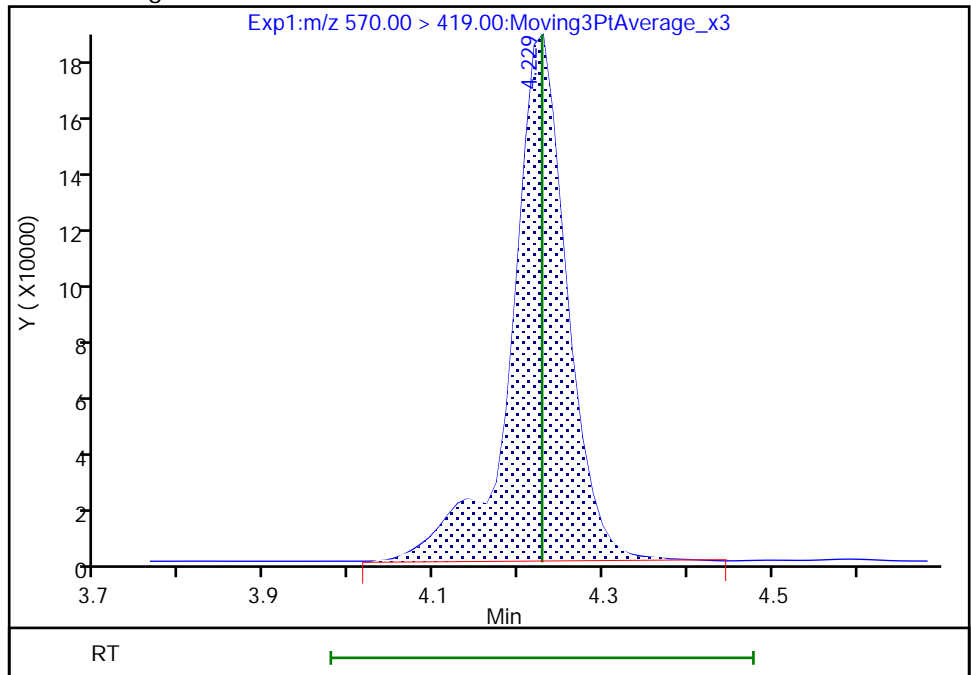
RT: 4.23
Area: 781953
Amount: 2.462854
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 865181
Amount: 2.726228
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:41:07
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 643 of 939

Eurofins Burlington

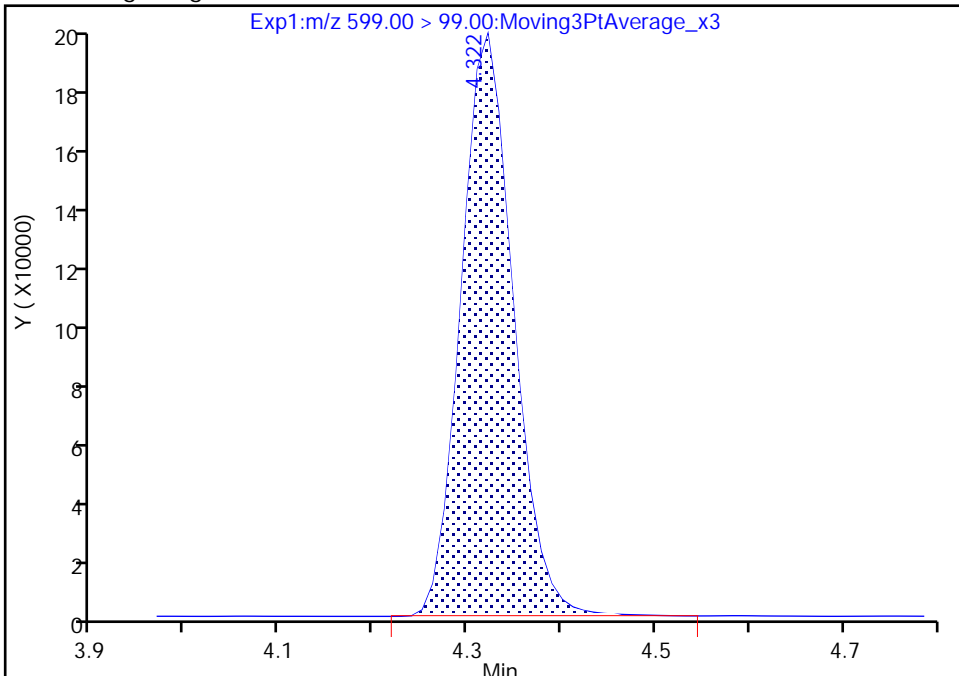
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

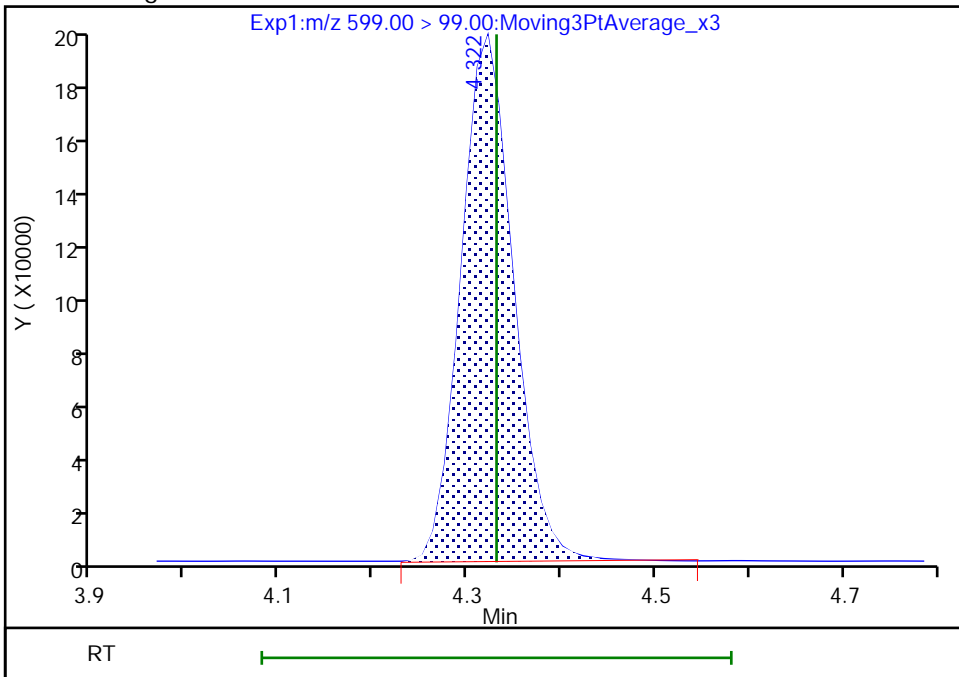
RT: 4.32
Area: 737051
Amount: 2.351236
Amount Units: ng/ml

Processing Integration Results



RT: 4.32
Area: 735677
Amount: 2.351236
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:41:18
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 644 of 939

Eurofins Burlington

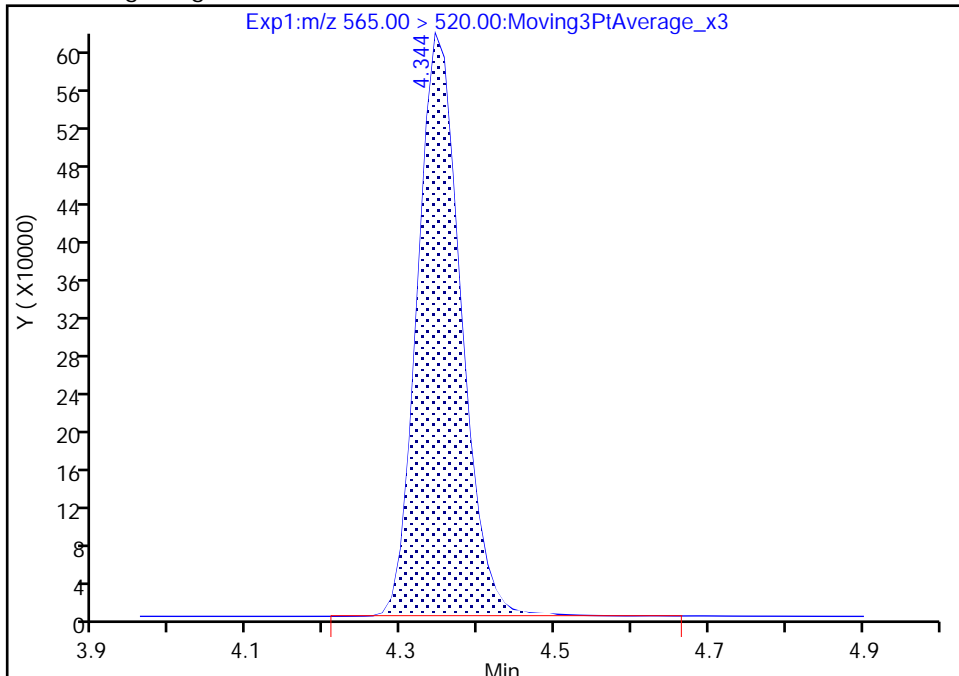
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

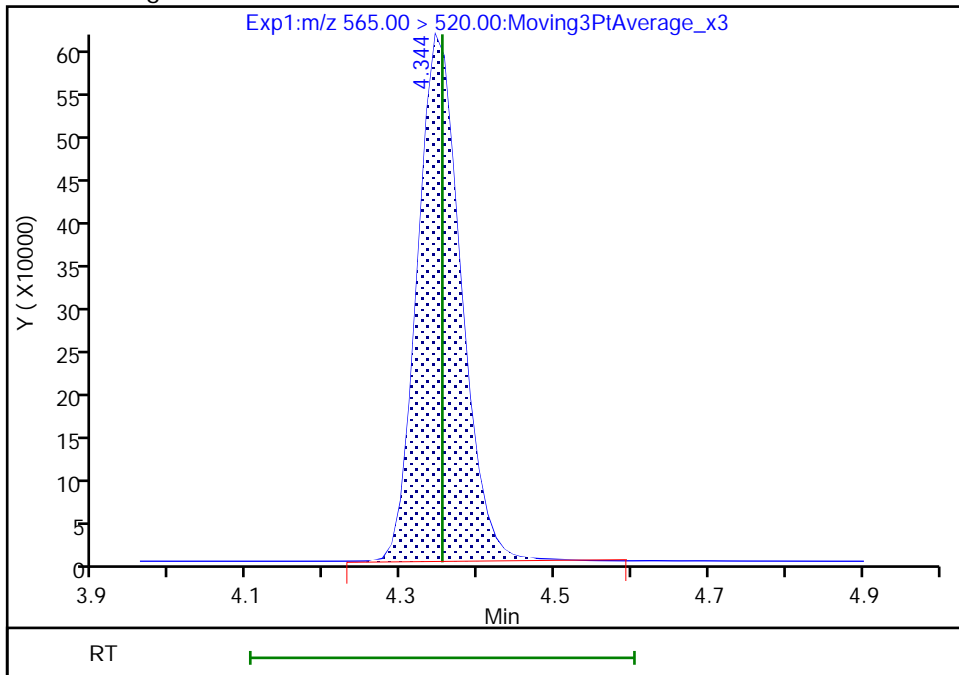
RT: 4.34
Area: 2434328
Amount: 1.264988
Amount Units: ng/ml

Processing Integration Results



RT: 4.34
Area: 2431501
Amount: 1.263519
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:37:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

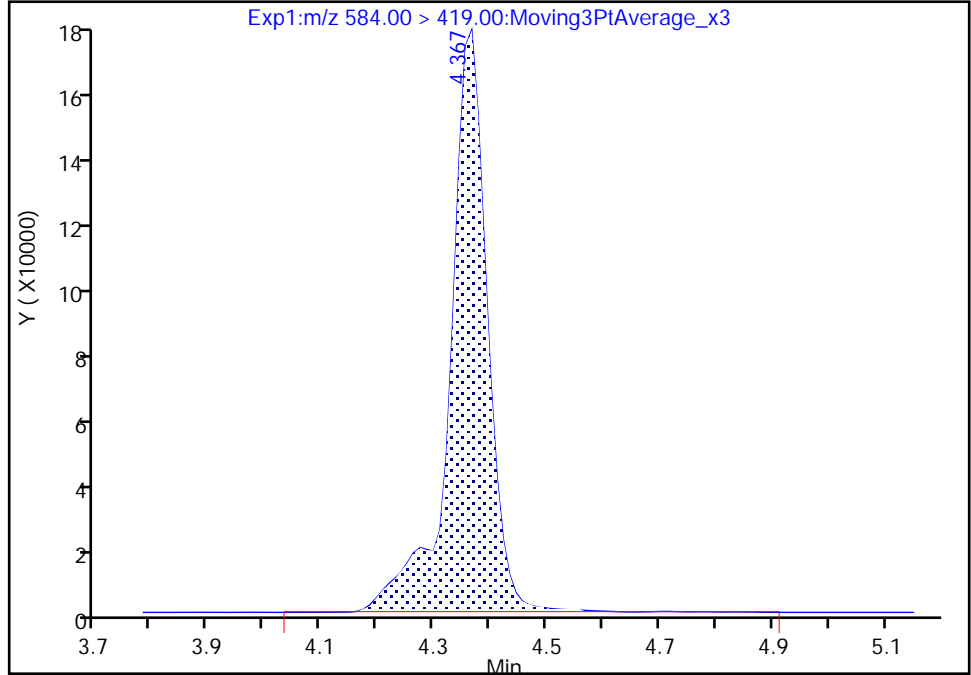
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

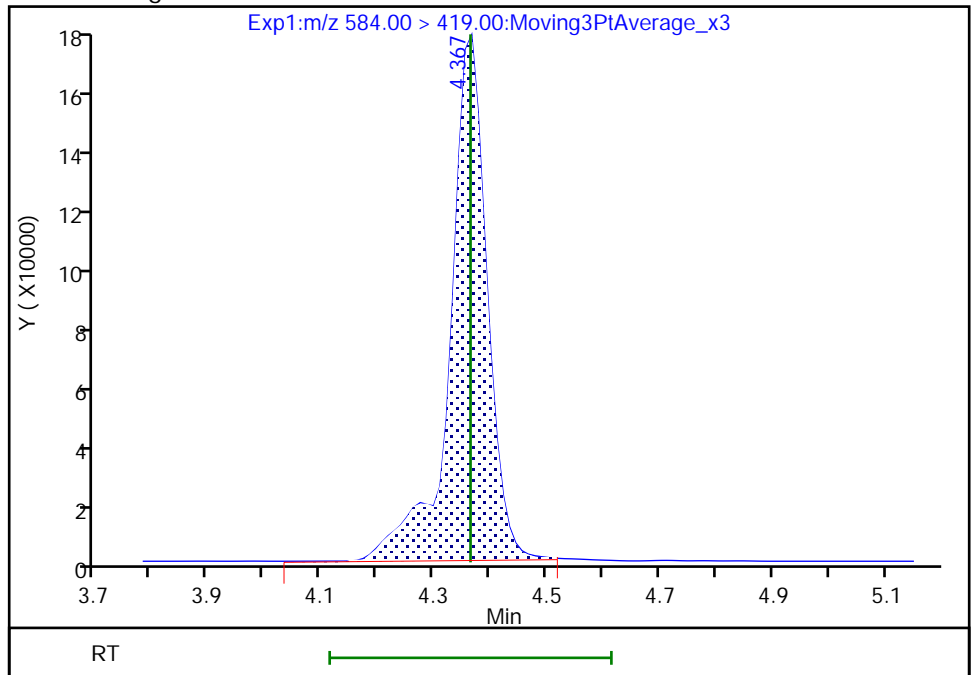
RT: 4.37
Area: 831348
Amount: 2.534355
Amount Units: ng/ml

Processing Integration Results



RT: 4.37
Area: 823958
Amount: 2.511826
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:41:32
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

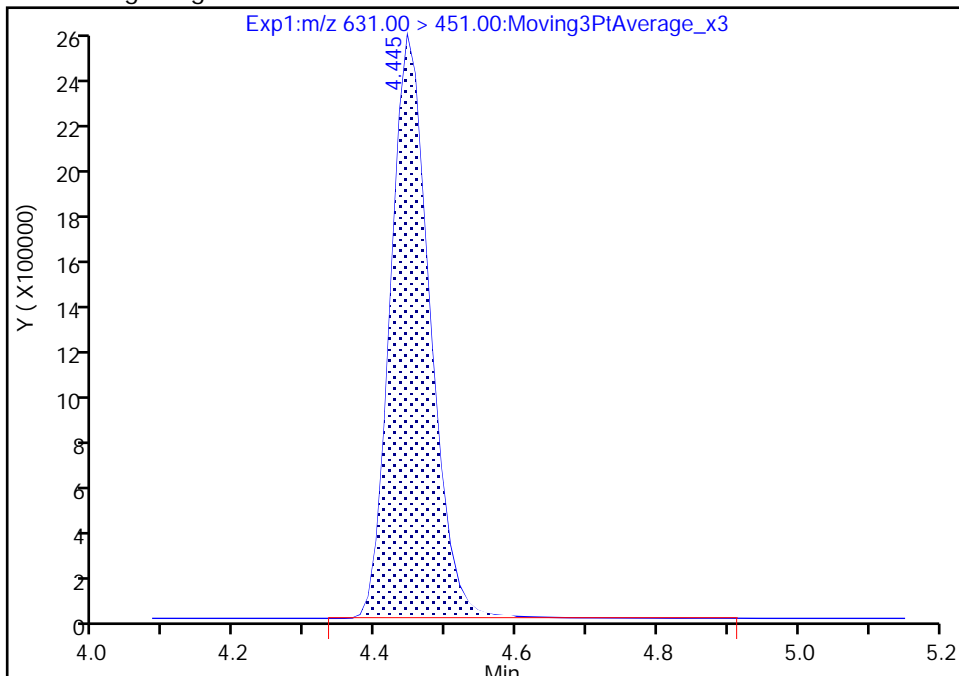
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

66 11-Chloroeicosafuoro-3-oxaundec, CAS: 763051-92-9

Signal: 1

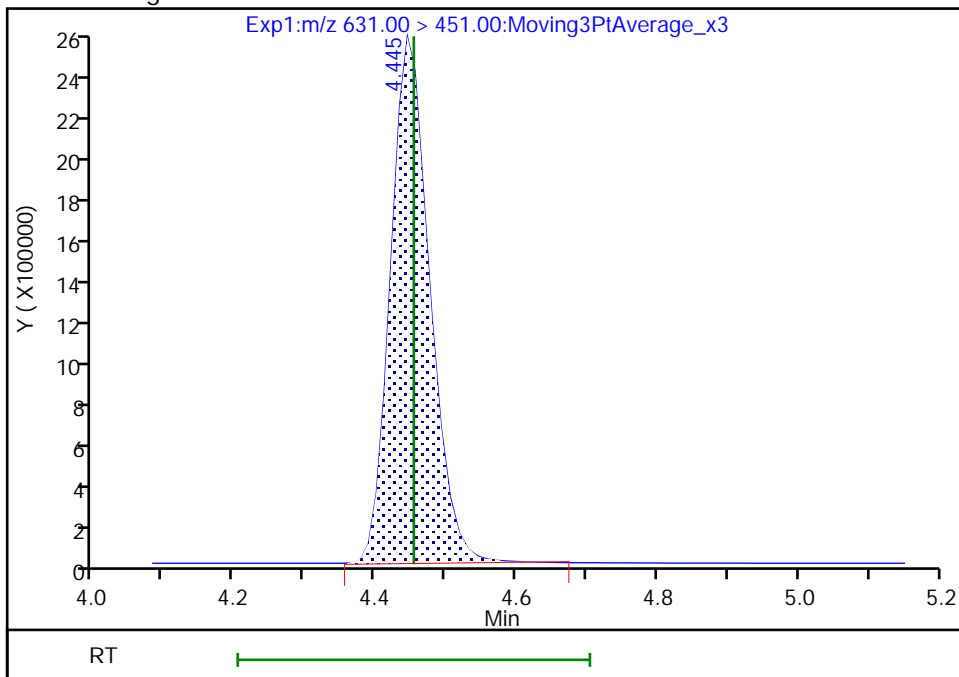
RT: 4.44
Area: 9782177
Amount: 2.115694
Amount Units: ng/ml

Processing Integration Results



RT: 4.44
Area: 9743352
Amount: 2.107297
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:41:39
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

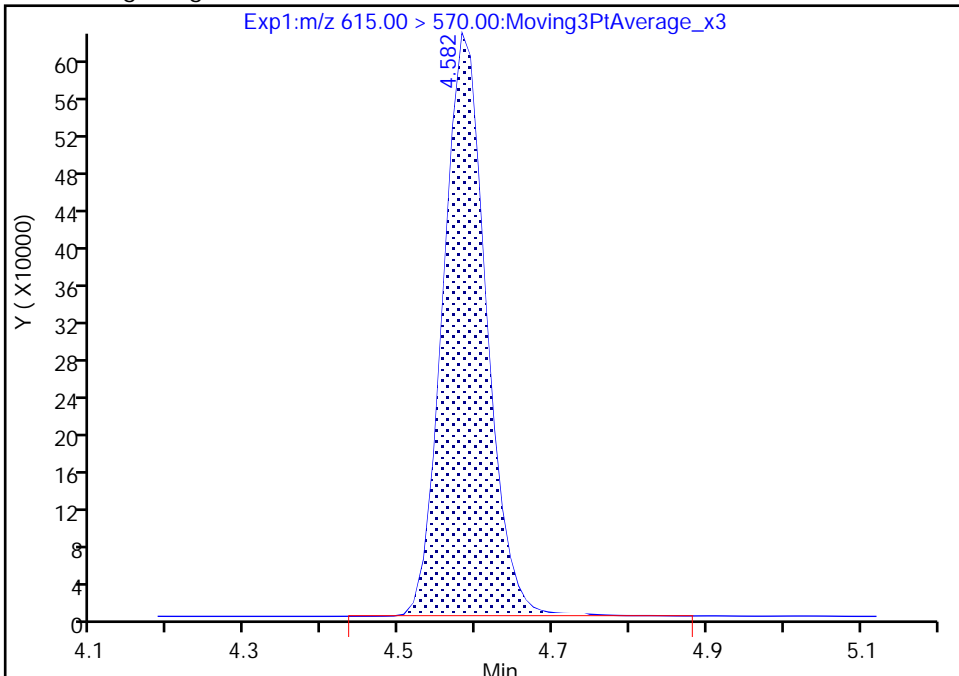
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 36 13C2 PFD_oA, CAS: STL00998

Signal: 1

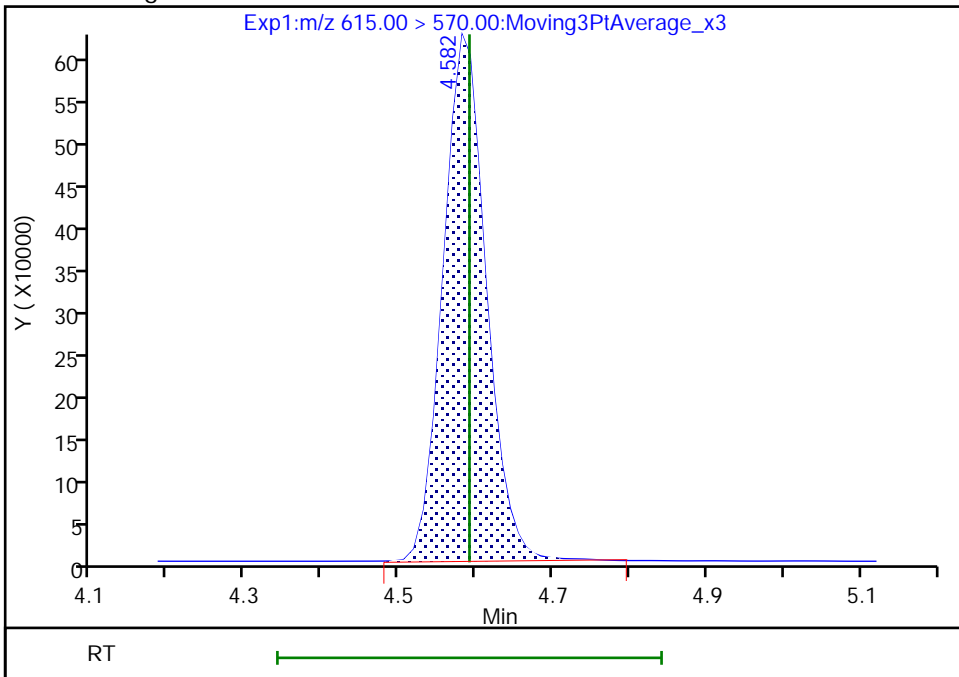
RT: 4.58
Area: 2443737
Amount: 1.246412
Amount Units: ng/ml

Processing Integration Results



RT: 4.58
Area: 2437066
Amount: 1.243010
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:37:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

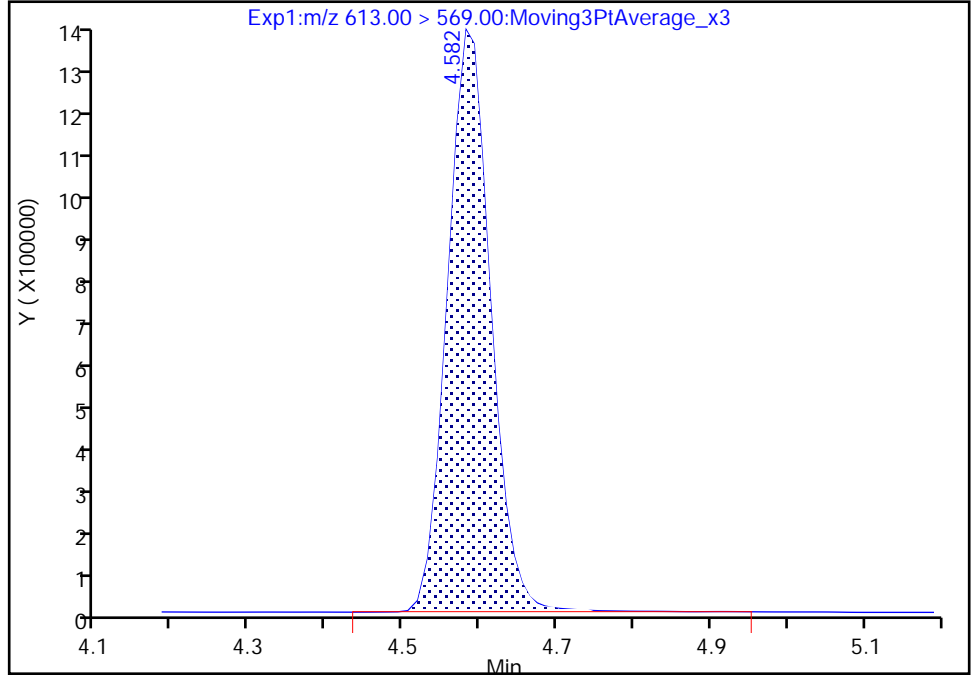
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

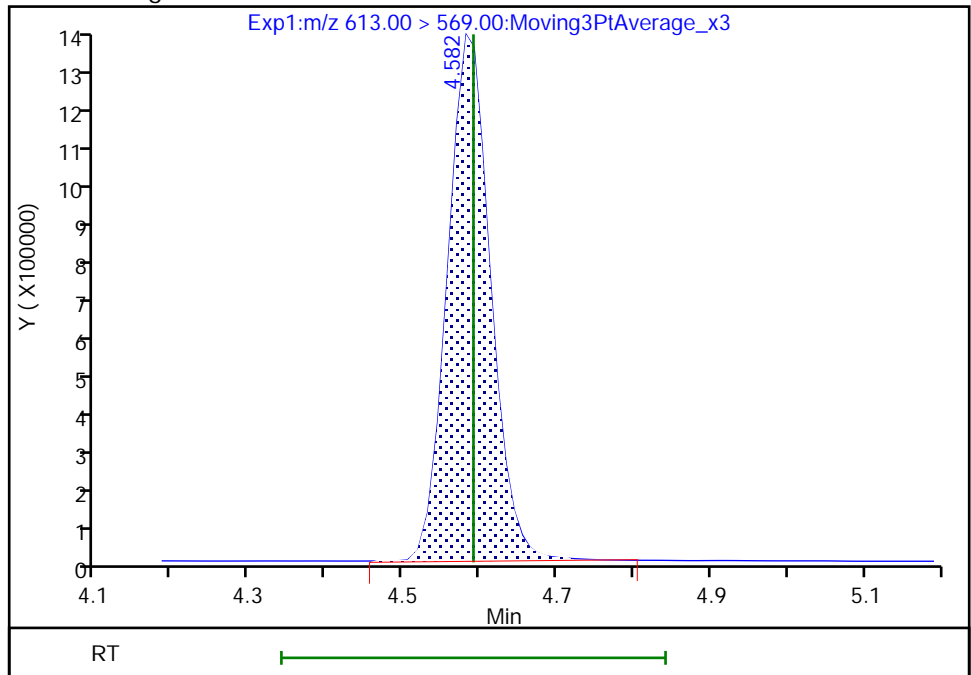
RT: 4.58
Area: 5089103
Amount: 2.463763
Amount Units: ng/ml

Processing Integration Results



RT: 4.58
Area: 5068473
Amount: 2.453775
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:41:48
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

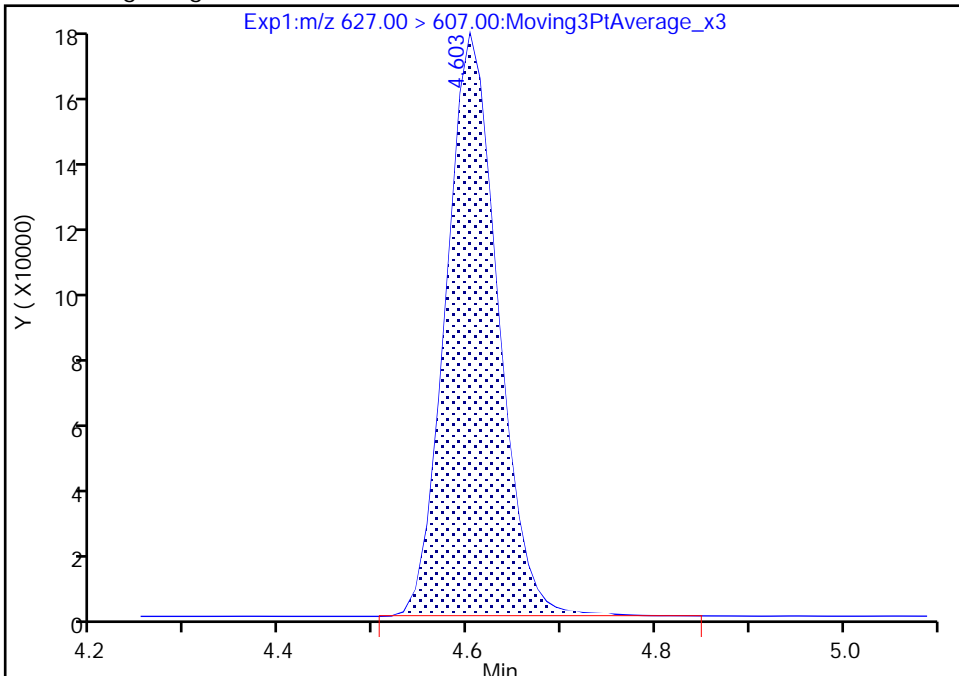
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

74 1H,1H,2H,2H-perfluorododecanesul, CAS: 120226-60-0

Signal: 1

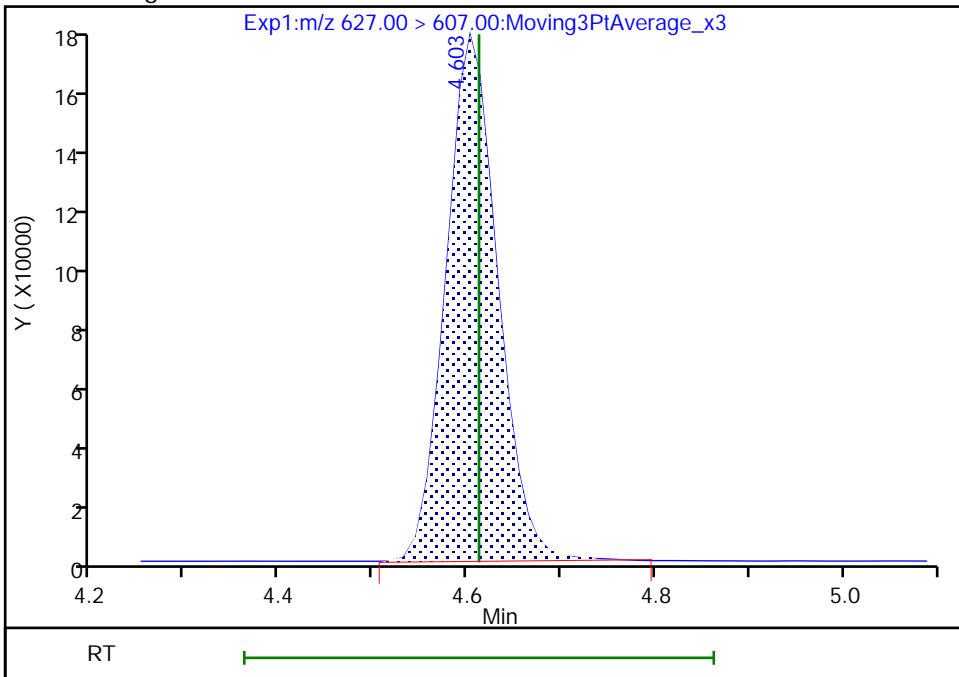
RT: 4.60
Area: 662430
Amount: 2.086632
Amount Units: ng/ml

Processing Integration Results



RT: 4.60
Area: 661381
Amount: 2.083327
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:41:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 650 of 939

Eurofins Burlington

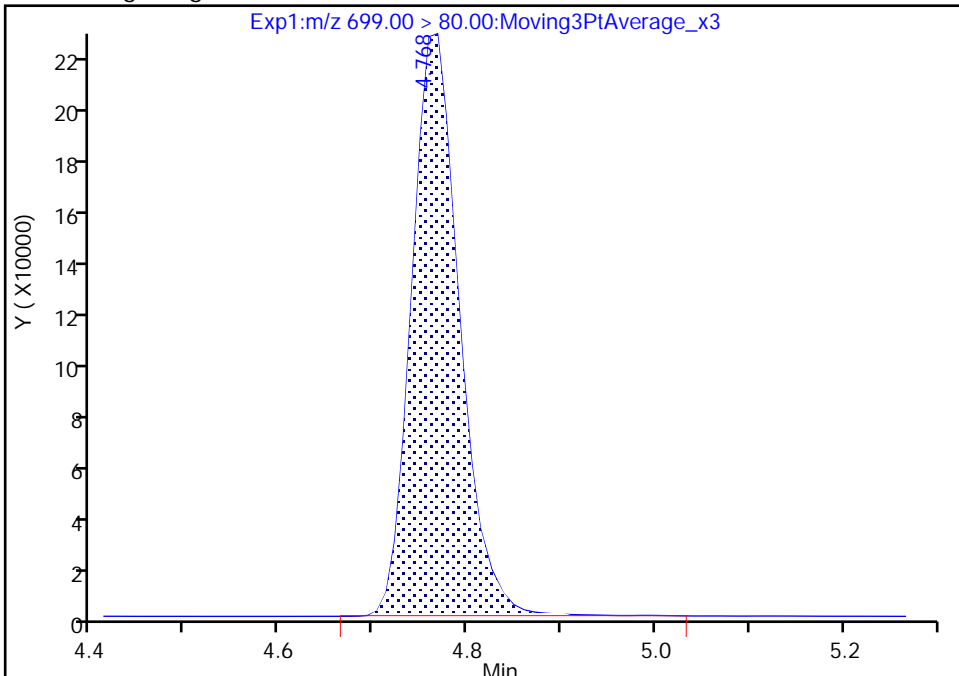
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

75 Perfluorododecanesulfonic acid (, CAS: 79780-39-5

Signal: 1

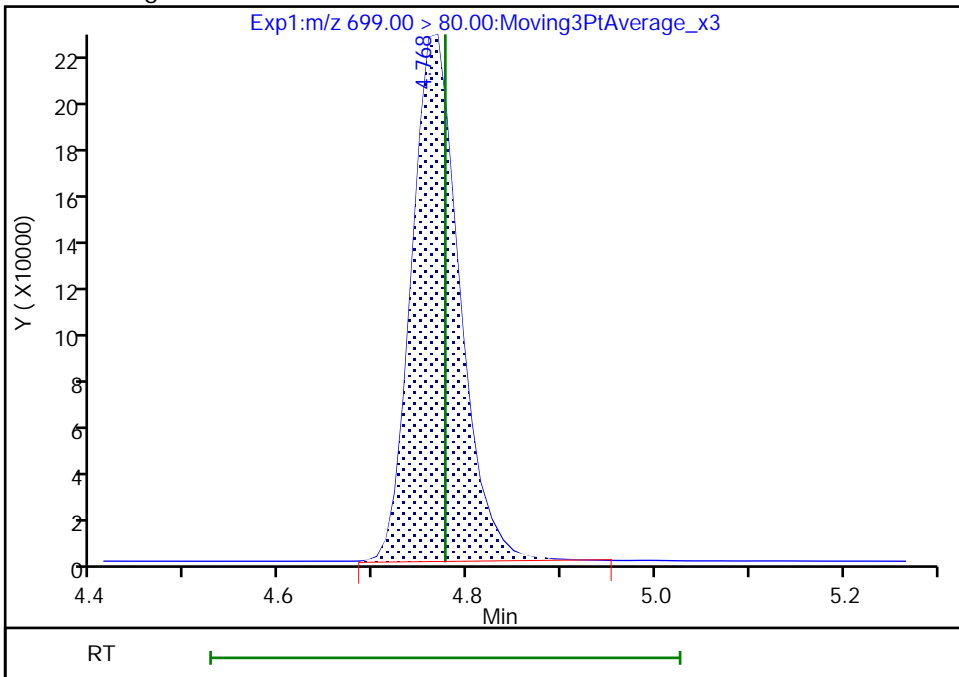
RT: 4.77
Area: 805469
Amount: 2.444290
Amount Units: ng/ml

Processing Integration Results



RT: 4.77
Area: 802452
Amount: 2.435135
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:42:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

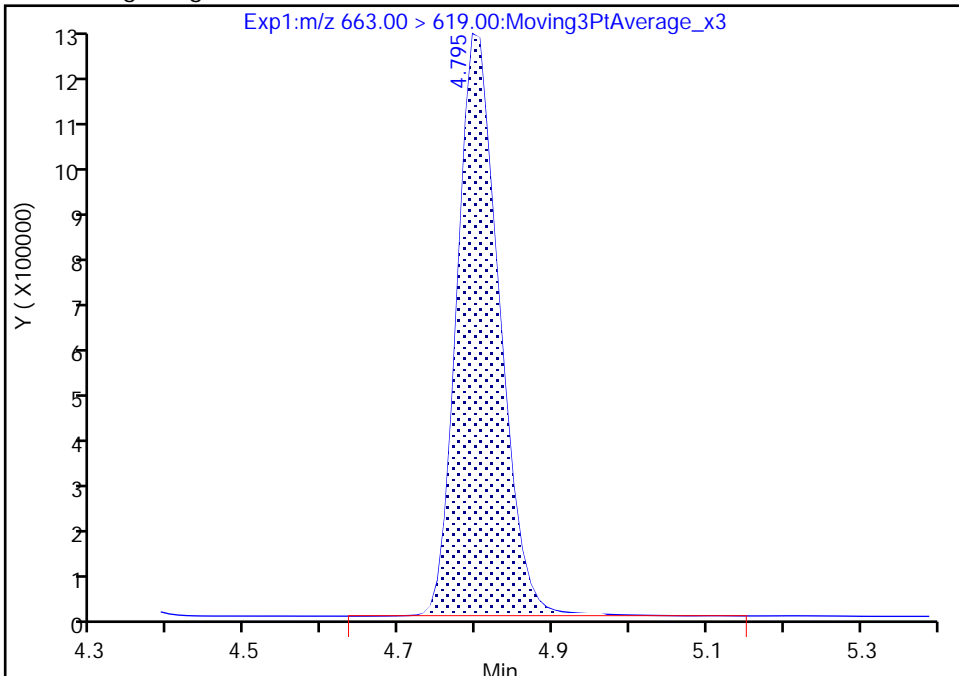
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

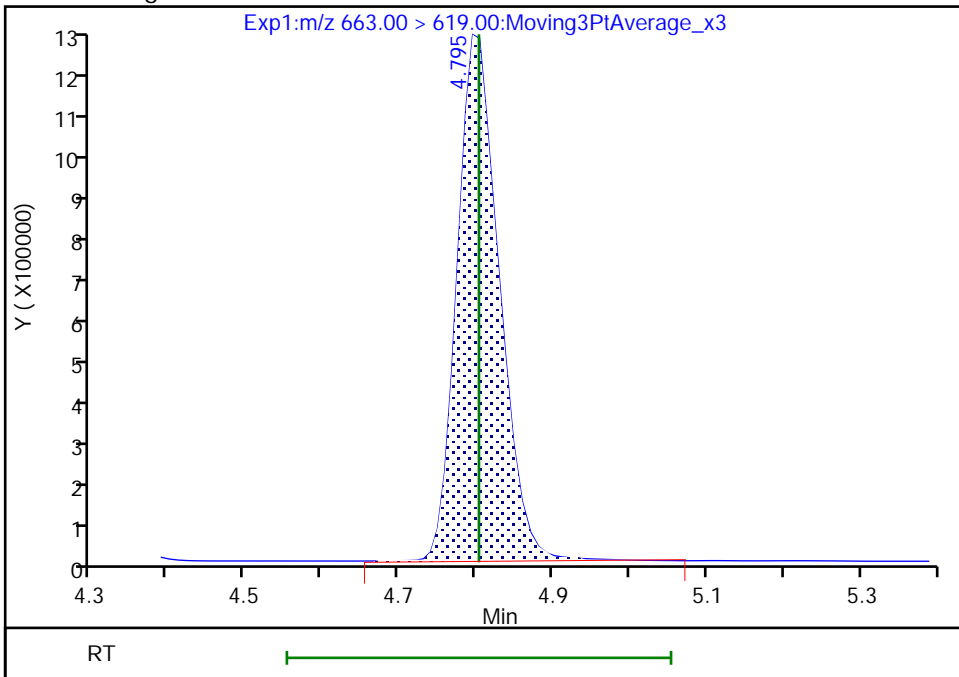
RT: 4.80
Area: 4873476
Amount: 2.467029
Amount Units: ng/ml

Processing Integration Results



RT: 4.80
Area: 4853342
Amount: 2.456837
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:42:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 652 of 939

Eurofins Burlington

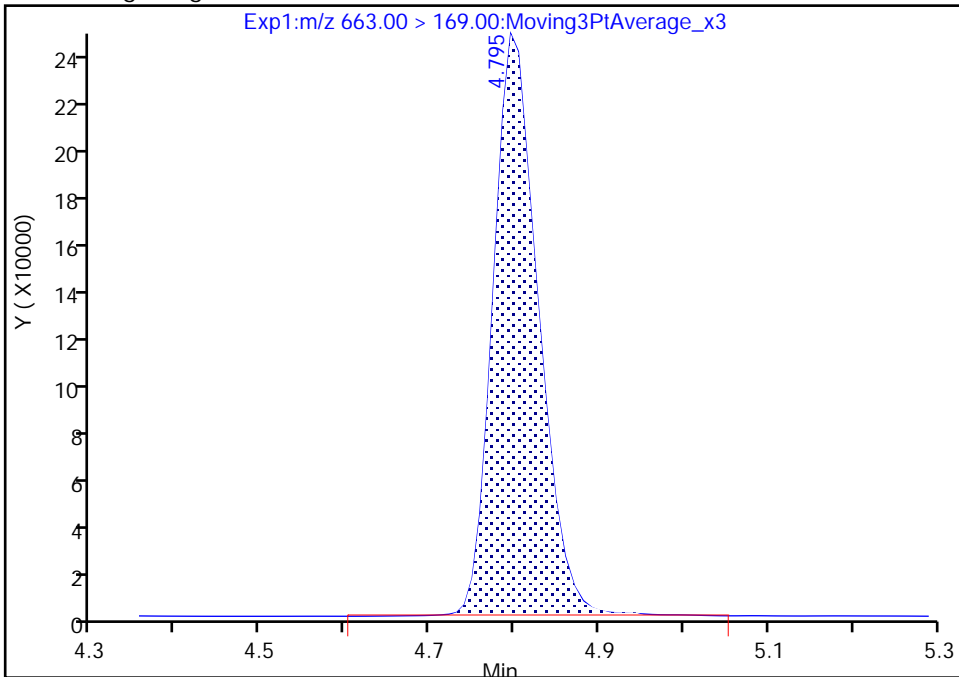
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

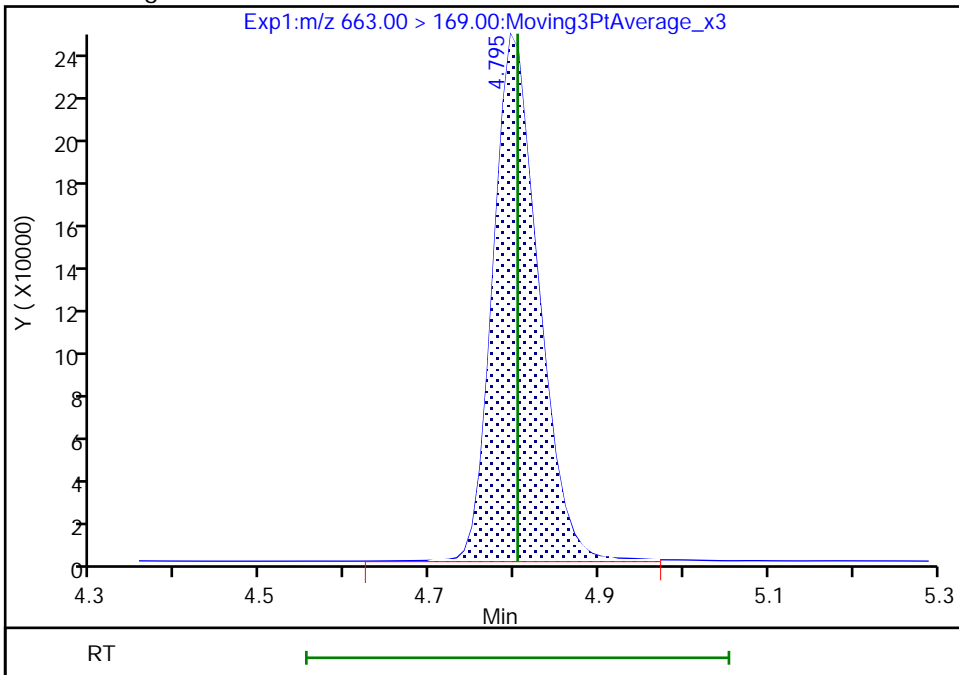
RT: 4.80
Area: 920044
Amount: 2.467029
Amount Units: ng/ml

Processing Integration Results



RT: 4.80
Area: 917946
Amount: 2.456837
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Dec-2022 11:42:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

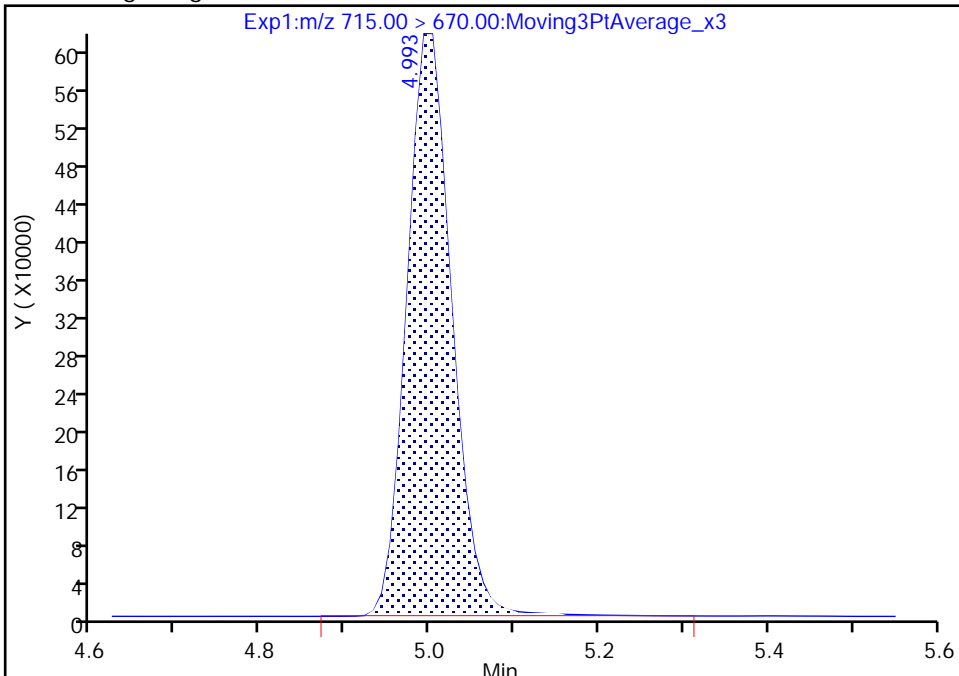
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

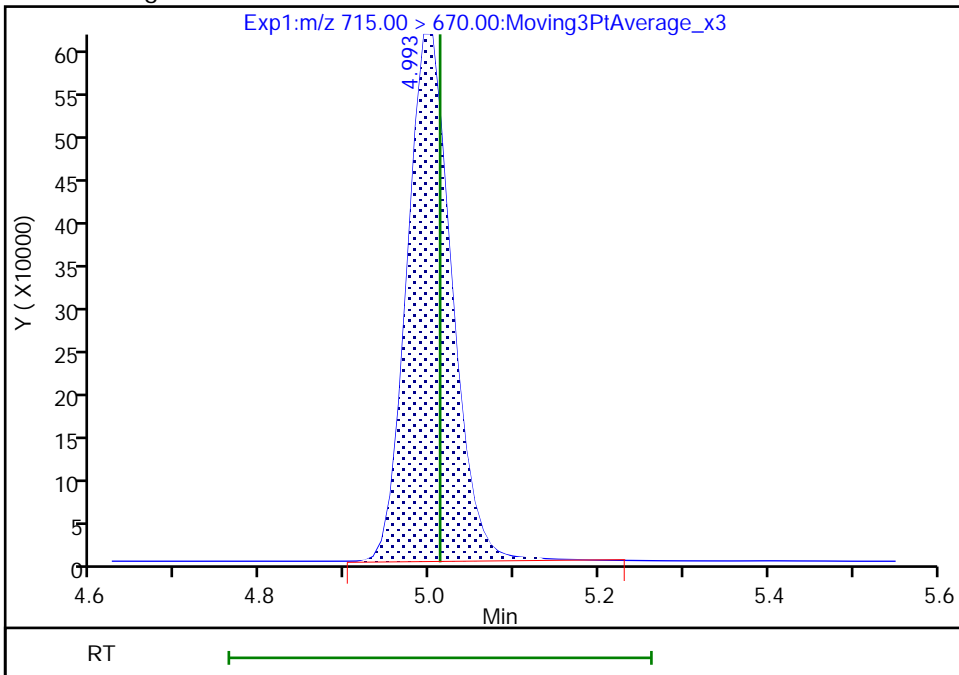
RT: 4.99
Area: 2273883
Amount: 1.340916
Amount Units: ng/ml

Processing Integration Results



RT: 4.99
Area: 2265676
Amount: 1.336076
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:37:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 654 of 939

Eurofins Burlington

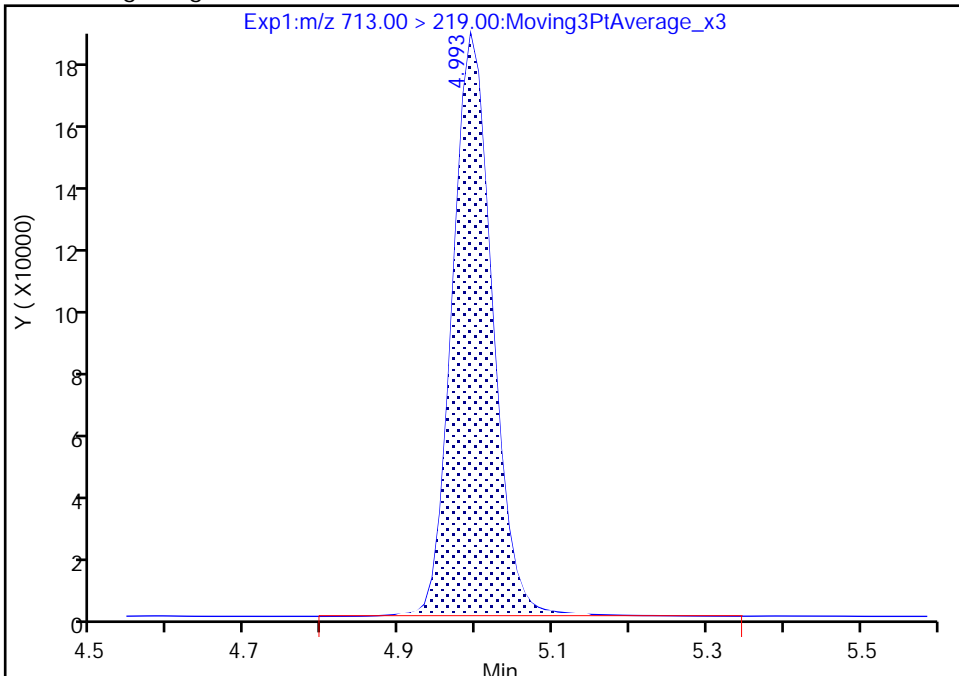
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

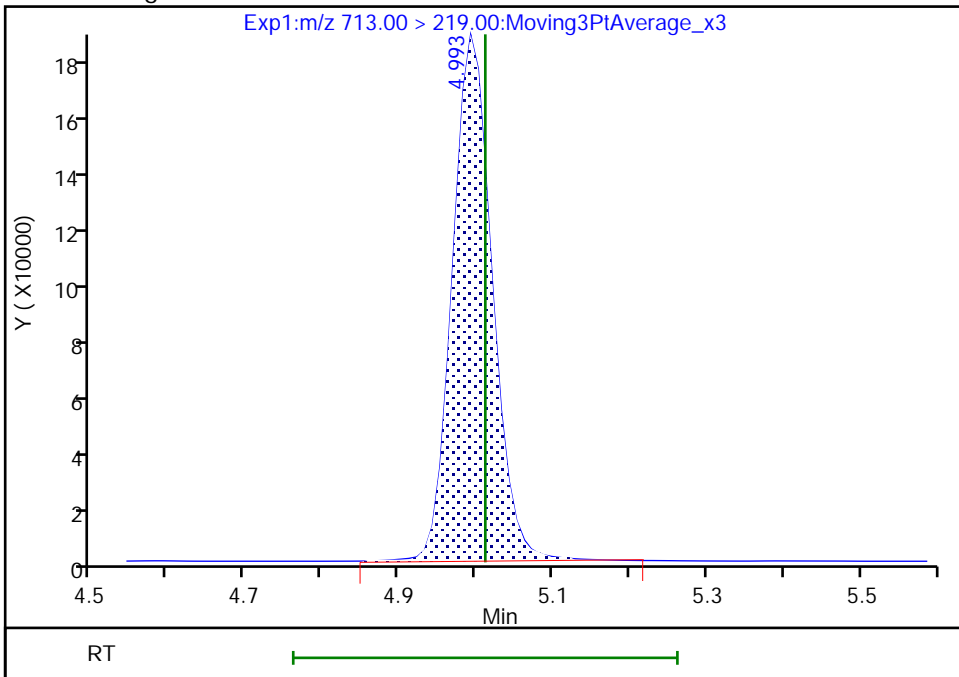
RT: 4.99
Area: 673934
Amount: 2.486807
Amount Units: ng/ml

Processing Integration Results



RT: 4.99
Area: 670322
Amount: 2.486807
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:42:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

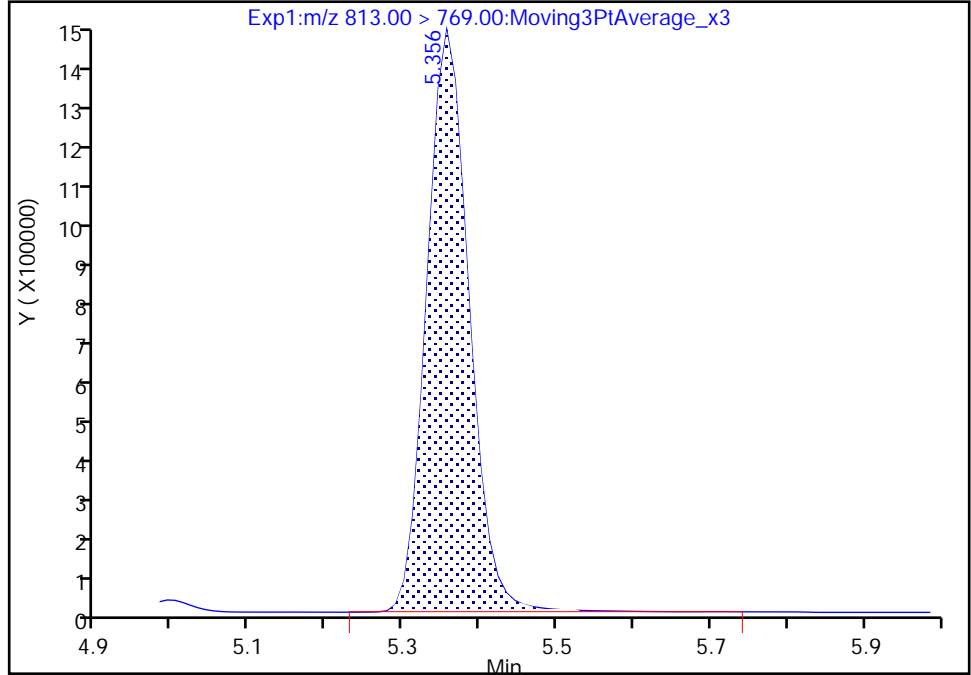
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

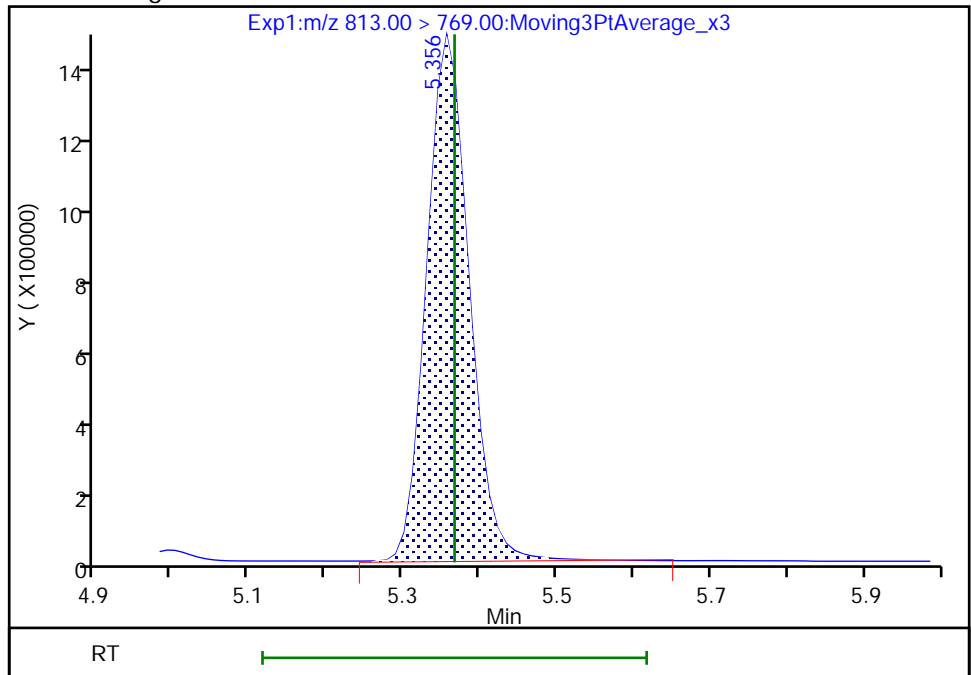
RT: 5.36
Area: 5416787
Amount: 2.507755
Amount Units: ng/ml

Processing Integration Results



RT: 5.36
Area: 5410691
Amount: 2.504914
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:42:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

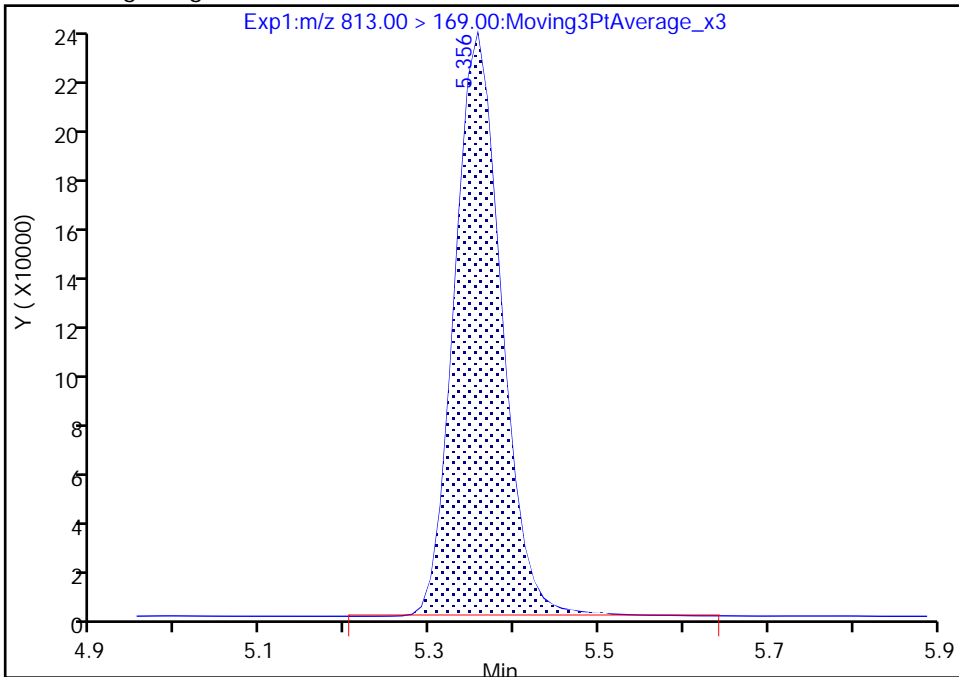
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

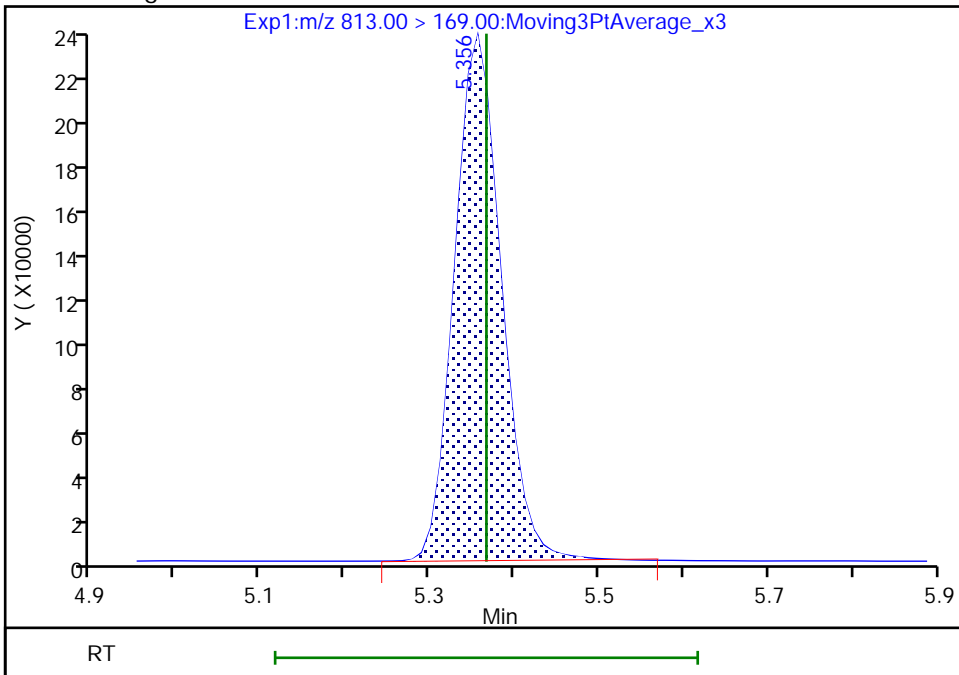
RT: 5.36
Area: 905293
Amount: 2.507755
Amount Units: ng/ml

Processing Integration Results



RT: 5.36
Area: 902369
Amount: 2.504914
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:42:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

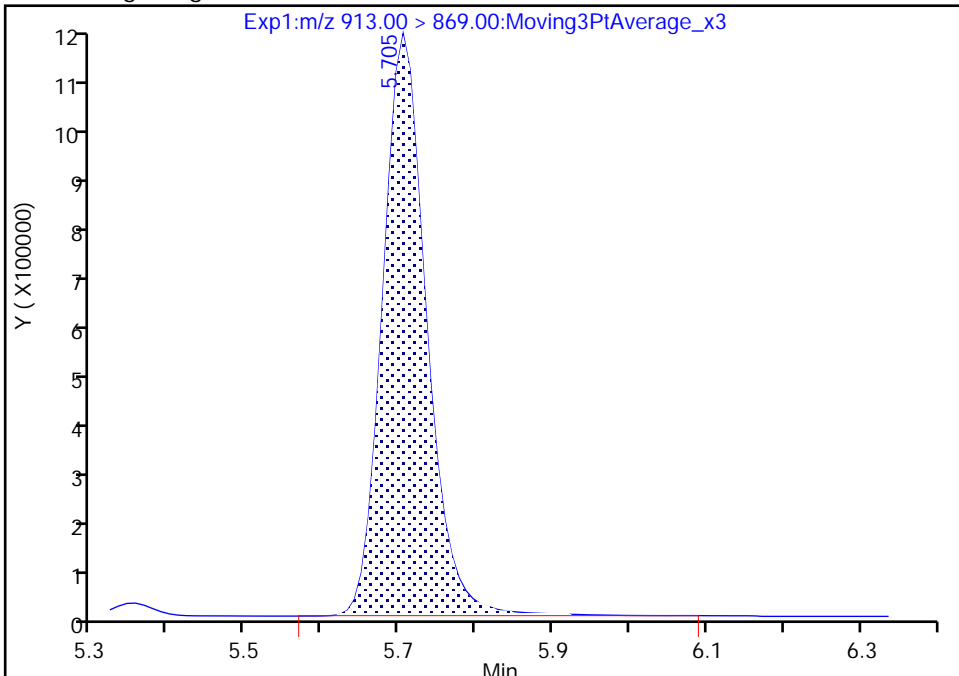
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

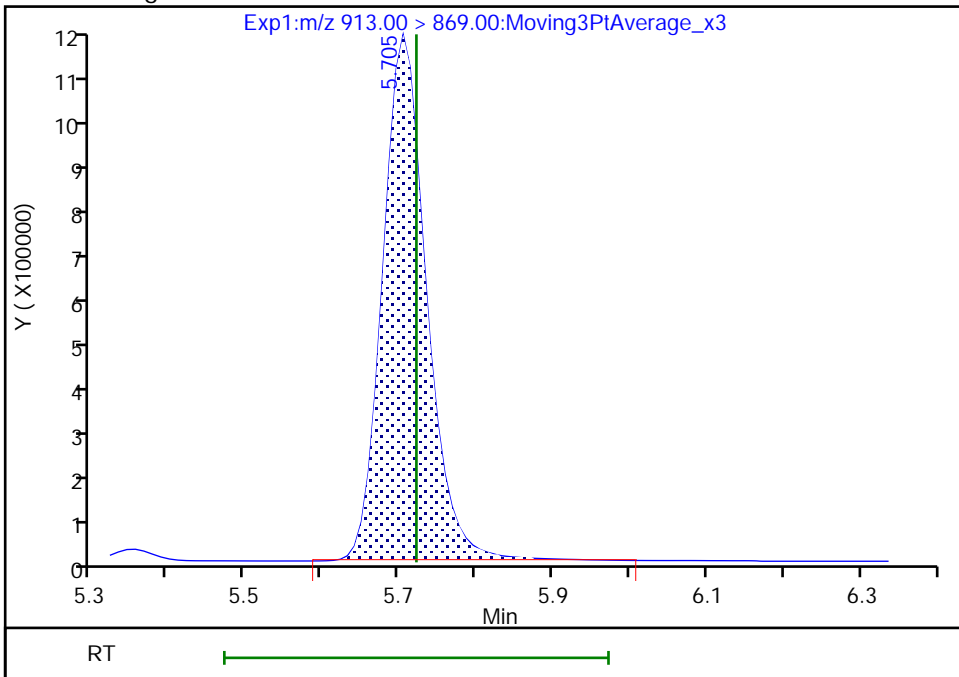
RT: 5.70
Area: 4703156
Amount: 2.447514
Amount Units: ng/ml

Processing Integration Results



RT: 5.70
Area: 4696914
Amount: 2.444266
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:42:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 658 of 939

Eurofins Burlington

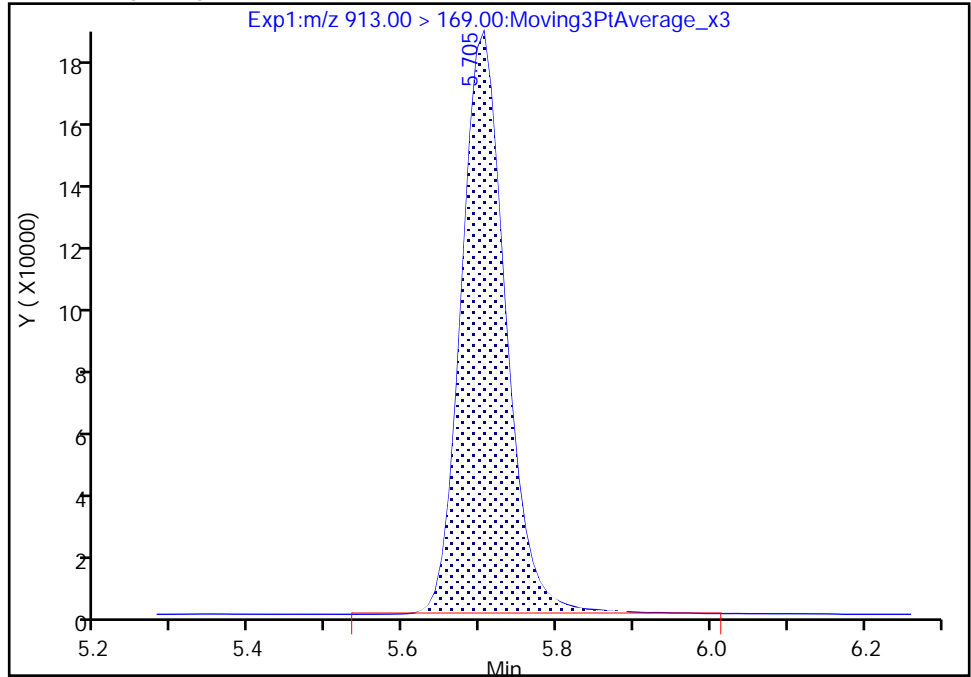
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A23.d
Injection Date: 02-Dec-2022 15:08:37 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 23
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

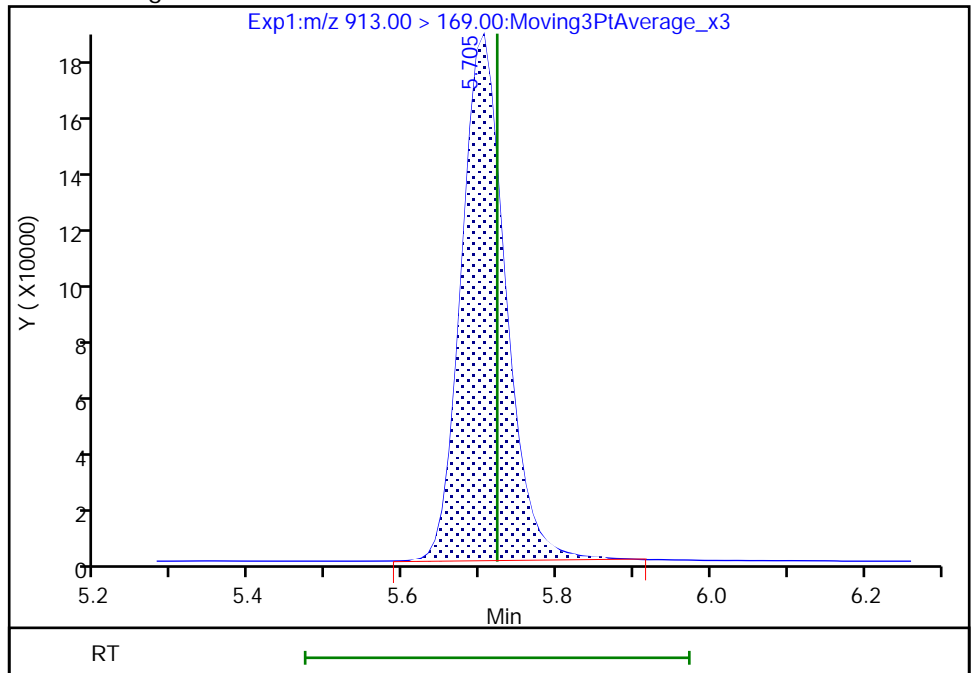
RT: 5.70
Area: 753438
Amount: 2.447514
Amount Units: ng/ml

Processing Integration Results



RT: 5.70
Area: 746946
Amount: 2.444266
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Dec-2022 11:42:53

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-270065-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-186249/1-A
 Matrix: Solid Lab File ID: PA221202A10.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: SHAKE Date Extracted: 12/01/2022 09:15
 Sample wt/vol: 5.00 (g) Date Analyzed: 12/02/2022 13:22
 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.: 186301 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.: 460-270065-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-186249/1-A
 Matrix: Solid Lab File ID: PA221202A10.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: SHAKE Date Extracted: 12/01/2022 09:15
 Sample wt/vol: 5.00(g) Date Analyzed: 12/02/2022 13:22
 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.: 186301 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	100		50-150
STL01892	13C4 PFHpA	89		50-150
STL00990	13C4 PFOA	92		50-150
STL00991	13C4 PFOS	99		50-150
STL00995	13C5 PFNA	96		50-150
STL00992	13C4 PFBA	68		50-150
STL00993	13C2 PFHxA	94		50-150
STL00996	13C2 PFDA	97		50-150
STL00997	13C2 PFUnA	94		50-150
STL00998	13C2 PFDoA	87		50-150
STL01056	13C8 FOSA	96		50-150
STL01893	13C5 PFPeA	85		50-150
STL02116	13C2 PFTeDA	82		50-150
STL02118	d3-NMeFOSAA	92		50-150
STL02117	d5-NEtFOSAA	94		50-150
STL02279	M2-6:2 FTS	103		50-150
STL02280	M2-8:2 FTS	97		50-150
STL02337	13C3 PFBS	94		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A10.d
 Lims ID: MB 200-186249/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 02-Dec-2022 13:22:20 ALS Bottle#: 7 Worklist Smp#: 10
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: MB 200-186249/1-A
 Misc. Info.: 200-0053527-010 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 05-Dec-2022 11:40:57 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: CTX1627

First Level Reviewer: Z1IP Date: 02-Dec-2022 14:46:11

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	2.076	2.076	0.0	0.607	1895751	0.8476	67.8	8564	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.076	0.009	1.004	44808	0.0287		4.8		M
D 3 13C5 PFPeA	267.90 > 223.00	2.360	2.387	-0.027	0.690	1813601	1.06	85.2	3510	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.347	2.387	-0.040	0.994	7814	0.004942		0.2		M
D 47 13C3 PFBS	301.90 > 80.00	2.373	2.400	-0.027	0.694	2011840	1.09	93.5	349106	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.387	2.400	-0.013	1.006	3437	0.001736	Target=2.09	3.2		M
298.90 > 99.00	2.373	2.400	-0.027	1.000	1240		2.77(1.04-3.13)	0.7		M
D 60 M2-4:2 FTS	329.00 > 81.00	2.665	2.689	-0.024	0.779	190014	1.16	99.5	183	M
D 7 13C2 PFHxA	315.00 > 270.00	2.701	2.725	-0.024	0.789	2100418	1.18	94.1	3885	
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.835	2.835	0.0	1.009	143	0.000487		2.2		M
D 64 13C3 HFPO-DA	287.00 > 169.00	2.811	2.835	-0.024	0.821	347304	1.10	88.2	2031	
D 11 18O2 PFHxS	403.00 > 84.00	3.066	3.088	-0.022	0.896	1588438	1.18	99.6	3339	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.066	3.088	-0.022	1.000	6832	0.004506	Target=3.66	22.4		M
399.00 > 99.00	3.077	3.088	-0.011	1.004	1993		3.43(1.83-5.49)	3.1		M

D 9 13C4 PFHpA

367.00 > 322.00 3.066 3.099 -0.033 0.896 2053409 1.12 89.5 3461
 Page 662 of 939 12/5/2022 4:37 PM

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	3.413	3.439	-0.026	0.997	275940	1.22		103	742	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.413	3.439	-0.026	1.000	4617	-0.002467			2.4	
D 14 13C4 PFOA										
417.00 > 372.00	3.422	3.448	-0.026	1.000	2385635	1.16		92.5	4900	
* 62 13C2 PFOA										
415.00 > 370.00	3.422	3.448	-0.026		2492536	1.25			5471	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.396	3.448	-0.052	0.992	2234	0.001095	Target=2.79		0.2	RM
413.00 > 169.00	3.430	3.448	-0.018	1.003	1794		1.25(1.40-4.19)		4.1	M
D 18 13C4 PFOS										
503.00 > 80.00	3.745	3.764	-0.019	1.094	1078655	1.18		98.7	3733	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.735	3.764	-0.029	0.997	4756	0.004333	Target=5.11		3.8	M
499.00 > 99.00	3.745	3.764	-0.019	1.000	1540		3.09(2.55-7.66)		1.8	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.745	3.783	-0.038	0.995	1480	0.000741	Target=8.55		0.4	M
463.00 > 169.00	3.745	3.783	-0.038	0.995	248		5.97(4.28-12.83)		3.1	M
D 19 13C5 PFNA										
468.00 > 423.00	3.764	3.783	-0.019	1.100	2405606	1.20		96.0	4827	M
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.928	3.928	0.0	1.049	619	0.000246			3.0	M
D 23 13C2 PFDA										
515.00 > 470.00	4.061	4.081	-0.020	1.187	2472737	1.21		96.8	6095	
24 Perfluorodecanoic acid										
513.00 > 469.00	4.061	4.081	-0.020	1.000	1469	0.000685	Target=10.26		0.8	RM
513.00 > 169.00	4.061	4.081	-0.020	1.000	451		3.26(5.13-15.38)		1.6	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.071	4.093	-0.022	1.190	322651	1.17		97.4	1021	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.081	4.093	-0.012	1.003	276	0.000633			4.8	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.127	4.150	-0.023	1.000	2328	0.001382			7.4	M
D 21 13C8 FOSA										
506.00 > 78.00	4.127	4.150	-0.023	1.206	2014942	1.20		96.2	2512	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.207	4.228	-0.021	1.230	479718	1.15		92.2	2885	
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.228	4.228	0.0	1.005	1132	-0.008198			2.9	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.342	4.353	-0.011	1.269	2193599	1.17		93.8	4082	
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.354	4.365	-0.011	1.003	1926	0.005584			11.3	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.342	4.365	-0.023	1.269	481579	1.18		94.0	1234	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
66 11-Chloroeicosafuoro-3-oxaundec										M
631.00 > 451.00	4.443	4.454	-0.011	1.186	932	0.000240			6.8	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.580	4.591	-0.011	1.000	2467	0.001409	Target=7.77		0.3	M
613.00 > 169.00	4.567	4.591	-0.024	0.997	505		4.89(3.89-11.66)		6.4	M
D 36 13C2 PFDaA										M
615.00 > 570.00	4.580	4.591	-0.011	1.338	2065096	1.08		86.6	3817	M
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.612	4.612	0.0	1.133	245	0.000936			5.2	
41 Perfluorotridecanoic acid										RM
663.00 > 619.00	4.794	4.804	-0.010	1.047	2857	0.001707	Target=5.21		0.2	RM
663.00 > 169.00	4.794	4.804	-0.010	1.047	256		11.16(2.60-7.81)		3.2	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	4.992	5.012	-0.020	1.000	353	0.001911	Target=0.89		5.2	M
713.00 > 219.00	4.992	5.012	-0.020	1.000	415		0.85(0.44-1.33)		8.1	
D 43 13C2 PFTeDA										
715.00 > 670.00	4.992	5.012	-0.020	1.459	1686331	1.02		81.8	5102	
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.344	5.367	-0.023	1.000	18887	-0.003577	Target=5.65		2.4	
813.00 > 169.00	5.344	5.367	-0.023	1.000	3633		5.20(2.82-8.47)		33.1	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.344	5.367	-0.023	1.562	1901606	0.9327		74.6	4128	
46 Perfluorooctadecanoic acid										RM
913.00 > 869.00	5.686	5.722	-0.036	1.064	2676	0.002136	Target=6.24		0.6	RM
913.00 > 169.00	5.686	5.722	-0.036	1.064	283		9.46(3.12-9.36)		5.6	M

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A10.d

Injection Date: 02-Dec-2022 13:22:20

Instrument ID: LC812

Lims ID: MB 200-186249/1-A

Client ID:

Operator ID: lc812tech

ALS Bottle#: 7

Worklist Smp#: 10

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

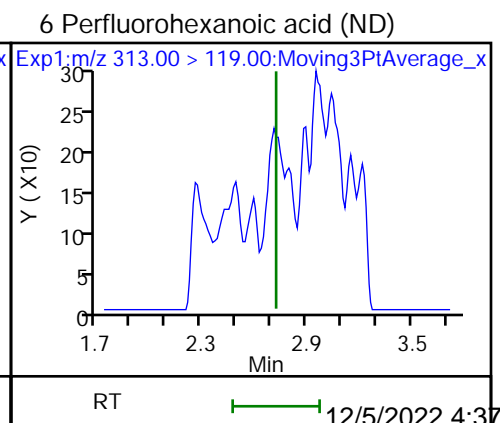
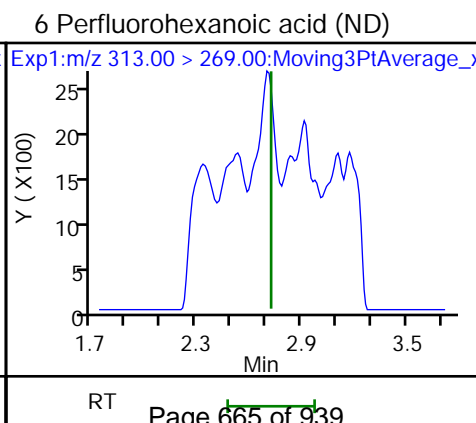
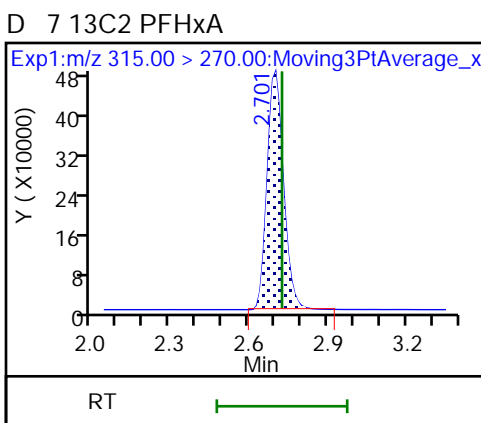
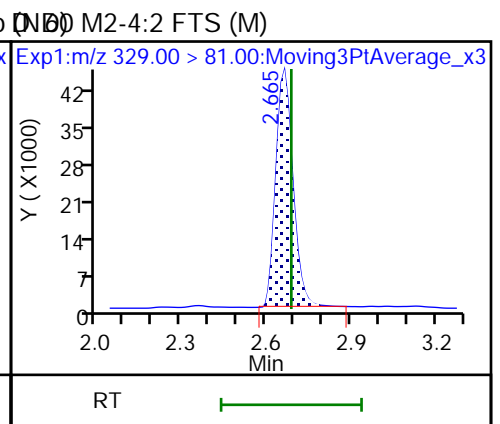
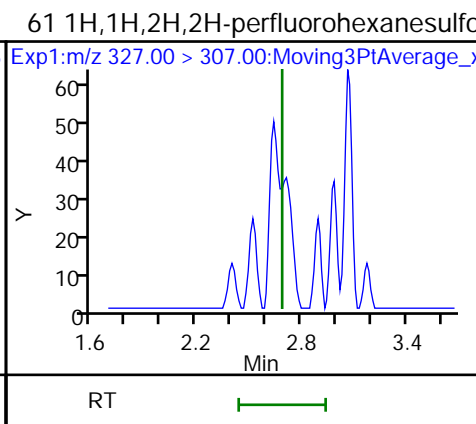
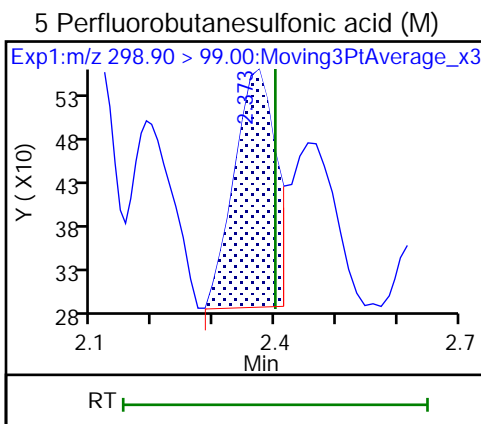
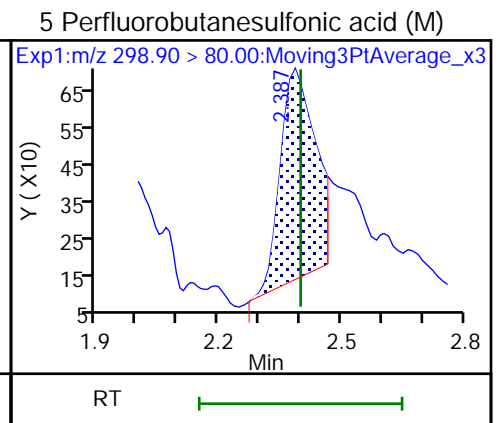
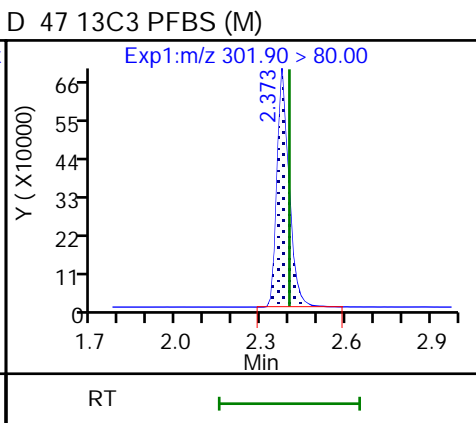
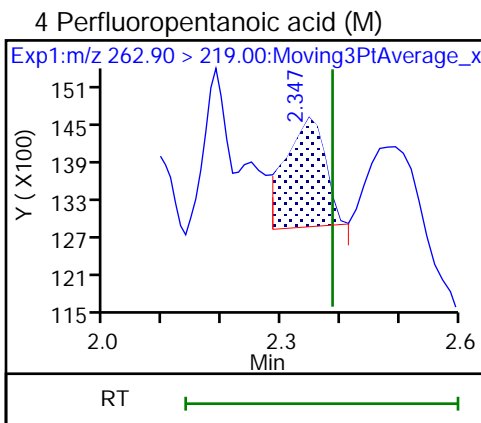
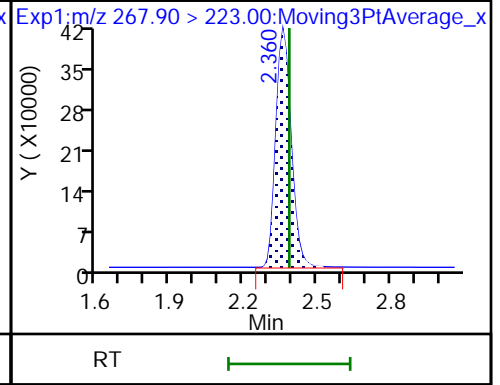
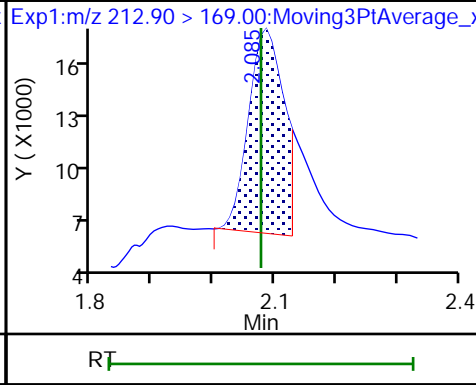
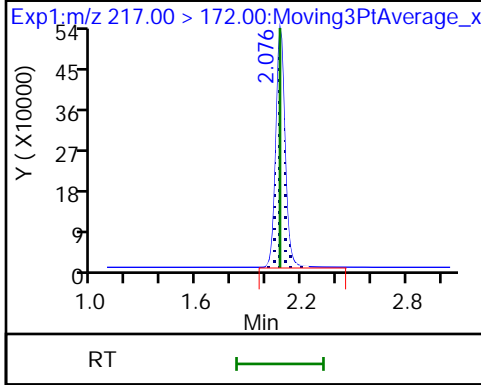
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

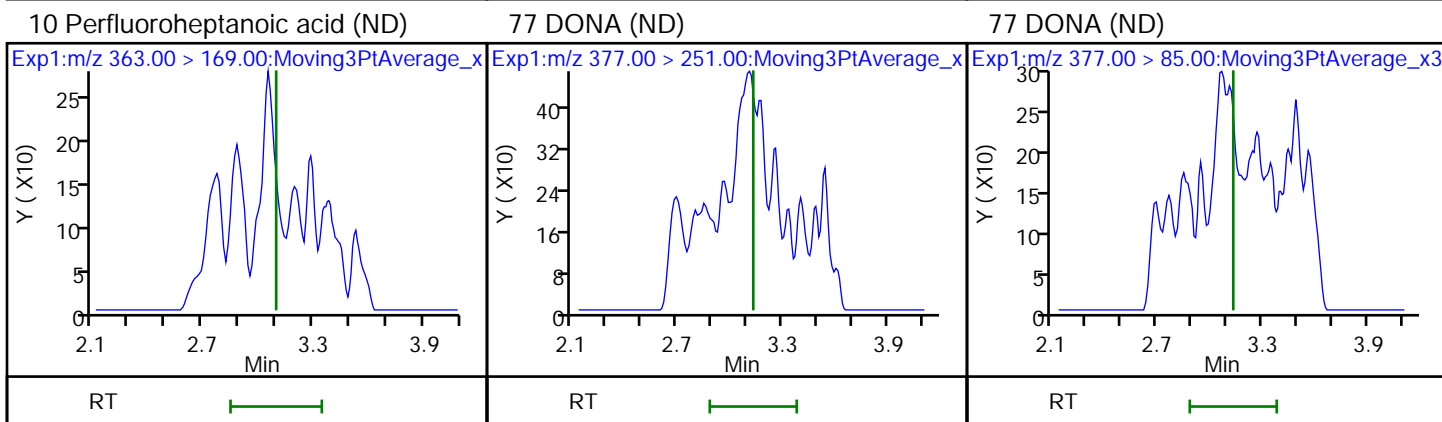
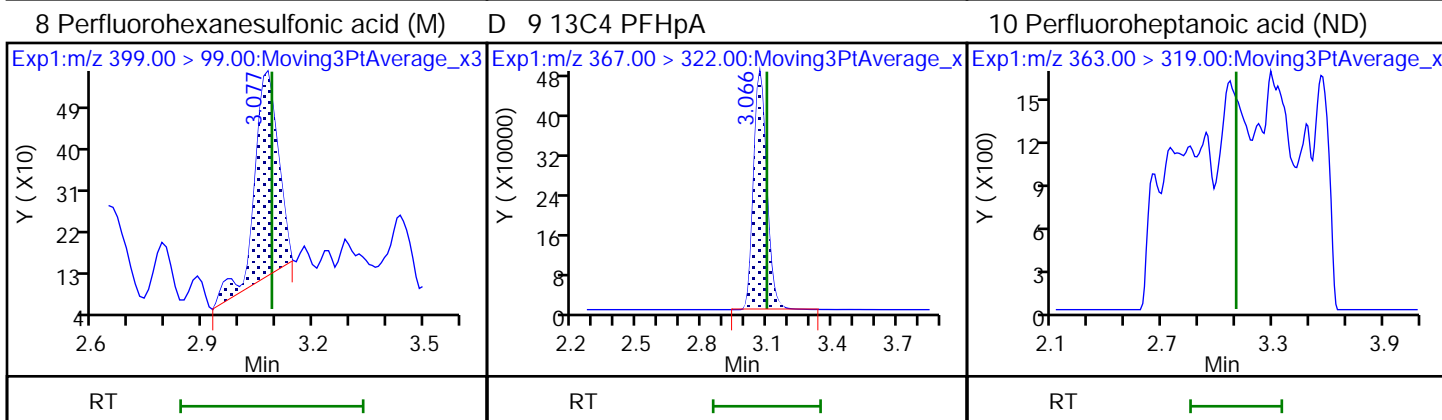
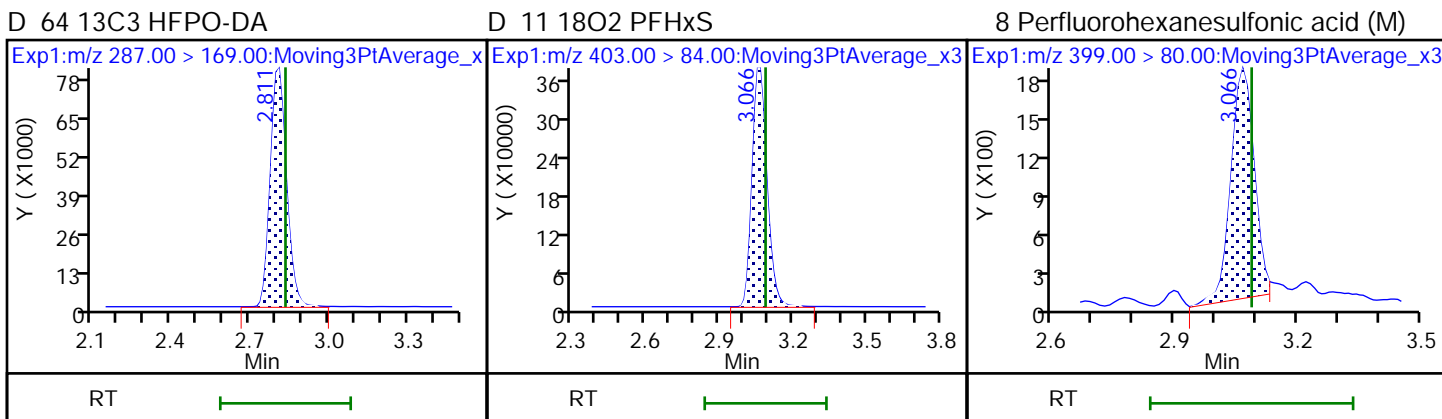
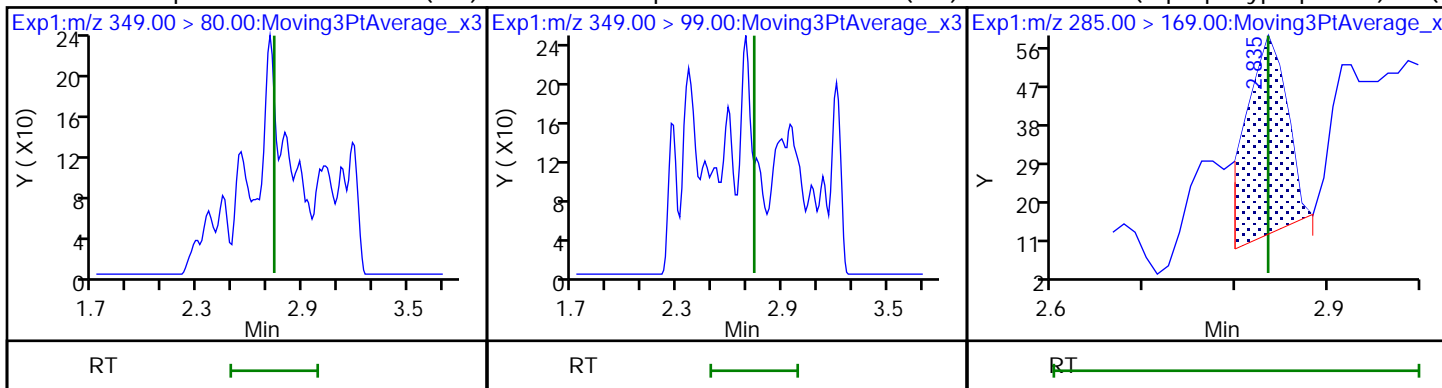
D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

D 3 13C5 PFPeA



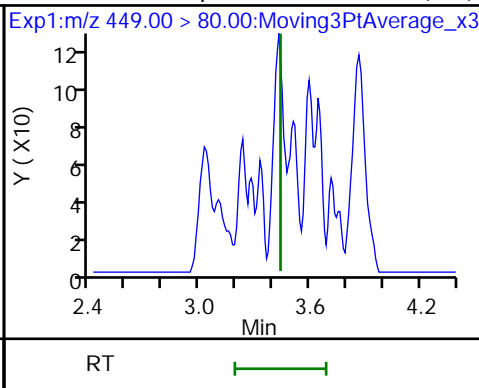
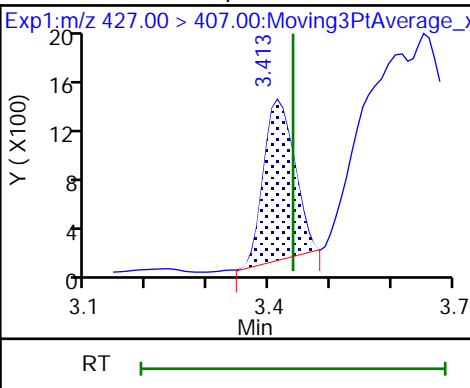
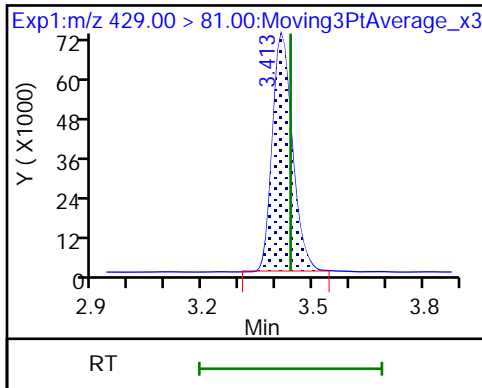
70 Perfluoropentanesulfonic acid (ND) 70 Perfluoropentanesulfonic acid (ND) 67 Perfluoro(2-propoxypropanoic) ac (M)



D 12 M2-6:2 FTS

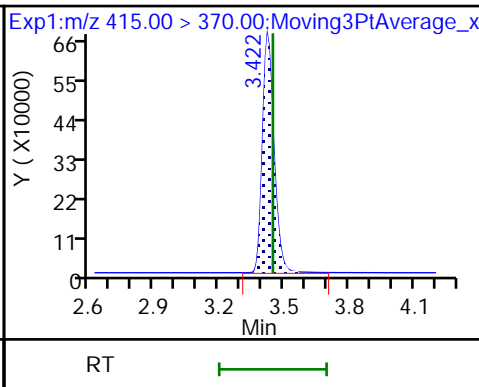
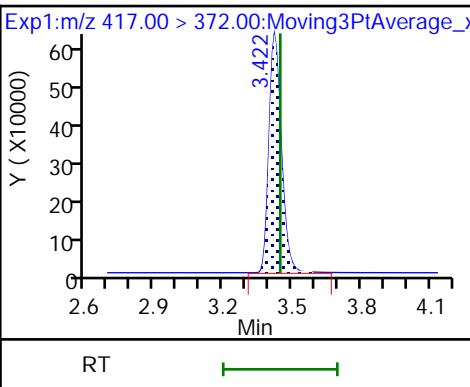
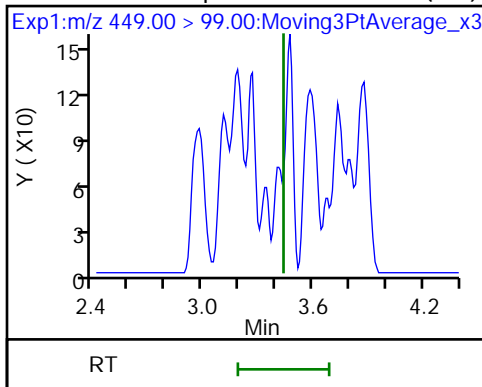
13 1H,1H,2H,2H-perfluorooctanesulfo

16 Perfluoroheptanesulfonic acid (ND)



16 Perfluoroheptanesulfonic acid (ND) D 14 13C4 PFOA

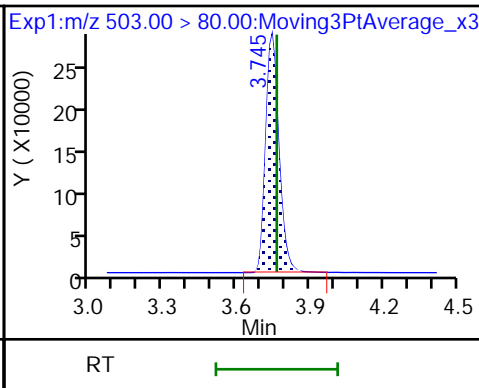
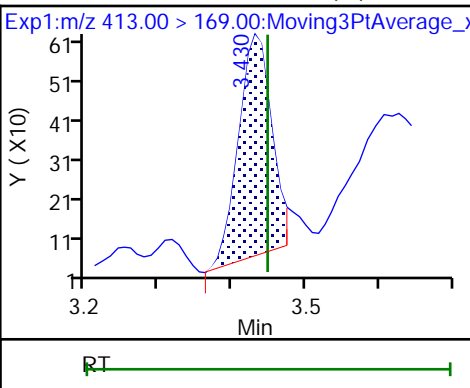
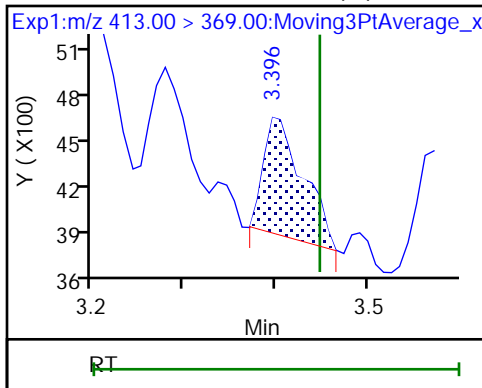
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

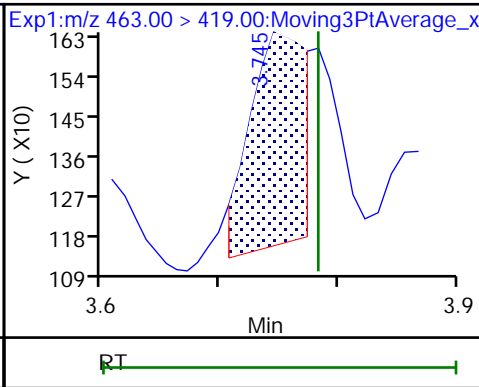
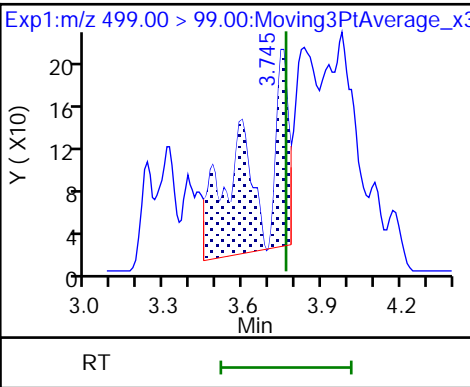
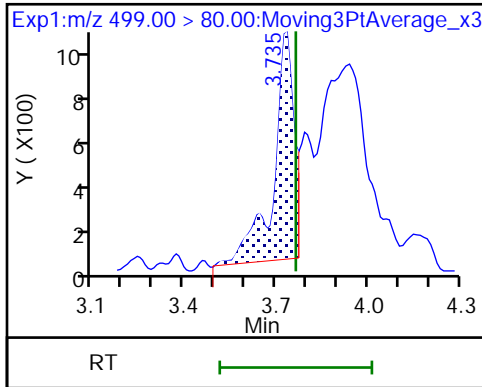
D 18 13C4 PFOS

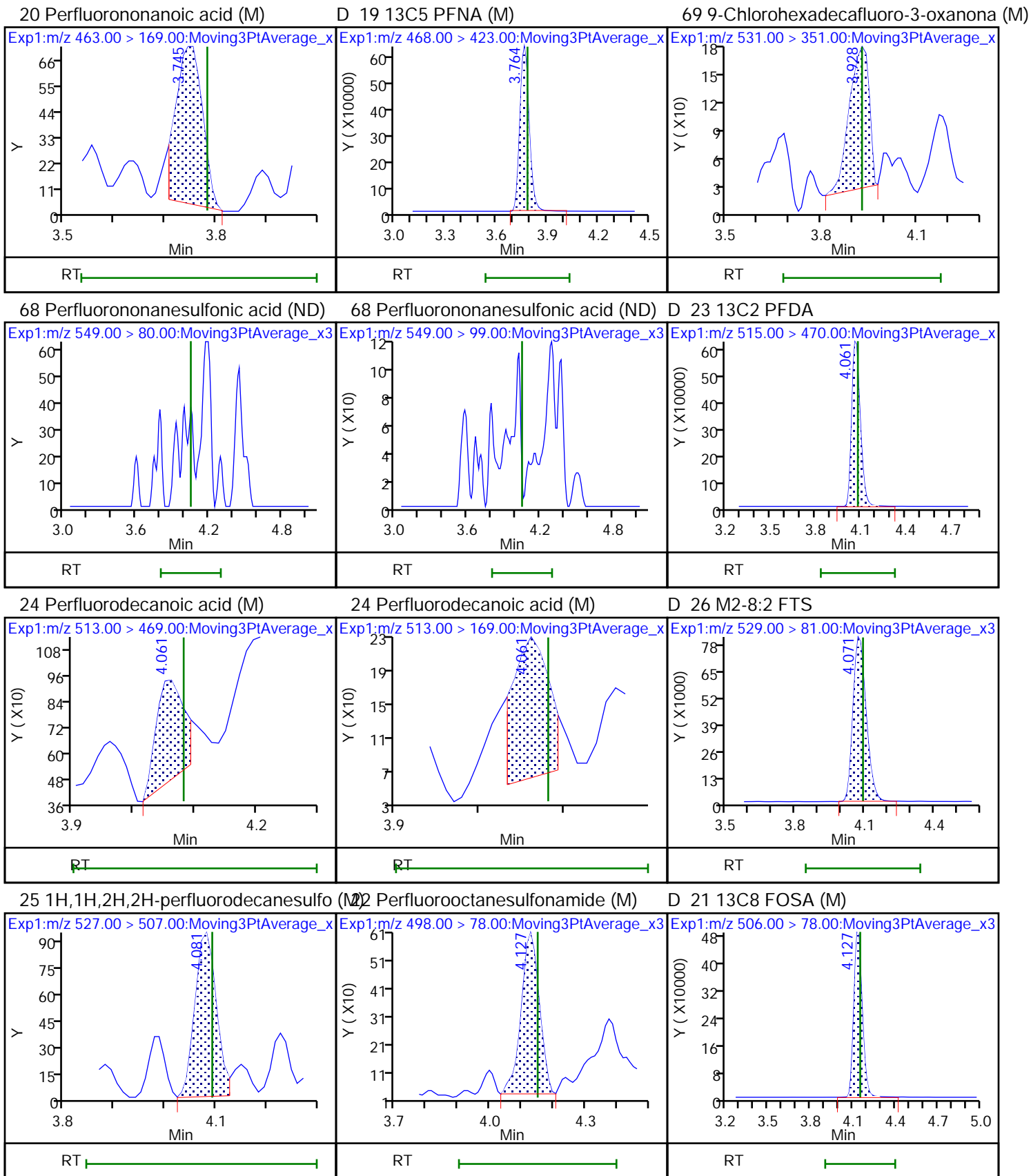


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

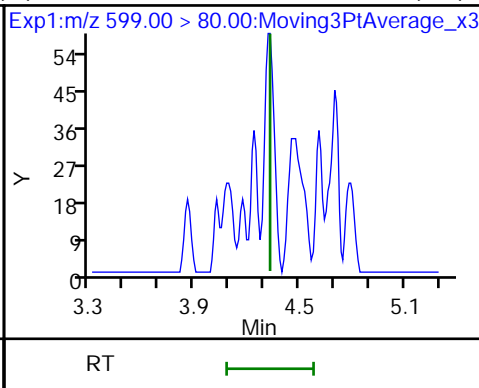
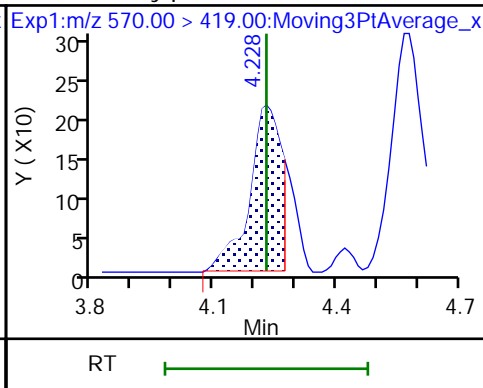
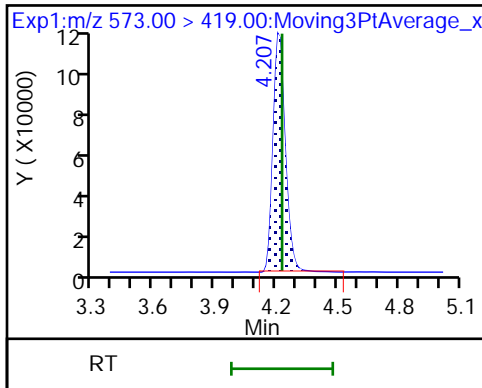
20 Perfluorononanoic acid (M)





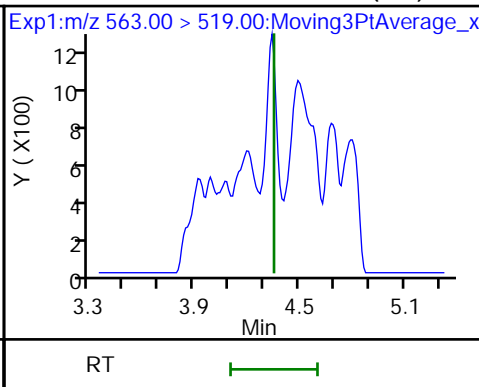
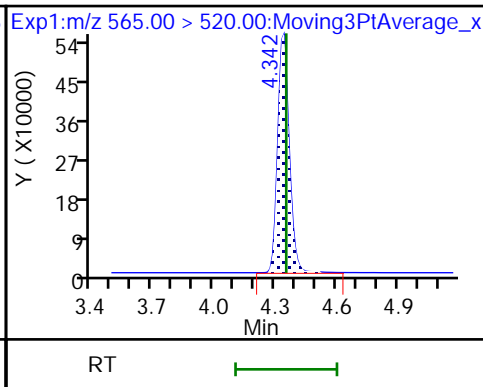
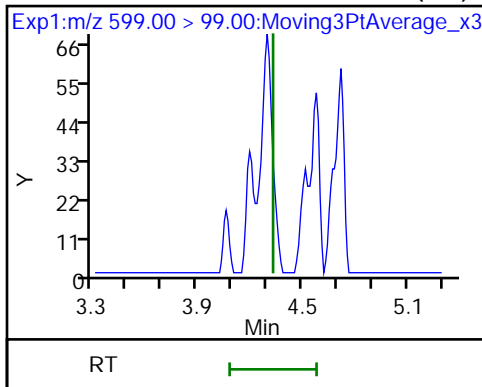
D 27 d3-NMeFOSAA

28 N-methylperfluorooctanesulfonami (M) 29 Perfluorodecanesulfonic acid (ND)



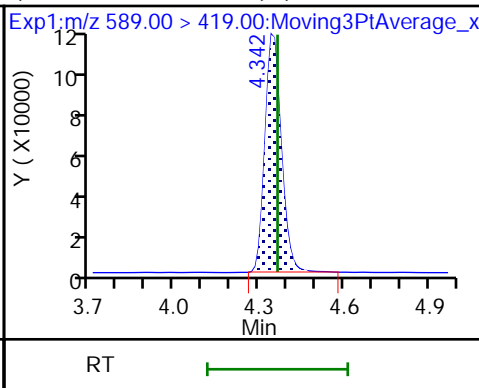
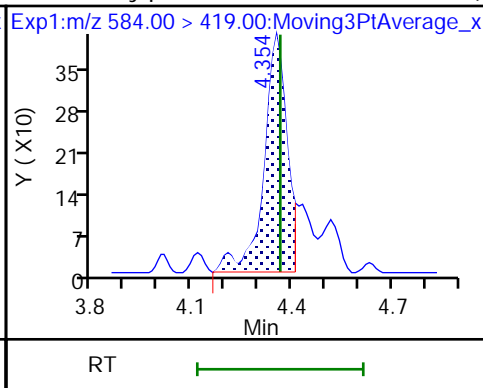
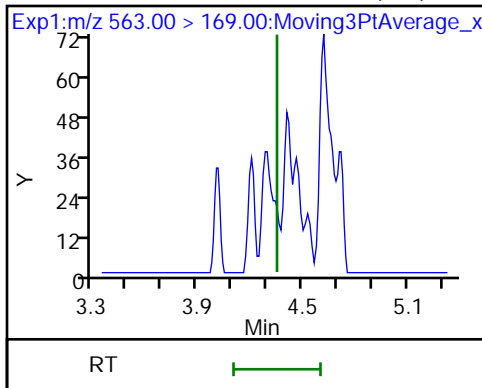
29 Perfluorodecanesulfonic acid (ND) D 30 13C2 PFUoA

31 Perfluoroundecanoic acid (ND)



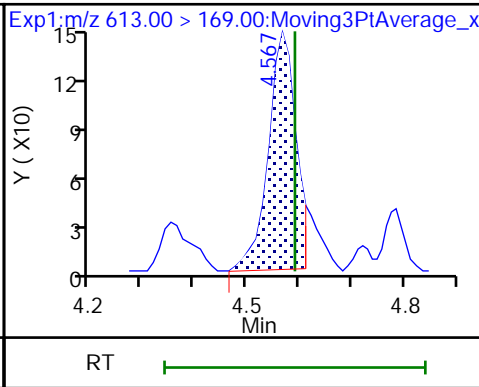
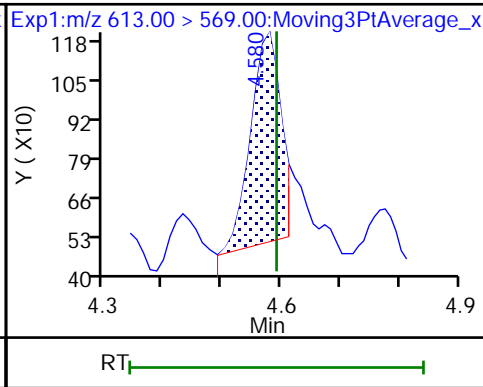
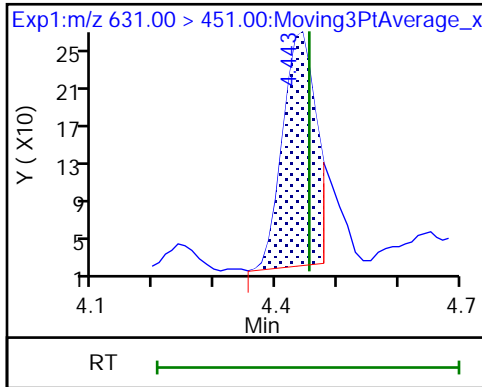
31 Perfluoroundecanoic acid (ND)

33 N-ethylperfluorooctanesulfonamid (ND) 32 d5-NEtFOSAA (M)



66 11-Chloroeicosafuoro-3-oxaundec (M) 37 Perfluorododecanoic acid (M)

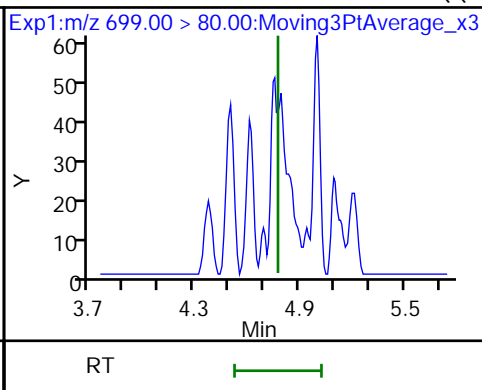
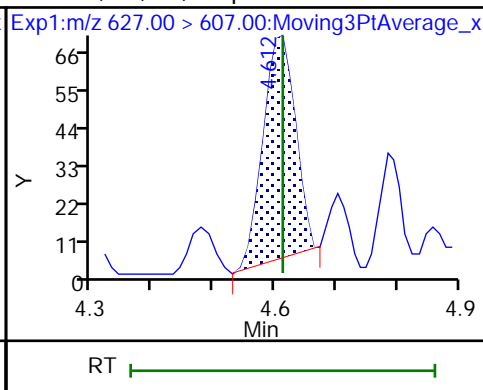
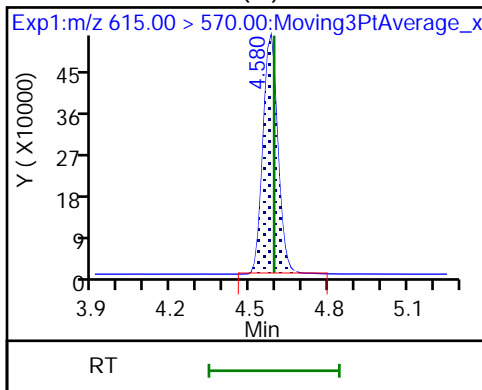
37 Perfluorododecanoic acid (M)



D 36 13C2 PFDa (M)

74 1H,1H,2H,2H-perfluorododecanesul

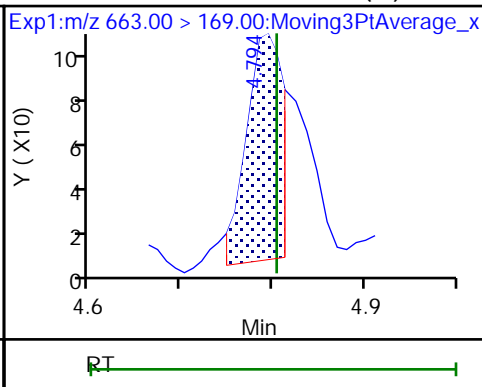
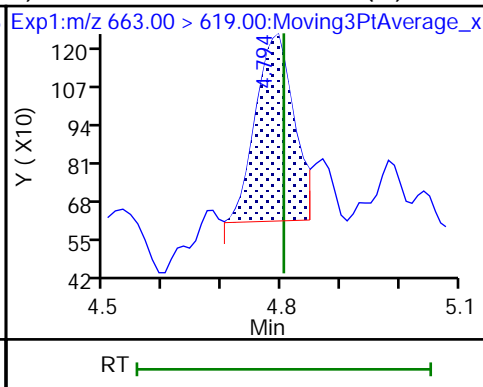
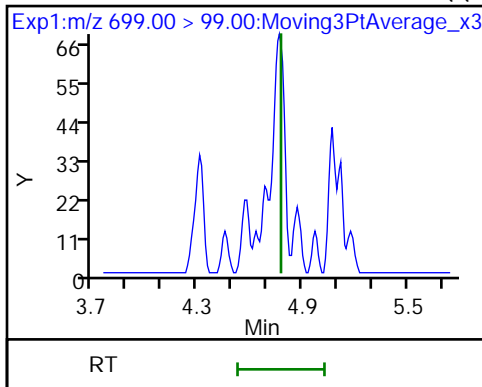
75 Perfluorododecanesulfonic acid ((ND)



75 Perfluorododecanesulfonic acid ((ND)

41 Perfluorotridecanoic acid (M)

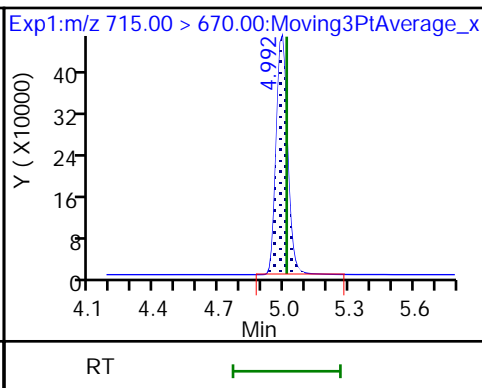
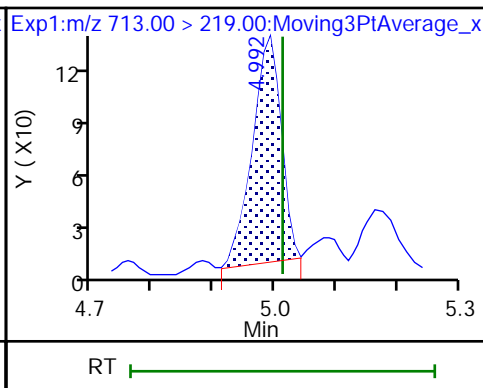
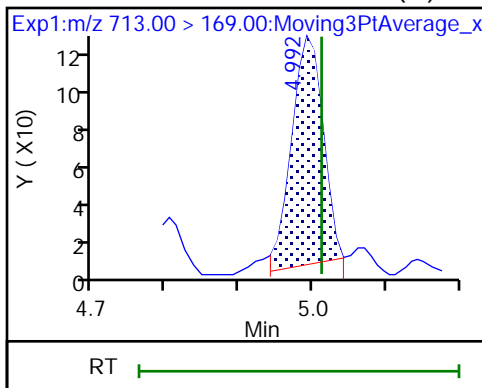
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid

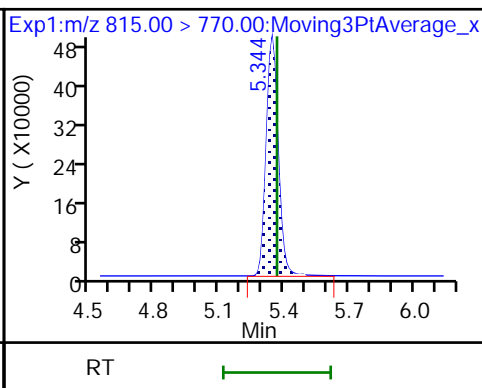
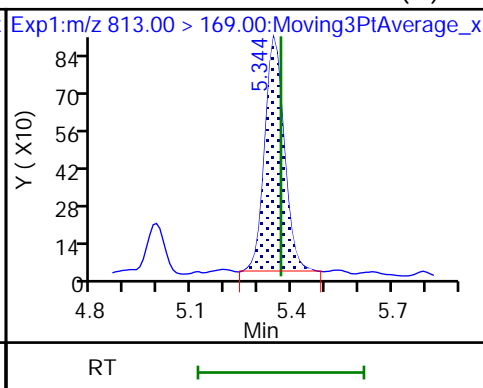
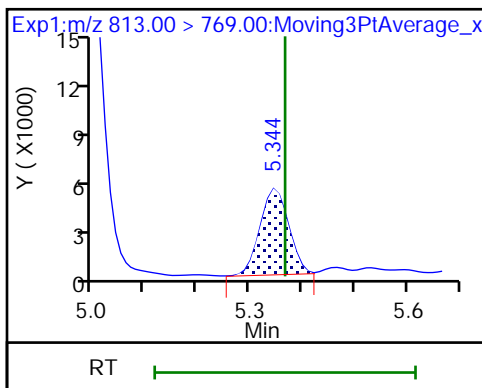
D 43 13C2 PFTeDA



45 Perfluorohexadecanoic acid

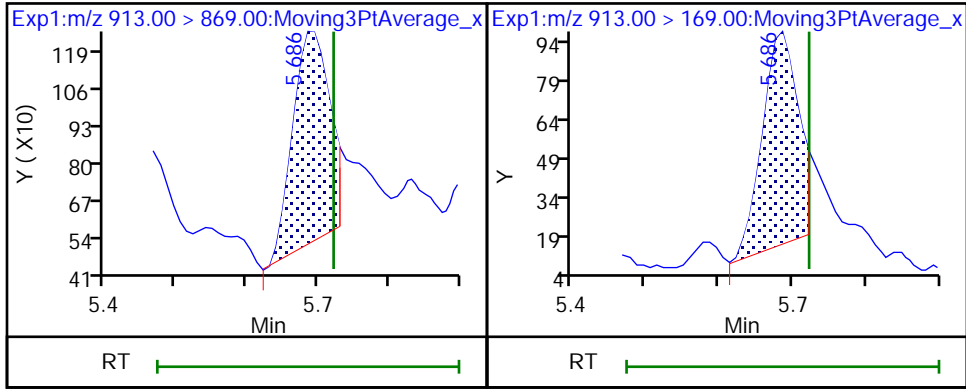
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

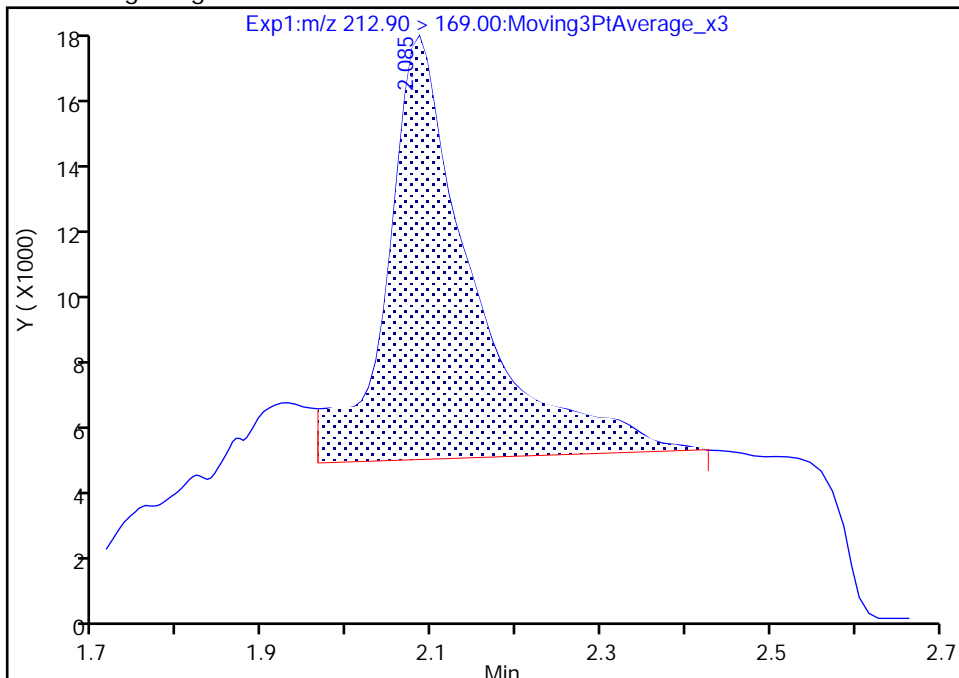
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A10.d
Injection Date: 02-Dec-2022 13:22:20 Instrument ID: LC812
Lims ID: MB 200-186249/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

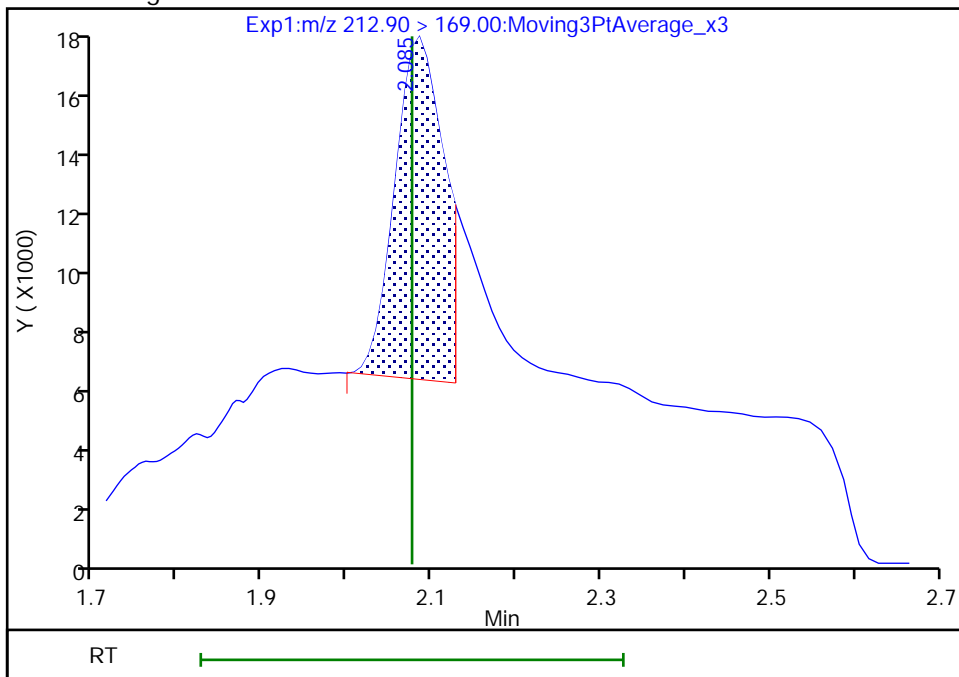
RT: 2.09
Area: 89816
Amount: 0.057430
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 44808
Amount: 0.028651
Amount Units: ng/ml

Manual Integration Results



Reviewer: SJ4N, 05-Dec-2022 11:06:10
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

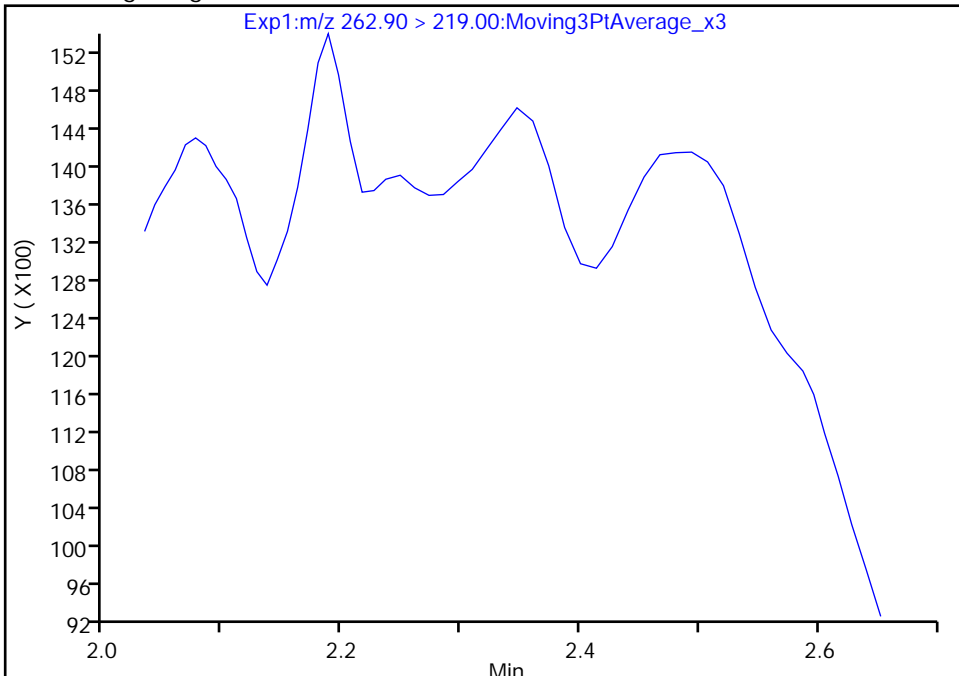
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A10.d
Injection Date: 02-Dec-2022 13:22:20 Instrument ID: LC812
Lims ID: MB 200-186249/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

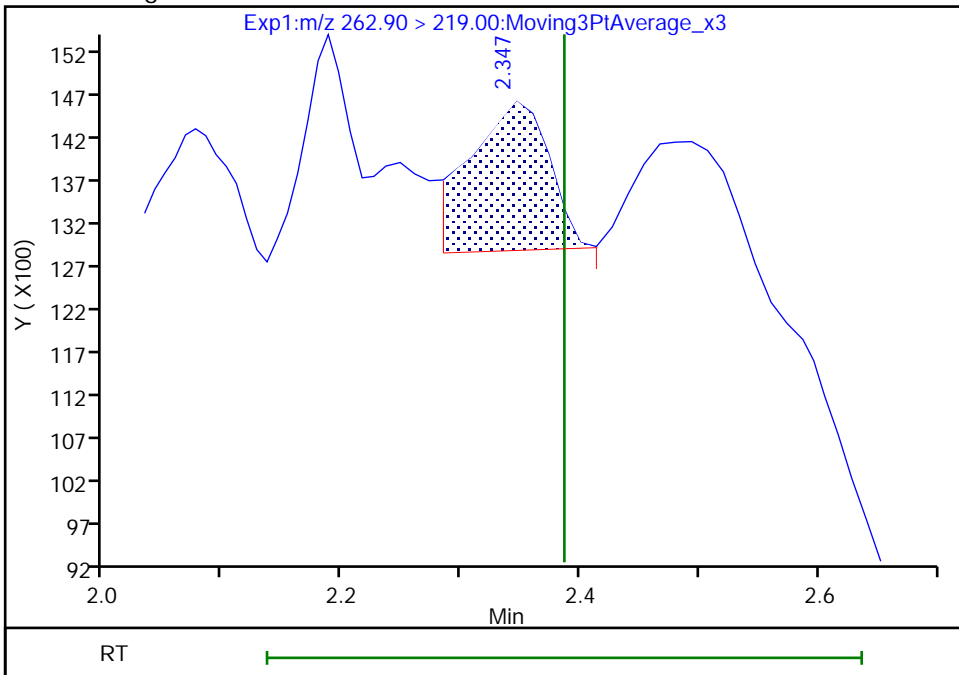
Not Detected
Expected RT: 2.39

Processing Integration Results



Manual Integration Results

RT: 2.35
Area: 7814
Amount: 0.004942
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 11:49:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 673 of 939

Eurofins Burlington

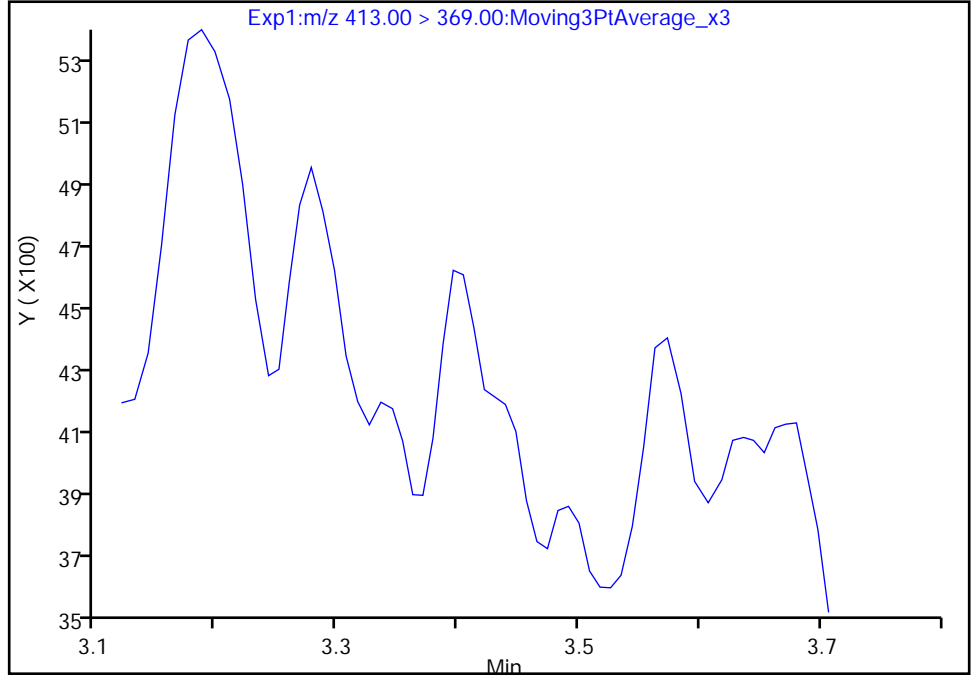
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A10.d
Injection Date: 02-Dec-2022 13:22:20 Instrument ID: LC812
Lims ID: MB 200-186249/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

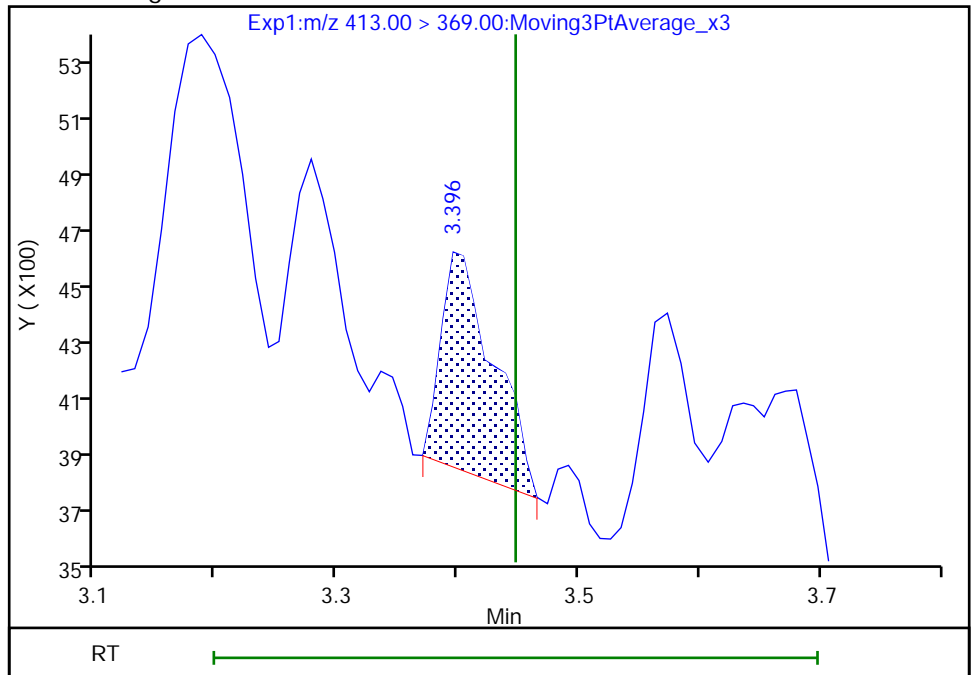
Not Detected
Expected RT: 3.45

Processing Integration Results



Manual Integration Results

RT: 3.40
Area: 2234
Amount: 0.001095
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 11:51:07
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

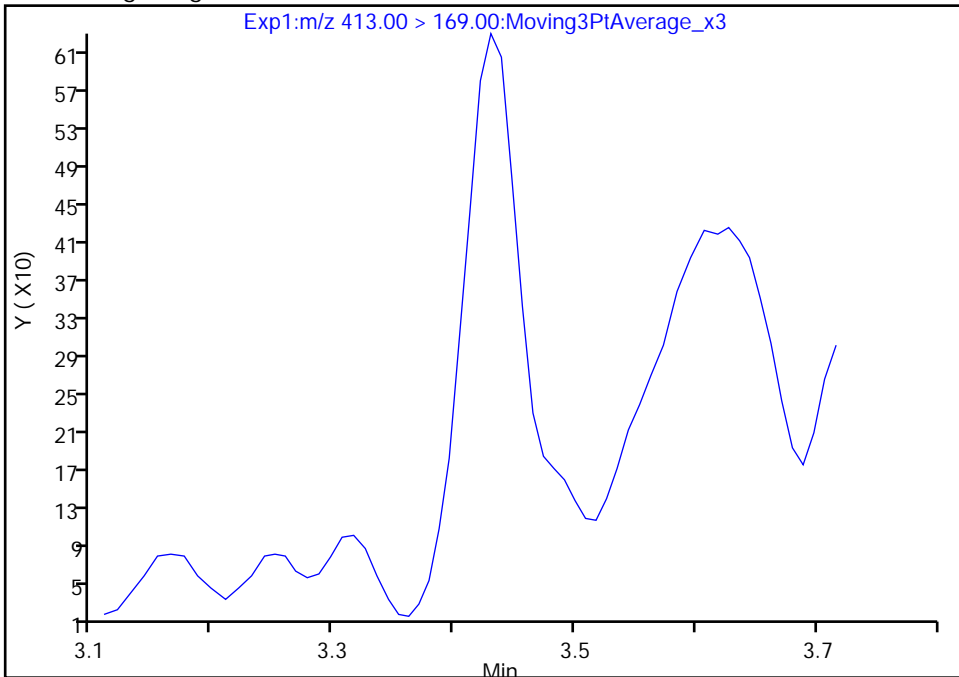
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A10.d
Injection Date: 02-Dec-2022 13:22:20 Instrument ID: LC812
Lims ID: MB 200-186249/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

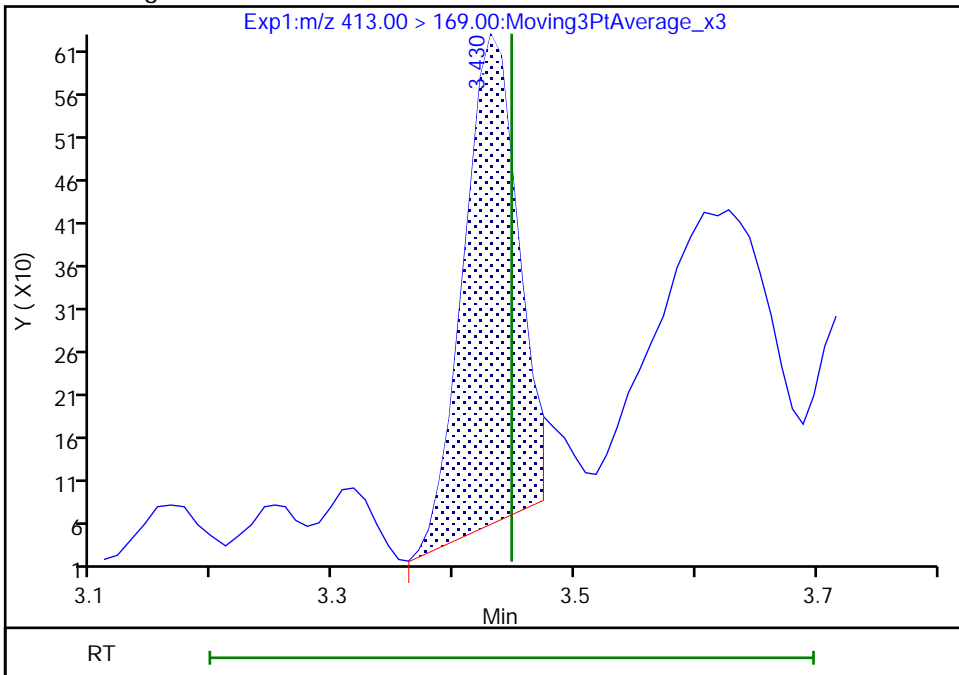
Not Detected
Expected RT: 3.45

Processing Integration Results



Manual Integration Results

RT: 3.43
Area: 1794
Amount: 0.001095
Amount Units: ng/ml



Eurofins Burlington

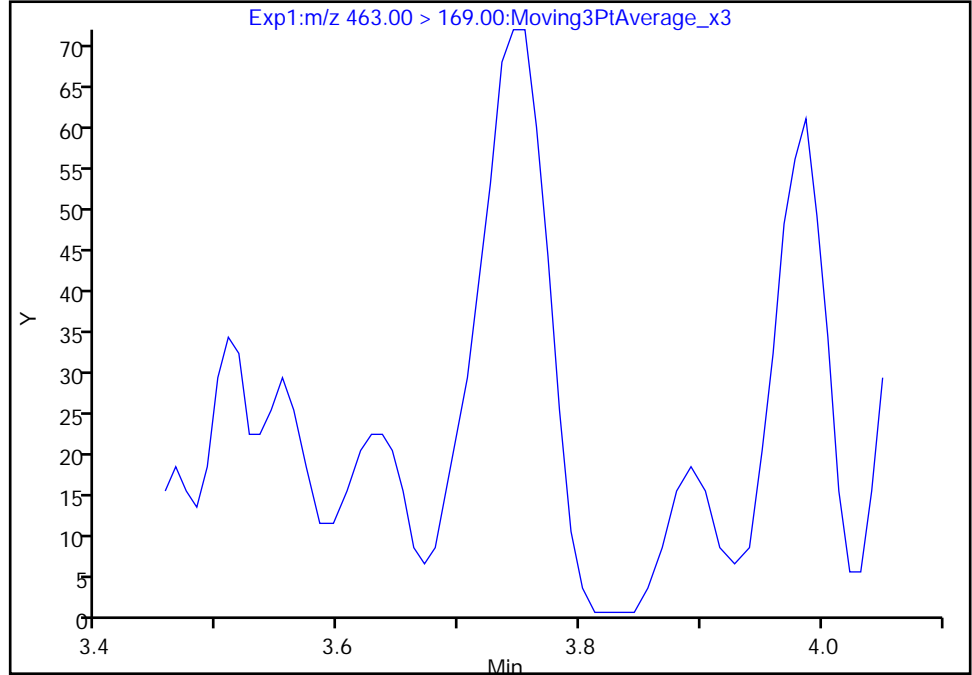
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A10.d
Injection Date: 02-Dec-2022 13:22:20 Instrument ID: LC812
Lims ID: MB 200-186249/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

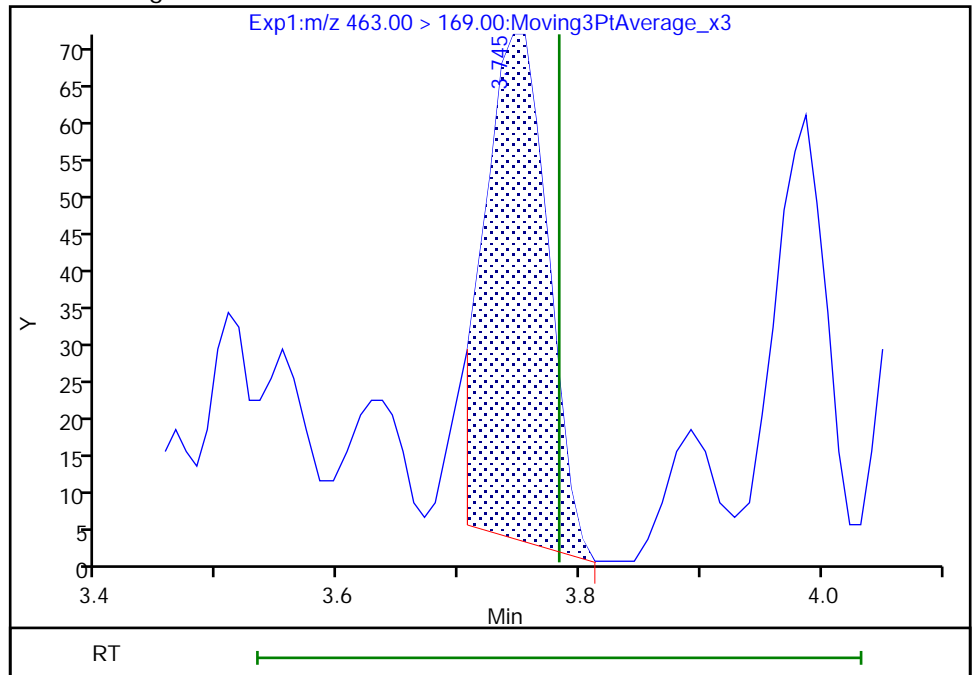
Not Detected
Expected RT: 3.78

Processing Integration Results



Manual Integration Results

RT: 3.74
Area: 248
Amount: 0.000741
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 11:52:07
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 676 of 939

Eurofins Burlington

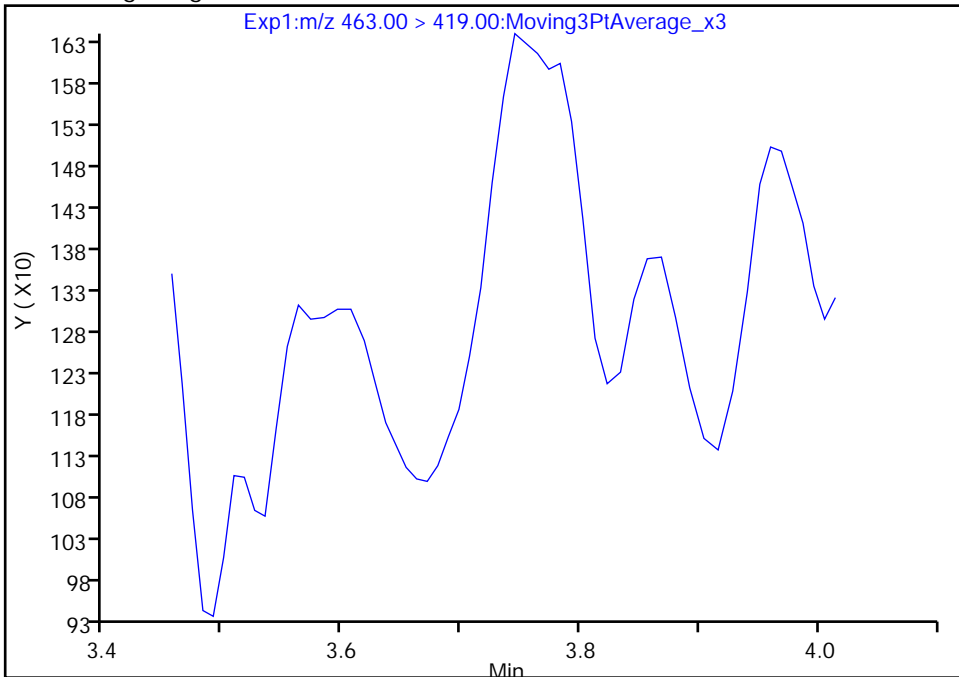
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A10.d
Injection Date: 02-Dec-2022 13:22:20 Instrument ID: LC812
Lims ID: MB 200-186249/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

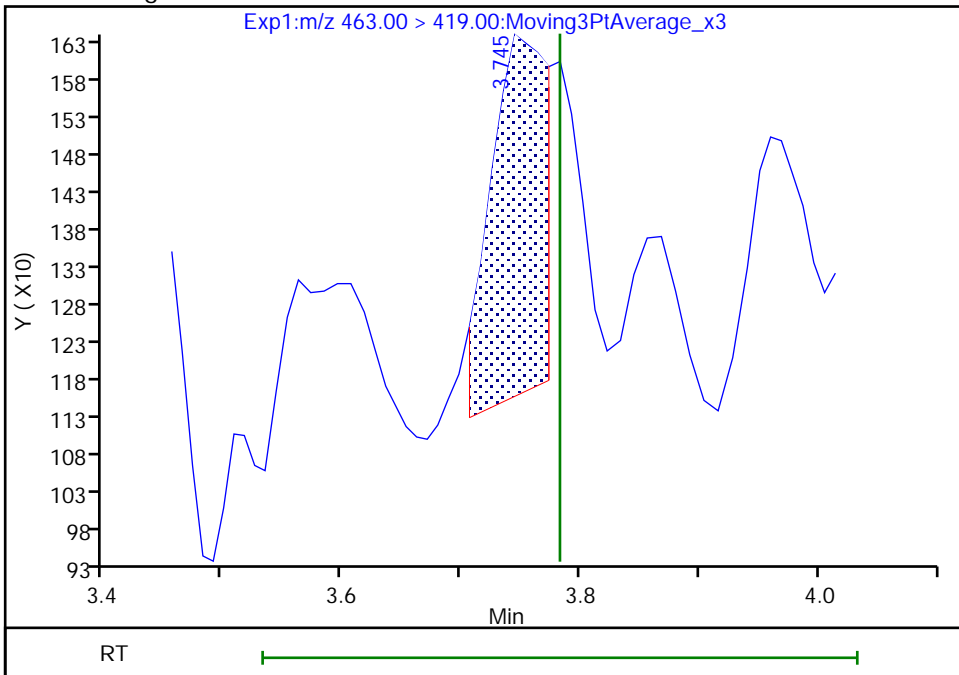
Not Detected
Expected RT: 3.78

Processing Integration Results



Manual Integration Results

RT: 3.74
Area: 1480
Amount: 0.000741
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 11:52:09

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

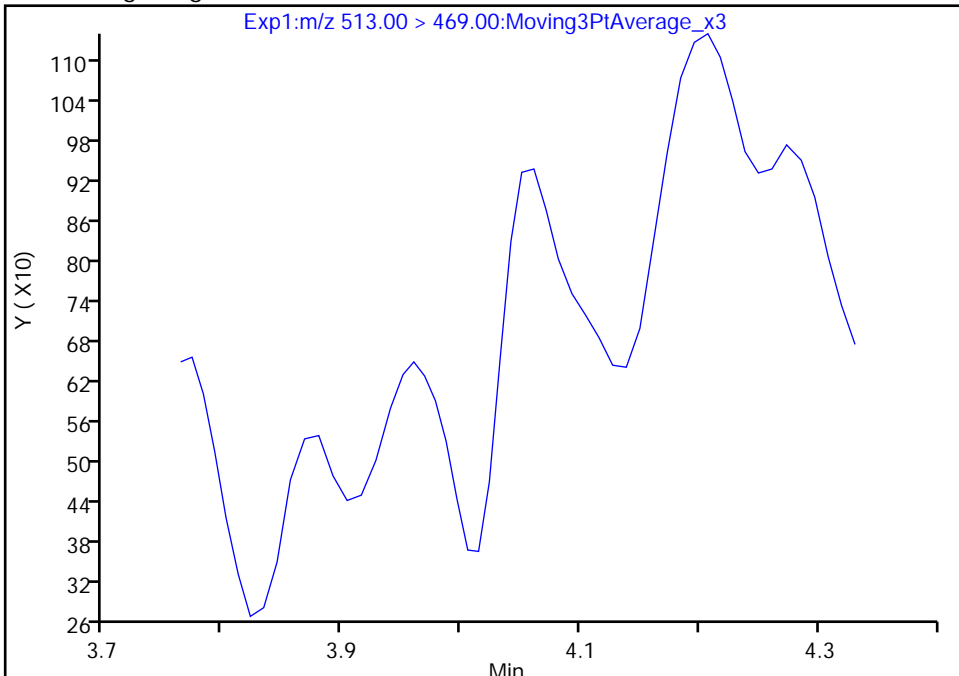
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A10.d
Injection Date: 02-Dec-2022 13:22:20 Instrument ID: LC812
Lims ID: MB 200-186249/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

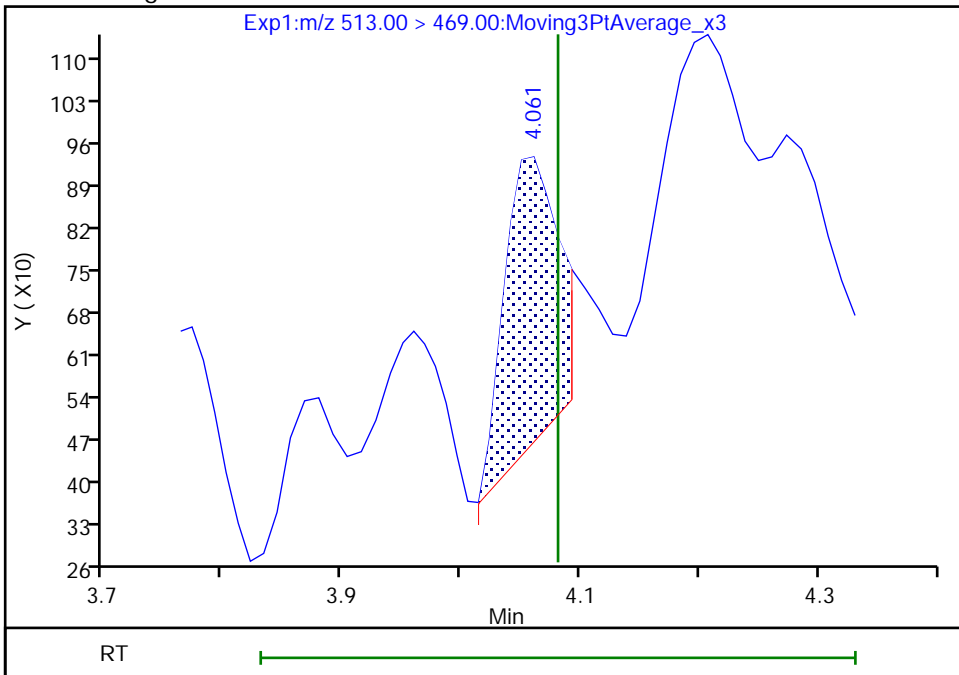
Not Detected
Expected RT: 4.08

Processing Integration Results



Manual Integration Results

RT: 4.06
Area: 1469
Amount: 0.000685
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 11:52:34
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 678 of 939

Eurofins Burlington

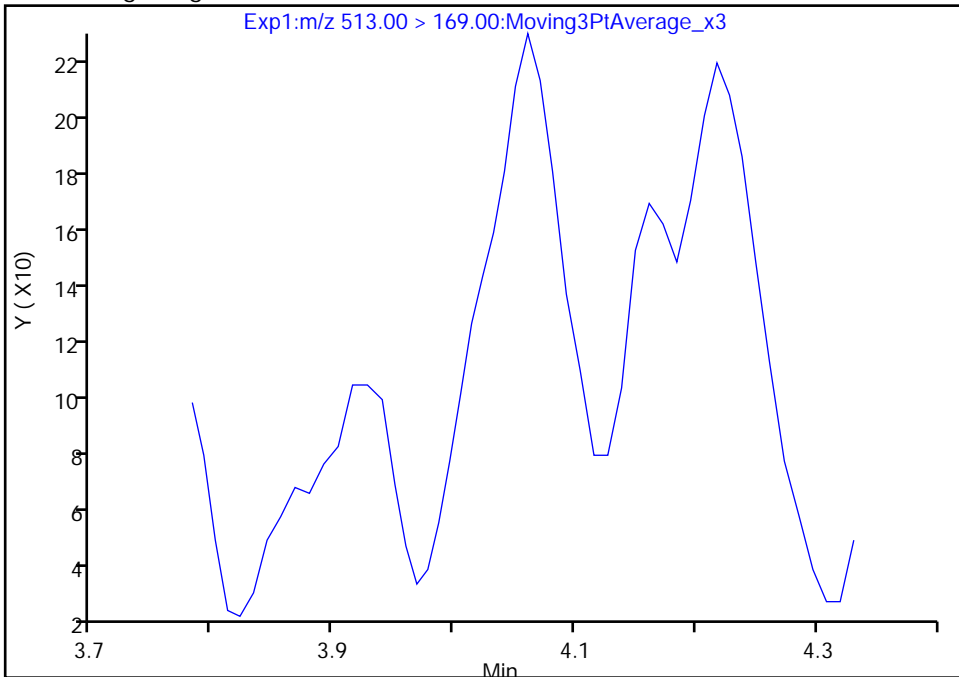
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A10.d
Injection Date: 02-Dec-2022 13:22:20 Instrument ID: LC812
Lims ID: MB 200-186249/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

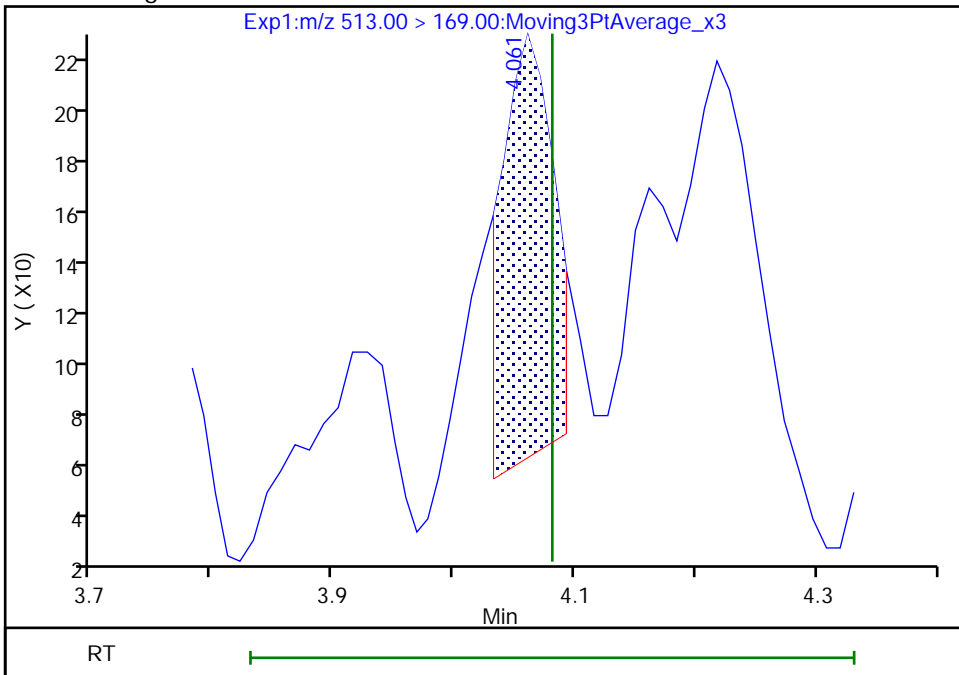
Not Detected
Expected RT: 4.08

Processing Integration Results



RT: 4.06
Area: 451
Amount: 0.000685
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:52:38

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 679 of 939

Eurofins Burlington

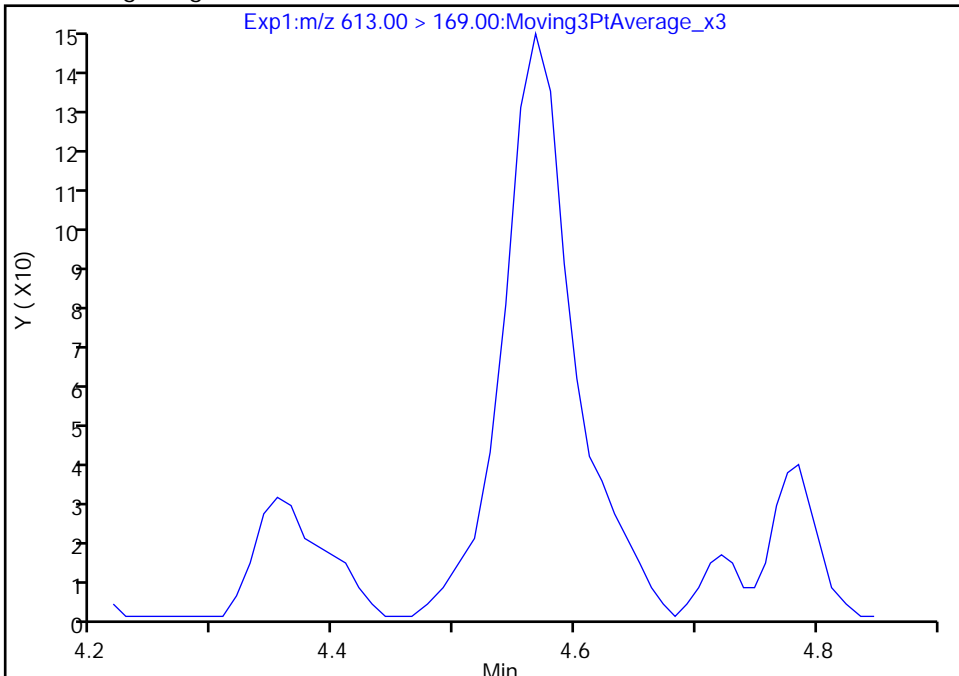
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A10.d
Injection Date: 02-Dec-2022 13:22:20 Instrument ID: LC812
Lims ID: MB 200-186249/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

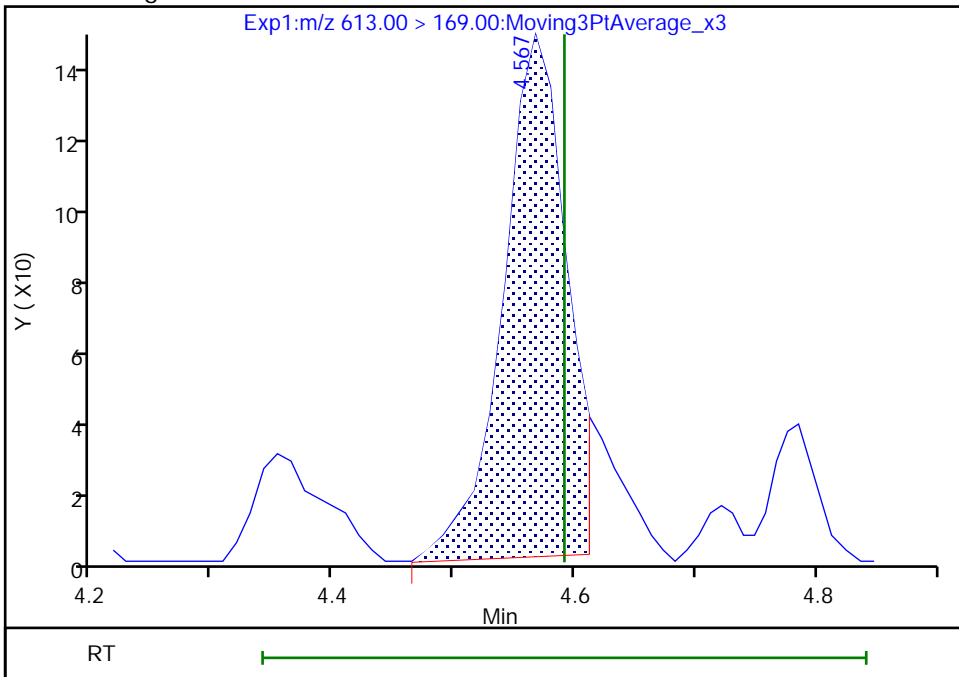
Not Detected
Expected RT: 4.59

Processing Integration Results



Manual Integration Results

RT: 4.57
Area: 505
Amount: 0.001409
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 11:54:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 680 of 939

Eurofins Burlington

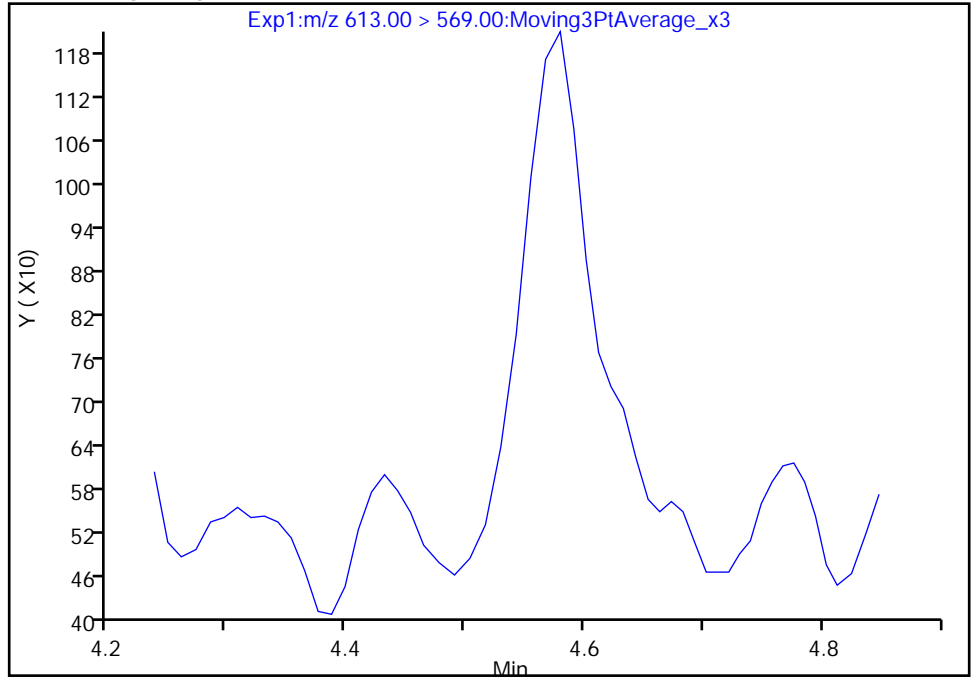
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A10.d
Injection Date: 02-Dec-2022 13:22:20 Instrument ID: LC812
Lims ID: MB 200-186249/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

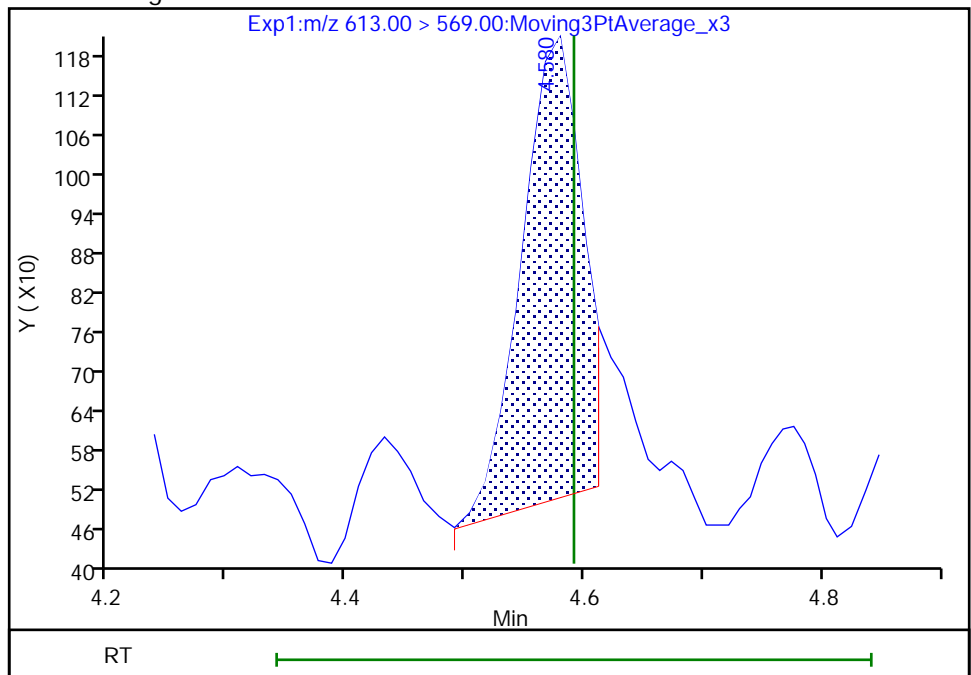
Not Detected
Expected RT: 4.59

Processing Integration Results



Manual Integration Results

RT: 4.58
Area: 2467
Amount: 0.001409
Amount Units: ng/ml



Reviewer: nampitkw, 05-Dec-2022 11:54:06

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

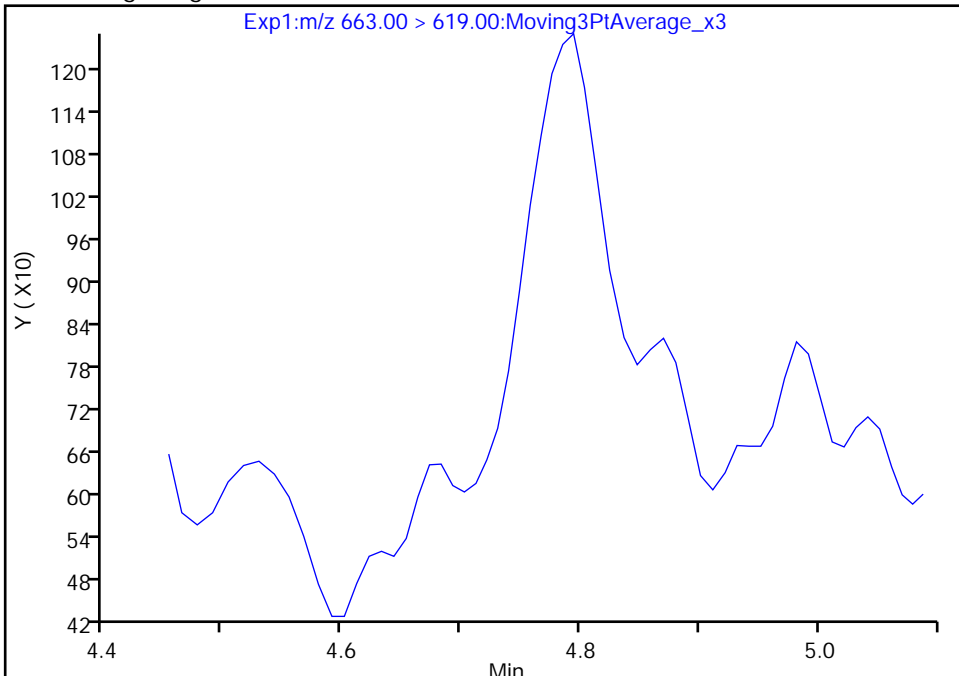
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A10.d
Injection Date: 02-Dec-2022 13:22:20 Instrument ID: LC812
Lims ID: MB 200-186249/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

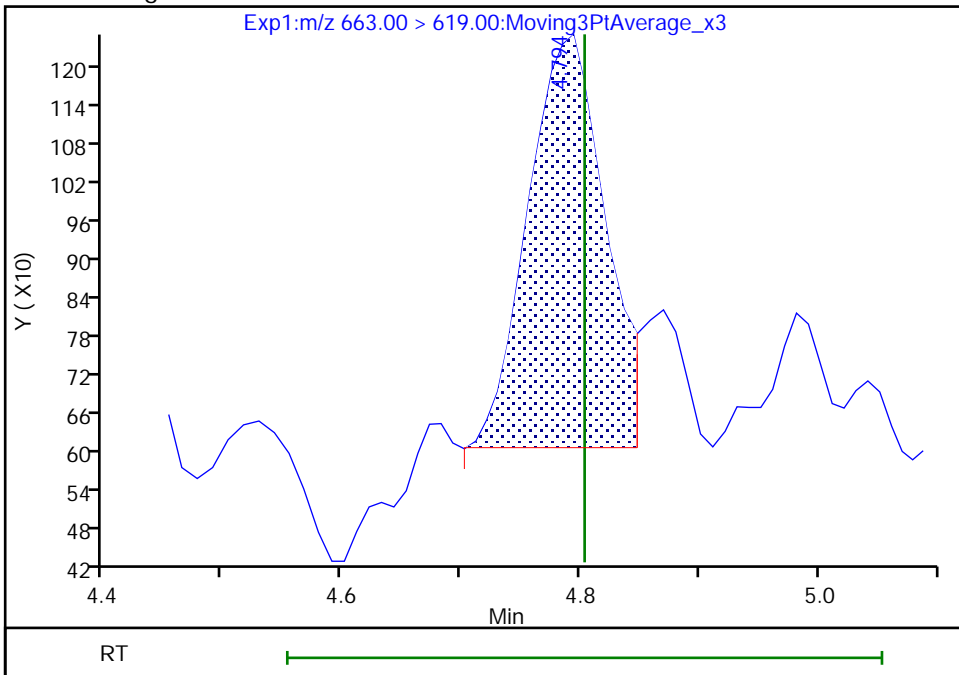
Not Detected
Expected RT: 4.80

Processing Integration Results



Manual Integration Results

RT: 4.79
Area: 2857
Amount: 0.001707
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 11:54:25
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

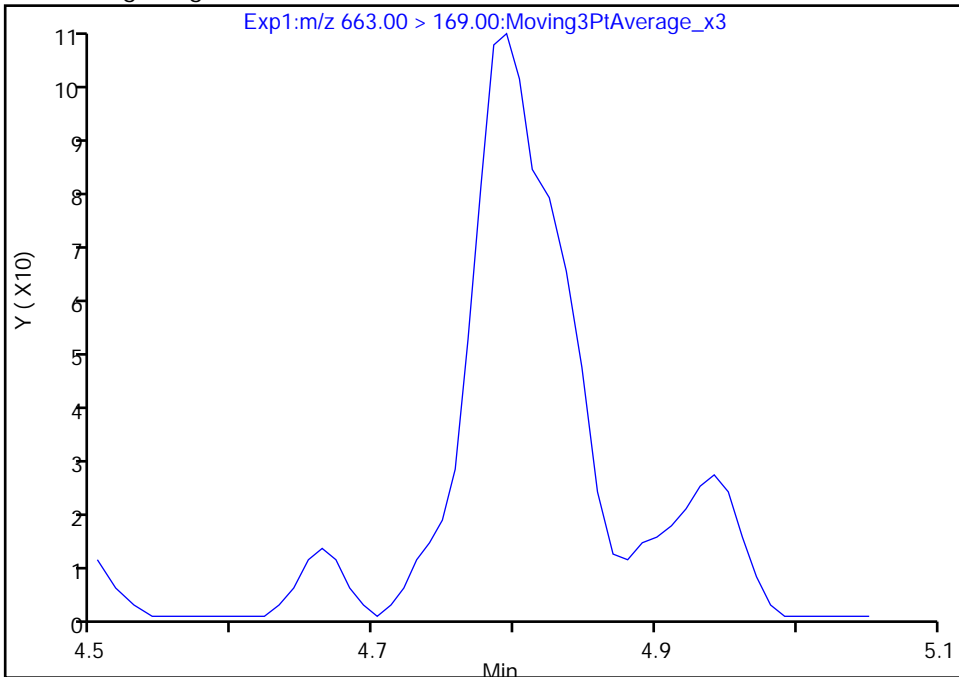
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A10.d
Injection Date: 02-Dec-2022 13:22:20 Instrument ID: LC812
Lims ID: MB 200-186249/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

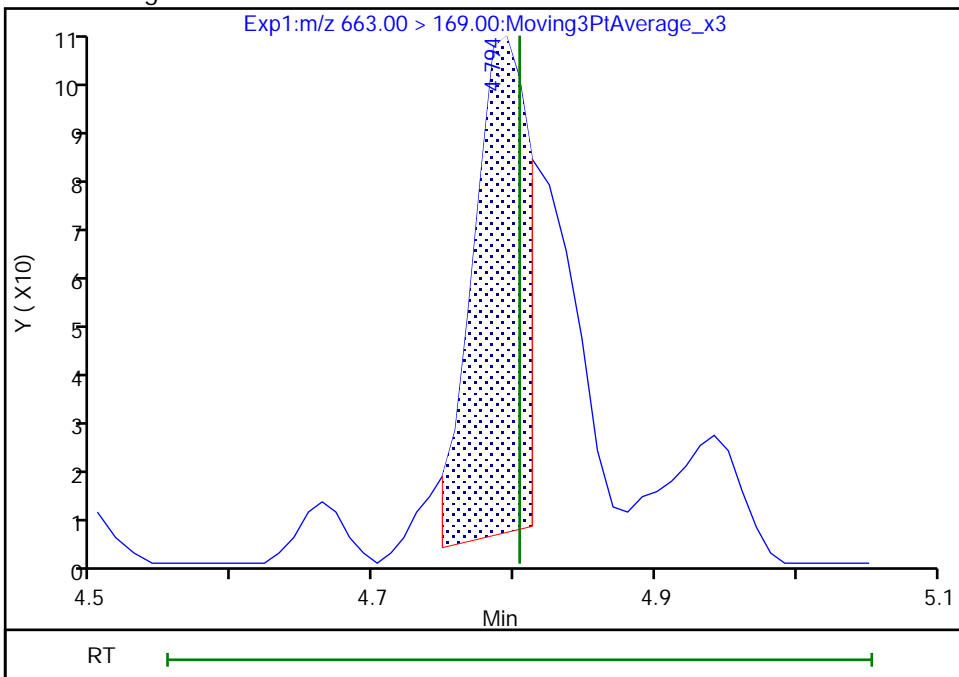
Not Detected
Expected RT: 4.80

Processing Integration Results



Manual Integration Results

RT: 4.79
Area: 256
Amount: 0.001707
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 11:54:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

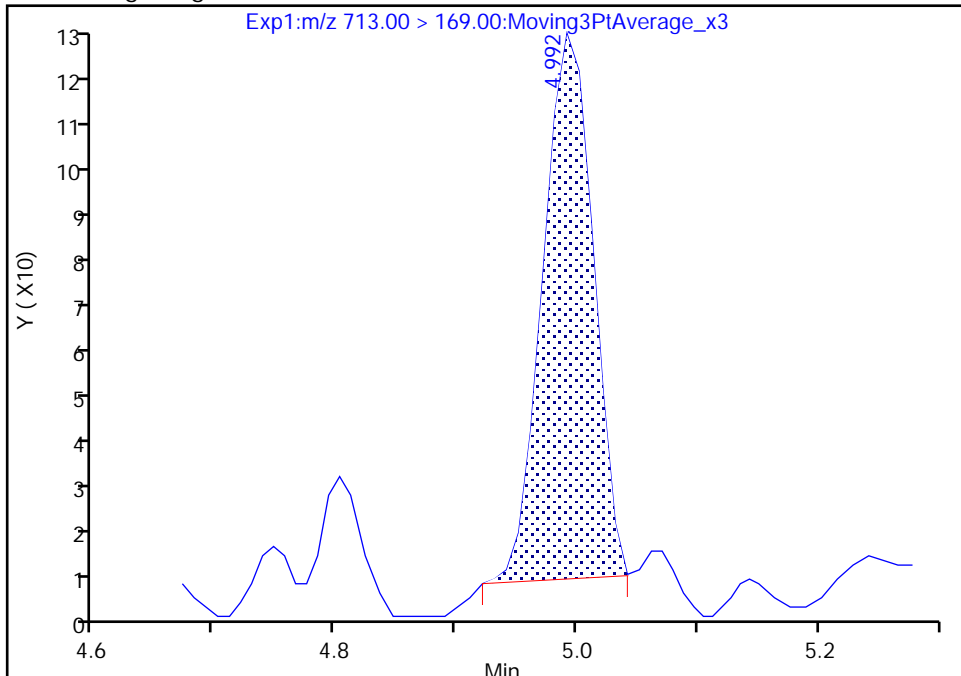
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A10.d
Injection Date: 02-Dec-2022 13:22:20 Instrument ID: LC812
Lims ID: MB 200-186249/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

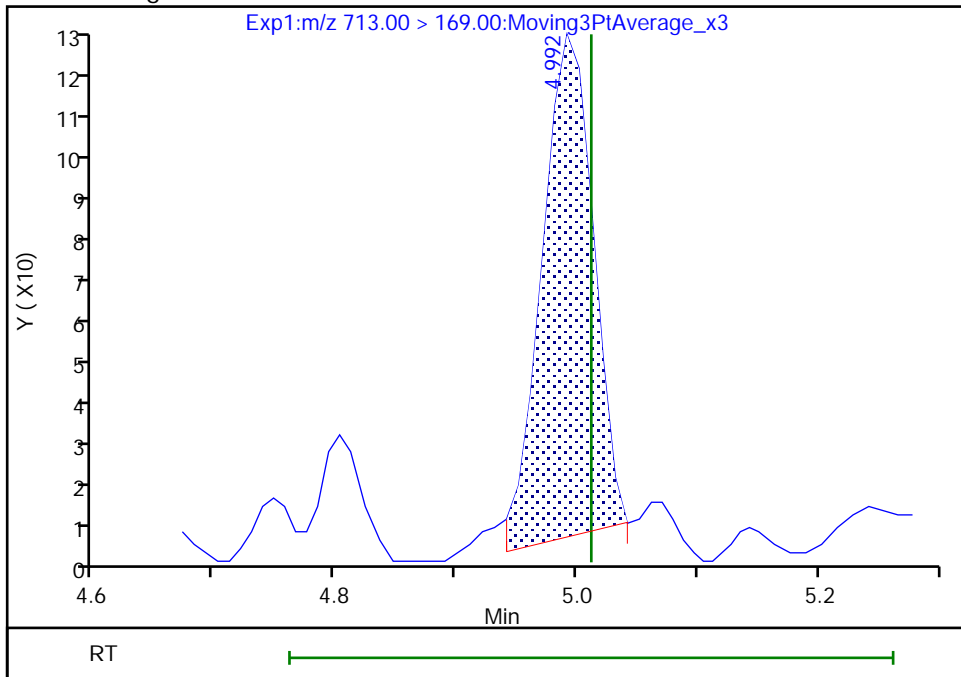
RT: 4.99
Area: 338
Amount: 0.001830
Amount Units: ng/ml

Processing Integration Results



RT: 4.99
Area: 353
Amount: 0.001911
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:54:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

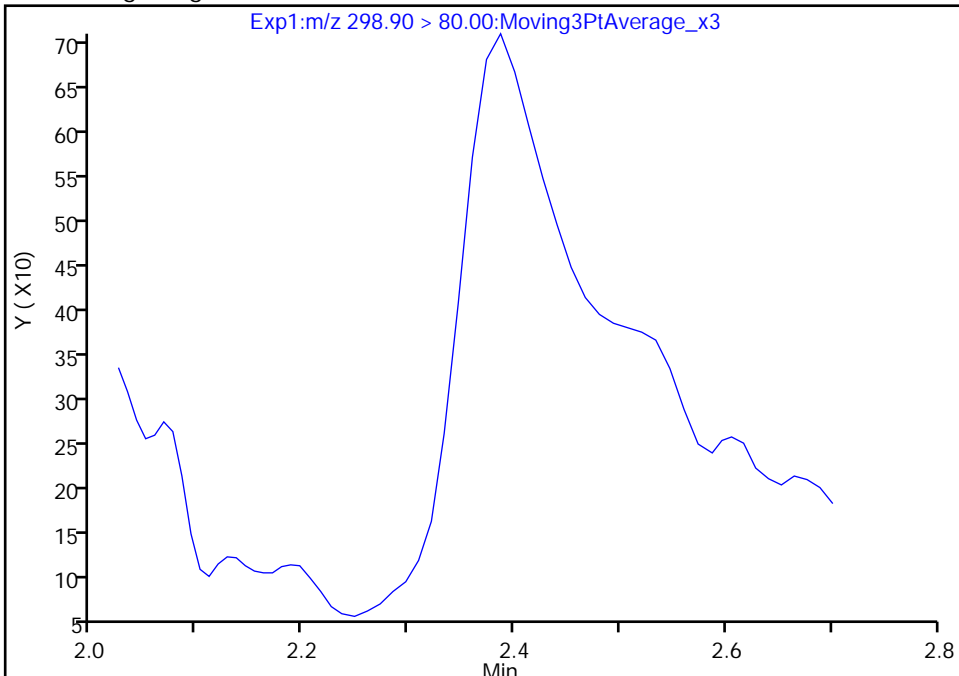
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A10.d
Injection Date: 02-Dec-2022 13:22:20 Instrument ID: LC812
Lims ID: MB 200-186249/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

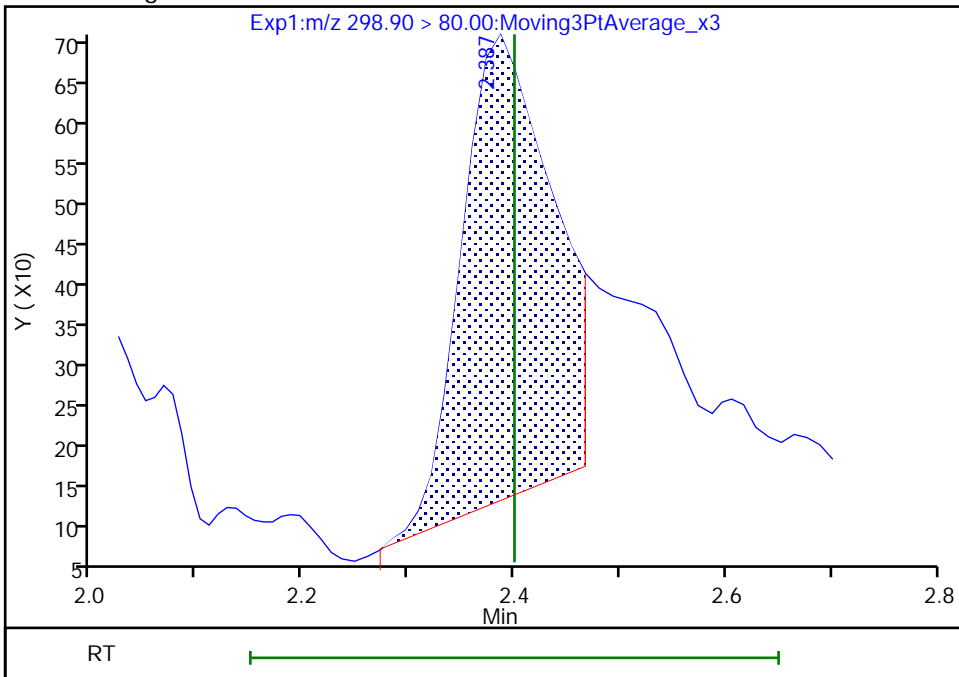
Not Detected
Expected RT: 2.40

Processing Integration Results



Manual Integration Results

RT: 2.39
Area: 3437
Amount: 0.001736
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 11:49:24
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 685 of 939

Eurofins Burlington

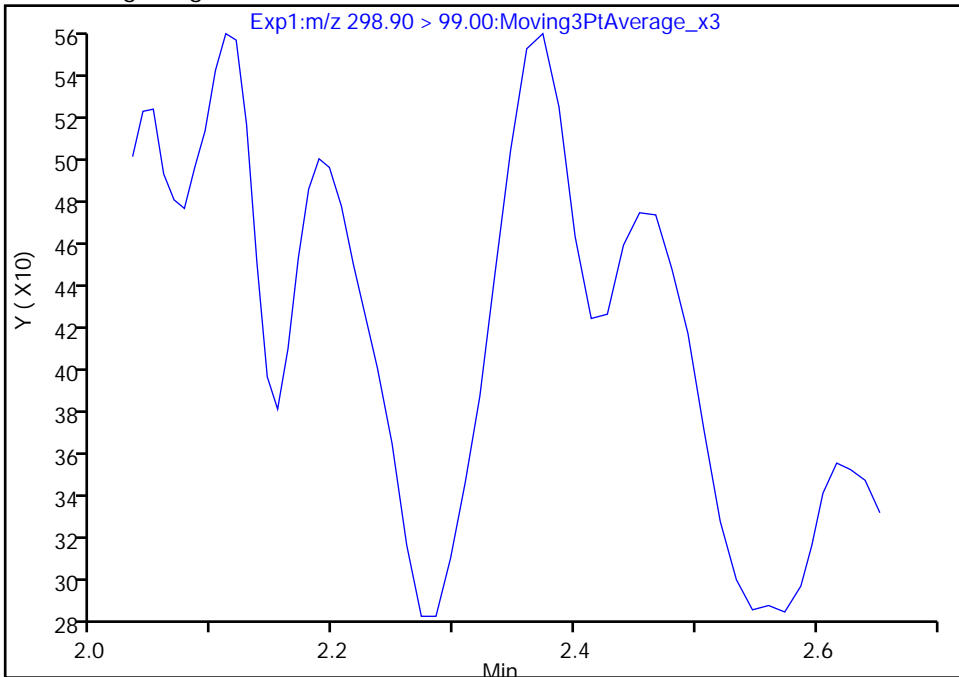
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A10.d
Injection Date: 02-Dec-2022 13:22:20 Instrument ID: LC812
Lims ID: MB 200-186249/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

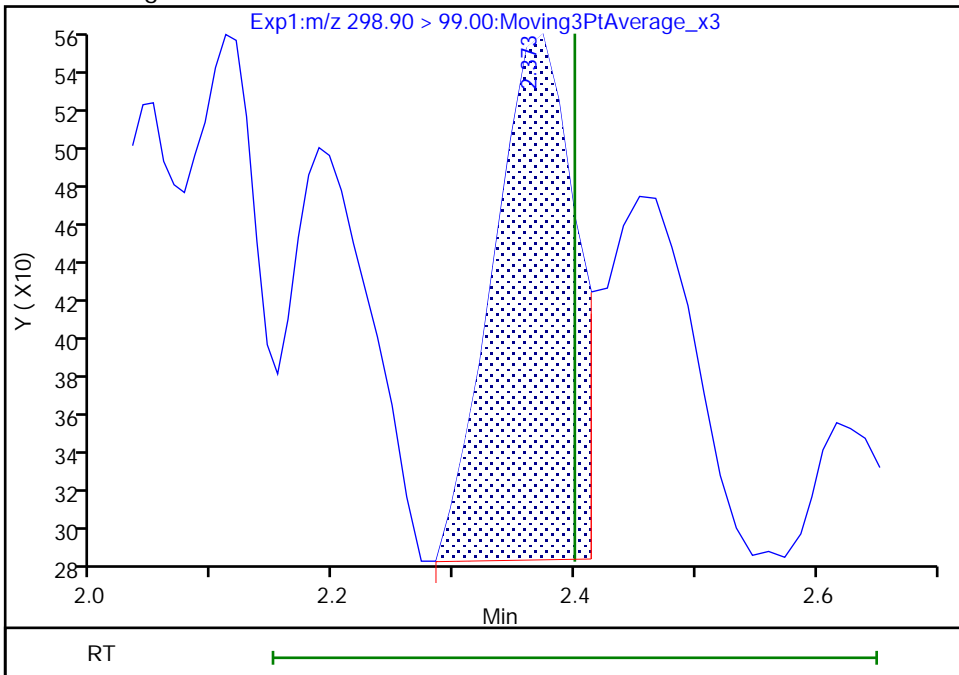
Not Detected
Expected RT: 2.40

Processing Integration Results



Manual Integration Results

RT: 2.37
Area: 1240
Amount: 0.001736
Amount Units: ng/ml



Eurofins Burlington

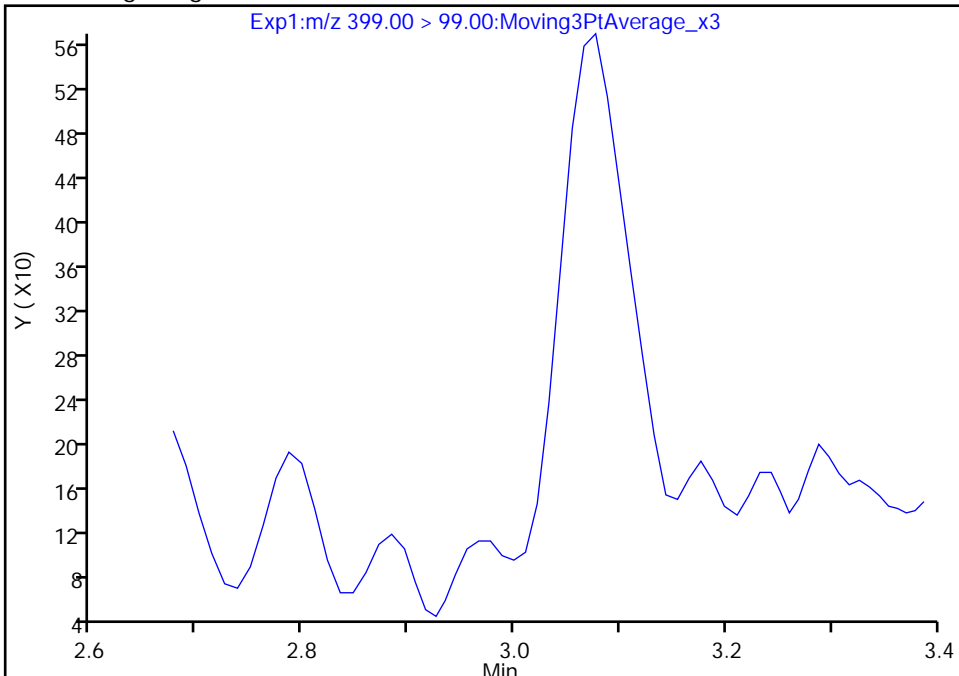
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A10.d
Injection Date: 02-Dec-2022 13:22:20 Instrument ID: LC812
Lims ID: MB 200-186249/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

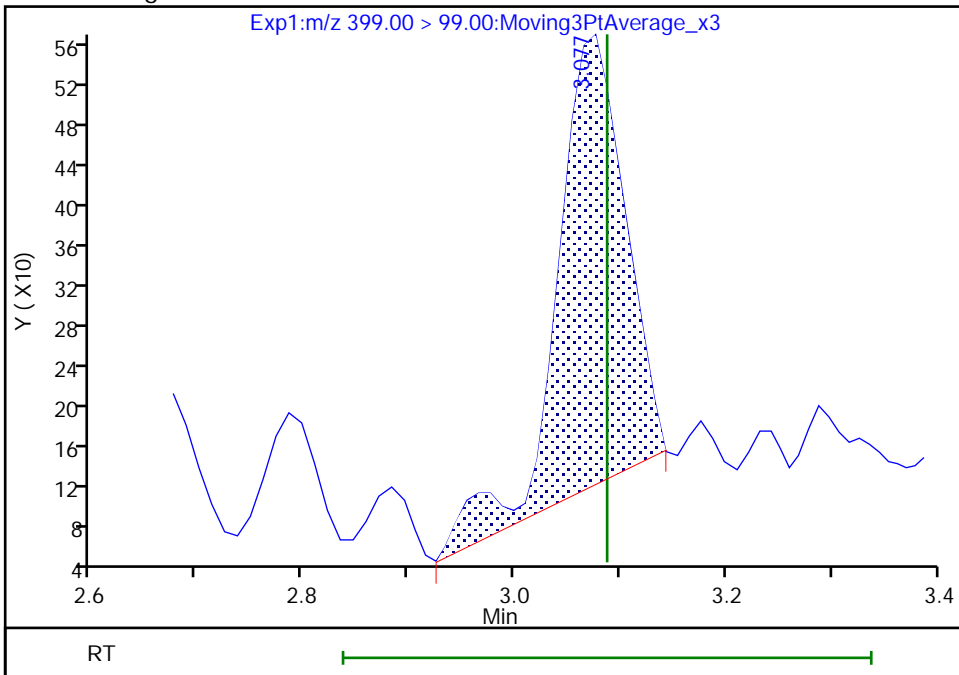
Not Detected
Expected RT: 3.09

Processing Integration Results



Manual Integration Results

RT: 3.08
Area: 1993
Amount: 0.004506
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 11:50:27
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 687 of 939

Eurofins Burlington

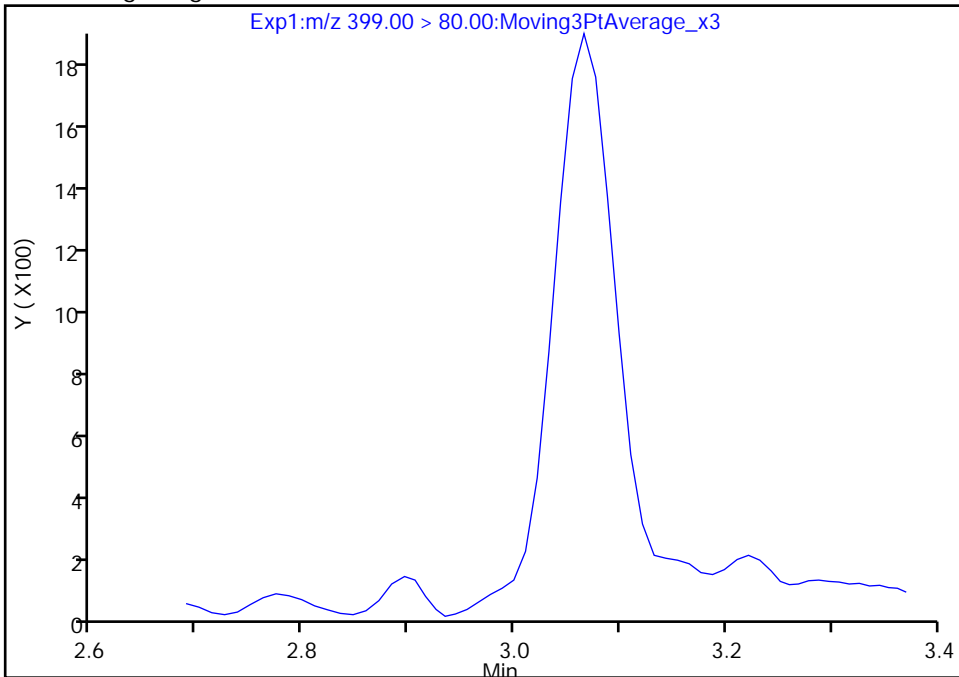
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A10.d
Injection Date: 02-Dec-2022 13:22:20 Instrument ID: LC812
Lims ID: MB 200-186249/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

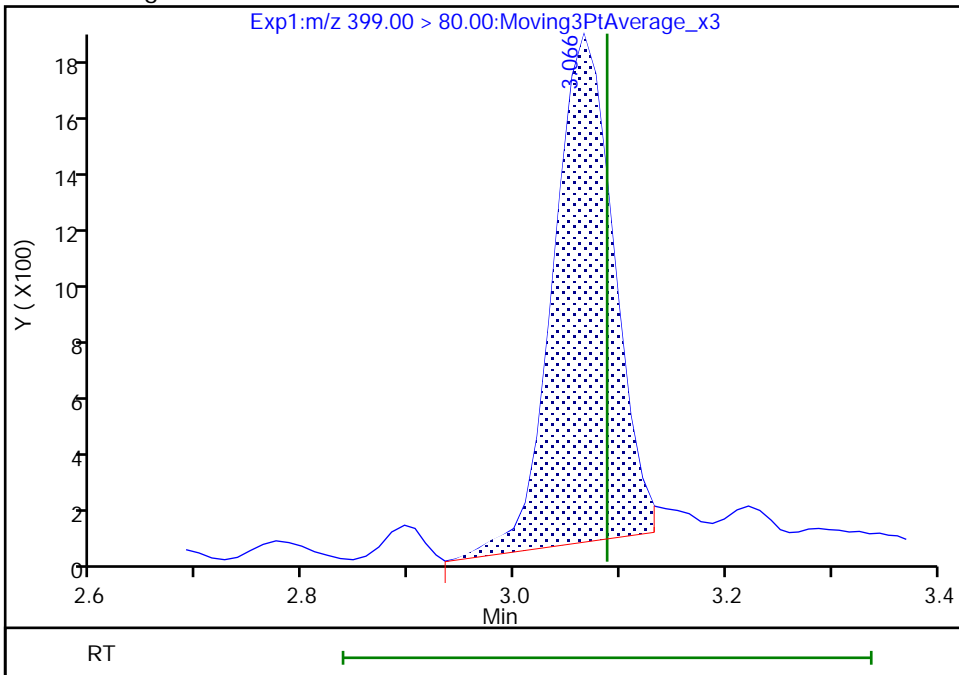
Not Detected
Expected RT: 3.09

Processing Integration Results



Manual Integration Results

RT: 3.07
Area: 6832
Amount: 0.004506
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 11:50:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

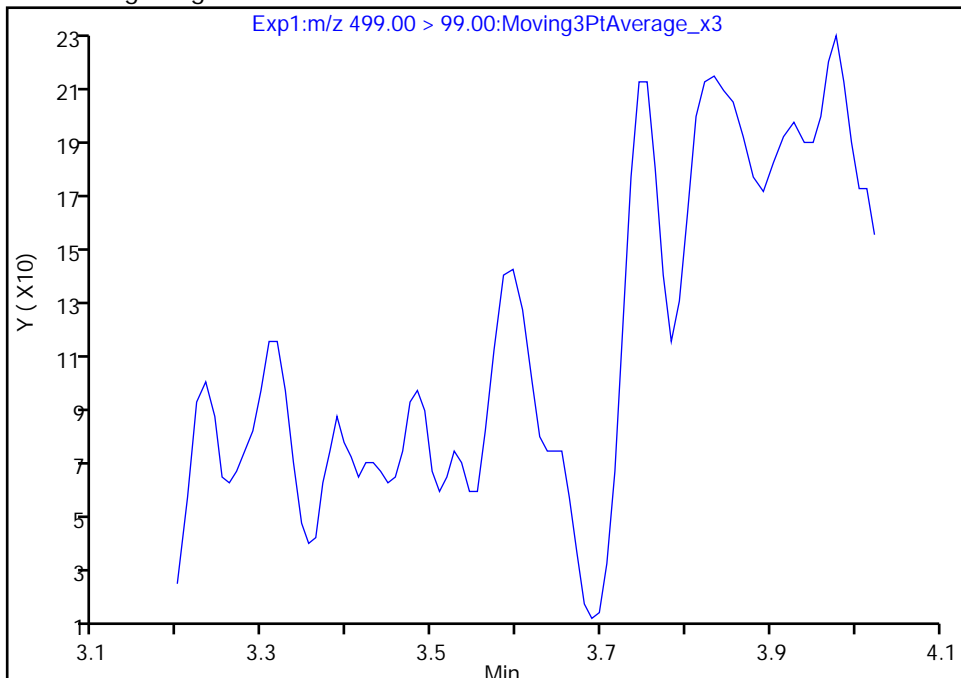
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A10.d
Injection Date: 02-Dec-2022 13:22:20 Instrument ID: LC812
Lims ID: MB 200-186249/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

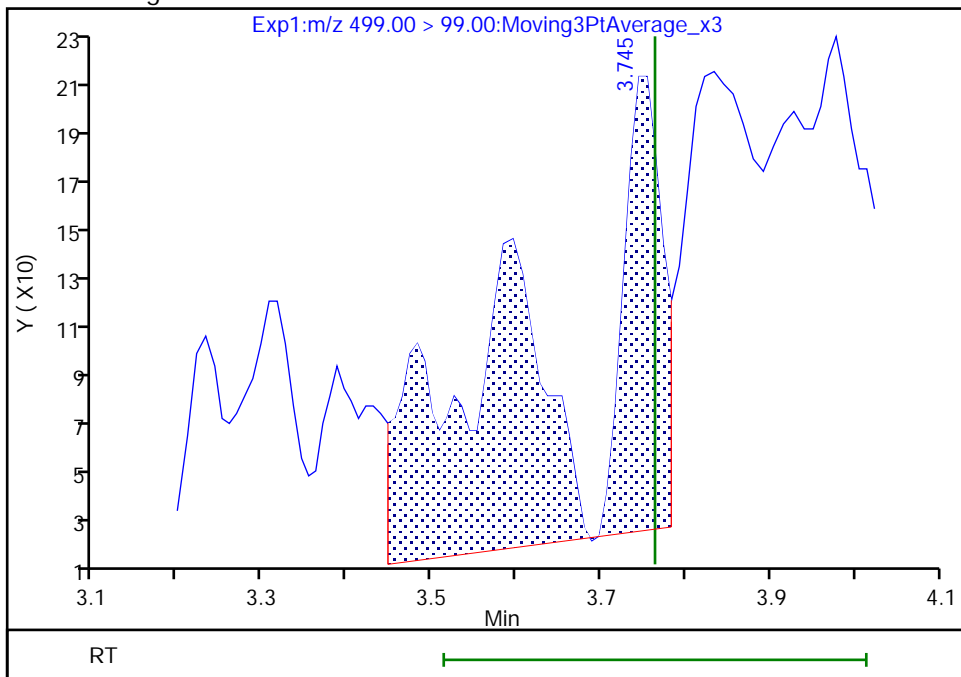
Not Detected
Expected RT: 3.76

Processing Integration Results



RT: 3.74
Area: 1540
Amount: 0.004333
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:51:33
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 689 of 939

Eurofins Burlington

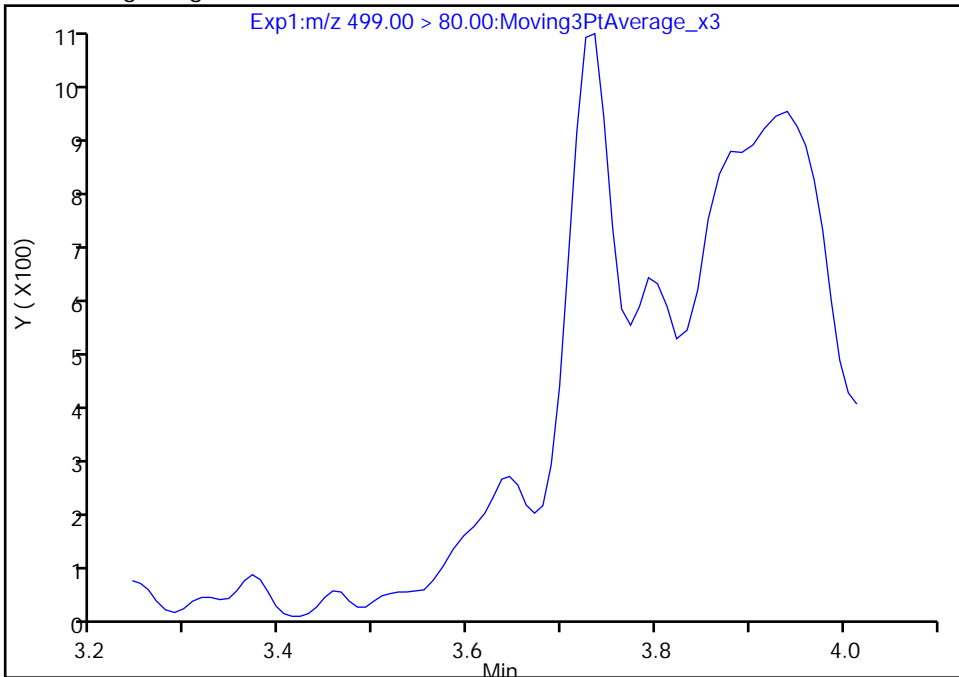
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A10.d
Injection Date: 02-Dec-2022 13:22:20 Instrument ID: LC812
Lims ID: MB 200-186249/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

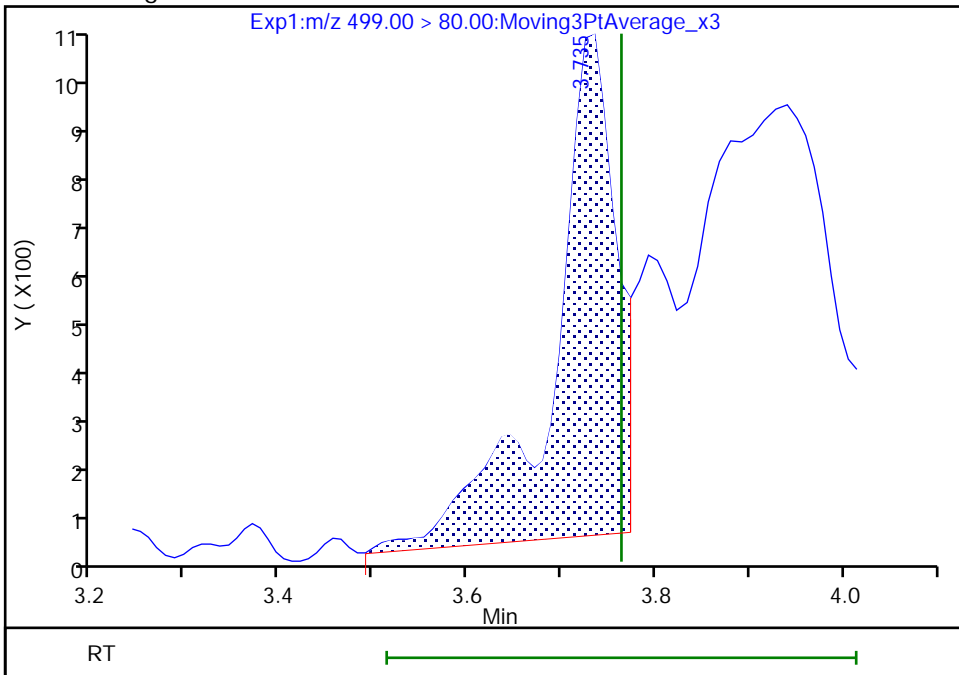
Not Detected
Expected RT: 3.76

Processing Integration Results



Manual Integration Results

RT: 3.74
Area: 4756
Amount: 0.004333
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 11:51:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 690 of 939

Eurofins Burlington

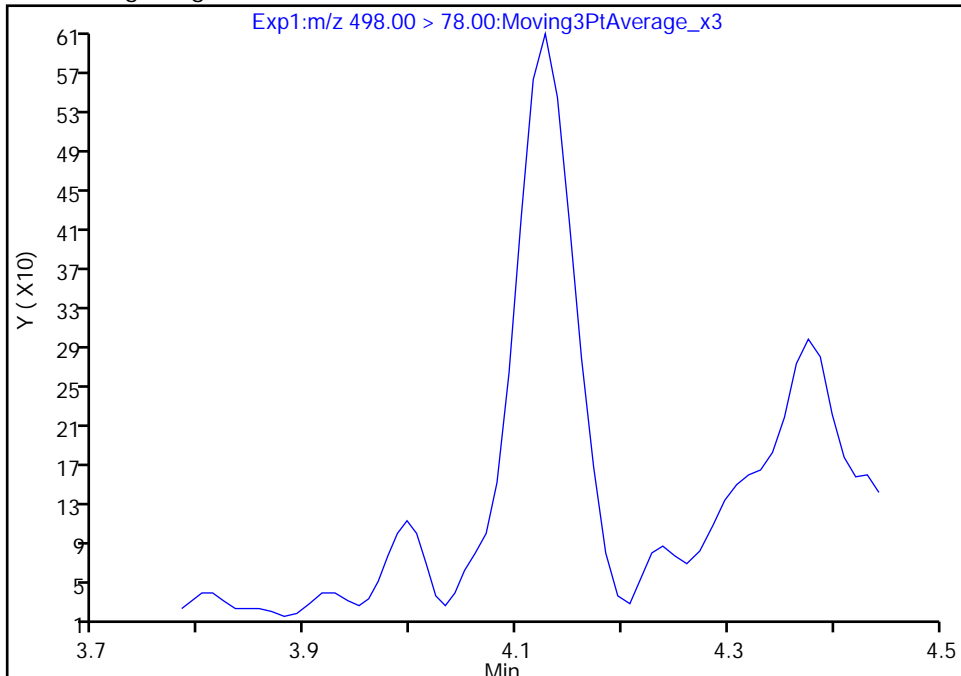
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A10.d
Injection Date: 02-Dec-2022 13:22:20 Instrument ID: LC812
Lims ID: MB 200-186249/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

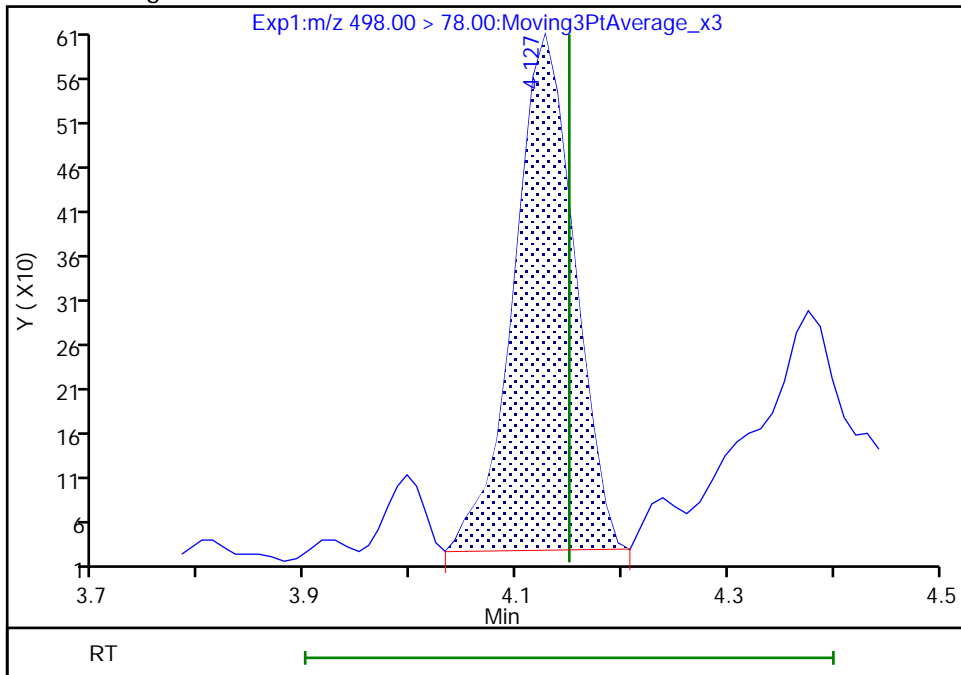
Not Detected
Expected RT: 4.15

Processing Integration Results



Manual Integration Results

RT: 4.13
Area: 2328
Amount: 0.001382
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 11:52:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

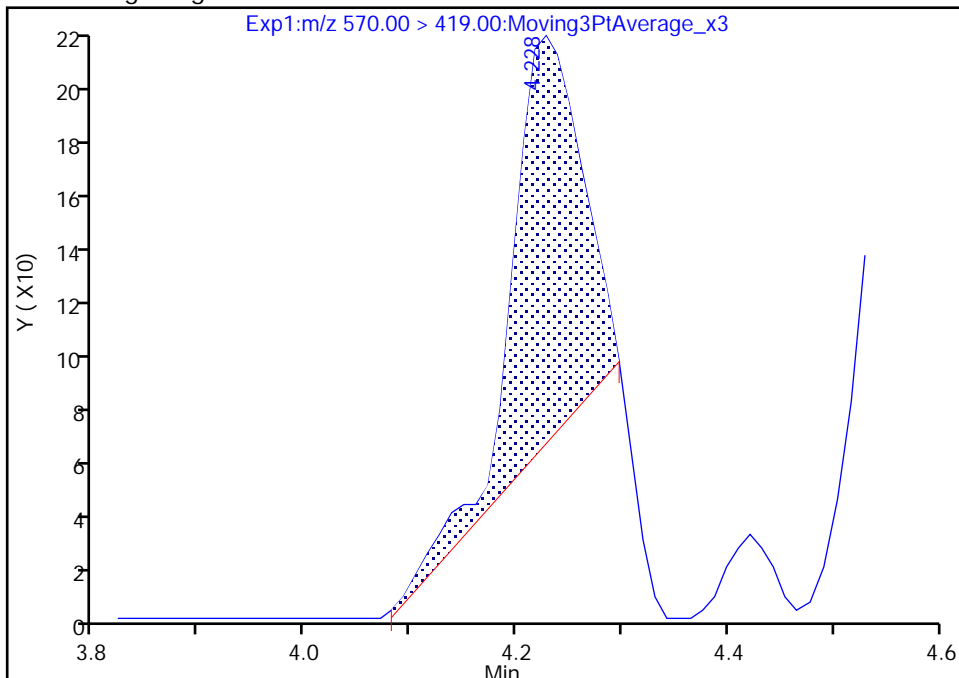
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A10.d
Injection Date: 02-Dec-2022 13:22:20 Instrument ID: LC812
Lims ID: MB 200-186249/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

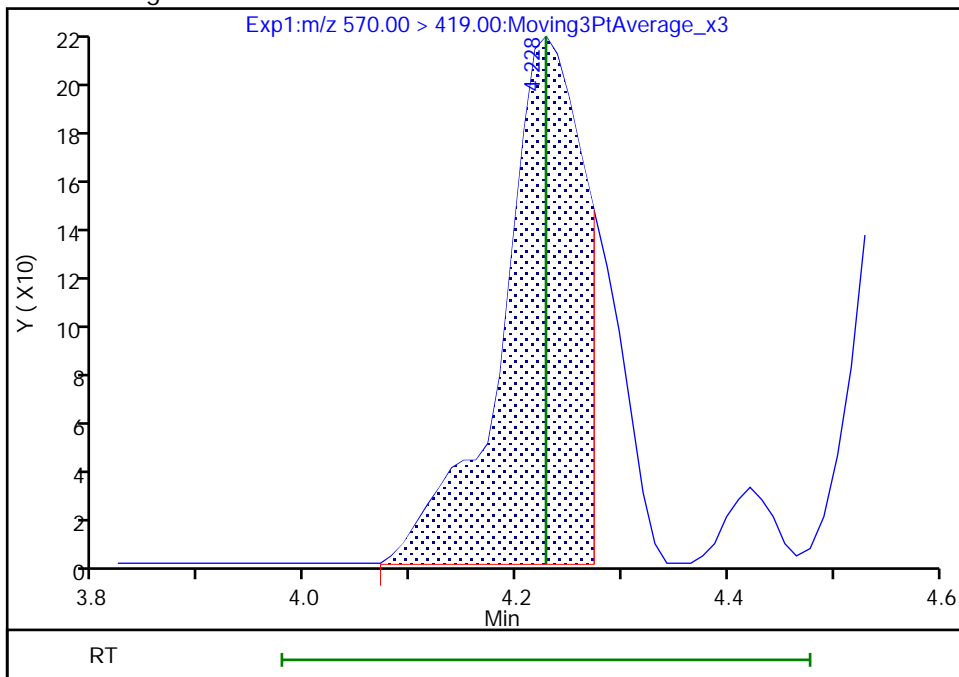
RT: 4.23
Area: 688
Amount: -0.009543
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 1132
Amount: -0.008198
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:52:57
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

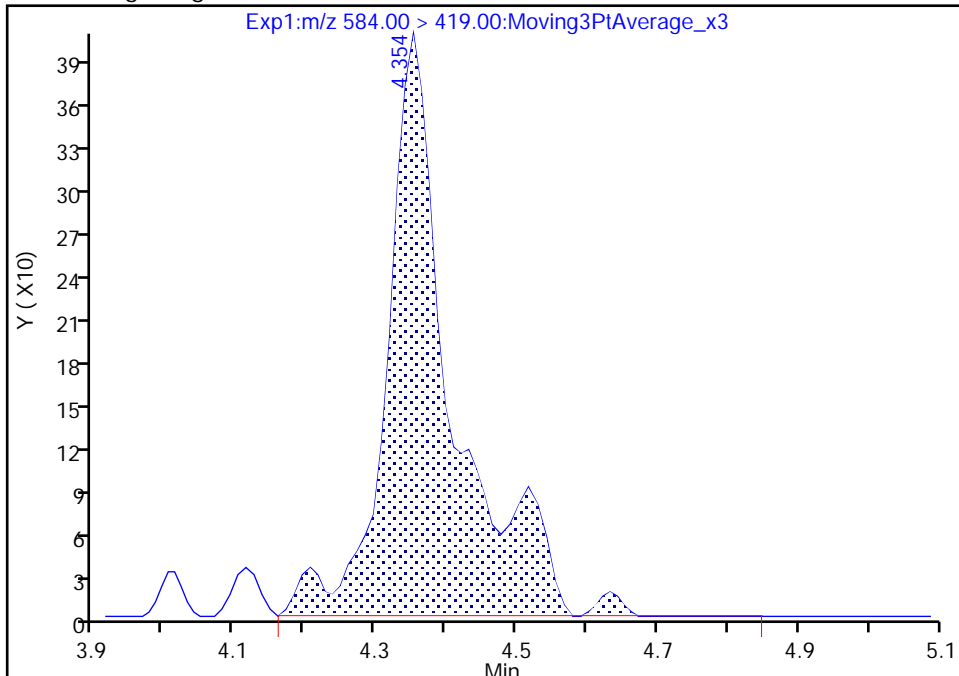
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A10.d
Injection Date: 02-Dec-2022 13:22:20 Instrument ID: LC812
Lims ID: MB 200-186249/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

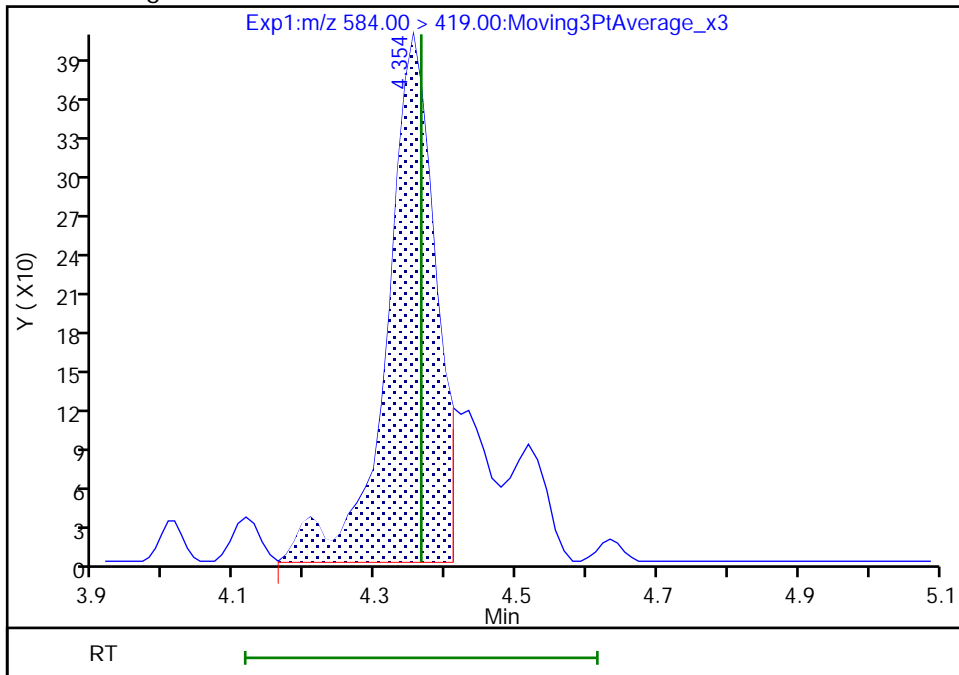
RT: 4.35
Area: 2676
Amount: 0.007759
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 1926
Amount: 0.005584
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:53:36
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

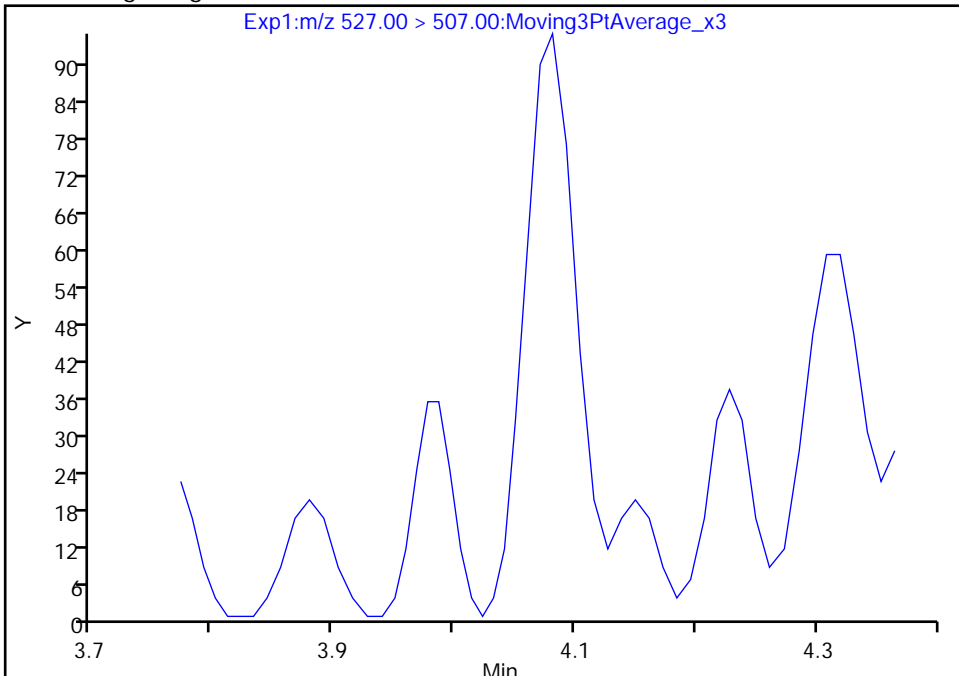
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A10.d
Injection Date: 02-Dec-2022 13:22:20 Instrument ID: LC812
Lims ID: MB 200-186249/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

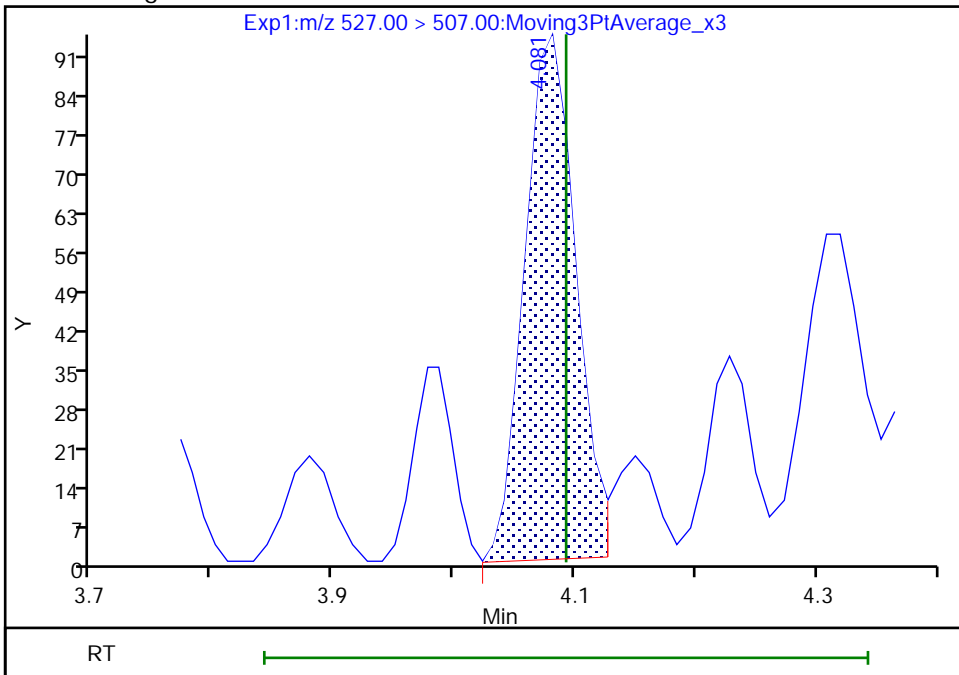
Not Detected
Expected RT: 4.09

Processing Integration Results



Manual Integration Results

RT: 4.08
Area: 276
Amount: 0.000633
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 11:52:45
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 694 of 939

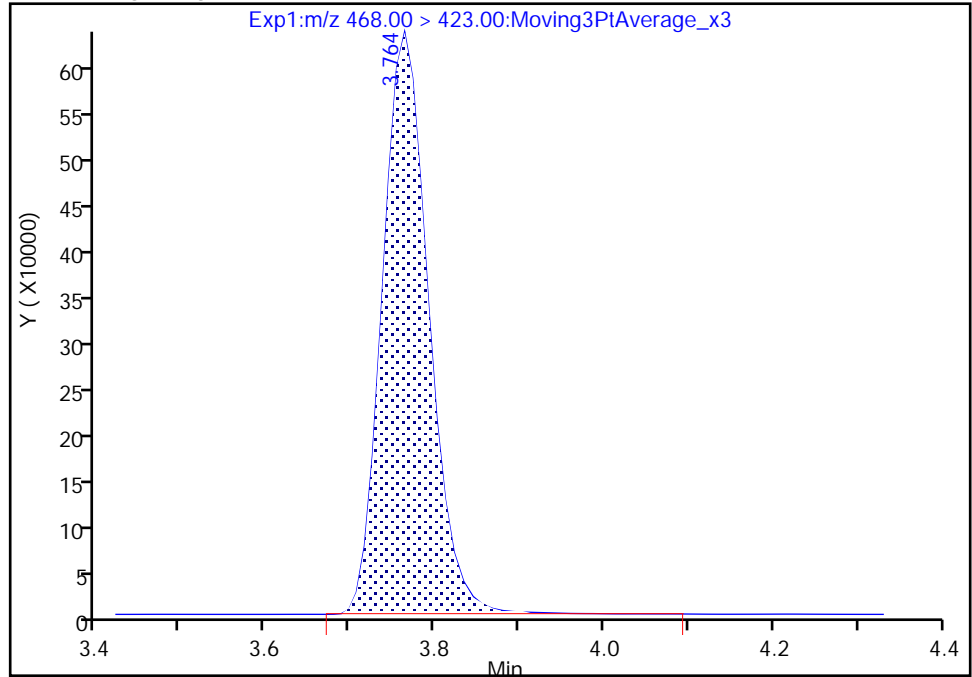
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A10.d
Injection Date: 02-Dec-2022 13:22:20 Instrument ID: LC812
Lims ID: MB 200-186249/1-A
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 19 13C5 PFNA, CAS: STL00995
Signal: 1

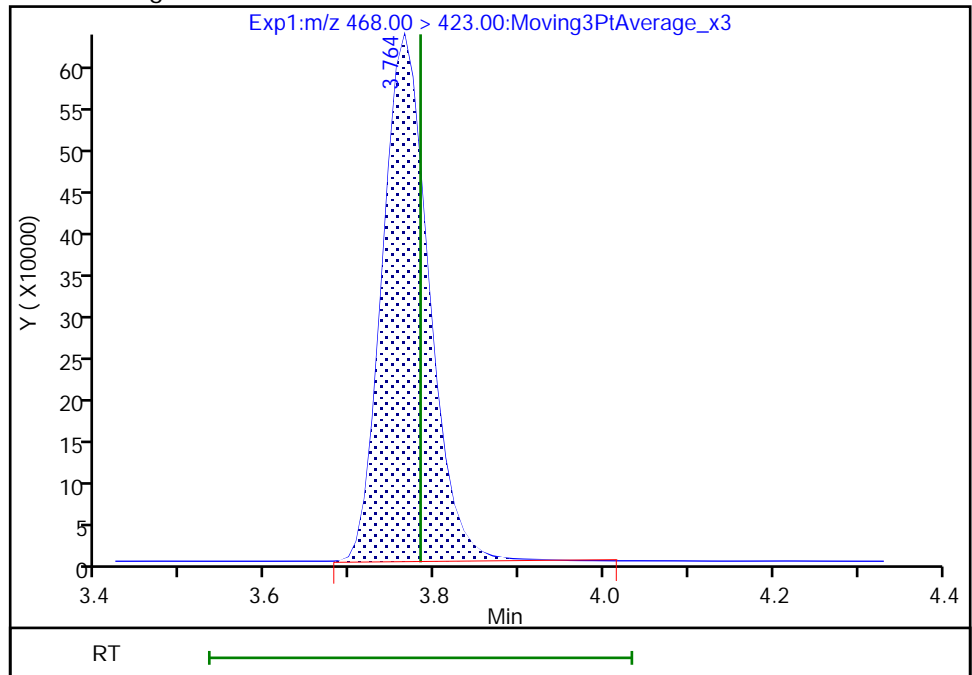
RT: 3.76
Area: 2409061
Amount: 1.201160
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 2405606
Amount: 1.199437
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:45:42
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 695 of 939

Eurofins Burlington

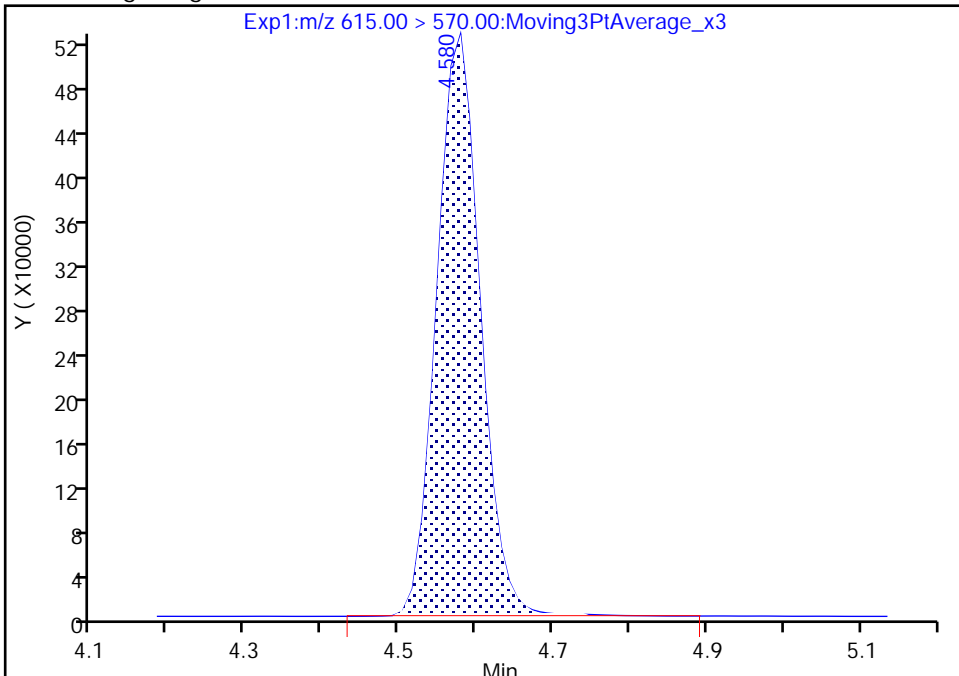
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A10.d
Injection Date: 02-Dec-2022 13:22:20 Instrument ID: LC812
Lims ID: MB 200-186249/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 36 13C2 PFD_oA, CAS: STL00998

Signal: 1

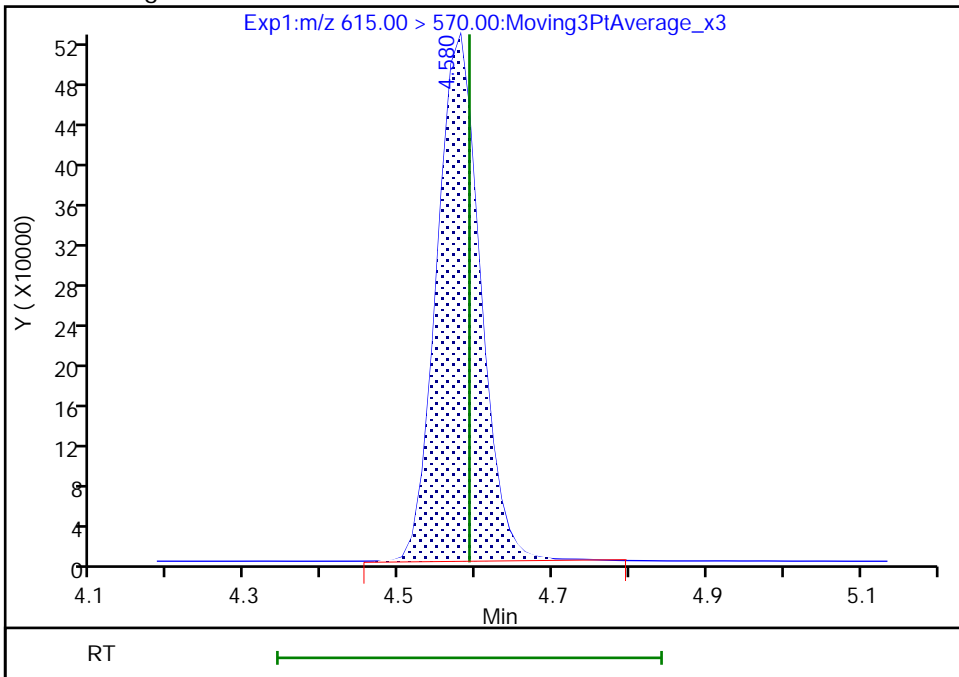
RT: 4.58
Area: 2071228
Amount: 1.086284
Amount Units: ng/ml

Processing Integration Results



RT: 4.58
Area: 2065096
Amount: 1.083068
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:48:32
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

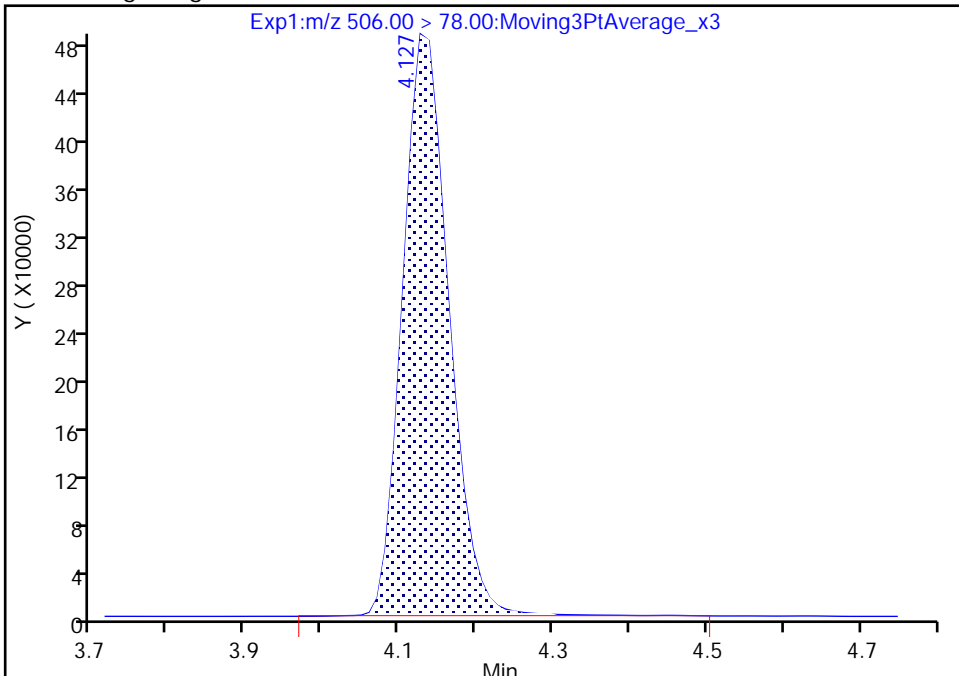
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A10.d
Injection Date: 02-Dec-2022 13:22:20 Instrument ID: LC812
Lims ID: MB 200-186249/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

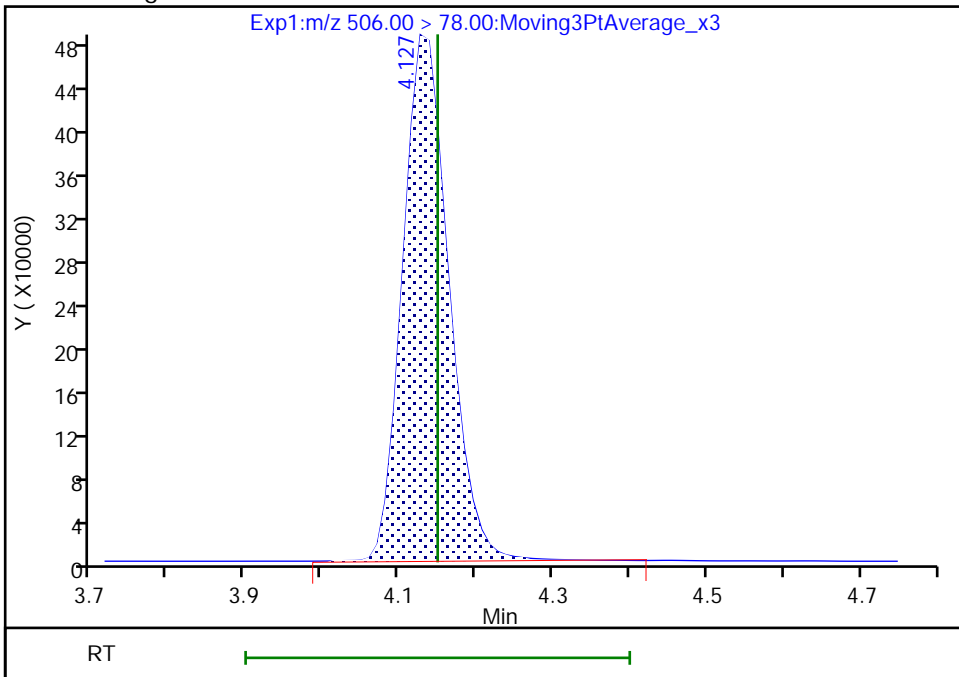
RT: 4.13
Area: 2021375
Amount: 1.206388
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 2014942
Amount: 1.202549
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:45:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

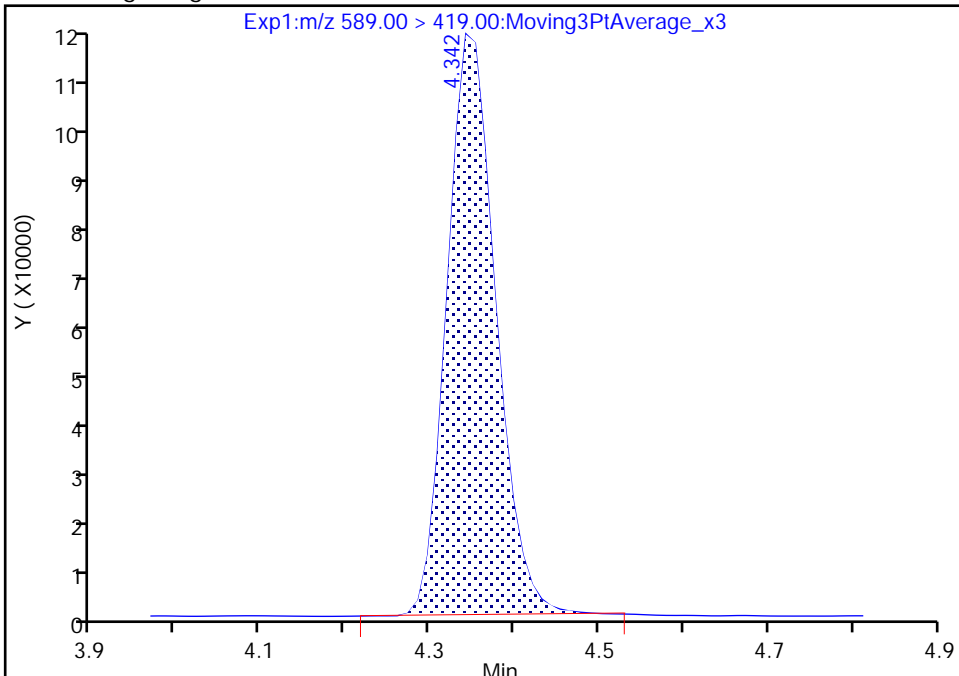
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A10.d
Injection Date: 02-Dec-2022 13:22:20 Instrument ID: LC812
Lims ID: MB 200-186249/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 32 d5-NEtFOSAA, CAS: STL02117

Signal: 1

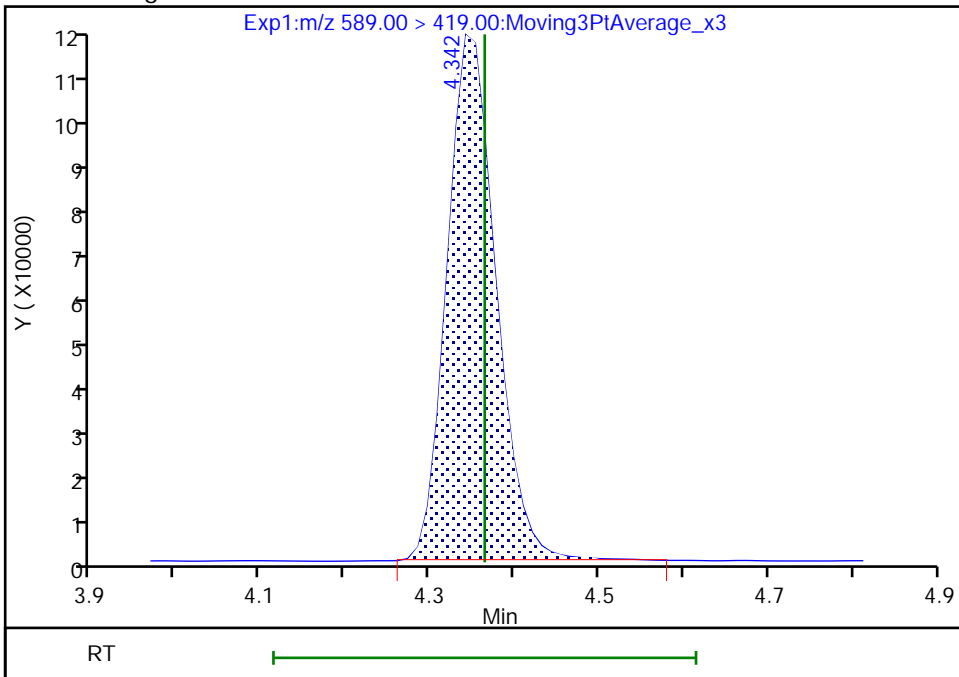
RT: 4.34
Area: 478858
Amount: 1.168672
Amount Units: ng/ml

Processing Integration Results



RT: 4.34
Area: 481579
Amount: 1.175313
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:48:01
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

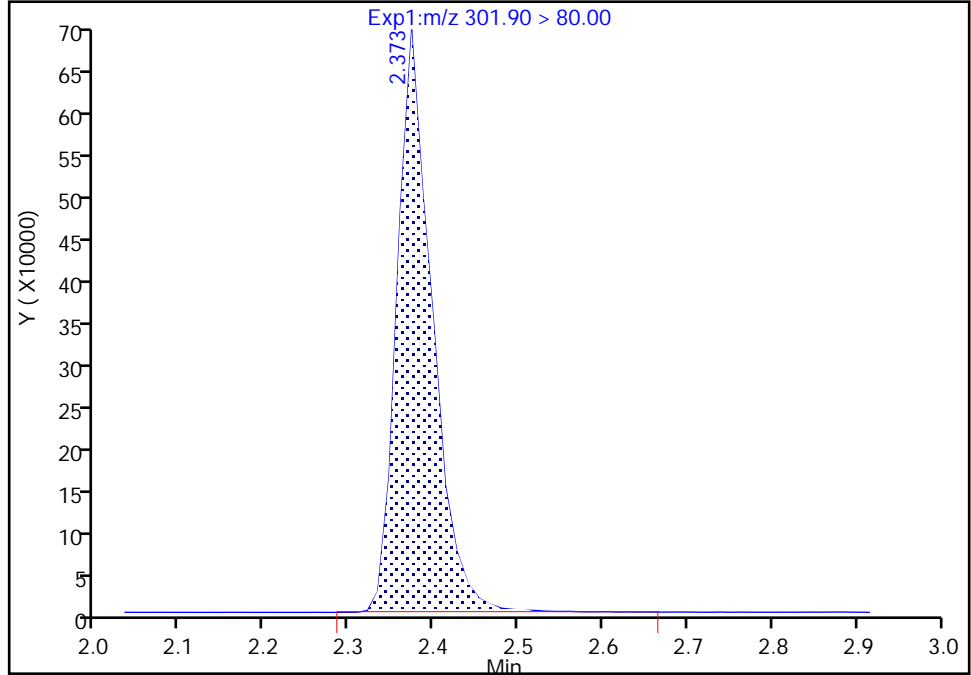
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A10.d
Injection Date: 02-Dec-2022 13:22:20 Instrument ID: LC812
Lims ID: MB 200-186249/1-A
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 47 13C3 PFBS, CAS: STL02337
Signal: 1

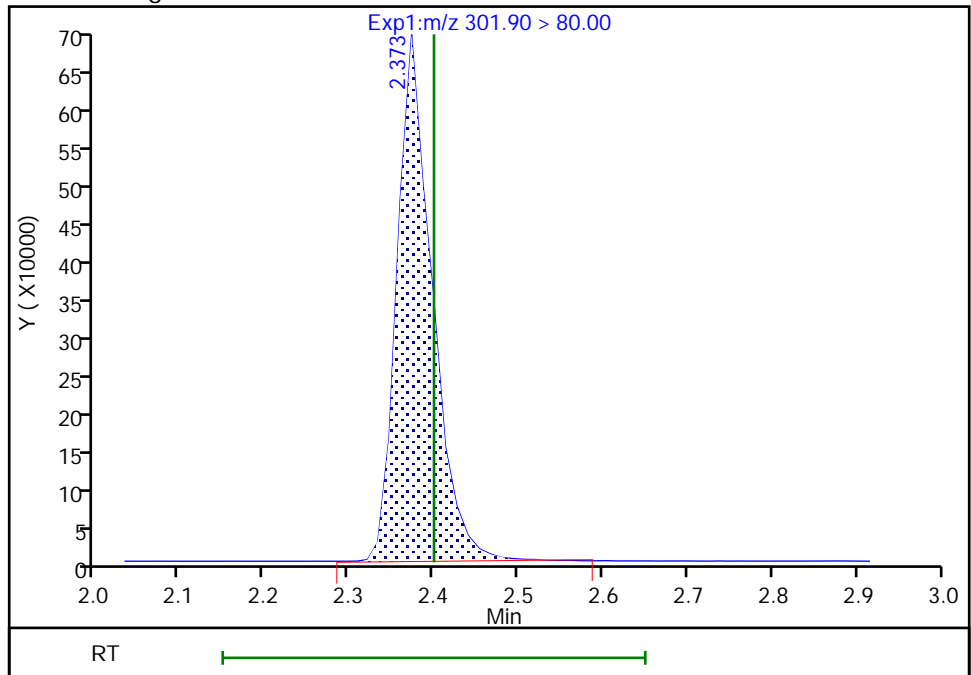
Processing Integration Results

RT: 2.37
Area: 2015948
Amount: 1.089269
Amount Units: ng/ml



Manual Integration Results

RT: 2.37
Area: 2011840
Amount: 1.087050
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 11:43:34
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-270065-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: CCB 200-186301/4
 Matrix: Solid Lab File ID: PA221202A04.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 12/02/2022 12:33
 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.: 186301 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.: 460-270065-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: CCB 200-186301/4
 Matrix: Solid Lab File ID: PA221202A04.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 12/02/2022 12:33
 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.: 186301 Units: ng/mL

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	115		50-150
STL01892	13C4 PFHpA	102		50-150
STL00990	13C4 PFOA	104		50-150
STL00991	13C4 PFOS	114		50-150
STL00995	13C5 PFNA	107		50-150
STL00992	13C4 PFBA	98		50-150
STL00993	13C2 PFHxA	99		50-150
STL00996	13C2 PFDA	111		50-150
STL00997	13C2 PFUnA	110		50-150
STL00998	13C2 PFDoA	104		50-150
STL01056	13C8 FOSA	119		50-150
STL01893	13C5 PFPeA	99		50-150
STL02116	13C2 PFTeDA	107		50-150
STL02118	d3-NMeFOSAA	103		50-150
STL02117	d5-NEtFOSAA	111		50-150
STL02279	M2-6:2 FTS	114		50-150
STL02280	M2-8:2 FTS	120		50-150
STL02337	13C3 PFBS	112		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A04.d
 Lims ID: CCB
 Client ID:
 Sample Type: CCB
 Inject. Date: 02-Dec-2022 12:33:14 ALS Bottle#: 1 Worklist Smp#: 4
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: CCB
 Misc. Info.: 200-0053527-004 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 05-Dec-2022 11:40:09 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: CTX1627

First Level Reviewer: nampitakw Date: 05-Dec-2022 10:23:30

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	2.111	2.076	0.035	0.625	2743443	1.23	98.3	10899	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.145	2.076	0.069	1.016	11037	0.004877		1.6		M
D 3 13C5 PFPeA	267.90 > 223.00	2.400	2.387	0.013	0.710	2112656	1.24	99.4	3630	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.387	2.387	-0.001	0.994	5372	0.002916		0.2		M
D 47 13C3 PFBS	301.90 > 80.00	2.413	2.400	0.013	0.714	2394883	1.30	112	397631	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.413	2.400	0.013	1.000	2825	0.001199	Target=2.09	3.4		M
298.90 > 99.00	2.413	2.400	0.013	1.000	1339		2.11(1.04-3.13)	1.0		M
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.677	2.689	-0.012	1.000	448	0.000794		7.0		M
D 60 M2-4:2 FTS	329.00 > 81.00	2.677	2.689	-0.012	0.792	213704	1.31	112	219	M
D 7 13C2 PFHxA	315.00 > 270.00	2.713	2.725	-0.012	0.803	2212022	1.24	99.4	4604	M
6 Perfluorohexanoic acid										RM
313.00 > 269.00	2.713	2.725	-0.012	1.000	2171	0.001126	Target=14.25	0.6		RM
313.00 > 119.00	2.701	2.725	-0.024	0.996	587		3.70(7.12-21.37)	1.0		M
D 64 13C3 HFPO-DA	287.00 > 169.00	2.810	2.835	-0.025	0.832	376939	1.20	95.9	1931	
D 11 18O2 PFHxS	403.00 > 84.00	3.032	3.088	-0.056	0.898	1825035	1.36	115	3649	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.032	3.088	-0.056	1.000	7318	0.004201	Target=3.66	26.8		M
399.00 > 99.00	3.043	3.088	-0.045	1.004	2153		3.40(1.83-5.49)	3.4		M
D 9 13C4 PFHpA										
367.00 > 322.00	3.043	3.099	-0.056	0.901	2341490	1.28		102	3207	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.043	3.099	-0.056	1.000	2127	0.001043	Target=3.97	0.6		M
363.00 > 169.00	3.043	3.099	-0.056	1.000	685		3.11(1.98-5.95)	2.2		M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.361	3.439	-0.078	0.995	304862	1.35		114	651	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.361	3.439	-0.078	1.000	1313	-0.009452		0.5		
D 14 13C4 PFOA										
417.00 > 372.00	3.369	3.448	-0.079	0.998	2686516	1.30		104	5082	
* 62 13C2 PFOA										M
415.00 > 370.00	3.378	3.448	-0.070		2486924	1.25		3091		M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.403	3.448	-0.045	1.010	2354	0.001025	Target=2.79	0.1		M
413.00 > 169.00	3.353	3.448	-0.095	0.995	875		2.69(1.40-4.19)	1.1		M
D 18 13C4 PFOS										
503.00 > 80.00	3.679	3.764	-0.085	1.089	1247702	1.37		114	2841	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.688	3.764	-0.076	1.002	4861	0.003828	Target=5.11	3.0		M
499.00 > 99.00	3.661	3.764	-0.103	0.995	822		5.91(2.55-7.66)	1.6		M
D 19 13C5 PFNA										M
468.00 > 423.00	3.697	3.783	-0.086	1.094	2665960	1.33		107	4648	M
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.867	3.928	-0.061	1.051	967	0.000332		7.1		M
D 23 13C2 PFDA										
515.00 > 470.00	3.996	4.081	-0.085	1.183	2840623	1.39		111	6240	
24 Perfluorodecanoic acid										M
513.00 > 469.00	3.996	4.081	-0.085	1.000	2042	0.000829	Target=10.26	1.1		M
513.00 > 169.00	4.005	4.081	-0.076	1.002	243		8.40(5.13-15.38)	1.1		M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.005	4.093	-0.088	1.186	397303	1.44		120	1103	
D 21 13C8 FOSA										
506.00 > 78.00	4.071	4.150	-0.079	1.205	2487261	1.49		119	3453	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.150	4.228	-0.078	1.229	535886	1.29		103	1797	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.161	4.228	-0.067	1.003	400	-0.0105		1.5		M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.273	4.353	-0.080	1.265	2555957	1.37		110	5646	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.286	4.365	-0.079	1.000	595	0.001467		3.2		M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.286	4.365	-0.079	1.269	566125	1.38		111	1167	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
66 11-Chloroeicosafuoro-3-oxaundec										M
631.00 > 451.00	4.376	4.454	-0.078	1.189	869	0.000193			4.8	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.517	4.591	-0.074	1.000	2193	0.001043	Target=7.77		1.0	M
613.00 > 169.00	4.504	4.591	-0.087	0.997	252		8.70(3.89-11.66)		3.7	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.517	4.591	-0.074	1.337	2481893	1.30		104	2900	
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.580	4.612	-0.032	1.144	37	0.000115			0.8	M
41 Perfluorotridecanoic acid										RM
663.00 > 619.00	4.731	4.804	-0.073	1.047	2302	0.001144	Target=5.21		0.3	RM
663.00 > 169.00	4.740	4.804	-0.064	1.049	265		8.69(2.60-7.81)		3.2	M
42 Perfluorotetradecanoic acid										RM
713.00 > 169.00	4.942	5.012	-0.070	1.002	454	0.001884	Target=0.89		4.8	RM
713.00 > 219.00	4.932	5.012	-0.080	1.000	313		1.45(0.44-1.33)		5.6	M
D 43 13C2 PFTeDA										
715.00 > 670.00	4.932	5.012	-0.080	1.460	2199835	1.34		107	4992	
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.289	5.367	-0.078	1.000	27099	-0.003302	Target=5.65		2.5	
813.00 > 169.00	5.289	5.367	-0.078	1.000	4260		6.36(2.82-8.47)		31.8	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.289	5.367	-0.078	1.566	2673834	1.31		105	5152	
46 Perfluorooctadecanoic acid										RM
913.00 > 869.00	5.641	5.722	-0.081	1.066	2077	0.001179	Target=6.24		0.3	RM
913.00 > 169.00	5.650	5.722	-0.072	1.068	215		9.66(3.12-9.36)		3.1	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\20221202-53527.b\PA221202A04.d

Injection Date: 02-Dec-2022 12:33:14

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

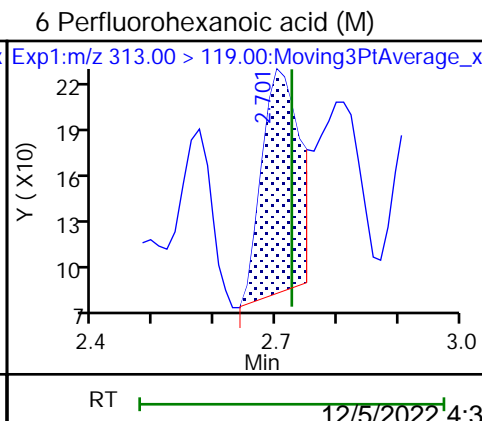
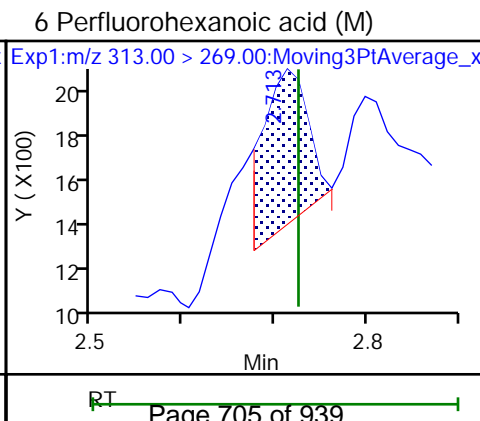
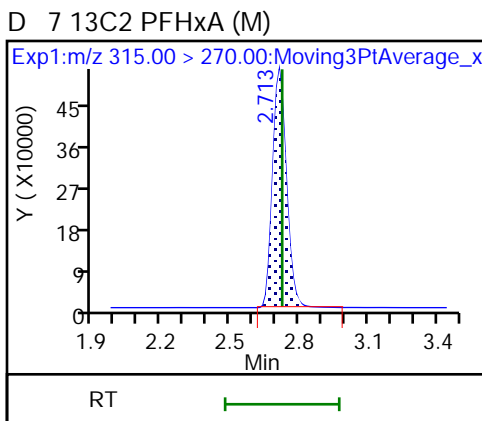
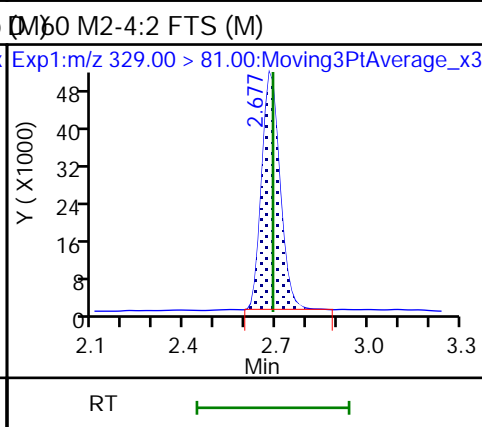
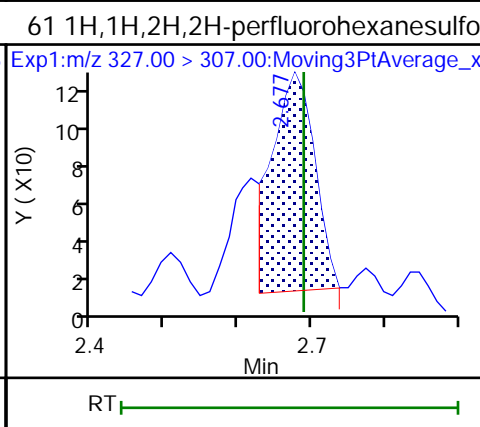
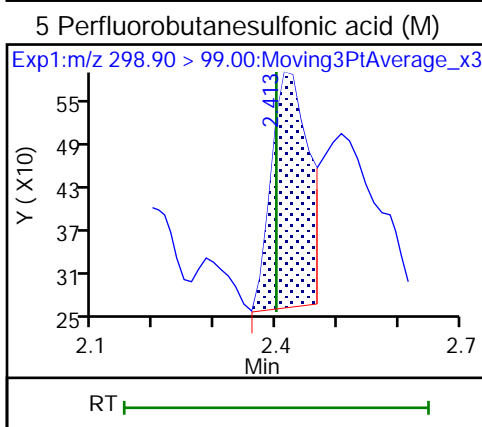
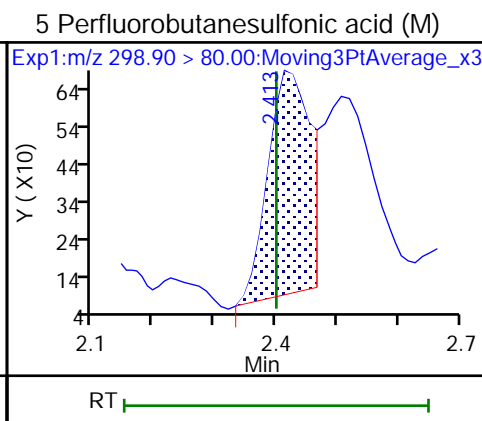
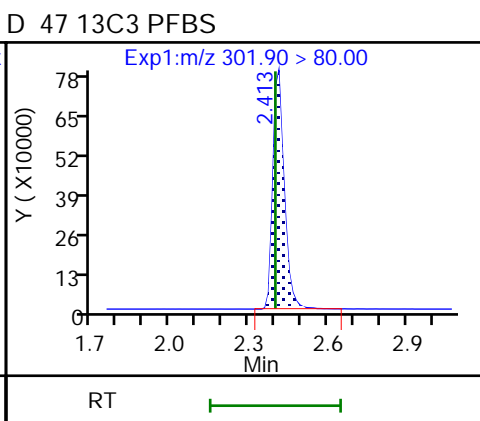
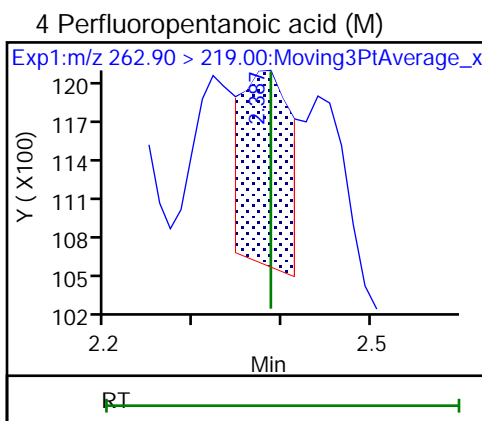
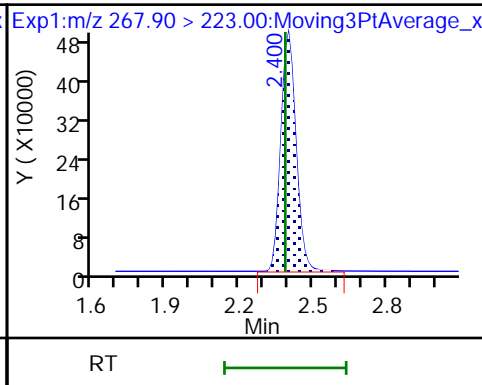
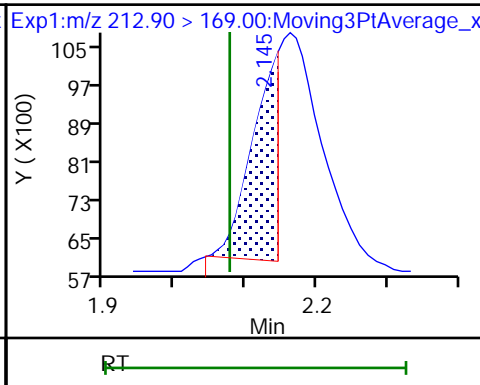
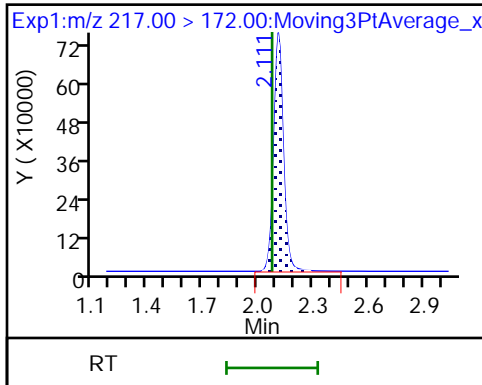
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

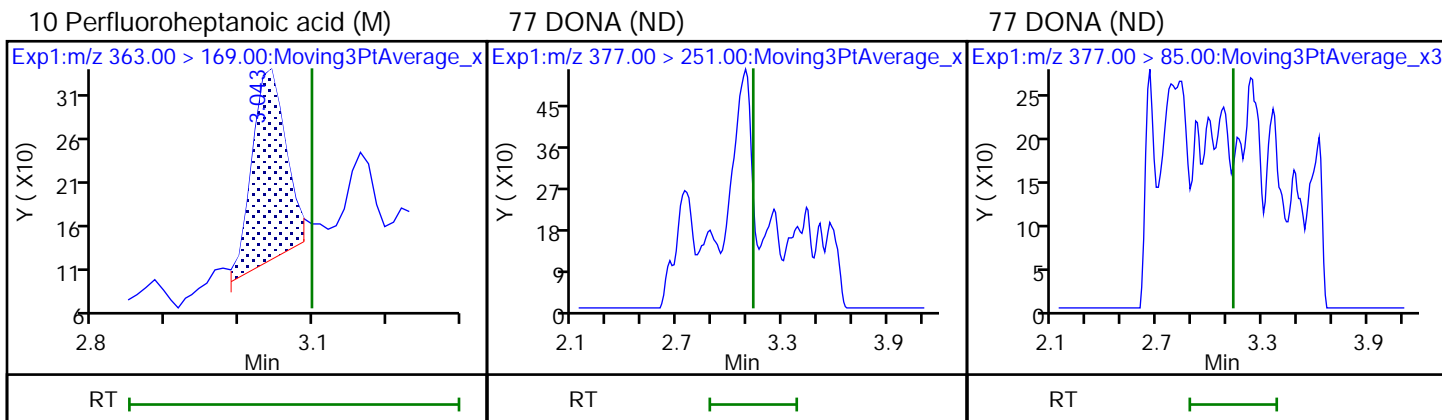
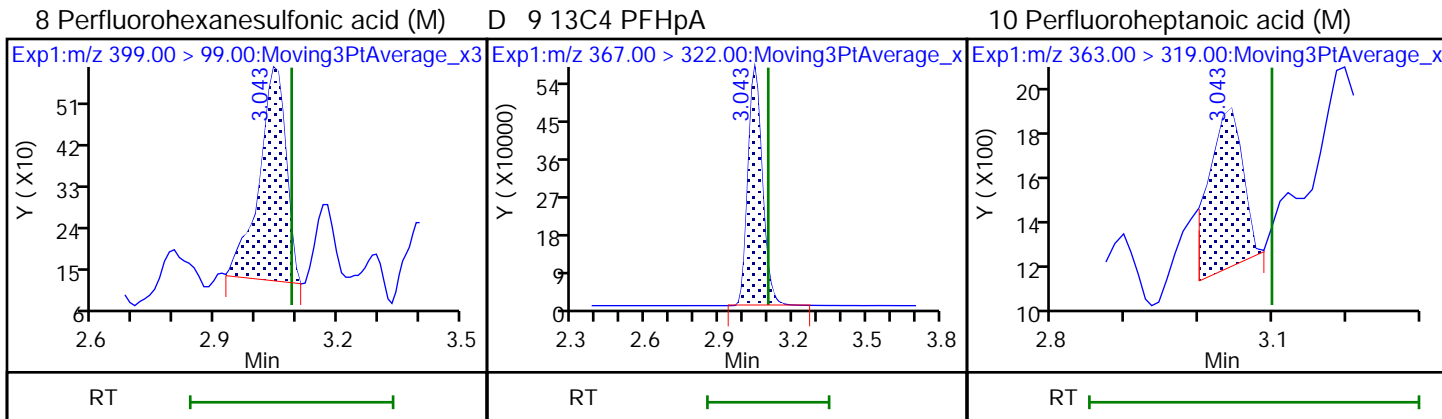
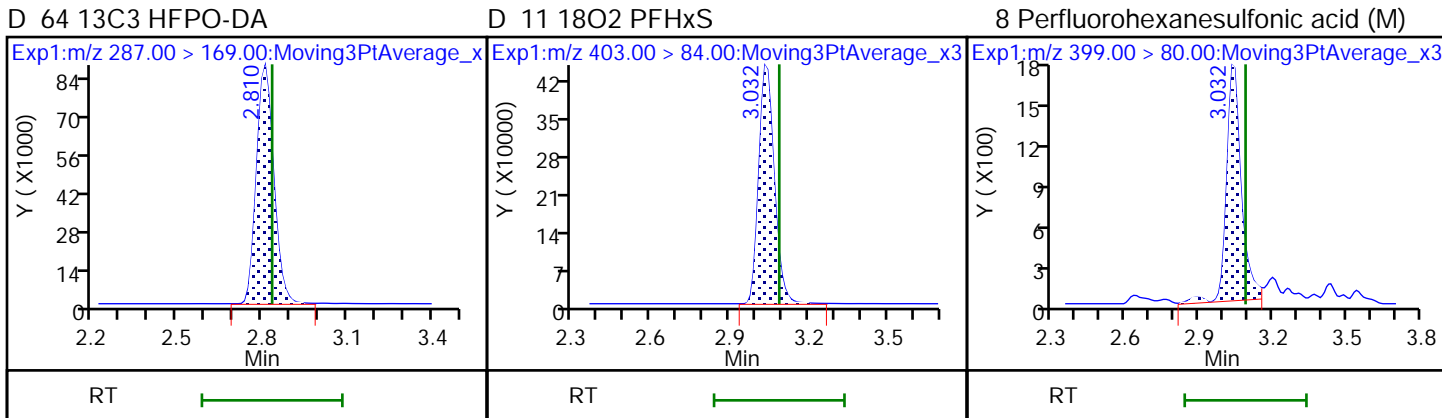
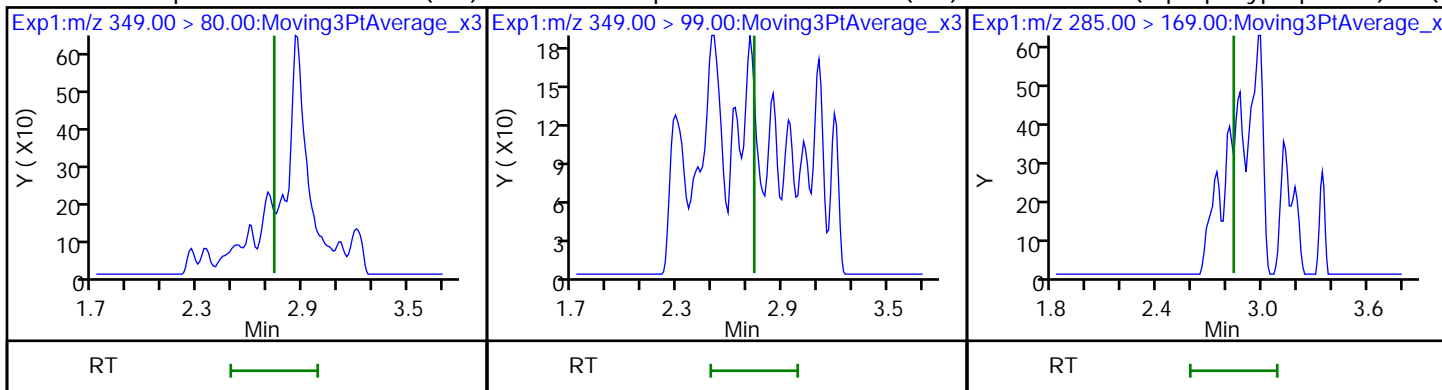
D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

D 3 13C5 PFPeA



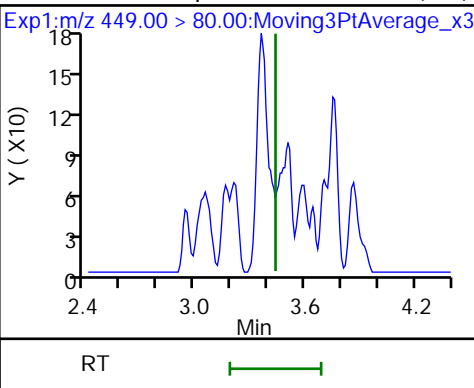
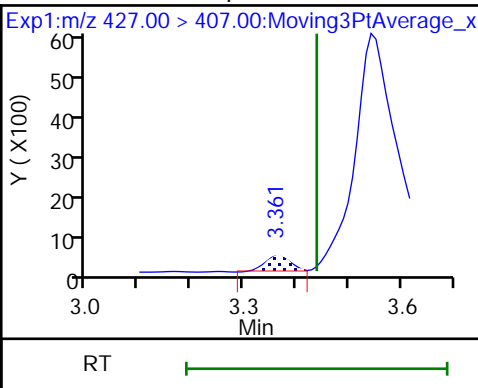
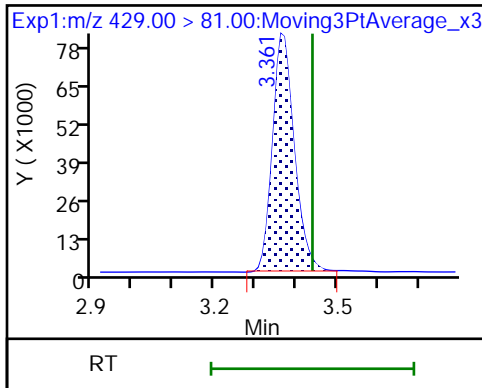
70 Perfluoropentanesulfonic acid (ND) 70 Perfluoropentanesulfonic acid (ND) 67 Perfluoro(2-propoxypropanoic) ac (ND)



D 12 M2-6:2 FTS

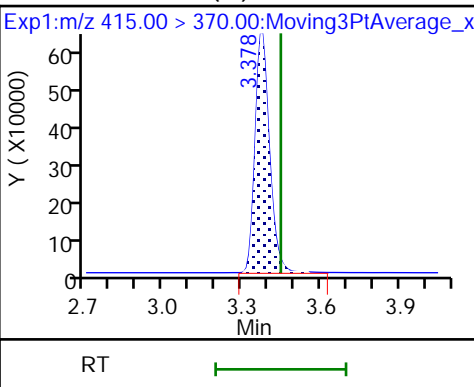
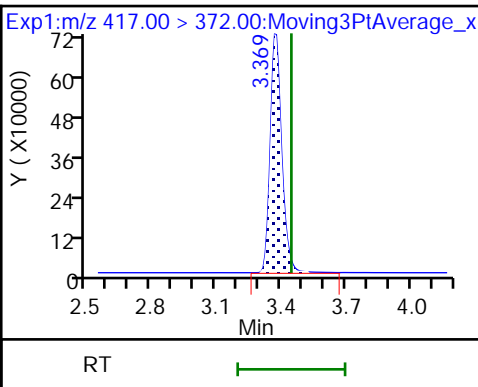
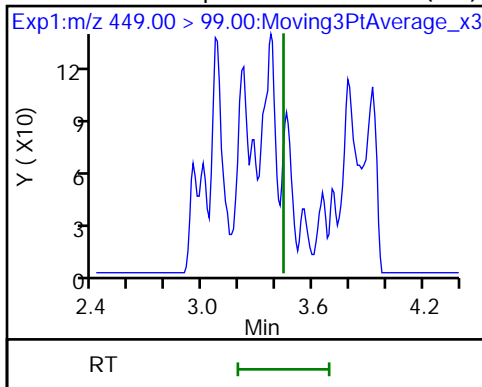
13 1H,1H,2H,2H-perfluorooctanesulfo

16 Perfluoroheptanesulfonic acid (ND)



16 Perfluoroheptanesulfonic acid (ND) D 14 13C4 PFOA

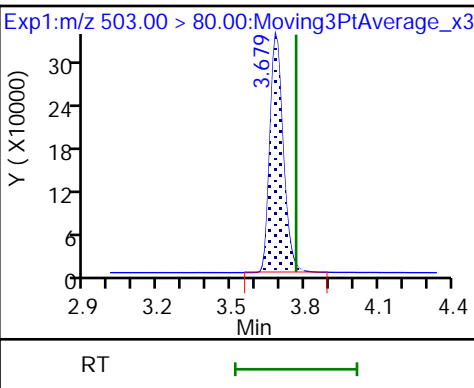
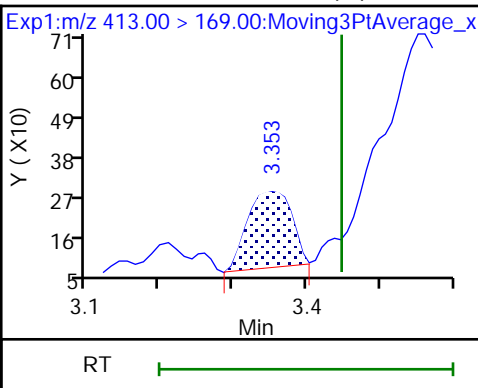
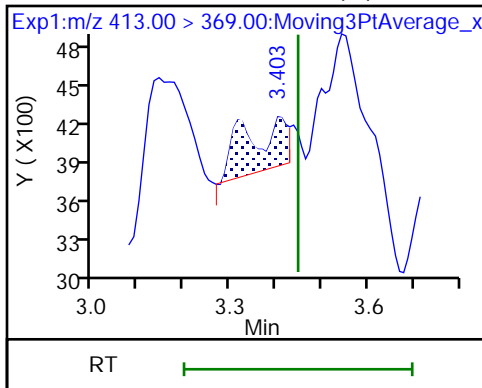
* 62 13C2 PFOA (M)



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

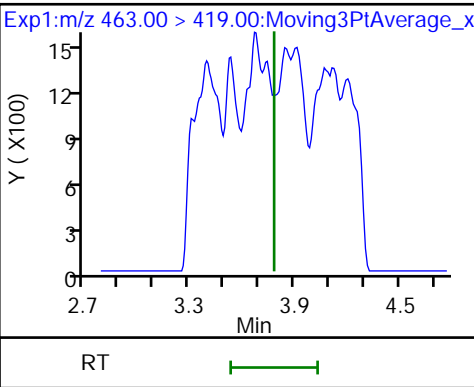
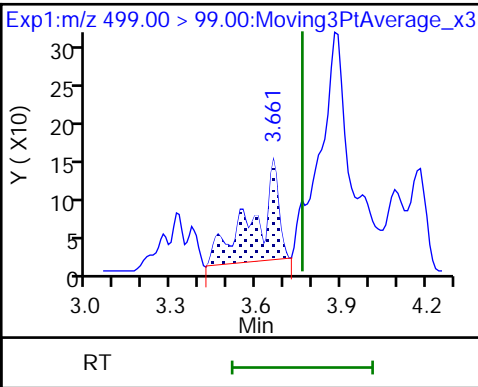
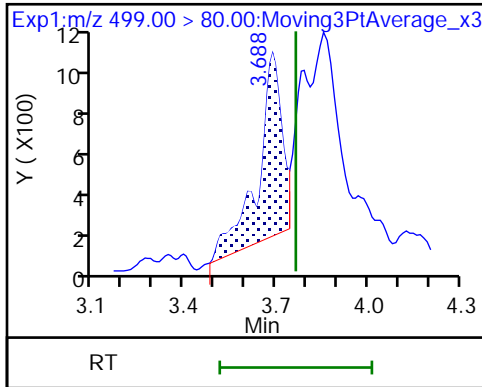
D 18 13C4 PFOS

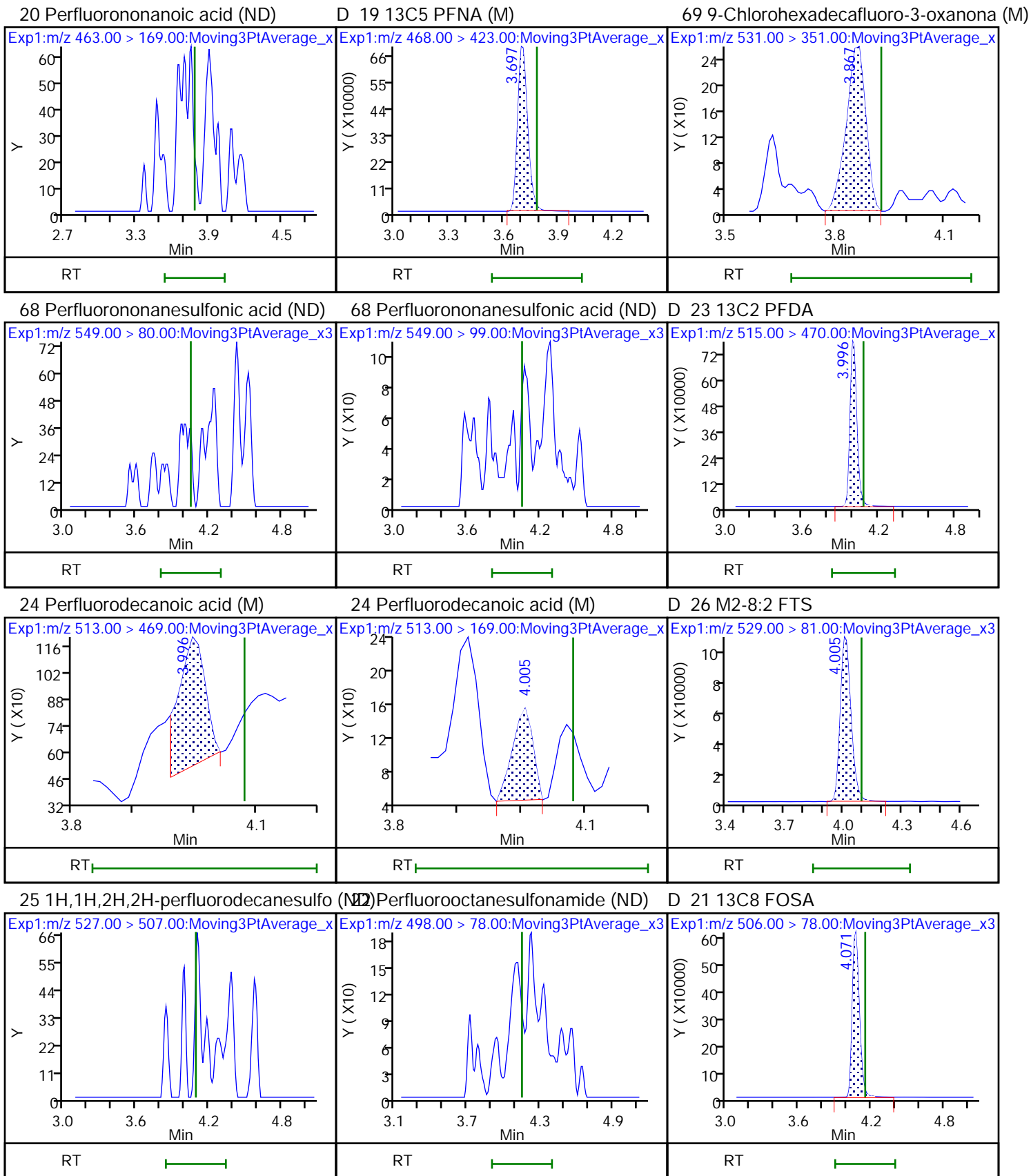


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

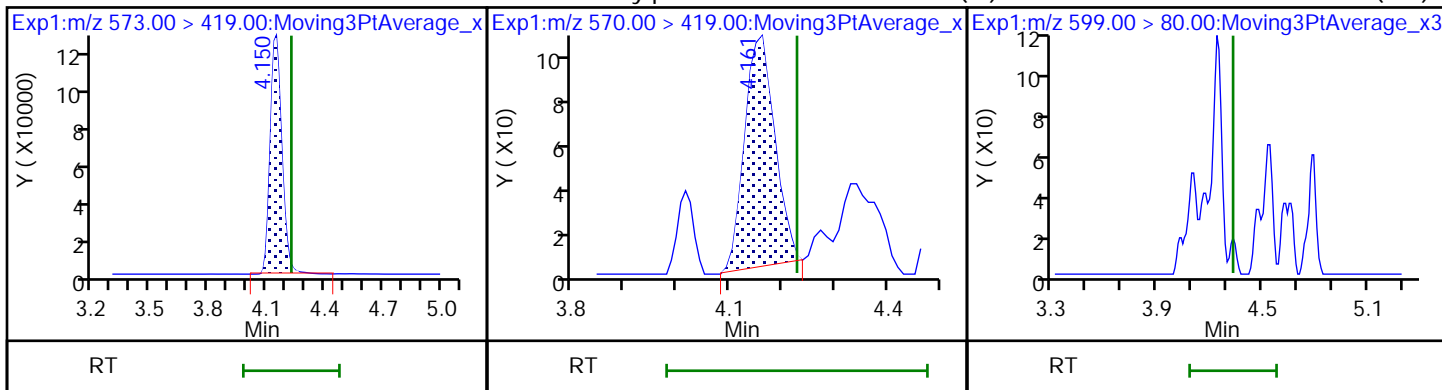
20 Perfluorononanoic acid (ND)





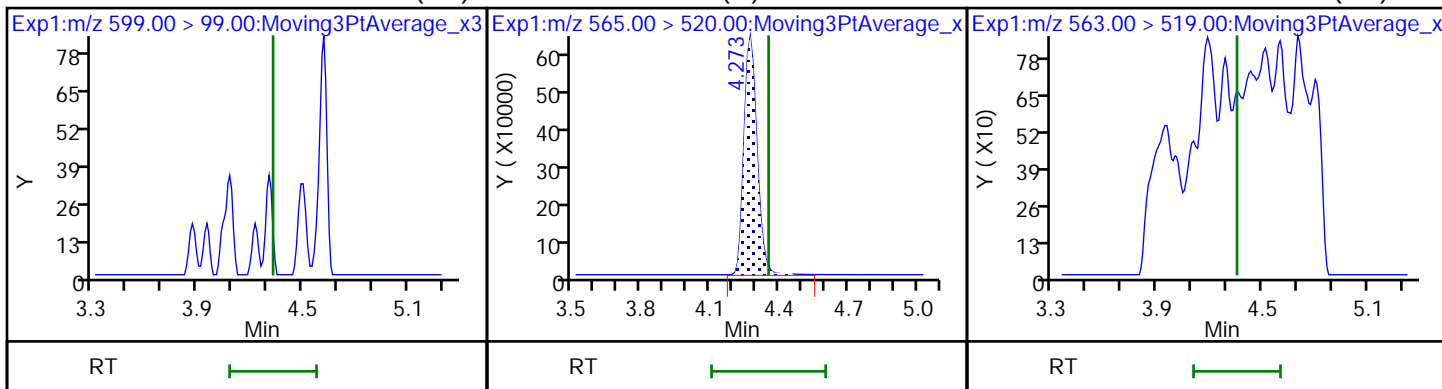
D 27 d3-NMeFOSAA

28 N-methylperfluorooctanesulfonami (M) 29 Perfluorodecanesulfonic acid (ND)



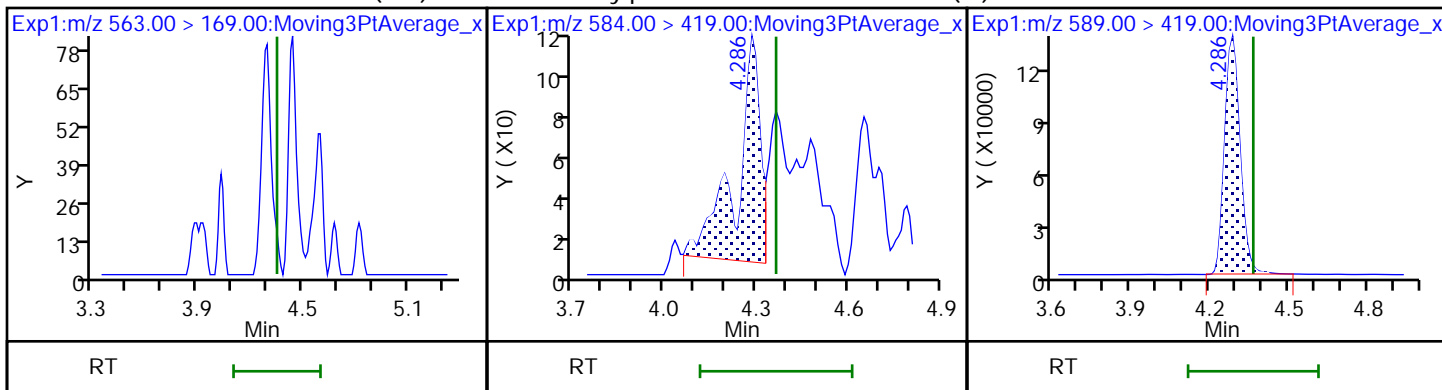
29 Perfluorodecanesulfonic acid (ND) D 30 13C2 PFUa (M)

31 Perfluoroundecanoic acid (ND)



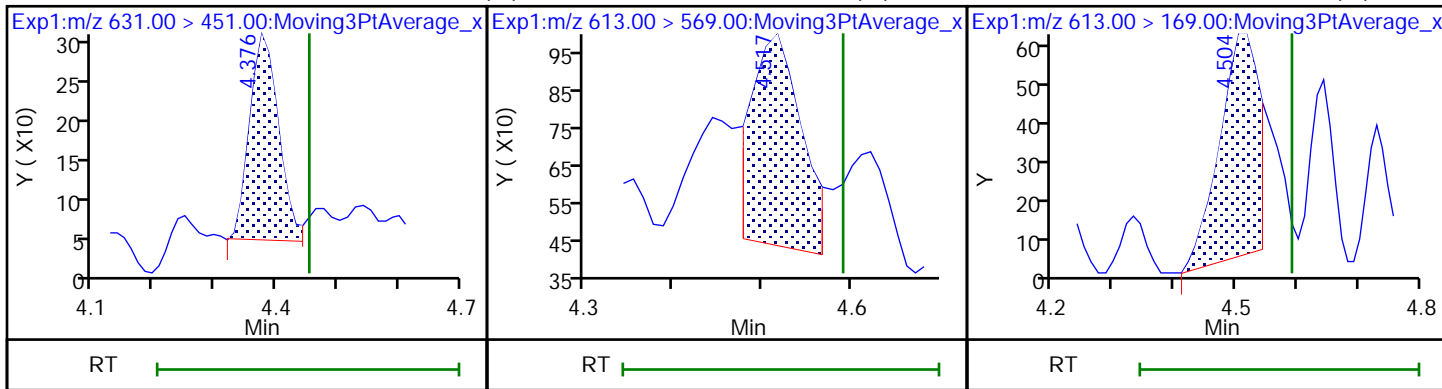
31 Perfluoroundecanoic acid (ND)

33 N-ethylperfluorooctanesulfonamid (ND) 32 d5-NEtFOSAA



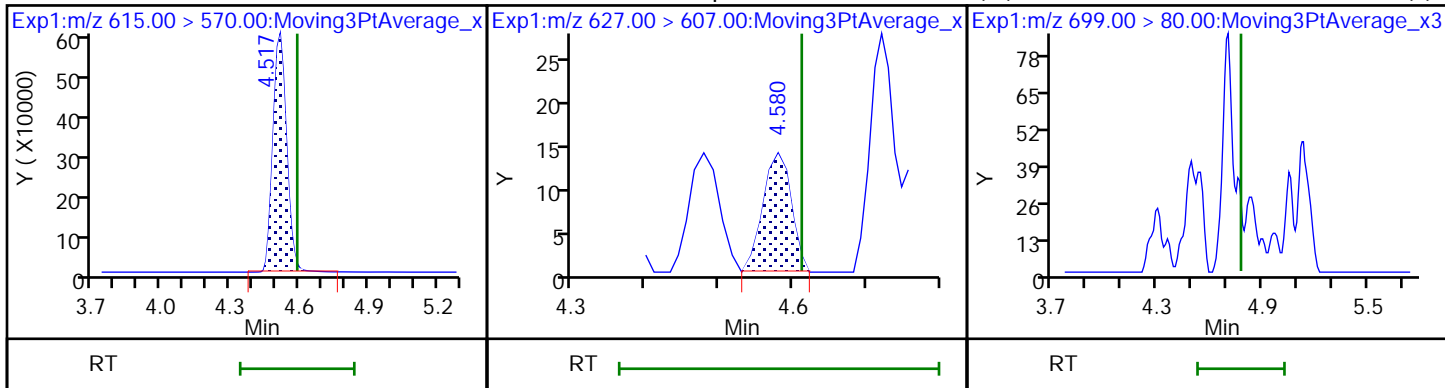
66 11-Chloroeicosafuoro-3-oxaundec (M) 37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid (M)



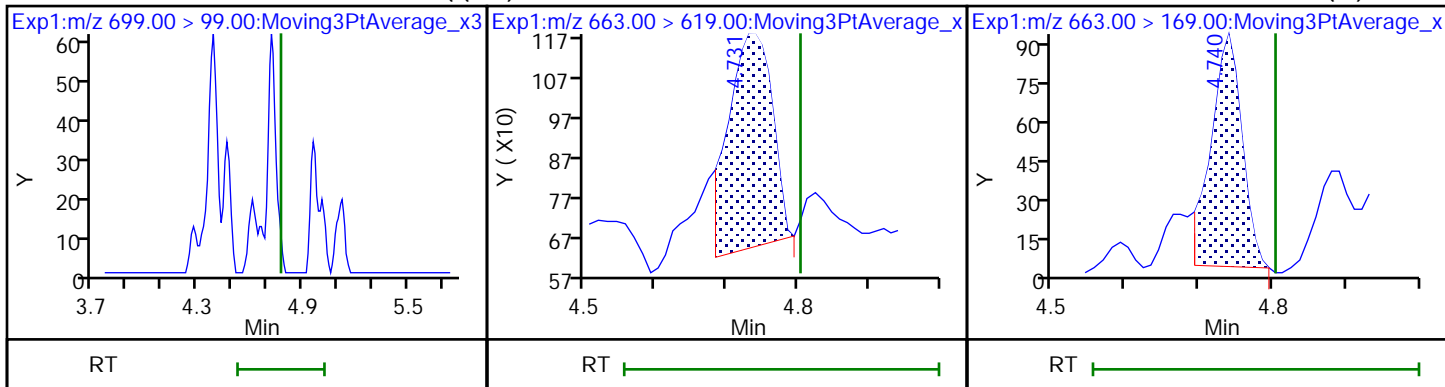
D 36 13C2 PFDoA

74 1H,1H,2H,2H-perfluorododecanesul (M) Perfluorododecanesulfonic acid ((ND)



75 Perfluorododecanesulfonic acid ((ND) 1 Perfluorotridecanoic acid

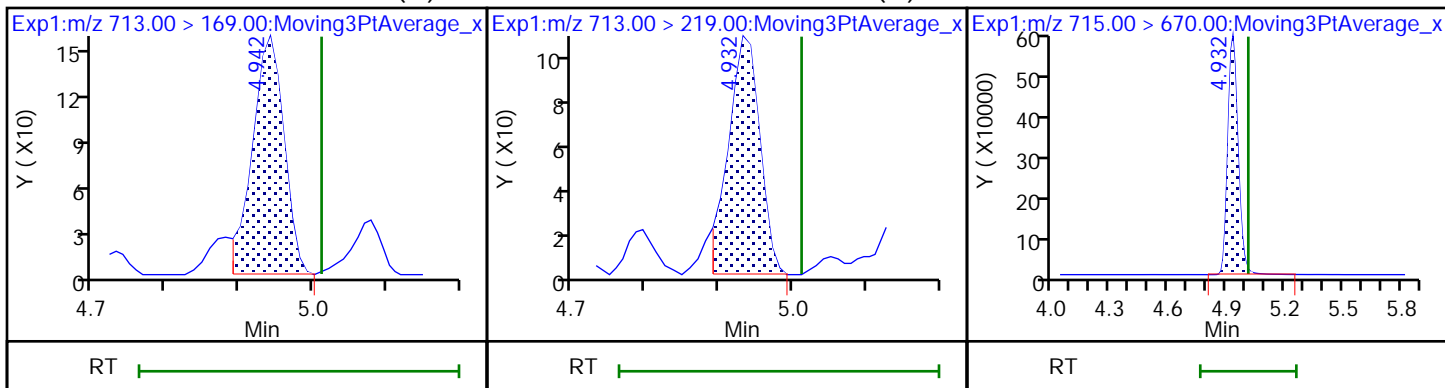
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

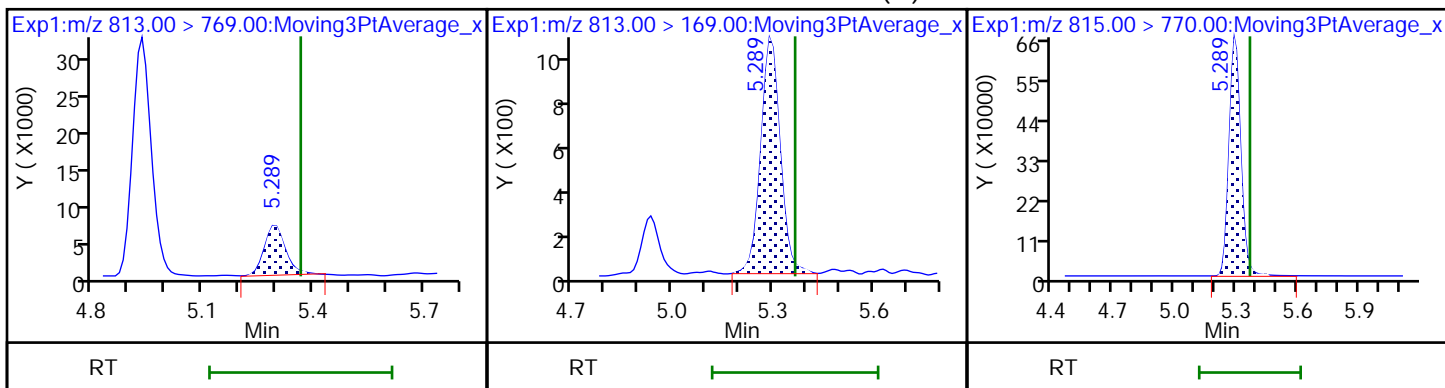
D 43 13C2 PFTeDA



45 Perfluorohexadecanoic acid

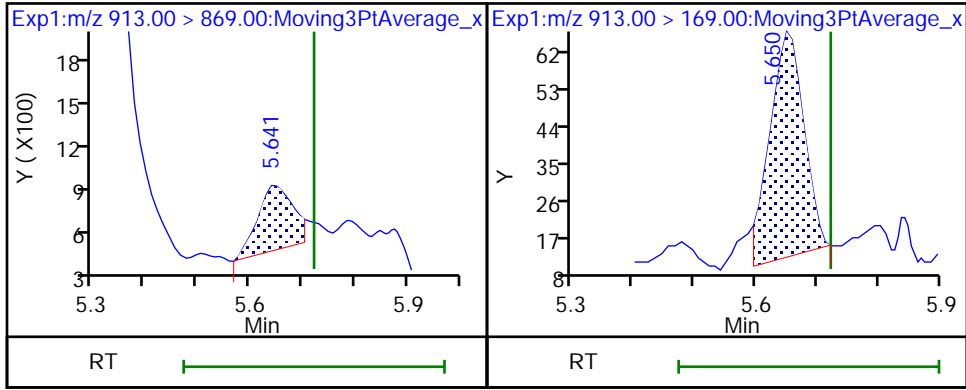
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

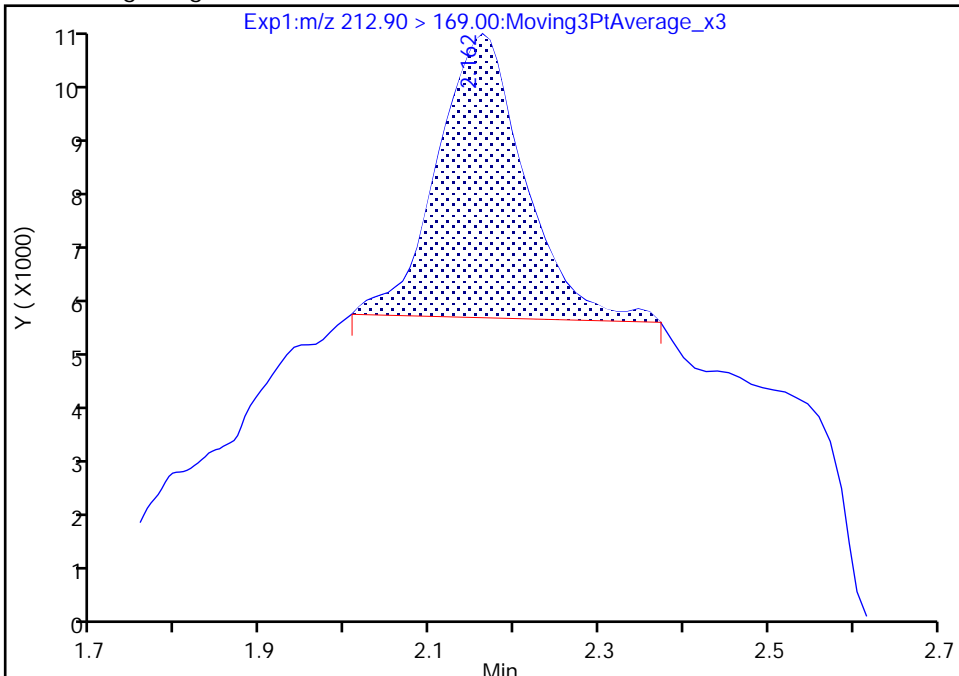
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A04.d
Injection Date: 02-Dec-2022 12:33:14 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

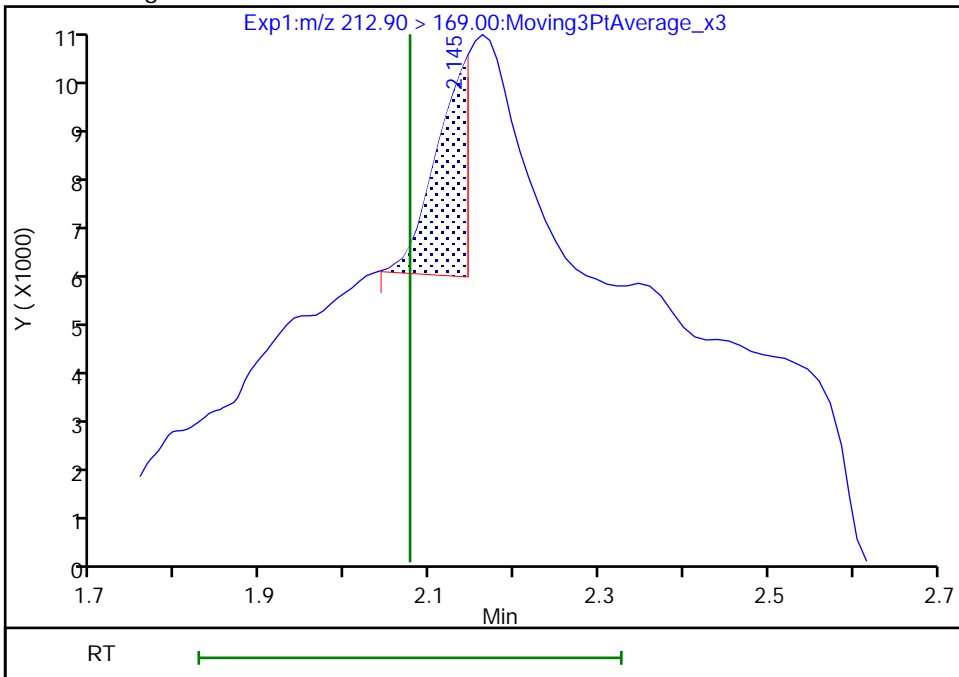
RT: 2.16
Area: 37176
Amount: 0.016426
Amount Units: ng/ml

Processing Integration Results



RT: 2.14
Area: 11037
Amount: 0.004877
Amount Units: ng/ml

Manual Integration Results



Reviewer: SJ4N, 05-Dec-2022 10:54:52
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 712 of 939

Eurofins Burlington

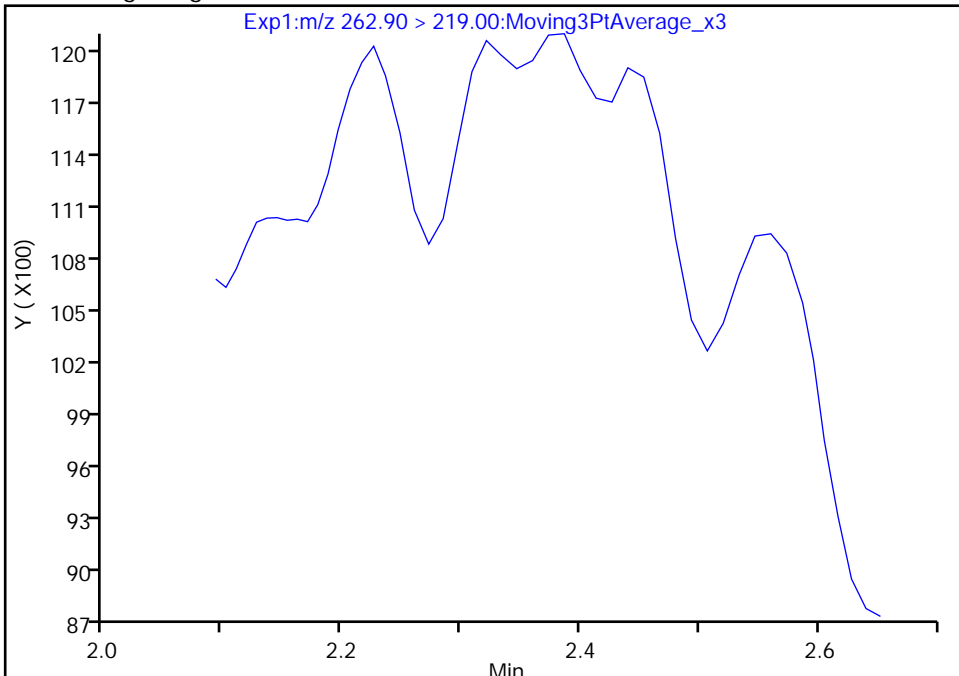
Data File:	\\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A04.d		
Injection Date:	02-Dec-2022 12:33:14	Instrument ID:	LC812
Lims ID:	CCB		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	1
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	4

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

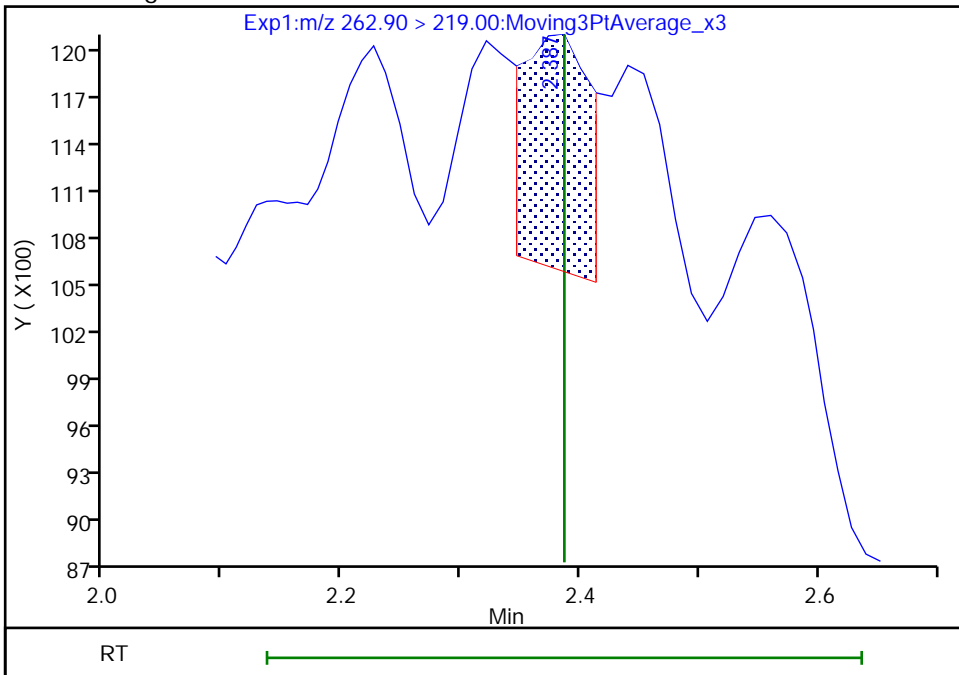
Not Detected
Expected RT: 2.39

Processing Integration Results



Manual Integration Results

RT: 2.39
 Area: 5372
 Amount: 0.002916
 Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 10:30:18
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 713 of 939

Eurofins Burlington

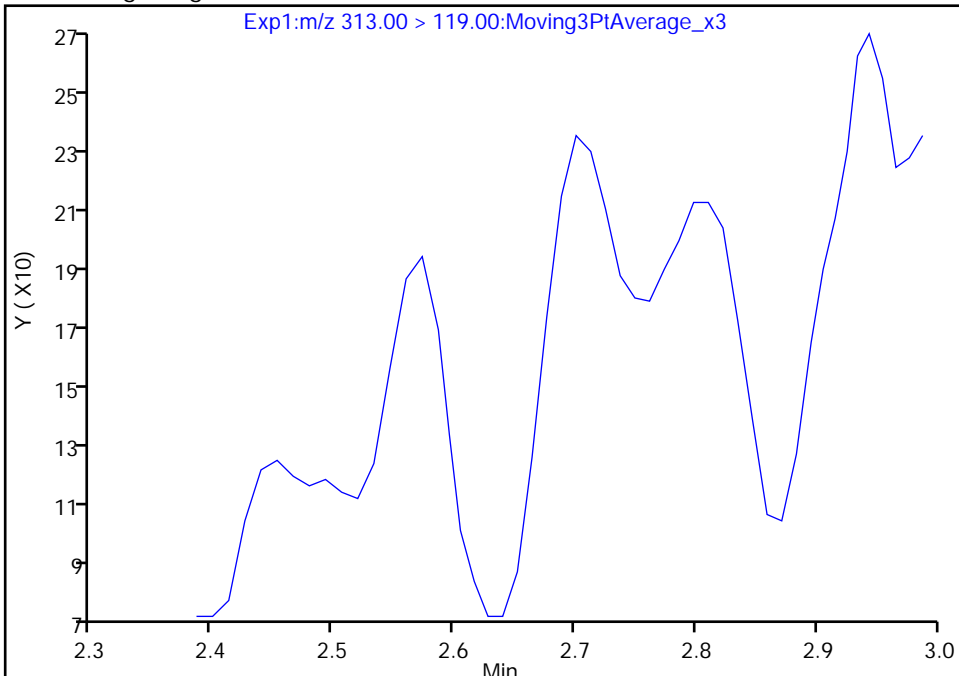
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A04.d
Injection Date: 02-Dec-2022 12:33:14 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

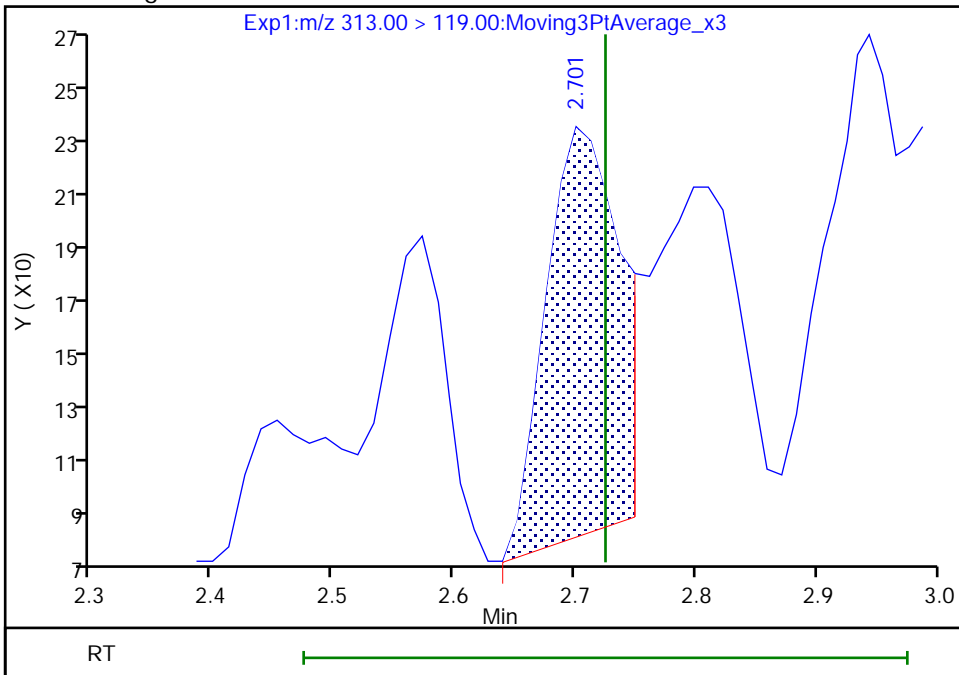
Not Detected
Expected RT: 2.73

Processing Integration Results



RT: 2.70
Area: 587
Amount: 0.001126
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:31:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

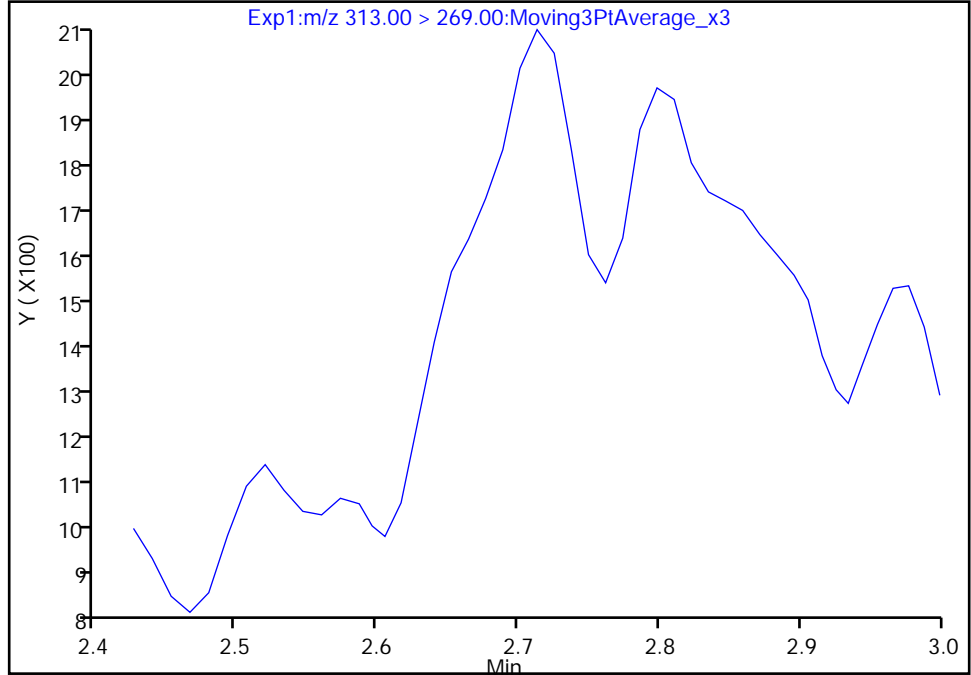
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A04.d
Injection Date: 02-Dec-2022 12:33:14 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

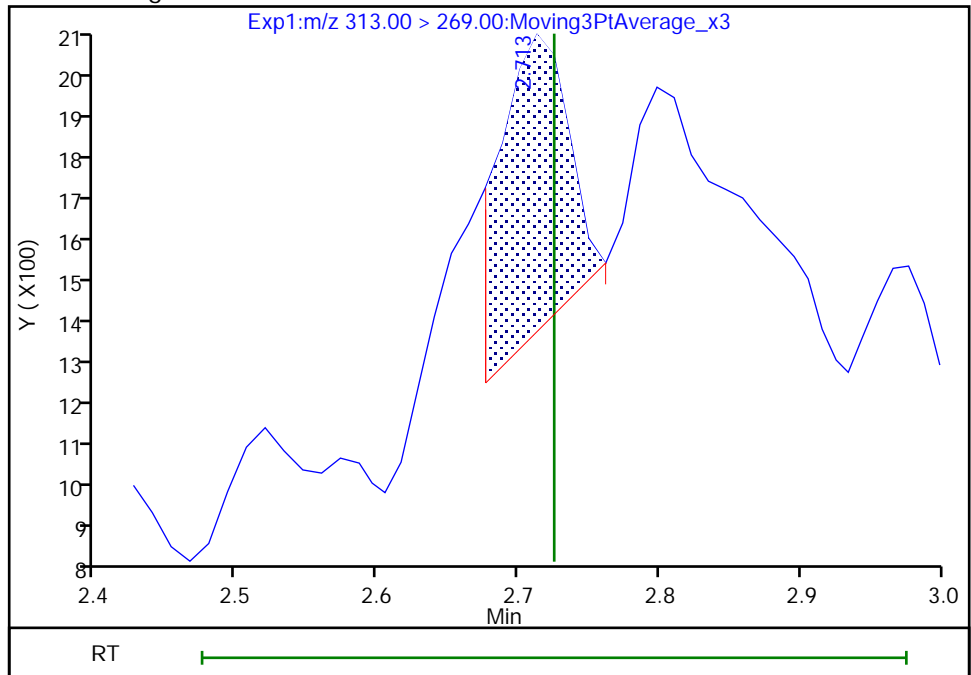
Not Detected
Expected RT: 2.73

Processing Integration Results



Manual Integration Results

RT: 2.71
Area: 2171
Amount: 0.001126
Amount Units: ng/ml



Reviewer: nampitkw, 05-Dec-2022 10:31:22

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

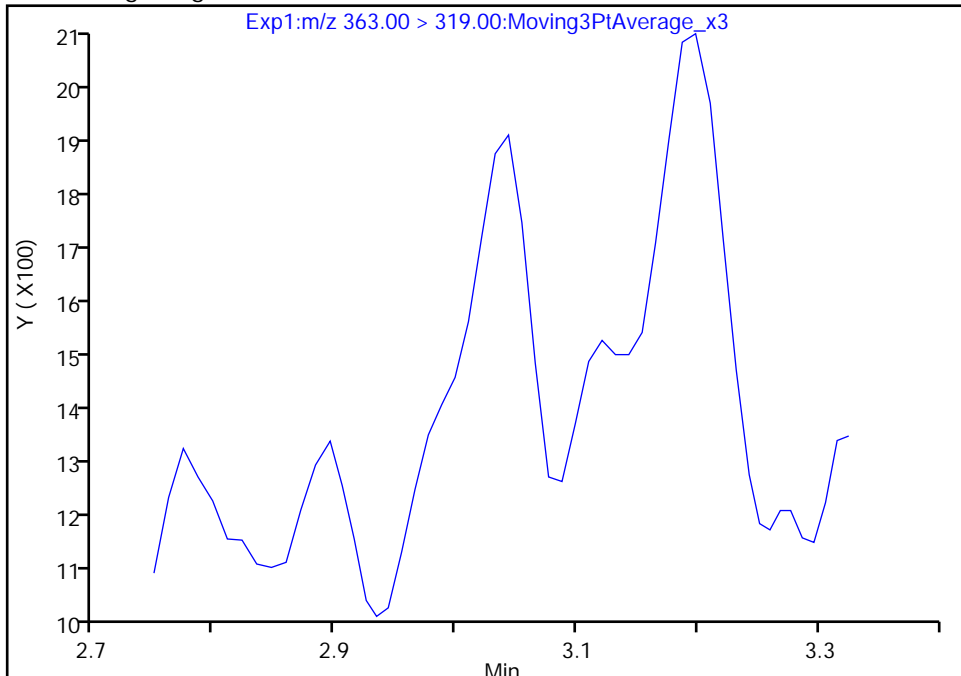
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A04.d
Injection Date: 02-Dec-2022 12:33:14 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

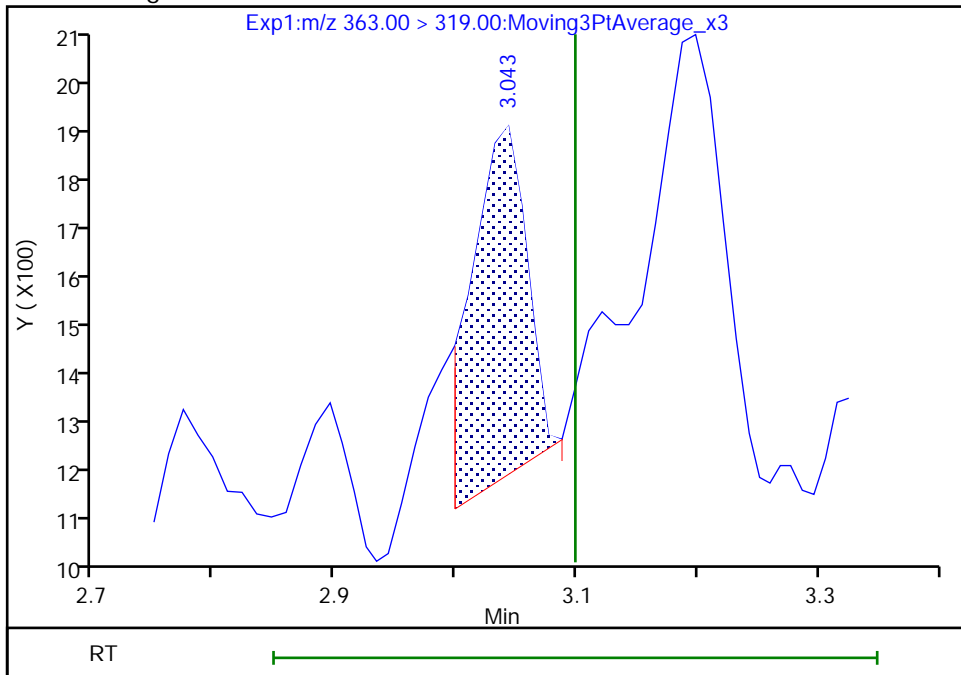
Not Detected
Expected RT: 3.10

Processing Integration Results



Manual Integration Results

RT: 3.04
Area: 2127
Amount: 0.001043
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 10:32:28
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 716 of 939

Eurofins Burlington

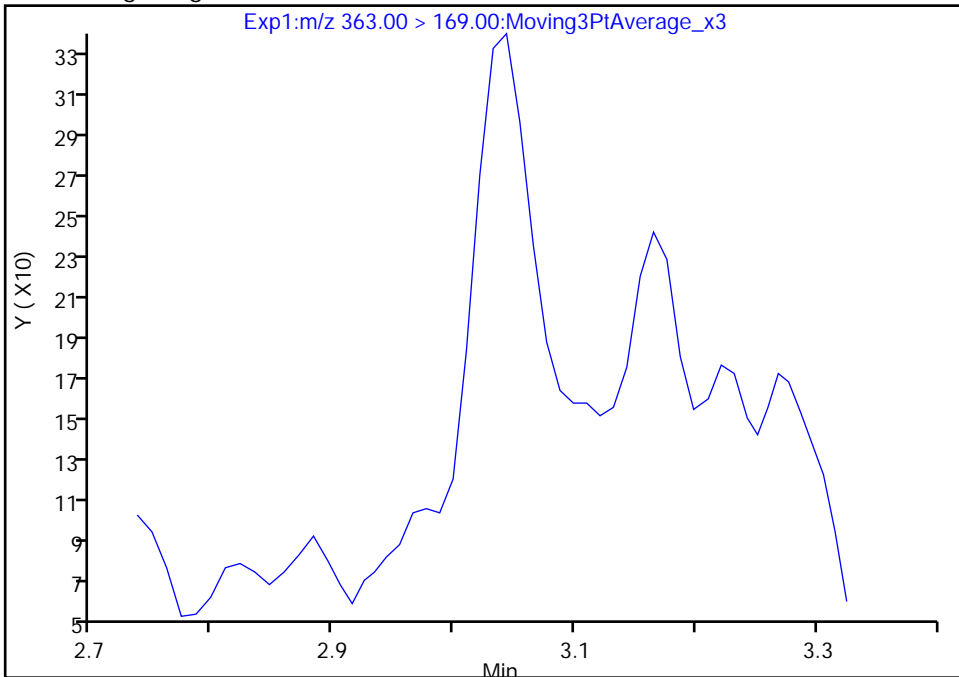
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A04.d
Injection Date: 02-Dec-2022 12:33:14 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

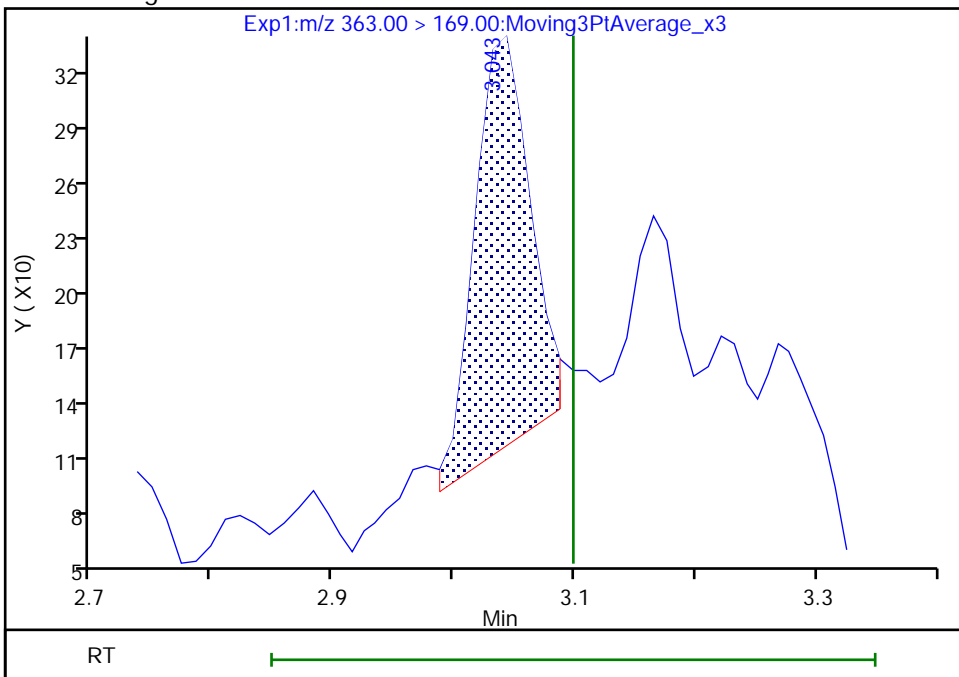
Not Detected
Expected RT: 3.10

Processing Integration Results



Manual Integration Results

RT: 3.04
Area: 685
Amount: 0.001043
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 10:32:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

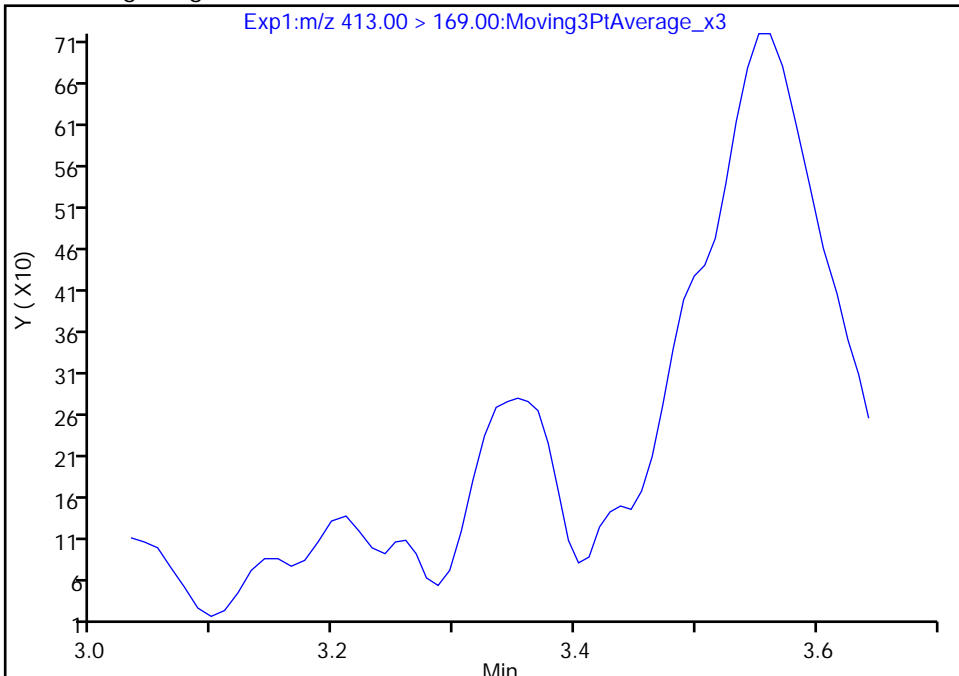
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A04.d
Injection Date: 02-Dec-2022 12:33:14 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

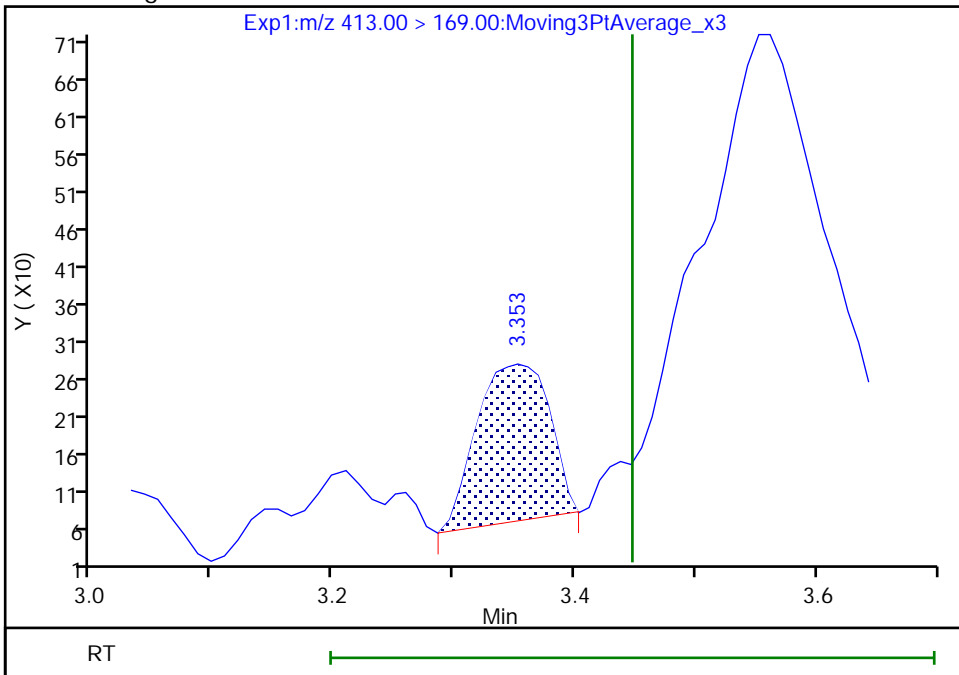
Not Detected
Expected RT: 3.45

Processing Integration Results



Manual Integration Results

RT: 3.35
Area: 875
Amount: 0.001025
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 10:33:36
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 718 of 939

Eurofins Burlington

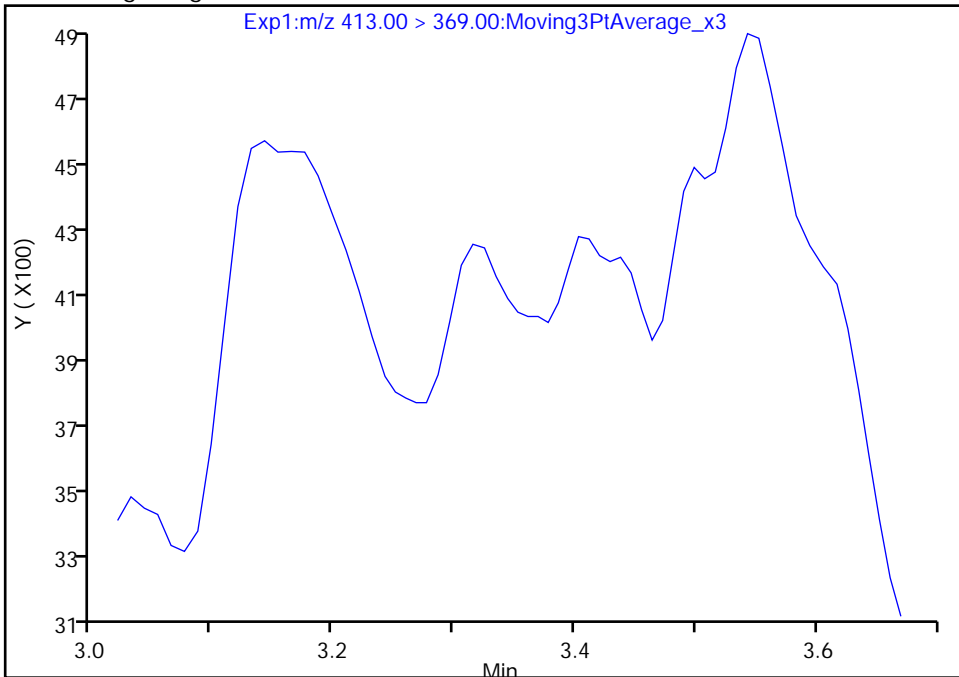
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A04.d
Injection Date: 02-Dec-2022 12:33:14 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

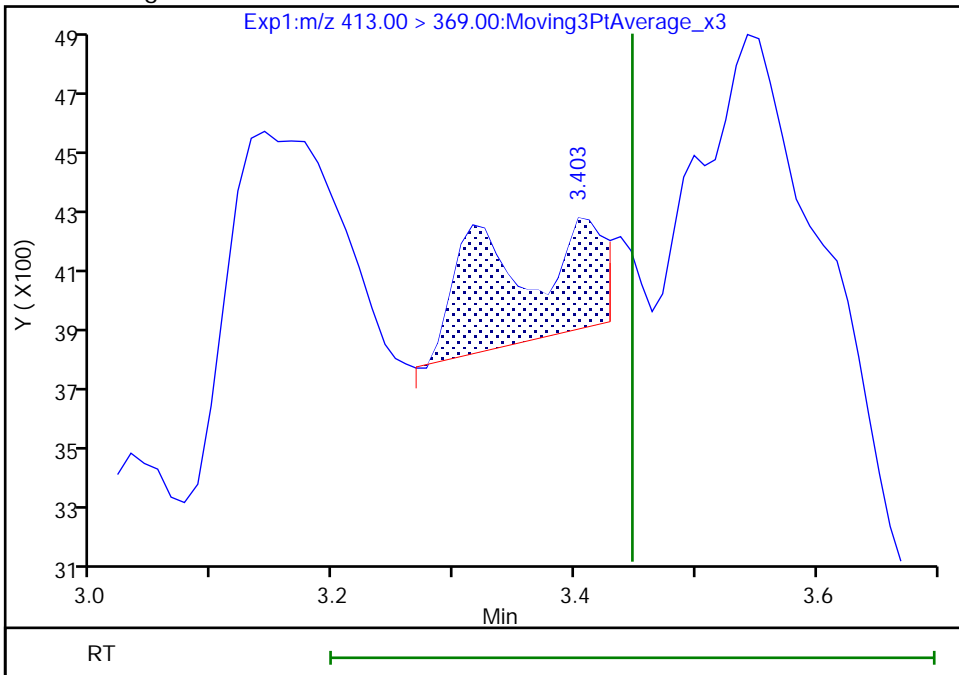
Not Detected
Expected RT: 3.45

Processing Integration Results



Manual Integration Results

RT: 3.40
Area: 2354
Amount: 0.001025
Amount Units: ng/ml



Eurofins Burlington

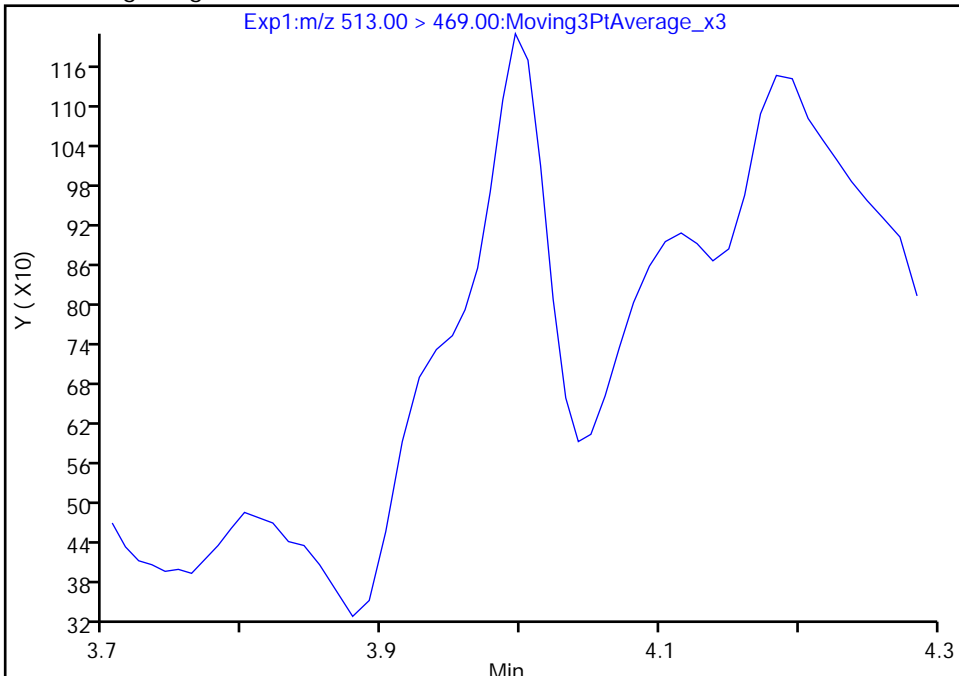
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A04.d
Injection Date: 02-Dec-2022 12:33:14 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

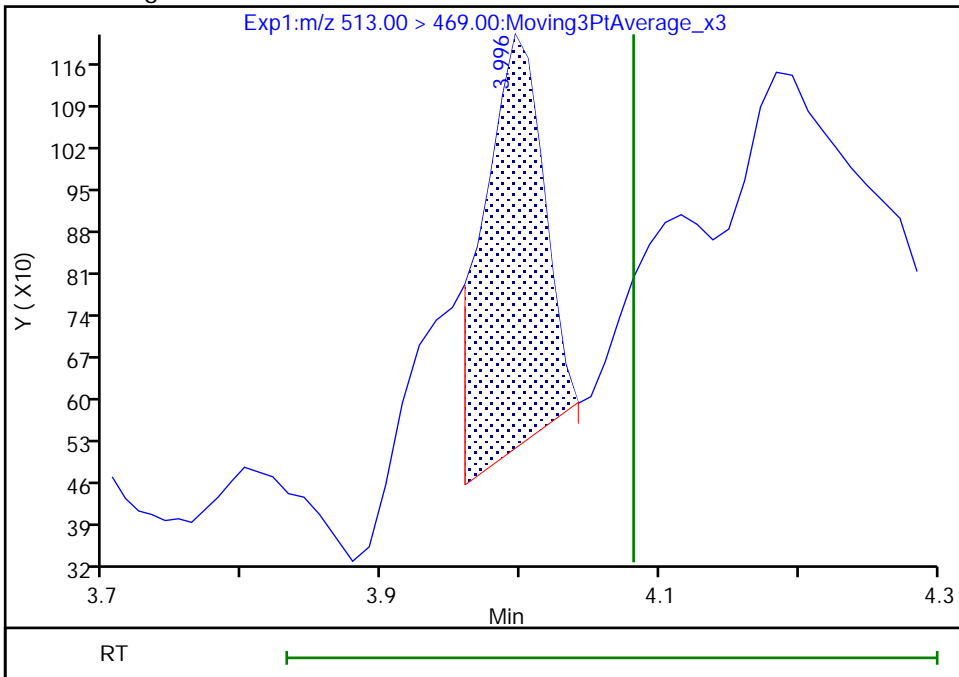
Signal: 1

Not Detected
Expected RT: 4.08

Processing Integration Results



Manual Integration Results



RT: 4.00
Area: 2042
Amount: 0.000829
Amount Units: ng/ml

Reviewer: nampitakw, 05-Dec-2022 10:36:17
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 720 of 939

Eurofins Burlington

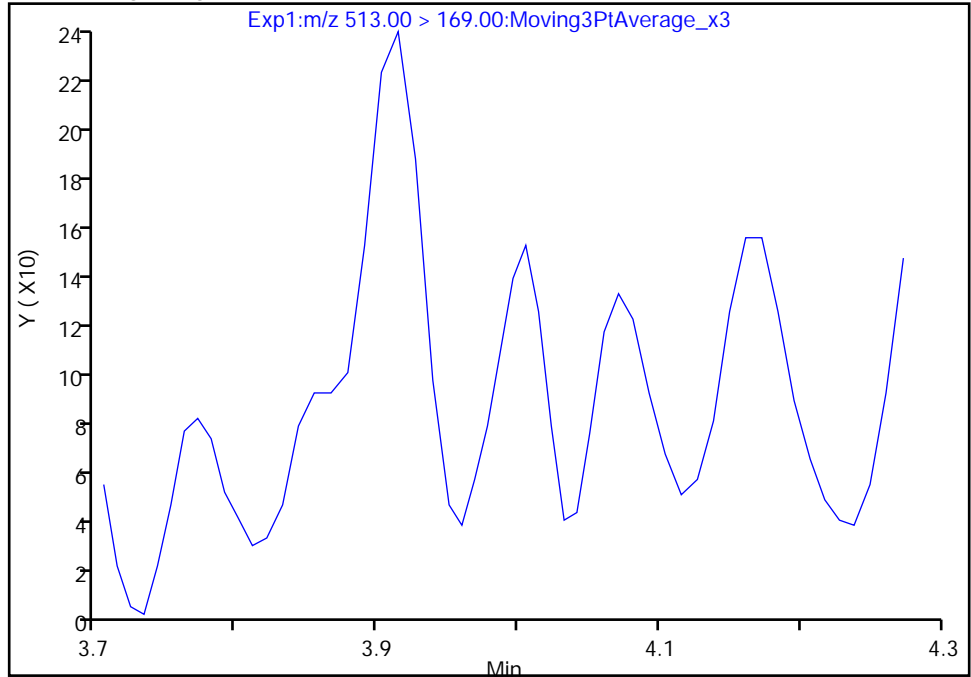
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A04.d
Injection Date: 02-Dec-2022 12:33:14 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

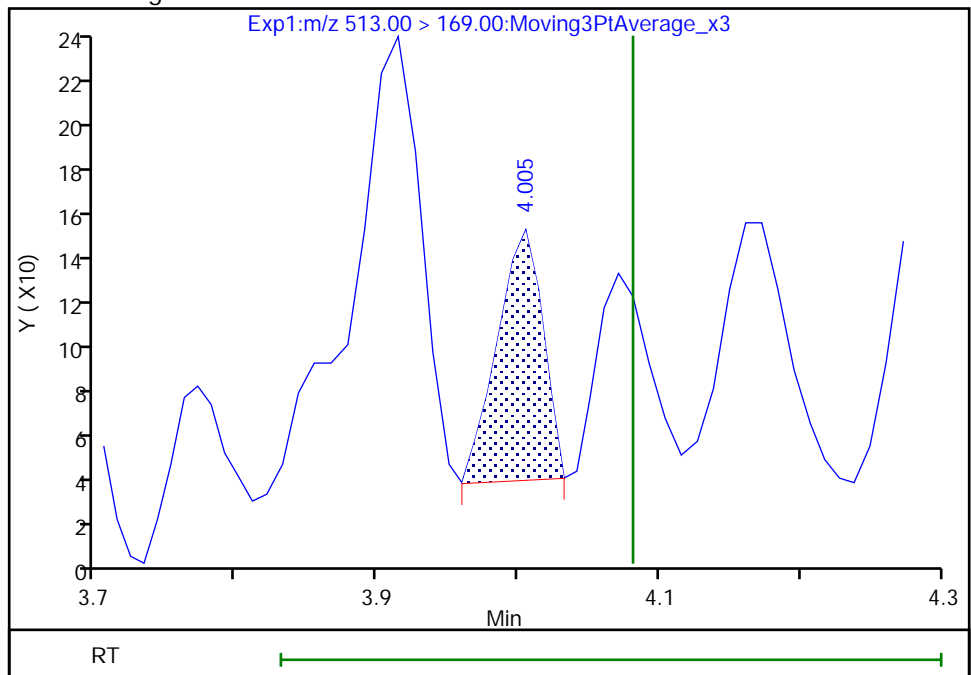
Not Detected
Expected RT: 4.08

Processing Integration Results



RT: 4.01
Area: 243
Amount: 0.000829
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Dec-2022 10:36:36

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

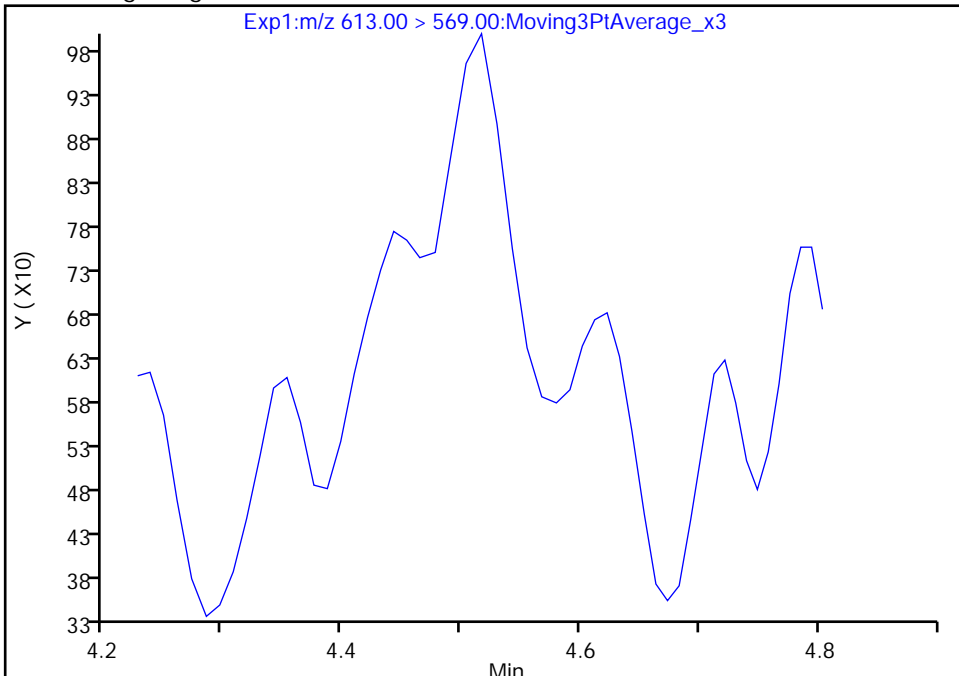
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A04.d
Injection Date: 02-Dec-2022 12:33:14 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

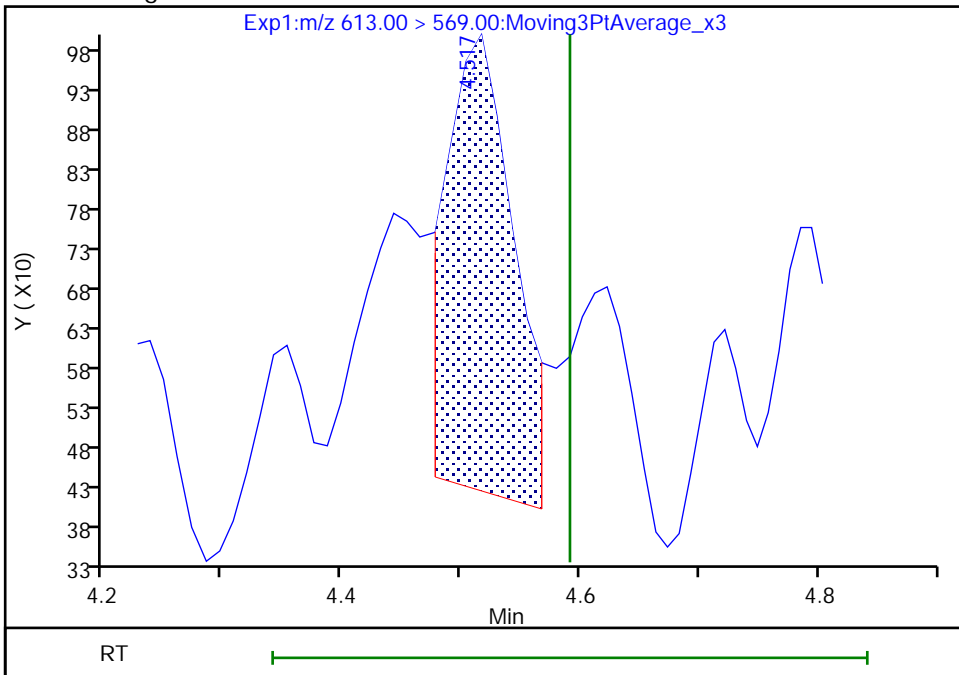
Not Detected
Expected RT: 4.59

Processing Integration Results



Manual Integration Results

RT: 4.52
Area: 2193
Amount: 0.001043
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 10:38:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 722 of 939

Eurofins Burlington

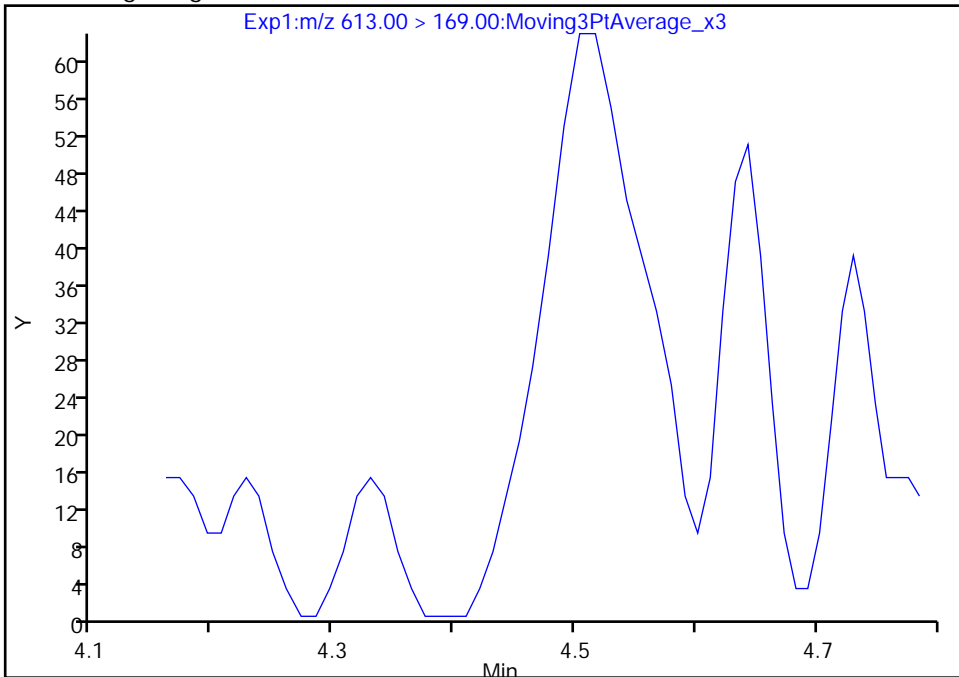
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A04.d
Injection Date: 02-Dec-2022 12:33:14 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

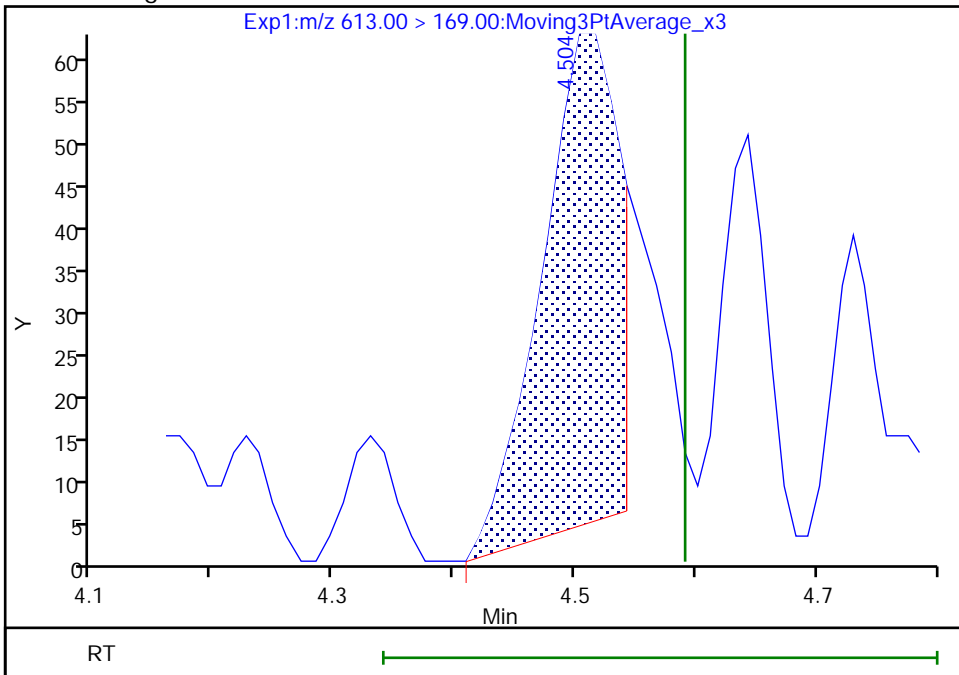
Not Detected
Expected RT: 4.59

Processing Integration Results



Manual Integration Results

RT: 4.50
Area: 252
Amount: 0.001043
Amount Units: ng/ml



Reviewer: nampitkw, 05-Dec-2022 10:38:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

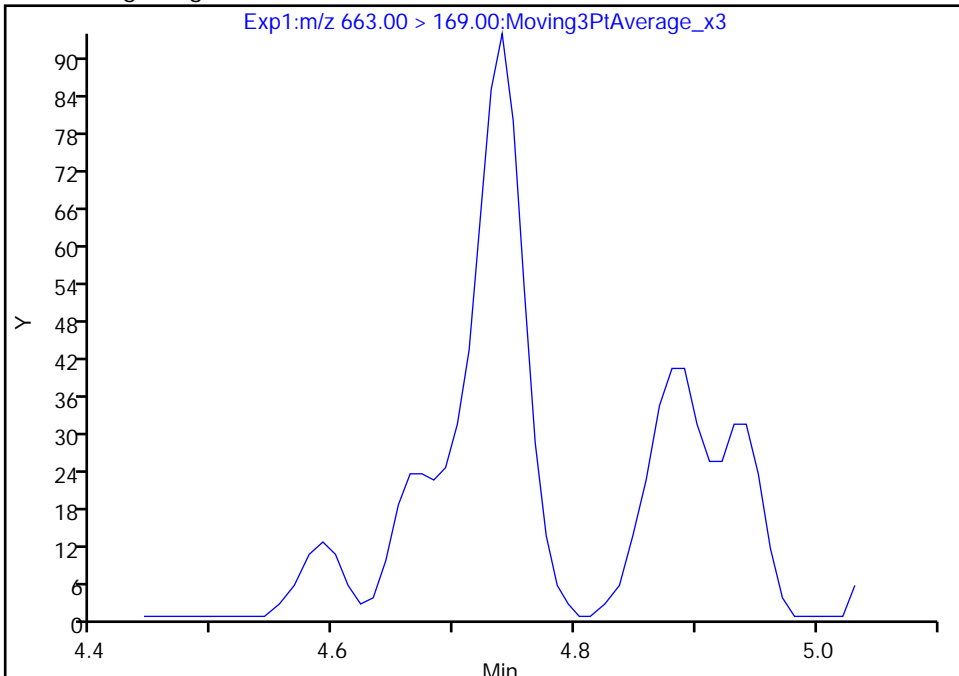
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A04.d
Injection Date: 02-Dec-2022 12:33:14 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

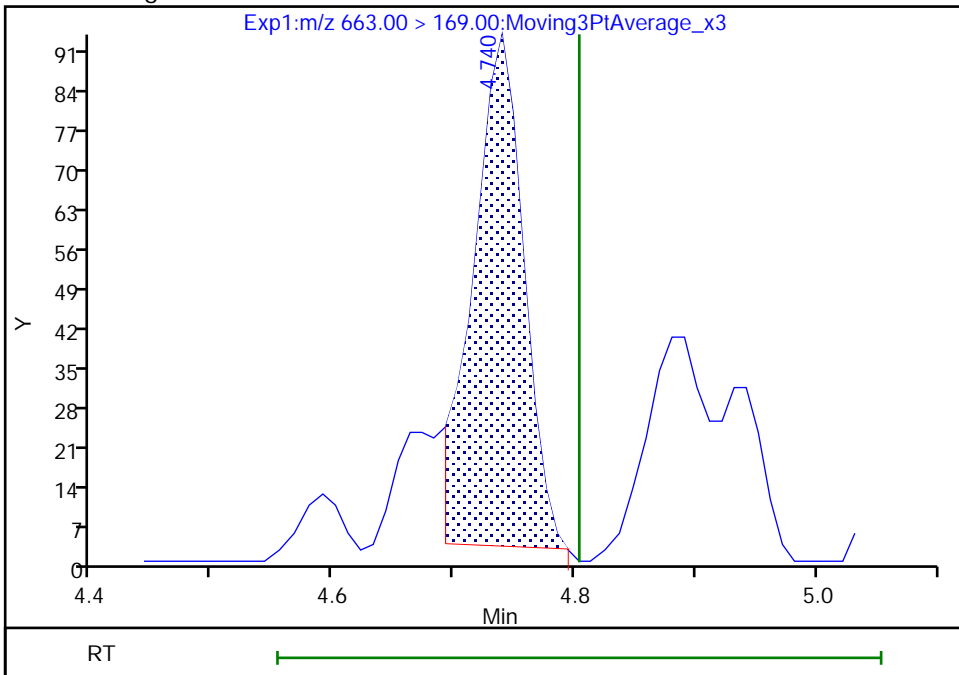
Not Detected
Expected RT: 4.80

Processing Integration Results



RT: 4.74
Area: 265
Amount: 0.001144
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:39:29
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 724 of 939

Eurofins Burlington

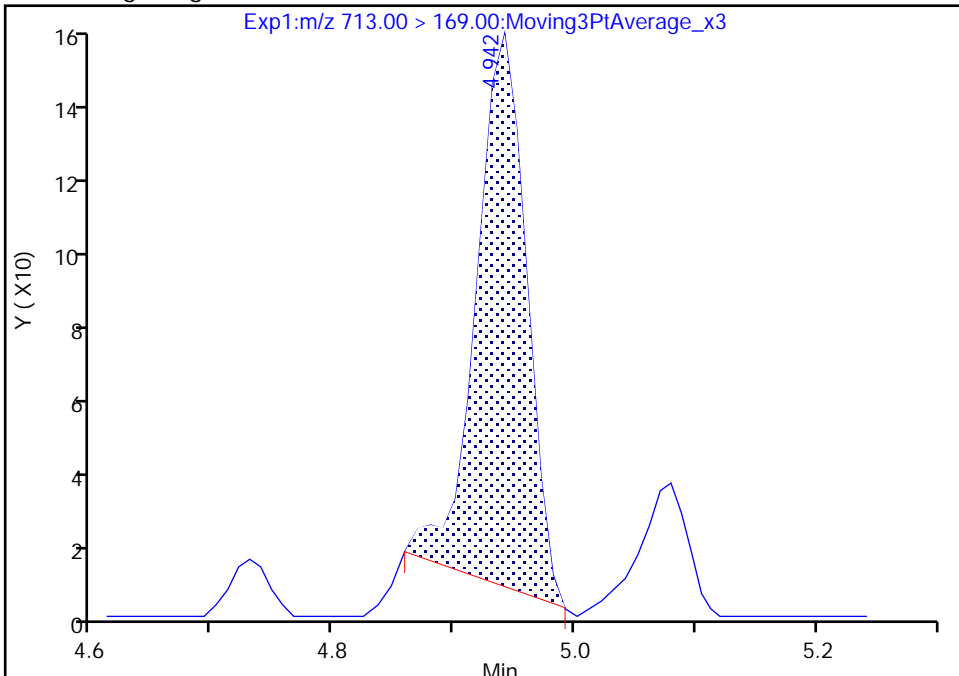
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A04.d
Injection Date: 02-Dec-2022 12:33:14 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

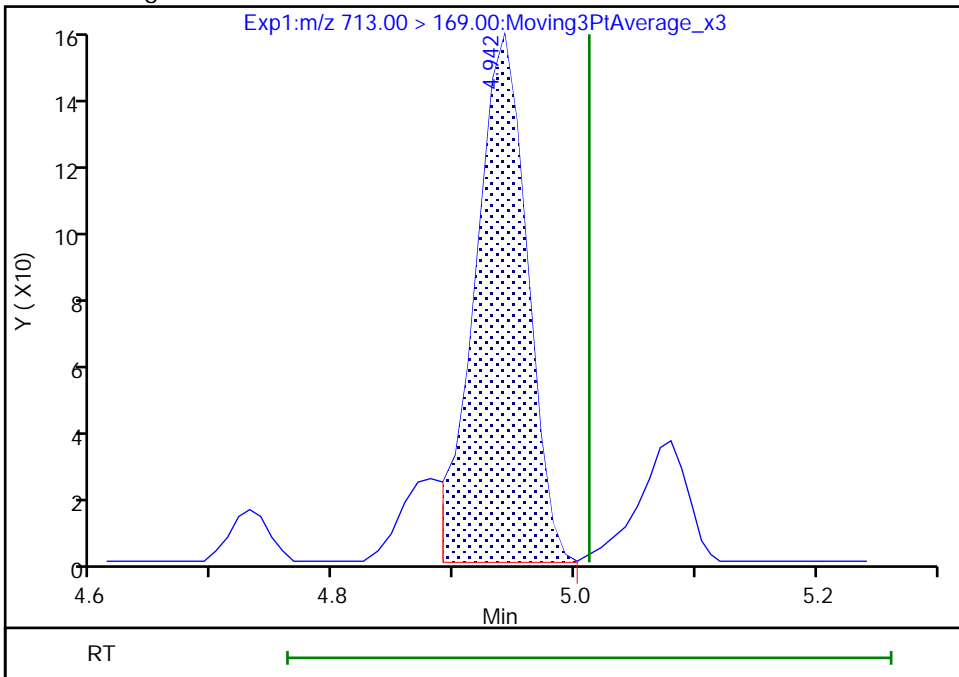
RT: 4.94
Area: 420
Amount: 0.001743
Amount Units: ng/ml

Processing Integration Results



RT: 4.94
Area: 454
Amount: 0.001884
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:39:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

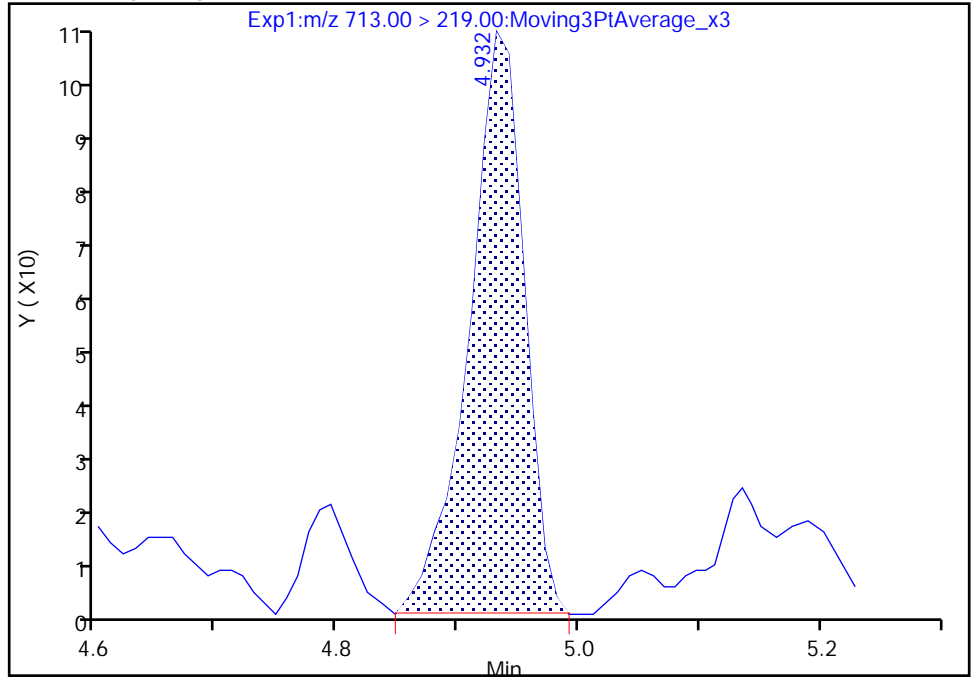
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A04.d
Injection Date: 02-Dec-2022 12:33:14 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

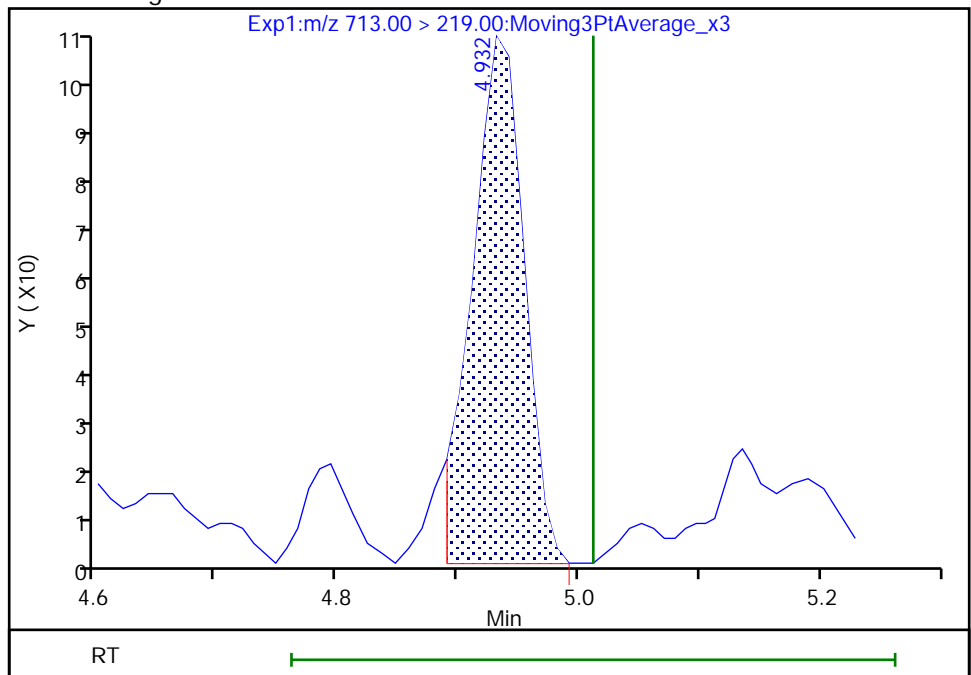
RT: 4.93
Area: 335
Amount: 0.001743
Amount Units: ng/ml

Processing Integration Results



RT: 4.93
Area: 313
Amount: 0.001884
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Dec-2022 10:39:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

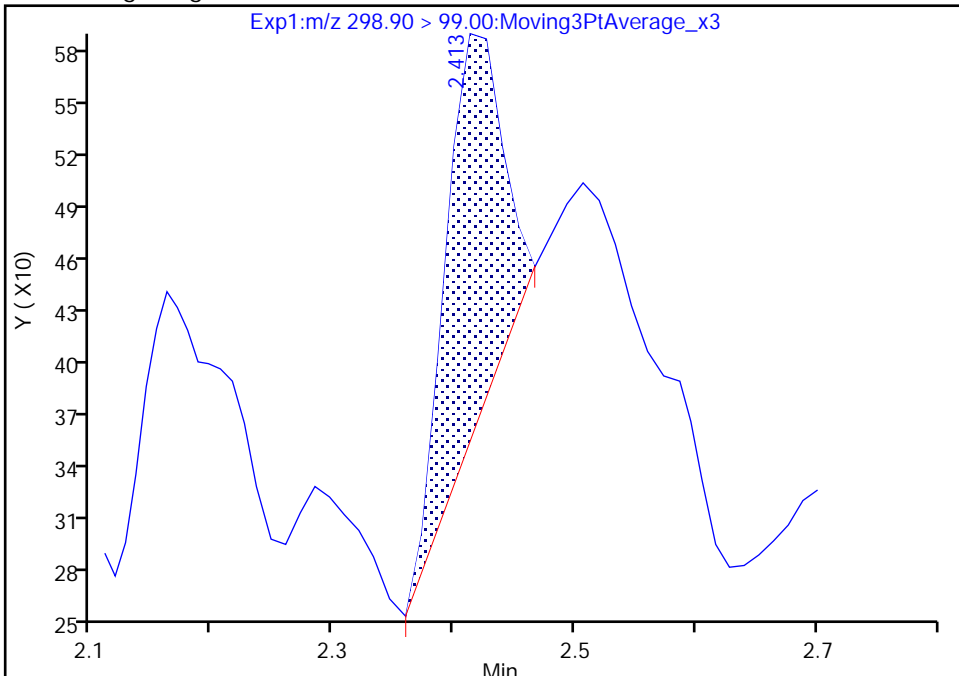
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A04.d
Injection Date: 02-Dec-2022 12:33:14 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

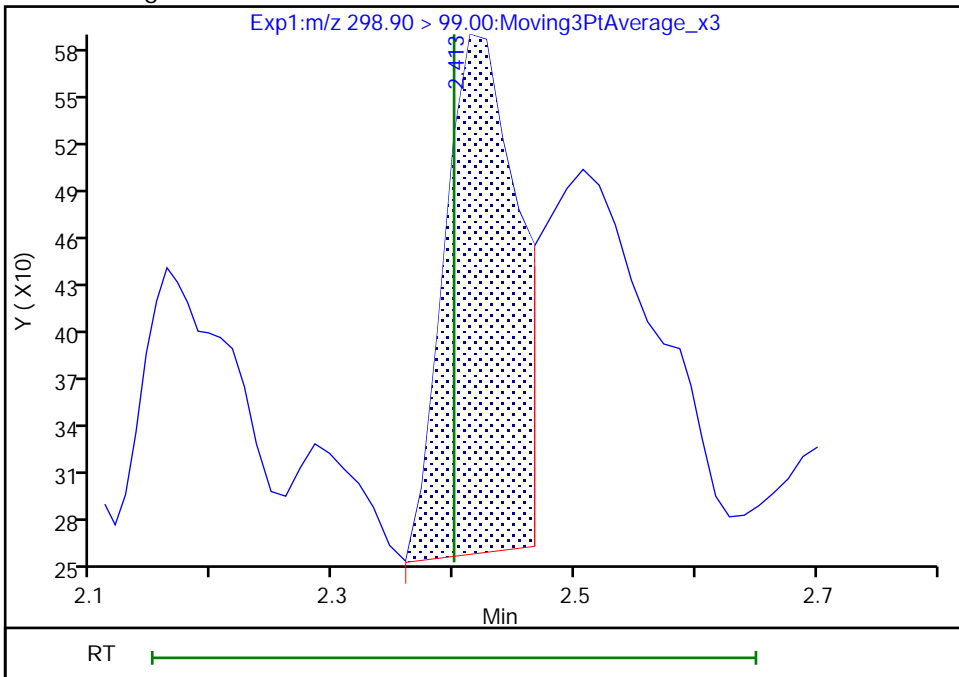
RT: 2.41
Area: 733
Amount: 0.001502
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 1339
Amount: 0.001199
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:30:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 727 of 939

Eurofins Burlington

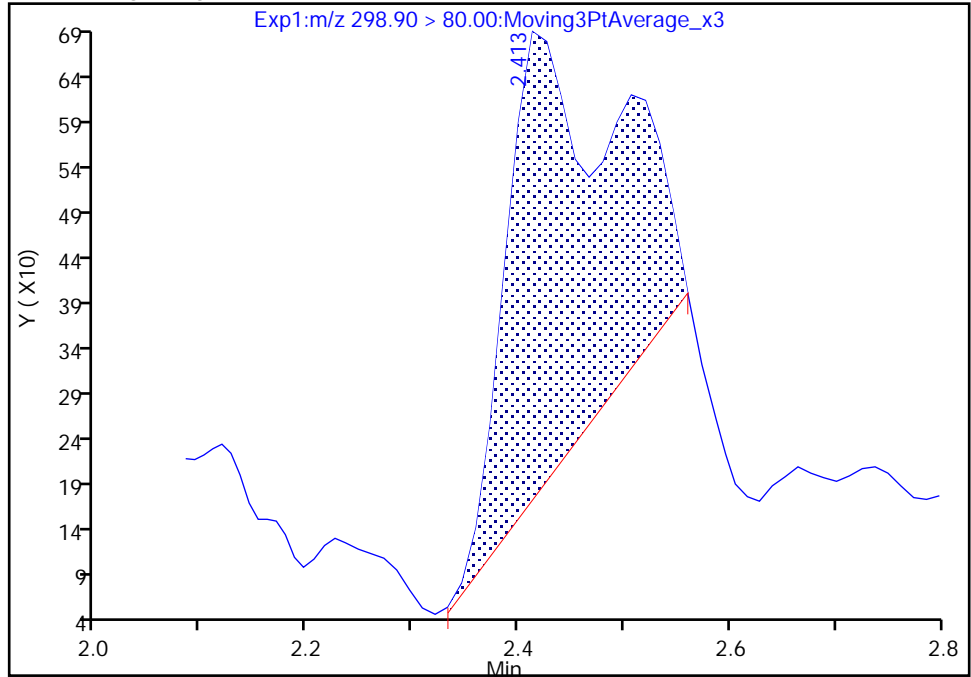
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A04.d
Injection Date: 02-Dec-2022 12:33:14 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

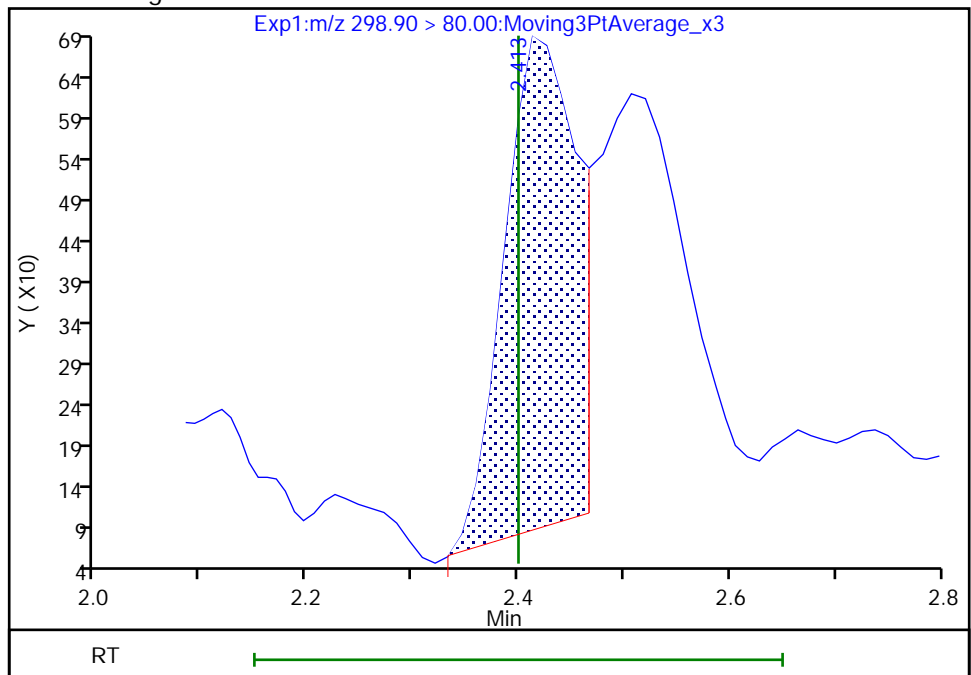
RT: 2.41
Area: 3539
Amount: 0.001502
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 2825
Amount: 0.001199
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Dec-2022 10:30:50

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

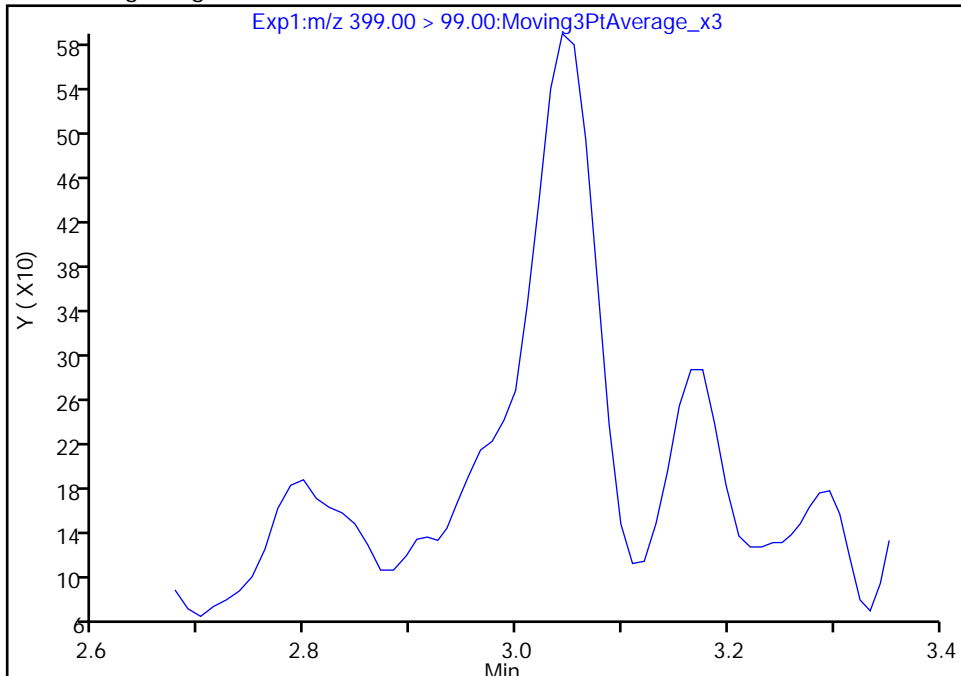
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A04.d
Injection Date: 02-Dec-2022 12:33:14 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

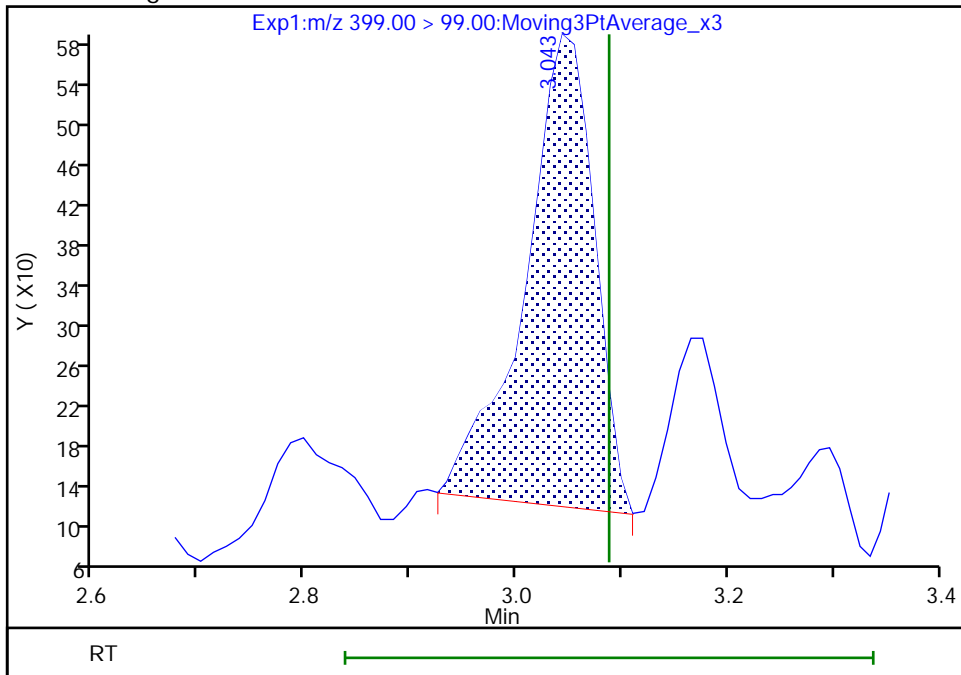
Not Detected
Expected RT: 3.09

Processing Integration Results



Manual Integration Results

RT: 3.04
Area: 2153
Amount: 0.004201
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 10:31:47
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 729 of 939

Eurofins Burlington

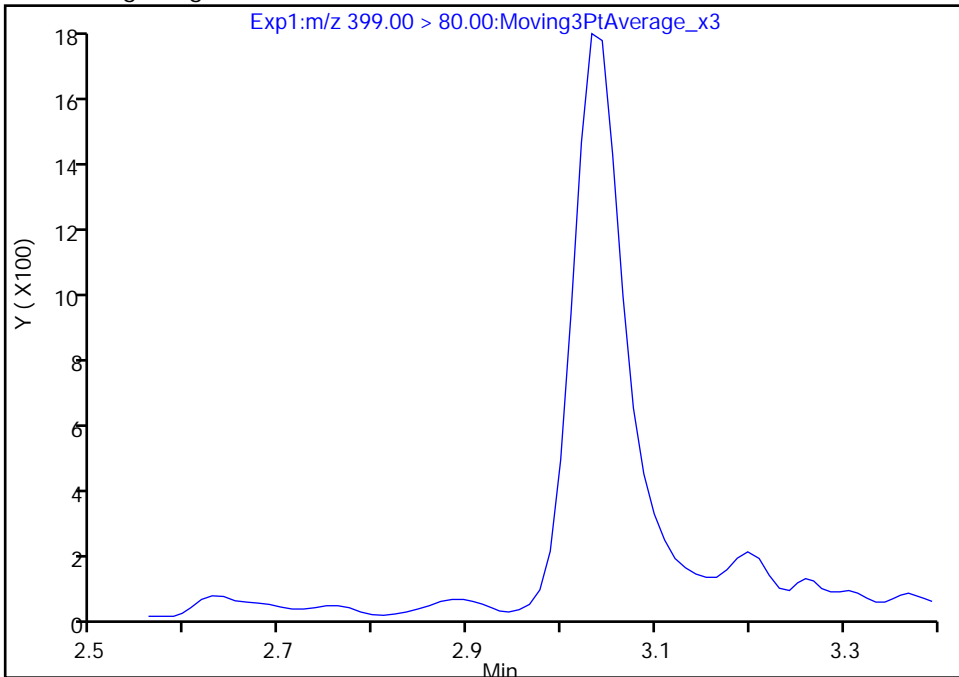
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A04.d
Injection Date: 02-Dec-2022 12:33:14 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

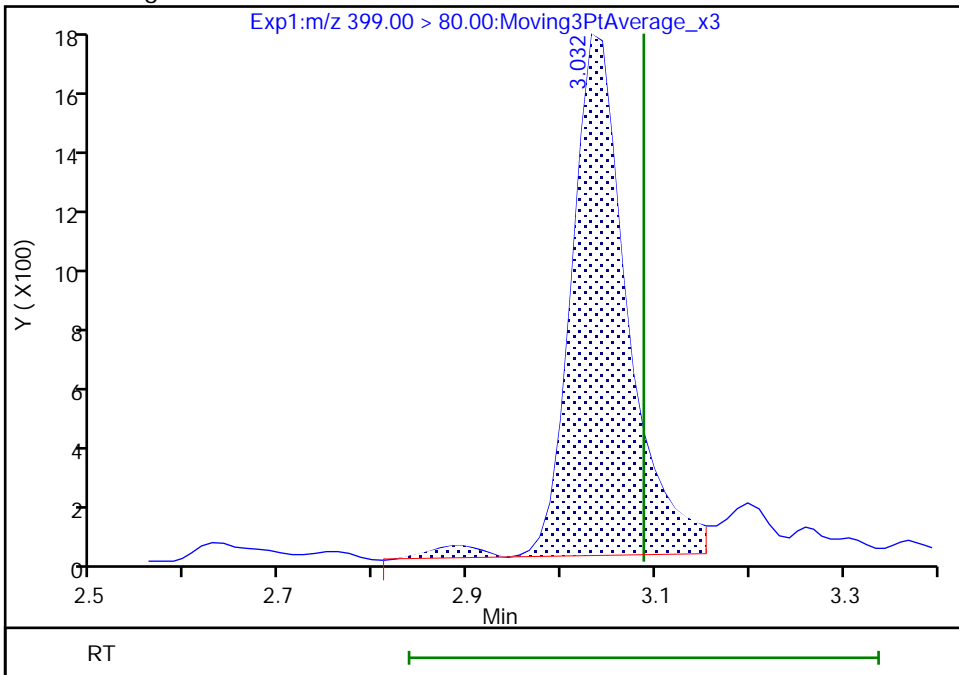
Not Detected
Expected RT: 3.09

Processing Integration Results



Manual Integration Results

RT: 3.03
Area: 7318
Amount: 0.004201
Amount Units: ng/ml



Eurofins Burlington

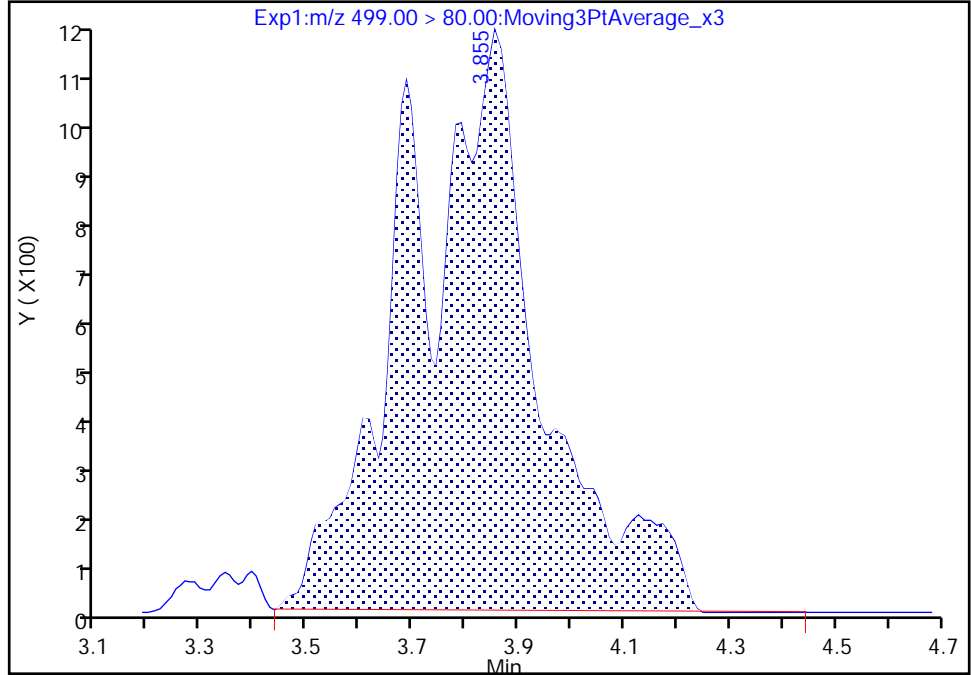
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A04.d
Injection Date: 02-Dec-2022 12:33:14 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

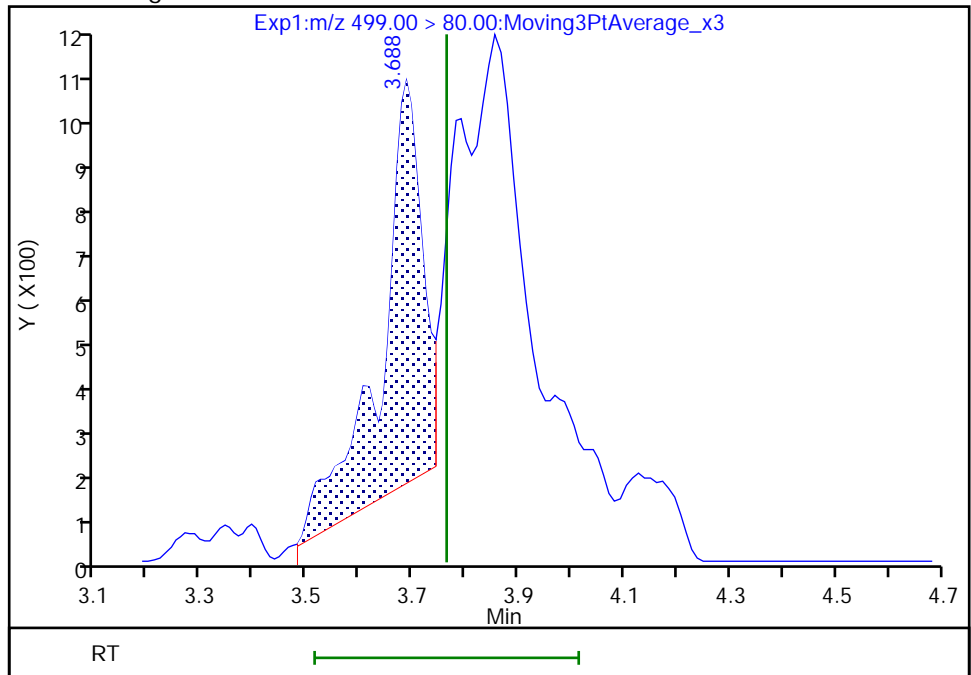
RT: 3.85
Area: 20365
Amount: 0.016038
Amount Units: ng/ml

Processing Integration Results



RT: 3.69
Area: 4861
Amount: 0.003828
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:34:45
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

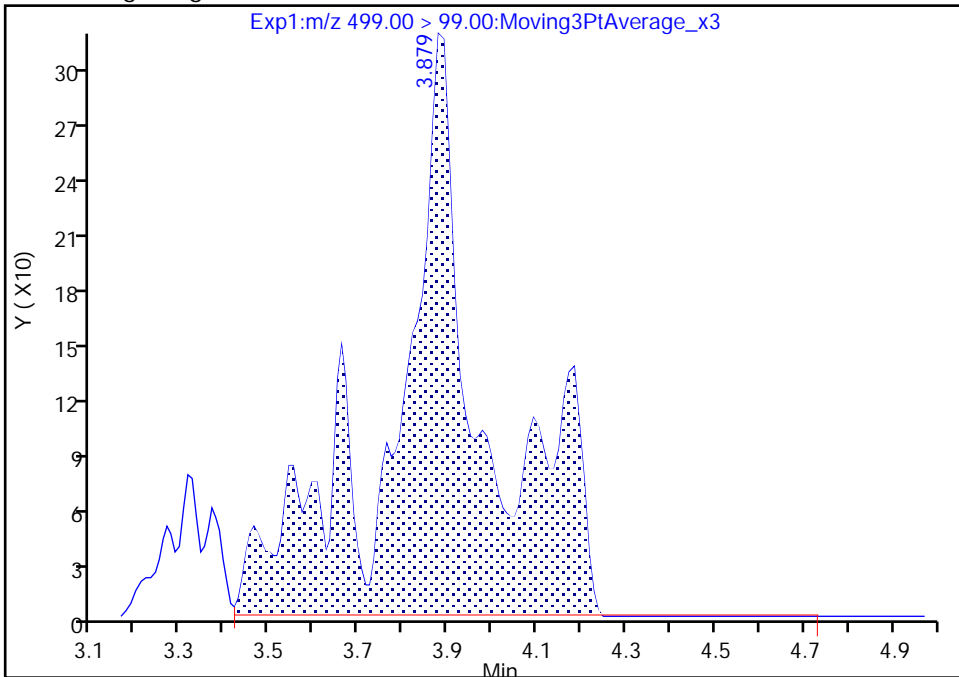
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A04.d
Injection Date: 02-Dec-2022 12:33:14 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

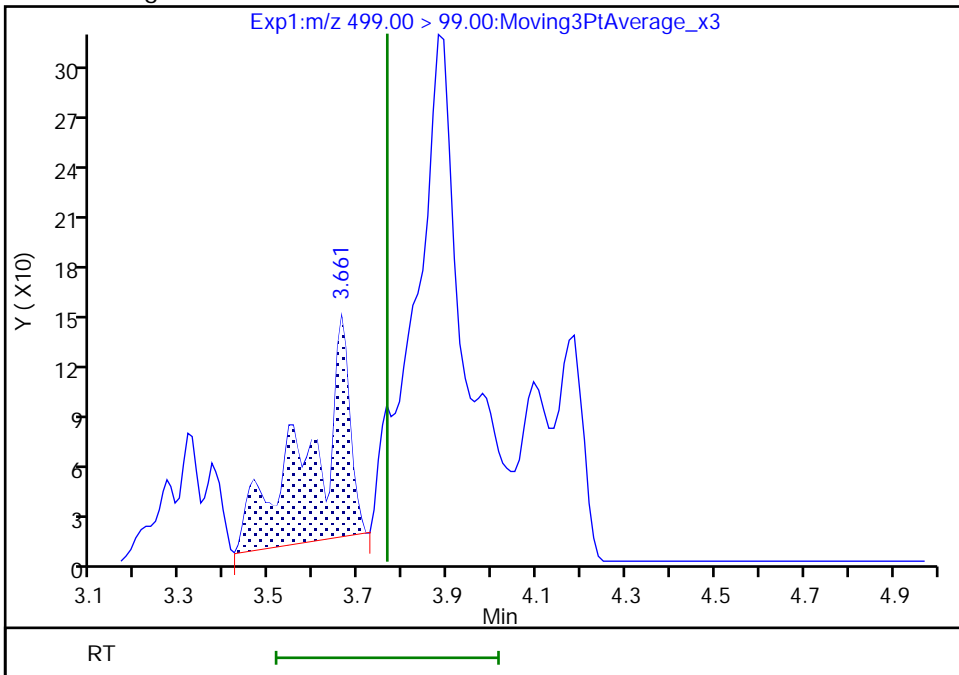
RT: 3.88
Area: 4564
Amount: 0.016038
Amount Units: ng/ml

Processing Integration Results



RT: 3.66
Area: 822
Amount: 0.003828
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Dec-2022 10:35:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

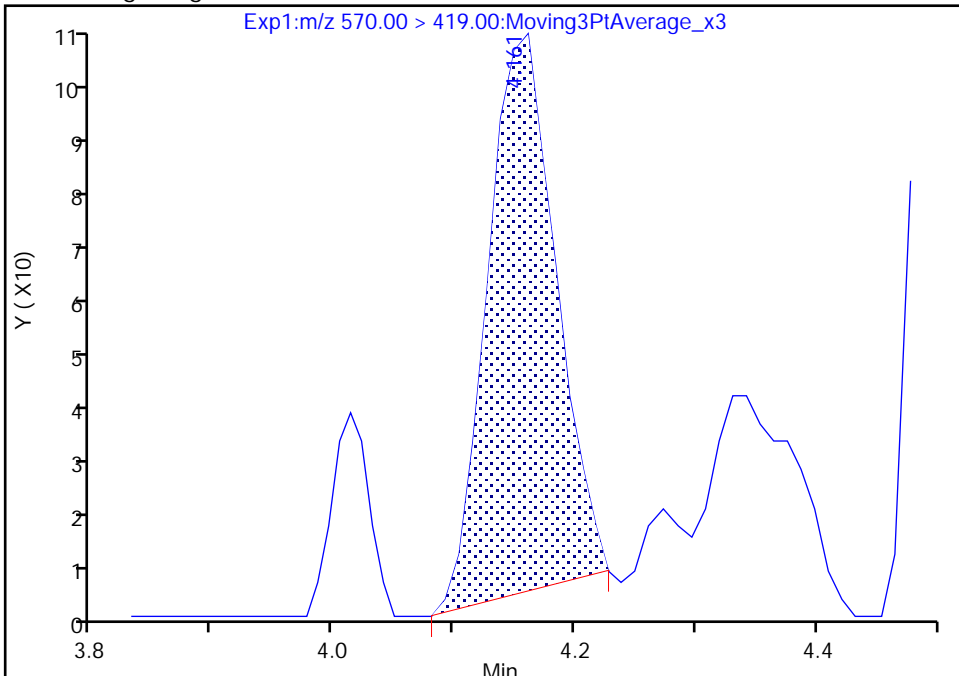
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A04.d
Injection Date: 02-Dec-2022 12:33:14 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

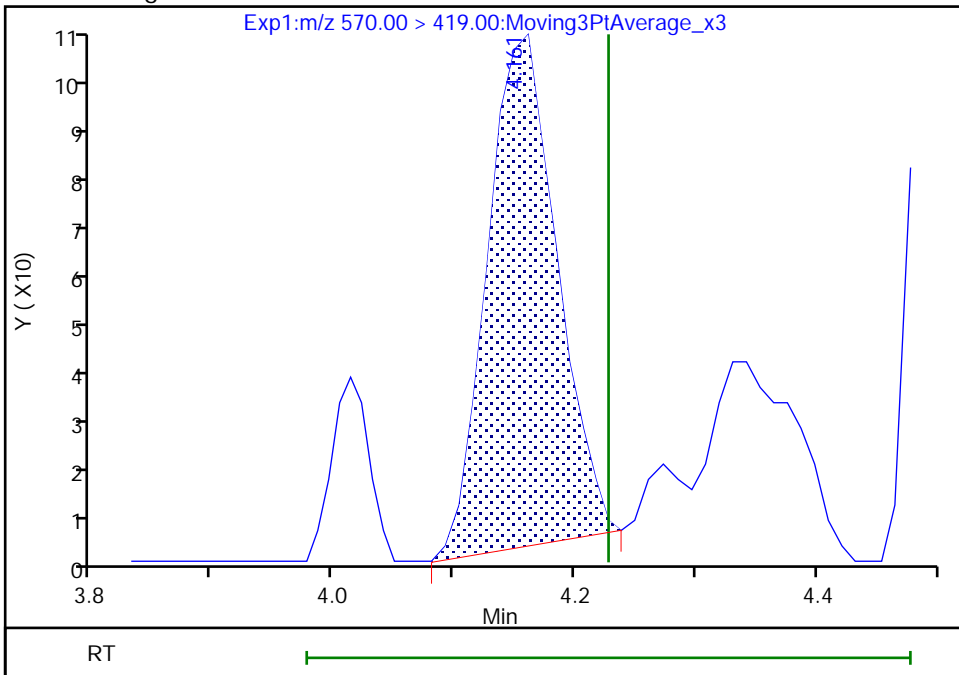
RT: 4.16
Area: 389
Amount: -0.010572
Amount Units: ng/ml

Processing Integration Results



RT: 4.16
Area: 400
Amount: -0.010542
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:37:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

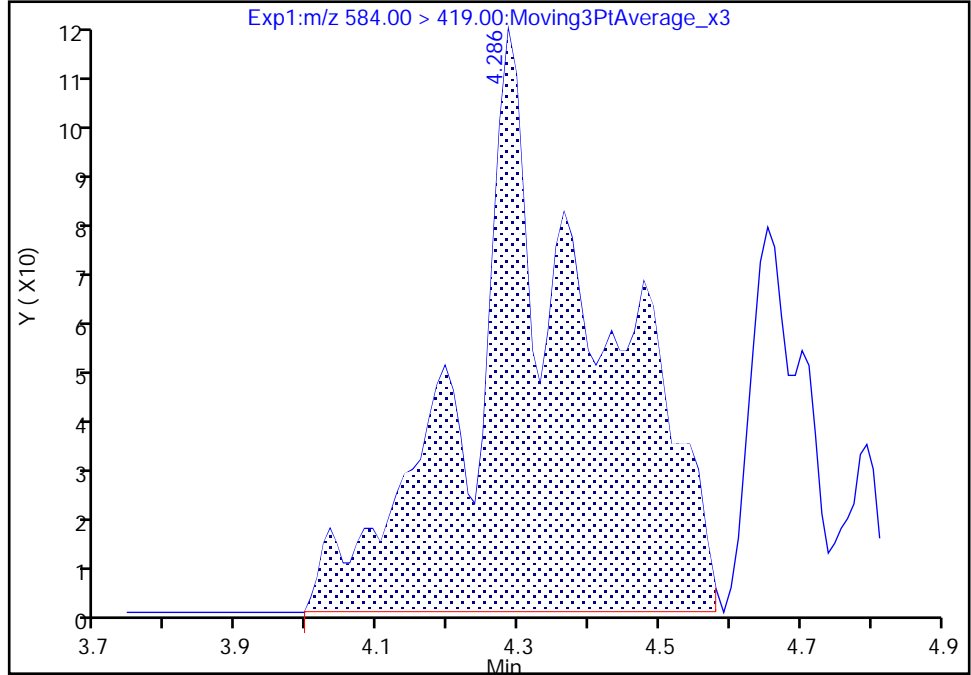
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A04.d
Injection Date: 02-Dec-2022 12:33:14 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

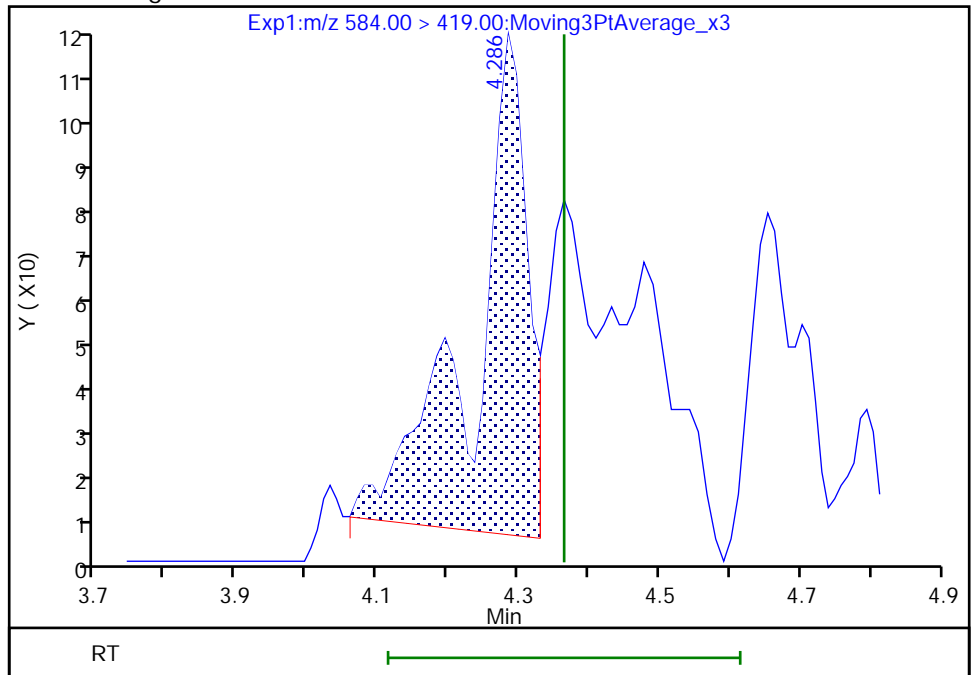
RT: 4.29
Area: 1514
Amount: 0.003734
Amount Units: ng/ml

Processing Integration Results



RT: 4.29
Area: 595
Amount: 0.001467
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:37:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 734 of 939

Eurofins Burlington

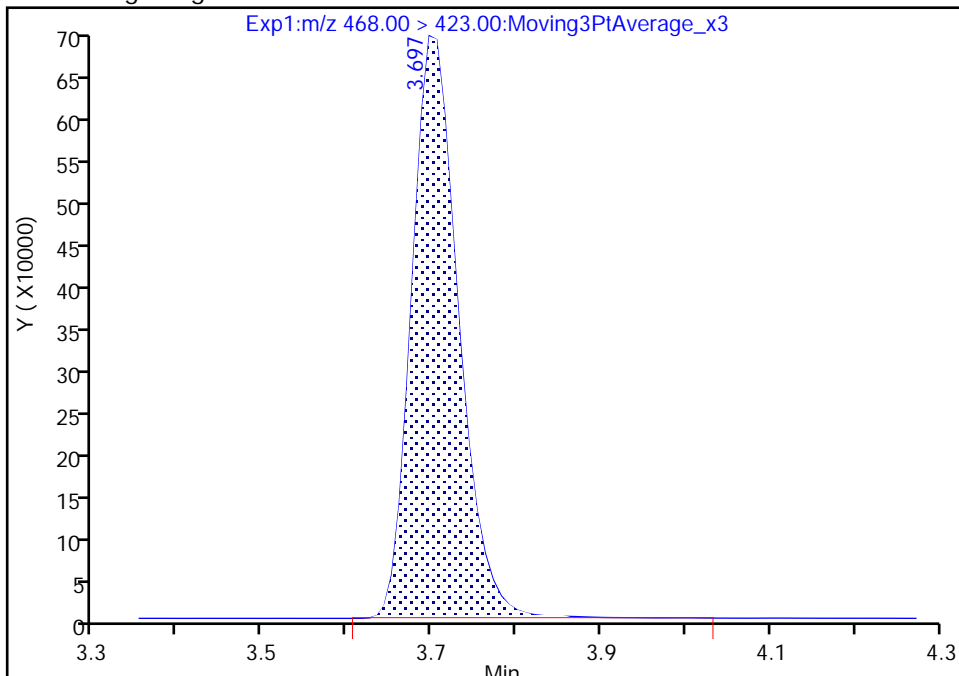
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A04.d
Injection Date: 02-Dec-2022 12:33:14 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

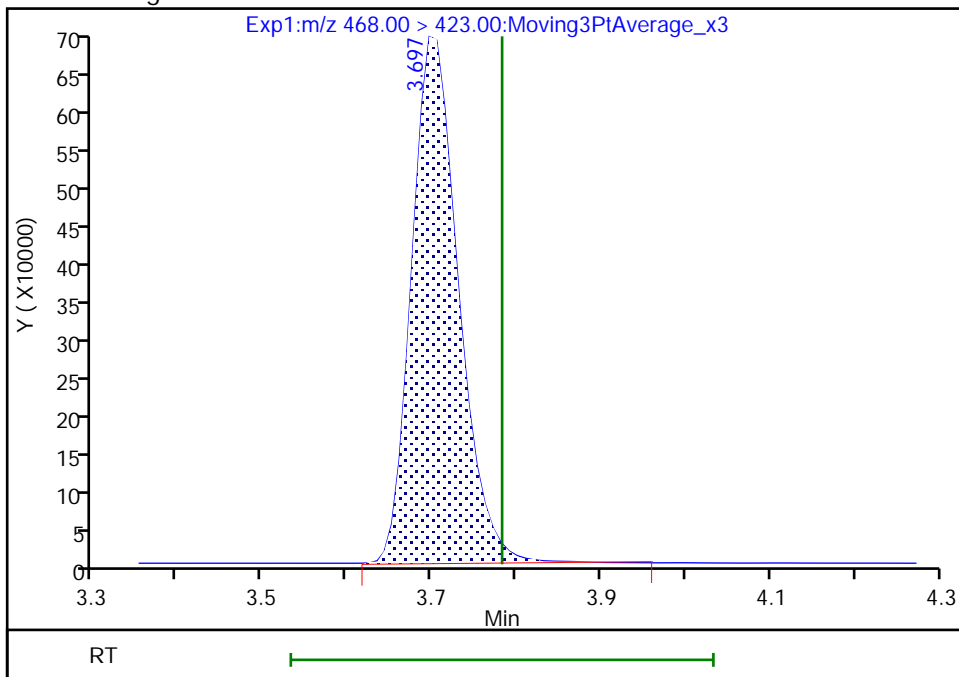
RT: 3.70
Area: 2670562
Amount: 1.333694
Amount Units: ng/ml

Processing Integration Results



RT: 3.70
Area: 2665960
Amount: 1.332250
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:29:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 735 of 939

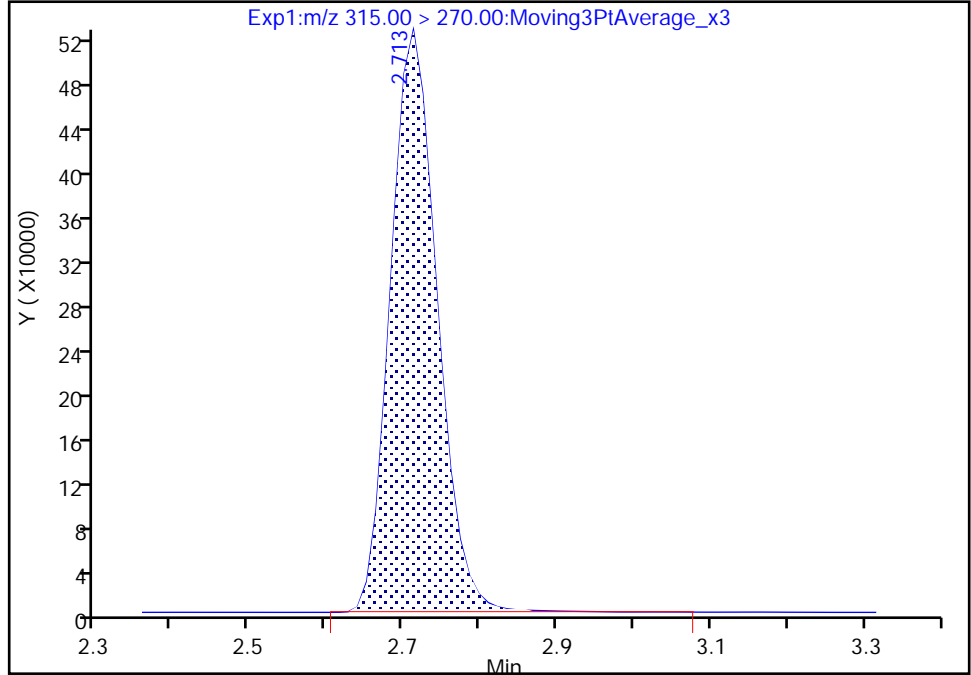
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A04.d
Injection Date: 02-Dec-2022 12:33:14 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 7 13C2 PFHxA, CAS: STL00993
Signal: 1

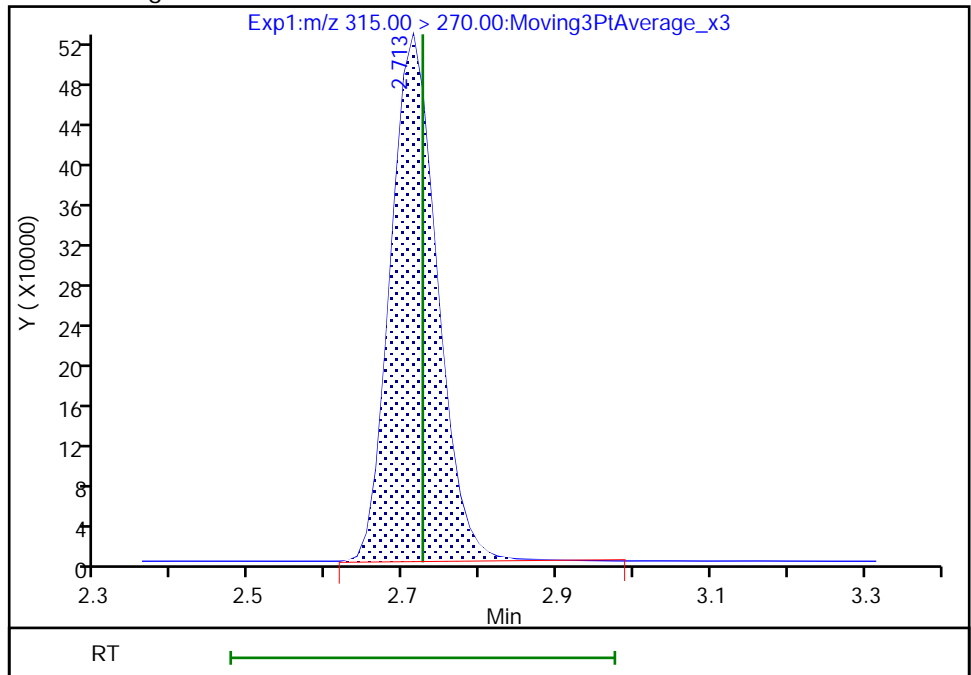
RT: 2.71
Area: 2214256
Amount: 1.242595
Amount Units: ng/ml

Processing Integration Results



RT: 2.71
Area: 2212022
Amount: 1.242138
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:28:48
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 736 of 939

Eurofins Burlington

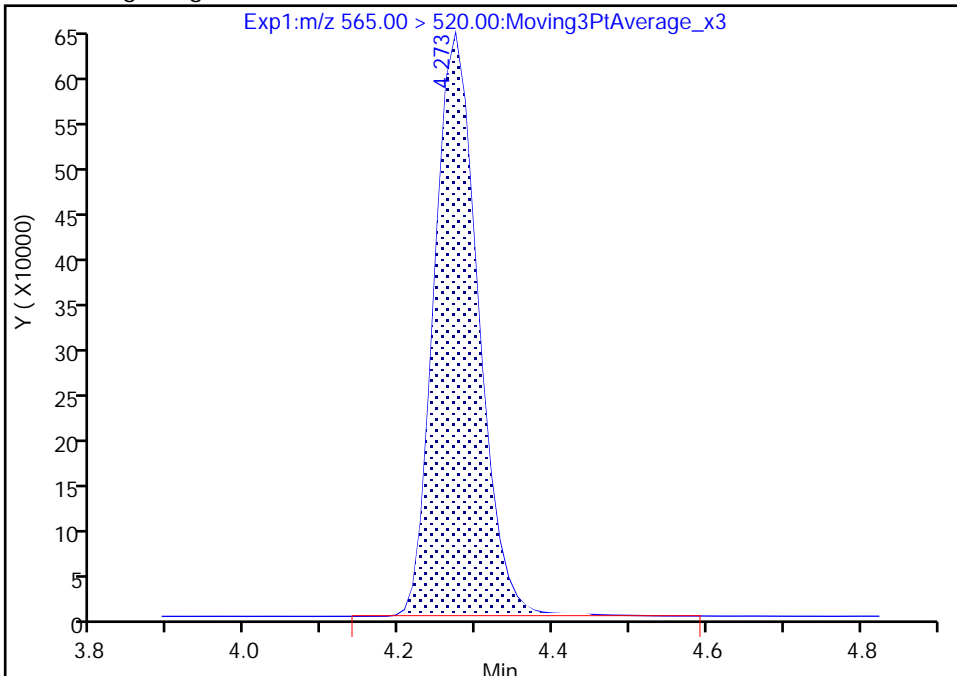
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A04.d
Injection Date: 02-Dec-2022 12:33:14 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

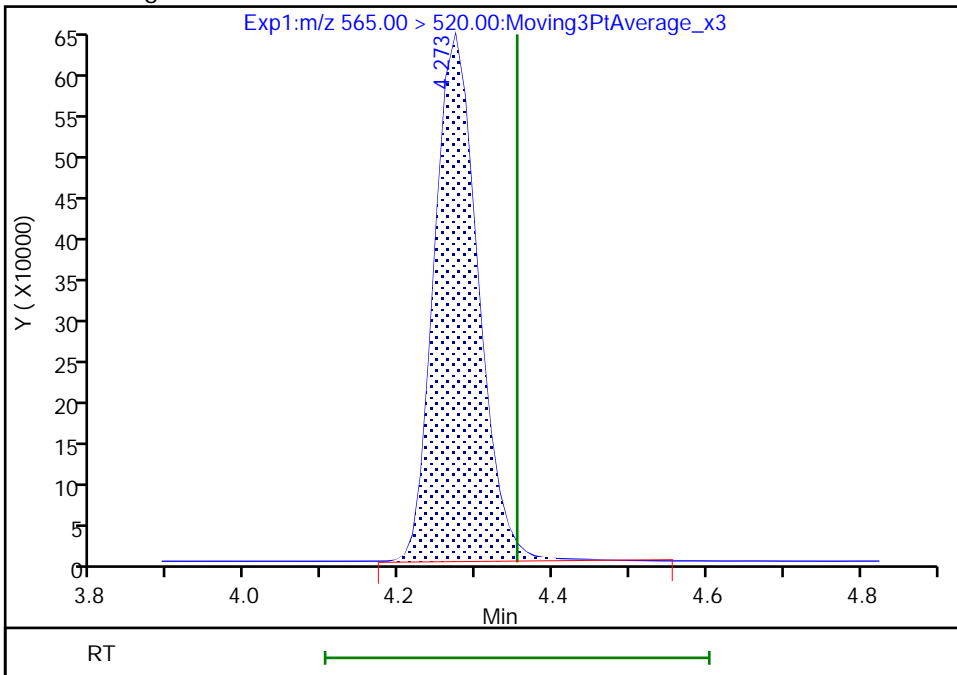
RT: 4.27
Area: 2557655
Amount: 1.368857
Amount Units: ng/ml

Processing Integration Results



RT: 4.27
Area: 2555957
Amount: 1.368825
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:29:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 737 of 939

Eurofins Burlington

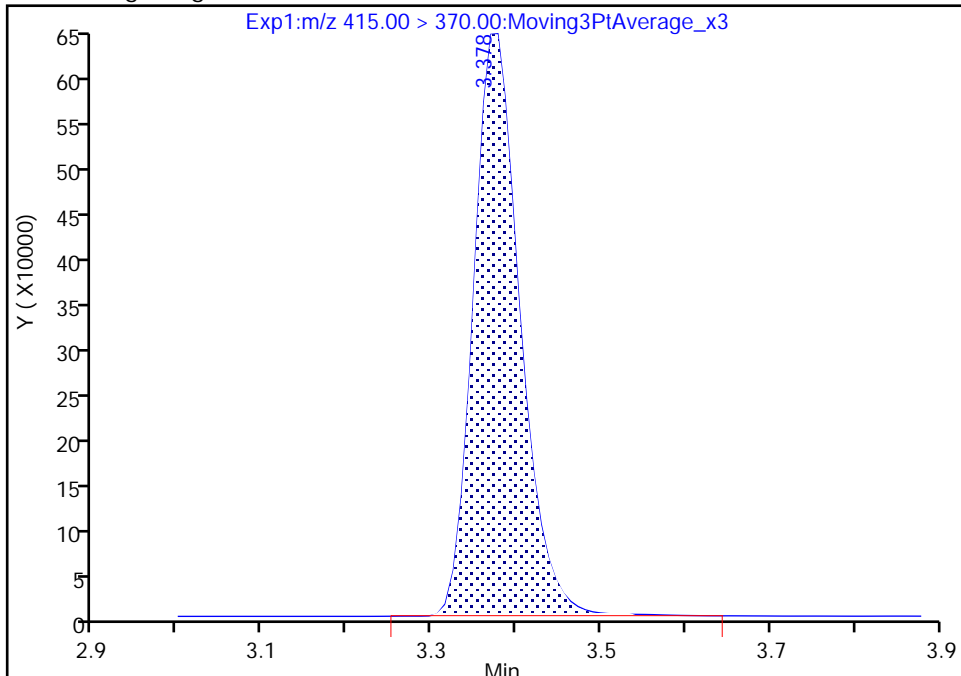
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A04.d
Injection Date: 02-Dec-2022 12:33:14 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

* 62 13C2 PFOA, CAS: STL00623

Signal: 1

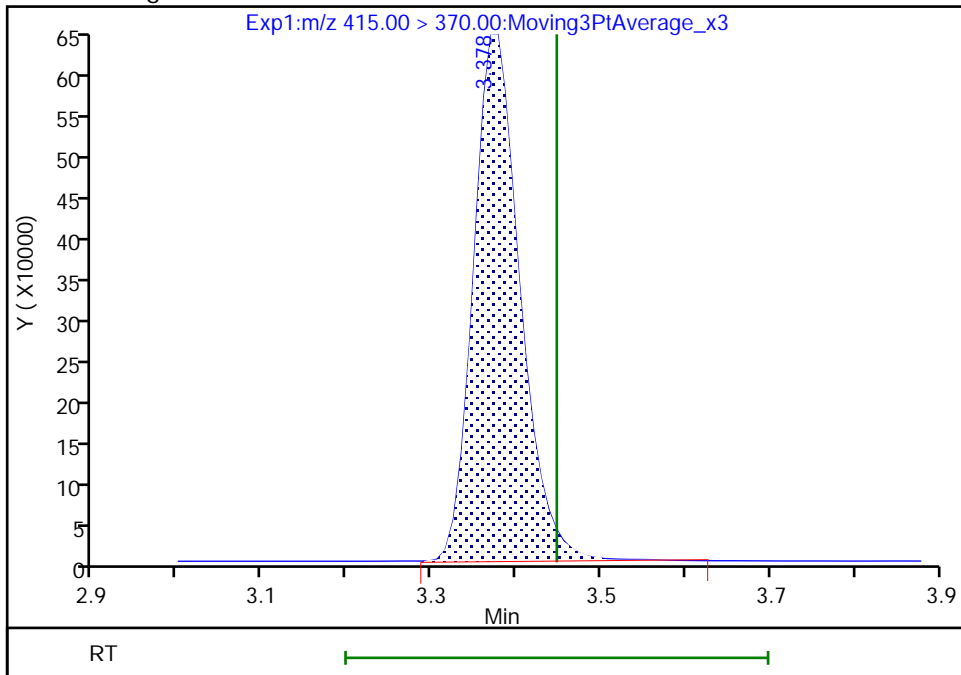
RT: 3.38
Area: 2488519
Amount: 1.250000
Amount Units: ng/ml

Processing Integration Results



RT: 3.38
Area: 2486924
Amount: 1.250000
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:29:37
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 738 of 939

Eurofins Burlington

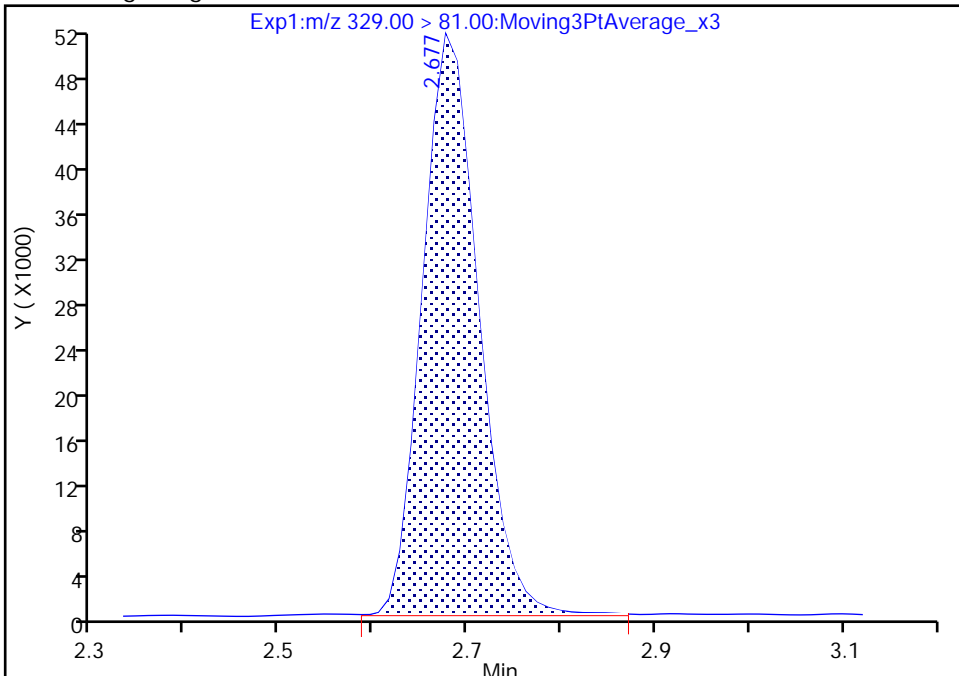
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A04.d
Injection Date: 02-Dec-2022 12:33:14 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 60 M2-4:2 FTS, CAS: STL02395

Signal: 1

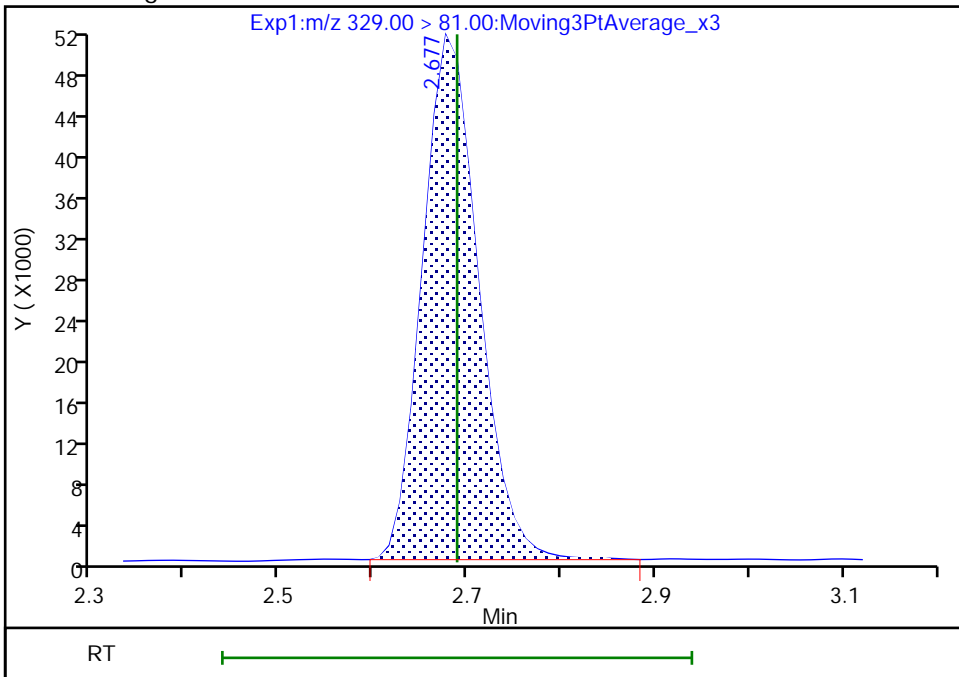
RT: 2.68
Area: 214872
Amount: 1.316043
Amount Units: ng/ml

Processing Integration Results



RT: 2.68
Area: 213704
Amount: 1.309729
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 10:28:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 739 of 939

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-270065-1
 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.: 460-270065-1
 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

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

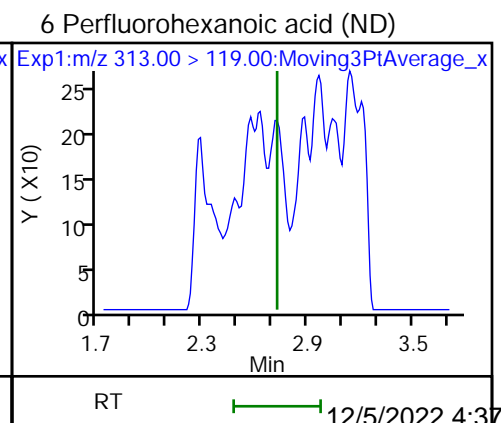
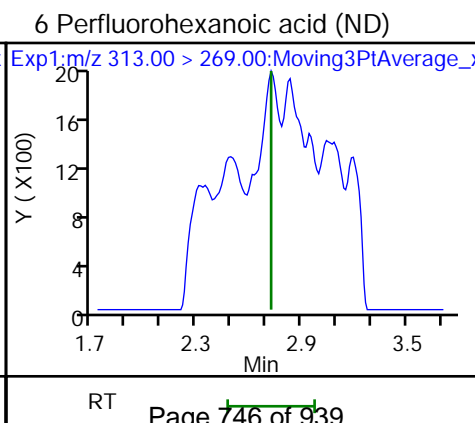
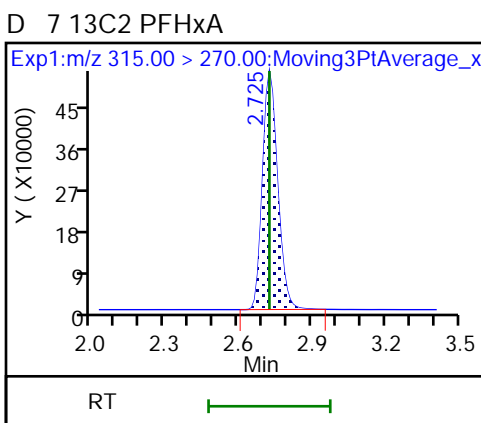
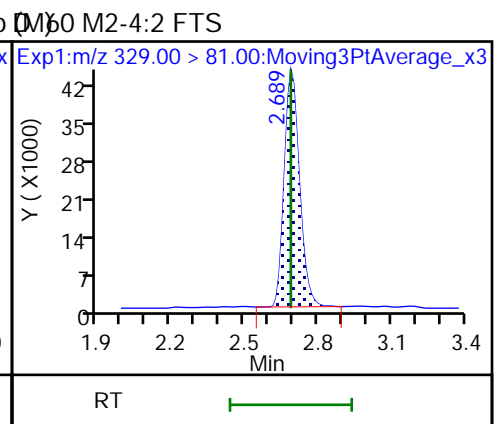
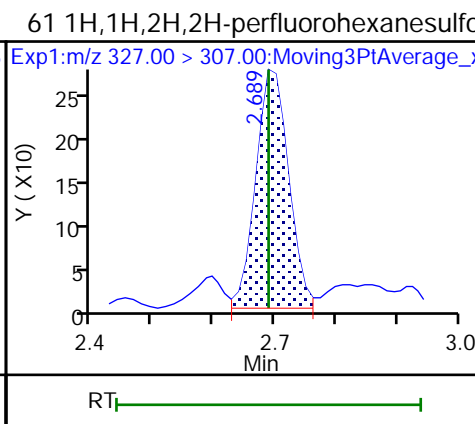
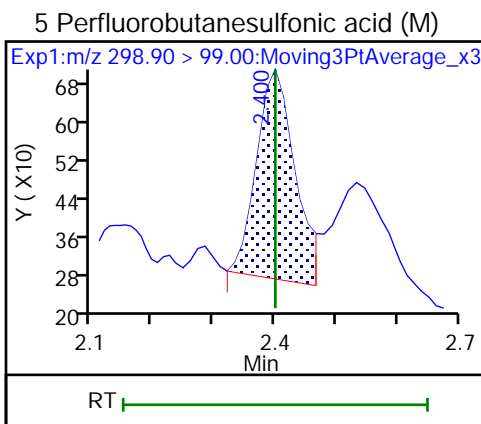
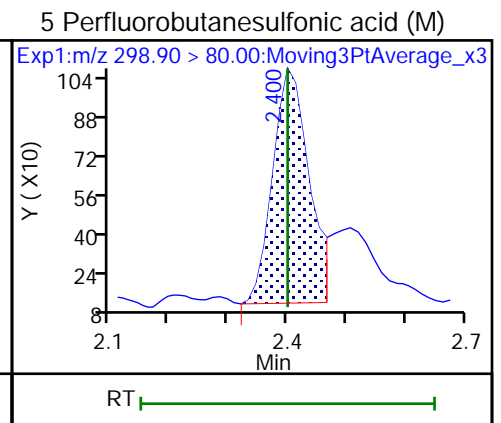
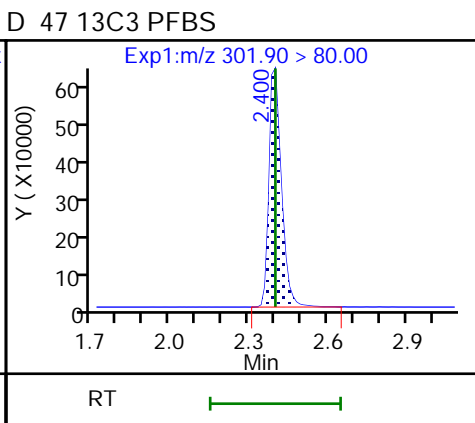
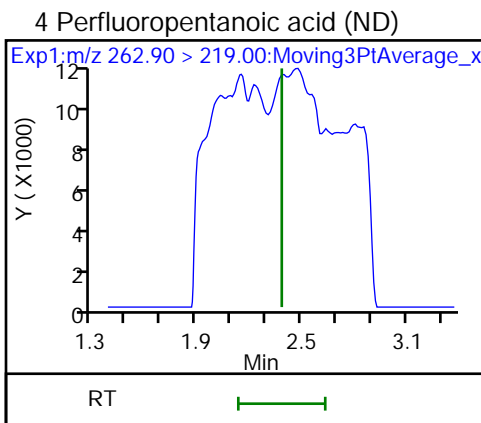
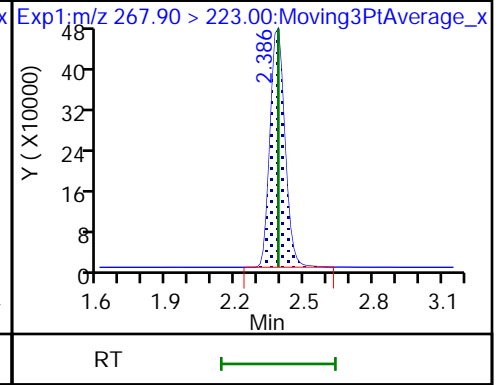
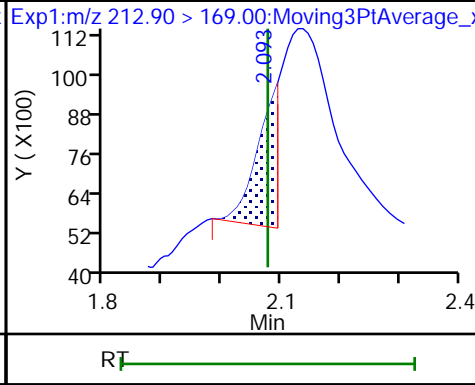
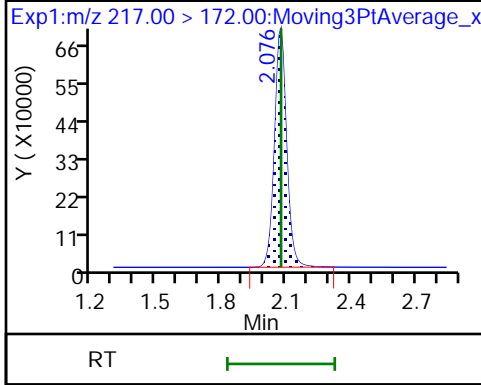
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

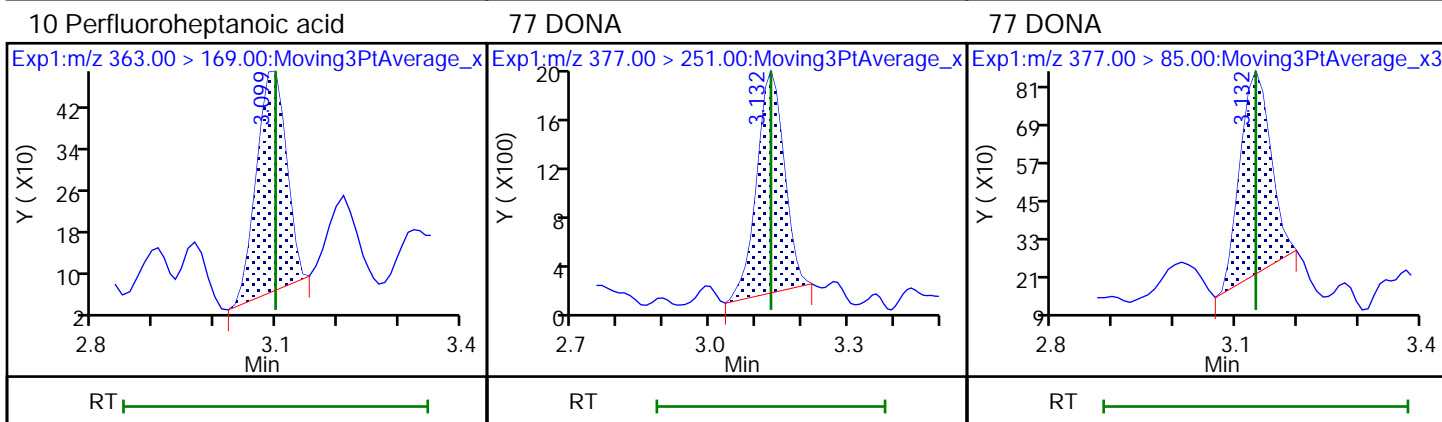
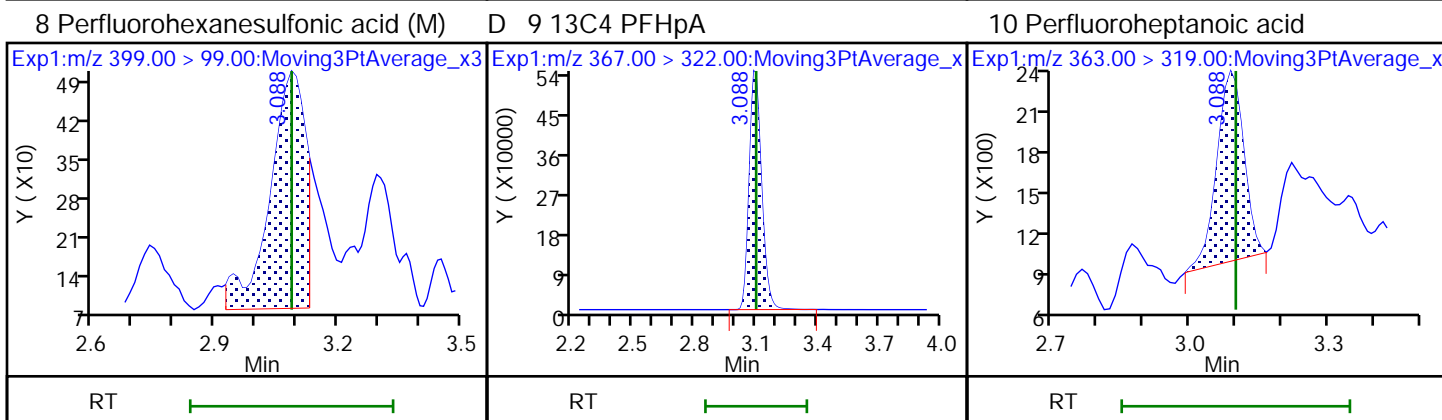
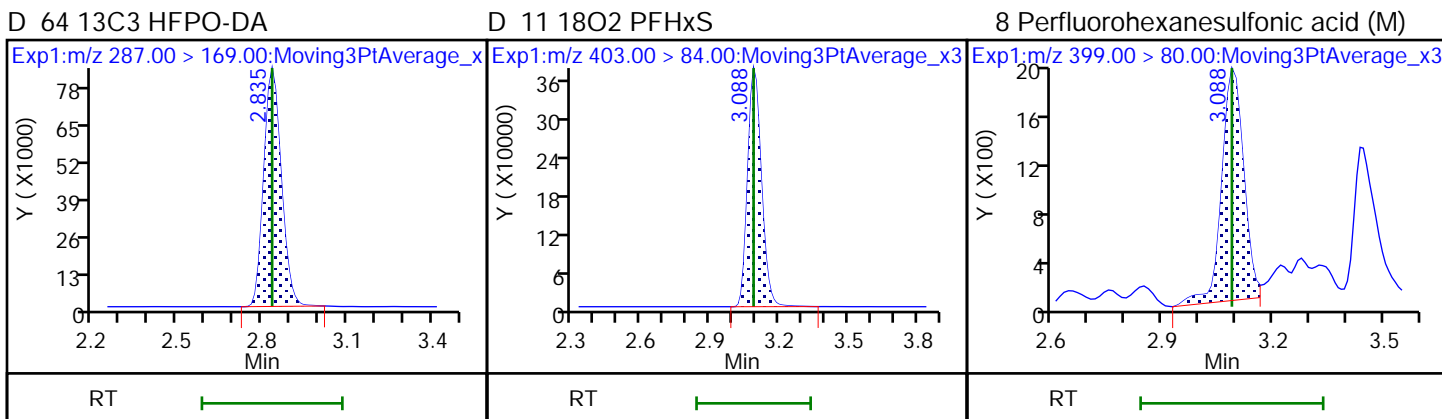
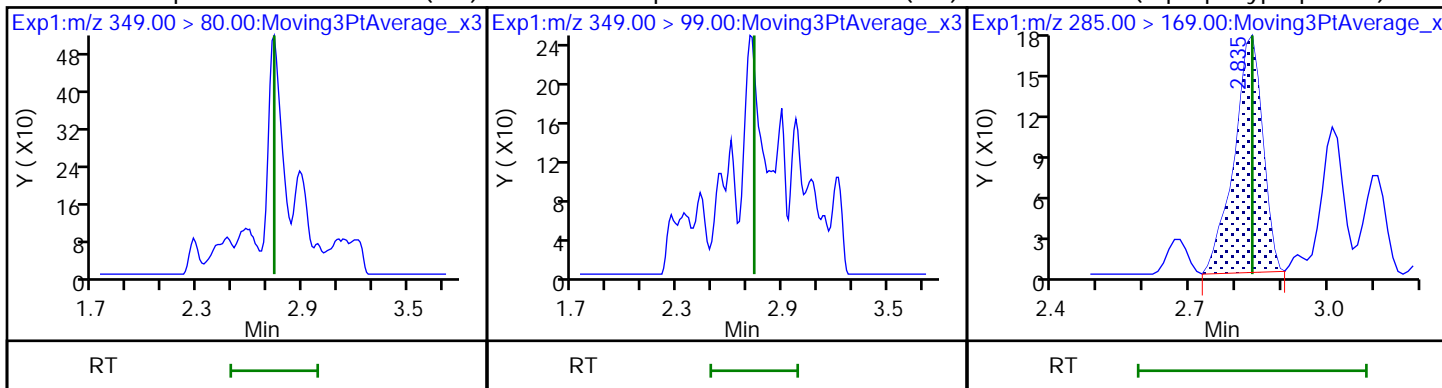
D 1 13C4 PFBA (M)

2 Perfluorobutanoic acid (M)

D 3 13C5 PFPeA



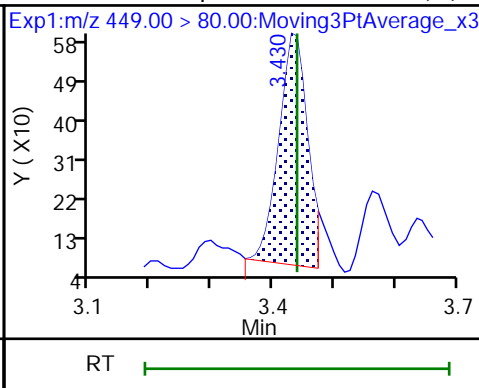
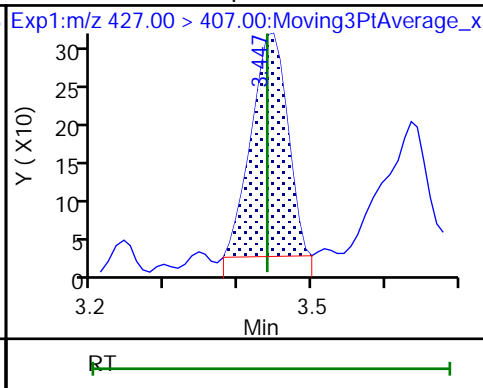
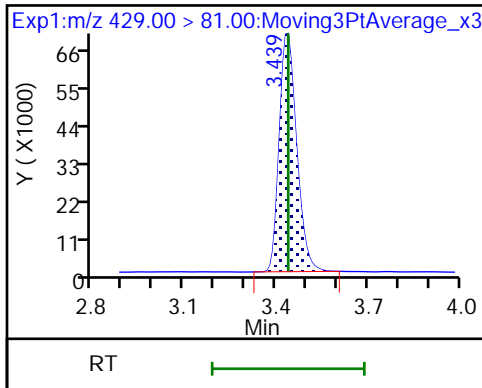
70 Perfluoropentanesulfonic acid (ND) 70 Perfluoropentanesulfonic acid (ND) 67 Perfluoro(2-propoxypropanoic) ac



D 12 M2-6:2 FTS

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

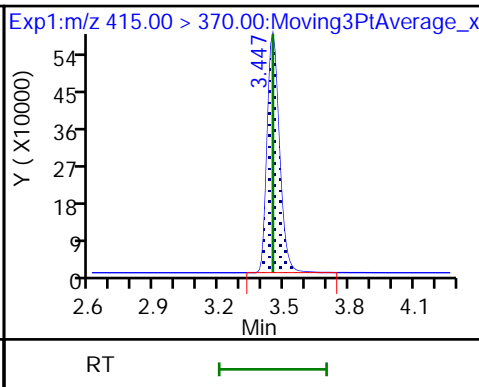
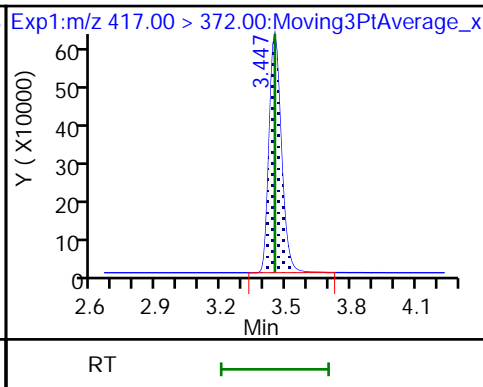
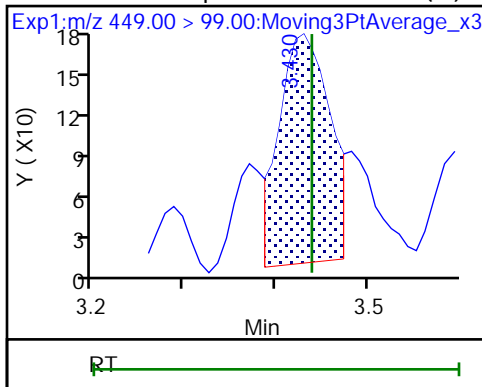
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

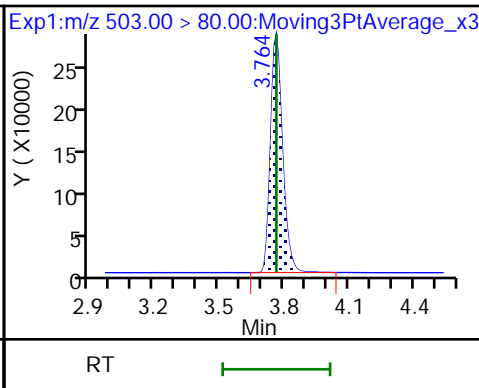
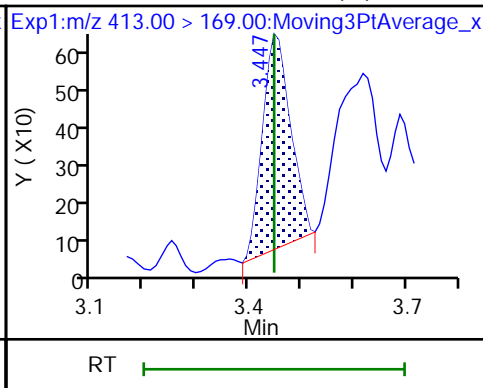
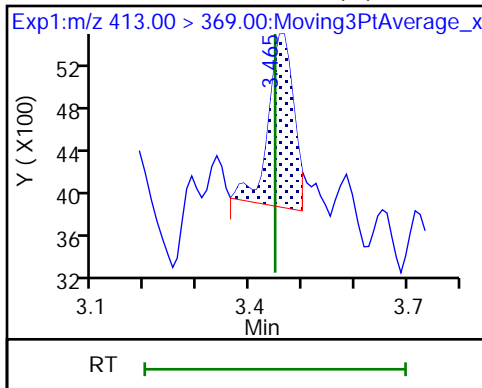
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

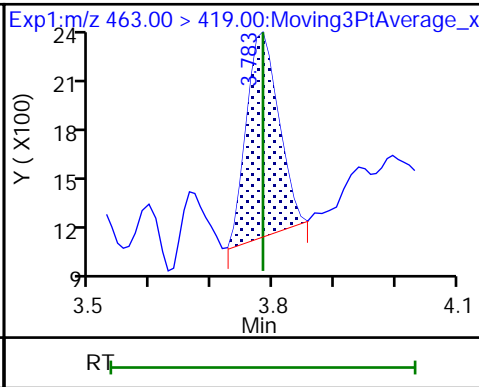
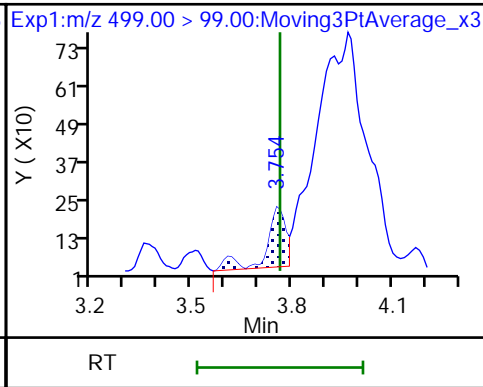
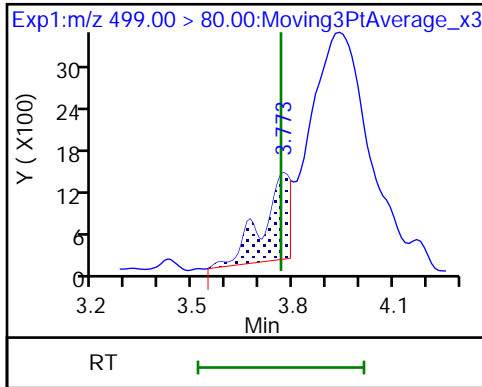
D 18 13C4 PFOS

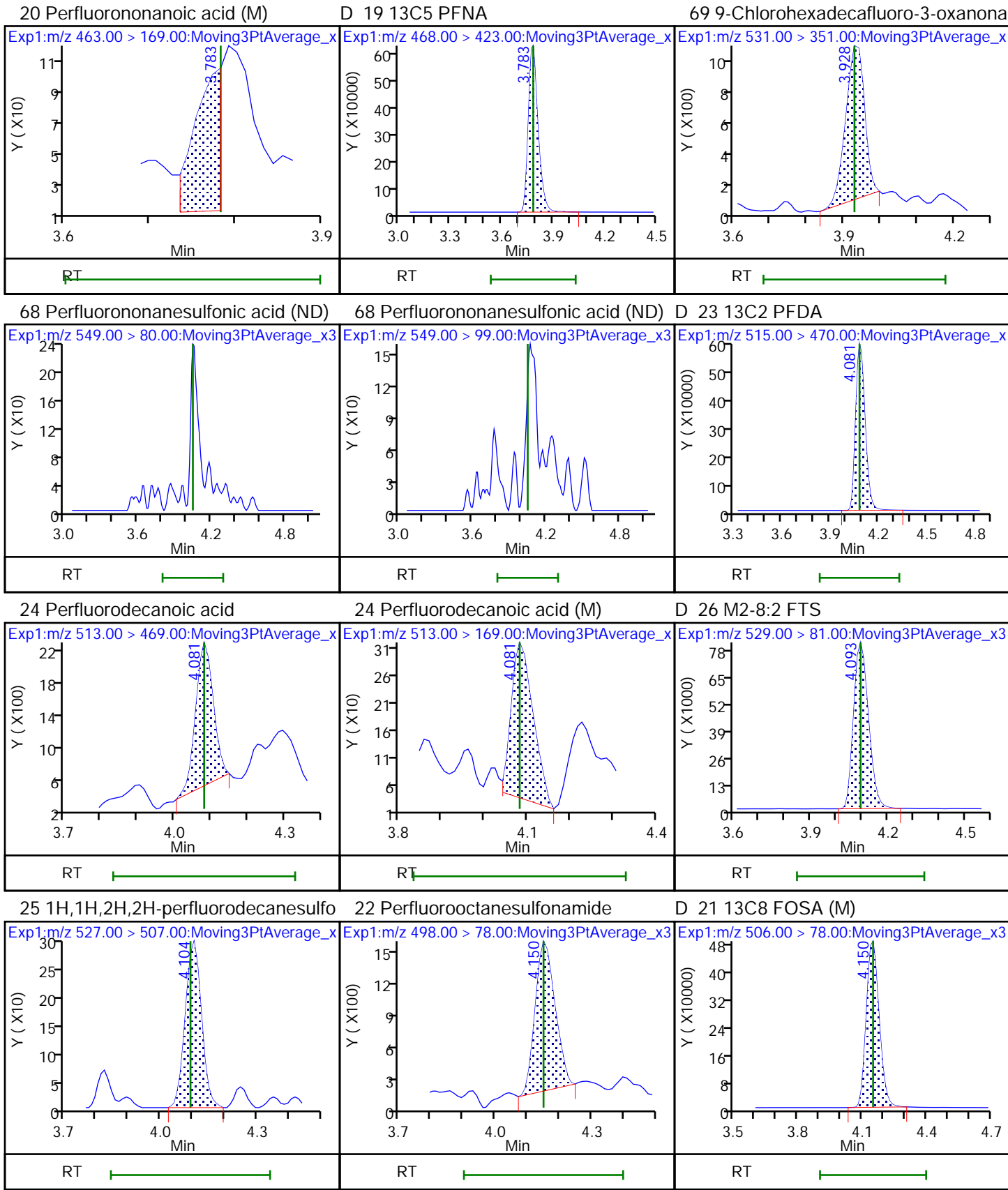


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

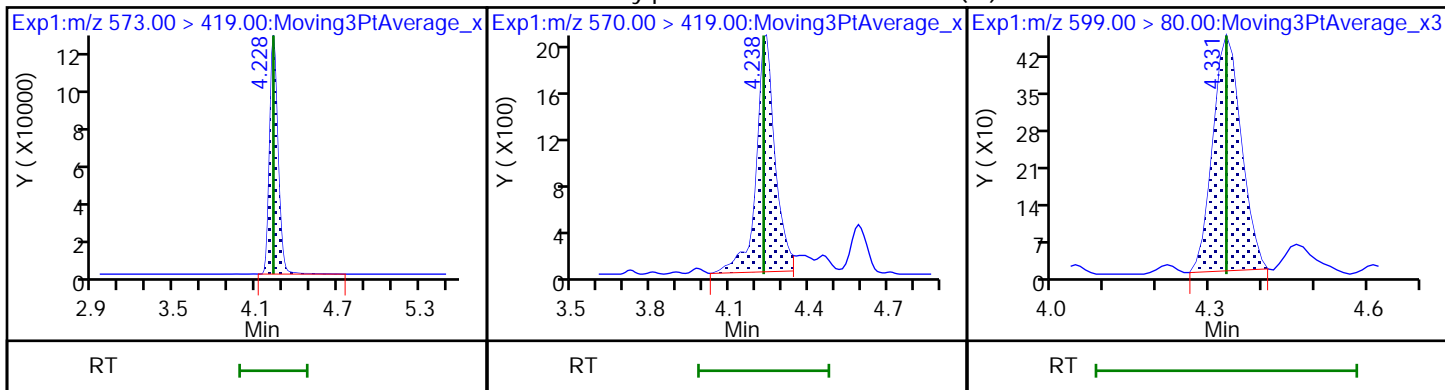
20 Perfluorononanoic acid (M)





D 27 d3-NMeFOSAA

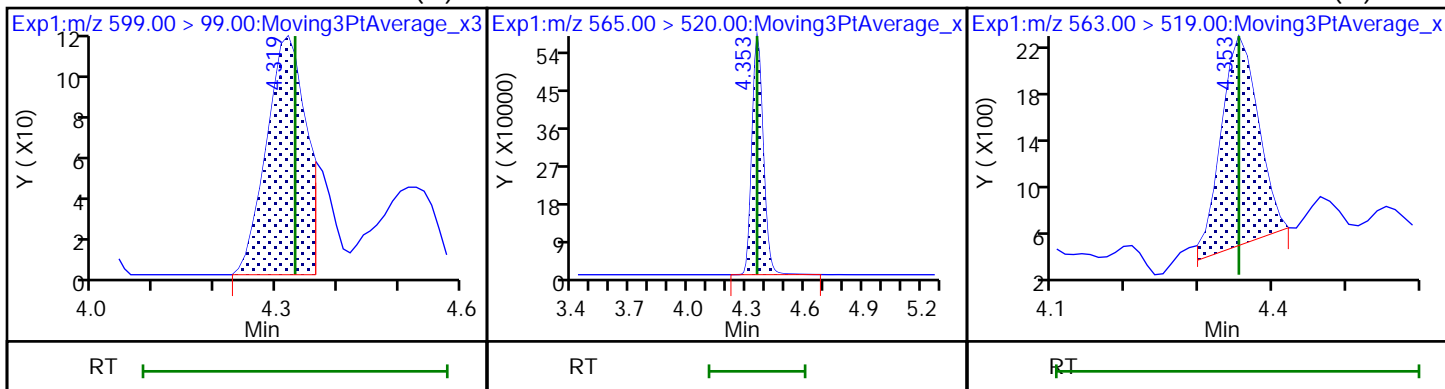
28 N-methylperfluorooctanesulfonami (M) 29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUoA

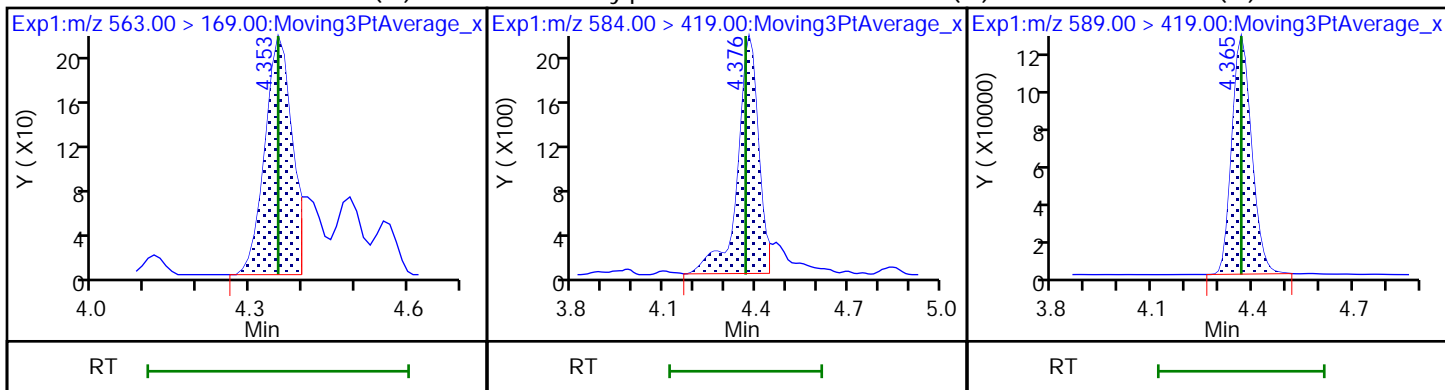
31 Perfluoroundecanoic acid (M)



31 Perfluoroundecanoic acid (M)

33 N-ethylperfluorooctanesulfonamid (M)

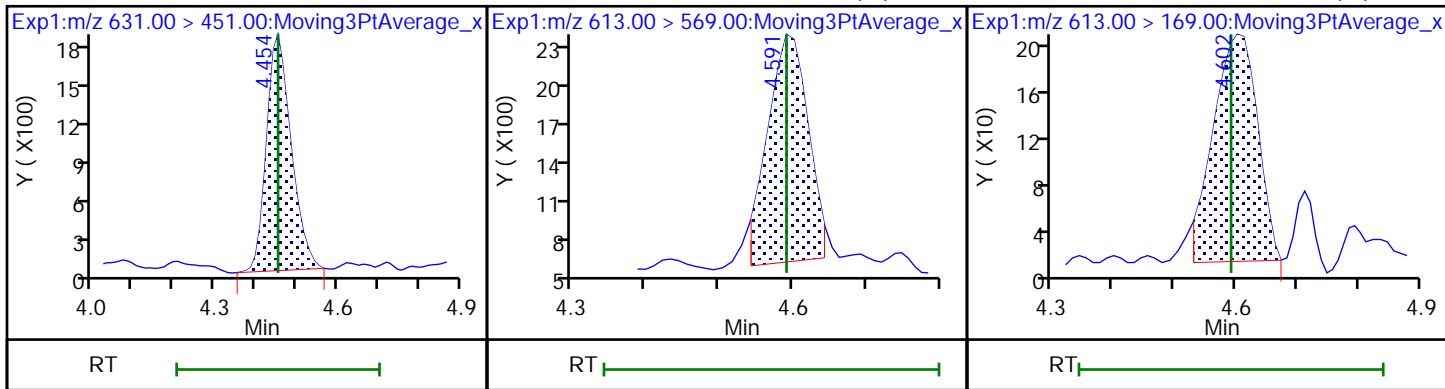
32 d5-NEtFOSAA (M)



66 11-Chloroeicosafluoro-3-oxaundec

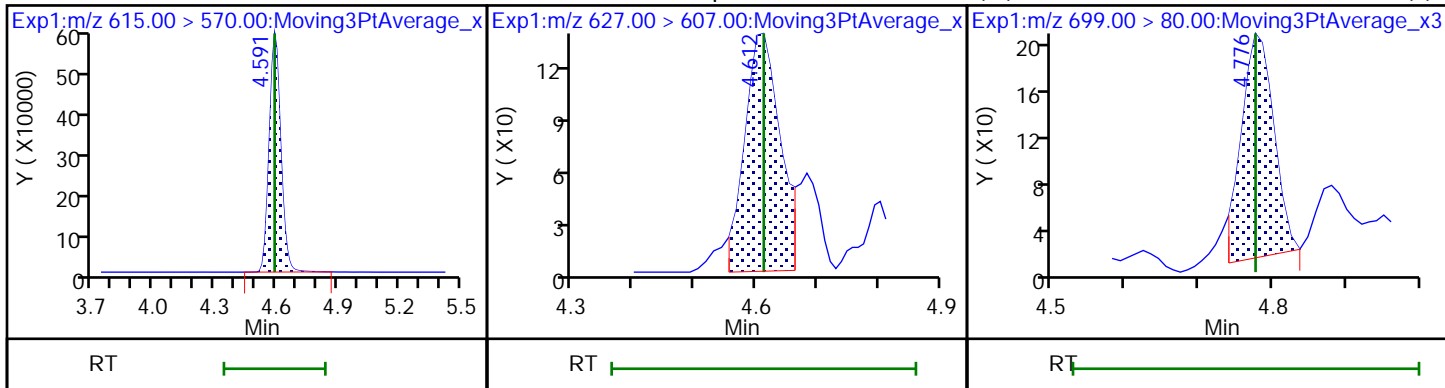
37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid (M)



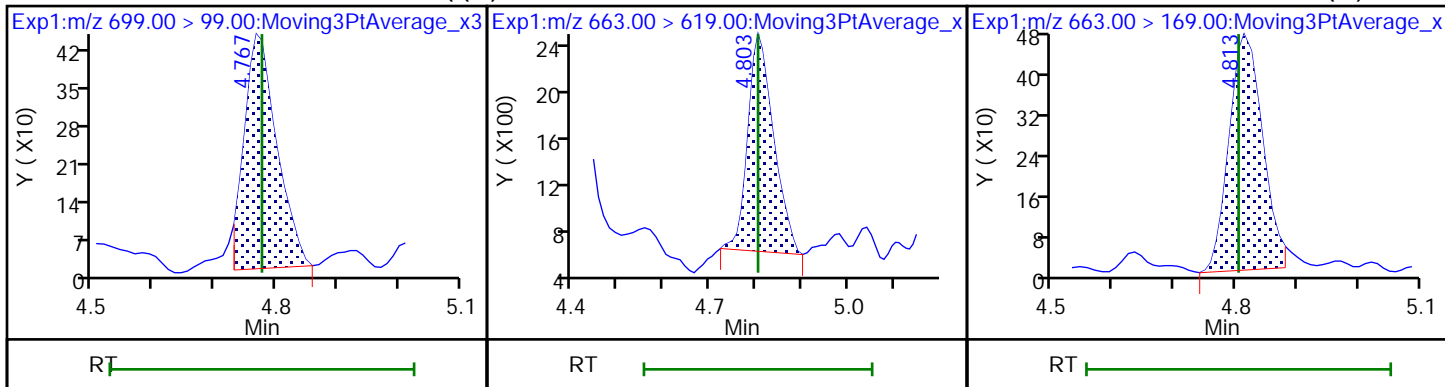
D 36 13C2 PFDoA

74 1H,1H,2H,2H-perfluorododecanesul (M) Perfluorododecanesulfonic acid ((M)



75 Perfluorododecanesulfonic acid ((M) 41 Perfluorotridecanoic acid

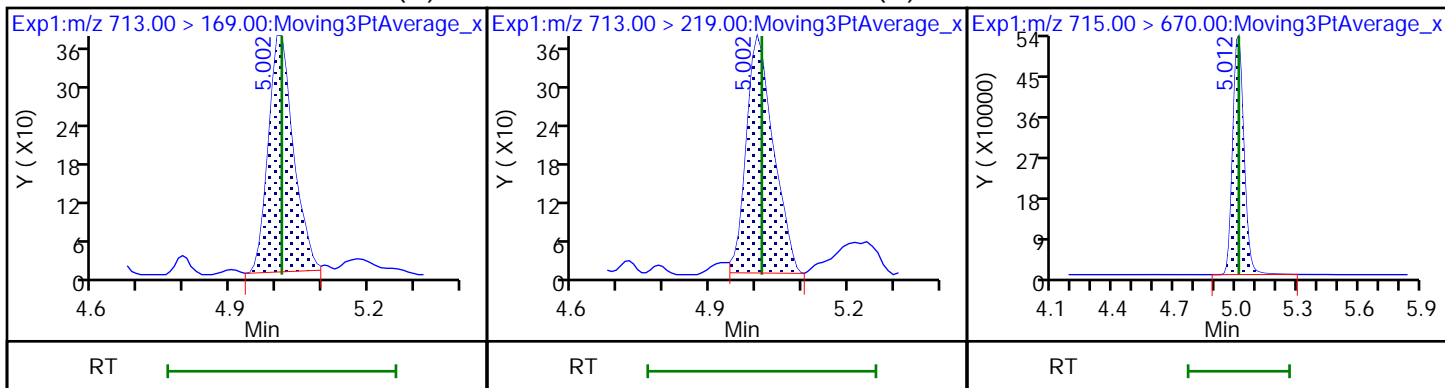
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

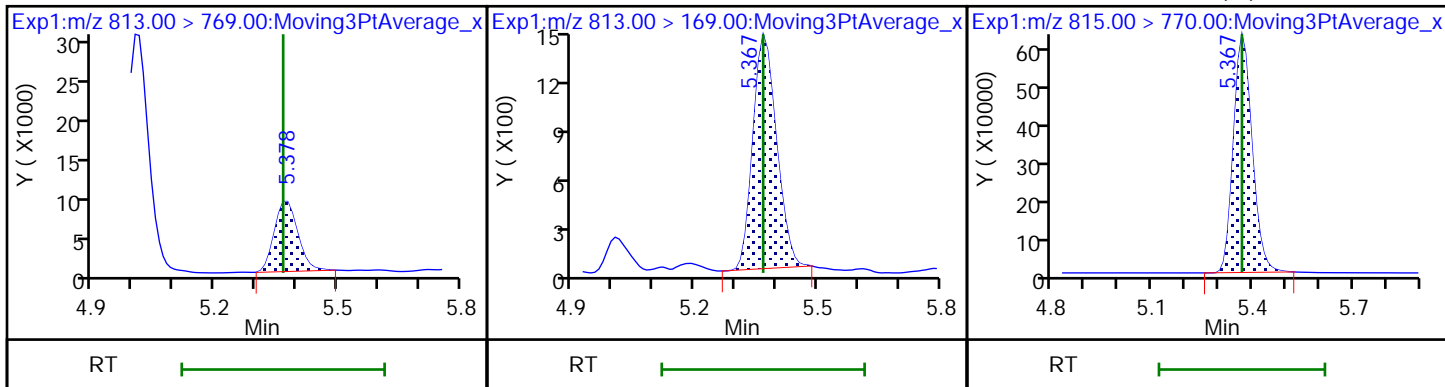
D 43 13C2 PFTeDA



45 Perfluorohexadecanoic acid

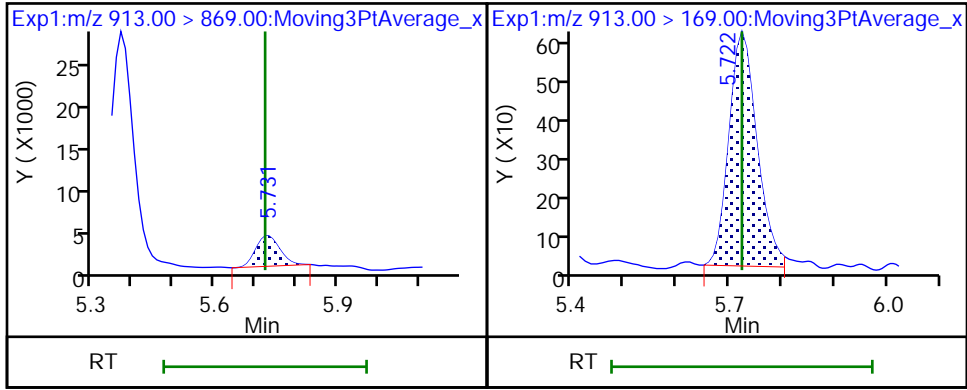
45 Perfluorohexadecanoic acid

D 44 13C2 PFHxDA (M)



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

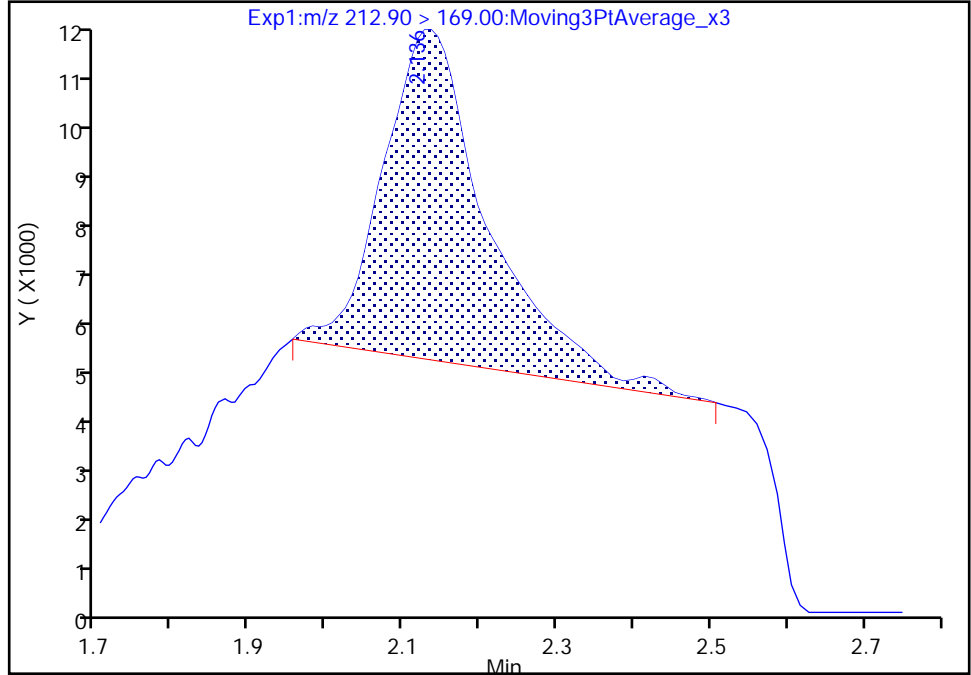
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

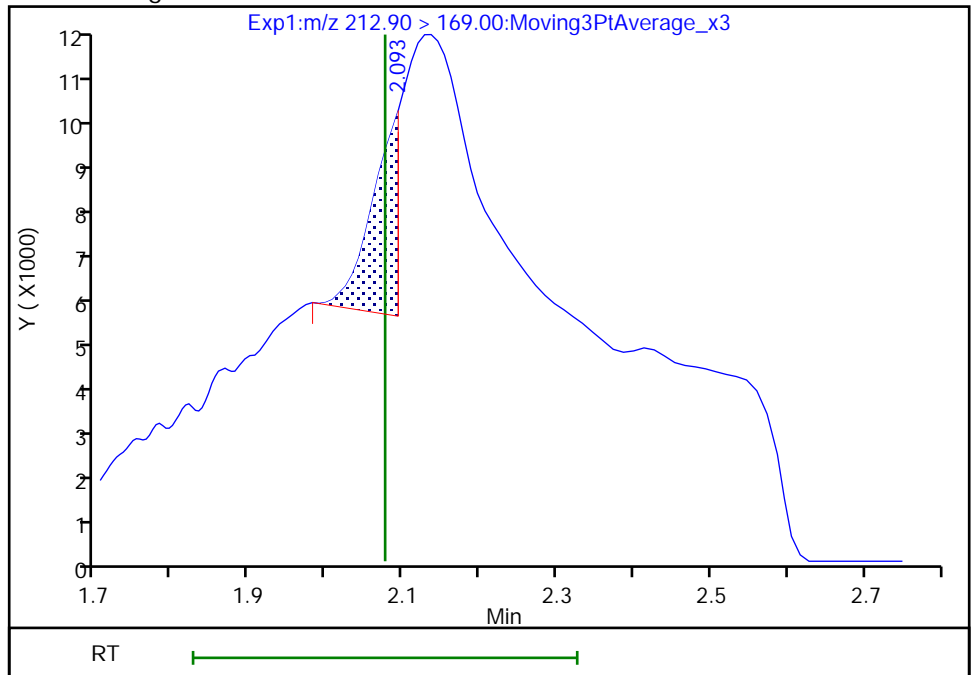
RT: 2.14
Area: 60893
Amount: 0.027432
Amount Units: ng/ml

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
Page 753 of 939

Eurofins Burlington

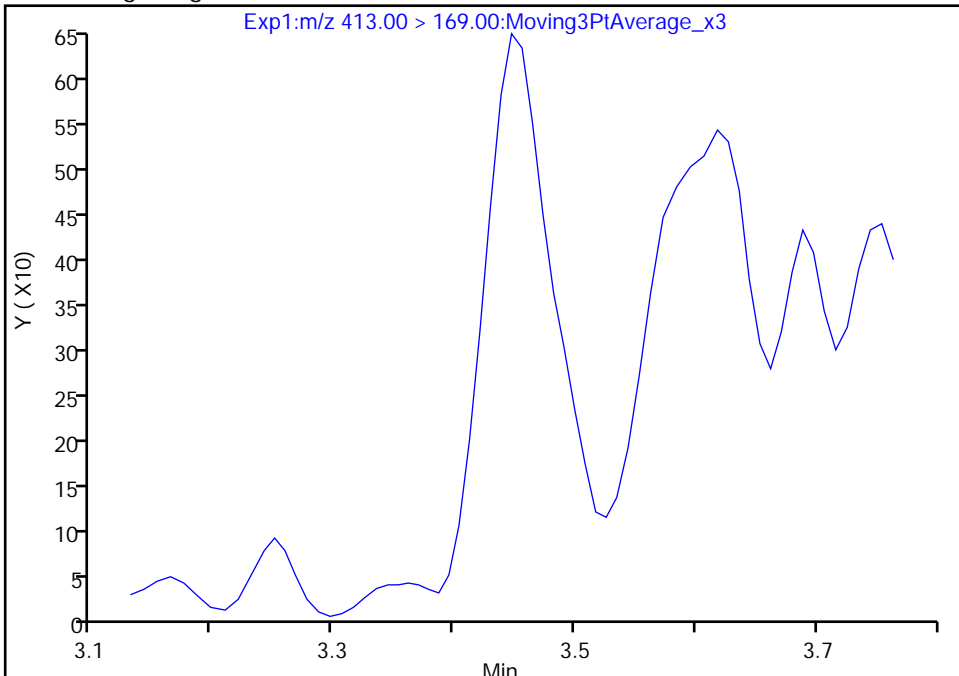
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

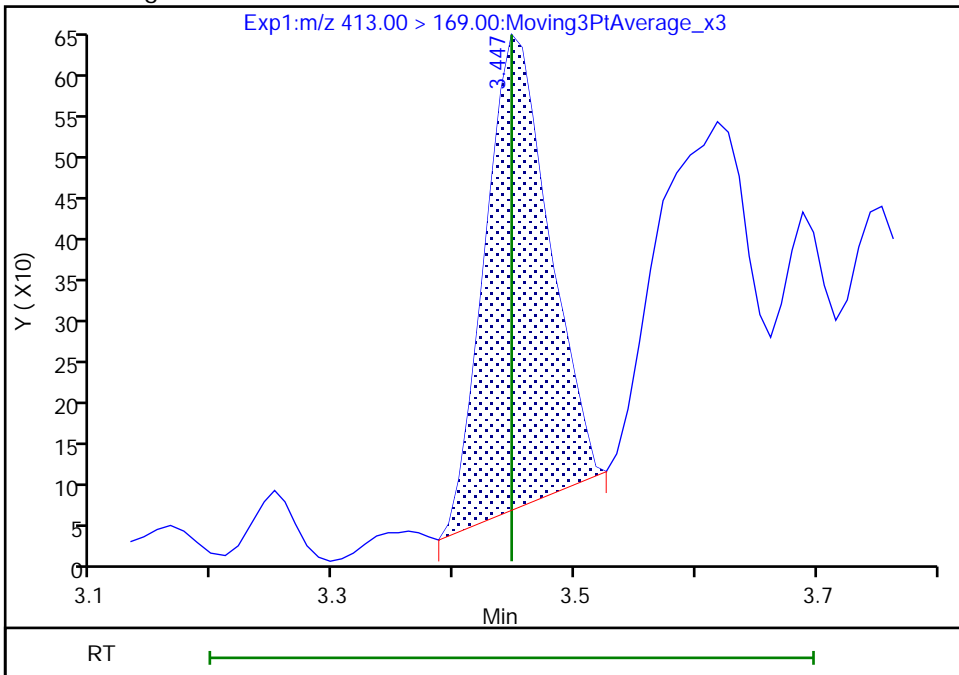
Not Detected
Expected RT: 3.45

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
Page 754 of 939

Eurofins Burlington

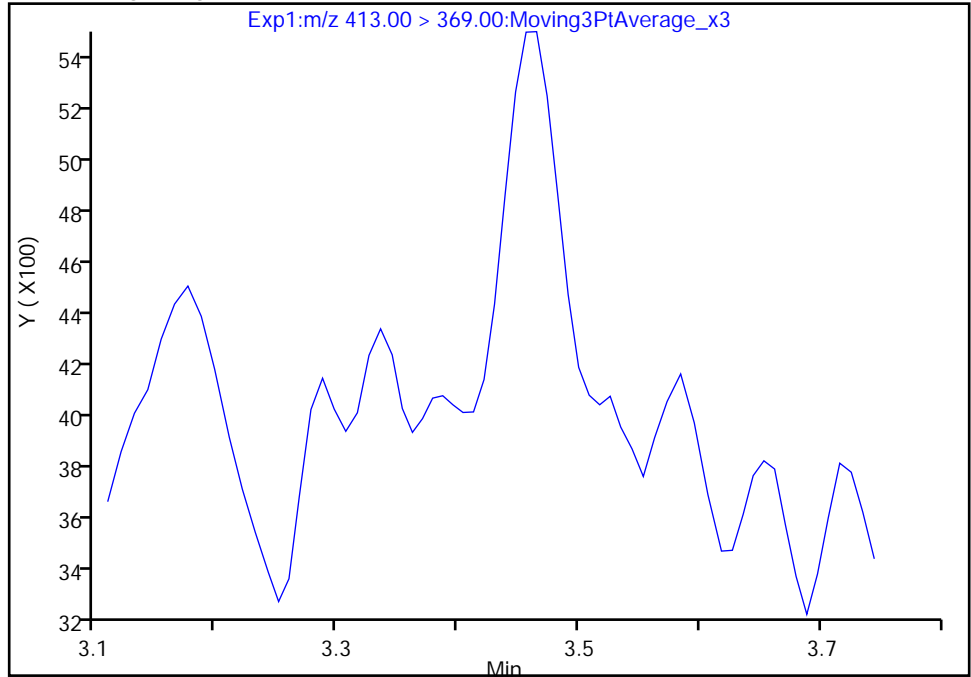
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

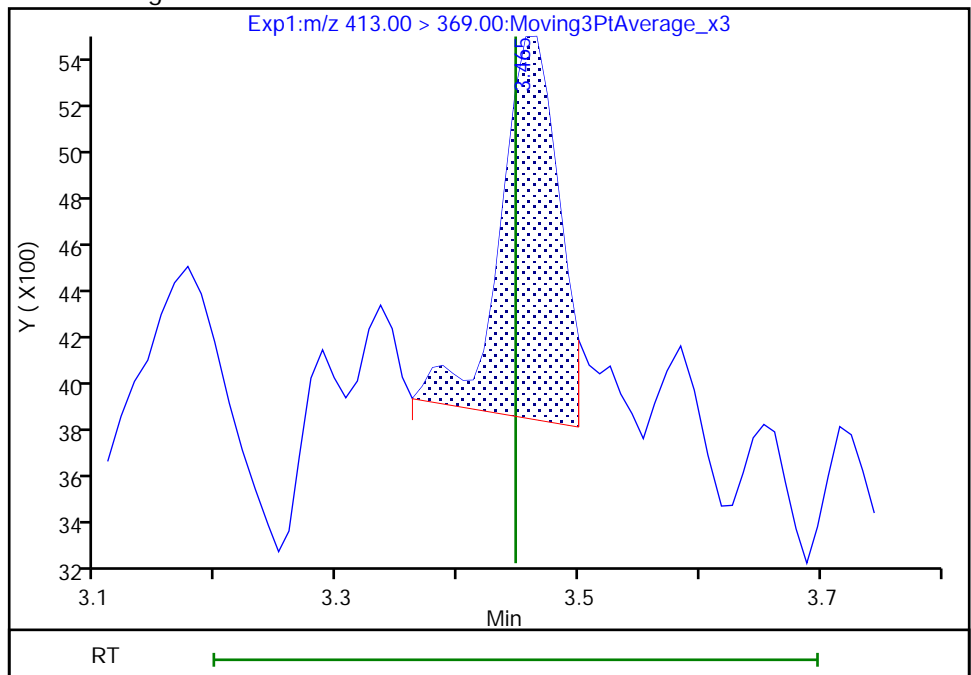
Not Detected
Expected RT: 3.45

Processing Integration Results



RT: 3.46
Area: 5314
Amount: 0.002512
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:22:40
Audit Action: Manually Integrated

Audit Reason: Missed Peak
Page 755 of 939

Eurofins Burlington

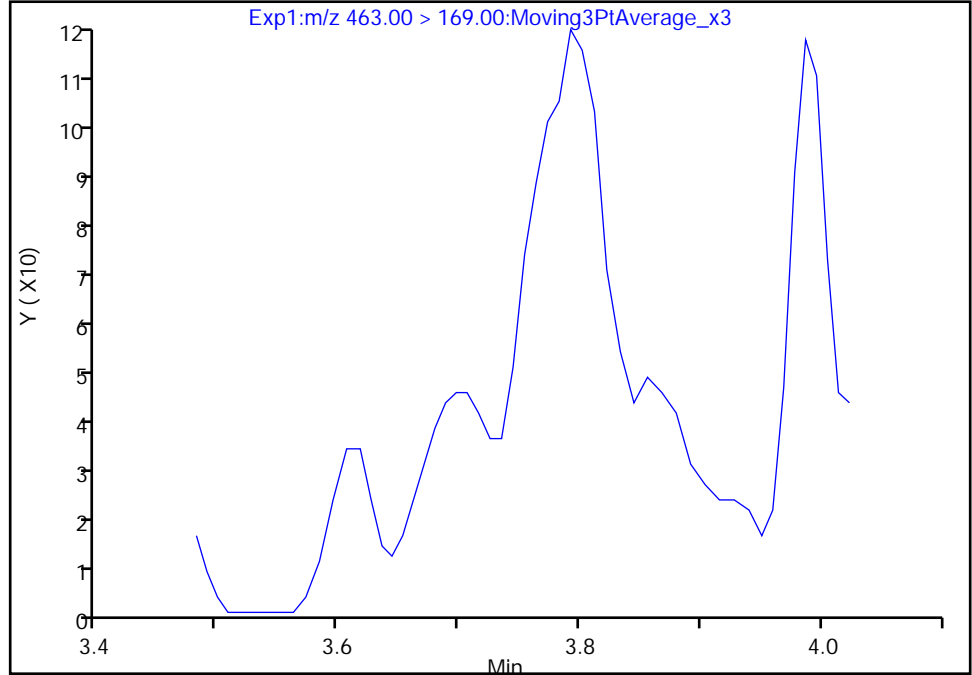
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

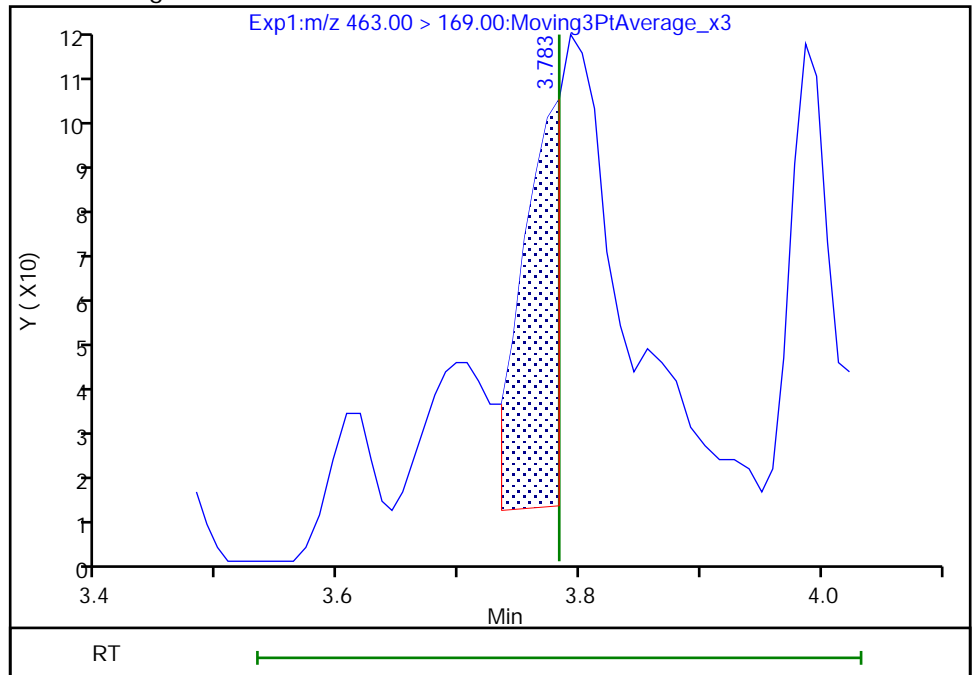
Not Detected
Expected RT: 3.78

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

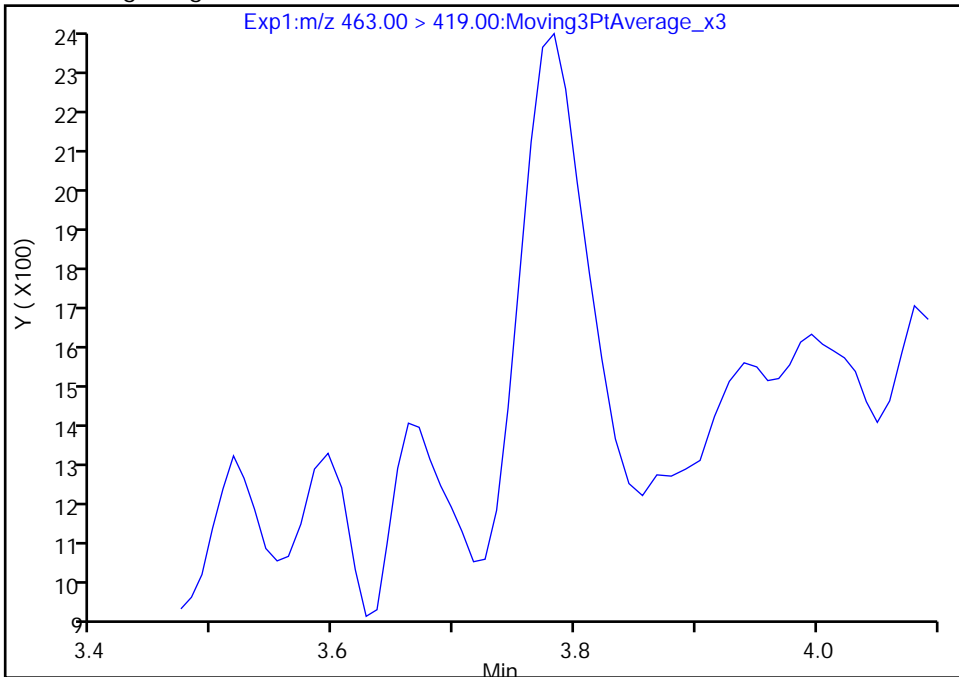
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

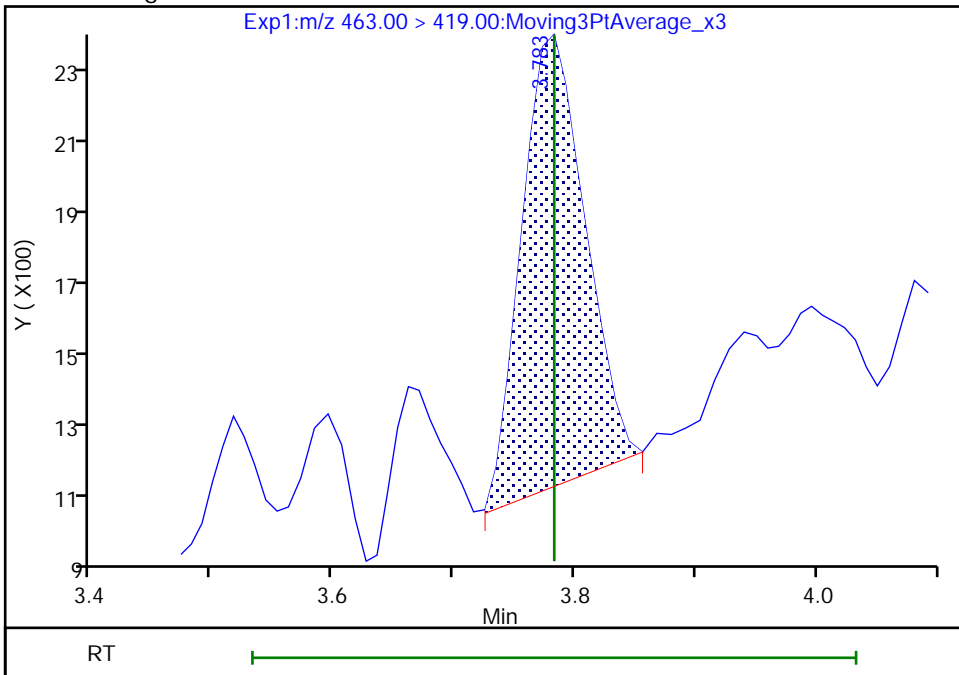
Not Detected
Expected RT: 3.78

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
Page 757 of 939

Eurofins Burlington

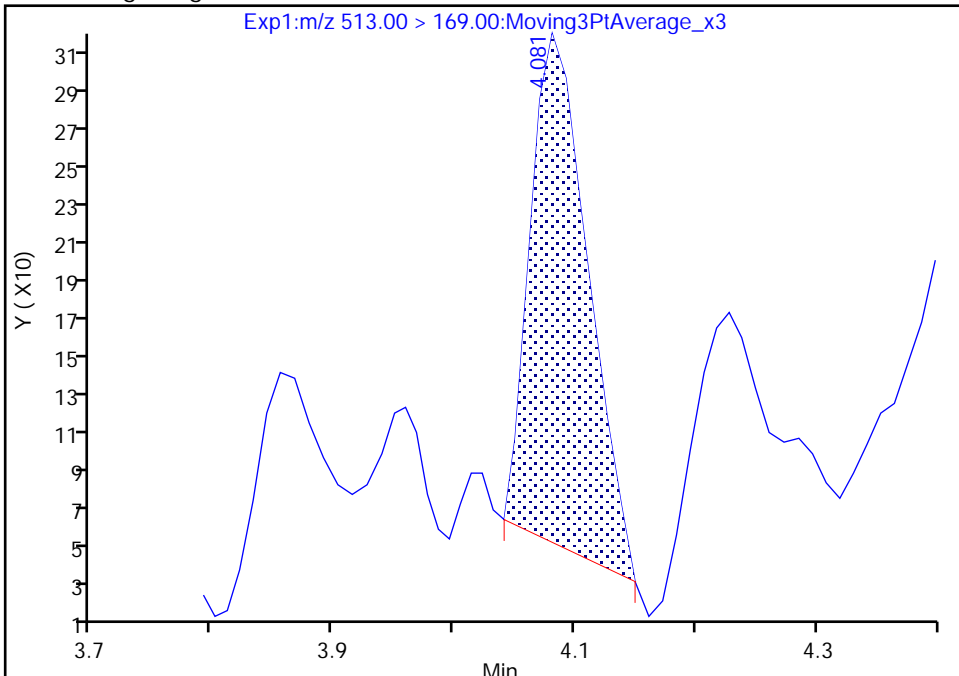
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

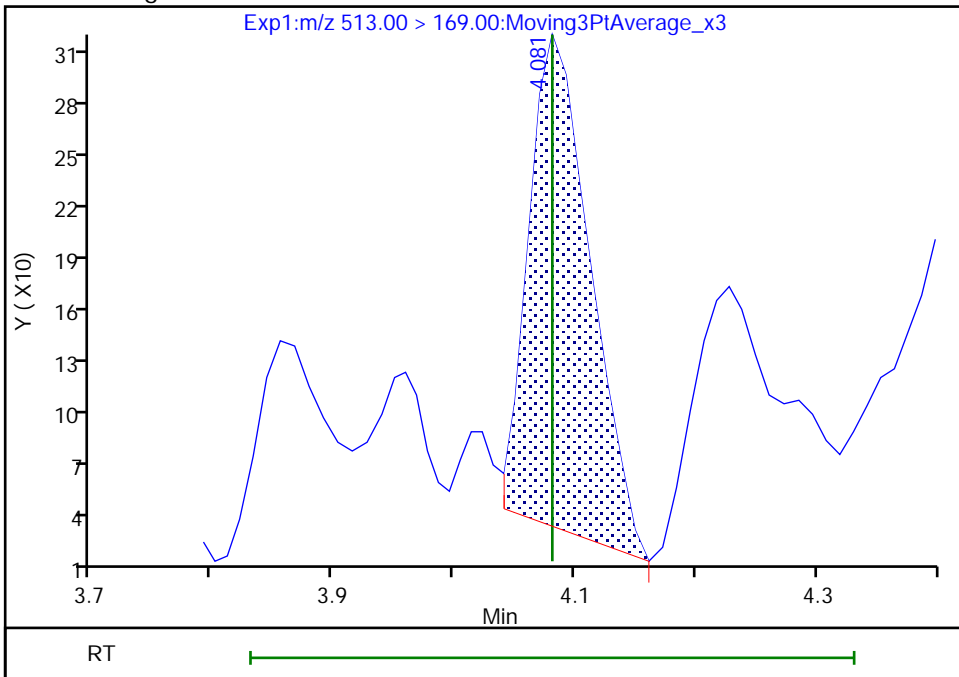
RT: 4.08
Area: 876
Amount: 0.002760
Amount Units: ng/ml

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

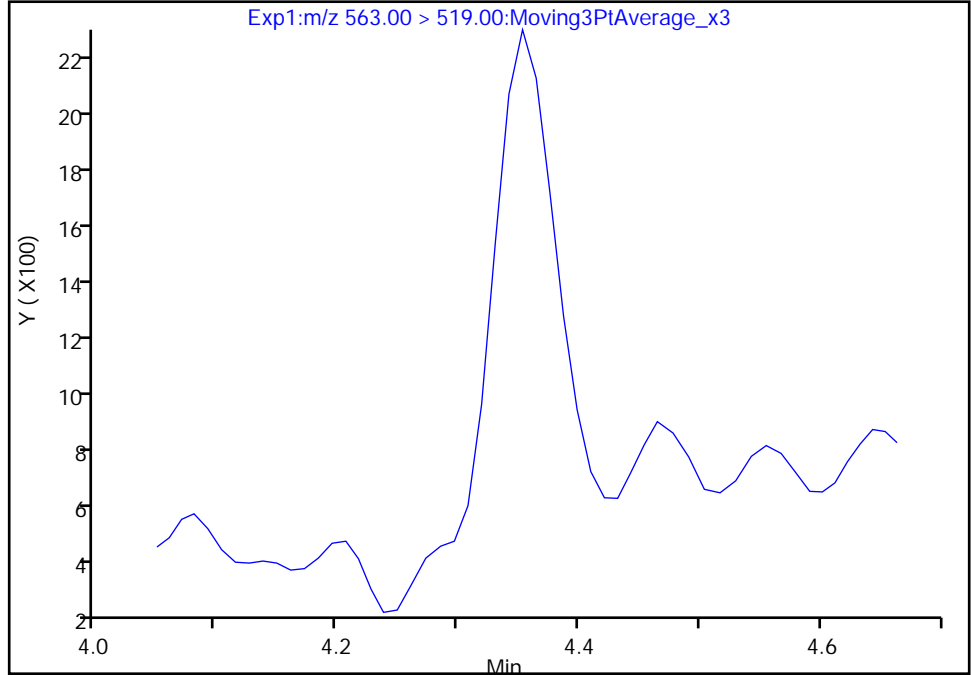
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

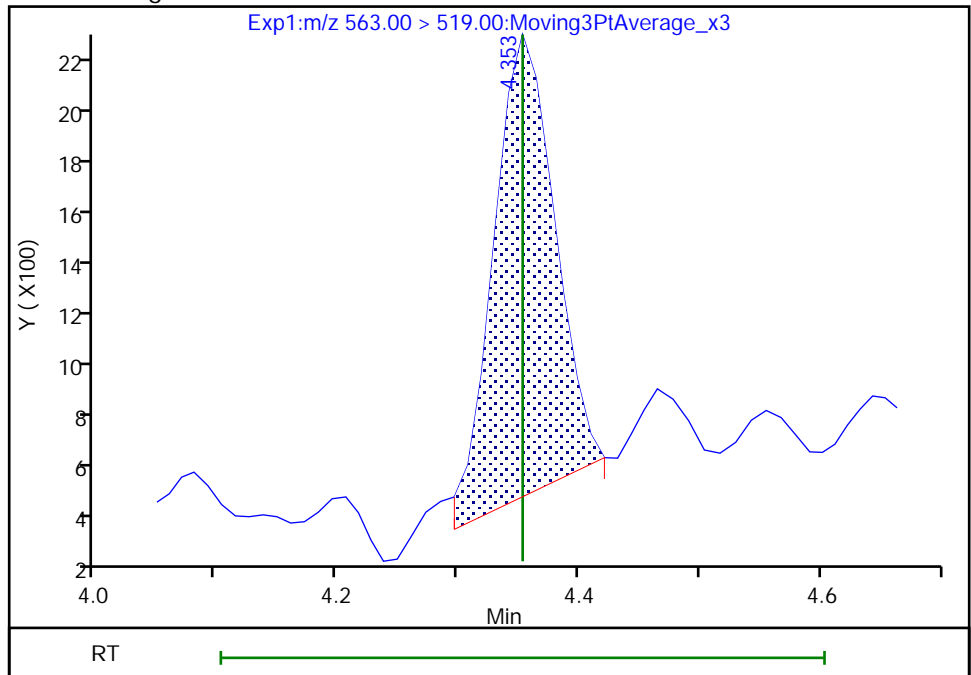
Not Detected
Expected RT: 4.35

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
Page 759 of 939

Eurofins Burlington

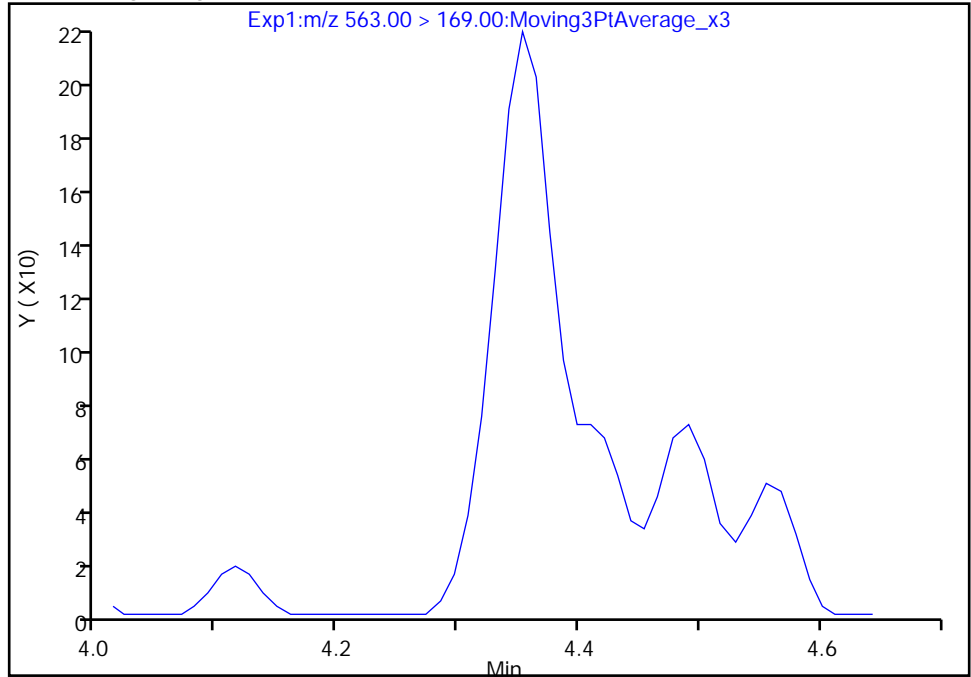
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

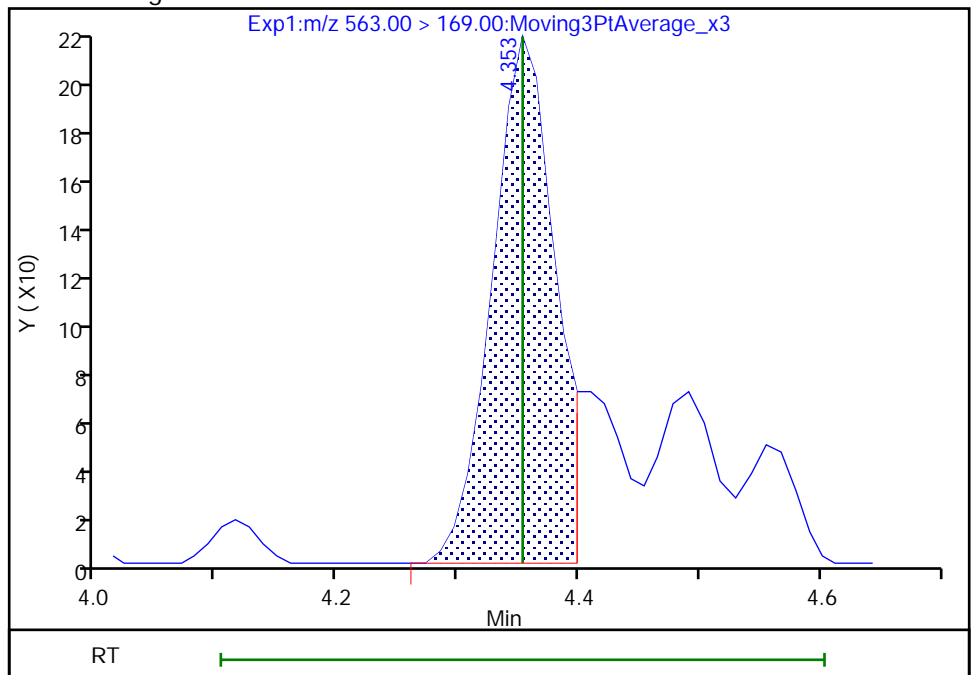
Not Detected
Expected RT: 4.35

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

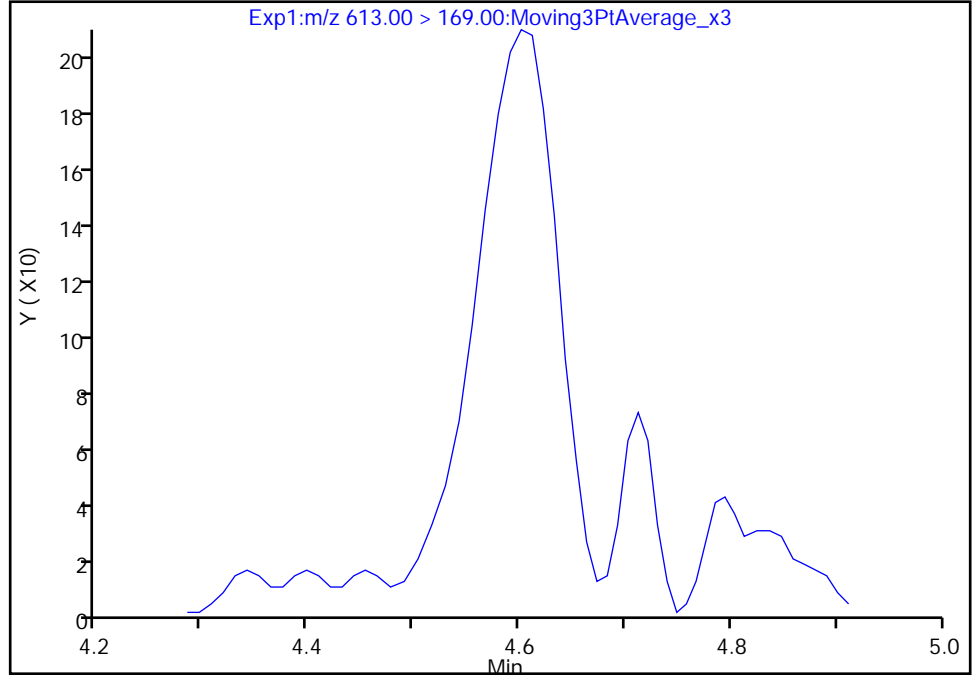
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

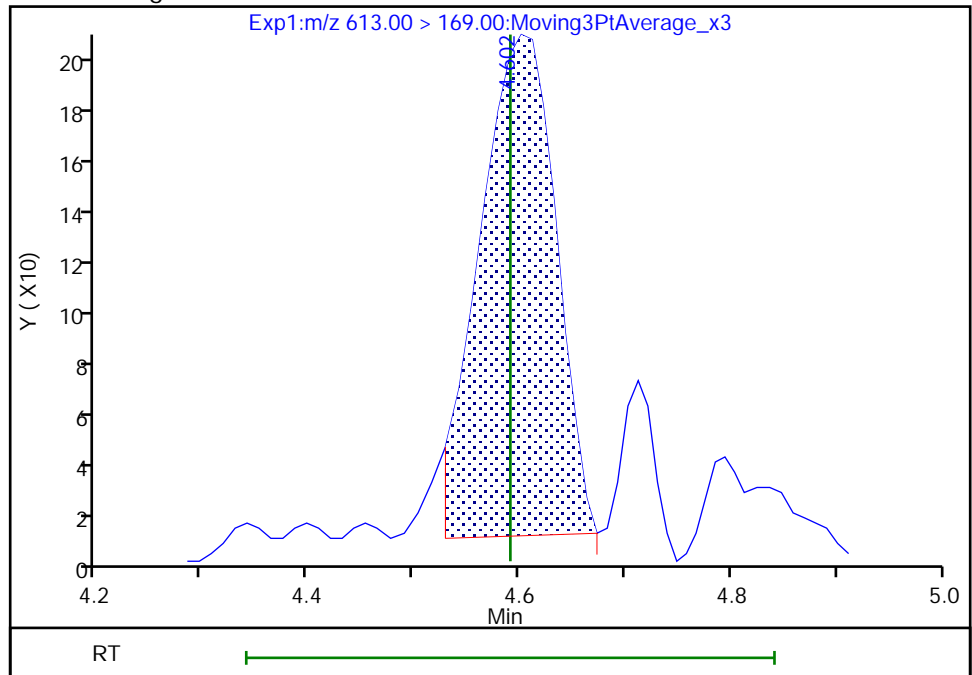
Not Detected
Expected RT: 4.59

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

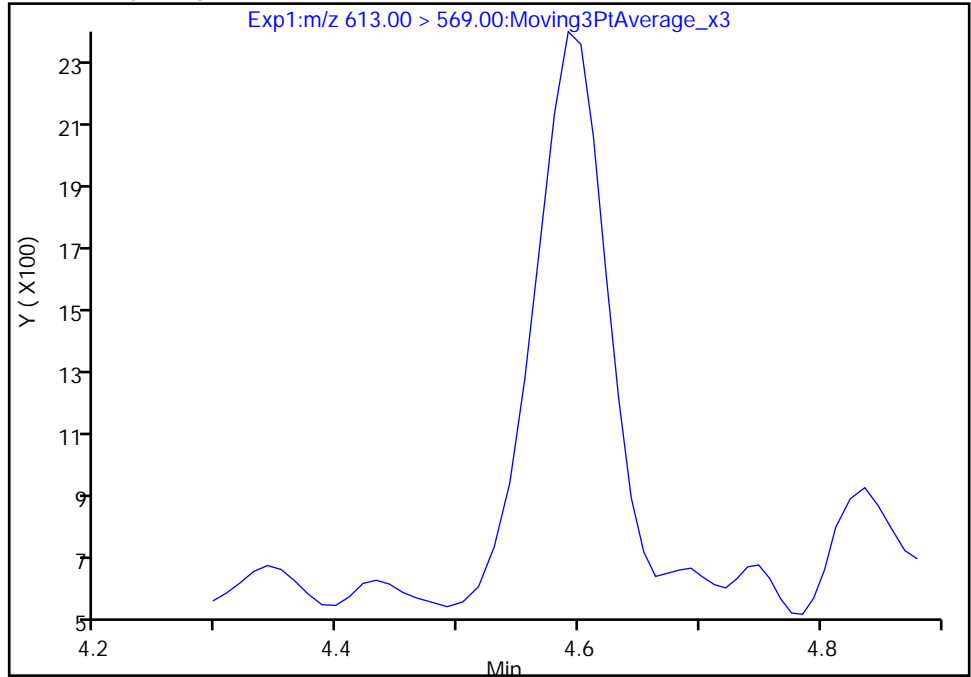
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

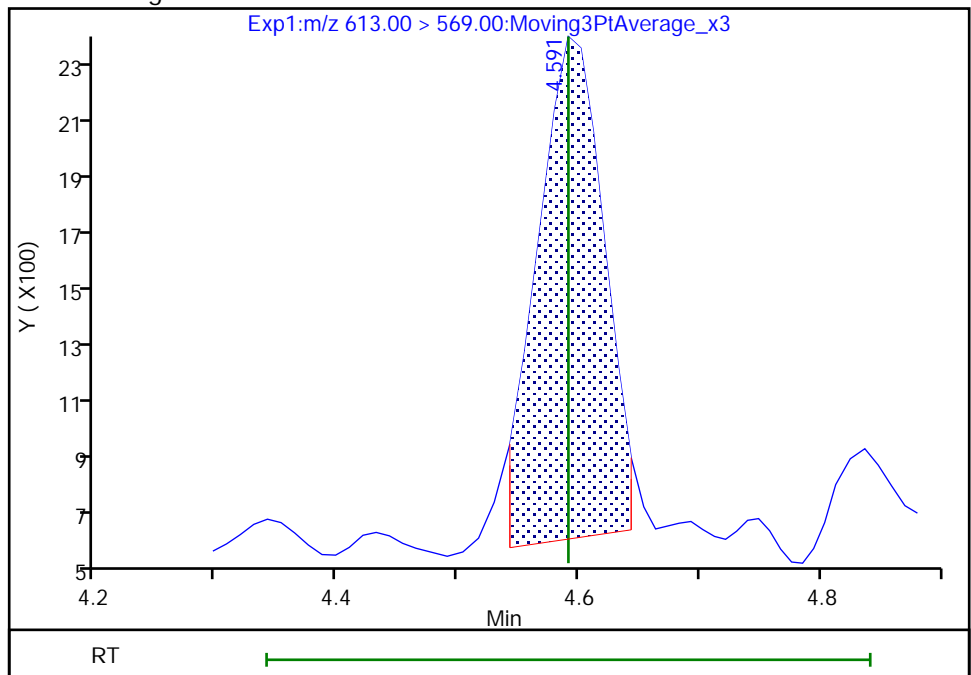
Not Detected
Expected RT: 4.59

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

Audit Reason: Missed Peak

Eurofins Burlington

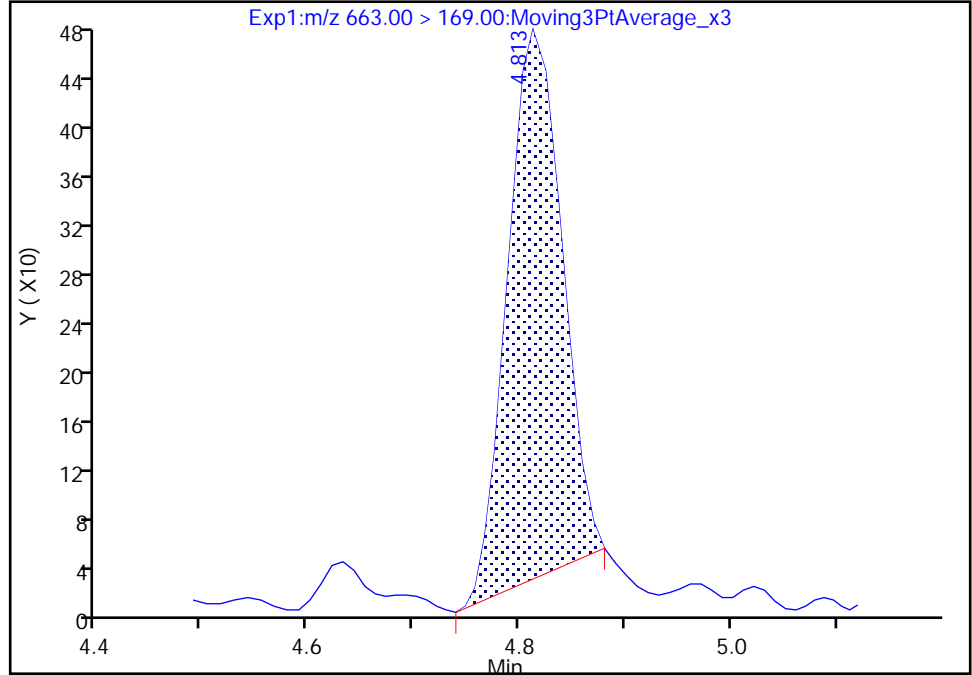
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

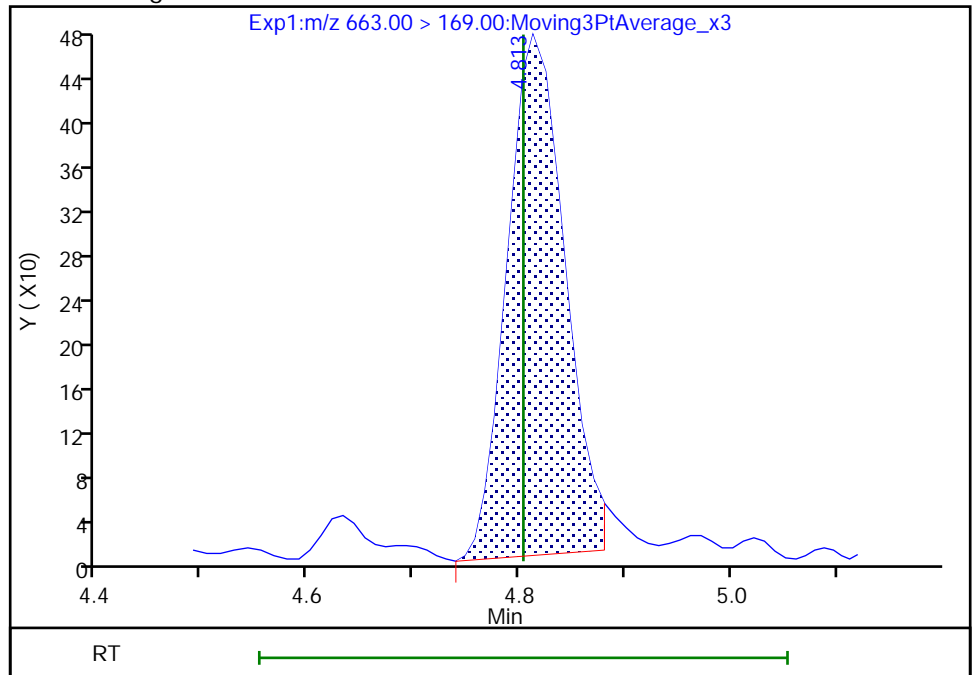
RT: 4.81
Area: 1591
Amount: 0.003827
Amount Units: ng/ml

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

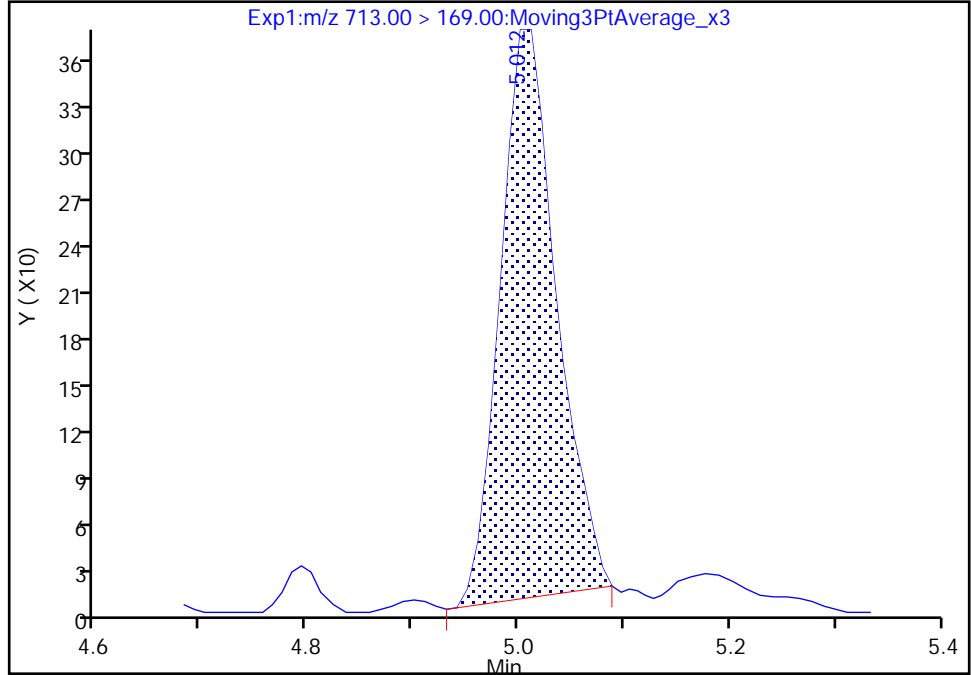
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

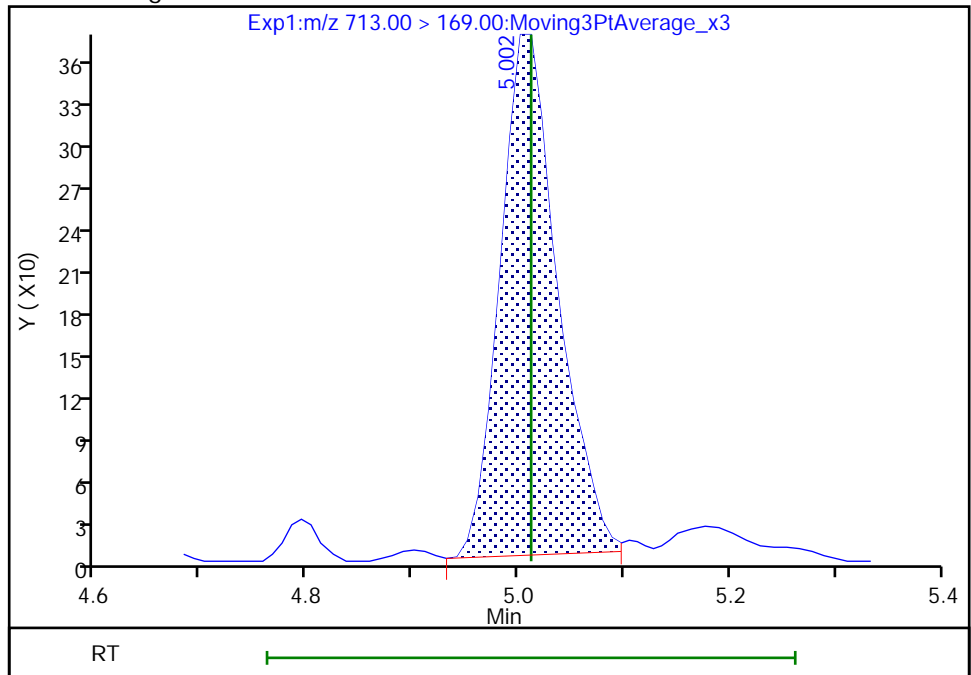
RT: 5.01
Area: 1356
Amount: 0.006171
Amount Units: ng/ml

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

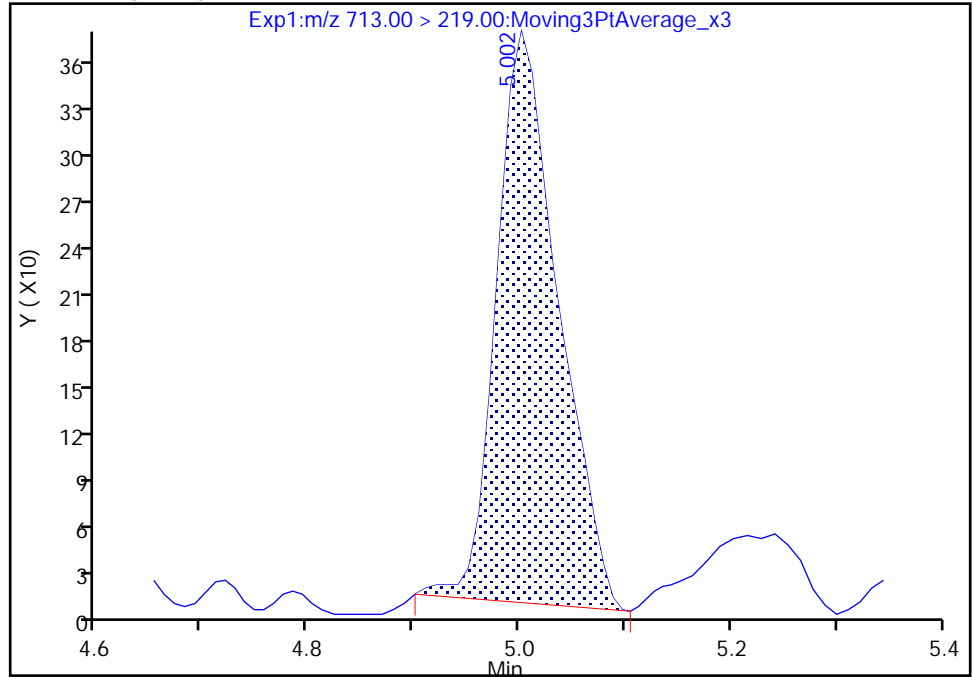
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

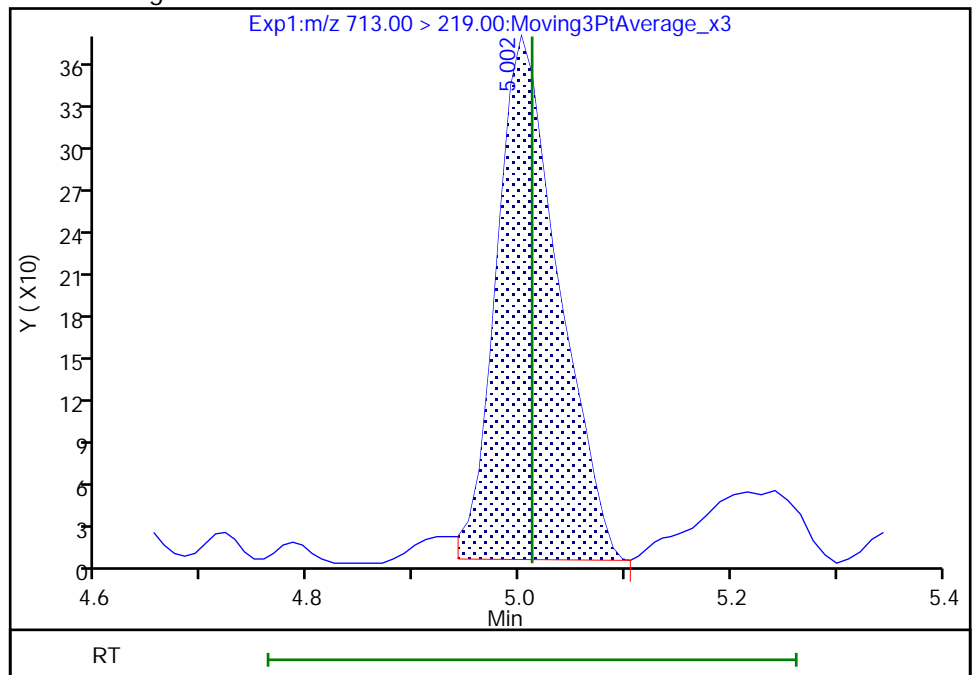
RT: 5.00
Area: 1502
Amount: 0.006171
Amount Units: ng/ml

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

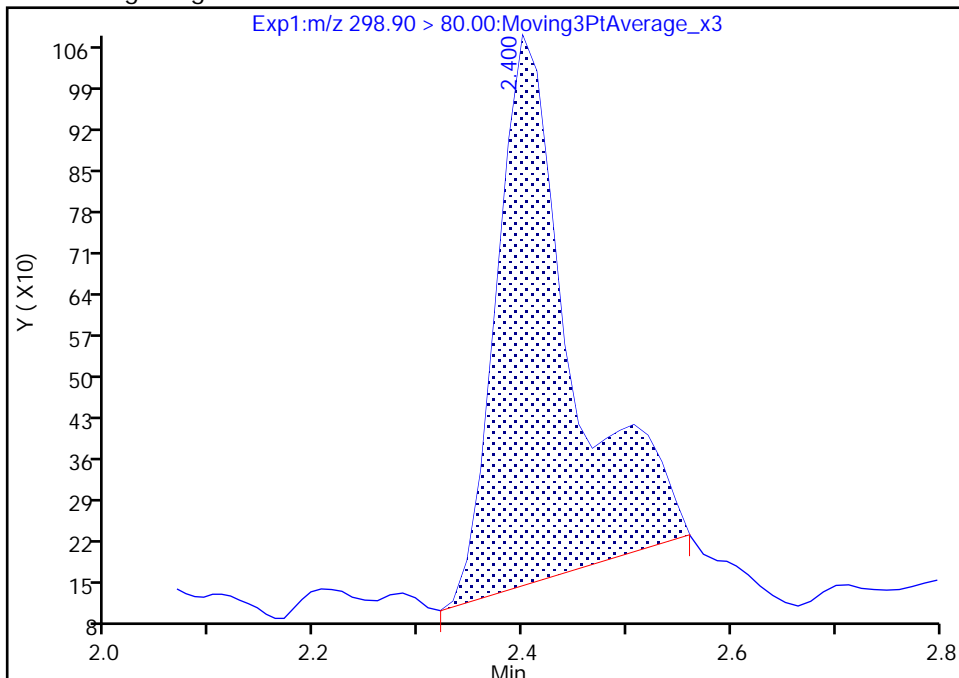
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

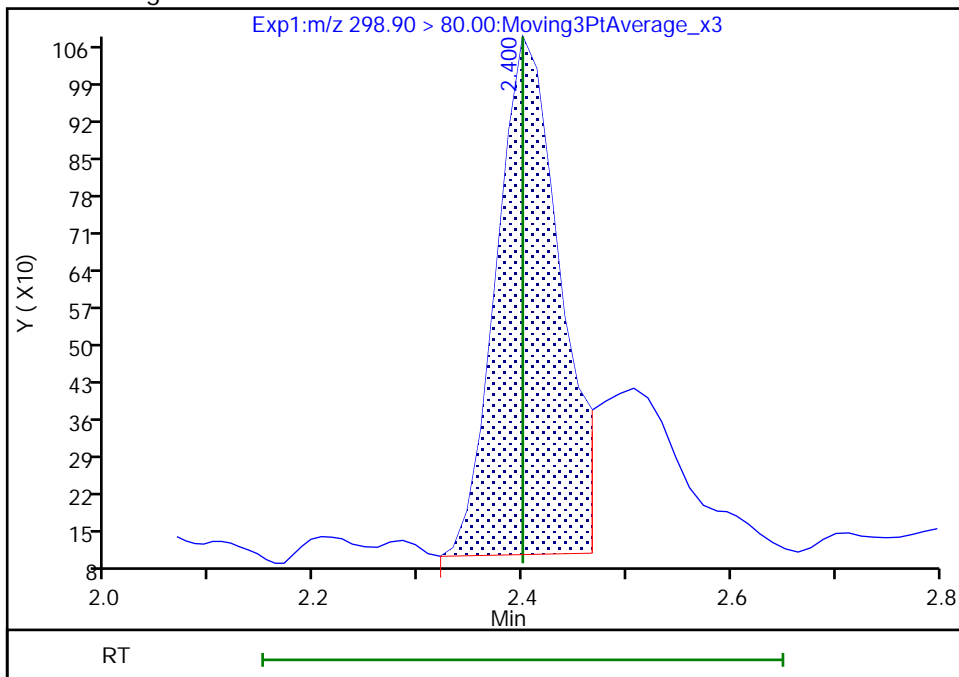
RT: 2.40
Area: 4687
Amount: 0.002285
Amount Units: ng/ml

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

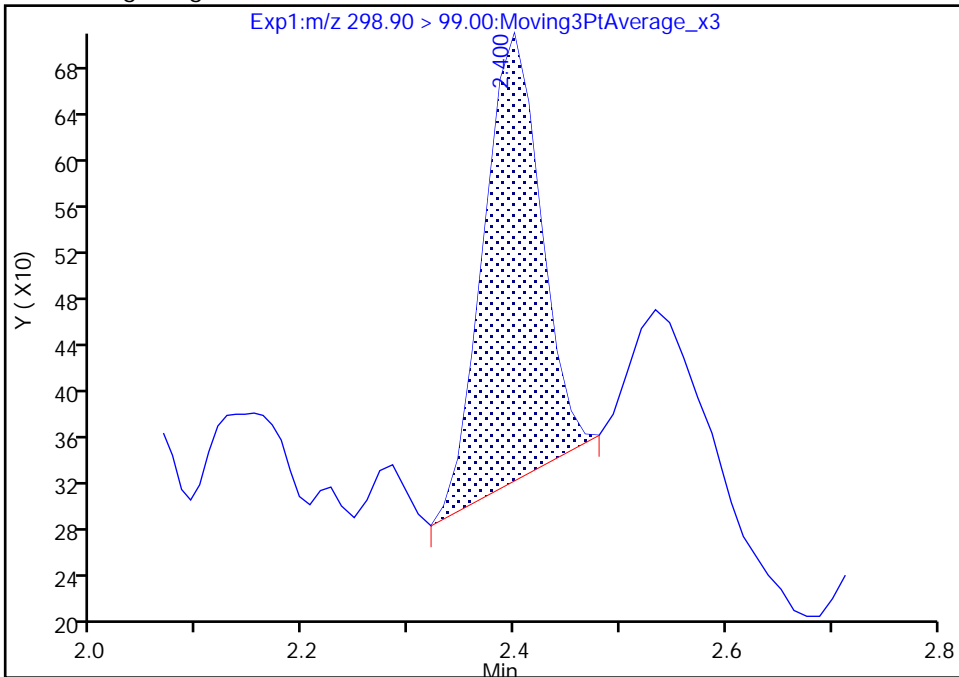
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

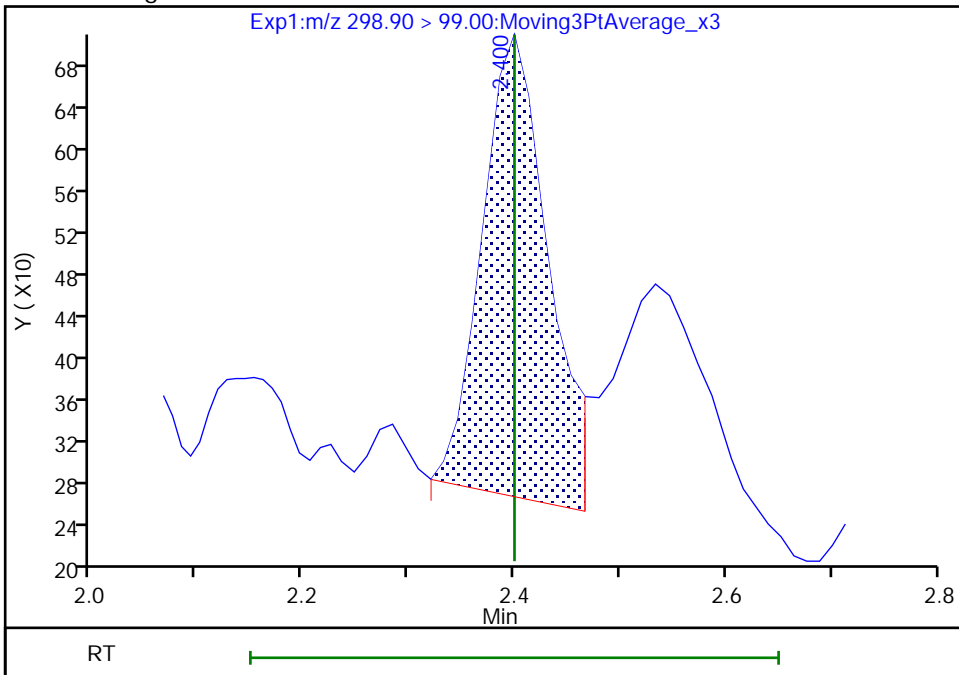
RT: 2.40
Area: 1438
Amount: 0.002285
Amount Units: ng/ml

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

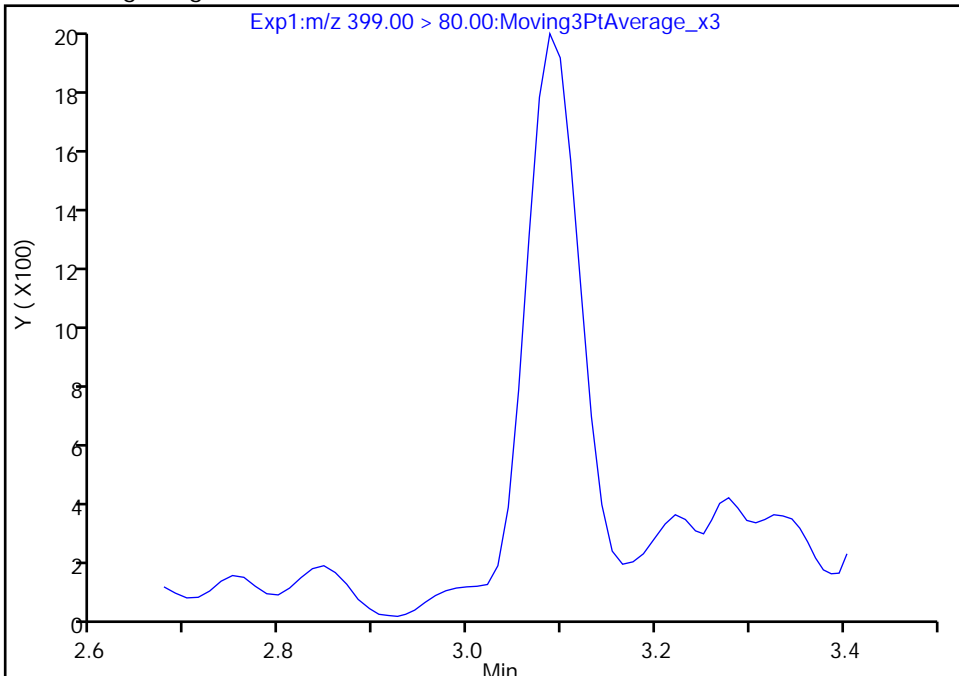
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

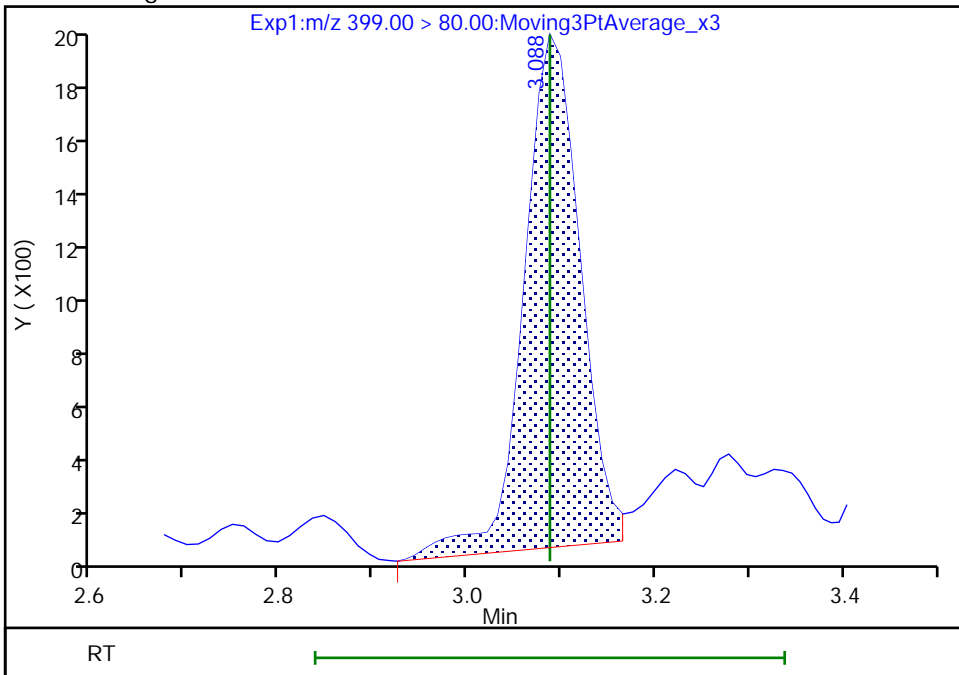
Not Detected
Expected RT: 3.09

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

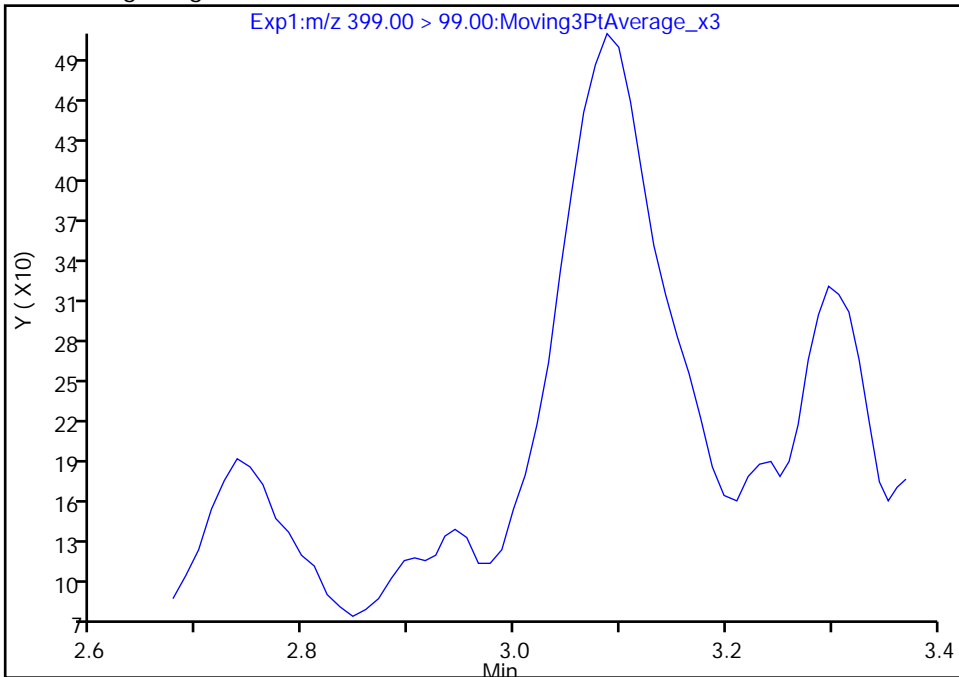
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

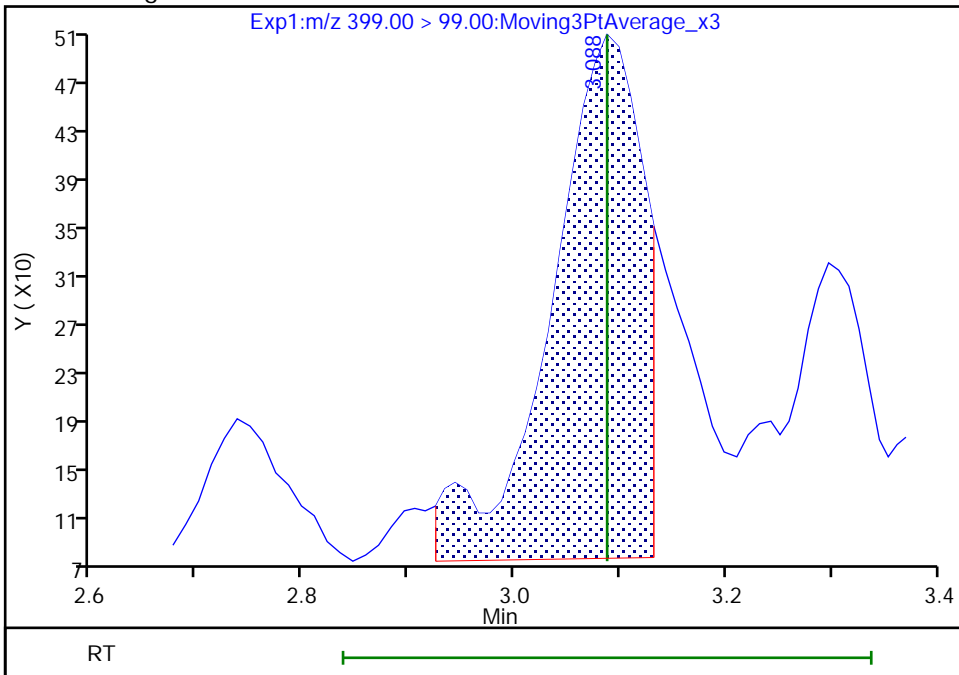
Not Detected
Expected RT: 3.09

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

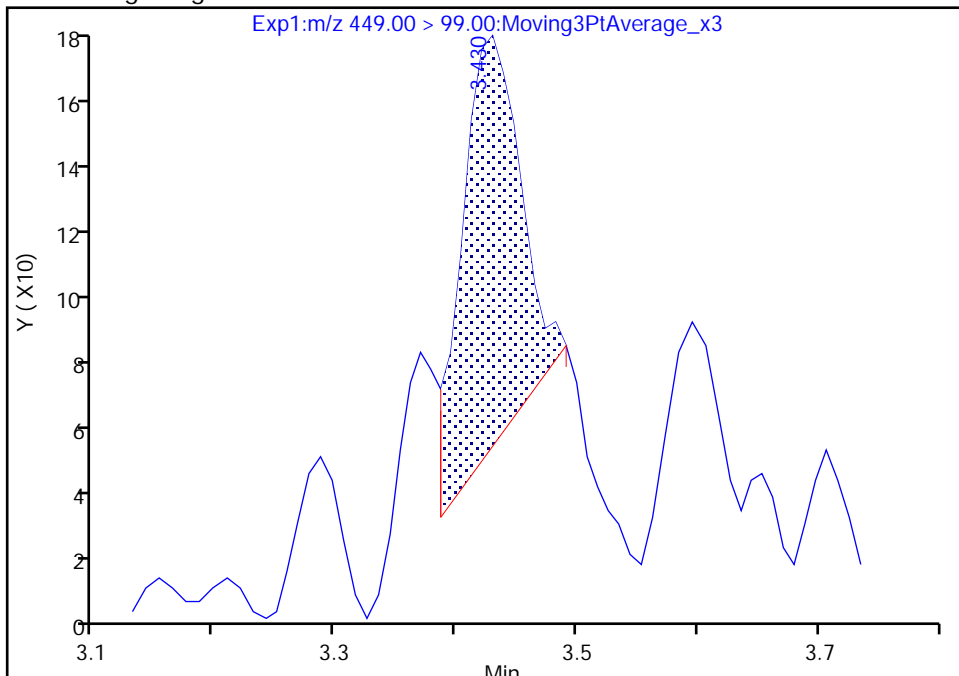
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

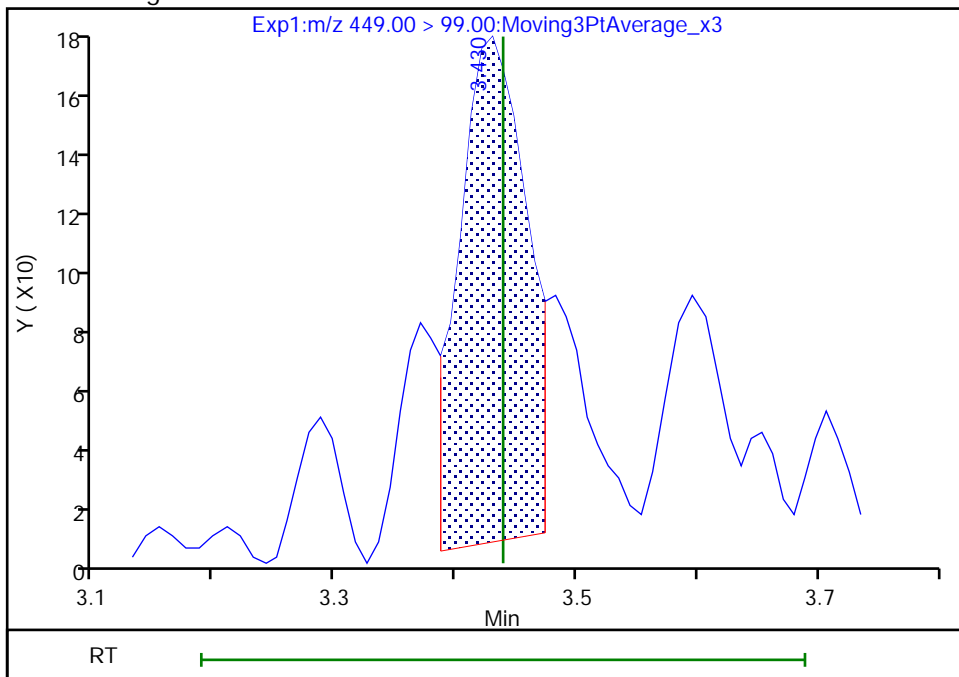
RT: 3.43
Area: 411
Amount: 0.001467
Amount Units: ng/ml

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

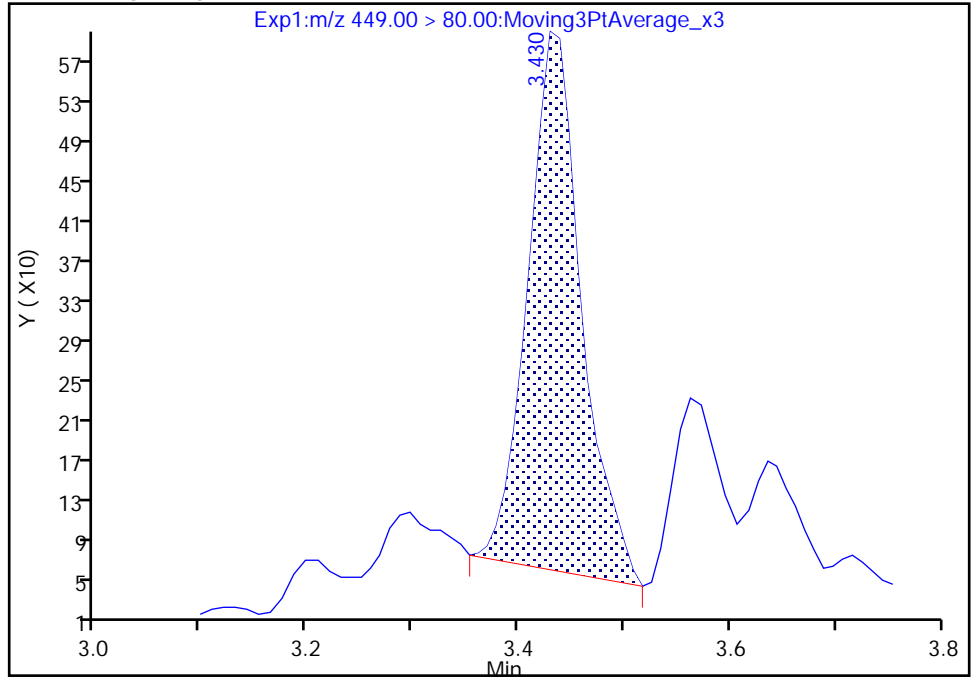
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

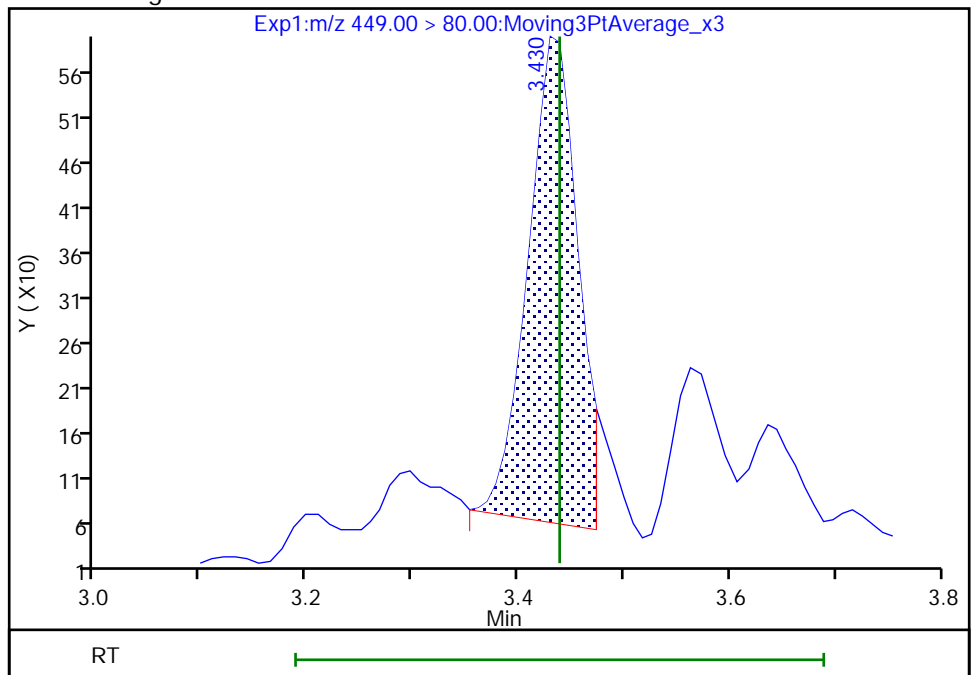
RT: 3.43
Area: 1891
Amount: 0.001467
Amount Units: ng/ml

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

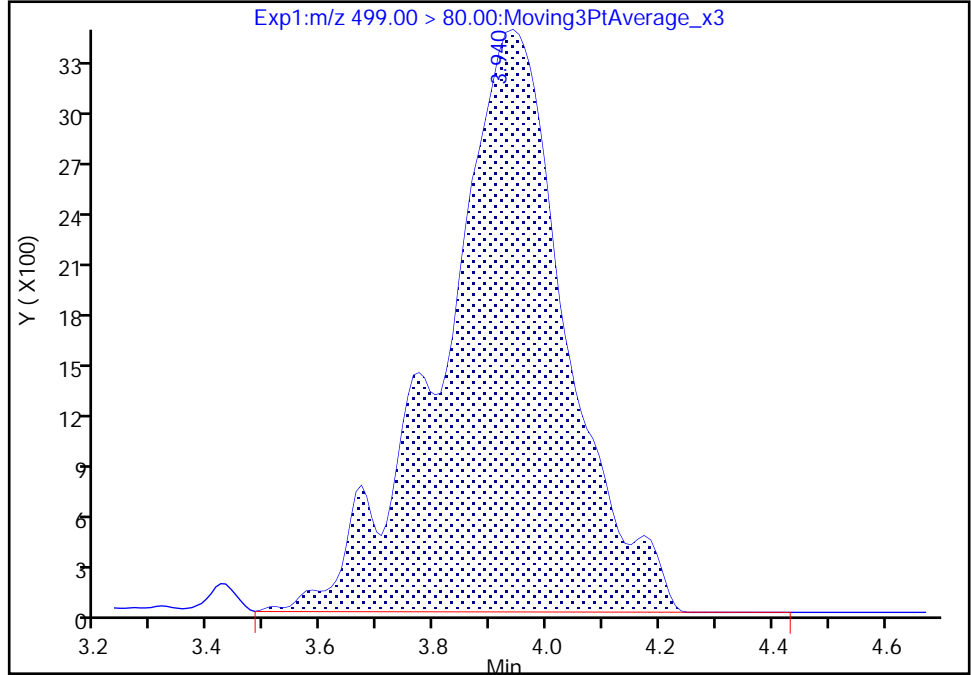
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

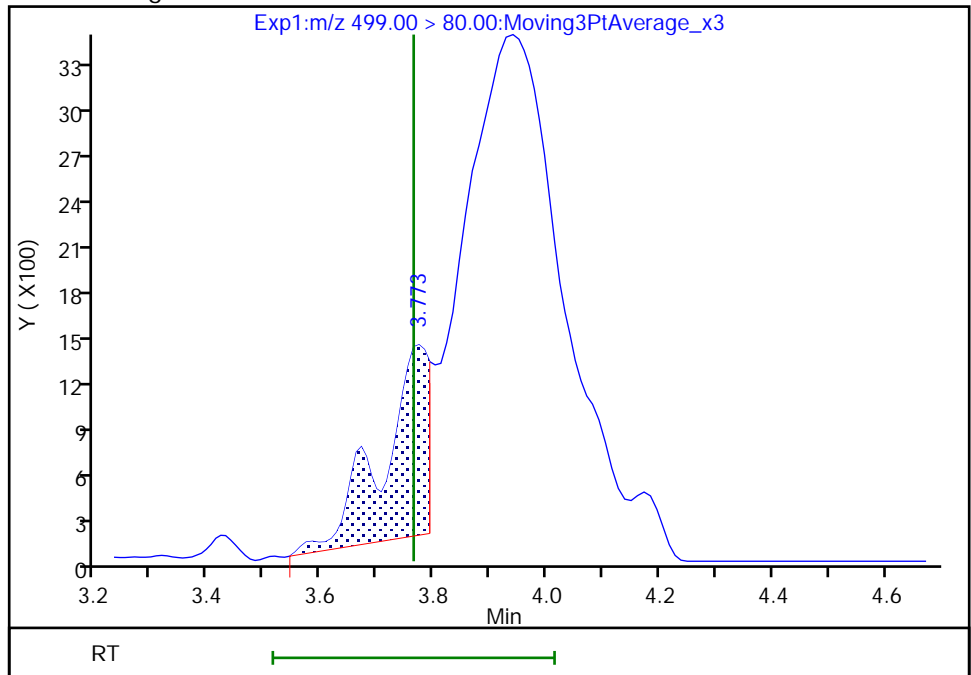
RT: 3.94
Area: 52204
Amount: 0.046510
Amount Units: ng/ml

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

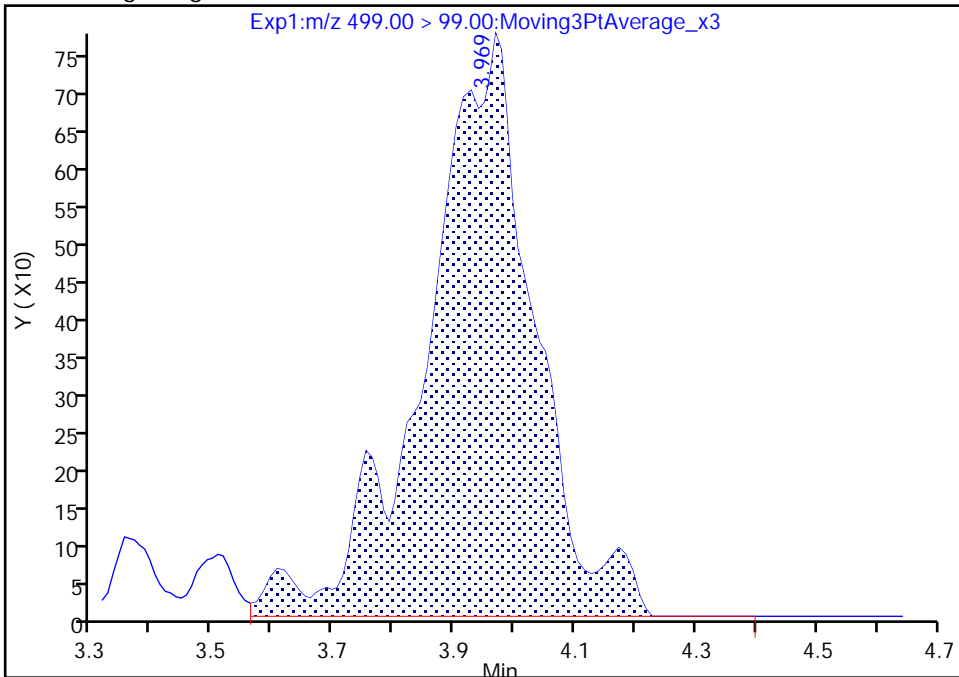
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

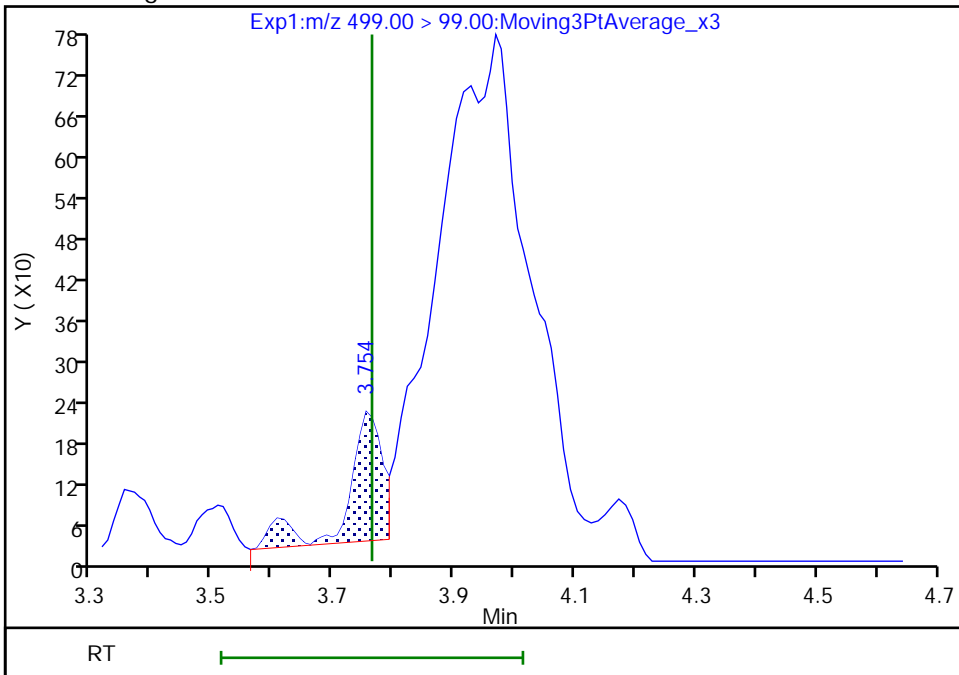
RT: 3.97
Area: 9705
Amount: 0.046510
Amount Units: ng/ml

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

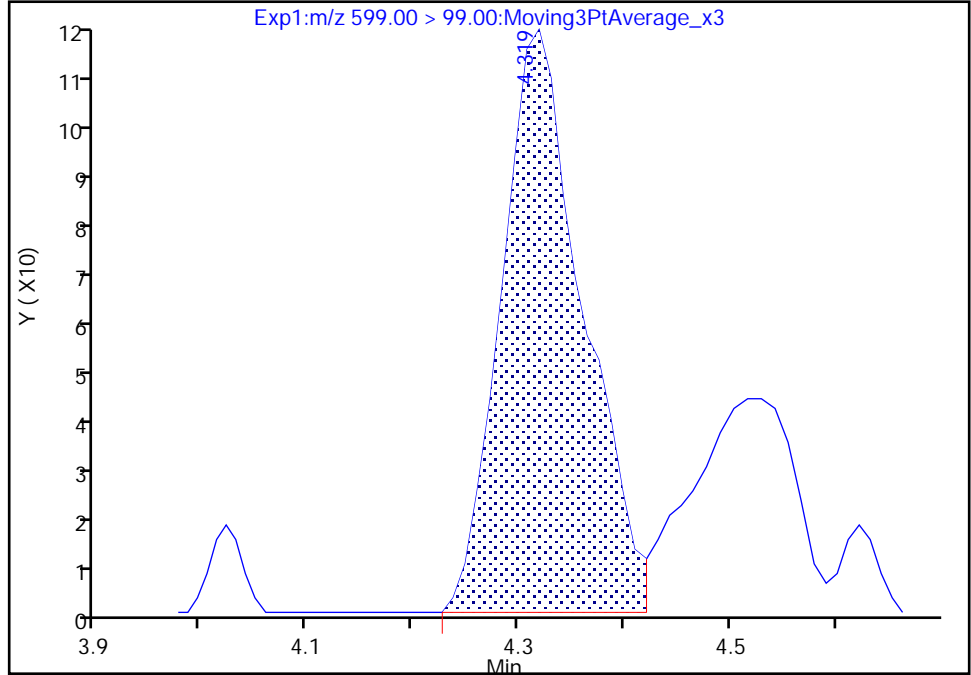
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

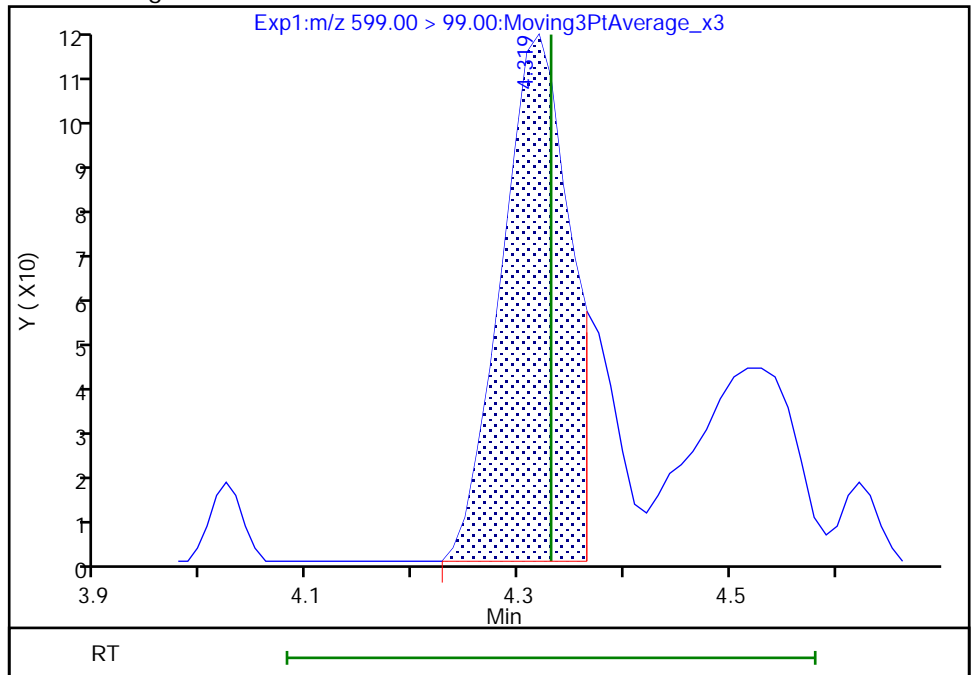
RT: 4.32
Area: 641
Amount: 0.002521
Amount Units: ng/ml

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

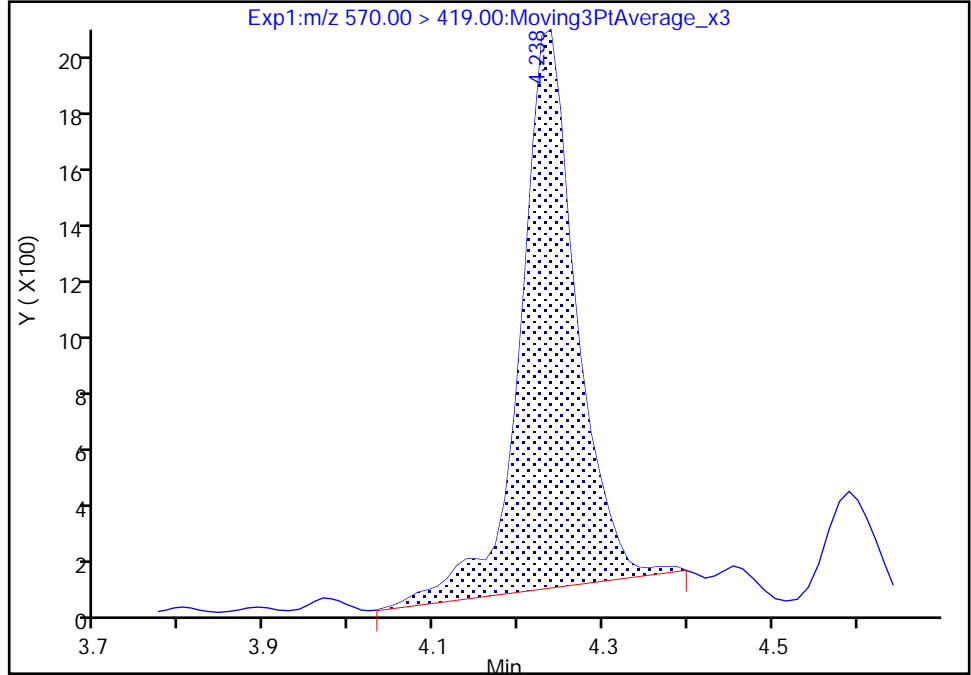
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

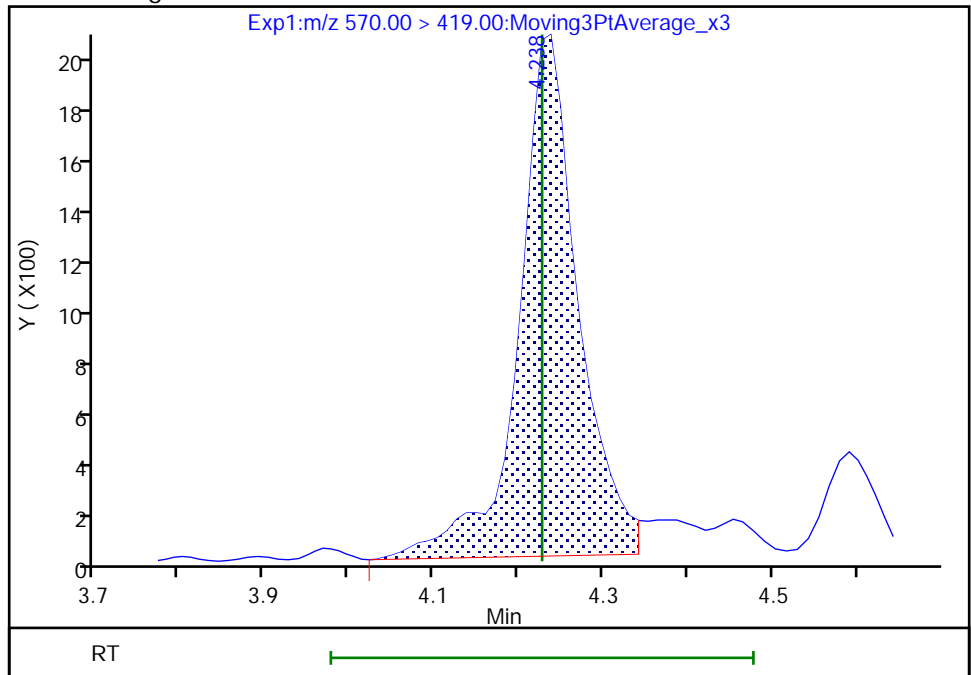
RT: 4.24
Area: 9316
Amount: 0.014803
Amount Units: ng/ml

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

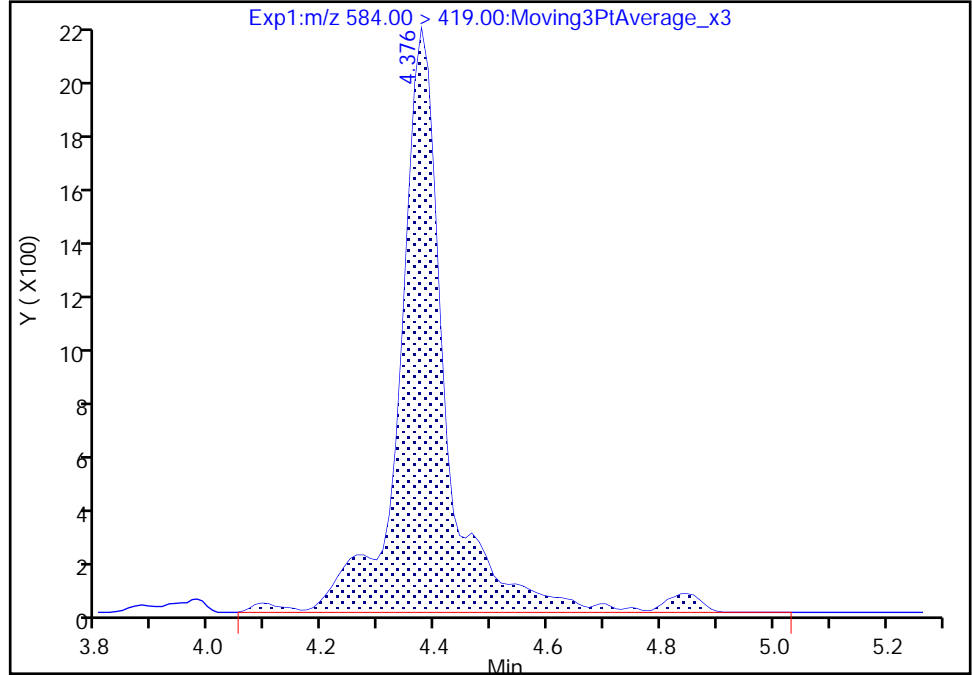
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

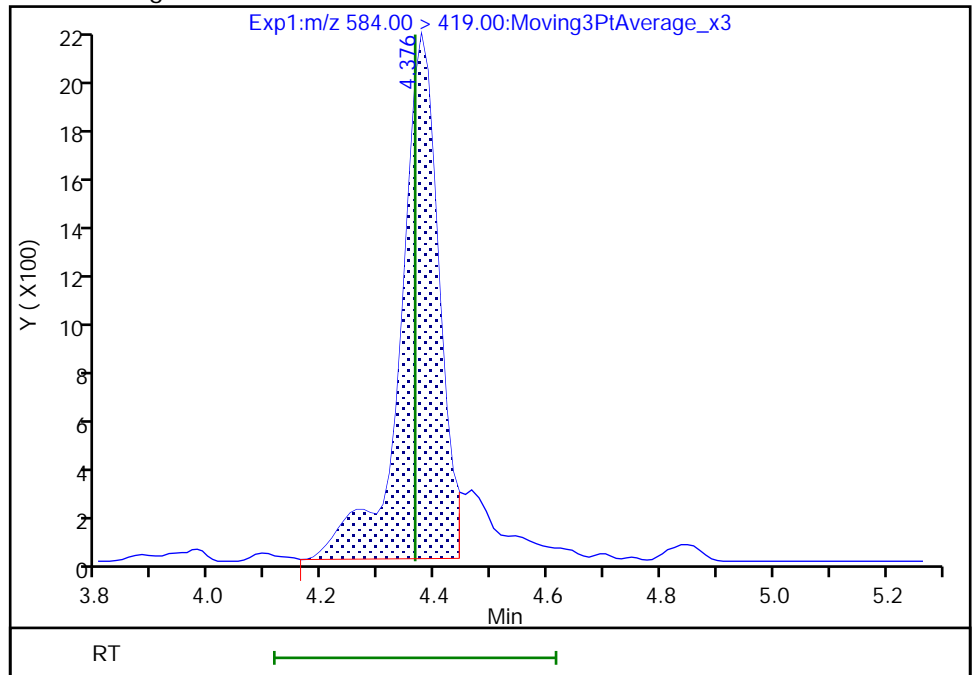
RT: 4.38
Area: 12637
Amount: 0.035132
Amount Units: ng/ml

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

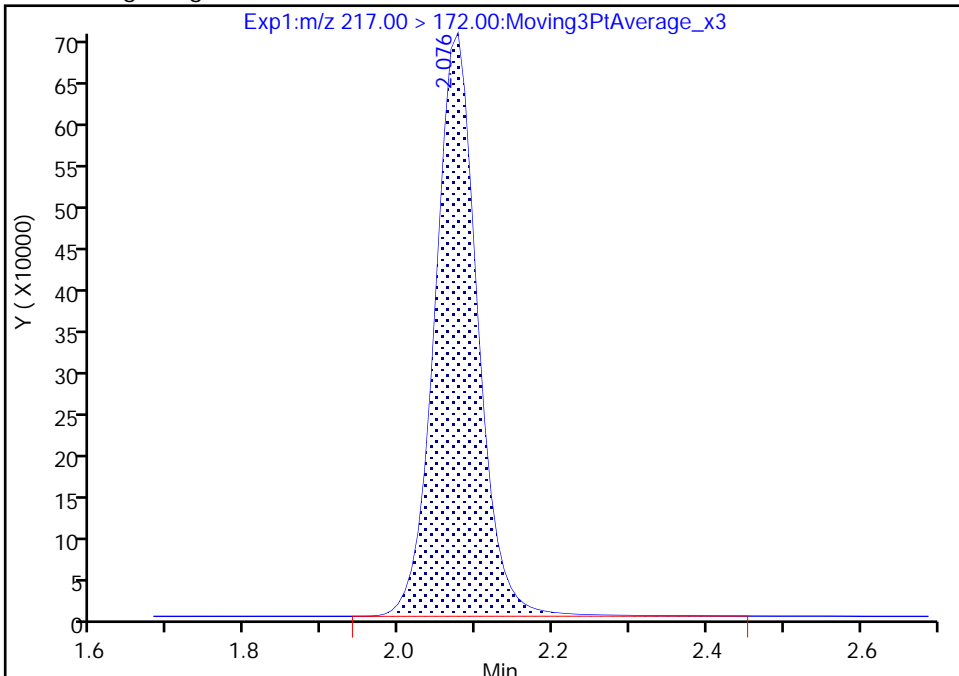
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

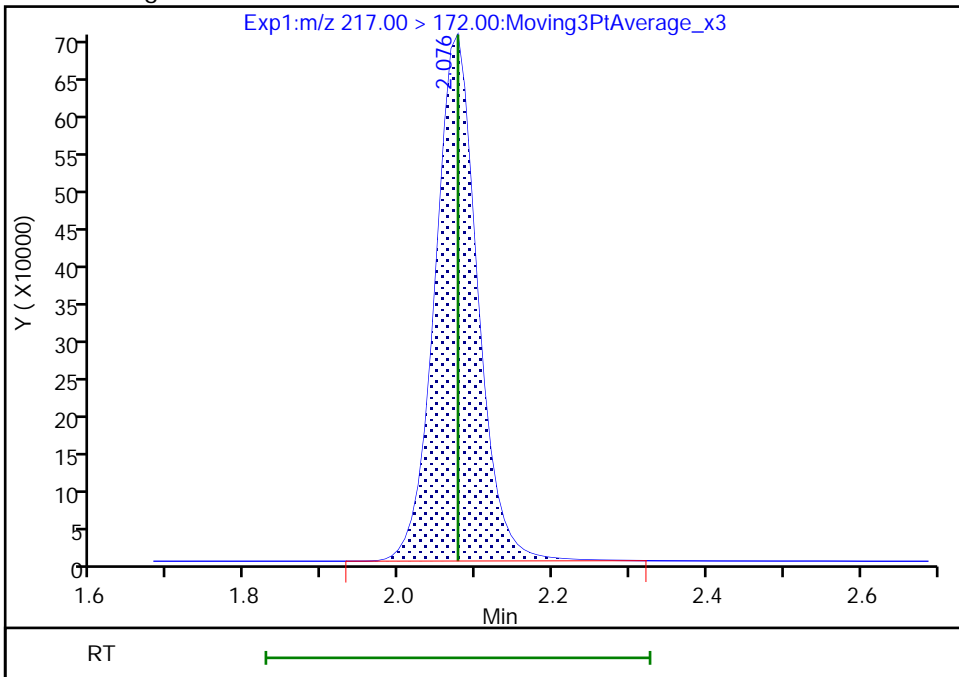
RT: 2.08
Area: 2698297
Amount: 1.324270
Amount Units: ng/ml

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

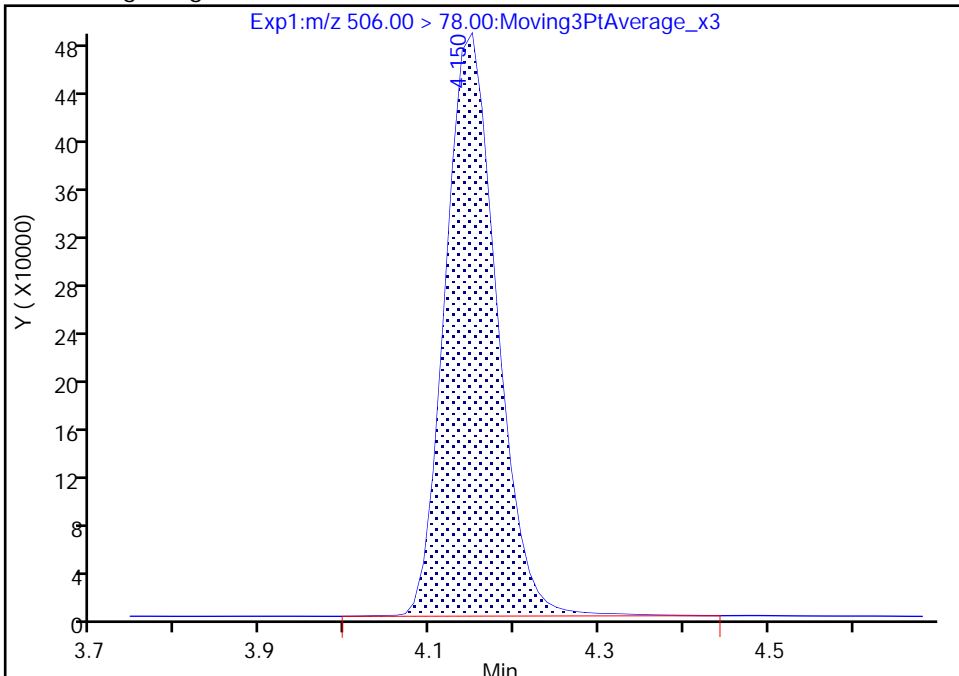
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

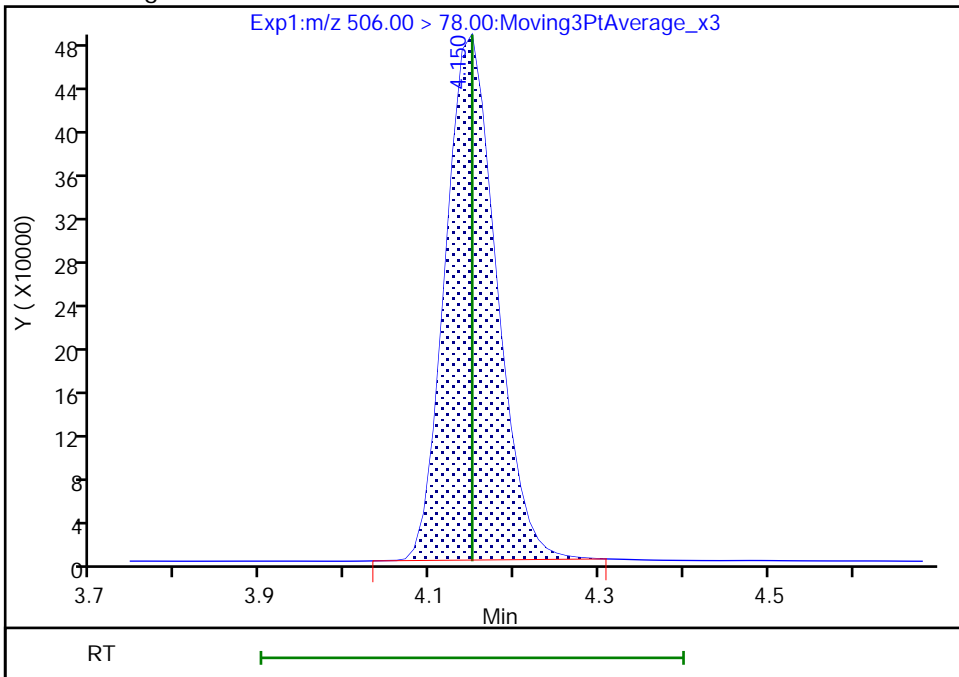
RT: 4.15
Area: 2062770
Amount: 1.351404
Amount Units: ng/ml

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

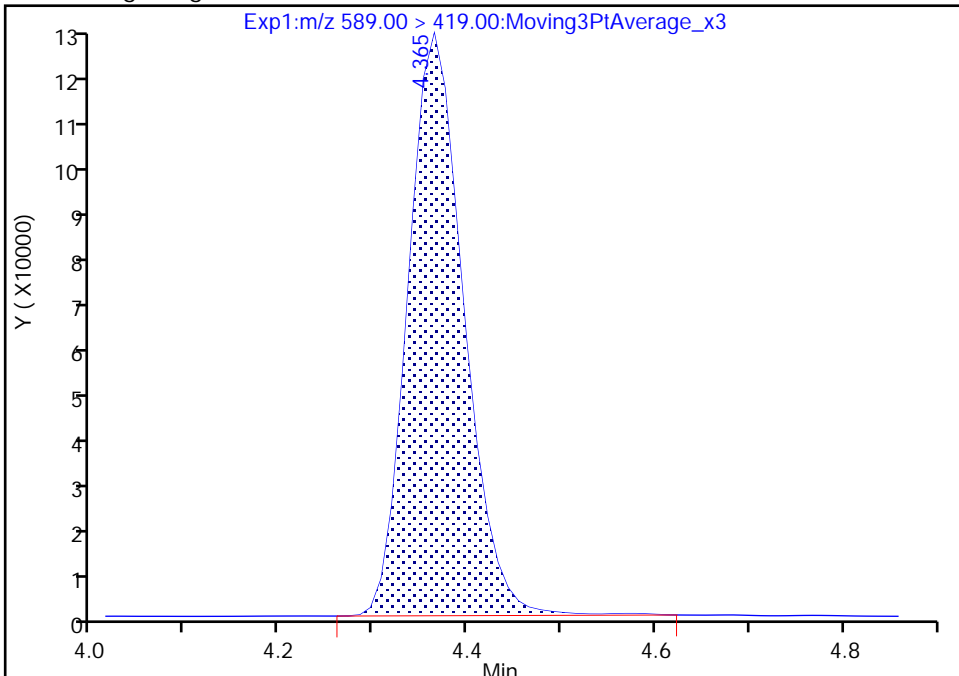
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 32 d5-NEtFOSAA, CAS: STL02117

Signal: 1

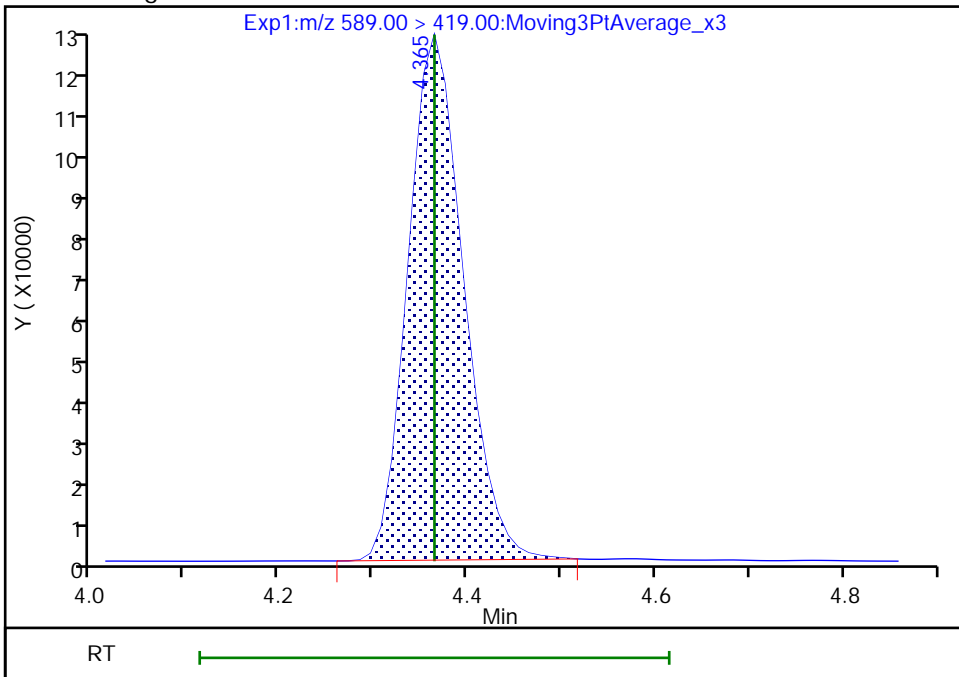
RT: 4.36
Area: 502236
Amount: 1.345514
Amount Units: ng/ml

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

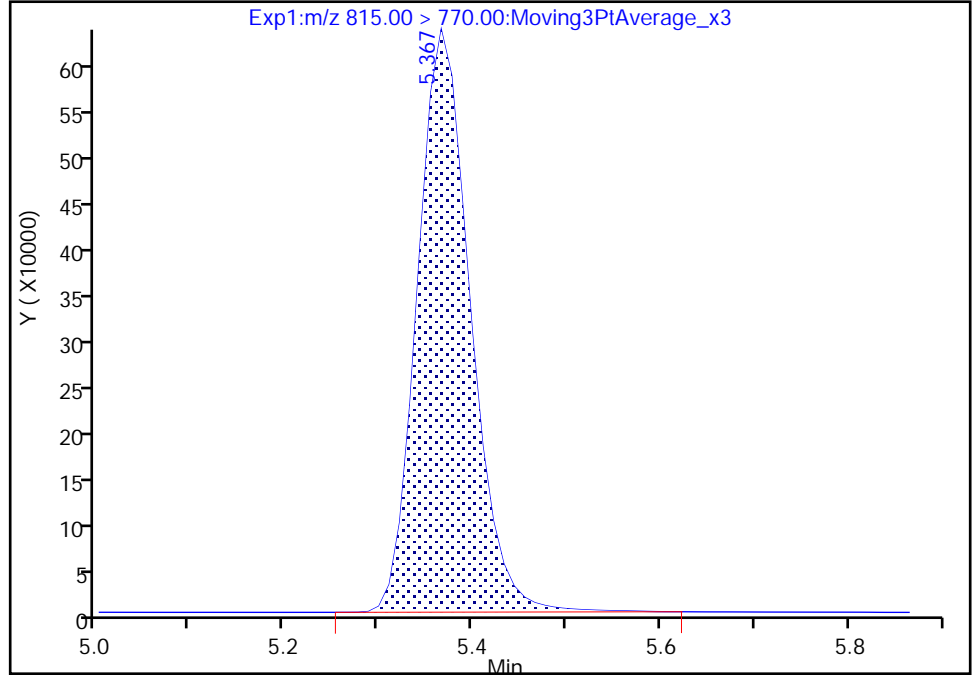
Eurofins Burlington

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

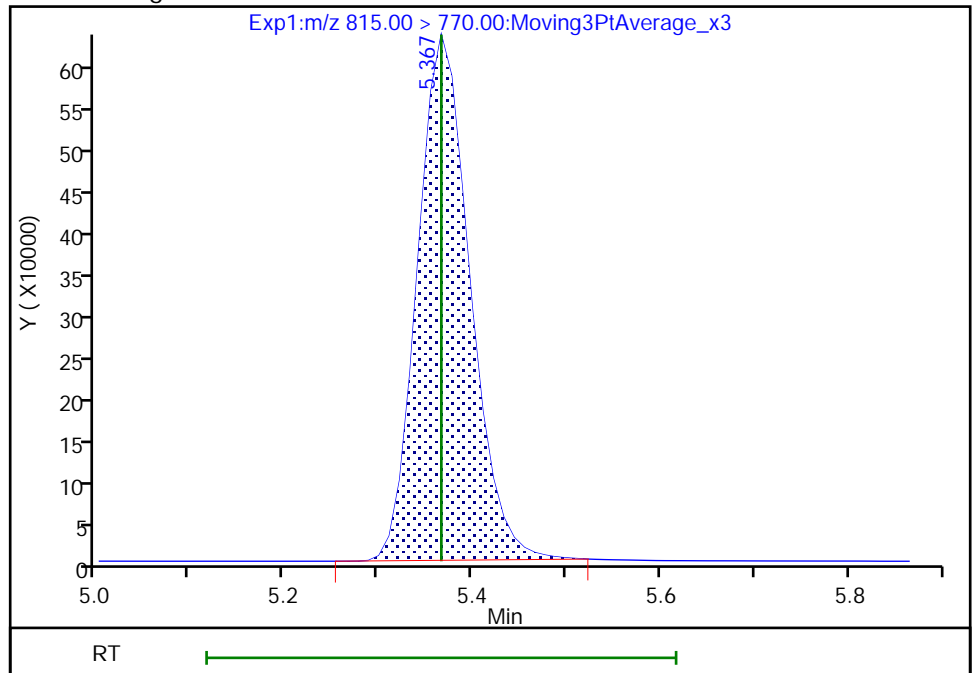
RT: 5.37
Area: 2475462
Amount: 1.332836
Amount Units: ng/ml

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.: 460-270065-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 200-186249/2-A
 Matrix: Solid Lab File ID: PA221202A11.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: SHAKE Date Extracted: 12/01/2022 09:15
 Sample wt/vol: 5.00 (g) Date Analyzed: 12/02/2022 13:30
 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.: 186301 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	1.948		0.50	0.33
2706-90-3	Perfluoropentanoic acid (PFPeA)	1.880		0.20	0.055
307-24-4	Perfluorohexanoic acid (PFHxA)	1.882		0.20	0.046
375-85-9	Perfluoroheptanoic acid (PFHpA)	1.936		0.20	0.039
335-67-1	Perfluorooctanoic acid (PFOA)	1.940		0.20	0.058
375-95-1	Perfluorononanoic acid (PFNA)	1.947		0.20	0.034
335-76-2	Perfluorodecanoic acid (PFDA)	1.879		0.20	0.028
2058-94-8	Perfluoroundecanoic acid (PFUnA)	2.022		0.20	0.027
307-55-1	Perfluorododecanoic acid (PFDoA)	1.868		0.20	0.025
72629-94-8	Perfluorotridecanoic acid (PFTriA)	1.844		0.20	0.025
376-06-7	Perfluorotetradecanoic acid (PFTeA)	1.897		0.20	0.026
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.703		0.20	0.033
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.703		0.20	0.041
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	1.884		0.20	0.023
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.752		0.20	0.11
335-77-3	Perfluorodecanesulfonic acid (PFDS)	1.718		0.20	0.019
754-91-6	Perfluorooctanesulfonamide (FOSA)	1.912		0.20	0.034
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.064		2.00	0.11
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.932	J	2.00	0.083
27619-97-2	6:2 FTS	1.920	J	2.00	0.057
39108-34-4	8:2 FTS	1.879	J	2.00	0.037

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-270065-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 200-186249/2-A
 Matrix: Solid Lab File ID: PA221202A11.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: SHAKE Date Extracted: 12/01/2022 09:15
 Sample wt/vol: 5.00(g) Date Analyzed: 12/02/2022 13:30
 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.: 186301 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	107		50-150
STL01892	13C4 PFHpA	90		50-150
STL00990	13C4 PFOA	92		50-150
STL00991	13C4 PFOS	103		50-150
STL00995	13C5 PFNA	89		50-150
STL00992	13C4 PFBA	68		50-150
STL00993	13C2 PFHxA	97		50-150
STL00996	13C2 PFDA	98		50-150
STL00997	13C2 PFUnA	89		50-150
STL00998	13C2 PFDoA	80		50-150
STL01056	13C8 FOSA	100		50-150
STL01893	13C5 PFPeA	95		50-150
STL02116	13C2 PFTeDA	81		50-150
STL02118	d3-NMeFOSAA	75		50-150
STL02117	d5-NEtFOSAA	78		50-150
STL02279	M2-6:2 FTS	103		50-150
STL02280	M2-8:2 FTS	98		50-150
STL02337	13C3 PFBS	101		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A11.d
 Lims ID: LCS 200-186249/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 02-Dec-2022 13:30:29 ALS Bottle#: 8 Worklist Smp#: 11
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: LCS 200-186249/2-A
 Misc. Info.: 200-0053527-011 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 05-Dec-2022 11:40:57 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: CTX1627

First Level Reviewer: nampitakw Date: 05-Dec-2022 12:03:04
 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	0.609	1786029	0.8448	67.6	6916	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.093	2.076	0.017	1.004	1435222	0.9741		97.4	176	M
D 3 13C5 PFPeA	267.90 > 223.00	2.373	2.387	-0.014	0.694	1906676	1.18	94.7	3521	
4 Perfluoropentanoic acid	262.90 > 219.00	2.386	2.387	-0.001	1.006	1562948	0.9402	94.0	37.2	
D 47 13C3 PFBS	301.90 > 80.00	2.400	2.400	0.0	0.701	2050277	1.17	101	218461	M
5 Perfluorobutanesulfonic acid	298.90 > 80.00	2.400	2.400	0.0	1.000	1718332	0.8516	Target=2.09	96.3	2190
298.90 > 99.00	2.400	2.400	0.0	1.000	819153		2.10(1.04-3.13)		470	
61 1H,1H,2H,2H-perfluorohexanesulfo	327.00 > 307.00	2.677	2.689	-0.012	1.000	461143	0.8815	94.4	2558	M
D 60 M2-4:2 FTS	329.00 > 81.00	2.677	2.689	-0.012	0.782	198250	1.28	110	194	M
D 7 13C2 PFHxA	315.00 > 270.00	2.713	2.725	-0.012	0.793	2048776	1.21	97.2	5637	M
6 Perfluorohexanoic acid	313.00 > 269.00	2.713	2.725	-0.012	1.000	1680359	0.9409	Target=14.25	94.1	296
313.00 > 119.00	2.713	2.725	-0.012	1.000	122840		13.68(7.12-21.37)		158	M
70 Perfluoropentanesulfonic acid	349.00 > 80.00	2.713	2.737	-0.024	0.885	1583216	0.8716	Target=3.04	92.9	2563
349.00 > 99.00	2.713	2.737	-0.024	0.885	542210		2.92(1.52-4.56)		932	
67 Perfluoro(2-propoxypropanoic) ac	285.00 > 169.00	2.810	2.835	-0.025	1.000	281625	0.9515	95.2	2307	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	2.810	2.835	-0.025	0.821	350380	1.18		94.1	1558	
D 11 18O2 PFHxS										
403.00 > 84.00	3.065	3.088	-0.023	0.896	1608449	1.26		107	3790	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.065	3.088	-0.023	1.000	1306952	0.8513	Target=3.66	93.6	1730	M
399.00 > 99.00	3.065	3.088	-0.023	1.000	387059		3.38(1.83-5.49)		401	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.076	3.099	-0.023	0.899	1961752	1.13		90.5	3922	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.076	3.099	-0.023	1.000	1653885	0.9679	Target=3.97	96.8	344	M
363.00 > 169.00	3.076	3.099	-0.023	1.000	409320		4.04(1.98-5.95)		845	M
77 DONA										
377.00 > 251.00	3.110	3.132	-0.022	0.833	4139437	0.8449	Target=3.16	89.7	3859	
377.00 > 85.00	3.110	3.132	-0.022	0.833	1373390		3.01(1.58-4.73)		1653	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.404	3.439	-0.035	0.995	260191	1.22		103	714	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.404	3.439	-0.035	1.000	449762	0.9598		101	158	M
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.404	3.439	-0.035	0.911	1170715	0.9422	Target=5.14	99.0	1846	M
449.00 > 99.00	3.404	3.439	-0.035	0.911	243483		4.81(2.57-7.72)		682	M
D 14 13C4 PFOA										
417.00 > 372.00	3.413	3.448	-0.035	0.997	2250833	1.15		92.3	5409	M
* 62 13C2 PFOA										
415.00 > 370.00	3.421	3.448	-0.027		2355894	1.25			5061	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.421	3.448	-0.027	1.003	1867451	0.9701	Target=2.79	97.0	143	M
413.00 > 169.00	3.421	3.448	-0.027	1.003	651331		2.87(1.40-4.19)		806	M
D 18 13C4 PFOS										
503.00 > 80.00	3.735	3.764	-0.029	1.092	1063059	1.23		103	2573	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.735	3.764	-0.029	1.000	947593	0.8759	Target=5.11	94.4	553	M
499.00 > 99.00	3.725	3.764	-0.039	0.997	204891		4.62(2.55-7.66)		325	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.754	3.783	-0.029	1.003	1701308	0.9736	Target=8.55	97.4	335	
463.00 > 169.00	3.754	3.783	-0.029	1.003	200325		8.49(4.28-12.83)		1115	M
D 19 13C5 PFNA										
468.00 > 423.00	3.745	3.783	-0.038	1.094	2105677	1.11		88.9	3159	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.892	3.928	-0.036	1.042	2224252	0.8958		96.1	4705	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.023	4.050	-0.027	1.077	776143	0.9505	Target=2.53	99.0	2461	M
549.00 > 99.00	4.023	4.050	-0.027	1.077	302327		2.57(1.27-3.80)		996	M
D 23 13C2 PFDA										
515.00 > 470.00	4.050	4.081	-0.031	1.184	2358525	1.22		97.7	3701	

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	4.050	4.081	-0.031	1.000	1922662	0.9396	Target=10.26	94.0	695	M
513.00 > 169.00	4.050	4.081	-0.031	1.000	183745		10.46(5.13-15.38)		365	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.061	4.093	-0.032	1.187	308042	1.18		98.4	1335	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.061	4.093	-0.032	1.000	390731	0.9393		98.1	1450	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.115	4.150	-0.035	1.000	1580738	0.9562		95.6	2245	M
D 21 13C8 FOSA										
506.00 > 78.00	4.115	4.150	-0.035	1.203	1978015	1.25		99.9	2846	
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.195	4.228	-0.033	1.226	369480	0.9394		75.2	447	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.195	4.228	-0.033	1.000	265369	1.03		103	505	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.297	4.331	-0.034	1.150	553908	0.8591	Target=2.51	89.1	2975	
599.00 > 99.00	4.297	4.331	-0.034	1.150	221710		2.50(1.25-3.76)		1180	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.331	4.353	-0.022	1.266	1969276	1.11		89.1	4224	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.331	4.353	-0.022	1.000	1604929	1.01	Target=9.88	101	670	
563.00 > 169.00	4.319	4.353	-0.034	0.997	162838		9.86(4.94-14.82)		1446	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.342	4.365	-0.023	1.003	262804	0.9662		96.6	982	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.331	4.365	-0.034	1.266	379766	0.9806		78.4	1092	
66 11-Chloroeicosafuoro-3-oxaundec										M
631.00 > 451.00	4.421	4.454	-0.033	1.184	2981272	0.7789		82.7	4154	M
37 Perfluorododecanoic acid										
613.00 > 569.00	4.567	4.591	-0.024	1.000	1432084	0.9341	Target=7.77	93.4	175	
613.00 > 169.00	4.567	4.591	-0.024	1.000	194877		7.35(3.89-11.66)		936	
D 36 13C2 PFDaA										M
615.00 > 570.00	4.567	4.591	-0.024	1.335	1808811	1.00		80.3	2852	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.580	4.612	-0.032	1.128	193694	0.7749		80.4	734	M
75 Perfluorododecanesulfonic acid (
699.00 > 80.00	4.740	4.776	-0.036	1.269	235094	0.8618	Target=0.50	89.0	3234	
699.00 > 99.00	4.740	4.776	-0.036	1.269	437066		0.54(0.25-0.76)		4038	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.776	4.804	-0.028	1.046	1351843	0.9220	Target=5.21	92.2	127	M
663.00 > 169.00	4.776	4.804	-0.028	1.046	250404		5.40(2.60-7.81)		1080	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	4.972	5.012	-0.040	1.000	163765	0.9487	Target=0.89	94.9	1422	
713.00 > 219.00	4.972	5.012	-0.040	1.000	182145		0.90(0.44-1.33)		1525	M
D 43 13C2 PFTeDA										
715.00 > 670.00	4.972	5.012	-0.040	1.453	1576187	1.01		80.9	3629	

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	5.333	5.367	-0.034	1.000	1449020	1.00	Target=5.65	99.8	165	M
813.00 > 169.00	5.333	5.367	-0.034	1.000	250088		5.79(2.82-8.47)		1202	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.333	5.367	-0.034	1.559	1939795	1.01		80.5	4390	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.686	5.722	-0.036	1.066	1120697	0.8769	Target=6.24	87.7	158	M
913.00 > 169.00	5.677	5.722	-0.045	1.064	180847		6.20(3.12-9.36)		752	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A11.d

Injection Date: 02-Dec-2022 13:30:29

Instrument ID: LC812

Lims ID: LCS 200-186249/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#: 8

Worklist Smp#: 11

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

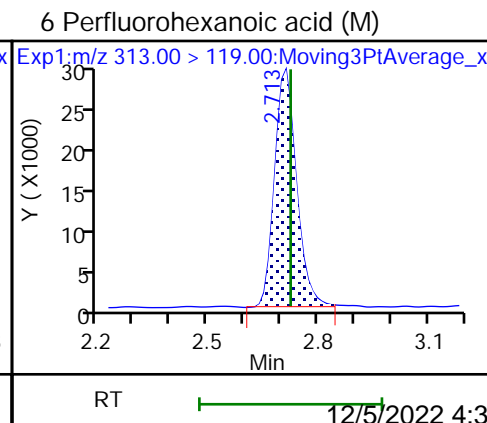
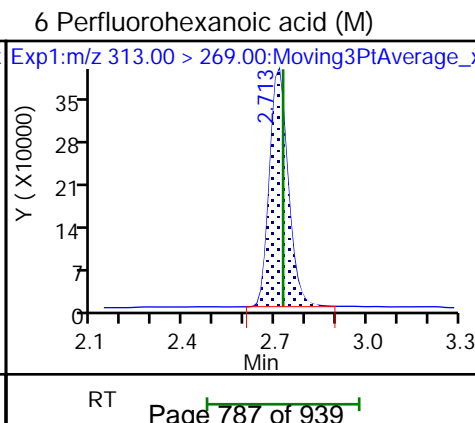
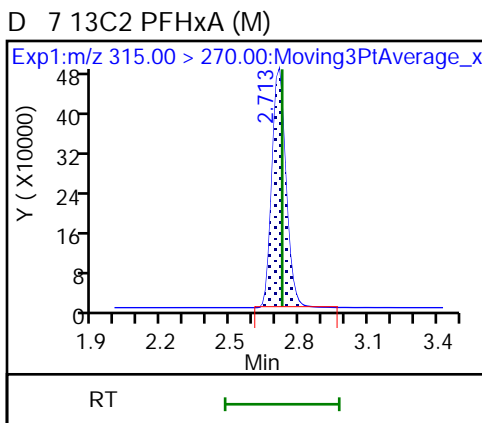
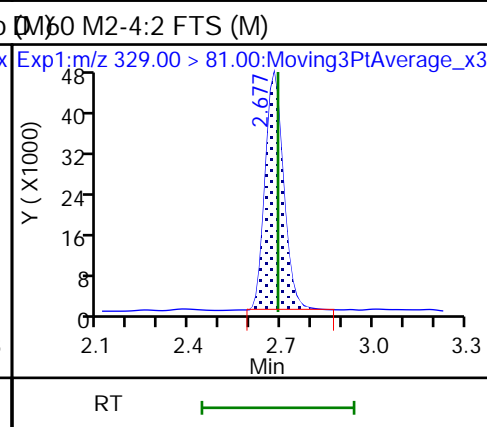
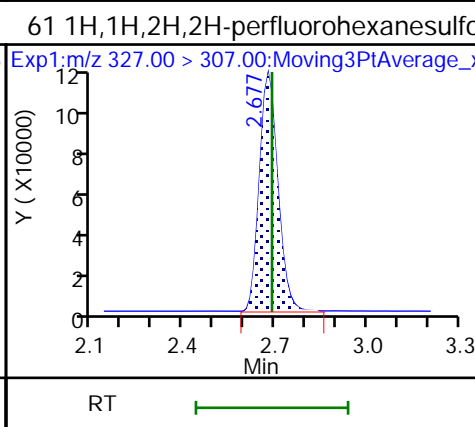
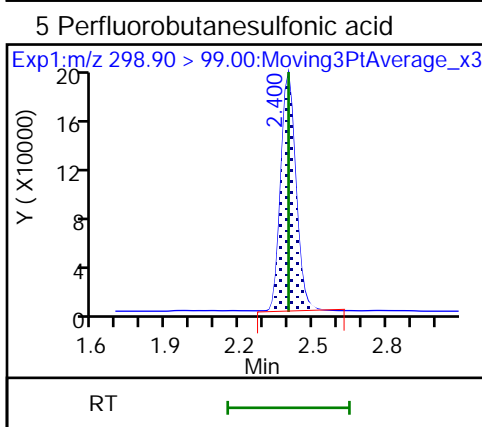
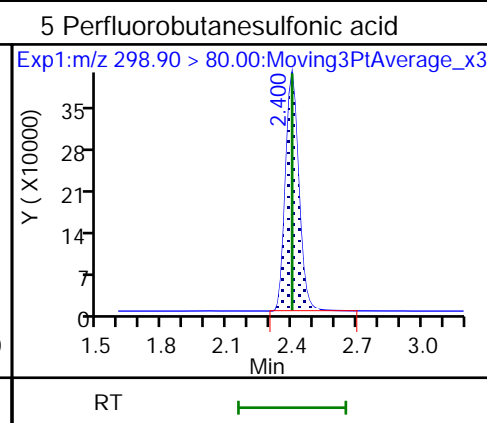
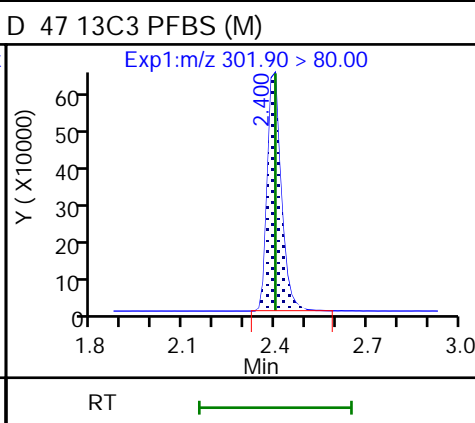
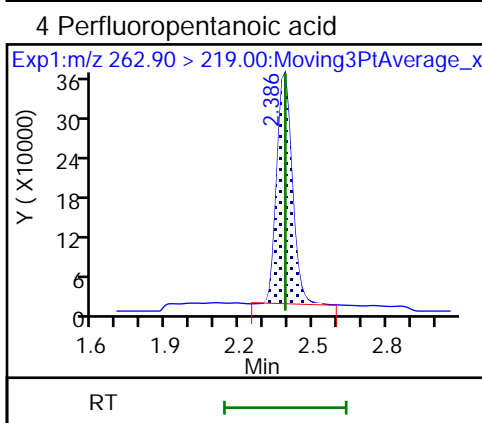
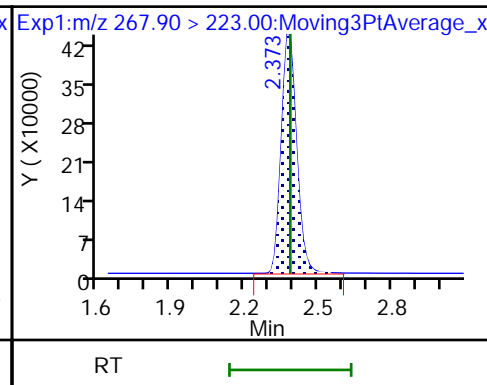
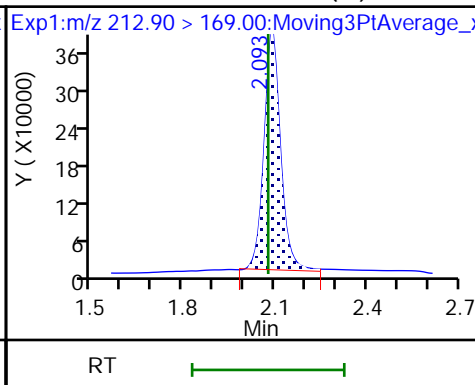
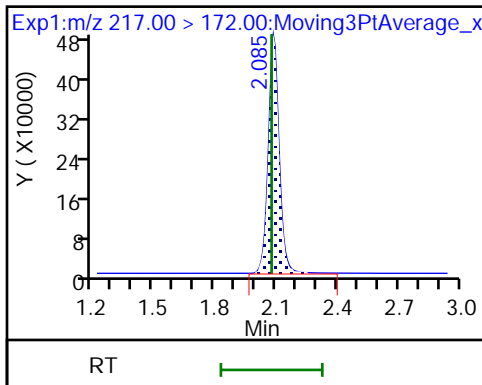
Method: PFC_LC812

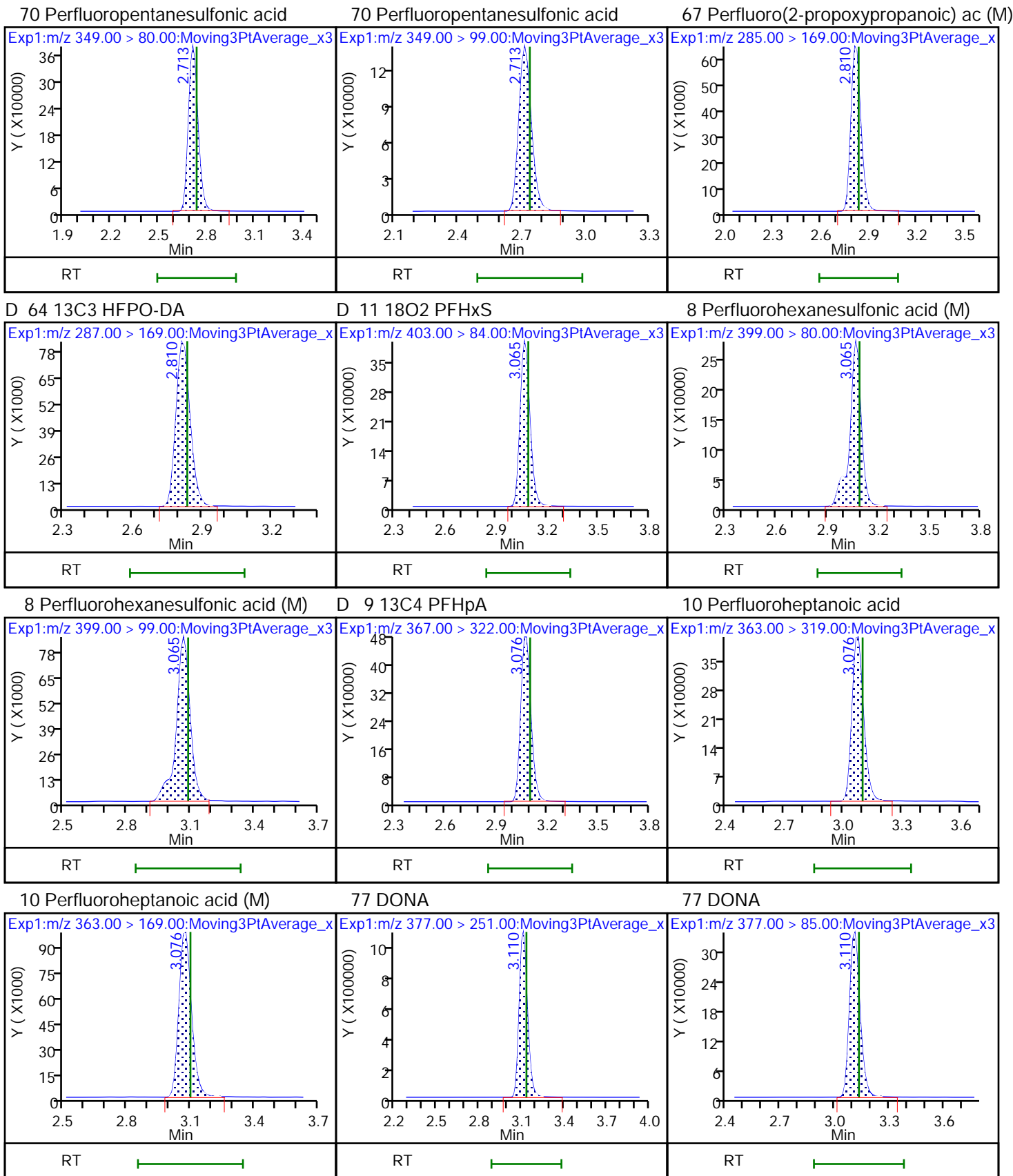
Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

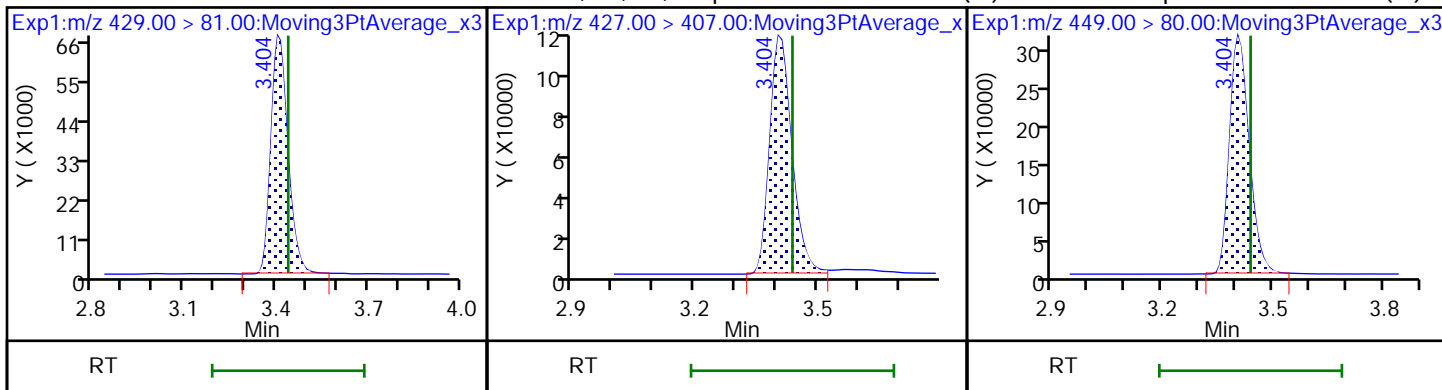
D 3 13C5 PFPeA





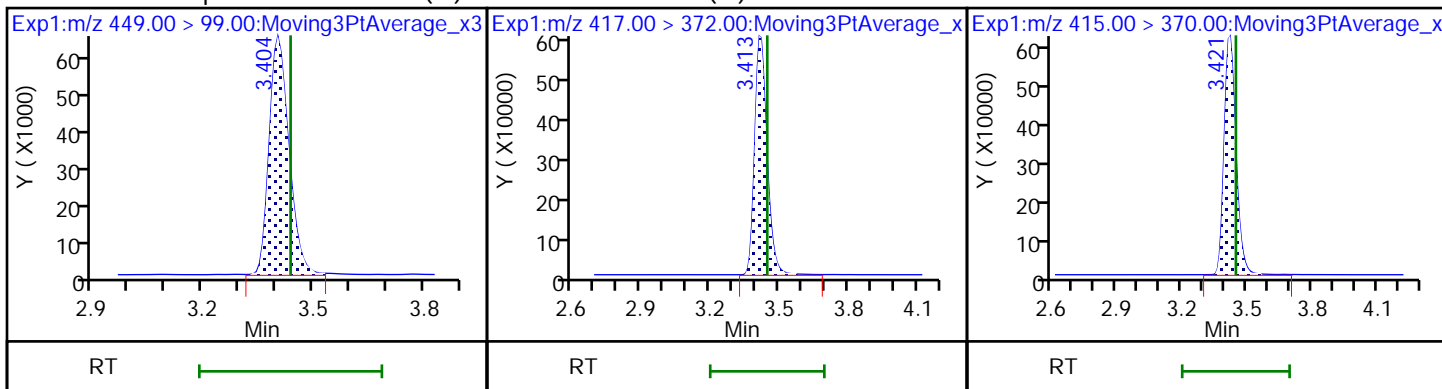
D 12 M2-6:2 FTS

13 1H,1H,2H,2H-perfluorooctanesulfo (M) 6 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M) D 14 13C4 PFOA (M)

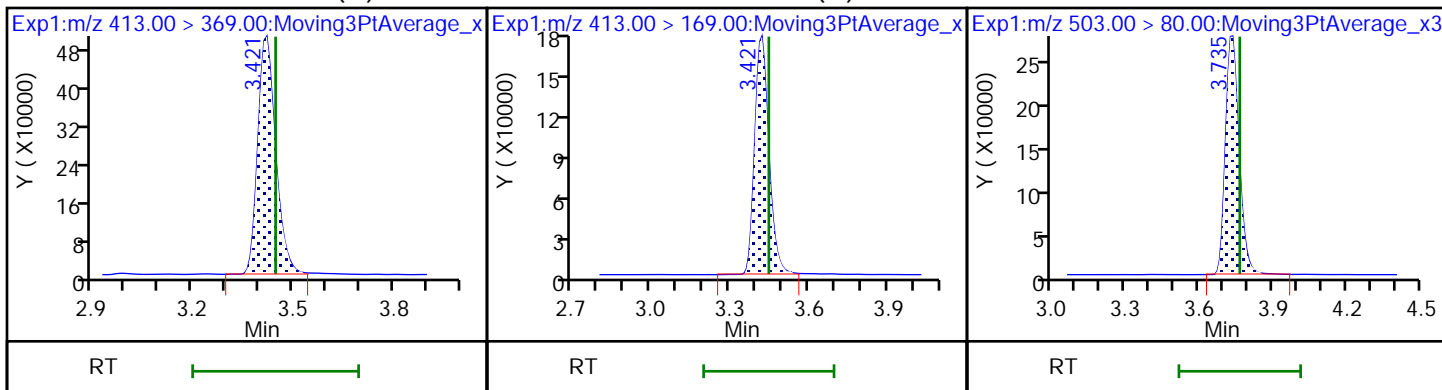
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

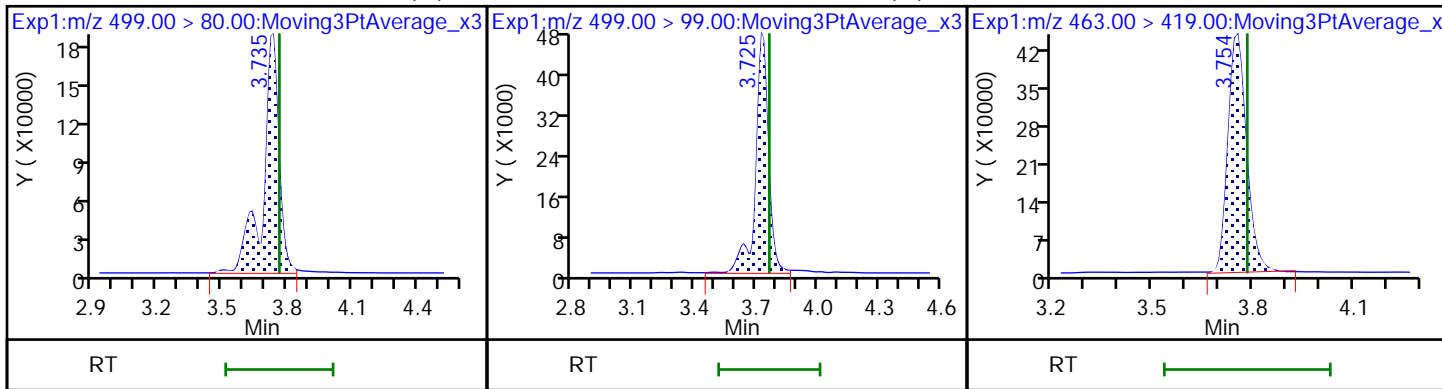
D 18 13C4 PFOS

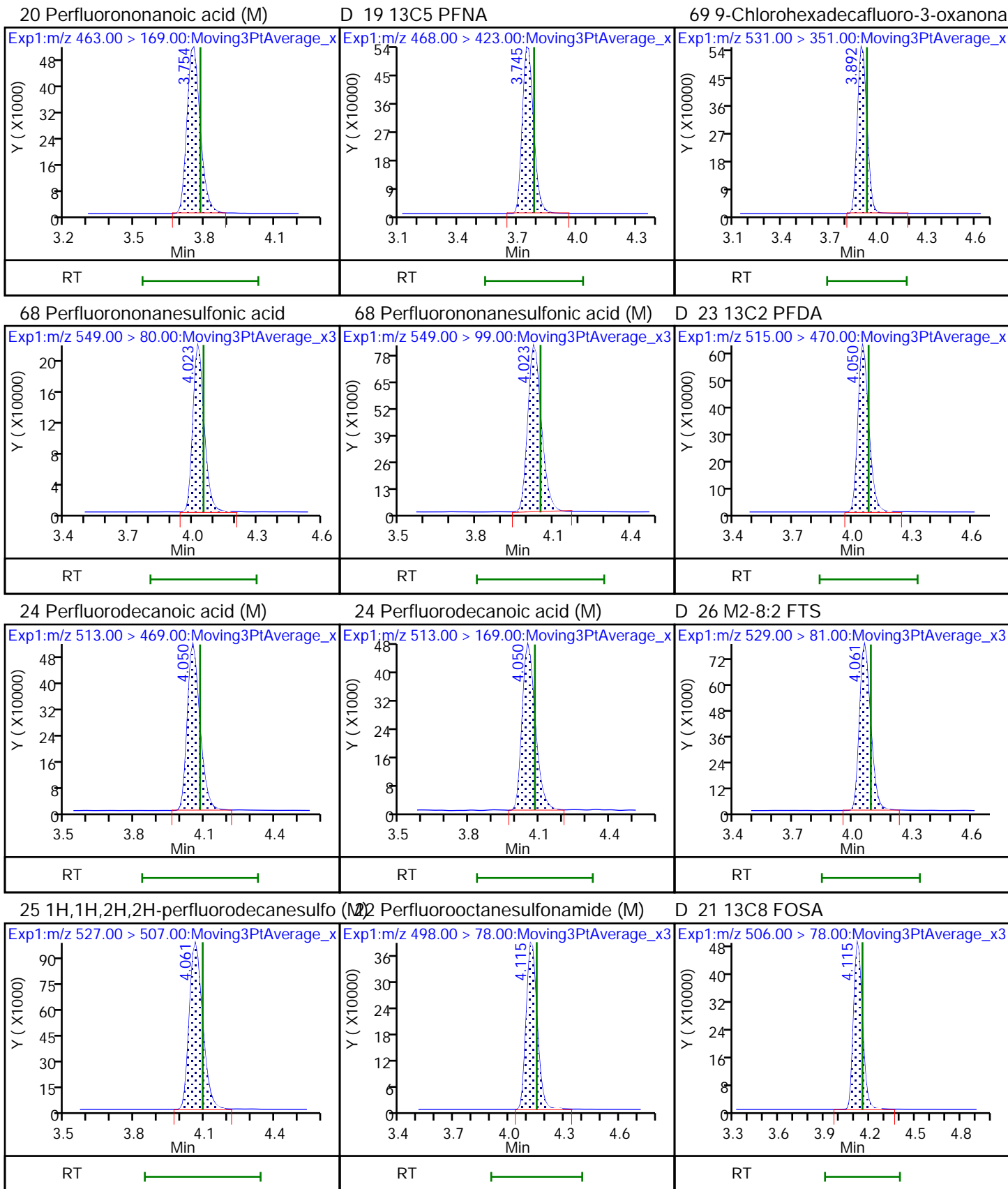


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid

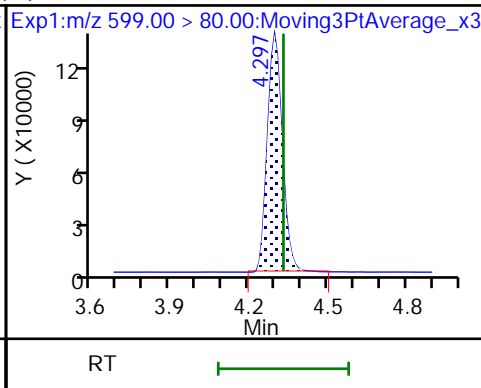
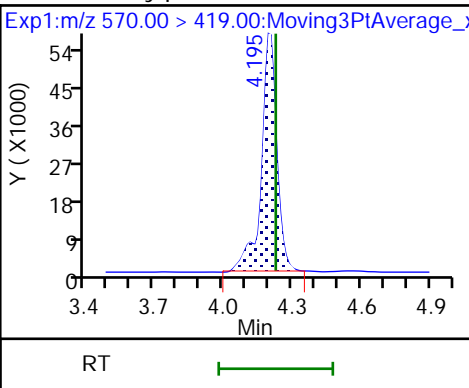
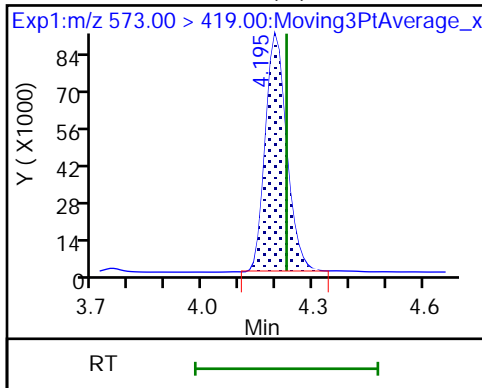




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

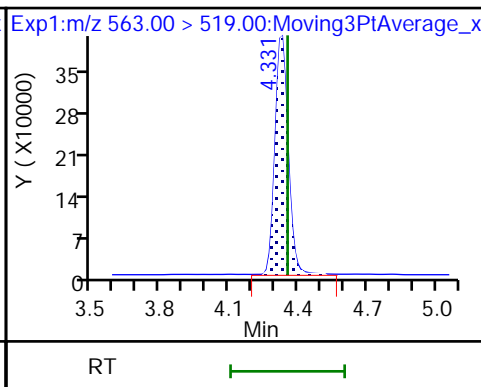
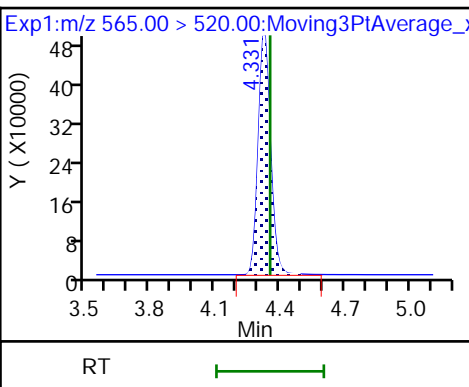
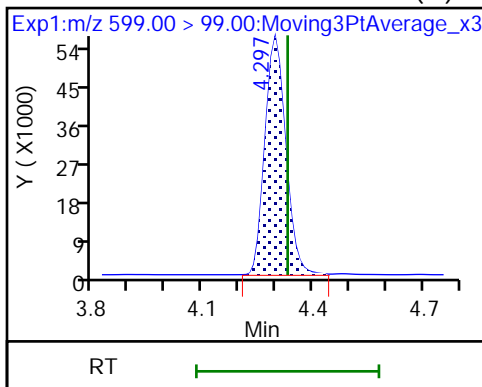
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUoA

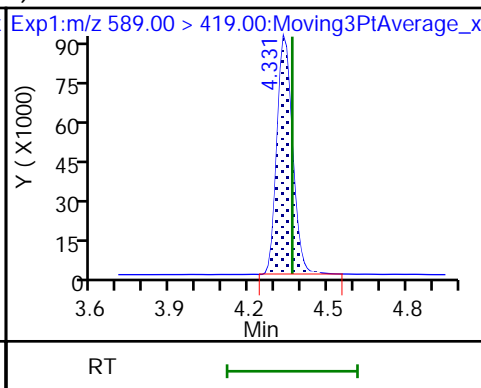
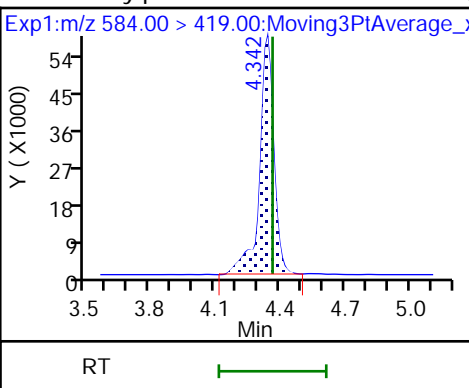
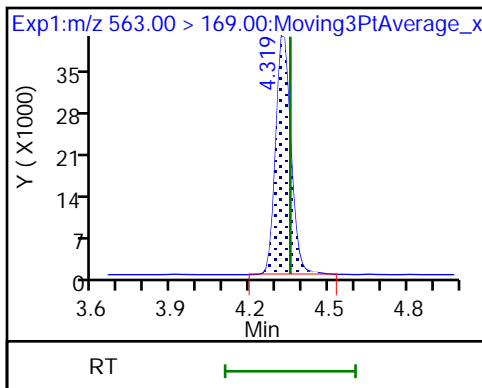
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid

33 N-ethylperfluorooctanesulfonamid (M)

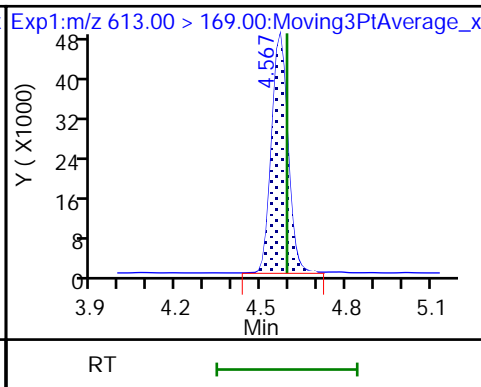
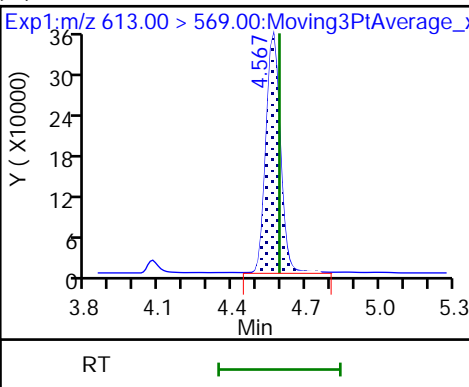
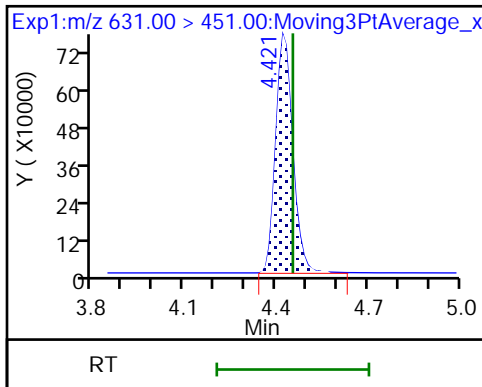
32 d5-NEtFOSAA



66 11-Chloroeicosafuoro-3-oxaundec (M)

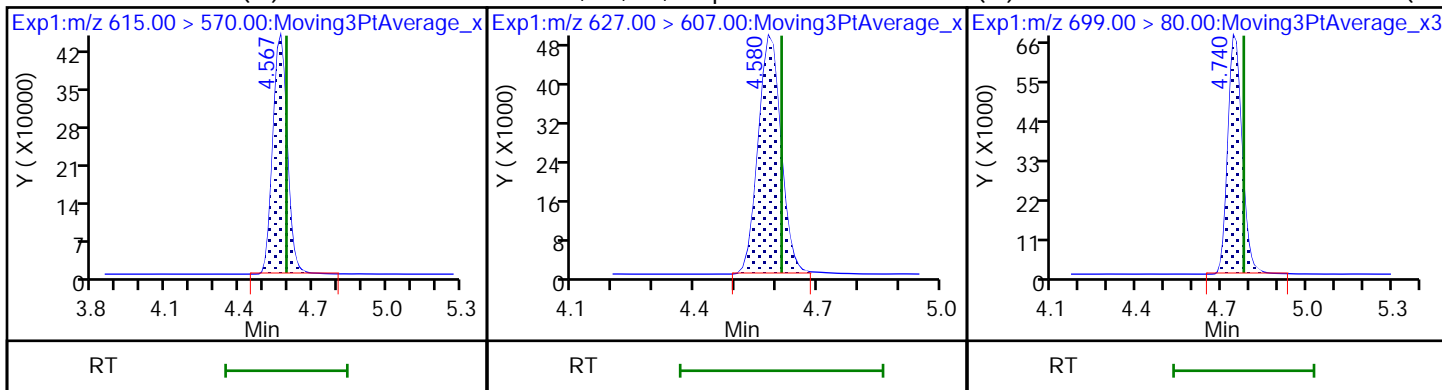
37 Perfluorododecanoic acid

37 Perfluorododecanoic acid



D 36 13C2 PFDa (M)

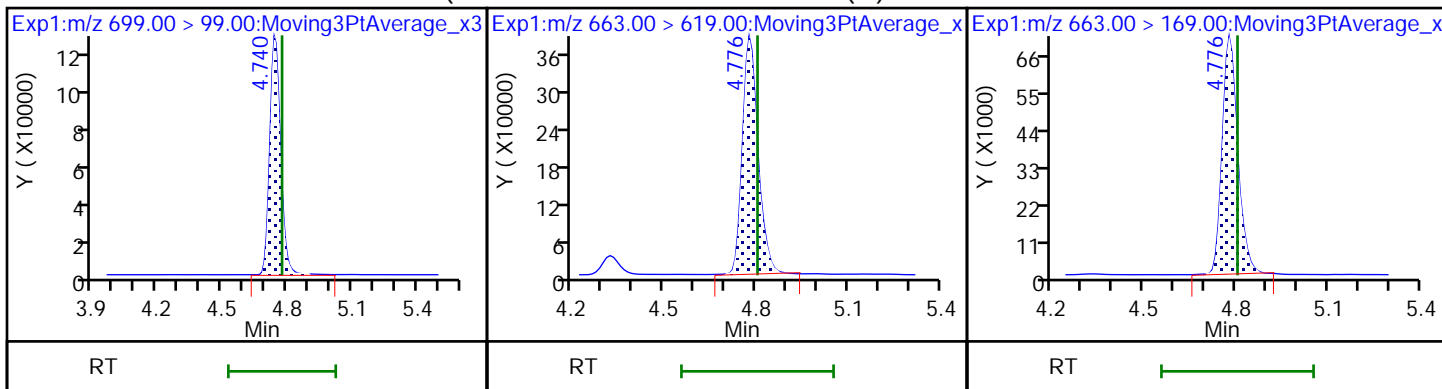
74 1H,1H,2H,2H-perfluorododecanesul (M) Perfluorododecanesulfonic acid (



75 Perfluorododecanesulfonic acid (

41 Perfluorotridecanoic acid (M)

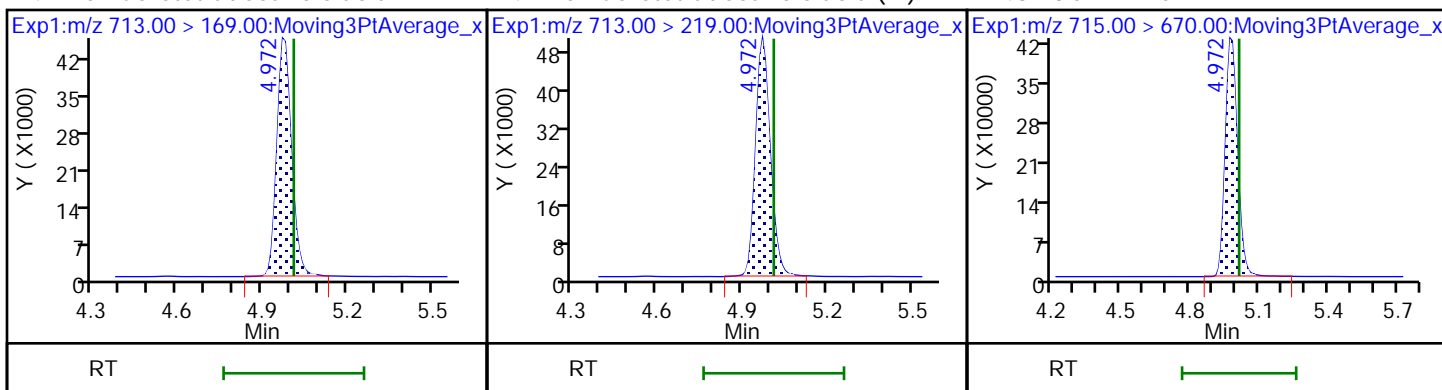
41 Perfluorotridecanoic acid



42 Perfluorotetradecanoic acid

42 Perfluorotetradecanoic acid (M)

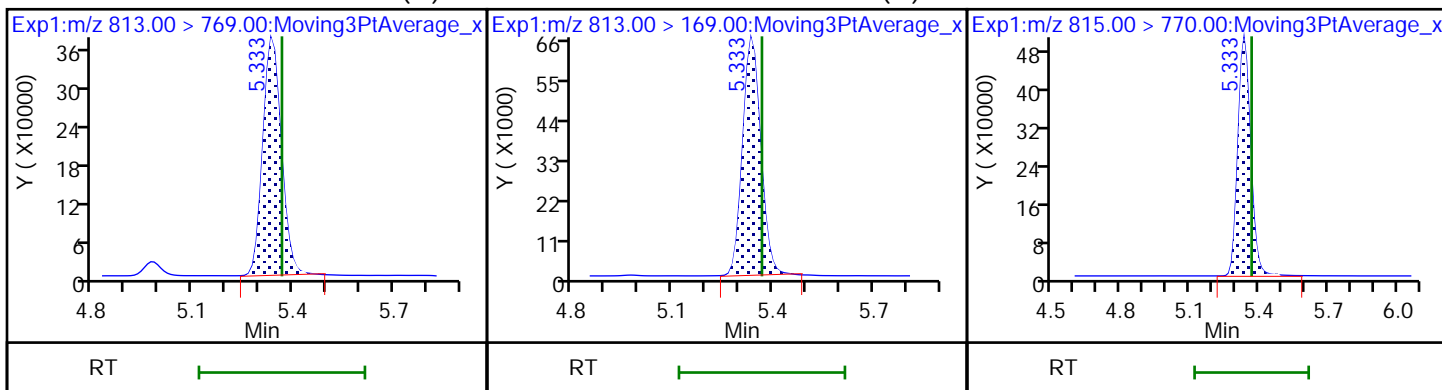
D 43 13C2 PFTeDA



45 Perfluorohexadecanoic acid (M)

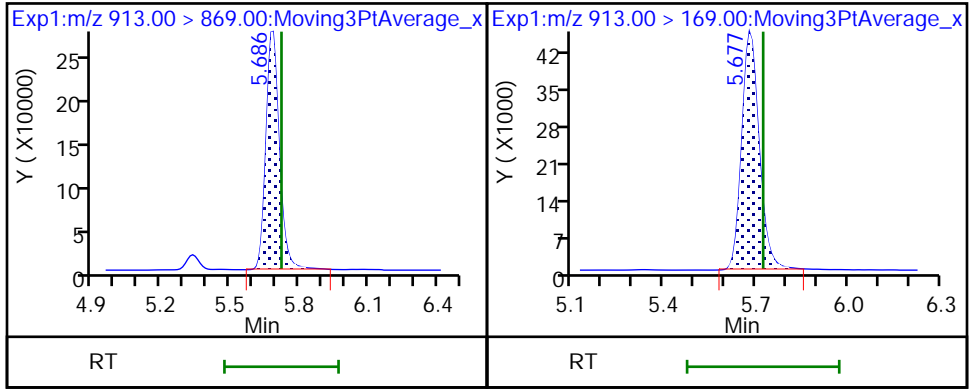
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

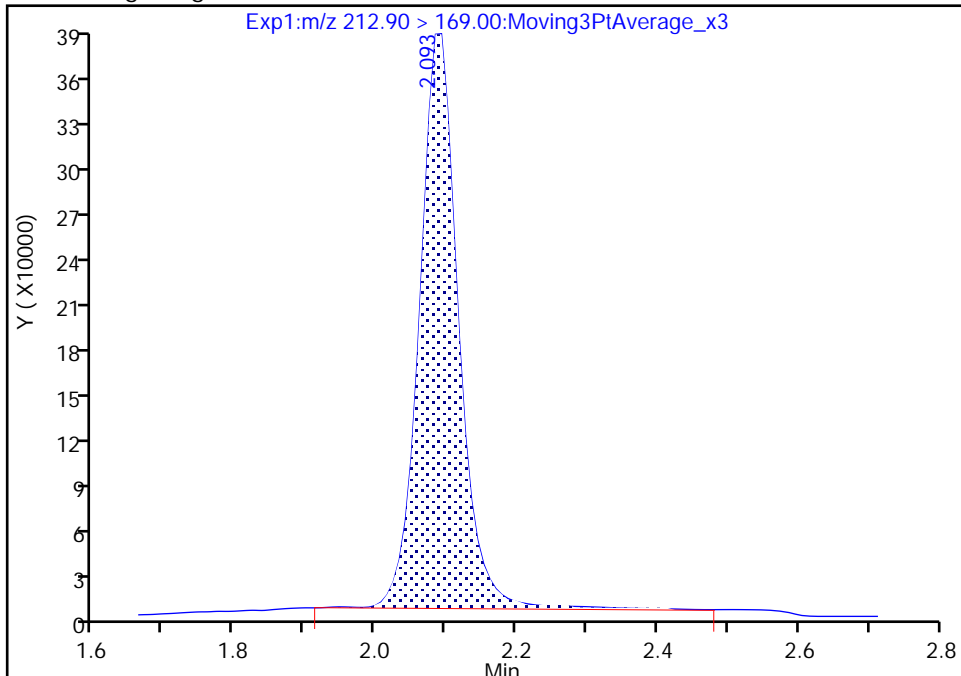
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A11.d
Injection Date: 02-Dec-2022 13:30:29 Instrument ID: LC812
Lims ID: LCS 200-186249/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

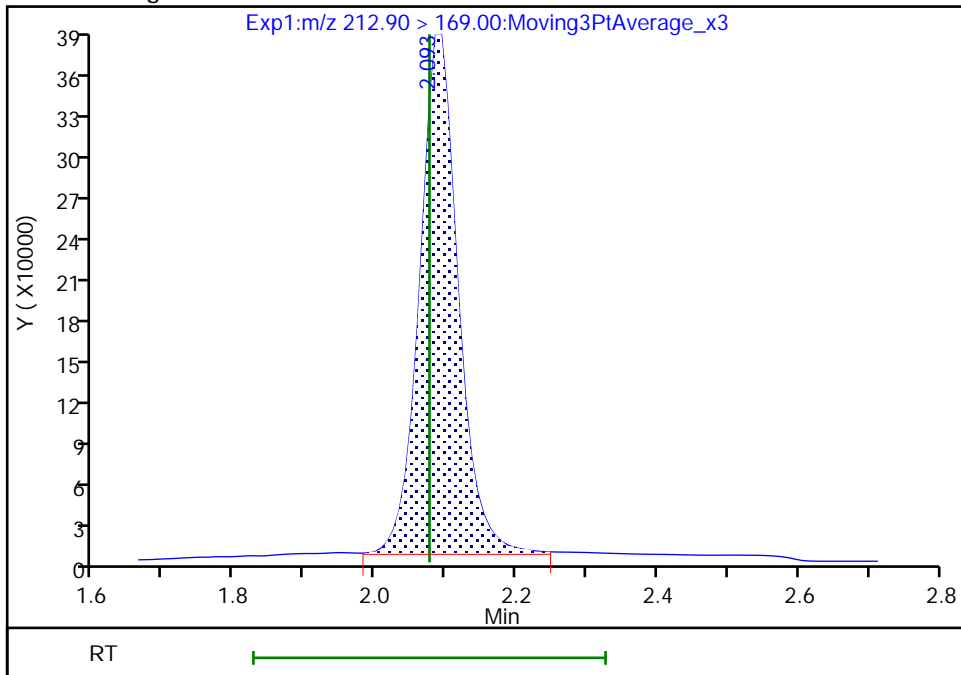
RT: 2.09
Area: 1456281
Amount: 0.988383
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 1435222
Amount: 0.974091
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:57:18
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

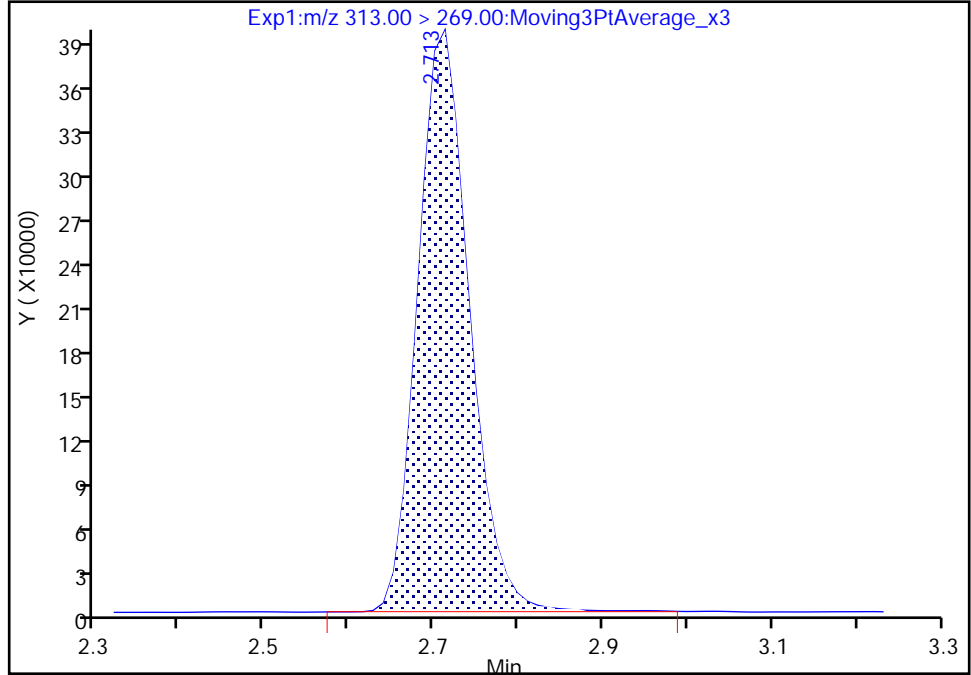
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A11.d
Injection Date: 02-Dec-2022 13:30:29 Instrument ID: LC812
Lims ID: LCS 200-186249/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

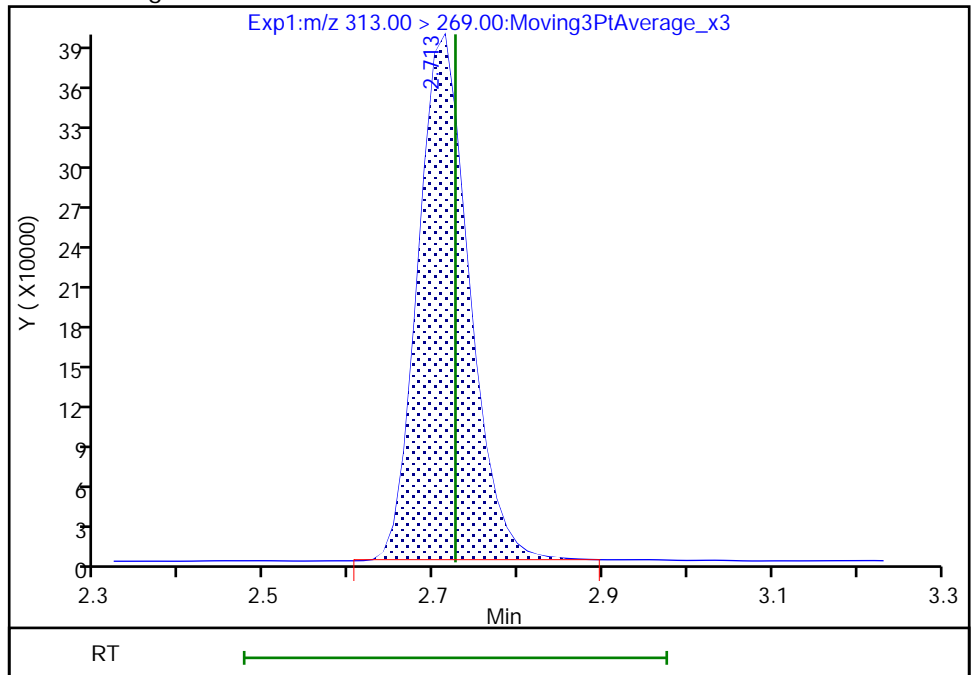
RT: 2.71
Area: 1682594
Amount: 0.942158
Amount Units: ng/ml

Processing Integration Results



RT: 2.71
Area: 1680359
Amount: 0.940906
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:57:59
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

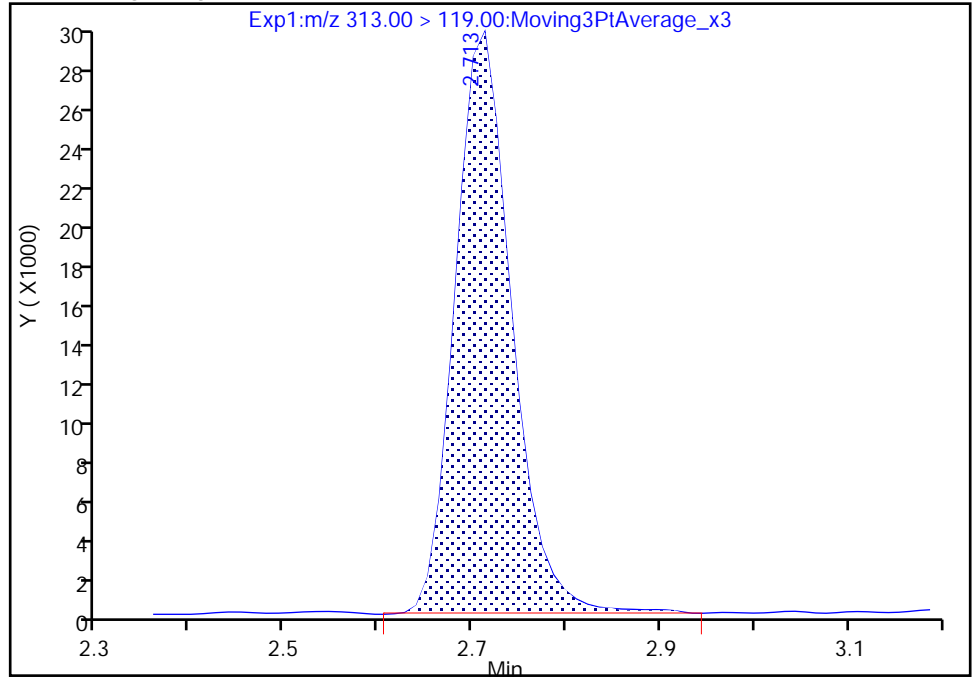
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A11.d
Injection Date: 02-Dec-2022 13:30:29 Instrument ID: LC812
Lims ID: LCS 200-186249/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

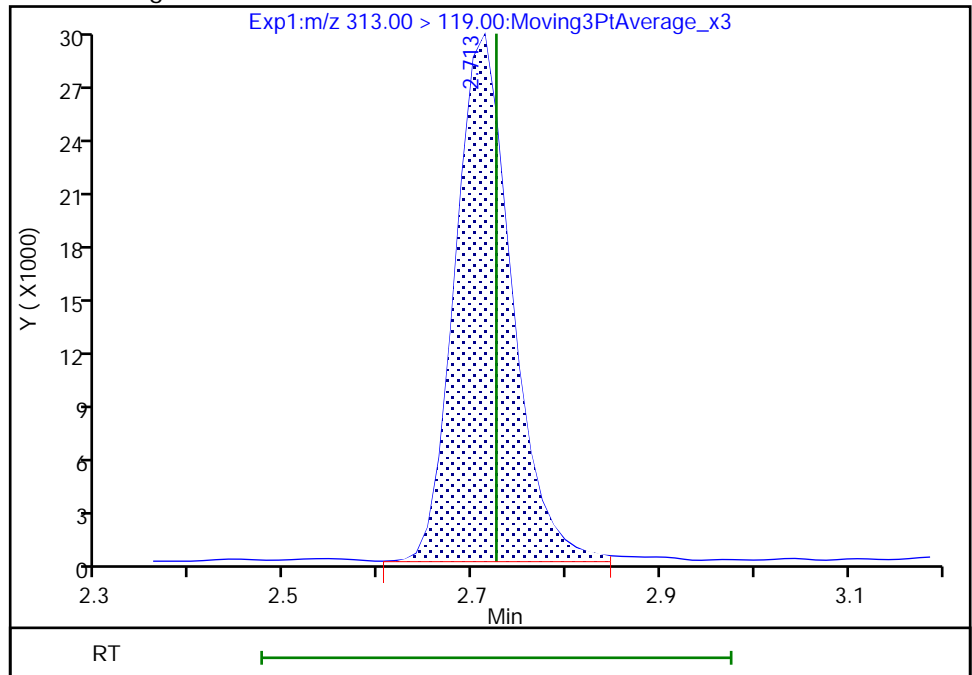
RT: 2.71
Area: 123744
Amount: 0.942158
Amount Units: ng/ml

Processing Integration Results



RT: 2.71
Area: 122840
Amount: 0.940906
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:58:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

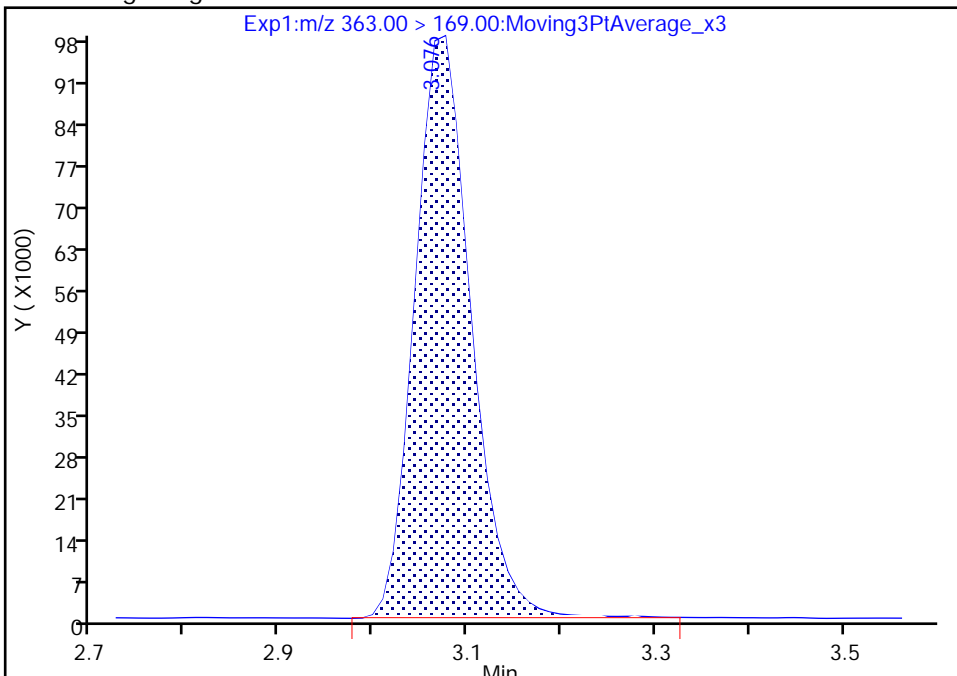
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A11.d
Injection Date: 02-Dec-2022 13:30:29 Instrument ID: LC812
Lims ID: LCS 200-186249/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

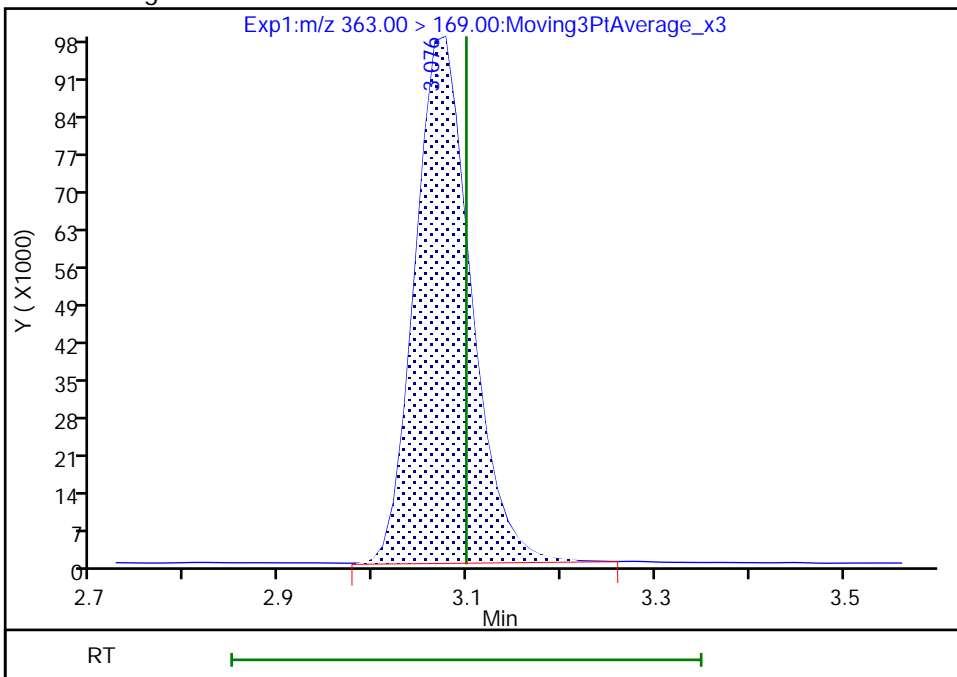
RT: 3.08
Area: 409774
Amount: 0.967899
Amount Units: ng/ml

Processing Integration Results



RT: 3.08
Area: 409320
Amount: 0.967899
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:58:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 797 of 939

Eurofins Burlington

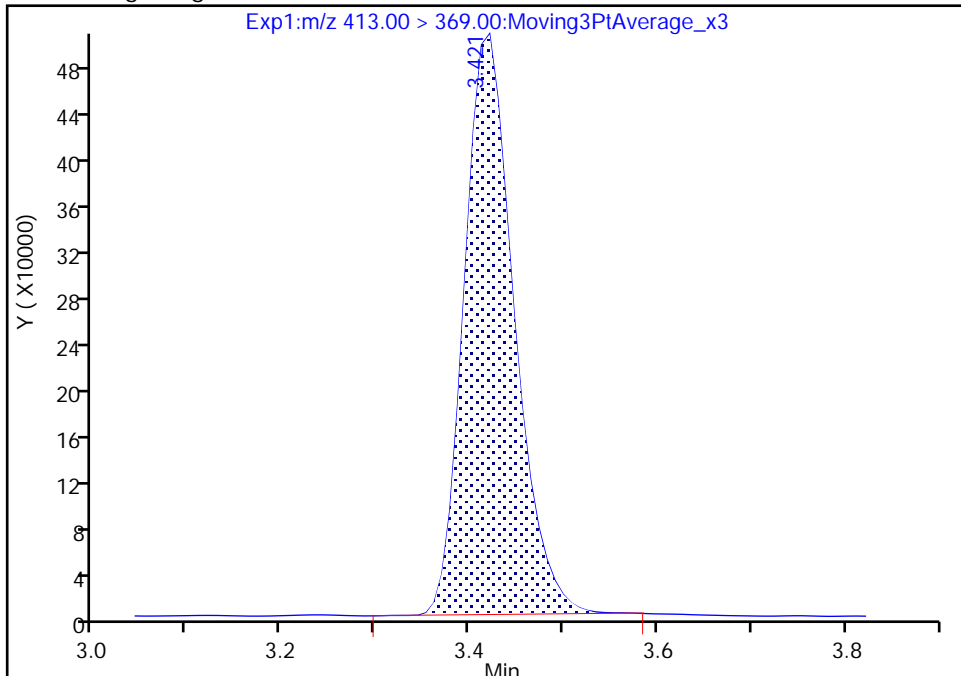
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A11.d
Injection Date: 02-Dec-2022 13:30:29 Instrument ID: LC812
Lims ID: LCS 200-186249/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

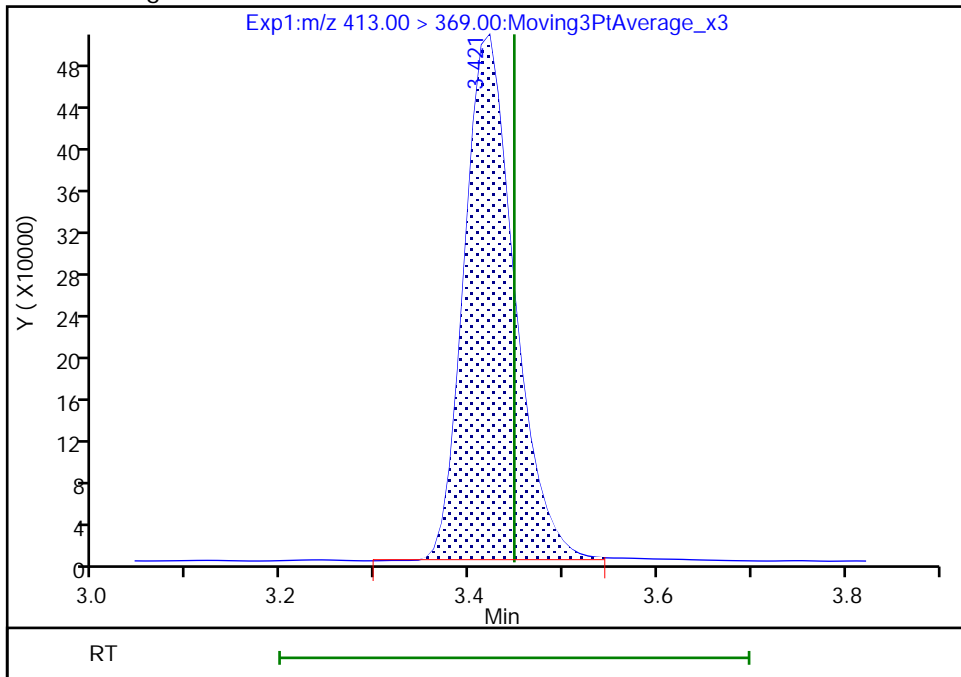
RT: 3.42
Area: 1865337
Amount: 0.969016
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 1867451
Amount: 0.970114
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:59:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

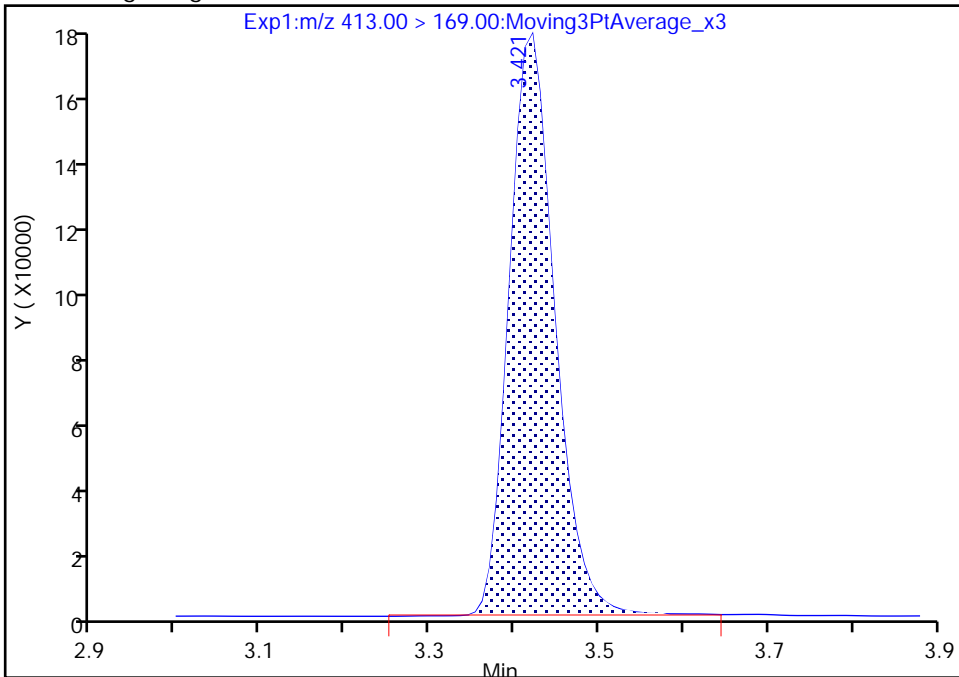
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A11.d
Injection Date: 02-Dec-2022 13:30:29 Instrument ID: LC812
Lims ID: LCS 200-186249/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

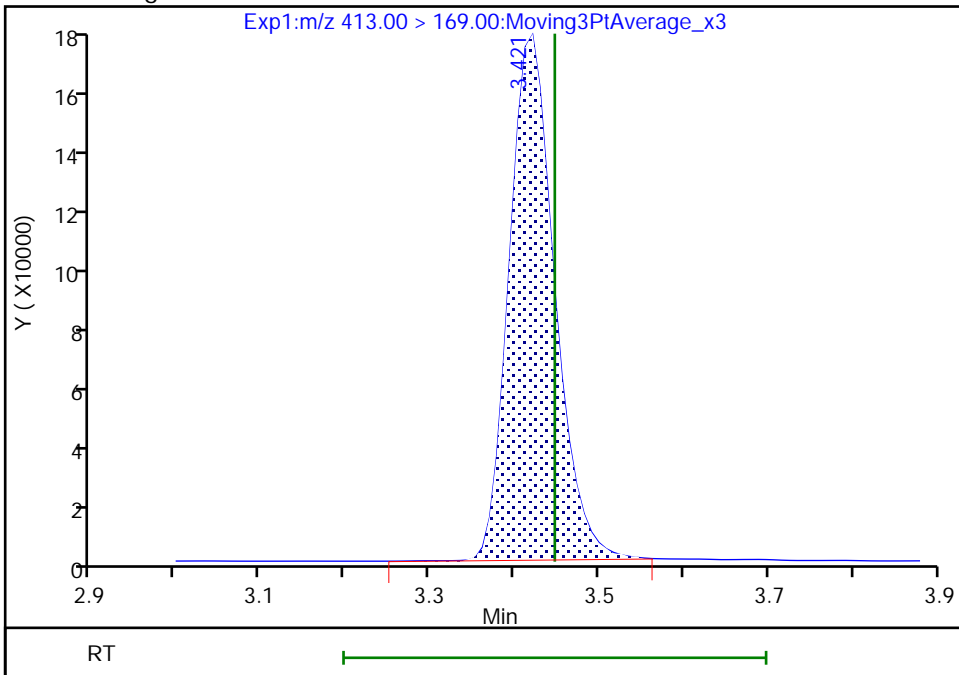
RT: 3.42
Area: 652554
Amount: 0.969016
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 651331
Amount: 0.970114
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:59:41

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 799 of 939

Eurofins Burlington

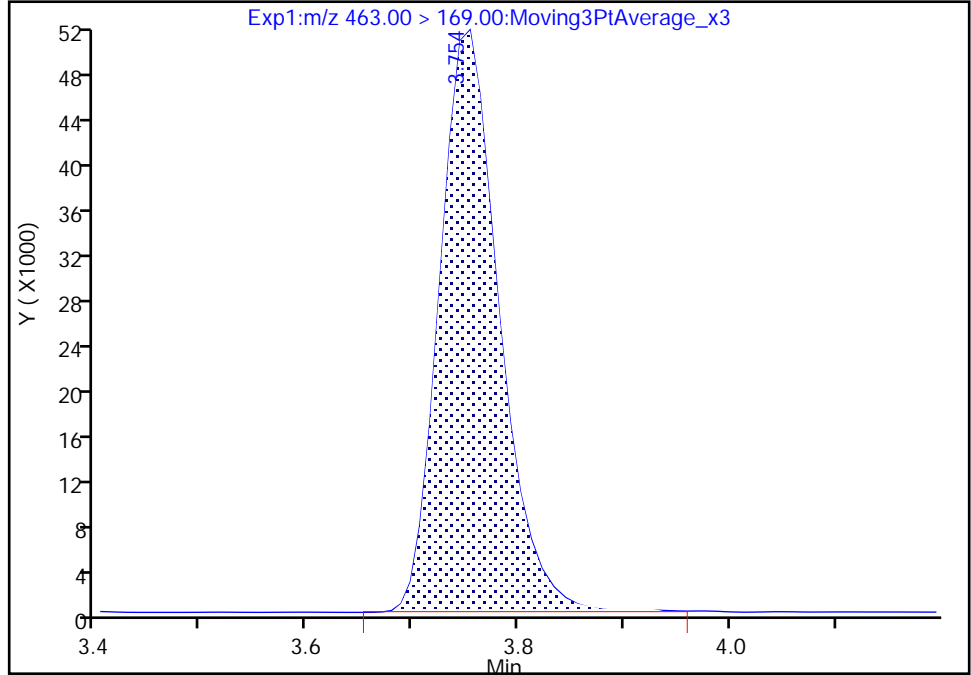
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A11.d
Injection Date: 02-Dec-2022 13:30:29 Instrument ID: LC812
Lims ID: LCS 200-186249/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

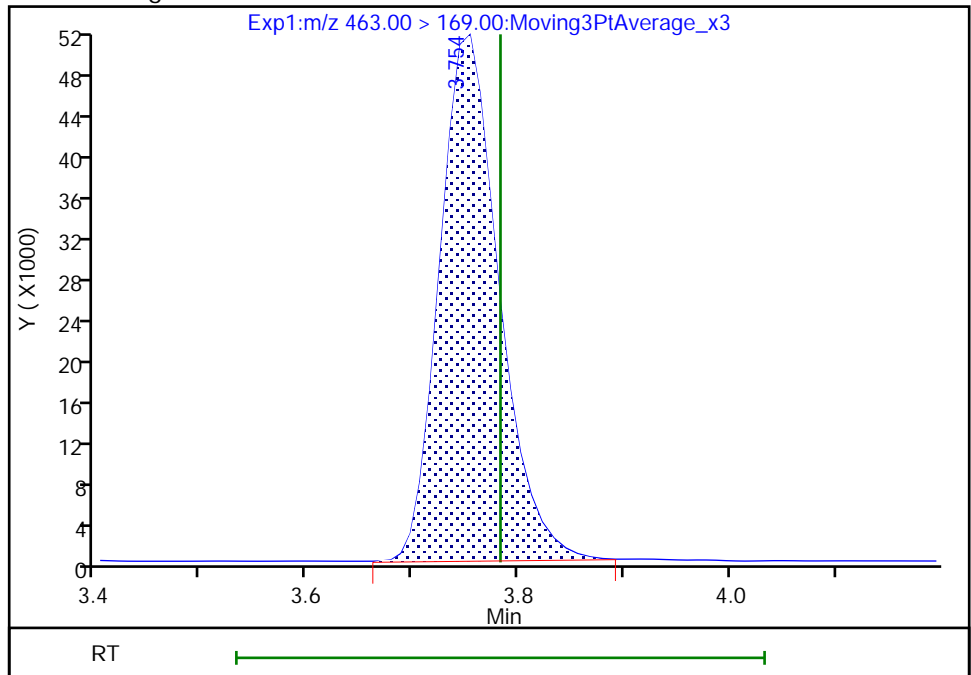
RT: 3.75
Area: 201451
Amount: 0.973585
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 200325
Amount: 0.973585
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:00:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 800 of 939

Eurofins Burlington

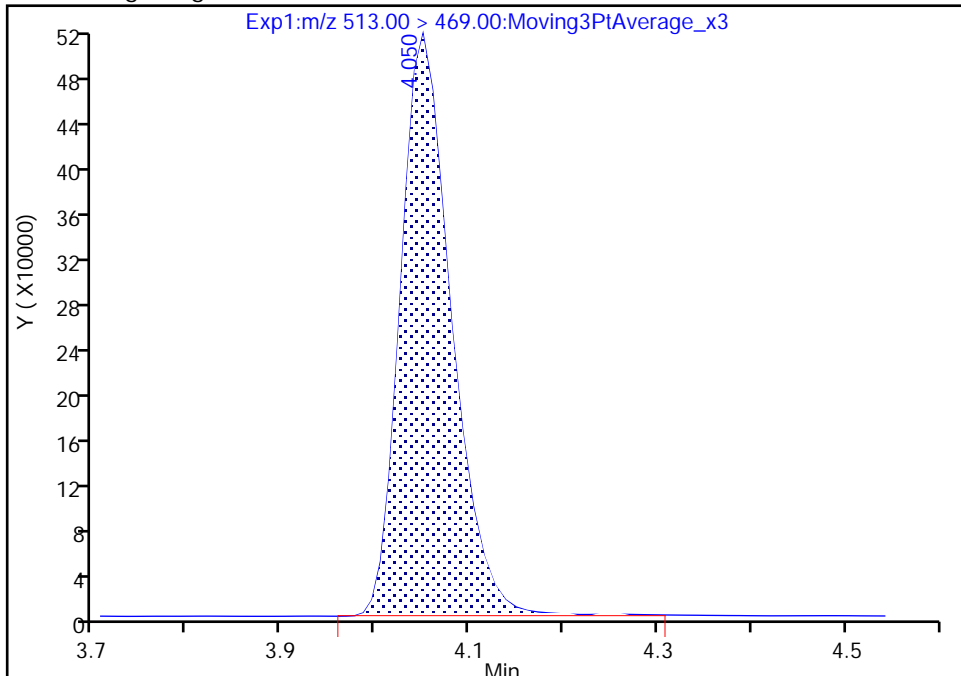
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A11.d
Injection Date: 02-Dec-2022 13:30:29 Instrument ID: LC812
Lims ID: LCS 200-186249/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

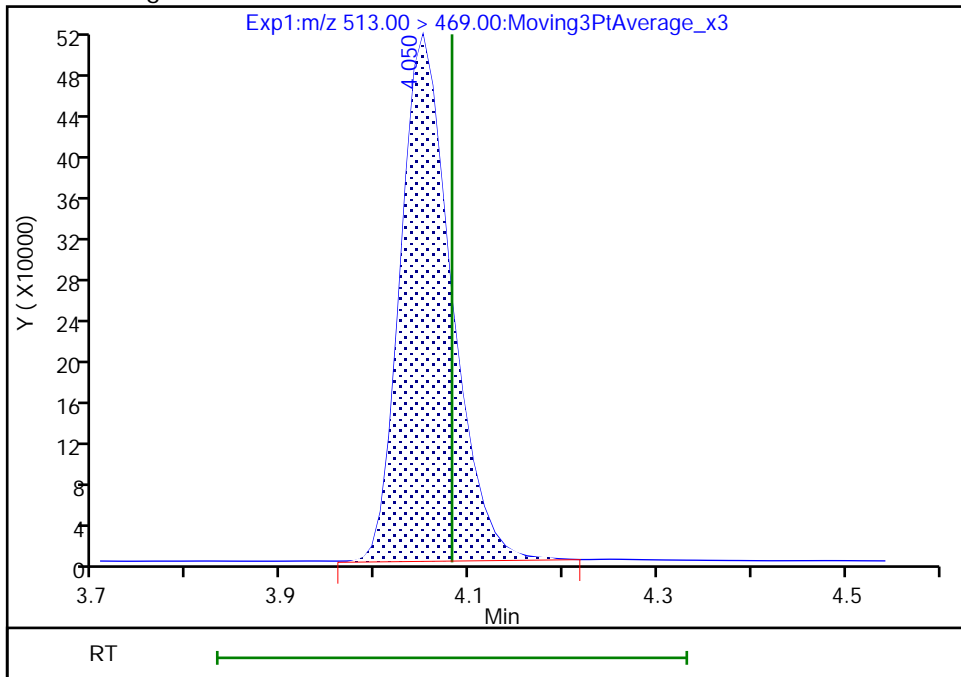
RT: 4.05
Area: 1921275
Amount: 0.938953
Amount Units: ng/ml

Processing Integration Results



RT: 4.05
Area: 1922662
Amount: 0.939631
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:01:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 801 of 939

Eurofins Burlington

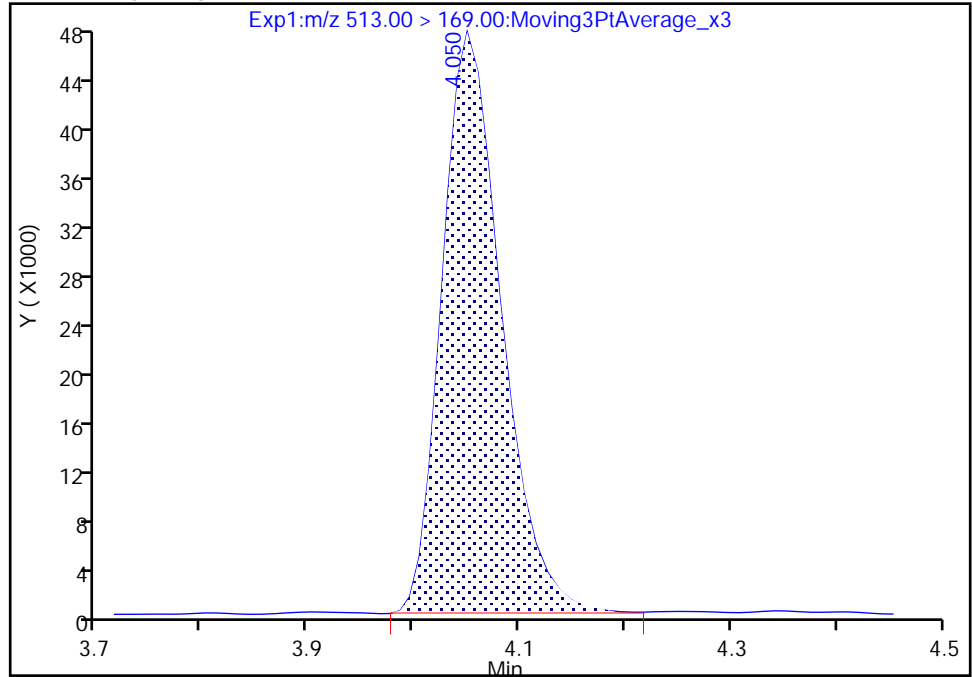
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A11.d
Injection Date: 02-Dec-2022 13:30:29 Instrument ID: LC812
Lims ID: LCS 200-186249/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

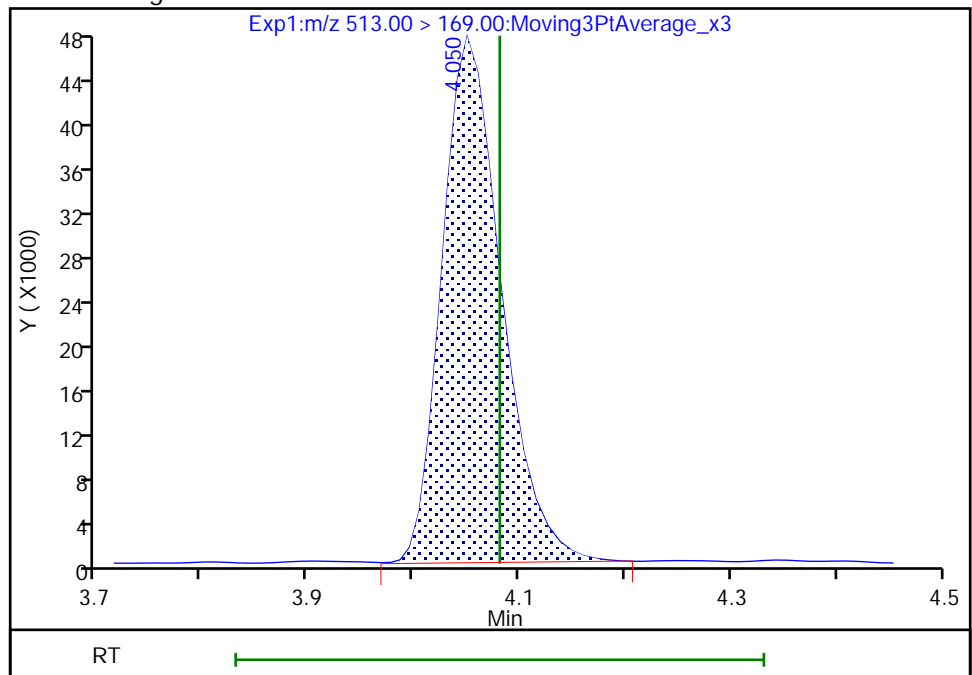
RT: 4.05
Area: 183811
Amount: 0.938953
Amount Units: ng/ml

Processing Integration Results



RT: 4.05
Area: 183745
Amount: 0.939631
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:01:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

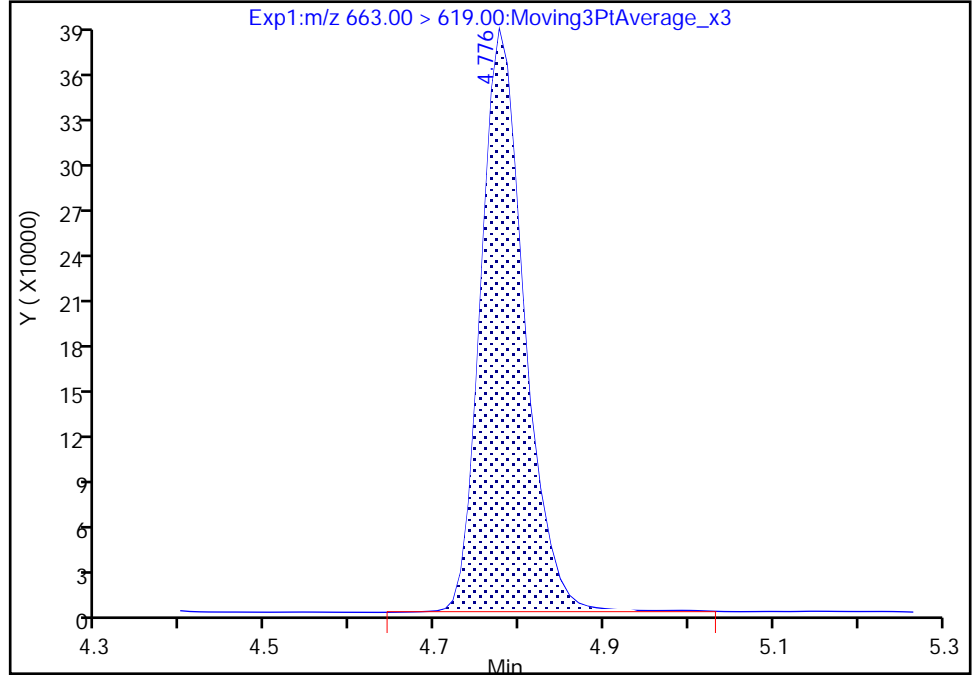
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A11.d
Injection Date: 02-Dec-2022 13:30:29 Instrument ID: LC812
Lims ID: LCS 200-186249/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

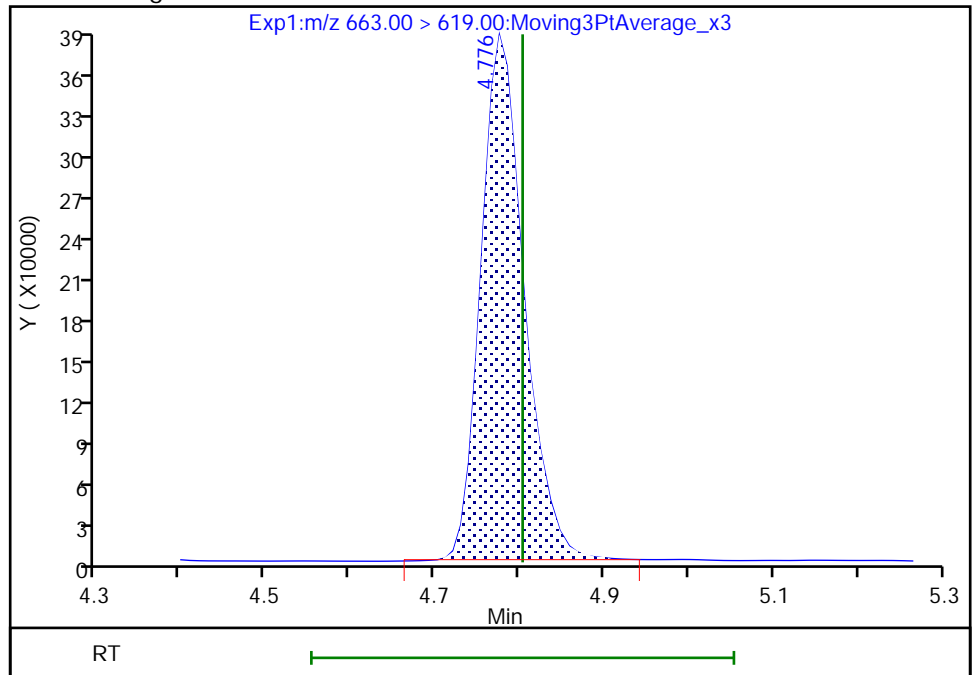
RT: 4.78
Area: 1361968
Amount: 0.928916
Amount Units: ng/ml

Processing Integration Results



RT: 4.78
Area: 1351843
Amount: 0.922010
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:02:34
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 803 of 939

Eurofins Burlington

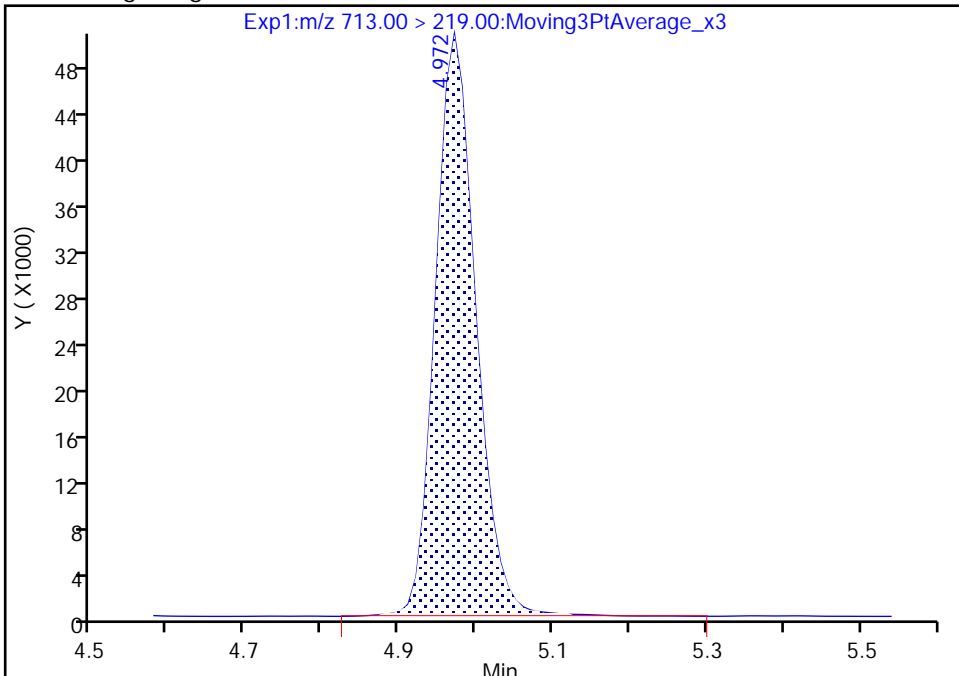
Data File:	\\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A11.d		
Injection Date:	02-Dec-2022 13:30:29	Instrument ID:	LC812
Lims ID:	LCS 200-186249/2-A		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	11

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

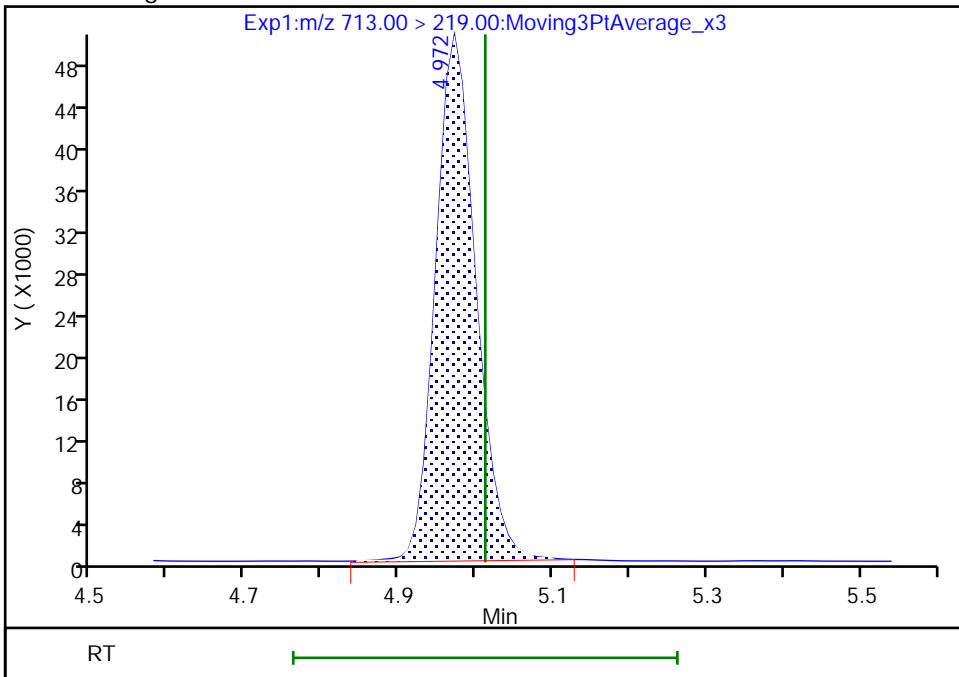
RT: 4.97
 Area: 184207
 Amount: 0.948666
 Amount Units: ng/ml

Processing Integration Results



RT: 4.97
 Area: 182145
 Amount: 0.948666
 Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:02:39
 Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

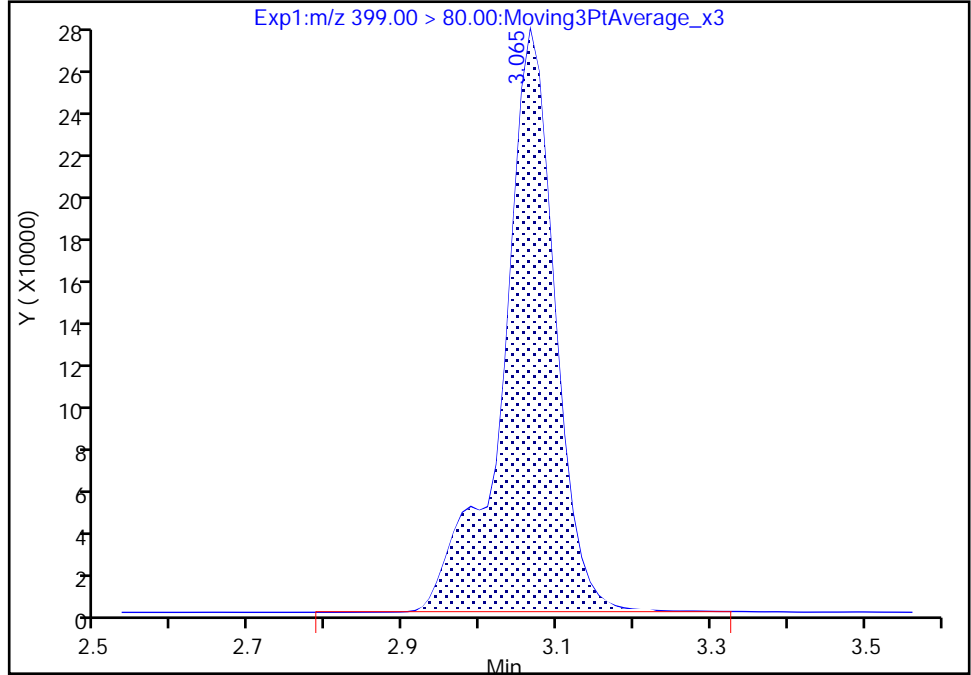
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A11.d
Injection Date: 02-Dec-2022 13:30:29 Instrument ID: LC812
Lims ID: LCS 200-186249/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

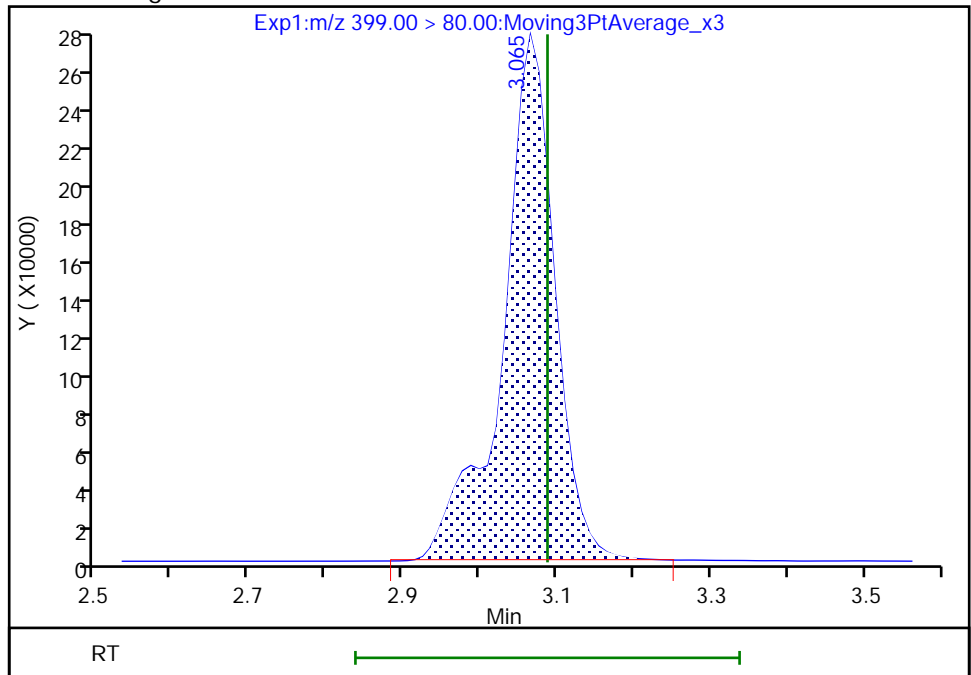
RT: 3.07
Area: 1311040
Amount: 0.853980
Amount Units: ng/ml

Processing Integration Results



RT: 3.07
Area: 1306952
Amount: 0.851317
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:58:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

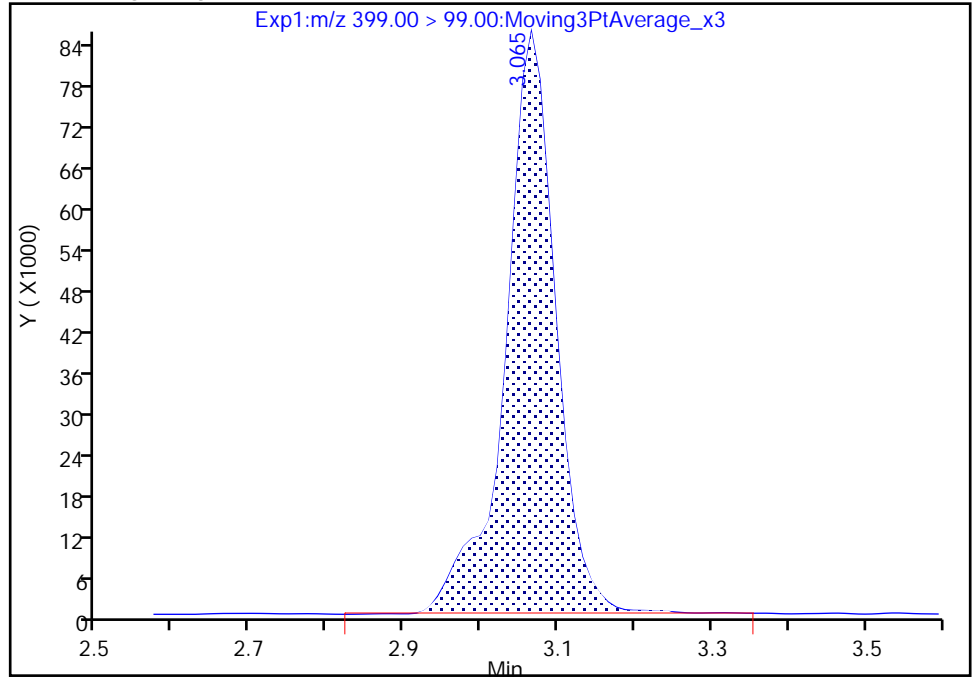
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A11.d
Injection Date: 02-Dec-2022 13:30:29 Instrument ID: LC812
Lims ID: LCS 200-186249/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

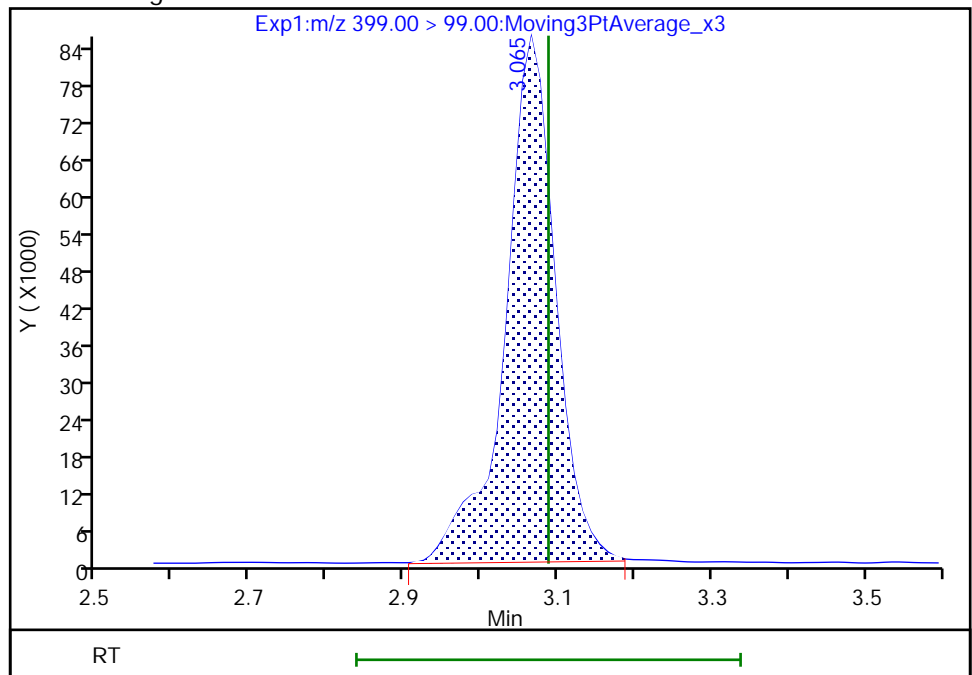
RT: 3.07
Area: 390232
Amount: 0.853980
Amount Units: ng/ml

Processing Integration Results



RT: 3.07
Area: 387059
Amount: 0.851317
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:58:36

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

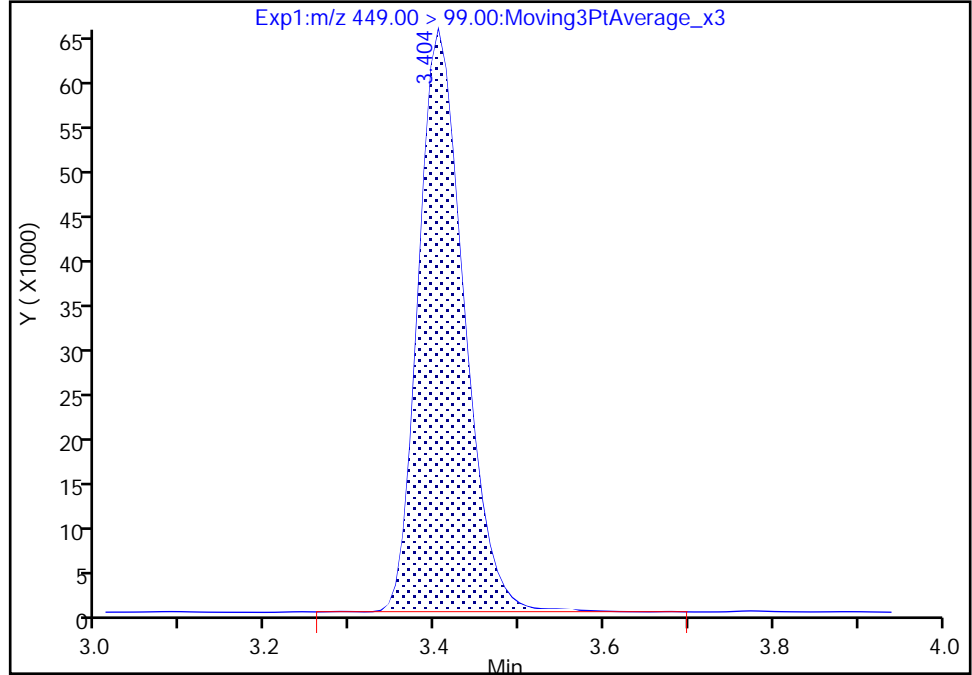
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A11.d
Injection Date: 02-Dec-2022 13:30:29 Instrument ID: LC812
Lims ID: LCS 200-186249/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

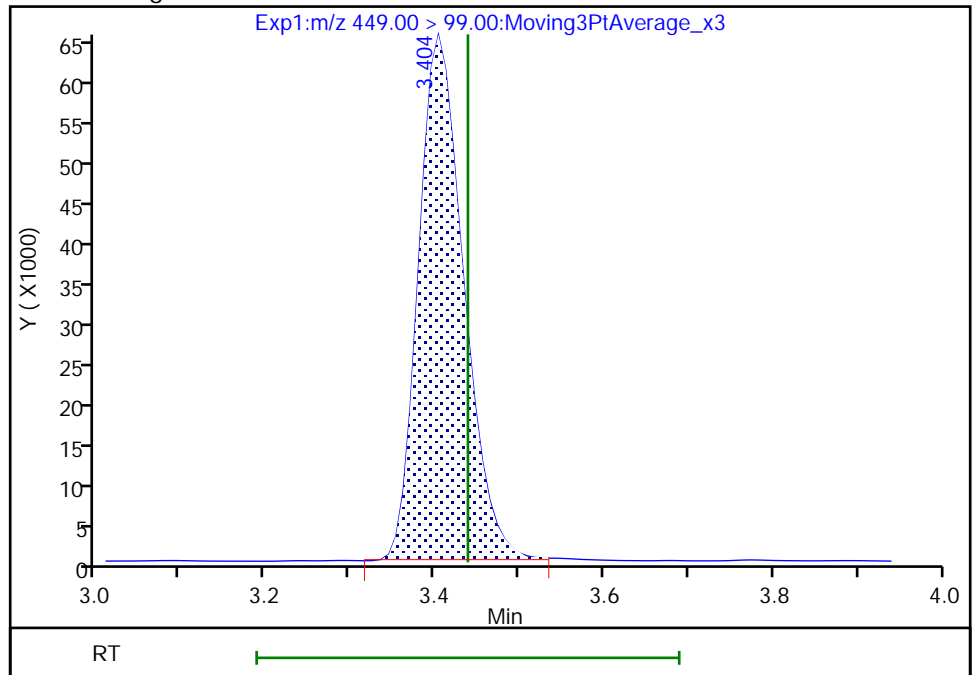
RT: 3.40
Area: 245645
Amount: 0.946787
Amount Units: ng/ml

Processing Integration Results



RT: 3.40
Area: 243483
Amount: 0.942221
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:59:21
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

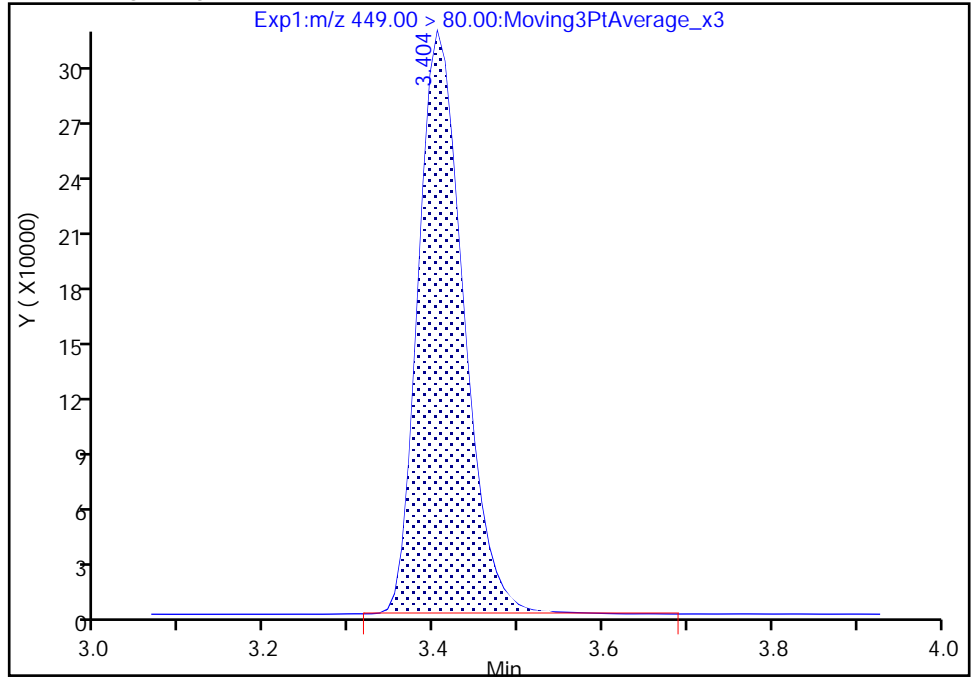
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A11.d
Injection Date: 02-Dec-2022 13:30:29 Instrument ID: LC812
Lims ID: LCS 200-186249/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

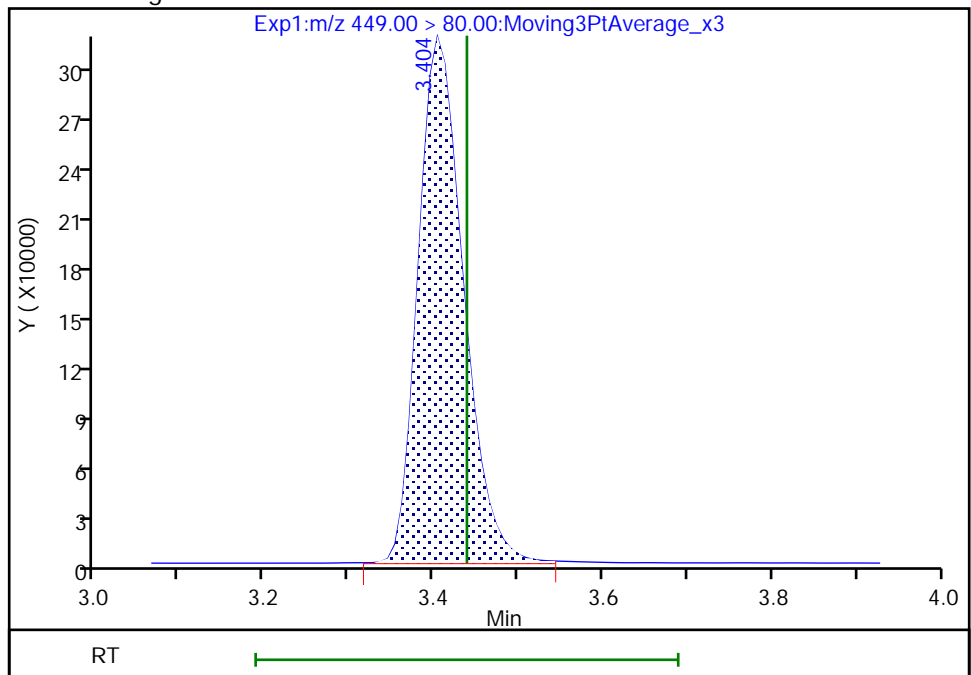
RT: 3.40
Area: 1176389
Amount: 0.946787
Amount Units: ng/ml

Processing Integration Results



RT: 3.40
Area: 1170715
Amount: 0.942221
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:59:22

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

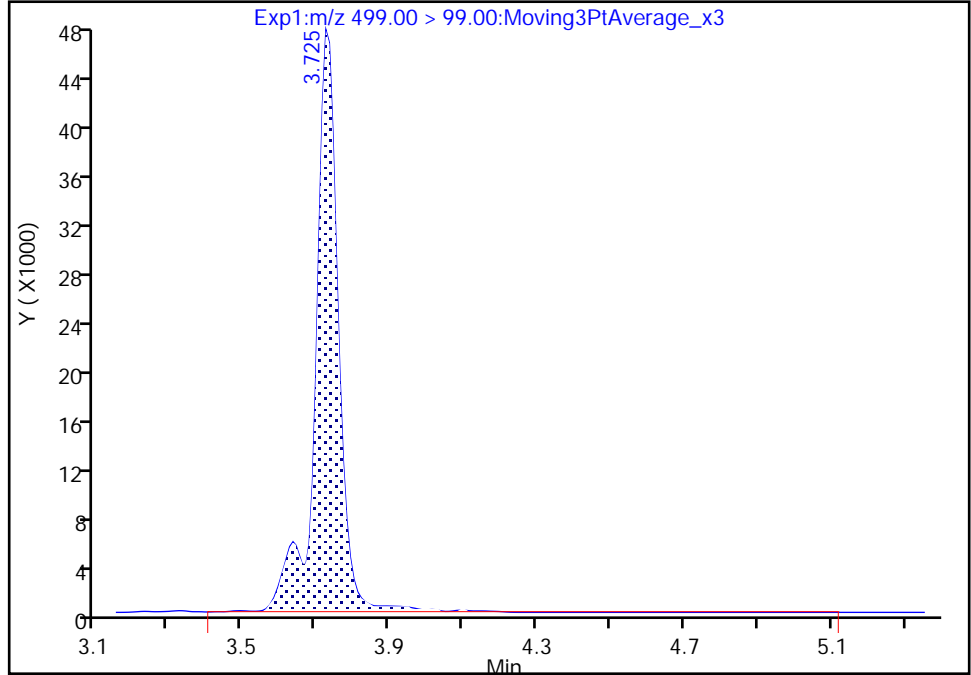
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A11.d
Injection Date: 02-Dec-2022 13:30:29 Instrument ID: LC812
Lims ID: LCS 200-186249/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

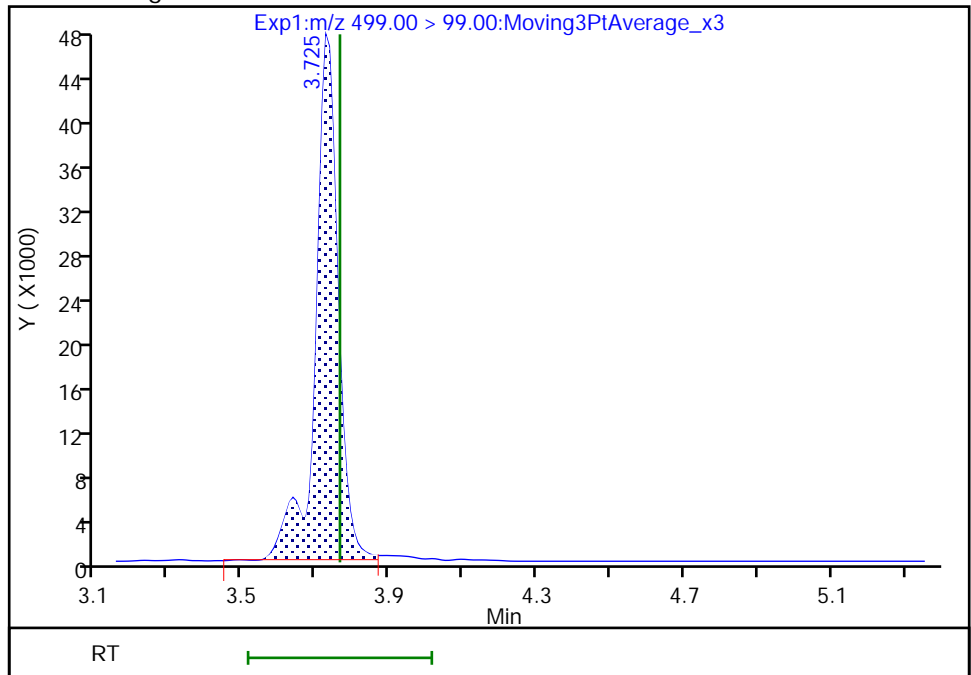
RT: 3.73
Area: 211180
Amount: 0.896813
Amount Units: ng/ml

Processing Integration Results



RT: 3.73
Area: 204891
Amount: 0.875888
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:00:40
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 809 of 939

Eurofins Burlington

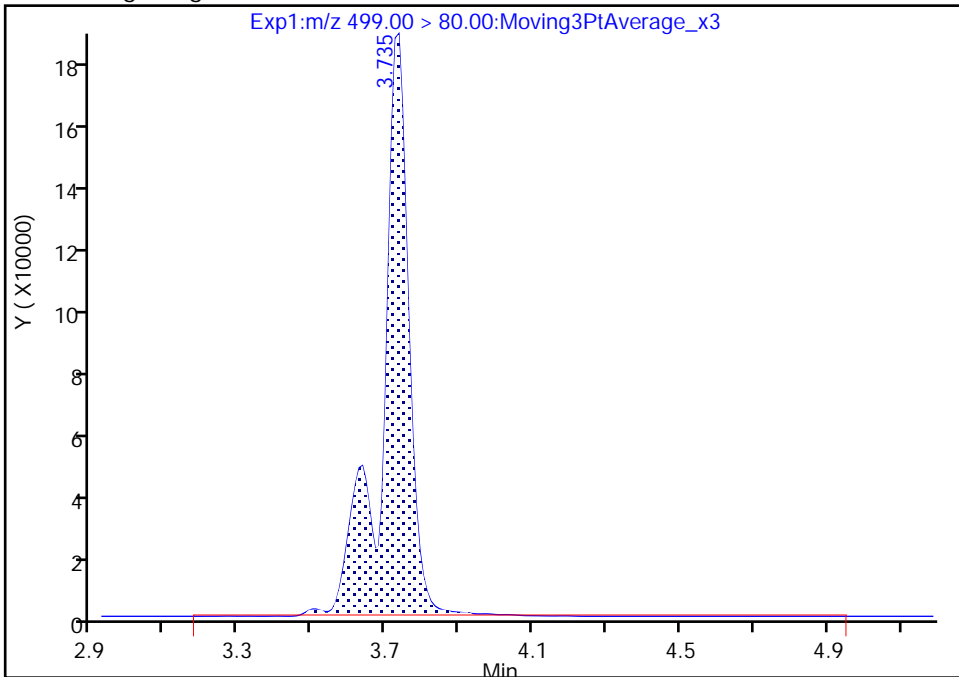
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A11.d
Injection Date: 02-Dec-2022 13:30:29 Instrument ID: LC812
Lims ID: LCS 200-186249/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

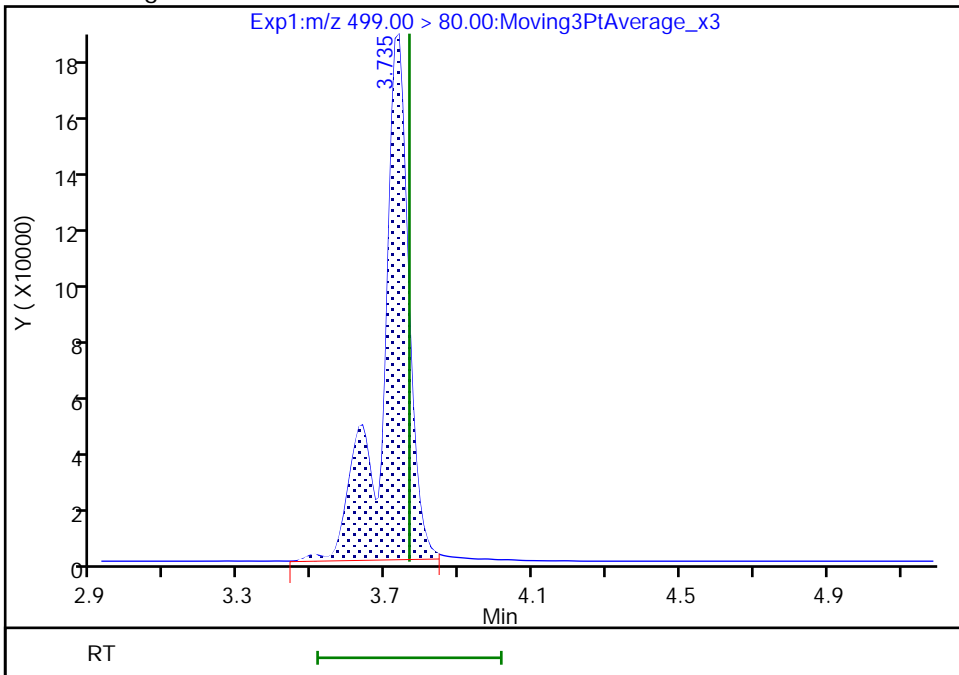
RT: 3.74
Area: 970231
Amount: 0.896813
Amount Units: ng/ml

Processing Integration Results



RT: 3.74
Area: 947593
Amount: 0.875888
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

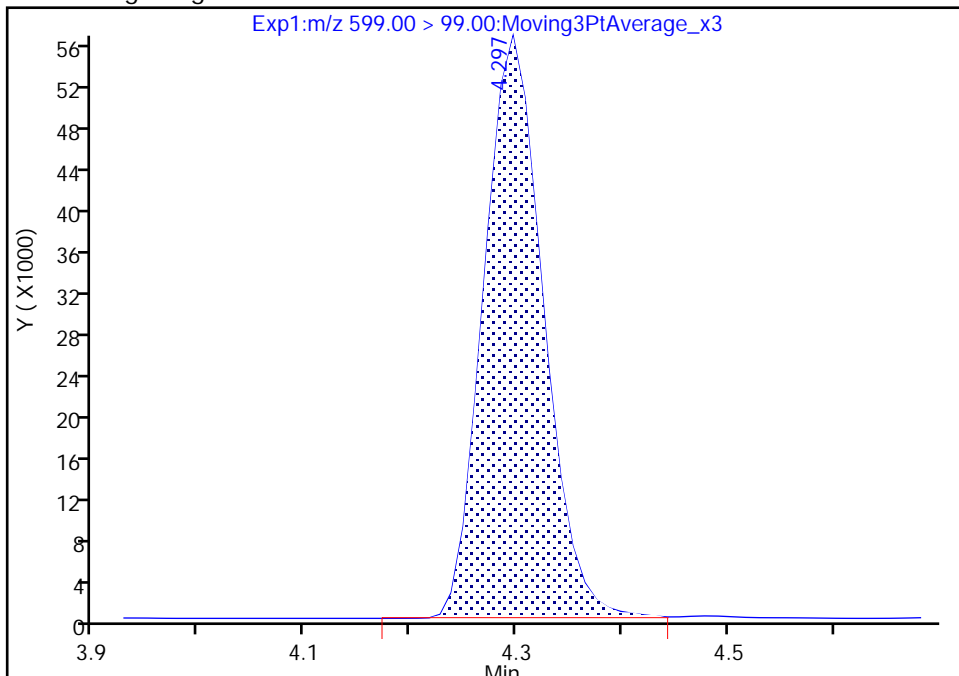
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A11.d
Injection Date: 02-Dec-2022 13:30:29 Instrument ID: LC812
Lims ID: LCS 200-186249/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

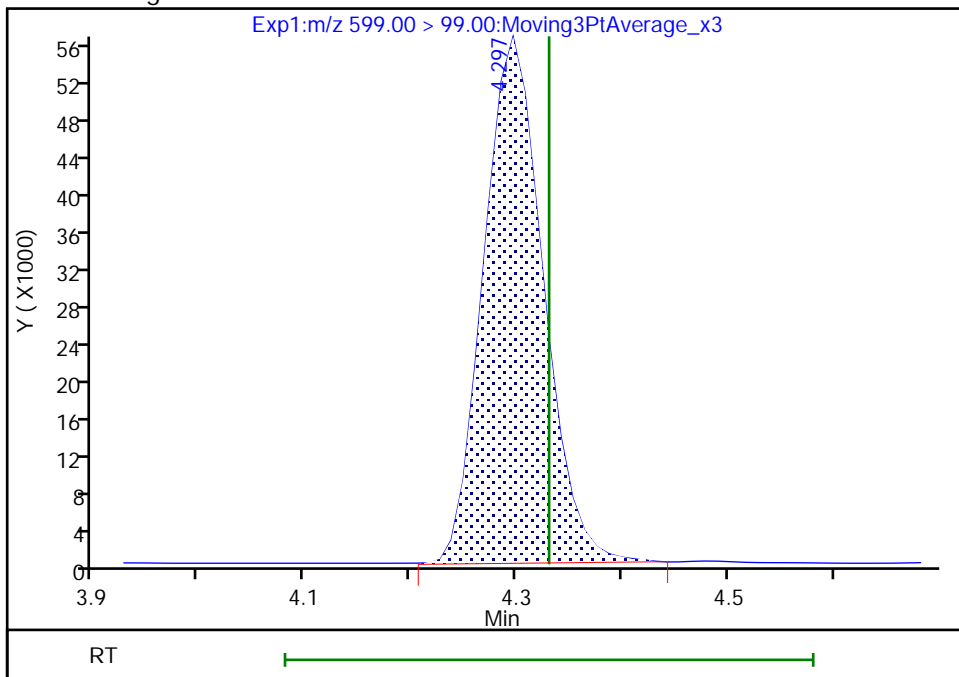
RT: 4.30
Area: 222488
Amount: 0.859110
Amount Units: ng/ml

Processing Integration Results



RT: 4.30
Area: 221710
Amount: 0.859110
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:02:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

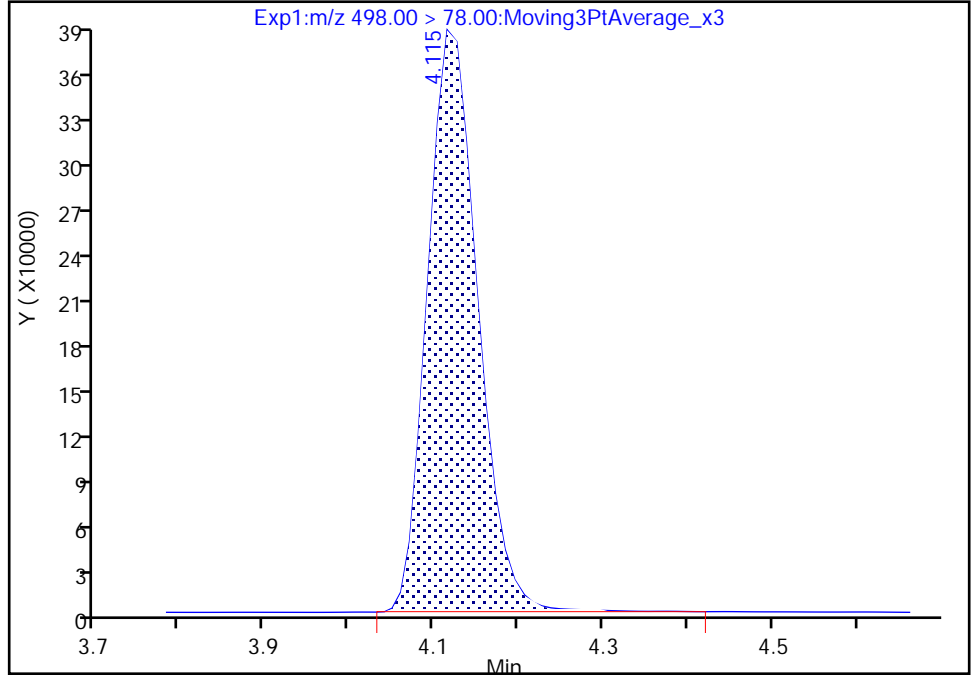
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A11.d
Injection Date: 02-Dec-2022 13:30:29 Instrument ID: LC812
Lims ID: LCS 200-186249/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

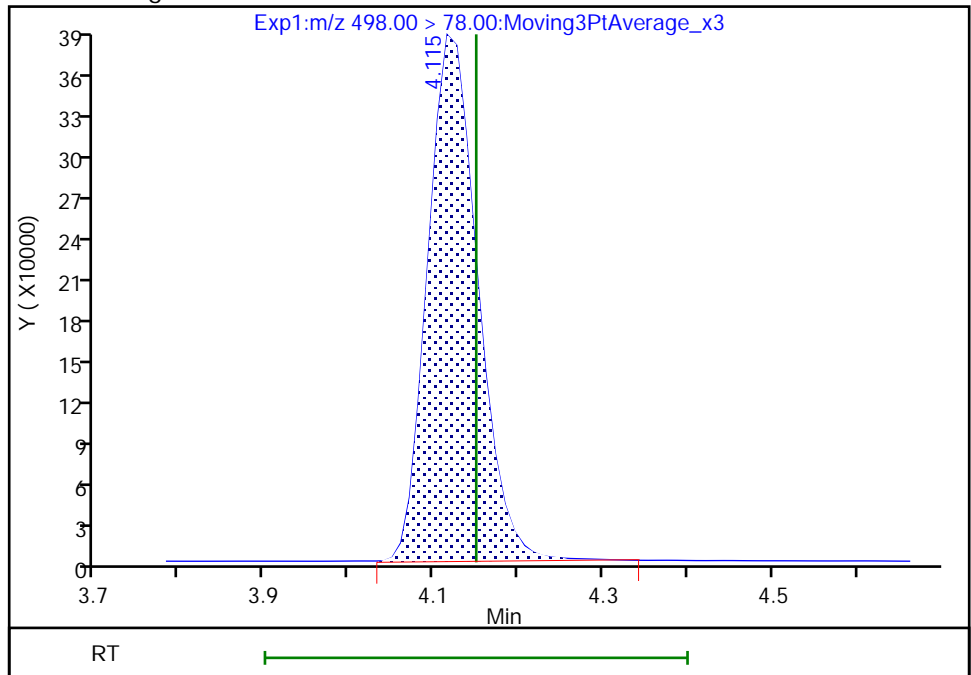
RT: 4.12
Area: 1584500
Amount: 0.958446
Amount Units: ng/ml

Processing Integration Results



RT: 4.12
Area: 1580738
Amount: 0.956170
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:01:53
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 812 of 939

Eurofins Burlington

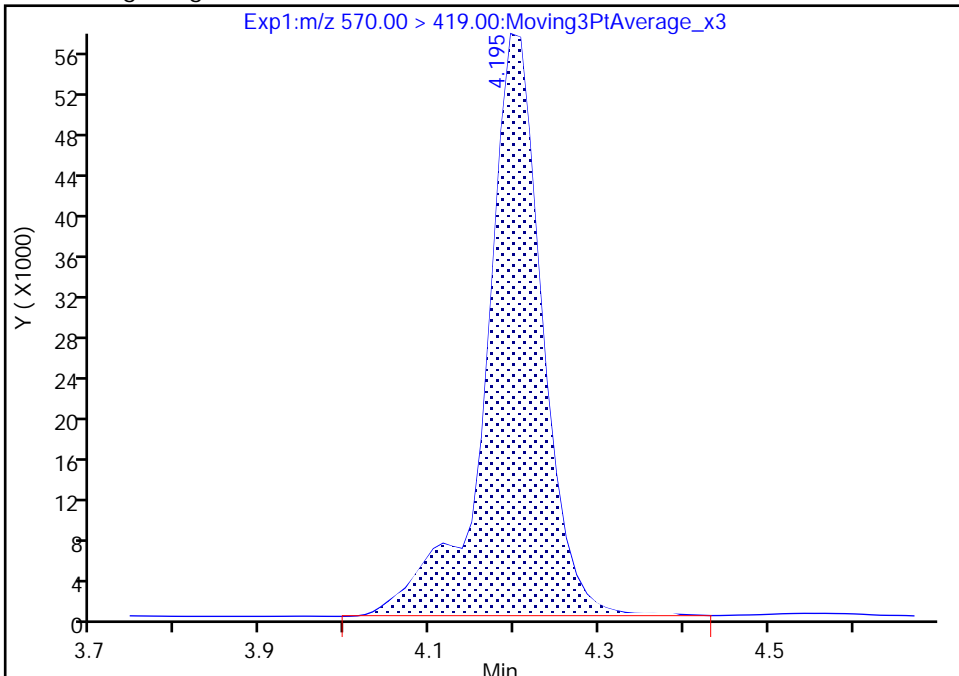
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A11.d
Injection Date: 02-Dec-2022 13:30:29 Instrument ID: LC812
Lims ID: LCS 200-186249/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

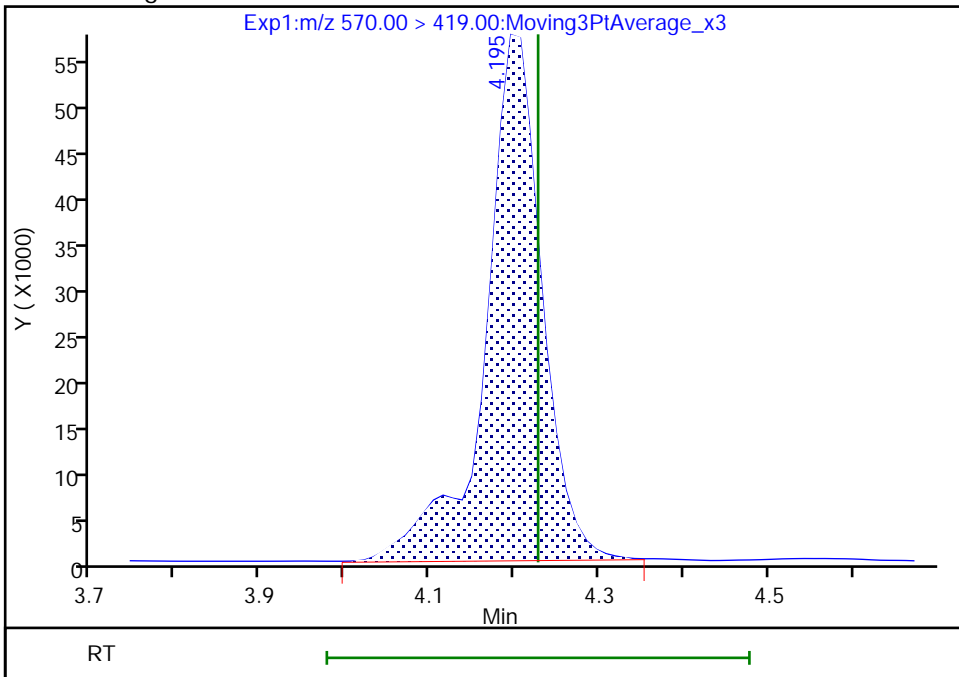
RT: 4.20
Area: 268808
Amount: 1.045530
Amount Units: ng/ml

Processing Integration Results



RT: 4.20
Area: 265369
Amount: 1.032006
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:01:57
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 813 of 939

Eurofins Burlington

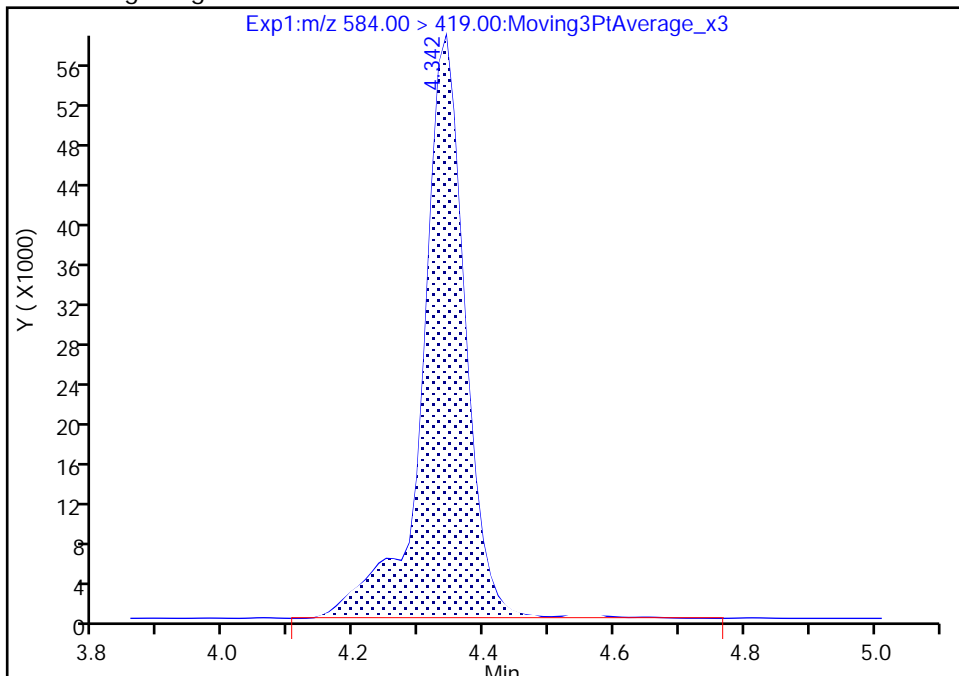
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A11.d
Injection Date: 02-Dec-2022 13:30:29 Instrument ID: LC812
Lims ID: LCS 200-186249/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

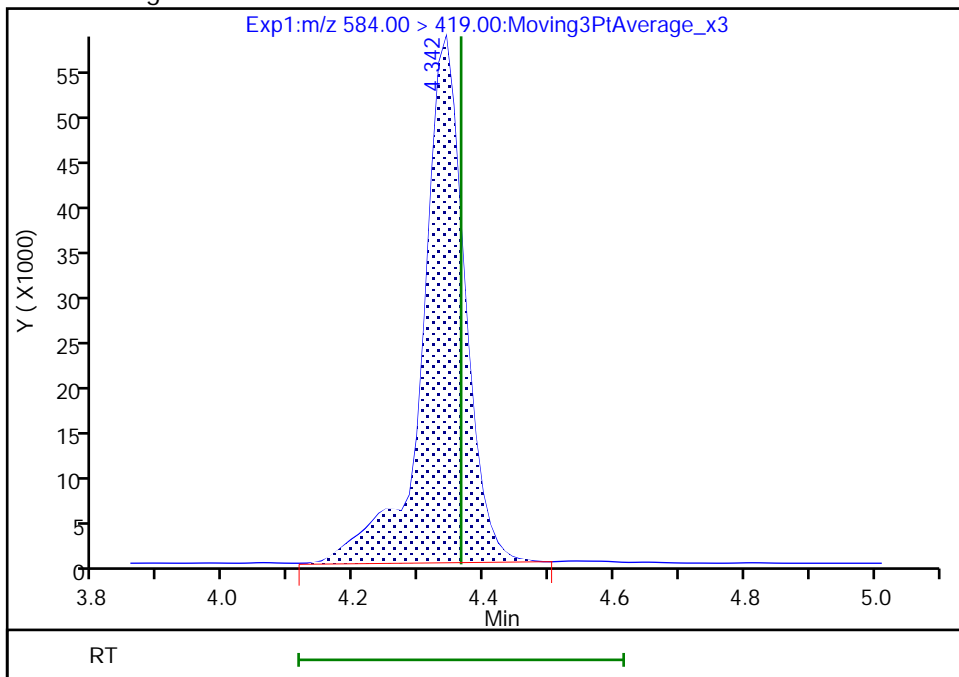
RT: 4.34
Area: 266565
Amount: 0.980059
Amount Units: ng/ml

Processing Integration Results



RT: 4.34
Area: 262804
Amount: 0.966231
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:02:13
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

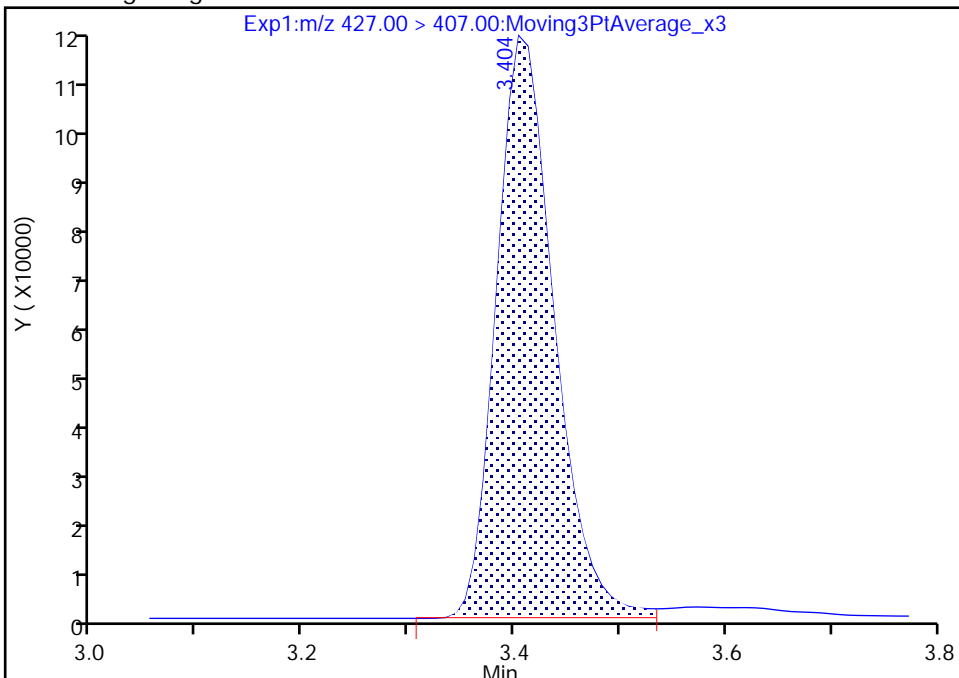
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A11.d
Injection Date: 02-Dec-2022 13:30:29 Instrument ID: LC812
Lims ID: LCS 200-186249/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

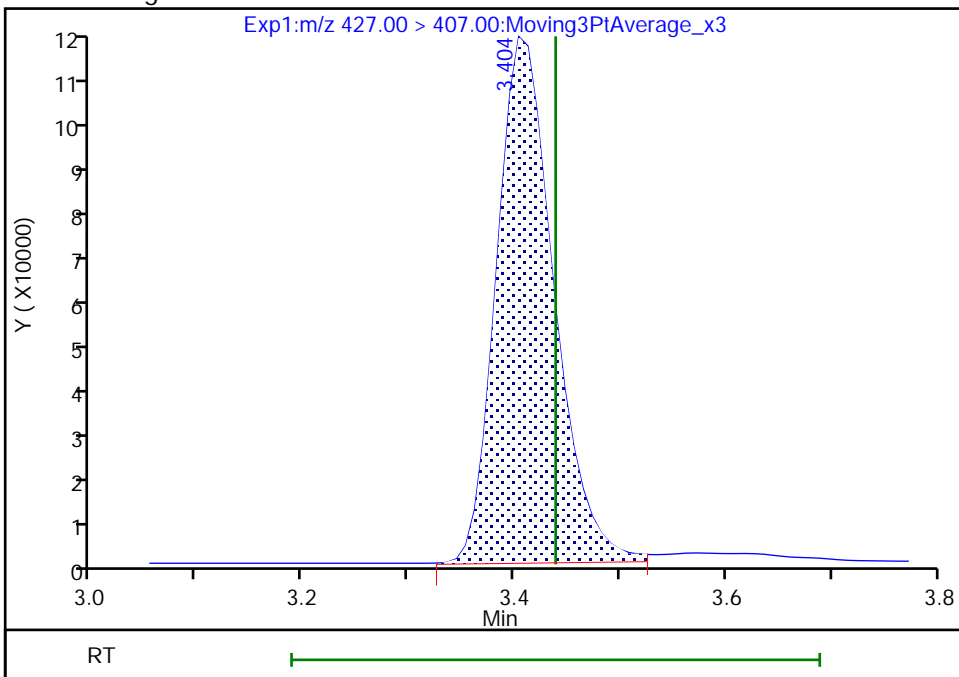
Processing Integration Results

RT: 3.40
Area: 452200
Amount: 0.965099
Amount Units: ng/ml



Manual Integration Results

RT: 3.40
Area: 449762
Amount: 0.959832
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 11:59:09
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

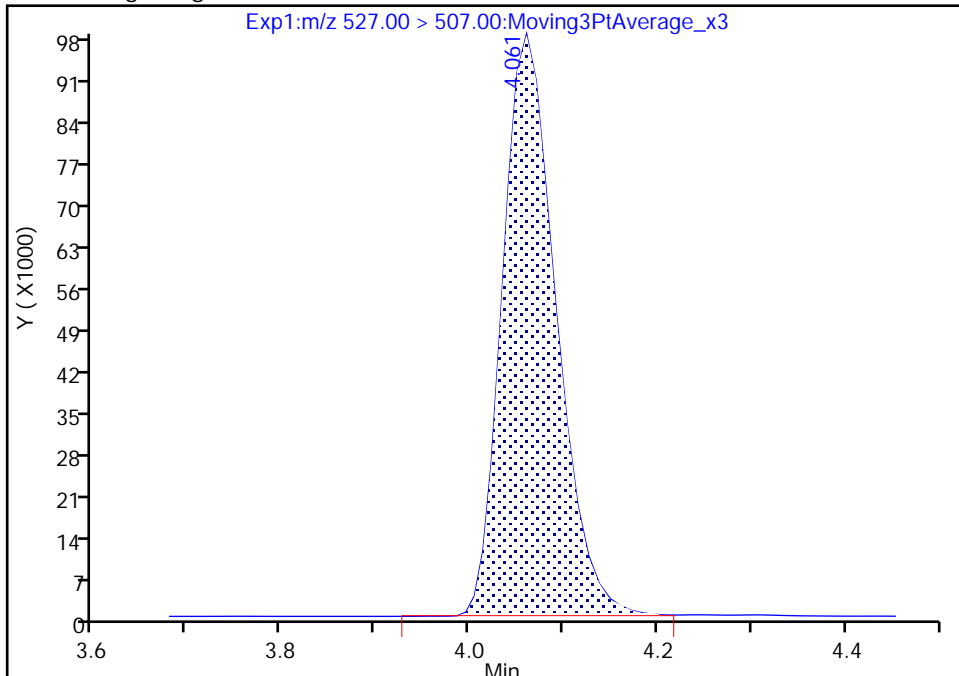
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A11.d
Injection Date: 02-Dec-2022 13:30:29 Instrument ID: LC812
Lims ID: LCS 200-186249/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

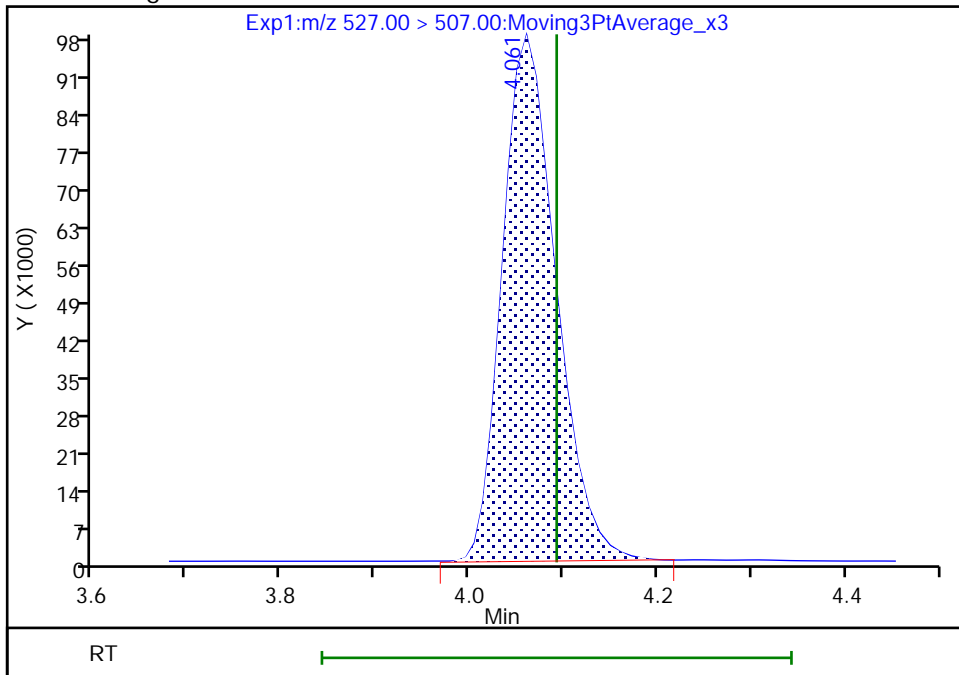
RT: 4.06
Area: 390770
Amount: 0.939442
Amount Units: ng/ml

Processing Integration Results



RT: 4.06
Area: 390731
Amount: 0.939348
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:01:48
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 816 of 939

Eurofins Burlington

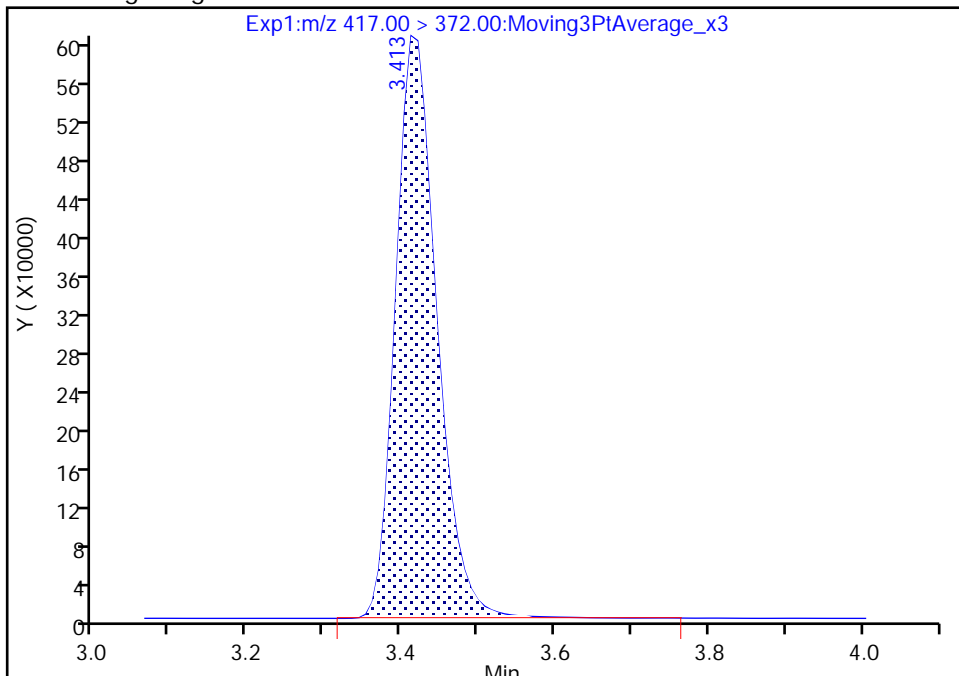
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A11.d
Injection Date: 02-Dec-2022 13:30:29 Instrument ID: LC812
Lims ID: LCS 200-186249/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

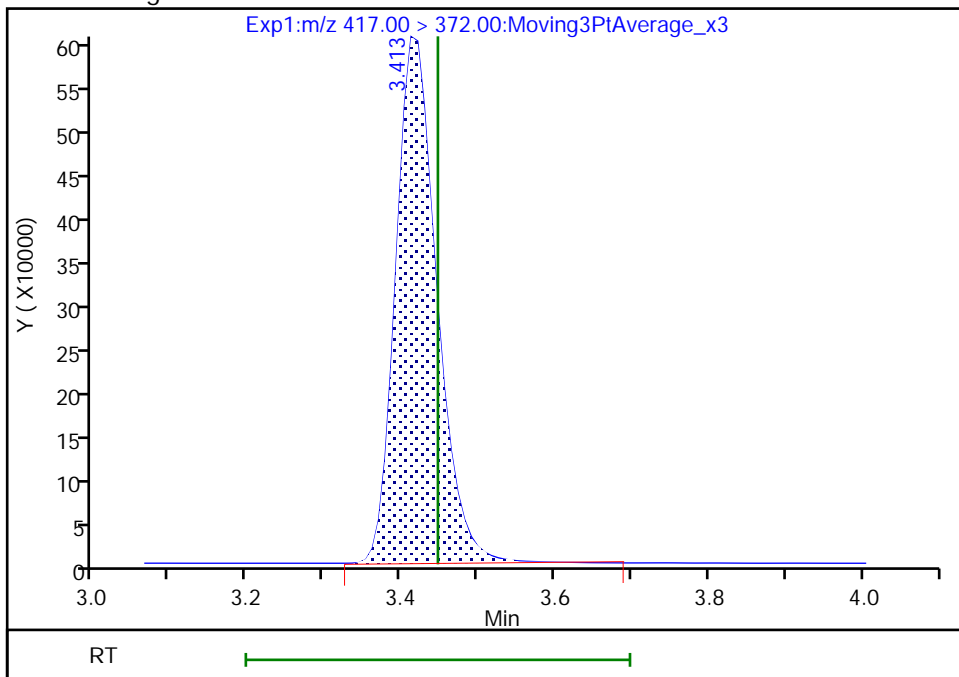
RT: 3.41
Area: 2252476
Amount: 1.154684
Amount Units: ng/ml

Processing Integration Results



RT: 3.41
Area: 2250833
Amount: 1.153841
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:56:04
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

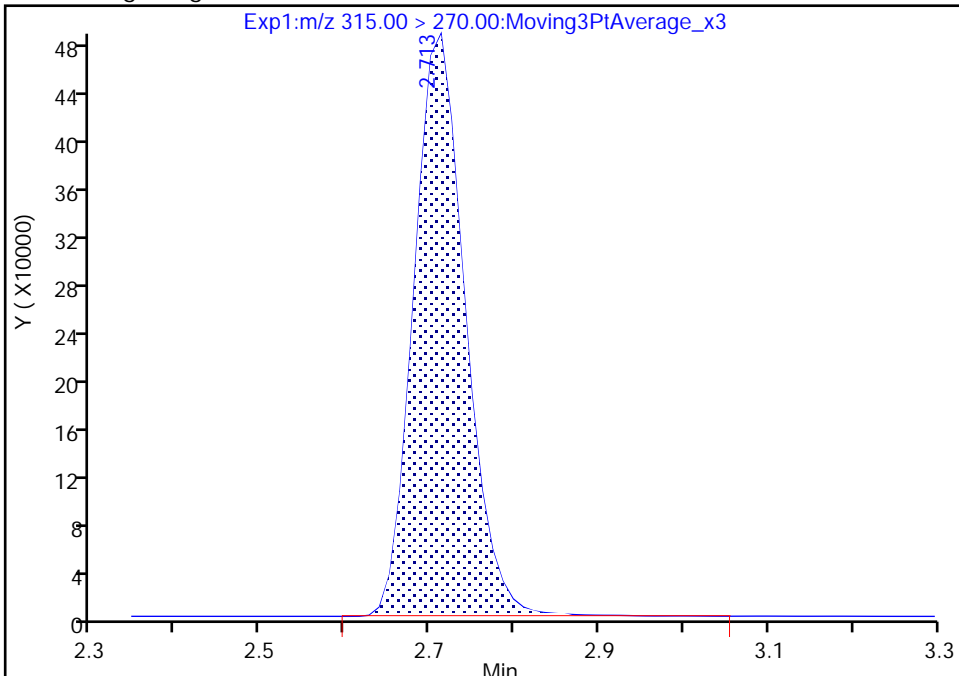
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A11.d
Injection Date: 02-Dec-2022 13:30:29 Instrument ID: LC812
Lims ID: LCS 200-186249/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 7 13C2 PFHxA, CAS: STL00993

Signal: 1

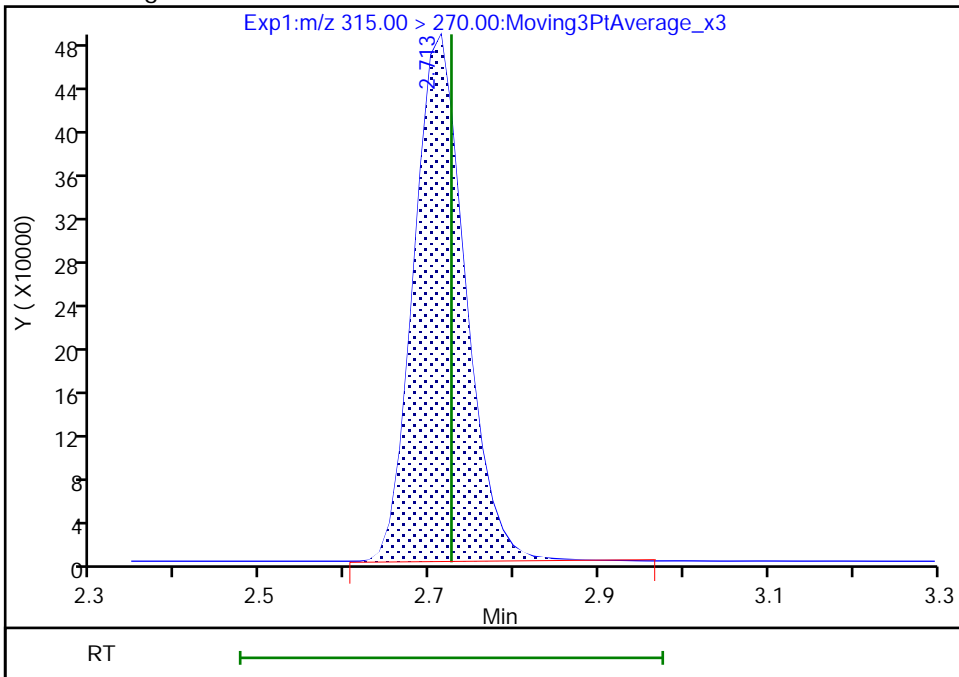
RT: 2.71
Area: 2051980
Amount: 1.216355
Amount Units: ng/ml

Processing Integration Results



RT: 2.71
Area: 2048776
Amount: 1.214455
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:55:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

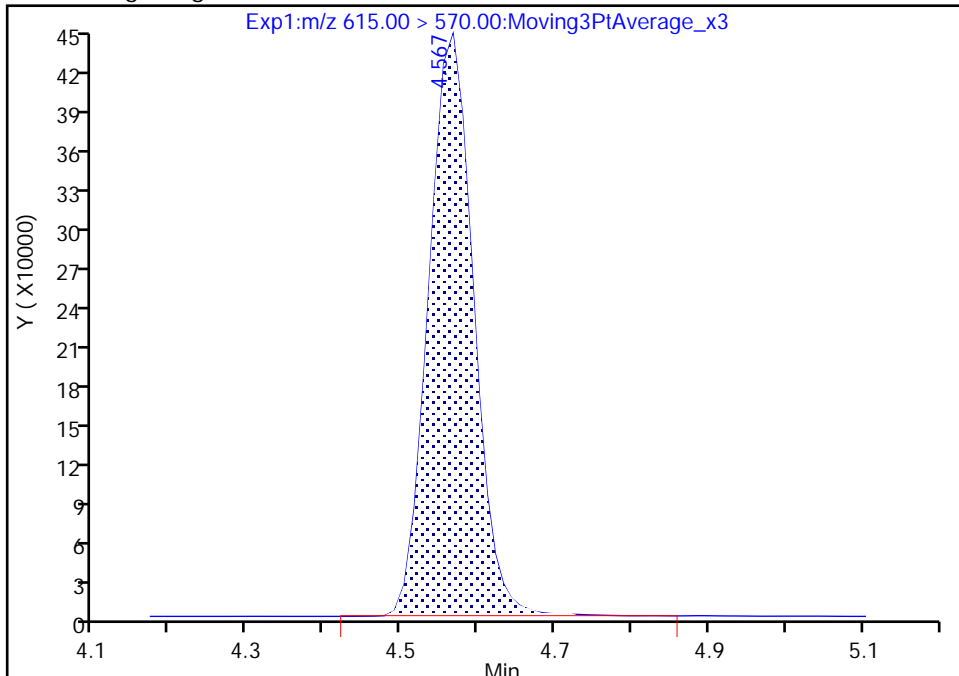
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A11.d
Injection Date: 02-Dec-2022 13:30:29 Instrument ID: LC812
Lims ID: LCS 200-186249/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 36 13C2 PFD_oA, CAS: STL00998

Signal: 1

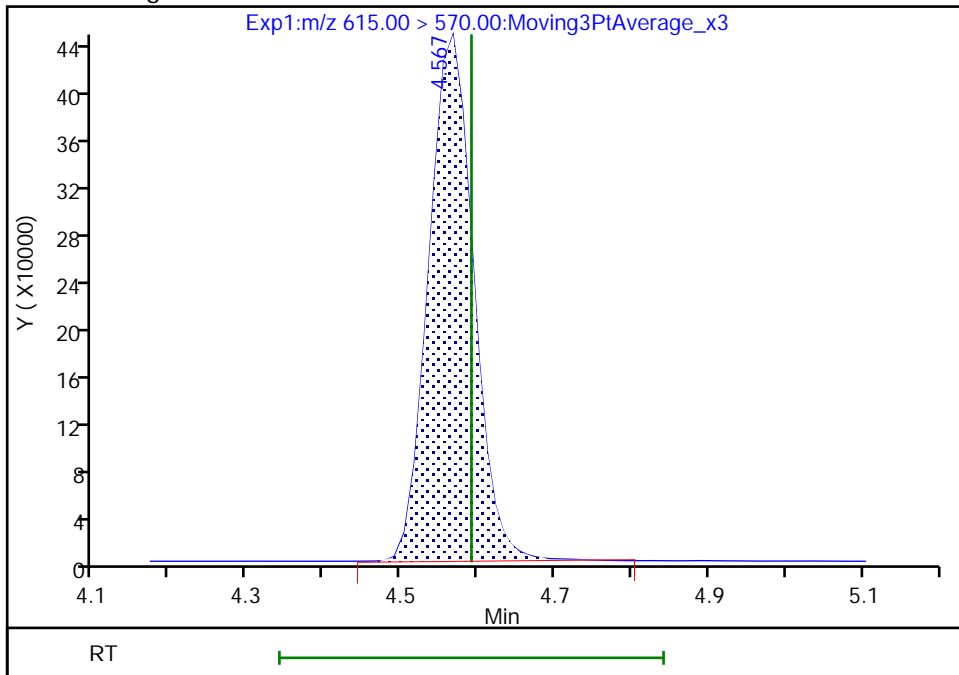
RT: 4.57
Area: 1811139
Amount: 1.004970
Amount Units: ng/ml

Processing Integration Results



RT: 4.57
Area: 1808811
Amount: 1.003678
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:56:28
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 819 of 939

Eurofins Burlington

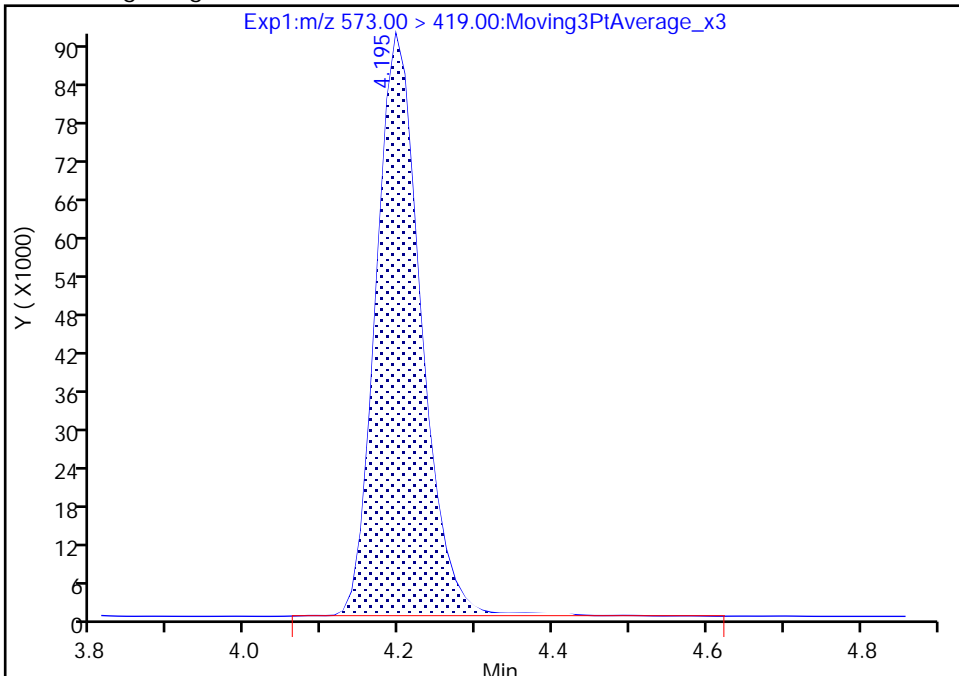
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A11.d
Injection Date: 02-Dec-2022 13:30:29 Instrument ID: LC812
Lims ID: LCS 200-186249/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

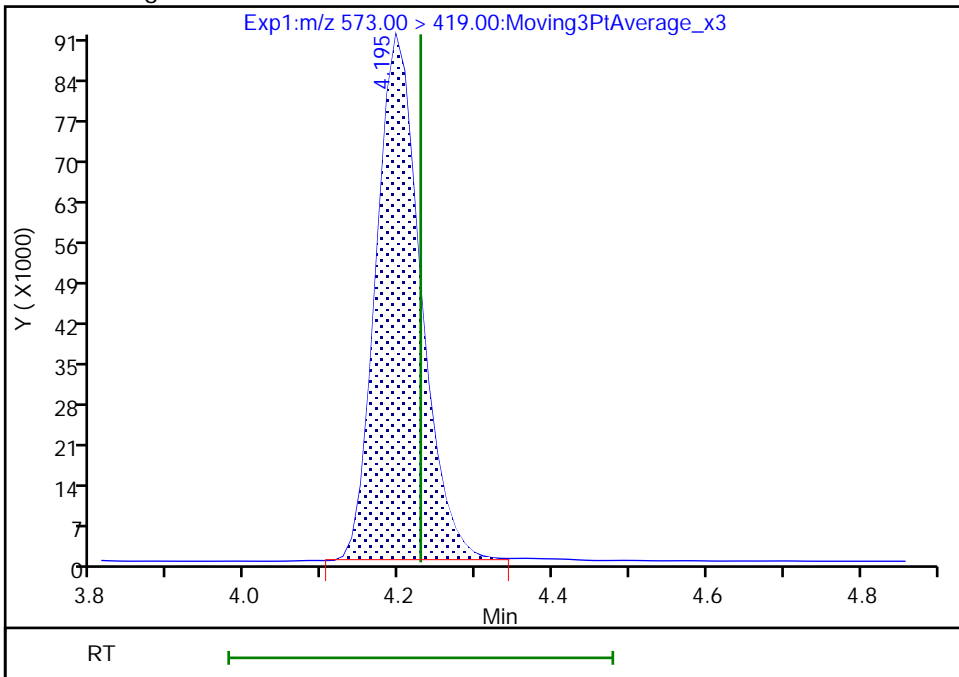
RT: 4.20
Area: 373671
Amount: 0.950046
Amount Units: ng/ml

Processing Integration Results



RT: 4.20
Area: 369480
Amount: 0.939391
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:56:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 820 of 939

Eurofins Burlington

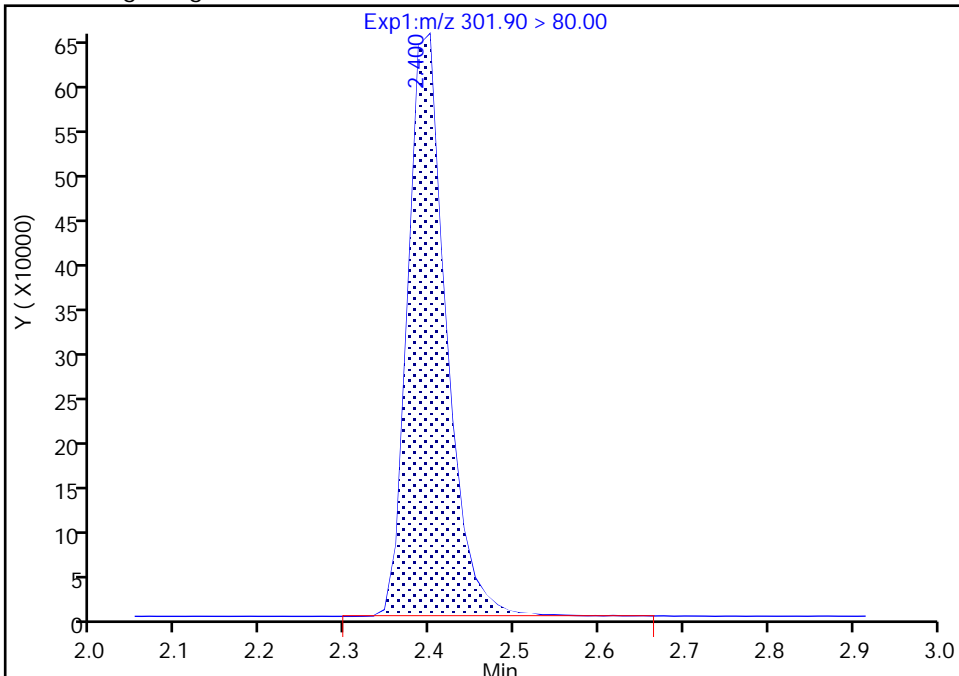
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A11.d
Injection Date: 02-Dec-2022 13:30:29 Instrument ID: LC812
Lims ID: LCS 200-186249/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

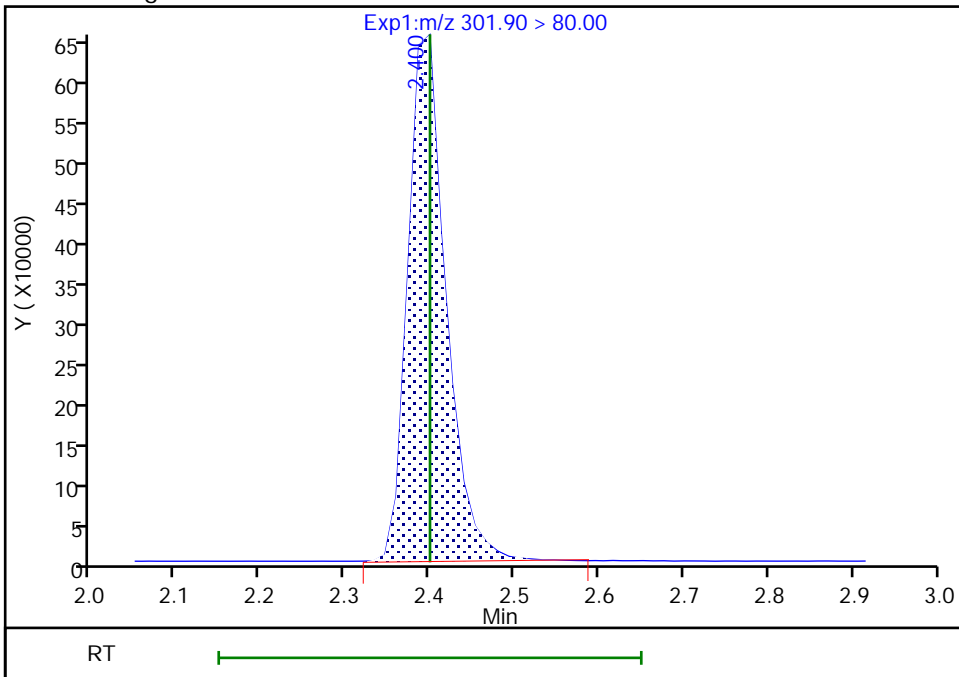
RT: 2.40
Area: 2055326
Amount: 1.174958
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 2050277
Amount: 1.172072
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 11:55:32
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-270065-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: 460-270167-A-2-B MS
 Matrix: Solid Lab File ID: PA221202A18.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: SHAKE Date Extracted: 12/01/2022 09:15
 Sample wt/vol: 5.04(g) Date Analyzed: 12/02/2022 14:27
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: 31.1 % Solids: 68.9 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186301 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	2.814		0.72	0.48
2706-90-3	Perfluoropentanoic acid (PFPeA)	2.833		0.29	0.079
307-24-4	Perfluorohexanoic acid (PFHxA)	2.840		0.29	0.066
375-85-9	Perfluoroheptanoic acid (PFHpA)	2.906		0.29	0.056
335-67-1	Perfluorooctanoic acid (PFOA)	3.086		0.29	0.084
375-95-1	Perfluorononanoic acid (PFNA)	2.903		0.29	0.049
335-76-2	Perfluorodecanoic acid (PFDA)	2.816		0.29	0.040
2058-94-8	Perfluoroundecanoic acid (PFUnA)	2.759		0.29	0.039
307-55-1	Perfluorododecanoic acid (PFDoA)	2.734		0.29	0.036
72629-94-8	Perfluorotridecanoic acid (PFTriA)	2.409		0.29	0.036
376-06-7	Perfluorotetradecanoic acid (PFTeA)	2.960		0.29	0.037
375-73-5	Perfluorobutanesulfonic acid (PFBS)	2.446		0.29	0.048
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	2.561		0.29	0.059
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	2.763		0.29	0.033
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	2.692		0.29	0.16
335-77-3	Perfluorodecanesulfonic acid (PFDS)	2.530		0.29	0.027
754-91-6	Perfluorooctanesulfonamide (FOSA)	2.776		0.29	0.049
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.895		2.88	0.16
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.825	J	2.88	0.12
27619-97-2	6:2 FTS	2.924		2.88	0.082
39108-34-4	8:2 FTS	2.845	J	2.88	0.053

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-270065-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: 460-270167-A-2-B MS
 Matrix: Solid Lab File ID: PA221202A18.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: SHAKE Date Extracted: 12/01/2022 09:15
 Sample wt/vol: 5.04(g) Date Analyzed: 12/02/2022 14:27
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: 31.1 % Solids: 68.9 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186301 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	84		50-150
STL01892	13C4 PFHpA	73		50-150
STL00990	13C4 PFOA	76		50-150
STL00991	13C4 PFOS	82		50-150
STL00995	13C5 PFNA	80		50-150
STL00992	13C4 PFBA	80		50-150
STL00993	13C2 PFHxA	78		50-150
STL00996	13C2 PFDA	84		50-150
STL00997	13C2 PFUnA	87		50-150
STL00998	13C2 PFDoA	82		50-150
STL01056	13C8 FOSA	71		50-150
STL01893	13C5 PFPeA	78		50-150
STL02116	13C2 PFTeDA	67		50-150
STL02118	d3-NMeFOSAA	76		50-150
STL02117	d5-NEtFOSAA	90		50-150
STL02279	M2-6:2 FTS	101		50-150
STL02280	M2-8:2 FTS	125		50-150
STL02337	13C3 PFBS	83		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
 Lims ID: 460-270167-A-2-B MS
 Client ID:
 Sample Type: MS
 Inject. Date: 02-Dec-2022 14:27:45 ALS Bottle#: 15 Worklist Smp#: 18
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 460-270167-A-2-B MS
 Misc. Info.: 200-0053527-018 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 05-Dec-2022 11:40:57 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: CTX1627

First Level Reviewer: nampitakw Date: 05-Dec-2022 13:02:32
 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	2158236	1.00	80.2	6193	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.076	0.009	1.004	1739340	0.9769		97.7	188	M
D 3 13C5 PFPeA	267.90 > 223.00	2.387	2.387	0.0	0.692	1596720	0.9744	78.0	1980	
4 Perfluoropentanoic acid	262.90 > 219.00	2.387	2.387	0.0	1.000	1369257	0.9836	98.4	23.5	
D 47 13C3 PFBS	301.90 > 80.00	2.400	2.400	0.0	0.696	1724929	0.9689	83.3	69702	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.400	2.400	0.0	1.000	1441403	0.8491	Target=2.09	96.0	127	M
298.90 > 99.00	2.400	2.400	0.0	1.000	690058		2.09(1.04-3.13)		86.0	M
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.689	2.689	0.0	1.000	515140	0.8694		93.1	118	M
D 60 M2-4:2 FTS	329.00 > 81.00	2.689	2.689	0.0	0.780	224544	1.43	122	44.7	M
D 7 13C2 PFHxA	315.00 > 270.00	2.725	2.725	0.0	0.791	1666512	0.9706	77.6	2699	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.725	2.725	0.0	1.000	1432215	0.9859	Target=14.25	98.6	65.5	M
313.00 > 119.00	2.725	2.725	0.0	1.000	103729		13.81(7.12-21.37)		49.9	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.725	2.737	-0.012	0.883	1313484	0.9033	Target=3.04	96.3	160	M
349.00 > 99.00	2.725	2.737	-0.012	0.883	442572		2.97(1.52-4.56)		134	M
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.835	2.835	0.0	1.000	236705	0.9425		94.3	1312	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	0.823	297297	0.9810		78.5	1748	
D 11 18O2 PFHxS										
403.00 > 84.00	3.088	3.088	0.0	0.896	1287596	0.99		84.0	2300	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.088	3.088	0.0	1.000	1092686	0.8891	Target=3.66	97.7	122	M
399.00 > 99.00	3.088	3.088	0.0	1.000	331673		3.29(1.83-5.49)		111	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.088	3.099	-0.011	0.896	1614800	0.9145		73.2	2644	M
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.099	3.099	0.0	1.004	1419046	1.01	Target=3.97	101	65.7	M
363.00 > 169.00	3.099	3.099	0.0	1.004	342529		4.14(1.98-5.95)		371	M
77 DONA										
377.00 > 251.00	3.132	3.132	0.0	0.832	3511920	0.8875	Target=3.16	94.2	1415	
377.00 > 85.00	3.132	3.132	0.0	0.832	1145266		3.07(1.58-4.73)		825	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.438	3.439	-0.001	0.997	260314	1.20		101	64.4	M
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.438	3.439	-0.001	1.000	475580	1.02		107	172	M
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.438	3.439	-0.001	0.914	962707	0.9592	Target=5.14	101	146	M
449.00 > 99.00	3.429	3.439	-0.010	0.911	193745		4.97(2.57-7.72)		118	M
D 14 13C4 PFOA										
417.00 > 372.00	3.446	3.448	-0.002	1.000	1895934	0.9549		76.4	2232	
* 62 13C2 PFOA										
415.00 > 370.00	3.446	3.448	-0.002		2397754	1.25			3639	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.446	3.448	-0.002	1.000	1737201	1.07	Target=2.79	107	41.5	M
413.00 > 169.00	3.446	3.448	-0.002	1.000	570217		3.05(1.40-4.19)		553	M
D 18 13C4 PFOS										
503.00 > 80.00	3.763	3.764	-0.001	1.092	858678	0.9757		81.7	242	M
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.763	3.764	-0.001	1.000	816659	0.9345	Target=5.11	101	158	M
499.00 > 99.00	3.753	3.764	-0.011	0.997	194229		4.20(2.55-7.66)		118	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.782	3.783	-0.001	1.000	1614131	1.01	Target=8.55	101	86.6	M
463.00 > 169.00	3.782	3.783	-0.001	1.000	192813		8.37(4.28-12.83)		418	M
D 19 13C5 PFNA										
468.00 > 423.00	3.782	3.783	-0.001	1.097	1930370	1.00		80.0	3847	M
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.927	3.928	-0.001	1.044	1765052	0.8801		94.4	1738	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.050	4.050	0.0	1.076	630330	0.9557	Target=2.53	99.5	284	M
549.00 > 99.00	4.050	4.050	0.0	1.076	251807		2.50(1.27-3.80)		317	M
D 23 13C2 PFDA										
515.00 > 470.00	4.081	4.081	0.0	1.184	2060937	1.05		83.9	3699	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	4.081	4.081	0.0	1.000	1748100	0.9777	Target=10.26	97.8	113	M
513.00 > 169.00	4.081	4.081	0.0	1.000	174884		10.00(5.13-15.38)		243	M
D 26 M2-8:2 FTS										M
529.00 > 81.00	4.081	4.093	-0.012	1.184	397967	1.50		125	146	M
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.081	4.093	-0.012	1.000	530661	0.9875		103	2503	
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.150	4.150	0.0	1.003	1153104	0.9636		96.4	1882	M
D 21 13C8 FOSA										
506.00 > 78.00	4.138	4.150	-0.012	1.201	1431737	0.8883		71.1	3051	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.217	4.228	-0.011	1.224	379721	0.9486		75.9	519	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.228	4.228	0.0	1.002	265680	1.01		101	546	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.319	4.331	-0.012	1.148	457396	0.8783	Target=2.51	91.1	342	M
599.00 > 99.00	4.319	4.331	-0.012	1.148	173891		2.63(1.25-3.76)		281	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.342	4.353	-0.011	1.260	1960271	1.09		87.1	3097	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.342	4.353	-0.011	1.000	1513429	0.9576	Target=9.88	95.8	182	
563.00 > 169.00	4.342	4.353	-0.011	1.000	151366		10.00(4.94-14.82)		406	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.365	4.365	0.0	1.003	310197	0.9808		98.1	646	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.353	4.365	-0.012	1.263	441596	1.12		89.6	873	
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.443	4.454	-0.011	1.181	2664724	0.8619		91.5	3987	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.580	4.591	-0.011	1.000	1504231	0.9491	Target=7.77	94.9	144	M
613.00 > 169.00	4.580	4.591	-0.011	1.000	207876		7.24(3.89-11.66)		532	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.580	4.591	-0.011	1.329	1869920	1.02		81.6	2843	
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.602	4.612	-0.010	1.128	365306	1.13		117	1742	M
75 Perfluorododecanesulfonic acid (M
699.00 > 80.00	4.758	4.776	-0.018	1.265	180657	0.8199	Target=0.50	84.7	181	M
699.00 > 99.00	4.758	4.776	-0.018	1.265	342583		0.53(0.25-0.76)		920	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.794	4.804	-0.010	1.047	1267350	0.8361	Target=5.21	83.6	152	M
663.00 > 169.00	4.794	4.804	-0.010	1.047	241831		5.24(2.60-7.81)		479	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	4.992	5.012	-0.020	1.000	150428	1.03	Target=0.89	103	559	
713.00 > 219.00	4.992	5.012	-0.020	1.000	162543		0.93(0.44-1.33)		632	M
D 43 13C2 PFTeDA										
715.00 > 670.00	4.992	5.012	-0.020	1.448	1336819	0.8427		67.4	3523	

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	5.344	5.367	-0.023	1.000	891075	1.02	Target=5.65	102	200	
813.00 > 169.00	5.344	5.367	-0.023	1.000	155615		5.73(2.82-8.47)		684	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.344	5.367	-0.023	1.551	1167186	0.5951		47.6	2825	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.695	5.722	-0.027	1.066	708390	0.9212	Target=6.24	92.1	308	M
913.00 > 169.00	5.695	5.722	-0.027	1.066	112145		6.32(3.12-9.36)		481	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d

Injection Date: 02-Dec-2022 14:27:45

Instrument ID: LC812

Lims ID: 460-270167-A-2-B MS

Client ID:

Operator ID: lc812tech

ALS Bottle#: 15

Worklist Smp#: 18

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

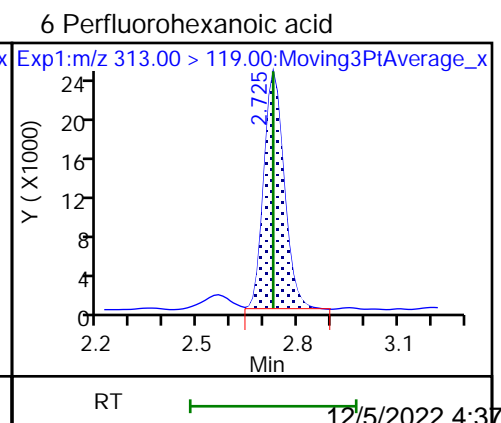
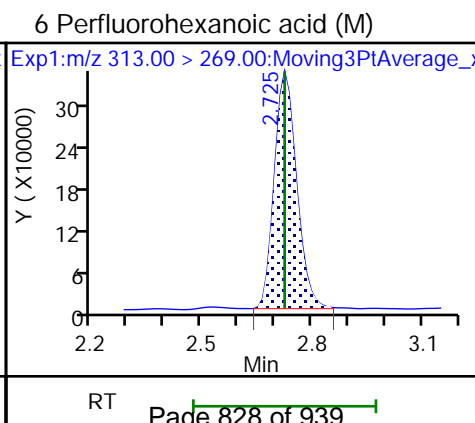
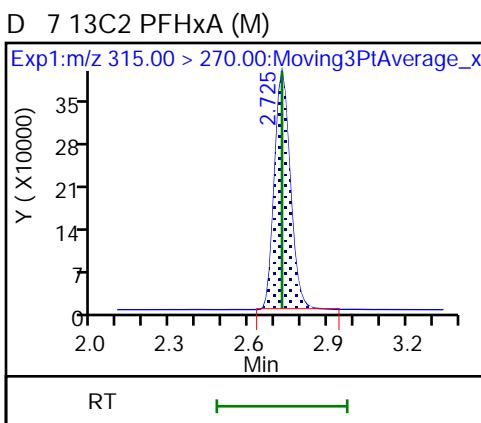
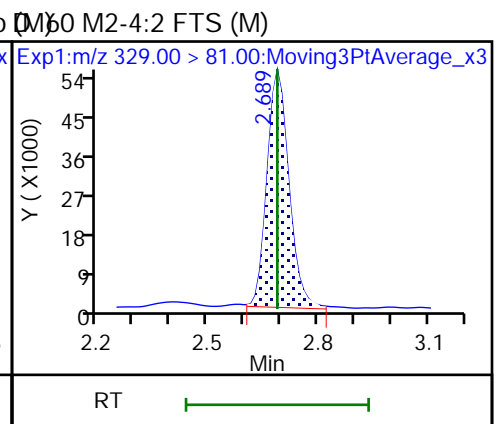
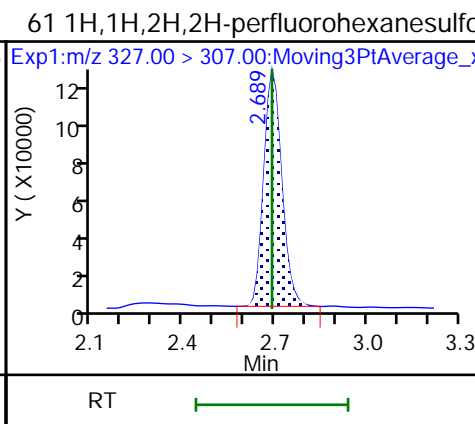
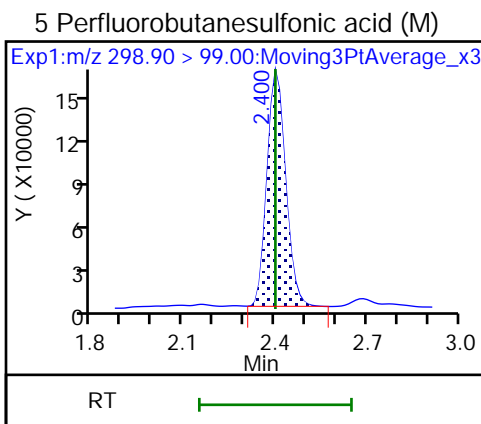
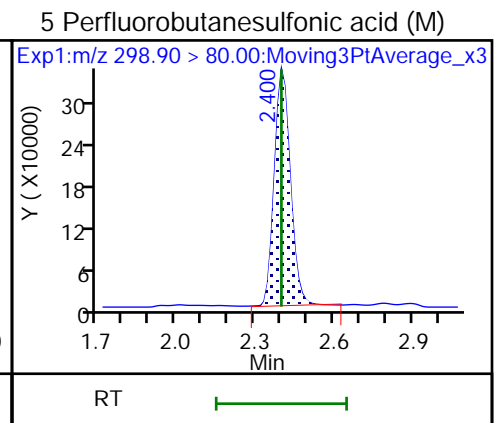
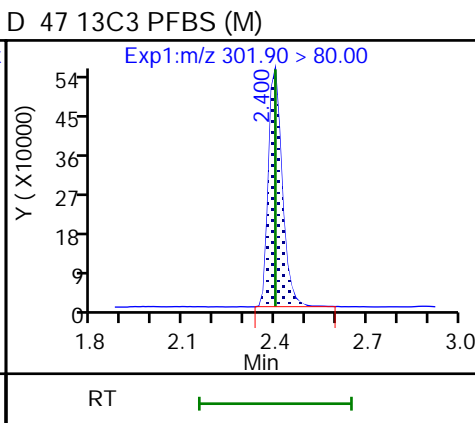
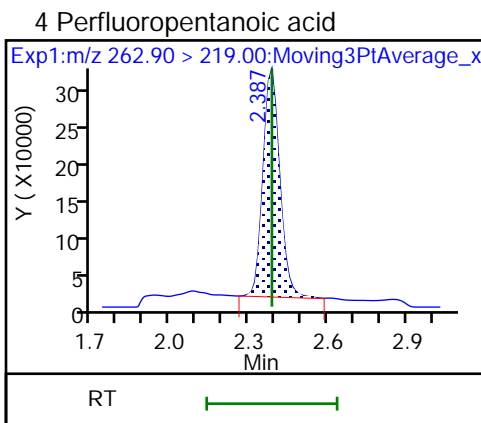
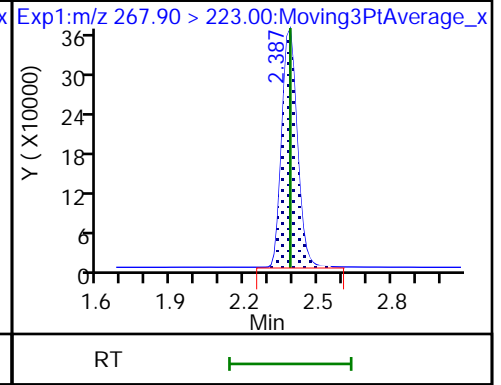
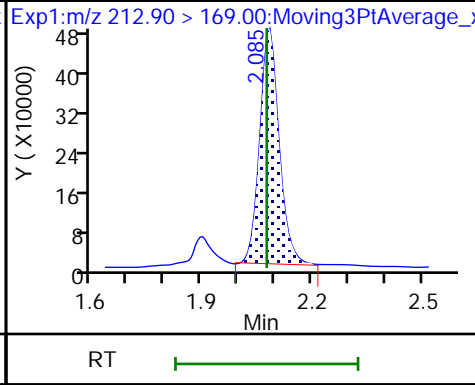
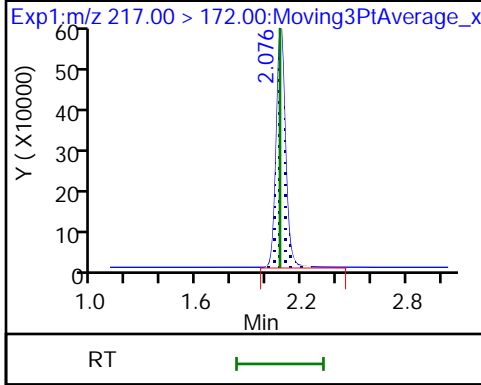
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

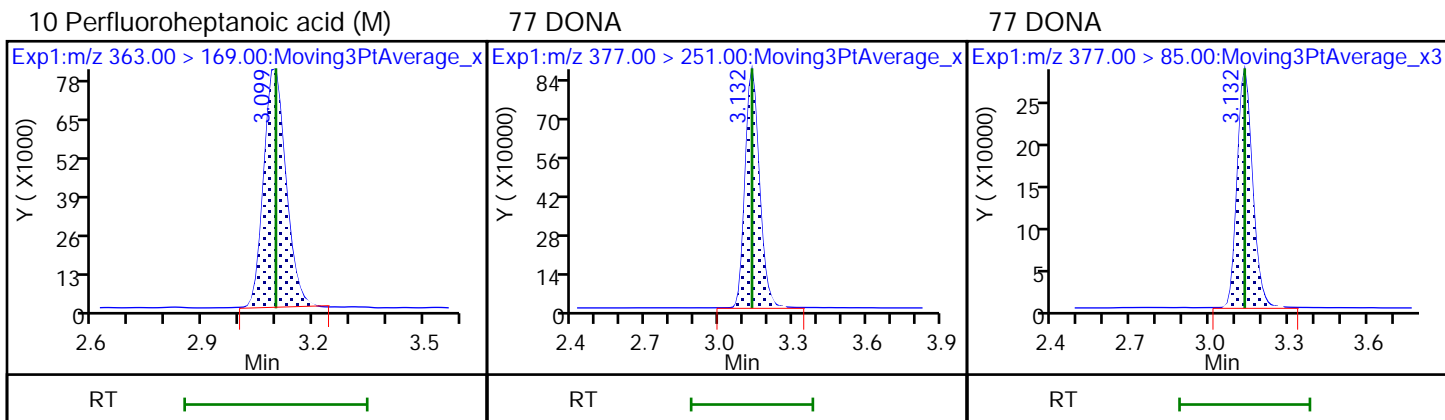
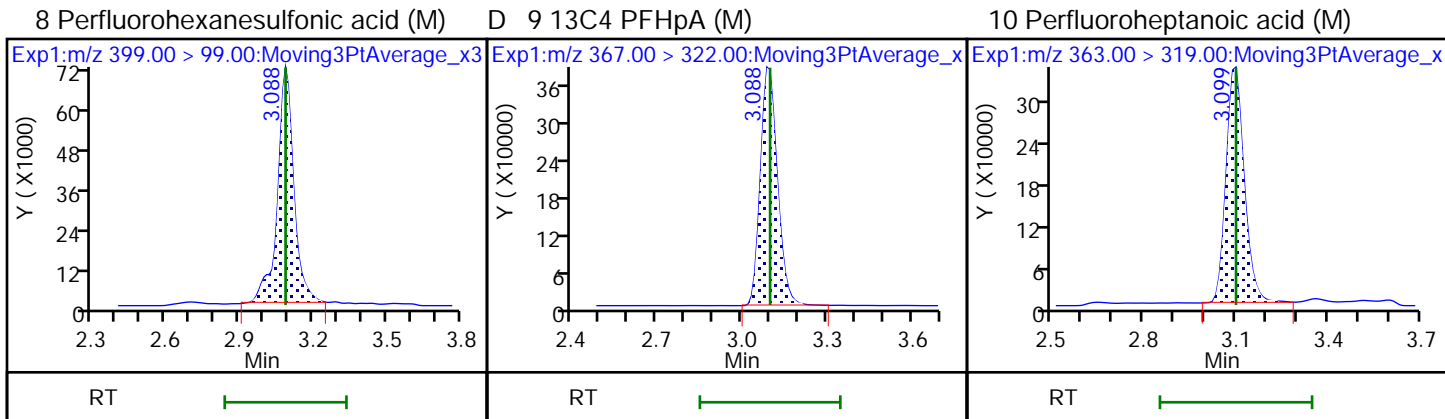
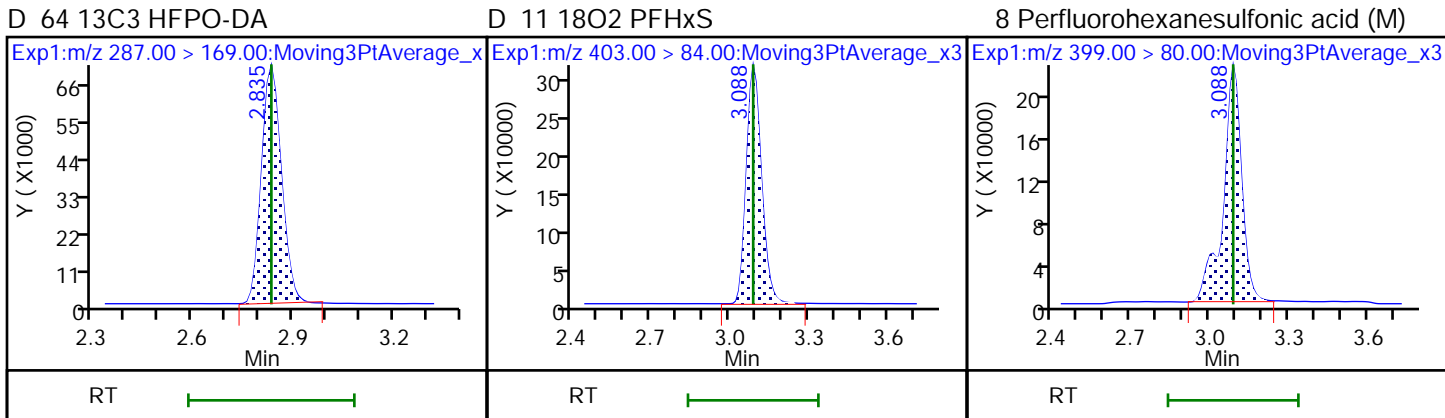
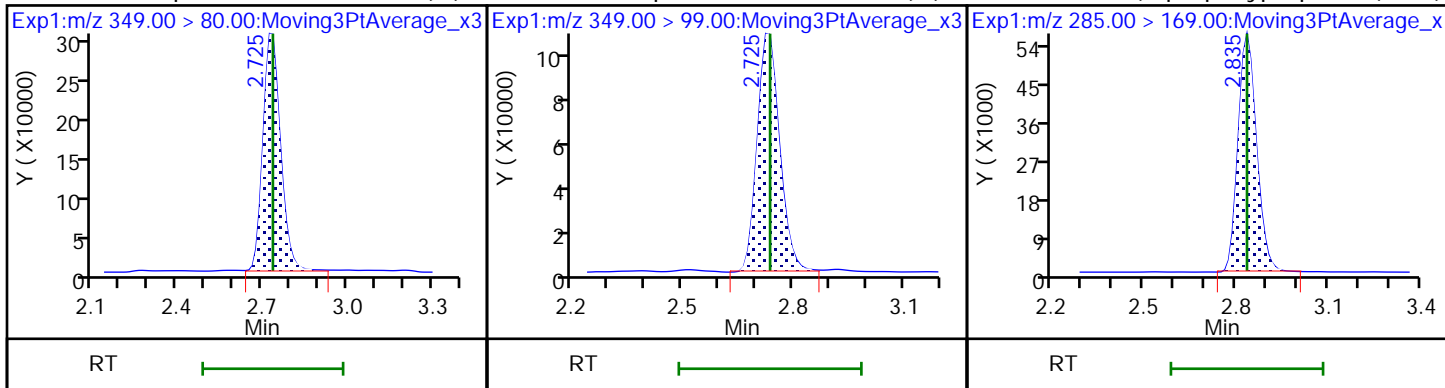
D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

D 3 13C5 PFPeA

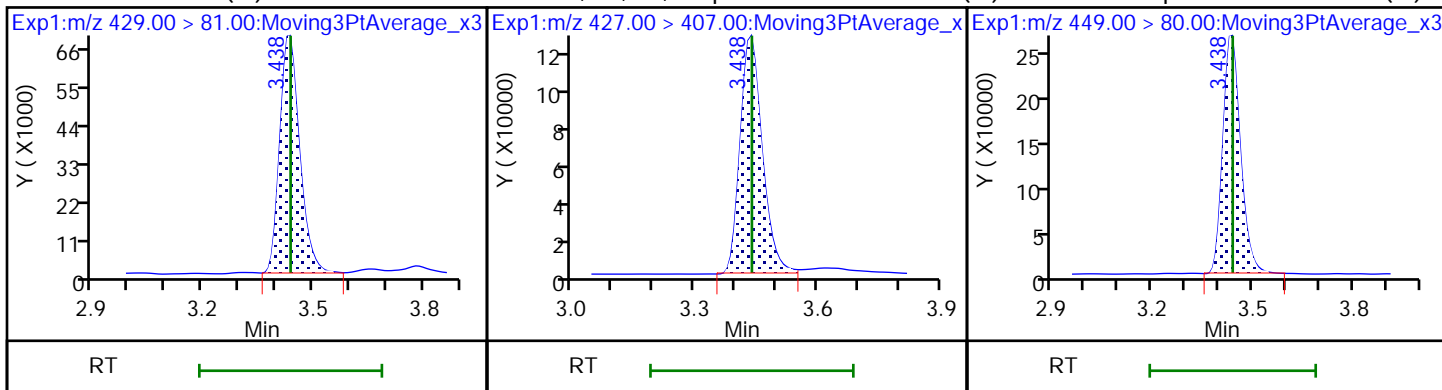


70 Perfluoropentanesulfonic acid (M) 70 Perfluoropentanesulfonic acid (M) 67 Perfluoro(2-propoxypropanoic) ac (M)



D 12 M2-6:2 FTS (M)

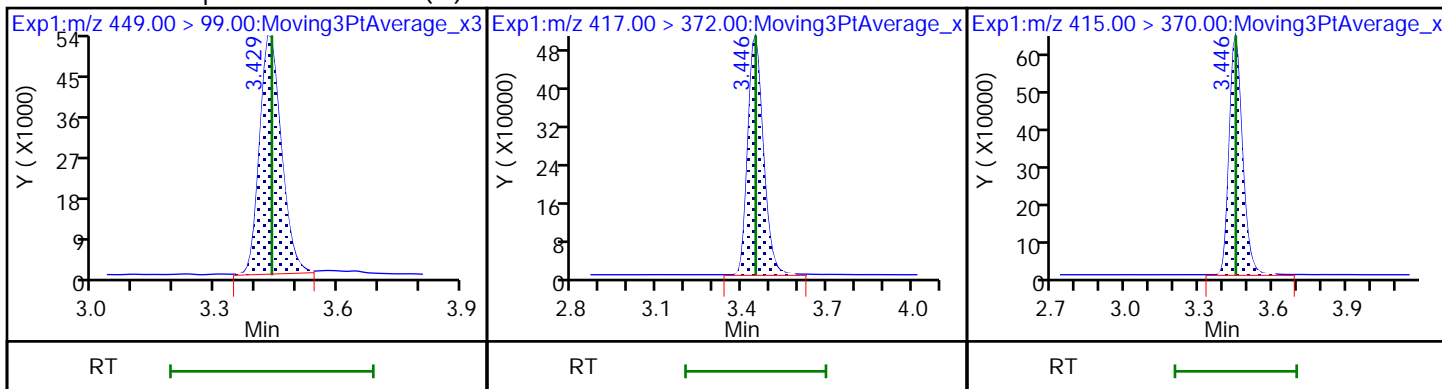
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 6 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

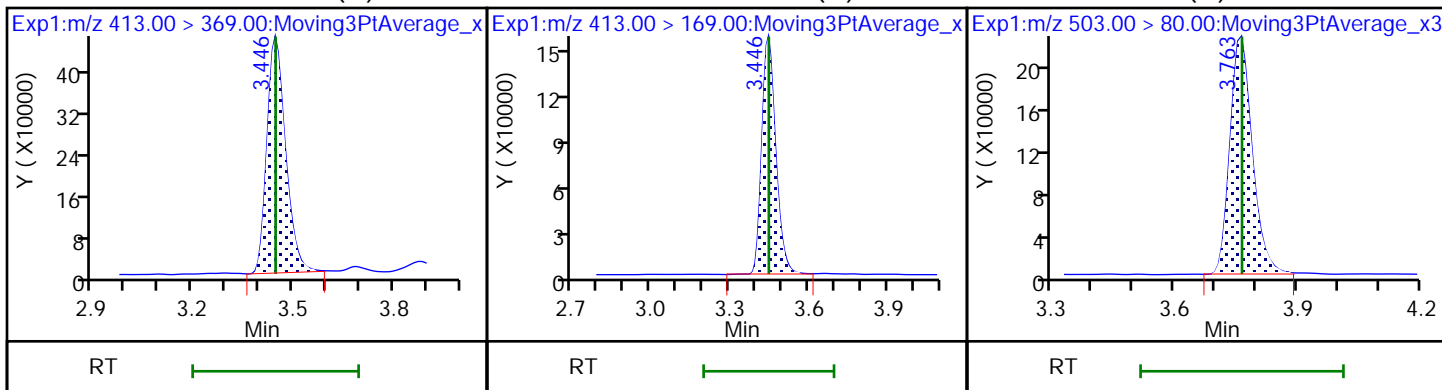
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

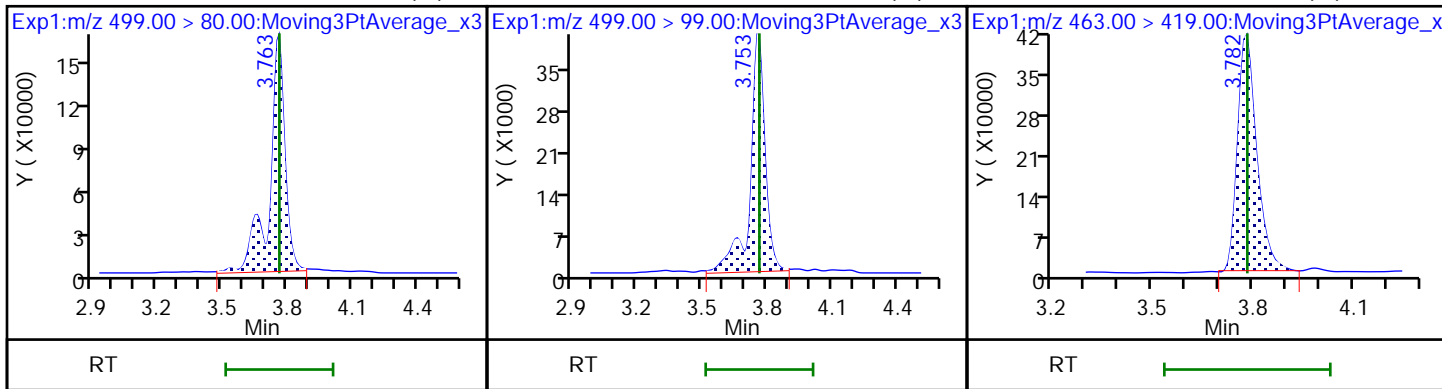
D 18 13C4 PFOS (M)

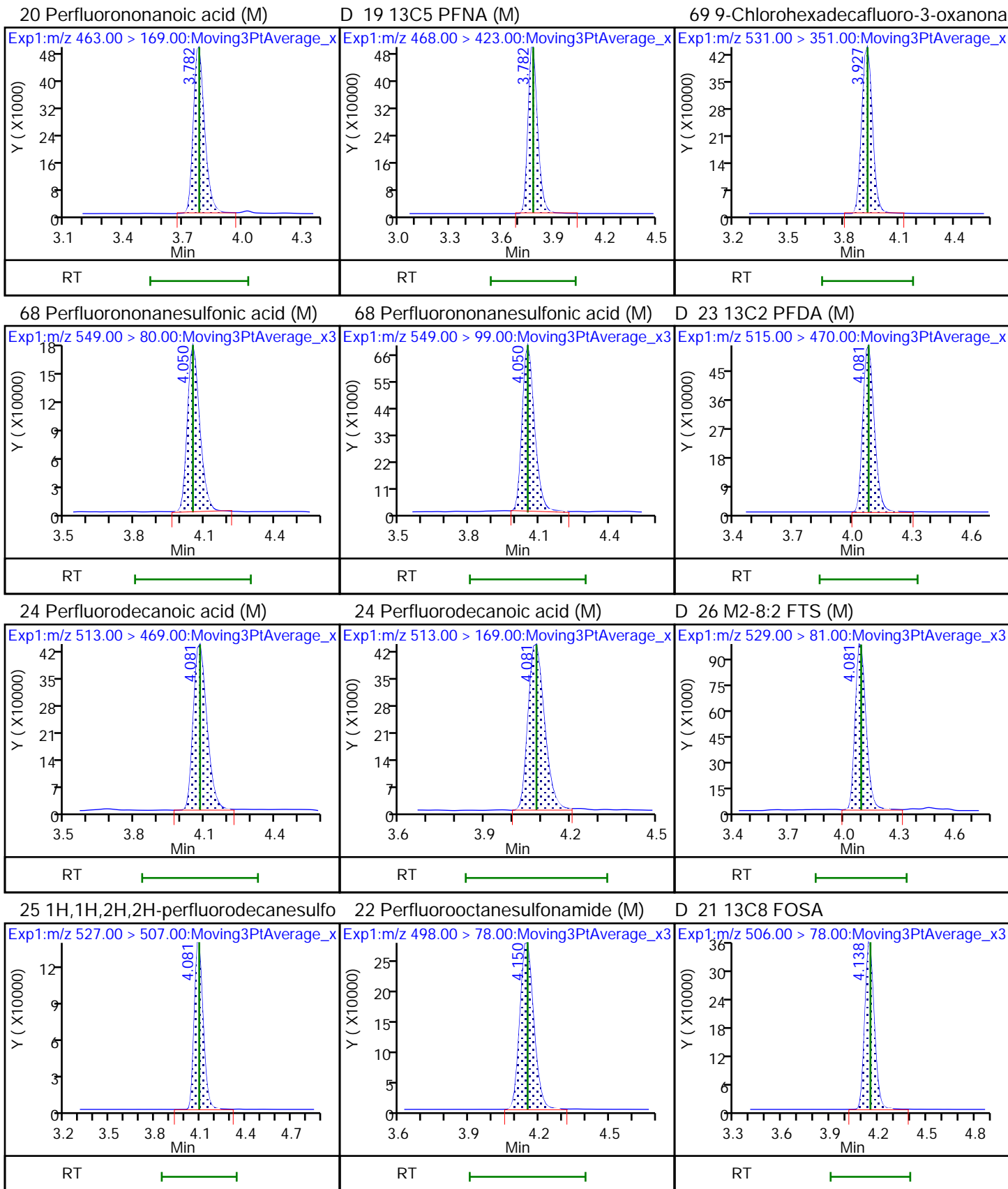


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

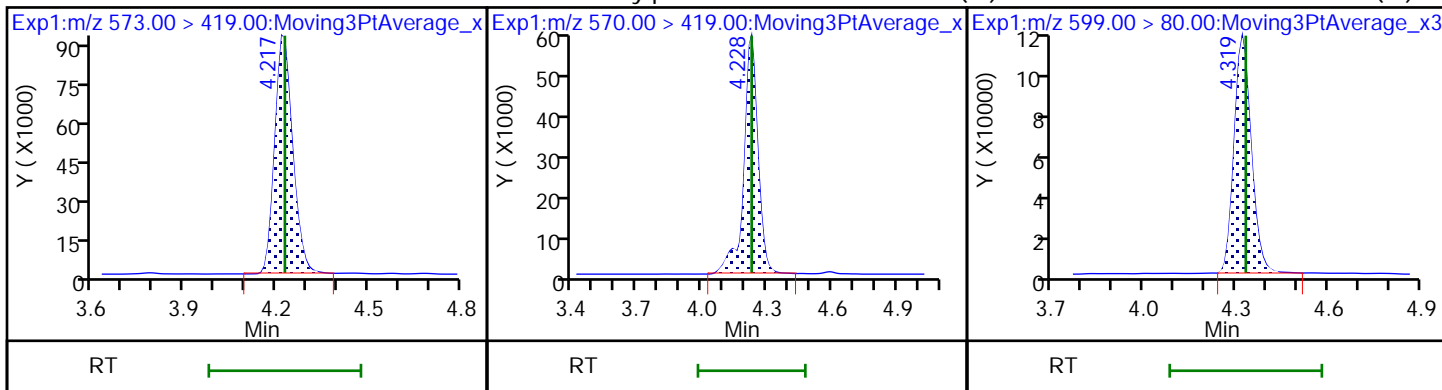
20 Perfluorononanoic acid (M)





D 27 d3-NMeFOSAA

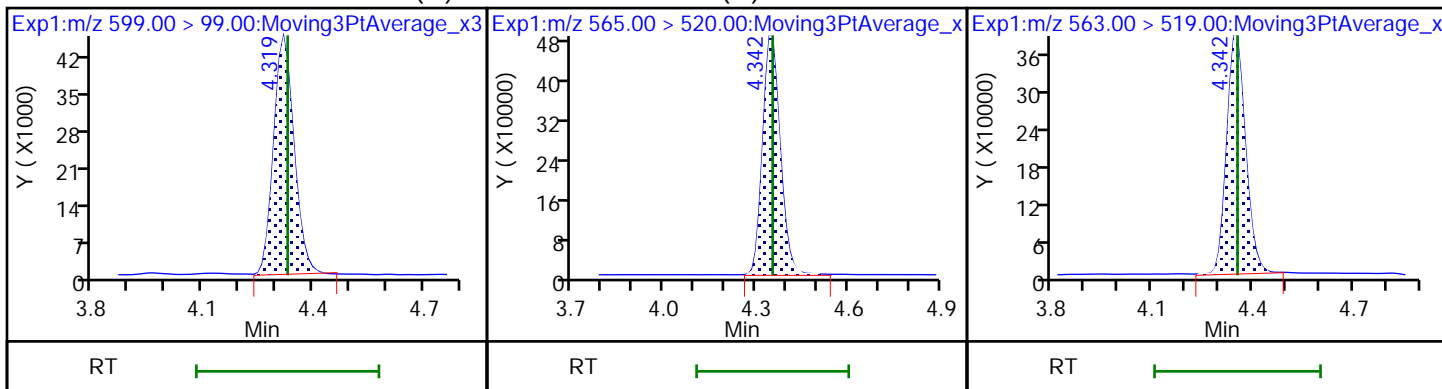
28 N-methylperfluorooctanesulfonami (M) 29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

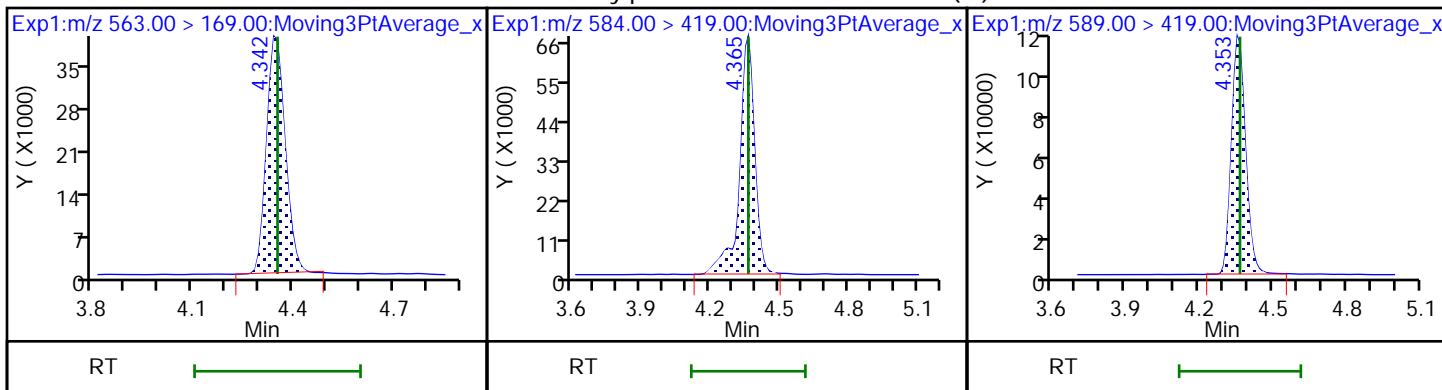
D 30 13C2 PFUa (M)

31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid

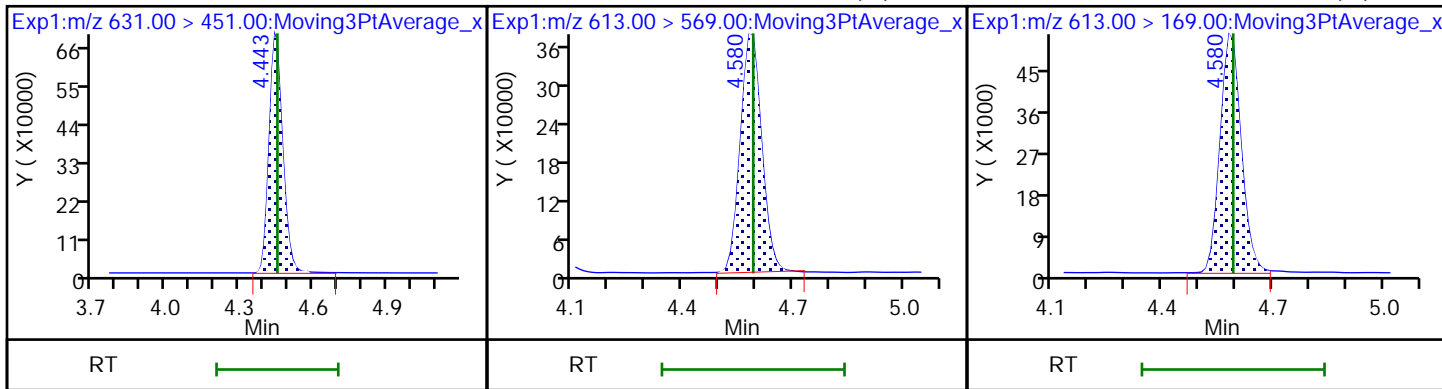
33 N-ethylperfluorooctanesulfonamid (M) 32 d5-NEtFOSAA



66 11-Chloroeicosafluoro-3-oxaundec

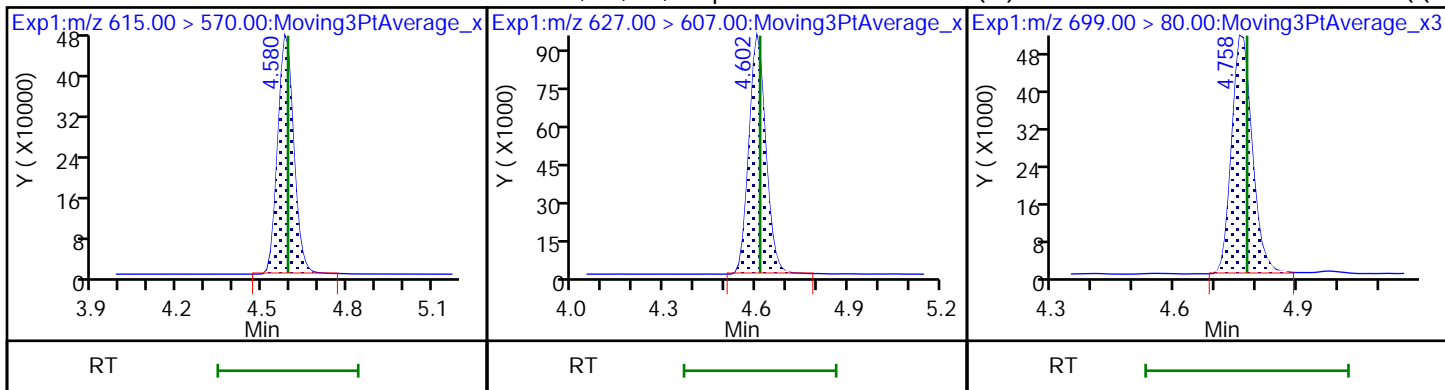
37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid (M)



D 36 13C2 PFDa

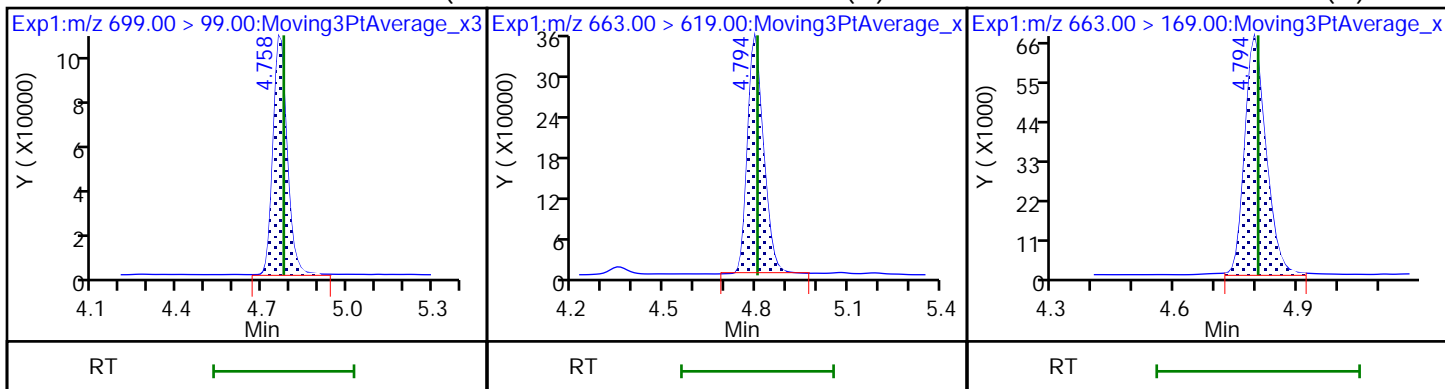
74 1H,1H,2H,2H-perfluorododecanesul (M) Perfluorododecanesulfonic acid ((M)



75 Perfluorododecanesulfonic acid (

41 Perfluorotridecanoic acid (M)

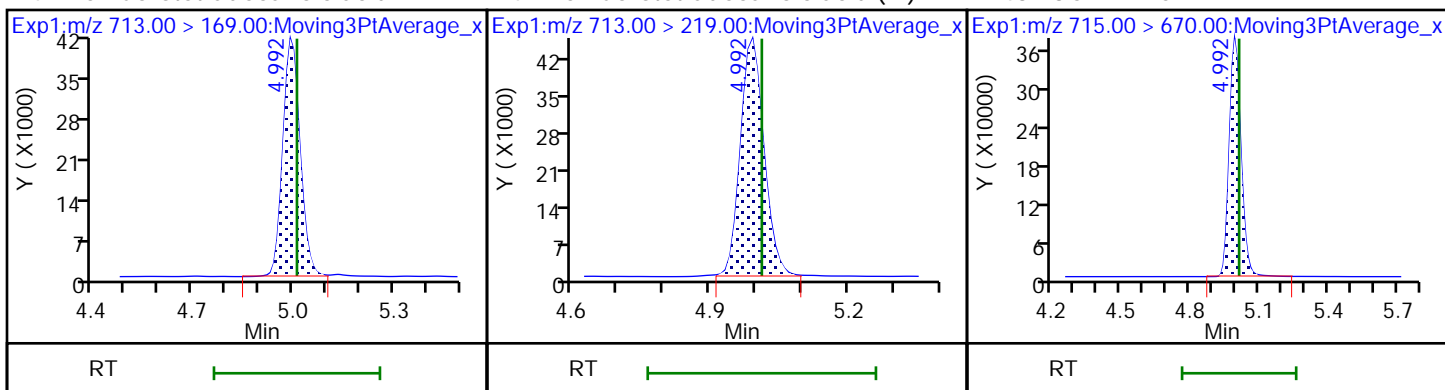
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid

42 Perfluorotetradecanoic acid (M)

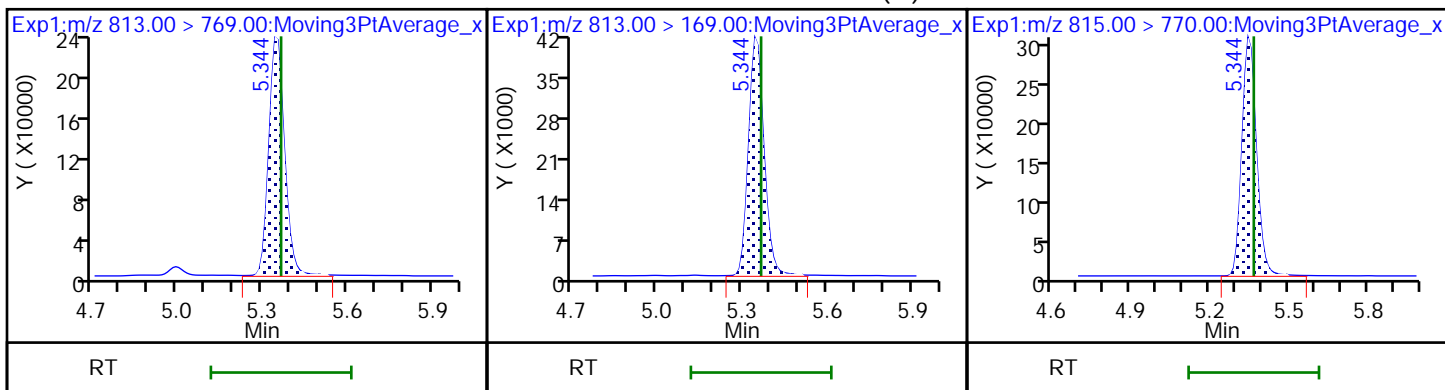
D 43 13C2 PFTeDA



45 Perfluorohexadecanoic acid

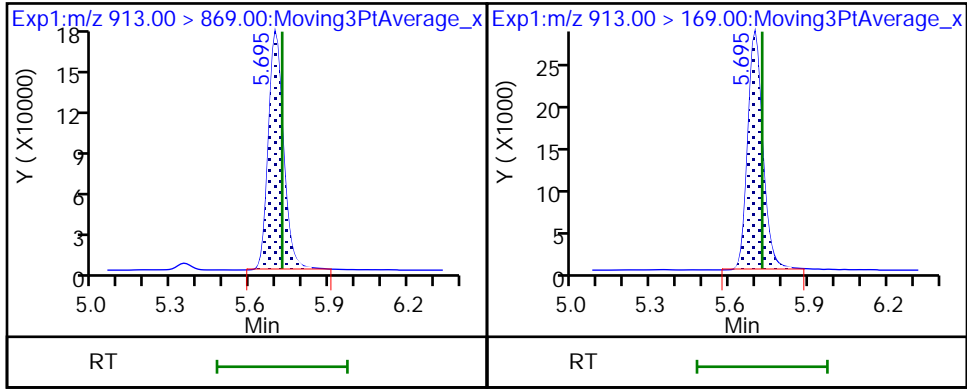
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid



Eurofins Burlington

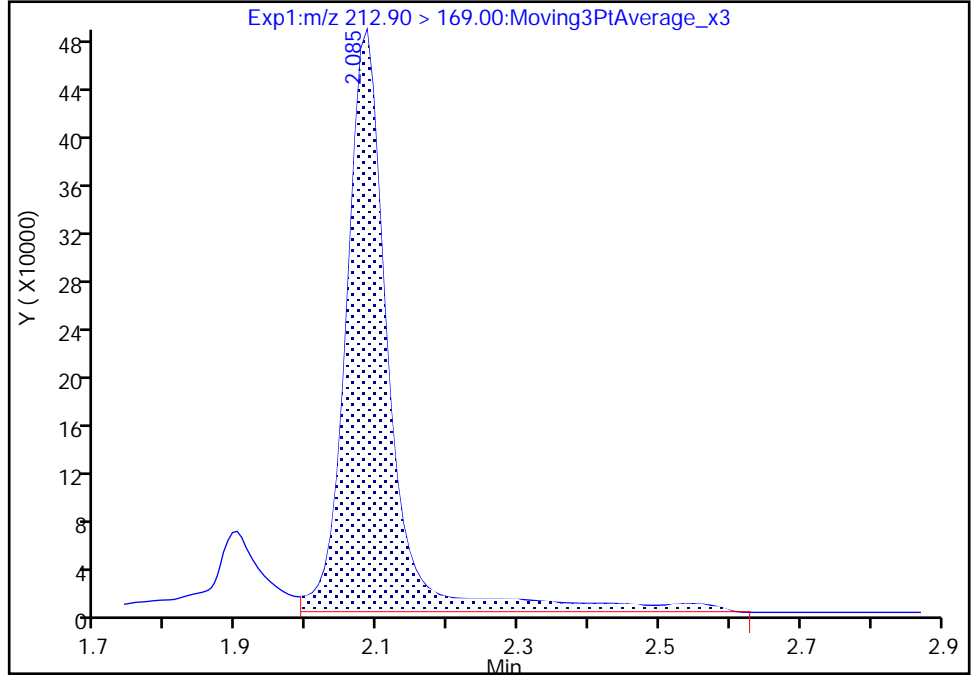
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

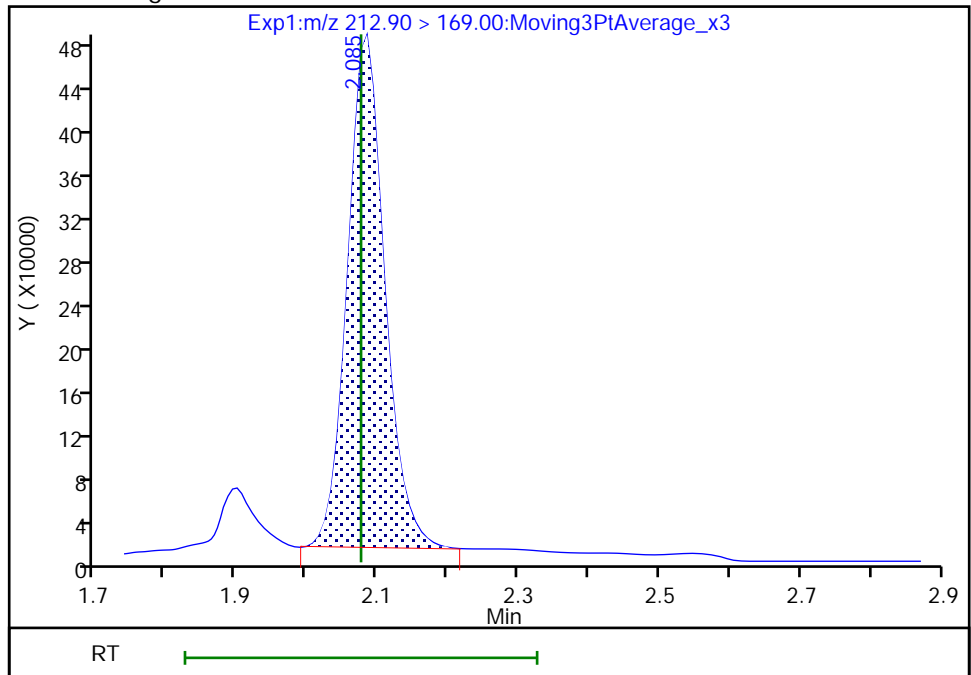
RT: 2.08
Area: 2080216
Amount: 1.168364
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 1739340
Amount: 0.976909
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:57:53
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

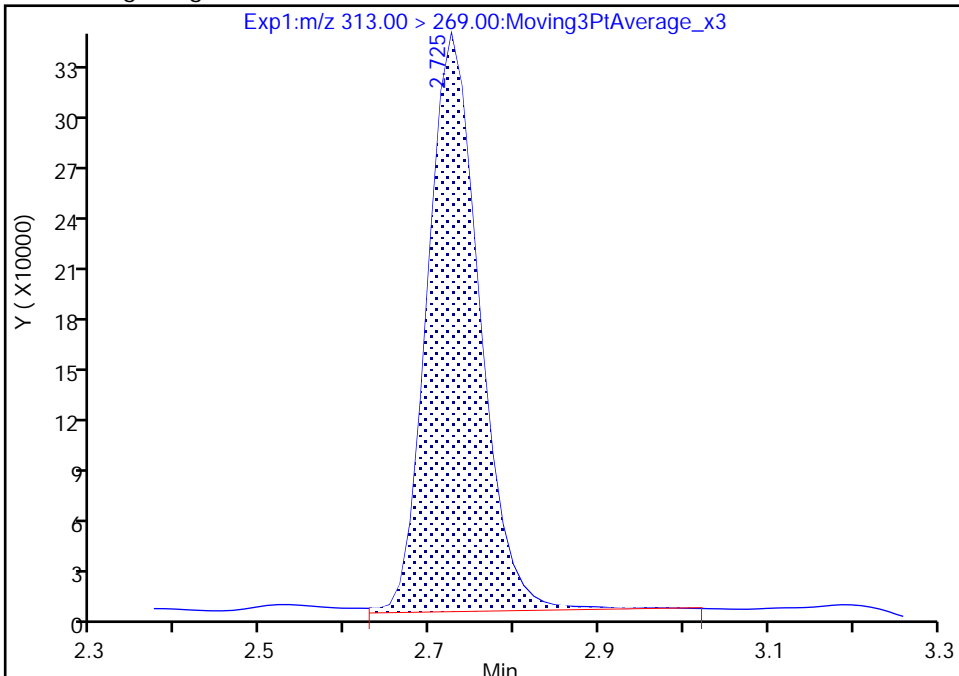
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

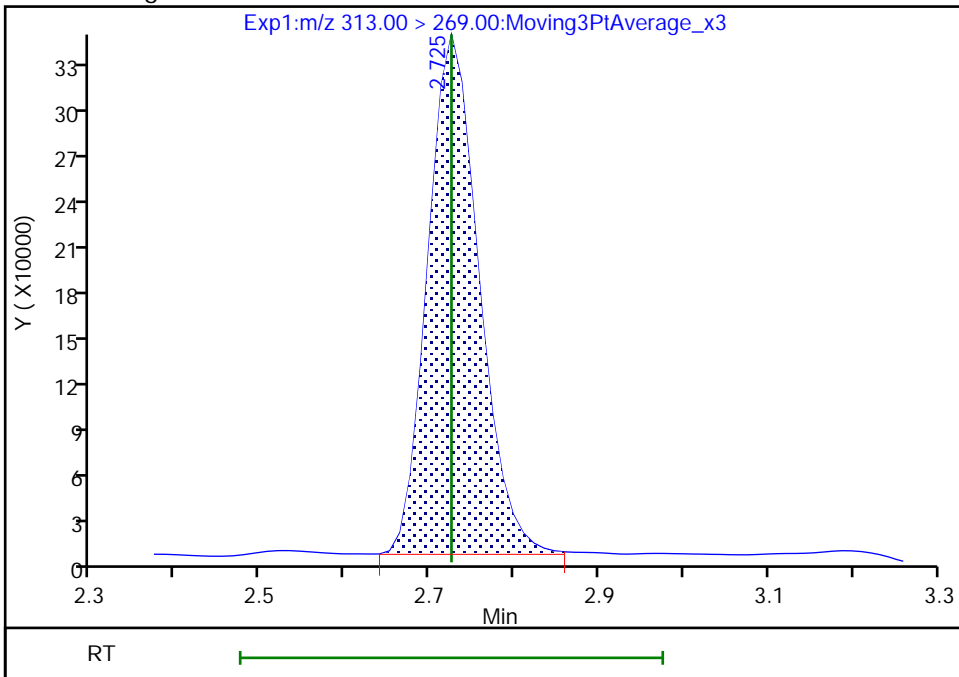
RT: 2.73
Area: 1469520
Amount: 1.011593
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 1432215
Amount: 0.985913
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:58:23
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 836 of 939

Eurofins Burlington

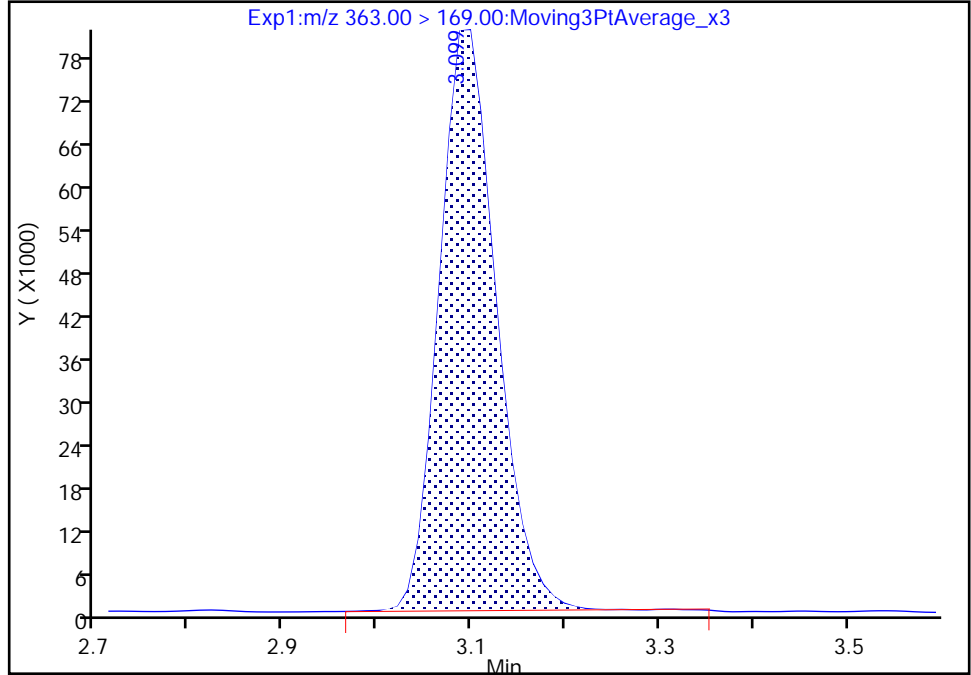
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

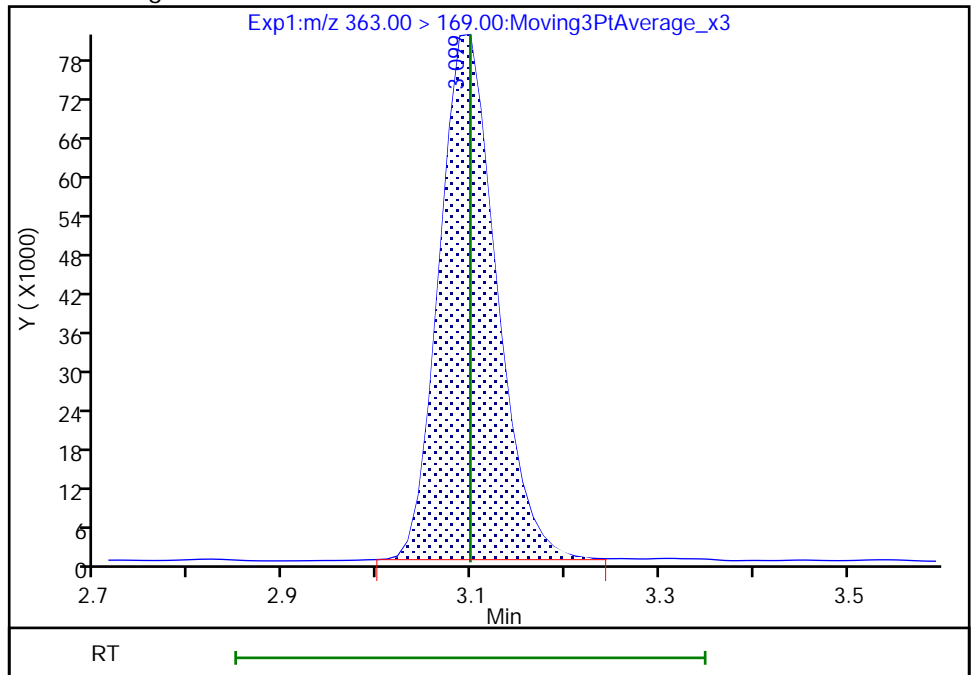
RT: 3.10
Area: 345032
Amount: 1.029825
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 342529
Amount: 1.008897
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:58:55
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 837 of 939

Eurofins Burlington

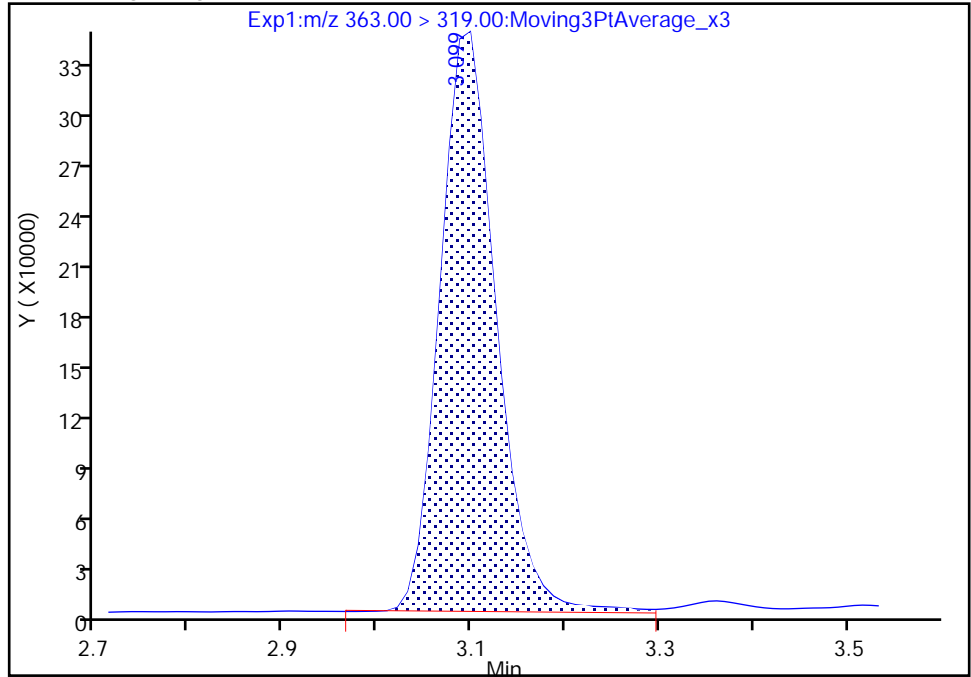
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

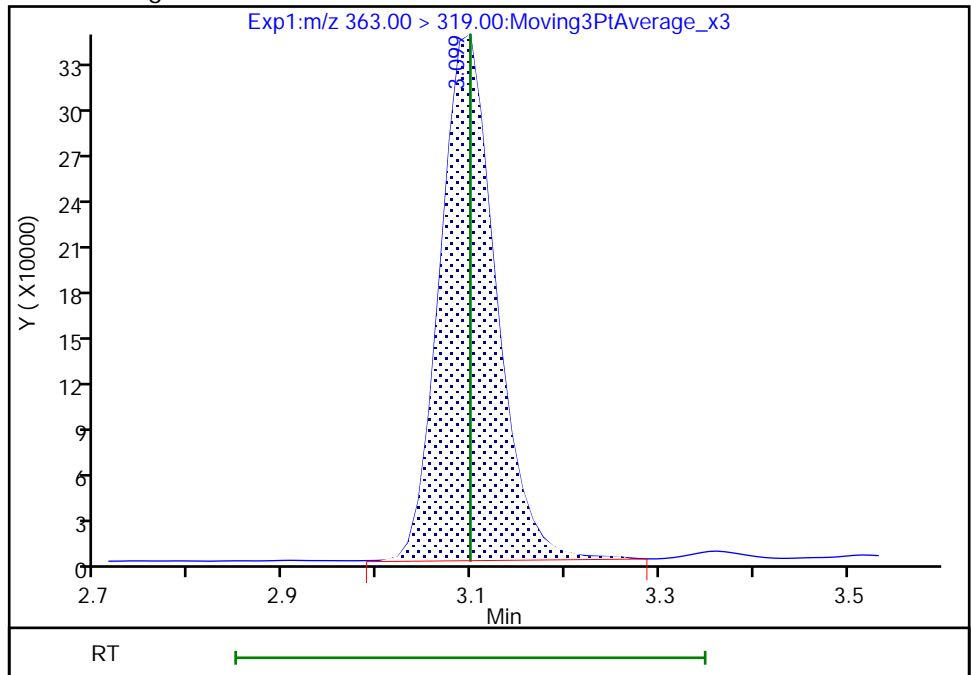
RT: 3.10
Area: 1448482
Amount: 1.029825
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 1419046
Amount: 1.008897
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:59:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

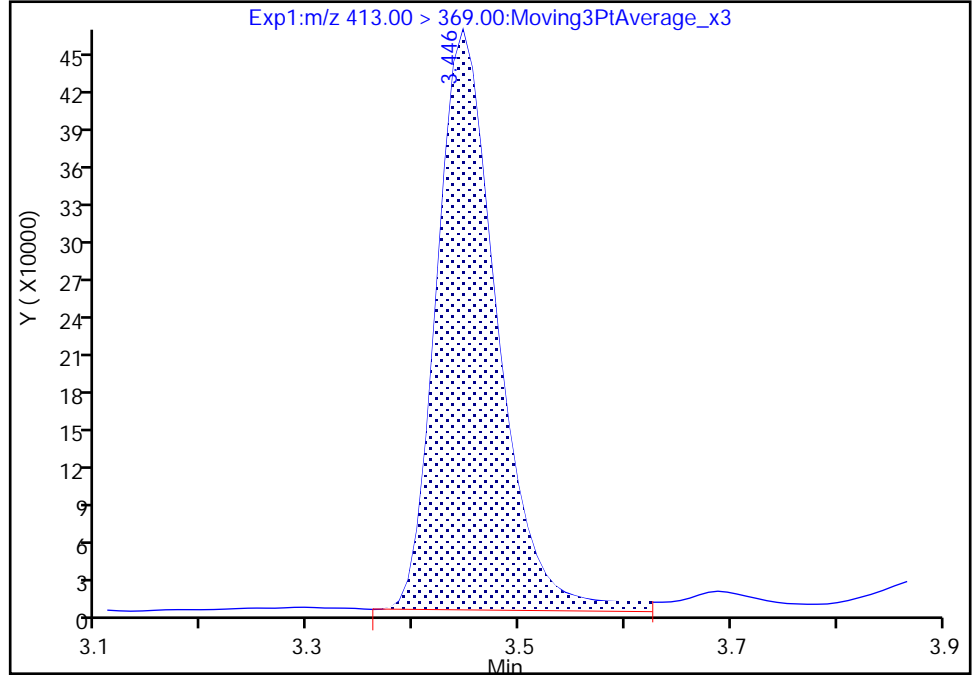
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

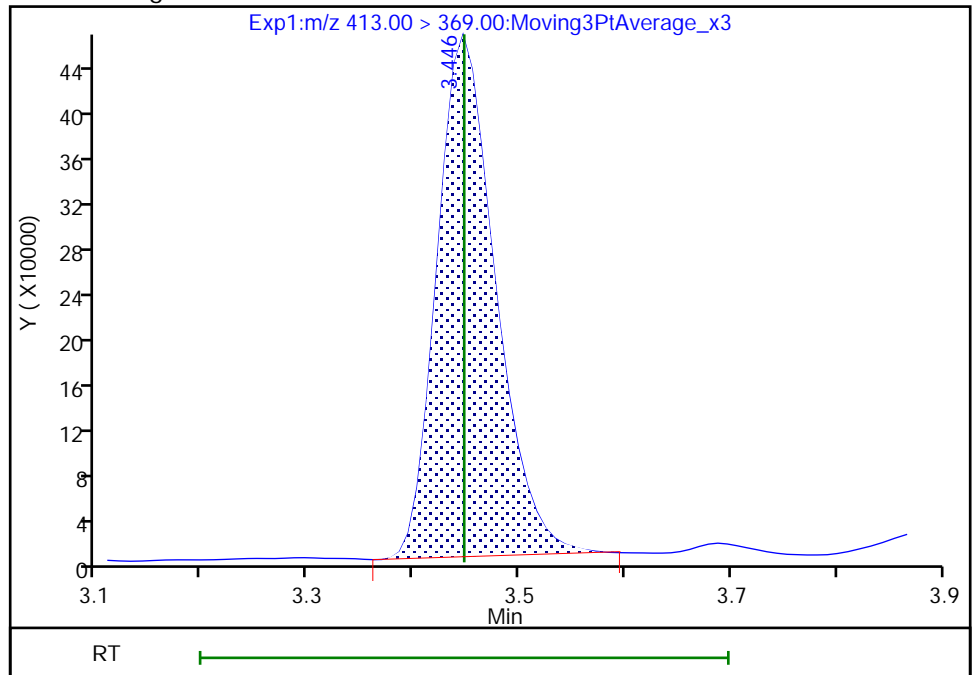
RT: 3.45
Area: 1808932
Amount: 1.115619
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 1737201
Amount: 1.071381
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:59:30
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

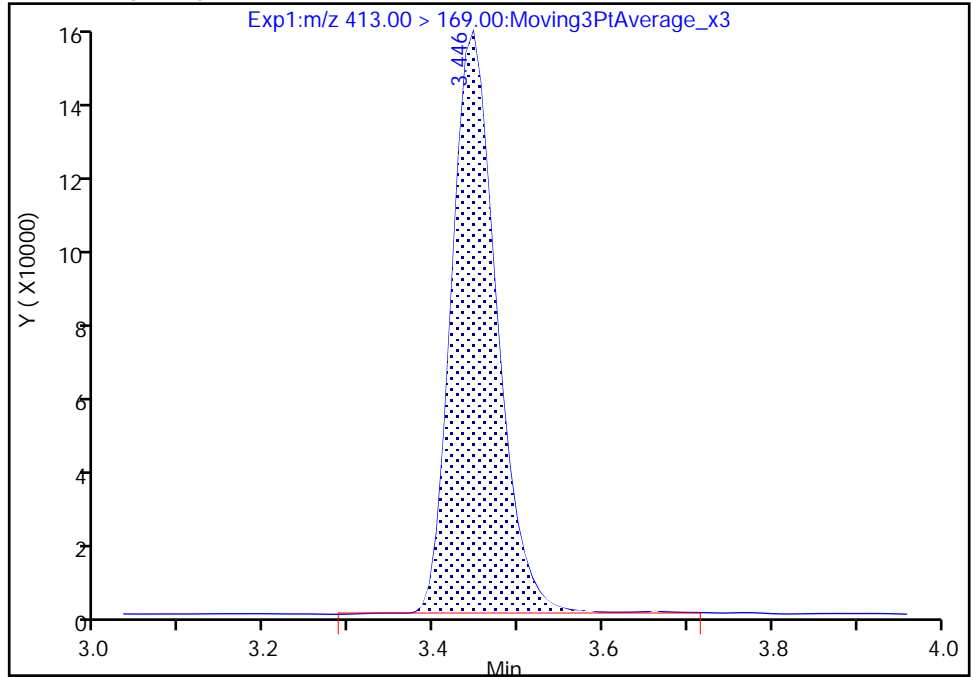
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

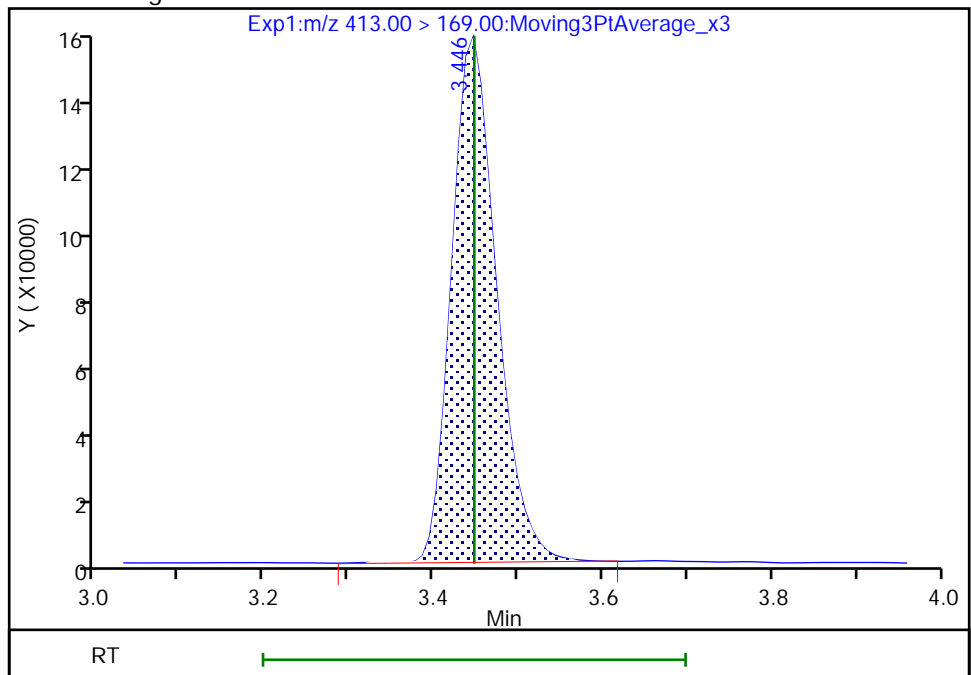
RT: 3.45
Area: 573122
Amount: 1.115619
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 570217
Amount: 1.071381
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Dec-2022 12:59:35

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

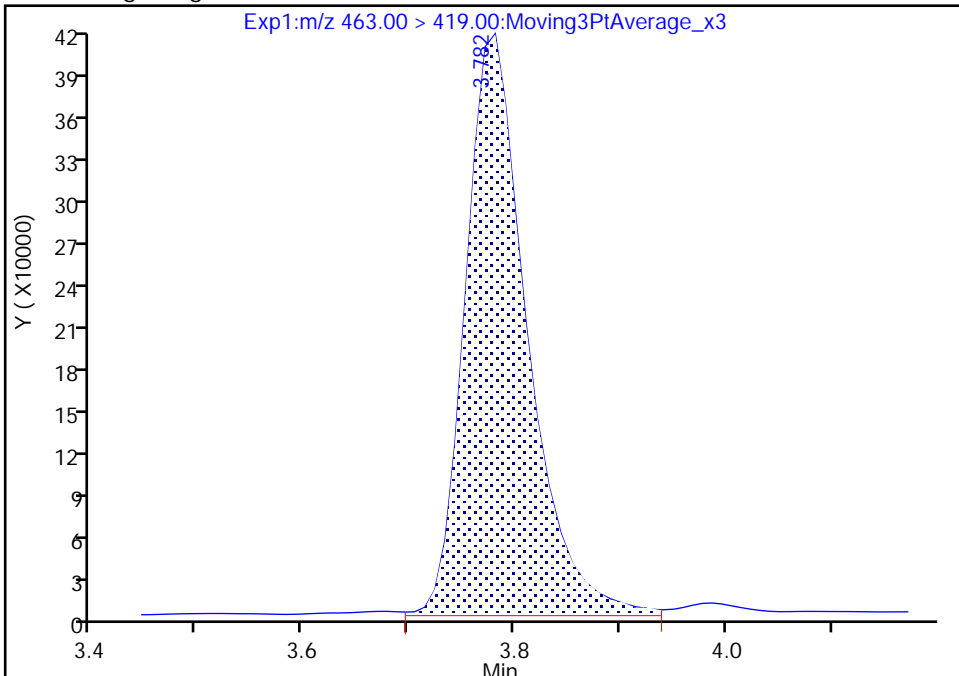
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

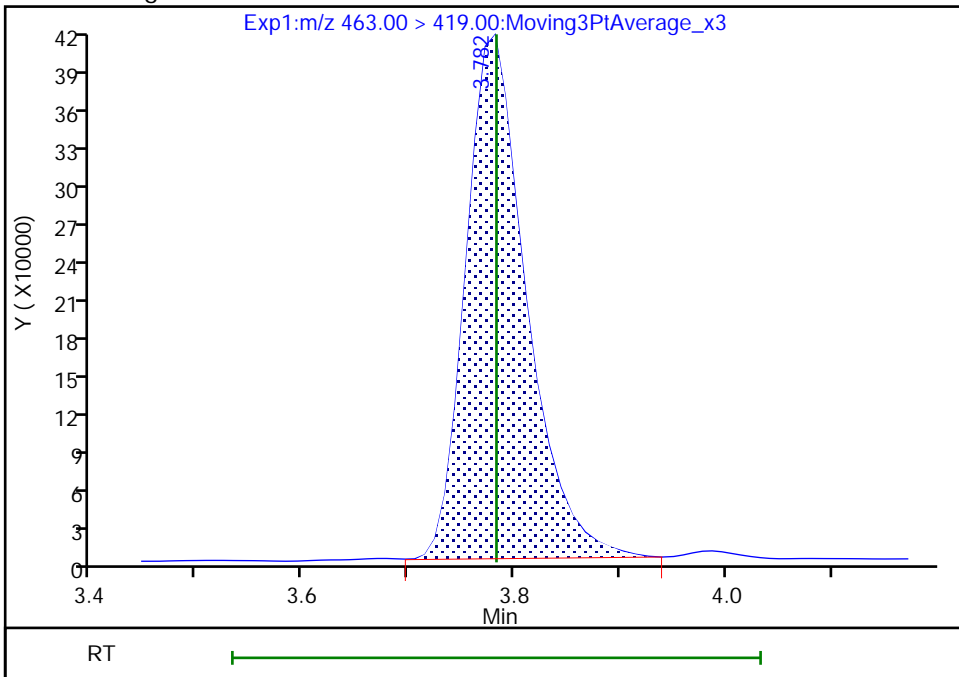
RT: 3.78
Area: 1662718
Amount: 1.037912
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 1614131
Amount: 1.007583
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:00:03
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 841 of 939

Eurofins Burlington

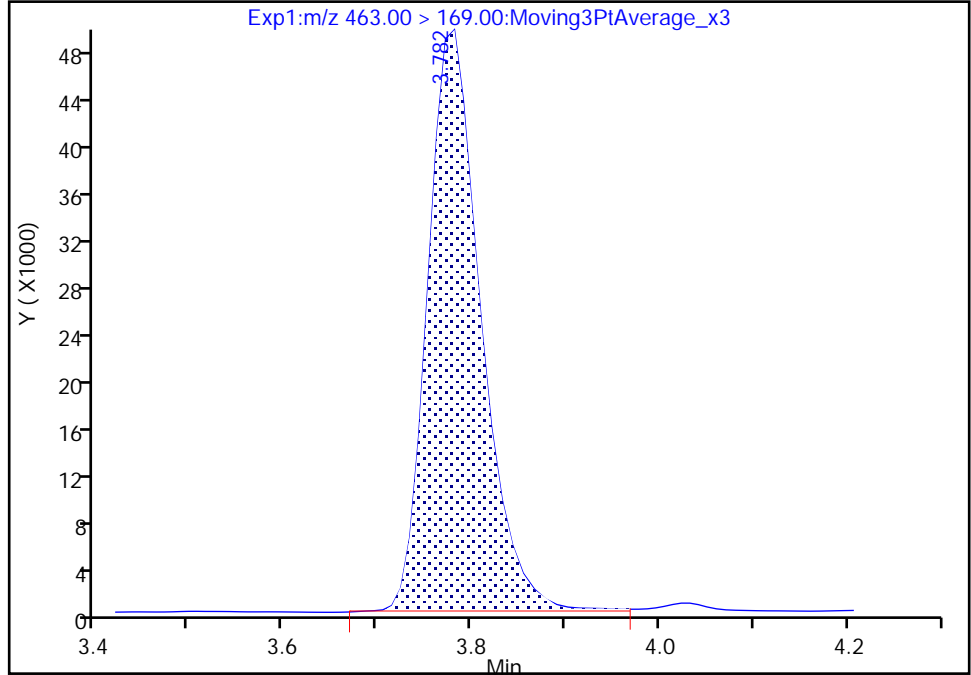
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

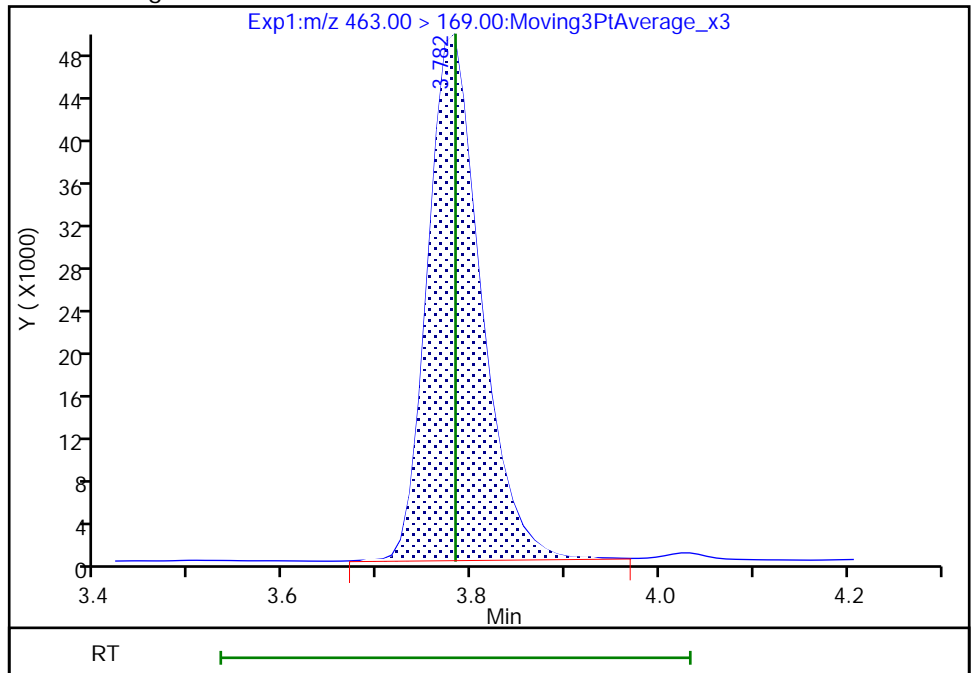
RT: 3.78
Area: 194427
Amount: 1.037912
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 192813
Amount: 1.007583
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Dec-2022 13:00:08

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

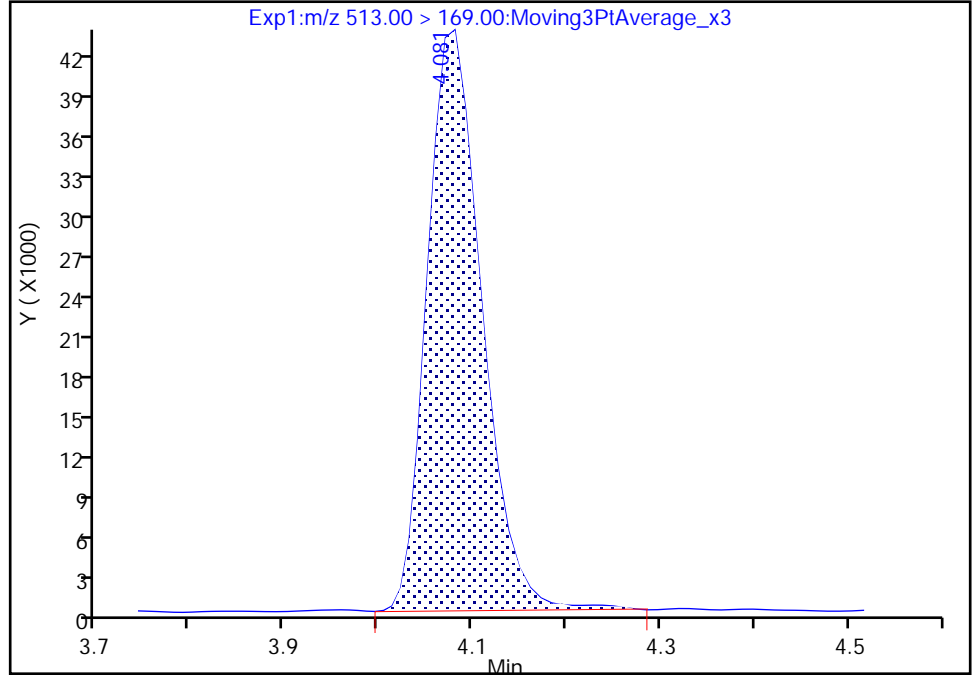
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

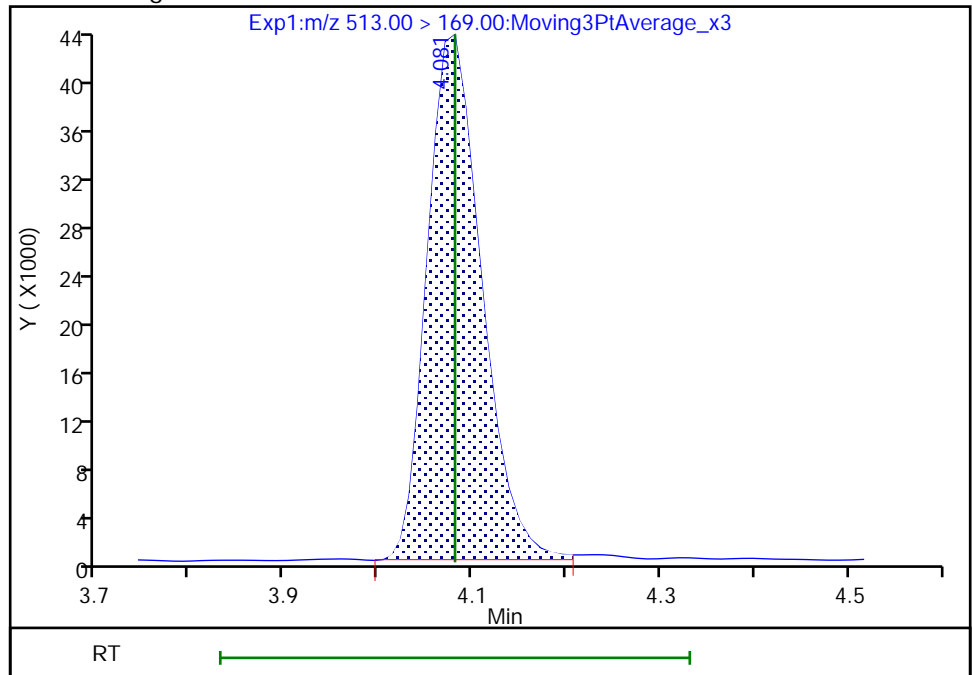
RT: 4.08
Area: 176104
Amount: 0.979463
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 174884
Amount: 0.977679
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:00:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

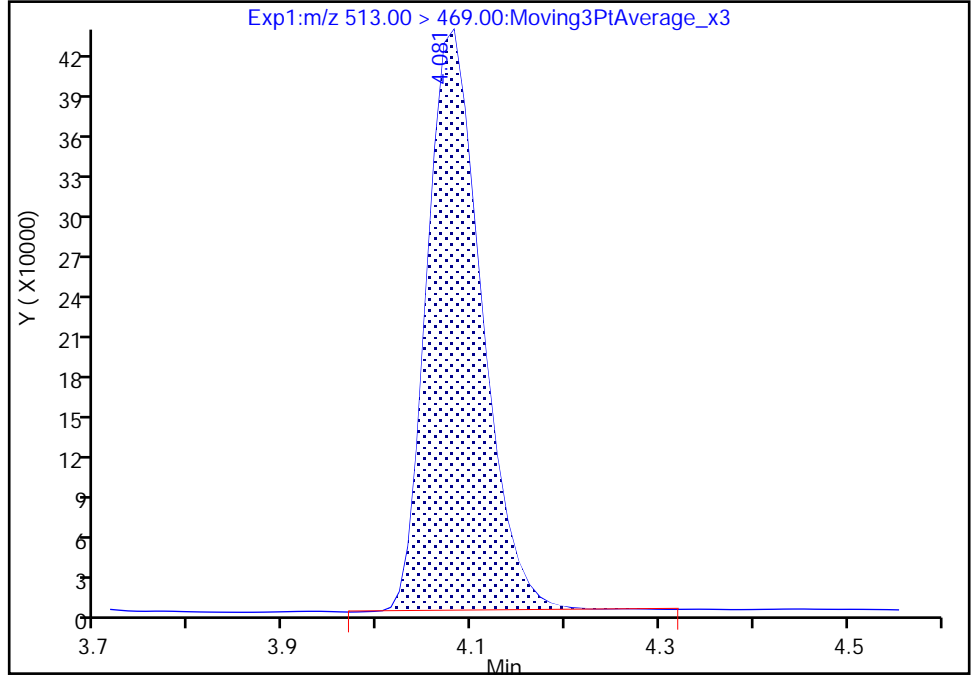
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

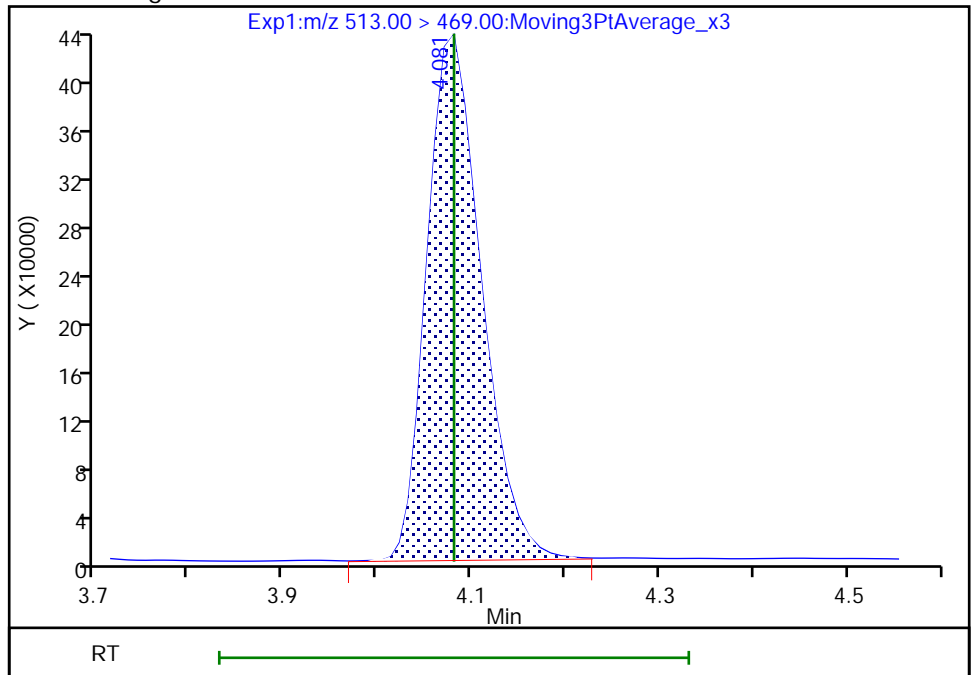
RT: 4.08
Area: 1751289
Amount: 0.979463
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 1748100
Amount: 0.977679
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Dec-2022 13:00:35

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

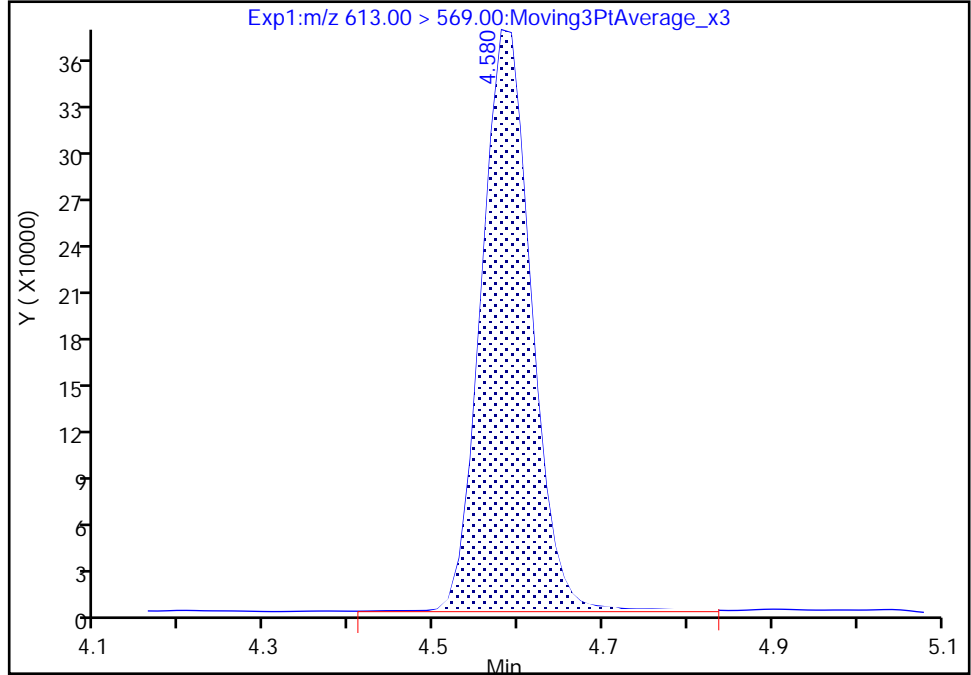
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

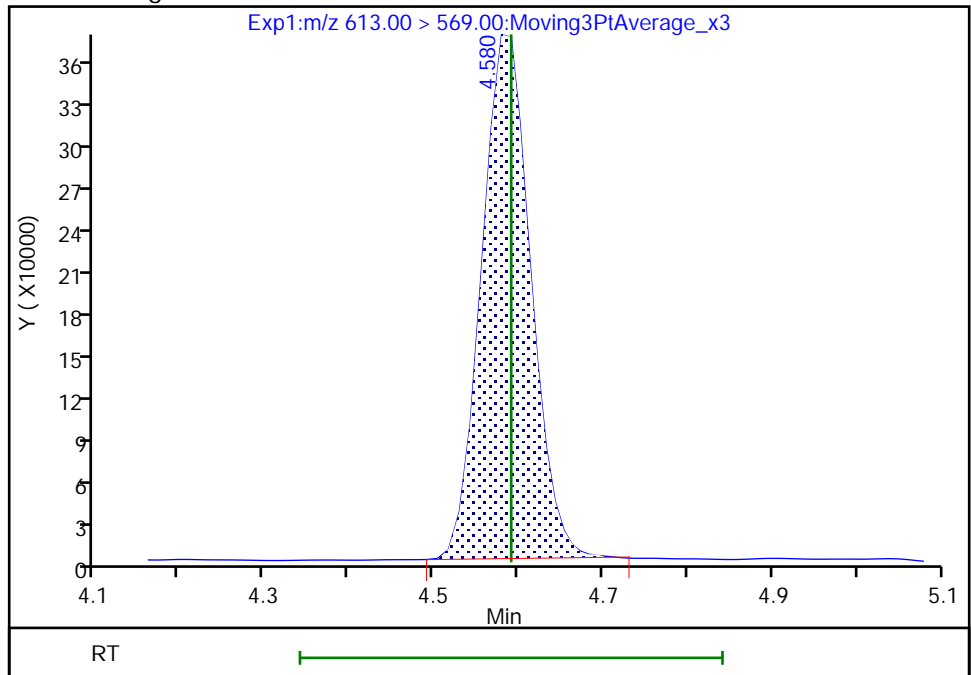
RT: 4.58
Area: 1520888
Amount: 0.959620
Amount Units: ng/ml

Processing Integration Results



RT: 4.58
Area: 1504231
Amount: 0.949110
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:01:14
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

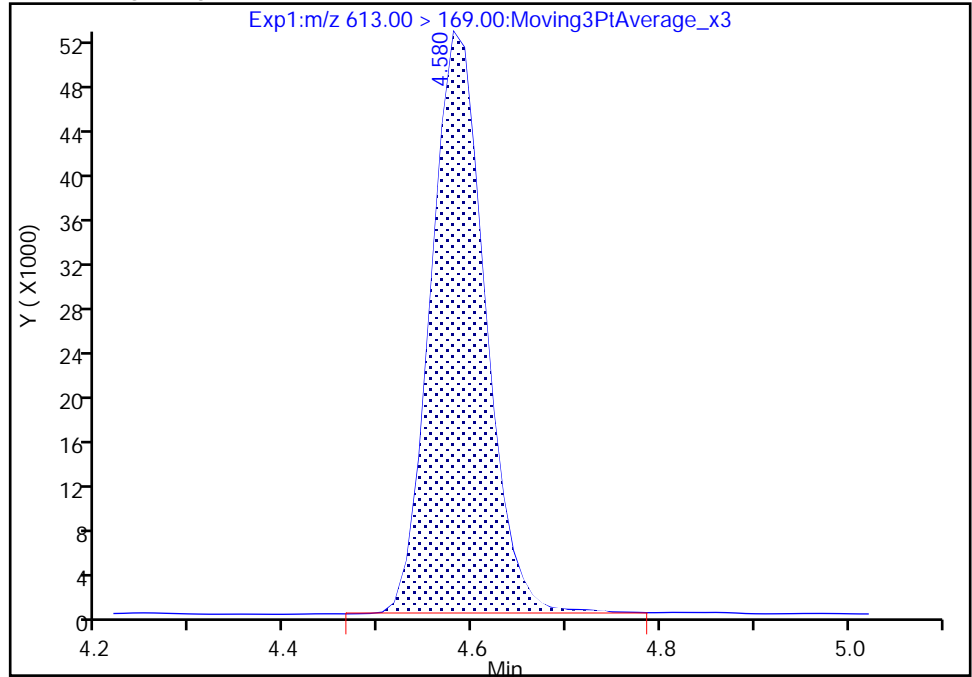
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

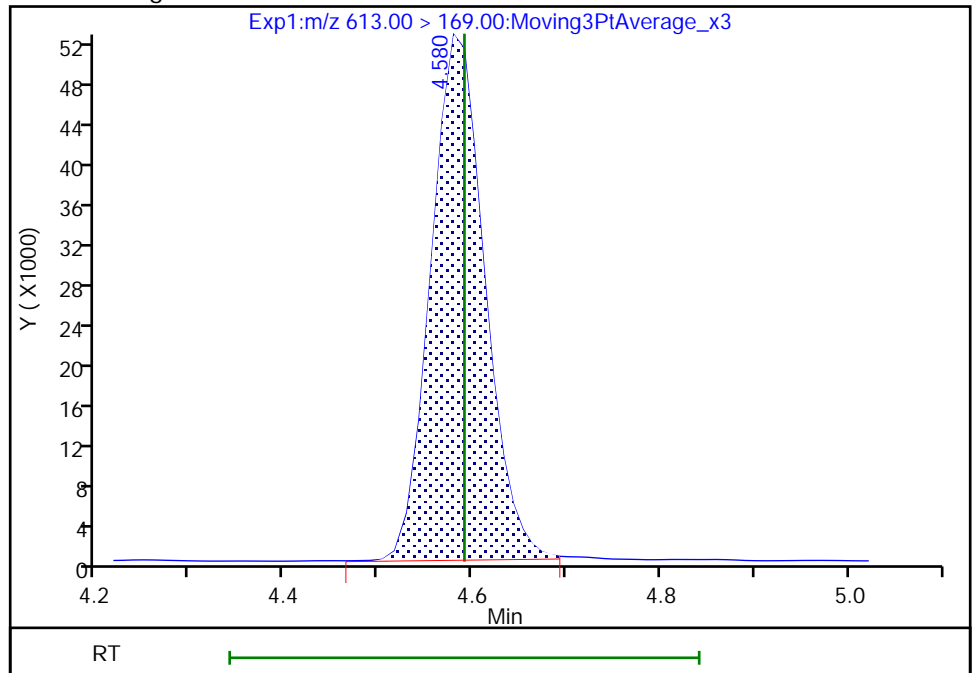
RT: 4.58
Area: 208800
Amount: 0.959620
Amount Units: ng/ml

Processing Integration Results



RT: 4.58
Area: 207876
Amount: 0.949110
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:01:24

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

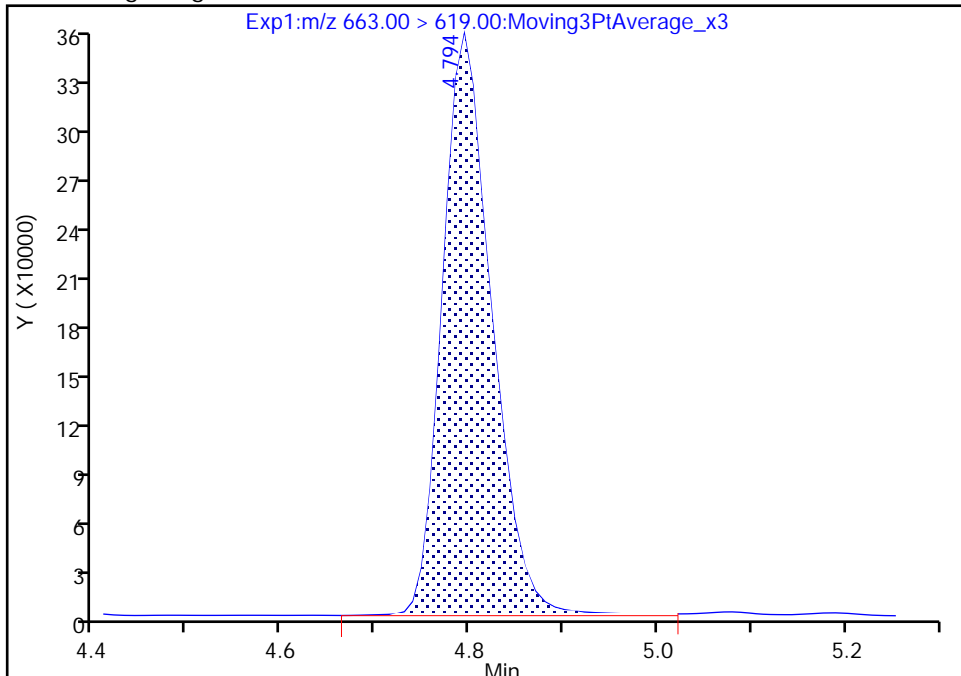
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

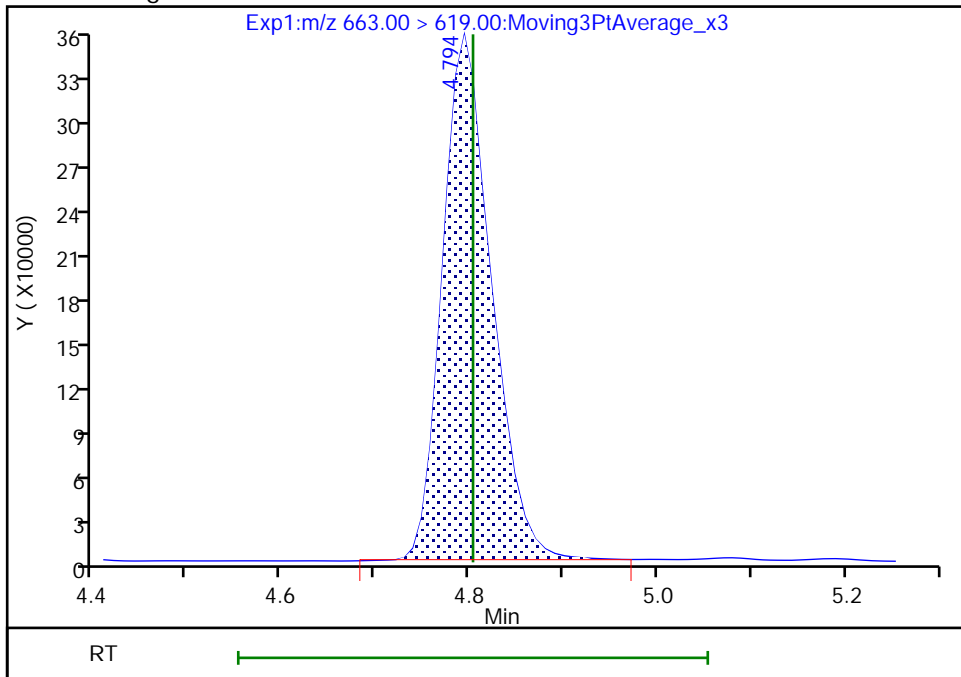
RT: 4.79
Area: 1286440
Amount: 0.848730
Amount Units: ng/ml

Processing Integration Results



RT: 4.79
Area: 1267350
Amount: 0.836135
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:01:45
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 847 of 939

Eurofins Burlington

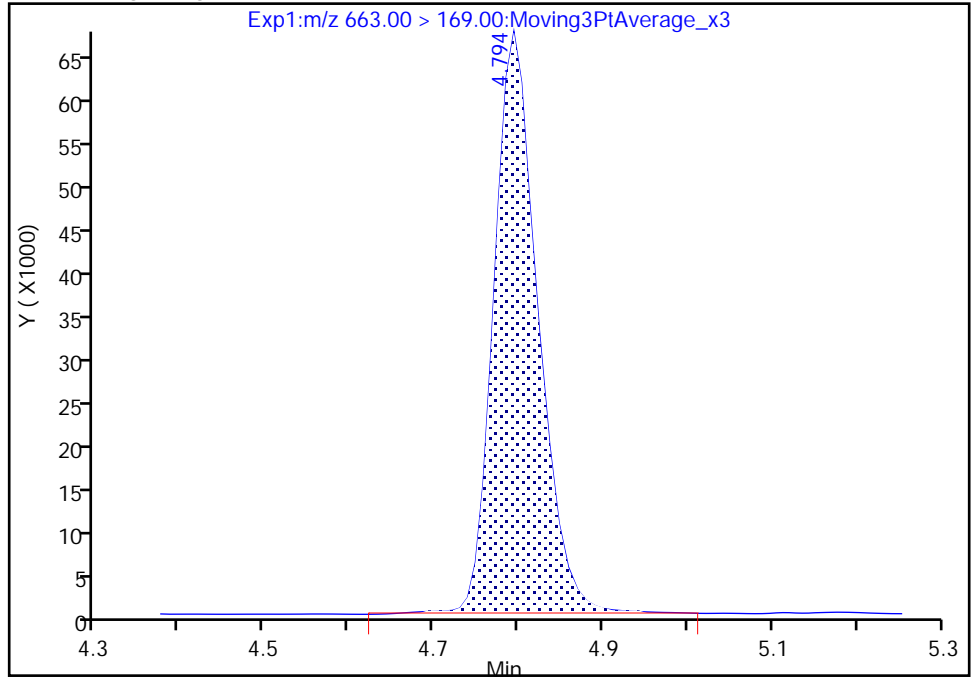
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

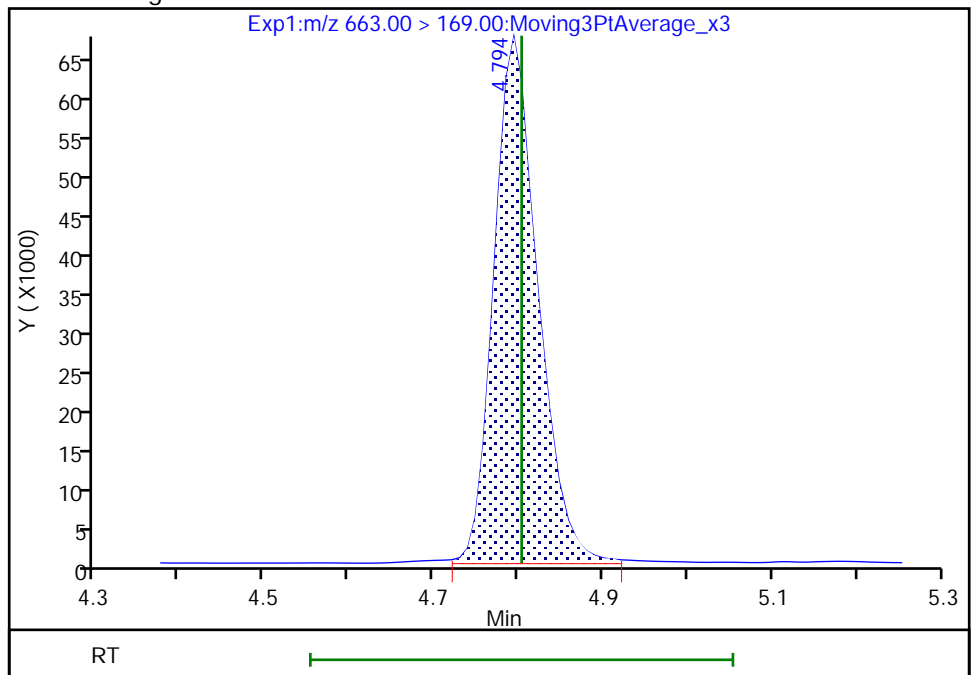
RT: 4.79
Area: 244423
Amount: 0.848730
Amount Units: ng/ml

Processing Integration Results



RT: 4.79
Area: 241831
Amount: 0.836135
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Dec-2022 13:02:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 848 of 939

Eurofins Burlington

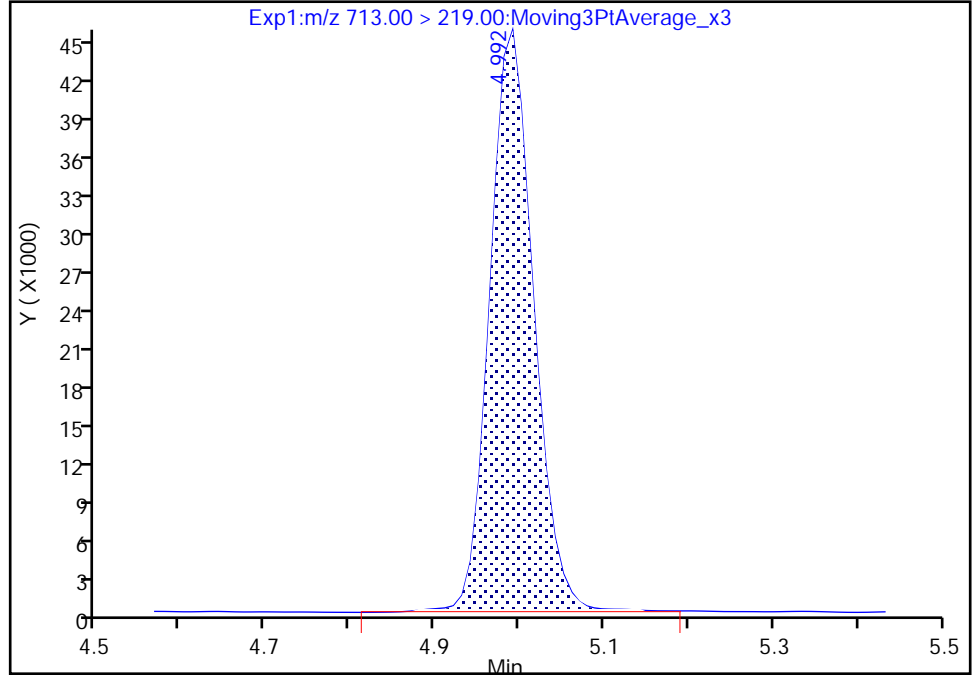
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

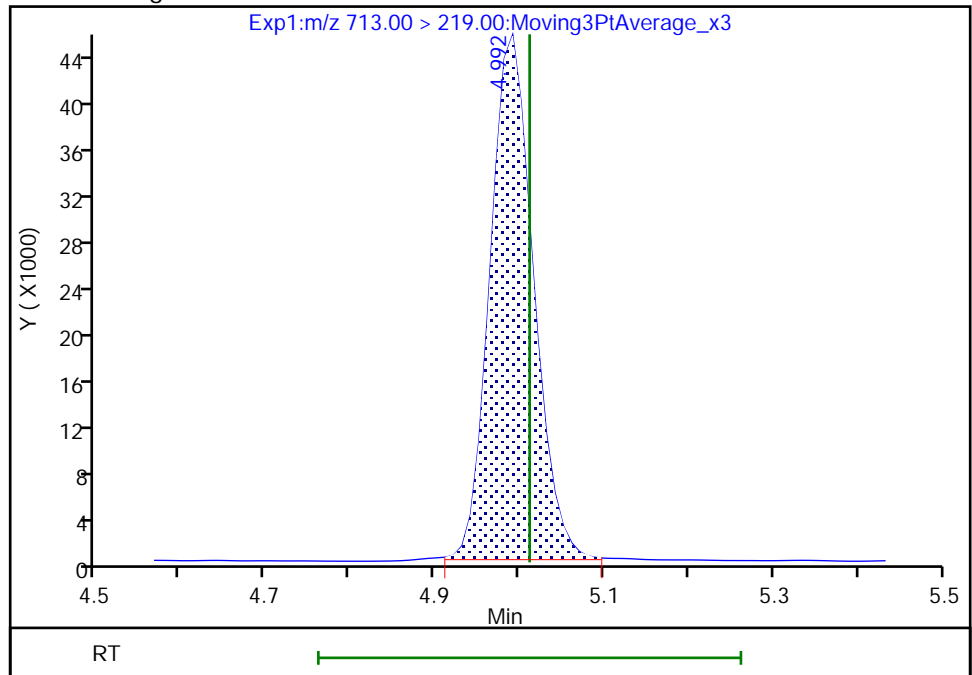
RT: 4.99
Area: 163557
Amount: 1.027439
Amount Units: ng/ml

Processing Integration Results



RT: 4.99
Area: 162543
Amount: 1.027439
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:02:14
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 849 of 939

Eurofins Burlington

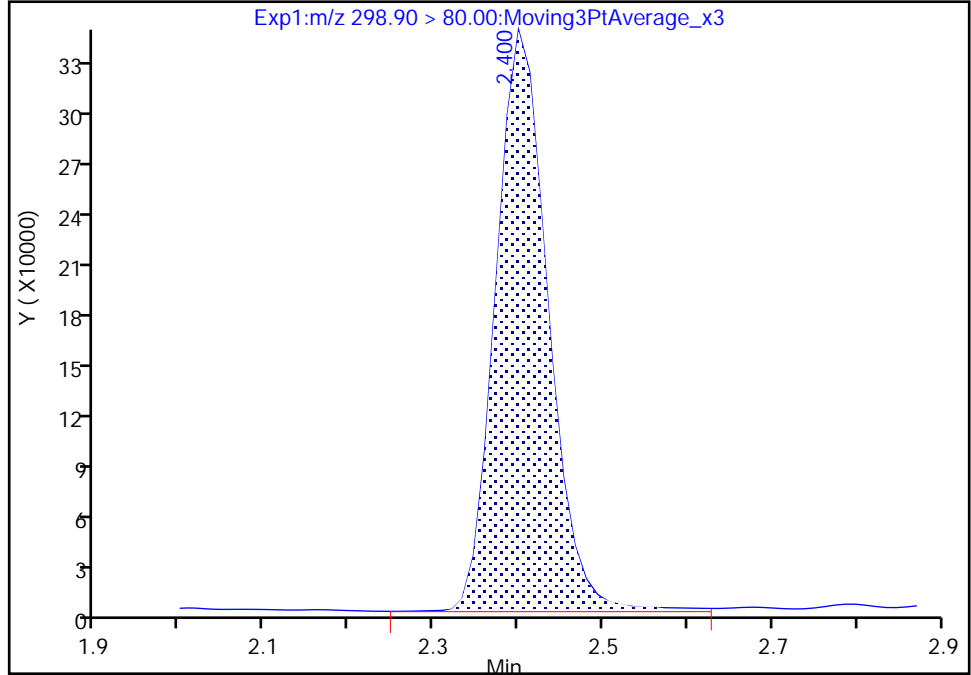
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

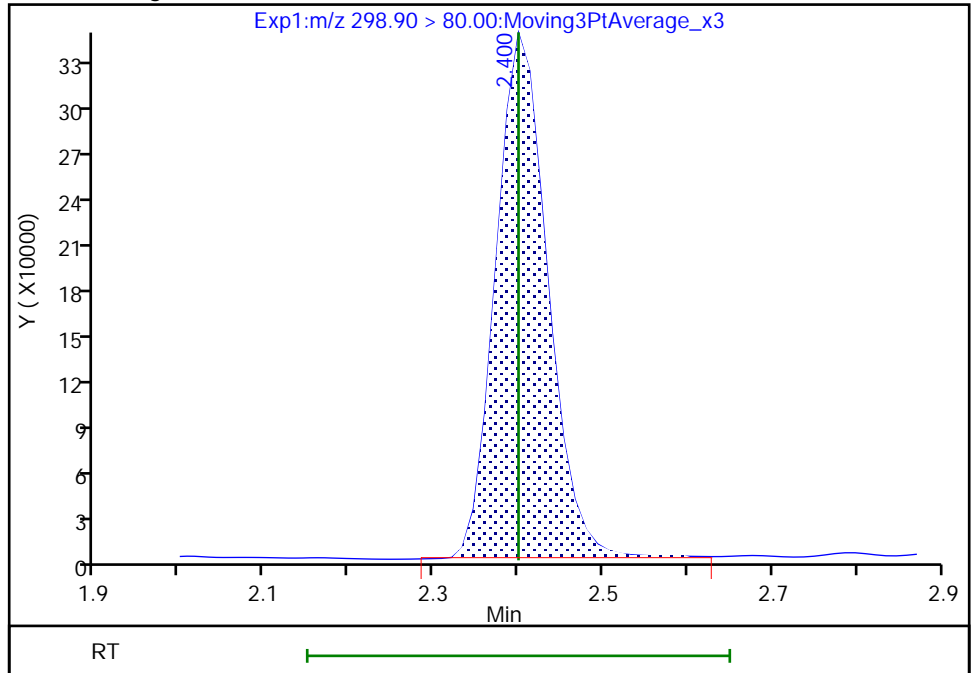
RT: 2.40
Area: 1468440
Amount: 0.865008
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 1441403
Amount: 0.849081
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:58:01
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

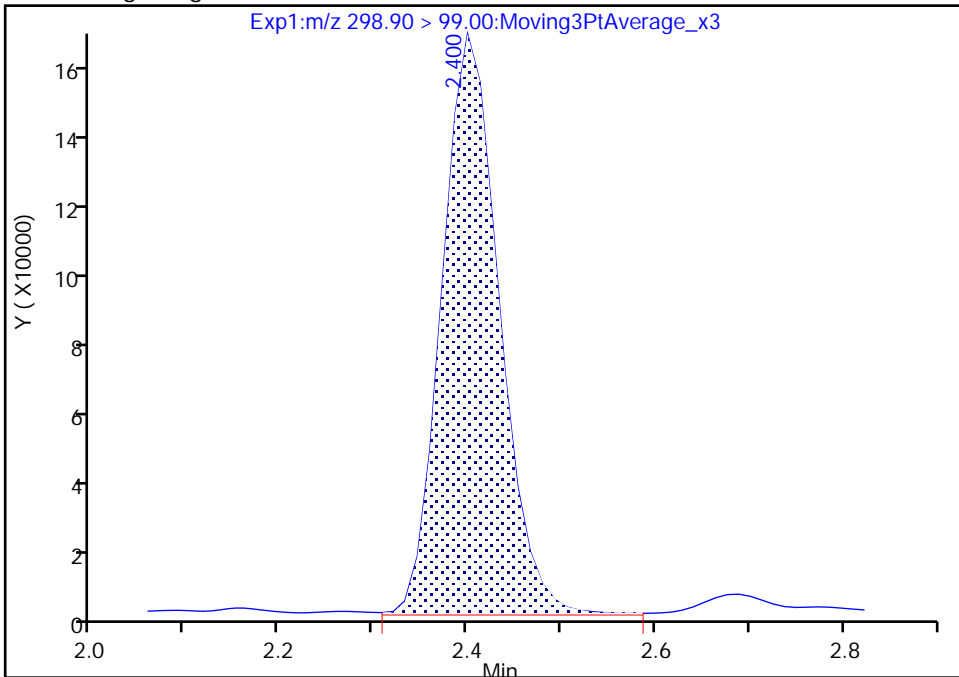
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

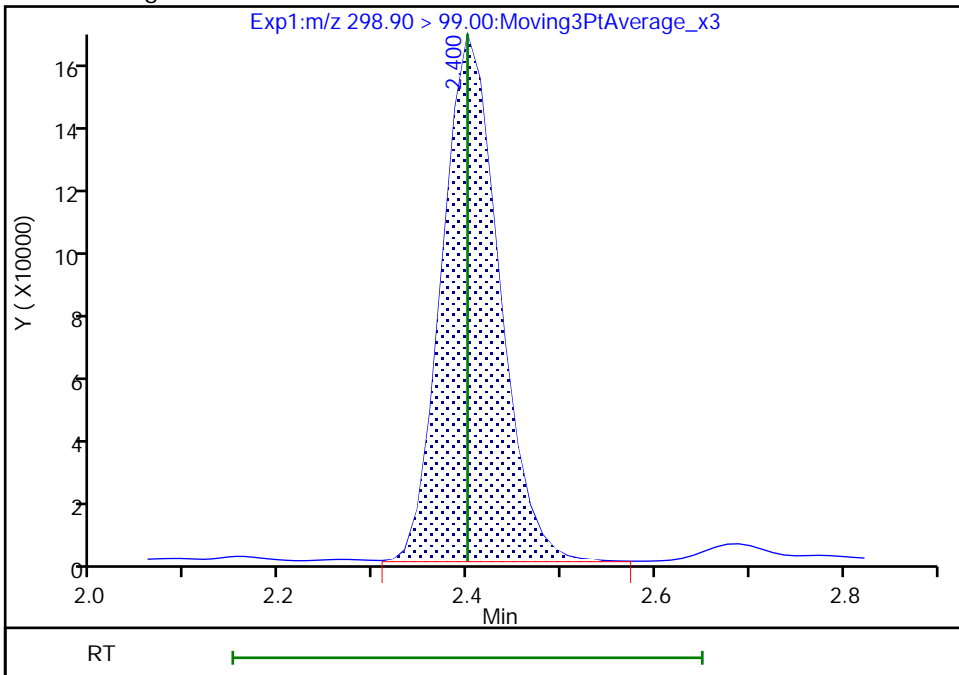
RT: 2.40
Area: 703861
Amount: 0.865008
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 690058
Amount: 0.849081
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Dec-2022 12:58:06

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 851 of 939

Eurofins Burlington

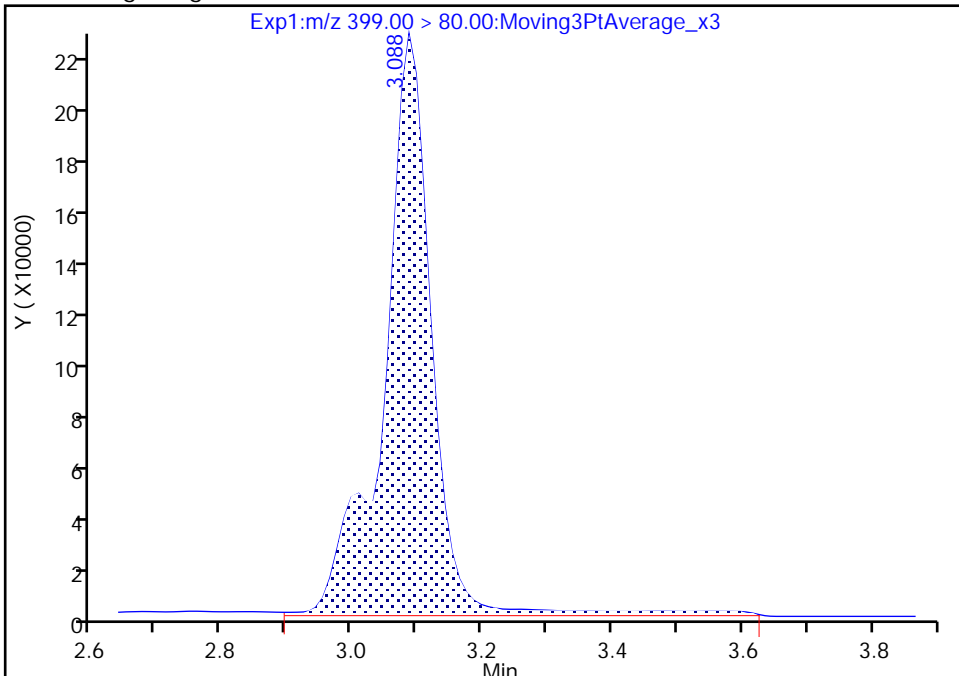
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

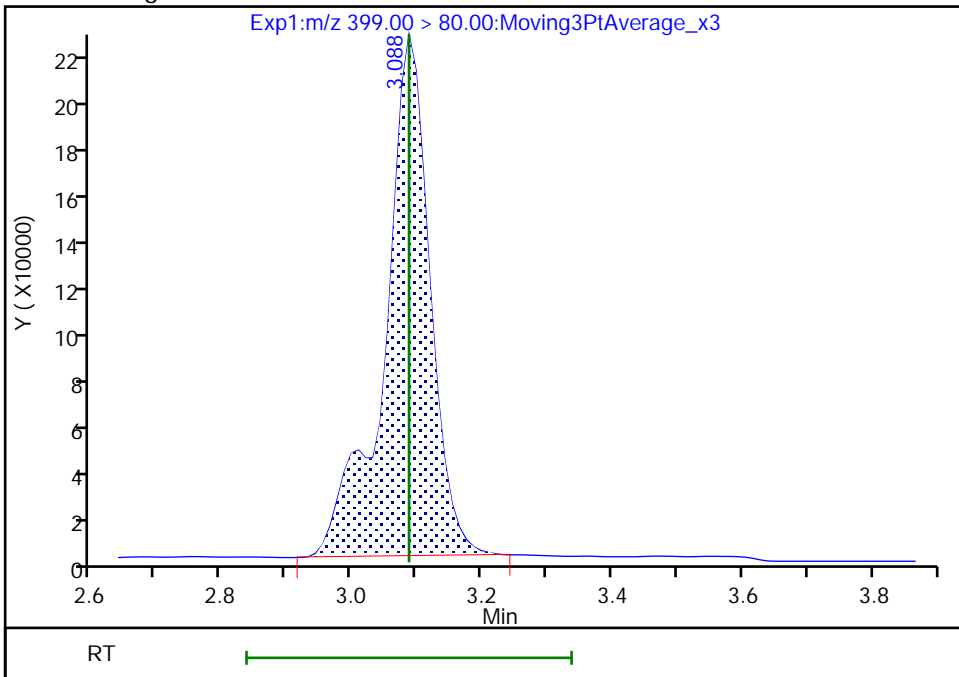
RT: 3.09
Area: 1166126
Amount: 0.948866
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 1092686
Amount: 0.889109
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:58:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 852 of 939

Eurofins Burlington

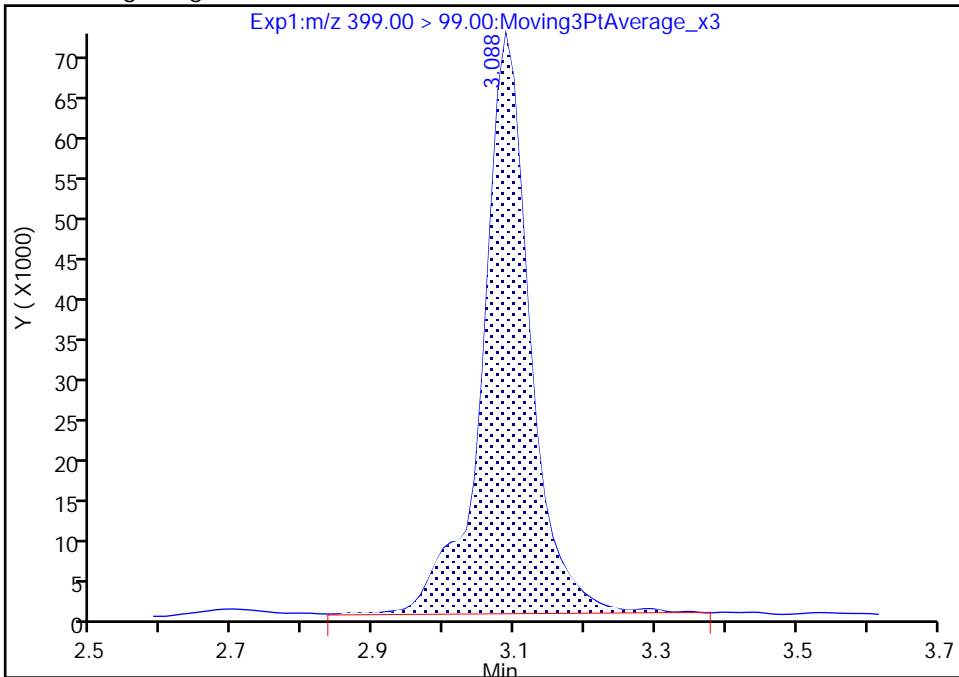
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

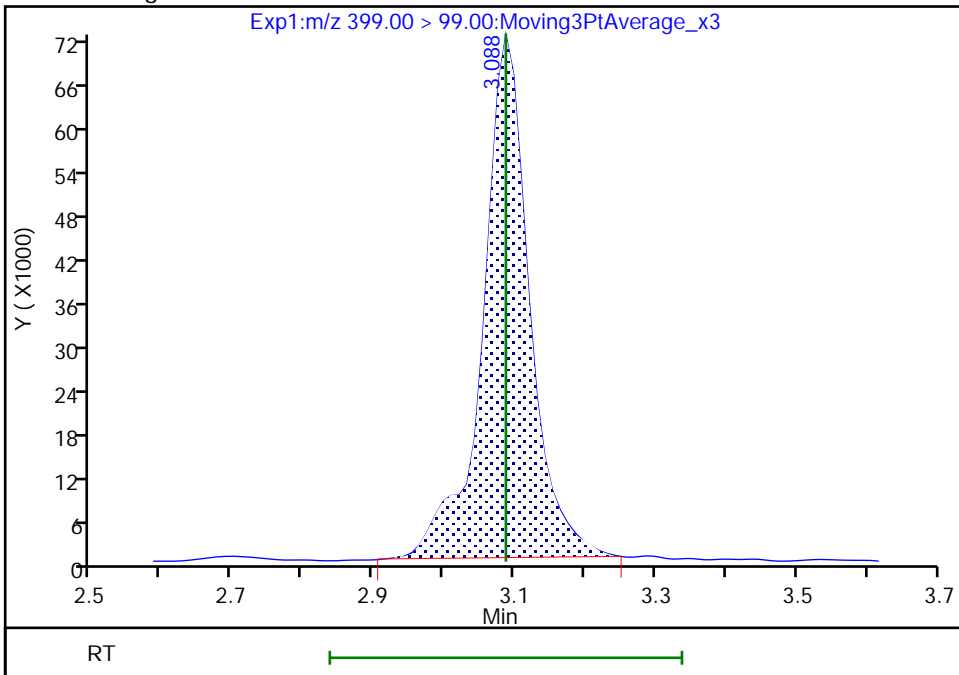
RT: 3.09
Area: 345157
Amount: 0.948866
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 331673
Amount: 0.889109
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Dec-2022 12:58:50

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 853 of 939

Eurofins Burlington

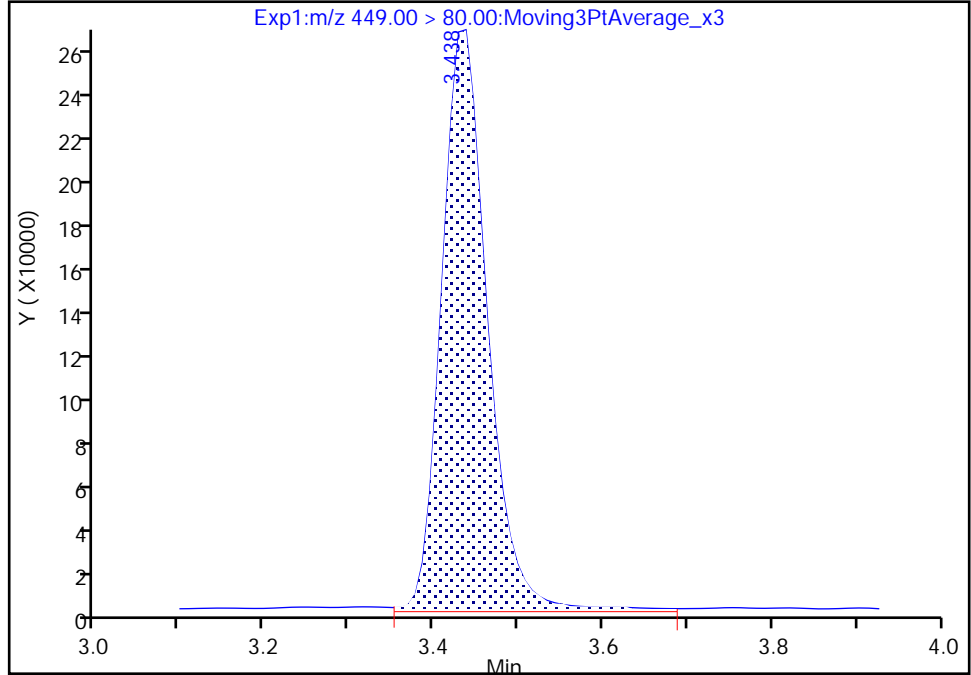
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

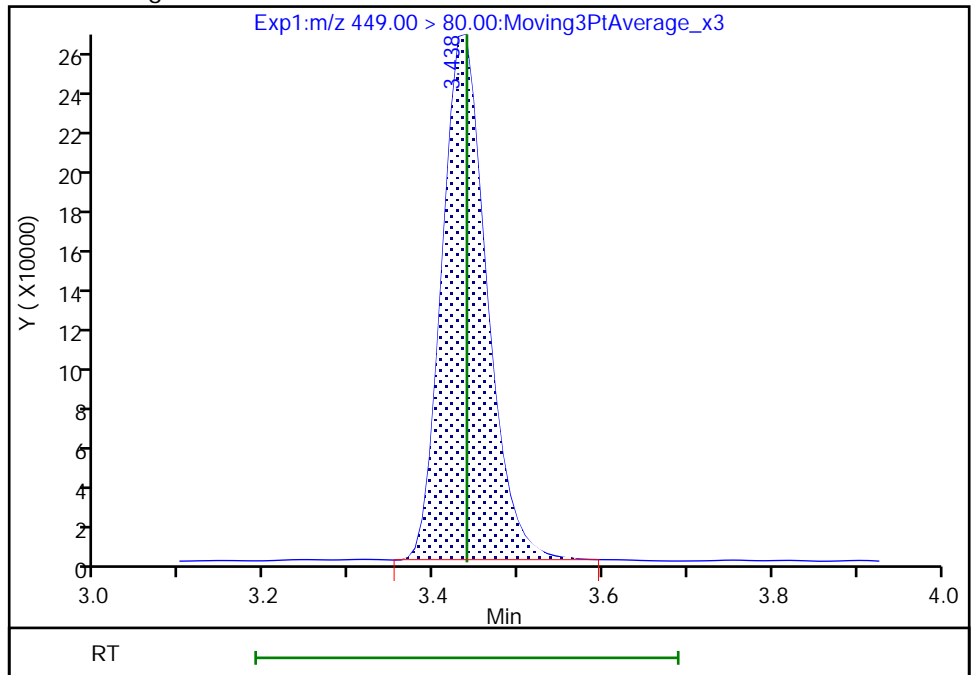
RT: 3.44
Area: 1007225
Amount: 1.003587
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 962707
Amount: 0.959230
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:59:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

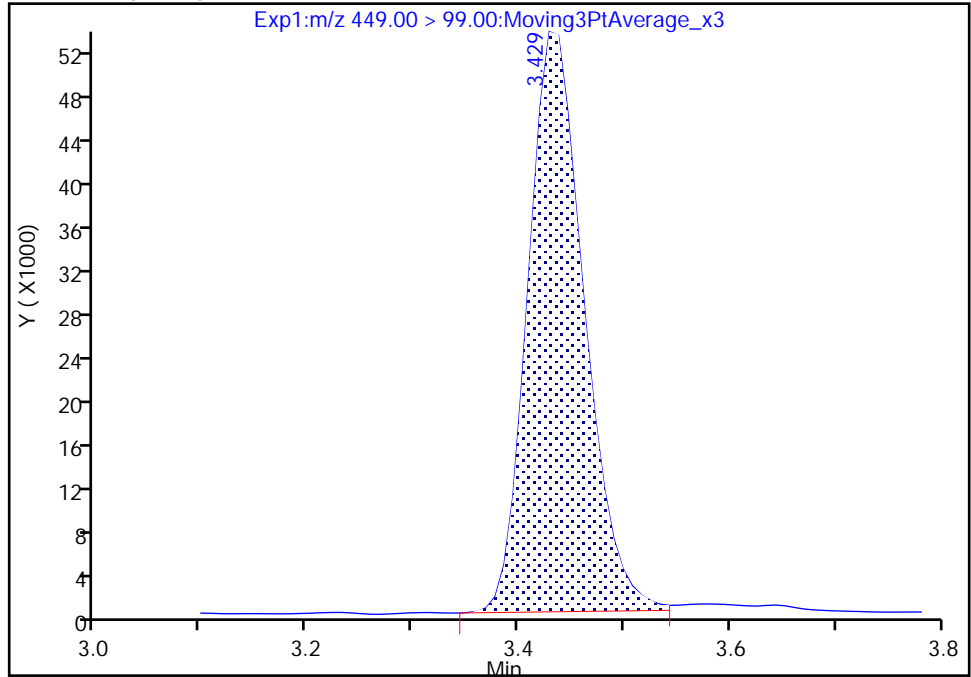
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

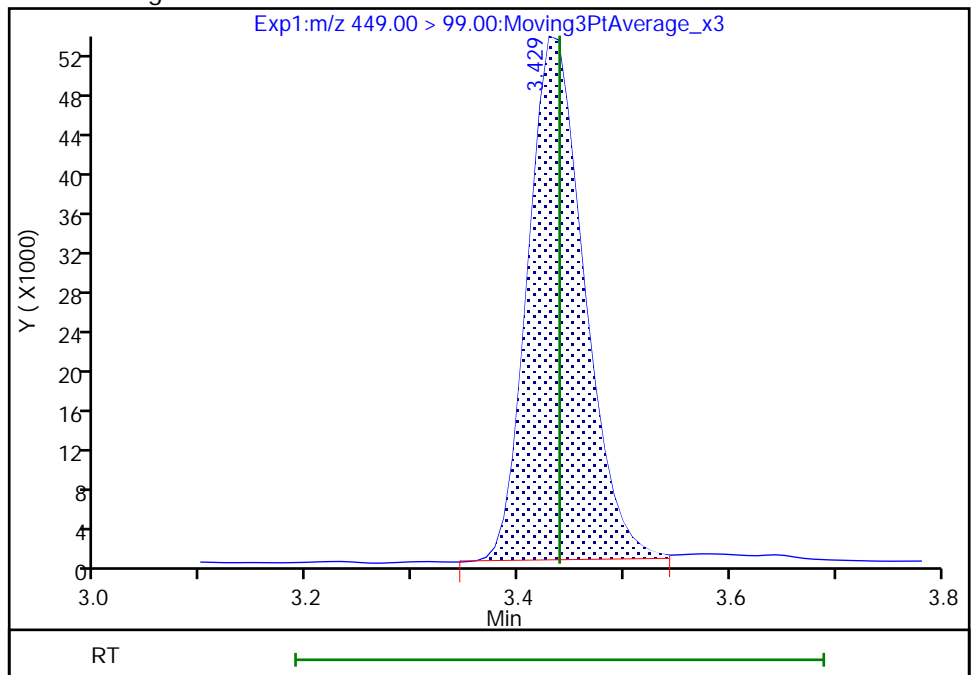
RT: 3.43
Area: 195294
Amount: 1.003587
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 193745
Amount: 0.959230
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Dec-2022 12:59:25

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

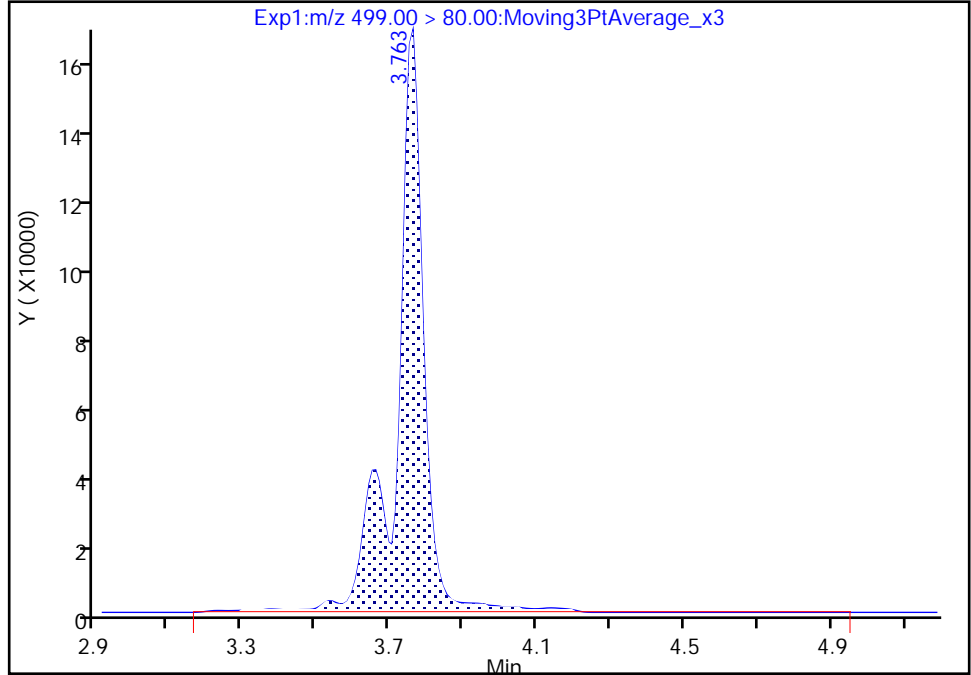
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

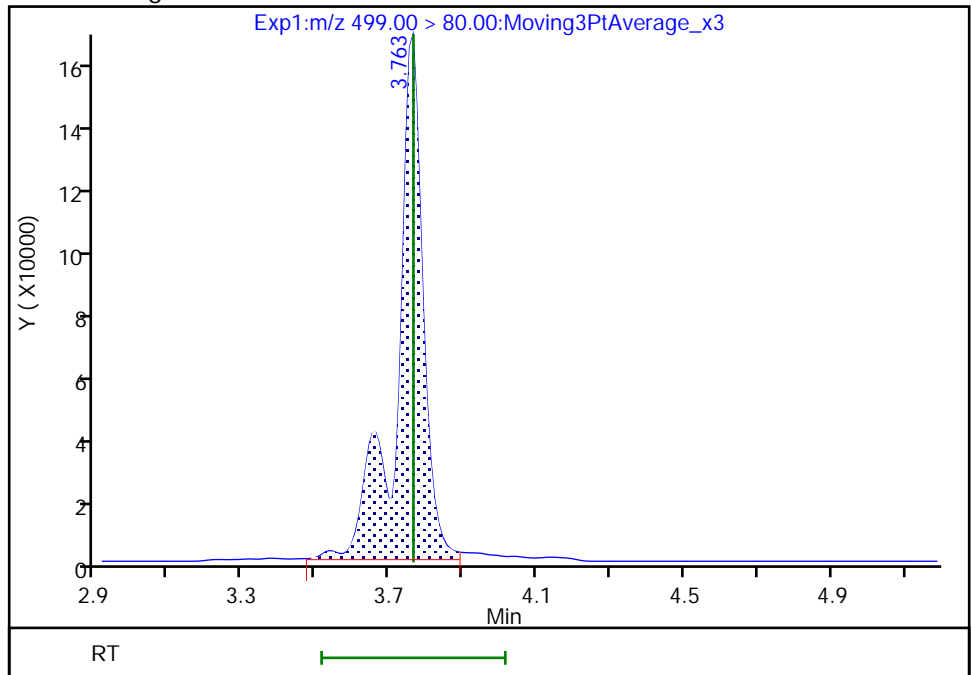
RT: 3.76
Area: 878054
Amount: 1.004790
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 816659
Amount: 0.934533
Amount Units: ng/ml

Manual Integration Results



Reviewer: SJ4N, 05-Dec-2022 11:32:39
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

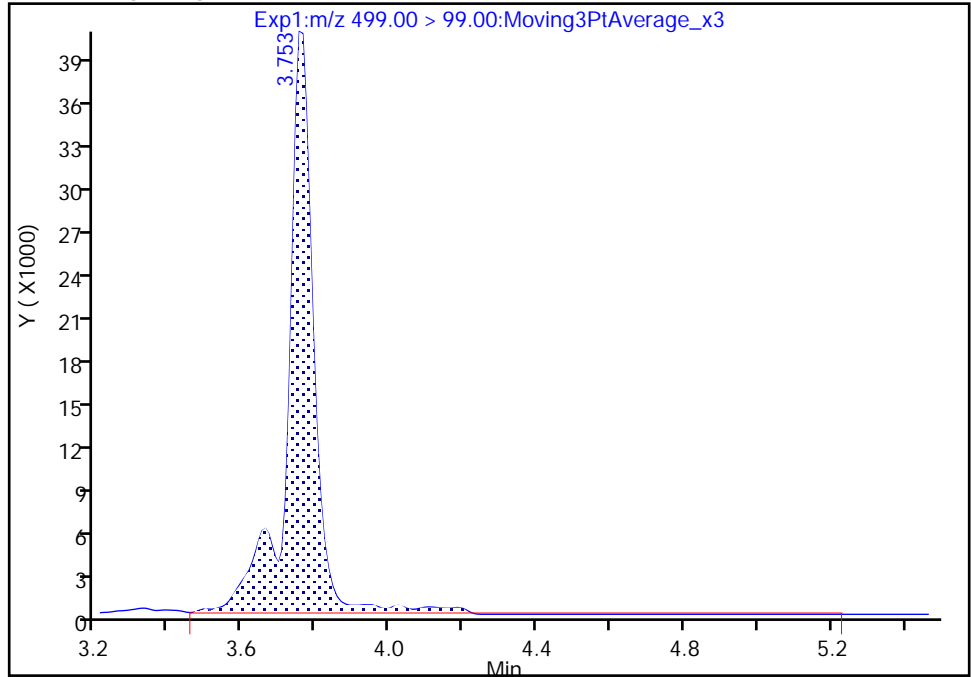
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

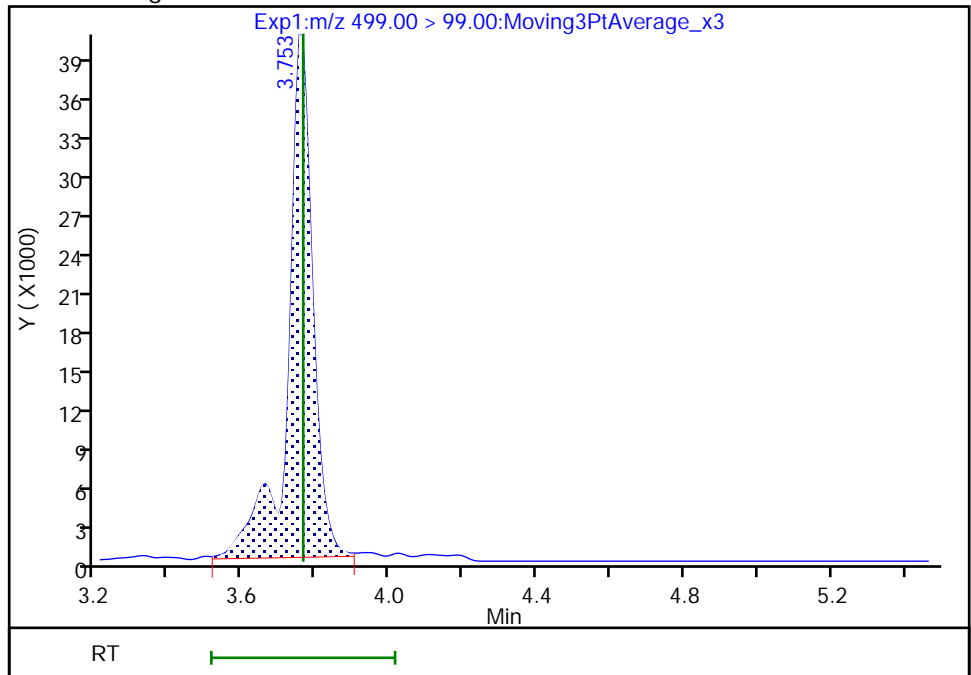
RT: 3.75
Area: 209699
Amount: 1.004790
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 194229
Amount: 0.934533
Amount Units: ng/ml

Manual Integration Results



Reviewer: SJ4N, 05-Dec-2022 11:32:44

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

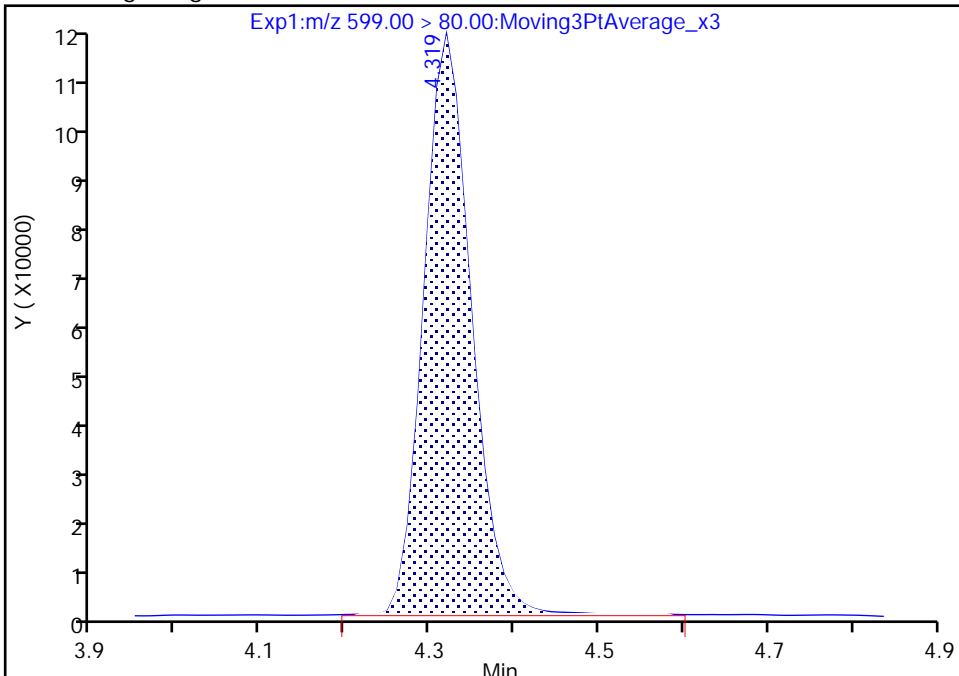
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

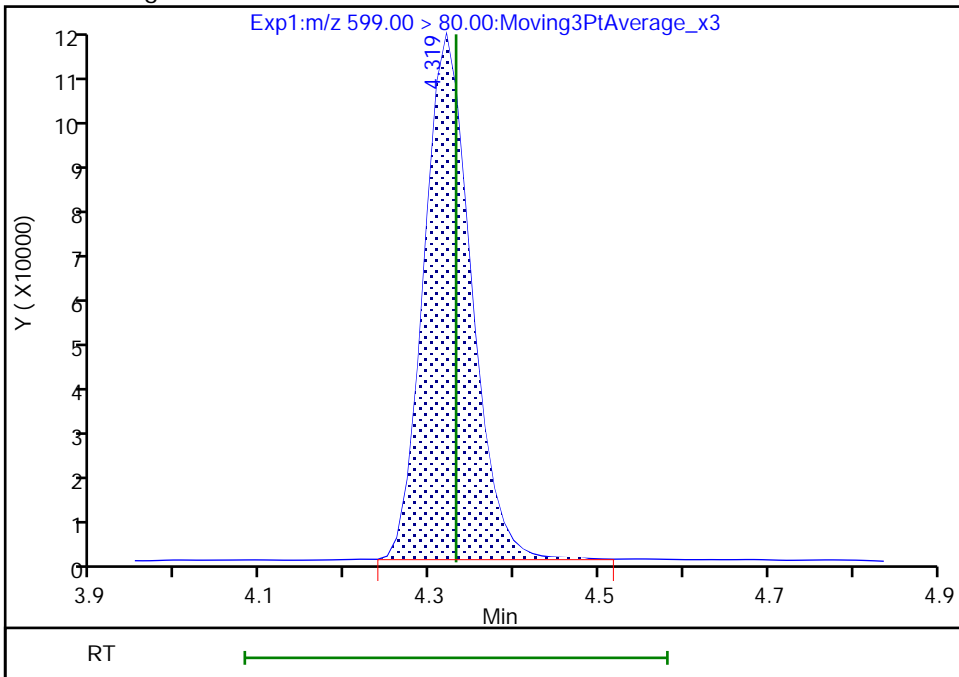
RT: 4.32
Area: 459656
Amount: 0.882615
Amount Units: ng/ml

Processing Integration Results



RT: 4.32
Area: 457396
Amount: 0.878275
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:00:55
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

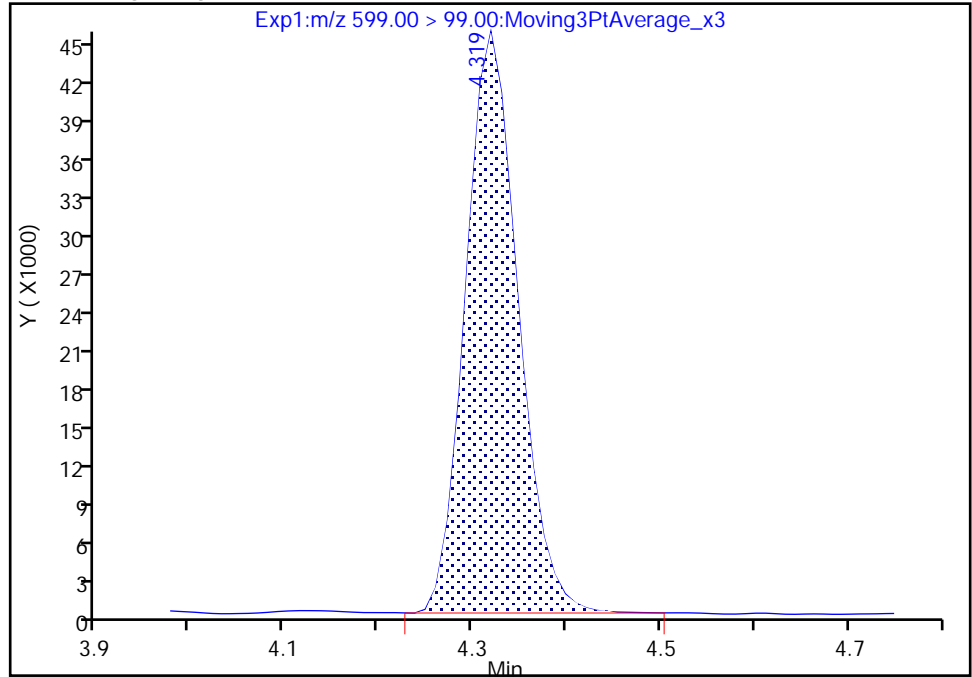
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

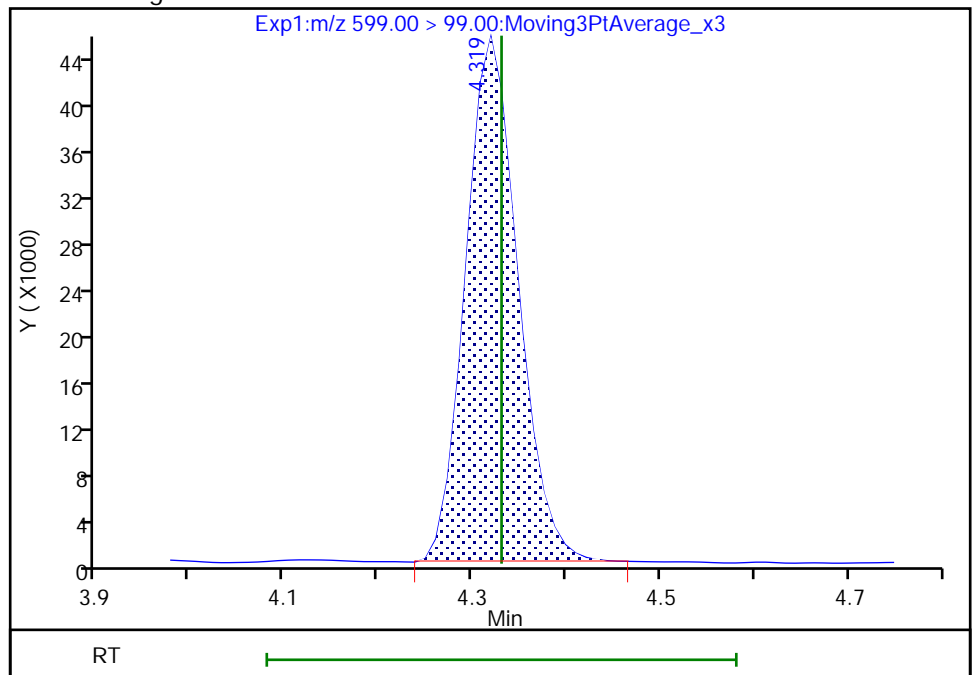
RT: 4.32
Area: 174742
Amount: 0.882615
Amount Units: ng/ml

Processing Integration Results



RT: 4.32
Area: 173891
Amount: 0.878275
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:00:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 859 of 939

Eurofins Burlington

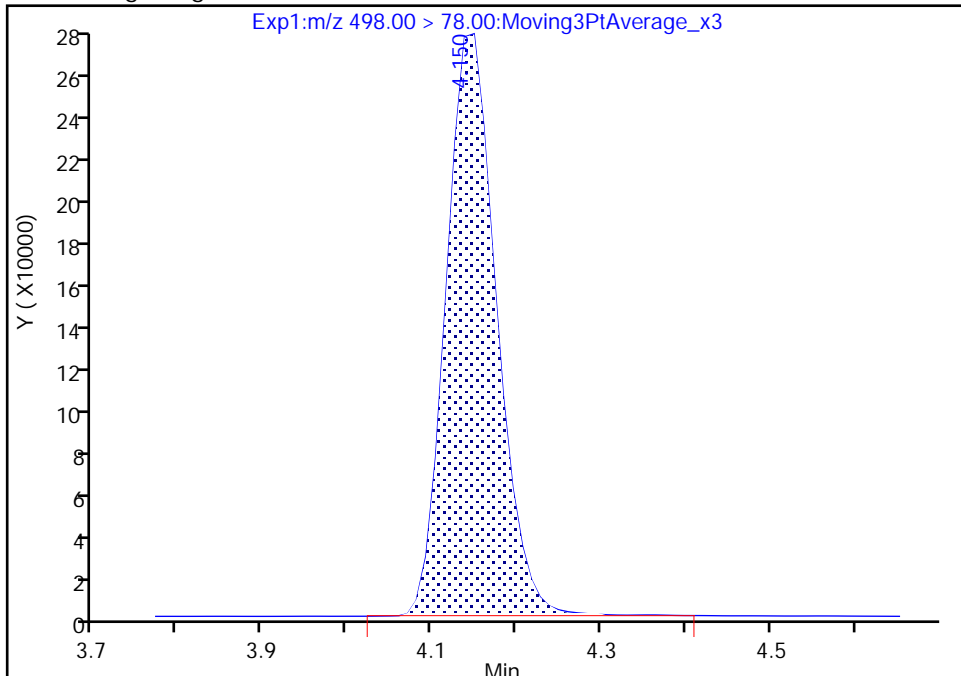
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

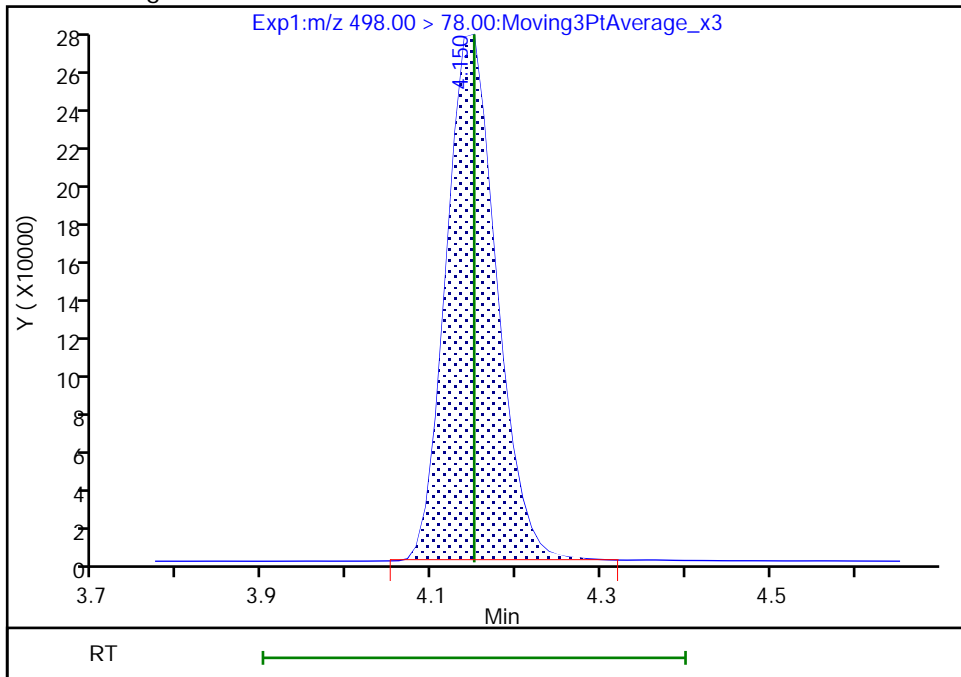
RT: 4.15
Area: 1157576
Amount: 0.967367
Amount Units: ng/ml

Processing Integration Results



RT: 4.15
Area: 1153104
Amount: 0.963630
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:00:42
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 860 of 939

Eurofins Burlington

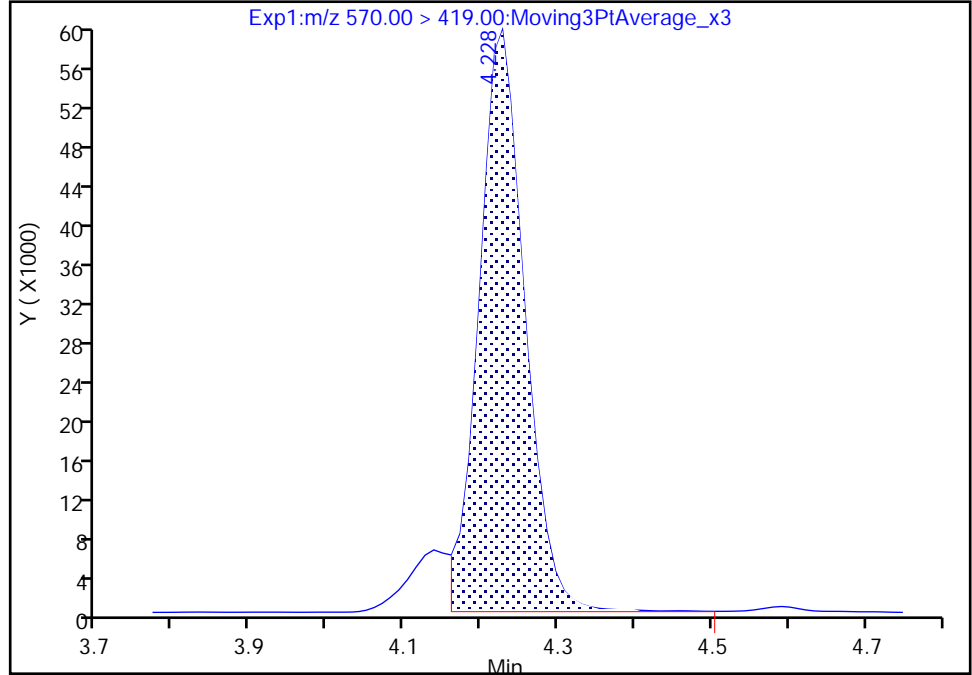
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

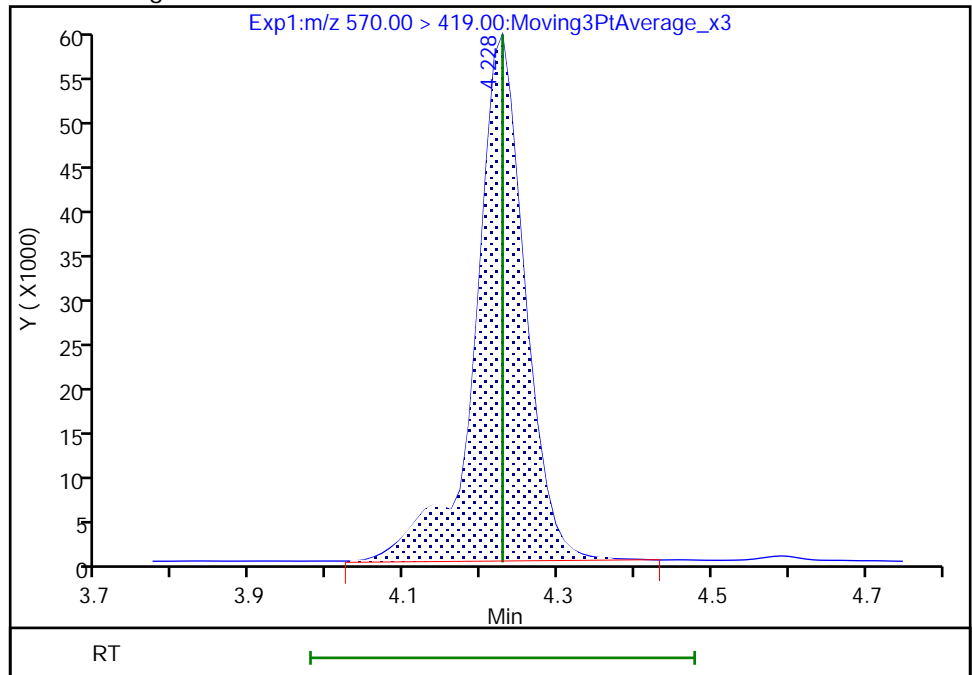
RT: 4.23
Area: 243890
Amount: 0.921665
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 265680
Amount: 1.005049
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:00:48
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

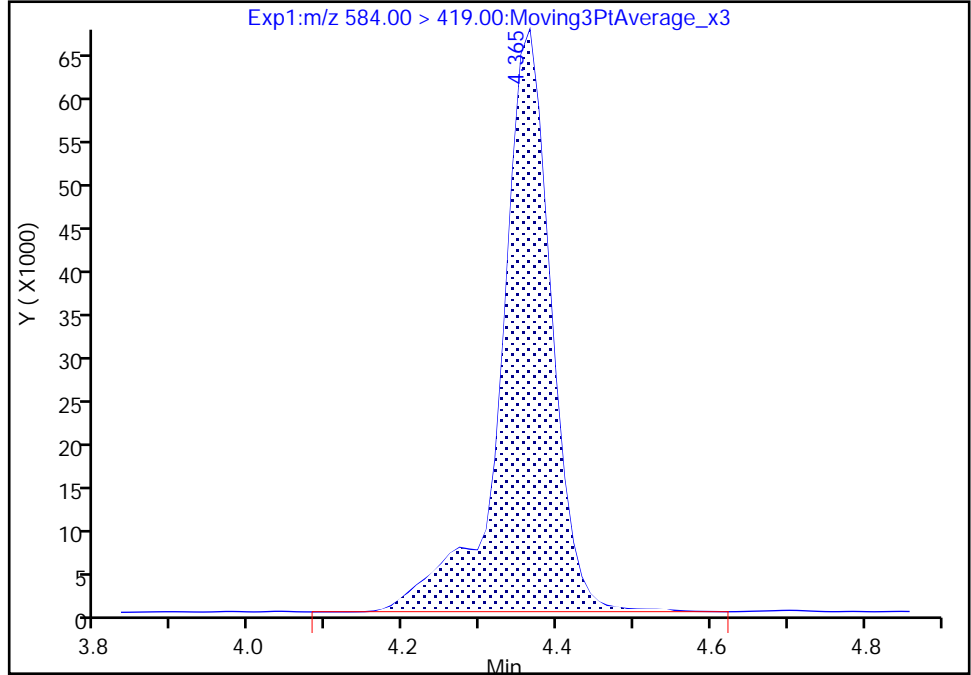
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

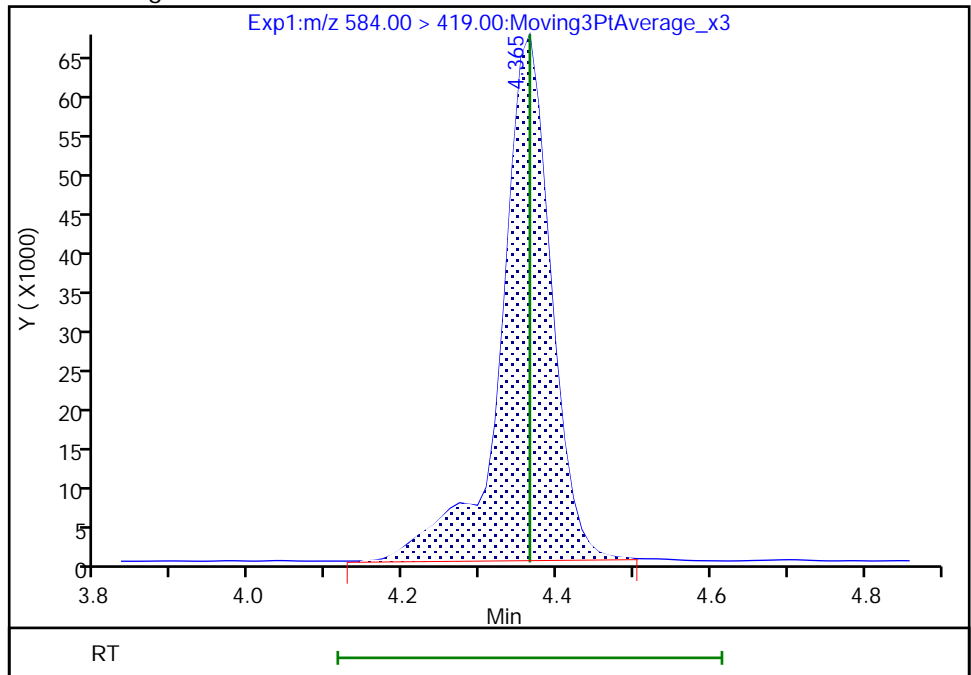
RT: 4.36
Area: 313719
Amount: 0.991930
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 310197
Amount: 0.980794
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:01:07
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

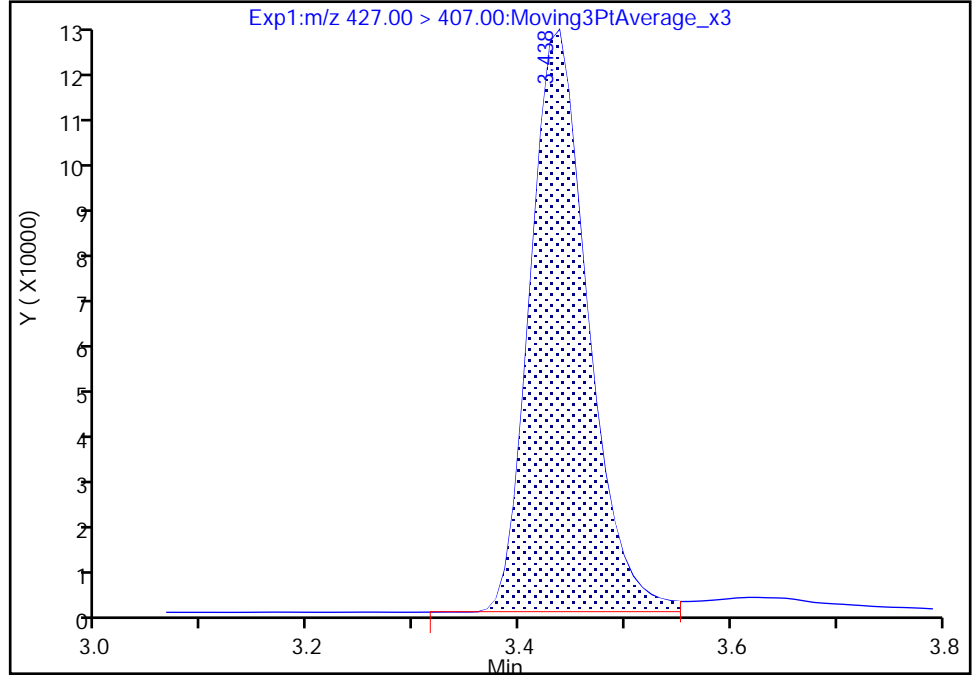
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

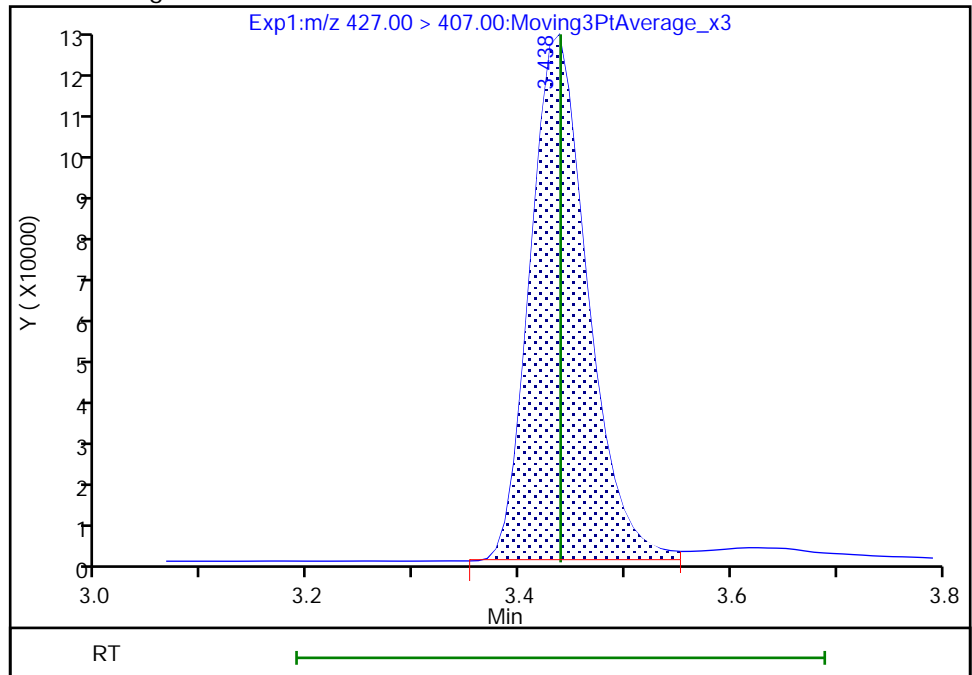
RT: 3.44
Area: 475976
Amount: 1.015981
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 475580
Amount: 1.015126
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:59:10
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

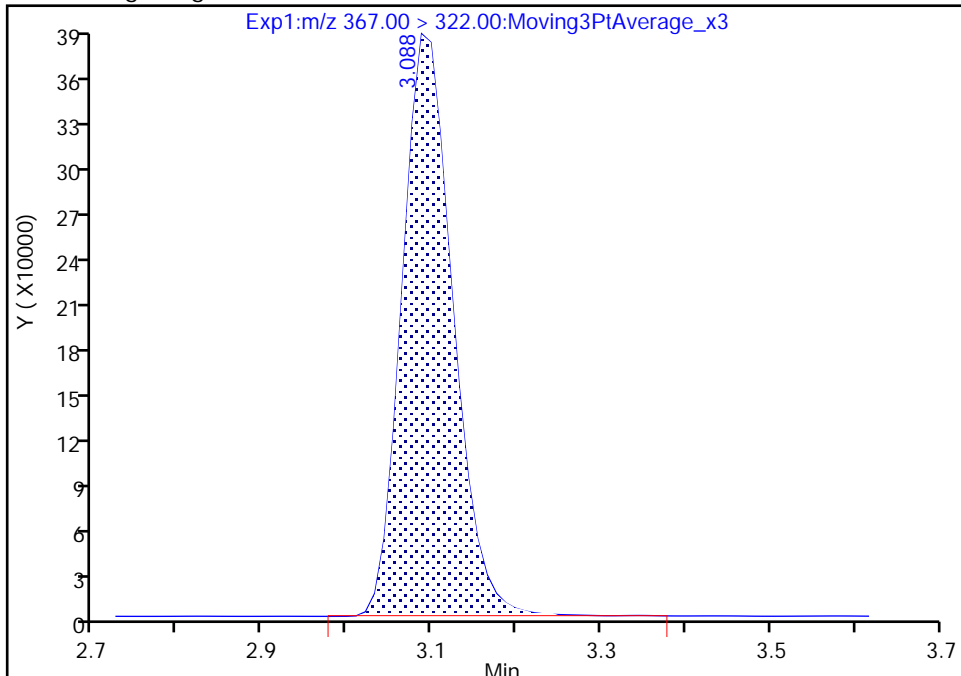
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 9 13C4 PFHpA, CAS: STL01892

Signal: 1

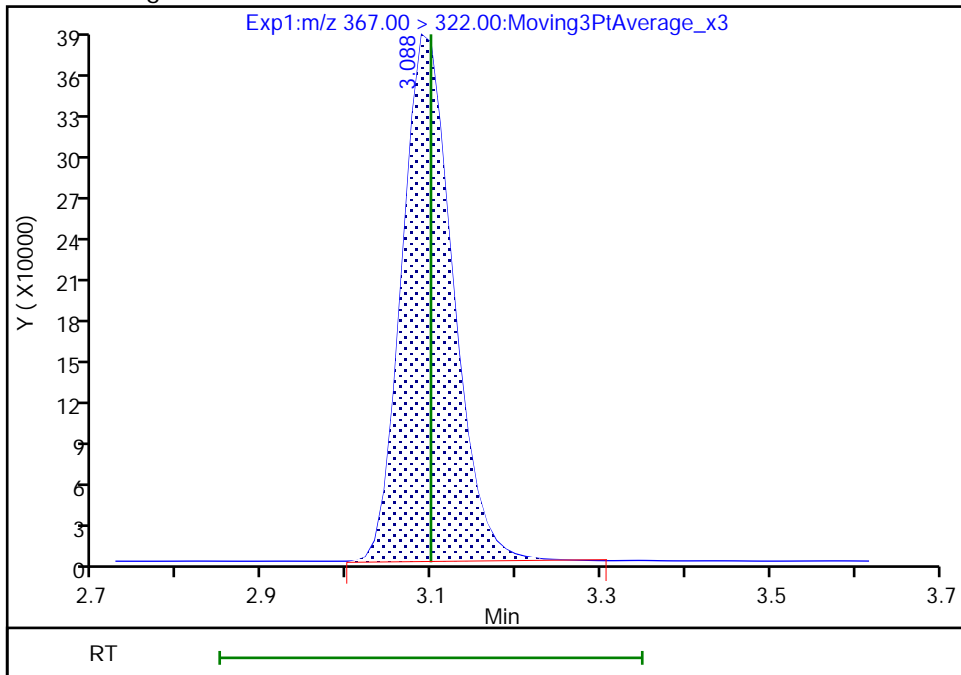
RT: 3.09
Area: 1617435
Amount: 0.915950
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 1614800
Amount: 0.914457
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:57:03
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

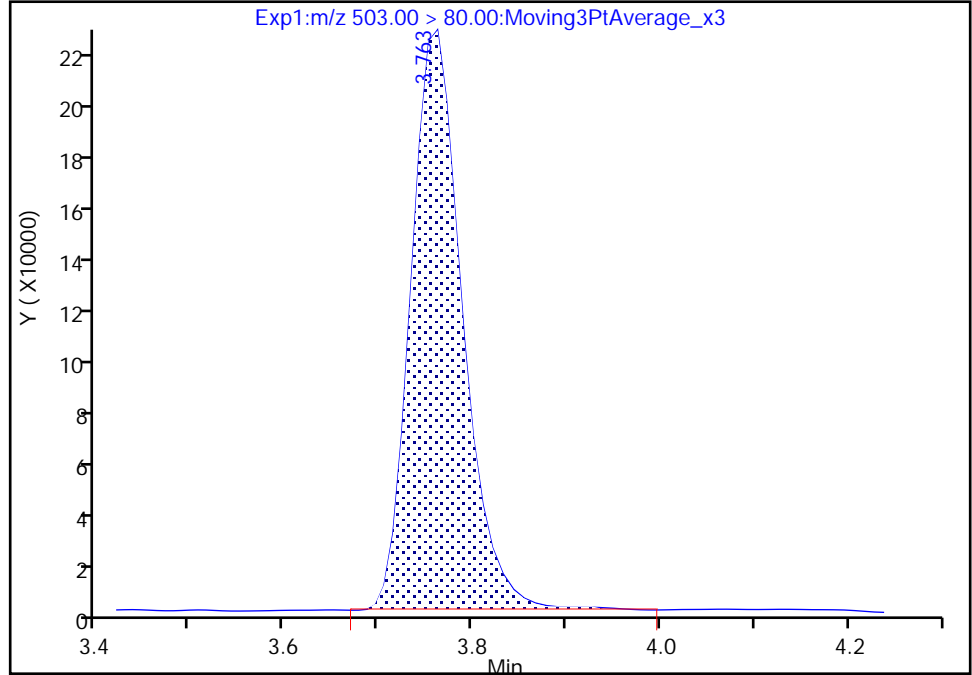
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection 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

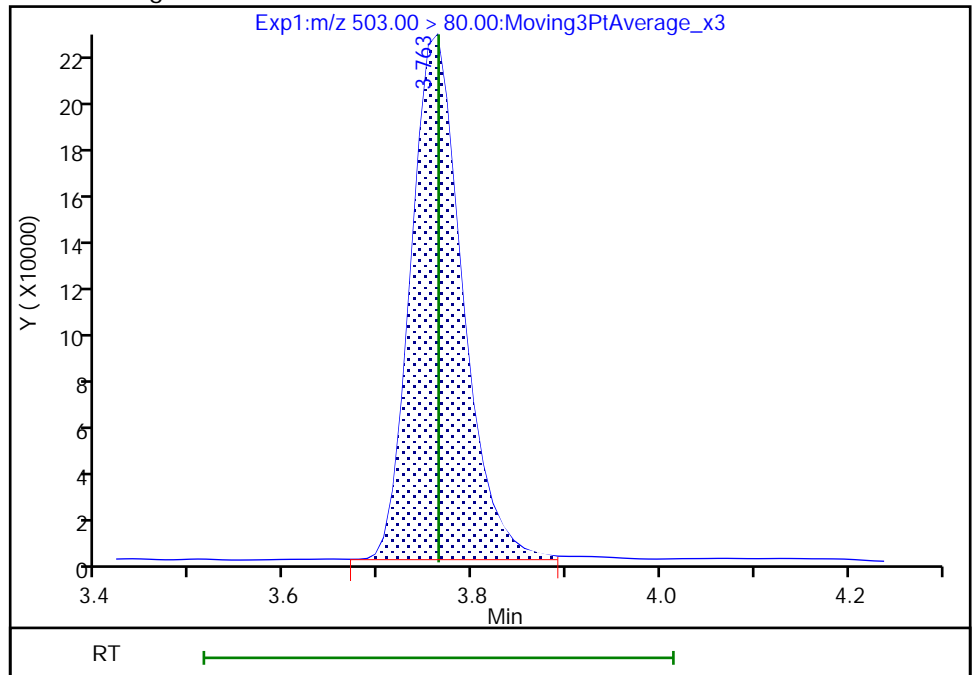
RT: 3.76
Area: 863156
Amount: 0.980828
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 858678
Amount: 0.975739
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:57:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

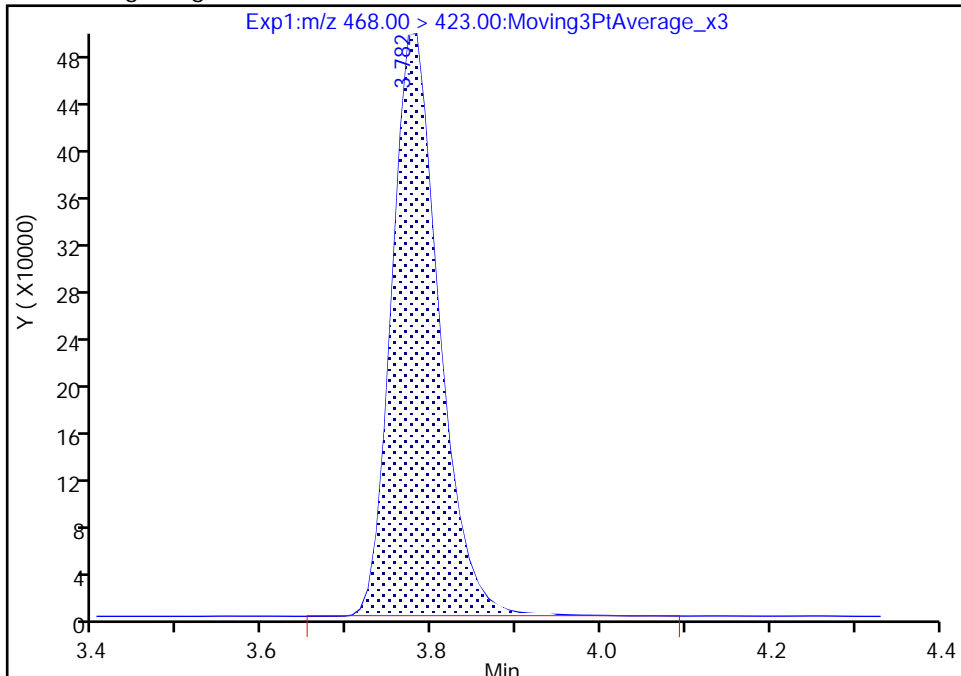
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

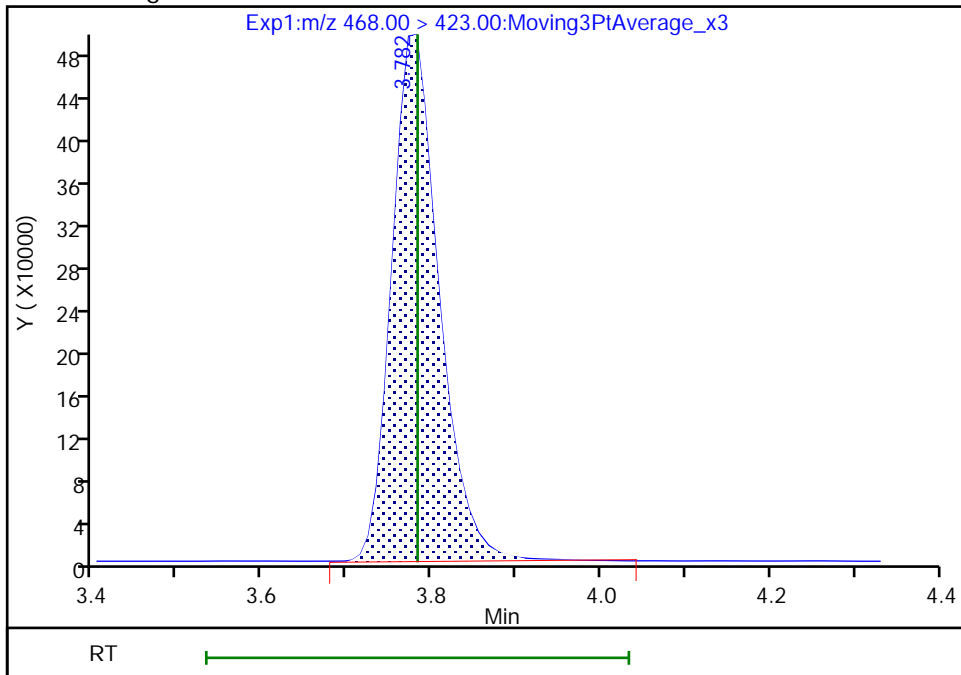
RT: 3.78
Area: 1933813
Amount: 1.002315
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 1930370
Amount: 1.000531
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:57:18
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

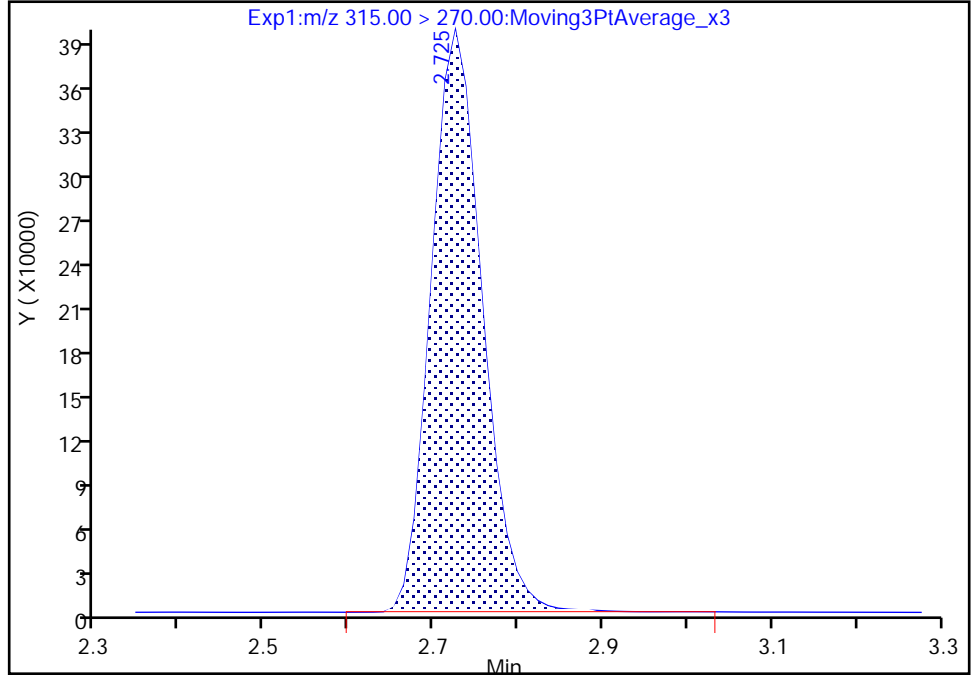
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection 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

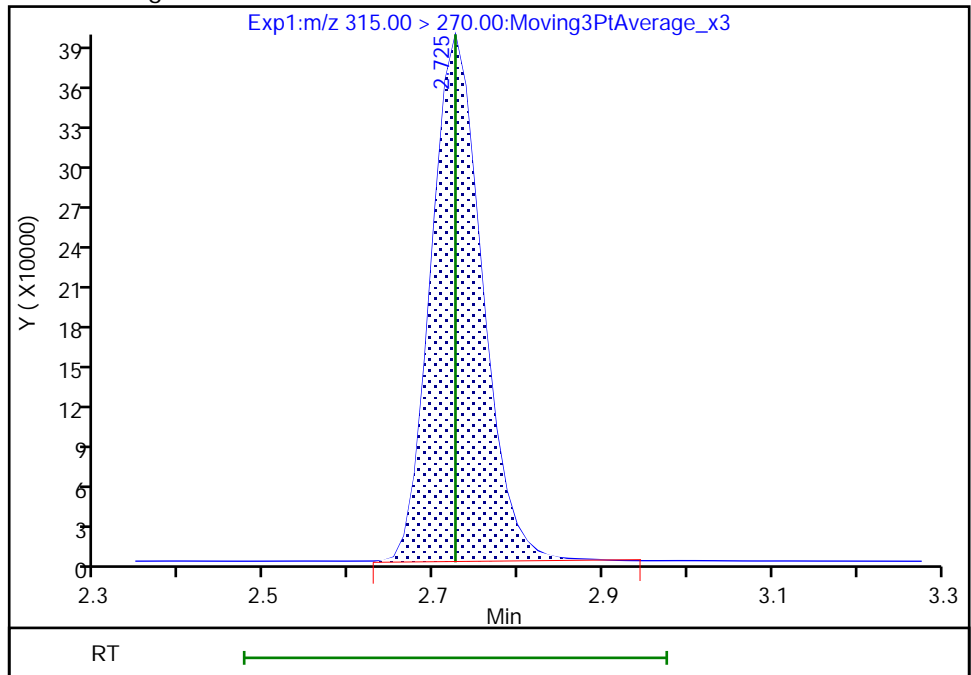
RT: 2.73
Area: 1668638
Amount: 0.971852
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 1666512
Amount: 0.970614
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:56:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 867 of 939

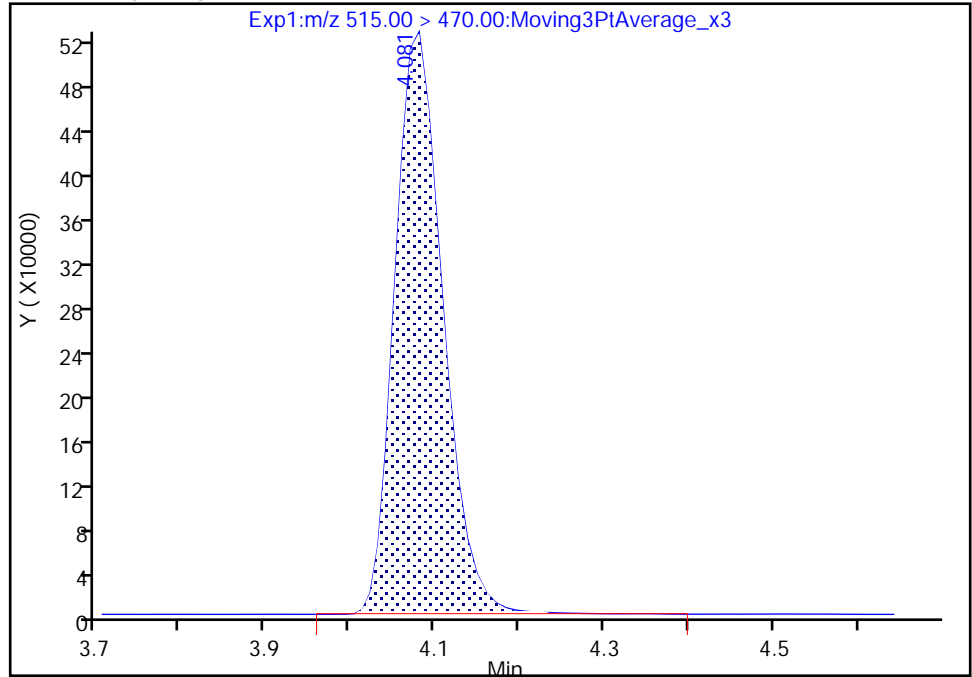
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection 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

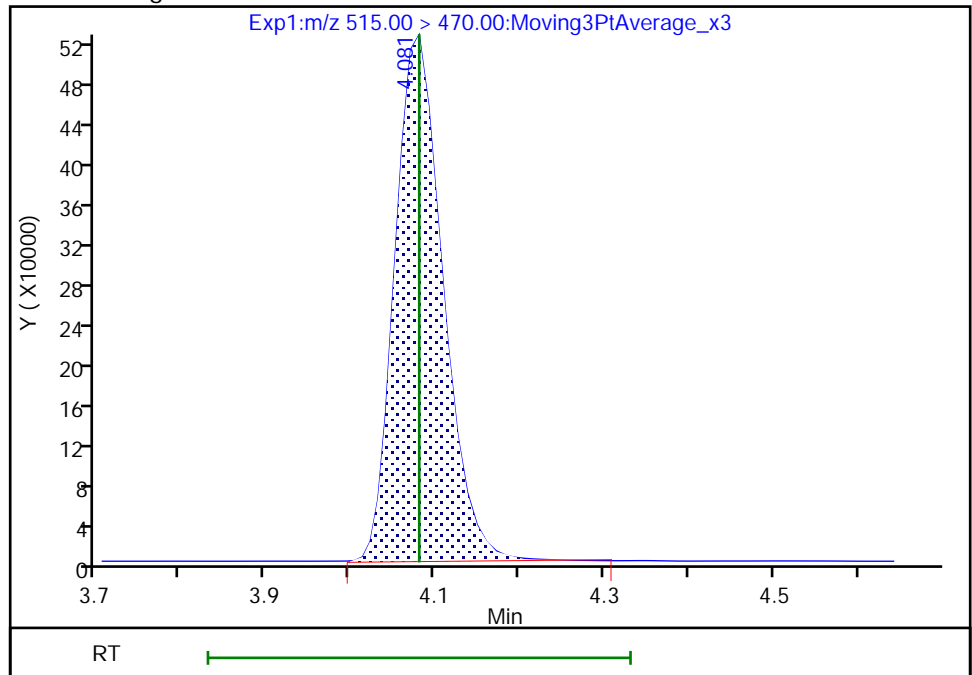
RT: 4.08
Area: 2068201
Amount: 1.051956
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 2060937
Amount: 1.048261
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:57:23
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

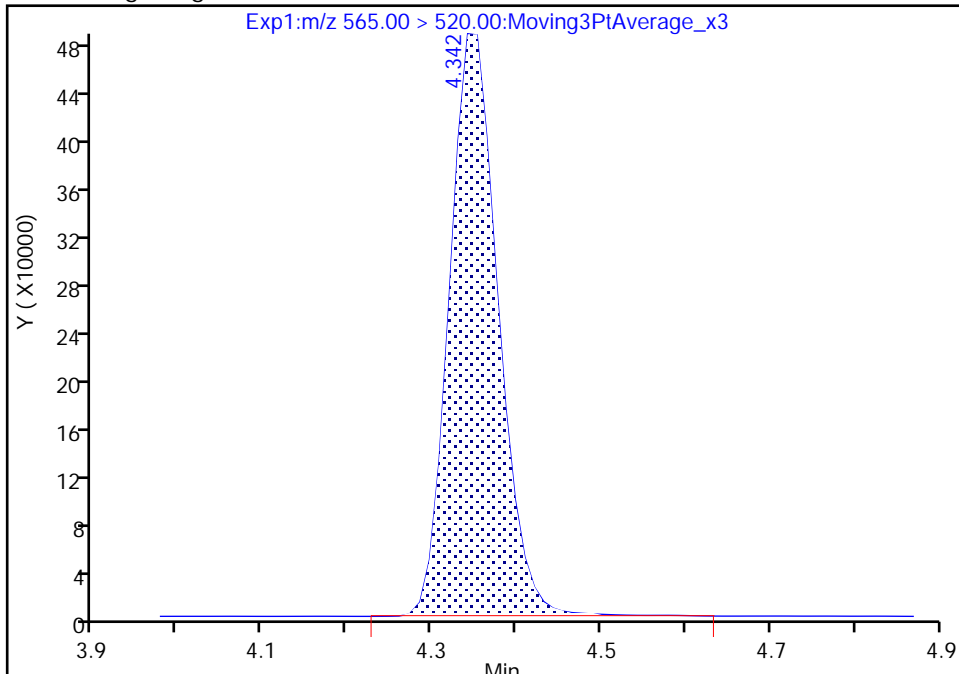
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

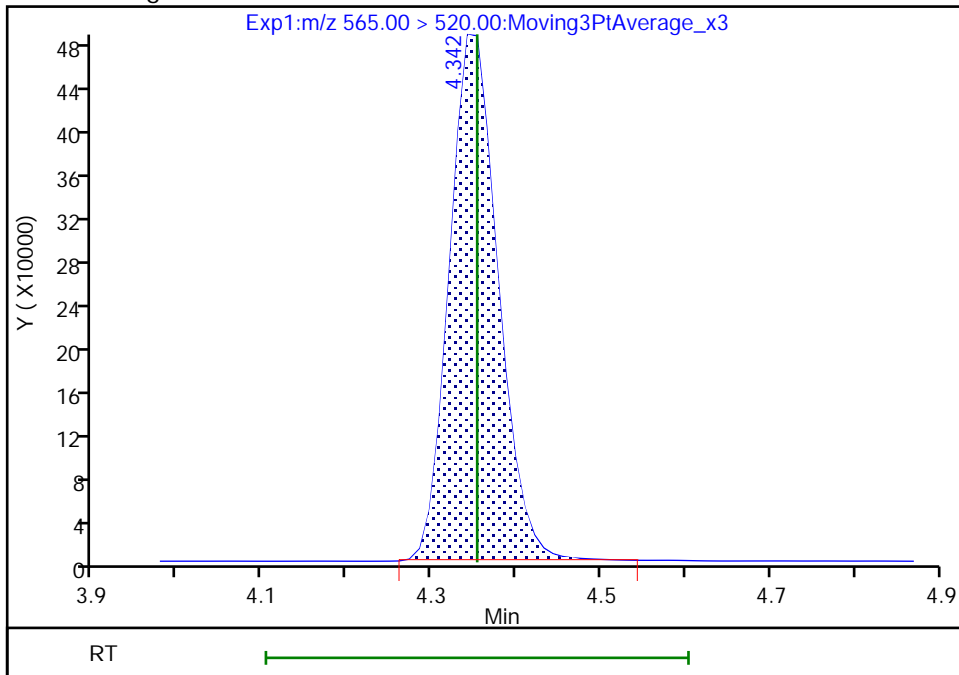
RT: 4.34
Area: 1970749
Amount: 1.094671
Amount Units: ng/ml

Processing Integration Results



RT: 4.34
Area: 1960271
Amount: 1.088851
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:57:36
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

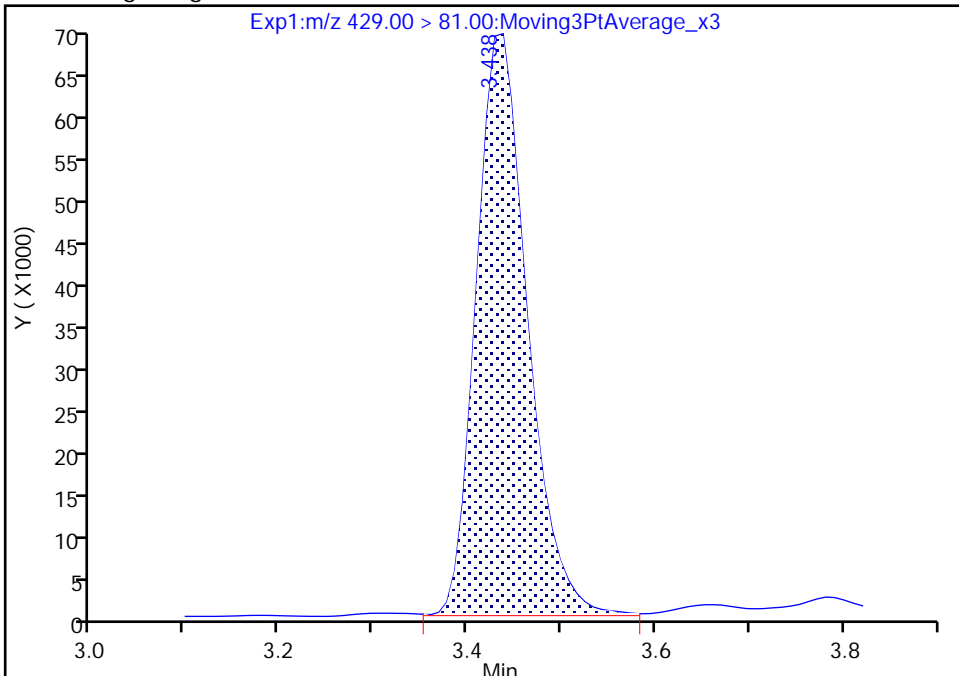
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

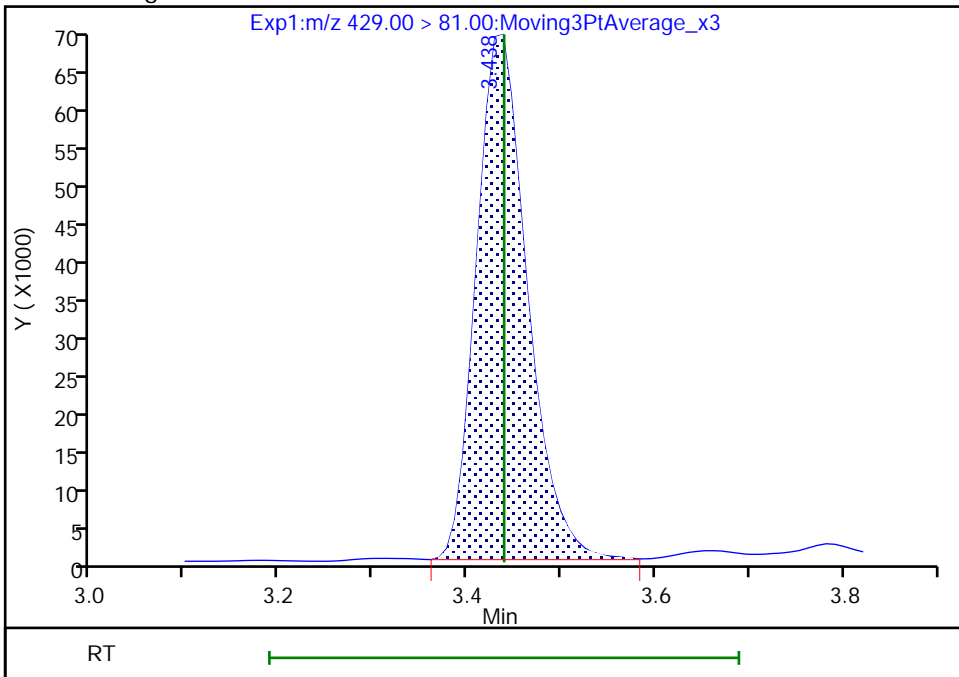
RT: 3.44
Area: 263604
Amount: 1.212031
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 260314
Amount: 1.196903
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:56:58
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 870 of 939

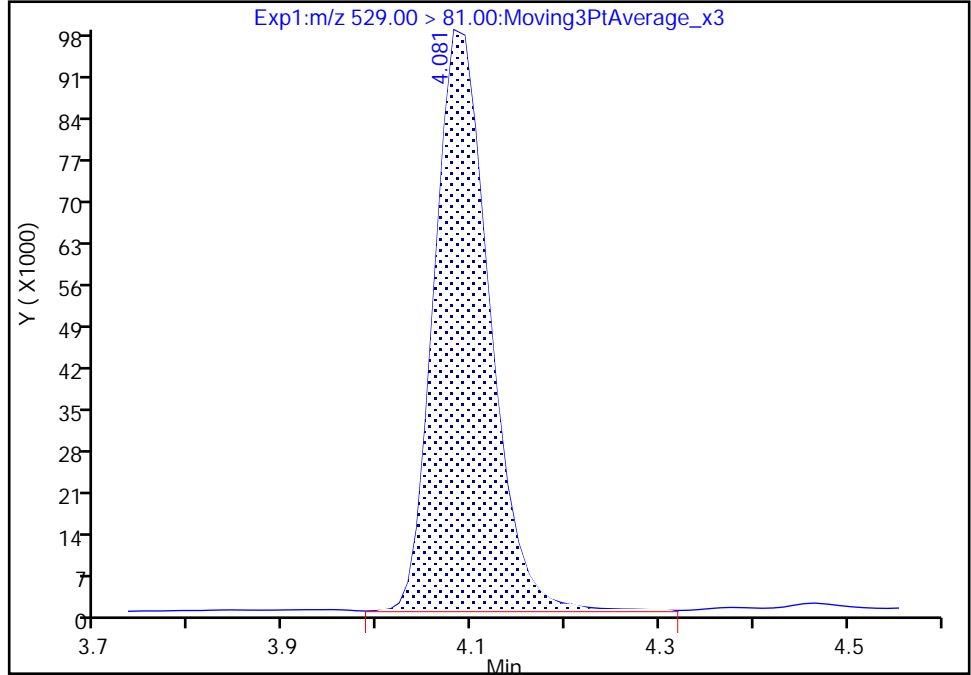
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection 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

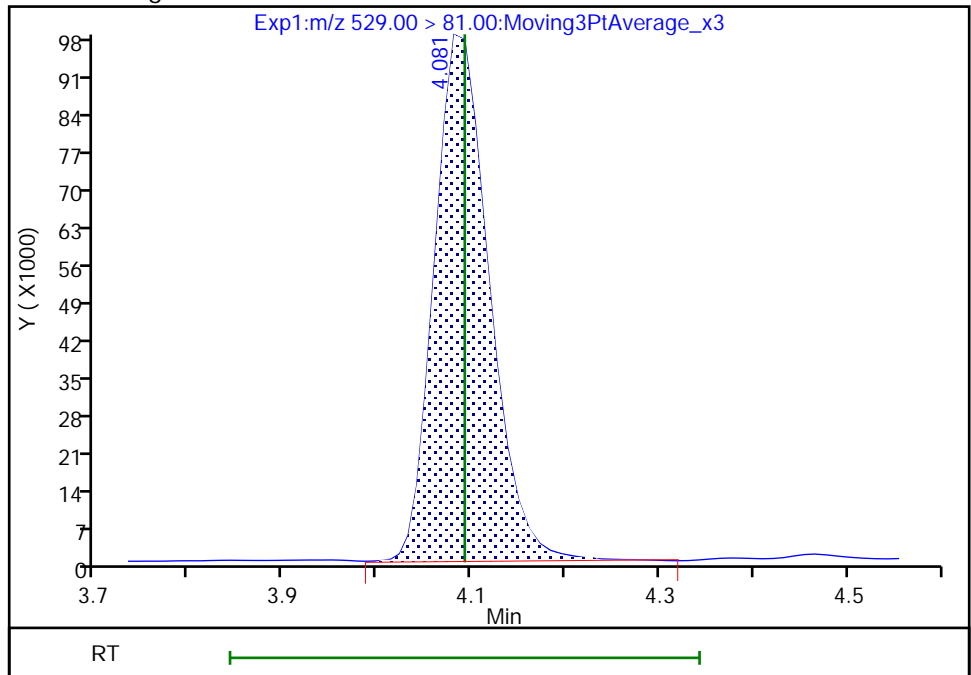
RT: 4.08
Area: 401179
Amount: 1.508099
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 397967
Amount: 1.496024
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 12:57:28
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 871 of 939

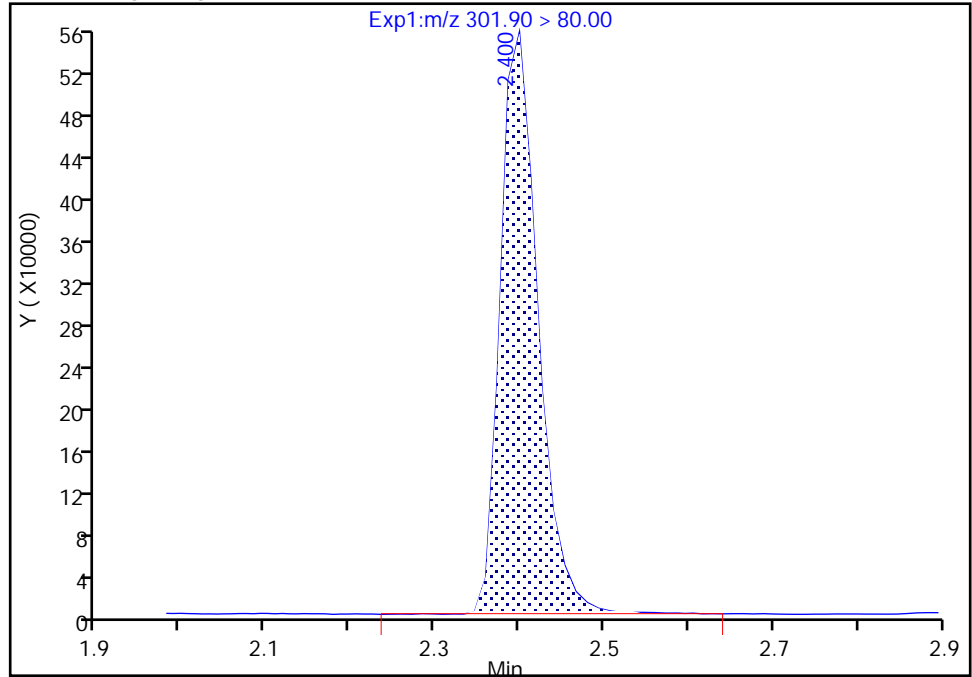
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A18.d
Injection Date: 02-Dec-2022 14:27:45 Instrument ID: LC812
Lims ID: 460-270167-A-2-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 18
Injection 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

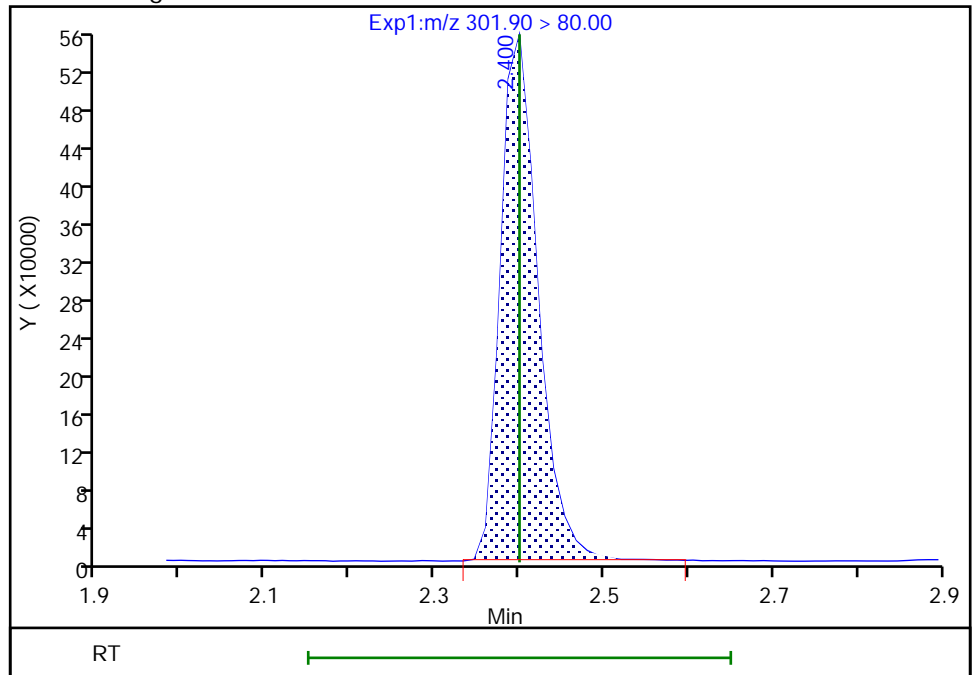
Processing Integration Results

RT: 2.40
Area: 1731874
Amount: 0.972768
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 1724929
Amount: 0.968867
Amount Units: ng/ml



Reviewer: nampitakw, 05-Dec-2022 12:56:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 872 of 939

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-270065-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: 460-270167-A-2-C MSD
 Matrix: Solid Lab File ID: PA221202A19.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: SHAKE Date Extracted: 12/01/2022 09:15
 Sample wt/vol: 5.07(g) Date Analyzed: 12/02/2022 14:35
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: 31.1 % Solids: 68.9 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186301 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	2.861		0.72	0.47
2706-90-3	Perfluoropentanoic acid (PFPeA)	2.929		0.29	0.079
307-24-4	Perfluorohexanoic acid (PFHxA)	2.783		0.29	0.066
375-85-9	Perfluoroheptanoic acid (PFHpA)	2.739		0.29	0.056
335-67-1	Perfluorooctanoic acid (PFOA)	3.136		0.29	0.083
375-95-1	Perfluorononanoic acid (PFNA)	2.890		0.29	0.049
335-76-2	Perfluorodecanoic acid (PFDA)	2.962		0.29	0.040
2058-94-8	Perfluoroundecanoic acid (PFUnA)	2.894		0.29	0.039
307-55-1	Perfluorododecanoic acid (PFDoA)	2.857		0.29	0.036
72629-94-8	Perfluorotridecanoic acid (PFTriA)	2.491		0.29	0.036
376-06-7	Perfluorotetradecanoic acid (PFTeA)	2.872		0.29	0.037
375-73-5	Perfluorobutanesulfonic acid (PFBS)	2.438		0.29	0.047
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	2.585		0.29	0.059
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	2.870		0.29	0.033
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	2.730		0.29	0.16
335-77-3	Perfluorodecanesulfonic acid (PFDS)	2.725		0.29	0.027
754-91-6	Perfluorooctanesulfonamide (FOSA)	2.865		0.29	0.049
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	3.119		2.86	0.16
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.778	J	2.86	0.12
27619-97-2	6:2 FTS	2.879		2.86	0.082
39108-34-4	8:2 FTS	2.819	J	2.86	0.053

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-270065-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: 460-270167-A-2-C MSD
 Matrix: Solid Lab File ID: PA221202A19.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: SHAKE Date Extracted: 12/01/2022 09:15
 Sample wt/vol: 5.07(g) Date Analyzed: 12/02/2022 14:35
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: 31.1 % Solids: 68.9 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186301 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	87		50-150
STL01892	13C4 PFHpA	78		50-150
STL00990	13C4 PFOA	79		50-150
STL00991	13C4 PFOS	83		50-150
STL00995	13C5 PFNA	86		50-150
STL00992	13C4 PFBA	83		50-150
STL00993	13C2 PFHxA	82		50-150
STL00996	13C2 PFDA	92		50-150
STL00997	13C2 PFUnA	89		50-150
STL00998	13C2 PFDoA	88		50-150
STL01056	13C8 FOSA	74		50-150
STL01893	13C5 PFPeA	84		50-150
STL02116	13C2 PFTeDA	84		50-150
STL02118	d3-NMeFOSAA	75		50-150
STL02117	d5-NEtFOSAA	95		50-150
STL02279	M2-6:2 FTS	102		50-150
STL02280	M2-8:2 FTS	129		50-150
STL02337	13C3 PFBS	89		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A19.d
 Lims ID: 460-270167-A-2-C MSD
 Client ID:
 Sample Type: MSD
 Inject. Date: 02-Dec-2022 14:35:57 ALS Bottle#: 16 Worklist Smp#: 19
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 460-270167-A-2-C MSD
 Misc. Info.: 200-0053527-019 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 05-Dec-2022 11:40:57 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: CTX1627
 First Level Reviewer: nampitakw Date: 05-Dec-2022 13:08:35
 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	0.609	2244241	1.04	83.0	7444	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.076	0.009	1.000	1849855	1.00		99.9	207	M
D 3 13C5 PFPeA	267.90 > 223.00	2.387	2.387	-0.001	0.698	1720805	1.04	83.6	2276	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.387	2.387	-0.001	1.000	1534678	1.02		102	27.0	M
D 47 13C3 PFBS	301.90 > 80.00	2.400	2.400	0.0	0.701	1845780	1.03	88.7	78495	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.400	2.400	0.0	1.000	1546701	0.8515	Target=2.09	96.3	126	M
298.90 > 99.00	2.400	2.400	0.0	1.000	731798		2.11(1.04-3.13)		102	M
61 1H,1H,2H,2H-perfluorohexanesulfo	327.00 > 307.00	2.677	2.689	-0.012	1.000	529160	0.8793	94.1	127	
D 60 M2-4:2 FTS	329.00 > 81.00	2.677	2.689	-0.012	0.782	228058	1.44	124	49.0	M
D 7 13C2 PFHxA	315.00 > 270.00	2.701	2.725	-0.024	0.789	1776095	1.03	82.3	2973	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.713	2.725	-0.012	1.005	1504315	0.9717	Target=14.25	97.2	77.2	M
313.00 > 119.00	2.701	2.725	-0.024	1.000	113130		13.30(7.12-21.37)		54.4	M
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.713	2.737	-0.024	0.885	1378295	0.9114	Target=3.04	97.2	174	M
349.00 > 99.00	2.713	2.737	-0.024	0.885	481990		2.86(1.52-4.56)		184	M
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.810	2.835	-0.025	1.000	272221	1.02		102	2652	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	2.810	2.835	-0.025	0.821	316532	1.04		83.1	2028	
D 11 18O2 PFHxS										
403.00 > 84.00	3.065	3.088	-0.023	0.896	1339123	1.03		86.8	2877	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.065	3.088	-0.023	1.000	1153648	0.9026	Target=3.66	99.2	138	M
399.00 > 99.00	3.065	3.088	-0.023	1.000	342924		3.36(1.83-5.49)		129	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.065	3.099	-0.034	0.896	1736188	0.9780		78.2	3929	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.065	3.099	-0.034	1.000	1446582	0.9566	Target=3.97	95.7	80.0	
363.00 > 169.00	3.065	3.099	-0.034	1.000	368772		3.92(1.98-5.95)		451	
77 DONA										
377.00 > 251.00	3.110	3.132	-0.022	0.830	3677618	0.9094	Target=3.16	96.5	1799	
377.00 > 85.00	3.110	3.132	-0.022	0.830	1204676		3.05(1.58-4.73)		838	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.413	3.439	-0.026	0.997	264644	1.21		102	96.5	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.413	3.439	-0.026	1.000	478809	1.01		106	176	
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.413	3.439	-0.026	0.911	1027798	1.00	Target=5.14	105	208	M
449.00 > 99.00	3.413	3.439	-0.026	0.911	204698		5.02(2.57-7.72)		134	M
D 14 13C4 PFOA										
417.00 > 372.00	3.430	3.448	-0.018	1.003	1982582	0.99		79.5	6064	
* 62 13C2 PFOA										
415.00 > 370.00	3.421	3.448	-0.027		2410618	1.25			2962	M
15 Perfluorooctanoic acid										
413.00 > 369.00	3.430	3.448	-0.018	1.000	1857024	1.10	Target=2.79	110	46.8	M
413.00 > 169.00	3.421	3.448	-0.027	0.997	618572		3.00(1.40-4.19)		695	M
D 18 13C4 PFOS										
503.00 > 80.00	3.745	3.764	-0.019	1.094	877480	0.99		83.0	324	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.745	3.764	-0.019	1.000	851348	0.9534	Target=5.11	103	178	M
499.00 > 99.00	3.745	3.764	-0.019	1.000	200679		4.24(2.55-7.66)		142	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.764	3.783	-0.019	1.000	1736303	1.01	Target=8.55	101	110	M
463.00 > 169.00	3.764	3.783	-0.019	1.000	209018		8.31(4.28-12.83)		414	
D 19 13C5 PFNA										
468.00 > 423.00	3.764	3.783	-0.019	1.100	2073444	1.07		85.5	4397	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.916	3.928	-0.012	1.046	1955043	0.9539		102	1519	M
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.041	4.050	-0.009	1.079	664837	0.9864	Target=2.53	103	342	M
549.00 > 99.00	4.041	4.050	-0.009	1.079	268977		2.47(1.27-3.80)		300	M
D 23 13C2 PFDA										
515.00 > 470.00	4.061	4.081	-0.020	1.187	2279576	1.15		92.3	4394	

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	2045615	1.03	Target=10.26	103	153	M
513.00 > 169.00	4.071	4.081	-0.010	1.003	196716		10.40(5.13-15.38)		362	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.071	4.093	-0.022	1.190	411578	1.54		129	192	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.071	4.093	-0.022	1.000	546990	0.9842		103	1896	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.138	4.150	-0.012	1.000	1257937	1.00		100	1620	M
D 21 13C8 FOSA										
506.00 > 78.00	4.138	4.150	-0.012	1.210	1504198	0.9282		74.3	2327	
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.217	4.228	-0.011	1.233	378647	0.9408		75.3	569	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.217	4.228	-0.011	1.000	286854	1.09		109	529	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.308	4.331	-0.023	1.150	506464	0.9517	Target=2.51	98.7	334	
599.00 > 99.00	4.308	4.331	-0.023	1.150	199445		2.54(1.25-3.76)		294	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.342	4.353	-0.011	1.269	2018460	1.12		89.2	3049	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.342	4.353	-0.011	1.000	1644664	1.01	Target=9.88	101	248	
563.00 > 169.00	4.342	4.353	-0.011	1.000	153665		10.70(4.94-14.82)		405	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.353	4.365	-0.012	1.003	325842	0.9699		97.0	563	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.342	4.365	-0.023	1.269	469065	1.18		94.7	1070	
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.432	4.454	-0.022	1.184	2941964	0.9312		98.9	5372	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.580	4.591	-0.011	1.000	1723760	1.00	Target=7.77	99.8	176	M
613.00 > 169.00	4.580	4.591	-0.011	1.000	227000		7.59(3.89-11.66)		964	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.580	4.591	-0.011	1.339	2038419	1.11		88.4	3128	
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.591	4.612	-0.021	1.128	362223	1.08		113	1134	M
75 Perfluorododecanesulfonic acid (M
699.00 > 80.00	4.758	4.776	-0.018	1.271	217634	0.9665	Target=0.50	99.8	242	M
699.00 > 99.00	4.758	4.776	-0.018	1.271	417160		0.52(0.25-0.76)		1135	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.785	4.804	-0.019	1.045	1437339	0.8699	Target=5.21	87.0	152	M
663.00 > 169.00	4.785	4.804	-0.019	1.045	282138		5.09(2.60-7.81)		670	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	4.992	5.012	-0.020	1.000	184893	1.00	Target=0.89	100	634	
713.00 > 219.00	4.982	5.012	-0.030	0.998	208141		0.89(0.44-1.33)		988	M
D 43 13C2 PFTeDA										
715.00 > 670.00	4.992	5.012	-0.020	1.459	1683624	1.06		84.4	4300	

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	5.344	5.367	-0.023	1.000	1260184	1.04	Target=5.65	104	214	
813.00 > 169.00	5.344	5.367	-0.023	1.000	213234		5.91(2.82-8.47)		956	
D 44 13C2 PFHxDA										
815.00 > 770.00	5.344	5.367	-0.023	1.562	1617833	0.8205		65.6	3489	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.686	5.722	-0.036	1.064	1074221	1.01	Target=6.24	101	299	M
913.00 > 169.00	5.686	5.722	-0.036	1.064	171556		6.26(3.12-9.36)		694	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A19.d

Injection Date: 02-Dec-2022 14:35:57

Instrument ID: LC812

Lims ID: 460-270167-A-2-C MSD

Client ID:

Operator ID: lc812tech

ALS Bottle#: 16

Worklist Smp#: 19

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

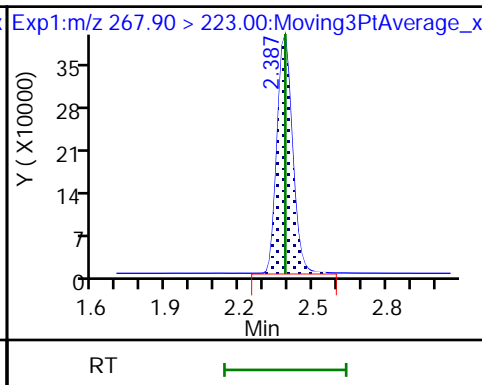
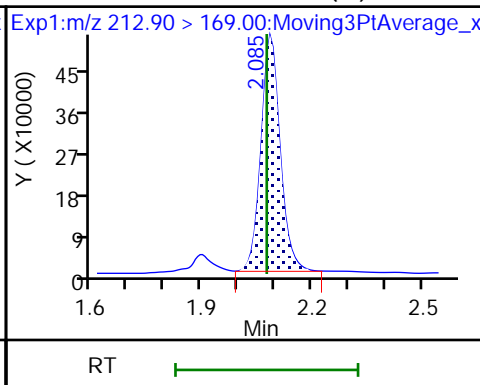
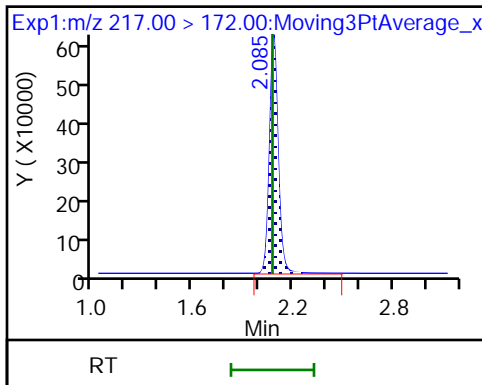
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

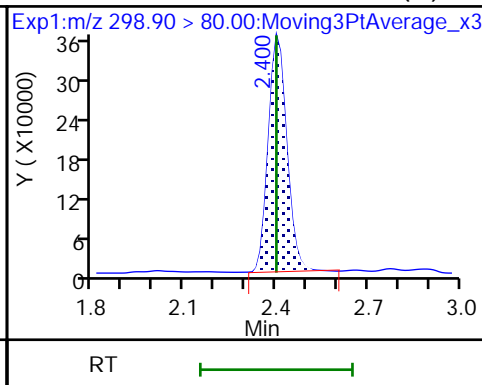
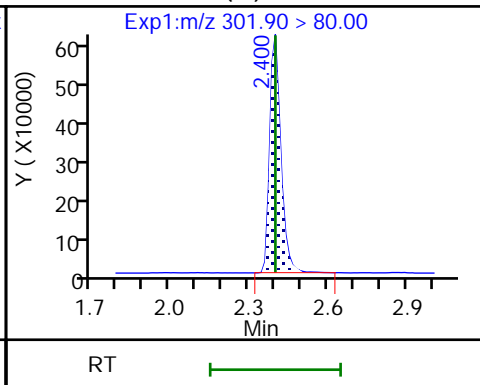
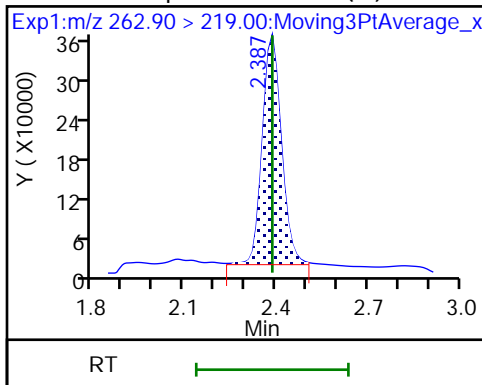
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS (M)

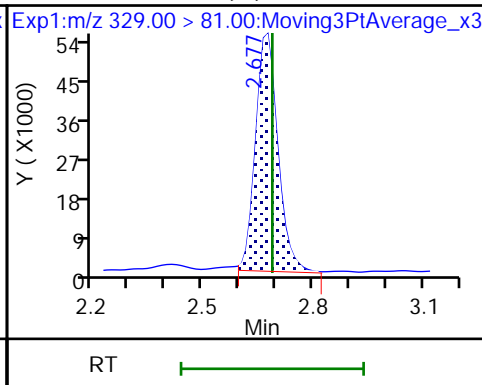
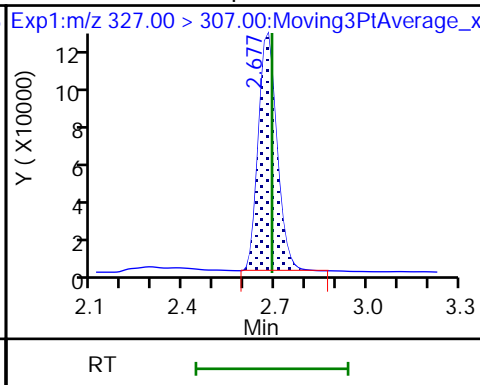
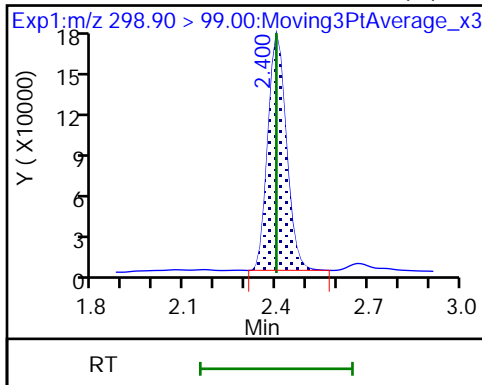
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

61 1H,1H,2H,2H-perfluorohexanesulfo

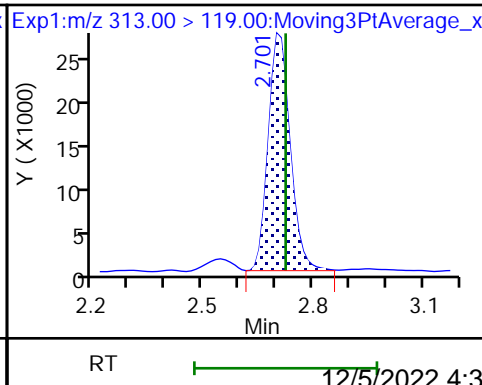
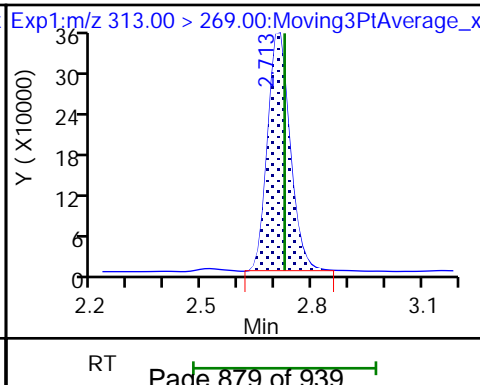
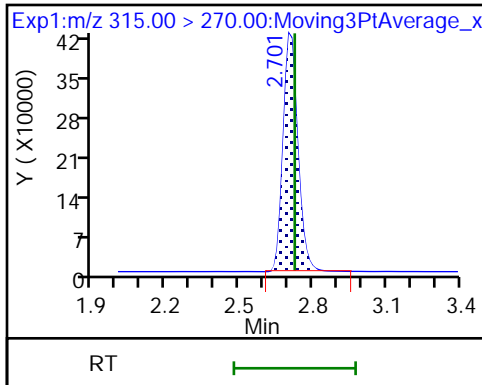
D 60 M2-4:2 FTS (M)



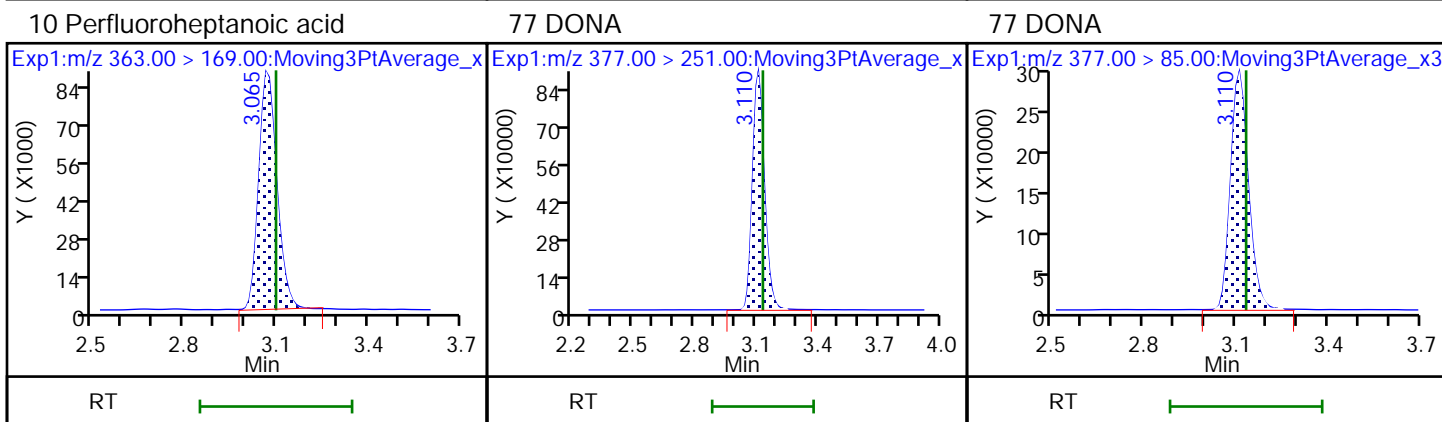
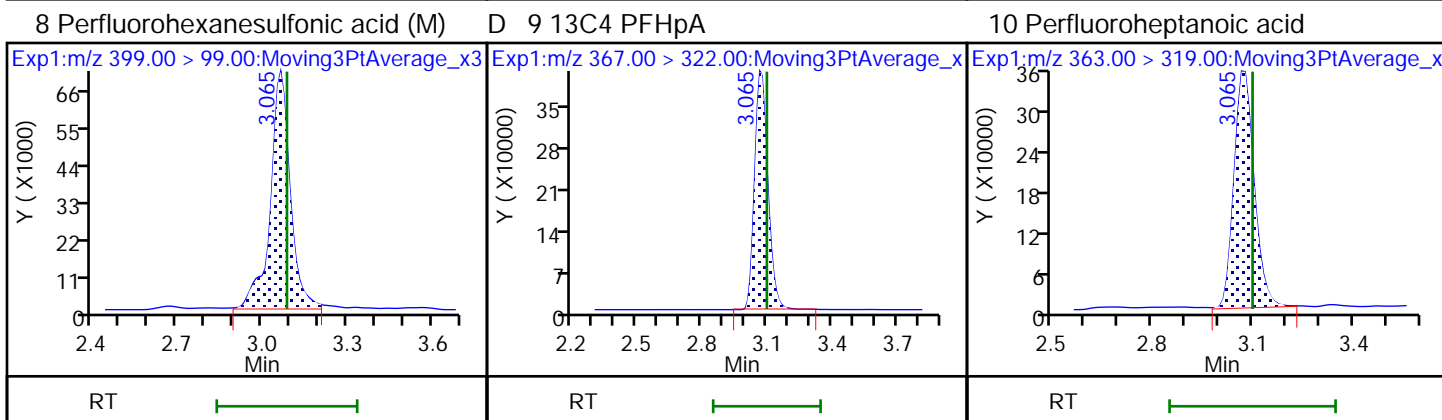
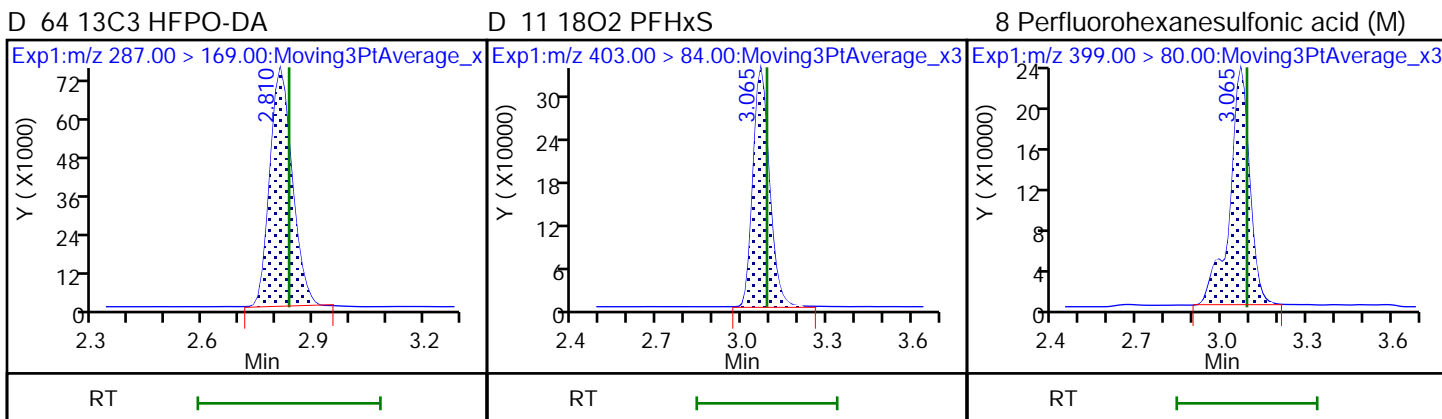
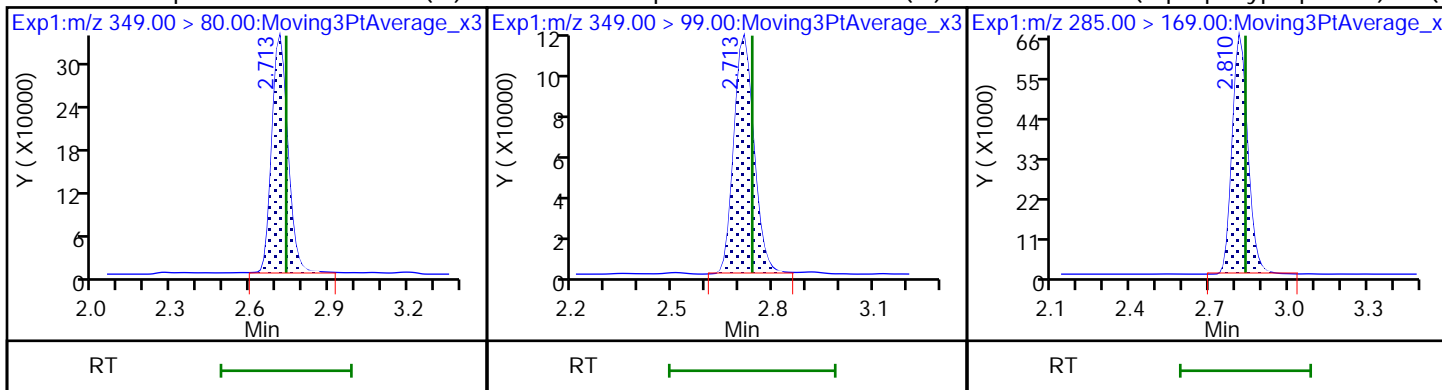
D 7 13C2 PFHxA (M)

6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid (M)



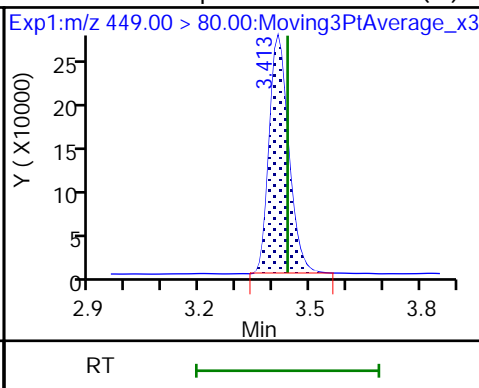
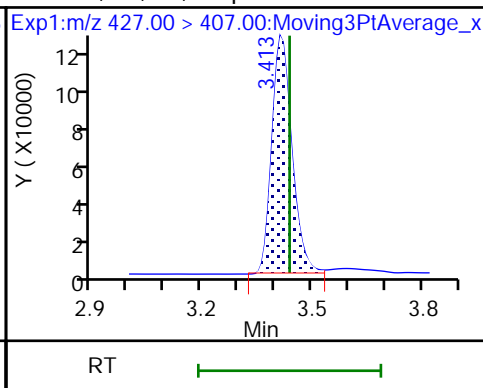
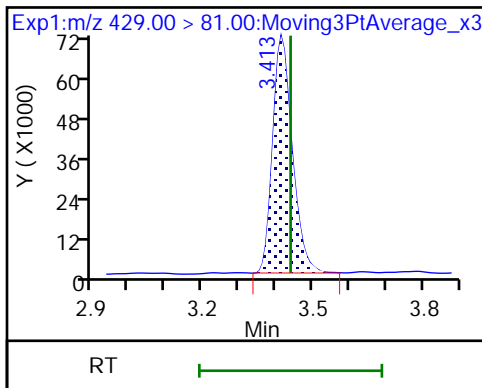
70 Perfluoropentanesulfonic acid (M) 70 Perfluoropentanesulfonic acid (M) 67 Perfluoro(2-propoxypropanoic) ac (M)



D 12 M2-6:2 FTS

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

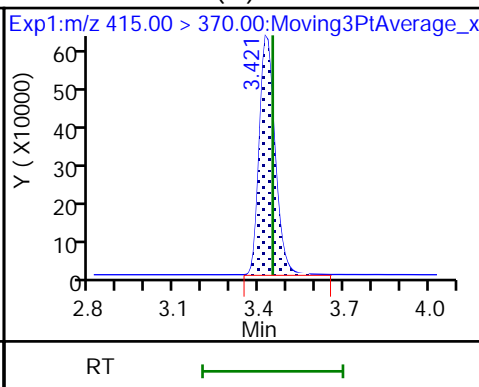
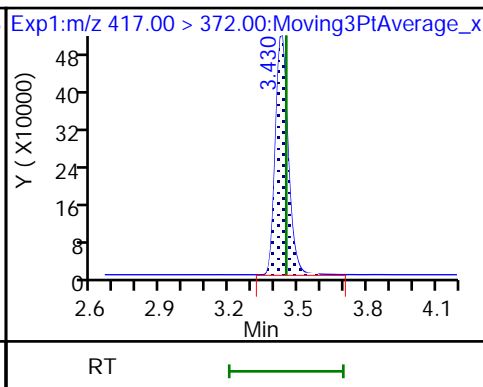
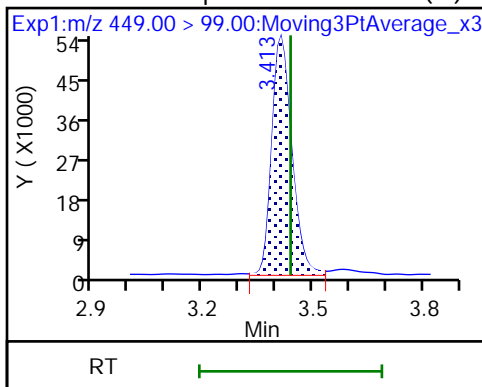
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

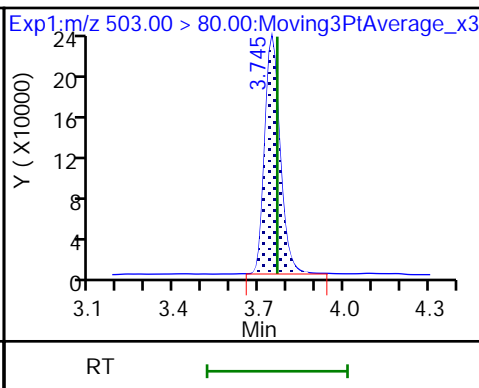
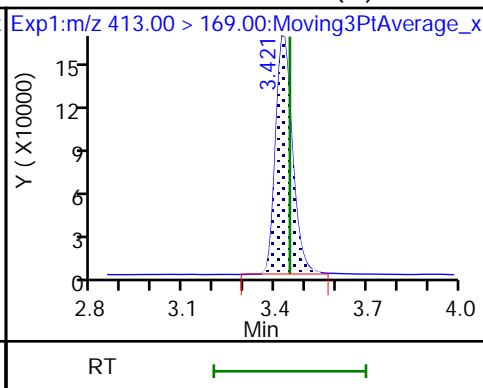
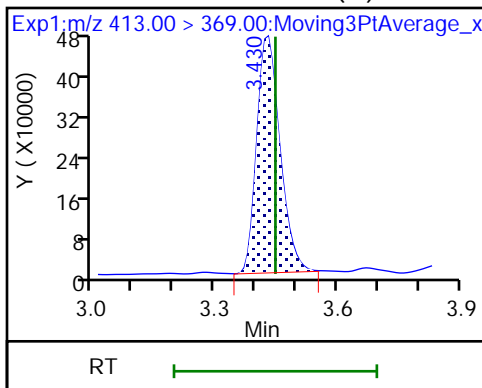
* 62 13C2 PFOA (M)



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

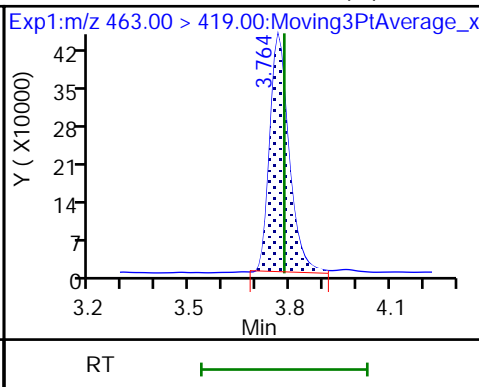
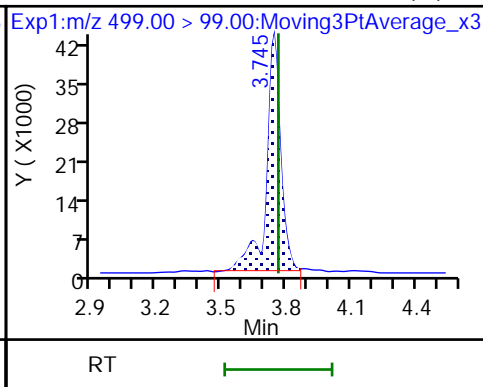
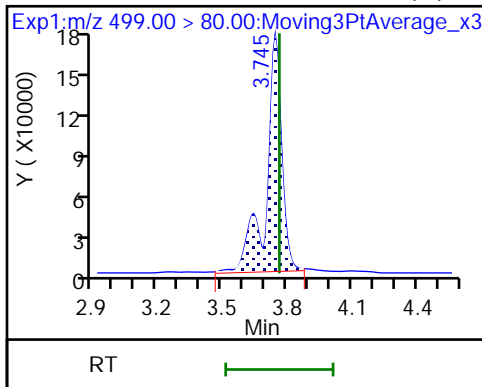
D 18 13C4 PFOS

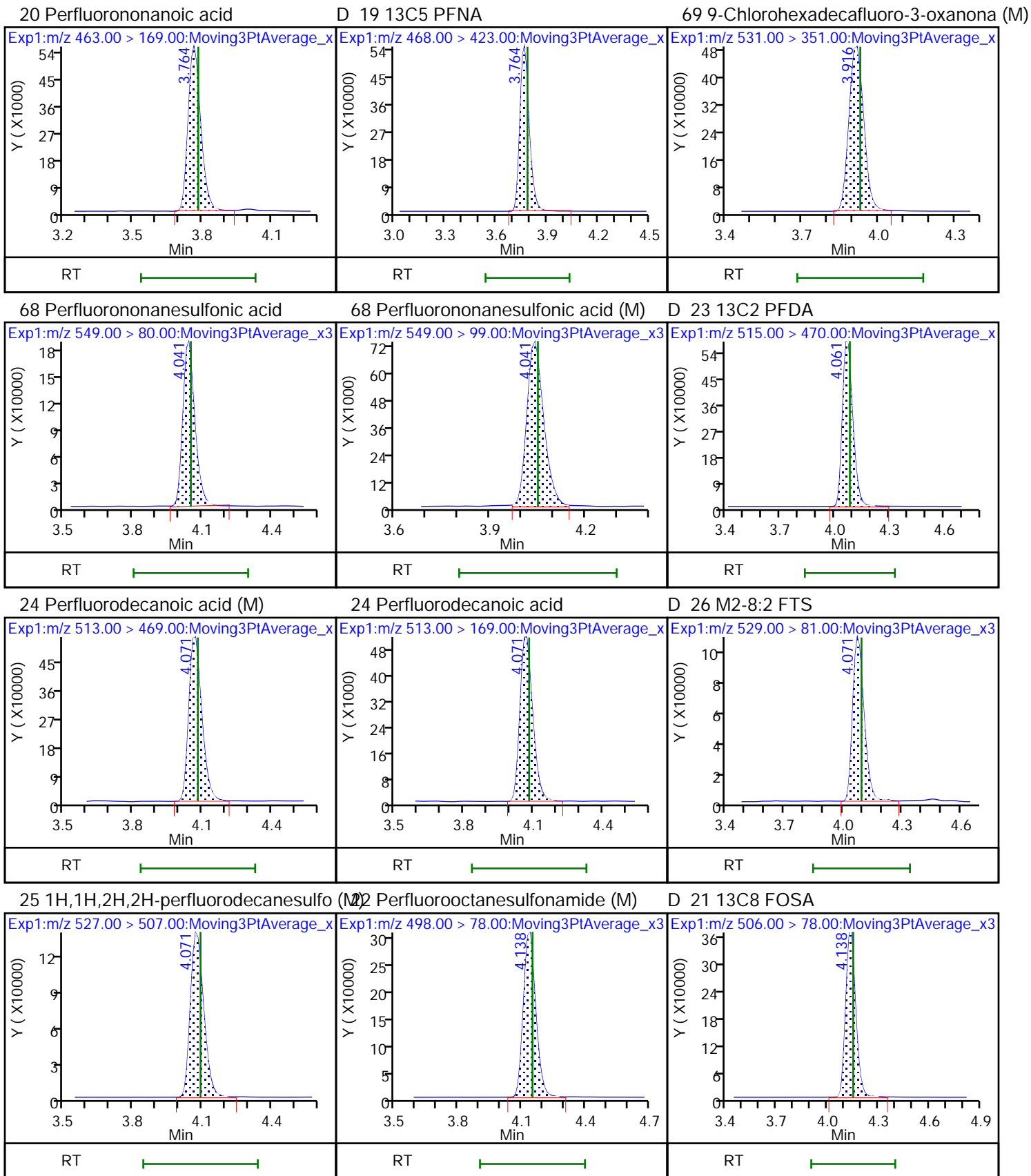


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid (M)

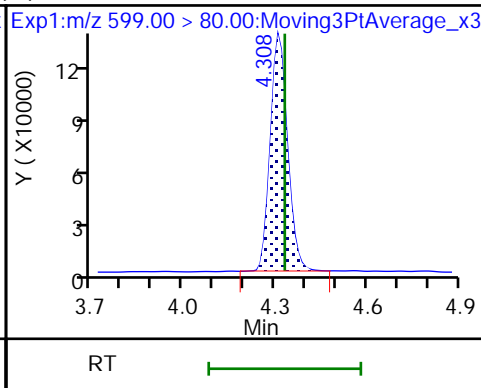
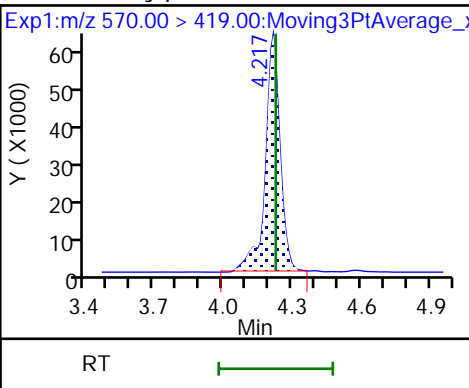
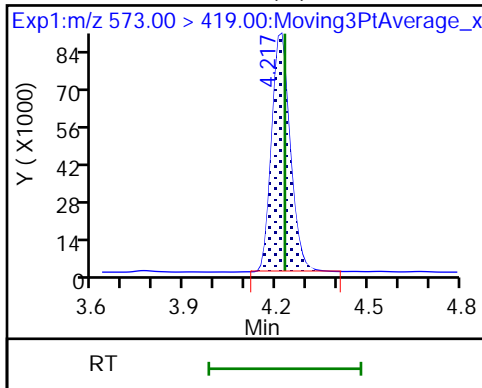




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

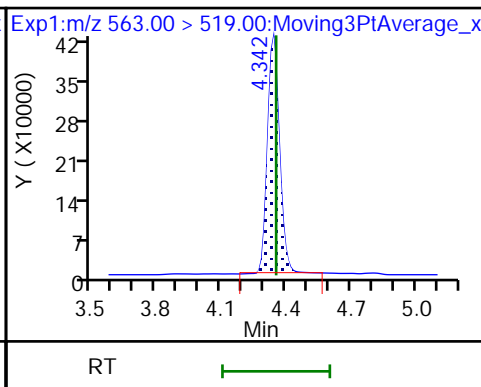
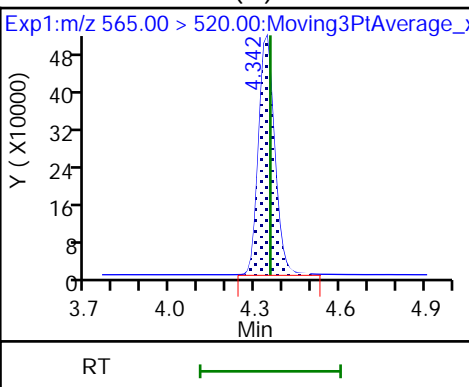
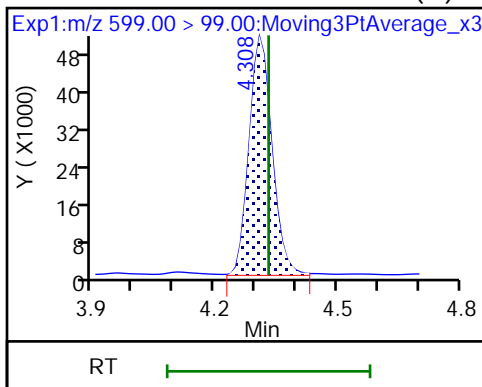
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUnA (M)

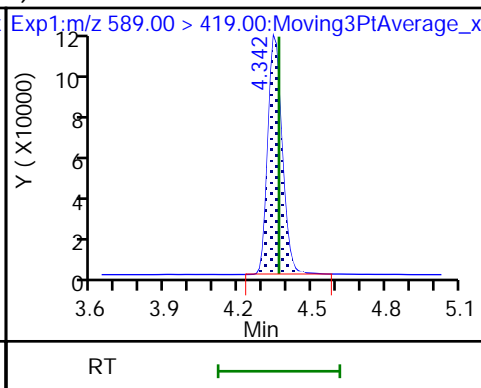
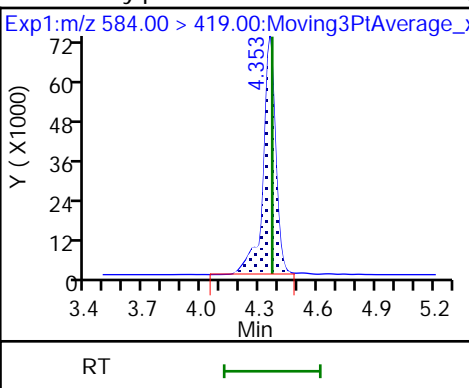
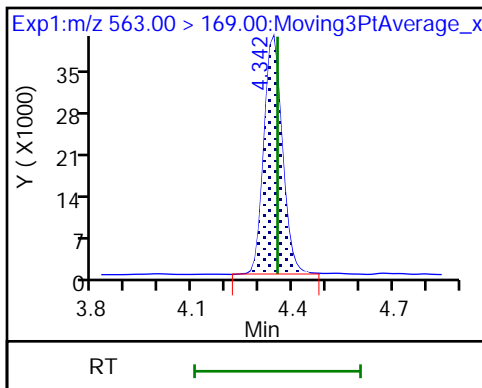
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid

33 N-ethylperfluorooctanesulfonamid (M)

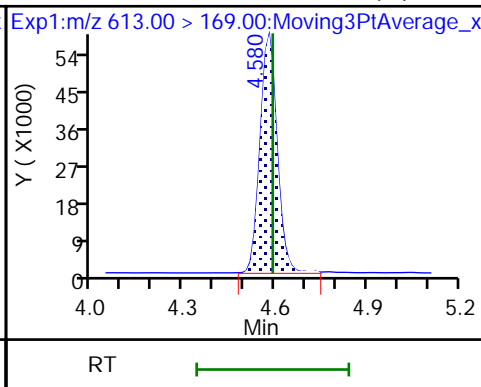
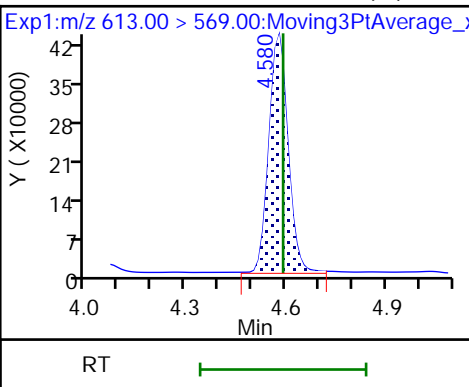
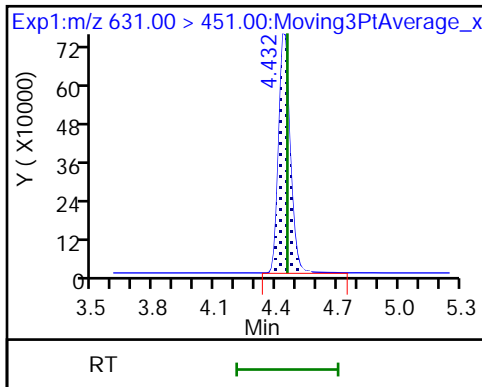
32 d5-NEtFOSAA



66 11-Chloroeicosafuoro-3-oxaundec

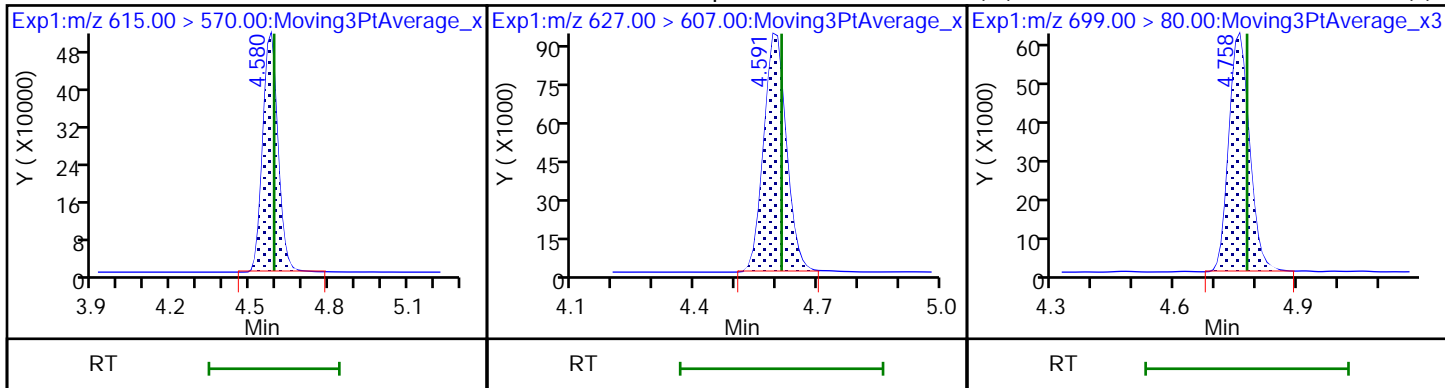
37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid (M)



D 36 13C2 PFDaA

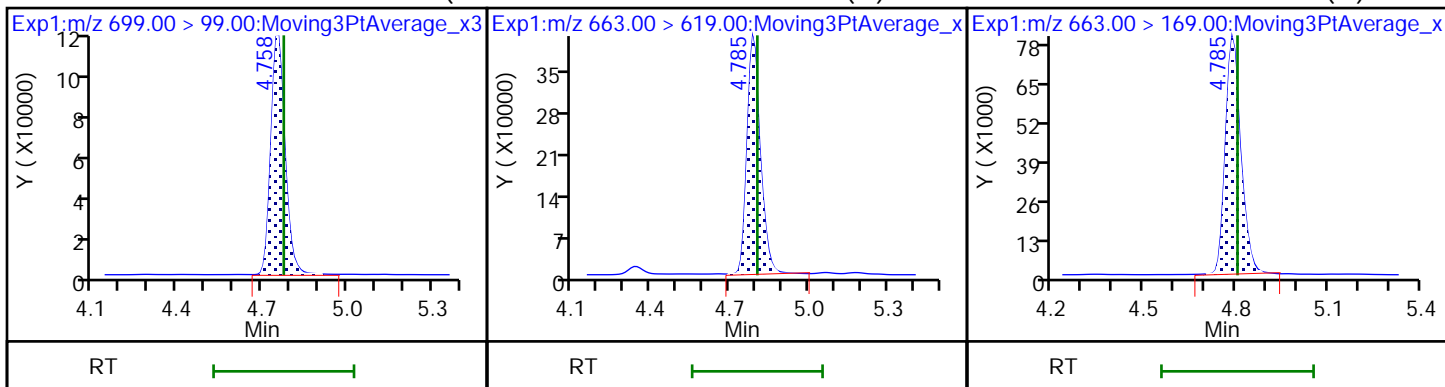
74 1H,1H,2H,2H-perfluorododecanesul (M) Perfluorododecanesulfonic acid ((M)



75 Perfluorododecanesulfonic acid (

41 Perfluorotridecanoic acid (M)

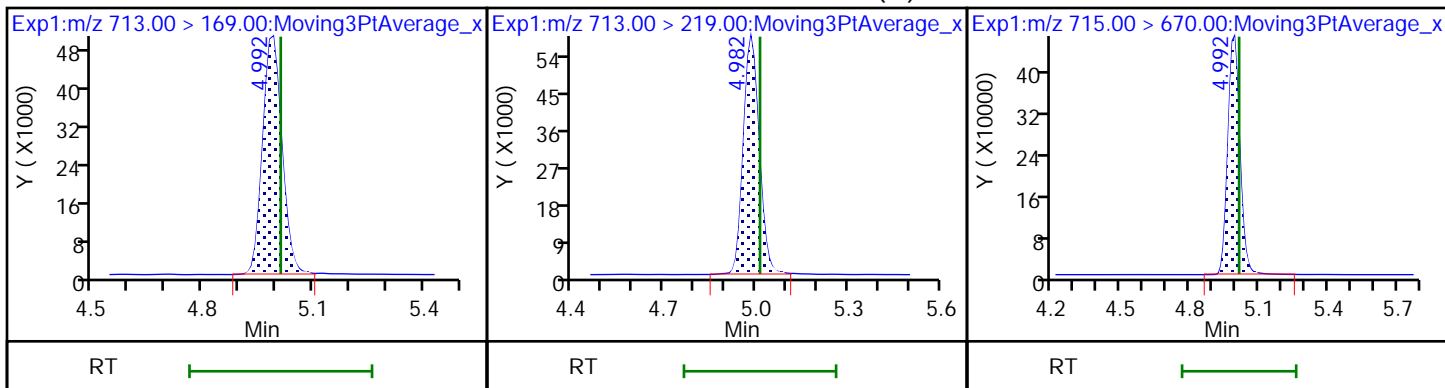
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid

42 Perfluorotetradecanoic acid (M)

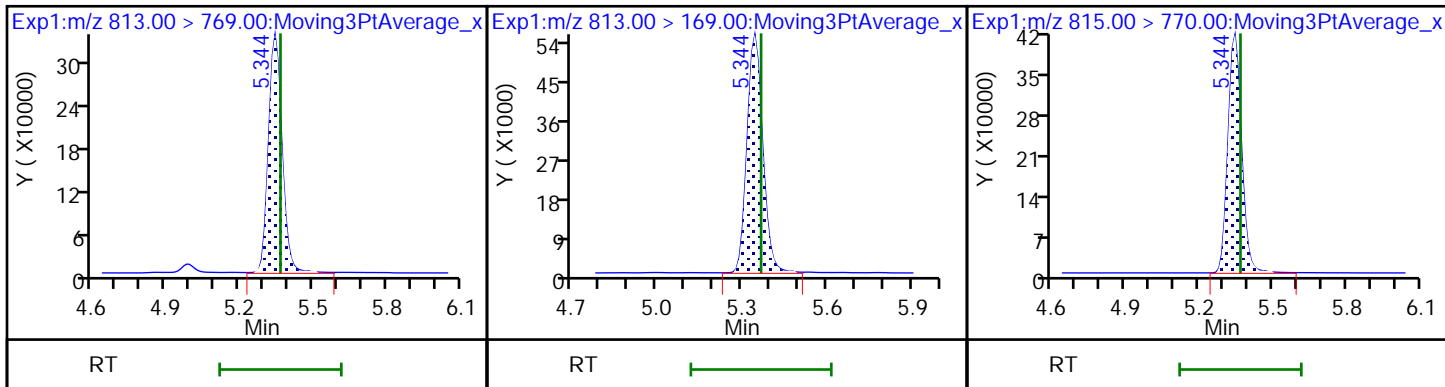
D 43 13C2 PFTeDA



45 Perfluorohexadecanoic acid

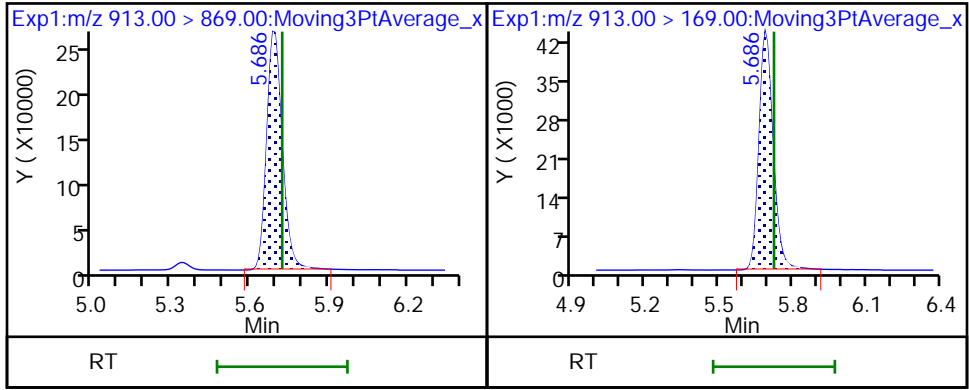
45 Perfluorohexadecanoic acid

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid



Eurofins Burlington

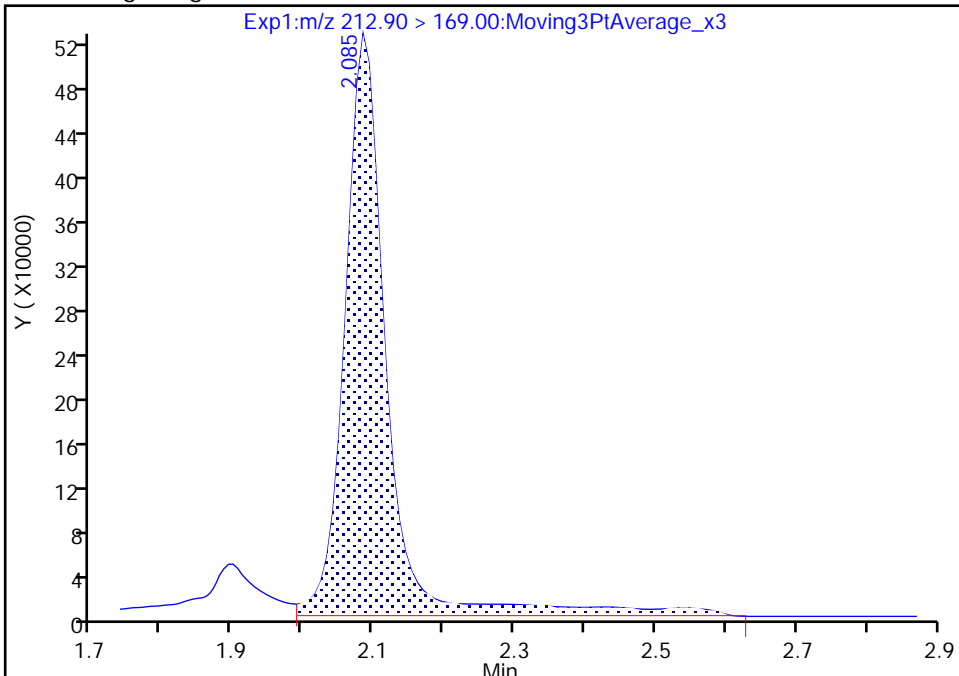
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A19.d
Injection Date: 02-Dec-2022 14:35:57 Instrument ID: LC812
Lims ID: 460-270167-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

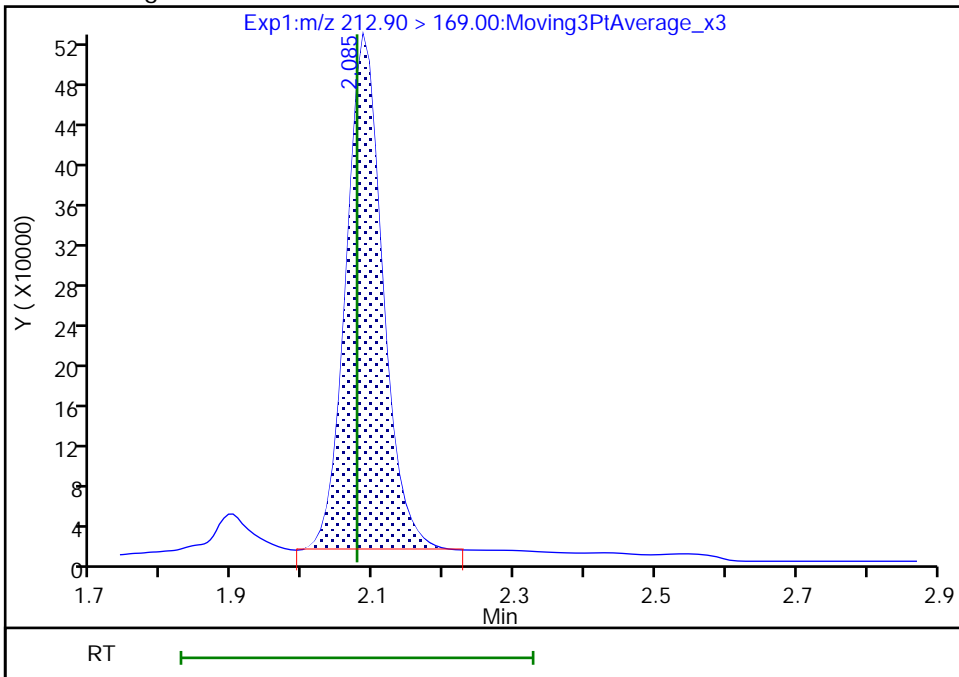
RT: 2.08
Area: 2174298
Amount: 1.174406
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 1849855
Amount: 0.999164
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:03:48
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 886 of 939

Eurofins Burlington

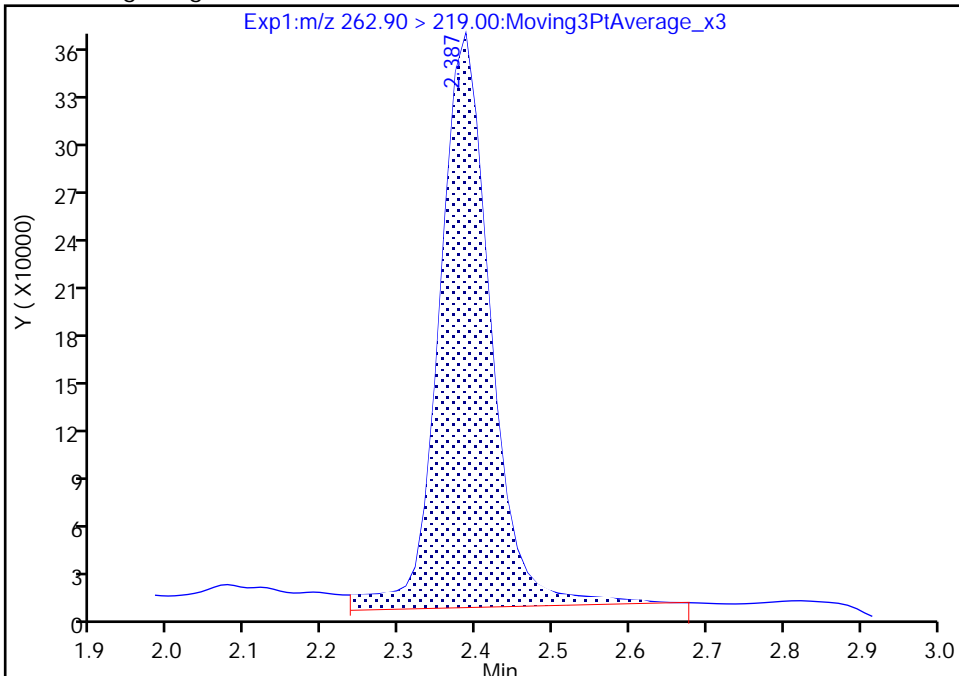
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A19.d
Injection Date: 02-Dec-2022 14:35:57 Instrument ID: LC812
Lims ID: 460-270167-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

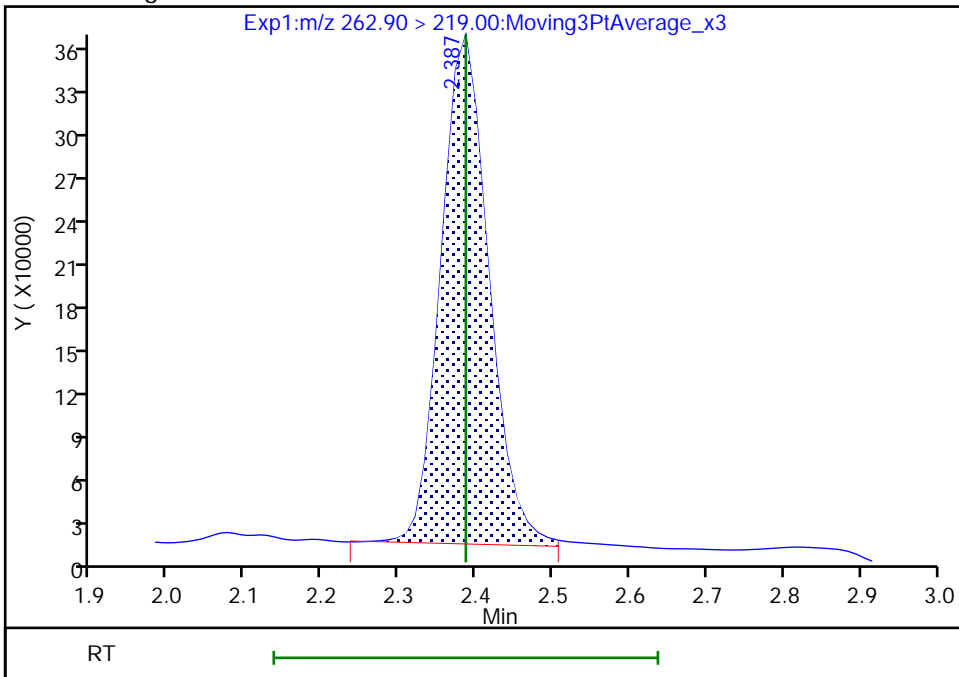
RT: 2.39
Area: 1682999
Amount: 1.121773
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 1534678
Amount: 1.022912
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:03:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

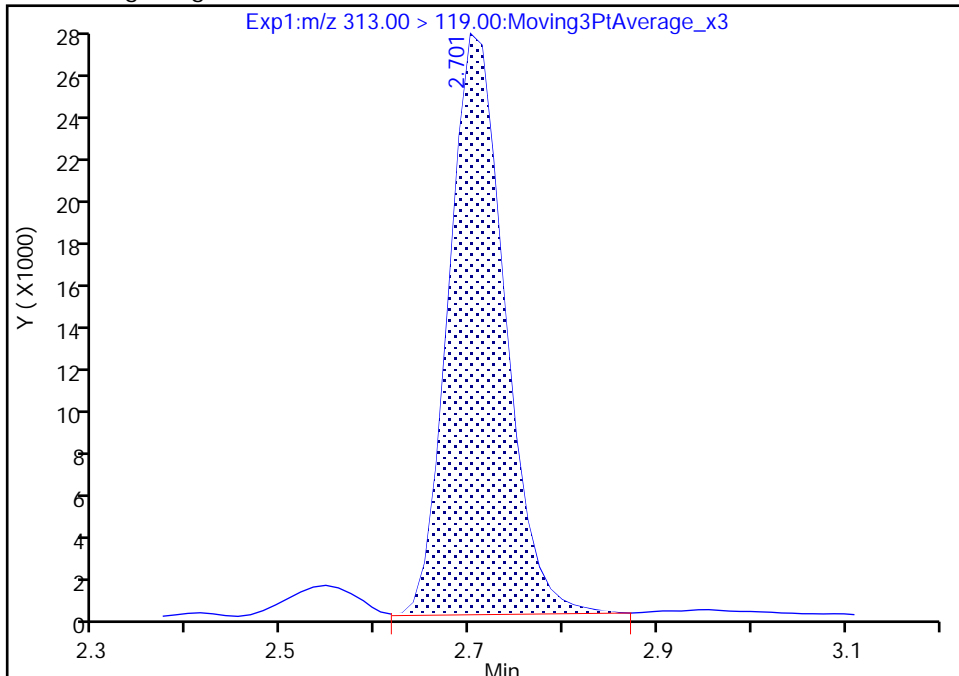
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A19.d
Injection Date: 02-Dec-2022 14:35:57 Instrument ID: LC812
Lims ID: 460-270167-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

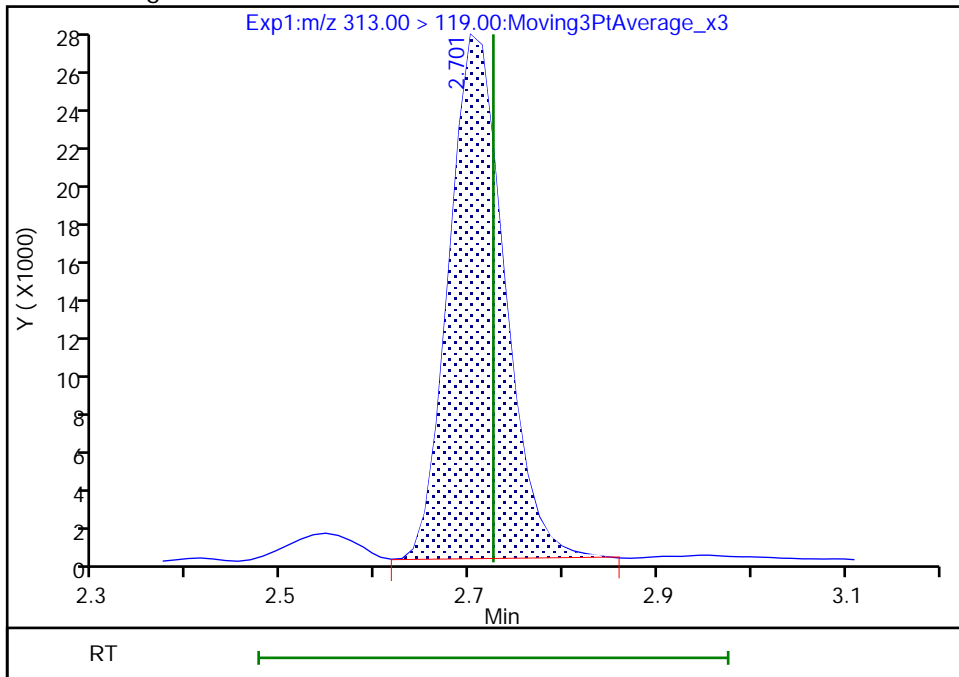
RT: 2.70
Area: 113623
Amount: 0.999457
Amount Units: ng/ml

Processing Integration Results



RT: 2.70
Area: 113130
Amount: 0.971653
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:04:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

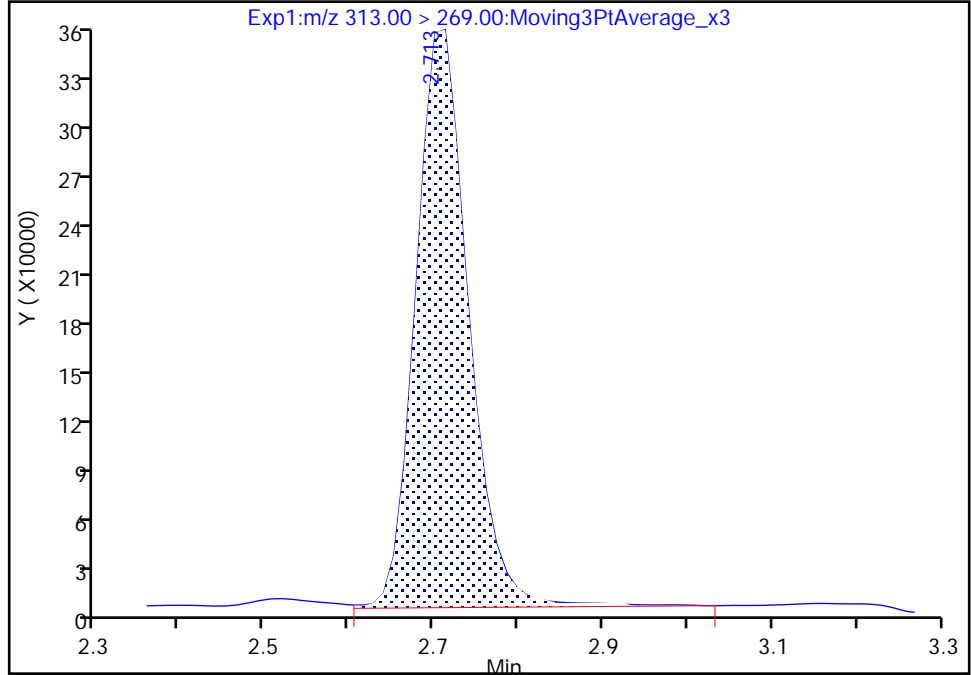
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A19.d
Injection Date: 02-Dec-2022 14:35:57 Instrument ID: LC812
Lims ID: 460-270167-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

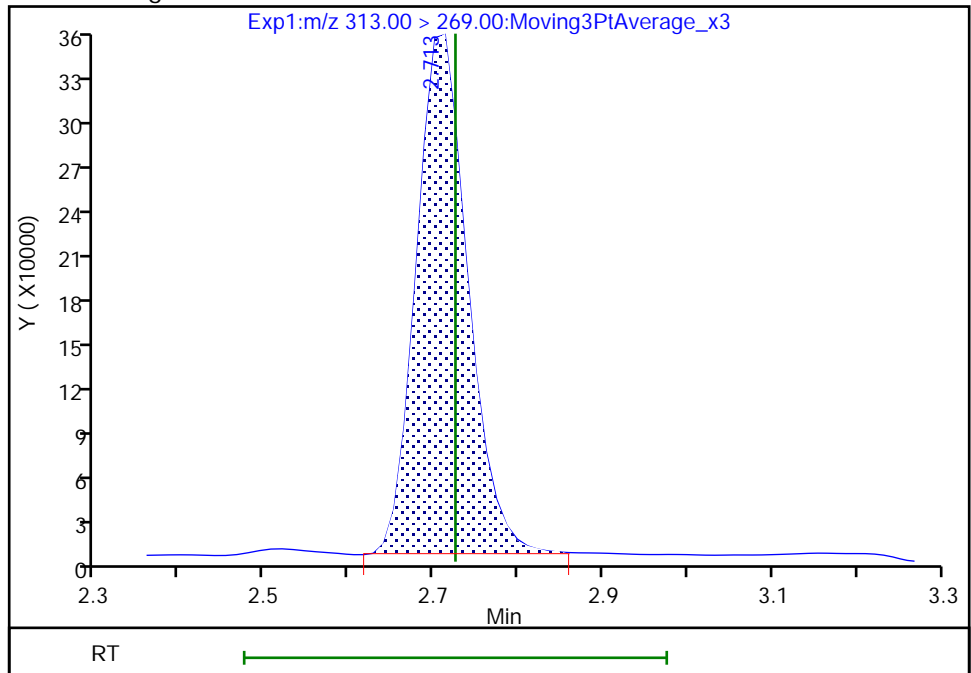
RT: 2.71
Area: 1547361
Amount: 0.999457
Amount Units: ng/ml

Processing Integration Results



RT: 2.71
Area: 1504315
Amount: 0.971653
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Dec-2022 13:04:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

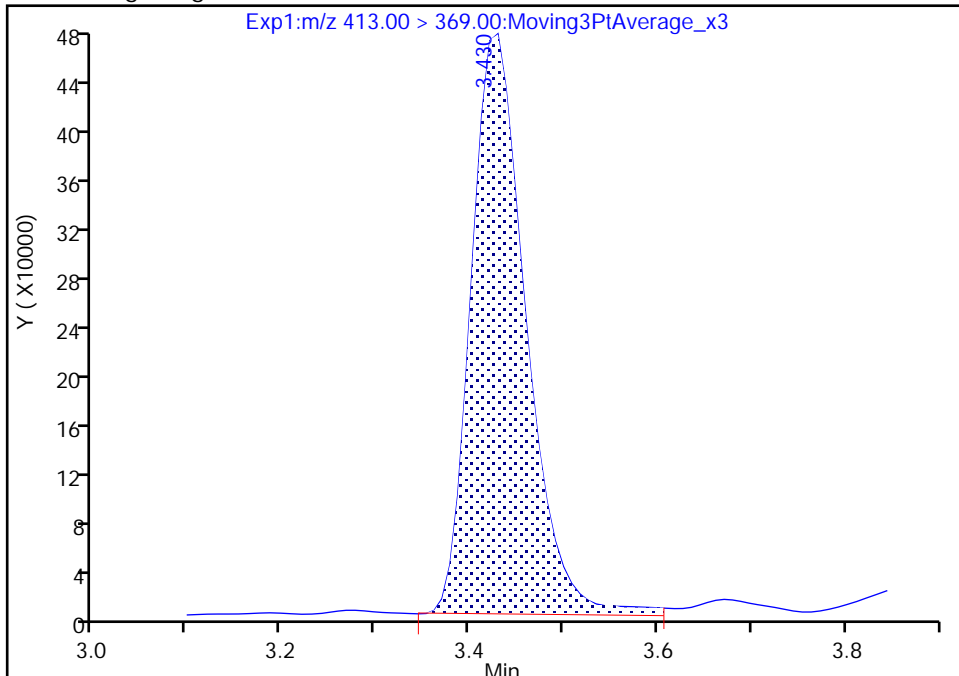
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A19.d
Injection Date: 02-Dec-2022 14:35:57 Instrument ID: LC812
Lims ID: 460-270167-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

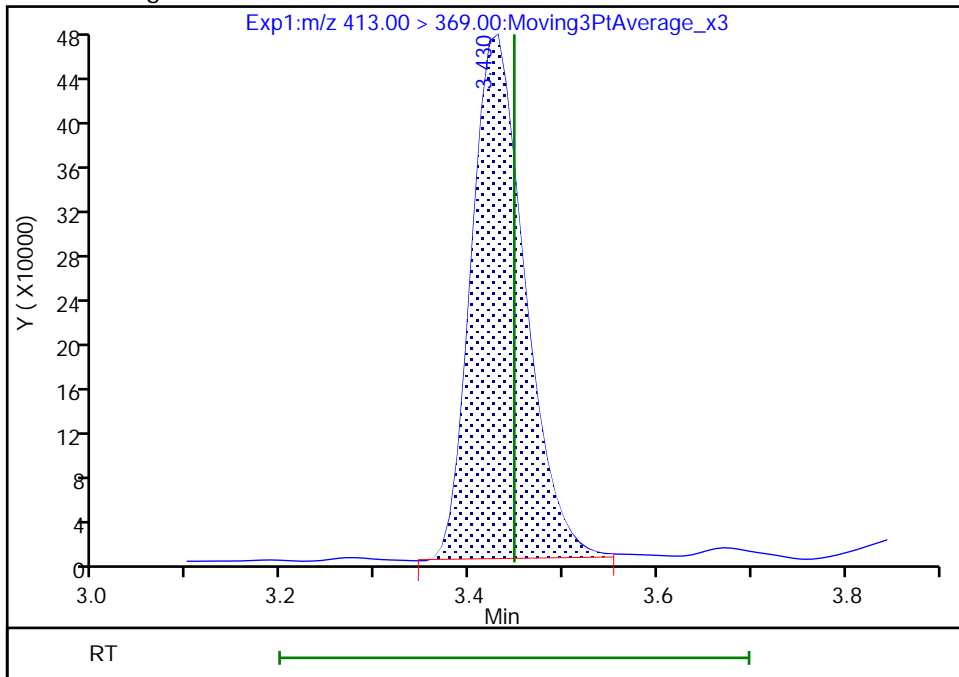
RT: 3.43
Area: 1910687
Amount: 1.126874
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 1857024
Amount: 1.095225
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:05:23
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 890 of 939

Eurofins Burlington

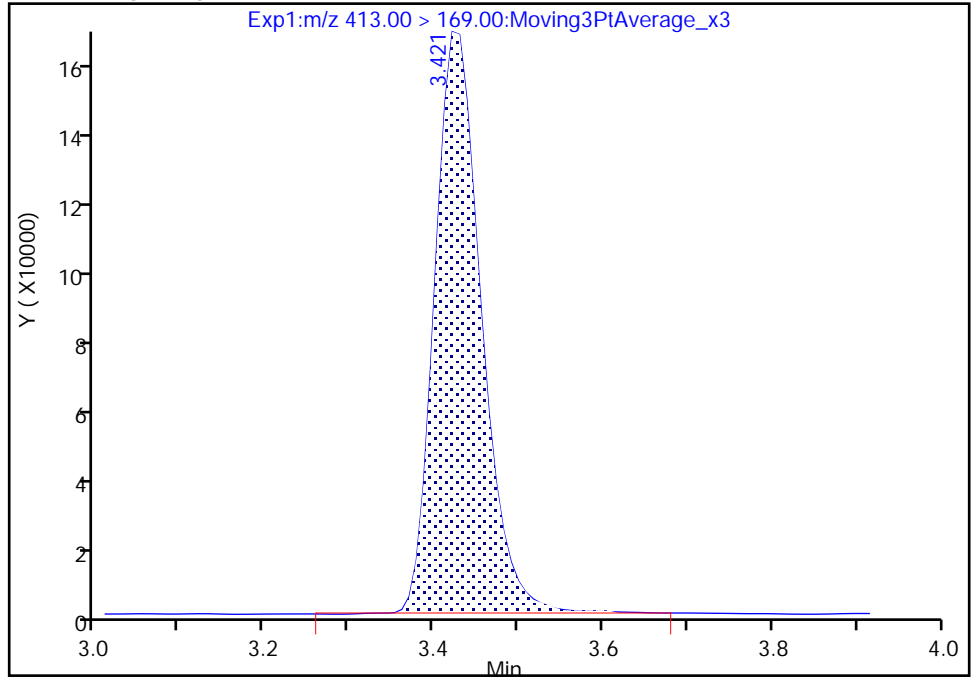
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A19.d
Injection Date: 02-Dec-2022 14:35:57 Instrument ID: LC812
Lims ID: 460-270167-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

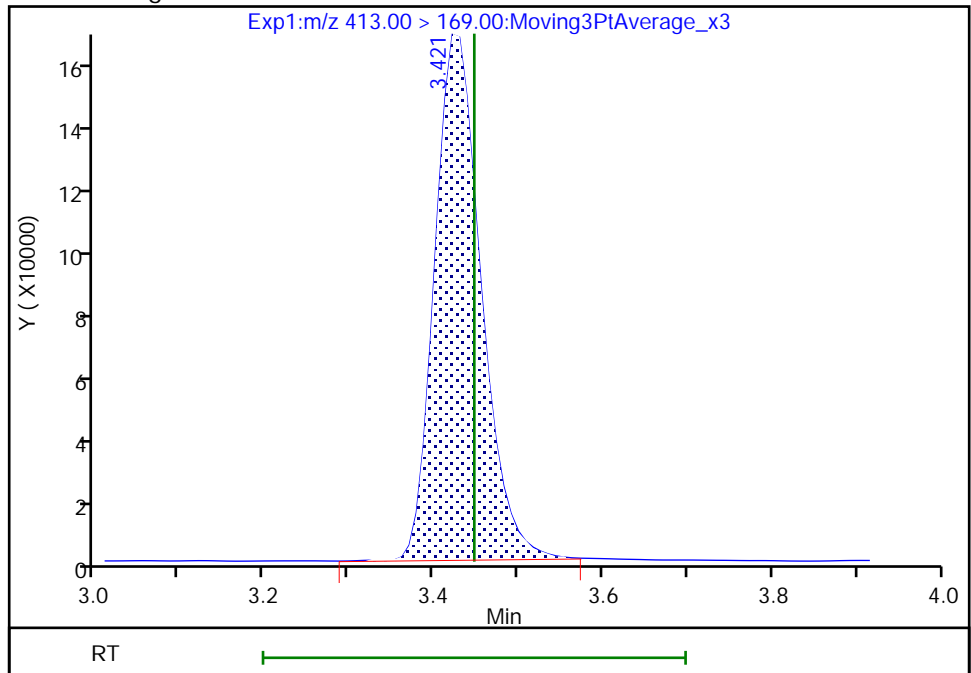
RT: 3.42
Area: 620670
Amount: 1.126874
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 618572
Amount: 1.095225
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:05:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

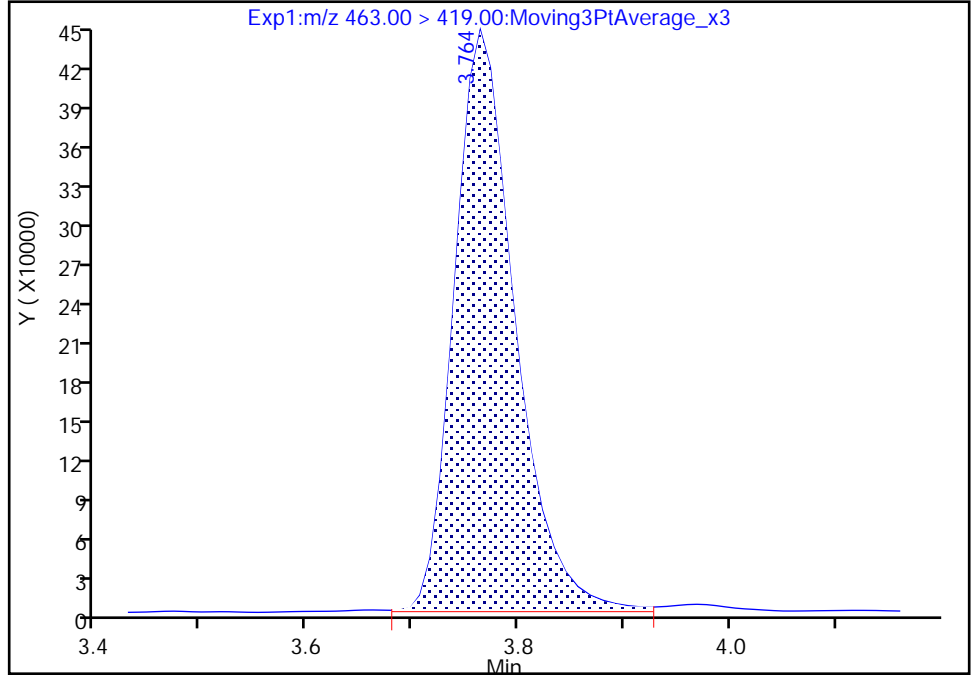
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A19.d
Injection Date: 02-Dec-2022 14:35:57 Instrument ID: LC812
Lims ID: 460-270167-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

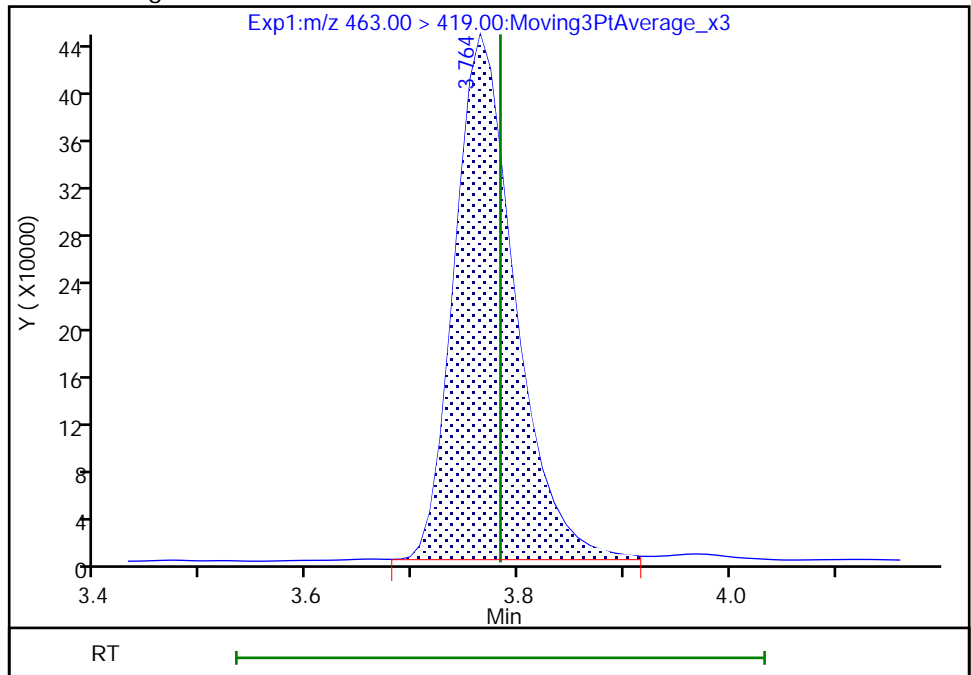
RT: 3.76
Area: 1747566
Amount: 1.015603
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 1736303
Amount: 1.009057
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:06:14
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 892 of 939

Eurofins Burlington

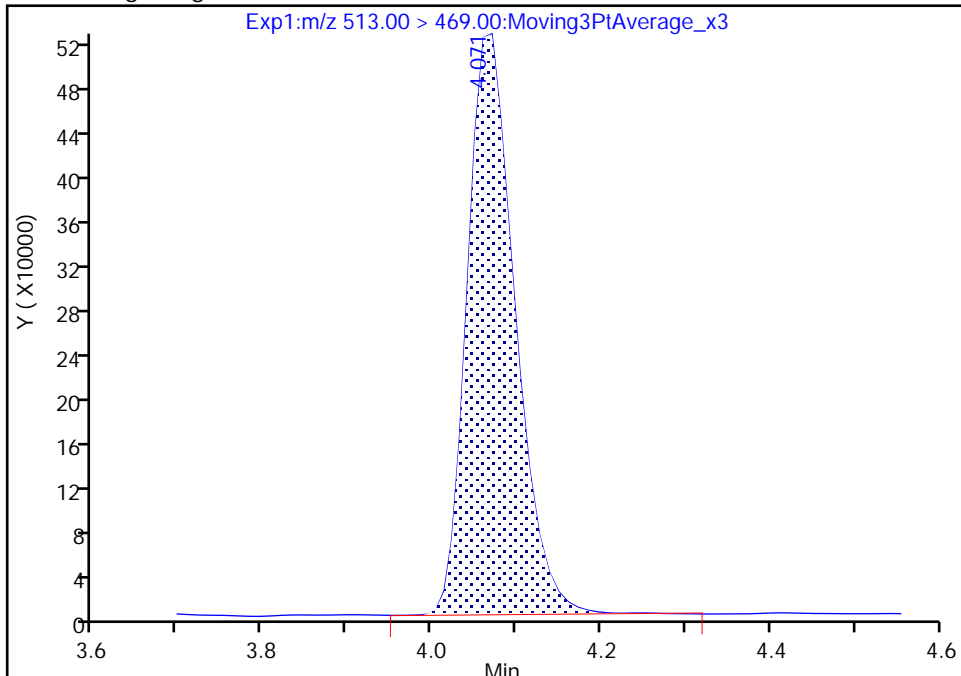
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A19.d
Injection Date: 02-Dec-2022 14:35:57 Instrument ID: LC812
Lims ID: 460-270167-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

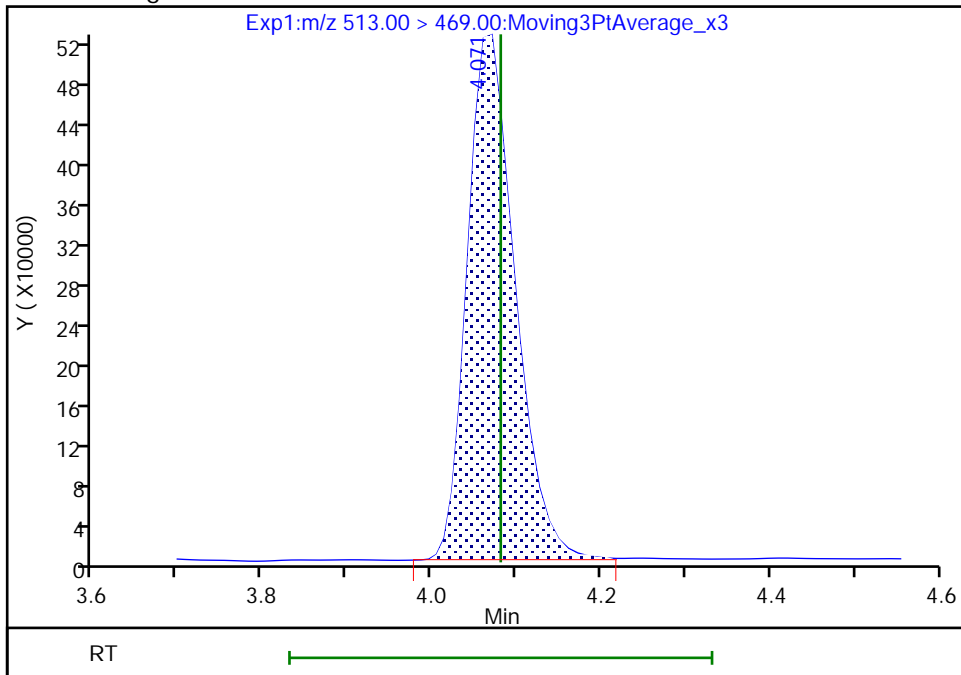
RT: 4.07
Area: 2062374
Amount: 1.042817
Amount Units: ng/ml

Processing Integration Results



RT: 4.07
Area: 2045615
Amount: 1.034343
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:06:53
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

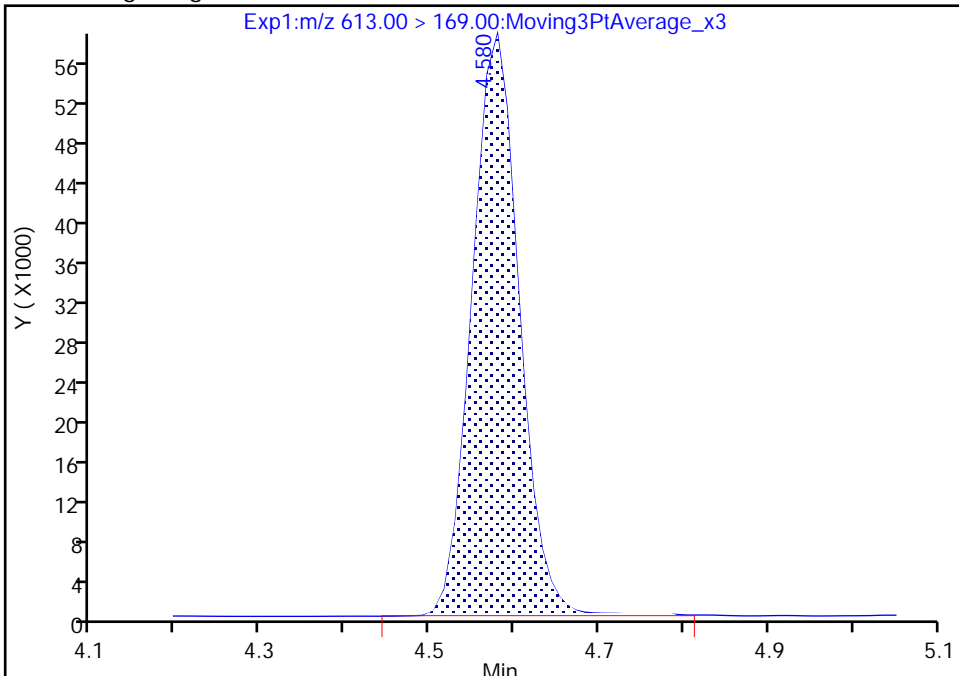
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A19.d
Injection Date: 02-Dec-2022 14:35:57 Instrument ID: LC812
Lims ID: 460-270167-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

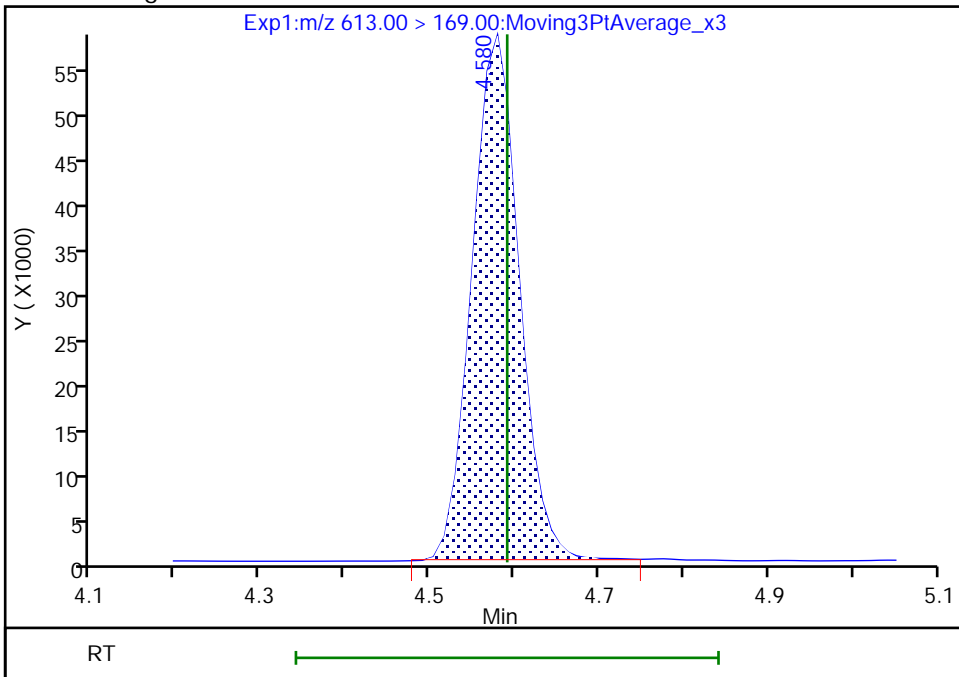
RT: 4.58
Area: 228407
Amount: 1.000340
Amount Units: ng/ml

Processing Integration Results



RT: 4.58
Area: 227000
Amount: 0.997719
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:07:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 894 of 939

Eurofins Burlington

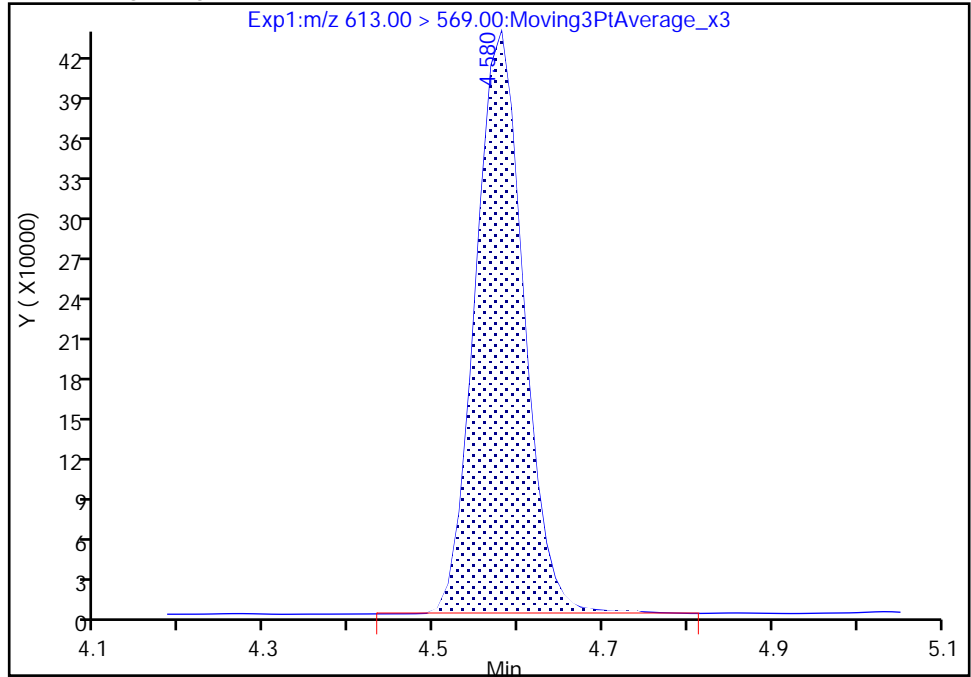
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A19.d
Injection Date: 02-Dec-2022 14:35:57 Instrument ID: LC812
Lims ID: 460-270167-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

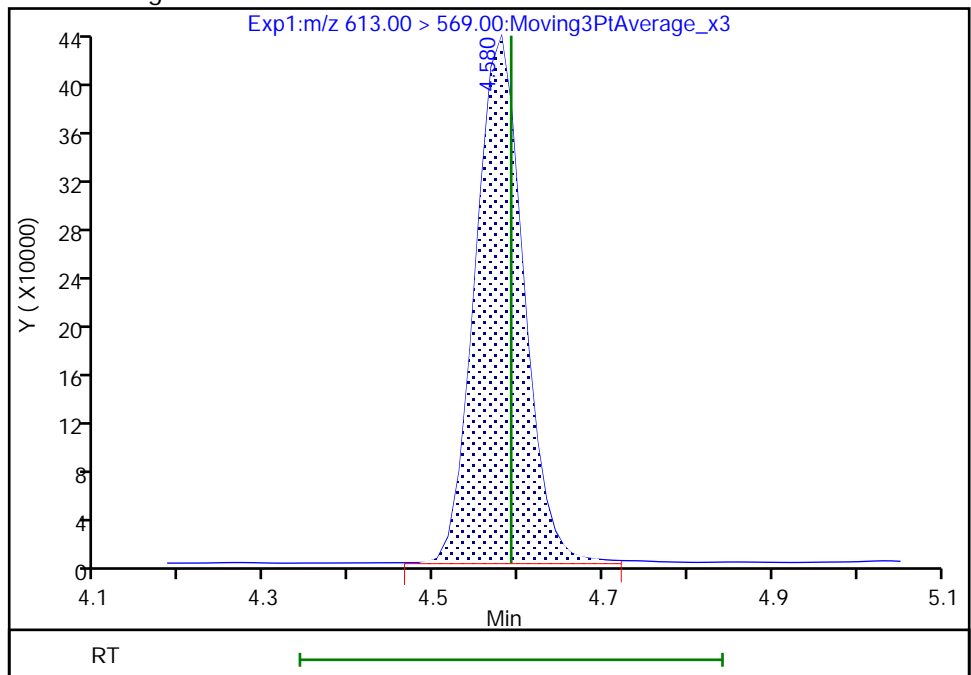
RT: 4.58
Area: 1728288
Amount: 1.000340
Amount Units: ng/ml

Processing Integration Results



RT: 4.58
Area: 1723760
Amount: 0.997719
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:07:54

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 895 of 939

Eurofins Burlington

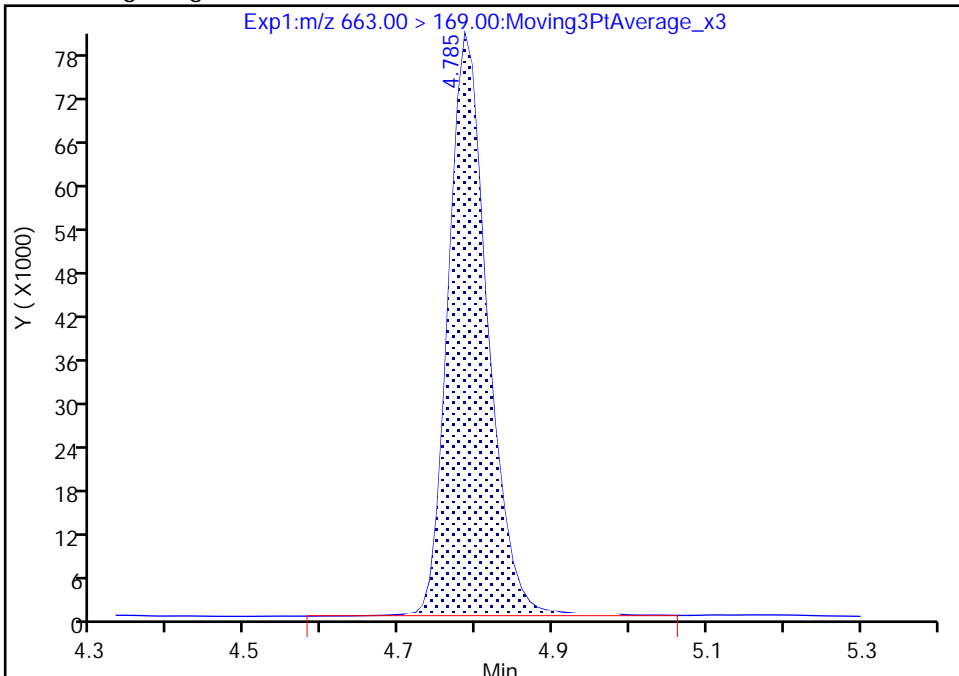
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A19.d
Injection Date: 02-Dec-2022 14:35:57 Instrument ID: LC812
Lims ID: 460-270167-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

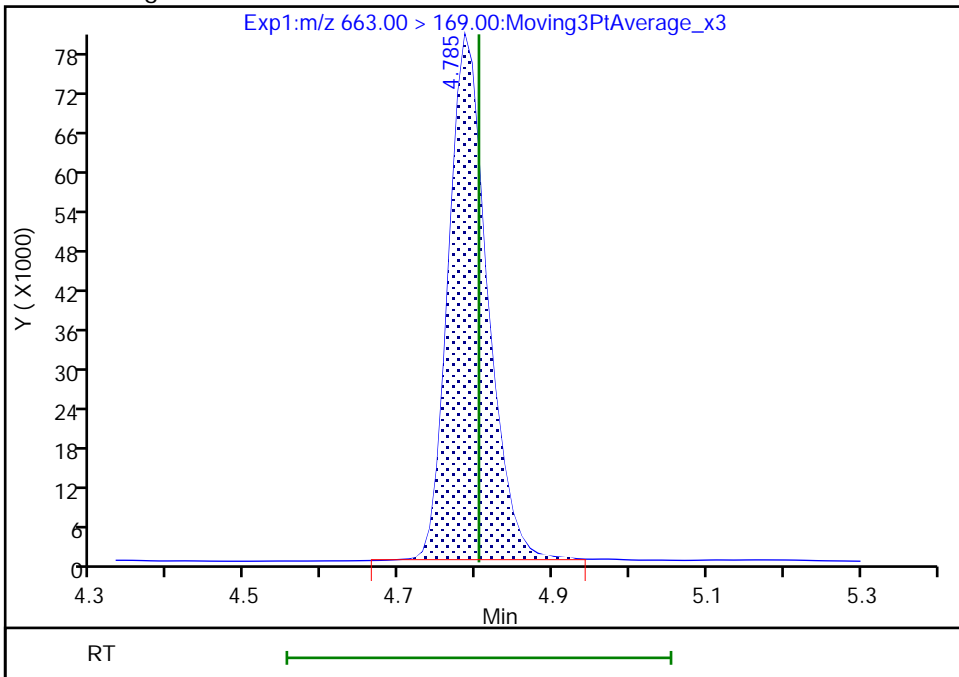
RT: 4.79
Area: 285431
Amount: 0.878679
Amount Units: ng/ml

Processing Integration Results



RT: 4.79
Area: 282138
Amount: 0.869898
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:08:14
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

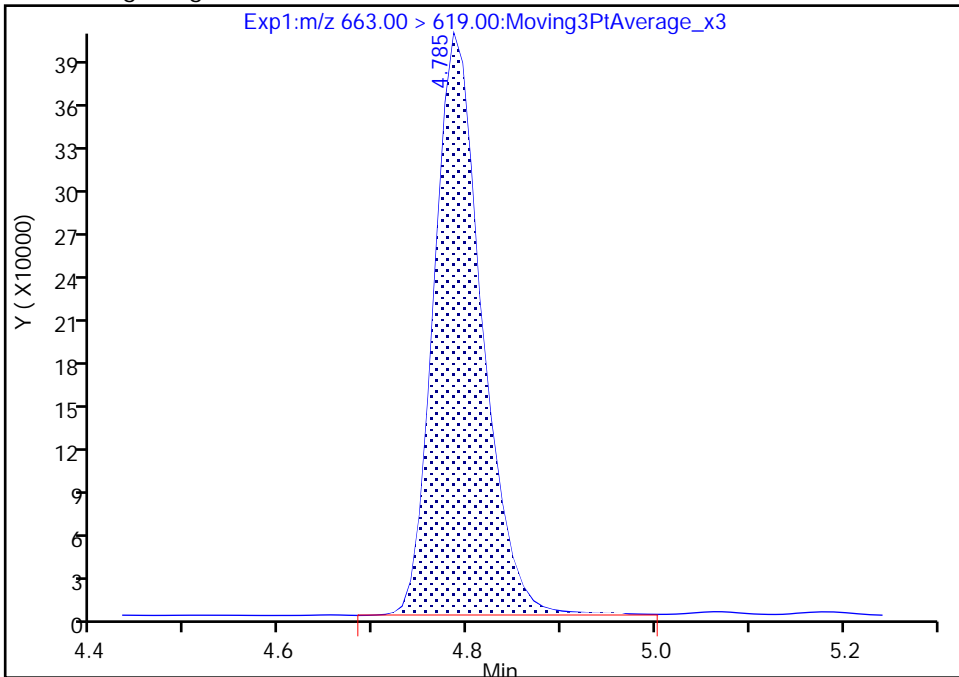
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A19.d
Injection Date: 02-Dec-2022 14:35:57 Instrument ID: LC812
Lims ID: 460-270167-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

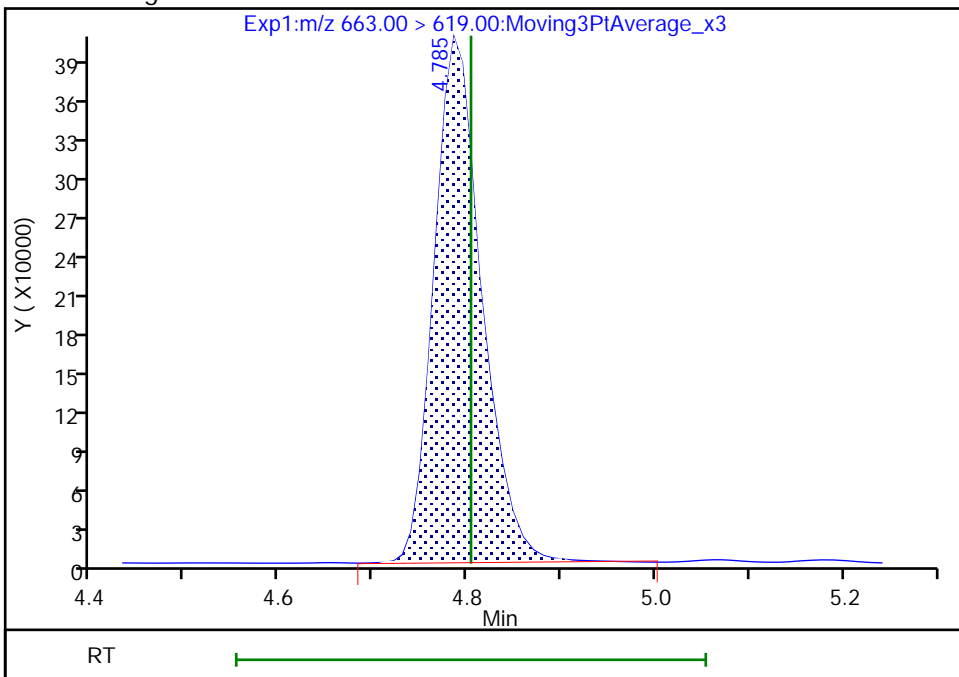
RT: 4.79
Area: 1451848
Amount: 0.878679
Amount Units: ng/ml

Processing Integration Results



RT: 4.79
Area: 1437339
Amount: 0.869898
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:08:18

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 897 of 939

Eurofins Burlington

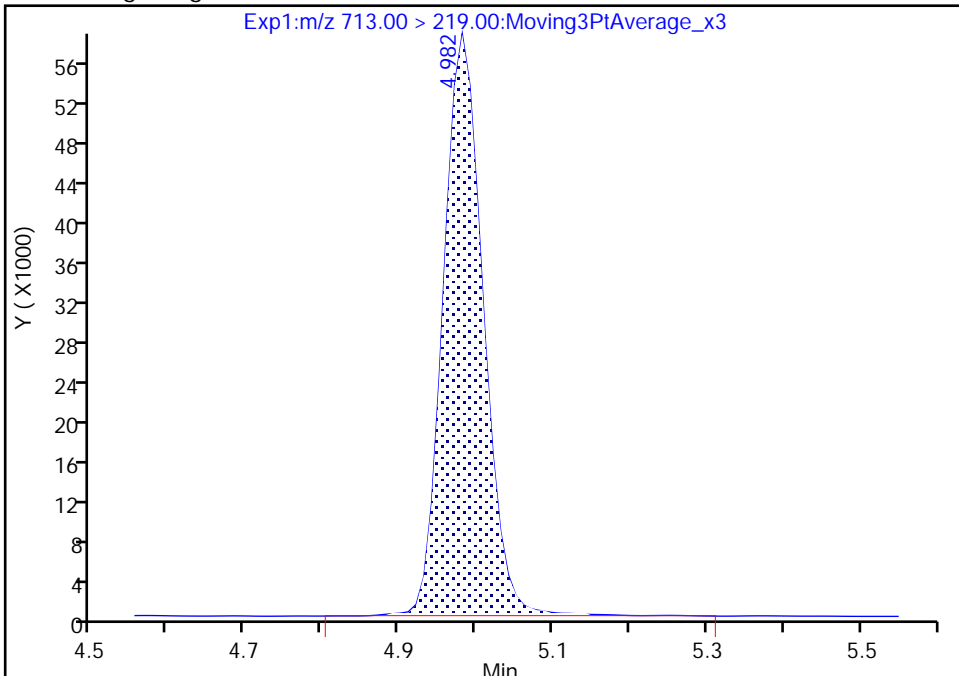
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A19.d
Injection Date: 02-Dec-2022 14:35:57 Instrument ID: LC812
Lims ID: 460-270167-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

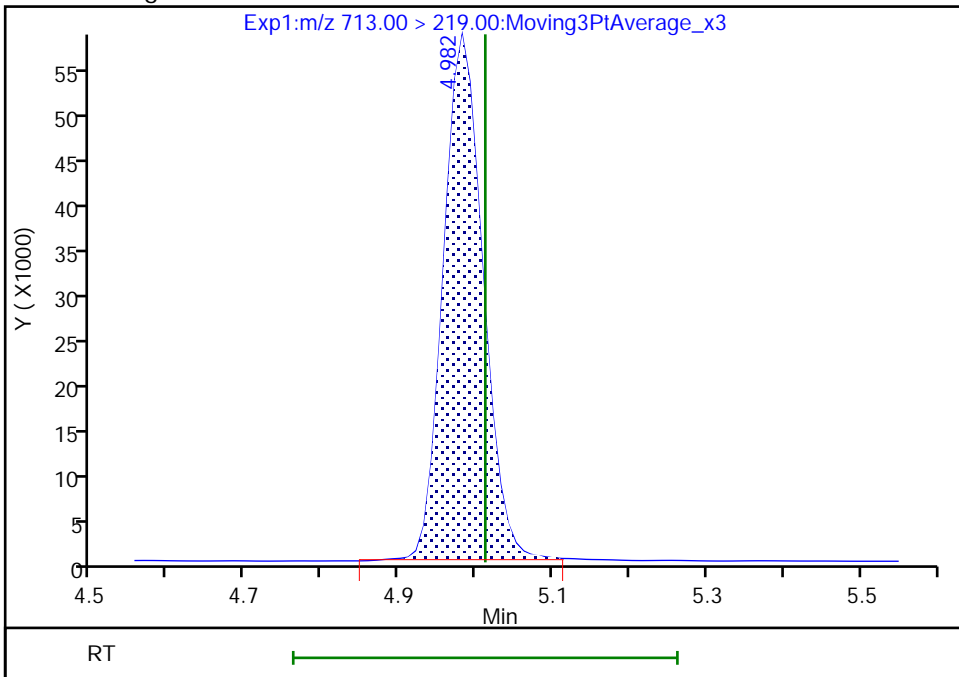
RT: 4.98
Area: 211647
Amount: 1.002710
Amount Units: ng/ml

Processing Integration Results



RT: 4.98
Area: 208141
Amount: 1.002710
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:08:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 898 of 939

Eurofins Burlington

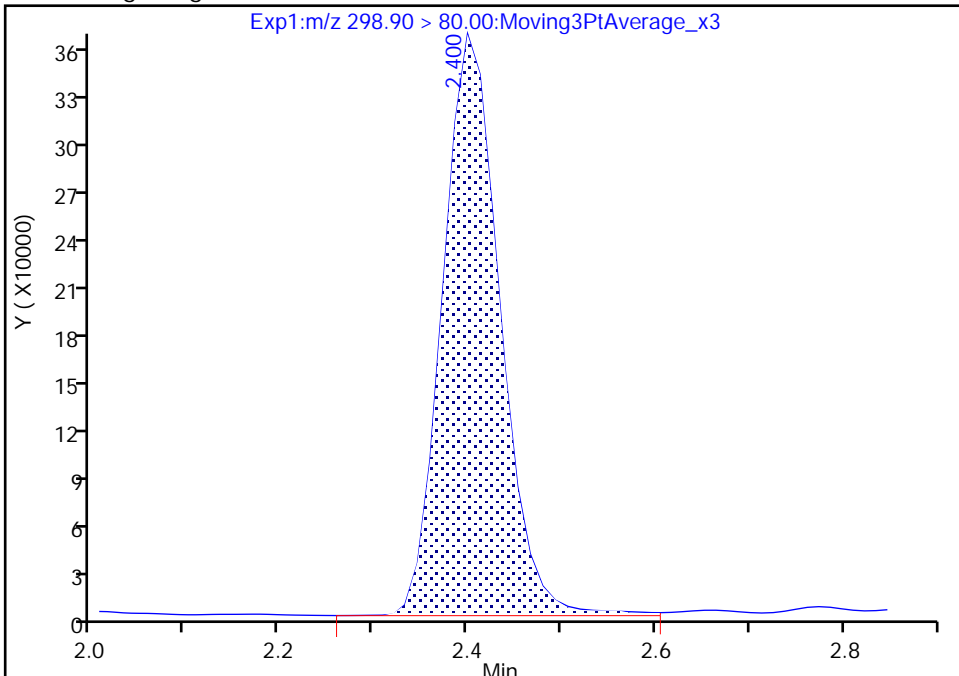
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A19.d
Injection Date: 02-Dec-2022 14:35:57 Instrument ID: LC812
Lims ID: 460-270167-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

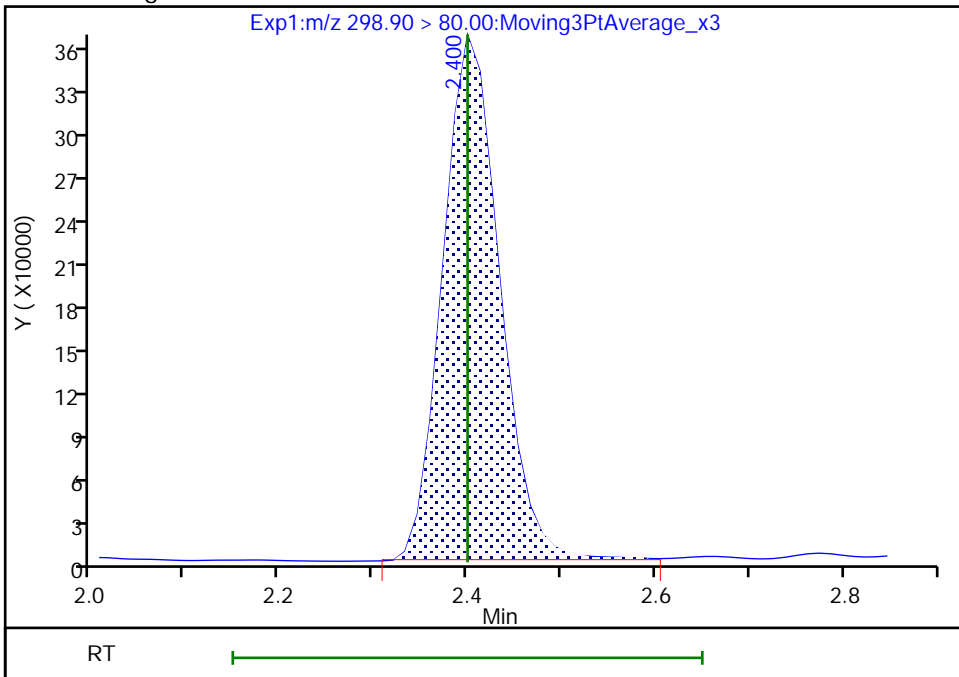
RT: 2.40
Area: 1570977
Amount: 0.864818
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 1546701
Amount: 0.851454
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:04:01
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

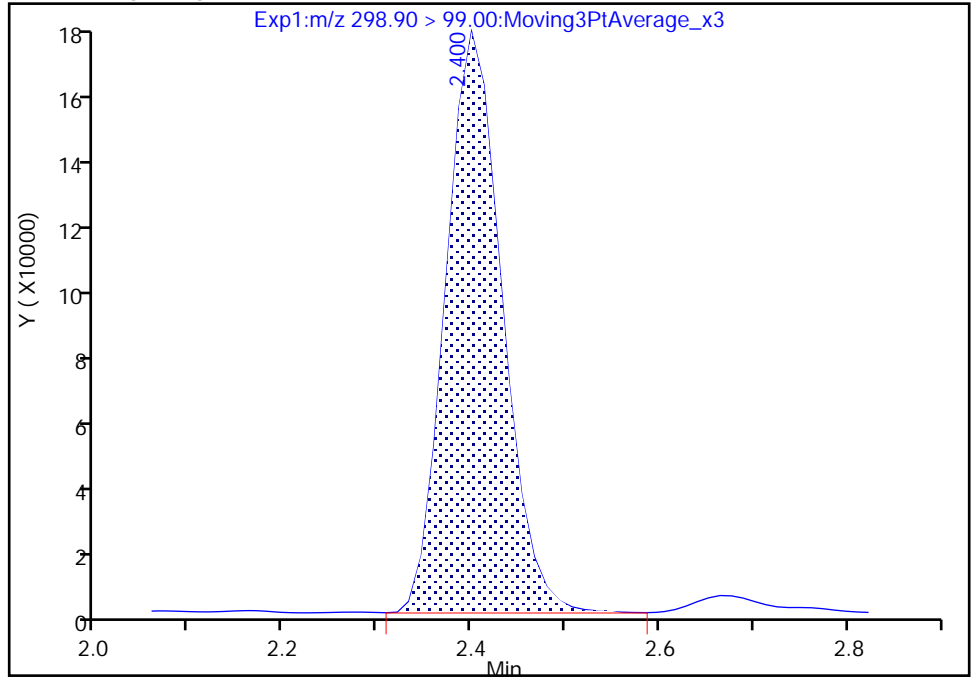
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A19.d
Injection Date: 02-Dec-2022 14:35:57 Instrument ID: LC812
Lims ID: 460-270167-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

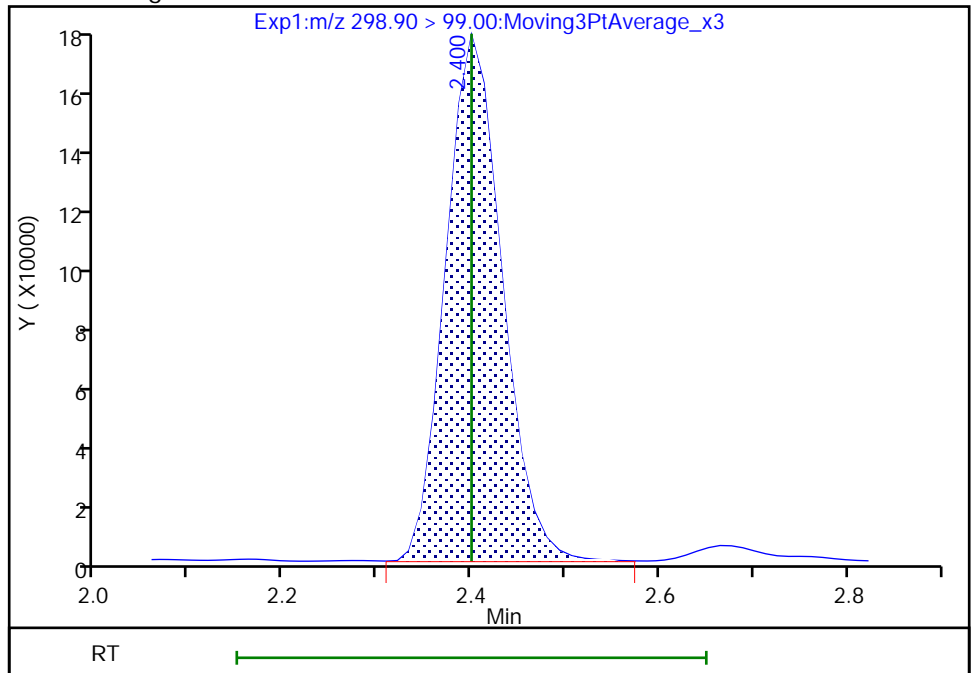
RT: 2.40
Area: 736290
Amount: 0.864818
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 731798
Amount: 0.851454
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:04:05

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

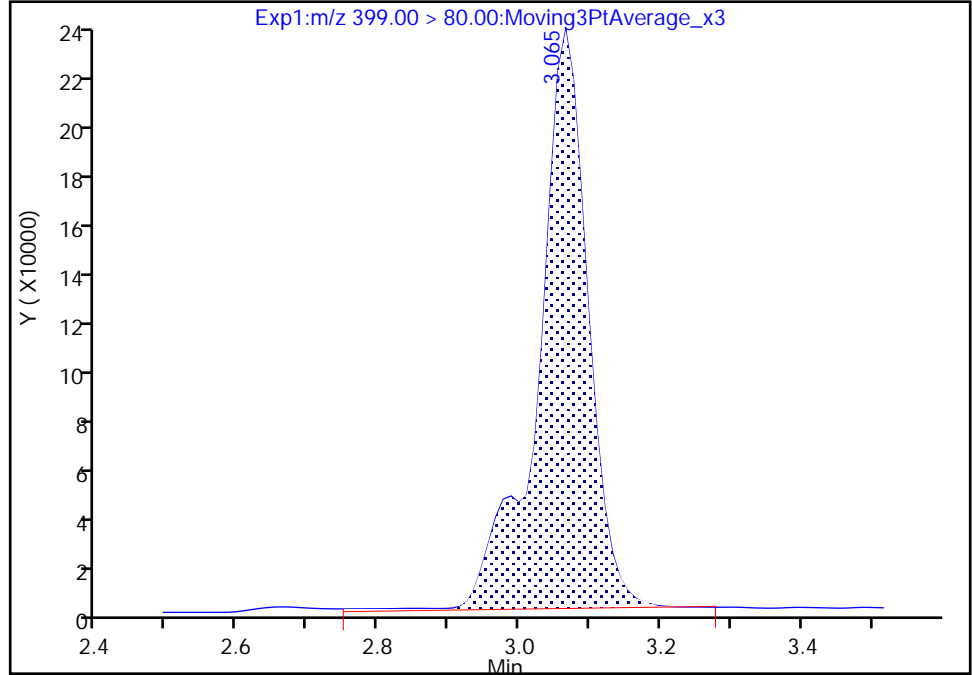
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A19.d
Injection Date: 02-Dec-2022 14:35:57 Instrument ID: LC812
Lims ID: 460-270167-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

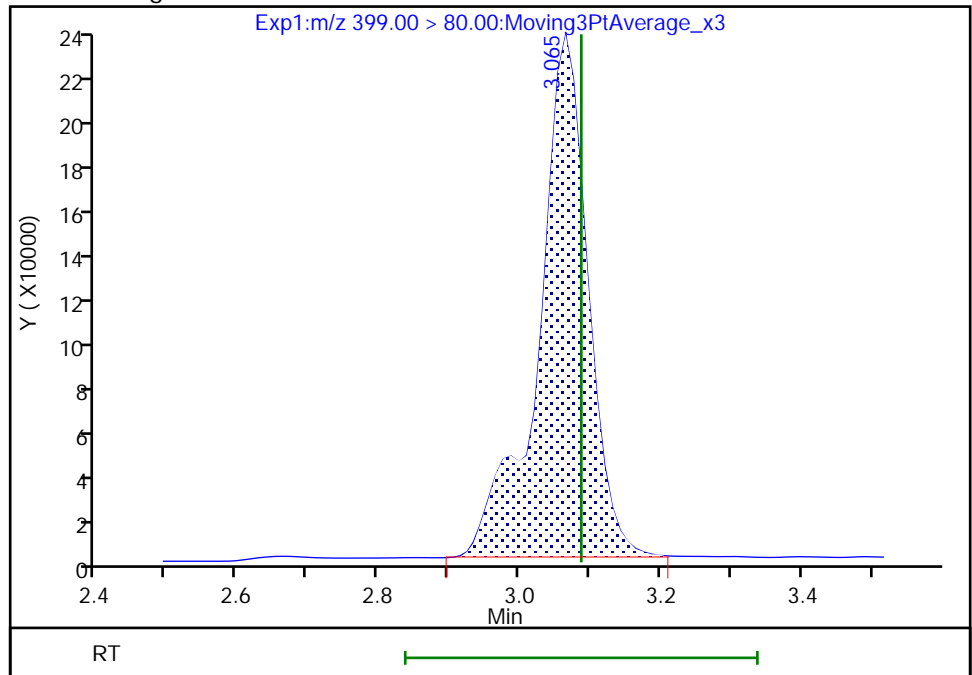
RT: 3.07
Area: 1172444
Amount: 0.917299
Amount Units: ng/ml

Processing Integration Results



RT: 3.07
Area: 1153648
Amount: 0.902593
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:04:44
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 901 of 939

Eurofins Burlington

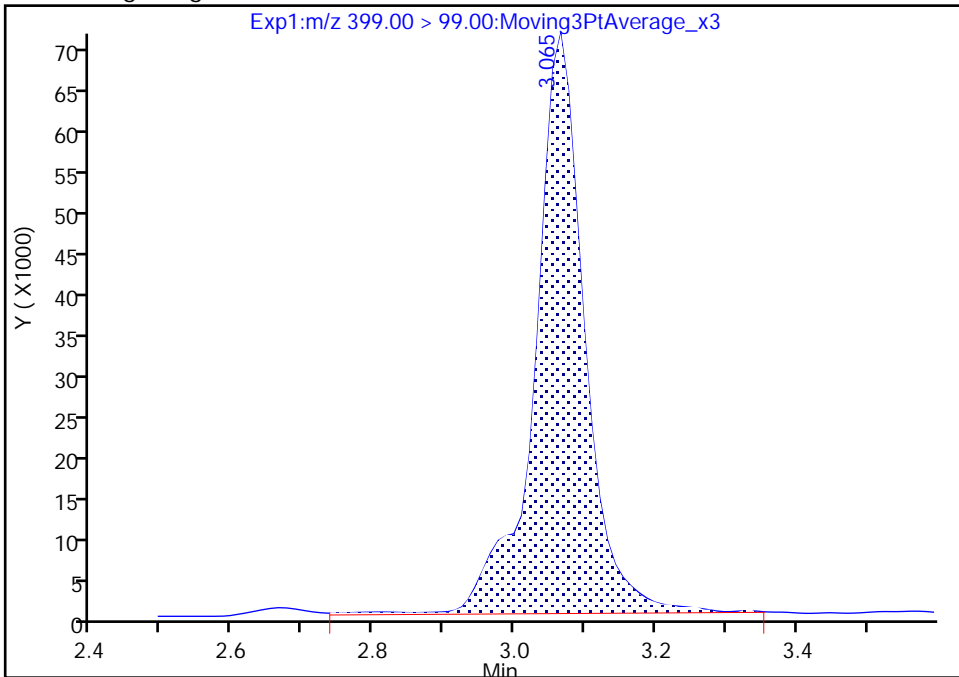
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A19.d
Injection Date: 02-Dec-2022 14:35:57 Instrument ID: LC812
Lims ID: 460-270167-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

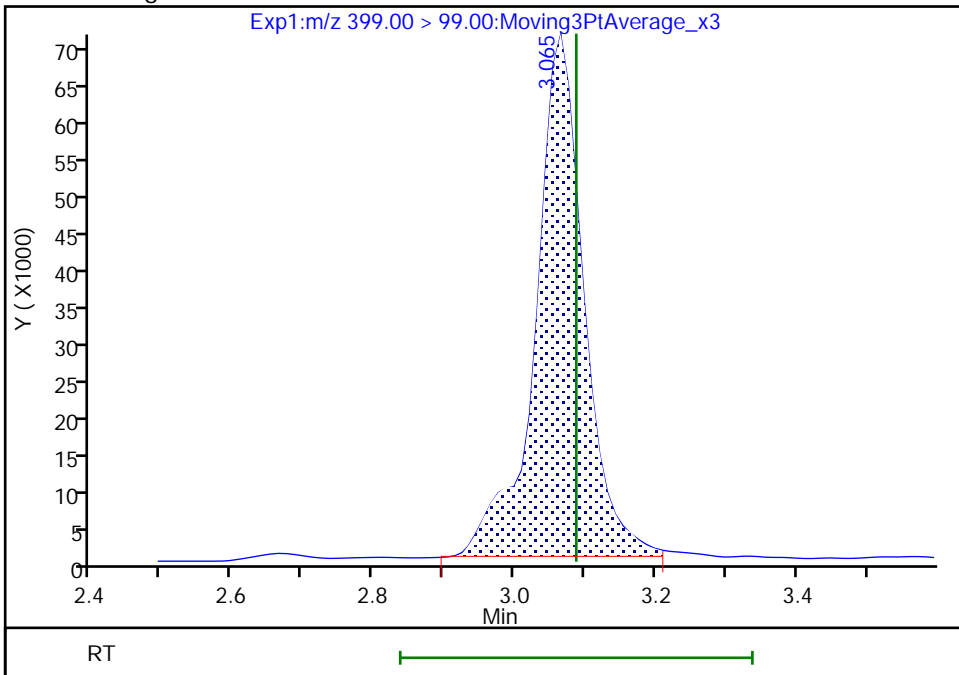
RT: 3.07
Area: 352694
Amount: 0.917299
Amount Units: ng/ml

Processing Integration Results



RT: 3.07
Area: 342924
Amount: 0.902593
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:04:49

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

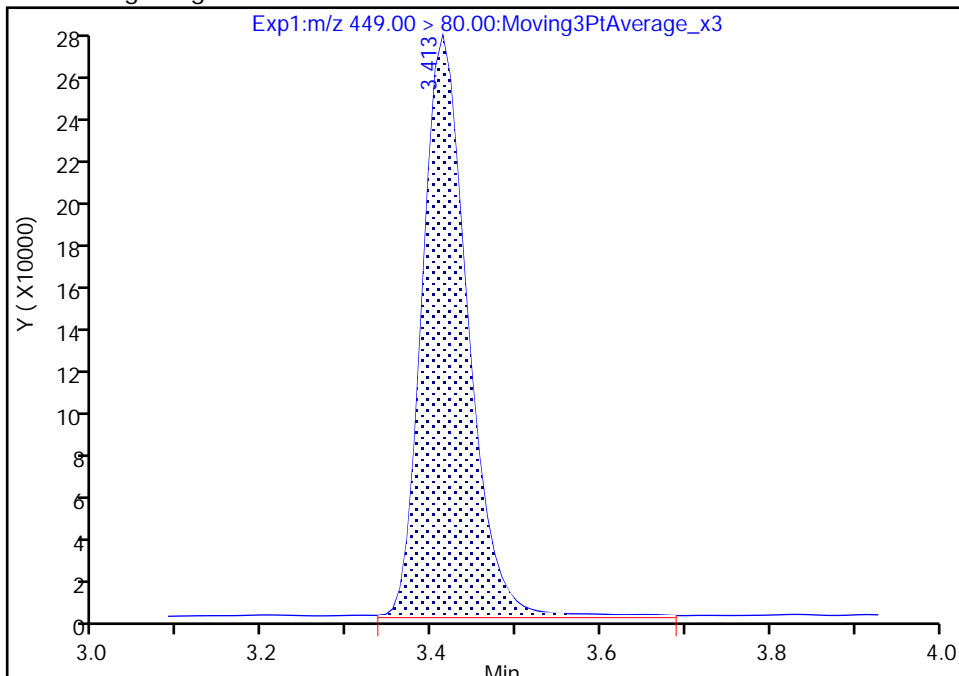
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A19.d
Injection Date: 02-Dec-2022 14:35:57 Instrument ID: LC812
Lims ID: 460-270167-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

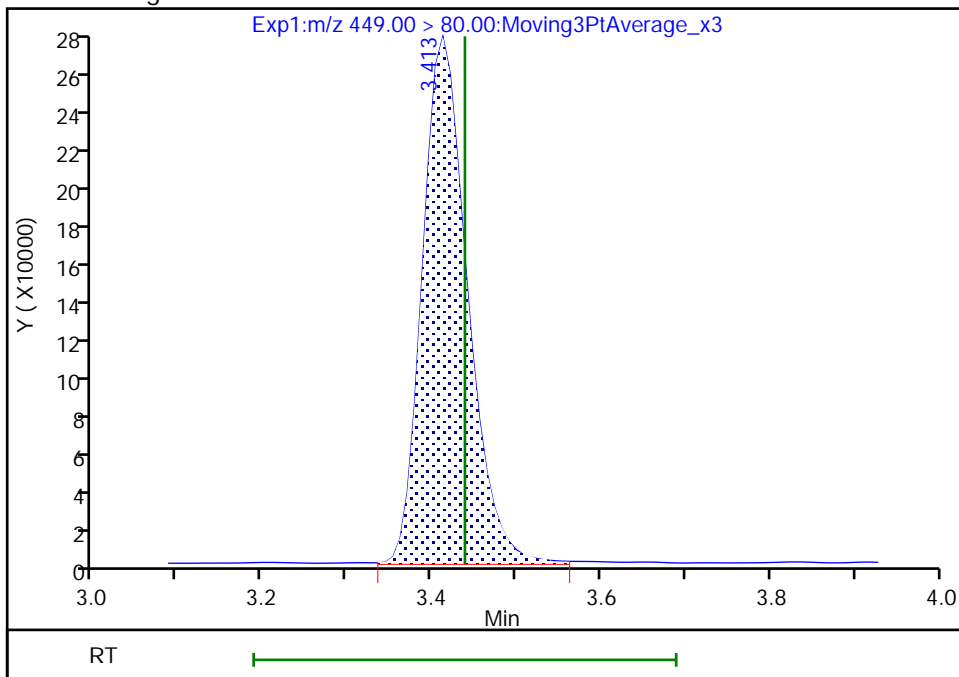
RT: 3.41
Area: 1058883
Amount: 1.032451
Amount Units: ng/ml

Processing Integration Results



RT: 3.41
Area: 1027798
Amount: 1.002142
Amount Units: ng/ml

Manual Integration Results



Reviewer: SJ4N, 05-Dec-2022 11:38:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

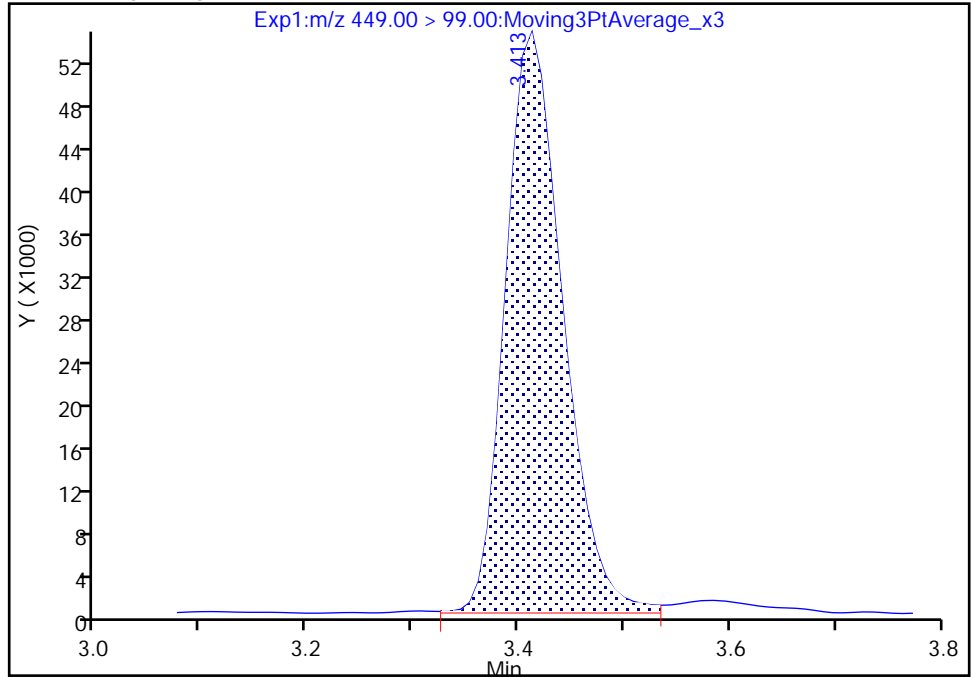
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A19.d
Injection Date: 02-Dec-2022 14:35:57 Instrument ID: LC812
Lims ID: 460-270167-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

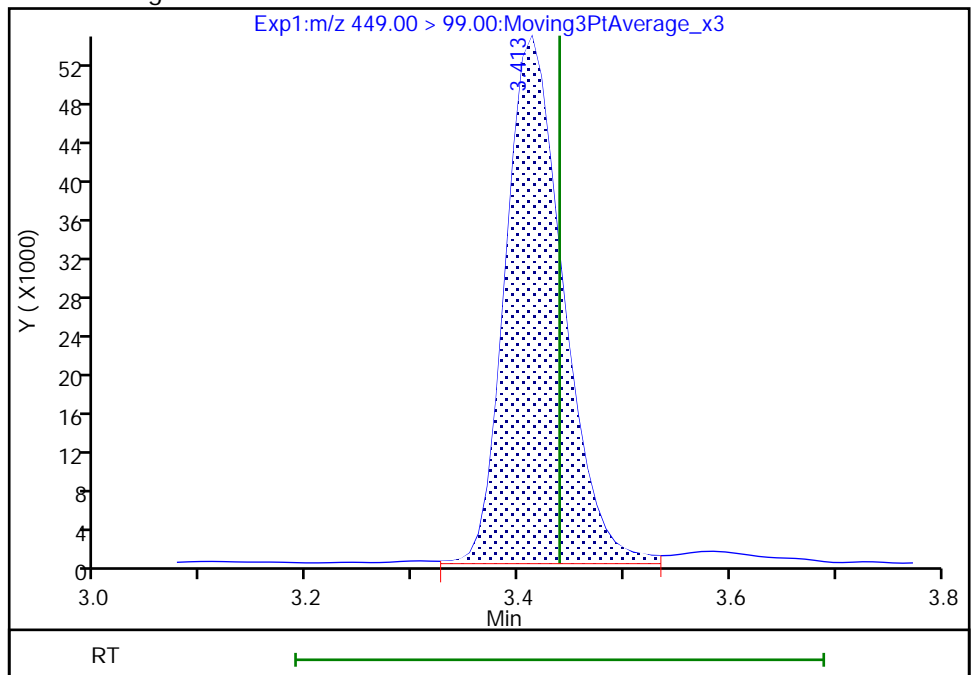
RT: 3.41
Area: 205768
Amount: 1.032451
Amount Units: ng/ml

Processing Integration Results



RT: 3.41
Area: 204698
Amount: 1.002142
Amount Units: ng/ml

Manual Integration Results



Reviewer: SJ4N, 05-Dec-2022 11:38:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

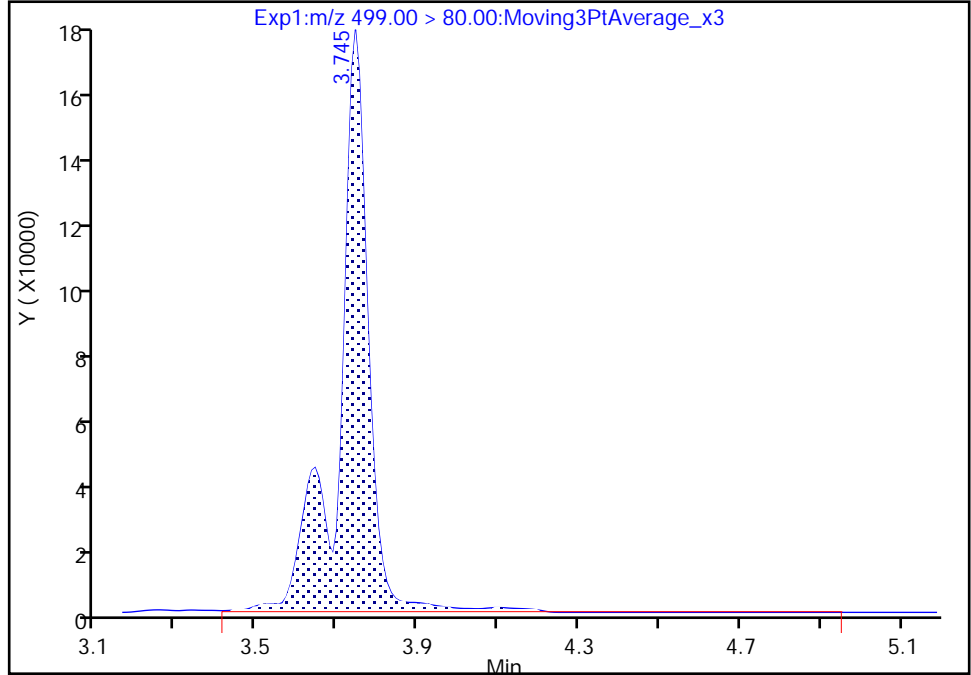
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A19.d
Injection Date: 02-Dec-2022 14:35:57 Instrument ID: LC812
Lims ID: 460-270167-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

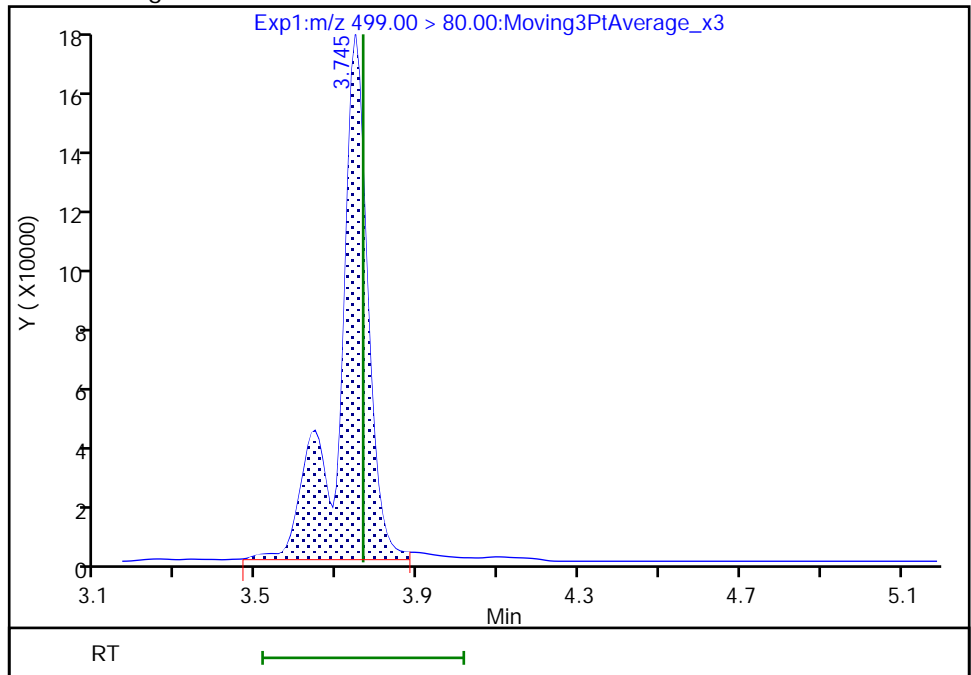
RT: 3.74
Area: 900669
Amount: 1.008584
Amount Units: ng/ml

Processing Integration Results



RT: 3.74
Area: 851348
Amount: 0.953354
Amount Units: ng/ml

Manual Integration Results



Reviewer: SJ4N, 05-Dec-2022 11:36:58
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

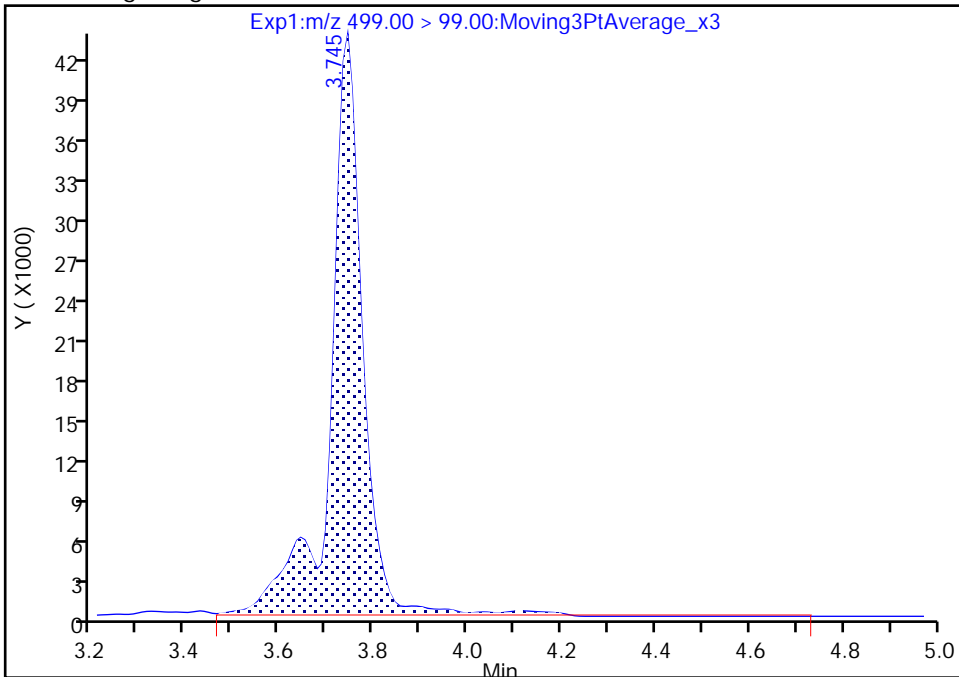
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A19.d
Injection Date: 02-Dec-2022 14:35:57 Instrument ID: LC812
Lims ID: 460-270167-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

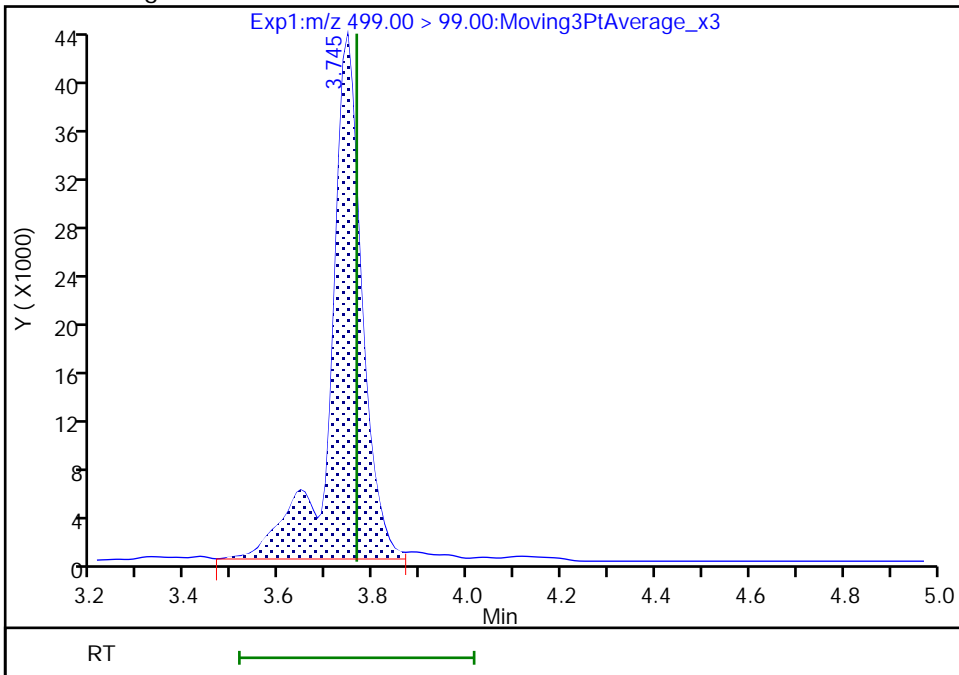
RT: 3.74
Area: 213915
Amount: 1.008584
Amount Units: ng/ml

Processing Integration Results



RT: 3.74
Area: 200679
Amount: 0.953354
Amount Units: ng/ml

Manual Integration Results



Reviewer: SJ4N, 05-Dec-2022 11:37:03

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

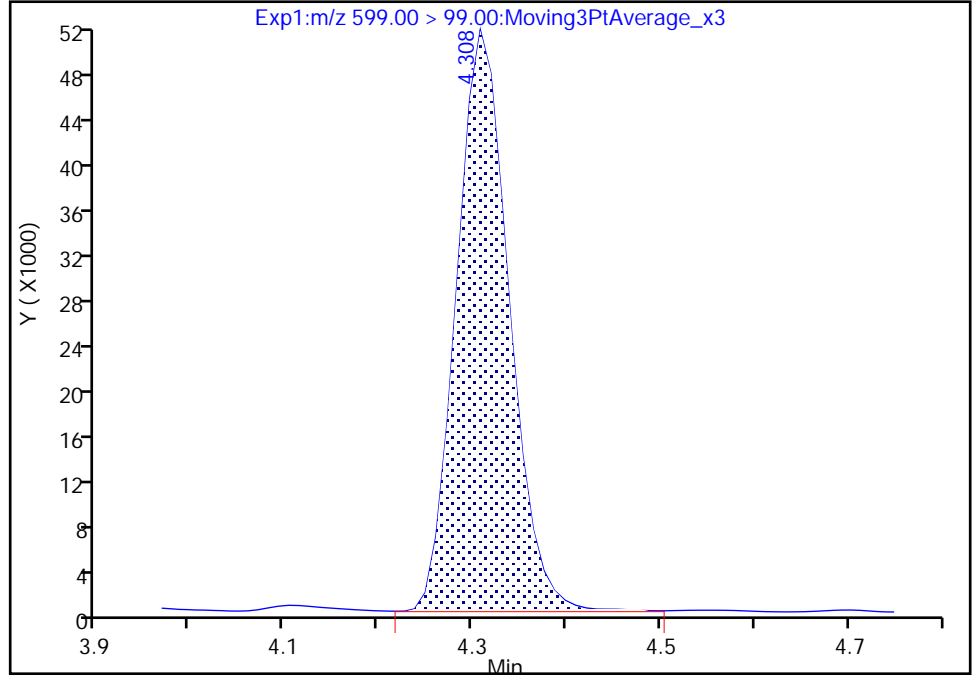
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A19.d
Injection Date: 02-Dec-2022 14:35:57 Instrument ID: LC812
Lims ID: 460-270167-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

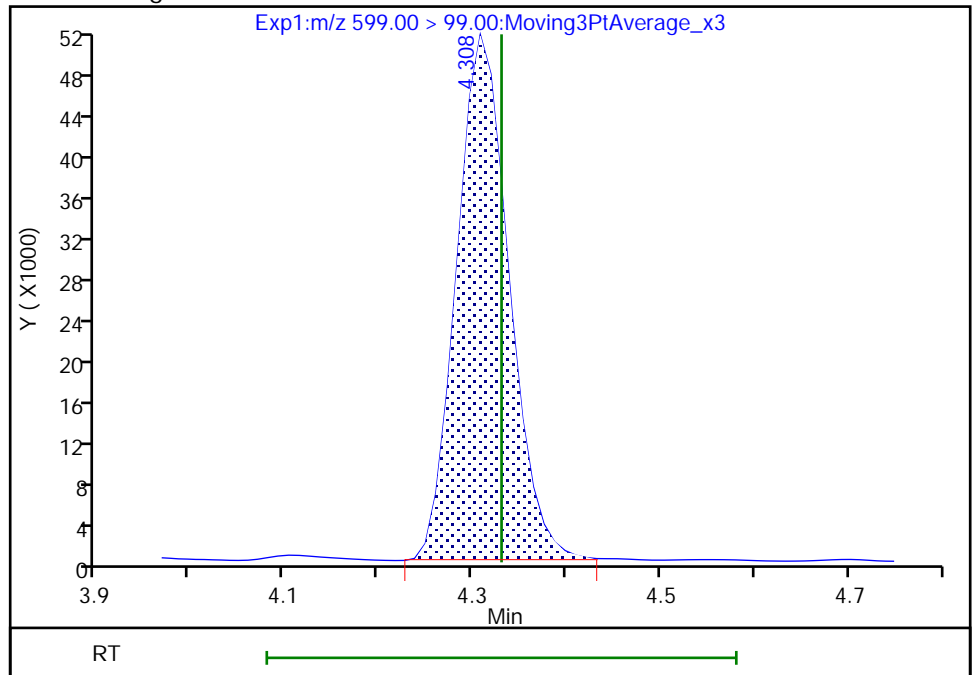
RT: 4.31
Area: 201975
Amount: 0.951656
Amount Units: ng/ml

Processing Integration Results



RT: 4.31
Area: 199445
Amount: 0.951656
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:07:23
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 907 of 939

Eurofins Burlington

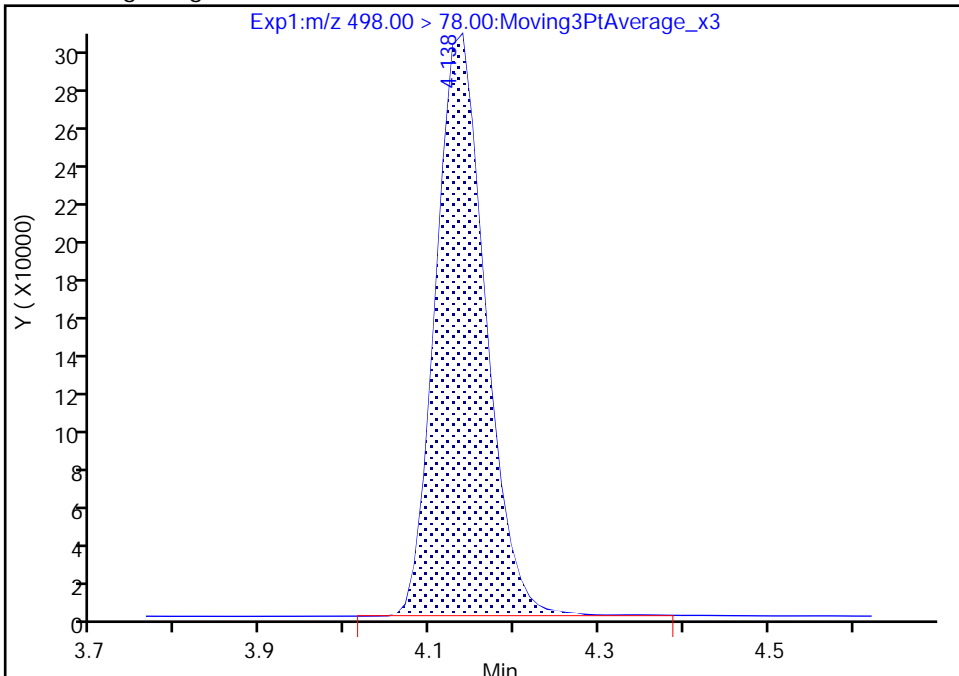
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A19.d
Injection Date: 02-Dec-2022 14:35:57 Instrument ID: LC812
Lims ID: 460-270167-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

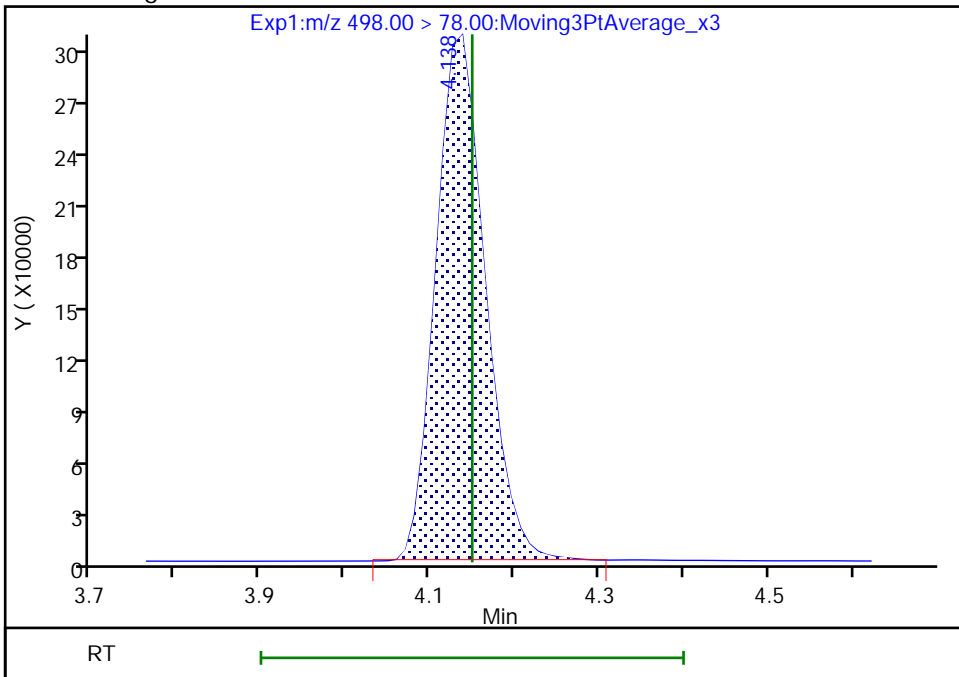
RT: 4.14
Area: 1261120
Amount: 1.003128
Amount Units: ng/ml

Processing Integration Results



RT: 4.14
Area: 1257937
Amount: 1.000596
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:07:03
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 908 of 939

Eurofins Burlington

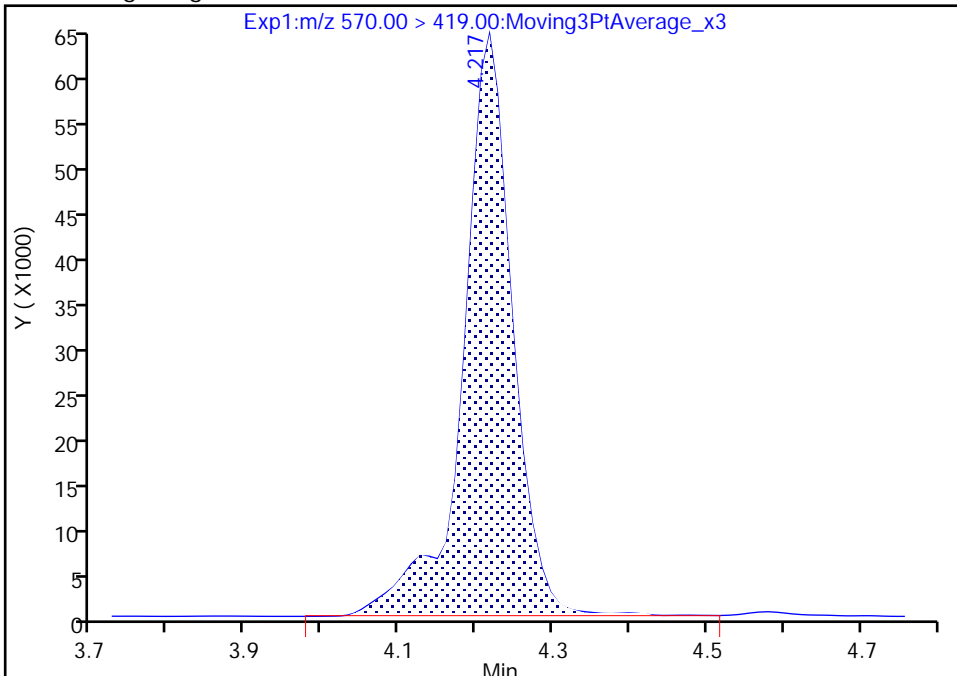
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A19.d
Injection Date: 02-Dec-2022 14:35:57 Instrument ID: LC812
Lims ID: 460-270167-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

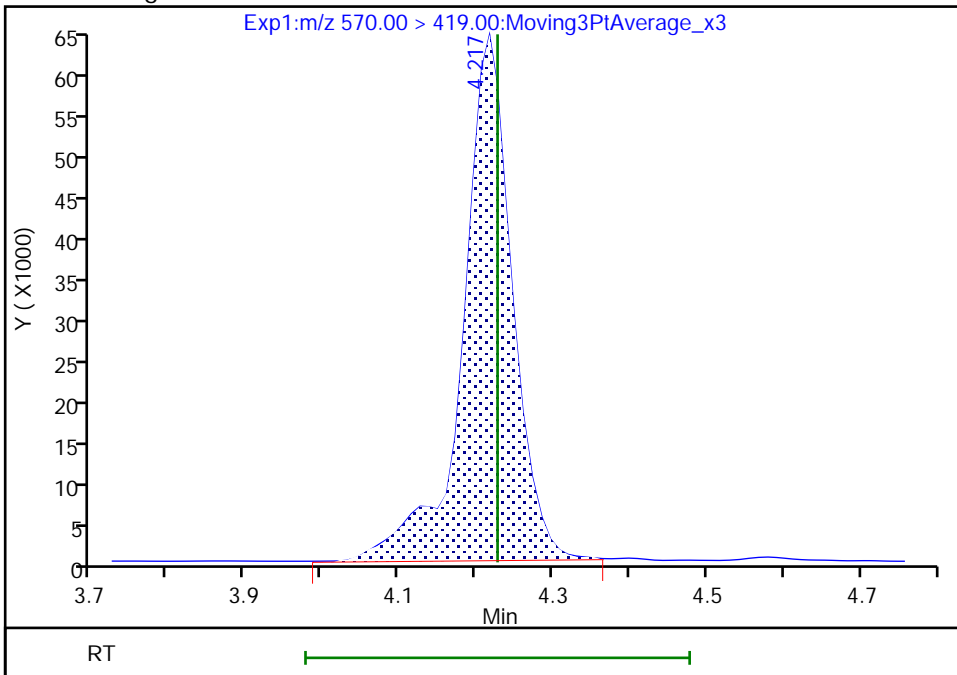
RT: 4.22
Area: 289057
Amount: 1.097643
Amount Units: ng/ml

Processing Integration Results



RT: 4.22
Area: 286854
Amount: 1.089189
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:07:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 909 of 939

Eurofins Burlington

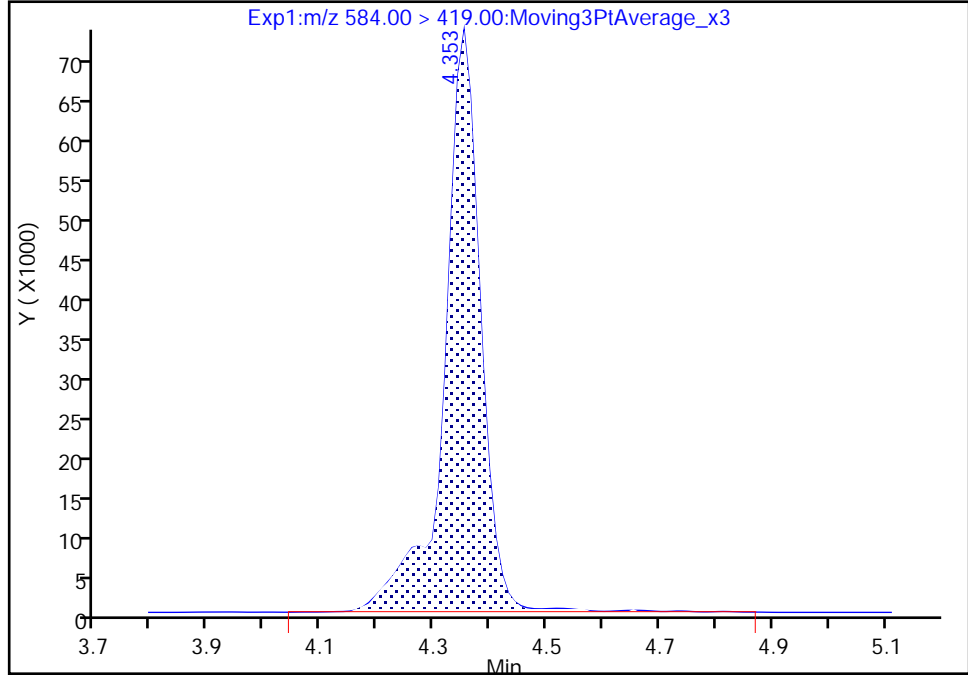
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A19.d
Injection Date: 02-Dec-2022 14:35:57 Instrument ID: LC812
Lims ID: 460-270167-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

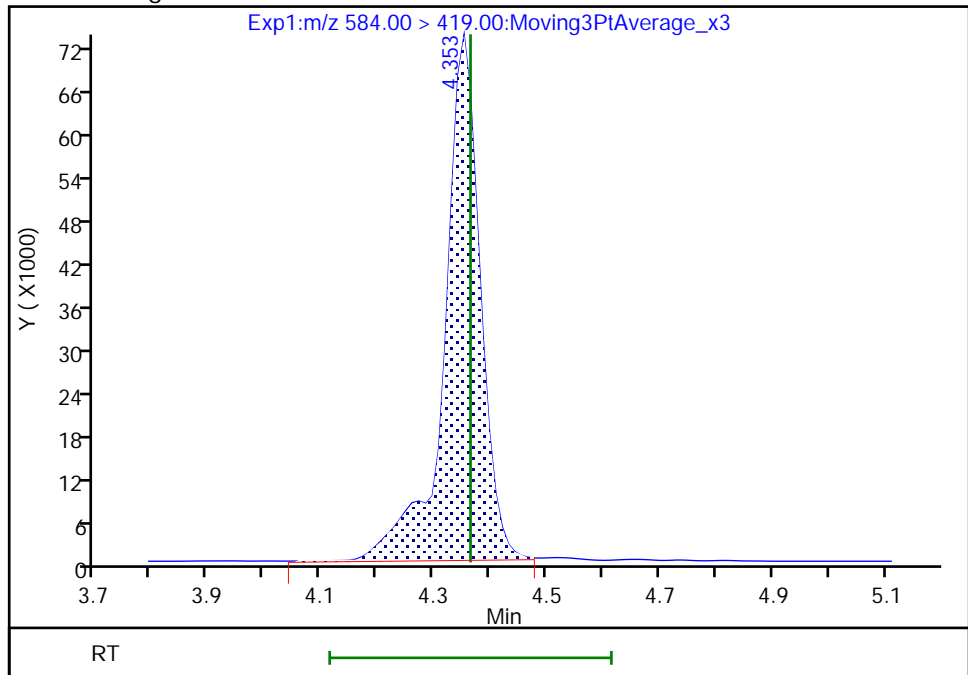
RT: 4.35
Area: 331299
Amount: 0.986171
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 325842
Amount: 0.969927
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:07:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 910 of 939

Eurofins Burlington

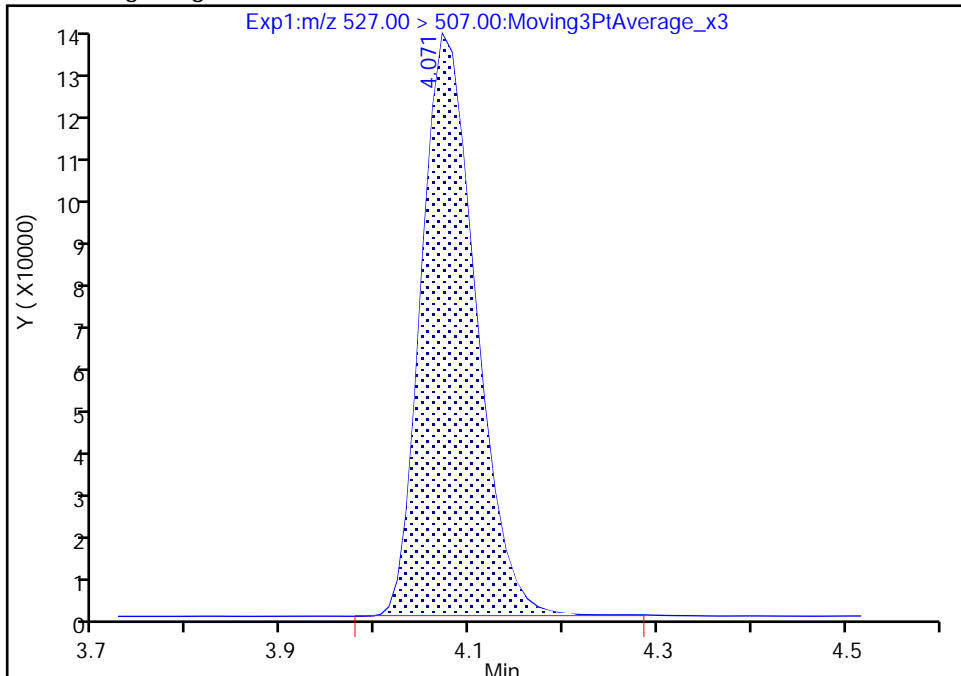
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A19.d
Injection Date: 02-Dec-2022 14:35:57 Instrument ID: LC812
Lims ID: 460-270167-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

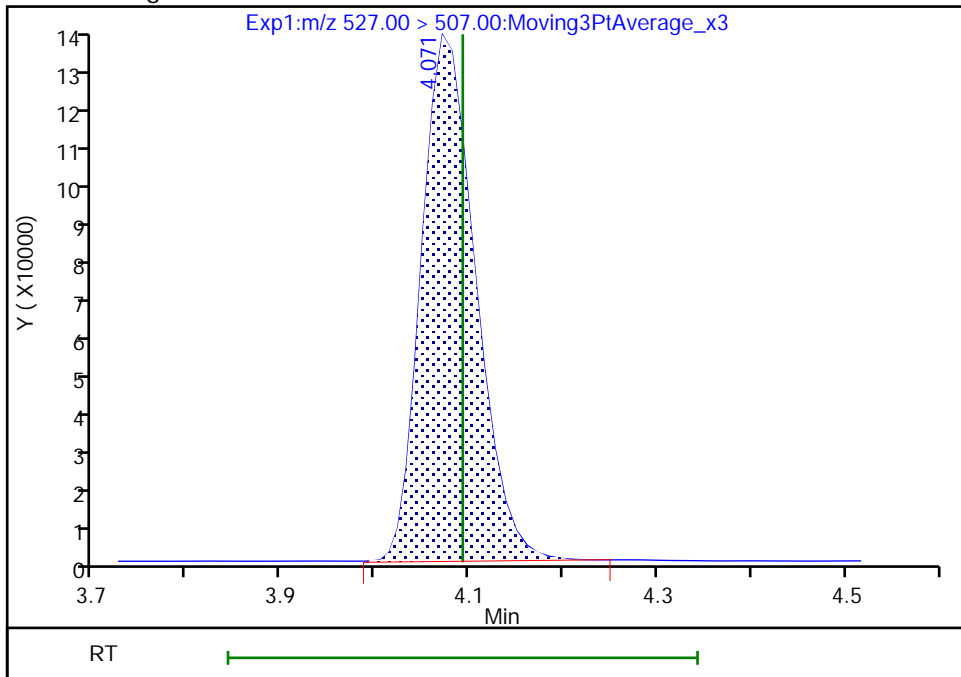
RT: 4.07
Area: 547507
Amount: 0.985136
Amount Units: ng/ml

Processing Integration Results



RT: 4.07
Area: 546990
Amount: 0.984205
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:06:58
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 911 of 939

Eurofins Burlington

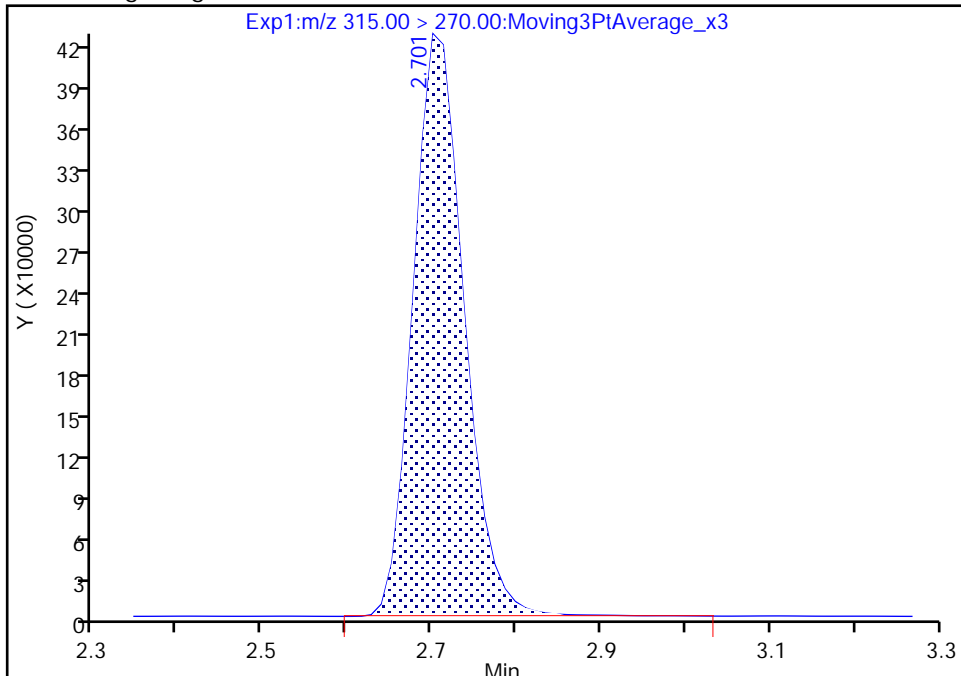
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A19.d
Injection Date: 02-Dec-2022 14:35:57 Instrument ID: LC812
Lims ID: 460-270167-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 7 13C2 PFHxA, CAS: STL00993

Signal: 1

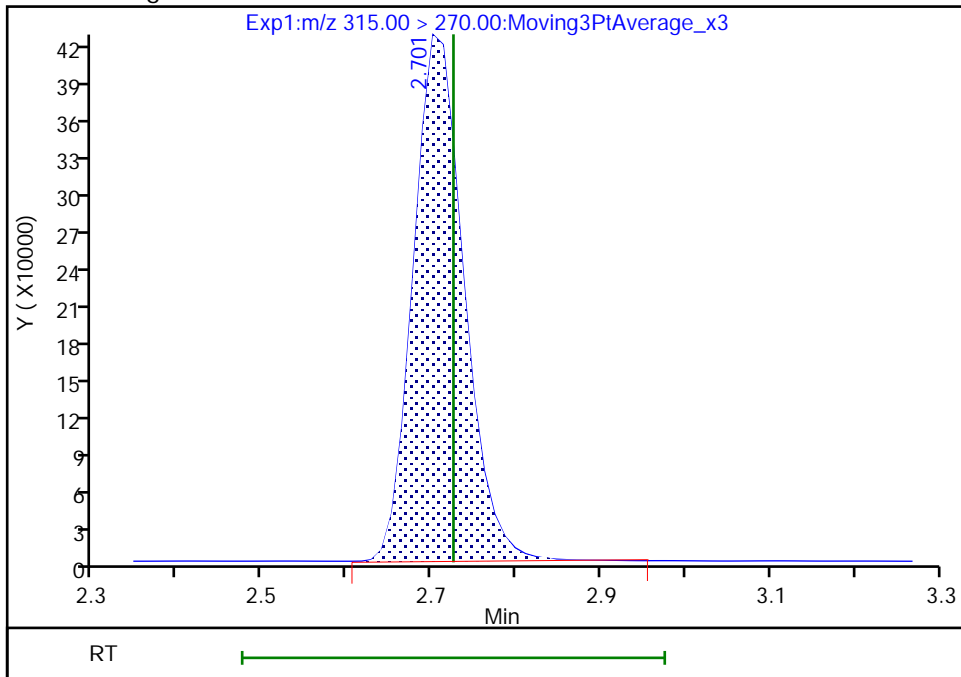
RT: 2.70
Area: 1780122
Amount: 1.030307
Amount Units: ng/ml

Processing Integration Results



RT: 2.70
Area: 1776095
Amount: 1.028918
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:03:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 912 of 939

Eurofins Burlington

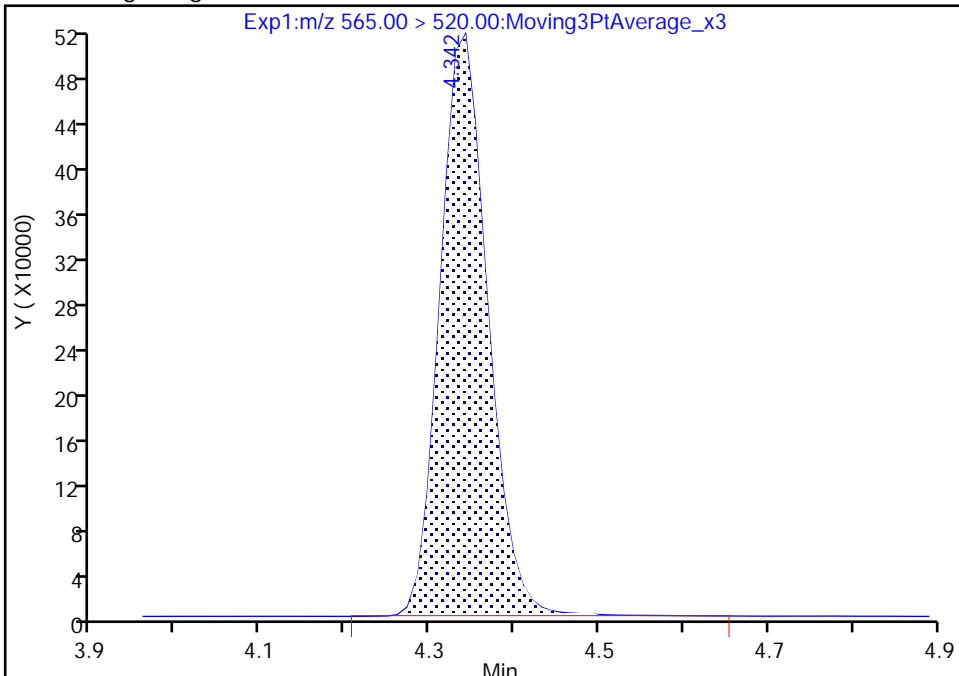
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A19.d
Injection Date: 02-Dec-2022 14:35:57 Instrument ID: LC812
Lims ID: 460-270167-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

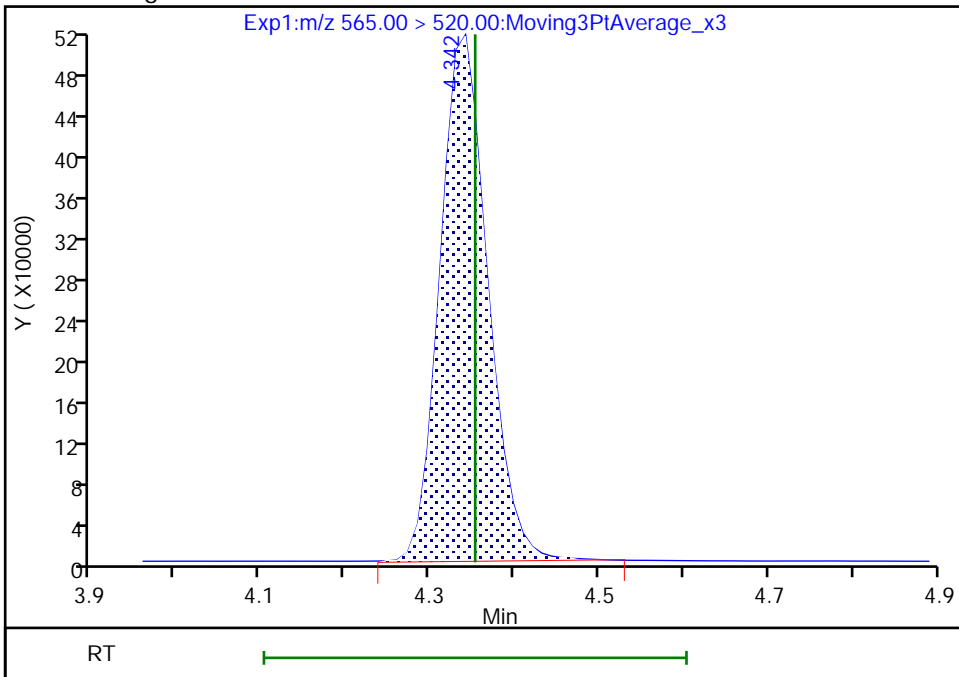
RT: 4.34
Area: 2028811
Amount: 1.119883
Amount Units: ng/ml

Processing Integration Results



RT: 4.34
Area: 2018460
Amount: 1.115190
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:03:32
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

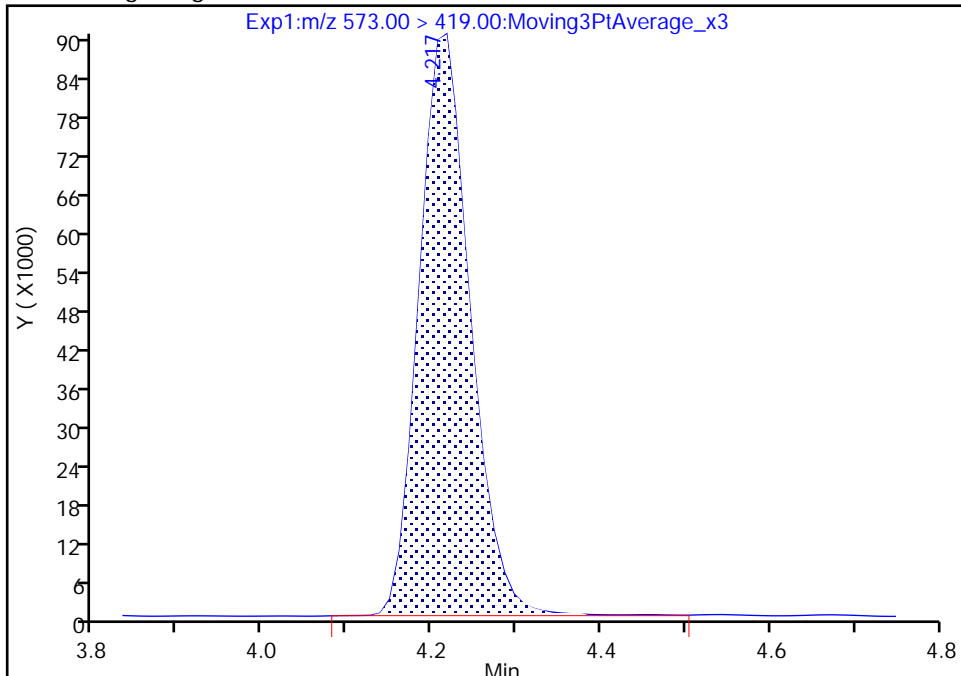
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A19.d
Injection Date: 02-Dec-2022 14:35:57 Instrument ID: LC812
Lims ID: 460-270167-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

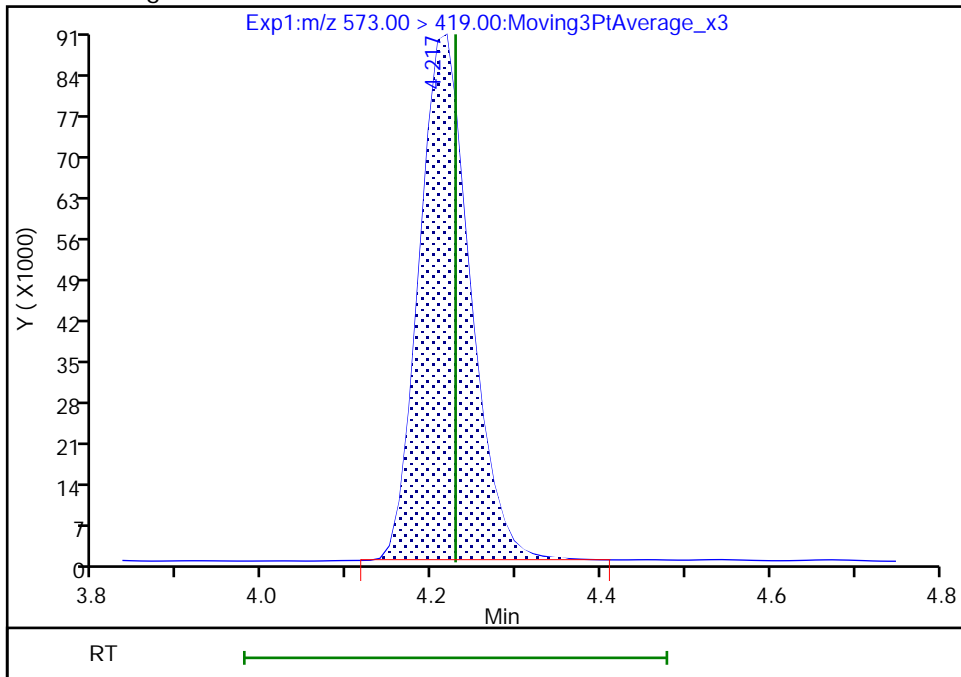
RT: 4.22
Area: 379994
Amount: 0.943326
Amount Units: ng/ml

Processing Integration Results



RT: 4.22
Area: 378647
Amount: 0.940843
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:03:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

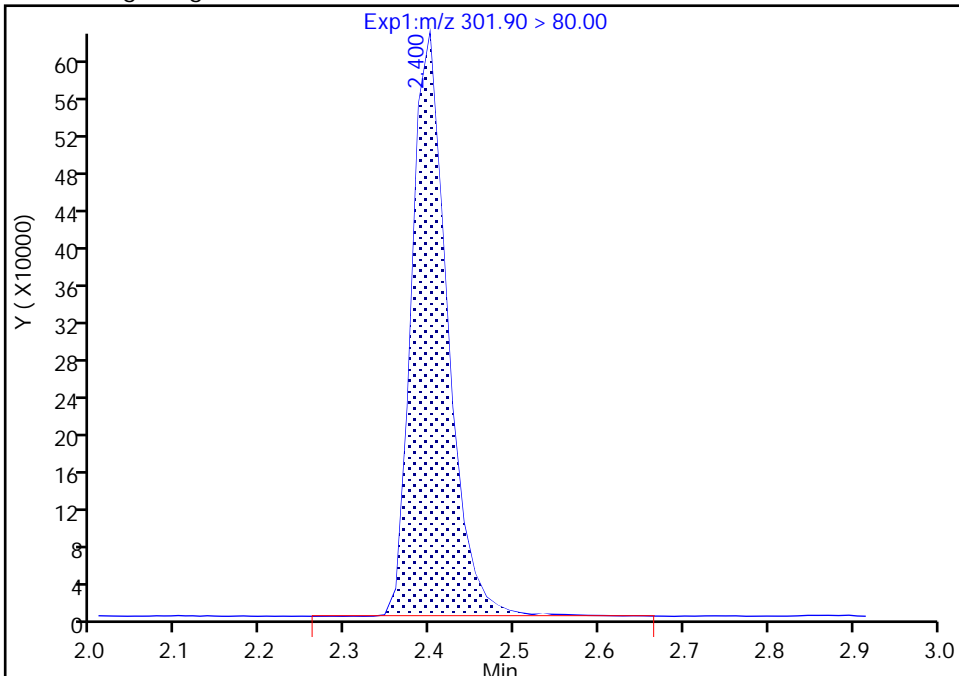
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A19.d
Injection Date: 02-Dec-2022 14:35:57 Instrument ID: LC812
Lims ID: 460-270167-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

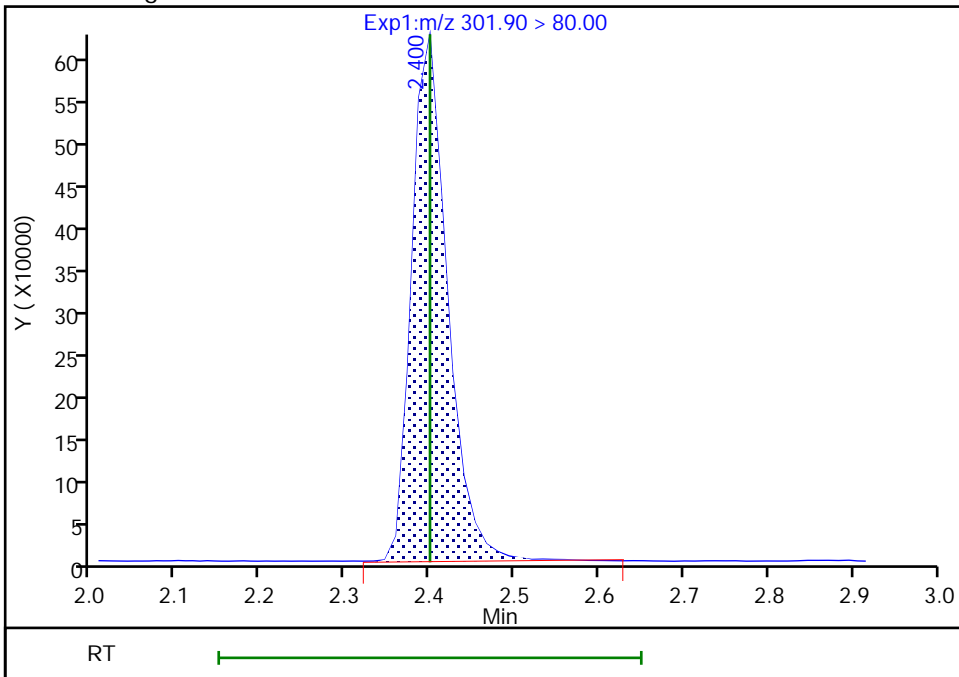
RT: 2.40
Area: 1849021
Amount: 1.032080
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 1845780
Amount: 1.031214
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

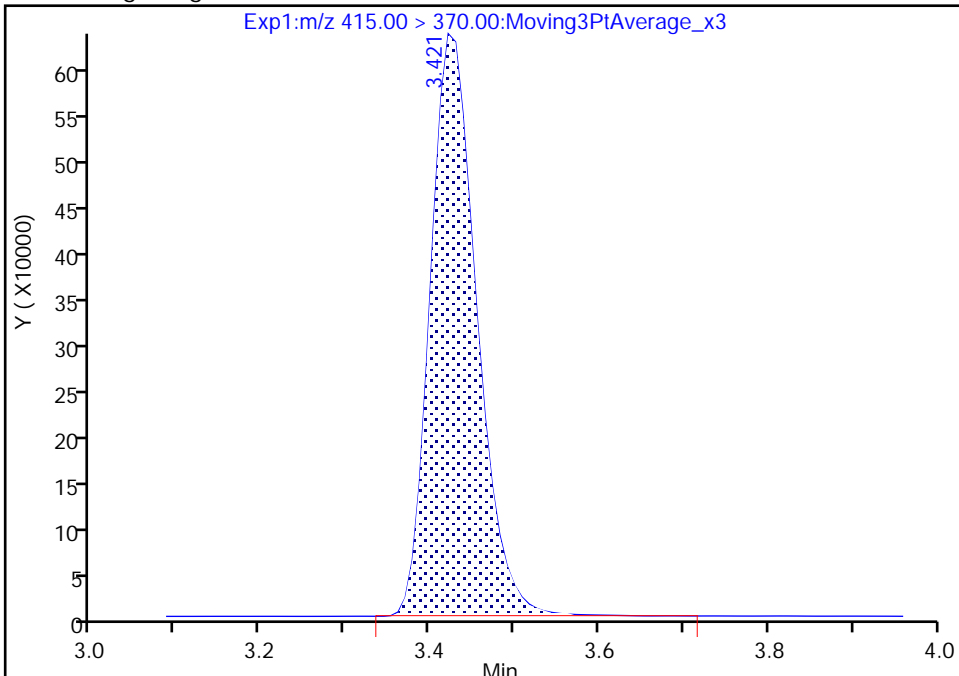
Data File: \\chromfs\Burlington\ChromData\LC812\20221202-53527.b\PA221202A19.d
Injection Date: 02-Dec-2022 14:35:57 Instrument ID: LC812
Lims ID: 460-270167-A-2-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

* 62 13C2 PFOA, CAS: STL00623

Signal: 1

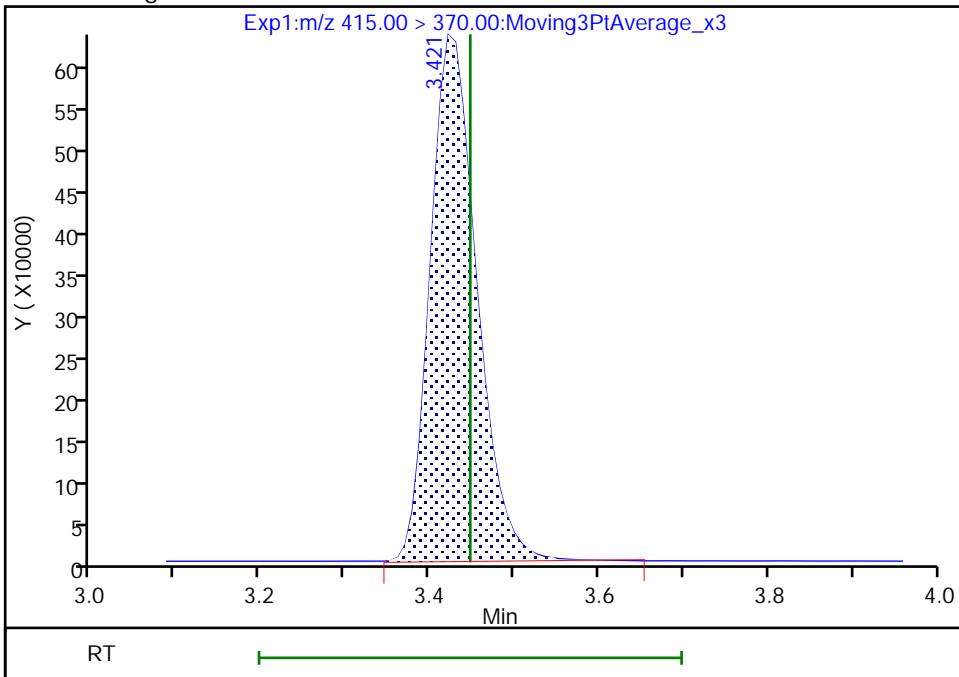
RT: 3.42
Area: 2412825
Amount: 1.250000
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 2410618
Amount: 1.250000
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Dec-2022 13:03:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Burlington Job No.: 460-270065-1

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.: 460-270065-1

SDG No.: _____

Instrument ID: LC812 Start Date: 12/02/2022 12:08

Analysis Batch Number: 186301 End Date: 12/02/2022 15:08

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/02/2022 12:08	1		C-18 4.6 (mm)
ZZZZZ		12/02/2022 12:16	1		C-18 4.6 (mm)
ZZZZZ		12/02/2022 12:25	1		C-18 4.6 (mm)
CCB 200-186301/4		12/02/2022 12:33	1	PA221202A04.d	C-18 4.6 (mm)
CCVLIS 200-186301/5		12/02/2022 12:41	1	PA221202A05.d	C-18 4.6 (mm)
ZZZZZ		12/02/2022 12:49	2		C-18 4.6 (mm)
ZZZZZ		12/02/2022 12:57	1		C-18 4.6 (mm)
ZZZZZ		12/02/2022 13:05	5		C-18 4.6 (mm)
CCV 200-186301/9		12/02/2022 13:14	1	PA221202A09.d	C-18 4.6 (mm)
MB 200-186249/1-A		12/02/2022 13:22	1	PA221202A10.d	C-18 4.6 (mm)
LCS 200-186249/2-A		12/02/2022 13:30	1	PA221202A11.d	C-18 4.6 (mm)
ZZZZZ		12/02/2022 13:38	1		C-18 4.6 (mm)
ZZZZZ		12/02/2022 13:46	1		C-18 4.6 (mm)
460-270065-1	BCS-09-18_(11-11.5) P	12/02/2022 13:55	1	PA221202A14.d	C-18 4.6 (mm)
460-270065-2	BCS-09-19_(11-11.5) P	12/02/2022 14:03	1	PA221202A15.d	C-18 4.6 (mm)
ZZZZZ		12/02/2022 14:11	1		C-18 4.6 (mm)
ZZZZZ		12/02/2022 14:19	1		C-18 4.6 (mm)
460-270167-A-2-B MS		12/02/2022 14:27	1	PA221202A18.d	C-18 4.6 (mm)
460-270167-A-2-C MSD		12/02/2022 14:35	1	PA221202A19.d	C-18 4.6 (mm)
ZZZZZ		12/02/2022 14:44	1		C-18 4.6 (mm)
ZZZZZ		12/02/2022 14:52	1		C-18 4.6 (mm)
ZZZZZ		12/02/2022 15:00	1		C-18 4.6 (mm)
CCV 200-186301/23		12/02/2022 15:08	1	PA221202A23.d	C-18 4.6 (mm)

PFAS BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-270065-1

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.: 460-270065-1

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.: 460-270065-1

SDG No.: _____

Batch Number: 186249 Batch Start Date: 12/01/22 09:15 Batch Analyst: Wisniewski, Kurtis F

Batch Method: SHAKE Batch End Date: 12/01/22 16:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	LCPFC32MTXStk 00048	LCPFIDA21_spk 00008	PFAS21 IS Stk 00048	
MB 200-186249/1		SHAKE, 537 (modified)		5.00 g	10 mL		100 uL	100 uL	
LCS 200-186249/2		SHAKE, 537 (modified)		5.00 g	10 mL	25 uL	100 uL	100 uL	
460-270065-A-1	BCS-09-18_(11-11 .5)P	SHAKE, 537 (modified)	T	5.18 g	10 mL		100 uL	100 uL	
460-270065-A-2	BCS-09-19_(11-11 .5)P	SHAKE, 537 (modified)	T	5.08 g	10 mL		100 uL	100 uL	
460-270167-A-2 MS		SHAKE, 537 (modified)	T	5.04 g	10 mL	25 uL	100 uL	100 uL	
460-270167-A-2 MSD		SHAKE, 537 (modified)	T	5.07 g	10 mL	25 uL	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.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-270065-1

SDG No.: _____

Batch Number: 186249 Batch Start Date: 12/01/22 09:15

Batch Analyst: Wisniewski, Kurtis F

Batch Method: SHAKE Batch End Date: 12/01/22 16:00

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	EK
Internal Standard ID	1677806
Analyst ID - Aliquot Step	KFW
Analyst ID - Final Volume Step	KFW
Sonication Start Time	12/01/2022 09:30
Sonication Stop Time	12/01/2022 12:30
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: 460-270065-1

SDG No.: _____

Project: Inwood - Lot 9

Client Sample ID	Lab Sample ID
<u>BCS-09-18_(11-11.5)P</u>	<u>460-270065-1</u>
<u>BCS-09-19_(11-11.5)P</u>	<u>460-270065-2</u>

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Burlington

Job Number: 460-270065-1

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: 460-270065-1

Batch: 186206
Method: Moisture

Analyst Initials: RWM
Instrument: No Equipment

Lab Sample ID: 460-270065-A-1

Analysis Date: Nov 30, 2022 16:32

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	88.348271446863	%

Lab Sample ID: 460-270065-A-1 DU

Analysis Date: Nov 30, 2022 16:32

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	87.651598676957	%

Lab Sample ID: 460-270065-A-2

Analysis Date: Nov 30, 2022 16:32

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	80.0524934383202	%

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-270065-1

SDG No.: _____

Batch Number: 186206 Batch Start Date: 11/30/22 16:32 Batch Analyst: McNabb, Robert W

Batch Method: Moisture Batch End Date: 12/01/22 10:24

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry	%_Moisture	%_Solid	
460-270065-A-1	BCS-09-18_(11-11) .5)P	Moisture	T	1.01 g	8.82 g	7.91 g	11.651728553137 %	88.348271446863 %	
460-270065-A-1 DU	BCS-09-18_(11-11) .5)P	Moisture	T	0.99 g	10.06 g	8.94 g	12.348401323043 %	87.651598676957 %	
460-270065-A-2	BCS-09-19_(11-11) .5)P	Moisture	T	0.98 g	8.60 g	7.08 g	19.947506561679 8 %	80.052493438320 2 %	

Batch Notes	
Balance ID	L92017
Oven ID	WC OVEN #2
Thermometer ID	328 (CF=0)
Date samples were placed in the oven	11/30/2022
Time samples were place in the oven	16:32
Temperature - Start - Uncorrected	108 Degrees C
Oven Temp In	108 Degrees C
Date samples were removed from oven	12/31/2022
Time Samples were removed from oven	09:34
Temperature - End - Uncorrected	108 Degrees C
Oven Temp Out	108 Degrees C
Date and Time Samples in Desiccator	12/01/2022 09:34
Date and Time Samples out of Desiccator	11/30/2022 09:49

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

Regulatory Program: DW NPDES RCRA Other:

Client Contact
 Company Name: Roux Associates
 Address: 209 Shafter St
 City/State/Zip: Escondido, CA
 Phone: _____
 Fax: _____
 Project Name: Divand Lot 9
 Site: _____
 P O #: 2477.008Y002

Project Manager: Valerie Subathra Site Contact: Jack Rusk Date: 11/21/22
 Tell/Email: vsbathra@roux.com Lab Contact: Alvin H... Carrier: _____
 Analysis Turnaround Time: _____
 CALENDAR DAYS WORKING DAYS
 TAT if different from Below _____
 2 weeks 5 day
 1 week _____
 2 days _____
 1 day _____

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-09-18-(11-11.5)P</u>	<u>11/21</u>	<u>1415</u>	<u>G</u>	<u>So</u>	<u>1</u>		<u>X</u>	<u>1</u>
<u>BCS-09-19-(11-11.5)P</u>	<u>11/21</u>	<u>1425</u>	<u>G</u>	<u>So</u>	<u>1</u>		<u>X</u>	<u>2</u>
SUB WORK								



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.: _____
 Company: Roux Date/Time: 11/21 1540
 Company: Roux Date/Time: _____
 Company: PA Date/Time: 11/21 2130
 Received by: Roux
 Received in Laboratory: PA
 Date/Time: 11/21/22 15:00
 Date/Time: 11/21/22 17:00
 Date/Time: 11/21/22 18:30

18/18 209

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 370065

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED	RAW	CORRECTED
Cooler #1:	<u>18</u> °C	<u>18</u> °C	Cooler #7:	°C
Cooler #2:	°C	°C	Cooler #8:	°C
Cooler #3:	°C	°C	Cooler #9:	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other

If pH adjustments are required record the information below:

Sample No(s), adjusted: _____
 Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____
 Lot # of Preservative(s): _____ Expiration Date: _____
 The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.
 Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

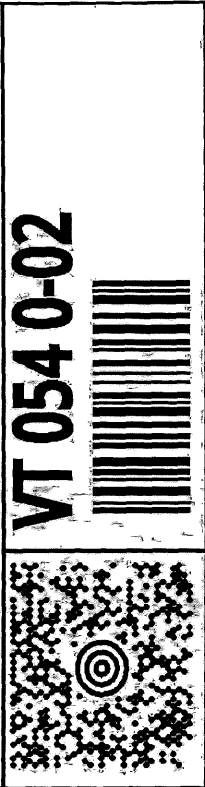
Initials: KL Date: 11/21/22

KENNETH RIVERA
9083615236
EUROFINS EDISON
777 NEW DURHAM ROAD
EDISON NJ 08817

40 LBS

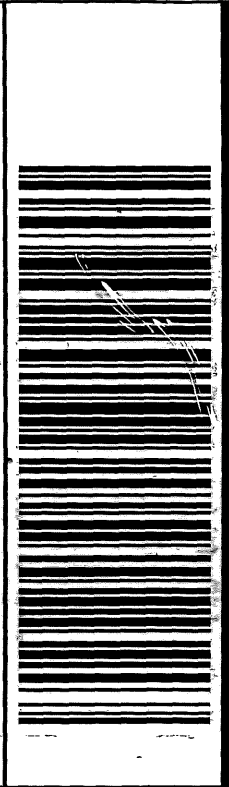
2 OF 3

SHIP TO:
SAMPLE RECEIVING
8026551203
EUROFINS BURLINGTON
530 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403



UPS NEXT DAY AIR EARLY 1+

TRACKING #: 1Z73R 91R 15 9623 7997



BILLING: P/P

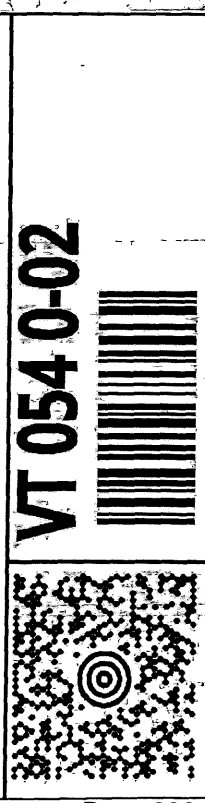
XOL2211.37 NV4549.0A 11/2022*

KENNETH RIVERA
9083615236
EUROFINS EDISON
777 NEW DURHAM ROAD
EDISON NJ 08817

47 LBS

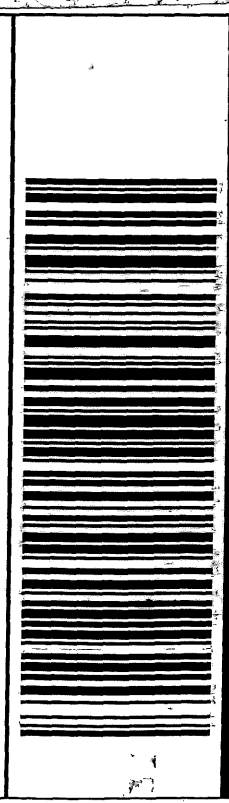
1 OF 3

SHIP TO:
SAMPLE RECEIVING
8026551203
EUROFINS BURLINGTON
530 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403



UPS NEXT DAY AIR EARLY 1+

TRACKING #: 1Z73R 91R 15 9787 6581



BILLING: P/P

XOL2211.37 NV4549.0A 11/2022*

KENNETH RIVERA,
9083615236
EUROFINS EDISON
777 NEW DURHAM ROAD
EDISON NJ 08817

19 LBS

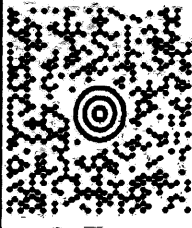
3 OF 3

SHIP TO:

SAMPLE RECEIVING
8026551203

EUROFINS BURLINGTON
530 COMMUNITY DRIVE

SOUTH BURLINGTON VT 05403

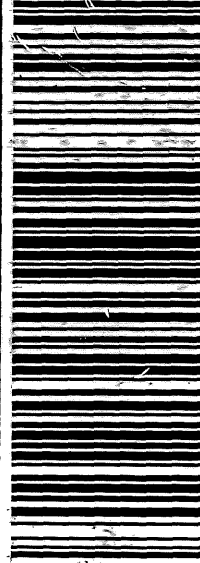


VT 054 0-02



UPS NEXT DAY AIR EARLY 1+

TRACKING #: 1Z 73R 91R 15 9976 0808



BILLING: P/P



XOL22311373 NV4549:0A:1/2022

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-270065-1

Login Number: 270065
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: 460-270065-1

Login Number: 270065
List Number: 2
Creator: Reynolds, Jamie K

List Source: Eurofins Burlington
List Creation: 11/29/22 10:01 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	1861377, 1378, 1379
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	0.5°C, 0.7°C, 12.1°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.