

ANALYTICAL REPORT

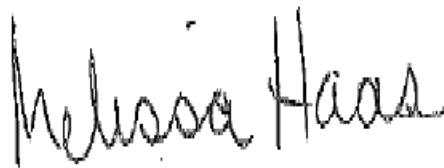
Job Number: 460-264366-1

Job Description: Taconic Inwood Lot 9

For:

Roux Environmental Eng & Geology DPC
209 Shafter St
Islandia, NY 11749

Attention: Ms. Jessica Taylor



Approved for release.
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Senior Project Manager
9/7/2022 2:32 PM

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09/07/2022

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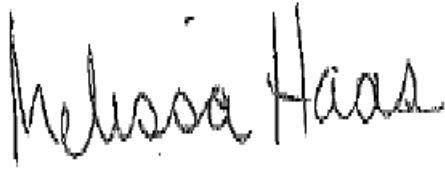
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Job Number: 460-264366-1

Job Description: Taconic Inwood Lot 9

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Approved for release.
Melissa Haas
Senior Project Manager
9/7/2022 2:32 PM

Melissa Haas

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CASE NARRATIVE

Client: Roux Environmental Eng & Geology DPC

Project: Taconic Inwood Lot 9

Report Number: 460-264366-1

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 08/24/2022; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.0 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)

Sample BCS-09-17 (5-5.5)P (460-264366-1) was analyzed for Per- and Polyfluoroalkyl Substances (PFAS) in accordance with PFC. The samples were prepared on 09/01/2022 and analyzed on 09/02/2022.

No difficulties were encountered during the PFAS analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Sample BCS-09-17 (5-5.5)P (460-264366-1) was analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 09/01/2022.

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: Taconic Inwood Lot 9

Job ID: 460-264366-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-264366-1	BCS-09-17 (5-5.5)P	Solid	08/24/22 10:05	08/24/22 19:00

Detection Summary

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

Job ID: 460-264366-1

Client Sample ID: BCS-09-17 (5-5.5)P

Lab Sample ID: 460-264366-1

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

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

Job ID: 460-264366-1

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: Taconic Inwood Lot 9

Job ID: 460-264366-1

Client Sample ID: BCS-09-17 (5-5.5)P

Lab Sample ID: 460-264366-1

Date Collected: 08/24/22 10:05

Matrix: Solid

Date Received: 08/24/22 19:00

Percent Solids: 87.3

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.56	U	0.56	0.37	ug/Kg	☼	09/01/22 07:48	09/02/22 20:14	1
Perfluoropentanoic acid (PFPeA)	0.22	U	0.22	0.062	ug/Kg	☼	09/01/22 07:48	09/02/22 20:14	1
Perfluorohexanoic acid (PFHxA)	0.22	U	0.22	0.052	ug/Kg	☼	09/01/22 07:48	09/02/22 20:14	1
Perfluoroheptanoic acid (PFHpA)	0.22	U	0.22	0.044	ug/Kg	☼	09/01/22 07:48	09/02/22 20:14	1
Perfluorooctanoic acid (PFOA)	0.22	U	0.22	0.065	ug/Kg	☼	09/01/22 07:48	09/02/22 20:14	1
Perfluorononanoic acid (PFNA)	0.22	U	0.22	0.038	ug/Kg	☼	09/01/22 07:48	09/02/22 20:14	1
Perfluorodecanoic acid (PFDA)	0.22	U	0.22	0.031	ug/Kg	☼	09/01/22 07:48	09/02/22 20:14	1
Perfluoroundecanoic acid (PFUnA)	0.22	U	0.22	0.030	ug/Kg	☼	09/01/22 07:48	09/02/22 20:14	1
Perfluorododecanoic acid (PFDoA)	0.22	U	0.22	0.028	ug/Kg	☼	09/01/22 07:48	09/02/22 20:14	1
Perfluorotridecanoic acid (PFTriA)	0.22	U	0.22	0.028	ug/Kg	☼	09/01/22 07:48	09/02/22 20:14	1
Perfluorotetradecanoic acid (PFTeA)	0.22	U	0.22	0.029	ug/Kg	☼	09/01/22 07:48	09/02/22 20:14	1
Perfluorobutanesulfonic acid (PFBS)	0.22	U	0.22	0.037	ug/Kg	☼	09/01/22 07:48	09/02/22 20:14	1
Perfluorohexanesulfonic acid (PFHxS)	0.22	U	0.22	0.046	ug/Kg	☼	09/01/22 07:48	09/02/22 20:14	1
Perfluoroheptanesulfonic acid (PFHpS)	0.22	U	0.22	0.026	ug/Kg	☼	09/01/22 07:48	09/02/22 20:14	1
Perfluorooctanesulfonic acid (PFOS)	0.22	U	0.22	0.12	ug/Kg	☼	09/01/22 07:48	09/02/22 20:14	1
Perfluorodecanesulfonic acid (PFDS)	0.22	U	0.22	0.021	ug/Kg	☼	09/01/22 07:48	09/02/22 20:14	1
Perfluorooctanesulfonamide (FOSA)	0.22	U	0.22	0.038	ug/Kg	☼	09/01/22 07:48	09/02/22 20:14	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.25	U	2.25	0.12	ug/Kg	☼	09/01/22 07:48	09/02/22 20:14	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.25	U	2.25	0.093	ug/Kg	☼	09/01/22 07:48	09/02/22 20:14	1
6:2 FTS	2.25	U	2.25	0.064	ug/Kg	☼	09/01/22 07:48	09/02/22 20:14	1
8:2 FTS	2.25	U	2.25	0.042	ug/Kg	☼	09/01/22 07:48	09/02/22 20:14	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	86		50 - 150				09/01/22 07:48	09/02/22 20:14	1
13C4 PFHpA	91		50 - 150				09/01/22 07:48	09/02/22 20:14	1
13C4 PFOA	94		50 - 150				09/01/22 07:48	09/02/22 20:14	1
13C4 PFOS	83		50 - 150				09/01/22 07:48	09/02/22 20:14	1
13C5 PFNA	85		50 - 150				09/01/22 07:48	09/02/22 20:14	1
13C4 PFBA	88		50 - 150				09/01/22 07:48	09/02/22 20:14	1
13C2 PFHxA	98		50 - 150				09/01/22 07:48	09/02/22 20:14	1
13C2 PFDA	98		50 - 150				09/01/22 07:48	09/02/22 20:14	1
13C2 PFUnA	91		50 - 150				09/01/22 07:48	09/02/22 20:14	1
13C2 PFDoA	86		50 - 150				09/01/22 07:48	09/02/22 20:14	1
13C8 FOSA	91		50 - 150				09/01/22 07:48	09/02/22 20:14	1
13C5 PFPeA	101		50 - 150				09/01/22 07:48	09/02/22 20:14	1
13C2 PFTeA	91		50 - 150				09/01/22 07:48	09/02/22 20:14	1
d3-NMeFOSAA	108		50 - 150				09/01/22 07:48	09/02/22 20:14	1
d5-NEtFOSAA	111		50 - 150				09/01/22 07:48	09/02/22 20:14	1
M2-6:2 FTS	93		50 - 150				09/01/22 07:48	09/02/22 20:14	1
M2-8:2 FTS	103		50 - 150				09/01/22 07:48	09/02/22 20:14	1
13C3 PFBS	87		50 - 150				09/01/22 07:48	09/02/22 20:14	1

Isotope Dilution Summary

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

Job ID: 460-264366-1

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)
460-264366-1	BCS-09-17 (5-5.5)P	86	91	94	83	85	88	98	98
460-264441-A-1-B MS	Matrix Spike	82	93	90	79	86	94	97	96
460-264441-A-1-C MSD	Matrix Spike Duplicate	82	89	90	80	87	89	94	87
LCS 200-183198/2-A	Lab Control Sample	99	95	94	91	87	91	97	88
MB 200-183198/1-A	Method Blank	101	95	96	98	93	89	100	103

		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)
460-264366-1	BCS-09-17 (5-5.5)P	91	86	91	101	91	108	111	93
460-264441-A-1-B MS	Matrix Spike	101	104	90	104	107	110	113	85
460-264441-A-1-C MSD	Matrix Spike Duplicate	99	95	87	94	103	103	117	85
LCS 200-183198/2-A	Lab Control Sample	86	81	97	102	80	108	111	103
MB 200-183198/1-A	Method Blank	98	94	98	102	90	118	115	109

		Percent Isotope Dilution Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	M282FTS (50-150)	C3PFBS (50-150)
460-264366-1	BCS-09-17 (5-5.5)P	103	87
460-264441-A-1-B MS	Matrix Spike	93	84
460-264441-A-1-C MSD	Matrix Spike Duplicate	95	79
LCS 200-183198/2-A	Lab Control Sample	112	98
MB 200-183198/1-A	Method Blank	117	102

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: Taconic Inwood Lot 9

Job ID: 460-264366-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 200-183198/1-A

Matrix: Solid

Analysis Batch: 183258

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 183198

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		09/01/22 07:48	09/02/22 17:31	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.055	ug/Kg		09/01/22 07:48	09/02/22 17:31	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.046	ug/Kg		09/01/22 07:48	09/02/22 17:31	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.039	ug/Kg		09/01/22 07:48	09/02/22 17:31	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.058	ug/Kg		09/01/22 07:48	09/02/22 17:31	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.034	ug/Kg		09/01/22 07:48	09/02/22 17:31	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.028	ug/Kg		09/01/22 07:48	09/02/22 17:31	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.027	ug/Kg		09/01/22 07:48	09/02/22 17:31	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.025	ug/Kg		09/01/22 07:48	09/02/22 17:31	1
Perfluorotridecanoic acid (PFTriA)	0.20	U	0.20	0.025	ug/Kg		09/01/22 07:48	09/02/22 17:31	1
Perfluorotetradecanoic acid (PFTeA)	0.20	U	0.20	0.026	ug/Kg		09/01/22 07:48	09/02/22 17:31	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.033	ug/Kg		09/01/22 07:48	09/02/22 17:31	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.041	ug/Kg		09/01/22 07:48	09/02/22 17:31	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.023	ug/Kg		09/01/22 07:48	09/02/22 17:31	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.11	ug/Kg		09/01/22 07:48	09/02/22 17:31	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.019	ug/Kg		09/01/22 07:48	09/02/22 17:31	1
Perfluorooctanesulfonamide (FOSA)	0.20	U	0.20	0.034	ug/Kg		09/01/22 07:48	09/02/22 17:31	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	U	2.00	0.11	ug/Kg		09/01/22 07:48	09/02/22 17:31	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	U	2.00	0.083	ug/Kg		09/01/22 07:48	09/02/22 17:31	1
6:2 FTS	2.00	U	2.00	0.057	ug/Kg		09/01/22 07:48	09/02/22 17:31	1
8:2 FTS	2.00	U	2.00	0.037	ug/Kg		09/01/22 07:48	09/02/22 17:31	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
18O2 PFHxS	101		50 - 150	09/01/22 07:48	09/02/22 17:31	1
13C4 PFHpA	95		50 - 150	09/01/22 07:48	09/02/22 17:31	1
13C4 PFOA	96		50 - 150	09/01/22 07:48	09/02/22 17:31	1
13C4 PFOS	98		50 - 150	09/01/22 07:48	09/02/22 17:31	1
13C5 PFNA	93		50 - 150	09/01/22 07:48	09/02/22 17:31	1
13C4 PFBA	89		50 - 150	09/01/22 07:48	09/02/22 17:31	1
13C2 PFHxA	100		50 - 150	09/01/22 07:48	09/02/22 17:31	1
13C2 PFDA	103		50 - 150	09/01/22 07:48	09/02/22 17:31	1
13C2 PFUnA	98		50 - 150	09/01/22 07:48	09/02/22 17:31	1
13C2 PFDoA	94		50 - 150	09/01/22 07:48	09/02/22 17:31	1
13C8 FOSA	98		50 - 150	09/01/22 07:48	09/02/22 17:31	1
13C5 PFPeA	102		50 - 150	09/01/22 07:48	09/02/22 17:31	1
13C2 PFTeDA	90		50 - 150	09/01/22 07:48	09/02/22 17:31	1
d3-NMeFOSAA	118		50 - 150	09/01/22 07:48	09/02/22 17:31	1
d5-NEtFOSAA	115		50 - 150	09/01/22 07:48	09/02/22 17:31	1
M2-6:2 FTS	109		50 - 150	09/01/22 07:48	09/02/22 17:31	1
M2-8:2 FTS	117		50 - 150	09/01/22 07:48	09/02/22 17:31	1
13C3 PFBS	102		50 - 150	09/01/22 07:48	09/02/22 17:31	1

QC Sample Results

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

Job ID: 460-264366-1

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

Lab Sample ID: LCS 200-183198/2-A

Matrix: Solid

Analysis Batch: 183258

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 183198

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	1.968		ug/Kg		98	60 - 140
Perfluoropentanoic acid (PFPeA)	2.00	1.930		ug/Kg		97	60 - 140
Perfluorohexanoic acid (PFHxA)	2.00	2.052		ug/Kg		103	60 - 140
Perfluoroheptanoic acid (PFHpA)	2.00	1.965		ug/Kg		98	60 - 140
Perfluorooctanoic acid (PFOA)	2.00	1.912		ug/Kg		96	60 - 140
Perfluorononanoic acid (PFNA)	2.00	2.012		ug/Kg		101	60 - 140
Perfluorodecanoic acid (PFDA)	2.00	2.096		ug/Kg		105	60 - 140
Perfluoroundecanoic acid (PFUnA)	2.00	1.930		ug/Kg		96	60 - 140
Perfluorododecanoic acid (PFDoA)	2.00	1.939		ug/Kg		97	60 - 140
Perfluorotridecanoic acid (PFTriA)	2.00	1.951		ug/Kg		98	60 - 140
Perfluorotetradecanoic acid (PFTeA)	2.00	1.689		ug/Kg		84	60 - 140
Perfluorobutanesulfonic acid (PFBS)	1.77	1.693		ug/Kg		96	60 - 140
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.686		ug/Kg		93	60 - 140
Perfluoroheptanesulfonic acid (PFHpS)	1.90	1.929		ug/Kg		101	60 - 140
Perfluorooctanesulfonic acid (PFOS)	1.86	1.875		ug/Kg		101	60 - 140
Perfluorodecanesulfonic acid (PFDS)	1.93	1.797		ug/Kg		93	60 - 140
Perfluorooctanesulfonamide (FOSA)	2.00	1.911		ug/Kg		96	60 - 140
N-methylperfluorooctanesulfonamide (NMeFOSAA)	2.00	2.005		ug/Kg		100	60 - 140
N-ethylperfluorooctanesulfonamide (NEtFOSAA)	2.00	1.916	J	ug/Kg		96	60 - 140
6:2 FTS	1.90	2.252		ug/Kg		119	50 - 150
8:2 FTS	1.92	2.145		ug/Kg		112	60 - 140

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
18O2 PFHxS	99		50 - 150
13C4 PFHpA	95		50 - 150
13C4 PFOA	94		50 - 150
13C4 PFOS	91		50 - 150
13C5 PFNA	87		50 - 150
13C4 PFBA	91		50 - 150
13C2 PFHxA	97		50 - 150
13C2 PFDA	88		50 - 150
13C2 PFUnA	86		50 - 150
13C2 PFDoA	81		50 - 150
13C8 FOSA	97		50 - 150
13C5 PFPeA	102		50 - 150
13C2 PFTeA	80		50 - 150
d3-NMeFOSAA	108		50 - 150
d5-NEtFOSAA	111		50 - 150
M2-6:2 FTS	103		50 - 150

QC Sample Results

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

Job ID: 460-264366-1

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

Lab Sample ID: LCS 200-183198/2-A
Matrix: Solid
Analysis Batch: 183258

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 183198

<i>Isotope Dilution</i>	<i>LCS LCS</i>		<i>Limits</i>
	<i>%Recovery</i>	<i>Qualifier</i>	
M2-8:2 FTS	112		50 - 150
13C3 PFBS	98		50 - 150

Lab Sample ID: 460-264441-A-1-B MS
Matrix: Solid
Analysis Batch: 183258

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 183198

<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)	0.51	U	2.07	2.196		ug/Kg	☼	106	60 - 140
Perfluoropentanoic acid (PFPeA)	0.42		2.07	2.479		ug/Kg	☼	99	60 - 140
Perfluorohexanoic acid (PFHxA)	0.19	J	2.07	2.226		ug/Kg	☼	99	60 - 140
Perfluoroheptanoic acid (PFHpA)	0.22		2.07	2.344		ug/Kg	☼	103	60 - 140
Perfluorooctanoic acid (PFOA)	0.25		2.07	2.354		ug/Kg	☼	102	60 - 140
Perfluorononanoic acid (PFNA)	0.17	J	2.07	2.258		ug/Kg	☼	101	60 - 140
Perfluorodecanoic acid (PFDA)	0.073	J	2.07	2.072		ug/Kg	☼	97	60 - 140
Perfluoroundecanoic acid (PFUnA)	0.041	J	2.07	2.019		ug/Kg	☼	96	60 - 140
Perfluorododecanoic acid (PFDoA)	0.20	U	2.07	1.964		ug/Kg	☼	95	60 - 140
Perfluorotridecanoic acid (PFTriA)	0.20	U	2.07	2.057		ug/Kg	☼	100	60 - 140
Perfluorotetradecanoic acid (PFTeA)	0.20	U	2.07	1.763		ug/Kg	☼	85	60 - 140
Perfluorobutanesulfonic acid (PFBS)	0.20	U	1.83	1.761		ug/Kg	☼	96	60 - 140
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	1.88	1.857		ug/Kg	☼	99	60 - 140
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	1.97	1.990		ug/Kg	☼	101	60 - 140
Perfluorooctanesulfonic acid (PFOS)	0.14	J	1.92	2.119		ug/Kg	☼	103	60 - 140
Perfluorodecanesulfonic acid (PFDS)	0.20	U	1.99	2.118		ug/Kg	☼	106	60 - 140
Perfluorooctanesulfonamide (FOSA)	0.20	U	2.07	2.096		ug/Kg	☼	101	60 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.03	U	2.07	2.085		ug/Kg	☼	101	60 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.03	U	2.07	2.019	J	ug/Kg	☼	98	60 - 140
6:2 FTS	2.03	U	1.96	2.384		ug/Kg	☼	122	50 - 150
8:2 FTS	0.044	J	1.98	2.386		ug/Kg	☼	118	60 - 140

<i>Isotope Dilution</i>	<i>MS MS</i>		<i>Limits</i>
	<i>%Recovery</i>	<i>Qualifier</i>	
18O2 PFHxS	82		50 - 150
13C4 PFHpA	93		50 - 150
13C4 PFOA	90		50 - 150
13C4 PFOS	79		50 - 150
13C5 PFNA	86		50 - 150
13C4 PFBA	94		50 - 150
13C2 PFHxA	97		50 - 150
13C2 PFDA	96		50 - 150
13C2 PFUnA	101		50 - 150

QC Sample Results

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

Job ID: 460-264366-1

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

Lab Sample ID: 460-264441-A-1-B MS
Matrix: Solid
Analysis Batch: 183258

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 183198

<i>Isotope Dilution</i>	<i>MS</i>	<i>MS</i>	<i>Limits</i>
<i>%Recovery</i>	<i>Qualifier</i>		
13C2 PFDoA	104		50 - 150
13C8 FOSA	90		50 - 150
13C5 PFPeA	104		50 - 150
13C2 PFTeDA	107		50 - 150
d3-NMeFOSAA	110		50 - 150
d5-NEtFOSAA	113		50 - 150
M2-6:2 FTS	85		50 - 150
M2-8:2 FTS	93		50 - 150
13C3 PFBS	84		50 - 150

Lab Sample ID: 460-264441-A-1-C MSD
Matrix: Solid
Analysis Batch: 183258

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 183198

<i>Analyte</i>	<i>Sample</i>	<i>Sample</i>	<i>Spike</i>	<i>MSD</i>	<i>MSD</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec</i>	<i>RPD</i>	<i>RPD</i>	<i>Limit</i>
	<i>Result</i>	<i>Qualifier</i>	<i>Added</i>	<i>Result</i>	<i>Qualifier</i>				<i>Limits</i>	<i>RPD</i>		
Perfluorobutanoic acid (PFBA)	0.51	U	2.05	2.351		ug/Kg	☼	115	60 - 140	7		30
Perfluoropentanoic acid (PFPeA)	0.42		2.05	2.978		ug/Kg	☼	125	60 - 140	18		30
Perfluorohexanoic acid (PFHxA)	0.19	J	2.05	2.321		ug/Kg	☼	104	60 - 140	4		30
Perfluoroheptanoic acid (PFHpA)	0.22		2.05	2.521		ug/Kg	☼	112	60 - 140	7		30
Perfluorooctanoic acid (PFOA)	0.25		2.05	2.354		ug/Kg	☼	103	60 - 140	0		30
Perfluorononanoic acid (PFNA)	0.17	J	2.05	2.170		ug/Kg	☼	98	60 - 140	4		30
Perfluorodecanoic acid (PFDA)	0.073	J	2.05	2.201		ug/Kg	☼	104	60 - 140	6		30
Perfluoroundecanoic acid (PFUnA)	0.041	J	2.05	2.122		ug/Kg	☼	102	60 - 140	5		30
Perfluorododecanoic acid (PFDoA)	0.20	U	2.05	2.112		ug/Kg	☼	103	60 - 140	7		30
Perfluorotridecanoic acid (PFTriA)	0.20	U	2.05	2.311		ug/Kg	☼	113	60 - 140	12		30
Perfluorotetradecanoic acid (PFTeA)	0.20	U	2.05	1.801		ug/Kg	☼	88	60 - 140	2		30
Perfluorobutanesulfonic acid (PFBS)	0.20	U	1.81	1.804		ug/Kg	☼	100	60 - 140	2		30
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	1.87	1.841		ug/Kg	☼	99	60 - 140	1		30
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	1.95	1.933		ug/Kg	☼	99	60 - 140	3		30
Perfluorooctanesulfonic acid (PFOS)	0.14	J	1.90	2.085		ug/Kg	☼	102	60 - 140	2		30
Perfluorodecanesulfonic acid (PFDS)	0.20	U	1.98	2.121		ug/Kg	☼	107	60 - 140	0		30
Perfluorooctanesulfonamide (FOSA)	0.20	U	2.05	2.034		ug/Kg	☼	99	60 - 140	3		30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.03	U	2.05	2.054		ug/Kg	☼	100	60 - 140	2		30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.03	U	2.05	1.966	J	ug/Kg	☼	96	60 - 140	3		30
6:2 FTS	2.03	U	1.94	2.320		ug/Kg	☼	119	50 - 150	3		30
8:2 FTS	0.044	J	1.96	2.418		ug/Kg	☼	121	60 - 140	1		30

<i>Isotope Dilution</i>	<i>MSD</i>	<i>MSD</i>	<i>Limits</i>
<i>%Recovery</i>	<i>Qualifier</i>		
18O2 PFHxS	82		50 - 150
13C4 PFHpA	89		50 - 150

QC Sample Results

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

Job ID: 460-264366-1

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

Lab Sample ID: 460-264441-A-1-C MSD

Matrix: Solid

Analysis Batch: 183258

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 183198

<i>Isotope Dilution</i>	<i>MSD %Recovery</i>	<i>MSD Qualifier</i>	<i>Limits</i>
13C4 PFOA	90		50 - 150
13C4 PFOS	80		50 - 150
13C5 PFNA	87		50 - 150
13C4 PFBA	89		50 - 150
13C2 PFHxA	94		50 - 150
13C2 PFDA	87		50 - 150
13C2 PFUnA	99		50 - 150
13C2 PFDoA	95		50 - 150
13C8 FOSA	87		50 - 150
13C5 PFPeA	94		50 - 150
13C2 PFTeDA	103		50 - 150
d3-NMeFOSAA	103		50 - 150
d5-NEtFOSAA	117		50 - 150
M2-6:2 FTS	85		50 - 150
M2-8:2 FTS	95		50 - 150
13C3 PFBS	79		50 - 150

Definitions/Glossary

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

Job ID: 460-264366-1

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: Taconic Inwood Lot 9

Job ID: 460-264366-1

LCMS

Prep Batch: 183198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-264366-1	BCS-09-17 (5-5.5)P	Total/NA	Solid	SHAKE	
MB 200-183198/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 200-183198/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
460-264441-A-1-B MS	Matrix Spike	Total/NA	Solid	SHAKE	
460-264441-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	SHAKE	

Analysis Batch: 183258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-264366-1	BCS-09-17 (5-5.5)P	Total/NA	Solid	537 (modified)	183198
MB 200-183198/1-A	Method Blank	Total/NA	Solid	537 (modified)	183198
LCS 200-183198/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	183198
460-264441-A-1-B MS	Matrix Spike	Total/NA	Solid	537 (modified)	183198
460-264441-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	537 (modified)	183198

General Chemistry

Analysis Batch: 183202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-264366-1	BCS-09-17 (5-5.5)P	Total/NA	Solid	Moisture	
460-264523-A-22 DU	Duplicate	Total/NA	Solid	Moisture	

Lab Chronicle

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

Job ID: 460-264366-1

Client Sample ID: BCS-09-17 (5-5.5)P

Lab Sample ID: 460-264366-1

Date Collected: 08/24/22 10:05

Matrix: Solid

Date Received: 08/24/22 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	183202	RWM	EET BUR	09/01/22 14:25

Client Sample ID: BCS-09-17 (5-5.5)P

Lab Sample ID: 460-264366-1

Date Collected: 08/24/22 10:05

Matrix: Solid

Date Received: 08/24/22 19:00

Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			183198	ND	EET BUR	09/01/22 07:48
Total/NA	Analysis	537 (modified)		1	183258	BWC	EET BUR	09/02/22 20:14

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: Taconic Inwood Lot 9

Job ID: 460-264366-1

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.: 460-264366-1

SDG No.: _____

Matrix: Solid Level: Low

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

Client Sample ID	Lab Sample ID	PFBA #	PFPeA #	C3PFBS #	PFHxA #	PFHxS #	C4PFHA #	M262FTS #	PFOA #
BCS-09-17 (5-5.5)P	460-264366-1	88	101	87	98	86	91	93	94
	MB 200-183198/1-A	89	102	102	100	101	95	109	96
	LCS 200-183198/2-A	91	102	98	97	99	95	103	94
	460-264441-A-1-B MS	94	104	84	97	82	93	85	90
	460-264441-A-1-C MSD	89	94	79	94	82	89	85	90

	<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.: 460-264366-1

SDG No.: _____

Matrix: Solid Level: Low

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

Client Sample ID	Lab Sample ID	PFOS #	PFNA #	M282FTS #	PFDA #	PFOSA #	d3NMFOS #	PFUnA #	d5NEFOS #
BCS-09-17 (5-5.5)P	460-264366-1	83	85	103	98	91	108	91	111
	MB 200-183198/1-A	98	93	117	103	98	118	98	115
	LCS 200-183198/2-A	91	87	112	88	97	108	86	111
	460-264441-A-1-B MS	79	86	93	96	90	110	101	113
	460-264441-A-1-C MSD	80	87	95	87	87	103	99	117

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

Column to be used to flag recovery values

FORM II 537 (modified)

FORM II
PFAS SURROGATE RECOVERY

Lab Name: Eurofins Burlington Job No.: 460-264366-1

SDG No.: _____

Matrix: Solid Level: Low

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

Client Sample ID	Lab Sample ID	PFDa #	PFTDA #
BCS-09-17 (5-5.5)P	460-264366-1	86	91
	MB 200-183198/1-A	94	90
	LCS 200-183198/2-A	81	80
	460-264441-A-1-B MS	104	107
	460-264441-A-1-C MSD	95	103

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.: 460-264366-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: PA220902B03B.d
 Lab ID: LCS 200-183198/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	2.00	1.968	98	60-140	
Perfluoropentanoic acid (PFPeA)	2.00	1.930	97	60-140	
Perfluorohexanoic acid (PFHxA)	2.00	2.052	103	60-140	
Perfluoroheptanoic acid (PFHpA)	2.00	1.965	98	60-140	
Perfluorooctanoic acid (PFOA)	2.00	1.912	96	60-140	
Perfluorononanoic acid (PFNA)	2.00	2.012	101	60-140	
Perfluorodecanoic acid (PFDA)	2.00	2.096	105	60-140	
Perfluoroundecanoic acid (PFUnA)	2.00	1.930	96	60-140	
Perfluorododecanoic acid (PFDoA)	2.00	1.939	97	60-140	
Perfluorotridecanoic acid (PFTriA)	2.00	1.951	98	60-140	
Perfluorotetradecanoic acid (PFTeA)	2.00	1.689	84	60-140	
Perfluorobutanesulfonic acid (PFBS)	1.77	1.693	96	60-140	
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.686	93	60-140	
Perfluoroheptanesulfonic acid (PFHpS)	1.90	1.929	101	60-140	
Perfluorooctanesulfonic acid (PFOS)	1.86	1.875	101	60-140	
Perfluorodecanesulfonic acid (PFDS)	1.93	1.797	93	60-140	
Perfluorooctanesulfonamide (FOSA)	2.00	1.911	96	60-140	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.005	100	60-140	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.916 J	96	60-140	
6:2 FTS	1.90	2.252	119	50-150	
8:2 FTS	1.92	2.145	112	60-140	
18O2 PFHxS	2.37	2.348	99	50-150	
13C4 PFHpA	2.50	2.365	95	50-150	
13C4 PFOA	2.50	2.345	94	50-150	
13C4 PFOS	2.39	2.182	91	50-150	
13C5 PFNA	2.50	2.179	87	50-150	
13C4 PFBA	2.50	2.277	91	50-150	
13C2 PFHxA	2.50	2.433	97	50-150	
13C2 PFDA	2.50	2.200	88	50-150	
13C2 PFUnA	2.50	2.138	86	50-150	
13C2 PFDoA	2.50	2.029	81	50-150	

Column to be used to flag recovery and RPD values

FORM III
PFAS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Burlington Job No.: 460-264366-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: PA220902B03B.d
 Lab ID: LCS 200-183198/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
13C8 FOSA	2.50	2.425	97	50-150	
13C5 PFPeA	2.50	2.559	102	50-150	
13C2 PFTeDA	2.50	2.000	80	50-150	
d3-NMeFOSAA	2.50	2.709	108	50-150	
d5-NEtFOSAA	2.50	2.776	111	50-150	
M2-6:2 FTS	2.38	2.442	103	50-150	
M2-8:2 FTS	2.40	2.688	112	50-150	
13C3 PFBS	2.33	2.280	98	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.: 460-264366-1

SDG No.: _____

Matrix: Solid Level: Low

Lab File ID: PA220902B07.d

Lab ID: 460-264441-A-1-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)	2.07	0.51 U	2.196	106	60-140	
Perfluoropentanoic acid (PFPeA)	2.07	0.42	2.479	99	60-140	
Perfluorohexanoic acid (PFHxA)	2.07	0.19 J	2.226	99	60-140	
Perfluoroheptanoic acid (PFHpA)	2.07	0.22	2.344	103	60-140	
Perfluorooctanoic acid (PFOA)	2.07	0.25	2.354	102	60-140	
Perfluorononanoic acid (PFNA)	2.07	0.17 J	2.258	101	60-140	
Perfluorodecanoic acid (PFDA)	2.07	0.073 J	2.072	97	60-140	
Perfluoroundecanoic acid (PFUnA)	2.07	0.041 J	2.019	96	60-140	
Perfluorododecanoic acid (PFDoA)	2.07	0.20 U	1.964	95	60-140	
Perfluorotridecanoic acid (PFTriA)	2.07	0.20 U	2.057	100	60-140	
Perfluorotetradecanoic acid (PFTeA)	2.07	0.20 U	1.763	85	60-140	
Perfluorobutanesulfonic acid (PFBS)	1.83	0.20 U	1.761	96	60-140	
Perfluorohexanesulfonic acid (PFHxS)	1.88	0.20 U	1.857	99	60-140	
Perfluoroheptanesulfonic acid (PFHpS)	1.97	0.20 U	1.990	101	60-140	
Perfluorooctanesulfonic acid (PFOS)	1.92	0.14 J	2.119	103	60-140	
Perfluorodecanesulfonic acid (PFDS)	1.99	0.20 U	2.118	106	60-140	
Perfluorooctanesulfonamide (FOSA)	2.07	0.20 U	2.096	101	60-140	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.07	2.03 U	2.085	101	60-140	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.07	2.03 U	2.019 J	98	60-140	
6:2 FTS	1.96	2.03 U	2.384	122	50-150	
8:2 FTS	1.98	0.044 J	2.386	118	60-140	
18O2 PFHxS	2.44	1.98	2.006	82	50-150	
13C4 PFHpA	2.58	2.36	2.411	93	50-150	
13C4 PFOA	2.58	2.32	2.315	90	50-150	
13C4 PFOS	2.47	1.86	1.951	79	50-150	
13C5 PFNA	2.58	2.26	2.210	86	50-150	
13C4 PFBA	2.58	2.52	2.422	94	50-150	
13C2 PFHxA	2.58	2.45	2.509	97	50-150	
13C2 PFDA	2.58	2.42	2.491	96	50-150	
13C2 PFUnA	2.58	2.56	2.601	101	50-150	
13C2 PFDoA	2.58	2.53	2.683	104	50-150	

Column to be used to flag recovery and RPD values

FORM III
PFAS MATRIX SPIKE RECOVERY

Lab Name: Eurofins Burlington Job No.: 460-264366-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: PA220902B07.d
 Lab ID: 460-264441-A-1-B MS Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
13C8 FOSA	2.58	2.24	2.322	90	50-150	
13C5 PFPeA	2.58	2.59	2.673	104	50-150	
13C2 PFTeDA	2.58	2.55	2.771	107	50-150	
d3-NMeFOSAA	2.58	2.80	2.846	110	50-150	
d5-NEtFOSAA	2.58	2.98	2.915	113	50-150	
M2-6:2 FTS	2.45	2.13	2.080	85	50-150	
M2-8:2 FTS	2.47	2.50	2.294	93	50-150	
13C3 PFBS	2.40	1.97	2.026	84	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.: 460-264366-1

SDG No.: _____

Matrix: Solid Level: Low

Lab File ID: PA220902B08.d

Lab ID: 460-264441-A-1-C MSD

Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Perfluorobutanoic acid (PFBA)	2.05	2.351	115	7	30	60-140	
Perfluoropentanoic acid (PFPeA)	2.05	2.978	125	18	30	60-140	
Perfluorohexanoic acid (PFHxA)	2.05	2.321	104	4	30	60-140	
Perfluoroheptanoic acid (PFHpA)	2.05	2.521	112	7	30	60-140	
Perfluorooctanoic acid (PFOA)	2.05	2.354	103	0	30	60-140	
Perfluorononanoic acid (PFNA)	2.05	2.170	98	4	30	60-140	
Perfluorodecanoic acid (PFDA)	2.05	2.201	104	6	30	60-140	
Perfluoroundecanoic acid (PFUnA)	2.05	2.122	102	5	30	60-140	
Perfluorododecanoic acid (PFDoA)	2.05	2.112	103	7	30	60-140	
Perfluorotridecanoic acid (PFTriA)	2.05	2.311	113	12	30	60-140	
Perfluorotetradecanoic acid (PFTeA)	2.05	1.801	88	2	30	60-140	
Perfluorobutanesulfonic acid (PFBS)	1.81	1.804	100	2	30	60-140	
Perfluorohexanesulfonic acid (PFHxS)	1.87	1.841	99	1	30	60-140	
Perfluoroheptanesulfonic acid (PFHpS)	1.95	1.933	99	3	30	60-140	
Perfluorooctanesulfonic acid (PFOS)	1.90	2.085	102	2	30	60-140	
Perfluorodecanesulfonic acid (PFDS)	1.98	2.121	107	0	30	60-140	
Perfluorooctanesulfonamide (FOSA)	2.05	2.034	99	3	30	60-140	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.05	2.054	100	2	30	60-140	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.05	1.966 J	96	3	30	60-140	
6:2 FTS	1.94	2.320	119	3	30	50-150	
8:2 FTS	1.96	2.418	121	1	30	60-140	
18O2 PFHxS	2.42	1.975	82			50-150	
13C4 PFHpA	2.56	2.272	89			50-150	
13C4 PFOA	2.56	2.312	90			50-150	
13C4 PFOS	2.45	1.970	80			50-150	
13C5 PFNA	2.56	2.217	87			50-150	
13C4 PFBA	2.56	2.292	89			50-150	
13C2 PFHxA	2.56	2.400	94			50-150	
13C2 PFDA	2.56	2.224	87			50-150	
13C2 PFUnA	2.56	2.537	99			50-150	
13C2 PFDoA	2.56	2.424	95			50-150	

Column to be used to flag recovery and RPD values

FORM III
PFAS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Burlington Job No.: 460-264366-1

SDG No.: _____

Matrix: Solid Level: Low Lab File ID: PA220902B08.d

Lab ID: 460-264441-A-1-C MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
13C8 FOSA	2.56	2.239	87			50-150	
13C5 PFPeA	2.56	2.418	94			50-150	
13C2 PFTeDA	2.56	2.627	103			50-150	
d3-NMeFOSAA	2.56	2.645	103			50-150	
d5-NEtFOSAA	2.56	3.002	117			50-150	
M2-6:2 FTS	2.43	2.058	85			50-150	
M2-8:2 FTS	2.45	2.329	95			50-150	
13C3 PFBS	2.38	1.885	79			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.: 460-264366-1
 SDG No.: _____
 Lab File ID: PA220902B02B.d Lab Sample ID: MB 200-183198/1-A
 Matrix: Solid Date Extracted: 09/01/2022 07:48
 Instrument ID: LC812 Date Analyzed: 09/02/2022 17:31
 Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-183198/2-A	PA220902B03 B.d	09/02/2022 17:39
	460-264441-A-1-B MS	PA220902B07 .d	09/02/2022 18:12
	460-264441-A-1-C MSD	PA220902B08 .d	09/02/2022 18:20
BCS-09-17 (5-5.5)P	460-264366-1	PA220902B22 .d	09/02/2022 20:14

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Burlington Job No.: 460-264366-1
 SDG No.: _____
 Sample No.: ICIS 200-182319/8 Date Analyzed: 08/03/2022 13:24
 Instrument ID: LC812 GC Column: C-18 ID: 4.6 (mm)
 Lab File ID (Standard): PA220803ICAL08.d Heated Purge: (Y/N) N
 Calibration ID: 48756

	13PFOA		#	RT #	#	RT #
	AREA #	RT #				
INITIAL CALIBRATION MID-POINT	1727269	3.48				
UPPER LIMIT	2590904	3.68				
LOWER LIMIT	863635	3.28				
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICB 200-182319/11		1738669	3.48			
ICV 200-182319/12		2802391*	3.48			
CCVLIS 200-183247/5		1963973	3.43			

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 537 (MODIFIED)

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Burlington Job No.: 460-264366-1
 SDG No.: _____
 Sample No.: CCVLIS 200-183247/5 Date Analyzed: 09/02/2022 12:45
 Instrument ID: LC812 GC Column: C-18 ID: 4.6 (mm)
 Lab File ID (Standard): PA220902A05.d Heated Purge: (Y/N) N
 Calibration ID: 48756

	13PFOA		#	RT #	#	RT #
	AREA #	RT #				
Low Level 12/24 HOUR STD	1963973	3.43				
UPPER LIMIT	2945960	3.63				
LOWER LIMIT	981987	3.23				
LAB SAMPLE ID	CLIENT SAMPLE ID					
CCV 200-183258/1		1998297	3.45			
MB 200-183198/1-A		1665044	3.43			
LCS 200-183198/2-A		1476559	3.45			
460-264441-A-1-B MS		1449305	3.44			
460-264441-A-1-C MSD		1763112	3.44			
CCV 200-183258/16		1662430	3.45			
460-264366-1	BCS-09-17 (5-5.5) P	1432090	3.44			
CCV 200-183258/27		1685816	3.44			

13PFOA = 13C2 PFOA

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

Column used to flag values outside QC limits

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-264366-1
 SDG No.: _____
 Client Sample ID: BCS-09-17 (5-5.5)P Lab Sample ID: 460-264366-1
 Matrix: Solid Lab File ID: PA220902B22.d
 Analysis Method: 537 (modified) Date Collected: 08/24/2022 10:05
 Extraction Method: SHAKE Date Extracted: 09/01/2022 07:48
 Sample wt/vol: 5.10(g) Date Analyzed: 09/02/2022 20:14
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: 12.7 % Solids: 87.3 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 183258 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.56	U	0.56	0.37
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.22	U	0.22	0.062
307-24-4	Perfluorohexanoic acid (PFHxA)	0.22	U	0.22	0.052
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.22	U	0.22	0.044
335-67-1	Perfluorooctanoic acid (PFOA)	0.22	U	0.22	0.065
375-95-1	Perfluorononanoic acid (PFNA)	0.22	U	0.22	0.038
335-76-2	Perfluorodecanoic acid (PFDA)	0.22	U	0.22	0.031
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.22	U	0.22	0.030
307-55-1	Perfluorododecanoic acid (PFDoA)	0.22	U	0.22	0.028
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.22	U	0.22	0.028
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.22	U	0.22	0.029
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.22	U	0.22	0.037
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.22	U	0.22	0.046
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.22	U	0.22	0.026
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	0.038
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.25	U	2.25	0.12
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.25	U	2.25	0.093
27619-97-2	6:2 FTS	2.25	U	2.25	0.064
39108-34-4	8:2 FTS	2.25	U	2.25	0.042

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-264366-1
 SDG No.: _____
 Client Sample ID: BCS-09-17 (5-5.5)P Lab Sample ID: 460-264366-1
 Matrix: Solid Lab File ID: PA220902B22.d
 Analysis Method: 537 (modified) Date Collected: 08/24/2022 10:05
 Extraction Method: SHAKE Date Extracted: 09/01/2022 07:48
 Sample wt/vol: 5.10(g) Date Analyzed: 09/02/2022 20:14
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: 12.7 % Solids: 87.3 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 183258 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	86		50-150
STL01892	13C4 PFHpA	91		50-150
STL00990	13C4 PFOA	94		50-150
STL00991	13C4 PFOS	83		50-150
STL00995	13C5 PFNA	85		50-150
STL00992	13C4 PFBA	88		50-150
STL00993	13C2 PFHxA	98		50-150
STL00996	13C2 PFDA	98		50-150
STL00997	13C2 PFUnA	91		50-150
STL00998	13C2 PFDoA	86		50-150
STL01056	13C8 FOSA	91		50-150
STL01893	13C5 PFPeA	101		50-150
STL02116	13C2 PFTeDA	91		50-150
STL02118	d3-NMeFOSAA	108		50-150
STL02117	d5-NEtFOSAA	111		50-150
STL02279	M2-6:2 FTS	93		50-150
STL02280	M2-8:2 FTS	103		50-150
STL02337	13C3 PFBS	87		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B22.d
 Lims ID: 460-264366-A-1-A
 Client ID: BCS-09-17 (5-5.5)P
 Sample Type: Client
 Inject. Date: 02-Sep-2022 20:14:56 ALS Bottle#: 22 Worklist Smp#: 22
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 460-264366-A-1-A
 Misc. Info.: 200-0052318-022 Plate: 1 Rack: 2
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 06-Sep-2022 13:26:28 Calib Date: 03-Aug-2022 13:41:11
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1638

First Level Reviewer: nampitakw Date: 05-Sep-2022 12:19:16

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	2.067	2.068	-0.001	0.601	1477071	1.10	88.4	9043	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.067	2.068	-0.001	1.000	17683	0.0154		2.3		M
D 3 13C5 PFPeA	267.90 > 223.00	2.373	2.374	-0.001	0.690	1292117	1.26	101	2816	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.373	2.374	-0.001	1.000	15738	0.0148		0.4		M
D 47 13C3 PFBS	301.90 > 80.00	2.386	2.387	-0.001	0.694	1209529	1.02	87.4	123020	M
D 7 13C2 PFHxA	315.00 > 270.00	2.725	2.713	0.012	0.792	1255259	1.22	97.8	3542	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.725	2.713	0.012	1.000	13256	0.0127	Target=12.24	2.6		M
313.00 > 119.00	2.725	2.713	0.012	1.000	1281		10.35(6.12-18.36)	2.2		M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.076	3.077	-0.001	1.000	3602	0.004518	Target=3.43	7.3		M
399.00 > 99.00	3.087	3.077	0.010	1.004	1283		2.81(1.72-5.15)	1.5		M
D 11 18O2 PFHxS	403.00 > 84.00	3.076	3.077	-0.001	0.895	854820	1.02	86.4	2032	
D 9 13C4 PFHpA	367.00 > 322.00	3.087	3.077	0.010	0.898	1212050	1.14	91.0	2613	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.087	3.077	0.010	1.000	5833	0.005837	Target=3.73	1.6		M
363.00 > 169.00	3.076	3.077	-0.001	0.996	2075		2.81(1.86-5.59)	6.4		M
D 12 M2-6:2 FTS	429.00 > 81.00	3.430	3.422	0.008	0.997	153969	1.10	92.6	298	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.413	3.422	-0.009	0.995	326	-0.0151			2.6	M
16 Perfluoroheptanesulfonic acid										RM
449.00 > 80.00	3.439	3.422	0.017	0.918	473	0.000738	Target=4.89		1.8	RM
449.00 > 99.00	3.430	3.422	0.008	0.916	217		2.18(2.44-7.33)		1.4	M
D 14 13C4 PFOA										
417.00 > 372.00	3.439	3.430	0.009	1.000	1275963	1.17		93.5	3648	
* 62 13C2 PFOA										
415.00 > 370.00	3.439	3.430	0.009		1432090	1.25			2703	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.439	3.430	0.009	1.000	21708	0.0190	Target=2.67		1.1	M
413.00 > 169.00	3.439	3.430	0.009	1.000	7851		2.76(1.34-4.01)		12.4	
D 18 13C4 PFOS										
503.00 > 80.00	3.744	3.745	-0.001	1.089	619435	0.99		82.9	1674	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.744	3.745	-0.001	1.000	27227	0.0343	Target=4.88		22.3	M
499.00 > 99.00	3.754	3.745	0.009	1.003	7118		3.83(2.44-7.32)		11.6	M
D 19 13C5 PFNA										M
468.00 > 423.00	3.764	3.764	0.0	1.094	1197417	1.06		84.6	3469	M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.764	3.764	0.0	1.000	2265	0.002324	Target=8.23		0.7	M
463.00 > 169.00	3.764	3.764	0.0	1.000	391		5.79(4.11-12.34)		4.4	M
D 23 13C2 PFDA										
515.00 > 470.00	4.071	4.061	0.010	1.184	1352285	1.23		98.1	3035	
24 Perfluorodecanoic acid										RM
513.00 > 469.00	4.061	4.061	0.0	0.997	3641	0.003200	Target=9.67		1.9	RM
513.00 > 169.00	4.071	4.061	0.010	1.000	817		4.46(4.83-14.50)		3.2	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.081	4.071	0.010	1.187	208231	1.24		103	657	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.092	4.071	0.021	1.003	508	0.003025			5.6	M
D 21 13C8 FOSA										M
506.00 > 78.00	4.127	4.127	0.0	1.200	1102315	1.14		91.4	2471	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.127	4.127	0.0	1.000	508	0.000565			3.7	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.217	4.207	0.010	1.226	198805	1.35		108	1570	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.217	4.218	-0.001	1.000	173	0.001225			1.3	M
29 Perfluorodecanesulfonic acid										RM
599.00 > 80.00	4.319	4.308	0.011	1.153	294	0.000973	Target=2.80		2.6	RM
599.00 > 99.00	4.319	4.308	0.011	1.153	221		1.33(1.40-4.20)		2.1	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.342	4.342	0.0	1.263	951166	1.14		91.1	4229	M
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.353	4.342	0.011	1.003	1995	0.002475	Target=9.07		1.2	M
563.00 > 169.00	4.353	4.342	0.011	1.003	211		9.45(4.54-13.61)		2.6	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.353	4.342	0.011	1.266	193268	1.38		111	639	
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.353	4.354	-0.001	1.000	481	0.003426			4.5	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.580	4.580	0.0	1.332	931508	1.08		86.1	1874	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.794	4.785	0.009	1.047	849	0.001296	Target=4.56		0.3	M
663.00 > 169.00	4.794	4.785	0.009	1.047	309		2.75(2.28-6.84)		5.1	M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.002	4.992	0.010	1.455	802424	1.13		90.7	2491	M
42 Perfluorotetradecanoic acid										
713.00 > 169.00	4.992	4.992	0.0	0.998	181	0.001760	Target=0.94		3.7	M
713.00 > 219.00	5.002	4.992	0.010	1.000	245		0.74(0.47-1.41)		5.8	M

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B22.d

Injection Date: 02-Sep-2022 20:14:56

Instrument ID: LC812

Lims ID: 460-264366-A-1-A

Lab Sample ID: 200-264366-1

Client ID: BCS-09-17 (5-5.5)P

Operator ID: lc812tech

ALS Bottle#: 22

Worklist Smp#: 22

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

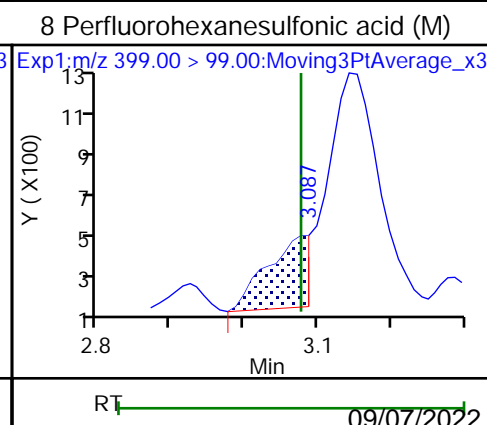
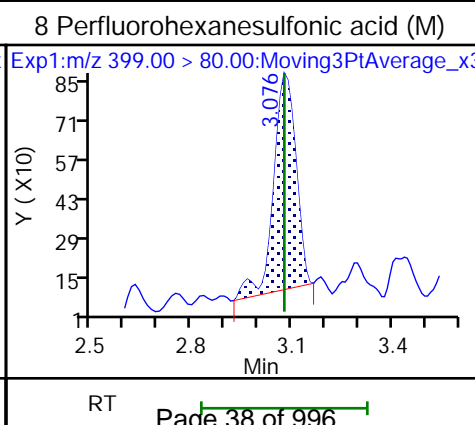
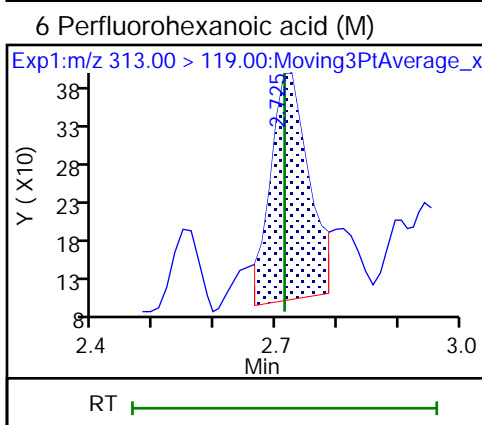
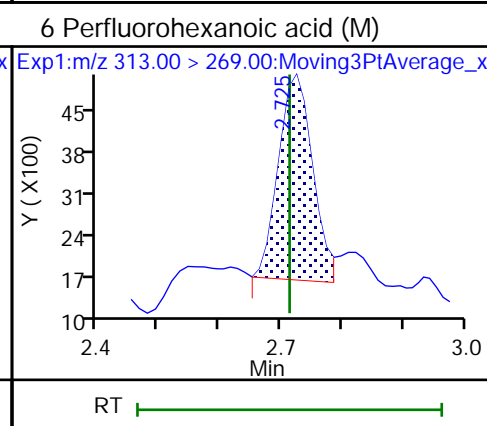
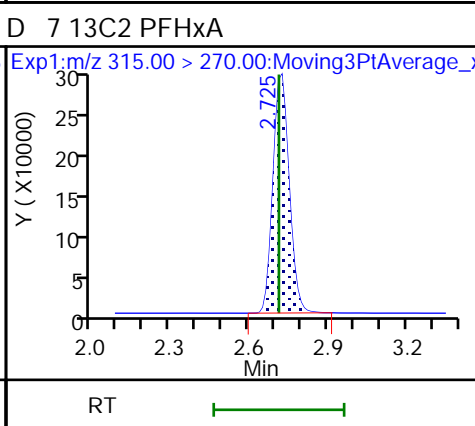
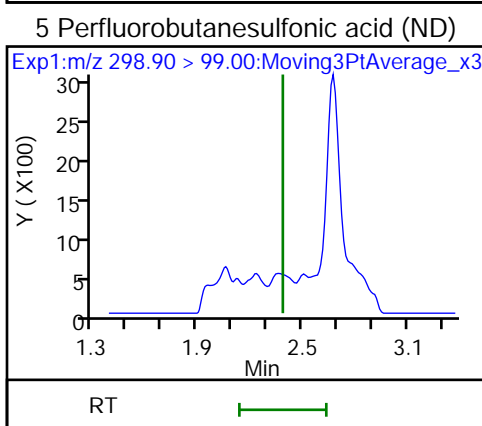
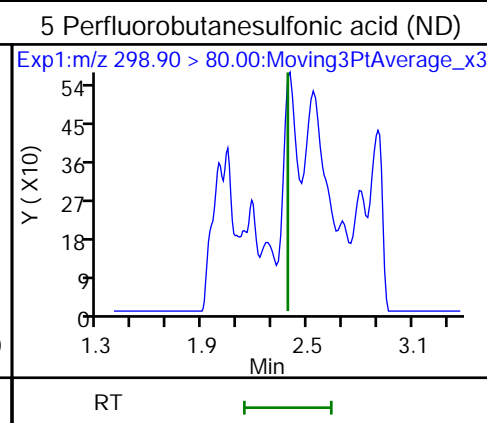
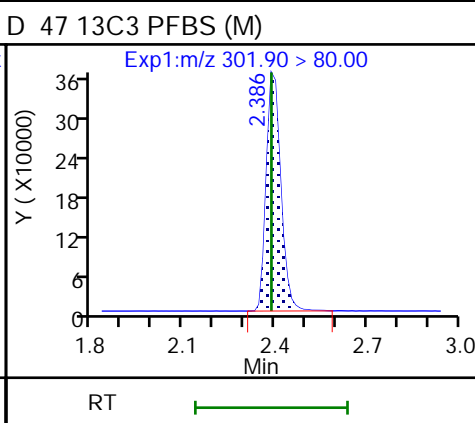
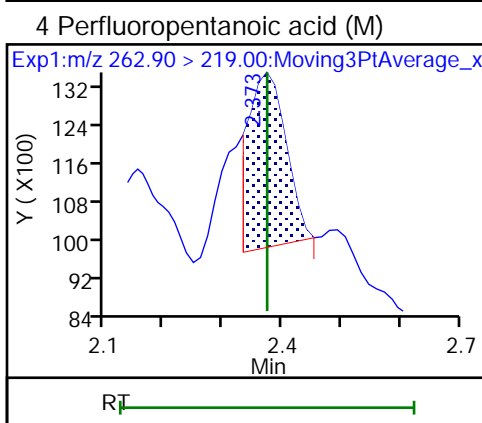
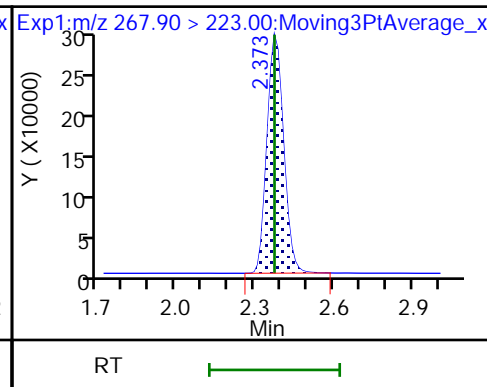
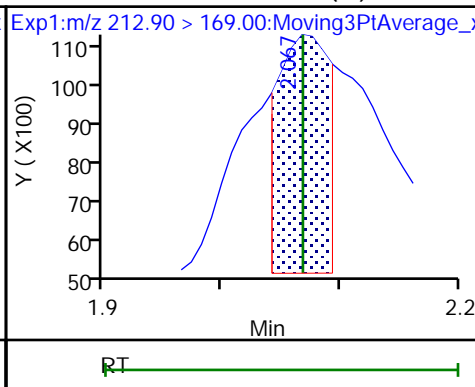
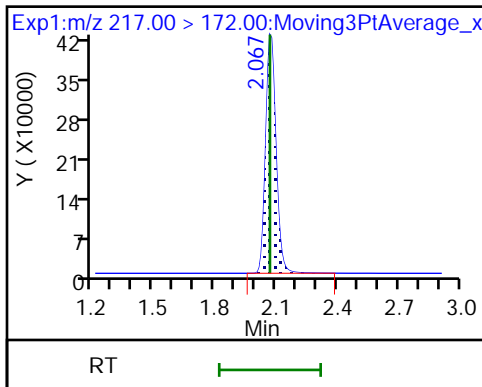
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

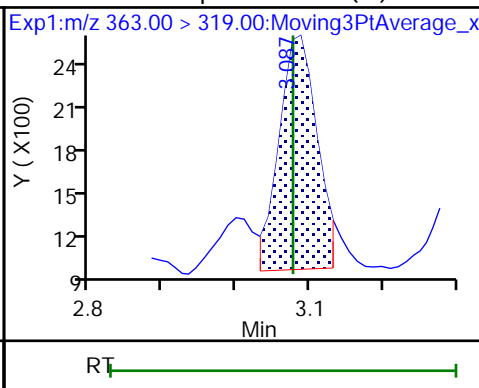
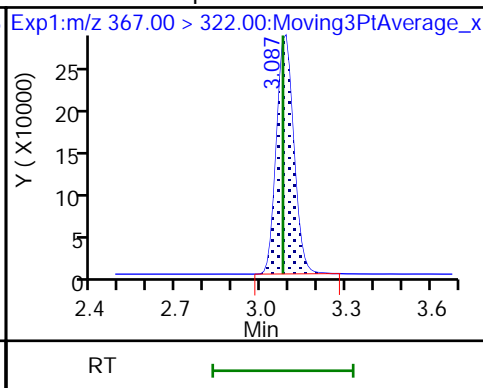
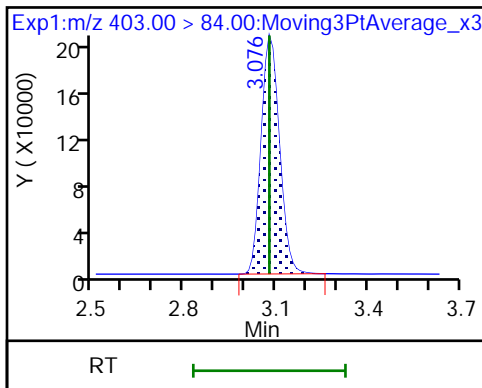
D 3 13C5 PFPeA



D 11 18O2 PFHxS

D 9 13C4 PFHpA

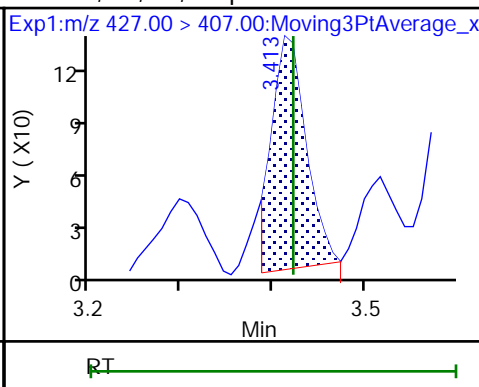
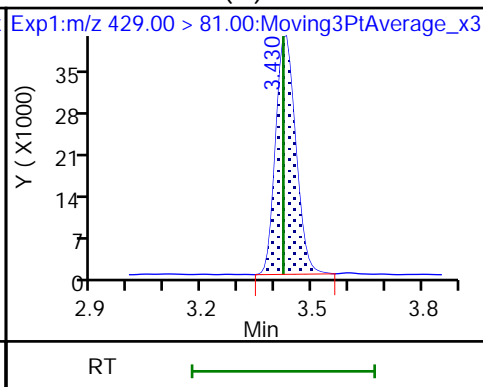
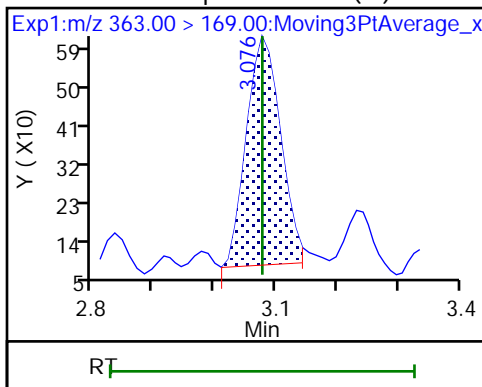
10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid (M)

D 12 M2-6:2 FTS (M)

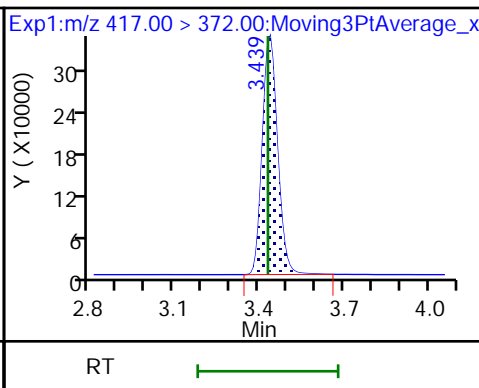
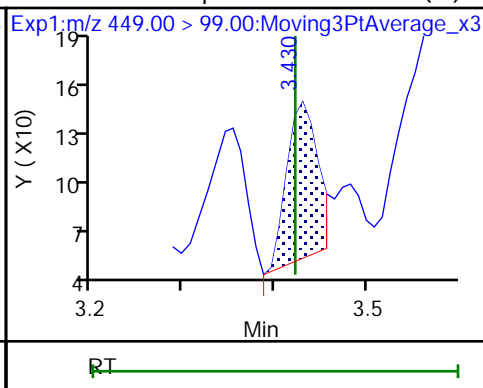
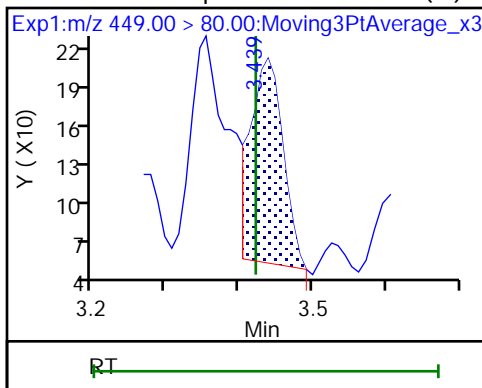
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



16 Perfluoroheptanesulfonic acid (M)

16 Perfluoroheptanesulfonic acid (M)

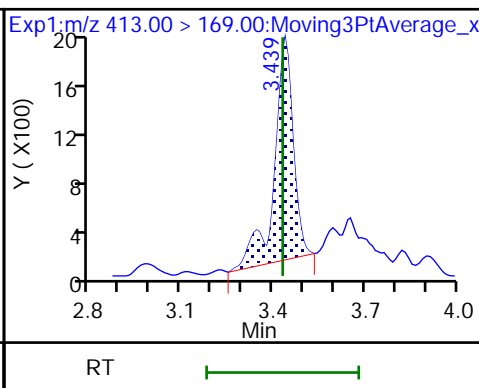
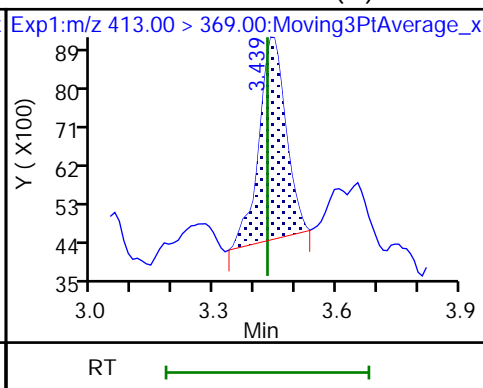
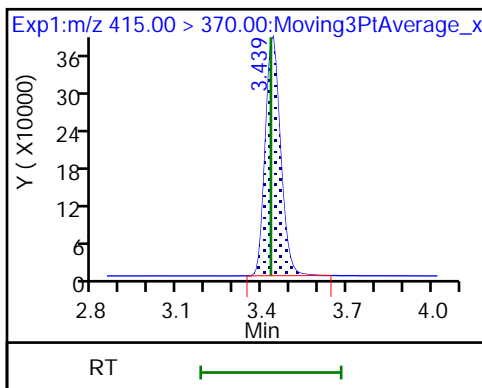
D 14 13C4 PFOA



* 62 13C2 PFOA

15 Perfluorooctanoic acid (M)

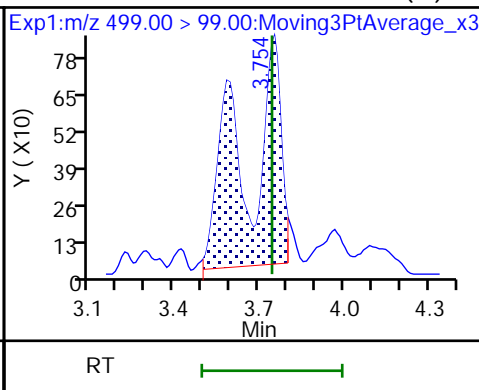
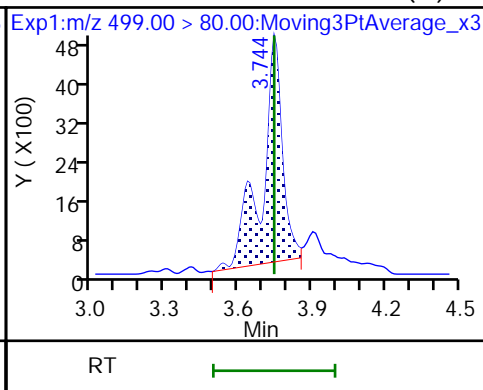
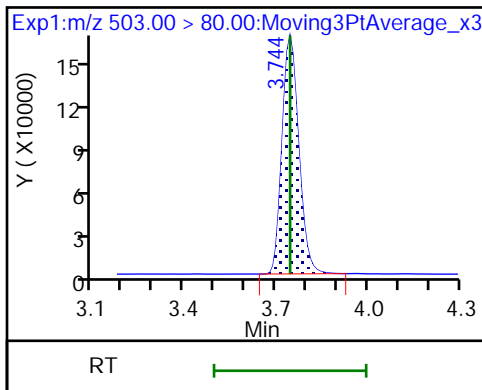
15 Perfluorooctanoic acid



D 18 13C4 PFOS

17 Perfluorooctanesulfonic acid (M)

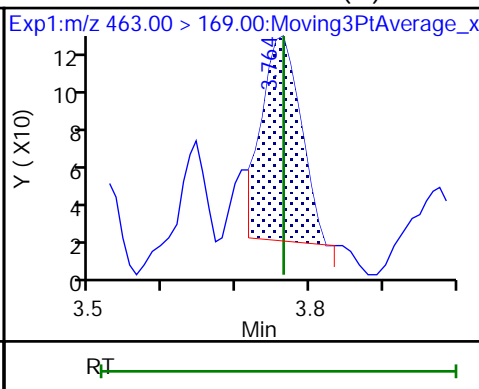
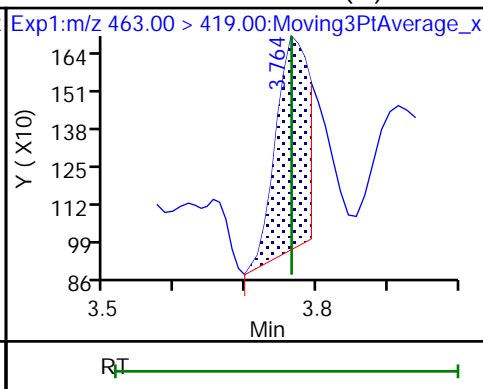
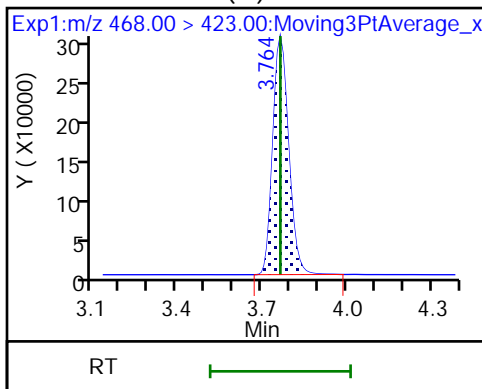
17 Perfluorooctanesulfonic acid (M)



D 19 13C5 PFNA (M)

20 Perfluorononanoic acid (M)

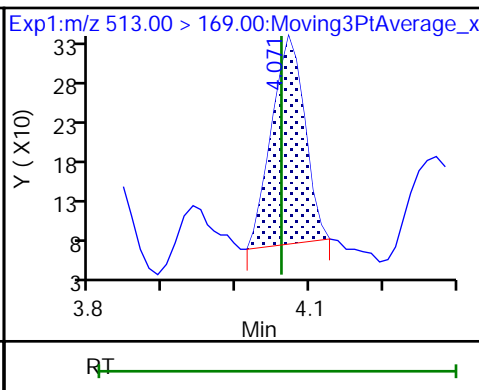
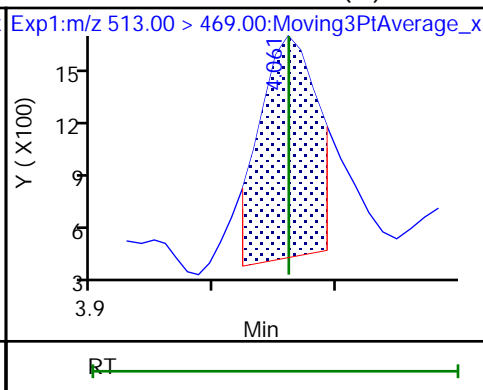
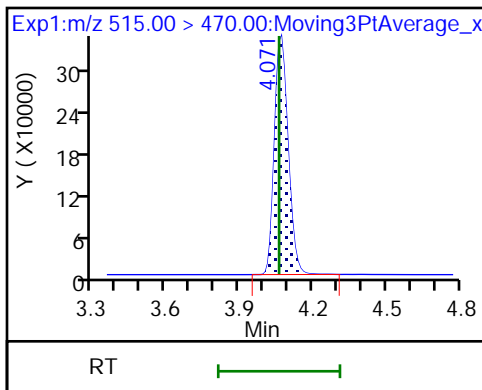
20 Perfluorononanoic acid (M)



D 23 13C2 PFDA

24 Perfluorodecanoic acid (M)

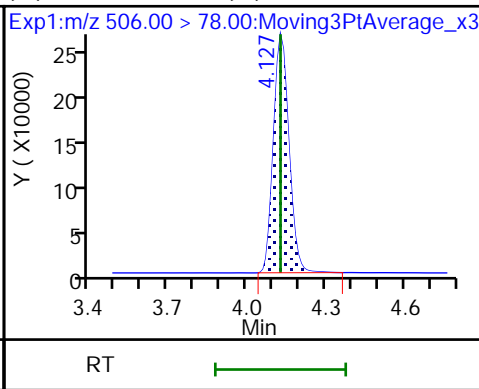
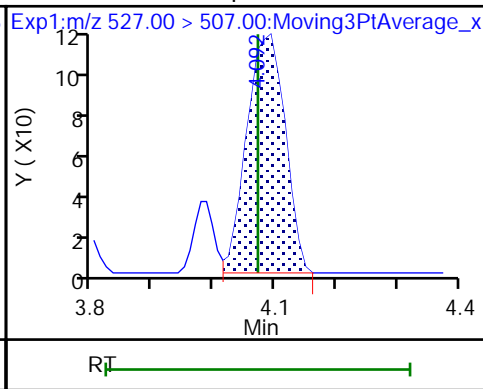
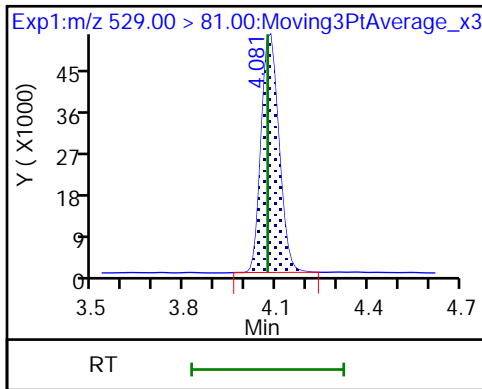
24 Perfluorodecanoic acid



D 26 M2-8:2 FTS

25 1H,1H,2H,2H-perfluorodecanesulfonic acid (M)

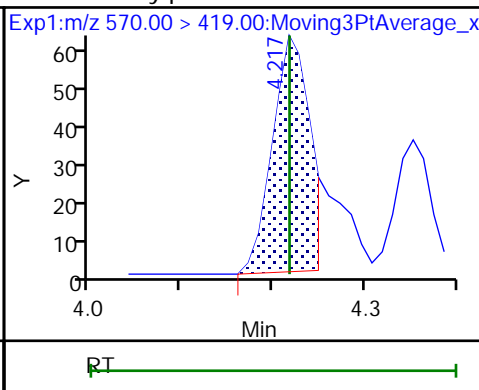
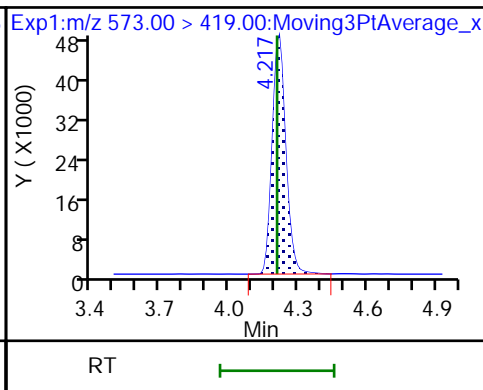
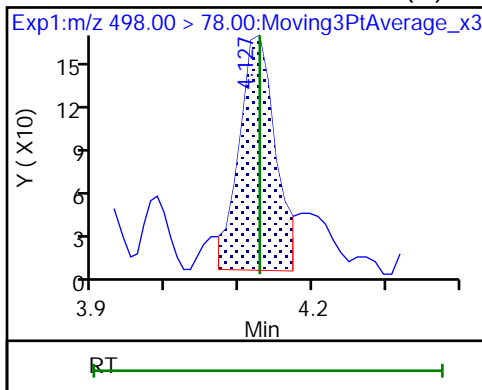
25 13C8 FOSA (M)



22 Perfluorooctanesulfonamide (M)

D 27 d3-NMeFOSAA

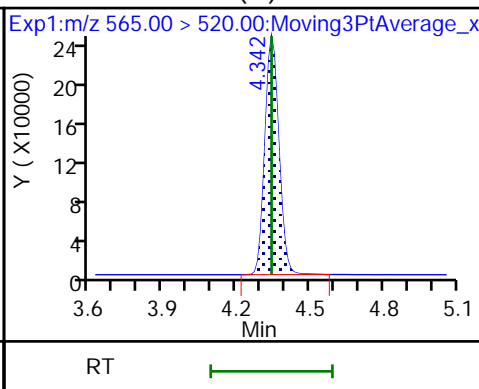
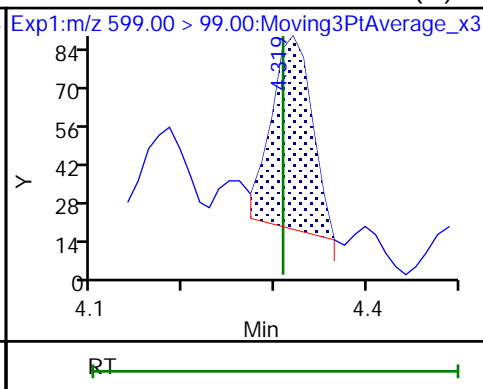
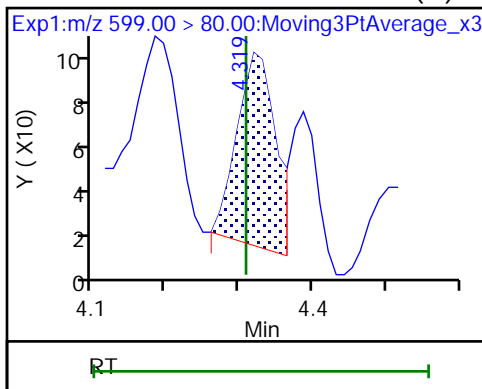
28 N-methylperfluorooctanesulfonami (M)



29 Perfluorodecanesulfonic acid (M)

29 Perfluorodecanesulfonic acid (M)

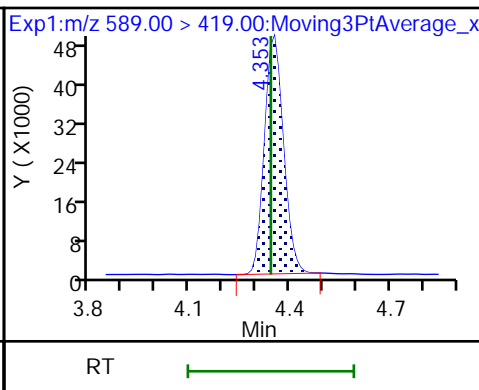
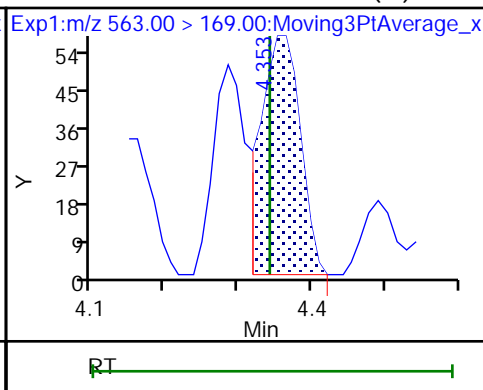
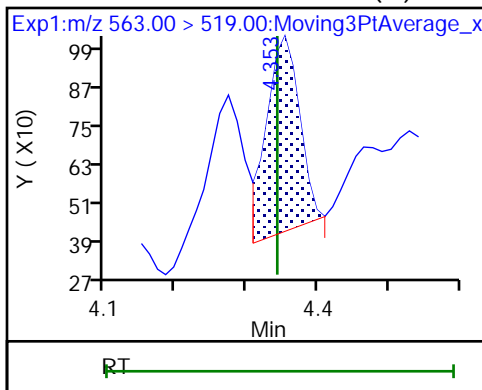
D 30 13C2 PFUnA (M)



31 Perfluoroundecanoic acid (M)

31 Perfluoroundecanoic acid (M)

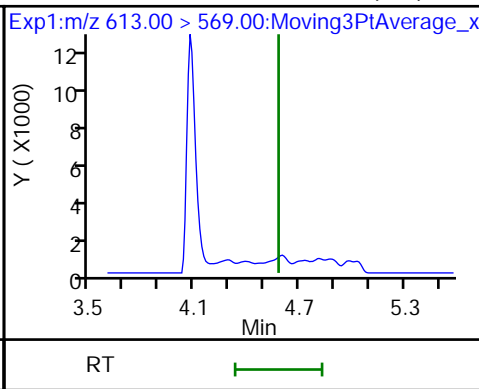
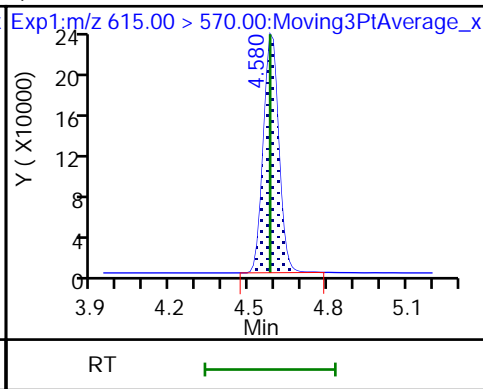
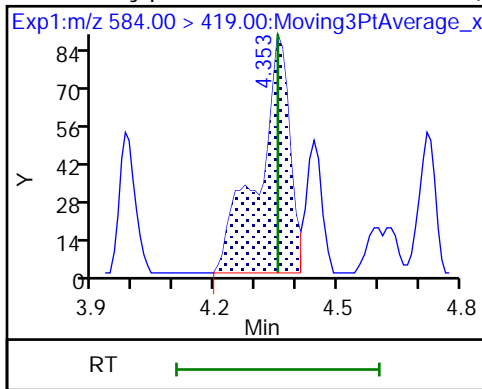
D 32 d5-NEtFOSAA

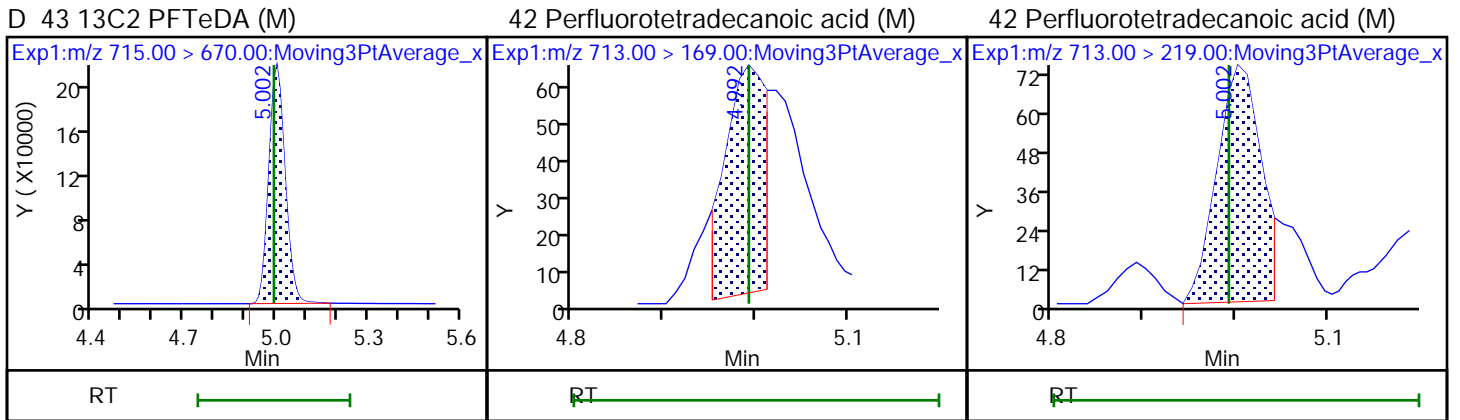
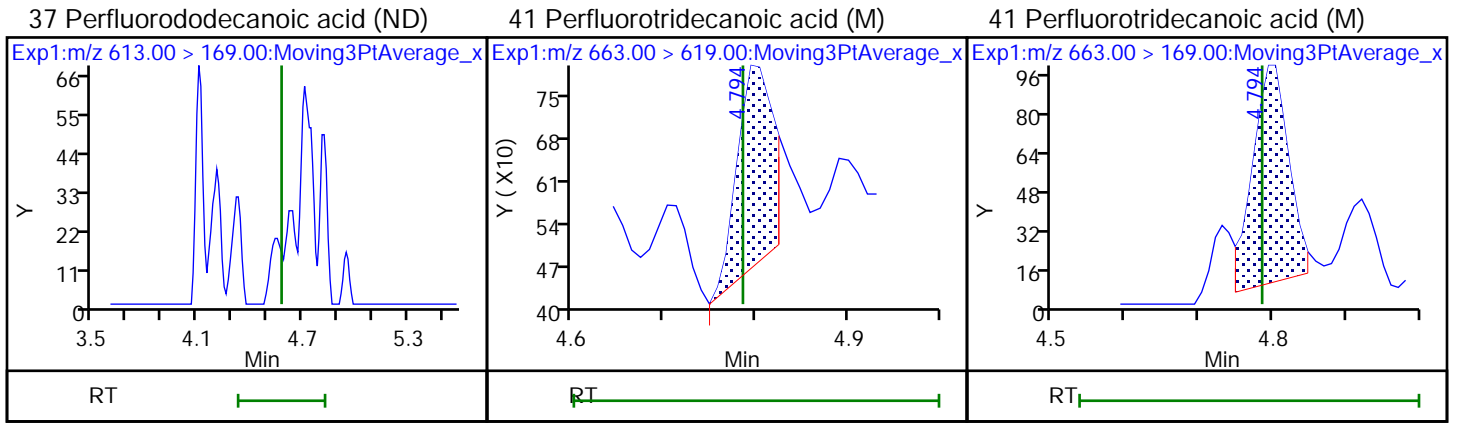


33 N-ethylperfluorooctanesulfonamid (ND)

36 13C2 PFDoA

37 Perfluorododecanoic acid (ND)





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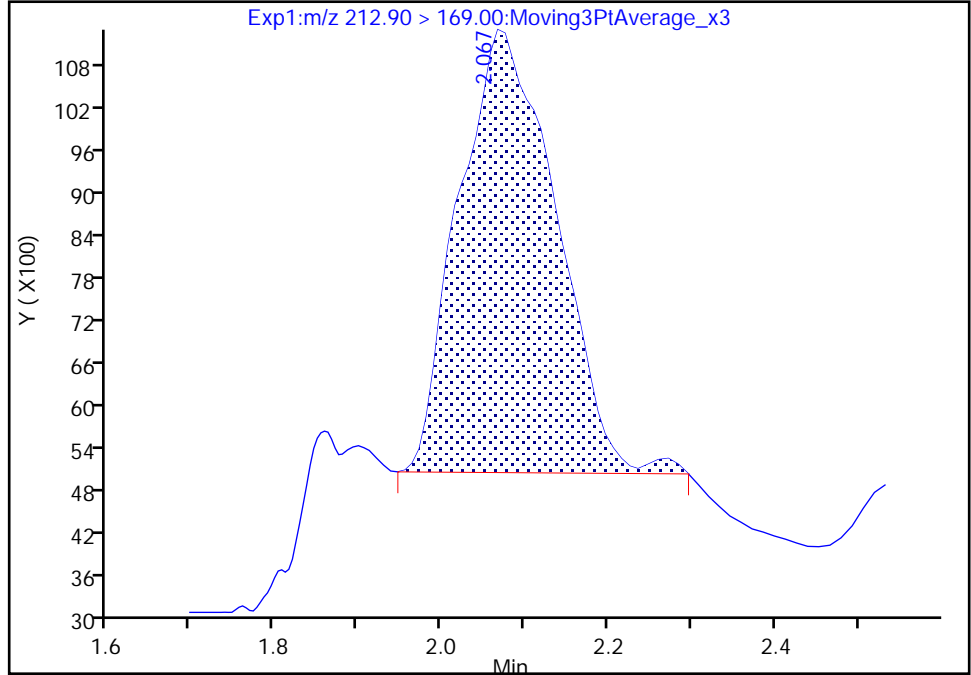
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Injection Date: 02-Sep-2022 20:14:56 Instrument ID: LC812
Lims ID: 460-264366-A-1-A Lab Sample ID: 200-264366-1
Client ID: BCS-09-17 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

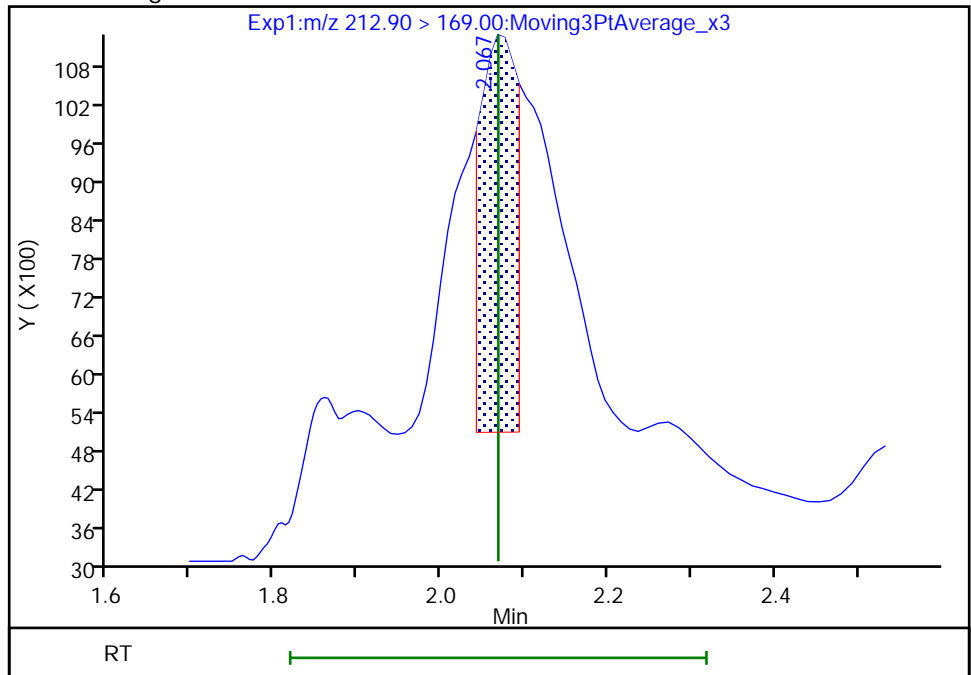
RT: 2.07
Area: 50682
Amount: 0.044231
Amount Units: ng/ml

Processing Integration Results



RT: 2.07
Area: 17683
Amount: 0.015432
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 12:13:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Euofins Burlington

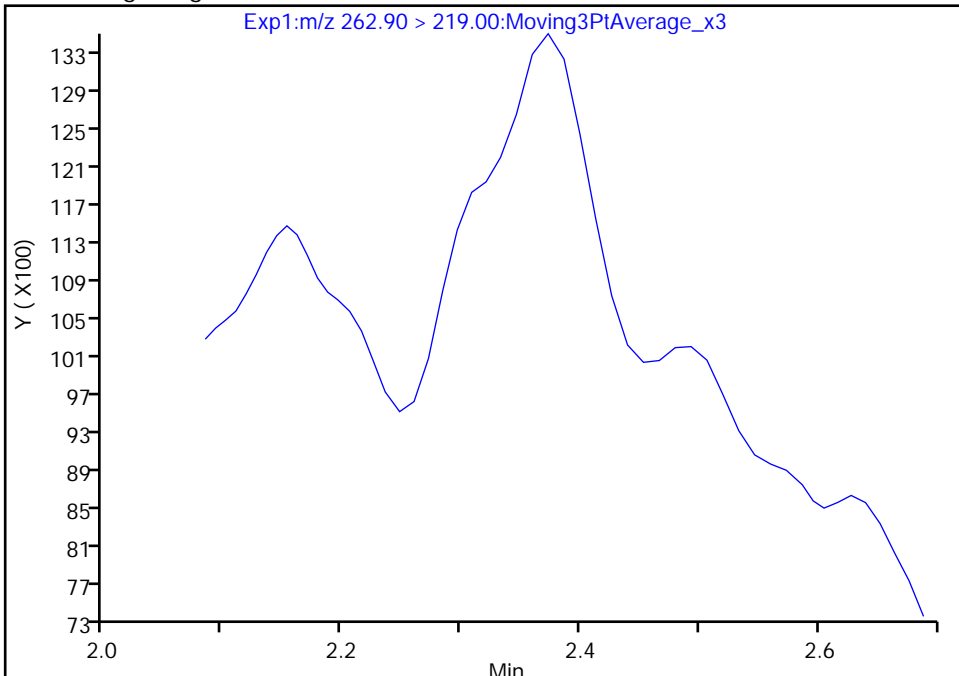
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B22.d
Injection Date: 02-Sep-2022 20:14:56 Instrument ID: LC812
Lims ID: 460-264366-A-1-A Lab Sample ID: 200-264366-1
Client ID: BCS-09-17 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

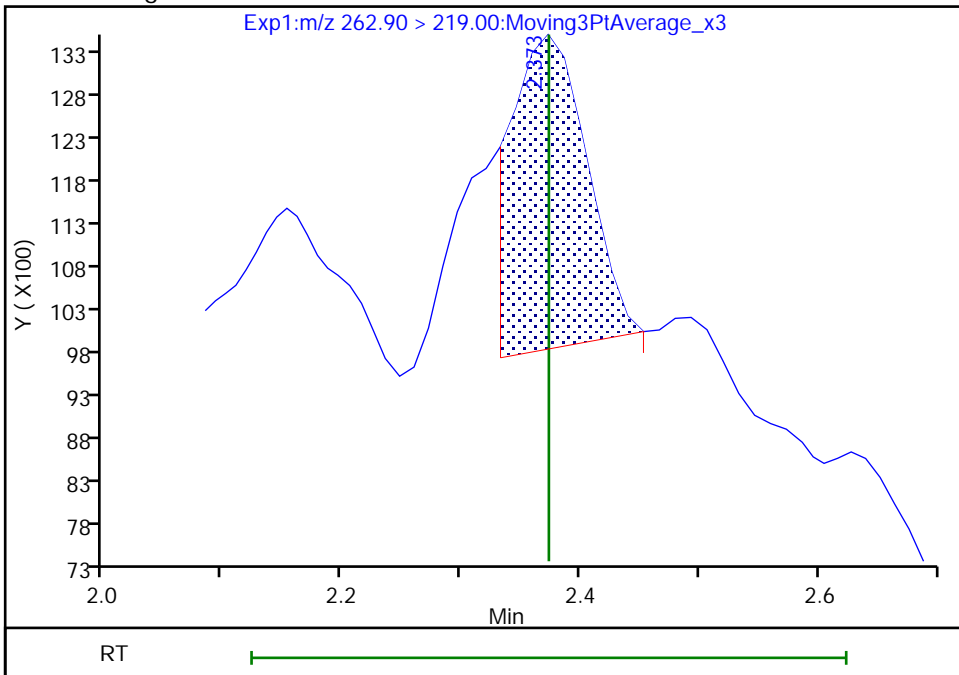
Not Detected
Expected RT: 2.37

Processing Integration Results



Manual Integration Results

RT: 2.37
Area: 15738
Amount: 0.014768
Amount Units: ng/ml



Reviewer: nampitakw, 05-Sep-2022 12:13:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

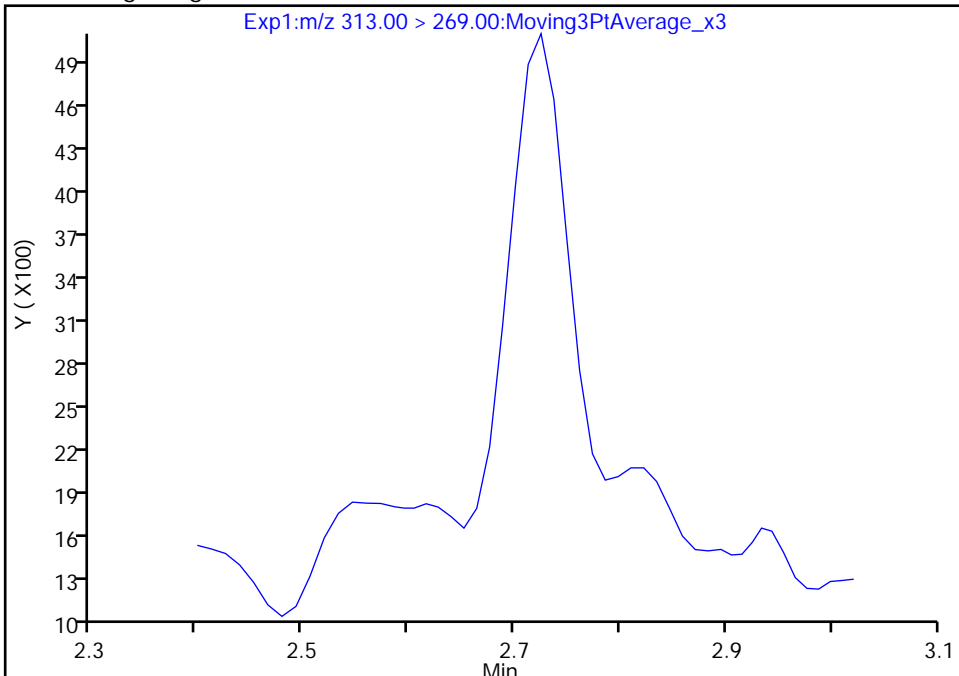
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Injection Date: 02-Sep-2022 20:14:56 Instrument ID: LC812
Lims ID: 460-264366-A-1-A Lab Sample ID: 200-264366-1
Client ID: BCS-09-17 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

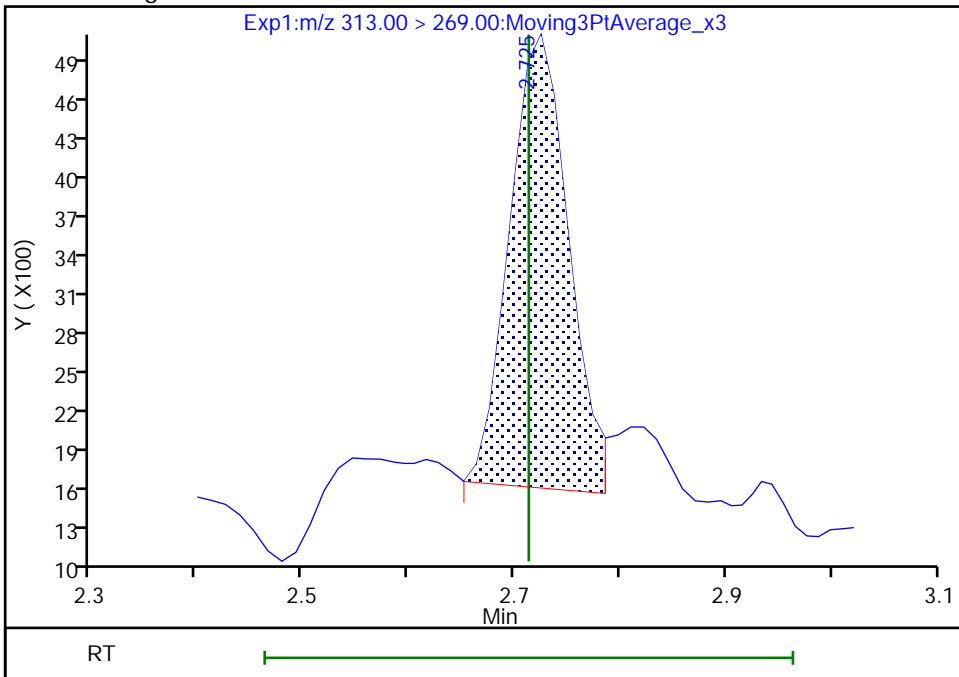
Signal: 1

Not Detected
Expected RT: 2.71

Processing Integration Results



Manual Integration Results



RT: 2.73
Area: 13256
Amount: 0.012651
Amount Units: ng/ml

Reviewer: nampitakw, 05-Sep-2022 12:13:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

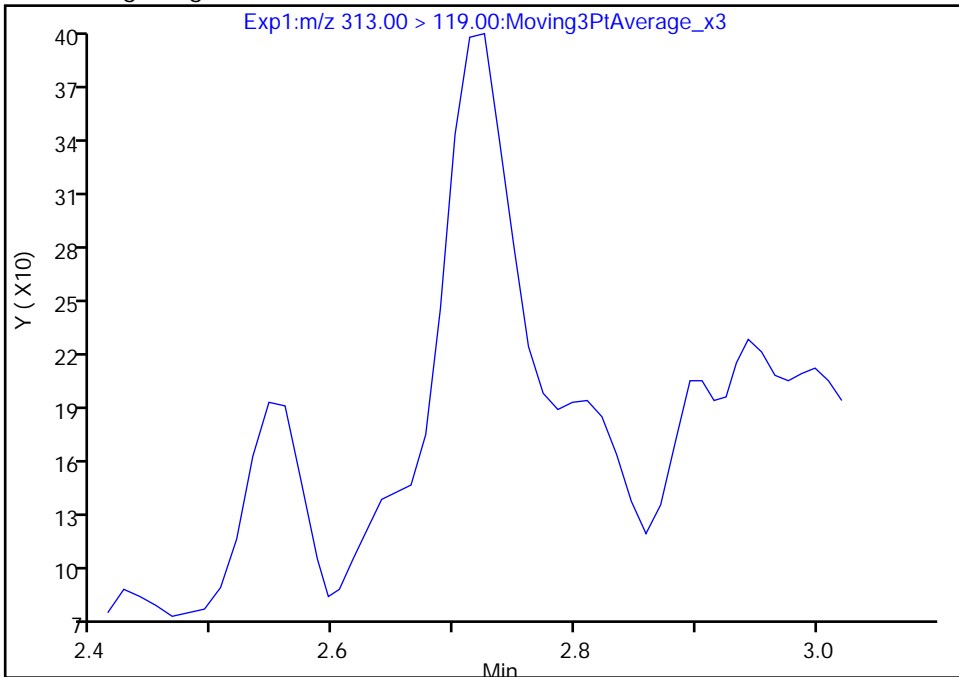
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Injection Date: 02-Sep-2022 20:14:56 Instrument ID: LC812
Lims ID: 460-264366-A-1-A Lab Sample ID: 200-264366-1
Client ID: BCS-09-17 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

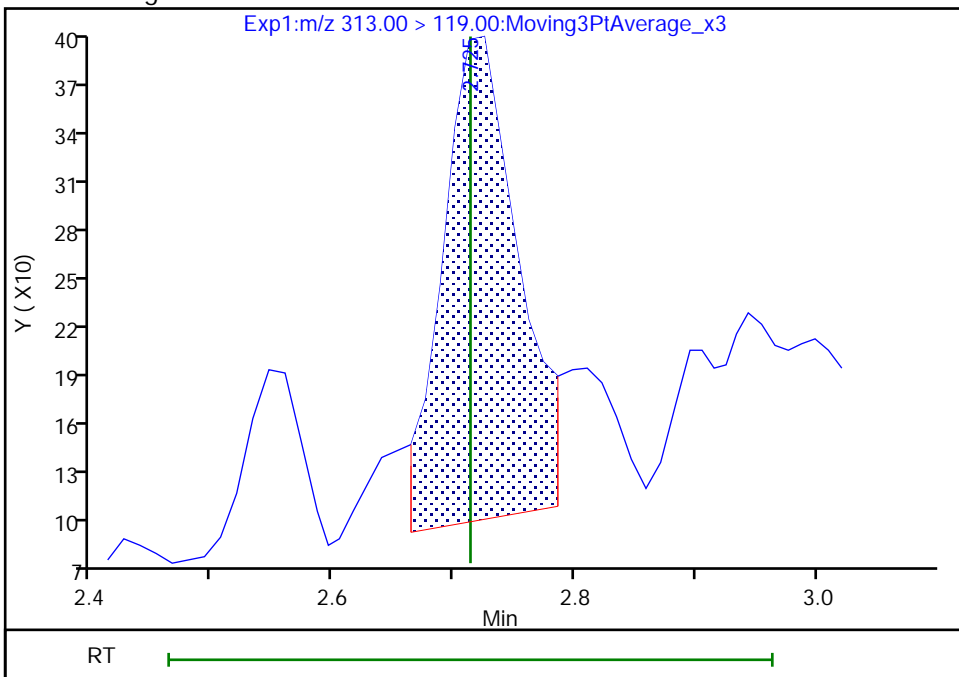
Not Detected
Expected RT: 2.71

Processing Integration Results



Manual Integration Results

RT: 2.73
Area: 1281
Amount: 0.012651
Amount Units: ng/ml



Eurofins Burlington

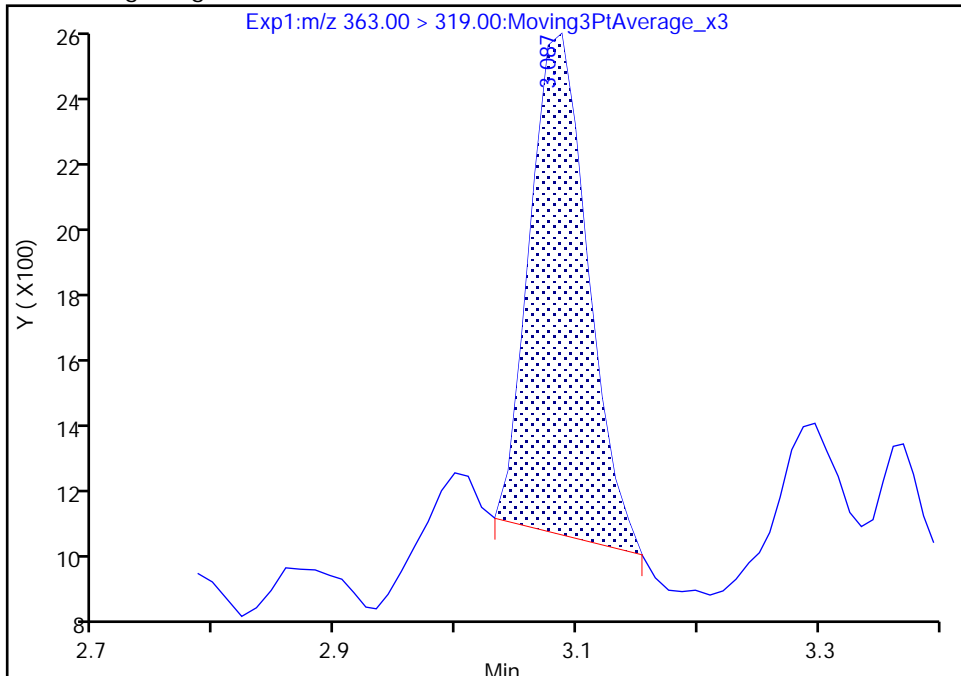
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Injection Date: 02-Sep-2022 20:14:56 Instrument ID: LC812
Lims ID: 460-264366-A-1-A Lab Sample ID: 200-264366-1
Client ID: BCS-09-17 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

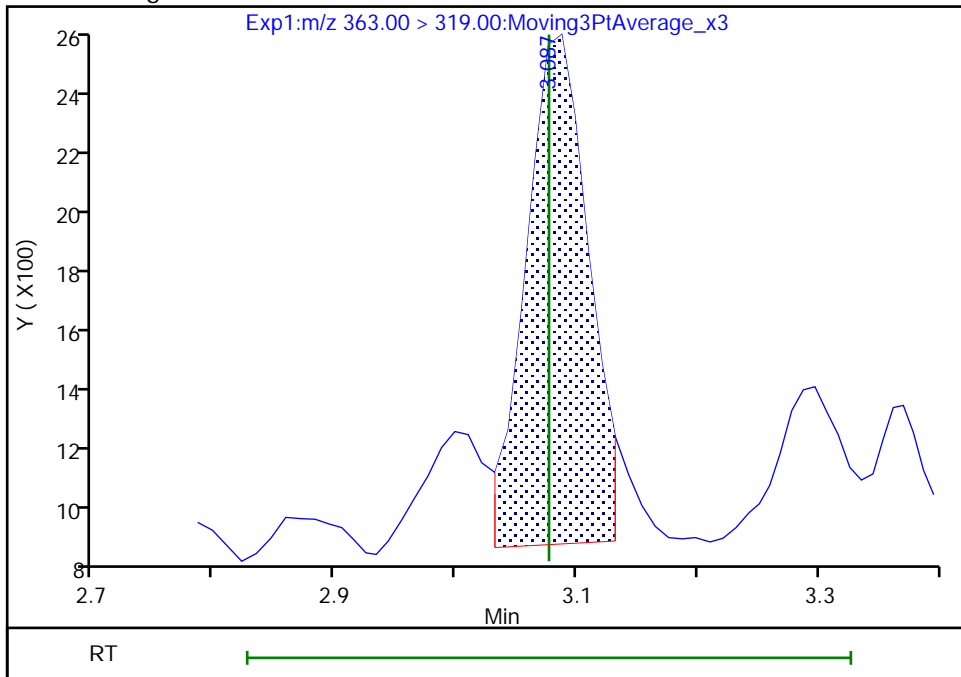
RT: 3.09
Area: 4842
Amount: 0.004845
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 5833
Amount: 0.005837
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

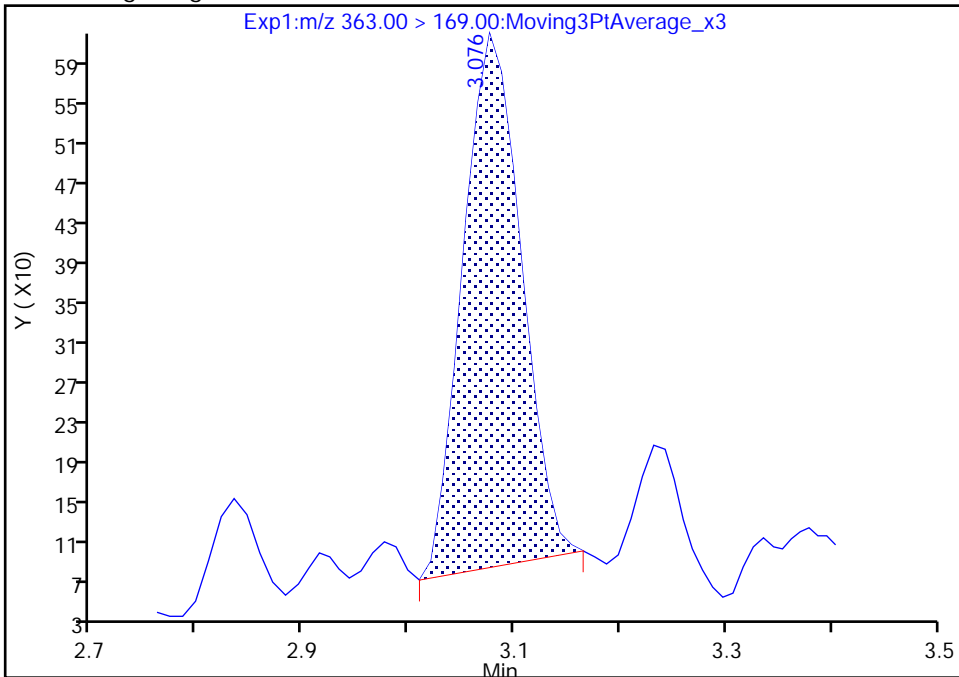
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B22.d
Injection Date: 02-Sep-2022 20:14:56 Instrument ID: LC812
Lims ID: 460-264366-A-1-A Lab Sample ID: 200-264366-1
Client ID: BCS-09-17 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

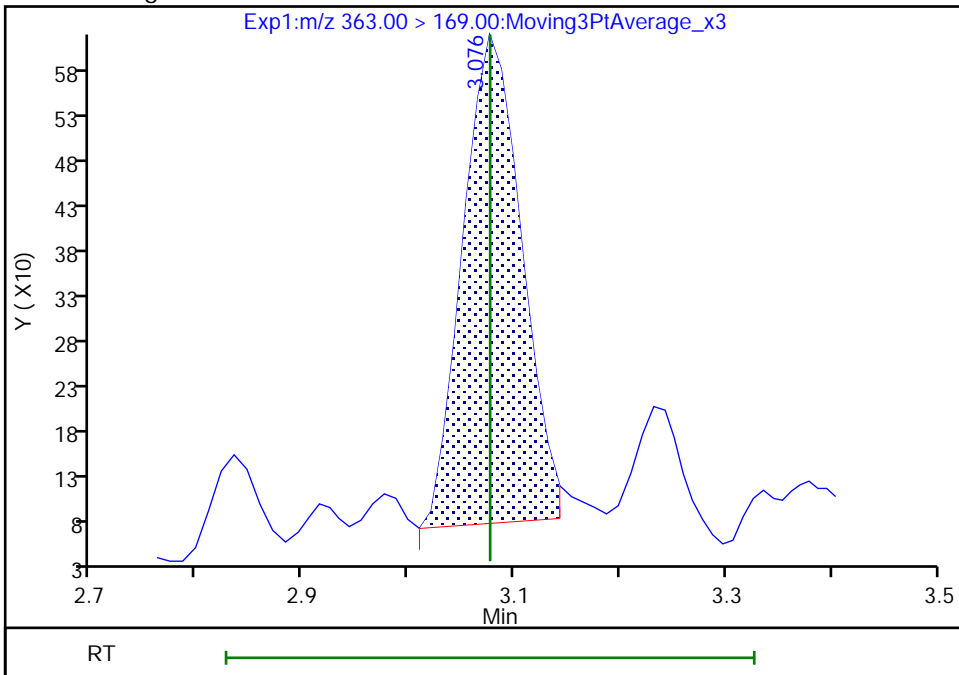
RT: 3.08
Area: 2033
Amount: 0.004845
Amount Units: ng/ml

Processing Integration Results



RT: 3.08
Area: 2075
Amount: 0.005837
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Sep-2022 12:14:16

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

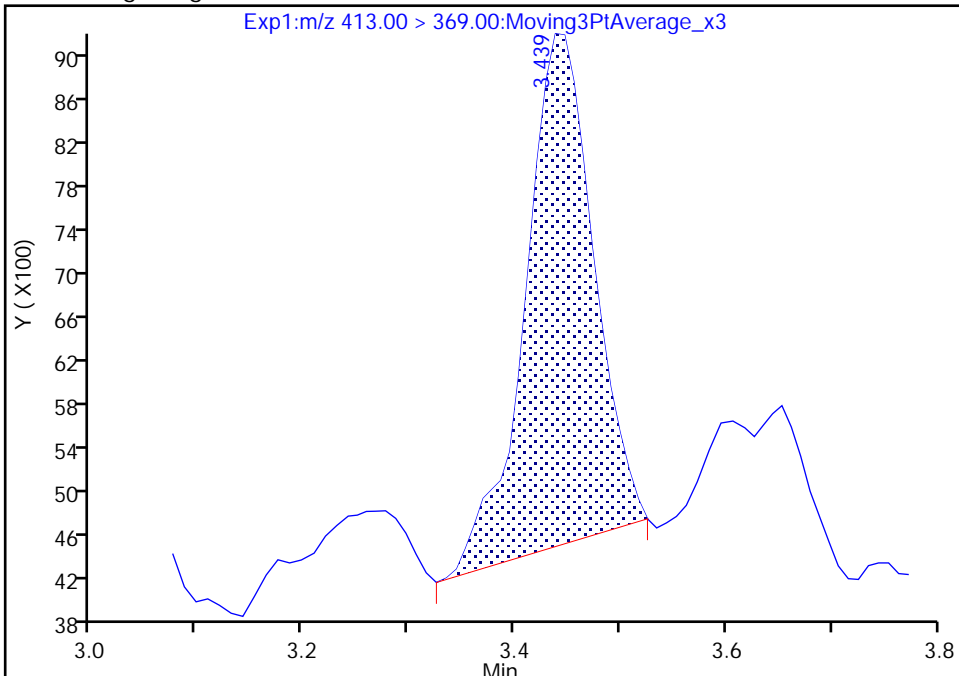
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B22.d
Injection Date: 02-Sep-2022 20:14:56 Instrument ID: LC812
Lims ID: 460-264366-A-1-A Lab Sample ID: 200-264366-1
Client ID: BCS-09-17 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

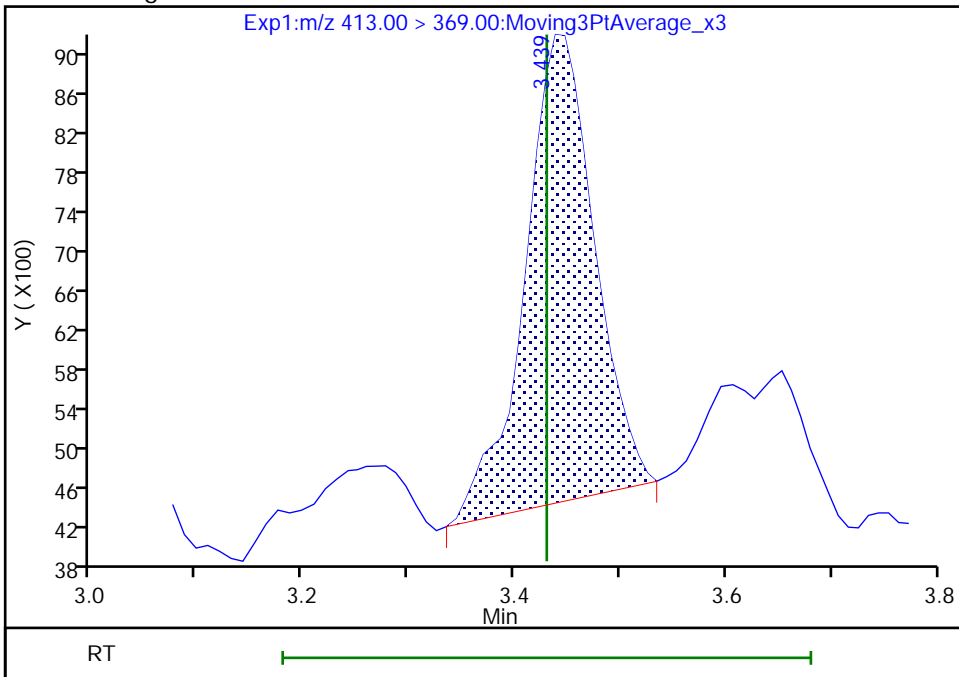
RT: 3.44
Area: 21163
Amount: 0.018488
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 21708
Amount: 0.018964
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 12:14:53
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

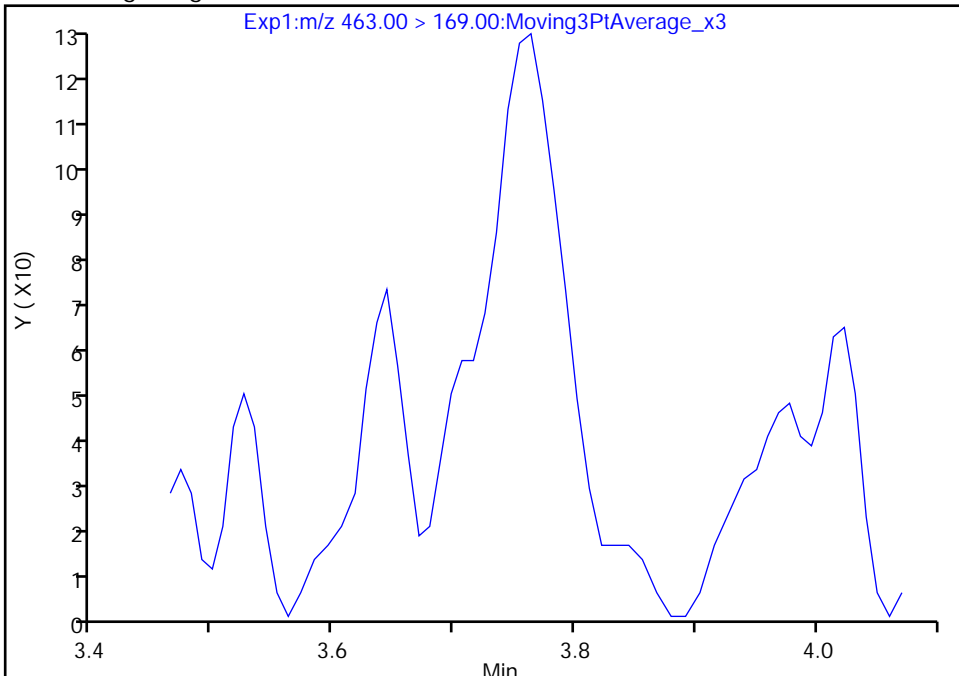
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B22.d
Injection Date: 02-Sep-2022 20:14:56 Instrument ID: LC812
Lims ID: 460-264366-A-1-A Lab Sample ID: 200-264366-1
Client ID: BCS-09-17 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

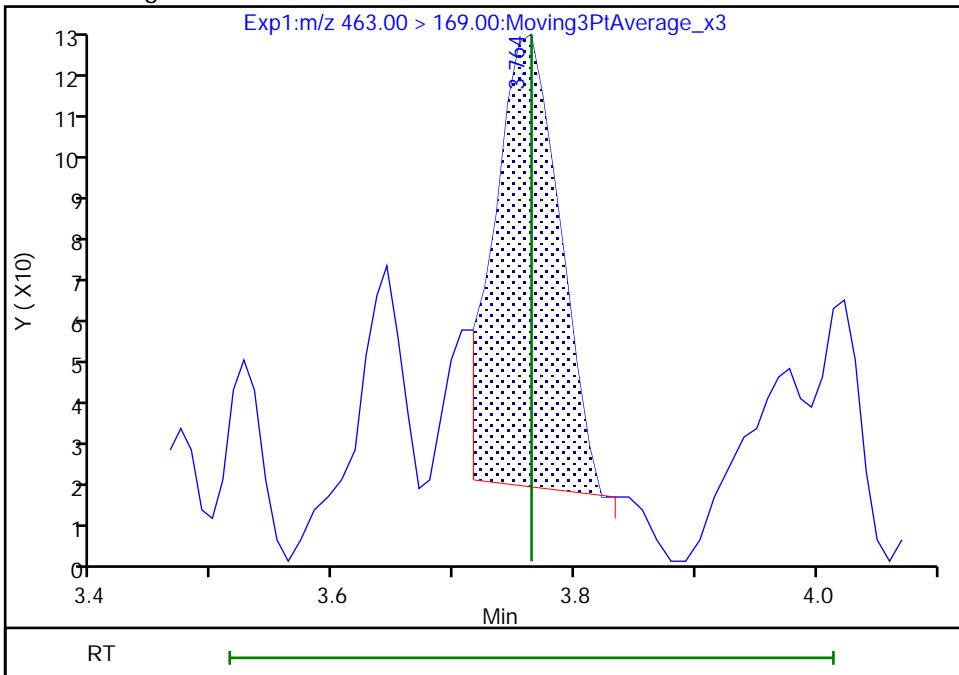
Not Detected
Expected RT: 3.76

Processing Integration Results



Manual Integration Results

RT: 3.76
Area: 391
Amount: 0.002324
Amount Units: ng/ml



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

Audit Reason: Incomplete Integration

Eurofins Burlington

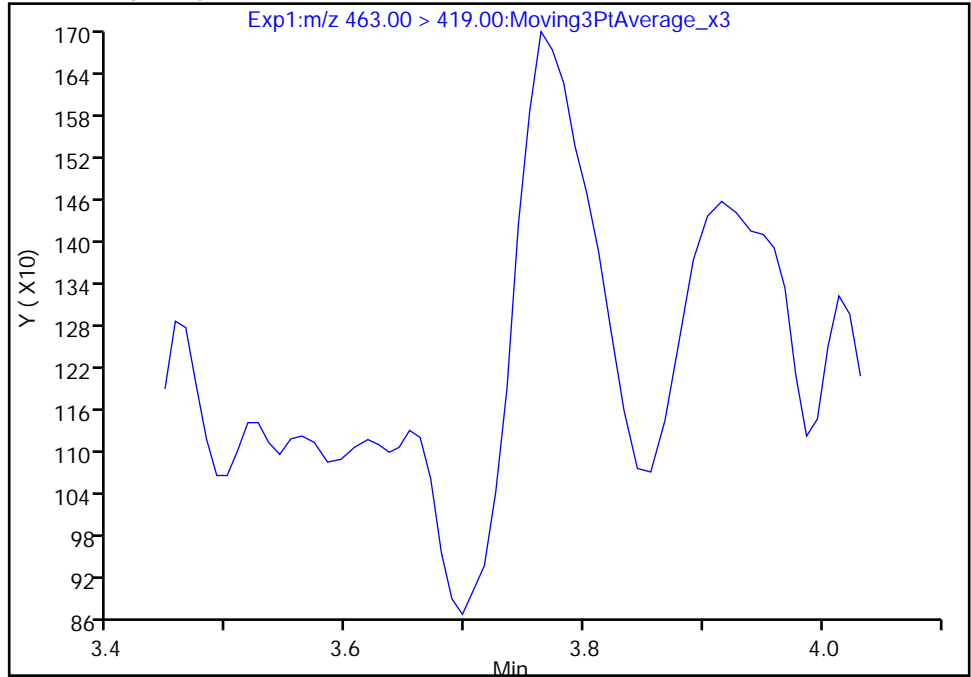
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B22.d
Injection Date: 02-Sep-2022 20:14:56 Instrument ID: LC812
Lims ID: 460-264366-A-1-A Lab Sample ID: 200-264366-1
Client ID: BCS-09-17 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

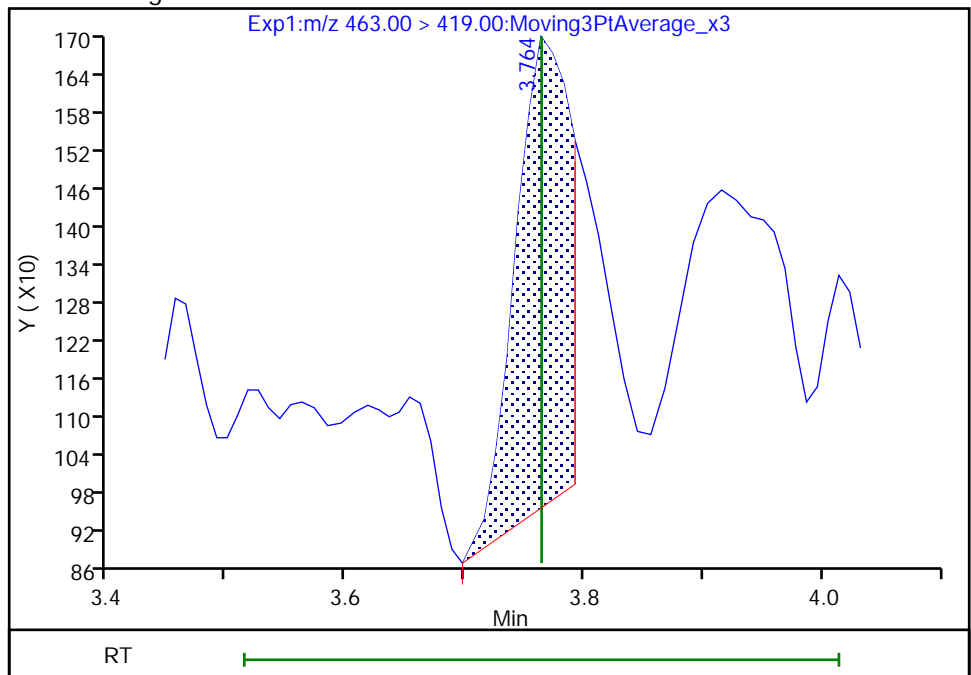
Not Detected
Expected RT: 3.76

Processing Integration Results



Manual Integration Results

RT: 3.76
Area: 2265
Amount: 0.002324
Amount Units: ng/ml



Eurofins Burlington

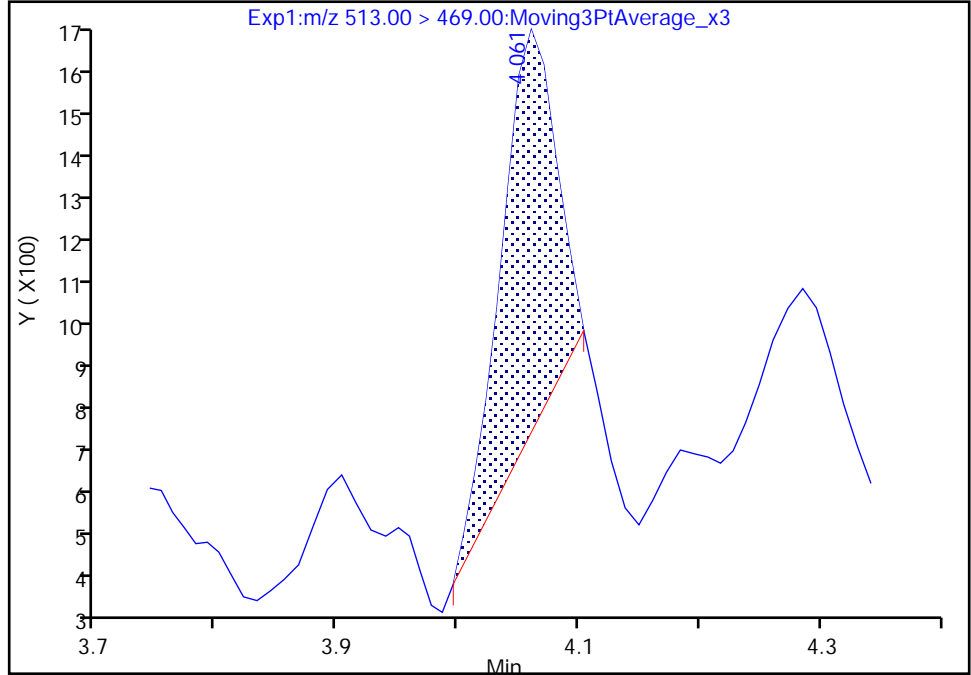
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B22.d
Injection Date: 02-Sep-2022 20:14:56 Instrument ID: LC812
Lims ID: 460-264366-A-1-A Lab Sample ID: 200-264366-1
Client ID: BCS-09-17 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

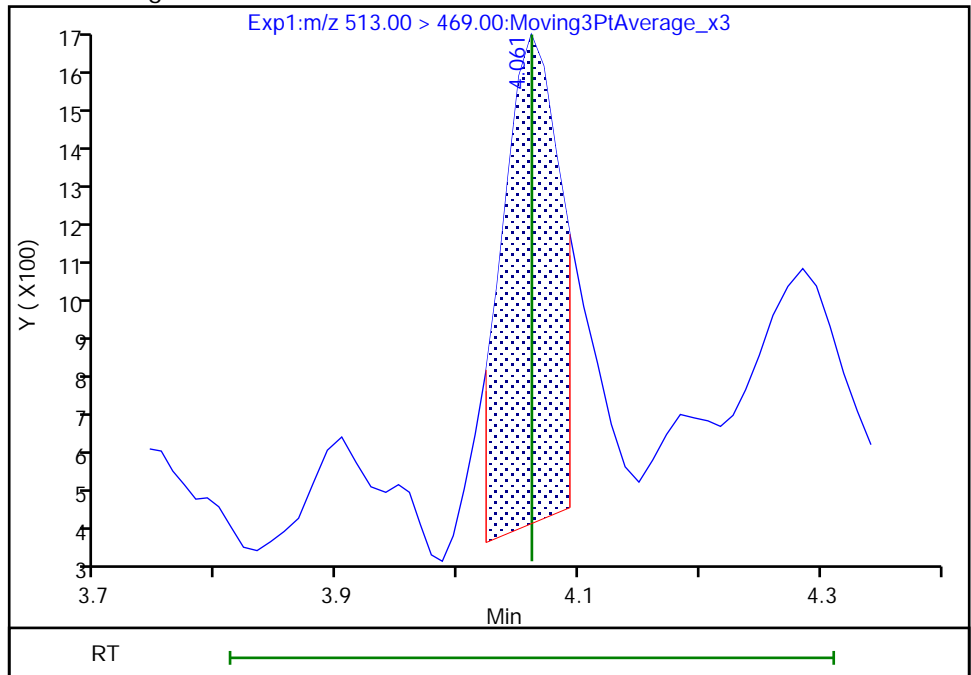
RT: 4.06
Area: 2722
Amount: 0.002392
Amount Units: ng/ml

Processing Integration Results



RT: 4.06
Area: 3641
Amount: 0.003200
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 12:15:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

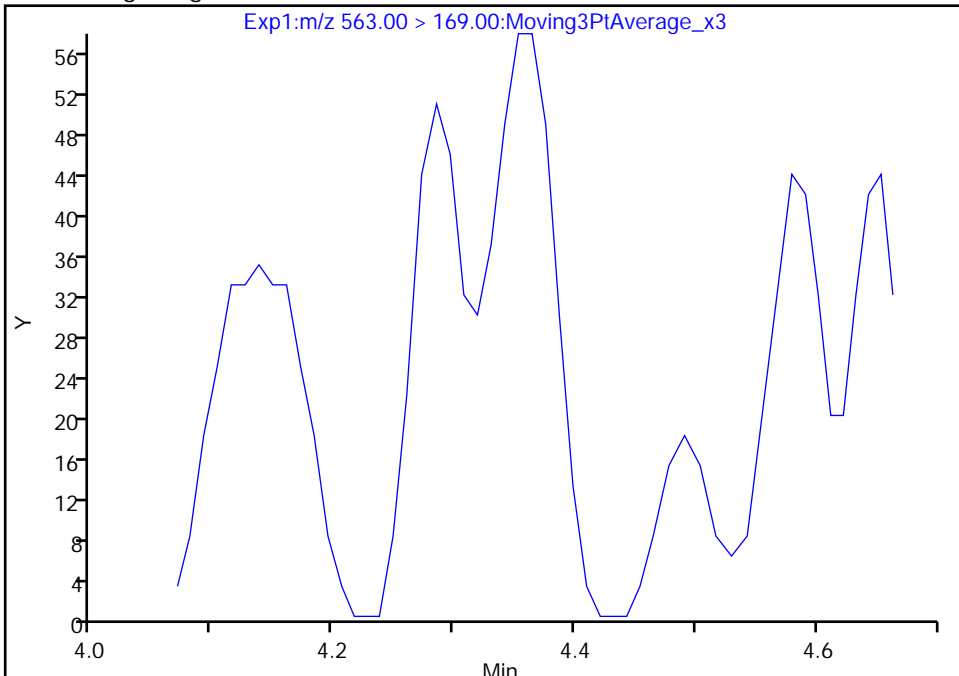
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Injection Date: 02-Sep-2022 20:14:56 Instrument ID: LC812
Lims ID: 460-264366-A-1-A Lab Sample ID: 200-264366-1
Client ID: BCS-09-17 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

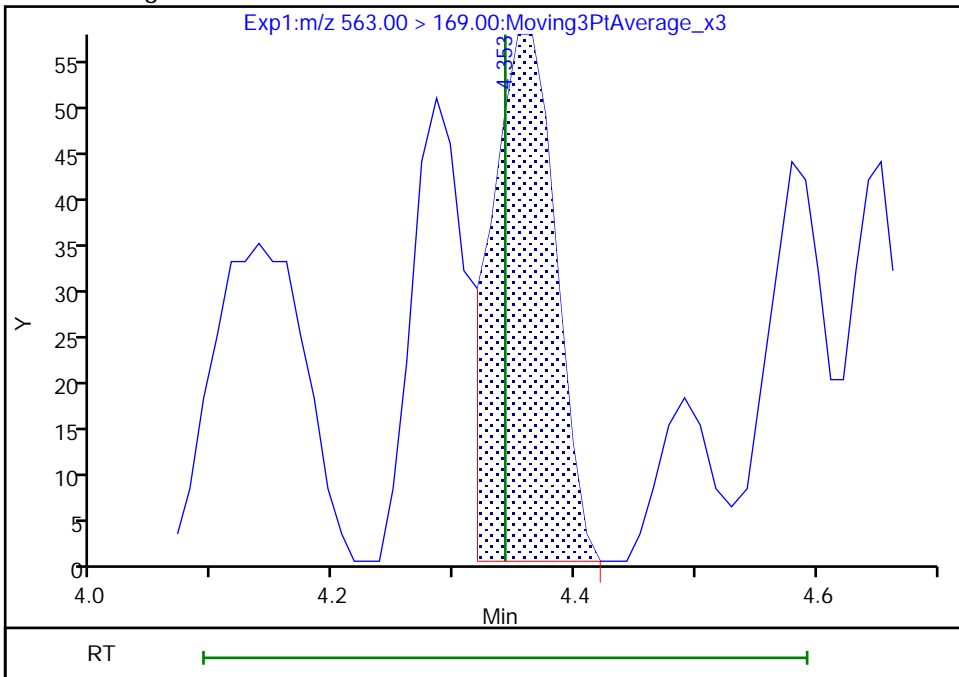
Not Detected
Expected RT: 4.34

Processing Integration Results



RT: 4.35
Area: 211
Amount: 0.002475
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 12:17:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

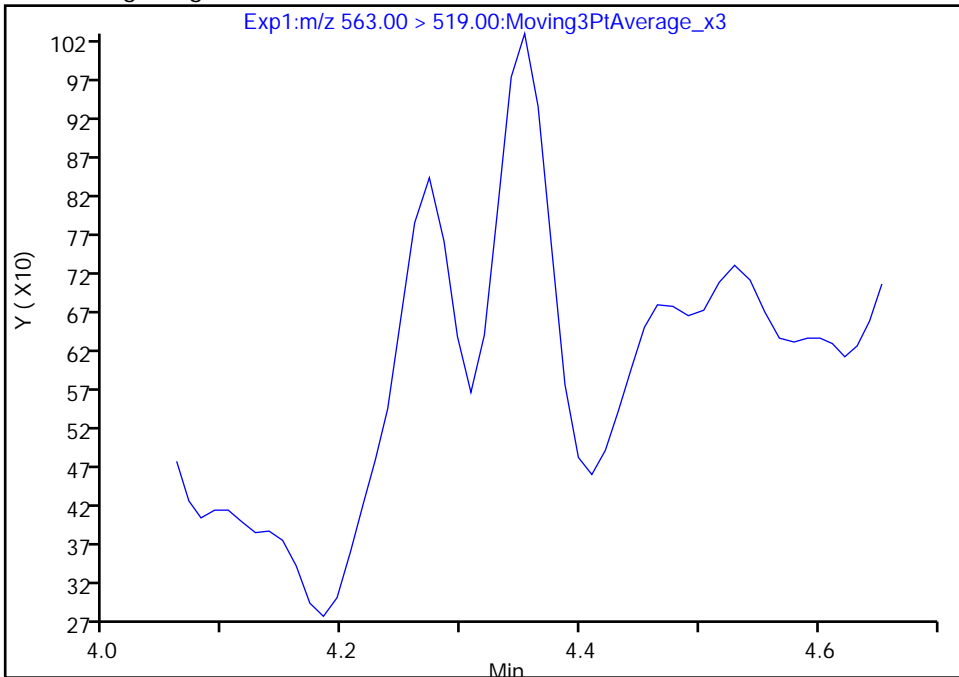
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Injection Date: 02-Sep-2022 20:14:56 Instrument ID: LC812
Lims ID: 460-264366-A-1-A Lab Sample ID: 200-264366-1
Client ID: BCS-09-17 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

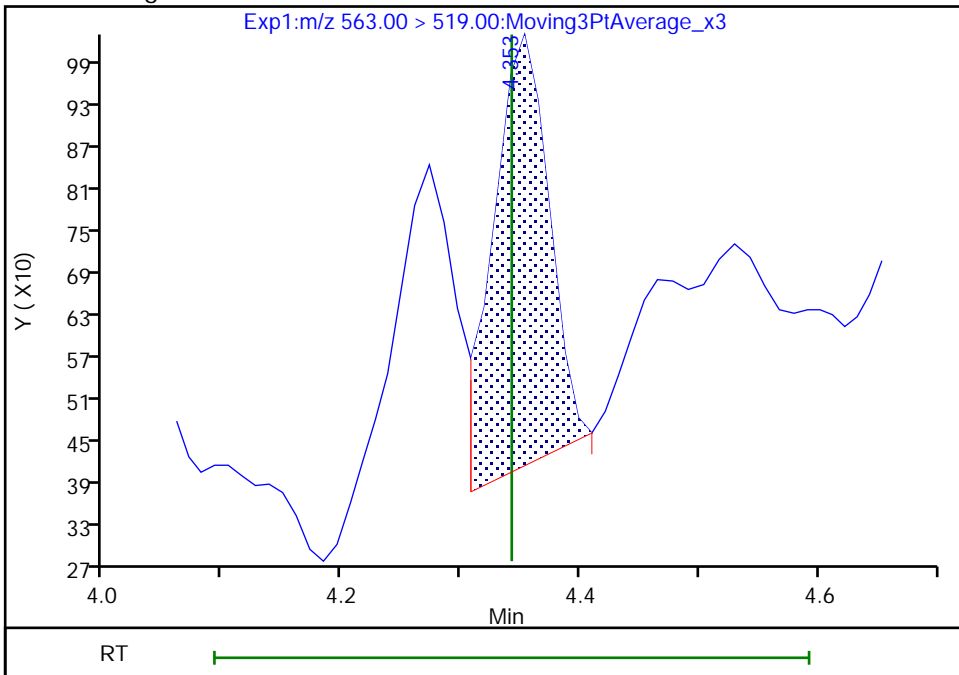
Not Detected
Expected RT: 4.34

Processing Integration Results



Manual Integration Results

RT: 4.35
Area: 1995
Amount: 0.002475
Amount Units: ng/ml



Eurofins Burlington

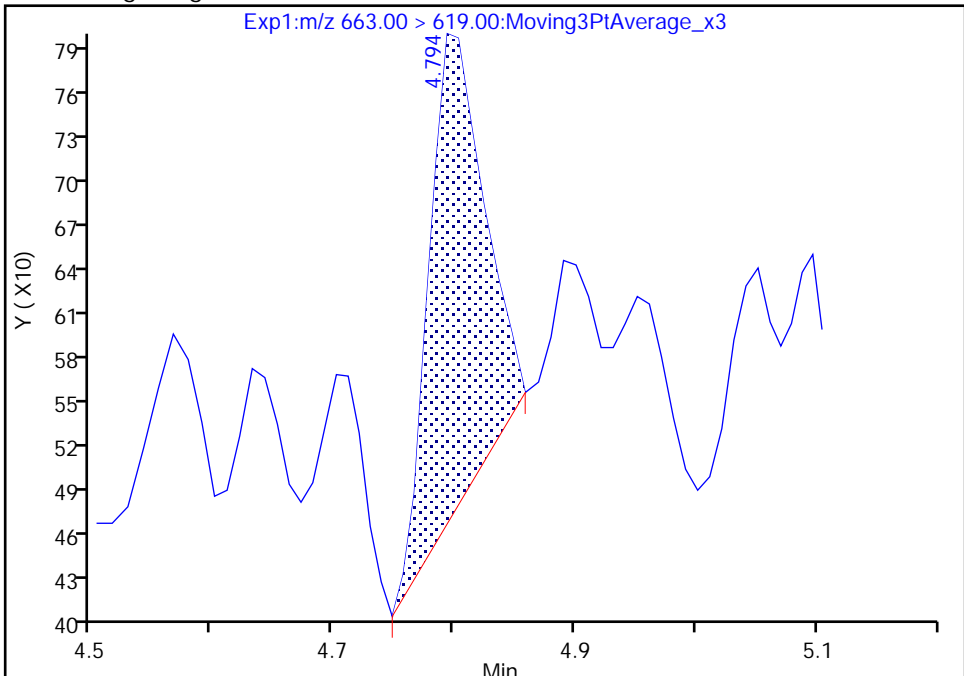
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B22.d
Injection Date: 02-Sep-2022 20:14:56 Instrument ID: LC812
Lims ID: 460-264366-A-1-A Lab Sample ID: 200-264366-1
Client ID: BCS-09-17 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

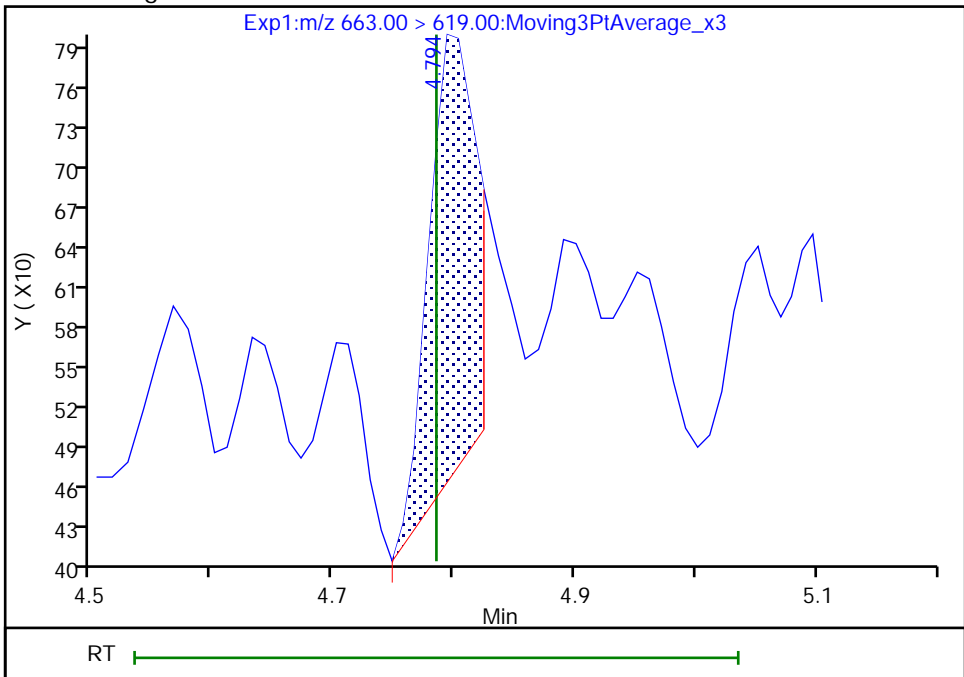
RT: 4.79
Area: 1008
Amount: 0.001539
Amount Units: ng/ml

Processing Integration Results



RT: 4.79
Area: 849
Amount: 0.001296
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 12:18:20
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

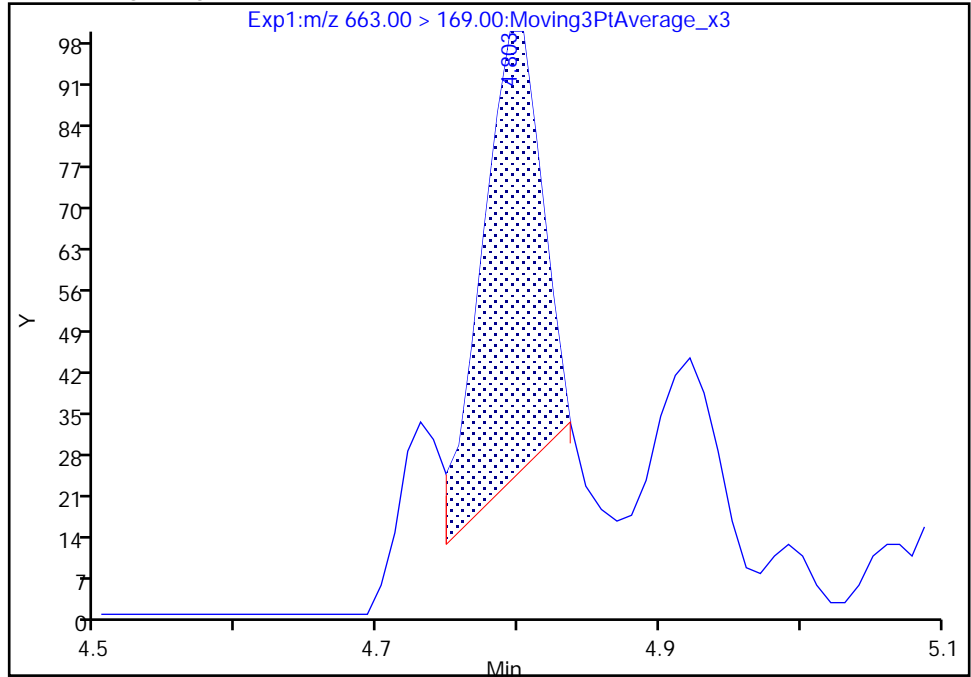
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B22.d
Injection Date: 02-Sep-2022 20:14:56 Instrument ID: LC812
Lims ID: 460-264366-A-1-A Lab Sample ID: 200-264366-1
Client ID: BCS-09-17 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

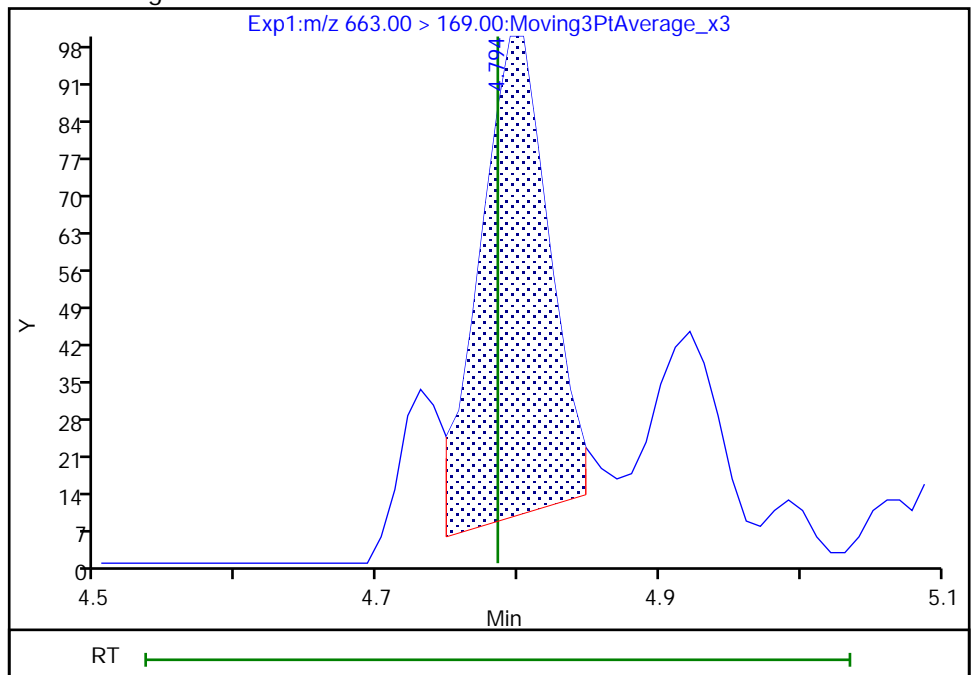
RT: 4.80
Area: 225
Amount: 0.001539
Amount Units: ng/ml

Processing Integration Results



RT: 4.79
Area: 309
Amount: 0.001296
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Sep-2022 12:18:22

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

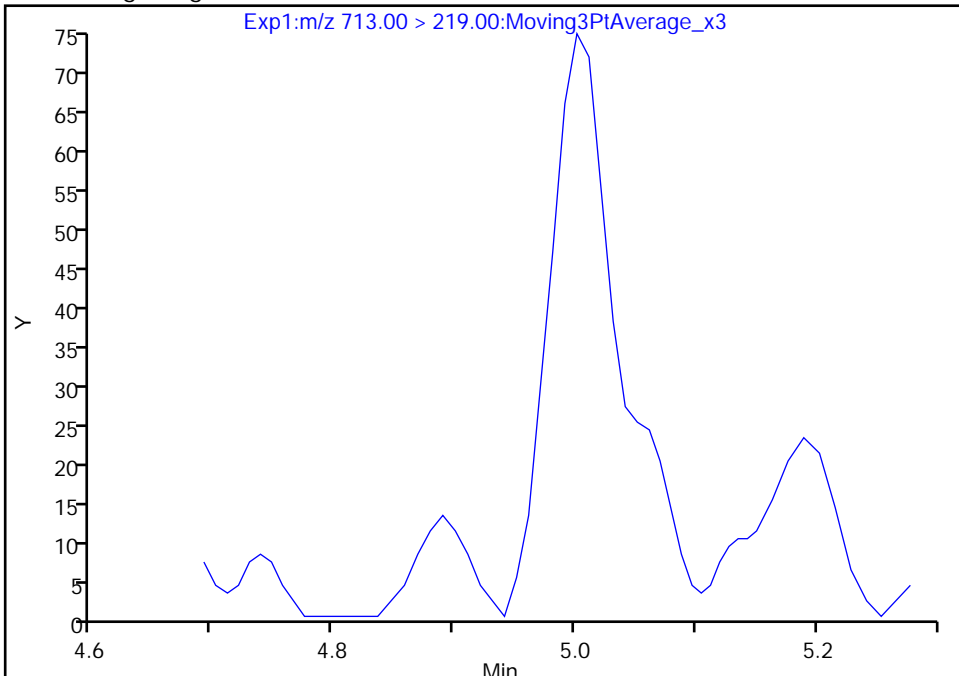
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B22.d
Injection Date: 02-Sep-2022 20:14:56 Instrument ID: LC812
Lims ID: 460-264366-A-1-A Lab Sample ID: 200-264366-1
Client ID: BCS-09-17 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

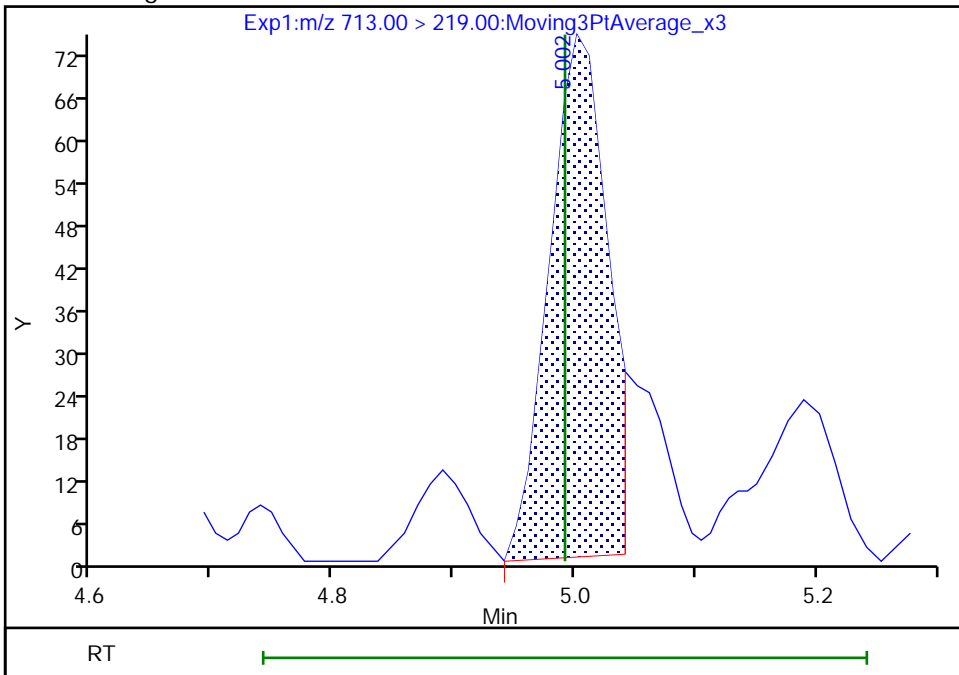
Not Detected
Expected RT: 4.99

Processing Integration Results



Manual Integration Results

RT: 5.00
Area: 245
Amount: 0.001760
Amount Units: ng/ml



Reviewer: nampitakw, 05-Sep-2022 12:18:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

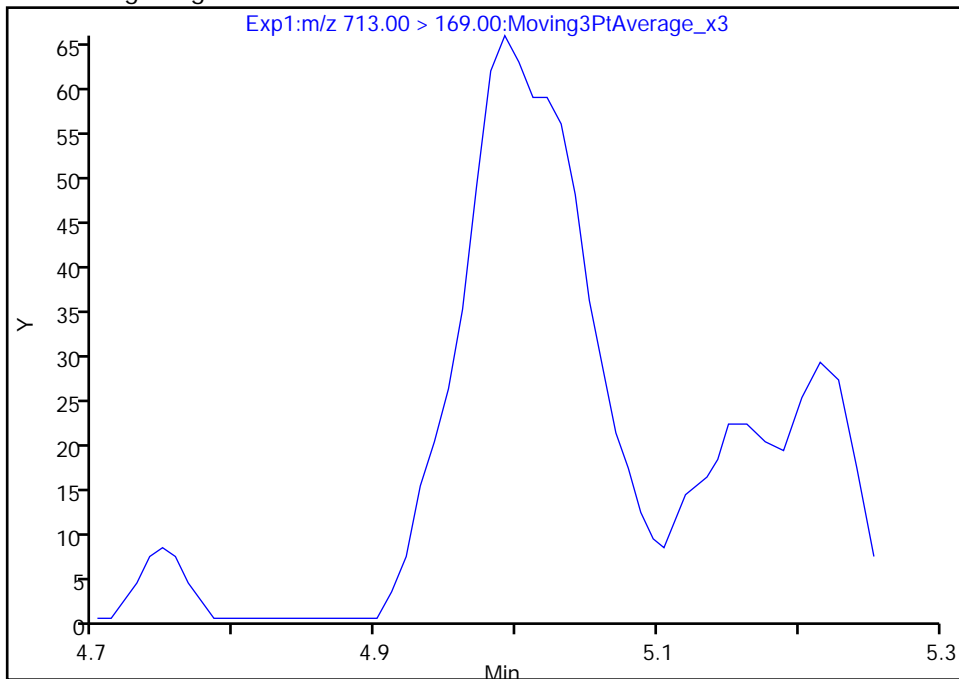
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B22.d
Injection Date: 02-Sep-2022 20:14:56 Instrument ID: LC812
Lims ID: 460-264366-A-1-A Lab Sample ID: 200-264366-1
Client ID: BCS-09-17 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

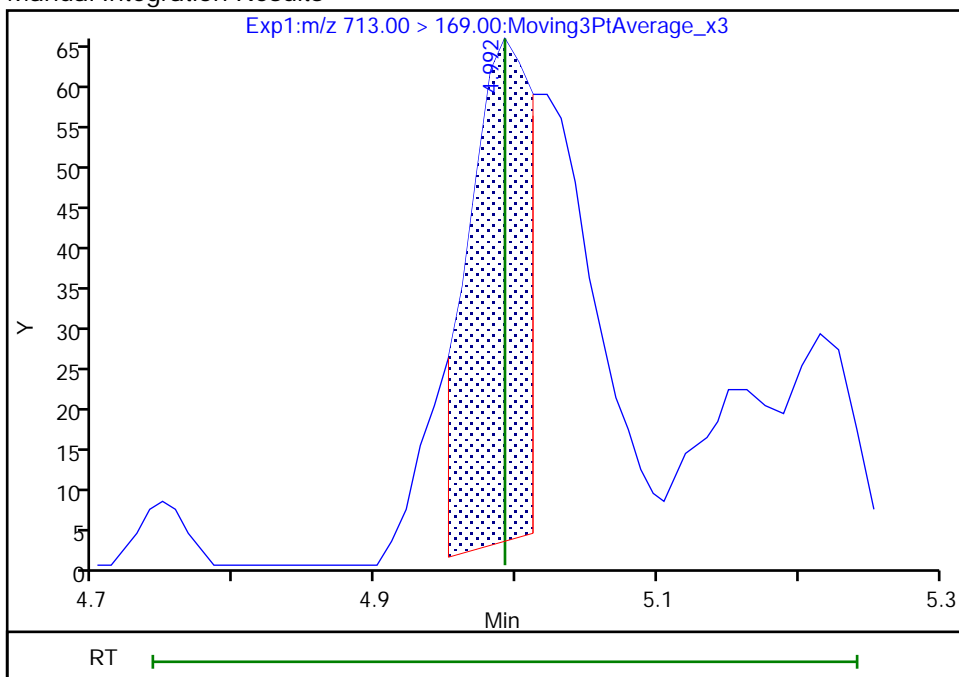
Not Detected
Expected RT: 4.99

Processing Integration Results



Manual Integration Results

RT: 4.99
Area: 181
Amount: 0.001760
Amount Units: ng/ml



Eurofins Burlington

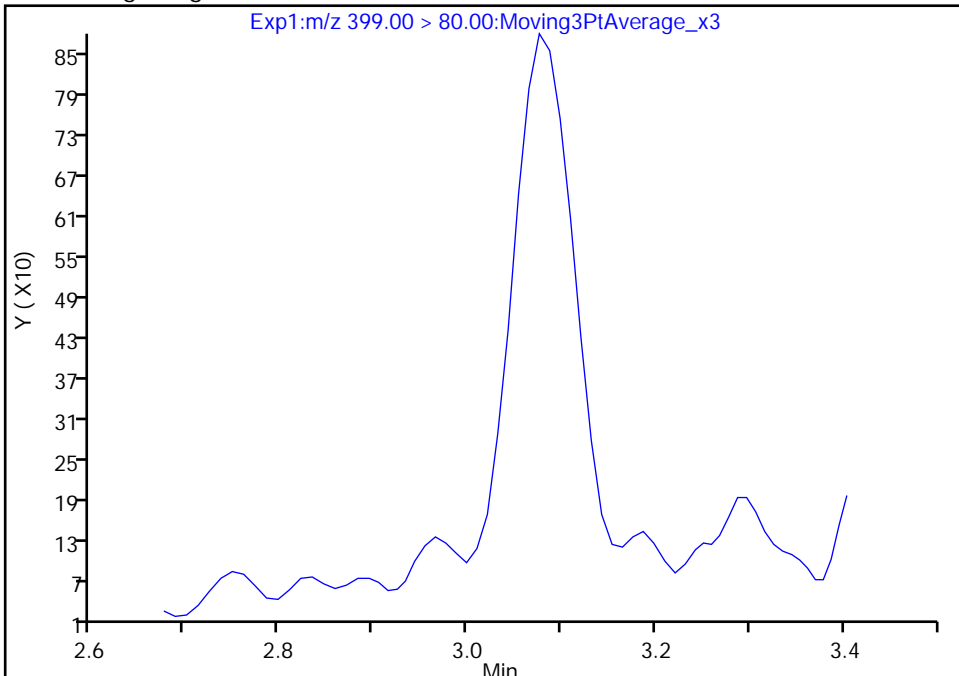
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B22.d
Injection Date: 02-Sep-2022 20:14:56 Instrument ID: LC812
Lims ID: 460-264366-A-1-A Lab Sample ID: 200-264366-1
Client ID: BCS-09-17 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

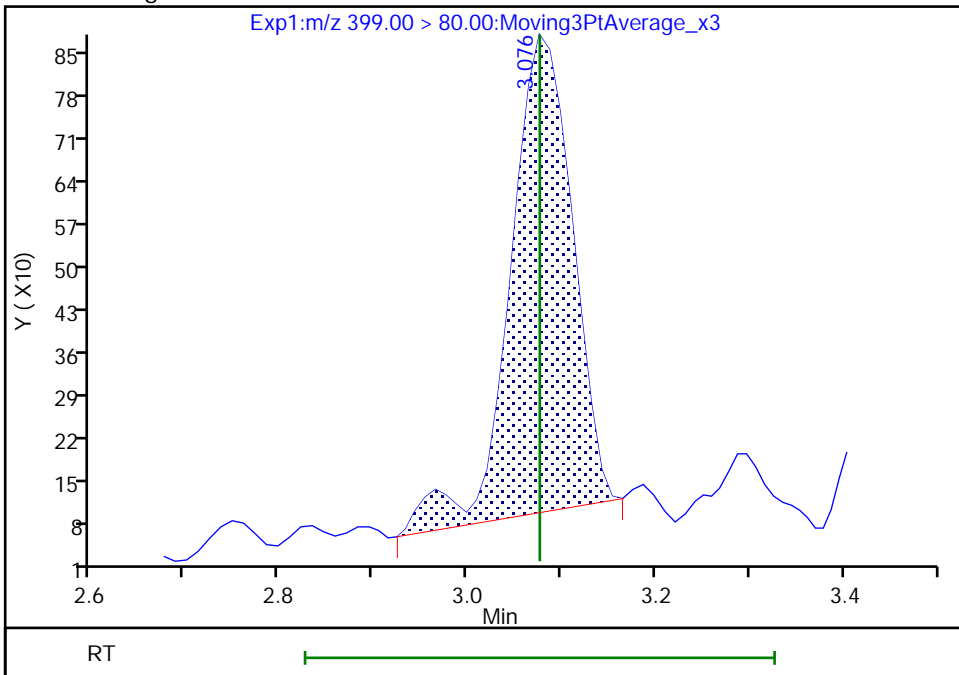
Not Detected
Expected RT: 3.08

Processing Integration Results



Manual Integration Results

RT: 3.08
Area: 3602
Amount: 0.004518
Amount Units: ng/ml



Reviewer: nampitakw, 05-Sep-2022 12:13:55
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

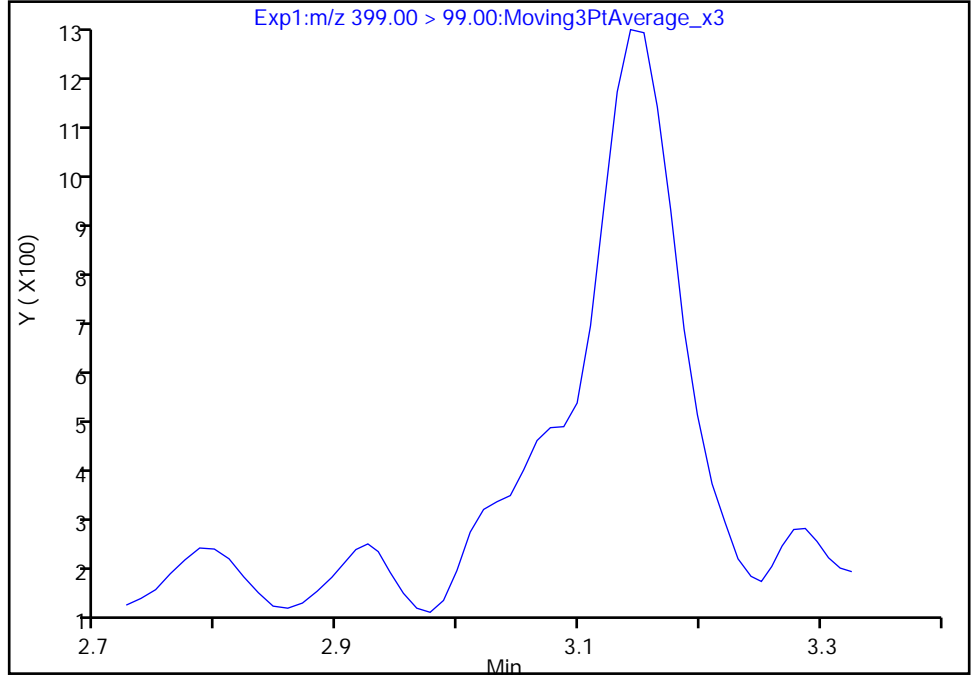
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B22.d
Injection Date: 02-Sep-2022 20:14:56 Instrument ID: LC812
Lims ID: 460-264366-A-1-A Lab Sample ID: 200-264366-1
Client ID: BCS-09-17 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

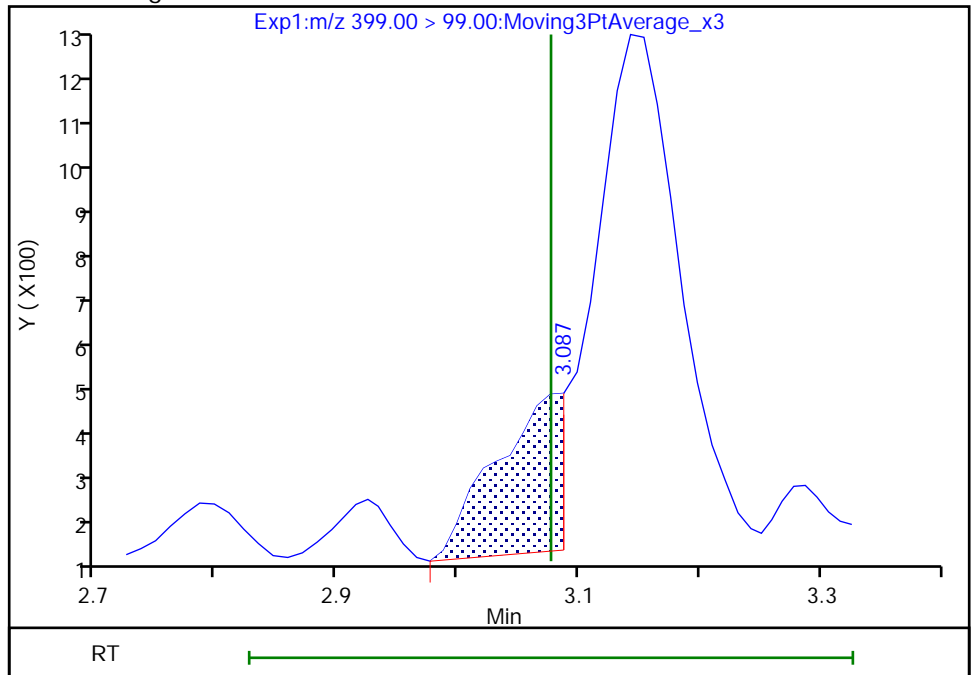
Not Detected
Expected RT: 3.08

Processing Integration Results



Manual Integration Results

RT: 3.09
Area: 1283
Amount: 0.004518
Amount Units: ng/ml



Reviewer: nampitakw, 05-Sep-2022 12:14:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

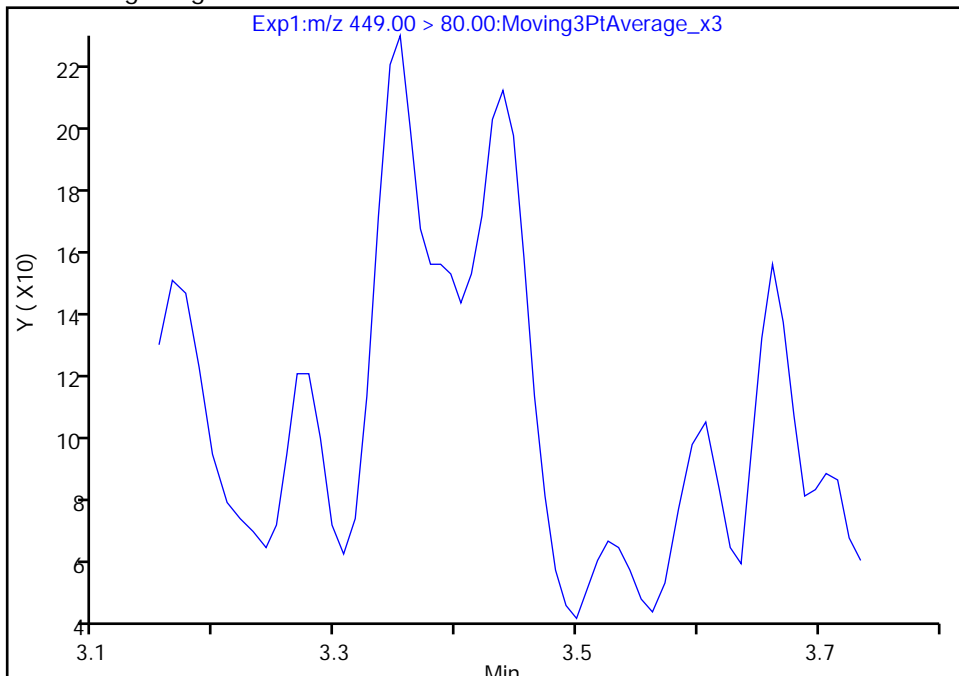
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B22.d
Injection Date: 02-Sep-2022 20:14:56 Instrument ID: LC812
Lims ID: 460-264366-A-1-A Lab Sample ID: 200-264366-1
Client ID: BCS-09-17 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

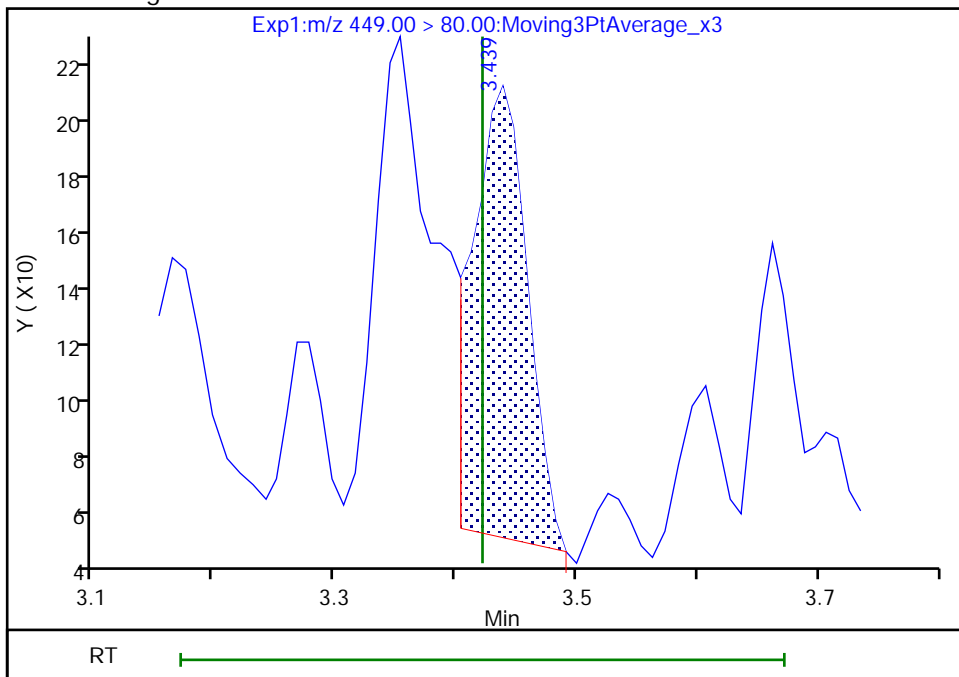
Not Detected
Expected RT: 3.42

Processing Integration Results



Manual Integration Results

RT: 3.44
Area: 473
Amount: 0.000738
Amount Units: ng/ml



Reviewer: nampitakw, 05-Sep-2022 12:14:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

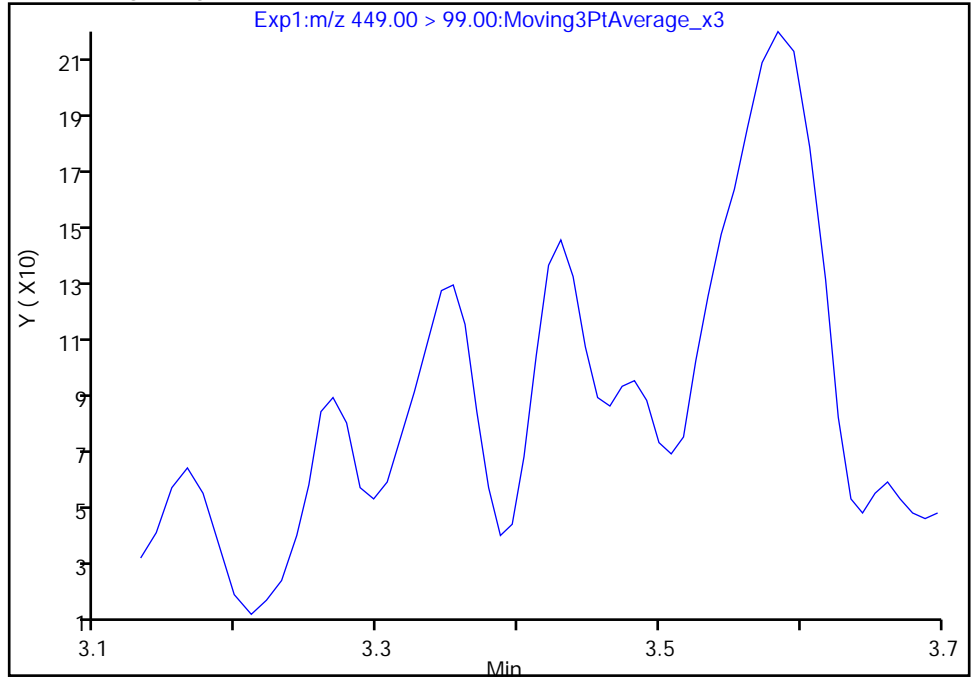
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B22.d
Injection Date: 02-Sep-2022 20:14:56 Instrument ID: LC812
Lims ID: 460-264366-A-1-A Lab Sample ID: 200-264366-1
Client ID: BCS-09-17 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

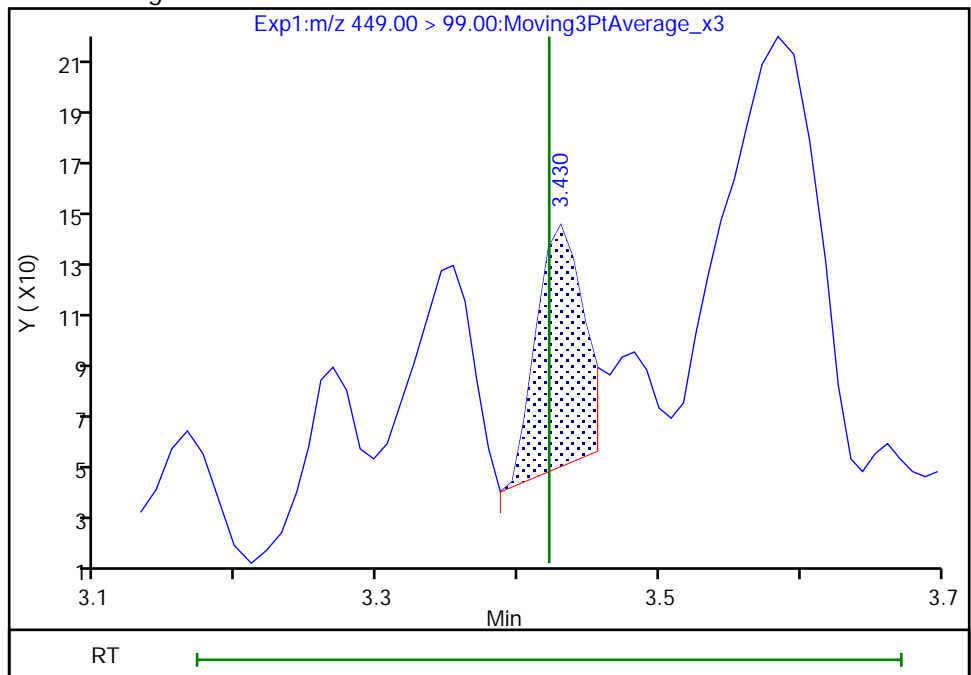
Not Detected
Expected RT: 3.42

Processing Integration Results



Manual Integration Results

RT: 3.43
Area: 217
Amount: 0.000738
Amount Units: ng/ml



Eurofins Burlington

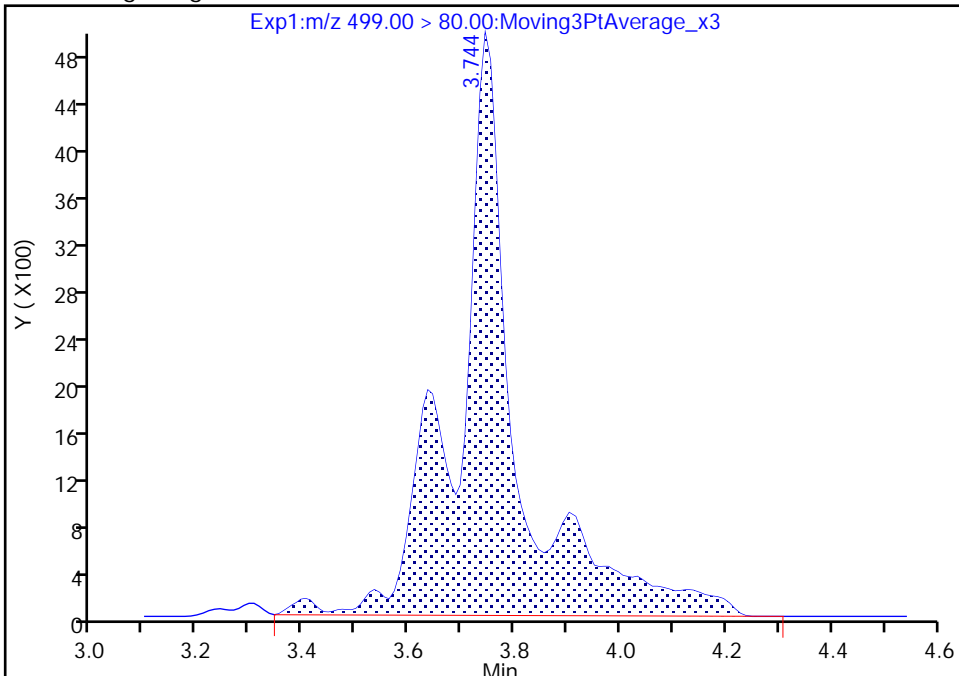
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B22.d
Injection Date: 02-Sep-2022 20:14:56 Instrument ID: LC812
Lims ID: 460-264366-A-1-A Lab Sample ID: 200-264366-1
Client ID: BCS-09-17 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

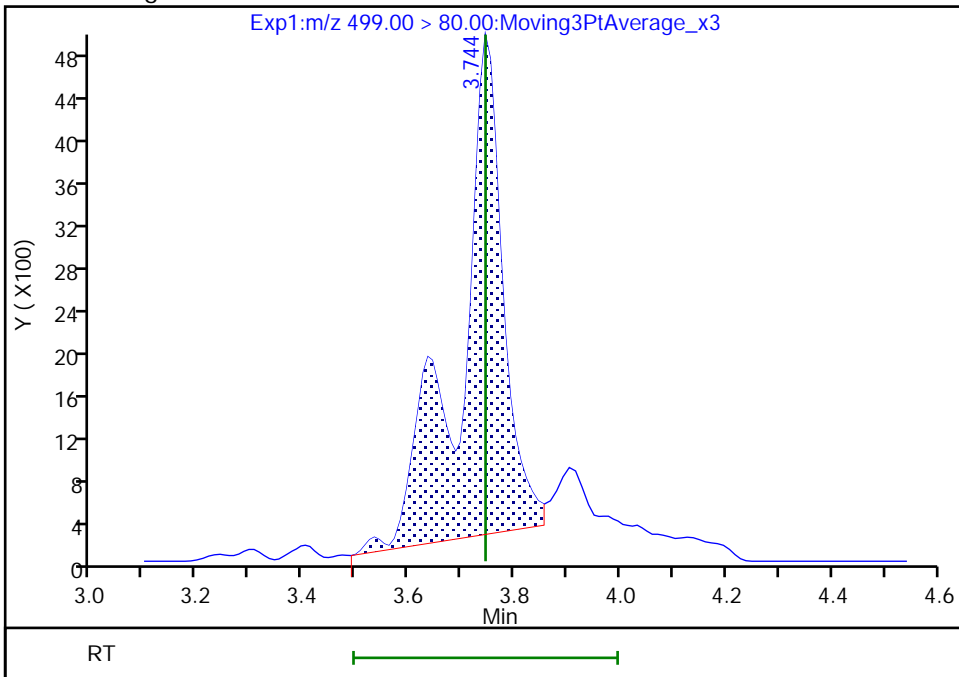
RT: 3.74
Area: 40040
Amount: 0.059164
Amount Units: ng/ml

Processing Integration Results



RT: 3.74
Area: 27227
Amount: 0.034320
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 12:15:09
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

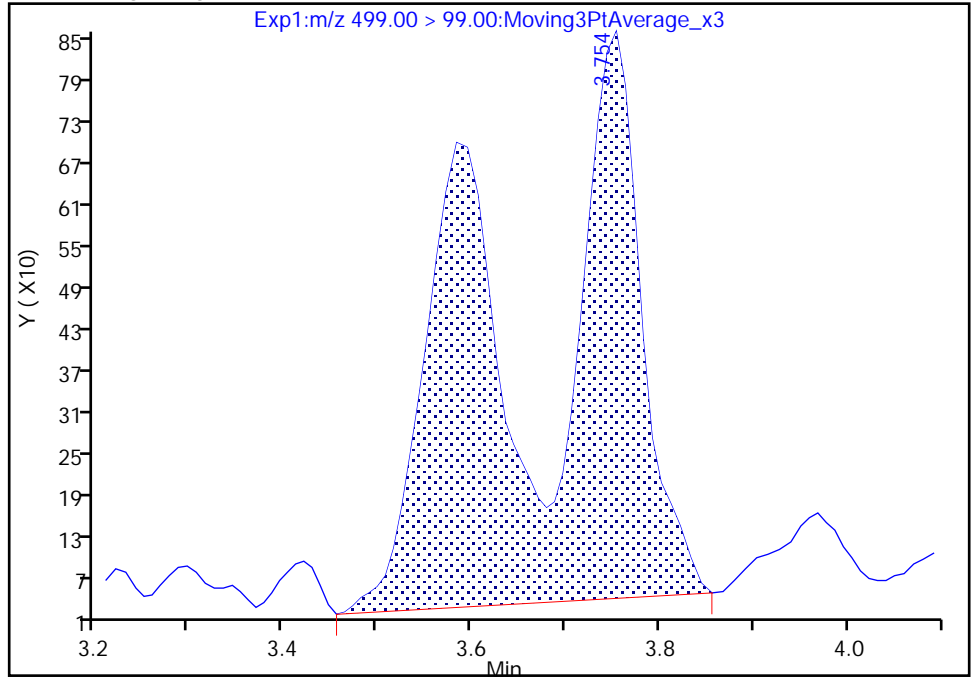
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B22.d
Injection Date: 02-Sep-2022 20:14:56 Instrument ID: LC812
Lims ID: 460-264366-A-1-A Lab Sample ID: 200-264366-1
Client ID: BCS-09-17 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

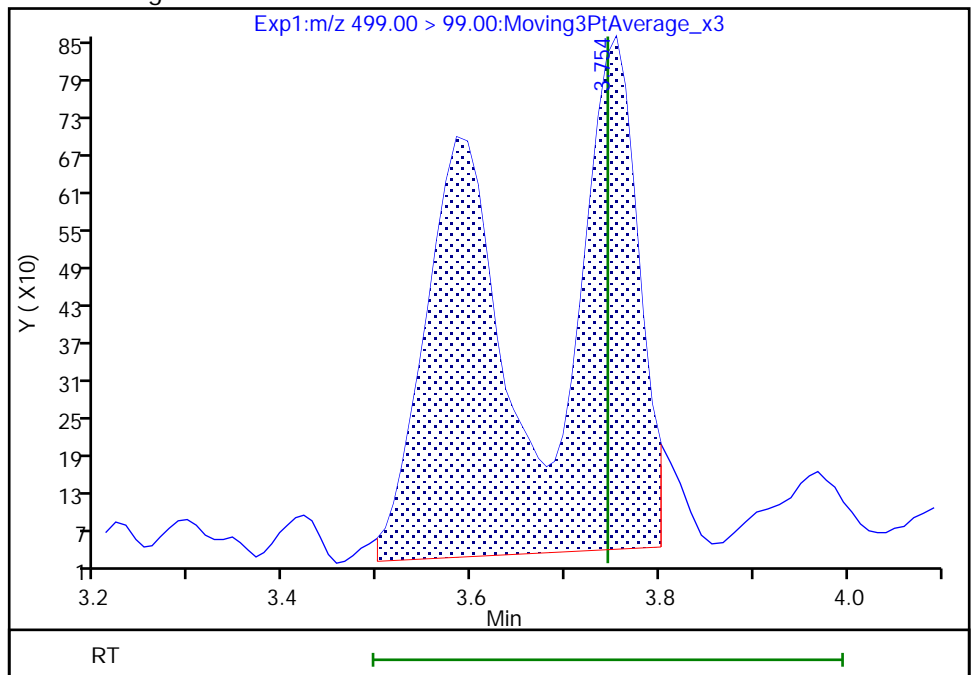
RT: 3.75
Area: 7390
Amount: 0.059164
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 7118
Amount: 0.034320
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Sep-2022 12:15:21

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

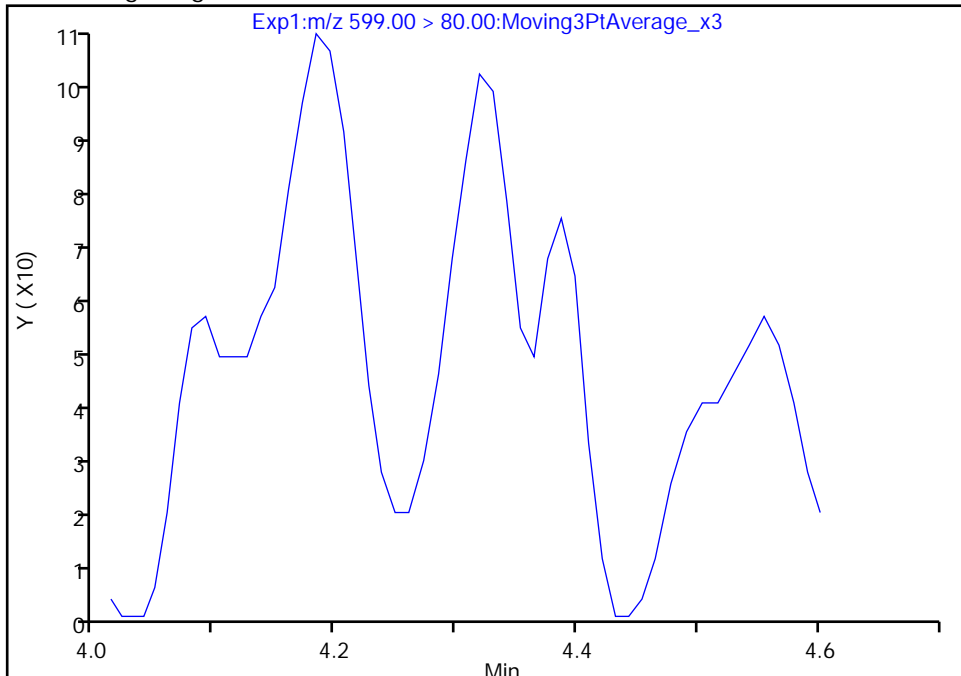
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B22.d
Injection Date: 02-Sep-2022 20:14:56 Instrument ID: LC812
Lims ID: 460-264366-A-1-A Lab Sample ID: 200-264366-1
Client ID: BCS-09-17 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

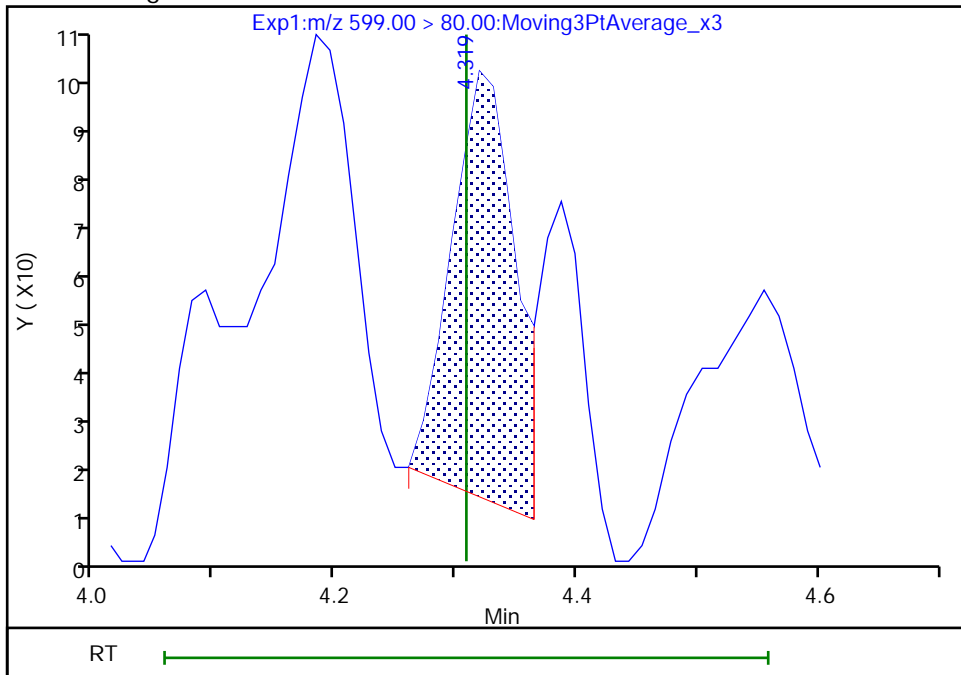
Not Detected
Expected RT: 4.31

Processing Integration Results



Manual Integration Results

RT: 4.32
Area: 294
Amount: 0.000973
Amount Units: ng/ml



Reviewer: nampitakw, 05-Sep-2022 12:17:36
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

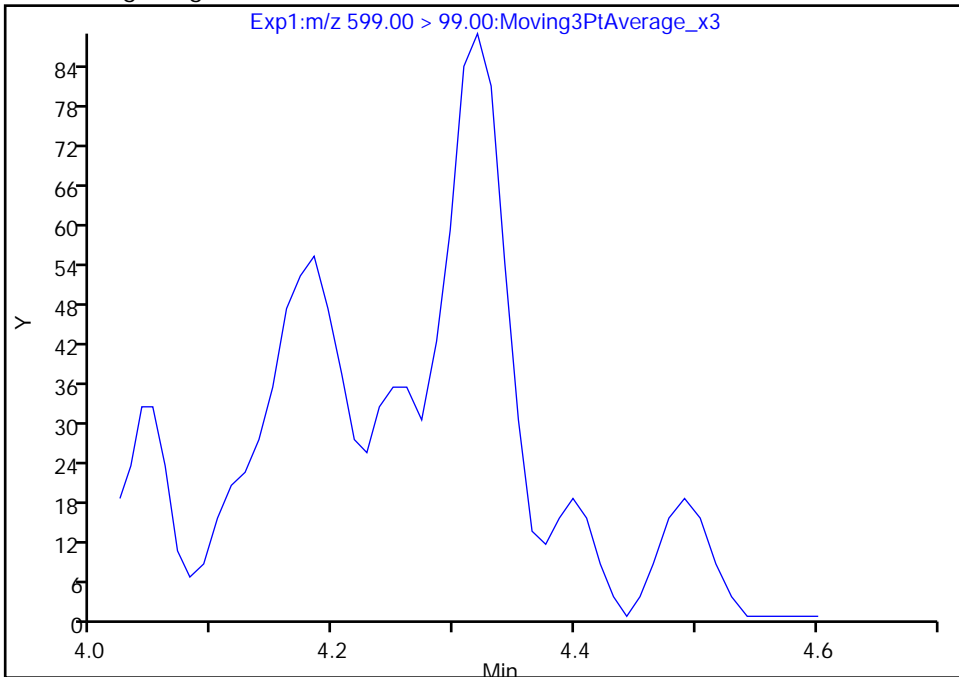
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B22.d
Injection Date: 02-Sep-2022 20:14:56 Instrument ID: LC812
Lims ID: 460-264366-A-1-A Lab Sample ID: 200-264366-1
Client ID: BCS-09-17 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

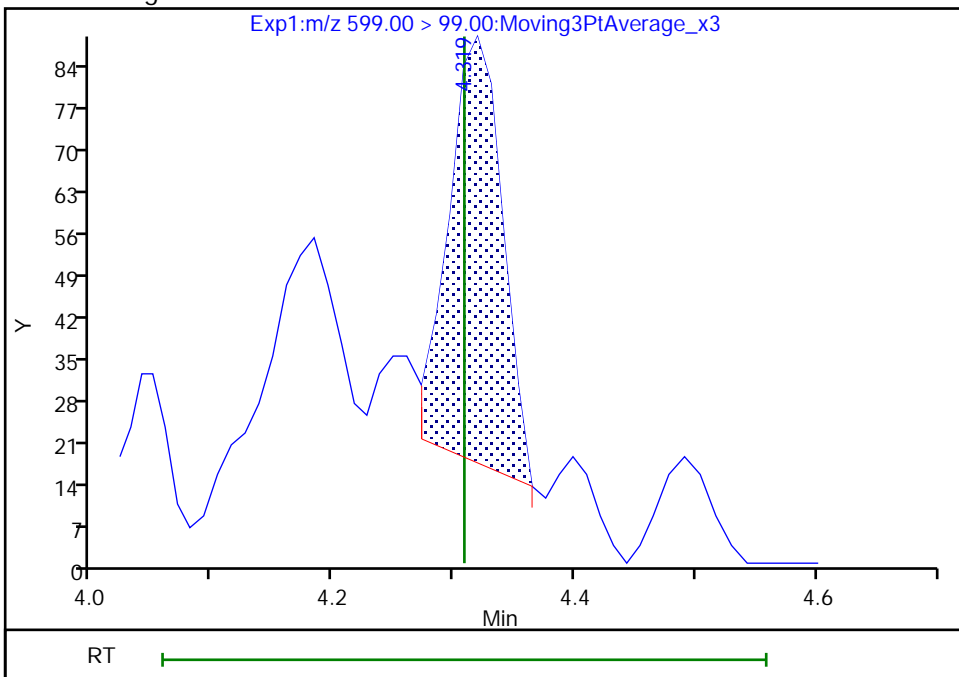
Not Detected
Expected RT: 4.31

Processing Integration Results



Manual Integration Results

RT: 4.32
Area: 221
Amount: 0.000973
Amount Units: ng/ml



Reviewer: nampitakw, 05-Sep-2022 12:17:38

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

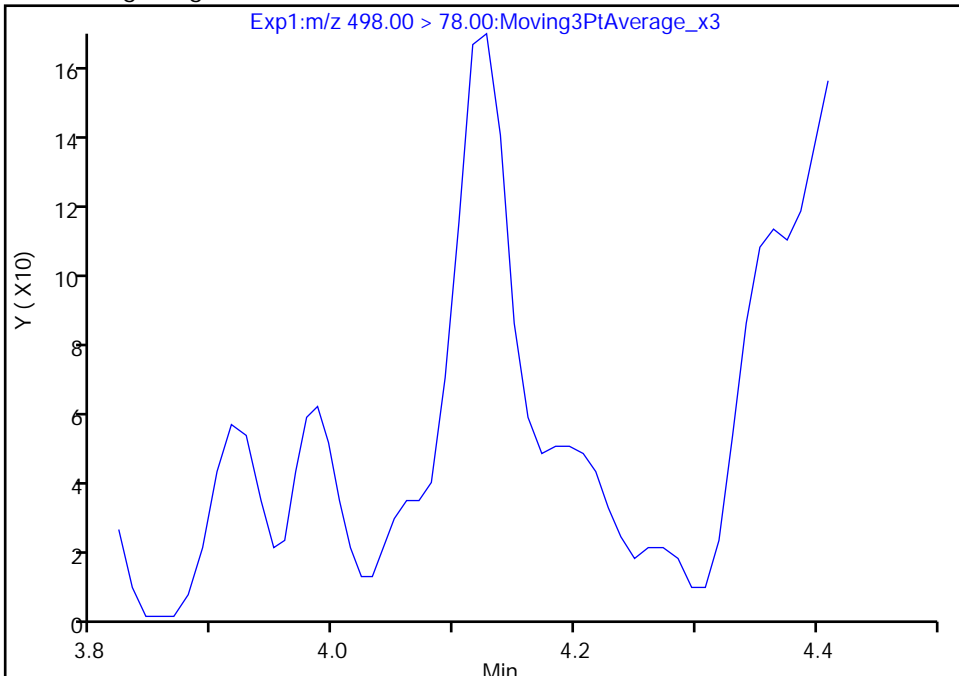
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B22.d
Injection Date: 02-Sep-2022 20:14:56 Instrument ID: LC812
Lims ID: 460-264366-A-1-A Lab Sample ID: 200-264366-1
Client ID: BCS-09-17 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

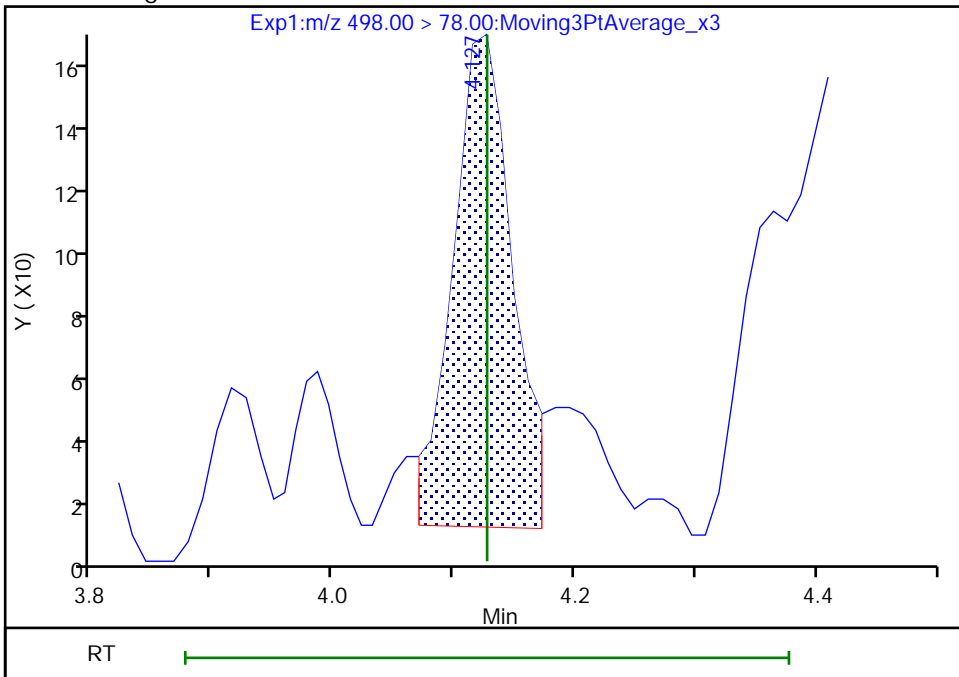
Not Detected
Expected RT: 4.13

Processing Integration Results



RT: 4.13
Area: 508
Amount: 0.000565
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 12:16:10
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

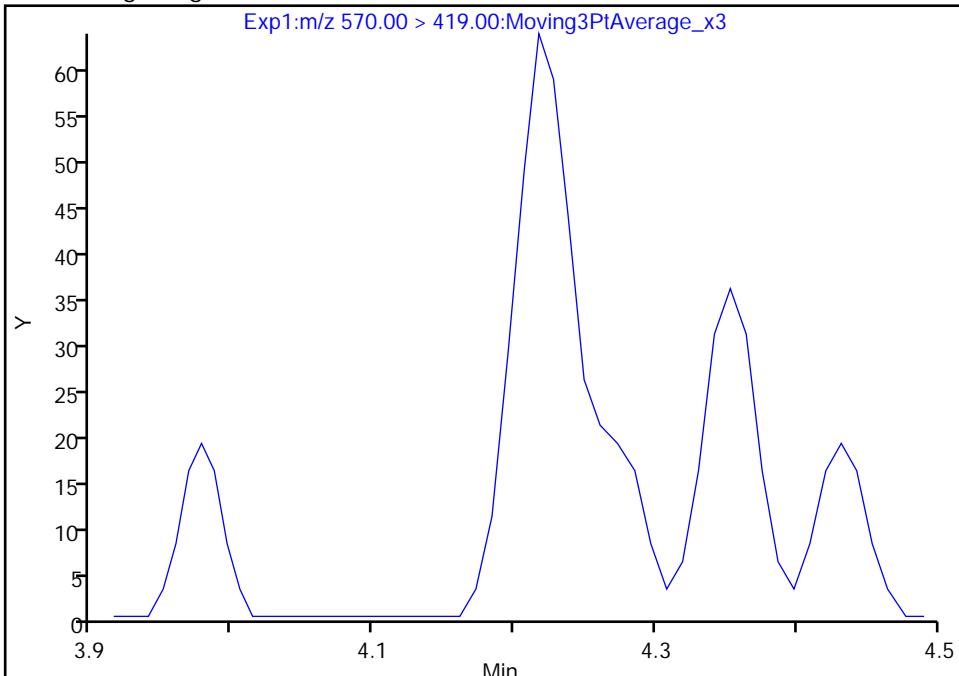
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B22.d
Injection Date: 02-Sep-2022 20:14:56 Instrument ID: LC812
Lims ID: 460-264366-A-1-A Lab Sample ID: 200-264366-1
Client ID: BCS-09-17 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

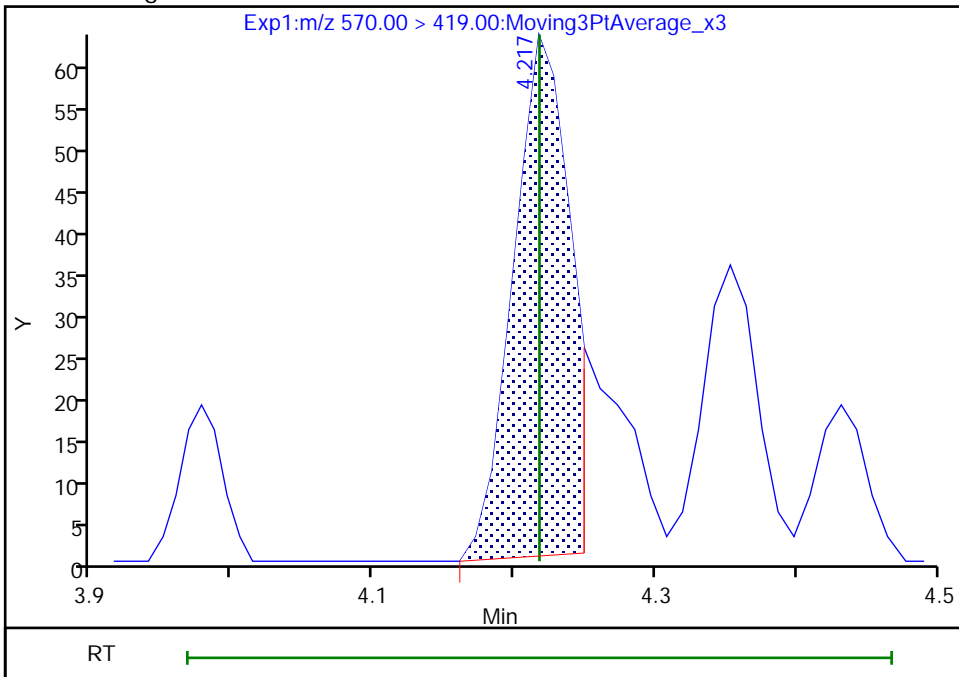
Signal: 1

Not Detected
Expected RT: 4.22

Processing Integration Results



Manual Integration Results



RT: 4.22
Area: 173
Amount: 0.001225
Amount Units: ng/ml

Reviewer: nampitakw, 05-Sep-2022 12:16:17
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

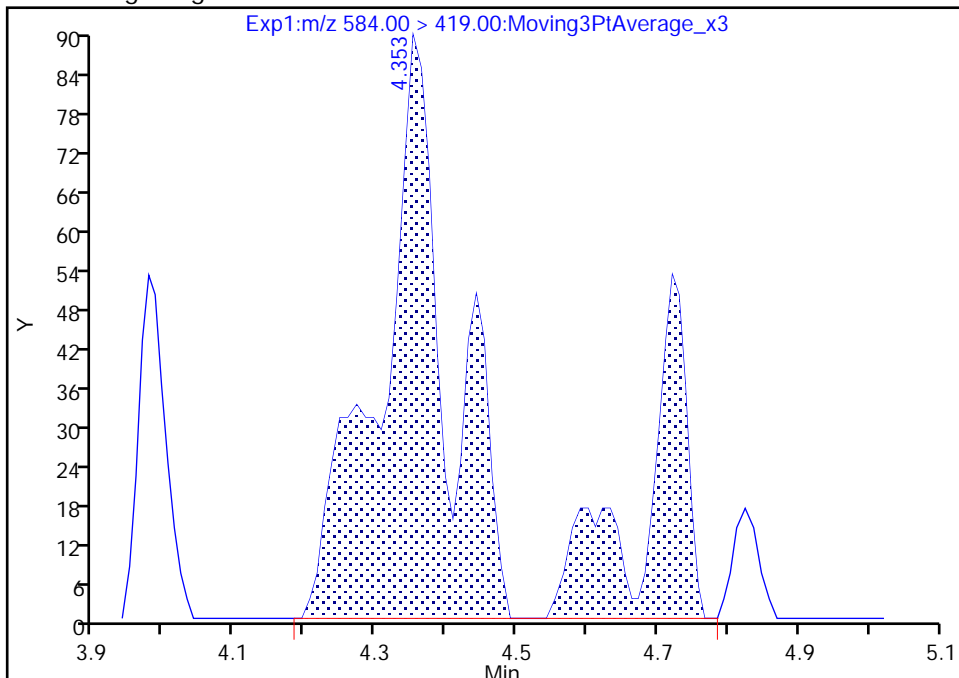
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B22.d
Injection Date: 02-Sep-2022 20:14:56 Instrument ID: LC812
Lims ID: 460-264366-A-1-A Lab Sample ID: 200-264366-1
Client ID: BCS-09-17 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

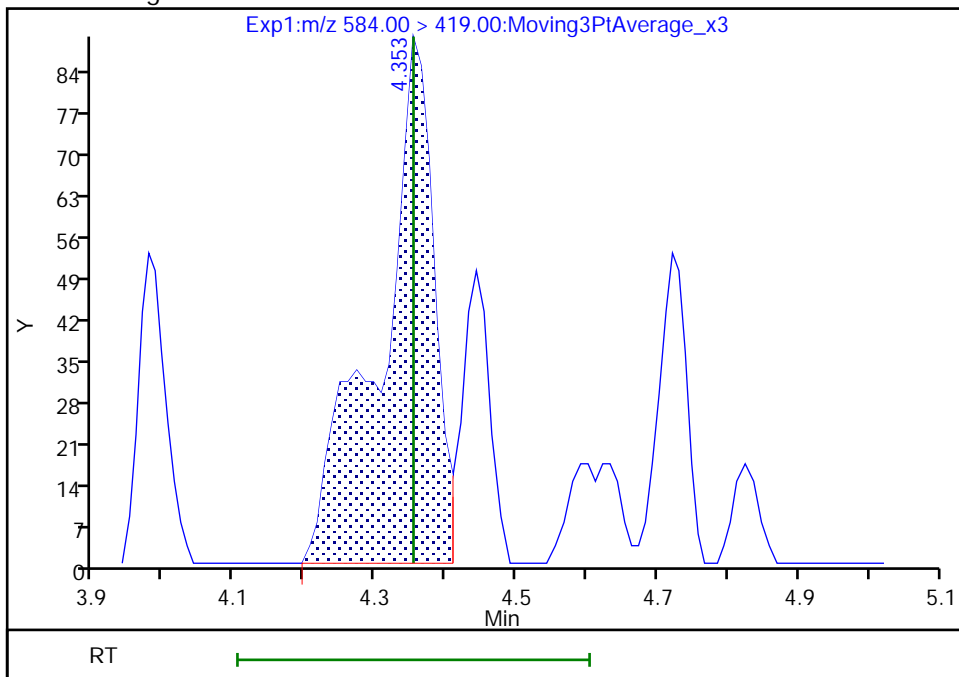
RT: 4.35
Area: 842
Amount: 0.005998
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 481
Amount: 0.003426
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 12:18:04
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

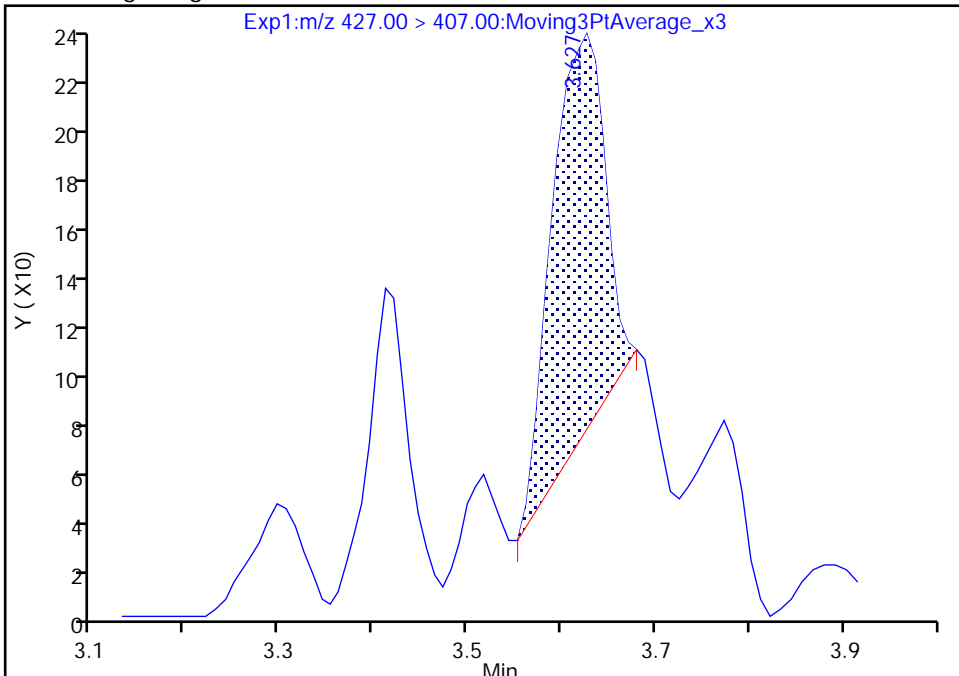
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B22.d
Injection Date: 02-Sep-2022 20:14:56 Instrument ID: LC812
Lims ID: 460-264366-A-1-A Lab Sample ID: 200-264366-1
Client ID: BCS-09-17 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

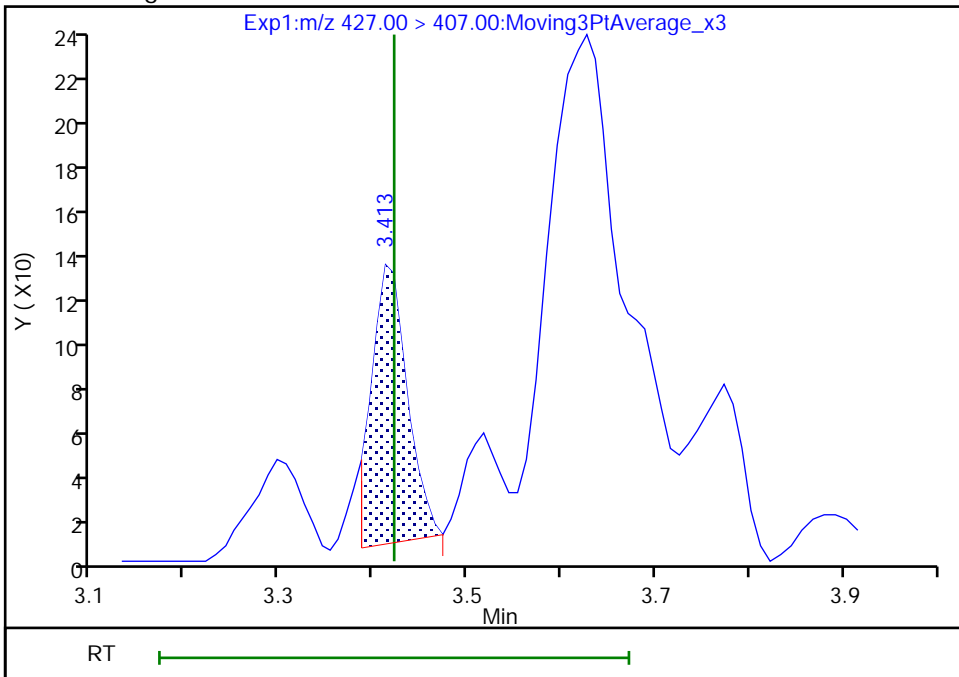
RT: 3.63
Area: 647
Amount: -0.013384
Amount Units: ng/ml

Processing Integration Results



RT: 3.41
Area: 326
Amount: -0.015083
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 12:14:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

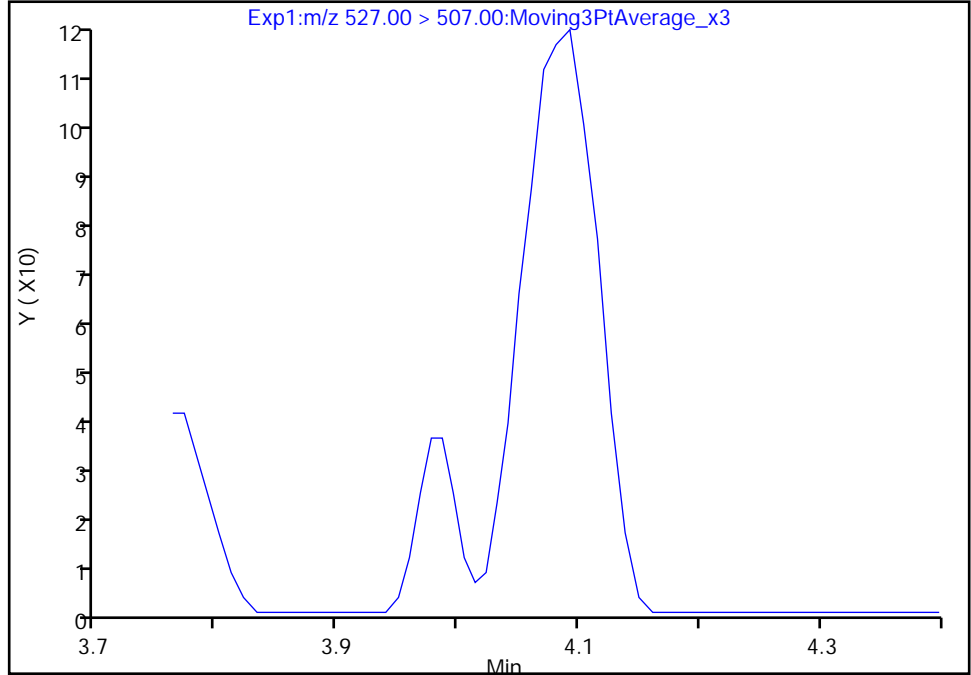
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B22.d
Injection Date: 02-Sep-2022 20:14:56 Instrument ID: LC812
Lims ID: 460-264366-A-1-A Lab Sample ID: 200-264366-1
Client ID: BCS-09-17 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

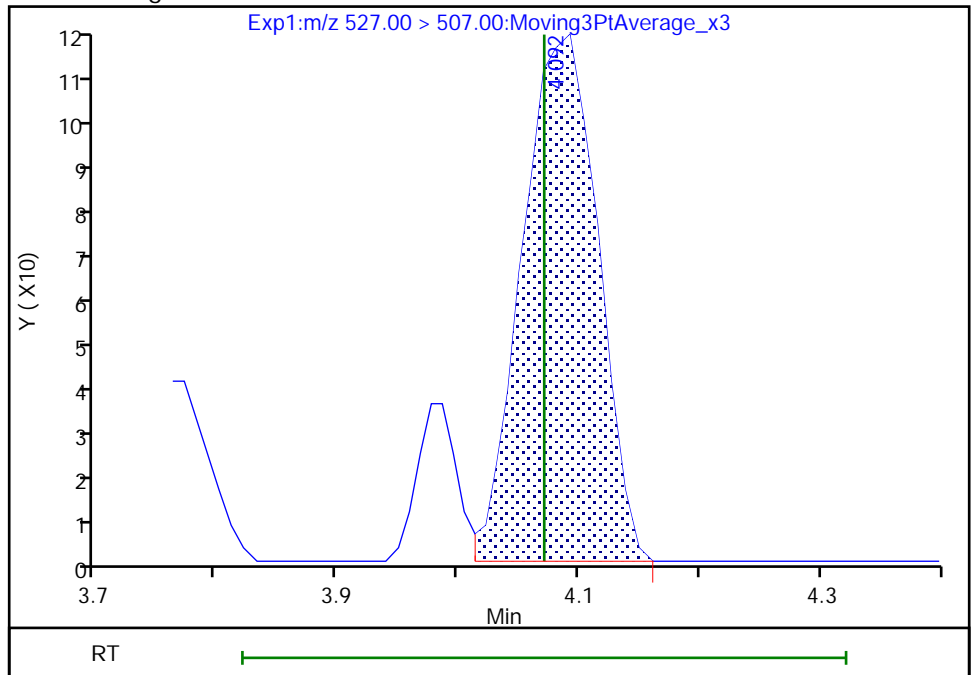
Not Detected
Expected RT: 4.07

Processing Integration Results



Manual Integration Results

RT: 4.09
Area: 508
Amount: 0.003025
Amount Units: ng/ml



Reviewer: nampitakw, 05-Sep-2022 12:15:59
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

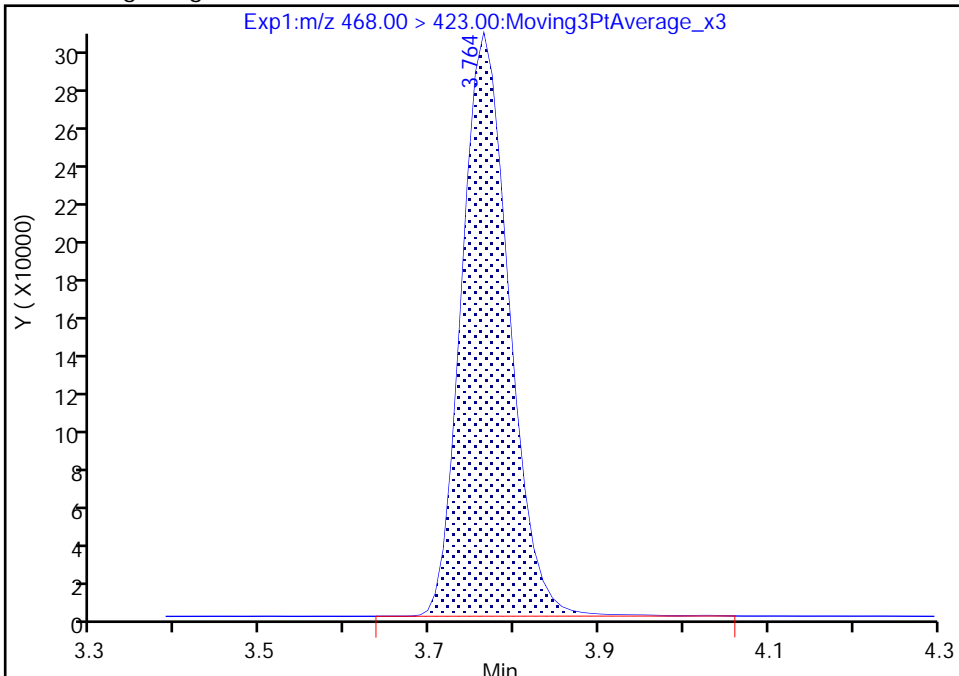
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B22.d
Injection Date: 02-Sep-2022 20:14:56 Instrument ID: LC812
Lims ID: 460-264366-A-1-A Lab Sample ID: 200-264366-1
Client ID: BCS-09-17 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

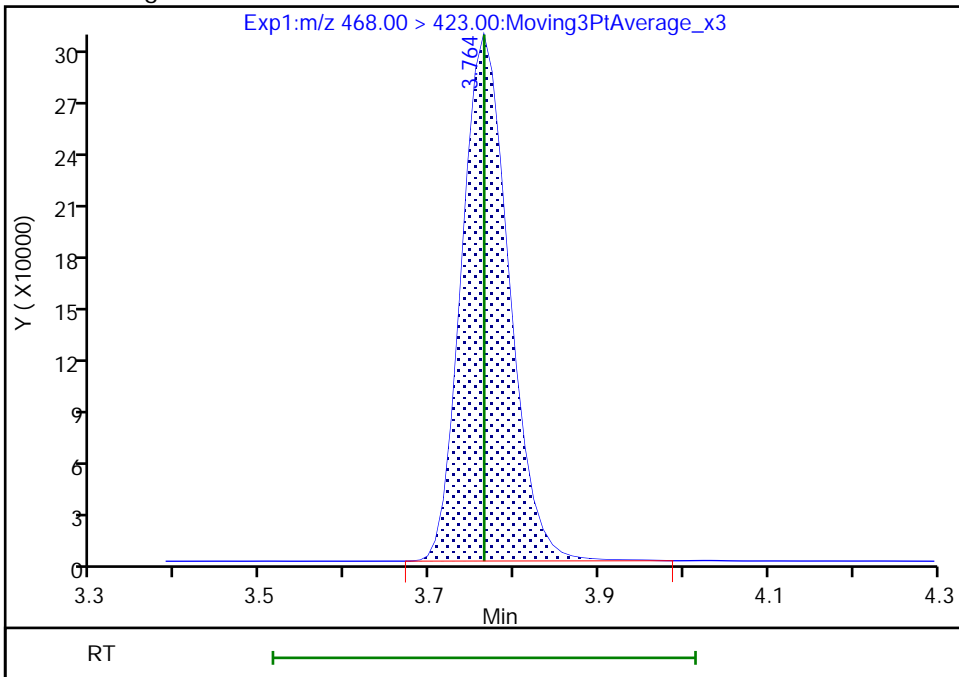
RT: 3.76
Area: 1199296
Amount: 1.058560
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 1197417
Amount: 1.056902
Amount Units: ng/ml

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

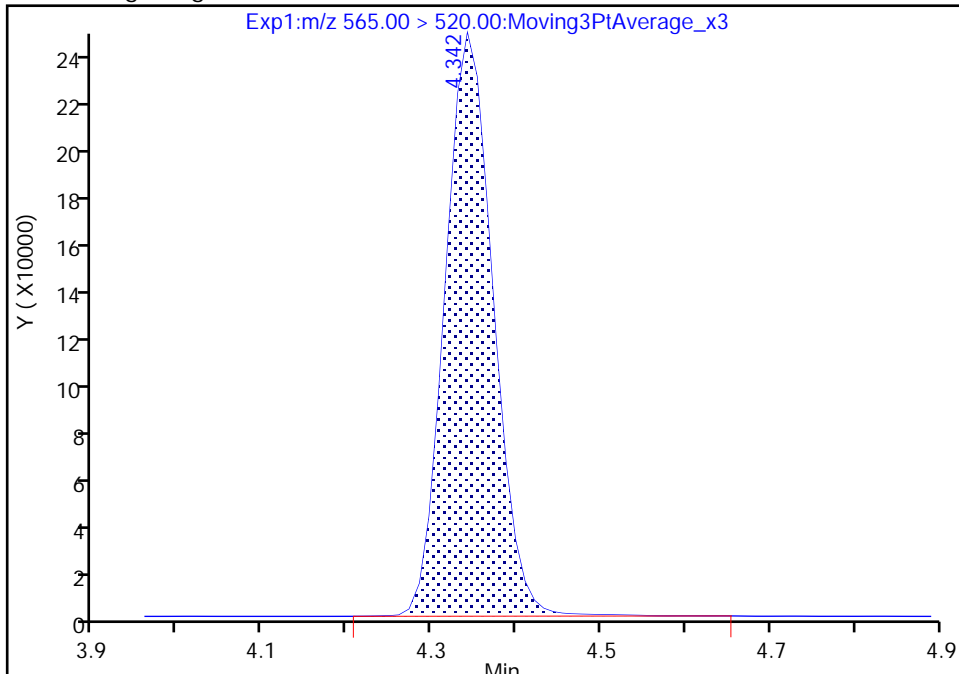
Data File:	\\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B22.d		
Injection Date:	02-Sep-2022 20:14:56	Instrument ID:	LC812
Lims ID:	460-264366-A-1-A	Lab Sample ID:	200-264366-1
Client ID:	BCS-09-17 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	22
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	22

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

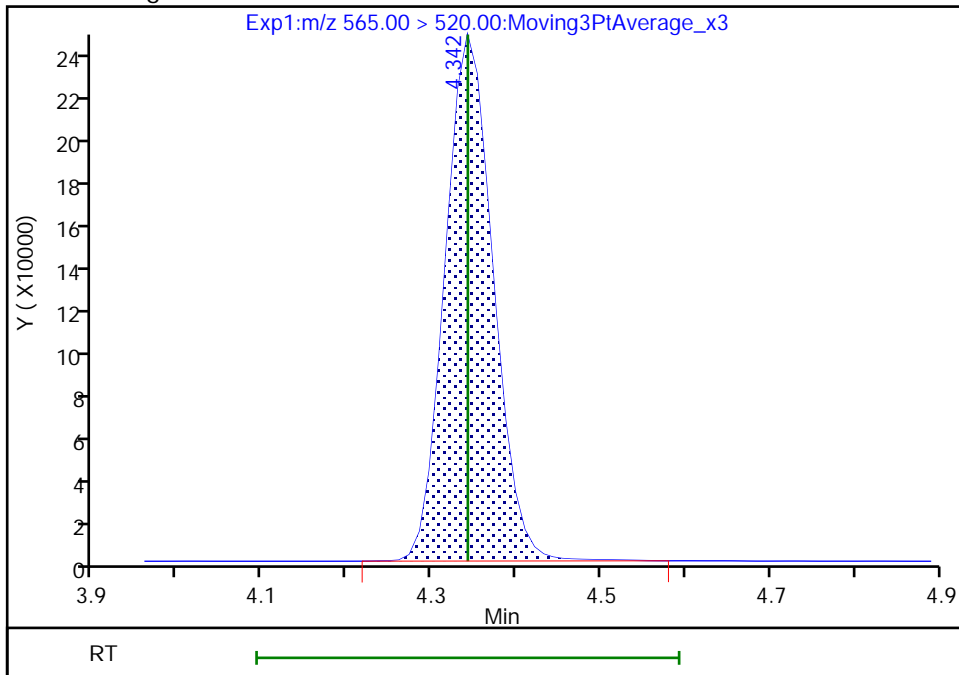
RT: 4.34
 Area: 951901
 Amount: 1.139408
 Amount Units: ng/ml

Processing Integration Results



RT: 4.34
 Area: 951166
 Amount: 1.138528
 Amount Units: ng/ml

Manual Integration Results



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

Audit Reason: Incomplete Integration

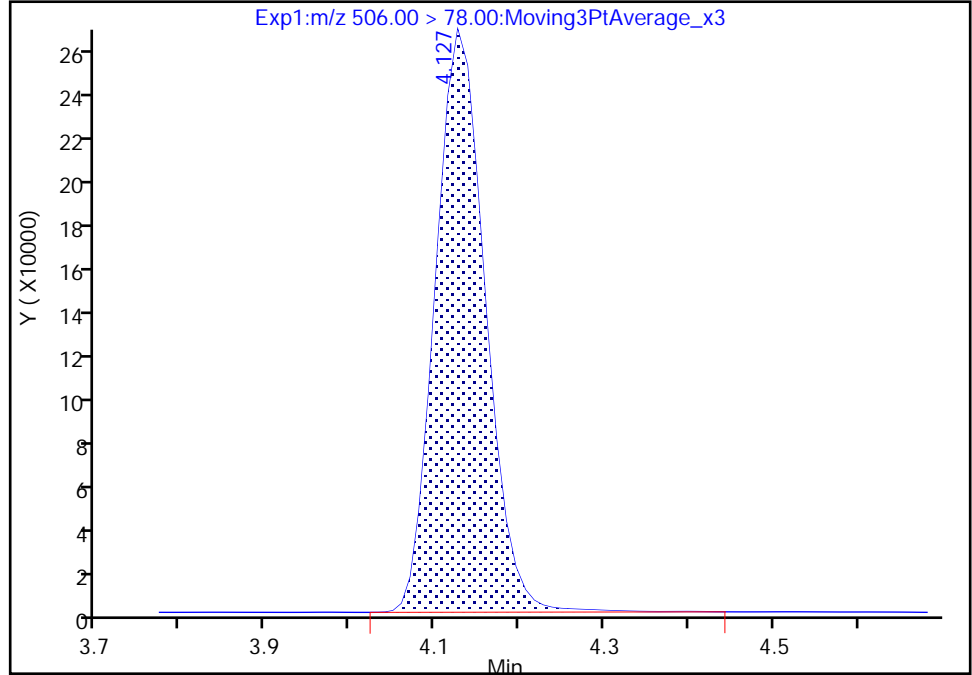
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B22.d
Injection Date: 02-Sep-2022 20:14:56 Instrument ID: LC812
Lims ID: 460-264366-A-1-A Lab Sample ID: 200-264366-1
Client ID: BCS-09-17 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

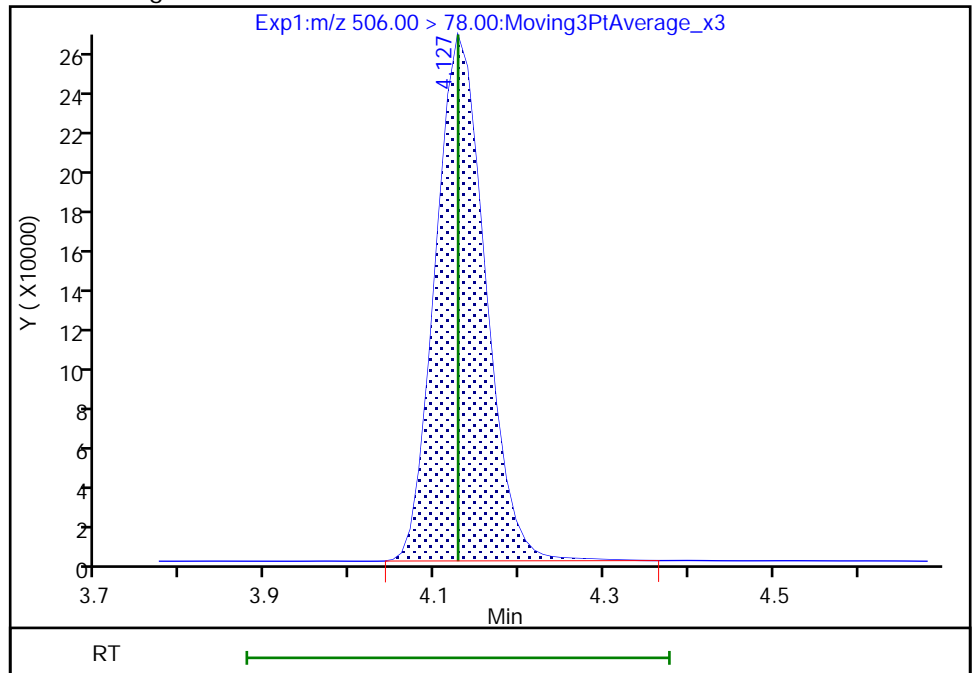
RT: 4.13
Area: 1105138
Amount: 1.145167
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 1102315
Amount: 1.142242
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 12:12:23
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

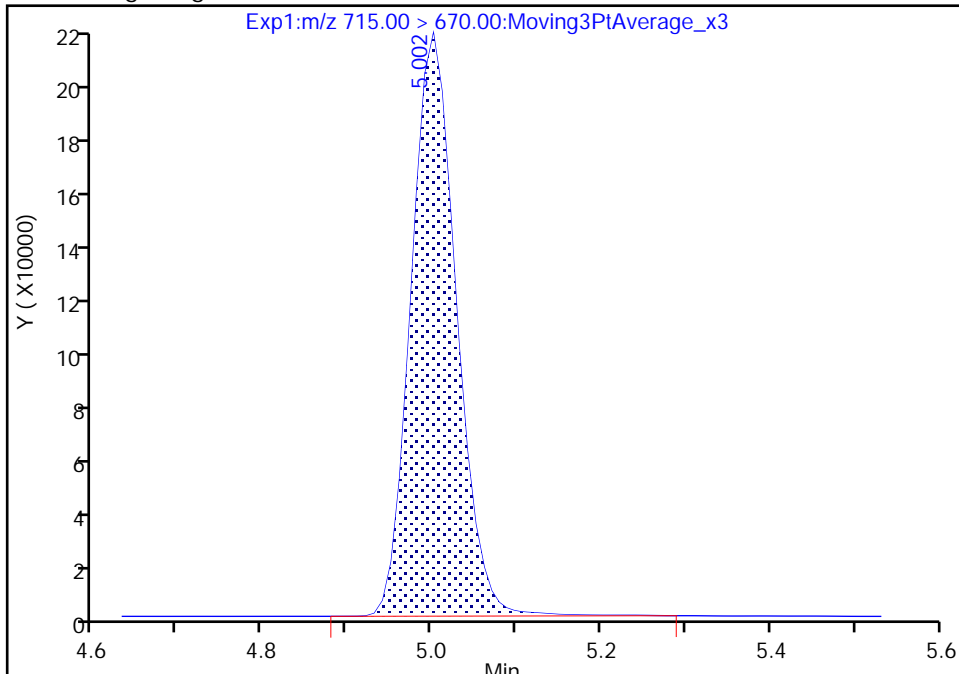
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B22.d
Injection Date: 02-Sep-2022 20:14:56 Instrument ID: LC812
Lims ID: 460-264366-A-1-A Lab Sample ID: 200-264366-1
Client ID: BCS-09-17 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

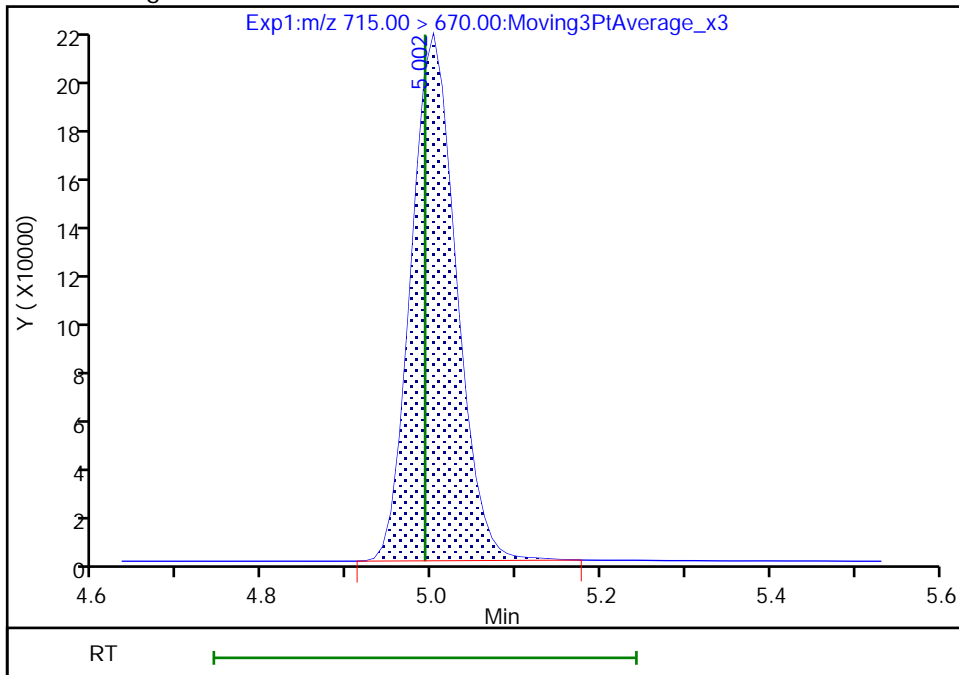
RT: 5.00
Area: 805962
Amount: 1.138855
Amount Units: ng/ml

Processing Integration Results



RT: 5.00
Area: 802424
Amount: 1.133856
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 12:12:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

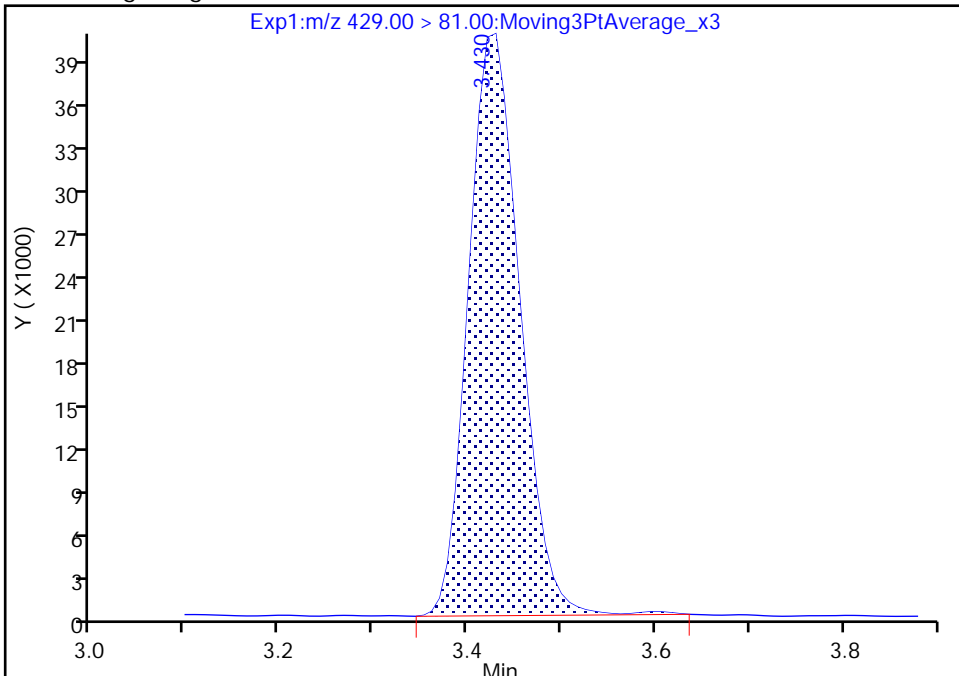
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B22.d
Injection Date: 02-Sep-2022 20:14:56 Instrument ID: LC812
Lims ID: 460-264366-A-1-A Lab Sample ID: 200-264366-1
Client ID: BCS-09-17 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

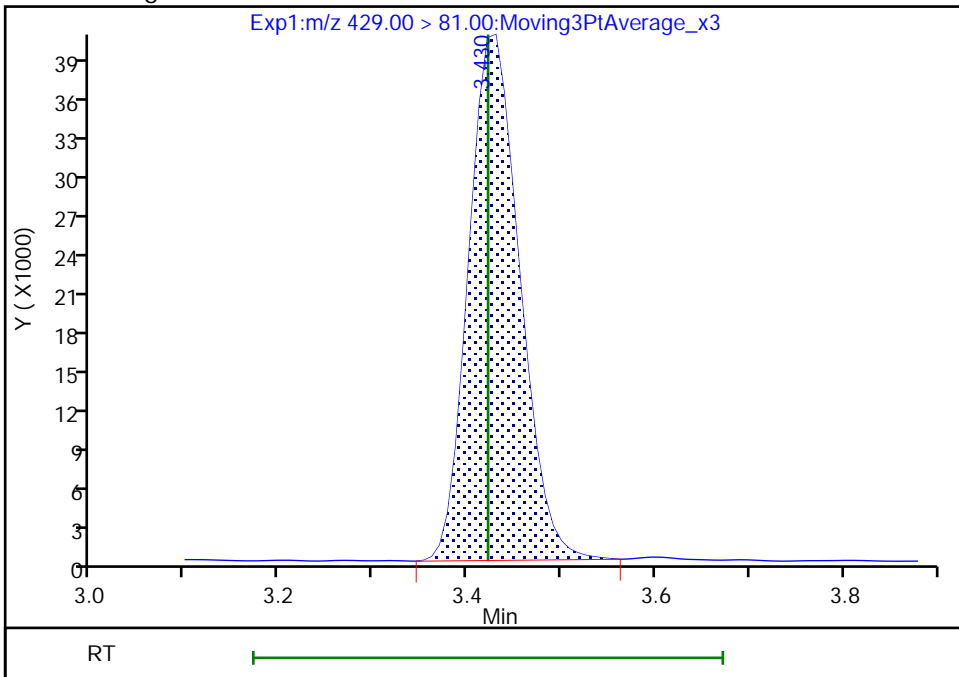
RT: 3.43
Area: 154772
Amount: 1.104913
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 153969
Amount: 1.099181
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 12:11:40
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

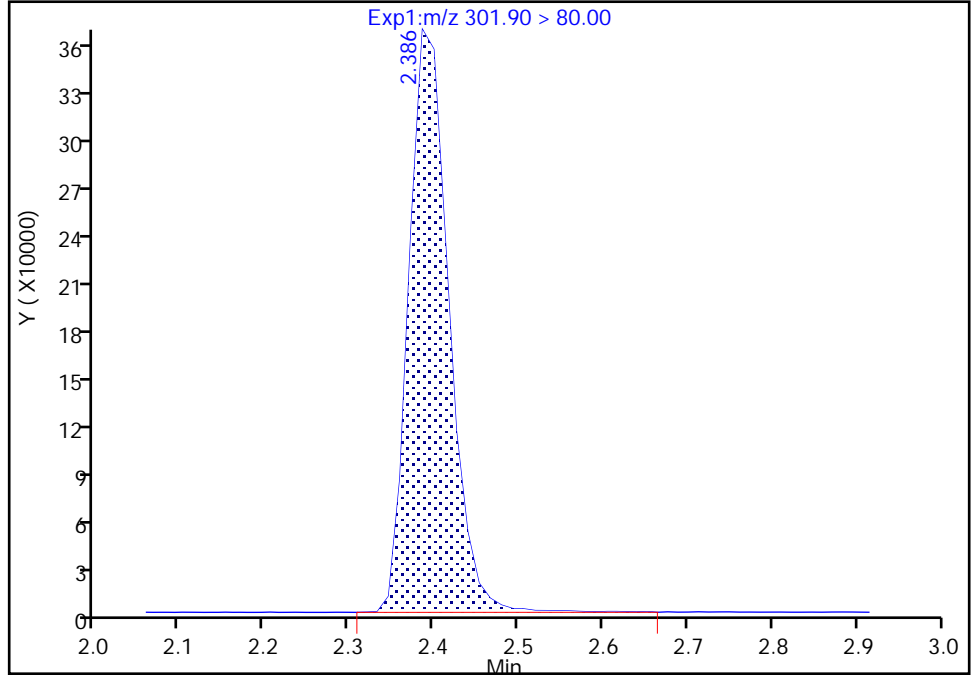
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B22.d
Injection Date: 02-Sep-2022 20:14:56 Instrument ID: LC812
Lims ID: 460-264366-A-1-A Lab Sample ID: 200-264366-1
Client ID: BCS-09-17 (5-5.5)P
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

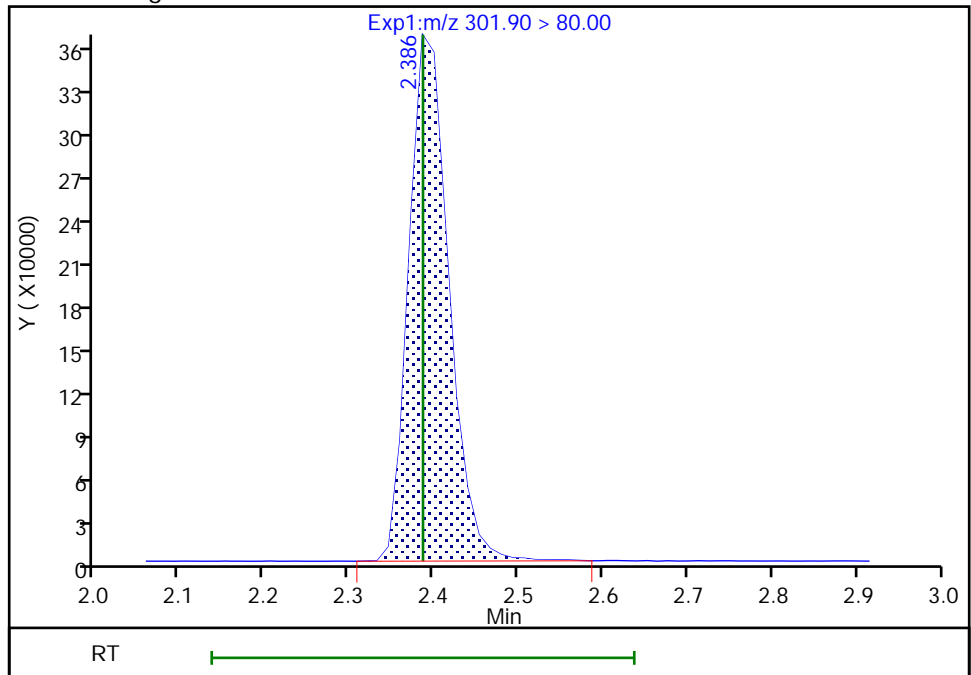
RT: 2.39
Area: 1213389
Amount: 1.019685
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 1209529
Amount: 1.016441
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 12:11:32
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.: 460-264366-1 Analy Batch No.: 182319

SDG No.: _____

Instrument ID: LC812 GC Column: C-18 ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2022 13:00 Calibration End Date: 08/03/2022 13:41 Calibration ID: 48756

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-182319/5	PA220803ICAL05.d
Level 2	IC 200-182319/6	PA220803ICAL06.d
Level 3	IC 200-182319/7	PA220803ICAL07.d
Level 4	ICIS 200-182319/8	PA220803ICAL08.d
Level 5	IC 200-182319/9	PA220803ICAL09.d
Level 6	IC 200-182319/10	PA220803ICAL10.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)	1.0995 0.9124	1.0229	0.9925	0.9329	0.8579	AveI D		0.969 7			8.9		20.0				
Perfluoropentanoic acid (PFPeA)	1.1245 0.9923	1.0788	1.0391	1.0049	0.9460	AveI D		1.030 9			6.2		20.0				
Perfluorobutanesulfonic acid (PFBS)	1.1974 1.0793	1.1629	1.0977	1.0712	1.0146	AveI D		1.103 8			6.0		20.0				
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.3896 2.2965	2.4823	2.4462	2.3787	2.2678	AveI D		2.376 8			3.5		20.0				
Perfluorohexanoic acid (PFHxA)	1.0941 1.0084	1.1299	1.0493	1.0140	0.9650	AveI D		1.043 5			5.8		20.0				
Perfluoropentanesulfonic acid (PFPeS)	1.3805 1.2609	1.3339	1.3636	1.2478	1.1929	AveI D		1.296 6			5.7		20.0				
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.2670 1.0094	1.0932	1.0693	1.0304	0.9779	AveI D		1.074 5			9.6		20.0				
Perfluorohexanesulfonic acid (PFHxS)	1.2649 1.0524	1.1483	1.1384	1.0214	0.9922	AveI D		1.102 9			9.2		20.0				
Perfluoroheptanoic acid (PFHpA)	1.1294 0.9991	1.0941	0.9881	1.0175	0.9554	AveI D		1.030 6			6.5		20.0				
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	4.5089 3.7762	4.3473	4.2326	4.1147	3.7329	AveI D		4.118 8			7.6		20.0				
6:2 FTS	1.8181 1.4633	1.7516	1.6769	1.4735	1.4254	L1ID	0.024 5	1.457 2						0.9990		0.9900	
Perfluoroheptanesulfonic acid (PFHpS)	1.3934 1.1928	1.2528	1.2495	1.1897	1.1378	AveI D		1.236 0			7.1		20.0				
Perfluorooctanoic acid (PFOA)	1.3111 1.0396	1.1421	1.1267	1.0905	1.0185	AveI D		1.121 4			9.3		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.: 460-264366-1 Analy Batch No.: 182319

SDG No.: _____

Instrument ID: LC812 GC Column: C-18 ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2022 13:00 Calibration End Date: 08/03/2022 13:41 Calibration ID: 48756

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)	1.4064 1.0028	1.1882	1.0439	1.0142	0.9776	LlID	0.018 4	0.994 9						1.0000		0.9900	
Perfluorononanoic acid (PFNA)	1.1446 0.9585	1.0301	1.0236	1.0105	0.9378	AveI D		1.017 5			7.1		20.0				
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	1.8703 1.6900	1.8234	1.8471	1.7469	1.6214	AveI D		1.766 5			5.5		20.0				
Perfluorononanesulfonic acid (PFNS)	0.8342 0.7468	0.8288	0.7936	0.7652	0.7292	AveI D		0.783 0			5.5		20.0				
Perfluorodecanoic acid (PFDA)	1.1271 0.9728	1.0294	1.1177	1.0557	1.0075	AveI D		1.051 7			5.8		20.0				
8:2 FTS	0.9973 0.9164	0.9688	0.9837	1.0095	0.9182	AveI D		0.965 7			4.1		20.0				
Perfluorooctanesulfonamide (FOSA)	1.0025 0.9860	1.1132	1.0461	0.9874	0.9789	AveI D		1.019 0			5.1		20.0				
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.8770 0.8764	0.8551	1.0037	0.8643	0.8521	AveI D		0.888 1			6.5		20.0				
Perfluorodecanesulfonic acid (PFDS)	0.5628 0.5667	0.5952	0.6171	0.5924	0.5617	AveI D		0.582 7			3.9		20.0				
Perfluoroundecanoic acid (PFUnA)	1.1655 1.0073	1.0594	1.0686	1.0614	0.9944	AveI D		1.059 4			5.7		20.0				
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.9361 0.8961	0.9741	0.9251	0.8726	0.8435	AveI D		0.907 9			5.2		20.0				
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF)	2.4120 2.1558	2.3463	2.4238	2.3173	2.1400	AveI D		2.299 2			5.4		20.0				
Perfluorododecanoic acid (PFDoA)	1.0861 0.9547	1.0227	1.0678	1.0097	0.9438	AveI D		1.014 1			5.7		20.0				
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	0.4497 0.4177	0.4838	0.4683	0.4566	0.4306	AveI D		0.451 1			5.4		20.0				
Perfluorododecanesulfonic acid (PFDoS)	0.2786 0.2451	0.2623	0.2876	0.2411	0.2374	AveI D		0.258 7			8.1		20.0				
Perfluorotridecanoic acid (PFTriA)	0.9601 0.7841	0.8815	0.9272	0.9010	0.8207	AveI D		0.879 1			7.5		20.0				
Perfluorotetradecanoic acid (PFTeA)	0.1735 0.1532	0.1627	0.1625	0.1575	0.1518	AveI D		0.160 2			4.9		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.: 460-264366-1 Analy Batch No.: 182319

SDG No.: _____

Instrument ID: LC812 GC Column: C-18 ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2022 13:00 Calibration End Date: 08/03/2022 13:41 Calibration ID: 48756

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)	1.1646 0.8939	1.0870	1.0285	0.9260	0.8859	LlID	0.018 6	0.894 0						0.9990		0.9900	
Perfluoro-n-octadecanoic acid (PFODA)	0.6775 0.6084	0.7070	0.7291	0.6460	0.6214	AveID		0.664 9			7.2		20.0				
13C4 PFBA	1.1726 1.1824	1.1973	1.1438	1.1522	1.1540	Ave		1.167 0			1.8		50.0				
13C5 PFPeA	0.9489 0.8882	0.9301	0.9081	0.8384	0.8722	Ave		0.897 6			4.5		50.0				
13C3 PFBS	1.0631 1.0216	1.0581	1.0503	1.0003	1.0386	Ave		1.038 7			2.3		50.0				
M2-4:2 FTS	0.0896 0.0902	0.0917	0.0891	0.0862	0.0897	Ave		0.089 4			2.0		50.0				
13C2 PFHxA	0.9203 0.8912	0.8683	0.9146	0.8950	0.8878	Ave		0.896 2			2.1		50.0				
13C3 HFPO-DA	0.1681 0.1778	0.1713	0.1629	0.1647	0.1673	Ave		0.168 7			3.2		50.0				
18O2 PFHxS	0.7337 0.7621	0.7079	0.7226	0.7344	0.7223	Ave		0.730 5			2.5		50.0				
13C4 PFHpA	0.9458 0.9170	0.9105	0.9783	0.9172	0.9086	Ave		0.929 6			2.9		50.0				
M2-6:2 FTS	0.1305 0.1221	0.1208	0.1174	0.1238	0.1190	Ave		0.122 3			3.8		50.0				
13C4 PFOA	0.9664 0.9714	0.9821	0.9385	0.9343	0.9224	Ave		0.952 5			2.5		50.0				
13C4 PFOS	0.5550 0.5622	0.5574	0.5371	0.5252	0.5359	Ave		0.545 5			2.7		50.0				
13C5 PFNA	1.0195 0.9738	1.0155	0.9522	1.0091	0.9633	Ave		0.988 9			3.0		50.0				
13C2 PFDA	0.9585 0.9683	1.0090	0.9553	0.9695	0.9139	Ave		0.962 4			3.2		50.0				
M2-8:2 FTS	0.1567 0.1515	0.1467	0.1413	0.1454	0.1411	Ave		0.147 1			4.1		50.0				
13C8 FOSA	0.8796 0.8447	0.8533	0.8560	0.8028	0.8177	Ave		0.842 3			3.3		50.0				
d3-NMeFOSAA	0.1297 0.1364	0.1272	0.1240	0.1289	0.1277	Ave		0.129 0			3.2		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.: 460-264366-1 Analy Batch No.: 182319

SDG No.: _____

Instrument ID: LC812 GC Column: C-18 ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2022 13:00 Calibration End Date: 08/03/2022 13:41 Calibration ID: 48756

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	0.7330 0.7184	0.7633	0.7516	0.6866	0.7224	Ave		0.729 2			3.7		50.0				
d5-NEtFOSAA	0.1264 0.1202	0.1213	0.1238	0.1195	0.1214	Ave		0.122 1			2.1		50.0				
13C2 PFDoA	0.7516 0.7915	0.7807	0.7448	0.7225	0.7427	Ave		0.755 6			3.4		50.0				
13C2 PFTeDA	0.6281 0.6215	0.6177	0.6191	0.6112	0.6087	Ave		0.617 7			1.1		50.0				
13C2 PFHxDA	0.7349 0.7070	0.7202	0.6662	0.6959	0.6978	Ave		0.703 7			3.3		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.: 460-264366-1 Analy Batch No.: 182319

SDG No.: _____

Instrument ID: LC812 GC Column: C-18 ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2022 13:00 Calibration End Date: 08/03/2022 13:41 Calibration ID: 48756

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-182319/5	PA220803ICAL05.d
Level 2	IC 200-182319/6	PA220803ICAL06.d
Level 3	IC 200-182319/7	PA220803ICAL07.d
Level 4	ICIS 200-182319/8	PA220803ICAL08.d
Level 5	IC 200-182319/9	PA220803ICAL09.d
Level 6	IC 200-182319/10	PA220803ICAL10.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	79209	154590	711450	1485378	3187659	0.0500	0.100	0.500	1.00	2.50
			13183310					10.0				
Perfluoropentanoic acid (PFPeA)		AveI D	65556	126653	591383	1164099	2656548	0.0500	0.100	0.500	1.00	2.50
			10770827					10.0				
Perfluorobutanesulfonic acid (PFBS)		AveI D	69137	137298	638698	1308863	2999148	0.0442	0.0884	0.442	0.884	2.21
			11911747					8.84				
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)		AveI D	12287	26836	127514	264719	611993	0.0467	0.0934	0.467	0.934	2.34
			2363764					9.34				
Perfluorohexanoic acid (PFHxA)		AveI D	61860	123840	601465	1254024	2758598	0.0500	0.100	0.500	1.00	2.50
			10982567					10.0				
Perfluoropentanesulfonic acid (PFPeS)		AveI D	58374	111806	579172	1187688	2602336	0.0469	0.0938	0.469	0.938	2.35
			11015177					9.38				
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)		AveI D	13087	23635	109153	234481	526717	0.0500	0.100	0.500	1.00	2.50
			2193377					10.0				
Perfluorohexanesulfonic acid (PFHxS)		AveI D	51891	93371	469103	943168	2100026	0.0455	0.0910	0.455	0.910	2.28
			8919353					9.10				
Perfluoroheptanoic acid (PFHpA)		AveI D	65633	125739	605835	1289525	2794876	0.0500	0.100	0.500	1.00	2.50
			11197138					10.0				

FORM VI
 PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
 RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 460-264366-1 Analy Batch No.: 182319

SDG No.: _____

Instrument ID: LC812 GC Column: C-18 ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2022 13:00 Calibration End Date: 08/03/2022 13:41 Calibration ID: 48756

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	144834	288123	1341908	2813092	6067195	0.0471	0.0942	0.471	0.942	2.36
			24439985					9.42				
6:2 FTS		L1ID	13823	25321	116911	238899	517908	0.0474	0.0948	0.474	0.948	2.37
			2069626					9.48				
Perfluoroheptanesulfonic acid (PFHpS)		AveI D	45233	83914	400346	822025	1868882	0.0476	0.0952	0.476	0.952	2.38
			7802287					9.52				
Perfluorooctanoic acid (PFOA)		AveI D	77847	141576	662670	1407860	3024763	0.0500	0.100	0.500	1.00	2.50
			12341745					10.0				
Perfluorooctanesulfonic acid (PFOS)		L1ID	44505	77581	326050	683046	1565335	0.0464	0.0928	0.464	0.928	2.32
			6393833					9.28				
Perfluorononanoic acid (PFNA)		AveI D	71691	132027	610819	1409012	2908604	0.0500	0.100	0.500	1.00	2.50
			11406519					10.0				
9-Chlorohexadecafluoro-3-oxanona ne-1-sulfonic acid (9Cl-PF3O)		AveI D	59438	119561	579400	1181613	2607229	0.0466	0.0932	0.466	0.932	2.33
			10822143					9.32				
Perfluorononanesulfonic acid (PFNS)		AveI D	27309	55980	256419	533126	1207870	0.0480	0.0960	0.480	0.960	2.40
			4925638					9.60				
Perfluorodecanoic acid (PFDA)		AveI D	66374	131103	669130	1414392	2964619	0.0500	0.100	0.500	1.00	2.50
			11511562					10.0				
8:2 FTS		AveI D	9196	17191	83425	194268	399769	0.0479	0.0958	0.479	0.958	2.40
			1625337					9.58				
Perfluorooctanesulfonamide (FOSA)		AveI D	54175	119896	561197	1095271	2577197	0.0500	0.100	0.500	1.00	2.50
			10178171					10.0				
N-methylperfluorooctanesulfonami doacetic acid (NMeFOSAA)		AveI D	6986	13734	78017	153984	350351	0.0500	0.100	0.500	1.00	2.50
			1461120					10.0				

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 460-264366-1 Analy Batch No.: 182319

SDG No.: _____

Instrument ID: LC812 GC Column: C-18 ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2022 13:00 Calibration End Date: 08/03/2022 13:41 Calibration ID: 48756

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	18501	40369	200232	414469	934202	0.0482	0.0964	0.482	0.964	2.41
			3753346					9.64				
Perfluoroundecanoic acid (PFUnA)		AveI D	52491	102072	503320	1006935	2312817	0.0500	0.100	0.500	1.00	2.50
			8843669					10.0				
N-ethylperfluorooctanesulfonamid oacetic acid (NEtFOSAA)		AveI D	7270	14911	71793	144142	329631	0.0500	0.100	0.500	1.00	2.50
			1315871					10.0				
11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11Cl-PF)		AveI D	77476	155503	768442	1584274	3478140	0.0471	0.0942	0.471	0.942	2.36
			13952793					9.42				
Perfluorododecanoic acid (PFDoA)		AveI D	50149	100780	498404	1007986	2257049	0.0500	0.100	0.500	1.00	2.50
			9235605					10.0				
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)		AveI D	4172	8639	39968	88428	188626	0.0482	0.0964	0.482	0.964	2.41
			745570					9.64				
Perfluorododecanesulfonic acid (PFDoS)		AveI D	9196	17866	93712	169391	396436	0.0484	0.0968	0.484	0.968	2.42
			1630442					9.68				
Perfluorotridecanoic acid (PFTriA)		AveI D	44332	86868	432811	899529	1962703	0.0500	0.100	0.500	1.00	2.50
			7584486					10.0				
Perfluorotetradecanoic acid (PFTeA)		AveI D	6696	12683	63032	133055	297564	0.0500	0.100	0.500	1.00	2.50
			1163895					10.0				
Perfluoro-n-hexadecanoic acid (PFHxDA)		L1ID	52583	98813	429383	890409	1990402	0.0500	0.100	0.500	1.00	2.50
			7724125					10.0				
Perfluoro-n-octadecanoic acid (PFODA)		AveI D	30589	64267	304377	621162	1396187	0.0500	0.100	0.500	1.00	2.50
			5256805					10.0				
13C4 PFBA	13PF OA	Ave	1801086	1889069	1792010	1990166	1857803	1.25	1.25	1.25	1.25	1.25
			1806199					1.25				

FORM VI
 PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
 RESPONSE AND CONCENTRATION

Lab Name: Eurofins Burlington Job No.: 460-264366-1 Analy Batch No.: 182319

SDG No.: _____

Instrument ID: LC812 GC Column: C-18 ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2022 13:00 Calibration End Date: 08/03/2022 13:41 Calibration ID: 48756

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	1457461 1356802	1467520	1422776	1448057	1404065	1.25 1.25	1.25	1.25	1.25	1.25
13C3 PFBS	13PF OA	Ave	1518638 1451388	1552604	1530333	1606766	1554917	1.16 1.16	1.16	1.16	1.16	1.16
M2-4:2 FTS	13PF OA	Ave	128546 128662	135136	130321	139111	134930	1.17 1.17	1.17	1.17	1.17	1.17
13C2 PFHxA	13PF OA	Ave	1413508 1361444	1370007	1432991	1545822	1429283	1.25 1.25	1.25	1.25	1.25	1.25
13C3 HFPO-DA	13PF OA	Ave	258219 271626	270250	255203	284467	269301	1.25 1.25	1.25	1.25	1.25	1.25
18O2 PFHxS	13PF OA	Ave	1066162 1101269	1056649	1070938	1199930	1100091	1.18 1.18	1.18	1.18	1.18	1.18
13C4 PFHpA	13PF OA	Ave	1452765 1400879	1436597	1532788	1584230	1462731	1.25 1.25	1.25	1.25	1.25	1.25
M2-6:2 FTS	13PF OA	Ave	190476 177168	181082	174667	203094	182060	1.19 1.19	1.19	1.19	1.19	1.19
13C4 PFOA	13PF OA	Ave	1484438 1483901	1549546	1470428	1613787	1484954	1.25 1.25	1.25	1.25	1.25	1.25
13C4 PFOS	13PF OA	Ave	814976 821046	840757	804391	867294	824732	1.20 1.20	1.20	1.20	1.20	1.20
13C5 PFNA	13PF OA	Ave	1565872 1487561	1602191	1491888	1743026	1550788	1.25 1.25	1.25	1.25	1.25	1.25
13C2 PFDA	13PF OA	Ave	1472294 1479189	1591995	1496707	1674653	1471206	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.: 460-264366-1 Analy Batch No.: 182319

SDG No.: _____

Instrument ID: LC812 GC Column: C-18 ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/03/2022 13:00 Calibration End Date: 08/03/2022 13:41 Calibration ID: 48756

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	230513 221709	221797	212018	240555	217682	1.20 1.20	1.20	1.20	1.20	1.20
13C8 FOSA	13PF OA	Ave	1351035 1290314	1346274	1341161	1386621	1316398	1.25 1.25	1.25	1.25	1.25	1.25
d3-NMeFOSAA	13PF OA	Ave	199141 208390	200758	194324	222702	205583	1.25 1.25	1.25	1.25	1.25	1.25
13C2 PFUnA	13PF OA	Ave	1125897 1097436	1204305	1177558	1185895	1162923	1.25 1.25	1.25	1.25	1.25	1.25
d5-NEtFOSAA	13PF OA	Ave	194163 183559	191350	194014	206475	195385	1.25 1.25	1.25	1.25	1.25	1.25
13C2 PFDoA	13PF OA	Ave	1154380 1209177	1231772	1166932	1247905	1195679	1.25 1.25	1.25	1.25	1.25	1.25
13C2 PFTeDA	13PF OA	Ave	964763 949490	974562	969884	1055713	979883	1.25 1.25	1.25	1.25	1.25	1.25
13C2 PFHxDA	13PF OA	Ave	1128787 1080090	1136259	1043688	1201939	1123333	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\20220803-51940.b\PA220803ICAL05.d
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 03-Aug-2022 13:00:16 ALS Bottle#: 2 Worklist Smp#: 5
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 200-0051940-005 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 03-Aug-2022 14:24:59 Calib Date: 03-Aug-2022 13:41:11
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1672

First Level Reviewer: Z1IP Date: 03-Aug-2022 13:19:34

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										M
217.00 > 172.00	2.078	2.085	-0.007	0.597	1801086	1.26		100	7731	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.086	2.085	0.001	1.004	79209	0.0567		113	10.2	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.391	2.400	-0.009	0.687	1457461	1.32		106	3267	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.405	2.400	0.005	1.006	65556	0.0545		109	2.6	M
D 47 13C3 PFBS										
301.90 > 80.00	2.418	2.413	0.005	0.695	1518638	1.19		102	230606	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.418	2.413	0.005	1.000	69137	0.0479	Target=2.18	108	82.0	M
298.90 > 99.00	2.418	2.413	0.005	1.000	30532		2.26(1.09-3.28)	108	28.0	
D 60 M2-4:2 FTS										
329.00 > 81.00	2.709	2.713	-0.004	0.779	128546	1.17		100	129	
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.721	2.713	0.008	1.004	12287	0.0470		101	186	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.757	2.750	0.007	1.004	61860	0.0524	Target=12.37	105	15.3	M
313.00 > 119.00	2.757	2.750	0.007	1.004	6757		9.15(6.19-18.56)	105	12.2	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.745	2.750	-0.005	0.789	1413508	1.28		103	3566	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.757	2.762	-0.005	0.885	58374	0.0499	Target=3.00	106	119	M
349.00 > 99.00	2.757	2.762	-0.005	0.885	18394		3.17(1.50-4.50)	106	47.8	M
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.867	2.859	0.008	0.824	258219	1.25		99.7	1682	

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	2.867	2.859	0.008	1.000	13087	0.0590		118	132	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.128	3.121	0.007	0.899	1452765	1.27		102	2063	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.128	3.121	0.007	1.000	65633	0.0548	Target=3.68	110	22.4	M
363.00 > 169.00	3.117	3.121	-0.005	0.996	19194		3.42(1.84-5.52)	110	44.6	M
D 11 18O2 PFHxS										M
403.00 > 84.00	3.117	3.121	-0.005	0.896	1066162	1.19		100	1745	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.117	3.121	-0.005	1.000	51891	0.0522	Target=3.52	115	172	M
399.00 > 99.00	3.117	3.121	-0.005	1.000	15155		3.42(1.76-5.27)	115	21.9	M
77 DONA										M
377.00 > 251.00	3.161	3.165	-0.004	0.832	144834	0.0516	Target=2.78	109	296	M
377.00 > 85.00	3.161	3.165	-0.004	0.832	51045		2.84(1.39-4.17)	109	84.5	M
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.471	3.474	-0.003	0.997	190476	1.27		107	388	M
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.471	3.474	-0.003	1.000	13823	0.0423		89.3	48.7	
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.471	3.474	-0.003	0.914	45233	0.0537	Target=4.99	113	228	
449.00 > 99.00	3.471	3.474	-0.003	0.914	7774		5.82(2.50-7.49)	113	46.7	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.479	3.482	-0.003	1.000	77847	0.0585	Target=2.64	117	10.3	
413.00 > 169.00	3.479	3.482	-0.003	1.000	31052		2.51(1.32-3.96)	117	75.3	M
D 14 13C4 PFOA										M
417.00 > 372.00	3.479	3.482	-0.003	1.000	1484438	1.27		101	1596	M
* 62 13C2 PFOA										M
415.00 > 370.00	3.479	3.482	-0.003		1535975	1.25			1908	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.799	3.802	-0.003	1.000	44505	0.0471	Target=4.77	102	27.2	M
499.00 > 99.00	3.799	3.802	-0.003	1.000	8724		5.10(2.38-7.15)	102	34.5	M
D 18 13C4 PFOS										
503.00 > 80.00	3.799	3.802	-0.003	1.092	814976	1.22		102	3178	
20 Perfluorononanoic acid										M
463.00 > 419.00	3.819	3.822	-0.003	1.000	71691	0.0562	Target=7.92	112	27.7	
463.00 > 169.00	3.819	3.822	-0.003	1.000	8957		8.00(3.96-11.88)	112	106	M
D 19 13C5 PFNA										
468.00 > 423.00	3.819	3.822	-0.003	1.098	1565872	1.29		103	2443	
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.968	3.969	-0.001	1.045	59438	0.0493		106	384	M
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.104	4.093	0.011	1.080	27309	0.0511	Target=2.52	107	349	
549.00 > 99.00	4.104	4.093	0.011	1.080	10843		2.52(1.26-3.78)	107	81.2	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.138	4.127	0.011	1.000	9196	0.0495		103	154	

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	4.126	4.127	-0.001	1.000	66374	0.0536	Target=9.74	107	50.2	M
513.00 > 169.00	4.126	4.127	-0.001	1.000	5921		11.21(4.87-14.60)	107	27.6	
D 23 13C2 PFDA										M
515.00 > 470.00	4.126	4.127	-0.001	1.186	1472294	1.24		99.6	1098	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.138	4.138	0.0	1.189	230513	1.28		106	1064	
D 21 13C8 FOSA										M
506.00 > 78.00	4.172	4.173	-0.001	1.199	1351035	1.31		104	2009	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.184	4.173	0.011	1.003	54175	0.0492		98.4	245	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.273	4.273	0.0	1.000	6986	0.0494		98.8	26.0	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.273	4.273	0.0	1.228	199141	1.26		101	1135	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.375	4.365	0.010	1.152	18501	0.0466	Target=2.62	96.6	170	M
599.00 > 99.00	4.364	4.365	-0.001	1.149	7794		2.37(1.31-3.93)	96.6	95.5	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.398	4.399	-0.001	1.264	1125897	1.26		101	1115	M
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.398	4.399	-0.001	1.000	52491	0.0550	Target=8.83	110	49.5	M
563.00 > 169.00	4.398	4.399	-0.001	1.000	5695		9.22(4.41-13.24)	110	73.1	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.409	4.410	-0.001	1.000	7270	0.0516		103	80.8	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.409	4.410	-0.001	1.267	194163	1.29		104	918	
66 11-Chloroeicosafuoro-3-oxaundec										M
631.00 > 451.00	4.503	4.491	0.012	1.185	77476	0.0494		105	387	M
D 36 13C2 PFDaA										M
615.00 > 570.00	4.632	4.633	-0.001	1.331	1154380	1.24		99.5	902	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.632	4.633	-0.001	1.000	50149	0.0535	Target=6.63	107	9.0	M
613.00 > 169.00	4.632	4.633	-0.001	1.000	7314		6.86(3.32-9.95)	107	56.8	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.653	4.654	-0.001	1.125	4172	0.0480		99.7	163	
75 Perfluorododecanesulfonic acid (
699.00 > 80.00	4.812	4.813	-0.001	1.267	9196	0.0521	Target=0.54	108	159	
699.00 > 99.00	4.812	4.813	-0.001	1.267	18022		0.51(0.27-0.81)	108	268	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.858	4.859	-0.001	1.049	44332	0.0546	Target=4.62	109	8.6	M
663.00 > 169.00	4.858	4.859	-0.001	1.049	8523		5.20(2.31-6.94)	109	93.5	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.051	5.052	-0.001	1.452	964763	1.27		102	1373	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.051	5.052	-0.001	1.000	6696	0.0542	Target=0.94	108	69.6	M
713.00 > 219.00	5.051	5.052	-0.001	1.000	7362		0.91(0.47-1.41)	108	76.1	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	5.421	5.422	-0.001	1.000	52583	0.0444	Target=4.40	88.7	14.1	
813.00 > 169.00	5.421	5.422	-0.001	1.000	11856		4.44(2.20-6.59)	88.7	97.5	M
D 44 13C2 PFHxDA										M
815.00 > 770.00	5.421	5.422	-0.001	1.558	1128787	1.31		104	2389	M
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.776	5.786	-0.010	1.065	30589	0.0509	Target=4.42	102	10.2	M
913.00 > 169.00	5.776	5.786	-0.010	1.065	6782		4.51(2.21-6.63)	102	57.6	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC1_00013

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfms\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d

Injection Date: 03-Aug-2022 13:00:16

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

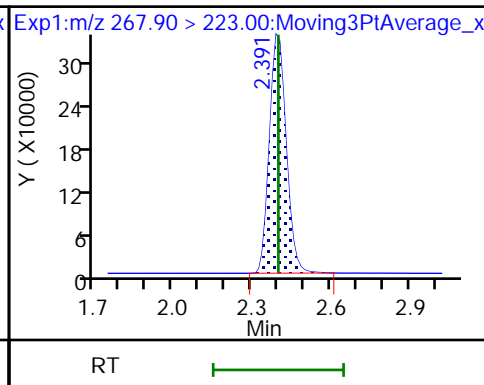
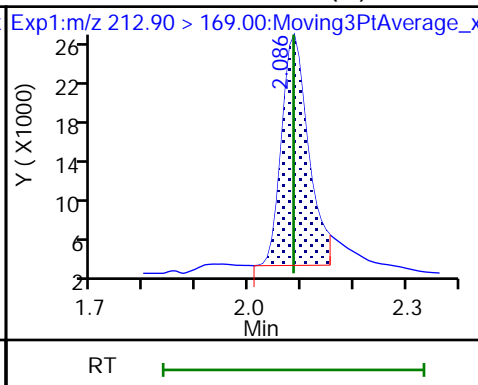
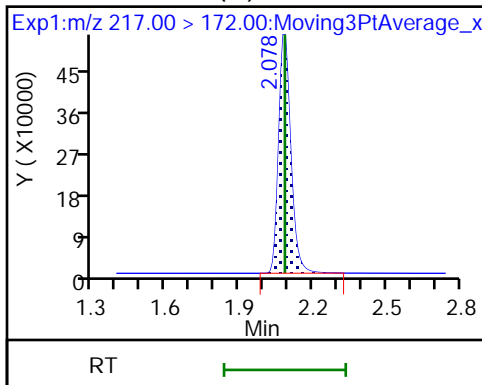
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA (M)

2 Perfluorobutanoic acid (M)

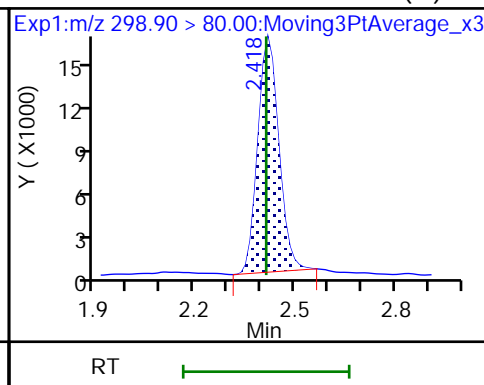
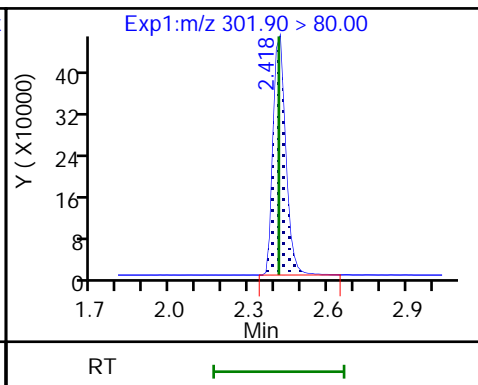
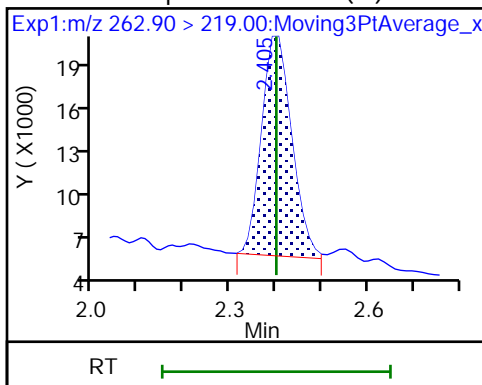
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS

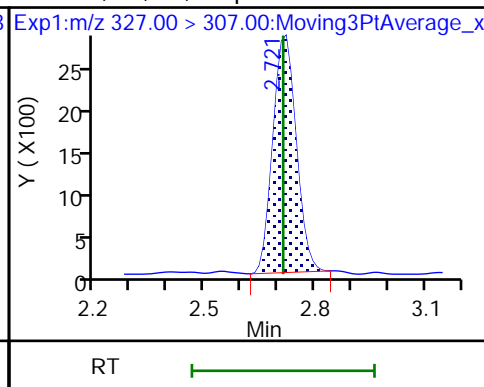
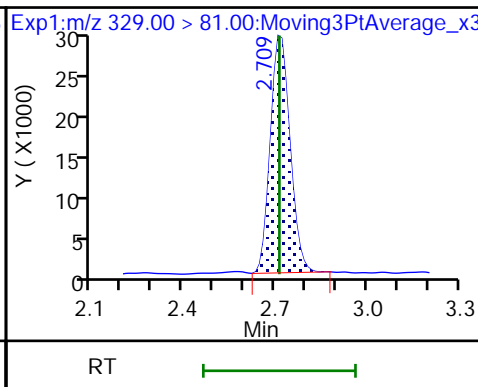
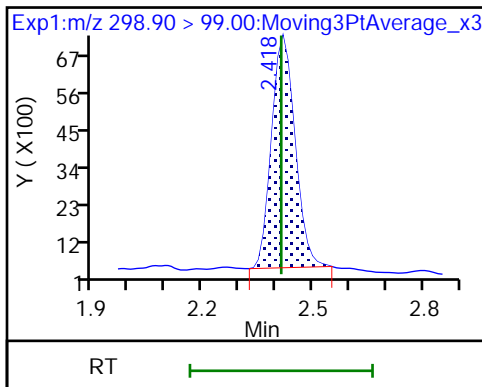
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid

D 60 M2-4:2 FTS

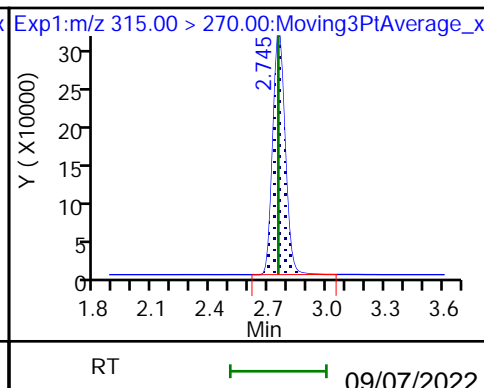
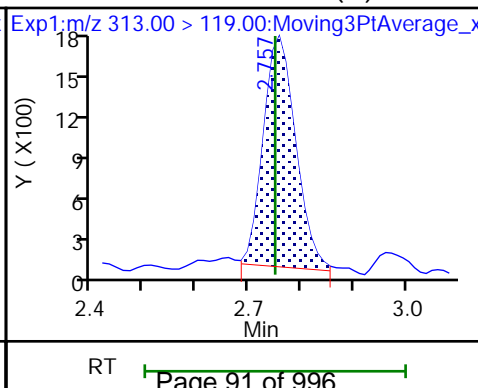
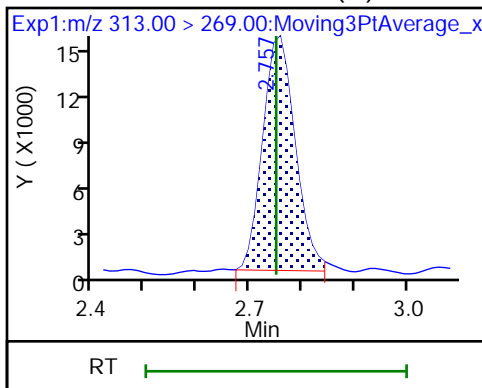
61 1H,1H,2H,2H-perfluorohexanesulfo



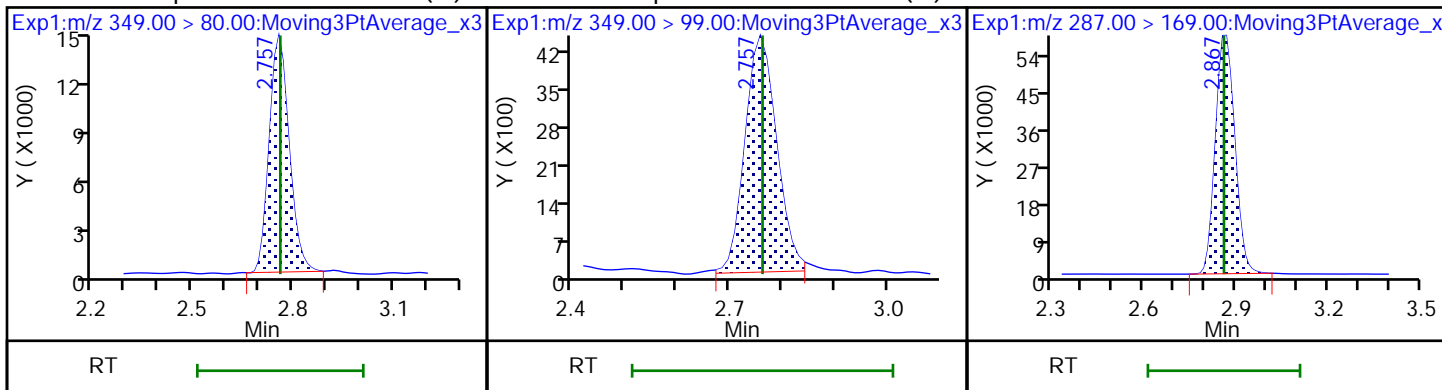
6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid (M)

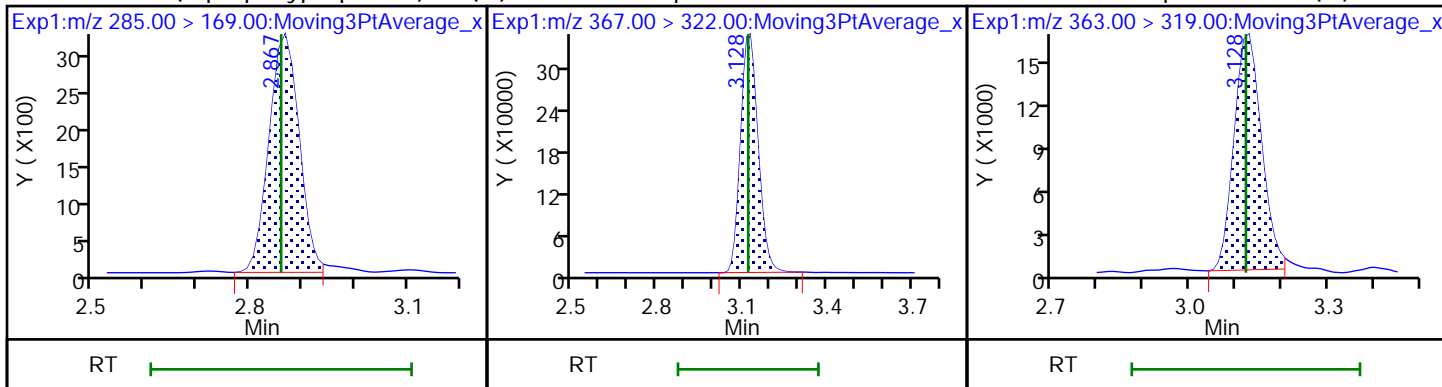
D 7 13C2 PFXa



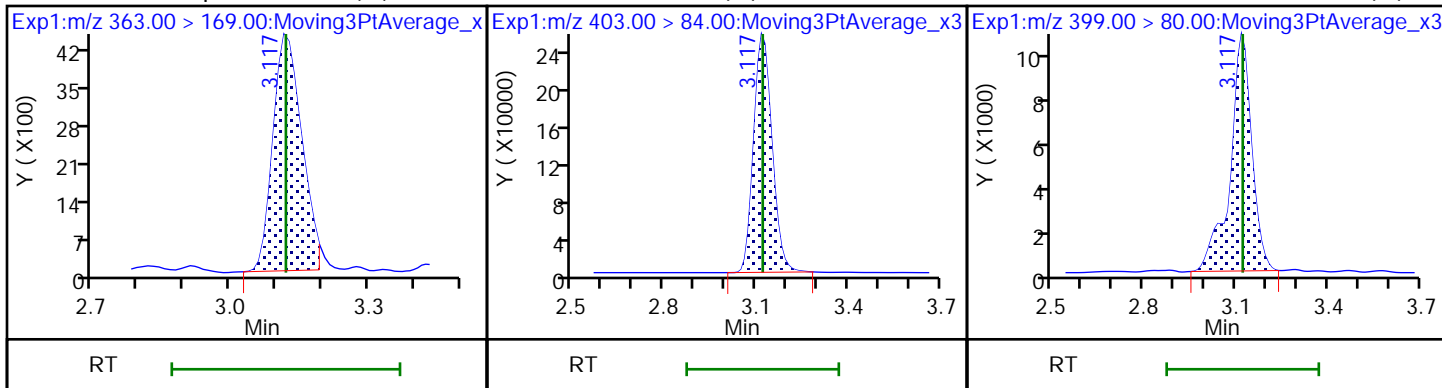
70 Perfluoropentanesulfonic acid (M) 70 Perfluoropentanesulfonic acid (M) D 64 13C3 HFPO-DA



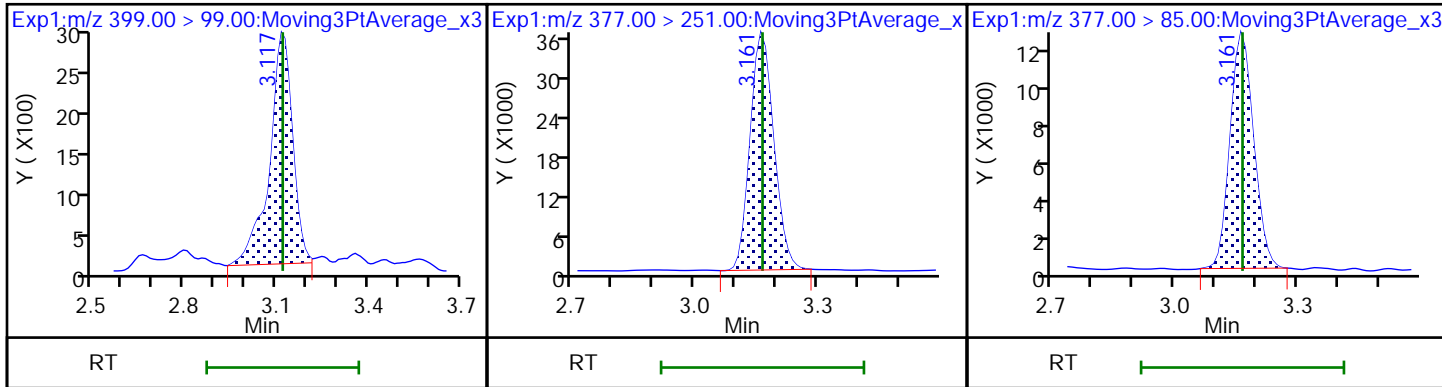
67 Perfluoro(2-propoxypropanoic) ac (M) 9 13C4 PFHpA 10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid (M) D 11 18O2 PFHxS (M) 8 Perfluorohexanesulfonic acid (M)



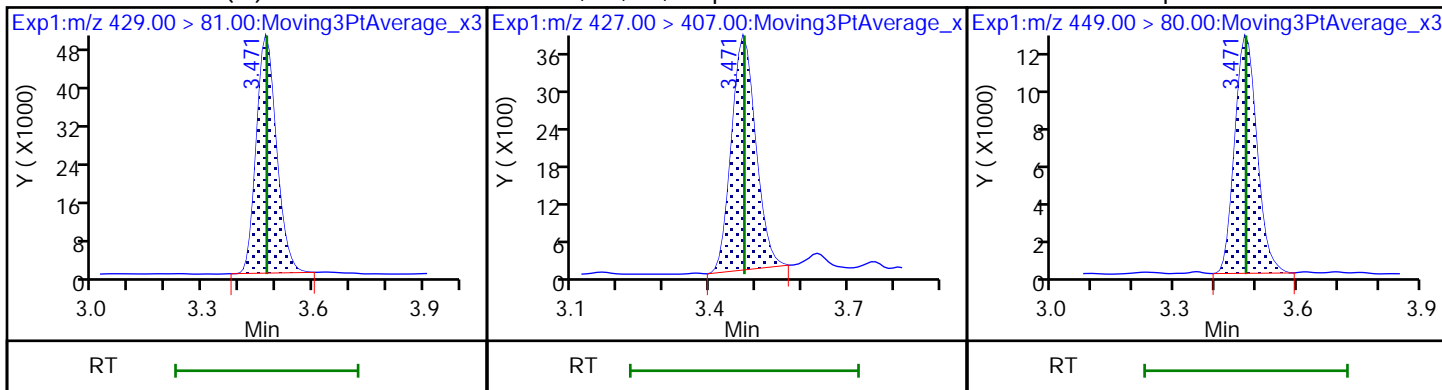
8 Perfluorohexanesulfonic acid (M) 77 DONA (M) 77 DONA (M)



D 12 M2-6:2 FTS (M)

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

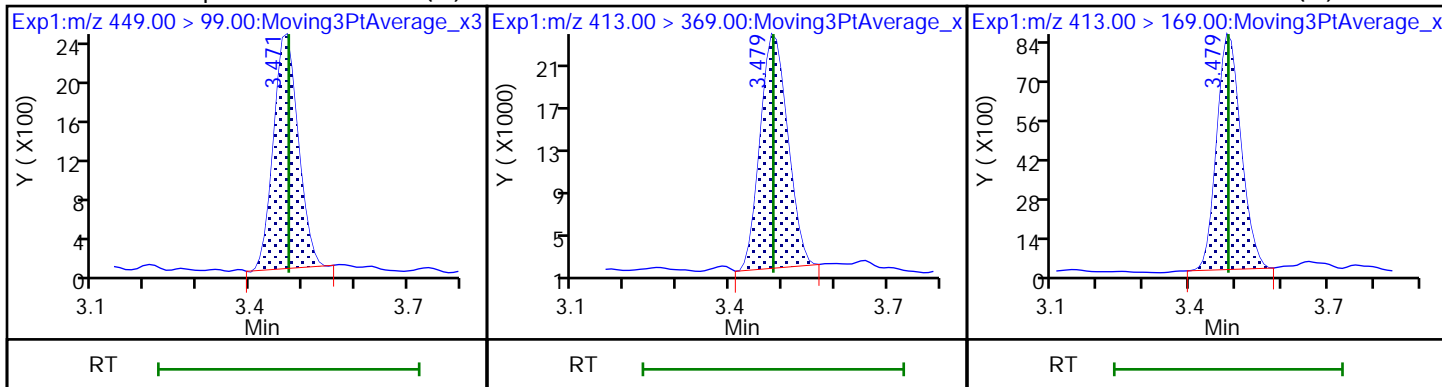
16 Perfluoroheptanesulfonic acid



16 Perfluoroheptanesulfonic acid (M)

15 Perfluorooctanoic acid

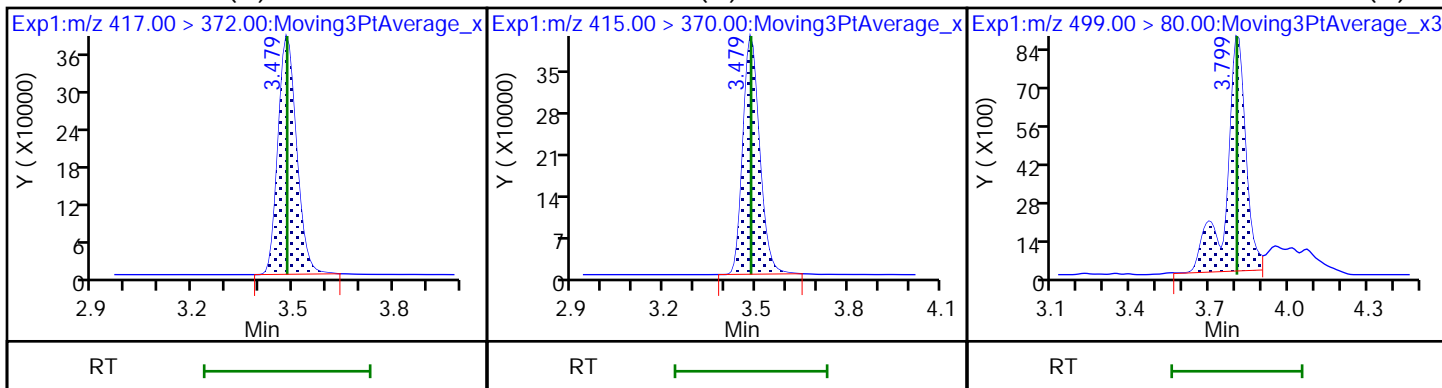
15 Perfluorooctanoic acid (M)



D 14 13C4 PFOA (M)

* 62 13C2 PFOA (M)

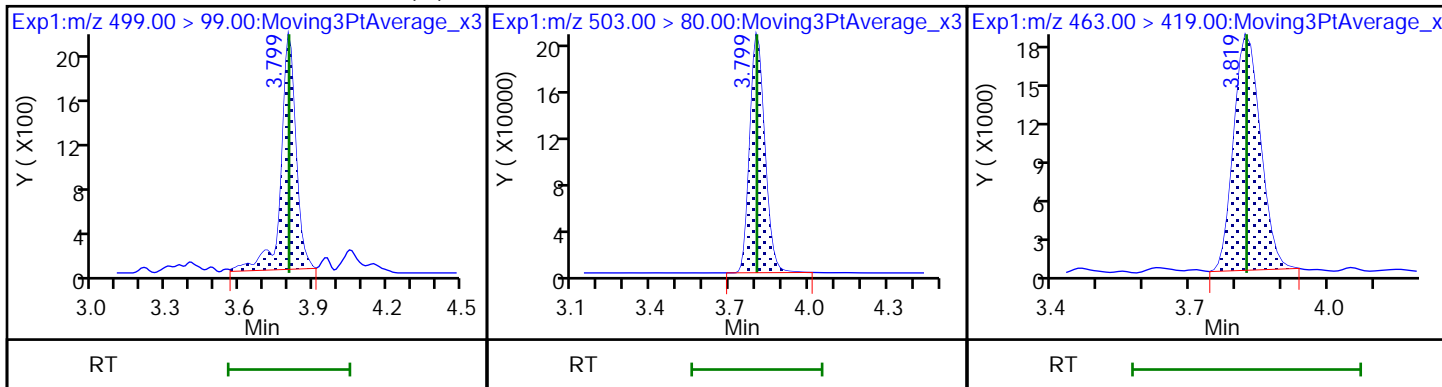
17 Perfluorooctanesulfonic acid (M)

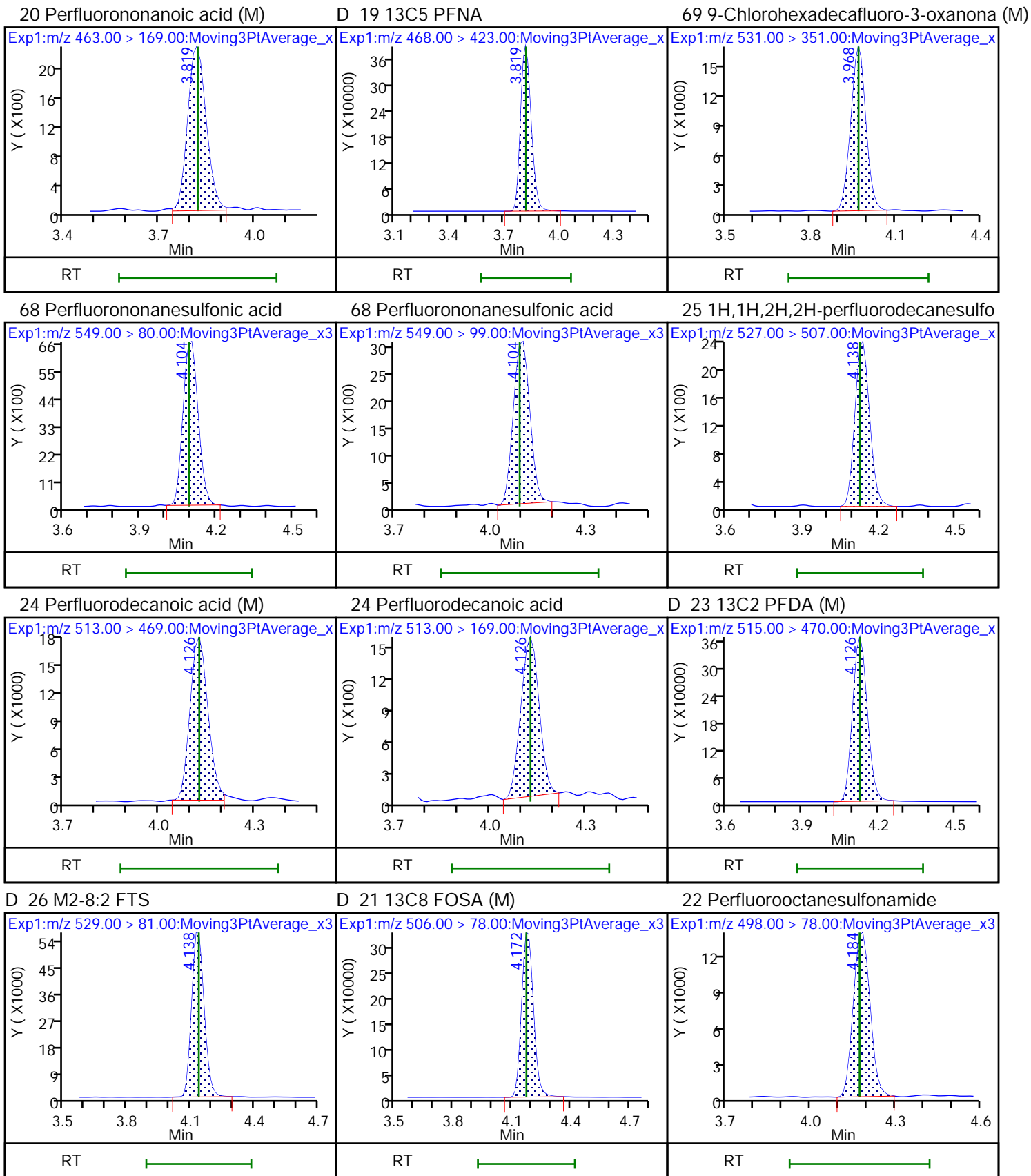


17 Perfluorooctanesulfonic acid (M)

D 18 13C4 PFOS

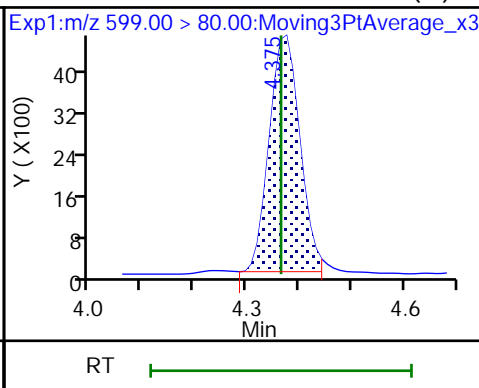
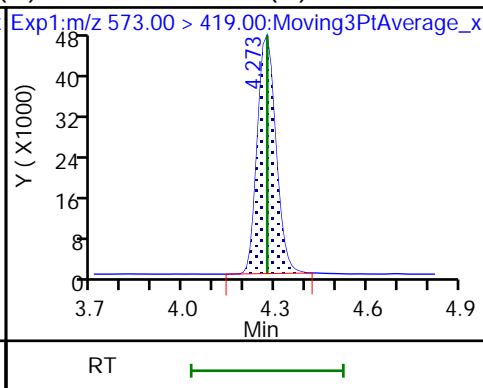
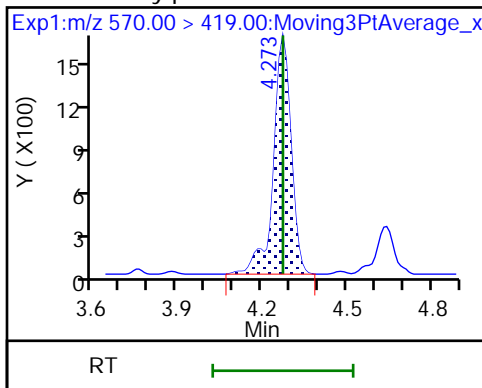
20 Perfluorononanoic acid





28 N-methylperfluorooctanesulfonami (M) 27 d3-NMeFOSAA (M)

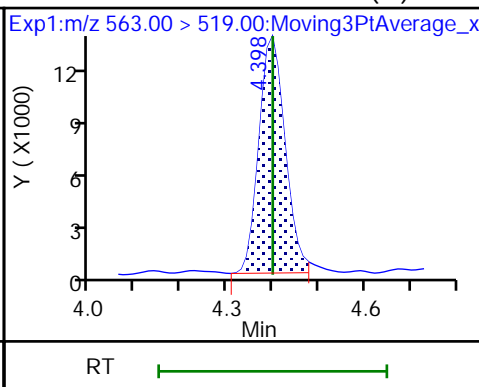
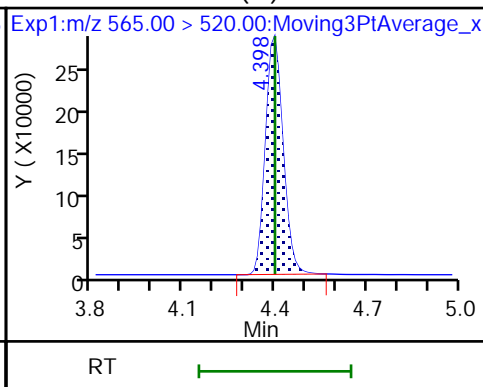
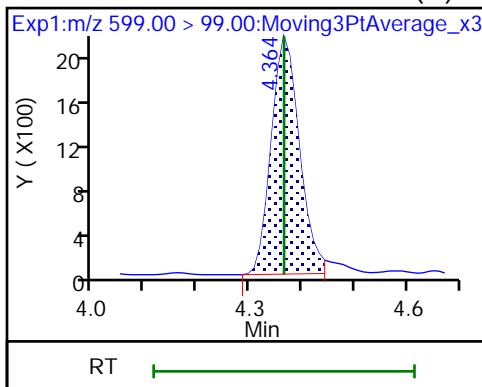
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

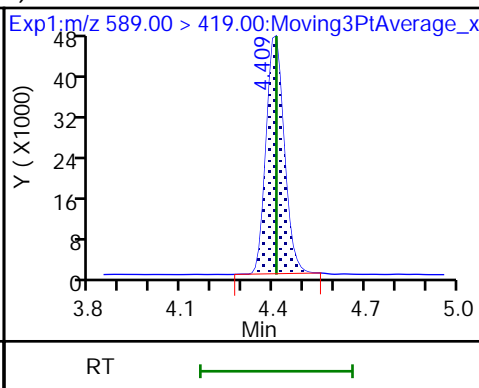
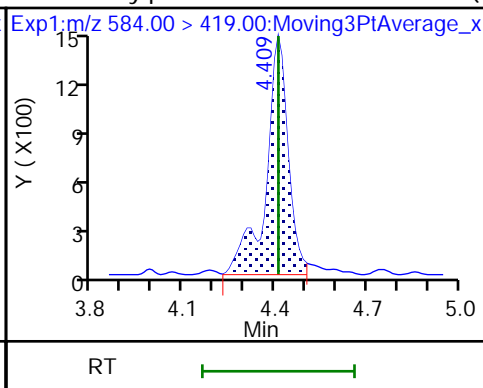
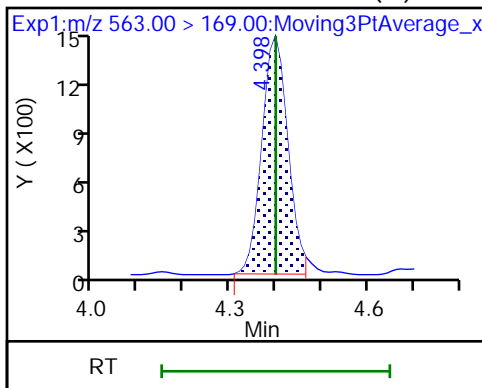
D 30 13C2 PFUa (M)

31 Perfluoroundecanoic acid (M)



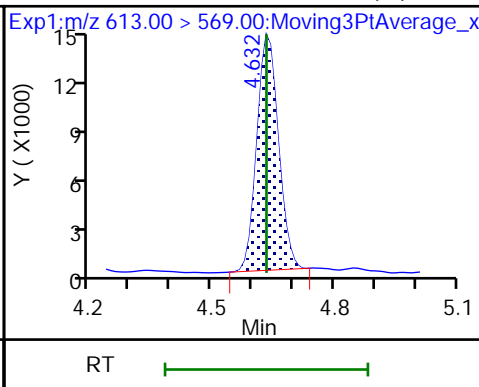
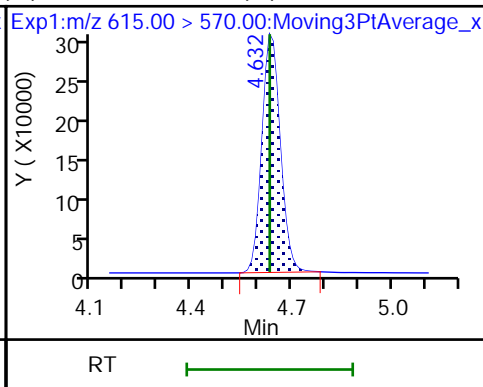
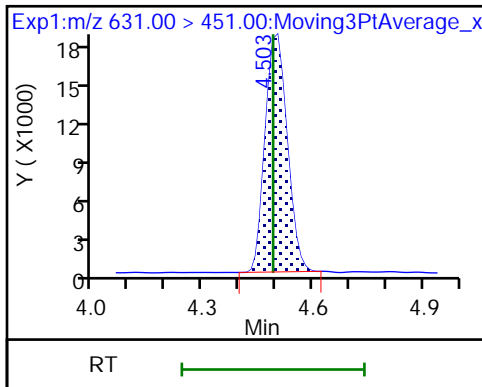
31 Perfluoroundecanoic acid (M)

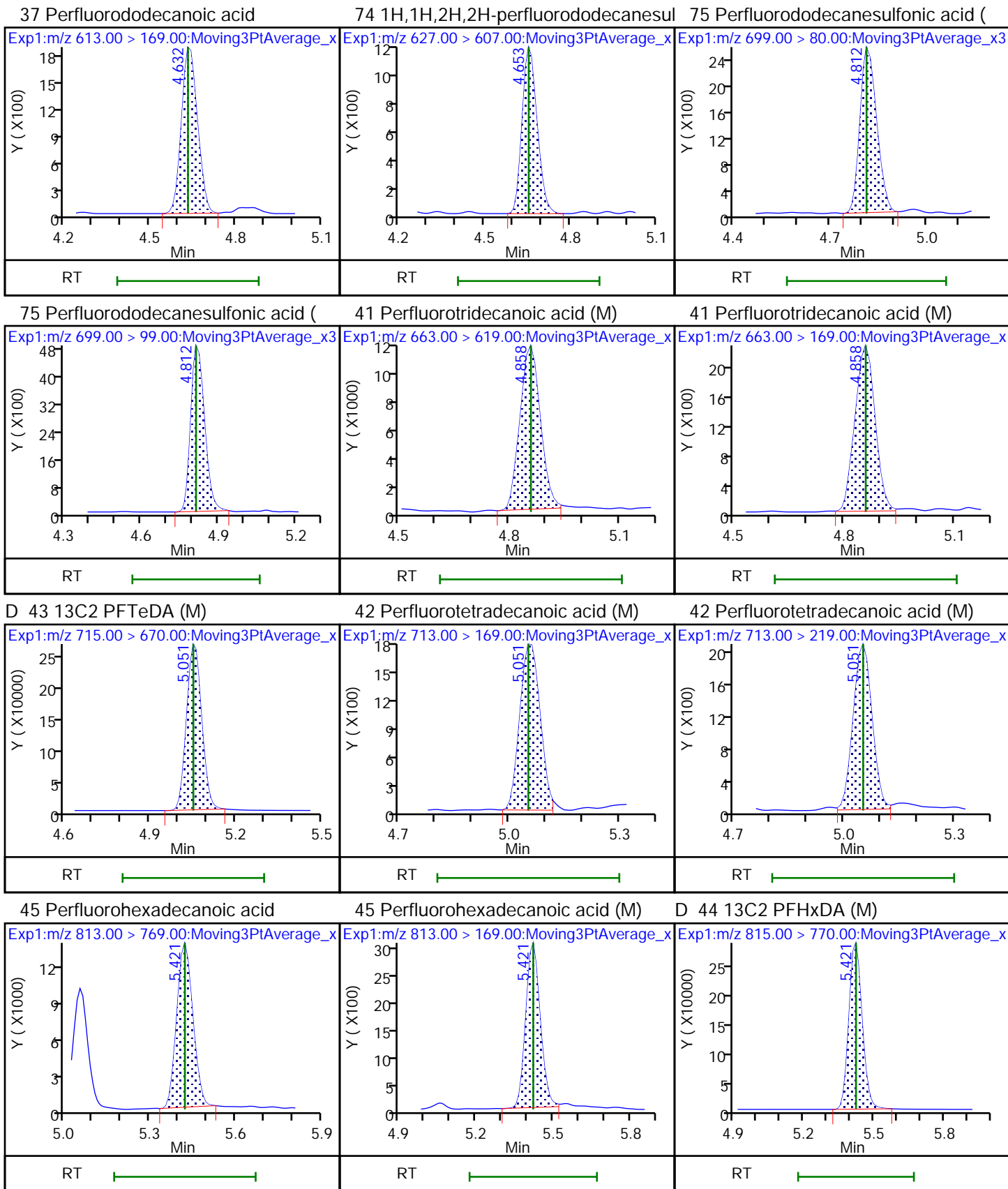
33 N-ethylperfluorooctanesulfonamid (M) 32 d5-NEtFOSAA



66 11-Chloroeicosafuoro-3-oxaundec (M) 36 13C2 PFDoA (M)

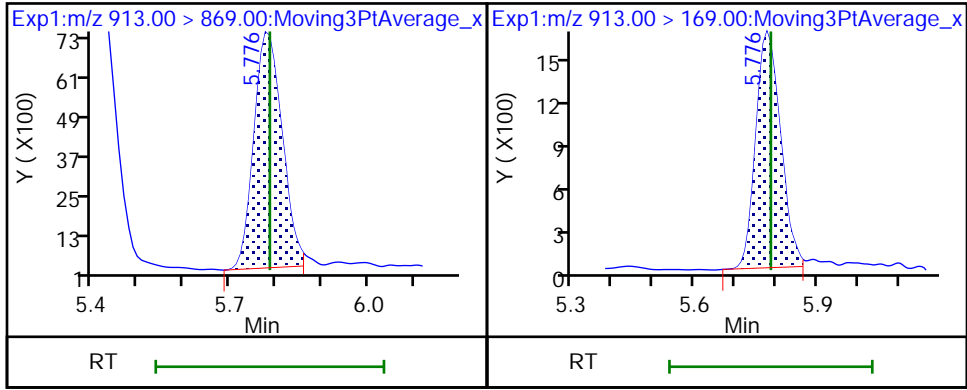
37 Perfluorododecanoic acid (M)





46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



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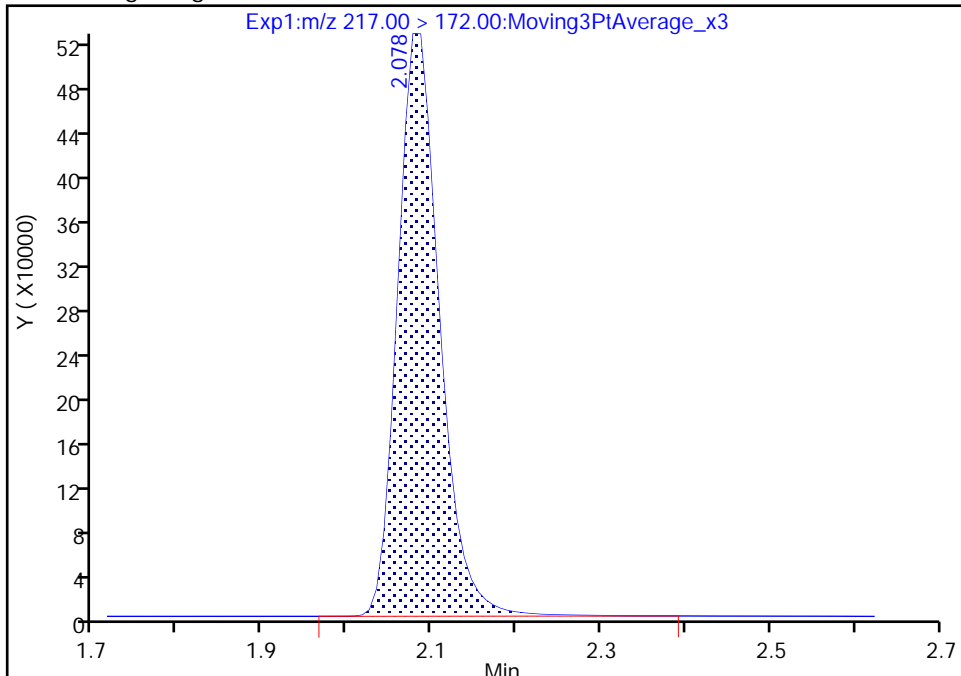
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Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

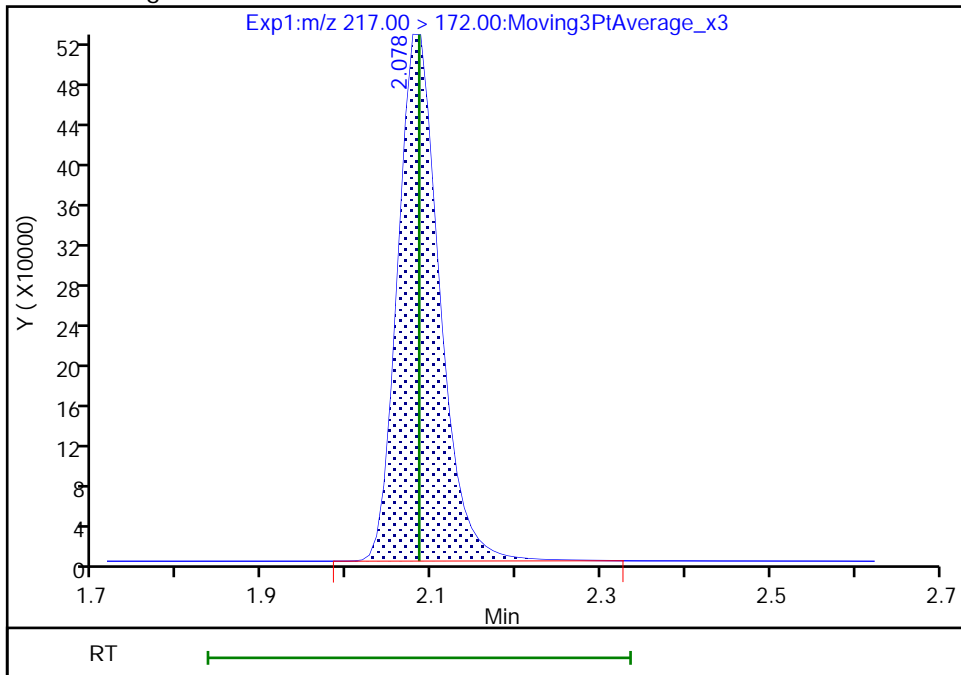
RT: 2.08
Area: 1802999
Amount: 1.250000
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 1801086
Amount: 1.255951
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:15:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

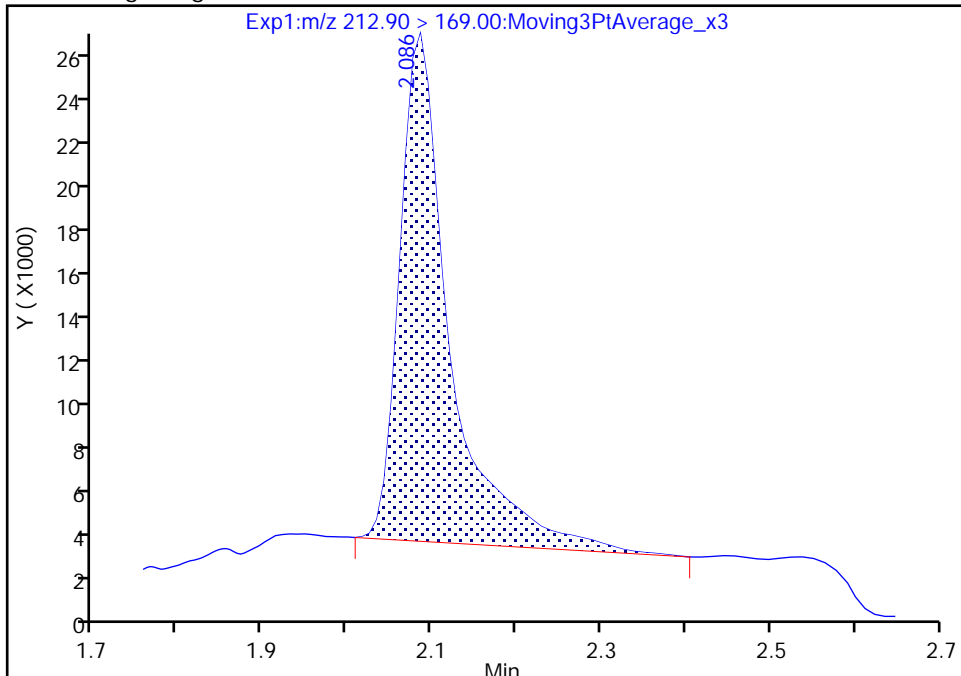
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Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

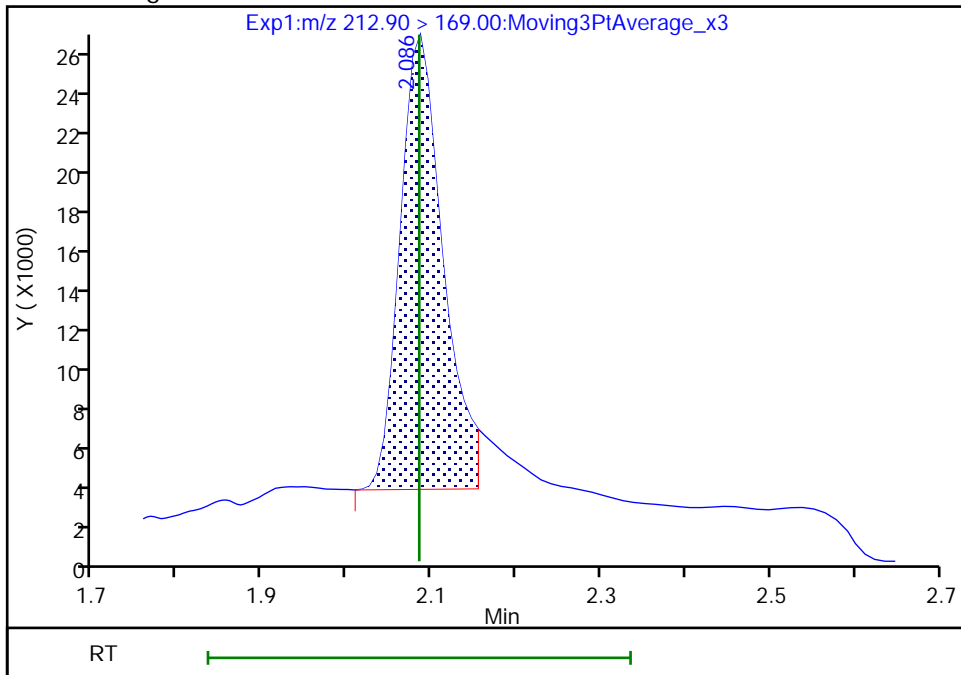
RT: 2.09
Area: 93673
Amount: 0.065648
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 79209
Amount: 0.056691
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:15:57
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

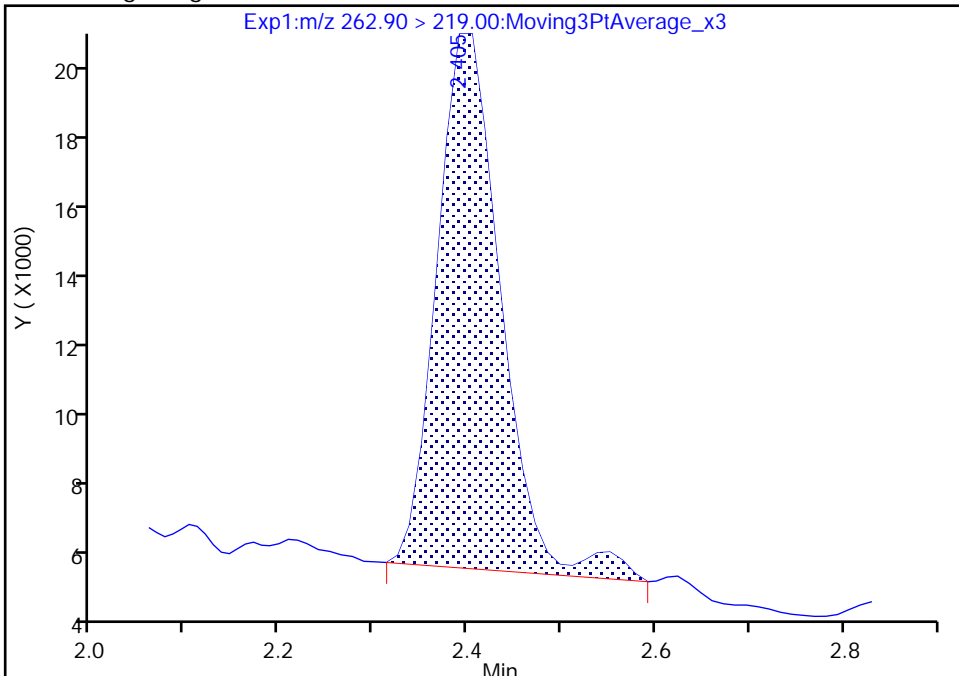
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

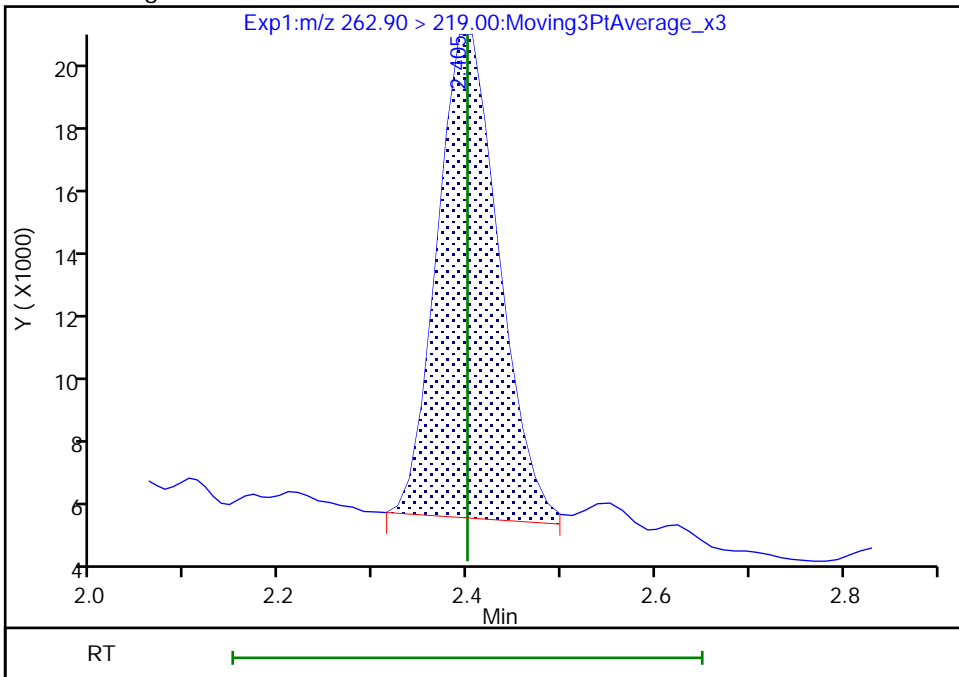
RT: 2.40
Area: 67952
Amount: 0.055488
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 65556
Amount: 0.054537
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:16:07
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

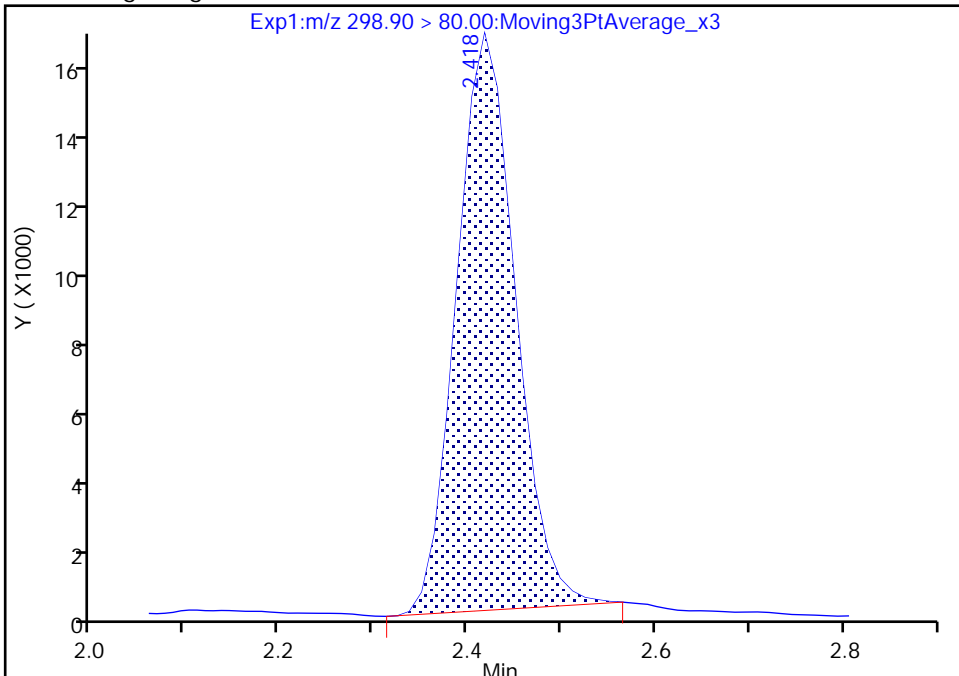
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

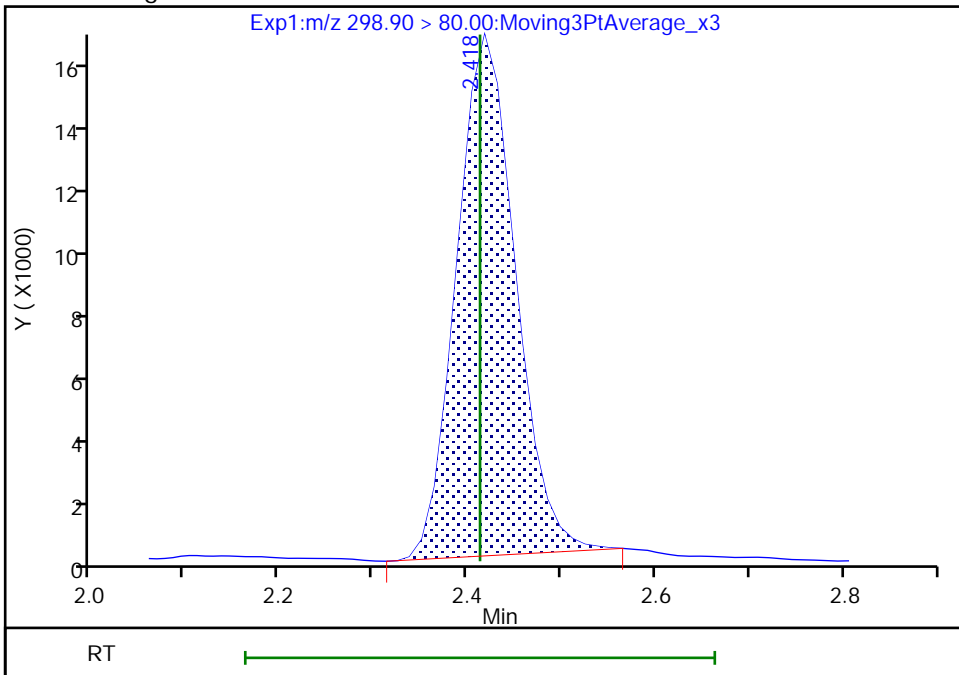
RT: 2.42
Area: 69137
Amount: 0.048271
Amount Units: ng/ml

Processing Integration Results



RT: 2.42
Area: 69137
Amount: 0.047945
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:16:14
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

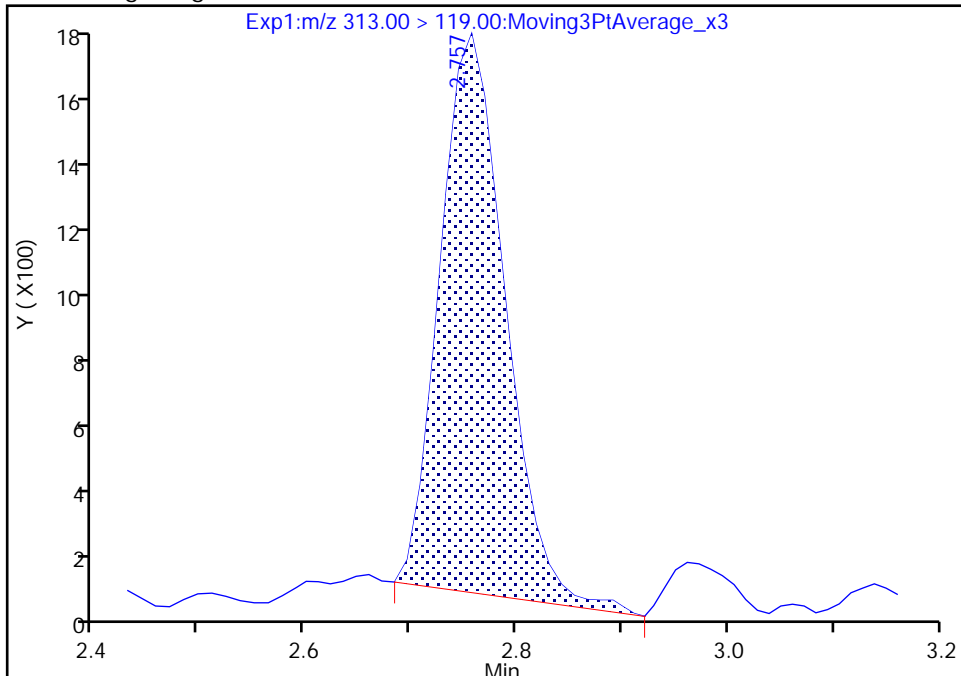
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

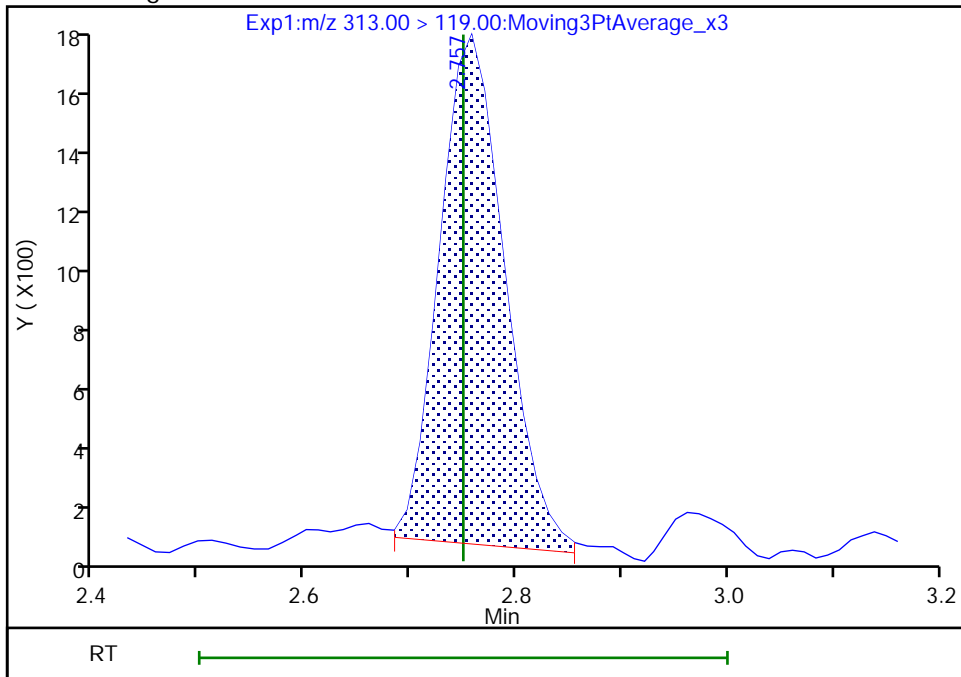
RT: 2.76
Area: 6724
Amount: 0.051926
Amount Units: ng/ml

Processing Integration Results



RT: 2.76
Area: 6757
Amount: 0.052426
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:16:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

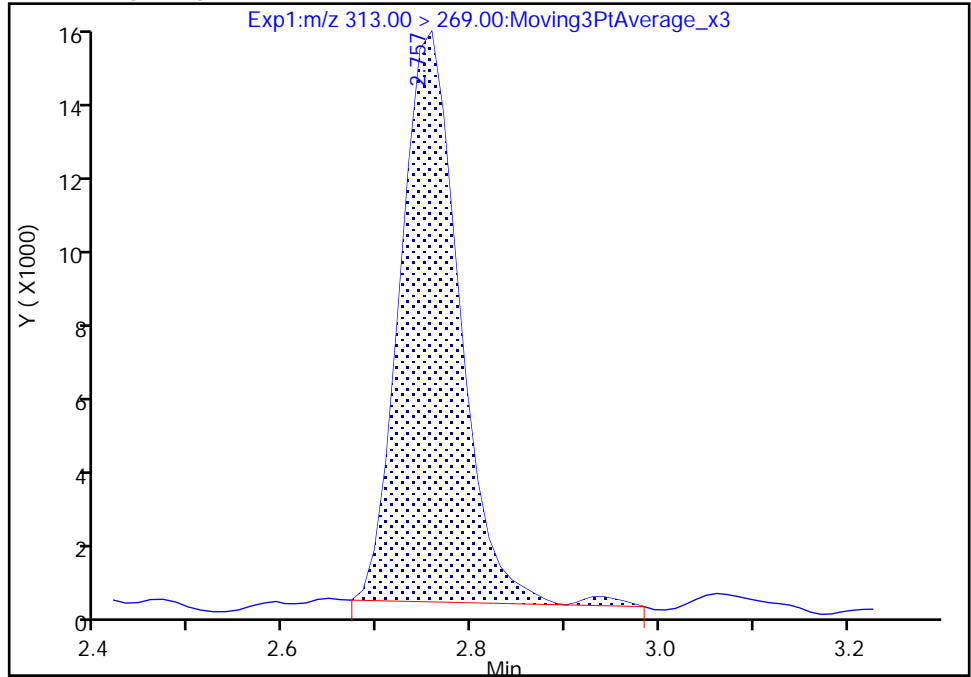
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

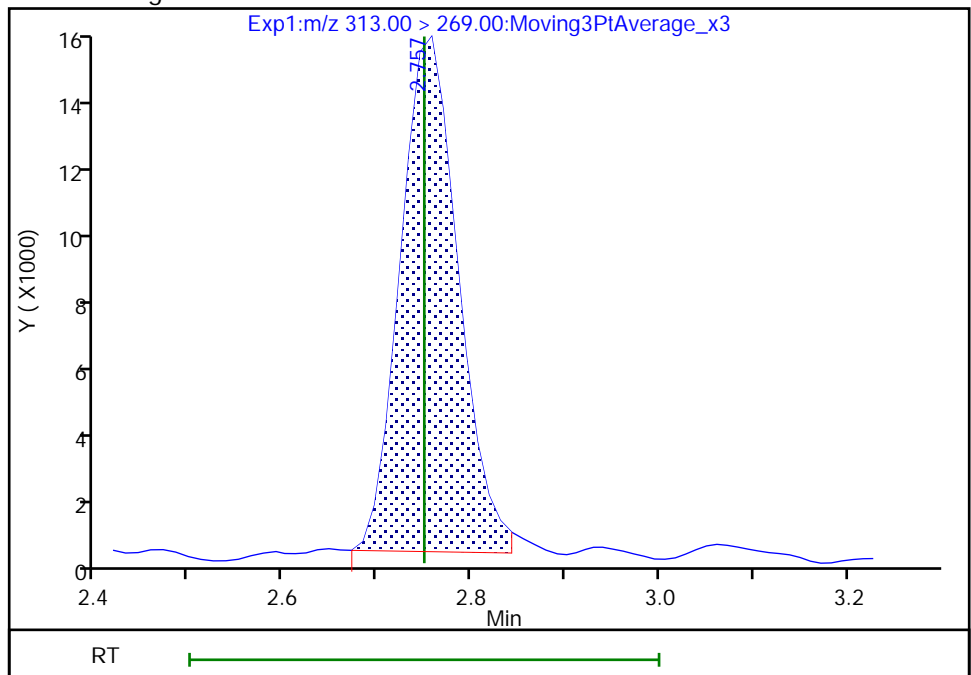
RT: 2.76
Area: 63395
Amount: 0.051926
Amount Units: ng/ml

Processing Integration Results



RT: 2.76
Area: 61860
Amount: 0.052426
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:16:40

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

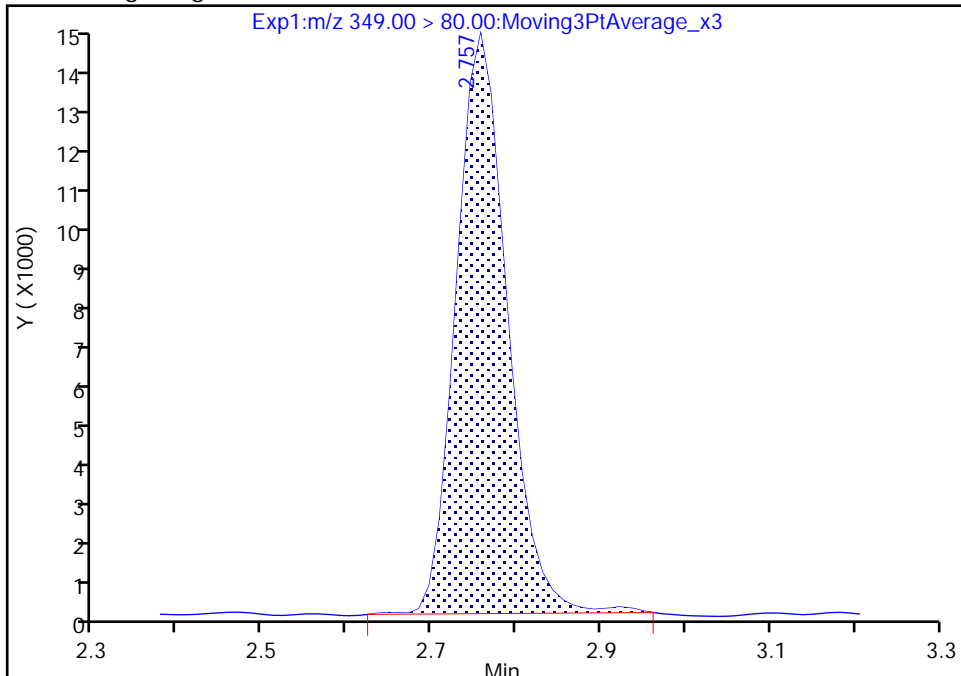
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

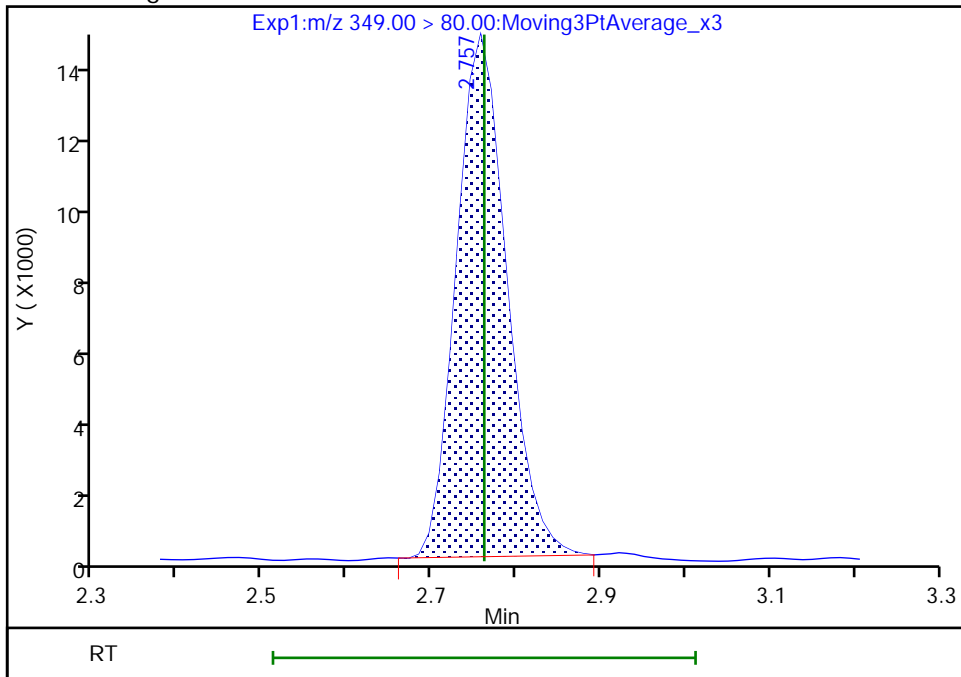
RT: 2.76
Area: 59644
Amount: 0.052502
Amount Units: ng/ml

Processing Integration Results



RT: 2.76
Area: 58374
Amount: 0.049934
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:16:48
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

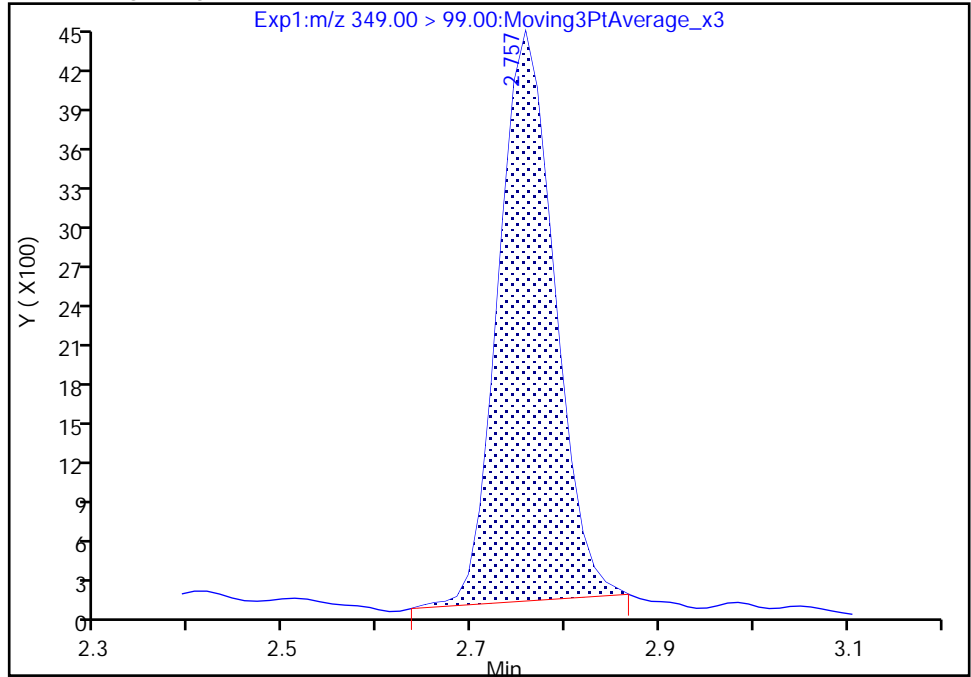
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 2

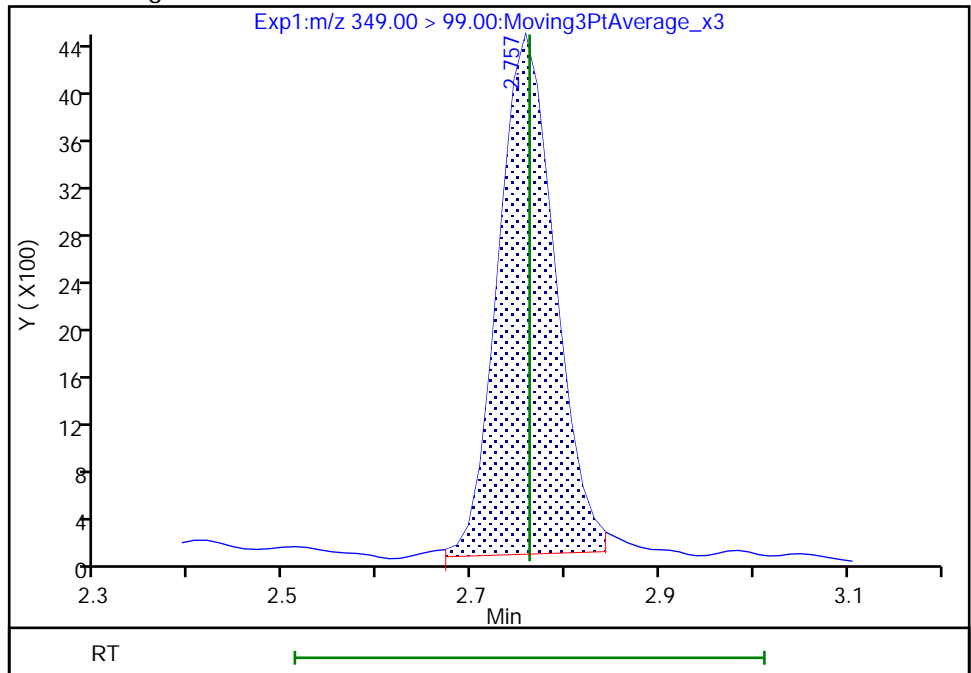
RT: 2.76
Area: 18088
Amount: 0.052502
Amount Units: ng/ml

Processing Integration Results



RT: 2.76
Area: 18394
Amount: 0.049934
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:16:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

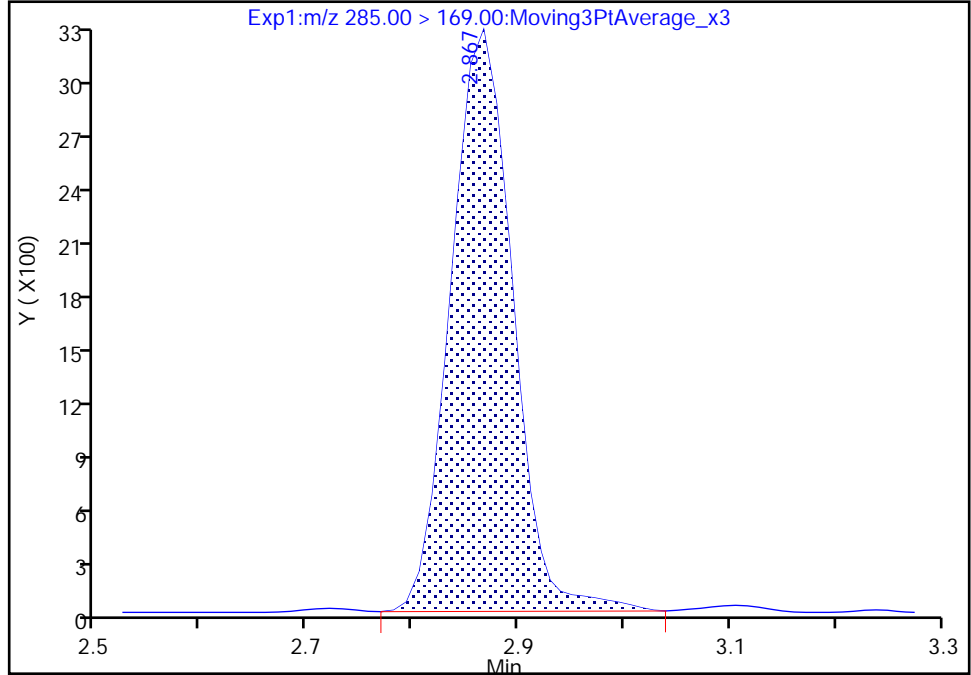
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

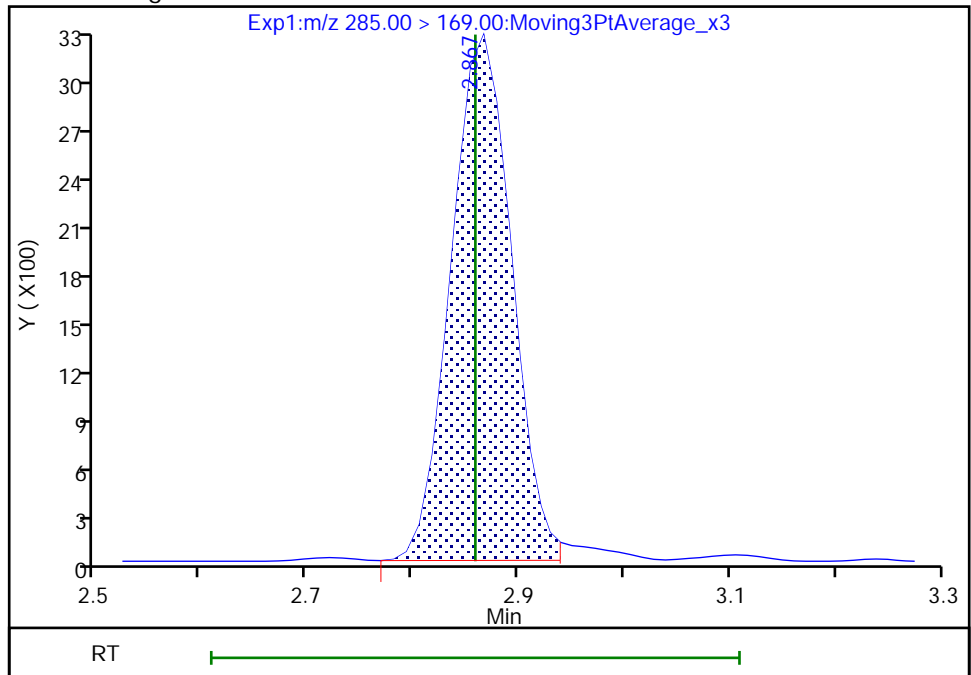
RT: 2.87
Area: 13396
Amount: 0.058297
Amount Units: ng/ml

Processing Integration Results



RT: 2.87
Area: 13087
Amount: 0.058958
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:17:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

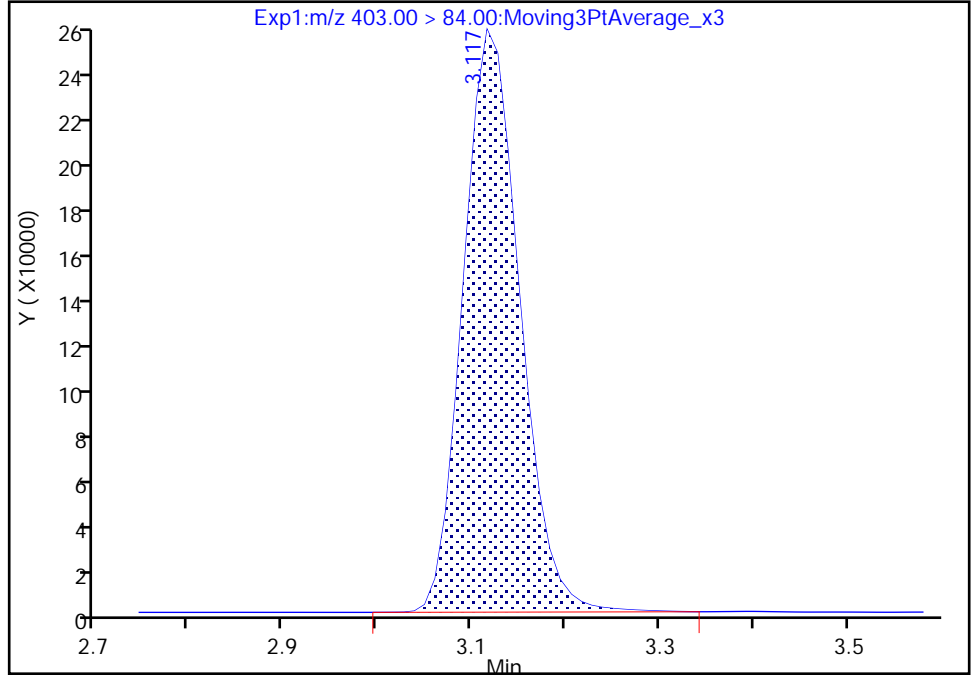
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 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 11 18O2 PFHxS, CAS: STL00994
Signal: 1

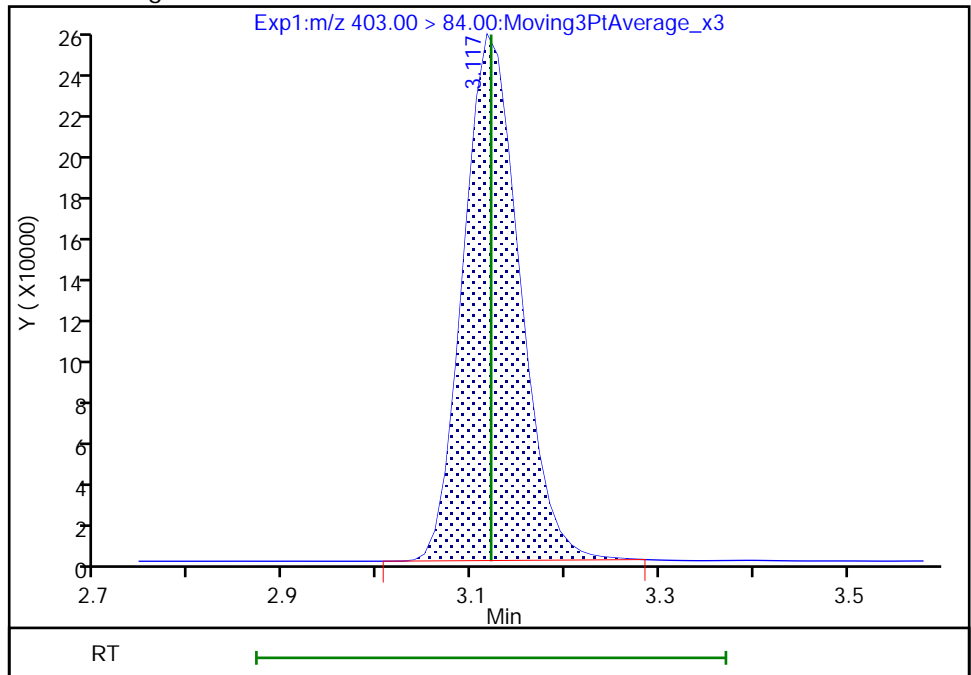
RT: 3.12
Area: 1071931
Amount: 0.971660
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 1066162
Amount: 1.187756
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:17:42
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

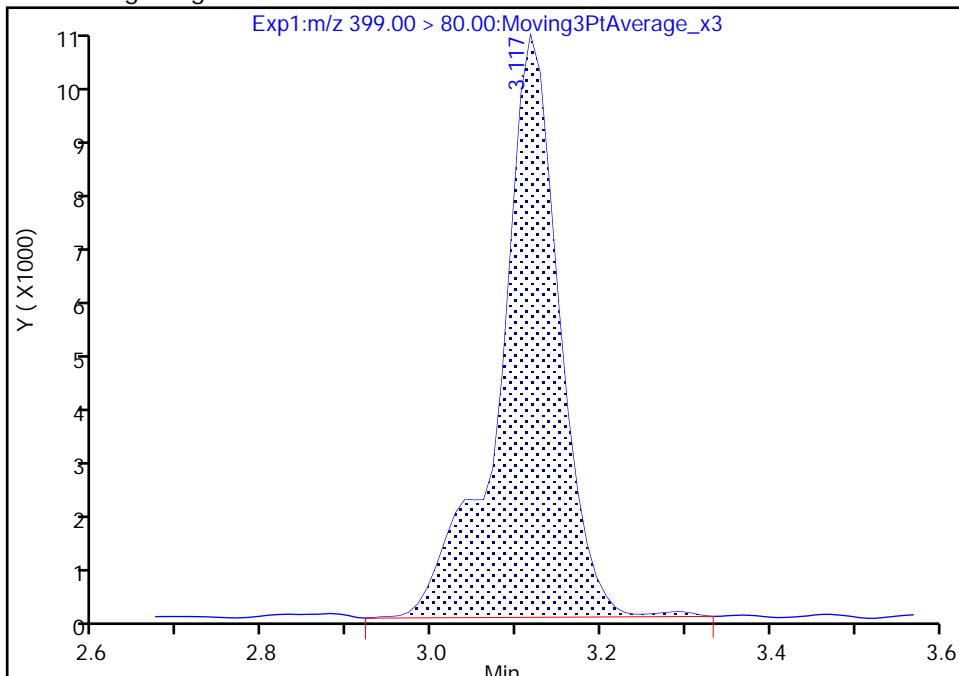
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

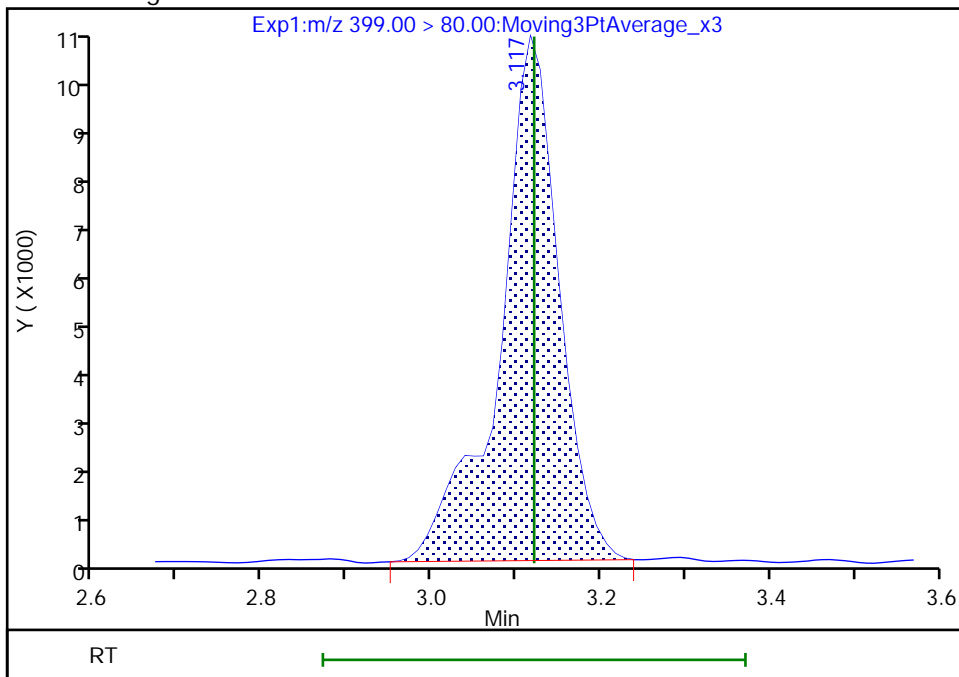
RT: 3.12
Area: 52784
Amount: 0.052258
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 51891
Amount: 0.052182
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:17:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

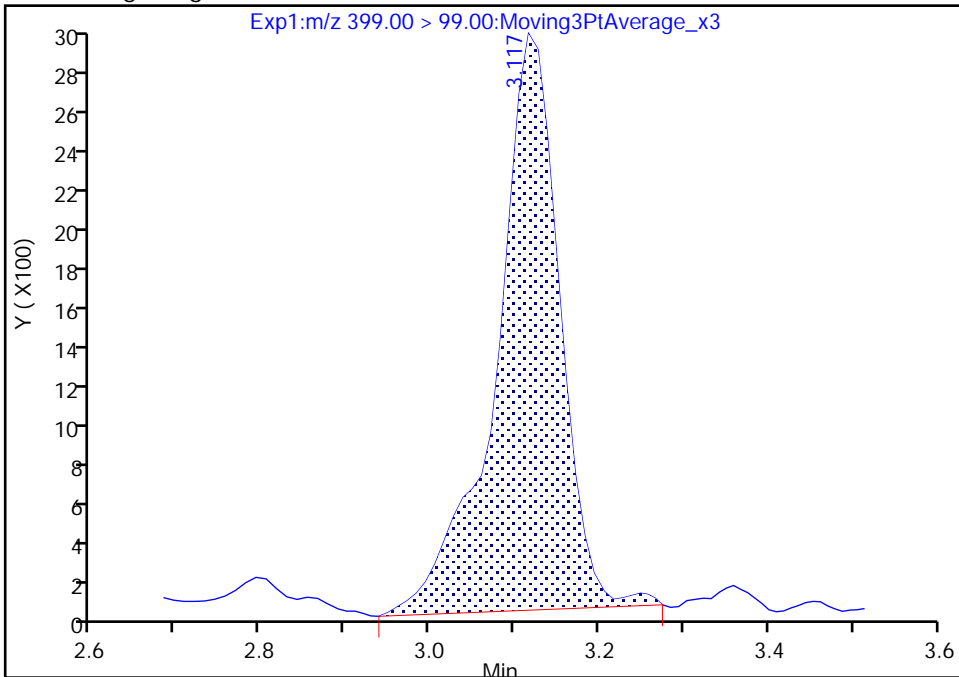
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

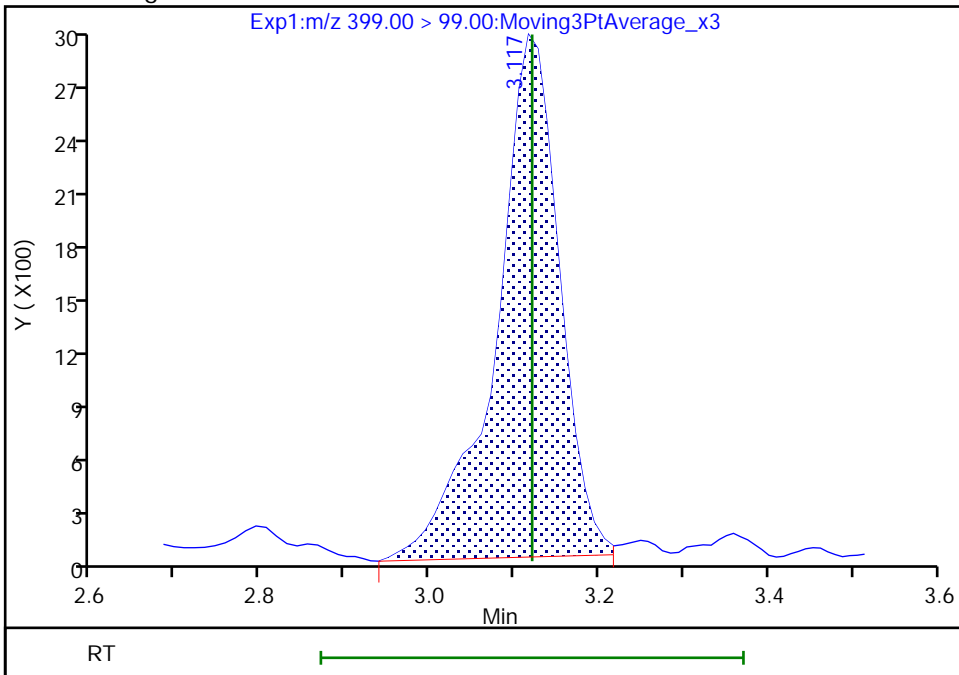
RT: 3.12
Area: 15210
Amount: 0.052258
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 15155
Amount: 0.052182
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:17:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

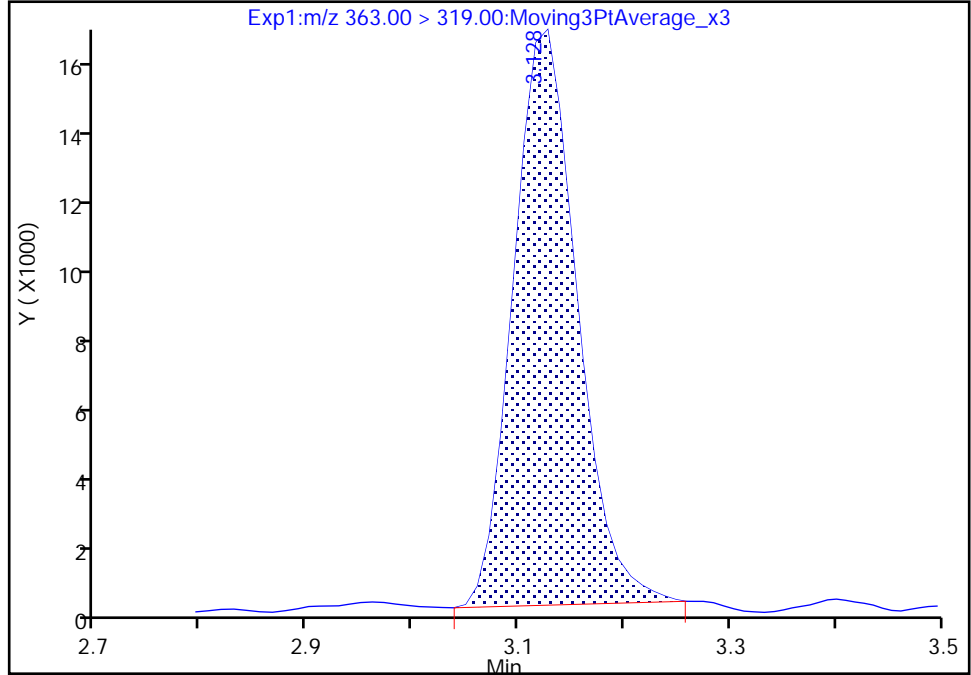
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

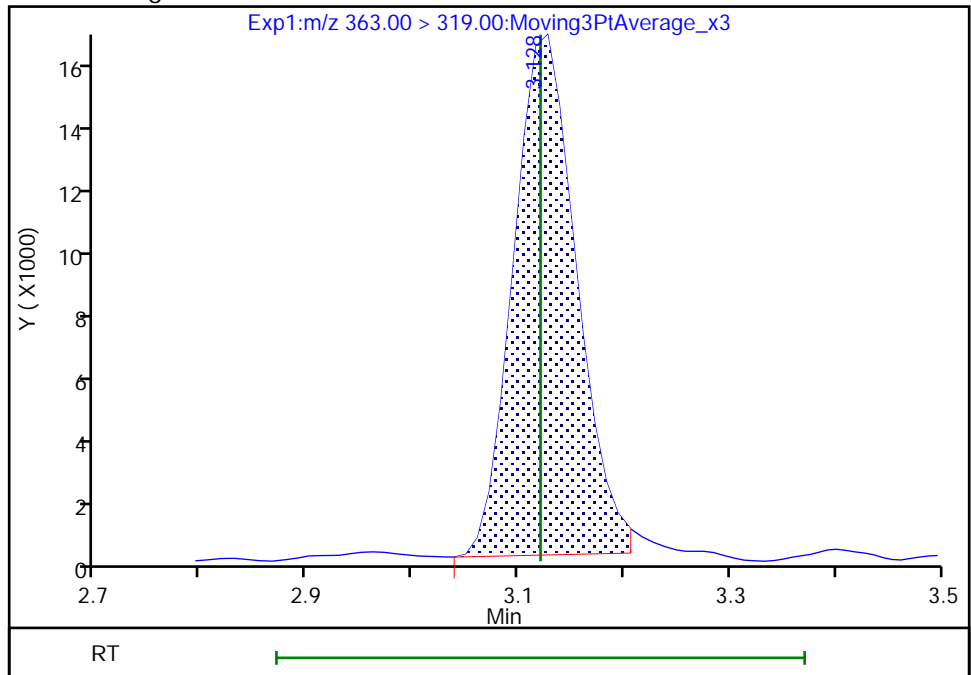
RT: 3.13
Area: 66445
Amount: 0.055781
Amount Units: ng/ml

Processing Integration Results



RT: 3.13
Area: 65633
Amount: 0.054796
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:17:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

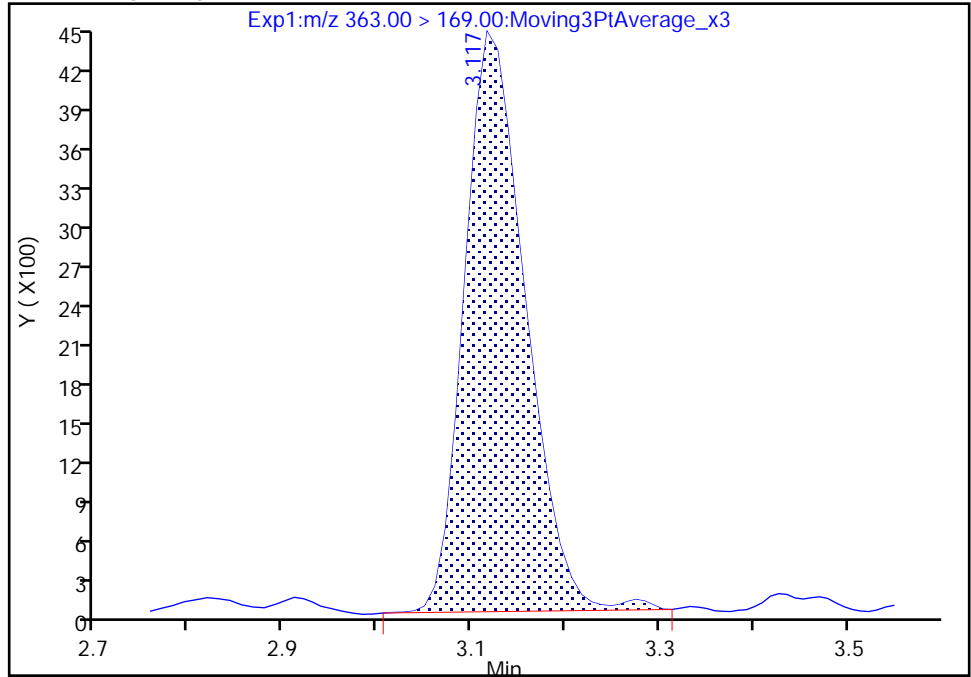
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

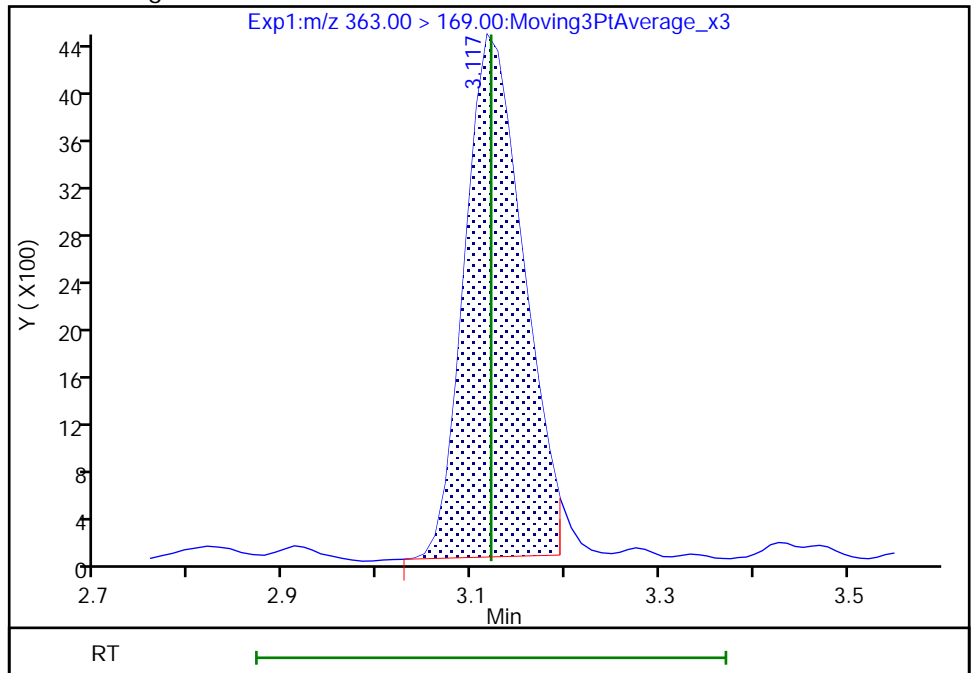
RT: 3.12
Area: 20021
Amount: 0.055781
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 19194
Amount: 0.054796
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:18:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

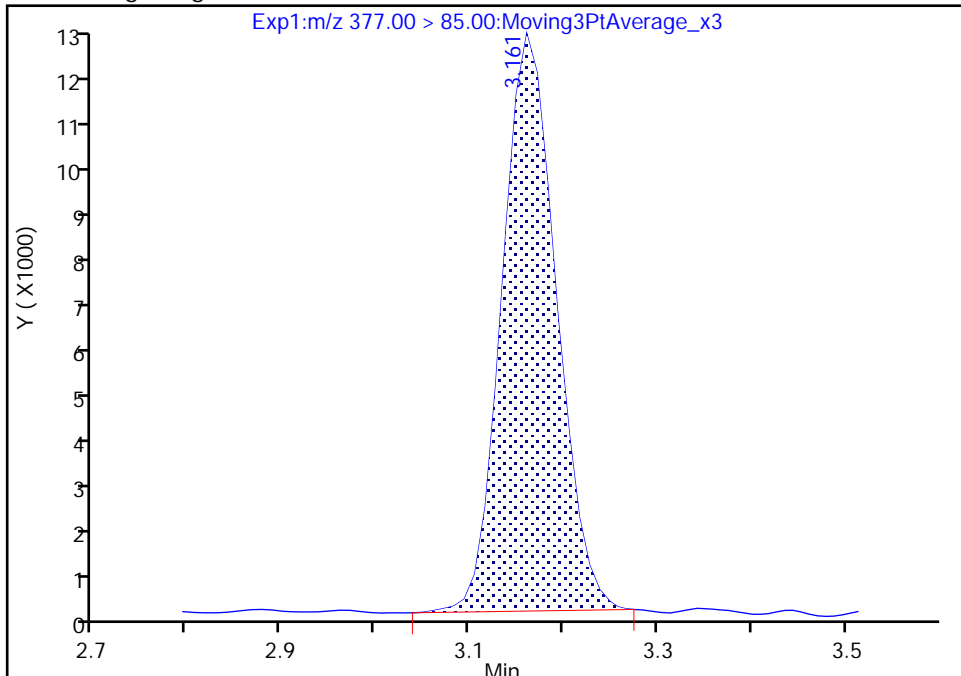
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 2

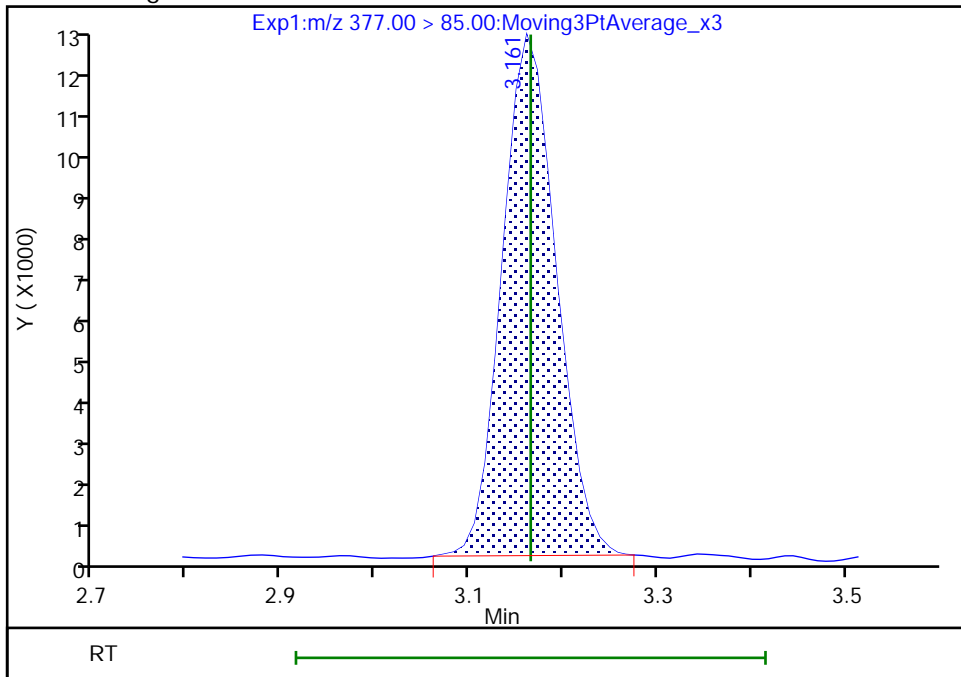
RT: 3.16
Area: 51313
Amount: 0.062728
Amount Units: ng/ml

Processing Integration Results



RT: 3.16
Area: 51045
Amount: 0.051562
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

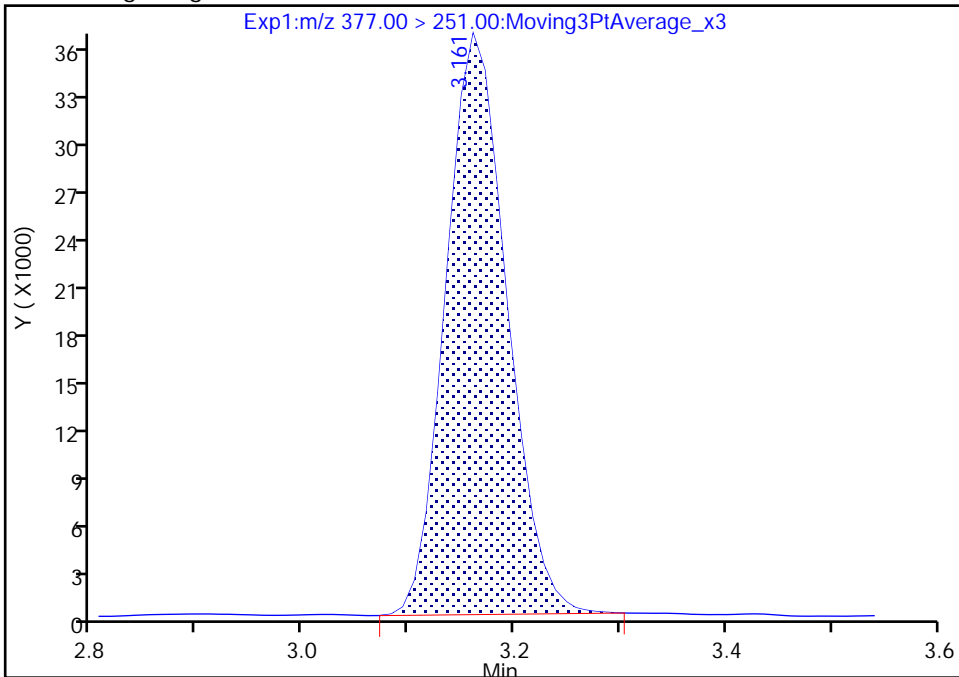
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 1

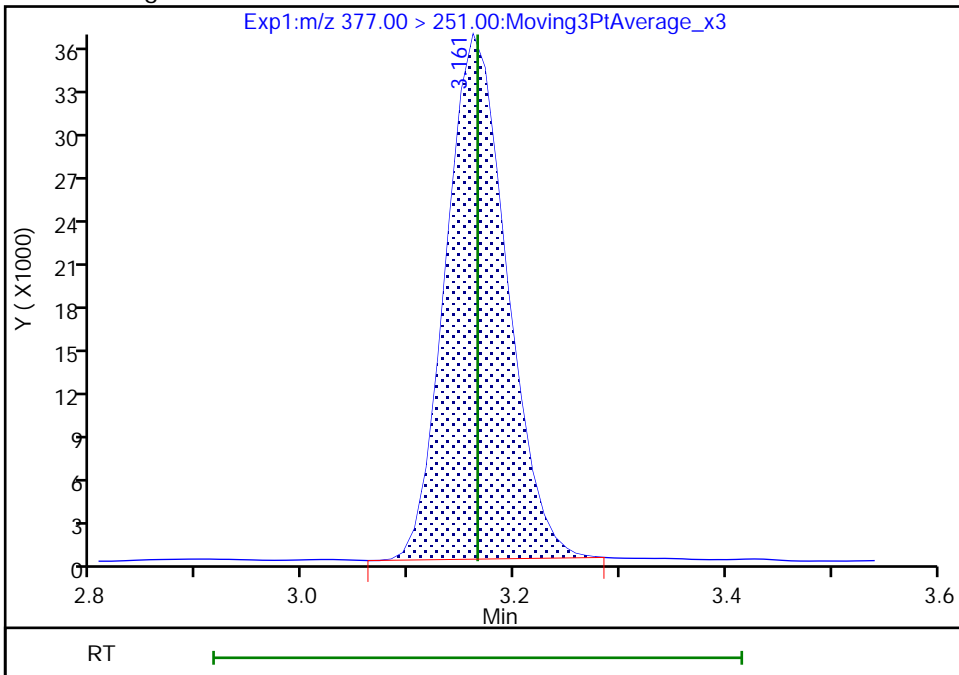
RT: 3.16
Area: 145361
Amount: 0.062728
Amount Units: ng/ml

Processing Integration Results



RT: 3.16
Area: 144834
Amount: 0.051562
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:18:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

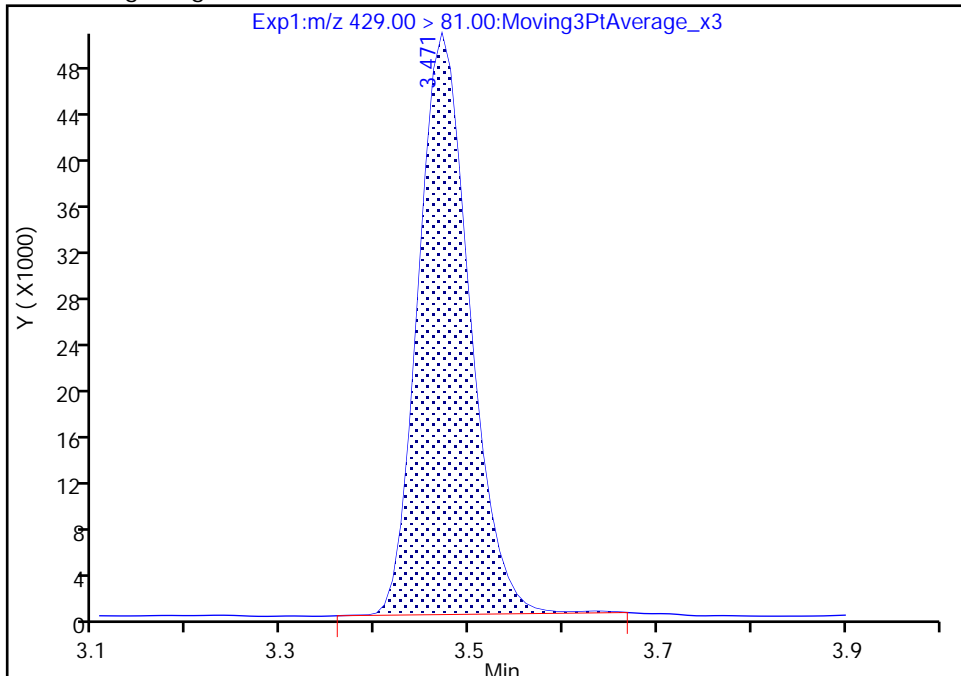
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

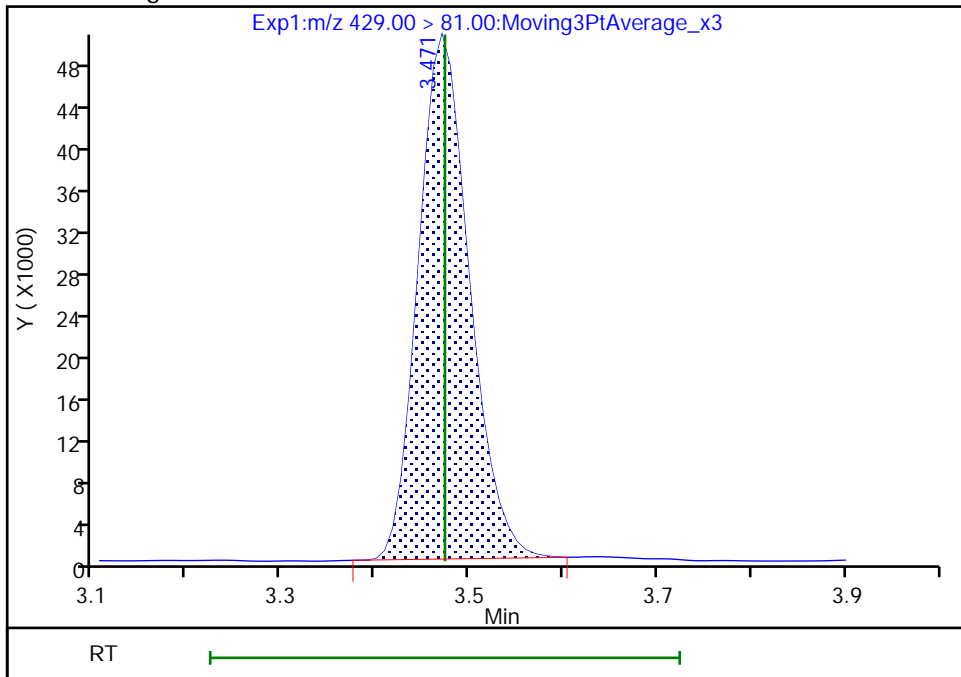
RT: 3.47
Area: 191730
Amount: 1.062165
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 190476
Amount: 1.267834
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:18:24
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

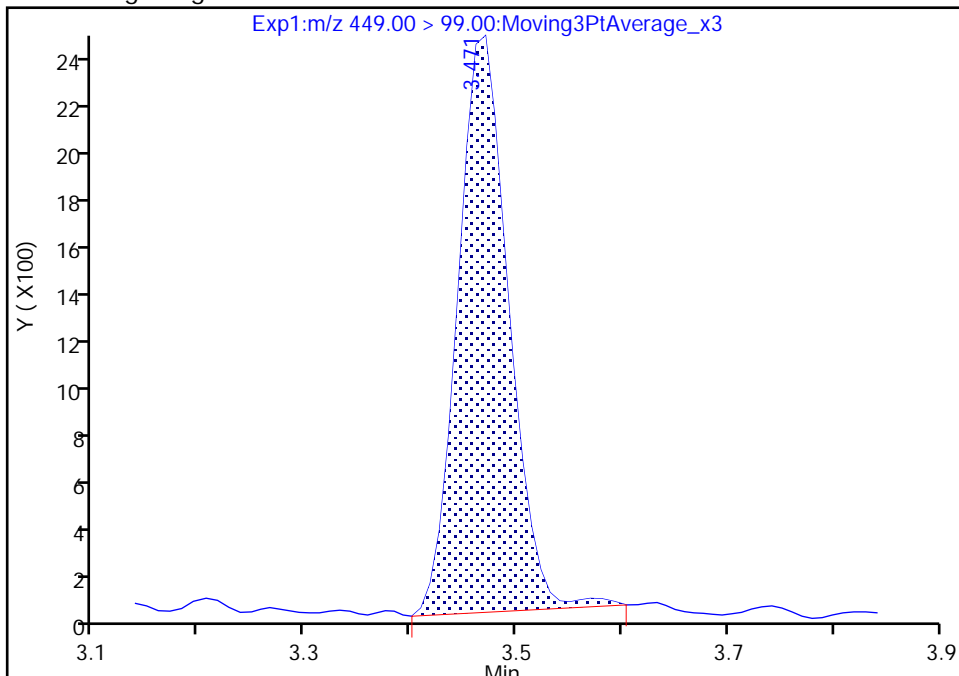
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

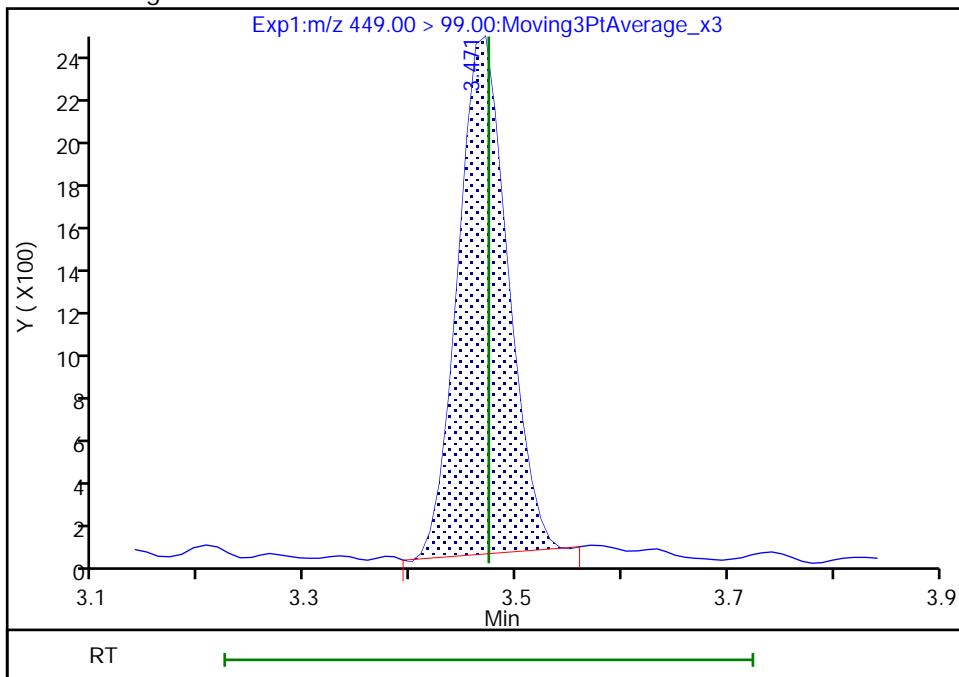
RT: 3.47
Area: 8022
Amount: 0.054097
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 7774
Amount: 0.053661
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:18:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

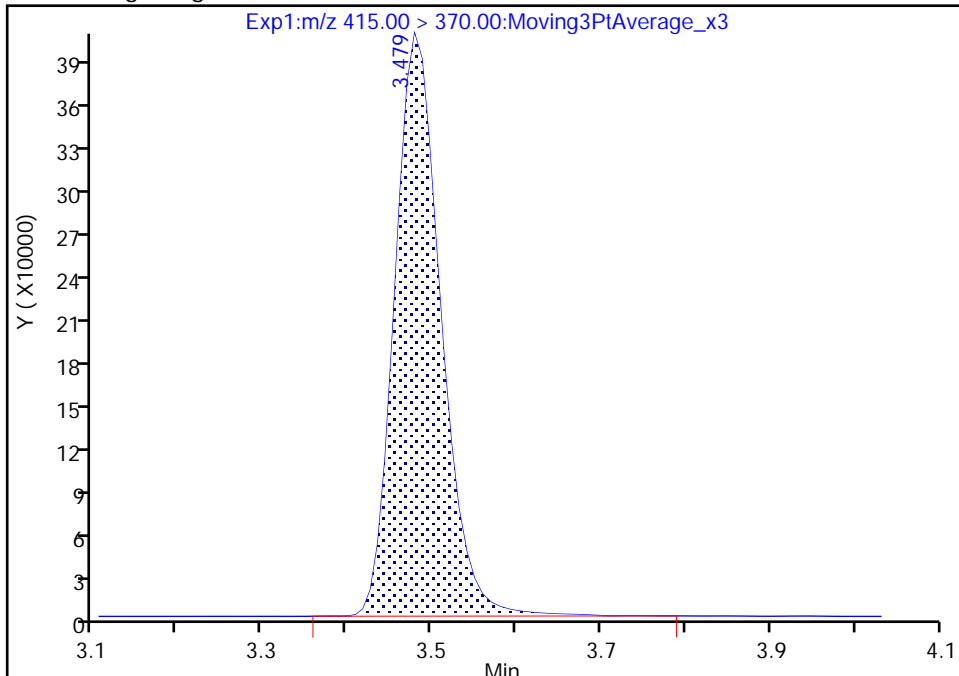
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

* 62 13C2 PFOA, CAS: STL00623

Signal: 1

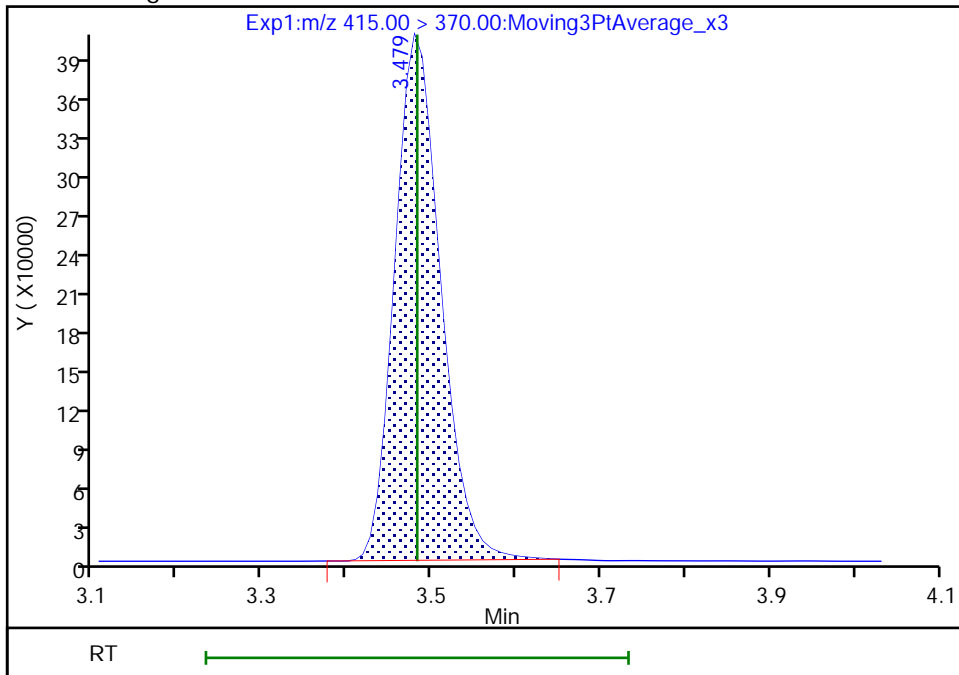
RT: 3.48
Area: 1550787
Amount: 1.250000
Amount Units: ng/ml

Processing Integration Results



RT: 3.48
Area: 1535975
Amount: 1.250000
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:18:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

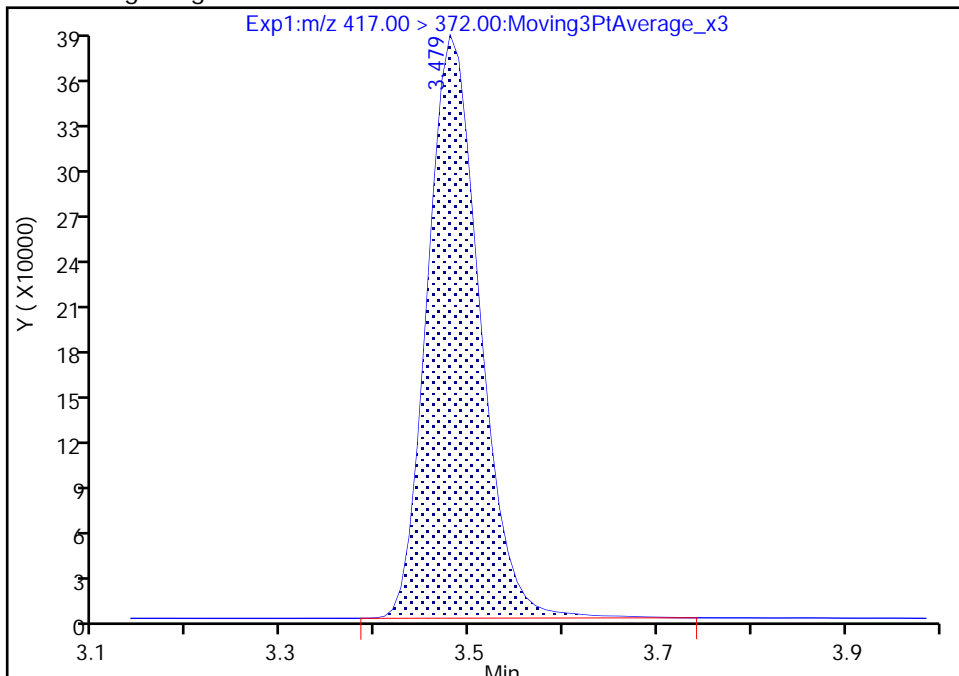
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

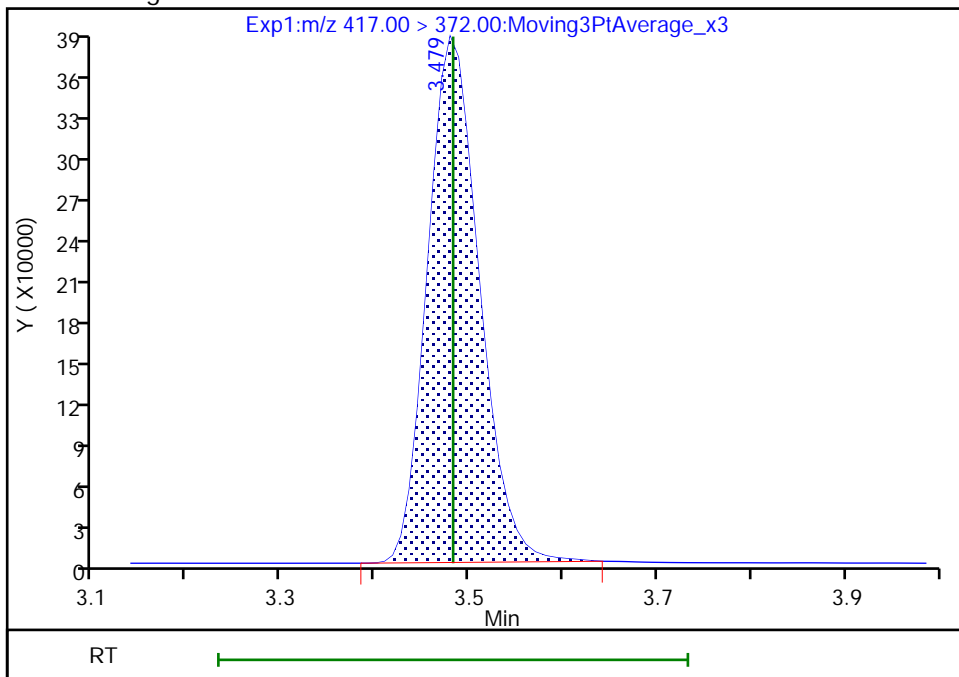
RT: 3.48
Area: 1496323
Amount: 1.297310
Amount Units: ng/ml

Processing Integration Results



RT: 3.48
Area: 1484438
Amount: 1.268263
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:18:48
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

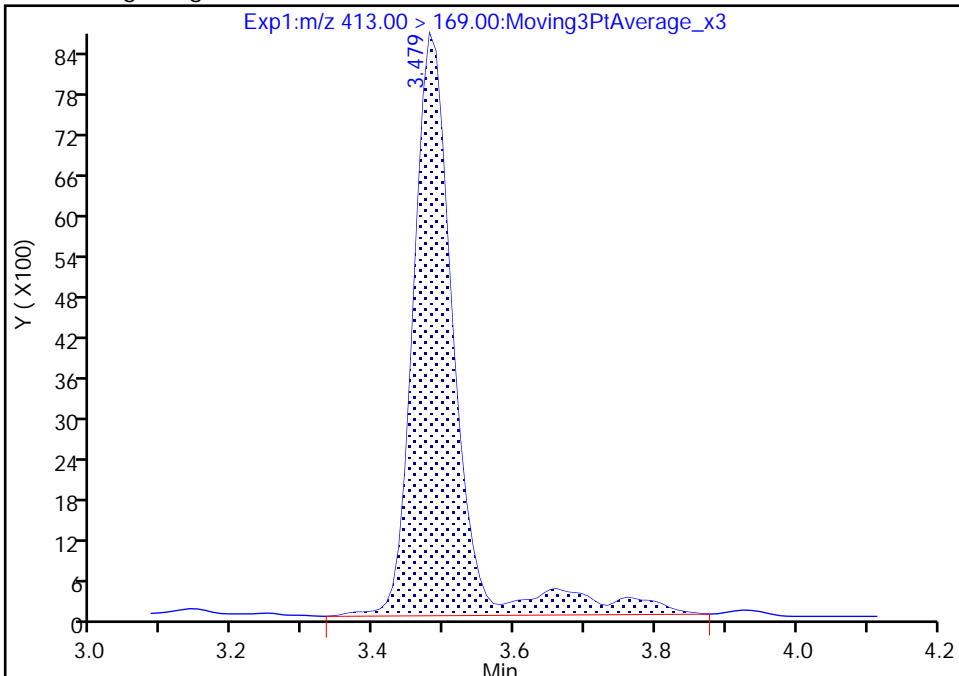
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

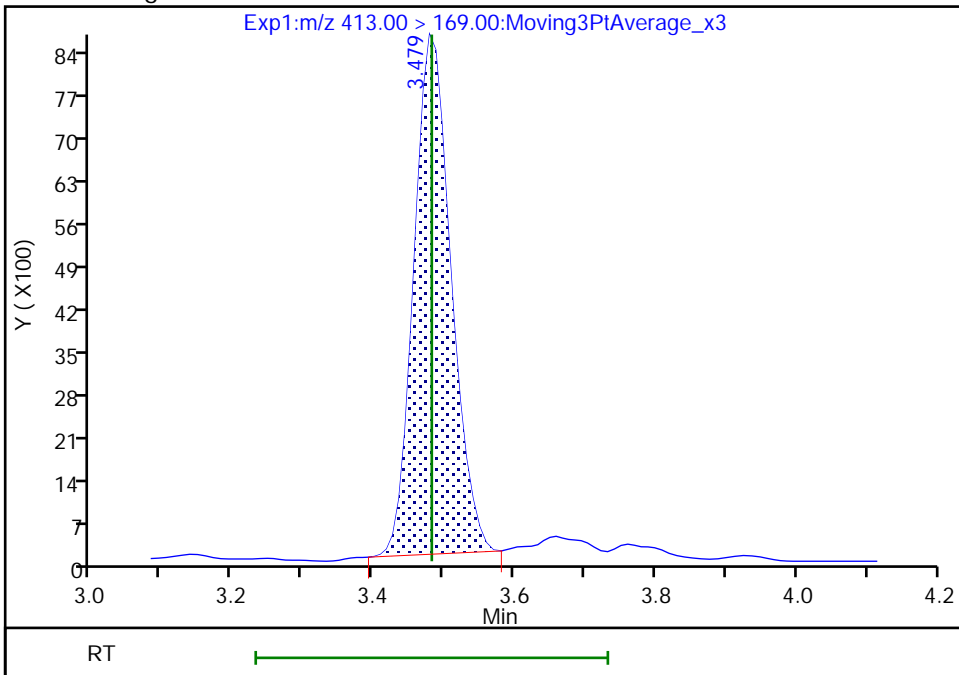
RT: 3.48
Area: 35958
Amount: 0.057122
Amount Units: ng/ml

Processing Integration Results



RT: 3.48
Area: 31052
Amount: 0.058456
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:19:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

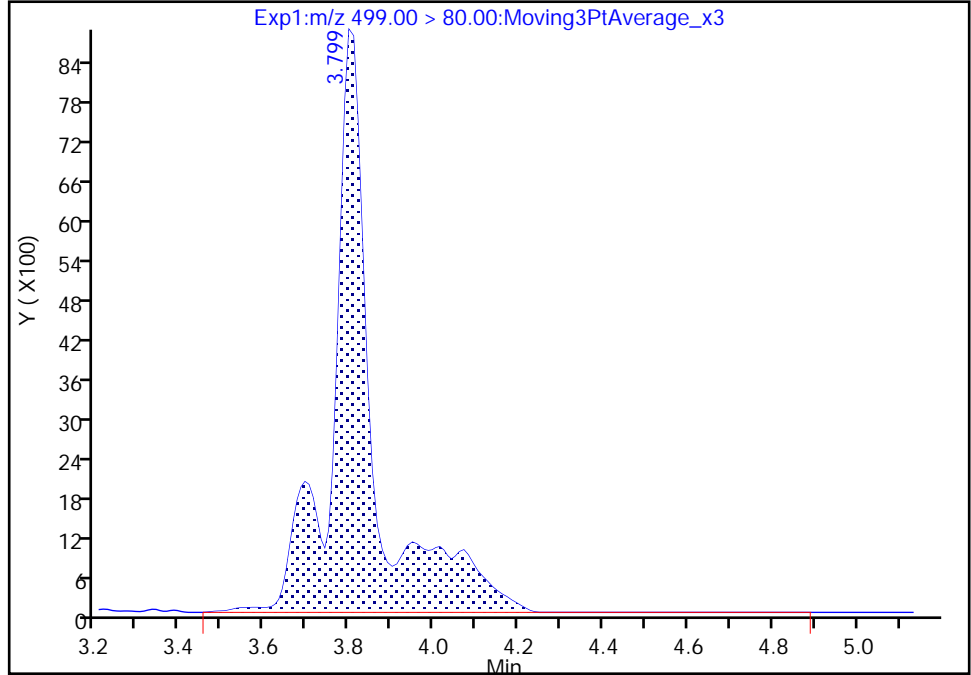
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

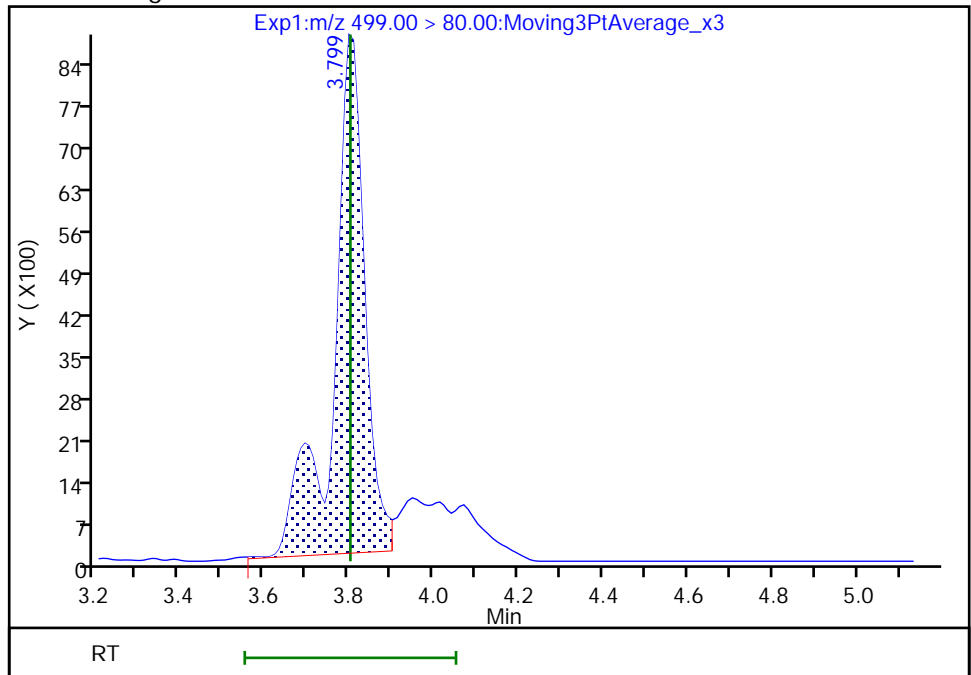
RT: 3.80
Area: 59914
Amount: 0.073920
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 44505
Amount: 0.047116
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:20:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

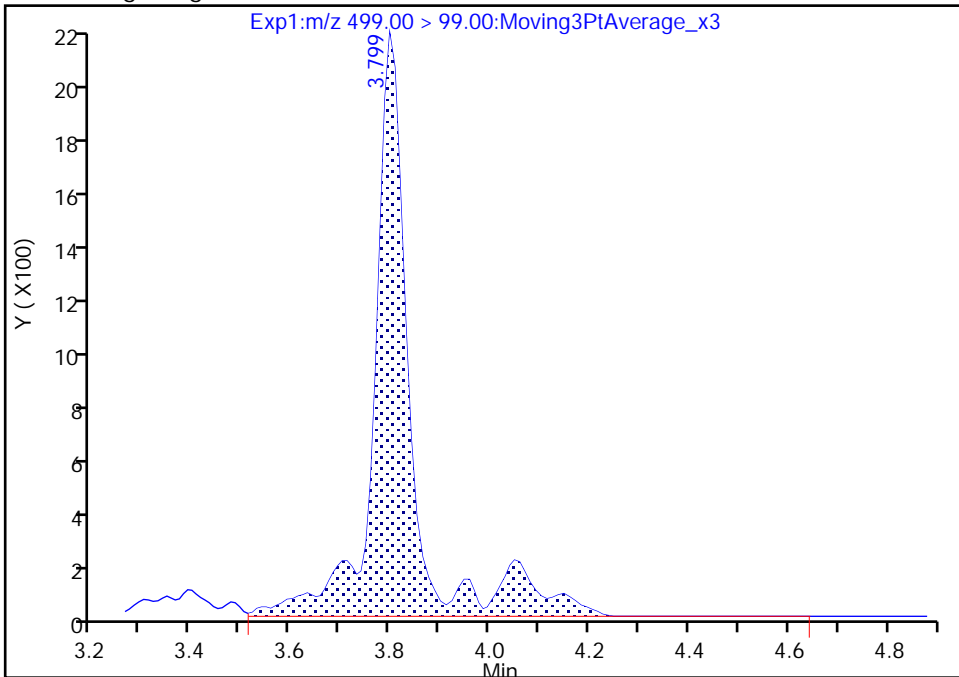
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

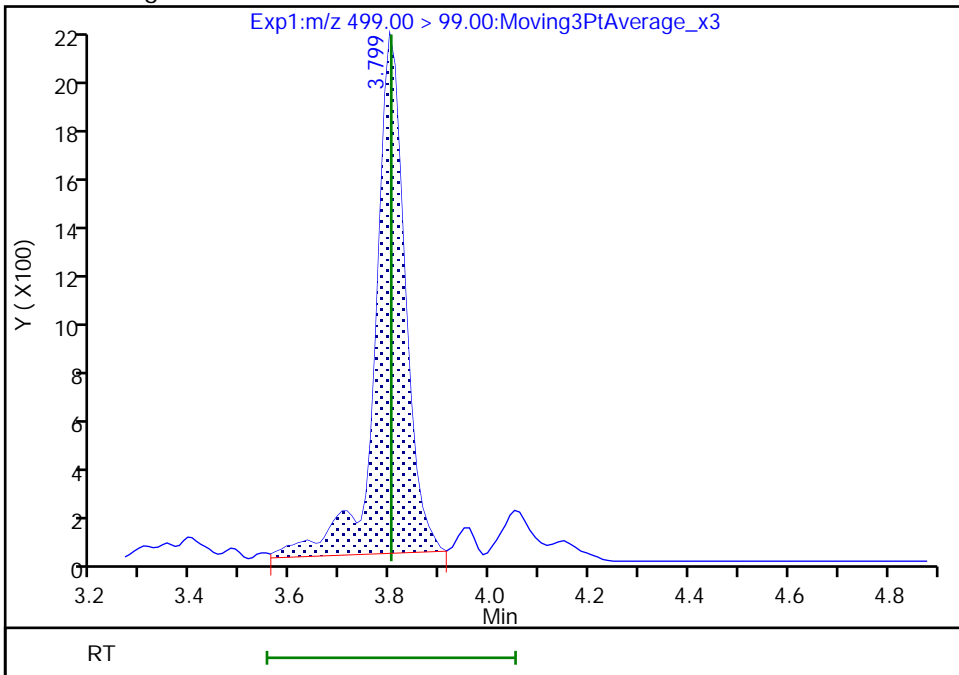
RT: 3.80
Area: 10980
Amount: 0.073920
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 8724
Amount: 0.047116
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:20:23

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

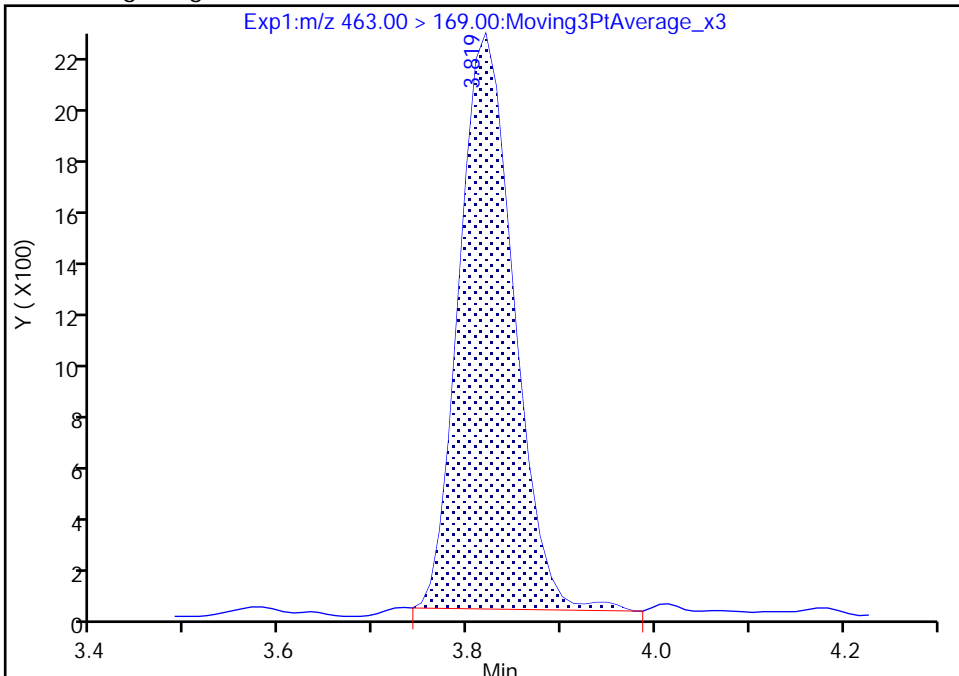
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

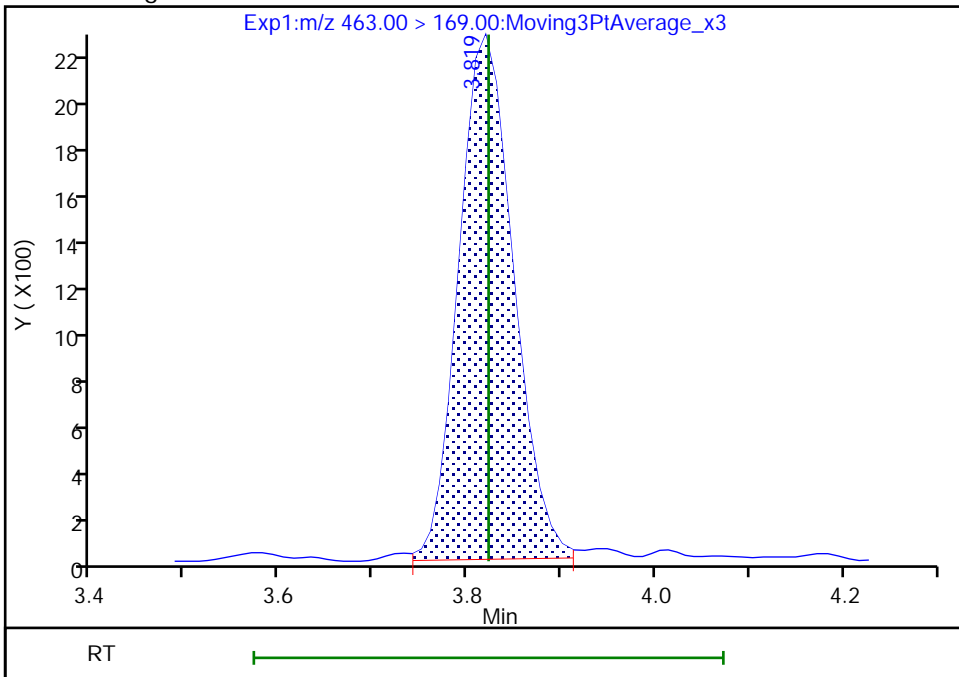
RT: 3.82
Area: 8844
Amount: 0.058249
Amount Units: ng/ml

Processing Integration Results



RT: 3.82
Area: 8957
Amount: 0.056246
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:20:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

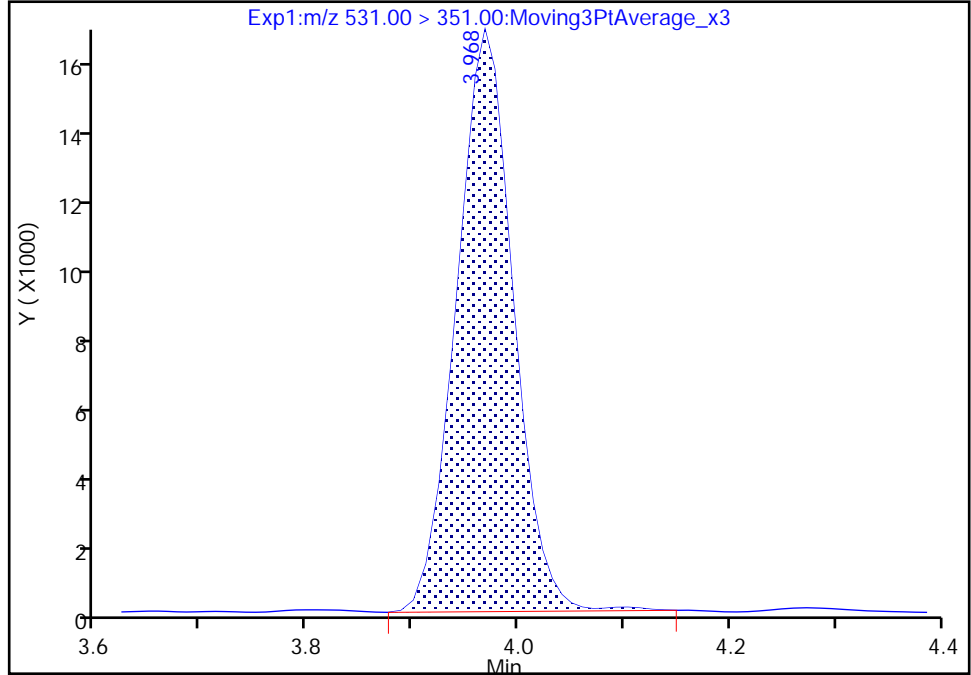
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

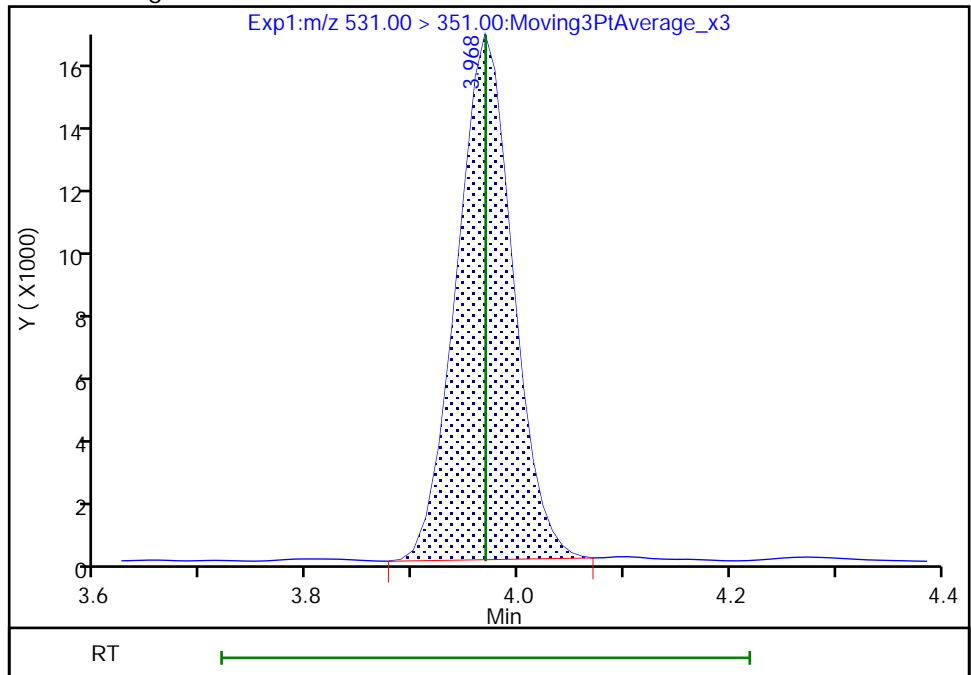
RT: 3.97
Area: 60050
Amount: 0.049170
Amount Units: ng/ml

Processing Integration Results



RT: 3.97
Area: 59438
Amount: 0.049337
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:20:44
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

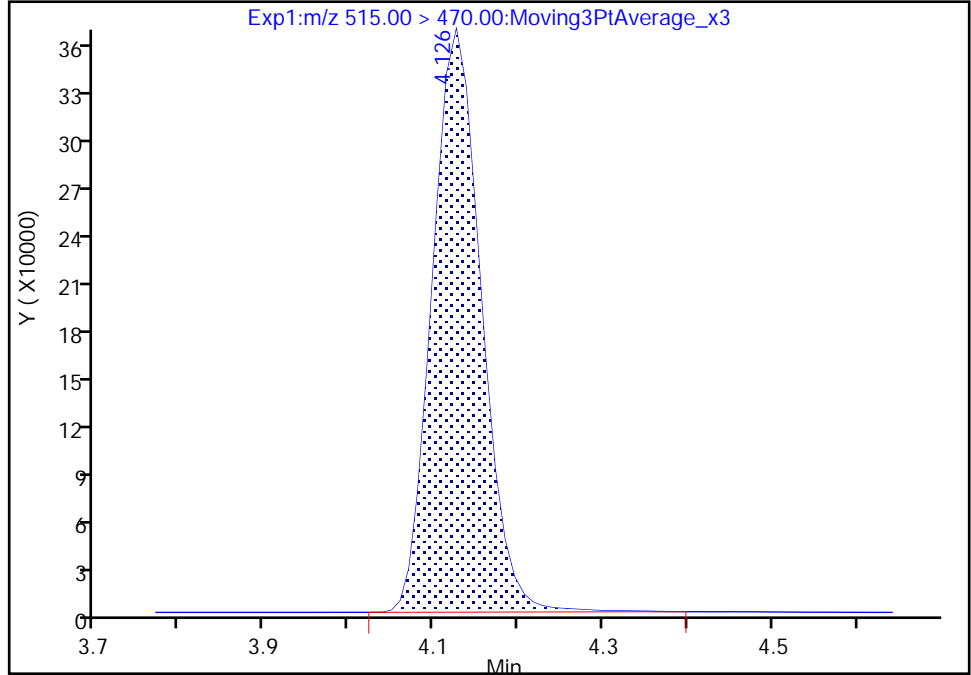
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 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 23 13C2 PFDA, CAS: STL00996
Signal: 1

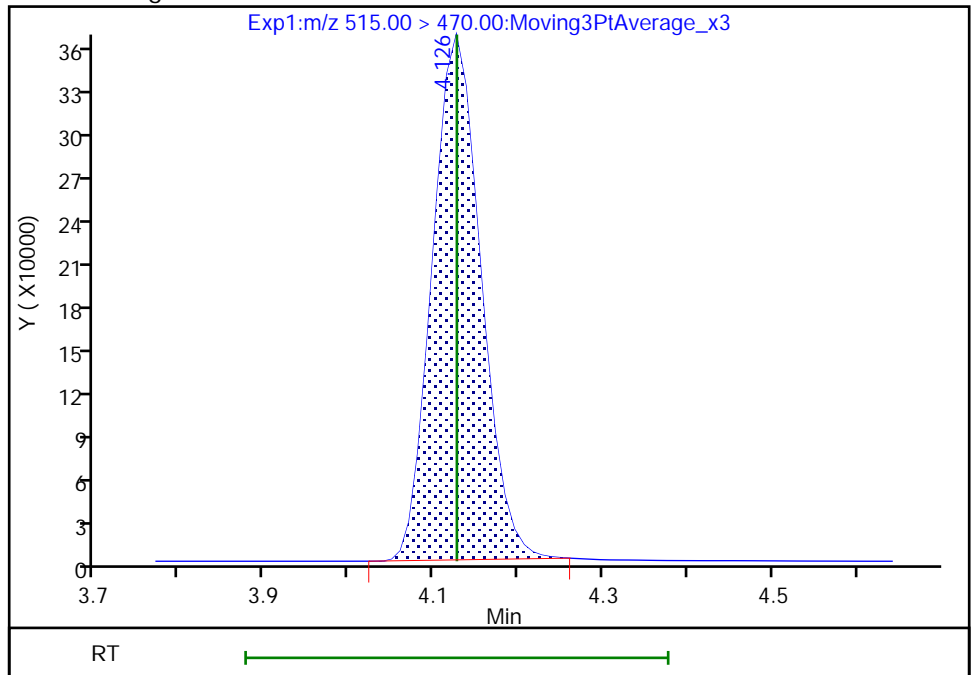
RT: 4.13
Area: 1490768
Amount: 1.239251
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 1472294
Amount: 1.244951
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:20:52
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

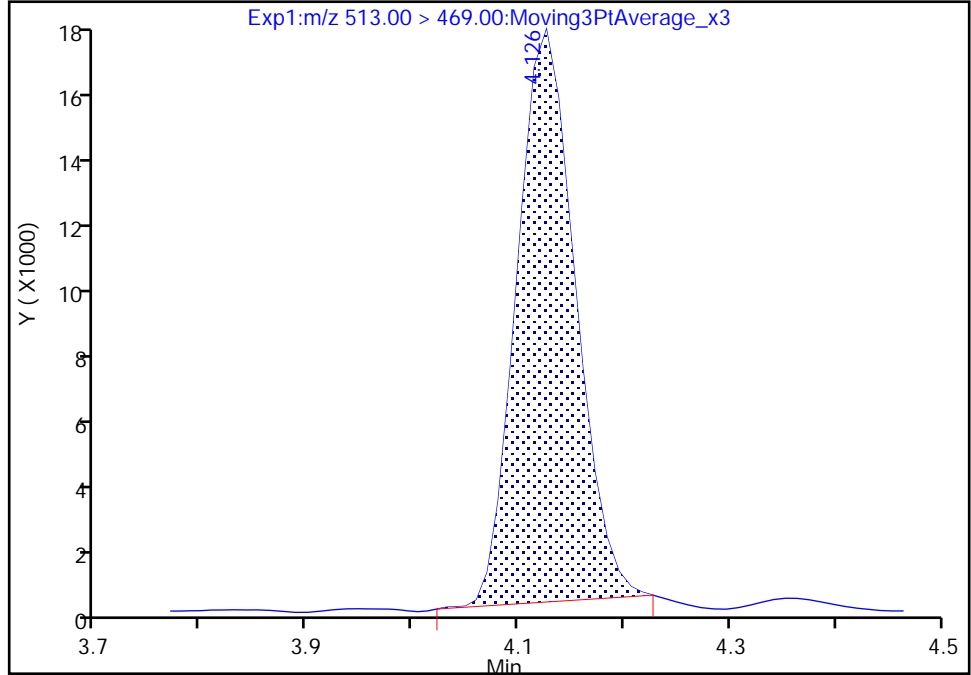
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

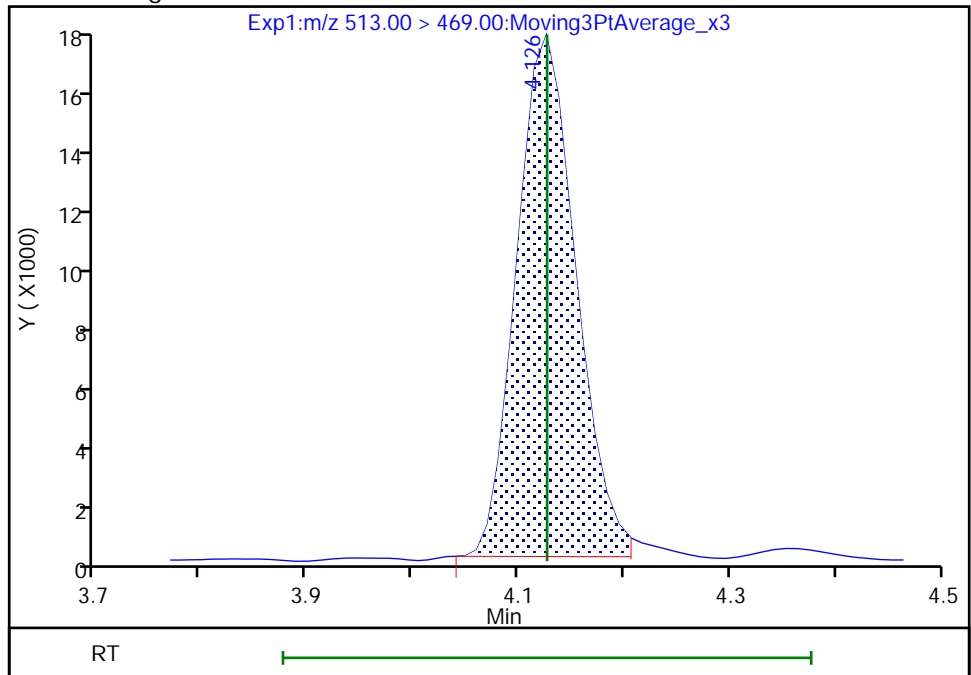
RT: 4.13
Area: 65117
Amount: 0.051710
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 66374
Amount: 0.053582
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:21:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

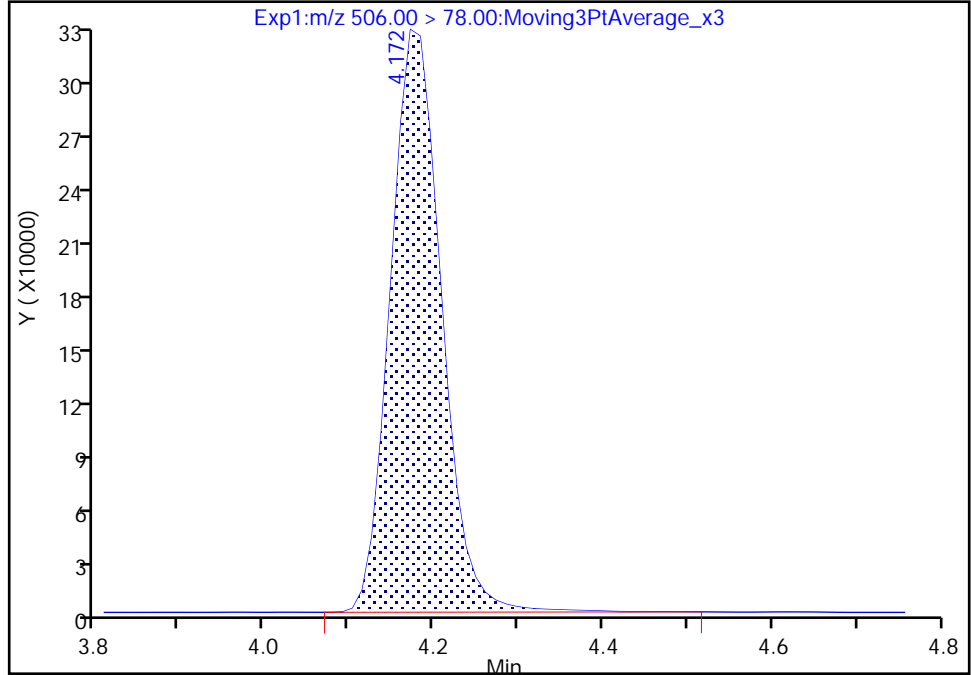
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 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 21 13C8 FOSA, CAS: STL01056
Signal: 1

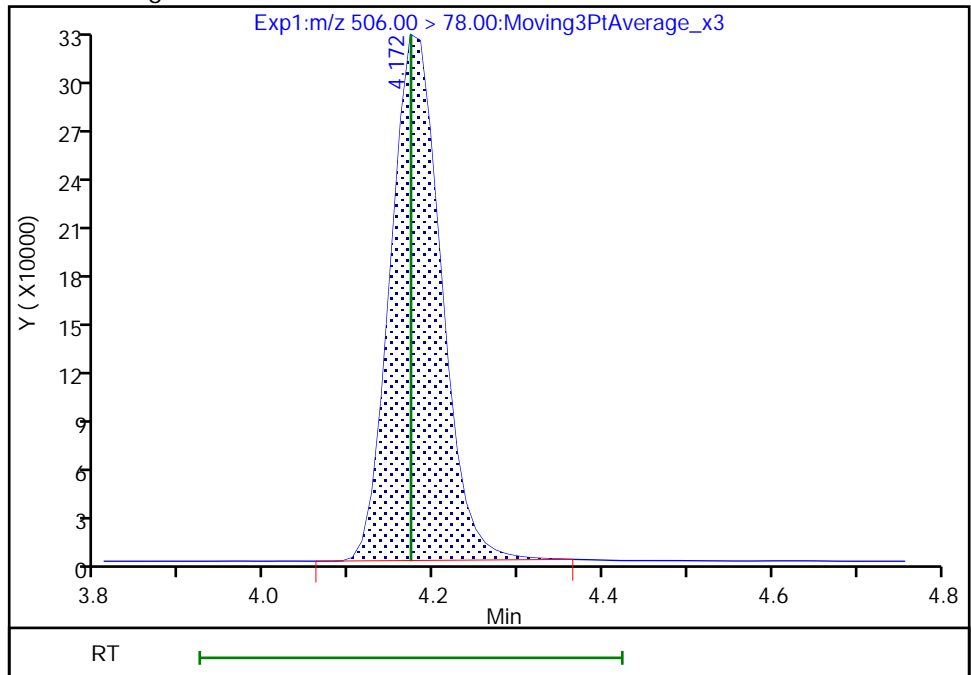
RT: 4.17
Area: 1362466
Amount: 1.053505
Amount Units: ng/ml

Processing Integration Results



RT: 4.17
Area: 1351035
Amount: 1.305284
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:21:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

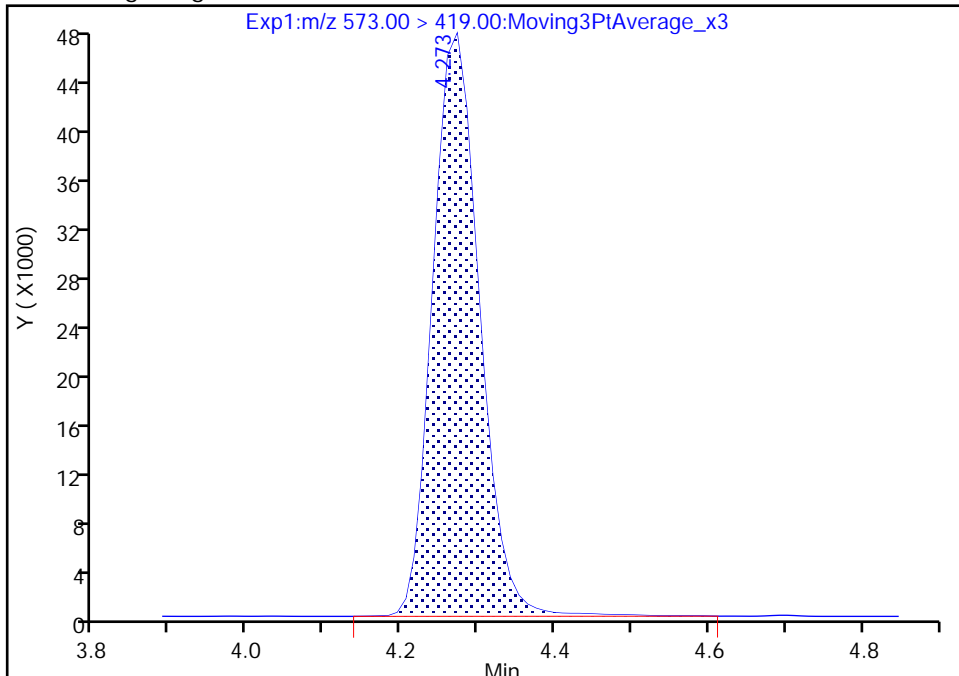
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

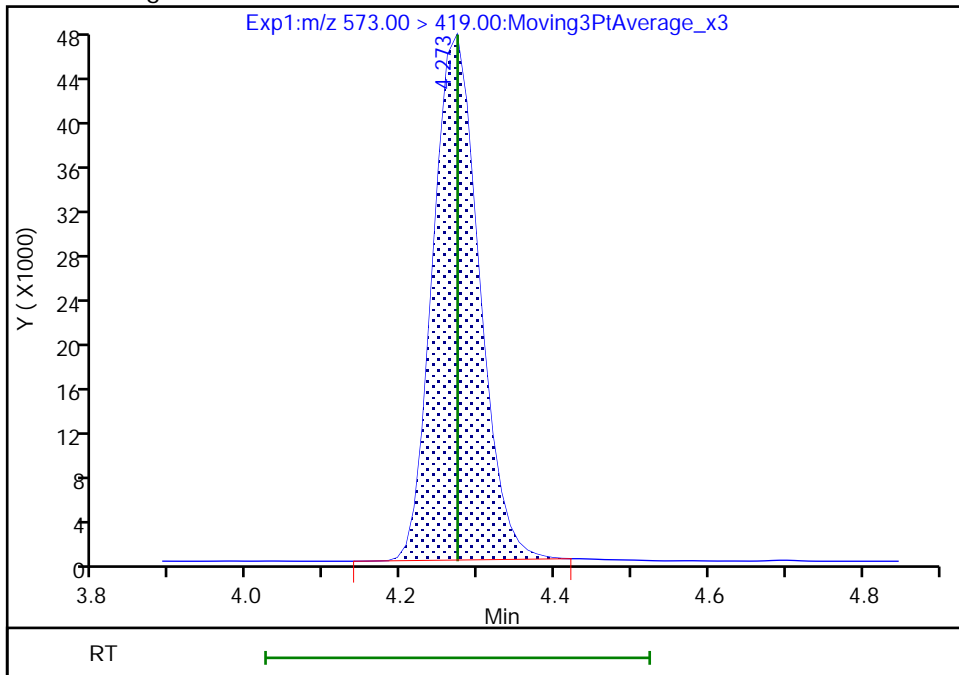
RT: 4.27
Area: 201995
Amount: 1.249595
Amount Units: ng/ml

Processing Integration Results



RT: 4.27
Area: 199141
Amount: 1.256352
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:21:18
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

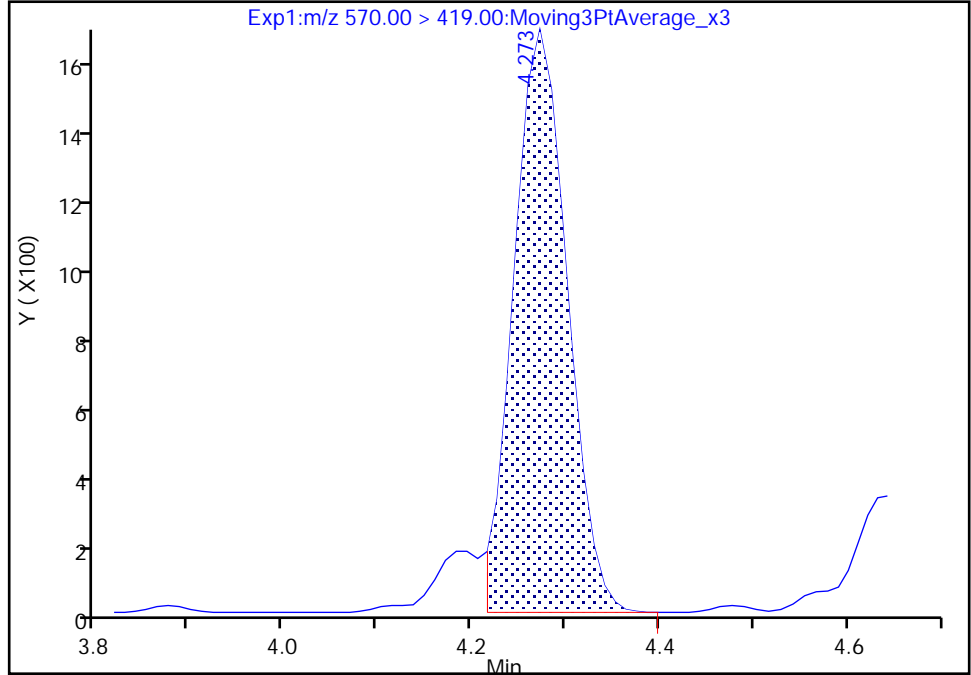
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

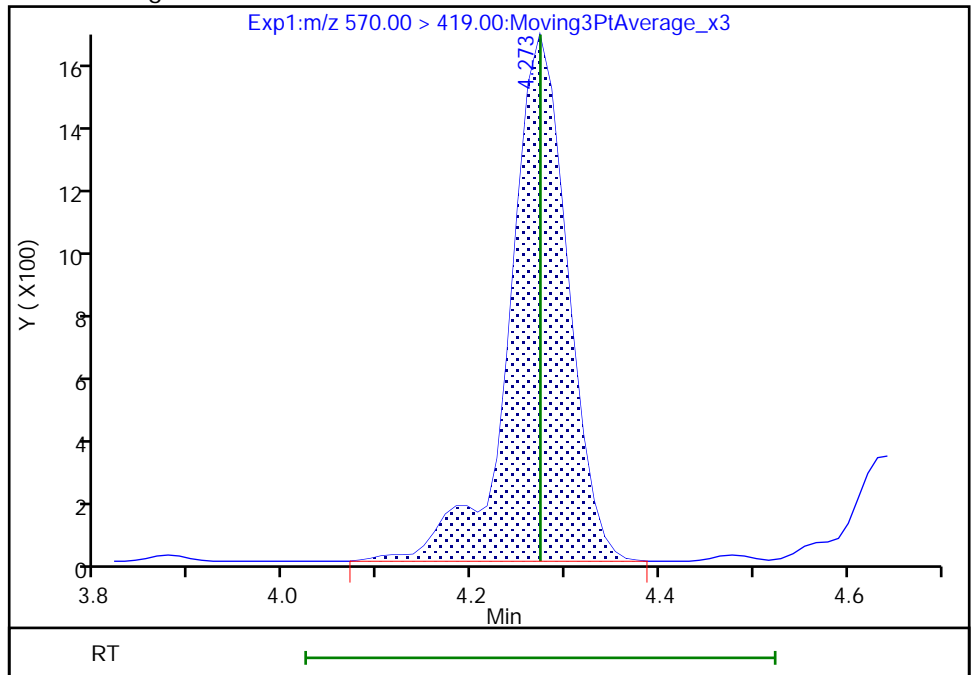
RT: 4.27
Area: 6352
Amount: 0.045097
Amount Units: ng/ml

Processing Integration Results



RT: 4.27
Area: 6986
Amount: 0.049375
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:21:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

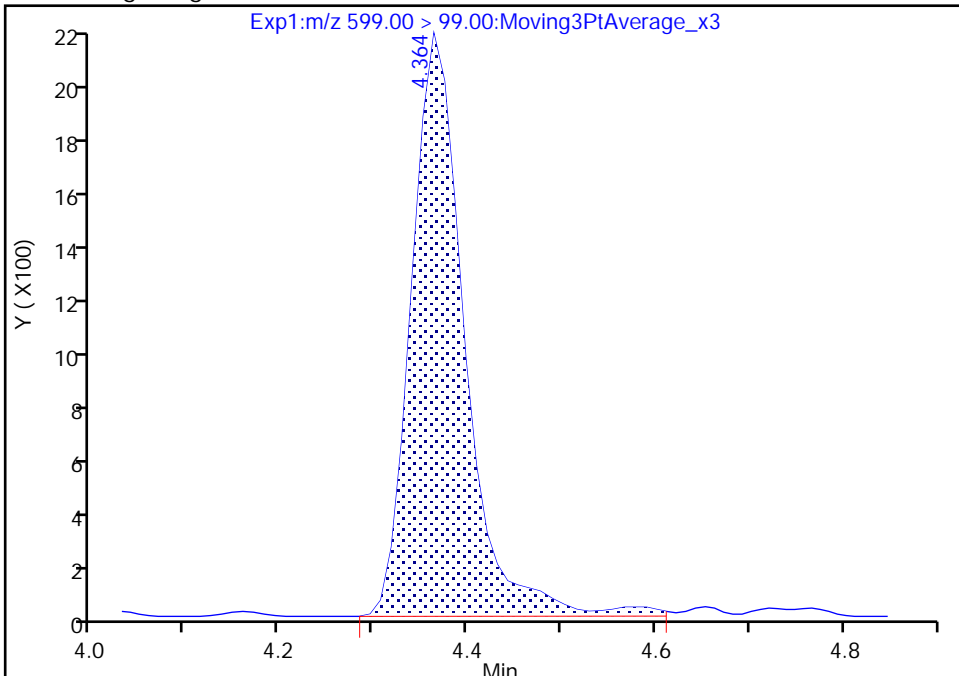
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

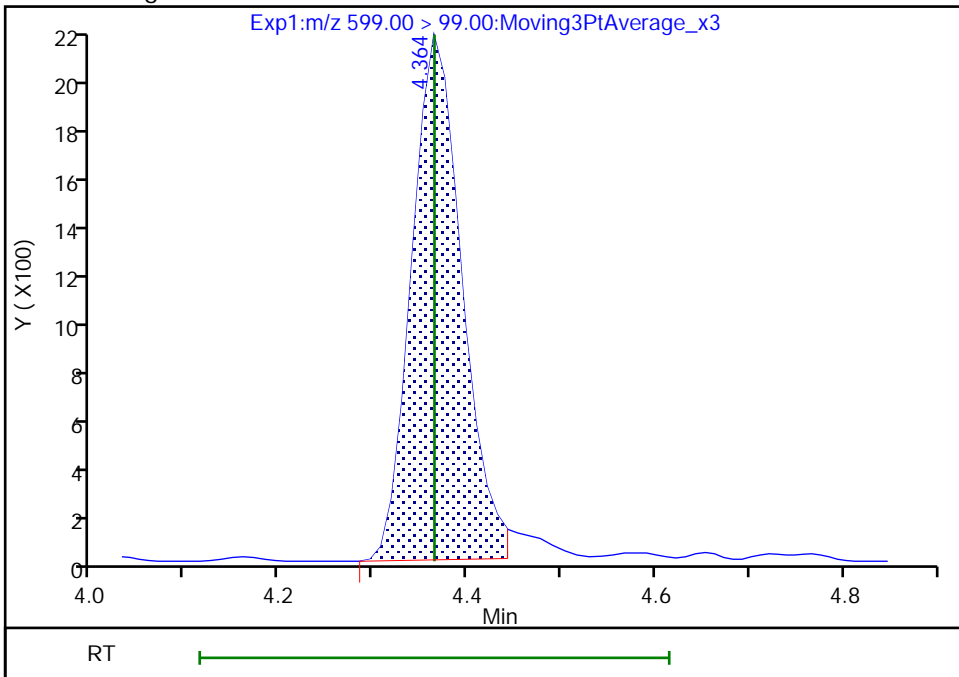
RT: 4.36
Area: 8338
Amount: 0.044558
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 7794
Amount: 0.046559
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:21:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

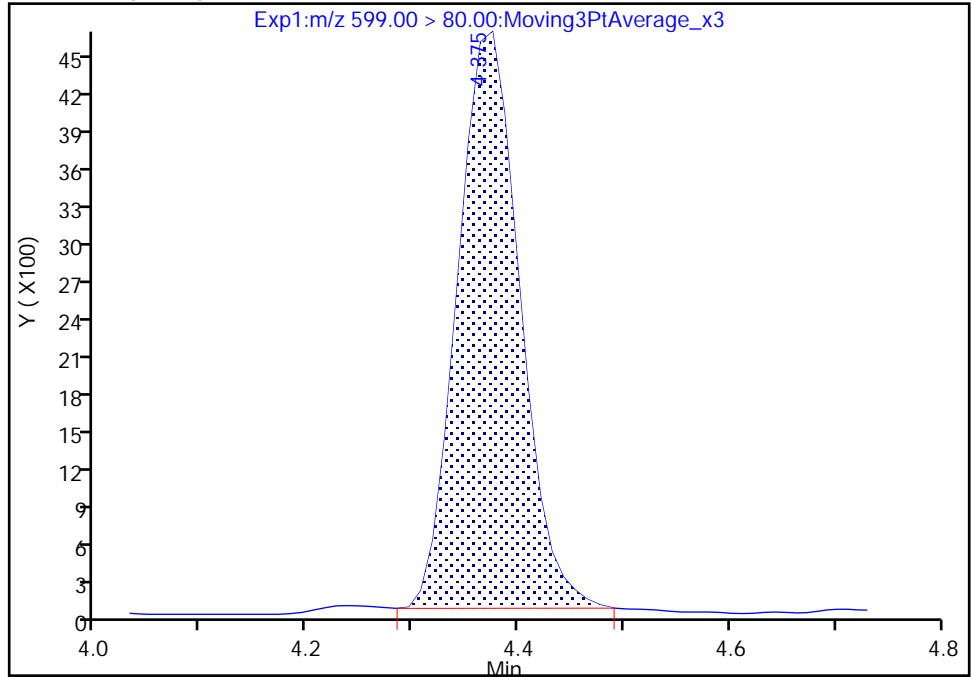
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

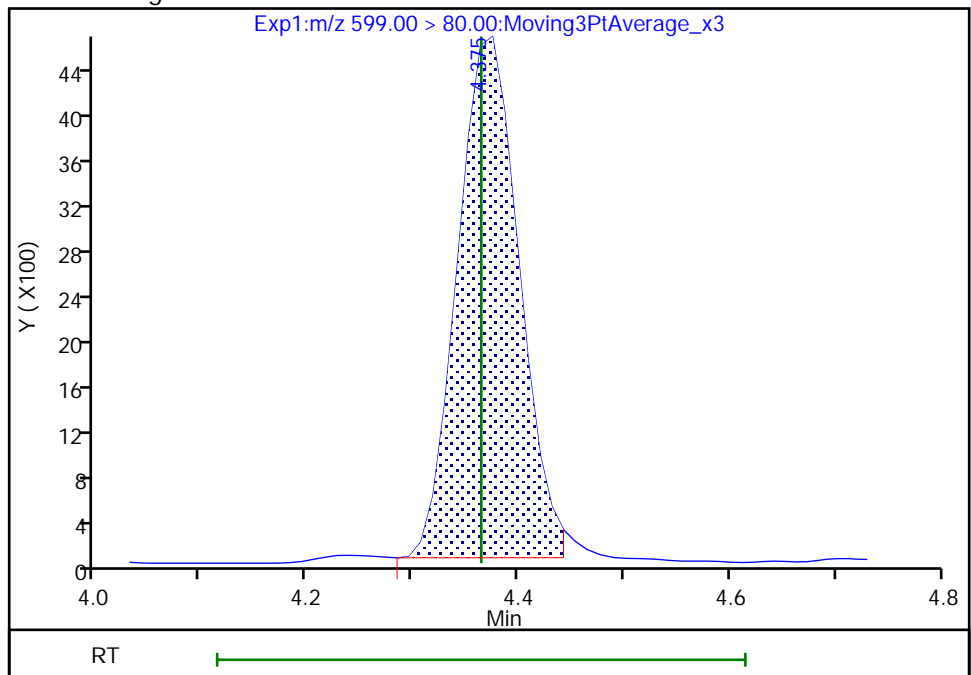
RT: 4.38
Area: 18747
Amount: 0.044558
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 18501
Amount: 0.046559
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:21:54

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

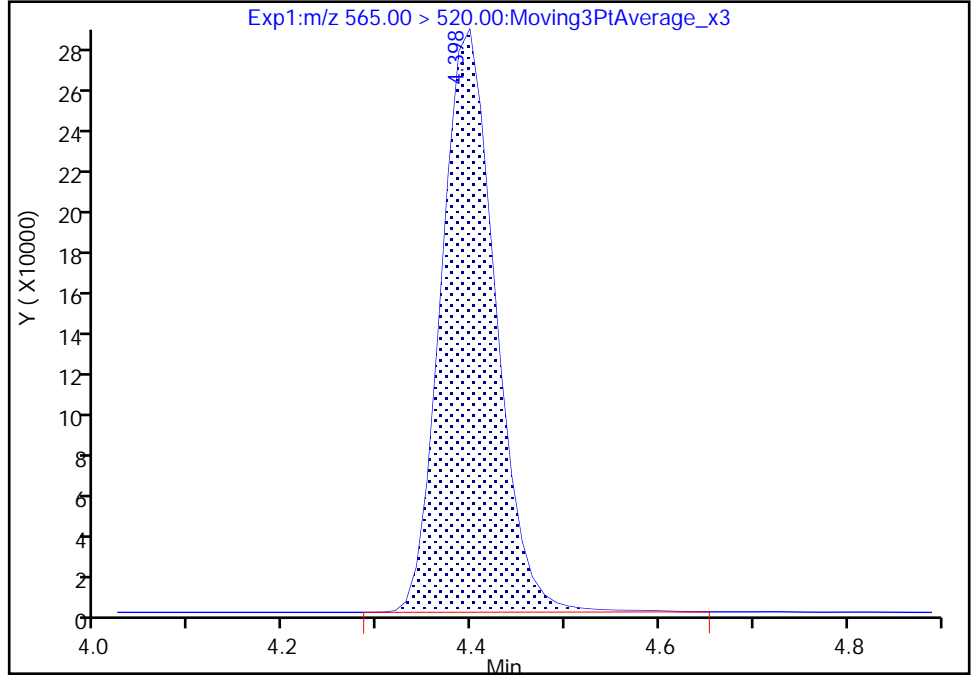
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 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 30 13C2 PFUnA, CAS: STL00997
Signal: 1

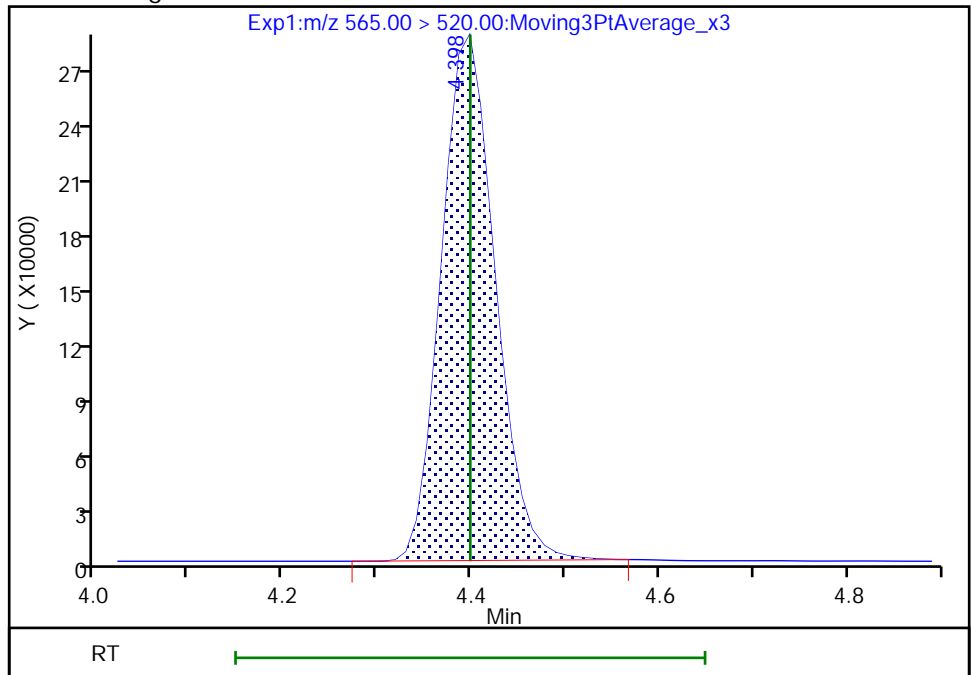
RT: 4.40
Area: 1133869
Amount: 1.168747
Amount Units: ng/ml

Processing Integration Results



RT: 4.40
Area: 1125897
Amount: 1.256529
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:21:59
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

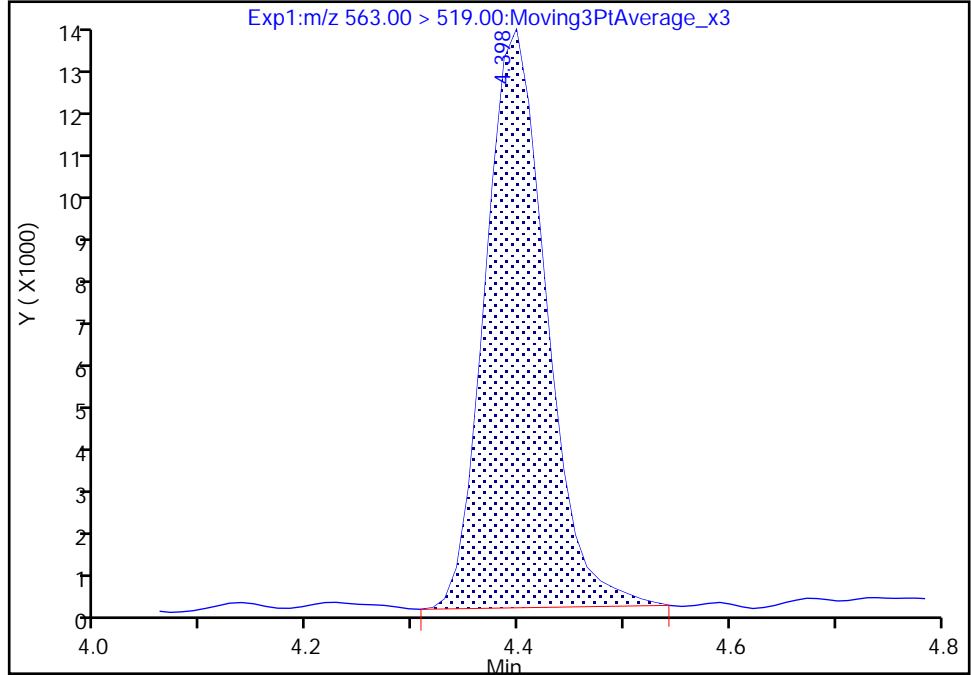
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

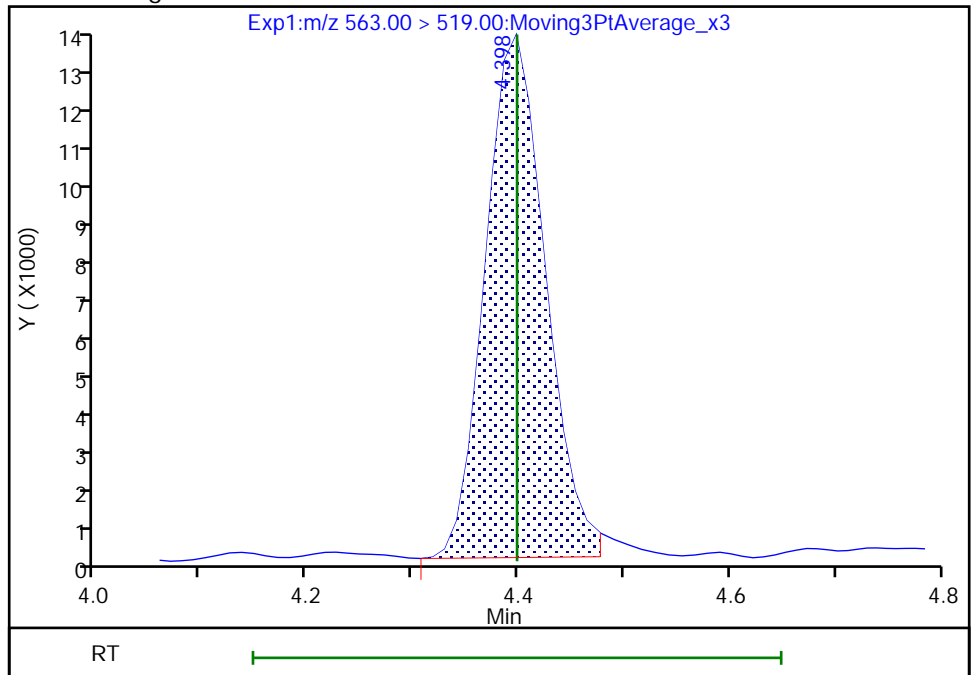
RT: 4.40
Area: 53321
Amount: 0.056988
Amount Units: ng/ml

Processing Integration Results



RT: 4.40
Area: 52491
Amount: 0.055007
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:22:30
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

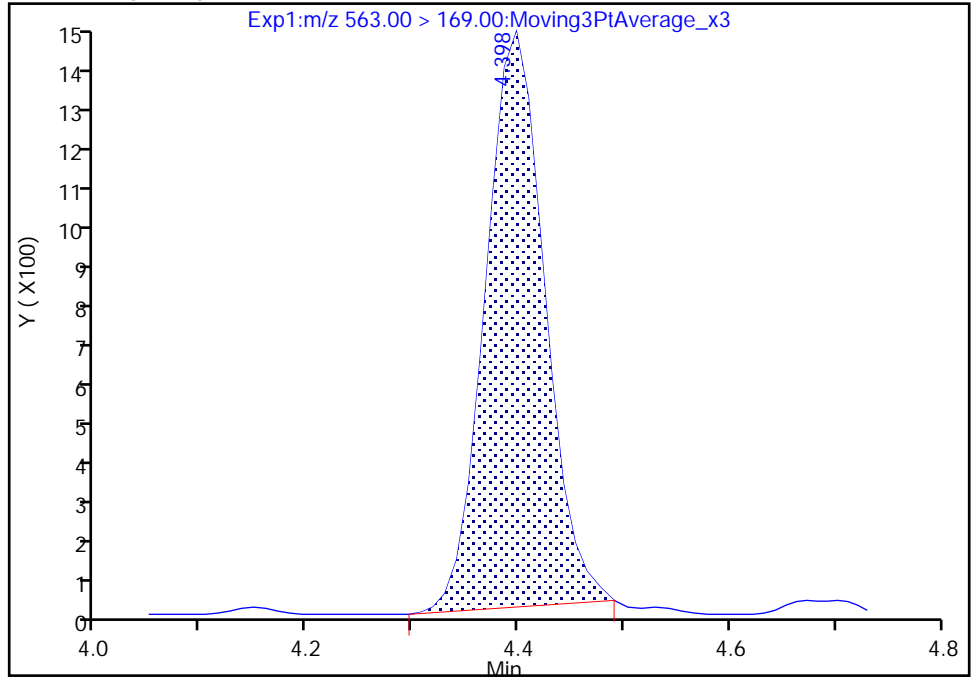
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

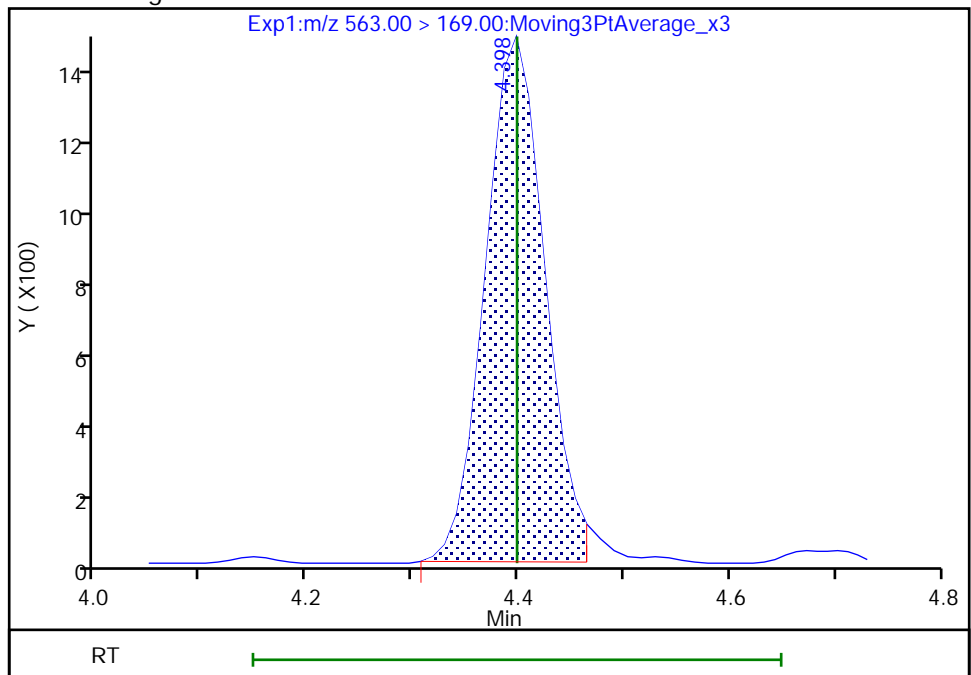
RT: 4.40
Area: 5636
Amount: 0.056988
Amount Units: ng/ml

Processing Integration Results



RT: 4.40
Area: 5695
Amount: 0.055007
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:22:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

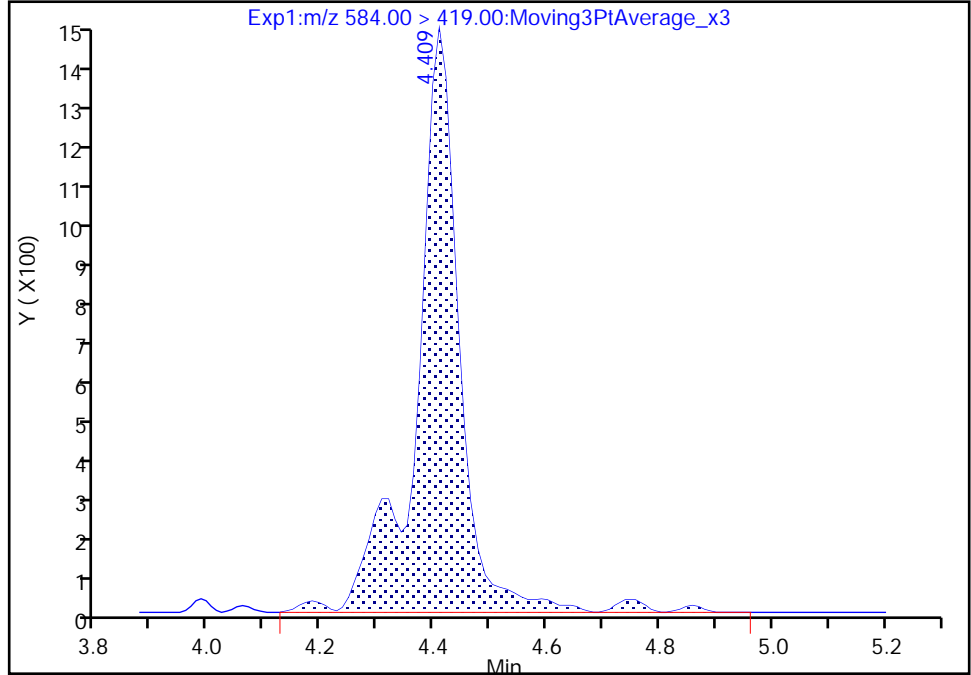
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

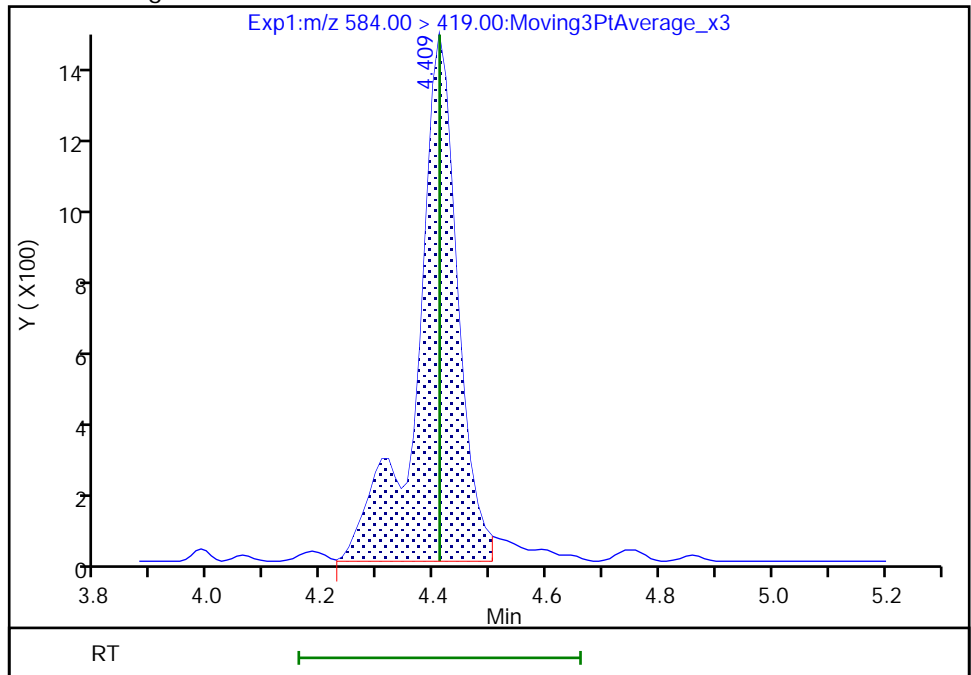
RT: 4.41
Area: 7838
Amount: 0.054012
Amount Units: ng/ml

Processing Integration Results



RT: 4.41
Area: 7270
Amount: 0.051550
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:23:52
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

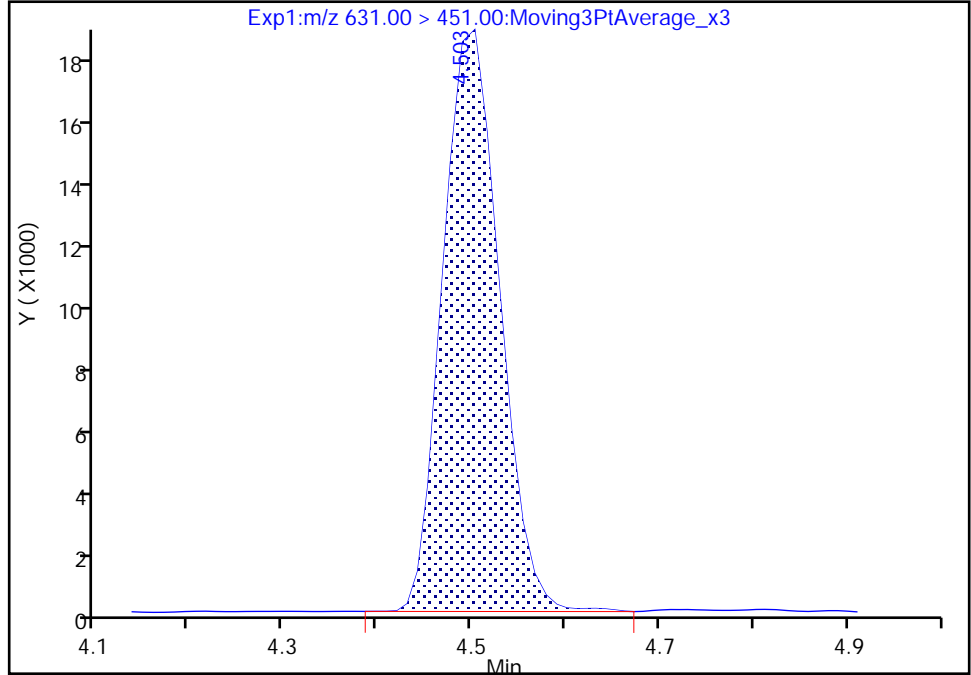
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

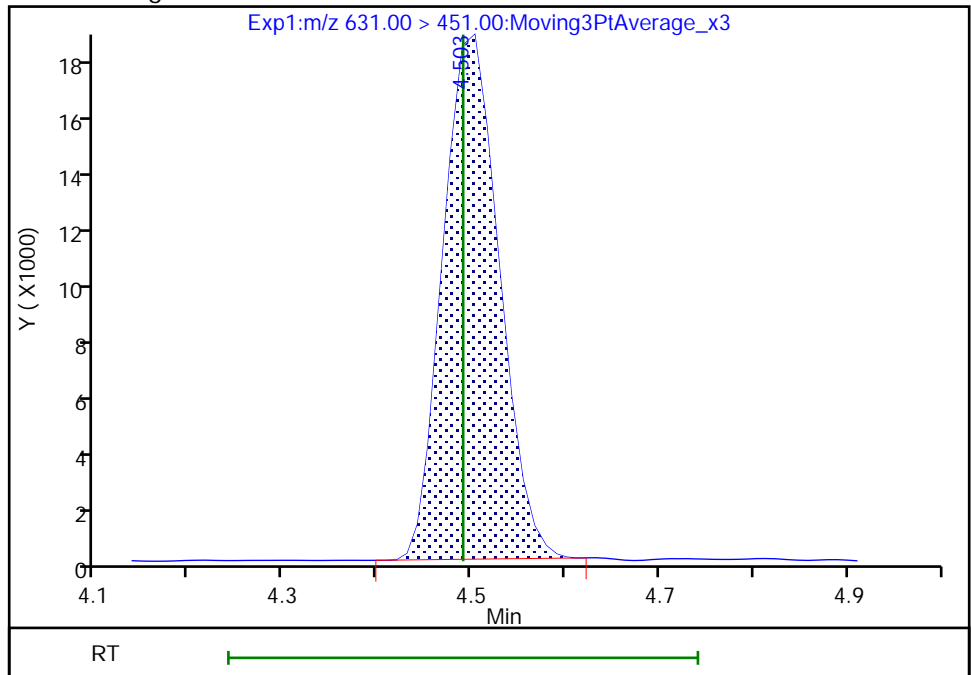
RT: 4.50
Area: 78300
Amount: 0.047528
Amount Units: ng/ml

Processing Integration Results



RT: 4.50
Area: 77476
Amount: 0.049410
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:23:58
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

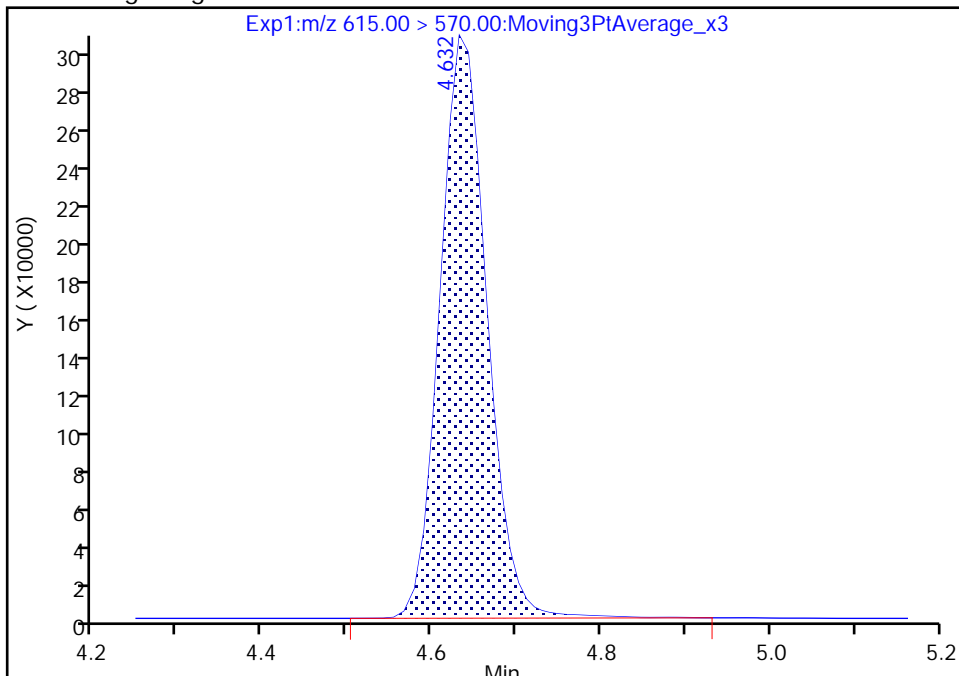
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 36 13C2 PFD_oA, CAS: STL00998

Signal: 1

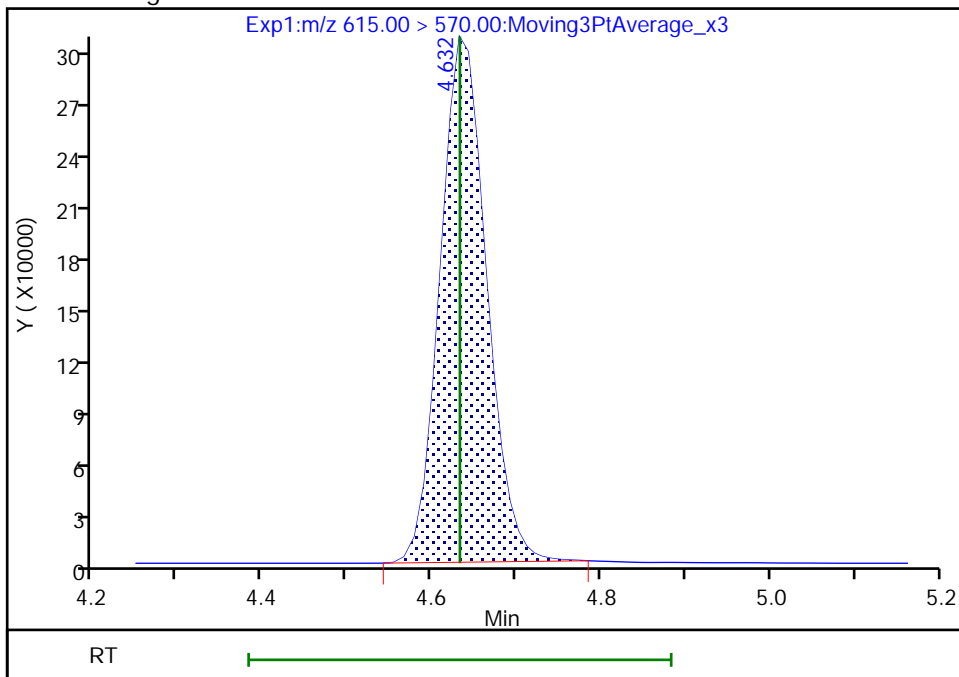
RT: 4.63
Area: 1167134
Amount: 1.145222
Amount Units: ng/ml

Processing Integration Results



RT: 4.63
Area: 1154380
Amount: 1.243259
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:24:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

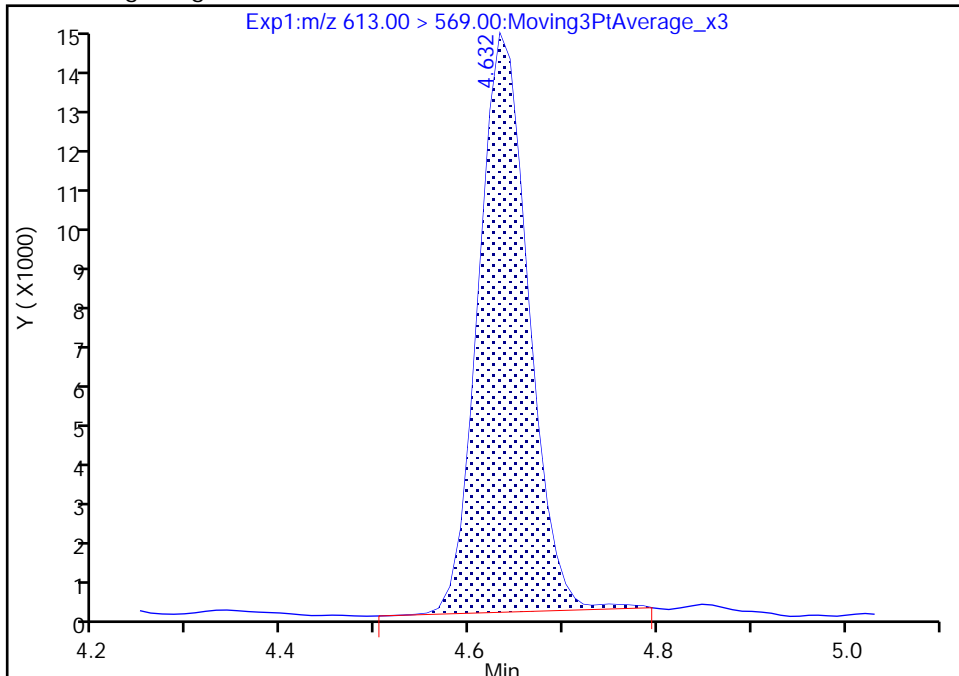
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

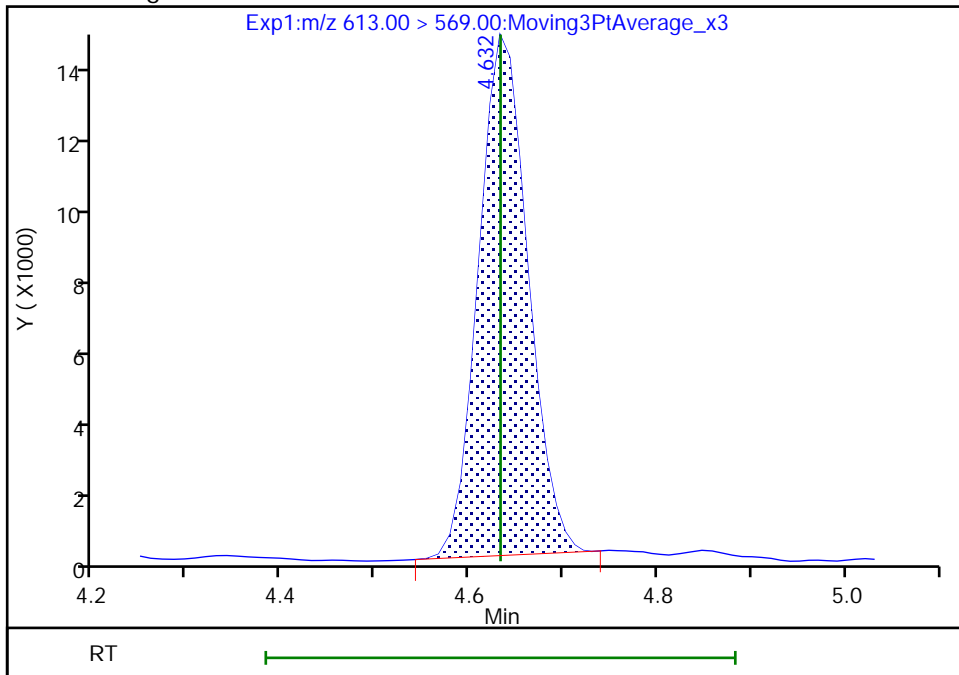
RT: 4.63
Area: 51071
Amount: 0.053596
Amount Units: ng/ml

Processing Integration Results



RT: 4.63
Area: 50149
Amount: 0.053546
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:24:07
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

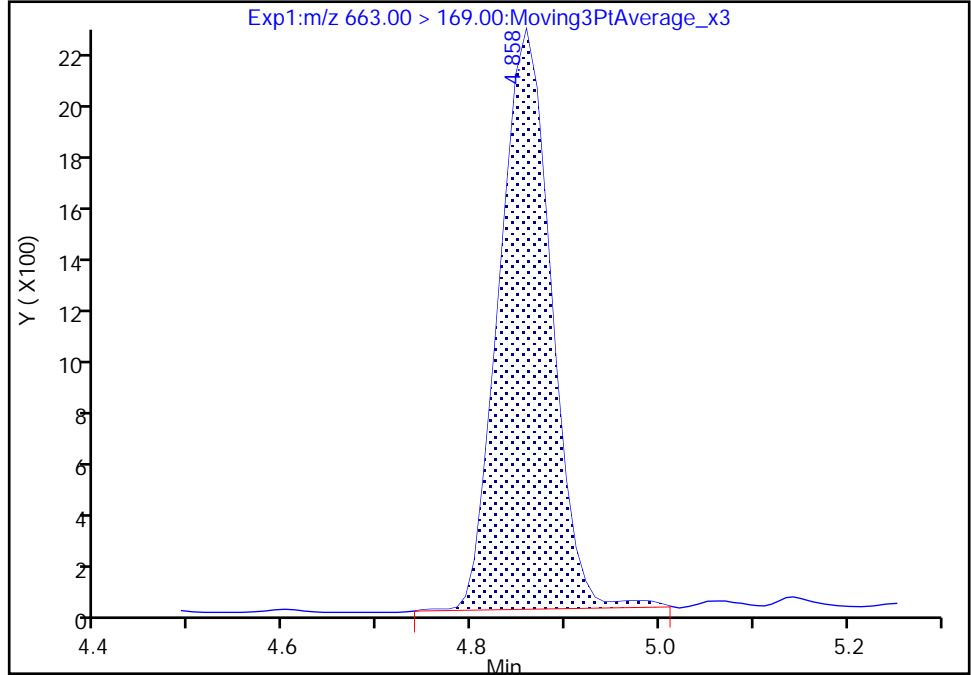
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

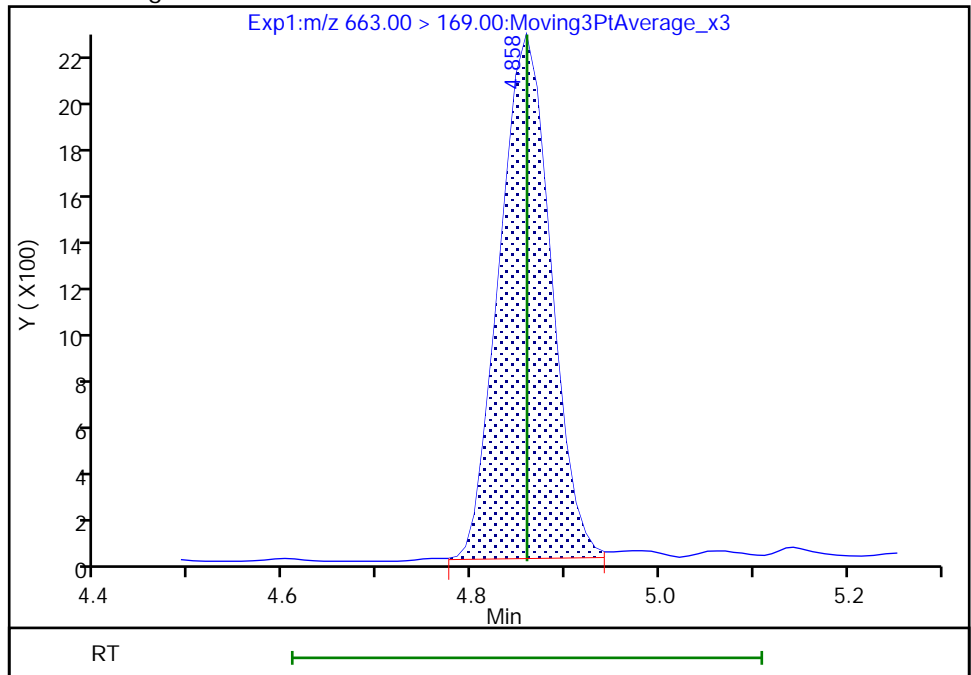
RT: 4.86
Area: 8618
Amount: 0.055810
Amount Units: ng/ml

Processing Integration Results



RT: 4.86
Area: 8523
Amount: 0.054605
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:24:32
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

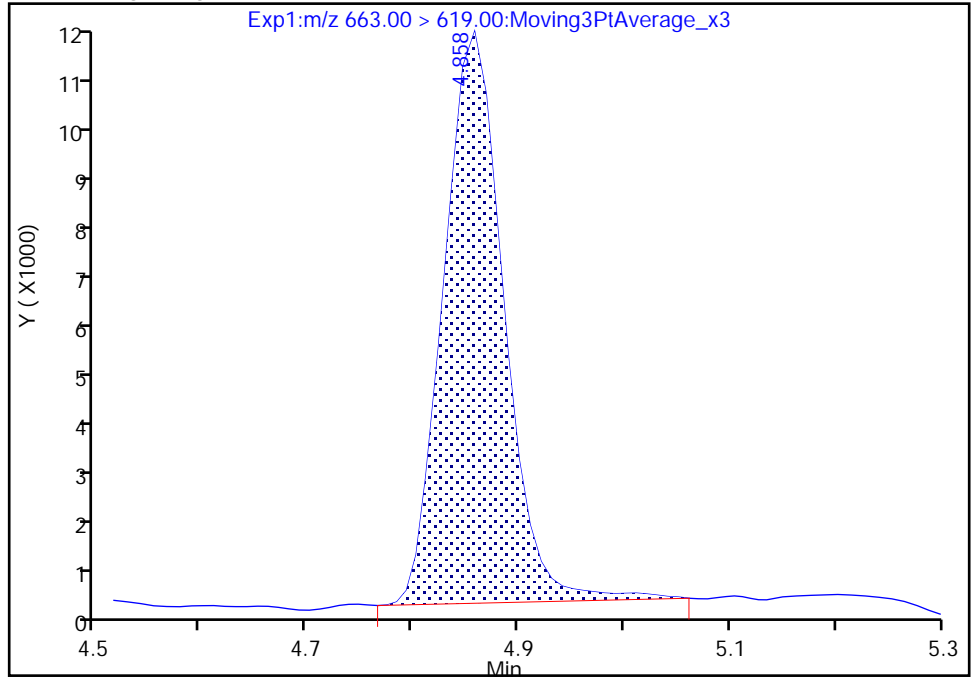
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

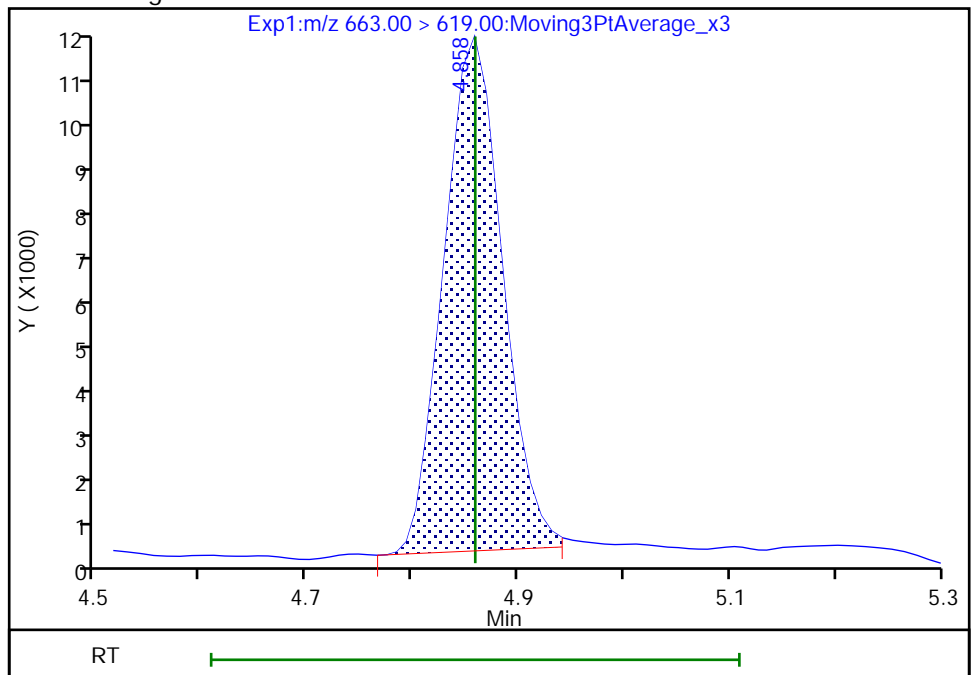
RT: 4.86
Area: 45775
Amount: 0.055810
Amount Units: ng/ml

Processing Integration Results



RT: 4.86
Area: 44332
Amount: 0.054605
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:24:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

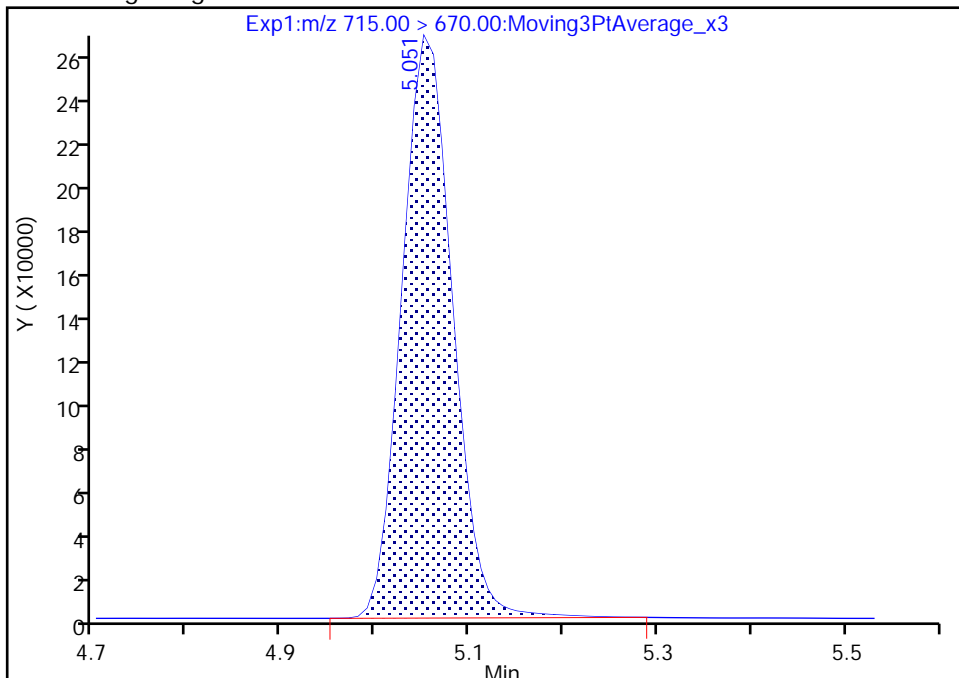
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

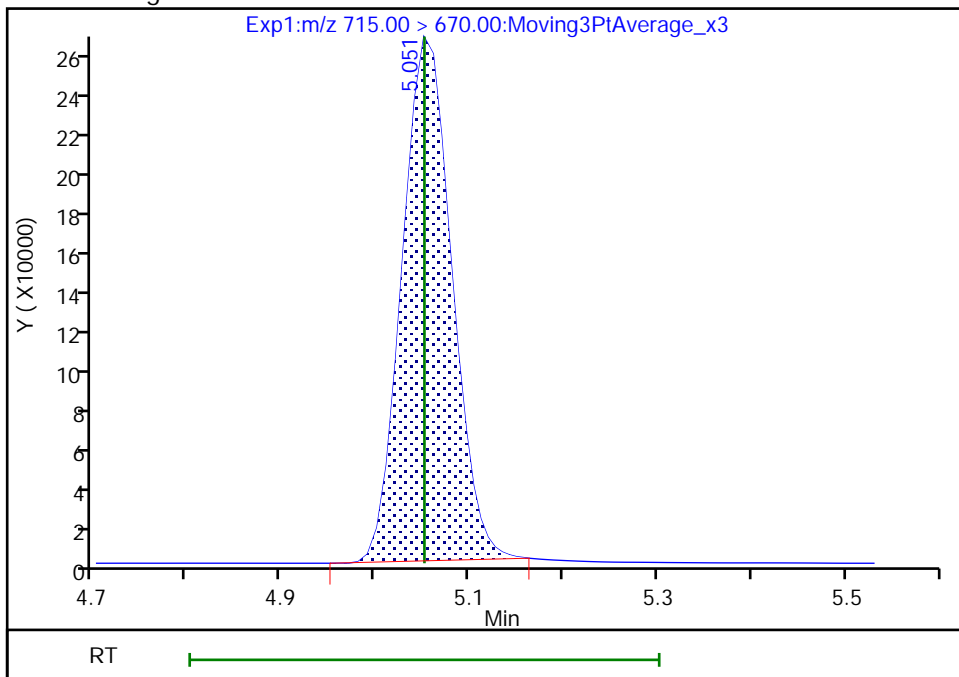
RT: 5.05
Area: 984371
Amount: 1.176053
Amount Units: ng/ml

Processing Integration Results



RT: 5.05
Area: 964763
Amount: 1.271045
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:25:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

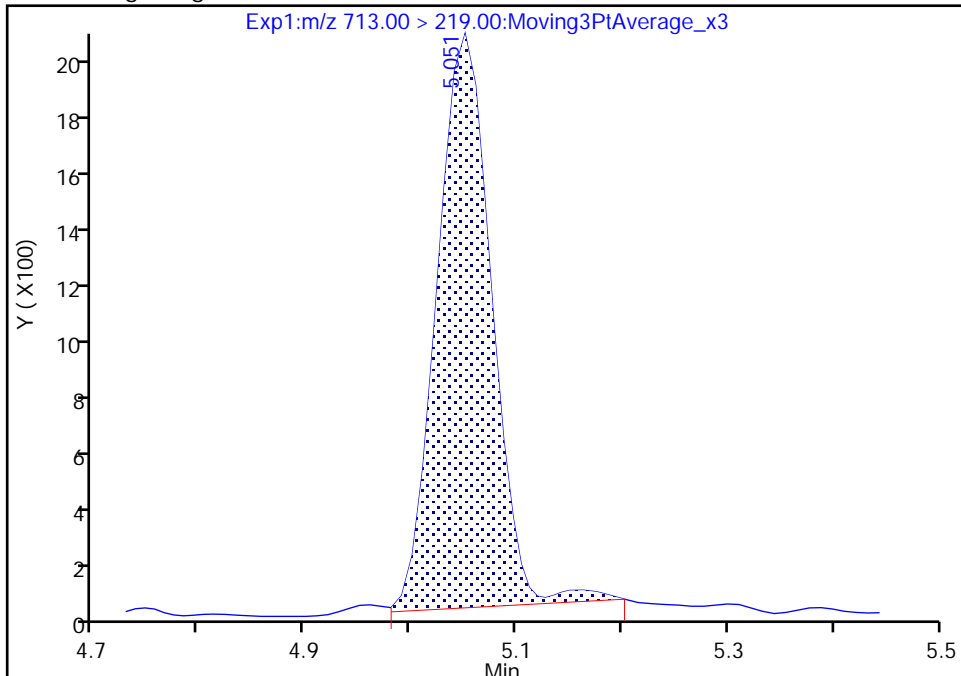
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

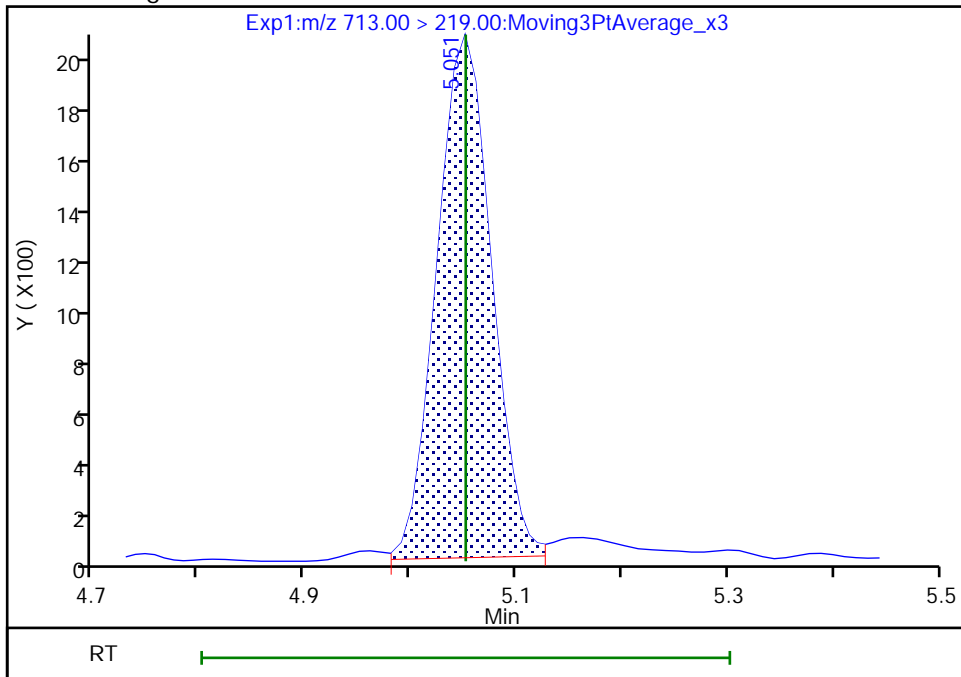
RT: 5.05
Area: 7341
Amount: 0.053800
Amount Units: ng/ml

Processing Integration Results



RT: 5.05
Area: 7362
Amount: 0.054152
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:24:53
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

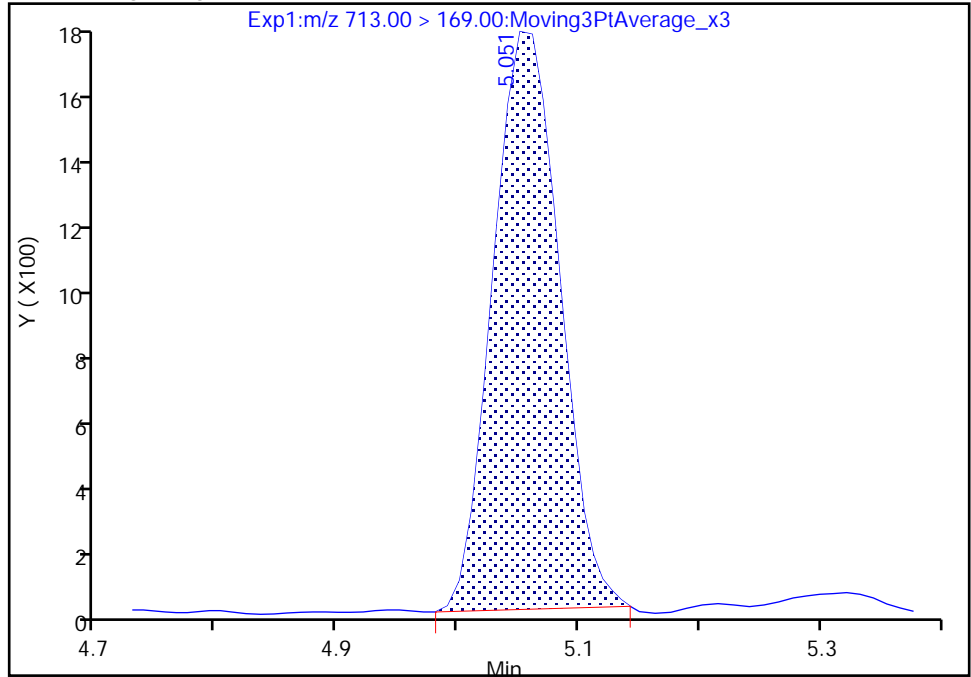
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

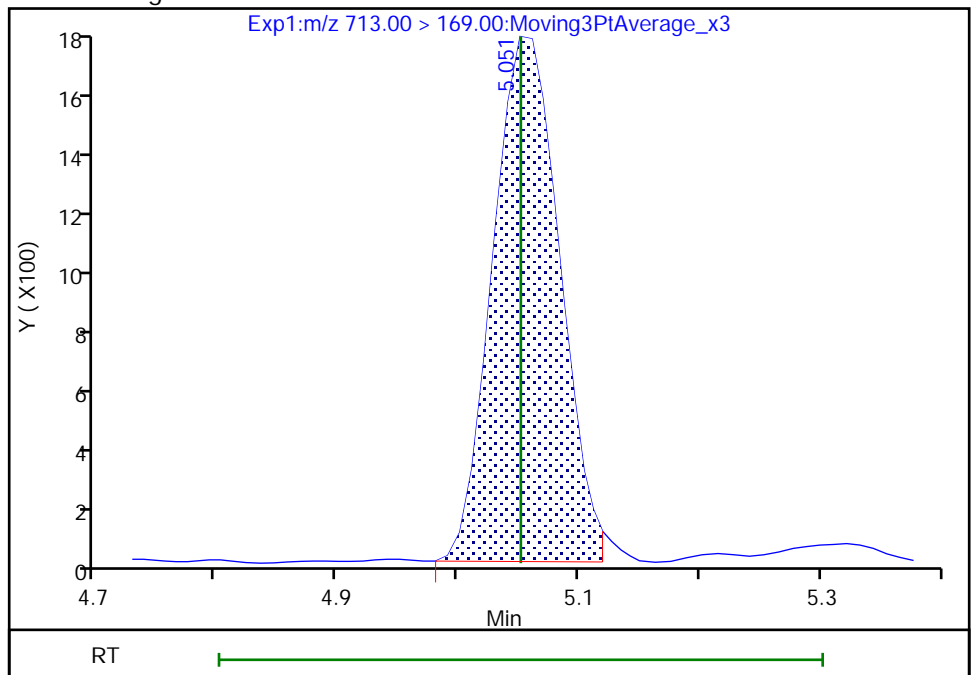
RT: 5.05
Area: 6674
Amount: 0.053800
Amount Units: ng/ml

Processing Integration Results



RT: 5.05
Area: 6696
Amount: 0.054152
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:25:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

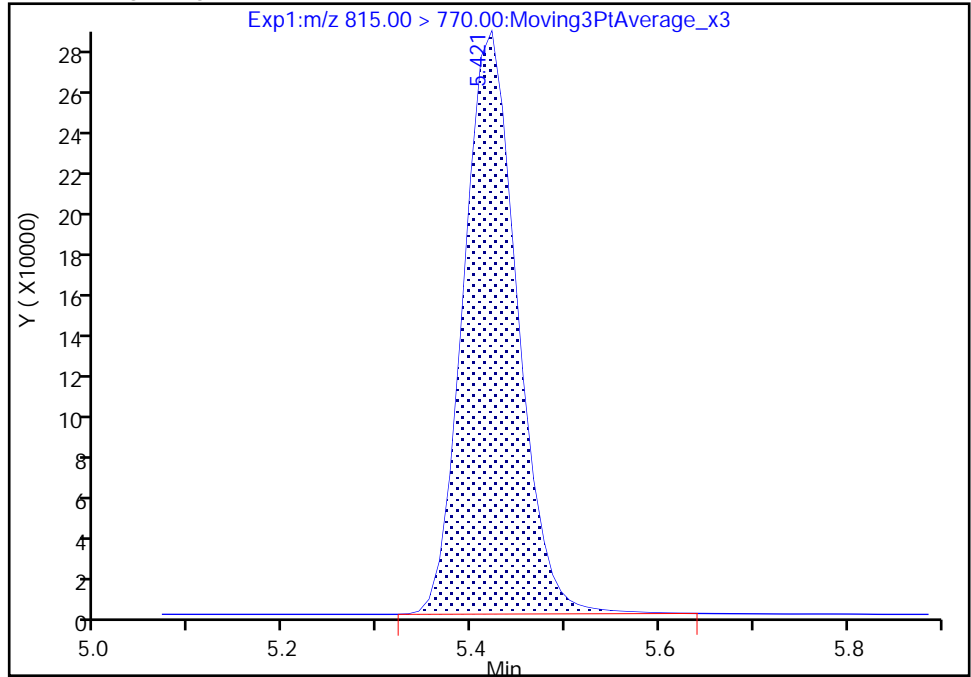
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 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 44 13C2 PFHxDA, CAS: STL02115
Signal: 1

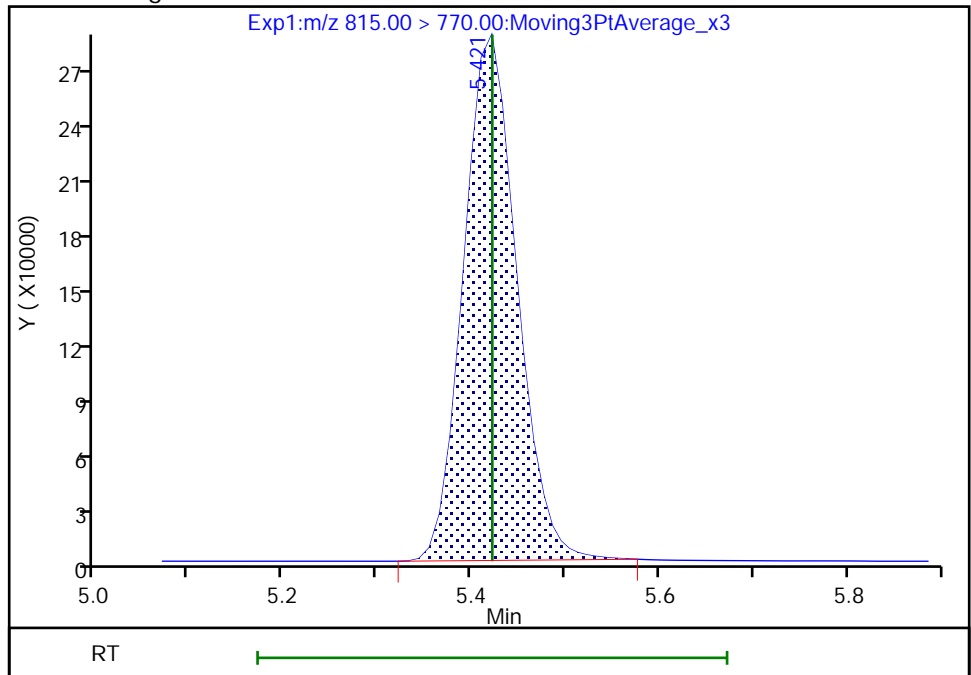
RT: 5.42
Area: 1135397
Amount: 1.284526
Amount Units: ng/ml

Processing Integration Results



RT: 5.42
Area: 1128787
Amount: 1.305511
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:25:13
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

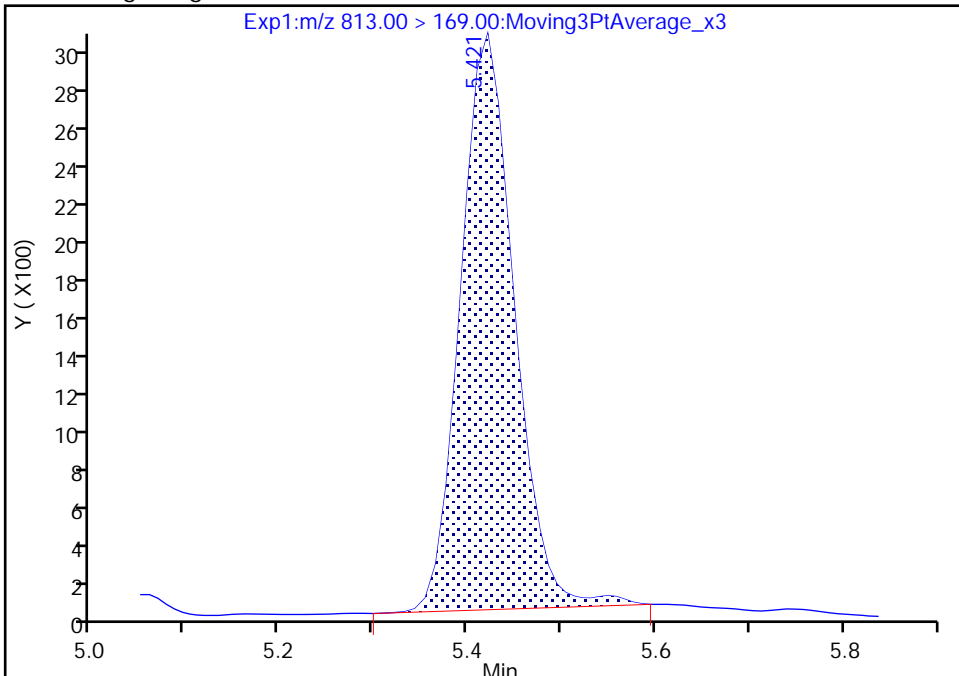
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

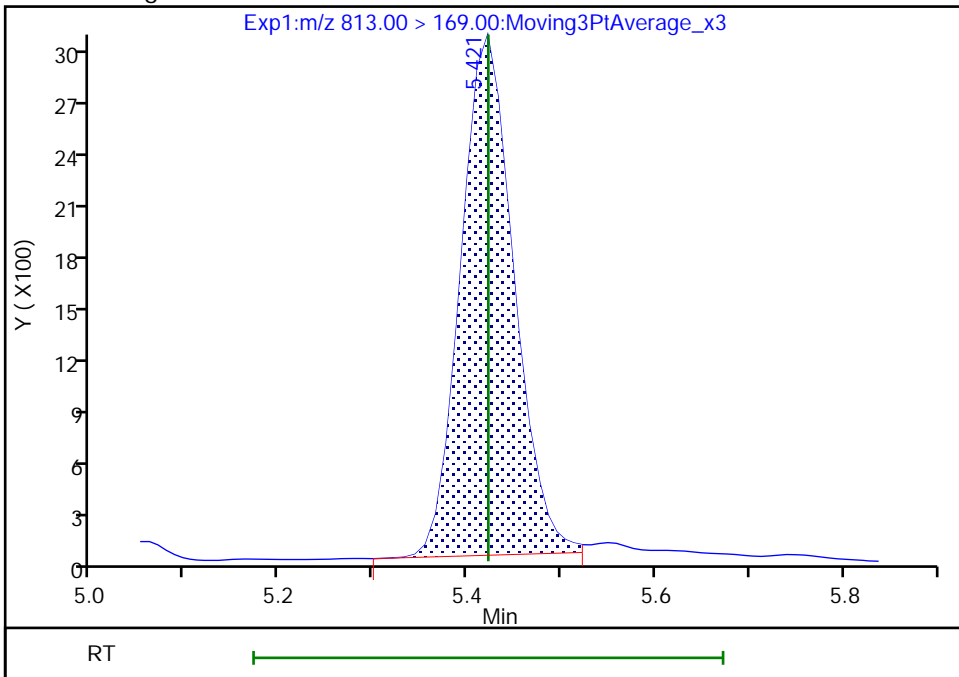
RT: 5.42
Area: 11997
Amount: 0.045585
Amount Units: ng/ml

Processing Integration Results



RT: 5.42
Area: 11856
Amount: 0.044361
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:25:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

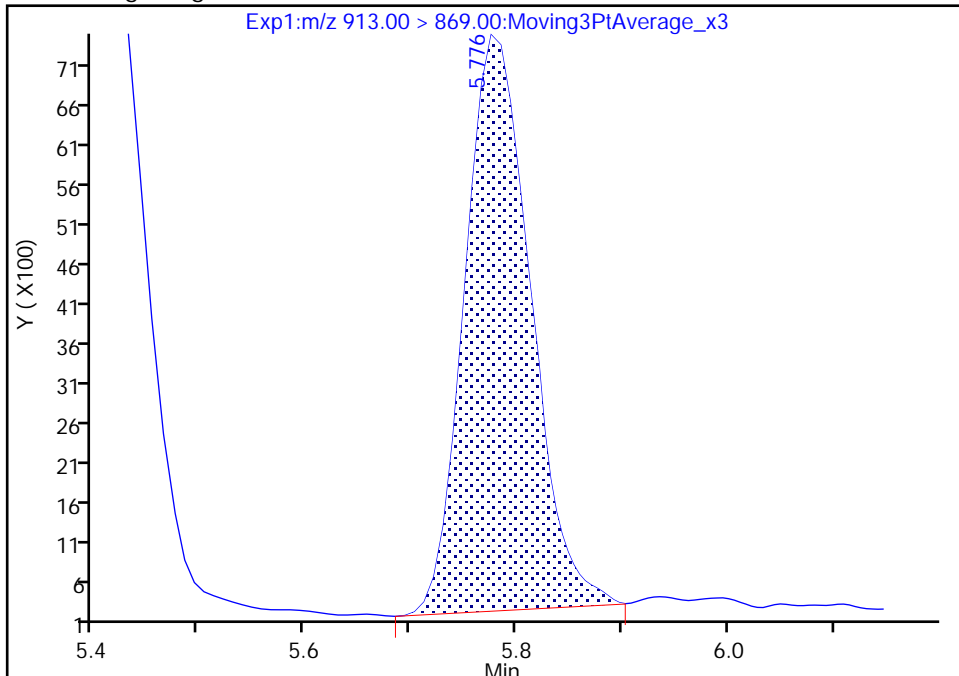
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

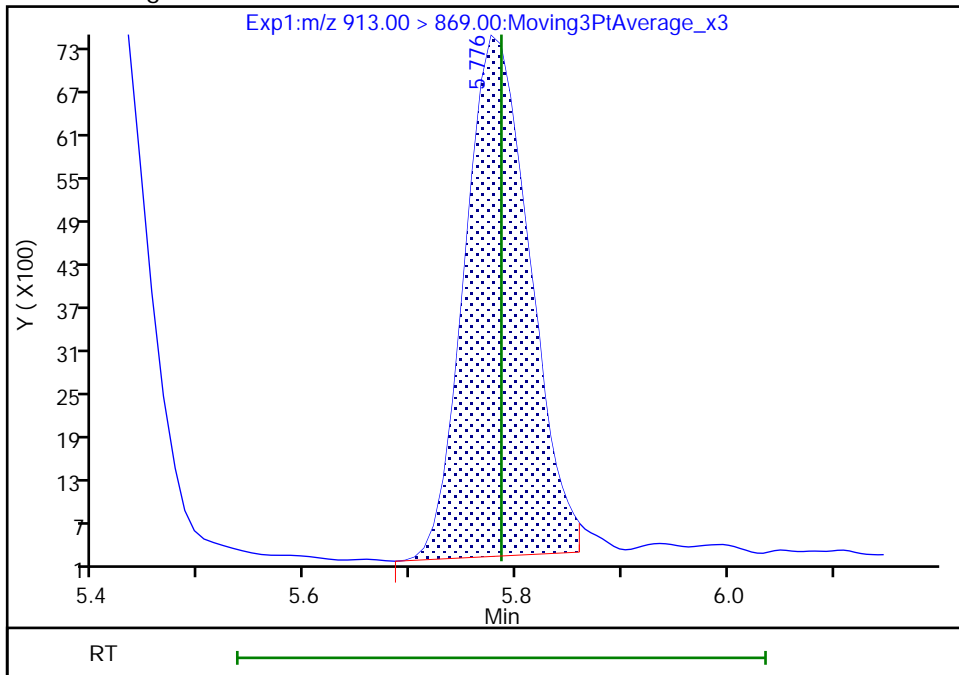
RT: 5.78
Area: 31050
Amount: 0.049381
Amount Units: ng/ml

Processing Integration Results



RT: 5.78
Area: 30589
Amount: 0.050946
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:26:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

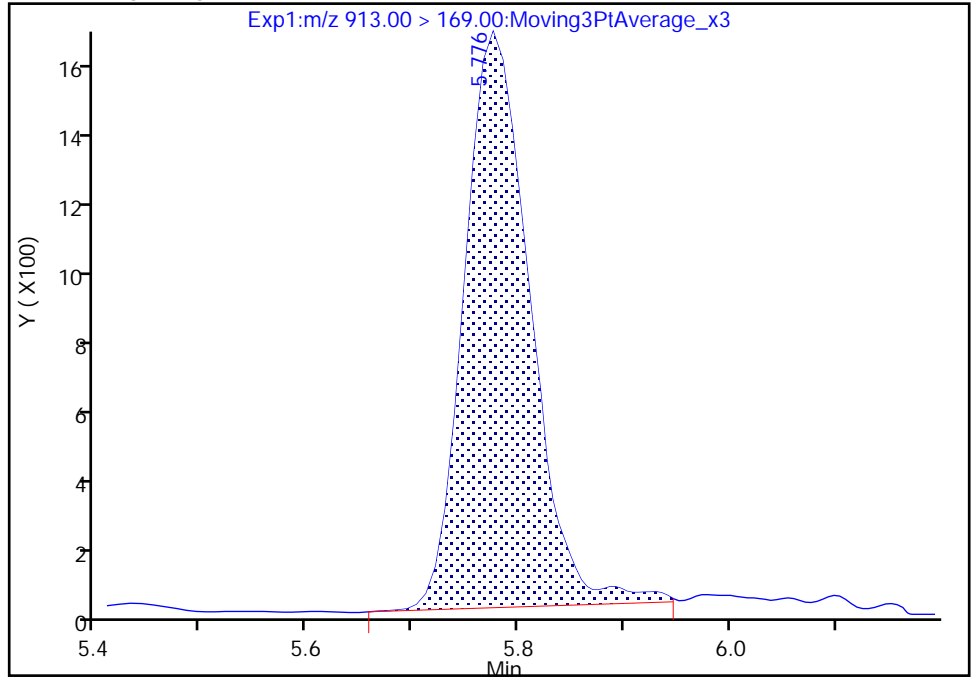
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

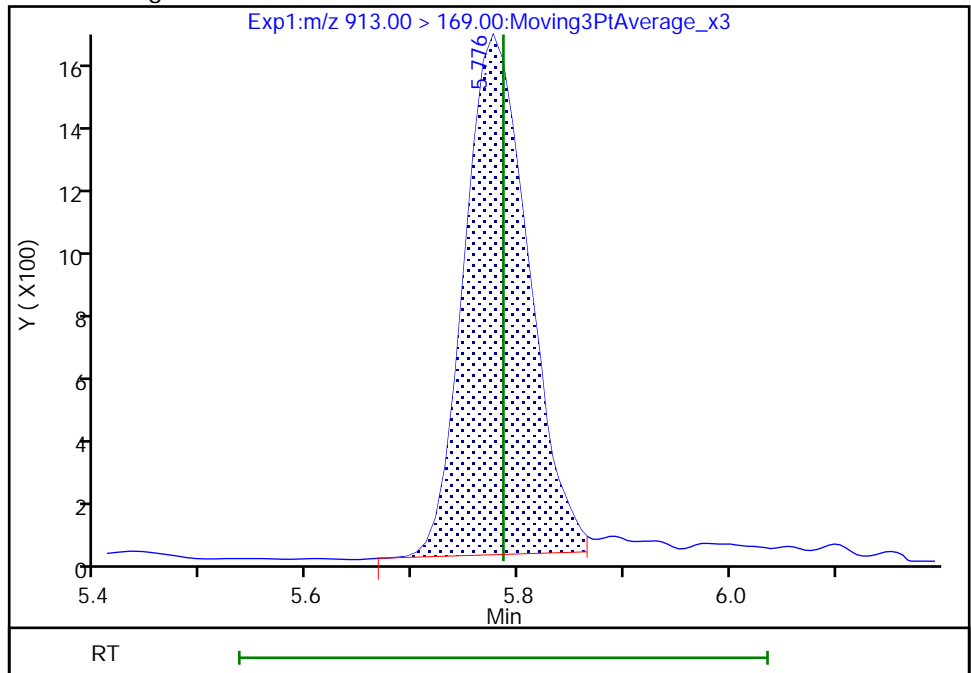
RT: 5.78
Area: 6968
Amount: 0.049381
Amount Units: ng/ml

Processing Integration Results



RT: 5.78
Area: 6782
Amount: 0.050946
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:26:18

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 03-Aug-2022 13:08:29 ALS Bottle#: 3 Worklist Smp#: 6
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 200-0051940-006 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 03-Aug-2022 14:25:07 Calib Date: 03-Aug-2022 13:41:11
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1672

First Level Reviewer: Z1IP Date: 03-Aug-2022 13:38:54

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	2.085	-0.009	0.598	1889069	1.28	103	11099	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.085	0.0	1.004	154590	0.1055		105	19.9	M
D 3 13C5 PFPeA	267.90 > 223.00	2.387	2.400	-0.013	0.687	1467520	1.30	104	3282	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.400	2.400	0.0	1.006	126653	0.1046		105	5.5	
D 47 13C3 PFBS	301.90 > 80.00	2.413	2.413	0.0	0.695	1552604	1.18	102	241526	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.413	2.413	0.0	1.000	137298	0.0931	Target=2.18	105	169	
298.90 > 99.00	2.413	2.413	0.0	1.000	61327		2.24(1.09-3.28)	105	53.3	
D 60 M2-4:2 FTS	329.00 > 81.00	2.713	2.713	0.0	0.781	135136	1.20	103	157	
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.713	2.713	0.0	1.000	26836	0.0975		104	440	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.750	2.750	0.0	1.000	123840	0.1083	Target=12.37	108	31.1	M
313.00 > 119.00	2.750	2.750	0.0	1.000	8345		14.84(6.19-18.56)	108	14.0	M
D 7 13C2 PFHxA	315.00 > 270.00	2.750	2.750	0.0	0.792	1370007	1.21	96.9	1694	M
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.750	2.762	-0.012	0.881	111806	0.0965	Target=3.00	103	240	
349.00 > 99.00	2.750	2.762	-0.012	0.881	38880		2.88(1.50-4.50)	103	112	
D 64 13C3 HFPO-DA	287.00 > 169.00	2.859	2.859	0.0	0.823	270250	1.27	102	2019	

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	2.859	2.859	0.0	1.000	23635	0.1017		102	275	M
D 9 13C4 PFHpA										M
367.00 > 322.00	3.121	3.121	0.0	0.898	1436597	1.22		97.9	1843	M
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.121	3.121	0.0	1.000	125739	0.1062	Target=3.68	106	41.1	M
363.00 > 169.00	3.121	3.121	0.0	1.000	33556		3.75(1.84-5.52)	106	65.8	M
D 11 18O2 PFHxS										M
403.00 > 84.00	3.121	3.121	0.0	0.898	1056649	1.15		96.9	1565	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.121	3.121	0.0	1.000	93371	0.0947	Target=3.52	104	212	M
399.00 > 99.00	3.121	3.121	0.0	1.000	26787		3.49(1.76-5.27)	104	37.5	M
77 DONA										
377.00 > 251.00	3.154	3.165	-0.011	0.832	288123	0.0994	Target=2.78	106	579	
377.00 > 85.00	3.154	3.165	-0.011	0.832	100310		2.87(1.39-4.17)	106	179	
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.465	3.474	-0.009	0.997	181082	1.17		98.8	371	M
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.465	3.474	-0.009	1.000	25321	0.0971		102	84.8	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.465	3.474	-0.009	0.914	83914	0.0965	Target=4.99	101	329	M
449.00 > 99.00	3.465	3.474	-0.009	0.914	18089		4.64(2.50-7.49)	101	108	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.474	3.482	-0.008	1.000	141576	0.1018	Target=2.64	102	18.3	M
413.00 > 169.00	3.483	3.482	0.001	1.003	53235		2.66(1.32-3.96)	102	123	M
D 14 13C4 PFOA										M
417.00 > 372.00	3.474	3.482	-0.008	1.000	1549546	1.29		103	2023	M
* 62 13C2 PFOA										M
415.00 > 370.00	3.474	3.482	-0.008		1577768	1.25			2013	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.793	3.802	-0.010	1.000	77581	0.0924	Target=4.77	99.5	58.3	M
499.00 > 99.00	3.793	3.802	-0.010	1.000	16176		4.80(2.38-7.15)	99.5	65.3	M
D 18 13C4 PFOS										M
503.00 > 80.00	3.793	3.802	-0.010	1.092	840757	1.22		102	1987	M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.812	3.822	-0.010	1.000	132027	0.1012	Target=7.92	101	51.2	
463.00 > 169.00	3.812	3.822	-0.010	1.000	17042		7.75(3.96-11.88)	101	176	M
D 19 13C5 PFNA										M
468.00 > 423.00	3.812	3.822	-0.010	1.097	1602191	1.28		103	1979	M
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.960	3.969	-0.009	1.044	119561	0.0962		103	925	
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.093	4.093	0.0	1.079	55980	0.1016	Target=2.52	106	423	
549.00 > 99.00	4.093	4.093	0.0	1.079	20056		2.79(1.26-3.78)	106	122	M
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.127	4.127	0.0	1.000	17191	0.0961		100	166	

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	4.116	4.127	-0.011	1.000	131103	0.0979	Target=9.74	97.9	84.2	M
513.00 > 169.00	4.116	4.127	-0.011	1.000	14057		9.33(4.87-14.60)	97.9	92.1	M
D 23 13C2 PFDA										M
515.00 > 470.00	4.116	4.127	-0.011	1.185	1591995	1.31		105	1333	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.127	4.138	-0.011	1.188	221797	1.19		99.7	950	
D 21 13C8 FOSA										M
506.00 > 78.00	4.173	4.173	0.0	1.201	1346274	1.27		101	1456	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.173	4.173	0.0	1.000	119896	0.1092		109	487	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.262	4.273	-0.011	1.000	13734	0.0963		96.3	53.4	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.262	4.273	-0.011	1.227	200758	1.23		98.6	1013	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.366	4.365	0.001	1.151	40369	0.0985	Target=2.62	102	372	
599.00 > 99.00	4.366	4.365	0.001	1.151	14326		2.82(1.31-3.93)	102	144	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.388	4.399	-0.011	1.263	1204305	1.31		105	1508	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.388	4.399	-0.011	1.000	102072	0.1000	Target=8.83	100	91.7	
563.00 > 169.00	4.388	4.399	-0.011	1.000	11981		8.52(4.41-13.24)	100	168	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.400	4.410	-0.010	1.000	14911	0.1073		107	152	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.400	4.410	-0.010	1.266	191350	1.24		99.3	855	
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.492	4.491	0.001	1.184	155503	0.0961		102	864	
D 36 13C2 PFDaA										M
615.00 > 570.00	4.633	4.633	0.0	1.334	1231772	1.29		103	1843	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.633	4.633	0.0	1.000	100780	0.1008	Target=6.63	101	17.6	M
613.00 > 169.00	4.633	4.633	0.0	1.000	15506		6.50(3.32-9.95)	101	281	M
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.654	4.654	0.0	1.128	8639	0.1034		107	235	
75 Perfluorododecanesulfonic acid (
699.00 > 80.00	4.812	4.813	-0.001	1.269	17866	0.0982	Target=0.54	101	334	
699.00 > 99.00	4.812	4.813	-0.001	1.269	33321		0.54(0.27-0.81)	101	562	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.848	4.859	-0.011	1.046	86868	0.1003	Target=4.62	100	16.2	M
663.00 > 169.00	4.848	4.859	-0.011	1.046	19158		4.53(2.31-6.94)	100	128	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.052	5.052	0.0	1.454	974562	1.25		100	1410	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.052	5.052	0.0	1.000	12683	0.1015	Target=0.94	102	142	
713.00 > 219.00	5.042	5.052	-0.010	0.998	13008		0.98(0.47-1.41)	102	143	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										
813.00 > 769.00	5.411	5.422	-0.011	1.000	98813	0.1008	Target=4.40	101	23.4	
813.00 > 169.00	5.411	5.422	-0.011	1.000	22226		4.45(2.20-6.59)	101	181	
D 44 13C2 PFHxDA										
815.00 > 770.00	5.411	5.422	-0.011	1.558	1136259	1.28		102	2164	M
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.776	5.786	-0.010	1.068	64267	0.1063	Target=4.42	106	20.1	M
913.00 > 169.00	5.776	5.786	-0.010	1.068	14493		4.43(2.21-6.63)	106	119	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC2_00012

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d

Injection Date: 03-Aug-2022 13:08:29

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

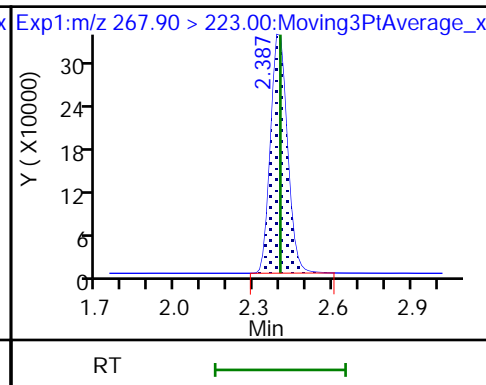
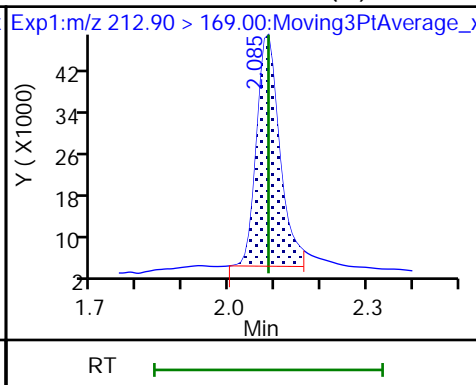
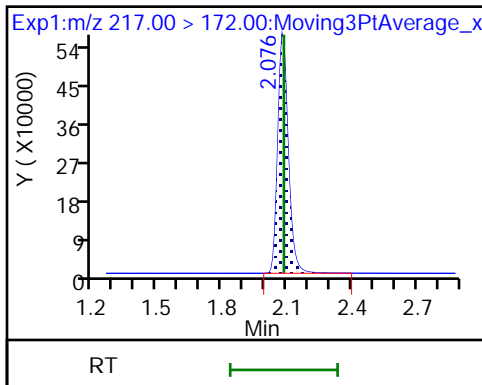
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

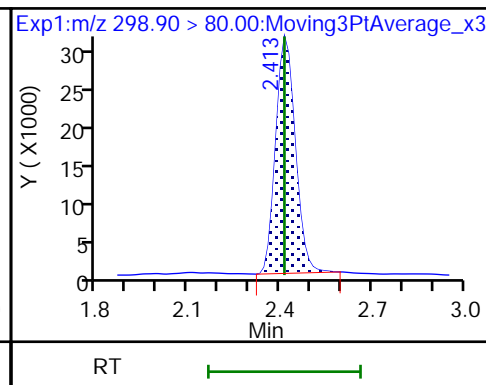
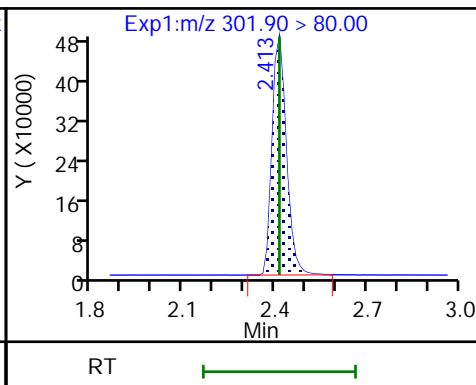
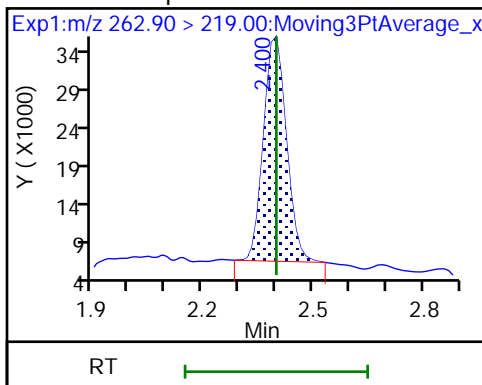
D 3 13C5 PFPeA



4 Perfluoropentanoic acid

D 47 13C3 PFBS

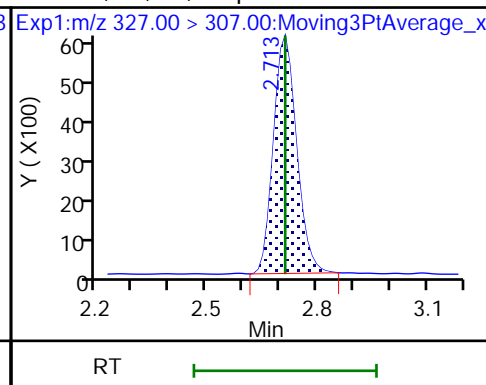
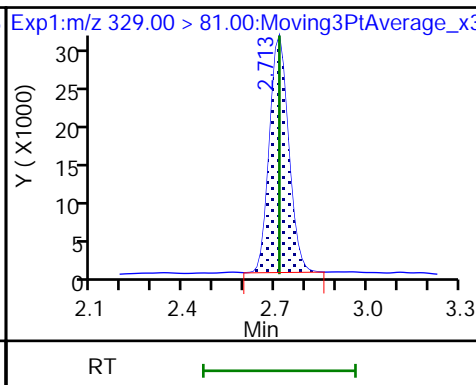
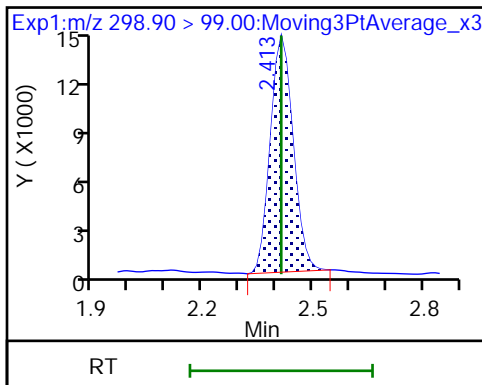
5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid

D 60 M2-4:2 FTS

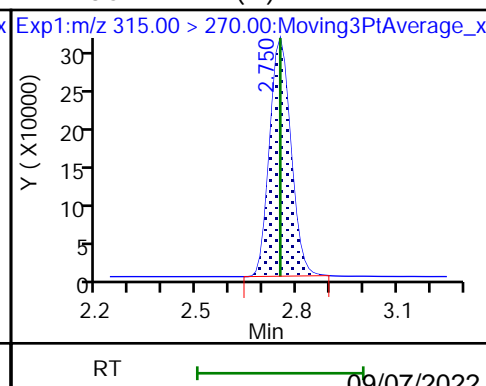
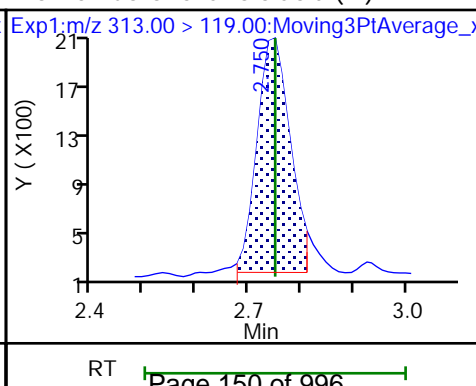
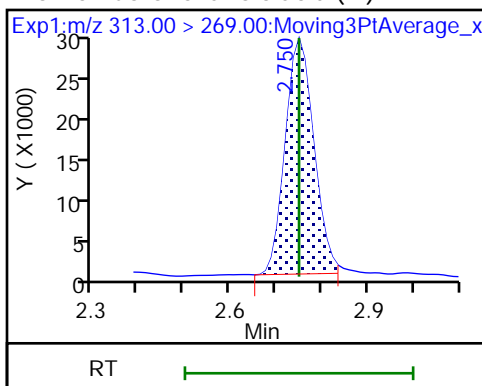
61 1H,1H,2H,2H-perfluorohexanesulfo

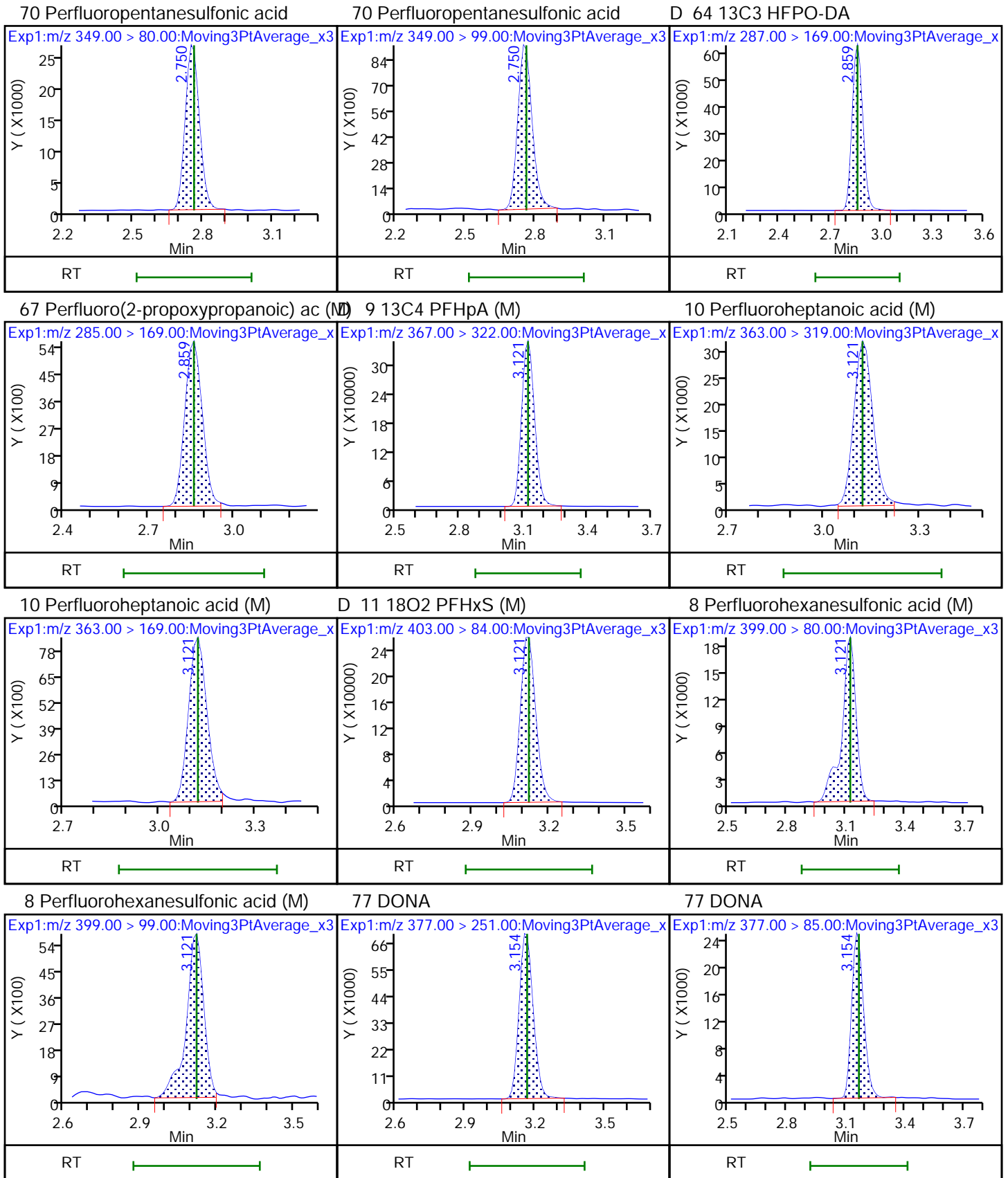


6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid (M)

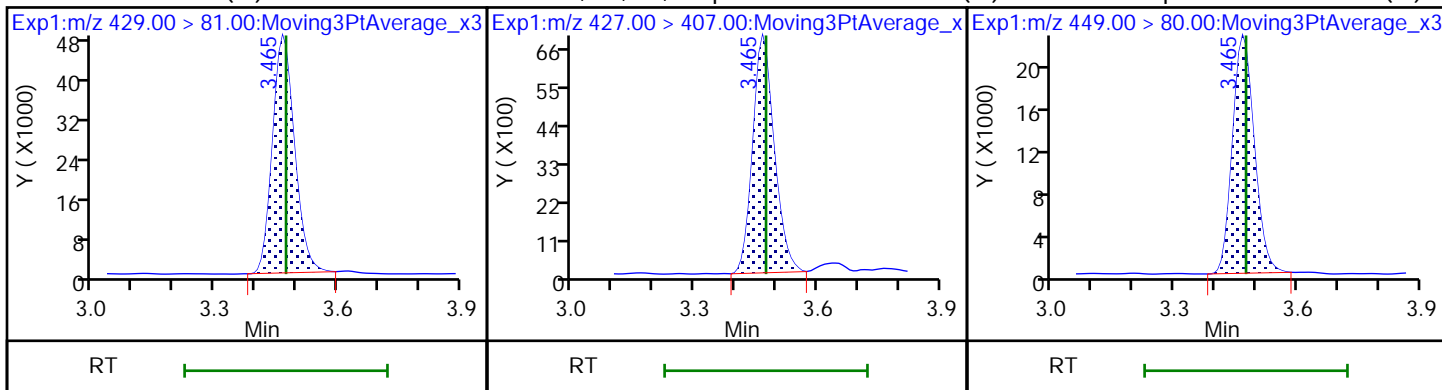
D 7 13C2 PFHxA (M)





D 12 M2-6:2 FTS (M)

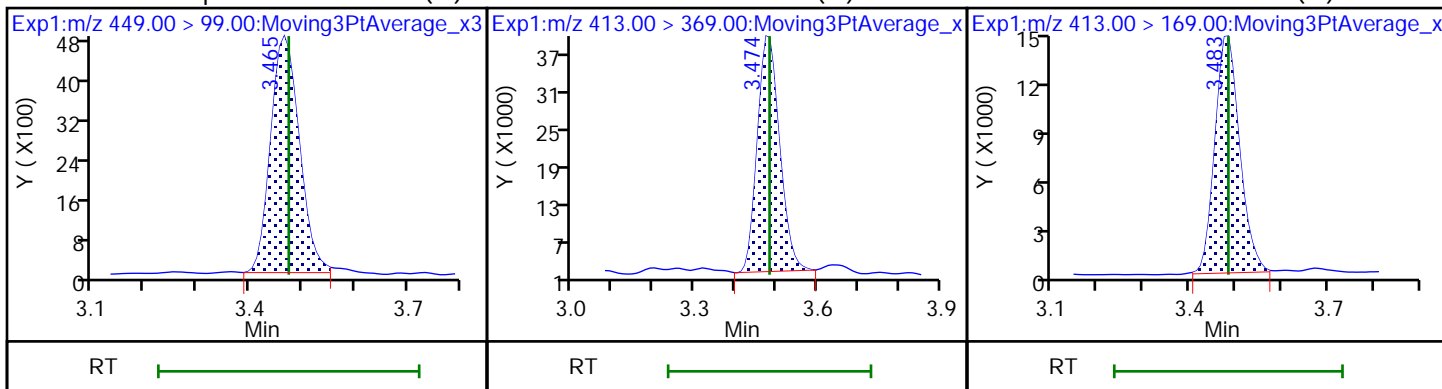
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 6 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

15 Perfluorooctanoic acid (M)

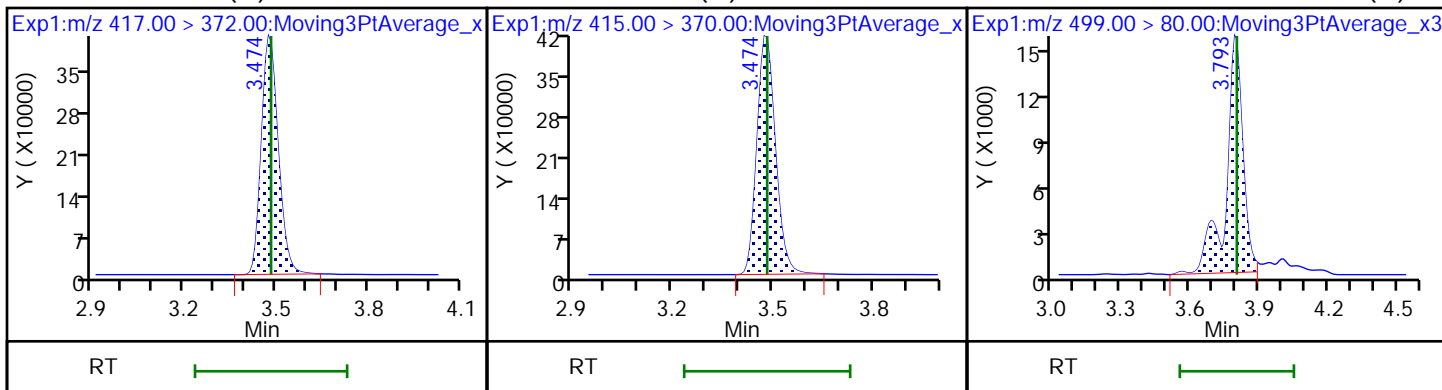
15 Perfluorooctanoic acid (M)



D 14 13C4 PFOA (M)

* 62 13C2 PFOA (M)

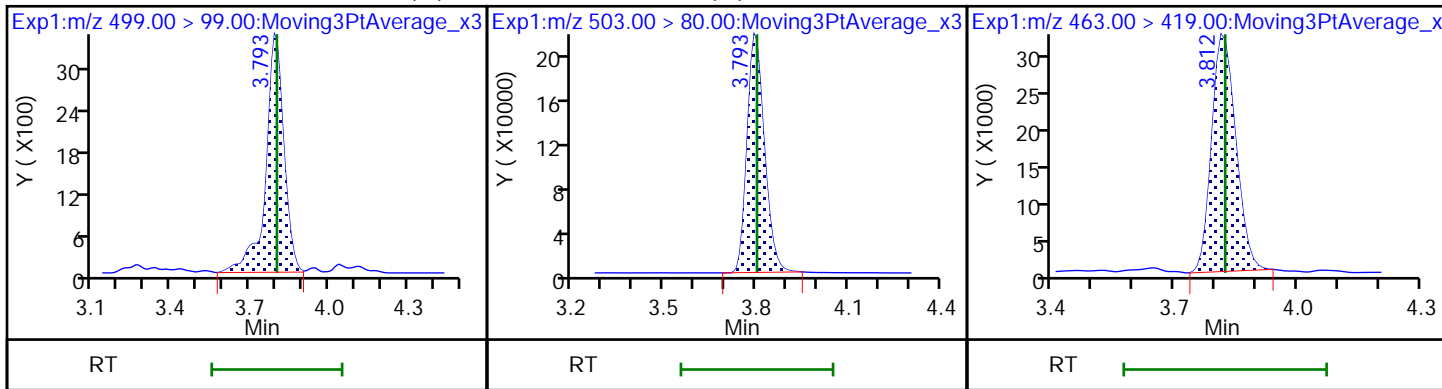
17 Perfluorooctanesulfonic acid (M)

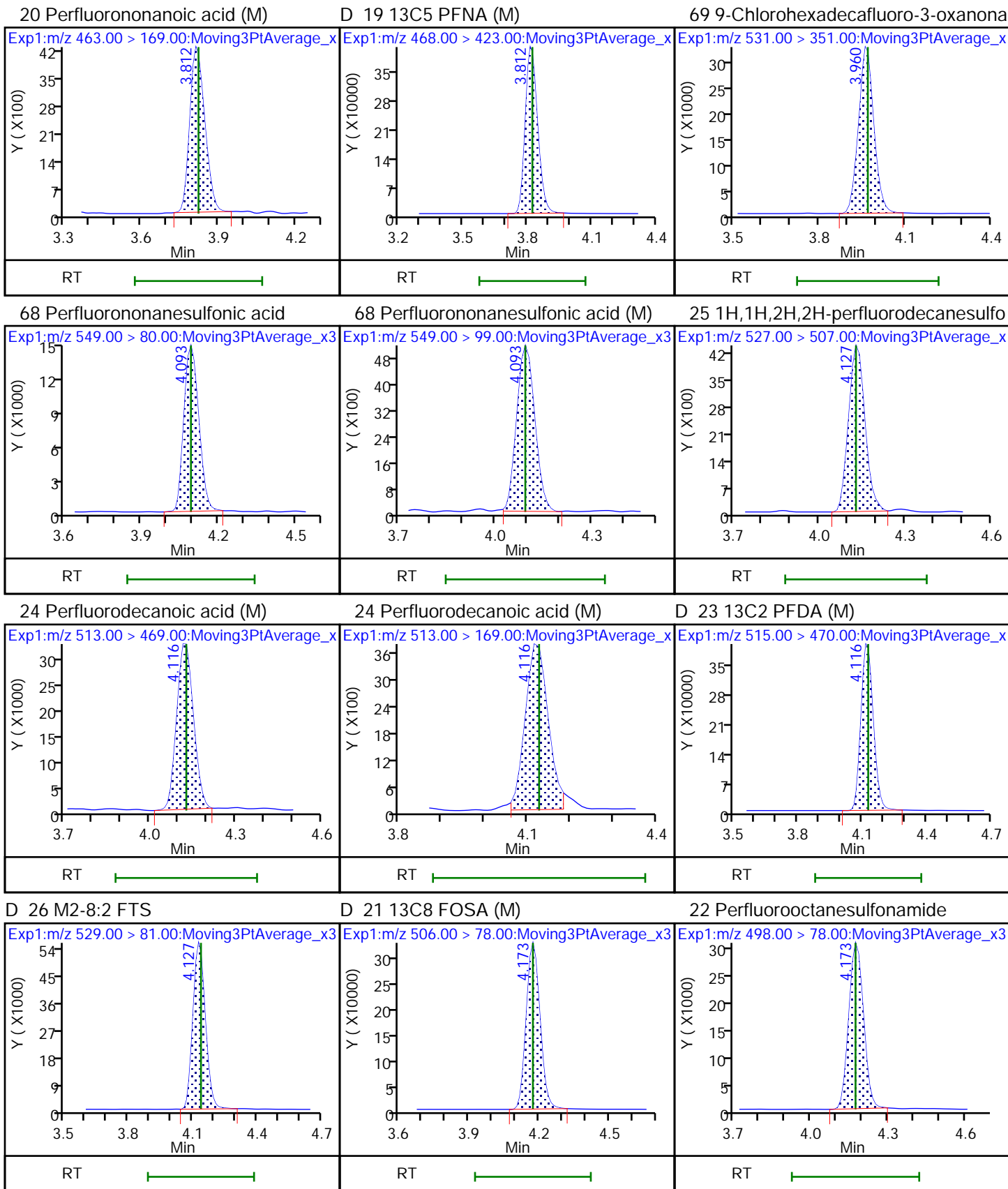


17 Perfluorooctanesulfonic acid (M)

D 18 13C4 PFOS (M)

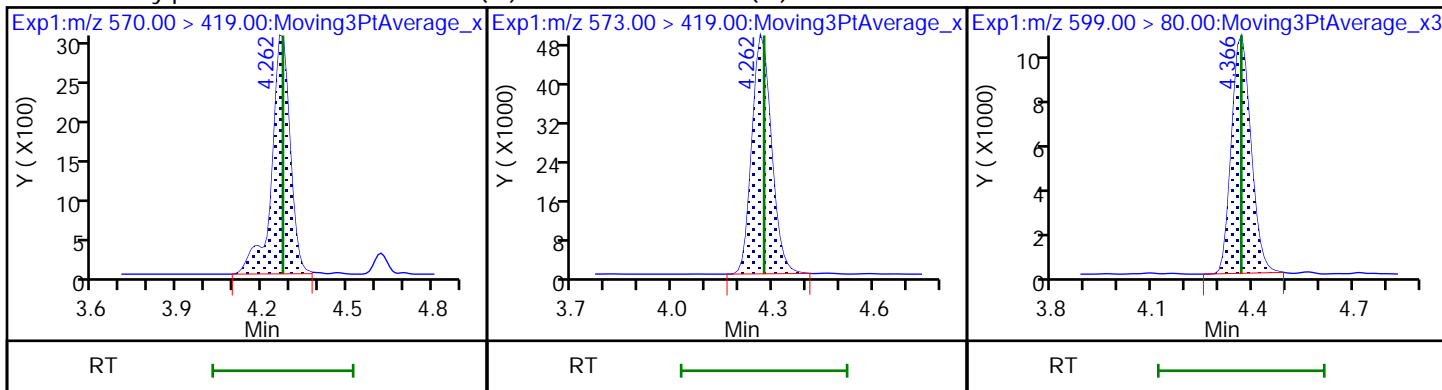
20 Perfluorononanoic acid





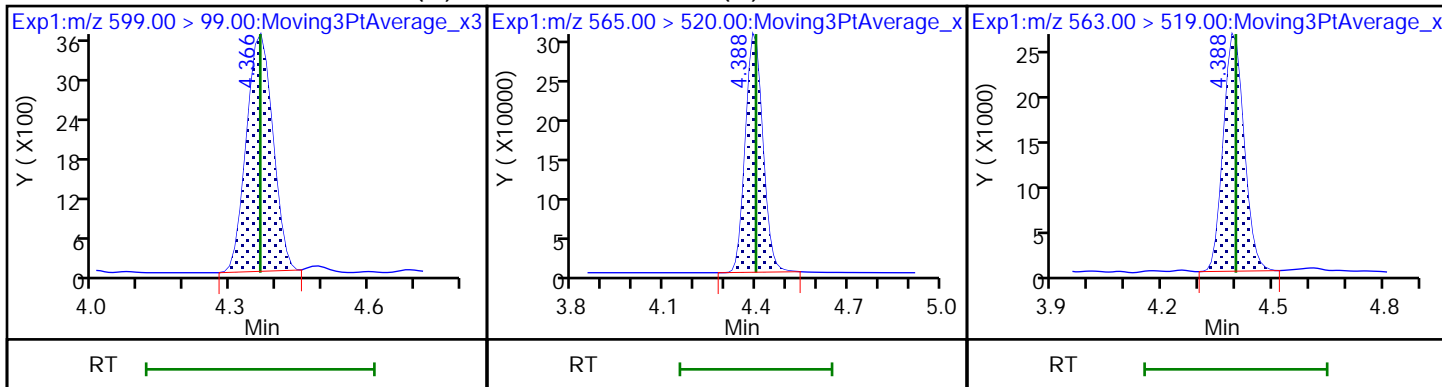
28 N-methylperfluorooctanesulfonami (M) 27 d3-NMeFOSAA (M)

29 Perfluorodecanesulfonic acid



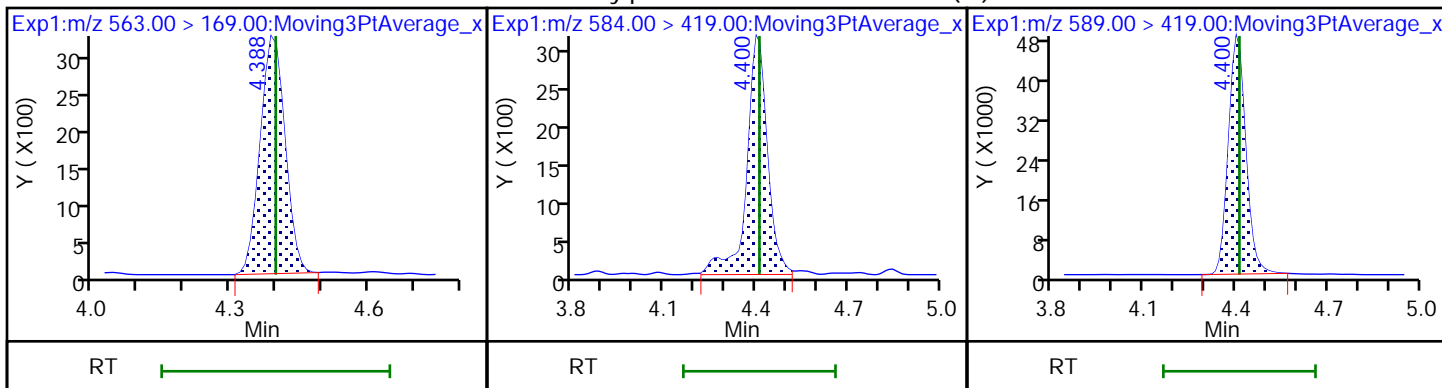
29 Perfluorodecanesulfonic acid (M) D 30 13C2 PFUnA (M)

31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid

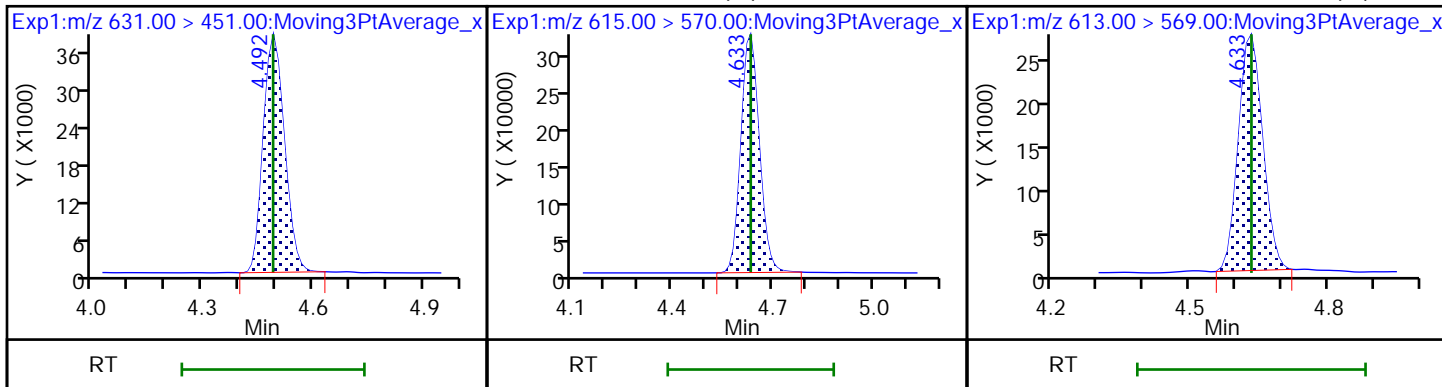
33 N-ethylperfluorooctanesulfonamid (M) 32 d5-NEtFOSAA



66 11-Chloroeicosafuoro-3-oxaundec

D 36 13C2 PFDoA (M)

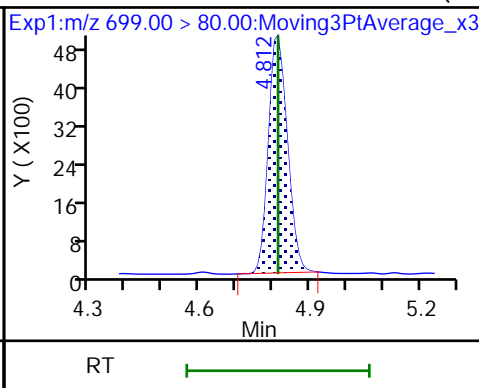
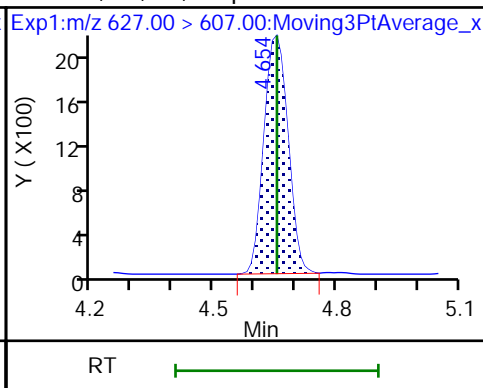
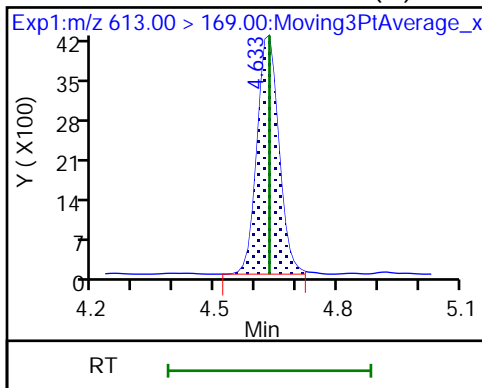
37 Perfluorododecanoic acid (M)



37 Perfluorododecanoic acid (M)

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

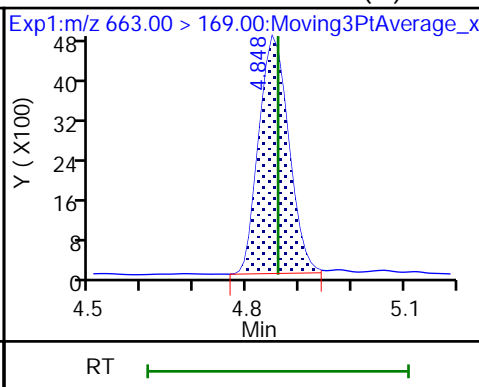
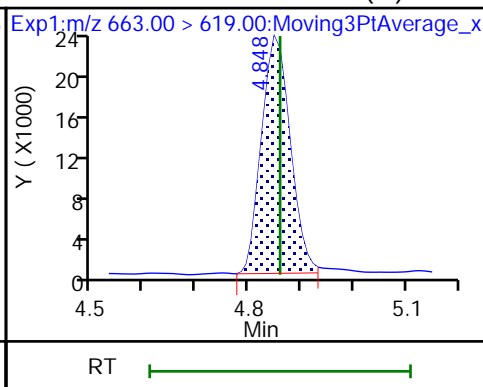
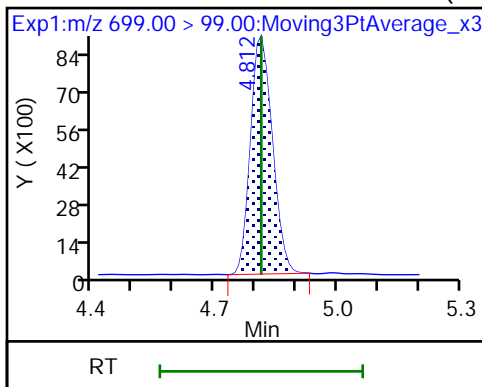
75 Perfluorododecanesulfonic acid (



75 Perfluorododecanesulfonic acid (

41 Perfluorotridecanoic acid (M)

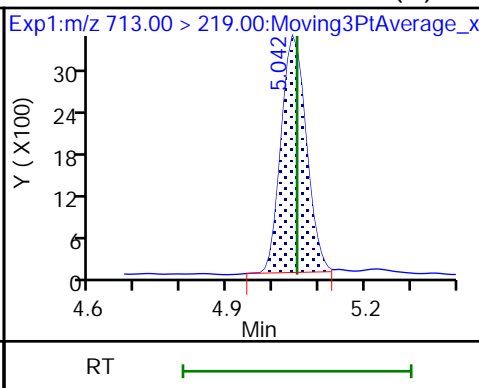
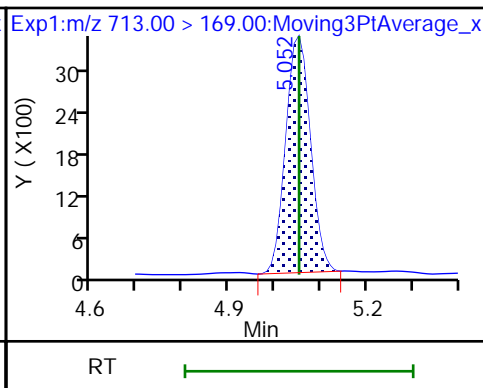
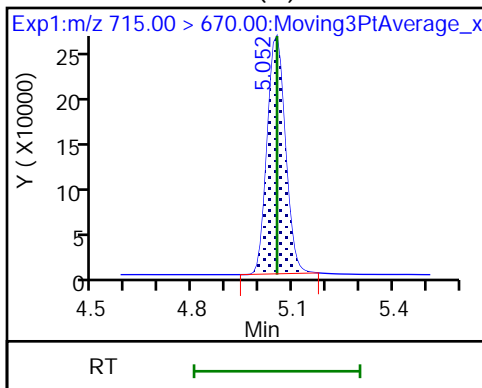
41 Perfluorotridecanoic acid (M)



D 43 13C2 PFTeDA (M)

42 Perfluorotetradecanoic acid

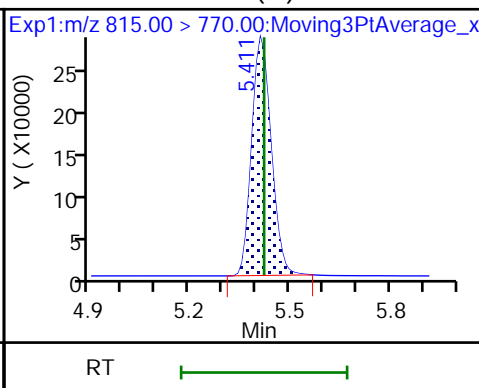
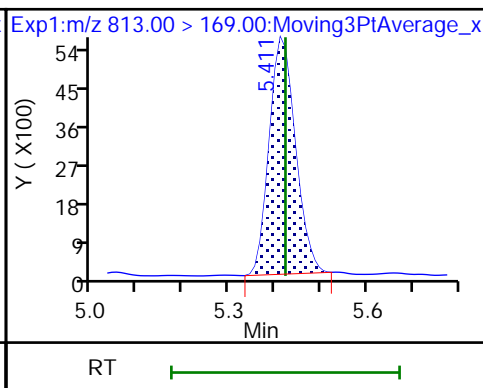
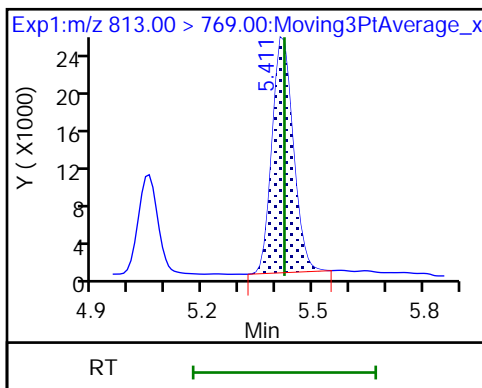
42 Perfluorotetradecanoic acid (M)



45 Perfluorohexadecanoic acid

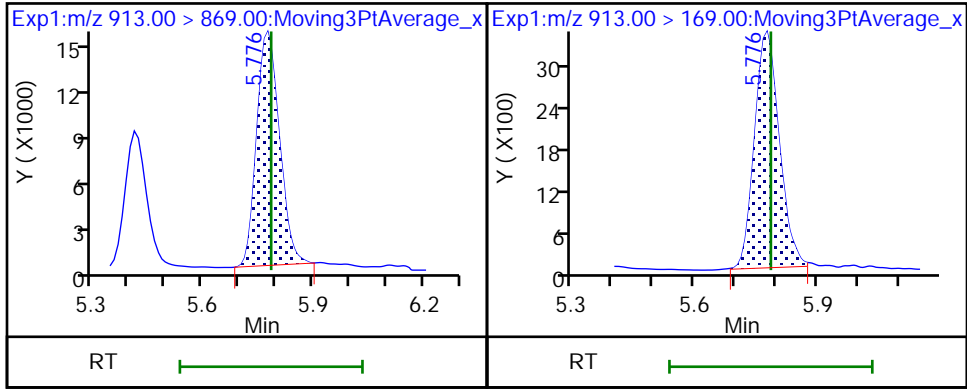
45 Perfluorohexadecanoic acid

D 44 13C2 PFHxDA (M)



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

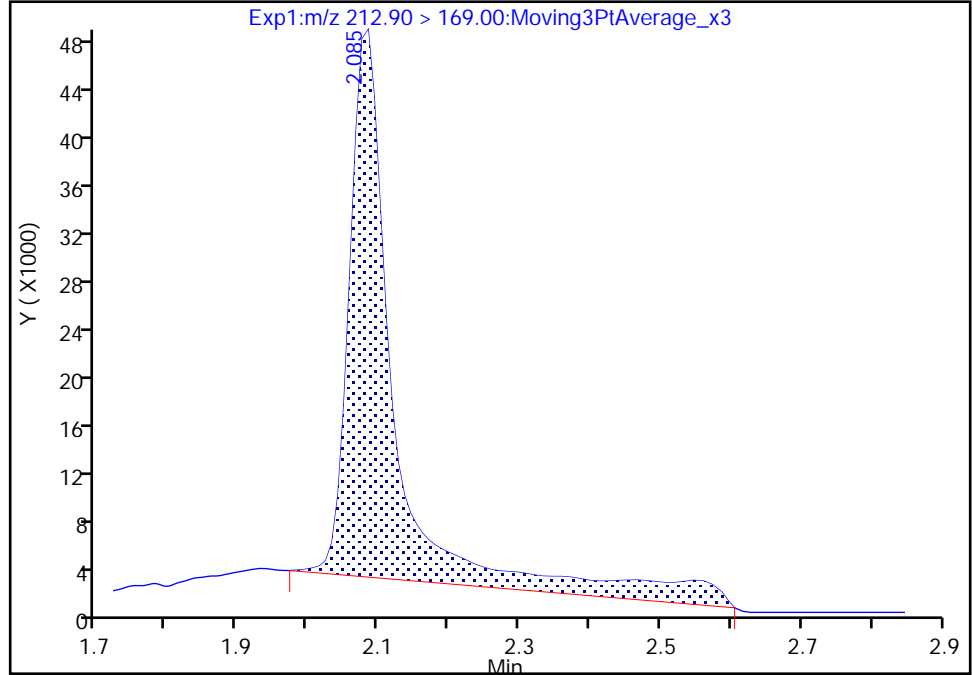
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Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

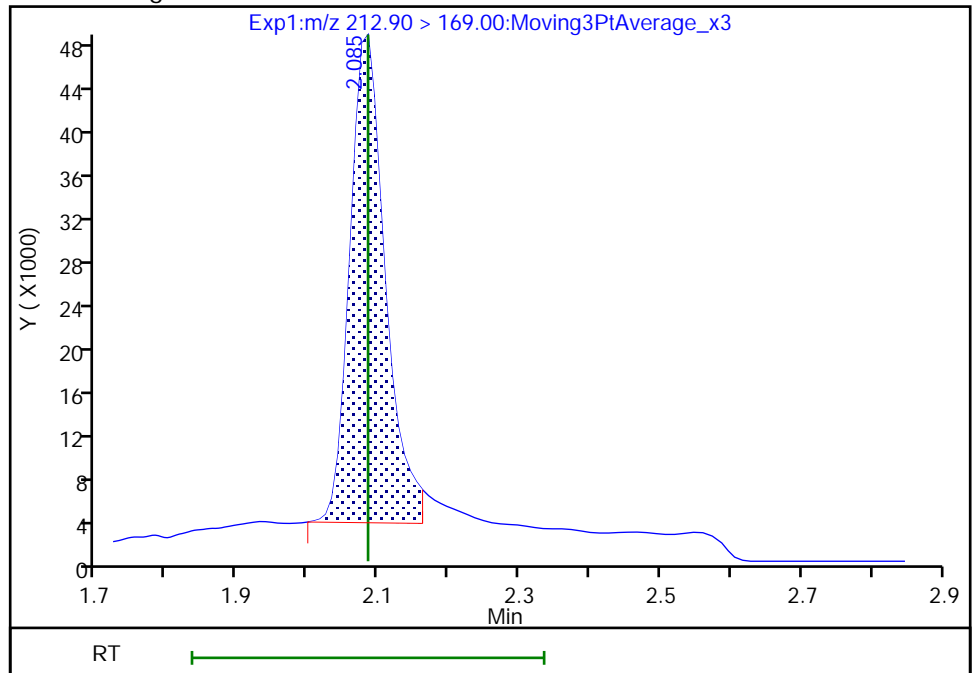
RT: 2.09
Area: 204853
Amount: 0.132742
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 154590
Amount: 0.105490
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

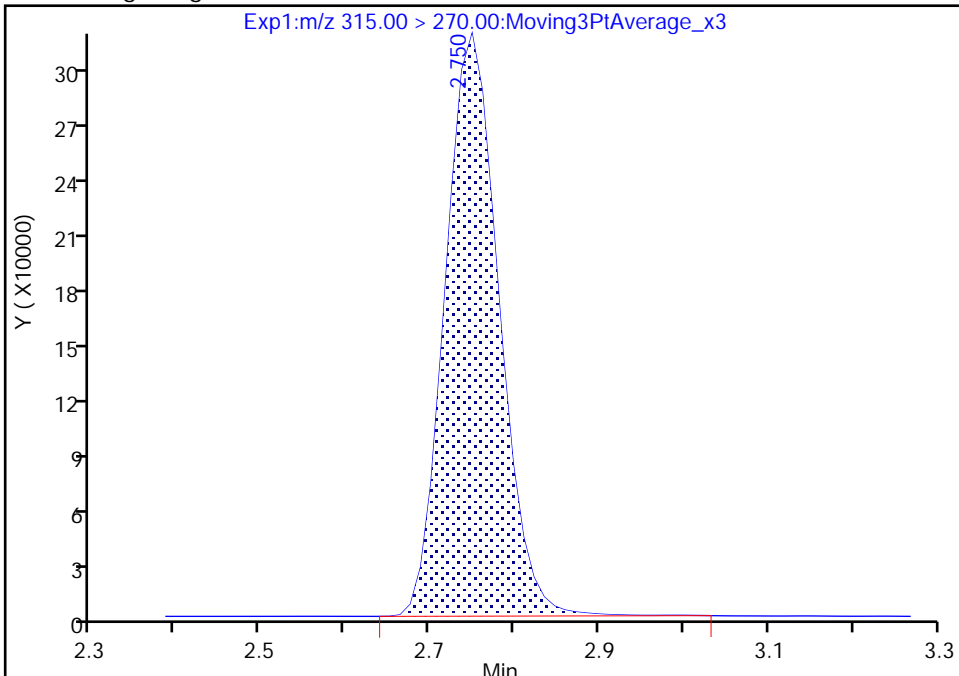
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Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 7 13C2 PFHxA, CAS: STL00993

Signal: 1

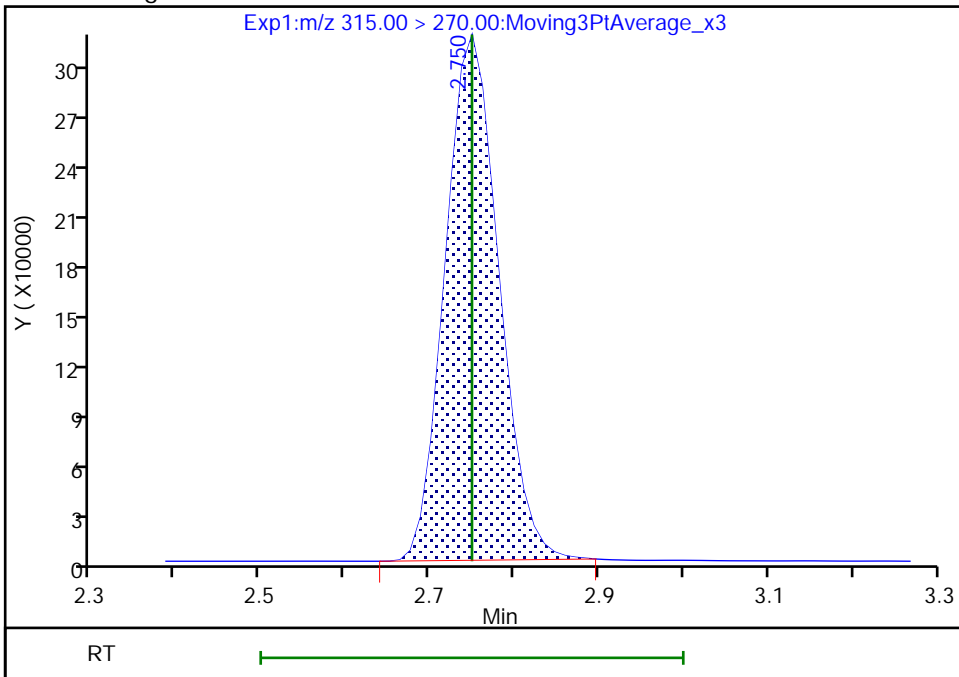
RT: 2.75
Area: 1380979
Amount: 1.276360
Amount Units: ng/ml

Processing Integration Results



RT: 2.75
Area: 1370007
Amount: 1.211108
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:30:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

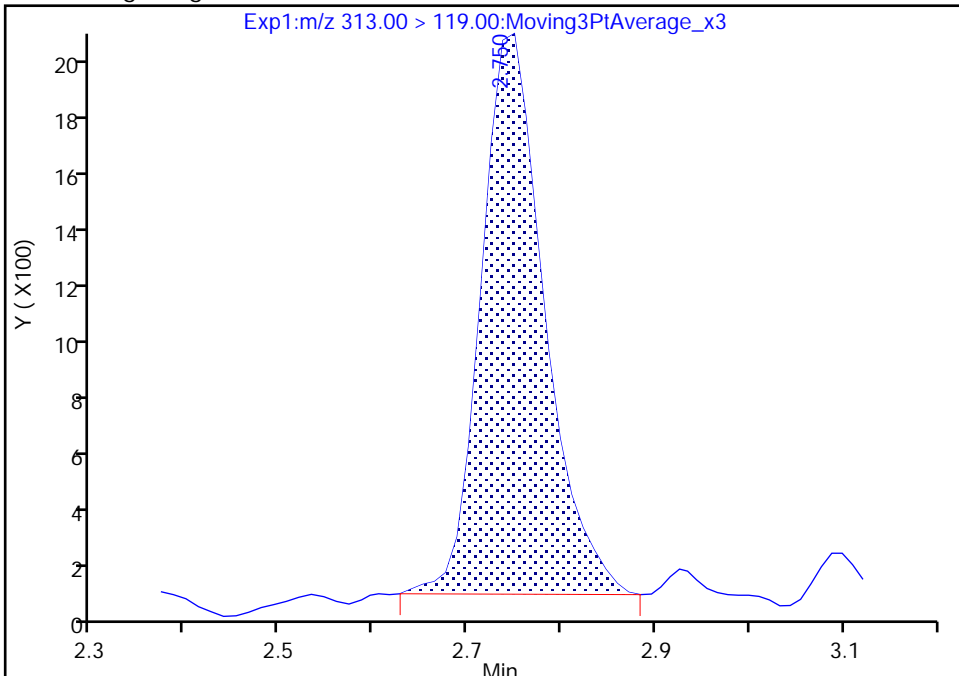
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

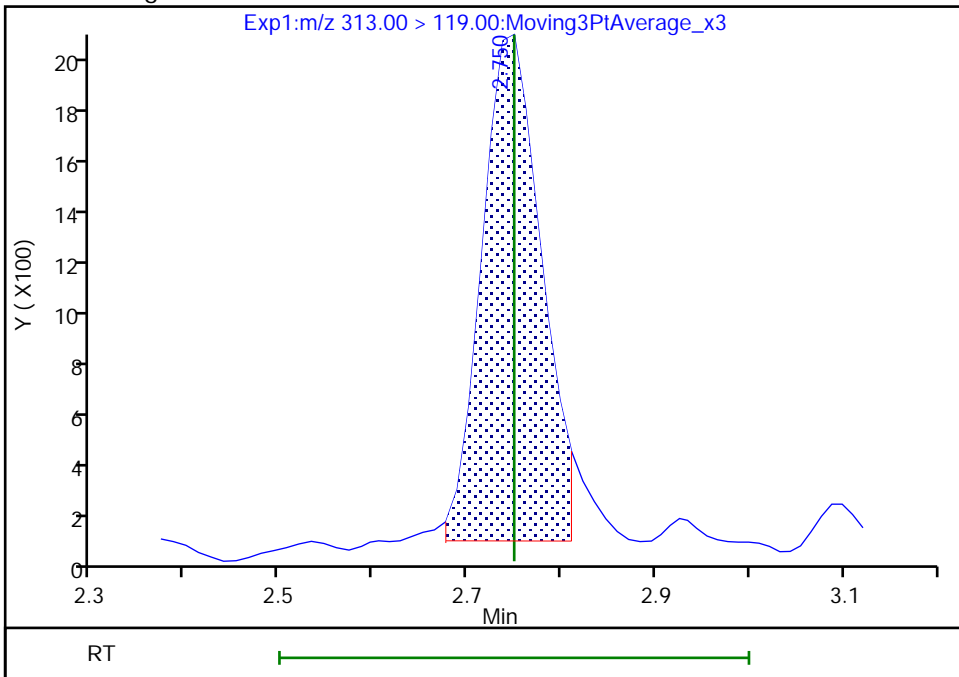
RT: 2.75
Area: 8940
Amount: 0.106334
Amount Units: ng/ml

Processing Integration Results



RT: 2.75
Area: 8345
Amount: 0.108286
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:31:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

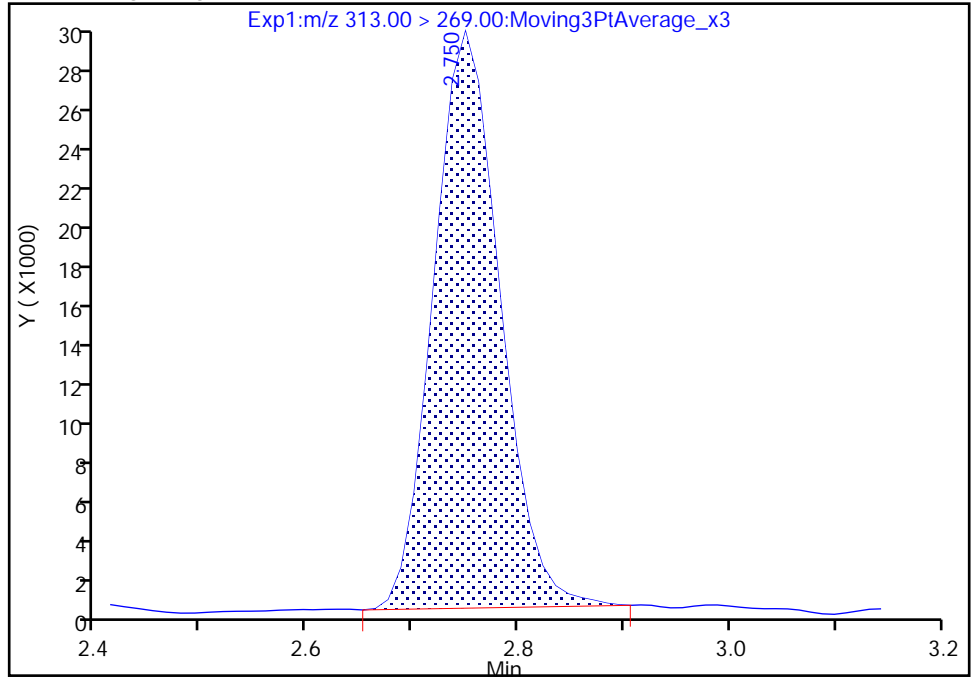
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

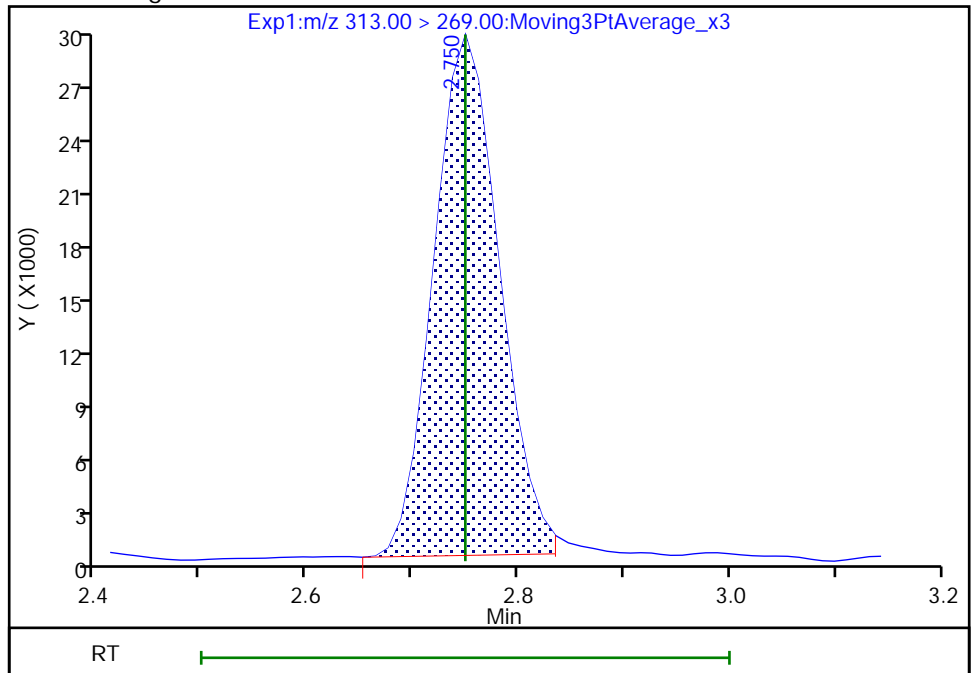
RT: 2.75
Area: 125417
Amount: 0.106334
Amount Units: ng/ml

Processing Integration Results



RT: 2.75
Area: 123840
Amount: 0.108286
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:31:23

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

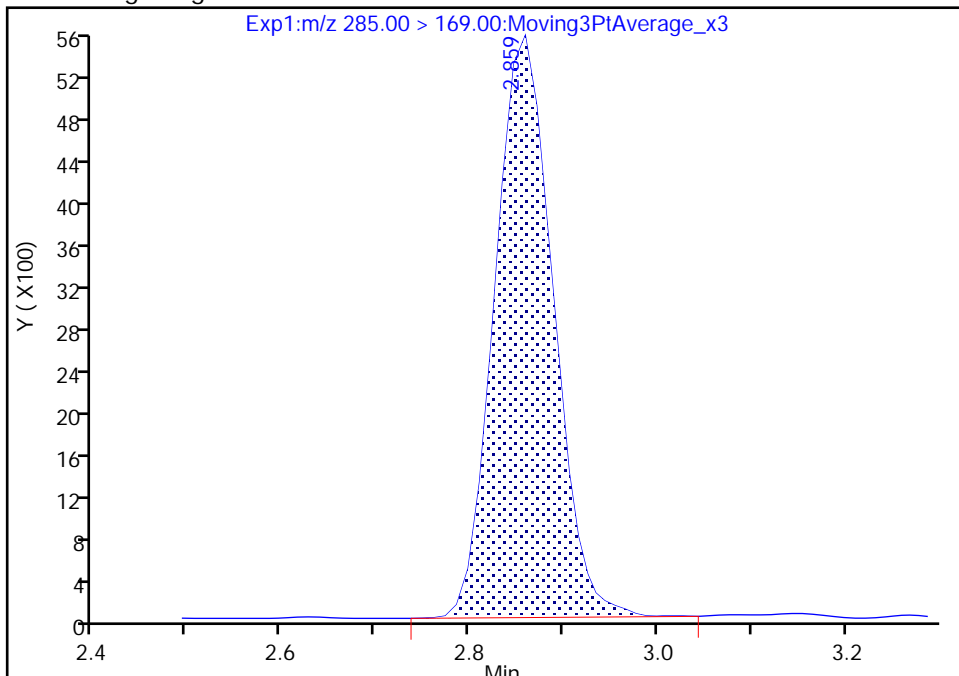
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Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

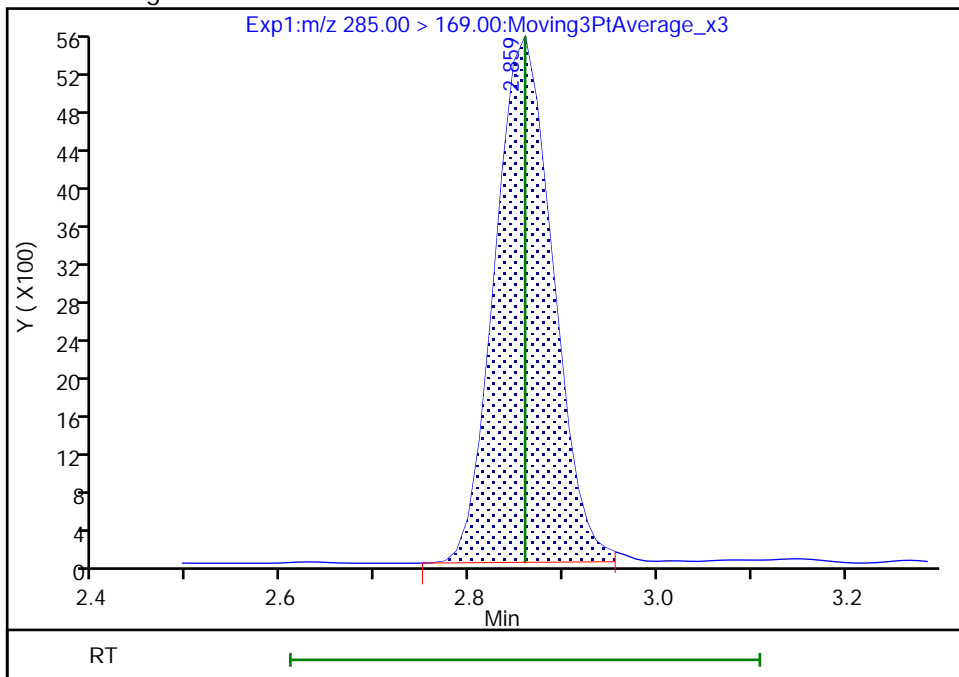
RT: 2.86
Area: 23780
Amount: 0.100286
Amount Units: ng/ml

Processing Integration Results



RT: 2.86
Area: 23635
Amount: 0.101738
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:31:37
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

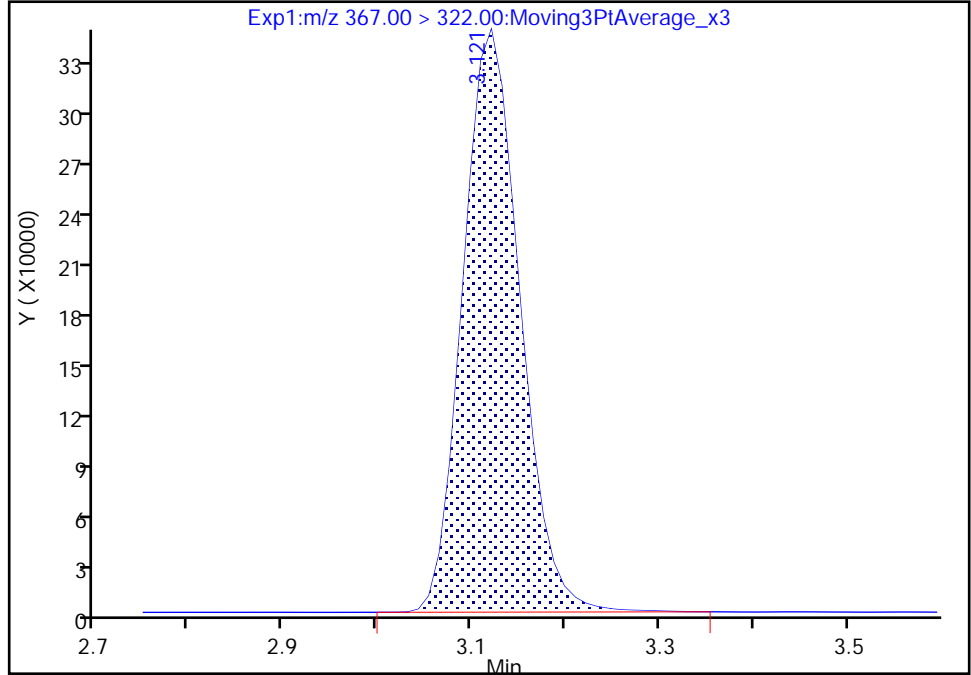
Eurofins Burlington

Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d		
Injection Date:	03-Aug-2022 13:08:29	Instrument ID:	LC812
Lims ID:	IC		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	3
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	6

D 9 13C4 PFHpA, CAS: STL01892
Signal: 1

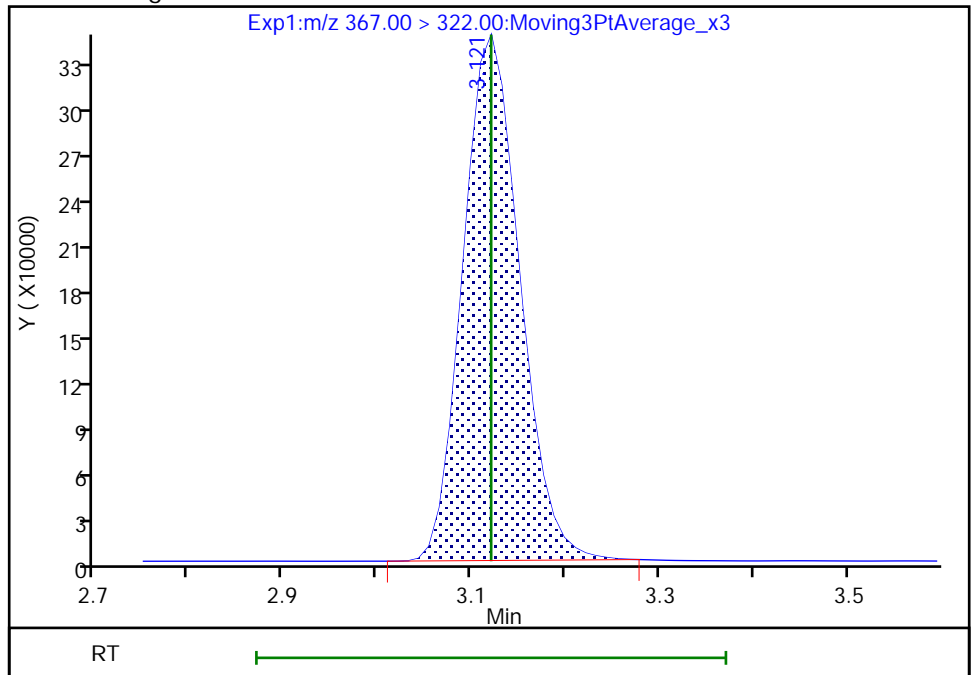
RT: 3.12
 Area: 1444587
 Amount: 1.255711
 Amount Units: ng/ml

Processing Integration Results



RT: 3.12
 Area: 1436597
 Amount: 1.224370
 Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:32:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

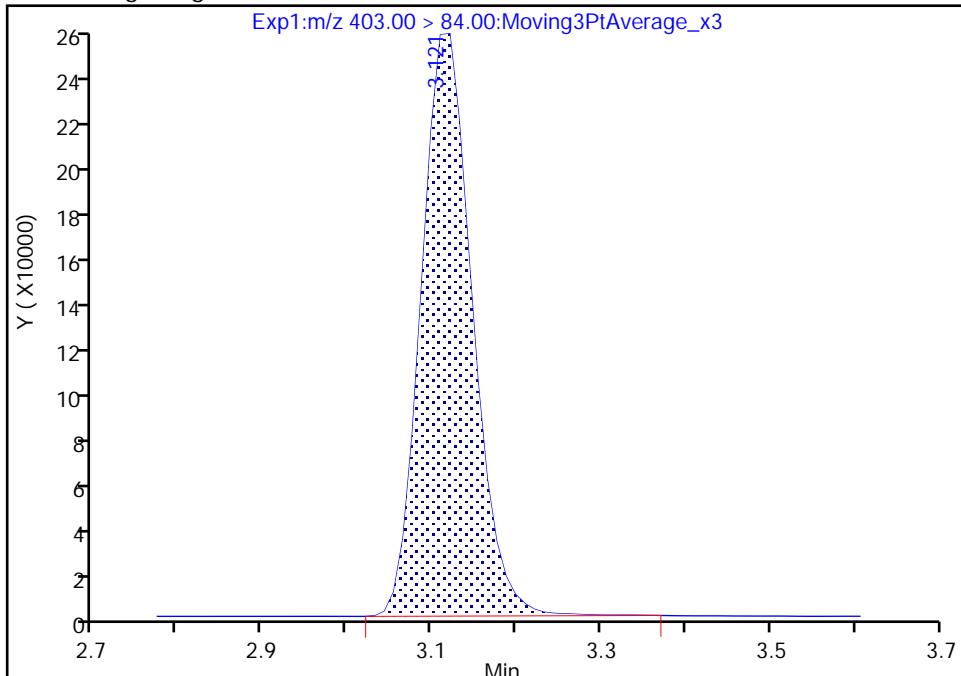
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 11 18O2 PFHxS, CAS: STL00994

Signal: 1

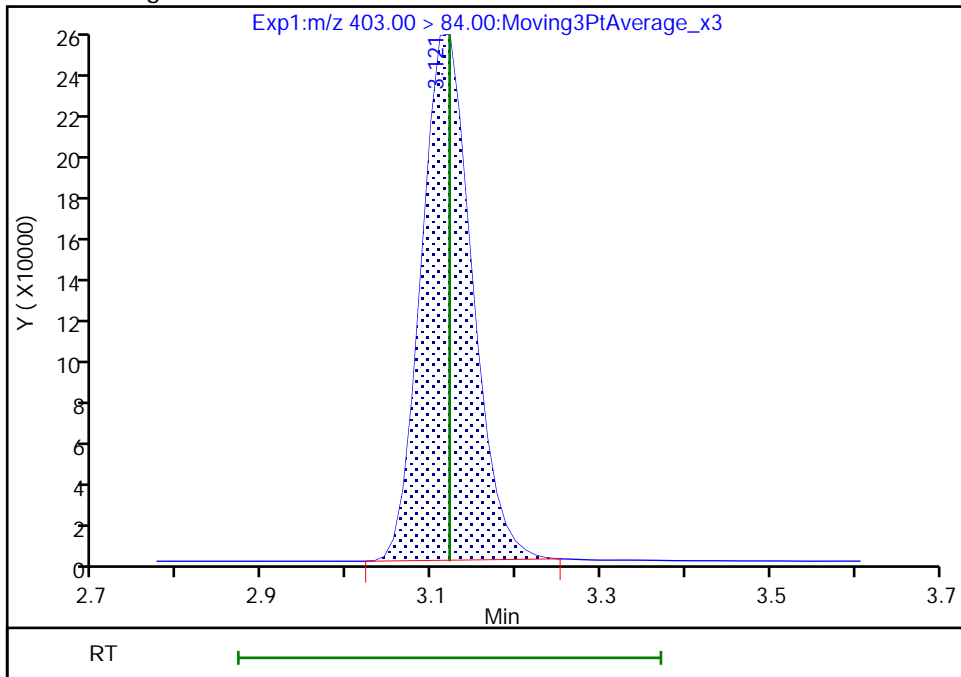
RT: 3.12
Area: 1065166
Amount: 0.980285
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 1056649
Amount: 1.145977
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:32:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

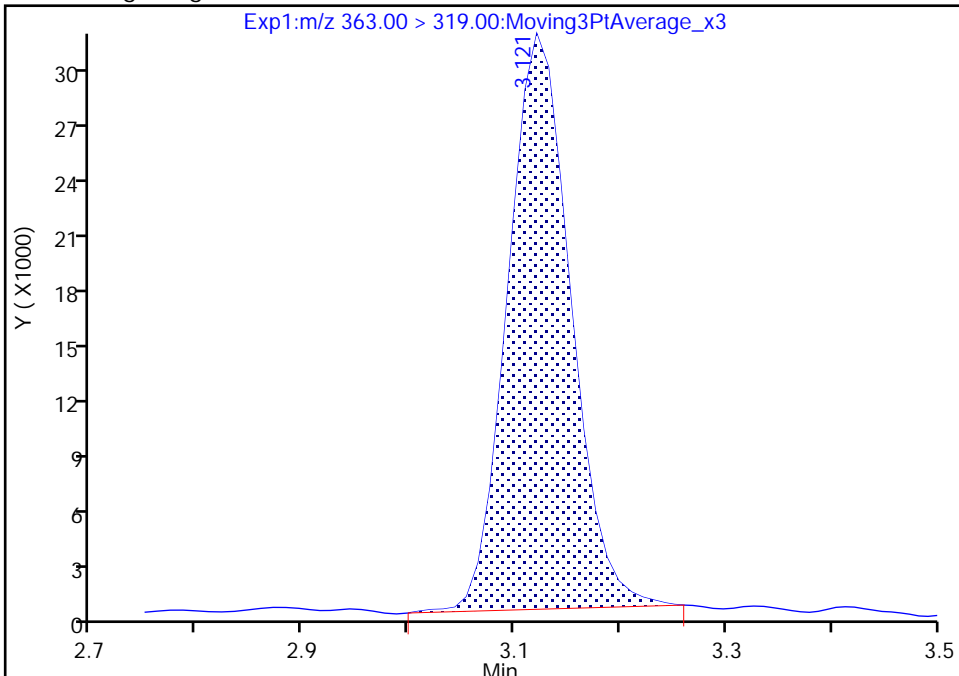
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

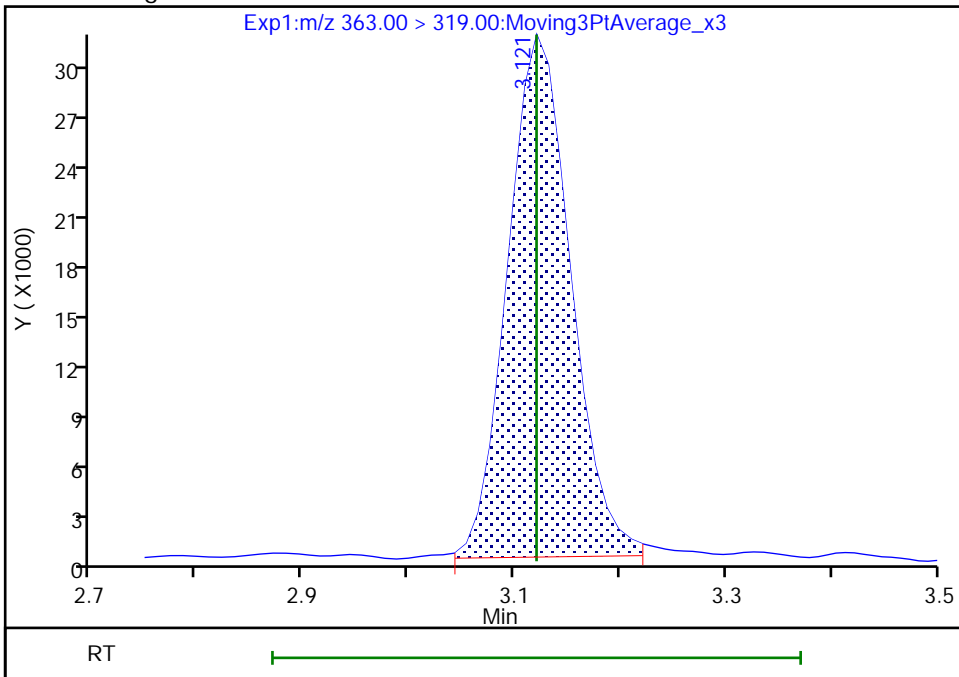
RT: 3.12
Area: 125042
Amount: 0.105137
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 125739
Amount: 0.106159
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:32:39
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

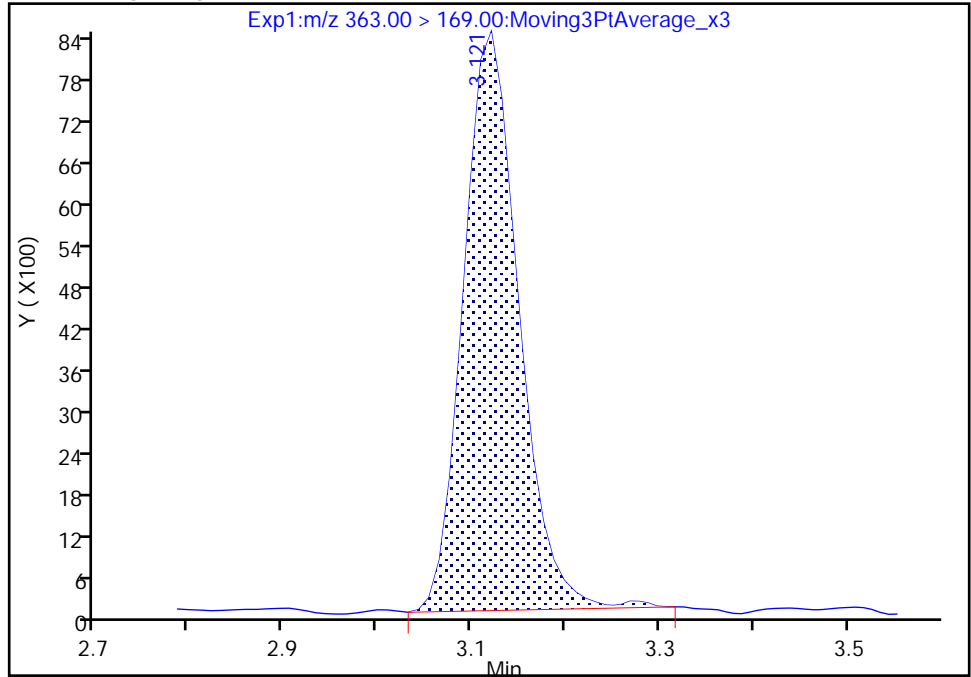
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

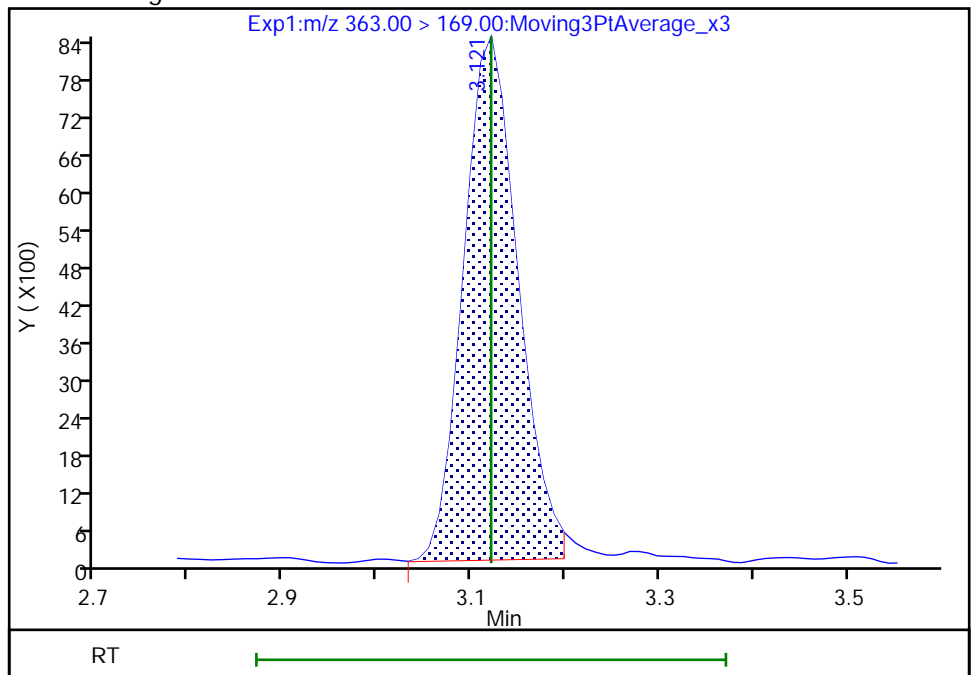
RT: 3.12
Area: 34197
Amount: 0.105137
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 33556
Amount: 0.106159
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:32:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

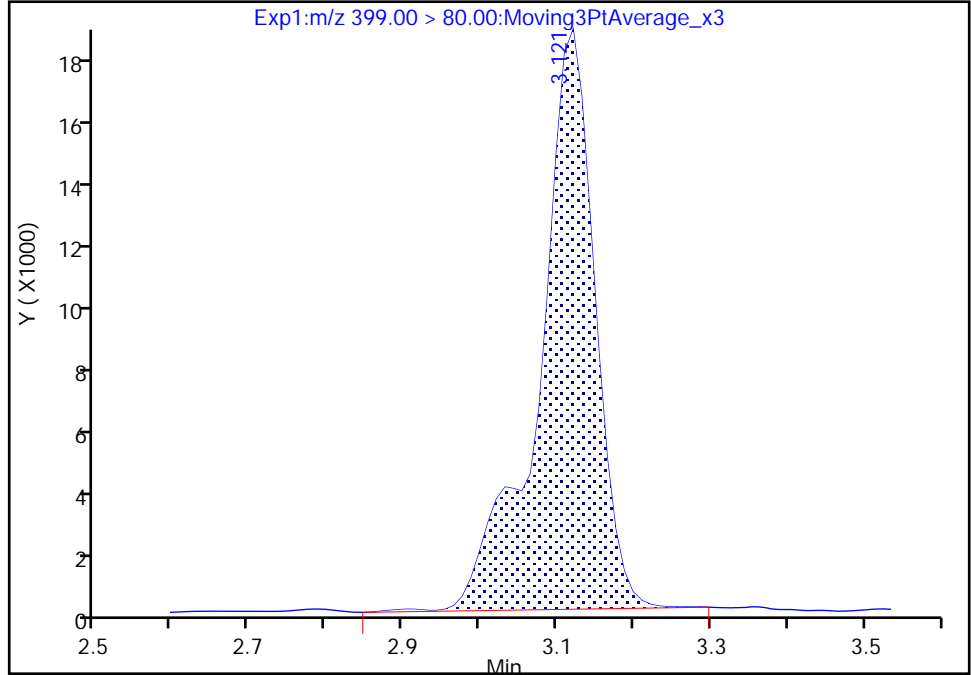
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

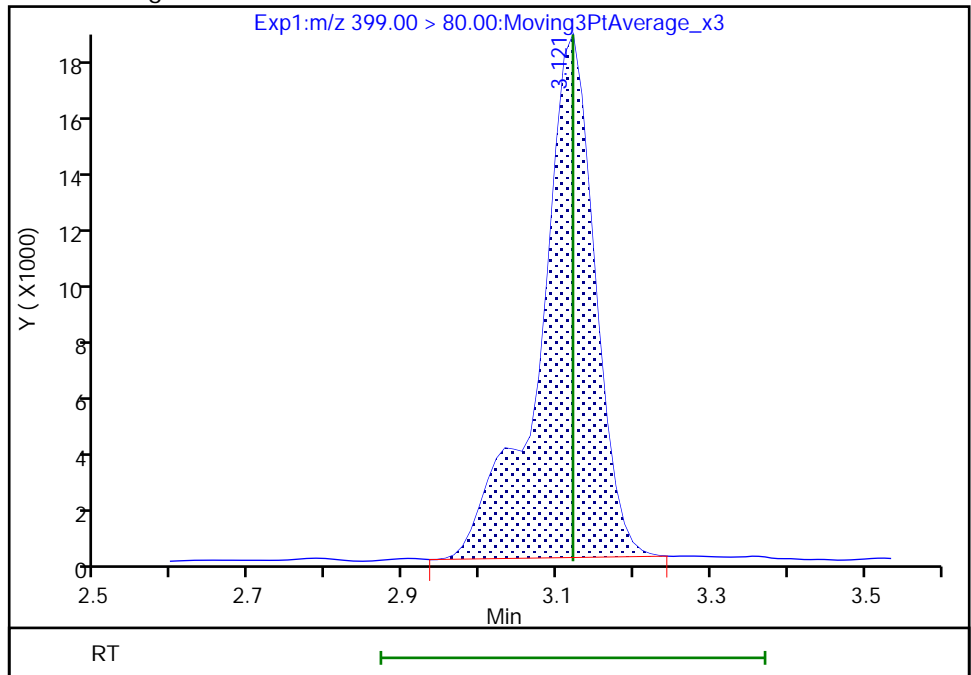
RT: 3.12
Area: 94252
Amount: 0.094092
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 93371
Amount: 0.094739
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:31:45
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

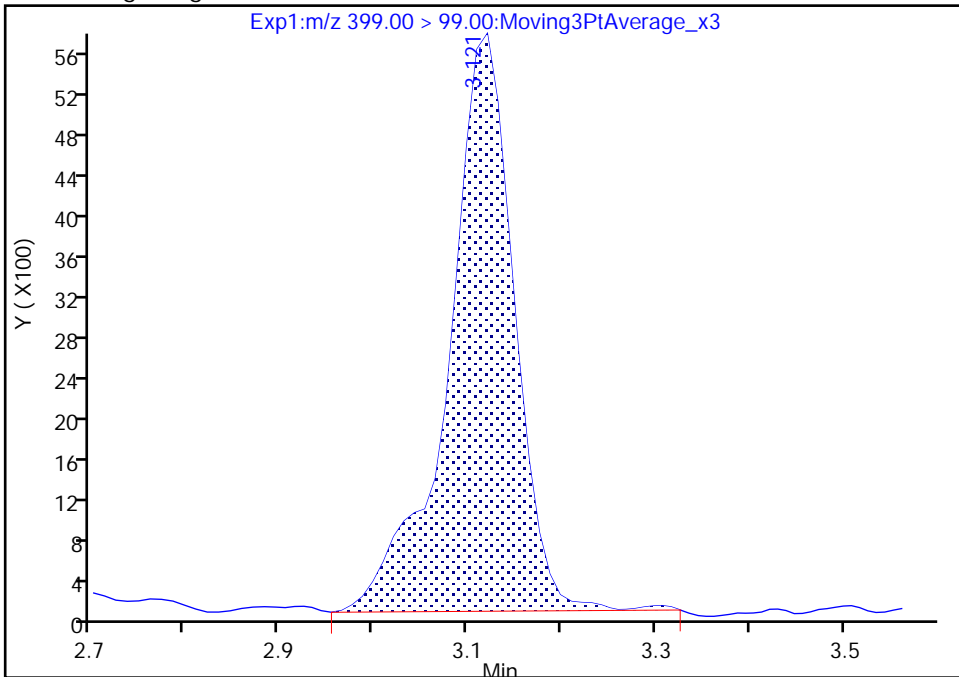
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

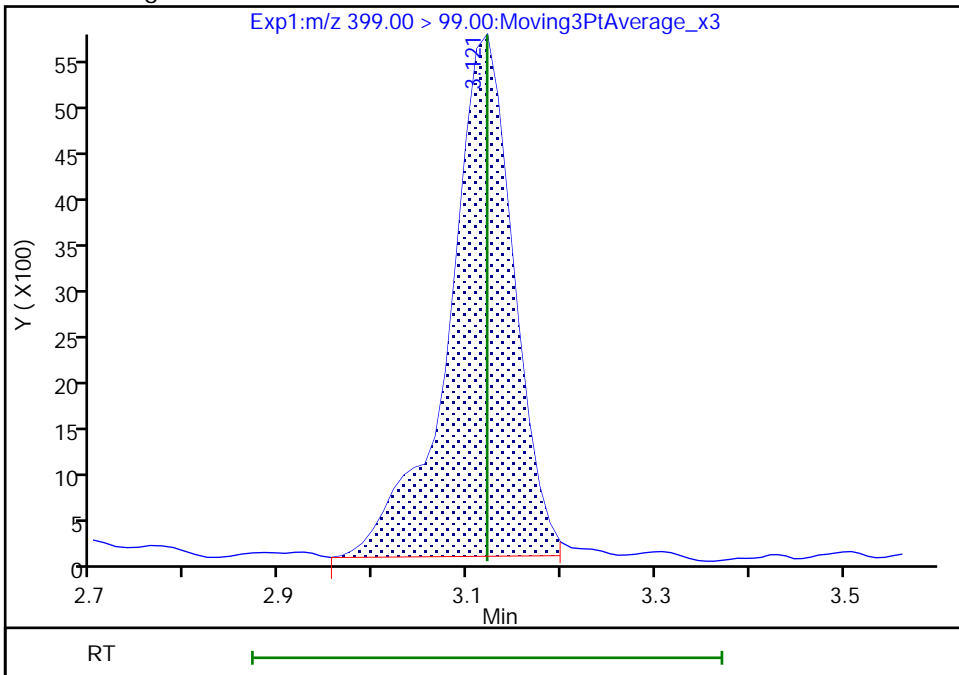
RT: 3.12
Area: 27183
Amount: 0.094092
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 26787
Amount: 0.094739
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:31:53

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

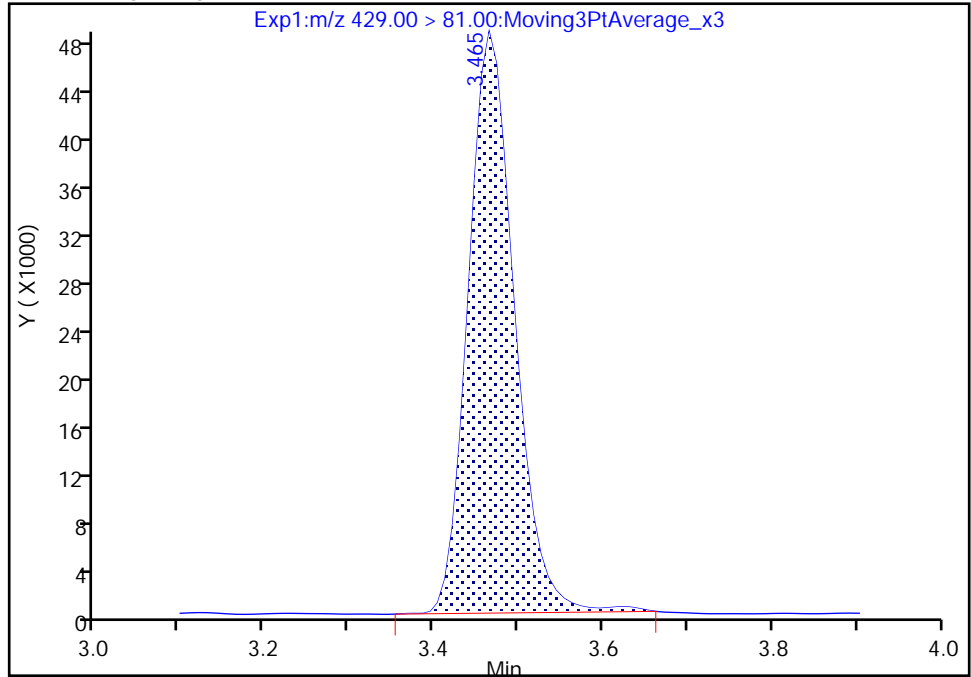
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 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 12 M2-6:2 FTS, CAS: STL02279
Signal: 1

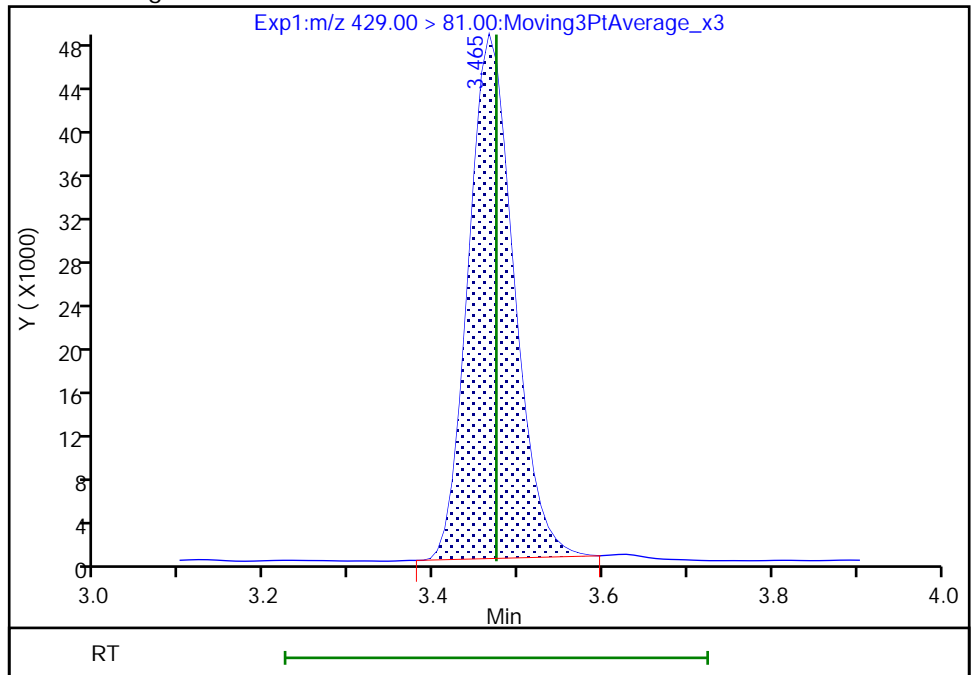
RT: 3.47
Area: 184487
Amount: 1.029828
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 181082
Amount: 1.173379
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:32:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

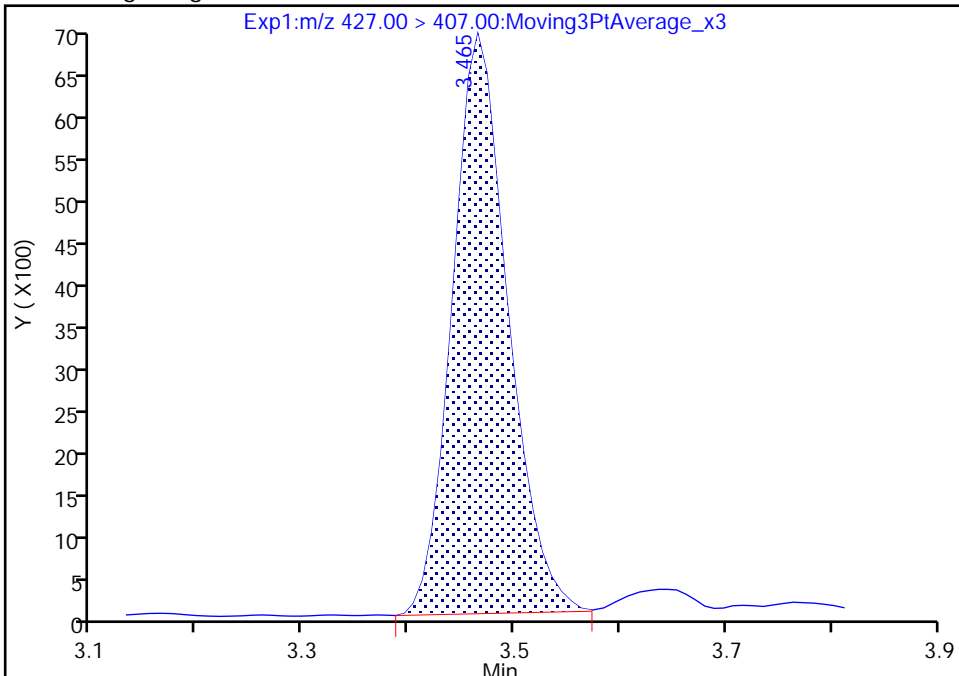
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

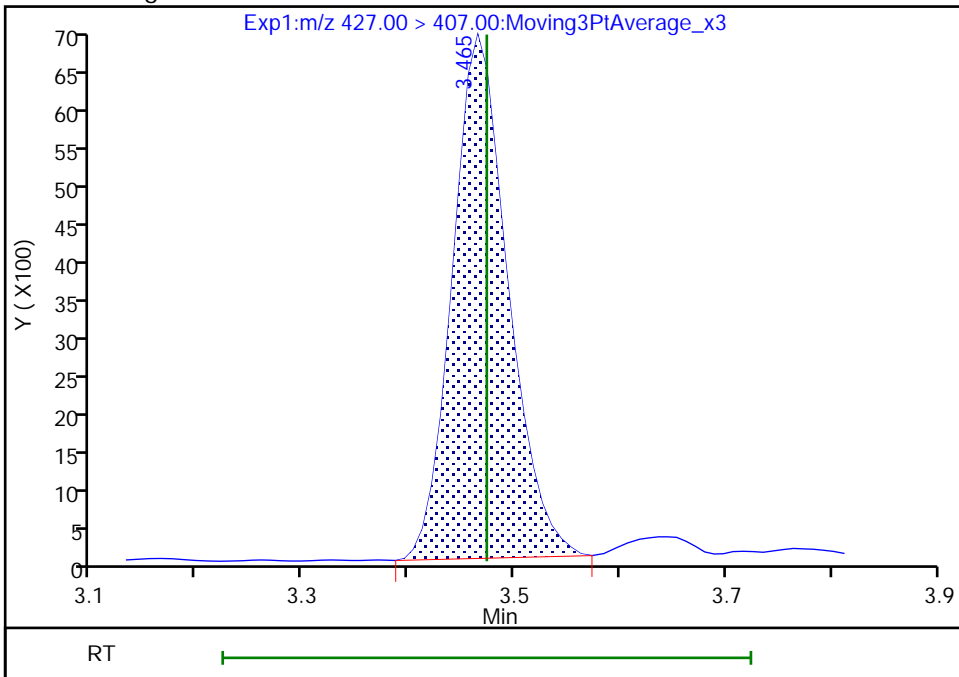
RT: 3.47
Area: 25394
Amount: 0.095907
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 25321
Amount: 0.097144
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:33:29
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

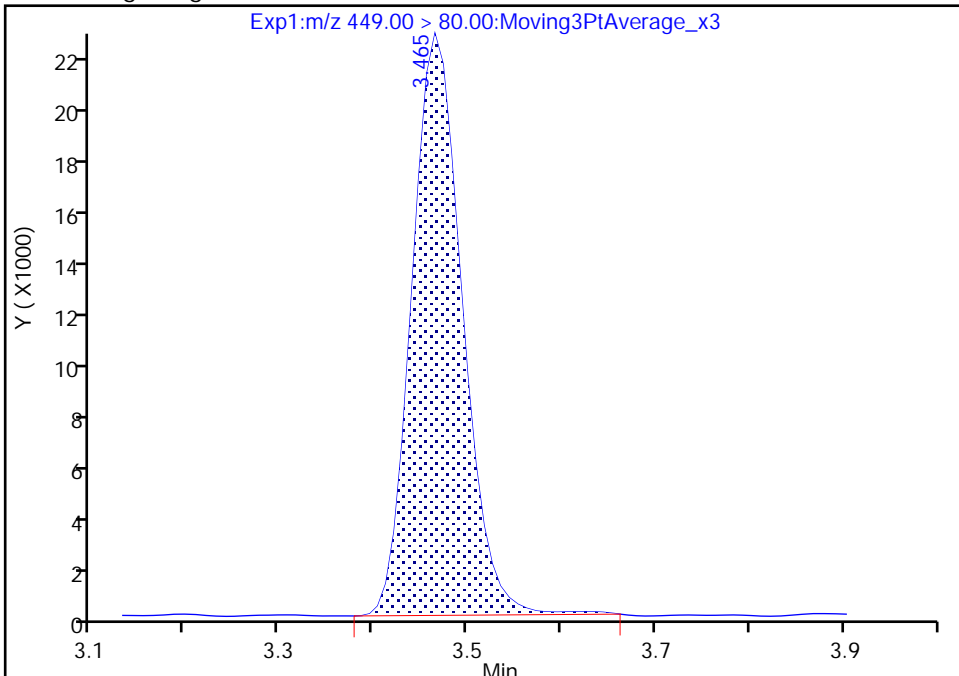
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

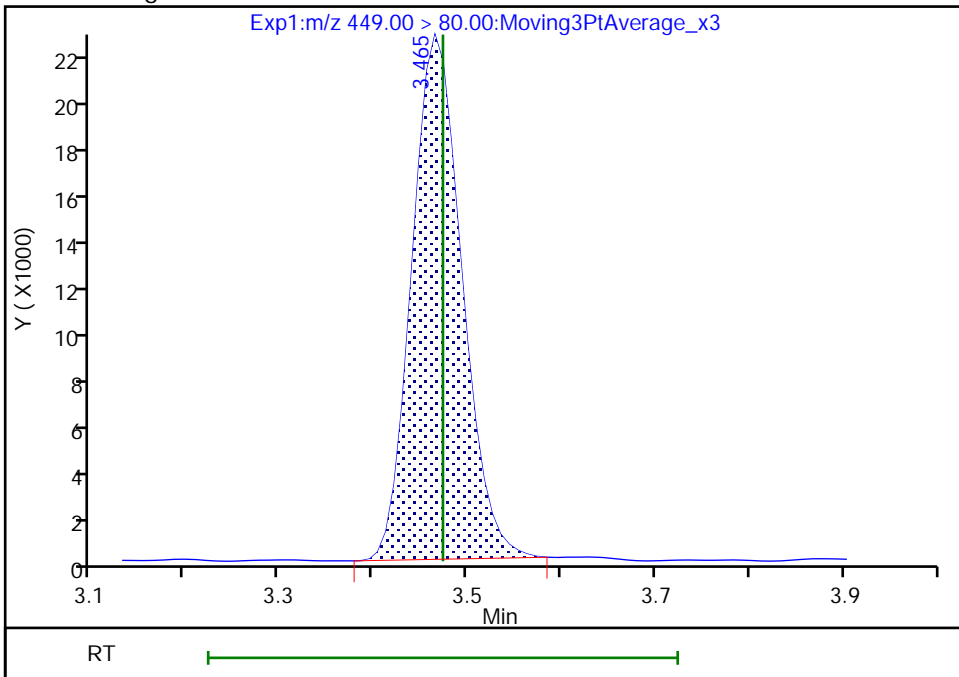
RT: 3.47
Area: 84953
Amount: 0.097992
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 83914
Amount: 0.096496
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:33:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

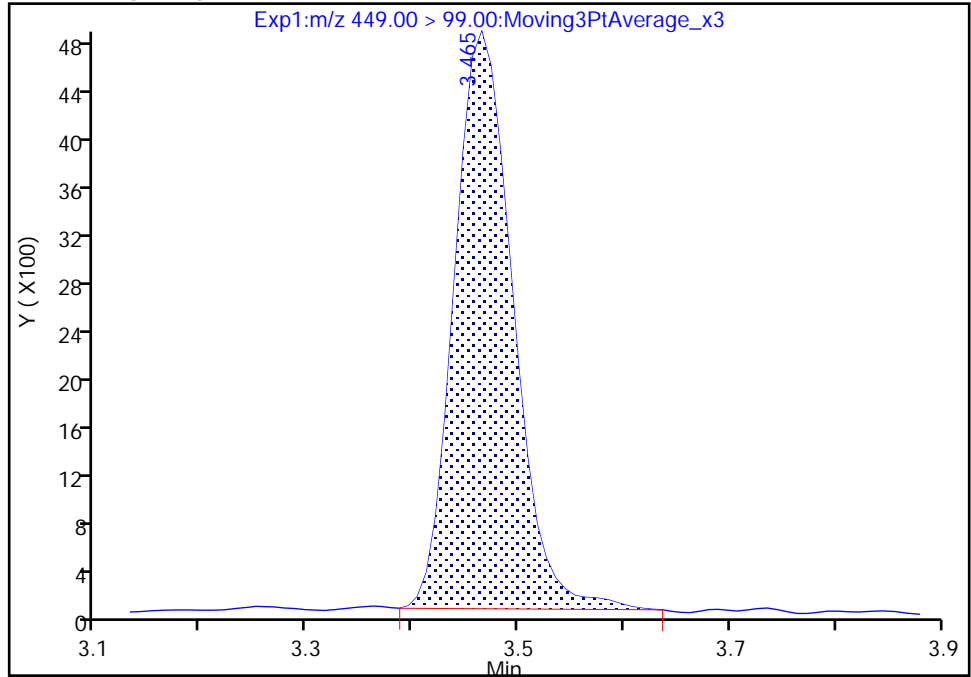
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

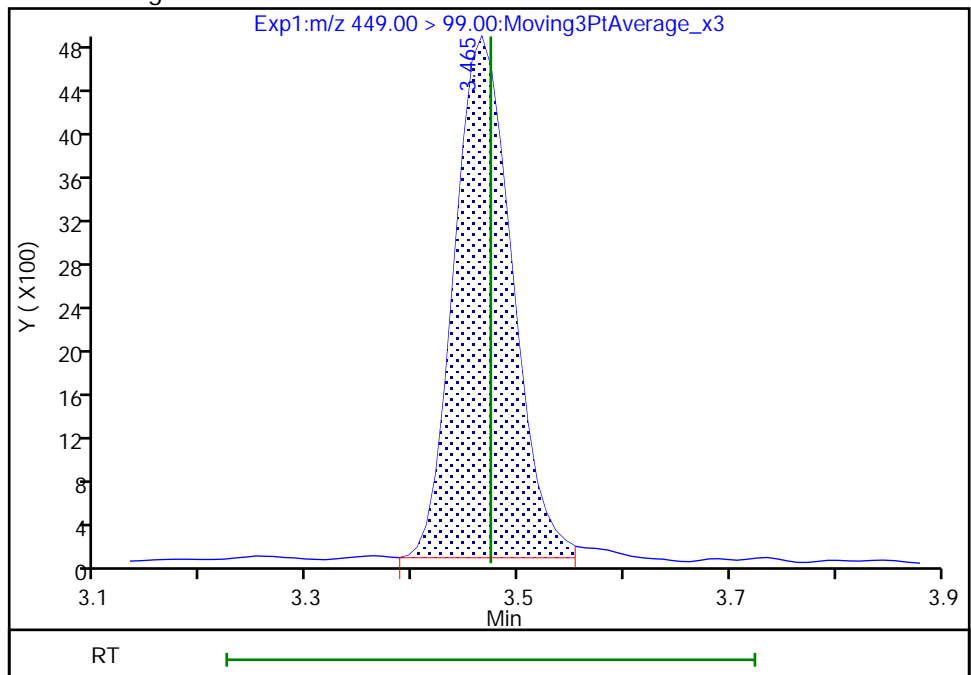
RT: 3.47
Area: 18392
Amount: 0.097992
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 18089
Amount: 0.096496
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:33:21

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

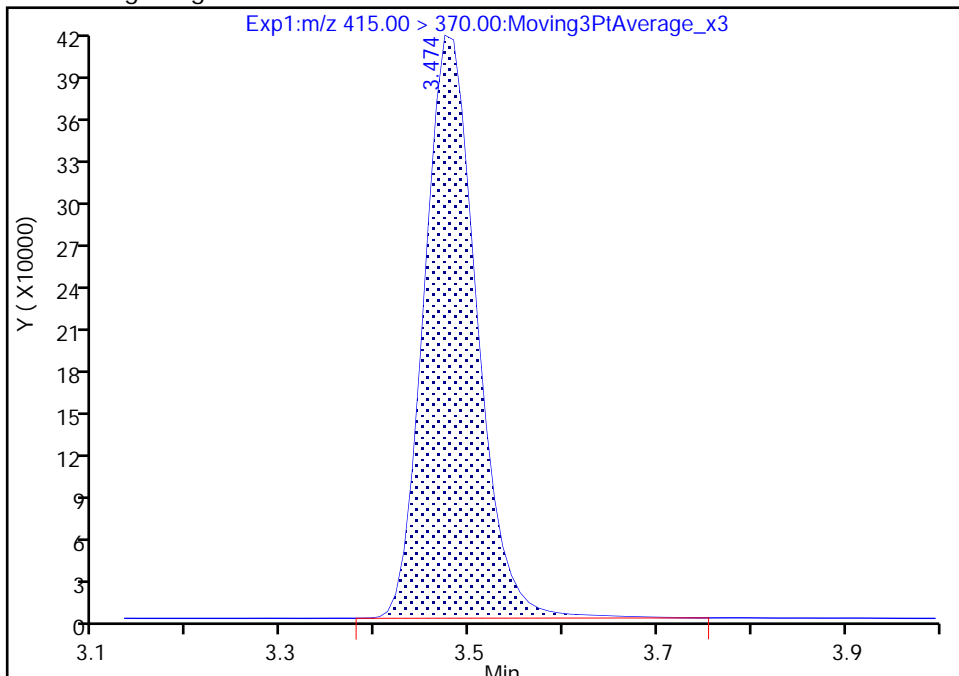
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

* 62 13C2 PFOA, CAS: STL00623

Signal: 1

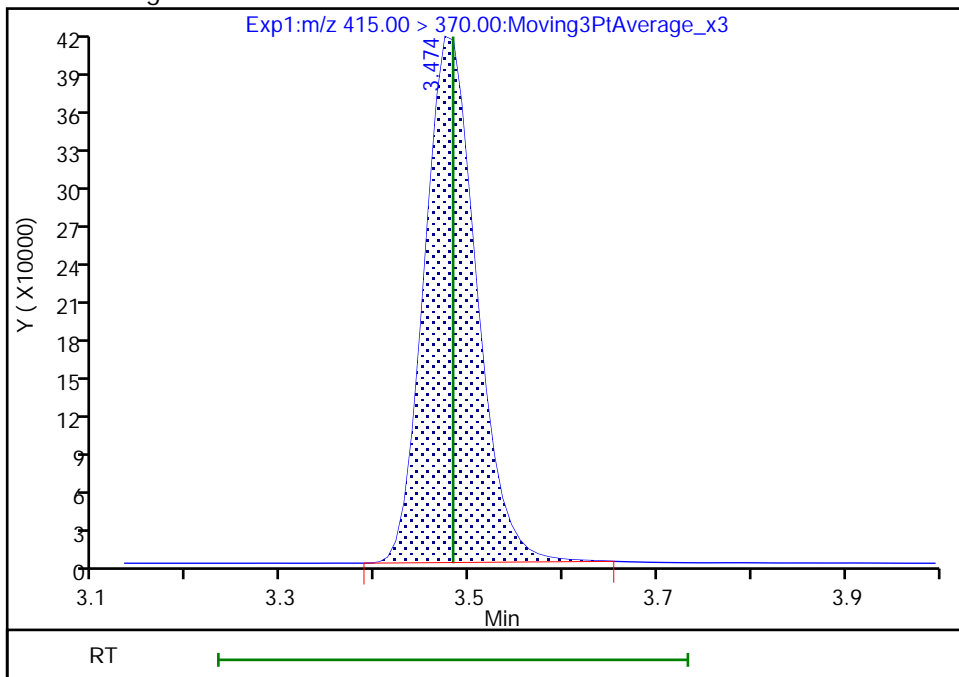
RT: 3.47
Area: 1589998
Amount: 1.250000
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 1577768
Amount: 1.250000
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:33:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

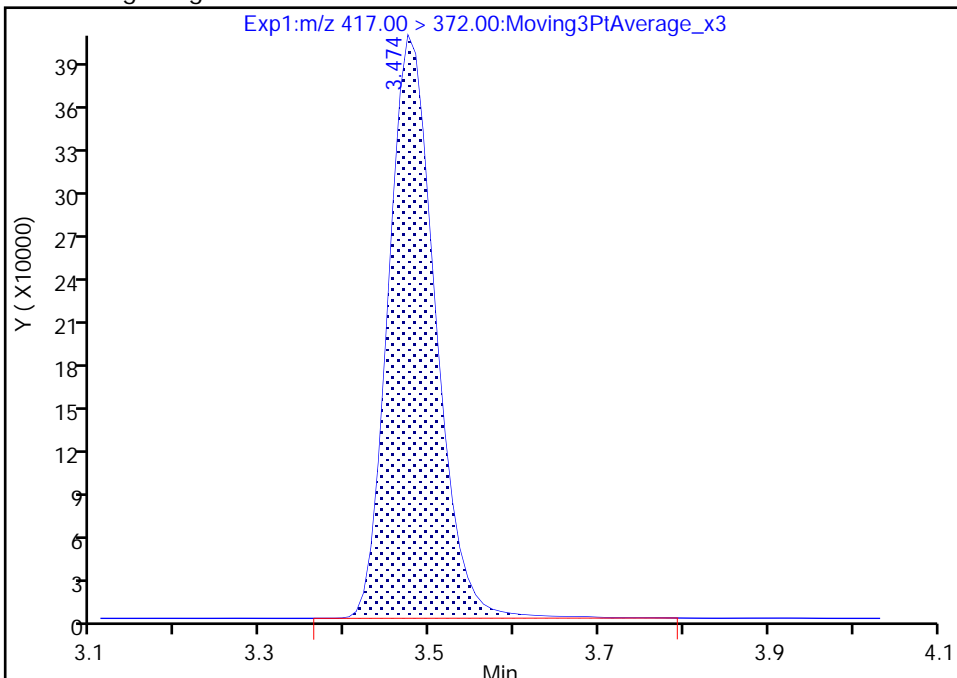
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

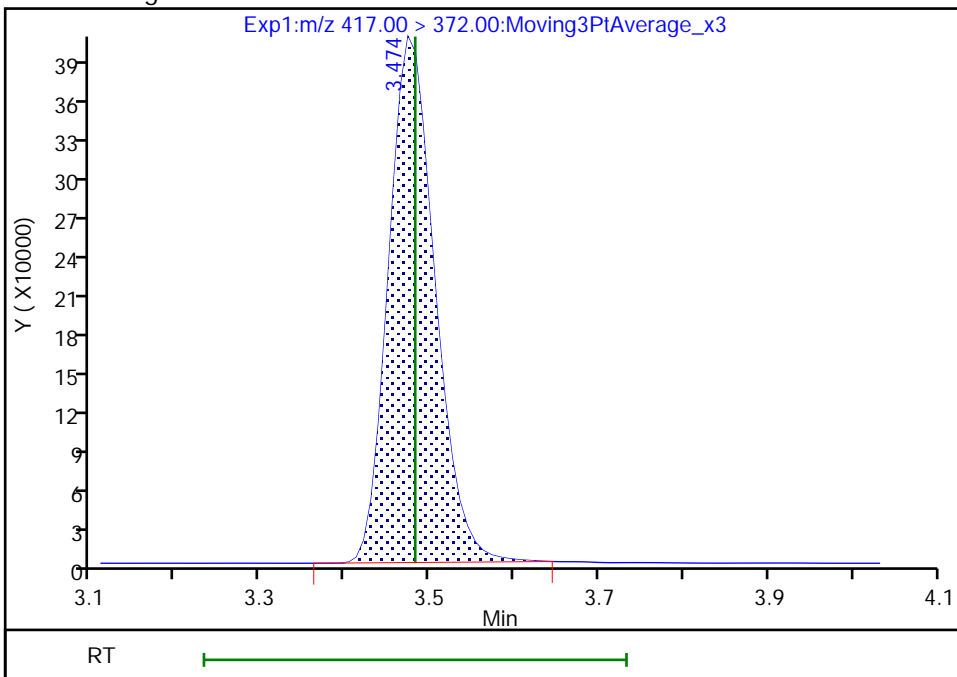
RT: 3.47
Area: 1563622
Amount: 1.313348
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 1549546
Amount: 1.288821
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:33:52
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

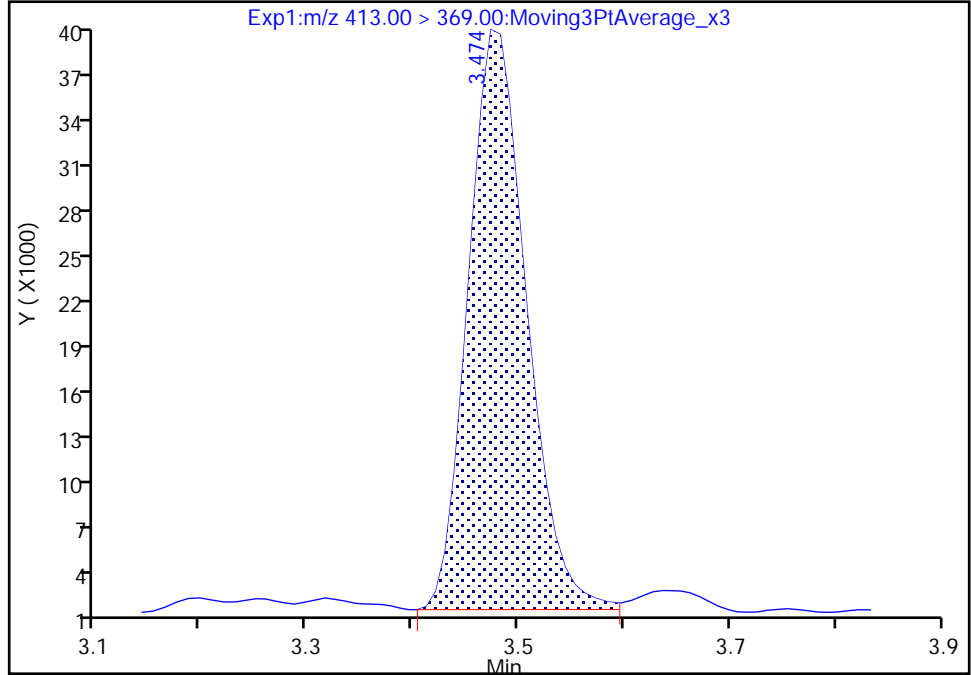
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

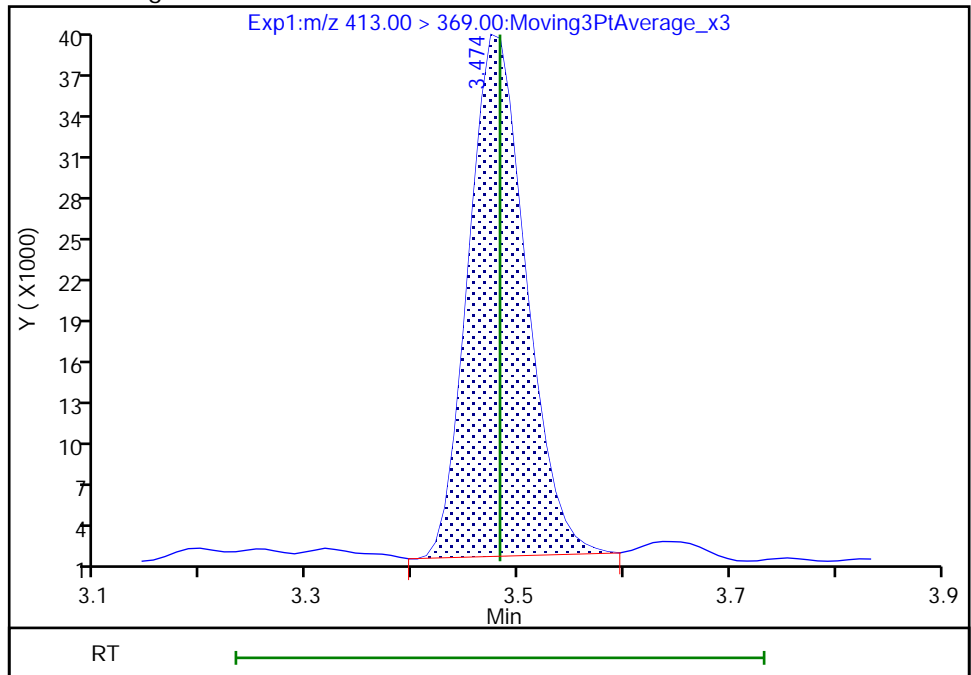
RT: 3.47
Area: 144067
Amount: 0.101370
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 141576
Amount: 0.101844
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:34:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

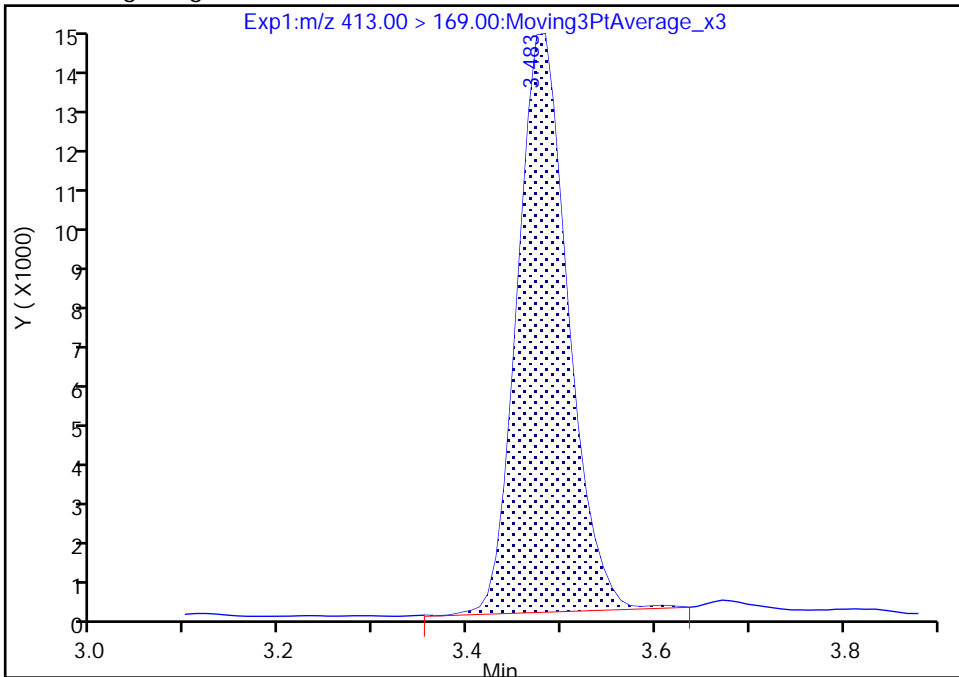
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

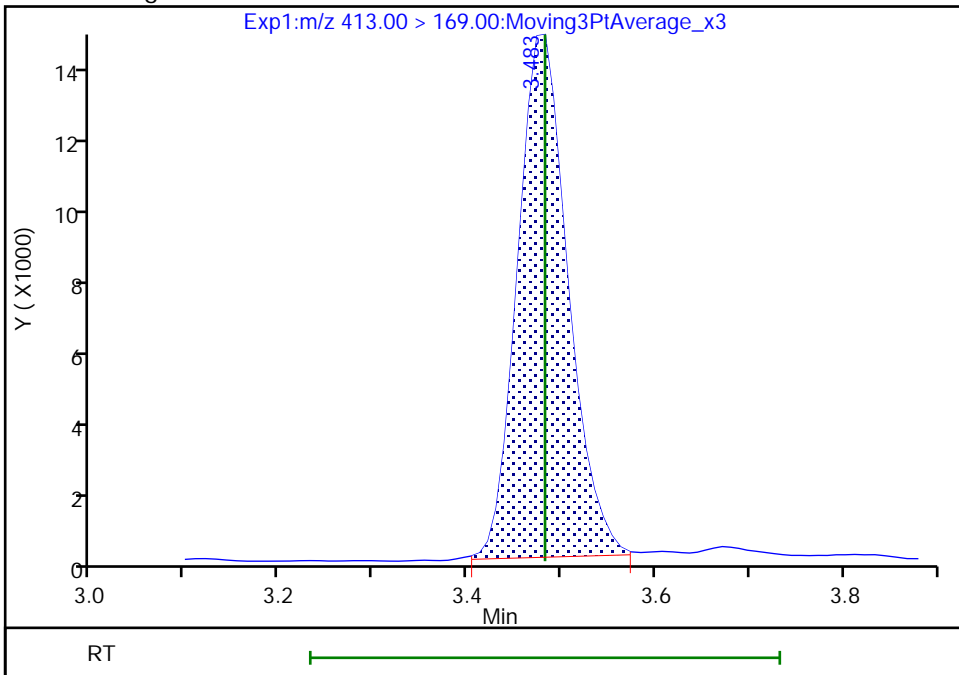
RT: 3.48
Area: 53590
Amount: 0.101370
Amount Units: ng/ml

Processing Integration Results



RT: 3.48
Area: 53235
Amount: 0.101844
Amount Units: ng/ml

Manual Integration Results



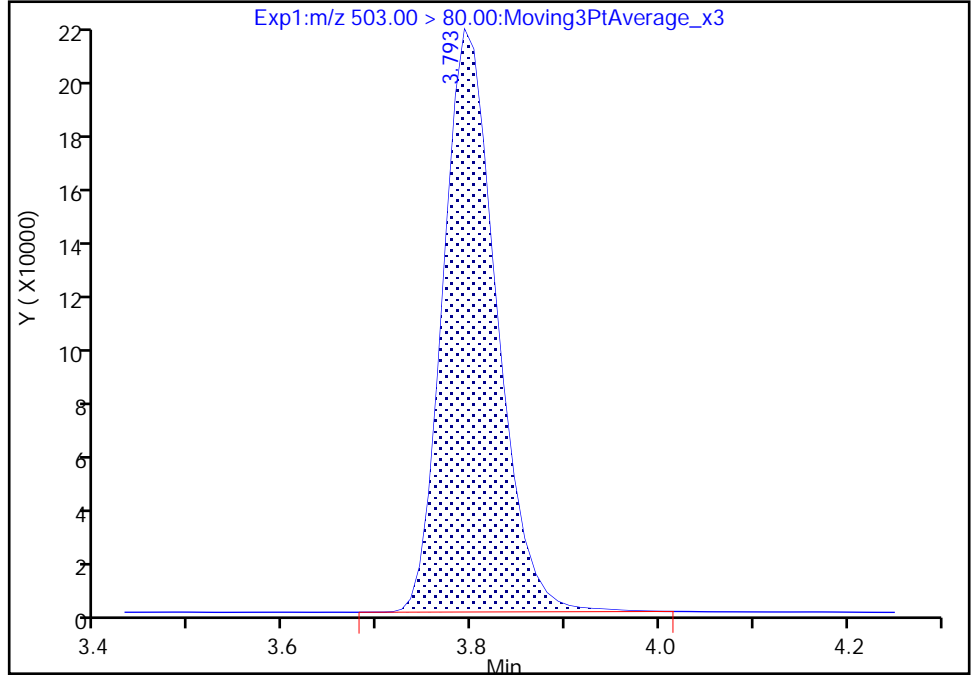
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 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 18 13C4 PFOS, CAS: STL00991
Signal: 1

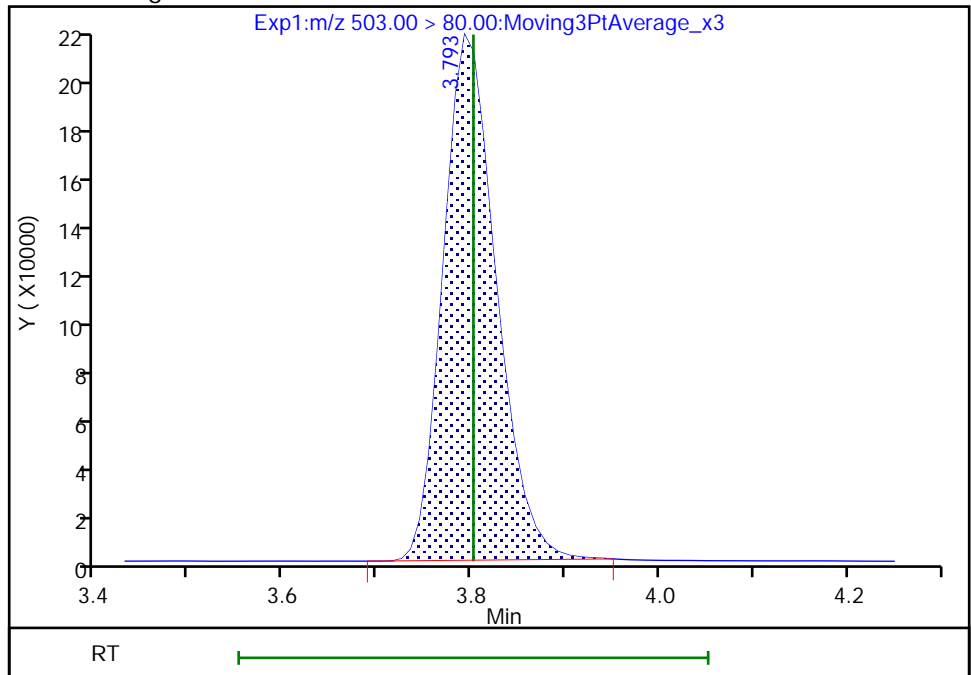
RT: 3.79
Area: 846962
Amount: 1.001046
Amount Units: ng/ml

Processing Integration Results



RT: 3.79
Area: 840757
Amount: 1.221160
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:34:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

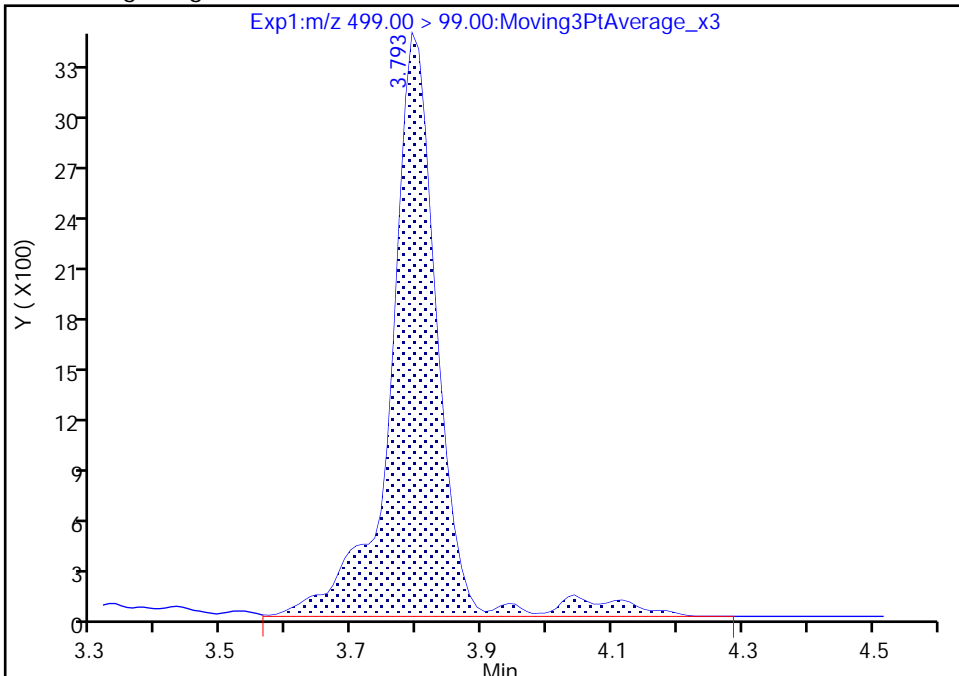
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

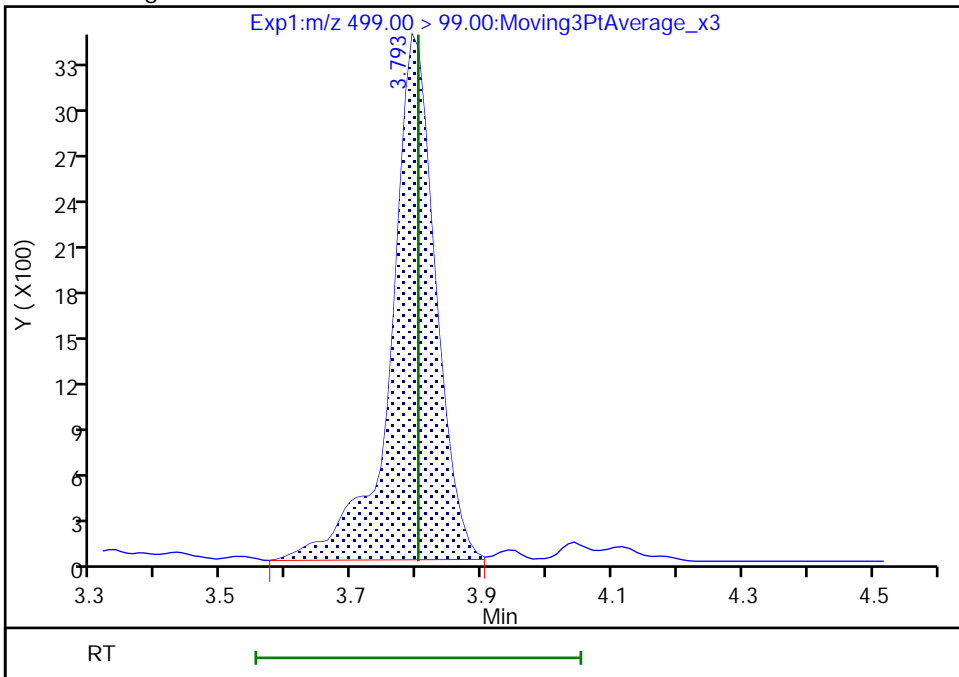
RT: 3.79
Area: 17385
Amount: 0.112007
Amount Units: ng/ml

Processing Integration Results



RT: 3.79
Area: 16176
Amount: 0.092356
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:34:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

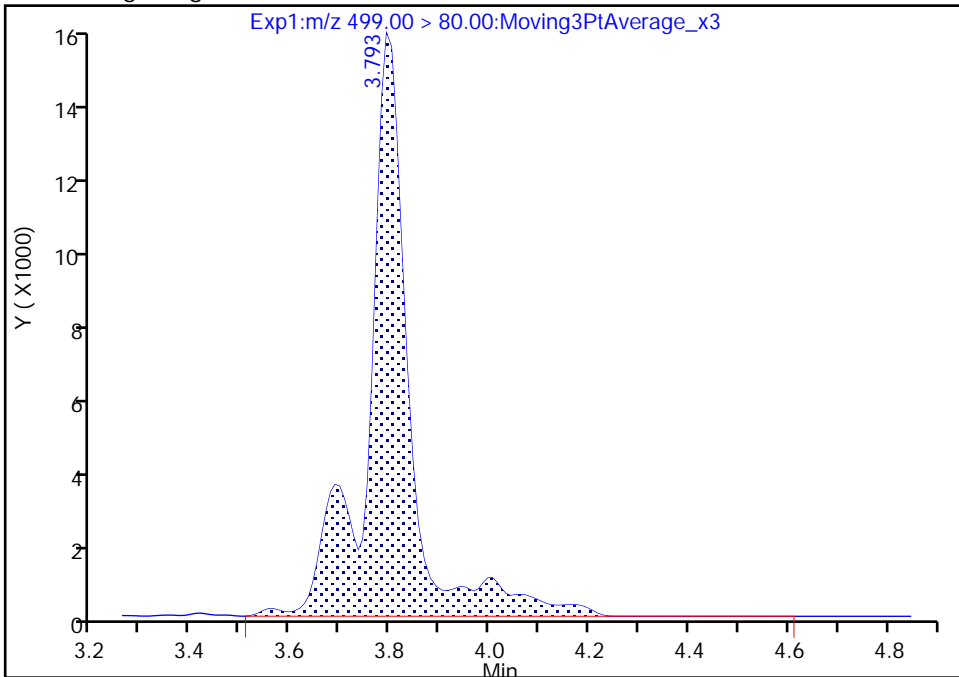
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

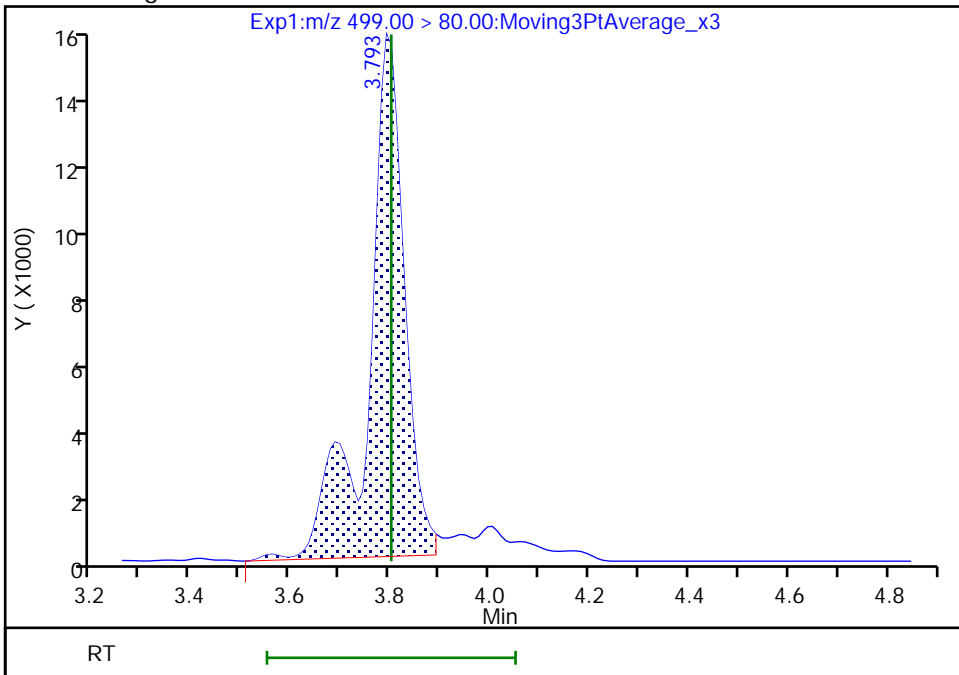
RT: 3.79
Area: 90332
Amount: 0.112007
Amount Units: ng/ml

Processing Integration Results



RT: 3.79
Area: 77581
Amount: 0.092356
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:34:55
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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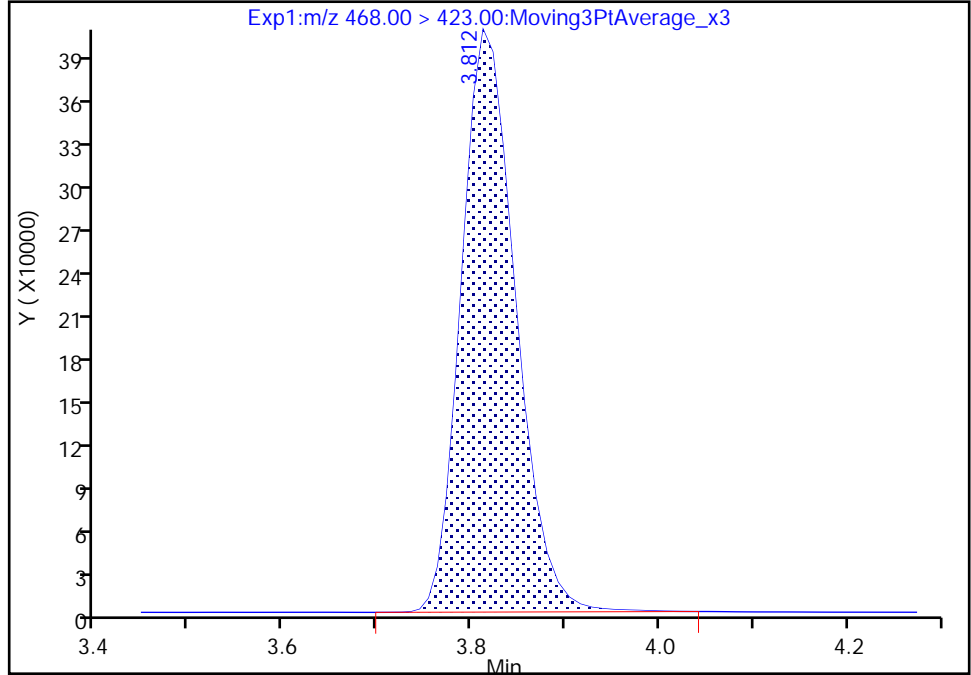
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 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 19 13C5 PFNA, CAS: STL00995
Signal: 1

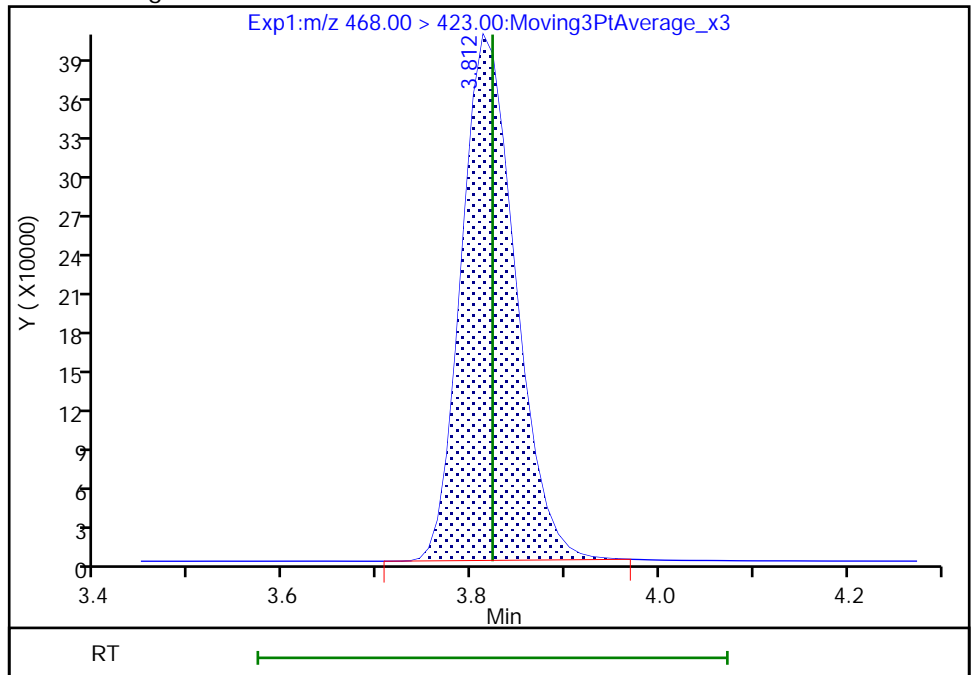
RT: 3.81
Area: 1611807
Amount: 1.247832
Amount Units: ng/ml

Processing Integration Results



RT: 3.81
Area: 1602191
Amount: 1.283603
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

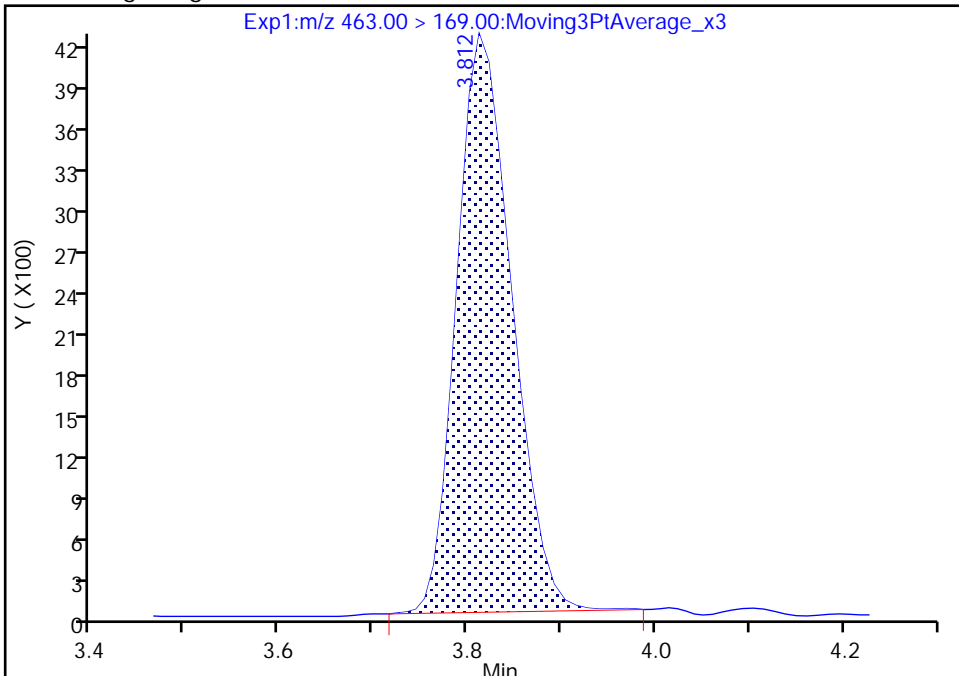
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

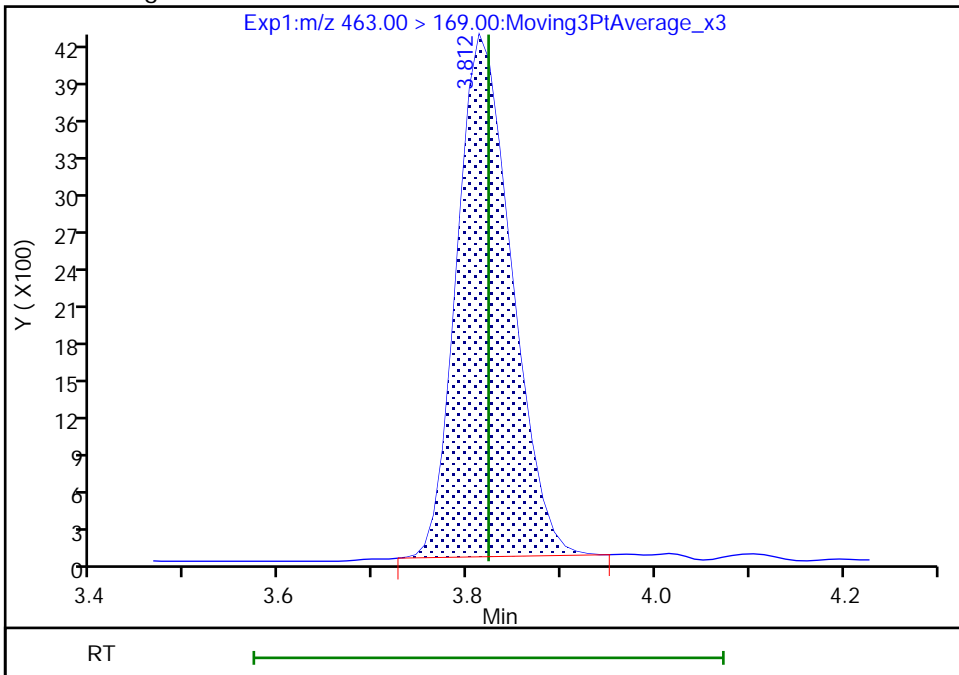
RT: 3.81
Area: 17148
Amount: 0.104027
Amount Units: ng/ml

Processing Integration Results



RT: 3.81
Area: 17042
Amount: 0.101234
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:35:07
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

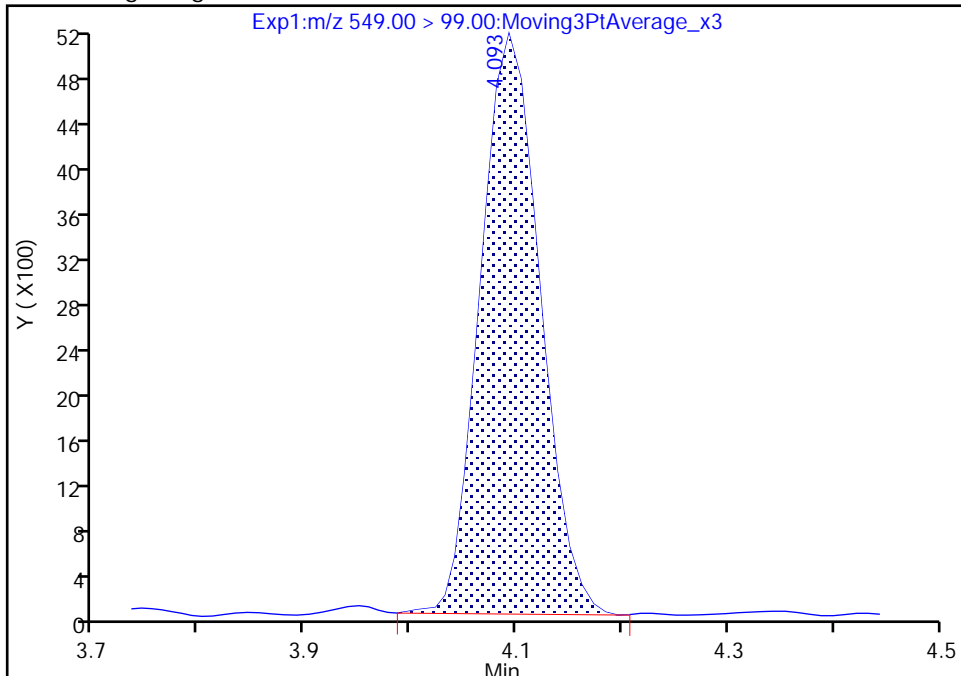
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 2

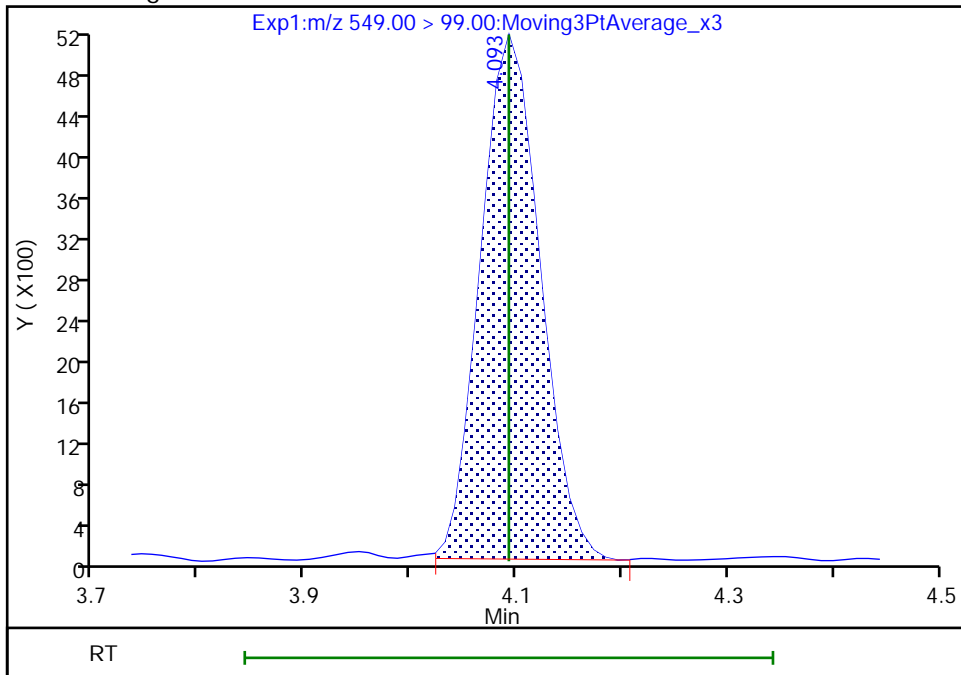
RT: 4.09
Area: 20122
Amount: 0.099986
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 20056
Amount: 0.101621
Amount Units: ng/ml

Manual Integration Results



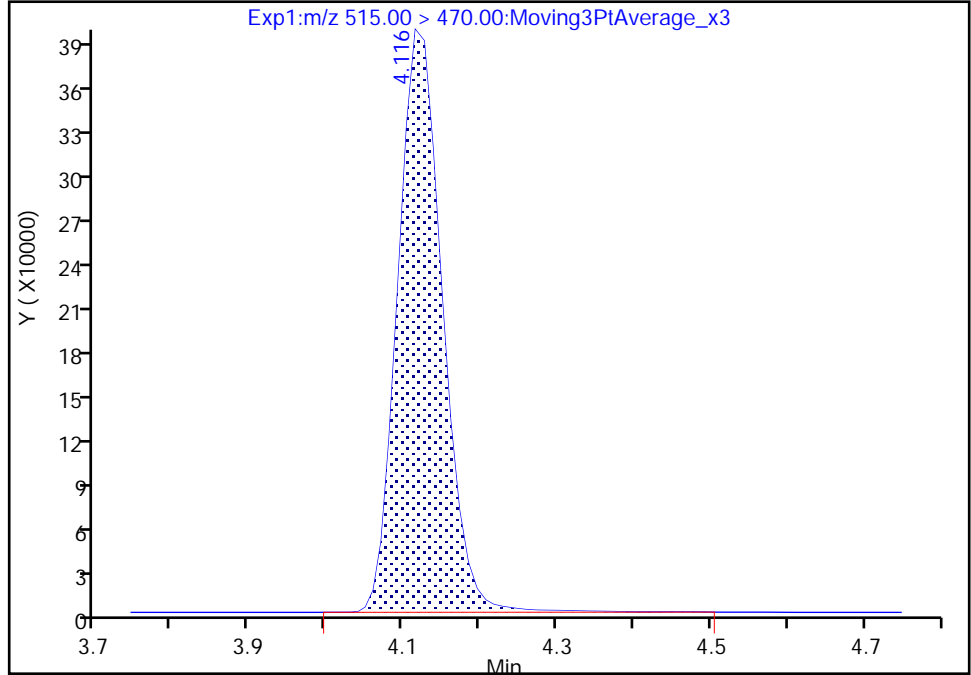
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 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

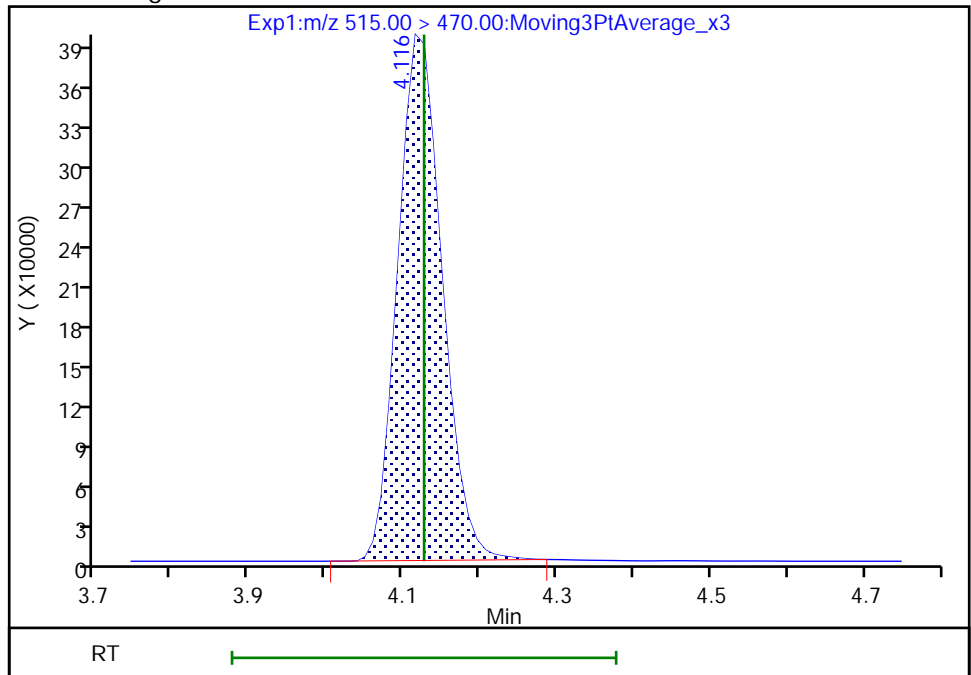
RT: 4.12
Area: 1608102
Amount: 1.298739
Amount Units: ng/ml

Processing Integration Results



RT: 4.12
Area: 1591995
Amount: 1.310511
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

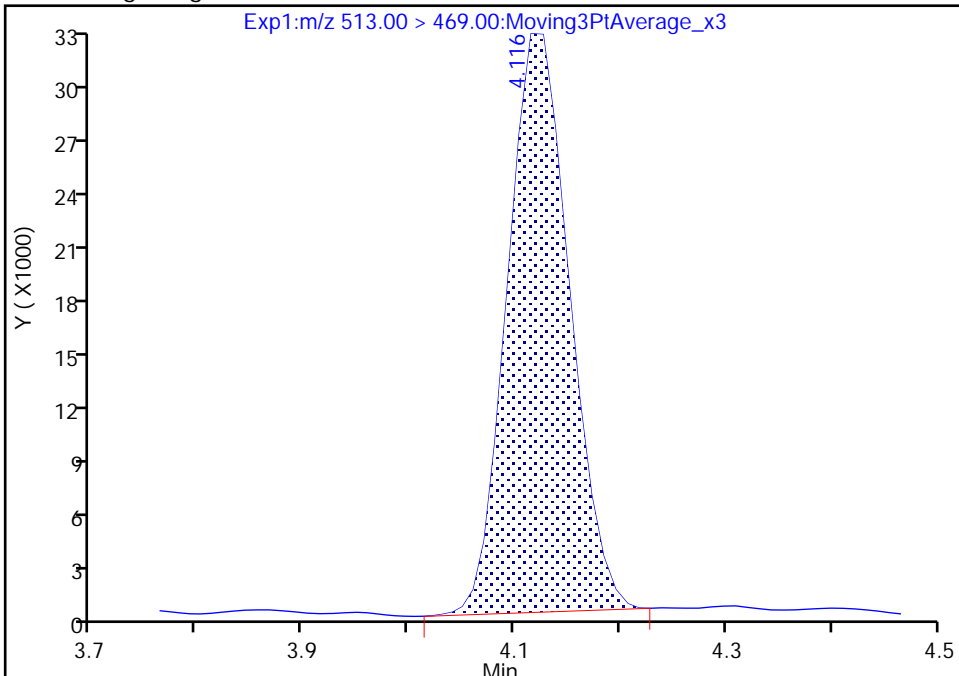
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

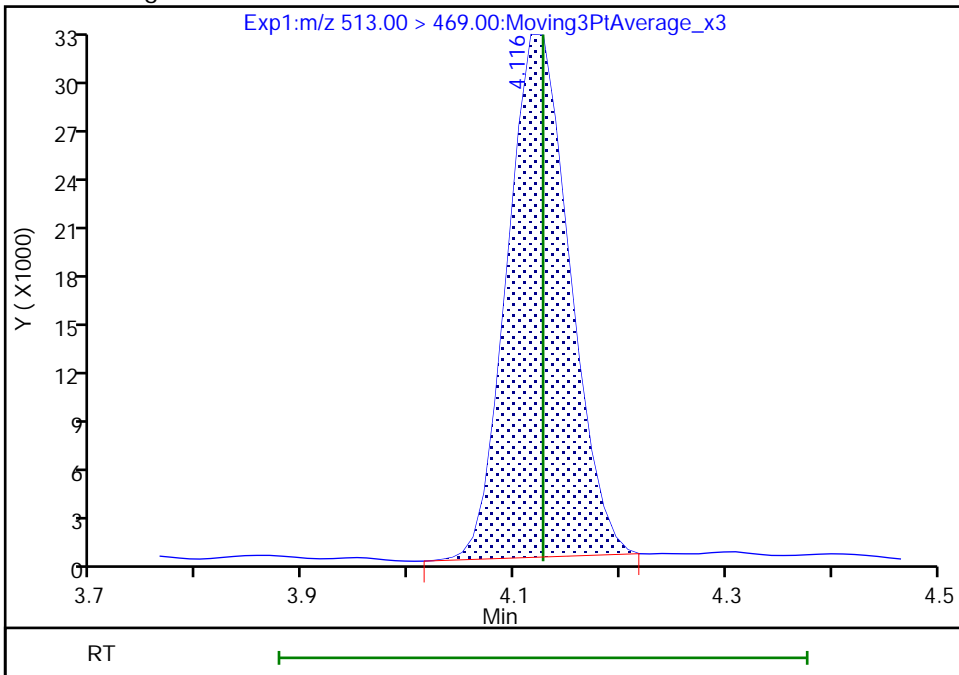
RT: 4.12
Area: 131387
Amount: 0.097713
Amount Units: ng/ml

Processing Integration Results



RT: 4.12
Area: 131103
Amount: 0.097879
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:35:29
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

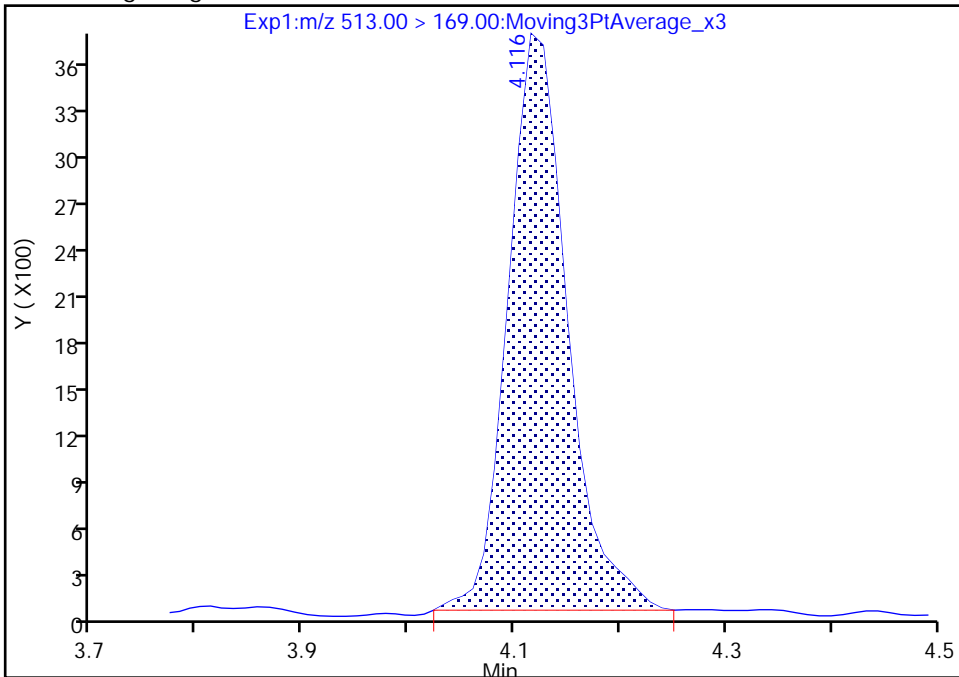
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

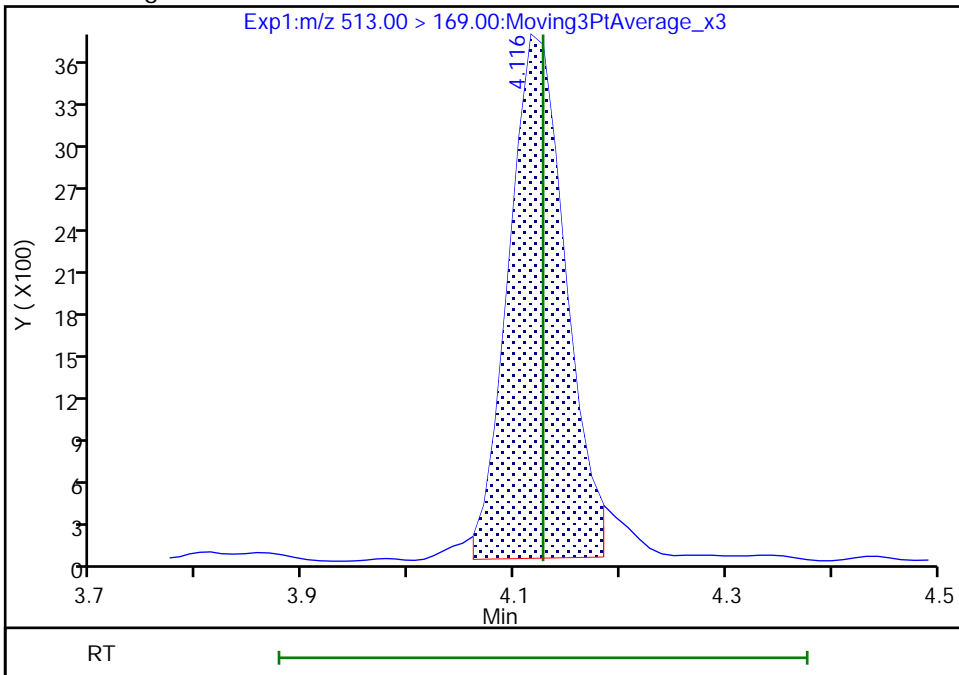
RT: 4.12
Area: 14638
Amount: 0.097713
Amount Units: ng/ml

Processing Integration Results



RT: 4.12
Area: 14057
Amount: 0.097879
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:35:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

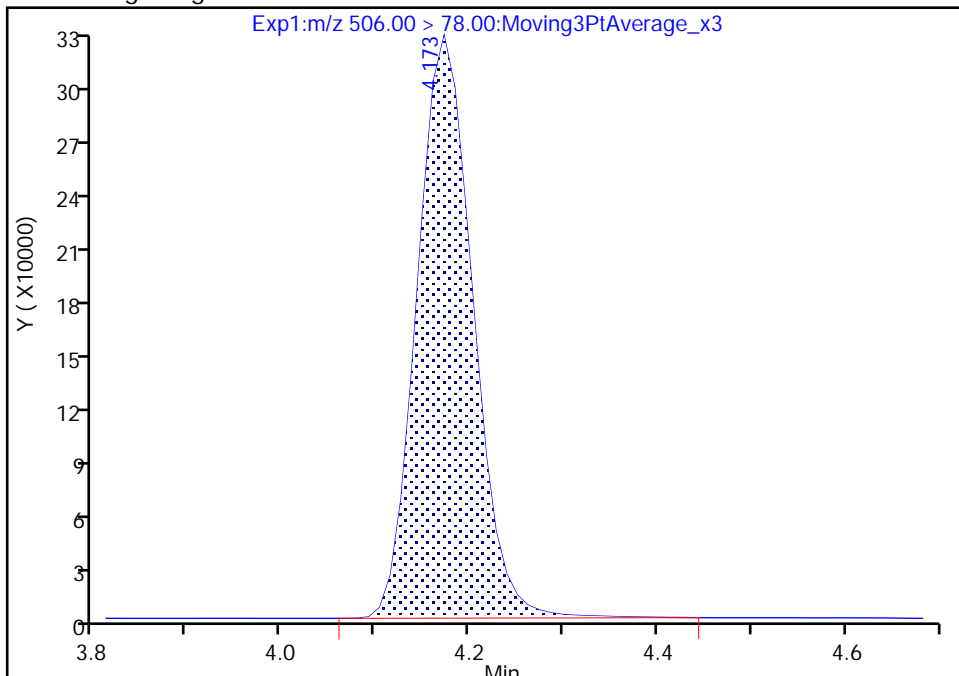
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

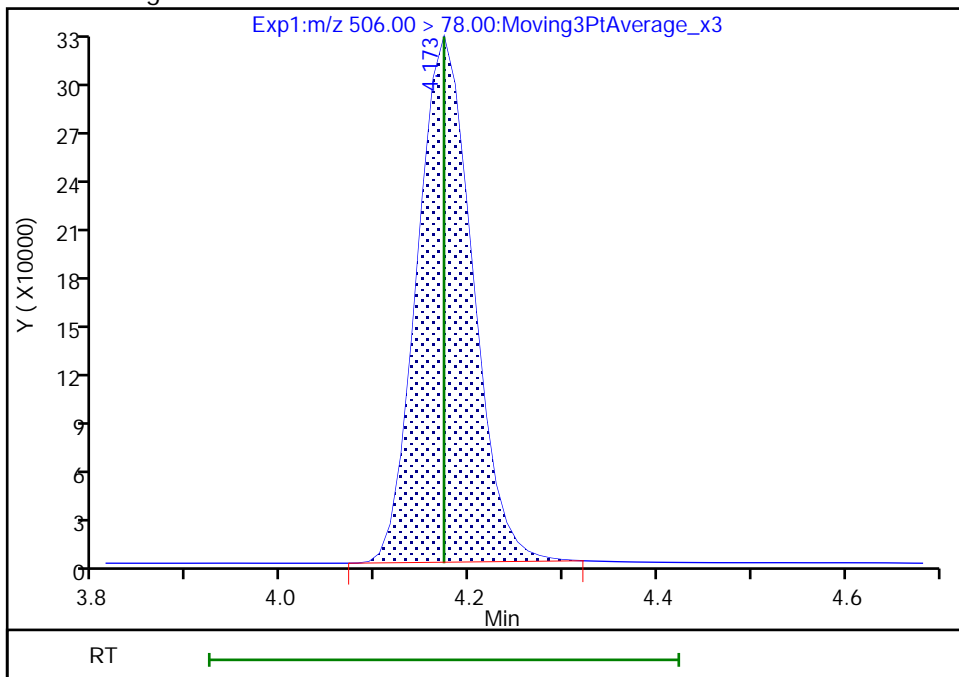
RT: 4.17
Area: 1359326
Amount: 1.056356
Amount Units: ng/ml

Processing Integration Results



RT: 4.17
Area: 1346274
Amount: 1.266231
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:35:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

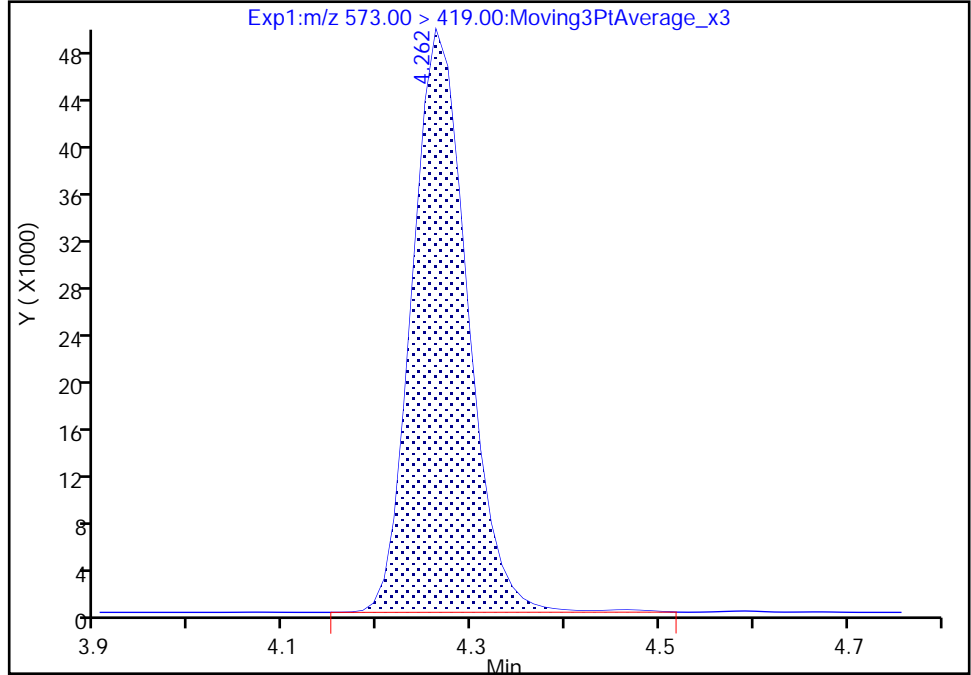
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 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

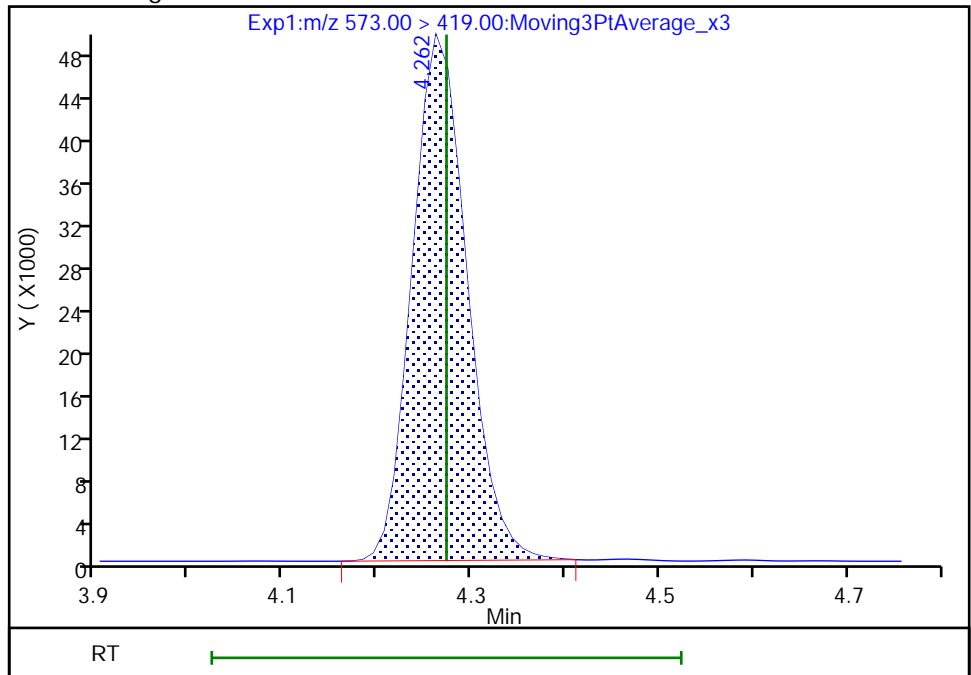
RT: 4.26
Area: 202522
Amount: 1.217142
Amount Units: ng/ml

Processing Integration Results



RT: 4.26
Area: 200758
Amount: 1.233004
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:35:57
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

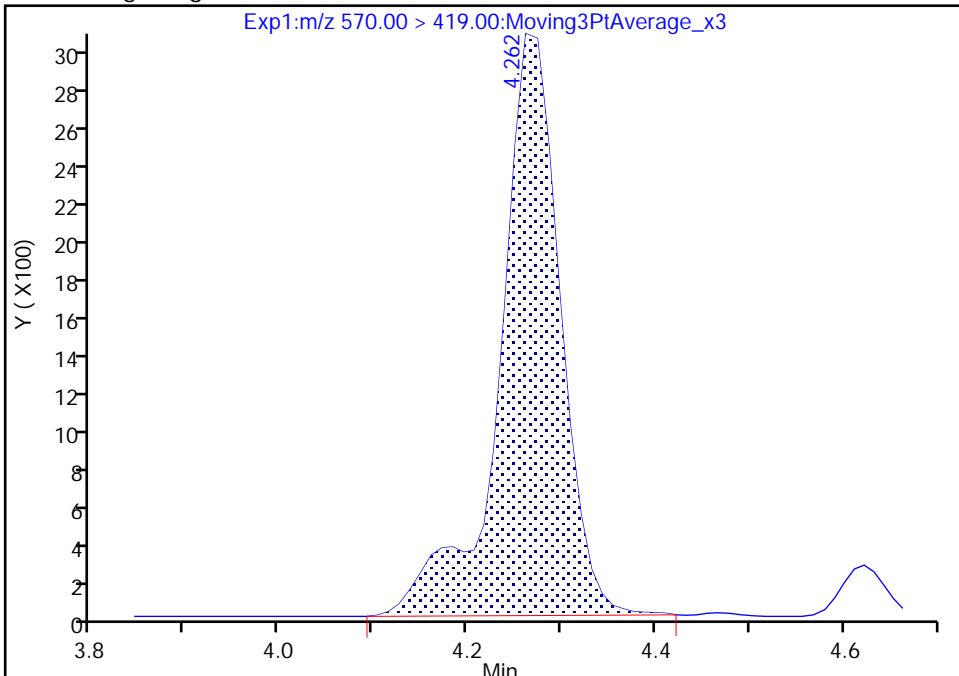
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

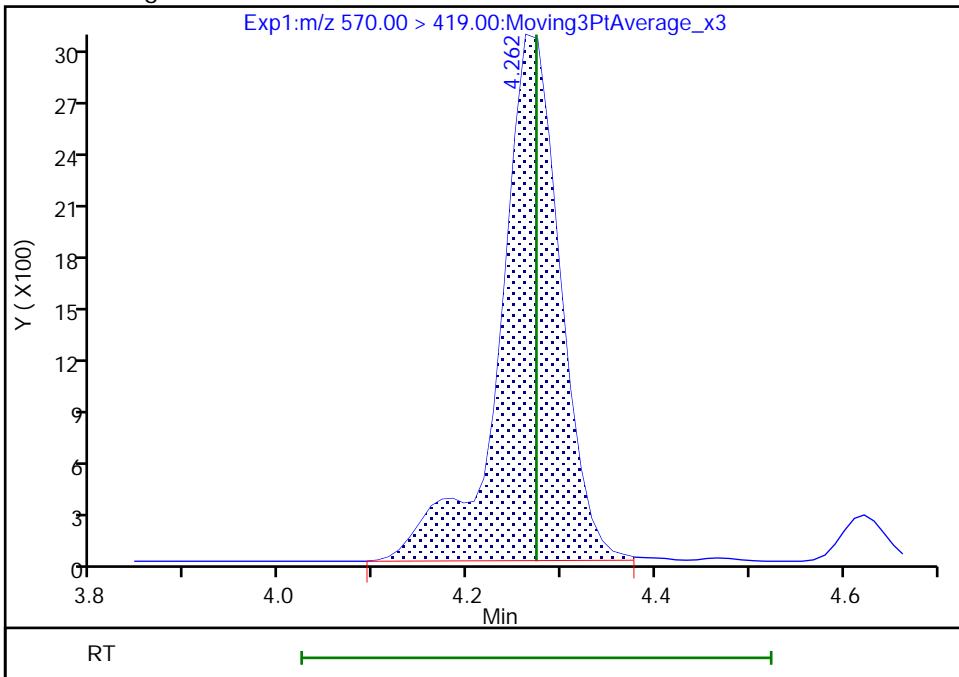
RT: 4.26
Area: 13754
Amount: 0.096610
Amount Units: ng/ml

Processing Integration Results



RT: 4.26
Area: 13734
Amount: 0.096287
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:36:04
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

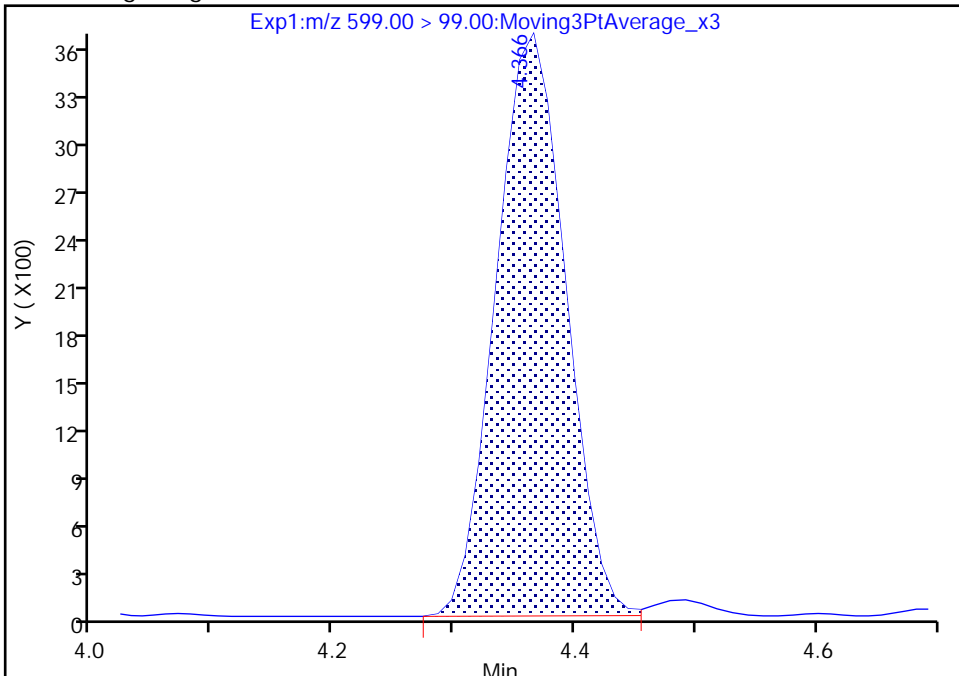
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

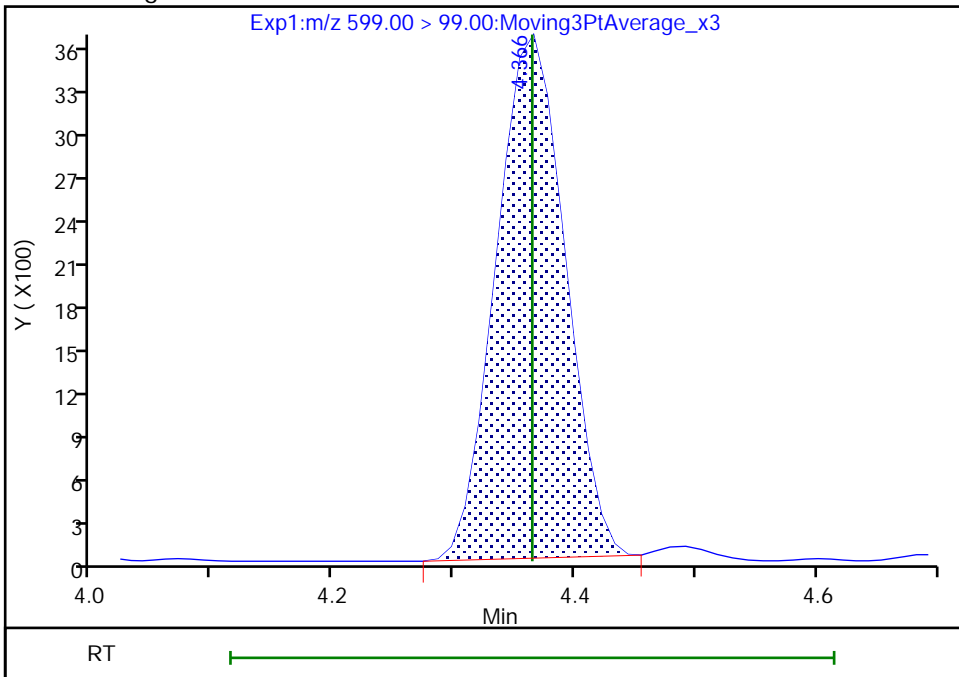
RT: 4.37
Area: 14526
Amount: 0.095221
Amount Units: ng/ml

Processing Integration Results



RT: 4.37
Area: 14326
Amount: 0.098477
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:36:10
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

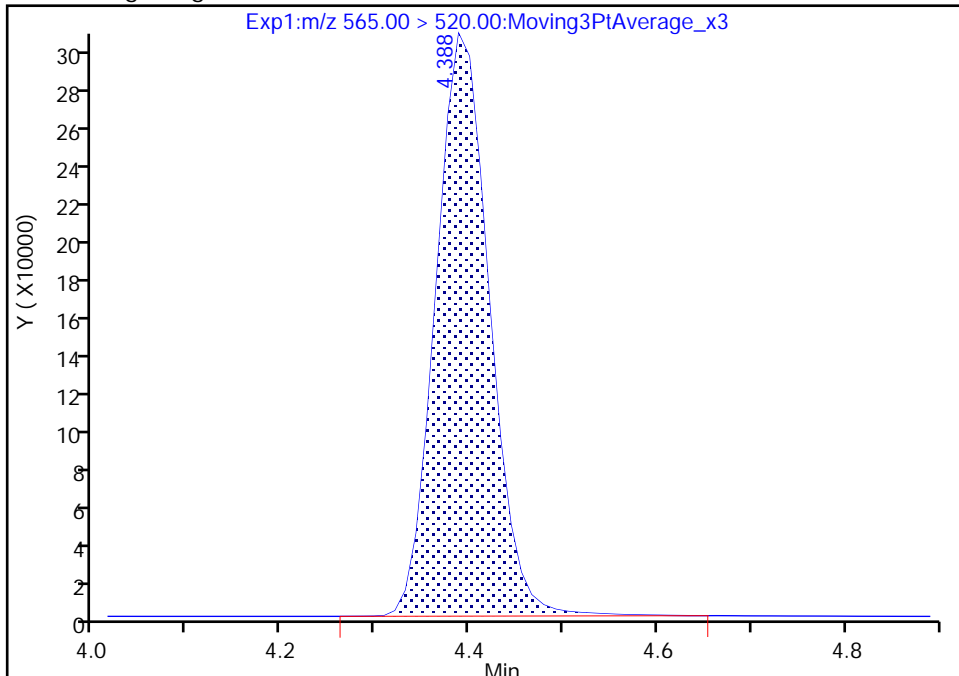
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

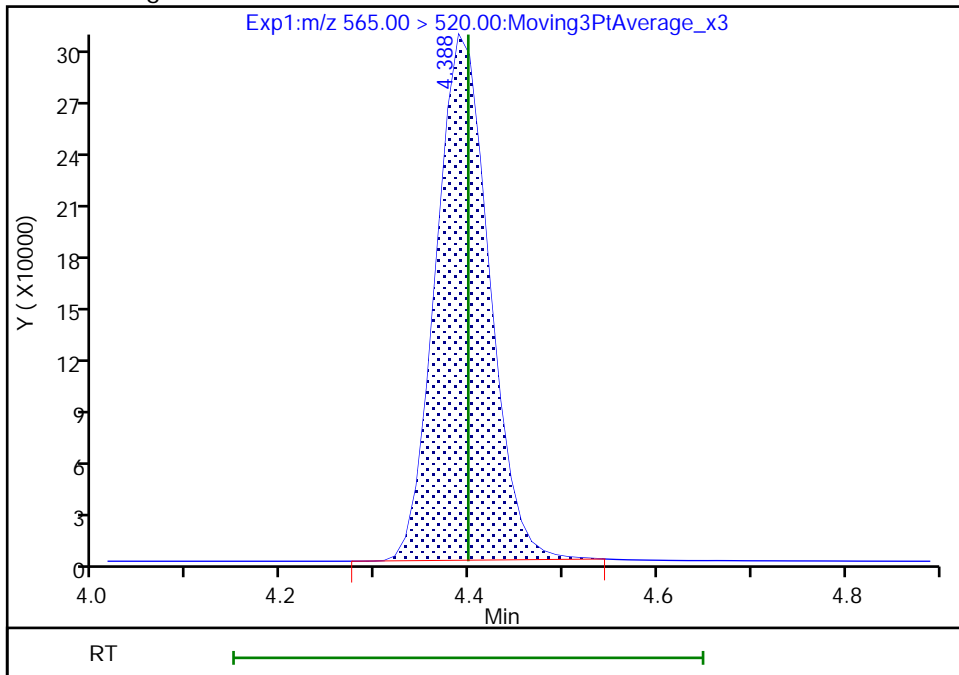
RT: 4.39
Area: 1215065
Amount: 1.238787
Amount Units: ng/ml

Processing Integration Results



RT: 4.39
Area: 1204305
Amount: 1.308432
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:36:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

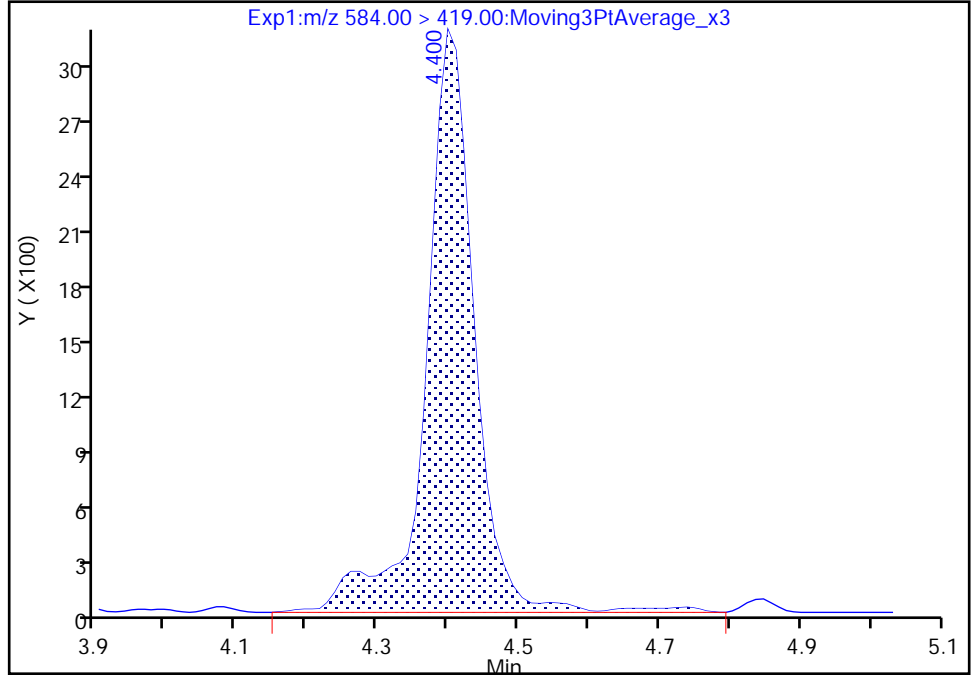
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

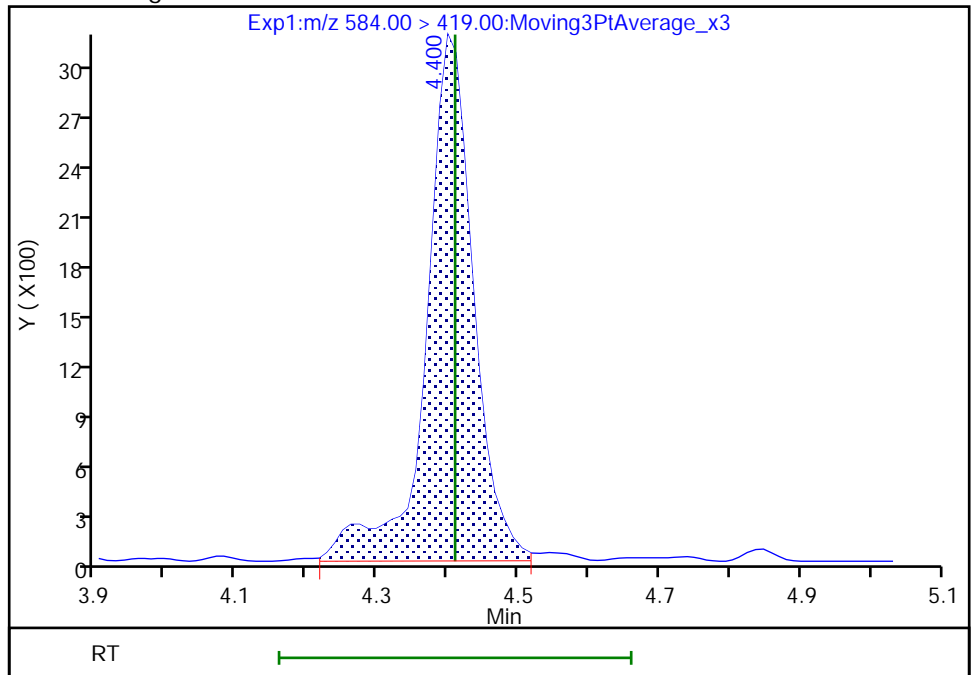
RT: 4.40
Area: 15373
Amount: 0.108005
Amount Units: ng/ml

Processing Integration Results



RT: 4.40
Area: 14911
Amount: 0.107286
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:36:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

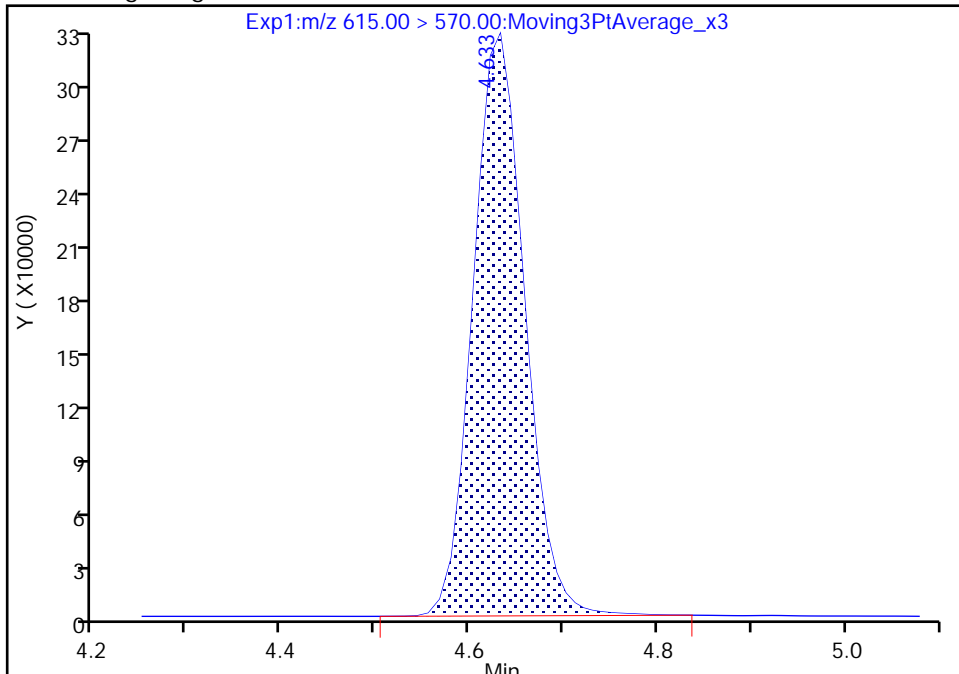
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 36 13C2 PFD_oA, CAS: STL00998

Signal: 1

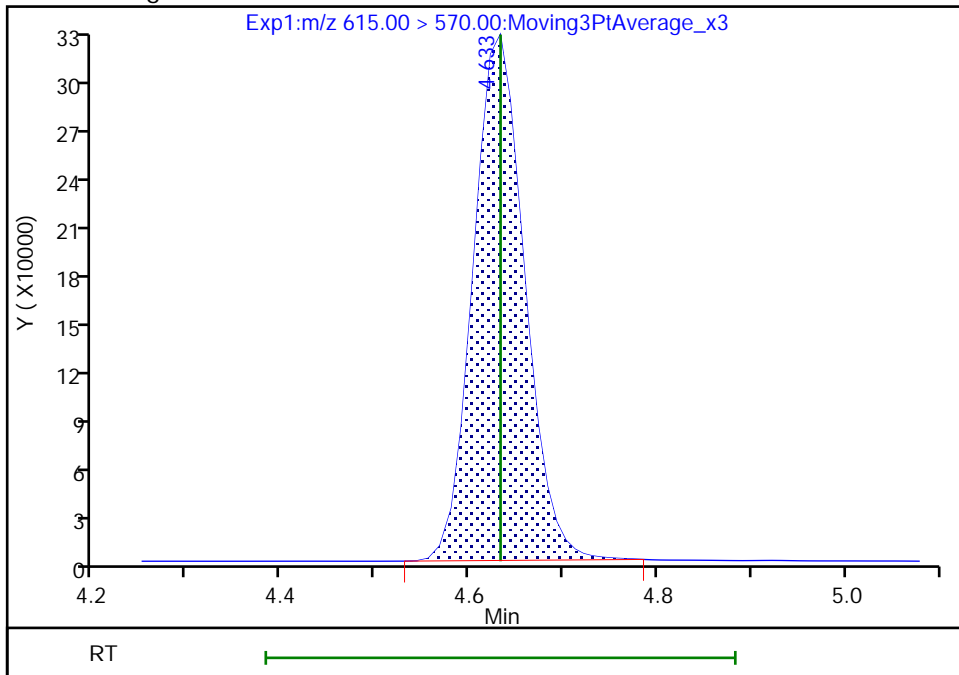
RT: 4.63
Area: 1236688
Amount: 1.198188
Amount Units: ng/ml

Processing Integration Results



RT: 4.63
Area: 1231772
Amount: 1.291469
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:36:53
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

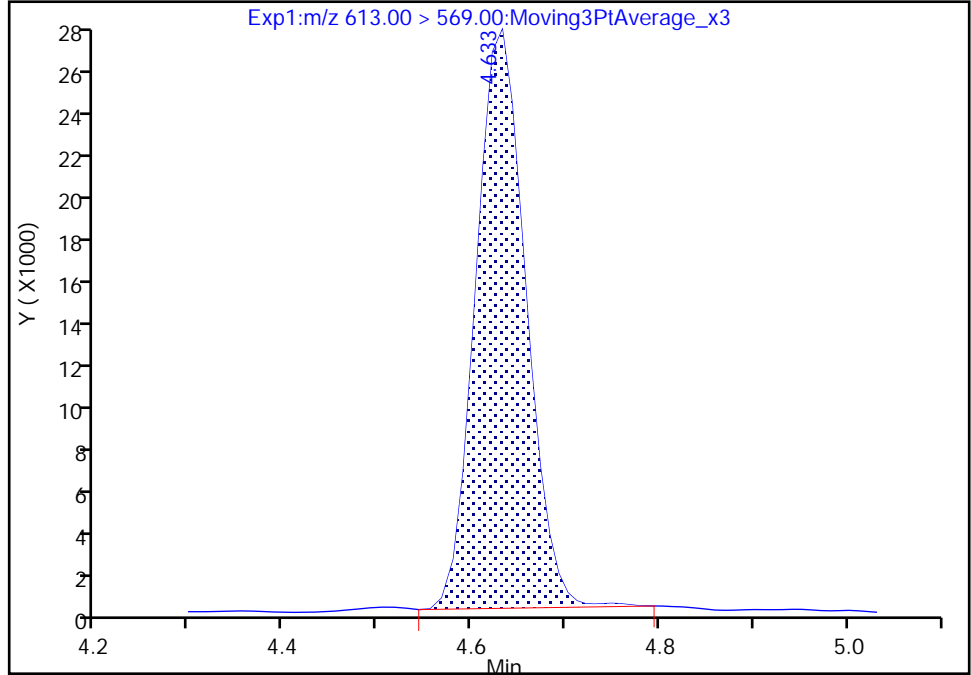
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

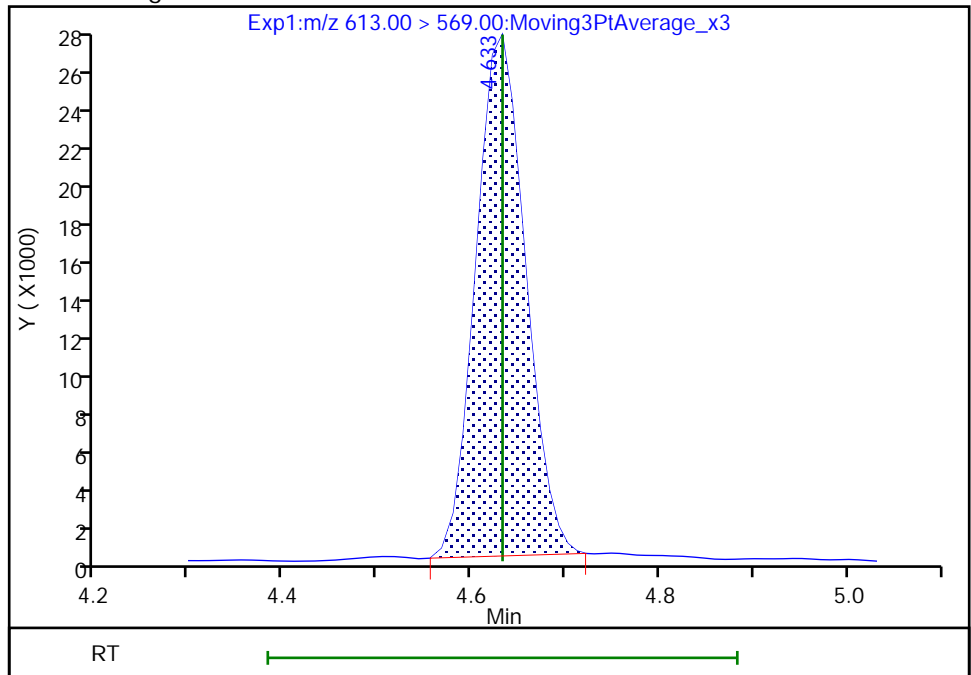
RT: 4.63
Area: 102104
Amount: 0.101642
Amount Units: ng/ml

Processing Integration Results



RT: 4.63
Area: 100780
Amount: 0.100846
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:37:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

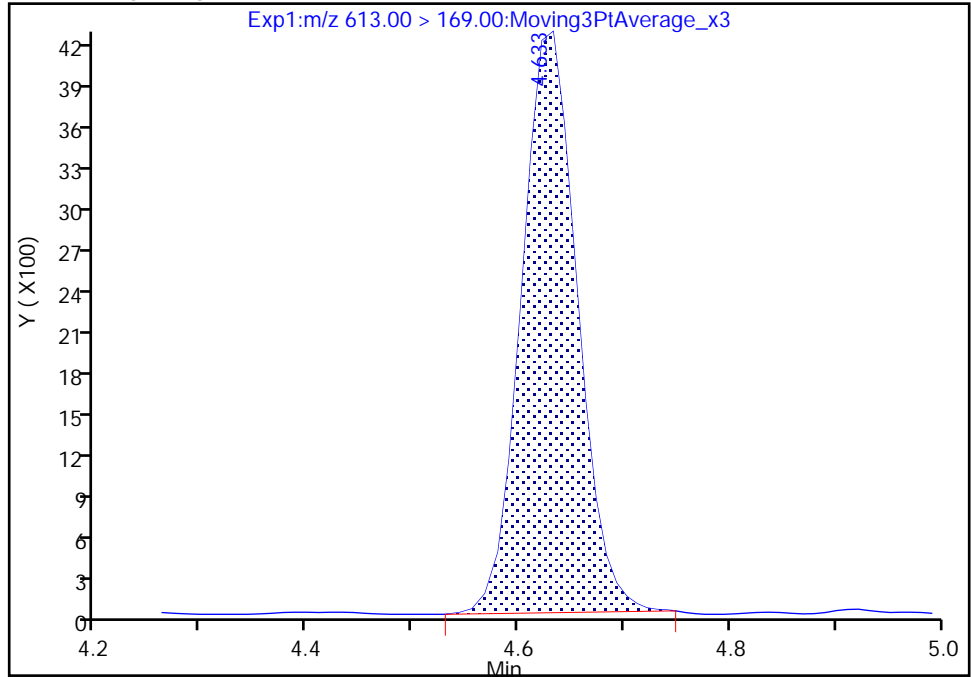
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

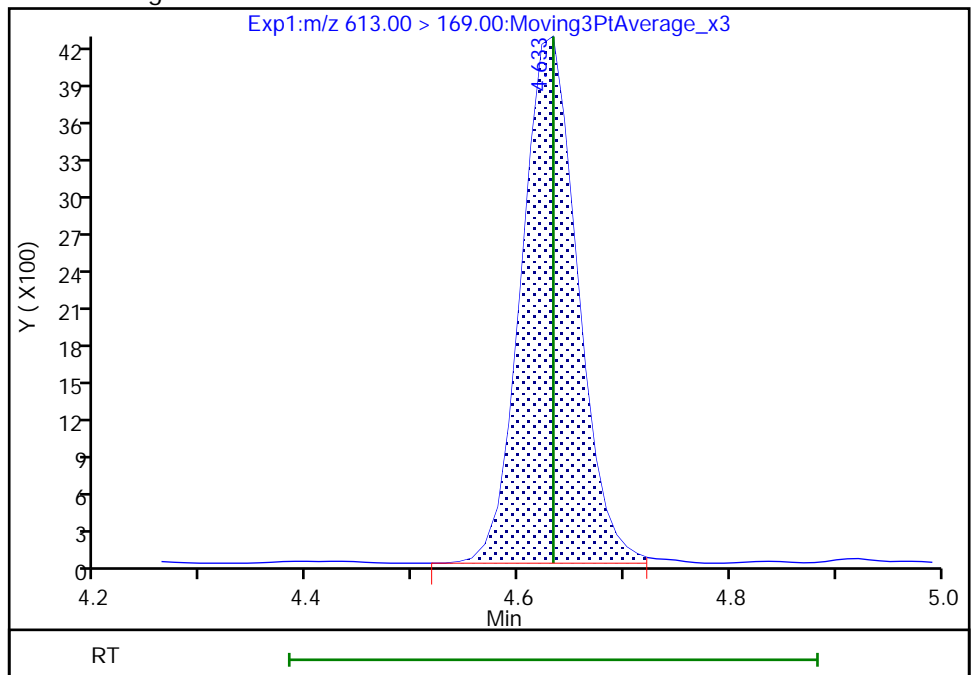
RT: 4.63
Area: 15398
Amount: 0.101642
Amount Units: ng/ml

Processing Integration Results



RT: 4.63
Area: 15506
Amount: 0.100846
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:37:12

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

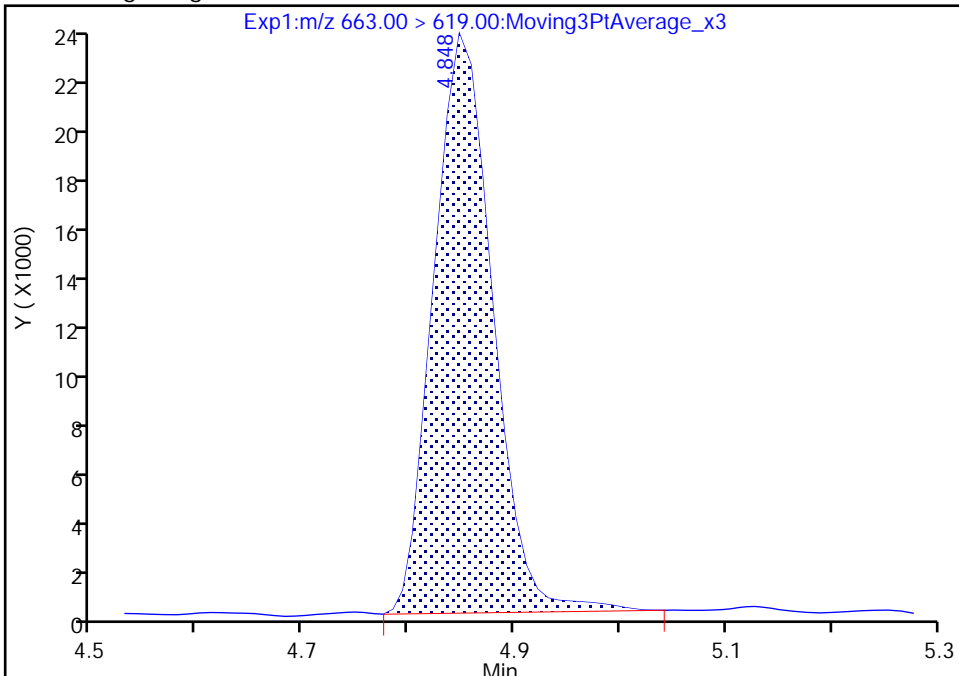
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

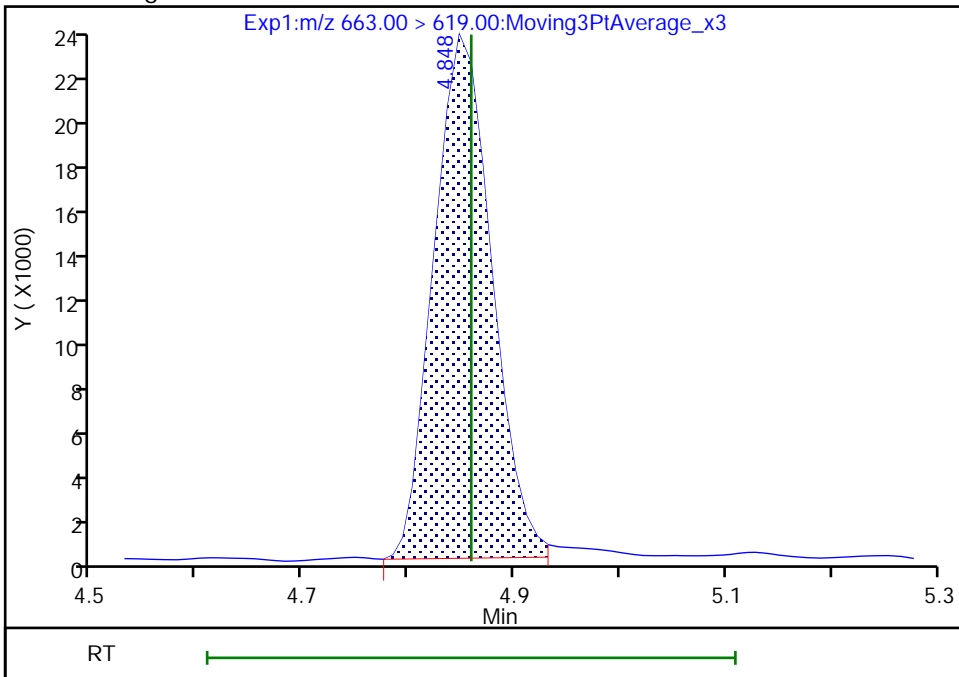
RT: 4.85
Area: 88461
Amount: 0.101868
Amount Units: ng/ml

Processing Integration Results



RT: 4.85
Area: 86868
Amount: 0.100275
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:37:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

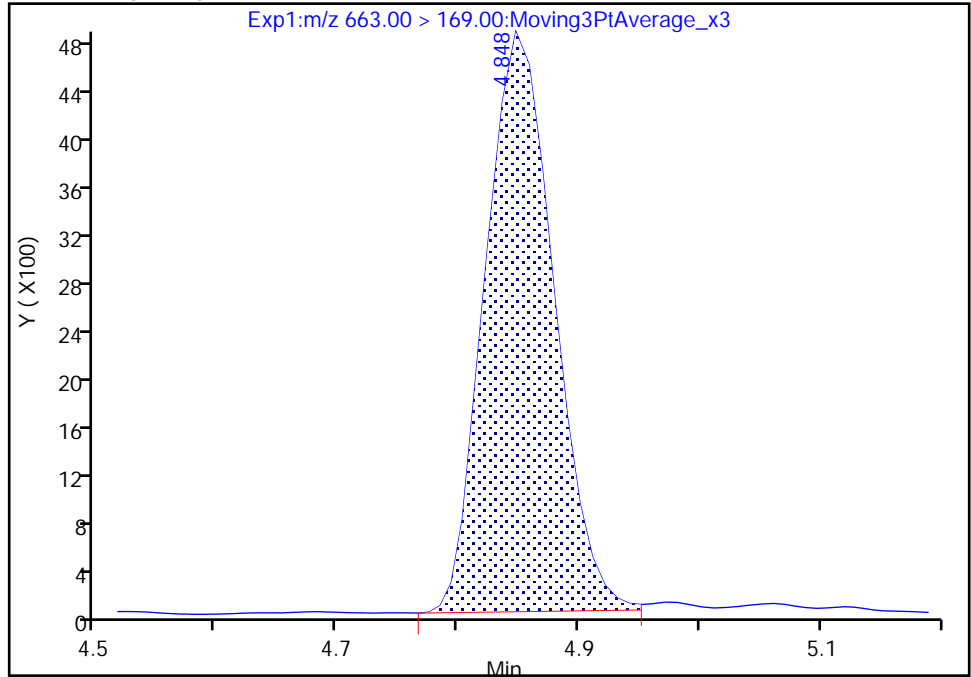
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

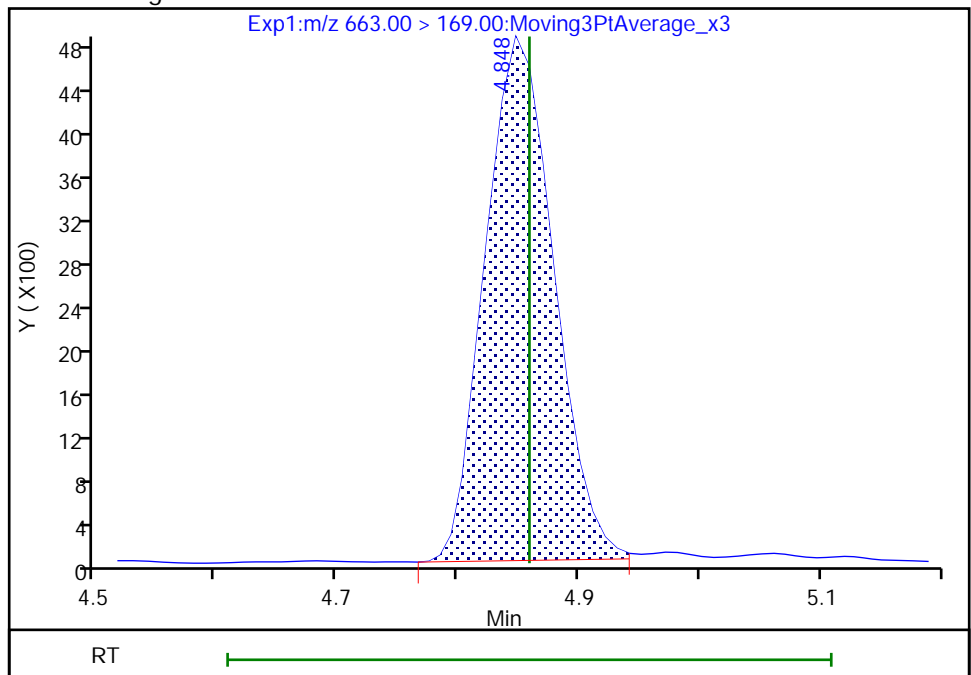
RT: 4.85
Area: 19217
Amount: 0.101868
Amount Units: ng/ml

Processing Integration Results



RT: 4.85
Area: 19158
Amount: 0.100275
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:37:40

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

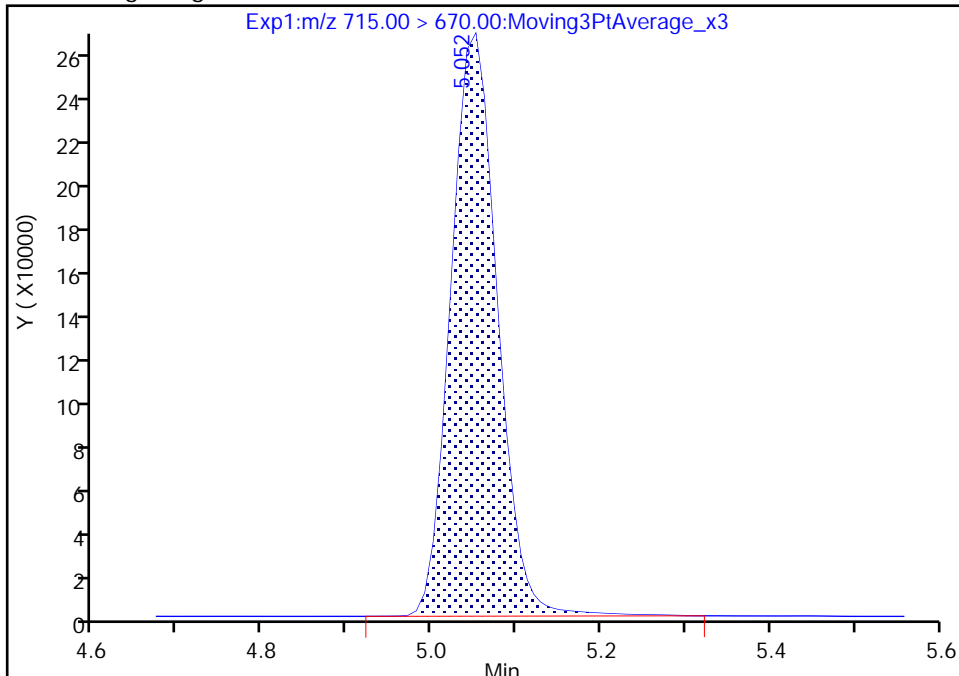
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

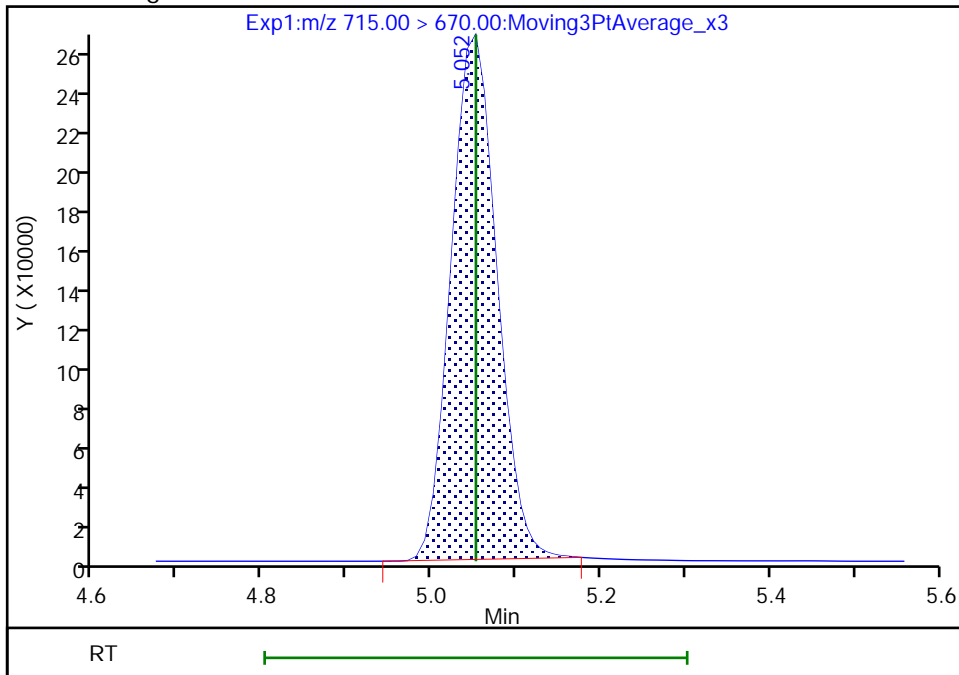
RT: 5.05
Area: 992002
Amount: 1.164124
Amount Units: ng/ml

Processing Integration Results



RT: 5.05
Area: 974562
Amount: 1.249944
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:37:57
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

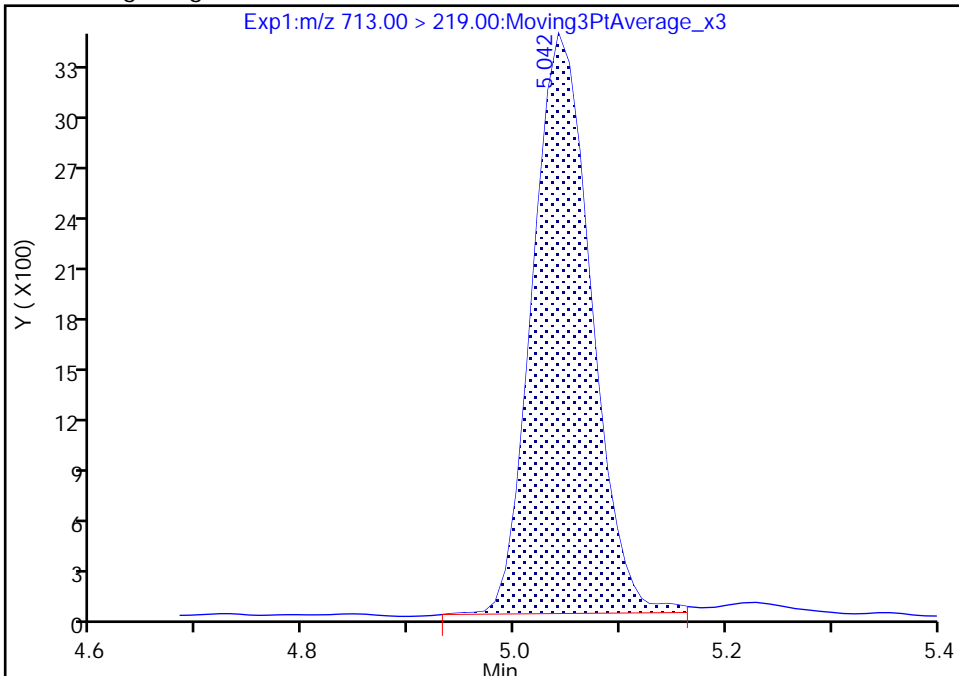
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

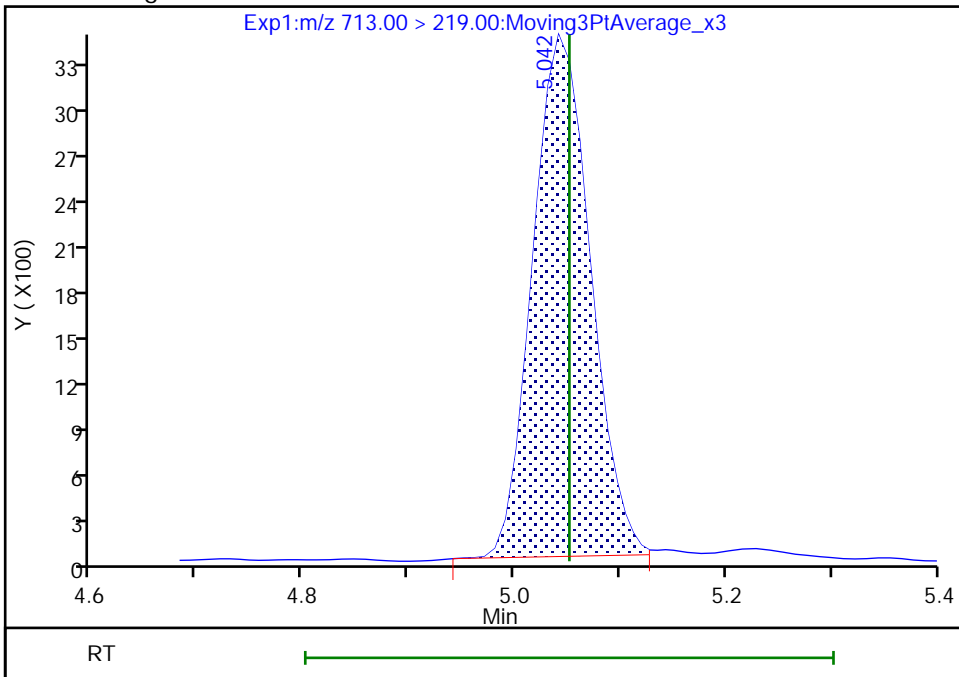
RT: 5.04
Area: 13267
Amount: 0.101386
Amount Units: ng/ml

Processing Integration Results



RT: 5.04
Area: 13008
Amount: 0.101538
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:37:51
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

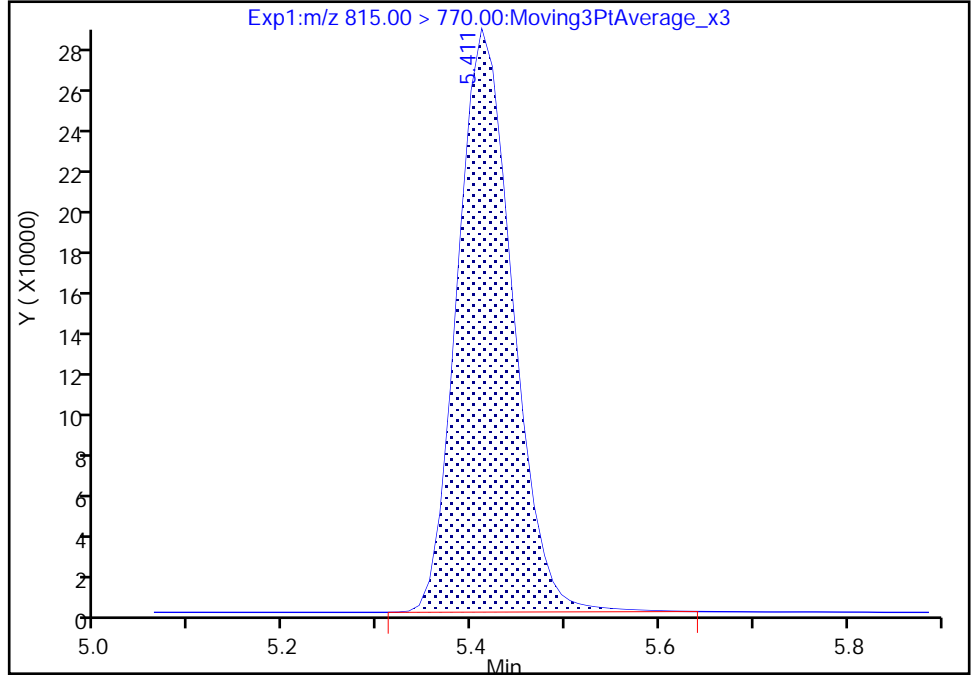
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 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 44 13C2 PFHxDA, CAS: STL02115
Signal: 1

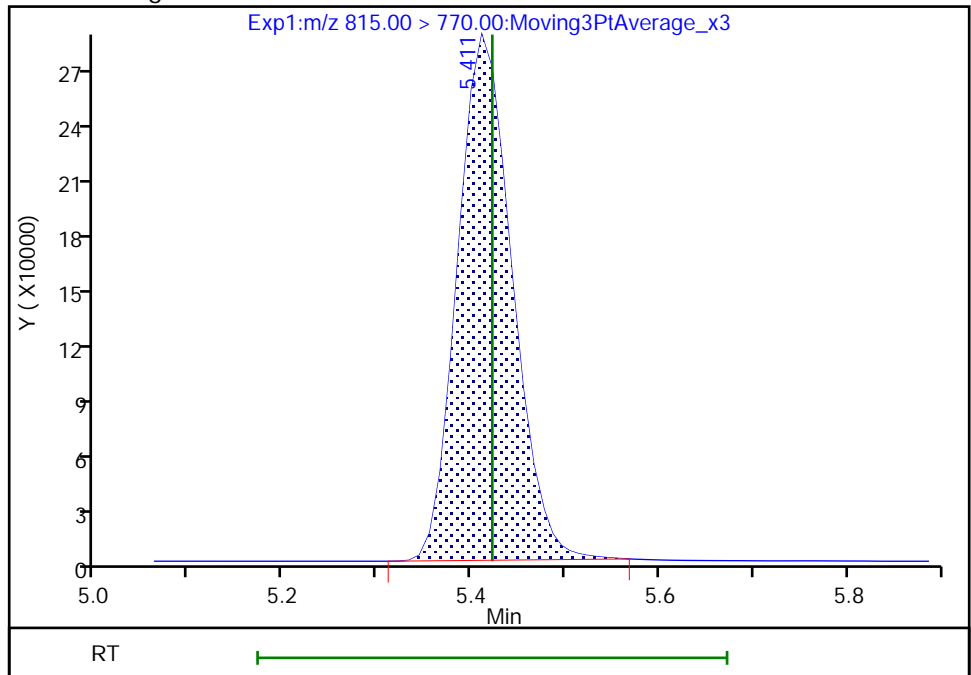
RT: 5.41
Area: 1144910
Amount: 1.260693
Amount Units: ng/ml

Processing Integration Results



RT: 5.41
Area: 1136259
Amount: 1.279343
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:38:03
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

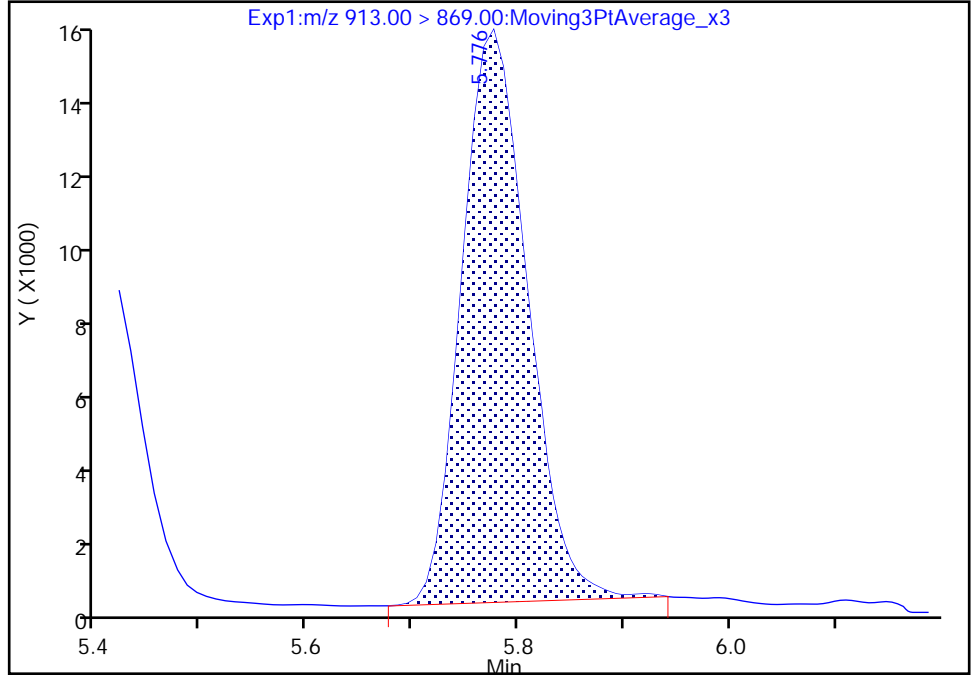
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

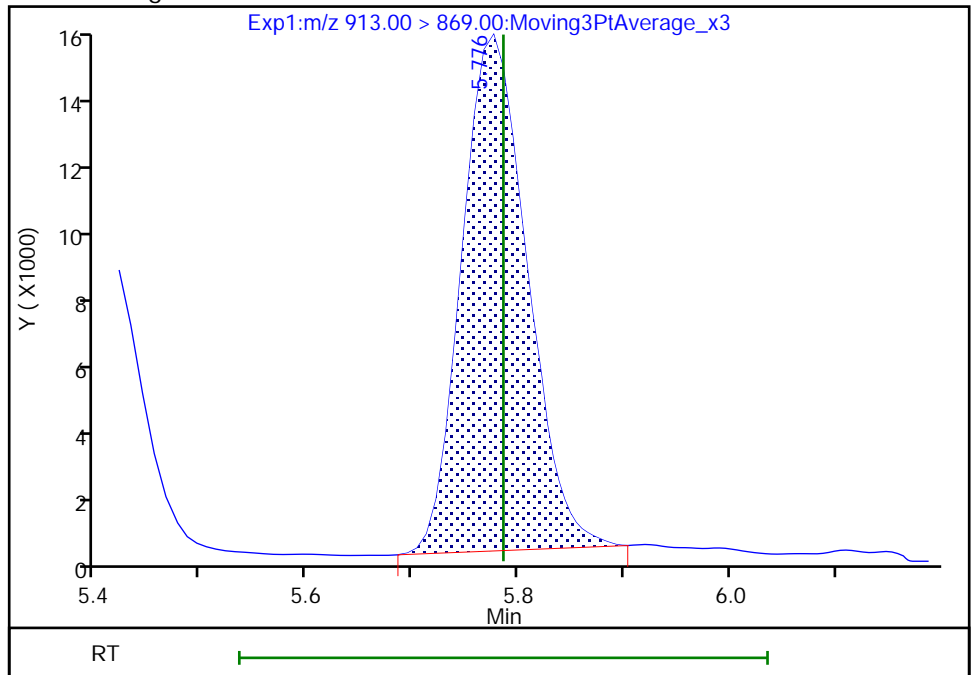
RT: 5.78
Area: 64999
Amount: 0.102017
Amount Units: ng/ml

Processing Integration Results



RT: 5.78
Area: 64267
Amount: 0.106332
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:38:10
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

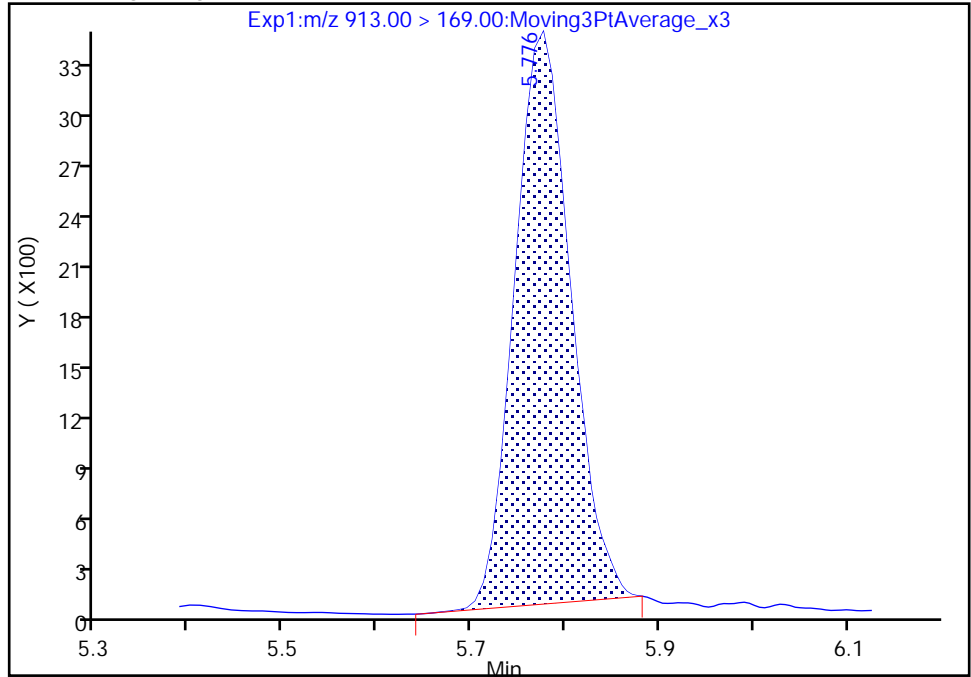
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

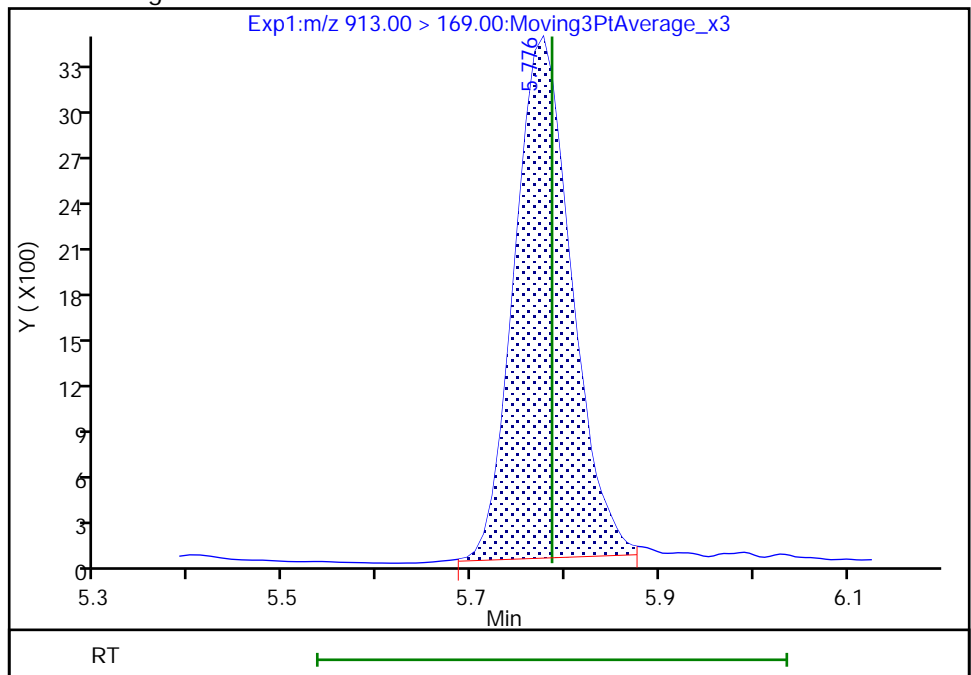
RT: 5.78
Area: 14173
Amount: 0.102017
Amount Units: ng/ml

Processing Integration Results



RT: 5.78
Area: 14493
Amount: 0.106332
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:38:25

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 03-Aug-2022 13:16:40 ALS Bottle#: 4 Worklist Smp#: 7
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 200-0051940-007 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 03-Aug-2022 14:25:14 Calib Date: 03-Aug-2022 13:41:11
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1672

First Level Reviewer: Z1IP Date: 03-Aug-2022 13:45:20

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										M
217.00 > 172.00	2.076	2.085	-0.009	0.596	1792010	1.23		98.0	7490	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.085	0.0	1.004	711450	0.5118		102	92.5	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.400	0.0	0.689	1422776	1.26		101	3390	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.400	2.400	0.0	1.000	591383	0.5040		101	24.9	M
D 47 13C3 PFBS										
301.90 > 80.00	2.413	2.413	0.0	0.693	1530333	1.18		101	251465	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.413	2.413	0.0	1.000	638698	0.4395	Target=2.18	99.4	669	
298.90 > 99.00	2.413	2.413	0.0	1.000	299493		2.13(1.09-3.28)	99.4	269	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.713	2.713	0.0	0.779	130321	1.16		99.6	142	M
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.713	2.713	0.0	1.000	127514	0.4806		103	1843	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.750	2.750	0.0	1.000	601465	0.5028	Target=12.37	101	143	M
313.00 > 119.00	2.750	2.750	0.0	1.000	48082		12.51(6.19-18.56)	101	82.1	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.750	2.750	0.0	0.790	1432991	1.28		102	2856	
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.750	2.762	-0.012	0.881	579172	0.4932	Target=3.00	105	1043	
349.00 > 99.00	2.750	2.762	-0.012	0.881	188472		3.07(1.50-4.50)	105	424	
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.859	2.859	0.0	0.821	255203	1.21		96.6	1858	

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	2.859	2.859	0.0	1.000	109153	0.4976	99.5	1014		
D 9 13C4 PFHpA	367.00	> 322.00	3.121	3.121	0.0	0.896	1532788	1.32	105	3644		
10 Perfluoroheptanoic acid	363.00	> 319.00	3.121	3.121	0.0	1.000	605835	0.4794	Target=3.68	95.9	192	M
	363.00	> 169.00	3.121	3.121	0.0	1.000	168702		3.59(1.84-5.52)	95.9	332	M
D 11 18O2 PFHxS	403.00	> 84.00	3.121	3.121	0.0	0.896	1070938	1.17	98.9	1514	M	
8 Perfluorohexanesulfonic acid	399.00	> 80.00	3.121	3.121	0.0	1.000	469103	0.4696	Target=3.52	103	792	M
	399.00	> 99.00	3.121	3.121	0.0	1.000	124544		3.77(1.76-5.27)	103	156	M
77 DONA	377.00	> 251.00	3.154	3.165	-0.011	0.832	1341908	0.4840	Target=2.78	103	1315	M
	377.00	> 85.00	3.165	3.165	0.0	0.835	487671		2.75(1.39-4.17)	103	531	M
D 12 M2-6:2 FTS	429.00	> 81.00	3.465	3.474	-0.009	0.995	174667	1.14	96.0	318	M	
13 1H,1H,2H,2H-perfluorooctanesulfo	427.00	> 407.00	3.465	3.474	-0.009	1.000	116911	0.5286		112	246	M
16 Perfluoroheptanesulfonic acid	449.00	> 80.00	3.465	3.474	-0.009	0.914	400346	0.4812	Target=4.99	101	955	M
	449.00	> 99.00	3.465	3.474	-0.009	0.914	84954		4.71(2.50-7.49)	101	449	M
15 Perfluorooctanoic acid	413.00	> 369.00	3.482	3.482	0.0	1.000	662670	0.5023	Target=2.64	100	80.9	M
	413.00	> 169.00	3.482	3.482	0.0	1.000	249816		2.65(1.32-3.96)	100	485	M
D 14 13C4 PFOA	417.00	> 372.00	3.482	3.482	0.0	1.000	1470428	1.23	98.5	1659	M	
* 62 13C2 PFOA	415.00	> 370.00	3.482	3.482	0.0		1566724	1.25		1644	M	
17 Perfluorooctanesulfonic acid	499.00	> 80.00	3.792	3.802	-0.010	1.000	326050	0.4684	Target=4.77	101	230	M
	499.00	> 99.00	3.792	3.802	-0.010	1.000	71279		4.57(2.38-7.15)	101	263	M
D 18 13C4 PFOS	503.00	> 80.00	3.792	3.802	-0.010	1.089	804391	1.18	98.5	2025	M	
20 Perfluorononanoic acid	463.00	> 419.00	3.822	3.822	0.0	1.003	610819	0.5030	Target=7.92	101	202	M
	463.00	> 169.00	3.822	3.822	0.0	1.003	77379		7.89(3.96-11.88)	101	872	M
D 19 13C5 PFNA	468.00	> 423.00	3.812	3.822	-0.010	1.095	1491888	1.20	96.3	2524		
69 9-Chlorohexadecafluoro-3-oxanona	531.00	> 351.00	3.960	3.969	-0.009	1.044	579400	0.4873		105	2294	
68 Perfluorononanesulfonic acid	549.00	> 80.00	4.093	4.093	0.0	1.079	256419	0.4865	Target=2.52	101	1123	M
	549.00	> 99.00	4.093	4.093	0.0	1.079	111662		2.30(1.26-3.78)	101	493	M
25 1H,1H,2H,2H-perfluorodecanesulfo	527.00	> 507.00	4.127	4.127	0.0	1.000	83425	0.4879		102	583	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	4.115	4.127	-0.012	1.000	669130	0.5314	Target=9.74	106	420	
513.00 > 169.00	4.127	4.127	0.0	1.003	70336		9.51(4.87-14.60)	106	438	
D 23 13C2 PFDA										
515.00 > 470.00	4.115	4.127	-0.012	1.182	1496707	1.24		99.3	1311	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.127	4.138	-0.011	1.185	212018	1.15		96.0	676	
D 21 13C8 FOSA										
506.00 > 78.00	4.173	4.173	0.0	1.198	1341161	1.27		102	1541	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.173	4.173	0.0	1.000	561197	0.5133		103	1110	
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.273	4.273	0.0	1.003	78017	0.5651		113	202	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.261	4.273	-0.012	1.224	194324	1.20		96.2	1096	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.365	4.365	0.0	1.151	200232	0.5105	Target=2.62	106	1562	M
599.00 > 99.00	4.365	4.365	0.0	1.151	81639		2.45(1.31-3.93)	106	703	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.387	4.399	-0.012	1.260	1177558	1.29		103	1921	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.387	4.399	-0.012	1.000	503320	0.5043	Target=8.83	101	386	
563.00 > 169.00	4.398	4.399	-0.001	1.003	57209		8.80(4.41-13.24)	101	614	M
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.410	4.410	0.0	1.003	71793	0.5095		102	425	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.398	4.410	-0.012	1.263	194014	1.27		101	810	
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.491	4.491	0.0	1.184	768442	0.4965		105	1514	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.633	4.633	0.0	1.330	1166932	1.23		98.6	2227	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.633	4.633	0.0	1.000	498404	0.5264	Target=6.63	105	80.6	M
613.00 > 169.00	4.633	4.633	0.0	1.000	80760		6.17(3.32-9.95)	105	432	M
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.653	4.654	-0.001	1.128	39968	0.5004		104	335	M
75 Perfluorododecanesulfonic acid (
699.00 > 80.00	4.812	4.813	-0.001	1.269	93712	0.5381	Target=0.54	111	1106	
699.00 > 99.00	4.812	4.813	-0.001	1.269	158626		0.59(0.27-0.81)	111	1061	M
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.848	4.859	-0.011	1.046	432811	0.5274	Target=4.62	105	76.0	M
663.00 > 169.00	4.848	4.859	-0.011	1.046	95909		4.51(2.31-6.94)	105	545	M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.051	5.052	-0.001	1.451	969884	1.25		100	1985	M
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.051	5.052	-0.001	1.000	63032	0.5071	Target=0.94	101	465	M
713.00 > 219.00	5.041	5.052	-0.011	0.998	69631		0.91(0.47-1.41)	101	669	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	5.422	5.422	0.0	1.002	429383	0.5545	Target=4.40	111	97.2	
813.00 > 169.00	5.411	5.422	-0.011	1.000	95637		4.49(2.20-6.59)	111	757	M
D 44 13C2 PFHxDA										M
815.00 > 770.00	5.411	5.422	-0.011	1.554	1043688	1.18		94.7	2036	M
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.776	5.786	-0.010	1.068	304377	0.5483	Target=4.42	110	91.0	M
913.00 > 169.00	5.776	5.786	-0.010	1.068	68198		4.46(2.21-6.63)	110	303	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC3_00014

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfms\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d

Injection Date: 03-Aug-2022 13:16:40

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

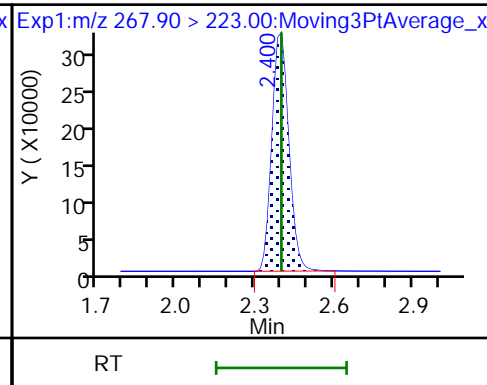
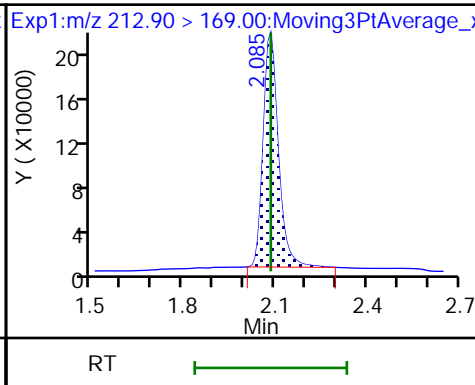
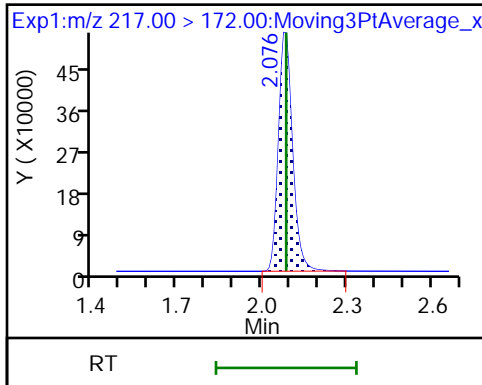
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA (M)

2 Perfluorobutanoic acid (M)

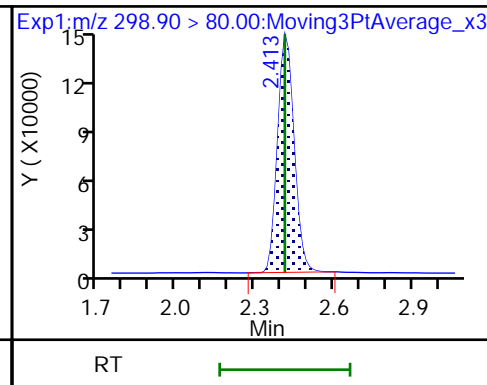
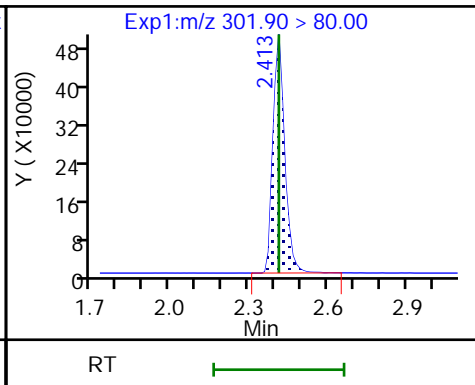
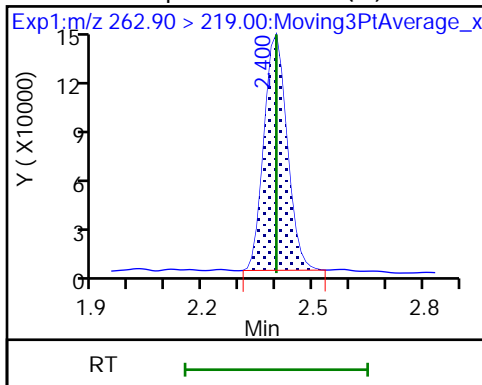
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS

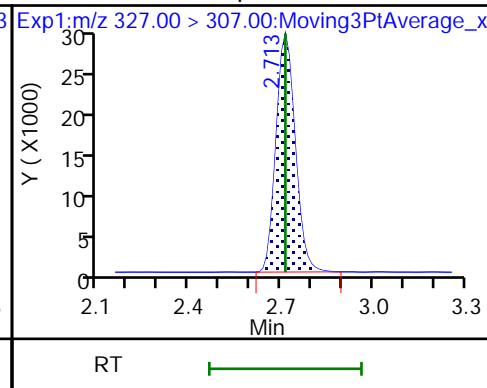
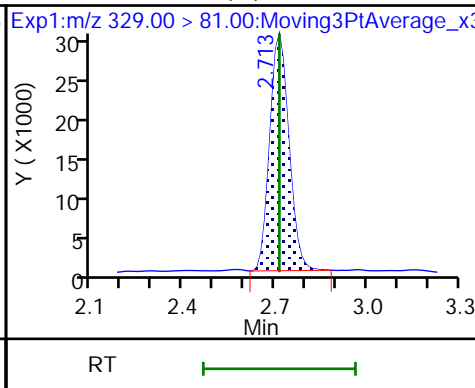
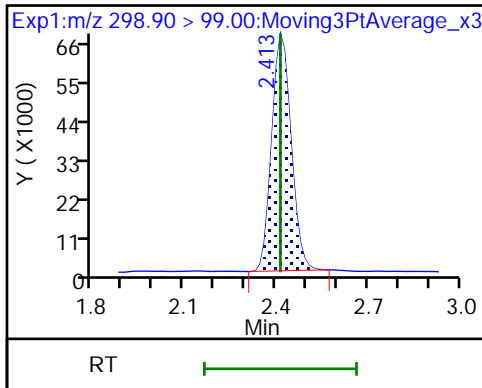
5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid

D 60 M2-4:2 FTS (M)

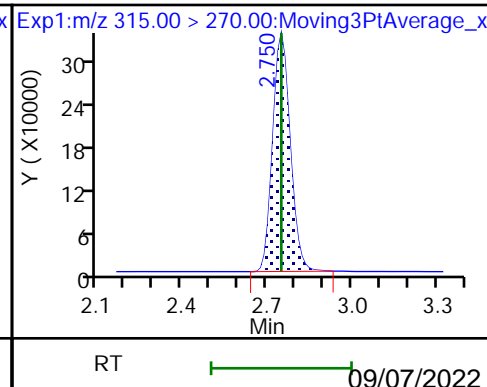
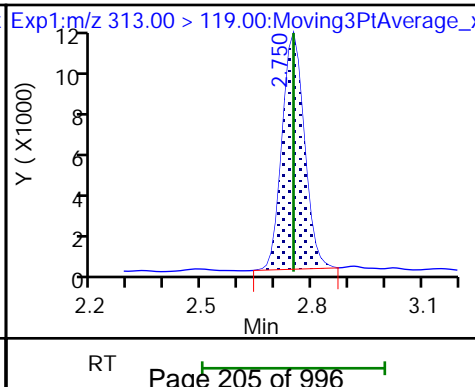
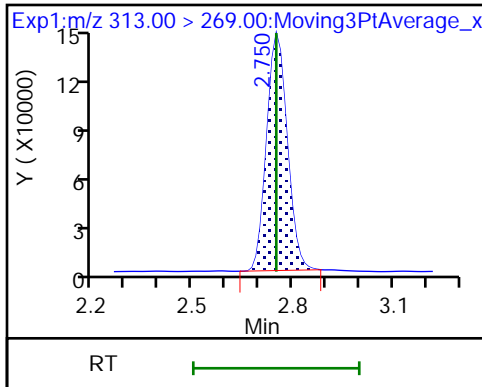
61 1H,1H,2H,2H-perfluorohexanesulfo

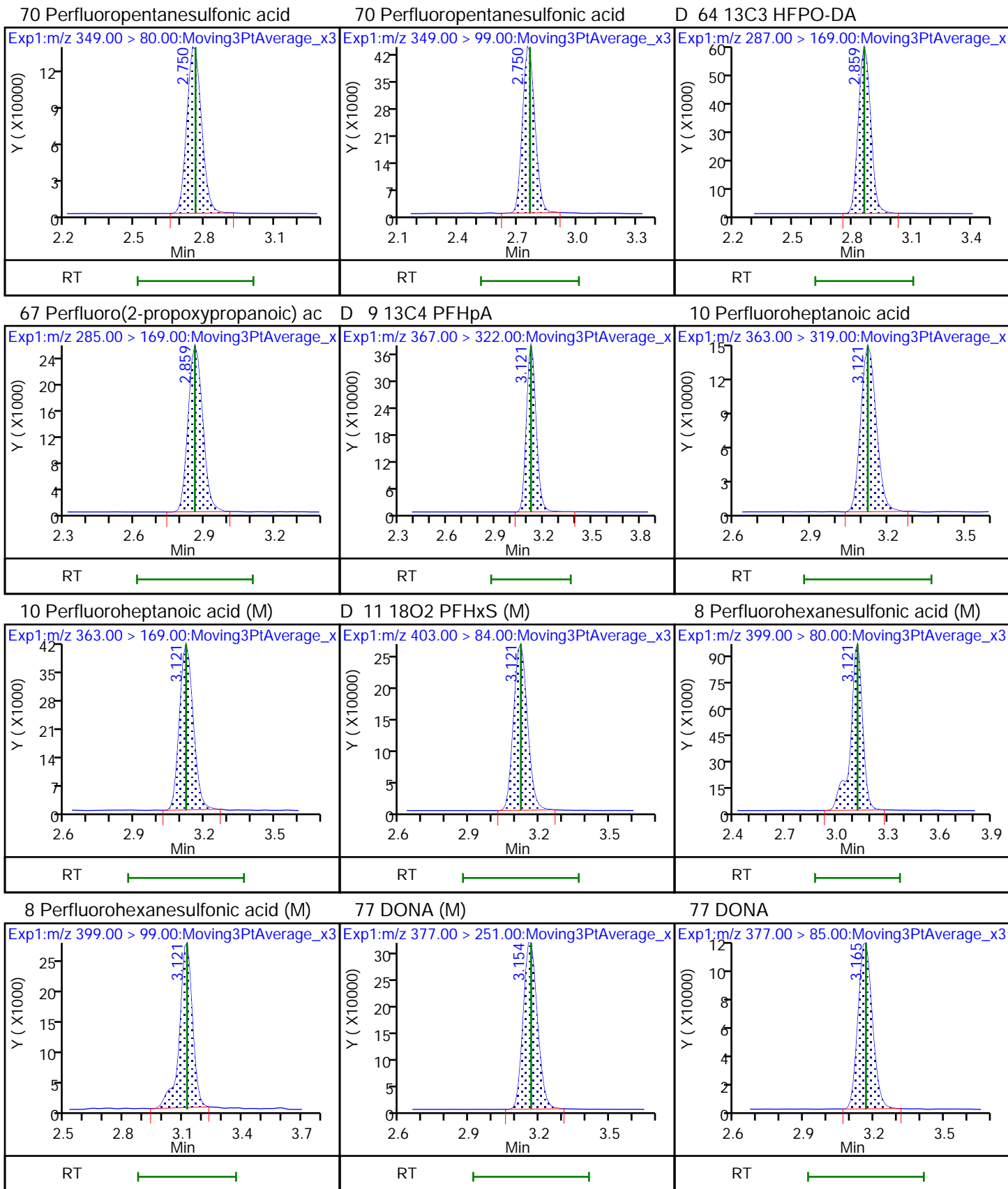


6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid (M)

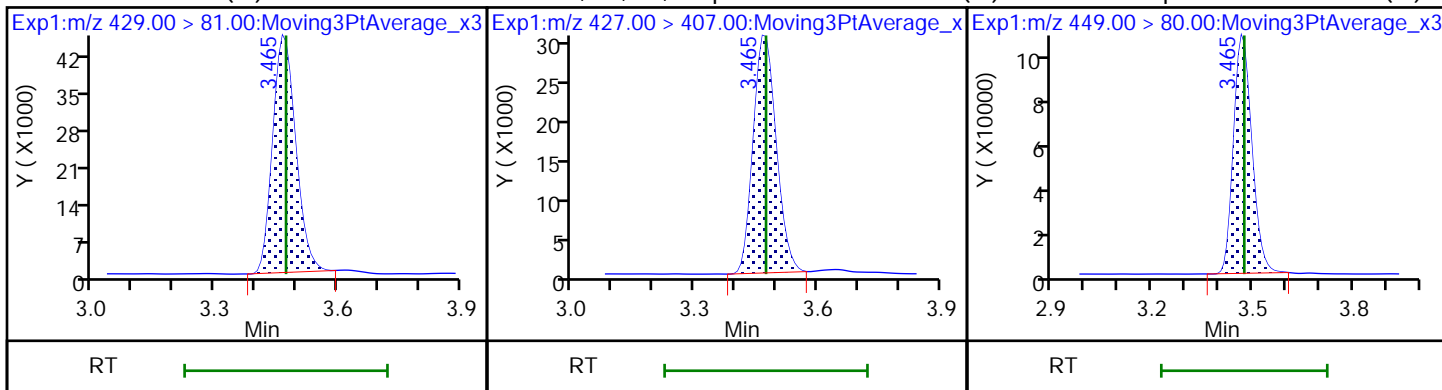
D 7 13C2 PFHxA





D 12 M2-6:2 FTS (M)

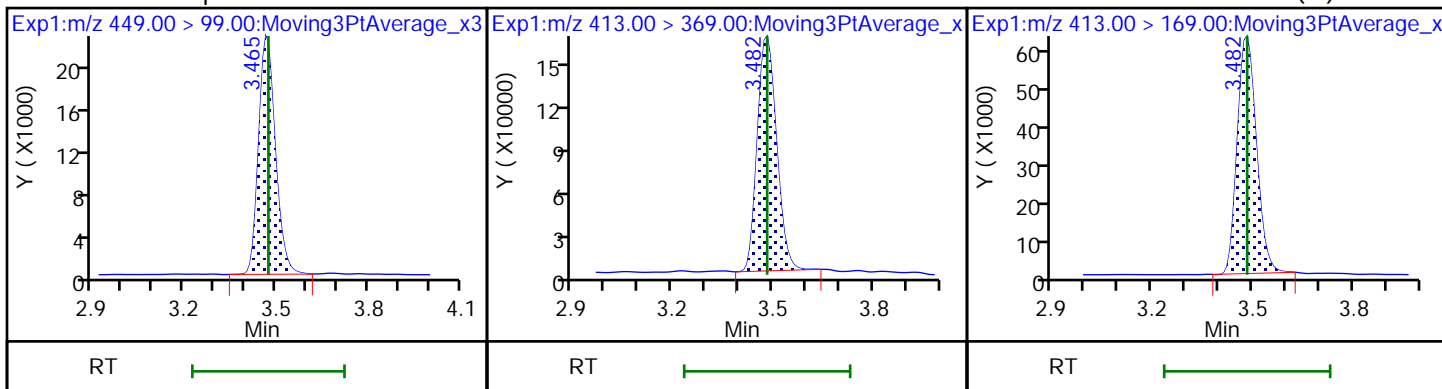
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 6 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid

15 Perfluorooctanoic acid

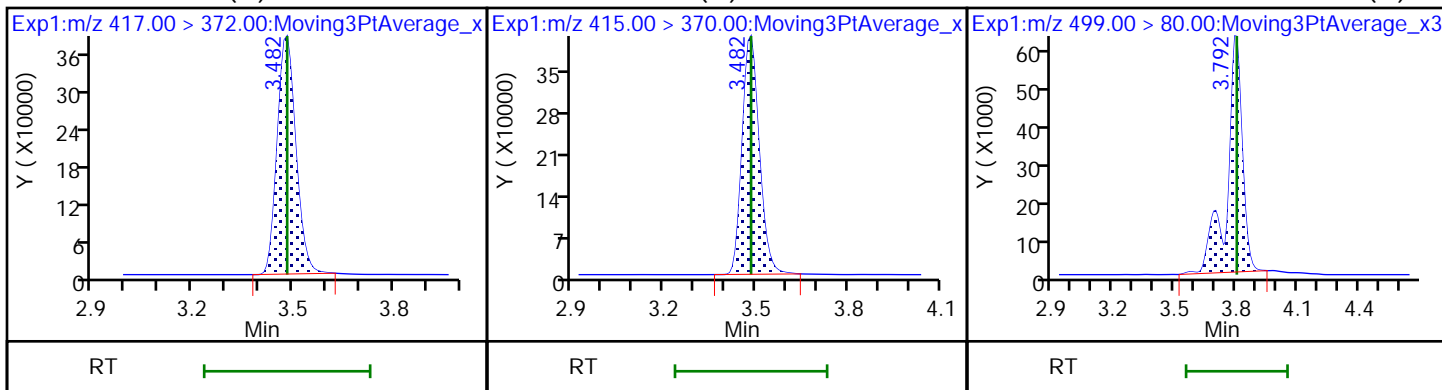
15 Perfluorooctanoic acid (M)



D 14 13C4 PFOA (M)

* 62 13C2 PFOA (M)

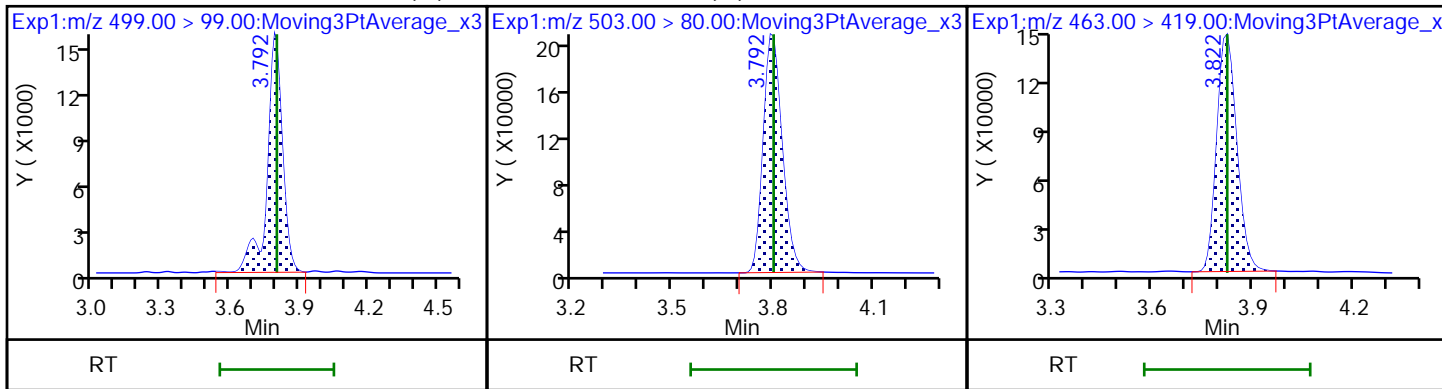
17 Perfluorooctanesulfonic acid (M)

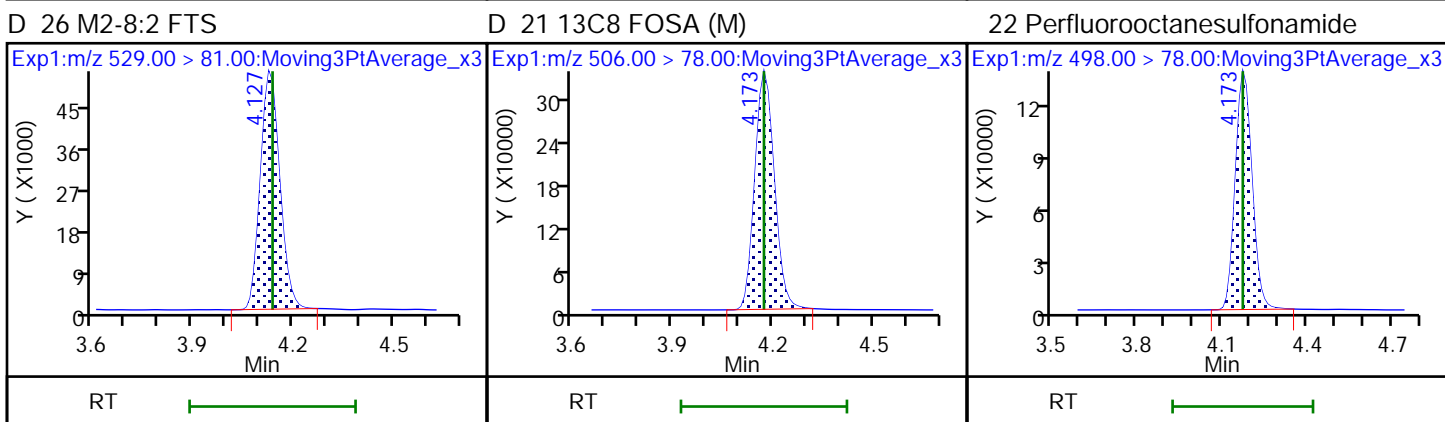
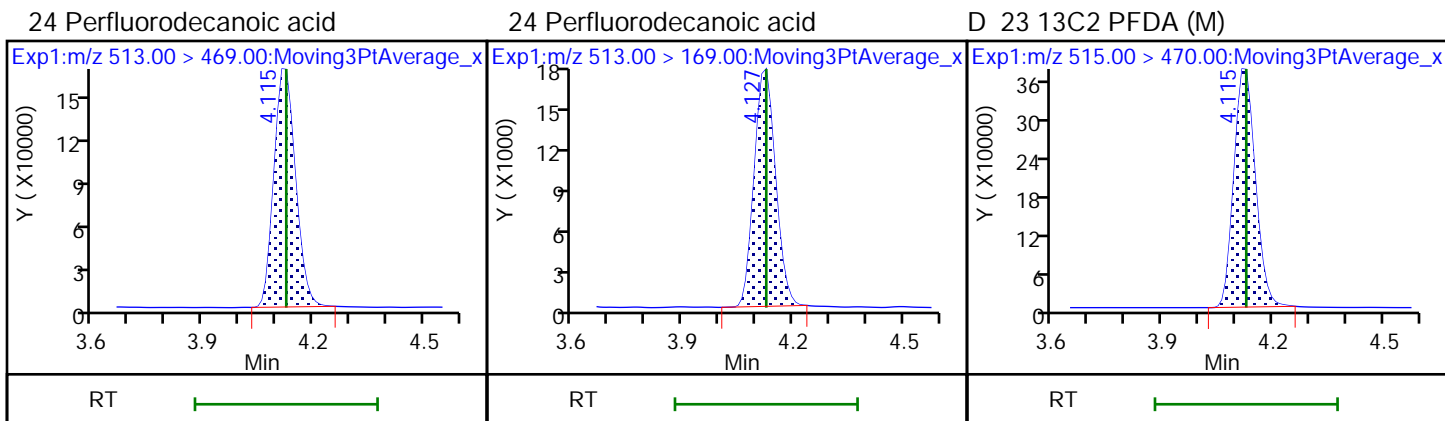
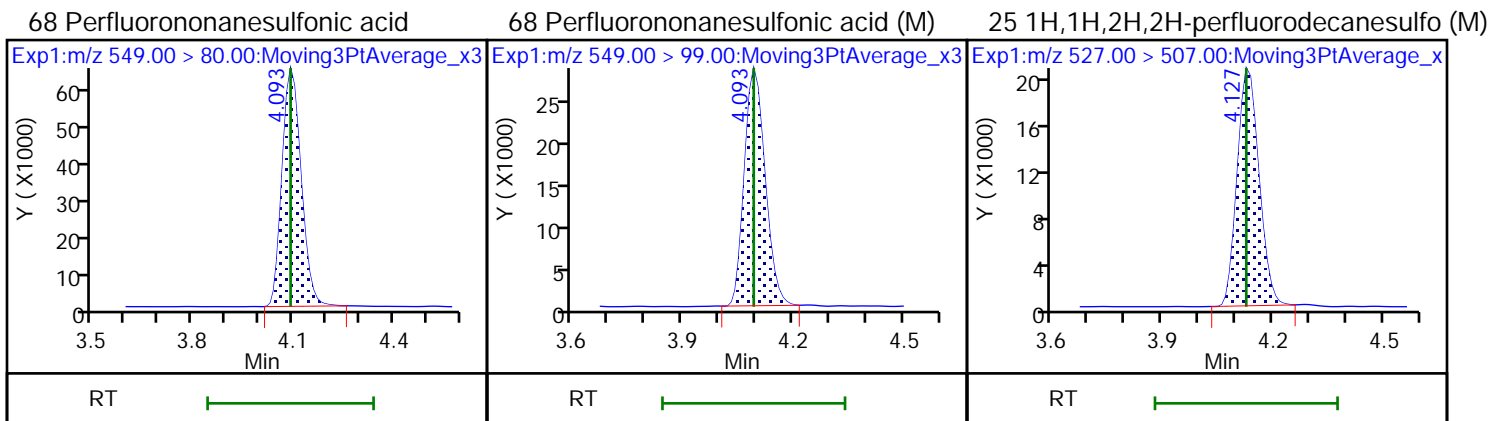
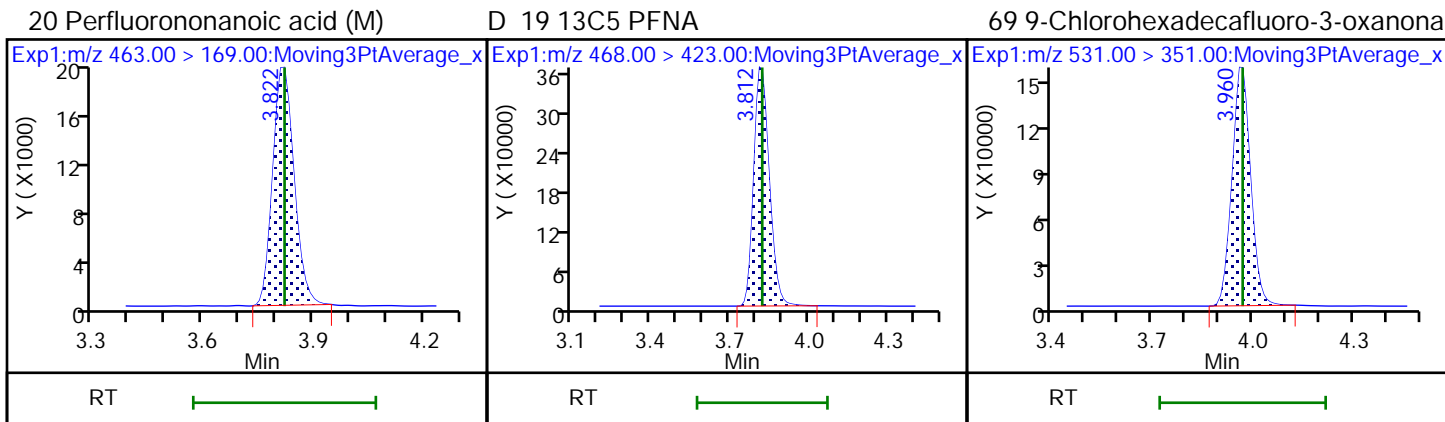


17 Perfluorooctanesulfonic acid (M)

D 18 13C4 PFOS (M)

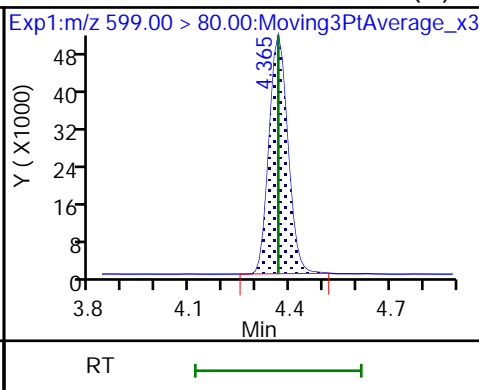
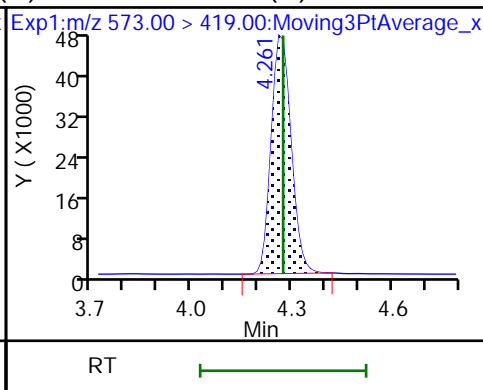
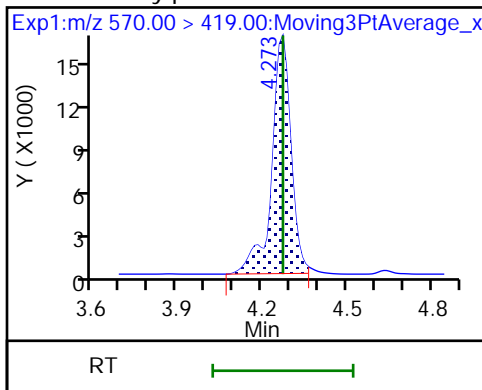
20 Perfluorononanoic acid





28 N-methylperfluorooctanesulfonami (M) 27 d3-NMeFOSAA (M)

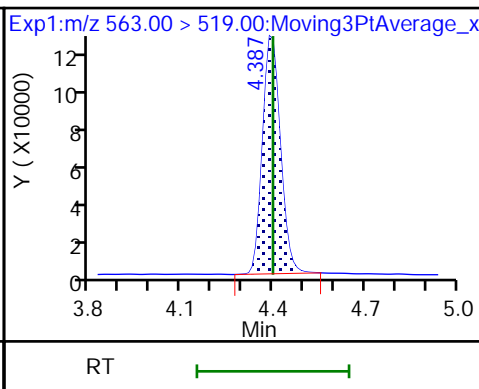
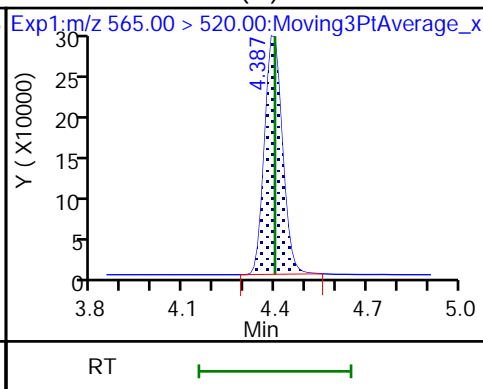
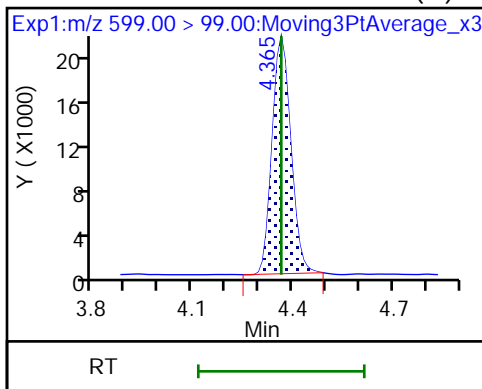
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

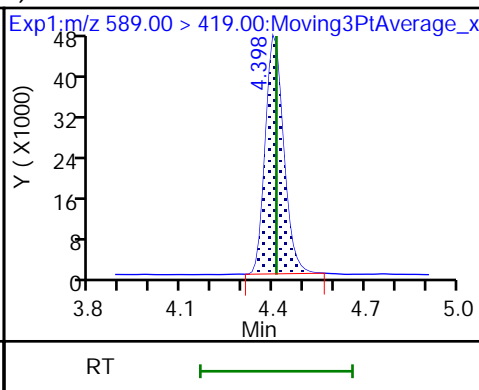
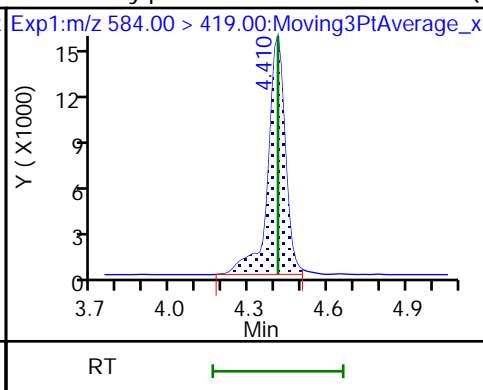
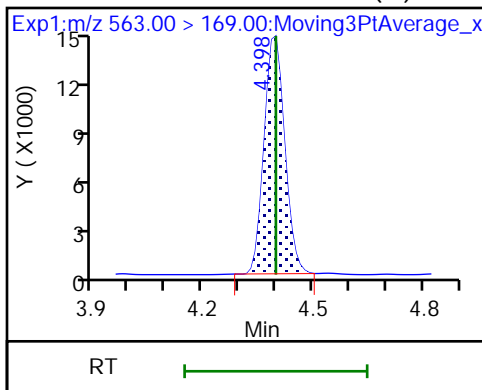
D 30 13C2 PFUaA (M)

31 Perfluoroundecanoic acid



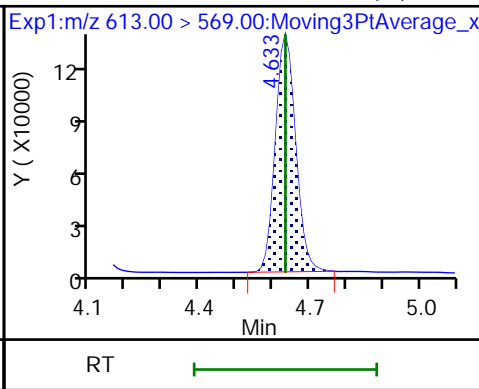
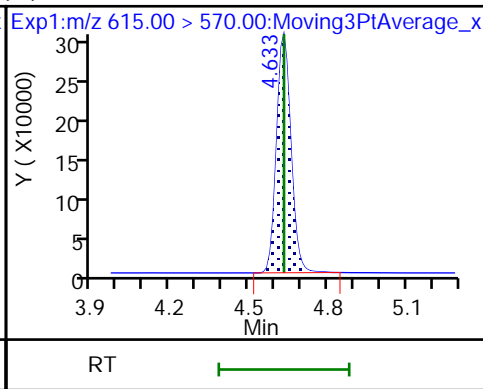
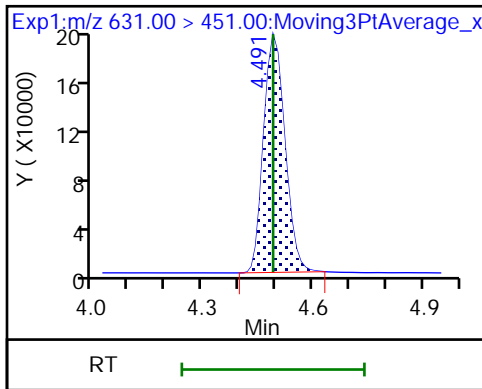
31 Perfluoroundecanoic acid (M)

33 N-ethylperfluorooctanesulfonamid (M) 32 d5-NEtFOSAA



66 11-Chloroeicosafuoro-3-oxaundec (M) 36 13C2 PFDoA

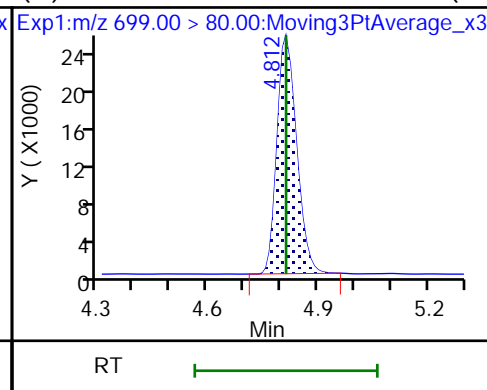
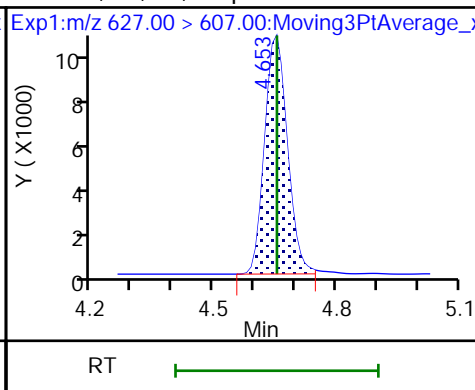
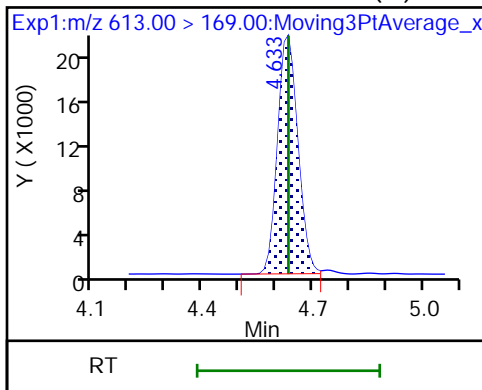
37 Perfluorododecanoic acid (M)



37 Perfluorododecanoic acid (M)

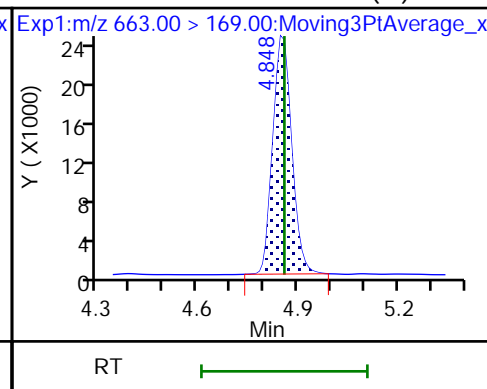
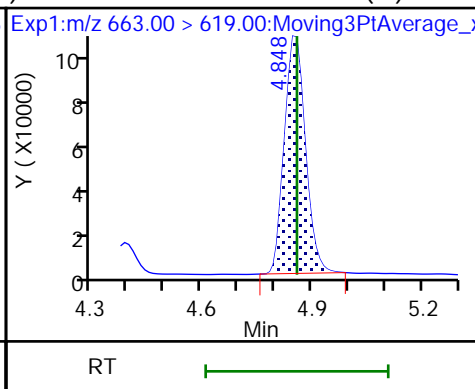
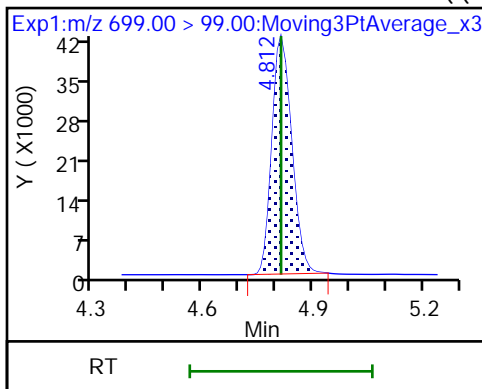
74 1H,1H,2H,2H-perfluorododecanesul (M)

75 Perfluorododecanesulfonic acid (M)



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

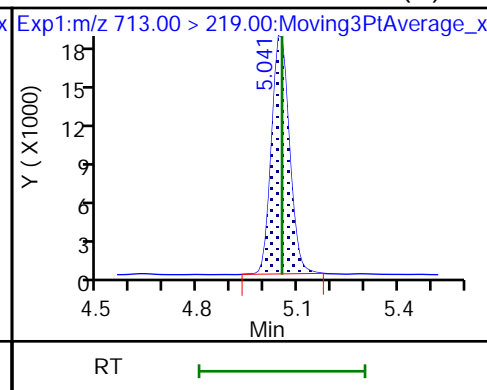
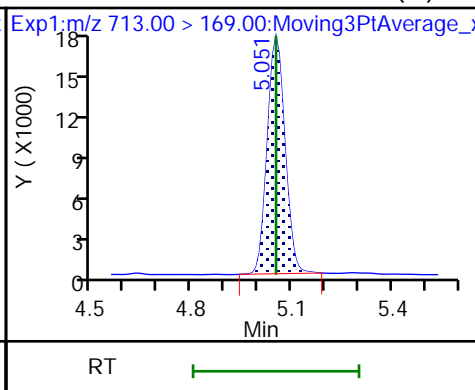
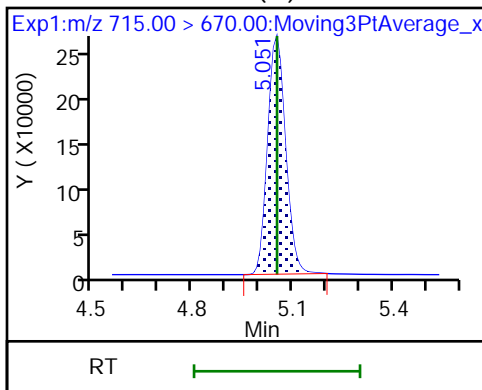
41 Perfluorotridecanoic acid (M)



D 43 13C2 PFTeDA (M)

42 Perfluorotetradecanoic acid (M)

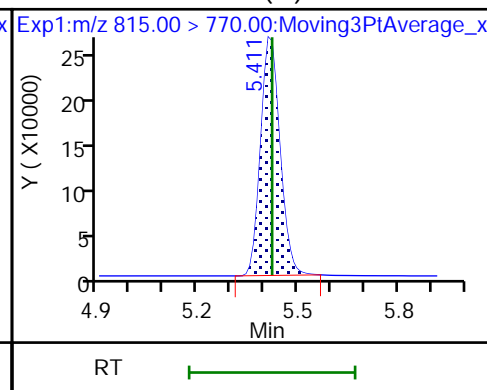
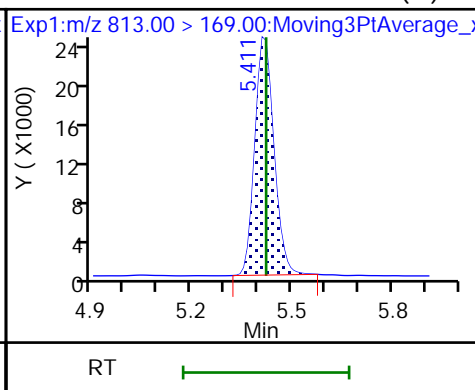
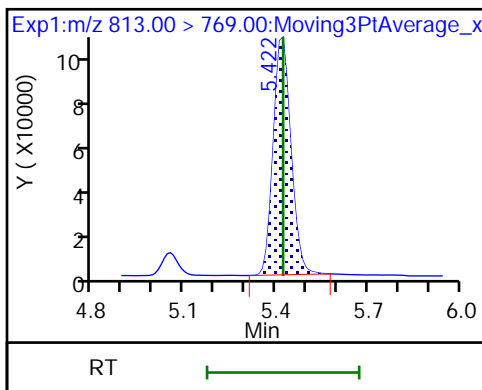
42 Perfluorotetradecanoic acid (M)



45 Perfluorohexadecanoic acid

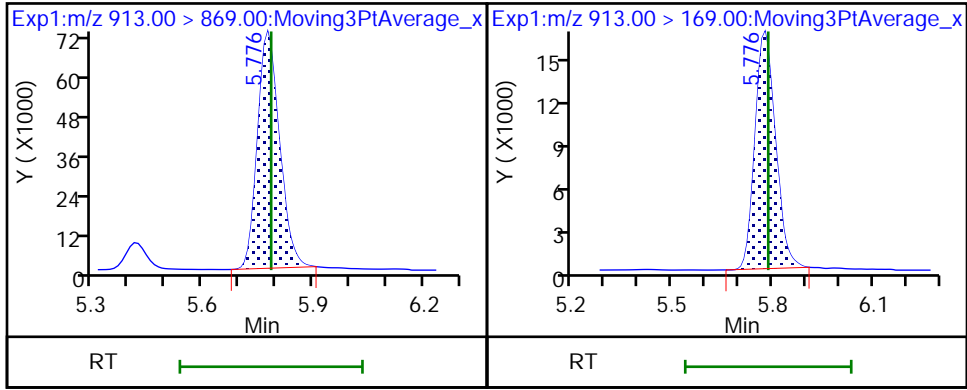
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA (M)



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



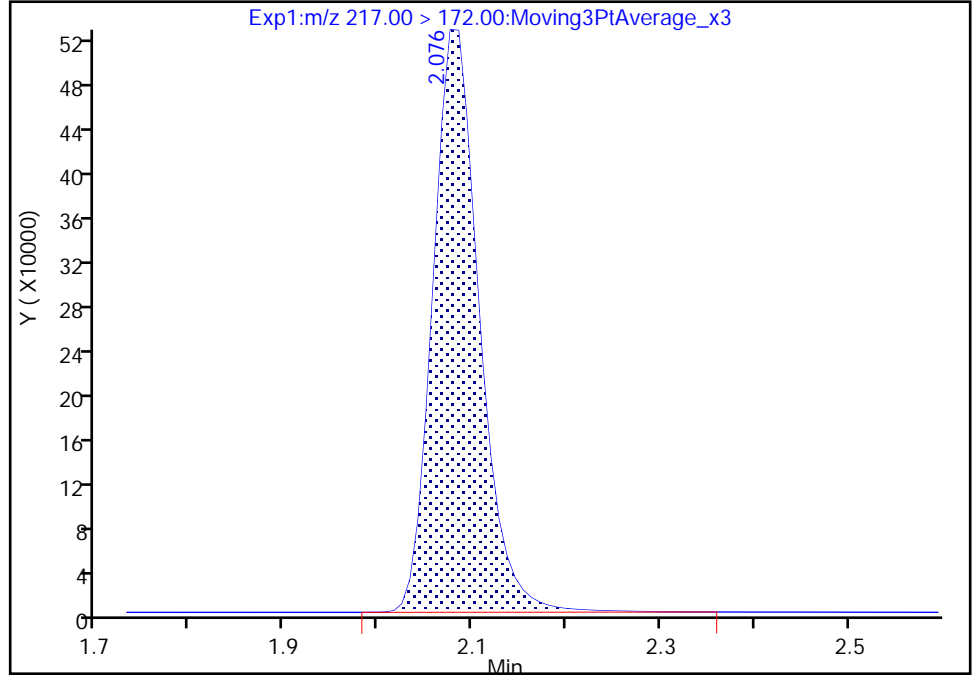
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 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 1 13C4 PFBA, CAS: STL00992
Signal: 1

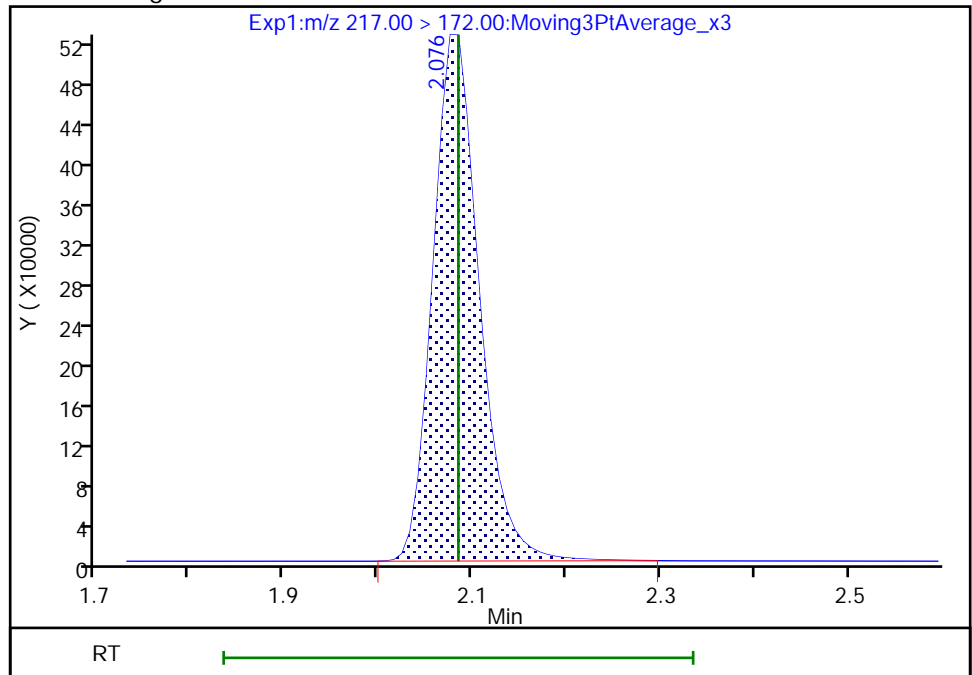
RT: 2.08
Area: 1795345
Amount: 1.268232
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 1792010
Amount: 1.225097
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:39:39
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

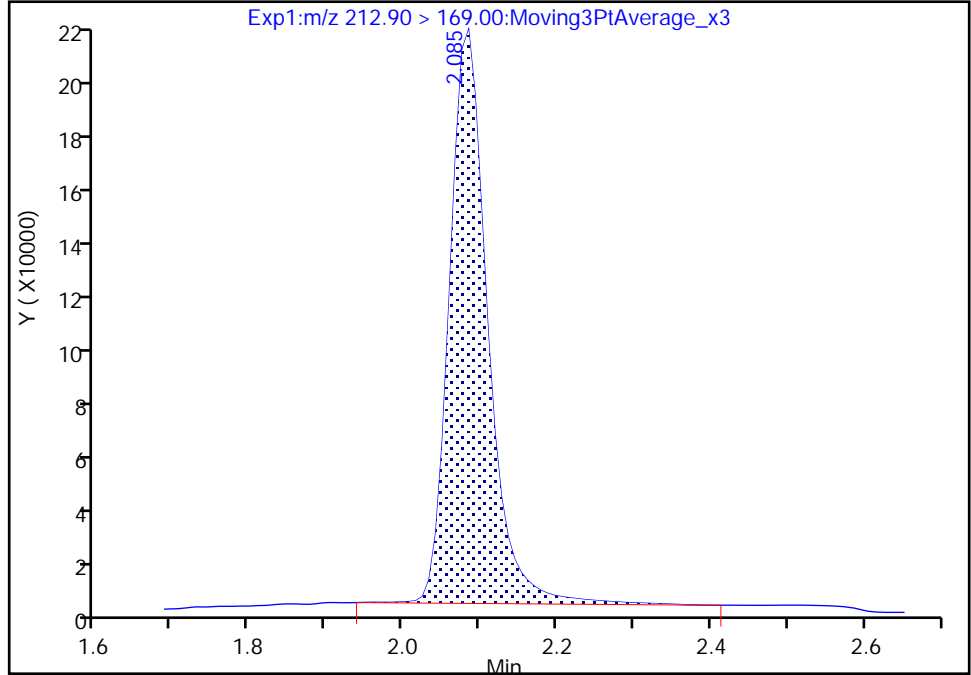
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

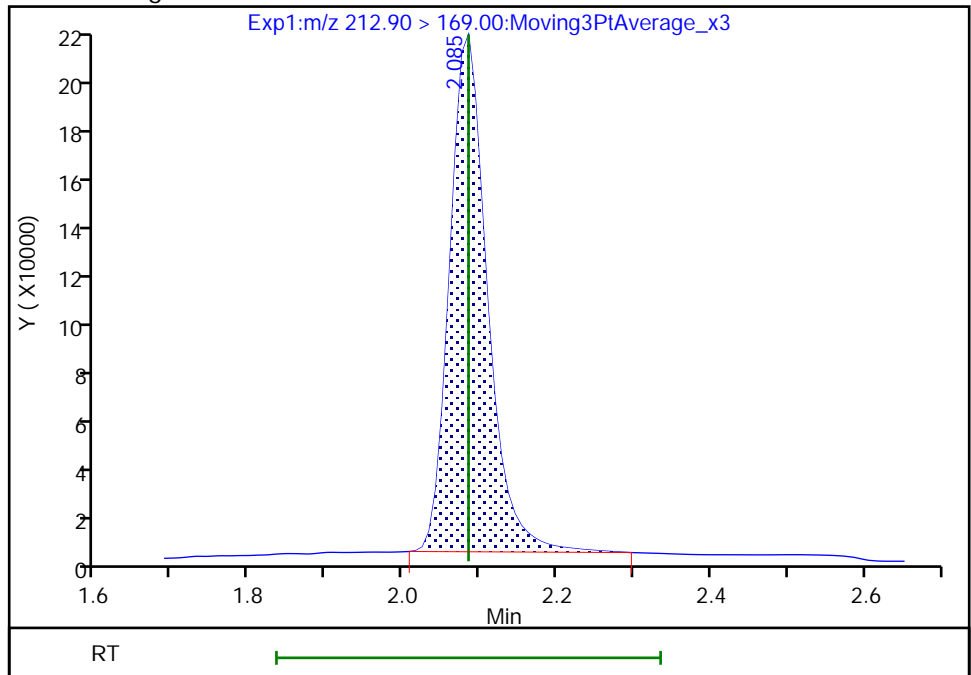
RT: 2.08
Area: 724572
Amount: 0.519802
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 711450
Amount: 0.511777
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

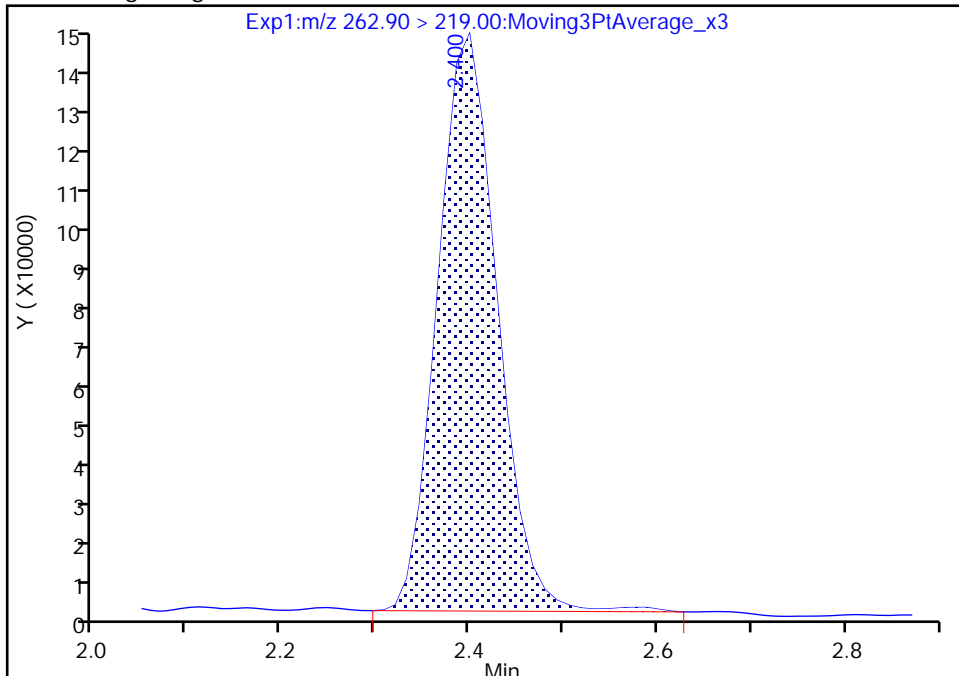
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

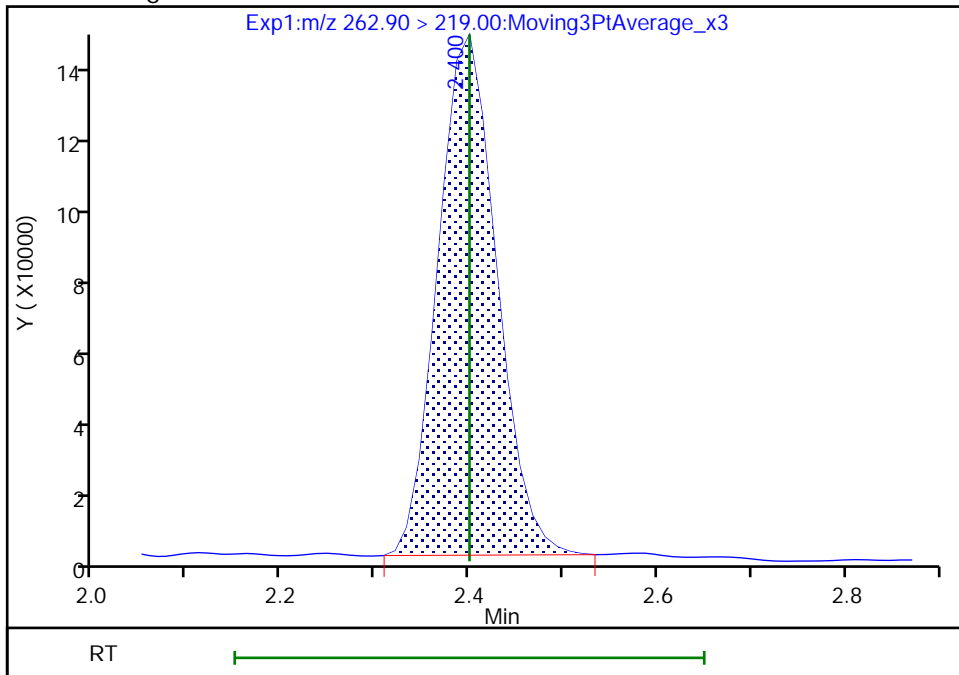
RT: 2.40
Area: 600040
Amount: 0.507888
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 591383
Amount: 0.503976
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:39:47
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

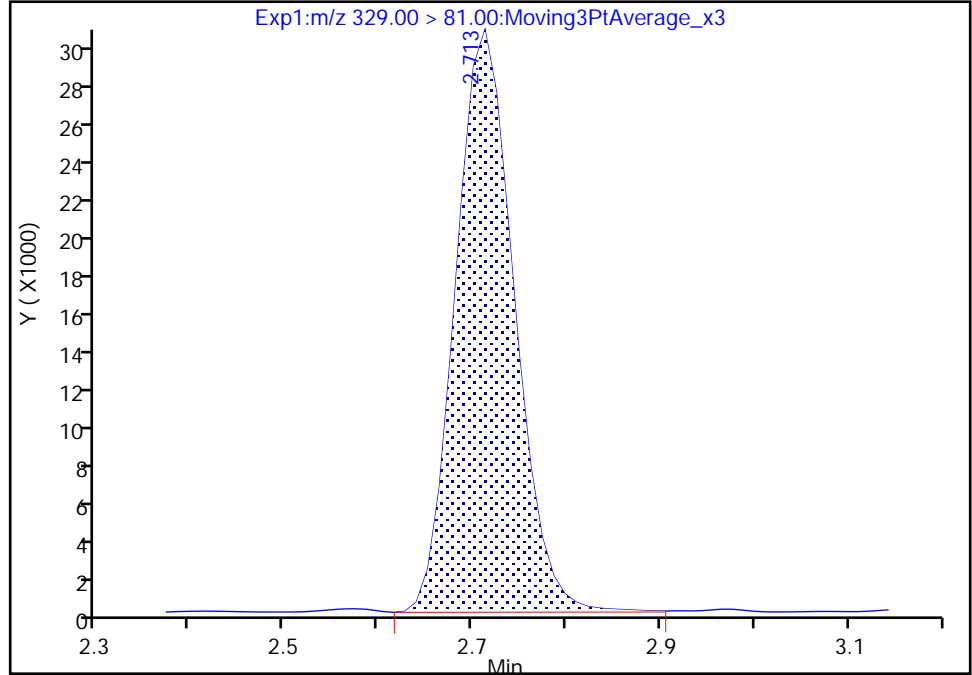
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 60 M2-4:2 FTS, CAS: STL02395

Signal: 1

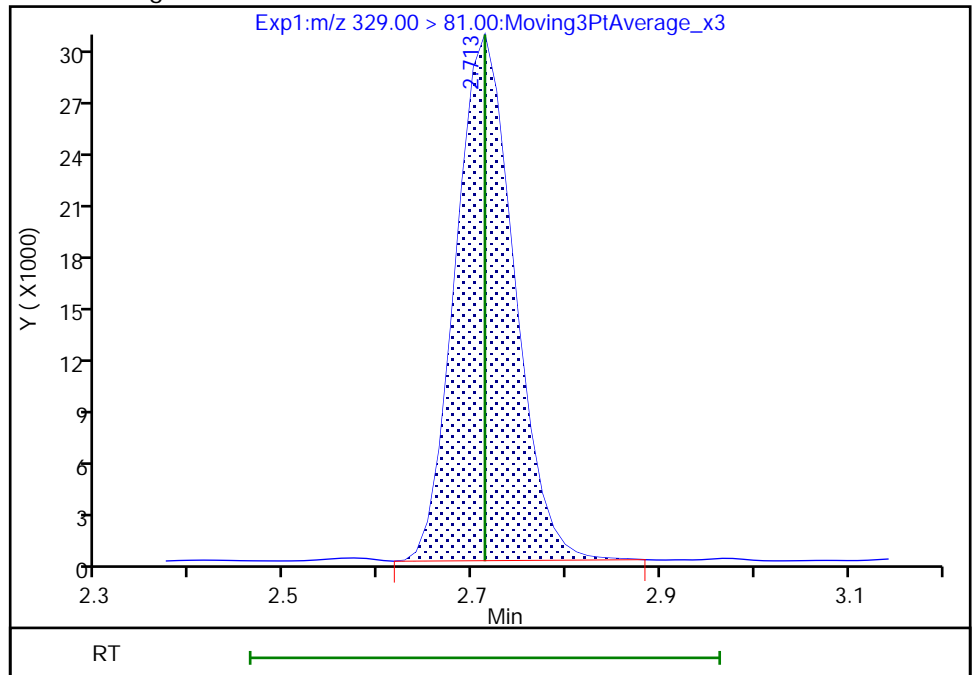
RT: 2.71
Area: 130969
Amount: 1.103533
Amount Units: ng/ml

Processing Integration Results



RT: 2.71
Area: 130321
Amount: 1.162809
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

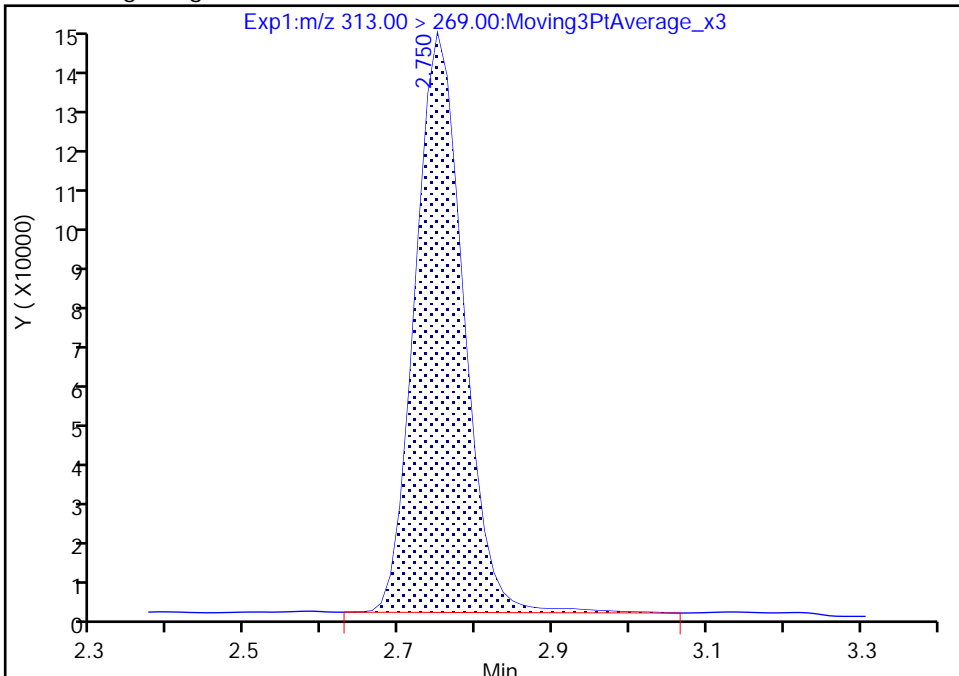
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

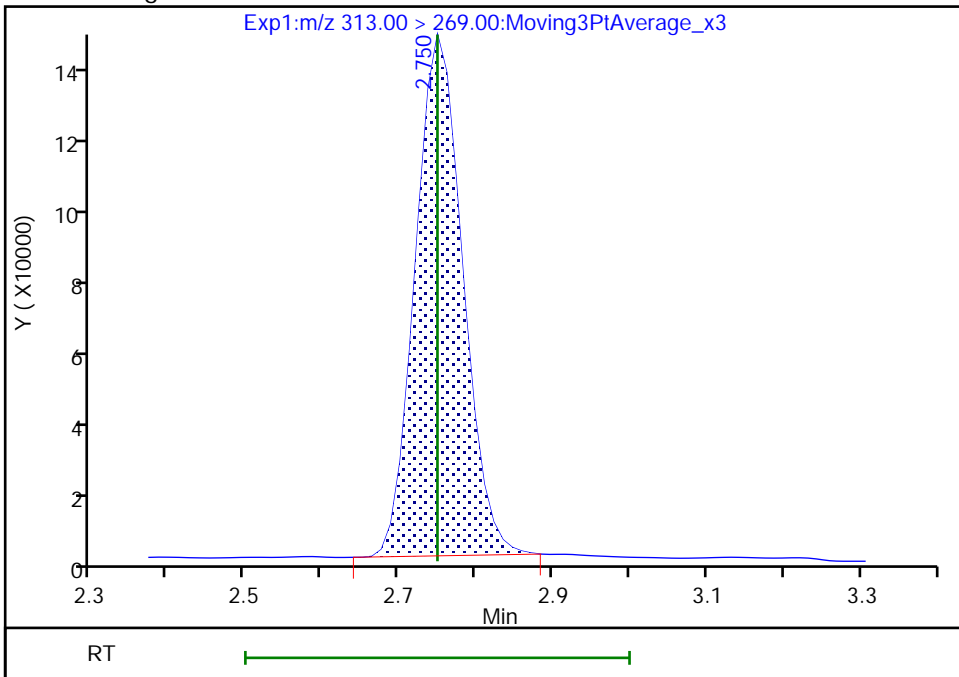
RT: 2.75
Area: 614701
Amount: 0.504369
Amount Units: ng/ml

Processing Integration Results



RT: 2.75
Area: 601465
Amount: 0.502807
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:40:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

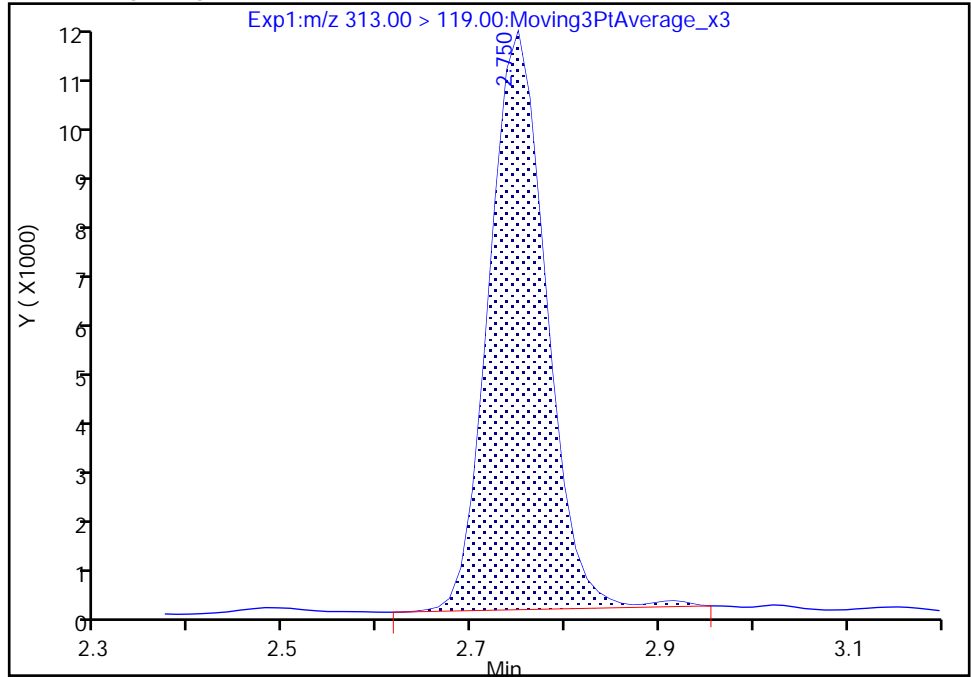
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

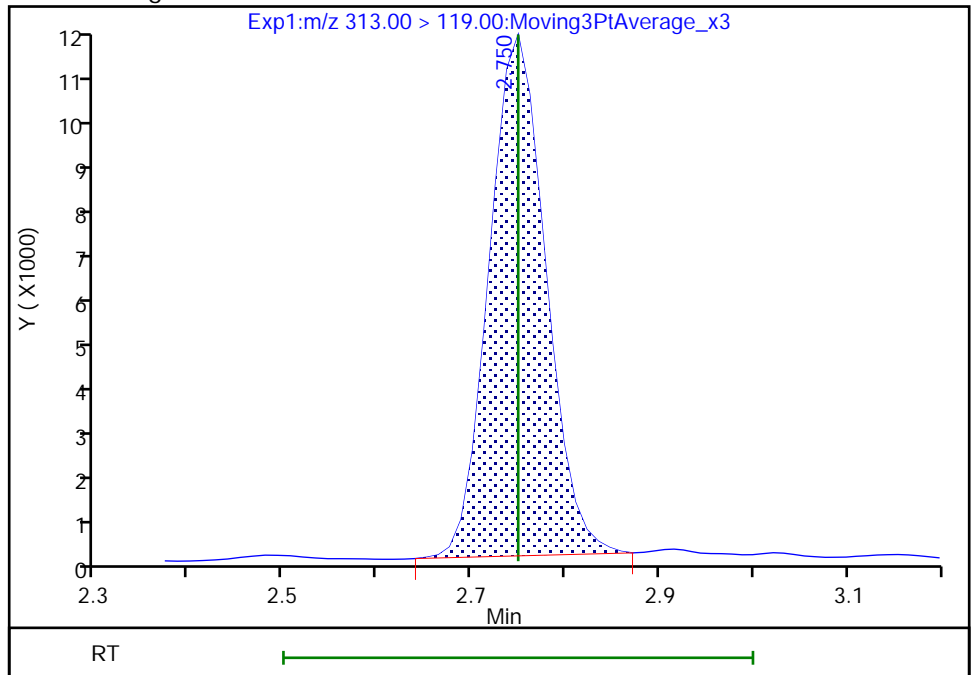
RT: 2.75
Area: 48784
Amount: 0.504369
Amount Units: ng/ml

Processing Integration Results



RT: 2.75
Area: 48082
Amount: 0.502807
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:40:10

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

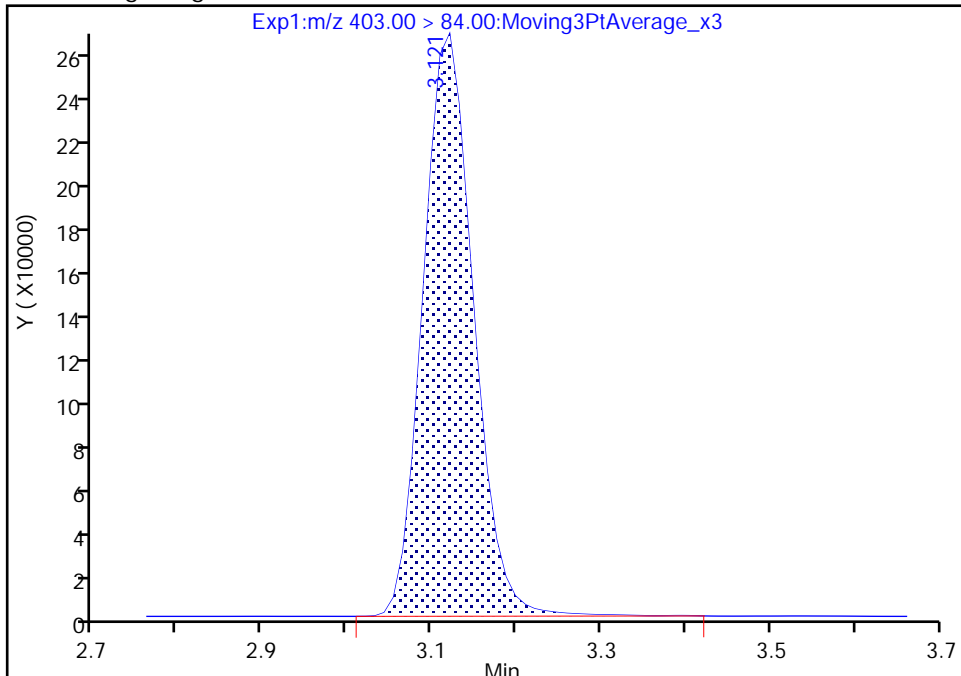
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 11 18O2 PFHxS, CAS: STL00994

Signal: 1

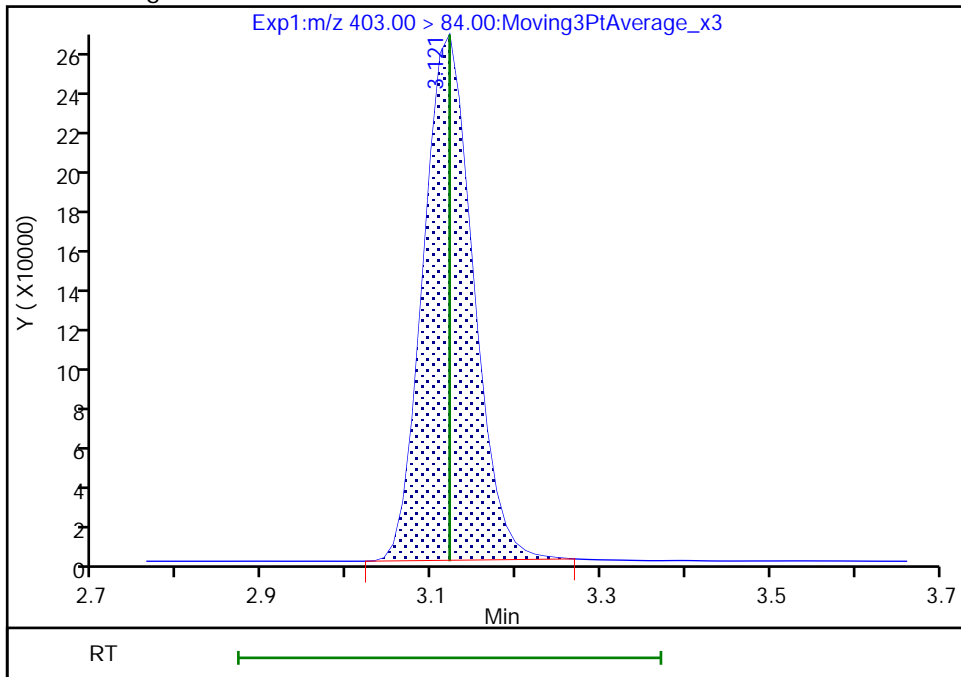
RT: 3.12
Area: 1081890
Amount: 1.032276
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 1070938
Amount: 1.169661
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:40:40
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

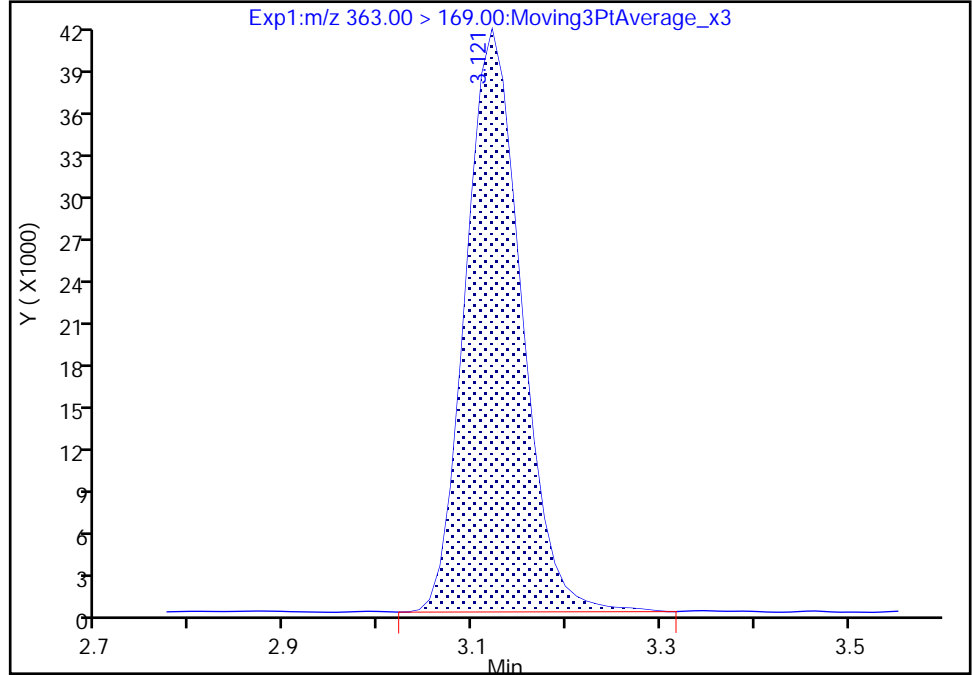
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Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

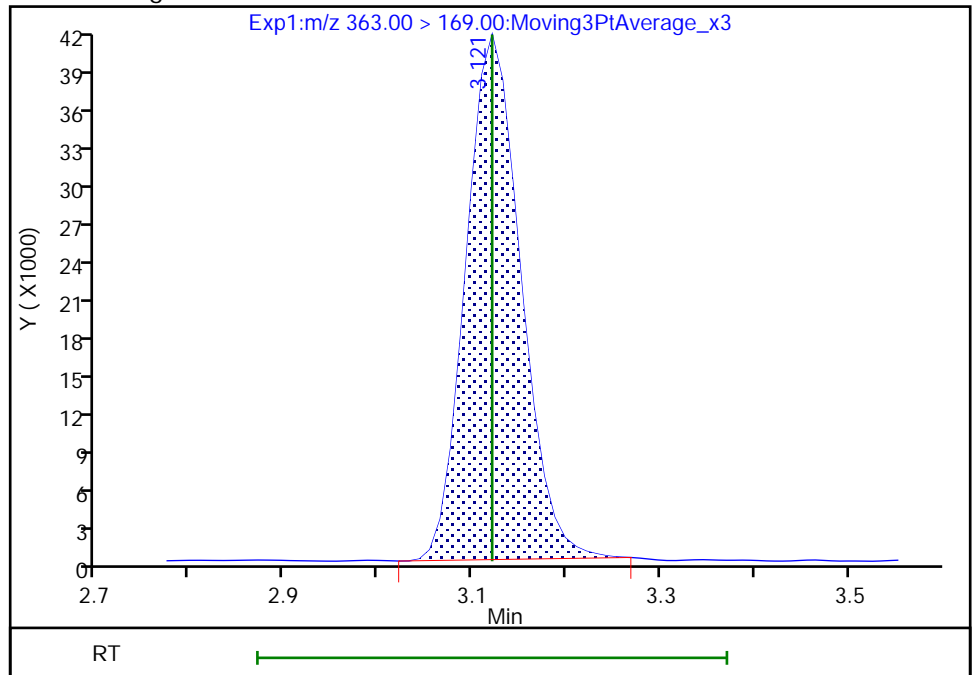
RT: 3.12
Area: 170845
Amount: 0.479503
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 168702
Amount: 0.479394
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:40:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

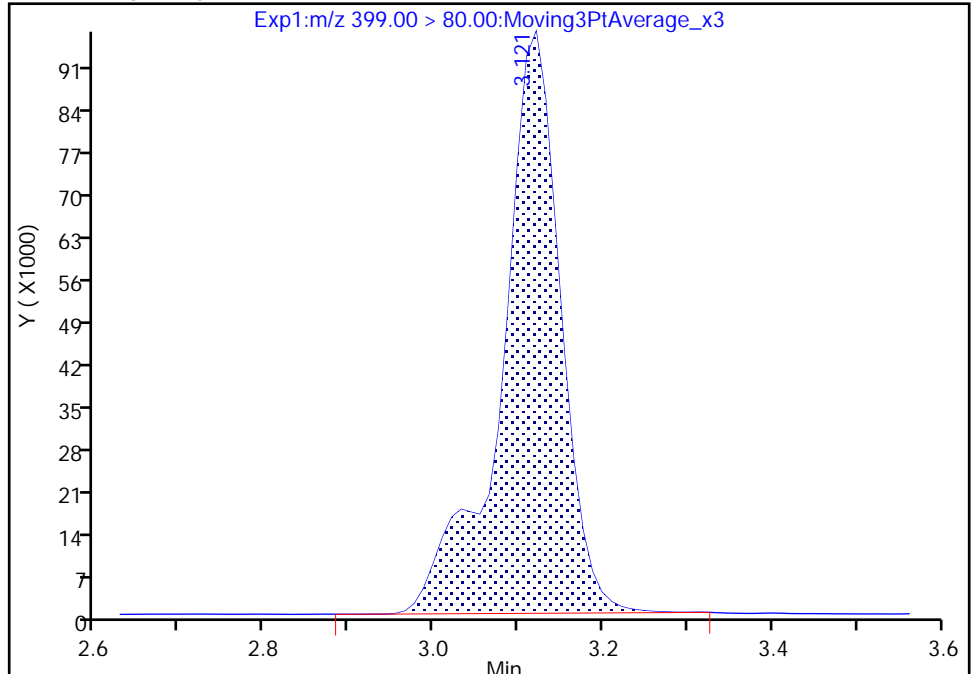
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

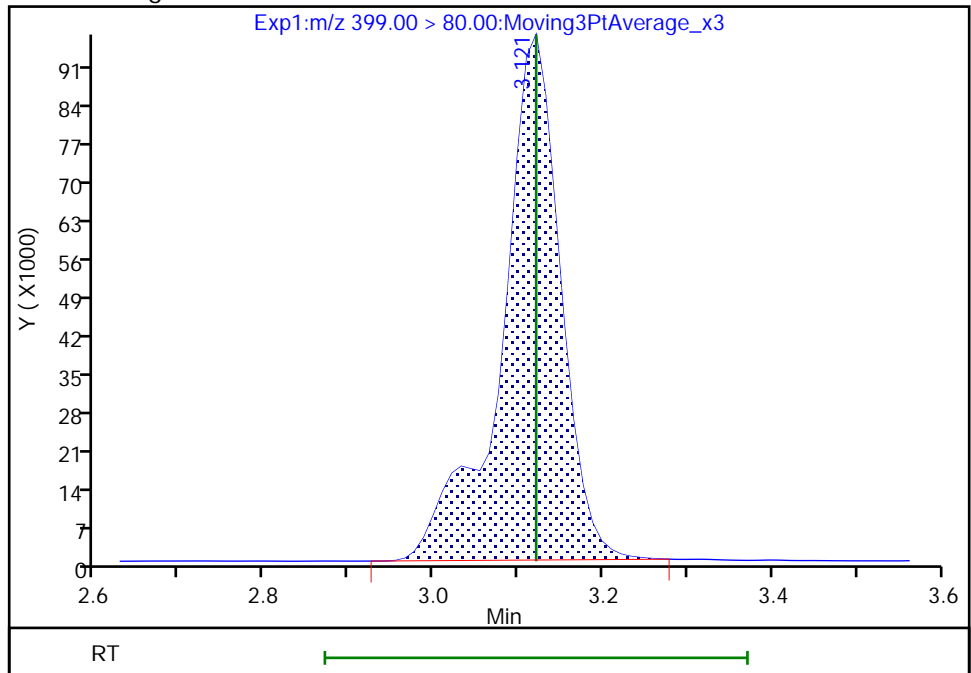
RT: 3.12
Area: 470116
Amount: 0.460972
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 469103
Amount: 0.469627
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:40:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

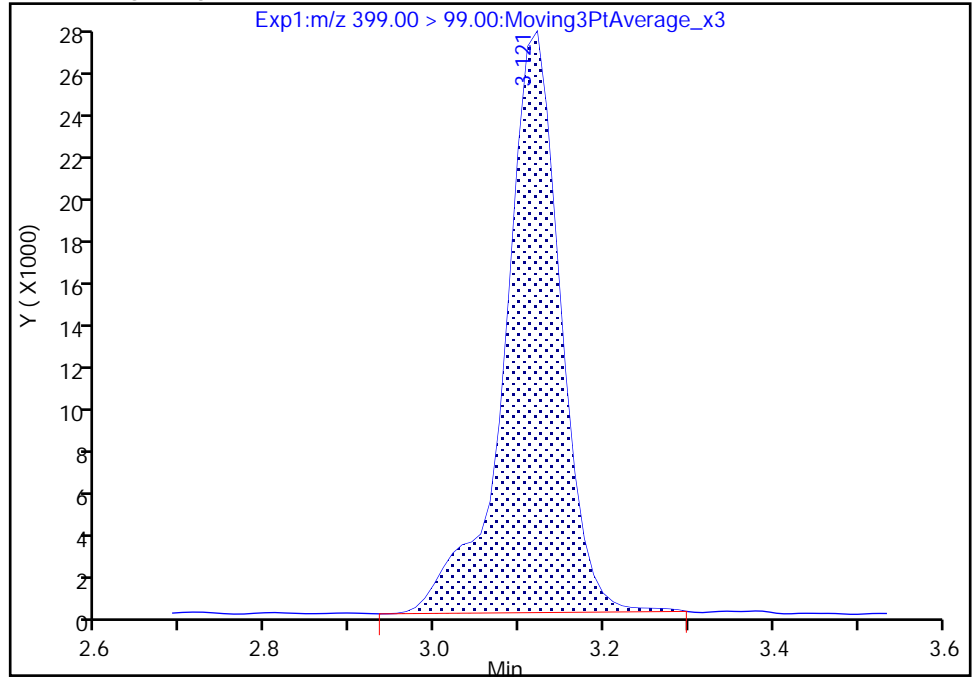
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

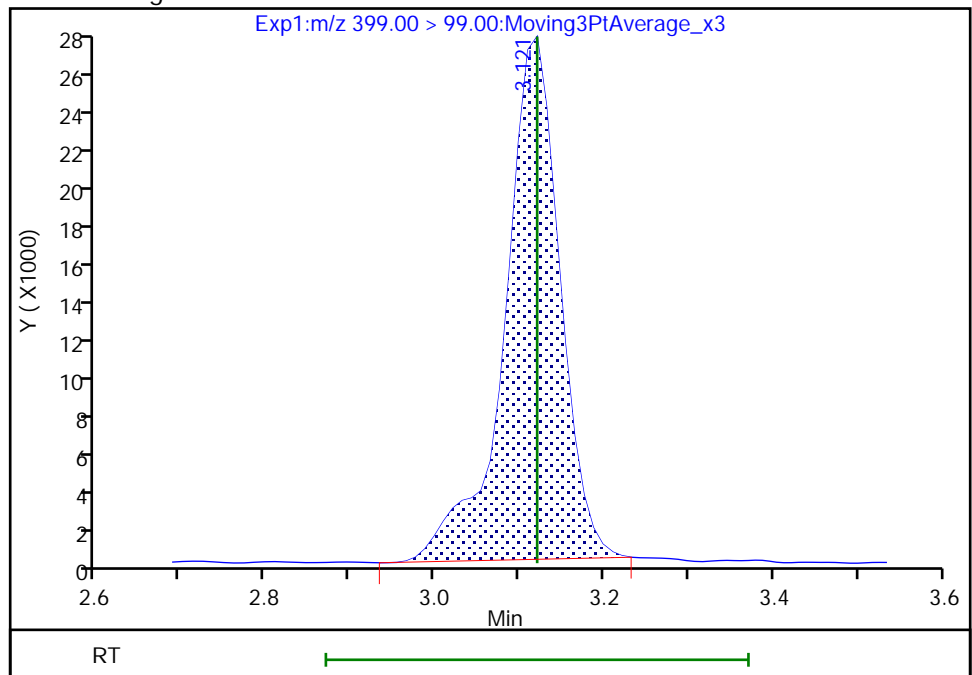
RT: 3.12
Area: 126783
Amount: 0.460972
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 124544
Amount: 0.469627
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:40:35

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

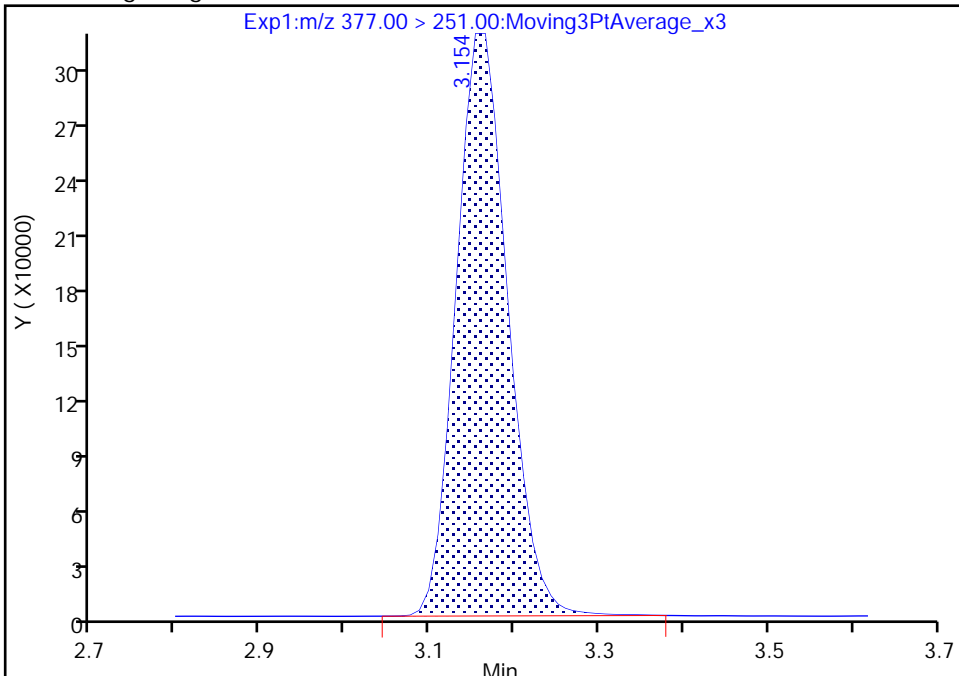
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 1

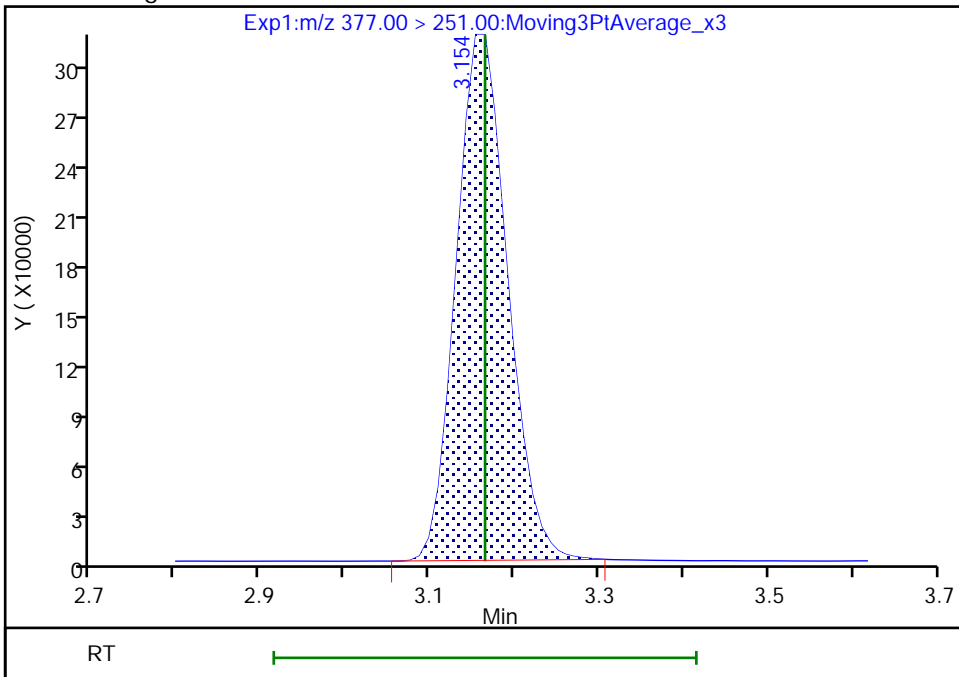
RT: 3.15
Area: 1348943
Amount: 0.639823
Amount Units: ng/ml

Processing Integration Results



RT: 3.15
Area: 1341908
Amount: 0.484012
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:40:55
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

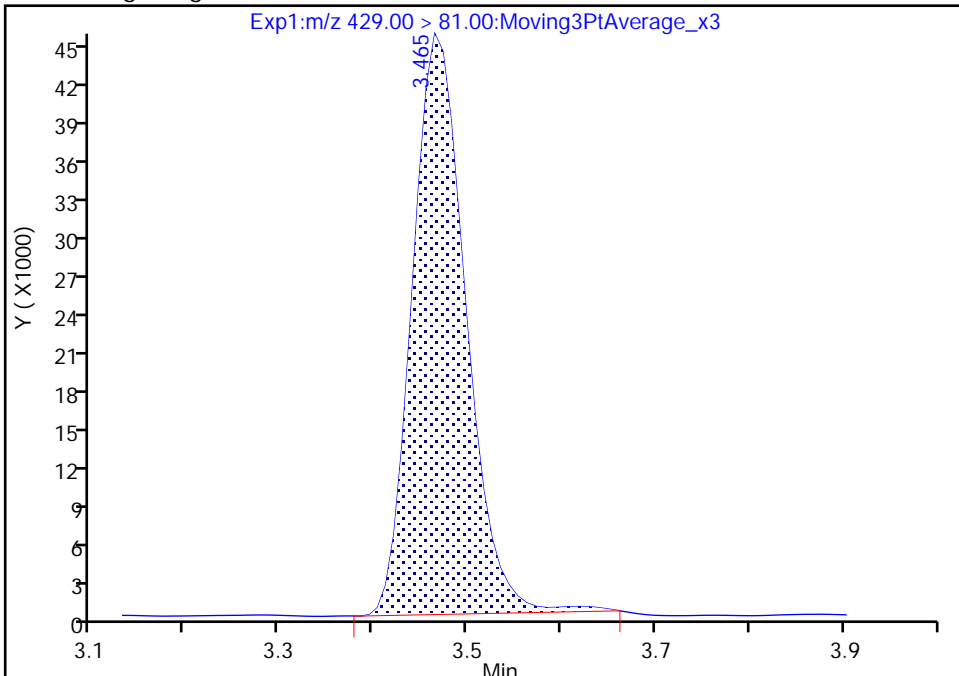
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

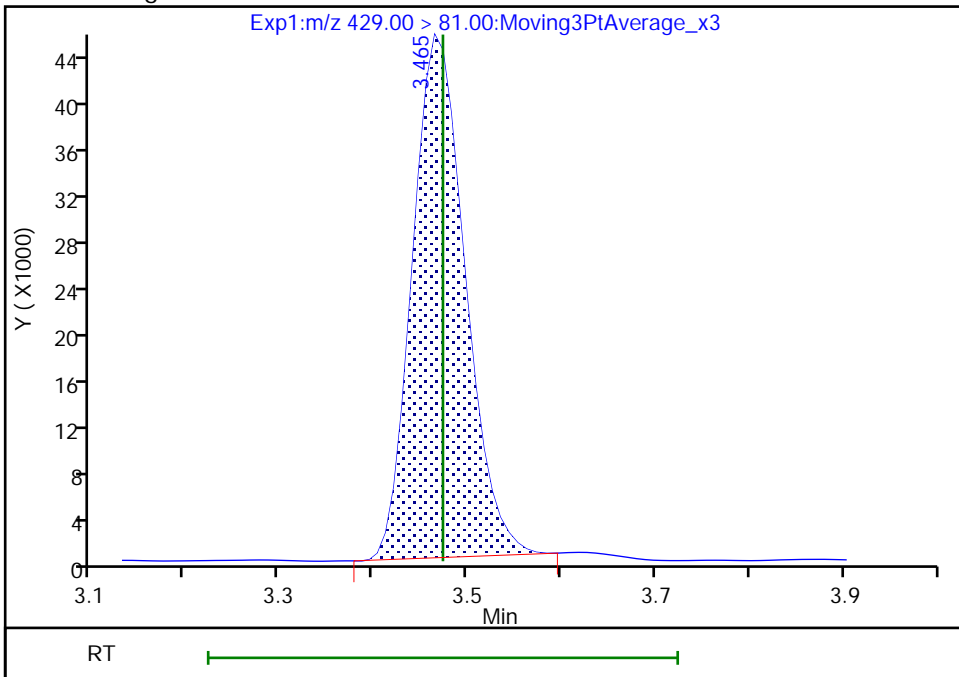
RT: 3.46
Area: 178299
Amount: 1.041540
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 174667
Amount: 1.139789
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:41:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

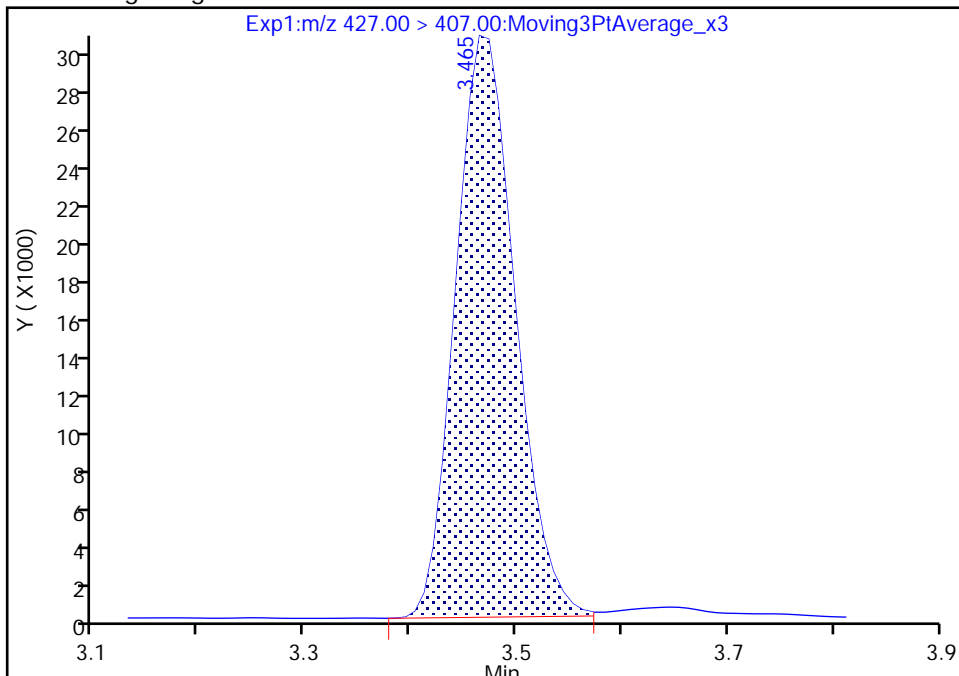
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

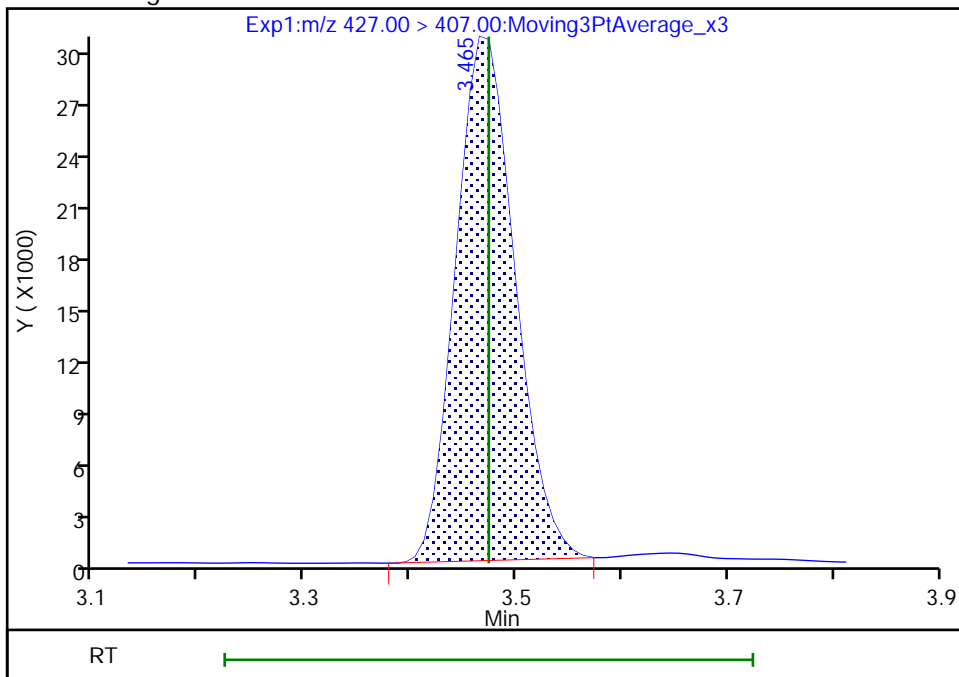
RT: 3.46
Area: 118044
Amount: 0.509396
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 116911
Amount: 0.528649
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:41:17
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

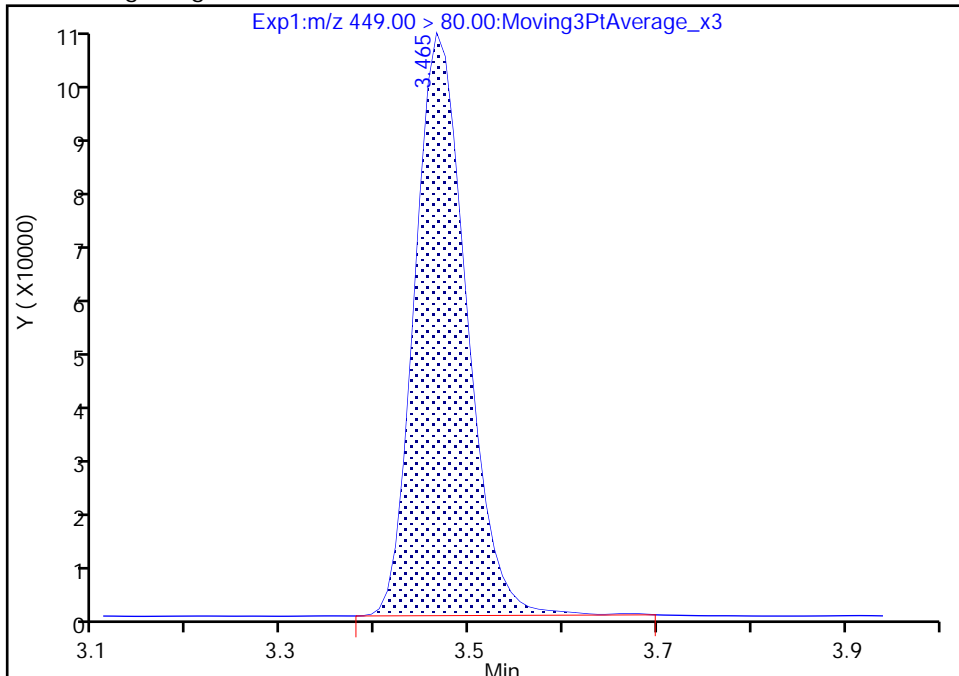
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

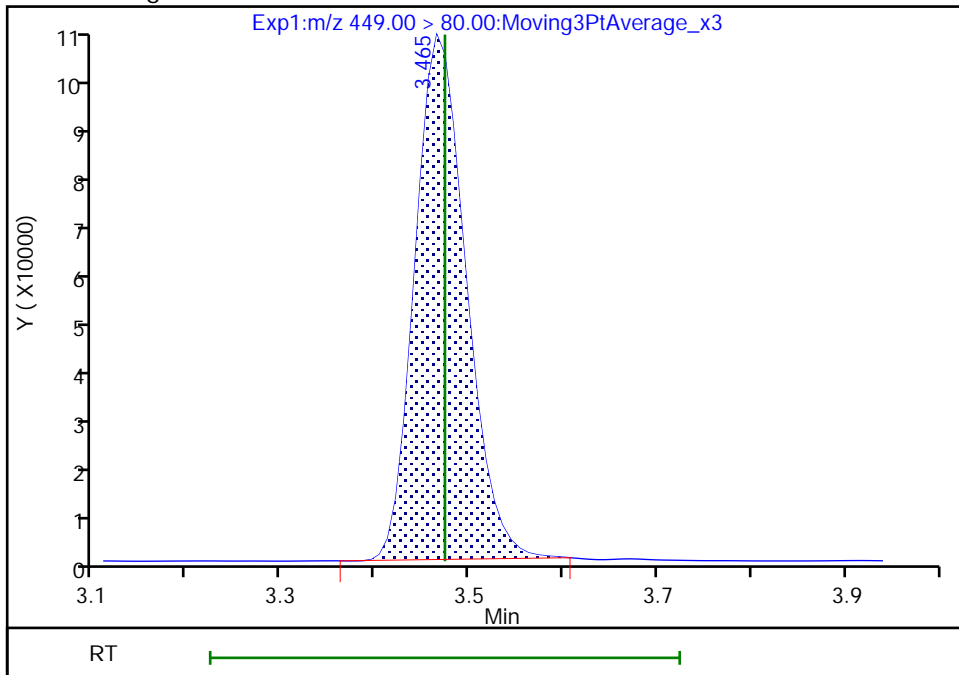
RT: 3.46
Area: 405072
Amount: 0.489238
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 400346
Amount: 0.481187
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:41:13
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

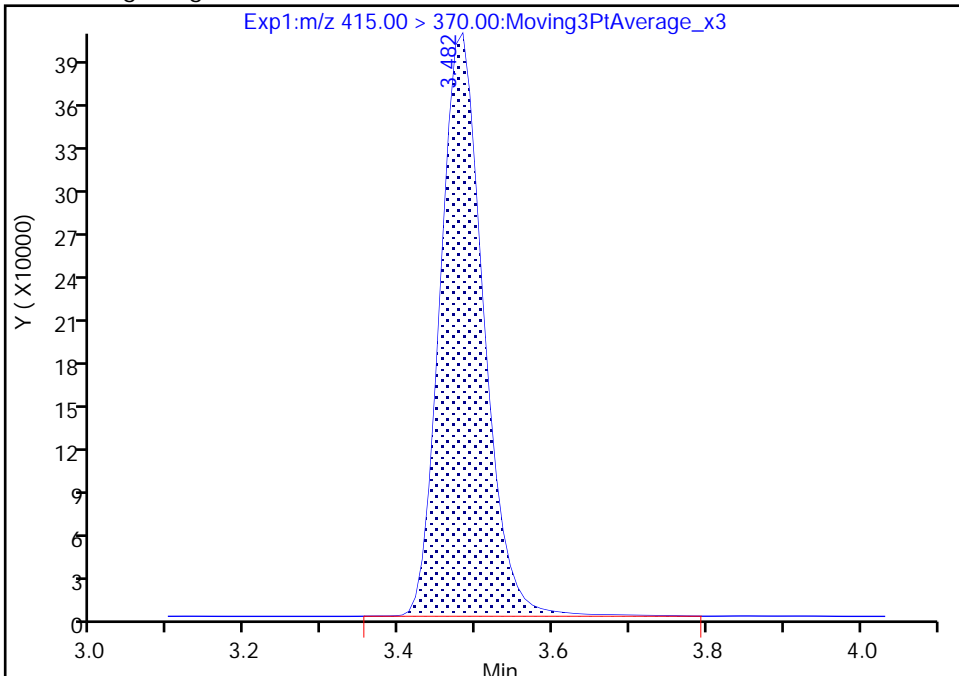
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

* 62 13C2 PFOA, CAS: STL00623

Signal: 1

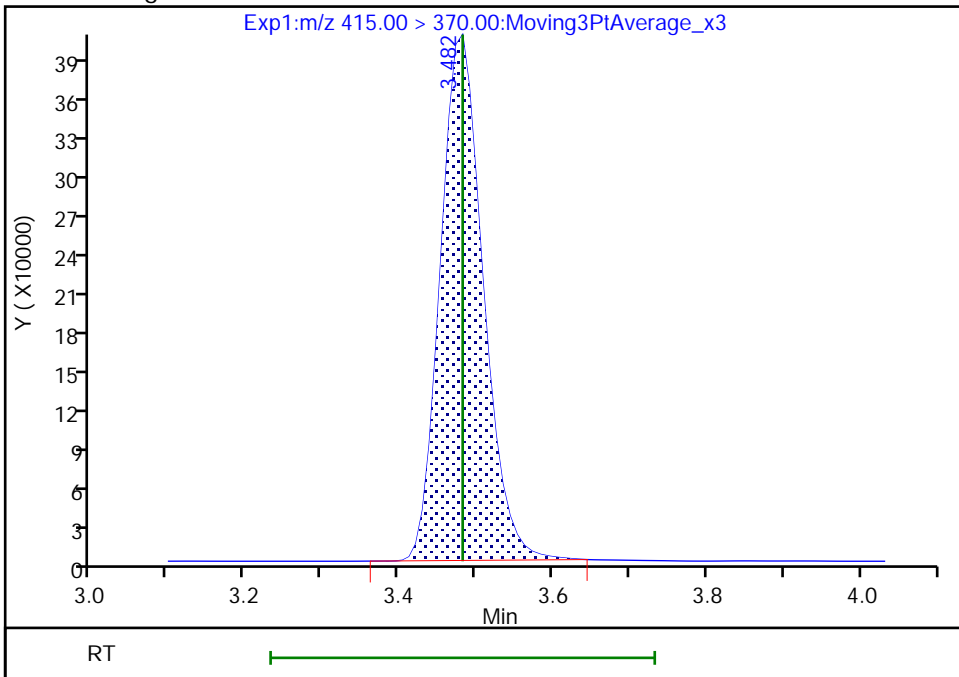
RT: 3.48
Area: 1581879
Amount: 1.250000
Amount Units: ng/ml

Processing Integration Results



RT: 3.48
Area: 1566724
Amount: 1.250000
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:41:24
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

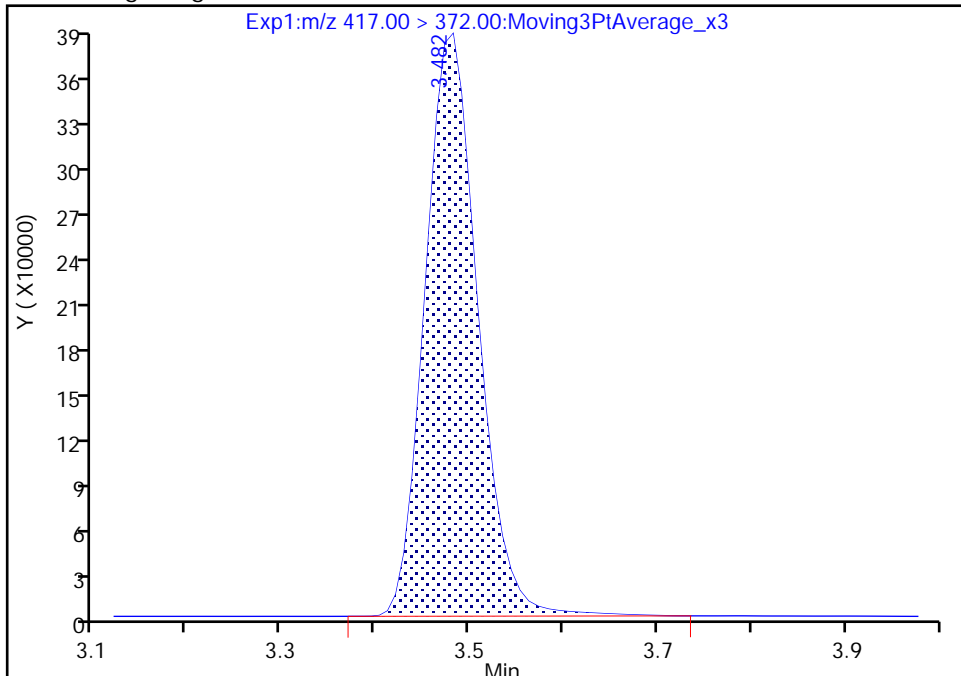
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

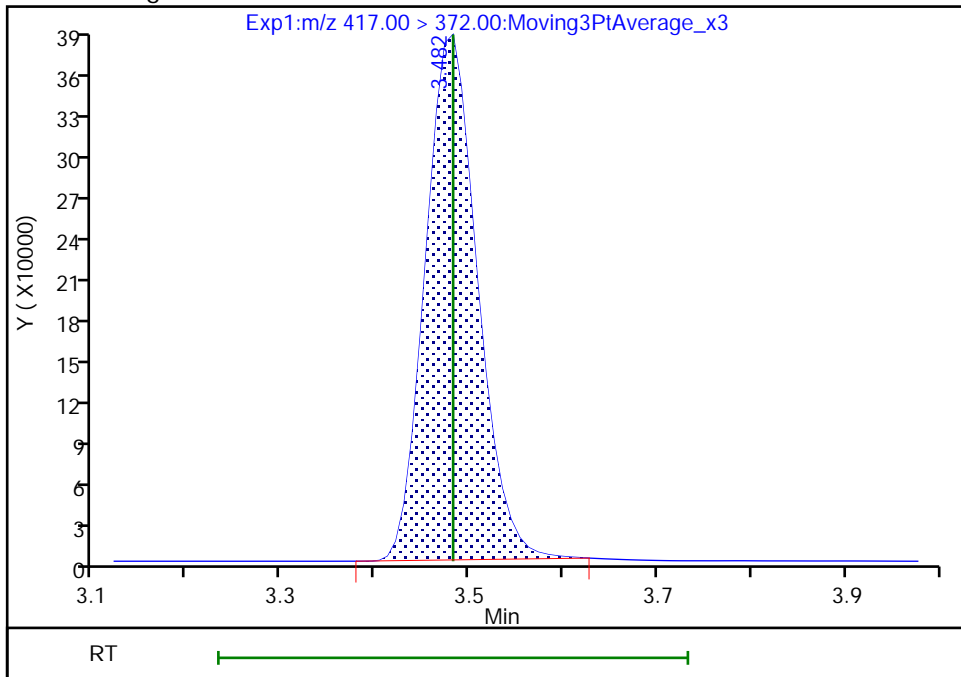
RT: 3.48
Area: 1490531
Amount: 1.252848
Amount Units: ng/ml

Processing Integration Results



RT: 3.48
Area: 1470428
Amount: 1.231637
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

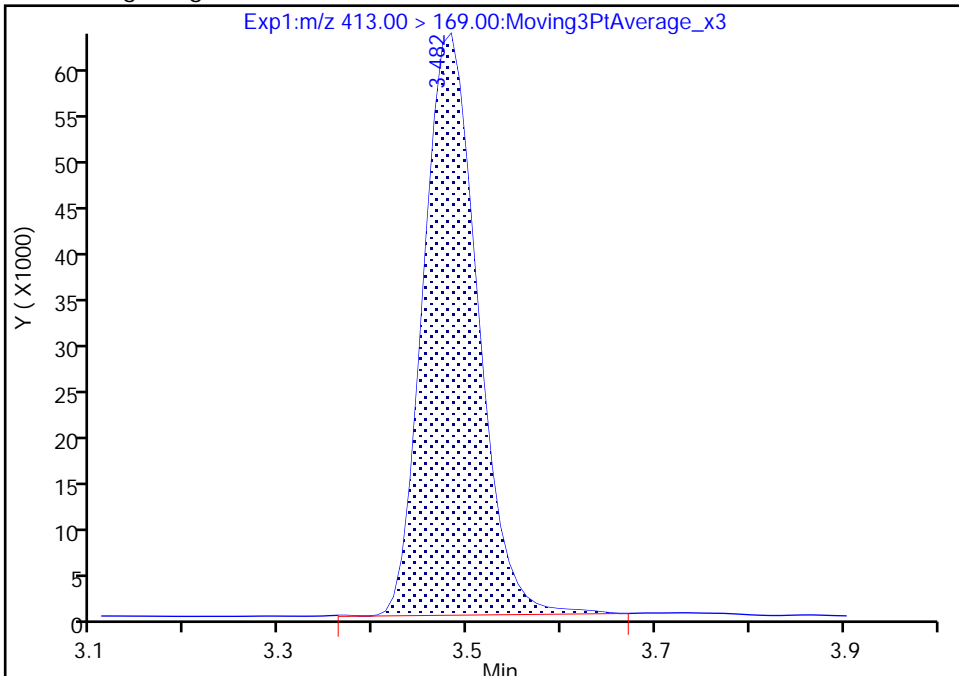
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

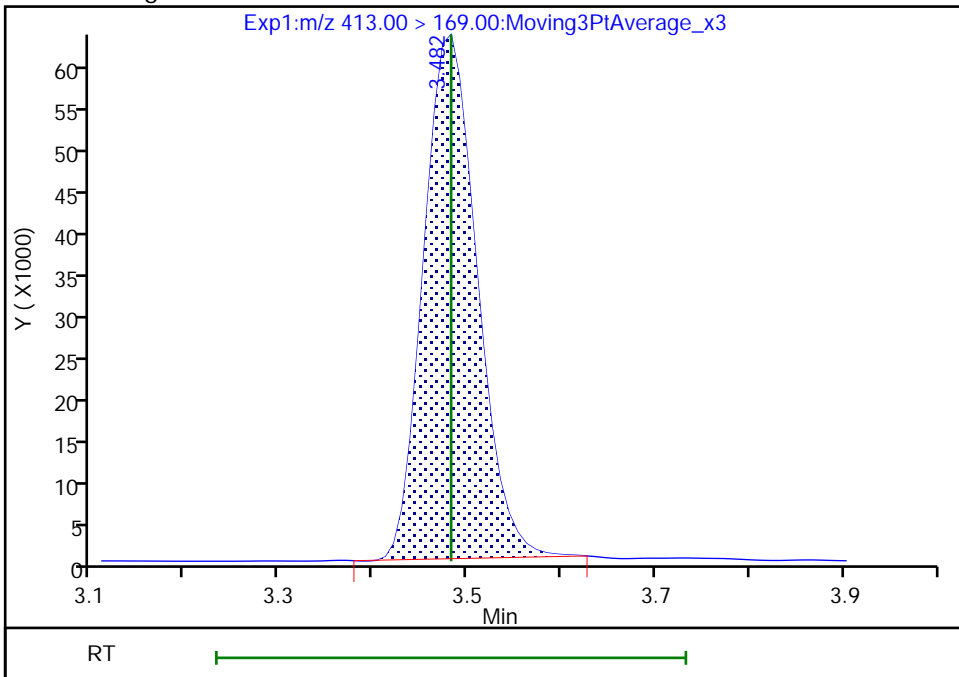
RT: 3.48
Area: 253418
Amount: 0.496279
Amount Units: ng/ml

Processing Integration Results



RT: 3.48
Area: 249816
Amount: 0.502347
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:41:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

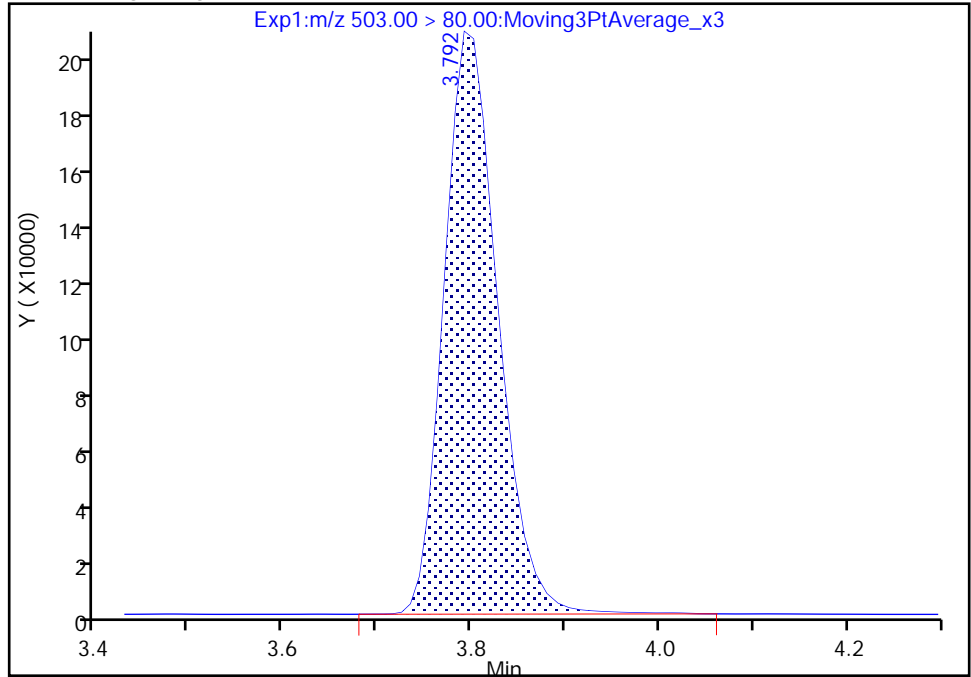
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 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

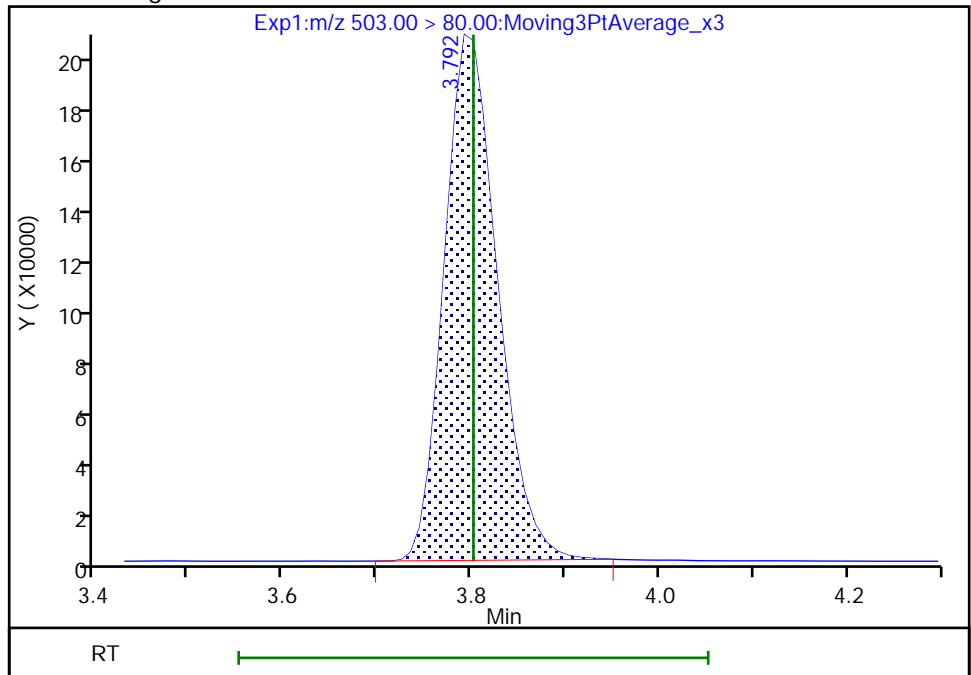
RT: 3.79
Area: 811021
Amount: 1.001596
Amount Units: ng/ml

Processing Integration Results



RT: 3.79
Area: 804391
Amount: 1.176576
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:41:40
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

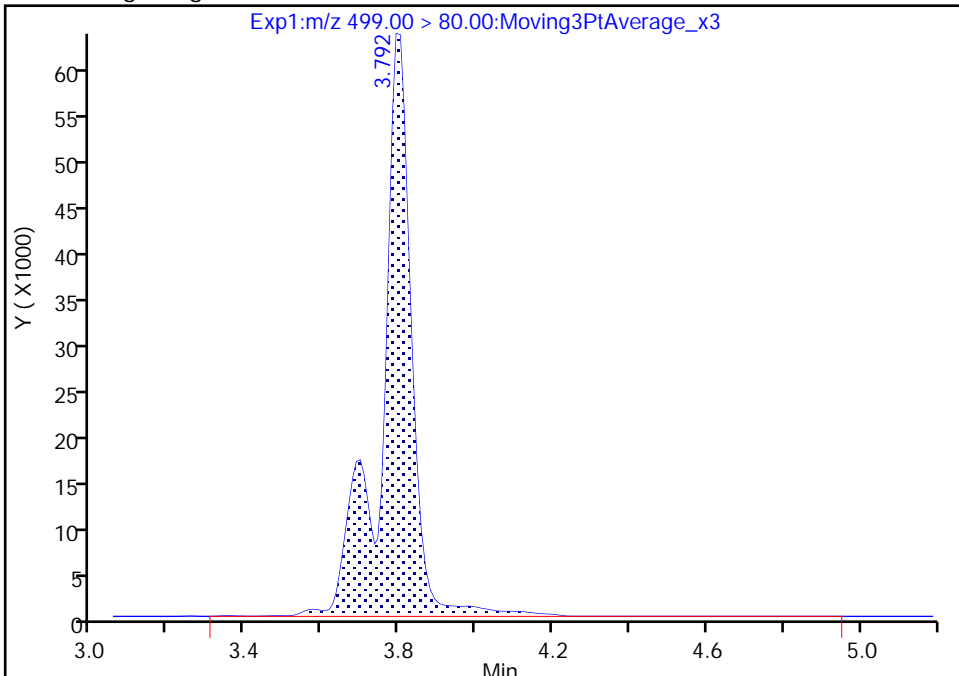
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

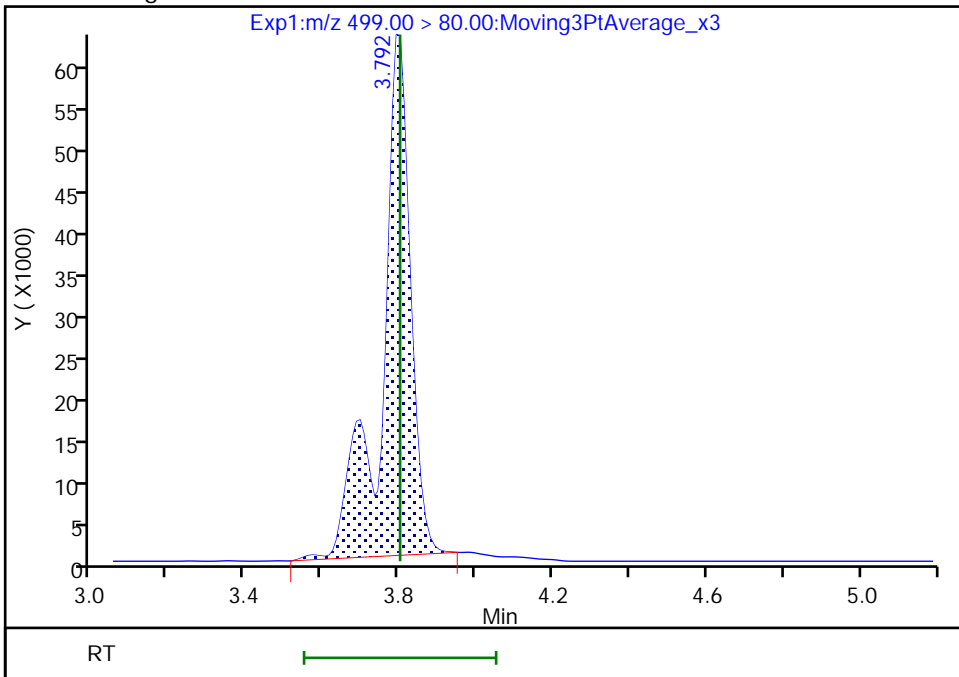
RT: 3.79
Area: 350326
Amount: 0.465488
Amount Units: ng/ml

Processing Integration Results



RT: 3.79
Area: 326050
Amount: 0.468366
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

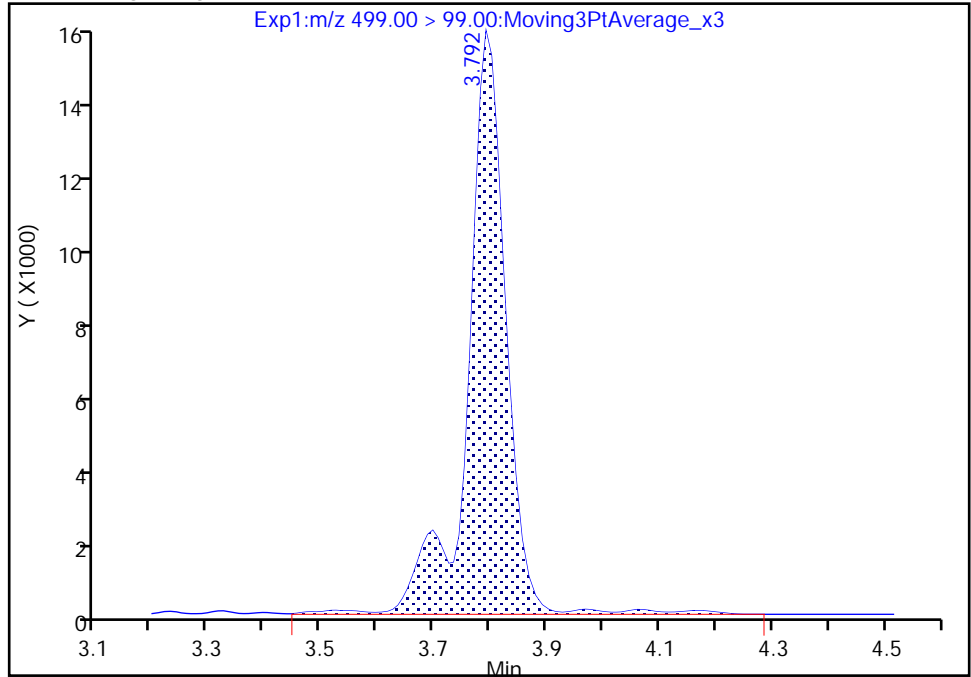
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

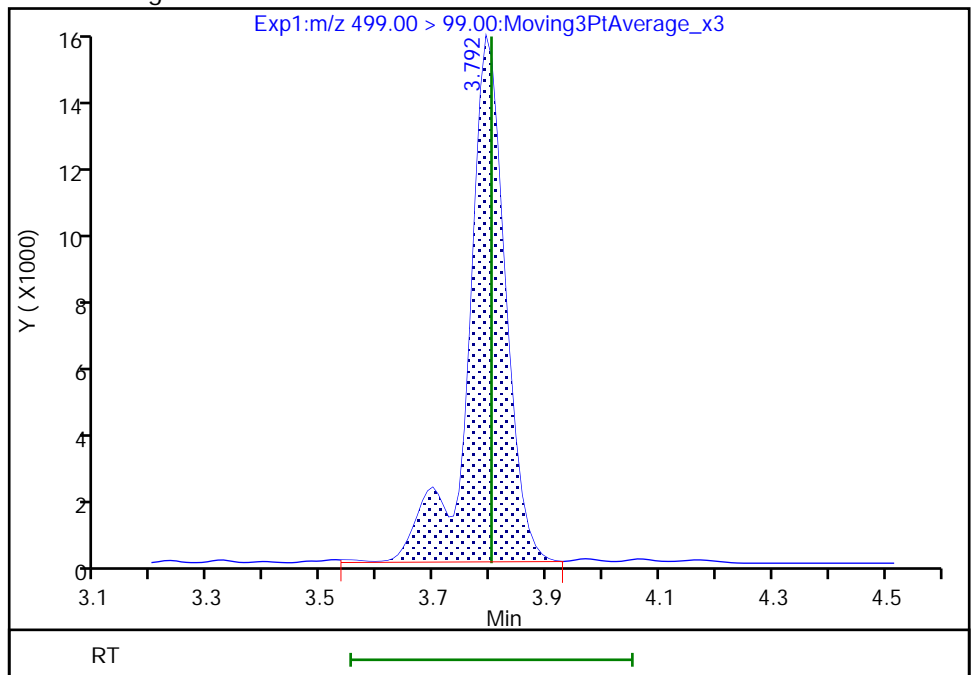
RT: 3.79
Area: 73855
Amount: 0.465488
Amount Units: ng/ml

Processing Integration Results



RT: 3.79
Area: 71279
Amount: 0.468366
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:42:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

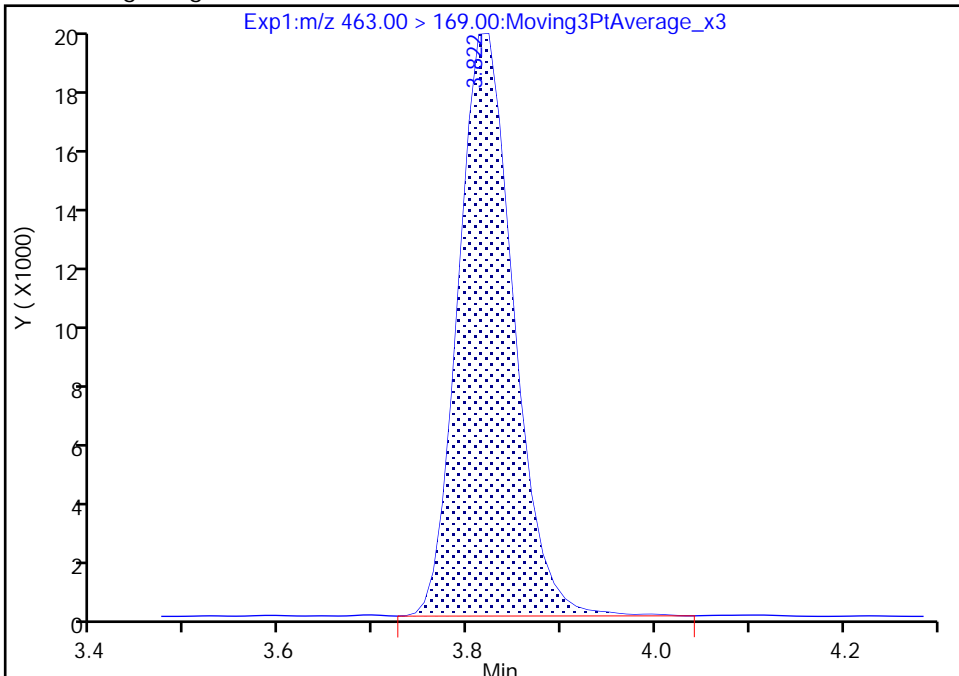
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

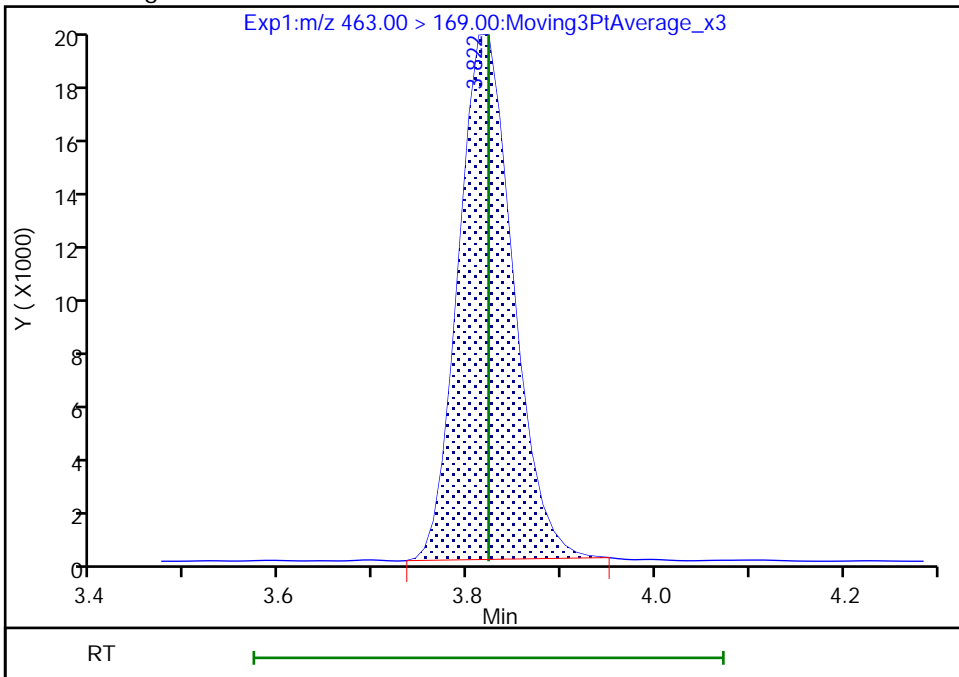
RT: 3.82
Area: 78457
Amount: 0.516156
Amount Units: ng/ml

Processing Integration Results



RT: 3.82
Area: 77379
Amount: 0.502986
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:42:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

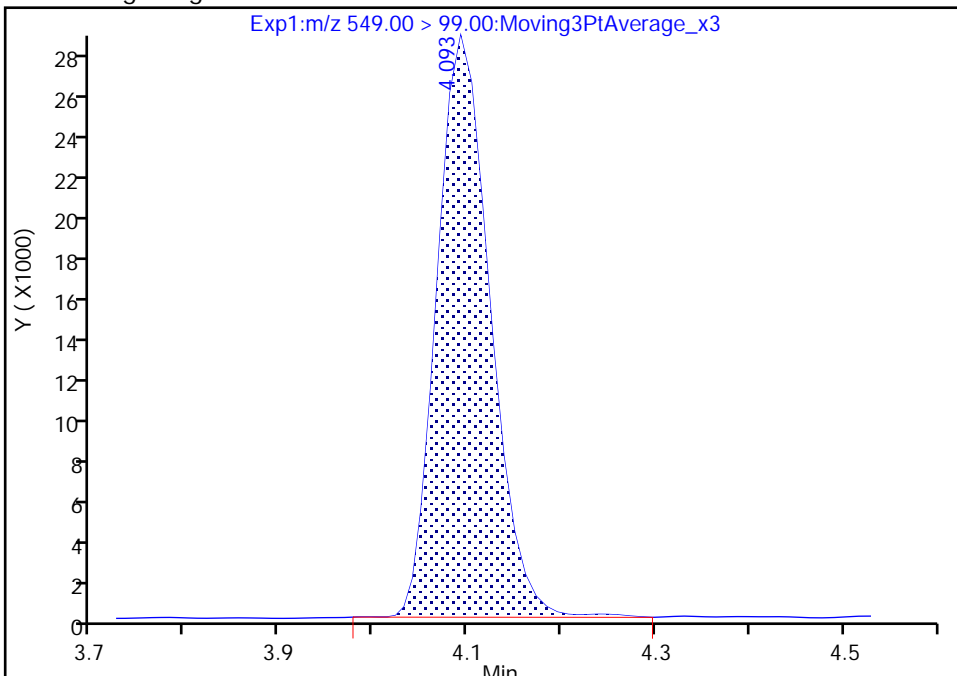
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 2

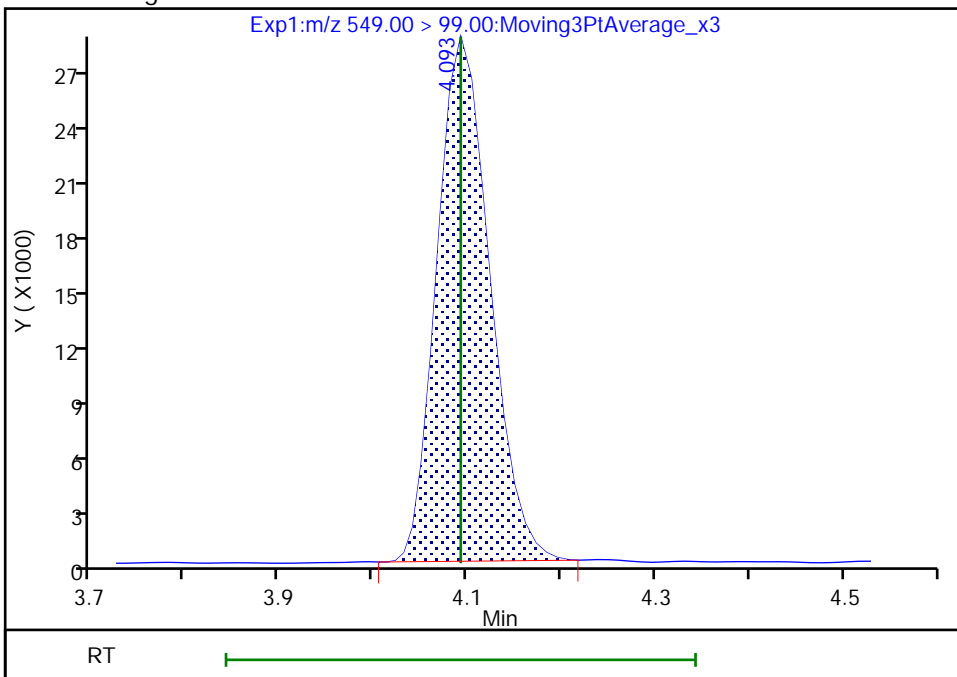
RT: 4.09
Area: 112907
Amount: 0.486229
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 111662
Amount: 0.486523
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:42:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

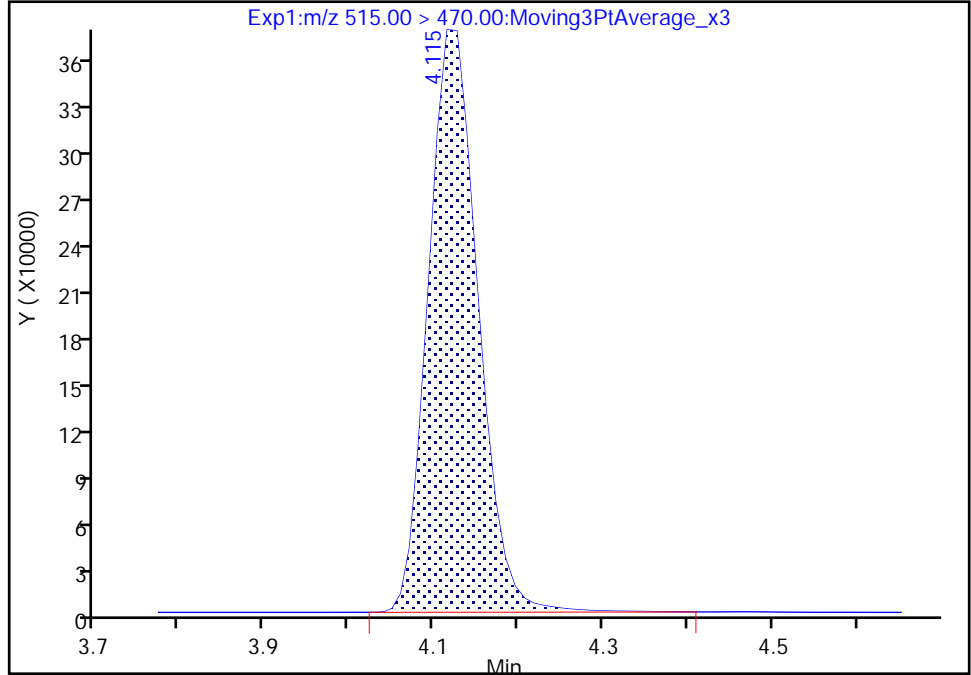
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 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

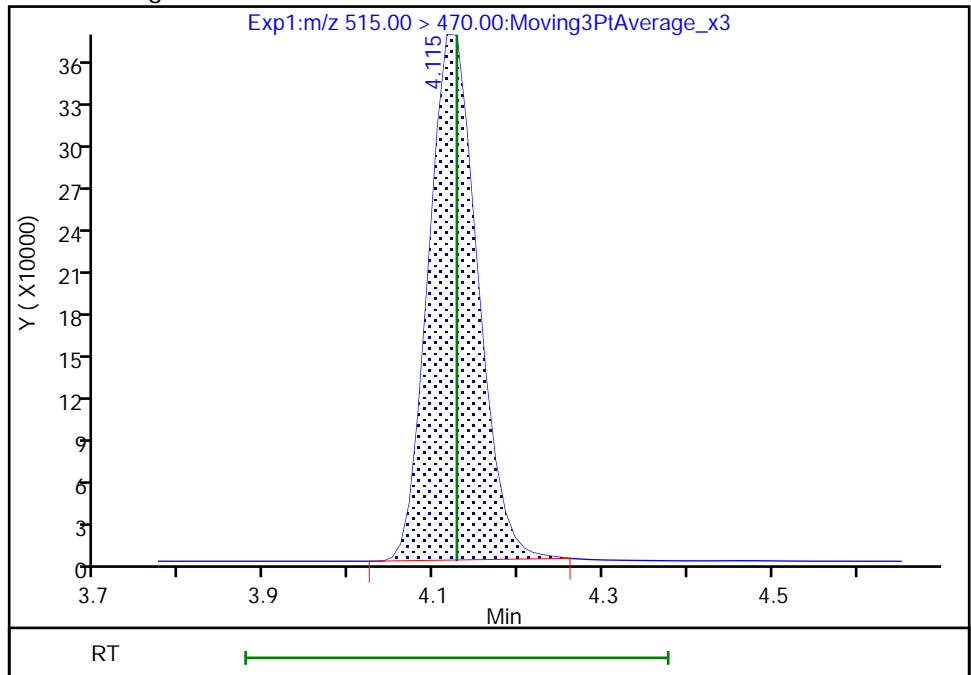
RT: 4.12
Area: 1514735
Amount: 1.228241
Amount Units: ng/ml

Processing Integration Results



RT: 4.12
Area: 1496707
Amount: 1.240756
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:42:21
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

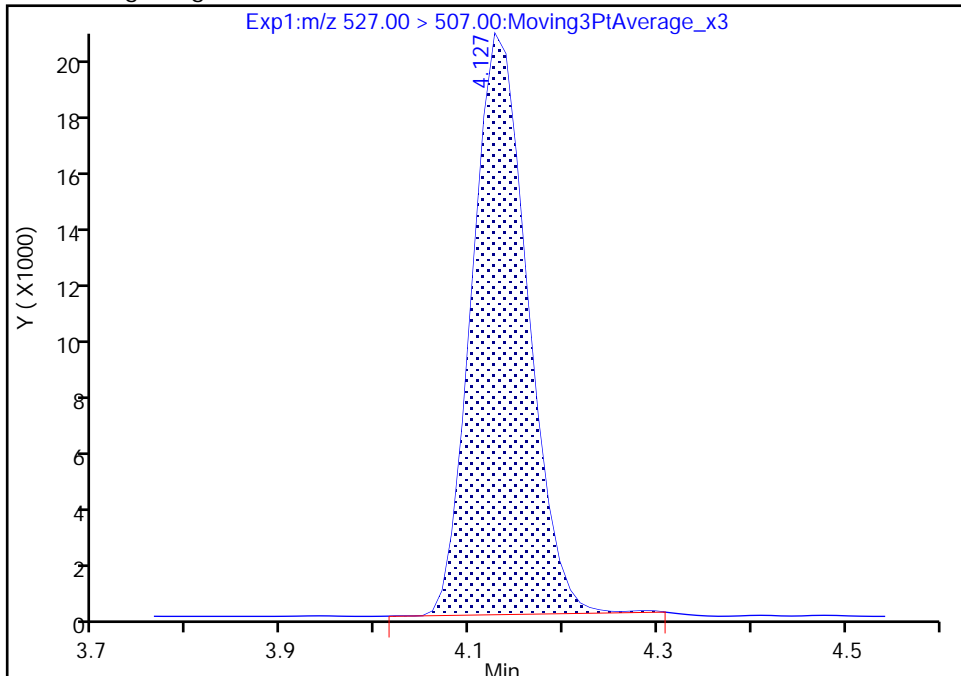
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

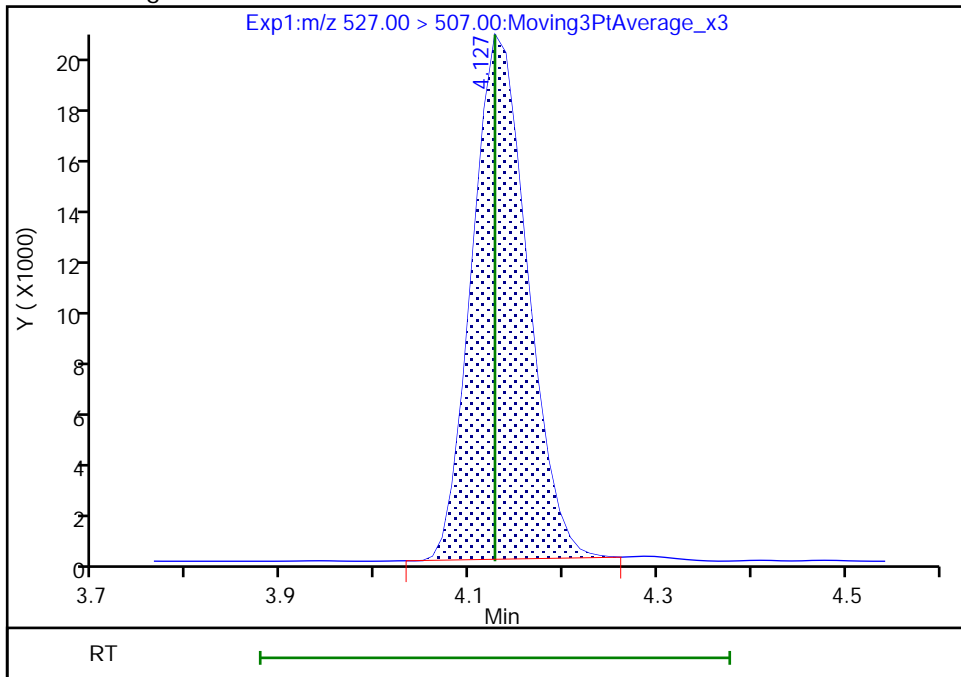
RT: 4.13
Area: 83837
Amount: 0.465076
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 83425
Amount: 0.487948
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:42:29
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

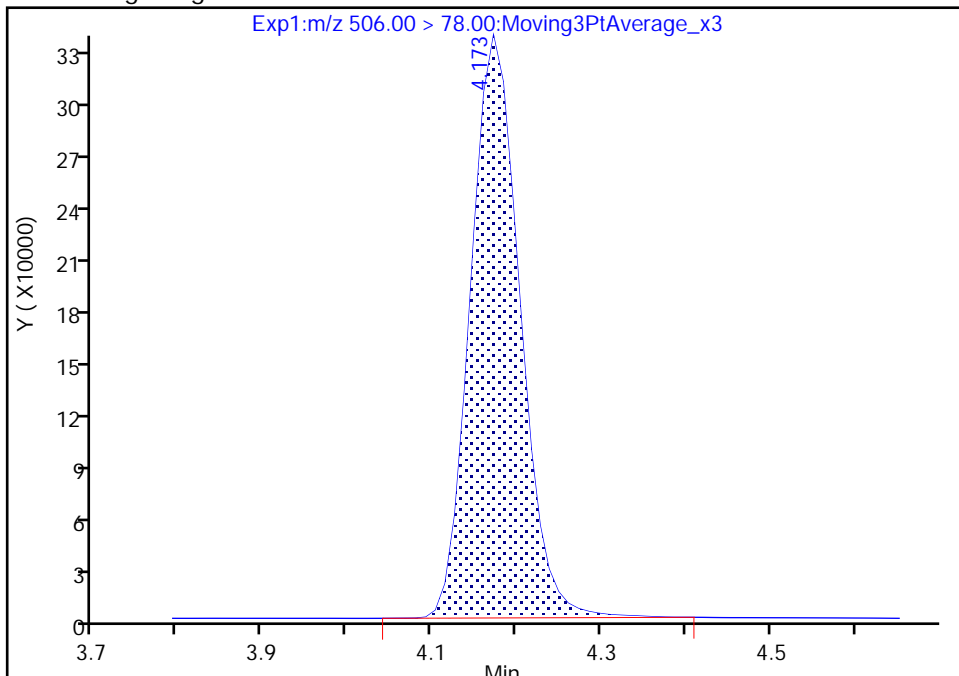
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

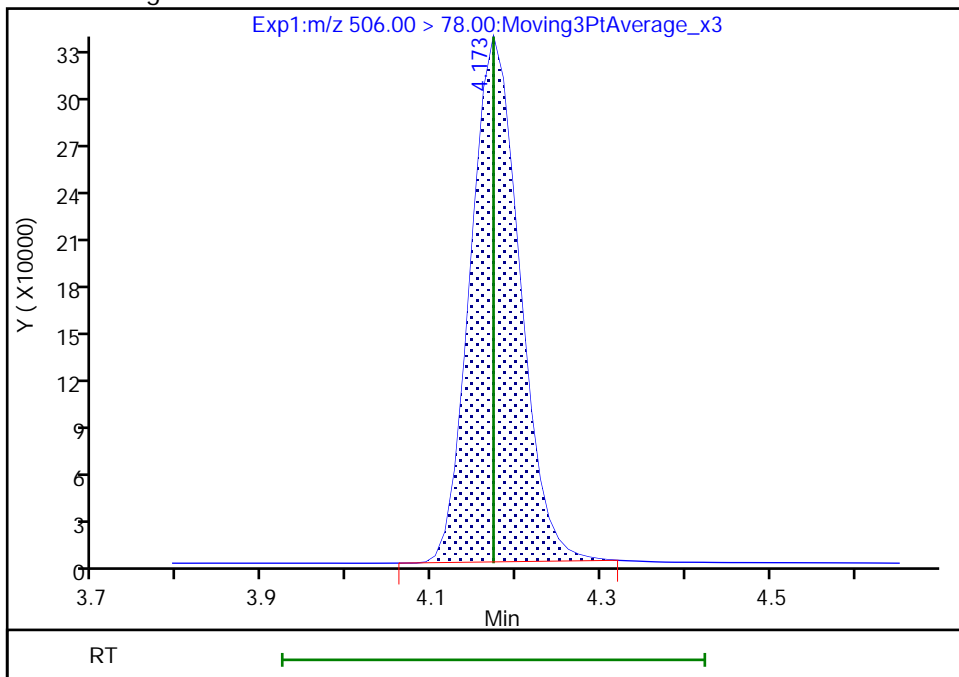
RT: 4.17
Area: 1354666
Amount: 1.094527
Amount Units: ng/ml

Processing Integration Results



RT: 4.17
Area: 1341161
Amount: 1.270314
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:42:36
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

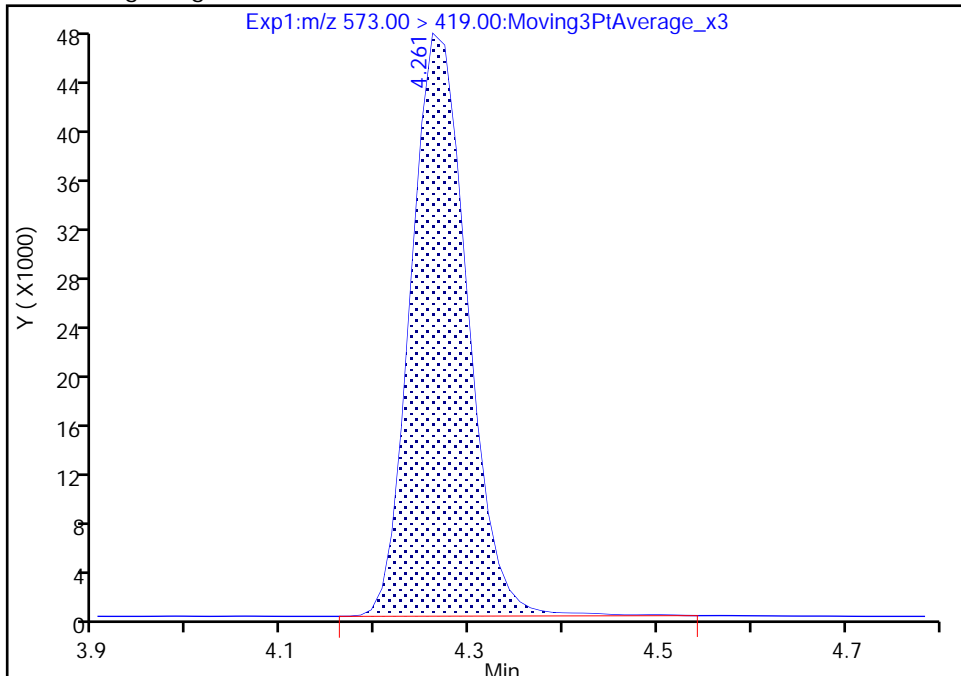
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

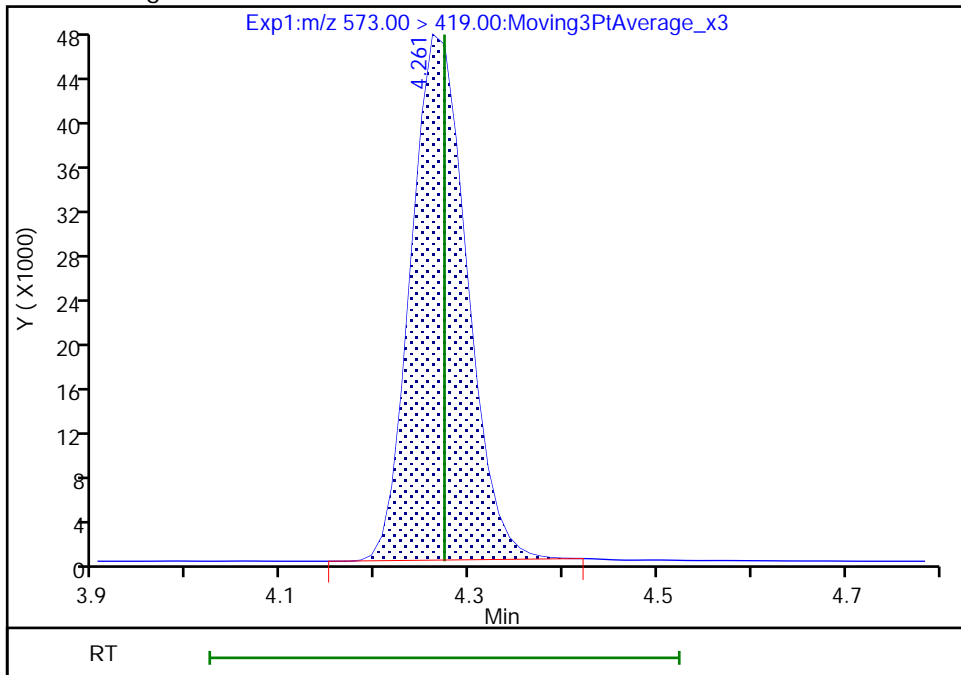
RT: 4.26
Area: 196484
Amount: 1.188759
Amount Units: ng/ml

Processing Integration Results



RT: 4.26
Area: 194324
Amount: 1.201901
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:42:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

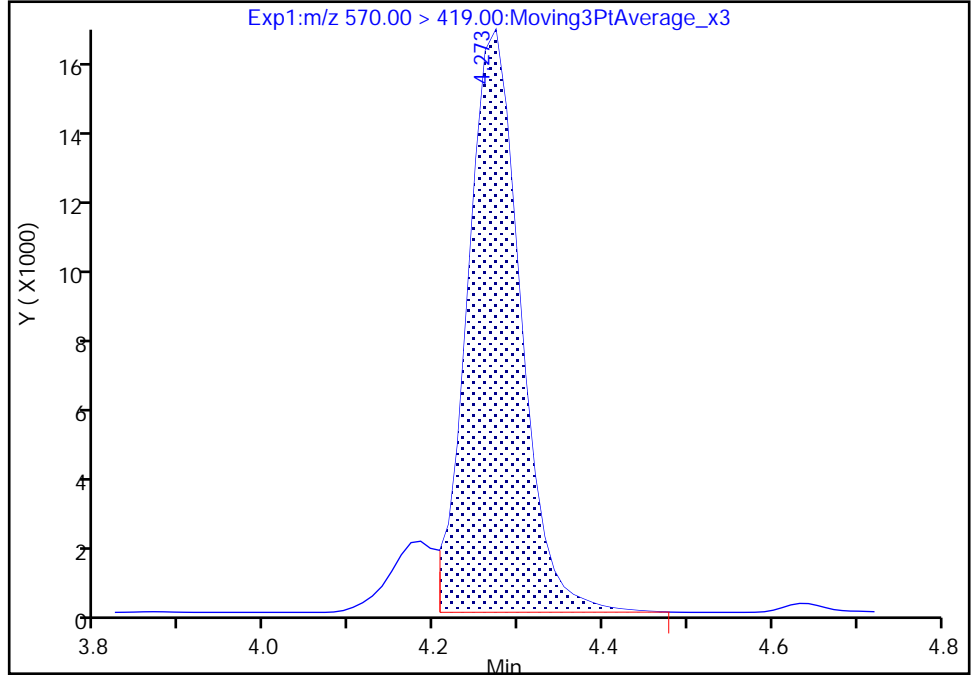
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

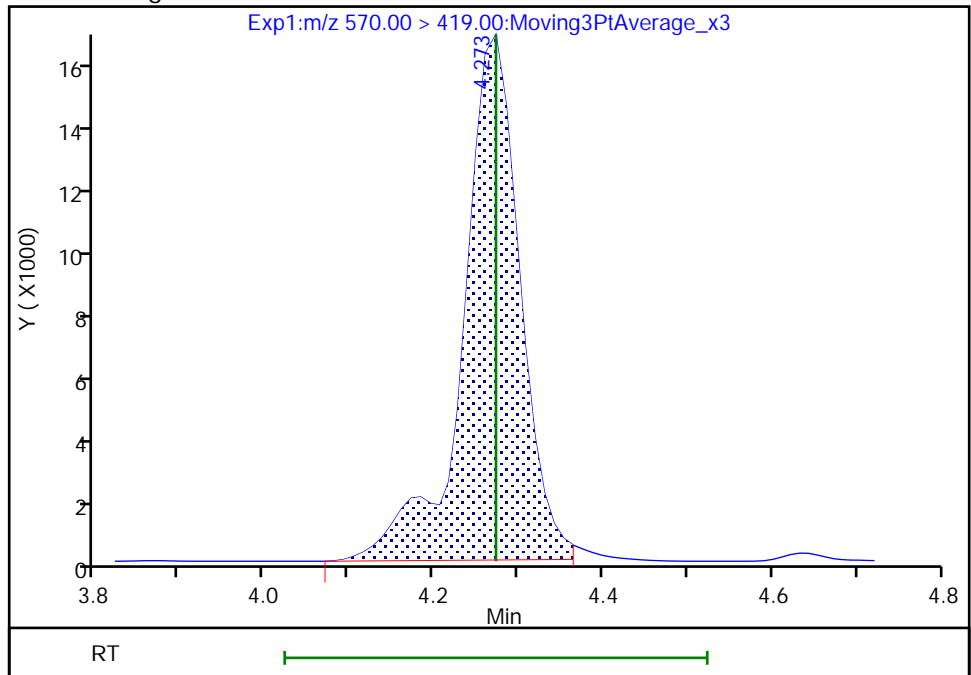
RT: 4.27
Area: 71785
Amount: 0.520646
Amount Units: ng/ml

Processing Integration Results



RT: 4.27
Area: 78017
Amount: 0.565074
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:42:52
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

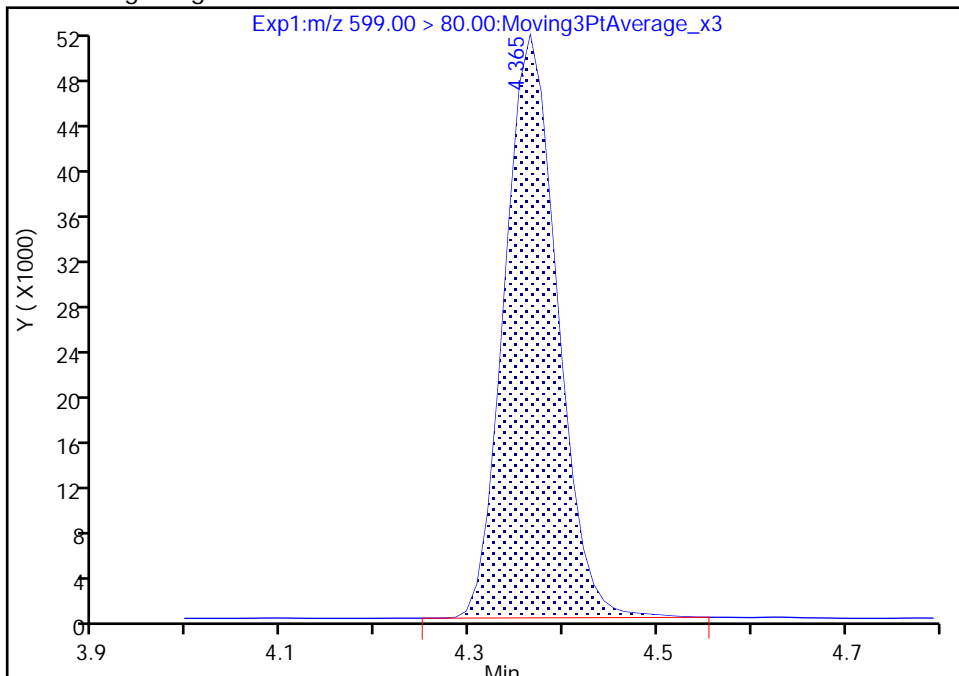
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d		
Injection Date:	03-Aug-2022 13:16:40	Instrument ID:	LC812
Lims ID:	IC		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	7

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

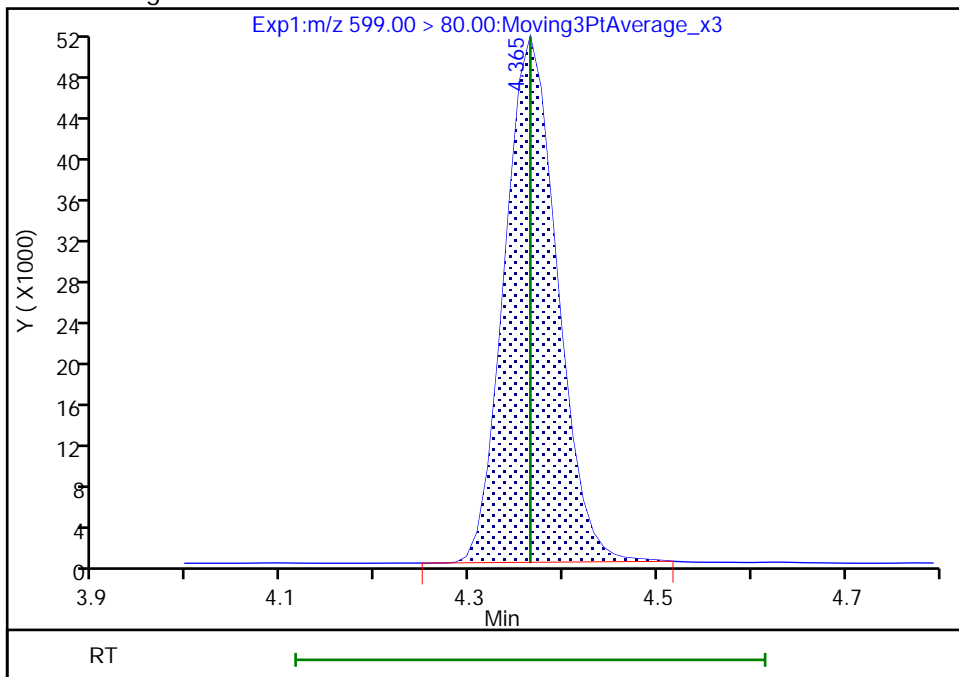
RT: 4.36
Area: 201174
Amount: 0.501353
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 200232
Amount: 0.510532
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:42:58
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

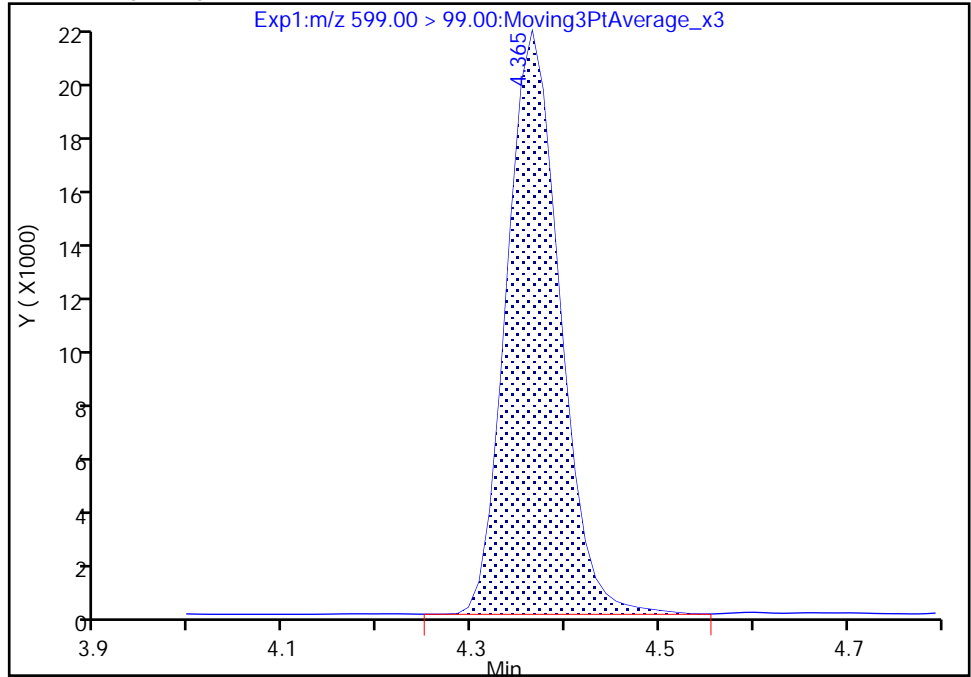
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

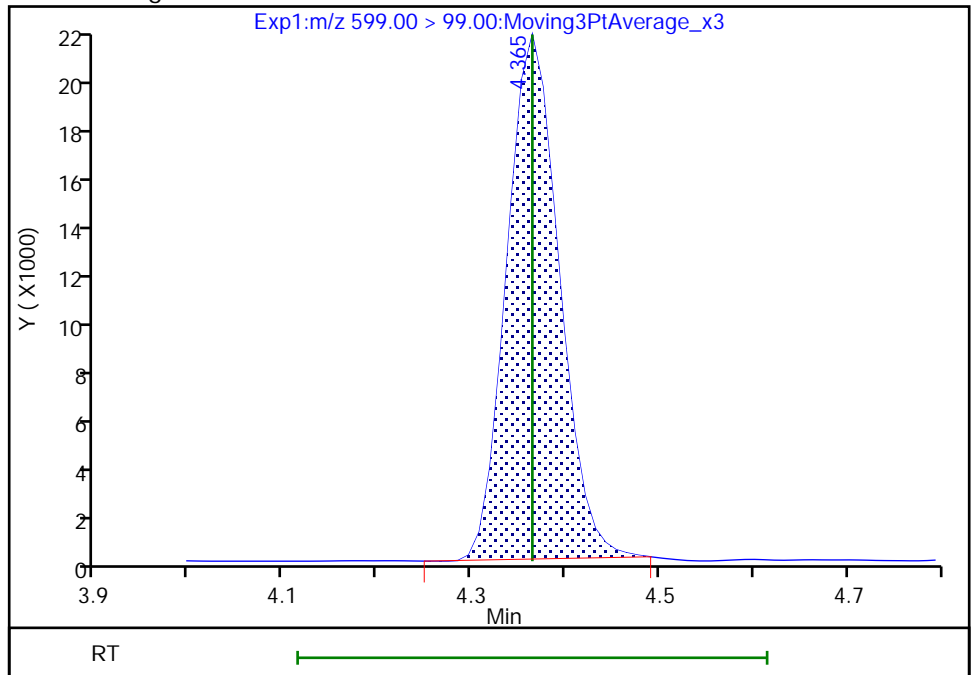
RT: 4.36
Area: 83195
Amount: 0.501353
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 81639
Amount: 0.510532
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:43:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

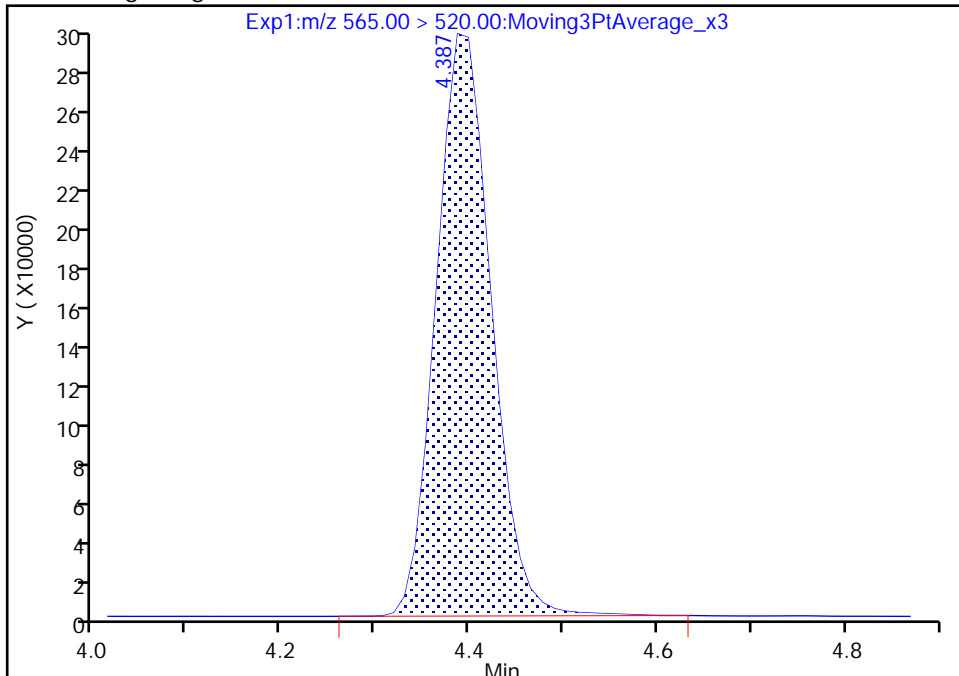
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d		
Injection Date:	03-Aug-2022 13:16:40	Instrument ID:	LC812
Lims ID:	IC		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	7

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

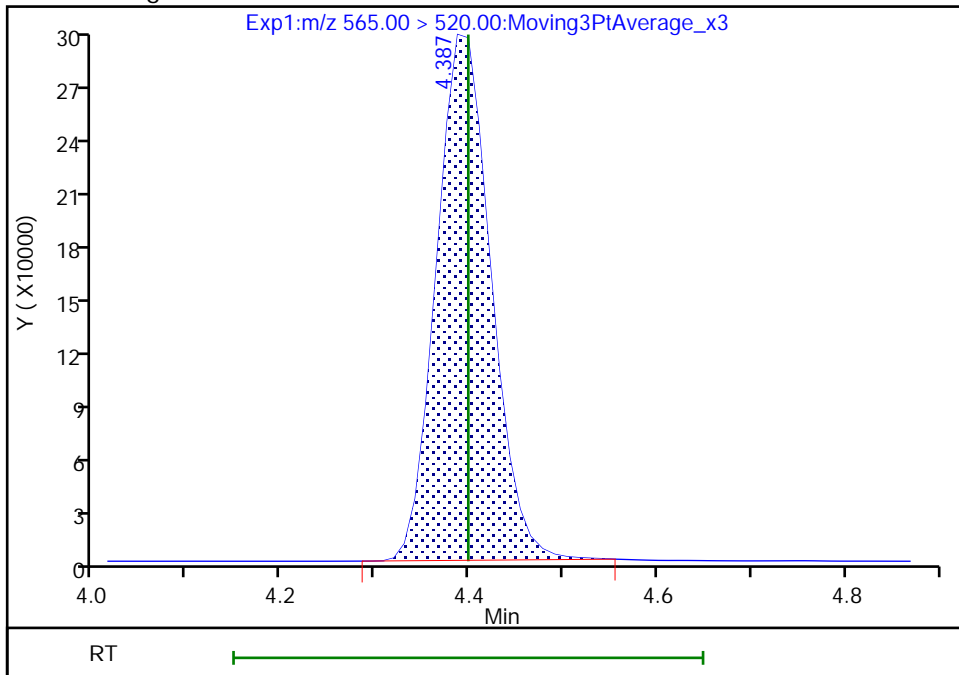
RT: 4.39
 Area: 1185539
 Amount: 1.226720
 Amount Units: ng/ml

Processing Integration Results



RT: 4.39
 Area: 1177558
 Amount: 1.288391
 Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:43:18
 Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

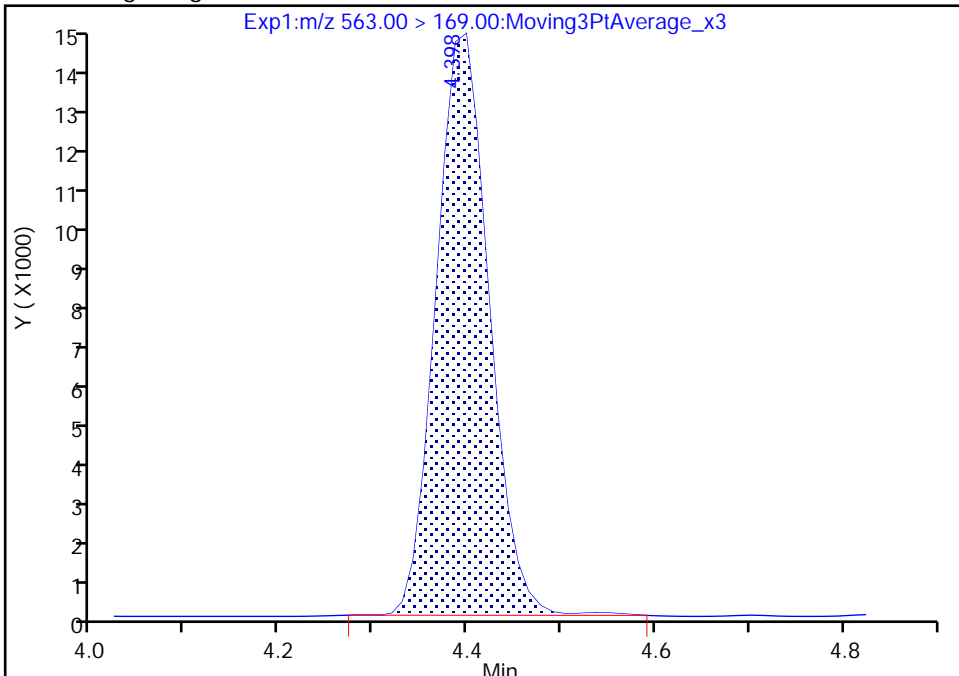
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

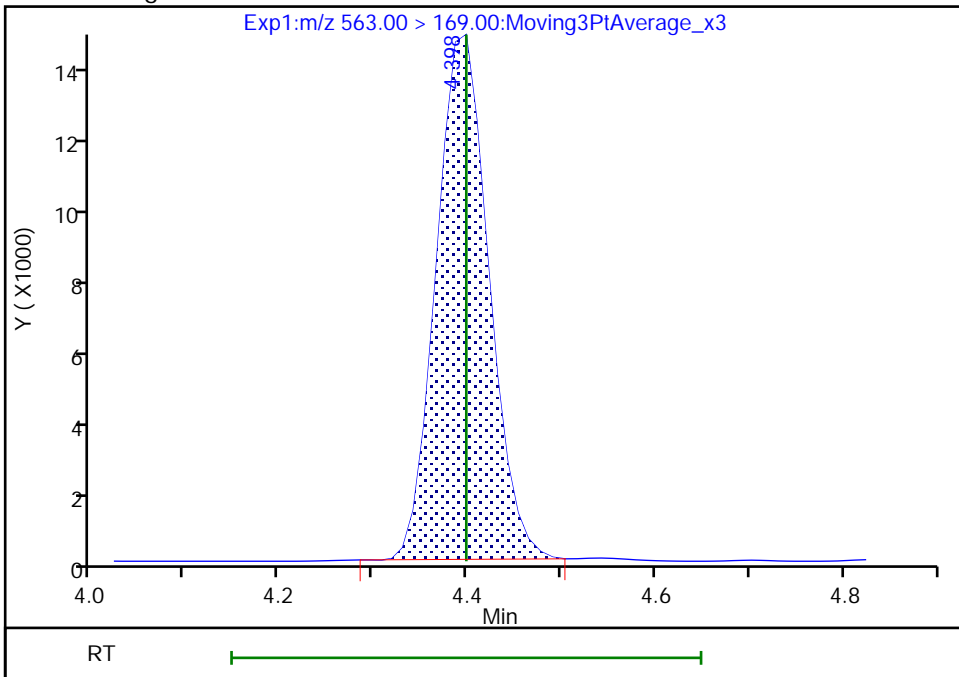
RT: 4.40
Area: 57753
Amount: 0.508085
Amount Units: ng/ml

Processing Integration Results



RT: 4.40
Area: 57209
Amount: 0.504309
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:43:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

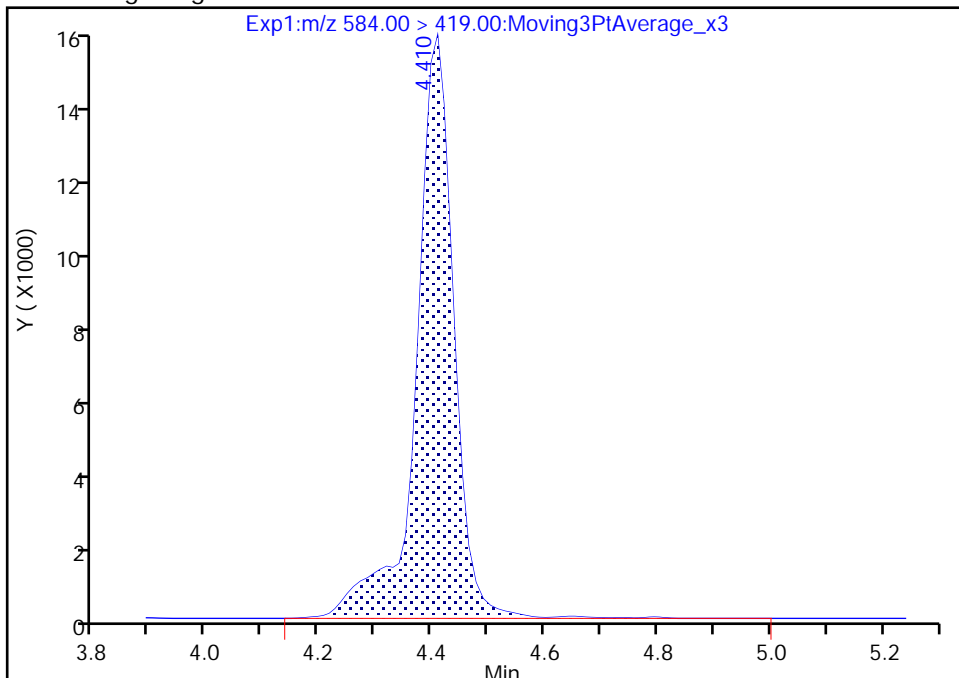
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

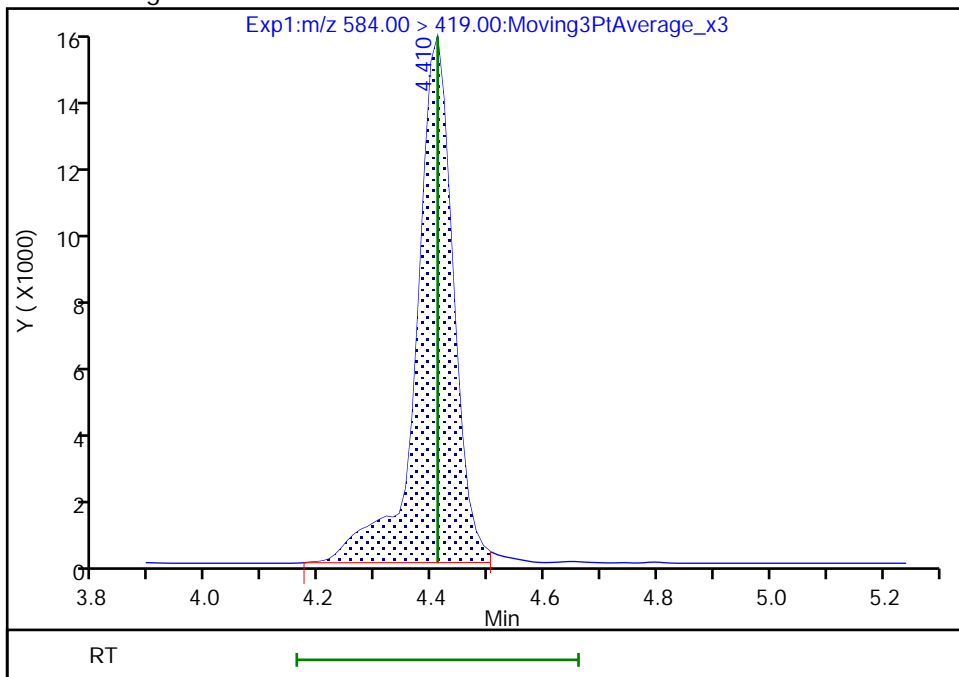
RT: 4.41
Area: 73274
Amount: 0.513533
Amount Units: ng/ml

Processing Integration Results



RT: 4.41
Area: 71793
Amount: 0.509464
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:43:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

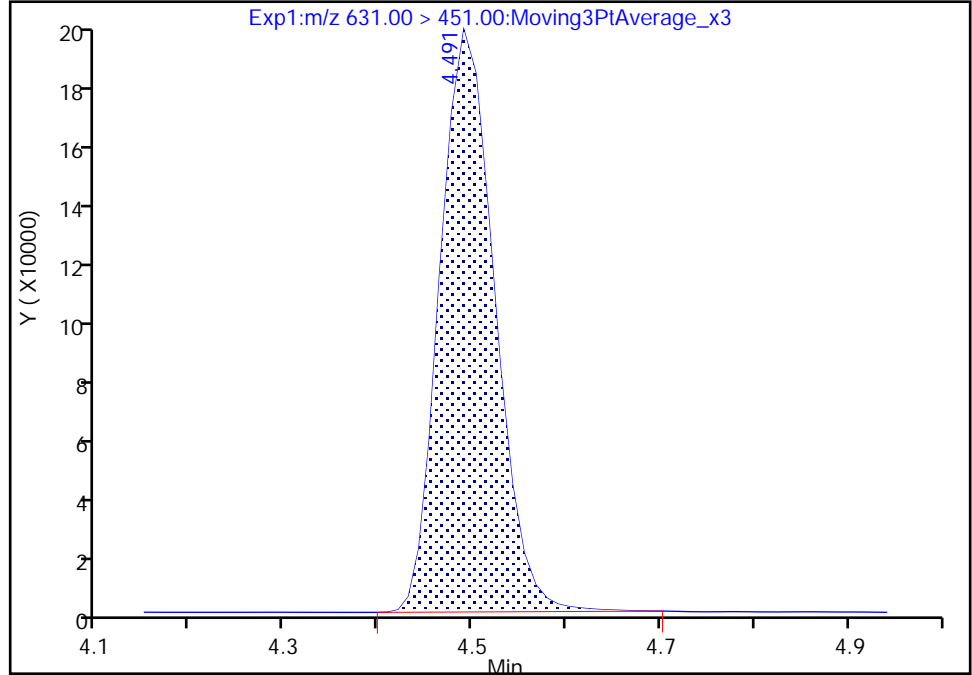
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

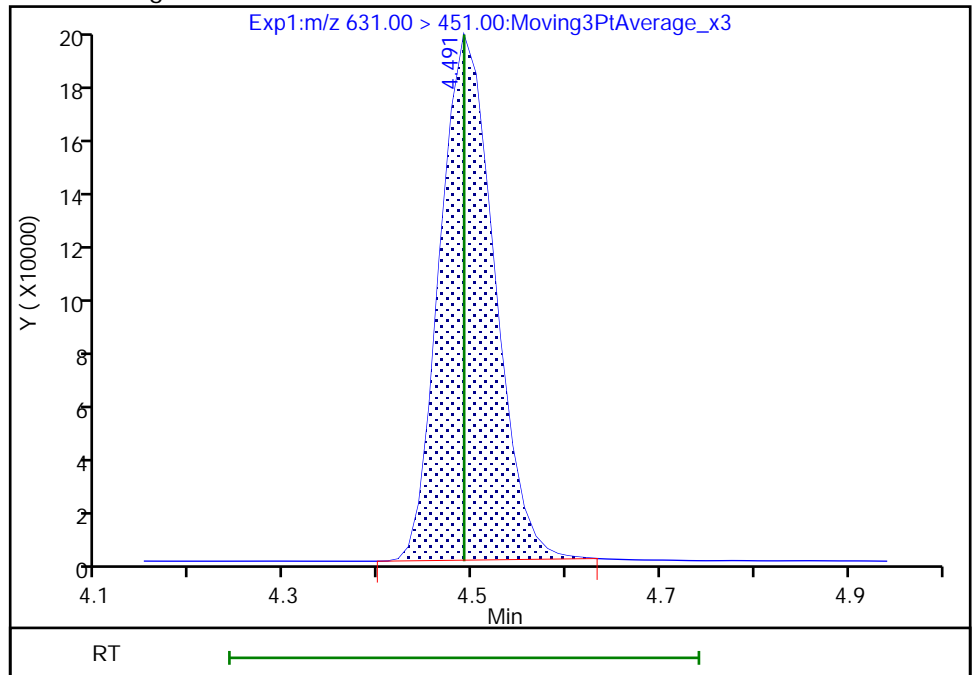
RT: 4.49
Area: 774067
Amount: 0.488891
Amount Units: ng/ml

Processing Integration Results



RT: 4.49
Area: 768442
Amount: 0.496521
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:43:39
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

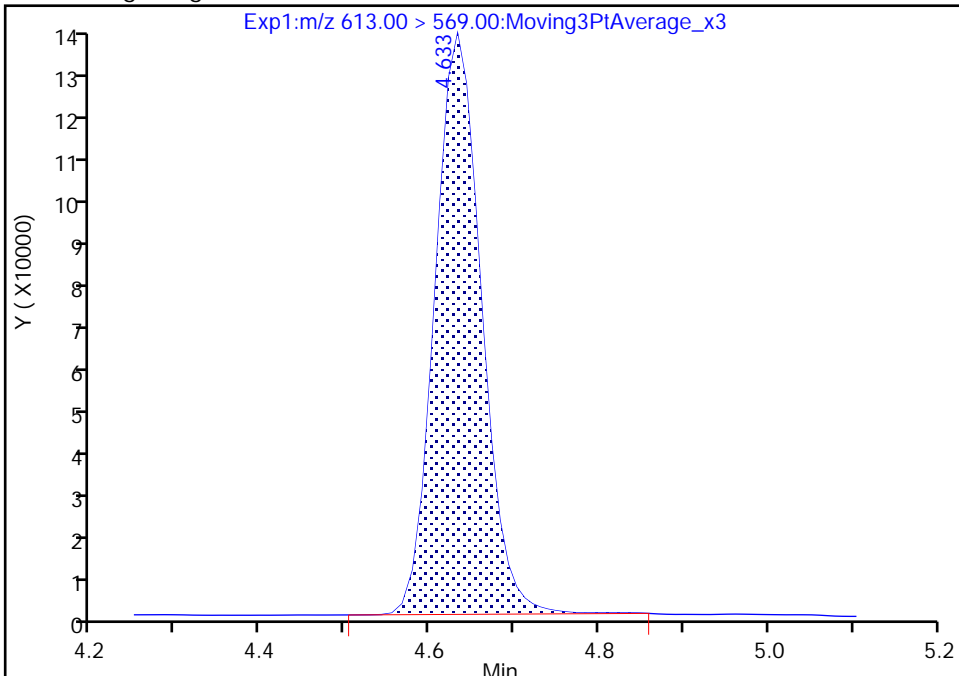
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

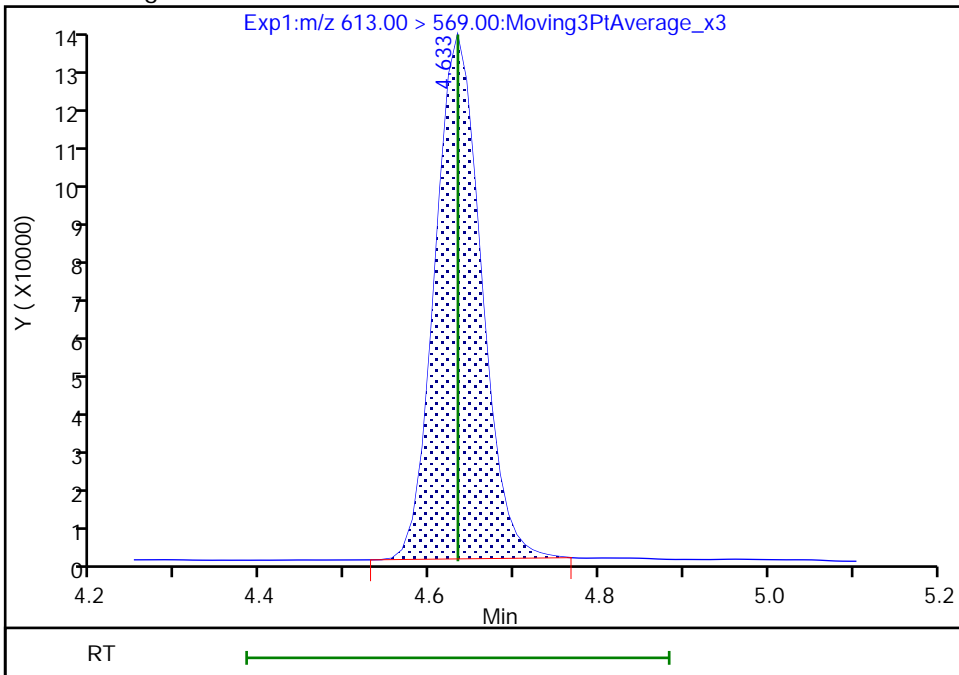
RT: 4.63
Area: 501551
Amount: 0.527306
Amount Units: ng/ml

Processing Integration Results



RT: 4.63
Area: 498404
Amount: 0.526443
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:43:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

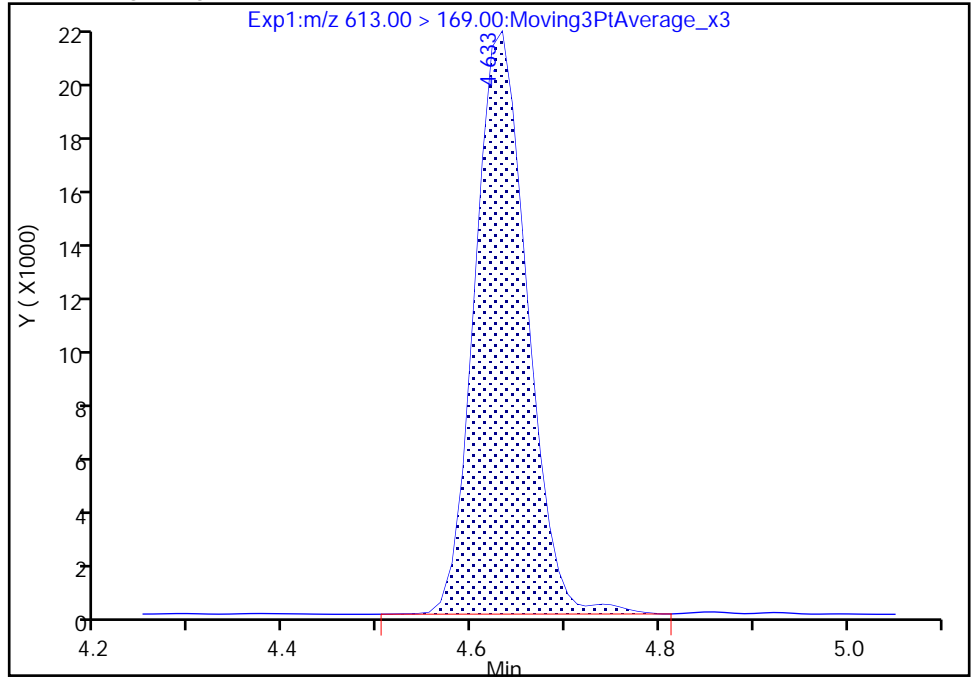
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

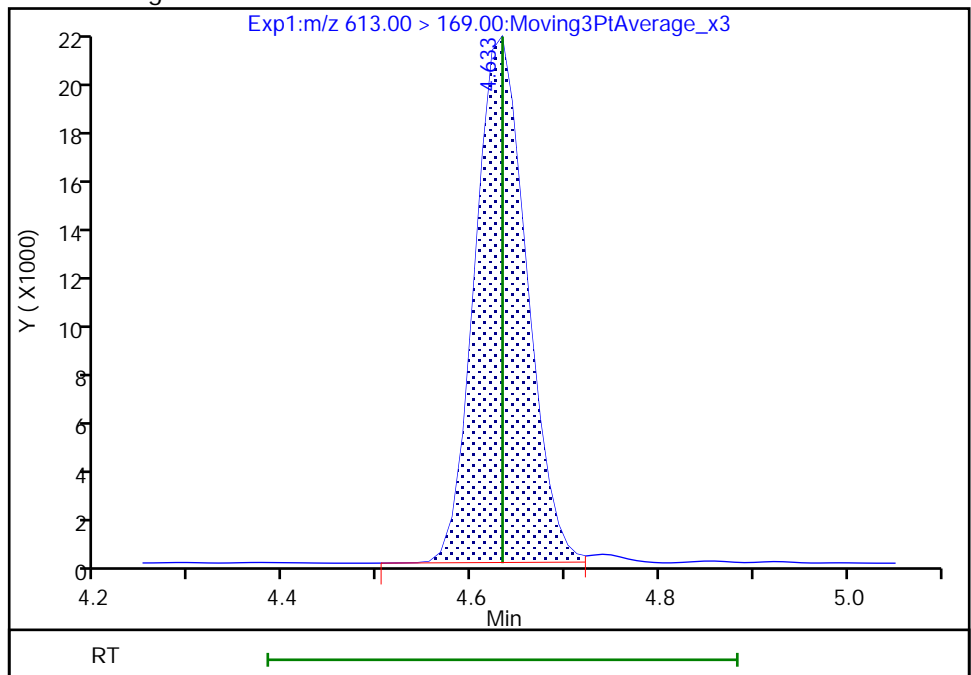
RT: 4.63
Area: 81909
Amount: 0.527306
Amount Units: ng/ml

Processing Integration Results



RT: 4.63
Area: 80760
Amount: 0.526443
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:43:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

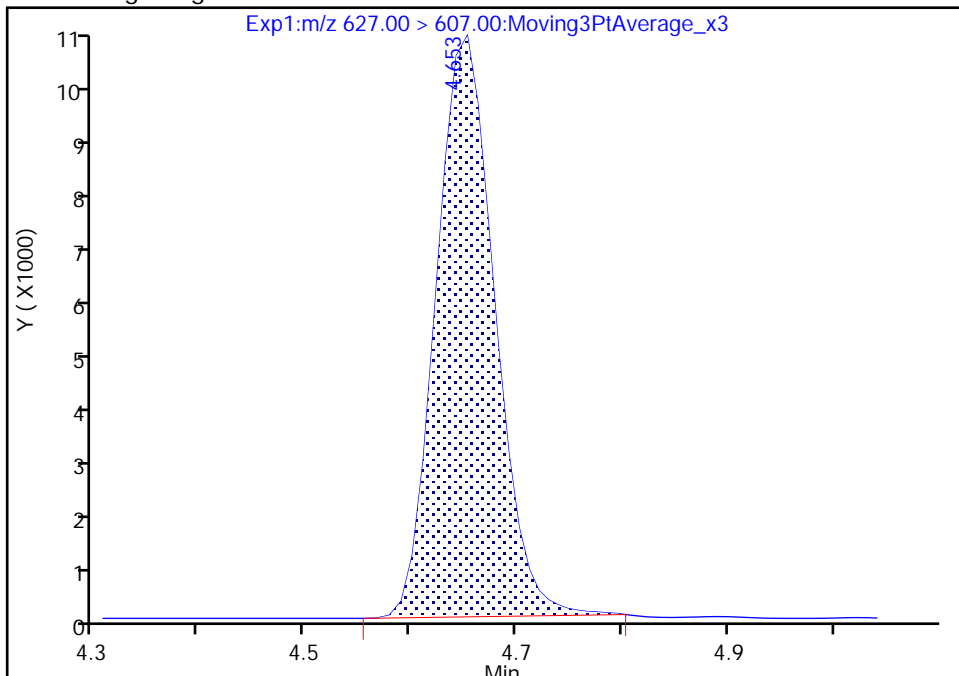
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

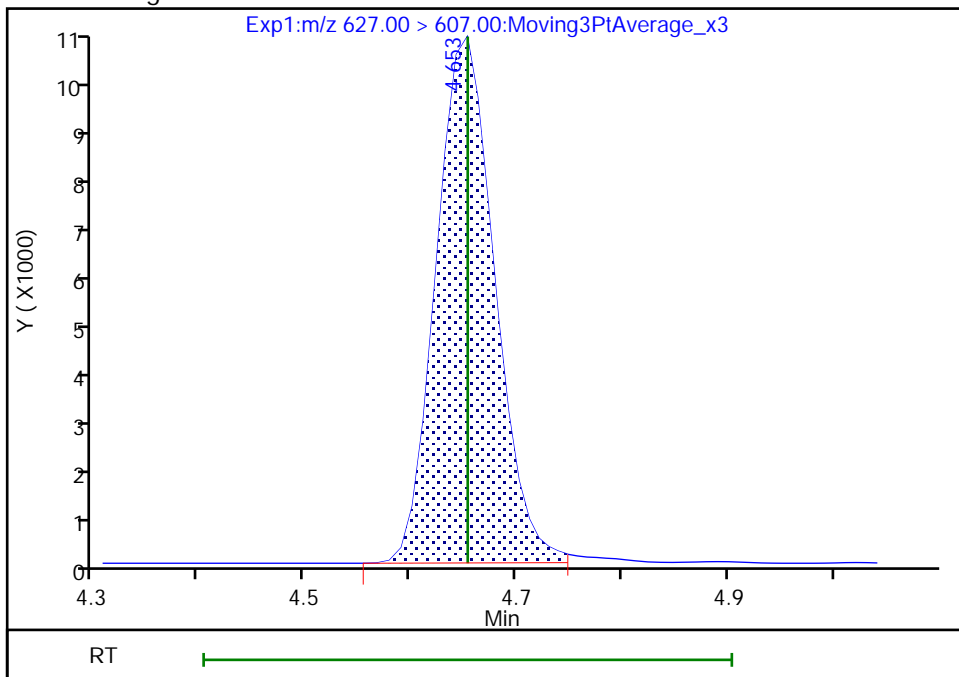
RT: 4.65
Area: 39909
Amount: 0.440401
Amount Units: ng/ml

Processing Integration Results



RT: 4.65
Area: 39968
Amount: 0.500394
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:44:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

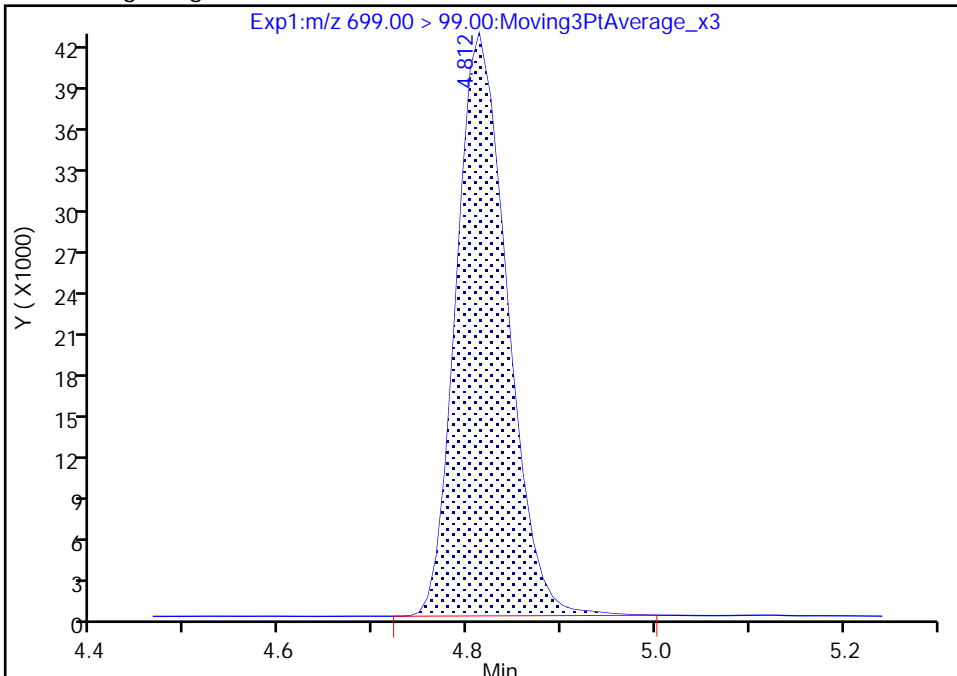
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 2

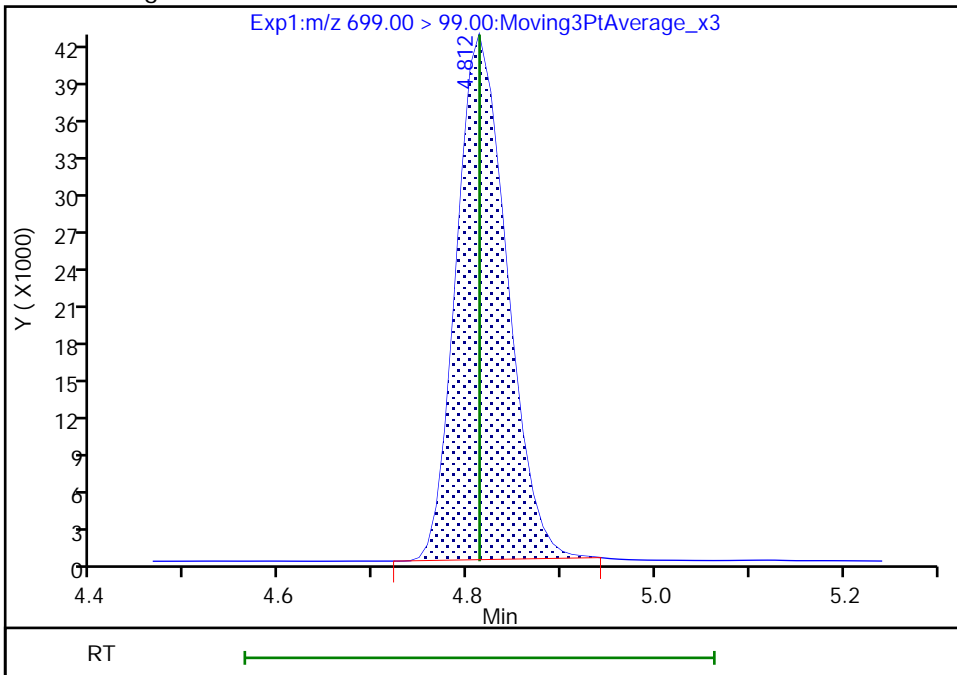
RT: 4.81
Area: 160402
Amount: 0.511186
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 158626
Amount: 0.538148
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:44:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

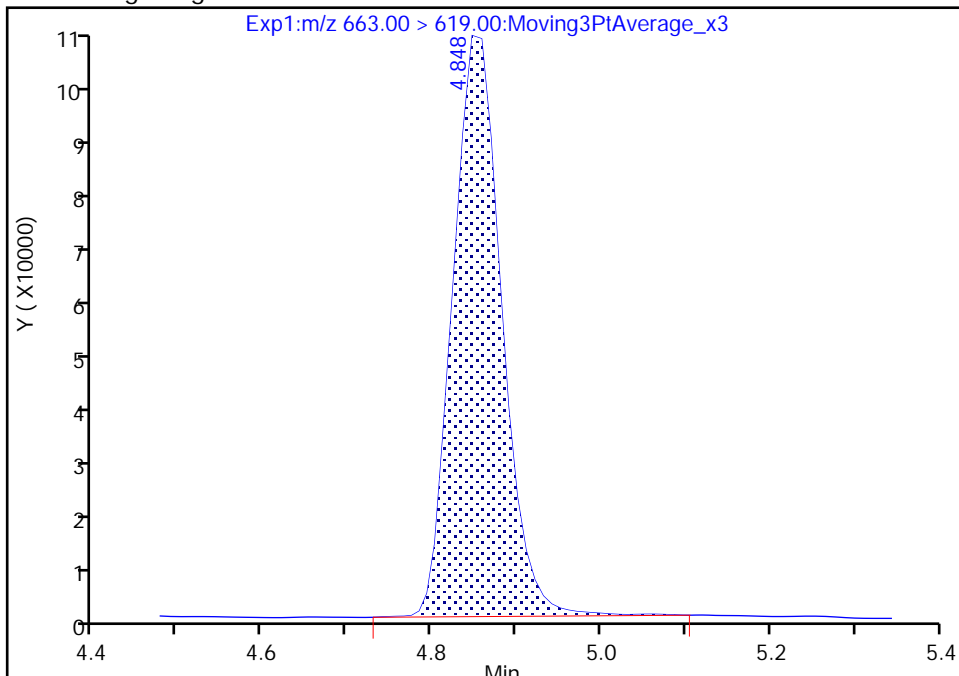
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

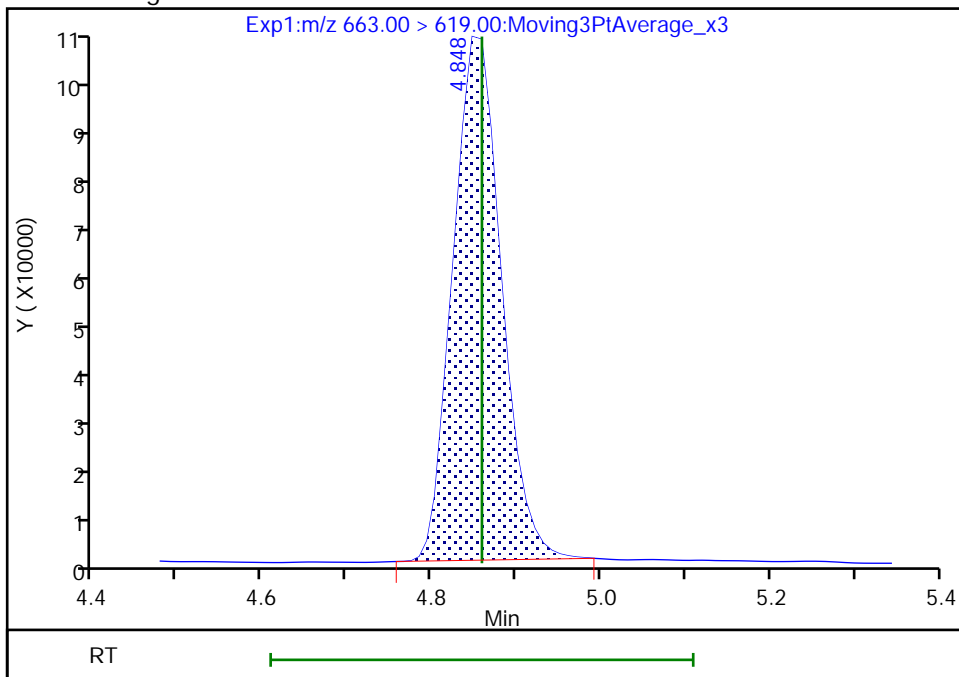
RT: 4.85
Area: 439106
Amount: 0.530437
Amount Units: ng/ml

Processing Integration Results



RT: 4.85
Area: 432811
Amount: 0.527371
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:44:25
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

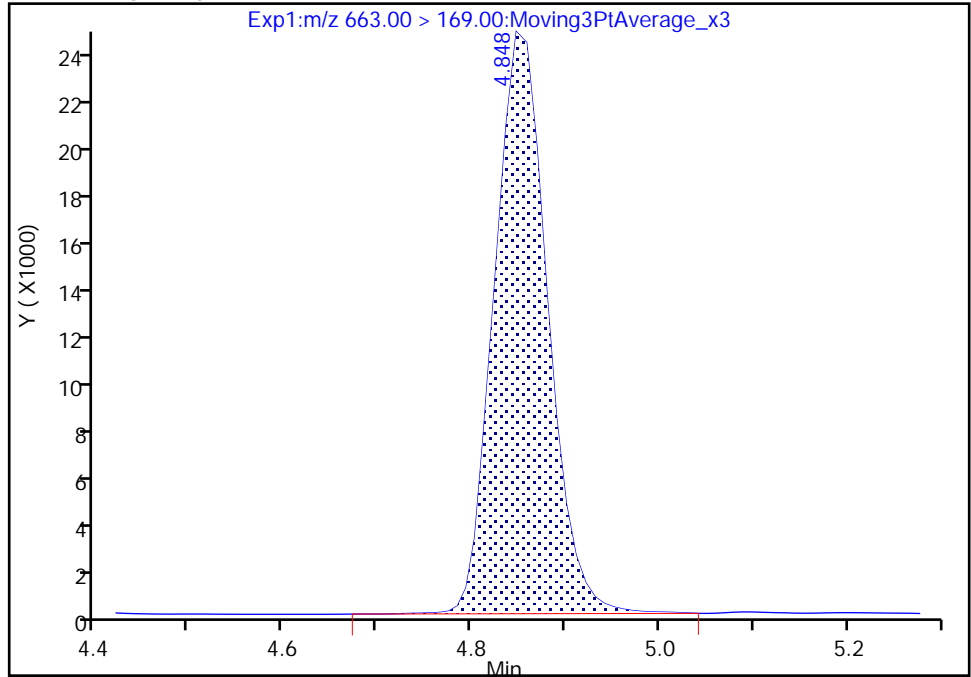
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

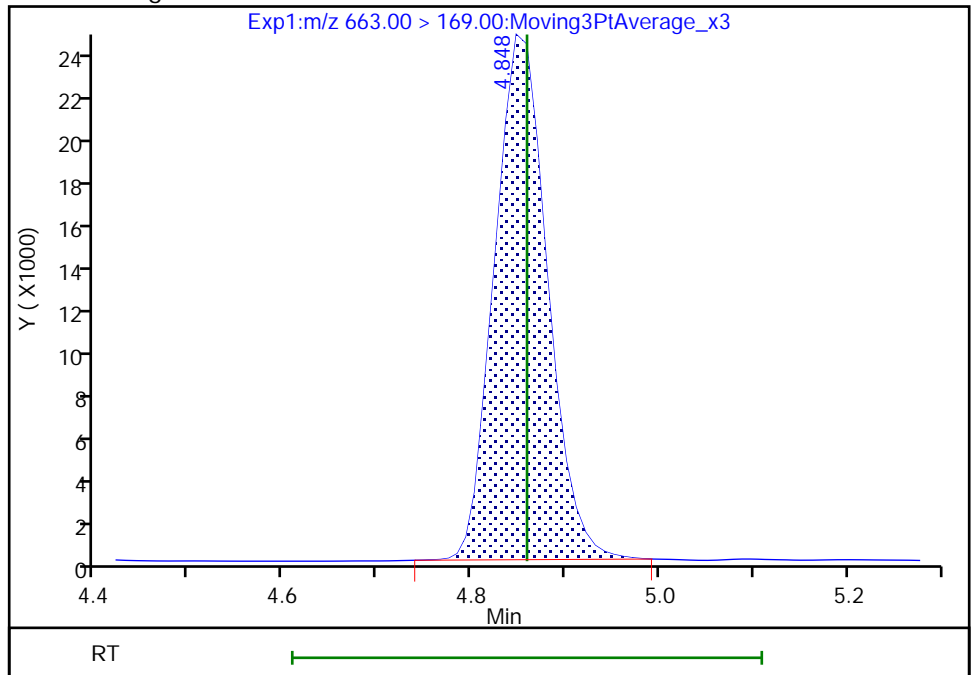
RT: 4.85
Area: 96744
Amount: 0.530437
Amount Units: ng/ml

Processing Integration Results



RT: 4.85
Area: 95909
Amount: 0.527371
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:44:30

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

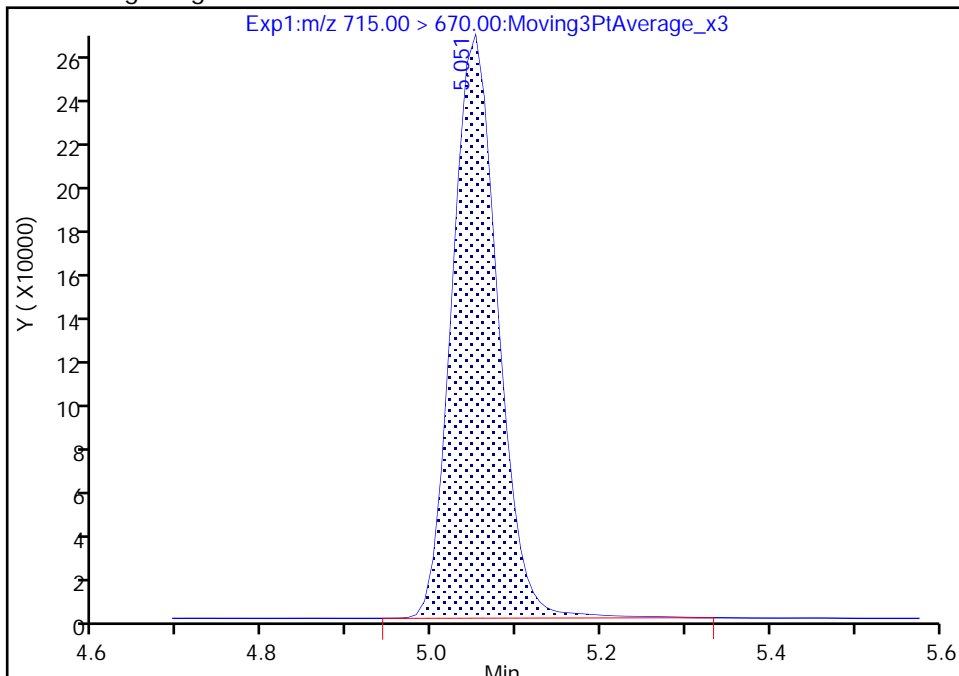
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

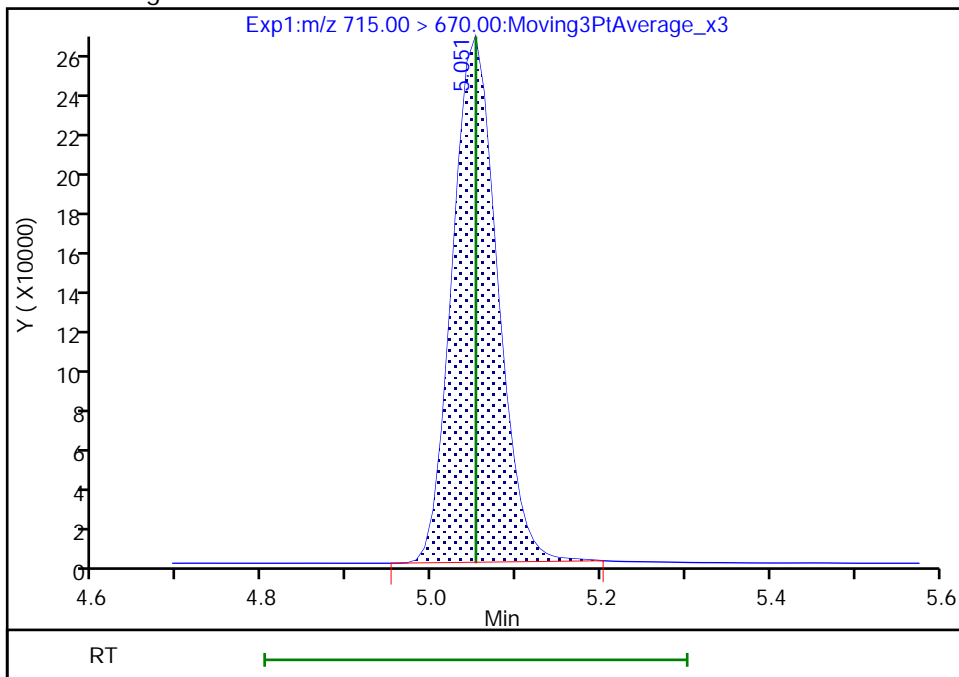
RT: 5.05
Area: 980919
Amount: 1.172592
Amount Units: ng/ml

Processing Integration Results



RT: 5.05
Area: 969884
Amount: 1.252713
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:44:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

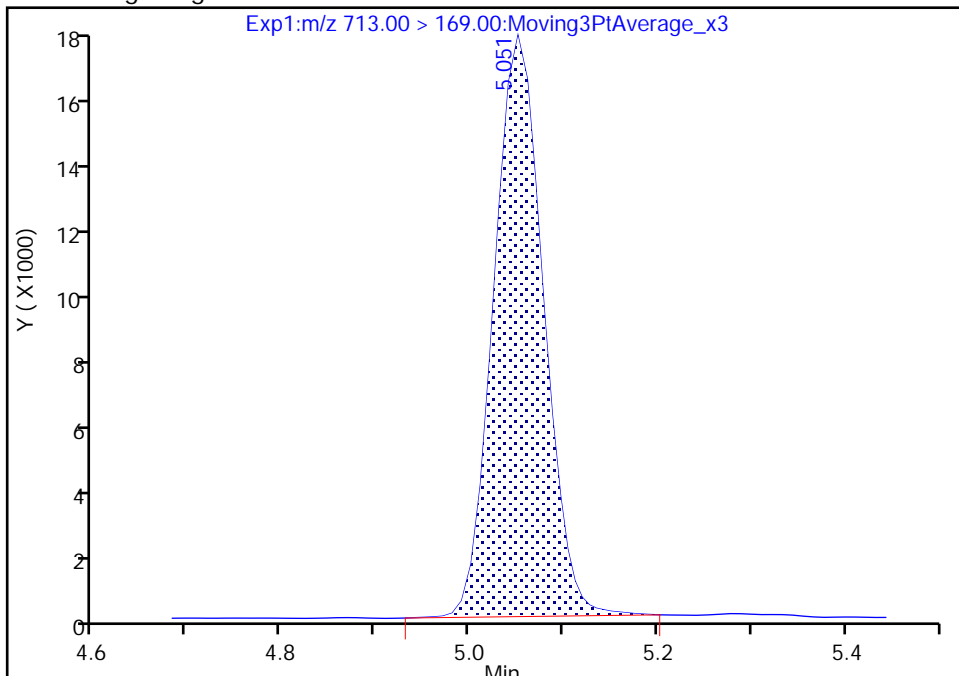
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

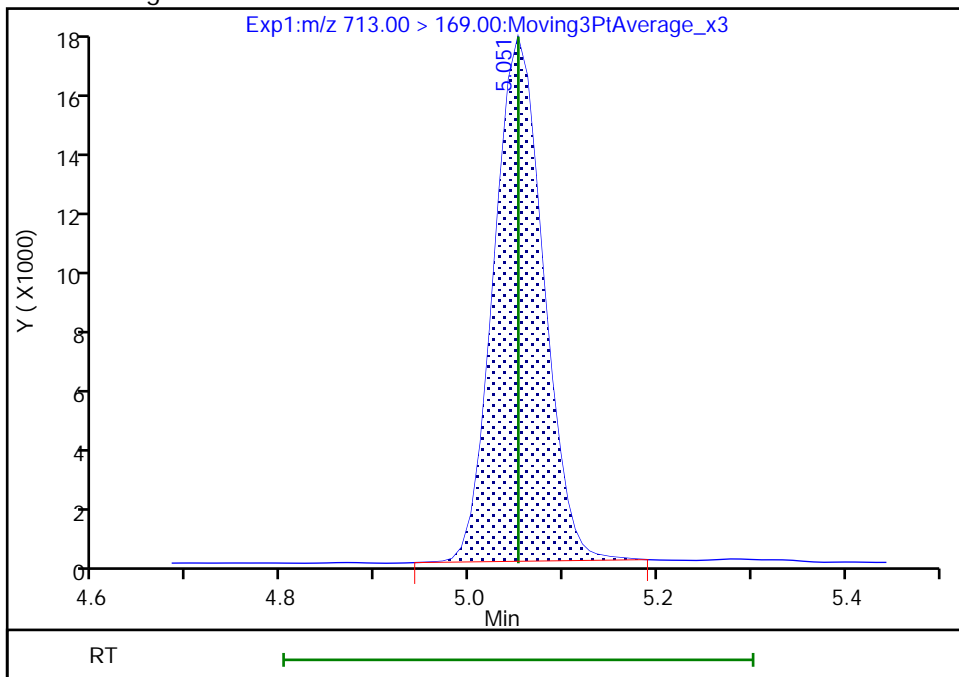
RT: 5.05
Area: 63227
Amount: 0.511523
Amount Units: ng/ml

Processing Integration Results



RT: 5.05
Area: 63032
Amount: 0.507059
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:44:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

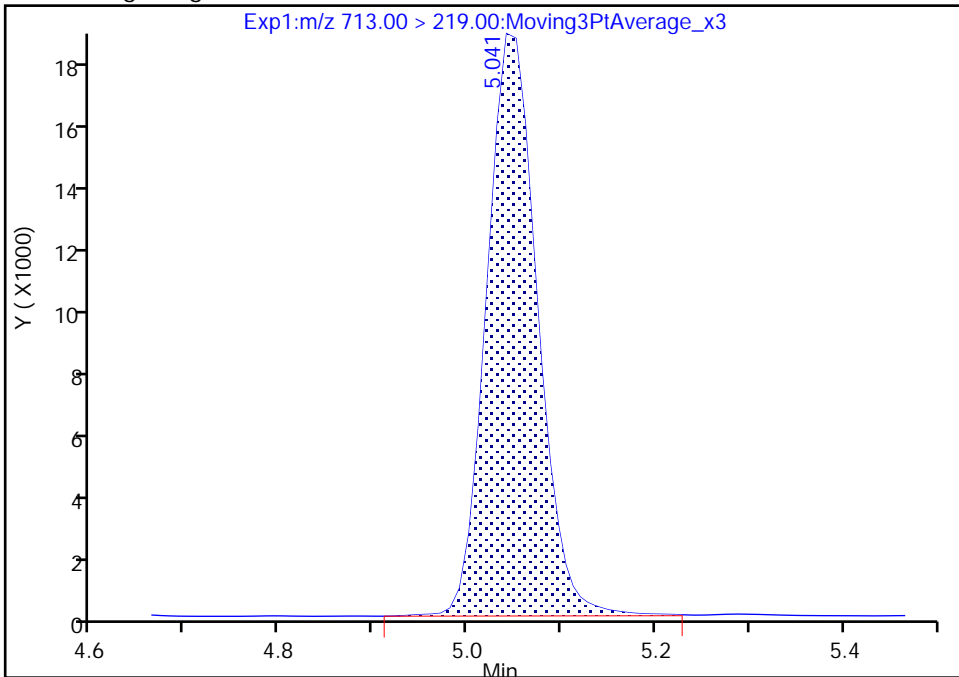
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

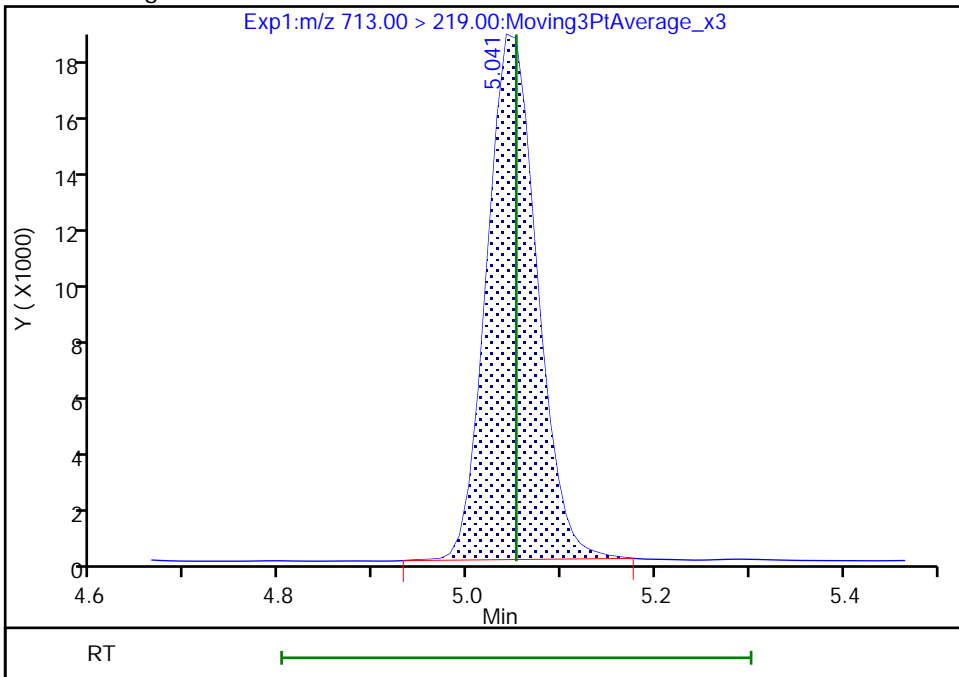
RT: 5.04
Area: 70530
Amount: 0.511523
Amount Units: ng/ml

Processing Integration Results



RT: 5.04
Area: 69631
Amount: 0.507059
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:44:38

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

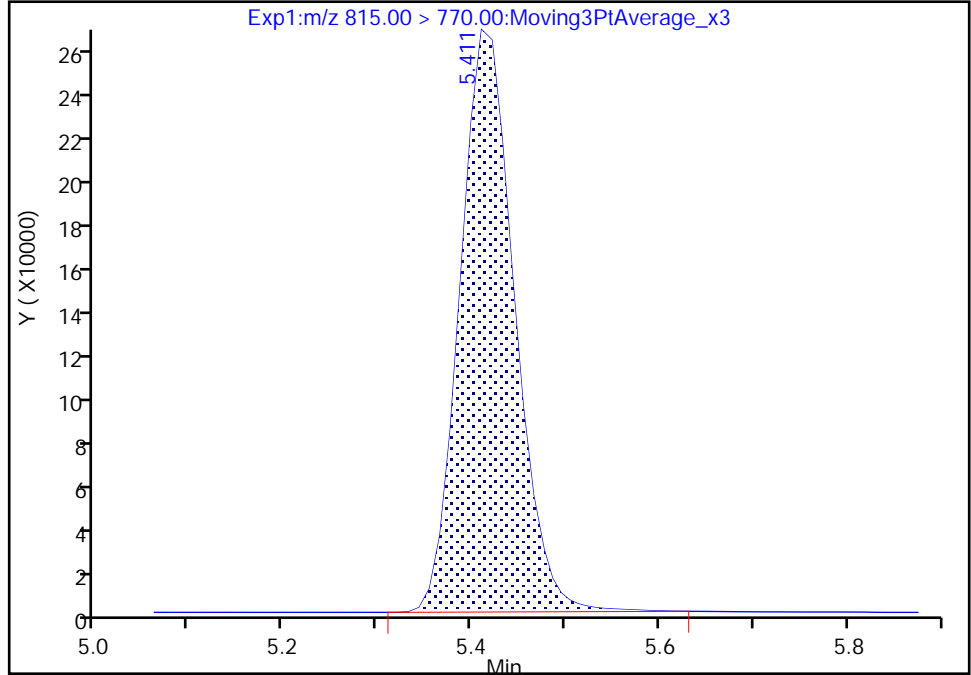
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 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

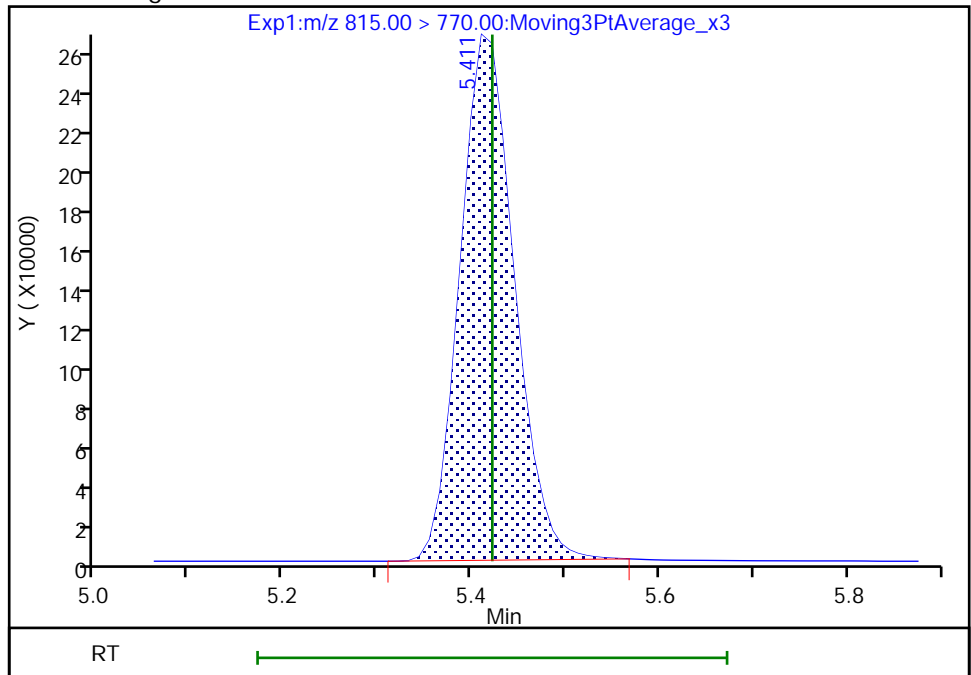
RT: 5.41
Area: 1050862
Amount: 1.165401
Amount Units: ng/ml

Processing Integration Results



RT: 5.41
Area: 1043688
Amount: 1.183398
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:44:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

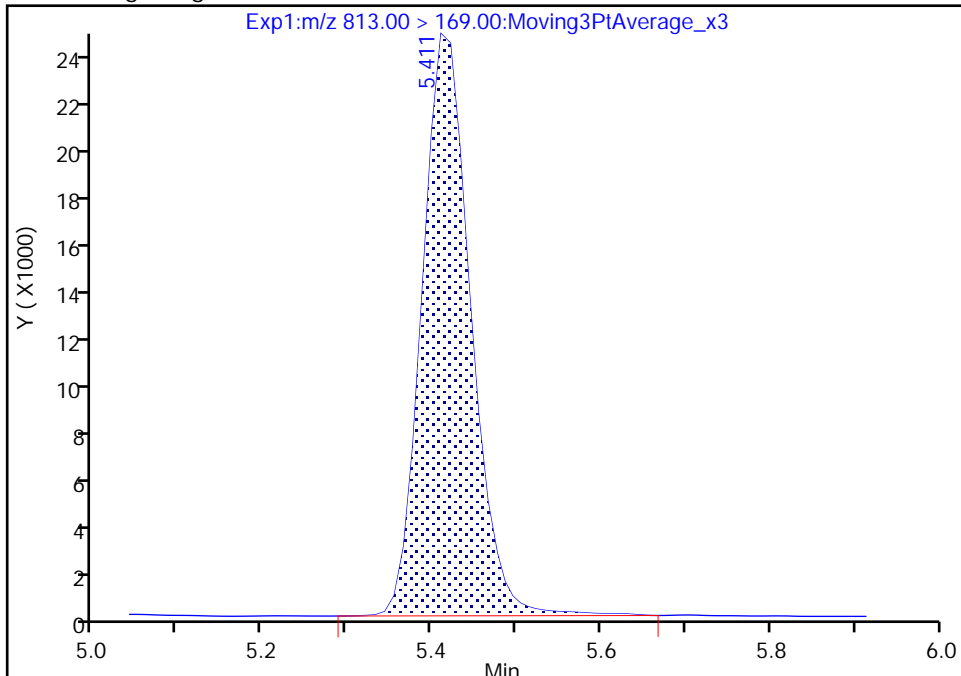
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

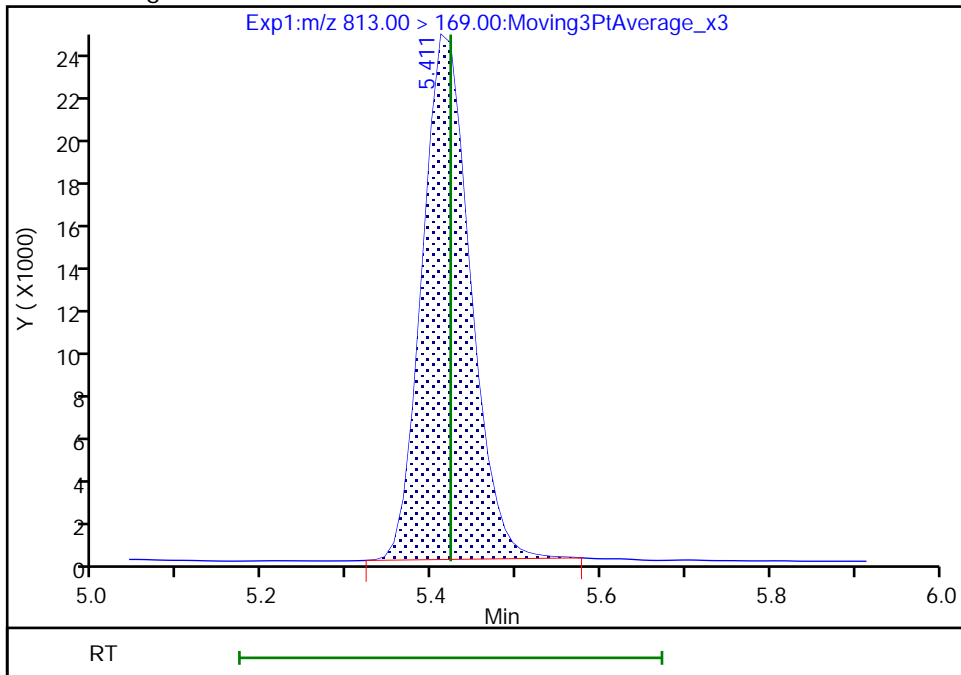
RT: 5.41
Area: 97106
Amount: 0.564180
Amount Units: ng/ml

Processing Integration Results



RT: 5.41
Area: 95637
Amount: 0.554475
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:44:53
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

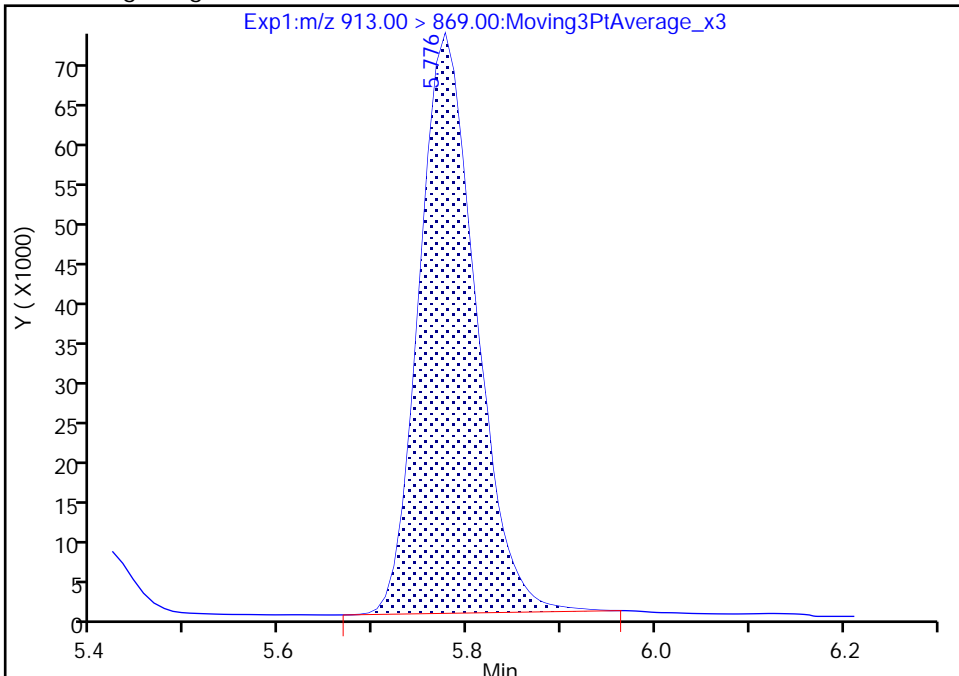
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

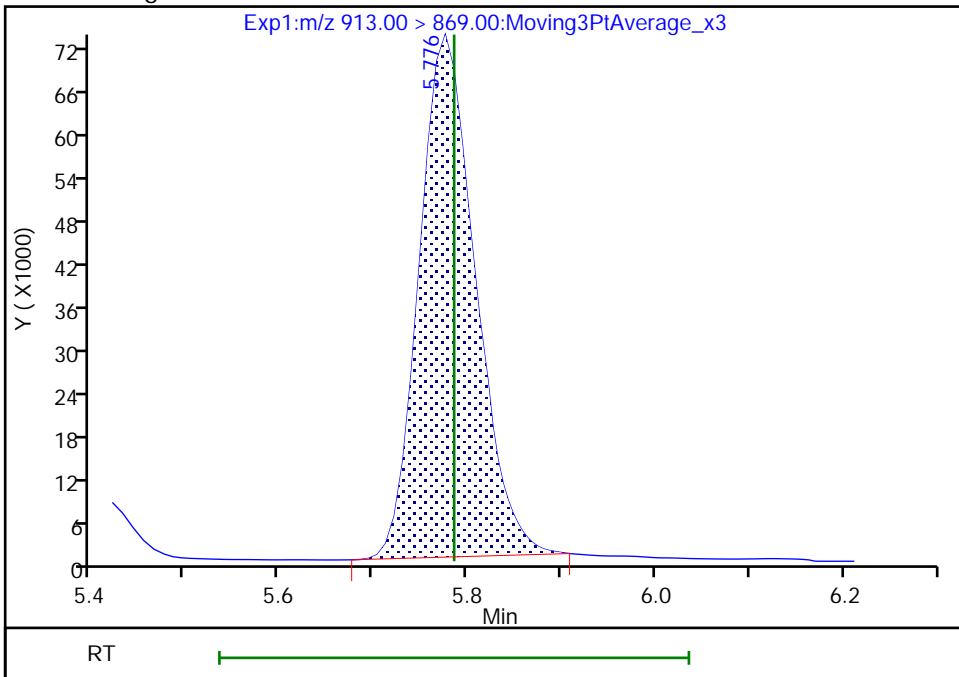
RT: 5.78
Area: 308100
Amount: 0.533653
Amount Units: ng/ml

Processing Integration Results



RT: 5.78
Area: 304377
Amount: 0.548272
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:44:58
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

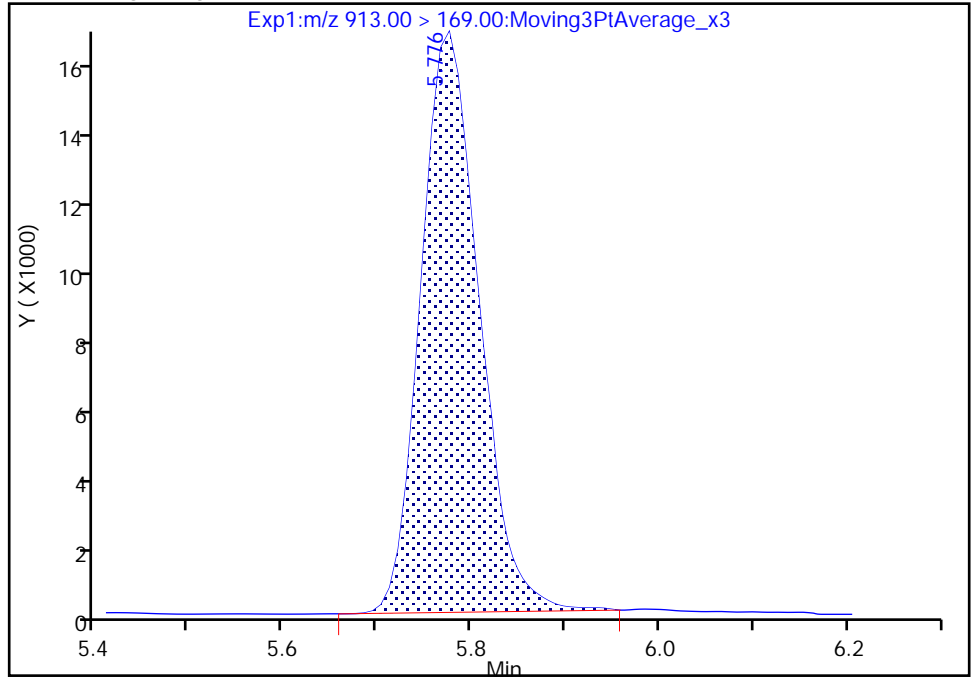
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

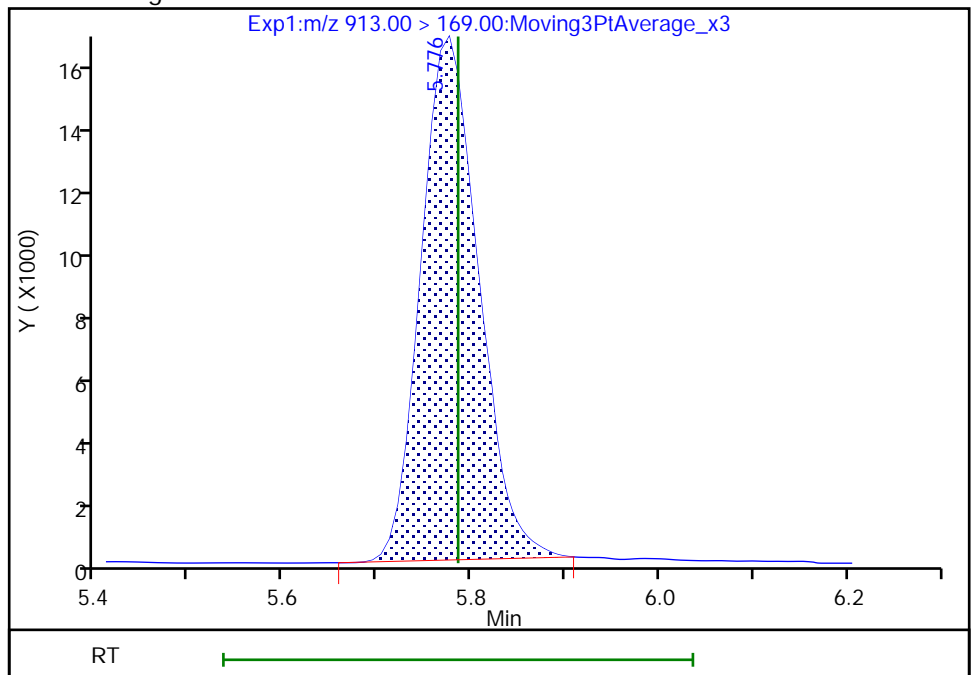
RT: 5.78
Area: 69080
Amount: 0.533653
Amount Units: ng/ml

Processing Integration Results



RT: 5.78
Area: 68198
Amount: 0.548272
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:45:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
 Lims ID: ICIS
 Client ID:
 Sample Type: ICIS Calib Level: 4
 Inject. Date: 03-Aug-2022 13:24:49 ALS Bottle#: 5 Worklist Smp#: 8
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: ICIS
 Misc. Info.: 200-0051940-008 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 03-Aug-2022 14:25:22 Calib Date: 03-Aug-2022 13:41:11
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1672

First Level Reviewer: Z1IP Date: 03-Aug-2022 13:51:41

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										M
217.00 > 172.00	2.085	2.085	0.0	0.599	1990166	1.23		98.7	7213	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.085	0.0	1.000	1485378	0.9621		96.2	231	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.400	0.0	0.689	1448057	1.17		93.4	2957	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.400	2.400	0.0	1.000	1164099	0.9747		97.5	48.4	
D 47 13C3 PFBS										
301.90 > 80.00	2.413	2.413	0.0	0.693	1606766	1.12		96.3	253305	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.413	2.413	0.0	1.000	1308863	0.8579	Target=2.18	97.0	1206	
298.90 > 99.00	2.427	2.413	0.014	1.006	588202		2.23(1.09-3.28)	97.0	481	
D 60 M2-4:2 FTS										
329.00 > 81.00	2.713	2.713	0.0	0.779	139111	1.13		96.4	154	
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.713	2.713	0.0	1.000	264719	0.9347		100	2421	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.750	2.750	0.0	1.000	1254024	0.9718	Target=12.37	97.2	288	
313.00 > 119.00	2.750	2.750	0.0	1.000	102444		12.24(6.19-18.56)	97.2	187	M
D 7 13C2 PFHxA										M
315.00 > 270.00	2.750	2.750	0.0	0.790	1545822	1.25		99.9	2534	M
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.762	2.762	0.0	0.885	1187688	0.9027	Target=3.00	96.2	1239	M
349.00 > 99.00	2.762	2.762	0.0	0.885	402094		2.95(1.50-4.50)	96.2	747	
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.859	2.859	0.0	0.821	284467	1.22		97.6	1430	

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	2.859	2.859	0.0	1.000	234481	0.9589		95.9	2385	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.121	3.121	0.0	0.896	1584230	1.23		98.7	2426	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.121	3.121	0.0	1.000	1289525	0.9873	Target=3.68	98.7	348	M
363.00 > 169.00	3.121	3.121	0.0	1.000	346094		3.73(1.84-5.52)	98.7	539	M
D 11 18O2 PFHxS										M
403.00 > 84.00	3.121	3.121	0.0	0.896	1199930	1.19		101	1779	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.121	3.121	0.0	1.000	943168	0.8427	Target=3.52	92.6	1166	M
399.00 > 99.00	3.121	3.121	0.0	1.000	274604		3.43(1.76-5.27)	92.6	325	M
77 DONA										M
377.00 > 251.00	3.165	3.165	0.0	0.832	2813092	0.9411	Target=2.78	99.9	1880	M
377.00 > 85.00	3.165	3.165	0.0	0.832	991616		2.84(1.39-4.17)	99.9	1036	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.474	3.474	0.0	0.997	203094	1.20		101	372	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.474	3.474	0.0	1.000	238899	0.9418		99.3	398	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.474	3.474	0.0	0.914	822025	0.9164	Target=4.99	96.3	1399	M
449.00 > 99.00	3.474	3.474	0.0	0.914	168205		4.89(2.50-7.49)	96.3	647	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.482	3.482	0.0	1.000	1407860	0.9724	Target=2.64	97.2	160	M
413.00 > 169.00	3.482	3.482	0.0	1.000	526635		2.67(1.32-3.96)	97.2	912	M
D 14 13C4 PFOA										M
417.00 > 372.00	3.482	3.482	0.0	1.000	1613787	1.23		98.1	1604	M
* 62 13C2 PFOA										M
415.00 > 370.00	3.482	3.482	0.0		1727269	1.25			1812	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.802	3.802	0.0	1.000	683046	0.9274	Target=4.77	99.9	364	M
499.00 > 99.00	3.802	3.802	0.0	1.000	139901		4.88(2.38-7.15)	99.9	419	M
D 18 13C4 PFOS										M
503.00 > 80.00	3.802	3.802	0.0	1.092	867294	1.15		96.3	1526	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.822	3.822	0.0	1.000	1409012	0.99	Target=7.92	99.3	443	
463.00 > 169.00	3.822	3.822	0.0	1.000	171207		8.23(3.96-11.88)	99.3	1255	
D 19 13C5 PFNA										M
468.00 > 423.00	3.822	3.822	0.0	1.098	1743026	1.28		102	2084	M
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.969	3.969	0.0	1.044	1181613	0.9216		98.9	1874	M
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.093	4.093	0.0	1.076	533126	0.9382	Target=2.52	97.7	2279	M
549.00 > 99.00	4.093	4.093	0.0	1.076	210996		2.53(1.26-3.78)	97.7	711	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.127	4.127	0.0	0.997	194268	1.00		105	1449	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	4.127	4.127	0.0	1.000	1414392	1.00	Target=9.74	100	687	M
513.00 > 169.00	4.127	4.127	0.0	1.000	146317		9.67(4.87-14.60)	100	641	M
D 23 13C2 PFDA										M
515.00 > 470.00	4.127	4.127	0.0	1.185	1674653	1.26		101	1506	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.138	4.138	0.0	1.188	240555	1.18		98.8	846	
D 21 13C8 FOSA										M
506.00 > 78.00	4.173	4.173	0.0	1.198	1386621	1.19		95.3	1498	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.173	4.173	0.0	1.000	1095271	0.9689		96.9	1349	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.273	4.273	0.0	1.000	153984	0.9732		97.3	429	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.273	4.273	0.0	1.227	222702	1.25		100.0	520	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.365	4.365	0.0	1.148	414469	0.9801	Target=2.62	102	1121	M
599.00 > 99.00	4.365	4.365	0.0	1.148	147870		2.80(1.31-3.93)	102	922	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.399	4.399	0.0	1.263	1185895	1.18		94.2	1522	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.399	4.399	0.0	1.000	1006935	1.00	Target=8.83	100	738	
563.00 > 169.00	4.399	4.399	0.0	1.000	110966		9.07(4.41-13.24)	100	1029	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.410	4.410	0.0	1.000	144142	0.9611		96.1	655	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.410	4.410	0.0	1.266	206475	1.22		97.9	886	
66 11-Chloroeicosafuoro-3-oxaundec										M
631.00 > 451.00	4.491	4.491	0.0	1.181	1584274	0.9494		101	1657	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.633	4.633	0.0	1.330	1247905	1.20		95.6	2577	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.633	4.633	0.0	1.000	1007986	1.00	Target=6.63	99.6	155	
613.00 > 169.00	4.633	4.633	0.0	1.000	144662		6.97(3.32-9.95)	99.6	741	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.654	4.654	0.0	1.125	88428	0.9758		101	595	M
75 Perfluorododecanesulfonic acid (M
699.00 > 80.00	4.813	4.813	0.0	1.266	169391	0.9022	Target=0.54	93.2	1209	
699.00 > 99.00	4.813	4.813	0.0	1.266	323544		0.52(0.27-0.81)	93.2	1293	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.859	4.859	0.0	1.049	899529	1.02	Target=4.62	102	152	M
663.00 > 169.00	4.859	4.859	0.0	1.049	197181		4.56(2.31-6.94)	102	814	M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.052	5.052	0.0	1.451	1055713	1.24		98.9	3624	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.052	5.052	0.0	1.000	133055	0.9833	Target=0.94	98.3	766	
713.00 > 219.00	5.052	5.052	0.0	1.000	141742		0.94(0.47-1.41)	98.3	930	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	5.422	5.422	0.0	1.000	890409	1.02	Target=4.40	102	191	M
813.00 > 169.00	5.422	5.422	0.0	1.000	203401		4.38(2.20-6.59)	102	1180	
D 44 13C2 PFHxDA										M
815.00 > 770.00	5.422	5.422	0.0	1.557	1201939	1.24		98.9	2047	M
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.786	5.786	0.0	1.067	621162	0.9716	Target=4.42	97.2	142	M
913.00 > 169.00	5.777	5.786	-0.009	1.065	144019		4.31(2.21-6.63)	97.2	494	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC4_00033

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d

Injection Date: 03-Aug-2022 13:24:49

Instrument ID: LC812

Lims ID: ICIS

Client ID:

Operator ID: lc812tech

ALS Bottle#: 5

Worklist Smp#: 8

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

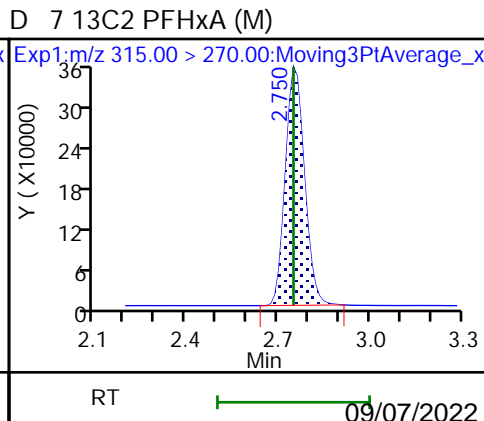
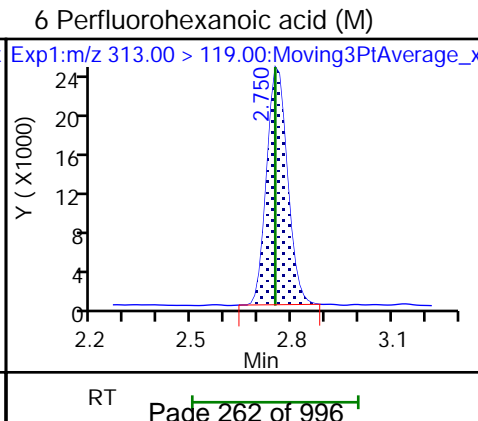
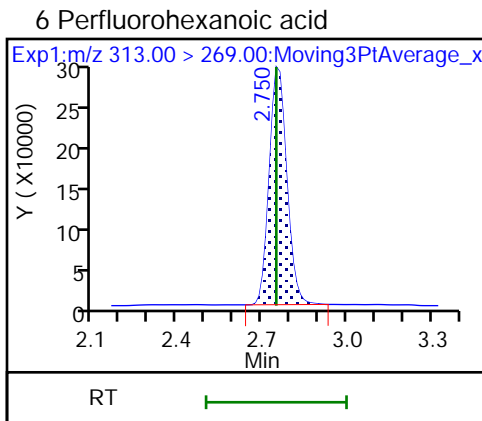
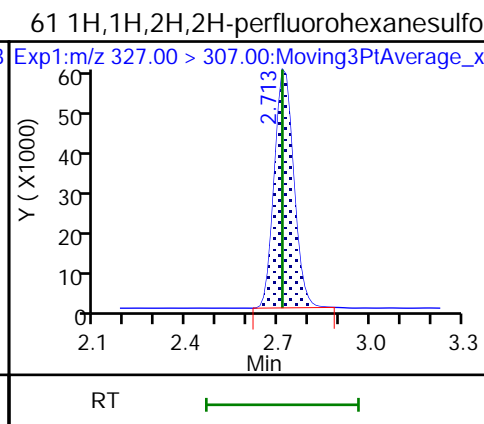
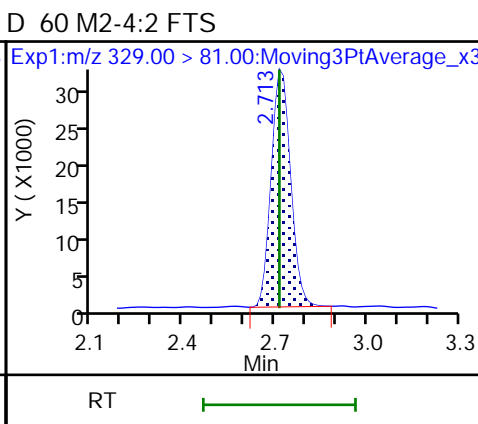
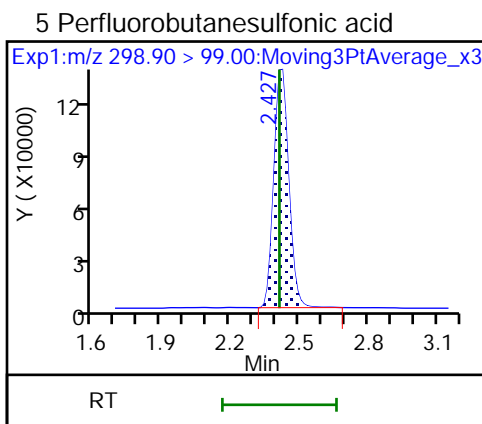
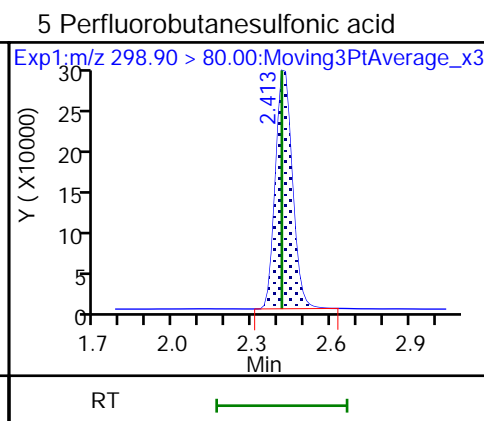
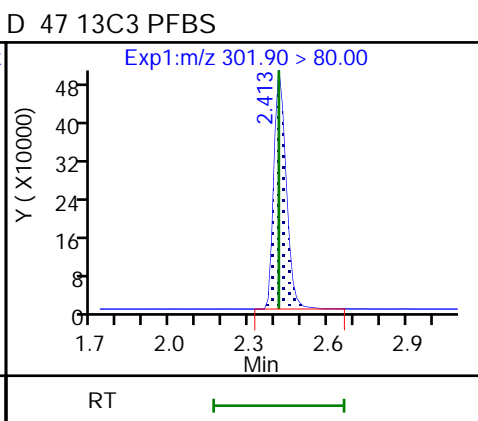
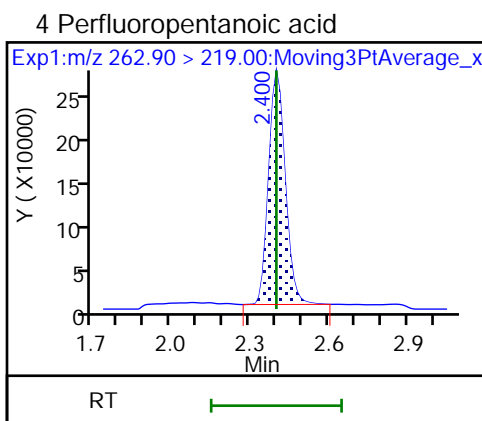
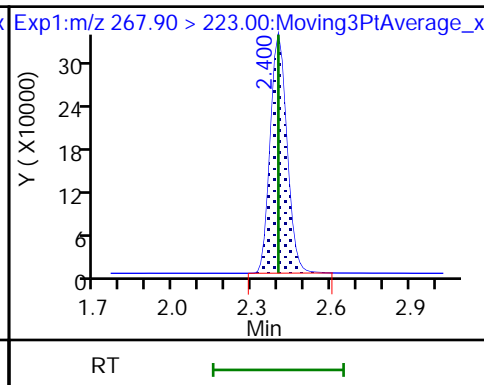
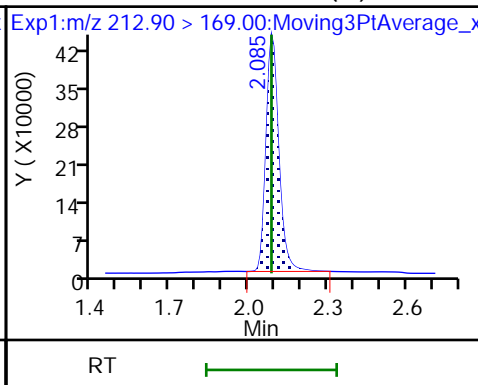
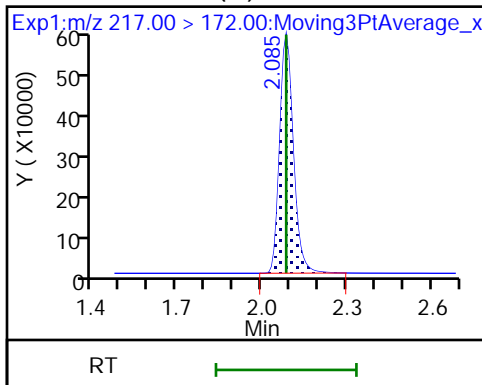
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA (M)

2 Perfluorobutanoic acid (M)

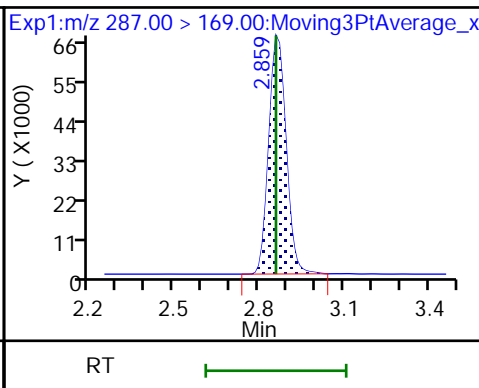
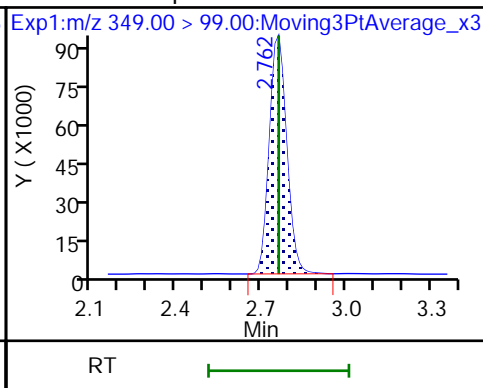
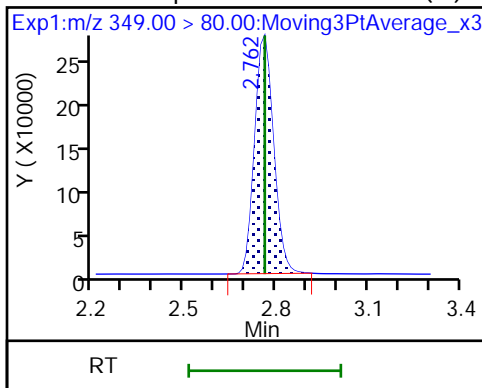
D 3 13C5 PFPeA



70 Perfluoropentanesulfonic acid (M)

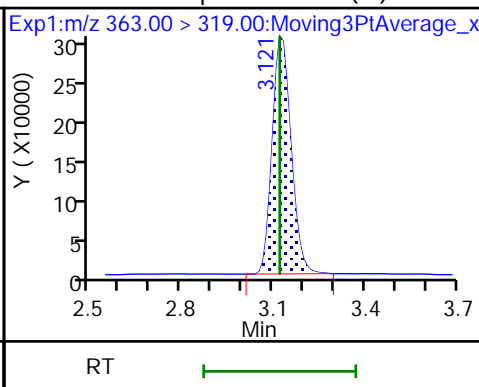
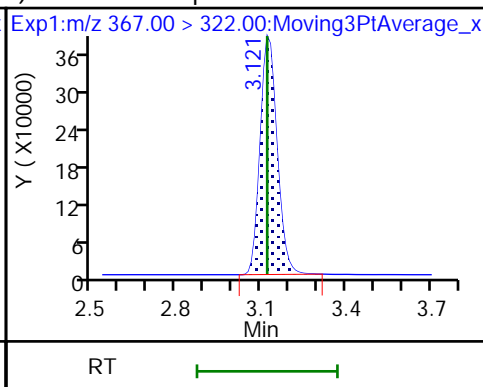
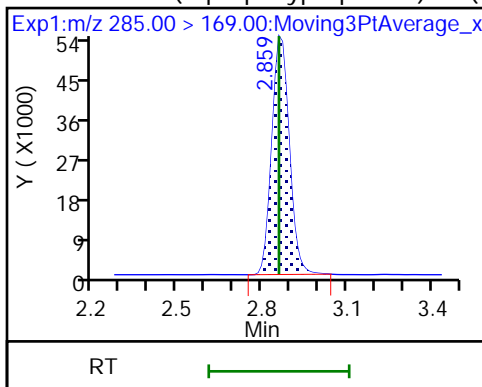
70 Perfluoropentanesulfonic acid

D 64 13C3 HFPO-DA



67 Perfluoro(2-propoxypropanoic) ac (M) 9 13C4 PFHpA

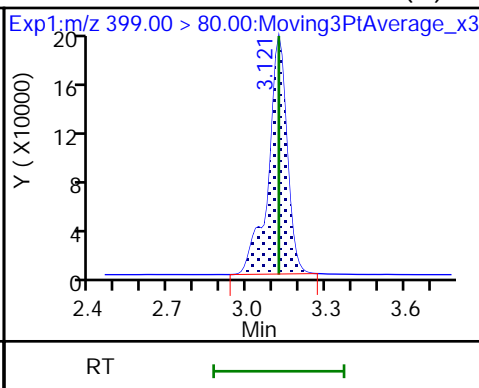
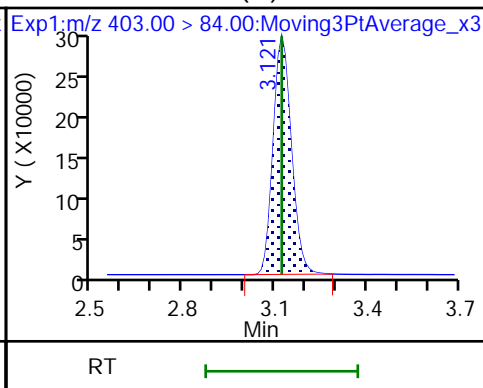
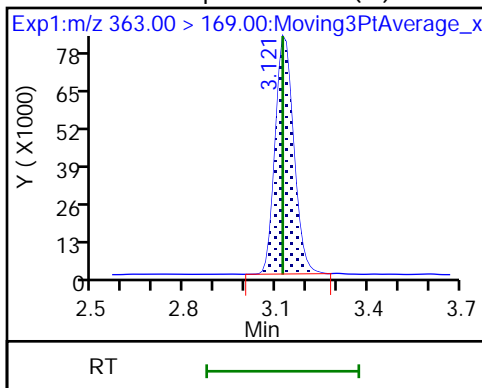
10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid (M)

D 11 18O2 PFHxS (M)

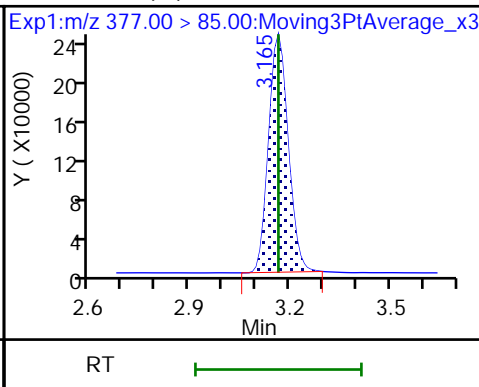
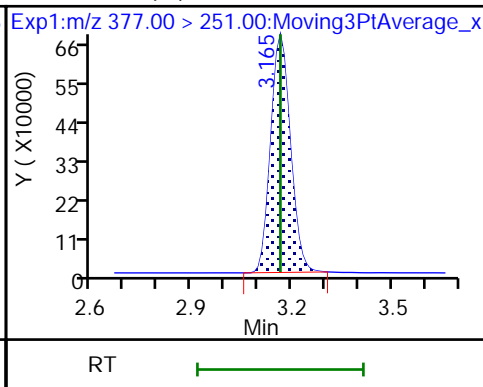
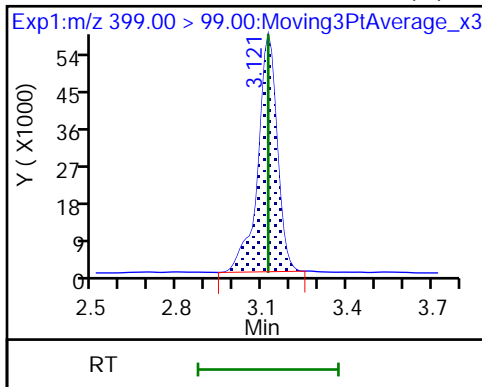
8 Perfluorohexanesulfonic acid (M)



8 Perfluorohexanesulfonic acid (M)

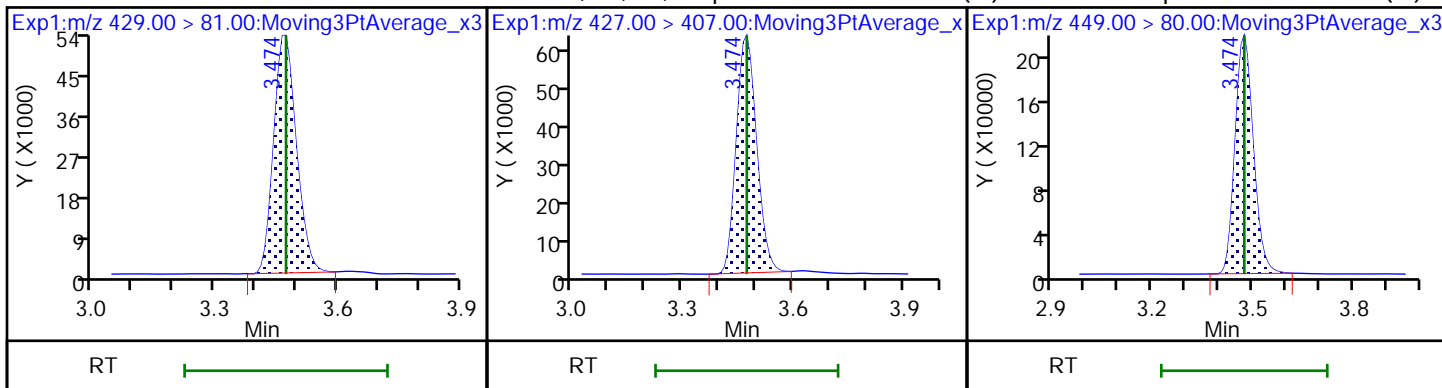
77 DONA (M)

77 DONA (M)



D 12 M2-6:2 FTS

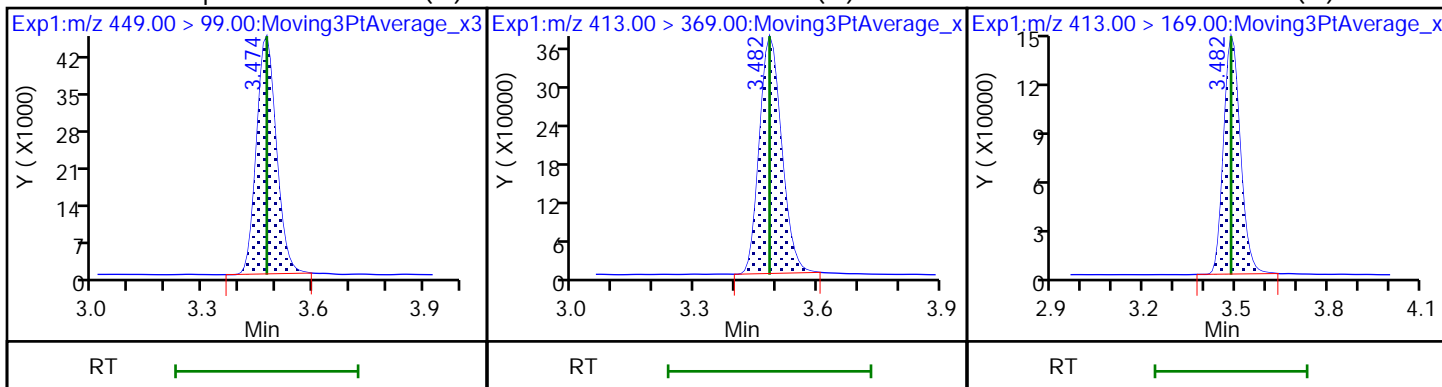
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 6 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

15 Perfluorooctanoic acid (M)

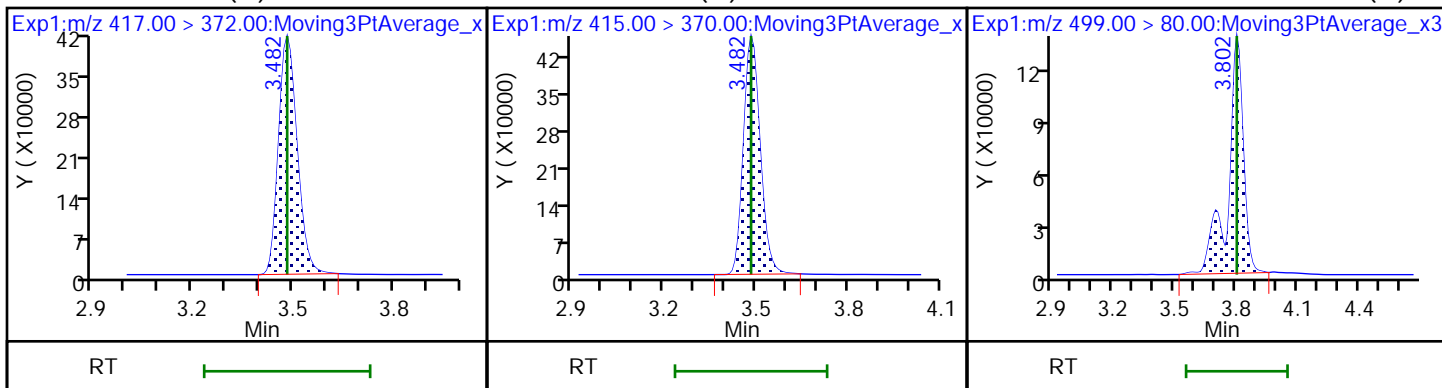
15 Perfluorooctanoic acid (M)



D 14 13C4 PFOA (M)

* 62 13C2 PFOA (M)

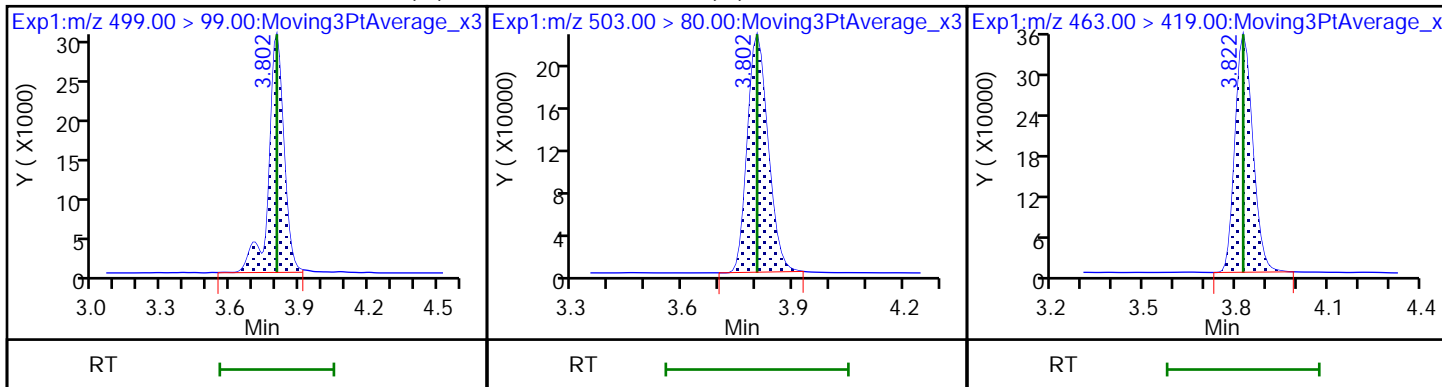
17 Perfluorooctanesulfonic acid (M)

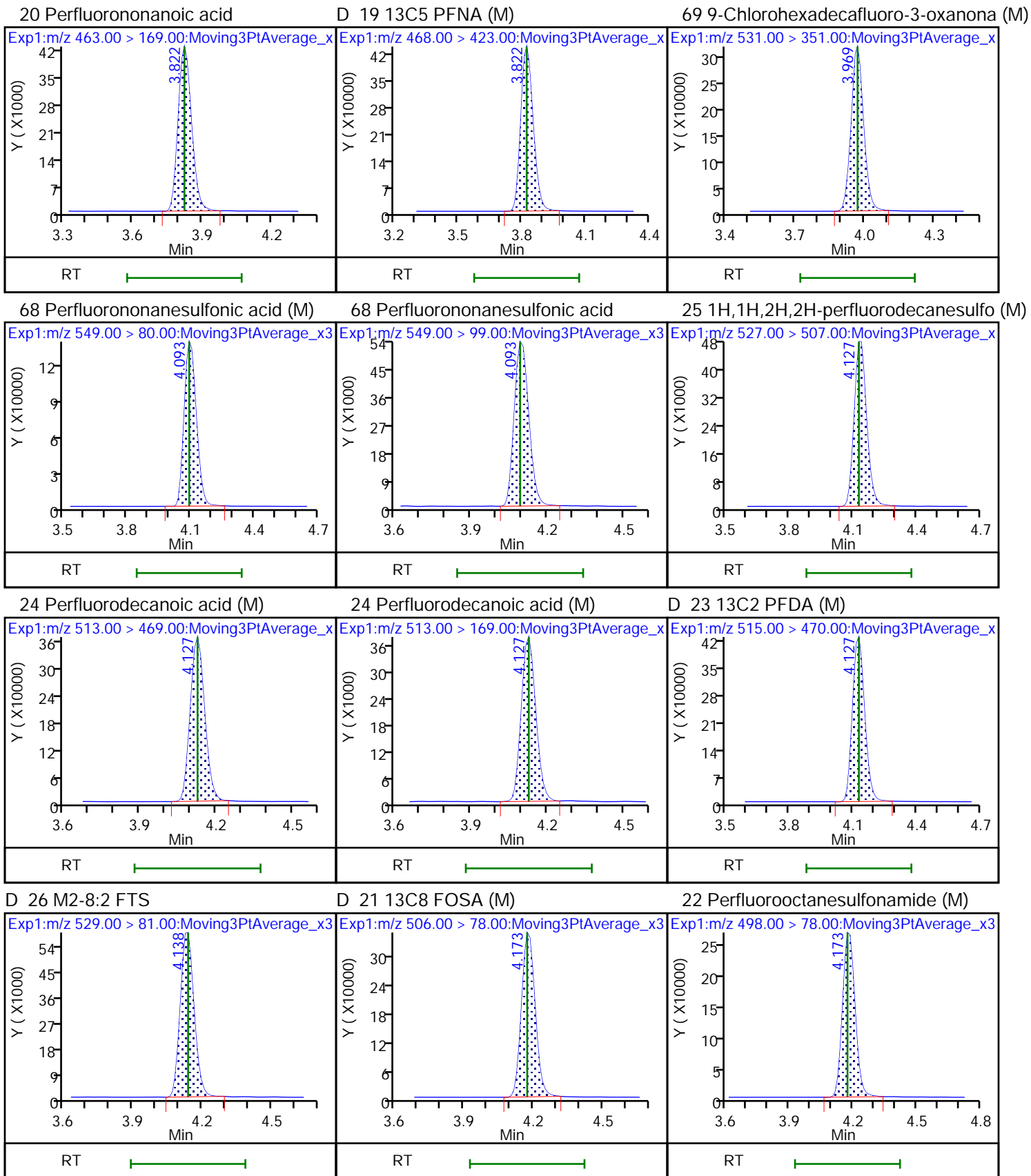


17 Perfluorooctanesulfonic acid (M)

D 18 13C4 PFOS (M)

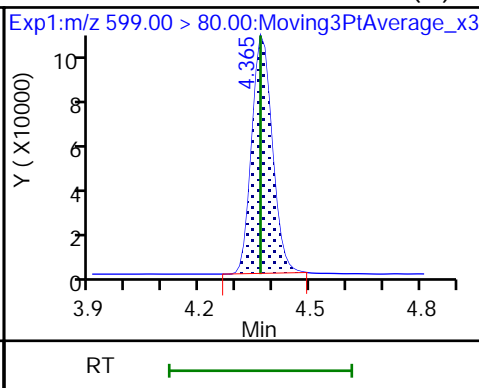
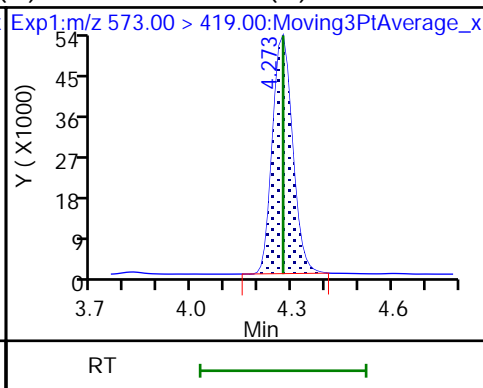
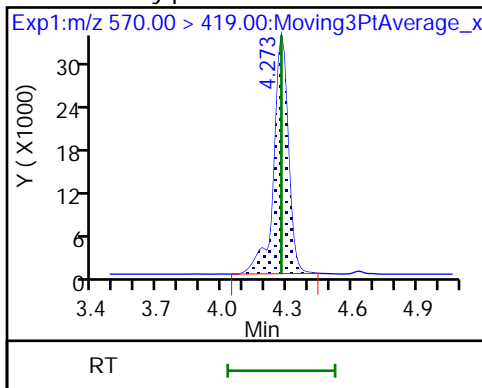
20 Perfluorononanoic acid





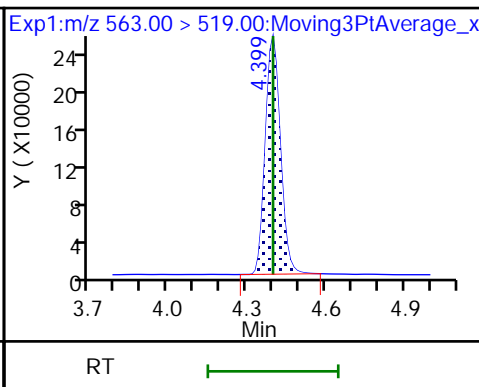
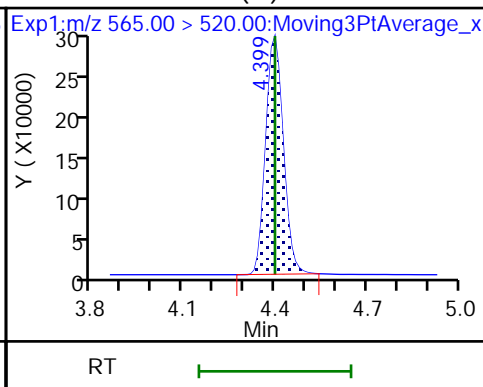
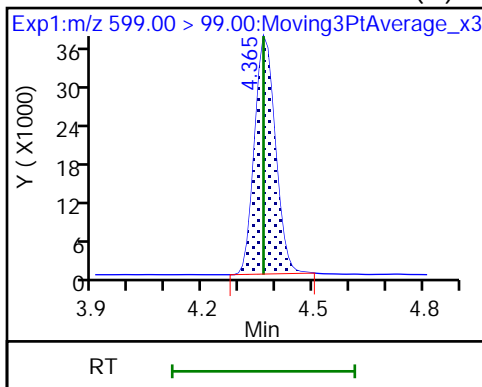
28 N-methylperfluorooctanesulfonami (M) 27 d3-NMeFOSAA (M)

29 Perfluorodecanesulfonic acid (M)



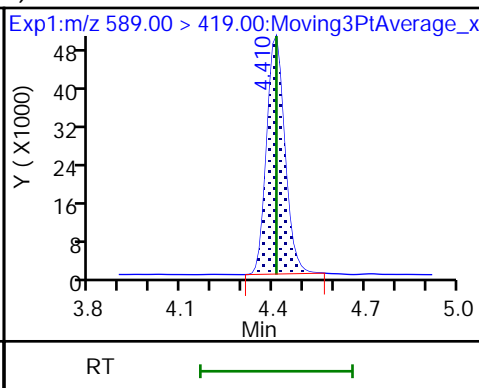
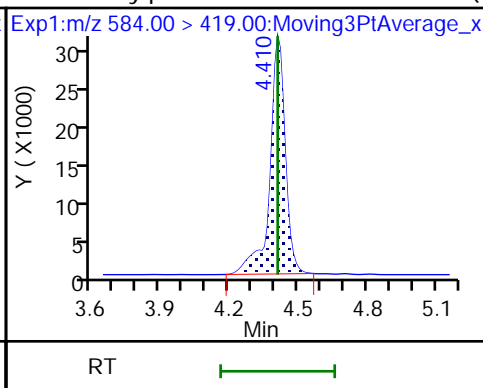
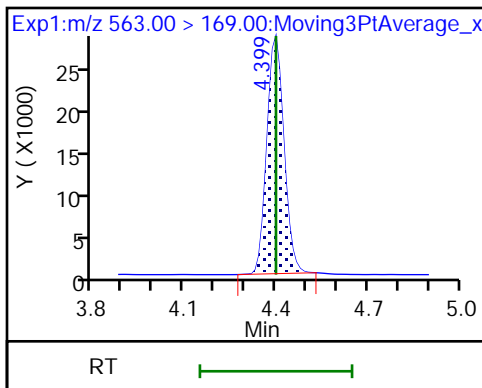
29 Perfluorodecanesulfonic acid (M) D 30 13C2 PFUnA (M)

31 Perfluoroundecanoic acid



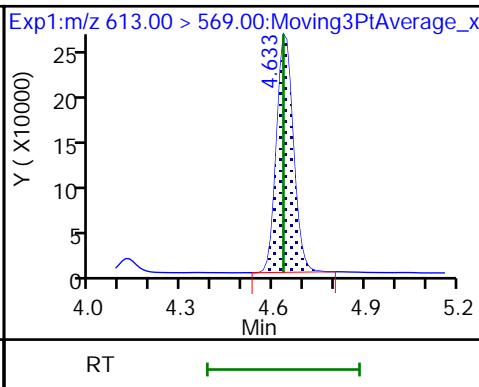
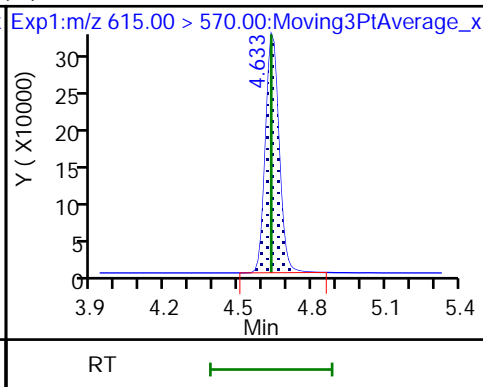
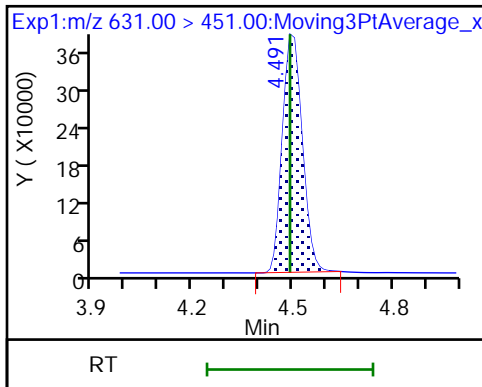
31 Perfluoroundecanoic acid

33 N-ethylperfluorooctanesulfonamid (M) 32 d5-NEtFOSAA



66 11-Chloroeicosafuoro-3-oxaundec (M) 36 13C2 PFDoA

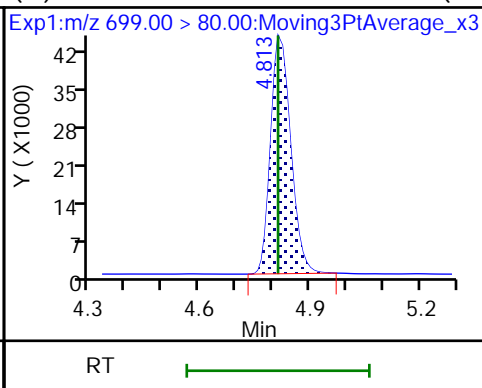
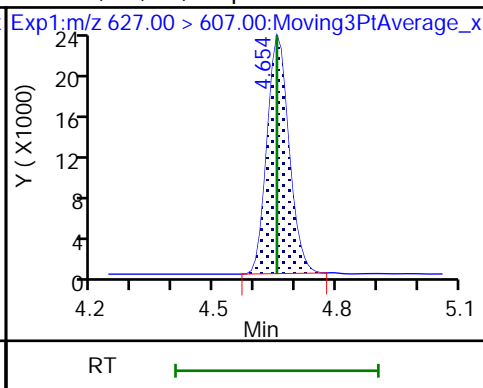
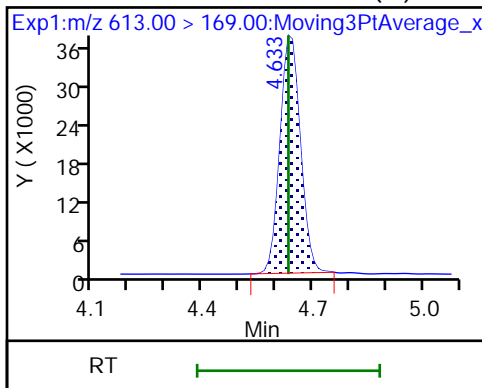
37 Perfluorododecanoic acid



37 Perfluorododecanoic acid (M)

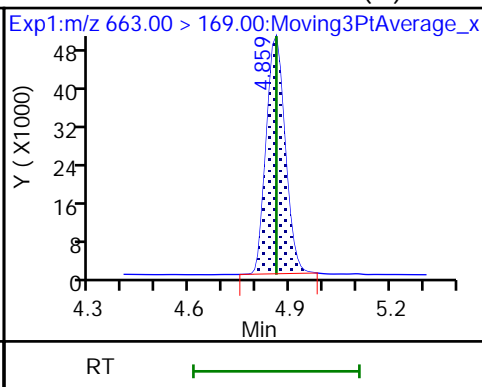
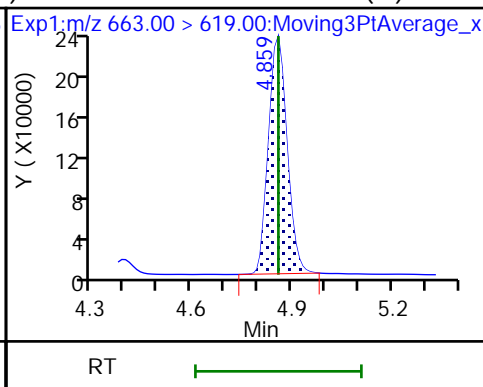
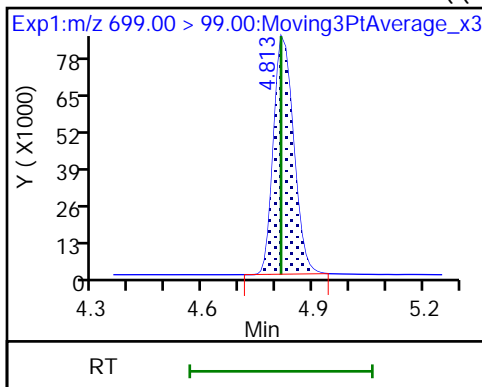
74 1H,1H,2H,2H-perfluorododecanesul (M)

75 Perfluorododecanesulfonic acid (M)



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

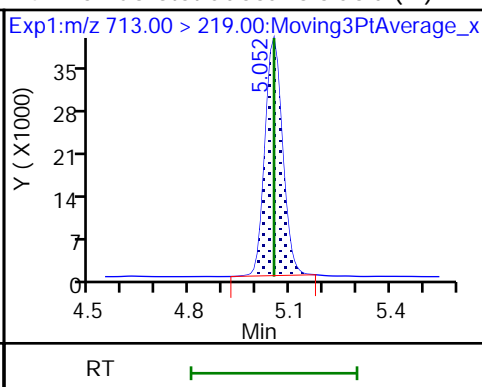
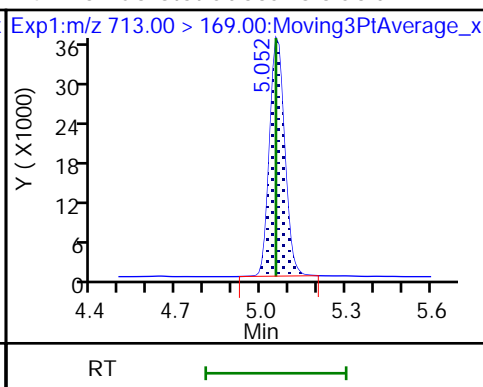
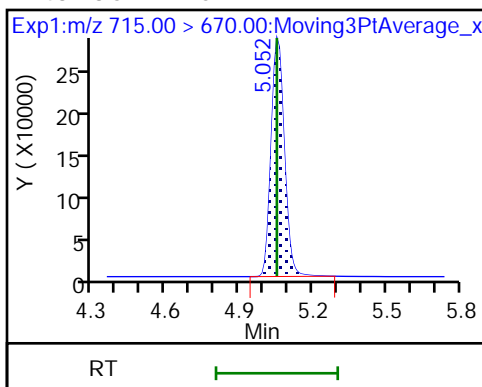
41 Perfluorotridecanoic acid (M)



D 43 13C2 PFTeDA

42 Perfluorotetradecanoic acid

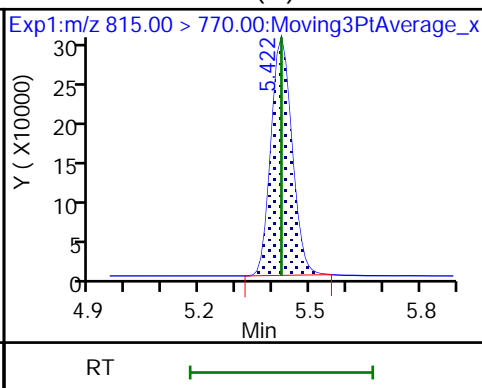
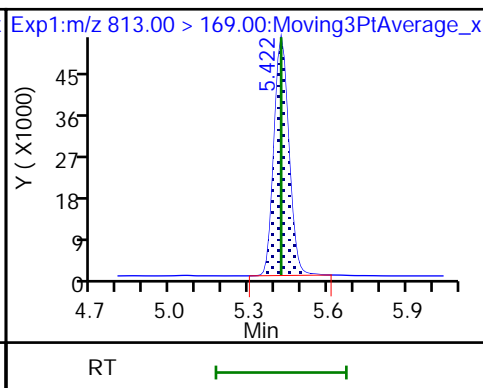
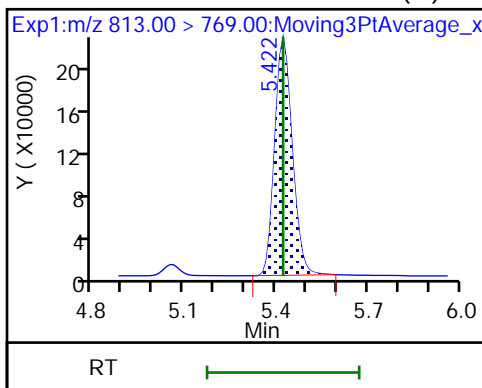
42 Perfluorotetradecanoic acid (M)



45 Perfluorohexadecanoic acid (M)

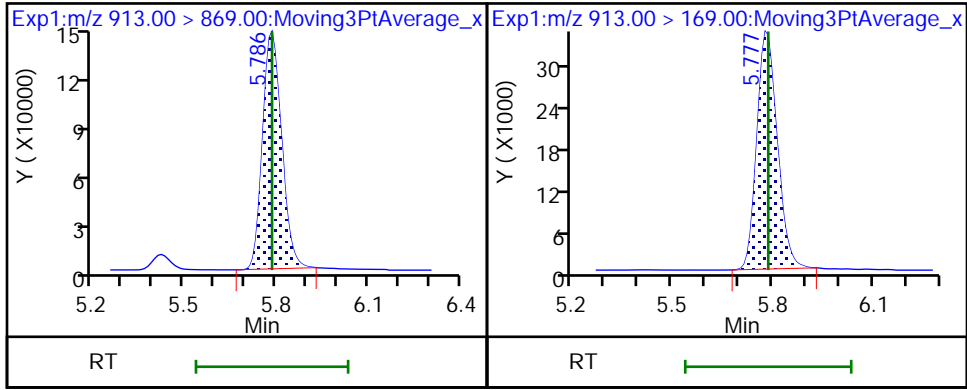
45 Perfluorohexadecanoic acid

D 44 13C2 PFHxDA (M)



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

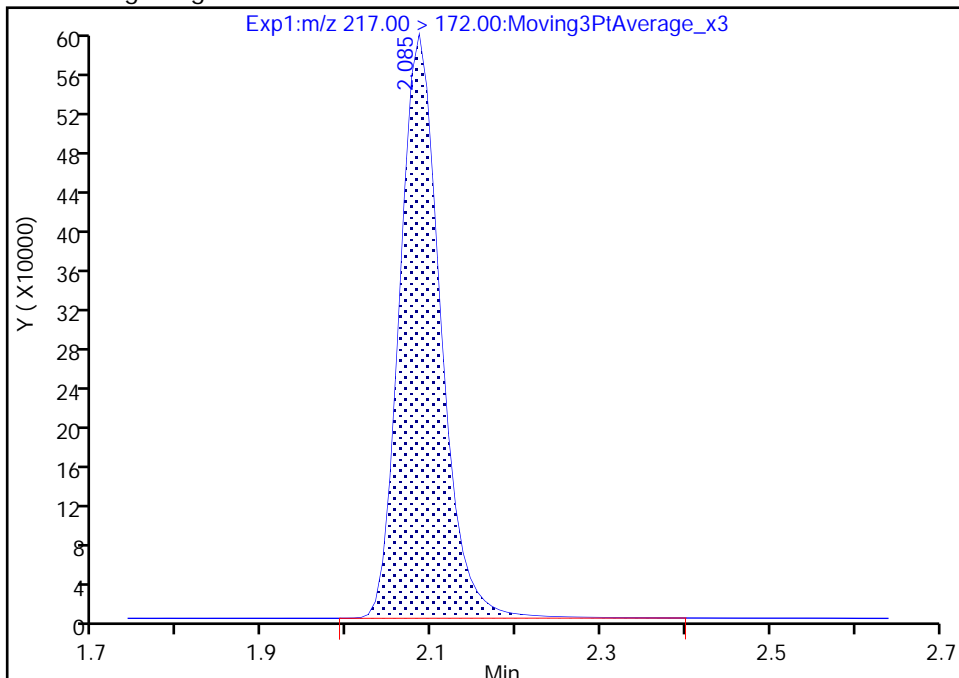
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Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

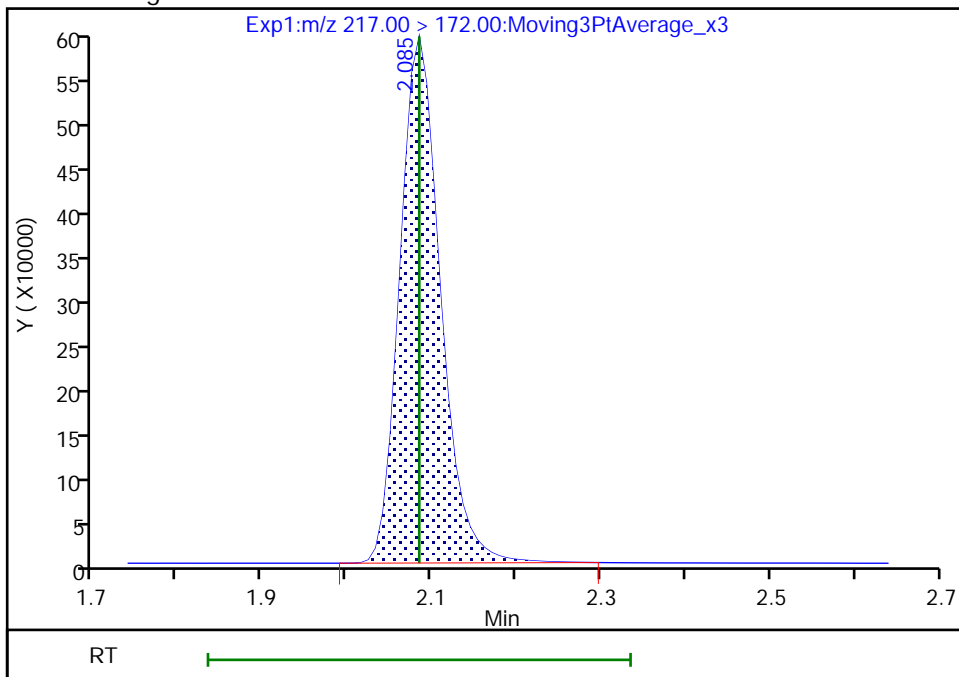
RT: 2.08
Area: 1995913
Amount: 1.269976
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 1990166
Amount: 1.234104
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:45:58
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

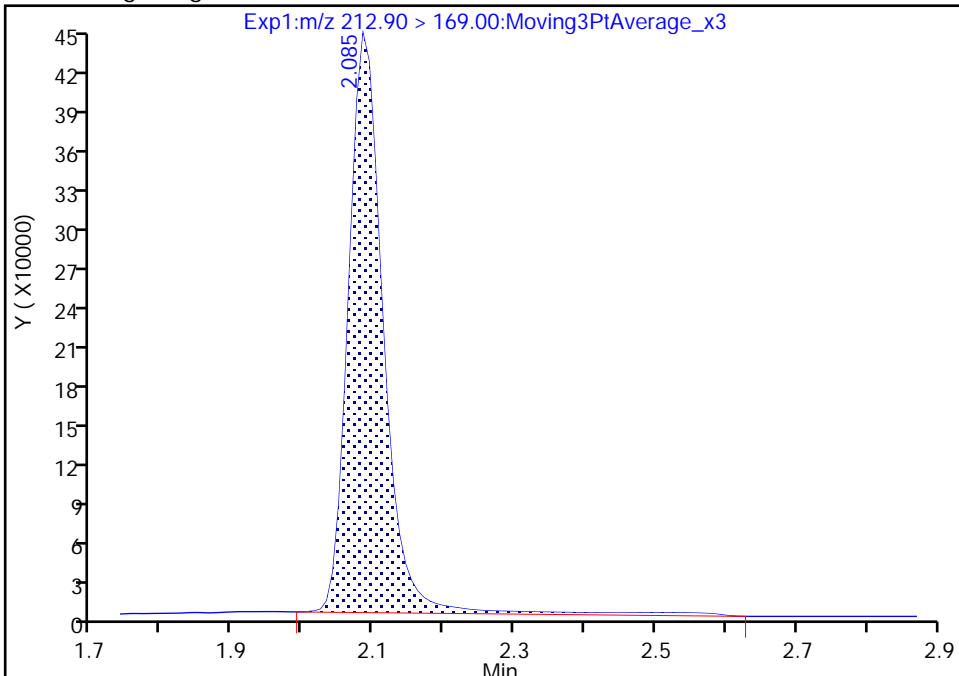
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

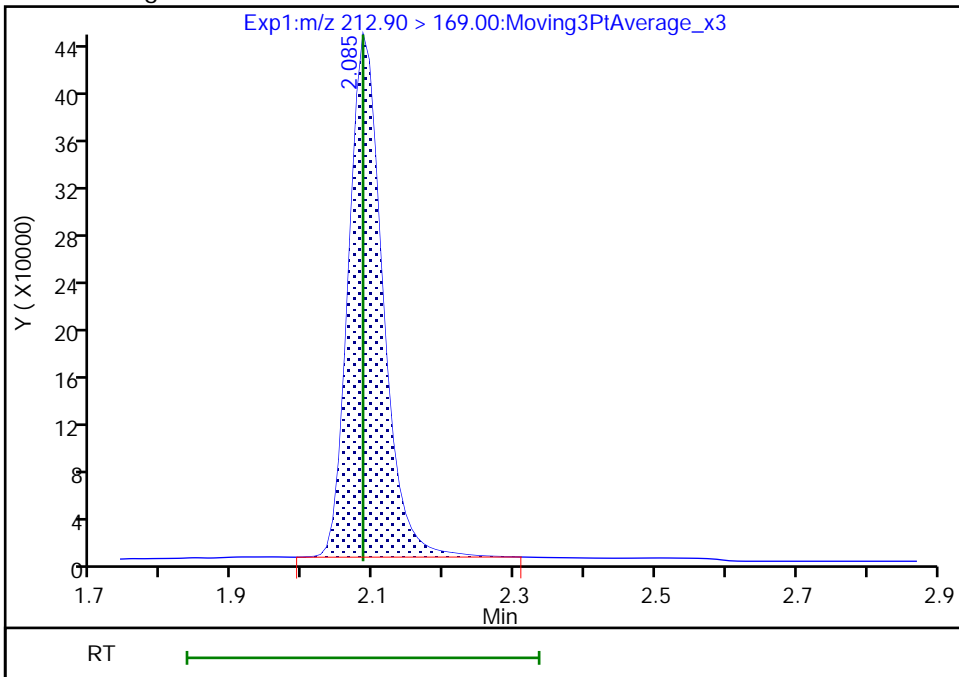
RT: 2.08
Area: 1534489
Amount: 0.983938
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 1485378
Amount: 0.962110
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

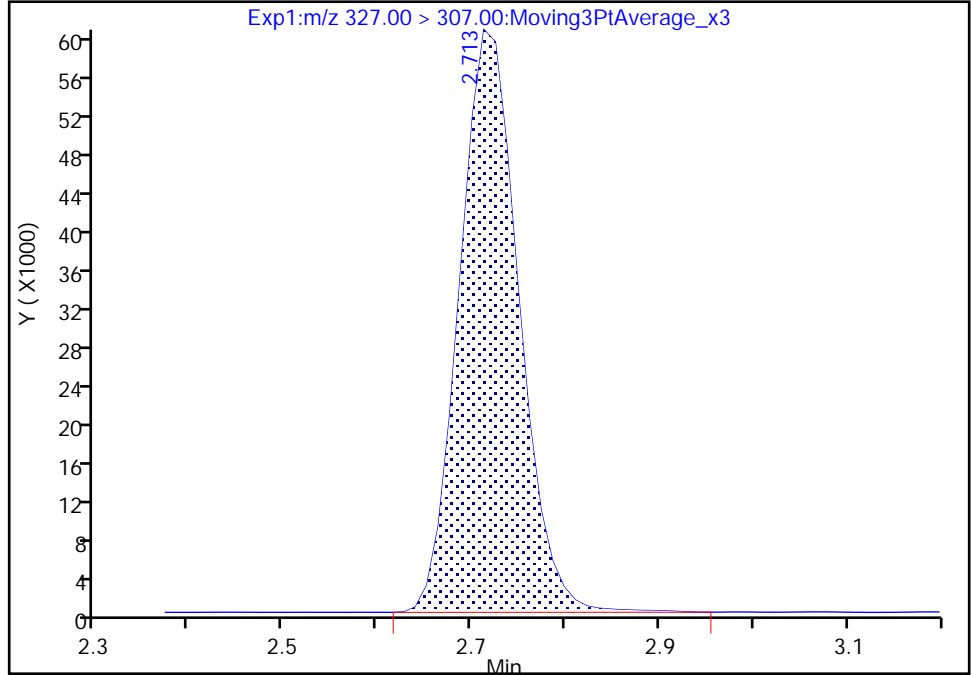
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

61 1H,1H,2H,2H-perfluorohexanesulfo, CAS: 757124-72-4

Signal: 1

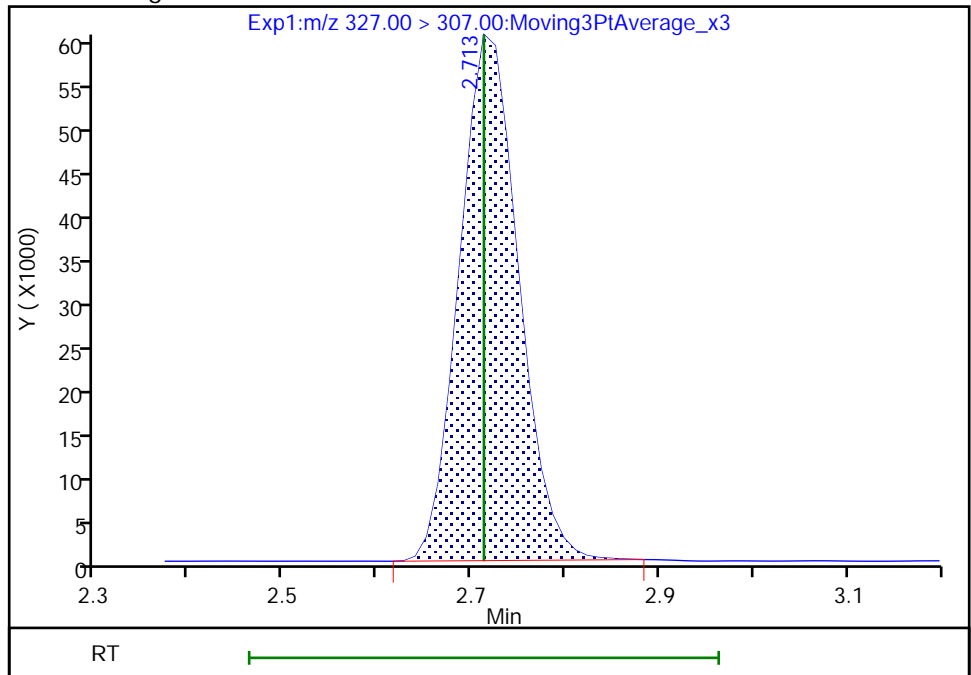
RT: 2.71
Area: 266530
Amount: 0.925627
Amount Units: ng/ml

Processing Integration Results



RT: 2.71
Area: 264719
Amount: 0.934717
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:46:17
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

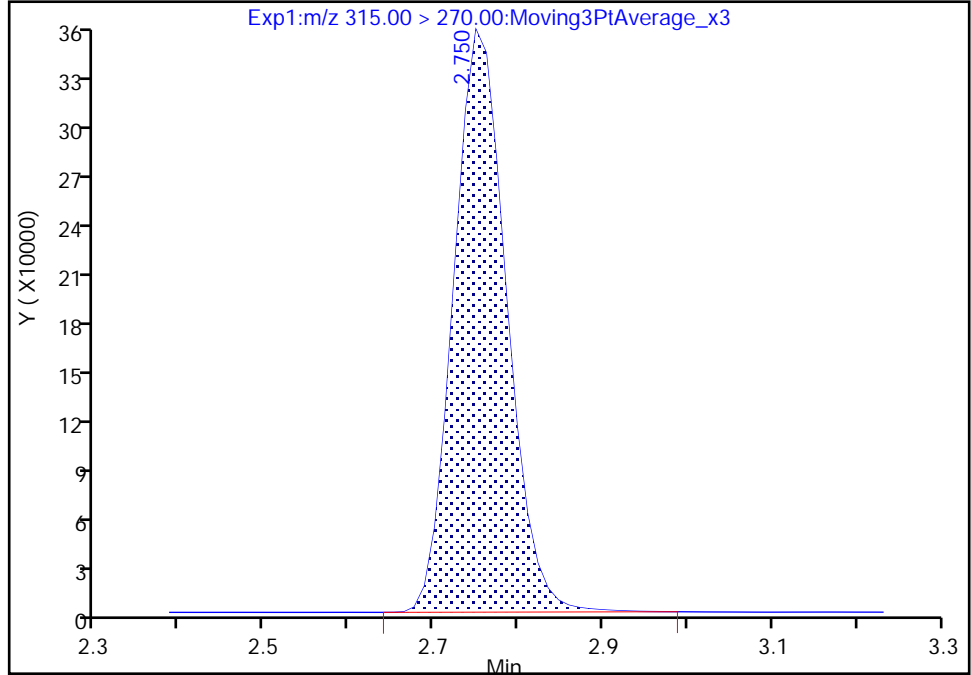
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
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 7 13C2 PFHxA, CAS: STL00993
Signal: 1

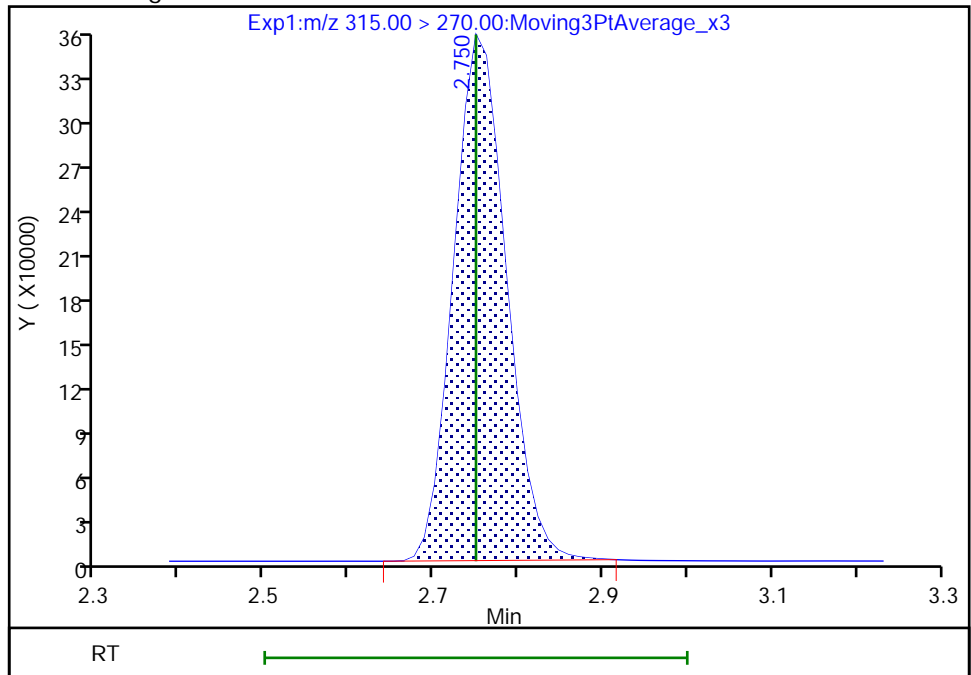
RT: 2.75
Area: 1553236
Amount: 1.282508
Amount Units: ng/ml

Processing Integration Results



RT: 2.75
Area: 1545822
Amount: 1.248254
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:46:33
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

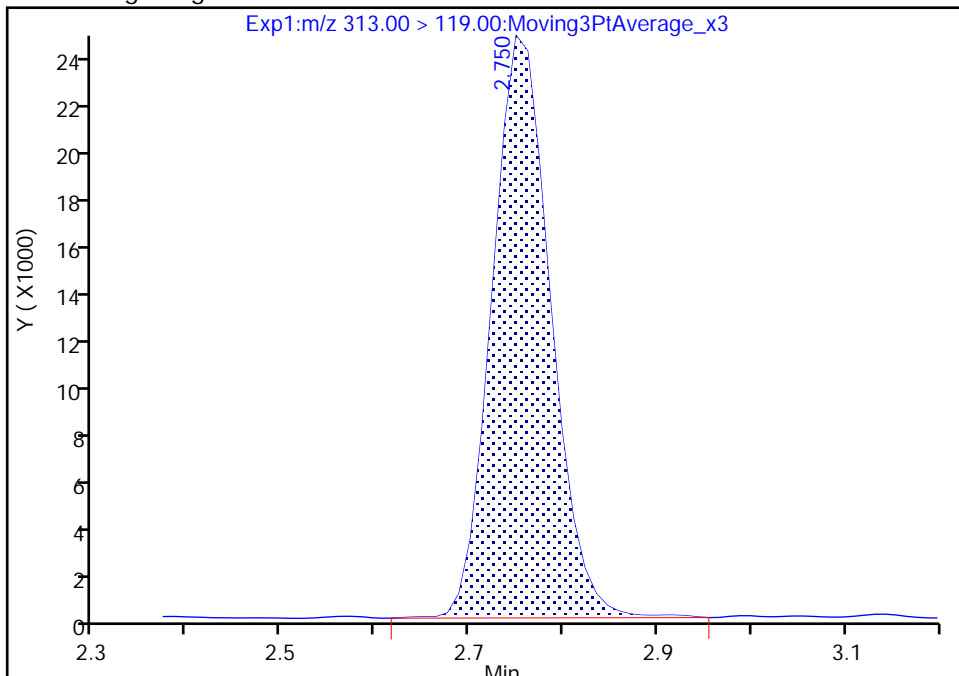
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

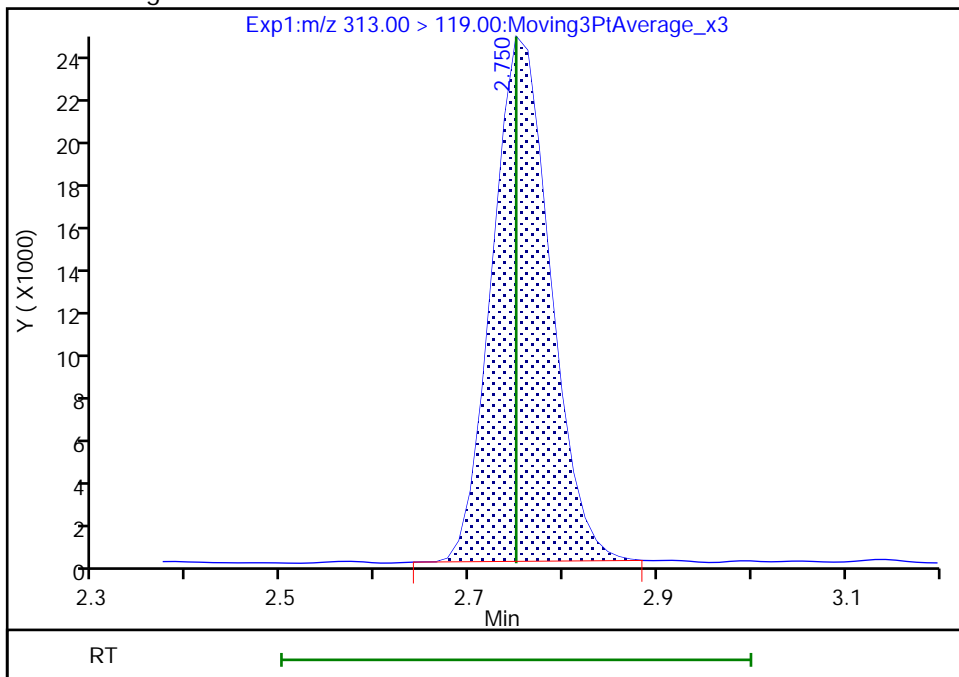
RT: 2.75
Area: 103808
Amount: 0.951516
Amount Units: ng/ml

Processing Integration Results



RT: 2.75
Area: 102444
Amount: 0.971809
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:46:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

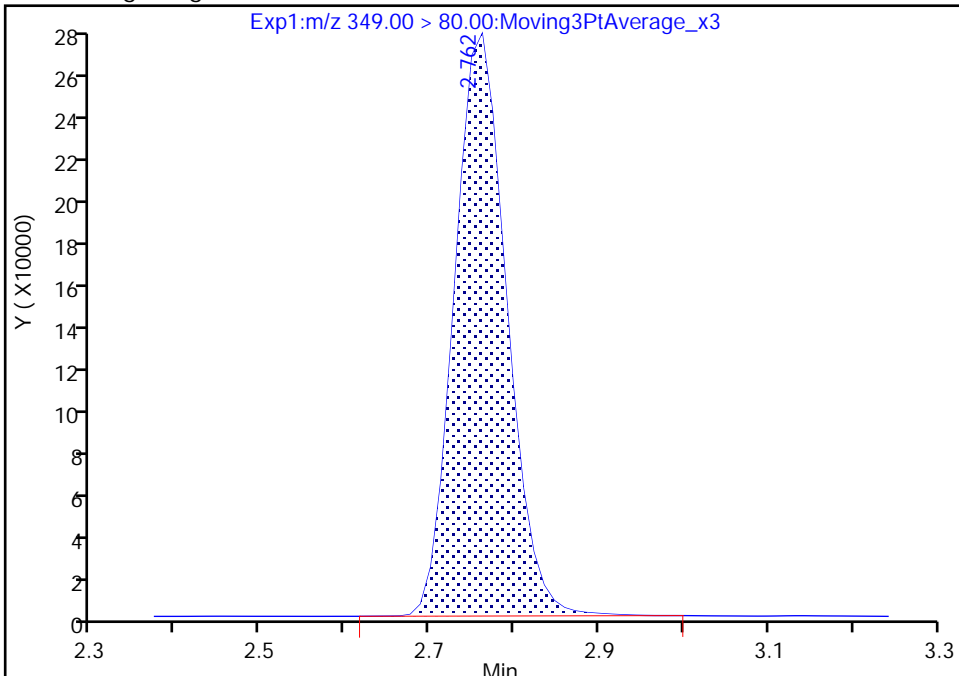
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d		
Injection Date:	03-Aug-2022 13:24:49	Instrument ID:	LC812
Lims ID:	ICIS		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	8

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

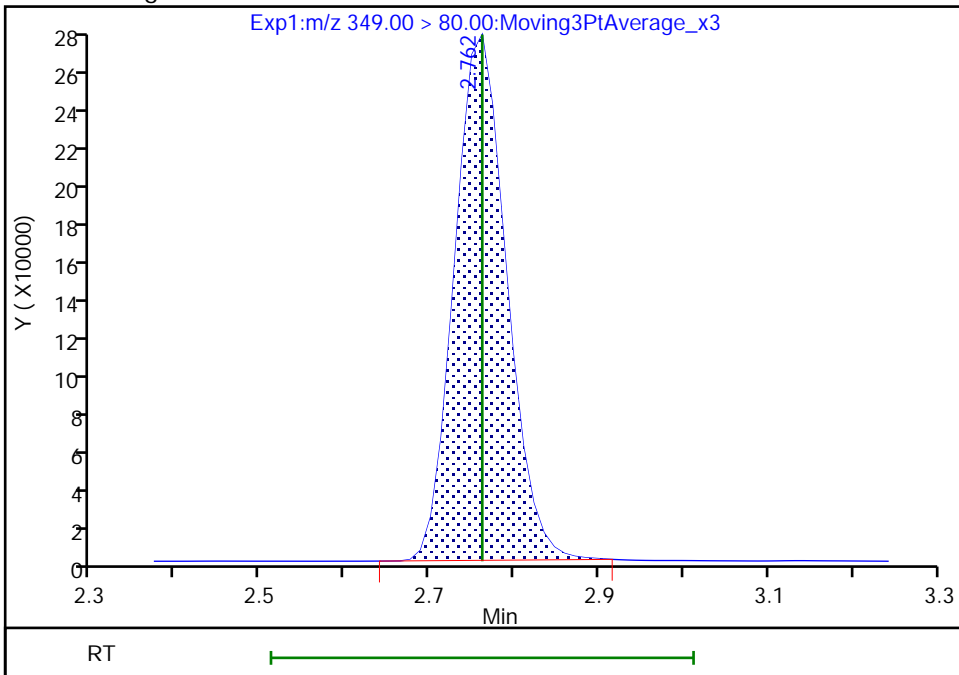
RT: 2.76
 Area: 1194607
 Amount: 0.908452
 Amount Units: ng/ml

Processing Integration Results



RT: 2.76
 Area: 1187688
 Amount: 0.902701
 Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:46:56
 Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

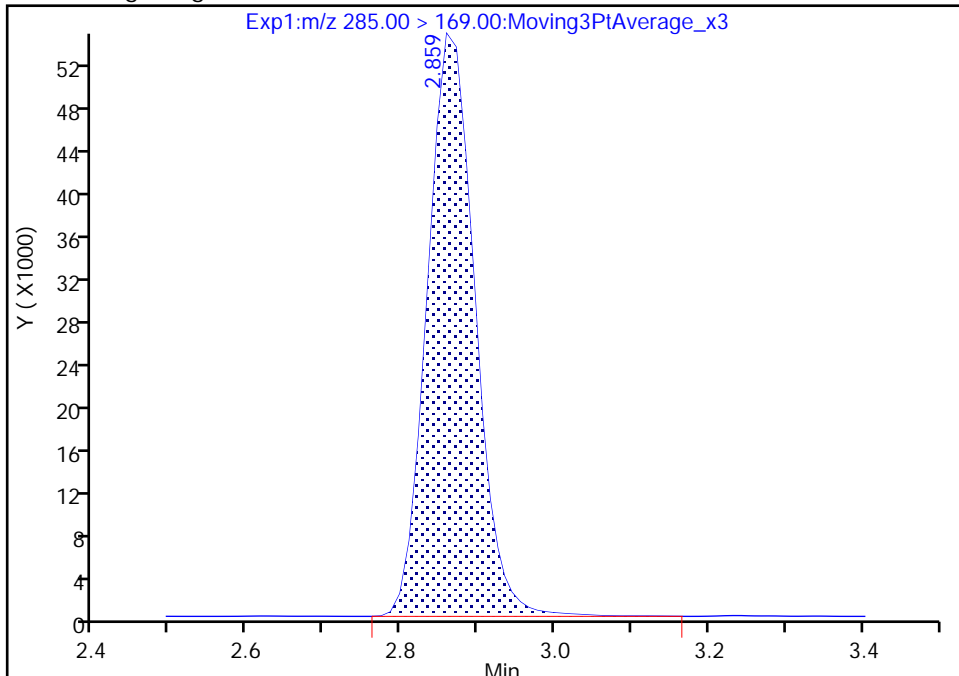
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

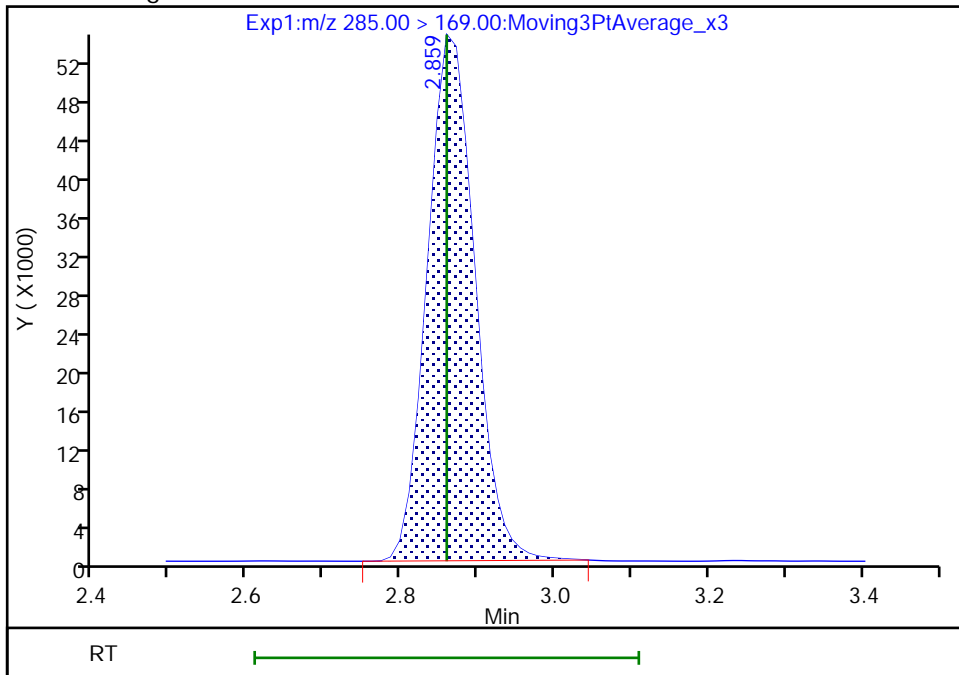
RT: 2.86
Area: 235824
Amount: 0.953853
Amount Units: ng/ml

Processing Integration Results



RT: 2.86
Area: 234481
Amount: 0.958886
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:47:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

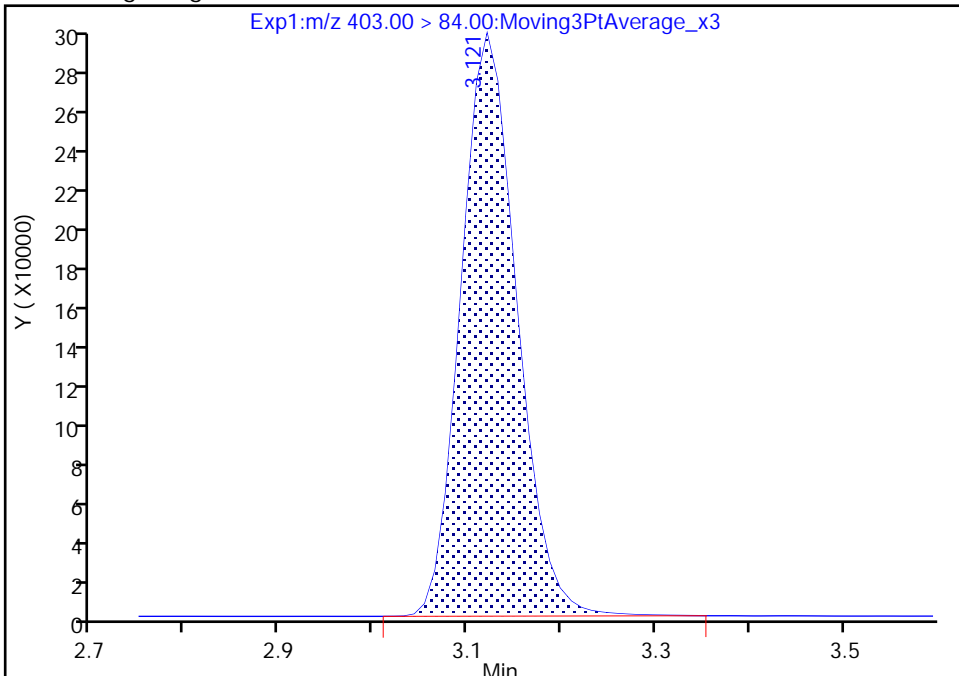
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 11 18O2 PFHxS, CAS: STL00994

Signal: 1

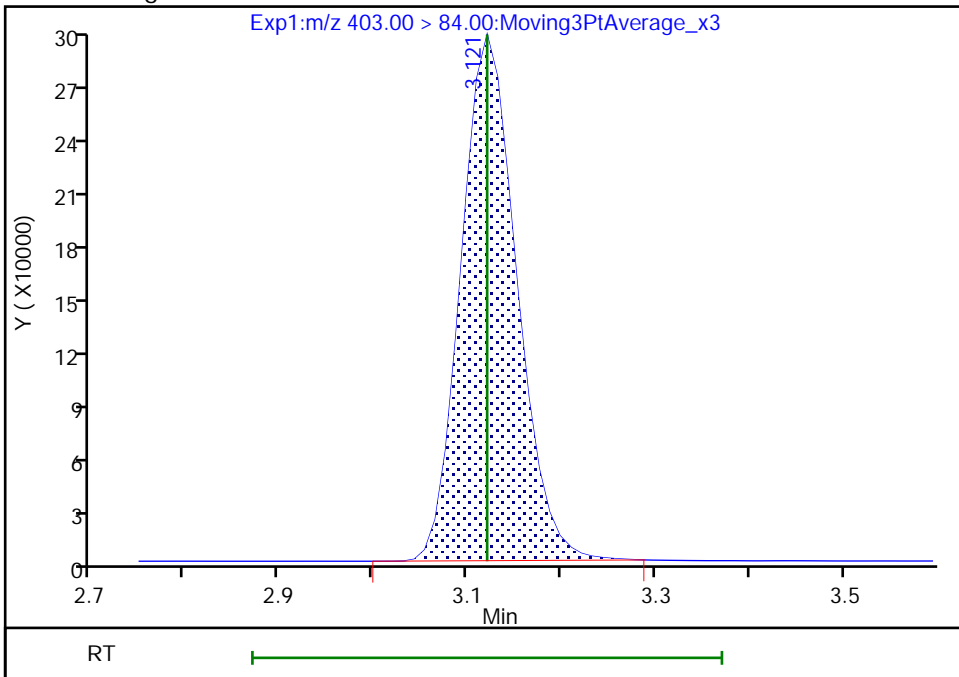
RT: 3.12
Area: 1204907
Amount: 1.095506
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 1199930
Amount: 1.188733
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:47:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

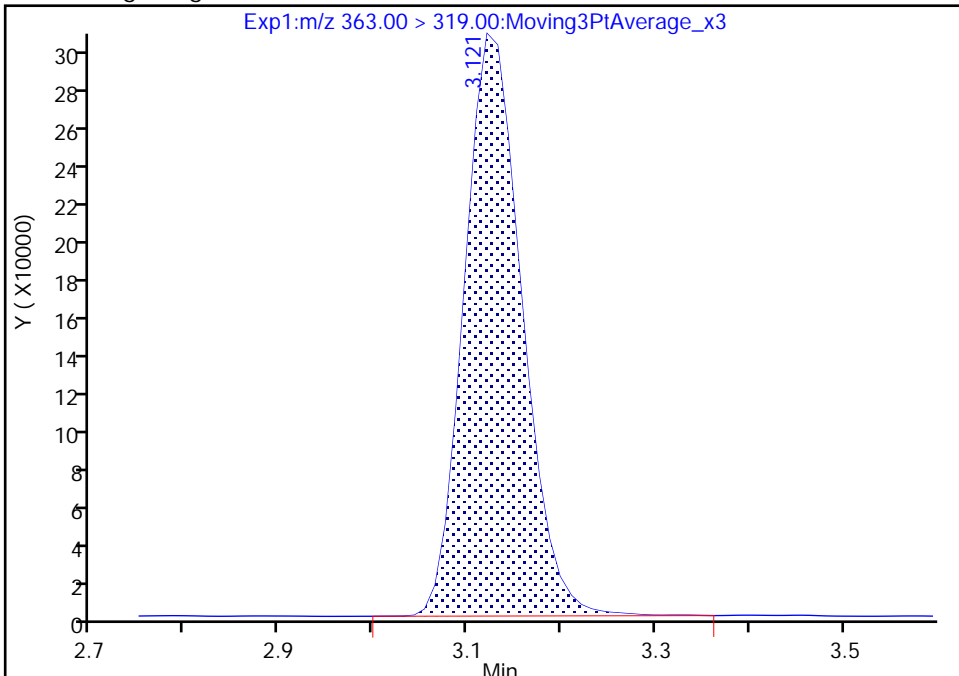
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

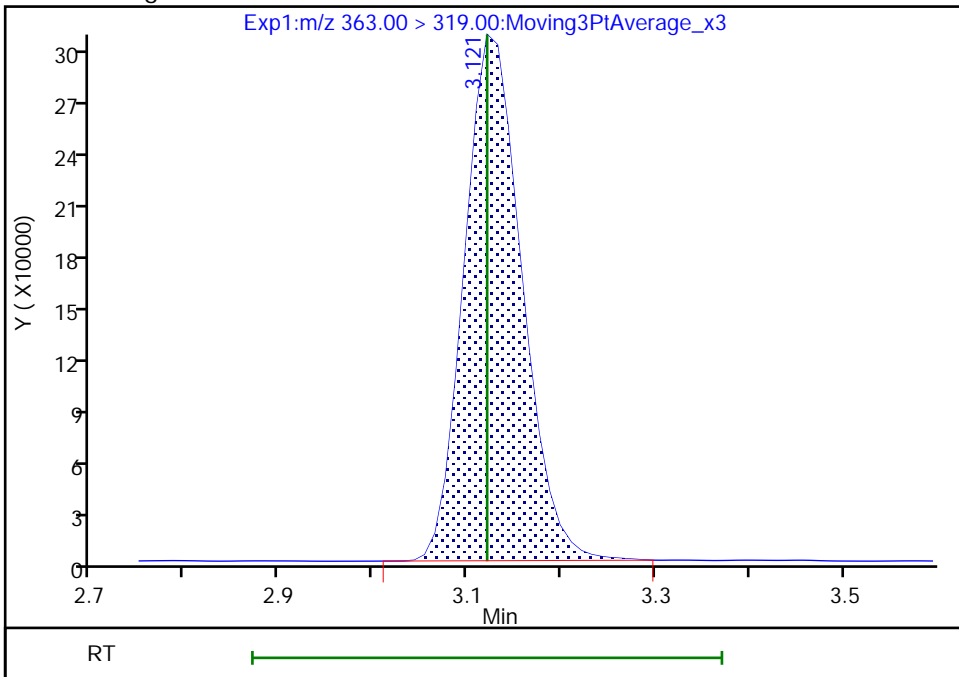
RT: 3.12
Area: 1293112
Amount: 0.991570
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 1289525
Amount: 0.987261
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

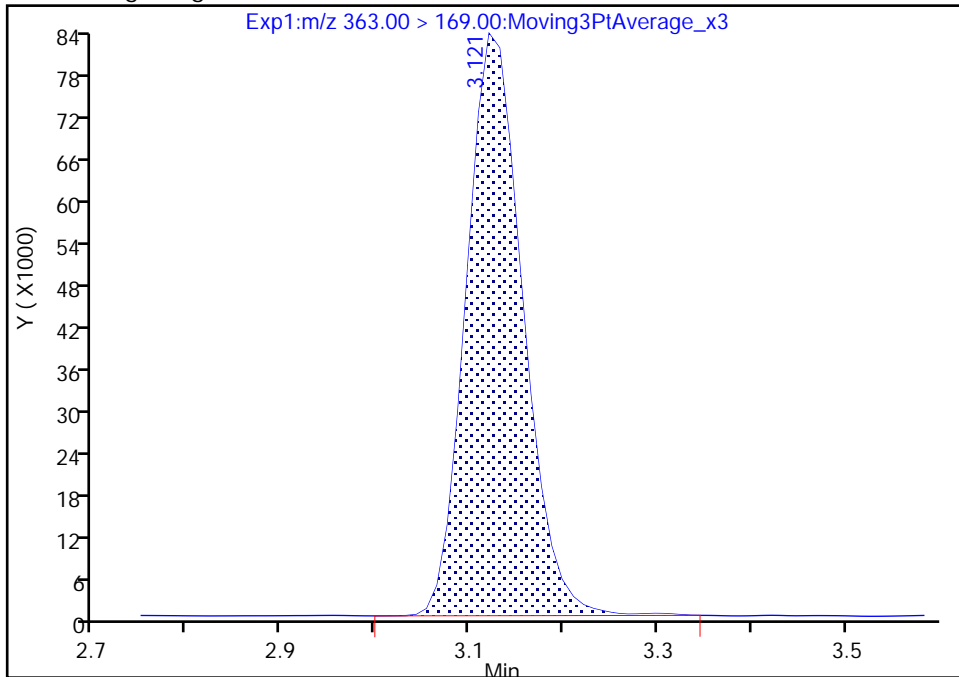
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

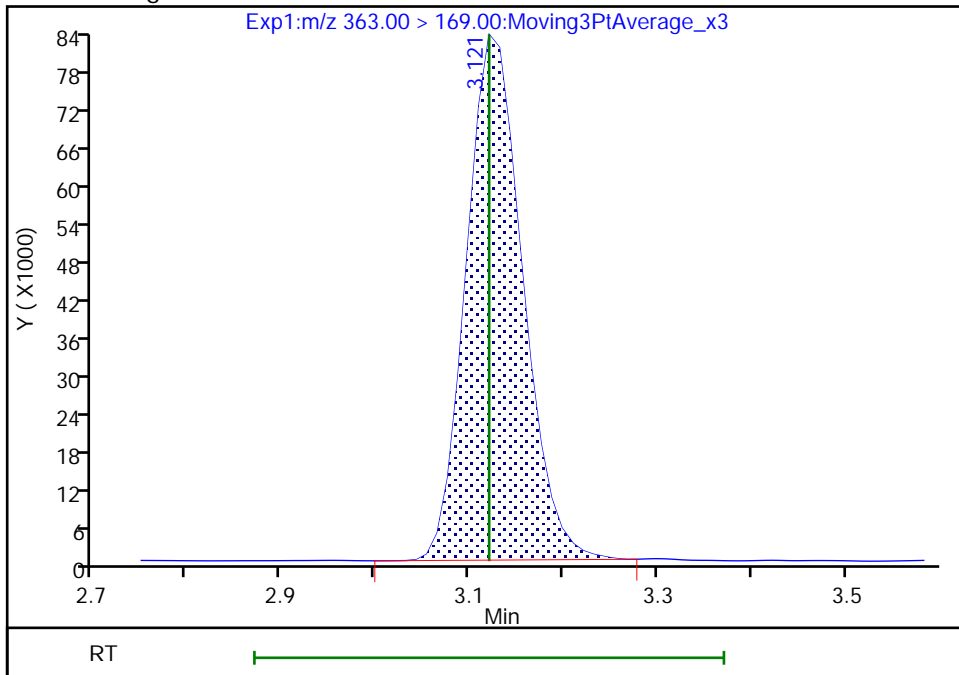
RT: 3.12
Area: 348331
Amount: 0.991570
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 346094
Amount: 0.987261
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:47:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

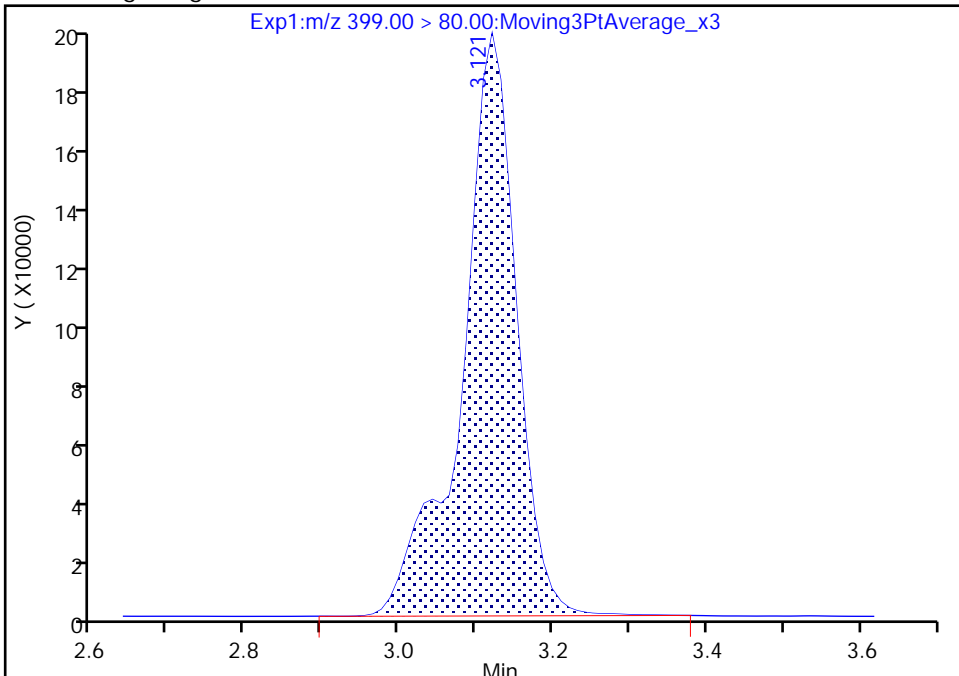
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

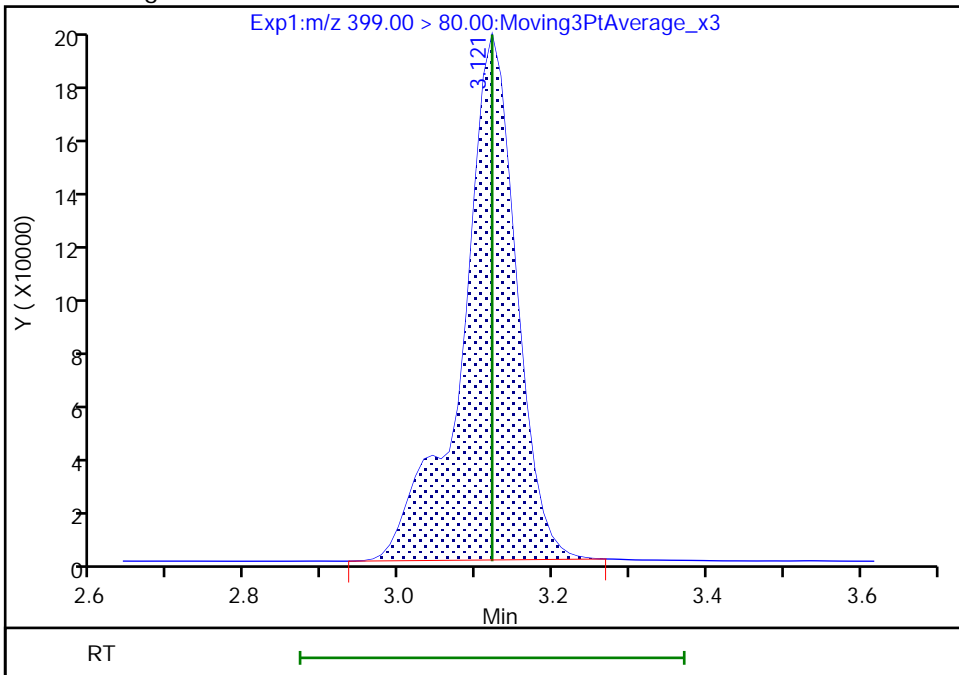
RT: 3.12
Area: 950604
Amount: 0.836981
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 943168
Amount: 0.842718
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:47:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

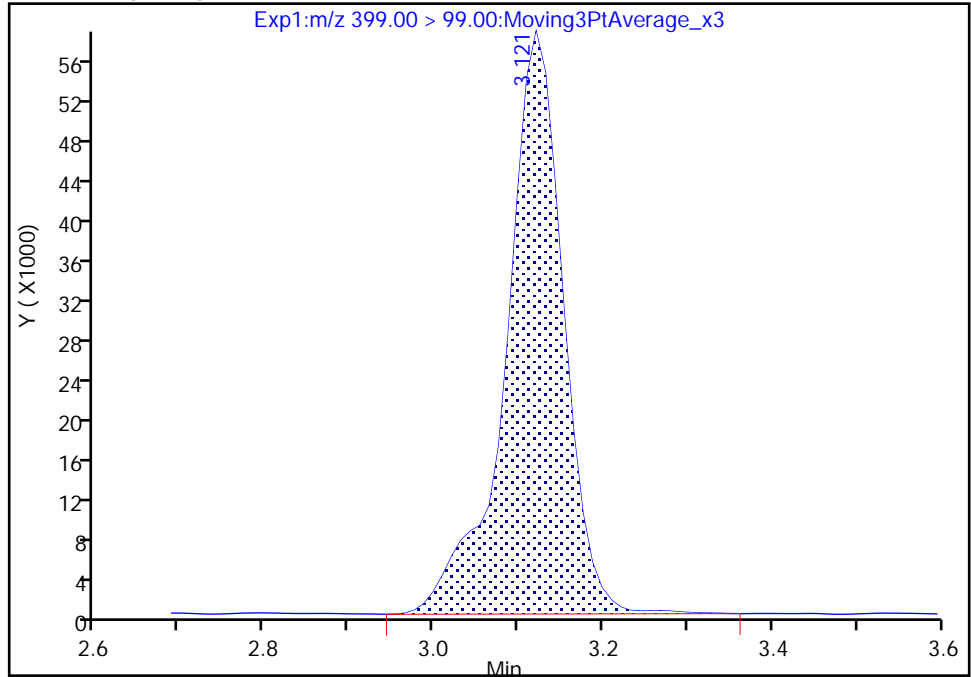
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

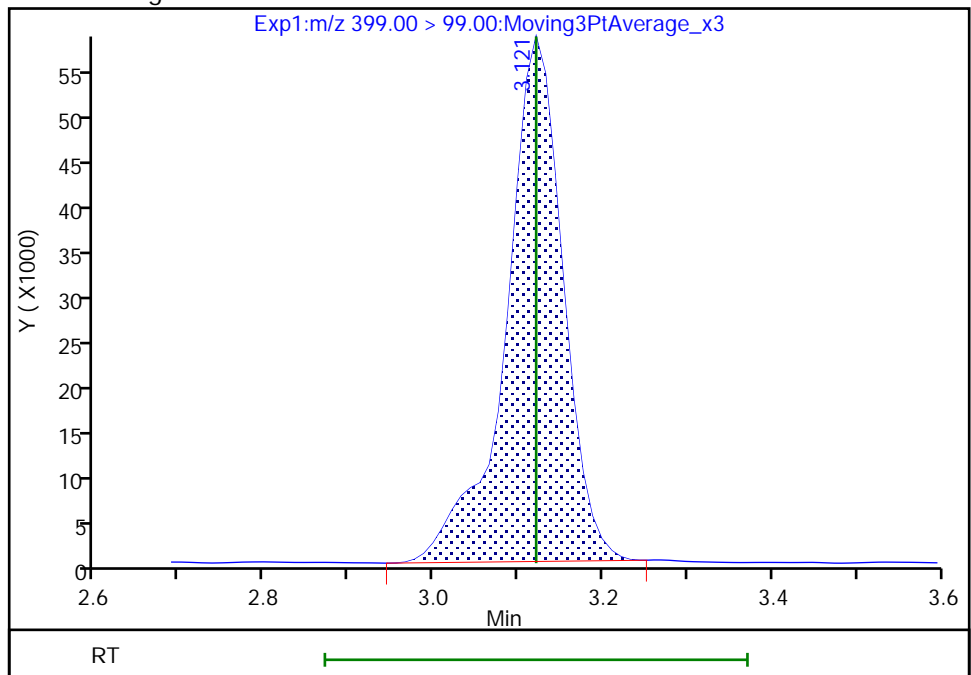
RT: 3.12
Area: 278112
Amount: 0.836981
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 274604
Amount: 0.842718
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:47:09

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

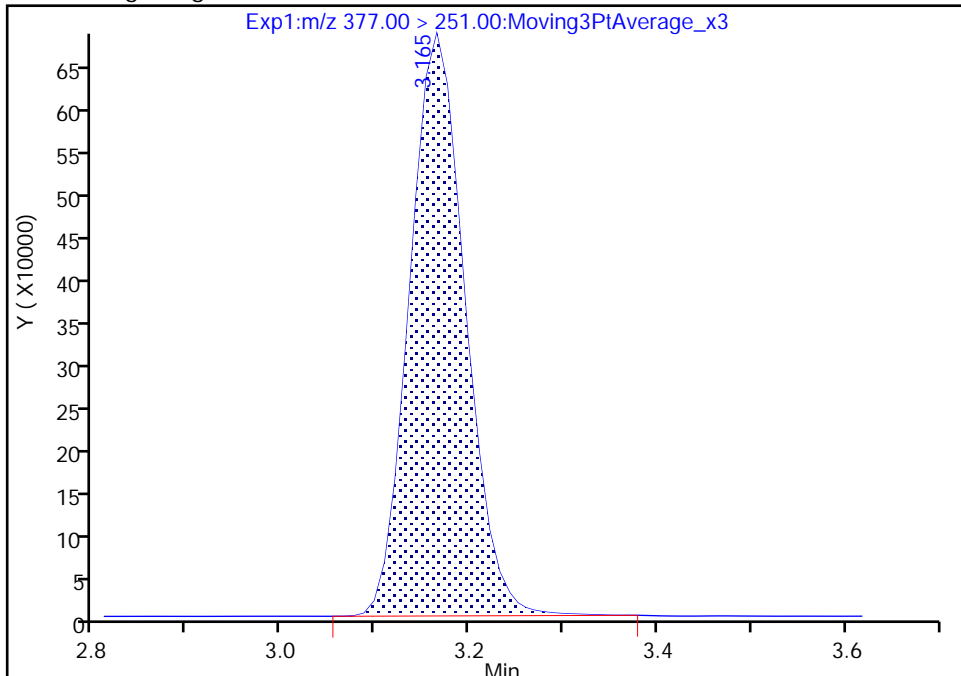
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 1

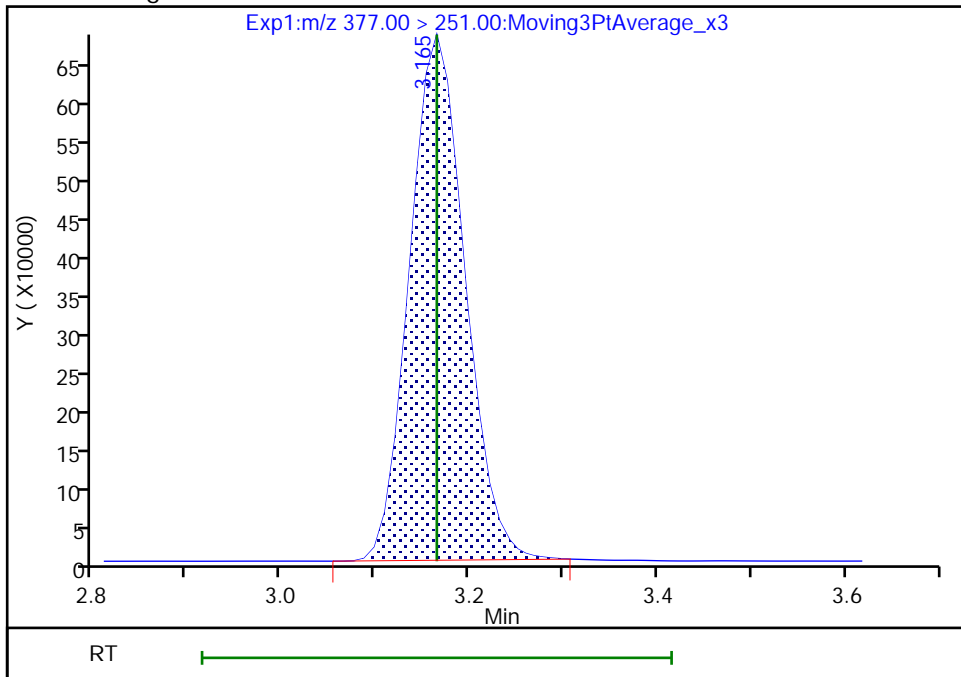
RT: 3.17
Area: 2829441
Amount: 0.996866
Amount Units: ng/ml

Processing Integration Results



RT: 3.17
Area: 2813092
Amount: 0.941062
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:47:34
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

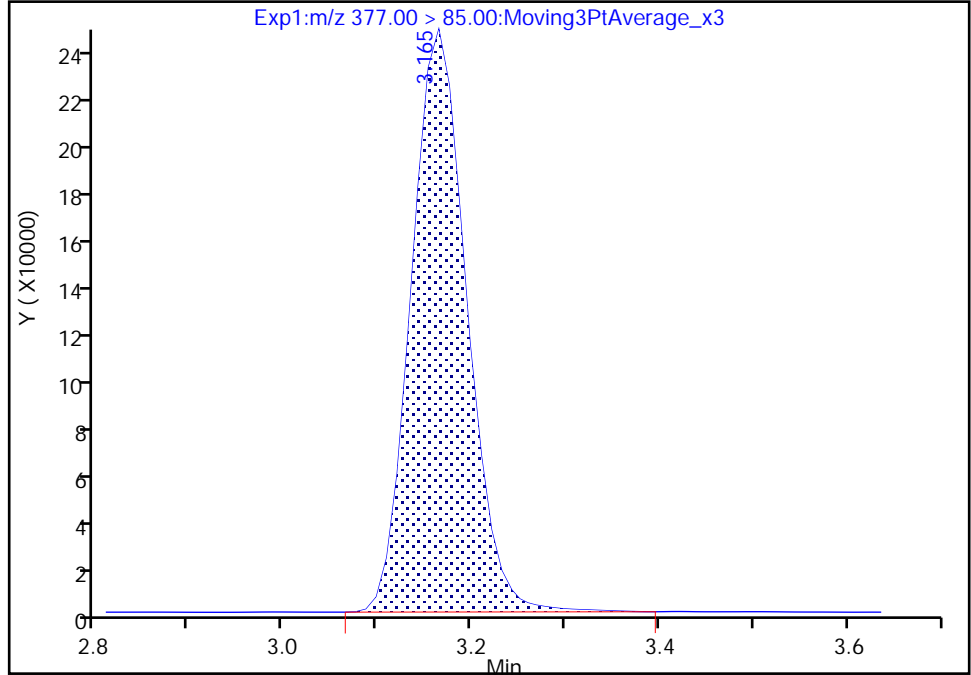
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d		
Injection Date:	03-Aug-2022 13:24:49	Instrument ID:	LC812
Lims ID:	ICIS		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	5 Worklist Smp#: 8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1

77 DONA, CAS: 919005-14-4

Signal: 2

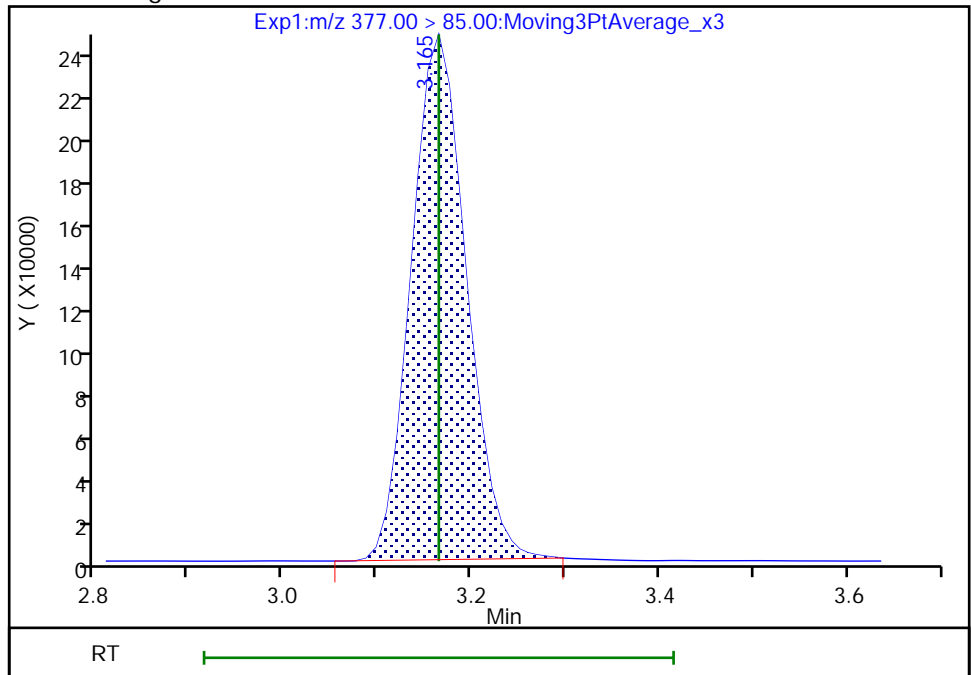
RT: 3.17
 Area: 1004059
 Amount: 0.996866
 Amount Units: ng/ml

Processing Integration Results



RT: 3.17
 Area: 991616
 Amount: 0.941062
 Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:47:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

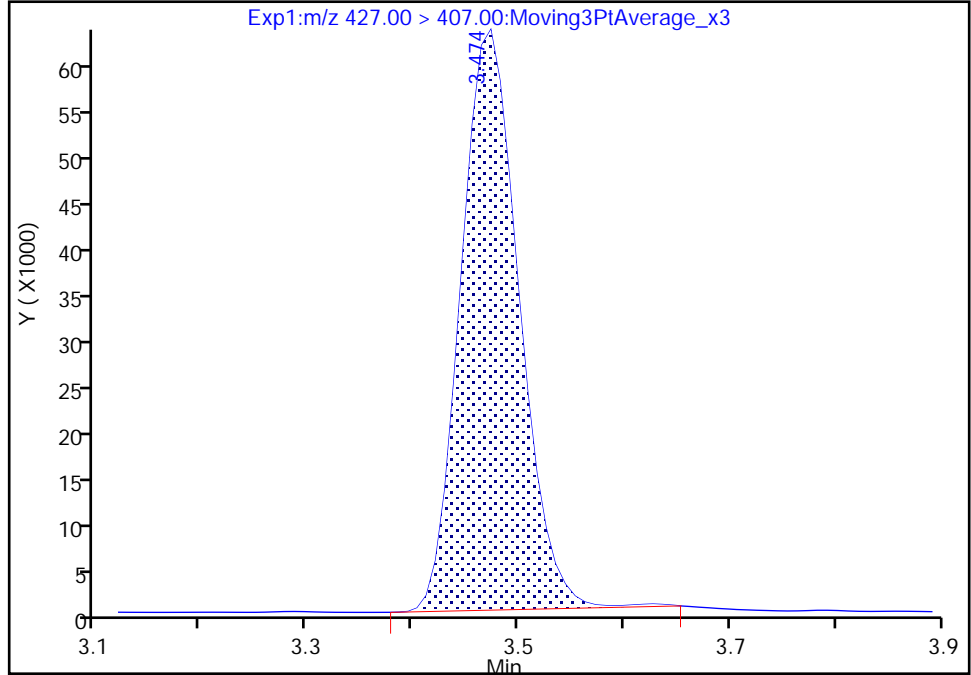
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

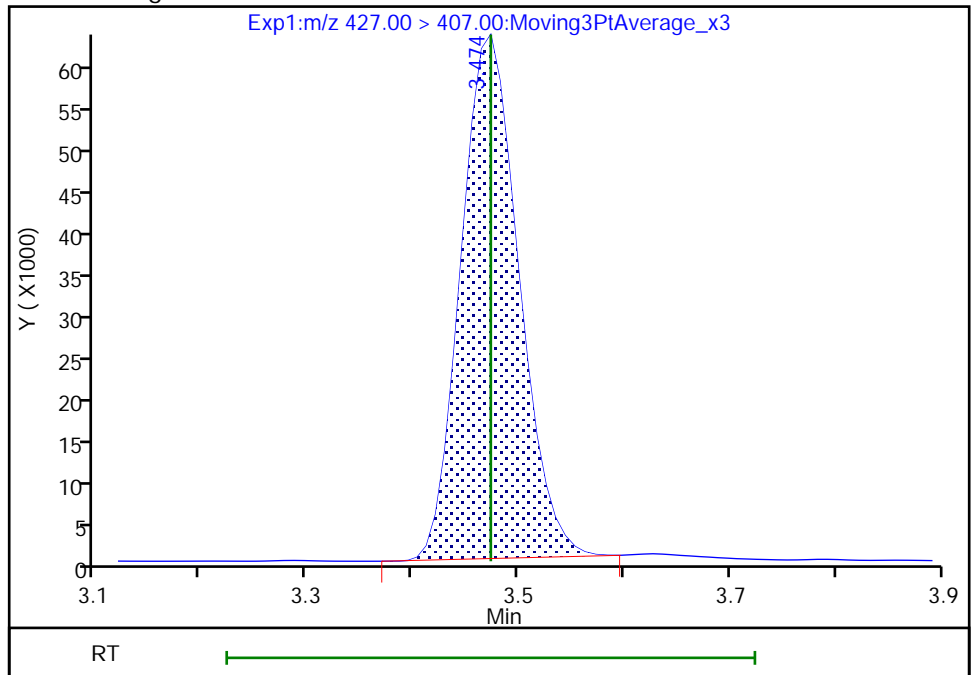
RT: 3.47
Area: 240740
Amount: 0.906039
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 238899
Amount: 0.941783
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:47:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

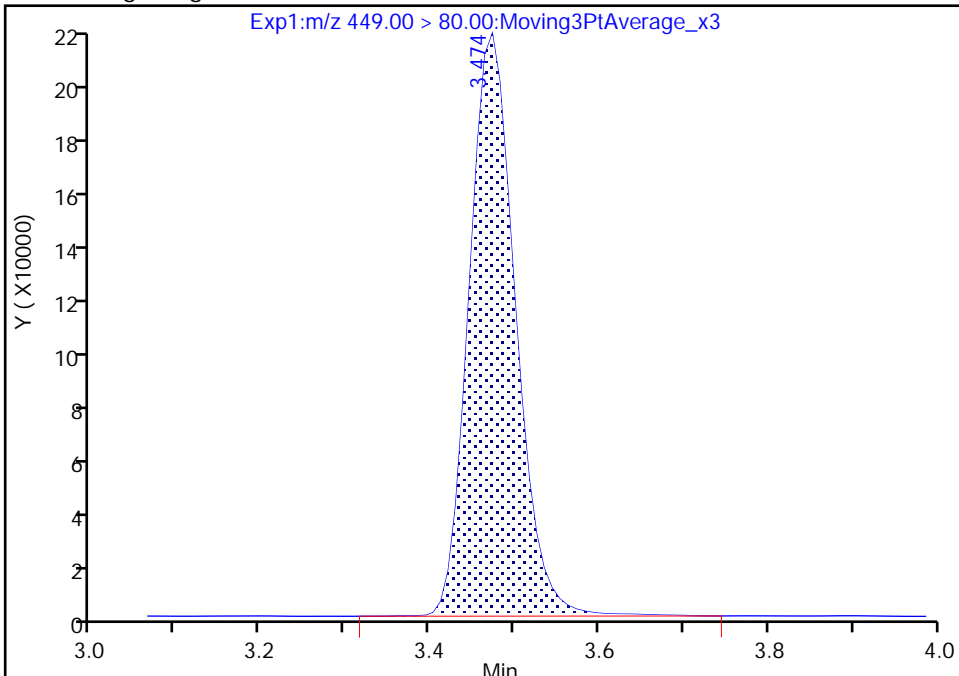
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

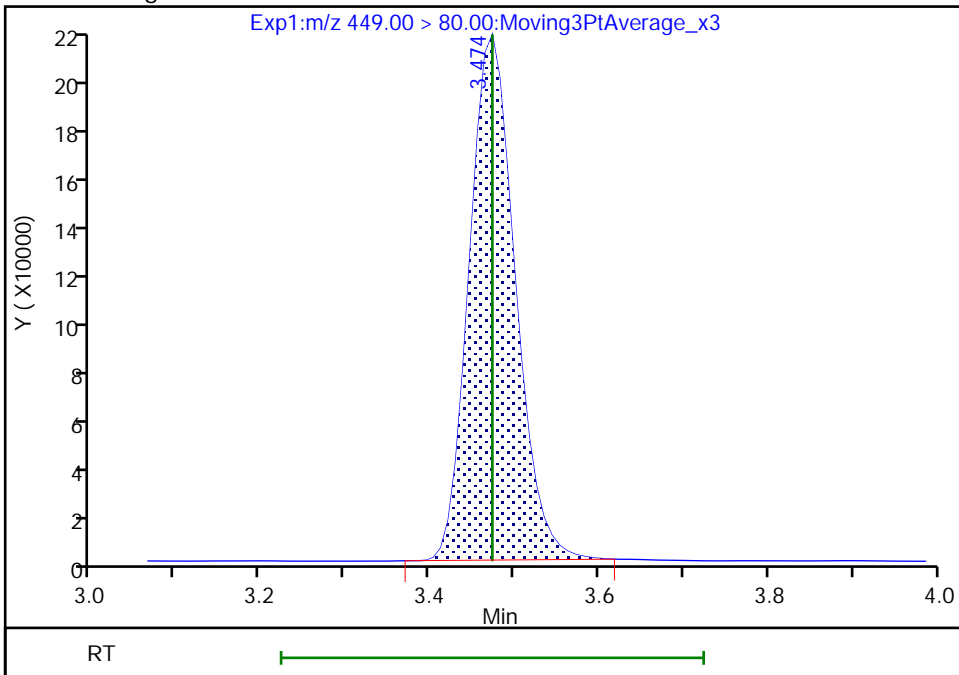
RT: 3.47
Area: 831292
Amount: 0.919262
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 822025
Amount: 0.916355
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

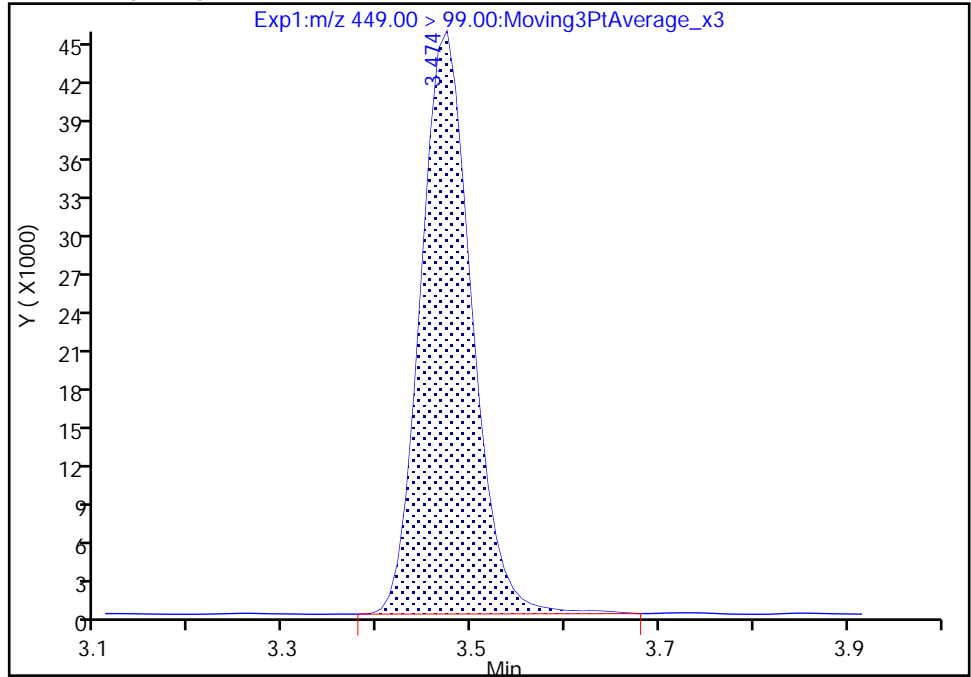
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

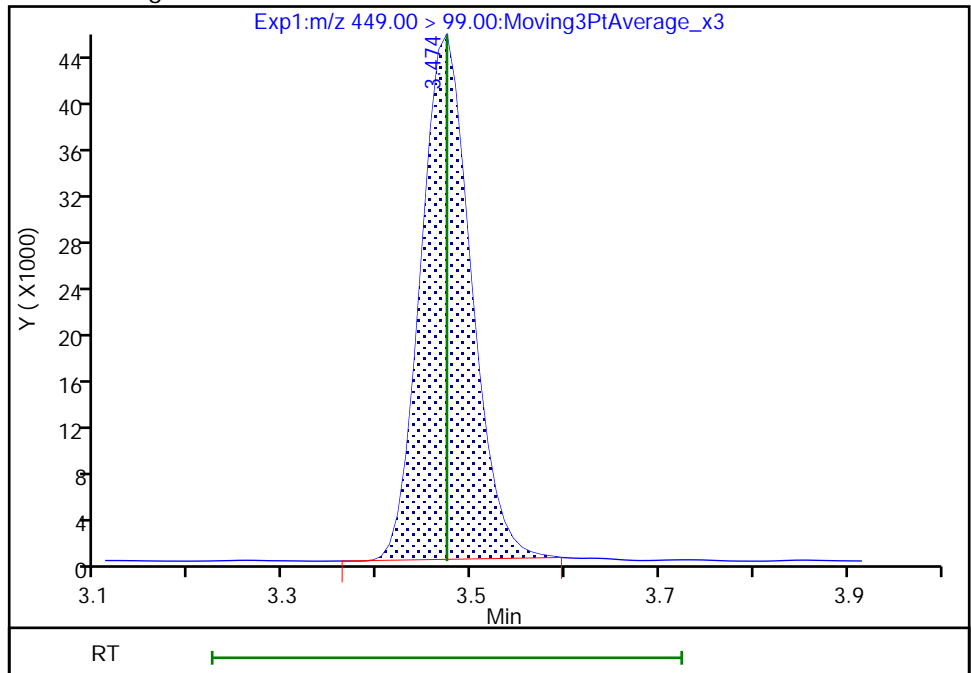
RT: 3.47
Area: 170957
Amount: 0.919262
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 168205
Amount: 0.916355
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:47:50

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

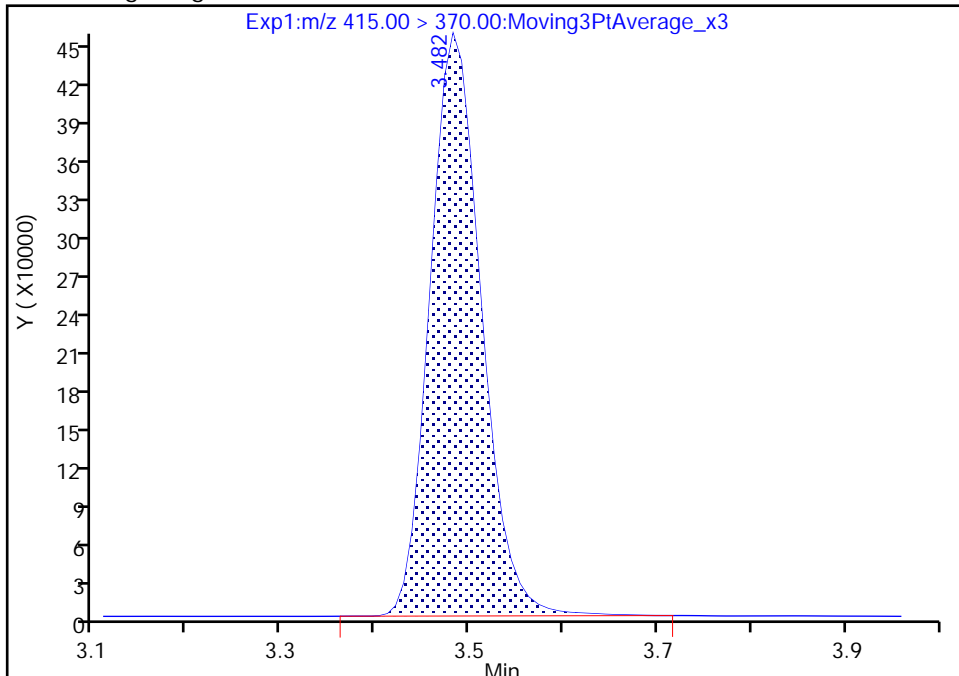
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

* 62 13C2 PFOA, CAS: STL00623

Signal: 1

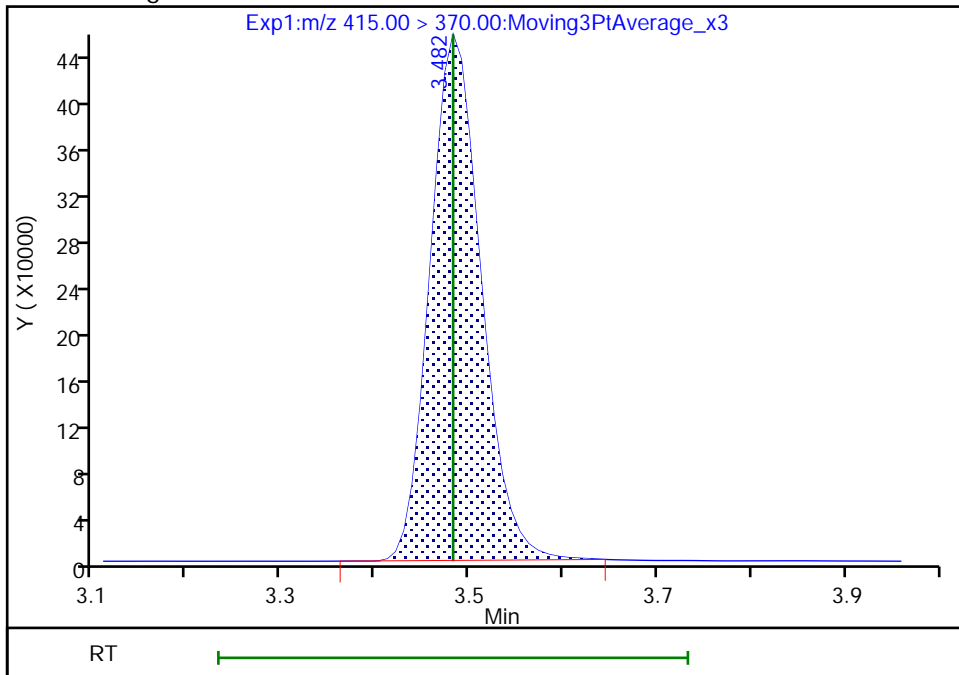
RT: 3.48
Area: 1737509
Amount: 1.250000
Amount Units: ng/ml

Processing Integration Results



RT: 3.48
Area: 1727269
Amount: 1.250000
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:48:01
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

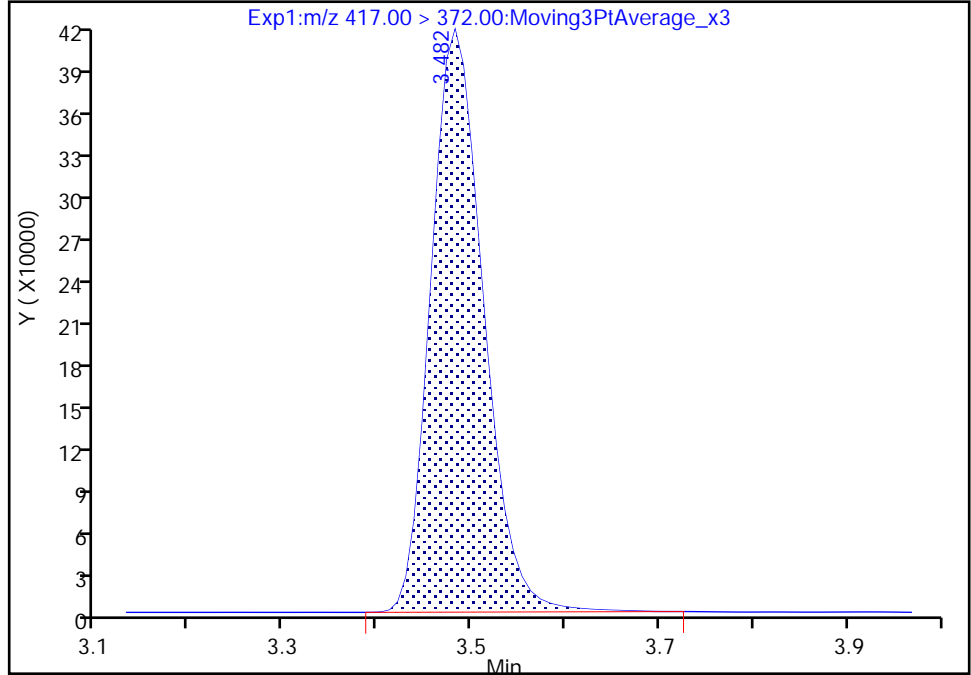
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
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 14 13C4 PFOA, CAS: STL00990
Signal: 1

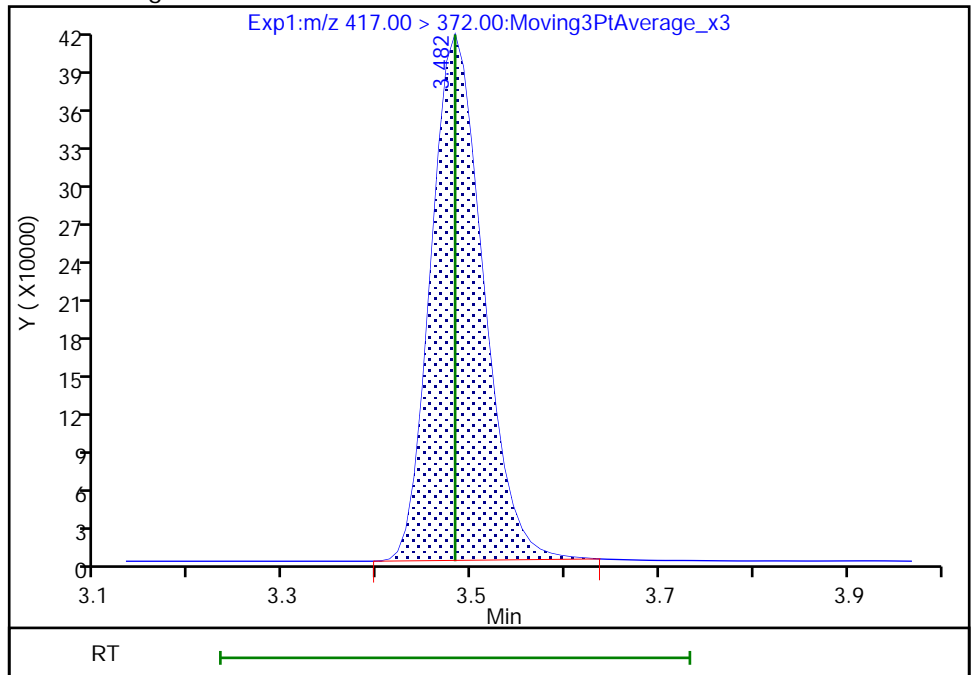
RT: 3.48
Area: 1626515
Amount: 1.238112
Amount Units: ng/ml

Processing Integration Results



RT: 3.48
Area: 1613787
Amount: 1.226077
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

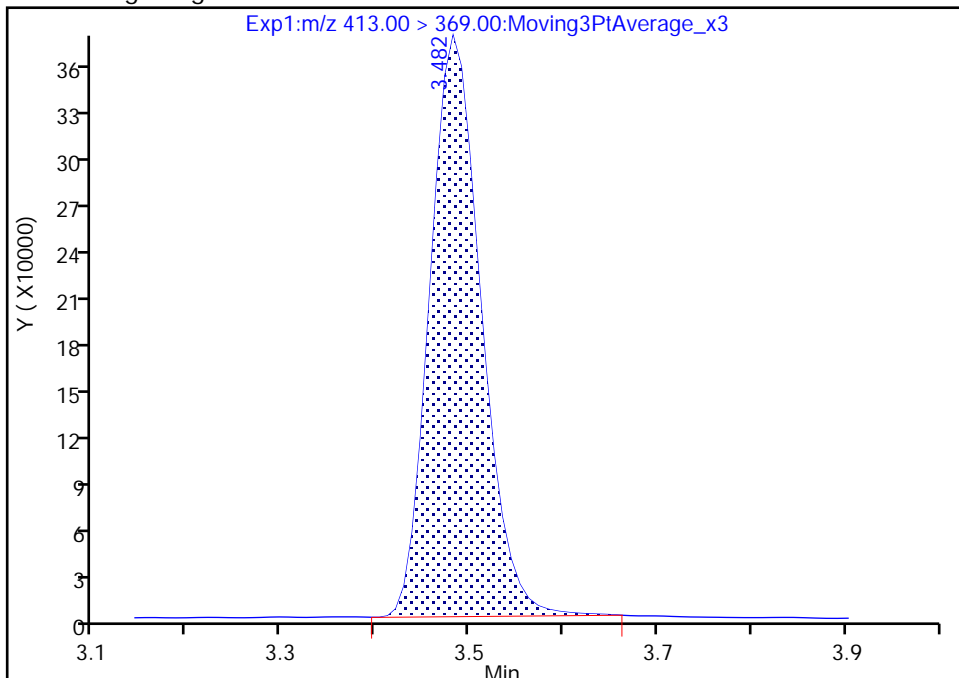
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

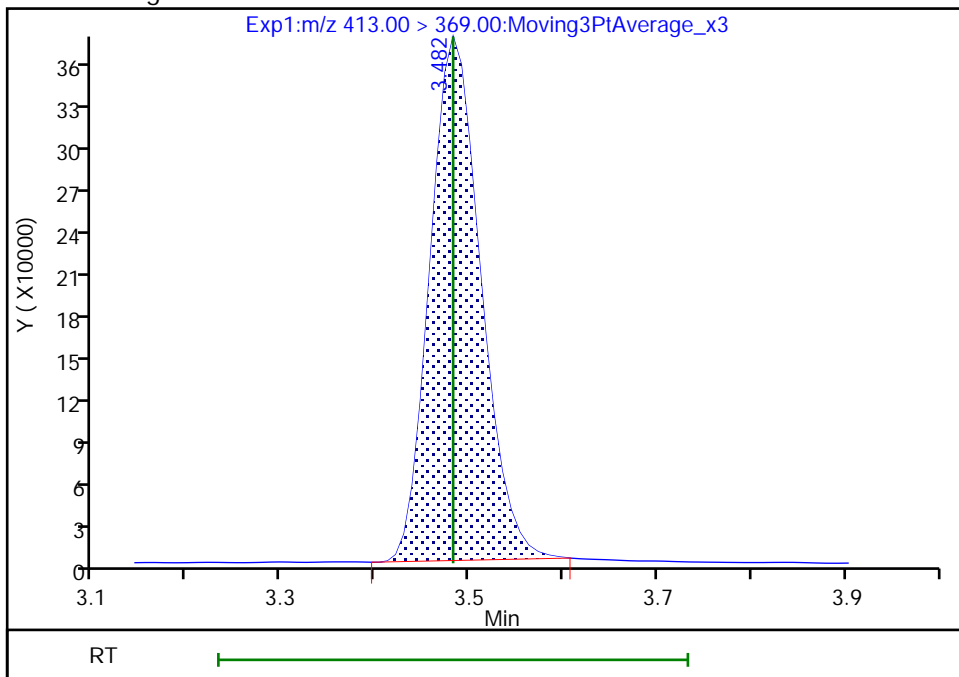
RT: 3.48
Area: 1424061
Amount: 0.971907
Amount Units: ng/ml

Processing Integration Results



RT: 3.48
Area: 1407860
Amount: 0.972441
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:48:13
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

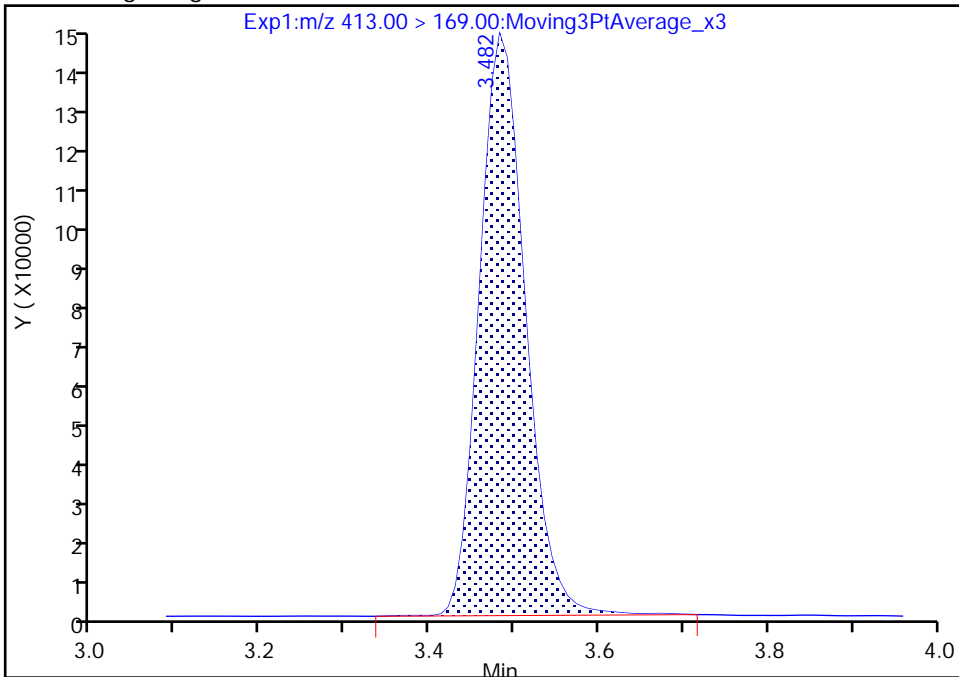
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

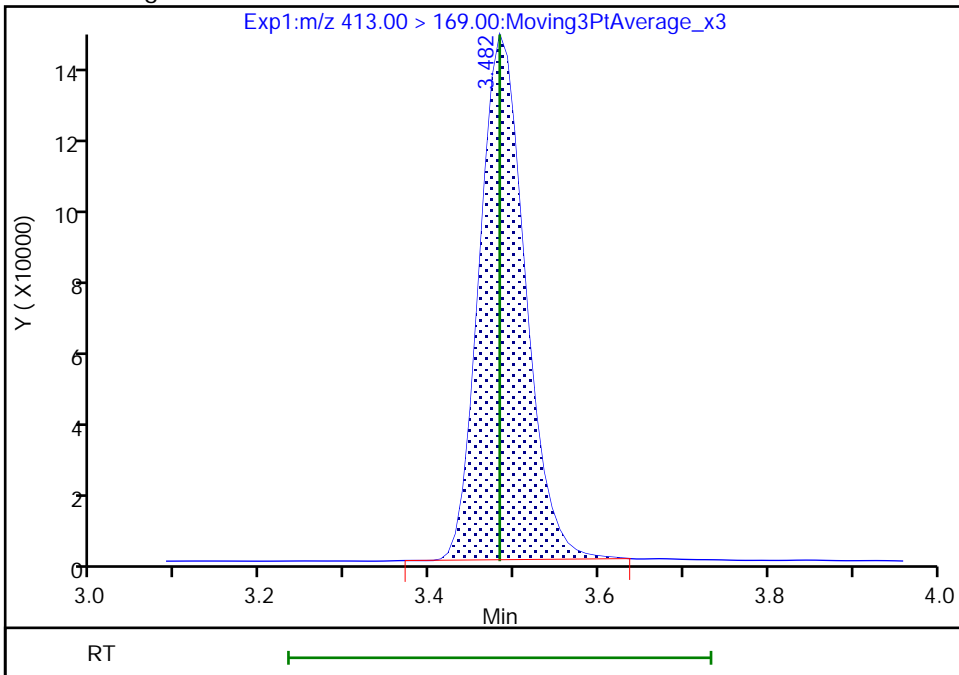
RT: 3.48
Area: 531711
Amount: 0.971907
Amount Units: ng/ml

Processing Integration Results



RT: 3.48
Area: 526635
Amount: 0.972441
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:48:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

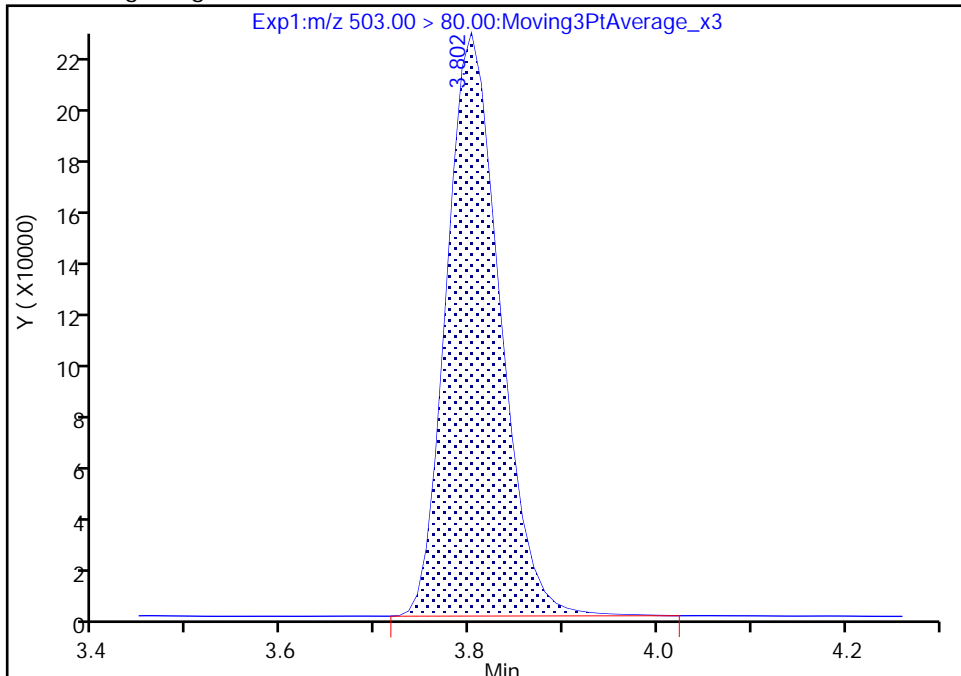
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 18 13C4 PFOS, CAS: STL00991

Signal: 1

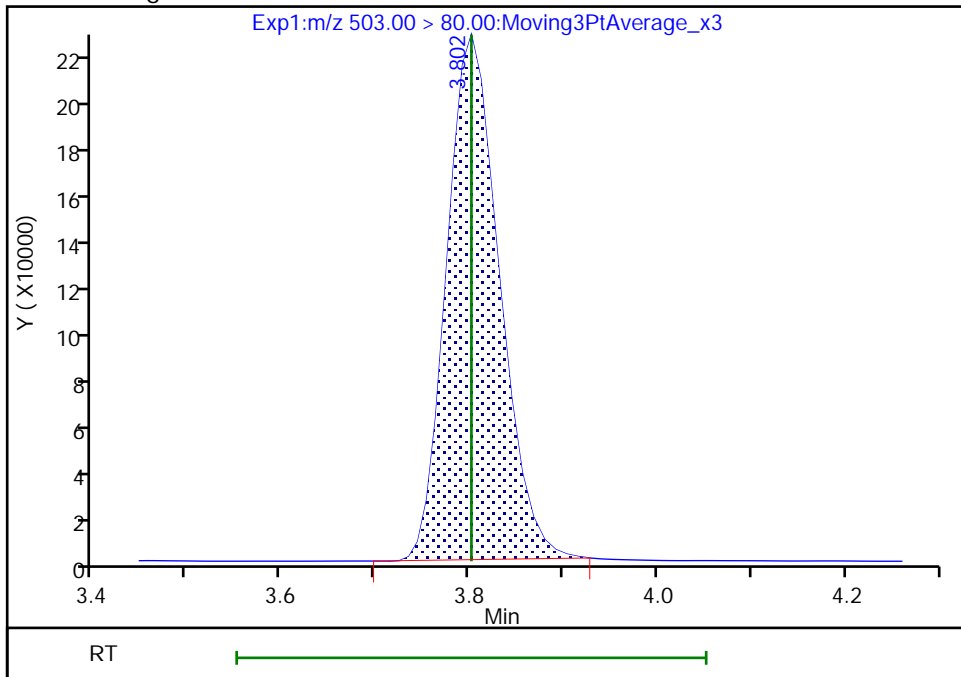
RT: 3.80
Area: 877992
Amount: 1.046293
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 867294
Amount: 1.150672
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:48:23
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

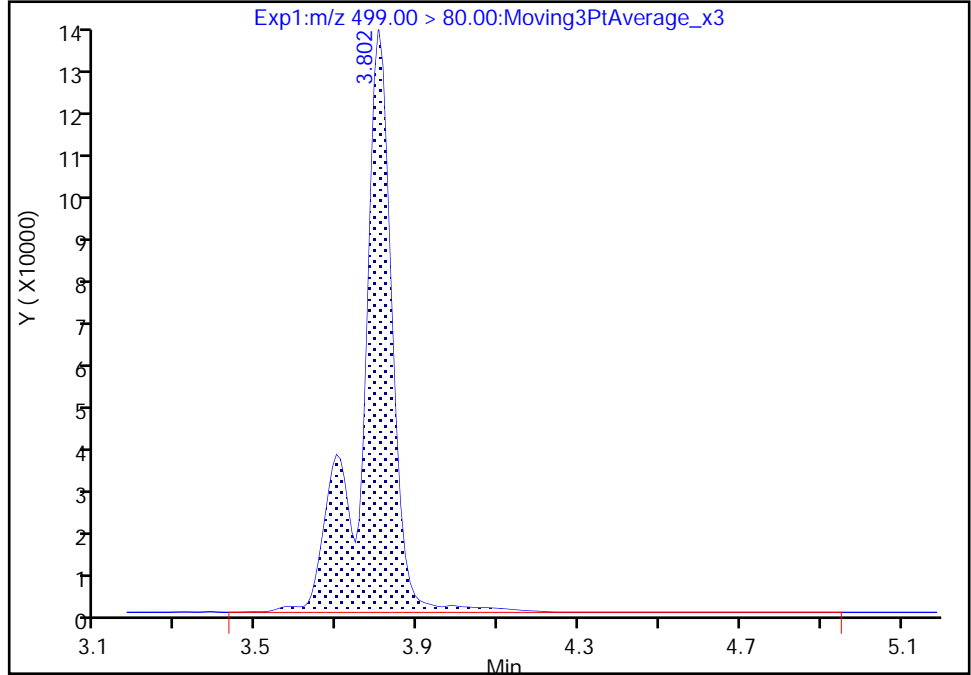
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

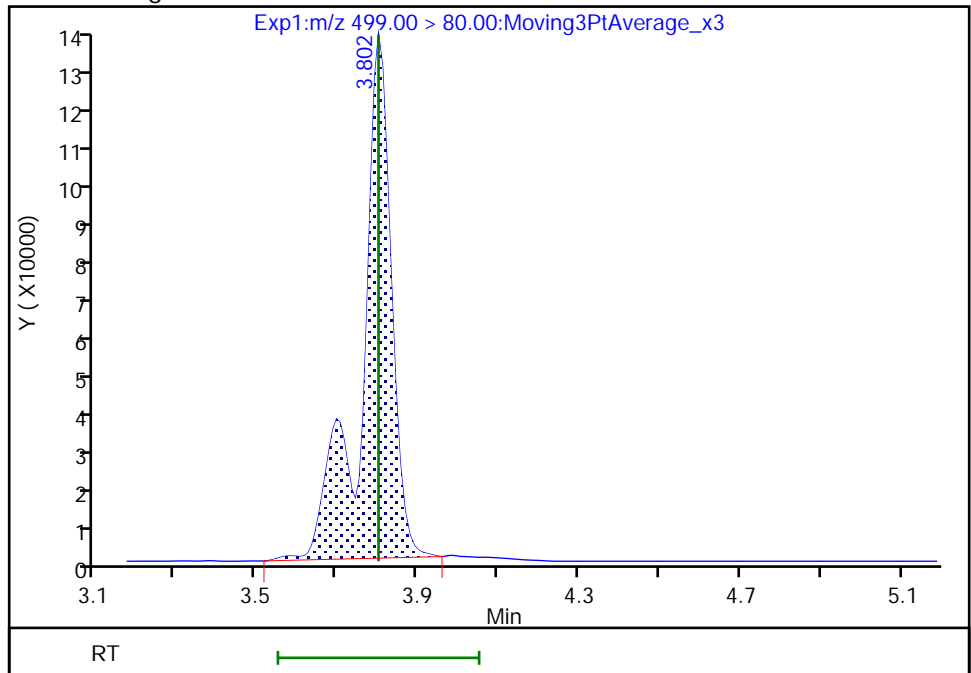
RT: 3.80
Area: 712901
Amount: 0.877996
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 683046
Amount: 0.927442
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:48:28
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

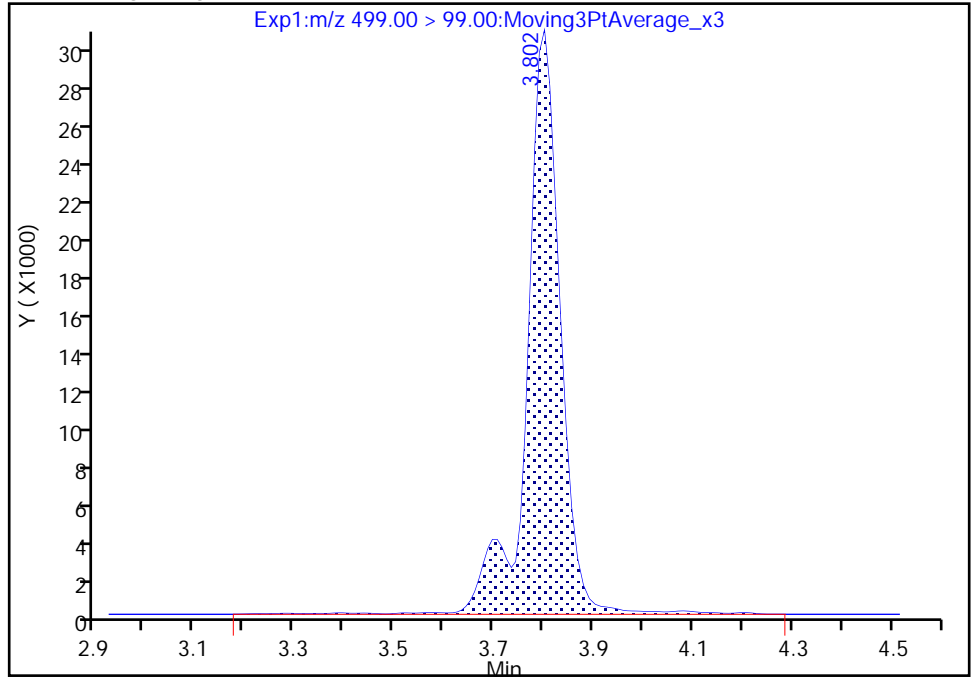
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

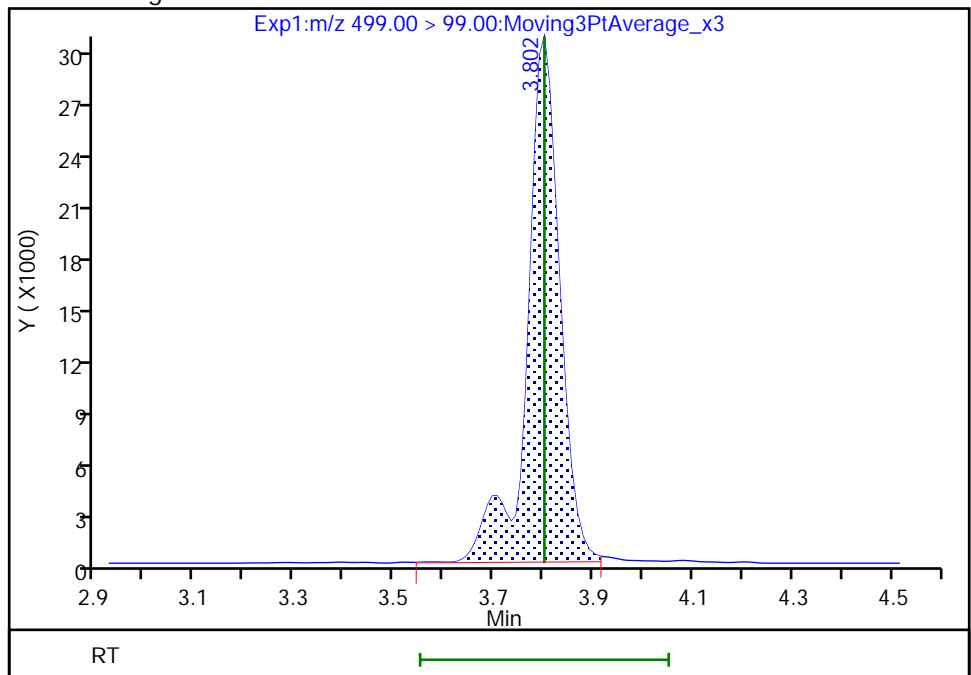
RT: 3.80
Area: 144270
Amount: 0.877996
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 139901
Amount: 0.927442
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:48:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

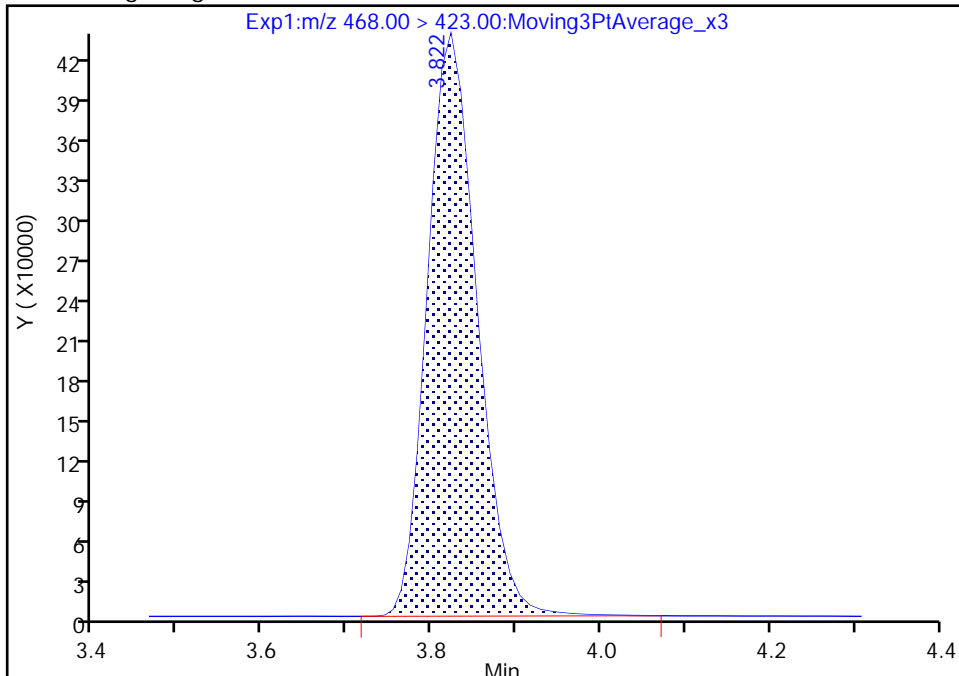
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

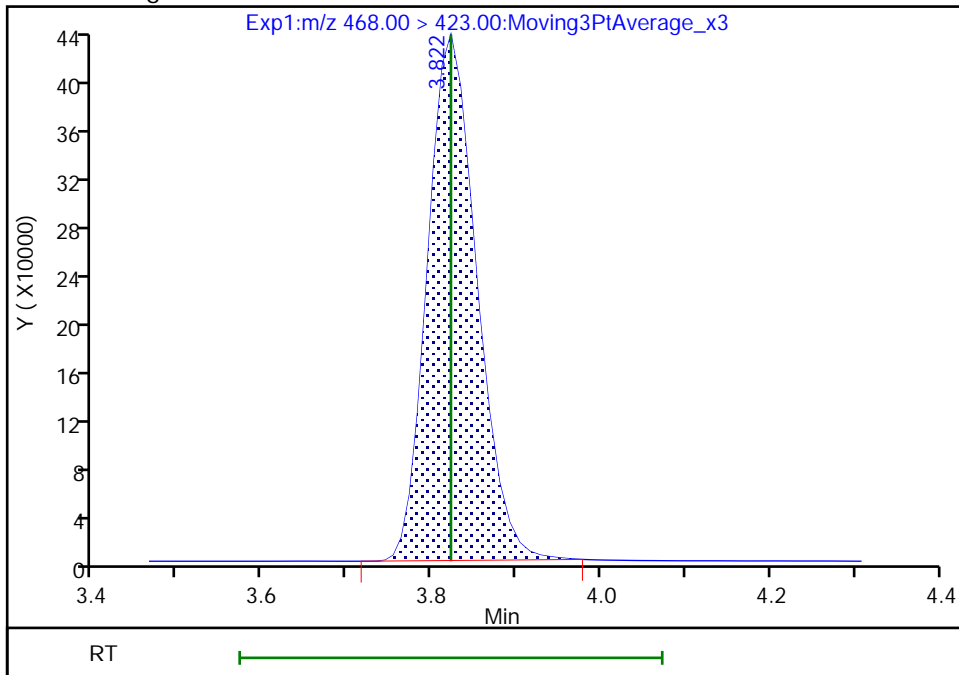
RT: 3.82
Area: 1754240
Amount: 1.262437
Amount Units: ng/ml

Processing Integration Results



RT: 3.82
Area: 1743026
Amount: 1.275568
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:48:51
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

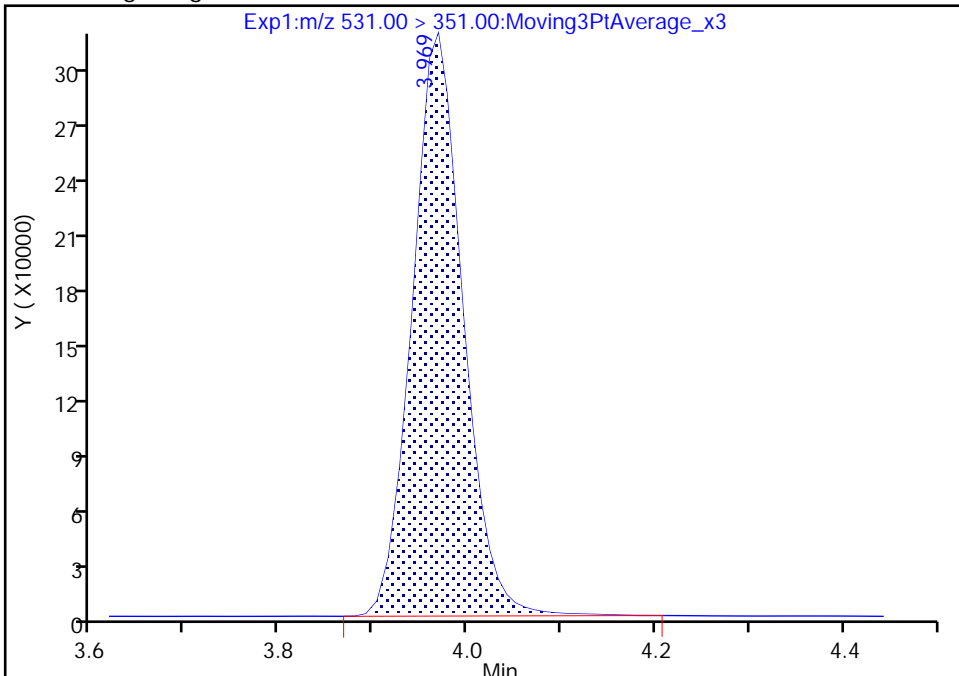
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

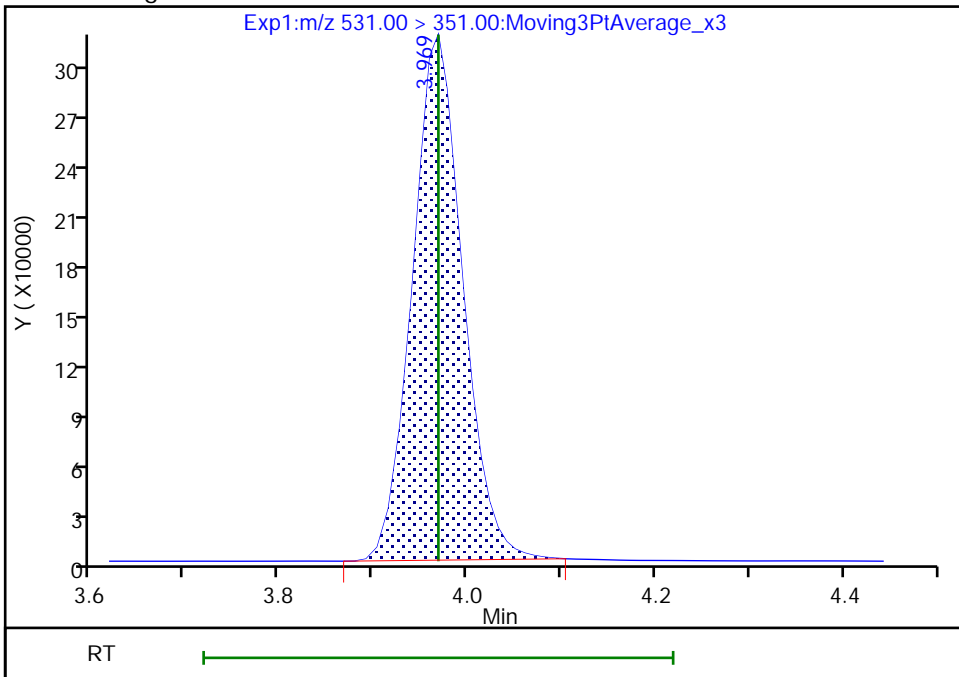
RT: 3.97
Area: 1192706
Amount: 0.913809
Amount Units: ng/ml

Processing Integration Results



RT: 3.97
Area: 1181613
Amount: 0.921644
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:48:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

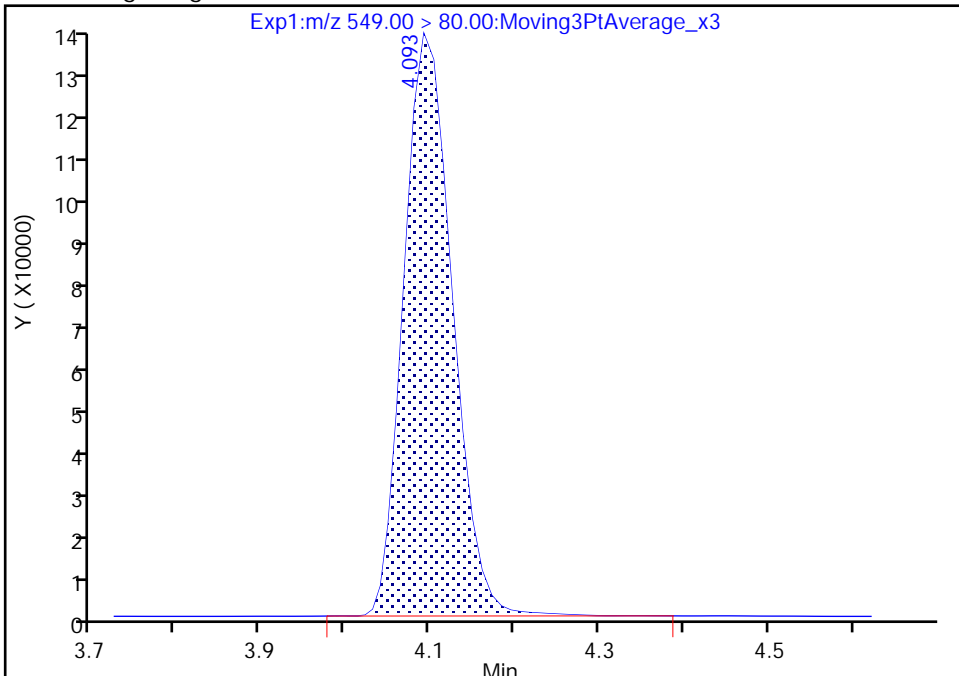
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 1

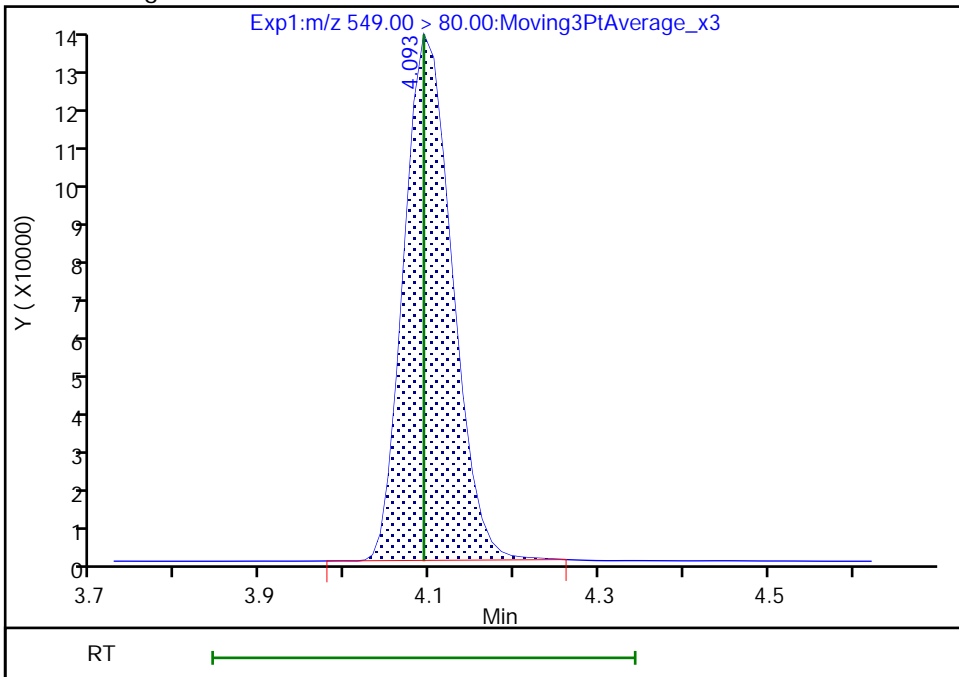
RT: 4.09
Area: 536415
Amount: 0.936174
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 533126
Amount: 0.938175
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:49:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

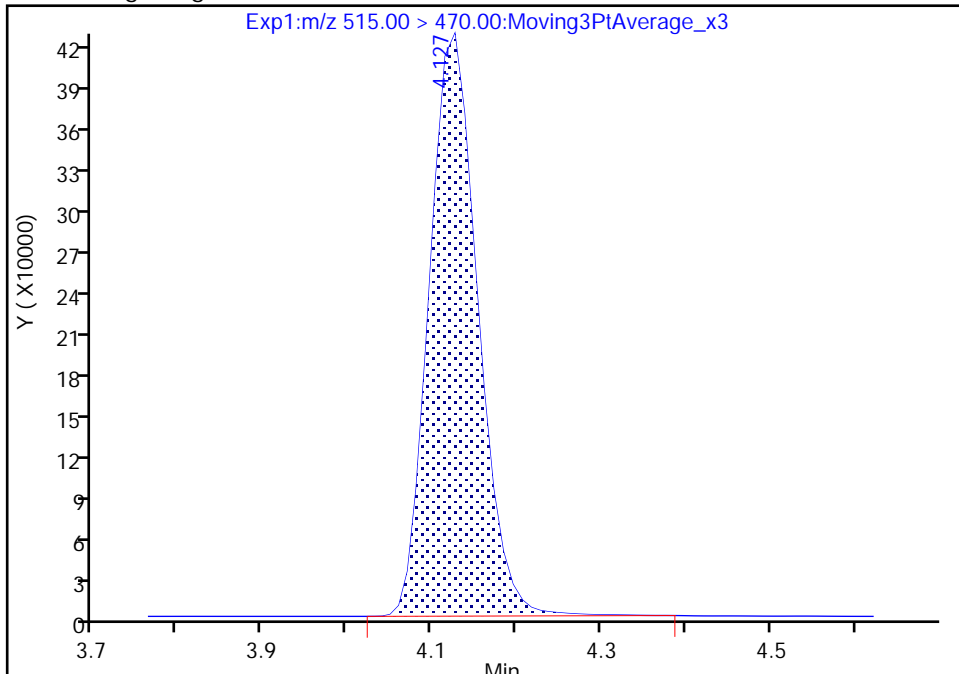
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d		
Injection Date:	03-Aug-2022 13:24:49	Instrument ID:	LC812
Lims ID:	ICIS		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	8

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

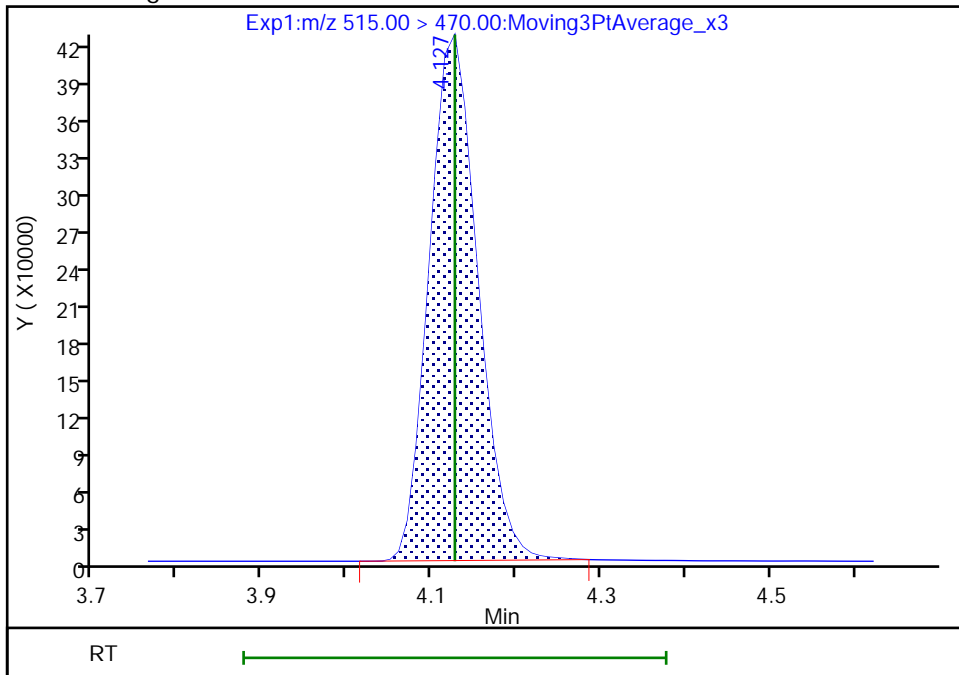
RT: 4.13
 Area: 1684120
 Amount: 1.254981
 Amount Units: ng/ml

Processing Integration Results



RT: 4.13
 Area: 1674653
 Amount: 1.259235
 Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:49:08
 Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

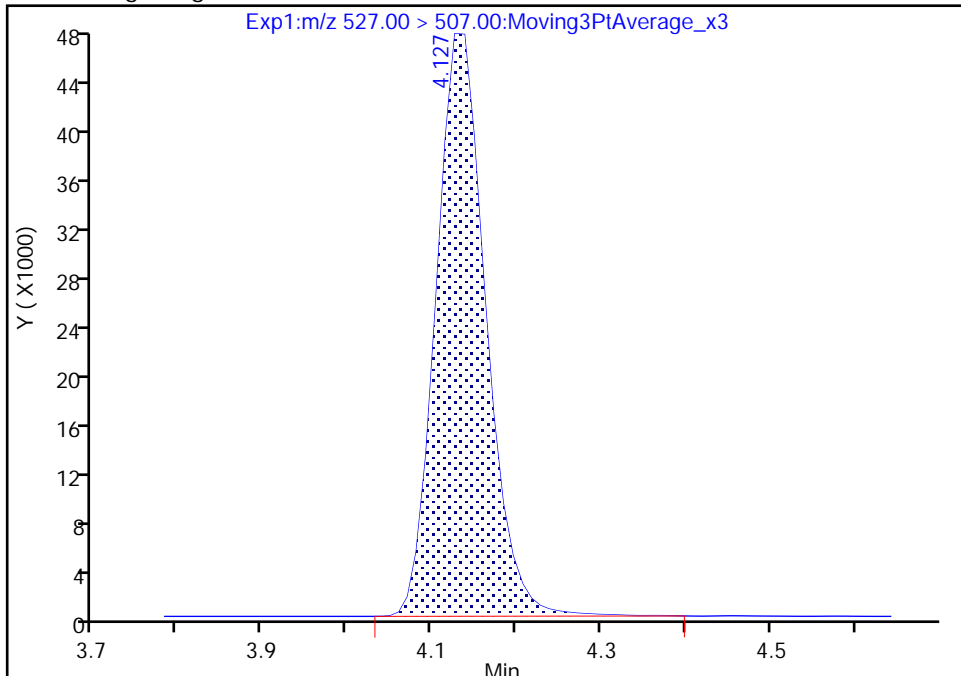
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

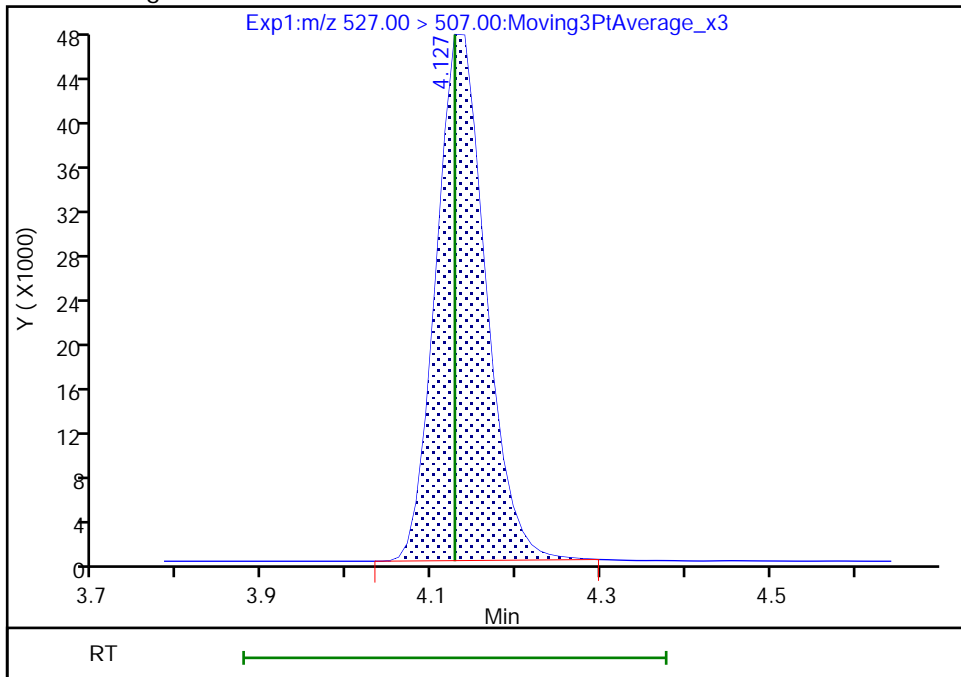
RT: 4.13
Area: 195632
Amount: 0.962052
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 194268
Amount: 1.001467
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:49:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

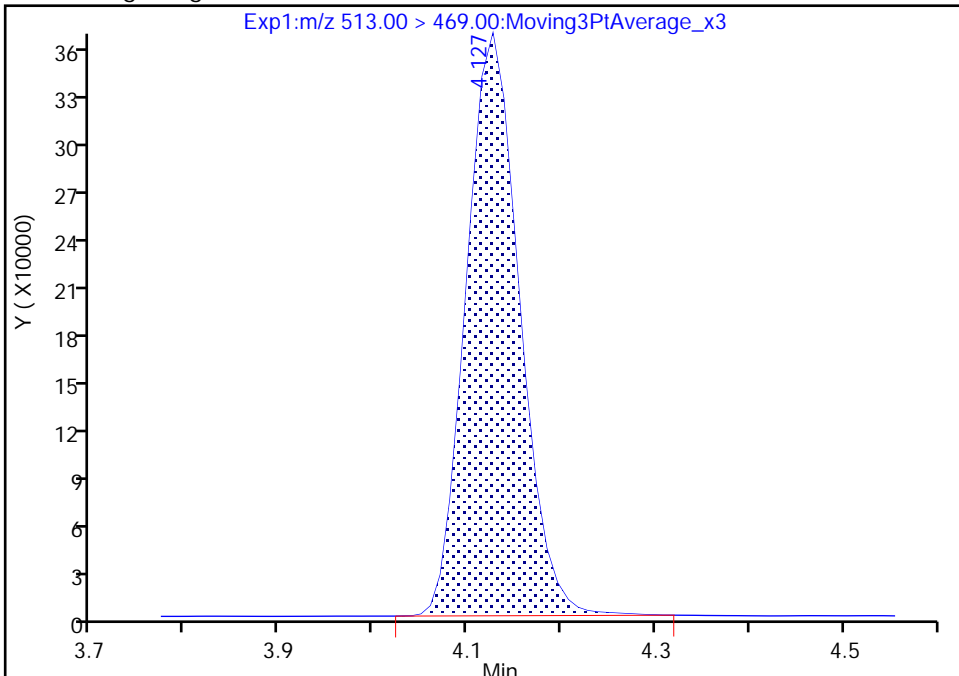
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

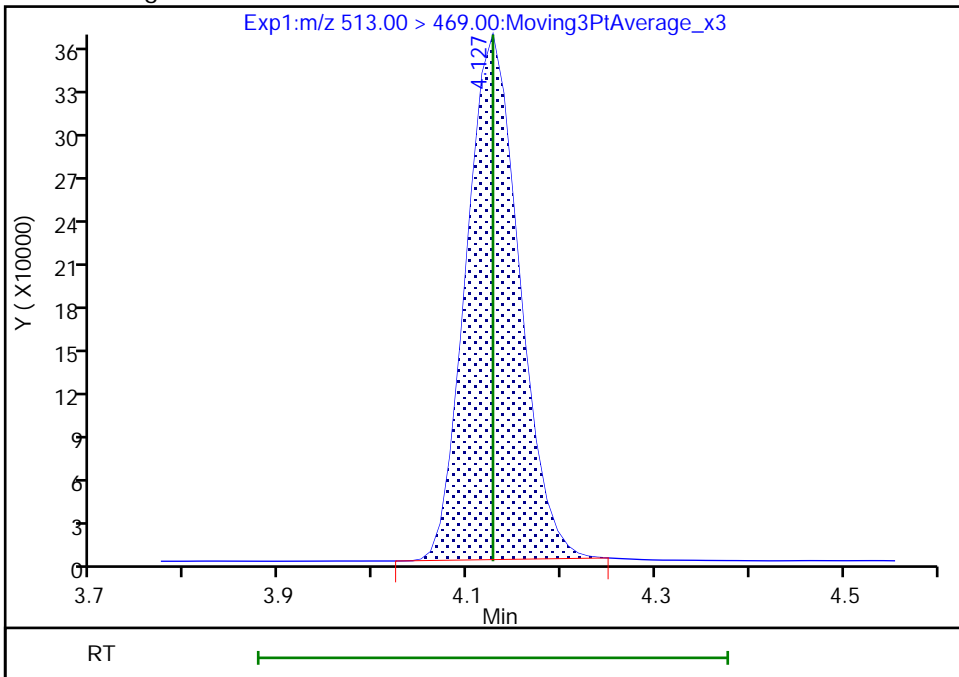
RT: 4.13
Area: 1428368
Amount: 1.006144
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 1414392
Amount: 1.003838
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:49:17
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

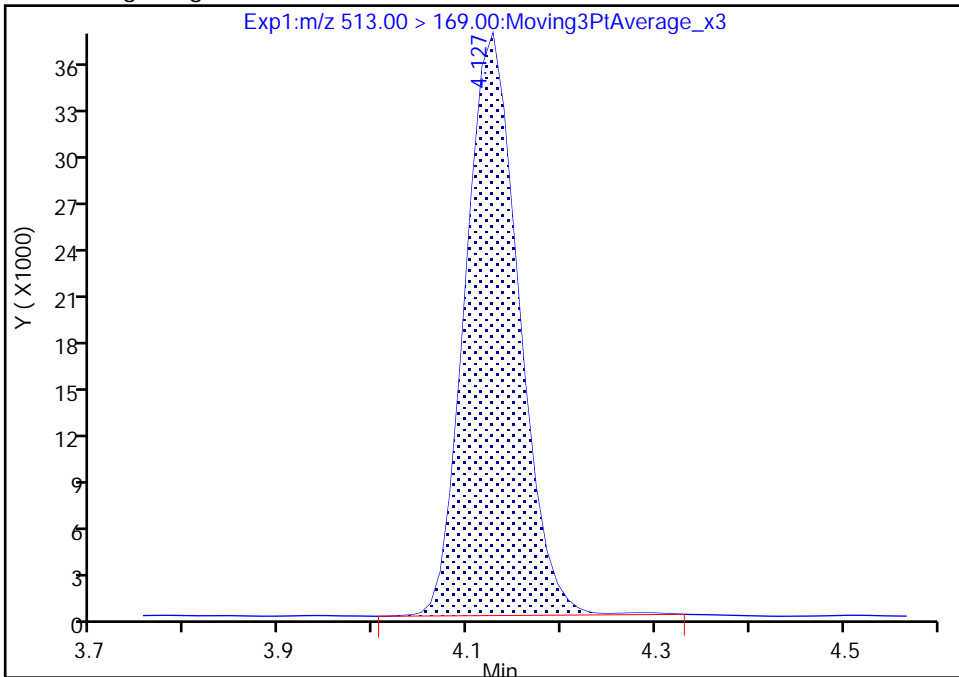
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

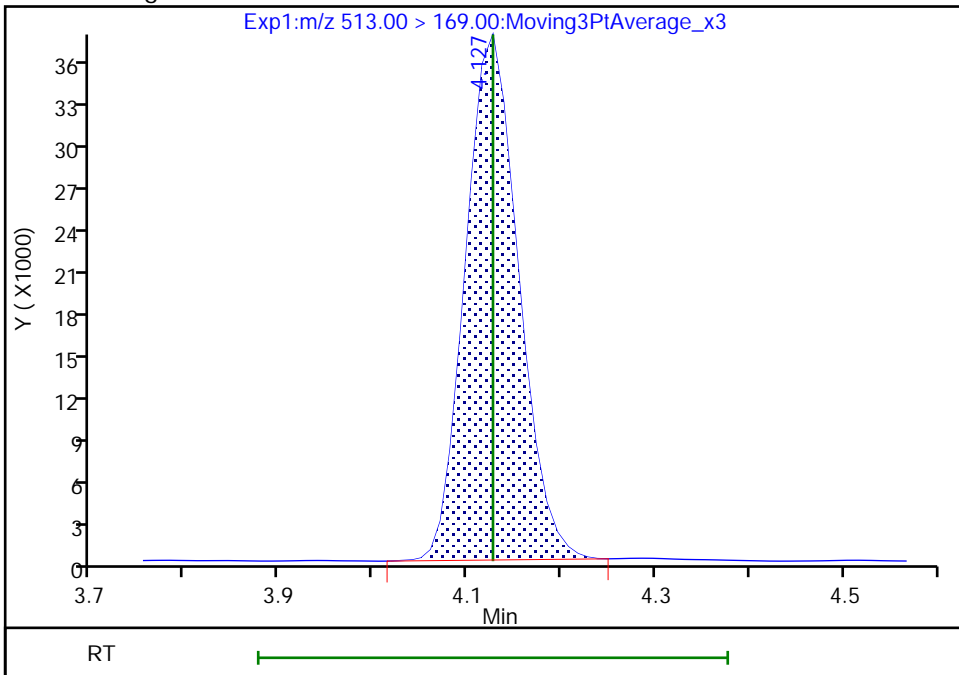
RT: 4.13
Area: 147199
Amount: 1.006144
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 146317
Amount: 1.003838
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:49:21

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

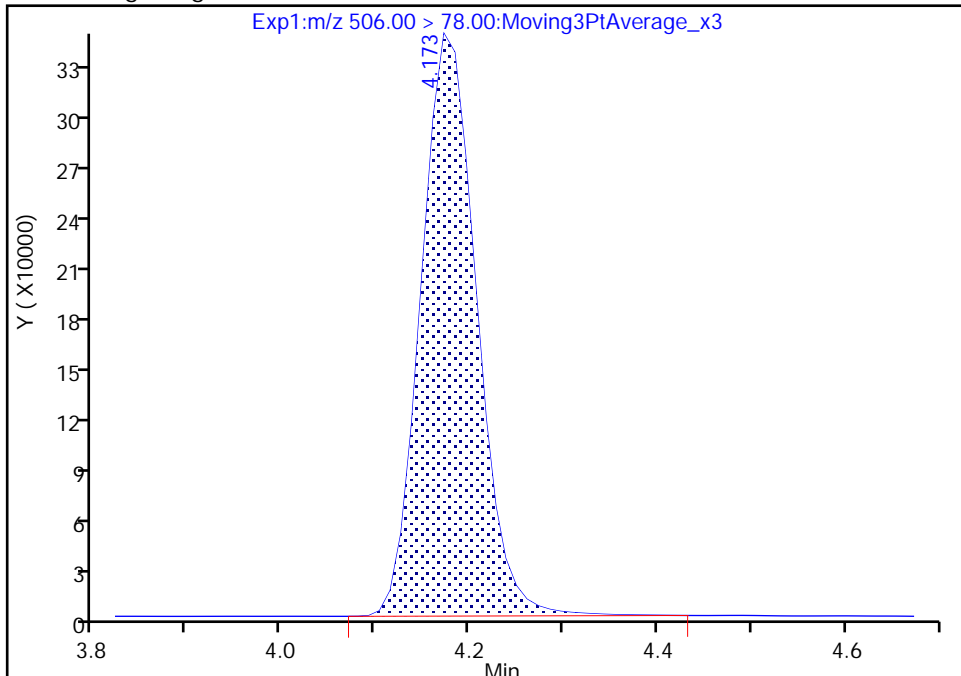
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

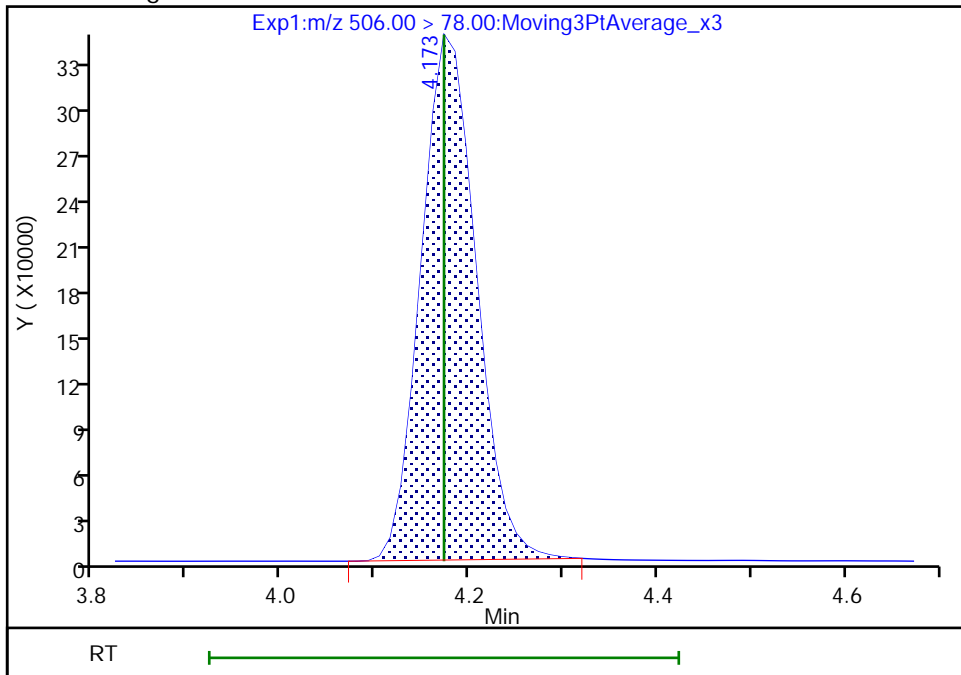
RT: 4.17
Area: 1401019
Amount: 1.082534
Amount Units: ng/ml

Processing Integration Results



RT: 4.17
Area: 1386621
Amount: 1.191298
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:49:33
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

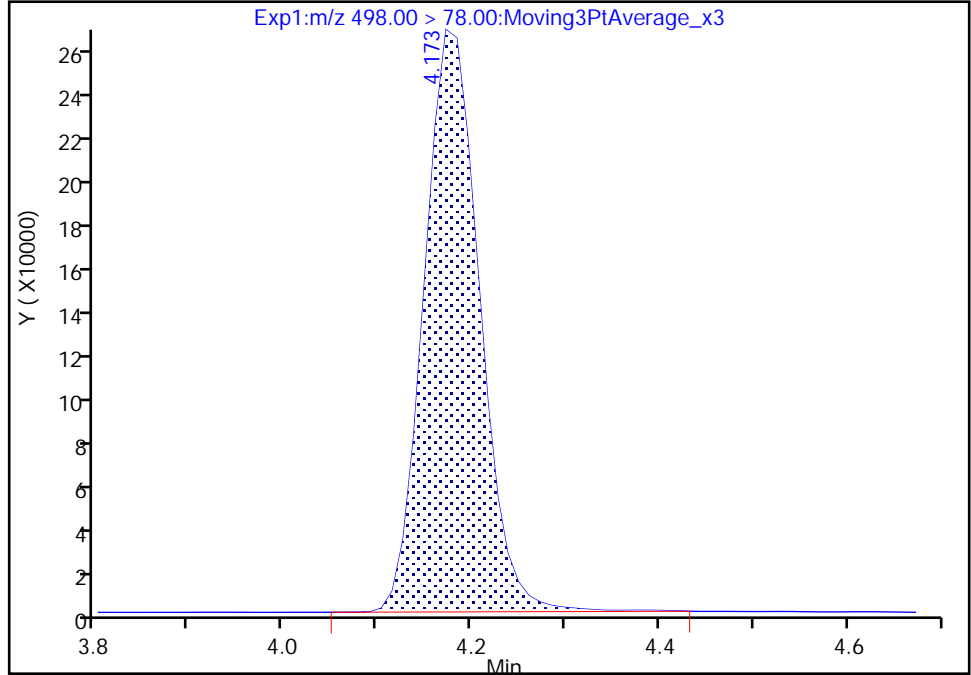
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

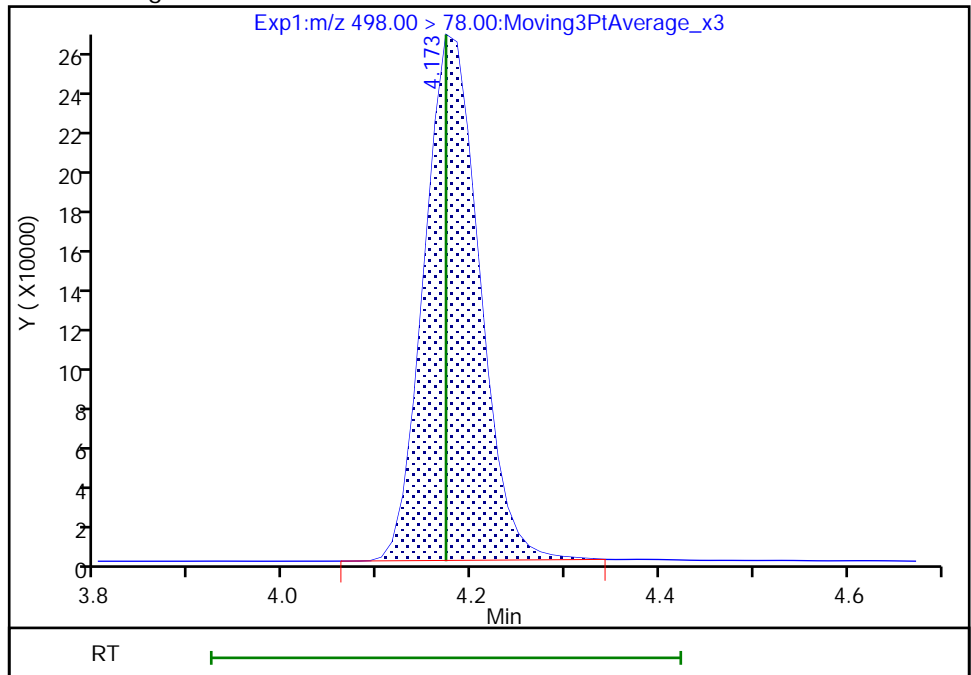
RT: 4.17
Area: 1101851
Amount: 0.976900
Amount Units: ng/ml

Processing Integration Results



RT: 4.17
Area: 1095271
Amount: 0.968938
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:49:39
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

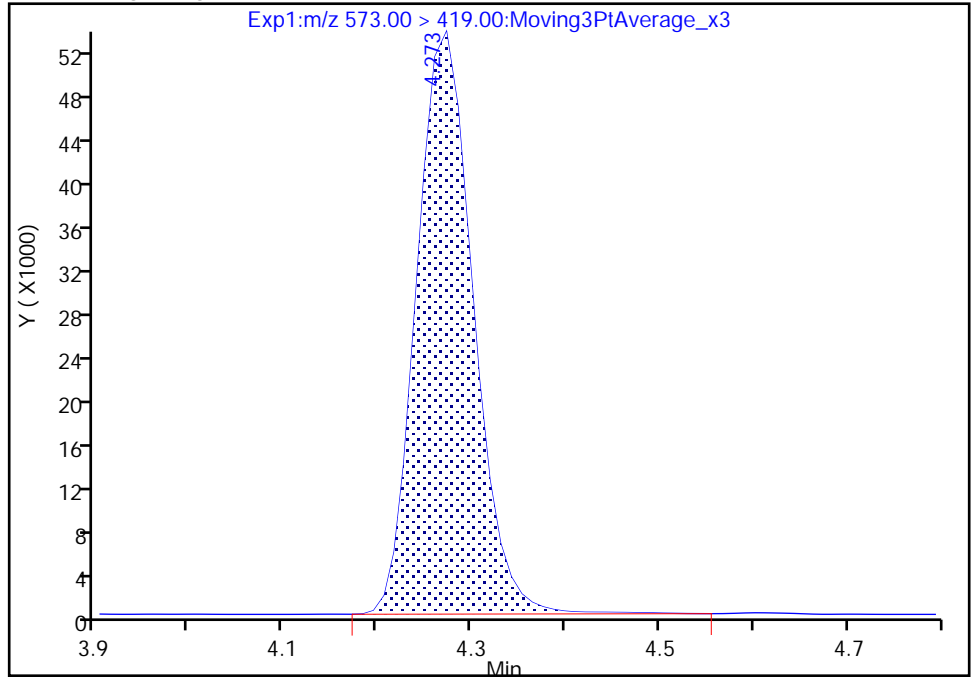
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
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

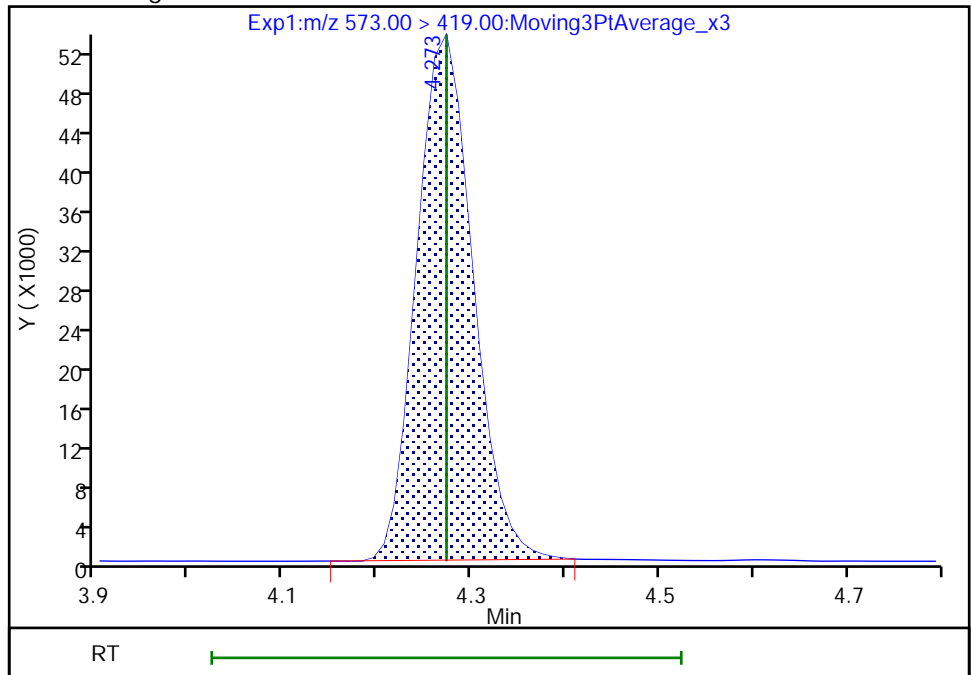
RT: 4.27
Area: 224901
Amount: 1.235750
Amount Units: ng/ml

Processing Integration Results



RT: 4.27
Area: 222702
Amount: 1.249393
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:49:45
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

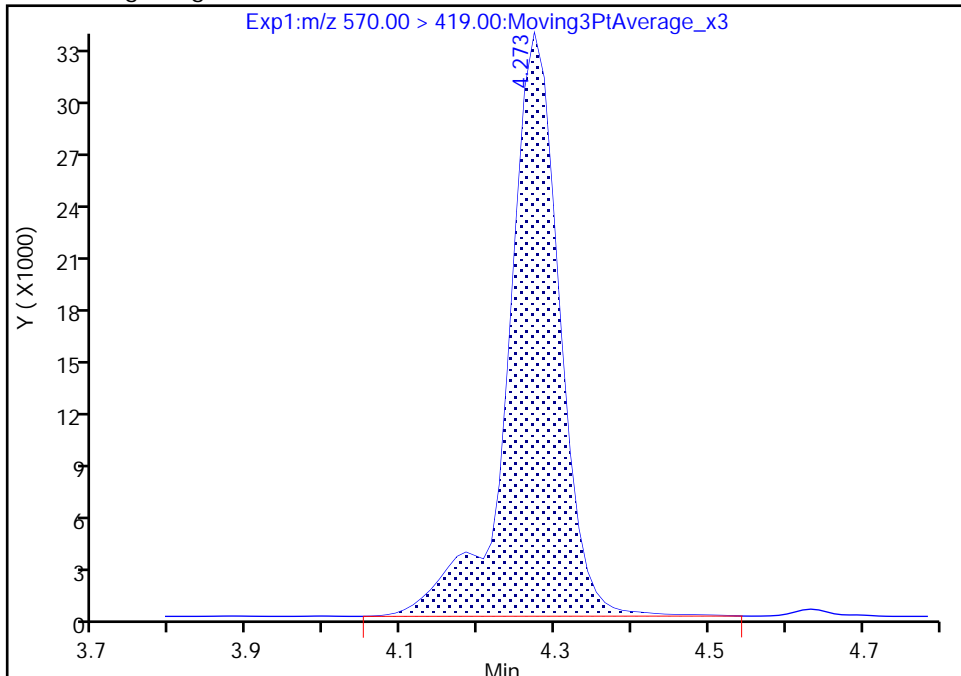
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

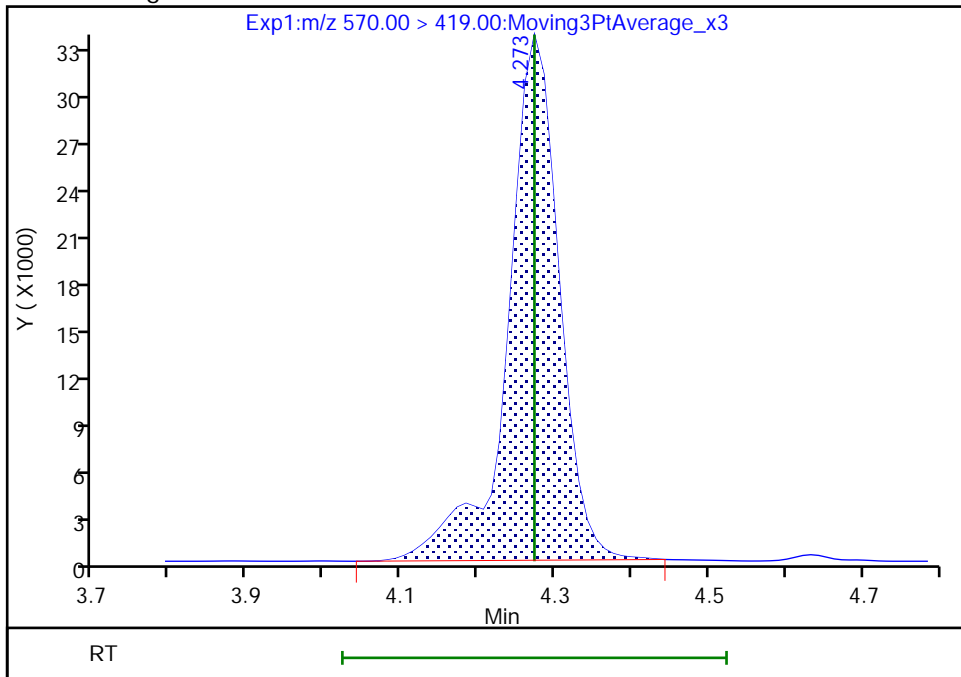
RT: 4.27
Area: 155449
Amount: 0.981776
Amount Units: ng/ml

Processing Integration Results



RT: 4.27
Area: 153984
Amount: 0.973182
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:49:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

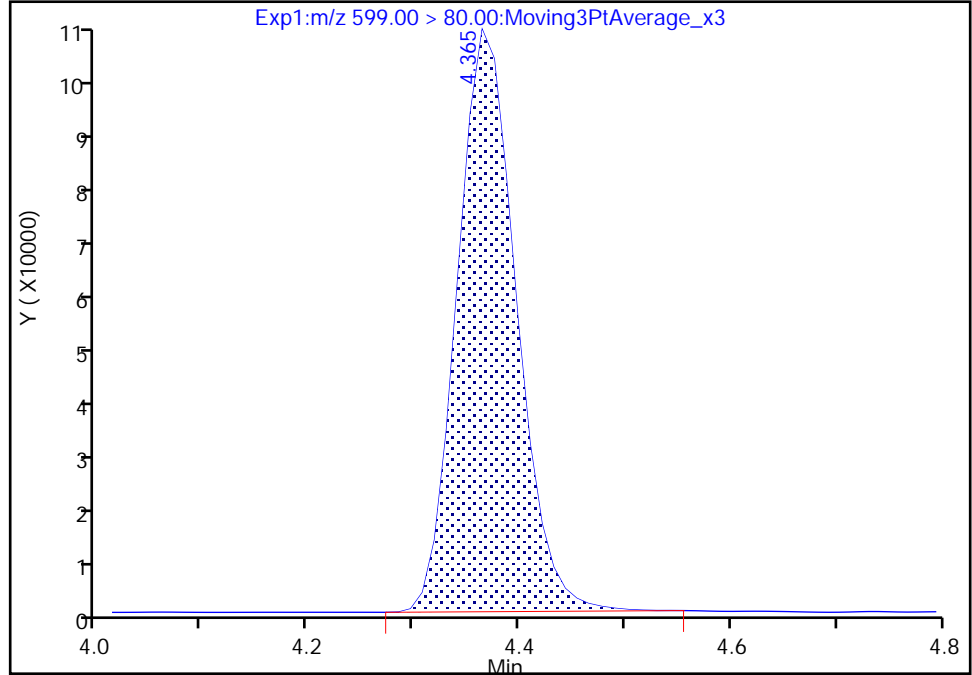
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

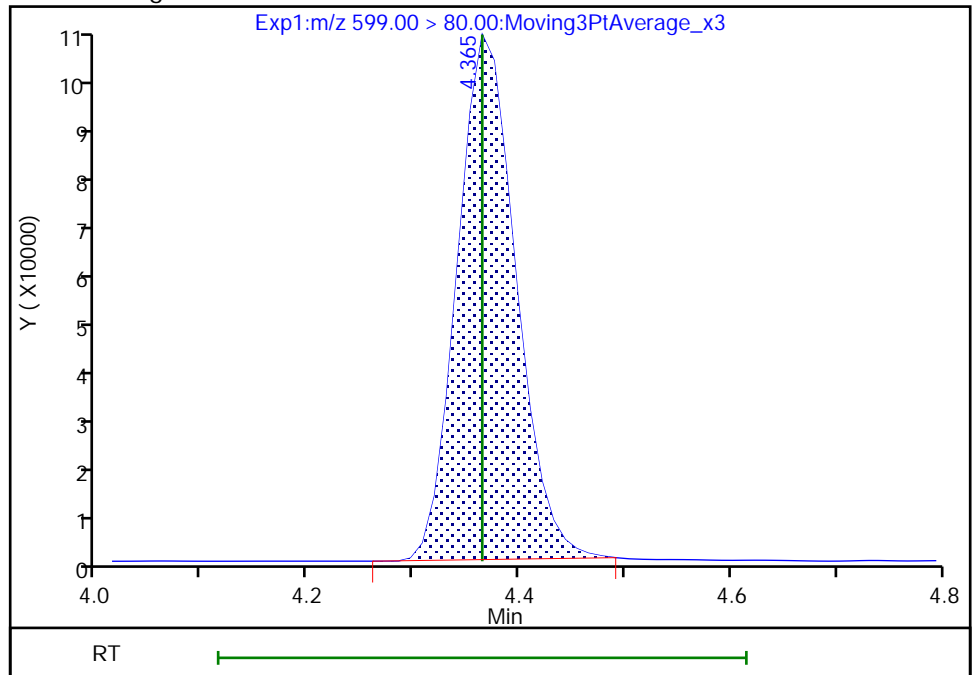
RT: 4.36
Area: 418358
Amount: 0.964624
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 414469
Amount: 0.980127
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:49:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

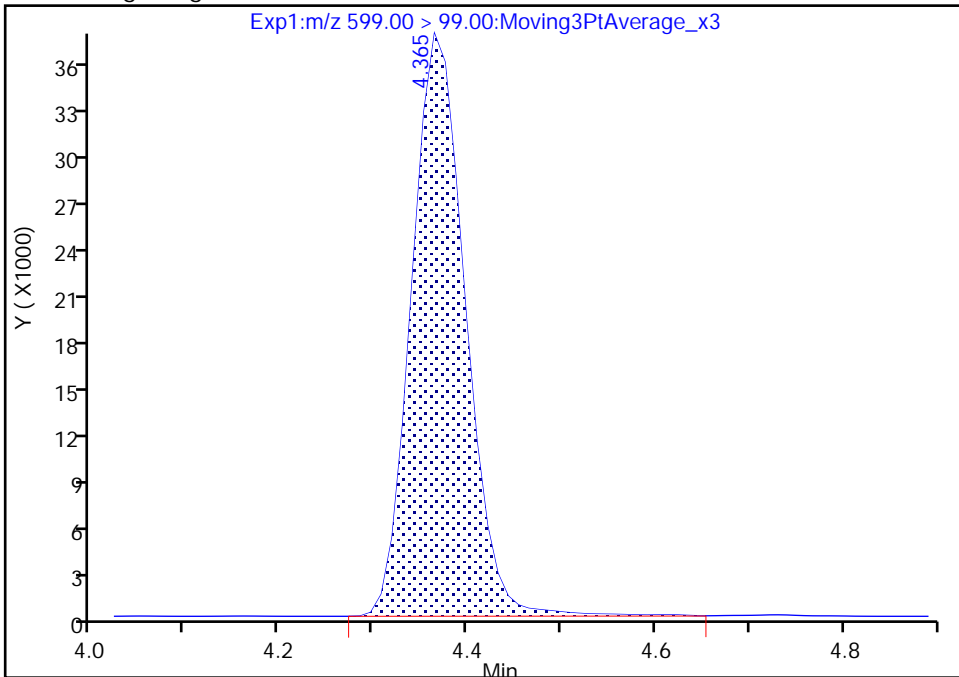
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

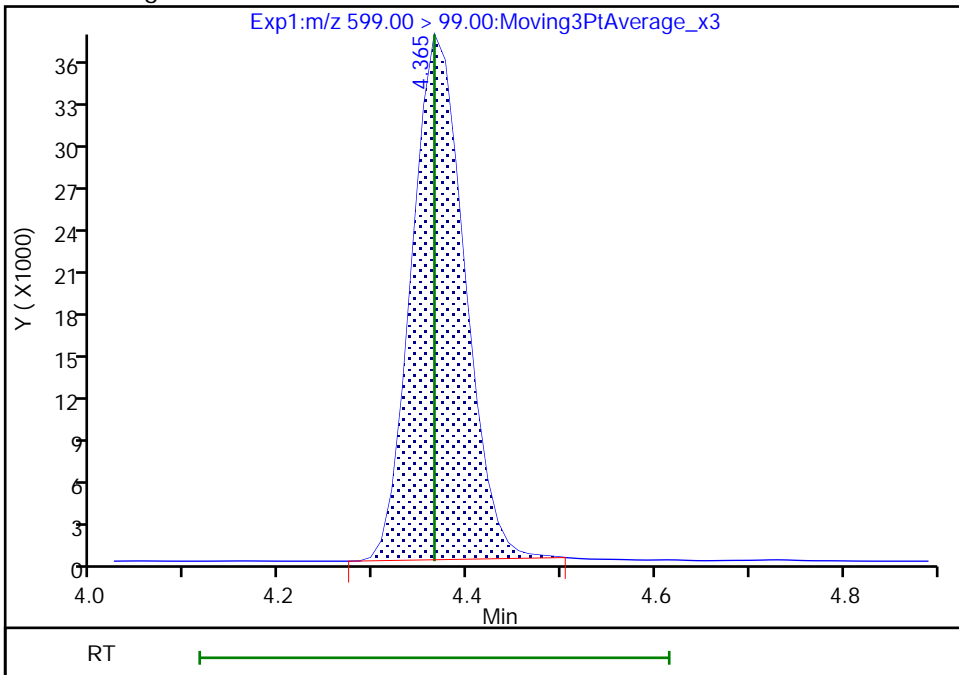
RT: 4.36
Area: 150492
Amount: 0.964624
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 147870
Amount: 0.980127
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:49:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

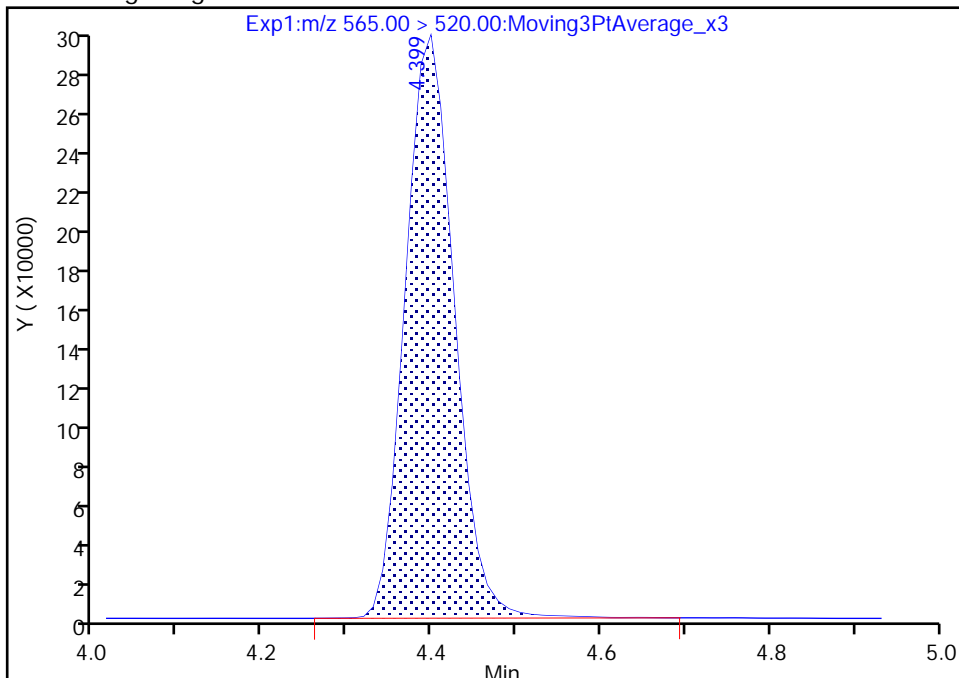
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

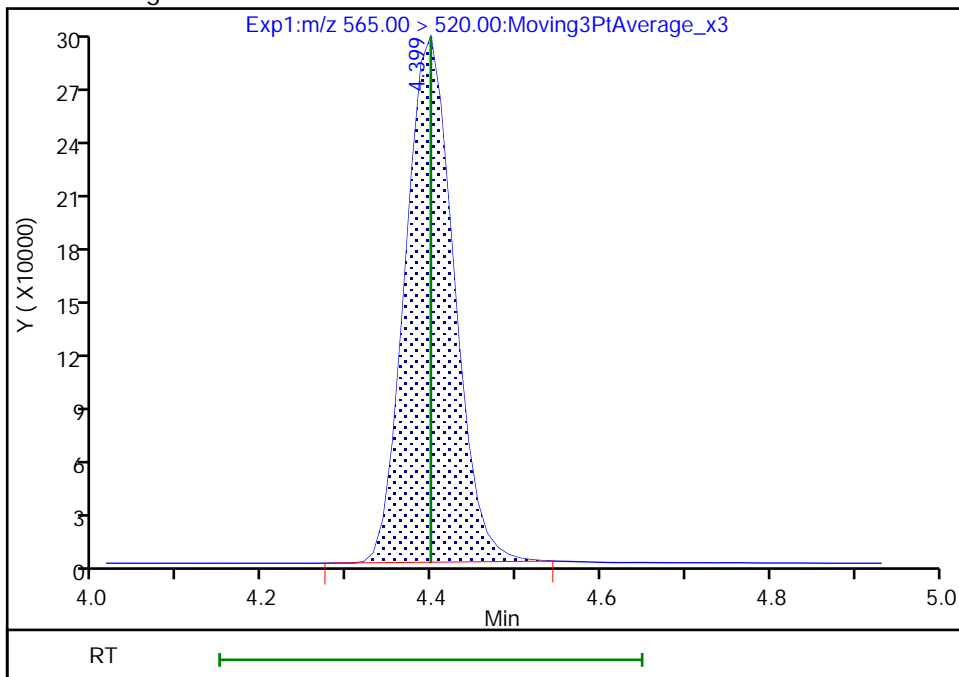
RT: 4.40
Area: 1197435
Amount: 1.154017
Amount Units: ng/ml

Processing Integration Results



RT: 4.40
Area: 1185895
Amount: 1.176912
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:50:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

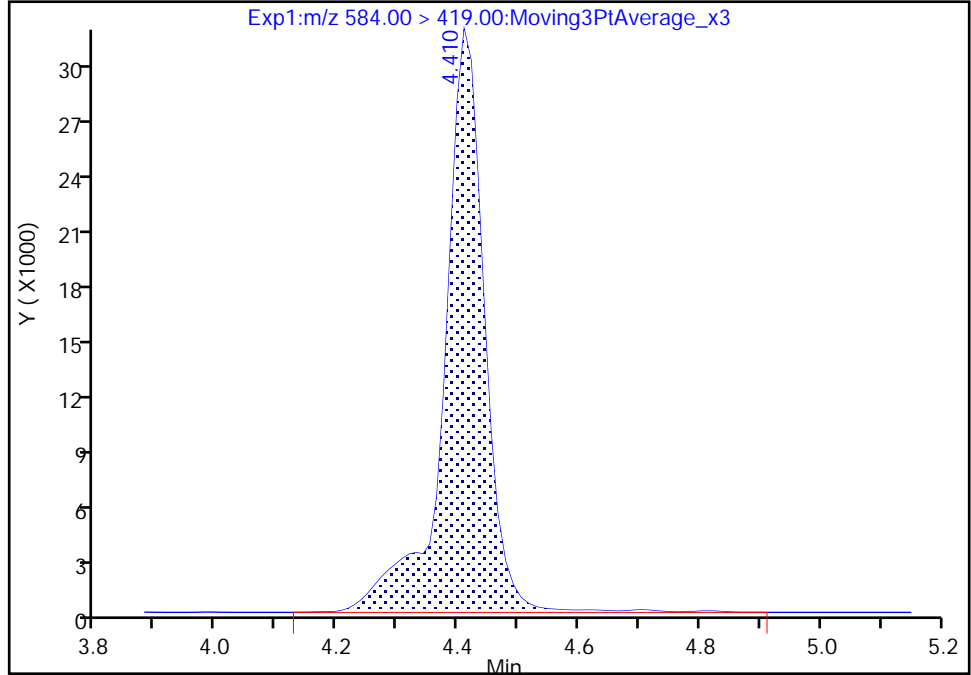
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

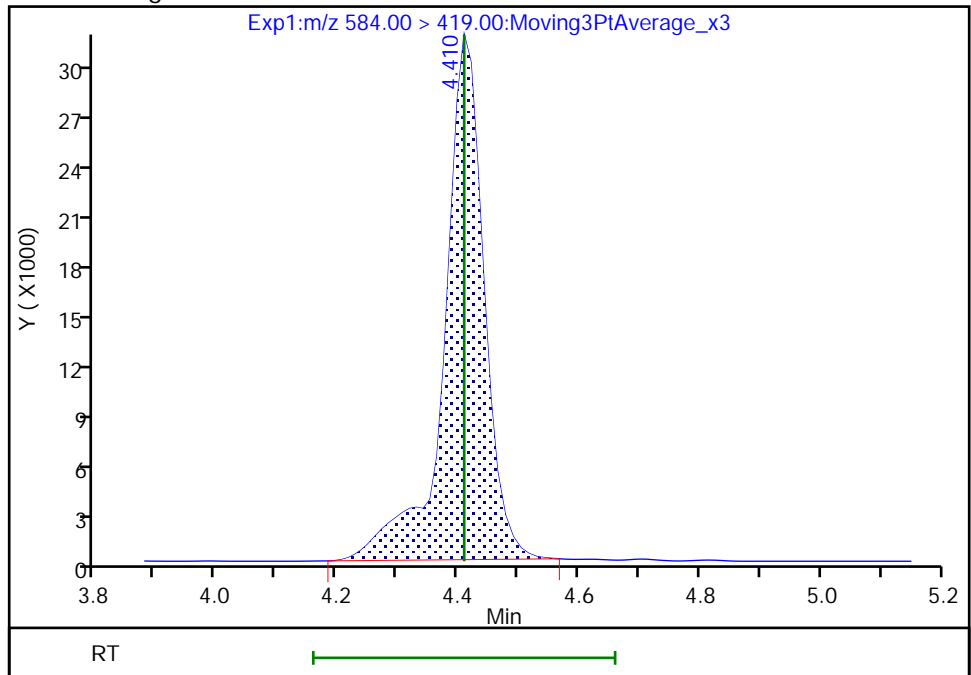
RT: 4.41
Area: 147459
Amount: 0.972934
Amount Units: ng/ml

Processing Integration Results



RT: 4.41
Area: 144142
Amount: 0.961142
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:50:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

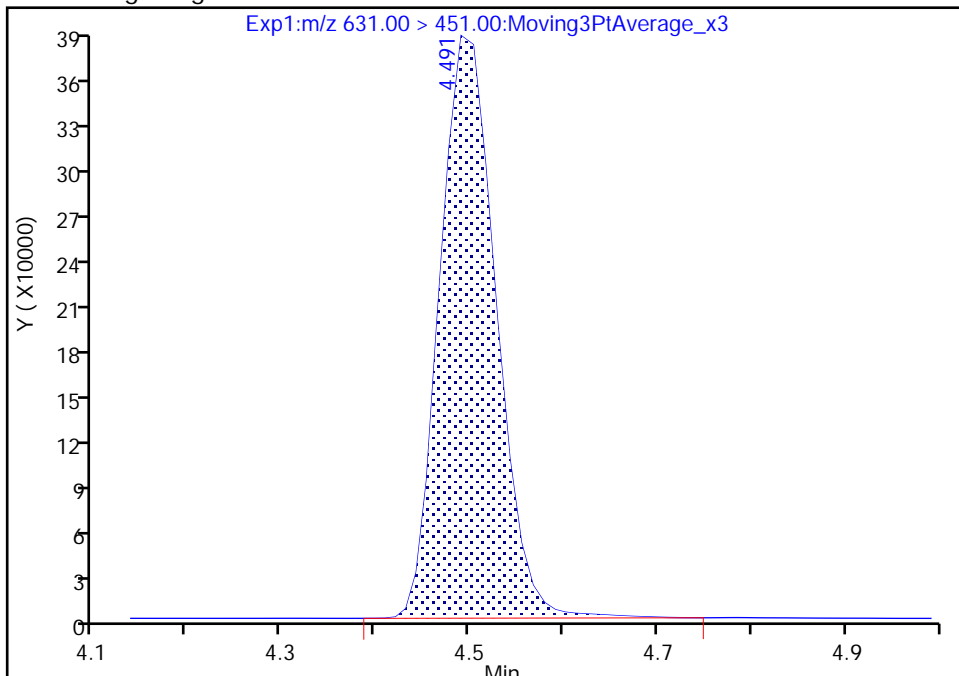
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

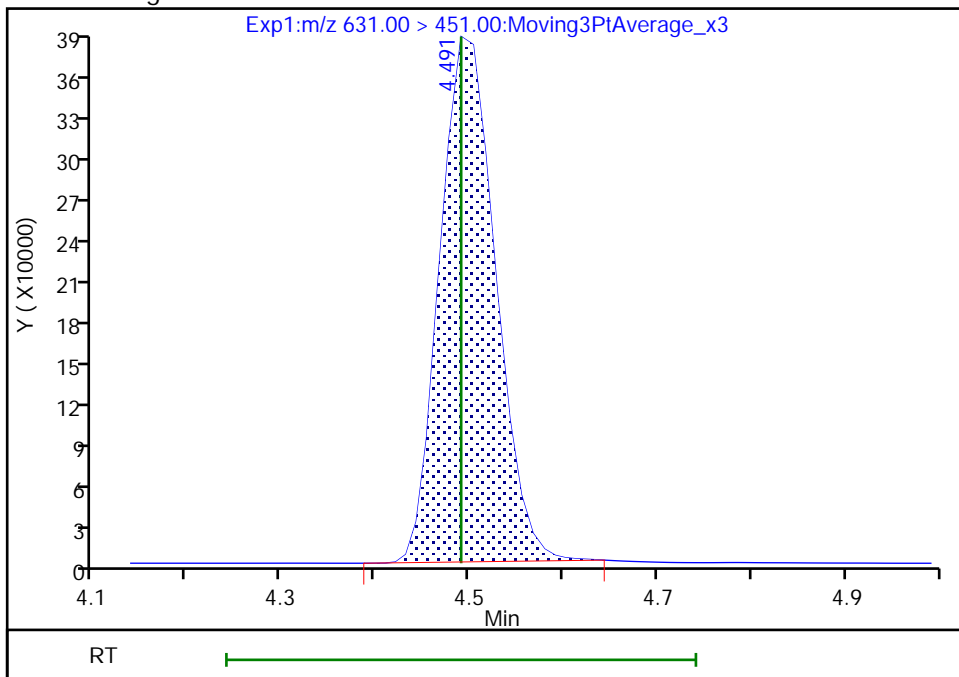
RT: 4.49
Area: 1603983
Amount: 0.937988
Amount Units: ng/ml

Processing Integration Results



RT: 4.49
Area: 1584274
Amount: 0.949418
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:50:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

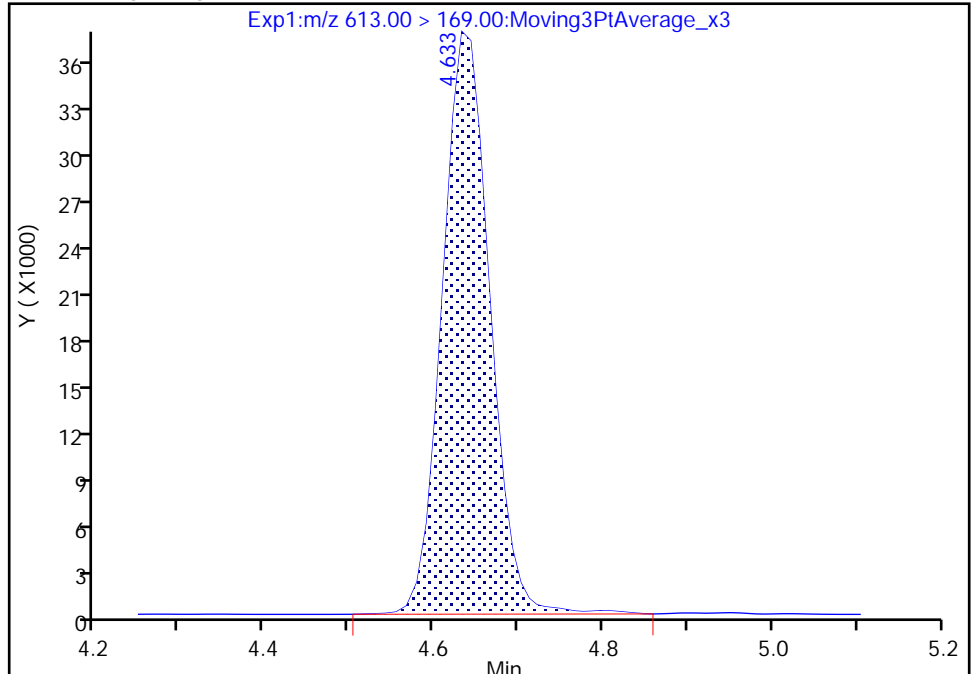
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

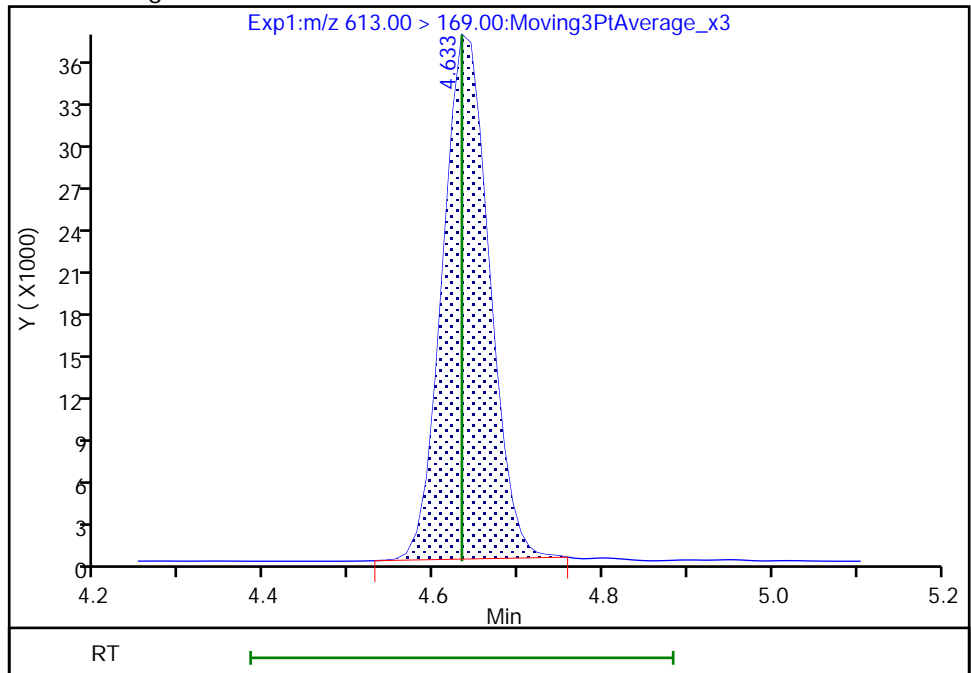
RT: 4.63
Area: 147597
Amount: 0.988647
Amount Units: ng/ml

Processing Integration Results



RT: 4.63
Area: 144662
Amount: 0.995608
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:50:24
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

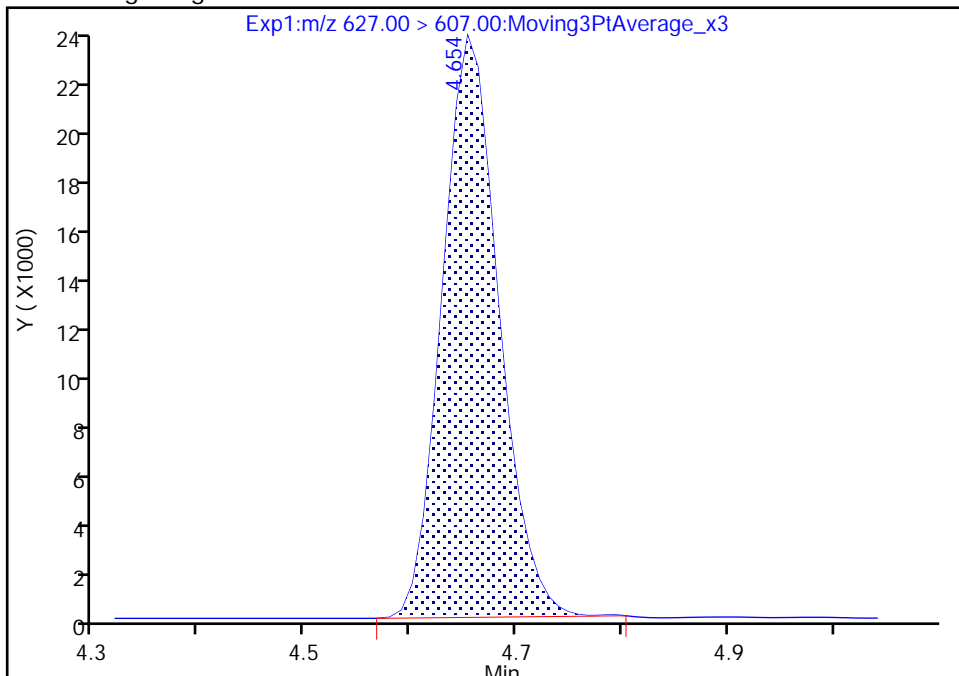
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

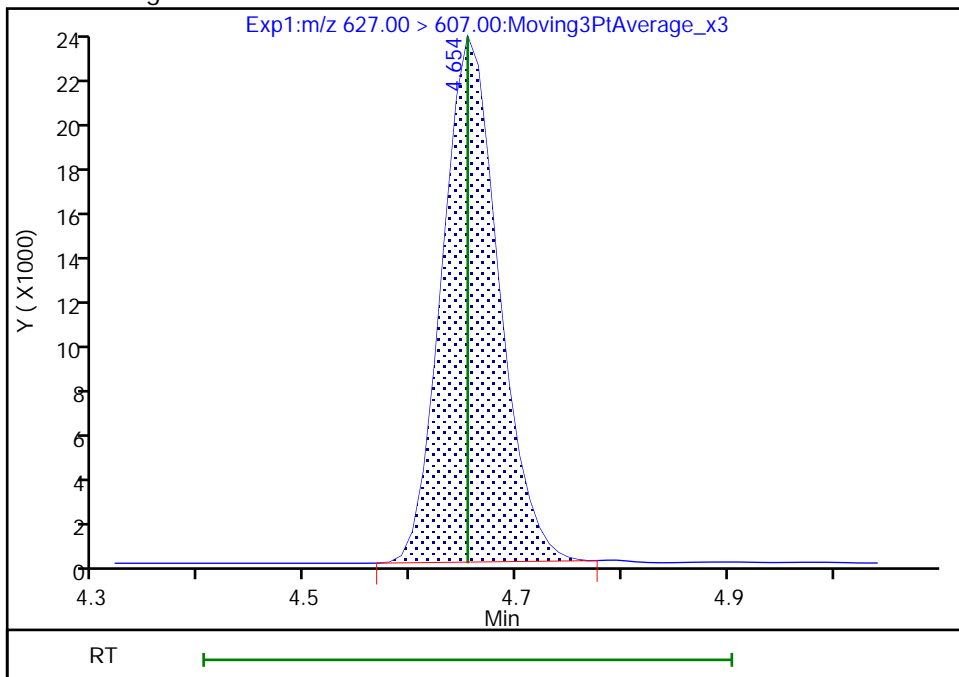
RT: 4.65
Area: 88661
Amount: 0.885221
Amount Units: ng/ml

Processing Integration Results



RT: 4.65
Area: 88428
Amount: 0.975772
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:50:30
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

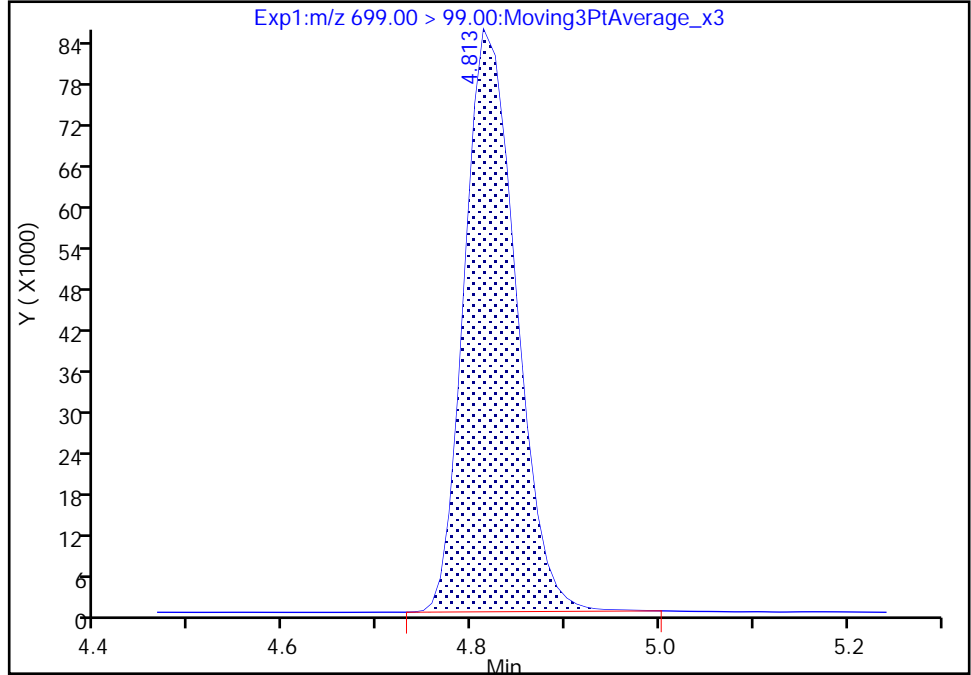
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 2

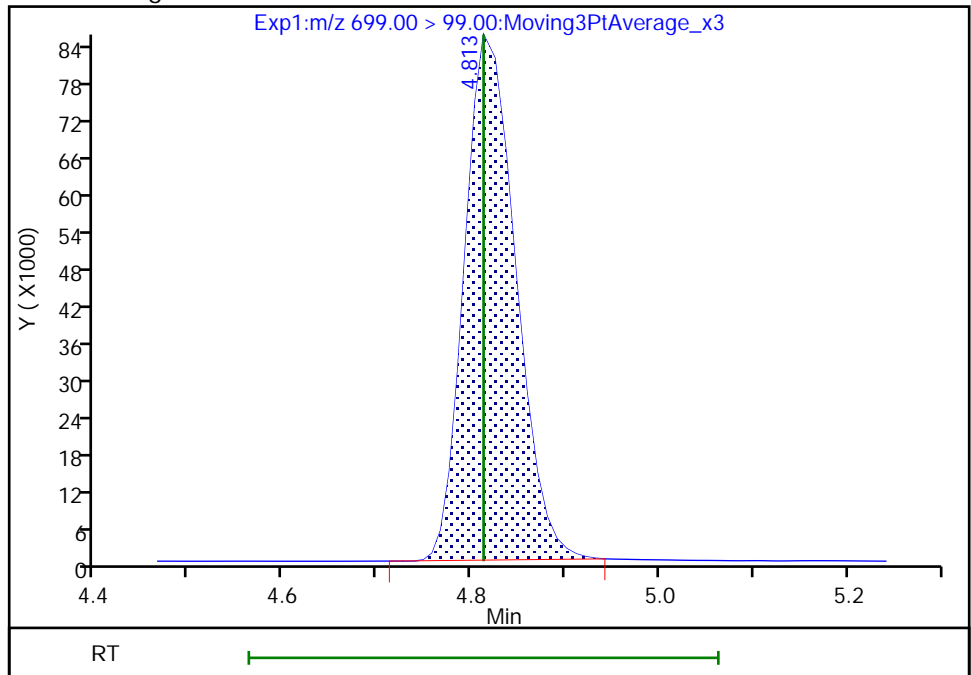
RT: 4.81
Area: 325434
Amount: 0.871049
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 323544
Amount: 0.902190
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:50:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

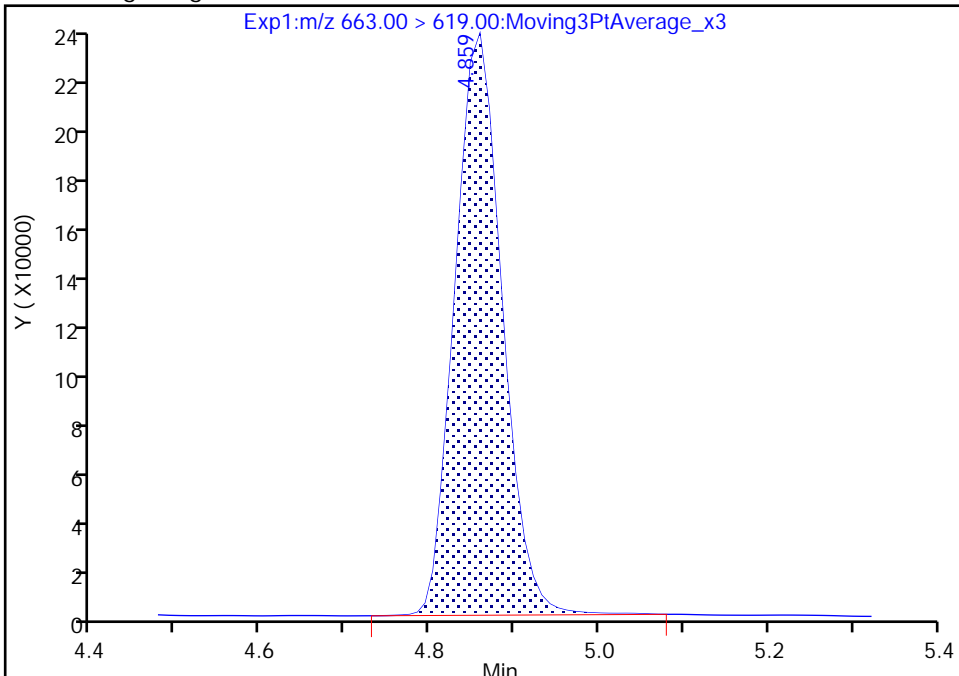
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

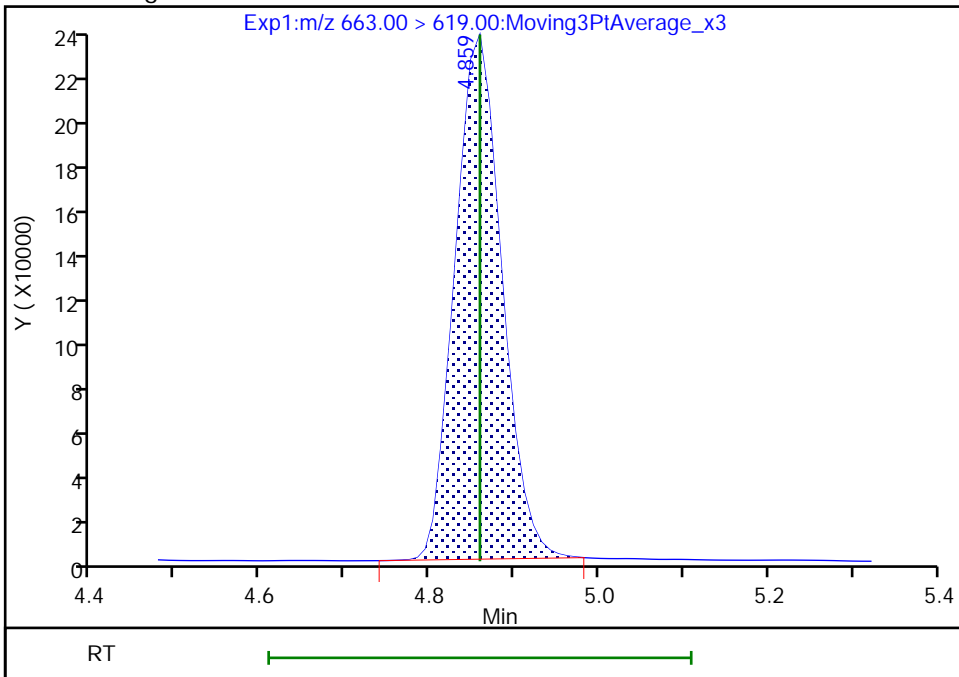
RT: 4.86
Area: 908882
Amount: 1.015767
Amount Units: ng/ml

Processing Integration Results



RT: 4.86
Area: 899529
Amount: 1.024937
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:50:40
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

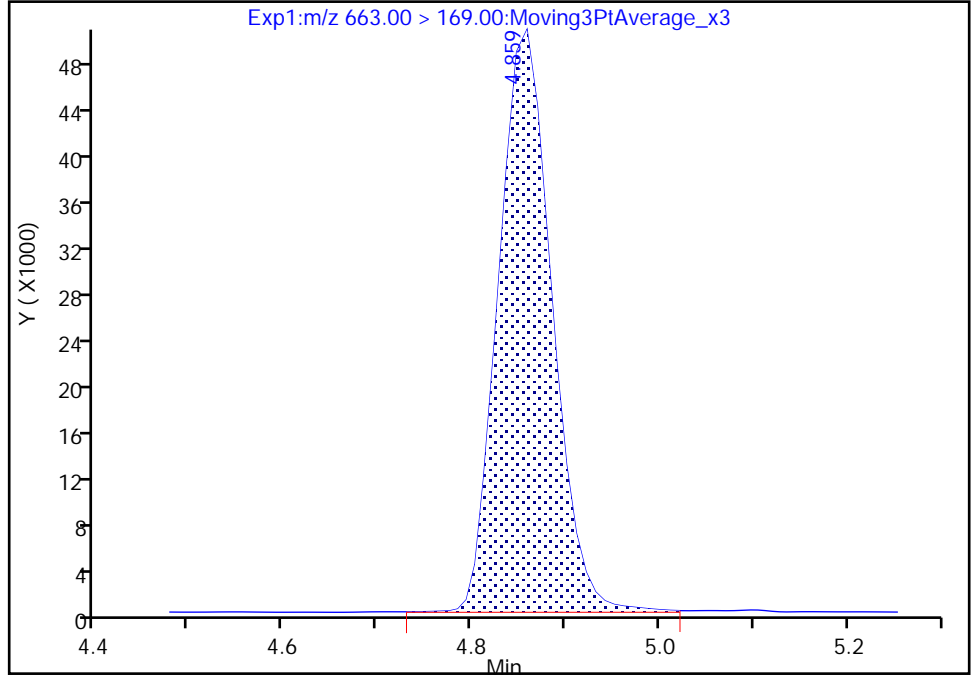
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

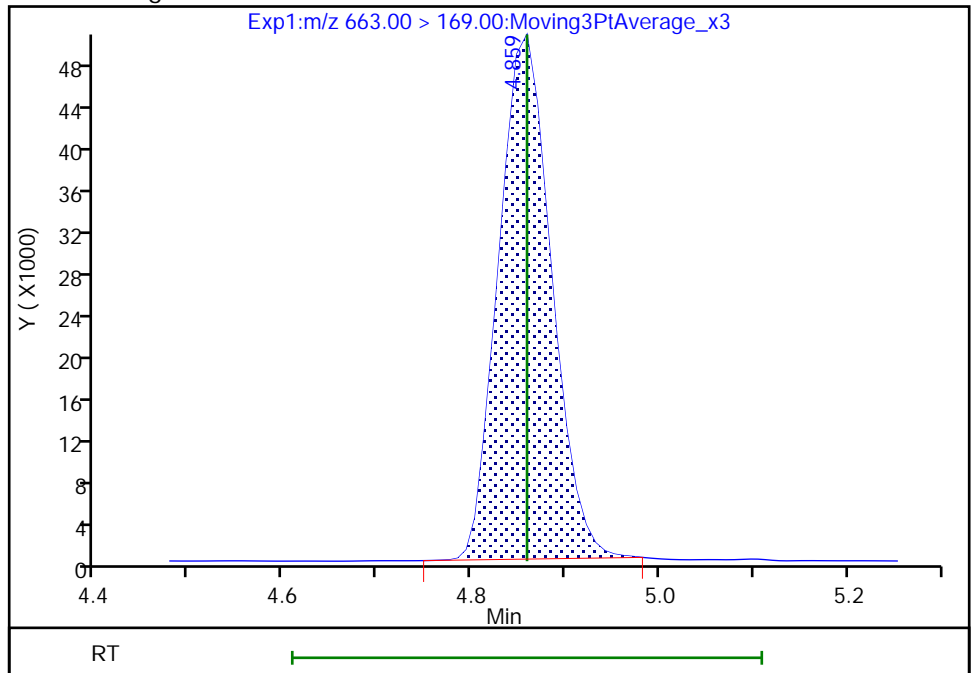
RT: 4.86
Area: 200689
Amount: 1.015767
Amount Units: ng/ml

Processing Integration Results



RT: 4.86
Area: 197181
Amount: 1.024937
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:50:44

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

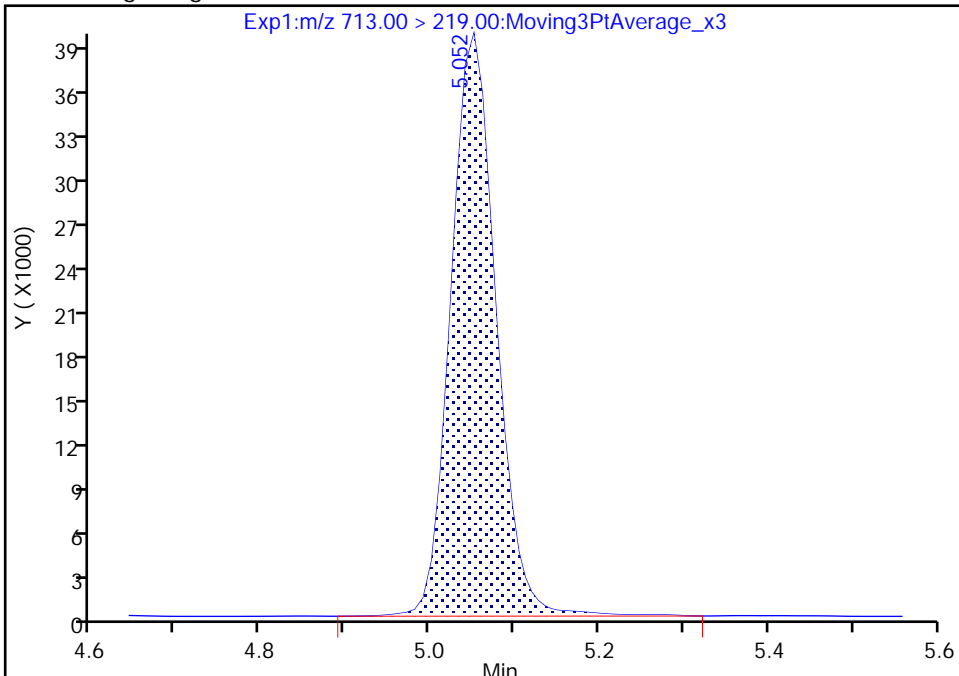
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

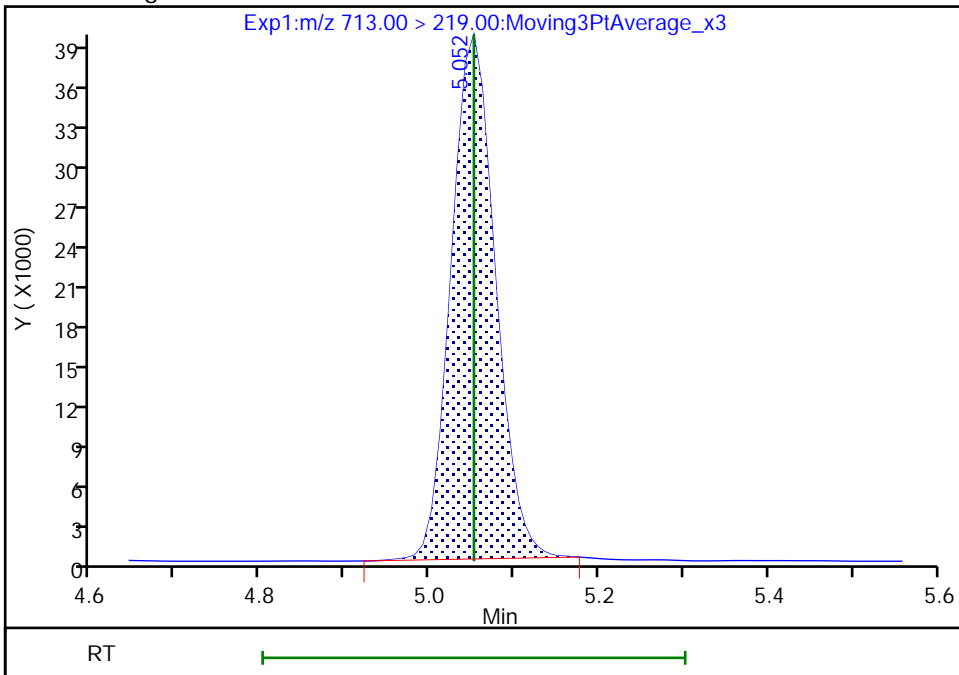
RT: 5.05
Area: 144950
Amount: 0.991640
Amount Units: ng/ml

Processing Integration Results



RT: 5.05
Area: 141742
Amount: 0.983337
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:50:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

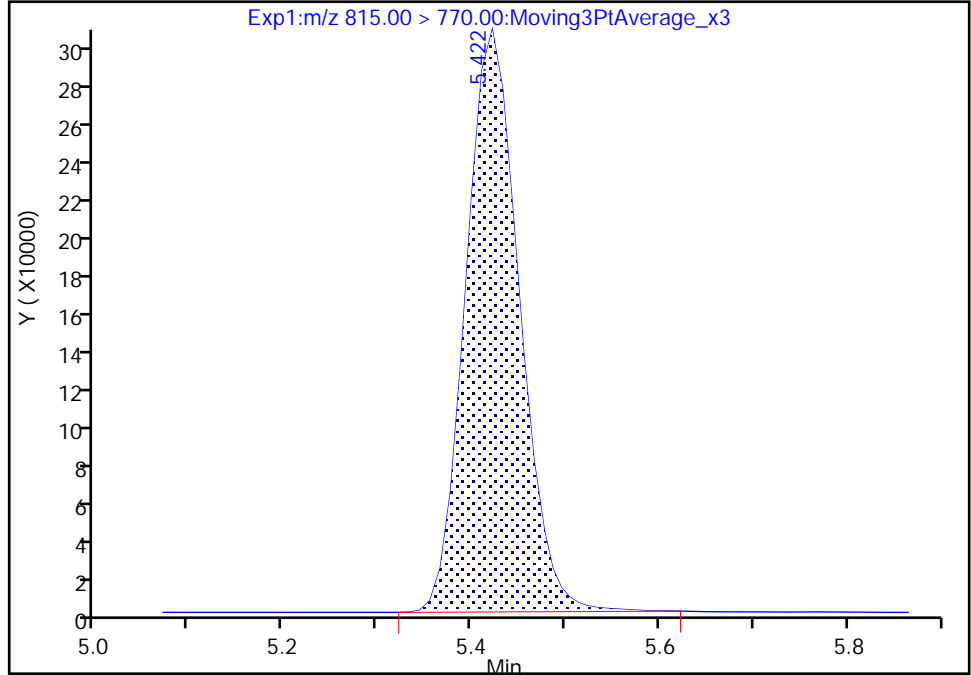
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
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

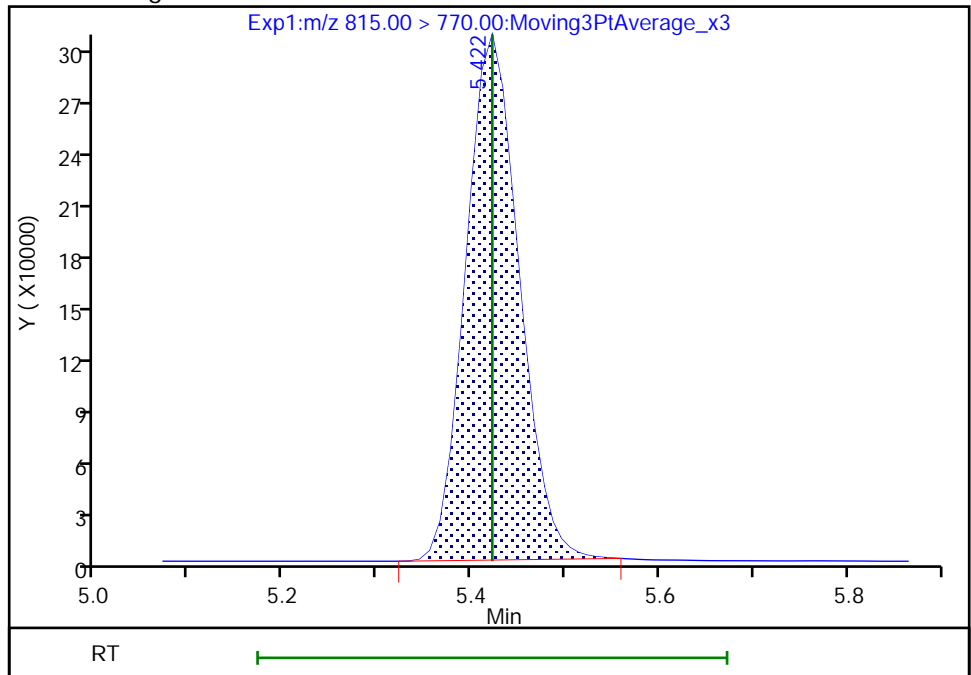
RT: 5.42
Area: 1211380
Amount: 1.228044
Amount Units: ng/ml

Processing Integration Results



RT: 5.42
Area: 1201939
Amount: 1.236162
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:50:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

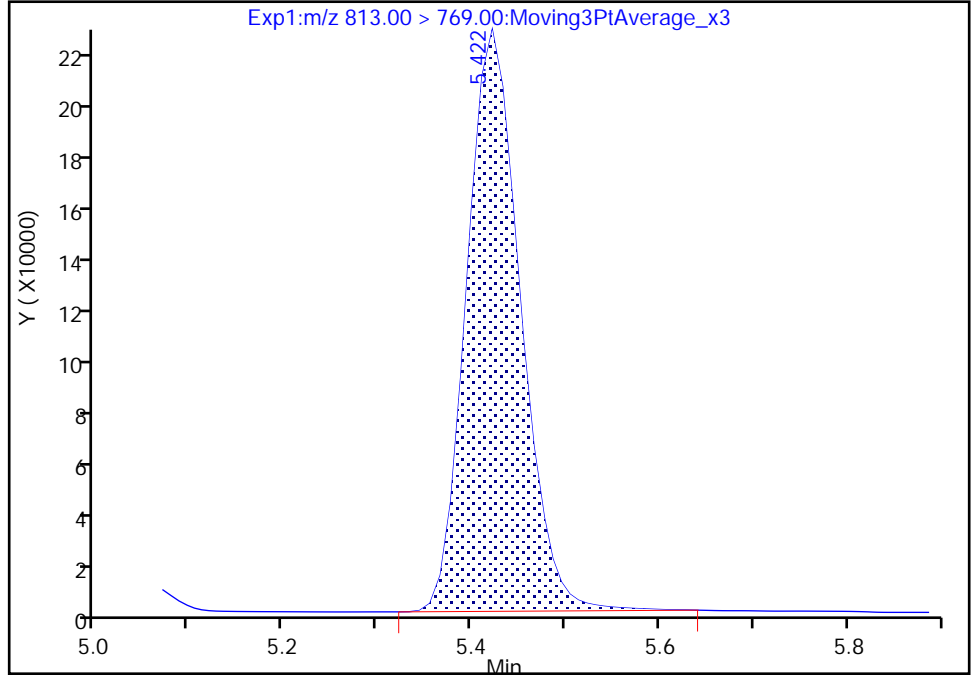
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

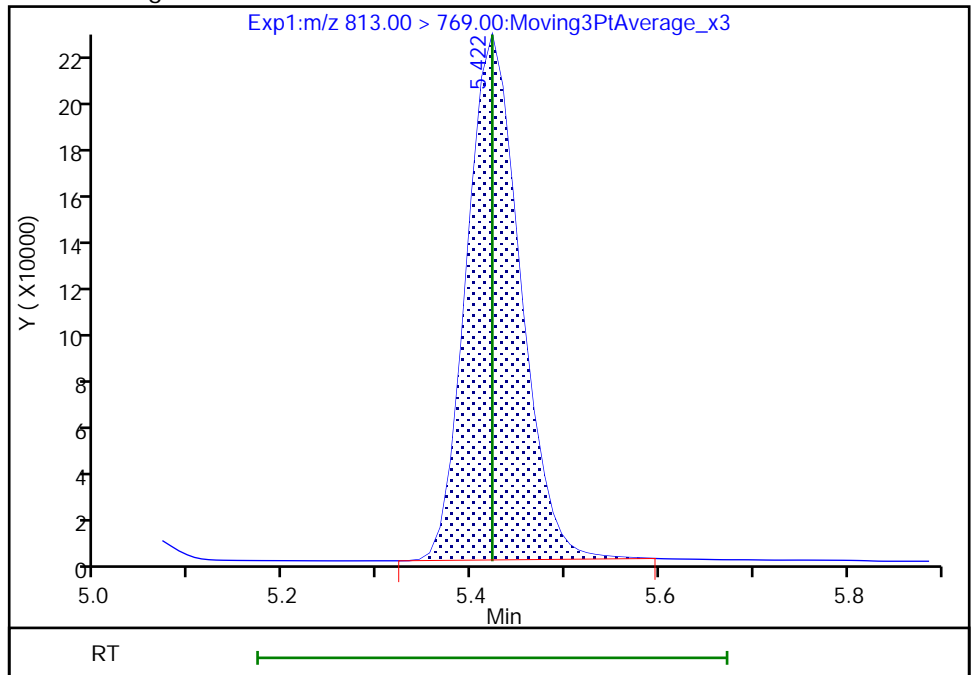
RT: 5.42
Area: 894432
Amount: 1.035439
Amount Units: ng/ml

Processing Integration Results



RT: 5.42
Area: 890409
Amount: 1.015057
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:51:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

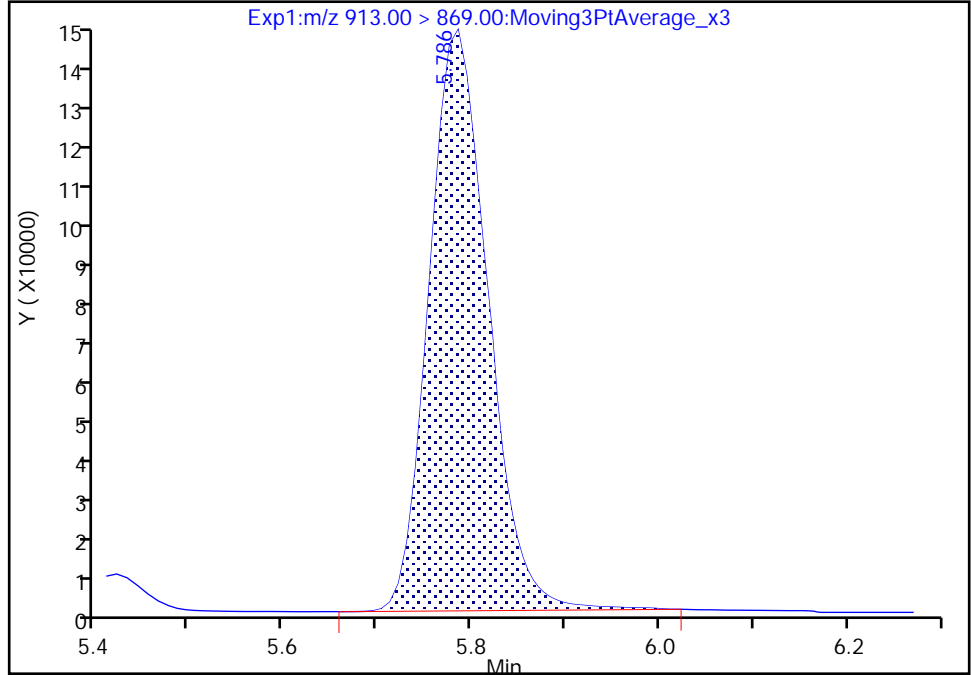
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

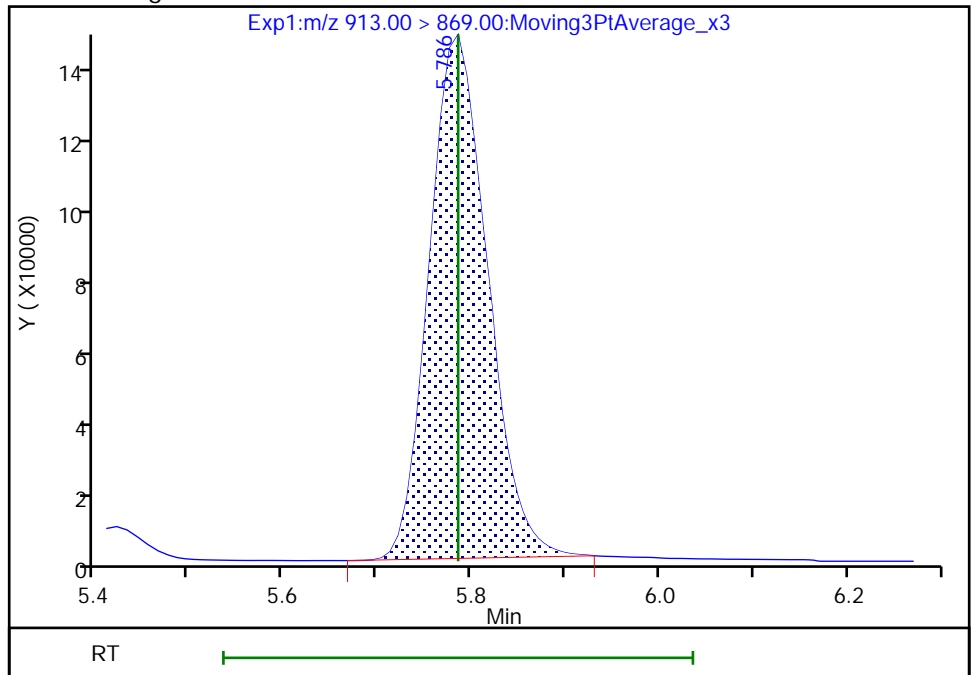
RT: 5.79
Area: 630547
Amount: 0.955708
Amount Units: ng/ml

Processing Integration Results



RT: 5.79
Area: 621162
Amount: 0.971577
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

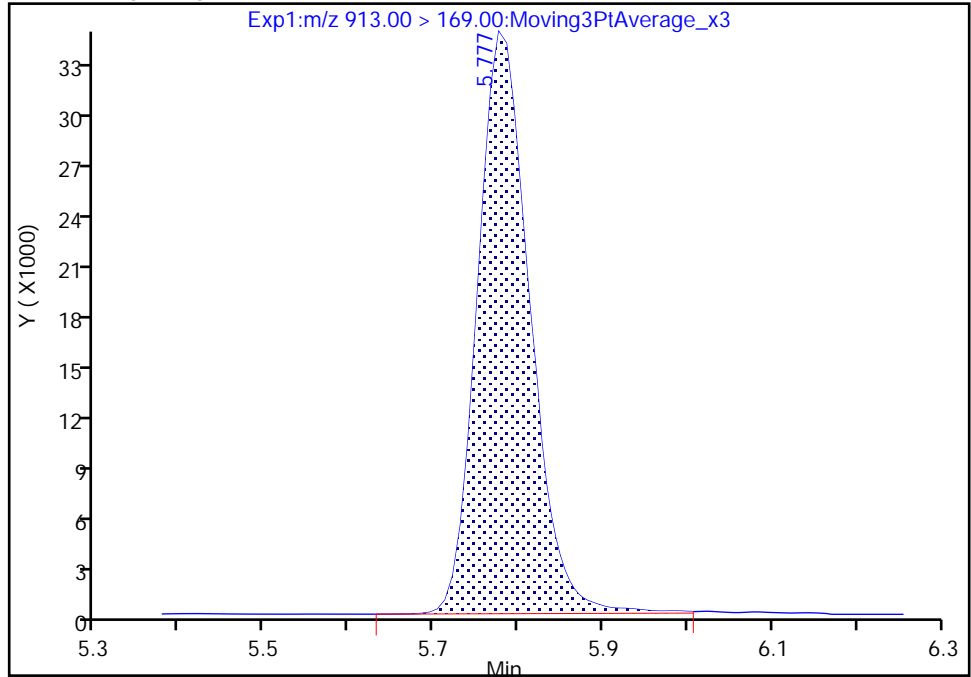
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

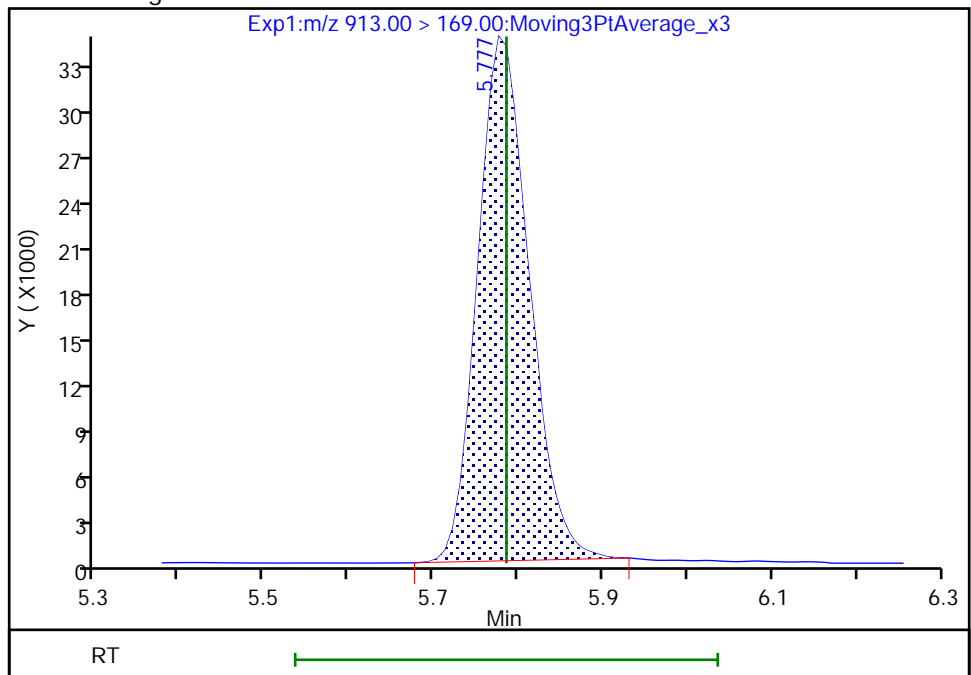
RT: 5.78
Area: 146878
Amount: 0.955708
Amount Units: ng/ml

Processing Integration Results



RT: 5.78
Area: 144019
Amount: 0.971577
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:51:10

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 03-Aug-2022 13:33:00 ALS Bottle#: 6 Worklist Smp#: 9
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 200-0051940-009 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 03-Aug-2022 14:25:30 Calib Date: 03-Aug-2022 13:41:11
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1672

First Level Reviewer: Z1IP Date: 03-Aug-2022 14:01:20

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										M
217.00 > 172.00	2.085	2.085	0.0	0.597	1857803	1.24		98.9	8594	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.085	0.0	1.000	3187659	2.21		88.5	417	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.400	0.0	0.688	1404065	1.21		97.2	3066	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.400	2.400	0.0	1.000	2656548	2.29		91.8	111	
D 47 13C3 PFBS										
301.90 > 80.00	2.413	2.413	0.0	0.691	1554917	1.16		100	252152	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.426	2.413	0.013	1.006	2999148	2.03	Target=2.18	91.9	2502	M
298.90 > 99.00	2.426	2.413	0.013	1.006	1400745		2.14(1.09-3.28)	91.9	1144	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.713	2.713	0.0	0.777	134930	1.17		100	152	M
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.713	2.713	0.0	1.000	611993	2.23		95.4	2786	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.762	2.750	0.012	1.004	2758598	2.31	Target=12.37	92.5	579	M
313.00 > 119.00	2.762	2.750	0.012	1.004	215969		12.77(6.19-18.56)	92.5	317	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.749	2.750	-0.001	0.788	1429283	1.24		99.1	2346	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.762	2.762	0.0	0.885	2602336	2.16	Target=3.00	92.0	2303	M
349.00 > 99.00	2.762	2.762	0.0	0.885	898623		2.90(1.50-4.50)	92.0	1451	
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.871	2.859	0.012	0.823	269301	1.24		99.2	2239	

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	2.871	2.859	0.012	1.000	526717	2.28		91.0	1978	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.132	3.121	0.011	0.897	1462731	1.22		97.7	2802	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.132	3.121	0.011	1.000	2794876	2.32	Target=3.68	92.7	624	M
363.00 > 169.00	3.132	3.121	0.011	1.000	738346		3.79(1.84-5.52)	92.7	784	M
D 11 18O2 PFHxS										M
403.00 > 84.00	3.121	3.121	0.0	0.894	1100091	1.17		98.9	1693	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.121	3.121	0.0	1.000	2100026	2.05	Target=3.52	90.0	1379	M
399.00 > 99.00	3.121	3.121	0.0	1.000	613809		3.42(1.76-5.27)	90.0	626	M
77 DONA										M
377.00 > 251.00	3.165	3.165	0.0	0.833	6067195	2.13	Target=2.78	90.6	1751	M
377.00 > 85.00	3.165	3.165	0.0	0.833	2193406		2.77(1.39-4.17)	90.6	1197	M
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.472	3.474	-0.002	0.995	182060	1.16		97.4	503	M
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.472	3.474	-0.002	1.000	517908	2.30		97.1	474	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.472	3.474	-0.002	0.914	1868882	2.19	Target=4.99	92.1	1851	M
449.00 > 99.00	3.472	3.474	-0.002	0.914	388606		4.81(2.50-7.49)	92.1	1175	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.490	3.482	0.008	1.002	3024763	2.27	Target=2.64	90.8	316	M
413.00 > 169.00	3.481	3.482	-0.001	1.000	1134261		2.67(1.32-3.96)	90.8	1376	M
D 14 13C4 PFOA										M
417.00 > 372.00	3.481	3.482	-0.001	0.998	1484954	1.21		96.8	1580	M
* 62 13C2 PFOA										M
415.00 > 370.00	3.490	3.482	0.008		1609879	1.25			1807	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.801	3.802	-0.001	1.000	1565335	2.26	Target=4.77	97.5	714	M
499.00 > 99.00	3.801	3.802	-0.001	1.000	335836		4.66(2.38-7.15)	97.5	763	M
D 18 13C4 PFOS										M
503.00 > 80.00	3.801	3.802	-0.001	1.089	824732	1.17		98.2	1613	M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.821	3.822	-0.001	1.000	2908604	2.30	Target=7.92	92.2	861	
463.00 > 169.00	3.821	3.822	-0.001	1.000	369381		7.87(3.96-11.88)	92.2	994	M
D 19 13C5 PFNA										
468.00 > 423.00	3.821	3.822	-0.001	1.095	1550788	1.22		97.4	2911	
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.969	3.969	0.0	1.044	2607229	2.14		91.8	2633	M
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.104	4.093	0.011	1.080	1207870	2.24	Target=2.52	93.1	1449	M
549.00 > 99.00	4.104	4.093	0.011	1.080	477549		2.53(1.26-3.78)	93.1	1581	M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.138	4.127	0.011	1.000	399769	2.28		95.1	1055	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	4.127	4.127	0.0	1.000	2964619	2.40	Target=9.74	95.8	1253	M
513.00 > 169.00	4.127	4.127	0.0	1.000	311853		9.51(4.87-14.60)	95.8	1256	M
D 23 13C2 PFDA										M
515.00 > 470.00	4.127	4.127	0.0	1.183	1471206	1.19		95.0	1753	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.138	4.138	0.0	1.186	217682	1.15		95.9	881	
D 21 13C8 FOSA										M
506.00 > 78.00	4.184	4.173	0.011	1.199	1316398	1.21		97.1	1335	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.184	4.173	0.011	1.000	2577197	2.40		96.1	1784	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.273	4.273	0.0	1.000	350351	2.40		95.9	733	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.273	4.273	0.0	1.224	205583	1.24		99.0	317	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.376	4.365	0.011	1.151	934202	2.32	Target=2.62	96.4	1664	M
599.00 > 99.00	4.376	4.365	0.011	1.151	353361		2.64(1.31-3.93)	96.4	916	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.398	4.399	-0.001	1.260	1162923	1.24		99.1	1776	M
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.398	4.399	-0.001	1.000	2312817	2.35	Target=8.83	93.9	1168	M
563.00 > 169.00	4.398	4.399	-0.001	1.000	264049		8.76(4.41-13.24)	93.9	1477	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.410	4.410	0.0	1.000	329631	2.32		92.9	645	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.410	4.410	0.0	1.264	195385	1.24		99.4	775	
66 11-Chloroeicosafuoro-3-oxaundec										M
631.00 > 451.00	4.504	4.491	0.013	1.185	3478140	2.19		93.1	1902	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.633	4.633	0.0	1.327	1195679	1.23		98.3	2245	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.643	4.633	0.010	1.002	2257049	2.33	Target=6.63	93.1	303	M
613.00 > 169.00	4.633	4.633	0.0	1.000	334655		6.74(3.32-9.95)	93.1	1448	M
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.663	4.654	0.009	1.127	188626	2.30		95.4	1150	
75 Perfluorododecanesulfonic acid (M
699.00 > 80.00	4.825	4.813	0.011	1.269	396436	2.22	Target=0.54	91.8	1233	M
699.00 > 99.00	4.825	4.813	0.011	1.269	734014		0.54(0.27-0.81)	91.8	1473	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.859	4.859	0.0	1.049	1962703	2.33	Target=4.62	93.4	317	M
663.00 > 169.00	4.859	4.859	0.0	1.049	432883		4.53(2.31-6.94)	93.4	1242	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.062	5.052	0.010	1.450	979883	1.23		98.5	1469	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.062	5.052	0.010	1.000	297564	2.37	Target=0.94	94.8	1044	M
713.00 > 219.00	5.052	5.052	0.0	0.998	304623		0.98(0.47-1.41)	94.8	1289	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	5.422	5.422	0.0	1.000	1990402	2.46	Target=4.40	98.3	399	M
813.00 > 169.00	5.422	5.422	0.0	1.000	458670		4.34(2.20-6.59)	98.3	1612	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.422	5.422	0.0	1.554	1123333	1.24		99.2	4304	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.785	5.786	-0.001	1.067	1396187	2.34	Target=4.42	93.5	266	M
913.00 > 169.00	5.785	5.786	-0.001	1.067	315550		4.42(2.21-6.63)	93.5	616	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC5_00028

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromf\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d

Injection Date: 03-Aug-2022 13:33:00

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

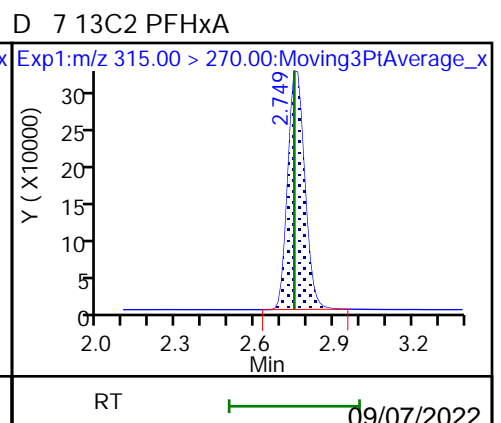
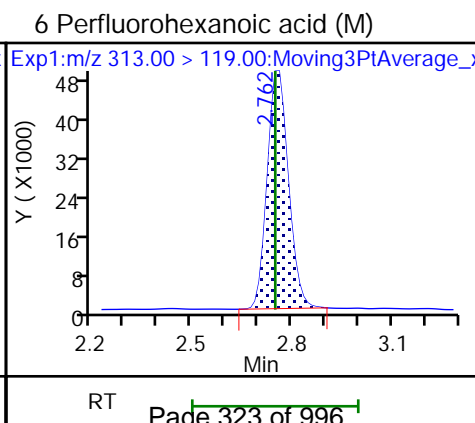
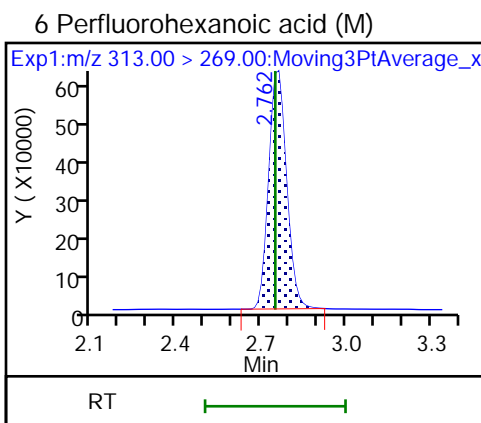
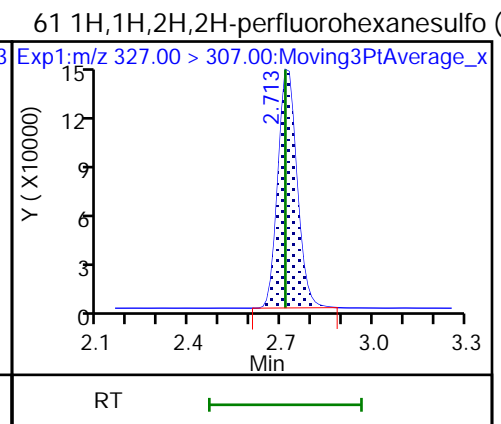
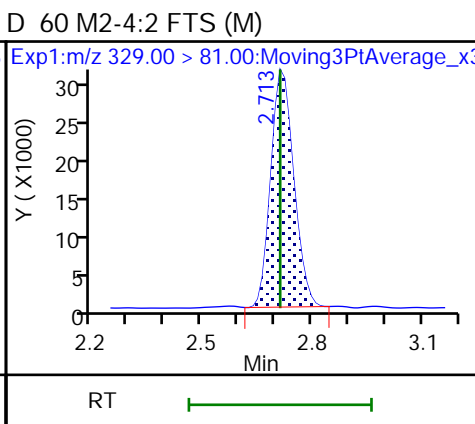
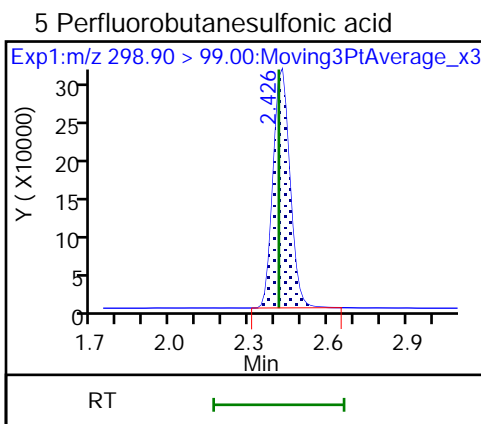
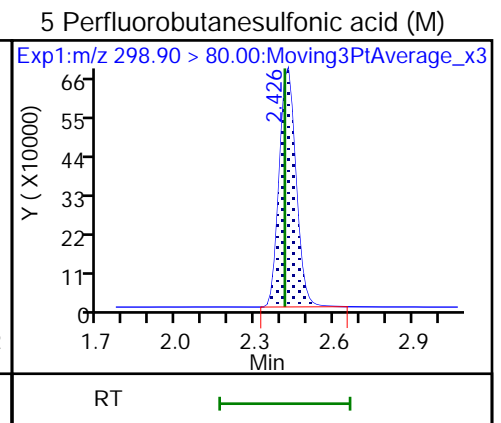
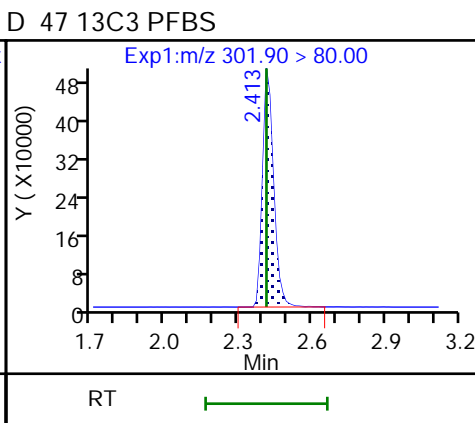
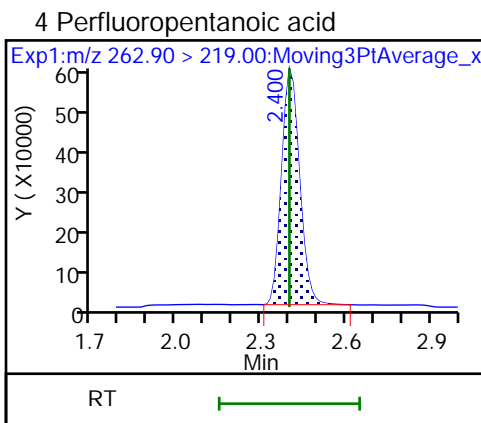
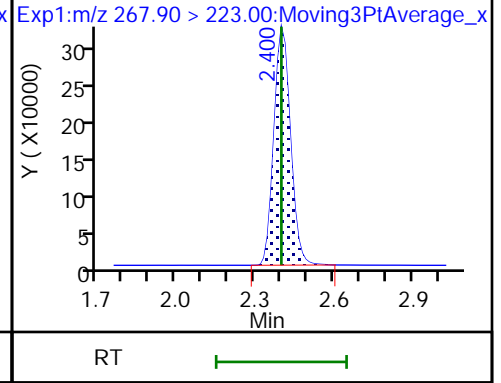
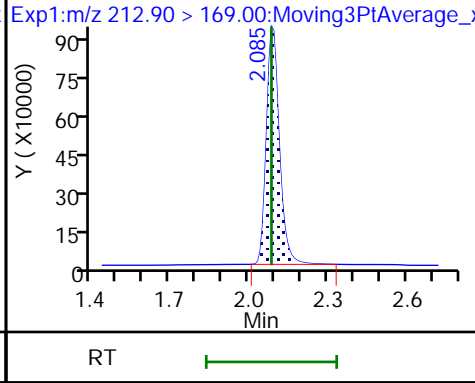
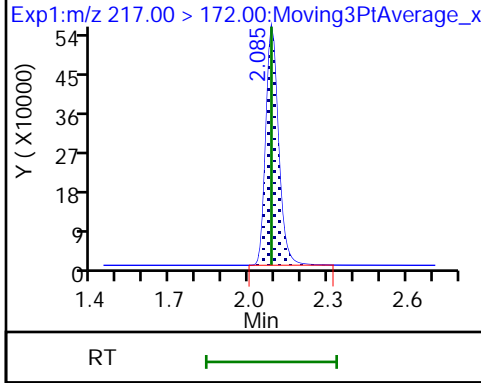
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA (M)

2 Perfluorobutanoic acid (M)

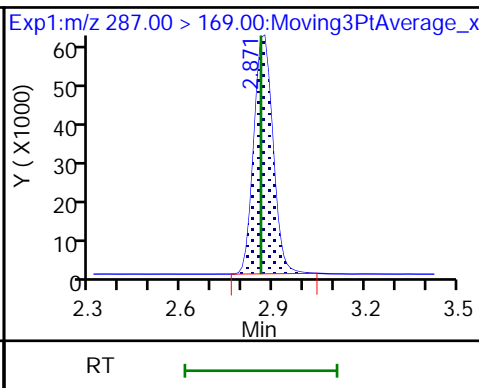
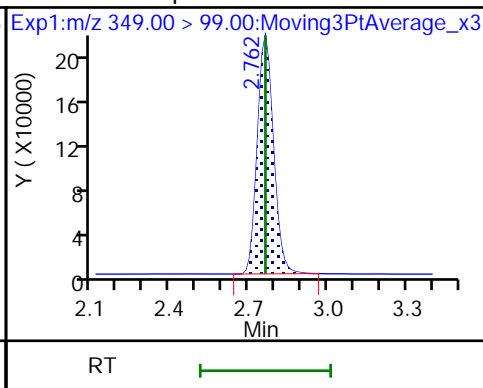
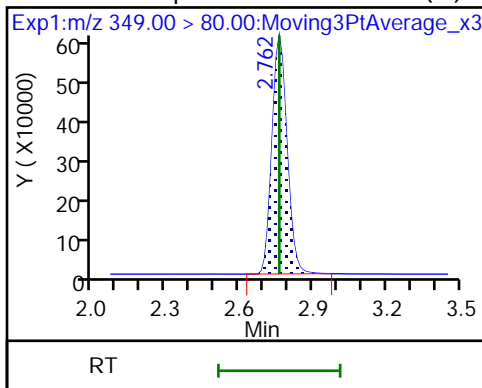
D 3 13C5 PFPeA



70 Perfluoropentanesulfonic acid (M)

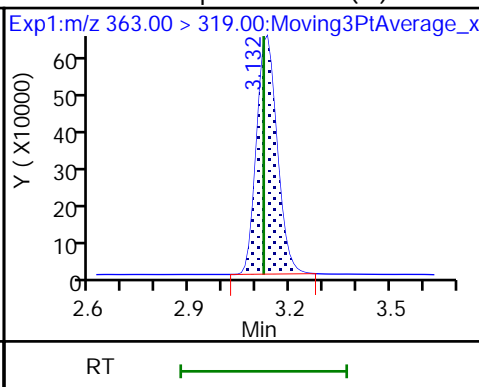
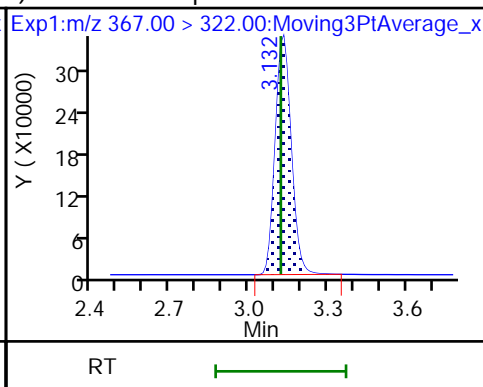
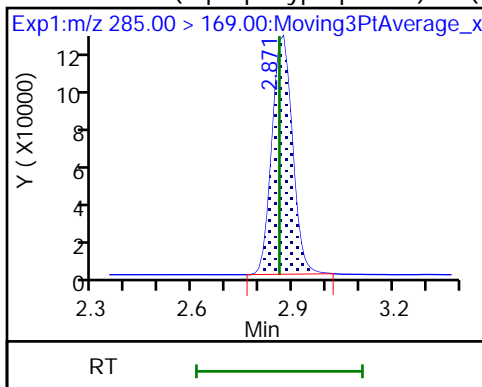
70 Perfluoropentanesulfonic acid

D 64 13C3 HFPO-DA



67 Perfluoro(2-propoxypropanoic) ac (M) 9 13C4 PFHpA

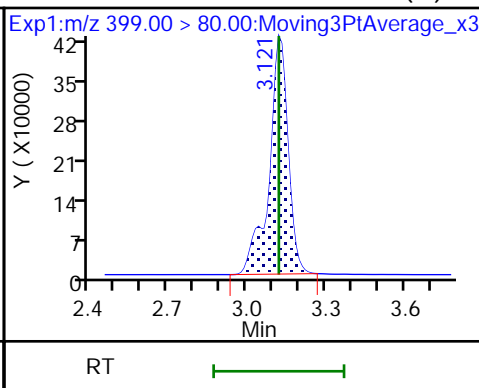
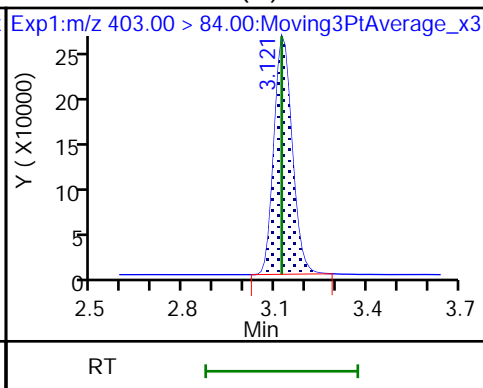
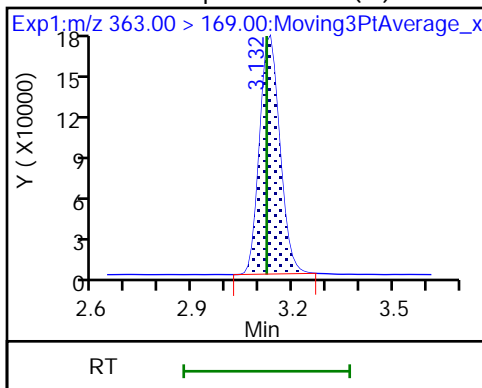
10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid (M)

D 11 18O2 PFHxS (M)

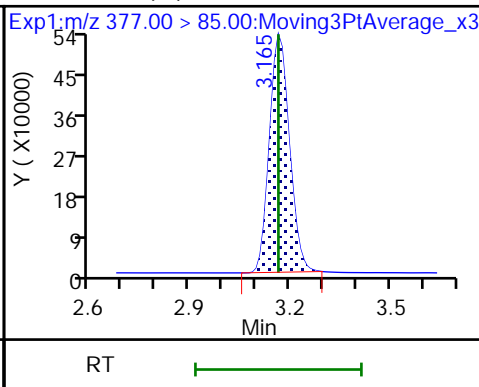
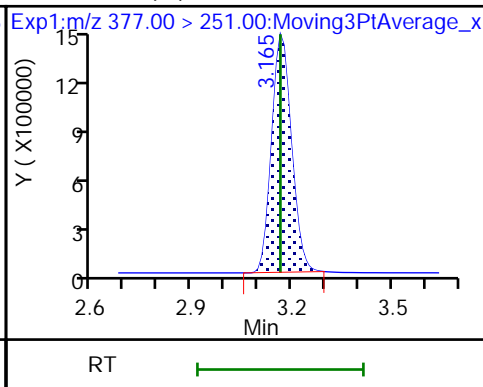
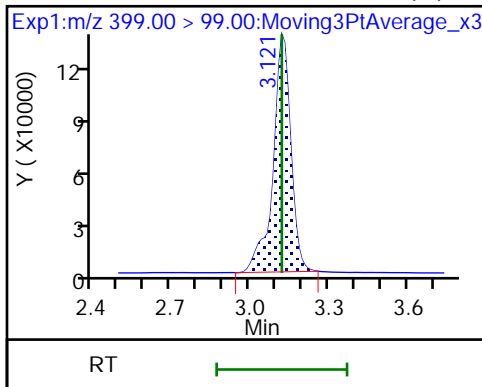
8 Perfluorohexanesulfonic acid (M)



8 Perfluorohexanesulfonic acid (M)

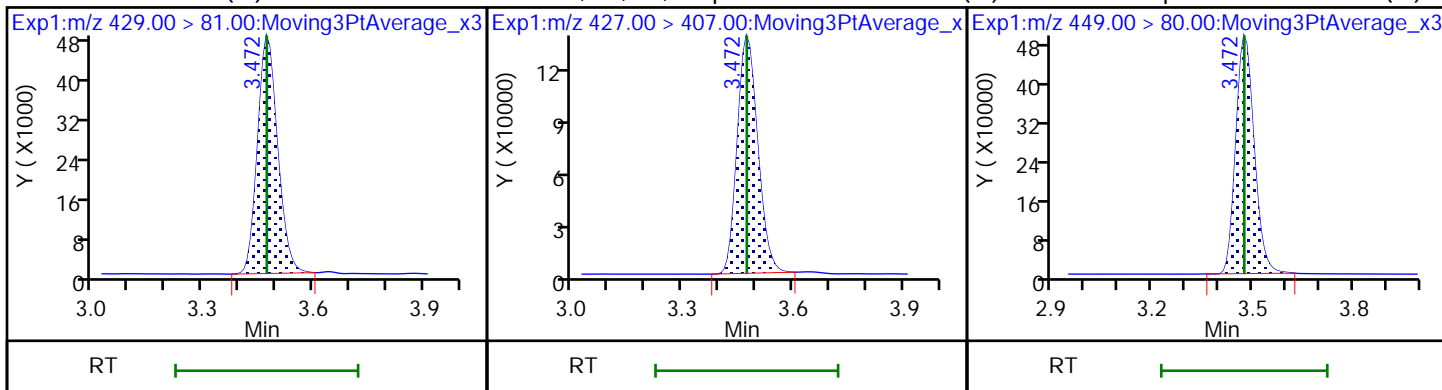
77 DONA (M)

77 DONA (M)



D 12 M2-6:2 FTS (M)

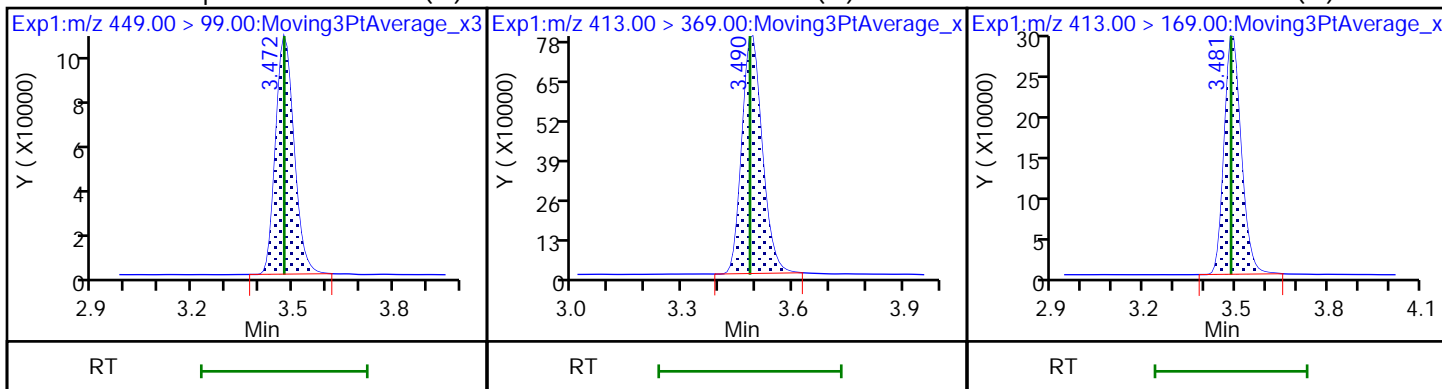
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 6 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

15 Perfluorooctanoic acid (M)

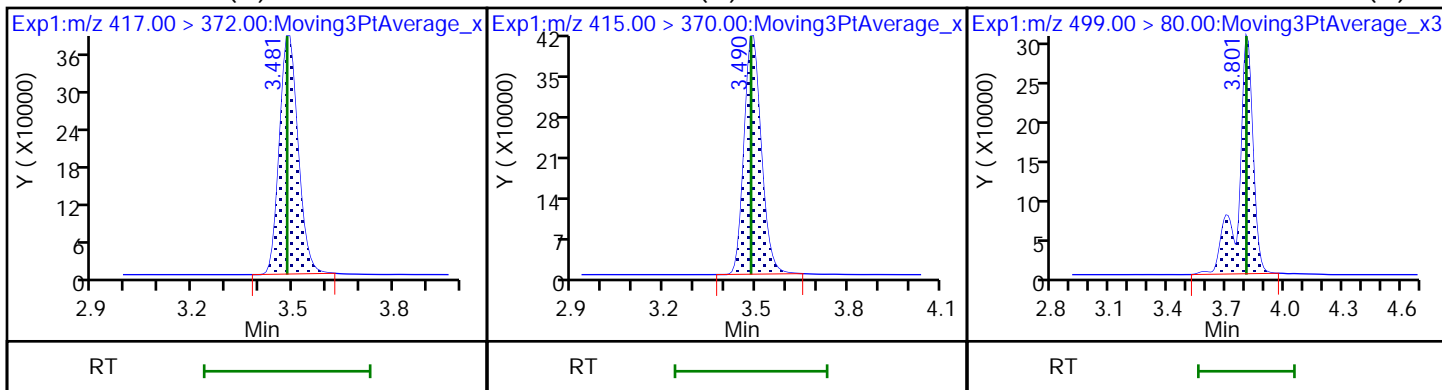
15 Perfluorooctanoic acid (M)



D 14 13C4 PFOA (M)

* 62 13C2 PFOA (M)

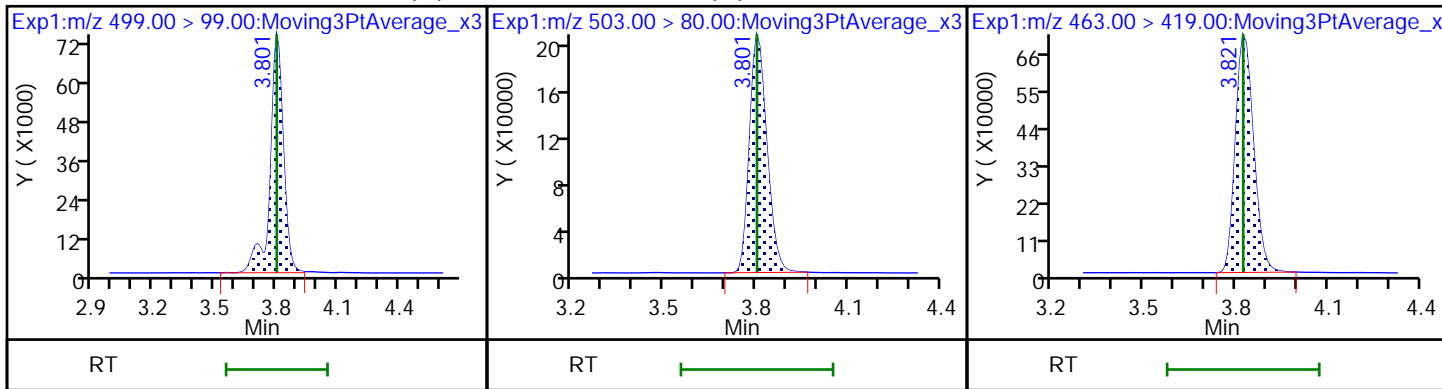
17 Perfluorooctanesulfonic acid (M)

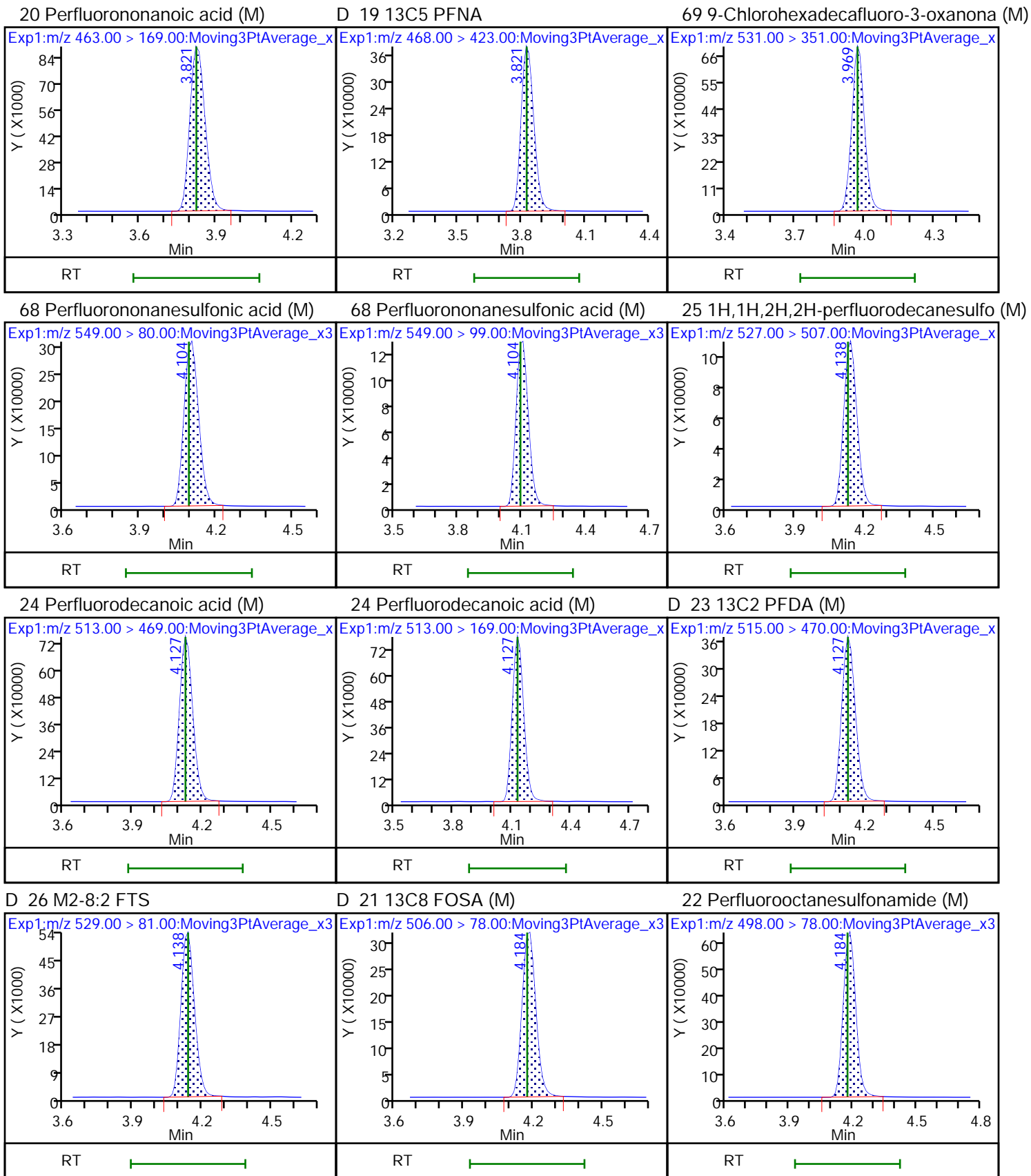


17 Perfluorooctanesulfonic acid (M)

D 18 13C4 PFOS (M)

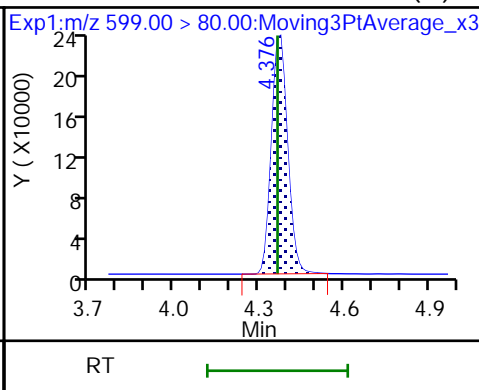
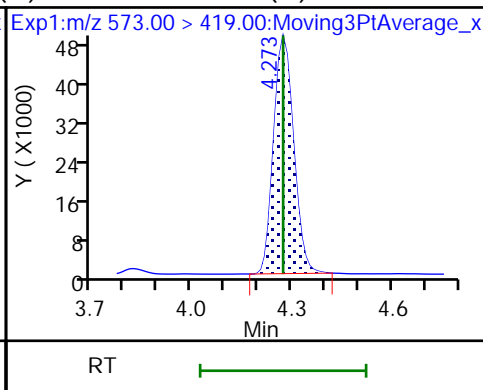
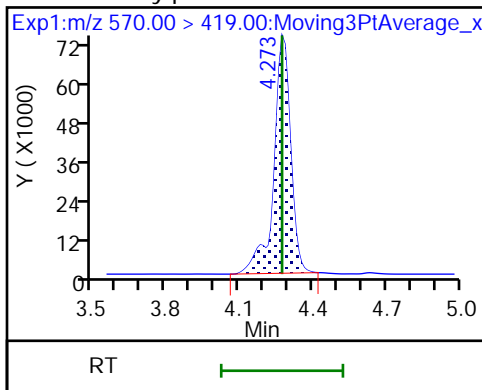
20 Perfluorononanoic acid





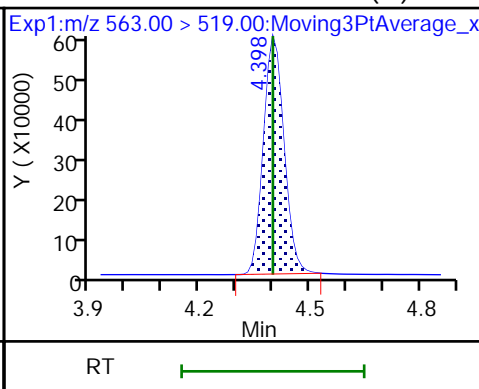
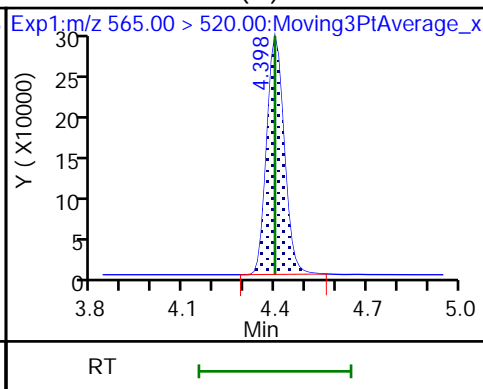
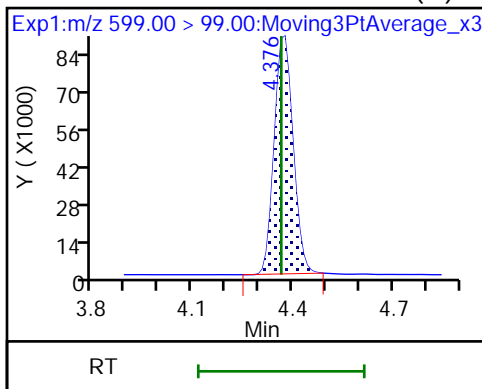
28 N-methylperfluorooctanesulfonami (M) 27 d3-NMeFOSAA (M)

29 Perfluorodecanesulfonic acid (M)



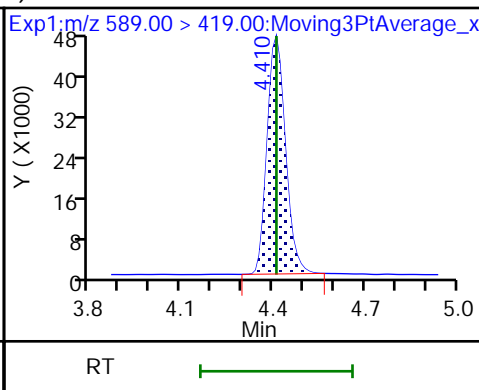
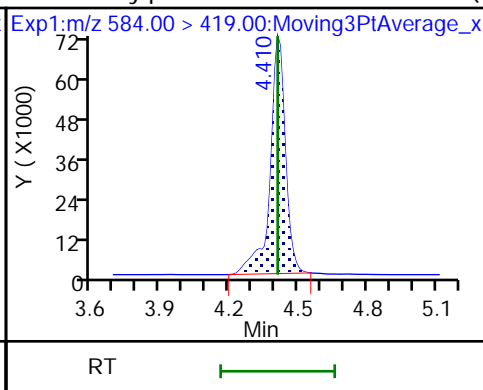
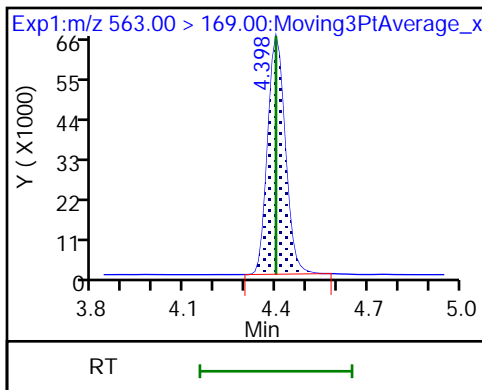
29 Perfluorodecanesulfonic acid (M) D 30 13C2 PFUa (M)

31 Perfluoroundecanoic acid (M)



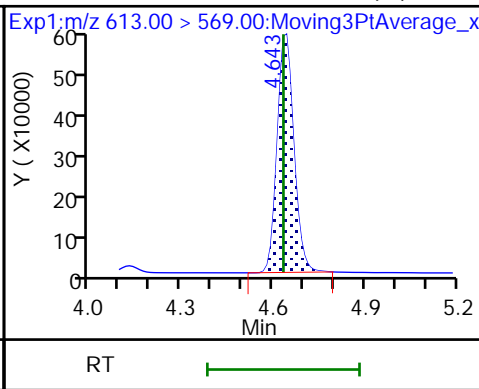
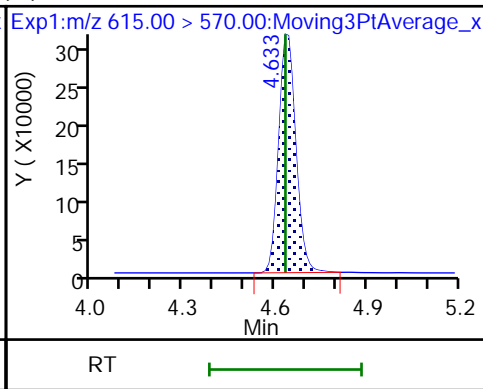
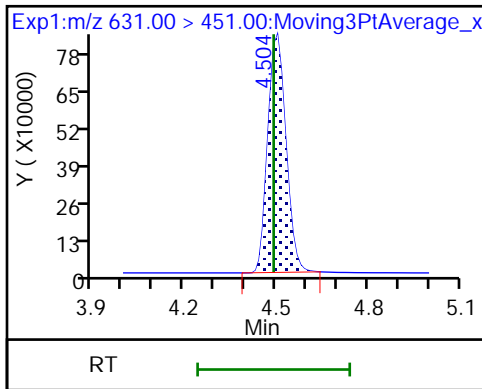
31 Perfluoroundecanoic acid

33 N-ethylperfluorooctanesulfonamid (M) 32 d5-NEtFOSAA



66 11-Chloroeicosafuoro-3-oxaundec (M) 36 13C2 PFDoA

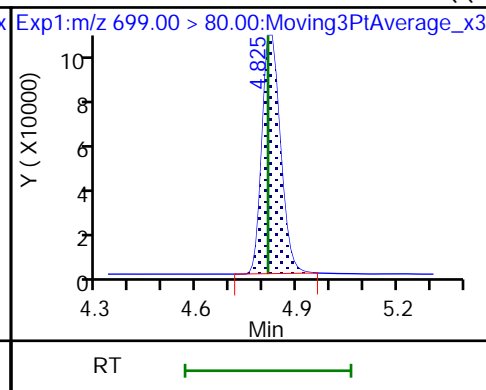
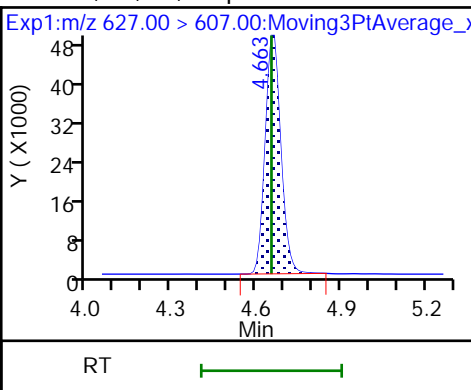
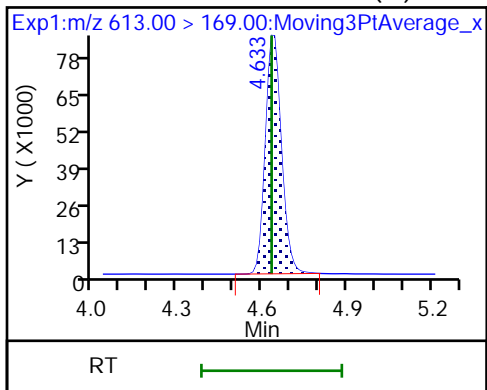
37 Perfluorododecanoic acid (M)



37 Perfluorododecanoic acid (M)

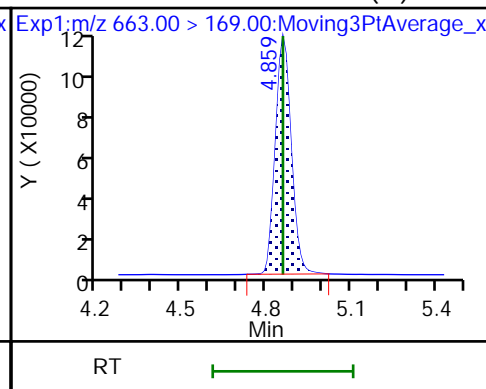
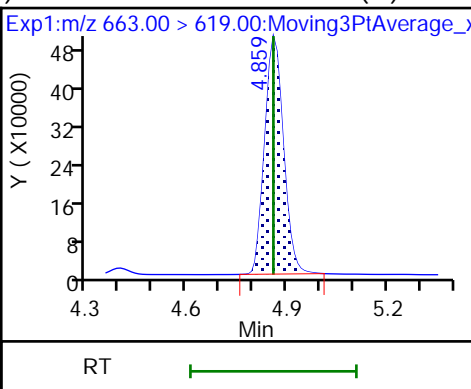
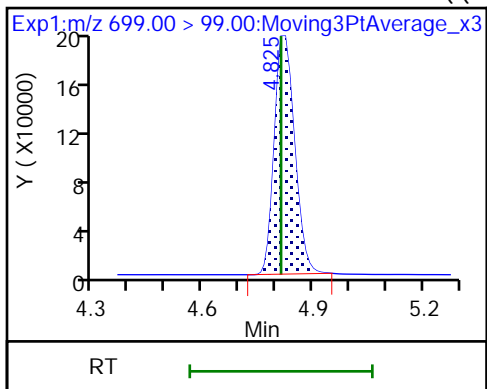
74 1H,1H,2H,2H-perfluorododecanesul

75 Perfluorododecanesulfonic acid ((M)



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

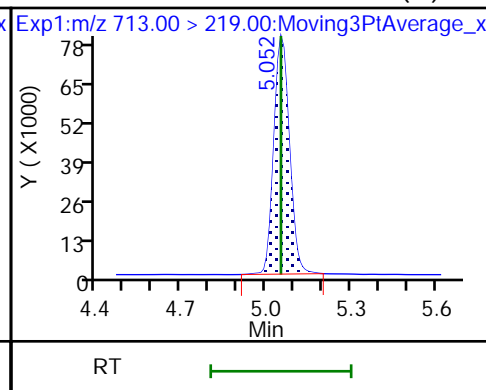
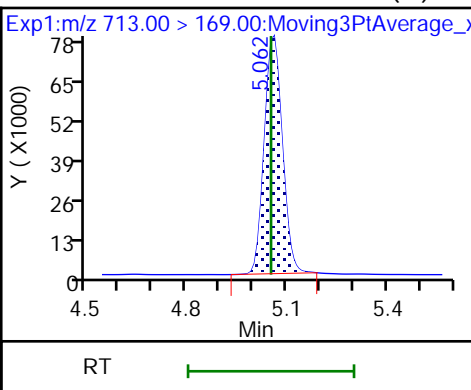
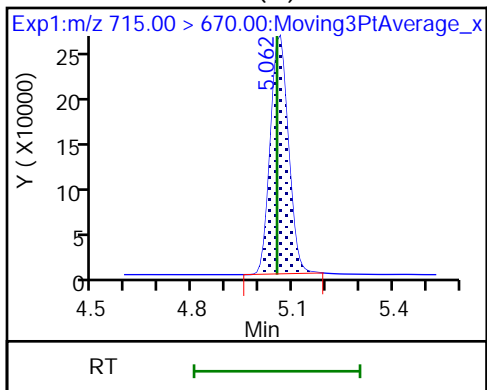
41 Perfluorotridecanoic acid (M)



D 43 13C2 PFTeDA (M)

42 Perfluorotetradecanoic acid (M)

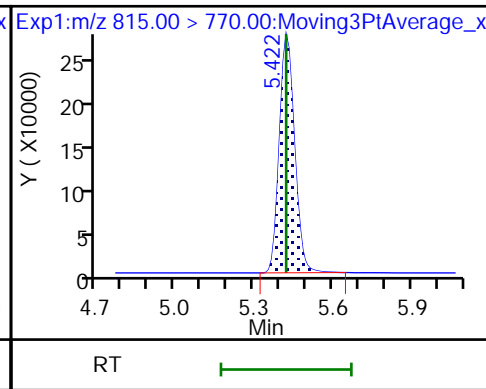
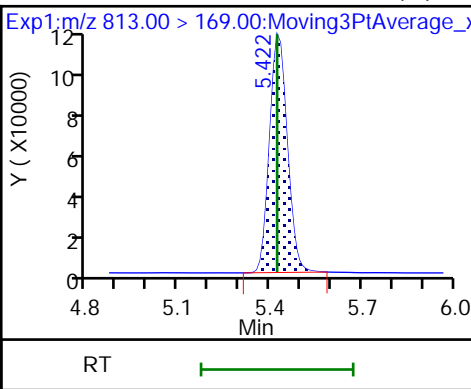
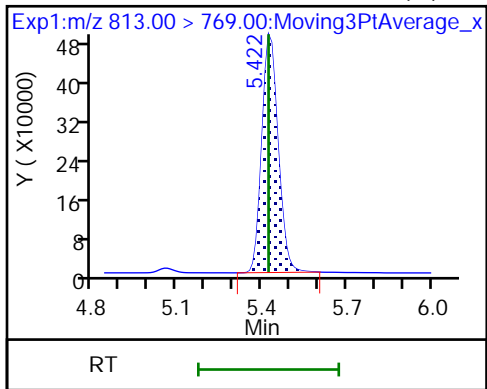
42 Perfluorotetradecanoic acid (M)



45 Perfluorohexadecanoic acid (M)

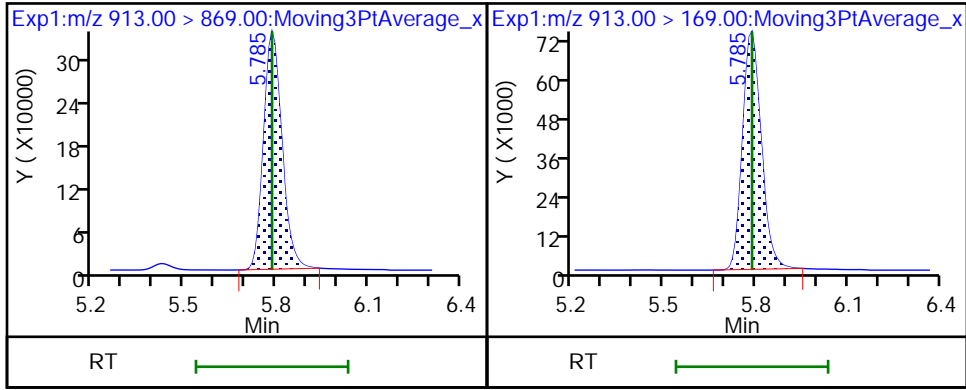
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

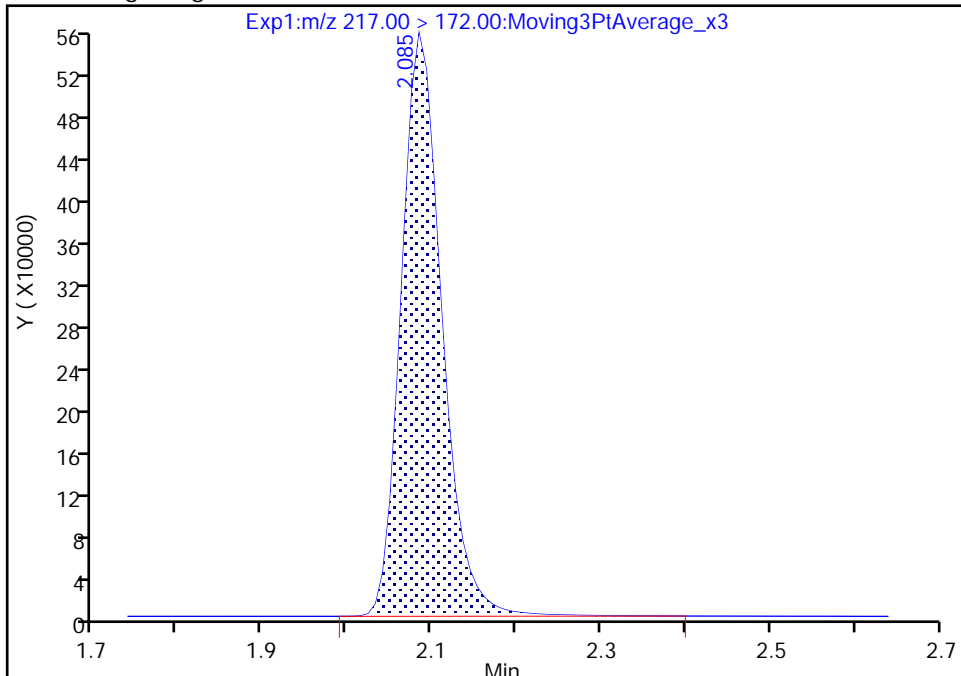
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Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

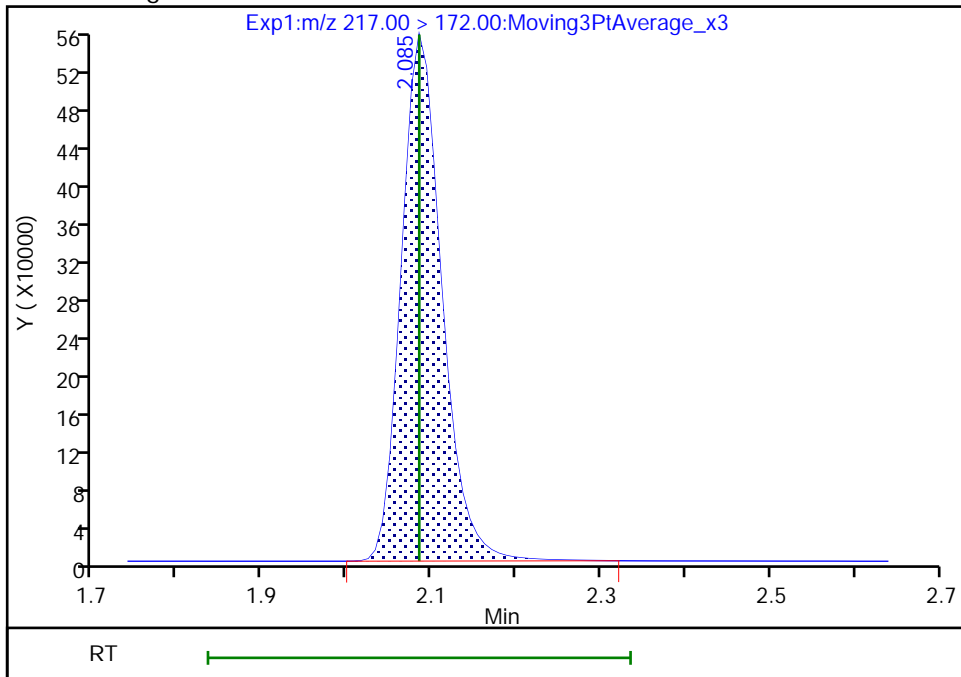
RT: 2.08
Area: 1861121
Amount: 1.242970
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 1857803
Amount: 1.236030
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:52:33
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

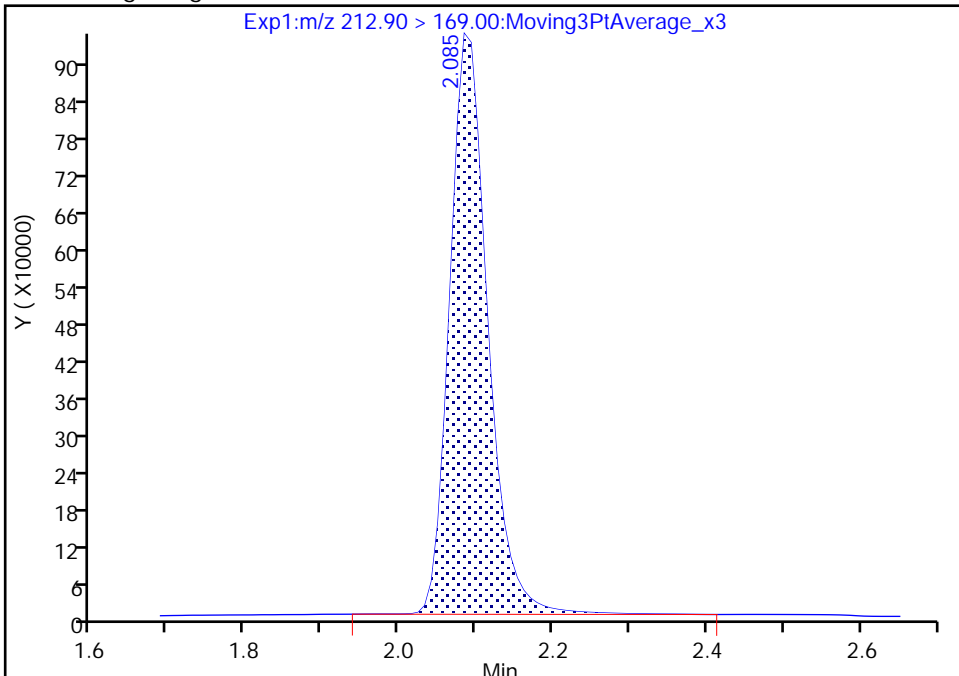
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

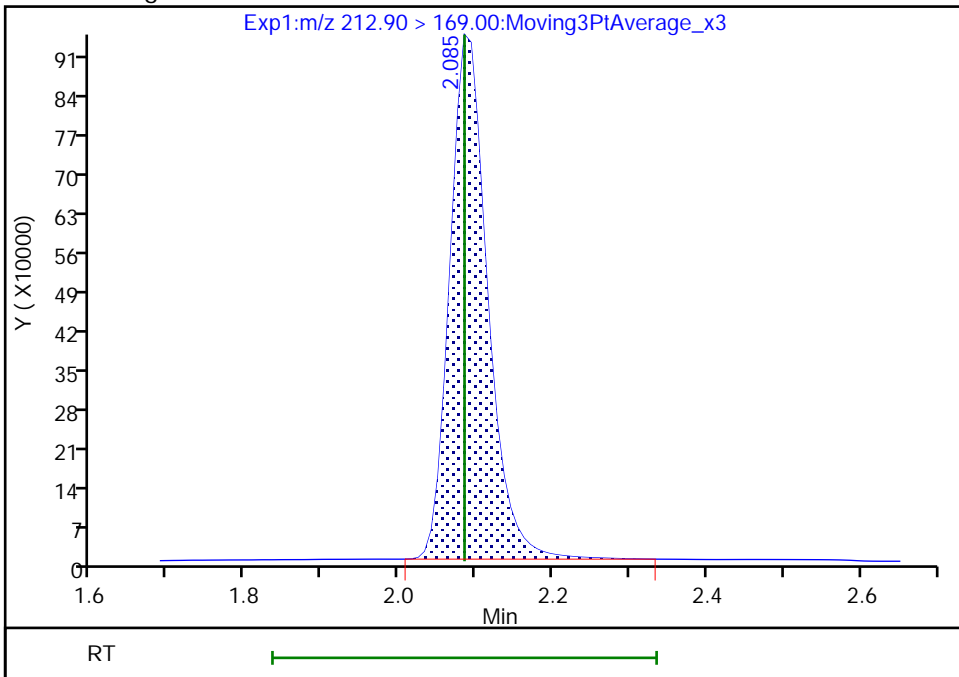
RT: 2.08
Area: 3199209
Amount: 2.224753
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 3187659
Amount: 2.211817
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:52:37
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

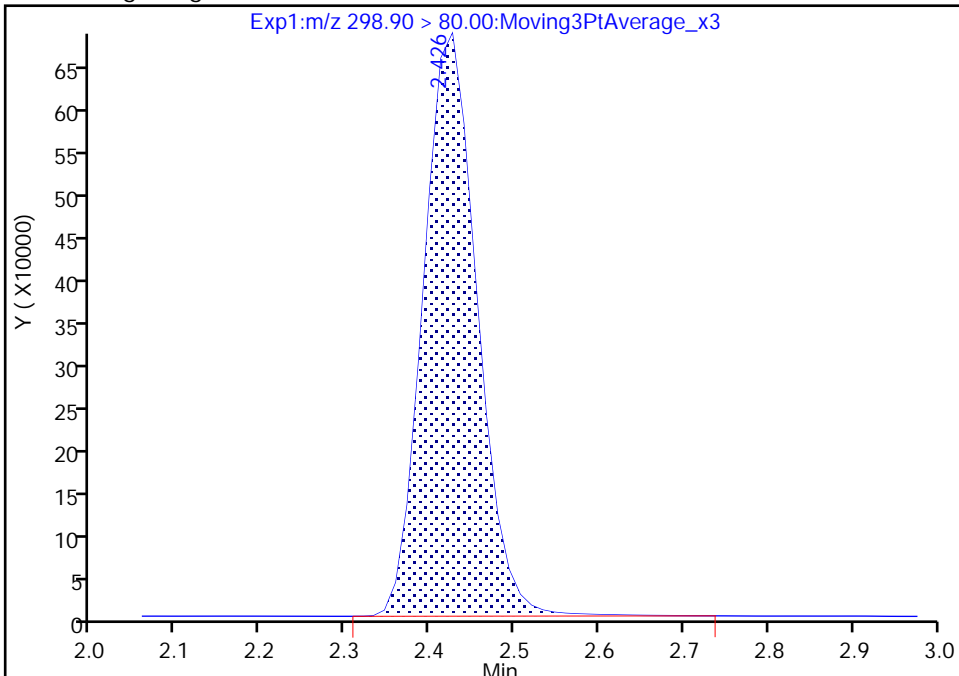
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

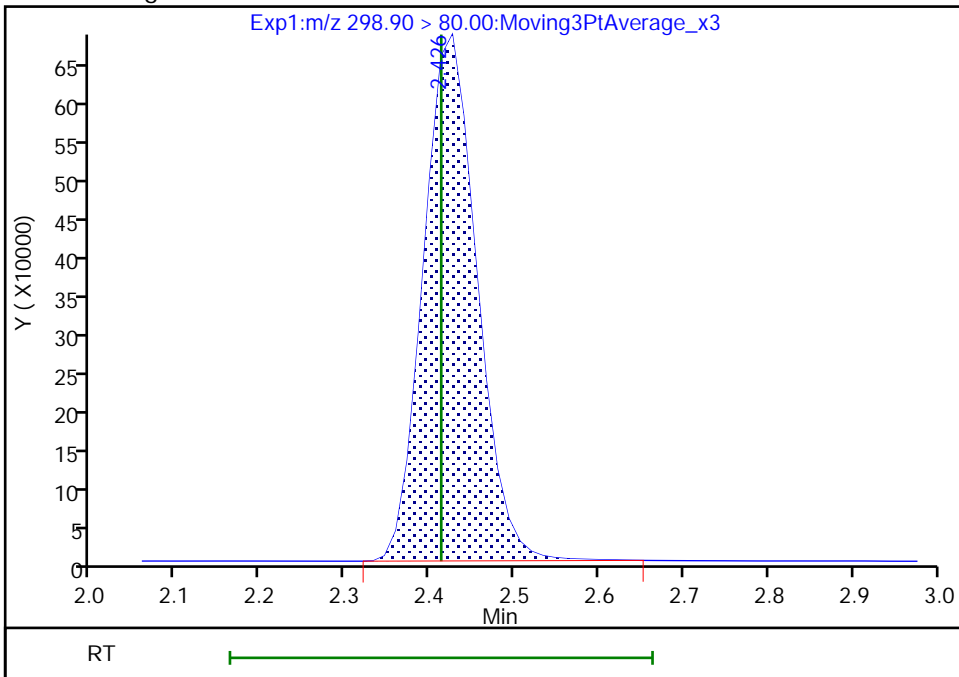
RT: 2.43
Area: 3006403
Amount: 2.042330
Amount Units: ng/ml

Processing Integration Results



RT: 2.43
Area: 2999148
Amount: 2.031310
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:55:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

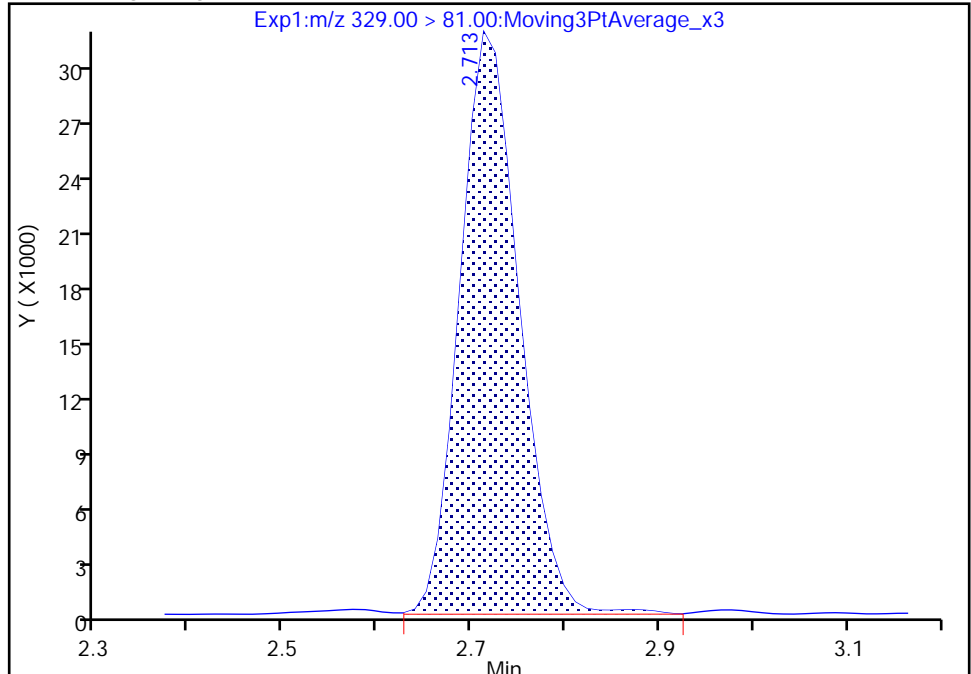
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 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 60 M2-4:2 FTS, CAS: STL02395
Signal: 1

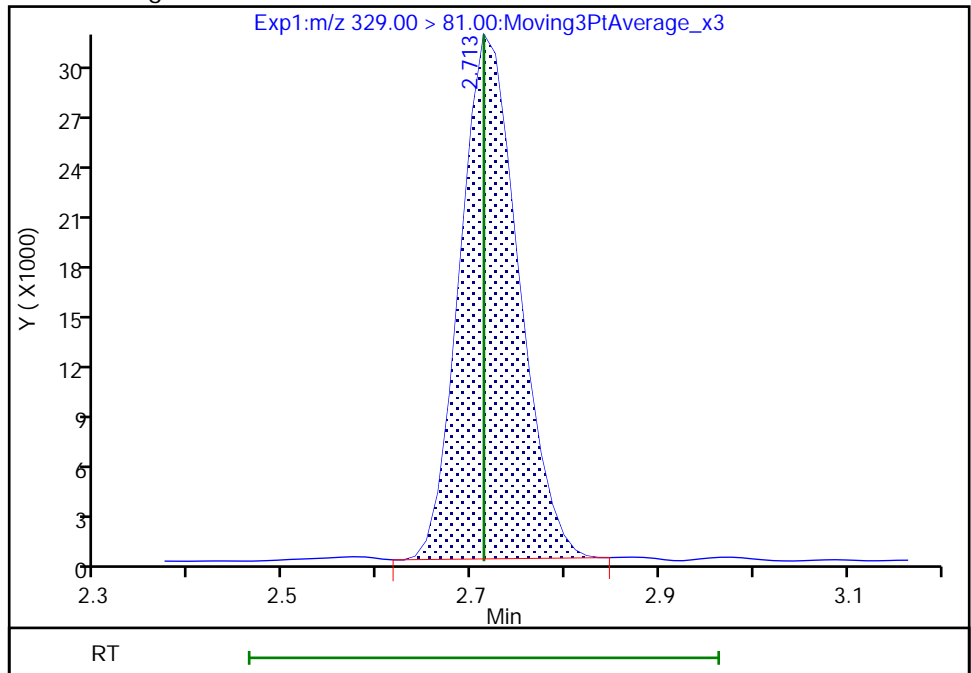
RT: 2.71
Area: 137527
Amount: 1.167094
Amount Units: ng/ml

Processing Integration Results



RT: 2.71
Area: 134930
Amount: 1.171661
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:55:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

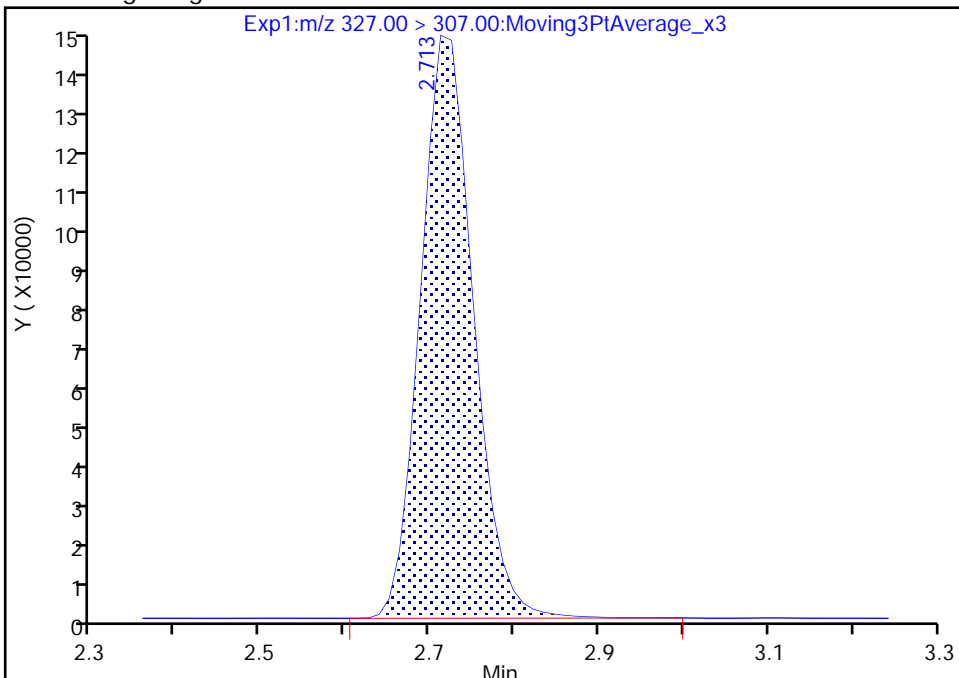
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

61 1H,1H,2H,2H-perfluorohexanesulfo, CAS: 757124-72-4

Signal: 1

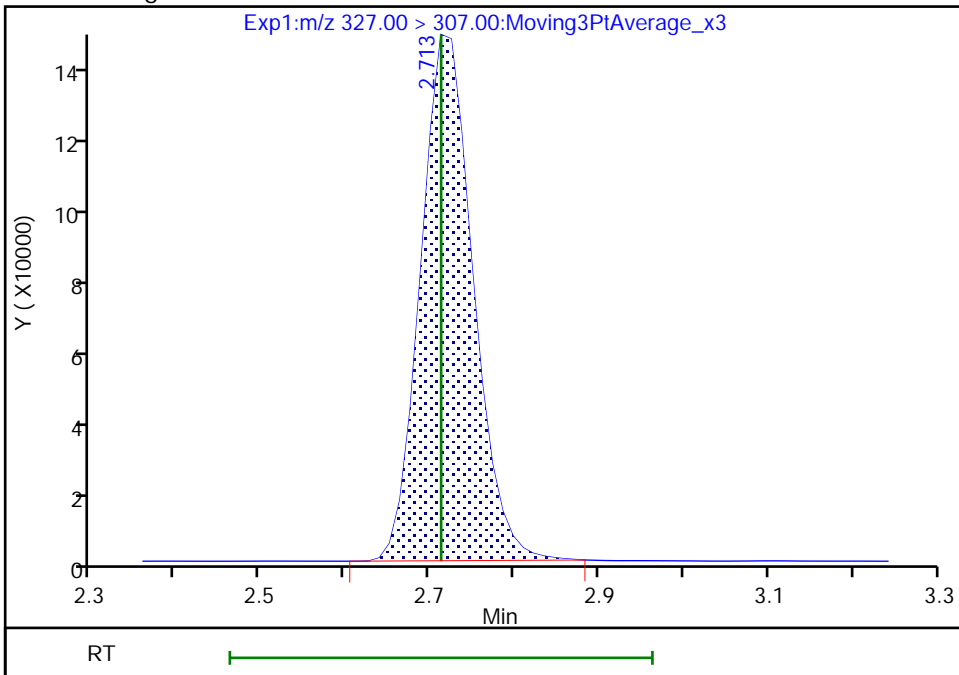
RT: 2.71
Area: 614788
Amount: 2.211290
Amount Units: ng/ml

Processing Integration Results



RT: 2.71
Area: 611993
Amount: 2.227895
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:55:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

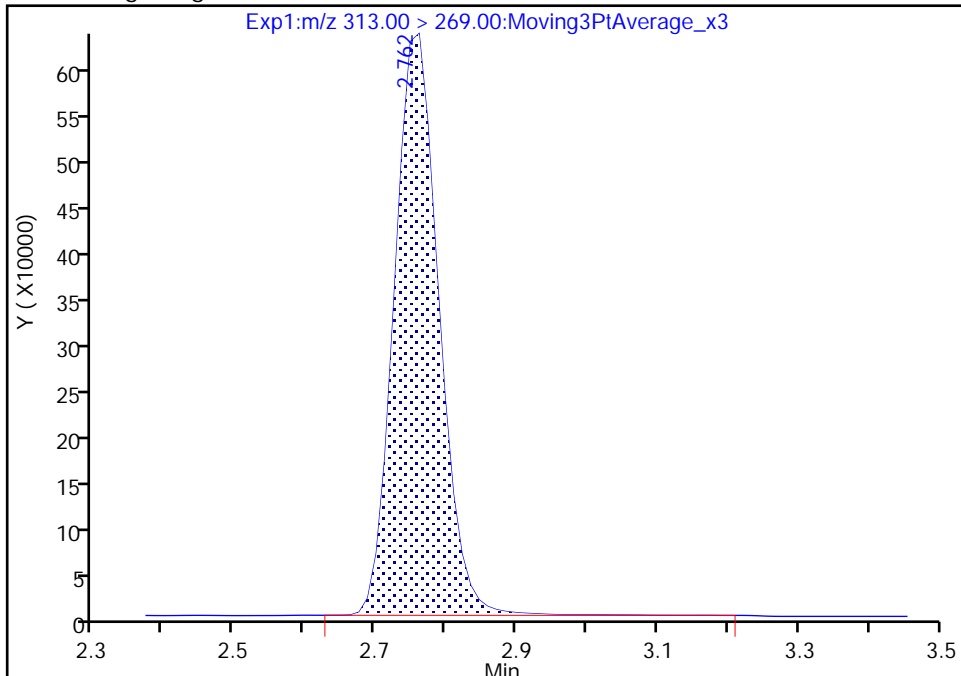
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

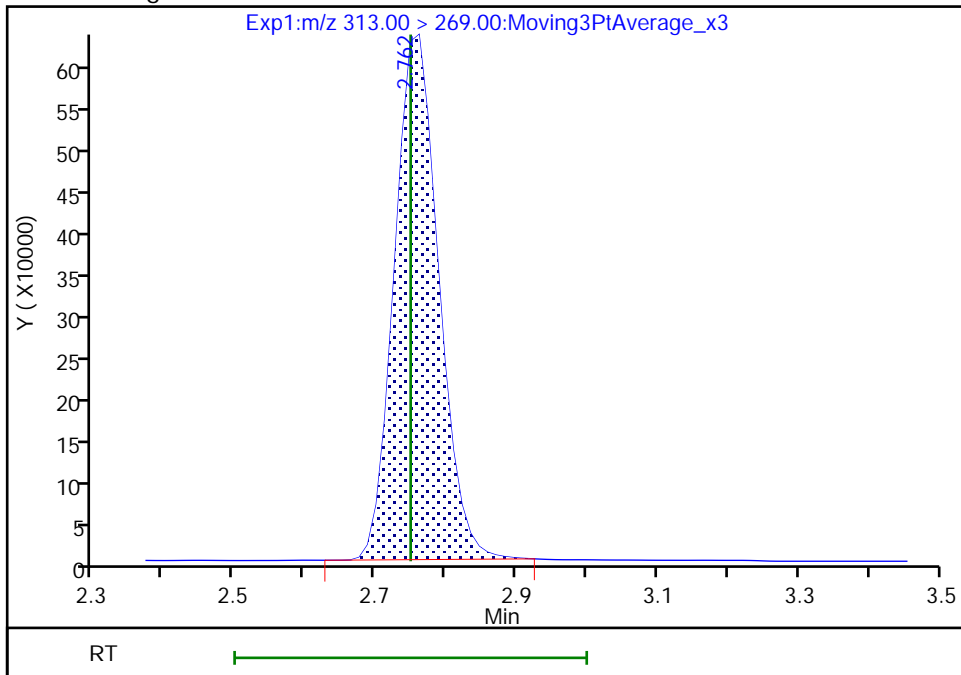
RT: 2.76
Area: 2780993
Amount: 2.310338
Amount Units: ng/ml

Processing Integration Results



RT: 2.76
Area: 2758598
Amount: 2.312091
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

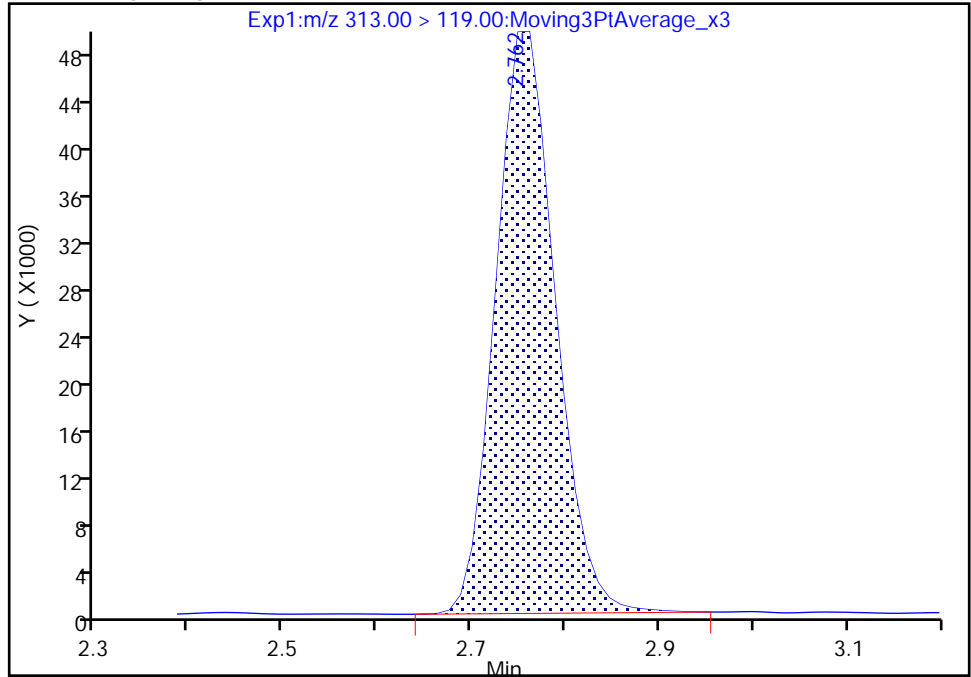
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

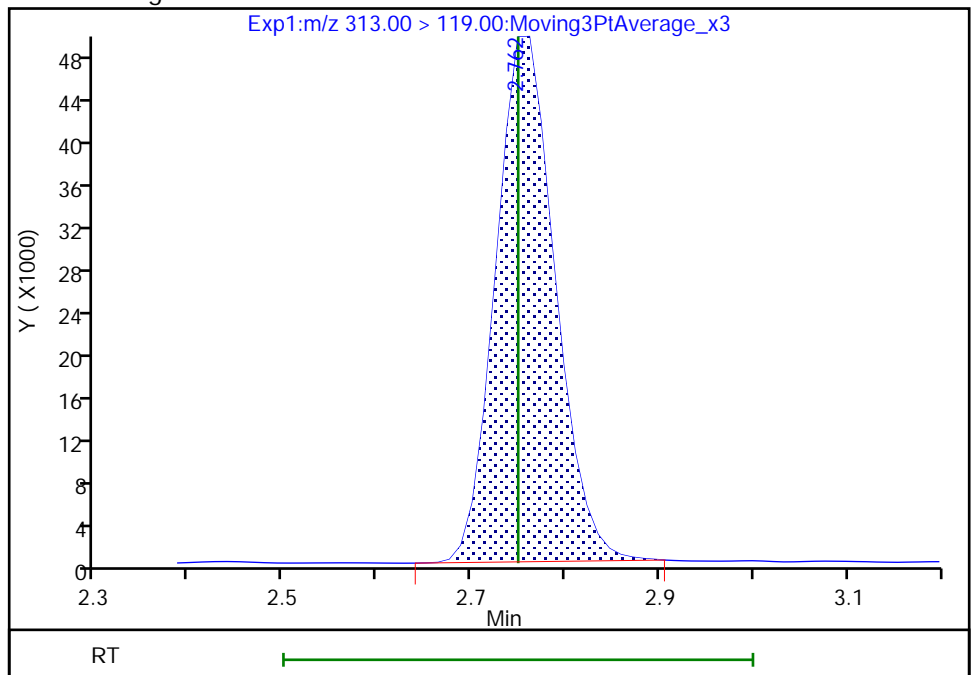
RT: 2.76
Area: 217185
Amount: 2.310338
Amount Units: ng/ml

Processing Integration Results



RT: 2.76
Area: 215969
Amount: 2.312091
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:55:24

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

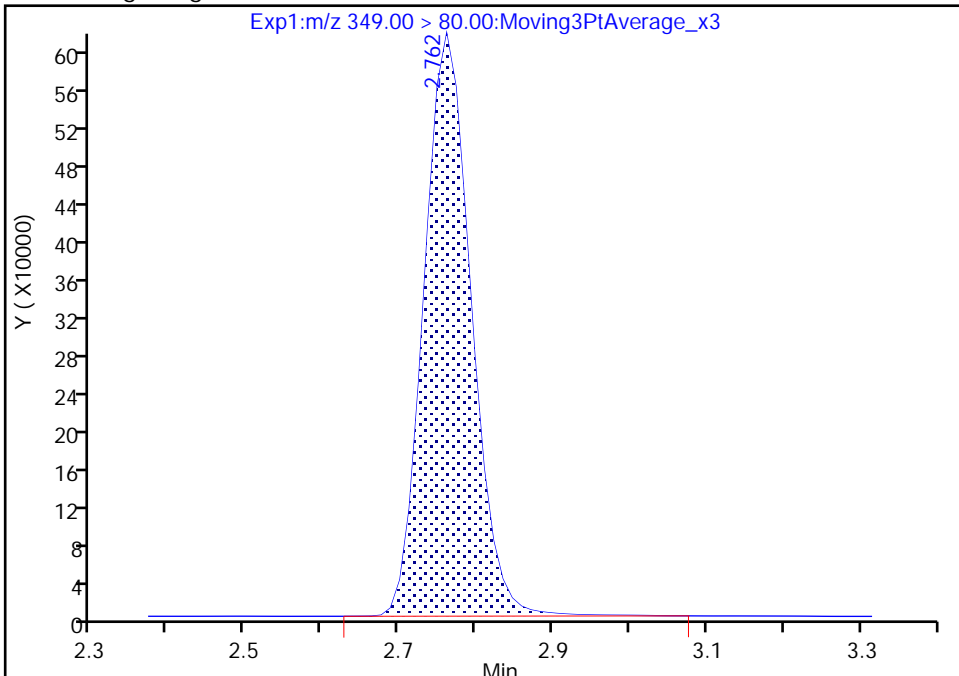
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d		
Injection Date:	03-Aug-2022 13:33:00	Instrument ID:	LC812
Lims ID:	IC		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	9

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

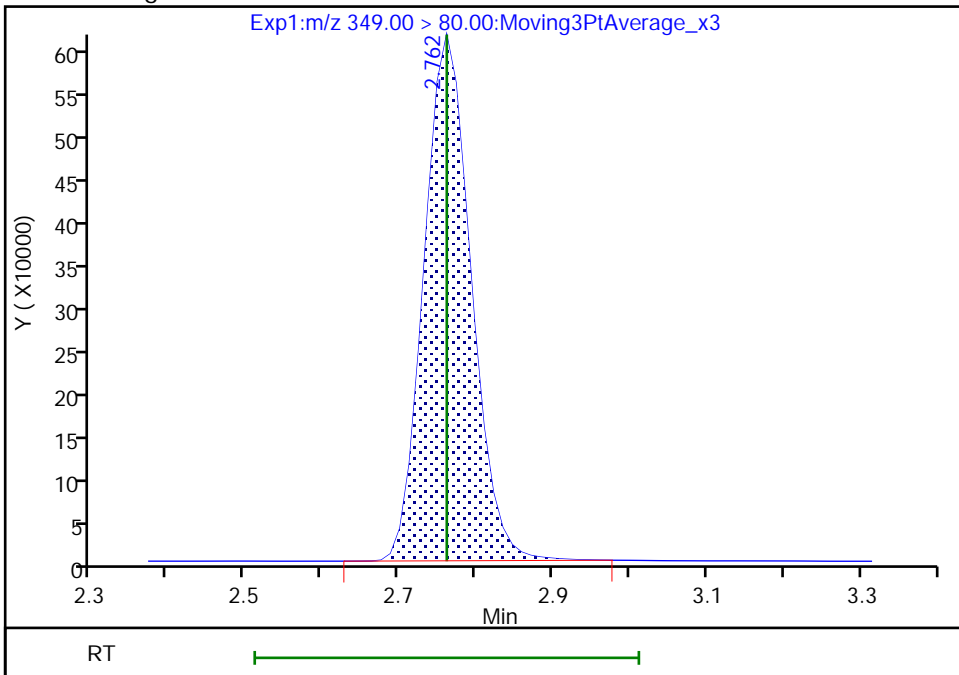
RT: 2.76
 Area: 2612537
 Amount: 2.173871
 Amount Units: ng/ml

Processing Integration Results



RT: 2.76
 Area: 2602336
 Amount: 2.157408
 Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:55:52
 Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

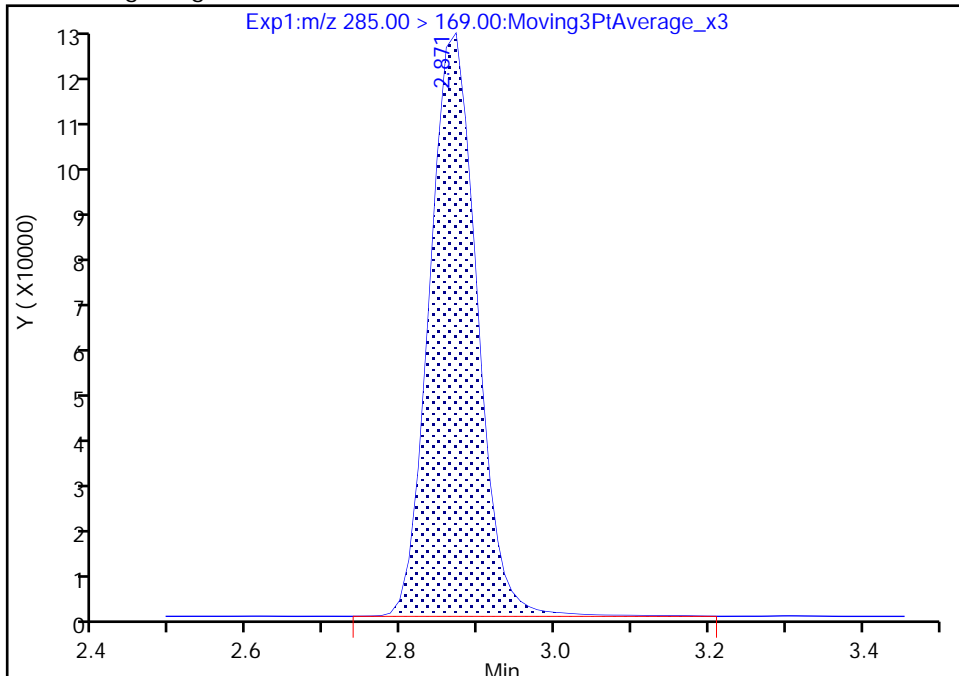
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

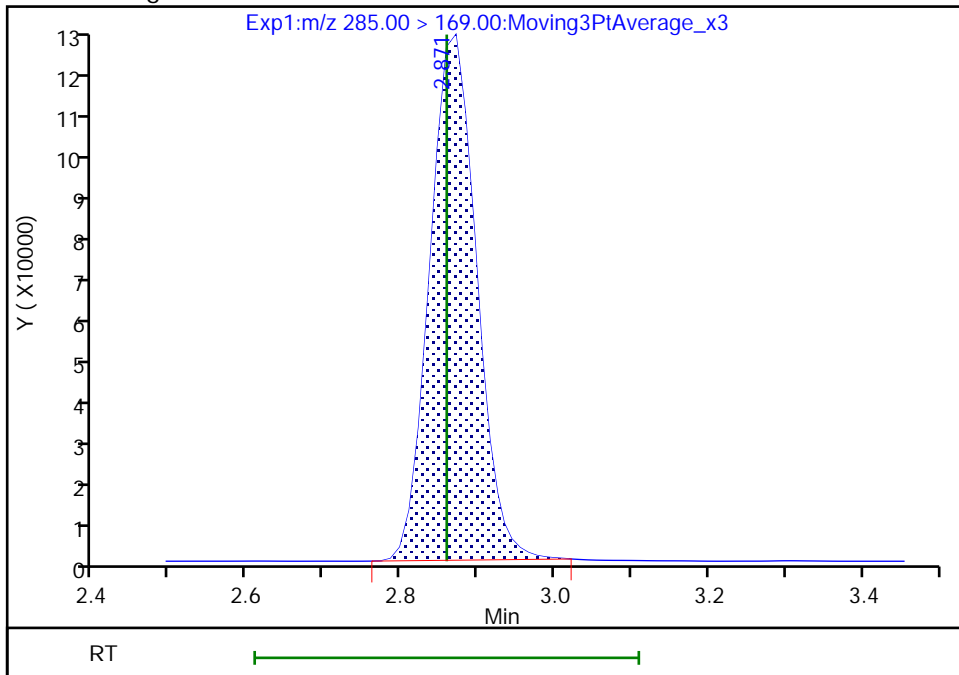
RT: 2.87
Area: 533041
Amount: 2.307024
Amount Units: ng/ml

Processing Integration Results



RT: 2.87
Area: 526717
Amount: 2.275259
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:55:57
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

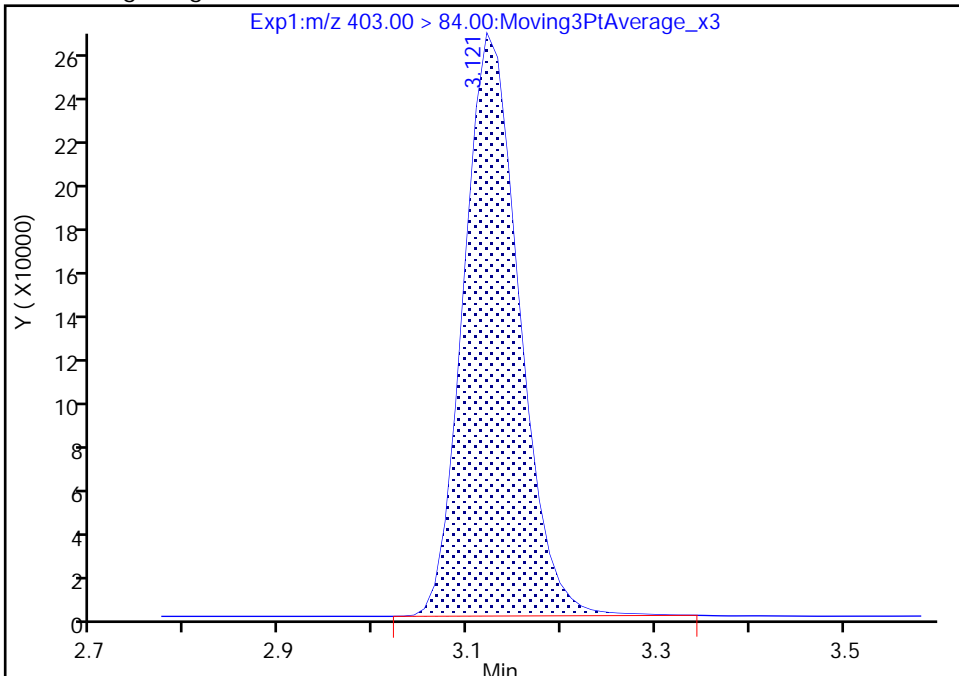
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d		
Injection Date:	03-Aug-2022 13:33:00	Instrument ID:	LC812
Lims ID:	IC		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	9

D 11 18O2 PFHxS, CAS: STL00994

Signal: 1

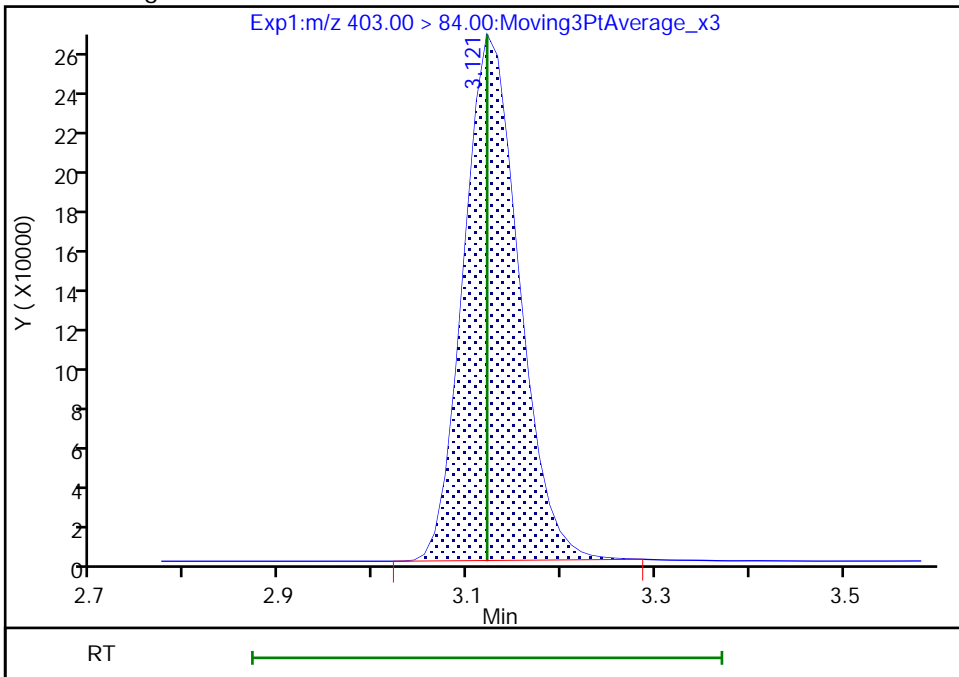
RT: 3.12
 Area: 1105754
 Amount: 1.118683
 Amount Units: ng/ml

Processing Integration Results



RT: 3.12
 Area: 1100091
 Amount: 1.169294
 Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:56:17
 Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

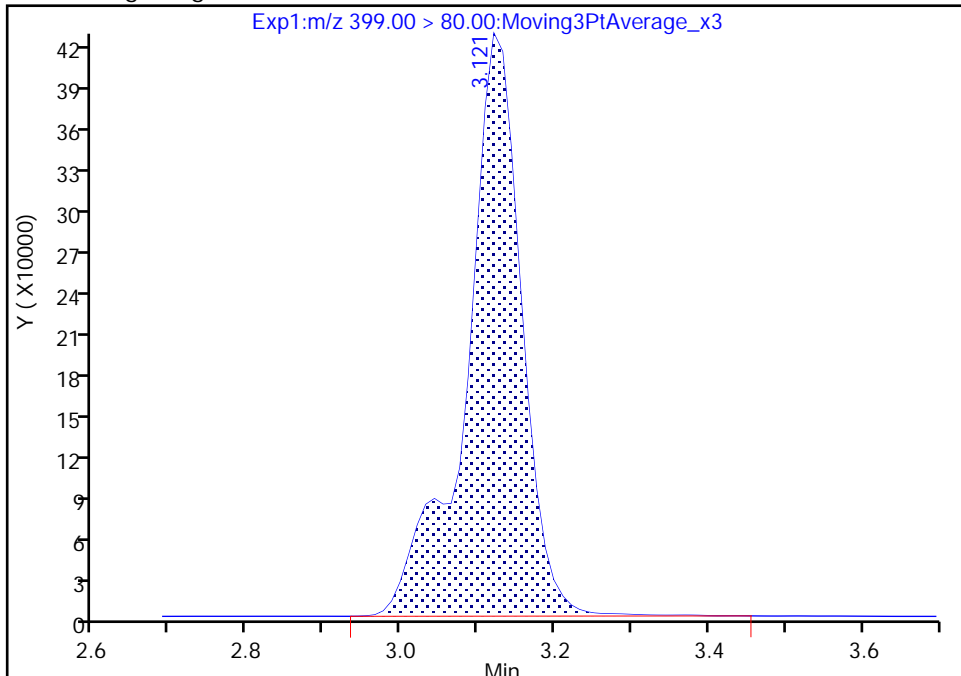
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

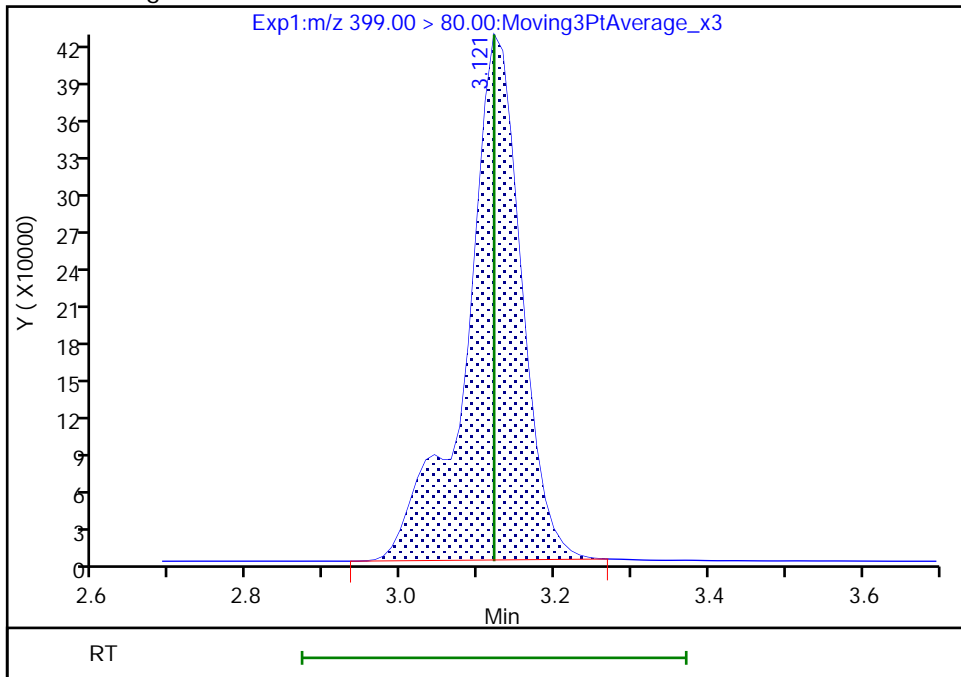
RT: 3.12
Area: 2121601
Amount: 2.057490
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 2100026
Amount: 2.046657
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:56:23
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

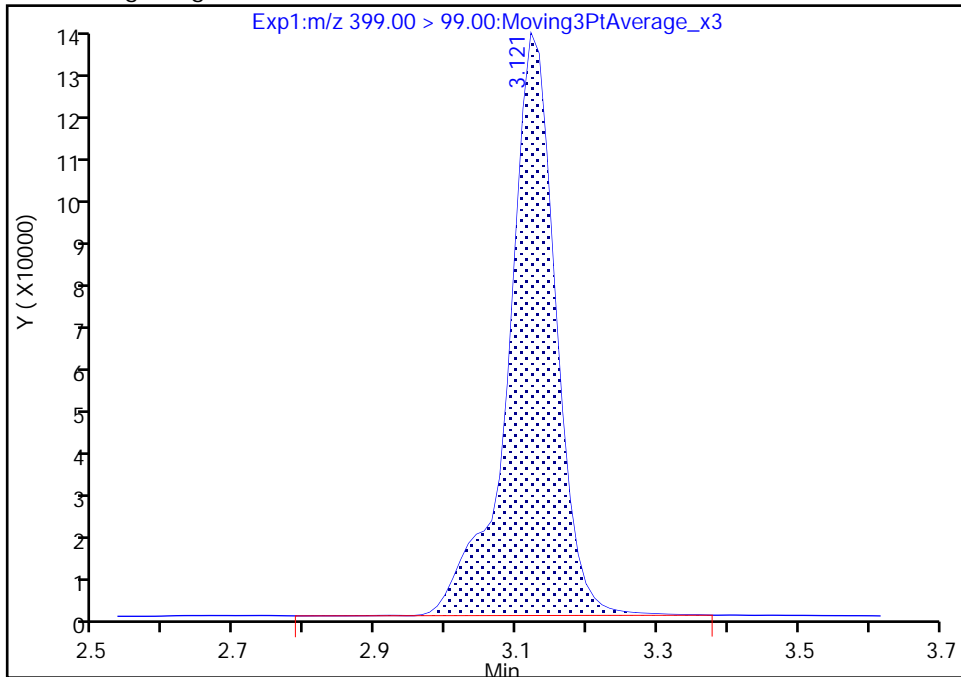
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

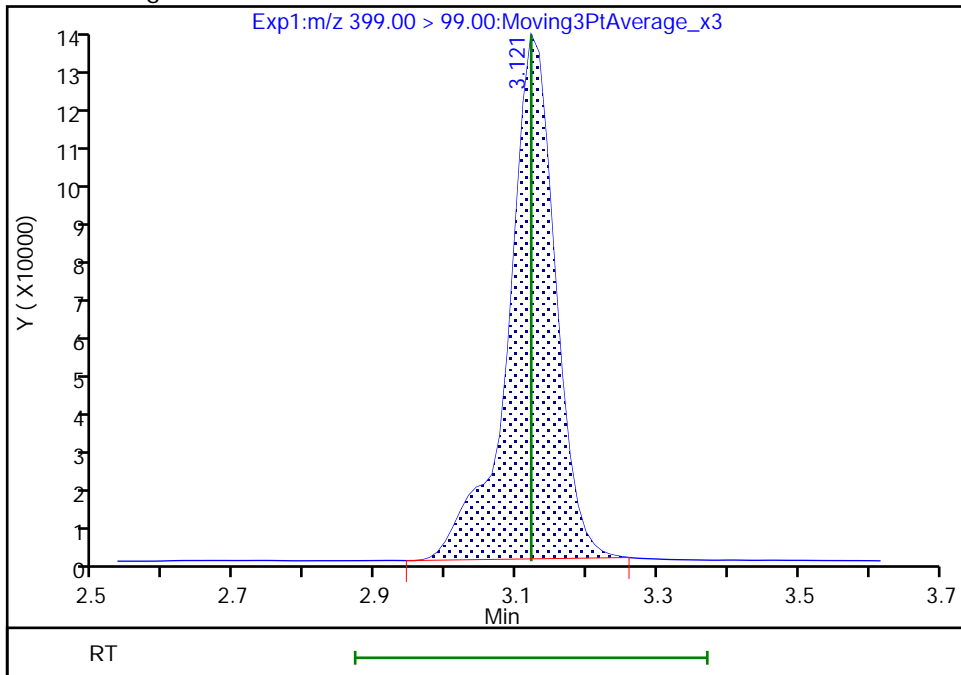
RT: 3.12
Area: 622549
Amount: 2.057490
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 613809
Amount: 2.046657
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:56:28

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

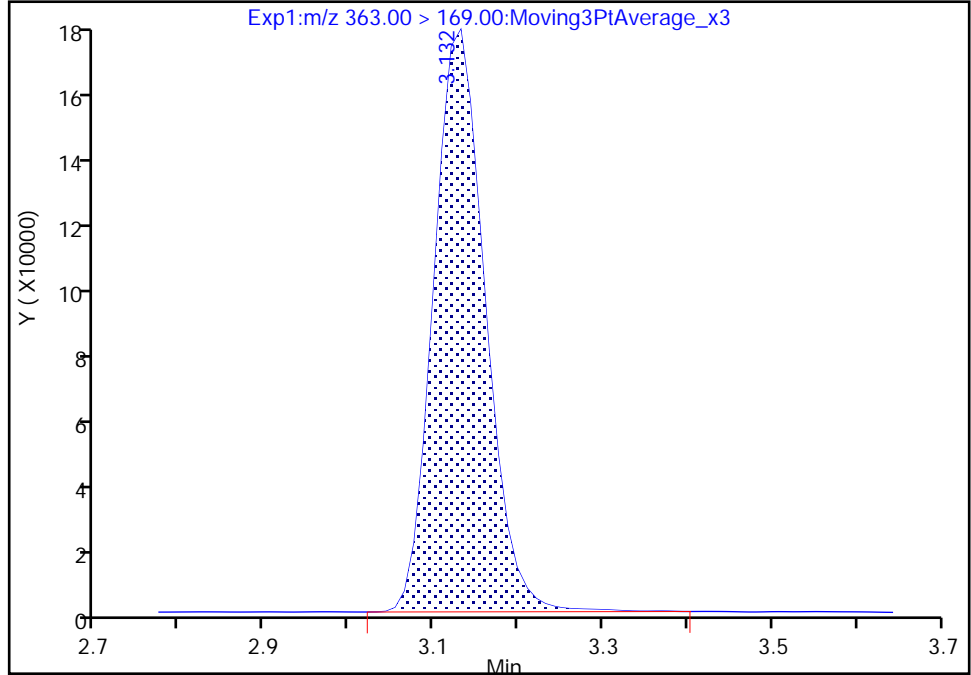
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

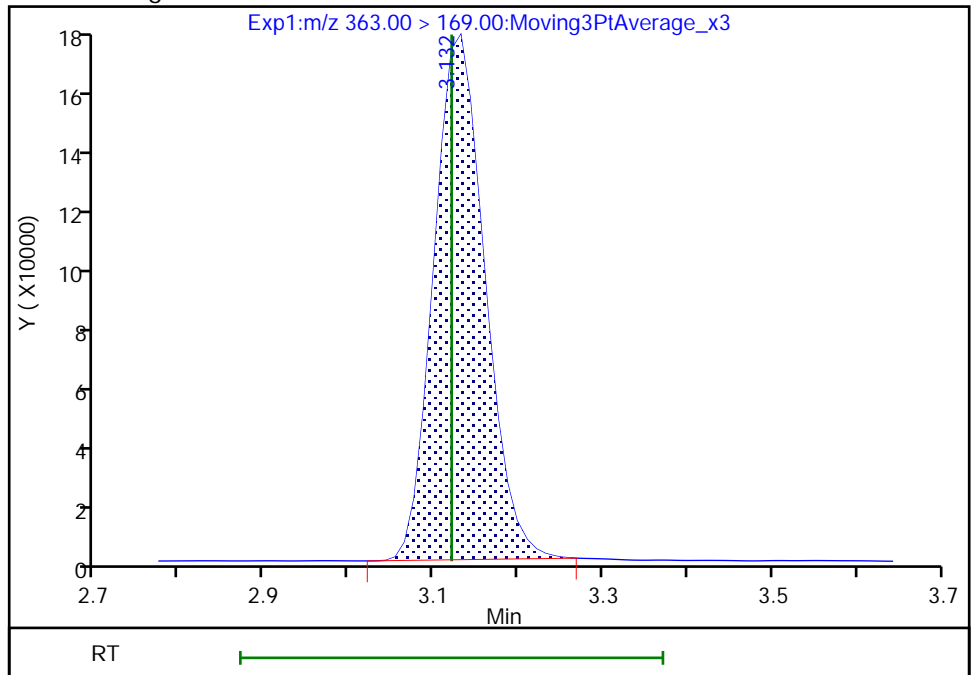
RT: 3.13
Area: 747052
Amount: 2.331953
Amount Units: ng/ml

Processing Integration Results



RT: 3.13
Area: 738346
Amount: 2.317492
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

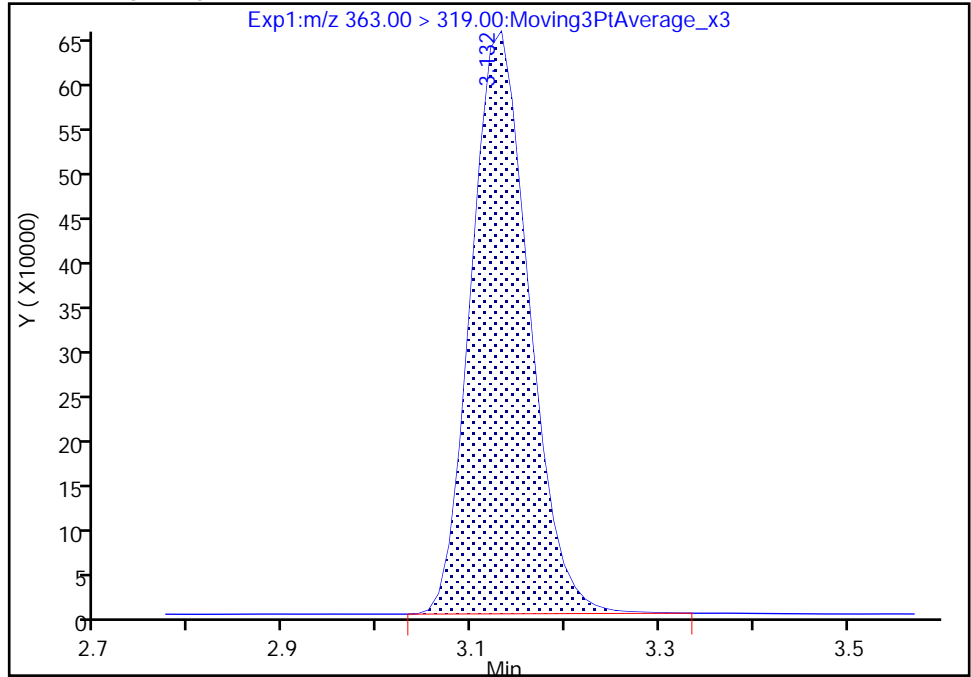
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

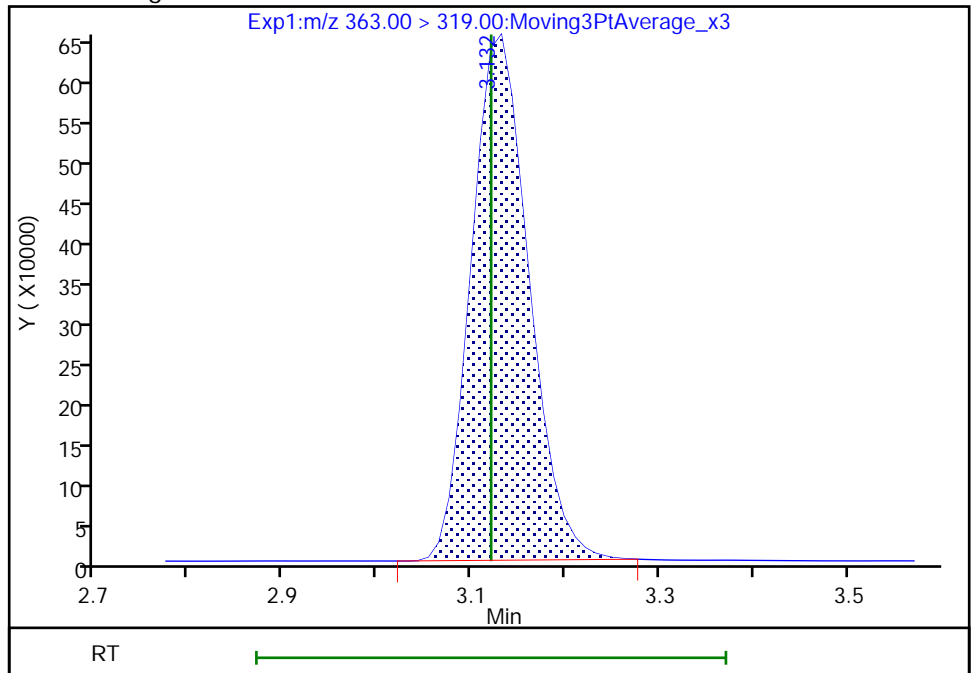
RT: 3.13
Area: 2807999
Amount: 2.331953
Amount Units: ng/ml

Processing Integration Results



RT: 3.13
Area: 2794876
Amount: 2.317492
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:56:12

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

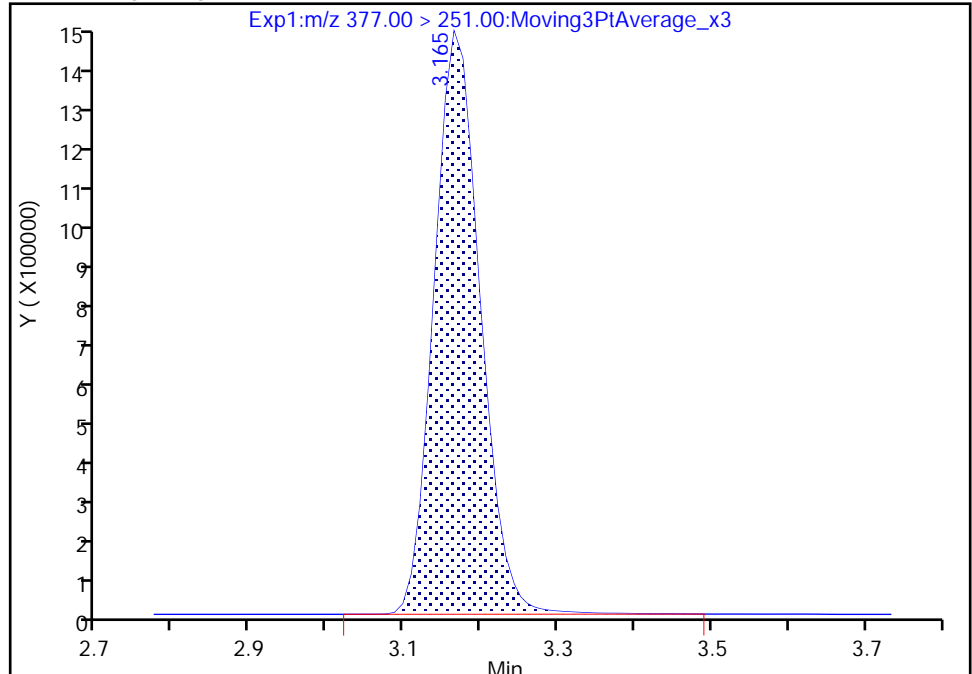
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 1

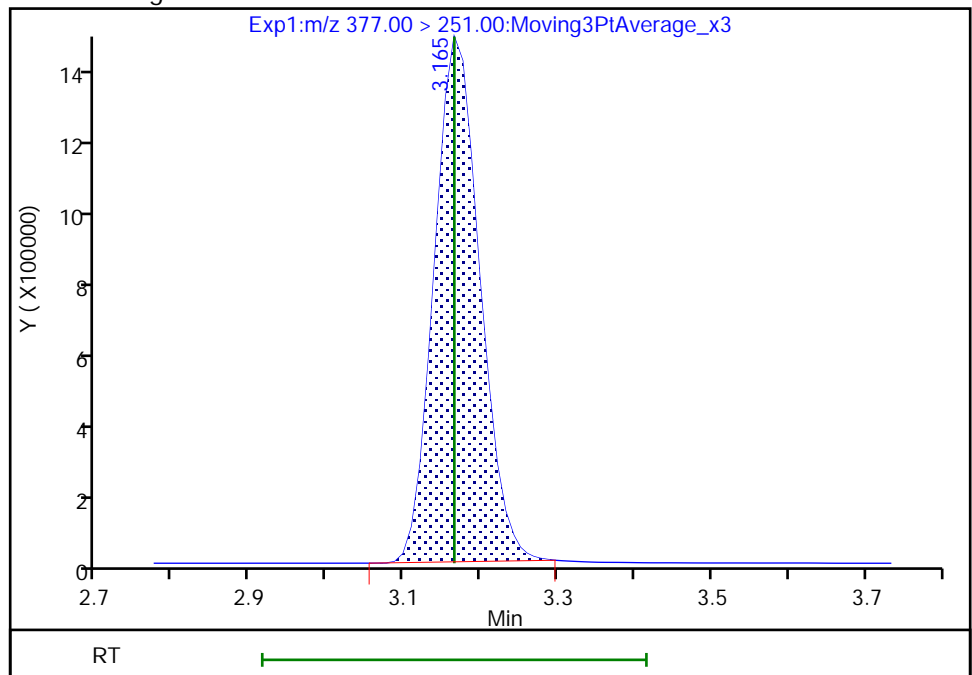
RT: 3.16
Area: 6147886
Amount: 2.235936
Amount Units: ng/ml

Processing Integration Results



RT: 3.16
Area: 6067195
Amount: 2.134400
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:56:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

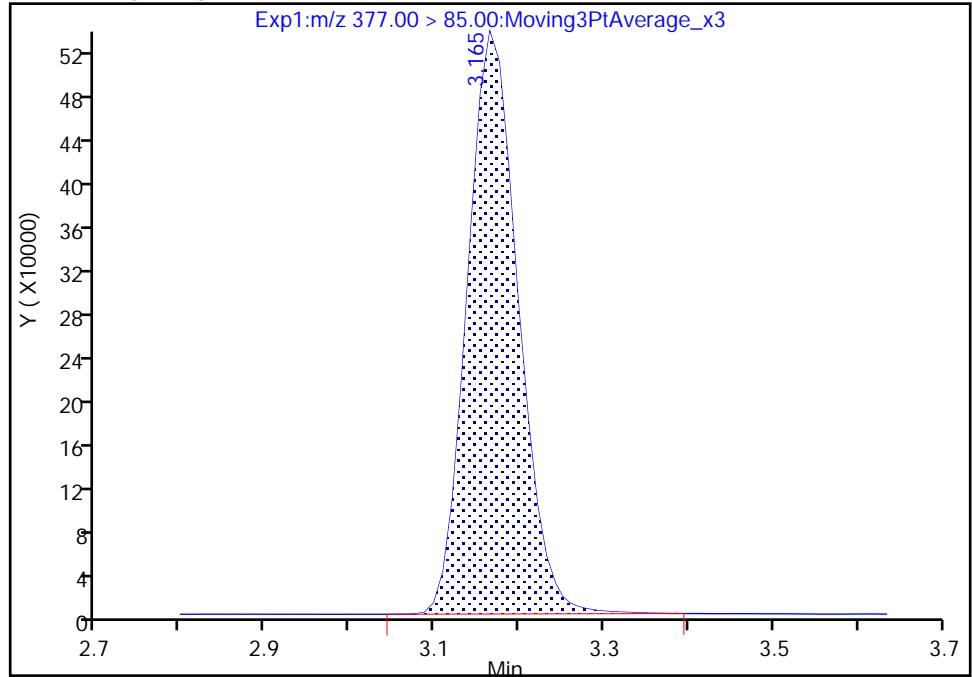
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 2

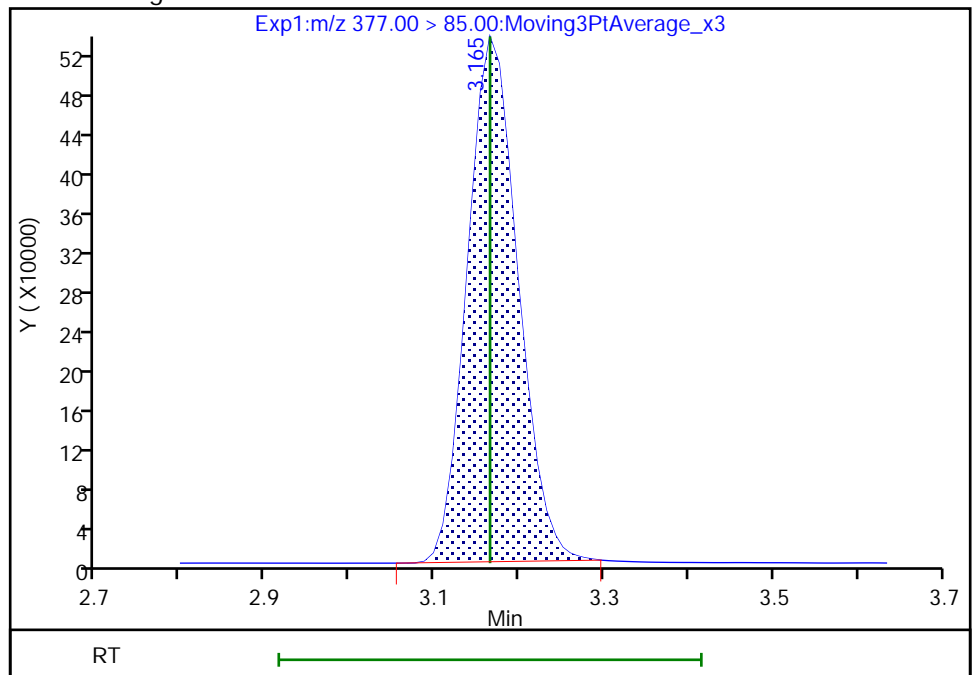
RT: 3.16
Area: 2217052
Amount: 2.235936
Amount Units: ng/ml

Processing Integration Results



RT: 3.16
Area: 2193406
Amount: 2.134400
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:56:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

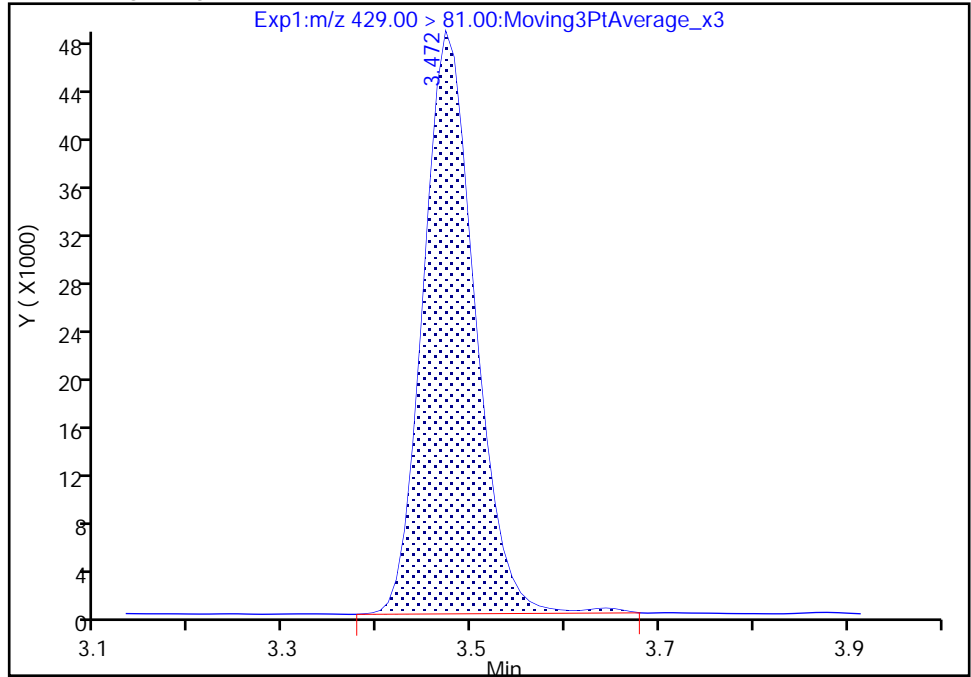
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 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 12 M2-6:2 FTS, CAS: STL02279
Signal: 1

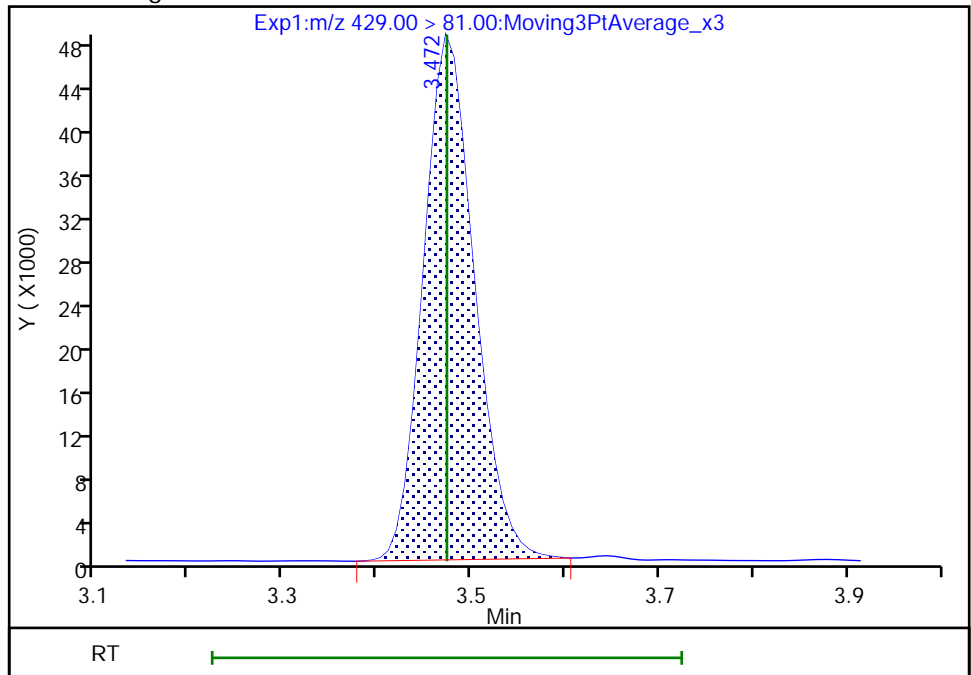
RT: 3.47
Area: 184516
Amount: 1.129896
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 182060
Amount: 1.156185
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:56:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

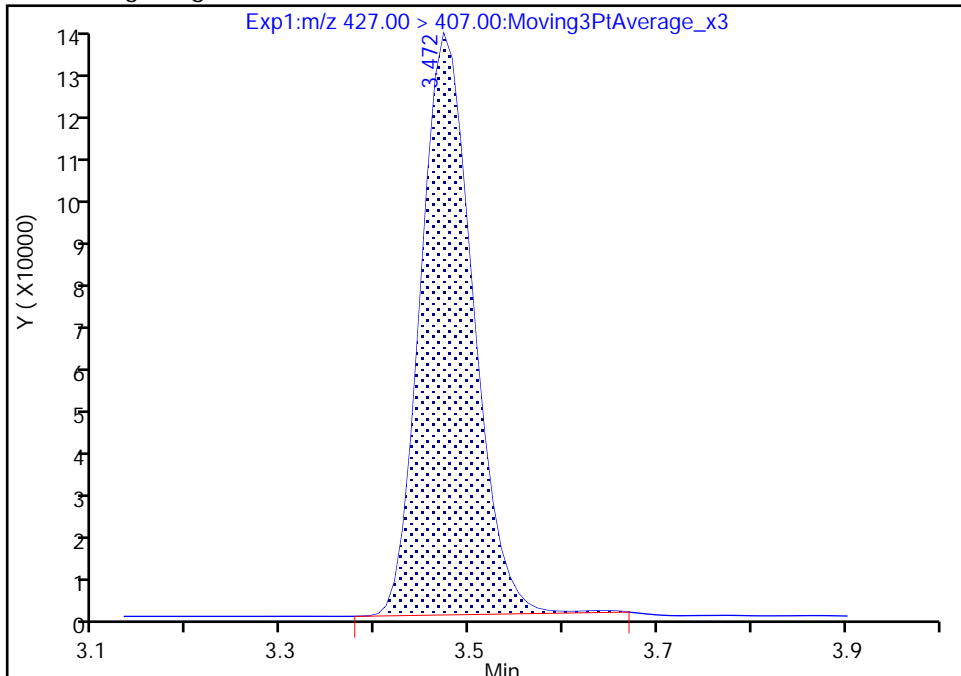
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

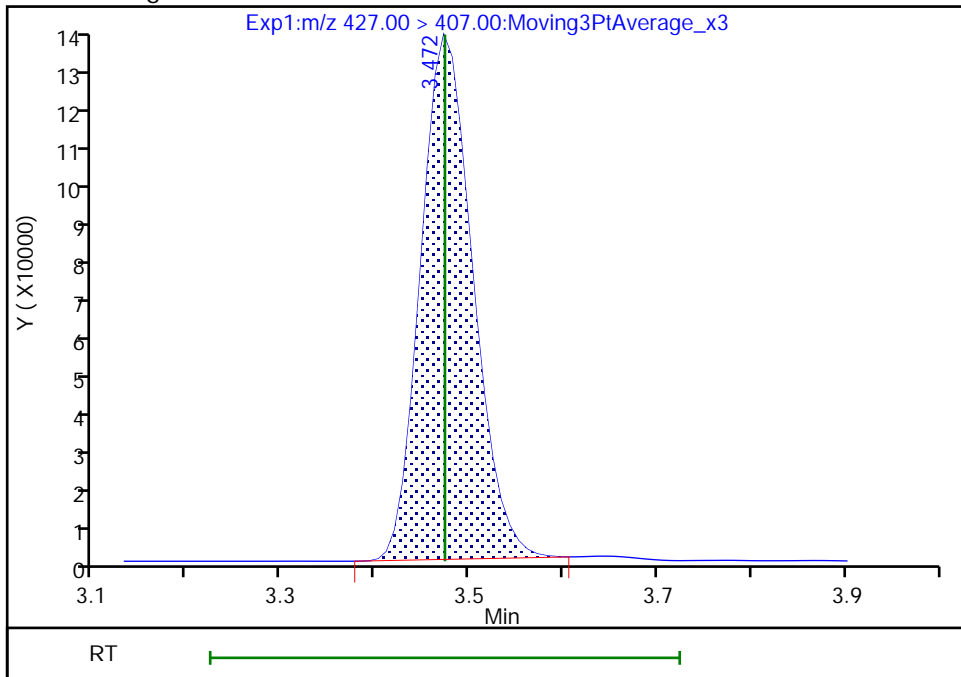
RT: 3.47
Area: 521484
Amount: 2.230744
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 517908
Amount: 2.301410
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:56:51
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

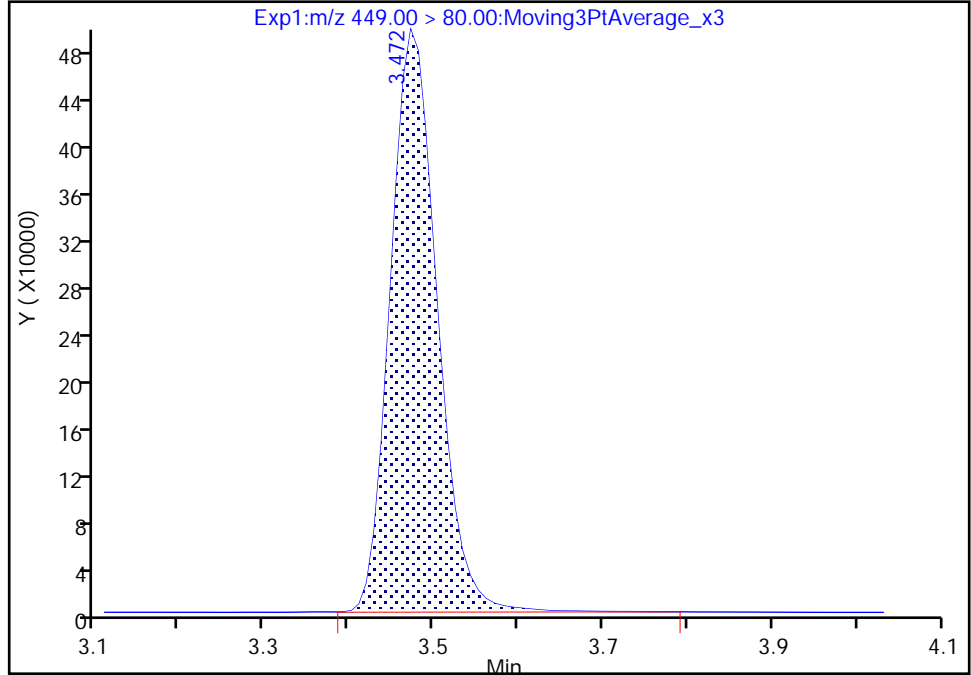
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

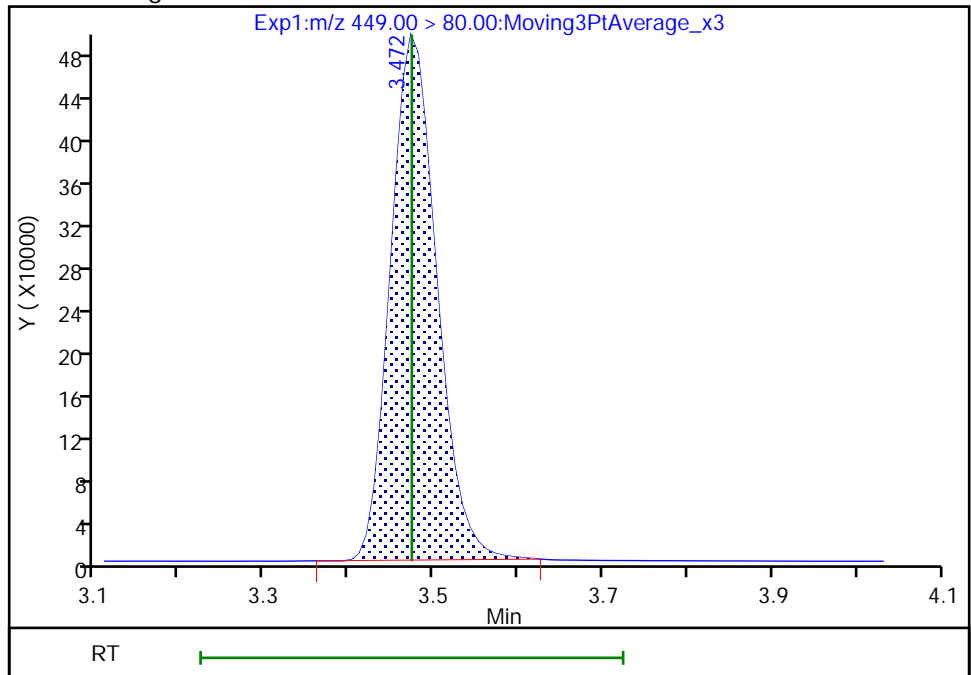
RT: 3.47
Area: 1888833
Amount: 2.218842
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 1868882
Amount: 2.190859
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:56:57
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

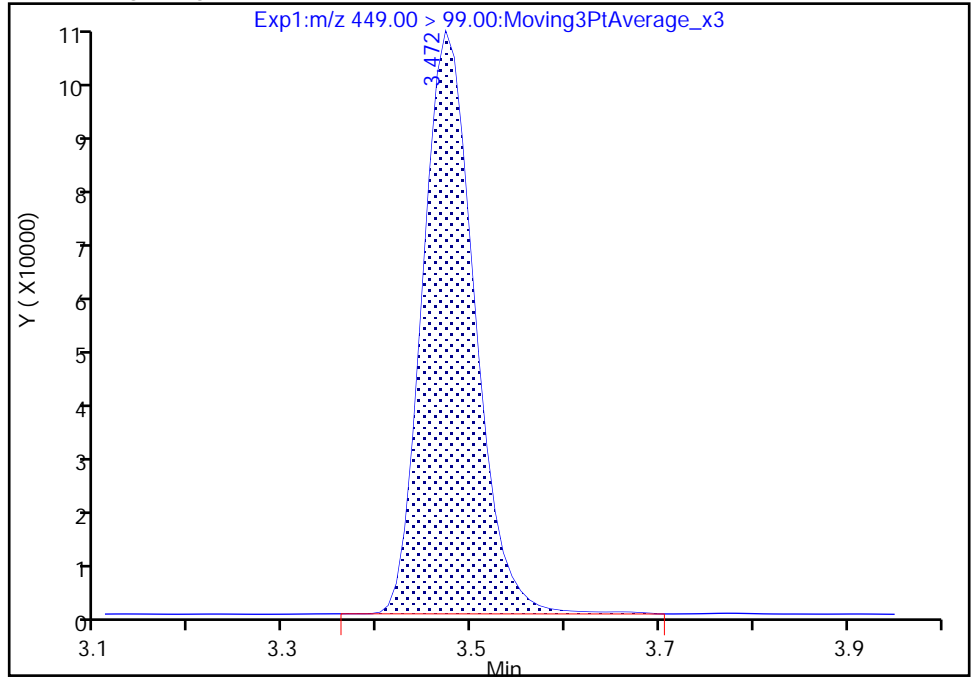
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

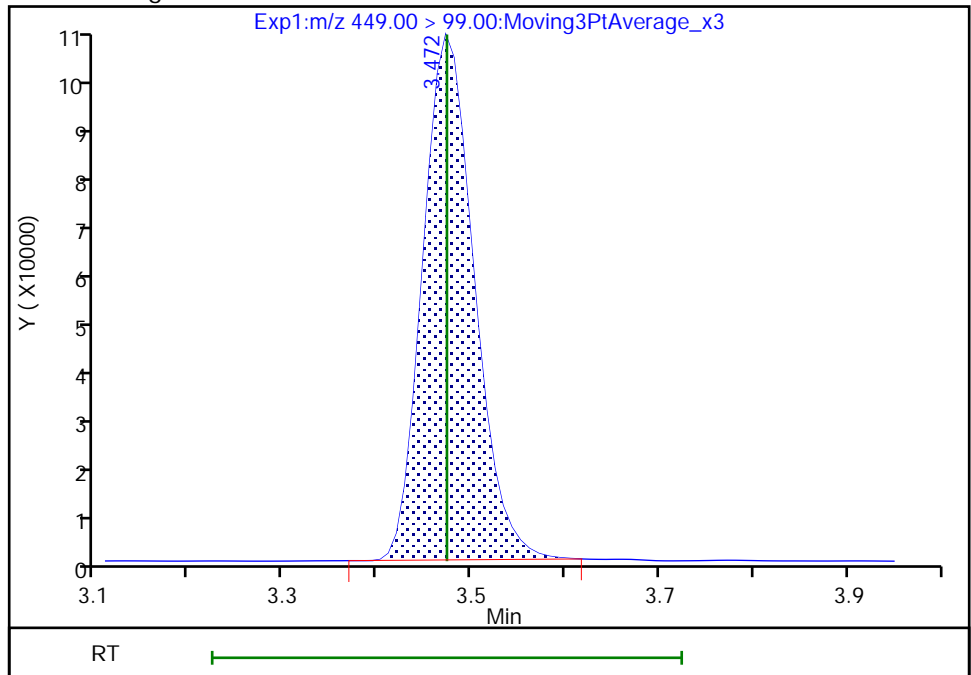
RT: 3.47
Area: 392766
Amount: 2.218842
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 388606
Amount: 2.190859
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:57:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

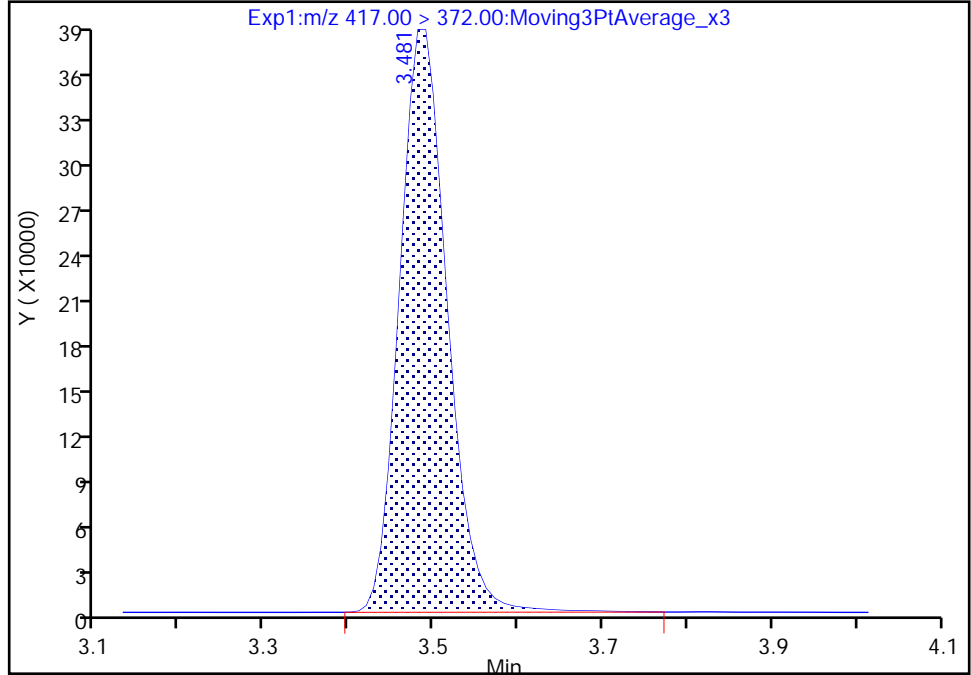
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 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 14 13C4 PFOA, CAS: STL00990
Signal: 1

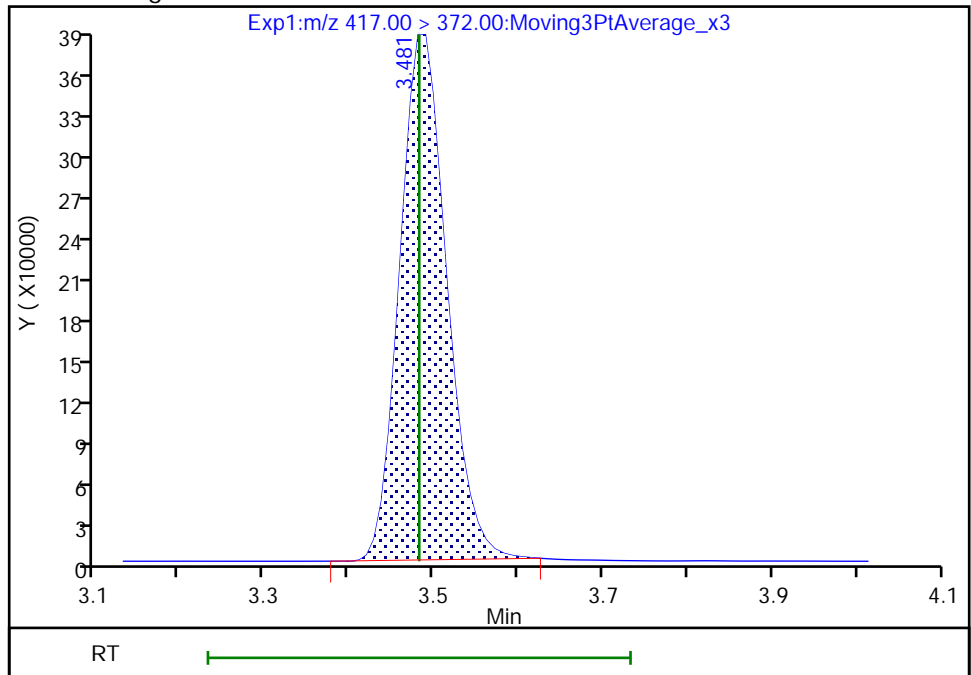
RT: 3.48
Area: 1506031
Amount: 1.225890
Amount Units: ng/ml

Processing Integration Results



RT: 3.48
Area: 1484954
Amount: 1.210462
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:57:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

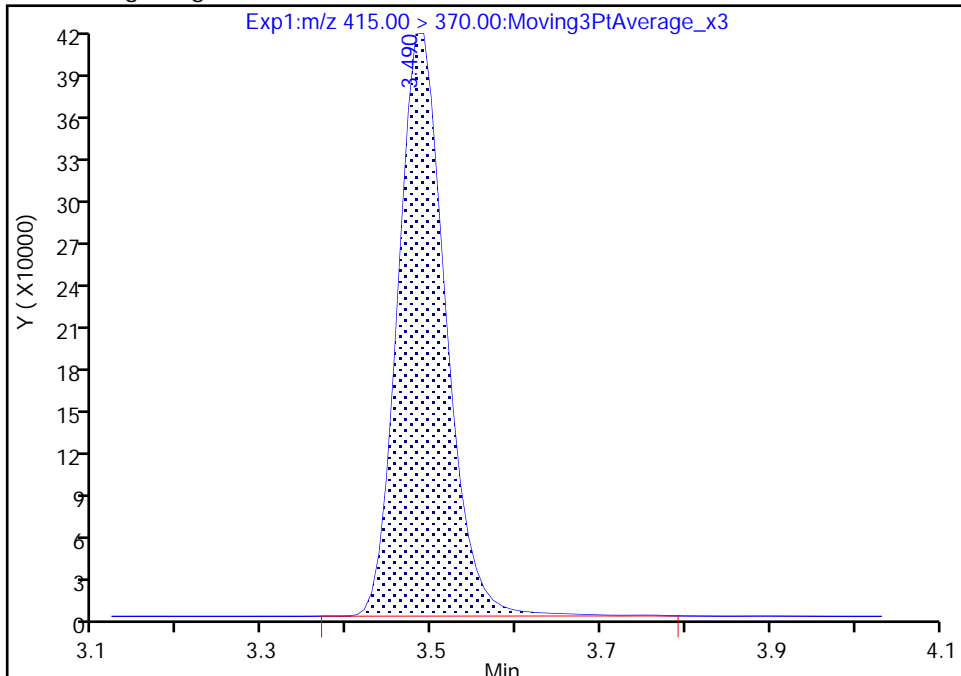
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

* 62 13C2 PFOA, CAS: STL00623

Signal: 1

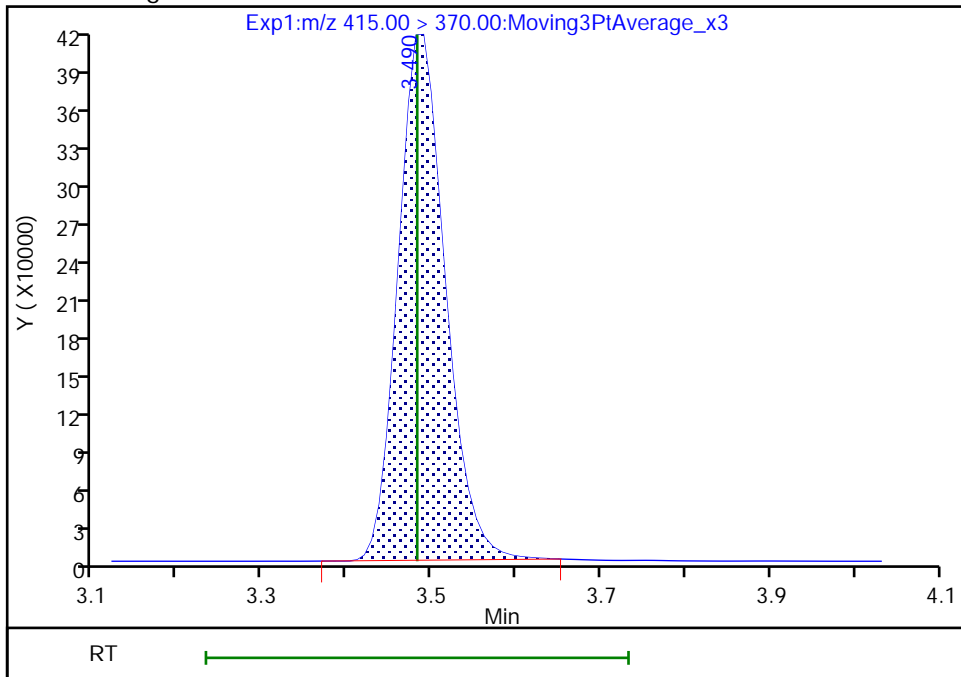
RT: 3.49
Area: 1627247
Amount: 1.250000
Amount Units: ng/ml

Processing Integration Results



RT: 3.49
Area: 1609879
Amount: 1.250000
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:57:23
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

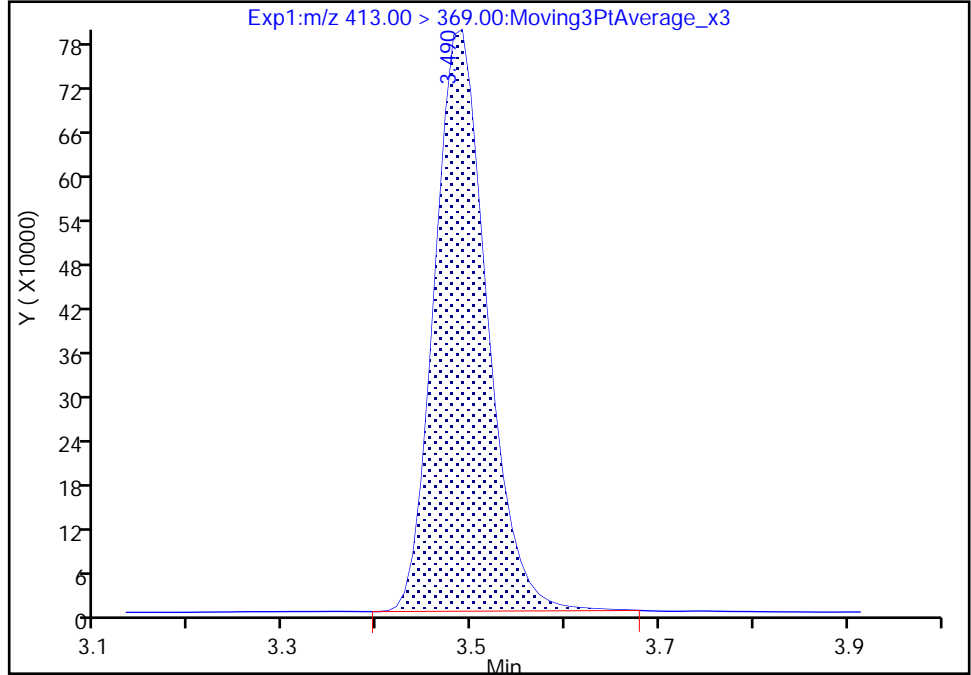
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

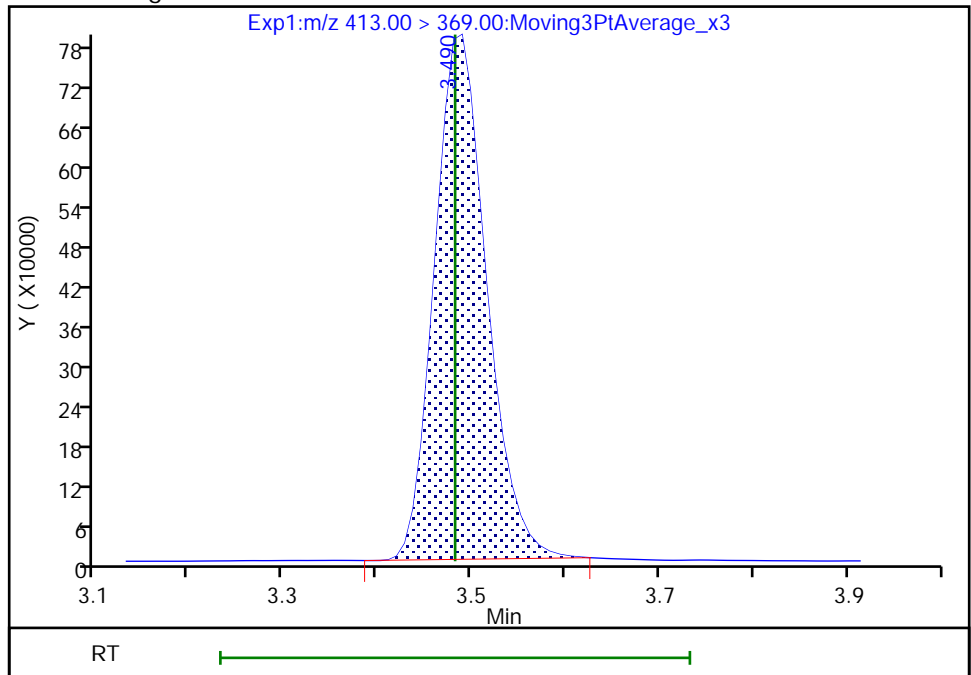
RT: 3.49
Area: 3051411
Amount: 2.249285
Amount Units: ng/ml

Processing Integration Results



RT: 3.49
Area: 3024763
Amount: 2.270536
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:57:10
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

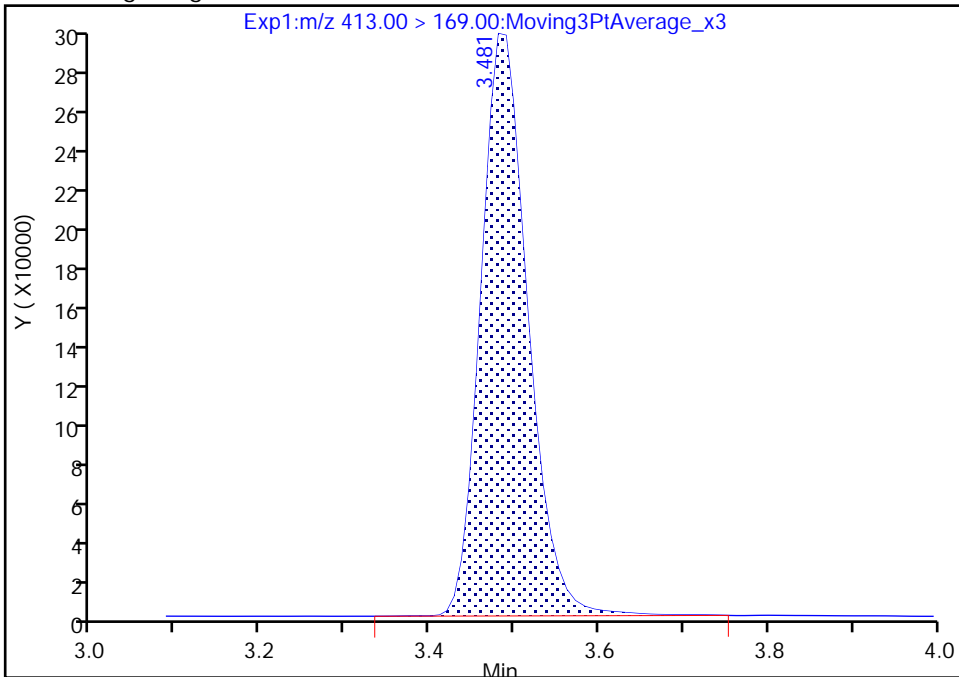
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

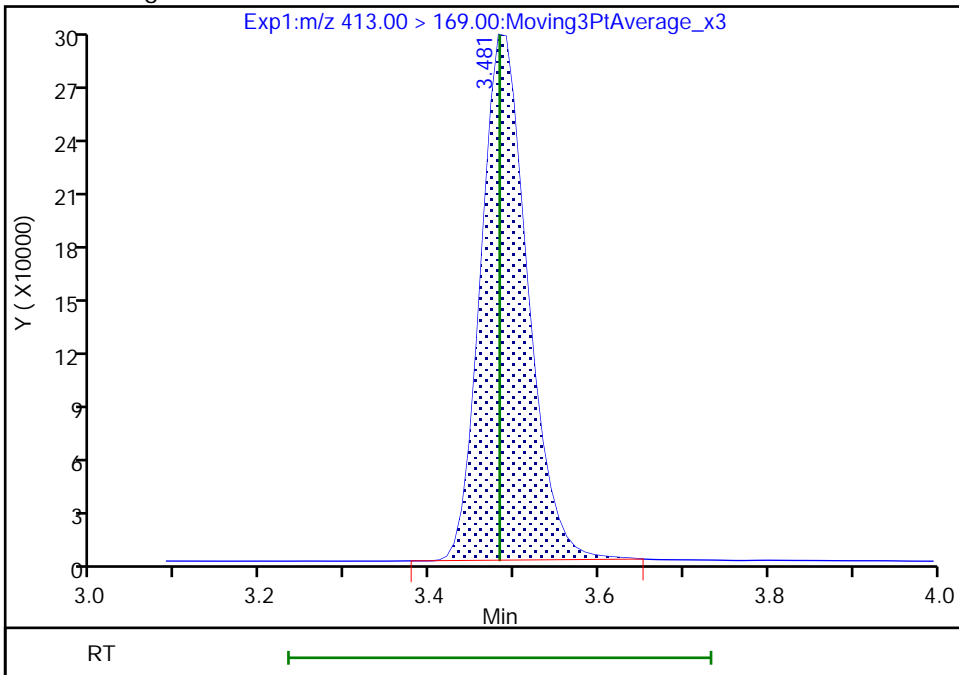
RT: 3.48
Area: 1144648
Amount: 2.249285
Amount Units: ng/ml

Processing Integration Results



RT: 3.48
Area: 1134261
Amount: 2.270536
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

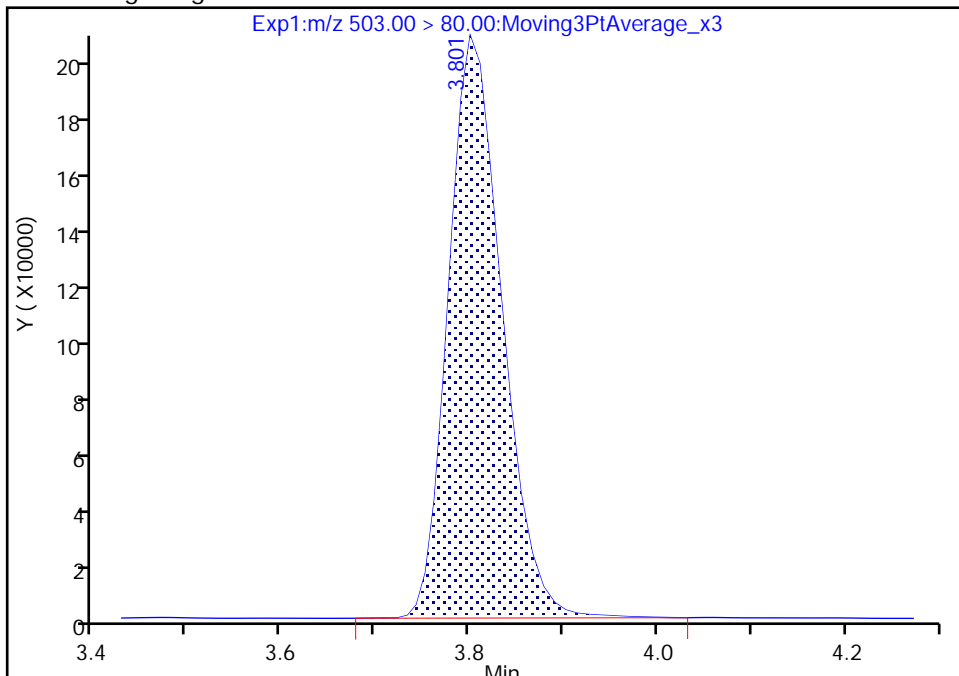
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 18 13C4 PFOS, CAS: STL00991

Signal: 1

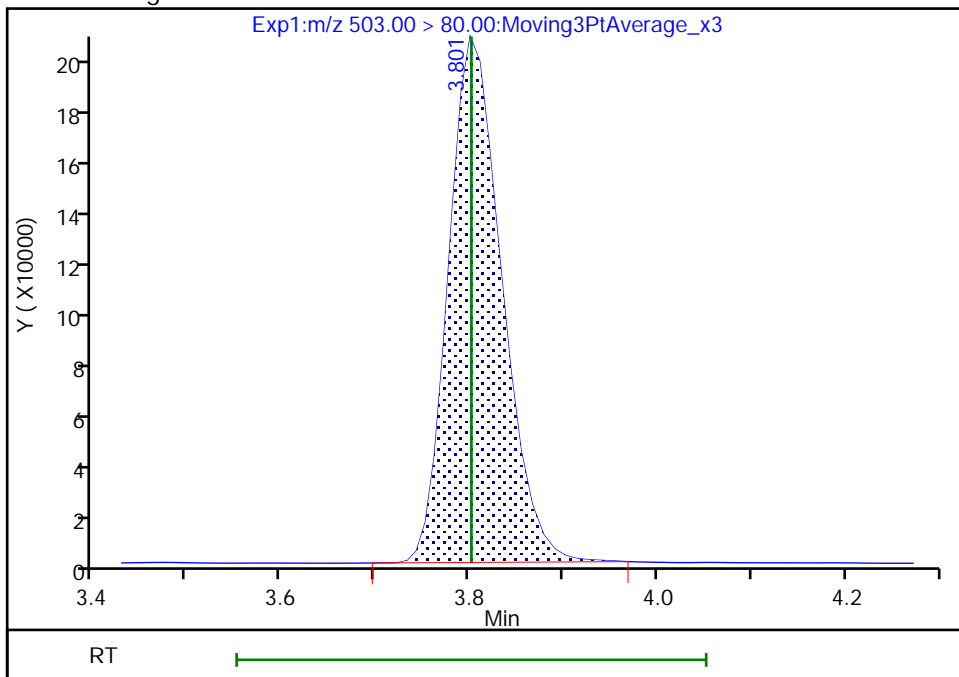
RT: 3.80
Area: 829470
Amount: 1.113603
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 824732
Amount: 1.173991
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:58:13
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

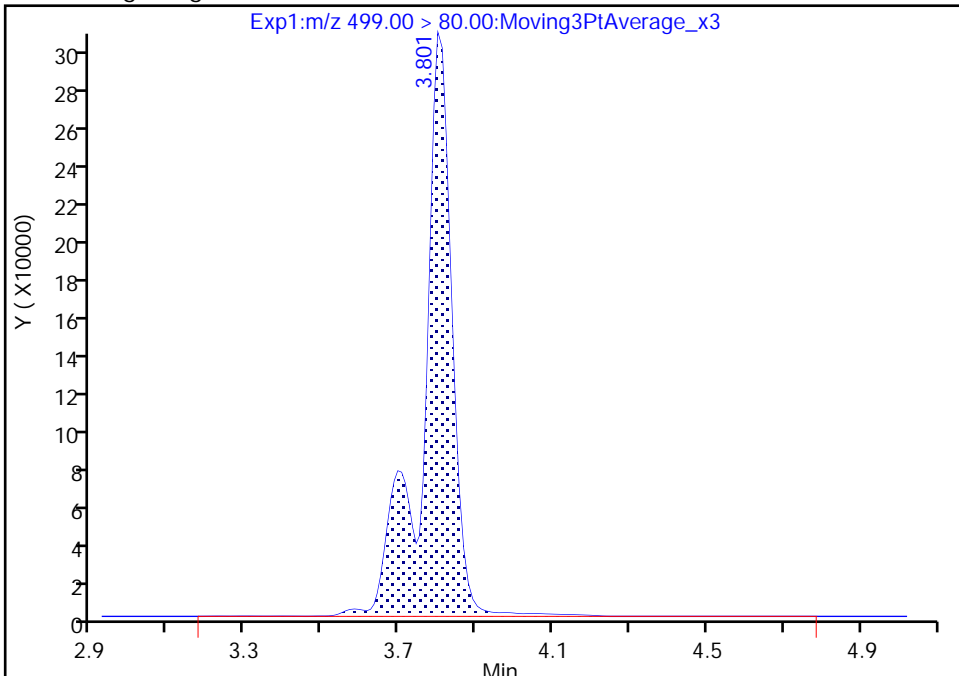
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

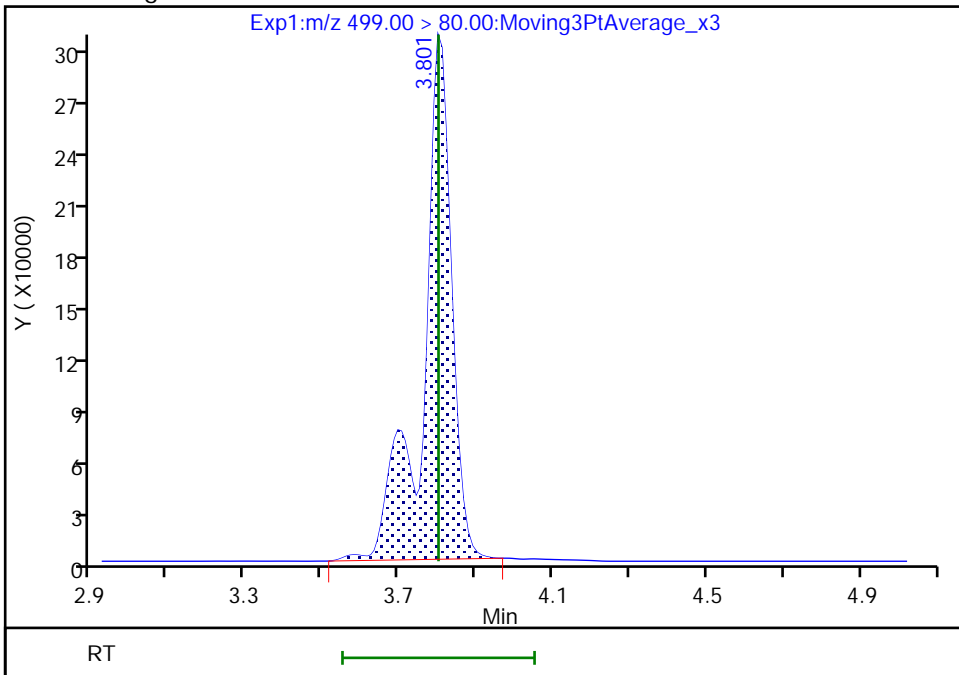
RT: 3.80
Area: 1607142
Amount: 2.084632
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 1565335
Amount: 2.261149
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:57:29
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

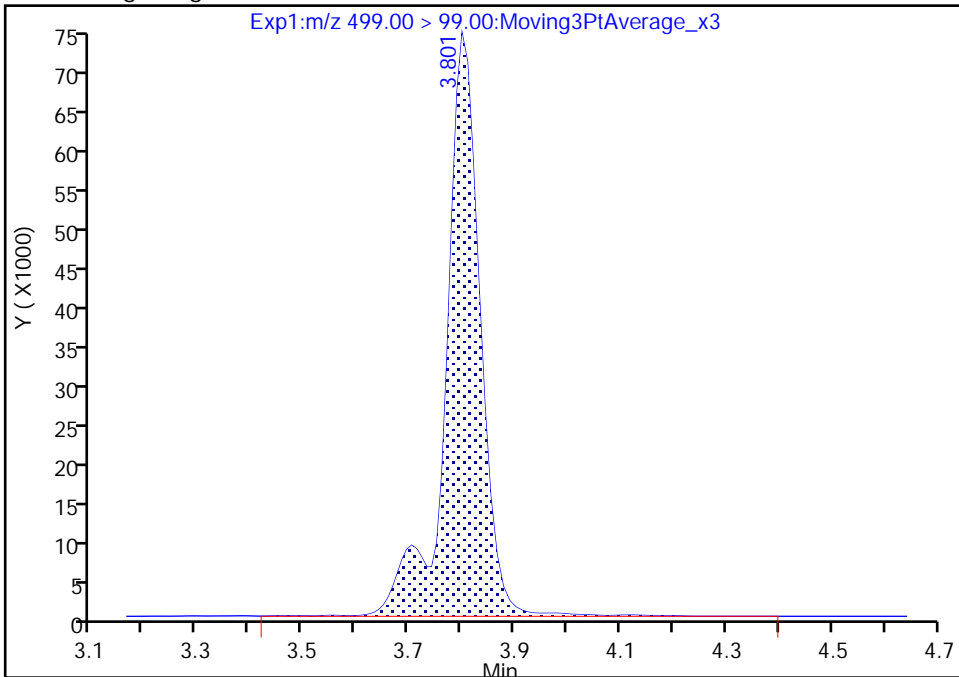
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

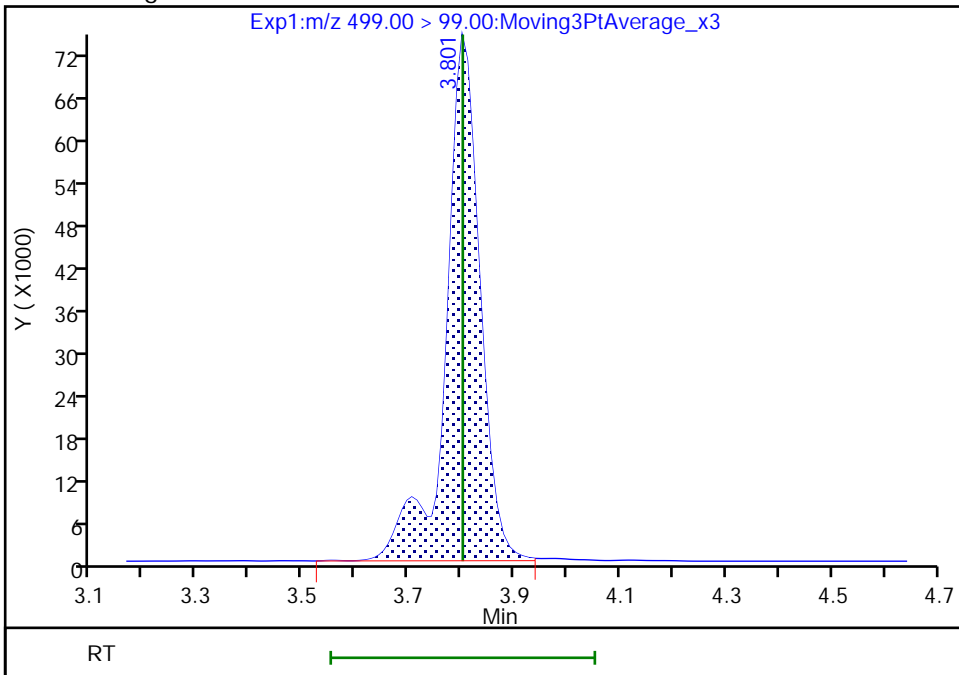
RT: 3.80
Area: 340542
Amount: 2.084632
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 335836
Amount: 2.261149
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:58:06

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

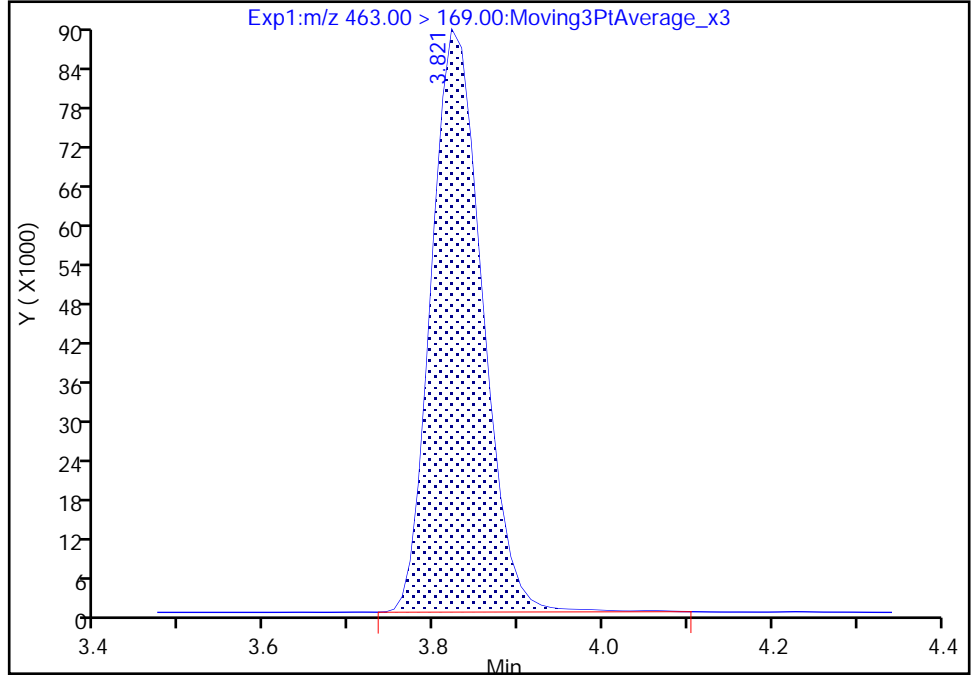
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

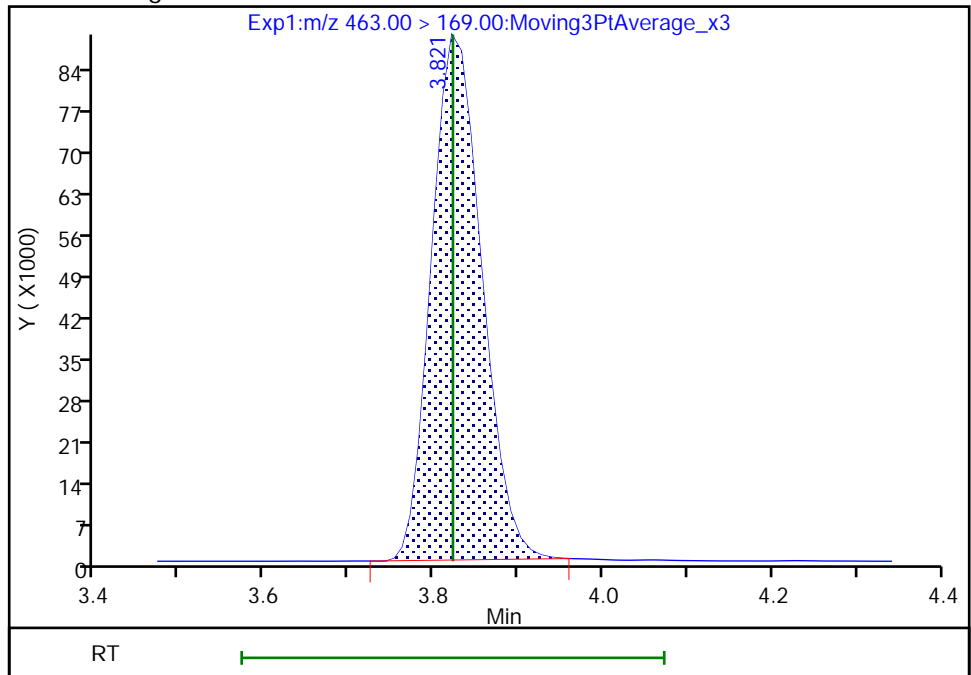
RT: 3.82
Area: 373534
Amount: 2.305779
Amount Units: ng/ml

Processing Integration Results



RT: 3.82
Area: 369381
Amount: 2.304156
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:58:18
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

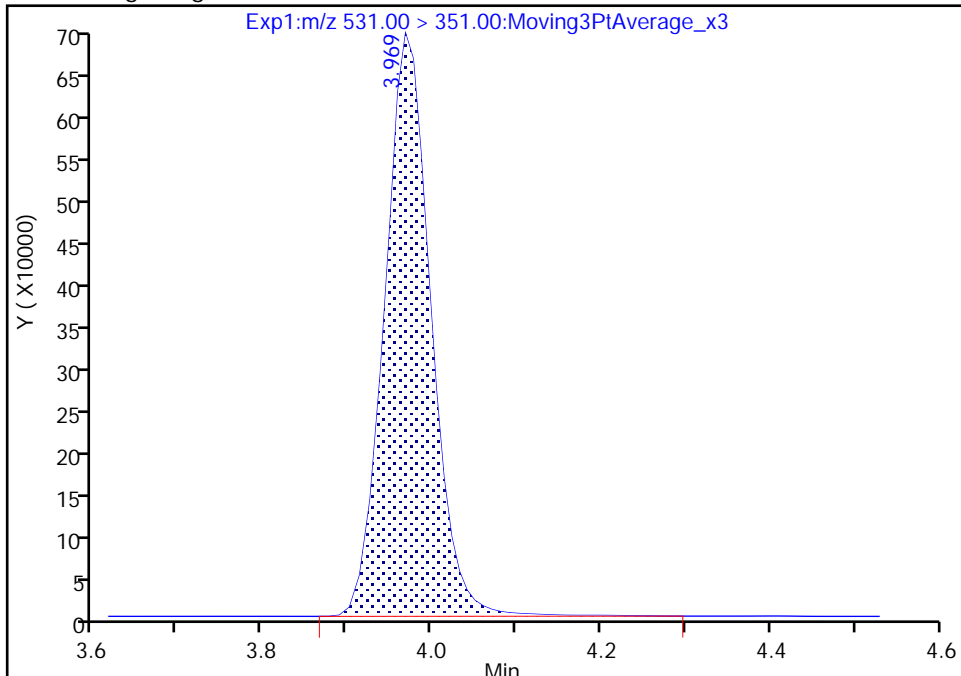
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

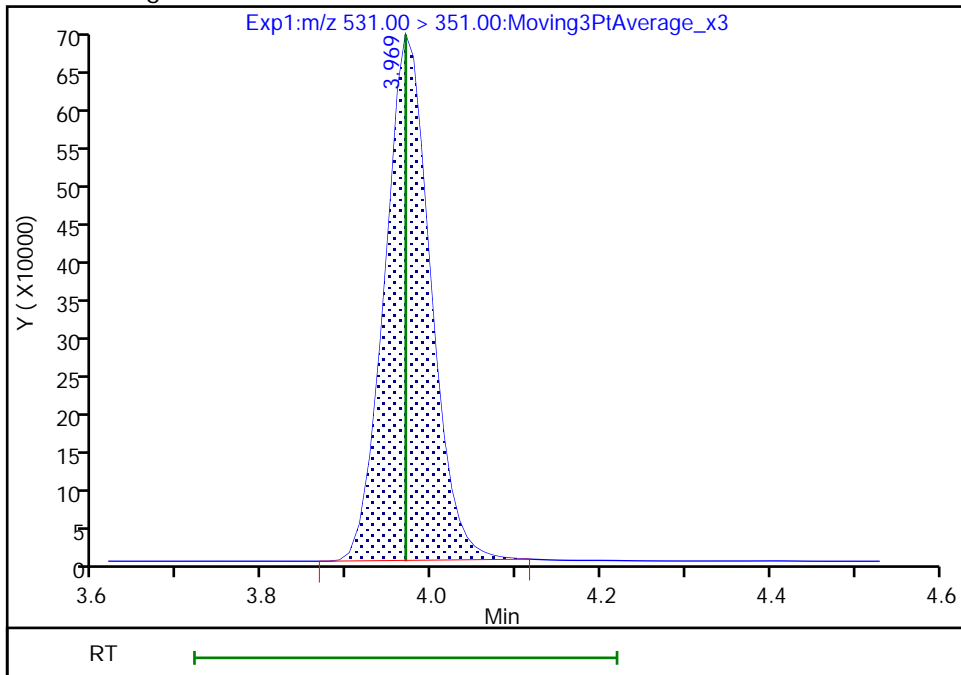
RT: 3.97
Area: 2635507
Amount: 2.152558
Amount Units: ng/ml

Processing Integration Results



RT: 3.97
Area: 2607229
Amount: 2.138557
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:58:25
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

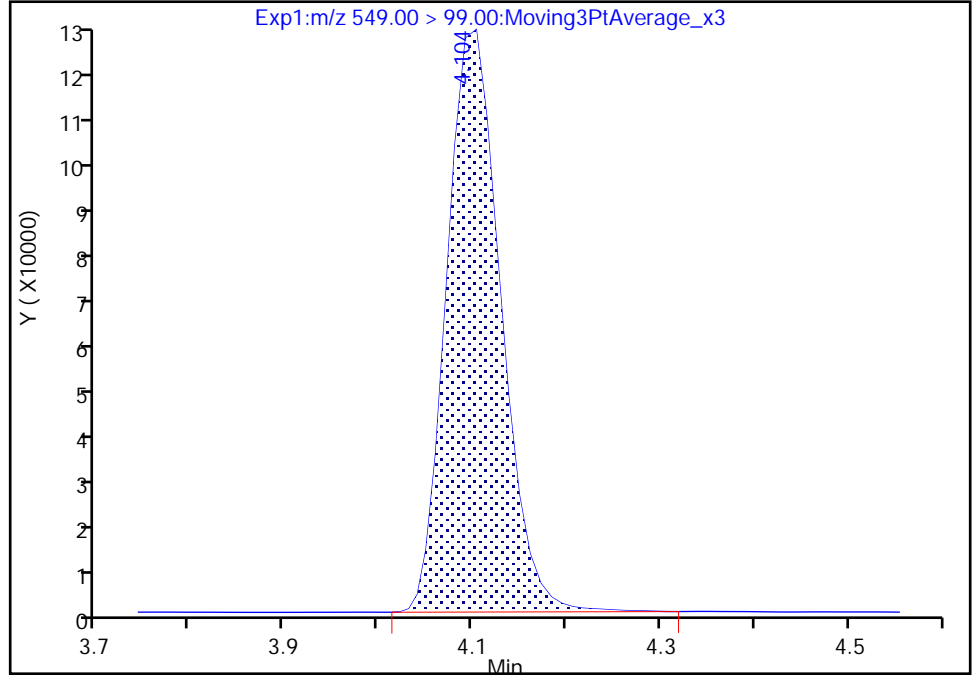
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 2

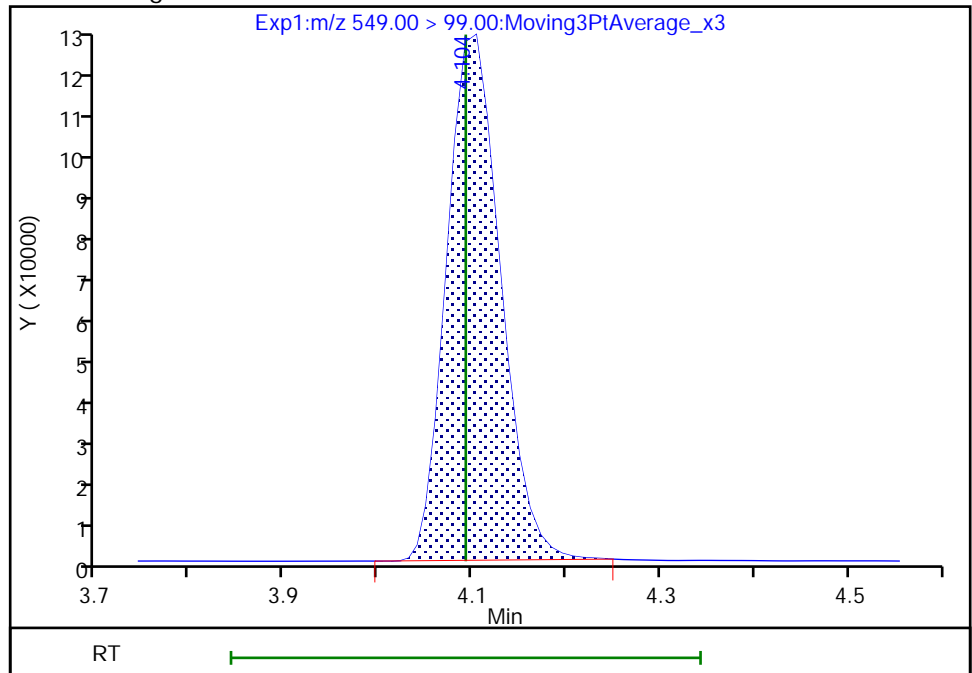
RT: 4.10
Area: 480951
Amount: 2.263721
Amount Units: ng/ml

Processing Integration Results



RT: 4.10
Area: 477549
Amount: 2.235258
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:58:32
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

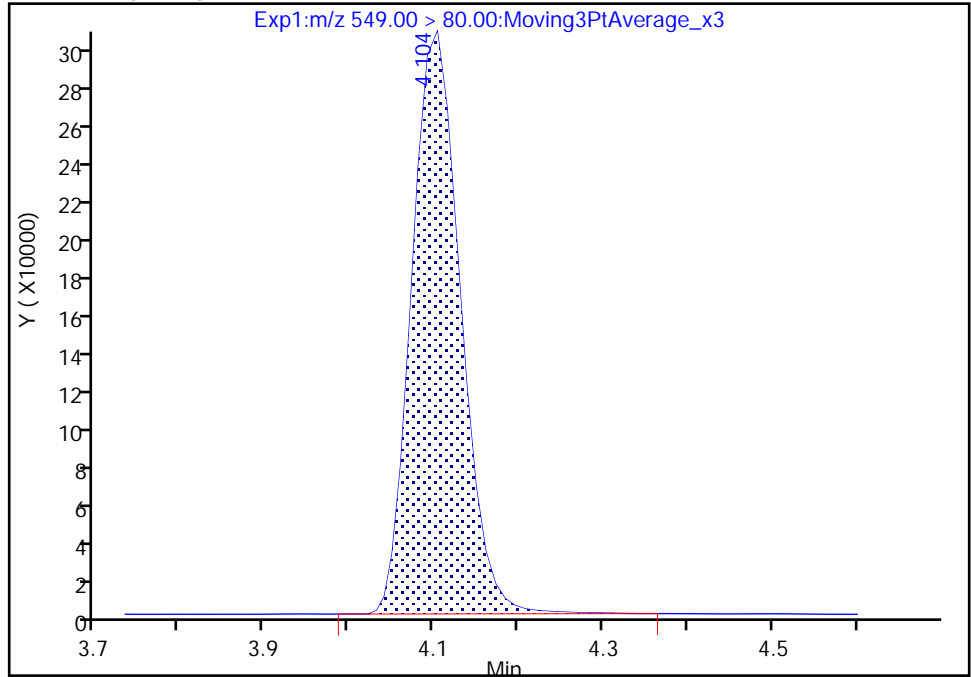
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 1

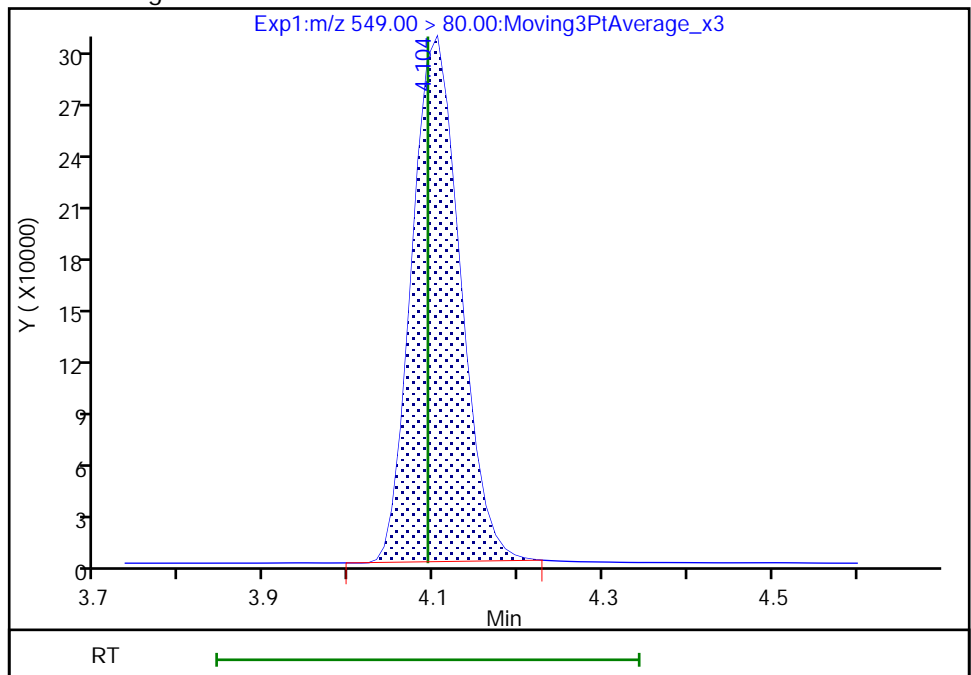
RT: 4.10
Area: 1222103
Amount: 2.263721
Amount Units: ng/ml

Processing Integration Results



RT: 4.10
Area: 1207870
Amount: 2.235258
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:58:36

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

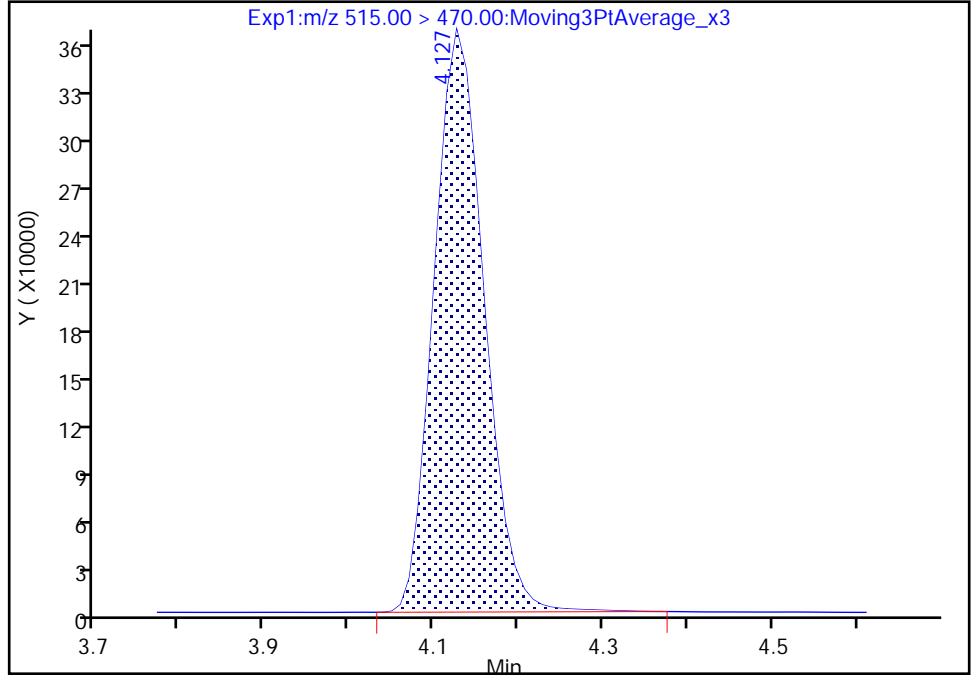
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 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 23 13C2 PFDA, CAS: STL00996
Signal: 1

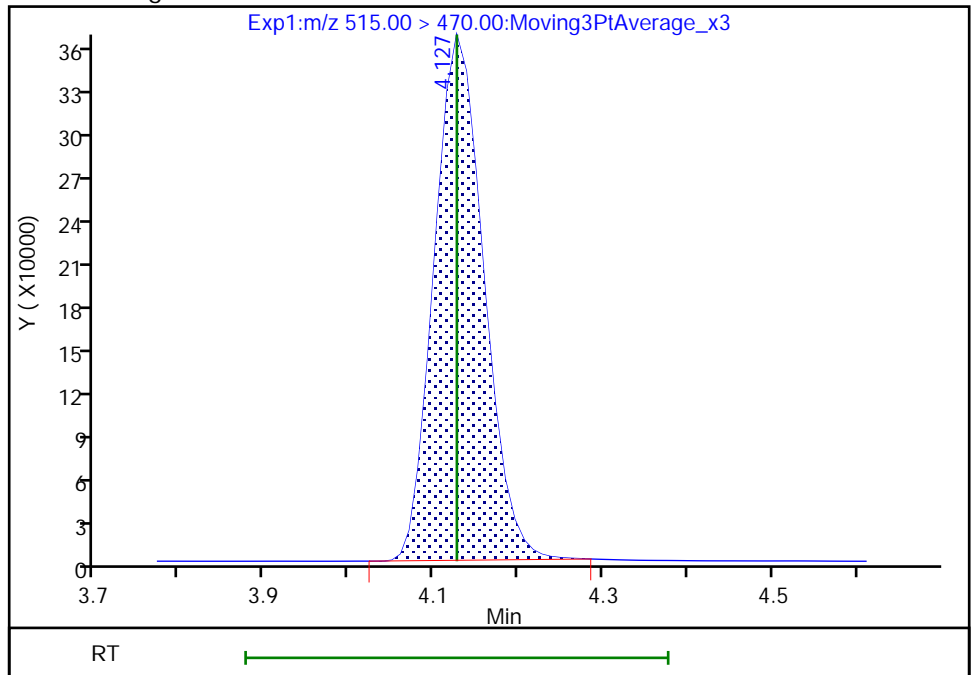
RT: 4.13
Area: 1482848
Amount: 1.193073
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 1471206
Amount: 1.186922
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:58:55
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

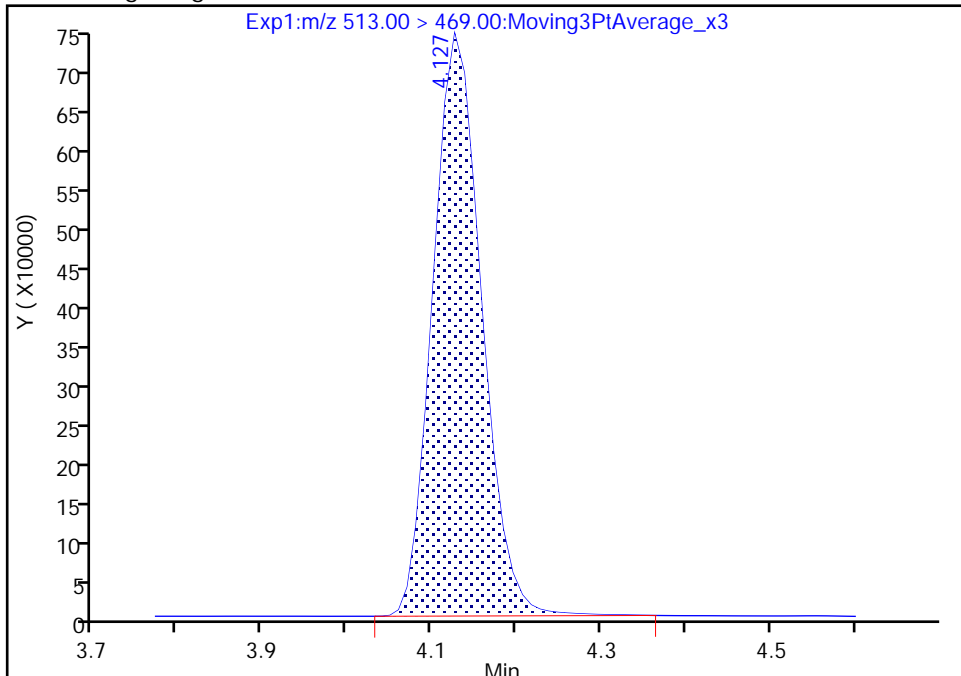
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

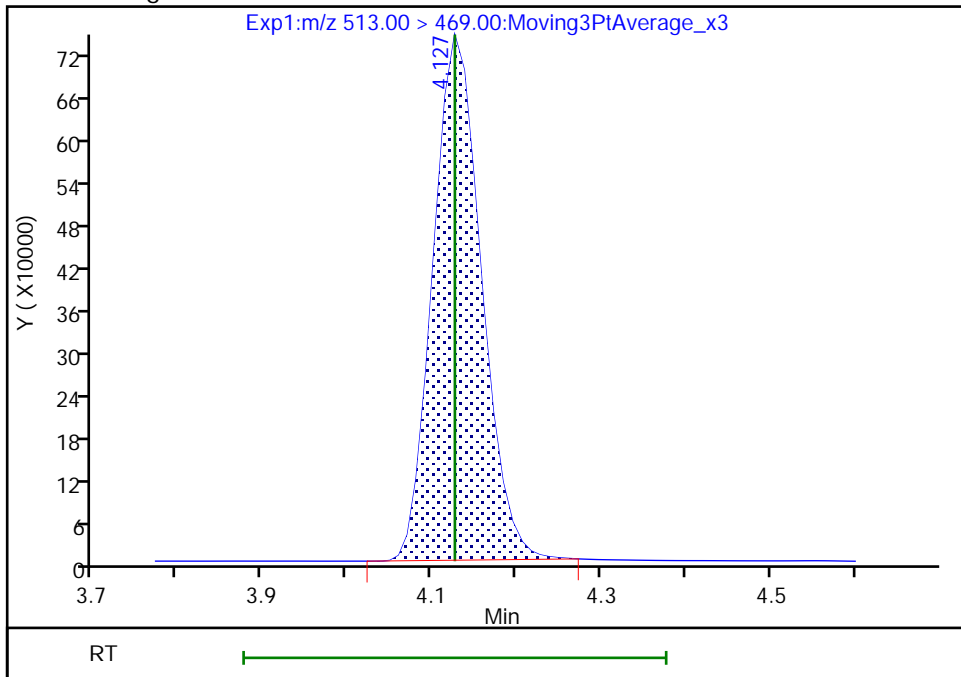
RT: 4.13
Area: 2988644
Amount: 2.398812
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 2964619
Amount: 2.395048
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:58:45
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

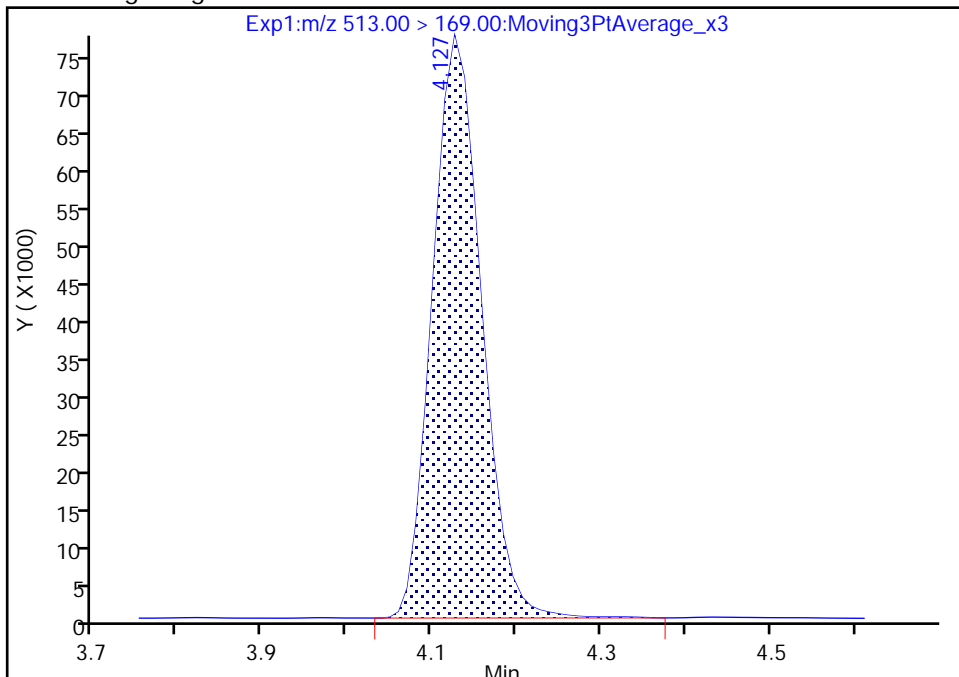
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

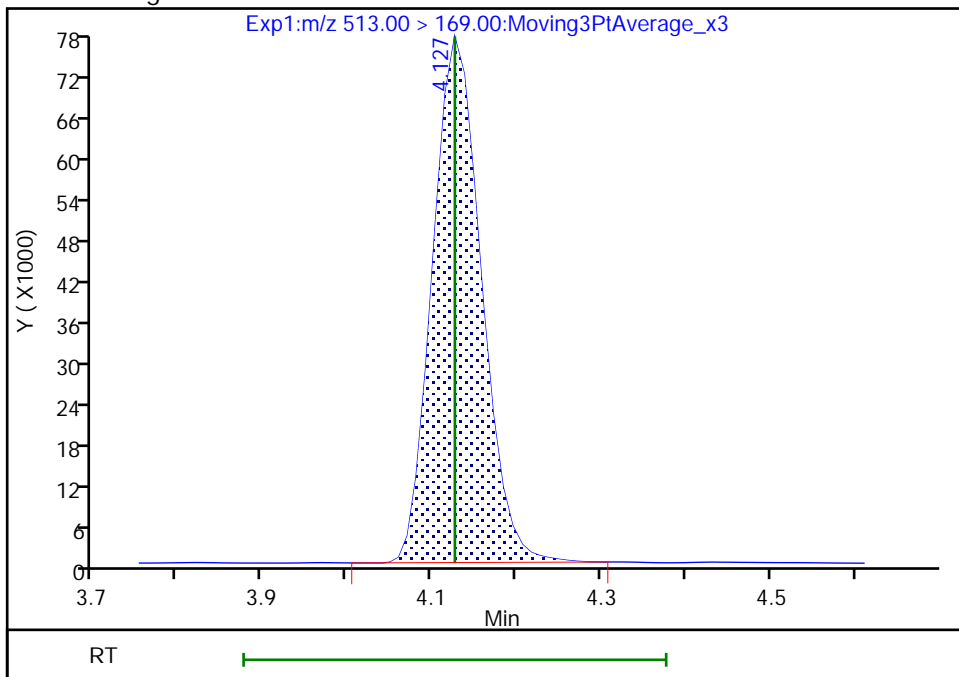
RT: 4.13
Area: 313413
Amount: 2.398812
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 311853
Amount: 2.395048
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:58:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

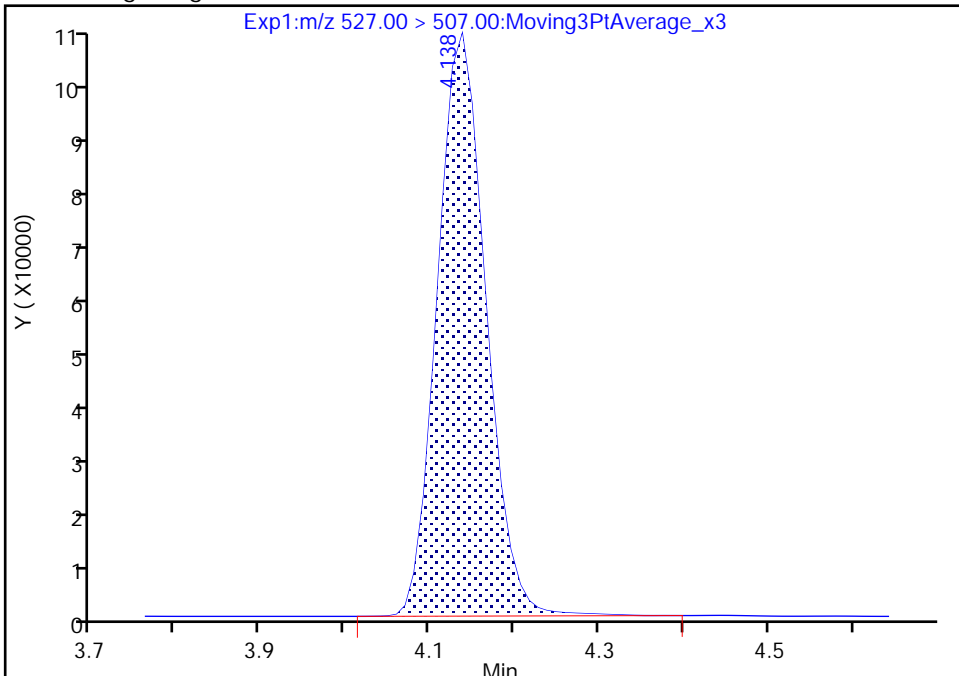
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

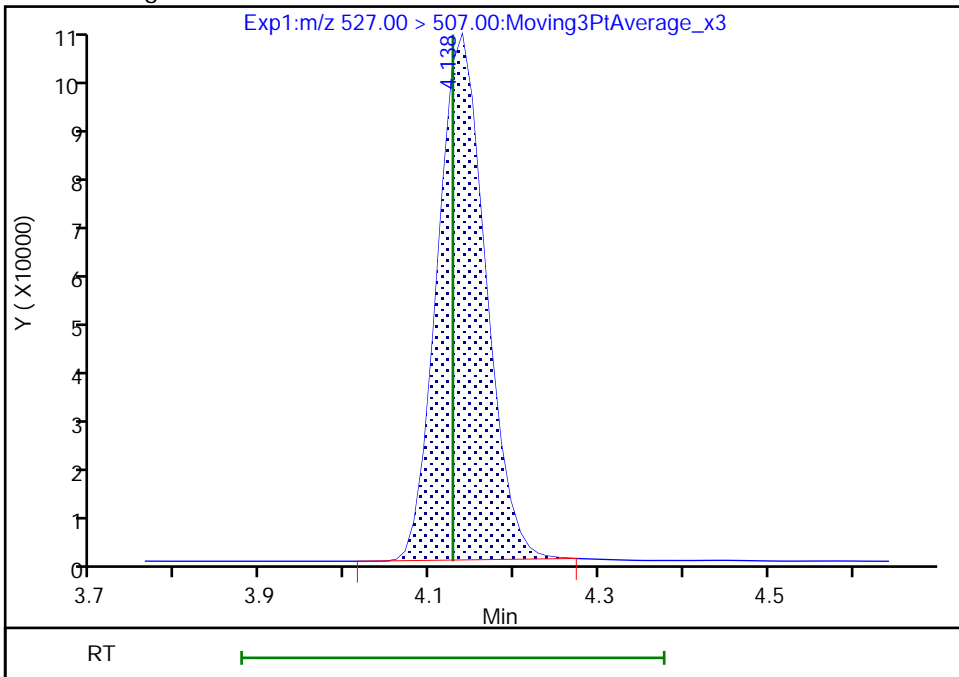
RT: 4.14
Area: 404199
Amount: 2.245079
Amount Units: ng/ml

Processing Integration Results



RT: 4.14
Area: 399769
Amount: 2.277386
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:58:40
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

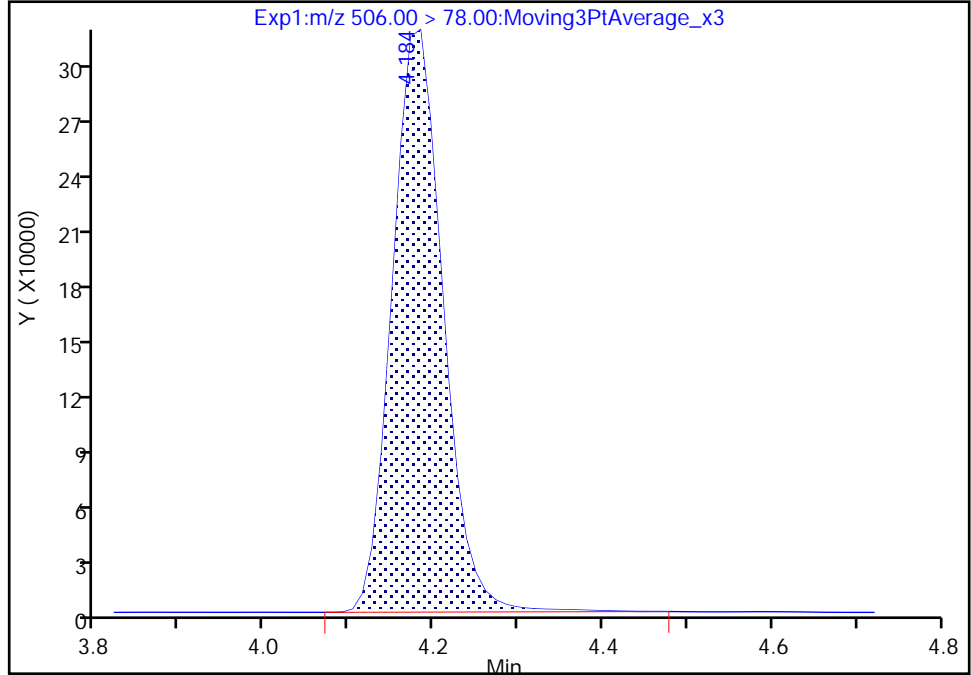
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

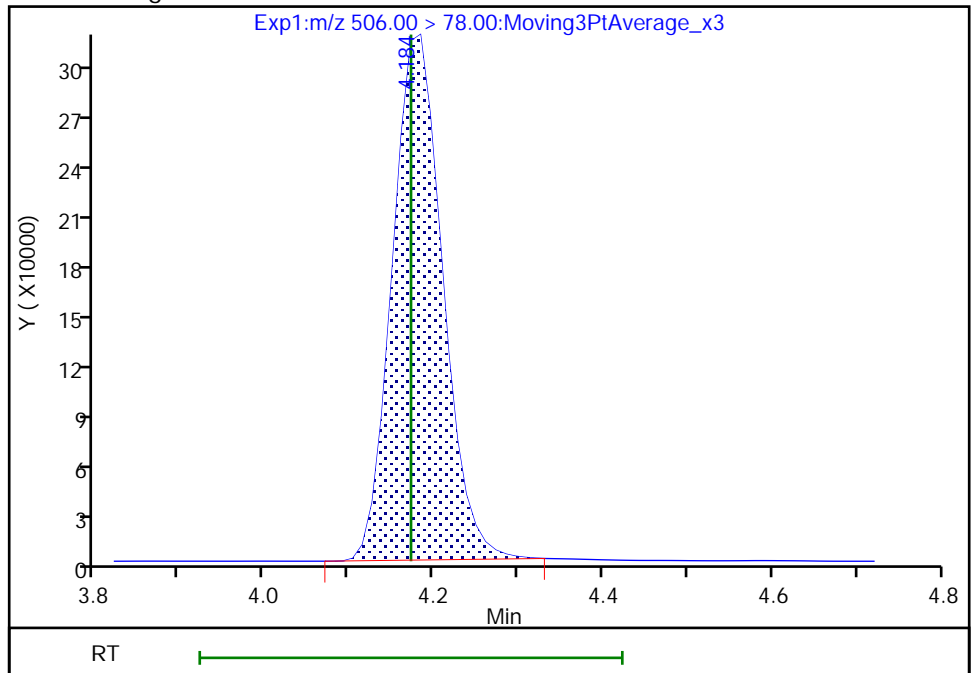
RT: 4.18
Area: 1331972
Amount: 1.156471
Amount Units: ng/ml

Processing Integration Results



RT: 4.18
Area: 1316398
Amount: 1.213435
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:59:03
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

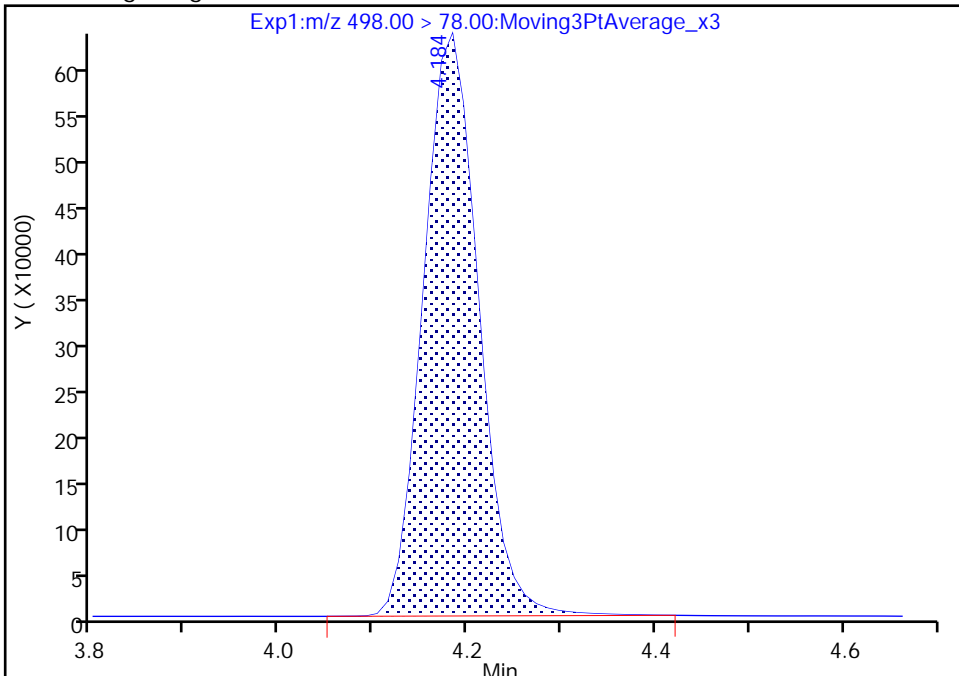
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

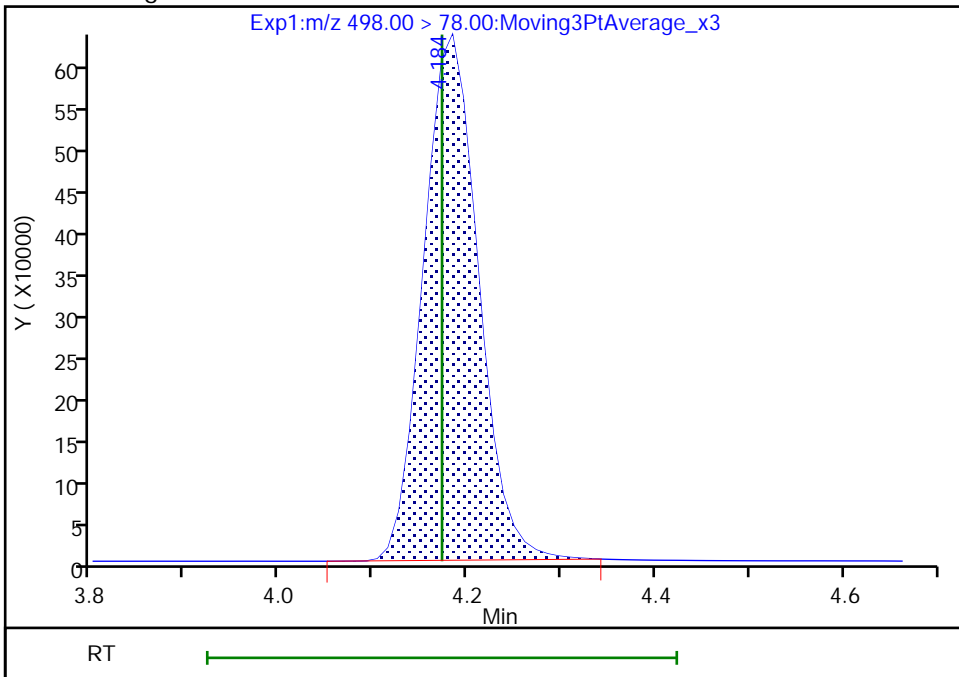
RT: 4.18
Area: 2595304
Amount: 2.422341
Amount Units: ng/ml

Processing Integration Results



RT: 4.18
Area: 2577197
Amount: 2.401555
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:59:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

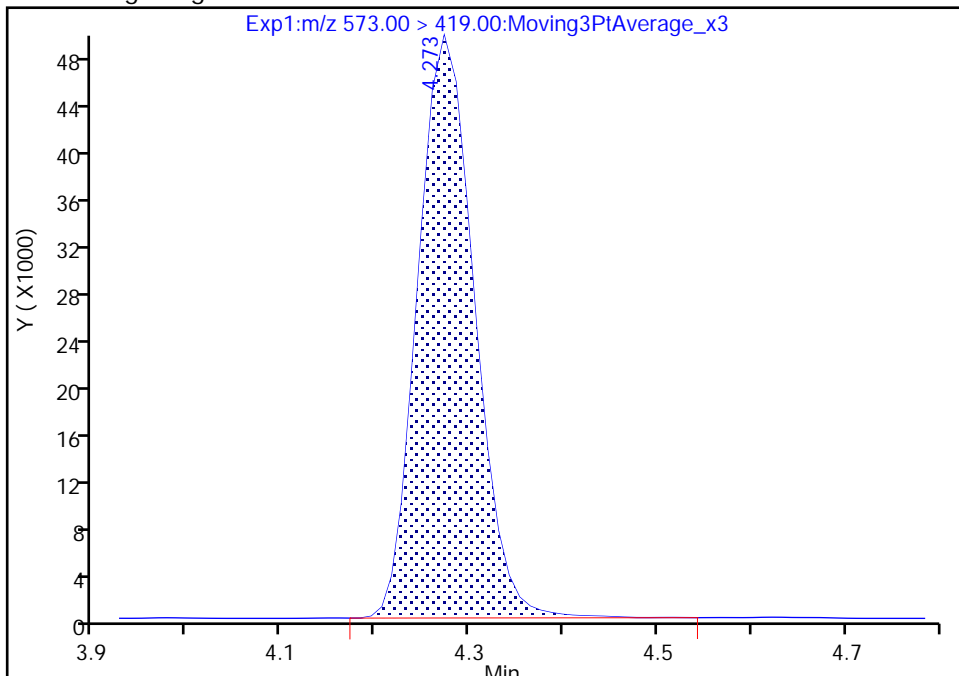
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

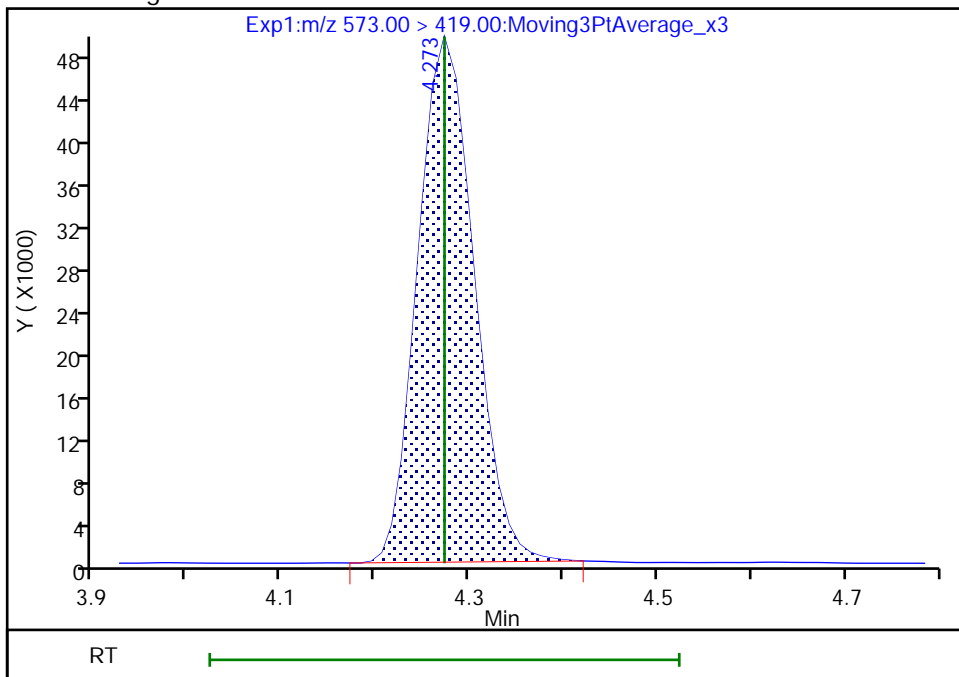
RT: 4.27
Area: 207193
Amount: 1.231549
Amount Units: ng/ml

Processing Integration Results



RT: 4.27
Area: 205583
Amount: 1.237454
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:59:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

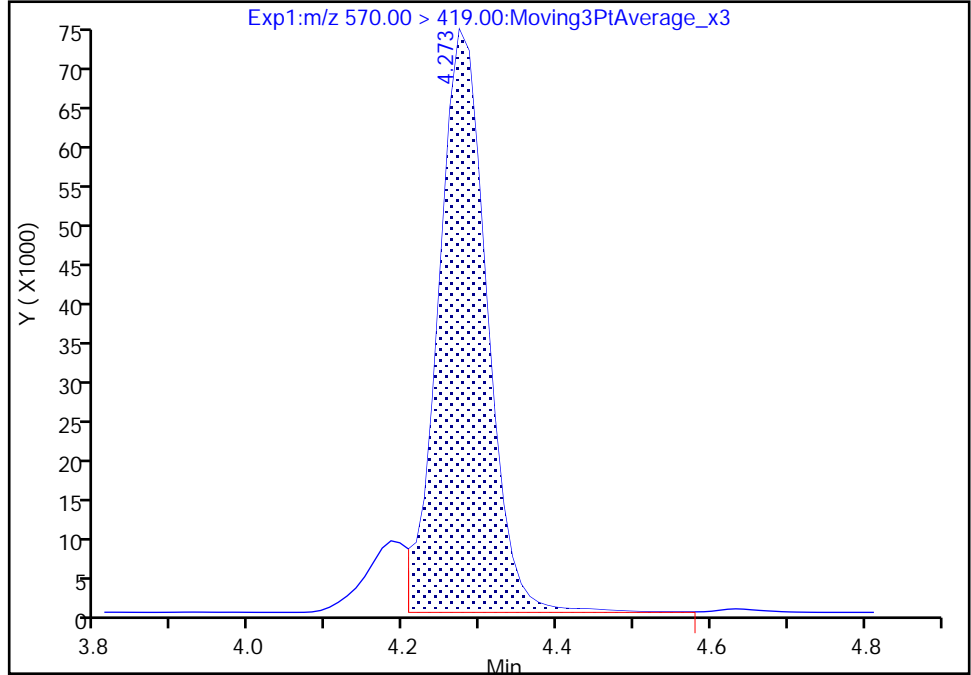
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

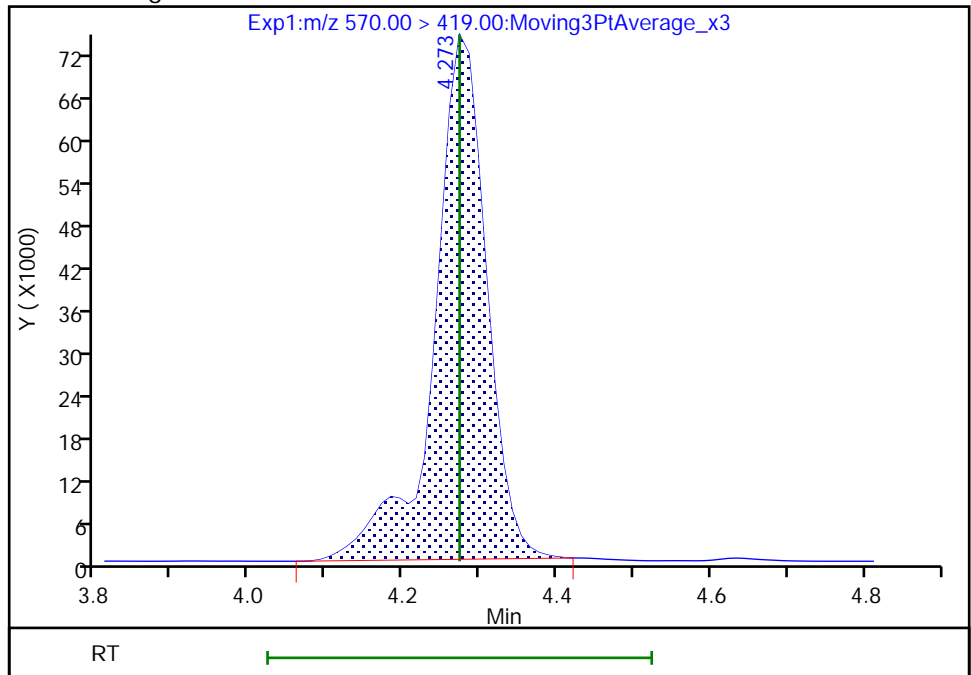
RT: 4.27
Area: 323980
Amount: 2.234704
Amount Units: ng/ml

Processing Integration Results



RT: 4.27
Area: 350351
Amount: 2.398606
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:59:13
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

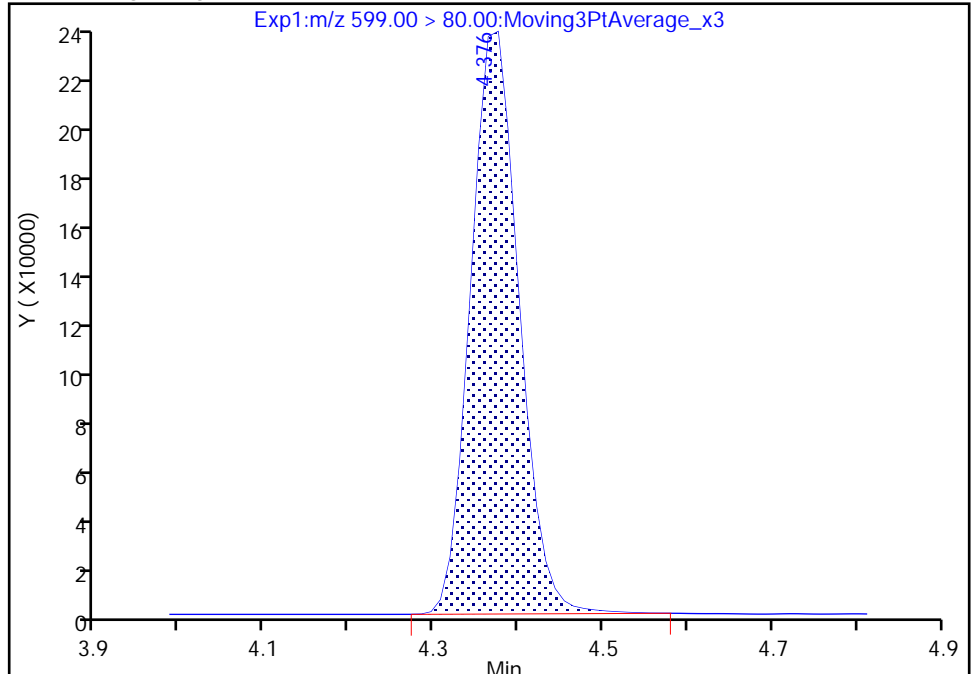
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

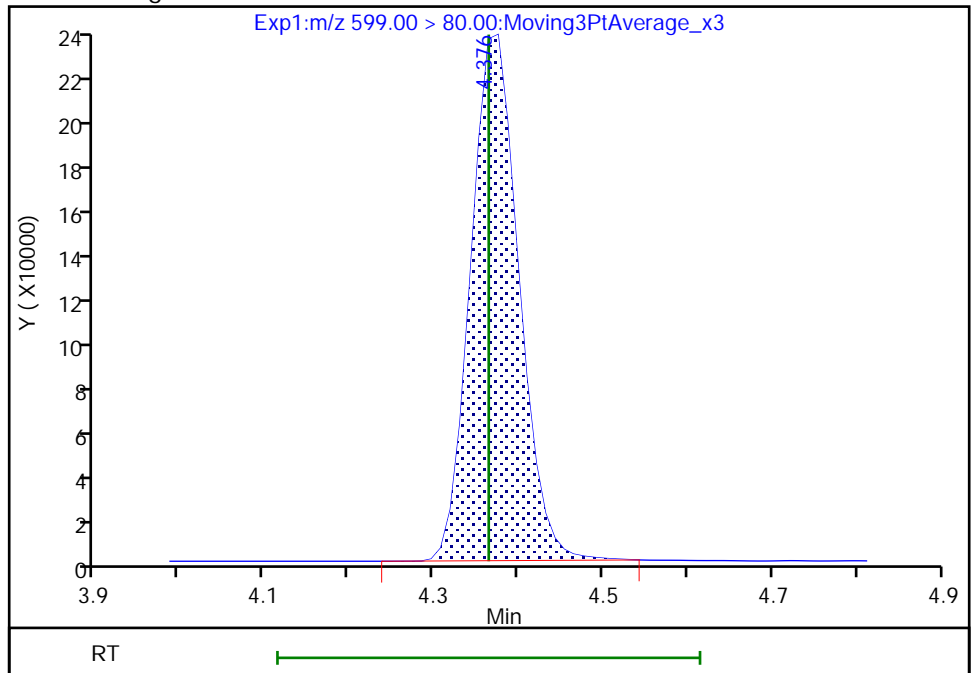
RT: 4.38
Area: 936525
Amount: 2.308051
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 934202
Amount: 2.323189
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:59:24
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

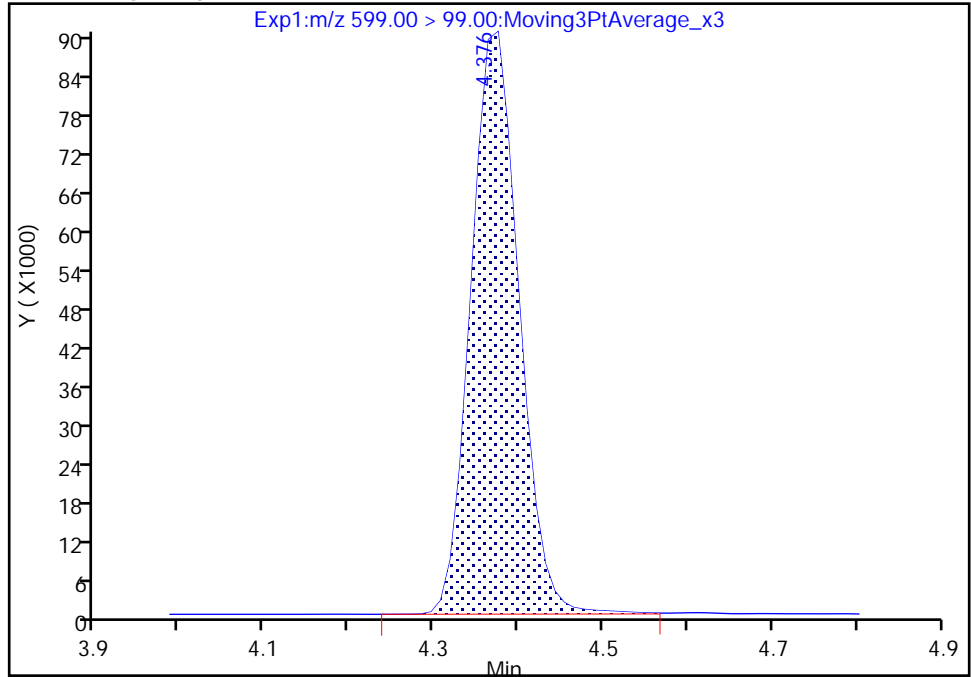
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

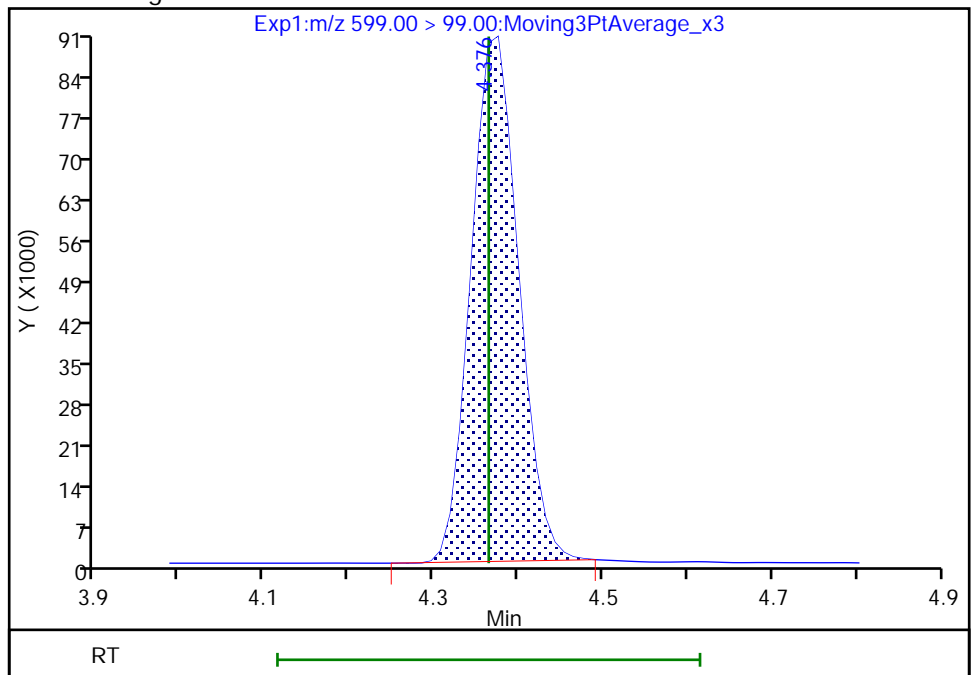
RT: 4.38
Area: 358853
Amount: 2.308051
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 353361
Amount: 2.323189
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:59:28

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

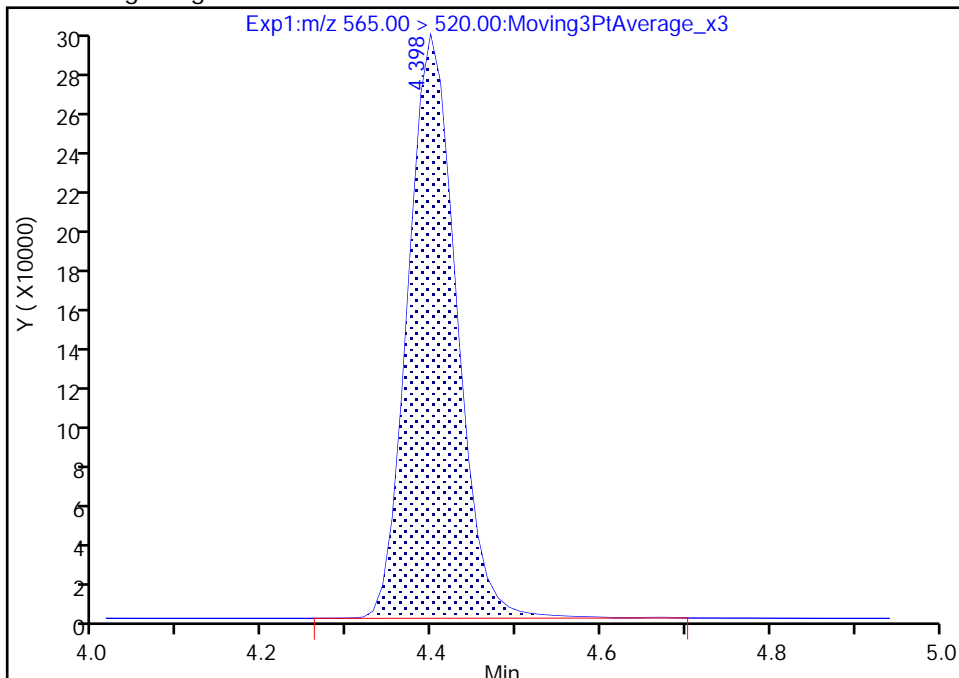
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

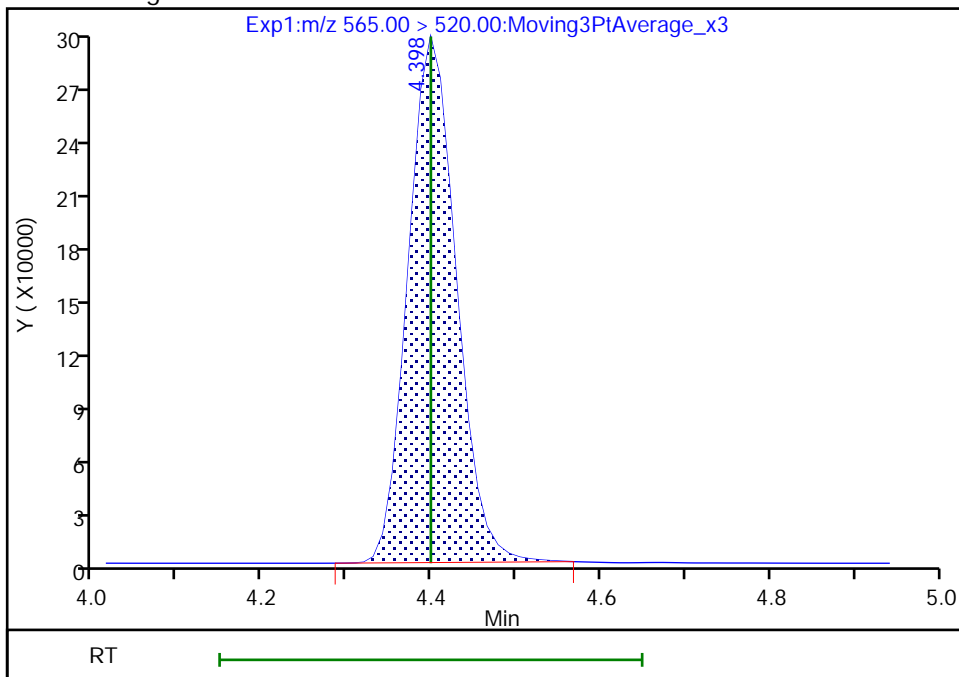
RT: 4.40
Area: 1171704
Amount: 1.219979
Amount Units: ng/ml

Processing Integration Results



RT: 4.40
Area: 1162923
Amount: 1.238271
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:59:34
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

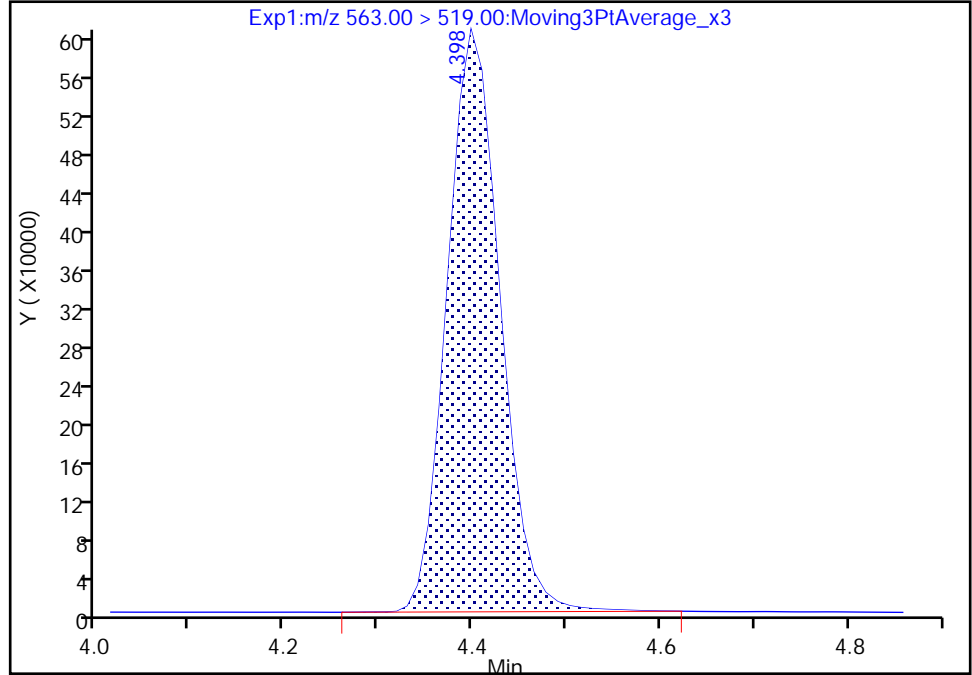
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

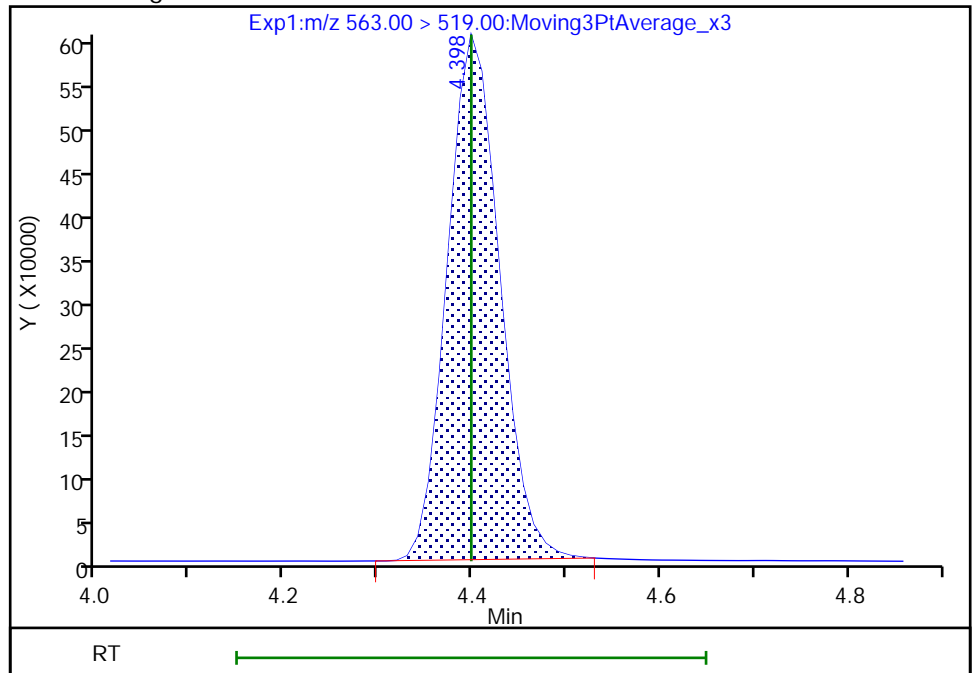
RT: 4.40
Area: 2338708
Amount: 2.391819
Amount Units: ng/ml

Processing Integration Results



RT: 4.40
Area: 2312817
Amount: 2.346523
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:59:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

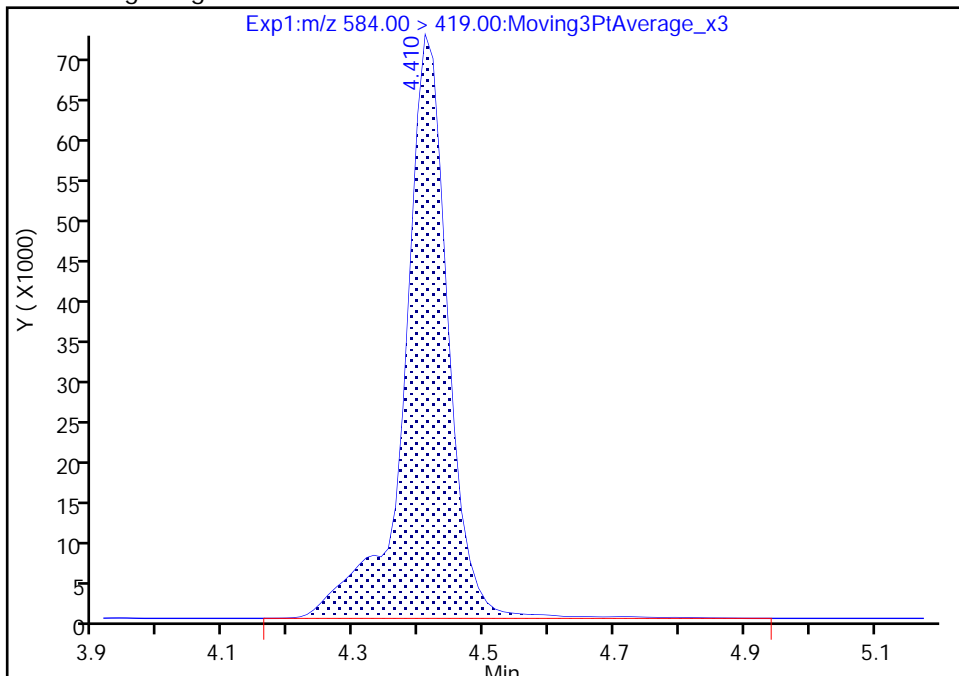
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

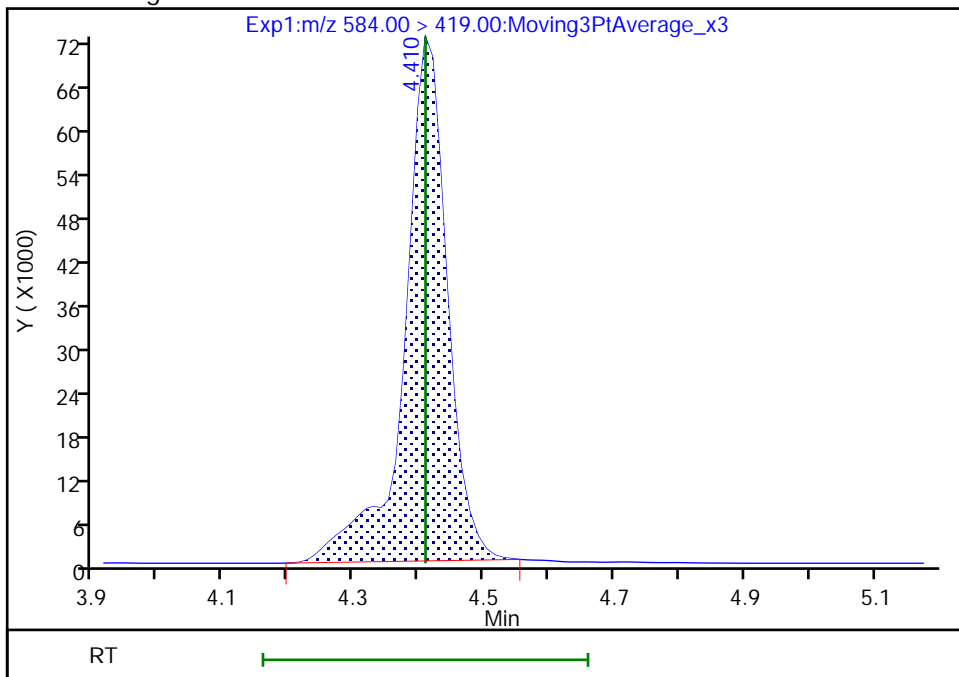
RT: 4.41
Area: 338808
Amount: 2.376370
Amount Units: ng/ml

Processing Integration Results



RT: 4.41
Area: 329631
Amount: 2.322743
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:59:44
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

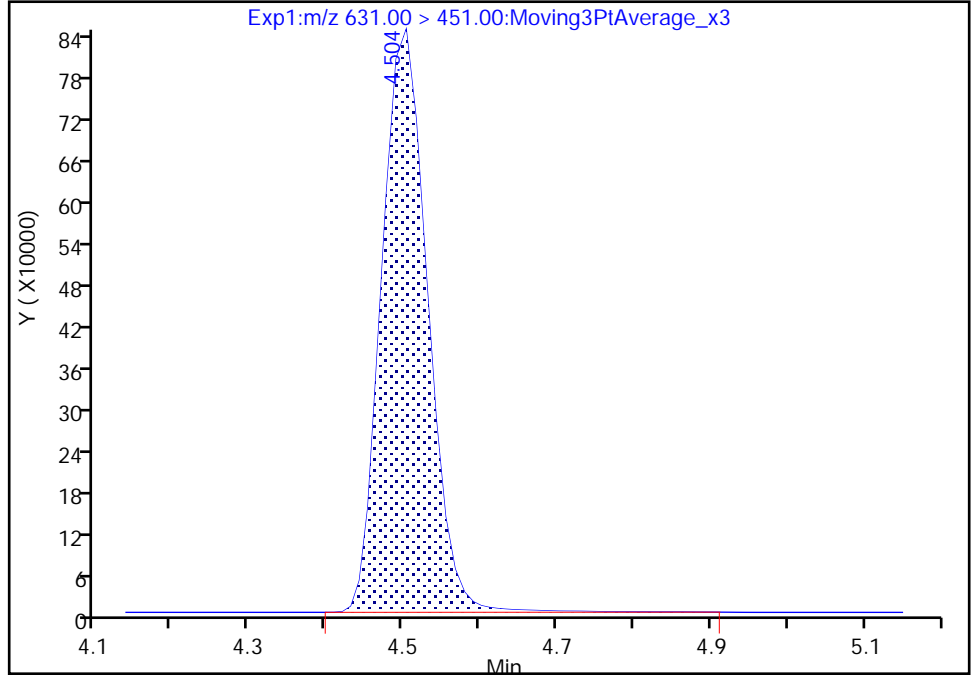
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

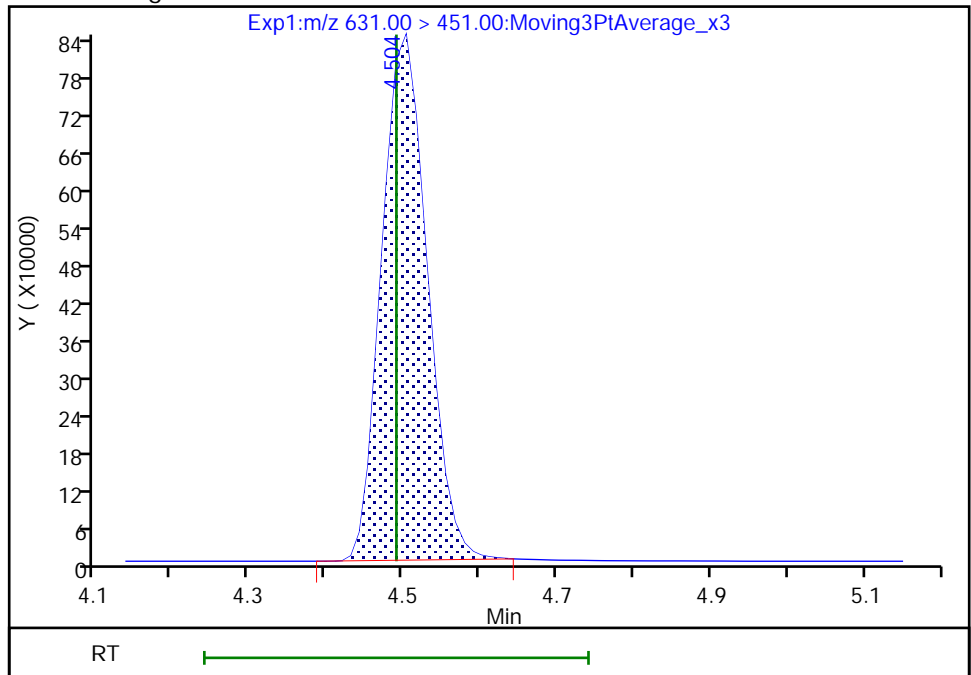
RT: 4.50
Area: 3521952
Amount: 2.211109
Amount Units: ng/ml

Processing Integration Results



RT: 4.50
Area: 3478140
Amount: 2.191935
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:59:52
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

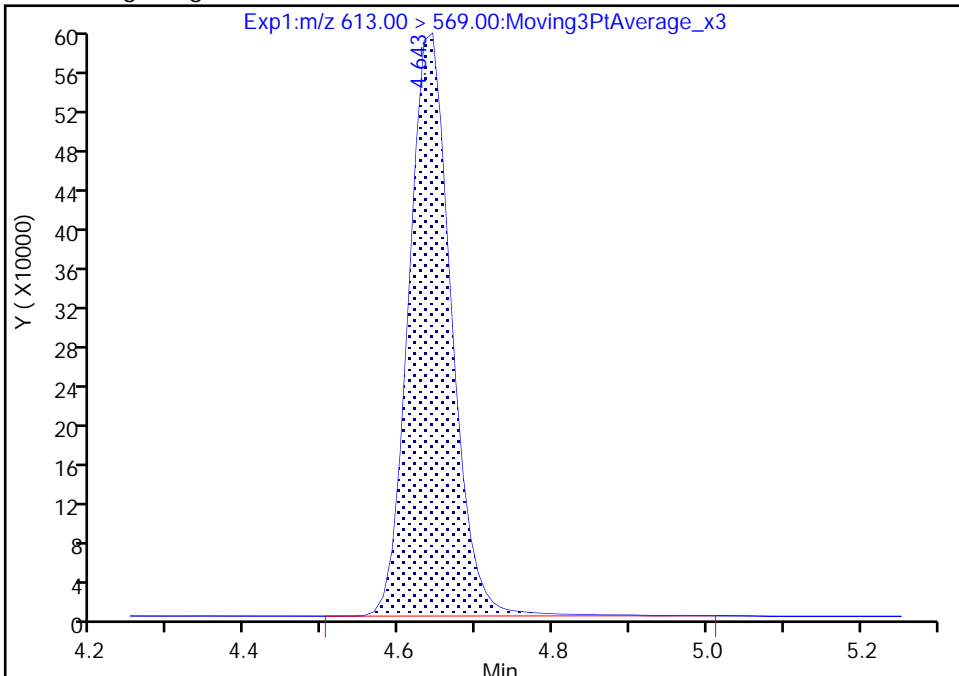
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

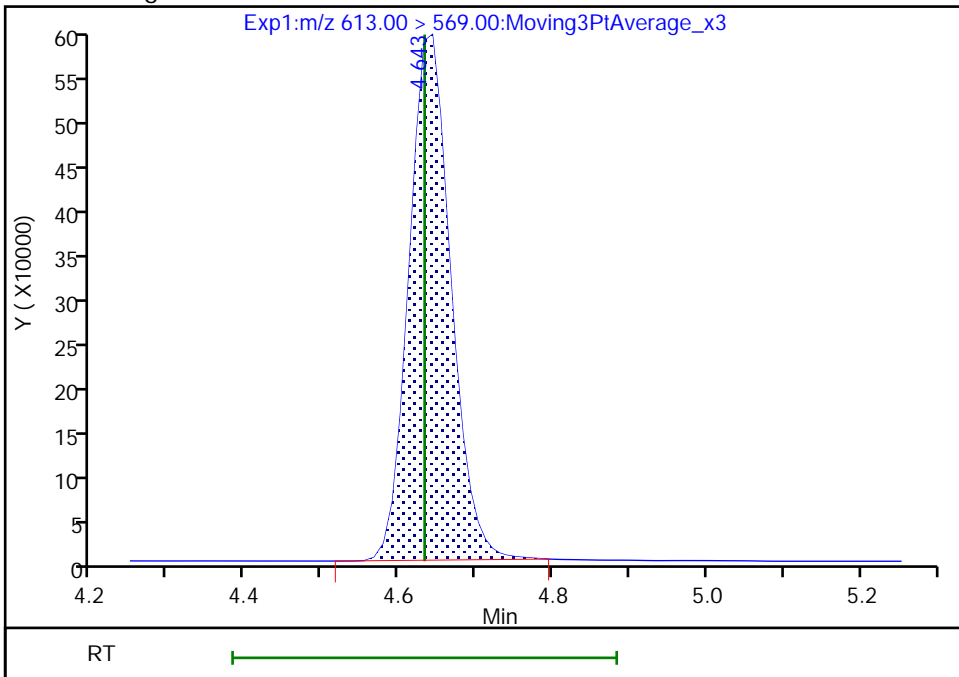
RT: 4.64
Area: 2281722
Amount: 2.351526
Amount Units: ng/ml

Processing Integration Results



RT: 4.64
Area: 2257049
Amount: 2.326708
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 13:59:58
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

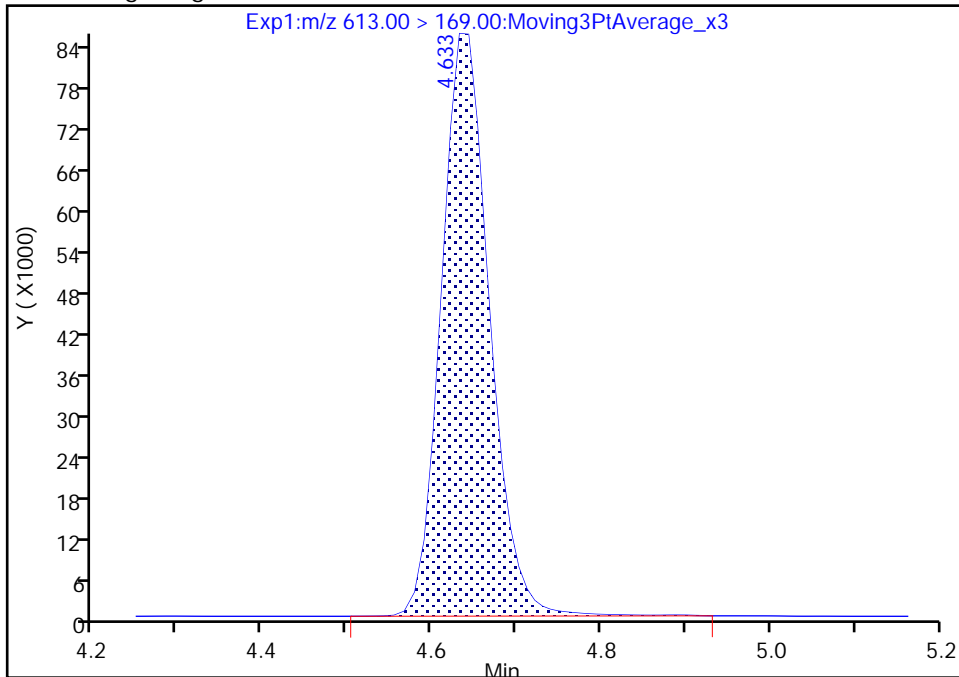
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

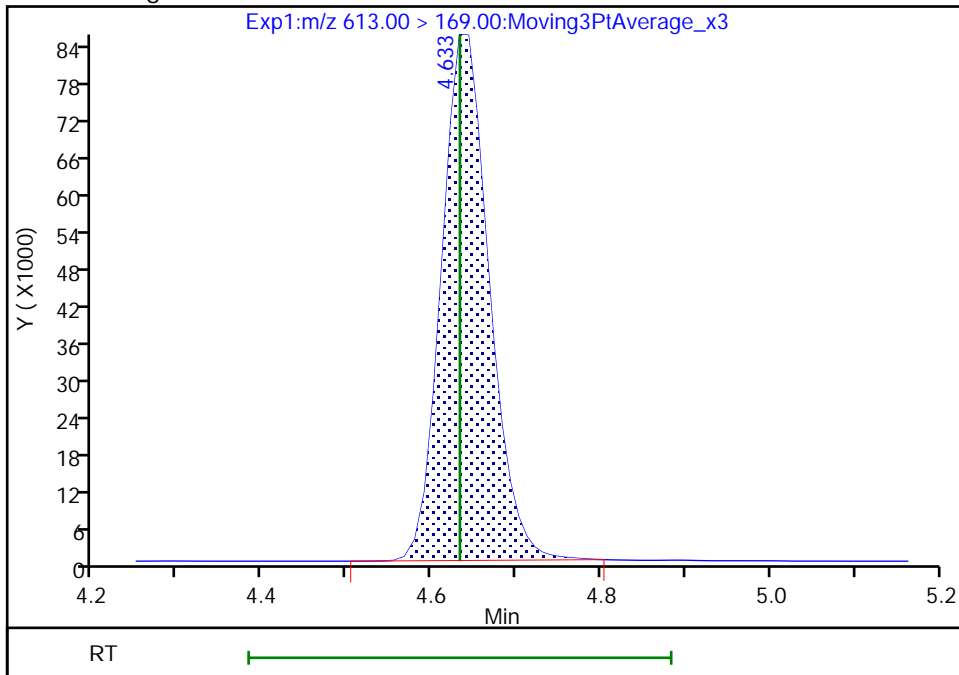
RT: 4.63
Area: 337189
Amount: 2.351526
Amount Units: ng/ml

Processing Integration Results



RT: 4.63
Area: 334655
Amount: 2.326708
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:00:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

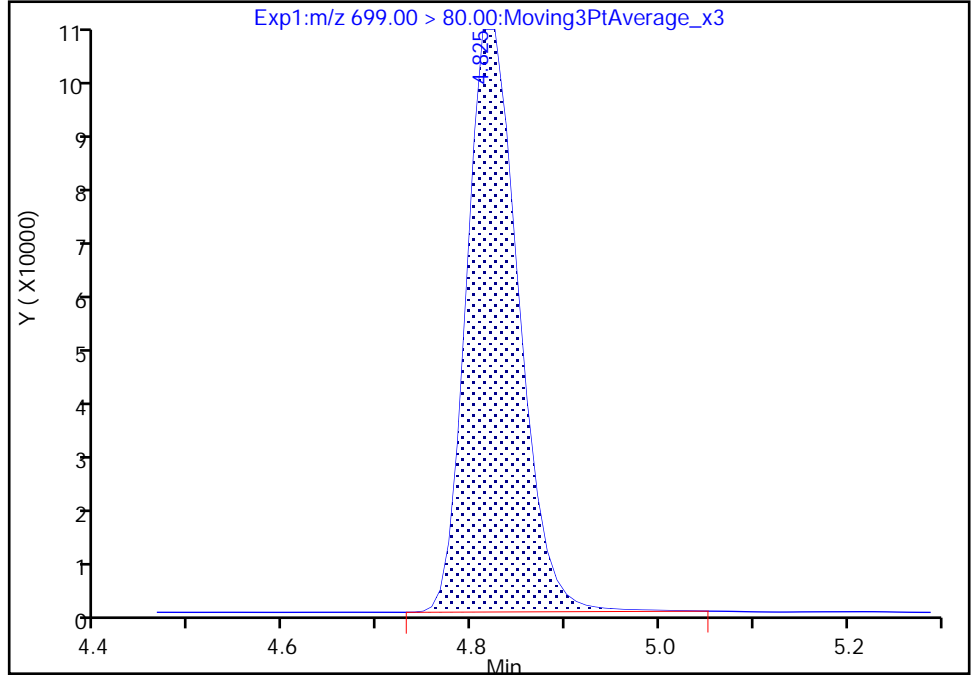
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

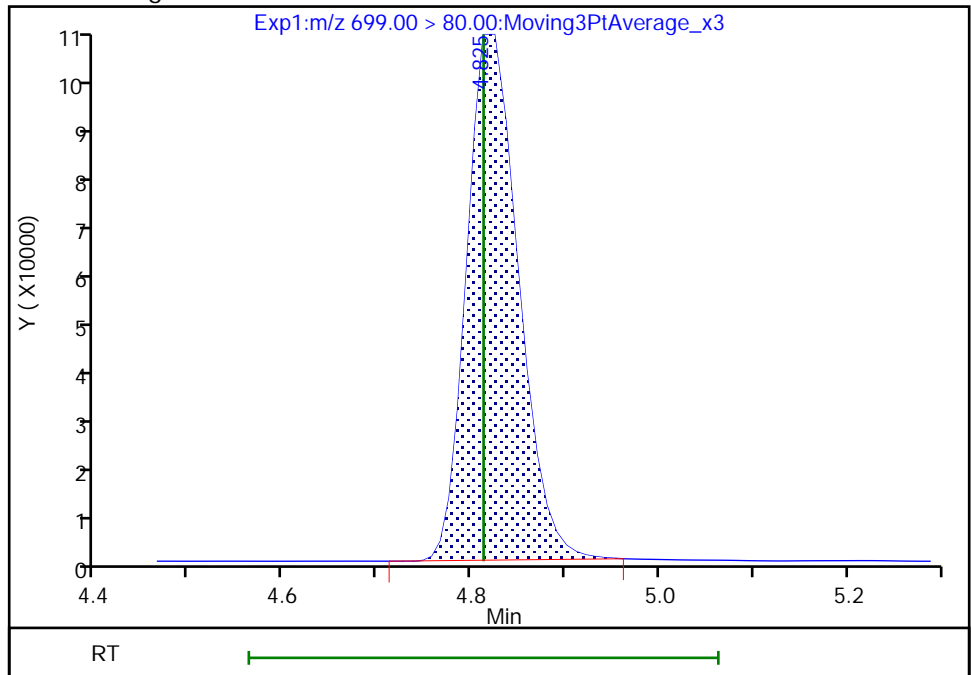
RT: 4.82
Area: 399815
Amount: 2.212612
Amount Units: ng/ml

Processing Integration Results



RT: 4.82
Area: 396436
Amount: 2.220415
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:00:09
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

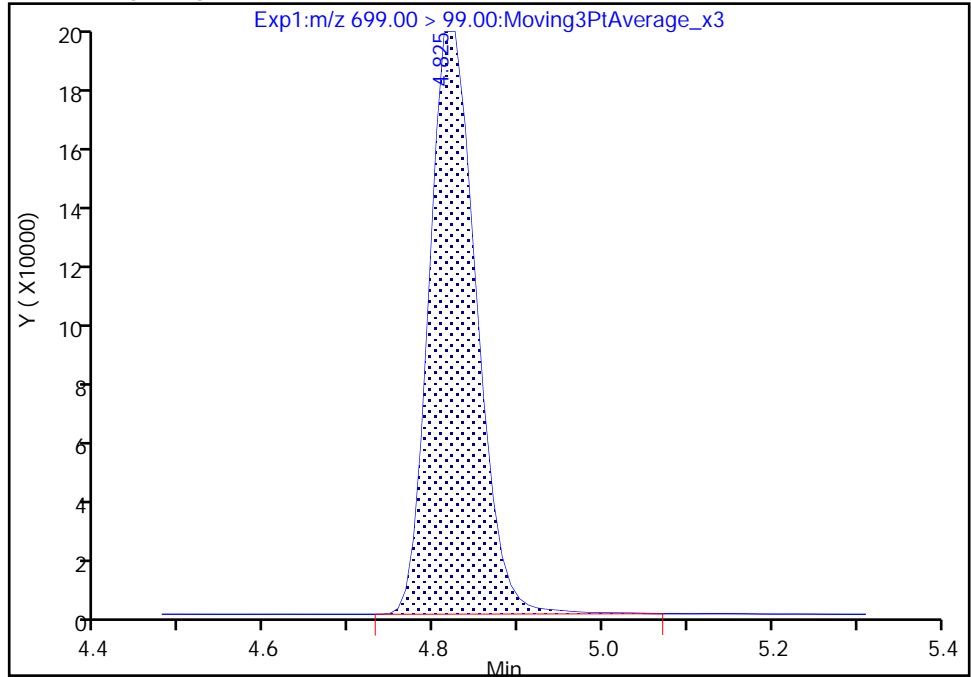
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 2

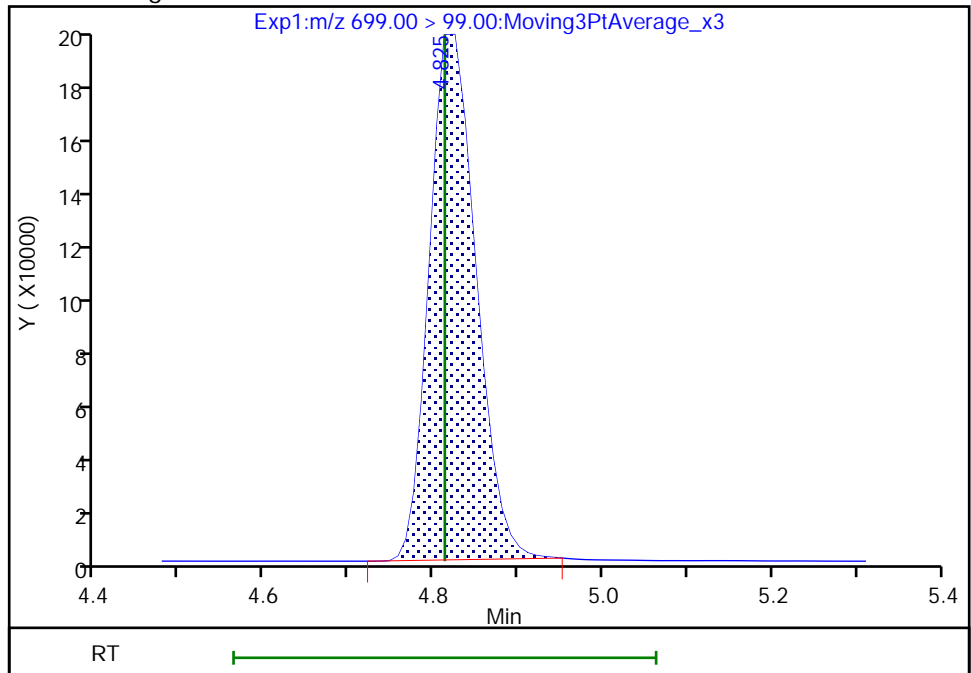
RT: 4.82
Area: 743373
Amount: 2.212612
Amount Units: ng/ml

Processing Integration Results



RT: 4.82
Area: 734014
Amount: 2.220415
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:00:12

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

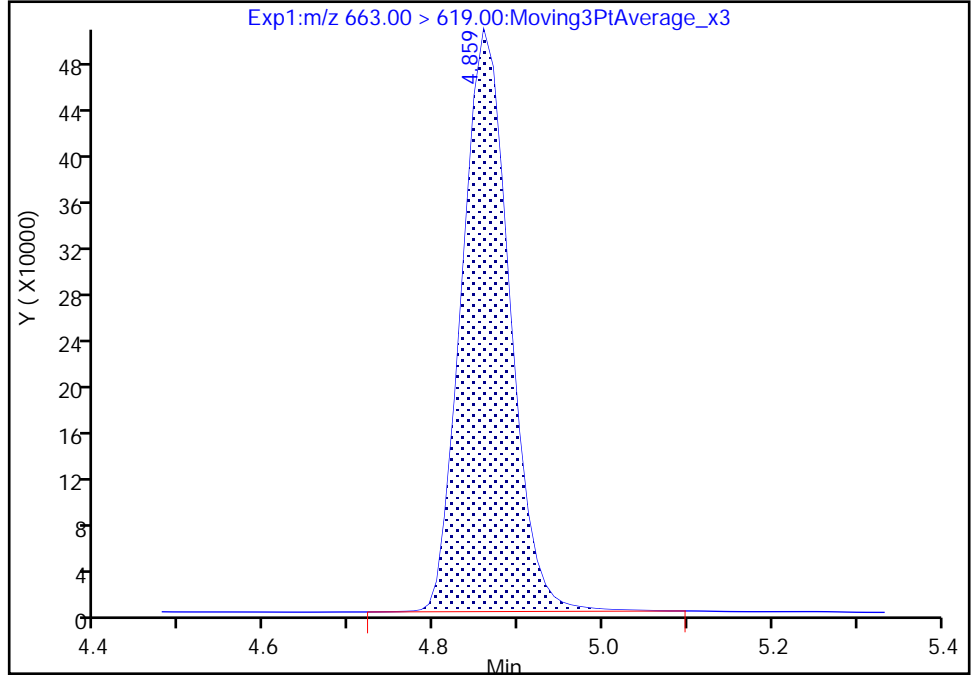
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

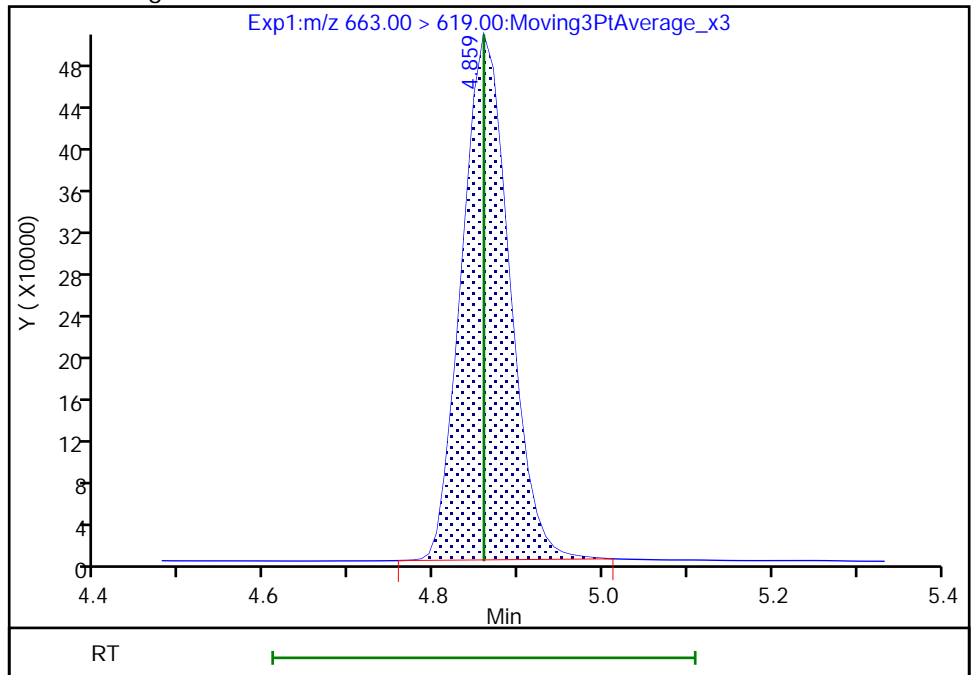
RT: 4.86
Area: 1976868
Amount: 2.334866
Amount Units: ng/ml

Processing Integration Results



RT: 4.86
Area: 1962703
Amount: 2.334014
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:00:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

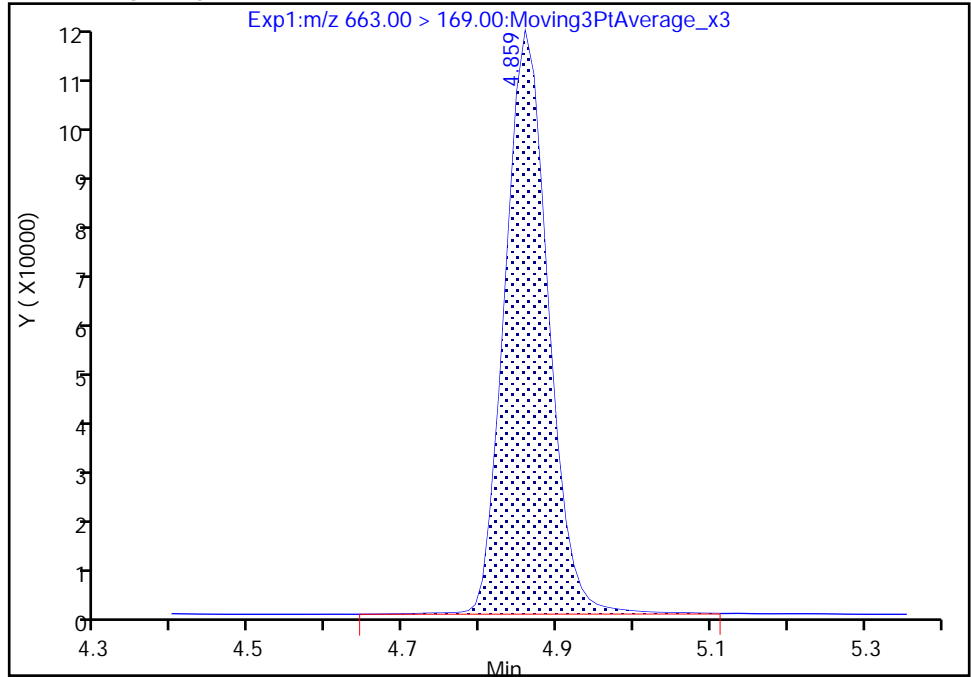
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

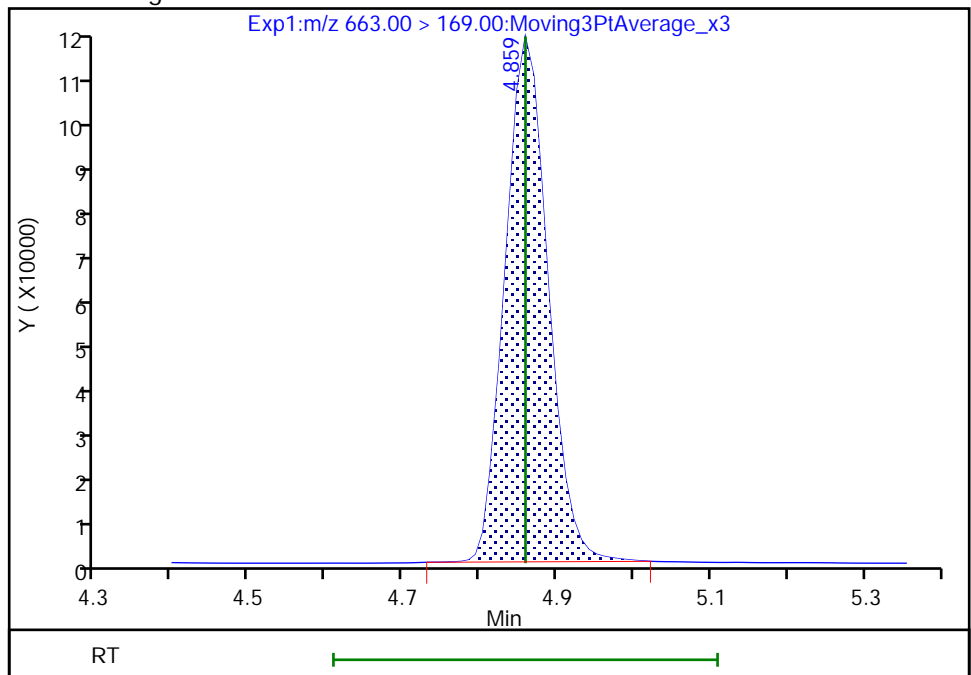
RT: 4.86
Area: 438867
Amount: 2.334866
Amount Units: ng/ml

Processing Integration Results



RT: 4.86
Area: 432883
Amount: 2.334014
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:00:23

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

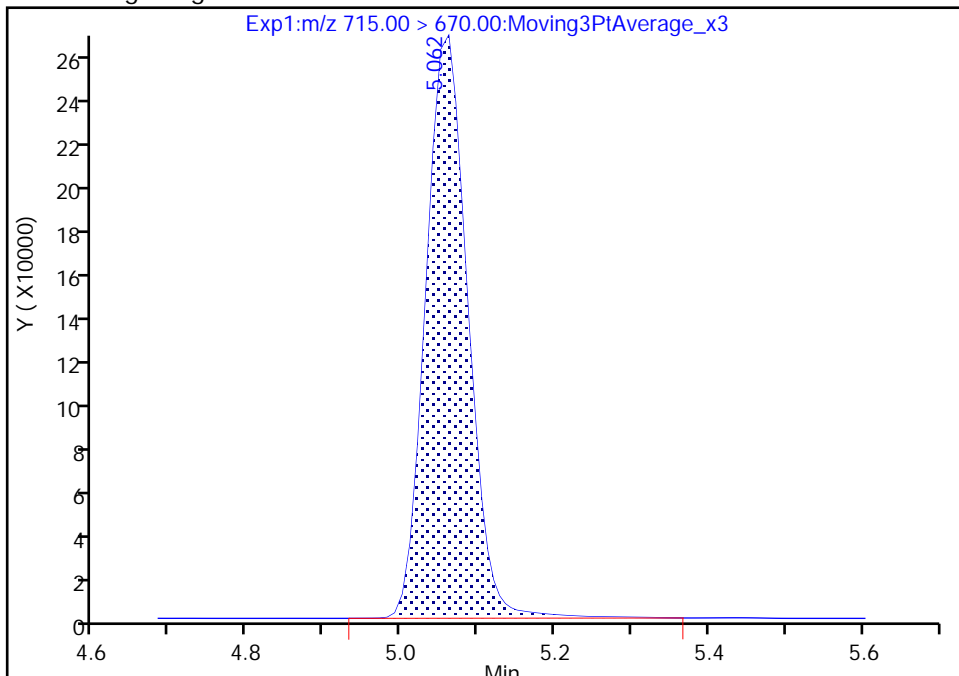
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

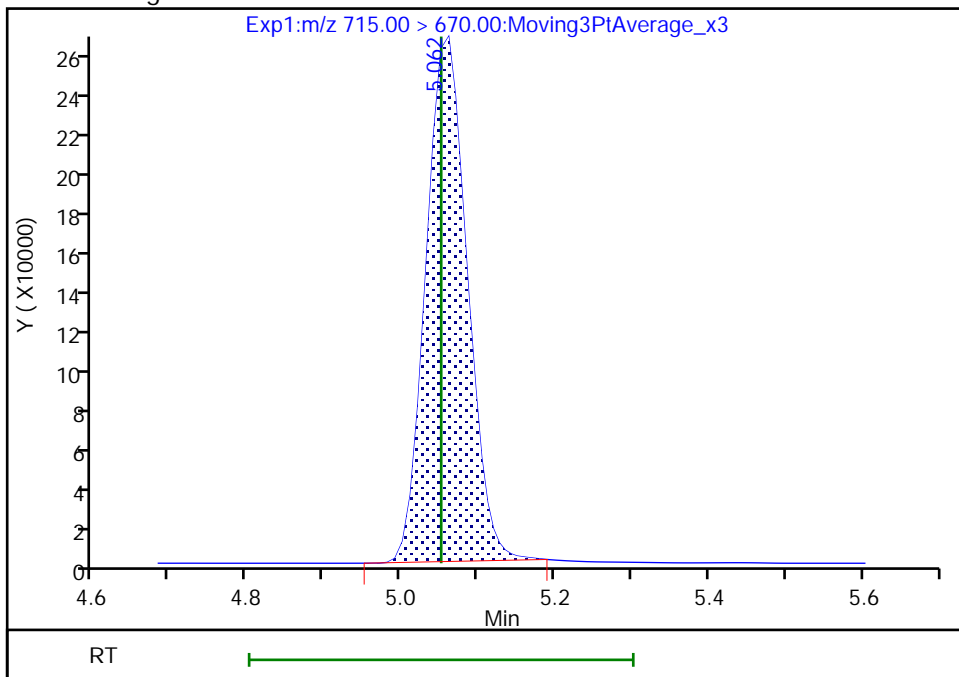
RT: 5.06
Area: 998442
Amount: 1.220089
Amount Units: ng/ml

Processing Integration Results



RT: 5.06
Area: 979883
Amount: 1.231701
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:00:30
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

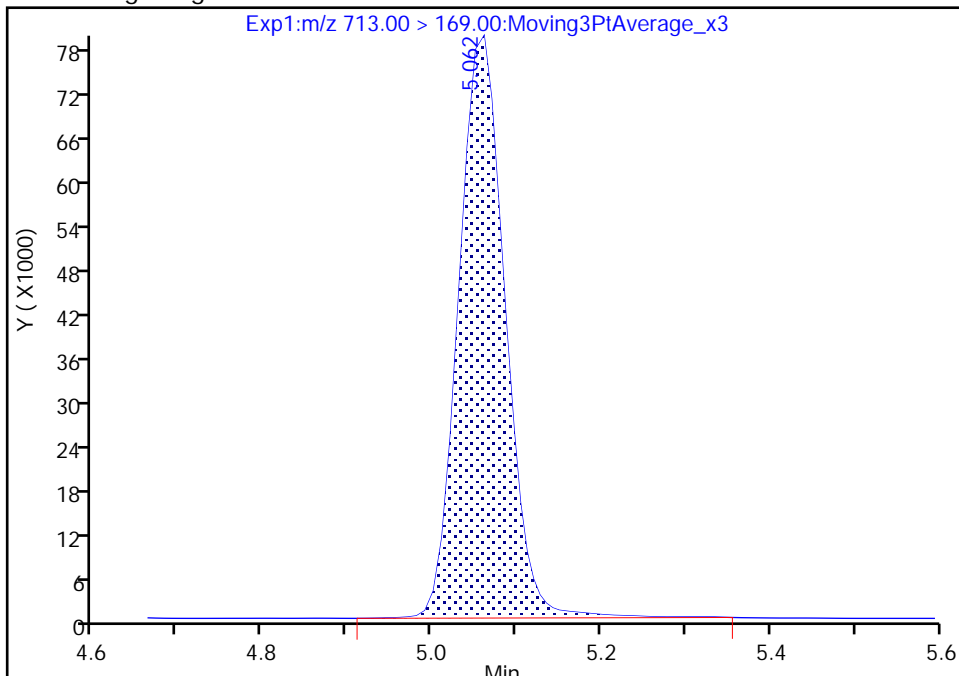
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

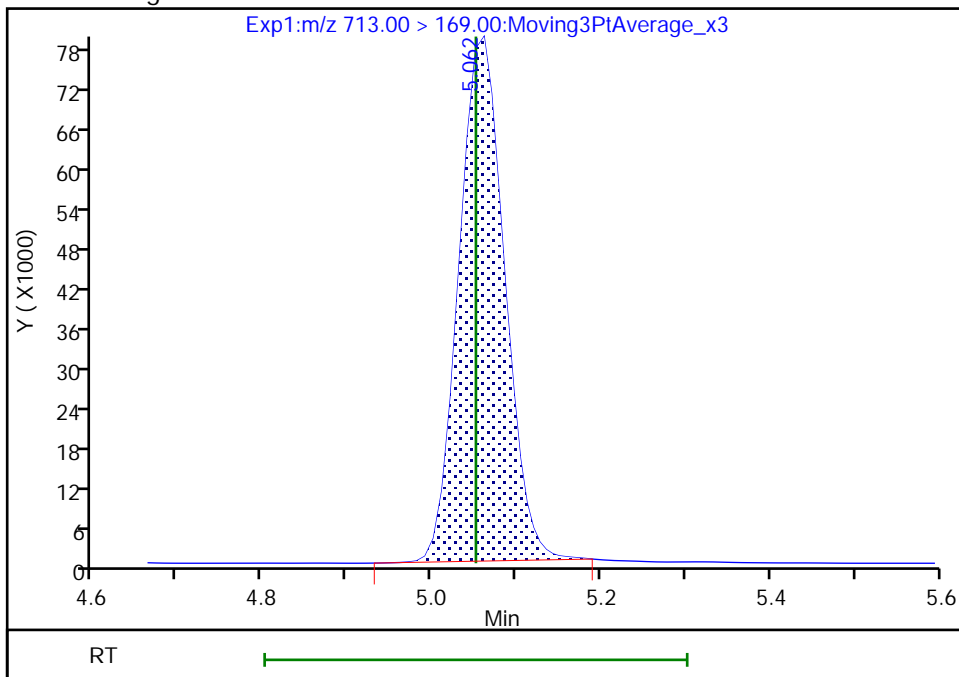
RT: 5.06
Area: 303758
Amount: 2.409911
Amount Units: ng/ml

Processing Integration Results



RT: 5.06
Area: 297564
Amount: 2.369318
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:00:34
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

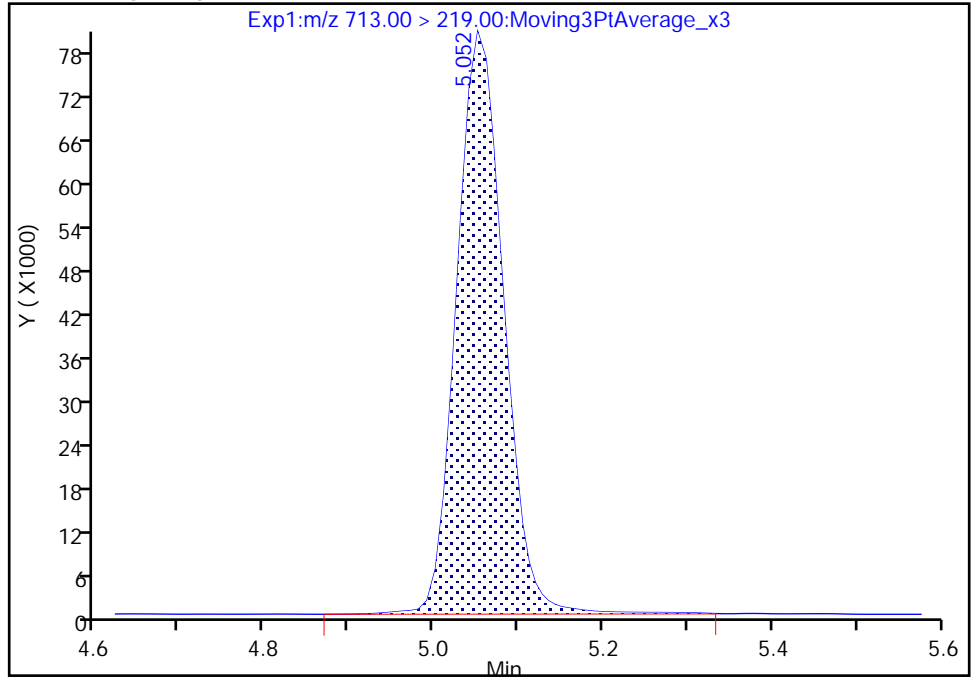
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

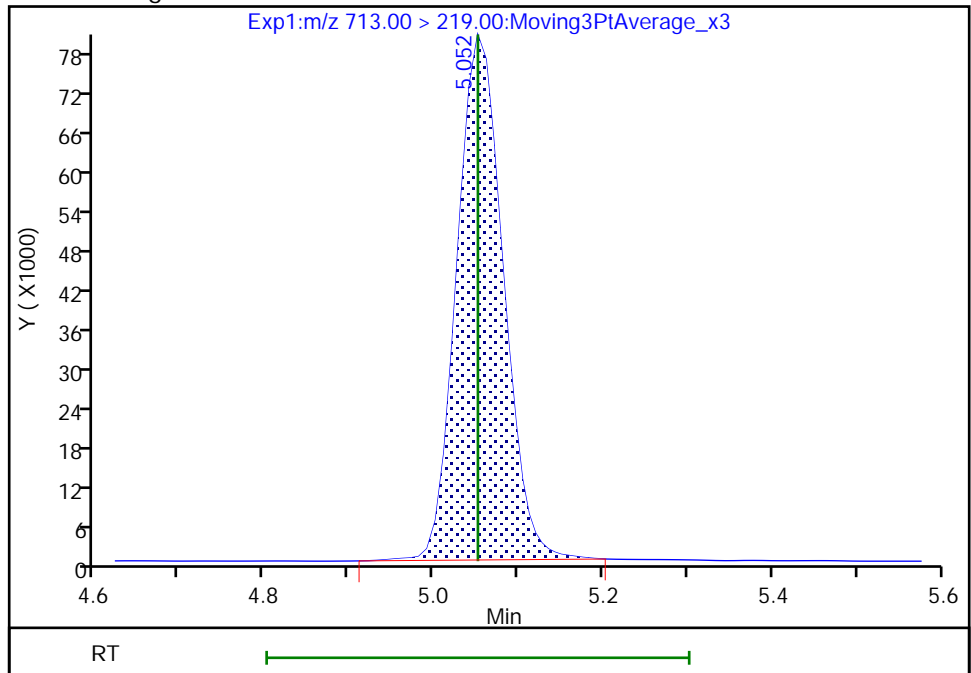
RT: 5.05
Area: 308951
Amount: 2.409911
Amount Units: ng/ml

Processing Integration Results



RT: 5.05
Area: 304623
Amount: 2.369318
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:00:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

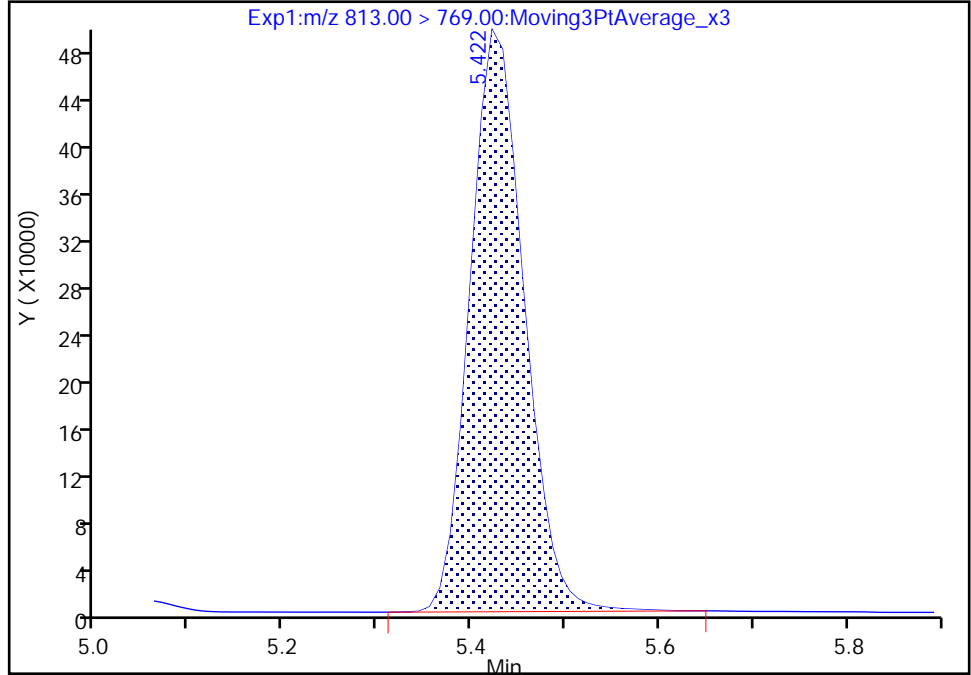
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

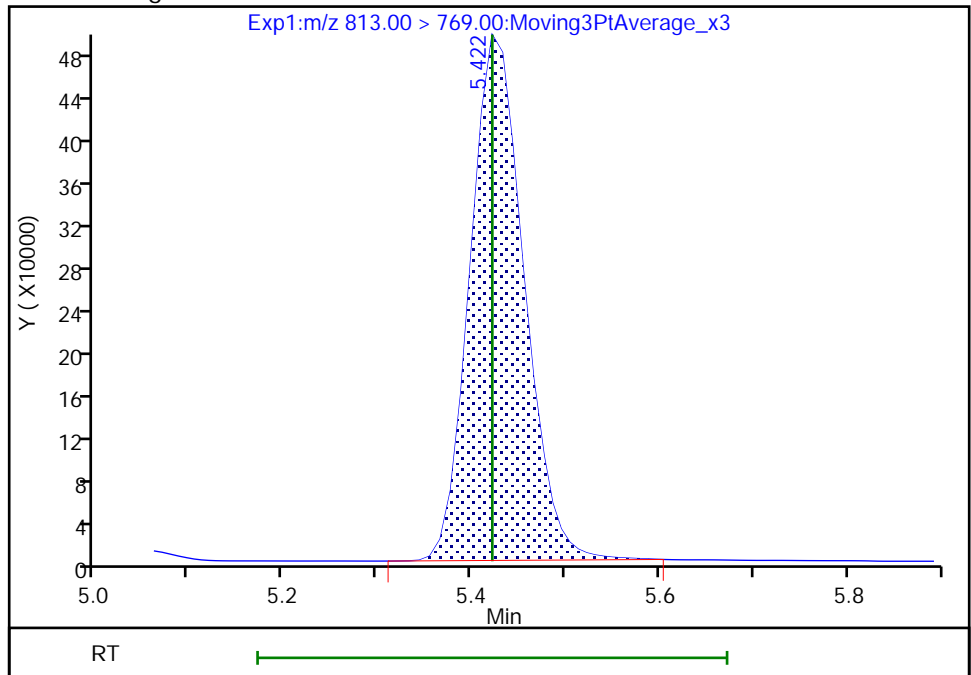
RT: 5.42
Area: 1995676
Amount: 2.489919
Amount Units: ng/ml

Processing Integration Results



RT: 5.42
Area: 1990402
Amount: 2.456727
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:00:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

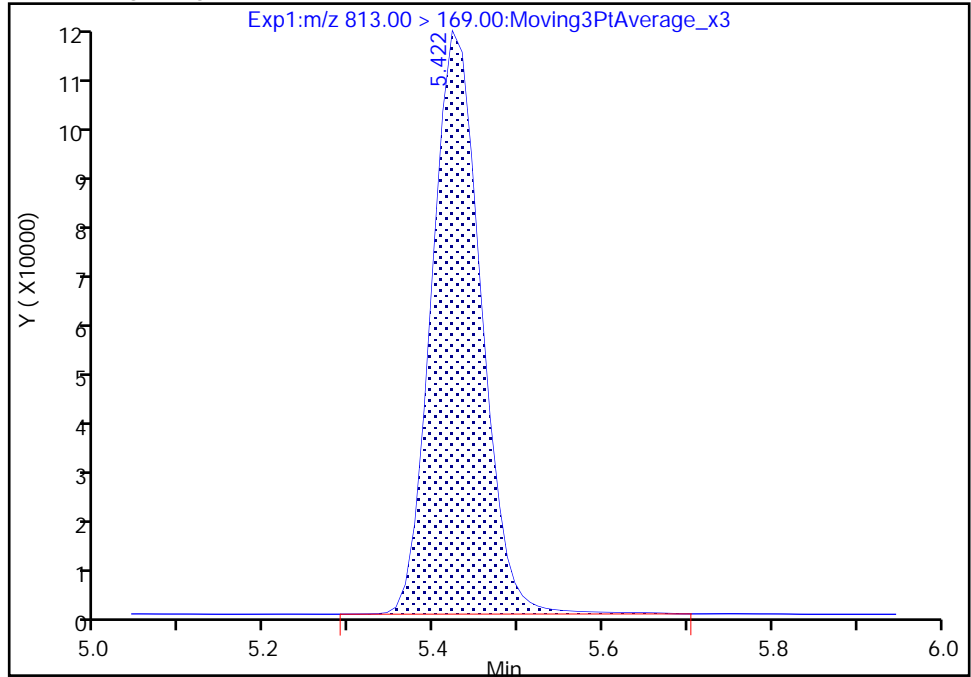
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

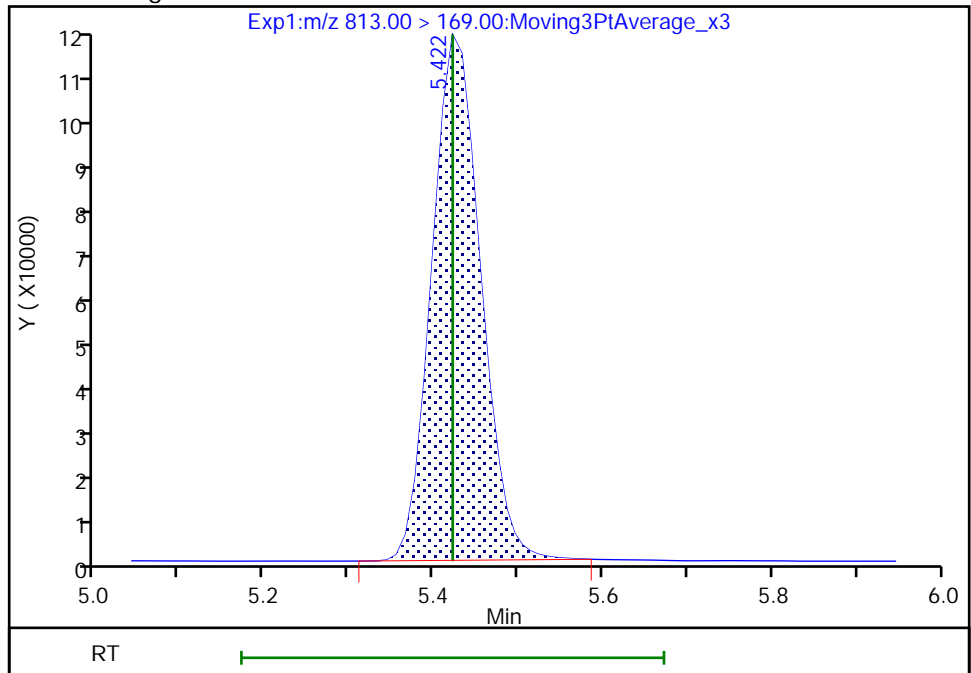
RT: 5.42
Area: 462920
Amount: 2.489919
Amount Units: ng/ml

Processing Integration Results



RT: 5.42
Area: 458670
Amount: 2.456727
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

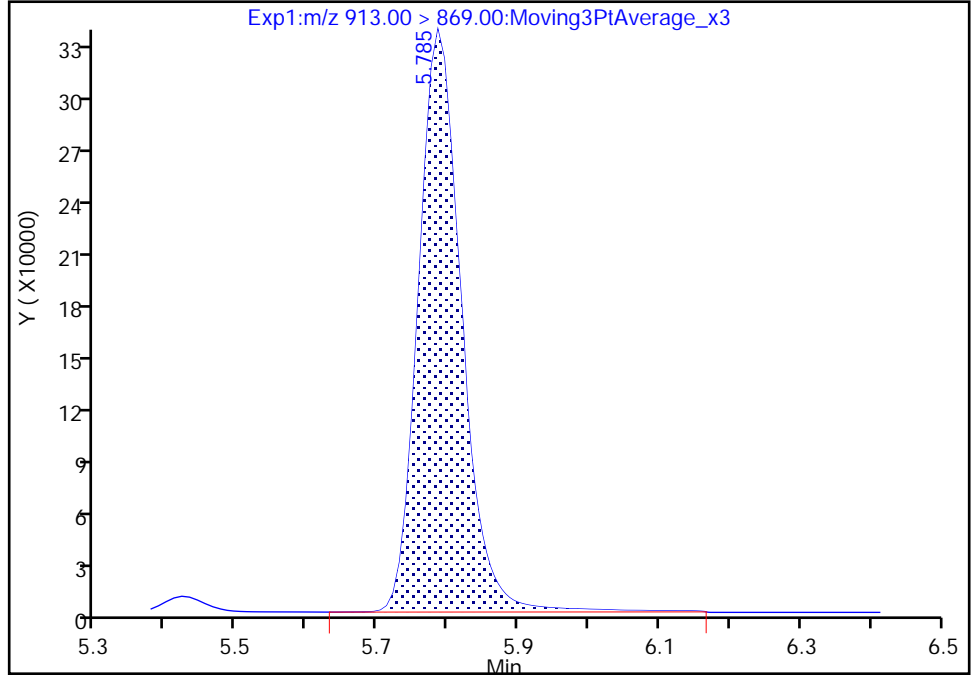
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

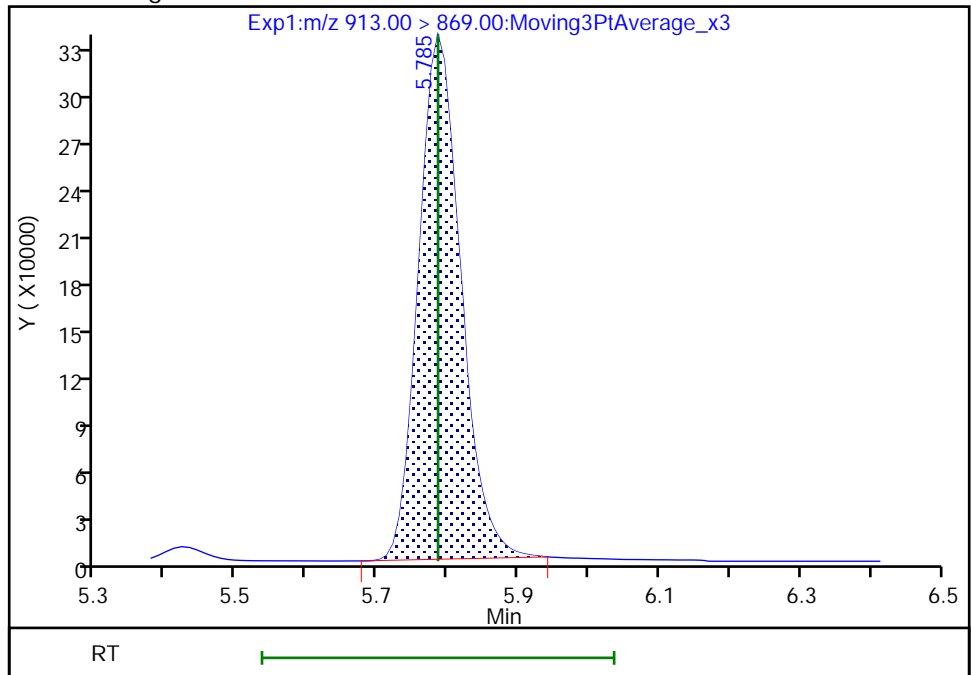
RT: 5.79
Area: 1431994
Amount: 2.347705
Amount Units: ng/ml

Processing Integration Results



RT: 5.79
Area: 1396187
Amount: 2.336629
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

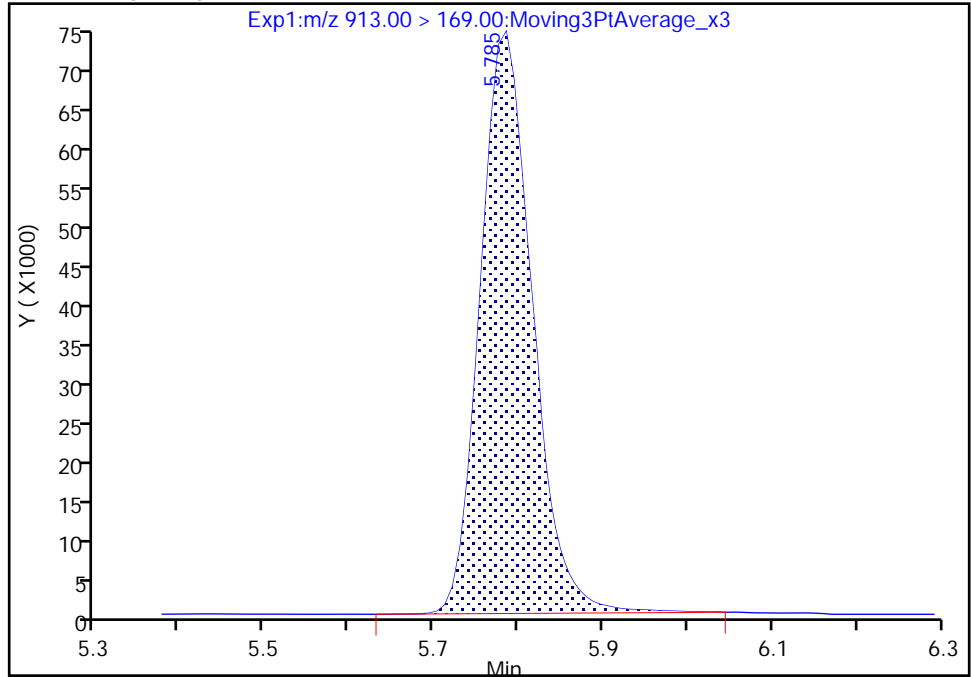
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Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

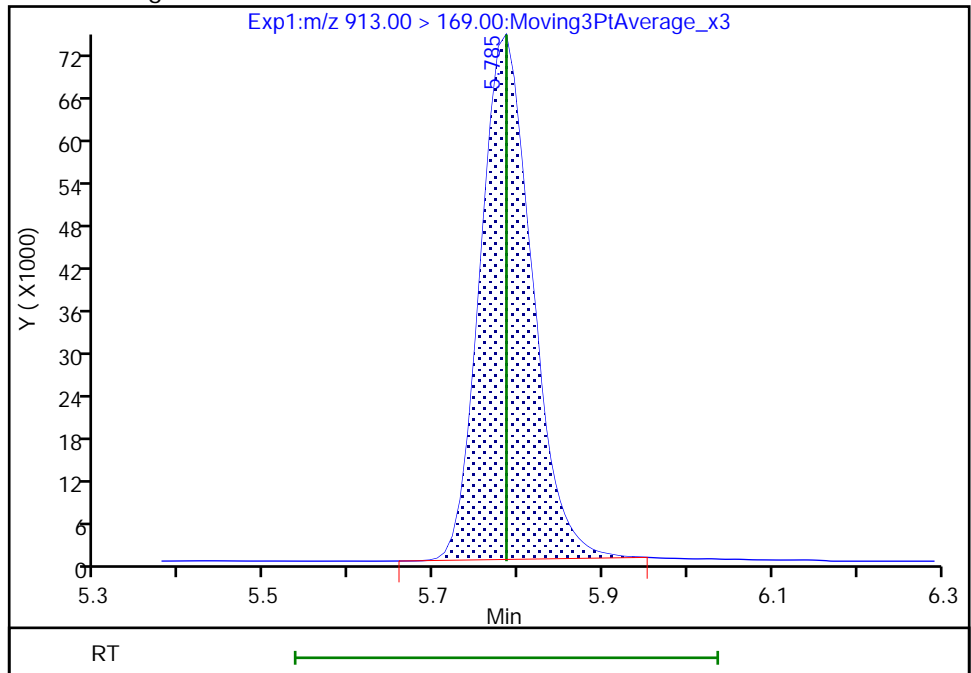
RT: 5.79
Area: 319284
Amount: 2.347705
Amount Units: ng/ml

Processing Integration Results



RT: 5.79
Area: 315550
Amount: 2.336629
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:00:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 03-Aug-2022 13:41:11 ALS Bottle#: 7 Worklist Smp#: 10
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 200-0051940-010 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3

Method: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 03-Aug-2022 15:08:59 Calib Date: 03-Aug-2022 13:41:11
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1672

First Level Reviewer: Z1IP Date: 03-Aug-2022 15:08:59

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	2.085	2.085	0.0	0.599	1806199	1.27		101	7682	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.085	0.0	1.000	13183310	9.41		94.1	1717	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.400	0.0	0.689	1356802	1.24		98.9	3240	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.400	2.400	0.0	1.000	10770827	9.63		96.3	394	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.413	2.413	0.0	0.693	1451388	1.14		98.4	151225	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.413	2.413	0.0	1.000	11911747	8.64	Target=2.23	97.8	2980	M
298.90 > 99.00	2.413	2.413	0.0	1.000	5675052		2.10(1.11-3.34)	97.8	1902	M
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.713	2.713	0.0	0.779	128662	1.18		101	136	M
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.713	2.713	0.0	1.000	2363764	9.02		96.6	1377	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.749	2.750	-0.001	1.000	10982567	9.66	Target=12.24	96.6	1262	M
313.00 > 119.00	2.749	2.750	-0.001	1.000	864666		12.70(6.12-18.36)	96.6	1019	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.749	2.750	-0.001	0.790	1361444	1.24		99.4	2541	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.762	2.762	0.0	0.885	11015177	9.12	Target=2.95	97.3	1876	M
349.00 > 99.00	2.762	2.762	0.0	0.885	3620783		3.04(1.48-4.43)	97.3	1698	M
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.859	2.859	0.0	0.821	271626	1.32		105	2268	

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	2.859	2.859	0.0	1.000	2193377	9.39		93.9	1947	M
D 9 13C4 PFHpA										M
367.00 > 322.00	3.121	3.121	0.0	0.896	1400879	1.23		98.6	2331	M
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.121	3.121	0.0	1.000	11197138	9.69	Target=3.73	96.9	1523	M
363.00 > 169.00	3.121	3.121	0.0	1.000	2929777		3.82(1.86-5.59)	96.9	1499	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.121	3.121	0.0	0.896	1101269	1.23		104	1707	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.121	3.121	0.0	1.000	8919353	8.68	Target=3.43	95.4	1367	M
399.00 > 99.00	3.121	3.121	0.0	1.000	2507240		3.56(1.72-5.15)	95.4	1447	M
77 DONA										M
377.00 > 251.00	3.165	3.165	0.0	0.833	24439985	8.64	Target=2.84	91.7	2506	M
377.00 > 85.00	3.165	3.165	0.0	0.833	9289763		2.63(1.42-4.26)	91.7	2444	M
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.474	3.474	0.0	0.997	177168	1.19		99.8	352	M
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.474	3.474	0.0	1.000	2069626	9.50		100	443	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.474	3.474	0.0	0.914	7802287	9.19	Target=4.89	96.5	1959	M
449.00 > 99.00	3.474	3.474	0.0	0.914	1537874		5.07(2.44-7.33)	96.5	1928	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.482	3.482	0.0	1.000	12341745	9.27	Target=2.67	92.7	957	M
413.00 > 169.00	3.482	3.482	0.0	1.000	4602327		2.68(1.34-4.01)	92.7	1596	M
D 14 13C4 PFOA										M
417.00 > 372.00	3.482	3.482	0.0	1.000	1483901	1.27		102	1496	M
* 62 13C2 PFOA										M
415.00 > 370.00	3.482	3.482	0.0		1527618	1.25			1548	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.802	3.802	0.0	1.000	6393833	9.33	Target=4.88	101	1465	M
499.00 > 99.00	3.802	3.802	0.0	1.000	1390243		4.60(2.44-7.32)	101	2111	M
D 18 13C4 PFOS										M
503.00 > 80.00	3.802	3.802	0.0	1.092	821046	1.23		103	806	M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.822	3.822	0.0	1.000	11406519	9.42	Target=8.23	94.2	1661	M
463.00 > 169.00	3.822	3.822	0.0	1.000	1469986		7.76(4.11-12.34)	94.2	2123	M
D 19 13C5 PFNA										
468.00 > 423.00	3.822	3.822	0.0	1.098	1487561	1.23		98.5	3290	
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.969	3.969	0.0	1.044	10822143	8.92		95.7	2759	M
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.092	4.093	-0.001	1.076	4925638	9.16	Target=2.53	95.4	1555	M
549.00 > 99.00	4.092	4.093	-0.001	1.076	2007966		2.45(1.26-3.79)	95.4	2310	M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.138	4.127	0.011	1.000	1625337	9.09		94.9	2291	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	4.127	4.127	0.0	1.000	11511562	9.25	Target=9.67	92.5	1798	M
513.00 > 169.00	4.127	4.127	0.0	1.000	1252336		9.19(4.83-14.50)	92.5	1569	M
D 23 13C2 PFDA										M
515.00 > 470.00	4.127	4.127	0.0	1.185	1479189	1.26		101	1443	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.138	4.138	0.0	1.188	221709	1.23		103	911	
D 21 13C8 FOSA										M
506.00 > 78.00	4.173	4.173	-0.001	1.198	1290314	1.25		100	1960	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.184	4.173	0.011	1.003	10178171	9.68		96.8	1889	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.273	4.273	0.0	1.000	1461120	9.87		98.7	708	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.273	4.273	0.0	1.227	208390	1.32		106	156	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.364	4.365	-0.001	1.148	3753346	9.38	Target=2.80	97.3	1755	M
599.00 > 99.00	4.364	4.365	-0.001	1.148	1439627		2.61(1.40-4.20)	97.3	1798	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.398	4.399	-0.001	1.263	1097436	1.23		98.5	1426	M
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.398	4.399	-0.001	1.000	8843669	9.51	Target=9.07	95.1	2177	M
563.00 > 169.00	4.398	4.399	-0.001	1.000	1029859		8.59(4.54-13.61)	95.1	1713	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.410	4.410	0.0	1.000	1315871	9.87		98.7	1122	M
D 32 d5-NEtFOSAA										M
589.00 > 419.00	4.410	4.410	0.0	1.266	183559	1.23		98.4	772	M
66 11-Chloroeicosafuoro-3-oxaundec										M
631.00 > 451.00	4.504	4.491	0.013	1.185	13952793	8.83		93.8	1796	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.633	4.633	0.0	1.330	1209177	1.31		105	3083	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.633	4.633	0.0	1.000	9235605	9.41	Target=6.97	94.1	944	M
613.00 > 169.00	4.633	4.633	0.0	1.000	1408846		6.56(3.48-10.45)	94.1	2147	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.654	4.654	0.0	1.125	745570	8.93		92.6	1125	M
75 Perfluorododecanesulfonic acid (M
699.00 > 80.00	4.812	4.813	-0.001	1.266	1630442	9.17	Target=0.52	94.8	1791	M
699.00 > 99.00	4.812	4.813	-0.001	1.266	3129781		0.52(0.26-0.79)	94.8	2015	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.859	4.859	0.0	1.049	7584486	8.92	Target=4.56	89.2	786	M
663.00 > 169.00	4.859	4.859	0.0	1.049	1722893		4.40(2.28-6.84)	89.2	1600	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.062	5.052	0.010	1.454	949490	1.26		101	2056	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.062	5.052	0.010	1.000	1163895	9.56	Target=0.94	95.6	1501	M
713.00 > 219.00	5.052	5.052	0.0	0.998	1252704		0.93(0.47-1.41)	95.6	1611	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	5.422	5.422	0.0	1.000	7724125	9.98	Target=4.38	99.8	1090	M
813.00 > 169.00	5.422	5.422	0.0	1.000	1801906		4.29(2.19-6.57)	99.8	2158	M
D 44 13C2 PFHxDA										M
815.00 > 770.00	5.422	5.422	0.0	1.557	1080090	1.26		100	2274	M
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.785	5.786	-0.001	1.067	5256805	9.15	Target=4.31	91.5	501	M
913.00 > 169.00	5.785	5.786	-0.001	1.067	1205334		4.36(2.16-6.47)	91.5	966	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC6_00012

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Injection Date: 03-Aug-2022 13:41:11

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

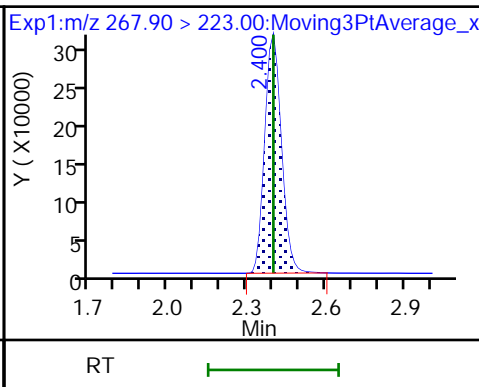
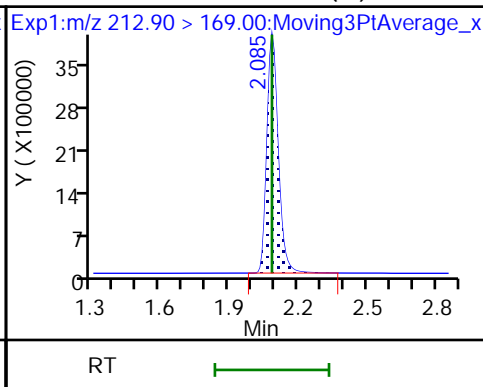
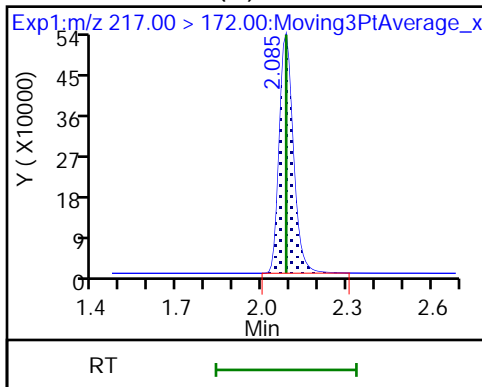
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA (M)

2 Perfluorobutanoic acid (M)

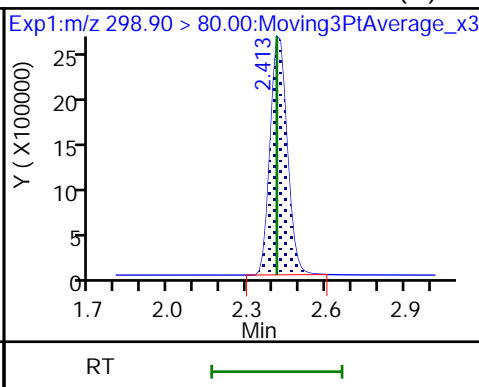
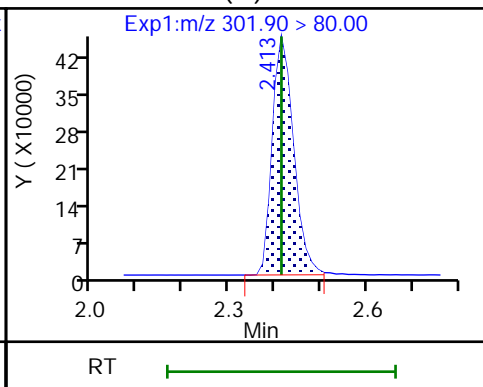
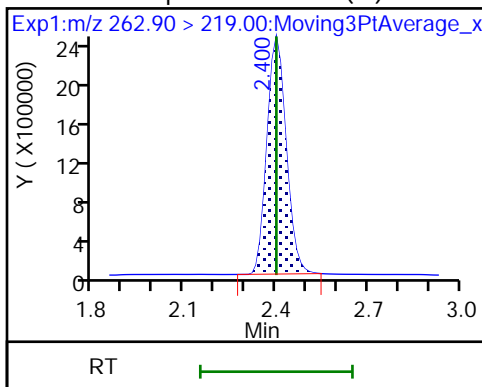
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS (M)

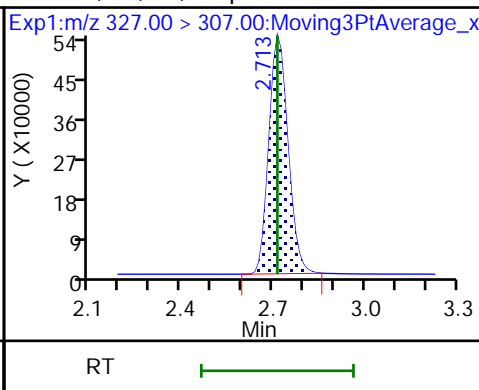
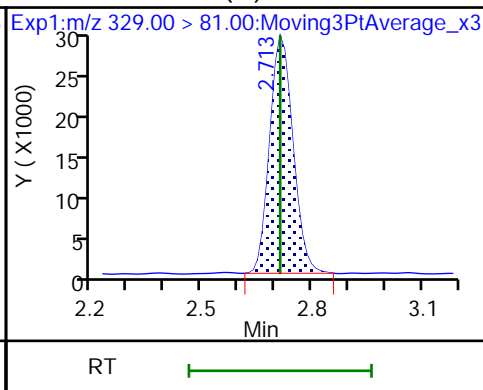
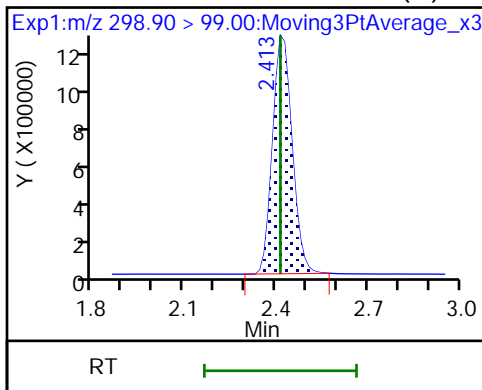
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

D 60 M2-4:2 FTS (M)

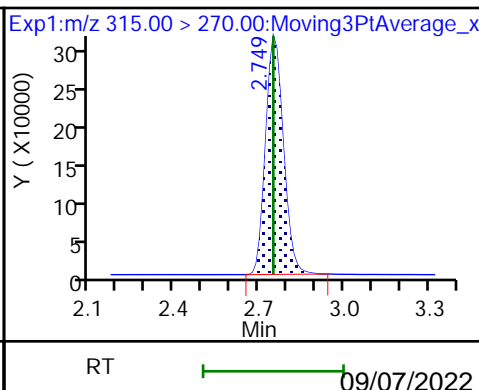
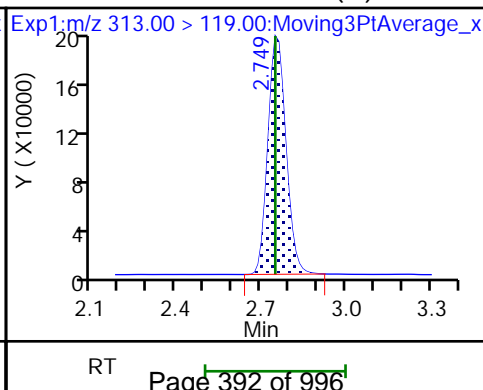
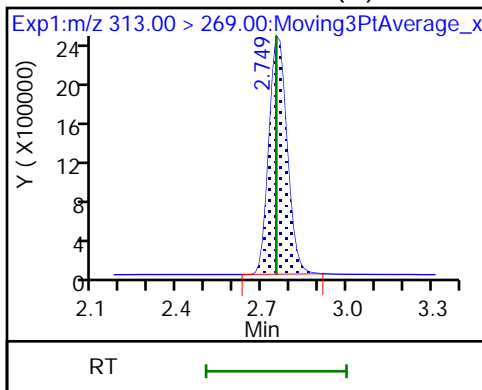
61 1H,1H,2H,2H-perfluorohexanesulfo (M)



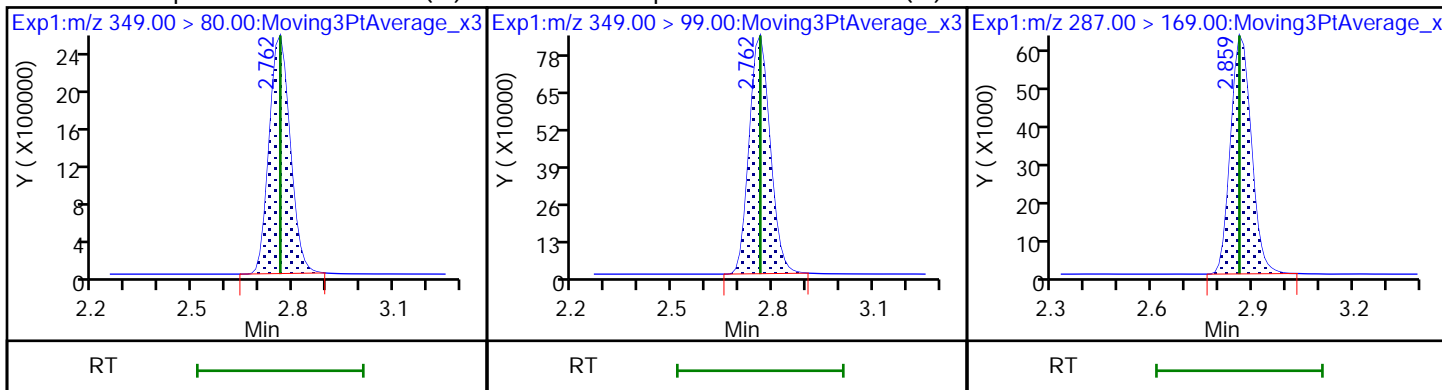
6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid (M)

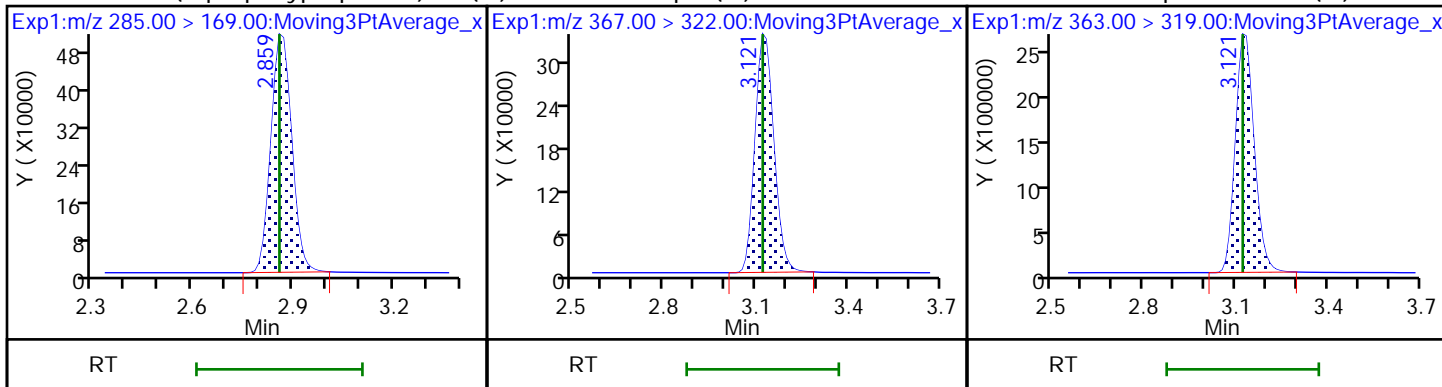
D 7 13C2 PFHxA



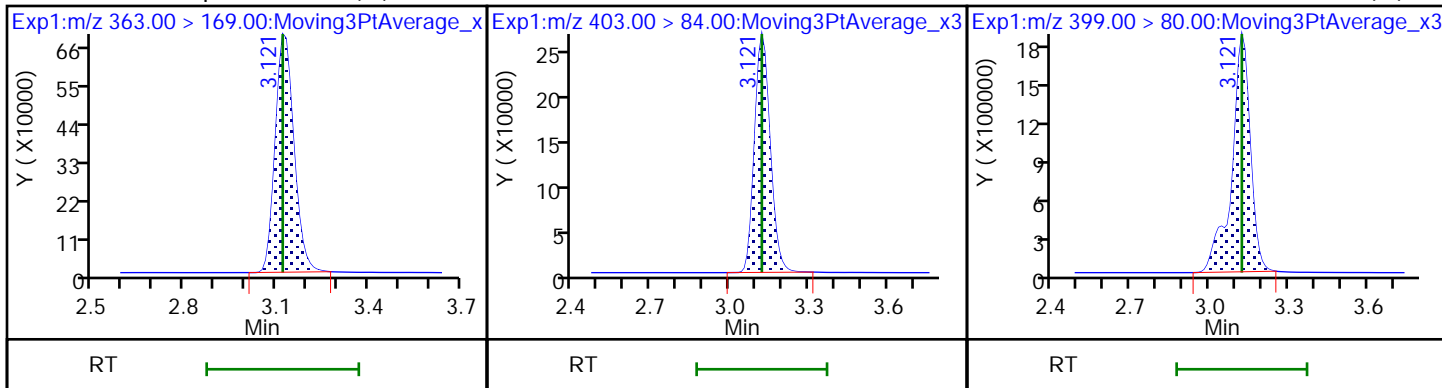
70 Perfluoropentanesulfonic acid (M) 70 Perfluoropentanesulfonic acid (M) D 64 13C3 HFPO-DA



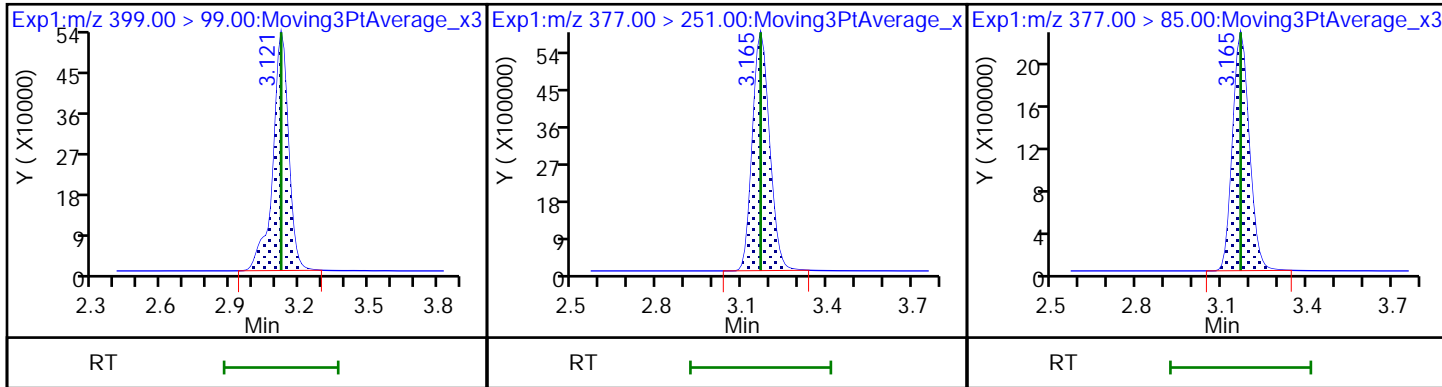
67 Perfluoro(2-propoxypropanoic) ac (M) 9 13C4 PFHpA (M) 10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid (M) D 11 18O2 PFHxS 8 Perfluorohexanesulfonic acid (M)

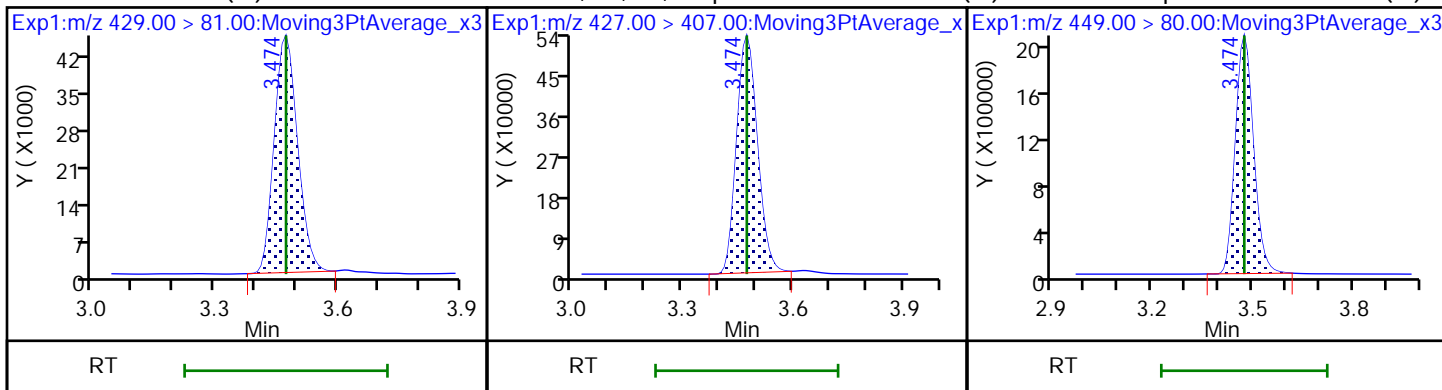


8 Perfluorohexanesulfonic acid (M) 77 DONA (M) 77 DONA (M)



D 12 M2-6:2 FTS (M)

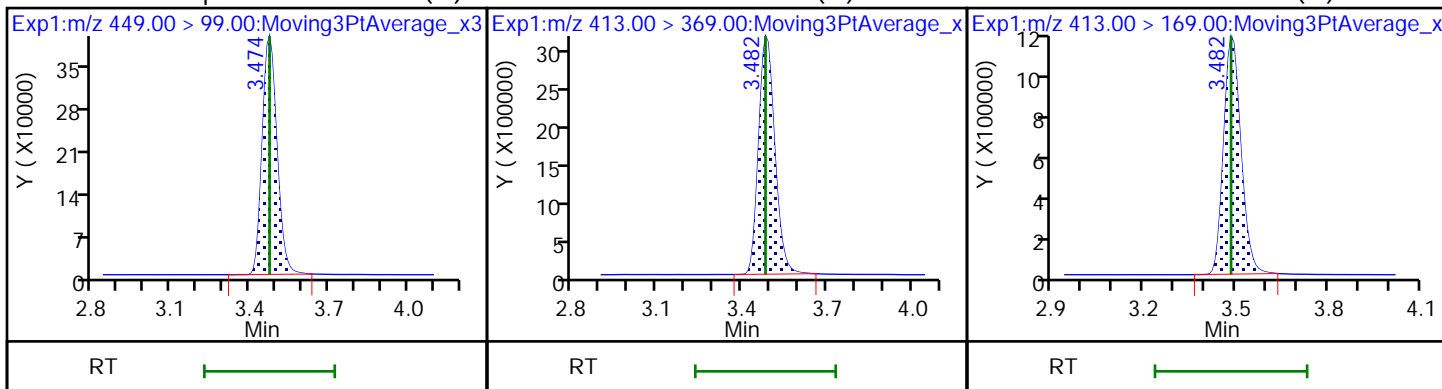
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 6 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

15 Perfluorooctanoic acid (M)

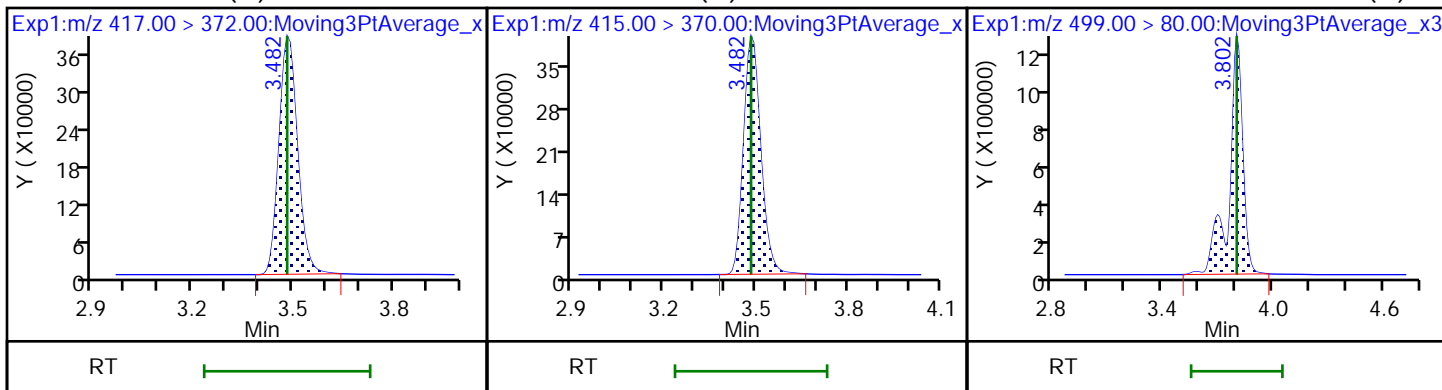
15 Perfluorooctanoic acid (M)



D 14 13C4 PFOA (M)

* 62 13C2 PFOA (M)

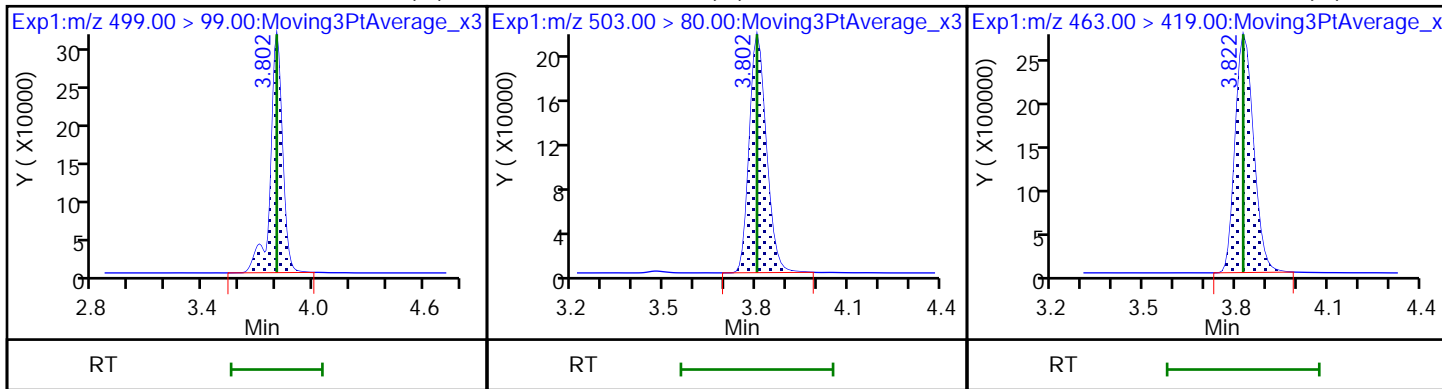
17 Perfluorooctanesulfonic acid (M)

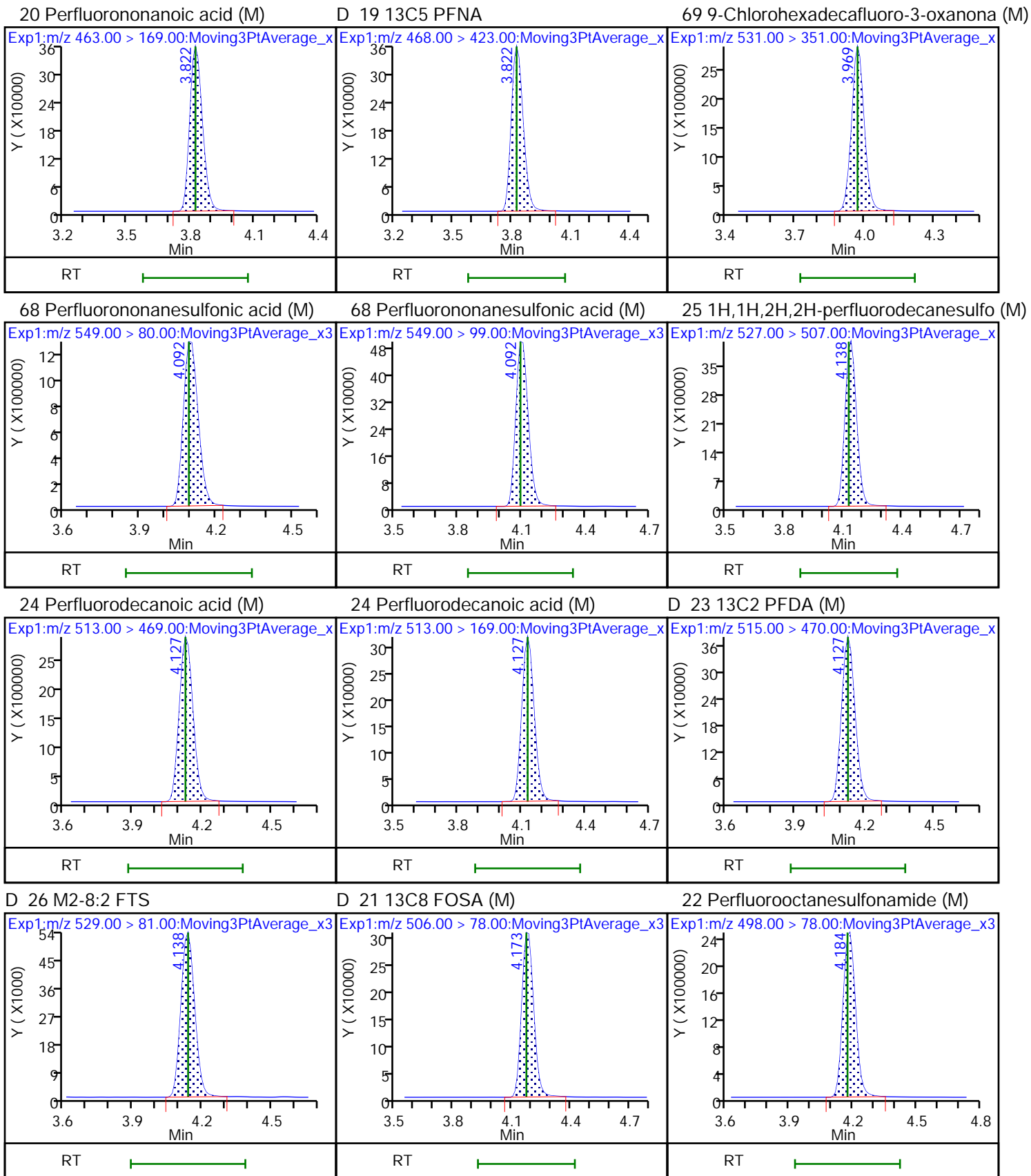


17 Perfluorooctanesulfonic acid (M)

D 18 13C4 PFOS (M)

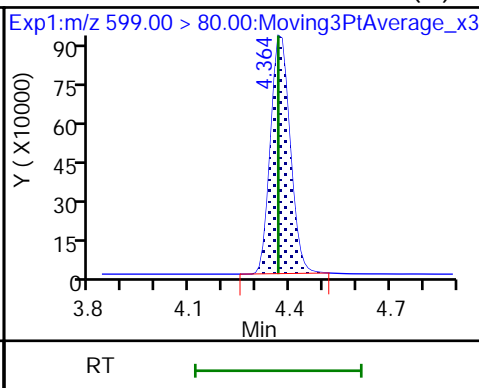
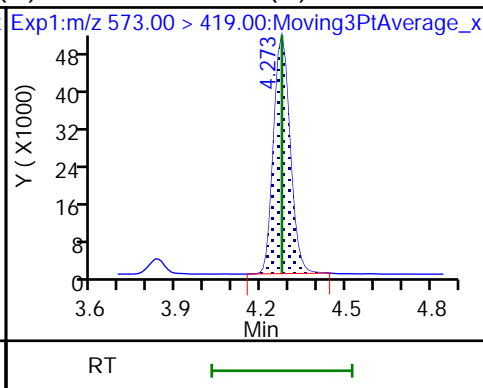
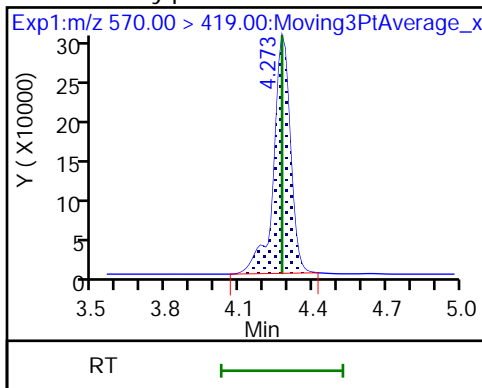
20 Perfluorononanoic acid (M)





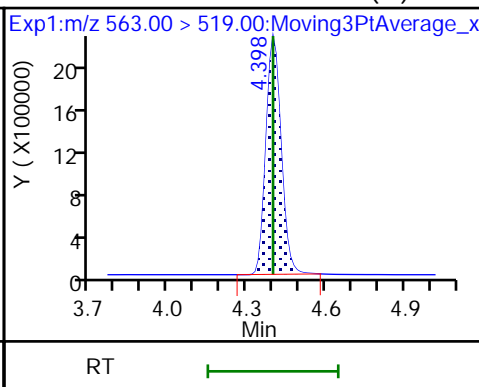
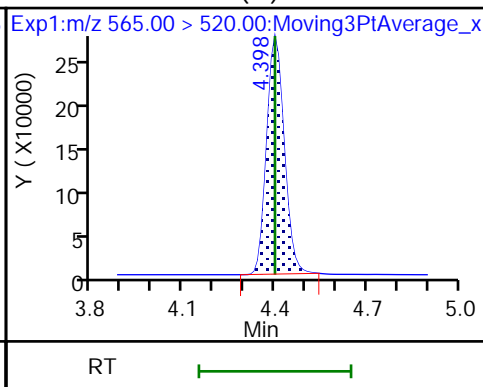
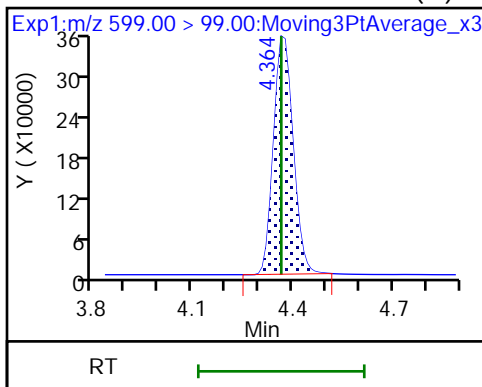
28 N-methylperfluorooctanesulfonami (M) 27 d3-NMeFOSAA (M)

29 Perfluorodecanesulfonic acid (M)



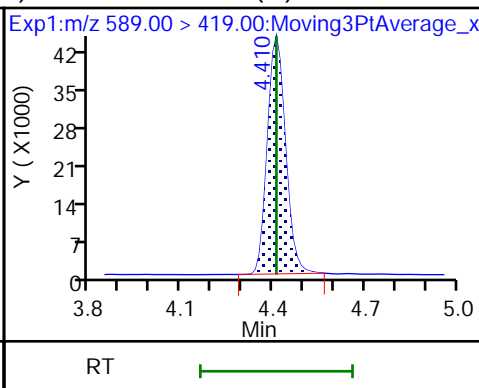
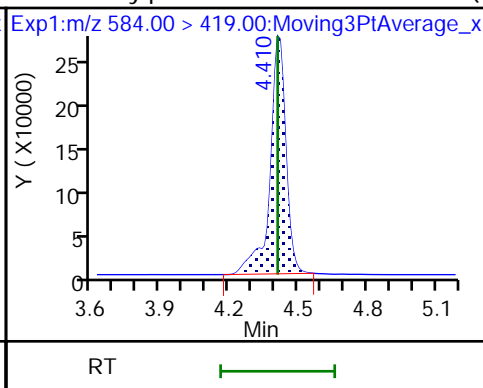
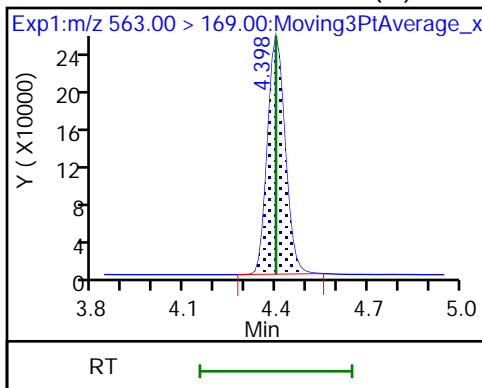
29 Perfluorodecanesulfonic acid (M) D 30 13C2 PFUa (M)

31 Perfluoroundecanoic acid (M)



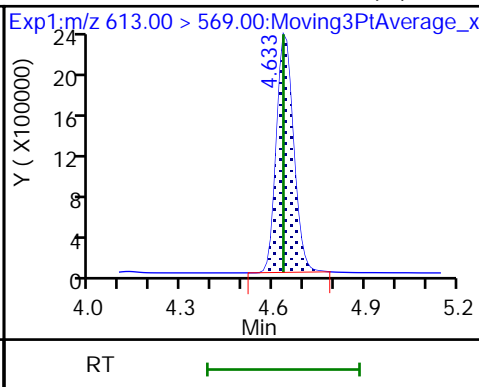
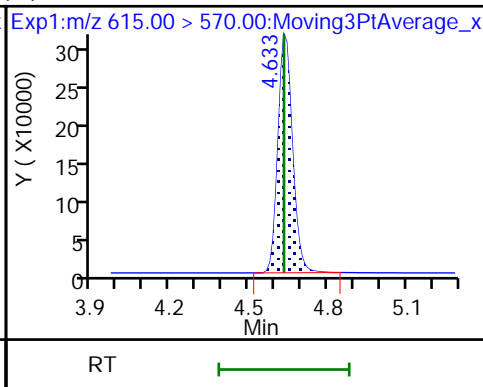
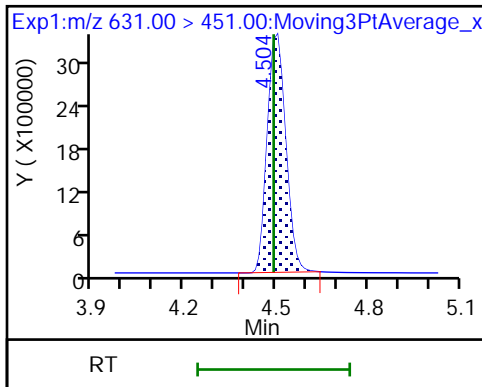
31 Perfluoroundecanoic acid (M)

33 N-ethylperfluorooctanesulfonamid (M) 32 d5-NEtFOSAA (M)



66 11-Chloroeicosafuoro-3-oxaundec (M) 36 13C2 PFDoA

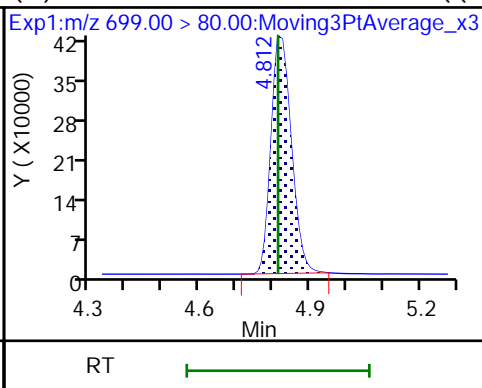
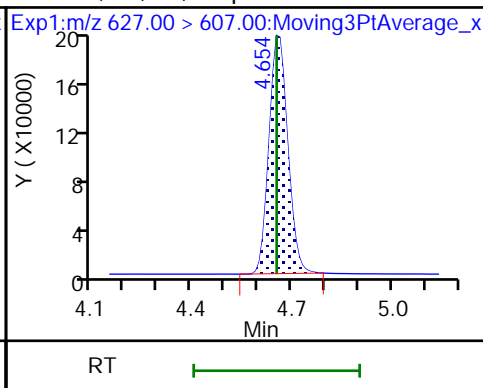
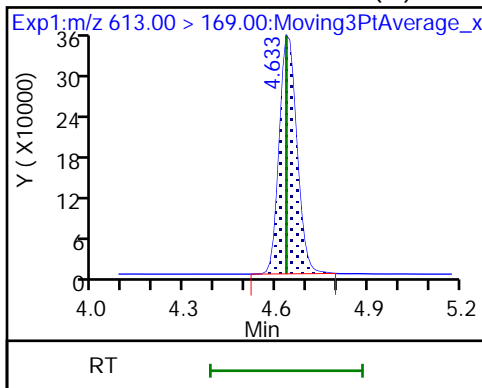
37 Perfluorododecanoic acid (M)



37 Perfluorododecanoic acid (M)

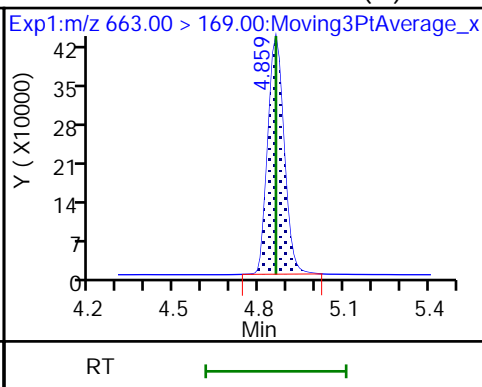
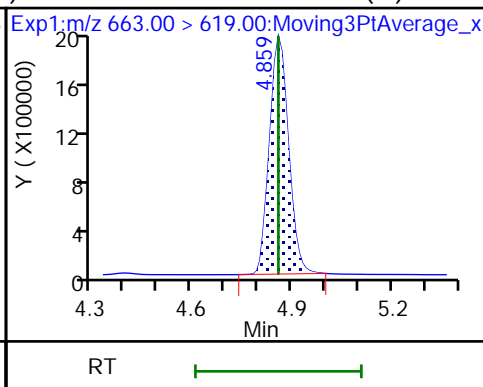
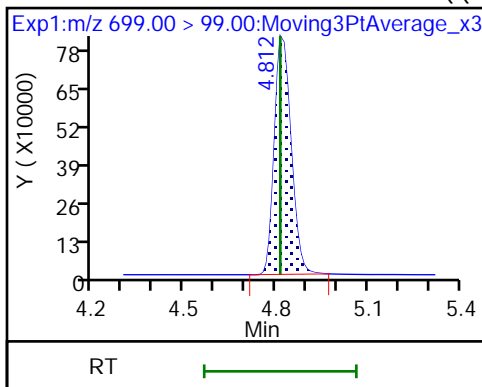
74 1H,1H,2H,2H-perfluorododecanesul (M)

75 Perfluorododecanesulfonic acid (M)



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

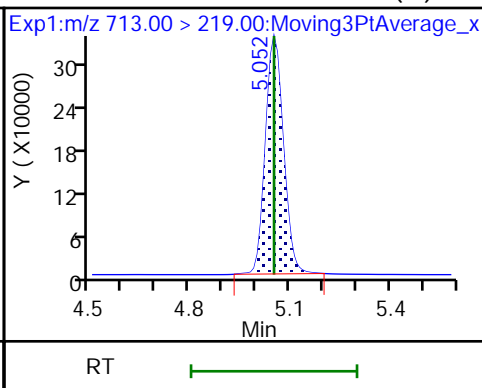
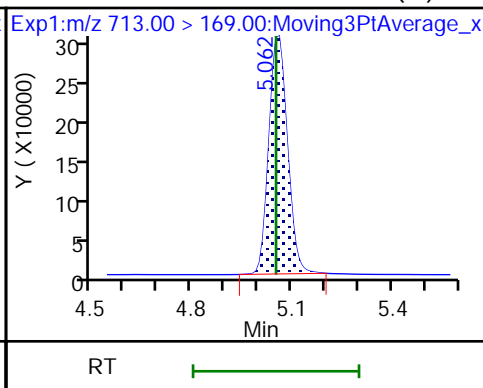
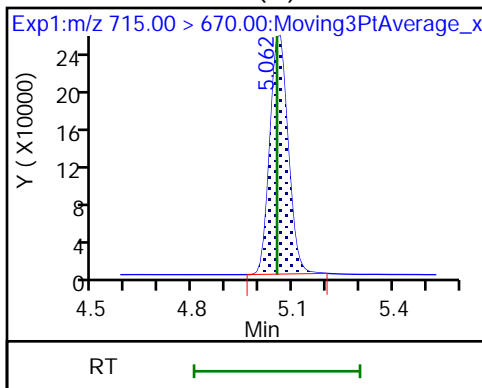
41 Perfluorotridecanoic acid (M)



D 43 13C2 PFTeDA (M)

42 Perfluorotetradecanoic acid (M)

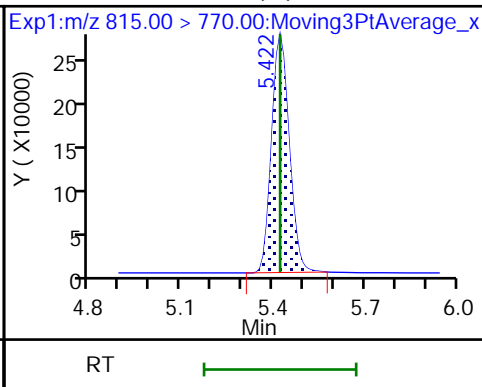
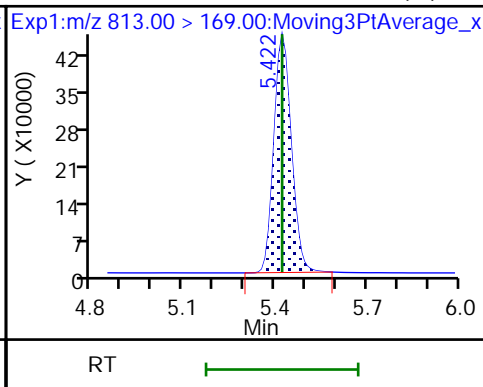
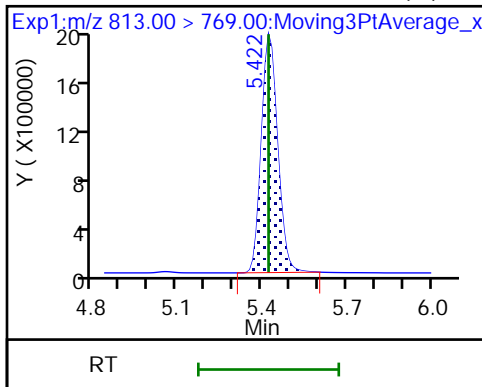
42 Perfluorotetradecanoic acid (M)



45 Perfluorohexadecanoic acid (M)

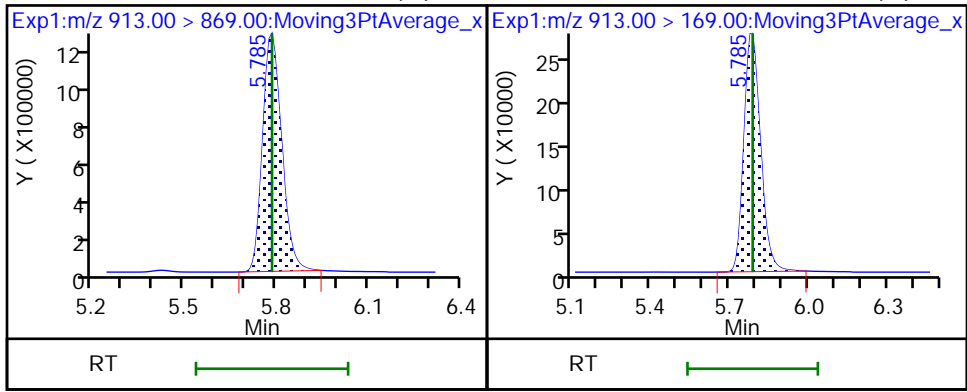
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA (M)



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

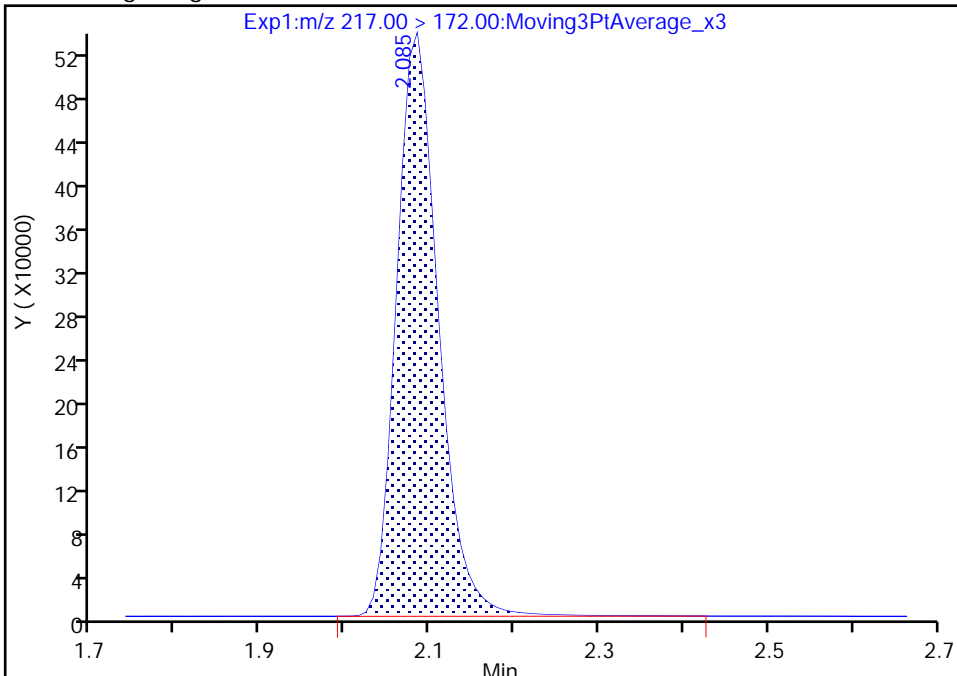
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

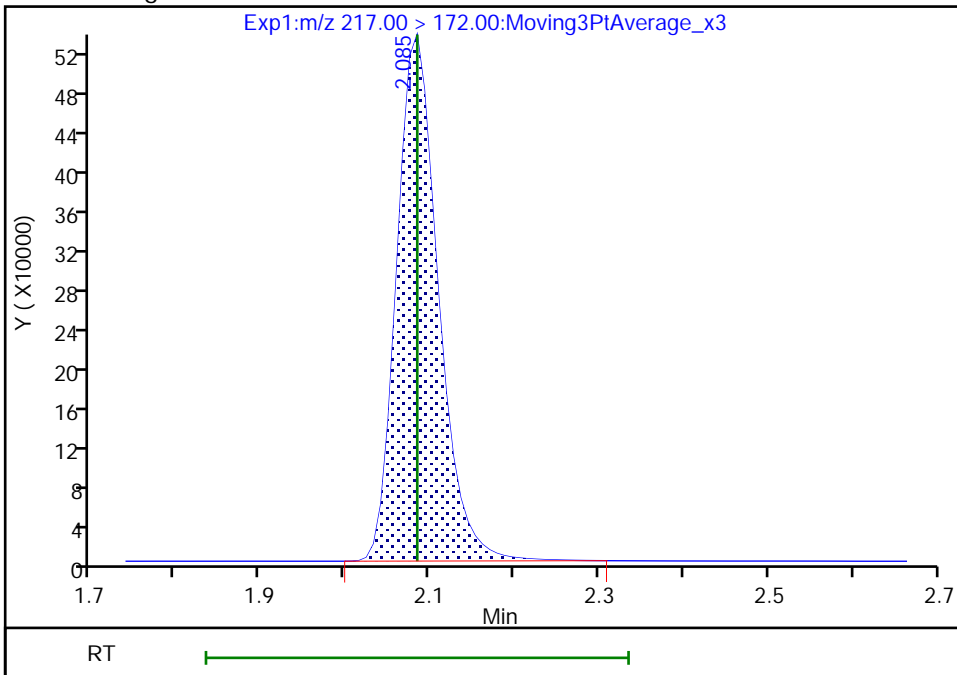
RT: 2.08
Area: 1811009
Amount: 1.259570
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 1806199
Amount: 1.266407
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:01:51
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

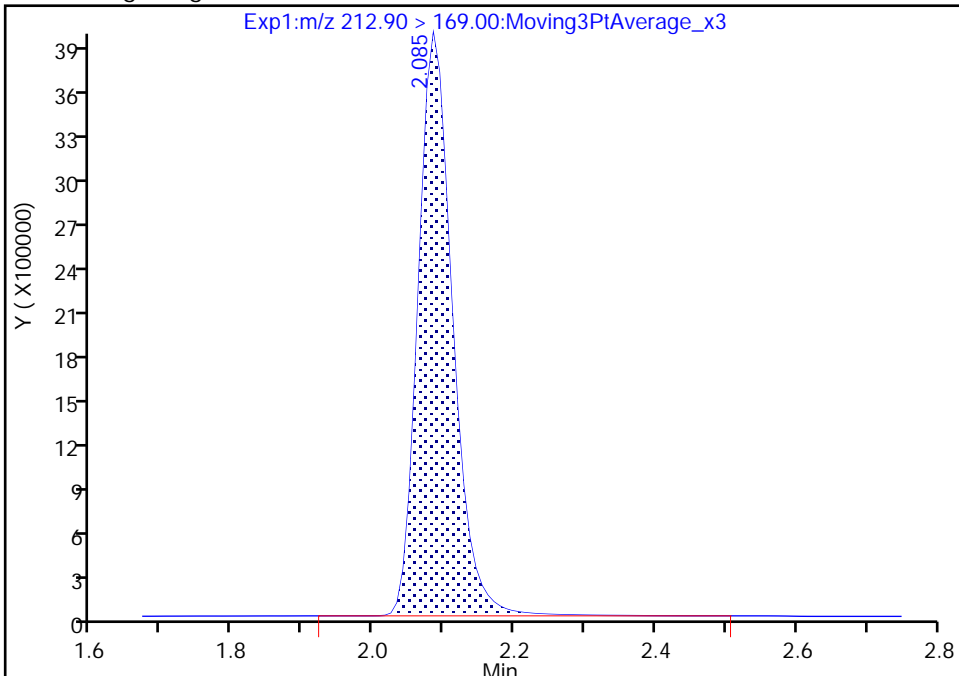
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Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

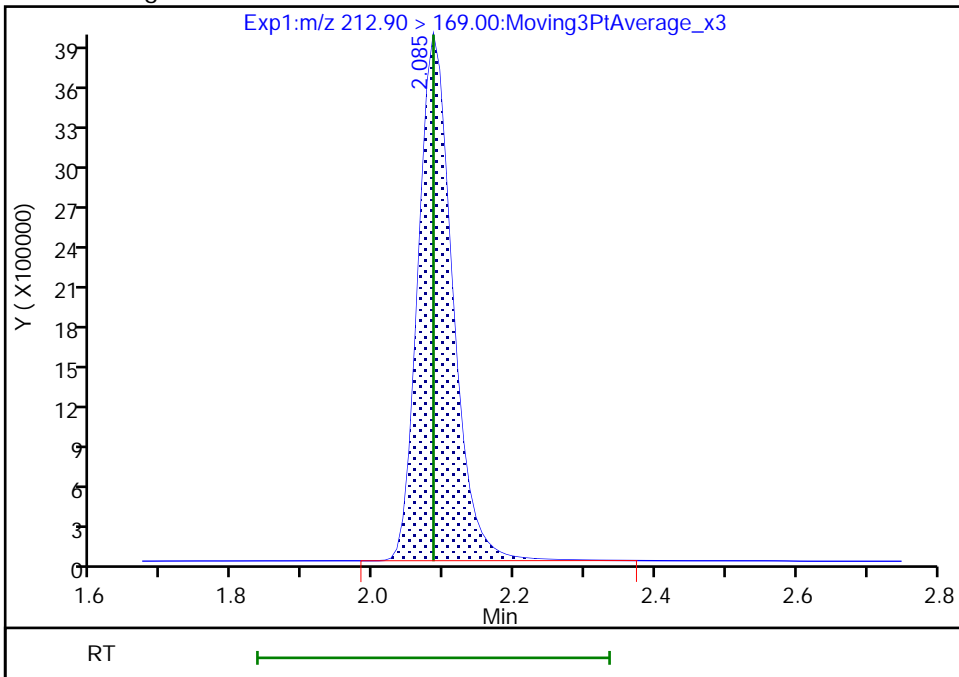
RT: 2.08
Area: 13207925
Amount: 9.423643
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 13183310
Amount: 9.408834
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:01:57
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

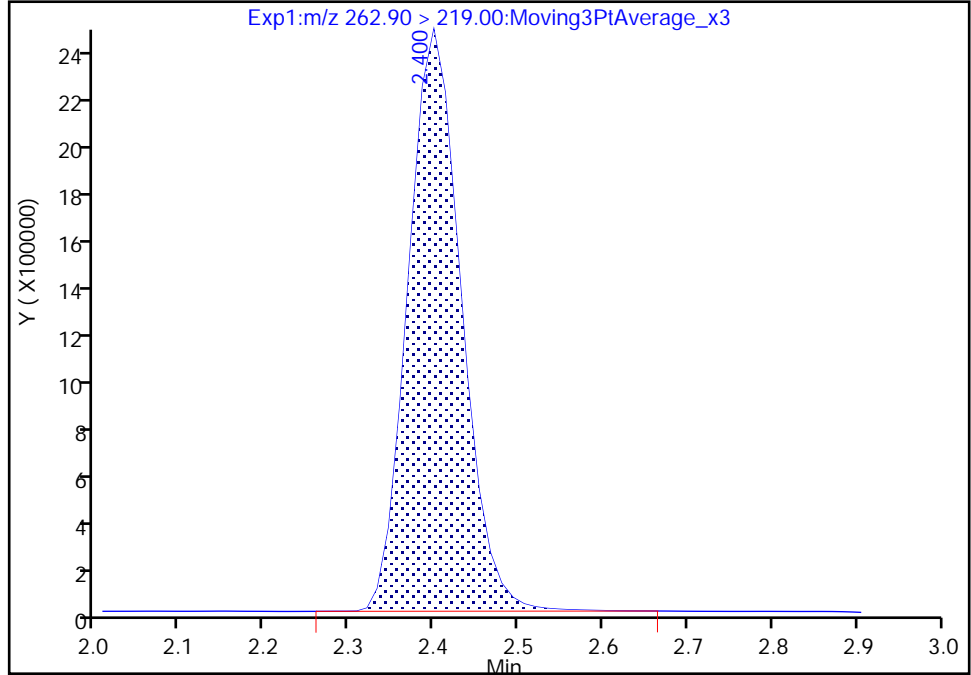
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Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

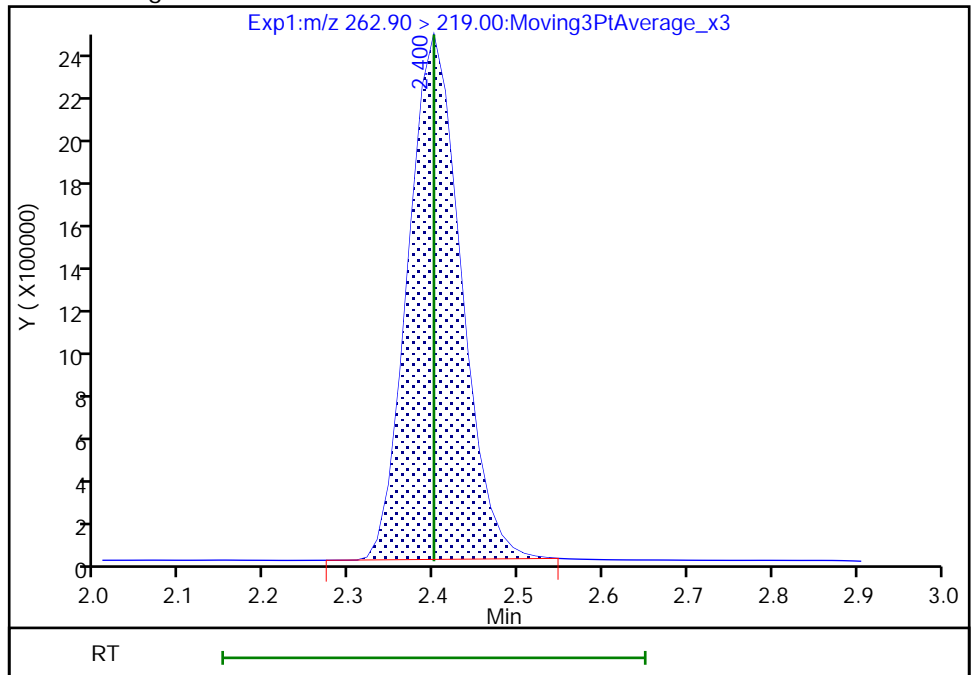
RT: 2.40
Area: 10854749
Amount: 9.688095
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 10770827
Amount: 9.625209
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:02:07
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

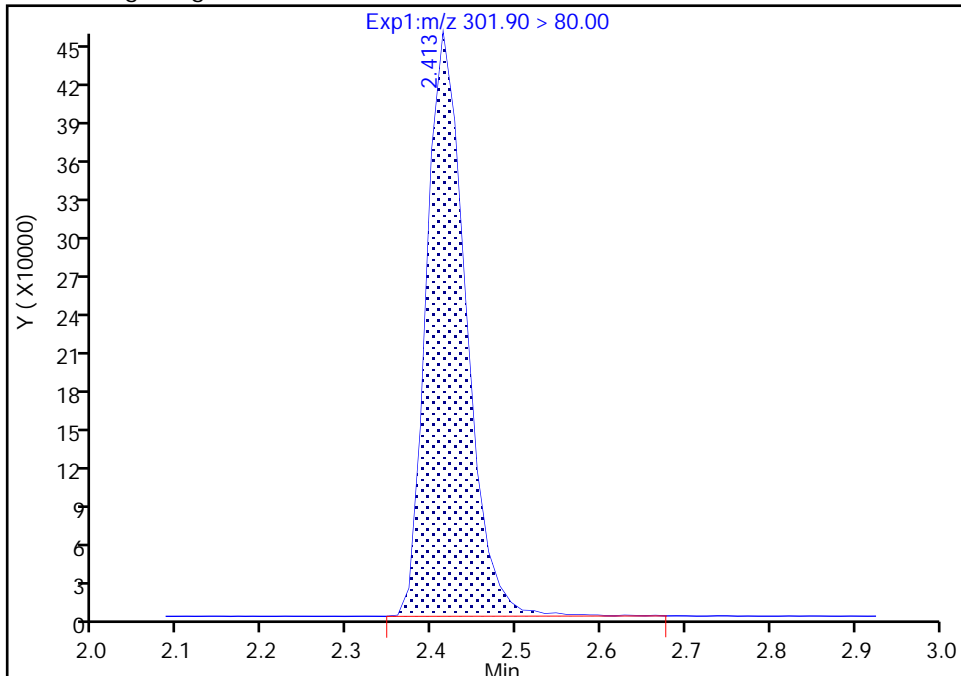
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

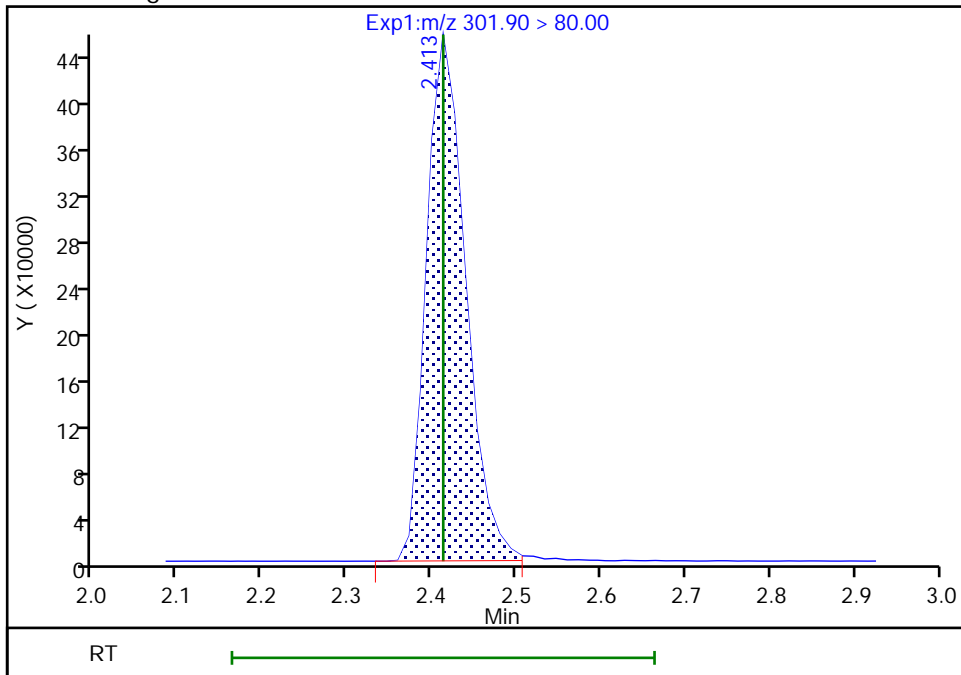
RT: 2.41
Area: 1465857
Amount: 1.144136
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 1451388
Amount: 1.143418
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:02:20
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

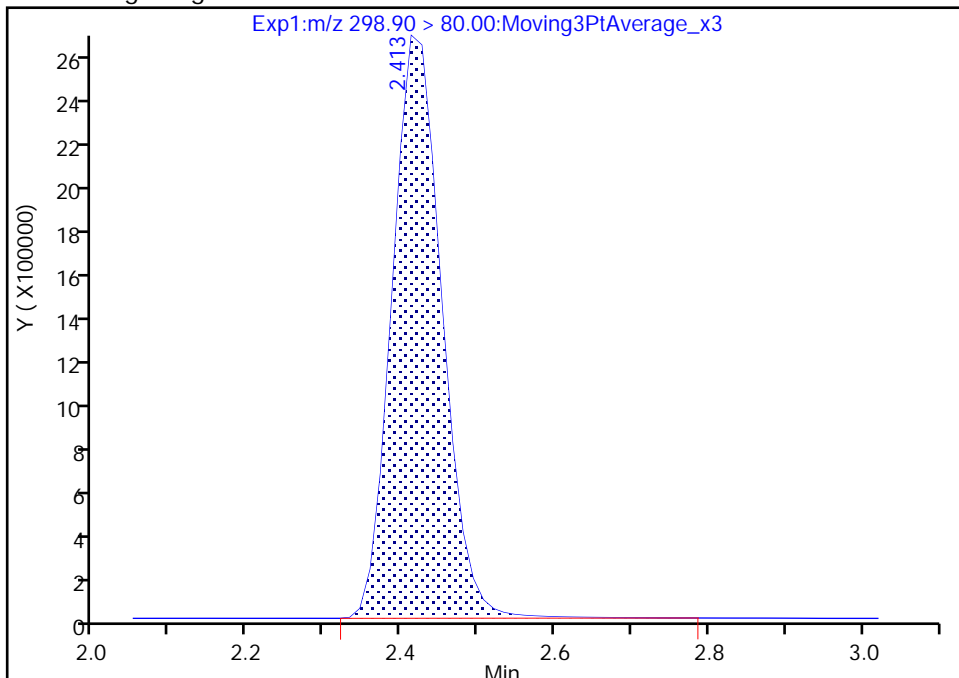
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Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

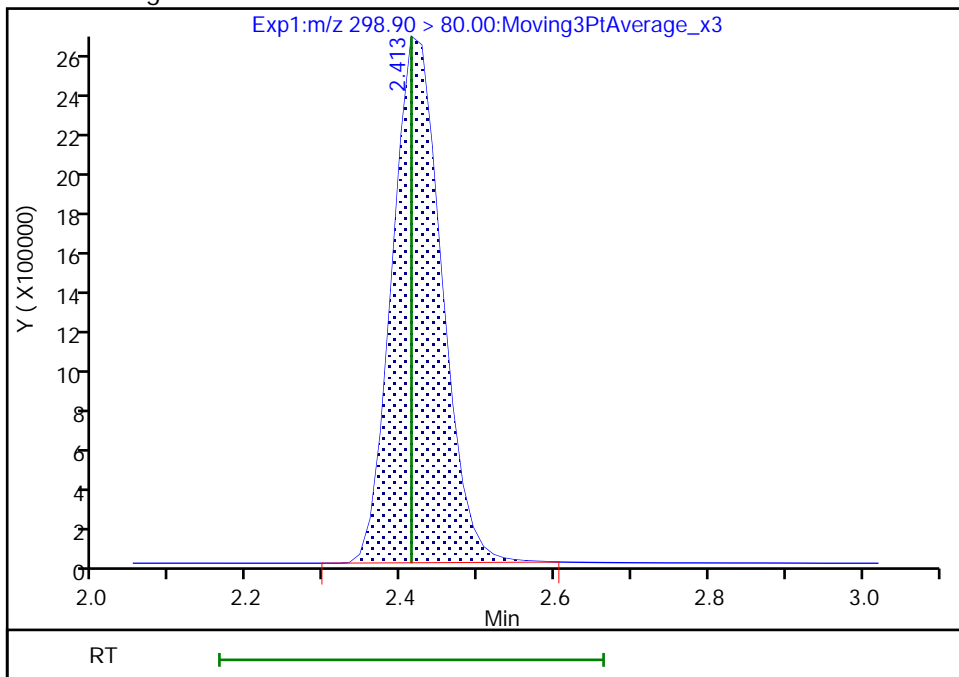
RT: 2.41
Area: 11977456
Amount: 8.683132
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 11911747
Amount: 8.643258
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:02:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

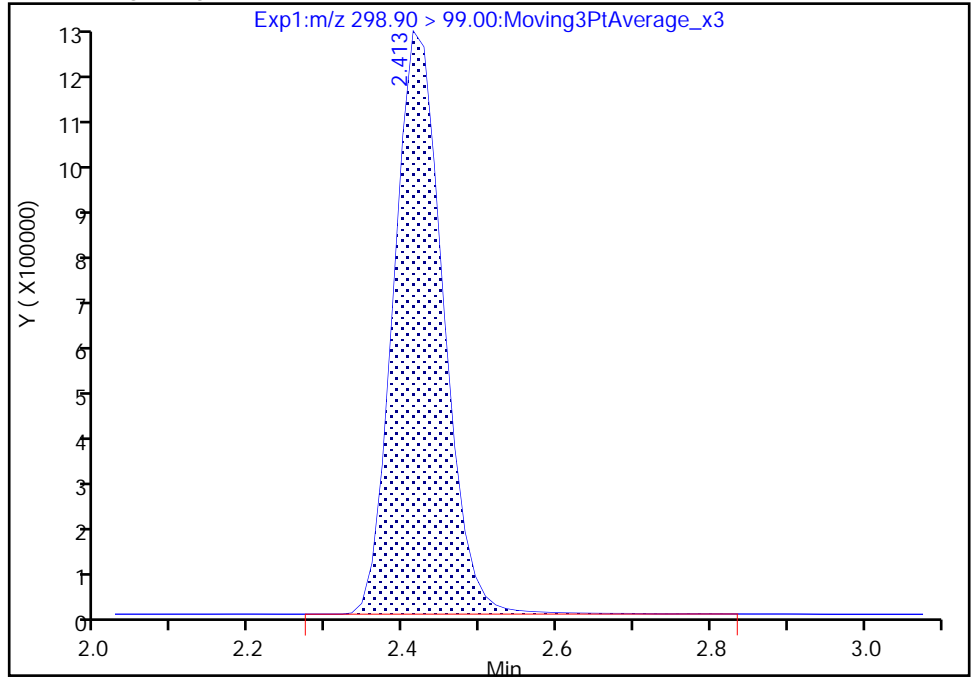
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

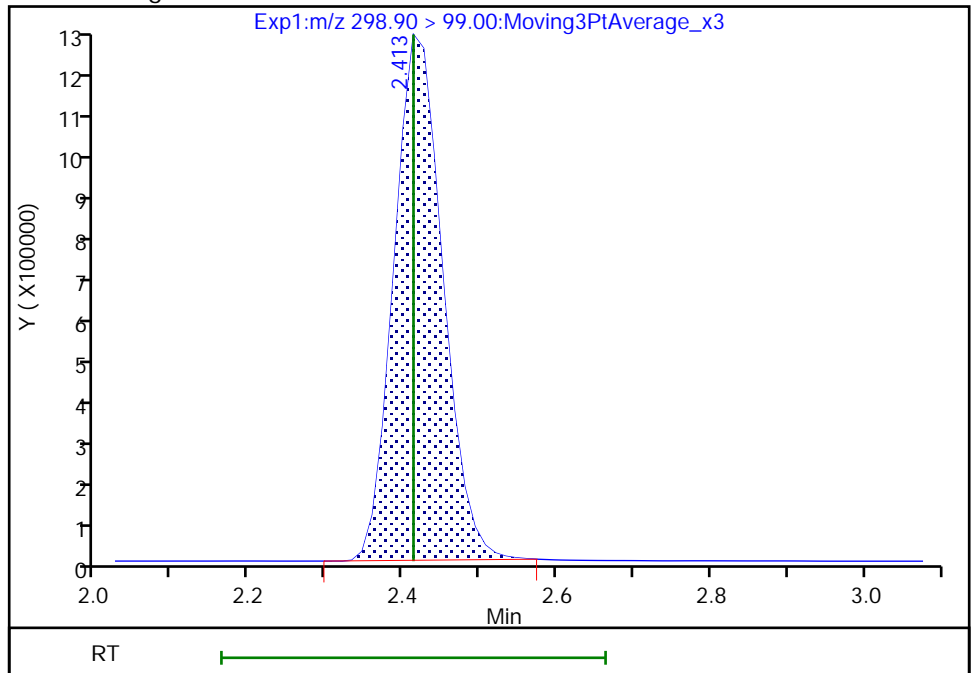
RT: 2.41
Area: 5728246
Amount: 8.683132
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 5675052
Amount: 8.643258
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:02:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

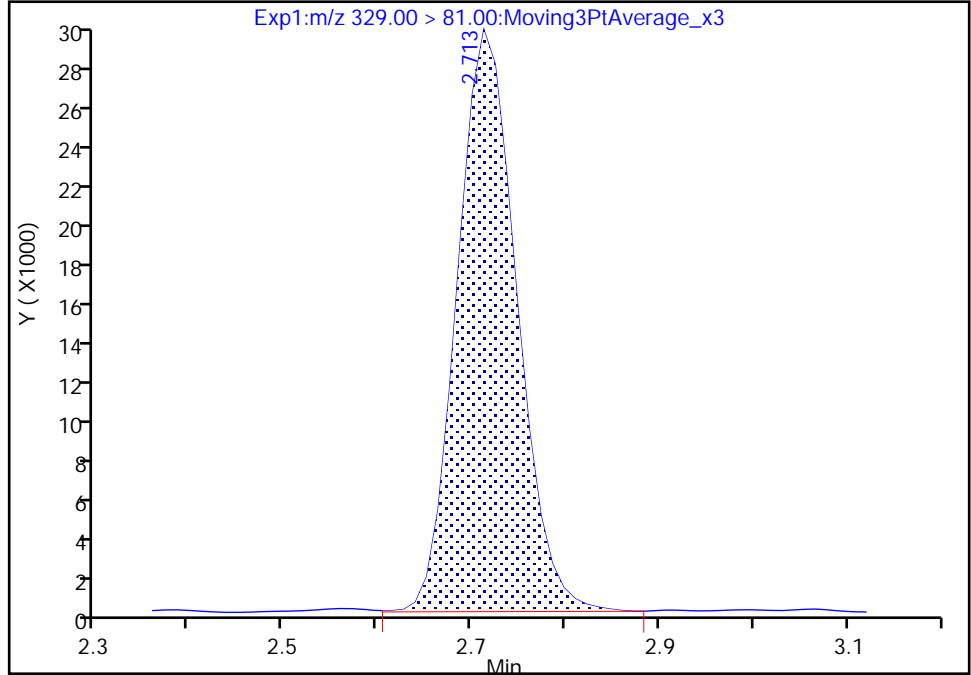
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 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 60 M2-4:2 FTS, CAS: STL02395
Signal: 1

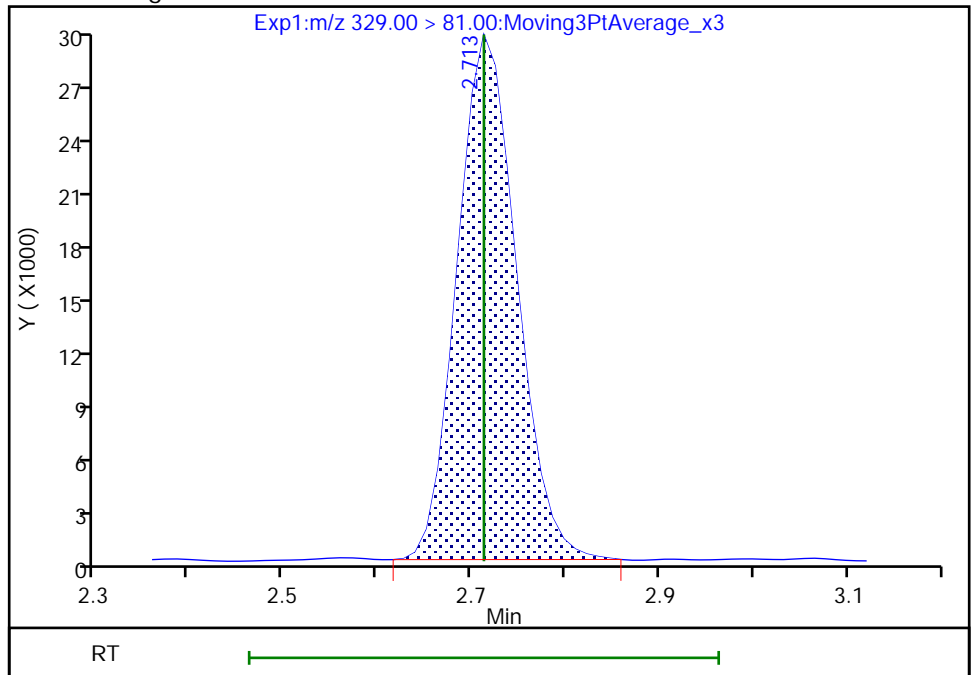
RT: 2.71
Area: 129518
Amount: 1.174911
Amount Units: ng/ml

Processing Integration Results



RT: 2.71
Area: 128662
Amount: 1.177395
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

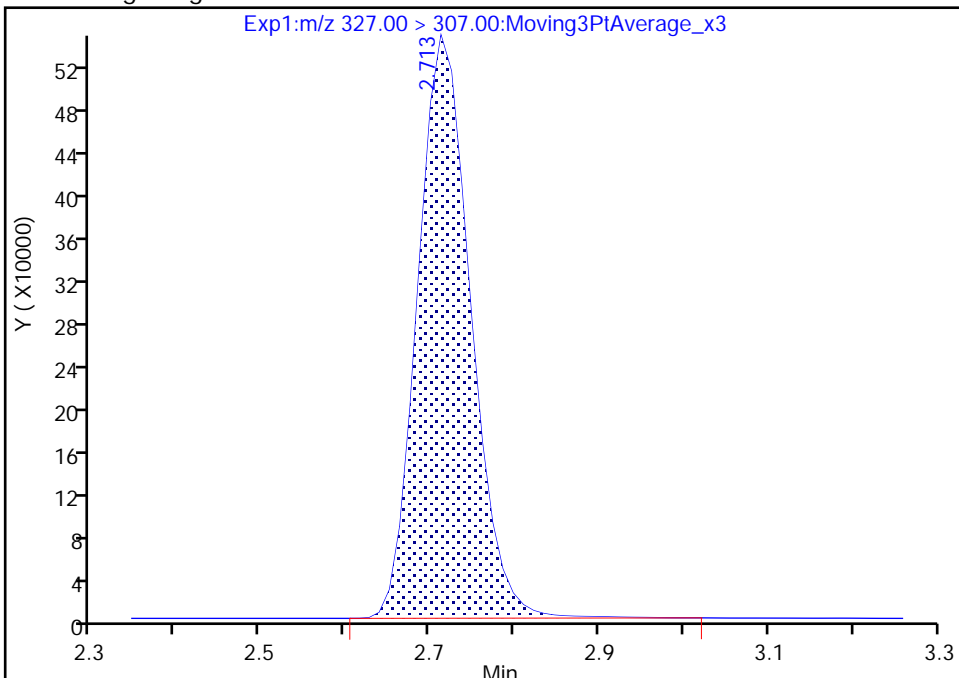
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

61 1H,1H,2H,2H-perfluorohexanesulfo, CAS: 757124-72-4

Signal: 1

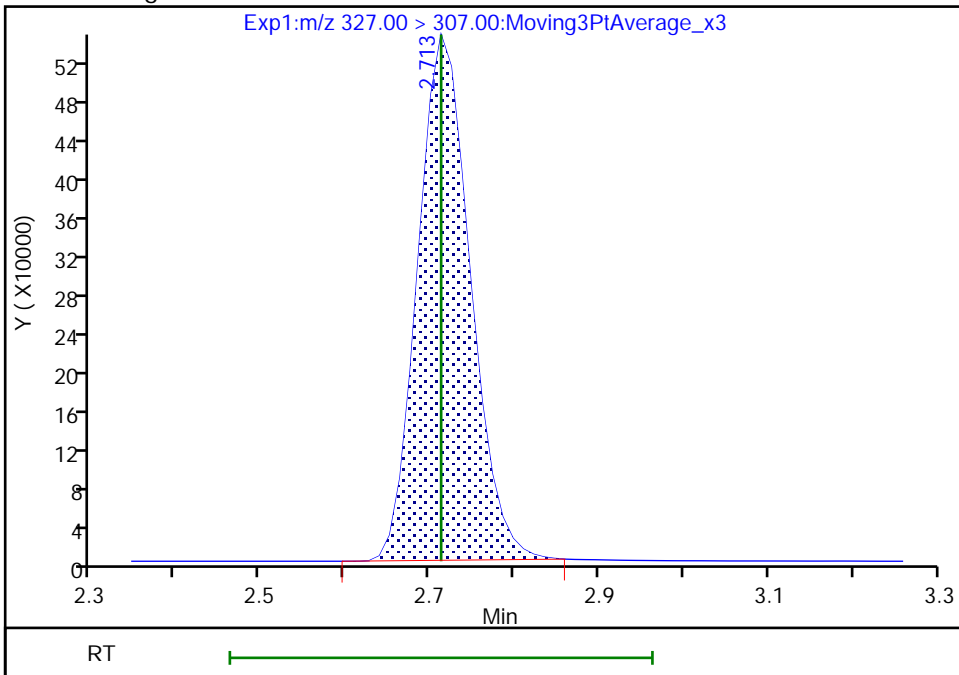
RT: 2.71
Area: 2385526
Amount: 9.093837
Amount Units: ng/ml

Processing Integration Results



RT: 2.71
Area: 2363764
Amount: 9.024238
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:02:42
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

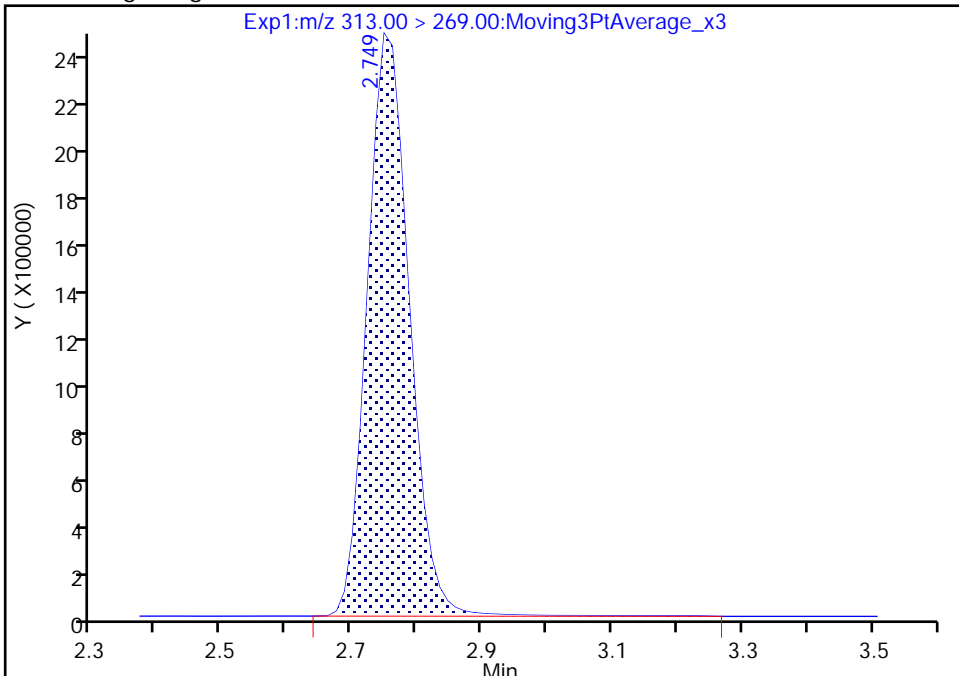
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

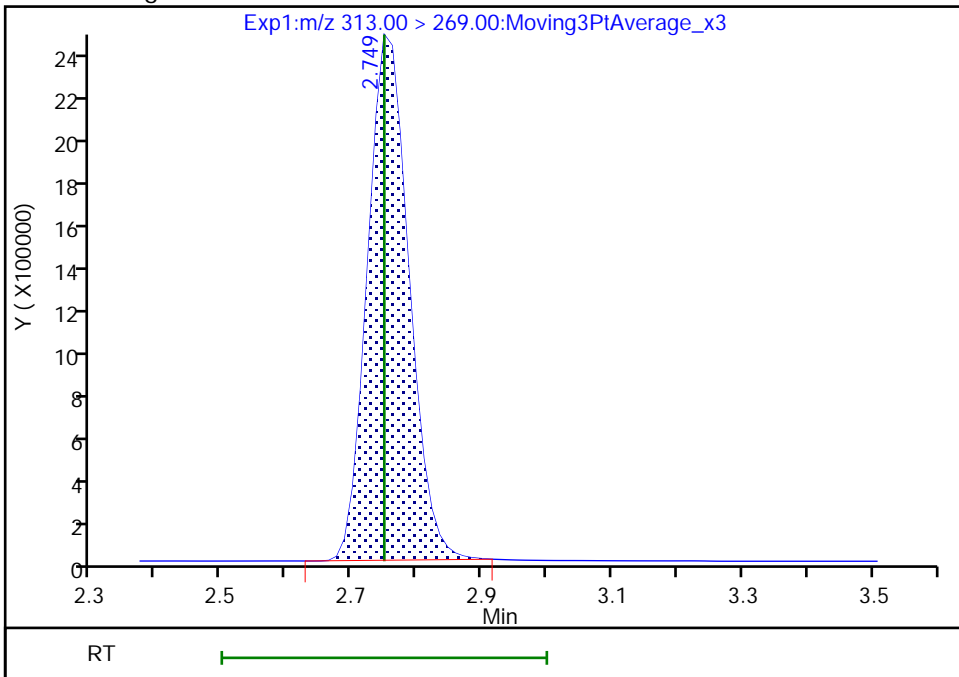
RT: 2.75
Area: 11116573
Amount: 9.762323
Amount Units: ng/ml

Processing Integration Results



RT: 2.75
Area: 10982567
Amount: 9.663596
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:02:47
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

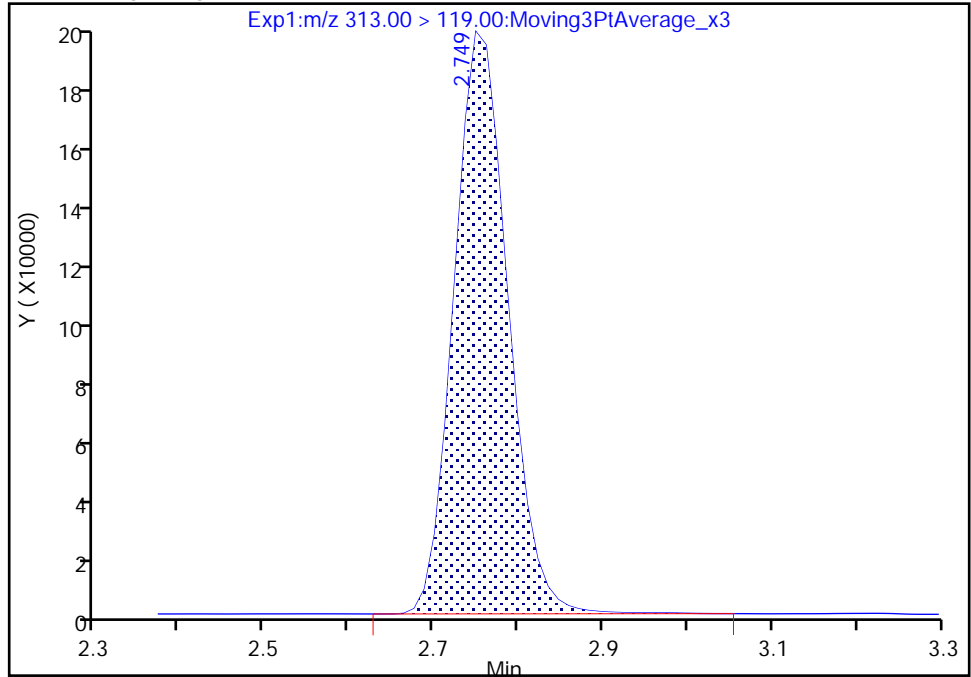
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

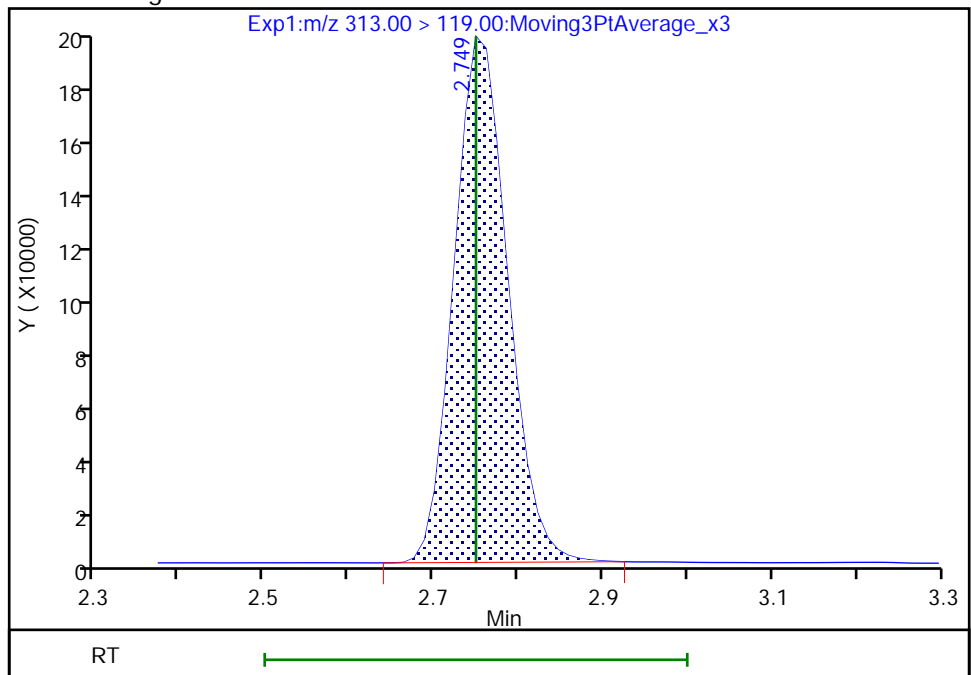
RT: 2.75
Area: 869014
Amount: 9.762323
Amount Units: ng/ml

Processing Integration Results



RT: 2.75
Area: 864666
Amount: 9.663596
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:02:51

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

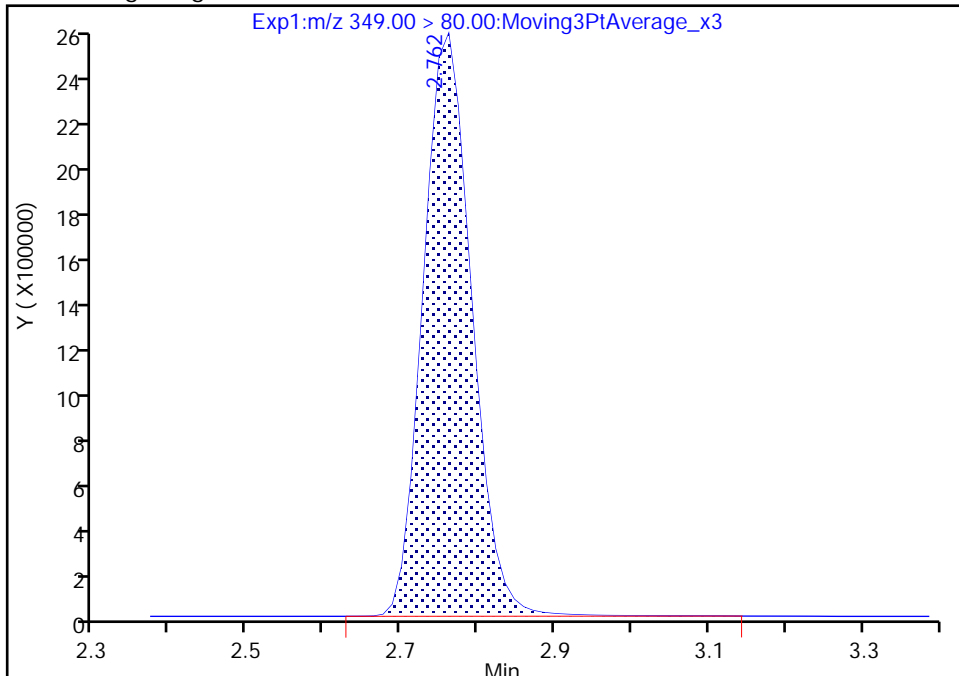
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

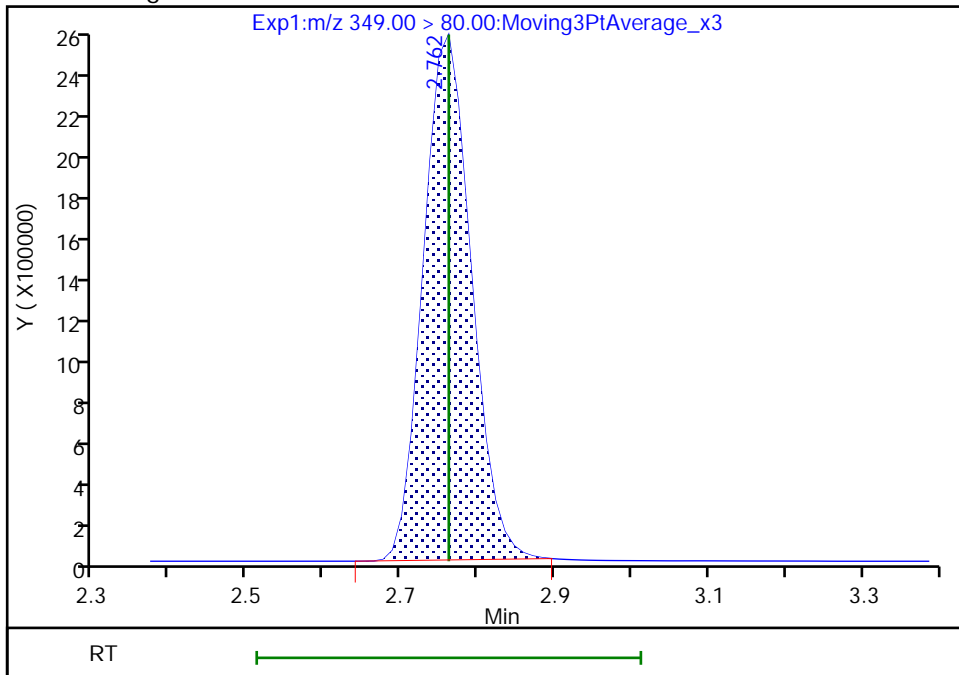
RT: 2.76
Area: 11147059
Amount: 9.213453
Amount Units: ng/ml

Processing Integration Results



RT: 2.76
Area: 11015177
Amount: 9.122115
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:02:57
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

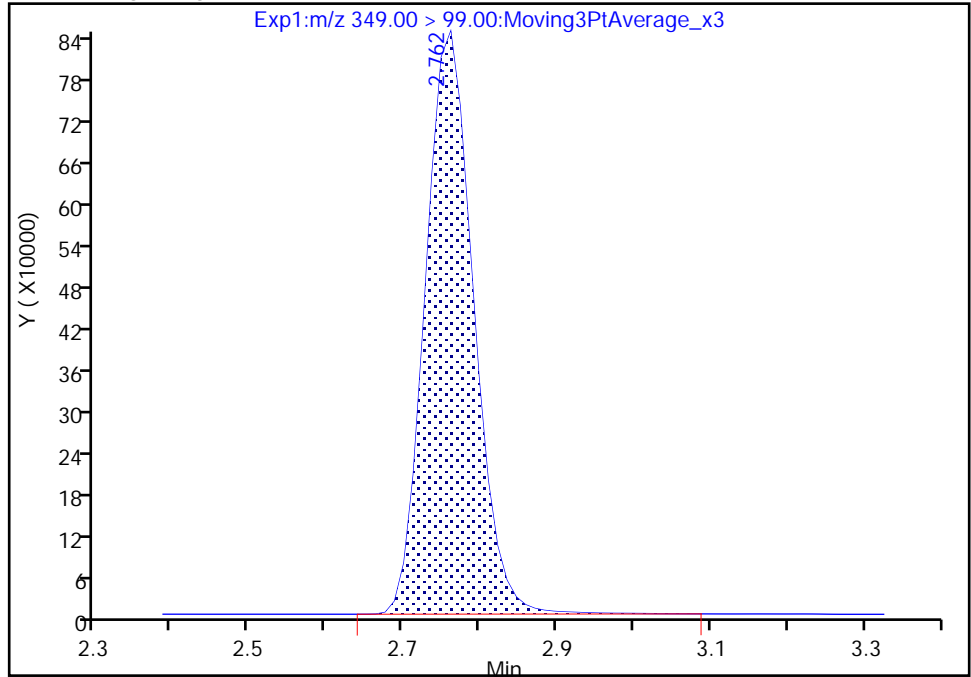
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Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 2

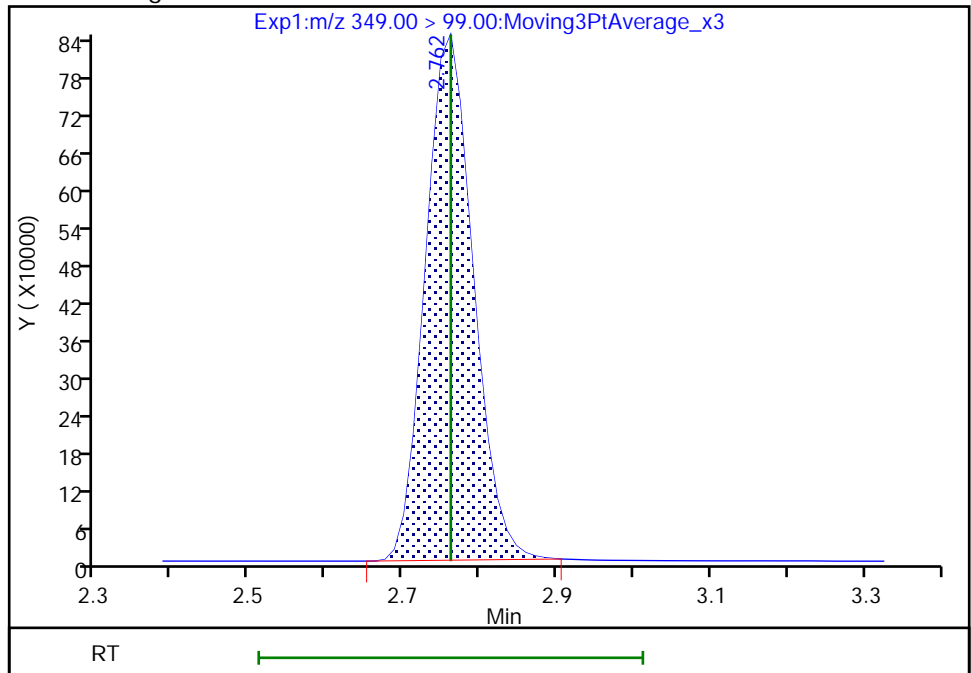
RT: 2.76
Area: 3654378
Amount: 9.213453
Amount Units: ng/ml

Processing Integration Results



RT: 2.76
Area: 3620783
Amount: 9.122115
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:03:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

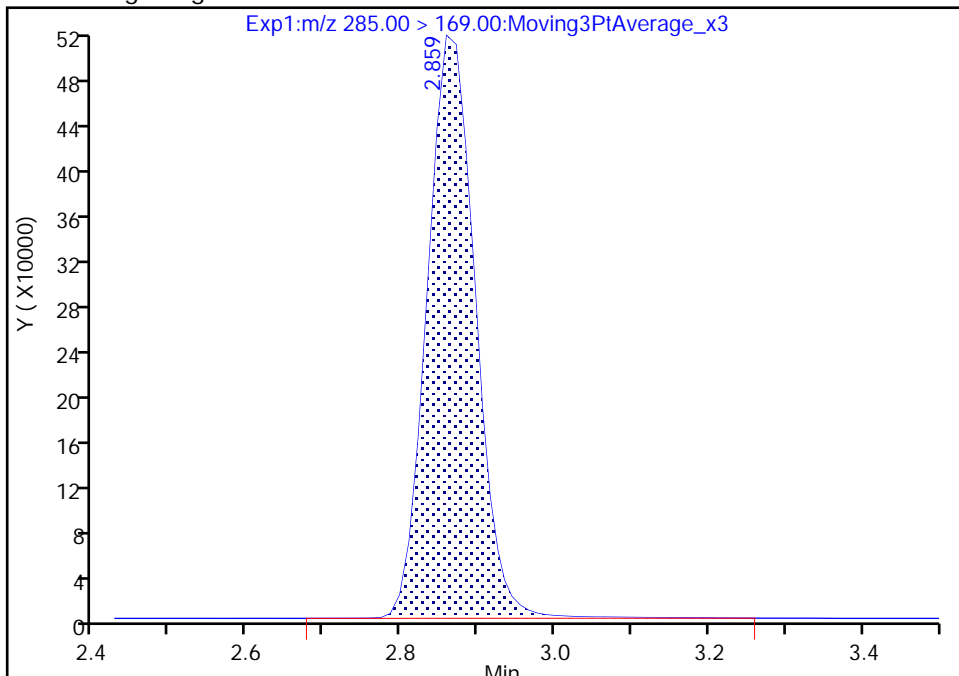
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

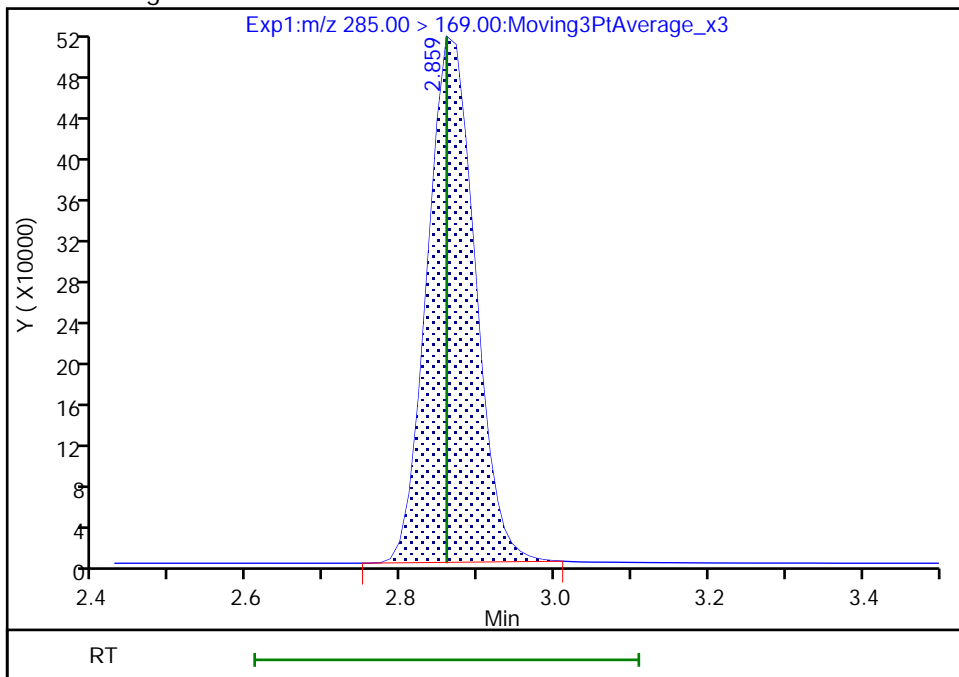
RT: 2.86
Area: 2216336
Amount: 9.476425
Amount Units: ng/ml

Processing Integration Results



RT: 2.86
Area: 2193377
Amount: 9.393627
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:03:07
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

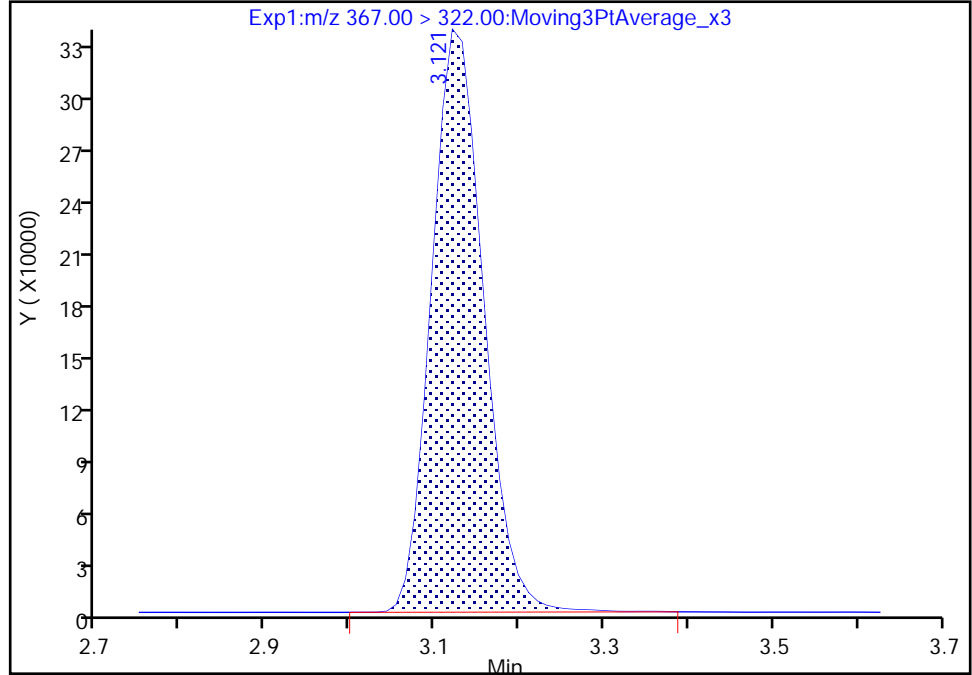
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 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 9 13C4 PFHpA, CAS: STL01892
Signal: 1

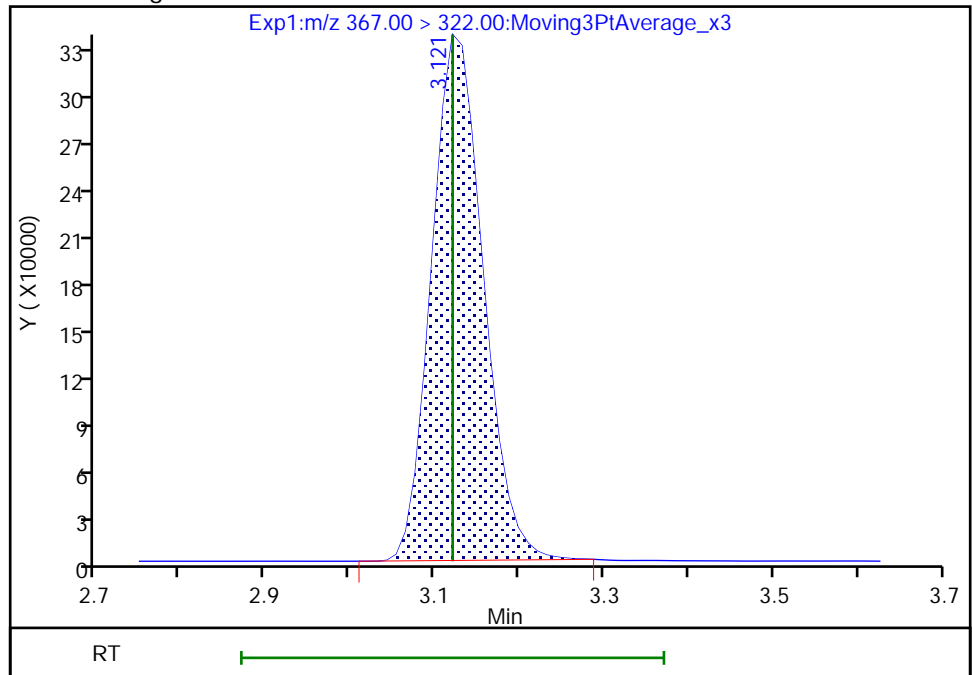
RT: 3.12
Area: 1410679
Amount: 1.230861
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 1400879
Amount: 1.233124
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:03:13
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

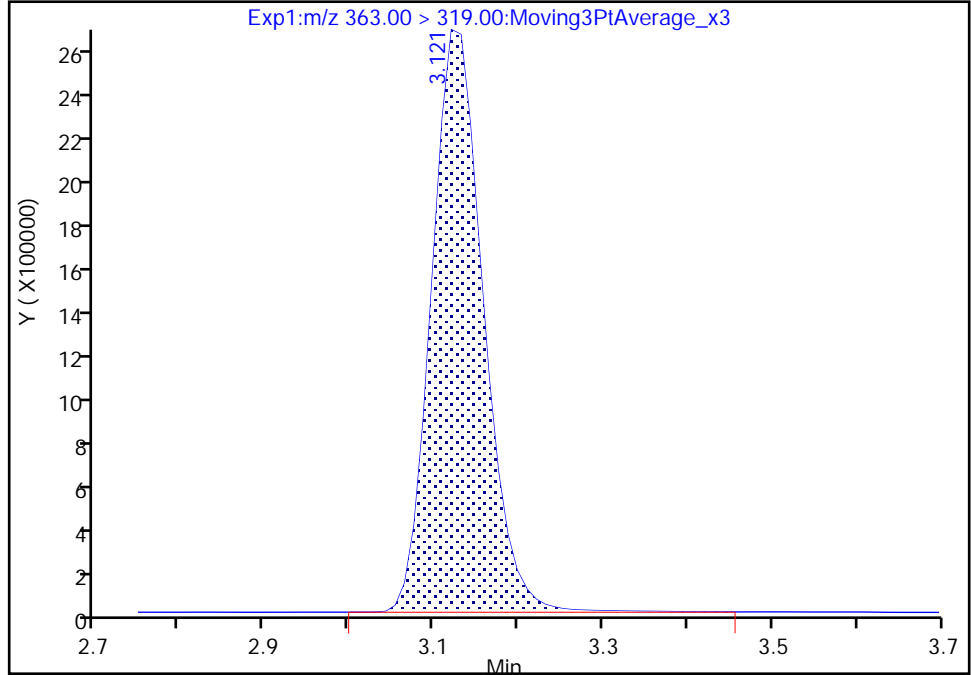
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

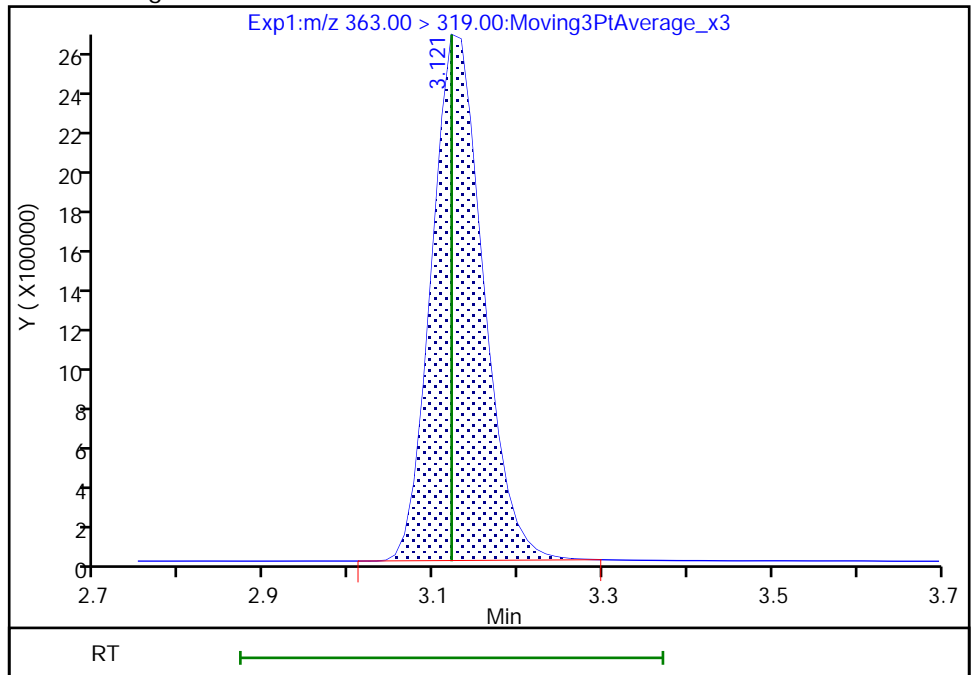
RT: 3.12
Area: 11295171
Amount: 9.765590
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 11197138
Amount: 9.694528
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:03:17
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

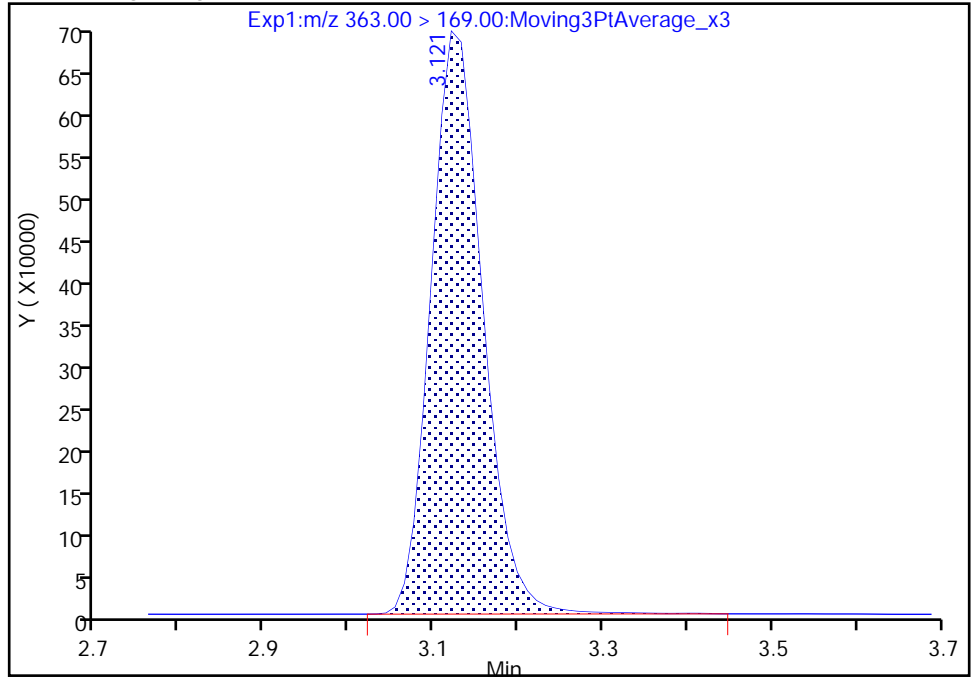
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

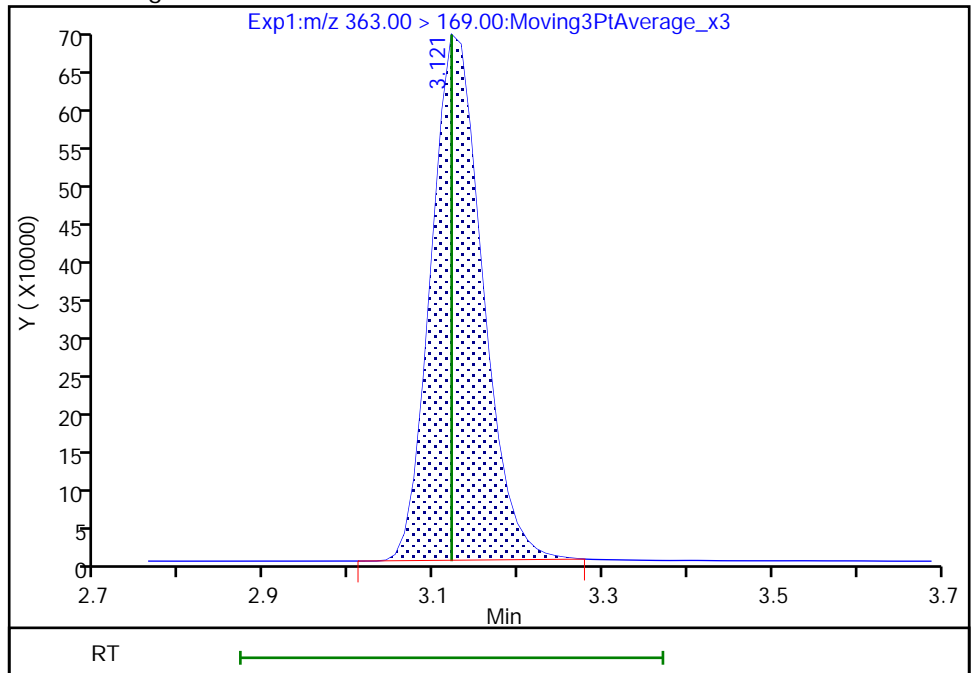
RT: 3.12
Area: 2957121
Amount: 9.765590
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 2929777
Amount: 9.694528
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:03:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

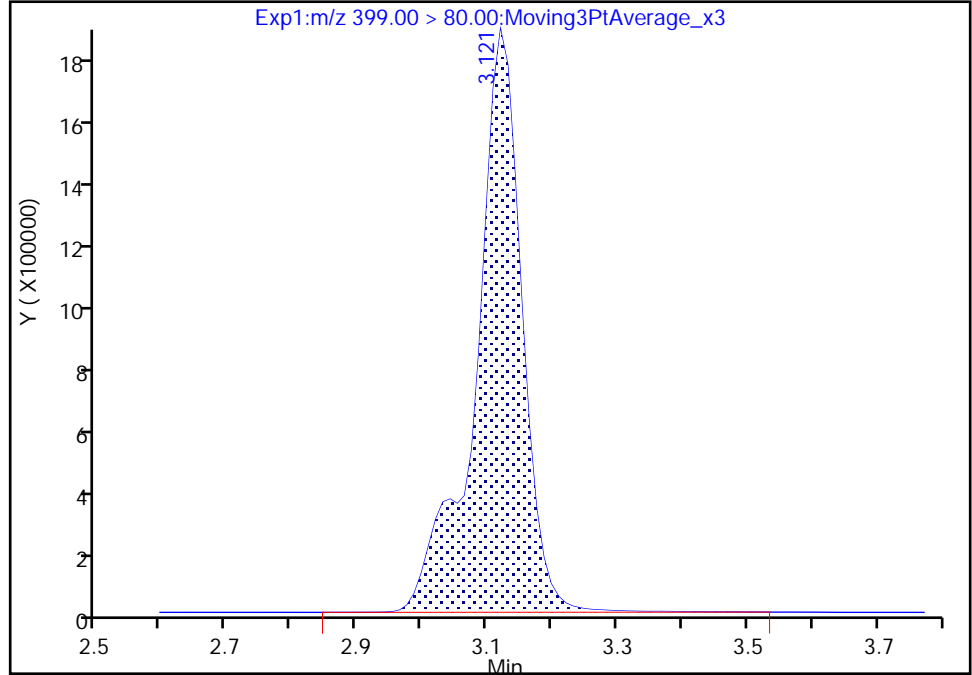
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

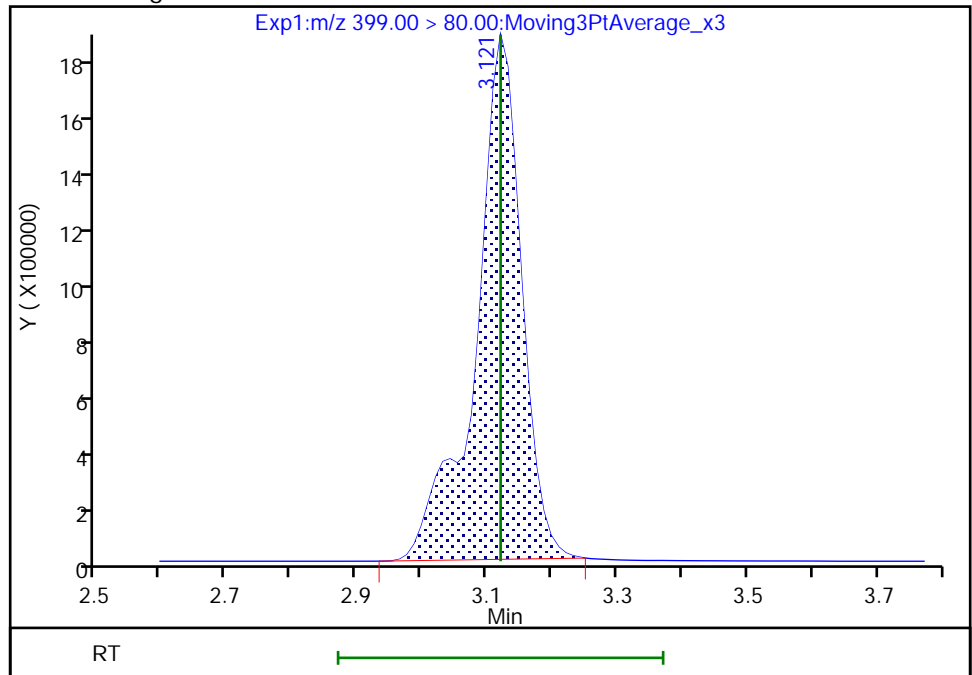
RT: 3.12
Area: 9063143
Amount: 8.800807
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 8919353
Amount: 8.683385
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

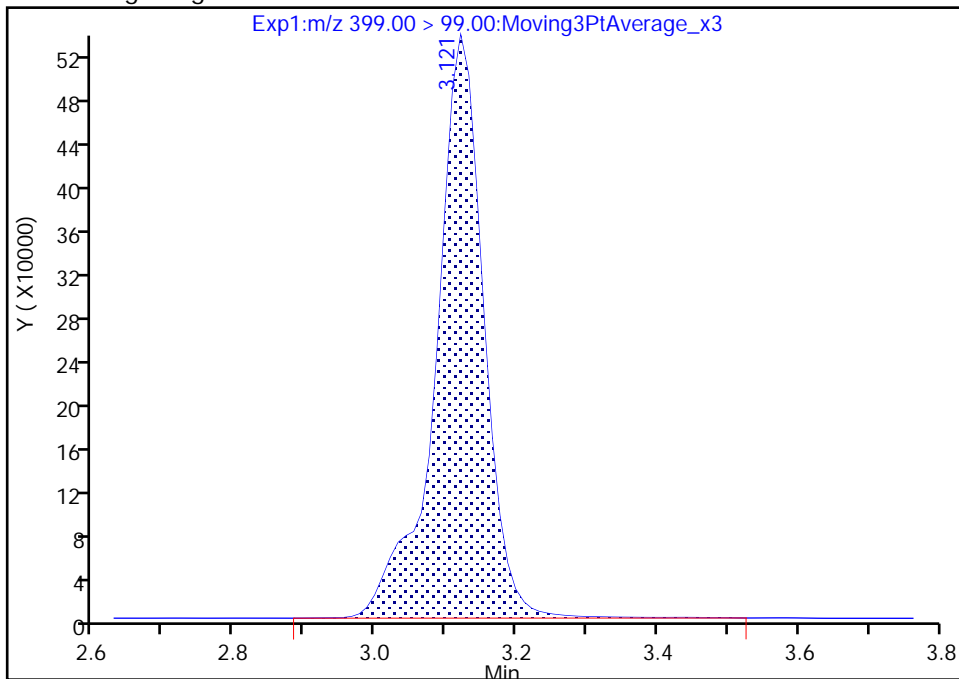
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

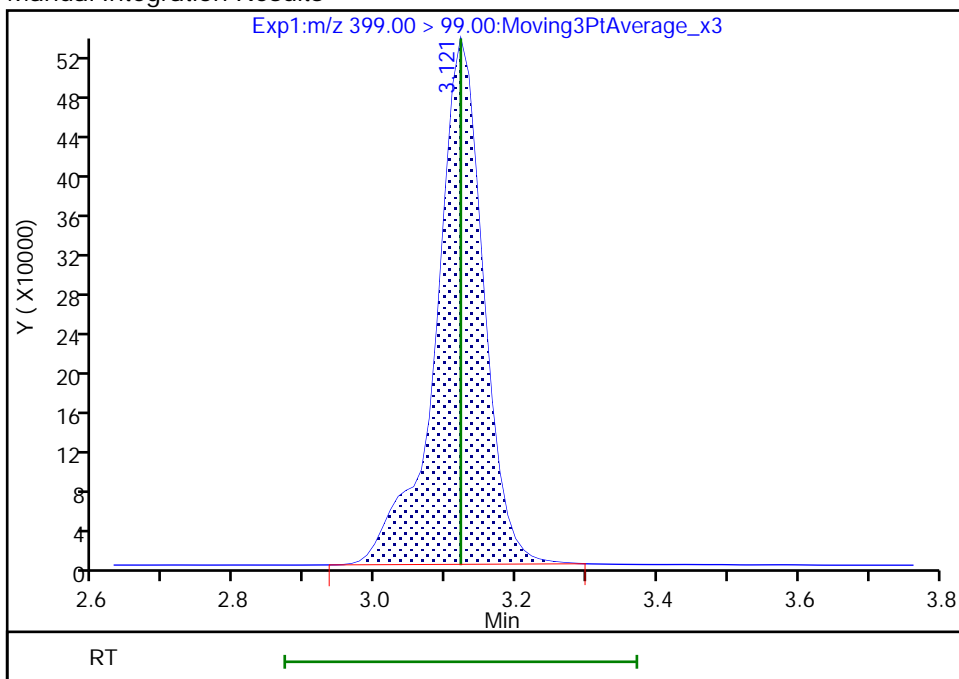
RT: 3.12
Area: 2529296
Amount: 8.800807
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 2507240
Amount: 8.683385
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

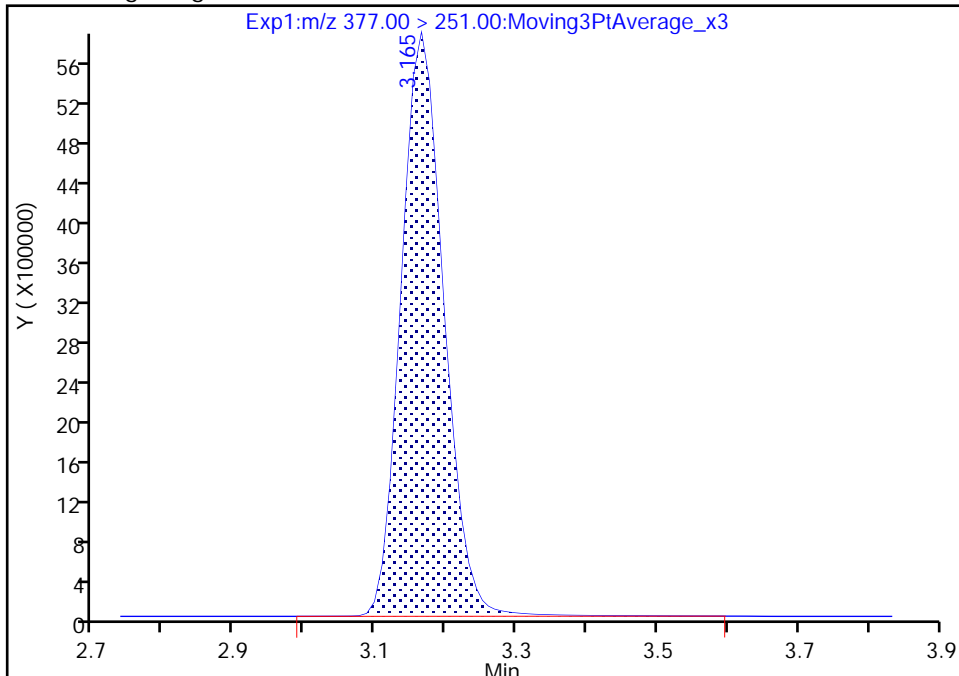
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 1

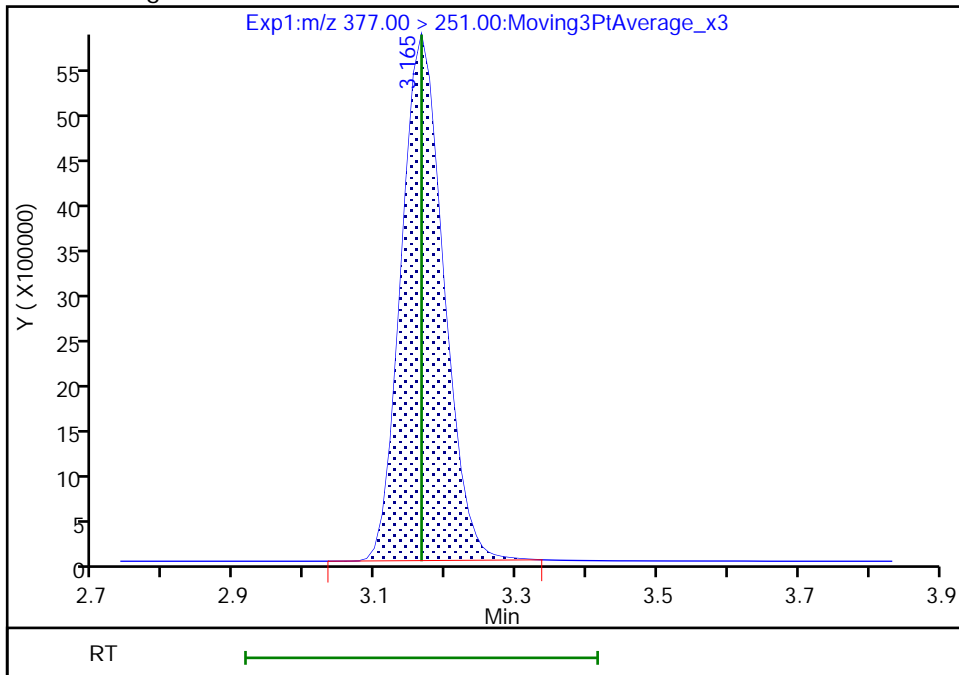
RT: 3.16
Area: 24633067
Amount: 8.662292
Amount Units: ng/ml

Processing Integration Results



RT: 3.16
Area: 24439985
Amount: 8.636428
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:03:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

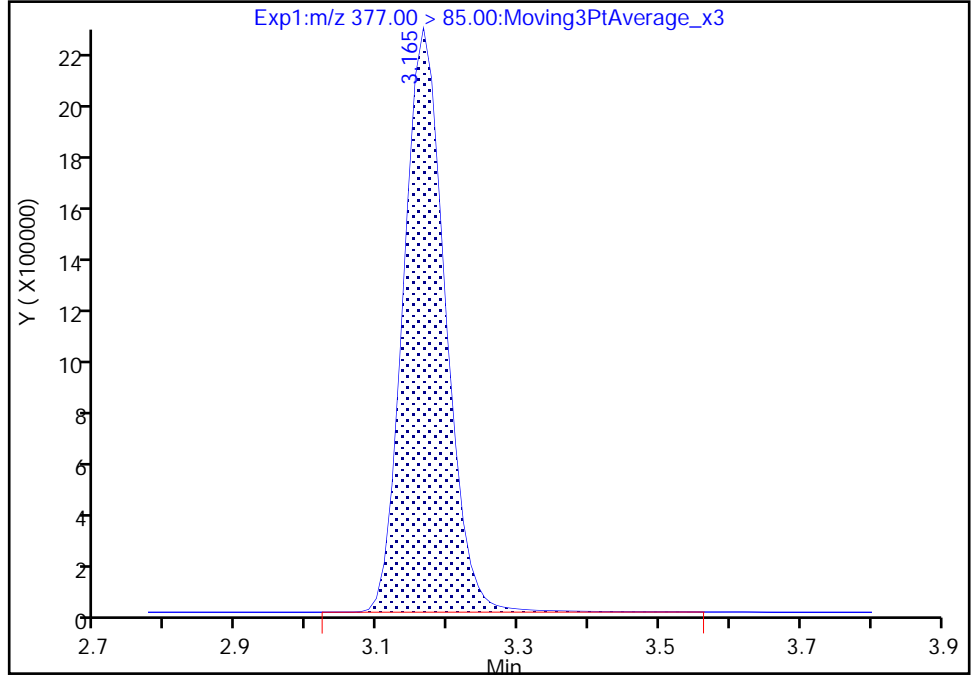
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 2

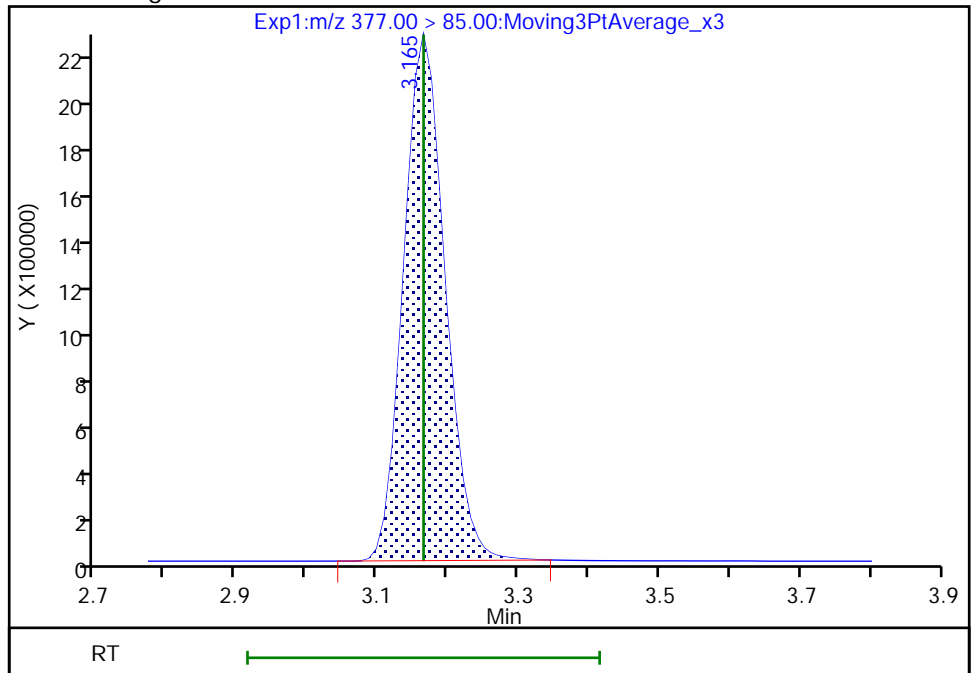
RT: 3.16
Area: 9349256
Amount: 8.662292
Amount Units: ng/ml

Processing Integration Results



RT: 3.16
Area: 9289763
Amount: 8.636428
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:03:44

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

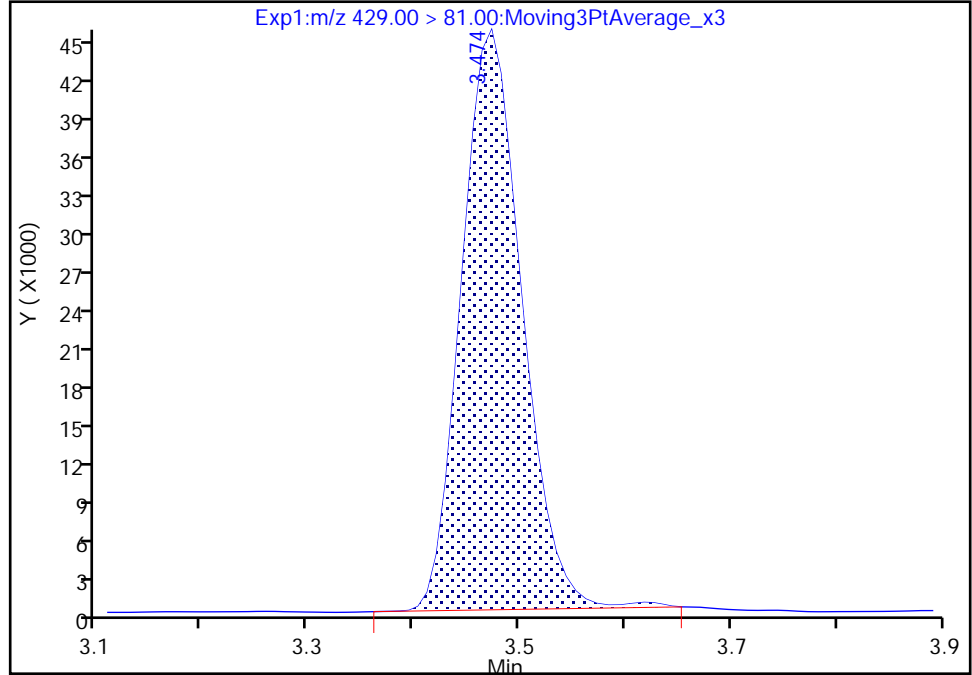
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 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 12 M2-6:2 FTS, CAS: STL02279
Signal: 1

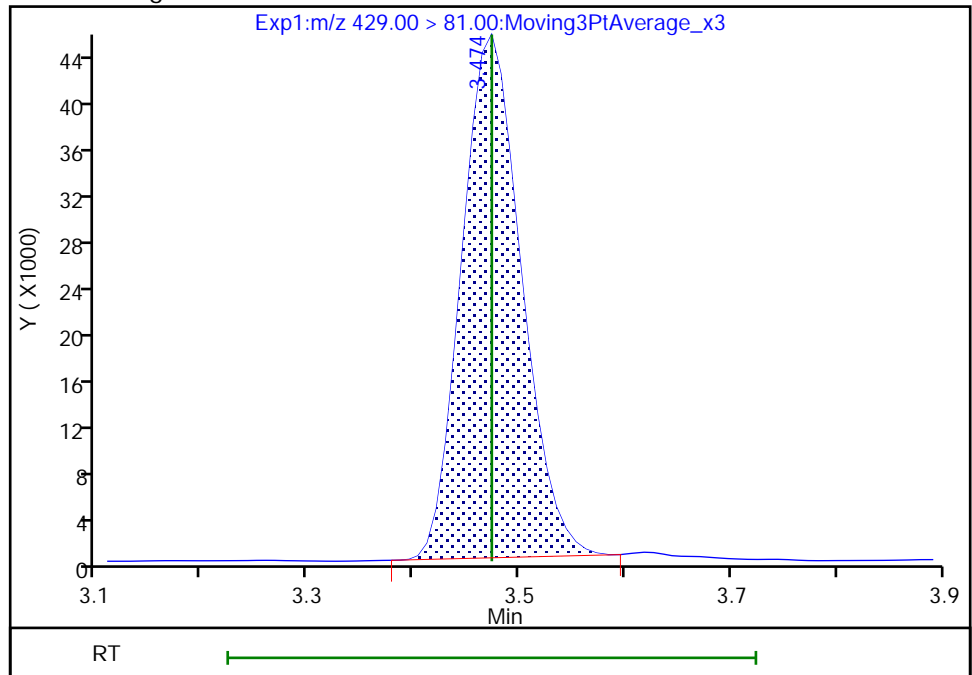
RT: 3.47
Area: 179475
Amount: 1.189435
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 177168
Amount: 1.185705
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

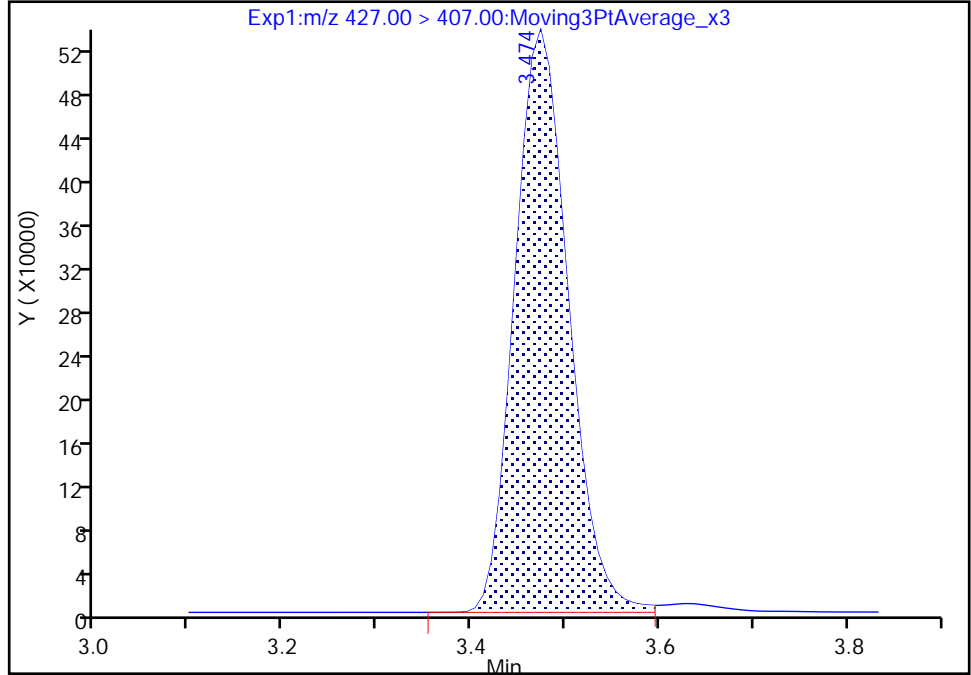
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

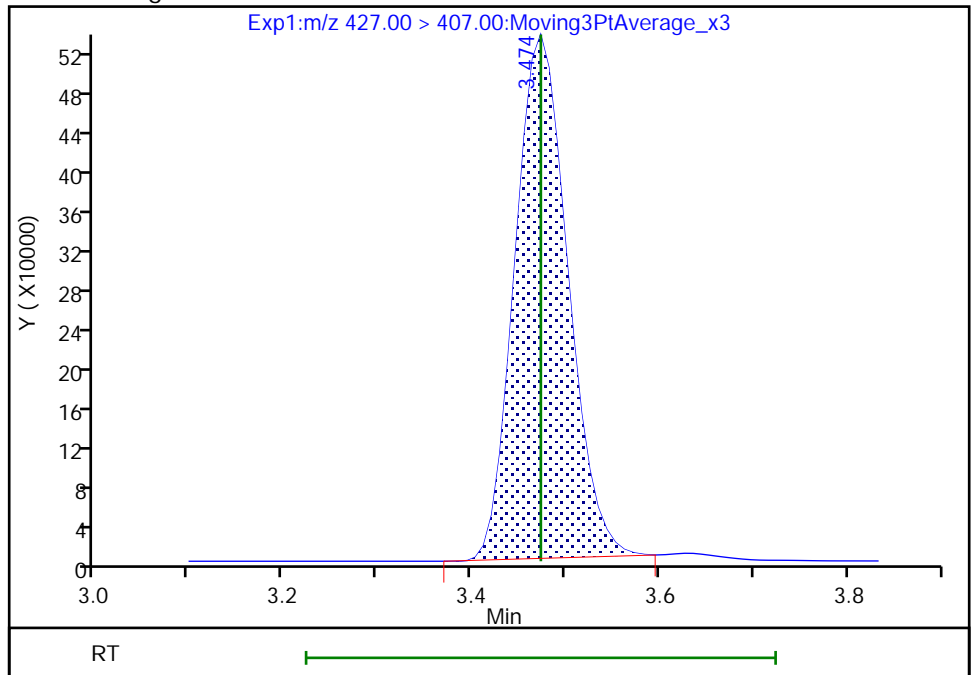
RT: 3.47
Area: 2111693
Amount: 9.551966
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 2069626
Amount: 9.502882
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:03:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

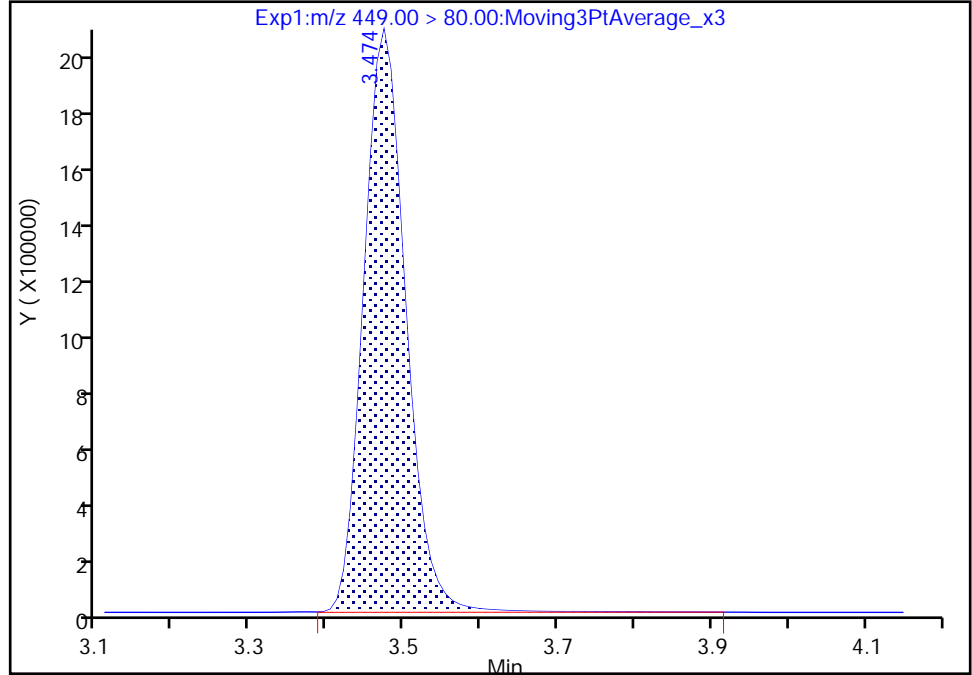
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

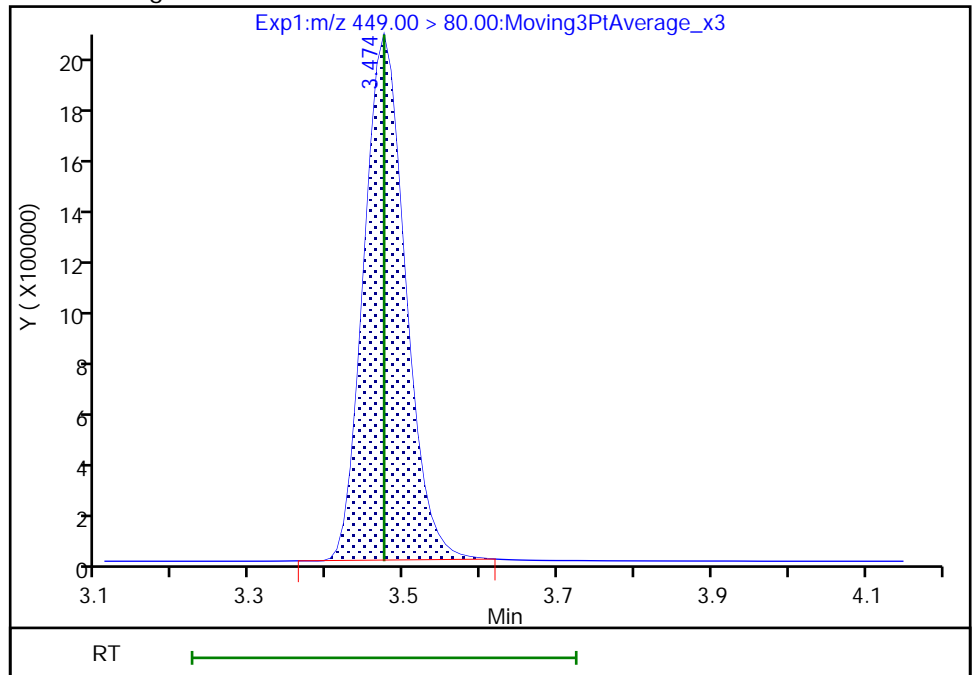
RT: 3.47
Area: 7906161
Amount: 9.256272
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 7802287
Amount: 9.187550
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:04:01
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

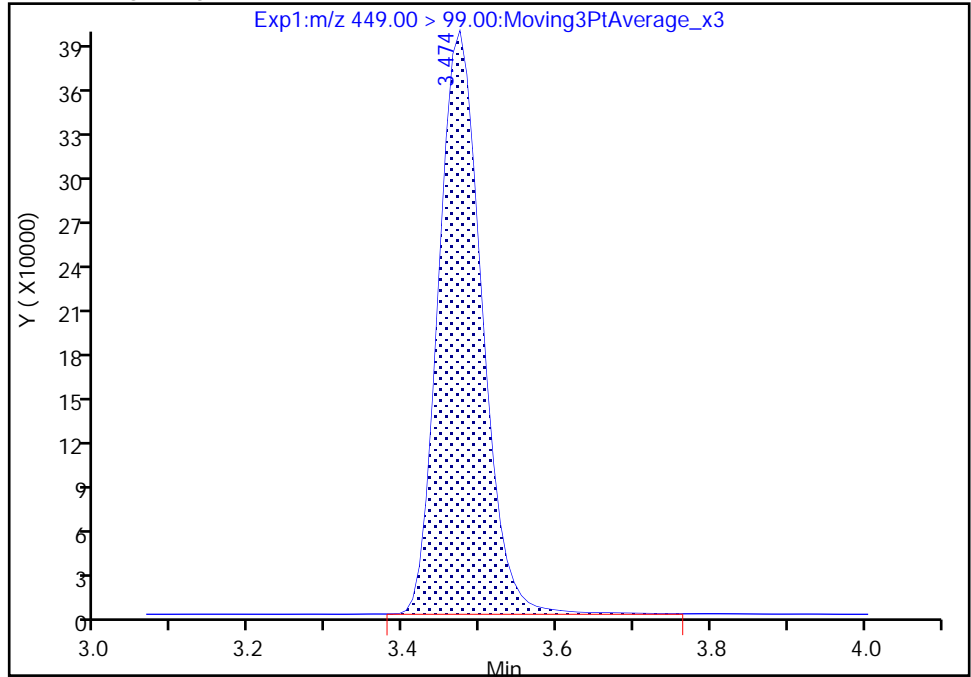
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

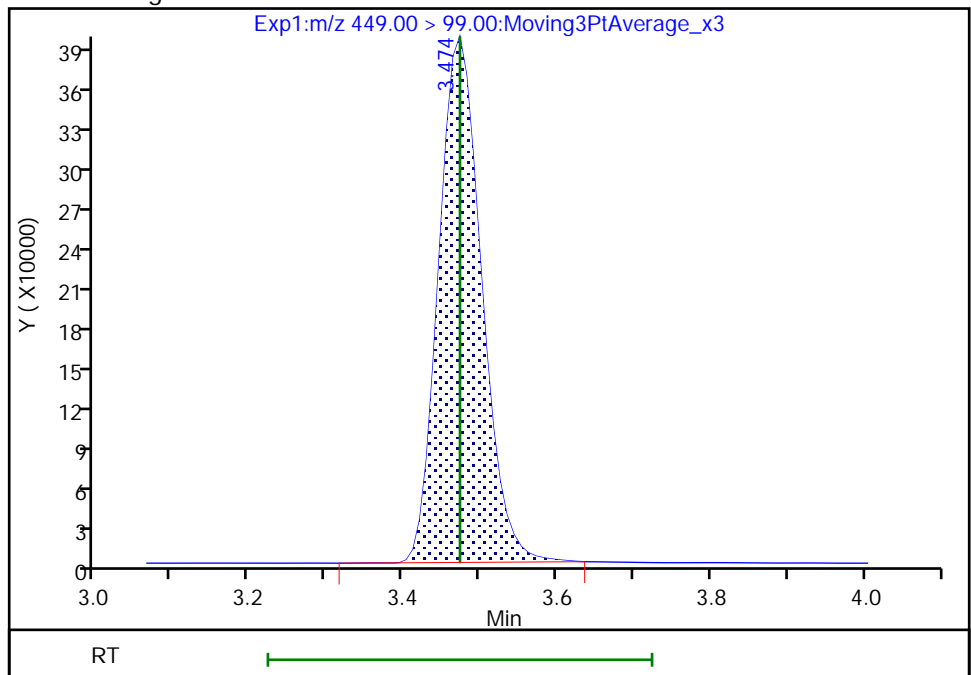
RT: 3.47
Area: 1553203
Amount: 9.256272
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 1537874
Amount: 9.187550
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:04:05

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

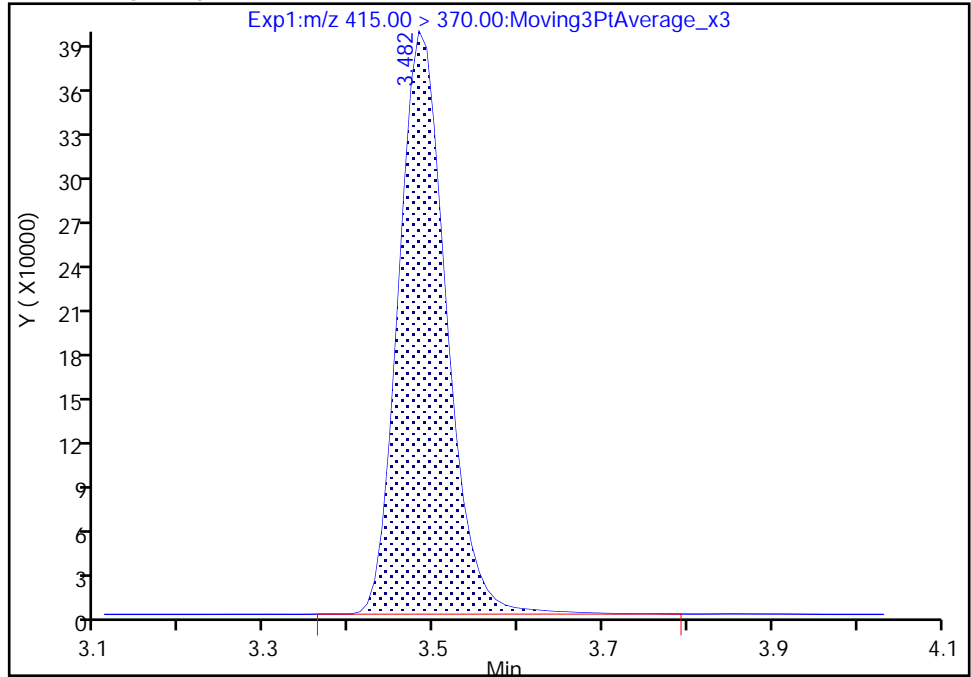
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 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

* 62 13C2 PFOA, CAS: STL00623
Signal: 1

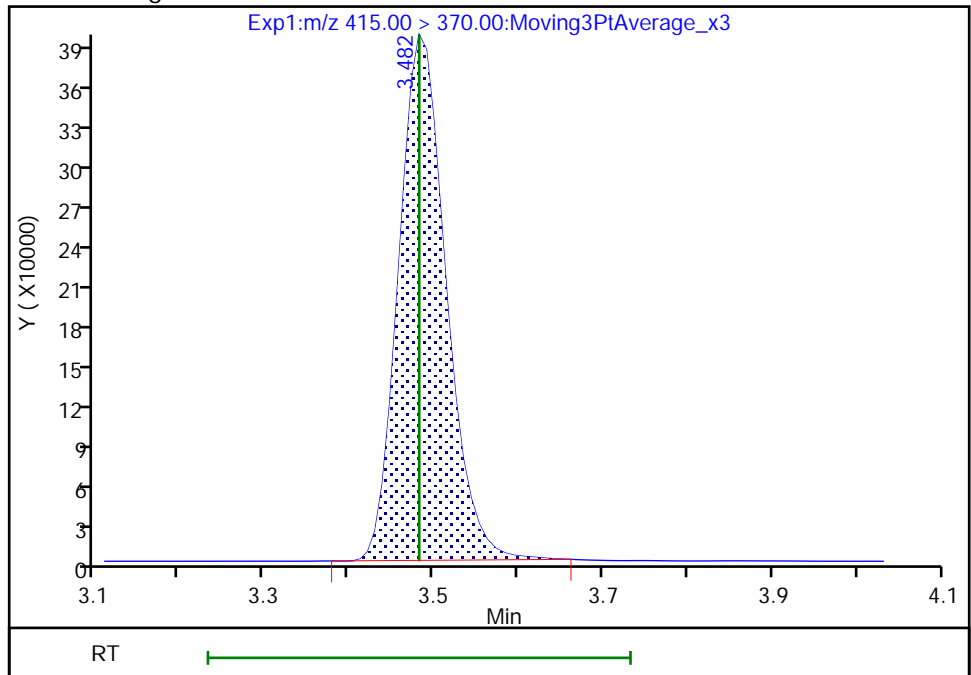
RT: 3.48
Area: 1541689
Amount: 1.250000
Amount Units: ng/ml

Processing Integration Results



RT: 3.48
Area: 1527618
Amount: 1.250000
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:04:45
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

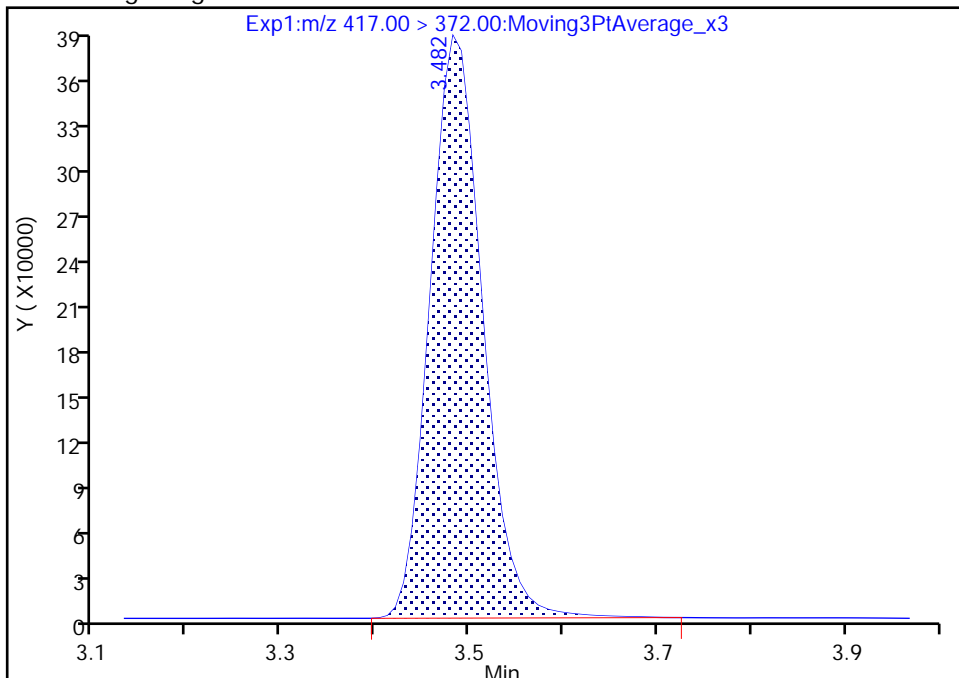
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

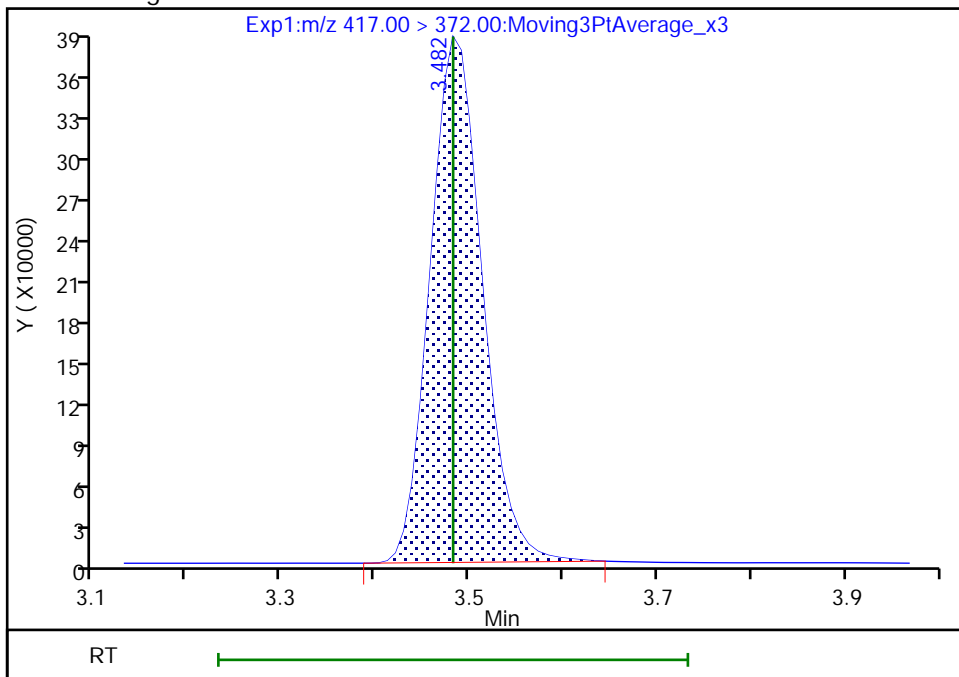
RT: 3.48
Area: 1494730
Amount: 1.272733
Amount Units: ng/ml

Processing Integration Results



RT: 3.48
Area: 1483901
Amount: 1.274740
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:04:30
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

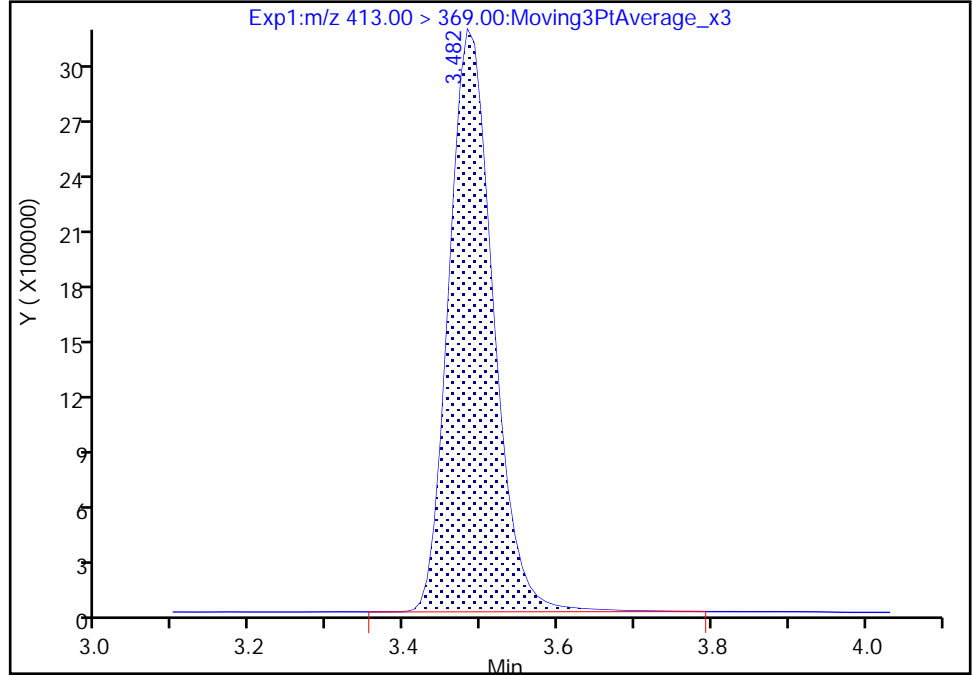
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

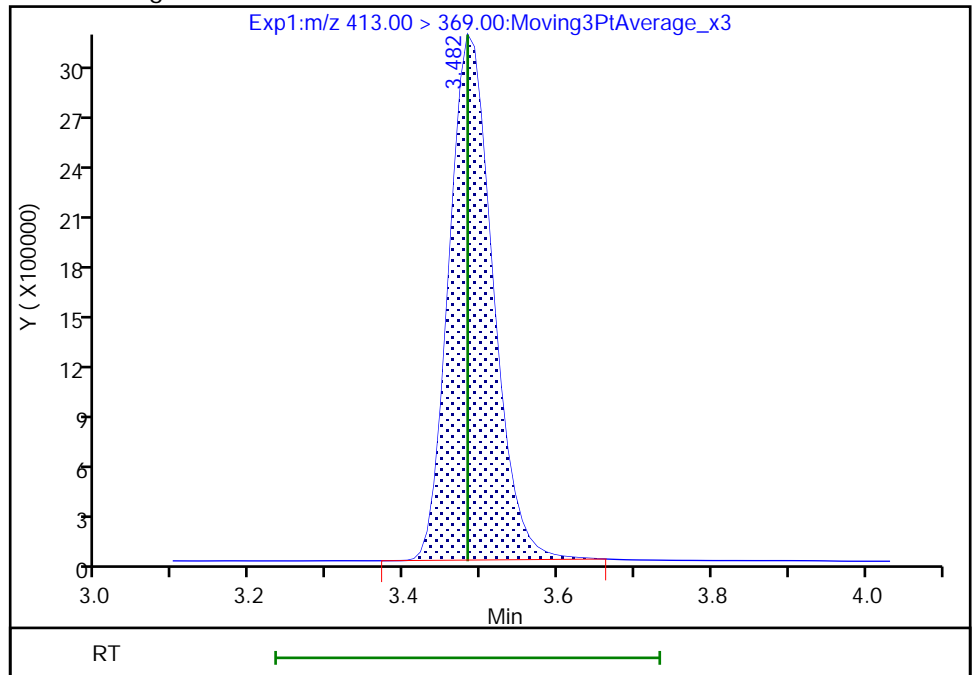
RT: 3.48
Area: 12455190
Amount: 9.285632
Amount Units: ng/ml

Processing Integration Results



RT: 3.48
Area: 12341745
Amount: 9.270895
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:04:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

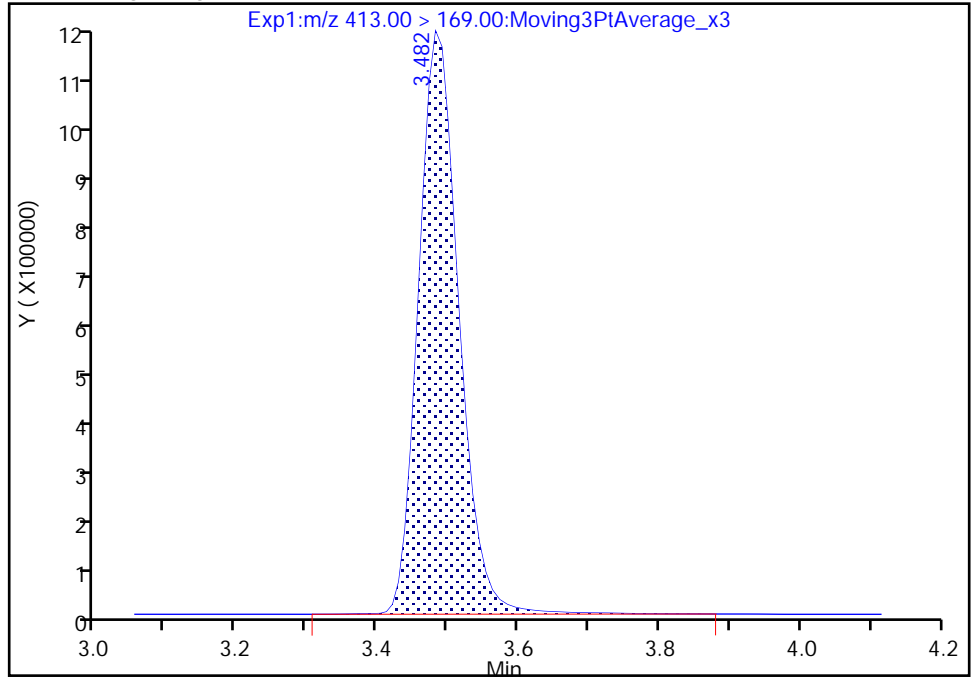
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

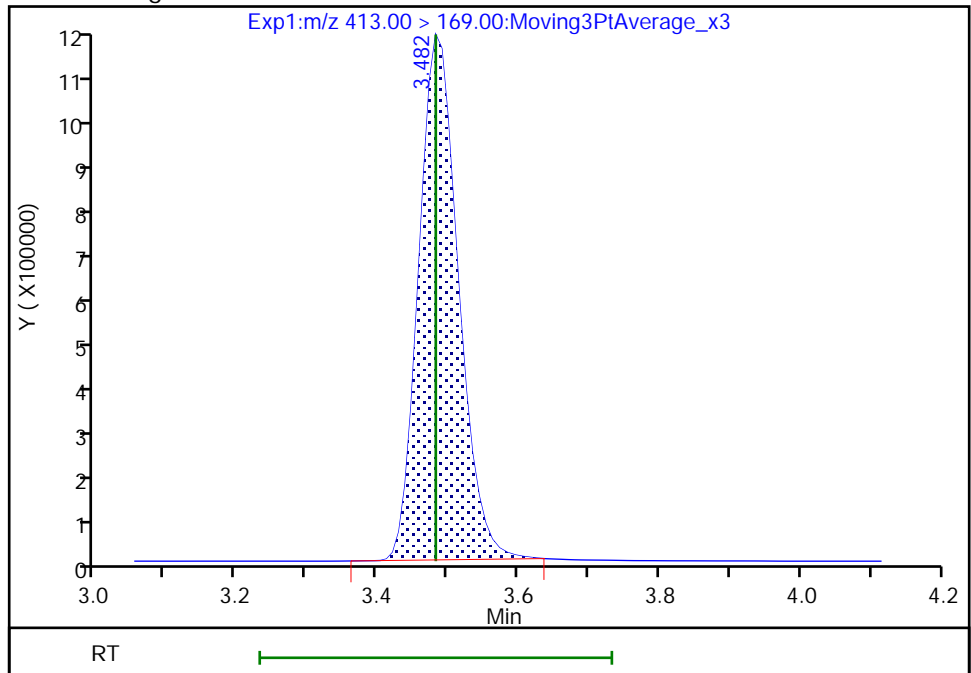
RT: 3.48
Area: 4673670
Amount: 9.285632
Amount Units: ng/ml

Processing Integration Results



RT: 3.48
Area: 4602327
Amount: 9.270895
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:04:15

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

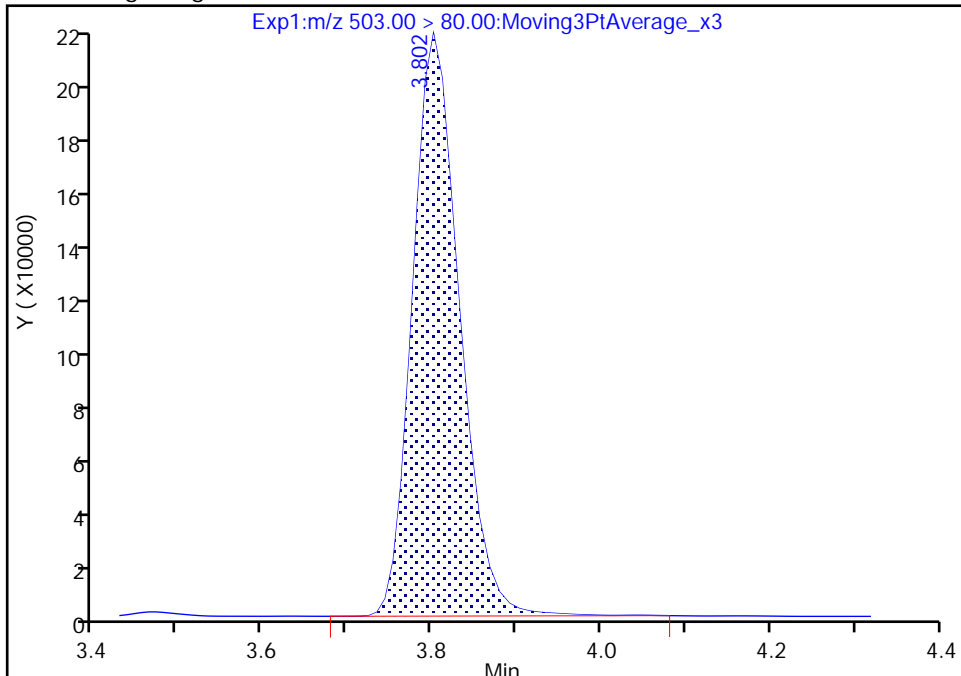
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 18 13C4 PFOS, CAS: STL00991

Signal: 1

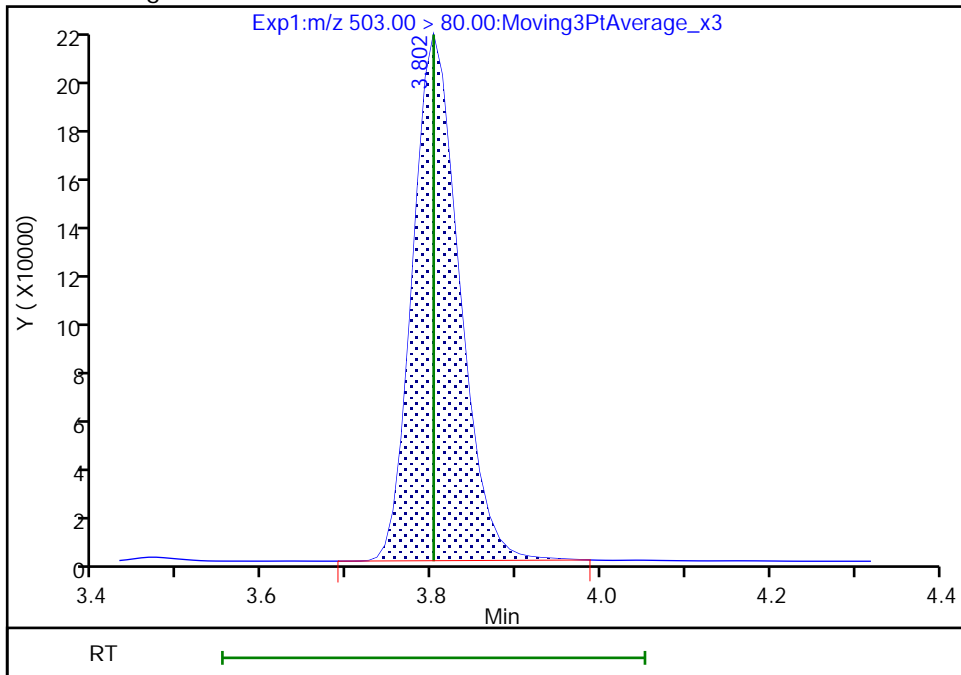
RT: 3.80
Area: 824616
Amount: 1.236112
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 821046
Amount: 1.231680
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:09:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

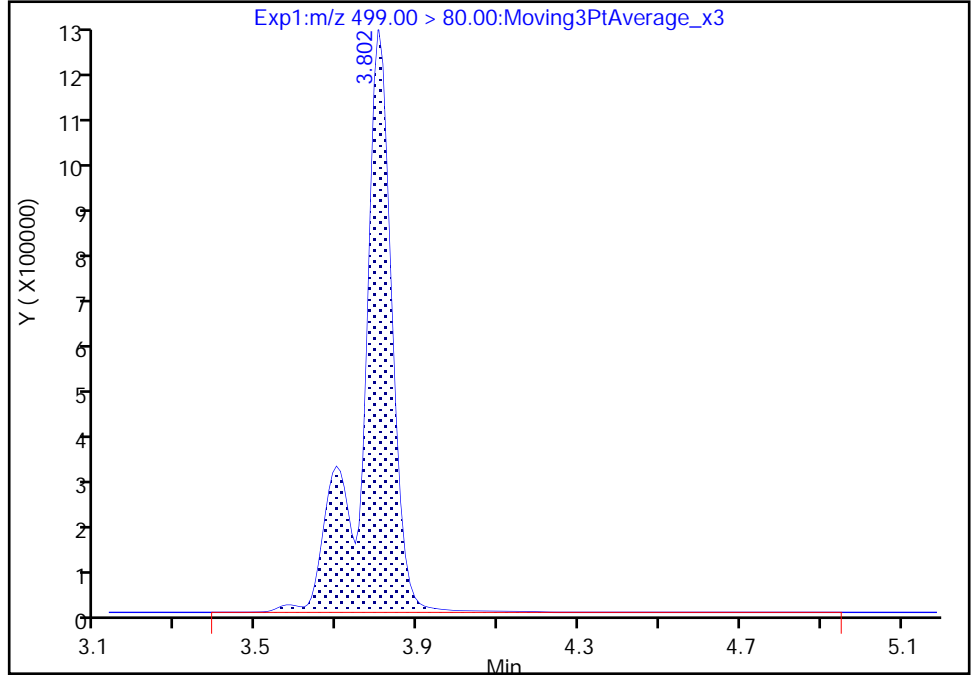
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

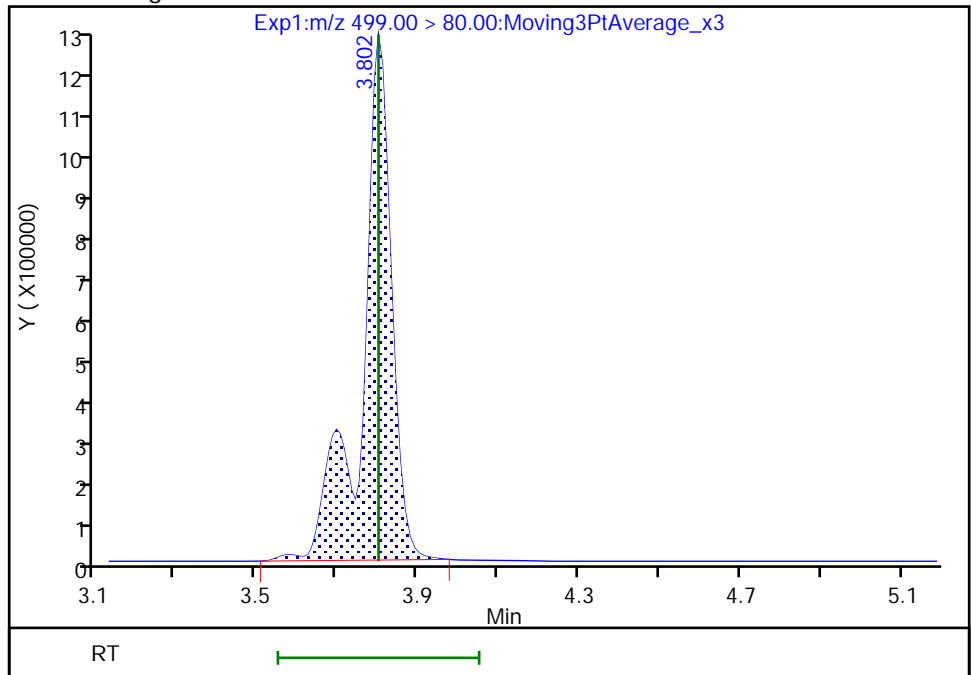
RT: 3.80
Area: 6489973
Amount: 8.493599
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 6393833
Amount: 9.334770
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:04:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

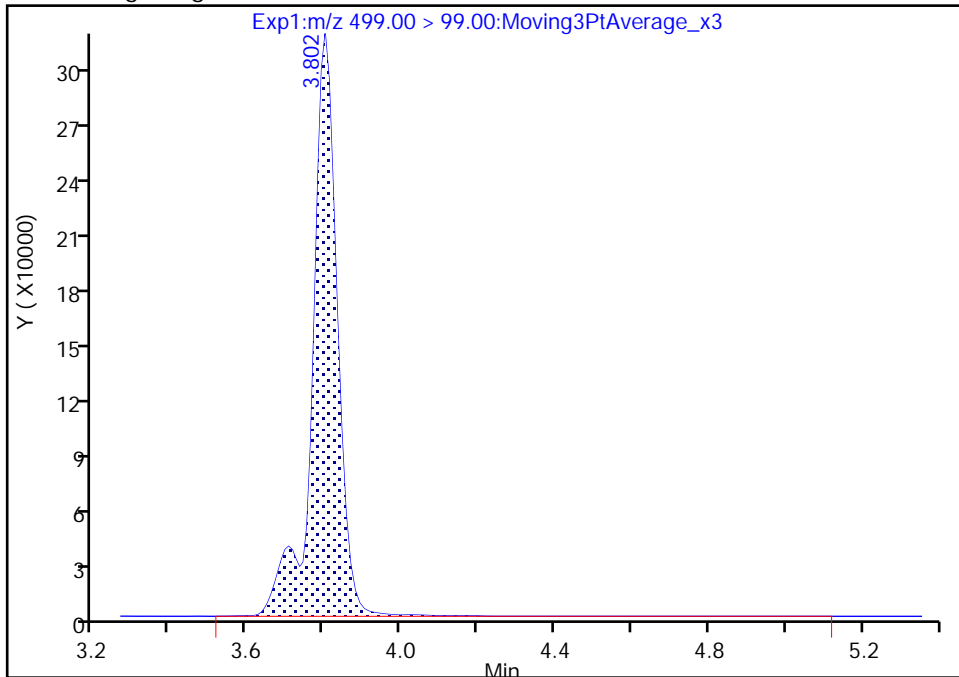
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

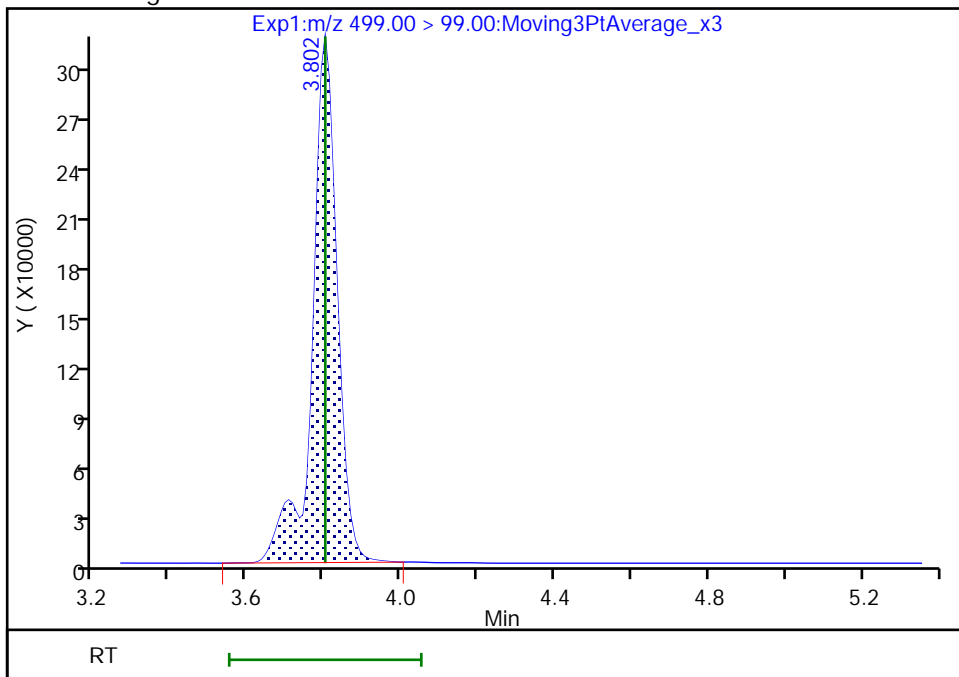
RT: 3.80
Area: 1404238
Amount: 8.493599
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 1390243
Amount: 9.334770
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:04:56

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

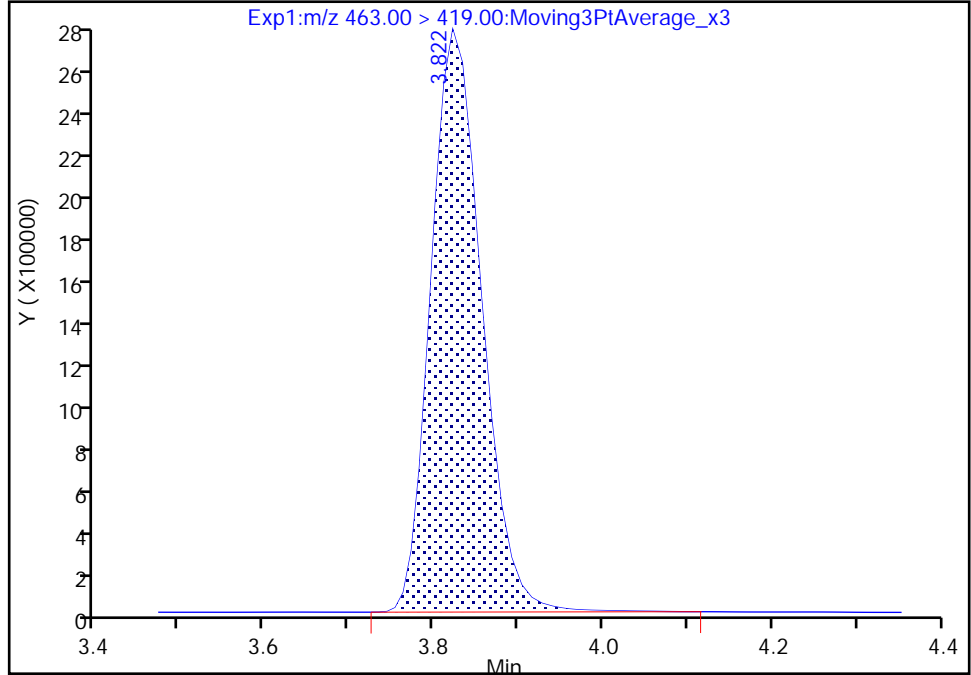
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

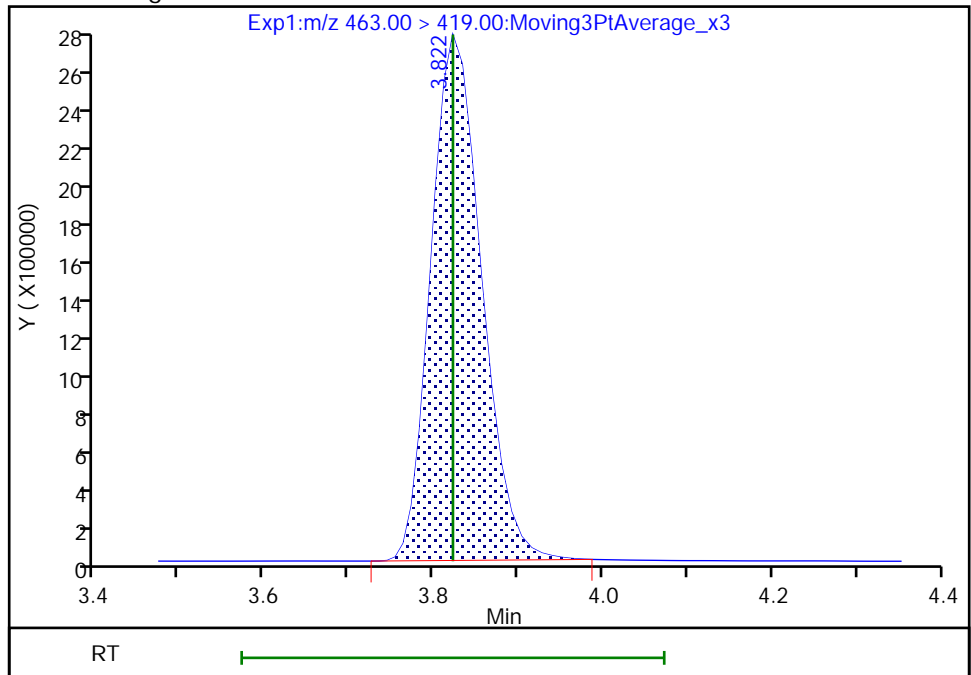
RT: 3.82
Area: 11483914
Amount: 9.473981
Amount Units: ng/ml

Processing Integration Results



RT: 3.82
Area: 11406519
Amount: 9.420156
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

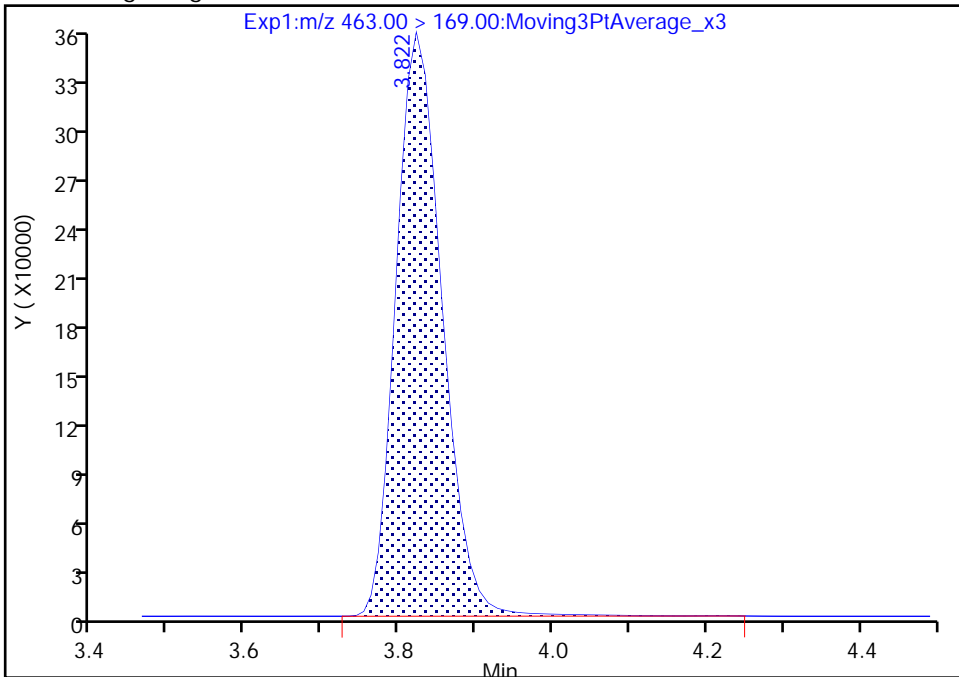
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

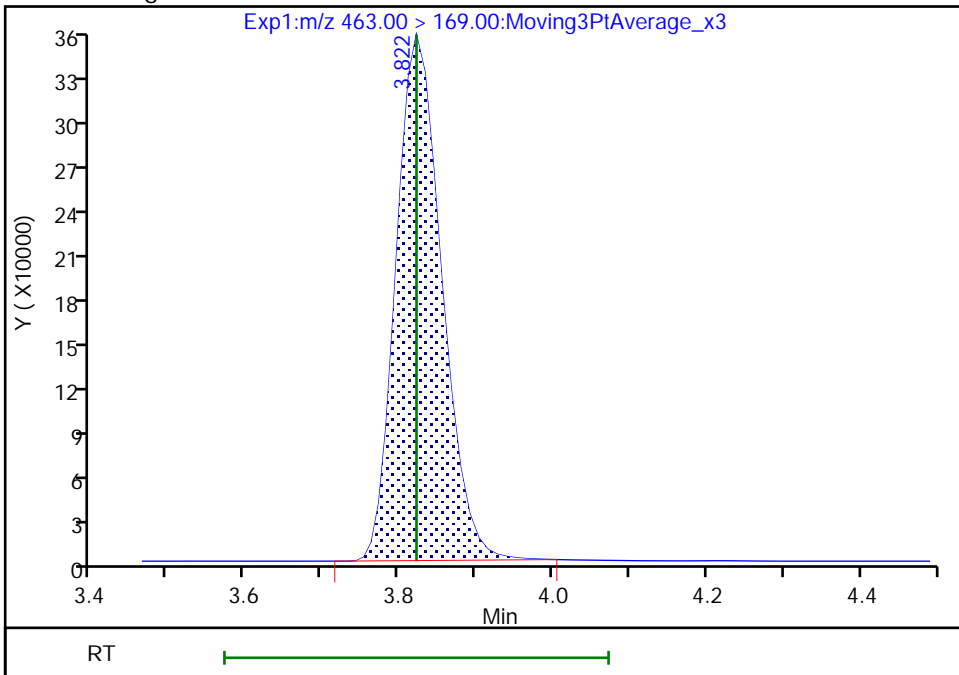
RT: 3.82
Area: 1482641
Amount: 9.473981
Amount Units: ng/ml

Processing Integration Results



RT: 3.82
Area: 1469986
Amount: 9.420156
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

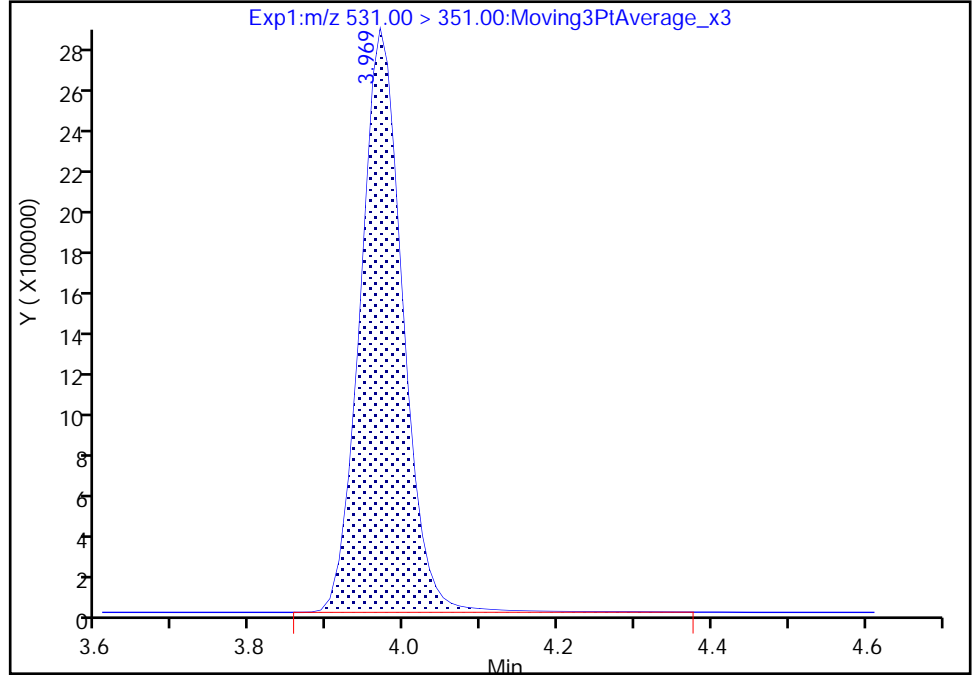
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

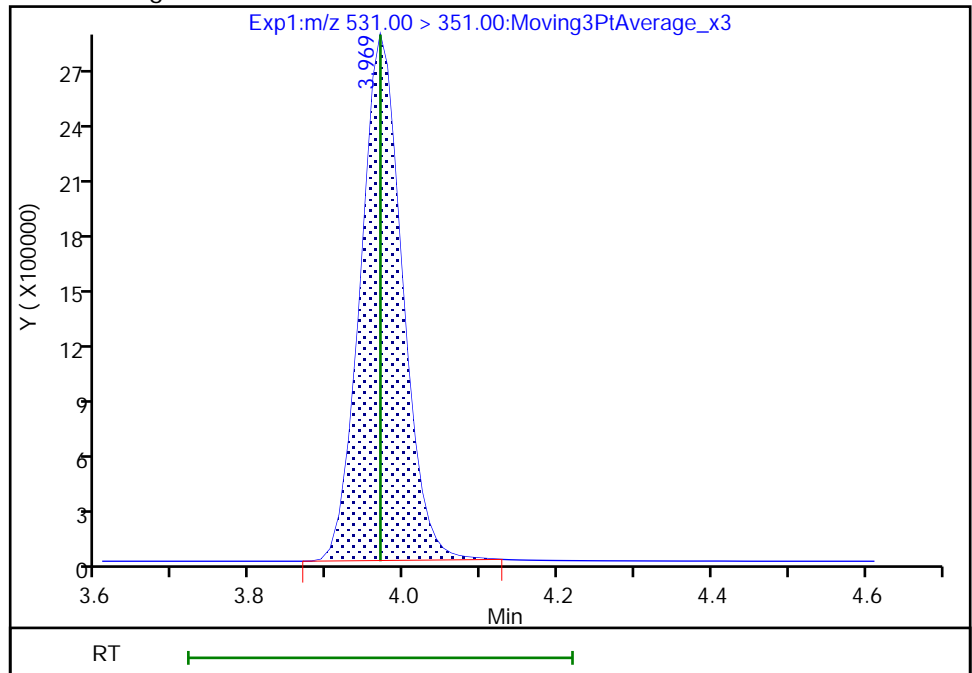
RT: 3.97
Area: 10935442
Amount: 8.994955
Amount Units: ng/ml

Processing Integration Results



RT: 3.97
Area: 10822143
Amount: 8.916621
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:10:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

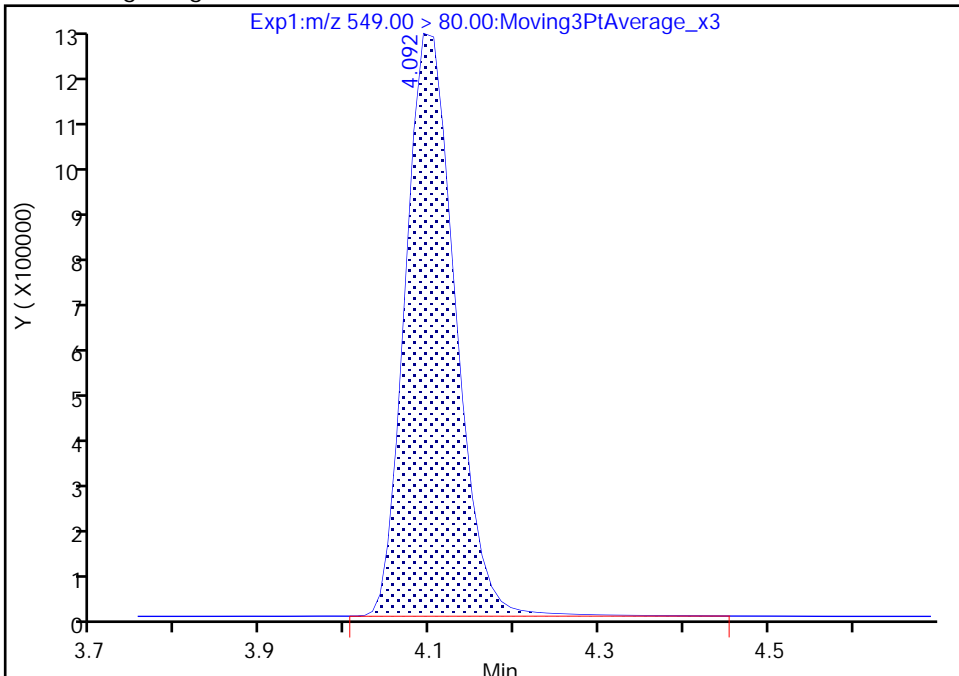
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 1

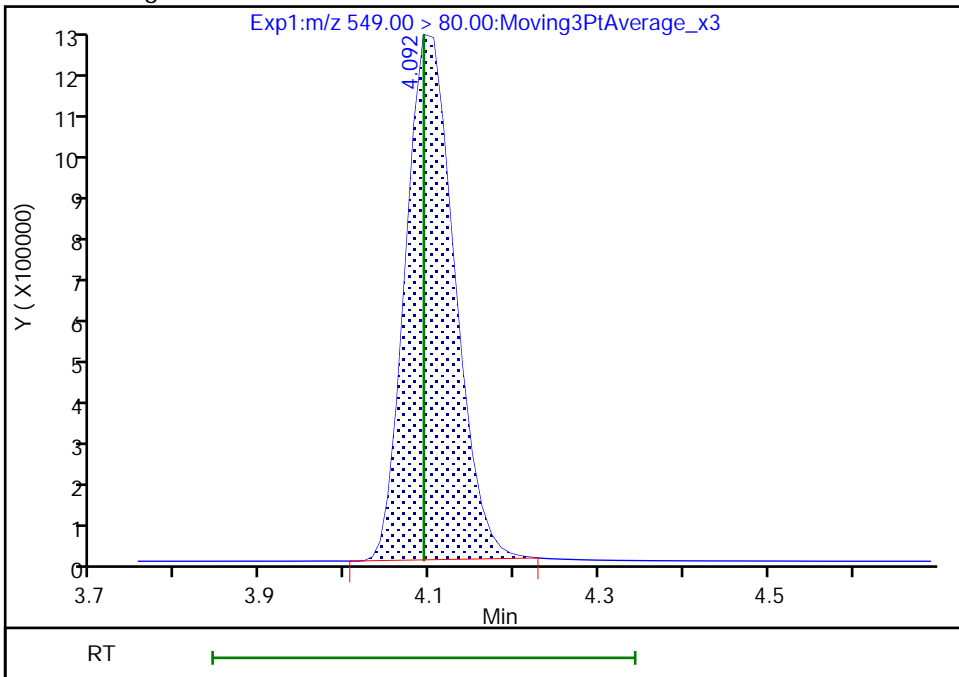
RT: 4.09
Area: 4999400
Amount: 9.271245
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 4925638
Amount: 9.156200
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:10:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

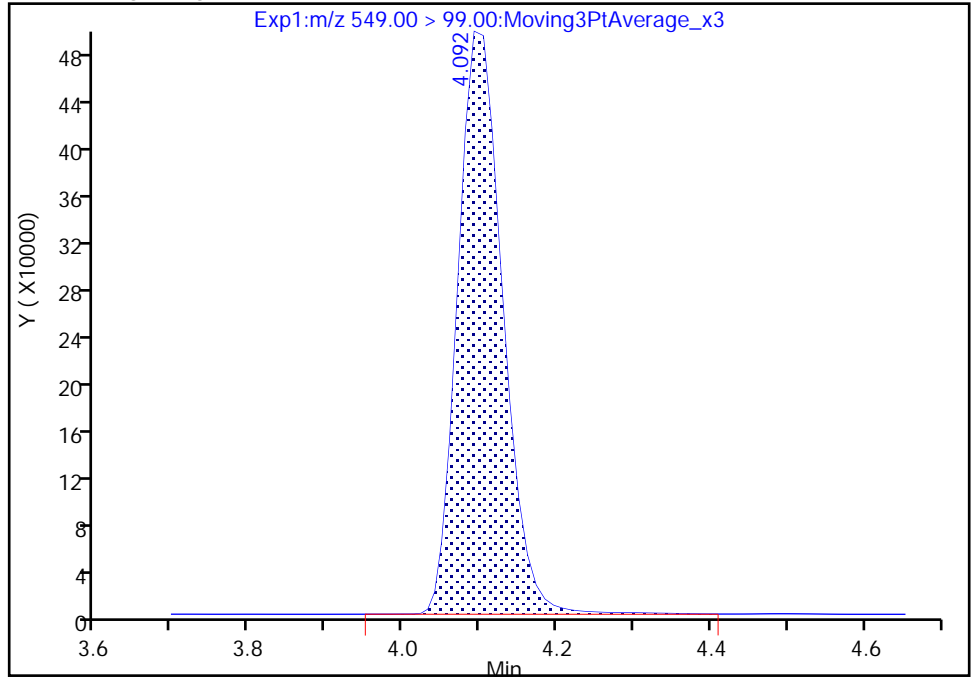
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 2

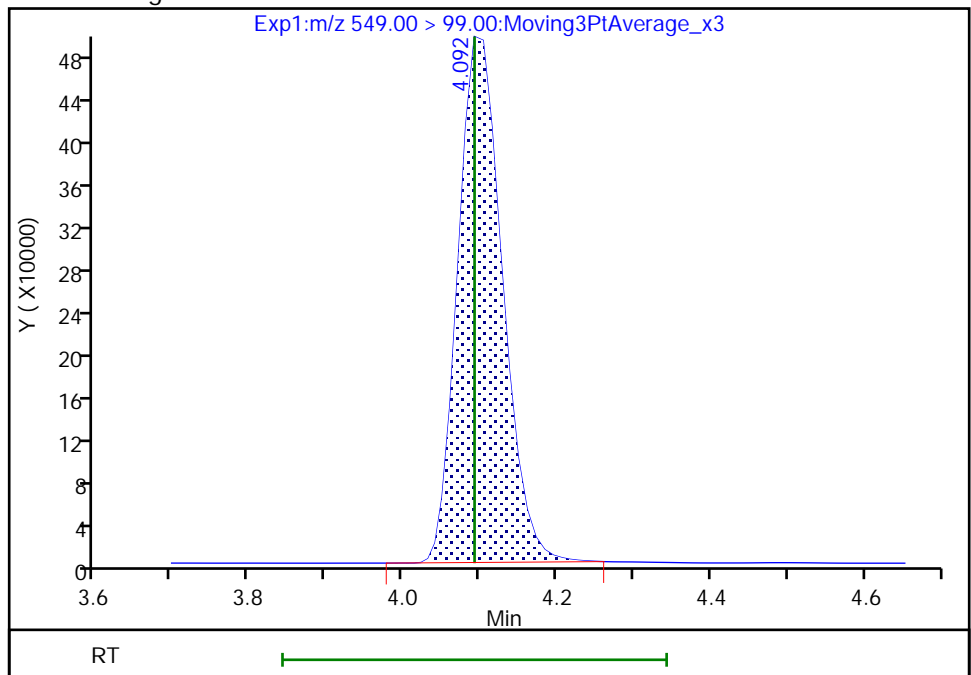
RT: 4.09
Area: 2027098
Amount: 9.271245
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 2007966
Amount: 9.156200
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:10:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

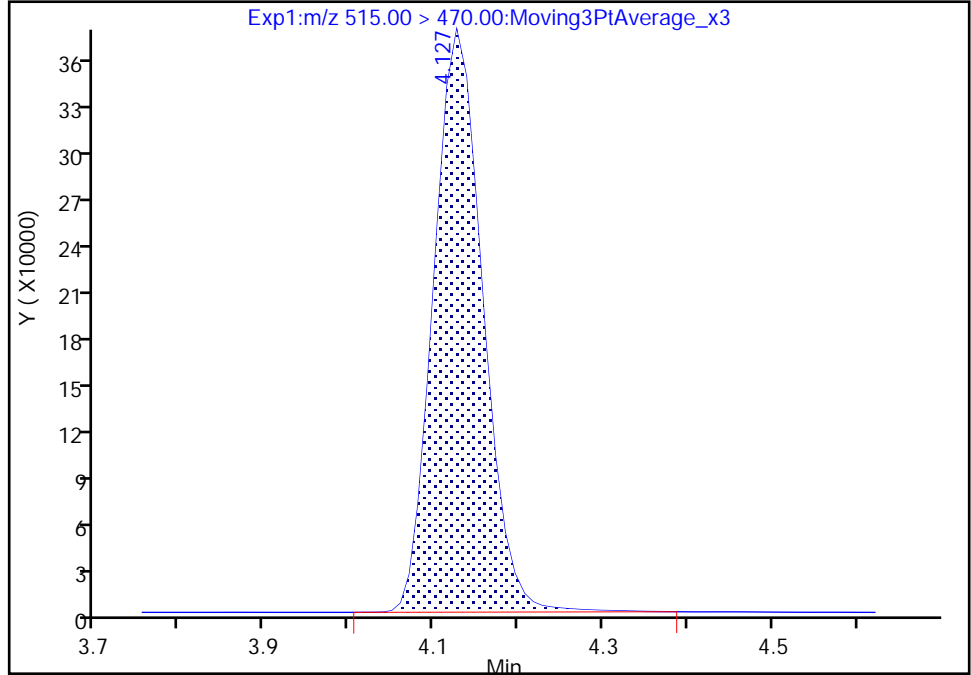
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 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 23 13C2 PFDA, CAS: STL00996
Signal: 1

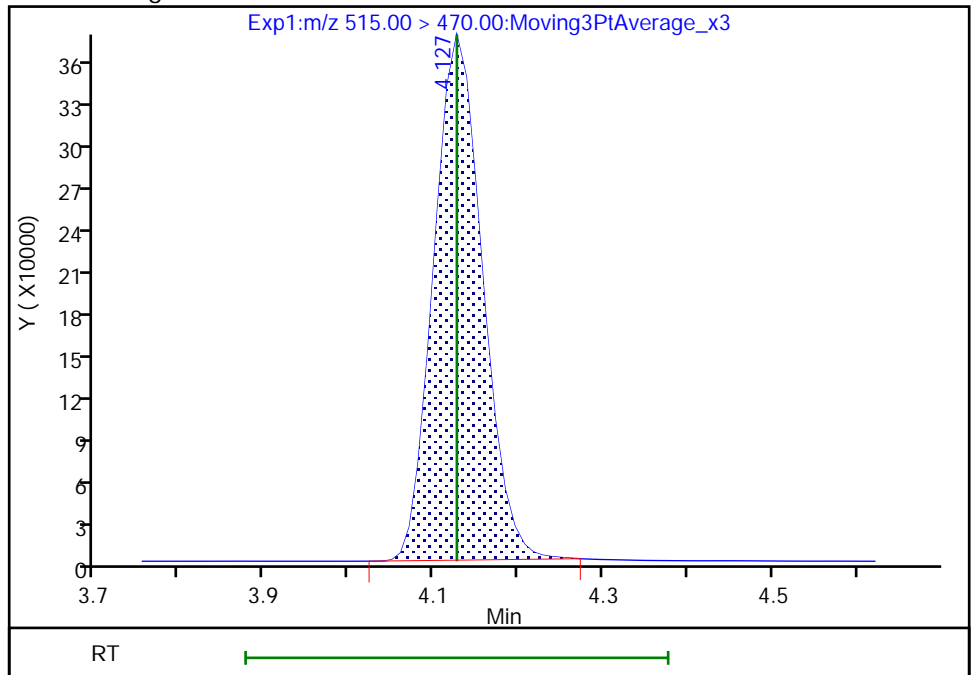
RT: 4.13
Area: 1494393
Amount: 1.268365
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 1479189
Amount: 1.257624
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:11:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

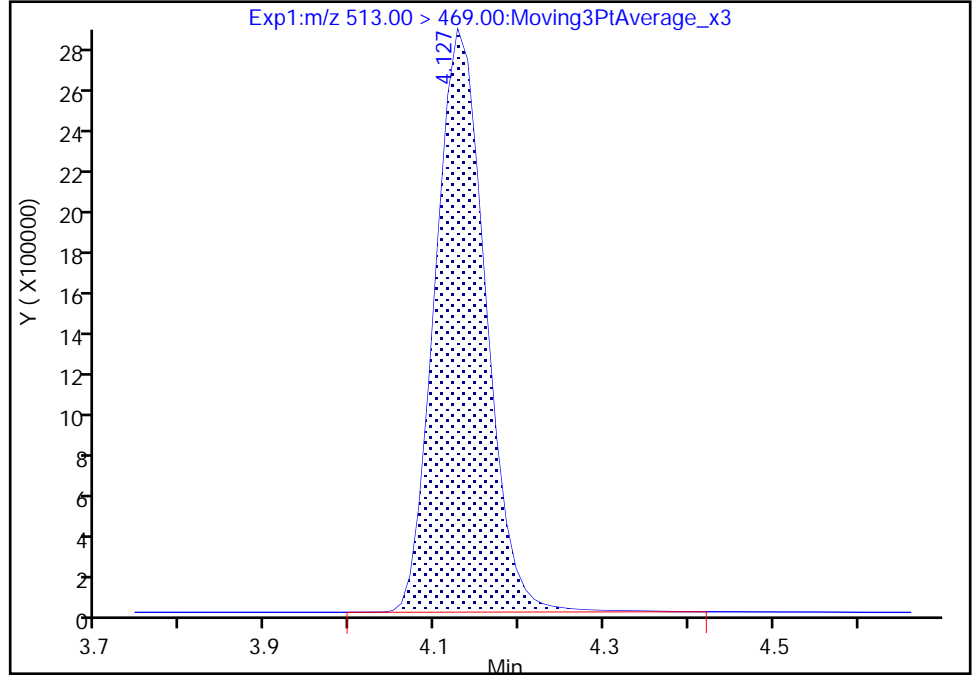
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

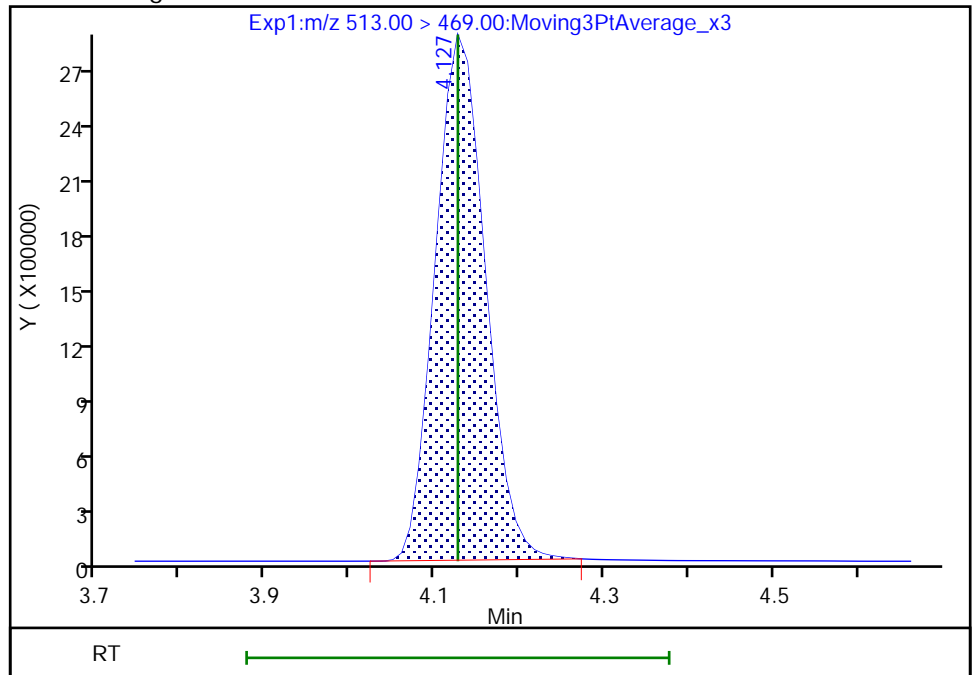
RT: 4.13
Area: 11622772
Amount: 9.244954
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 11511562
Amount: 9.249739
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:10:21
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

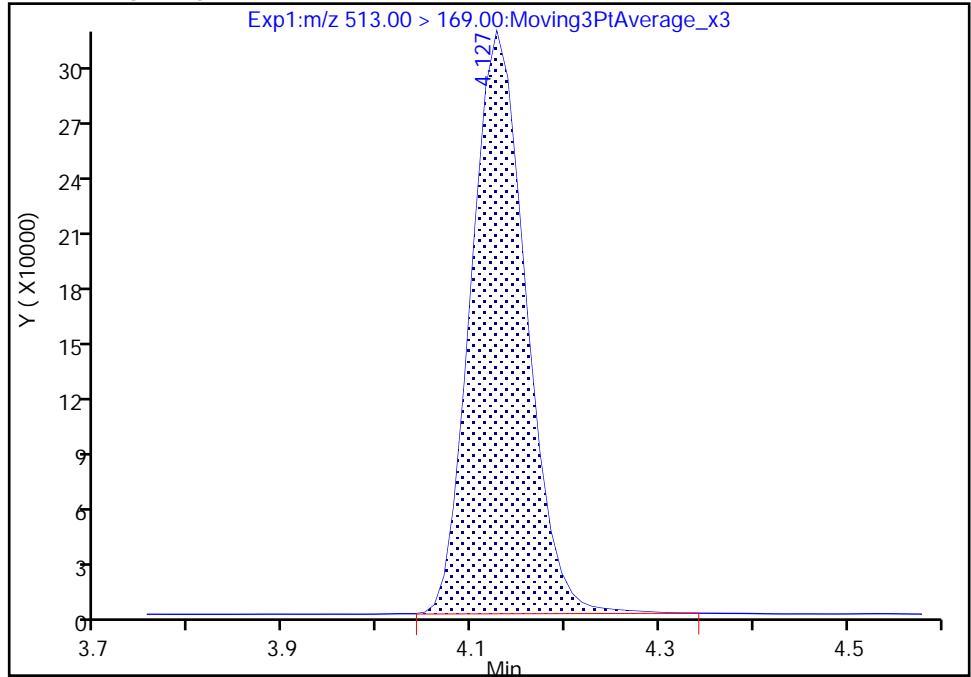
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

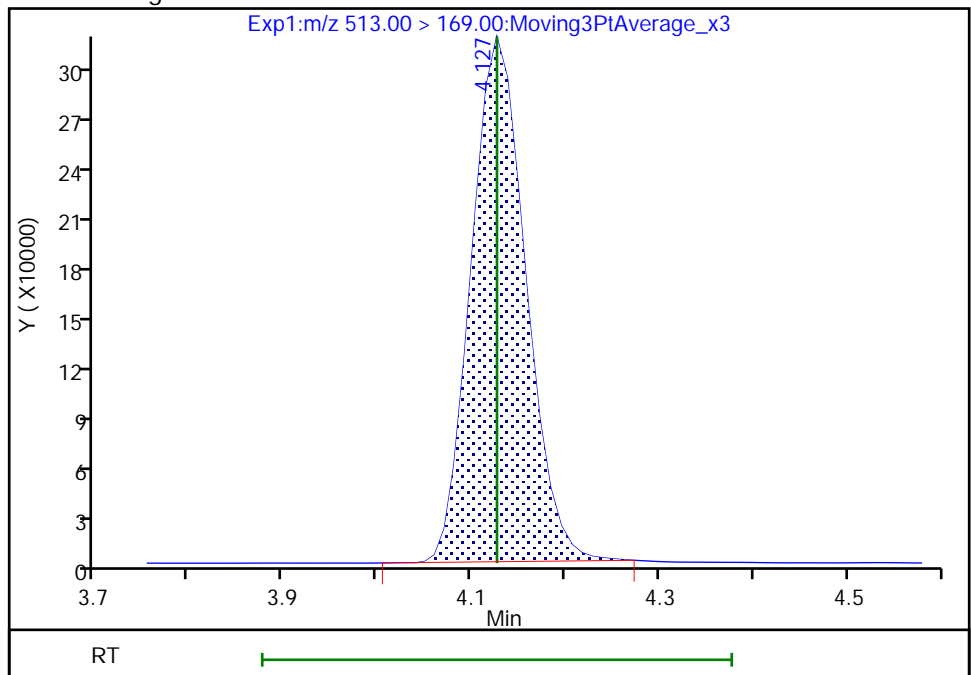
RT: 4.13
Area: 1264074
Amount: 9.244954
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 1252336
Amount: 9.249739
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:10:24

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

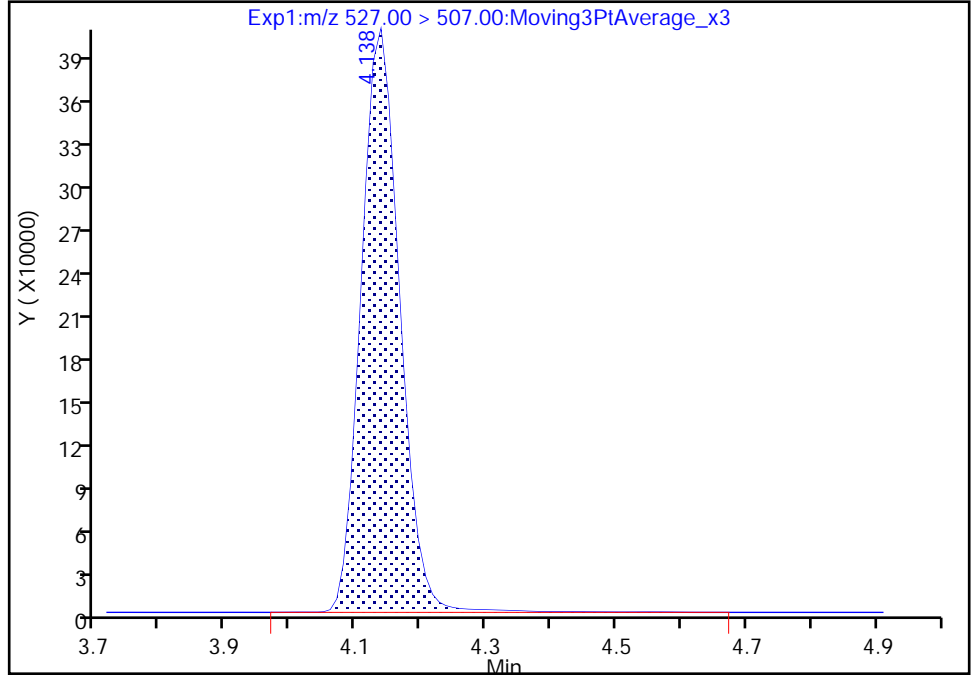
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

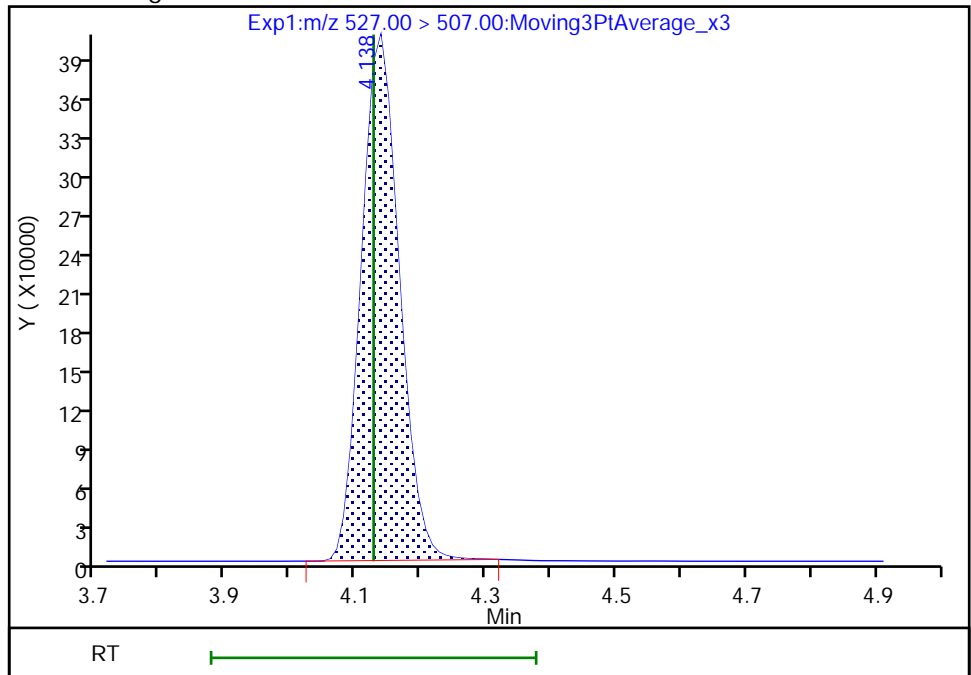
RT: 4.14
Area: 1644937
Amount: 9.183081
Amount Units: ng/ml

Processing Integration Results



RT: 4.14
Area: 1625337
Amount: 9.090967
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

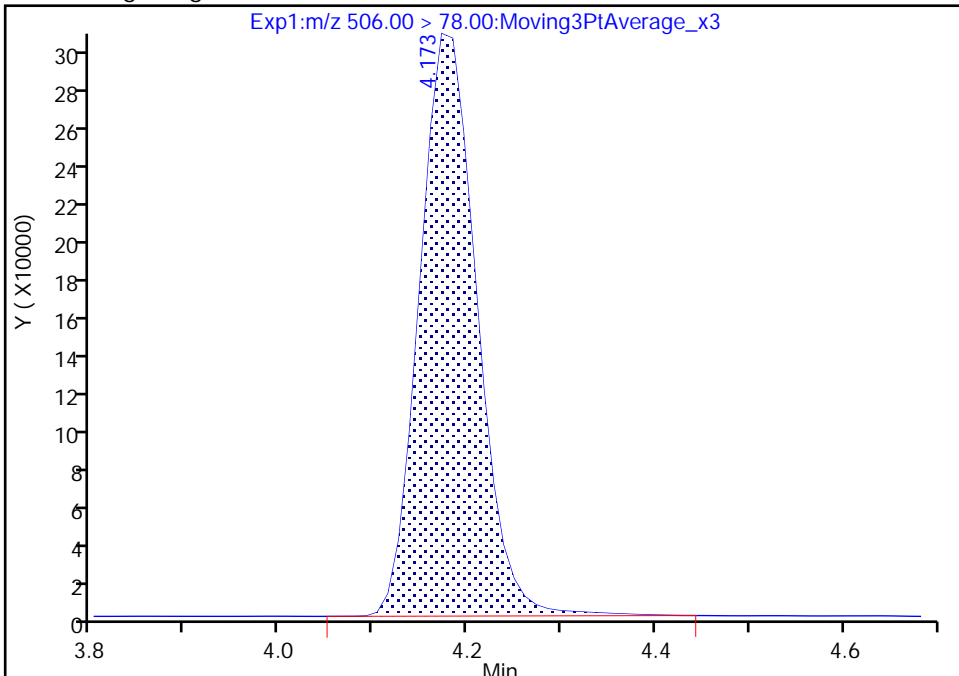
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

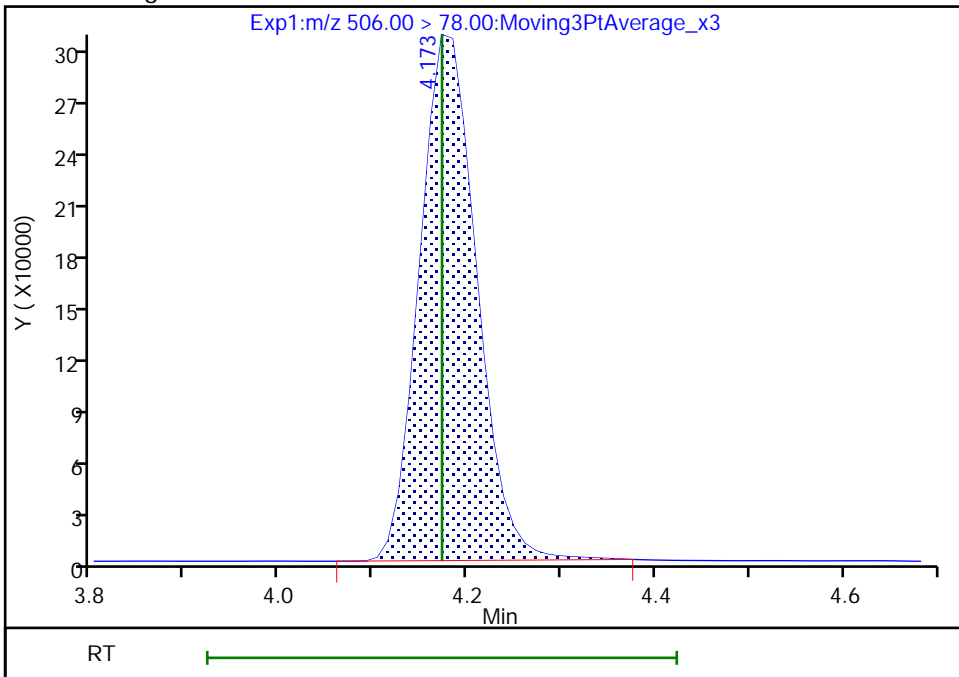
RT: 4.17
Area: 1297764
Amount: 1.259461
Amount Units: ng/ml

Processing Integration Results



RT: 4.17
Area: 1290314
Amount: 1.253439
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:12:20
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

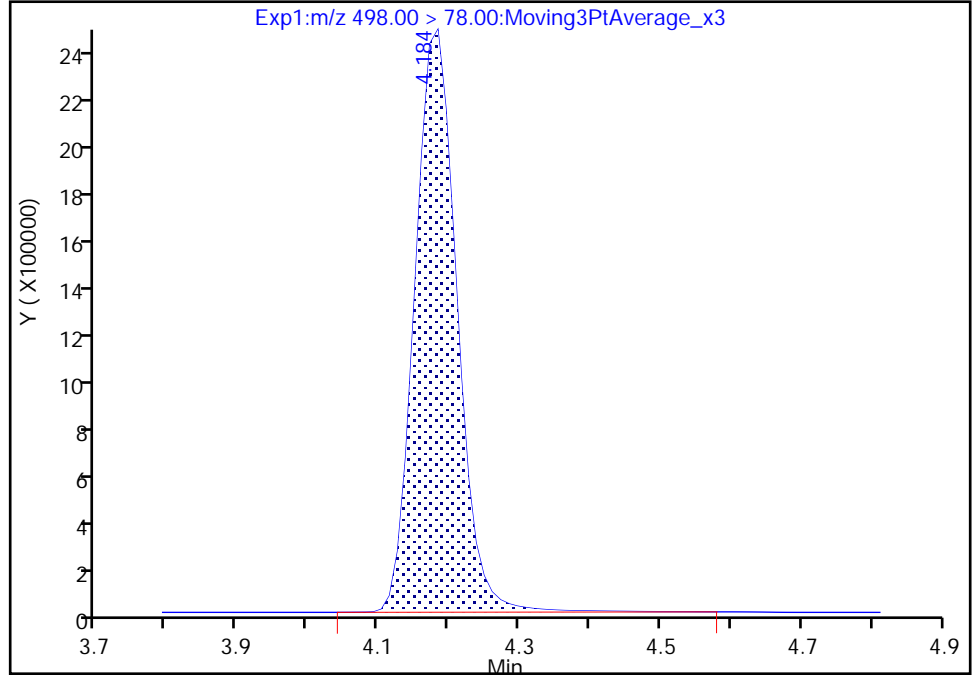
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

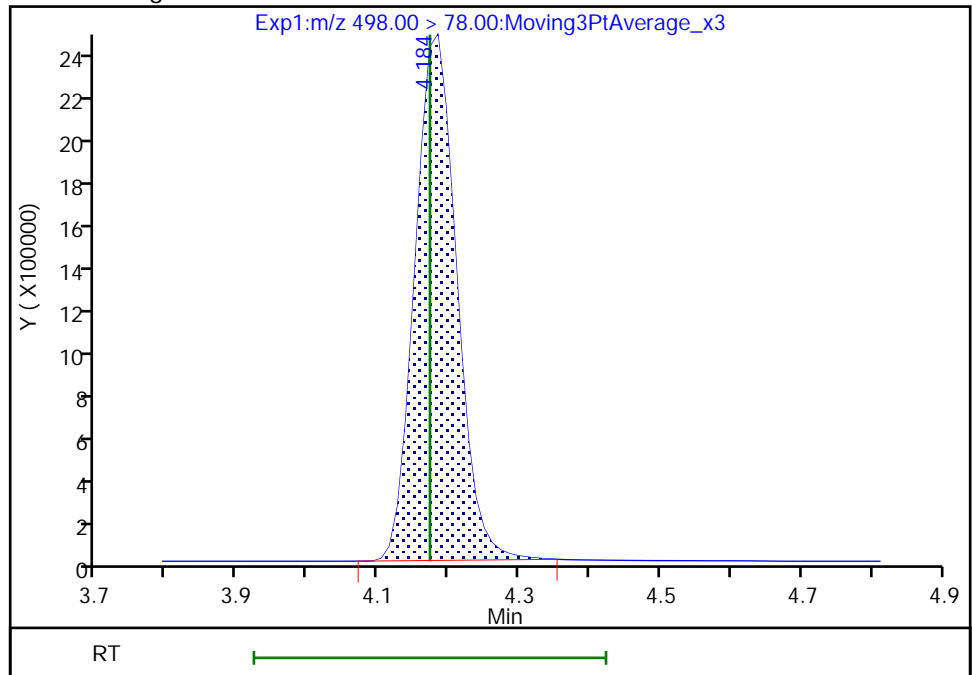
RT: 4.18
Area: 10281607
Amount: 9.758580
Amount Units: ng/ml

Processing Integration Results



RT: 4.18
Area: 10178171
Amount: 9.676238
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:12:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

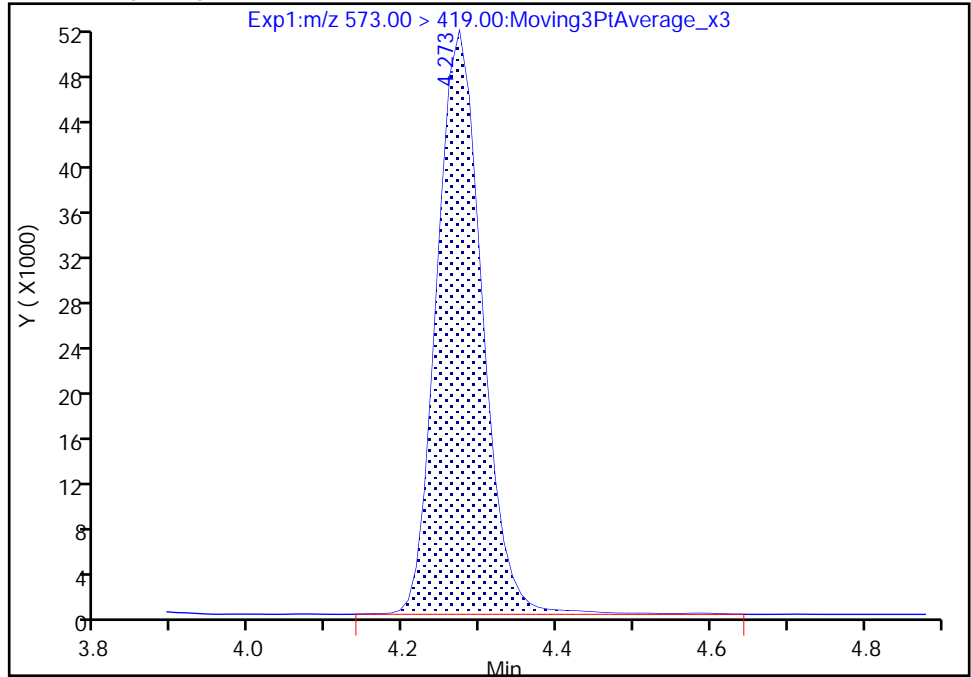
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 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

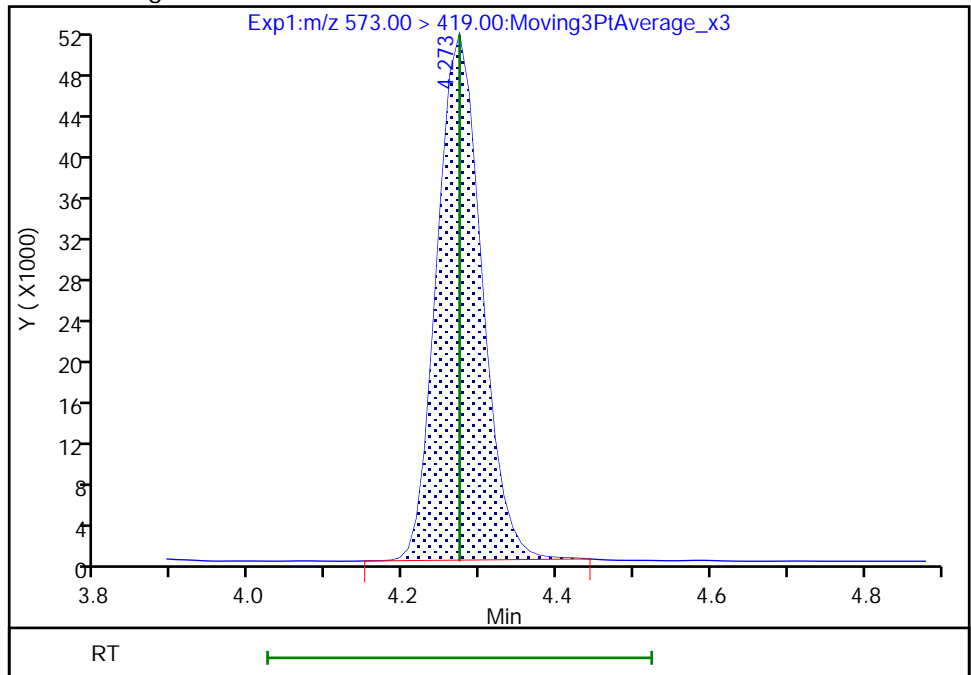
RT: 4.27
Area: 211365
Amount: 1.337402
Amount Units: ng/ml

Processing Integration Results



RT: 4.27
Area: 208390
Amount: 1.321895
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:12:37
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

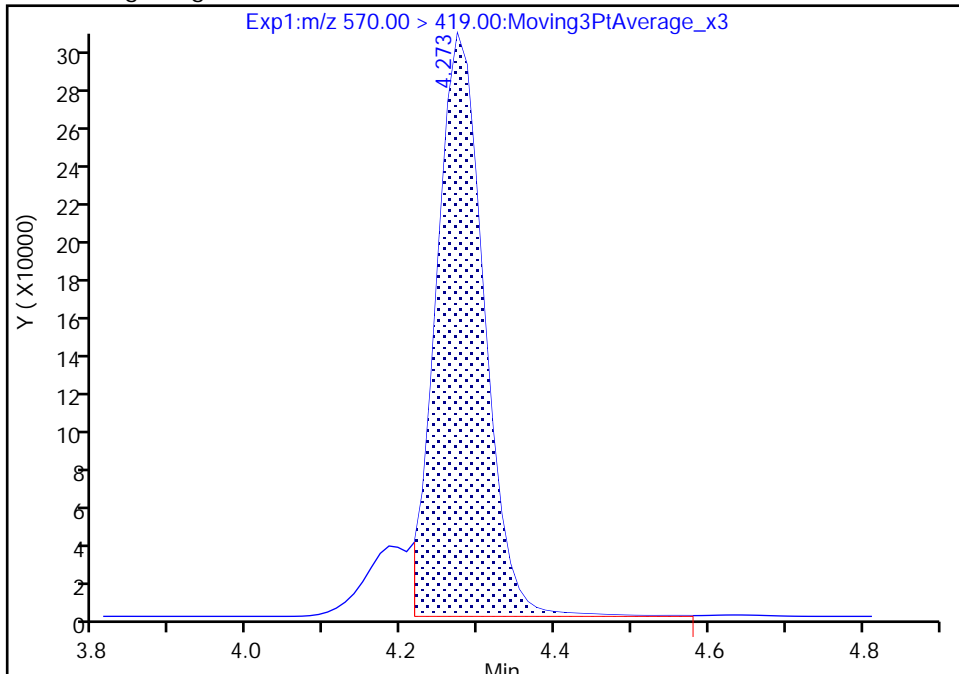
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

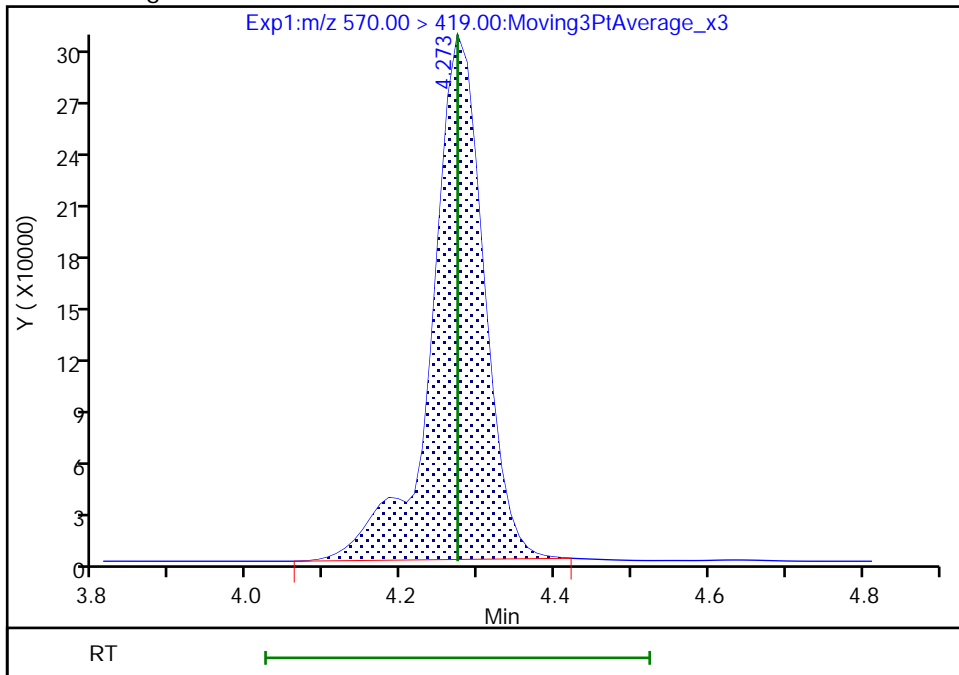
RT: 4.27
Area: 1329074
Amount: 9.003098
Amount Units: ng/ml

Processing Integration Results



RT: 4.27
Area: 1461120
Amount: 9.868512
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:12:30
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

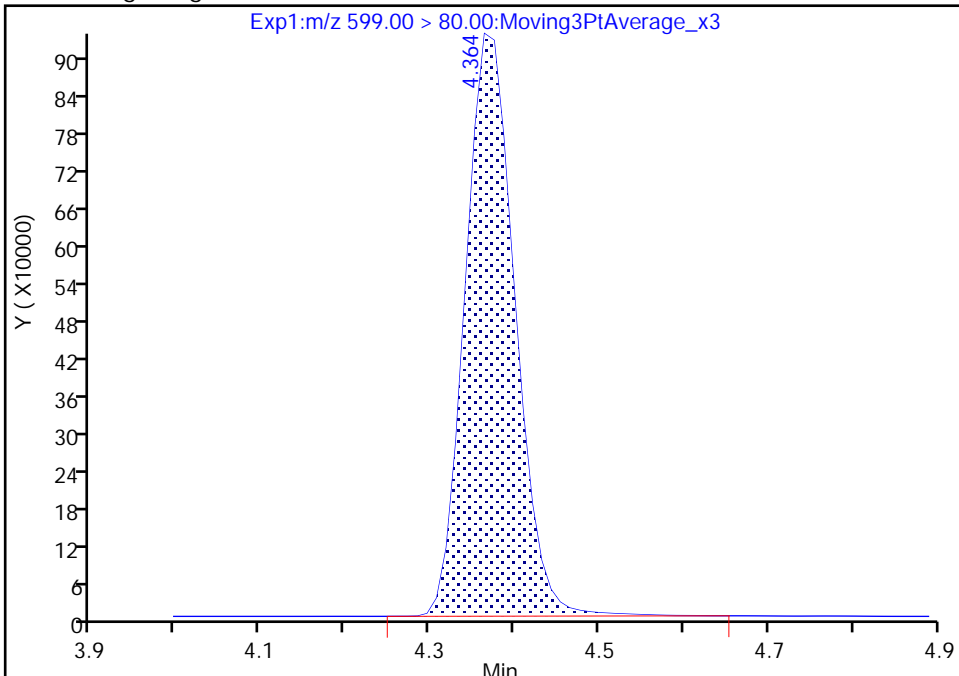
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

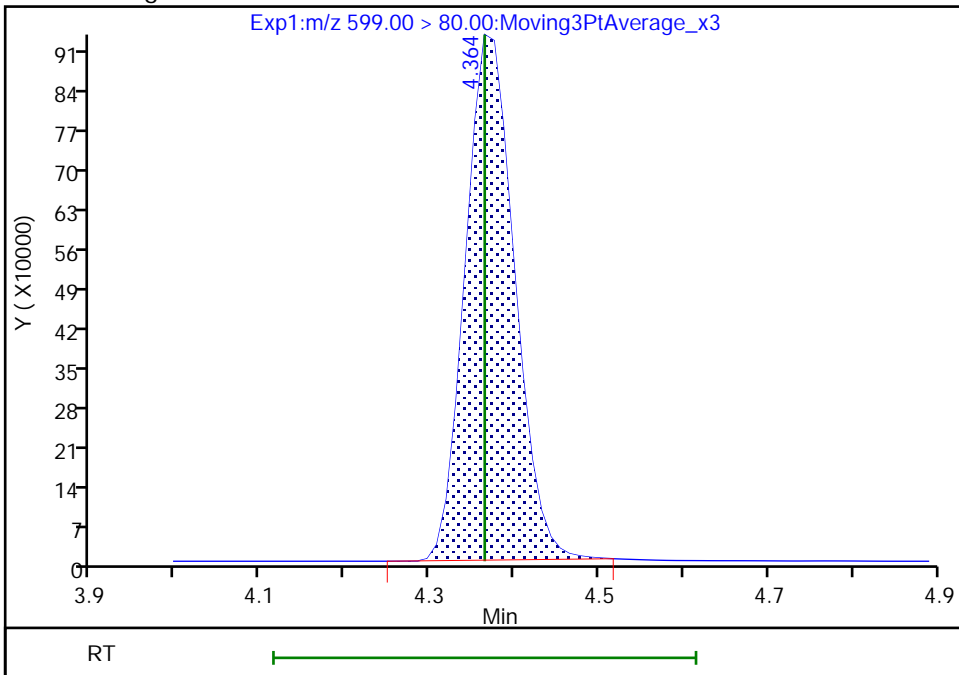
RT: 4.36
Area: 3793904
Amount: 9.460528
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 3753346
Amount: 9.375786
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

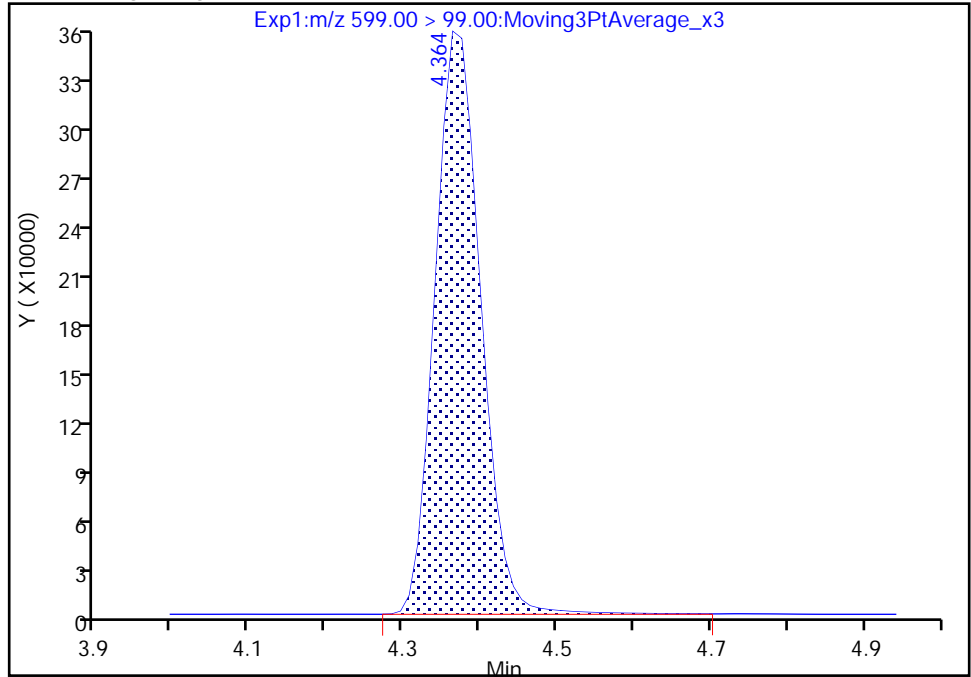
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

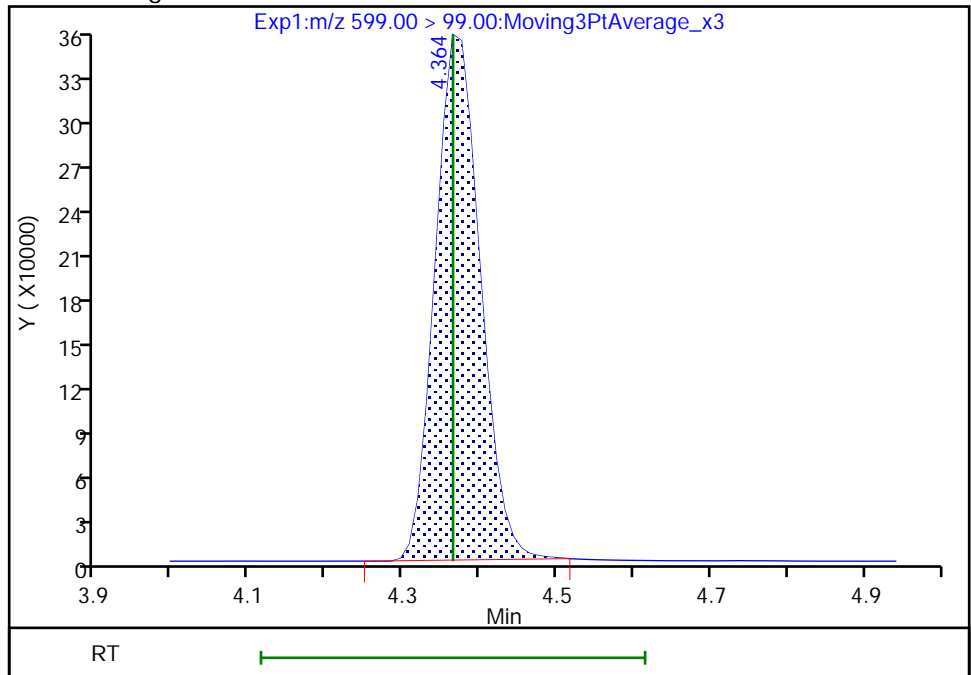
RT: 4.36
Area: 1460435
Amount: 9.460528
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 1439627
Amount: 9.375786
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:12:45

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

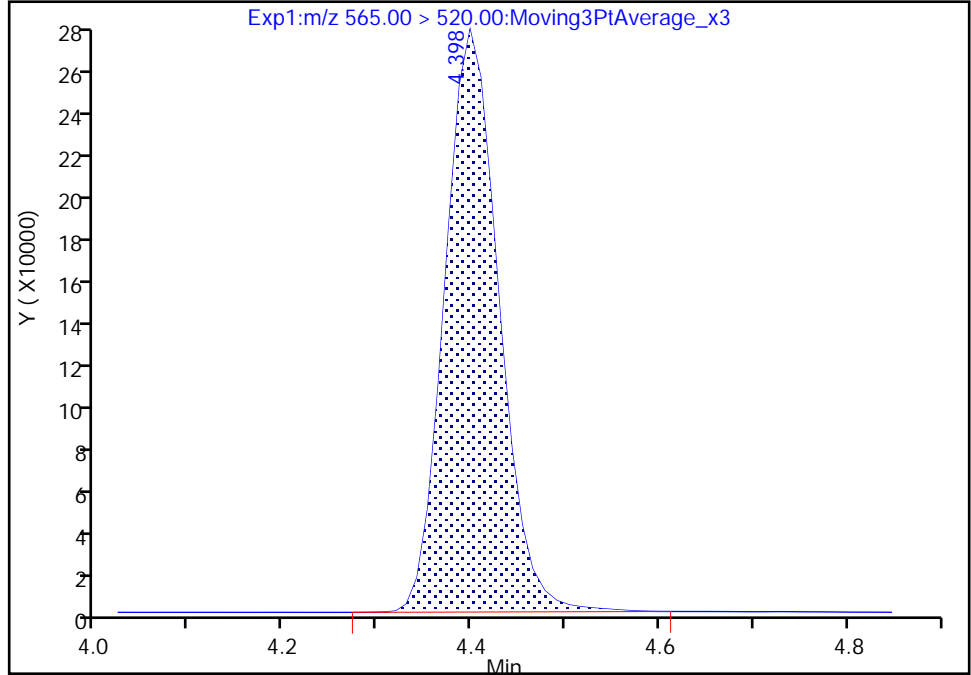
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 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

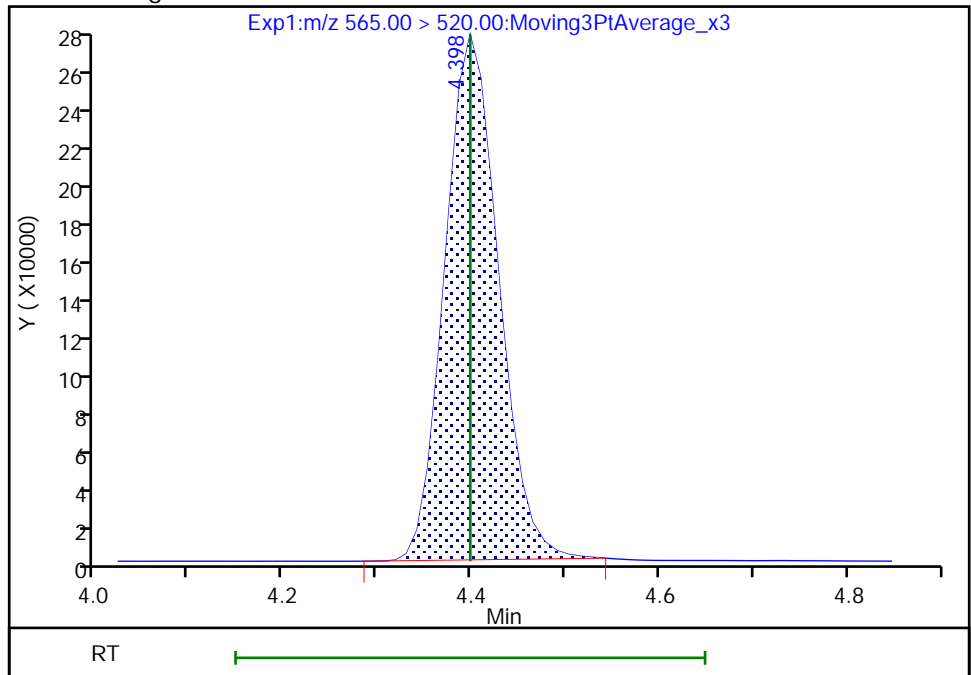
RT: 4.40
Area: 1109215
Amount: 1.242493
Amount Units: ng/ml

Processing Integration Results



RT: 4.40
Area: 1097436
Amount: 1.231466
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:12:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

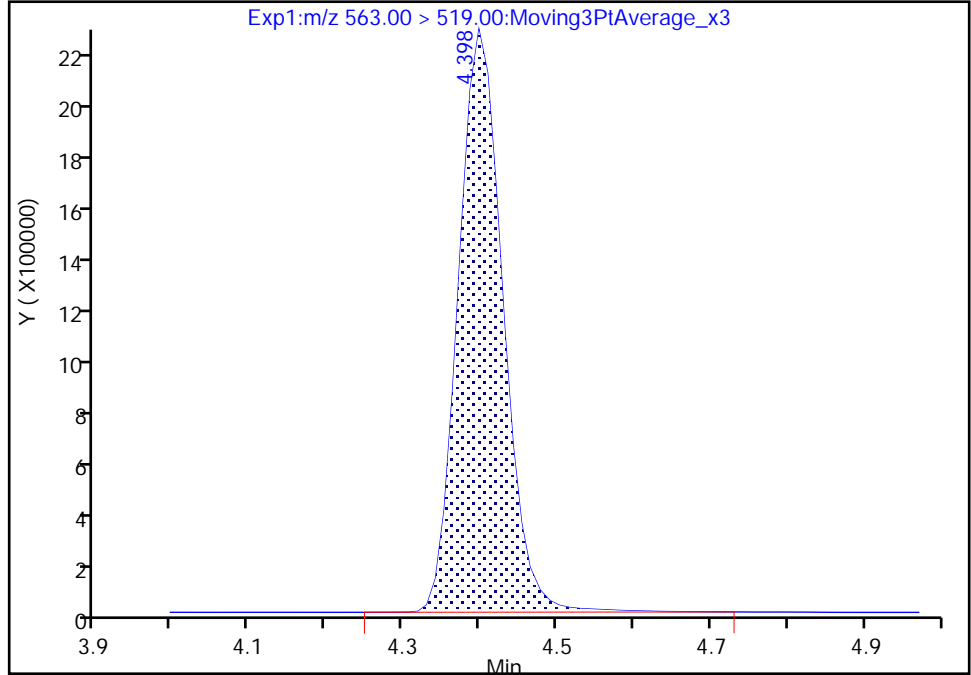
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

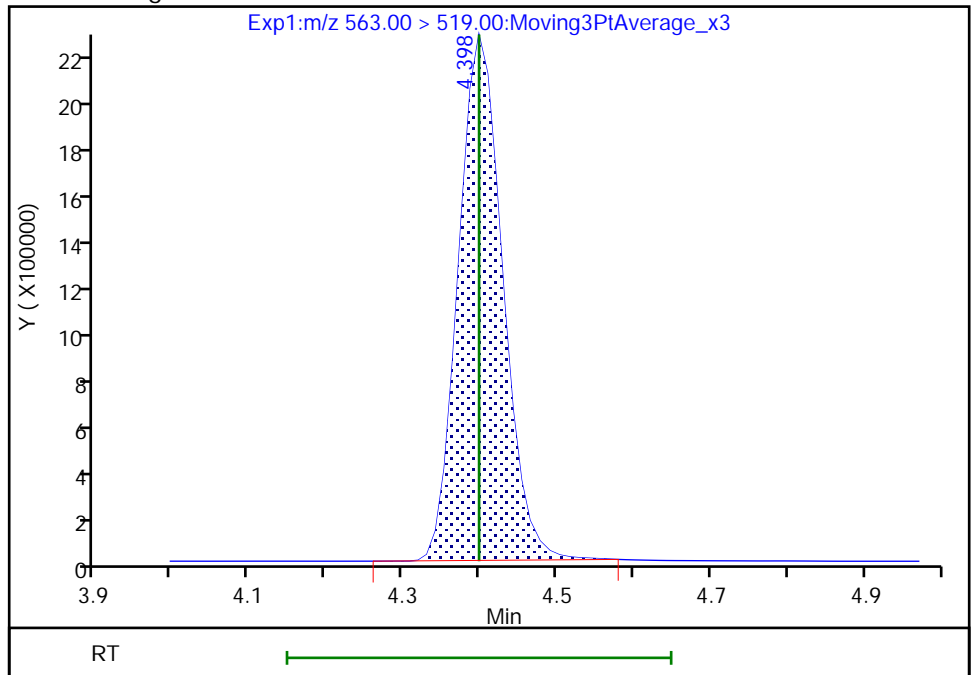
RT: 4.40
Area: 8923143
Amount: 9.579770
Amount Units: ng/ml

Processing Integration Results



RT: 4.40
Area: 8843669
Amount: 9.507968
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:12:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

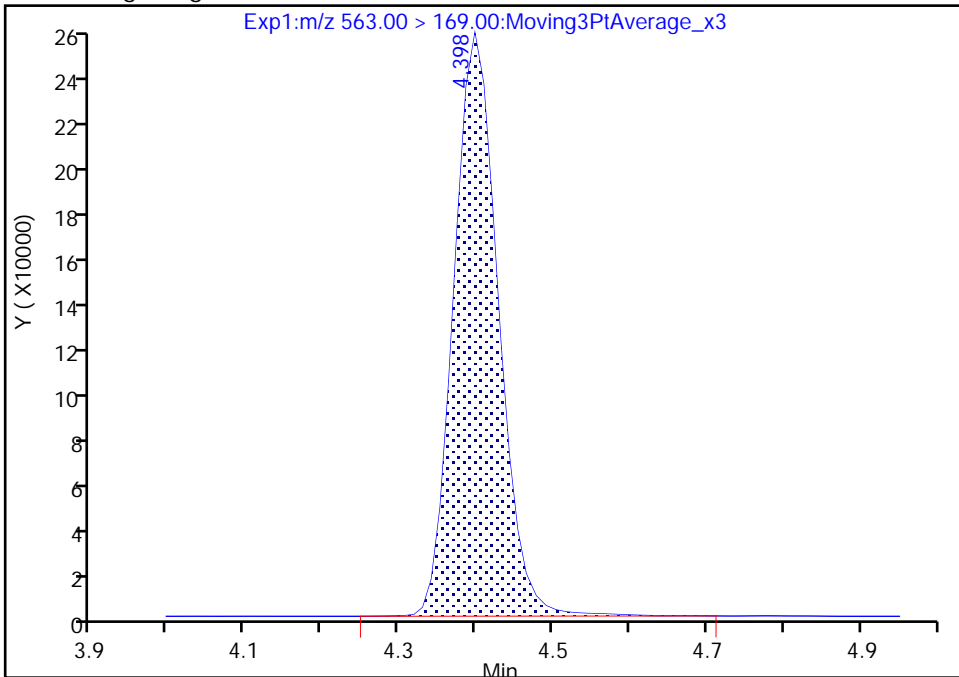
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

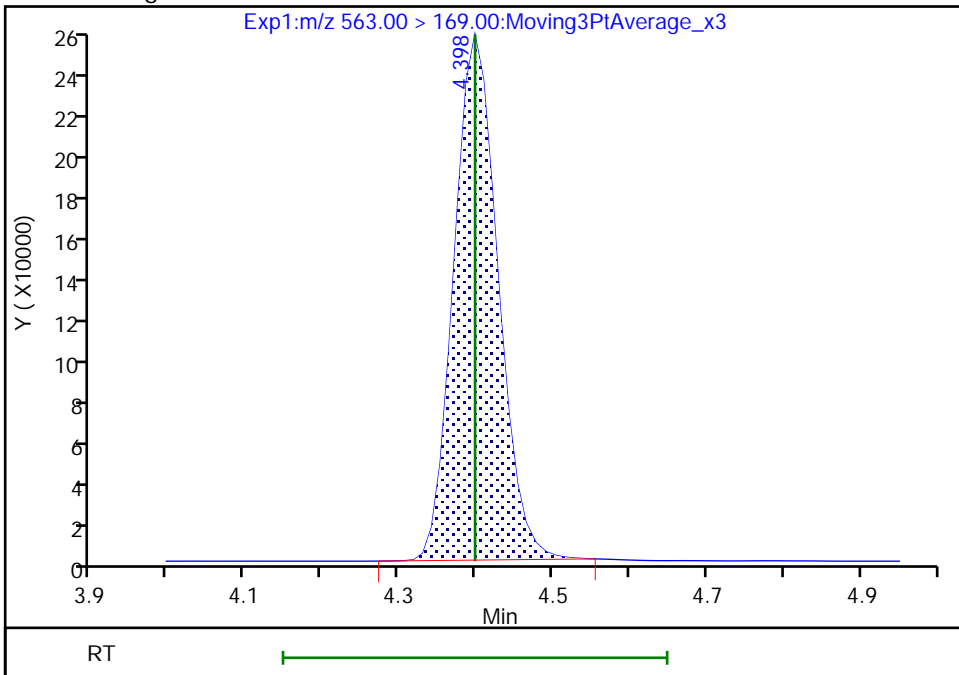
RT: 4.40
Area: 1041836
Amount: 9.579770
Amount Units: ng/ml

Processing Integration Results



RT: 4.40
Area: 1029859
Amount: 9.507968
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:12:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

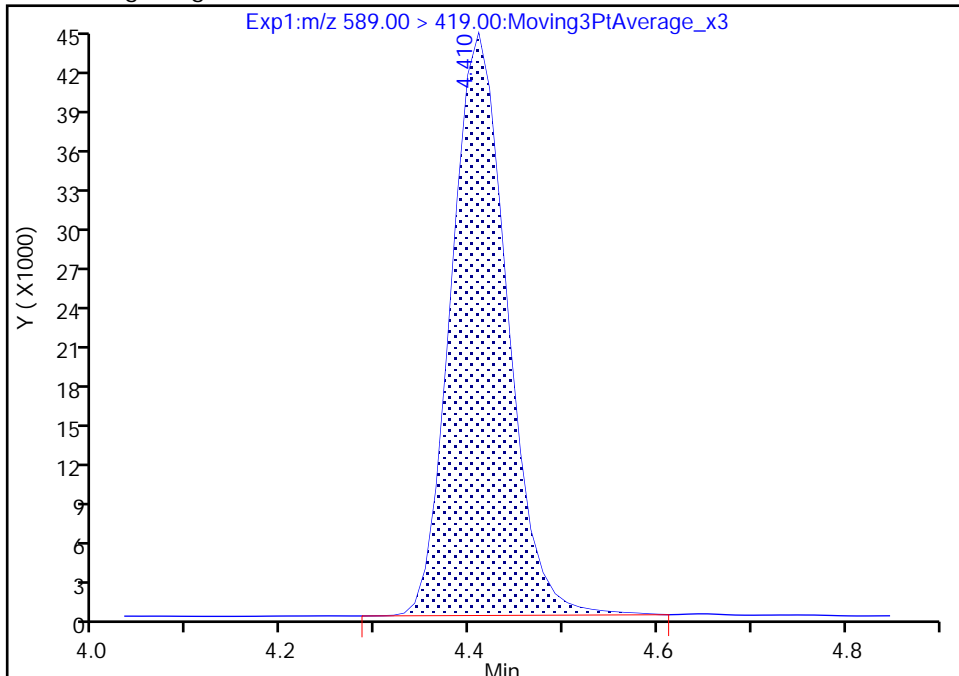
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 32 d5-NEtFOSAA, CAS: STL02117

Signal: 1

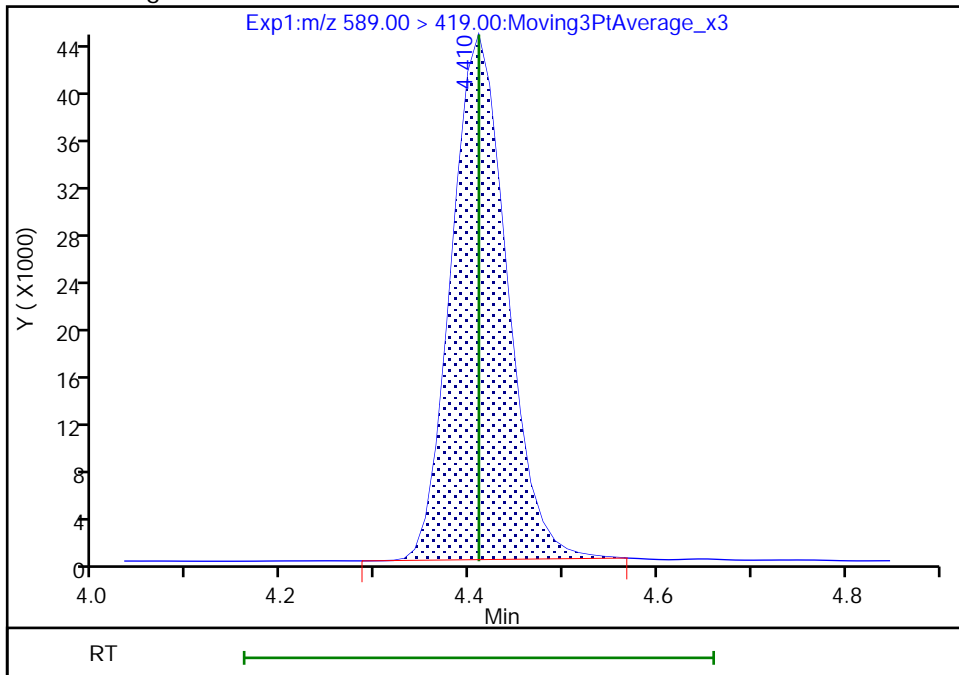
RT: 4.41
Area: 185089
Amount: 1.238722
Amount Units: ng/ml

Processing Integration Results



RT: 4.41
Area: 183559
Amount: 1.230162
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:13:07
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

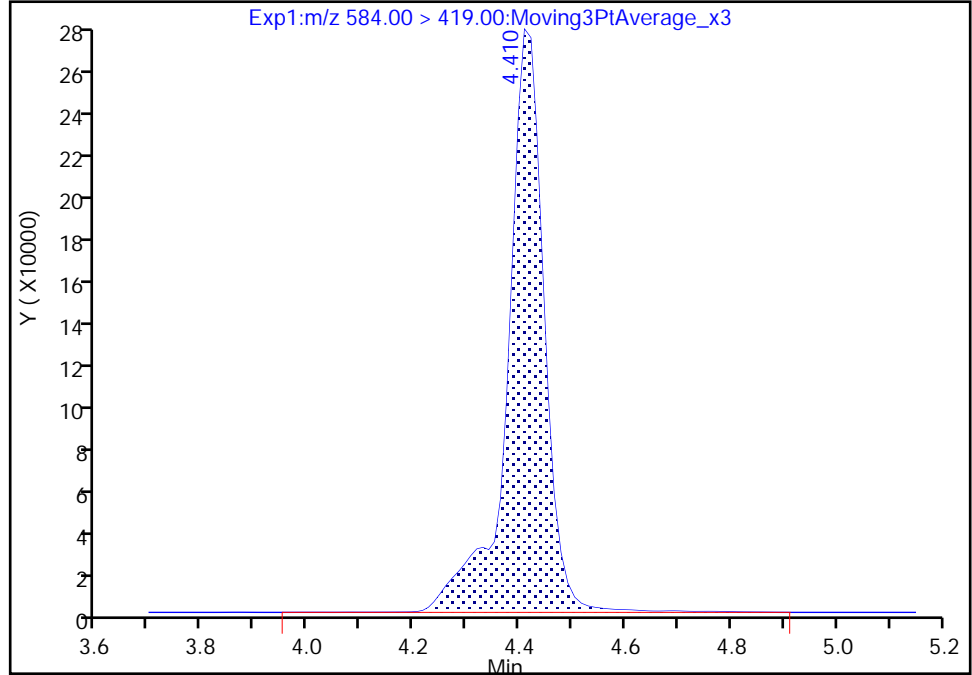
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

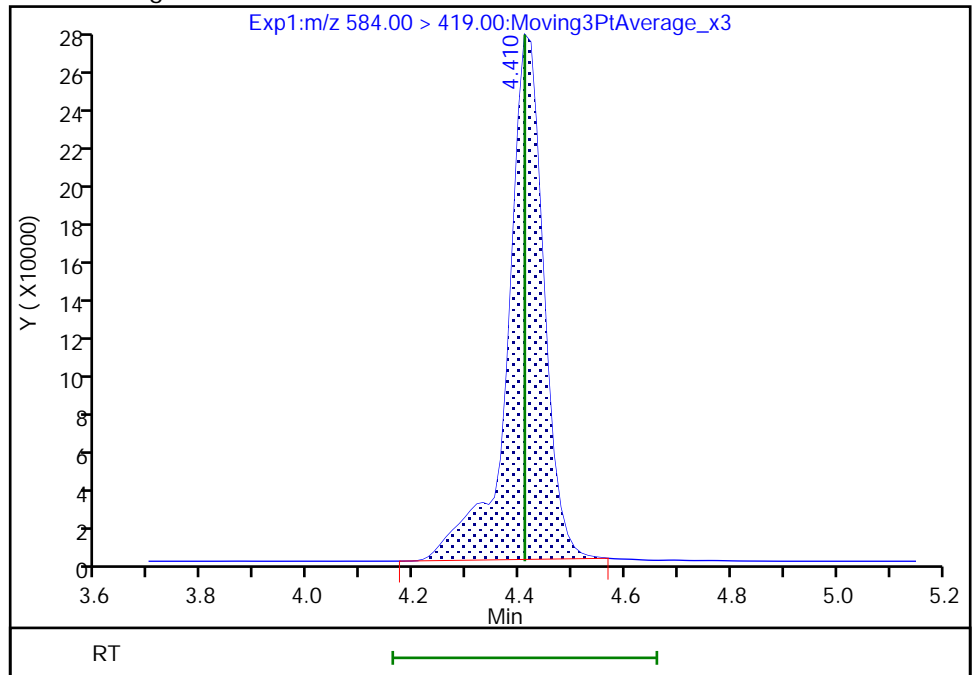
RT: 4.41
Area: 1344767
Amount: 9.980829
Amount Units: ng/ml

Processing Integration Results



RT: 4.41
Area: 1315871
Amount: 9.869656
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:13:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

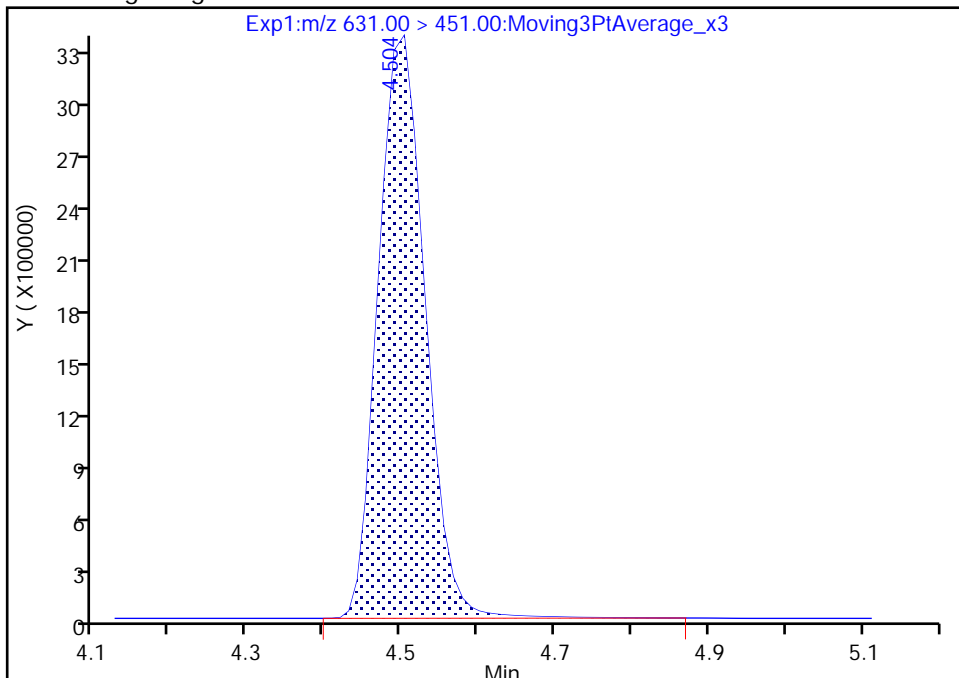
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

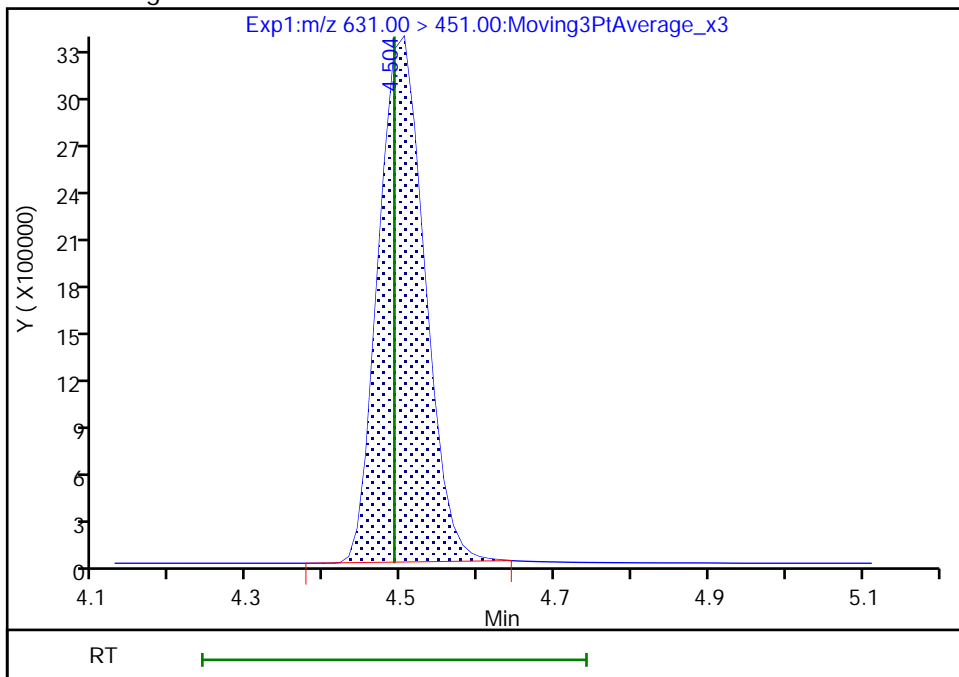
RT: 4.50
Area: 14136157
Amount: 8.930308
Amount Units: ng/ml

Processing Integration Results



RT: 4.50
Area: 13952793
Amount: 8.832573
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:13:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

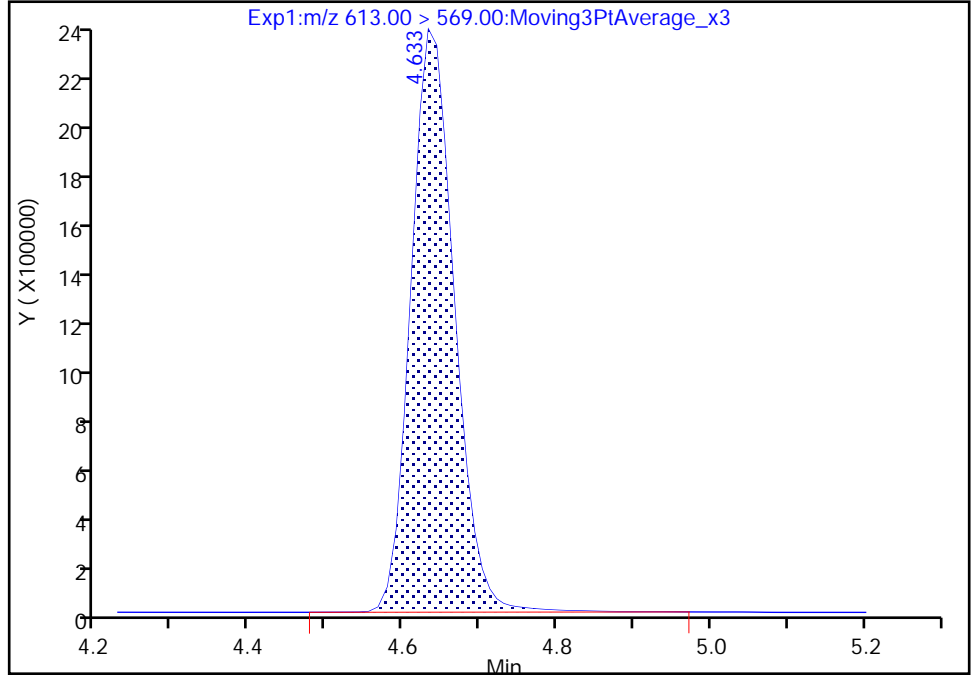
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

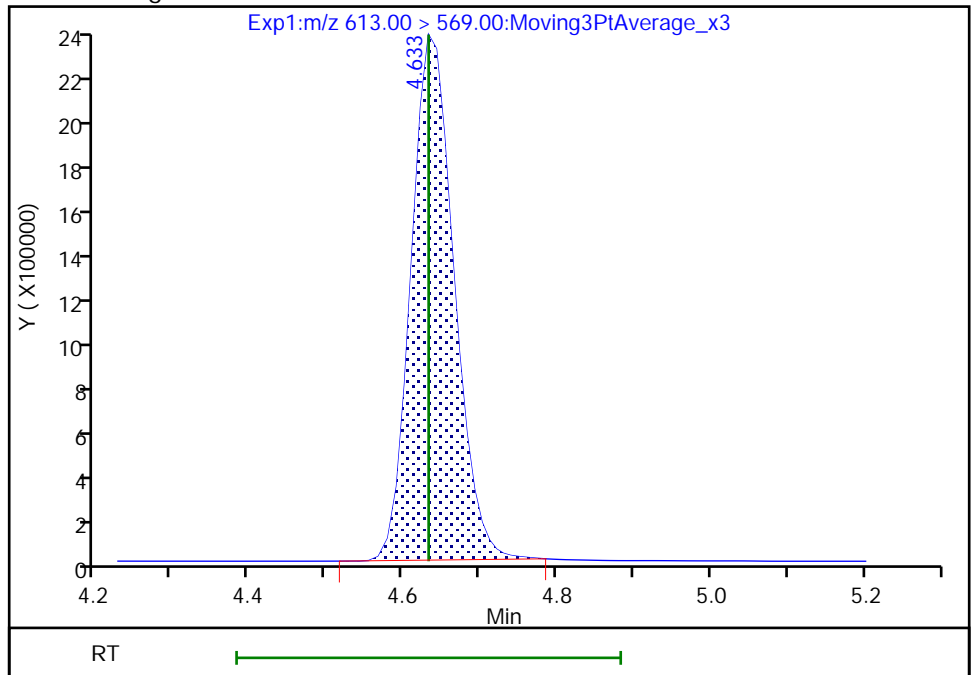
RT: 4.63
Area: 9347248
Amount: 9.510128
Amount Units: ng/ml

Processing Integration Results



RT: 4.63
Area: 9235605
Amount: 9.414362
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:13:17
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

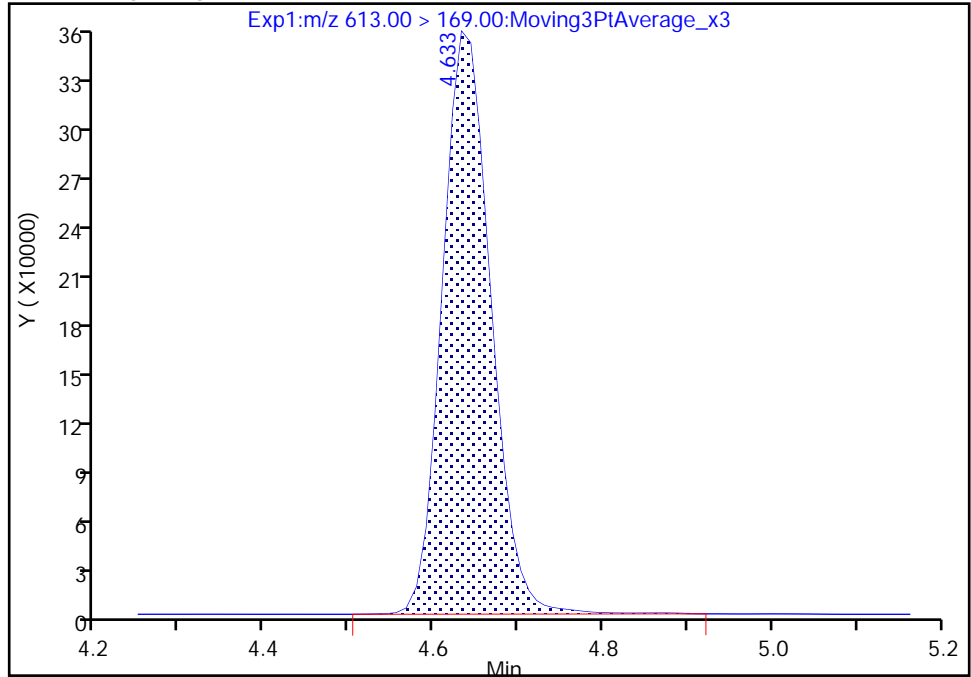
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

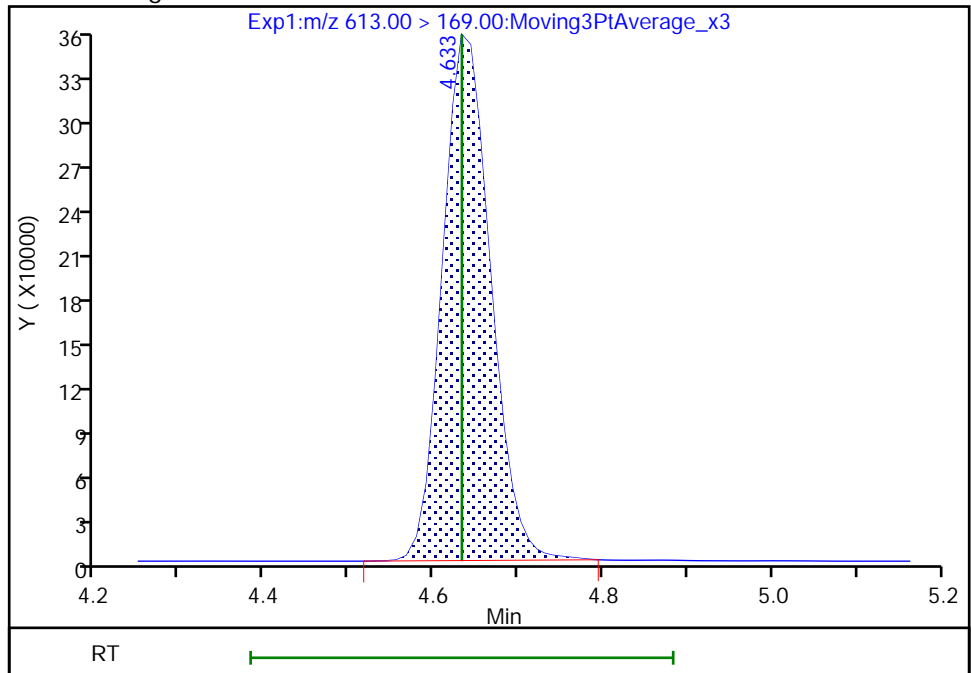
RT: 4.63
Area: 1418381
Amount: 9.510128
Amount Units: ng/ml

Processing Integration Results



RT: 4.63
Area: 1408846
Amount: 9.414362
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:13:23

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

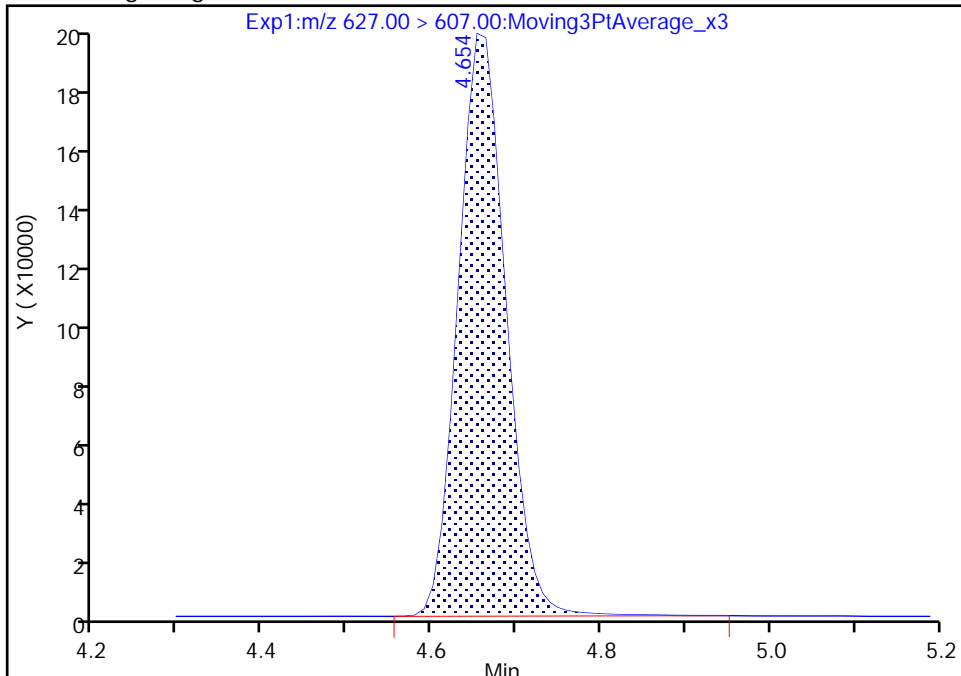
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

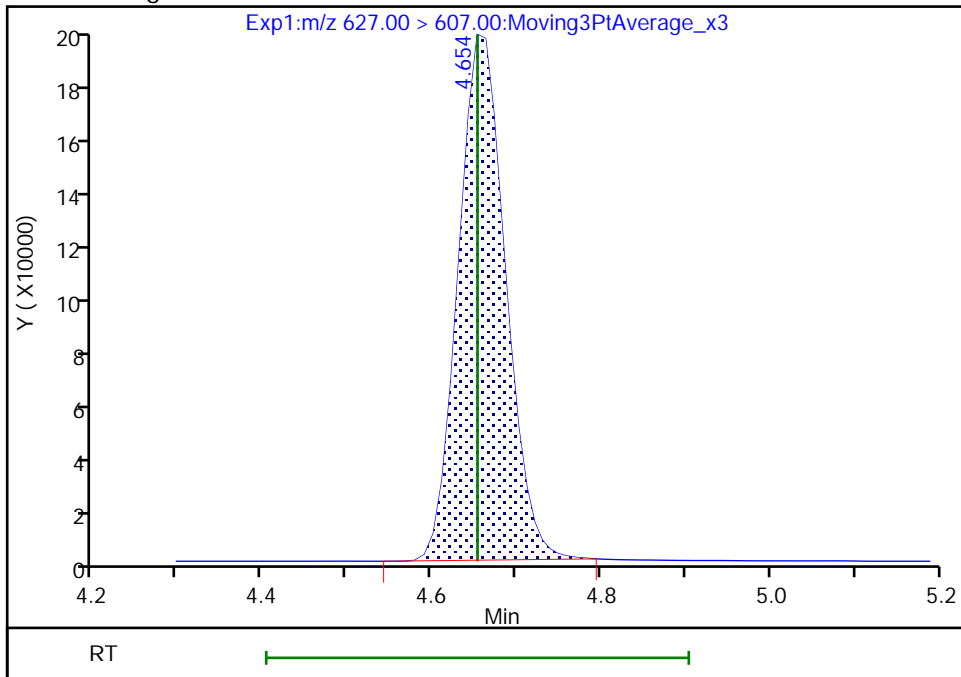
RT: 4.65
Area: 753335
Amount: 9.004924
Amount Units: ng/ml

Processing Integration Results



RT: 4.65
Area: 745570
Amount: 8.926431
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:13:27
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

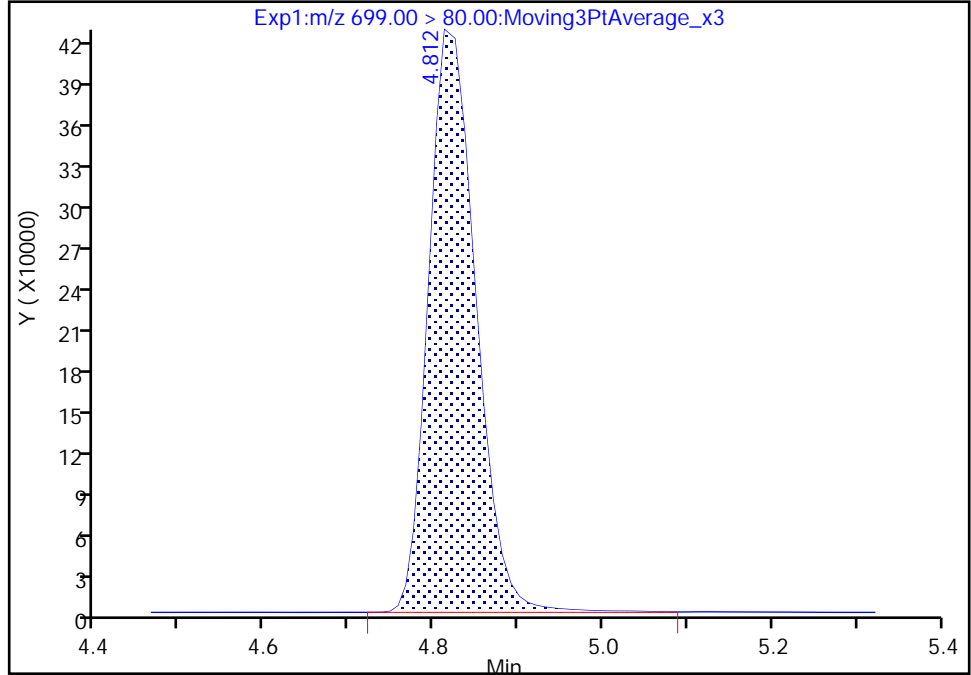
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

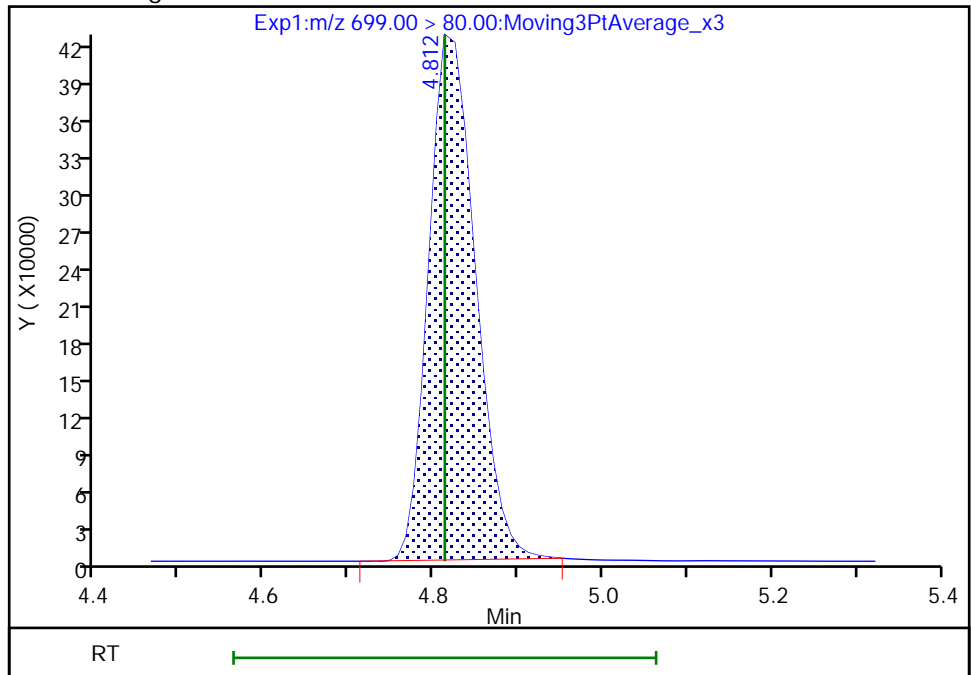
RT: 4.81
Area: 1655766
Amount: 9.292685
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 1630442
Amount: 9.173006
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:13:32
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

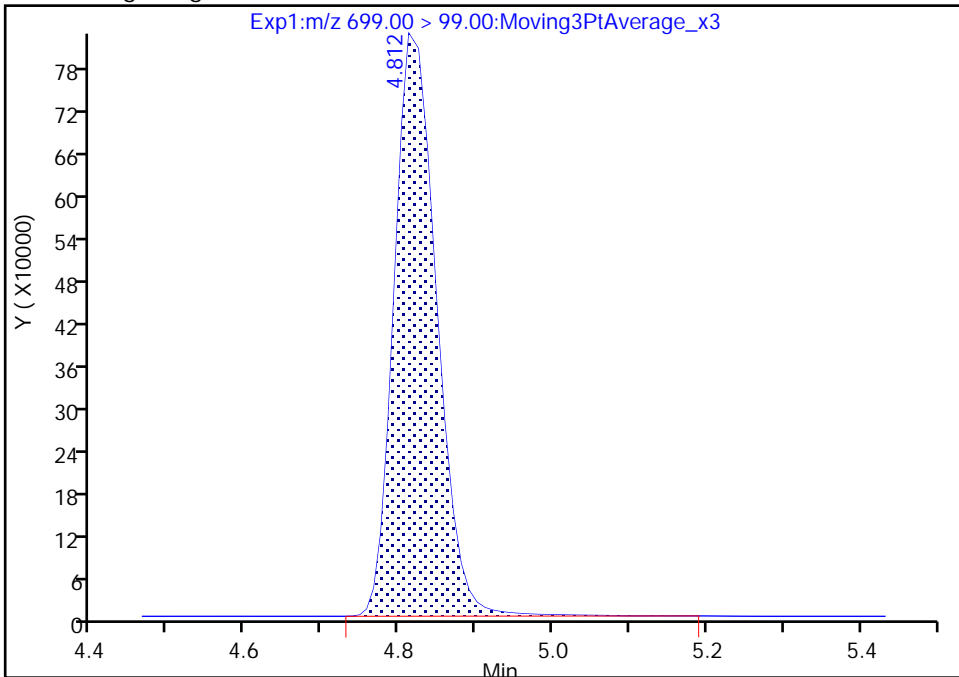
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 2

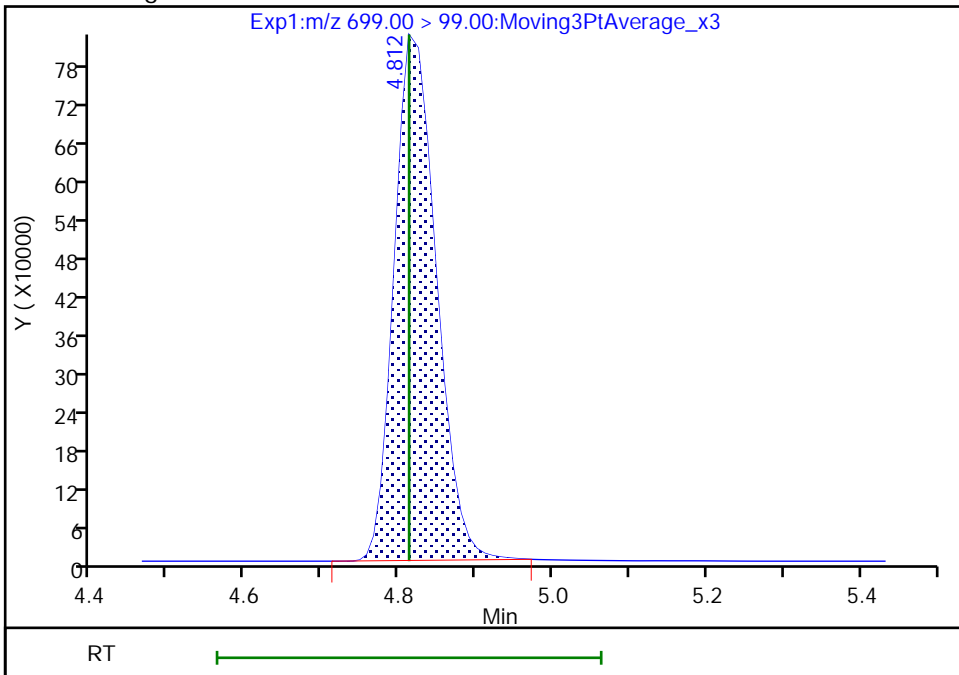
RT: 4.81
Area: 3159864
Amount: 9.292685
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 3129781
Amount: 9.173006
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

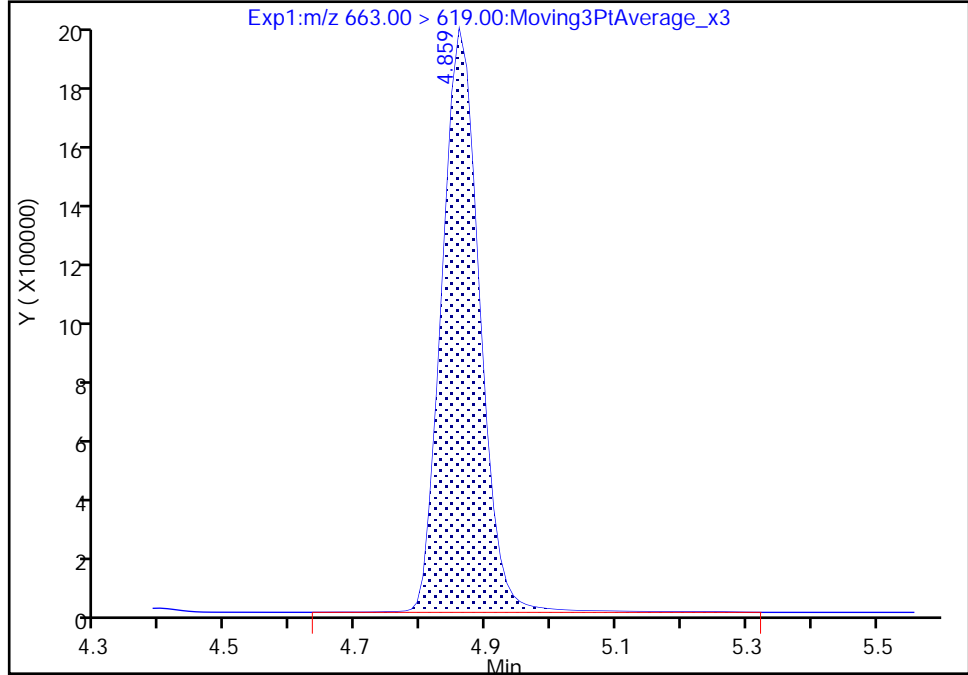
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

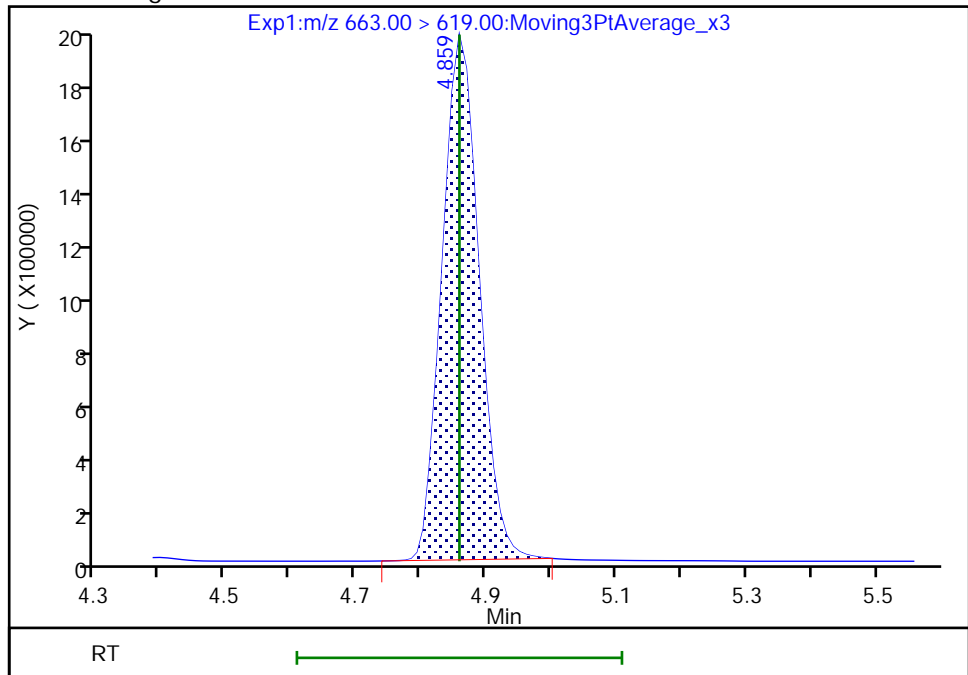
RT: 4.86
Area: 7731410
Amount: 9.065328
Amount Units: ng/ml

Processing Integration Results



RT: 4.86
Area: 7584486
Amount: 8.918662
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

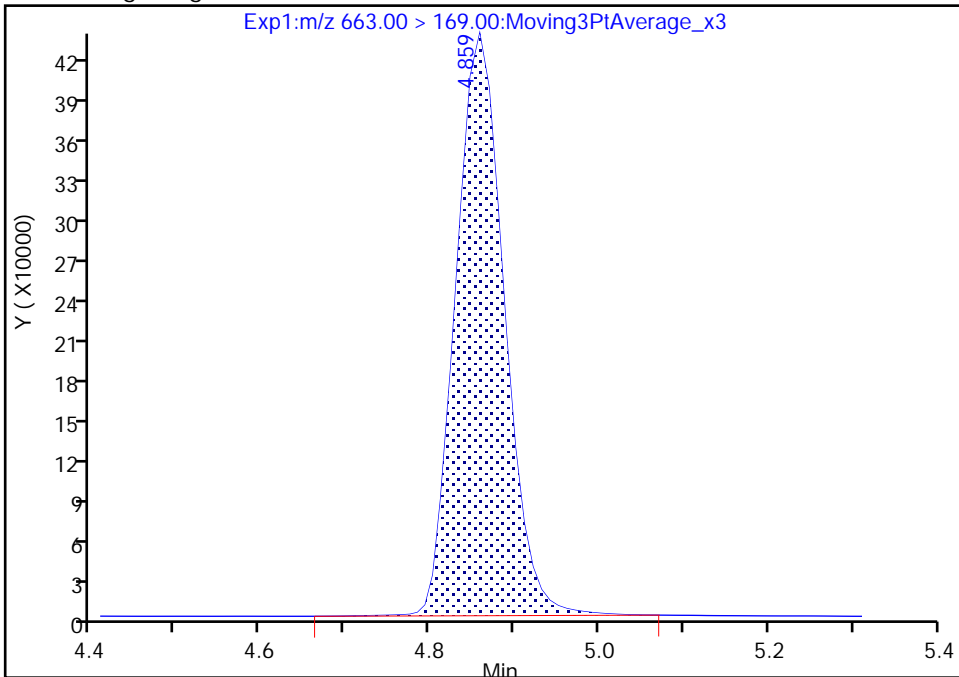
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

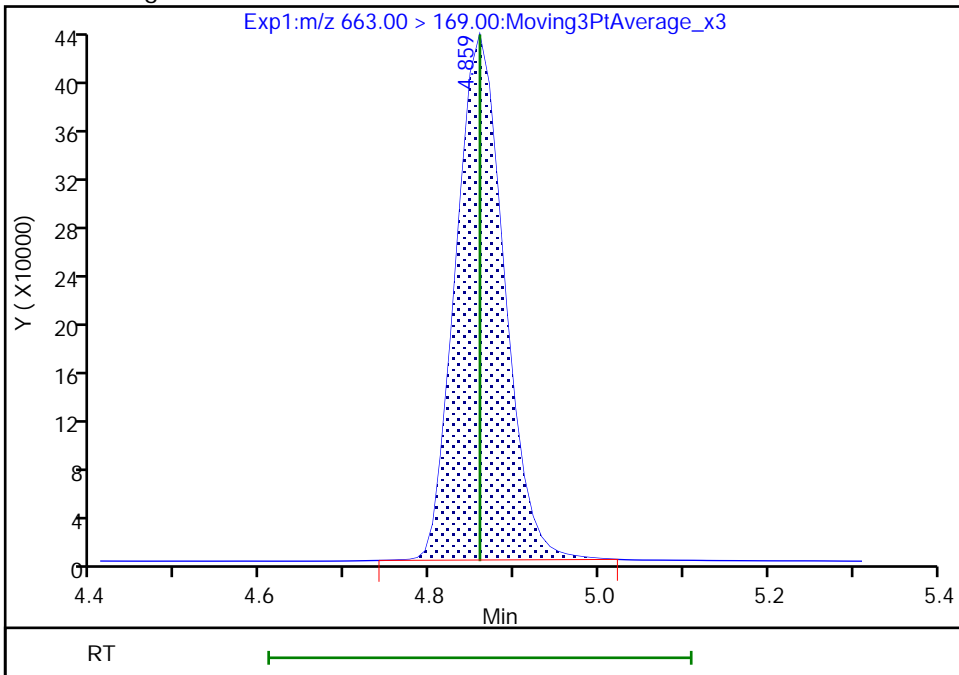
RT: 4.86
Area: 1733789
Amount: 9.065328
Amount Units: ng/ml

Processing Integration Results



RT: 4.86
Area: 1722893
Amount: 8.918662
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:13:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

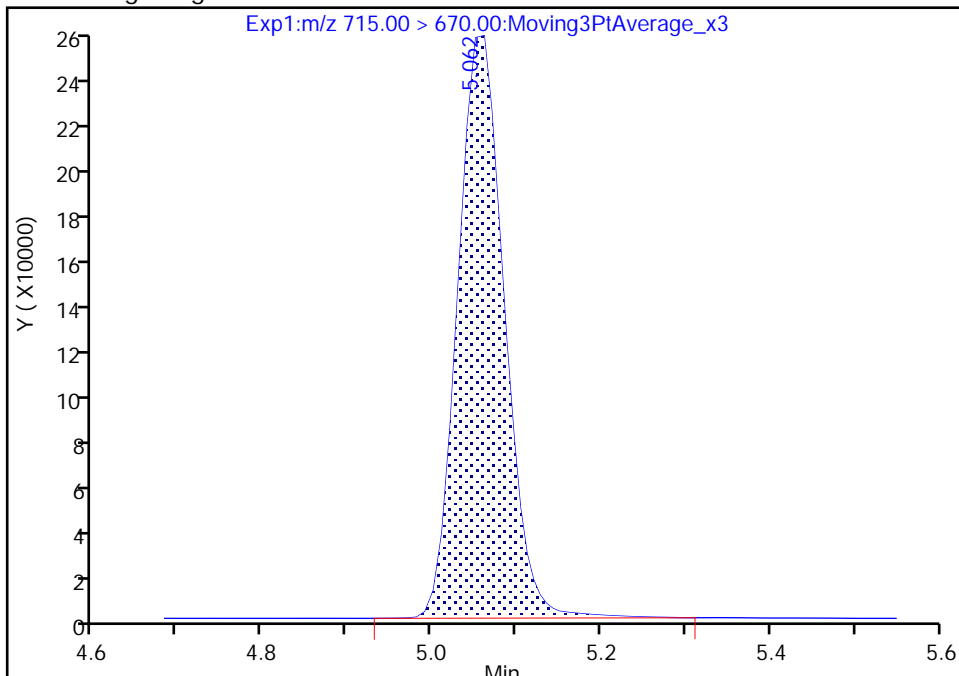
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

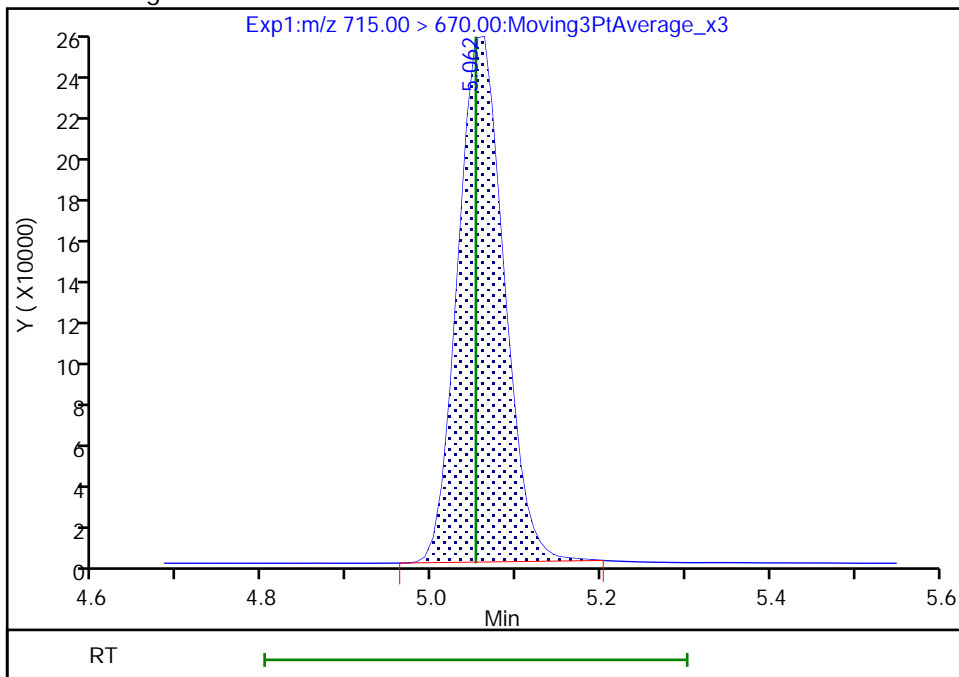
RT: 5.06
Area: 960549
Amount: 1.269935
Amount Units: ng/ml

Processing Integration Results



RT: 5.06
Area: 949490
Amount: 1.257766
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:13:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

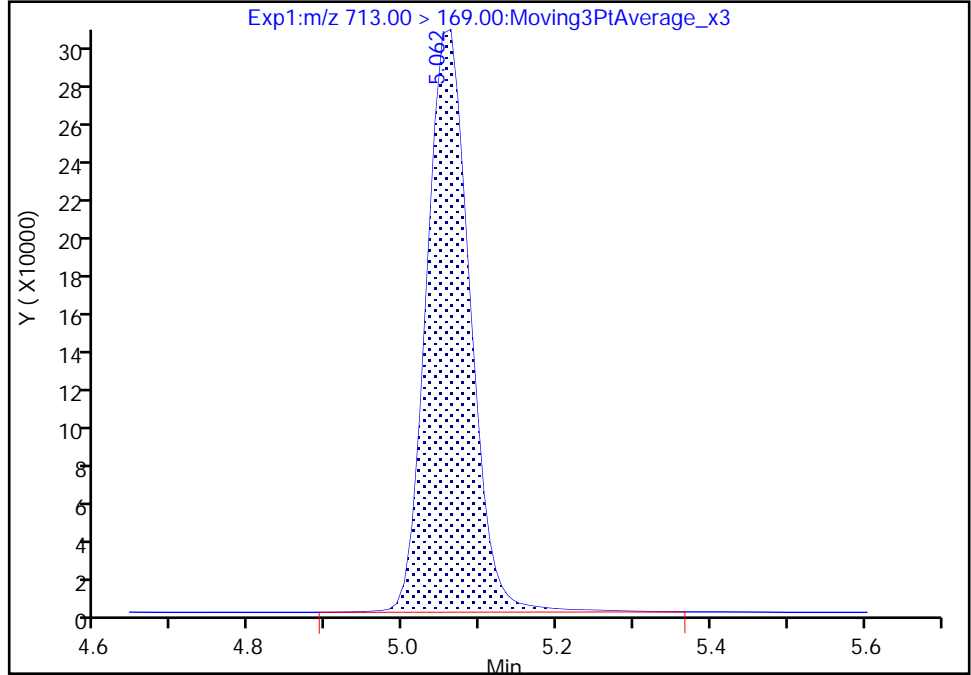
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

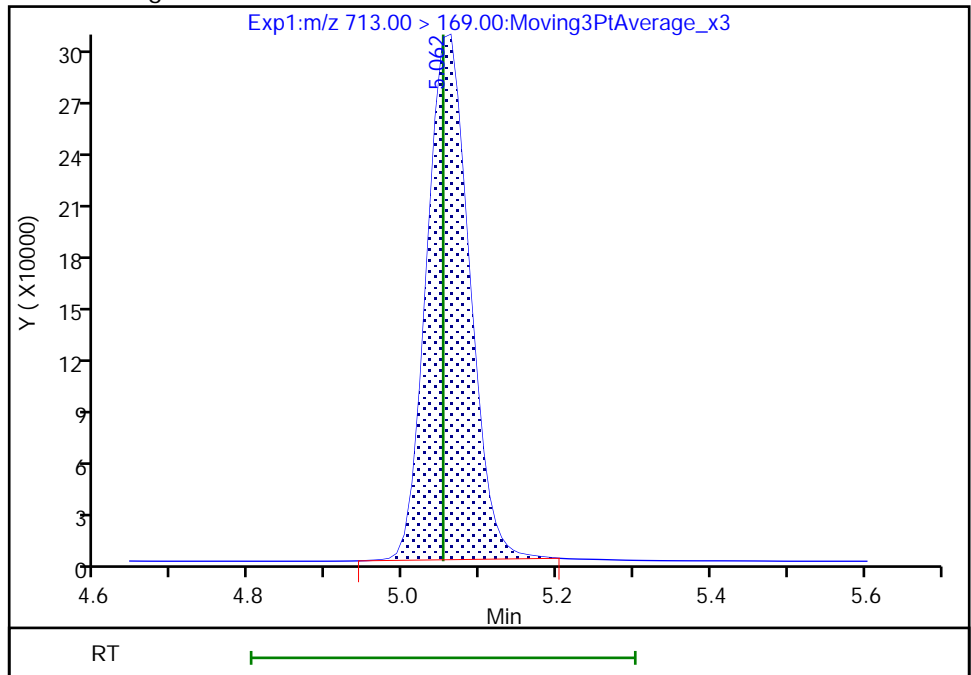
RT: 5.06
Area: 1182750
Amount: 9.693925
Amount Units: ng/ml

Processing Integration Results



RT: 5.06
Area: 1163895
Amount: 9.564021
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:13:53
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

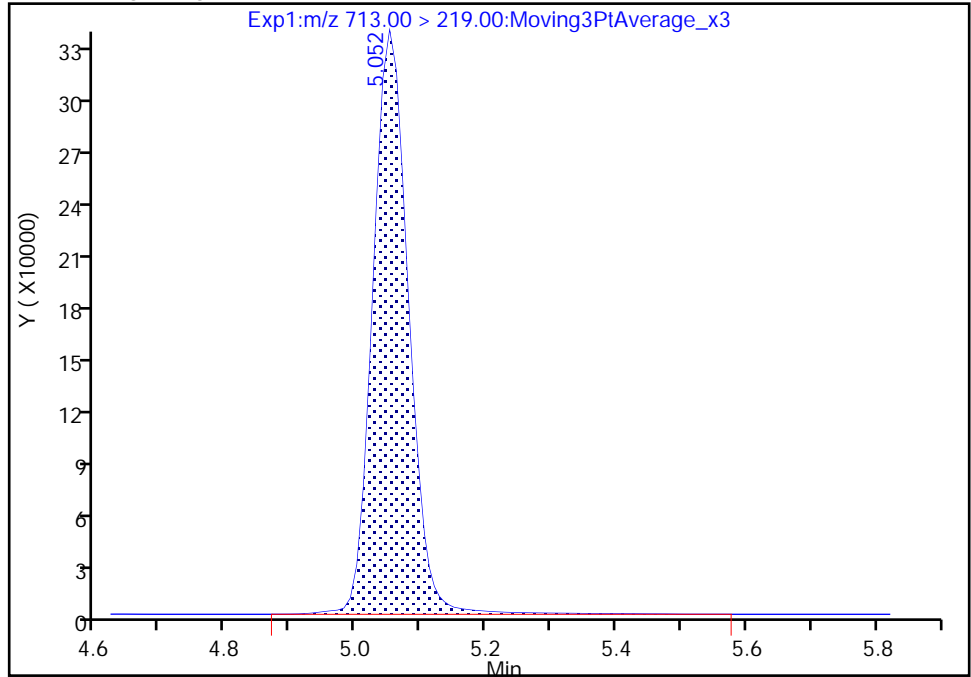
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

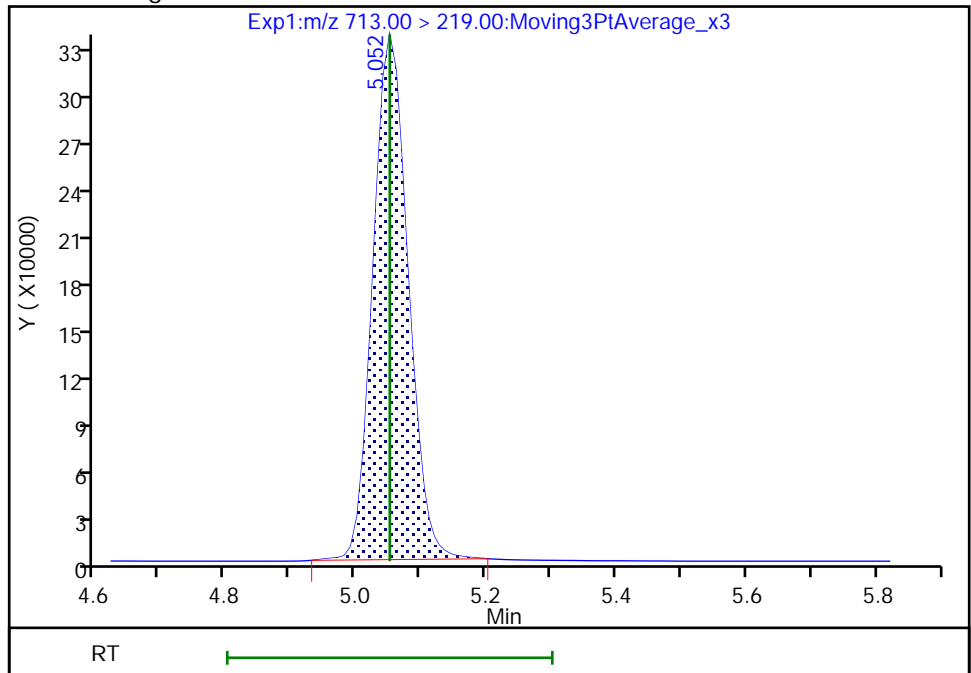
RT: 5.05
Area: 1278596
Amount: 9.693925
Amount Units: ng/ml

Processing Integration Results



RT: 5.05
Area: 1252704
Amount: 9.564021
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:13:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

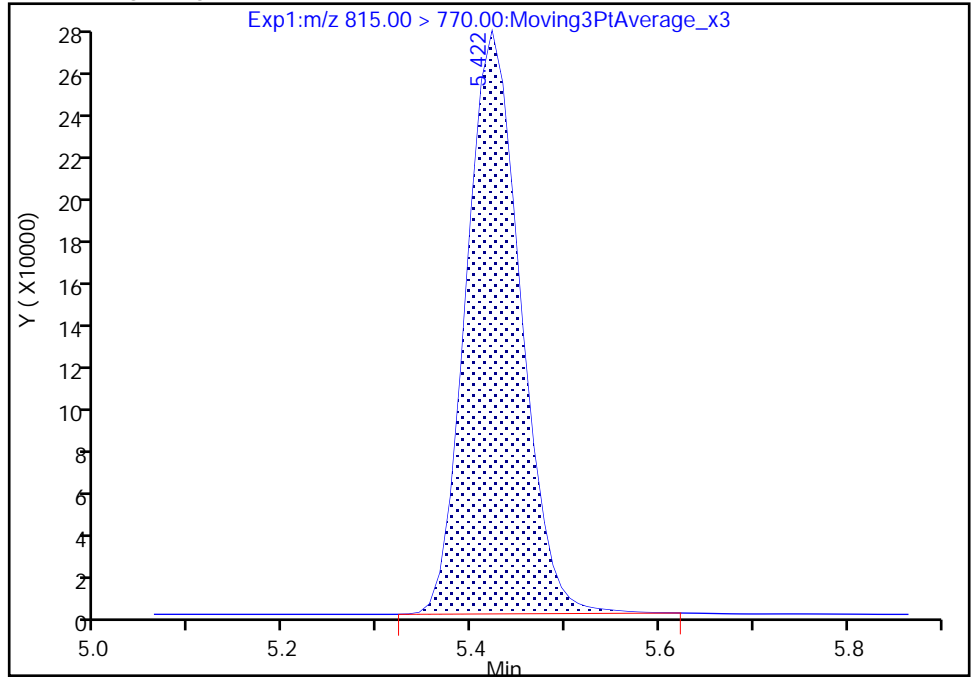
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 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

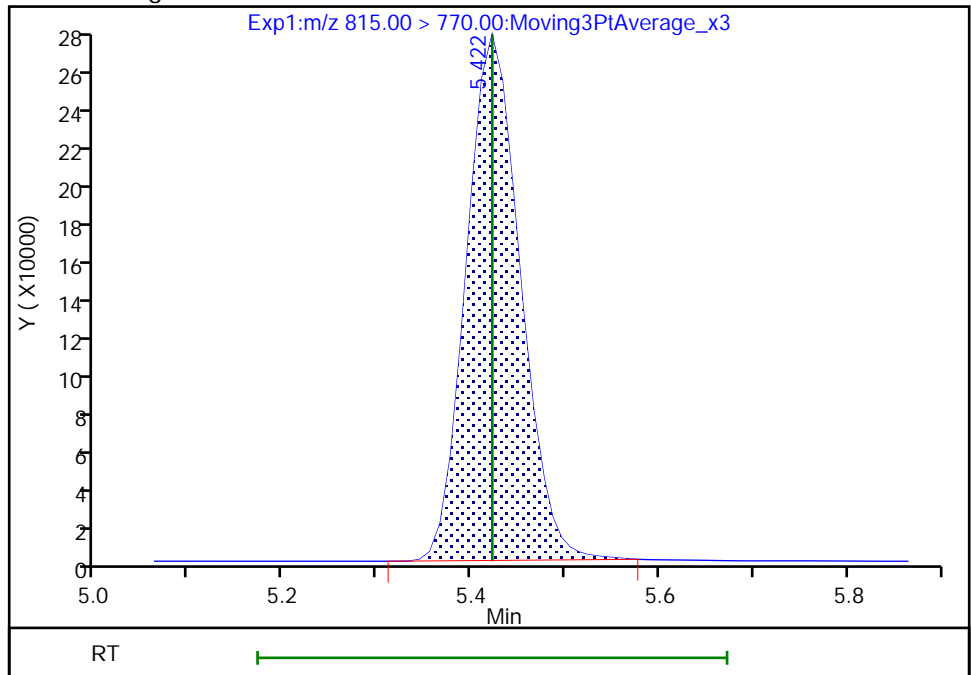
RT: 5.42
Area: 1084390
Amount: 1.260184
Amount Units: ng/ml

Processing Integration Results



RT: 5.42
Area: 1080090
Amount: 1.256024
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:14:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

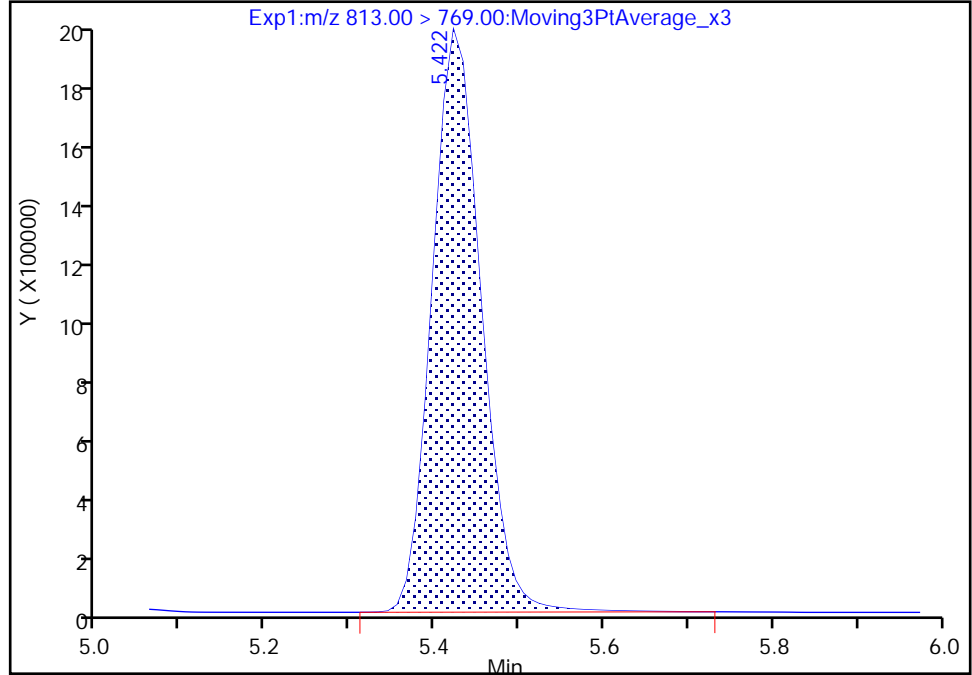
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

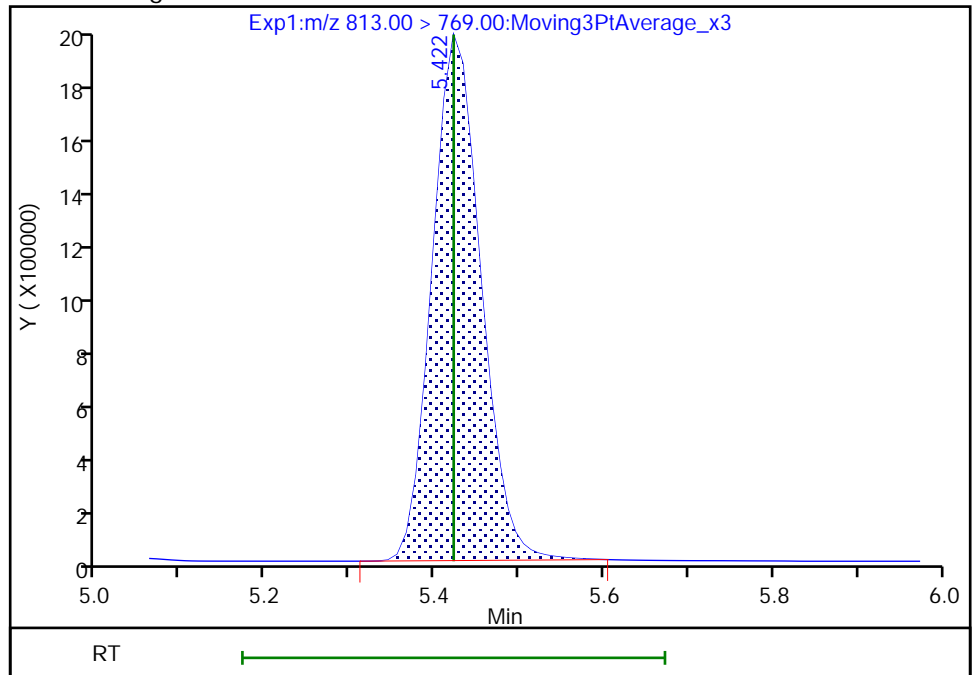
RT: 5.42
Area: 7776335
Amount: 9.985764
Amount Units: ng/ml

Processing Integration Results



RT: 5.42
Area: 7724125
Amount: 9.978557
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:14:01
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

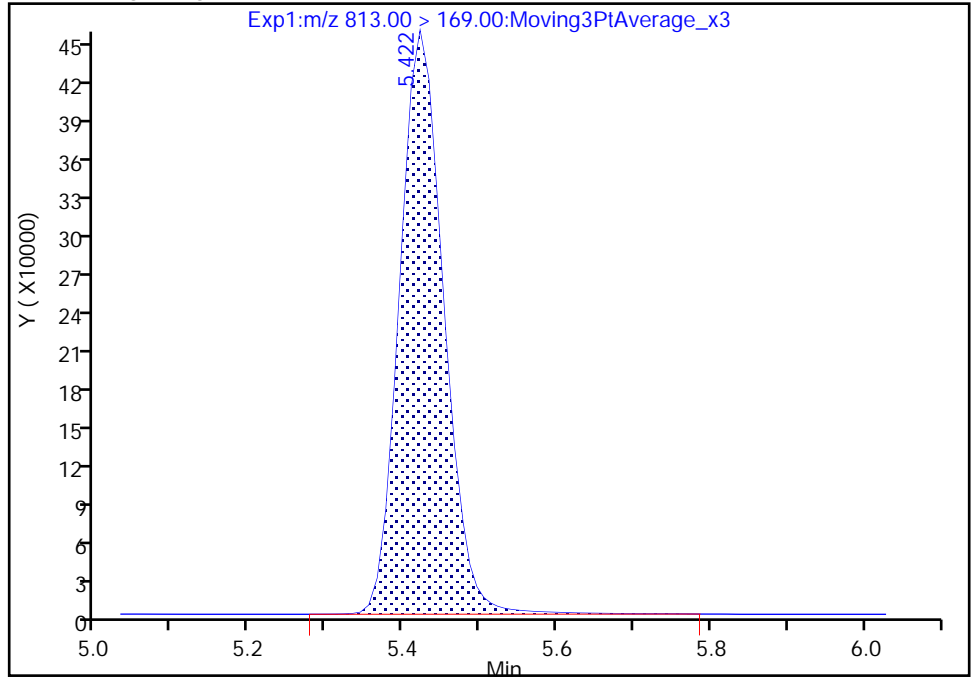
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

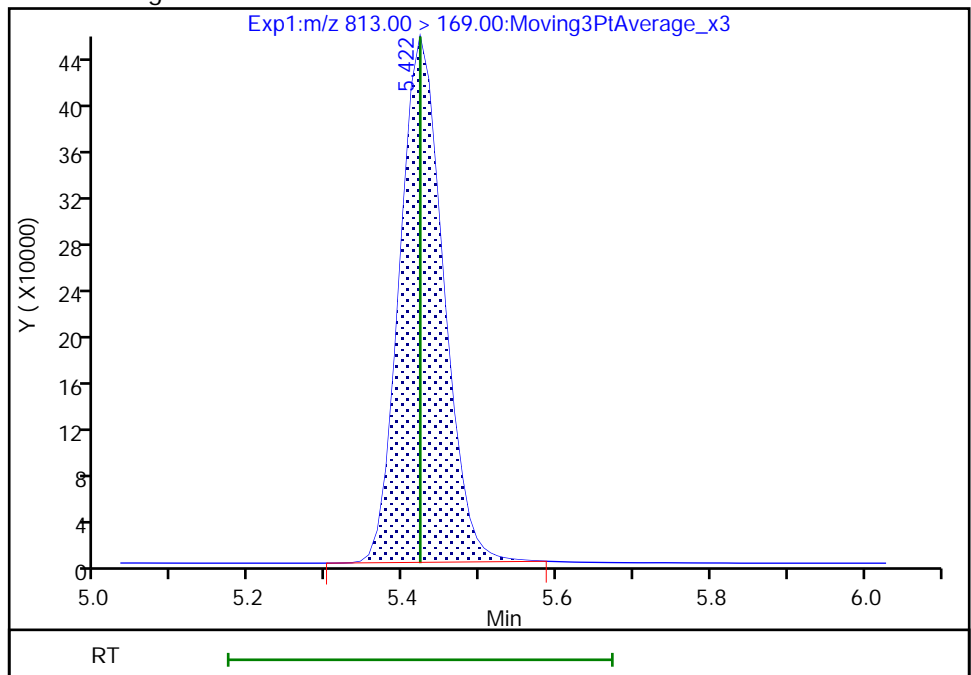
RT: 5.42
Area: 1820798
Amount: 9.985764
Amount Units: ng/ml

Processing Integration Results



RT: 5.42
Area: 1801906
Amount: 9.978557
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:14:06

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

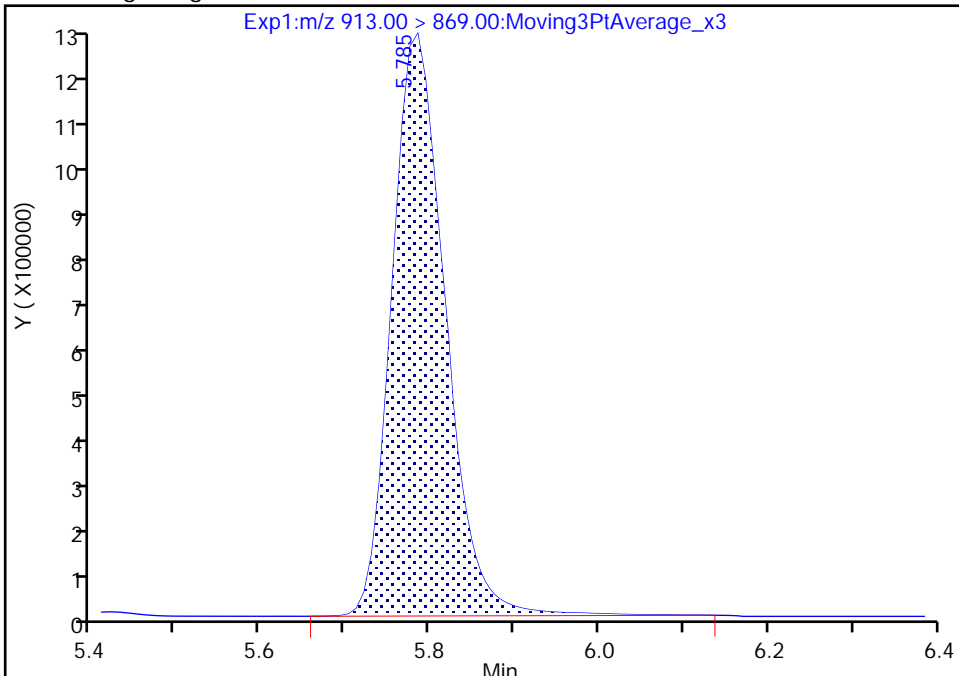
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

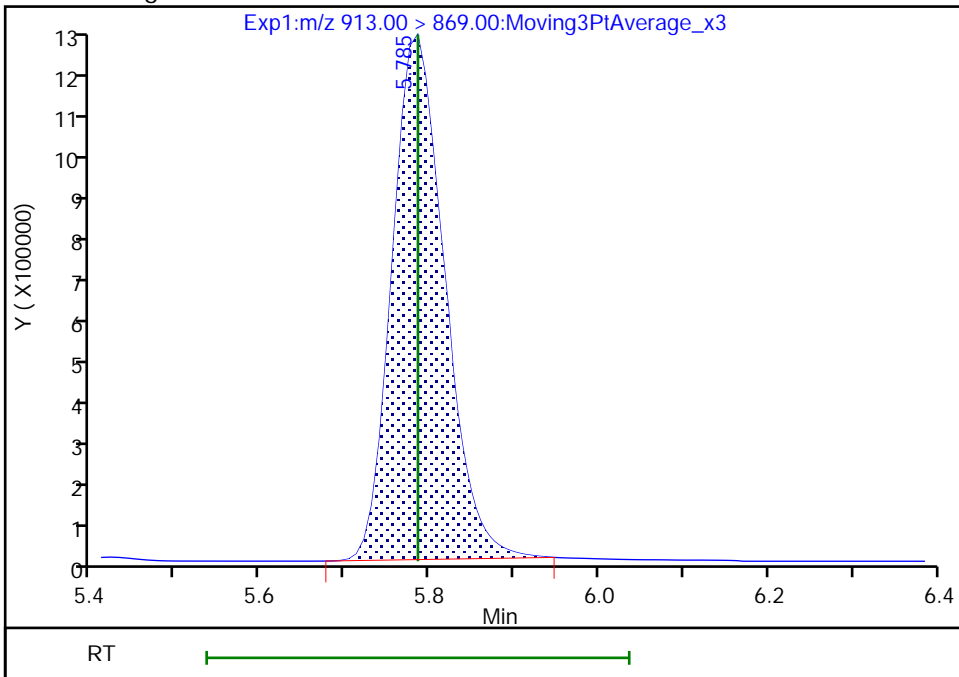
RT: 5.79
Area: 5347373
Amount: 9.283155
Amount Units: ng/ml

Processing Integration Results



RT: 5.79
Area: 5256805
Amount: 9.149904
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:14:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

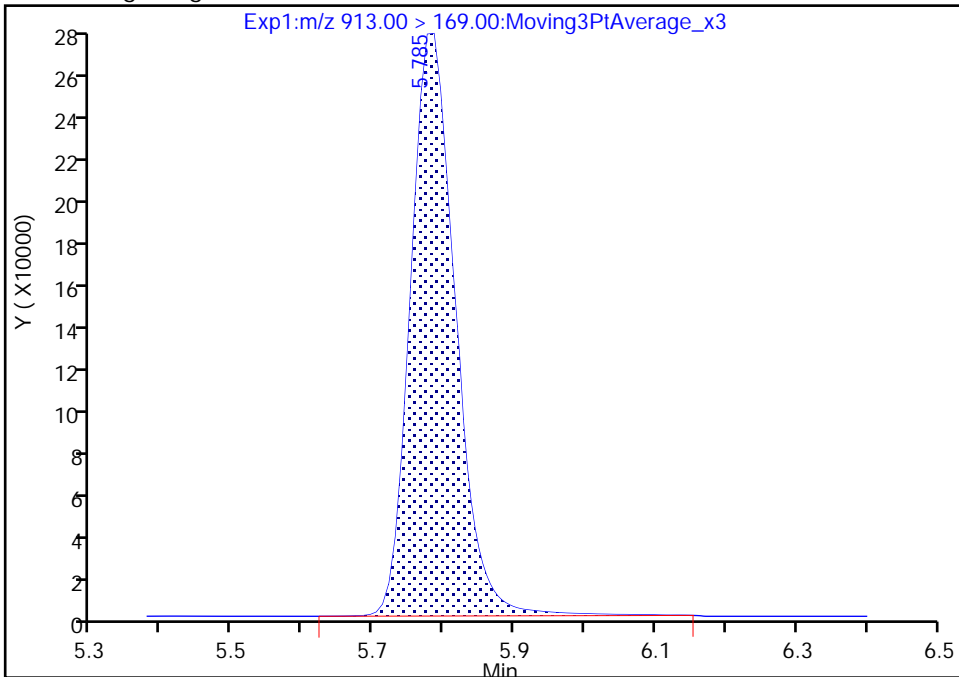
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

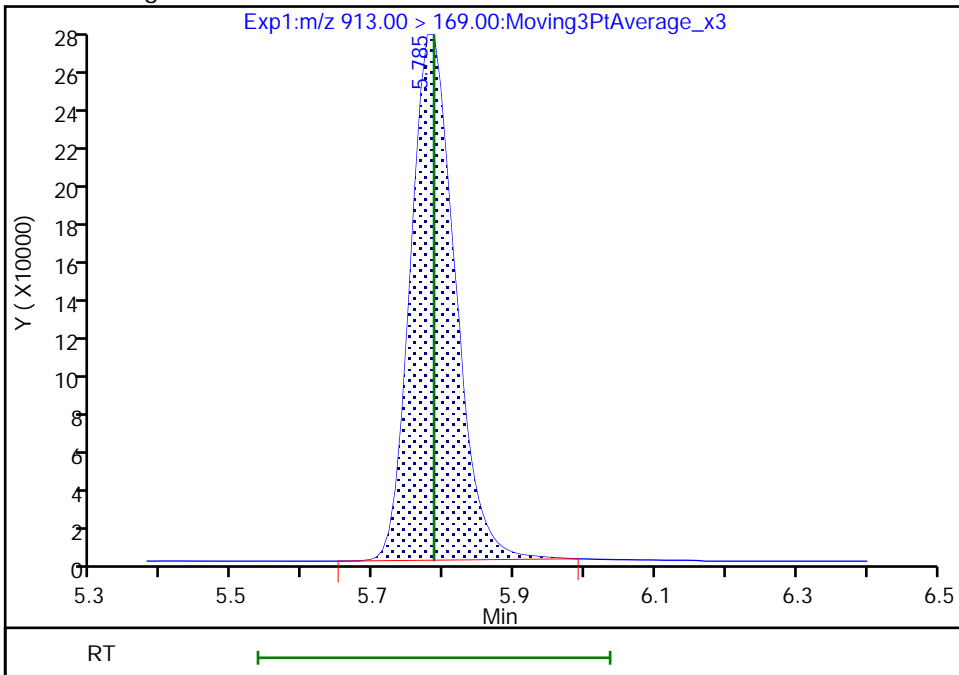
RT: 5.79
Area: 1219269
Amount: 9.283155
Amount Units: ng/ml

Processing Integration Results



RT: 5.79
Area: 1205334
Amount: 9.149904
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 14:14:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Calibration

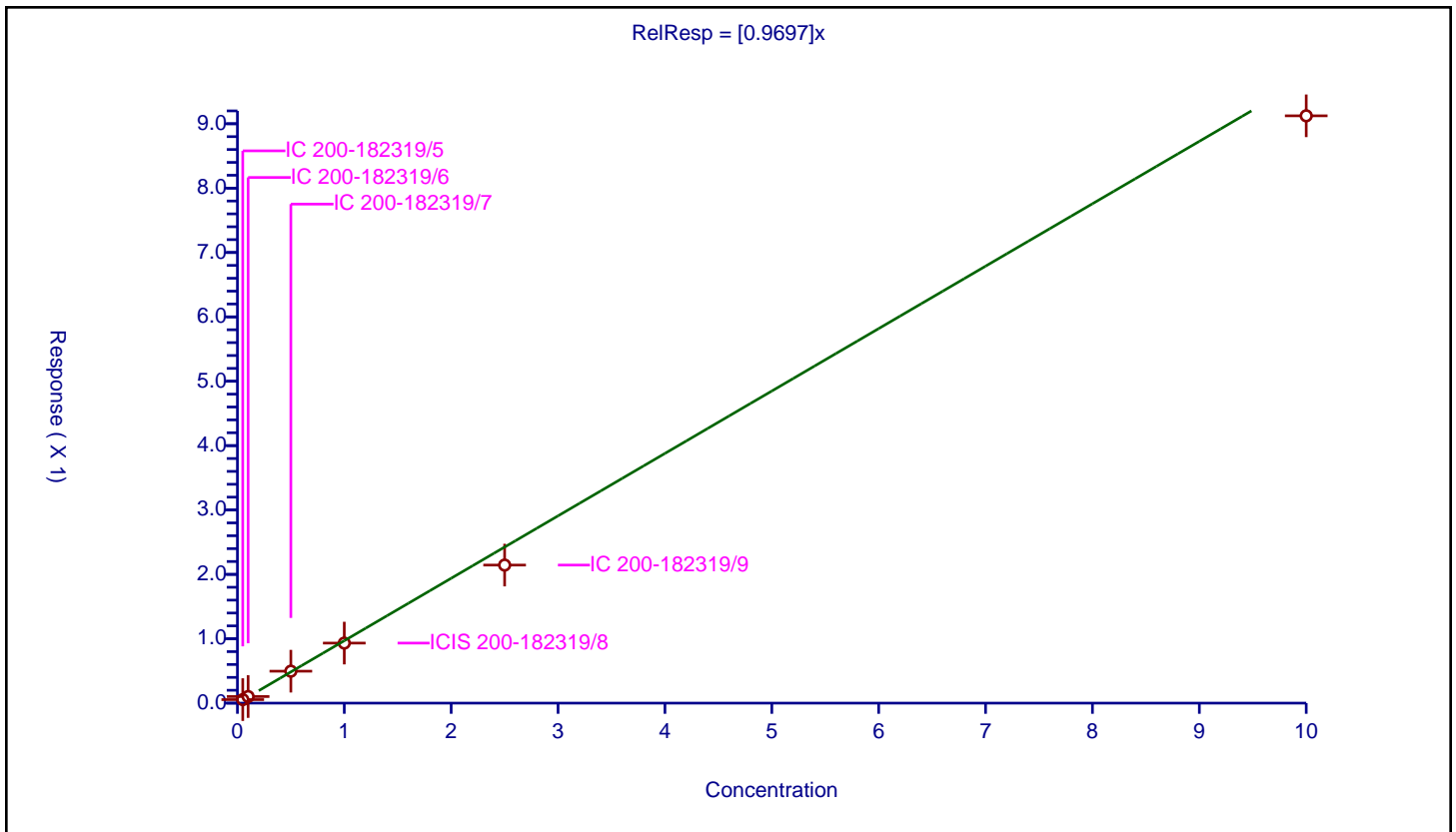
/ Perfluorobutanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.9697

Error Coefficients	
Standard Error:	6110000
Relative Standard Error:	8.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.054973	1.25	1801086.0	1.099462	Y
2	IC 200-182319/6	0.1	0.102292	1.25	1889069.0	1.022925	Y
3	IC 200-182319/7	0.5	0.496265	1.25	1792010.0	0.992531	Y
4	ICIS 200-182319/8	1.0	0.932949	1.25	1990166.0	0.932949	Y
5	IC 200-182319/9	2.5	2.144777	1.25	1857803.0	0.857911	Y
6	IC 200-182319/10	10.0	9.123656	1.25	1806199.0	0.912366	Y



Calibration

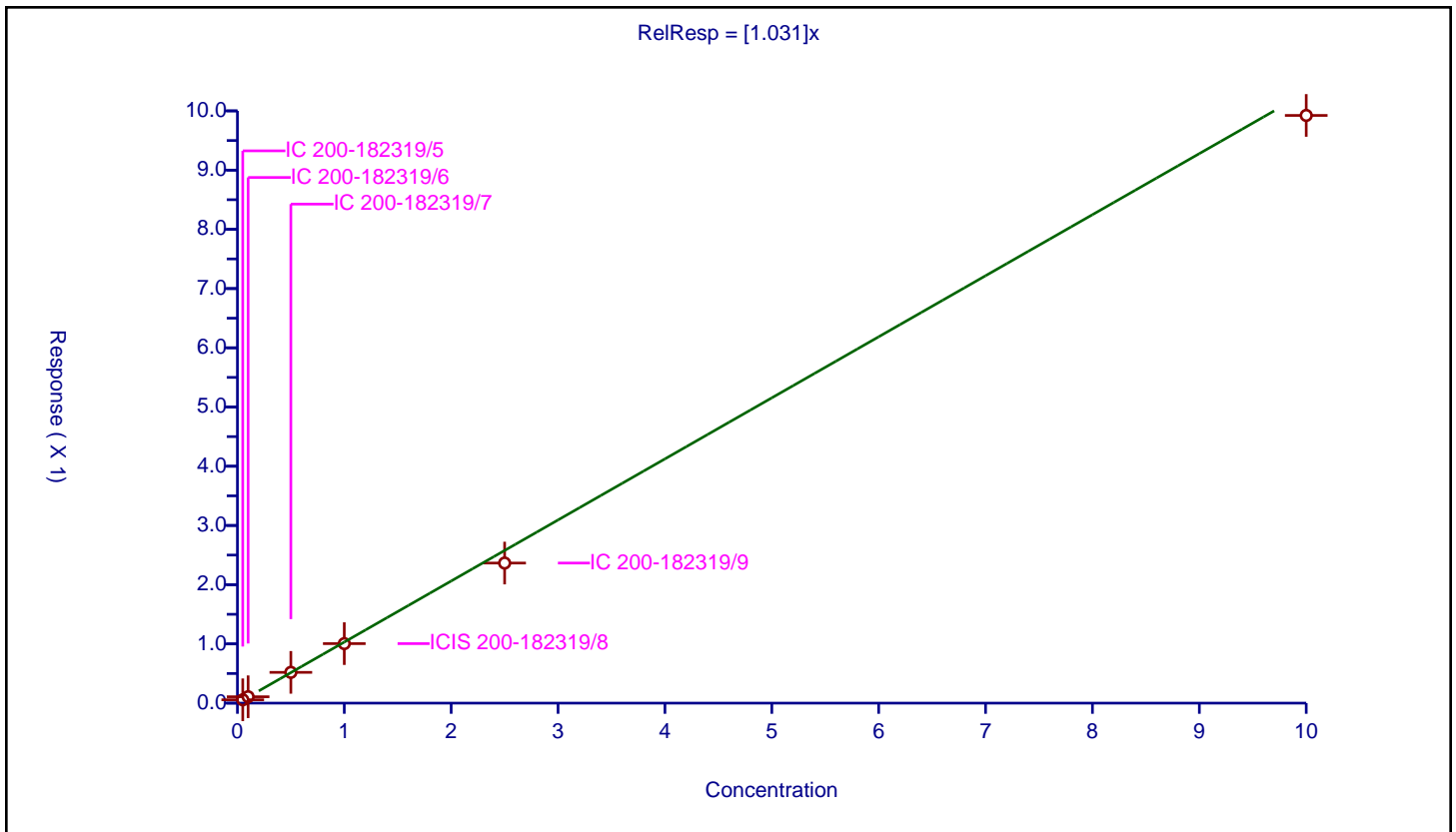
/ Perfluoropentanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.031

Error Coefficients	
Standard Error:	5000000
Relative Standard Error:	6.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.056224	1.25	1457461.0	1.12449	Y
2	IC 200-182319/6	0.1	0.10788	1.25	1467520.0	1.078801	Y
3	IC 200-182319/7	0.5	0.519568	1.25	1422776.0	1.039136	Y
4	ICIS 200-182319/8	1.0	1.00488	1.25	1448057.0	1.00488	Y
5	IC 200-182319/9	2.5	2.365051	1.25	1404065.0	0.94602	Y
6	IC 200-182319/10	10.0	9.922991	1.25	1356802.0	0.992299	Y



Calibration

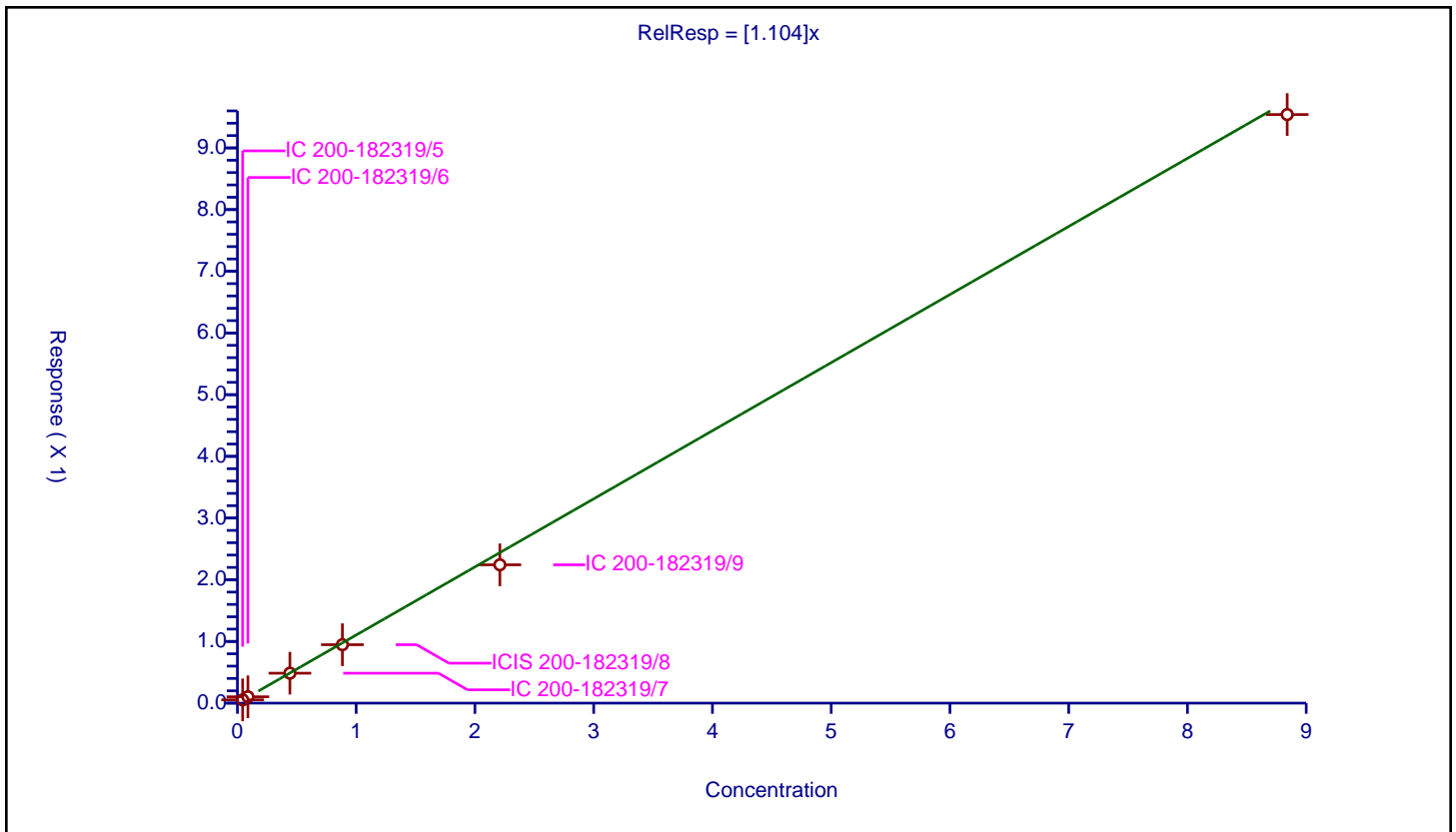
/ Perfluorobutanesulfonic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.104

Error Coefficients	
Standard Error:	5530000
Relative Standard Error:	6.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0442	0.052924	1.1625	1518638.0	1.197366	Y
2	IC 200-182319/6	0.0884	0.102801	1.1625	1552604.0	1.162905	Y
3	IC 200-182319/7	0.442	0.48518	1.1625	1530333.0	1.097692	Y
4	ICIS 200-182319/8	0.884	0.946966	1.1625	1606766.0	1.071229	Y
5	IC 200-182319/9	2.21	2.242248	1.1625	1554917.0	1.014592	Y
6	IC 200-182319/10	8.84	9.540802	1.1625	1451388.0	1.079276	Y



Calibration

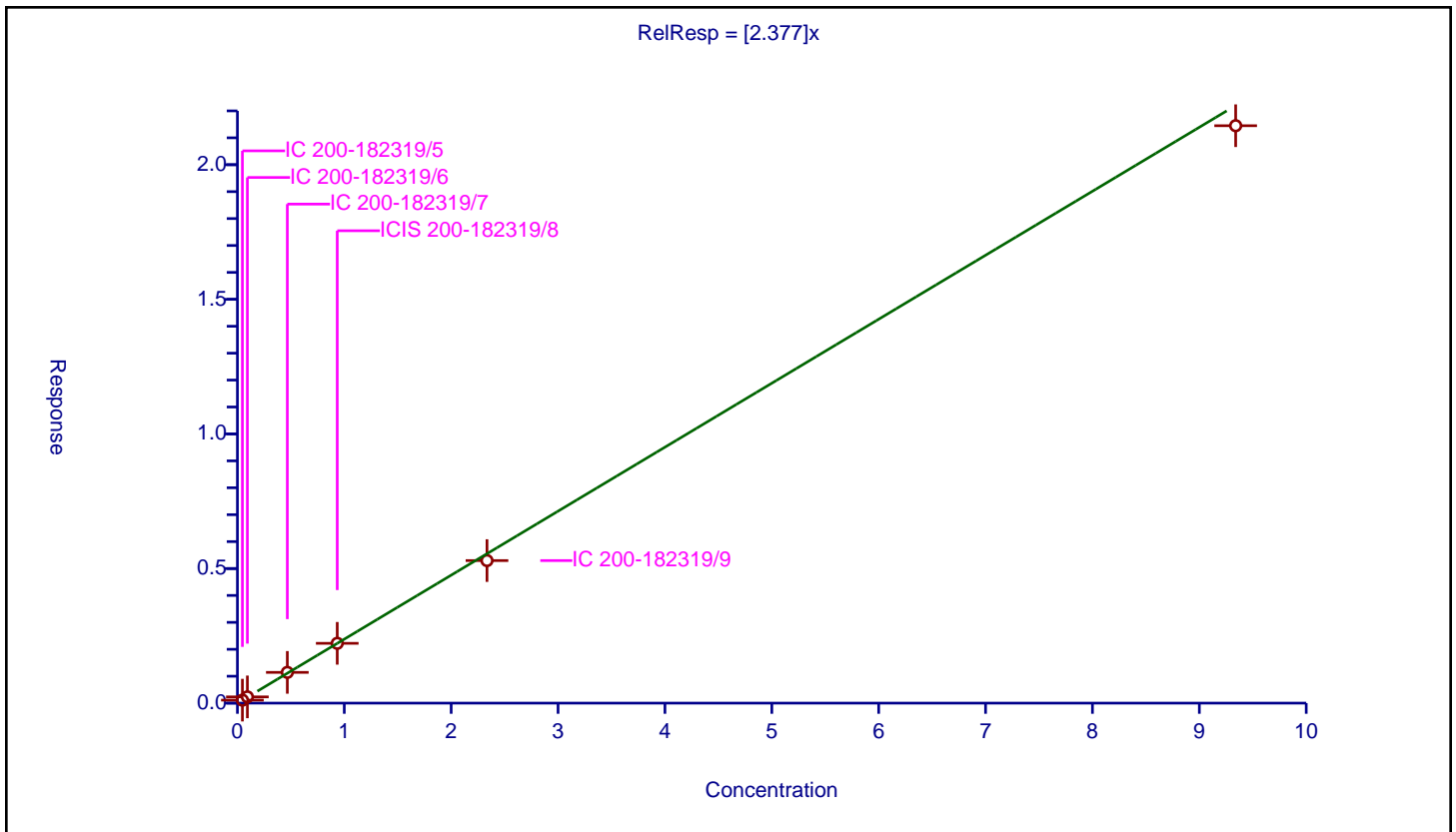
/ 1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.377

Error Coefficients	
Standard Error:	1100000
Relative Standard Error:	3.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0467	0.111595	1.1675	128546.0	2.389612	Y
2	IC 200-182319/6	0.0934	0.231848	1.1675	135136.0	2.482314	Y
3	IC 200-182319/7	0.467	1.142353	1.1675	130321.0	2.446152	Y
4	ICIS 200-182319/8	0.934	2.221675	1.1675	139111.0	2.378667	Y
5	IC 200-182319/9	2.335	5.295352	1.1675	134930.0	2.267817	Y
6	IC 200-182319/10	9.34	21.449181	1.1675	128662.0	2.296486	Y



Calibration

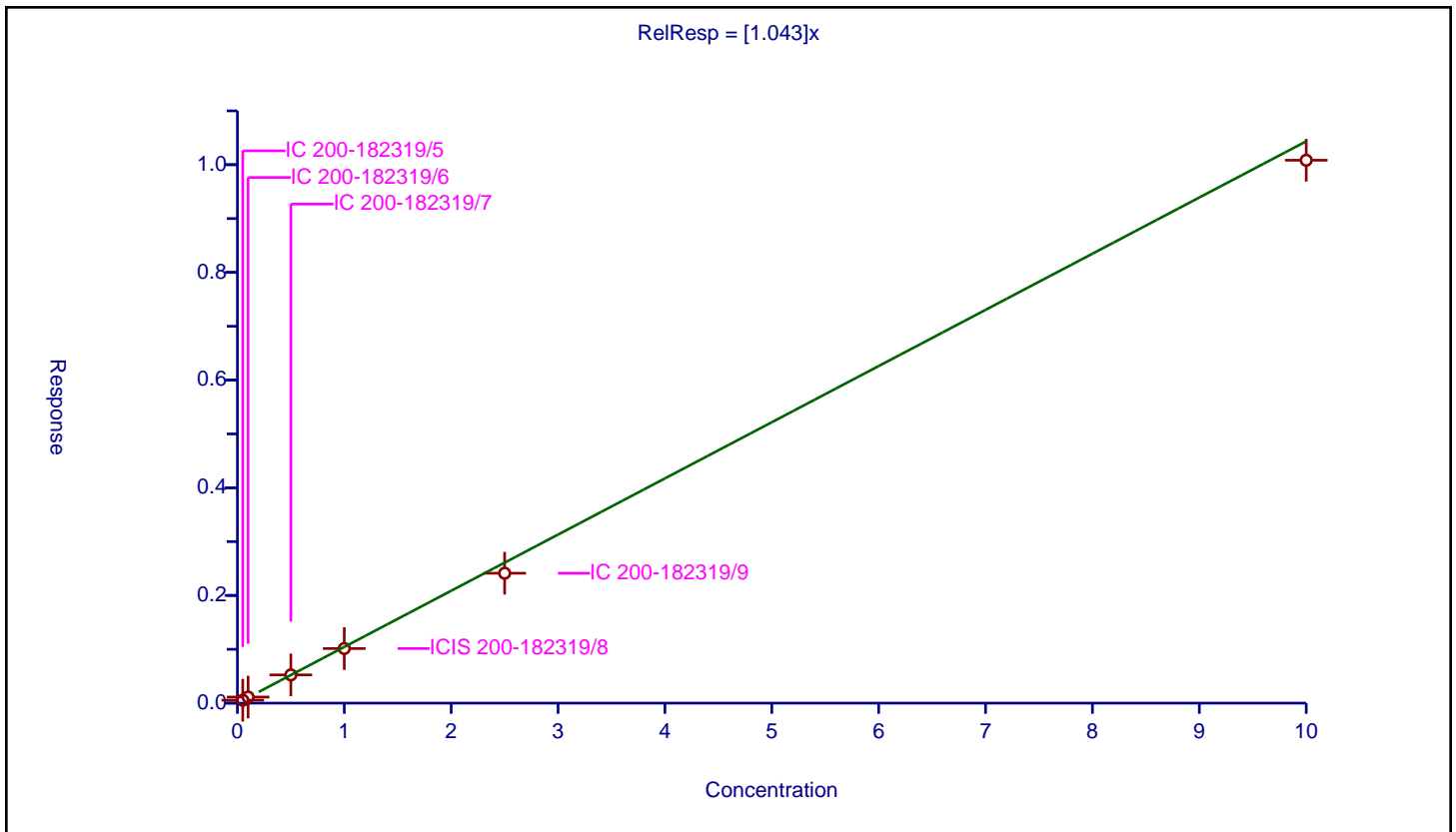
/ Perfluorohexanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.043

Error Coefficients	
Standard Error:	5100000
Relative Standard Error:	5.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.054704	1.25	1413508.0	1.094086	Y
2	IC 200-182319/6	0.1	0.112992	1.25	1370007.0	1.129921	Y
3	IC 200-182319/7	0.5	0.524659	1.25	1432991.0	1.049317	Y
4	ICIS 200-182319/8	1.0	1.014043	1.25	1545822.0	1.014043	Y
5	IC 200-182319/9	2.5	2.412572	1.25	1429283.0	0.965029	Y
6	IC 200-182319/10	10.0	10.083565	1.25	1361444.0	1.008356	Y



Calibration

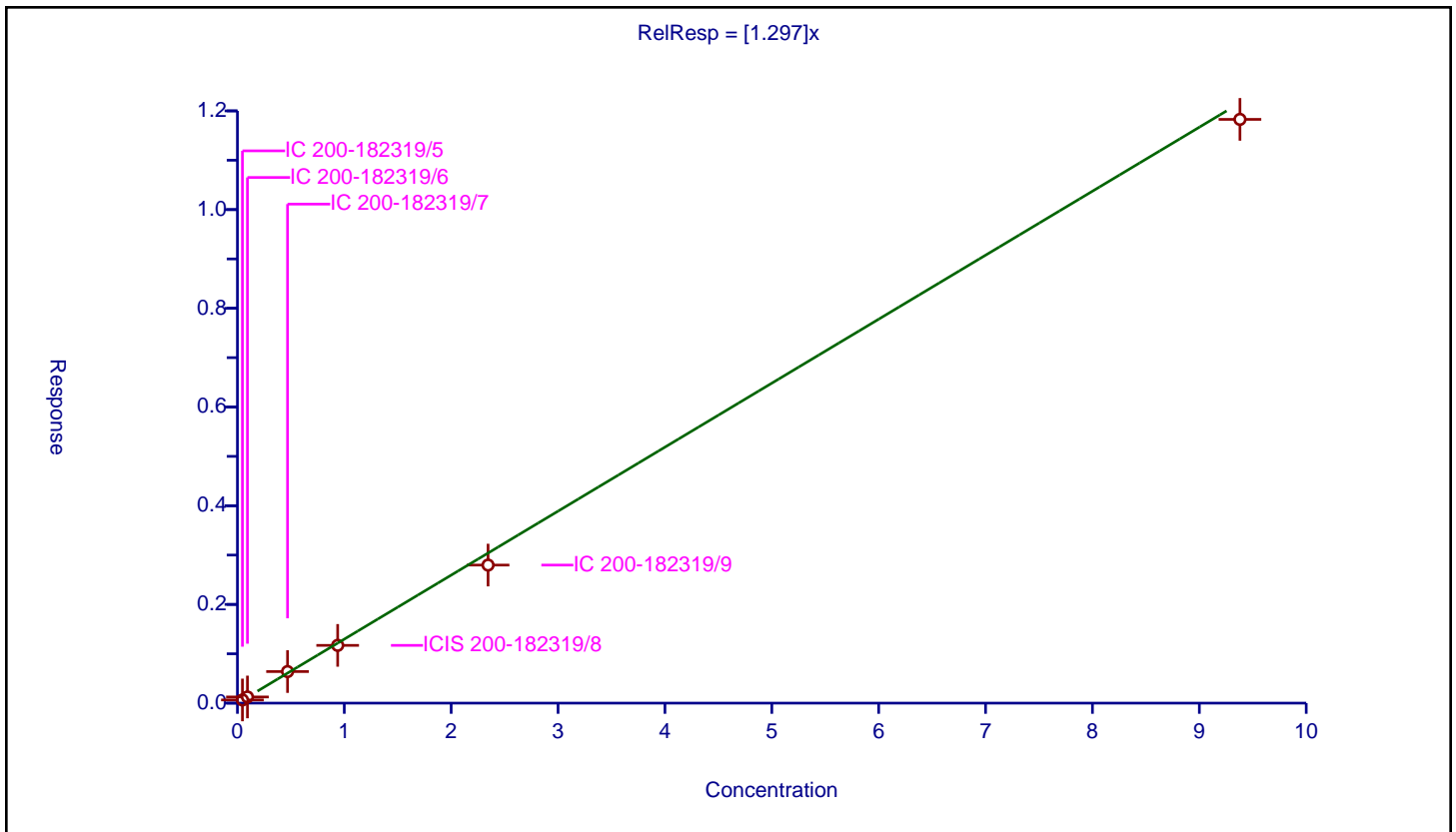
/ Perfluoropentanesulfonic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.297

Error Coefficients	
Standard Error:	5100000
Relative Standard Error:	5.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0469	0.064744	1.1825	1066162.0	1.380462	Y
2	IC 200-182319/6	0.0938	0.125123	1.1825	1056649.0	1.333929	Y
3	IC 200-182319/7	0.469	0.639506	1.1825	1070938.0	1.363551	Y
4	ICIS 200-182319/8	0.938	1.170436	1.1825	1199930.0	1.247799	Y
5	IC 200-182319/9	2.345	2.79728	1.1825	1100091.0	1.19287	Y
6	IC 200-182319/10	9.38	11.82767	1.1825	1101269.0	1.260946	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

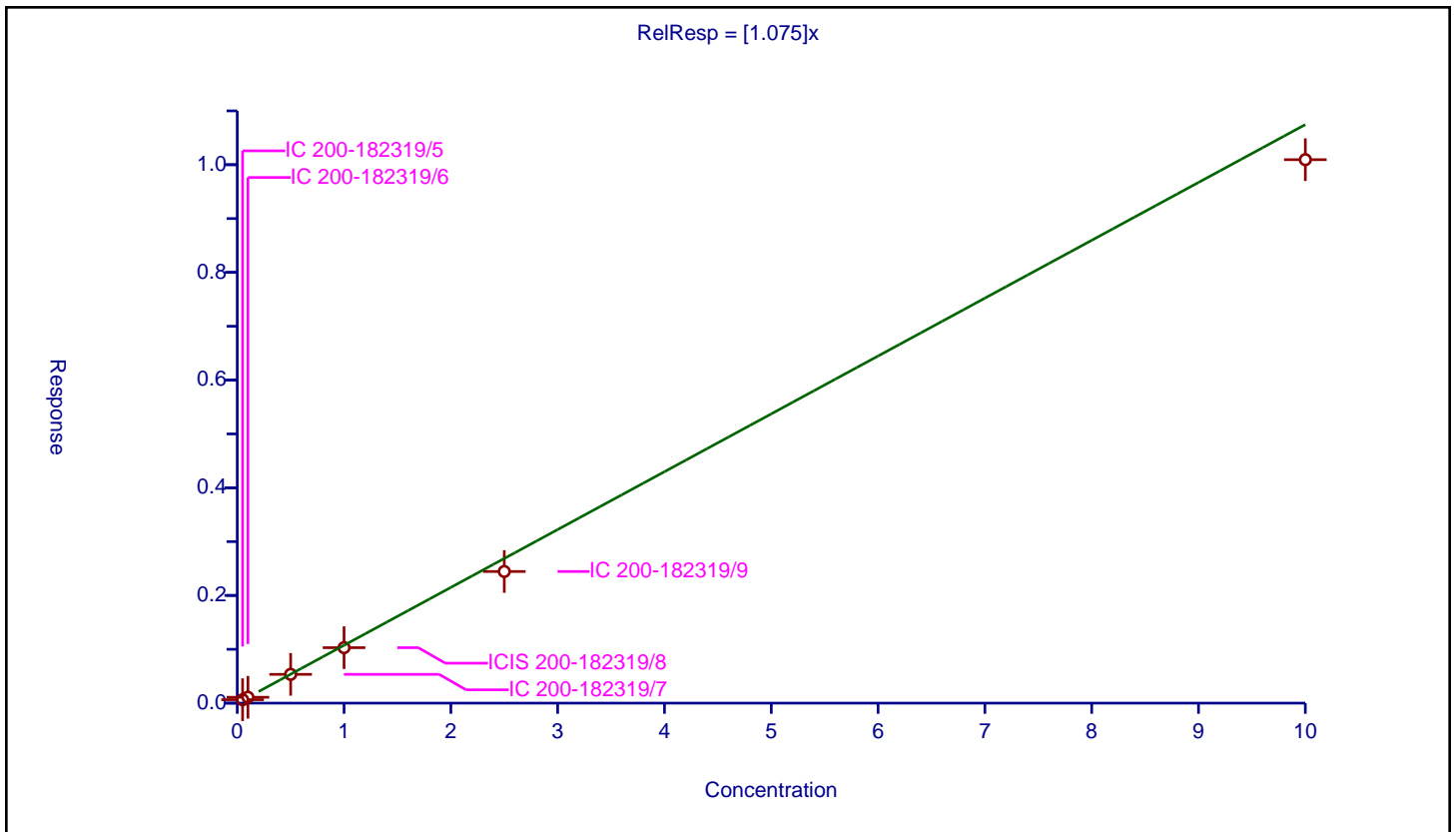
Curve Coefficients

Intercept: 0
Slope: 1.075

Error Coefficients

Standard Error: 1020000
Relative Standard Error: 9.6
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.063352	1.25	258219.0	1.267045	Y
2	IC 200-182319/6	0.1	0.10932	1.25	270250.0	1.093201	Y
3	IC 200-182319/7	0.5	0.534638	1.25	255203.0	1.069276	Y
4	ICIS 200-182319/8	1.0	1.030352	1.25	284467.0	1.030352	Y
5	IC 200-182319/9	2.5	2.444834	1.25	269301.0	0.977934	Y
6	IC 200-182319/10	10.0	10.093736	1.25	271626.0	1.009374	Y



Calibration

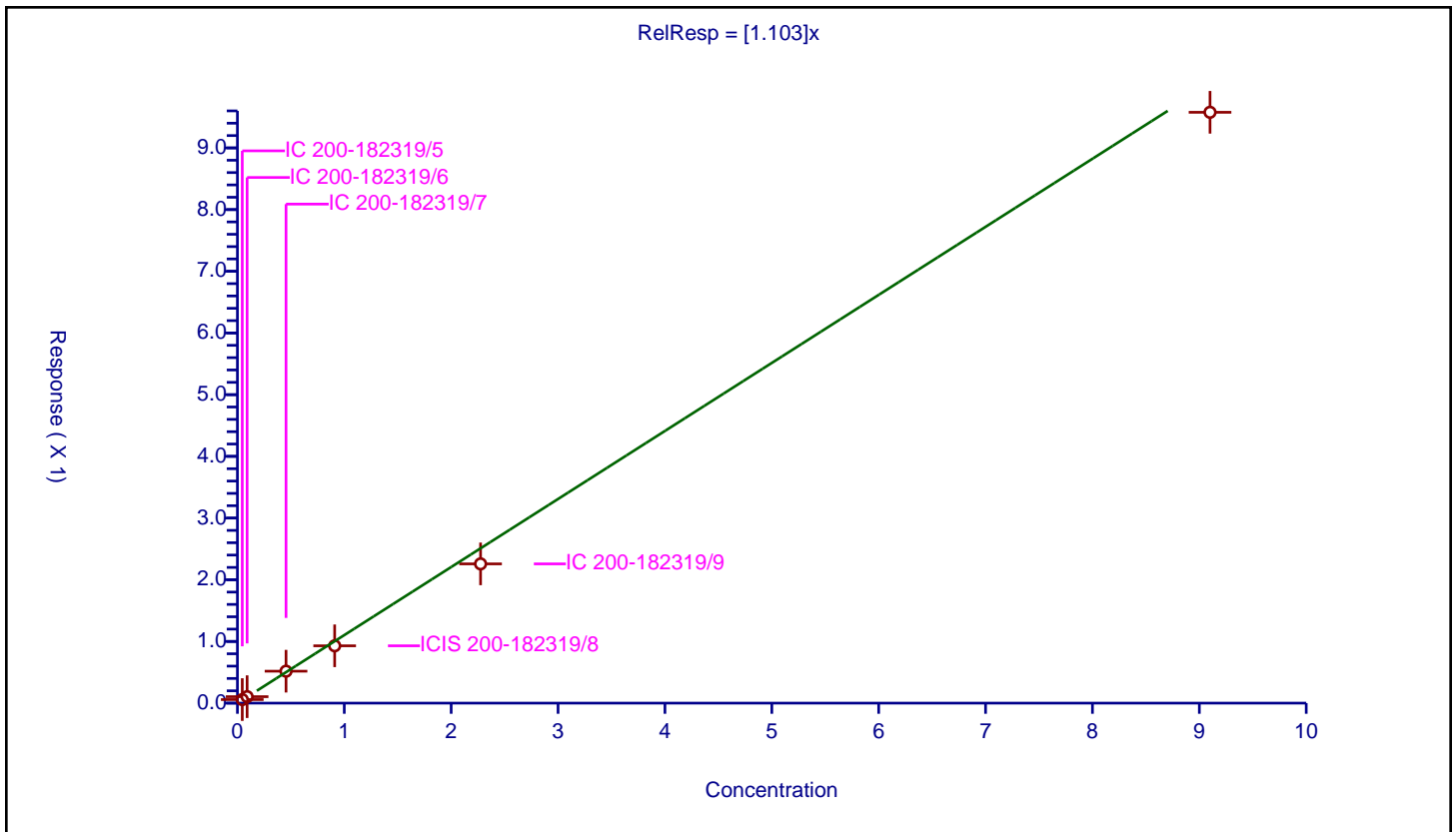
/ Perfluorohexanesulfonic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.103

Error Coefficients	
Standard Error:	4130000
Relative Standard Error:	9.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0455	0.057553	1.1825	1066162.0	1.264907	Y
2	IC 200-182319/6	0.091	0.104492	1.1825	1056649.0	1.148262	Y
3	IC 200-182319/7	0.455	0.517971	1.1825	1070938.0	1.138397	Y
4	ICIS 200-182319/8	0.91	0.929468	1.1825	1199930.0	1.021393	Y
5	IC 200-182319/9	2.275	2.257341	1.1825	1100091.0	0.992238	Y
6	IC 200-182319/10	9.1	9.577256	1.1825	1101269.0	1.052446	Y



Calibration

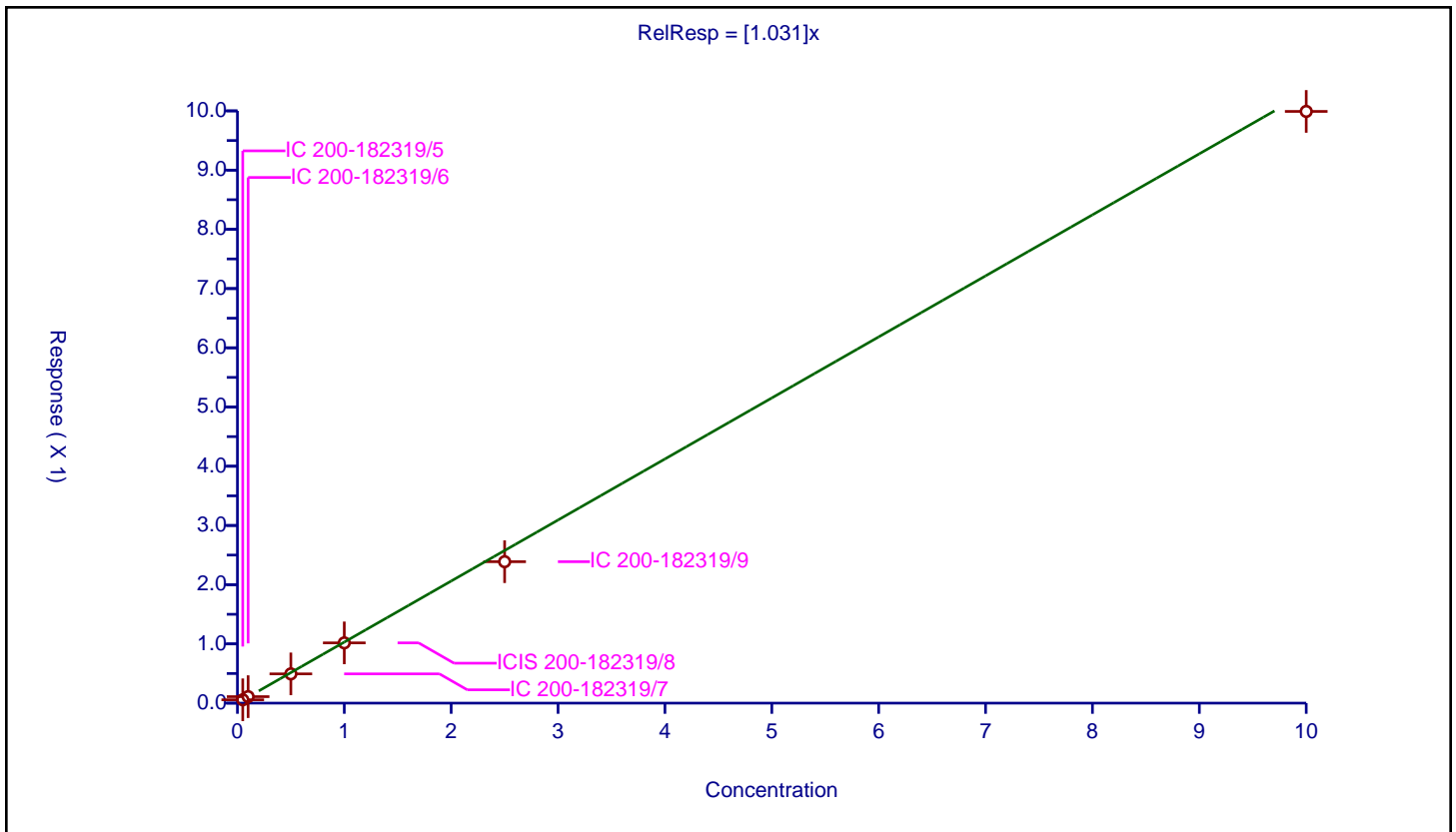
/ Perfluoroheptanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.031

Error Coefficients	
Standard Error:	5200000
Relative Standard Error:	6.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.056472	1.25	1452765.0	1.12945	Y
2	IC 200-182319/6	0.1	0.109407	1.25	1436597.0	1.09407	Y
3	IC 200-182319/7	0.5	0.494063	1.25	1532788.0	0.988126	Y
4	ICIS 200-182319/8	1.0	1.01747	1.25	1584230.0	1.01747	Y
5	IC 200-182319/9	2.5	2.388406	1.25	1462731.0	0.955362	Y
6	IC 200-182319/10	10.0	9.991172	1.25	1400879.0	0.999117	Y



Calibration

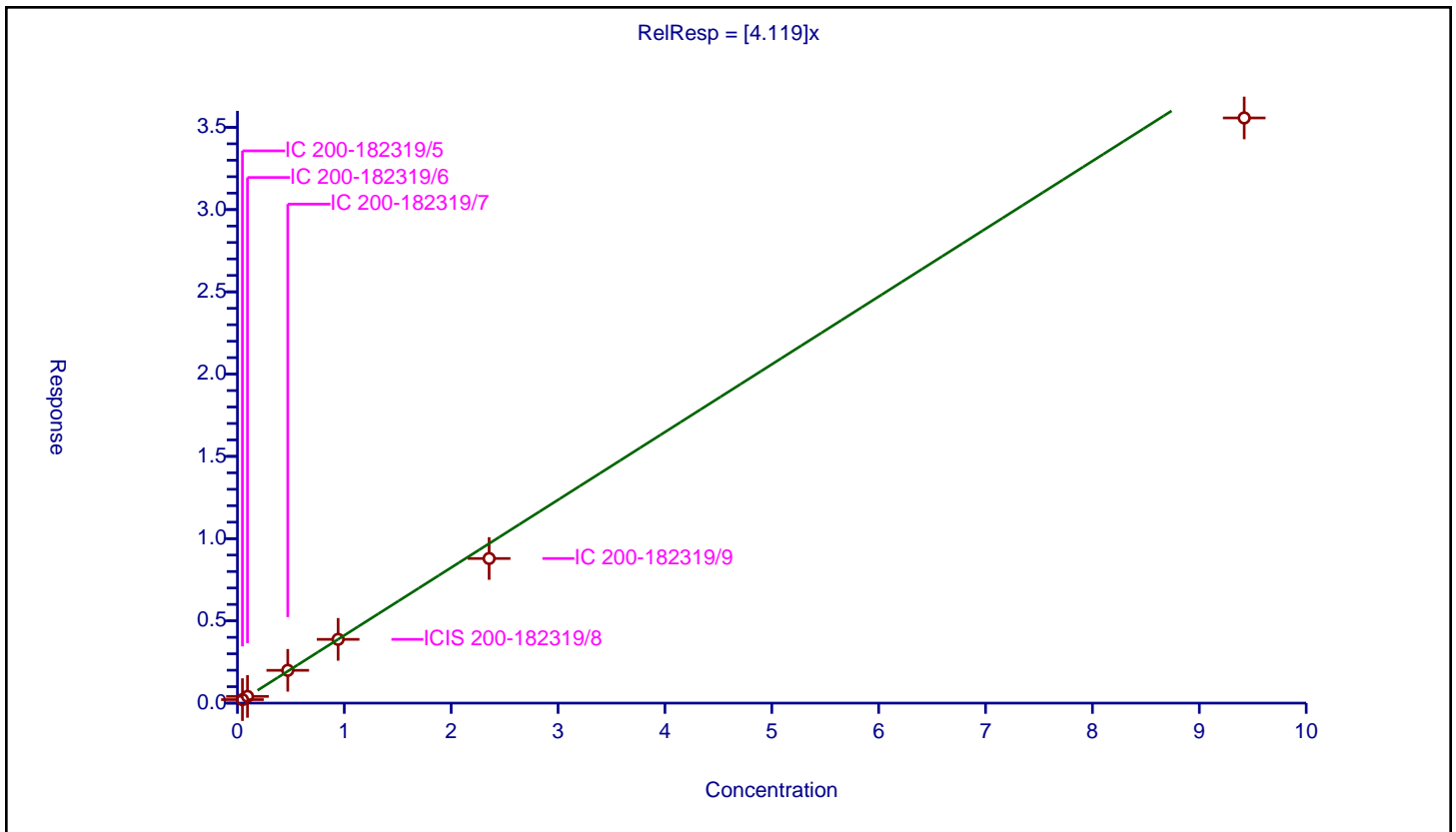
/ DONA

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	4.119

Error Coefficients	
Standard Error:	11300000
Relative Standard Error:	7.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0471	0.21237	1.195	814976.0	4.508922	Y
2	IC 200-182319/6	0.0942	0.40952	1.195	840757.0	4.347348	Y
3	IC 200-182319/7	0.471	1.993533	1.195	804391.0	4.232554	Y
4	ICIS 200-182319/8	0.942	3.876015	1.195	867294.0	4.114666	Y
5	IC 200-182319/9	2.355	8.791096	1.195	824732.0	3.732949	Y
6	IC 200-182319/10	9.42	35.571432	1.195	821046.0	3.776161	Y



Calibration

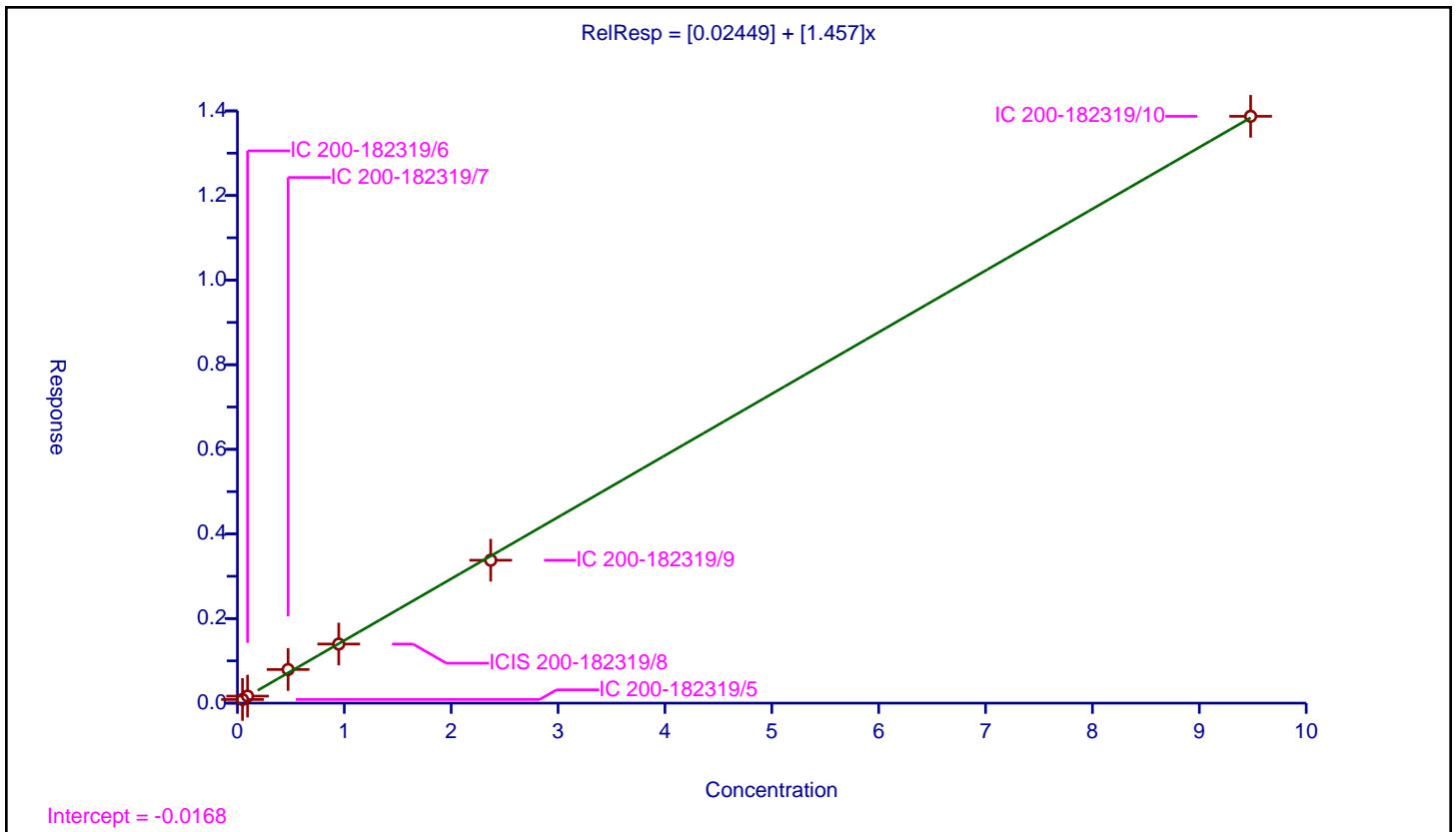
/ 1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)

Curve Type: Linear
 Weighting: Conc
 Origin: None
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0.02449
Slope:	1.457

Error Coefficients	
Standard Error:	1080000
Relative Standard Error:	8.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0474	0.086178	1.1875	190476.0	1.818098	Y
2	IC 200-182319/6	0.0948	0.16605	1.1875	181082.0	1.751584	Y
3	IC 200-182319/7	0.474	0.794837	1.1875	174667.0	1.676872	Y
4	ICIS 200-182319/8	0.948	1.396853	1.1875	203094.0	1.473474	Y
5	IC 200-182319/9	2.37	3.378094	1.1875	182060.0	1.425356	Y
6	IC 200-182319/10	9.48	13.872036	1.1875	177168.0	1.463295	Y



Calibration

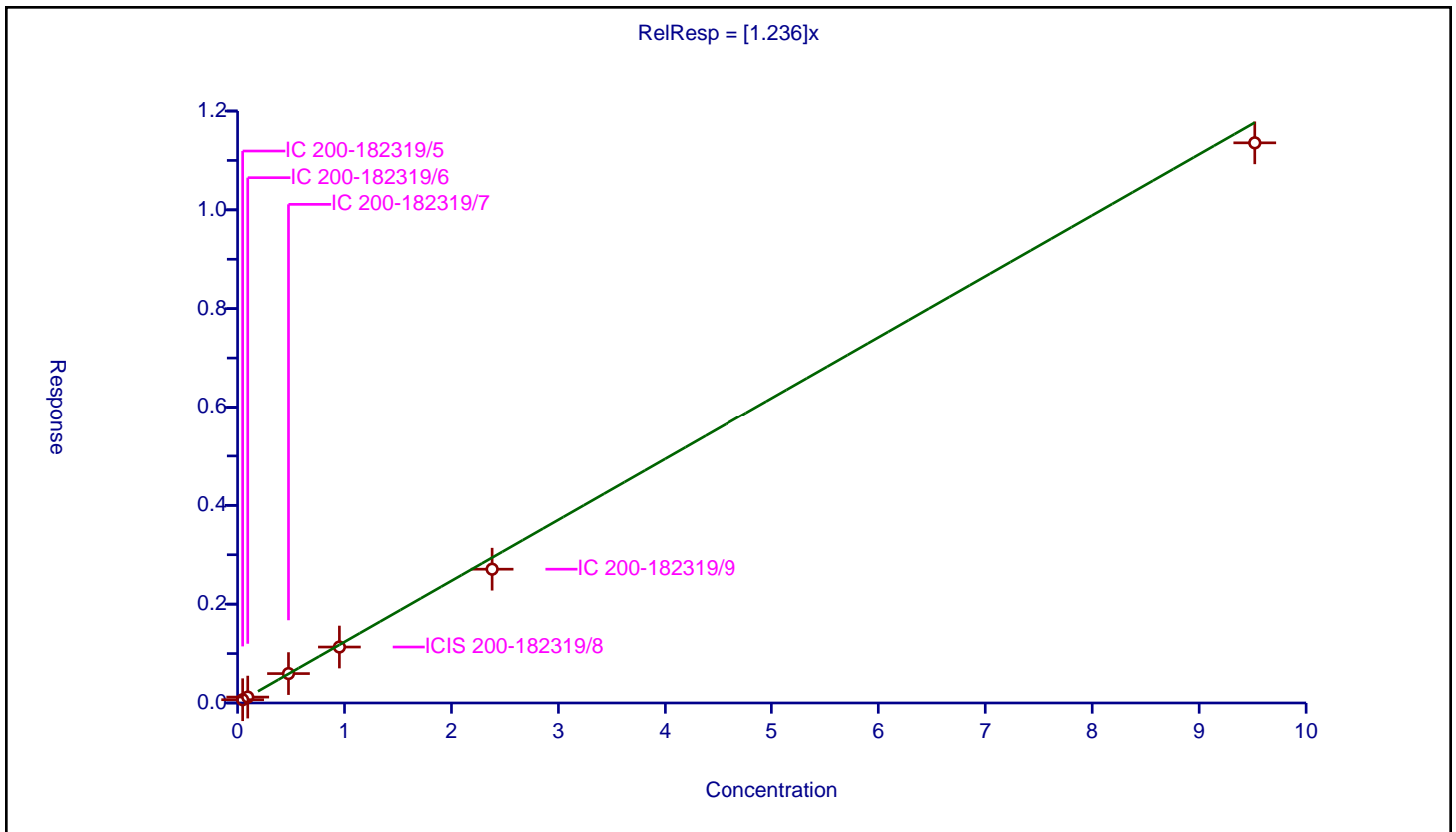
/ Perfluoroheptanesulfonic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.236

Error Coefficients	
Standard Error:	3610000
Relative Standard Error:	7.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0476	0.066325	1.195	814976.0	1.393386	Y
2	IC 200-182319/6	0.0952	0.11927	1.195	840757.0	1.252838	Y
3	IC 200-182319/7	0.476	0.594752	1.195	804391.0	1.24948	Y
4	ICIS 200-182319/8	0.952	1.132626	1.195	867294.0	1.189733	Y
5	IC 200-182319/9	2.38	2.707927	1.195	824732.0	1.137784	Y
6	IC 200-182319/10	9.52	11.35592	1.195	821046.0	1.192849	Y



Calibration

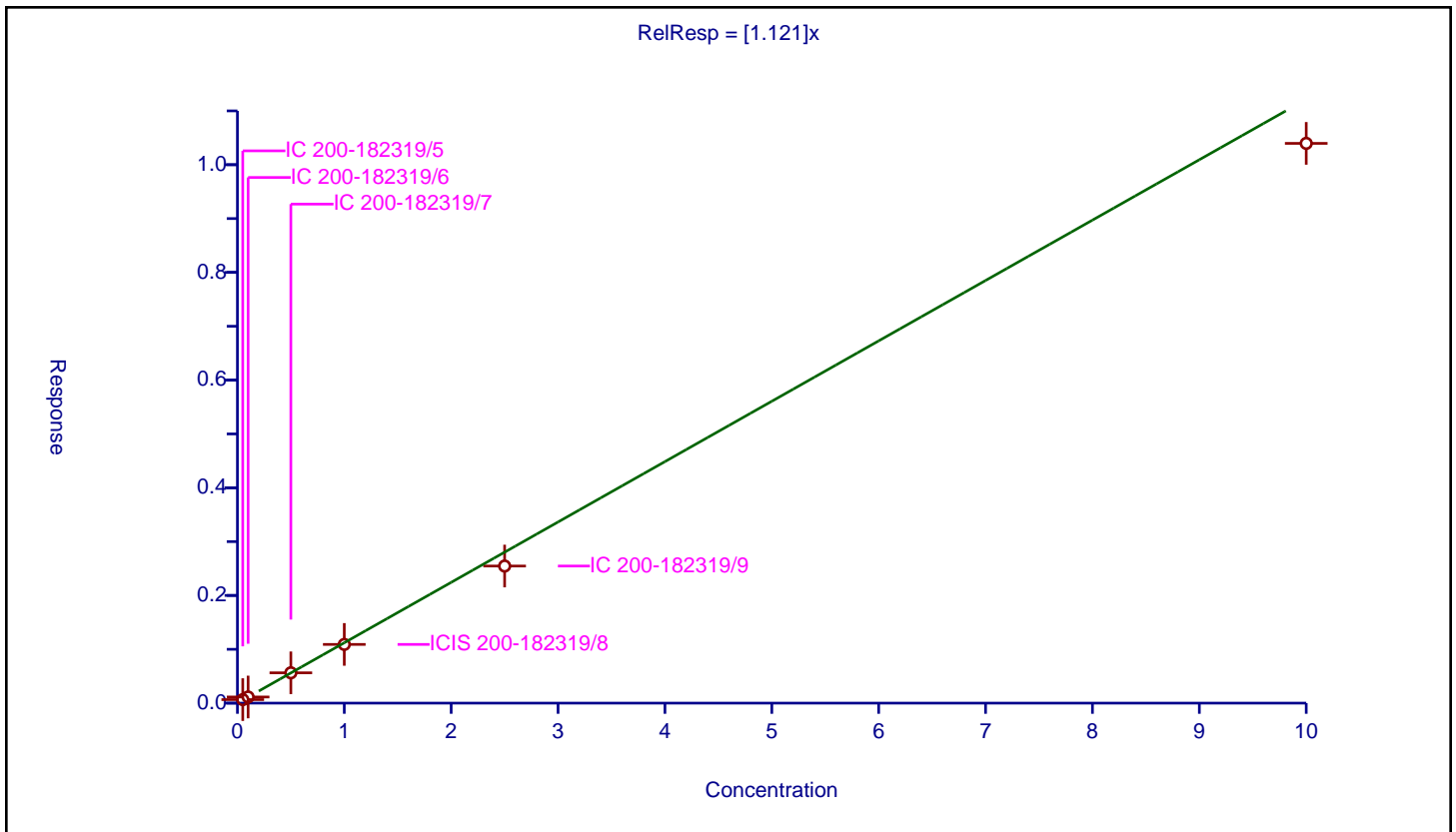
/ Perfluorooctanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.121

Error Coefficients	
Standard Error:	5730000
Relative Standard Error:	9.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.065553	1.25	1484438.0	1.311052	Y
2	IC 200-182319/6	0.1	0.114208	1.25	1549546.0	1.142076	Y
3	IC 200-182319/7	0.5	0.563331	1.25	1470428.0	1.126662	Y
4	ICIS 200-182319/8	1.0	1.090494	1.25	1613787.0	1.090494	Y
5	IC 200-182319/9	2.5	2.546176	1.25	1484954.0	1.01847	Y
6	IC 200-182319/10	10.0	10.396368	1.25	1483901.0	1.039637	Y



Calibration

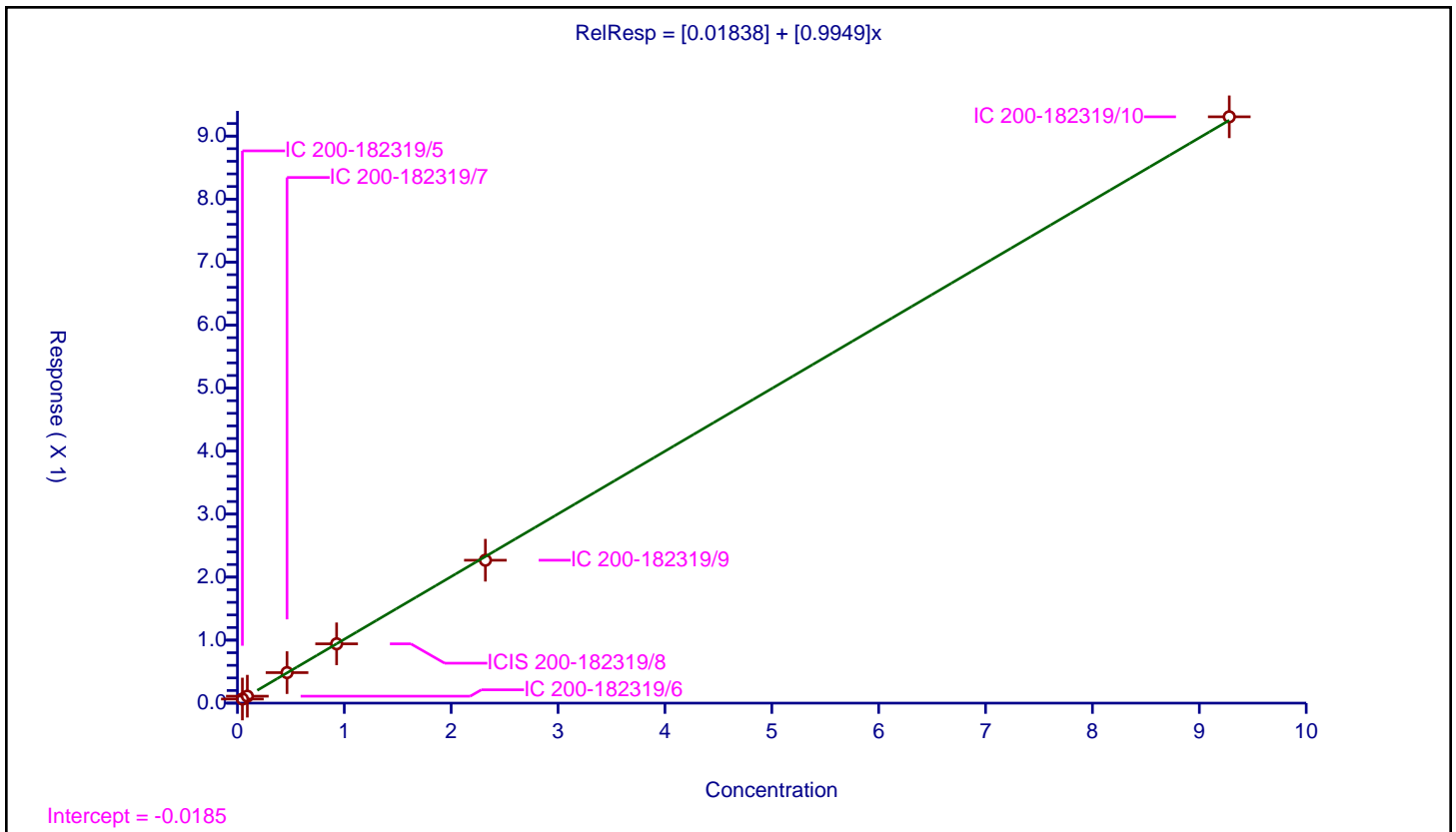
/ Perfluorooctanesulfonic acid

Curve Type: Linear
 Weighting: Conc
 Origin: None
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0.01838
Slope:	0.9949

Error Coefficients	
Standard Error:	3310000
Relative Standard Error:	1.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0464	0.065258	1.195	814976.0	1.406416	Y
2	IC 200-182319/6	0.0928	0.110269	1.195	840757.0	1.188242	Y
3	IC 200-182319/7	0.464	0.484379	1.195	804391.0	1.043919	Y
4	ICIS 200-182319/8	0.928	0.941134	1.195	867294.0	1.014153	Y
5	IC 200-182319/9	2.32	2.268101	1.195	824732.0	0.97763	Y
6	IC 200-182319/10	9.28	9.305971	1.195	821046.0	1.002799	Y



Calibration

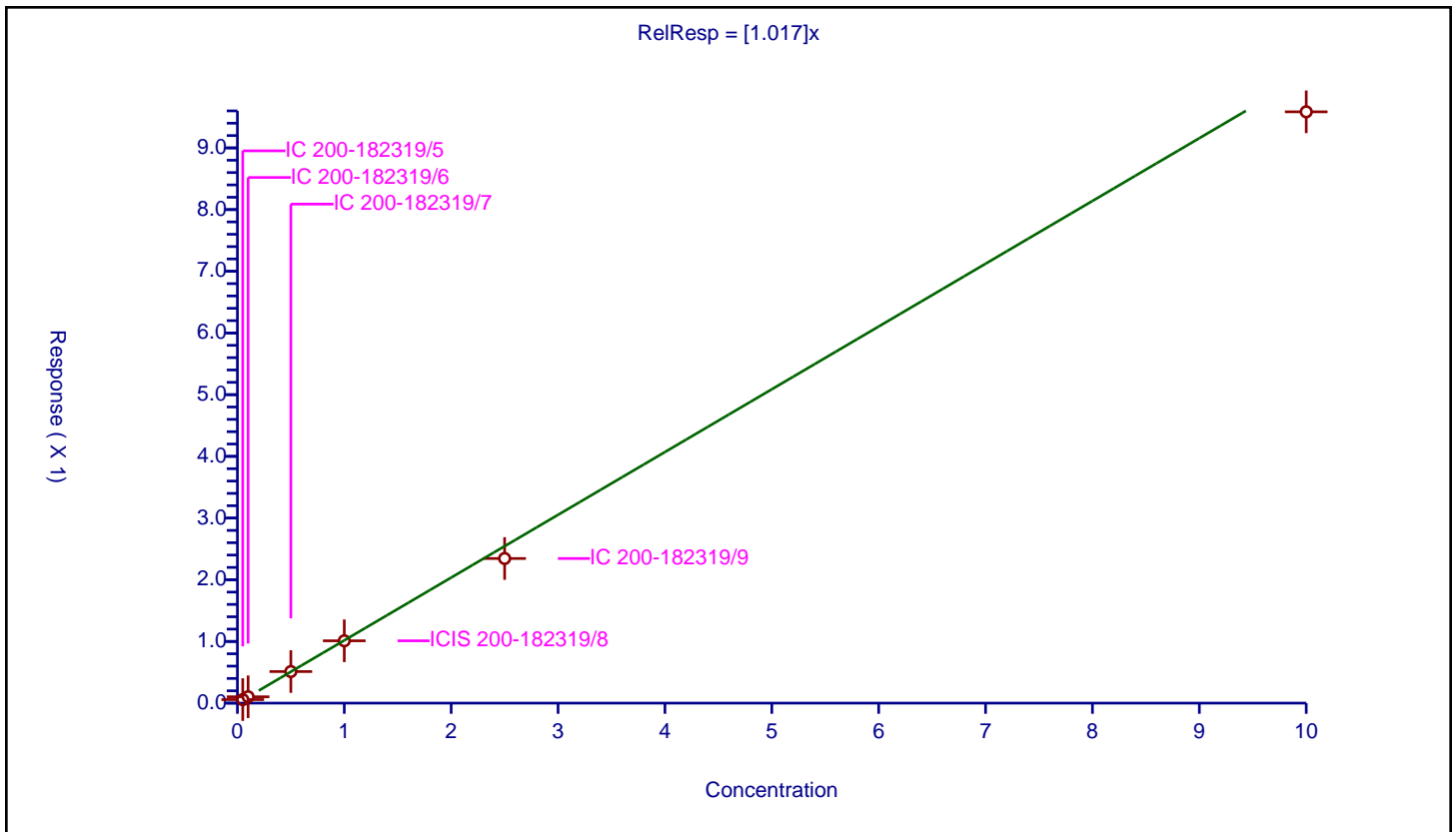
/ Perfluorononanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.017

Error Coefficients	
Standard Error:	5310000
Relative Standard Error:	7.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.057229	1.25	1565872.0	1.144586	Y
2	IC 200-182319/6	0.1	0.103005	1.25	1602191.0	1.03005	Y
3	IC 200-182319/7	0.5	0.511784	1.25	1491888.0	1.023567	Y
4	ICIS 200-182319/8	1.0	1.010464	1.25	1743026.0	1.010464	Y
5	IC 200-182319/9	2.5	2.344456	1.25	1550788.0	0.937783	Y
6	IC 200-182319/10	10.0	9.584917	1.25	1487561.0	0.958492	Y



Calibration

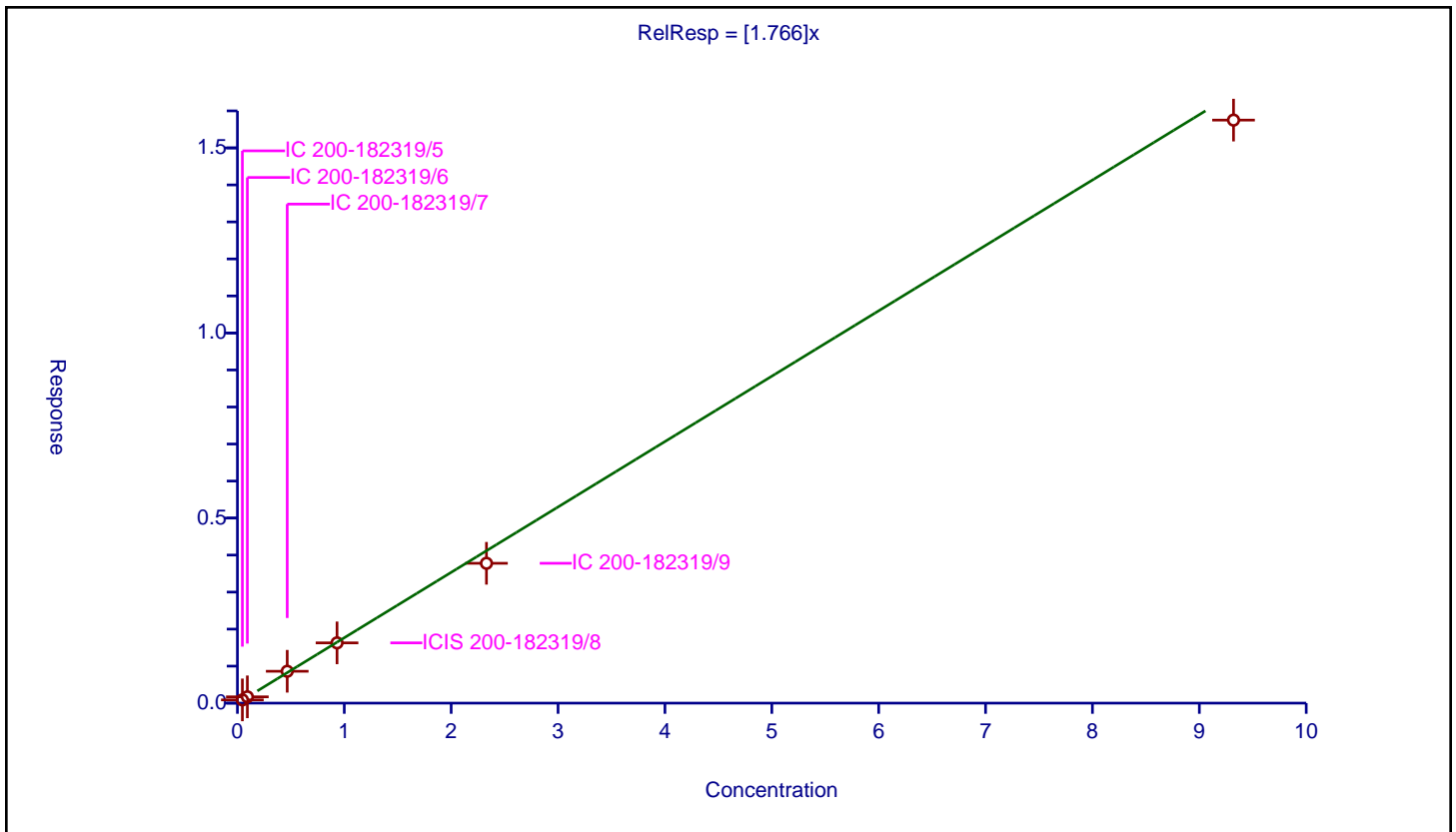
/ 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.766

Error Coefficients	
Standard Error:	5010000
Relative Standard Error:	5.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0466	0.087154	1.195	814976.0	1.870257	Y
2	IC 200-182319/6	0.0932	0.169937	1.195	840757.0	1.823354	Y
3	IC 200-182319/7	0.466	0.860754	1.195	804391.0	1.847112	Y
4	ICIS 200-182319/8	0.932	1.628084	1.195	867294.0	1.746871	Y
5	IC 200-182319/9	2.33	3.777759	1.195	824732.0	1.621356	Y
6	IC 200-182319/10	9.32	15.751201	1.195	821046.0	1.690043	Y



Calibration

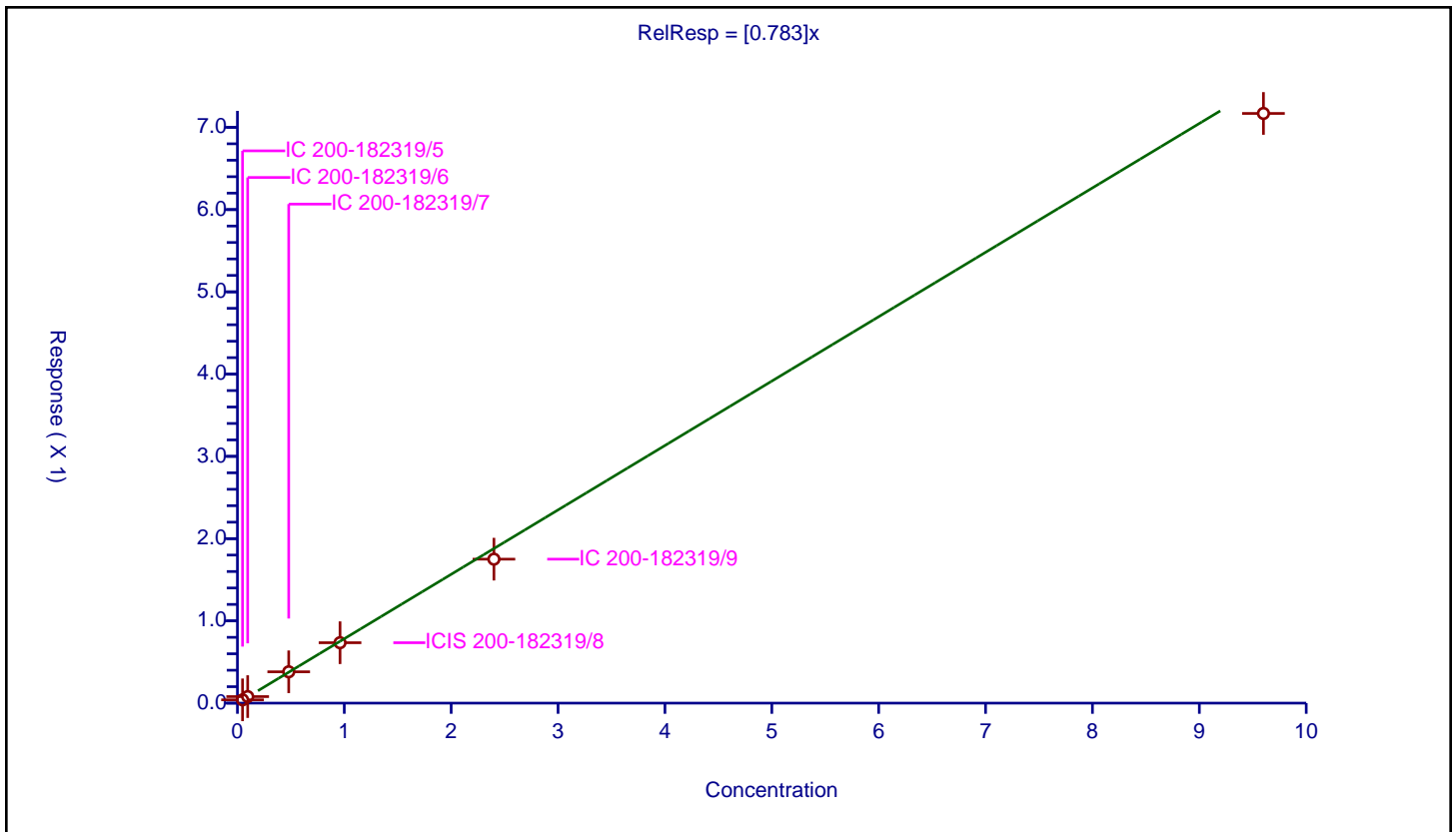
/ Perfluorononanesulfonic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.783

Error Coefficients	
Standard Error:	2280000
Relative Standard Error:	5.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.048	0.040043	1.195	814976.0	0.834234	Y
2	IC 200-182319/6	0.096	0.079567	1.195	840757.0	0.828818	Y
3	IC 200-182319/7	0.48	0.380935	1.195	804391.0	0.793615	Y
4	ICIS 200-182319/8	0.96	0.734567	1.195	867294.0	0.765174	Y
5	IC 200-182319/9	2.4	1.75015	1.195	824732.0	0.729229	Y
6	IC 200-182319/10	9.6	7.169071	1.195	821046.0	0.746778	Y



Calibration

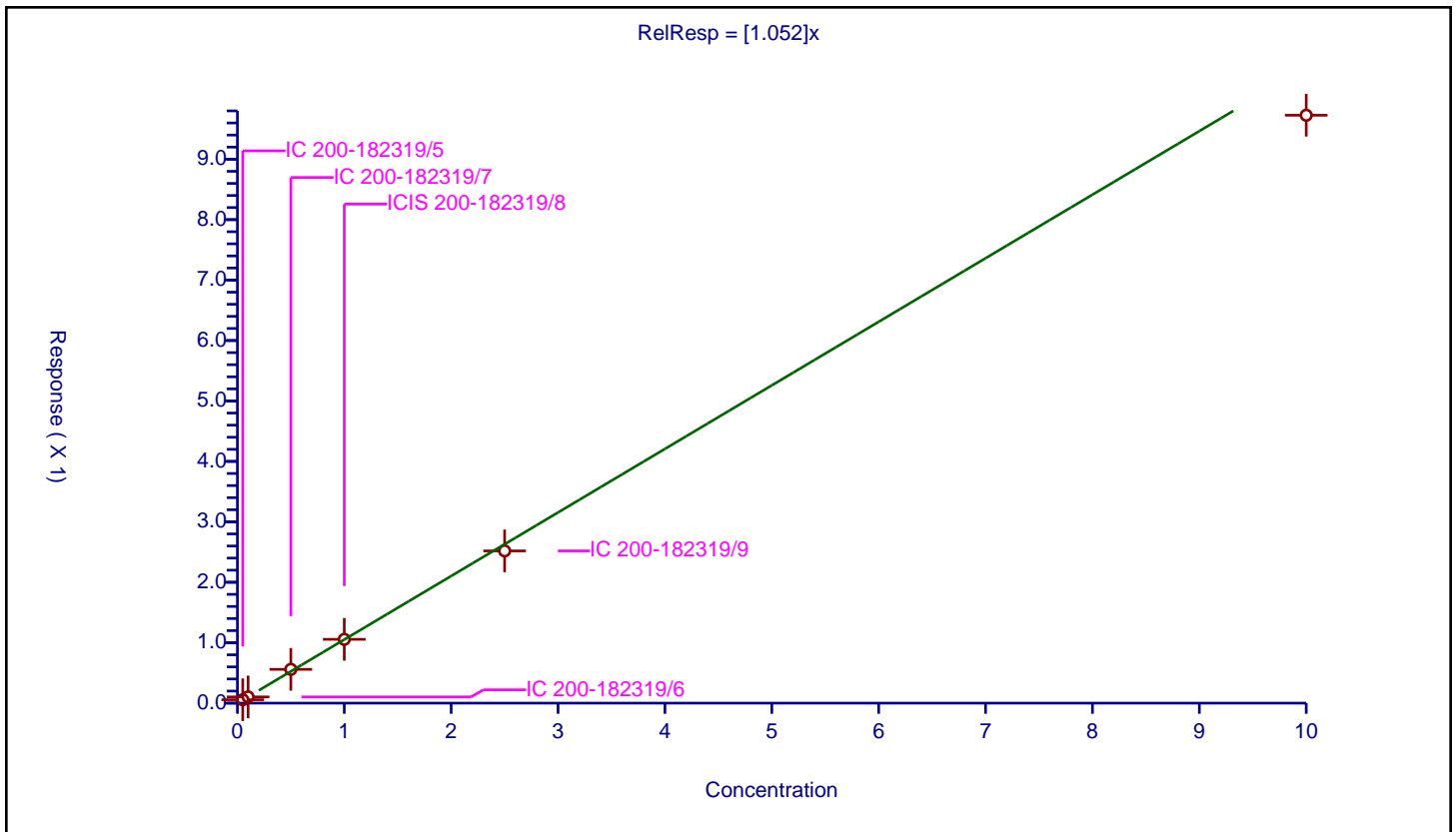
/ Perfluorodecanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.052

Error Coefficients	
Standard Error:	5360000
Relative Standard Error:	5.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.056353	1.25	1472294.0	1.127051	Y
2	IC 200-182319/6	0.1	0.102939	1.25	1591995.0	1.029392	Y
3	IC 200-182319/7	0.5	0.558835	1.25	1496707.0	1.11767	Y
4	ICIS 200-182319/8	1.0	1.055735	1.25	1674653.0	1.055735	Y
5	IC 200-182319/9	2.5	2.518868	1.25	1471206.0	1.007547	Y
6	IC 200-182319/10	10.0	9.727934	1.25	1479189.0	0.972793	Y



Calibration

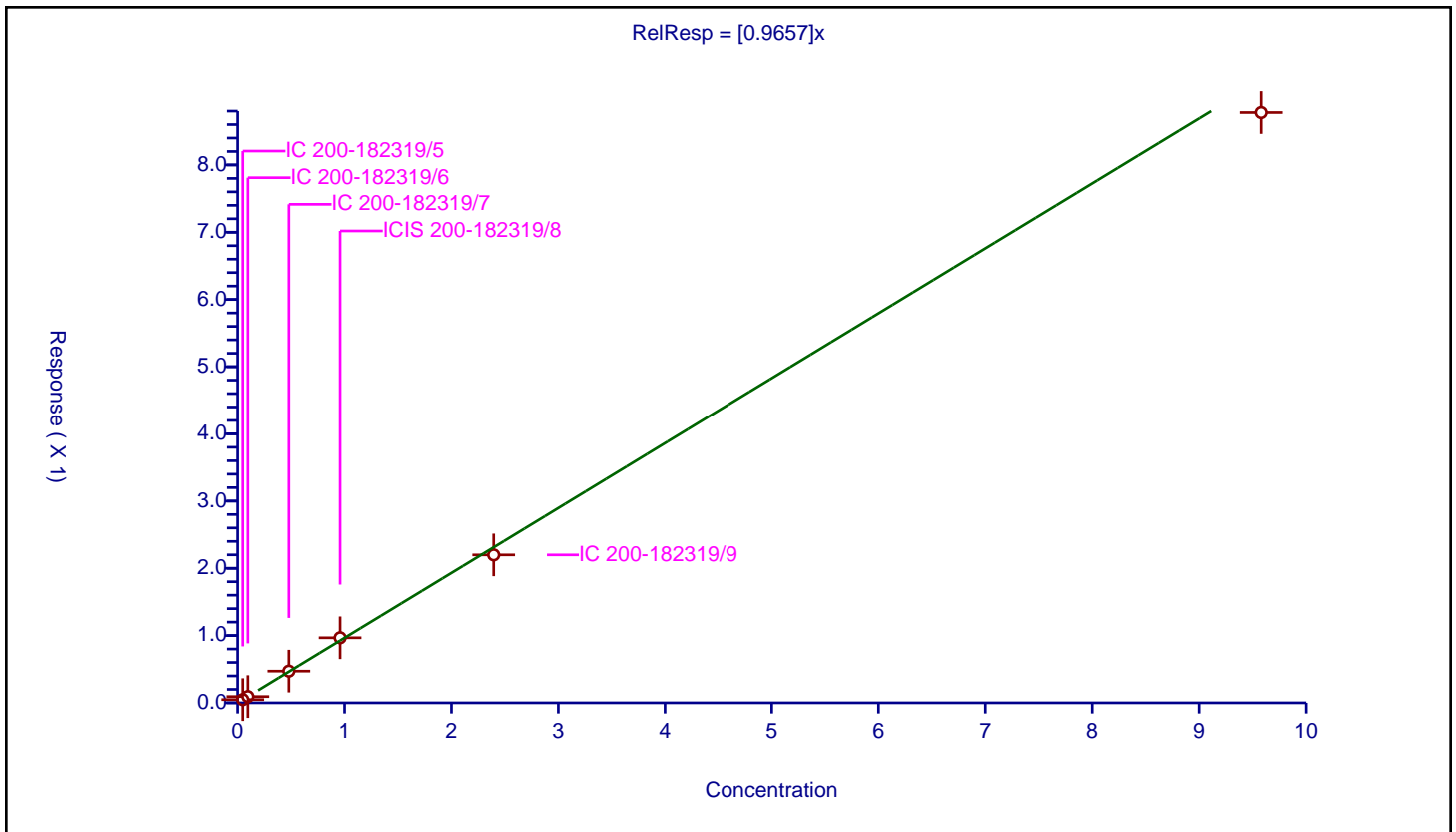
/ 1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.9657

Error Coefficients	
Standard Error:	755000
Relative Standard Error:	4.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0479	0.047773	1.1975	230513.0	0.997341	Y
2	IC 200-182319/6	0.0958	0.092816	1.1975	221797.0	0.968848	Y
3	IC 200-182319/7	0.479	0.471193	1.1975	212018.0	0.983702	Y
4	ICIS 200-182319/8	0.958	0.96708	1.1975	240555.0	1.009478	Y
5	IC 200-182319/9	2.395	2.199187	1.1975	217682.0	0.918241	Y
6	IC 200-182319/10	9.58	8.778809	1.1975	221709.0	0.916368	Y



Calibration

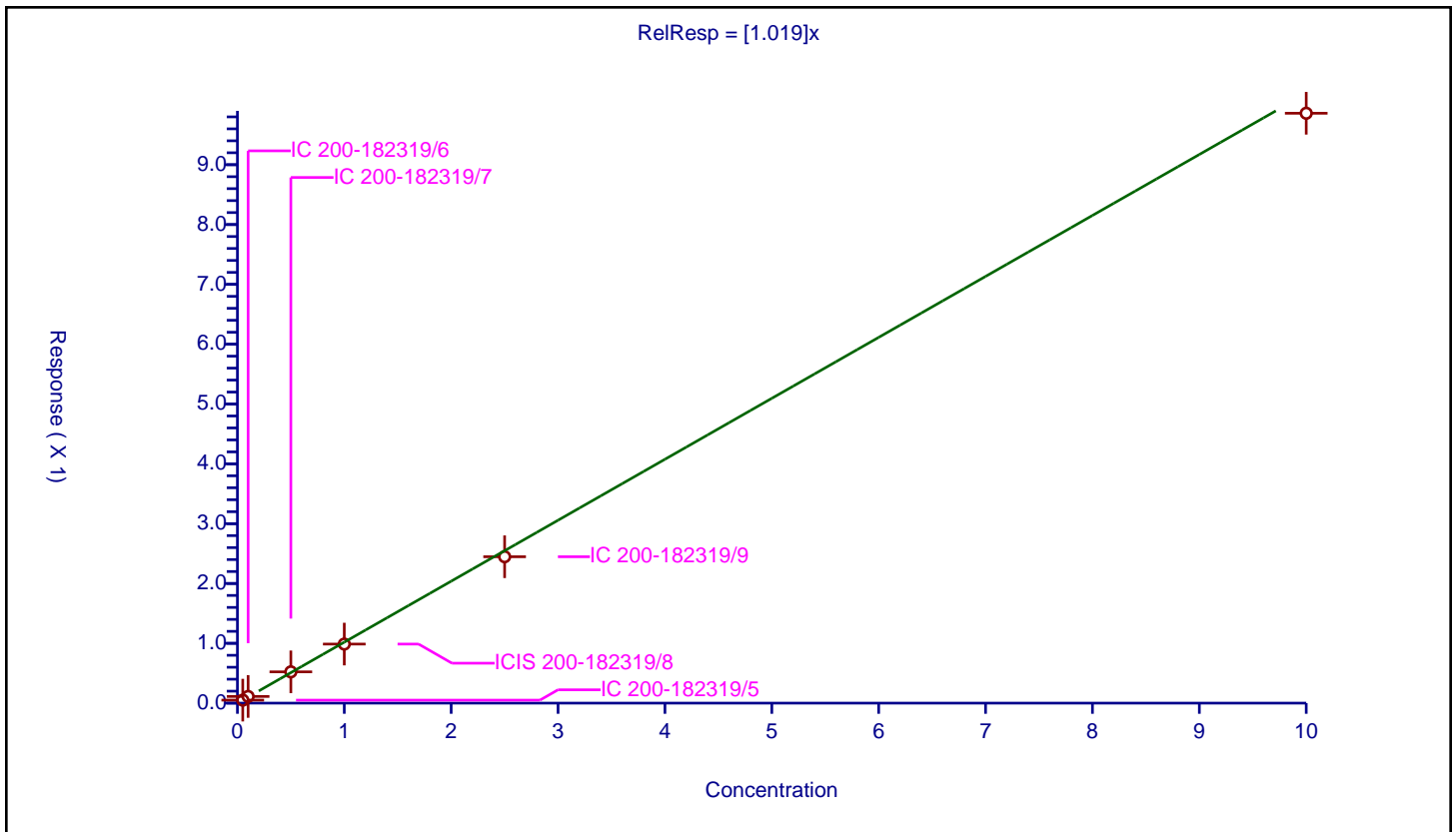
/ Perfluorooctanesulfonamide

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.019

Error Coefficients	
Standard Error:	4730000
Relative Standard Error:	5.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.050124	1.25	1351035.0	1.002472	Y
2	IC 200-182319/6	0.1	0.111322	1.25	1346274.0	1.113221	Y
3	IC 200-182319/7	0.5	0.523051	1.25	1341161.0	1.046103	Y
4	ICIS 200-182319/8	1.0	0.987356	1.25	1386621.0	0.987356	Y
5	IC 200-182319/9	2.5	2.447205	1.25	1316398.0	0.978882	Y
6	IC 200-182319/10	10.0	9.860169	1.25	1290314.0	0.986017	Y



Calibration

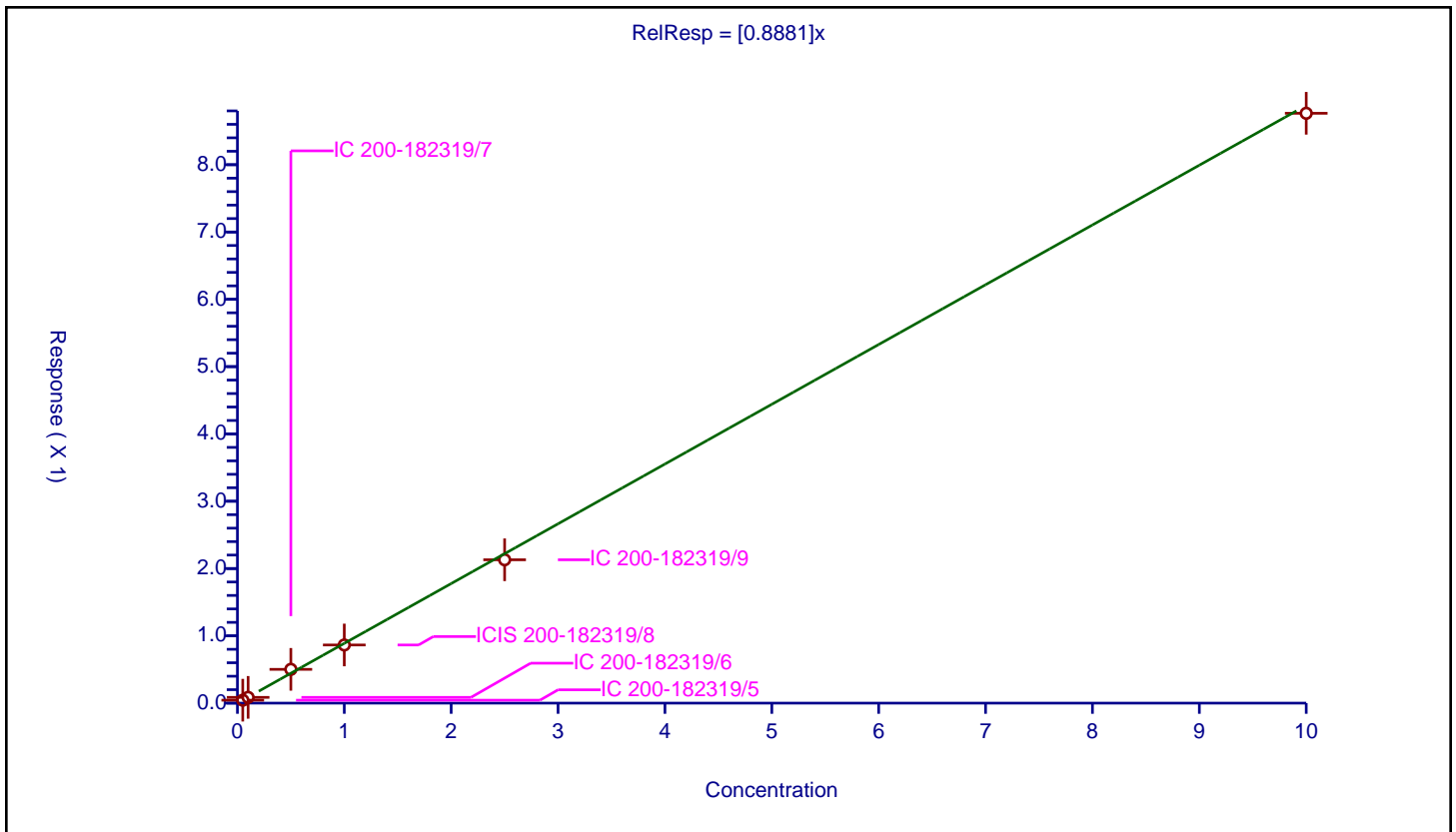
/ N-methylperfluorooctanesulfonamidoacetic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.8881

Error Coefficients	
Standard Error:	676000
Relative Standard Error:	6.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.043851	1.25	199141.0	0.877017	Y
2	IC 200-182319/6	0.1	0.085513	1.25	200758.0	0.855134	Y
3	IC 200-182319/7	0.5	0.501849	1.25	194324.0	1.003697	Y
4	ICIS 200-182319/8	1.0	0.864294	1.25	222702.0	0.864294	Y
5	IC 200-182319/9	2.5	2.130228	1.25	205583.0	0.852091	Y
6	IC 200-182319/10	10.0	8.764336	1.25	208390.0	0.876434	Y



Calibration

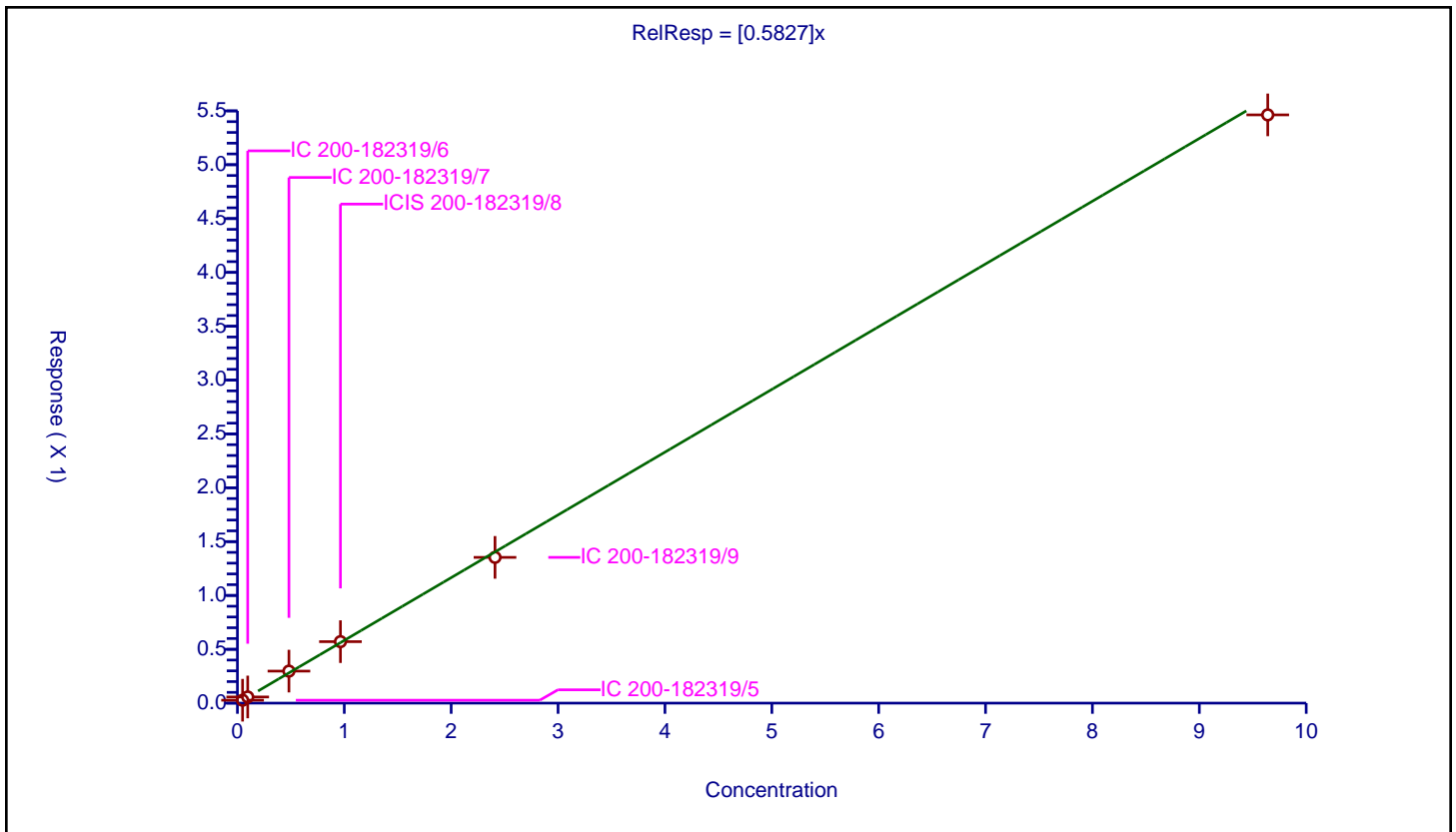
/ Perfluorodecanesulfonic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.5827

Error Coefficients	
Standard Error:	1740000
Relative Standard Error:	3.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0482	0.027128	1.195	814976.0	0.562822	Y
2	IC 200-182319/6	0.0964	0.057378	1.195	840757.0	0.595207	Y
3	IC 200-182319/7	0.482	0.297464	1.195	804391.0	0.617145	Y
4	ICIS 200-182319/8	0.964	0.571076	1.195	867294.0	0.592402	Y
5	IC 200-182319/9	2.41	1.353617	1.195	824732.0	0.561667	Y
6	IC 200-182319/10	9.64	5.462847	1.195	821046.0	0.566685	Y



Calibration

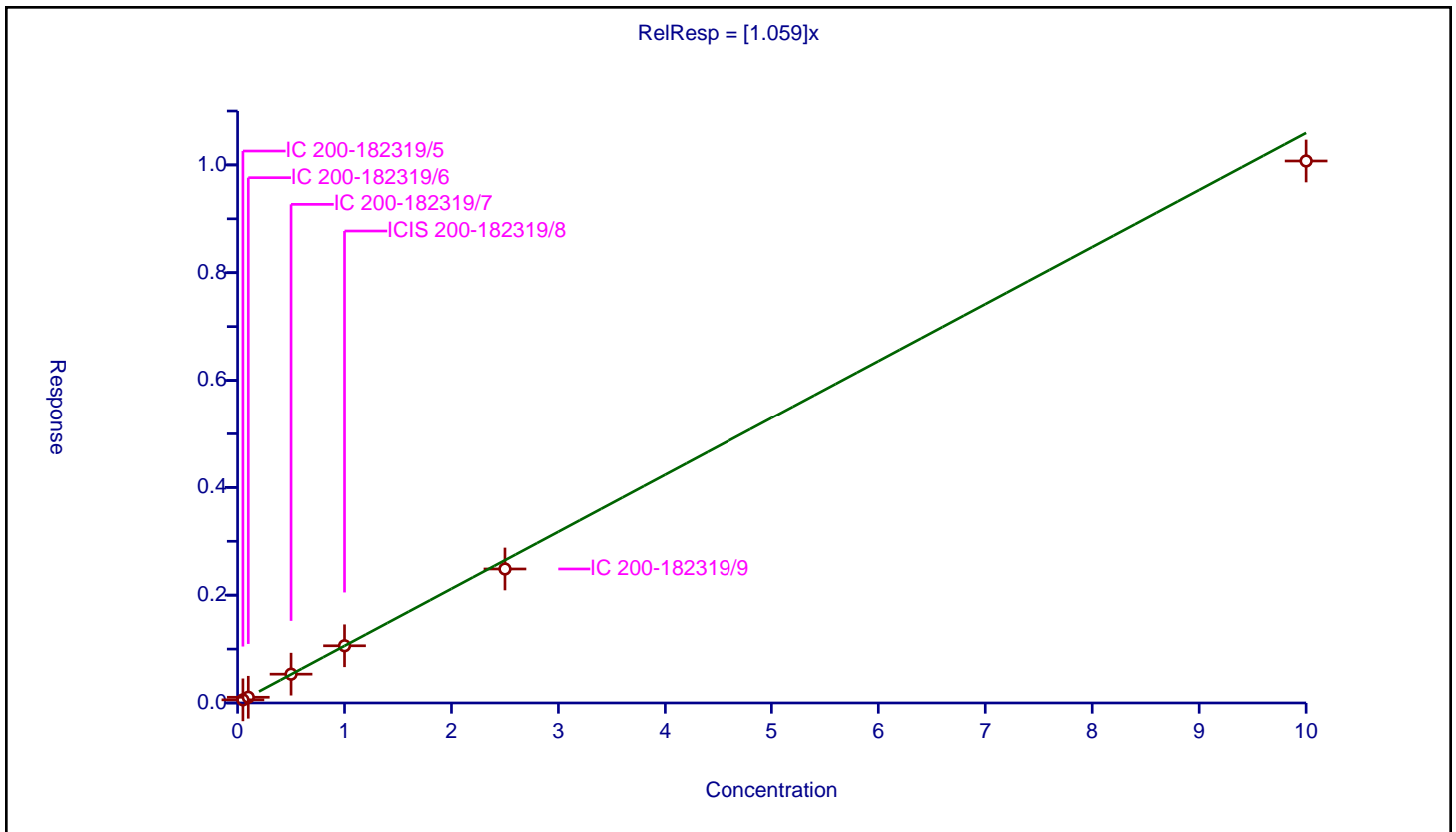
/ Perfluoroundecanoic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.059

Error Coefficients	
Standard Error:	4120000
Relative Standard Error:	5.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.058277	1.25	1125897.0	1.165537	Y
2	IC 200-182319/6	0.1	0.105945	1.25	1204305.0	1.059449	Y
3	IC 200-182319/7	0.5	0.534284	1.25	1177558.0	1.068567	Y
4	ICIS 200-182319/8	1.0	1.061366	1.25	1185895.0	1.061366	Y
5	IC 200-182319/9	2.5	2.485995	1.25	1162923.0	0.994398	Y
6	IC 200-182319/10	10.0	10.073103	1.25	1097436.0	1.00731	Y



Calibration

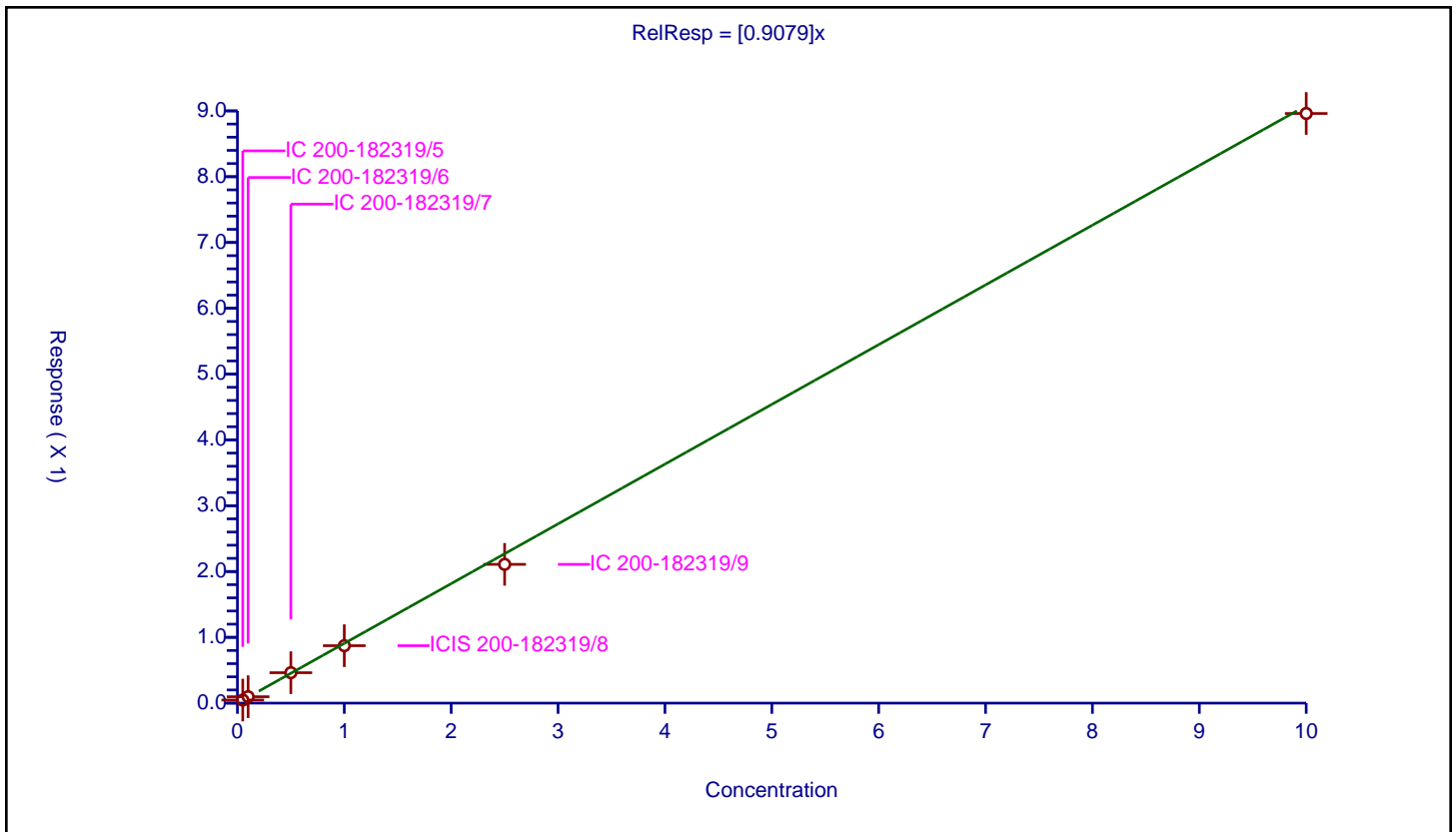
/ N-ethylperfluorooctanesulfonamidoacetic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.9079

Error Coefficients	
Standard Error:	611000
Relative Standard Error:	5.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.046803	1.25	194163.0	0.936069	Y
2	IC 200-182319/6	0.1	0.097407	1.25	191350.0	0.974066	Y
3	IC 200-182319/7	0.5	0.46255	1.25	194014.0	0.925101	Y
4	ICIS 200-182319/8	1.0	0.872636	1.25	206475.0	0.872636	Y
5	IC 200-182319/9	2.5	2.108856	1.25	195385.0	0.843542	Y
6	IC 200-182319/10	10.0	8.960818	1.25	183559.0	0.896082	Y



Calibration

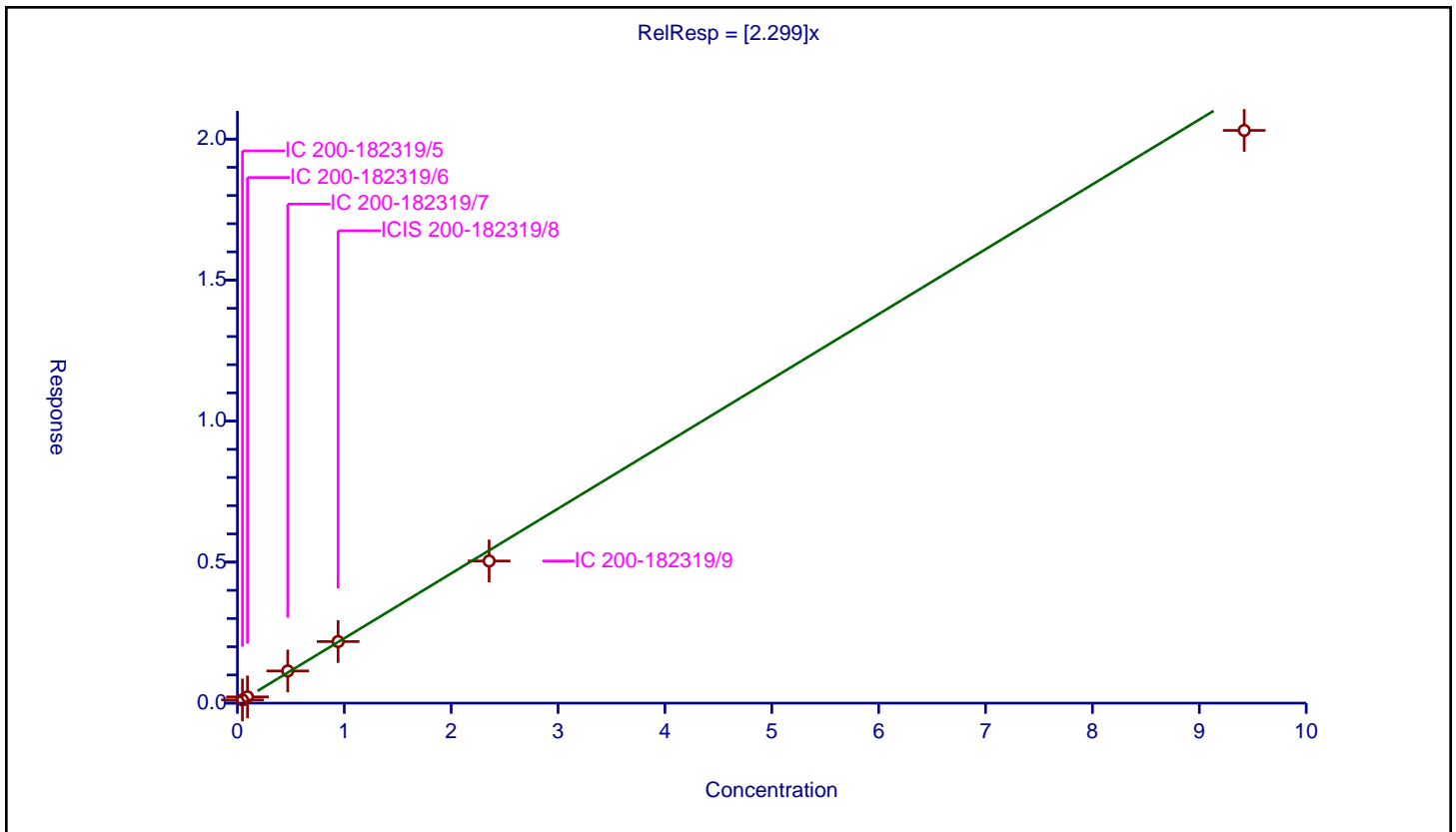
/ 11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	2.299

Error Coefficients	
Standard Error:	6480000
Relative Standard Error:	5.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0471	0.113603	1.195	814976.0	2.411956	Y
2	IC 200-182319/6	0.0942	0.221022	1.195	840757.0	2.346309	Y
3	IC 200-182319/7	0.471	1.141594	1.195	804391.0	2.423767	Y
4	ICIS 200-182319/8	0.942	2.18289	1.195	867294.0	2.317293	Y
5	IC 200-182319/9	2.355	5.03967	1.195	824732.0	2.139987	Y
6	IC 200-182319/10	9.42	20.307739	1.195	821046.0	2.155811	Y



Calibration

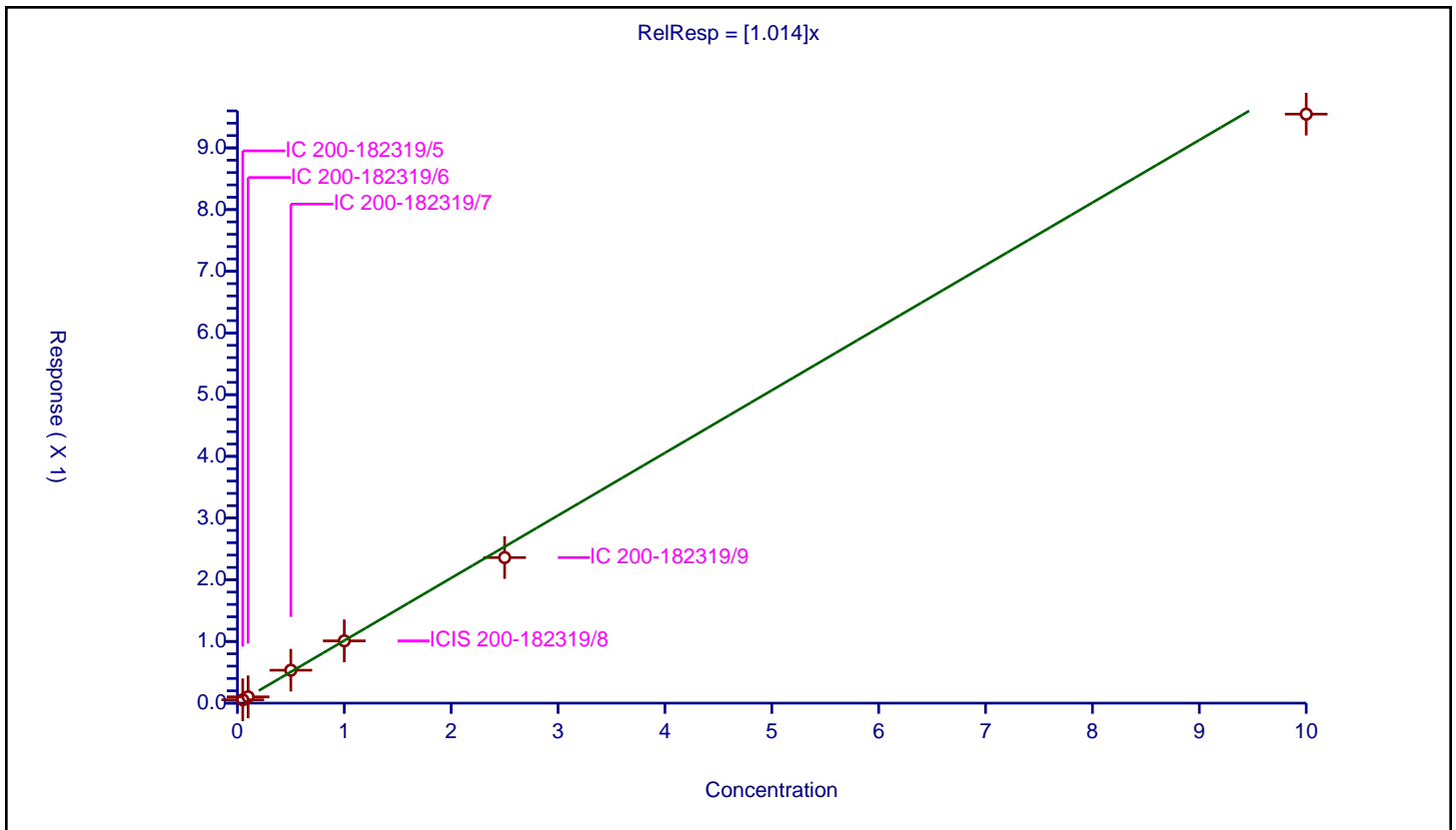
/ Perfluorododecanoic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	1.014

Error Coefficients	
Standard Error:	4280000
Relative Standard Error:	5.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.054303	1.25	1154380.0	1.086059	Y
2	IC 200-182319/6	0.1	0.102271	1.25	1231772.0	1.022714	Y
3	IC 200-182319/7	0.5	0.533883	1.25	1166932.0	1.067766	Y
4	ICIS 200-182319/8	1.0	1.009678	1.25	1247905.0	1.009678	Y
5	IC 200-182319/9	2.5	2.359589	1.25	1195679.0	0.943836	Y
6	IC 200-182319/10	10.0	9.547408	1.25	1209177.0	0.954741	Y



Calibration

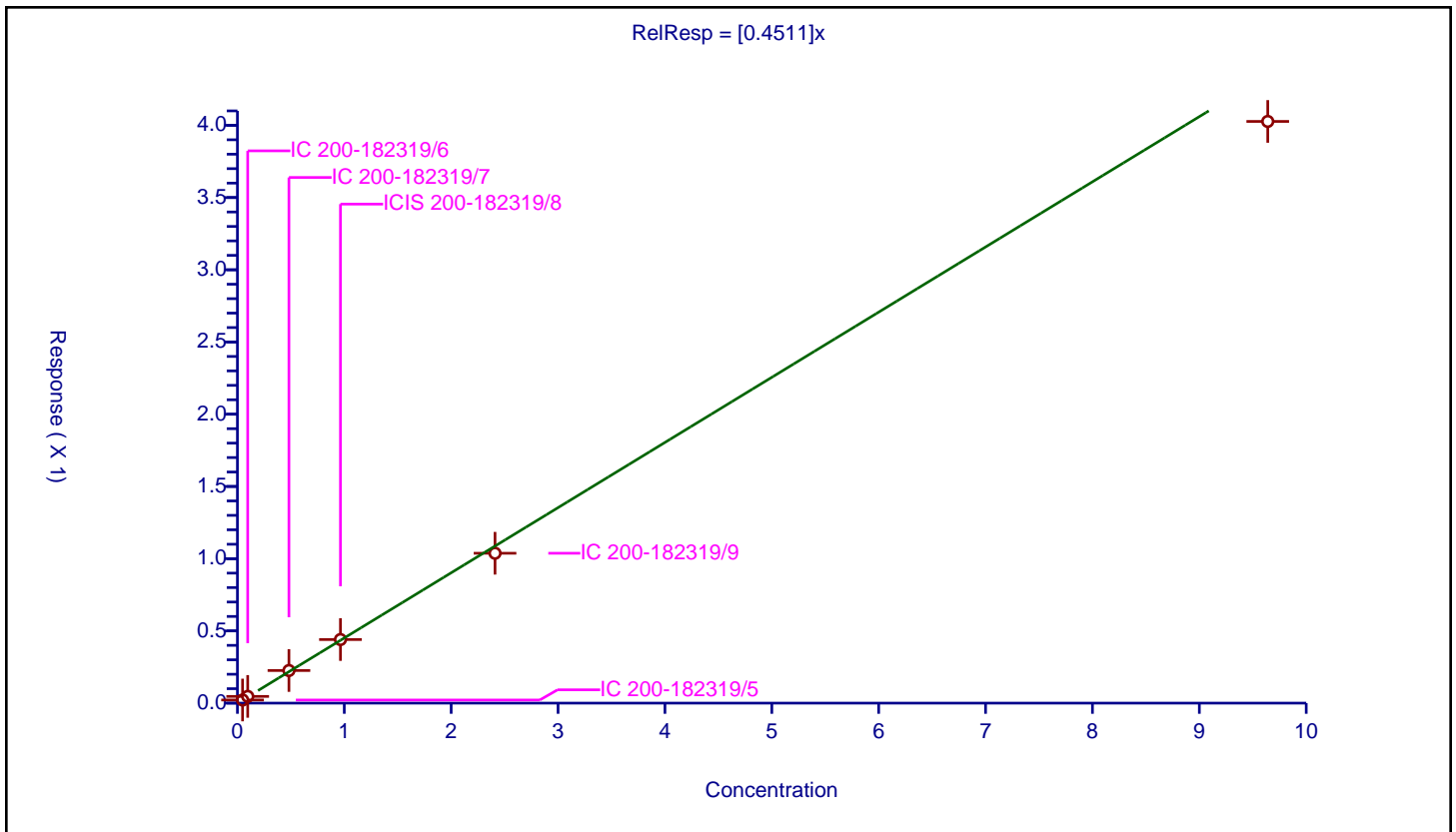
/ 1H,1H,2H,2H-perfluorododecanesulfonic acid (10:2)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.4511

Error Coefficients	
Standard Error:	347000
Relative Standard Error:	5.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0482	0.021673	1.1975	230513.0	0.449653	Y
2	IC 200-182319/6	0.0964	0.046643	1.1975	221797.0	0.483845	Y
3	IC 200-182319/7	0.482	0.225743	1.1975	212018.0	0.468347	Y
4	ICIS 200-182319/8	0.964	0.440201	1.1975	240555.0	0.45664	Y
5	IC 200-182319/9	2.41	1.037659	1.1975	217682.0	0.430564	Y
6	IC 200-182319/10	9.64	4.026991	1.1975	221709.0	0.417738	Y



Calibration

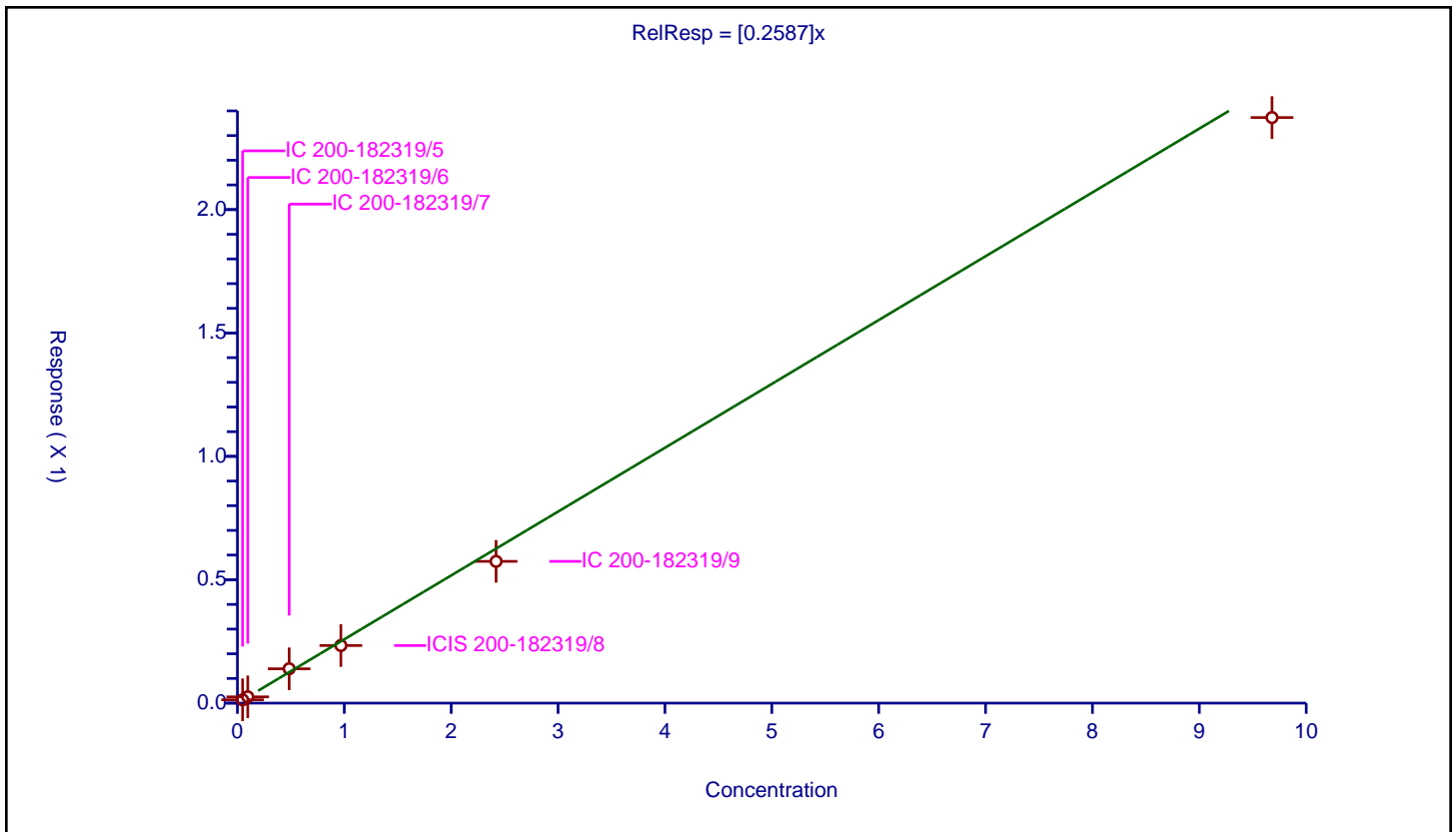
/ Perfluorododecanesulfonic acid (PFDoS)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.2587

Error Coefficients	
Standard Error:	755000
Relative Standard Error:	8.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0484	0.013484	1.195	814976.0	0.278597	Y
2	IC 200-182319/6	0.0968	0.025394	1.195	840757.0	0.262331	Y
3	IC 200-182319/7	0.484	0.139218	1.195	804391.0	0.287641	Y
4	ICIS 200-182319/8	0.968	0.233395	1.195	867294.0	0.241111	Y
5	IC 200-182319/9	2.42	0.574418	1.195	824732.0	0.237363	Y
6	IC 200-182319/10	9.68	2.373044	1.195	821046.0	0.245149	Y



Calibration

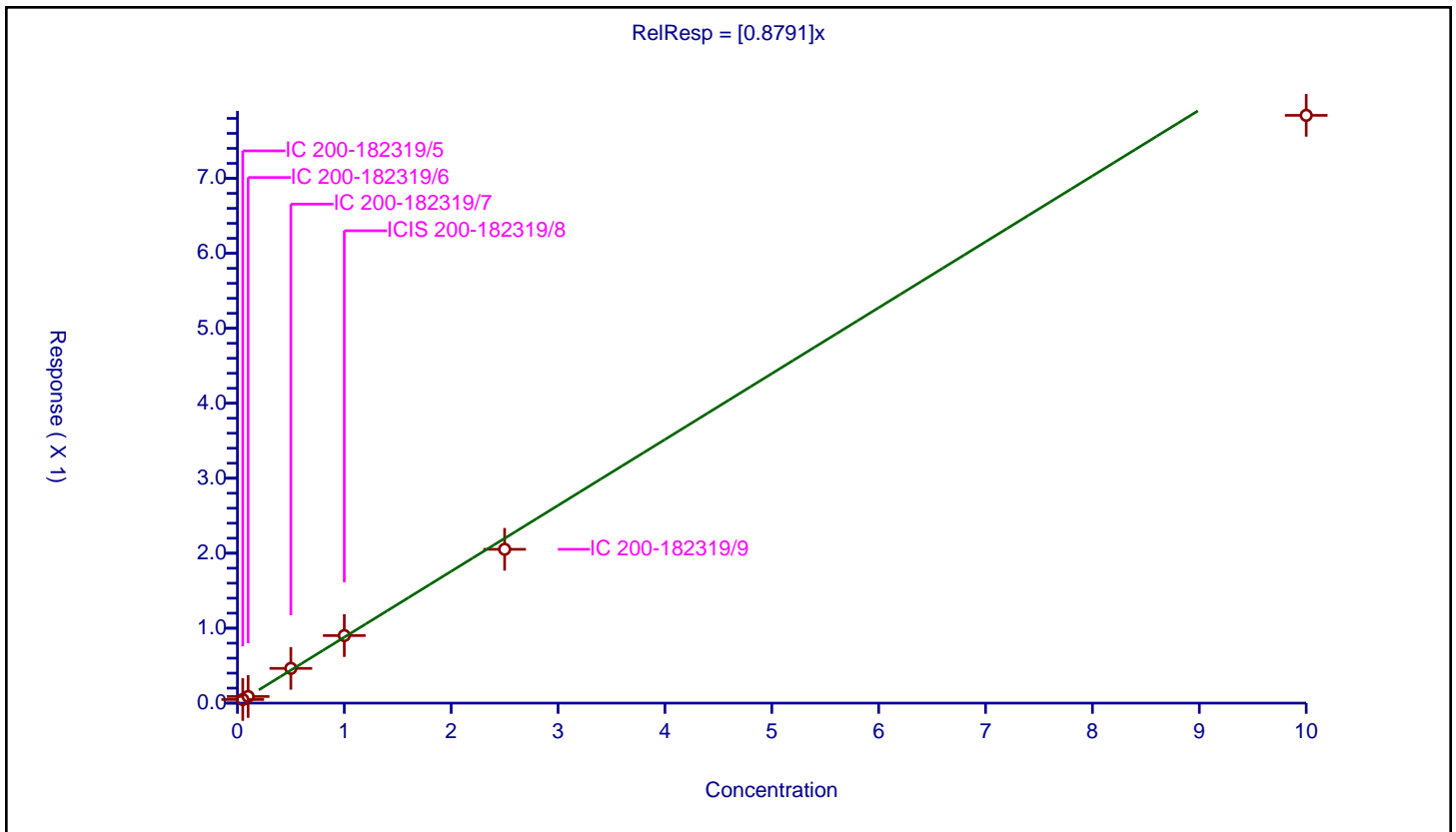
/ Perfluorotridecanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.8791

Error Coefficients	
Standard Error:	3530000
Relative Standard Error:	7.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.048004	1.25	1154380.0	0.960082	Y
2	IC 200-182319/6	0.1	0.088153	1.25	1231772.0	0.881535	Y
3	IC 200-182319/7	0.5	0.463621	1.25	1166932.0	0.927241	Y
4	ICIS 200-182319/8	1.0	0.901039	1.25	1247905.0	0.901039	Y
5	IC 200-182319/9	2.5	2.051871	1.25	1195679.0	0.820748	Y
6	IC 200-182319/10	10.0	7.840546	1.25	1209177.0	0.784055	Y



Calibration

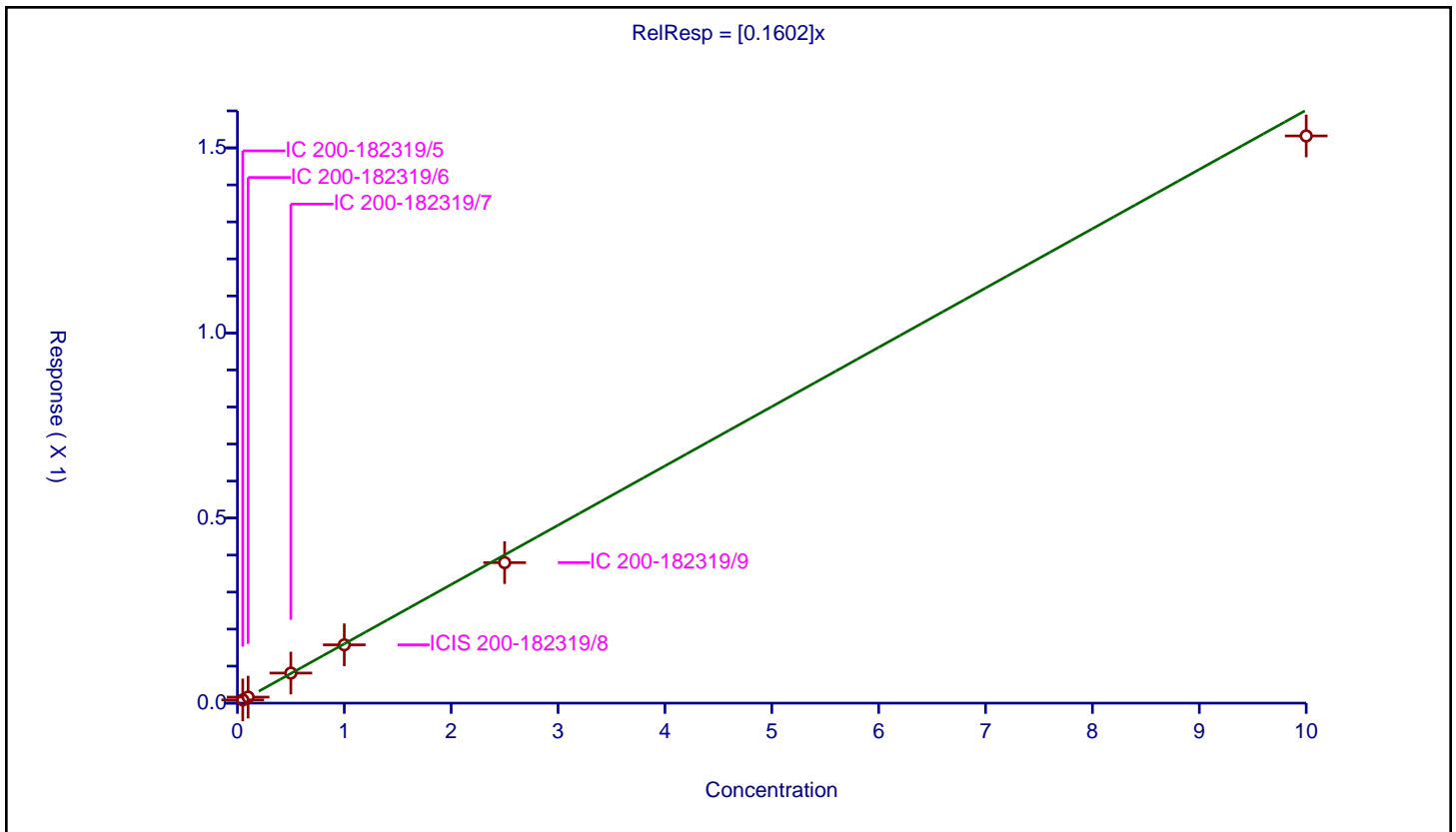
/ Perfluorotetradecanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.1602

Error Coefficients	
Standard Error:	541000
Relative Standard Error:	4.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.008676	1.25	964763.0	0.173514	Y
2	IC 200-182319/6	0.1	0.016268	1.25	974562.0	0.162676	Y
3	IC 200-182319/7	0.5	0.081237	1.25	969884.0	0.162473	Y
4	ICIS 200-182319/8	1.0	0.157542	1.25	1055713.0	0.157542	Y
5	IC 200-182319/9	2.5	0.379591	1.25	979883.0	0.151836	Y
6	IC 200-182319/10	10.0	1.532263	1.25	949490.0	0.153226	Y



Calibration

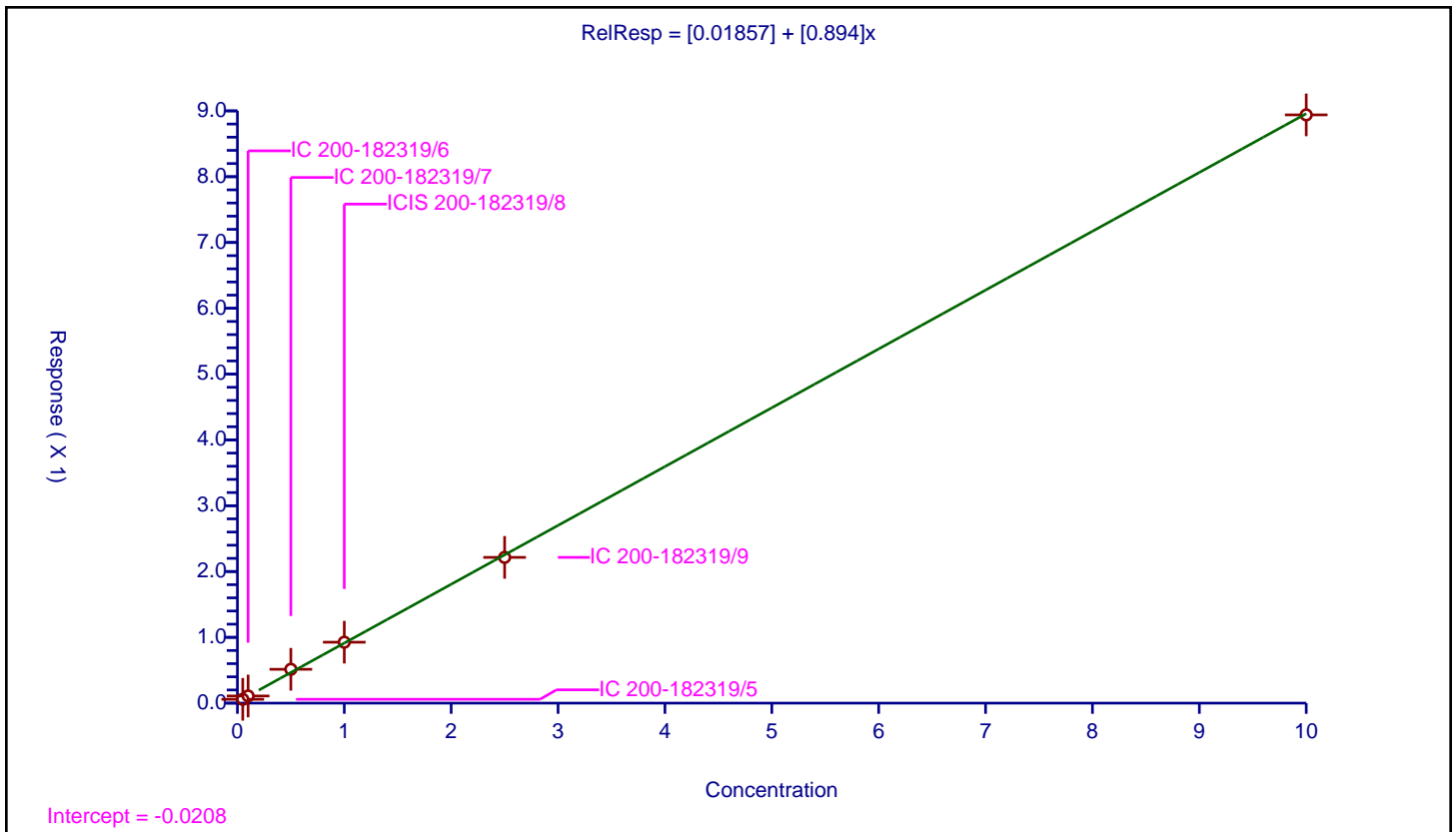
/ Perfluorohexadecanoic acid

Curve Type: Linear
 Weighting: Conc
 Origin: None
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0.01857
Slope:	0.894

Error Coefficients	
Standard Error:	4020000
Relative Standard Error:	7.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.05823	1.25	1128787.0	1.164591	Y
2	IC 200-182319/6	0.1	0.108704	1.25	1136259.0	1.087043	Y
3	IC 200-182319/7	0.5	0.514262	1.25	1043688.0	1.028523	Y
4	ICIS 200-182319/8	1.0	0.926013	1.25	1201939.0	0.926013	Y
5	IC 200-182319/9	2.5	2.21484	1.25	1123333.0	0.885936	Y
6	IC 200-182319/10	10.0	8.939215	1.25	1080090.0	0.893921	Y



Calibration

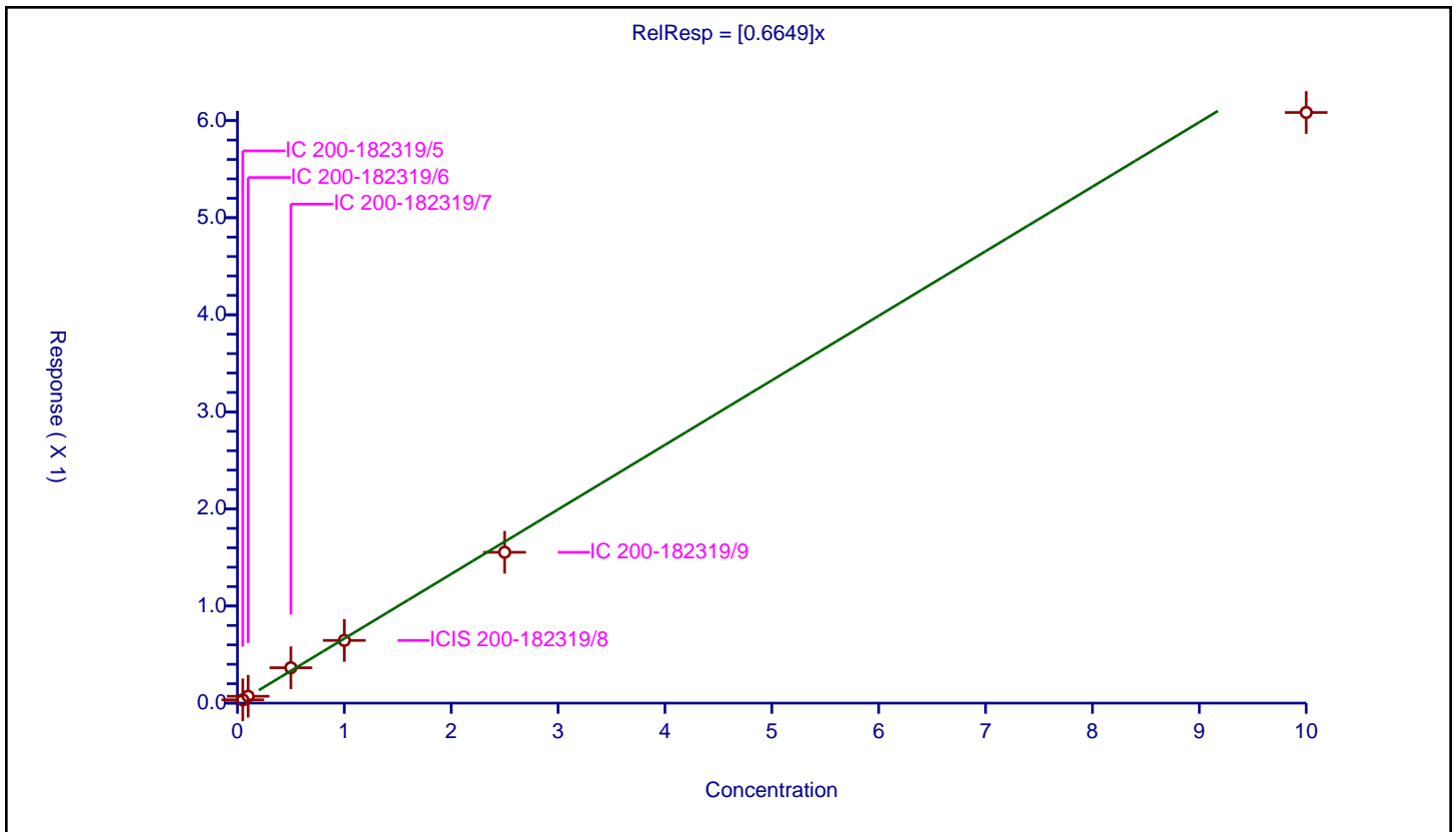
/ Perfluorooctadecanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

Curve Coefficients	
Intercept:	0
Slope:	0.6649

Error Coefficients	
Standard Error:	2450000
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 200-182319/5	0.05	0.033874	1.25	1128787.0	0.677475	Y
2	IC 200-182319/6	0.1	0.0707	1.25	1136259.0	0.707002	Y
3	IC 200-182319/7	0.5	0.364545	1.25	1043688.0	0.72909	Y
4	ICIS 200-182319/8	1.0	0.646	1.25	1201939.0	0.646	Y
5	IC 200-182319/9	2.5	1.553621	1.25	1123333.0	0.621448	Y
6	IC 200-182319/10	10.0	6.083758	1.25	1080090.0	0.608376	Y



FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-264366-1
 SDG No.: _____
 Lab Sample ID: ICV 200-182319/12 Calibration Date: 08/03/2022 13:57
 Instrument ID: LC812 Calib Start Date: 08/03/2022 13:00
 GC Column: C-18 ID: 4.60 (mm) Calib End Date: 08/03/2022 13:41
 Lab File ID: PA220803ICAL12.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	0.9697	0.9460		0.976	1.00	-2.4	30.0
Perfluoropentanoic acid (PFPeA)	AveID	1.031	1.047		1.03	1.01	1.6	30.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.104	1.066		0.965	1.00	-3.5	30.0
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	2.377	2.447		1.03	1.00	3.0	30.0
Perfluorohexanoic acid (PFHxA)	AveID	1.043	1.057		1.02	1.01	1.3	30.0
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.297	1.357		1.05	1.00	4.7	30.0
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.075	1.046		0.983	1.01	-2.7	30.0
Perfluoroheptanoic acid (PFHpA)	AveID	1.031	1.001		0.971	1.00	-2.9	30.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.103	1.101		1.01	1.01	-0.2	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	4.119	4.453		1.08	1.00	8.1	30.0
6:2 FTS	L1ID		1.574		1.06	1.00	6.3	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.236	1.278		1.03	1.00	3.4	30.0
Perfluorooctanoic acid (PFOA)	AveID	1.121	1.068		0.952	1.00	-4.8	30.0
Perfluorooctanesulfonic acid (PFOS)	L1ID		0.998		0.995	1.01	-1.5	30.0
Perfluorononanoic acid (PFNA)	AveID	1.017	1.110		1.09	1.00	9.1	30.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	AveID	1.766	2.004		1.14	1.00	13.5	30.0
Perfluorononanesulfonic acid (PFNS)	AveID	0.7830	0.8099		1.05	1.01	3.4	30.0
Perfluorodecanoic acid (PFDA)	AveID	1.052	1.112		1.06	1.00	5.7	30.0
8:2 FTS	AveID	0.9657	1.032		1.08	1.01	6.8	30.0
Perfluorooctanesulfonamide (FOSA)	AveID	1.019	0.9667		0.949	1.00	-5.1	30.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.8881	0.9340		1.05	1.00	5.2	30.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.5827	0.6537		1.13	1.01	12.2	30.0
Perfluoroundecanoic acid (PFUnA)	AveID	1.059	1.069		1.01	1.00	0.9	30.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.9079	0.9689		1.07	1.00	6.7	30.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF)	AveID	2.299	2.987		1.30	1.00	29.9	30.0
Perfluorododecanoic acid (PFDoA)	AveID	1.014	1.004		0.990	1.00	-1.0	30.0
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	AveID	0.4511	0.4560		0.974	0.964	1.1	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.2587	0.2979		1.12	0.968	15.1	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-264366-1
 SDG No.: _____
 Lab Sample ID: ICV 200-182319/12 Calibration Date: 08/03/2022 13:57
 Instrument ID: LC812 Calib Start Date: 08/03/2022 13:00
 GC Column: C-18 ID: 4.60 (mm) Calib End Date: 08/03/2022 13:41
 Lab File ID: PA220803ICAL12.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorotridecanoic acid (PFTriA)	AveID	0.8791	0.8186		0.931	1.00	-6.9	30.0
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1602	0.1673		1.04	1.00	4.4	30.0
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		0.9406		1.03	1.00	3.1	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.6649	0.6579		0.989	1.00	-1.1	30.0
13C4 PFBA	Ave	1.167	0.7413		0.794	1.25	-36.5	50.0
13C5 PFPeA	Ave	0.8976	0.5635		0.785	1.25	-37.2	50.0
13C3 PFBS	Ave	1.039	0.6618		0.741	1.16	-36.3	50.0
M2-4:2 FTS	Ave	0.0894	0.0590		0.770	1.17	-34.0	50.0
13C2 PFHxA	Ave	0.8962	0.5832		0.813	1.25	-34.9	50.0
13C3 HFPO-DA	Ave	0.1687	0.1132		0.839	1.25	-32.9	50.0
13C4 PFHpA	Ave	0.9296	0.6159		0.828	1.25	-33.7	50.0
18O2 PFHxS	Ave	0.7305	0.4759		0.770	1.18	-34.8	50.0
M2-6:2 FTS	Ave	0.1223	0.0831		0.807	1.19	-32.0	50.0
13C4 PFOA	Ave	0.9525	0.6382		0.837	1.25	-33.0	50.0
13C4 PFOS	Ave	0.5455	0.3421		0.750	1.20	-37.3	50.0
13C5 PFNA	Ave	0.9889	0.6643		0.840	1.25	-32.8	50.0
13C2 PFDA	Ave	0.9624	0.6127		0.796	1.25	-36.3	50.0
M2-8:2 FTS	Ave	0.1471	0.0995		0.810	1.20	-32.4	50.0
13C8 FOSA	Ave	0.8423	0.5579		0.828	1.25	-33.8	50.0
d3-NMeFOSAA	Ave	0.1290	0.0832		0.806	1.25	-35.5	50.0
13C2 PFUnA	Ave	0.7292	0.4694		0.805	1.25	-35.6	50.0
d5-NEtFOSAA	Ave	0.1221	0.0750		0.767	1.25	-38.6	50.0
13C2 PFDoA	Ave	0.7556	0.4925		0.815	1.25	-34.8	50.0
13C2 PFTeDA	Ave	0.6177	0.4097		0.829	1.25	-33.7	50.0
13C2 PFHxDA	Ave	0.7037	0.4602		0.817	1.25	-34.6	50.0

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 03-Aug-2022 13:57:30 ALS Bottle#: 9 Worklist Smp#: 12
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: ICV
 Misc. Info.: 200-0051940-012 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist:

Method: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 04-Aug-2022 08:27:14 Calib Date: 03-Aug-2022 13:41:11
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1631

First Level Reviewer: Z1IP Date: 03-Aug-2022 15:25:02

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	2.085	0.0	0.599	2077411	0.7940	63.5	11711	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.085	0.0	1.000	1572247	0.9756		205		M
D 3 13C5 PFPeA	267.90 > 223.00	2.400	2.400	0.0	0.689	1579251	0.7848	62.8	3565	
4 Perfluoropentanoic acid	262.90 > 219.00	2.400	2.400	0.0	1.000	1336139	1.03		55.7	
D 47 13C3 PFBS	301.90 > 80.00	2.413	2.413	0.0	0.693	1724804	0.7407	63.7	266445	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.413	2.413	0.0	1.000	1580960	0.9653	Target=2.23	1451		M
298.90 > 99.00	2.413	2.413	0.0	1.000	753866		2.10(1.11-3.34)	607		
D 60 M2-4:2 FTS	329.00 > 81.00	2.713	2.713	0.0	0.779	154386	0.7701	66.0	163	
61 1H,1H,2H,2H-perfluorohexanesulfo	327.00 > 307.00	2.713	2.713	0.0	1.000	323614	1.03		3105	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.749	2.750	-0.001	1.000	1395731	1.02	Target=12.24	302		M
313.00 > 119.00	2.749	2.750	-0.001	1.000	110153		12.67(6.12-18.36)	193		M
D 7 13C2 PFHxA	315.00 > 270.00	2.749	2.750	-0.001	0.790	1634296	0.8134	65.1	3427	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.762	2.762	0.0	0.885	1448133	1.05	Target=2.95	1363		M
349.00 > 99.00	2.762	2.762	0.0	0.885	482893		3.00(1.48-4.43)	862		M
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.859	2.859	0.0	1.000	268085	0.9829		2120		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	2.859	2.859	0.0	0.821	317282	0.8390		67.1	1519	
D 9 13C4 PFHpA										
367.00 > 322.00	3.121	3.121	0.0	0.896	1726109	0.8282		66.3	2974	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.121	3.121	0.0	1.000	1382157	0.9712	Target=3.73		399	M
363.00 > 169.00	3.121	3.121	0.0	1.000	361324		3.83(1.86-5.59)		709	
D 11 18O2 PFHxS										
403.00 > 84.00	3.121	3.121	0.0	0.896	1261733	0.7704		65.2	2565	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.121	3.121	0.0	1.000	1186420	1.01	Target=3.43		1060	M
399.00 > 99.00	3.121	3.121	0.0	1.000	317682		3.73(1.72-5.15)		427	M
77 DONA										
377.00 > 251.00	3.165	3.165	0.0	0.833	3415601	1.08	Target=2.84		2869	
377.00 > 85.00	3.165	3.165	0.0	0.833	1181754		2.89(1.42-4.26)		1265	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.473	3.474	-0.001	0.997	221205	0.8070		68.0	483	M
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.473	3.474	-0.001	1.000	293223	1.06			388	M
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.473	3.474	-0.001	0.914	980236	1.03	Target=4.89		1422	M
449.00 > 99.00	3.473	3.474	-0.001	0.914	199020		4.93(2.44-7.33)		733	M
15 Perfluorooctanoic acid										
413.00 > 369.00	3.481	3.482	-0.001	1.000	1527957	0.9523	Target=2.67		168	M
413.00 > 169.00	3.481	3.482	-0.001	1.000	582551		2.62(1.34-4.01)		963	M
D 14 13C4 PFOA										
417.00 > 372.00	3.481	3.482	-0.001	1.000	1788434	0.8375		67.0	2481	
* 62 13C2 PFOA										
415.00 > 370.00	3.481	3.482	-0.001		2802391	1.25			2953	M
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.801	3.802	-0.001	1.000	773514	1.00	Target=4.88		404	M
499.00 > 99.00	3.801	3.802	-0.001	1.000	156755		4.93(2.44-7.32)		333	M
D 18 13C4 PFOS										
503.00 > 80.00	3.801	3.802	-0.001	1.092	916636	0.7496		62.7	1810	M
D 19 13C5 PFNA										
468.00 > 423.00	3.821	3.822	-0.001	1.098	1861564	0.8397		67.2	2188	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.821	3.822	-0.001	1.000	1653363	1.09	Target=8.23		473	
463.00 > 169.00	3.821	3.822	-0.001	1.000	209775		7.88(4.11-12.34)		1374	M
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.969	3.969	0.0	1.044	1537545	1.13			3091	M
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.104	4.093	0.011	1.080	627438	1.04	Target=2.53		1641	M
549.00 > 99.00	4.104	4.093	0.011	1.080	256410		2.45(1.26-3.79)		882	M
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.138	4.127	0.011	1.000	232301	1.08			740	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	4.127	4.127	0.0	1.000	1526795	1.06	Target=9.67	818		M
513.00 > 169.00	4.127	4.127	0.0	1.000	168907		9.04(4.83-14.50)	934		
D 23 13C2 PFDA										M
515.00 > 470.00	4.127	4.127	0.0	1.185	1716953	0.7957		63.7	1817	M
D 26 M2-8:2 FTS										M
529.00 > 81.00	4.138	4.138	0.0	1.189	267004	0.8096		67.6	985	M
D 21 13C8 FOSA										M
506.00 > 78.00	4.173	4.173	0.0	1.199	1563396	0.8279		66.2	1641	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.184	4.173	0.011	1.003	1209120	0.9487			1372	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.273	4.273	0.0	1.000	174136	1.05			412	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.273	4.273	0.0	1.227	233049	0.8058		64.5	781	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.365	4.365	0.0	1.148	506441	1.13	Target=2.80		1758	M
599.00 > 99.00	4.365	4.365	0.0	1.148	184002		2.75(1.40-4.20)		722	M
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.398	4.399	-0.001	1.000	1125072	1.01	Target=9.07		736	M
563.00 > 169.00	4.398	4.399	-0.001	1.000	123605		9.10(4.54-13.61)		471	
D 30 13C2 PFUnA										M
565.00 > 520.00	4.398	4.399	-0.001	1.263	1315326	0.8046		64.4	1327	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.410	4.410	0.0	1.000	162832	1.07			818	M
D 32 d5-NEtFOSAA										M
589.00 > 419.00	4.410	4.410	0.0	1.267	210080	0.7675		61.4	896	
66 11-Chloroeicosafuoro-3-oxaundec										M
631.00 > 451.00	4.504	4.491	0.013	1.185	2291190	1.30			1858	M
D 36 13C2 PFDaA										M
615.00 > 570.00	4.633	4.633	0.0	1.331	1380113	0.8147		65.2	2059	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.633	4.633	0.0	1.000	1108763	0.99	Target=6.97		140	
613.00 > 169.00	4.633	4.633	0.0	1.000	162557		6.82(3.48-10.45)		571	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.654	4.654	0.0	1.125	98005	0.9743			903	
75 Perfluorododecanesulfonic acid (M
699.00 > 80.00	4.813	4.813	0.0	1.266	221186	1.11	Target=0.52		1301	M
699.00 > 99.00	4.813	4.813	0.0	1.266	409515		0.54(0.26-0.79)		2011	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.859	4.859	0.0	1.049	903791	0.9311	Target=4.56		131	M
663.00 > 169.00	4.859	4.859	0.0	1.049	203457		4.44(2.28-6.84)		325	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.052	5.052	0.0	1.451	1148138	0.8291		66.3	6639	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.052	5.052	0.0	1.000	153673	1.04	Target=0.94		531	M
713.00 > 219.00	5.052	5.052	0.0	1.000	163334		0.94(0.47-1.41)		288	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	5.422	5.422	0.0	1.557	1289531	0.8174		65.4	2525	M
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.422	5.422	0.0	1.000	970321	1.03	Target=4.38		196	
813.00 > 169.00	5.422	5.422	0.0	1.000	221132		4.39(2.19-6.57)		1038	M
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.786	5.786	0.0	1.067	678664	0.9894	Target=4.31		149	M
913.00 > 169.00	5.776	5.786	-0.010	1.065	160592		4.23(2.16-6.47)		646	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

LCPFAS28NCICV_00009

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d

Injection Date: 03-Aug-2022 13:57:30

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

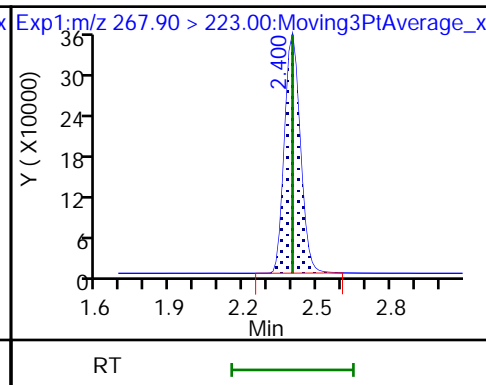
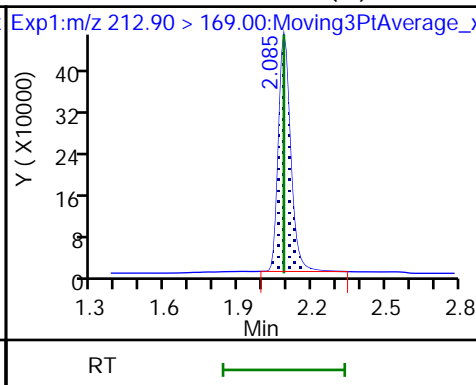
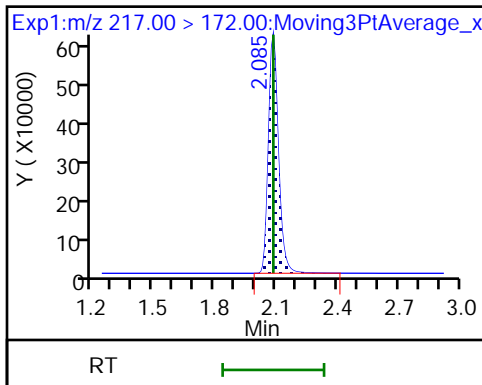
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

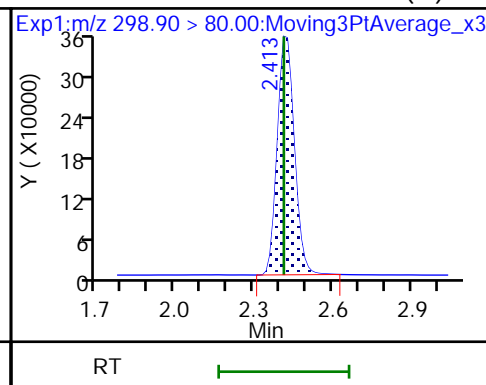
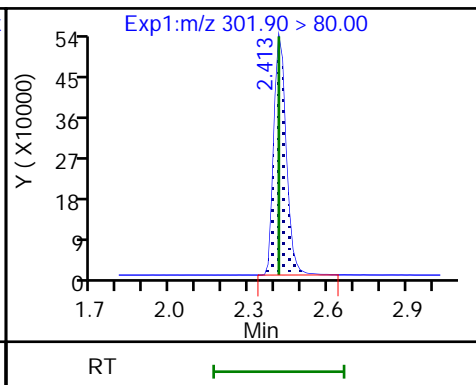
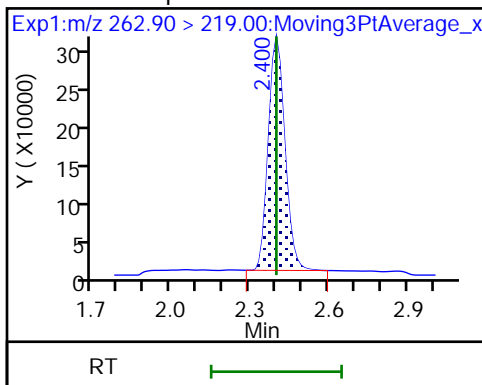
D 3 13C5 PFPeA



4 Perfluoropentanoic acid

D 47 13C3 PFBS

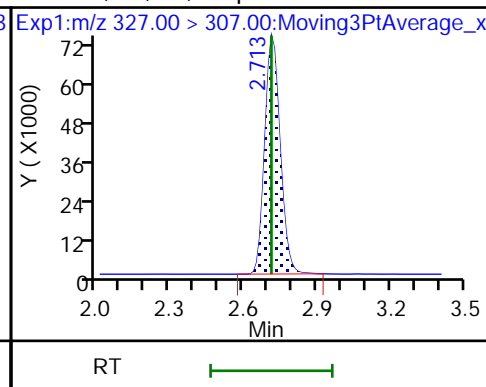
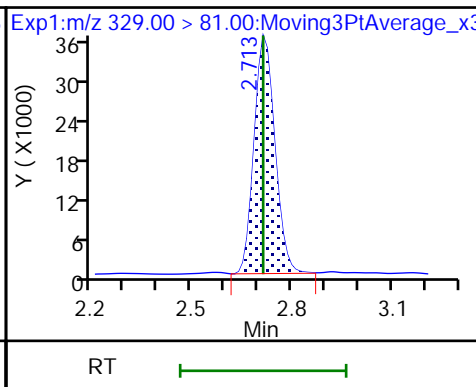
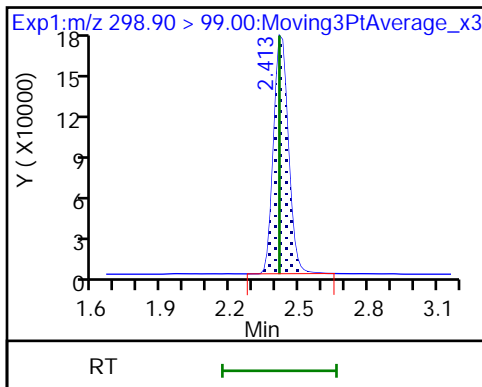
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid

D 60 M2-4:2 FTS

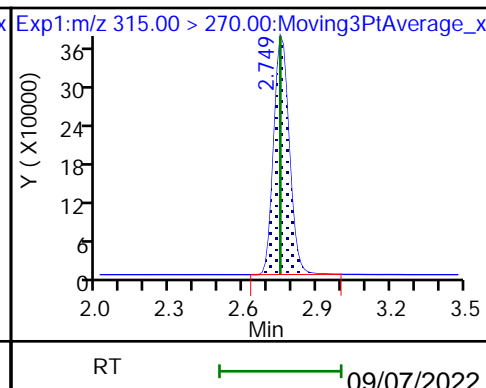
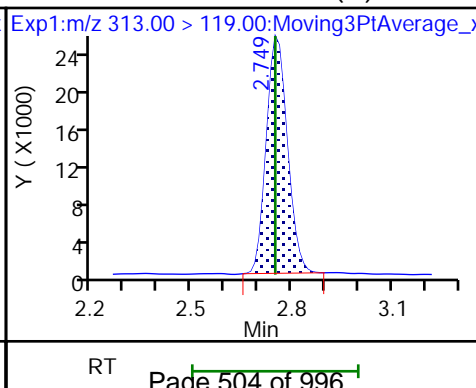
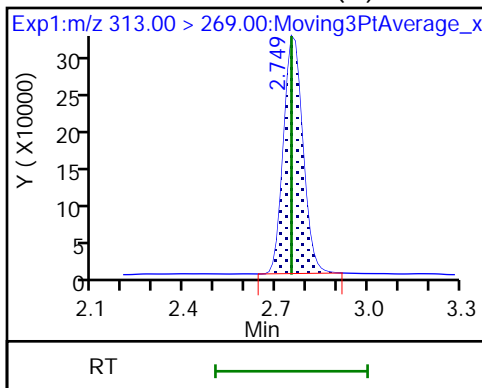
61 1H,1H,2H,2H-perfluorohexanesulfo



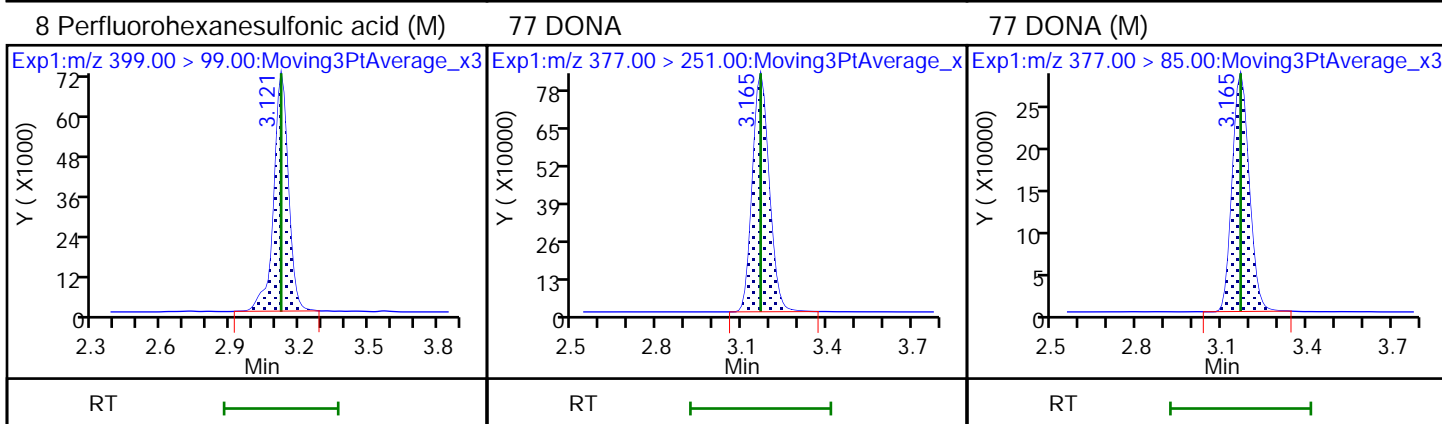
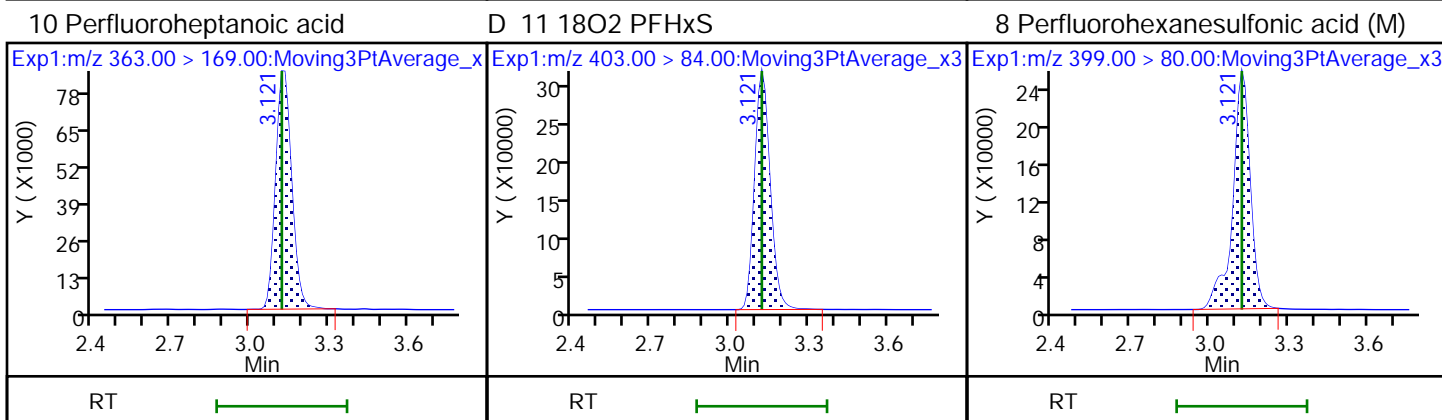
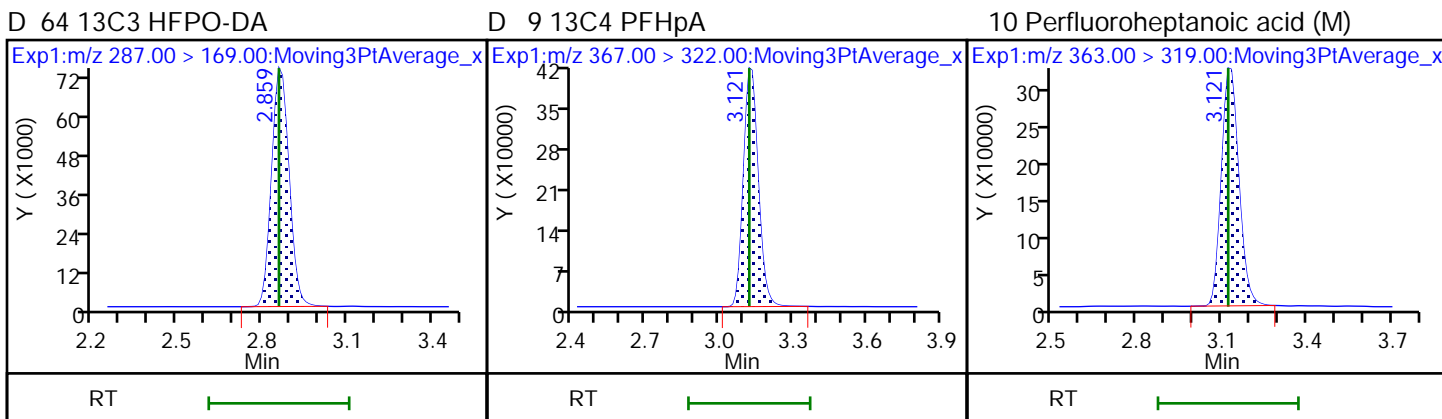
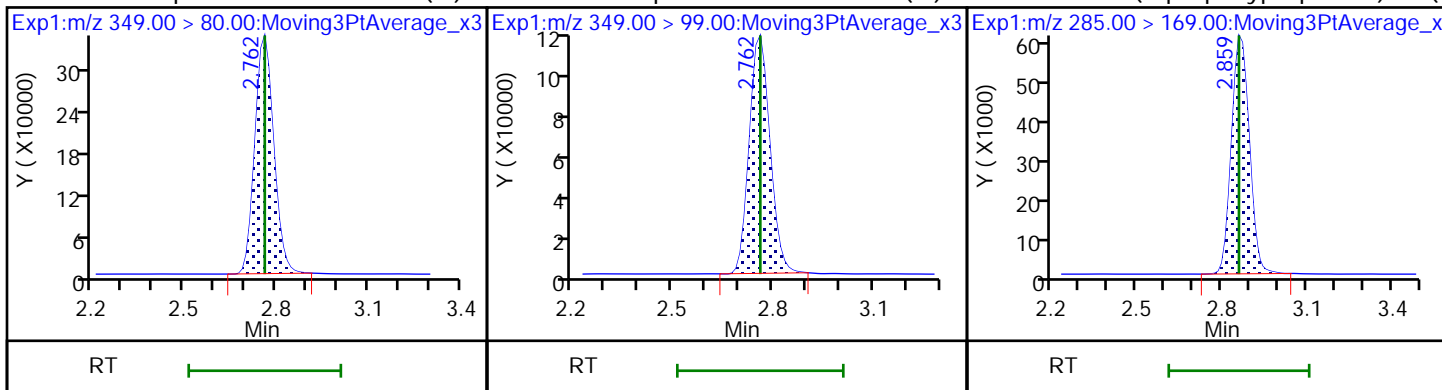
6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid (M)

D 7 13C2 PFHxA

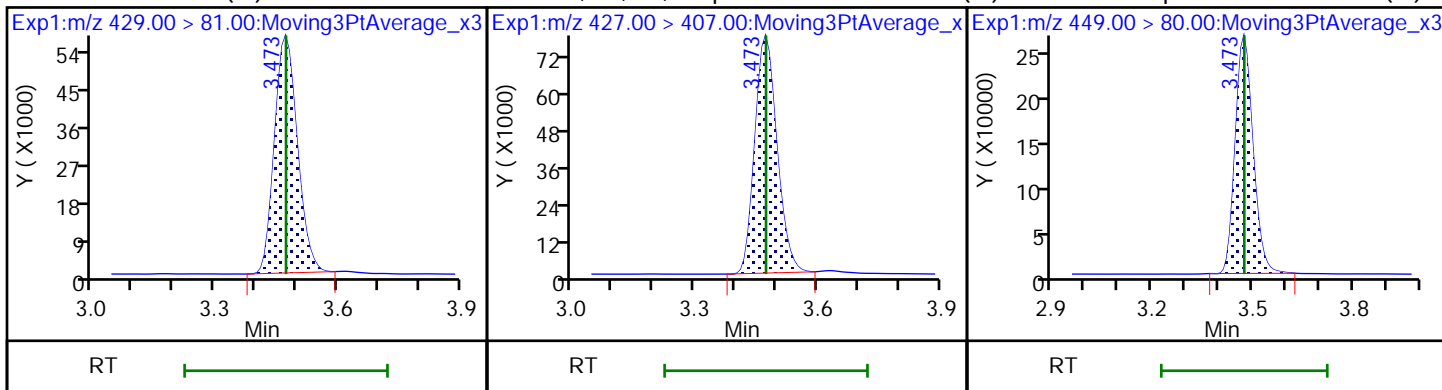


70 Perfluoropentanesulfonic acid (M) 70 Perfluoropentanesulfonic acid (M) 67 Perfluoro(2-propoxypropanoic) ac (M)



D 12 M2-6:2 FTS (M)

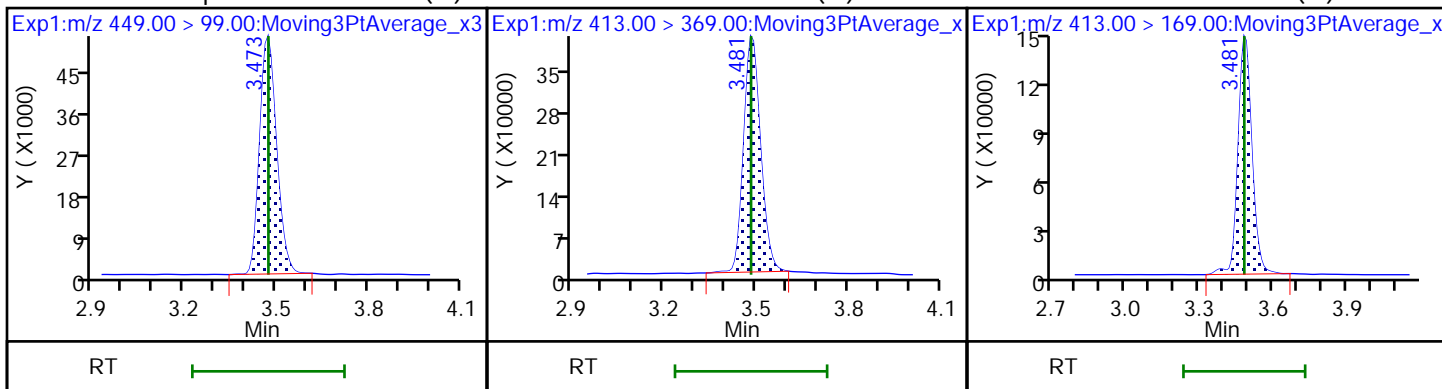
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 6 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

15 Perfluorooctanoic acid (M)

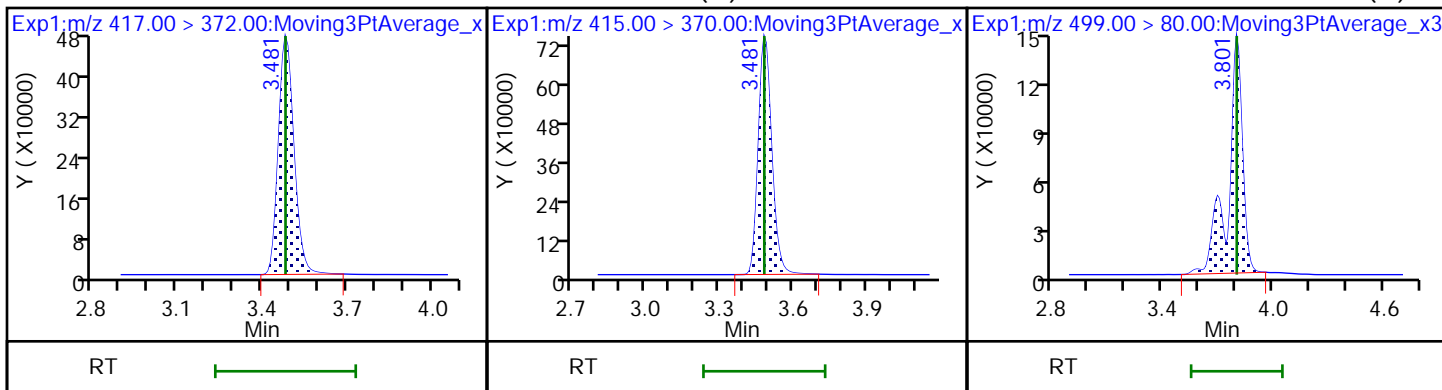
15 Perfluorooctanoic acid (M)



D 14 13C4 PFOA

* 62 13C2 PFOA (M)

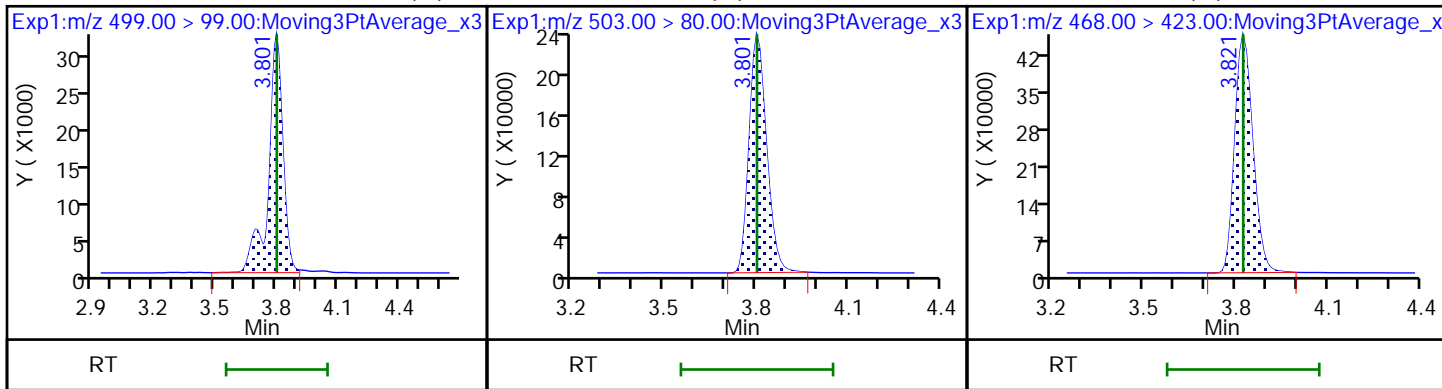
17 Perfluorooctanesulfonic acid (M)

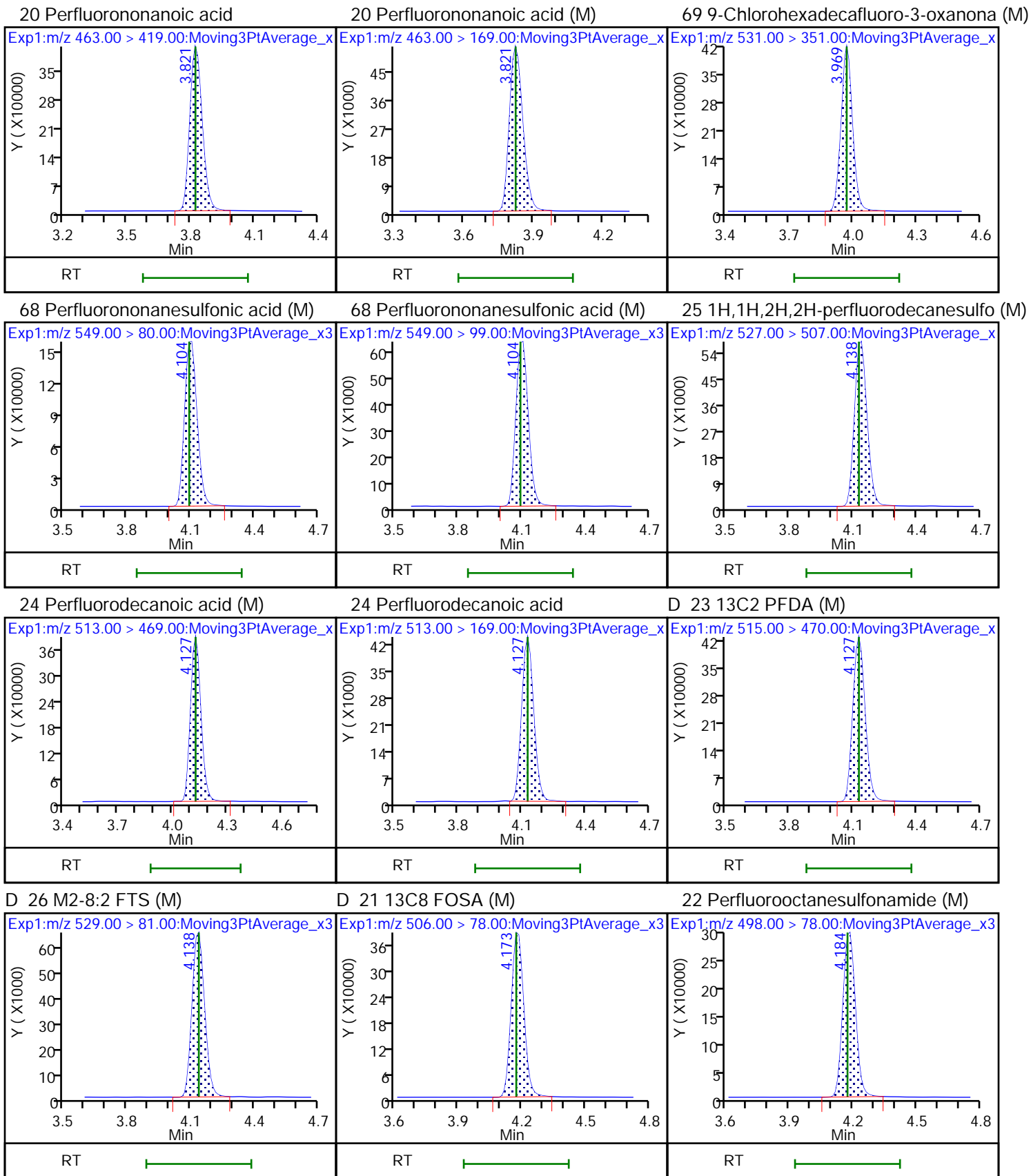


17 Perfluorooctanesulfonic acid (M)

D 18 13C4 PFOS (M)

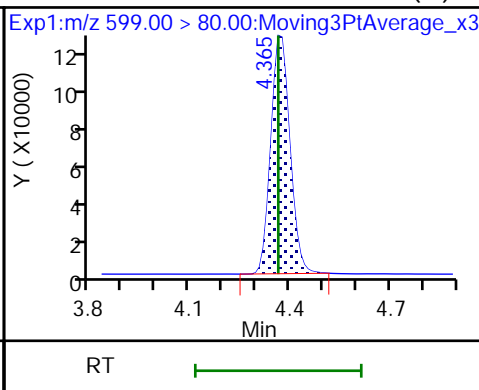
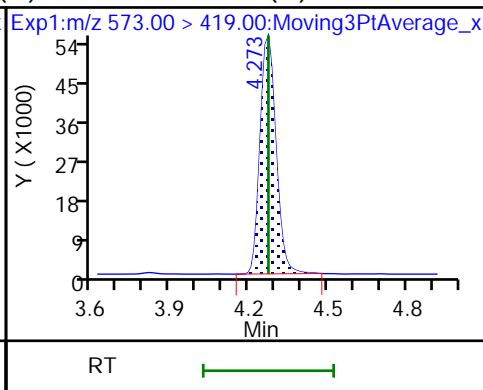
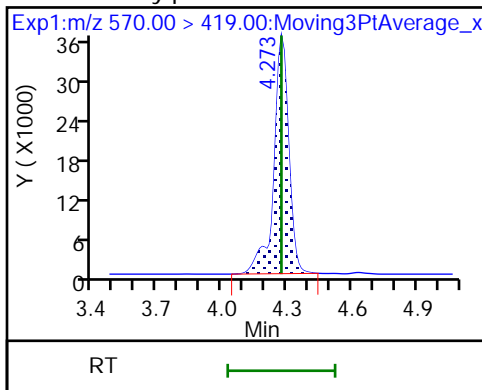
D 19 13C5 PFNA (M)





28 N-methylperfluorooctanesulfonami (M) 27 d3-NMeFOSAA (M)

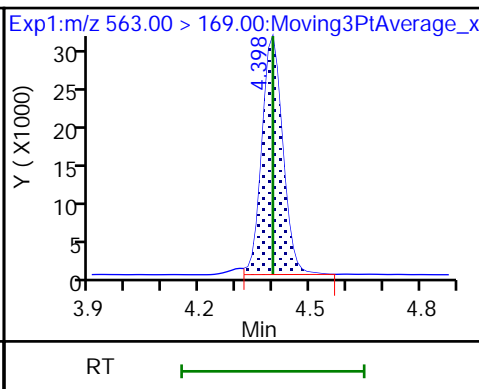
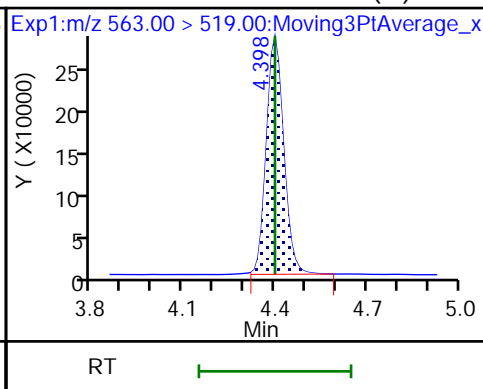
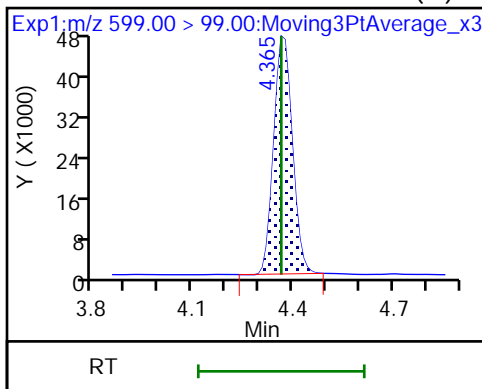
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

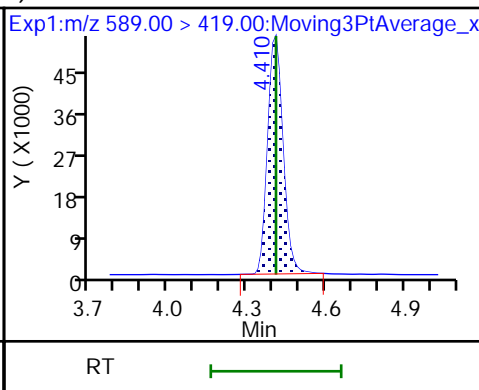
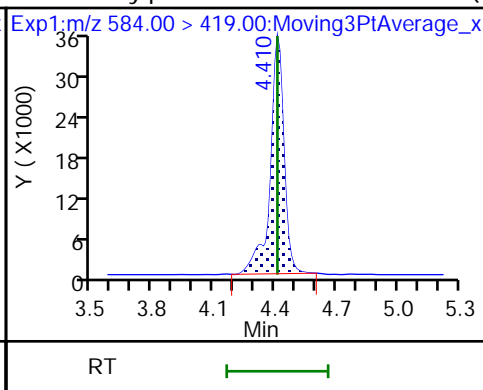
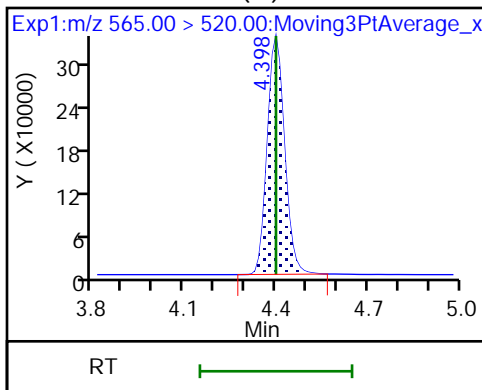
31 Perfluoroundecanoic acid (M)

31 Perfluoroundecanoic acid



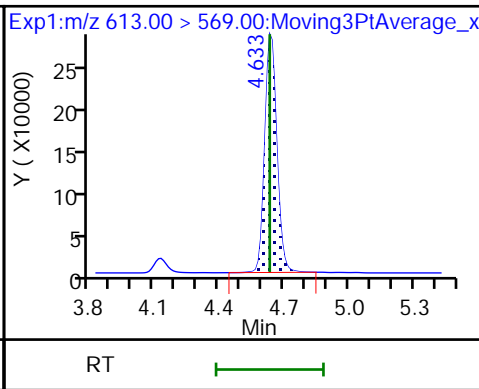
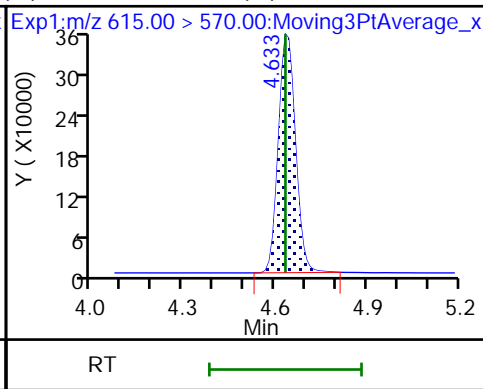
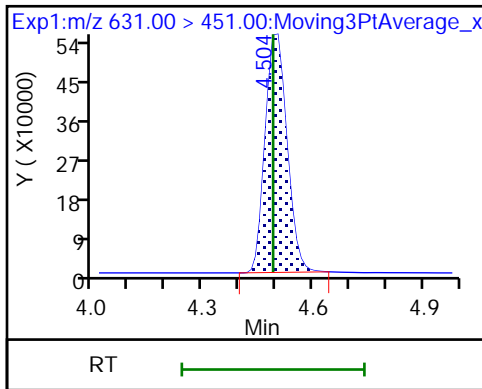
D 30 13C2 PFUnA (M)

33 N-ethylperfluorooctanesulfonamid (M) 32 d5-NEtFOSAA



66 11-Chloroeicosafuoro-3-oxaundec (M) 36 13C2 PFDoA (M)

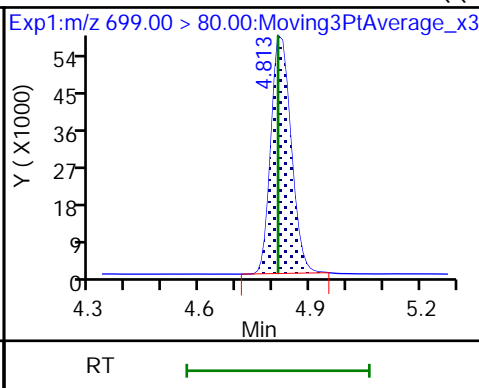
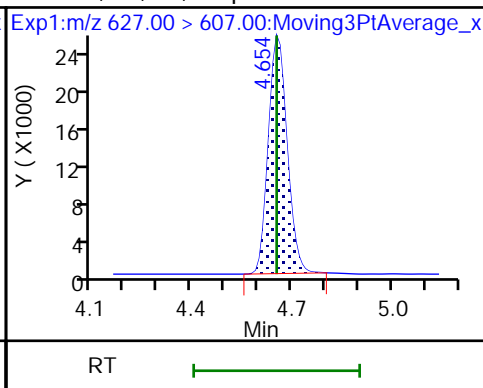
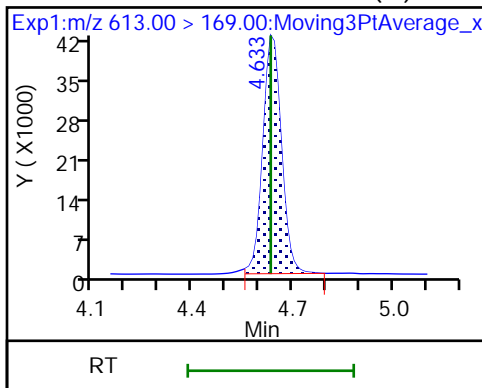
37 Perfluorododecanoic acid



37 Perfluorododecanoic acid (M)

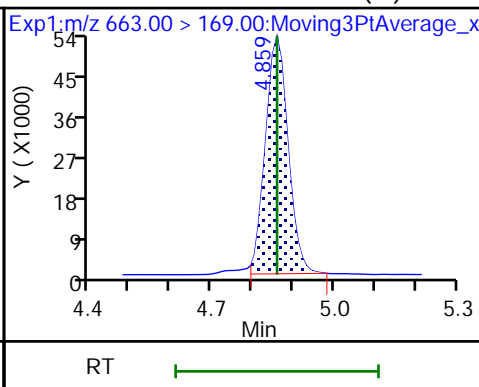
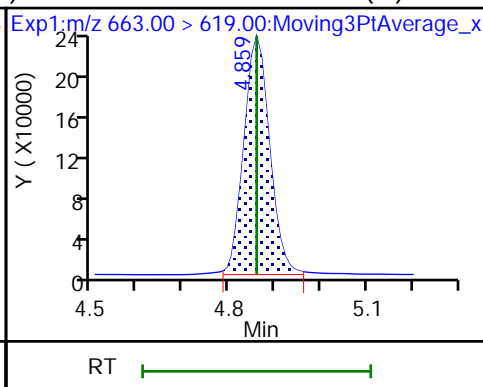
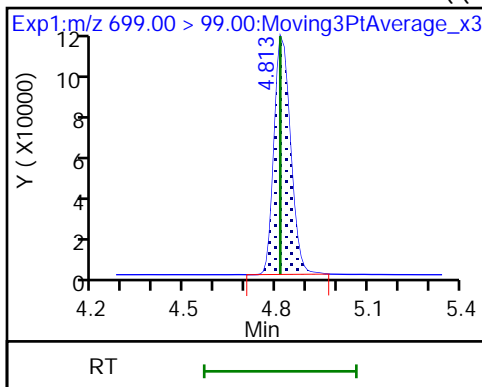
74 1H,1H,2H,2H-perfluorododecanesul

75 Perfluorododecanesulfonic acid (M)



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

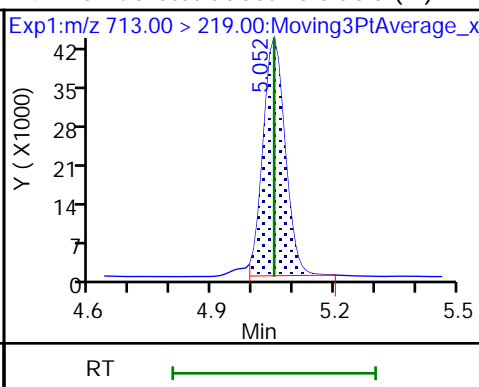
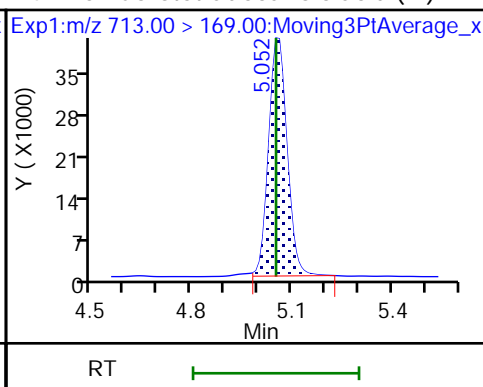
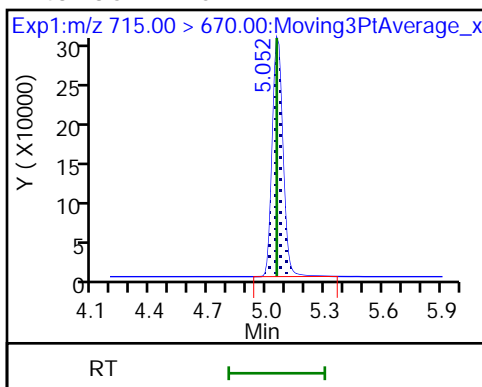
41 Perfluorotridecanoic acid (M)



D 43 13C2 PFTeDA

42 Perfluorotetradecanoic acid (M)

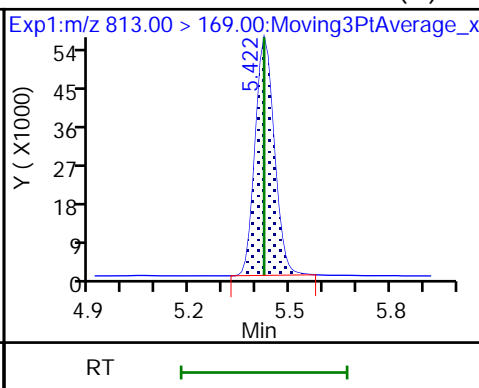
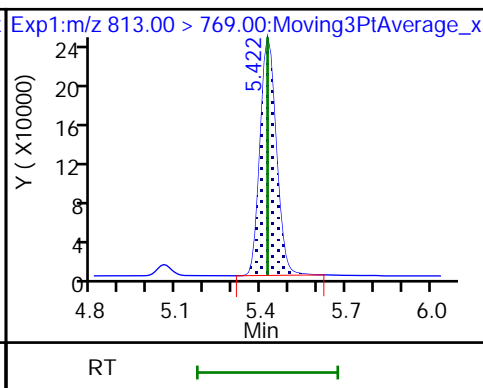
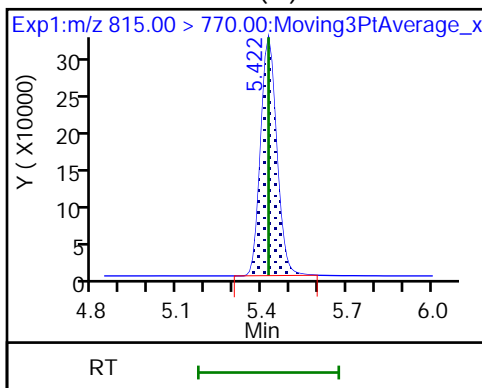
42 Perfluorotetradecanoic acid (M)



D 44 13C2 PFHxDA (M)

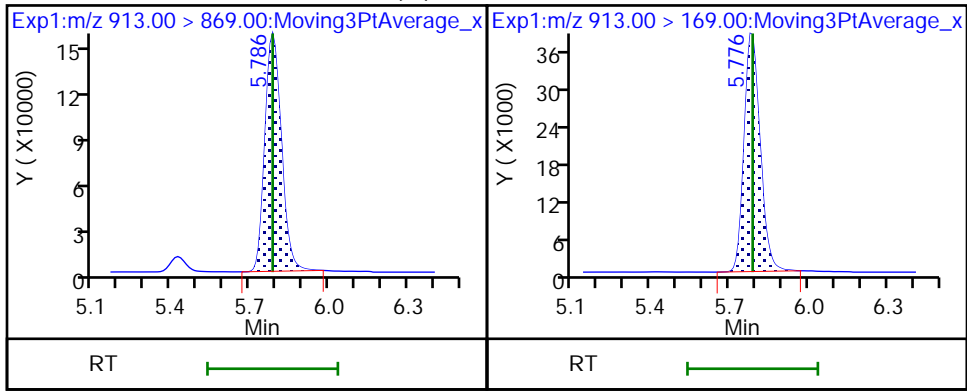
45 Perfluorohexadecanoic acid

45 Perfluorohexadecanoic acid (M)



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid



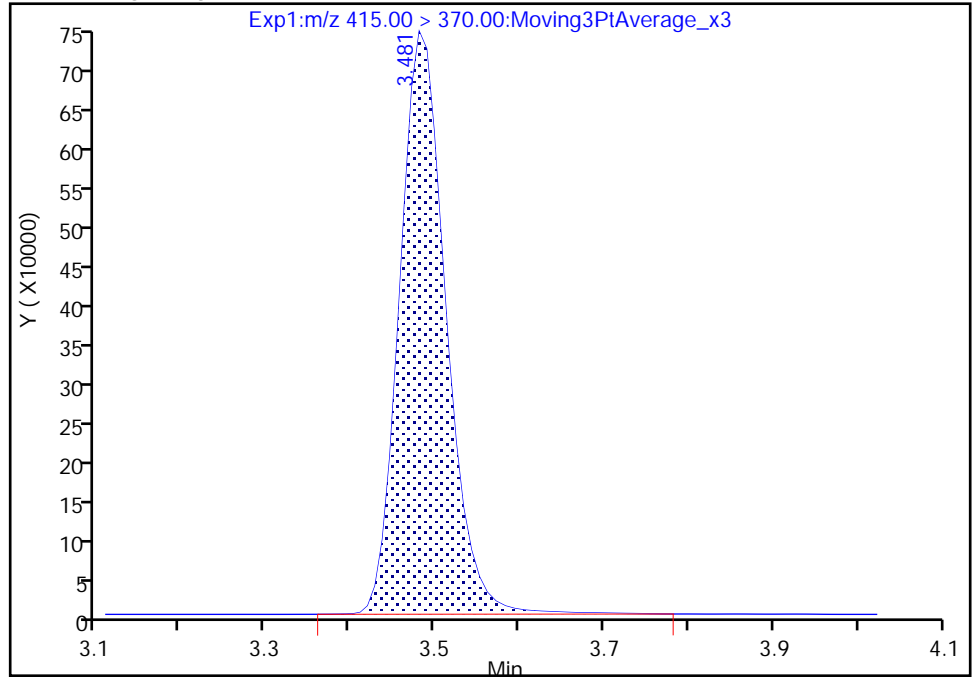
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 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

* 62 13C2 PFOA, CAS: STL00623
Signal: 1

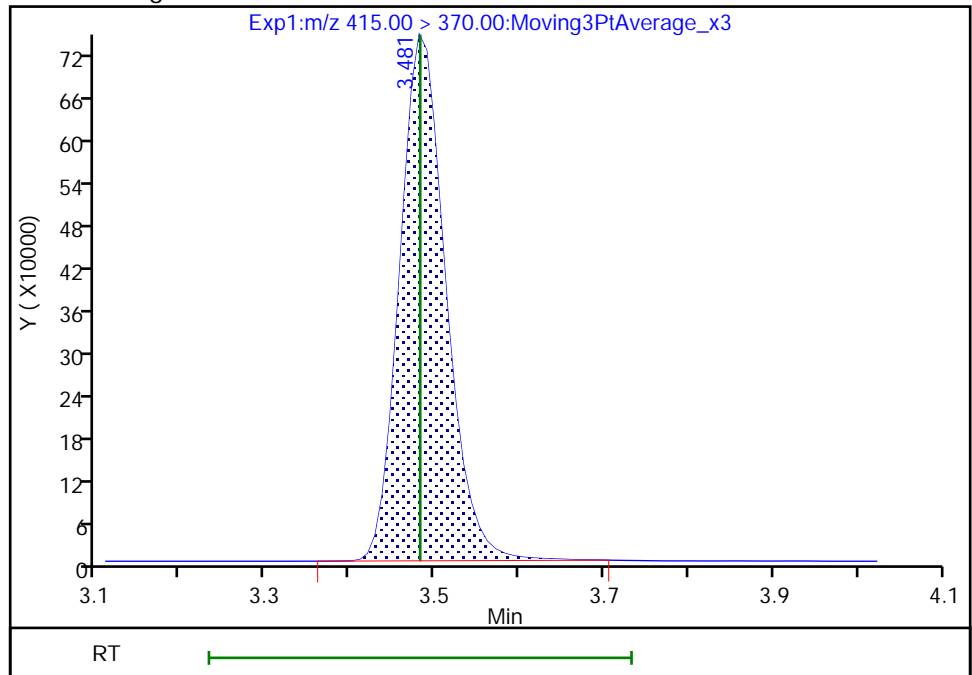
RT: 3.48
Area: 2816125
Amount: 1.250000
Amount Units: ng/ml

Processing Integration Results



RT: 3.48
Area: 2802391
Amount: 1.250000
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:24:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

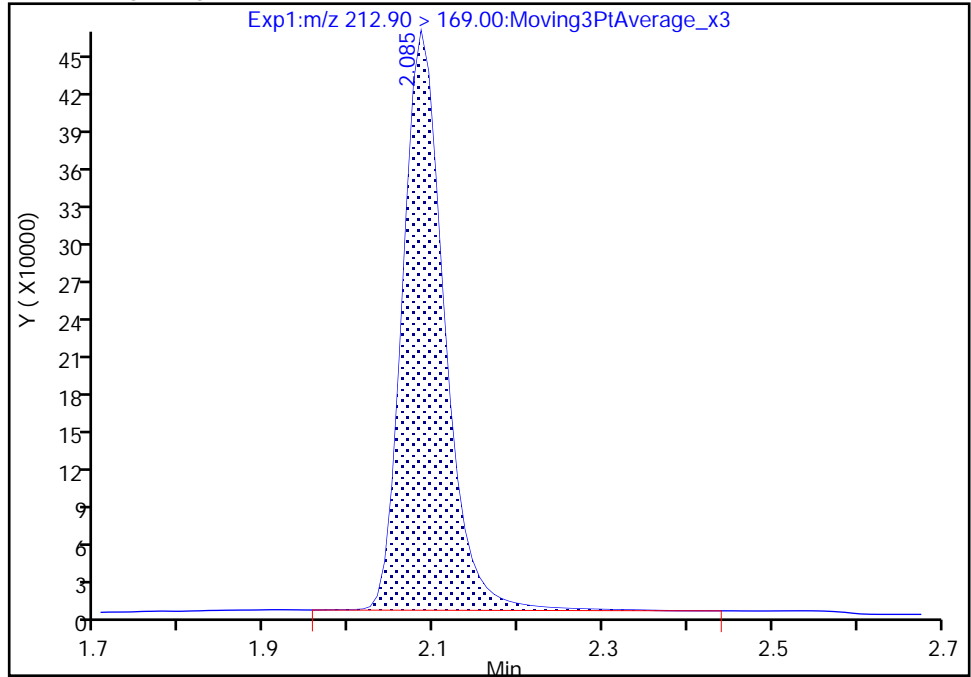
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Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

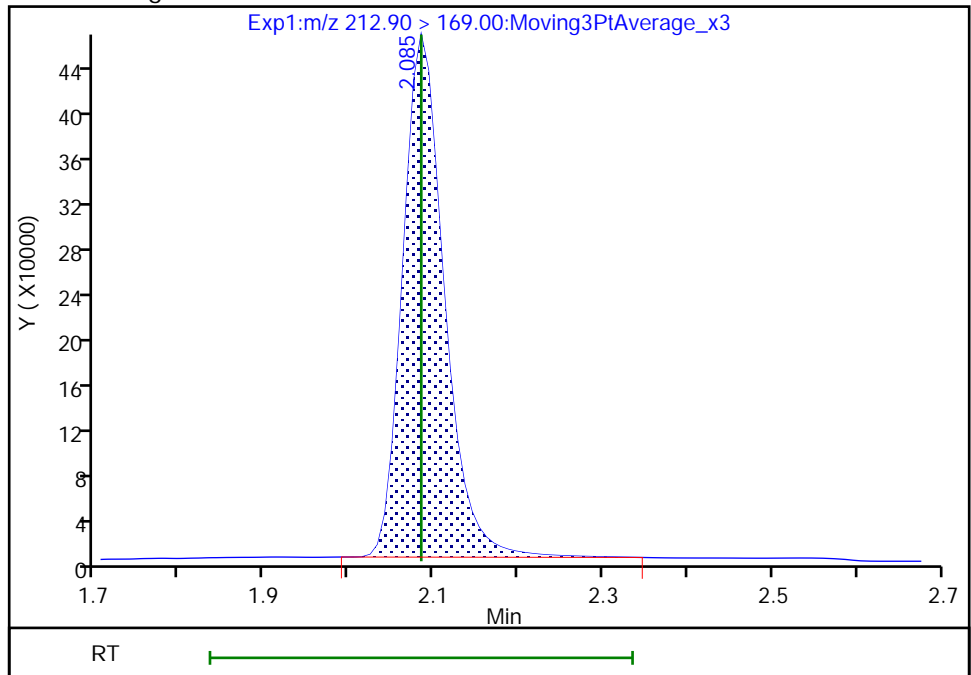
RT: 2.08
Area: 1580600
Amount: 0.980791
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 1572247
Amount: 0.975608
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

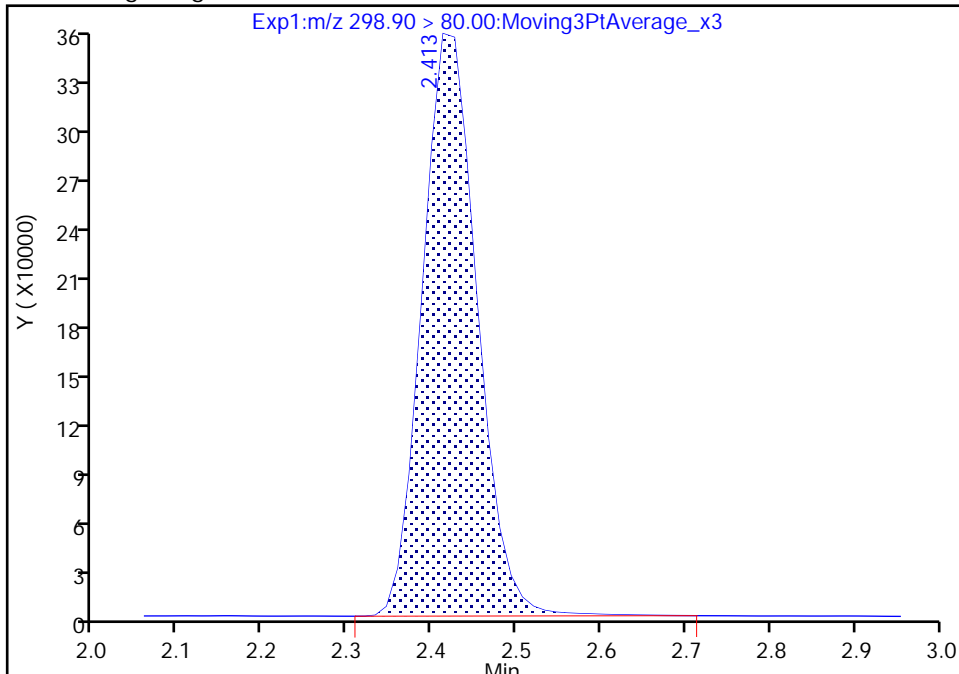
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Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

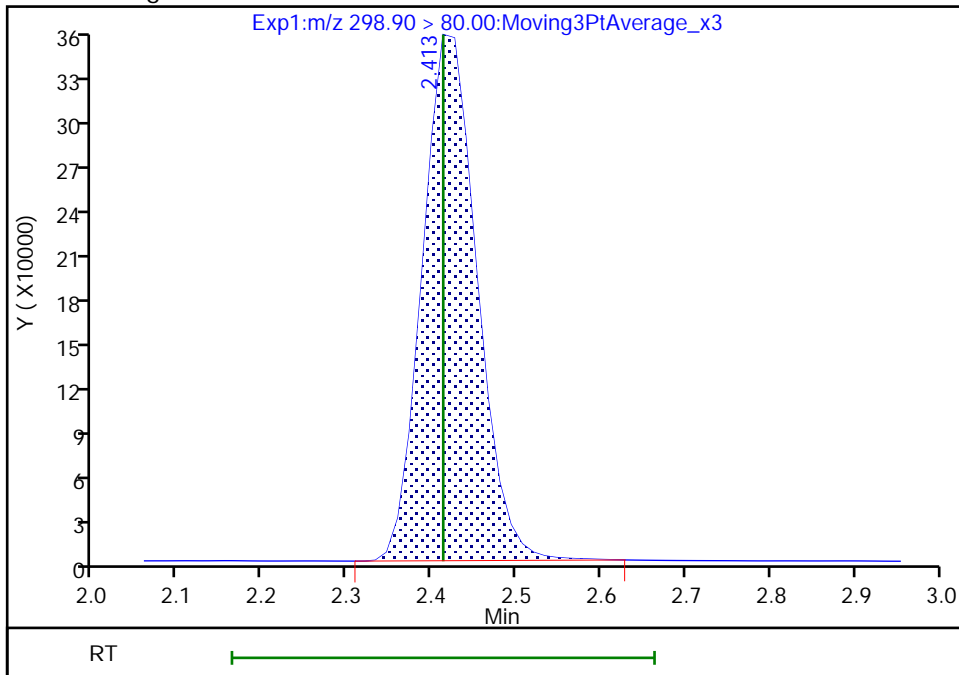
RT: 2.41
Area: 1587024
Amount: 0.969012
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 1580960
Amount: 0.965310
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:36:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

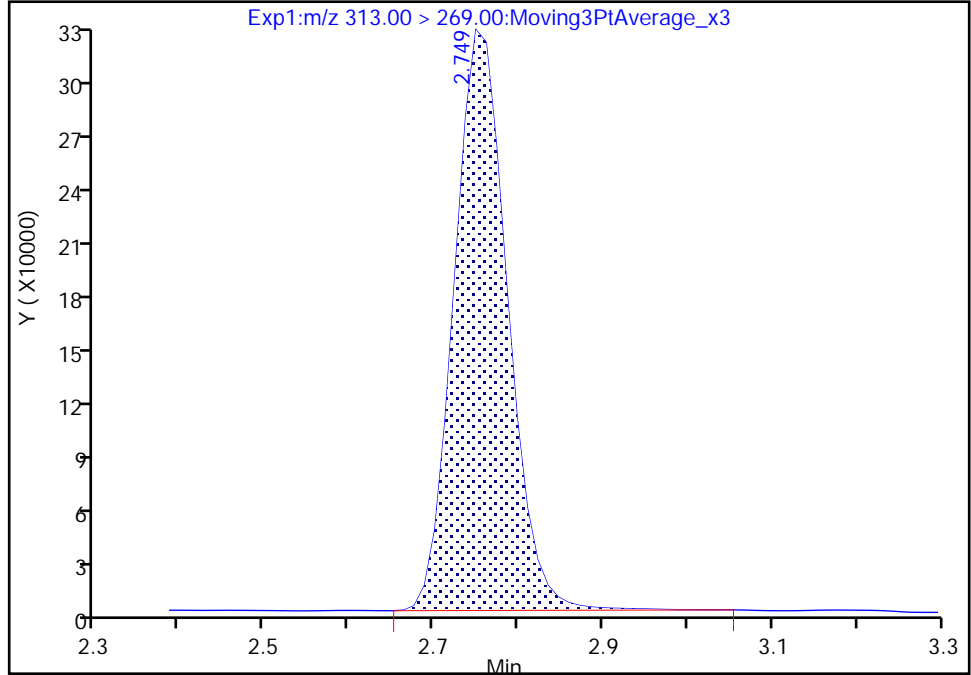
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Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

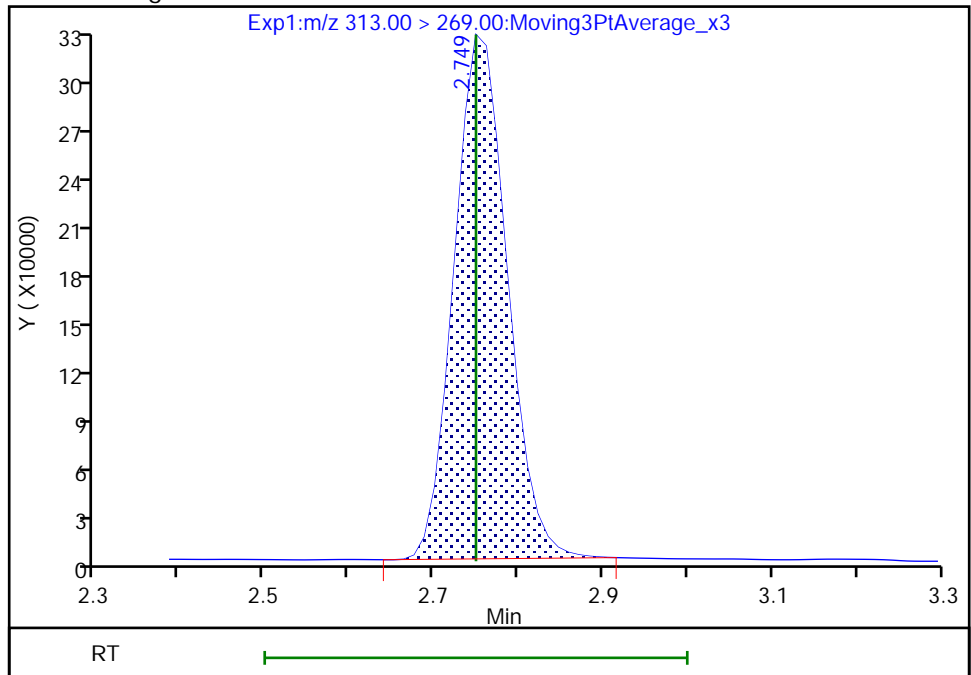
RT: 2.75
Area: 1406848
Amount: 1.031220
Amount Units: ng/ml

Processing Integration Results



RT: 2.75
Area: 1395731
Amount: 1.023071
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:36:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

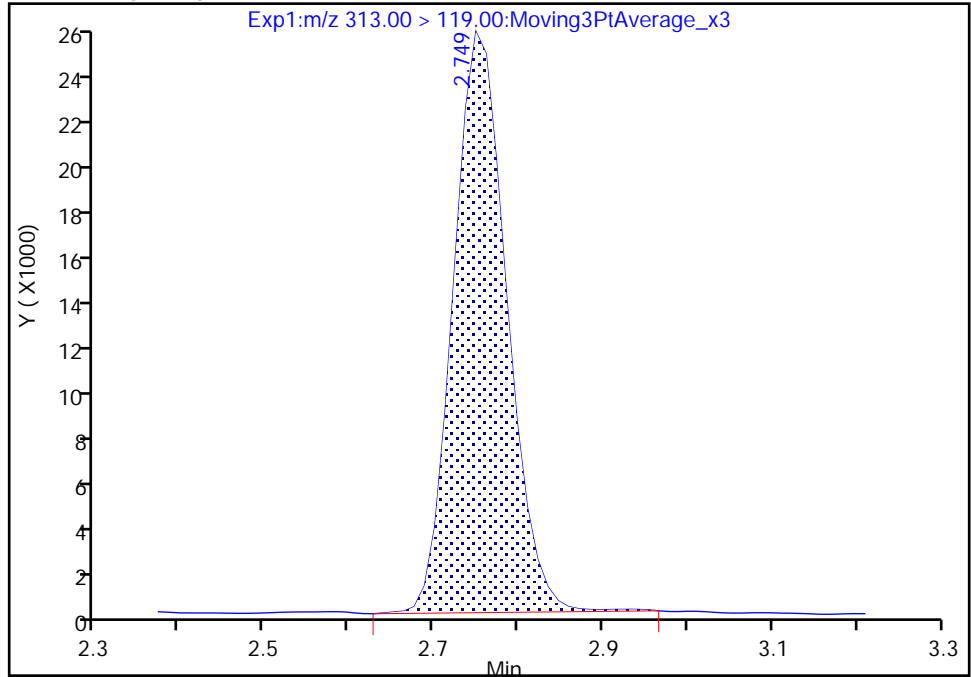
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Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

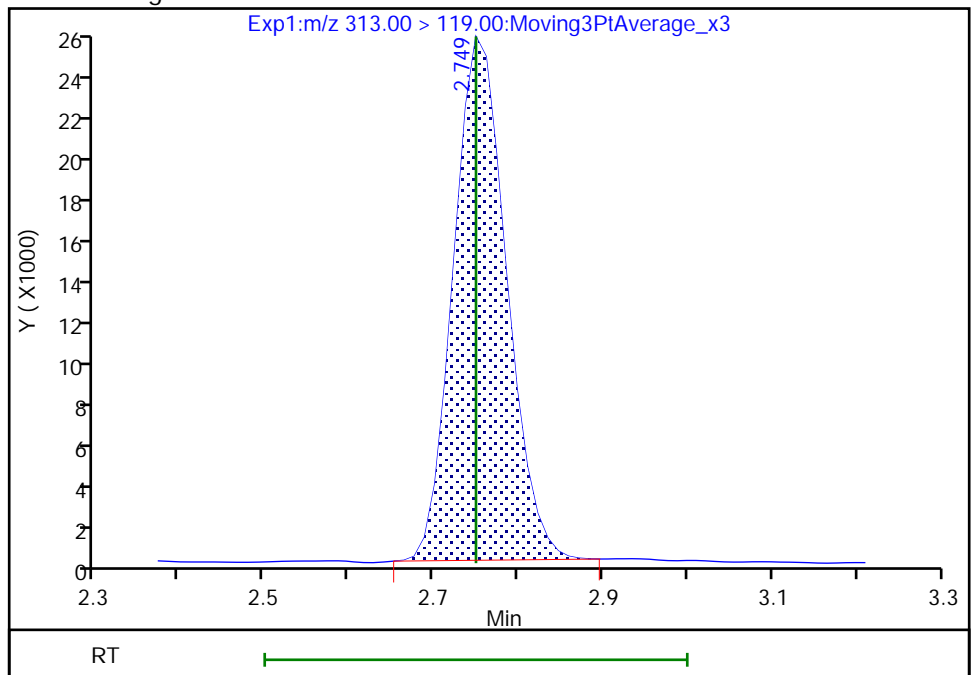
RT: 2.75
Area: 111489
Amount: 1.031220
Amount Units: ng/ml

Processing Integration Results



RT: 2.75
Area: 110153
Amount: 1.023071
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:36:54

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

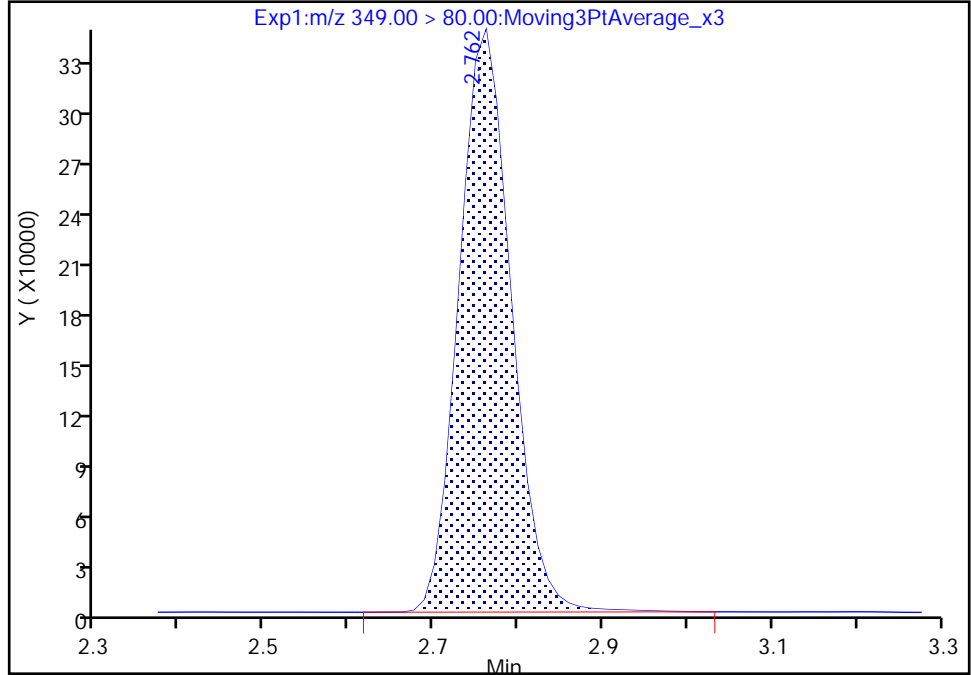
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Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

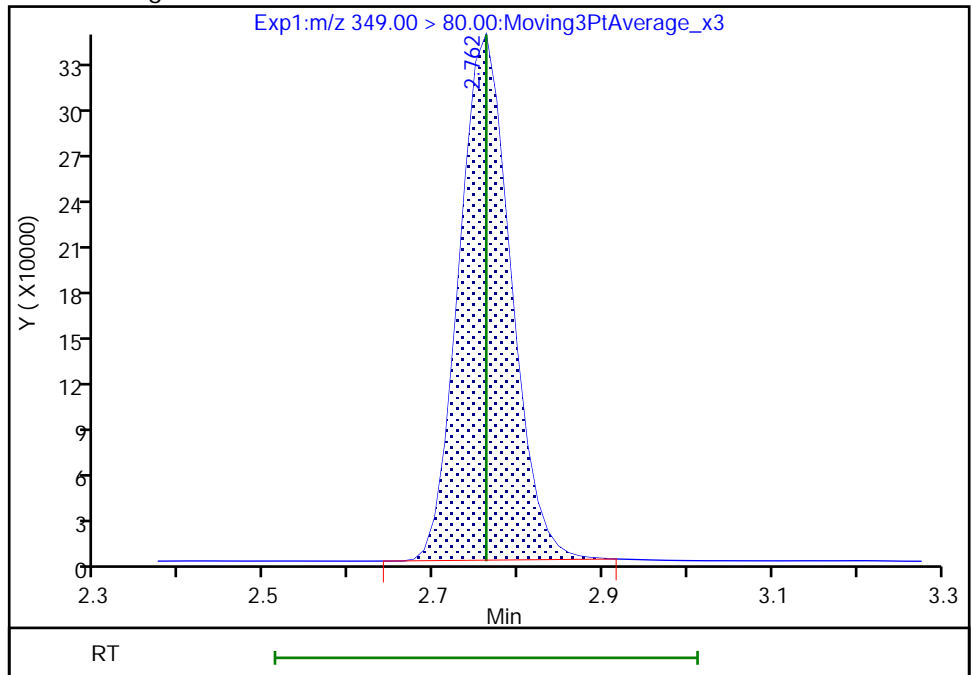
RT: 2.76
Area: 1461262
Amount: 1.056229
Amount Units: ng/ml

Processing Integration Results



RT: 2.76
Area: 1448133
Amount: 1.046739
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:36:59
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

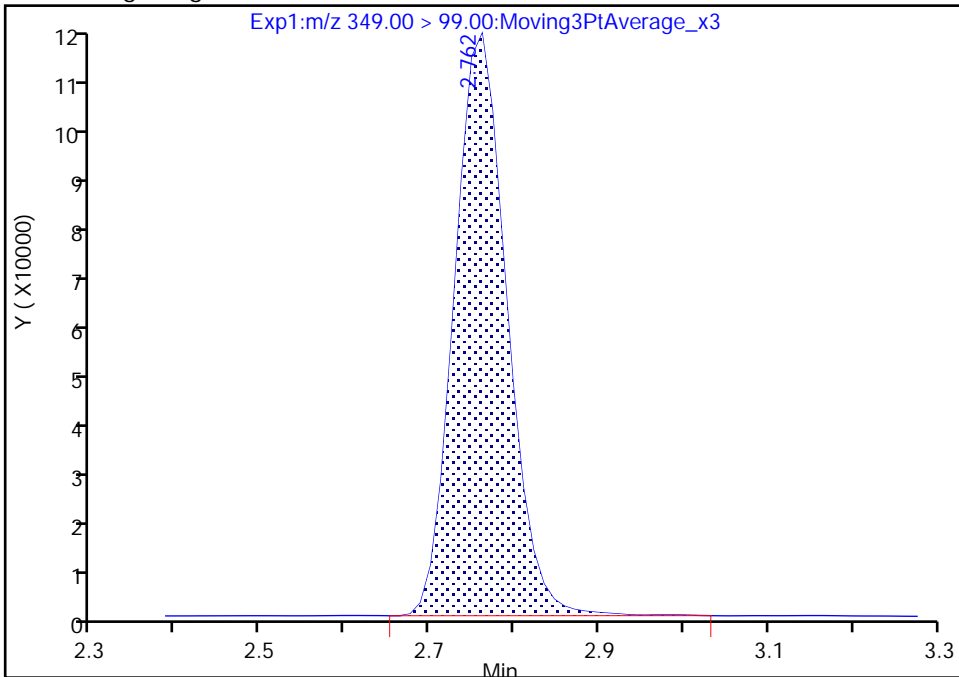
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Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 2

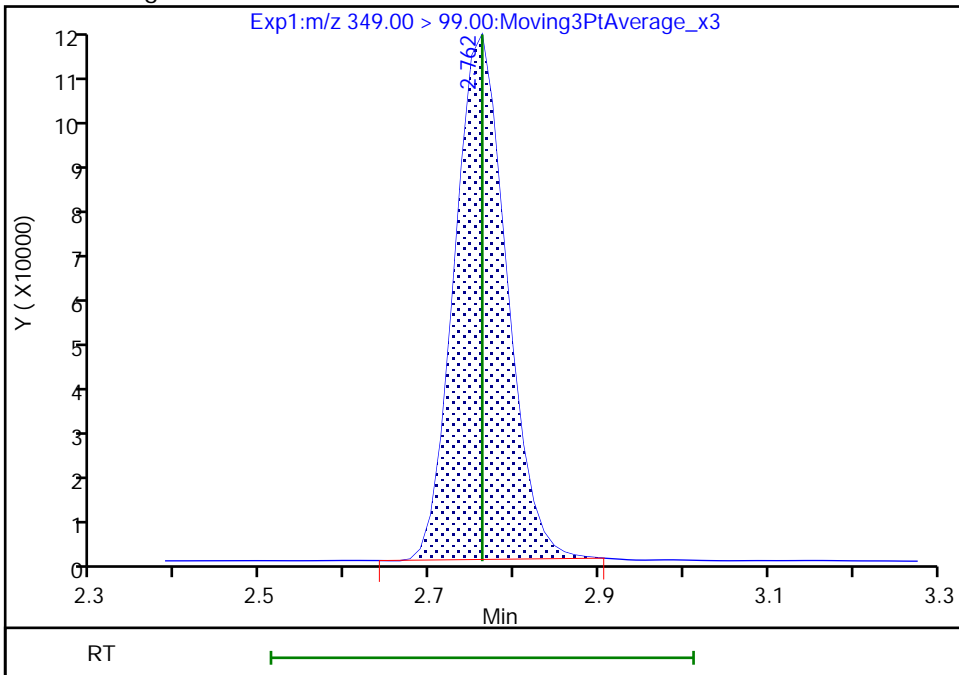
RT: 2.76
Area: 488705
Amount: 1.056229
Amount Units: ng/ml

Processing Integration Results



RT: 2.76
Area: 482893
Amount: 1.046739
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:37:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

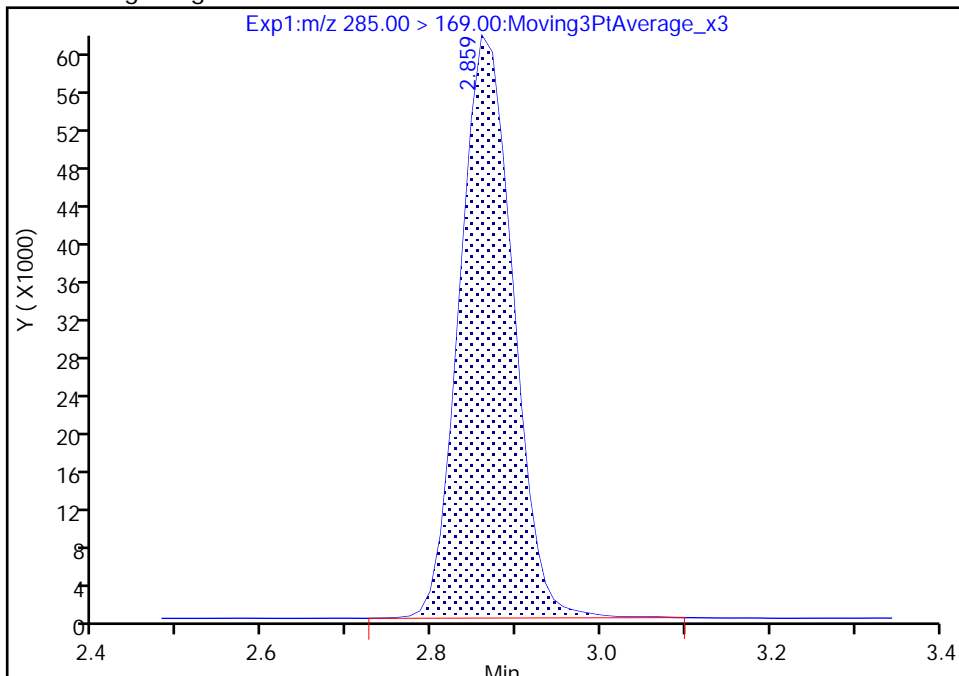
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Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

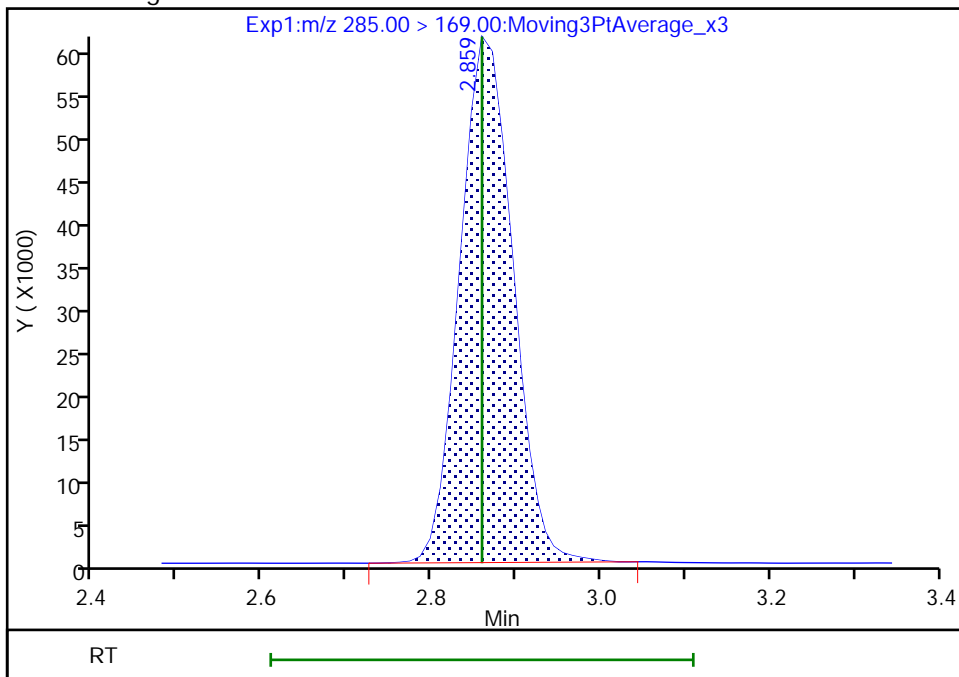
RT: 2.86
Area: 269258
Amount: 0.987221
Amount Units: ng/ml

Processing Integration Results



RT: 2.86
Area: 268085
Amount: 0.982921
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:37:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

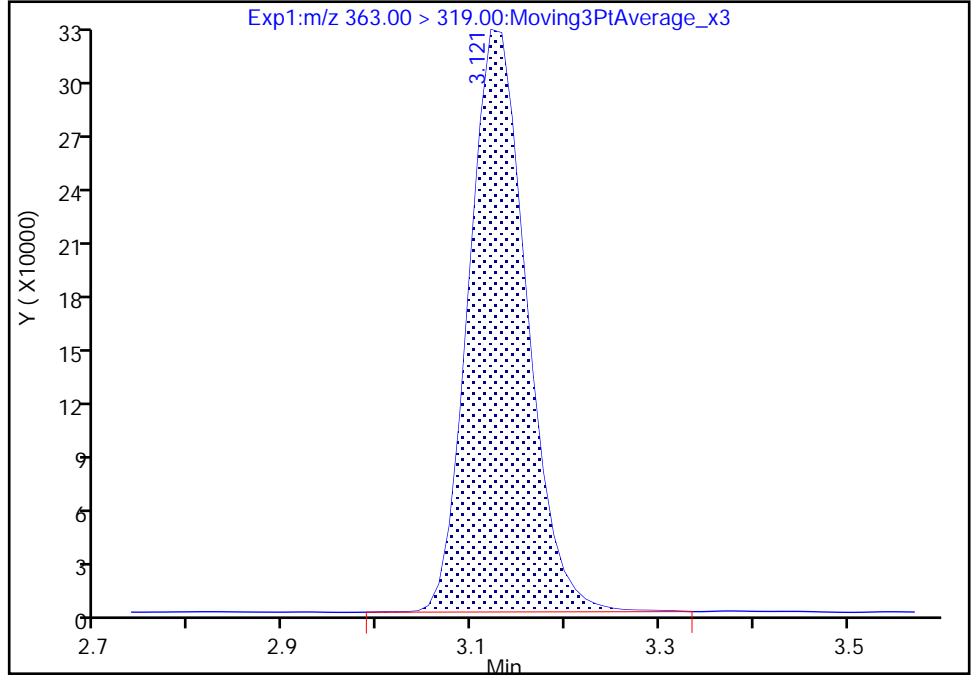
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

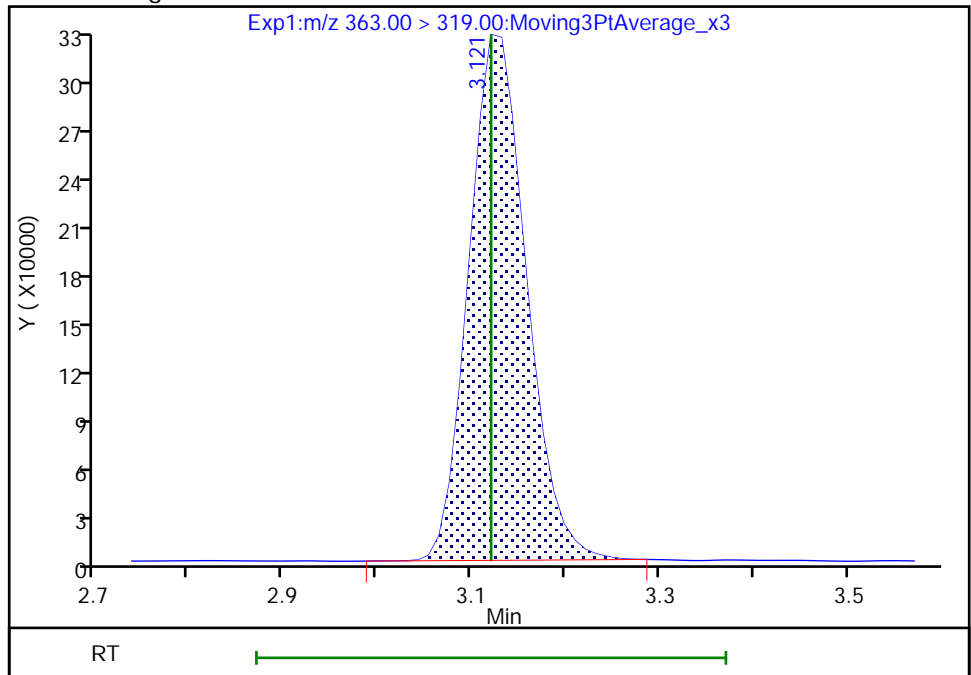
RT: 3.12
Area: 1389860
Amount: 0.976614
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 1382157
Amount: 0.971202
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:37:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

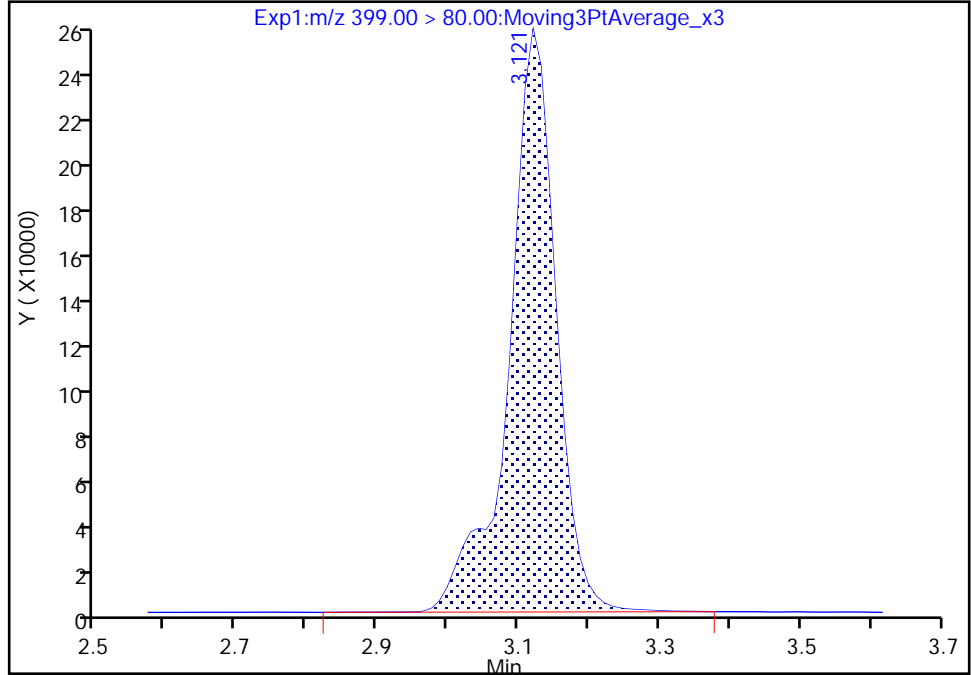
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Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

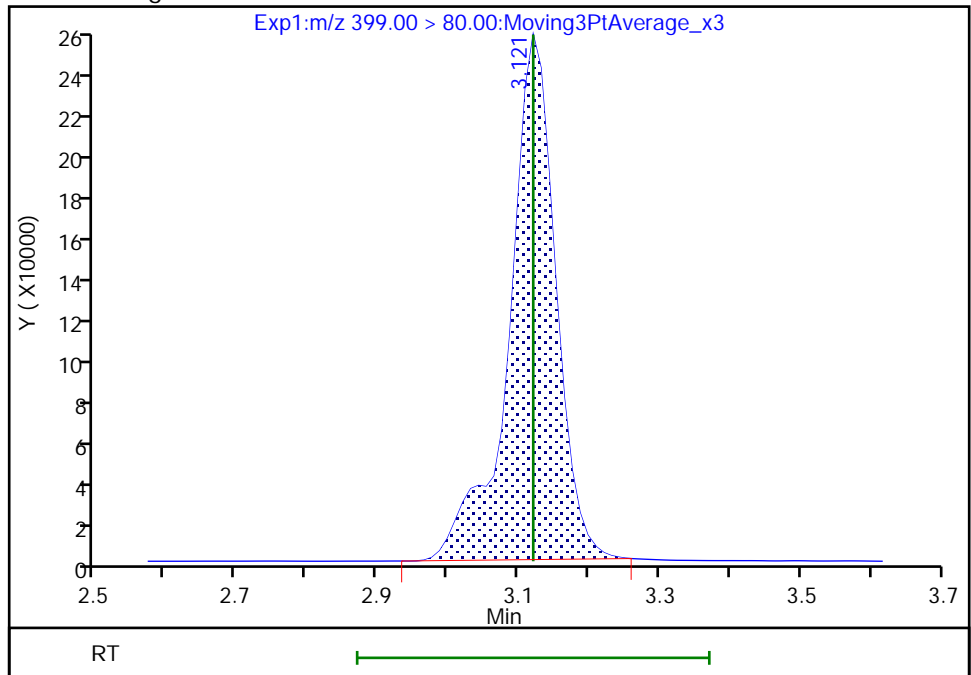
RT: 3.12
Area: 1200133
Amount: 1.019791
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 1186420
Amount: 1.008138
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:37:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

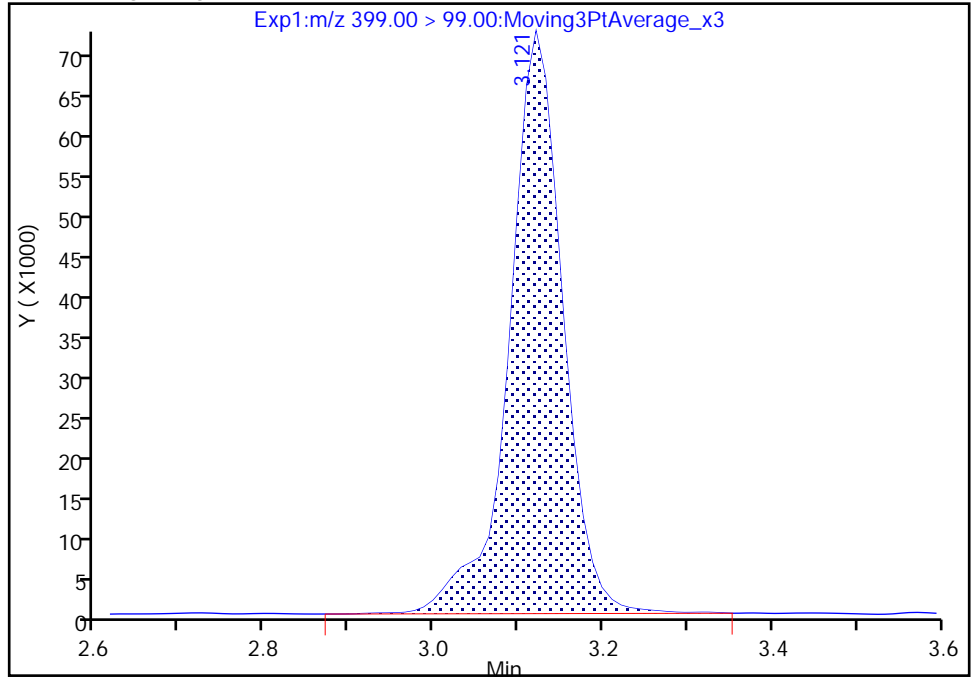
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

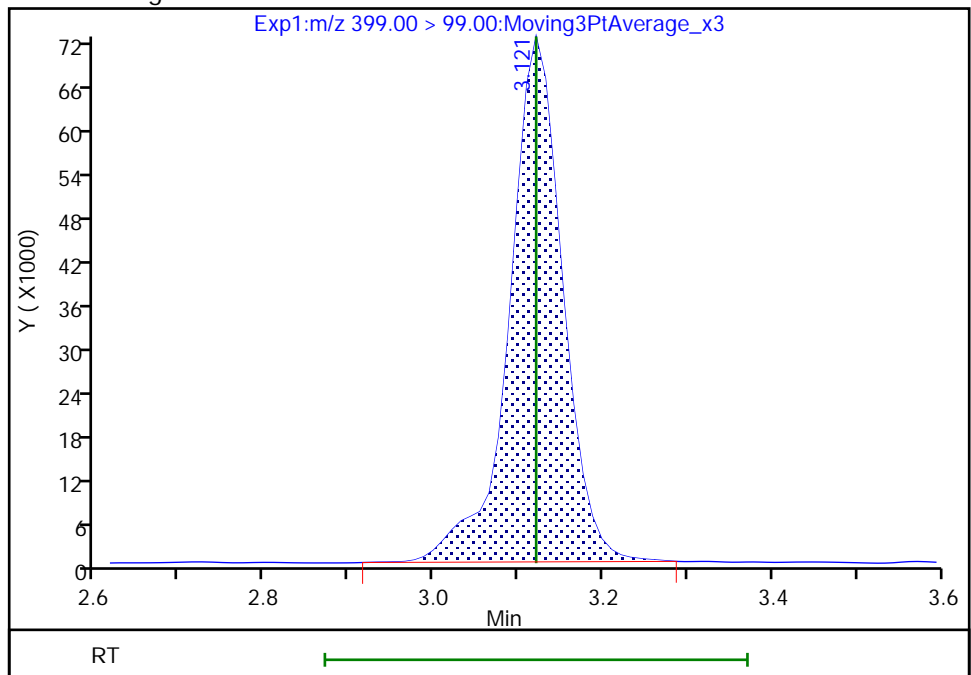
RT: 3.12
Area: 320066
Amount: 1.019791
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 317682
Amount: 1.008138
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:37:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

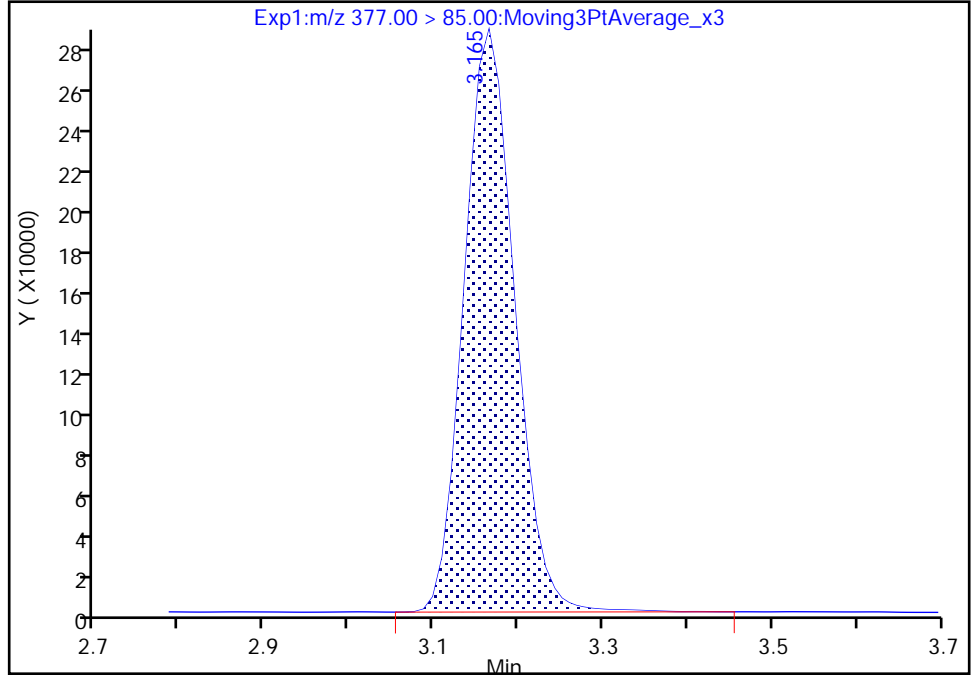
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 2

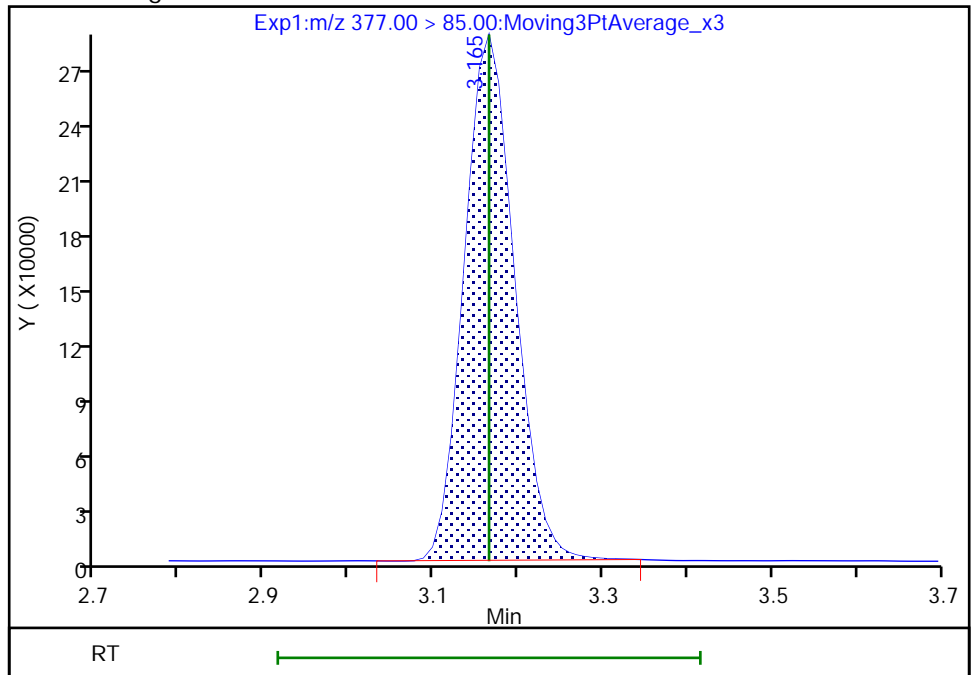
RT: 3.16
Area: 1190502
Amount: 1.081113
Amount Units: ng/ml

Processing Integration Results



RT: 3.16
Area: 1181754
Amount: 1.081113
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:37:32
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

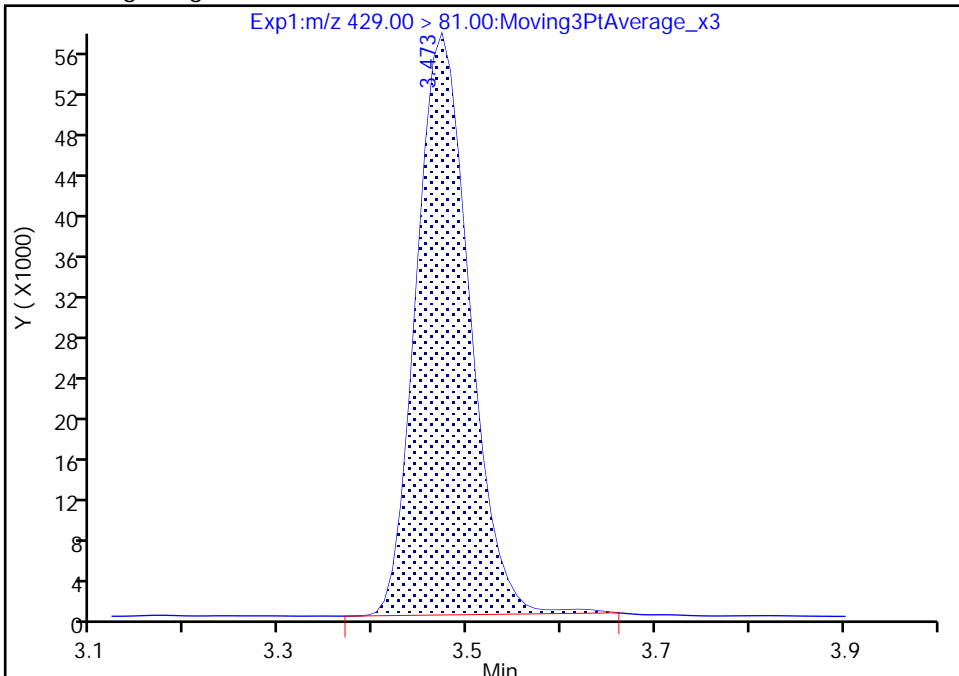
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

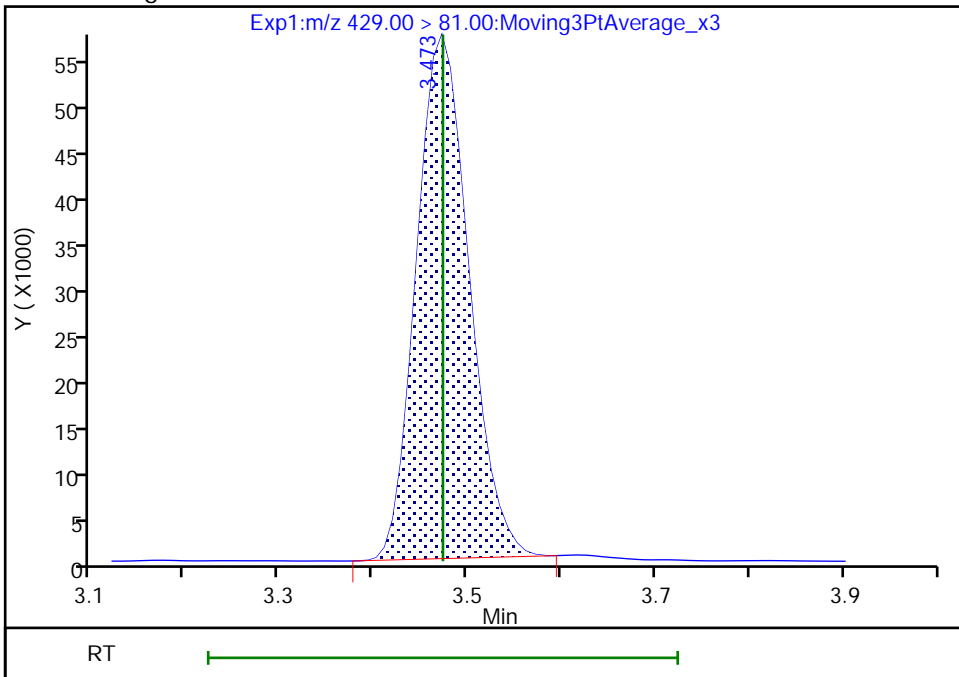
RT: 3.47
Area: 224460
Amount: 0.818873
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 221205
Amount: 0.806998
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:37:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

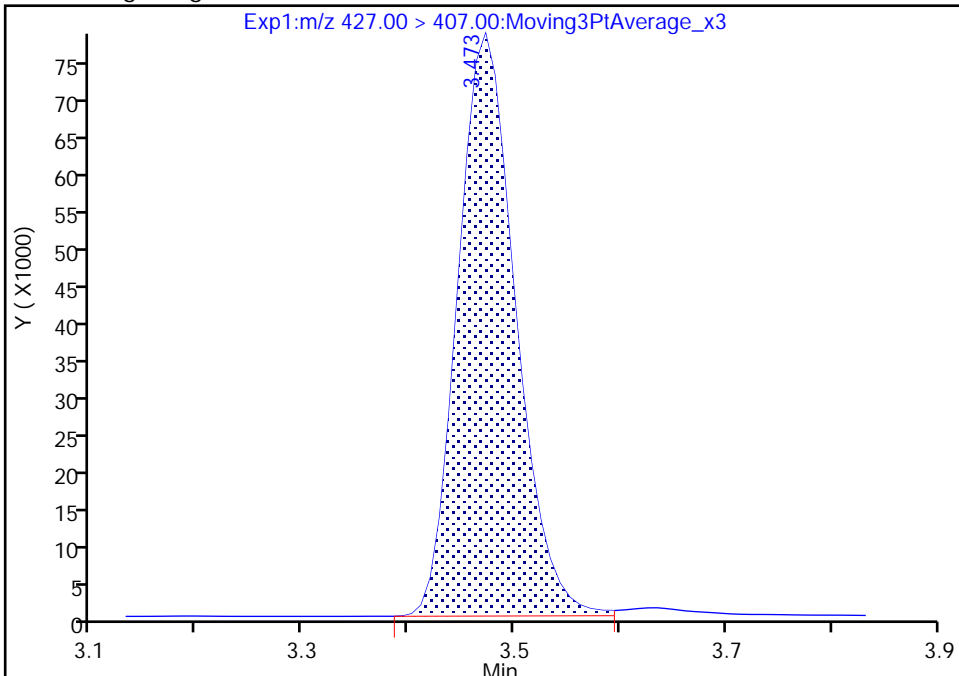
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

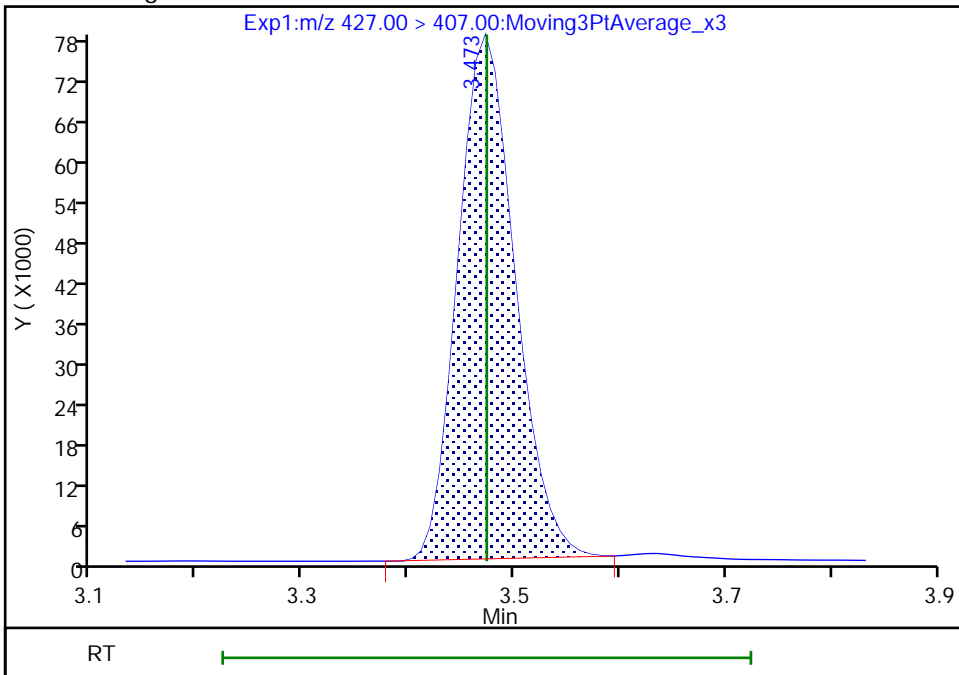
RT: 3.47
Area: 297753
Amount: 1.080118
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 293223
Amount: 1.063430
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:37:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

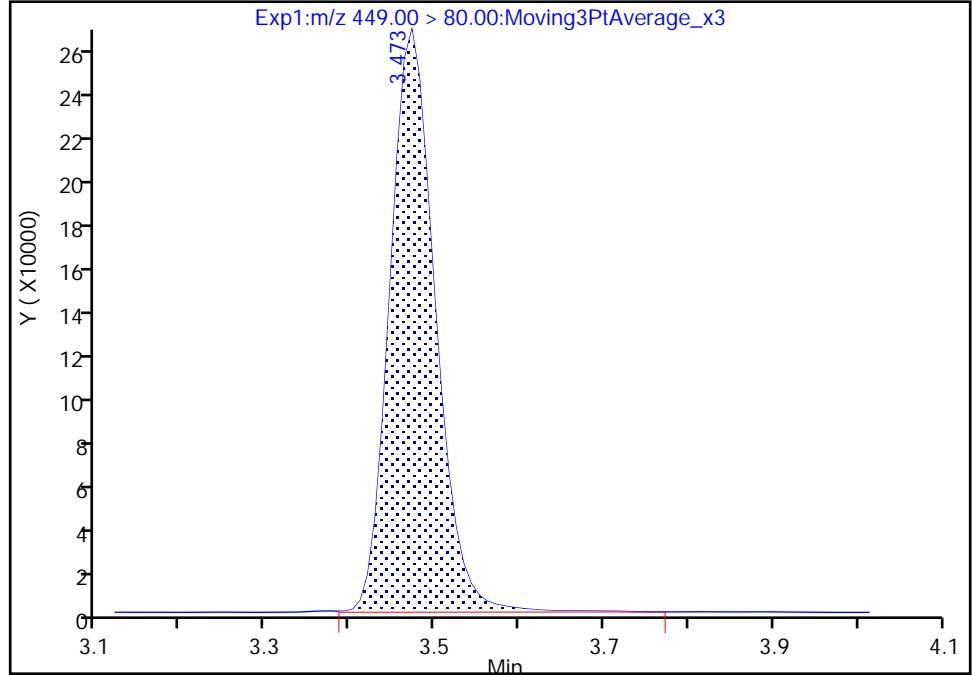
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

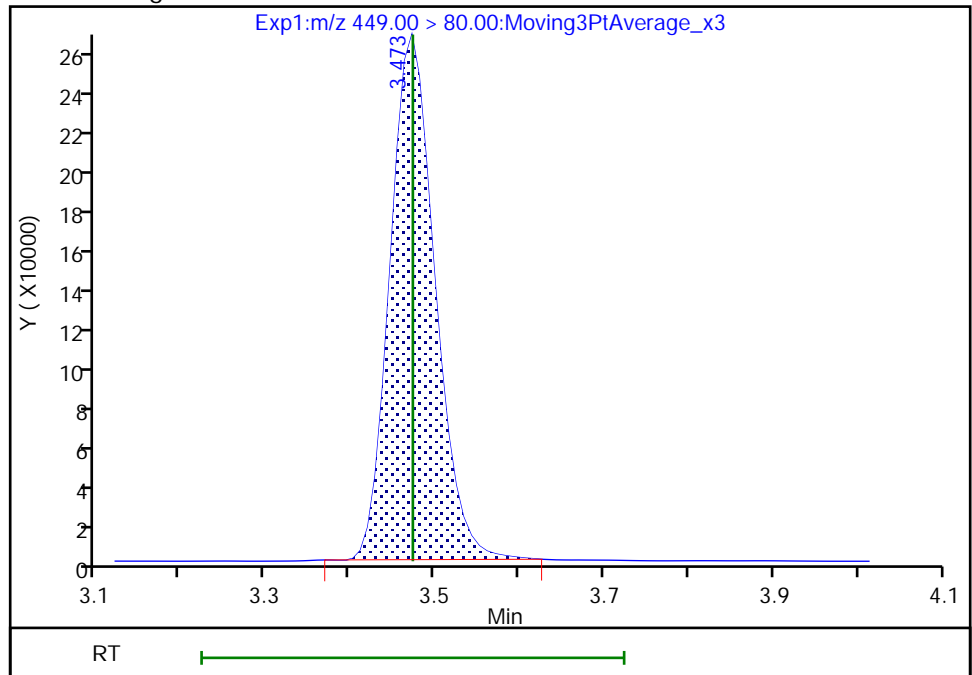
RT: 3.47
Area: 993891
Amount: 1.048304
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 980236
Amount: 1.033901
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:37:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

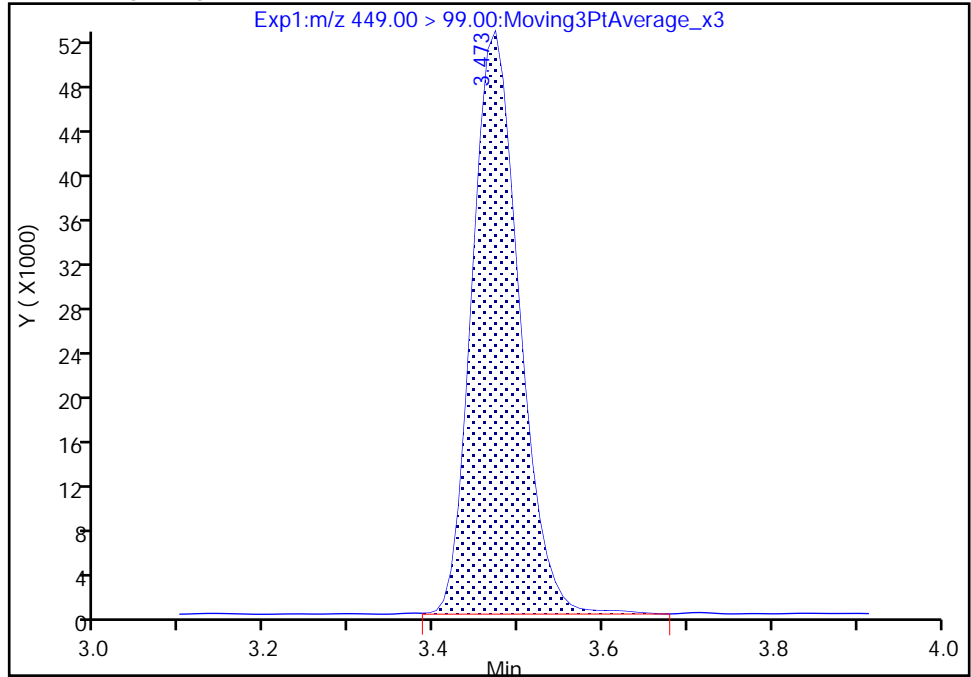
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

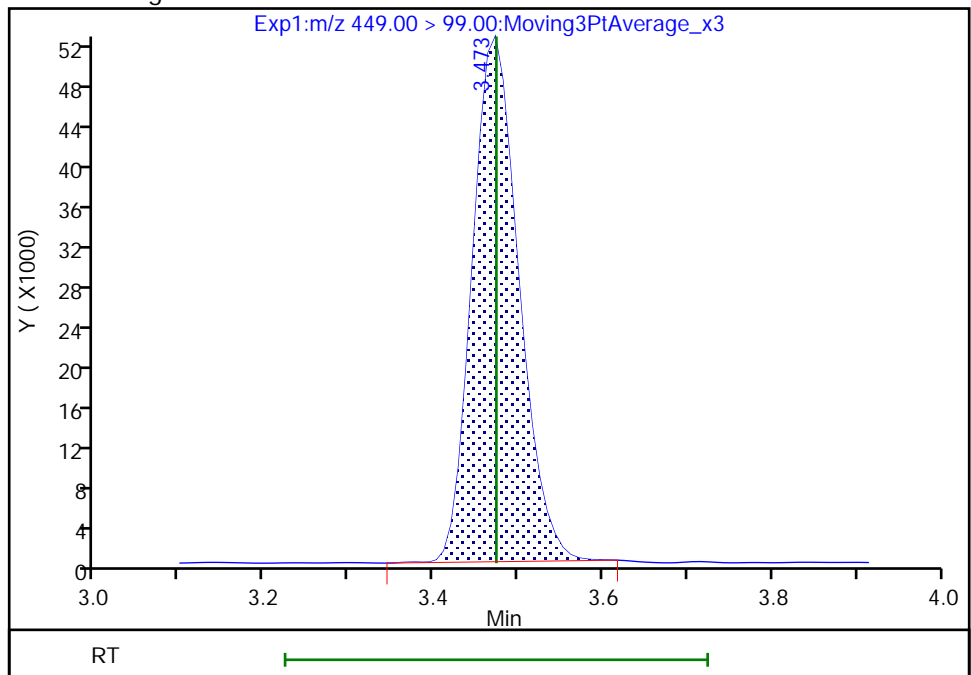
RT: 3.47
Area: 201520
Amount: 1.048304
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 199020
Amount: 1.033901
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:37:52

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

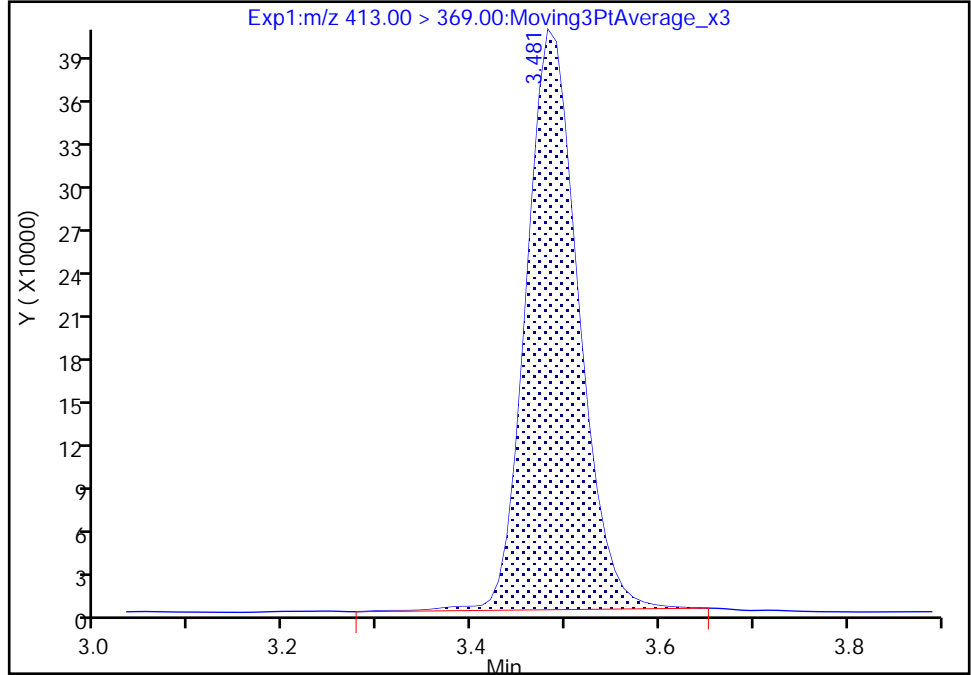
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

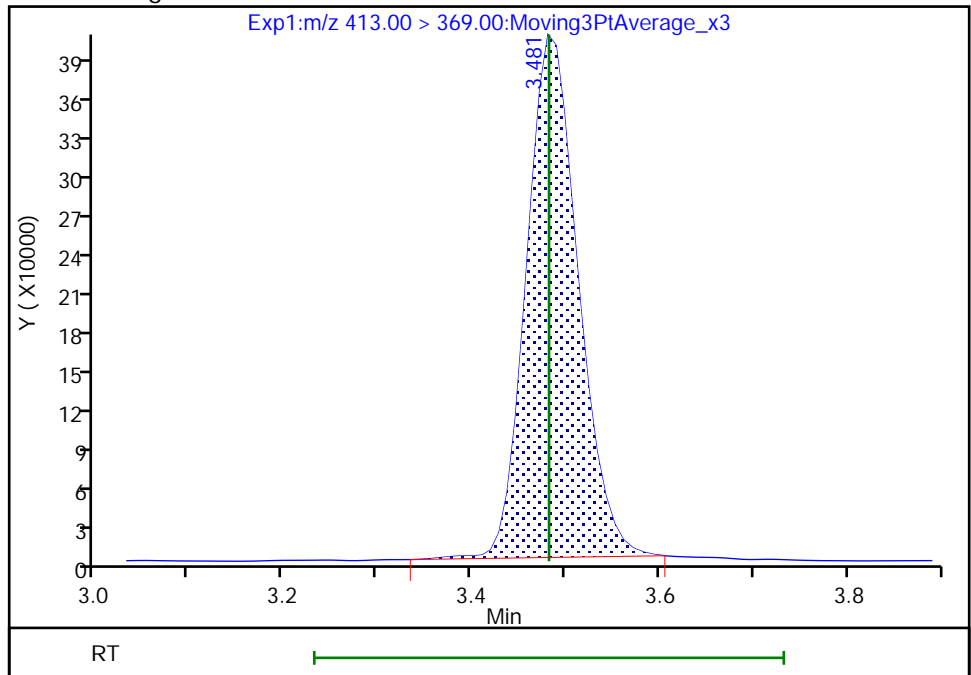
RT: 3.48
Area: 1547431
Amount: 0.964469
Amount Units: ng/ml

Processing Integration Results



RT: 3.48
Area: 1527957
Amount: 0.952332
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:37:59
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

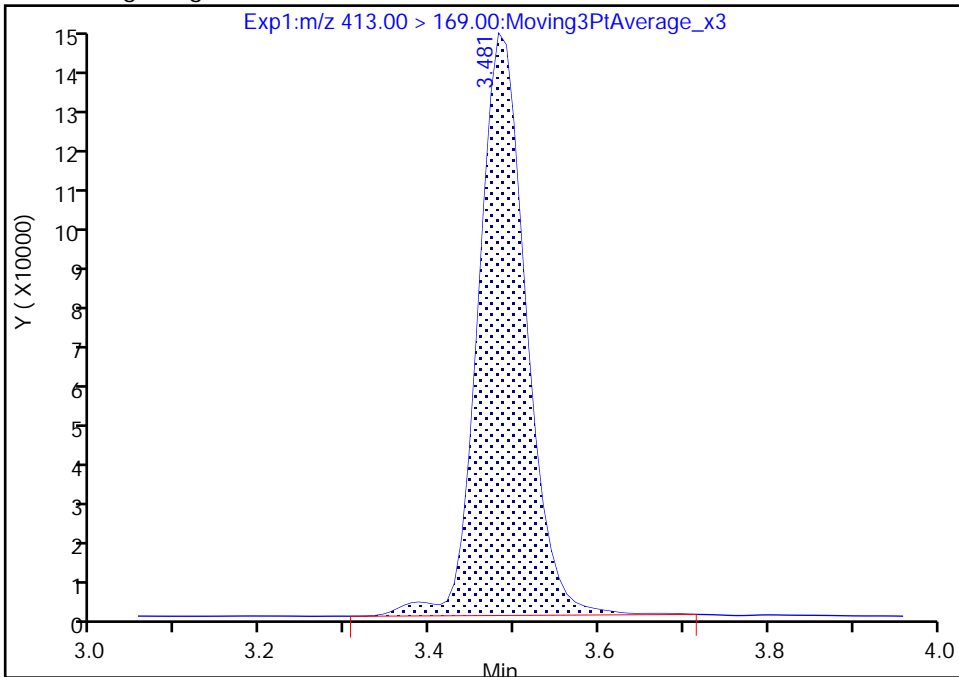
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

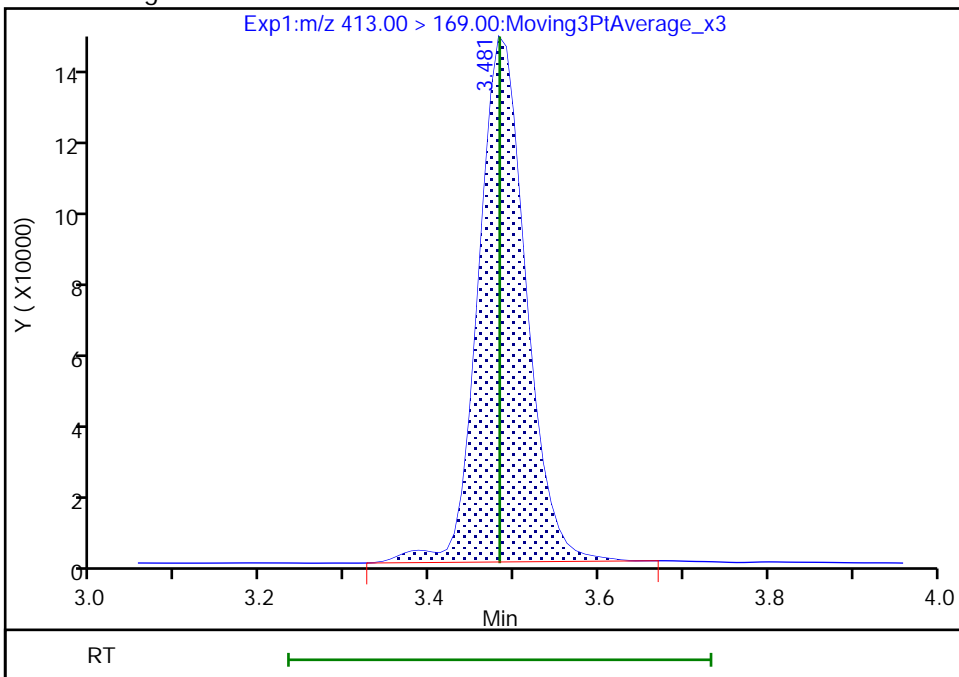
RT: 3.48
Area: 586071
Amount: 0.964469
Amount Units: ng/ml

Processing Integration Results



RT: 3.48
Area: 582551
Amount: 0.952332
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:38:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

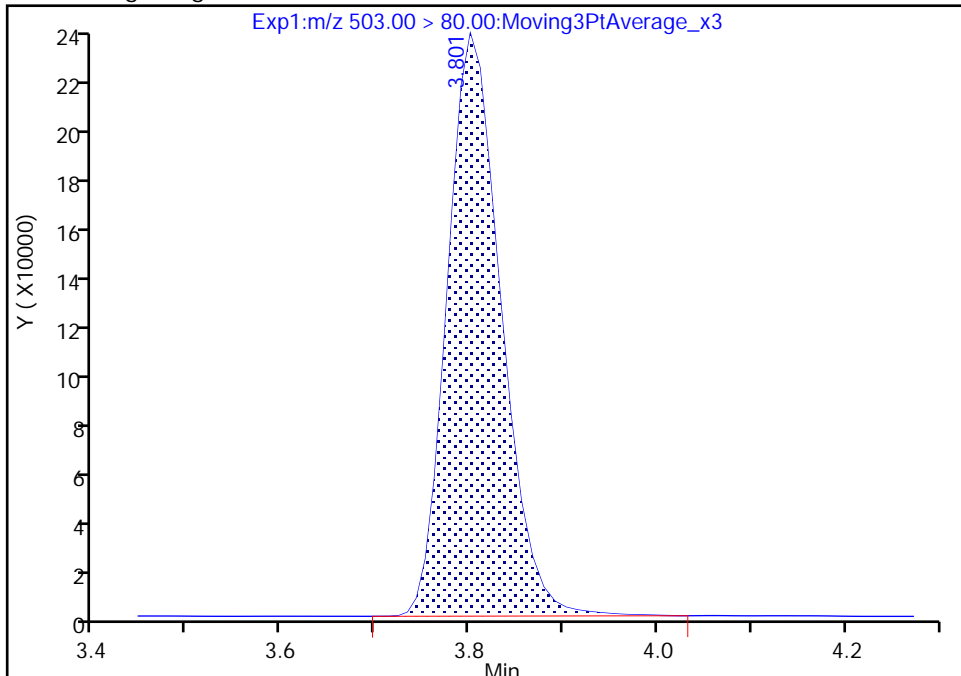
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 18 13C4 PFOS, CAS: STL00991

Signal: 1

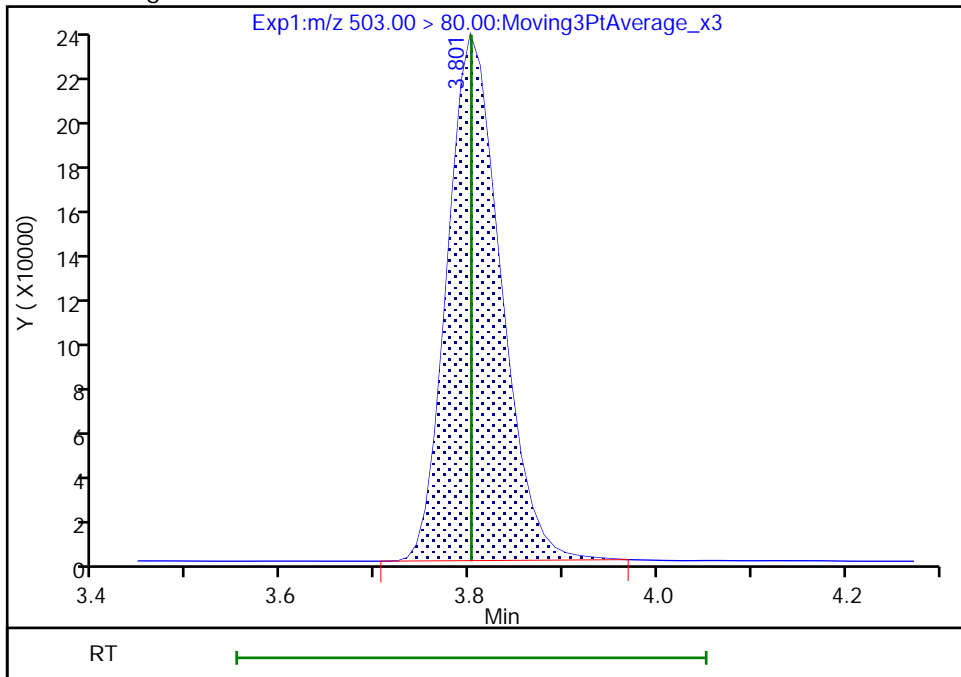
RT: 3.80
Area: 921321
Amount: 0.749729
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 916636
Amount: 0.749572
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:24:21
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

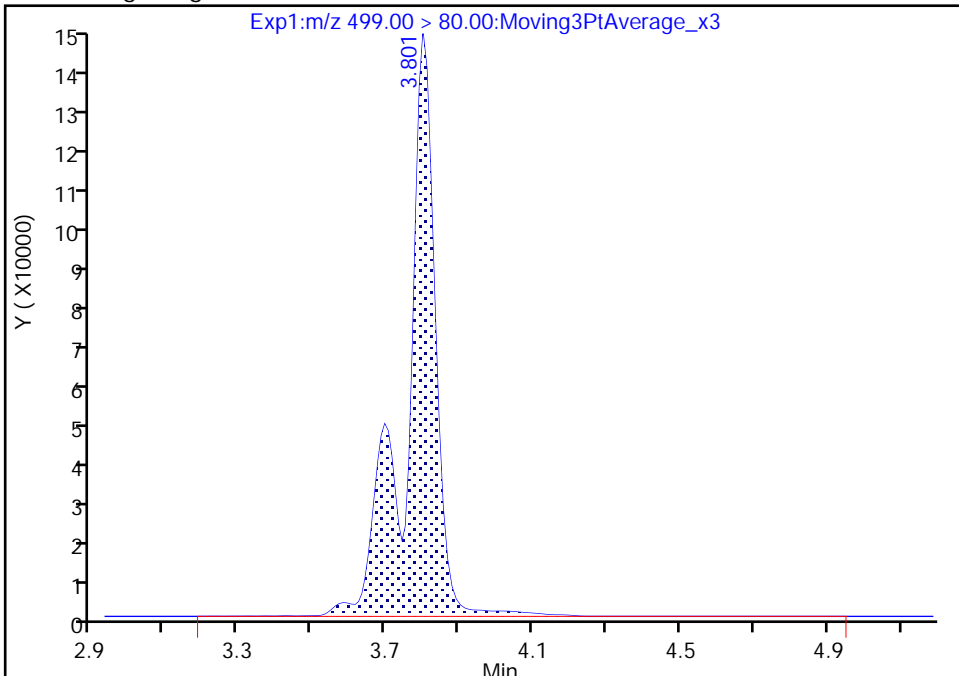
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

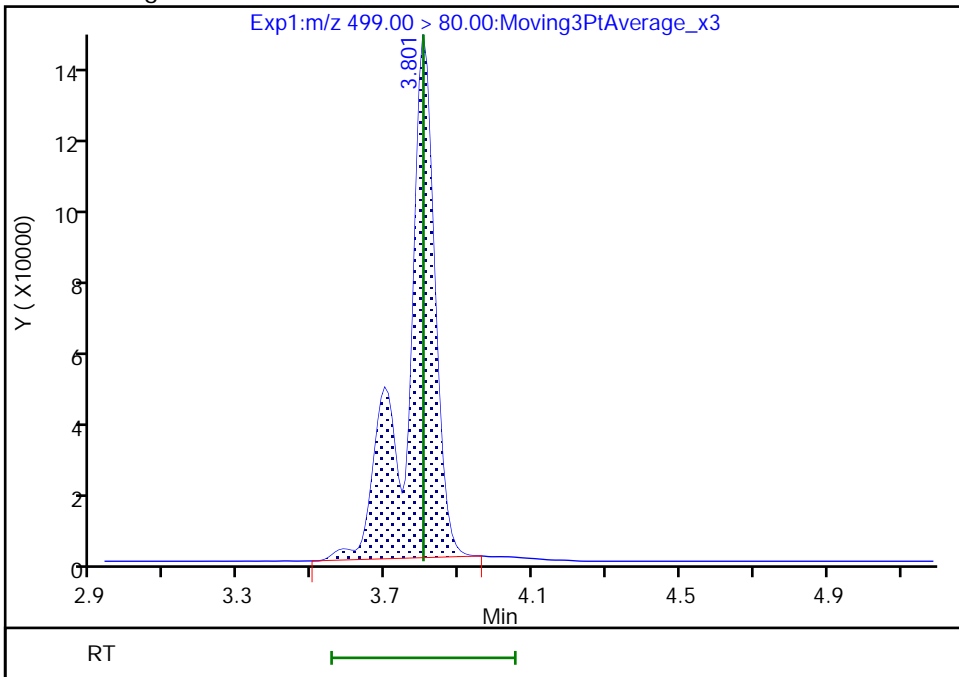
RT: 3.80
Area: 807749
Amount: 1.039923
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 773514
Amount: 0.995064
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:38:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

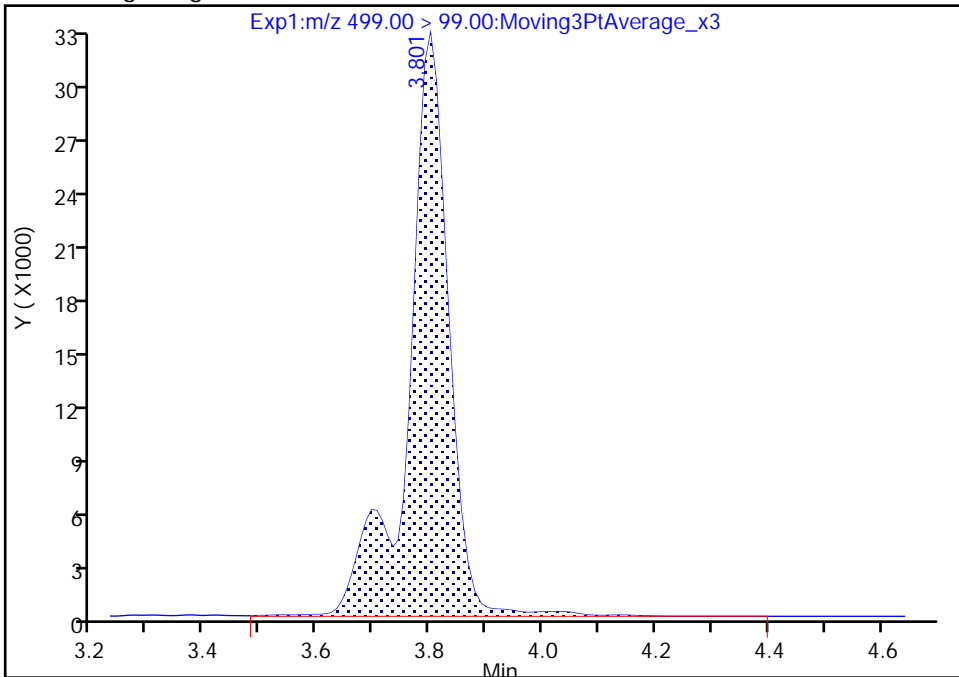
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

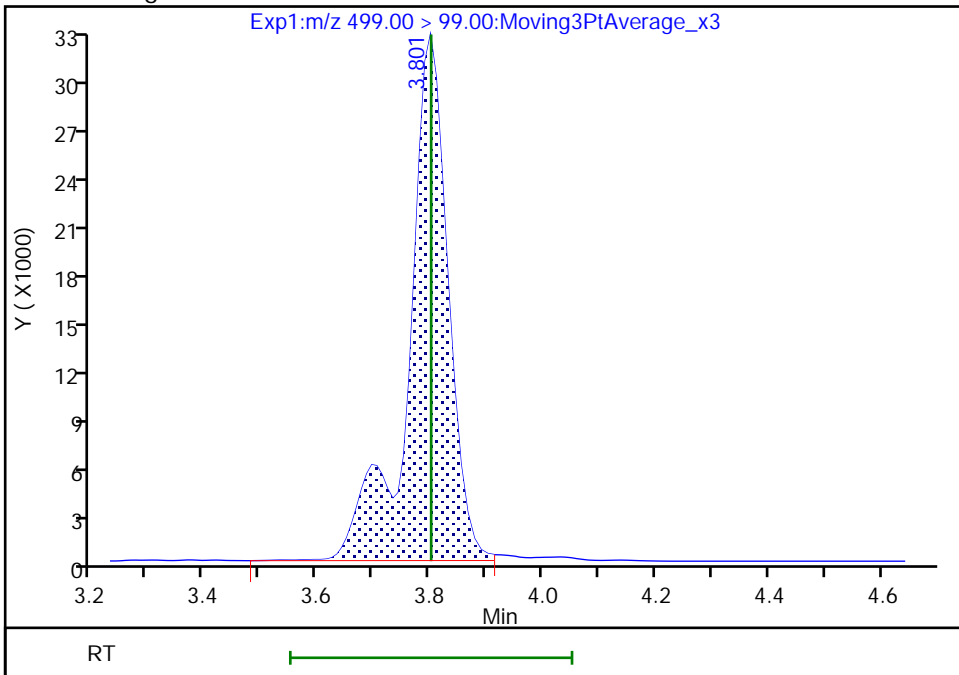
RT: 3.80
Area: 160469
Amount: 1.039923
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 156755
Amount: 0.995064
Amount Units: ng/ml

Manual Integration Results



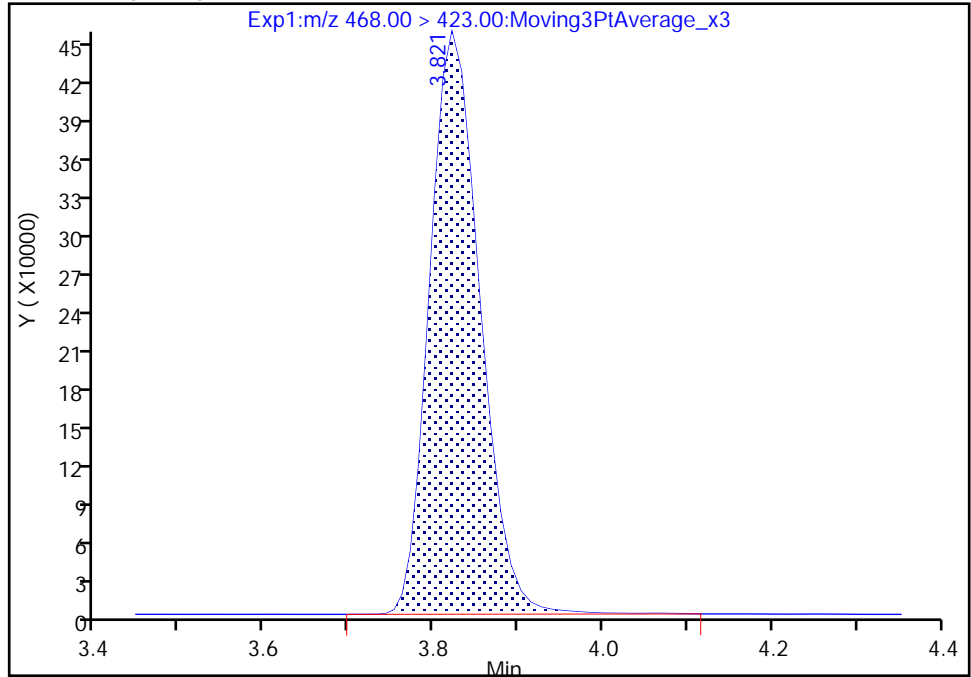
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 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 19 13C5 PFNA, CAS: STL00995
Signal: 1

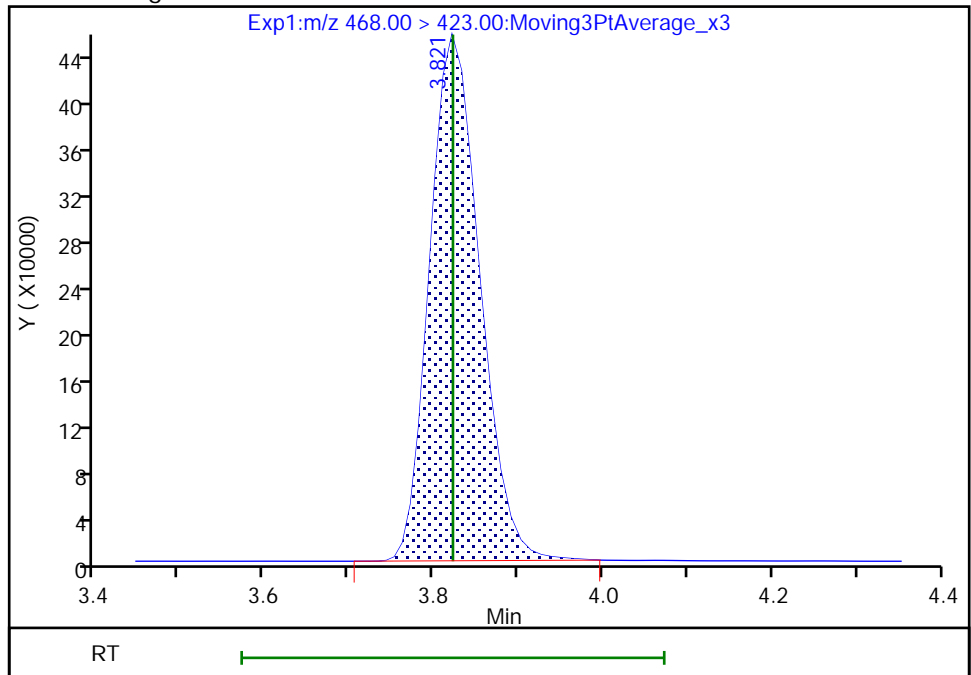
RT: 3.82
Area: 1870428
Amount: 0.843669
Amount Units: ng/ml

Processing Integration Results



RT: 3.82
Area: 1861564
Amount: 0.839670
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:39:03
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

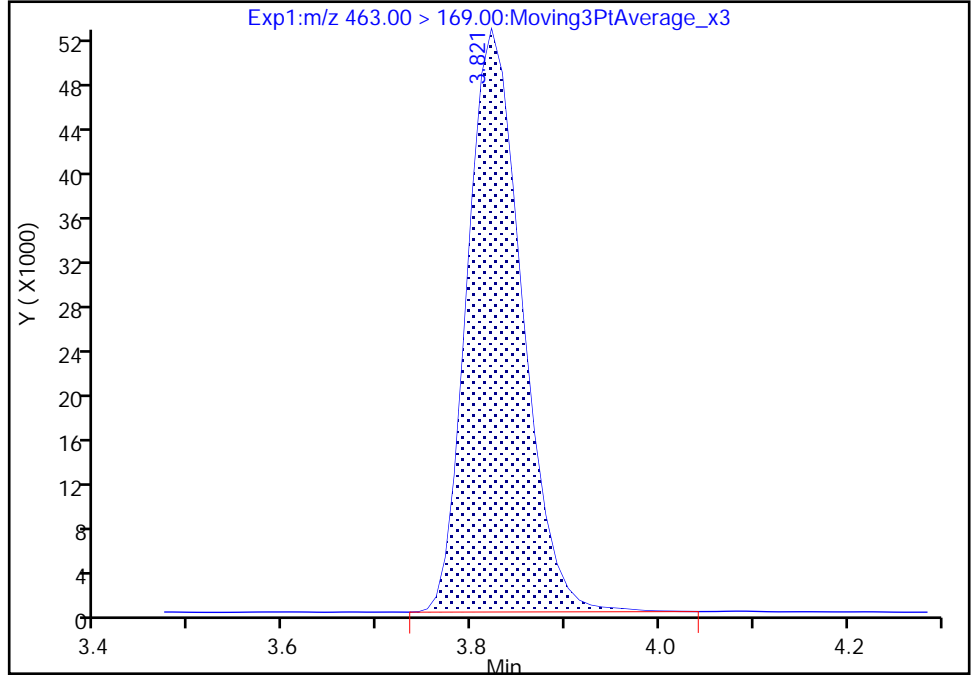
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

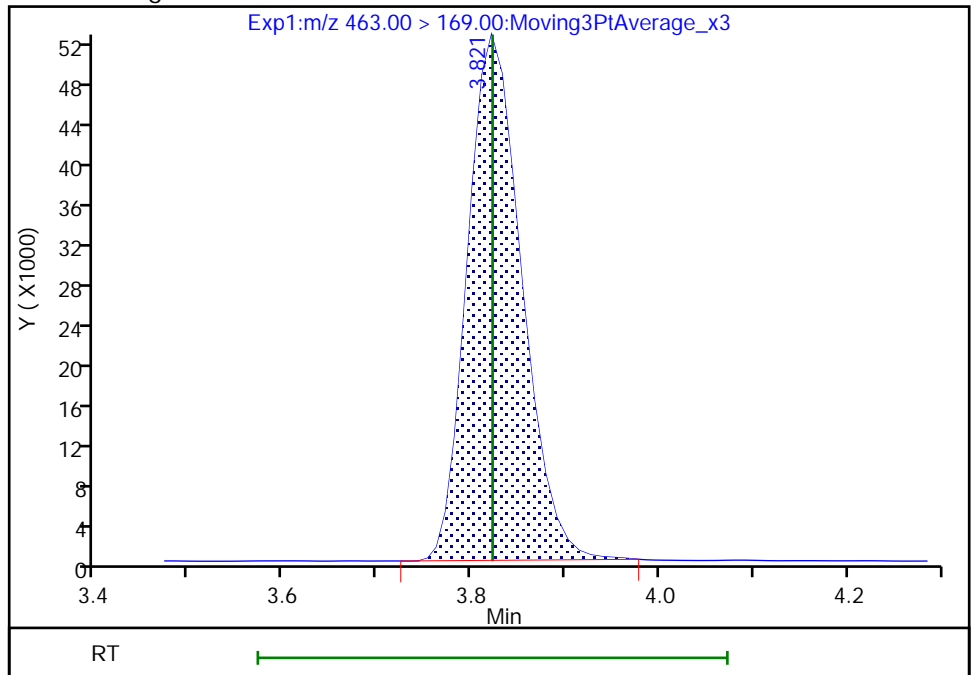
RT: 3.82
Area: 211007
Amount: 1.091114
Amount Units: ng/ml

Processing Integration Results



RT: 3.82
Area: 209775
Amount: 1.091114
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:39:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

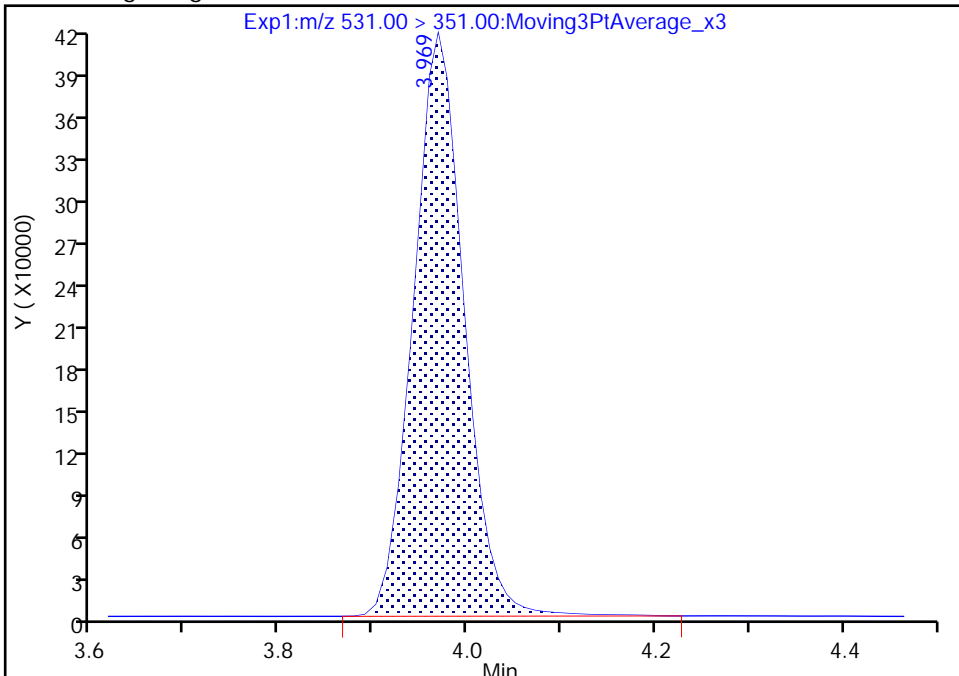
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d		
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812
Lims ID:	ICV		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	12

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

Signal: 1

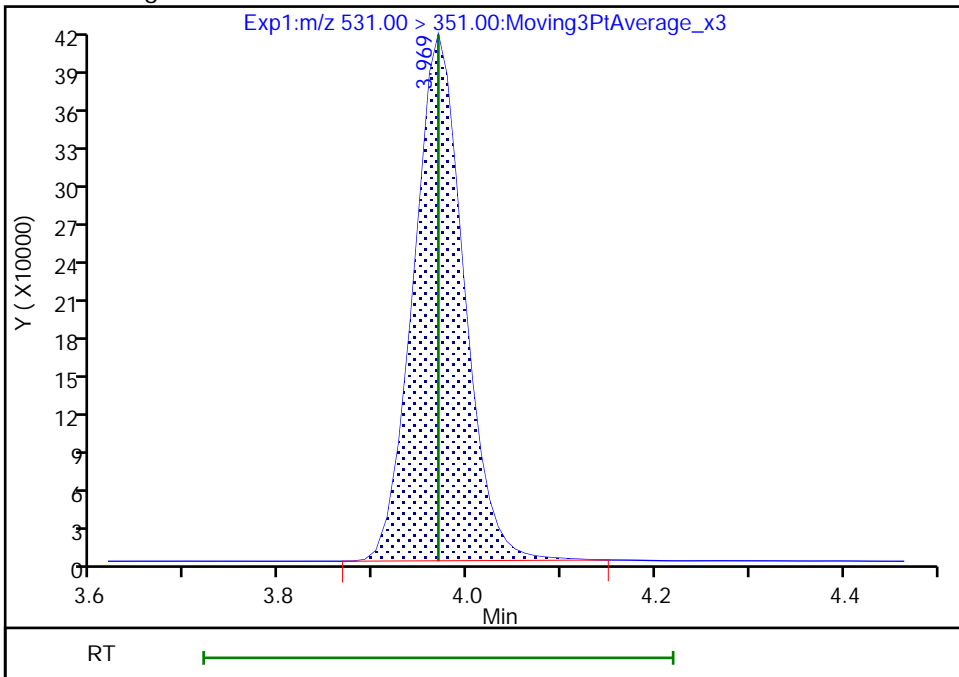
RT: 3.97
 Area: 1545463
 Amount: 1.140555
 Amount Units: ng/ml

Processing Integration Results



RT: 3.97
 Area: 1537545
 Amount: 1.134711
 Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:39:13
 Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

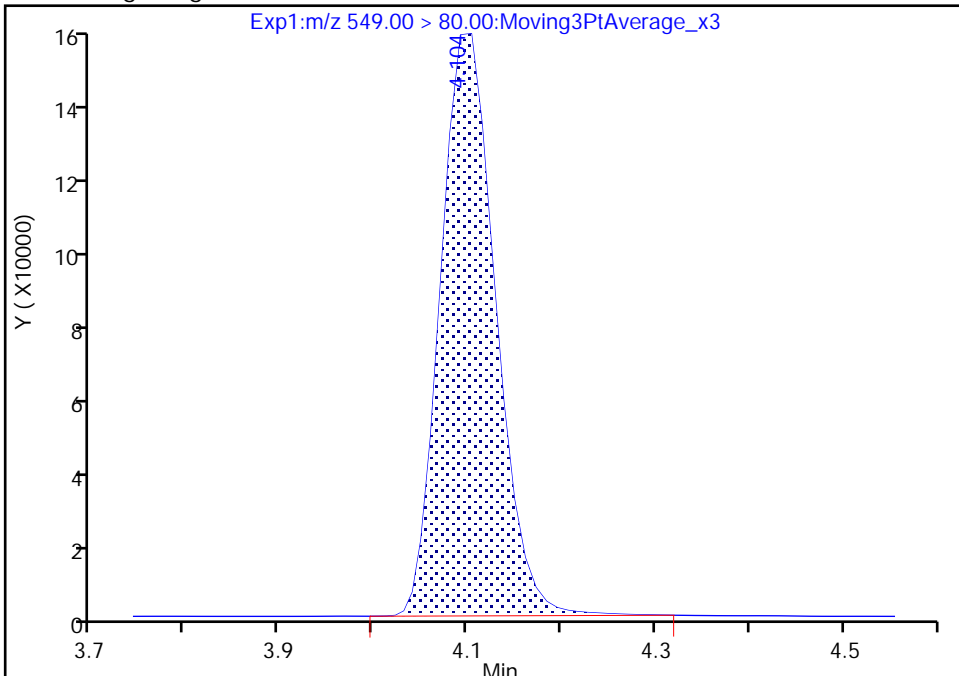
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 1

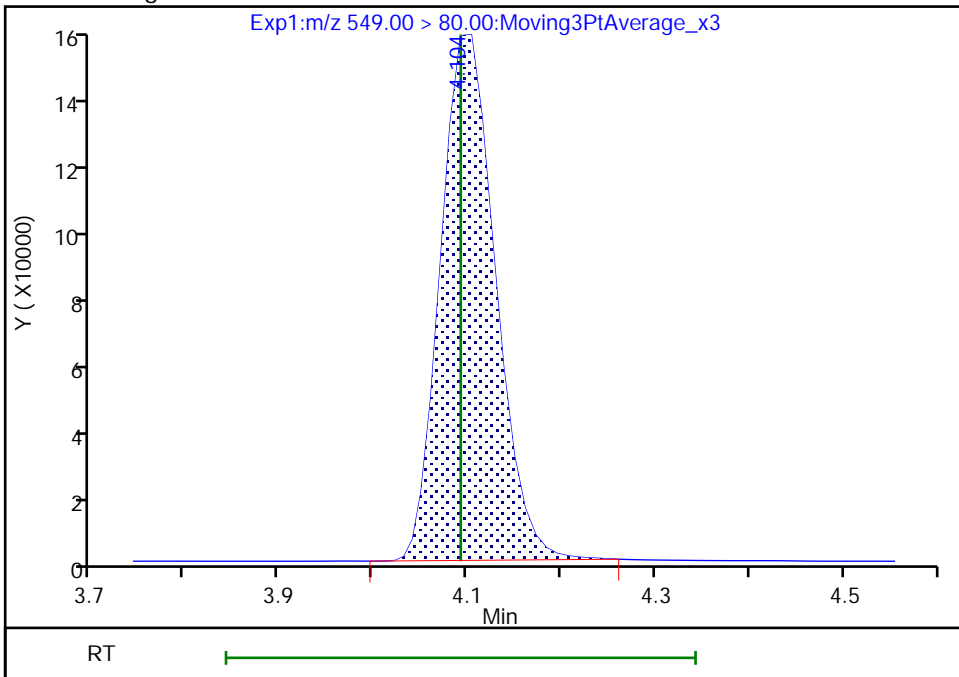
RT: 4.10
Area: 630659
Amount: 1.050069
Amount Units: ng/ml

Processing Integration Results



RT: 4.10
Area: 627438
Amount: 1.044706
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:39:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

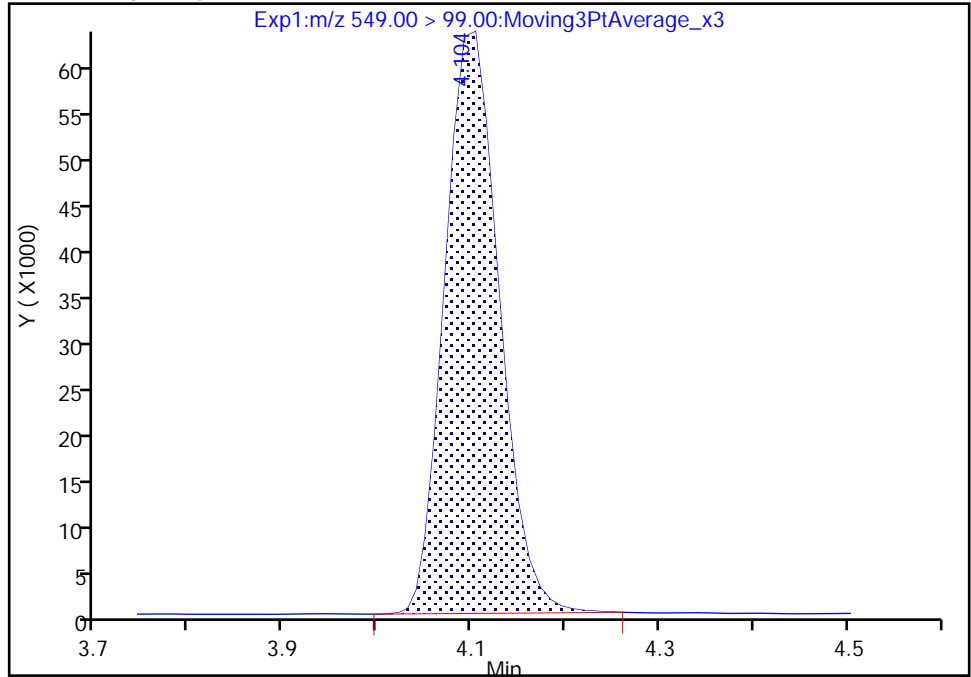
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 2

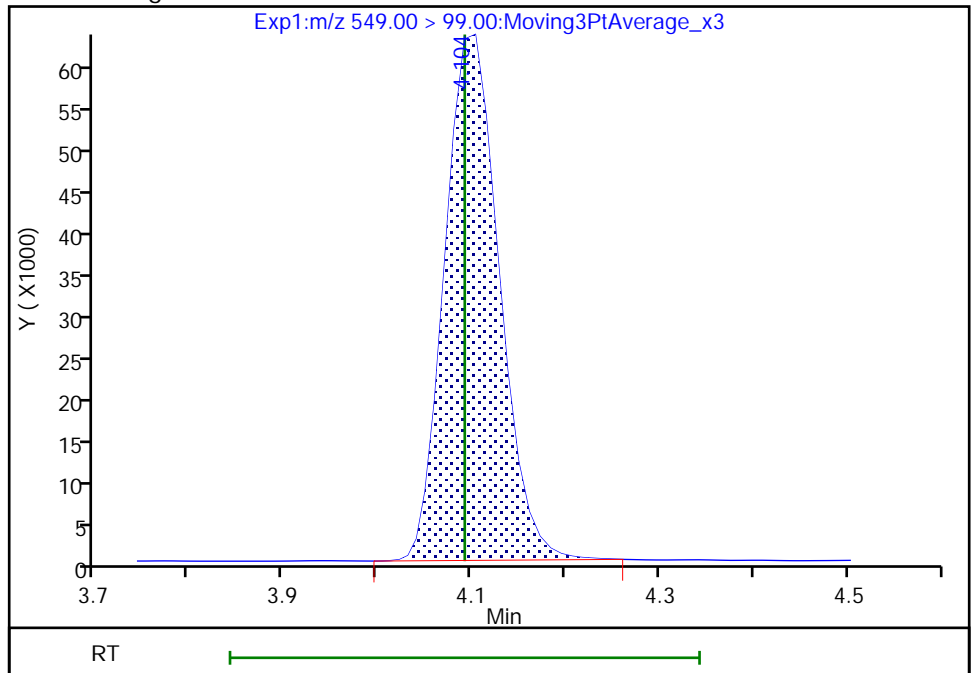
RT: 4.10
Area: 256410
Amount: 1.050069
Amount Units: ng/ml

Processing Integration Results



RT: 4.10
Area: 256410
Amount: 1.044706
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:39:28

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

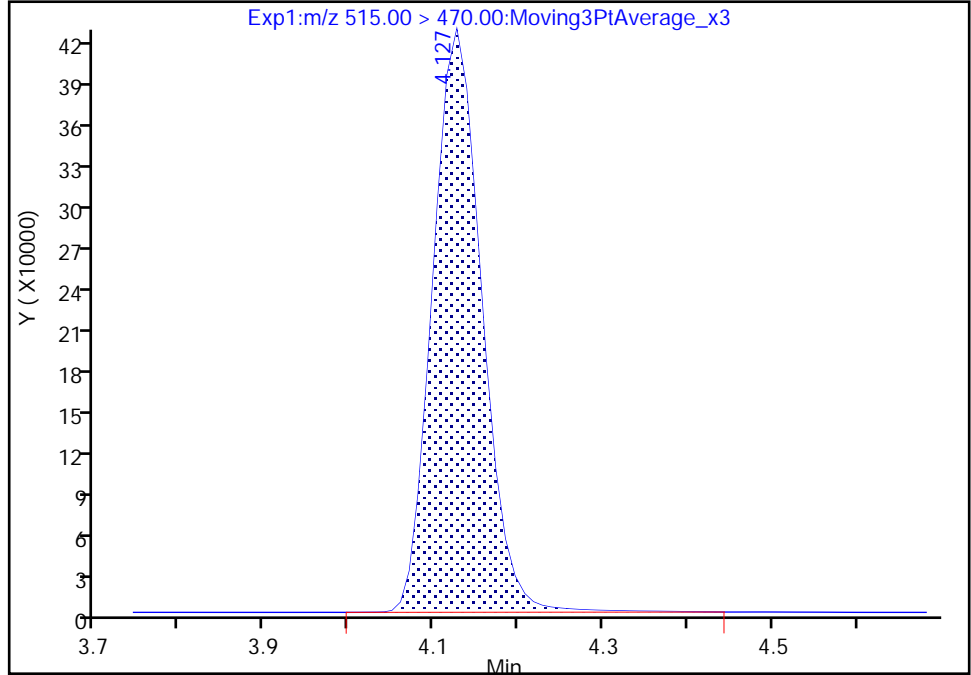
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 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 23 13C2 PFDA, CAS: STL00996
Signal: 1

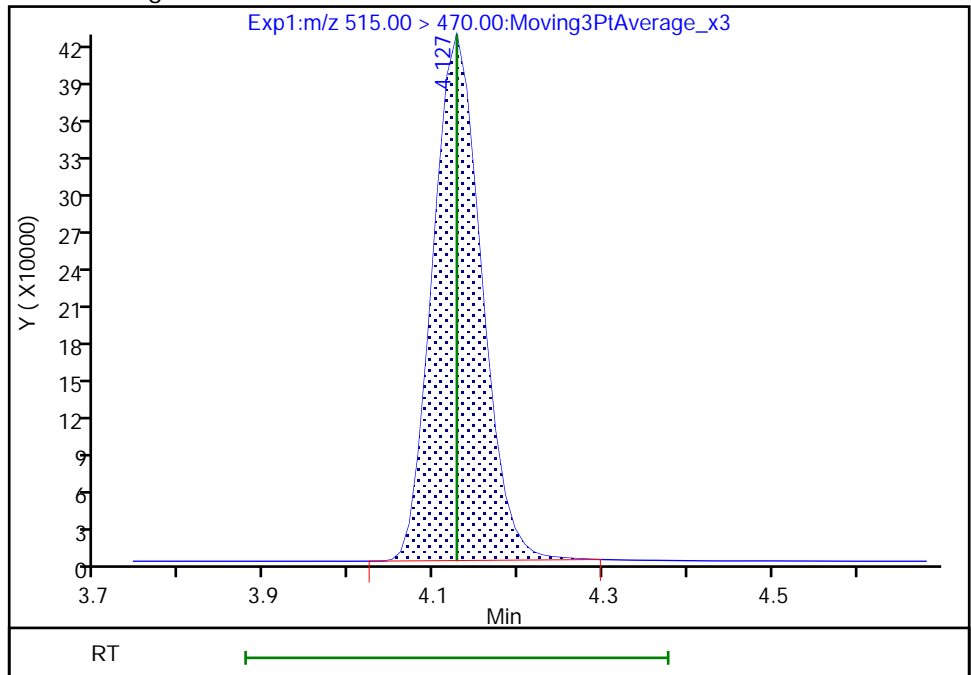
RT: 4.13
Area: 1731957
Amount: 0.802695
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 1716953
Amount: 0.795741
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:39:45
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

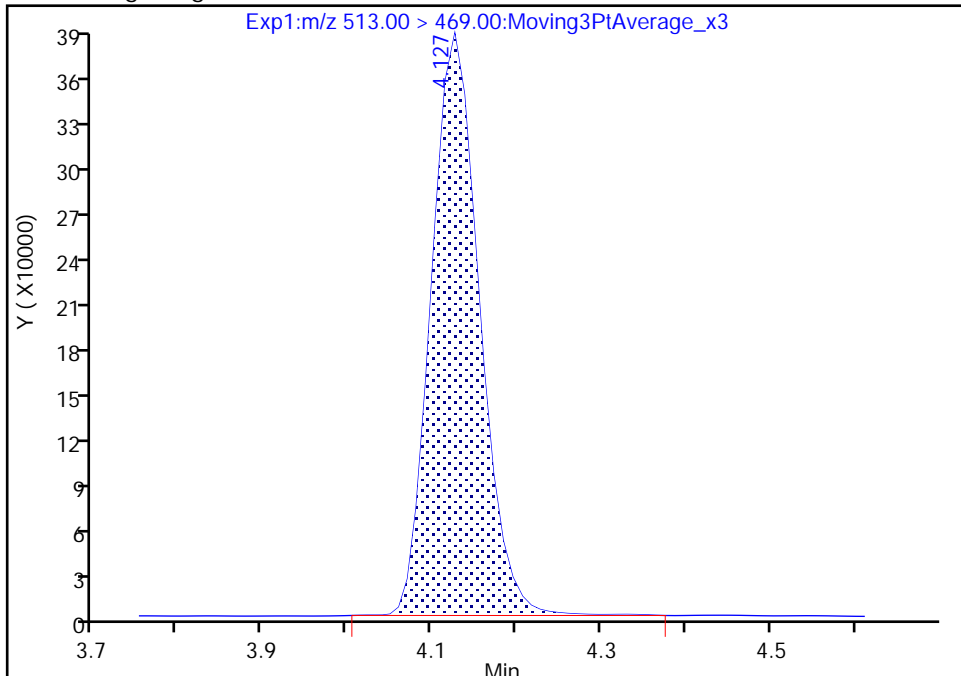
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

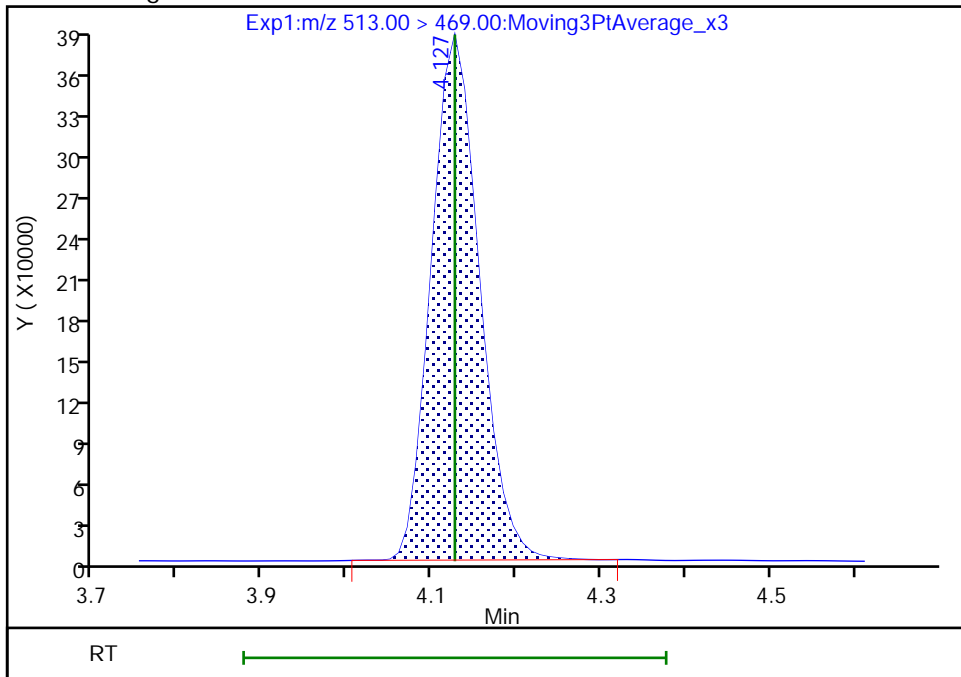
RT: 4.13
Area: 1534533
Amount: 1.053072
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 1526795
Amount: 1.056918
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:39:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

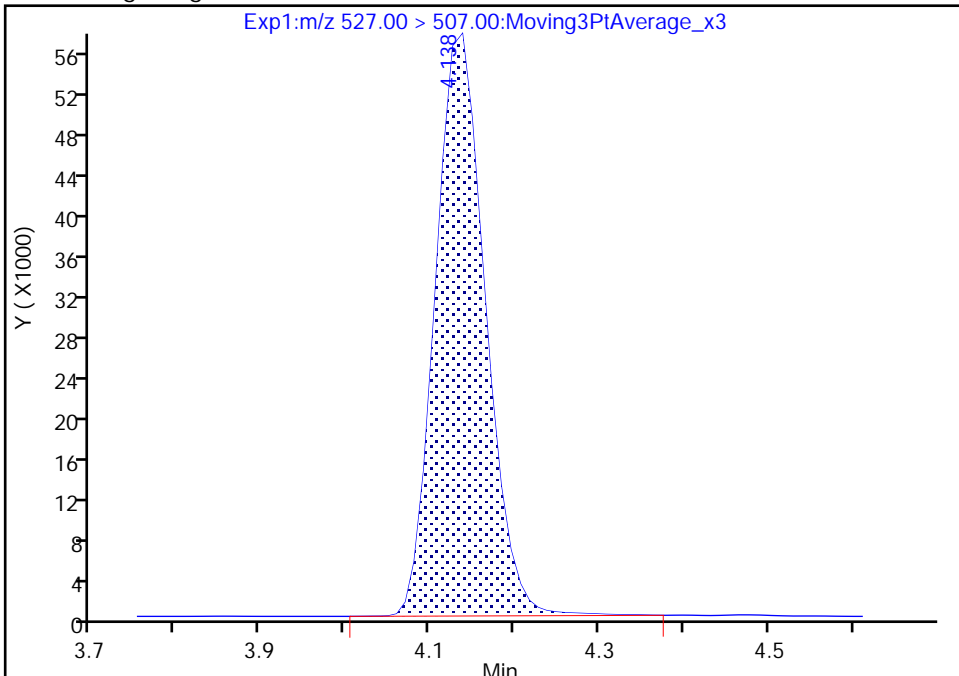
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

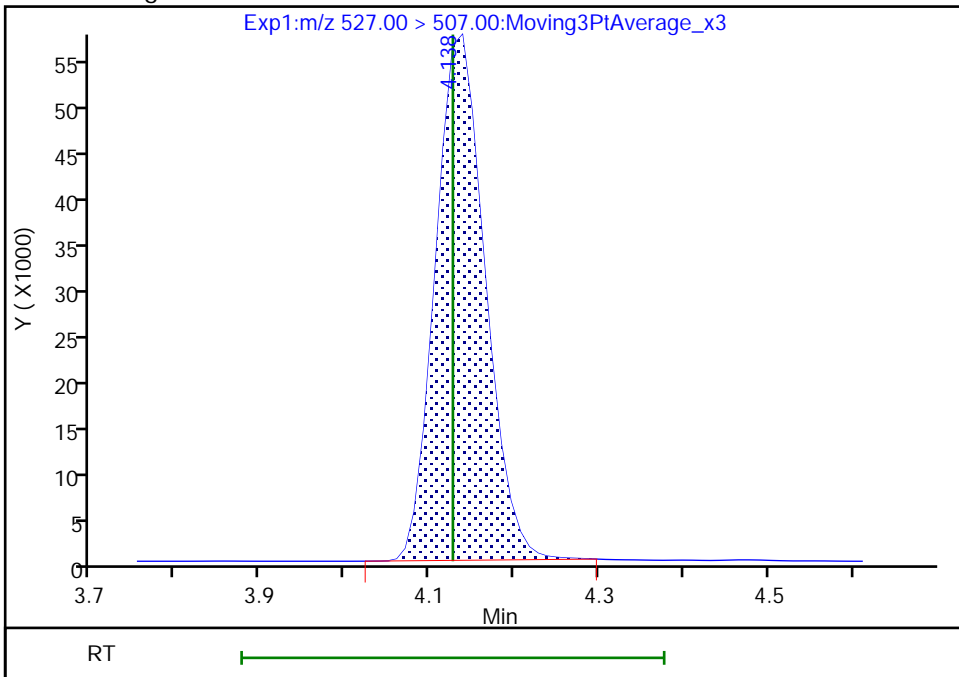
RT: 4.14
Area: 233893
Amount: 1.078748
Amount Units: ng/ml

Processing Integration Results



RT: 4.14
Area: 232301
Amount: 1.078905
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:39:36
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

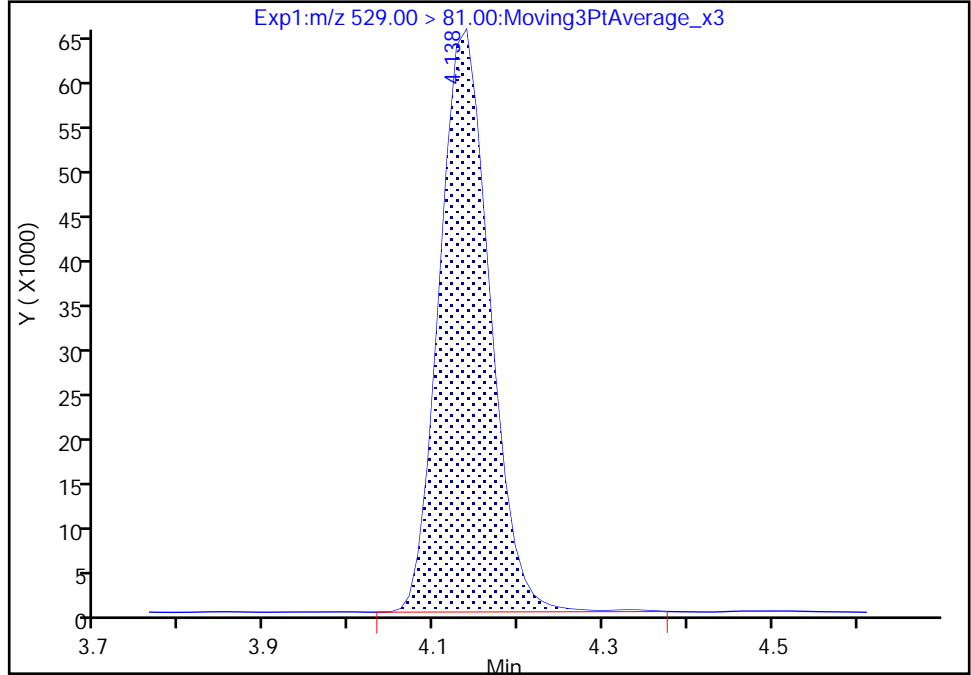
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 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 26 M2-8:2 FTS, CAS: STL02280
Signal: 1

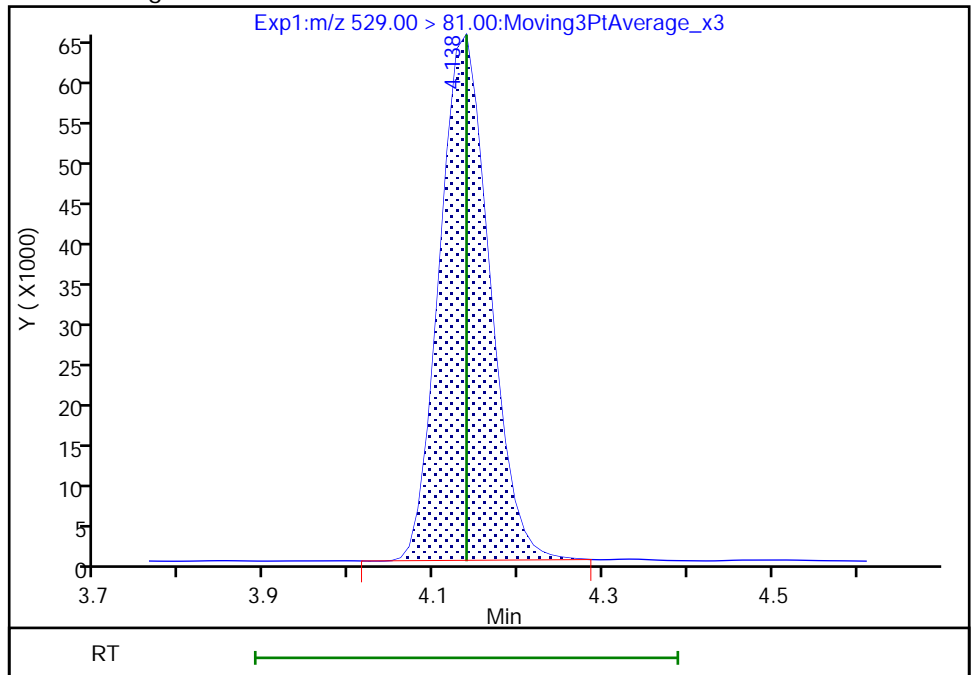
RT: 4.14
Area: 268873
Amount: 0.815233
Amount Units: ng/ml

Processing Integration Results



RT: 4.14
Area: 267004
Amount: 0.809566
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:39:57
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

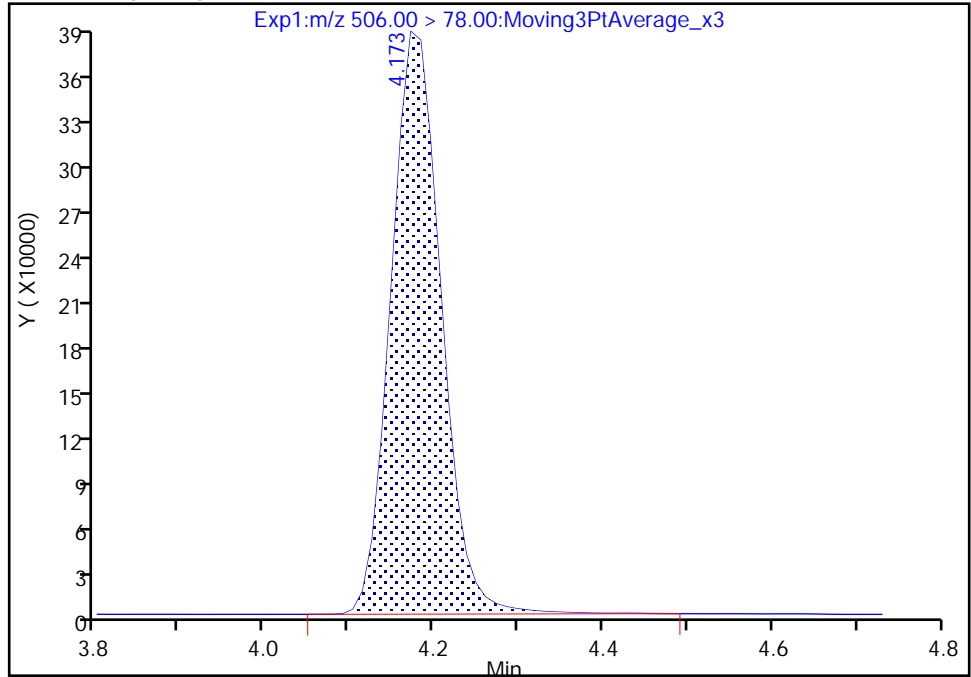
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 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

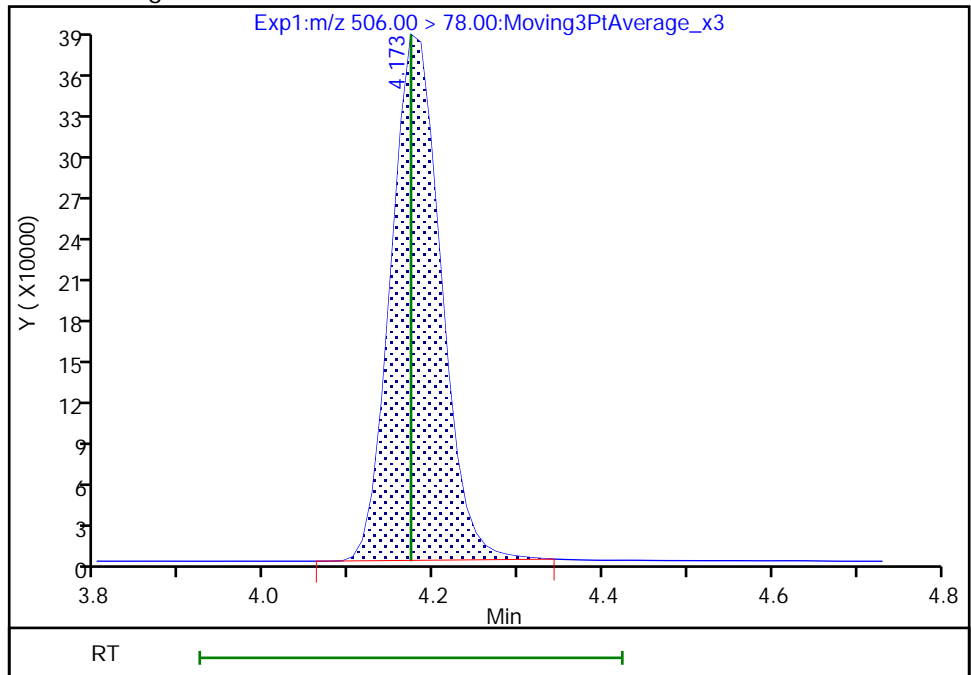
RT: 4.17
Area: 1577327
Amount: 0.835248
Amount Units: ng/ml

Processing Integration Results



RT: 4.17
Area: 1563396
Amount: 0.827871
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:40:01
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

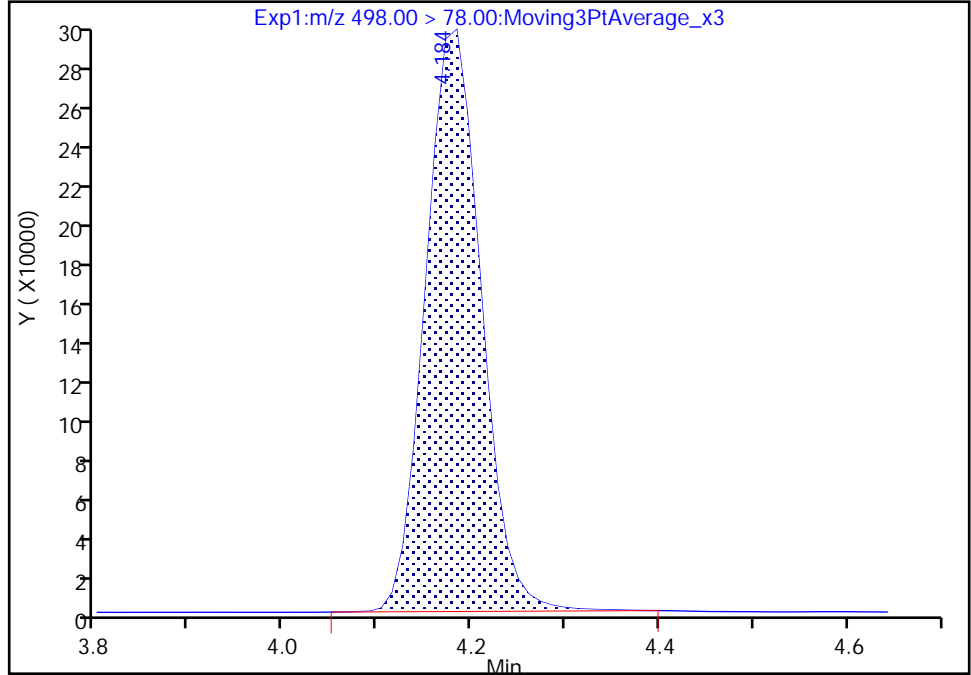
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

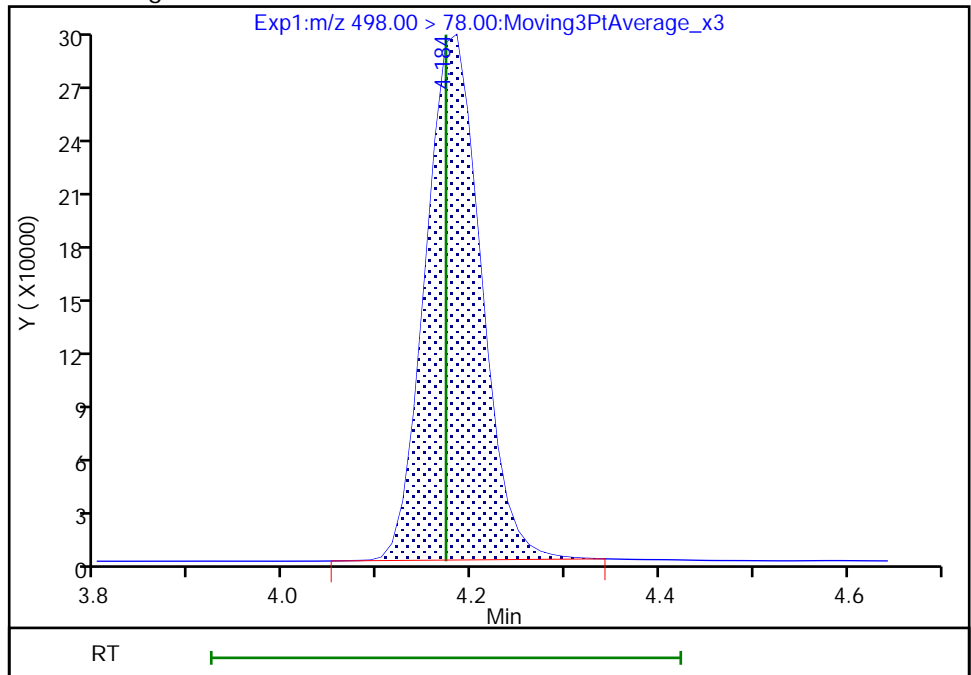
RT: 4.18
Area: 1214888
Amount: 0.953234
Amount Units: ng/ml

Processing Integration Results



RT: 4.18
Area: 1209120
Amount: 0.948708
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:40:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

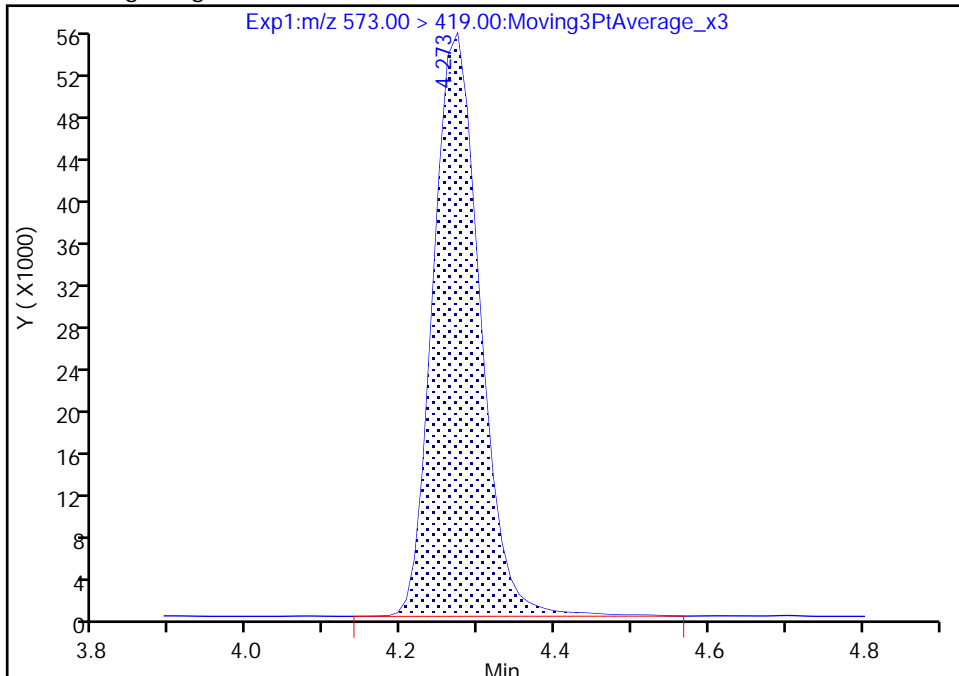
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

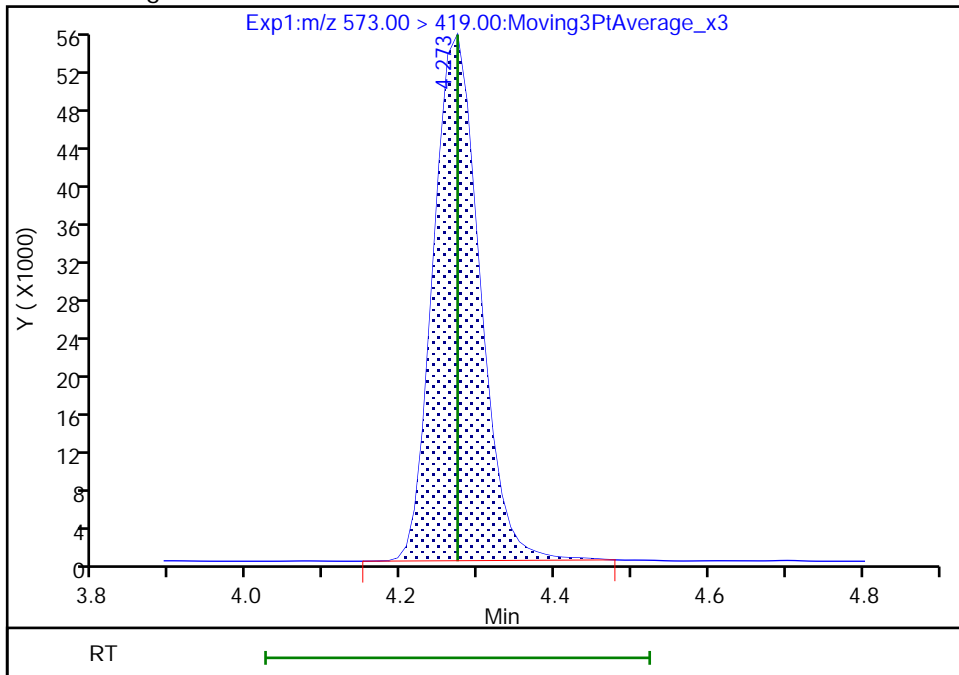
RT: 4.27
Area: 234684
Amount: 0.811502
Amount Units: ng/ml

Processing Integration Results



RT: 4.27
Area: 233049
Amount: 0.805849
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:40:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

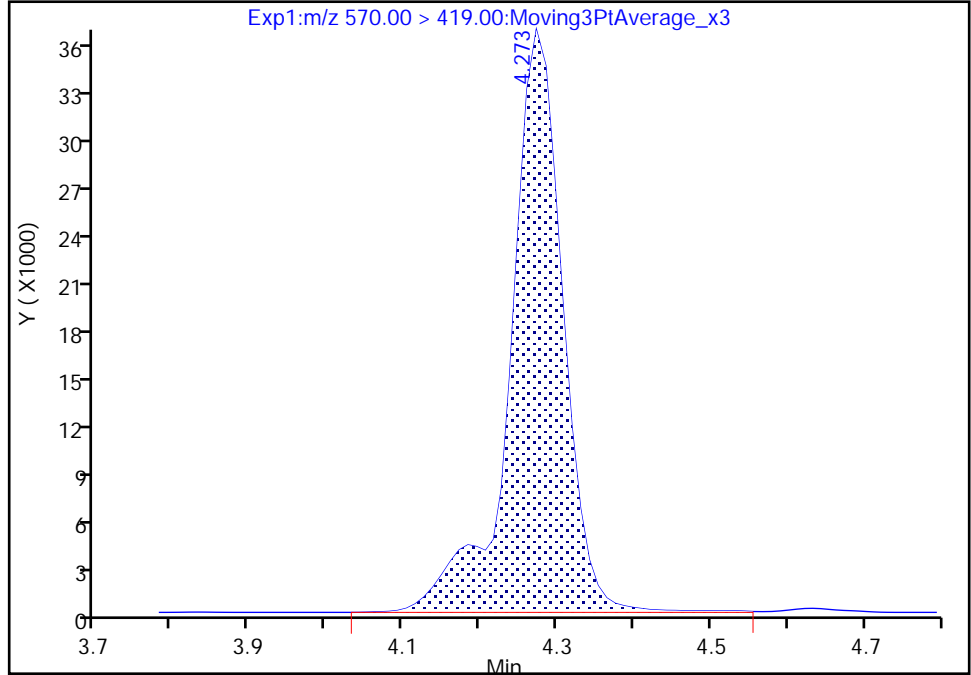
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

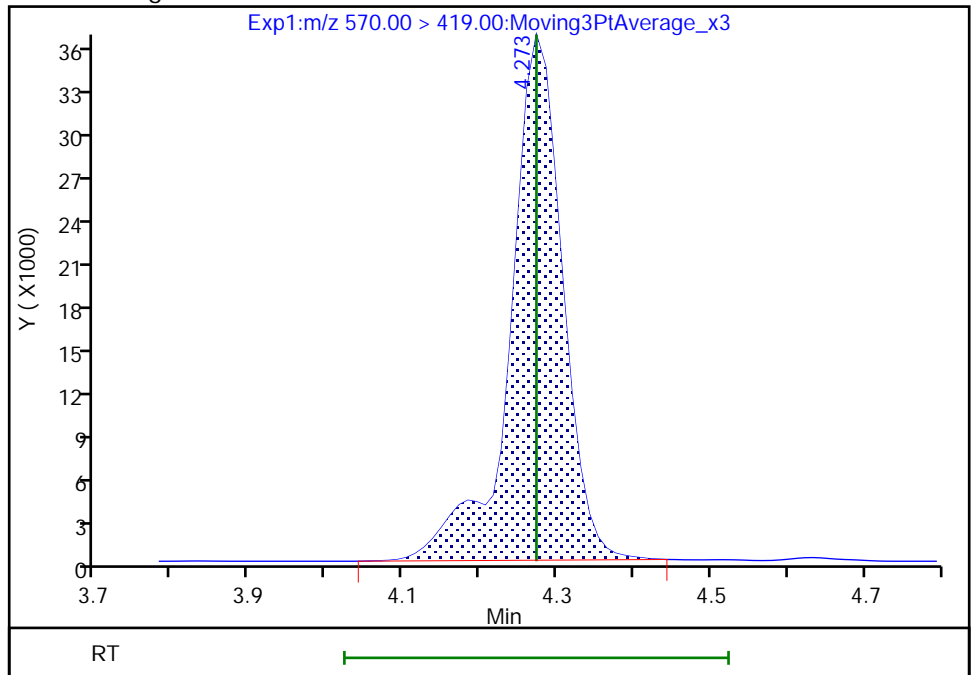
RT: 4.27
Area: 176320
Amount: 1.057452
Amount Units: ng/ml

Processing Integration Results



RT: 4.27
Area: 174136
Amount: 1.051681
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:40:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

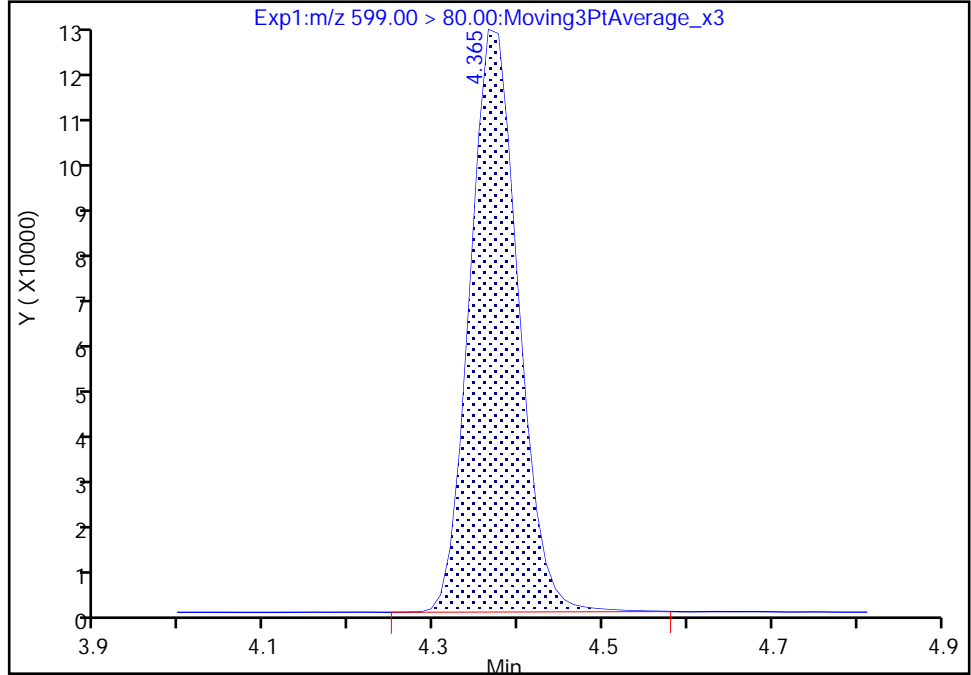
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

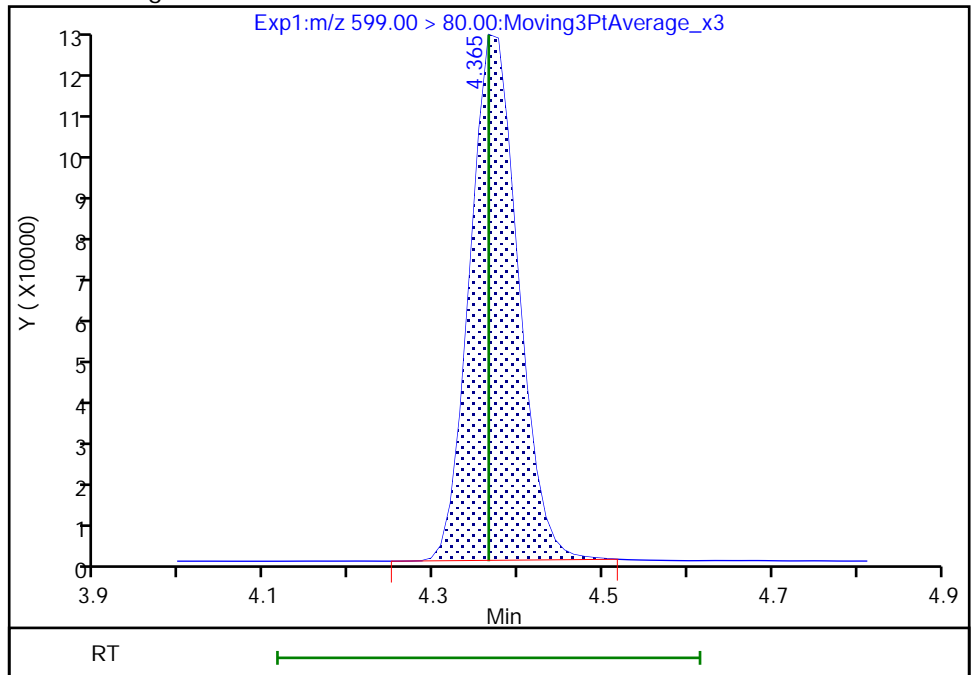
RT: 4.36
Area: 509645
Amount: 1.140322
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 506441
Amount: 1.133153
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:40:21
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

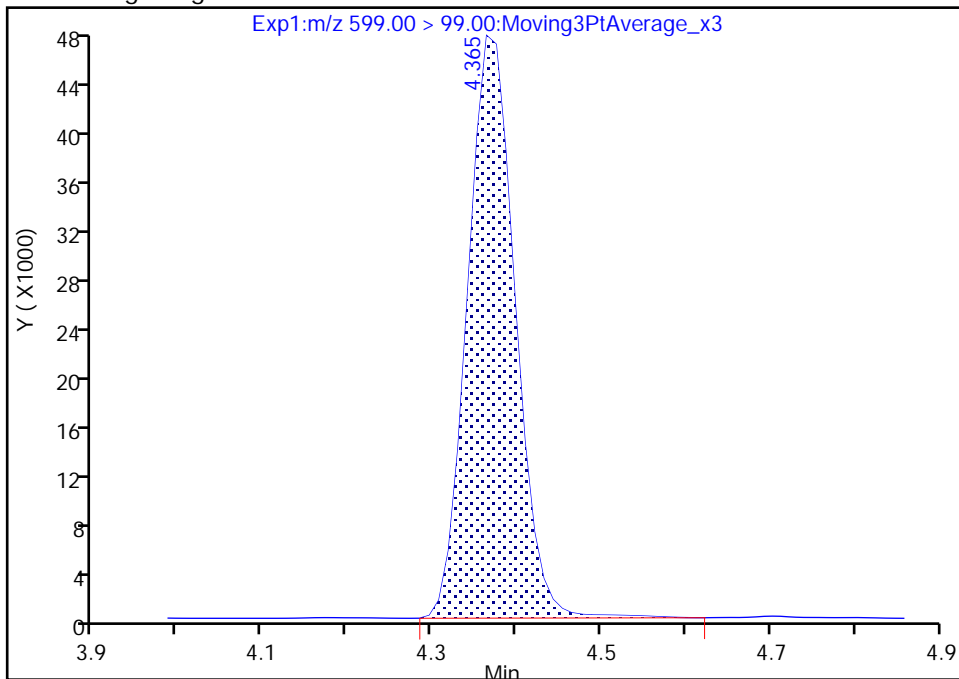
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

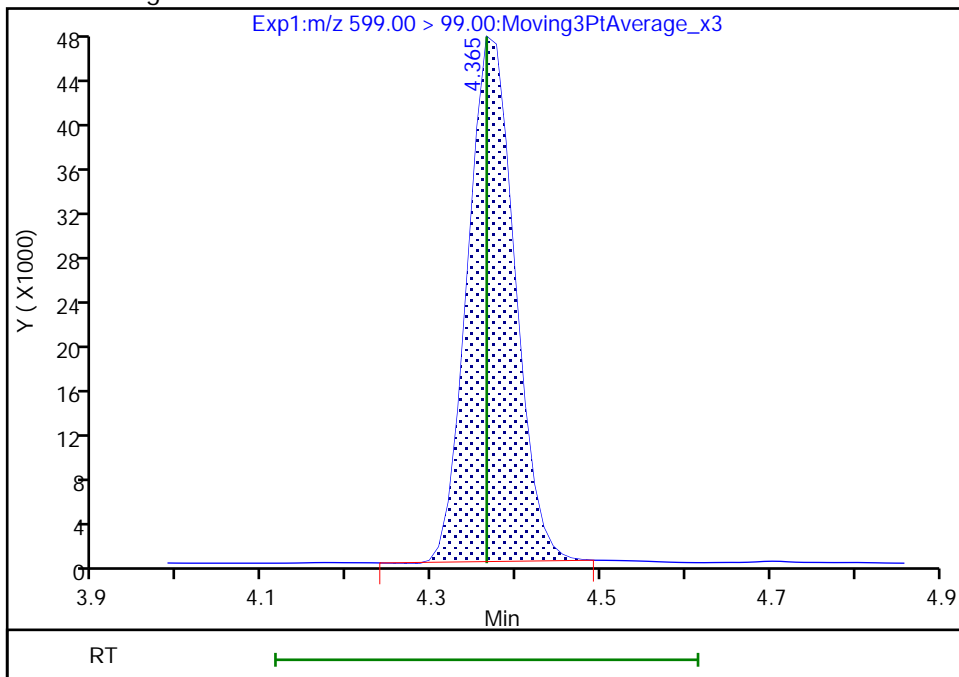
RT: 4.36
Area: 186932
Amount: 1.140322
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 184002
Amount: 1.133153
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:40:24

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

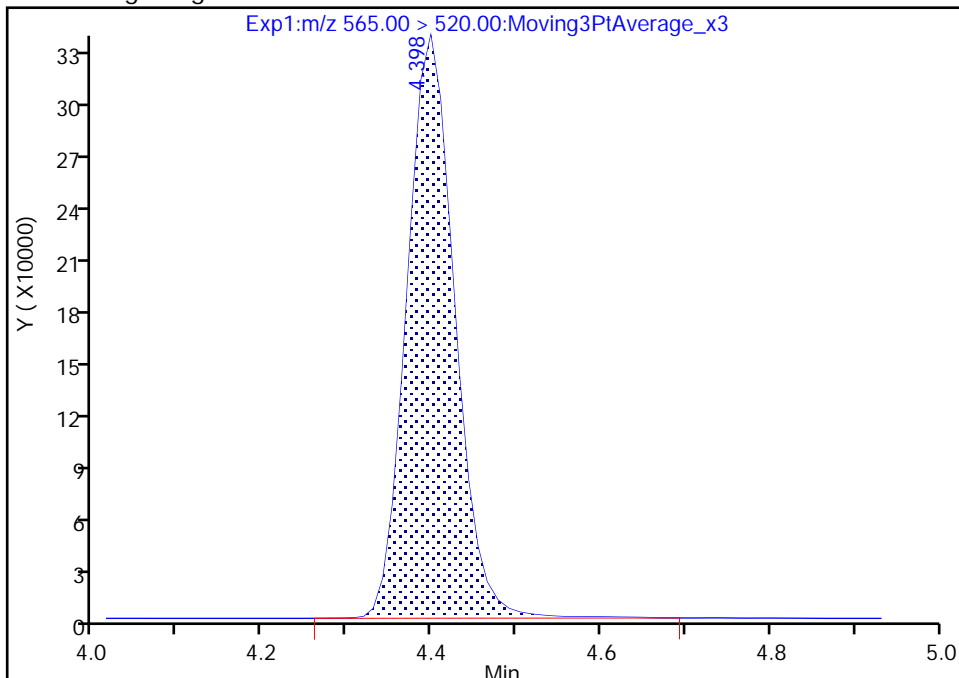
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

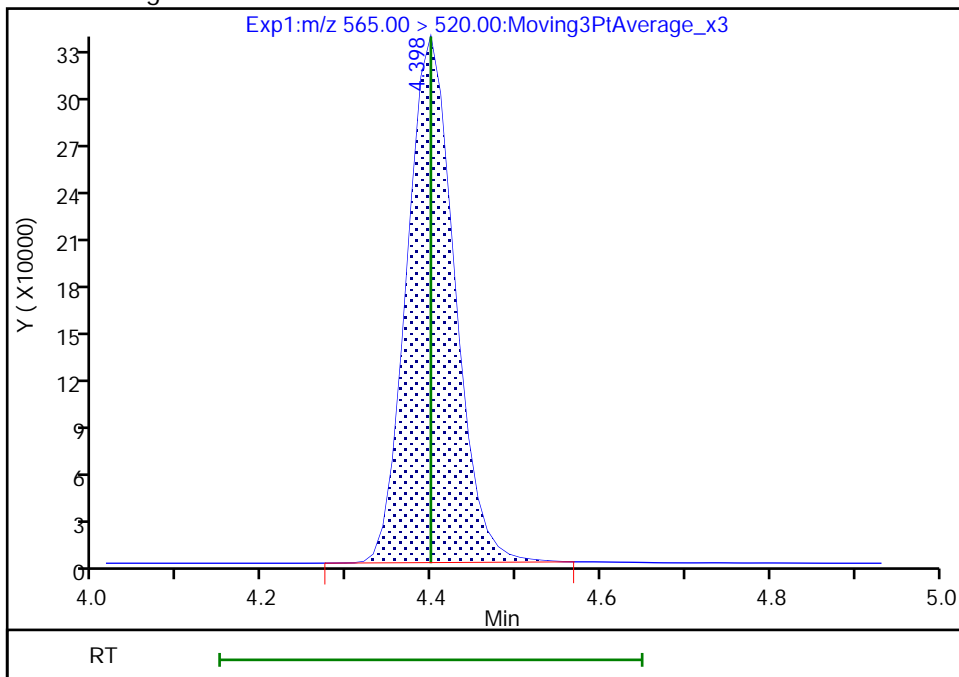
RT: 4.40
Area: 1324935
Amount: 0.810445
Amount Units: ng/ml

Processing Integration Results



RT: 4.40
Area: 1315326
Amount: 0.804568
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:40:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

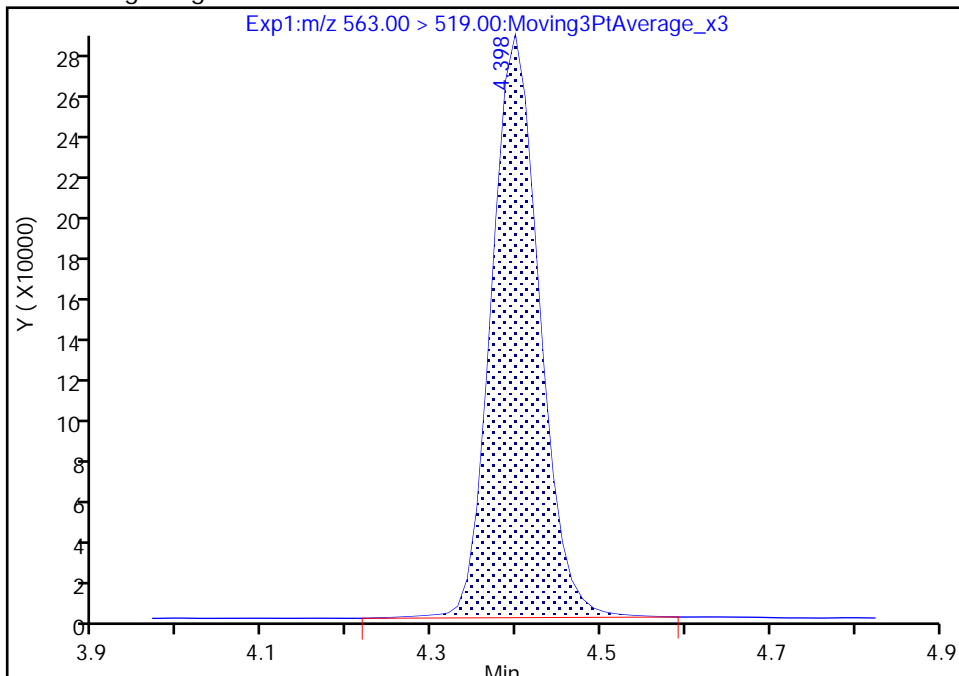
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

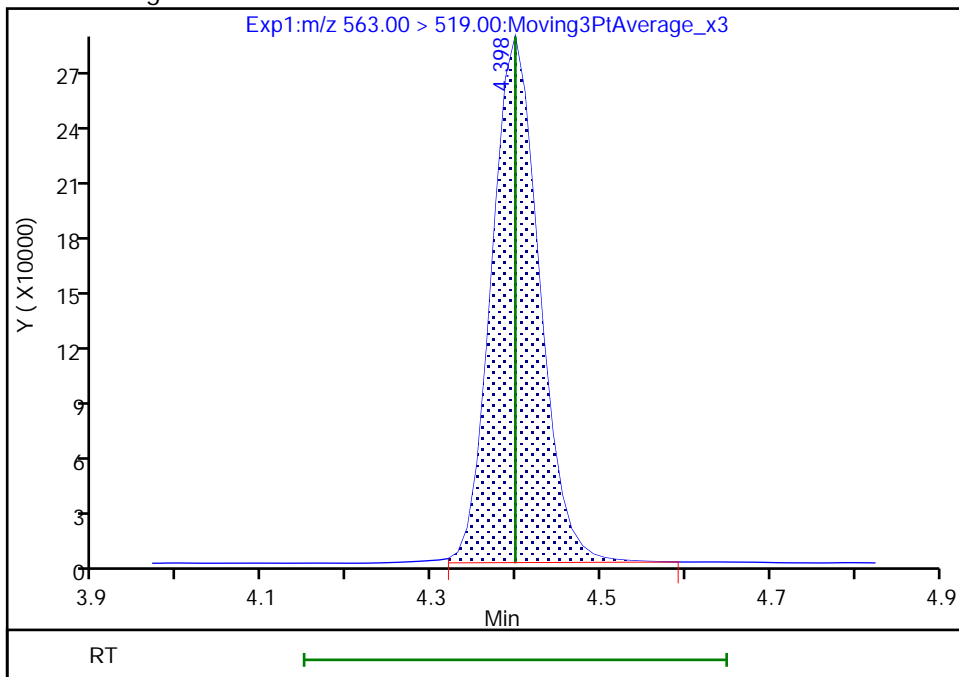
RT: 4.40
Area: 1129531
Amount: 1.005861
Amount Units: ng/ml

Processing Integration Results



RT: 4.40
Area: 1125072
Amount: 1.009210
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:40:32
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

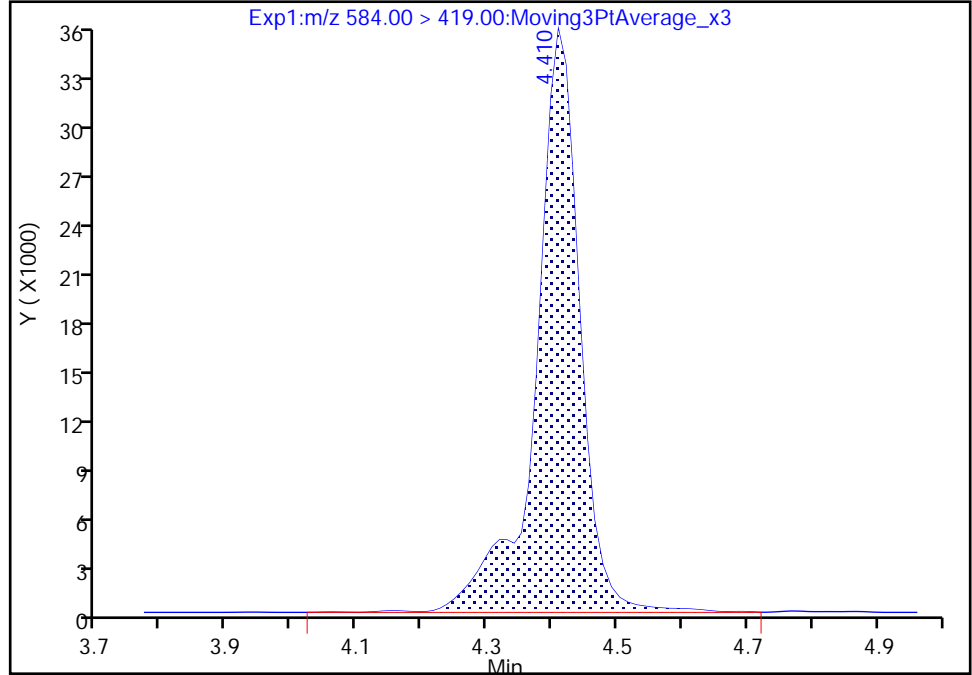
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

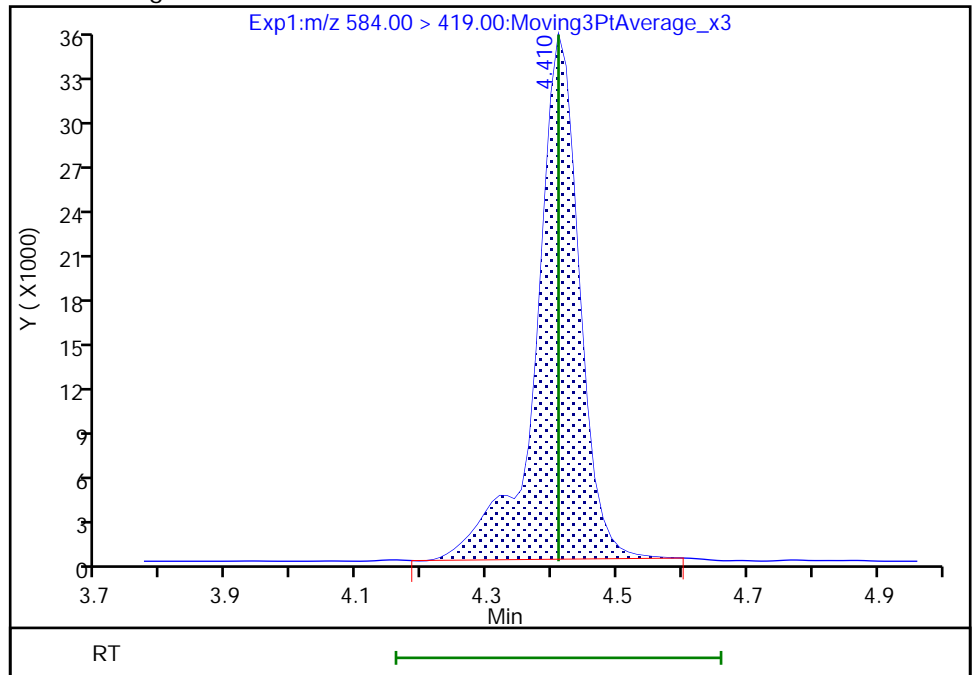
RT: 4.41
Area: 166984
Amount: 1.094346
Amount Units: ng/ml

Processing Integration Results



RT: 4.41
Area: 162832
Amount: 1.067135
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:40:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

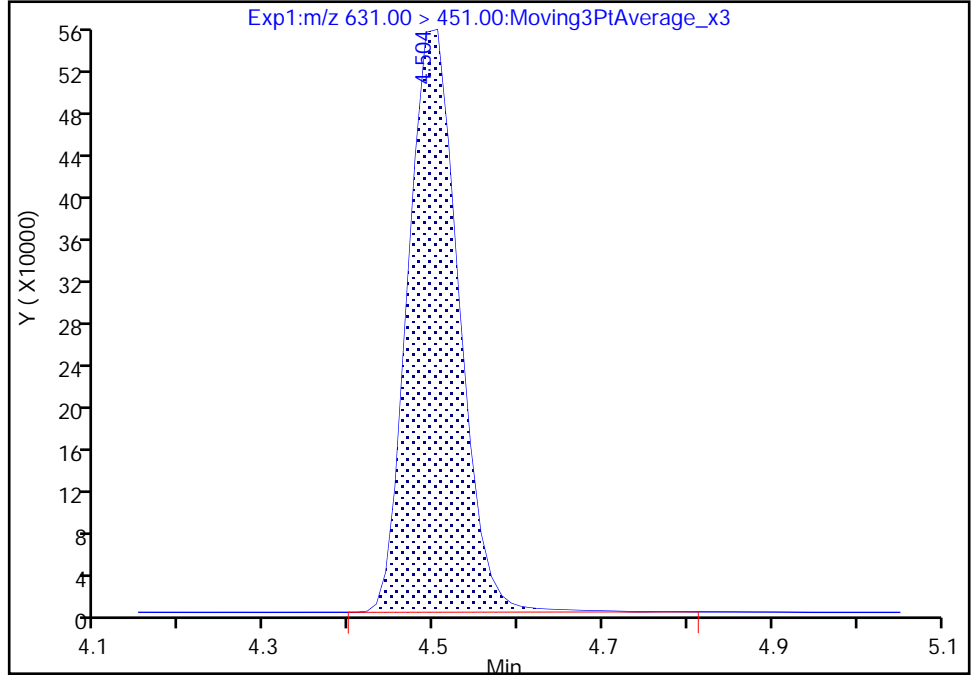
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

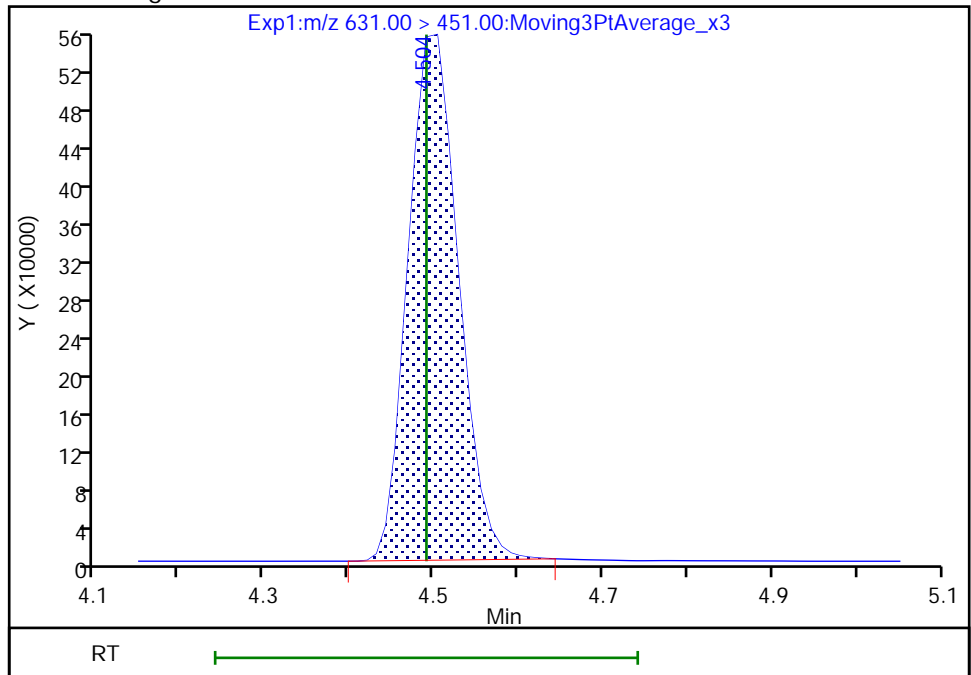
RT: 4.50
Area: 2314632
Amount: 1.305764
Amount Units: ng/ml

Processing Integration Results



RT: 4.50
Area: 2291190
Amount: 1.299145
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:23:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

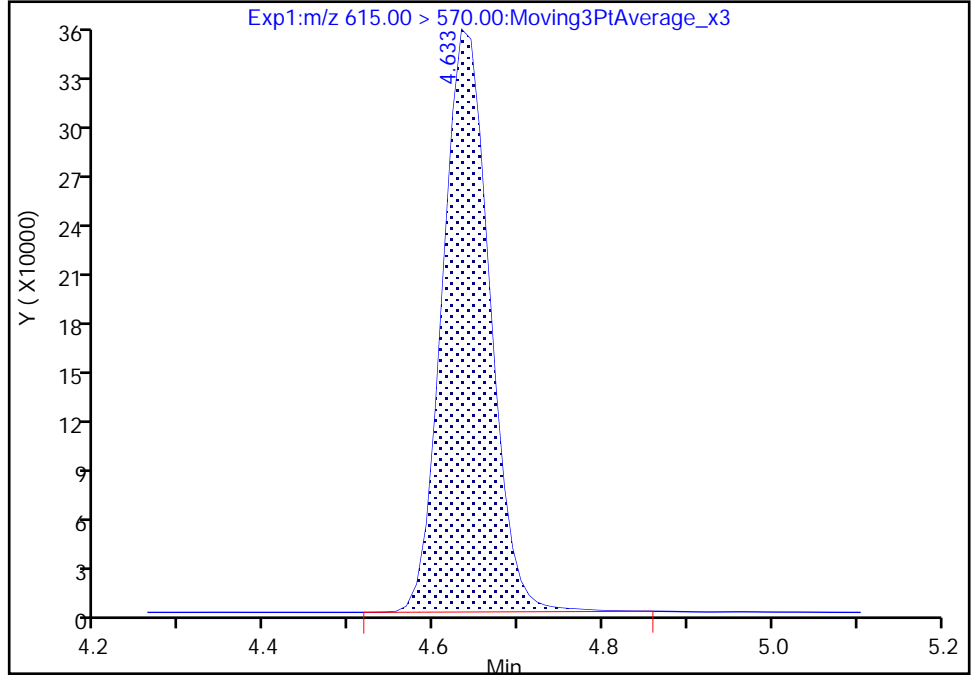
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 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 36 13C2 PFD_oA, CAS: STL00998
Signal: 1

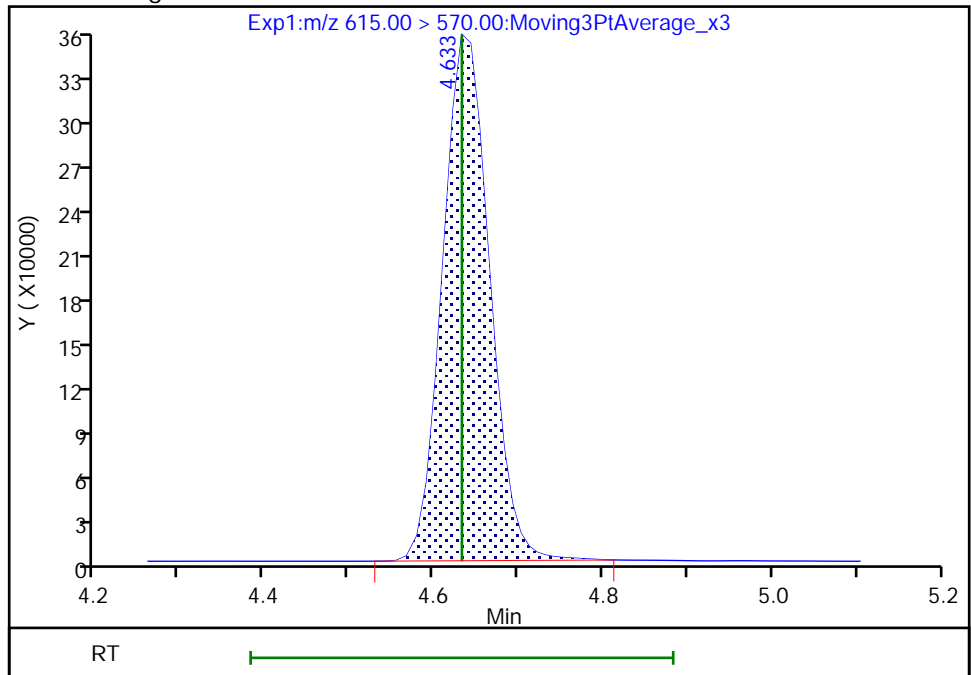
RT: 4.63
Area: 1383093
Amount: 0.816431
Amount Units: ng/ml

Processing Integration Results



RT: 4.63
Area: 1380113
Amount: 0.814672
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:40:53
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

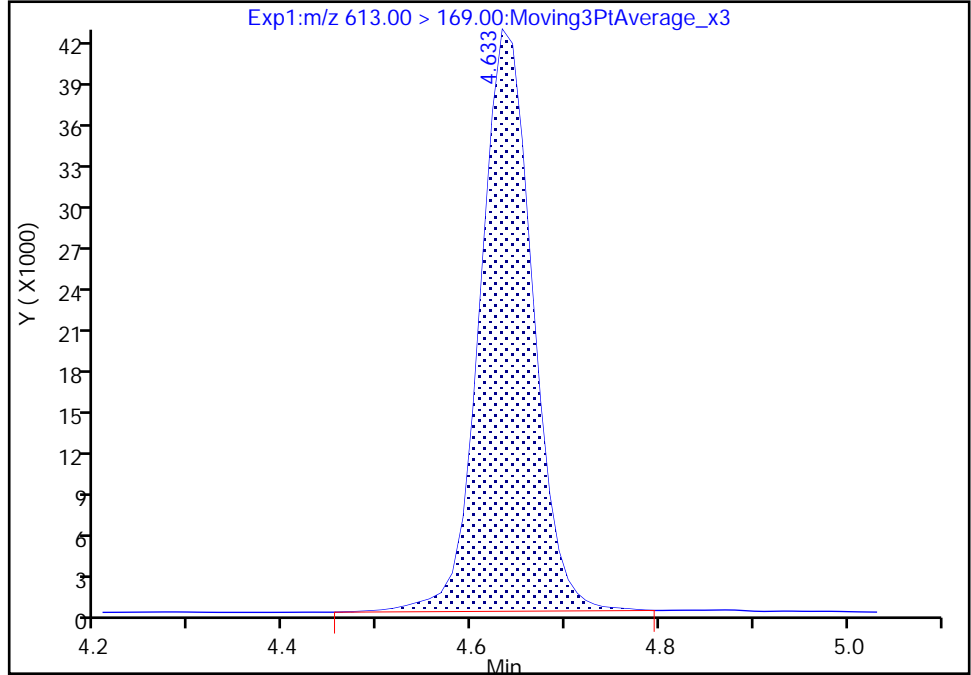
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

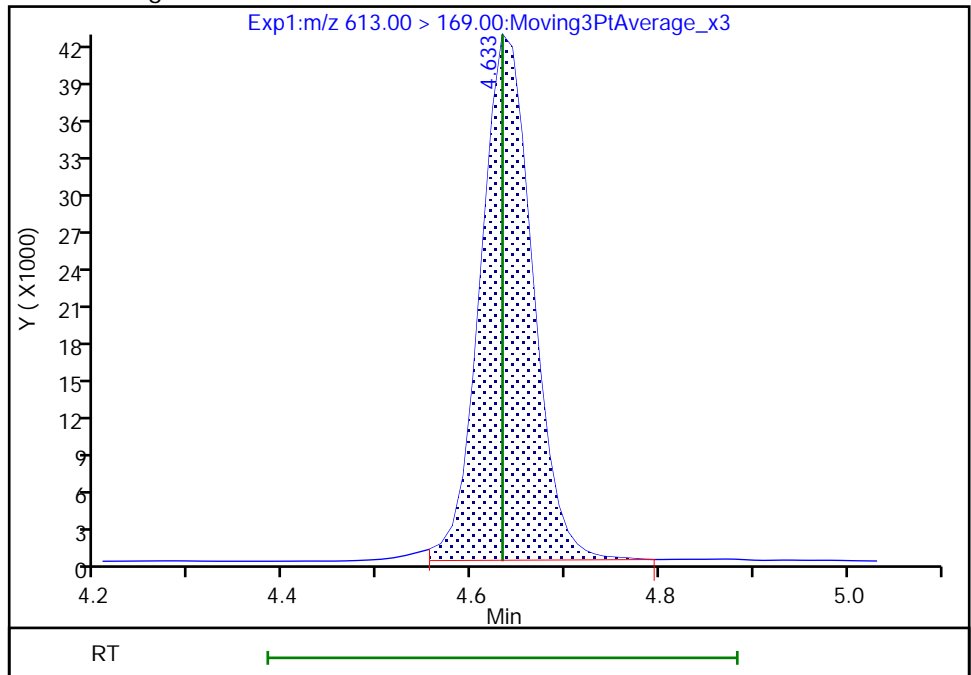
RT: 4.63
Area: 164134
Amount: 0.990238
Amount Units: ng/ml

Processing Integration Results



RT: 4.63
Area: 162557
Amount: 0.990238
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:40:59
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

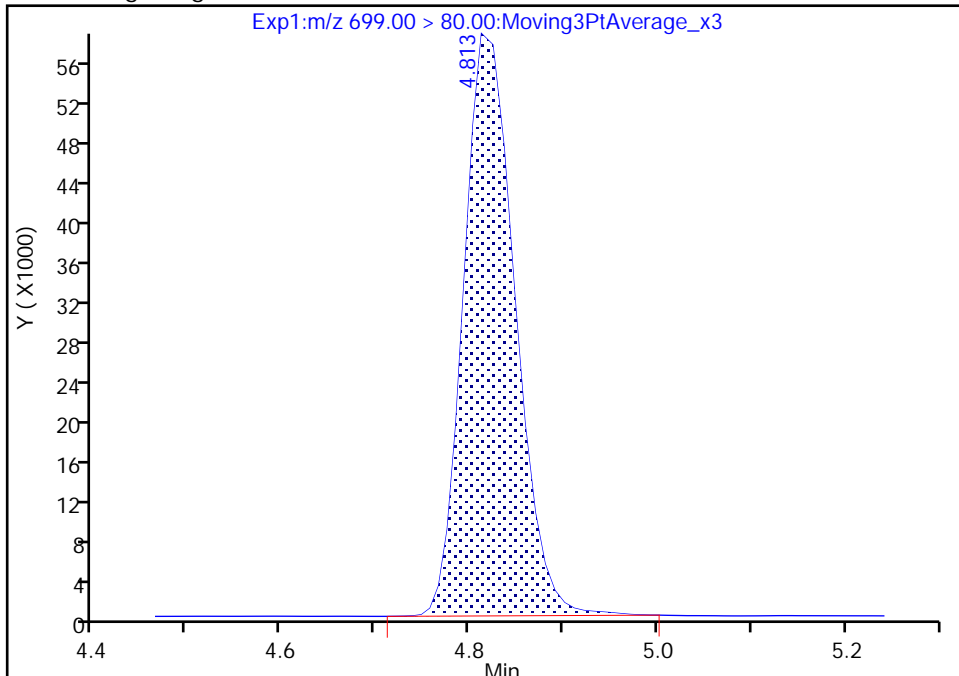
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

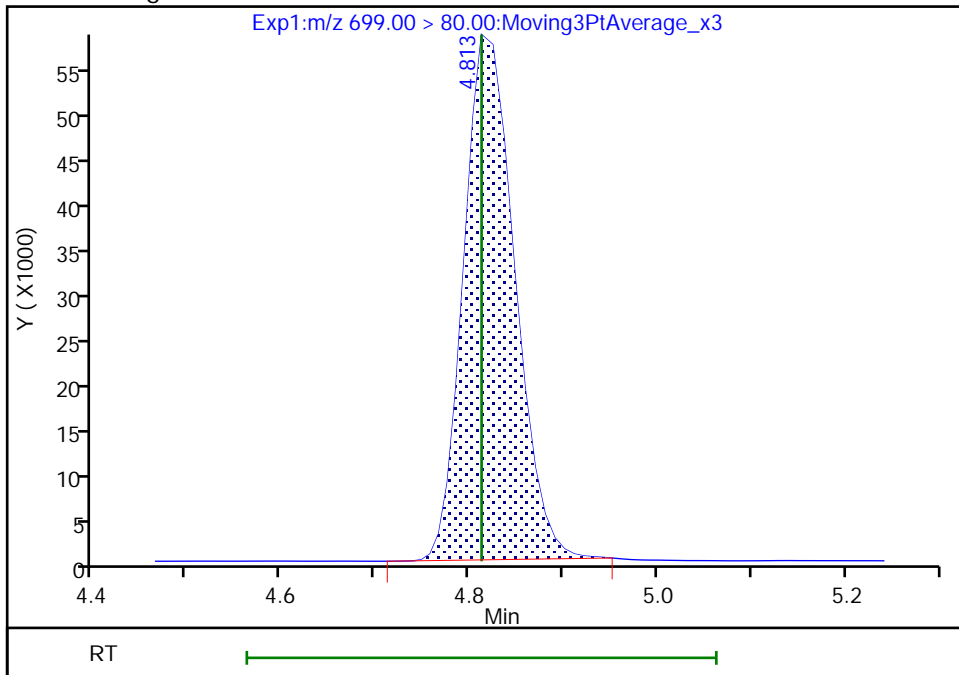
RT: 4.81
Area: 223300
Amount: 1.125293
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 221186
Amount: 1.114640
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:41:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

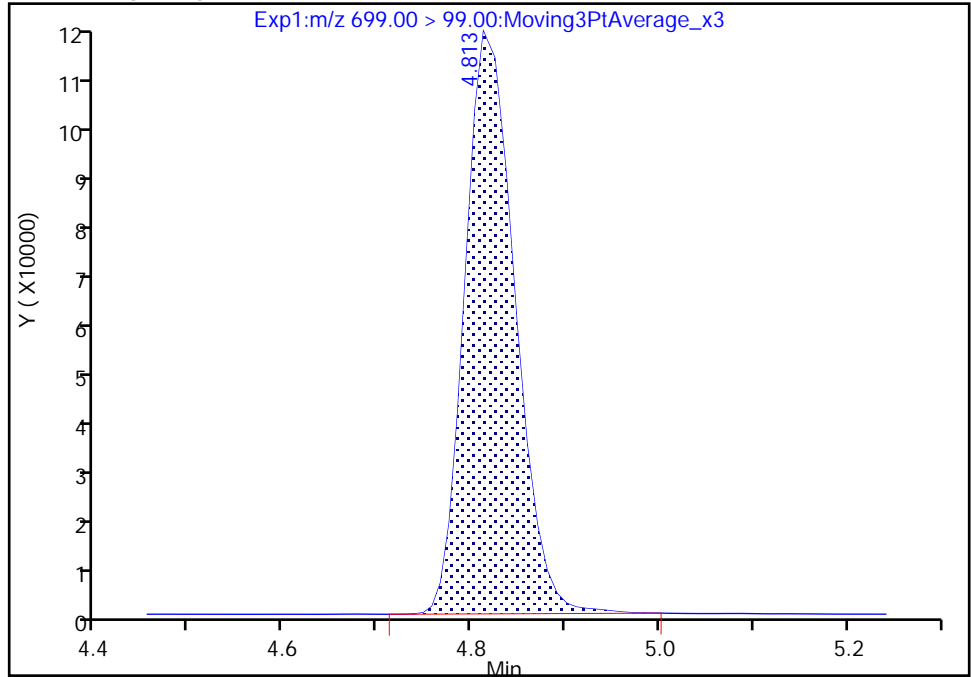
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 2

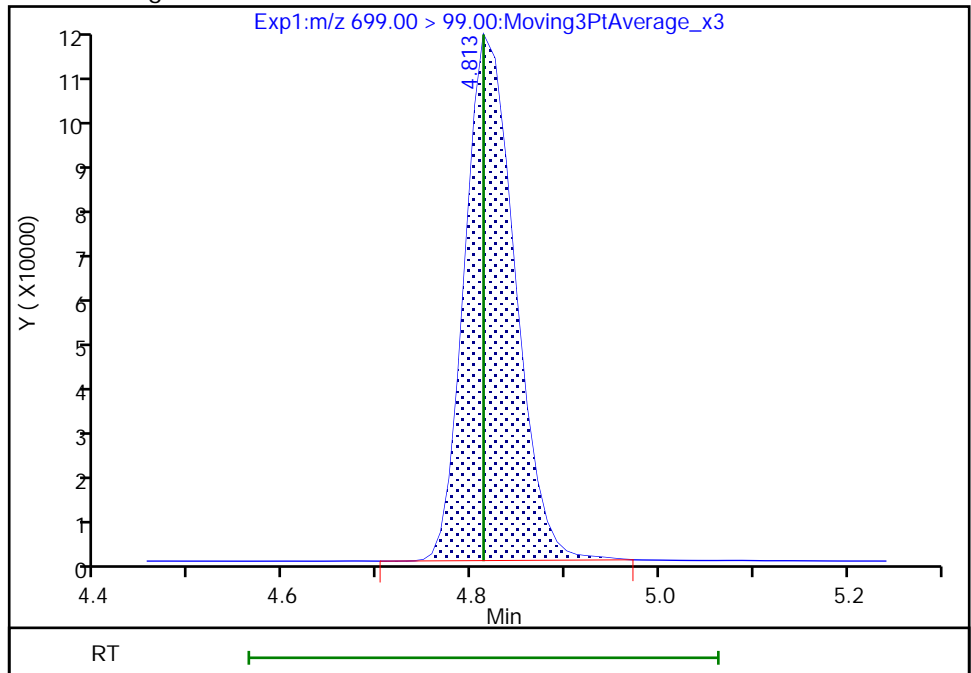
RT: 4.81
Area: 410445
Amount: 1.125293
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 409515
Amount: 1.114640
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:41:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

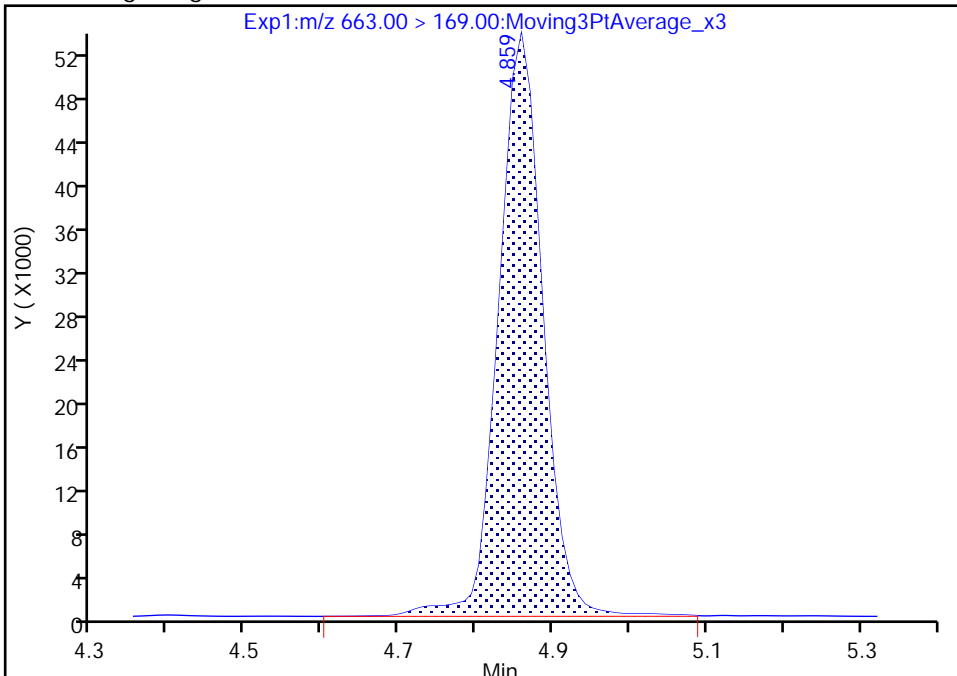
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

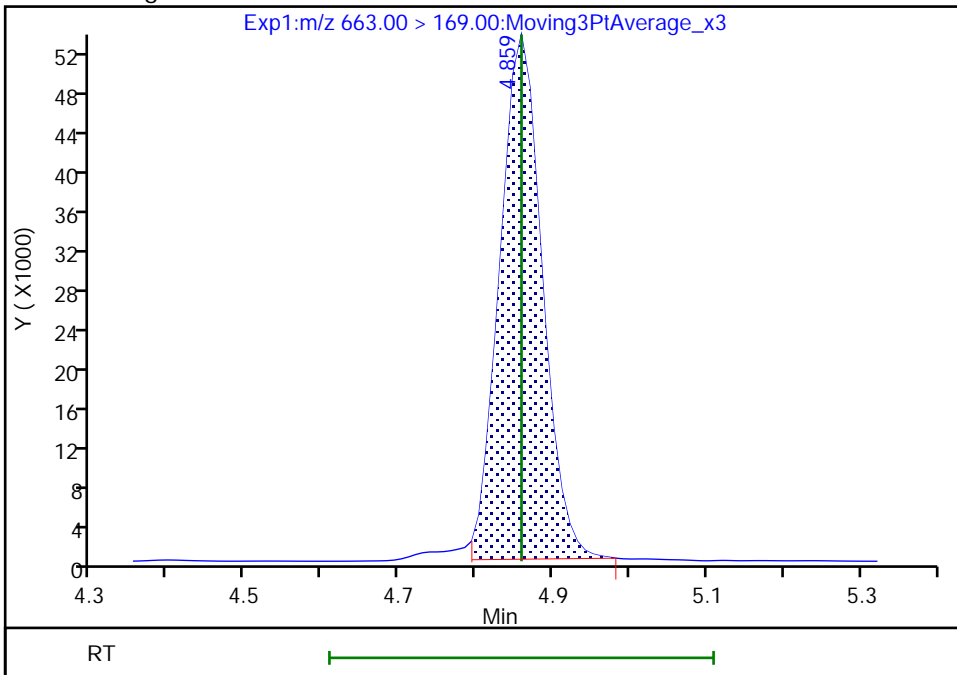
RT: 4.86
Area: 212622
Amount: 0.947628
Amount Units: ng/ml

Processing Integration Results



RT: 4.86
Area: 203457
Amount: 0.931144
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:41:40
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

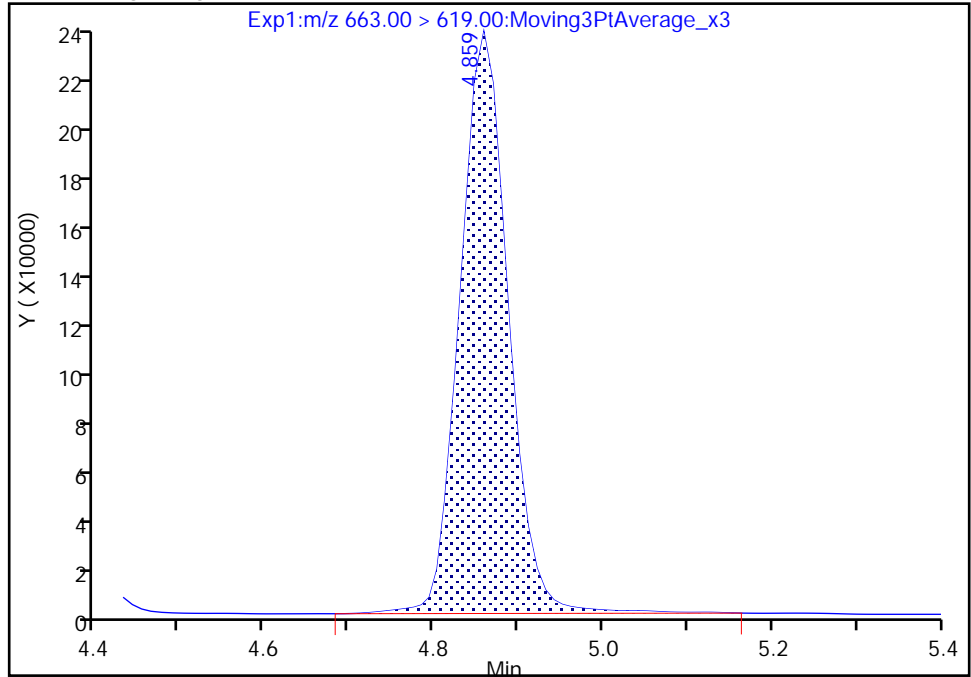
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

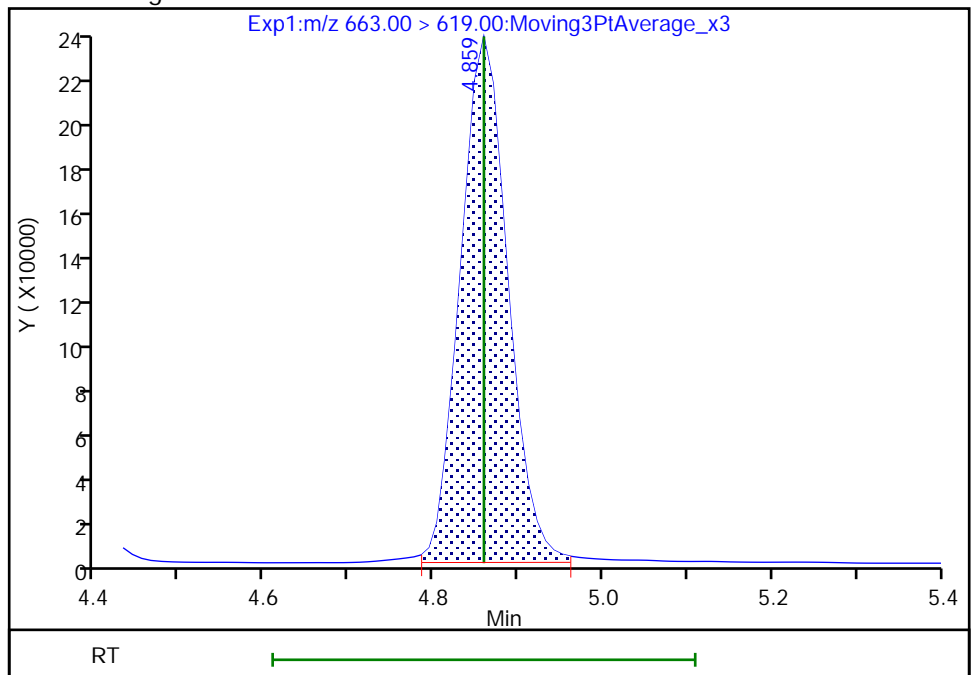
RT: 4.86
Area: 919791
Amount: 0.947628
Amount Units: ng/ml

Processing Integration Results



RT: 4.86
Area: 903791
Amount: 0.931144
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:41:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

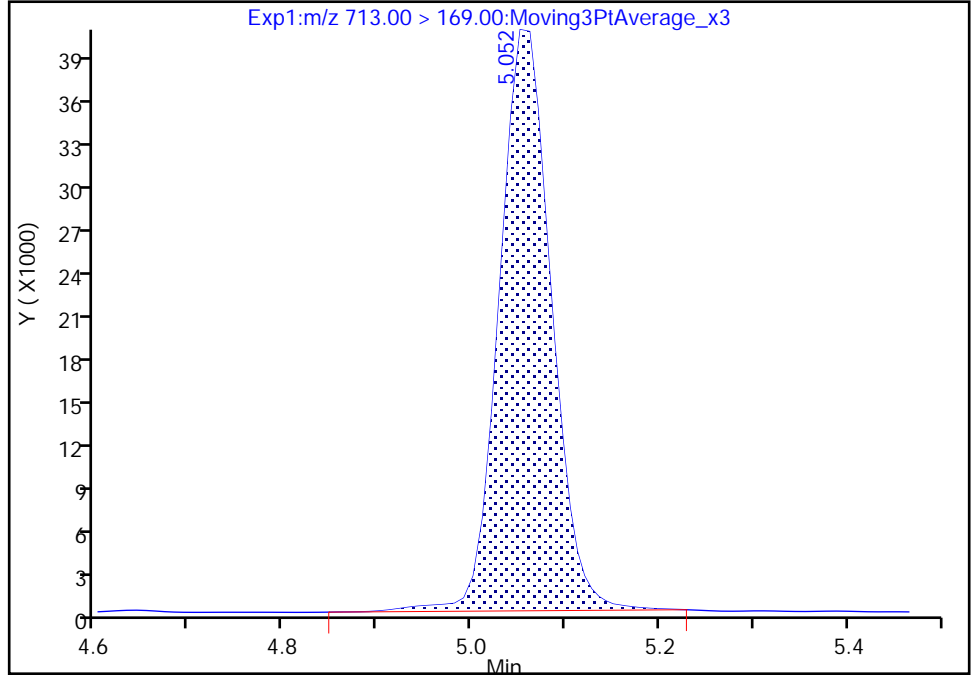
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

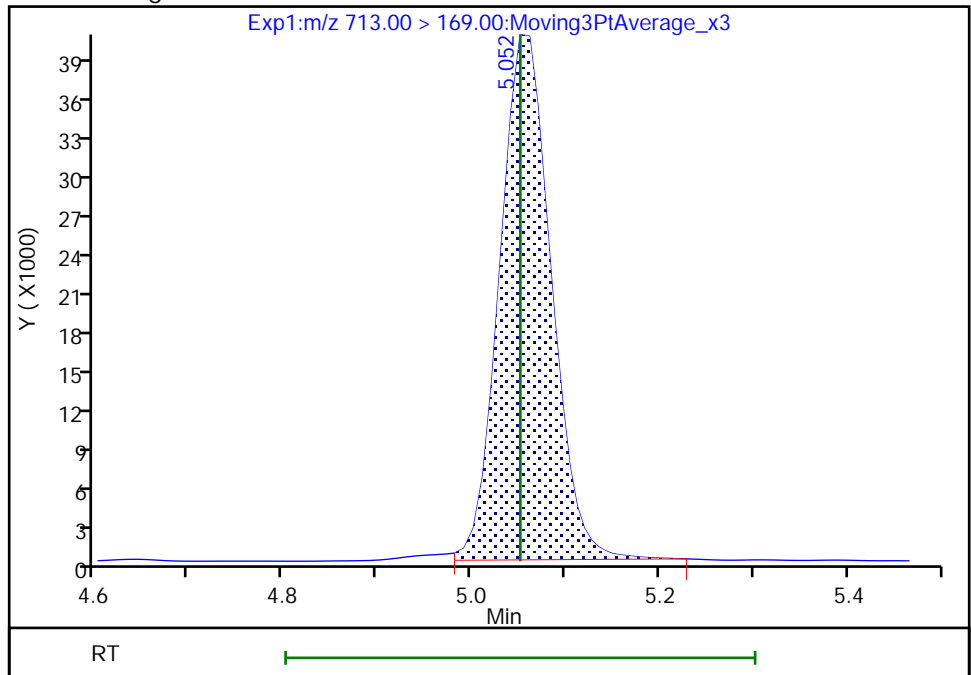
RT: 5.05
Area: 155260
Amount: 1.055073
Amount Units: ng/ml

Processing Integration Results



RT: 5.05
Area: 153673
Amount: 1.044289
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:41:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

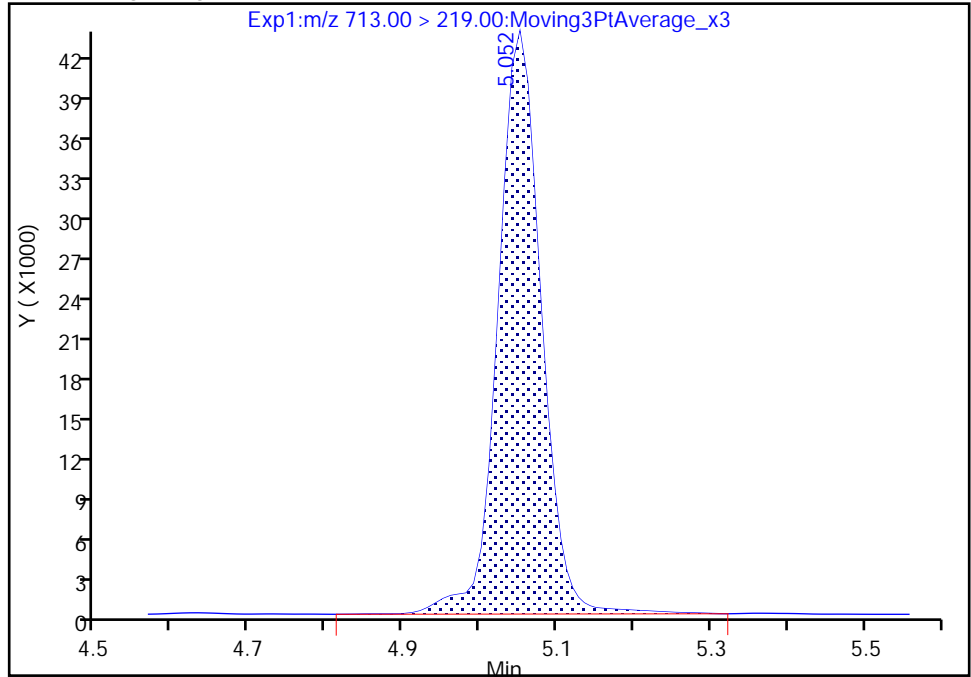
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

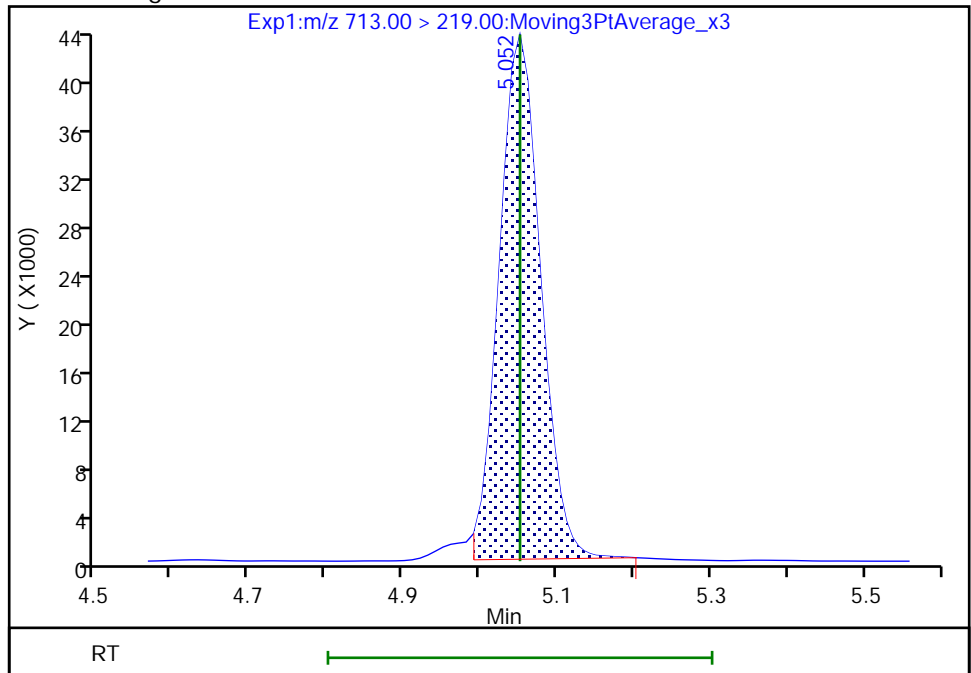
RT: 5.05
Area: 171531
Amount: 1.055073
Amount Units: ng/ml

Processing Integration Results



RT: 5.05
Area: 163334
Amount: 1.044289
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:42:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

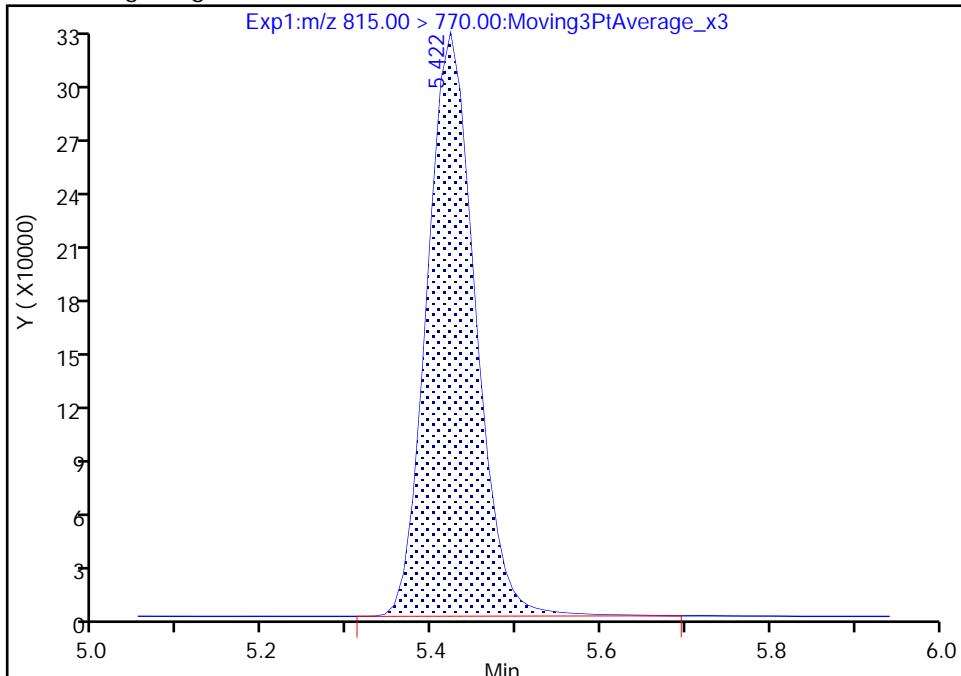
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

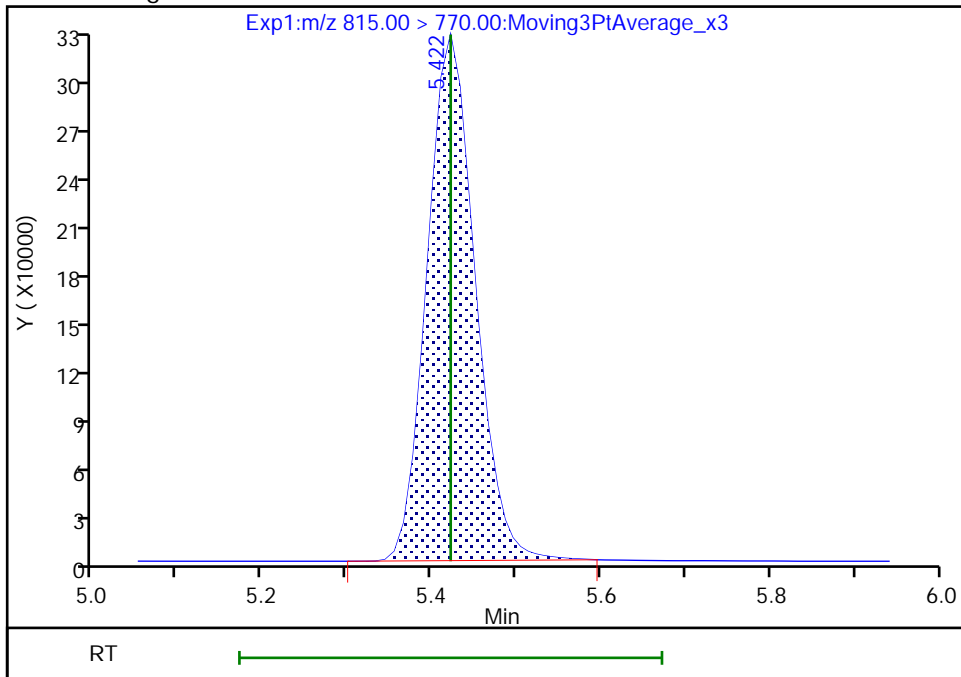
RT: 5.42
Area: 1297334
Amount: 0.822386
Amount Units: ng/ml

Processing Integration Results



RT: 5.42
Area: 1289531
Amount: 0.817440
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:42:07
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

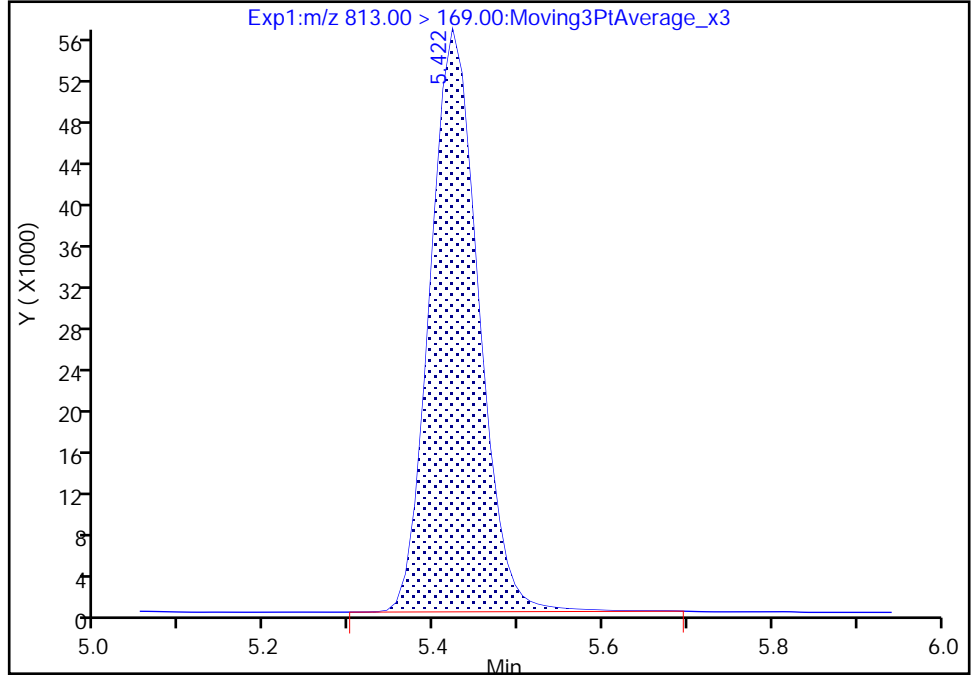
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

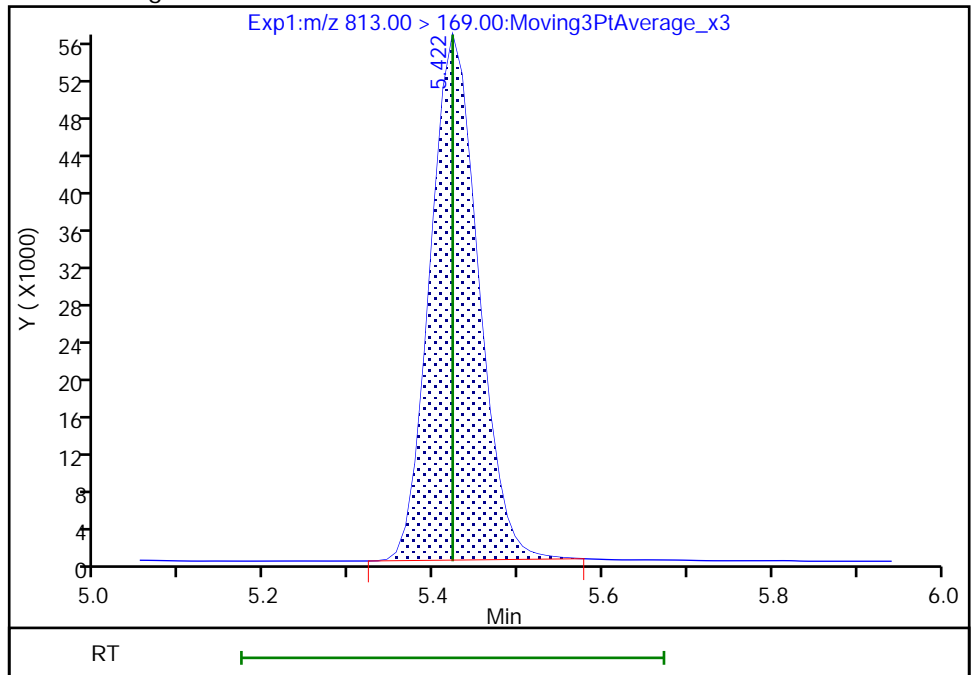
RT: 5.42
Area: 222984
Amount: 1.031346
Amount Units: ng/ml

Processing Integration Results



RT: 5.42
Area: 221132
Amount: 1.031346
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:42:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

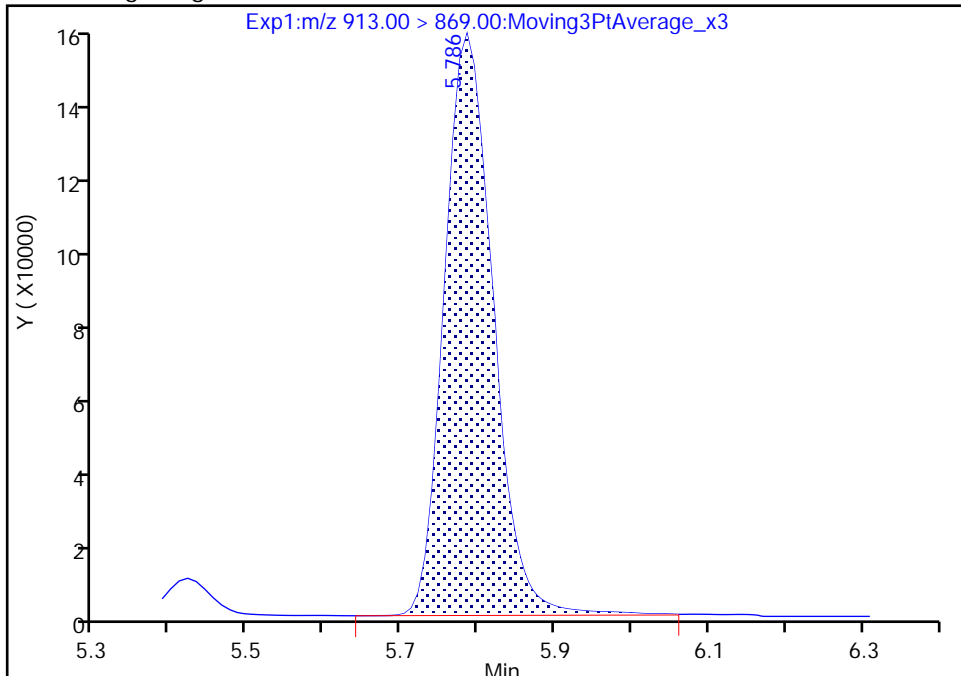
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

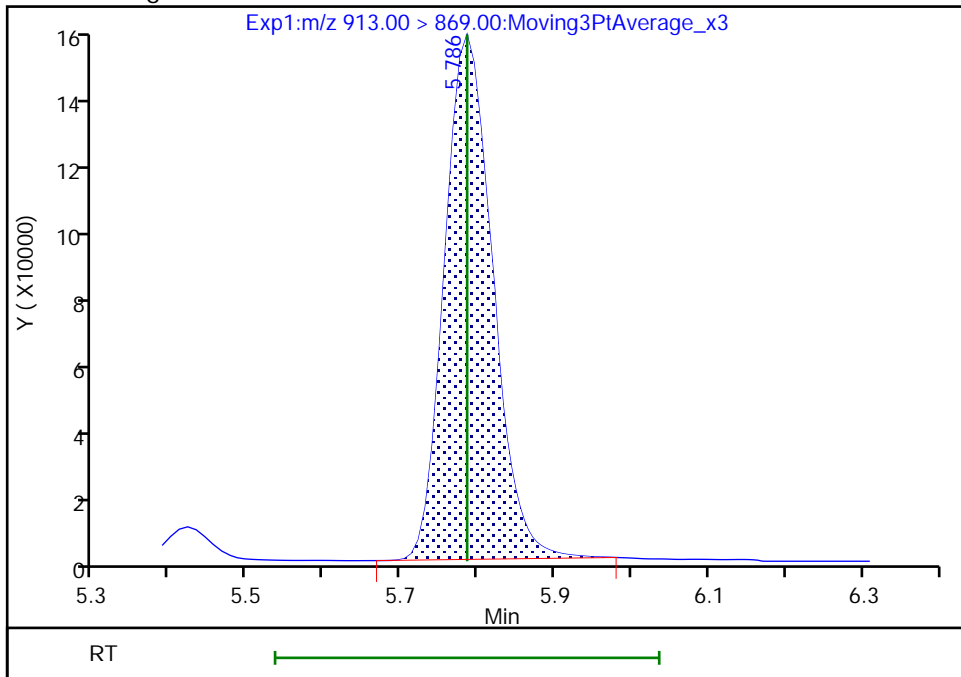
RT: 5.79
Area: 688253
Amount: 1.003393
Amount Units: ng/ml

Processing Integration Results



RT: 5.79
Area: 678664
Amount: 0.989413
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:42:18
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-264366-1
 SDG No.: _____
 Lab Sample ID: CCVLIS 200-183247/5 Calibration Date: 09/02/2022 12:45
 Instrument ID: LC812 Calib Start Date: 08/03/2022 13:00
 GC Column: C-18 ID: 4.60 (mm) Calib End Date: 08/03/2022 13:41
 Lab File ID: PA220902A05.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	0.9697	1.051		0.135	0.125	8.4	50.0
Perfluoropentanoic acid (PFPeA)	AveID	1.031	1.123		0.0544	0.0500	8.9	50.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.104	1.116		0.0447	0.0442	1.1	50.0
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	2.377	2.636		0.0518	0.0467	10.9	50.0
Perfluorohexanoic acid (PFHxA)	AveID	1.043	1.104		0.0529	0.0500	5.8	50.0
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.297	1.337		0.0484	0.0469	3.1	50.0
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.075	1.127		0.105	0.100	4.9	50.0
Perfluoroheptanoic acid (PFHpA)	AveID	1.031	1.007		0.0488	0.0500	-2.3	50.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.103	1.257		0.0518	0.0455	13.9	50.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	4.119	4.686		0.0536	0.0471	13.8	50.0
6:2 FTS	L1ID		1.780		0.128	0.119	8.0	50.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.236	1.321		0.0509	0.0476	6.9	50.0
Perfluorooctanoic acid (PFOA)	AveID	1.121	1.193		0.0532	0.0500	6.4	50.0
Perfluorooctanesulfonic acid (PFOS)	L1ID		1.294		0.0419	0.0464	-9.8	50.0
Perfluorononanoic acid (PFNA)	AveID	1.017	1.052		0.0517	0.0500	3.4	50.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	AveID	1.766	2.280		0.0601	0.0466	29.1	50.0
Perfluorononanesulfonic acid (PFNS)	AveID	0.7830	0.8236		0.0505	0.0480	5.2	50.0
Perfluorodecanoic acid (PFDA)	AveID	1.052	0.9694		0.0461	0.0500	-7.8	50.0
8:2 FTS	AveID	0.9657	1.221		0.0606	0.0479	26.5	50.0
Perfluorooctanesulfonamide (FOSA)	AveID	1.019	1.075		0.0528	0.0500	5.5	50.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.8881	0.9288		0.131	0.125	4.6	50.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.5827	0.6609		0.0547	0.0482	13.4	50.0
Perfluoroundecanoic acid (PFUnA)	AveID	1.059	1.095		0.0517	0.0500	3.4	50.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.9079	0.8898		0.123	0.125	-2.0	50.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF)	AveID	2.299	2.918		0.0598	0.0471	26.9	50.0
Perfluorododecanoic acid (PFDoA)	AveID	1.014	1.035		0.0510	0.0500	2.1	50.0
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	AveID	0.4511	0.5967		0.0638	0.0482	32.3	50.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.2587	0.2442		0.0457	0.0484	-5.6	50.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-264366-1
 SDG No.: _____
 Lab Sample ID: CCVLIS 200-183247/5 Calibration Date: 09/02/2022 12:45
 Instrument ID: LC812 Calib Start Date: 08/03/2022 13:00
 GC Column: C-18 ID: 4.60 (mm) Calib End Date: 08/03/2022 13:41
 Lab File ID: PA220902A05.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorotridecanoic acid (PFTriA)	AveID	0.8791	0.9146		0.0520	0.0500	4.0	50.0
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1602	0.1330		0.0415	0.0500	-17.0	50.0
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		1.165		0.0444	0.0500	-11.2	50.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.6649	0.7183		0.0540	0.0500	8.0	50.0
13C4 PFBA	Ave	1.167	1.286		1.38	1.25	10.2	
13C5 PFPeA	Ave	0.8976	0.9836		1.37	1.25	9.6	
13C3 PFBS	Ave	1.039	1.123		1.26	1.16	8.1	
M2-4:2 FTS	Ave	0.0894	0.0980		1.28	1.17	9.6	
13C2 PFHxA	Ave	0.8962	0.9225		1.29	1.25	2.9	
13C3 HFPO-DA	Ave	0.1687	0.1635		1.21	1.25	-3.1	
13C4 PFHpA	Ave	0.9296	0.9567		1.29	1.25	2.9	
18O2 PFHxS	Ave	0.7305	0.7860		1.27	1.18	7.6	
M2-6:2 FTS	Ave	0.1223	0.1393		1.35	1.19	13.9	
13C4 PFOA	Ave	0.9525	1.007		1.32	1.25	5.7	
13C4 PFOS	Ave	0.5455	0.5662		1.24	1.20	3.8	
13C5 PFNA	Ave	0.9889	0.9729		1.23	1.25	-1.6	
13C2 PFDA	Ave	0.9624	1.023		1.33	1.25	6.3	
M2-8:2 FTS	Ave	0.1471	0.1756		1.43	1.20	19.4	
13C8 FOSA	Ave	0.8423	0.9055		1.34	1.25	7.5	
d3-NMeFOSAA	Ave	0.1290	0.1539		1.49	1.25	19.3	
13C2 PFUnA	Ave	0.7292	0.7725		1.32	1.25	5.9	
d5-NEtFOSAA	Ave	0.1221	0.1606		1.64	1.25	31.5	
13C2 PFDoA	Ave	0.7556	0.8345		1.38	1.25	10.4	
13C2 PFTeDA	Ave	0.6177	0.7265		1.47	1.25	17.6	
13C2 PFHxDA	Ave	0.7037	0.7085		1.26	1.25	0.7	

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A05.d
 Lims ID: CCVLIS
 Client ID:
 Sample Type: CCVLIS
 Inject. Date: 02-Sep-2022 12:45:13 ALS Bottle#: 2 Worklist Smp#: 5
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: CCVLIS
 Misc. Info.: 200-0052315-005 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 06-Sep-2022 11:54:47 Calib Date: 03-Aug-2022 13:41:11
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1638

First Level Reviewer: Z1IP Date: 02-Sep-2022 13:48:29

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA	217.00 > 172.00	2.068	2.068	0.0	0.603	2525660	1.38	110	16753	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.068	2.068	0.0	1.000	265401	0.1355		108	30.1	M
D 3 13C5 PFPeA	267.90 > 223.00	2.374	2.374	0.0	0.692	1931761	1.37	110	3601	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.374	2.374	0.0	1.000	86744	0.0544		109	2.7	M
D 47 13C3 PFBS	301.90 > 80.00	2.387	2.387	0.0	0.696	2051493	1.26	108	325159	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.387	2.387	0.0	1.000	87032	0.0447	Target=2.23	101	53.7	M
298.90 > 99.00	2.387	2.387	0.0	1.000	41629		2.09(1.11-3.34)		38.9	M
61 1H,1H,2H,2H-perfluorohexanesulfo	327.00 > 307.00	2.677	2.677	0.0	1.000	18961	0.0518	111	198	
D 60 M2-4:2 FTS	329.00 > 81.00	2.677	2.677	0.0	0.780	179824	1.28	110	157	M
D 7 13C2 PFHxA	315.00 > 270.00	2.713	2.713	0.0	0.791	1811747	1.29	103	4660	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.713	2.713	0.0	1.000	79994	0.0529	Target=12.24	106	19.2	M
313.00 > 119.00	2.701	2.713	-0.012	0.996	7406		10.80(6.12-18.36)		13.0	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.713	2.713	0.0	0.882	77465	0.0484	Target=2.95	103	40.4	M
349.00 > 99.00	2.713	2.713	0.0	0.882	26667		2.90(1.48-4.43)		71.7	M
D 64 13C3 HFPO-DA	287.00 > 169.00	2.823	2.823	0.0	0.823	321147	1.21	96.9	2067	

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	2.823	2.823	0.0	1.000	28961	0.1049		105	493	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.077	3.077	0.0	1.000	70611	0.0518	Target=3.43	114	109	M
399.00 > 99.00	3.066	3.077	-0.011	0.996	18414		3.83(1.72-5.15)		35.1	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.077	3.077	0.0	0.897	1460370	1.27		108	3457	
D 9 13C4 PFHpA										
367.00 > 322.00	3.077	3.077	0.0	0.897	1878886	1.29		103	3329	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.077	3.077	0.0	1.000	75661	0.0488	Target=3.73	97.7	22.8	
363.00 > 169.00	3.077	3.077	0.0	1.000	21431		3.53(1.86-5.59)		58.0	
77 DONA										M
377.00 > 251.00	3.110	3.110	0.0	0.830	196357	0.0536	Target=2.84	114	324	
377.00 > 85.00	3.110	3.110	0.0	0.830	63254		3.10(1.42-4.26)		112	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.422	3.422	0.0	0.997	259896	1.35		114	622	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.422	3.422	0.0	1.000	46176	0.1280		108	169	
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.422	3.422	0.0	0.914	55933	0.0509	Target=4.89	107	141	M
449.00 > 99.00	3.422	3.422	0.0	0.914	11489		4.87(2.44-7.33)		103	M
D 14 13C4 PFOA										
417.00 > 372.00	3.430	3.430	0.0	1.000	1976784	1.32		106	2795	
* 62 13C2 PFOA										
415.00 > 370.00	3.430	3.430	0.0		1963973	1.25			4621	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.430	3.430	0.0	1.000	94361	0.0532	Target=2.67	106	6.6	
413.00 > 169.00	3.430	3.430	0.0	1.000	29446		3.20(1.34-4.01)		65.1	
D 18 13C4 PFOS										
503.00 > 80.00	3.745	3.745	0.0	1.092	1063164	1.24		104	3050	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.745	3.745	0.0	1.000	53413	0.0419	Target=4.88	90.2	50.6	M
499.00 > 99.00	3.745	3.745	0.0	1.000	8154		6.55(2.44-7.32)		41.0	M
D 19 13C5 PFNA										
468.00 > 423.00	3.764	3.764	0.0	1.097	1910773	1.23		98.4	3391	
20 Perfluorononanoic acid										M
463.00 > 419.00	3.764	3.764	0.0	1.000	80422	0.0517	Target=8.23	103	22.5	M
463.00 > 169.00	3.764	3.764	0.0	1.000	10402		7.73(4.11-12.34)		75.7	M
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.916	3.916	0.0	1.046	94522	0.0601		129	407	
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.042	4.042	0.0	1.079	35171	0.0505	Target=2.53	105	224	M
549.00 > 99.00	4.033	4.042	-0.009	1.077	12571		2.80(1.26-3.79)		81.1	M
D 23 13C2 PFDA										
515.00 > 470.00	4.061	4.061	0.0	1.184	2008888	1.33		106	5593	

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	4.061	4.061	0.0	1.000	77898	0.0461	Target=9.67	92.2	37.2	
513.00 > 169.00	4.061	4.061	0.0	1.000	8982		8.67(4.83-14.50)		27.6	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.071	4.071	0.0	1.187	330353	1.43		119	704	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.071	4.071	0.0	1.000	16141	0.0606		126	228	M
D 21 13C8 FOSA										M
506.00 > 78.00	4.127	4.127	0.0	1.203	1778383	1.34		107	1809	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.127	4.127	0.0	1.000	76478	0.0528		106	332	
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.207	4.207	0.0	1.226	302187	1.49		119	1487	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.218	4.218	0.0	1.002	28067	0.1307		105	83.3	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.308	4.308	0.0	1.150	28343	0.0547	Target=2.80	113	261	
599.00 > 99.00	4.308	4.308	0.0	1.150	9940		2.85(1.40-4.20)		84.4	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.342	4.342	0.0	1.266	1517244	1.32		106	2406	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.342	4.342	0.0	1.000	66471	0.0517	Target=9.07	103	39.0	
563.00 > 169.00	4.342	4.342	0.0	1.000	7359		9.03(4.54-13.61)		86.0	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.342	4.342	0.0	1.266	315427	1.64		132	949	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.354	4.354	0.0	1.003	28067	0.1225		98.0	293	M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.432	4.432	0.0	1.183	122281	0.0598		127	731	
D 36 13C2 PFDaA										
615.00 > 570.00	4.580	4.580	0.0	1.335	1638851	1.38		110	3415	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.580	4.580	0.0	1.000	67851	0.0510	Target=6.97	102	9.5	
613.00 > 169.00	4.580	4.580	0.0	1.000	8790		7.72(3.48-10.45)		101	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.602	4.602	0.0	1.130	7934	0.0638		132	118	M
75 Perfluorododecanesulfonic acid (M
699.00 > 80.00	4.758	4.758	0.0	1.270	10516	0.0457	Target=0.52	94.4	177	M
699.00 > 99.00	4.758	4.758	0.0	1.270	22498		0.47(0.26-0.79)		398	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.785	4.785	0.0	1.045	59959	0.0520	Target=4.56	104	9.1	M
663.00 > 169.00	4.794	4.785	0.009	1.047	12496		4.80(2.28-6.84)		157	M
D 43 13C2 PFTeDA										
715.00 > 670.00	4.992	4.992	0.0	1.455	1426761	1.47		118	4610	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	4.992	4.992	0.0	1.000	7590	0.0415	Target=0.94	83.0	144	
713.00 > 219.00	4.982	4.992	-0.010	0.998	8618		0.88(0.47-1.41)		155	

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	5.344	5.344	0.0	1.558	1391445	1.26		101	3183	
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.344	5.344	0.0	1.000	64862	0.0444	Target=4.38	88.8	12.8	M
813.00 > 169.00	5.344	5.344	0.0	1.000	13366		4.85(2.19-6.57)		171	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.695	5.695	0.0	1.066	39978	0.0540	Target=4.31	108	12.6	M
913.00 > 169.00	5.686	5.695	-0.009	1.064	7860		5.09(2.16-6.47)		113	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCLOQV_00022

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A05.d

Injection Date: 02-Sep-2022 12:45:13

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

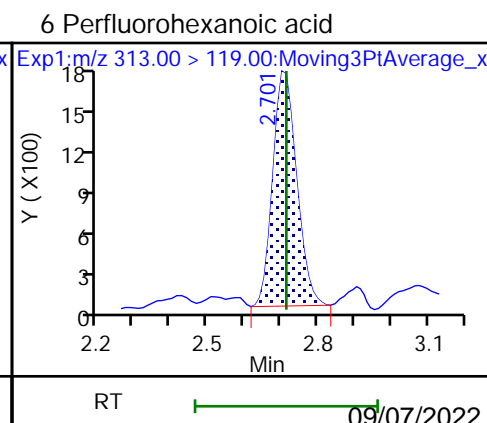
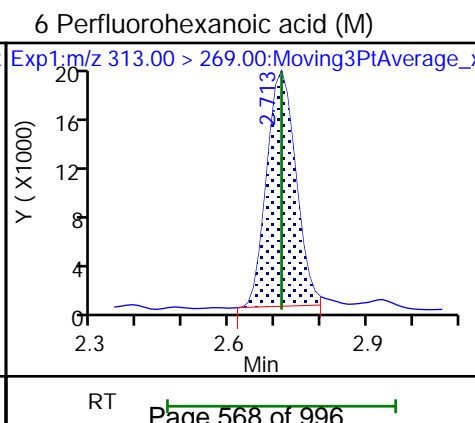
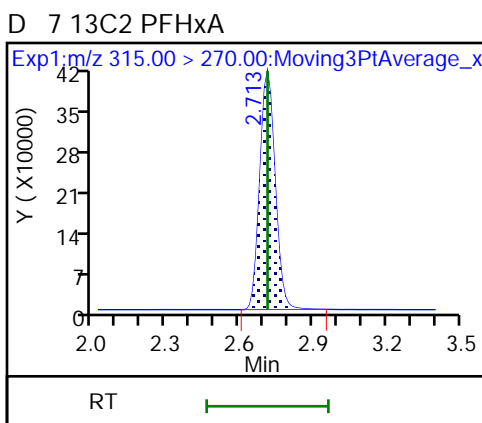
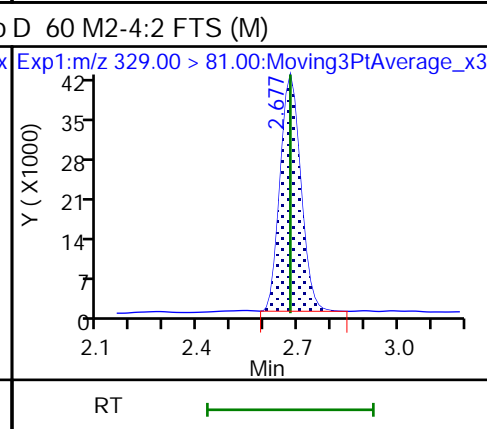
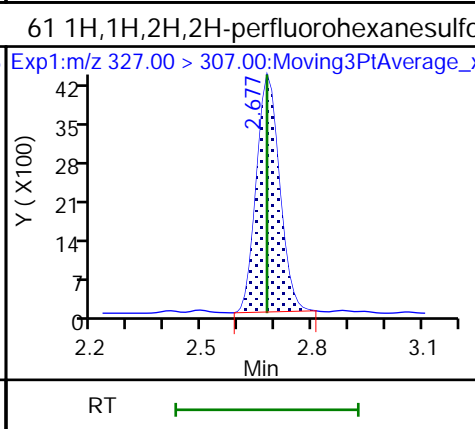
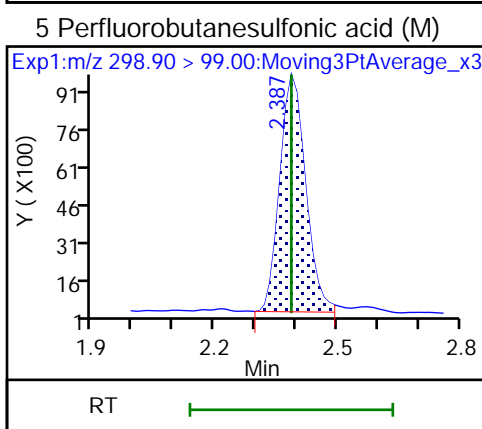
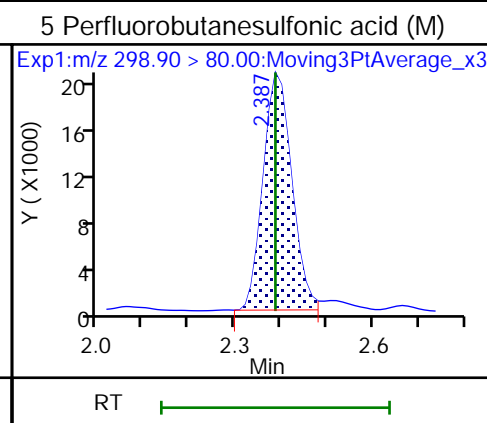
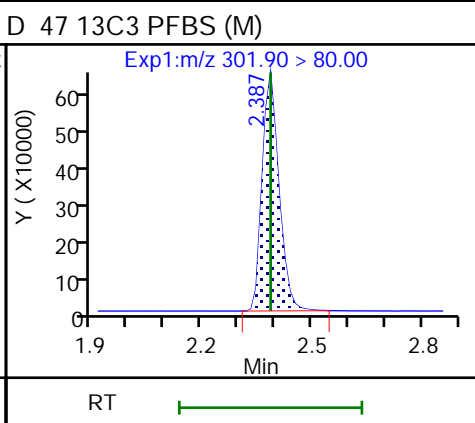
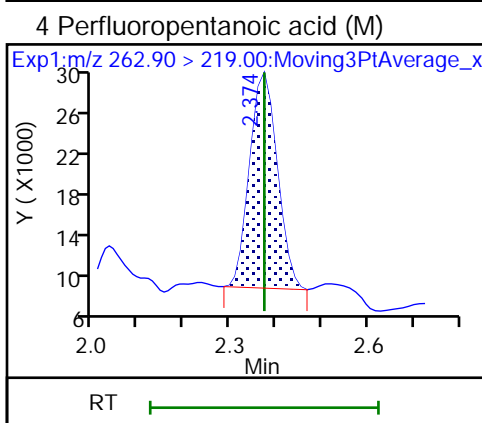
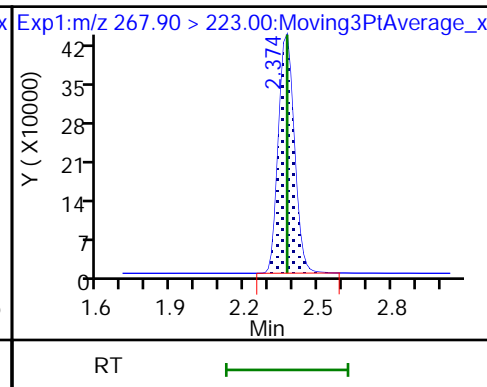
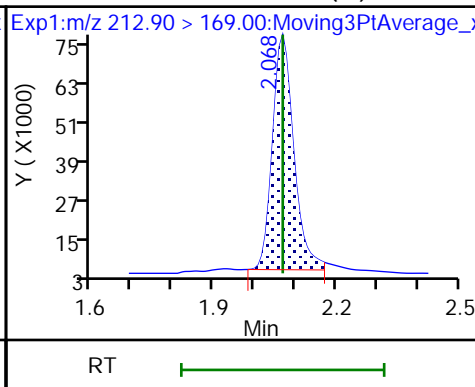
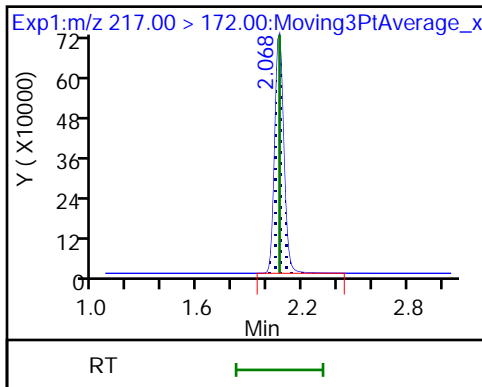
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

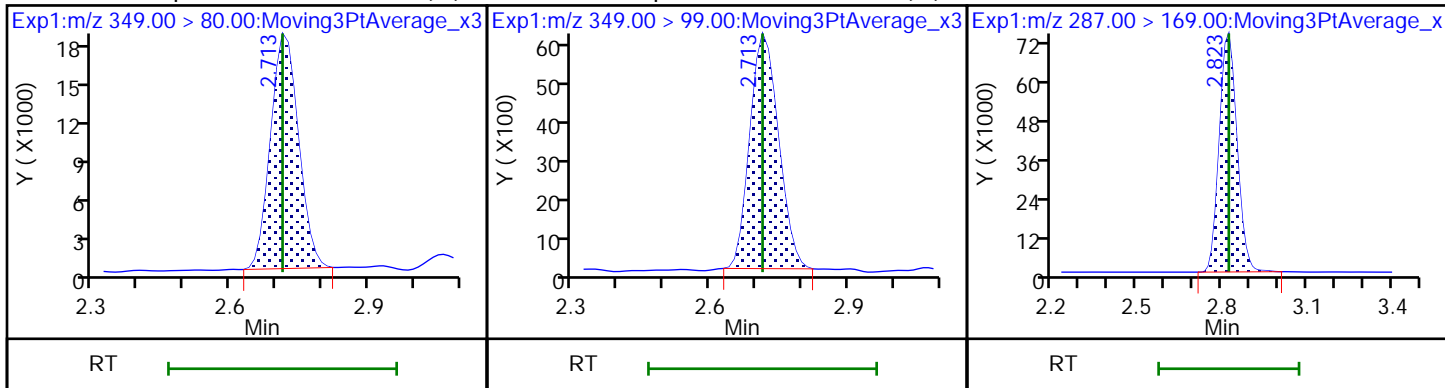
D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

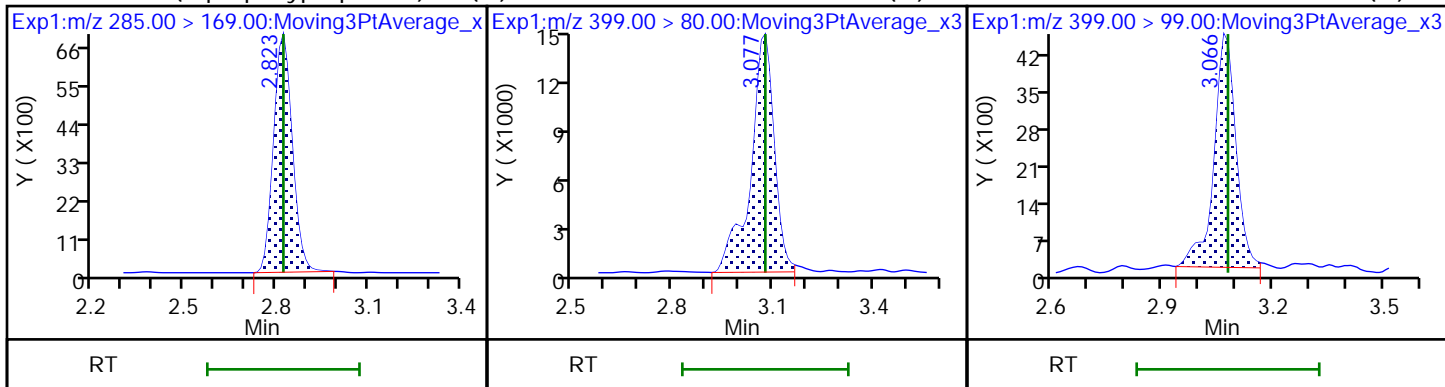
D 3 13C5 PFPeA



70 Perfluoropentanesulfonic acid (M) 70 Perfluoropentanesulfonic acid (M) D 64 13C3 HFPO-DA



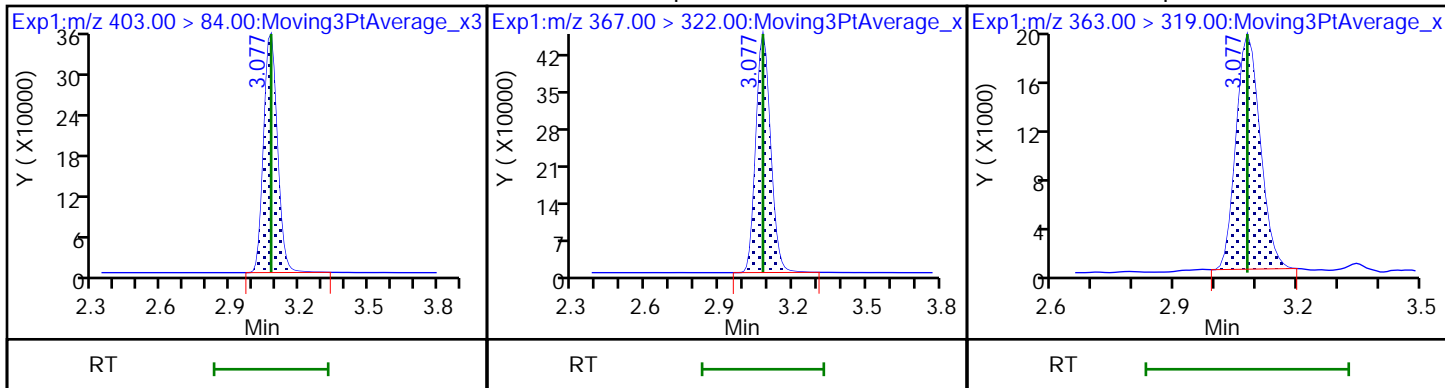
67 Perfluoro(2-propoxypropanoic) ac (M) 8 Perfluorohexanesulfonic acid (M) 8 Perfluorohexanesulfonic acid (M)



D 11 18O2 PFHxS

D 9 13C4 PFHpA

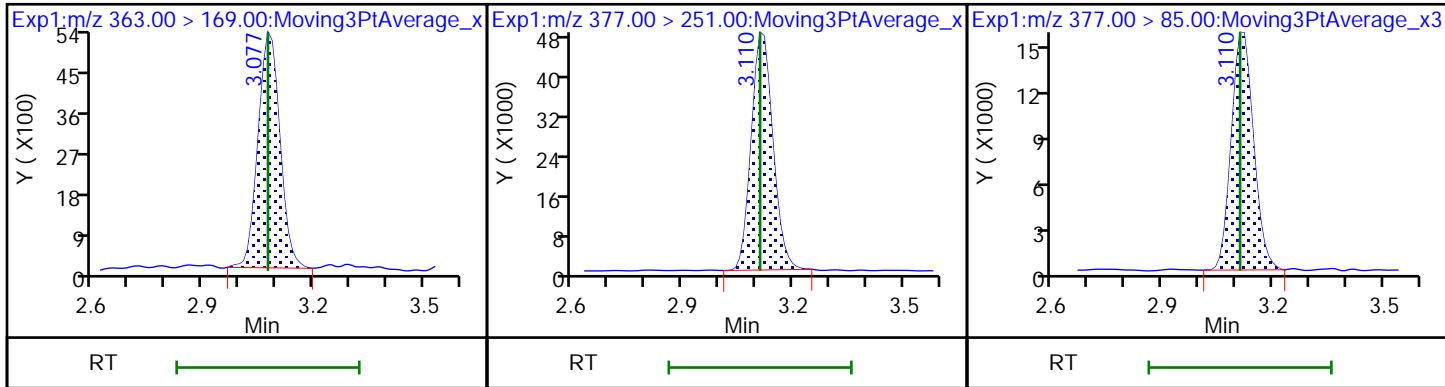
10 Perfluoroheptanoic acid



10 Perfluoroheptanoic acid

77 DONA

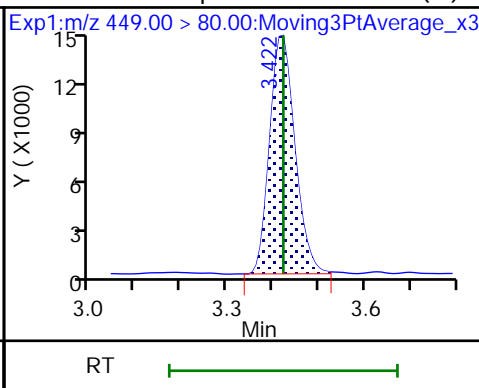
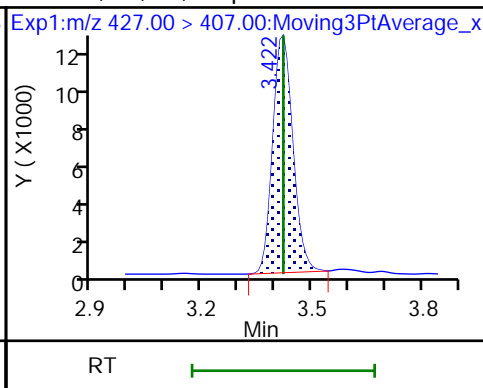
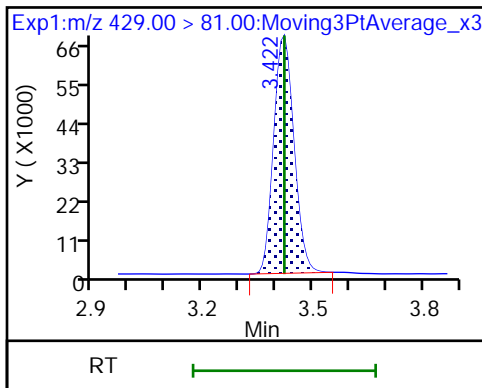
77 DONA (M)



D 12 M2-6:2 FTS

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

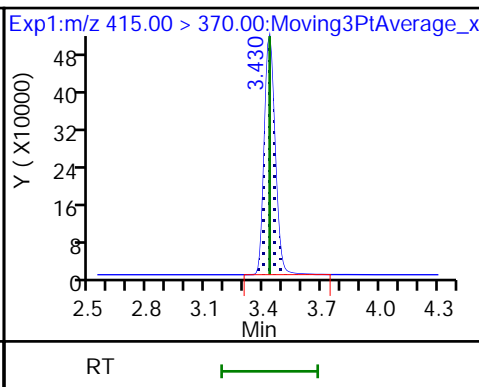
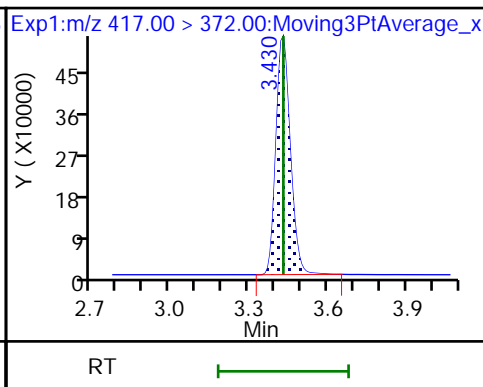
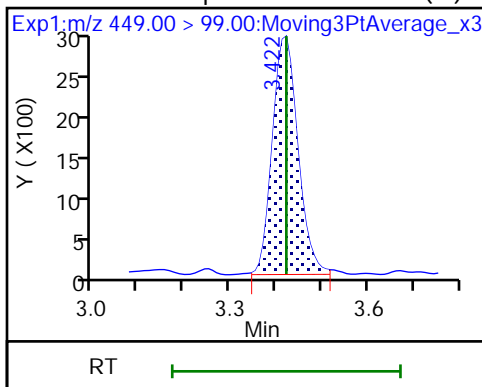
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

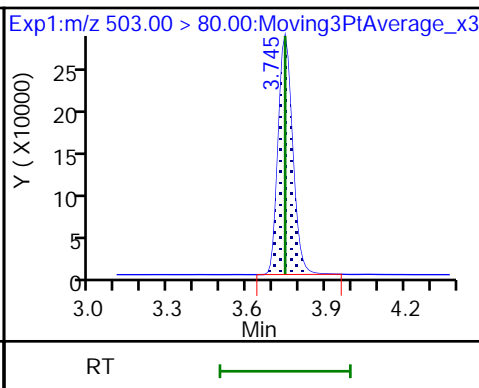
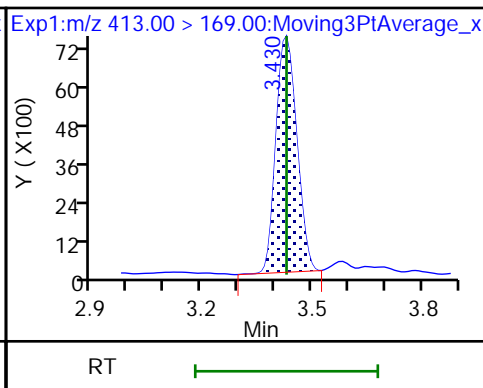
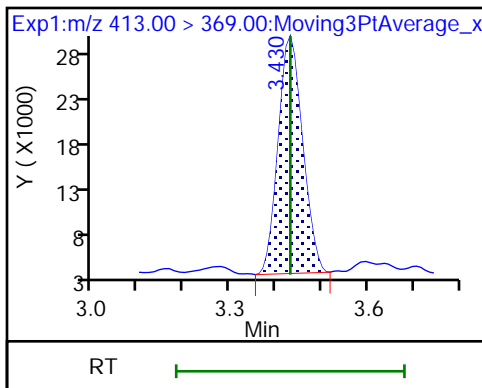
* 62 13C2 PFOA



15 Perfluorooctanoic acid

15 Perfluorooctanoic acid

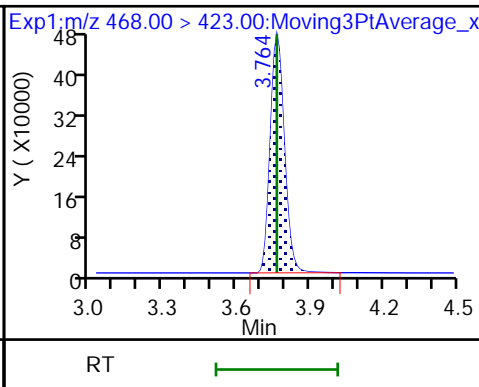
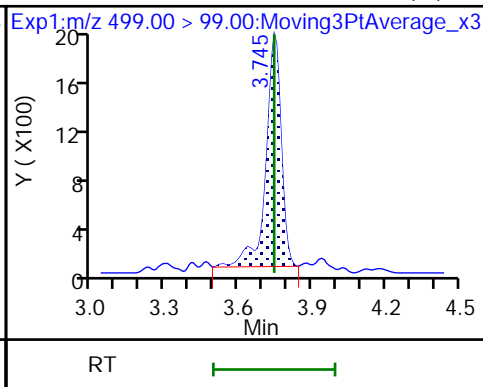
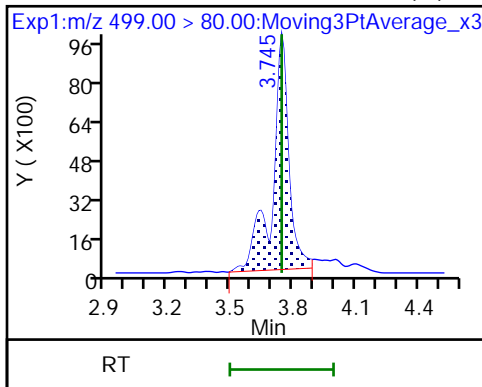
D 18 13C4 PFOS

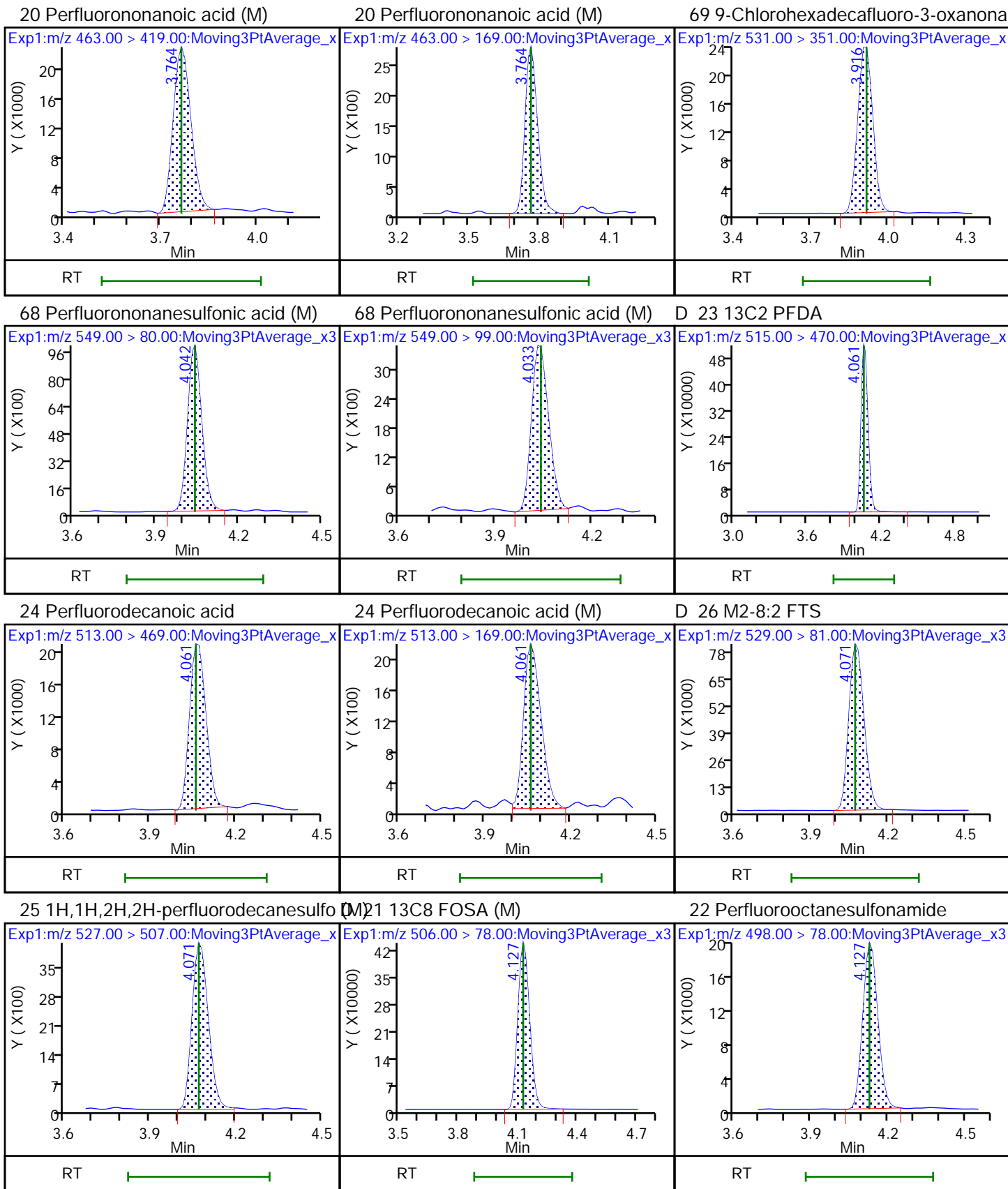


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

D 19 13C5 PFNA

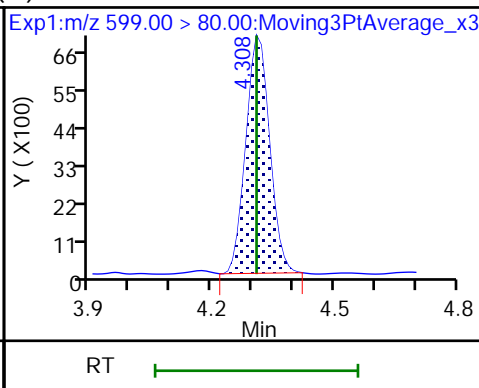
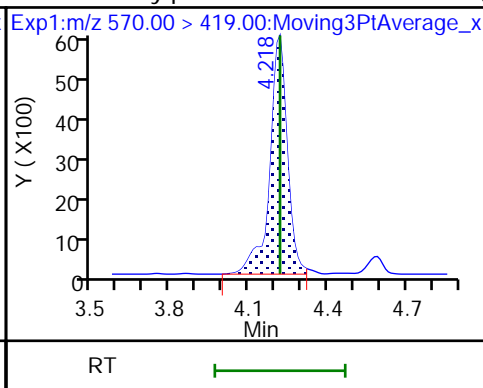
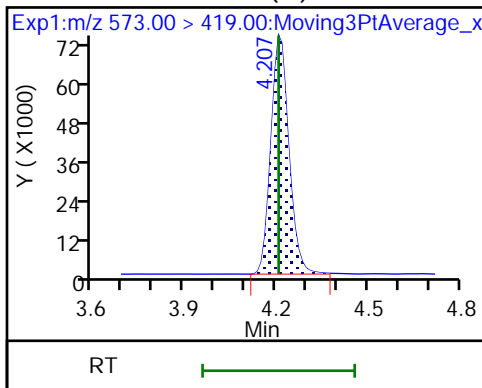




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

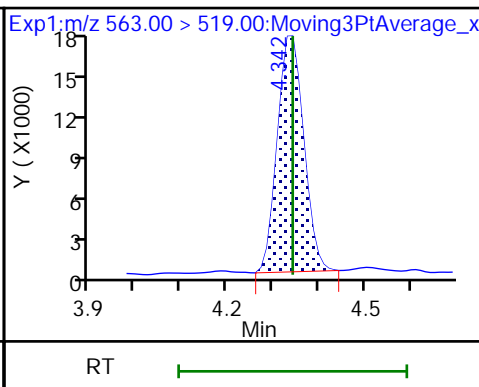
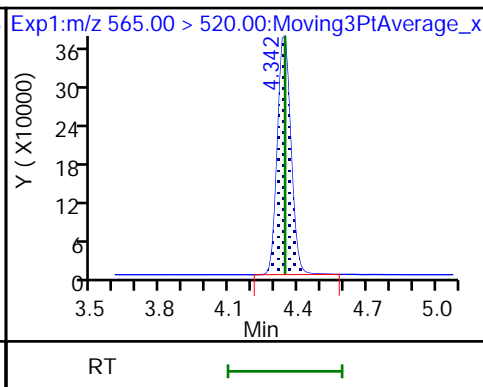
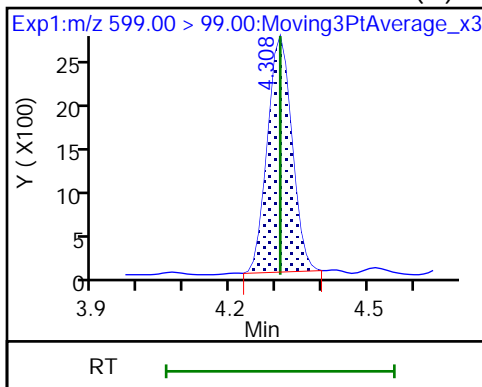
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUoA

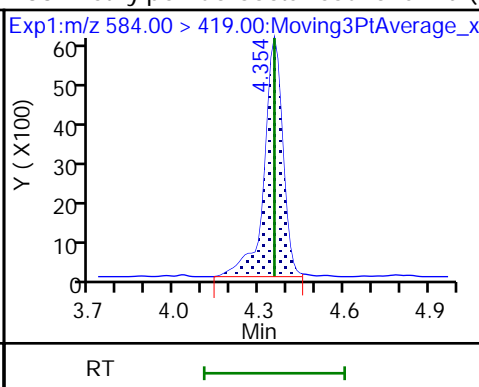
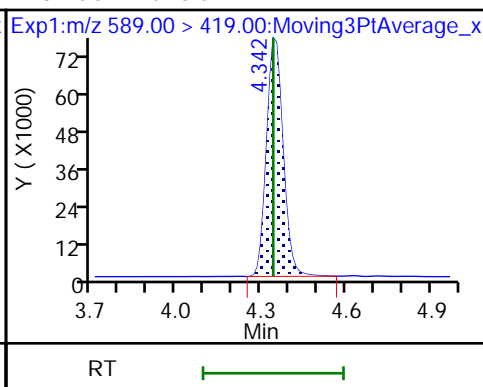
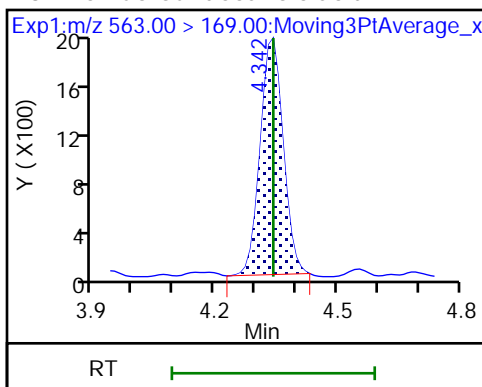
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid

D 32 d5-NEtFOSAA

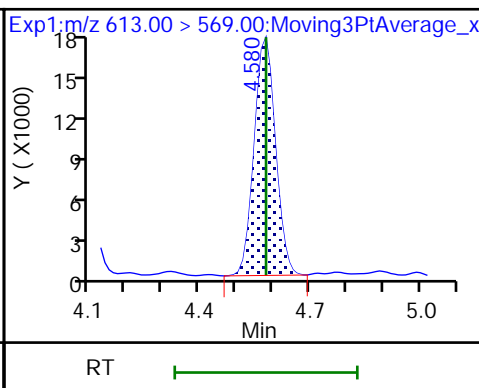
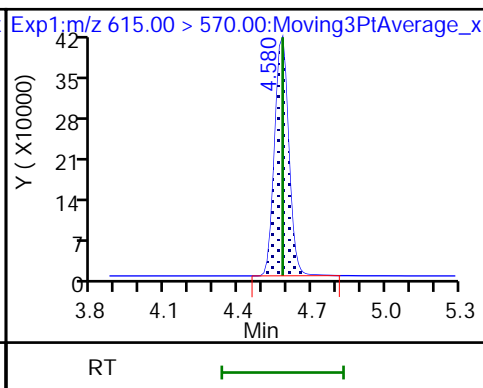
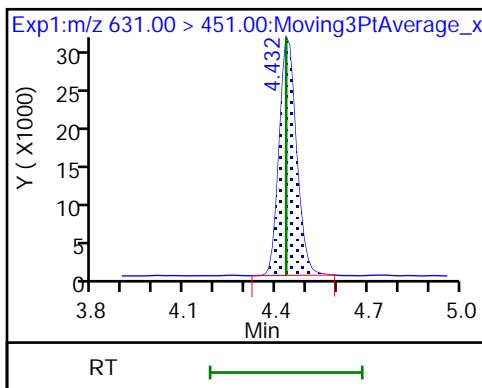
33 N-ethylperfluorooctanesulfonamid (M)



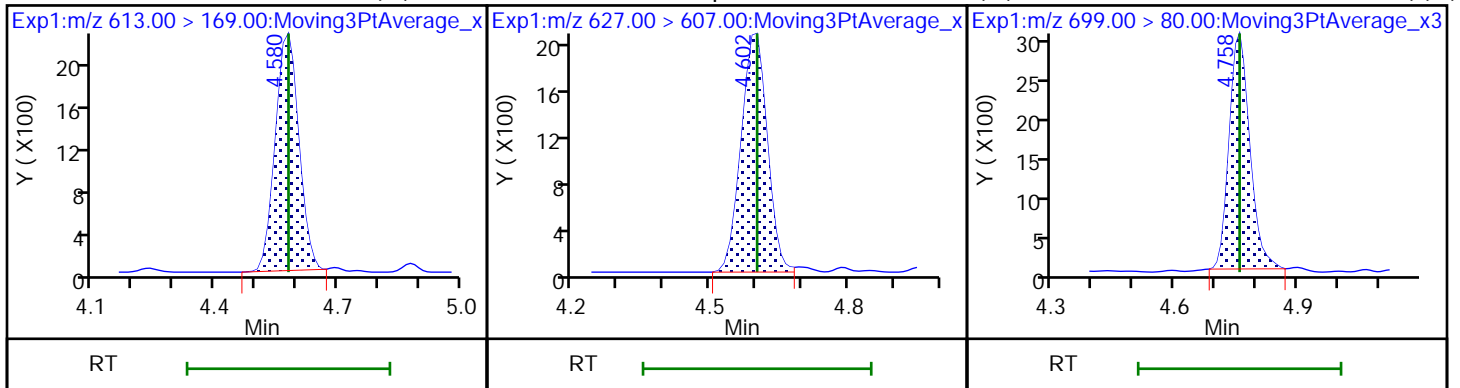
66 11-Chloroeicosafuoro-3-oxaundec

D 36 13C2 PFDoA

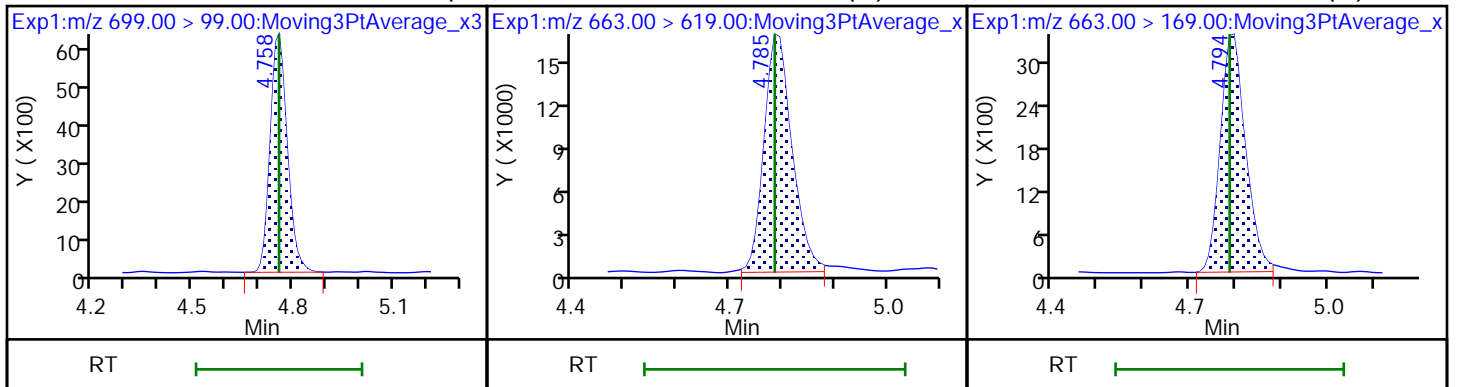
37 Perfluorododecanoic acid



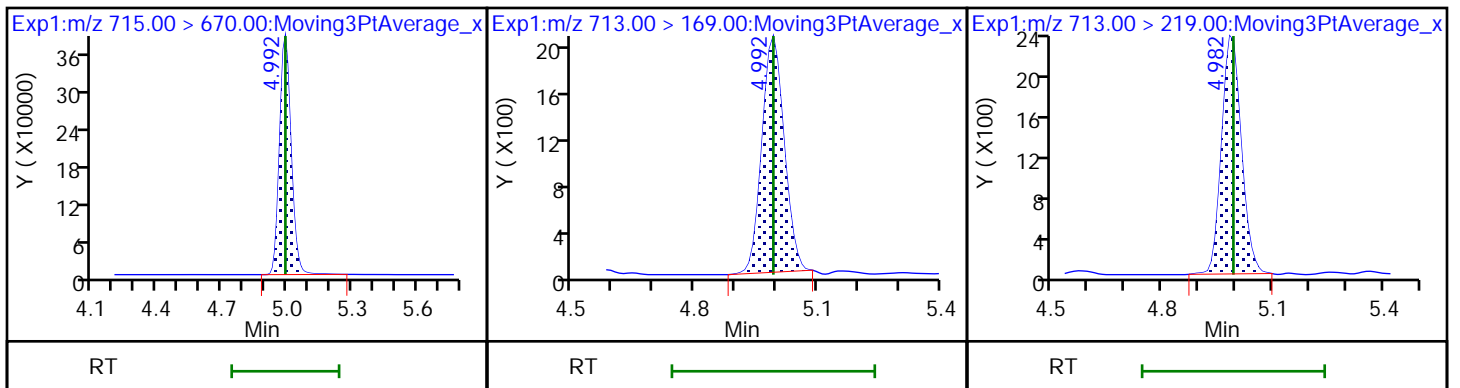
37 Perfluorododecanoic acid (M) 74 1H,1H,2H,2H-perfluorododecanesul (M) 75 Perfluorododecanesulfonic acid (M)



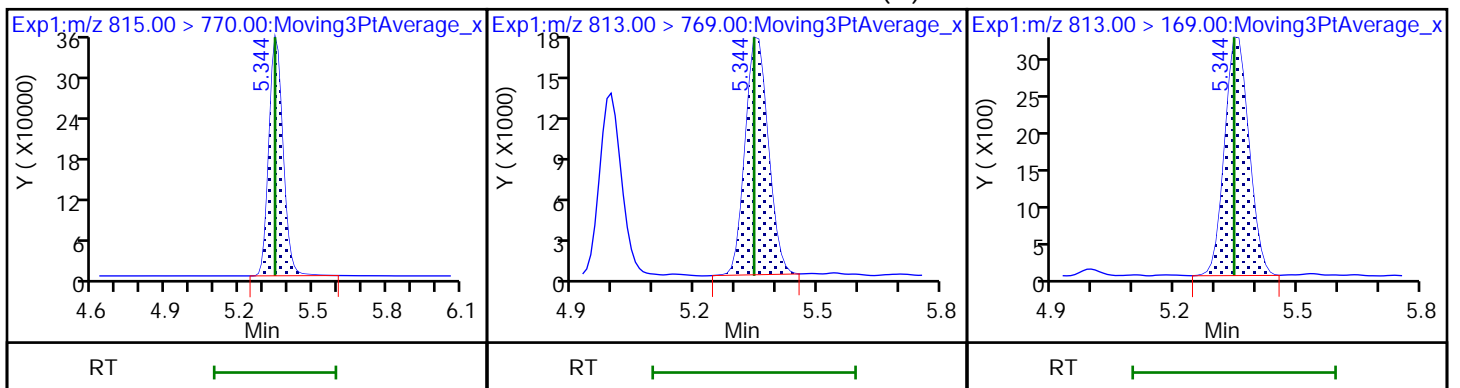
75 Perfluorododecanesulfonic acid (M) 41 Perfluorotridecanoic acid (M) 41 Perfluorotridecanoic acid (M)



D 43 13C2 PFTeDA 42 Perfluorotetradecanoic acid 42 Perfluorotetradecanoic acid

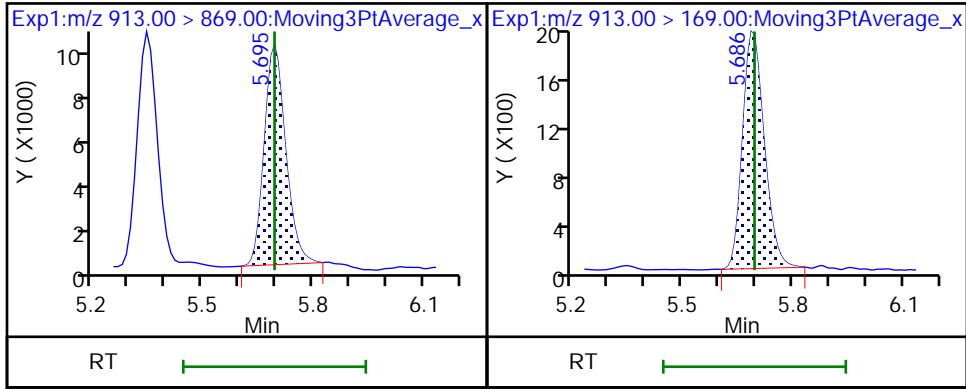


D 44 13C2 PFHxDA 45 Perfluorohexadecanoic acid (M) 45 Perfluorohexadecanoic acid



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

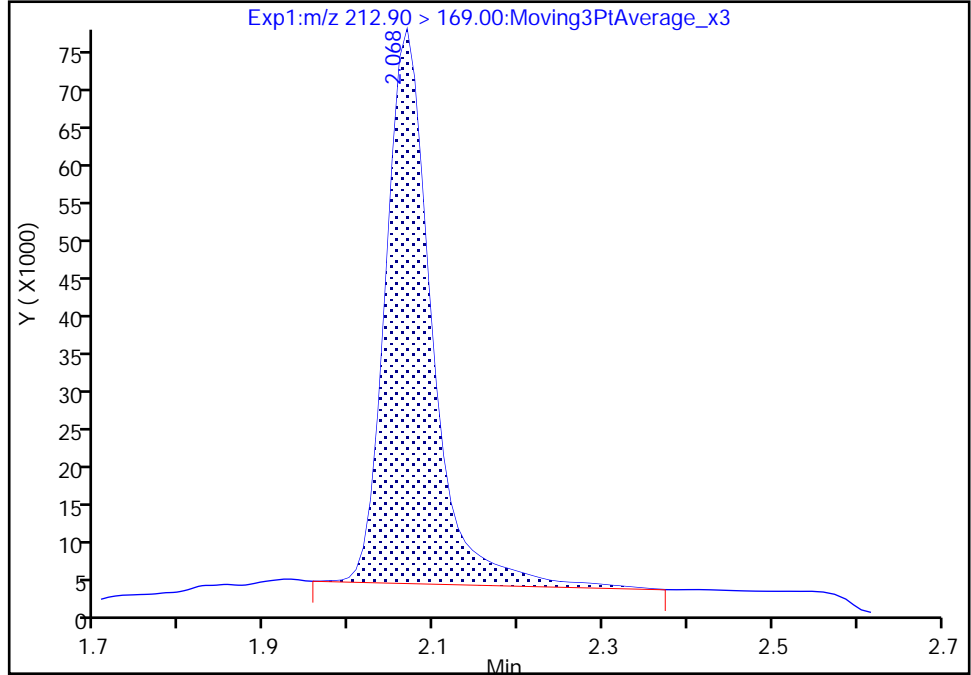
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Injection Date: 02-Sep-2022 12:45:13 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

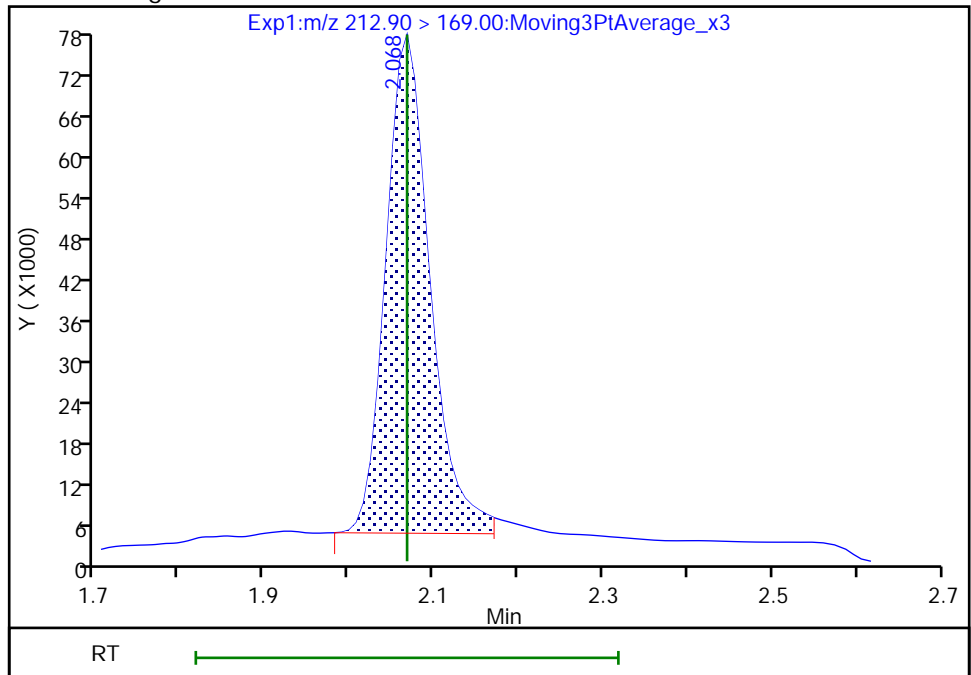
RT: 2.07
Area: 279767
Amount: 0.142790
Amount Units: ng/ml

Processing Integration Results



RT: 2.07
Area: 265401
Amount: 0.135458
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:32:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

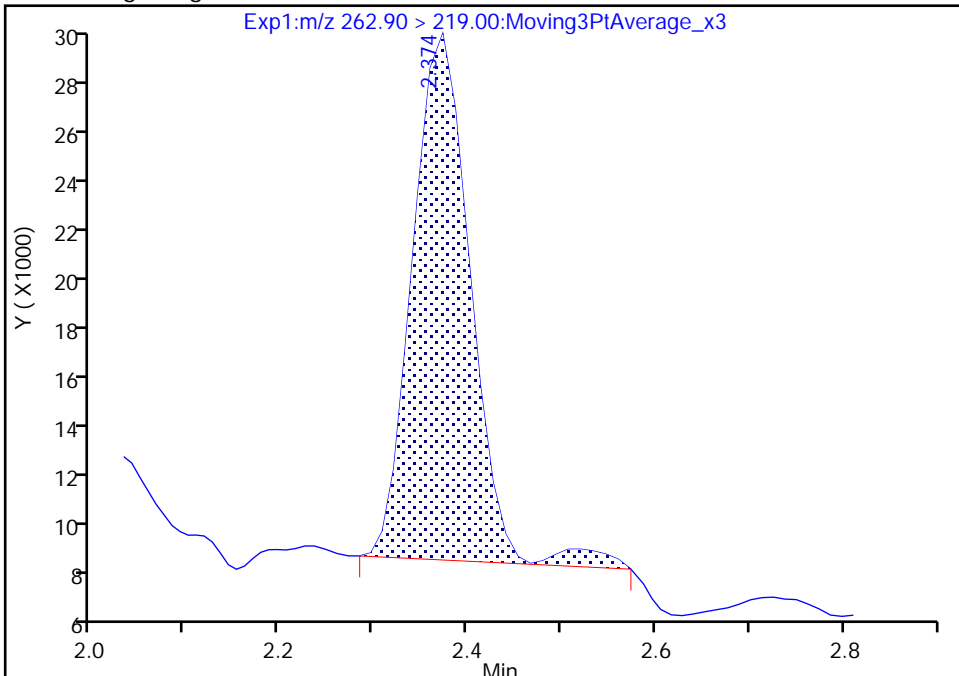
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Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

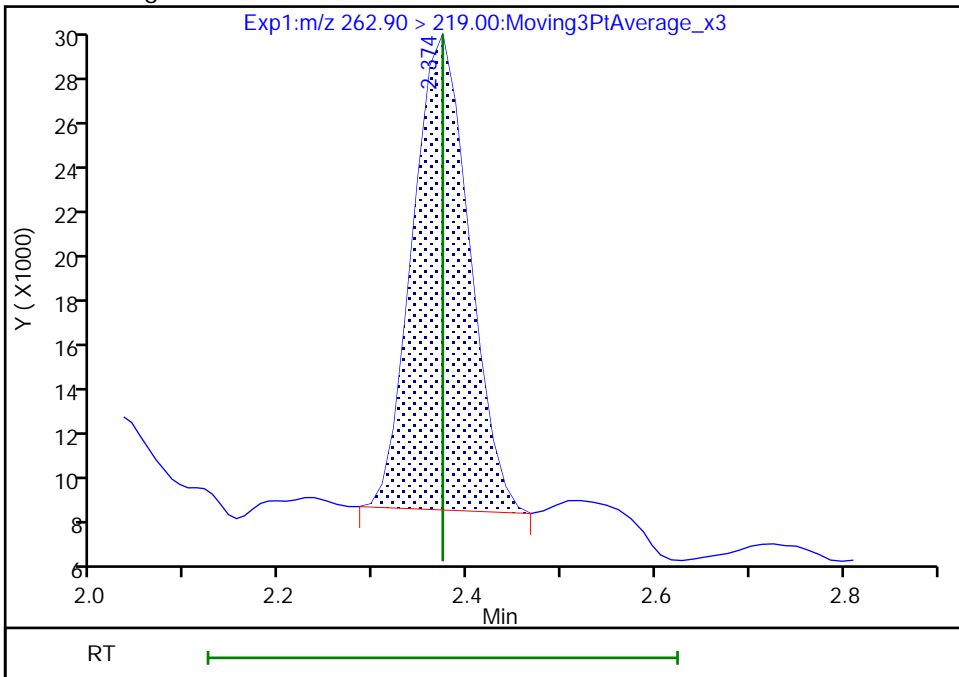
RT: 2.37
Area: 89702
Amount: 0.056302
Amount Units: ng/ml

Processing Integration Results



RT: 2.37
Area: 86744
Amount: 0.054446
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:32:09
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

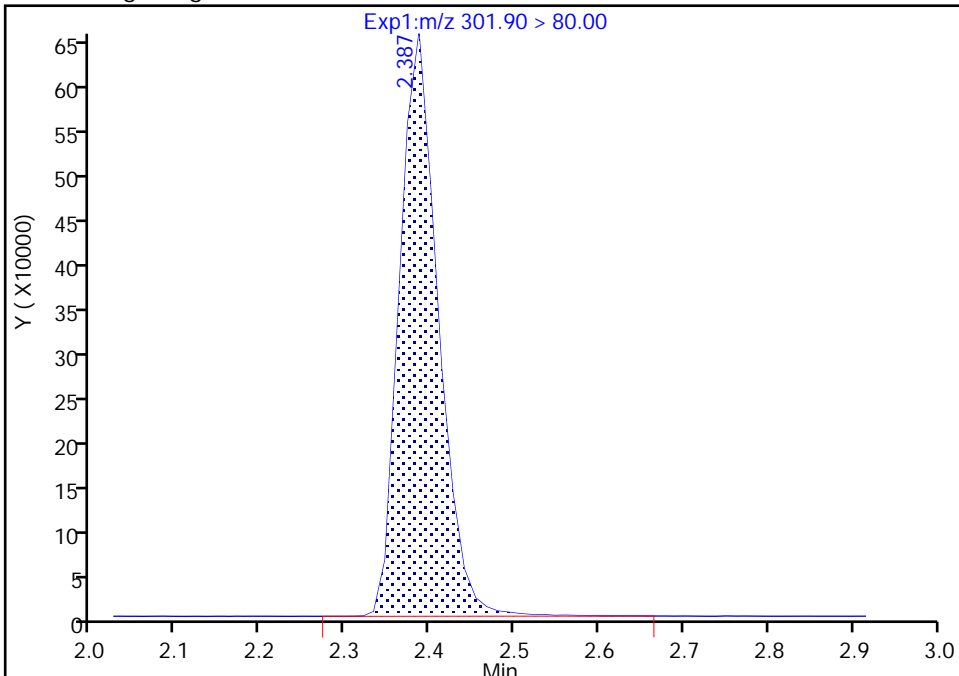
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Injection Date: 02-Sep-2022 12:45:13 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

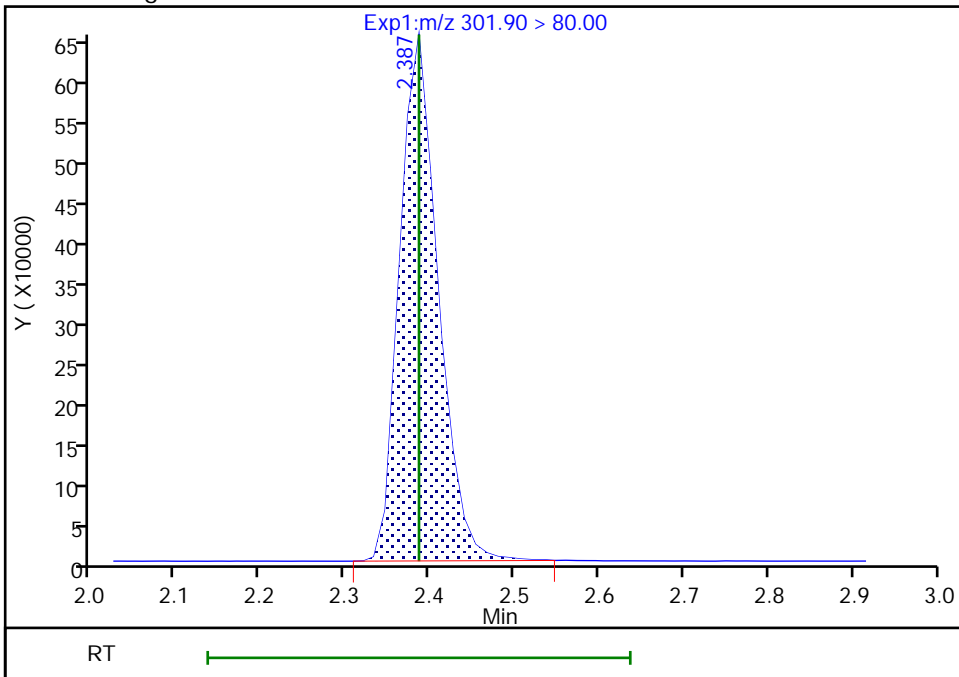
RT: 2.39
Area: 2059440
Amount: 1.261972
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 2051493
Amount: 1.257102
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:30:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

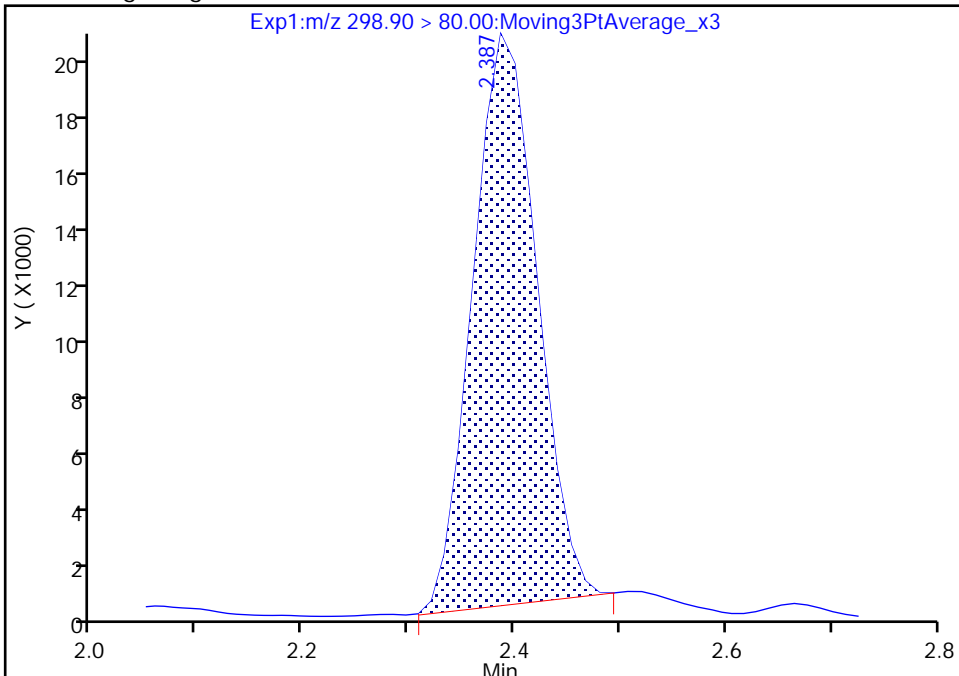
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A05.d
Injection Date: 02-Sep-2022 12:45:13 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

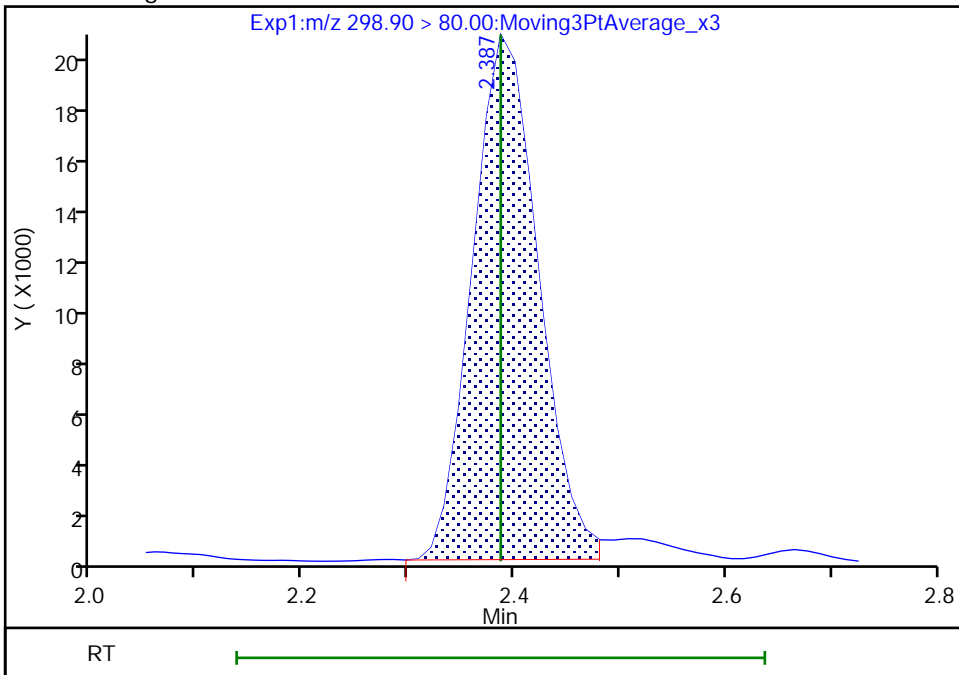
RT: 2.39
Area: 83590
Amount: 0.042911
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 87032
Amount: 0.044678
Amount Units: ng/ml

Manual Integration Results



Reviewer: SJ4N, 06-Sep-2022 11:10:27
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

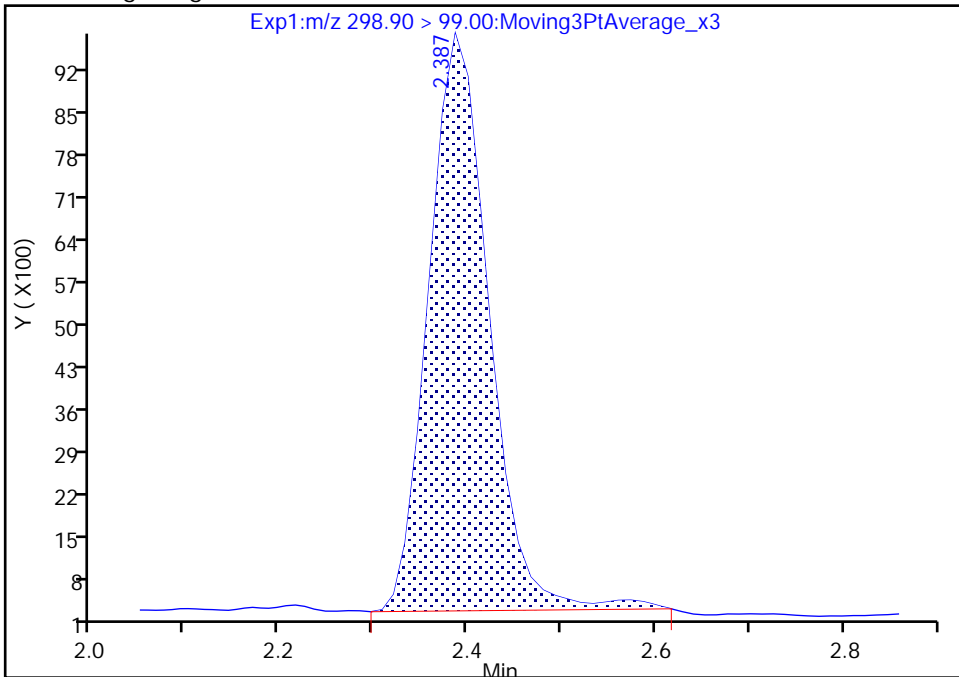
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A05.d
Injection Date: 02-Sep-2022 12:45:13 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

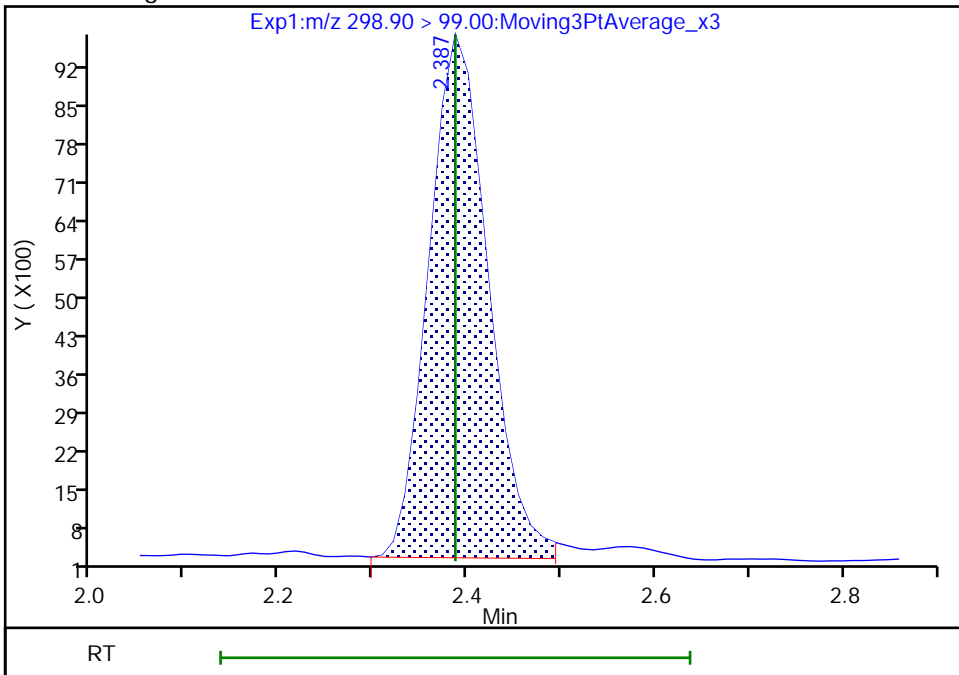
RT: 2.39
Area: 42176
Amount: 0.042911
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 41629
Amount: 0.044678
Amount Units: ng/ml

Manual Integration Results



Reviewer: SJ4N, 06-Sep-2022 11:10:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

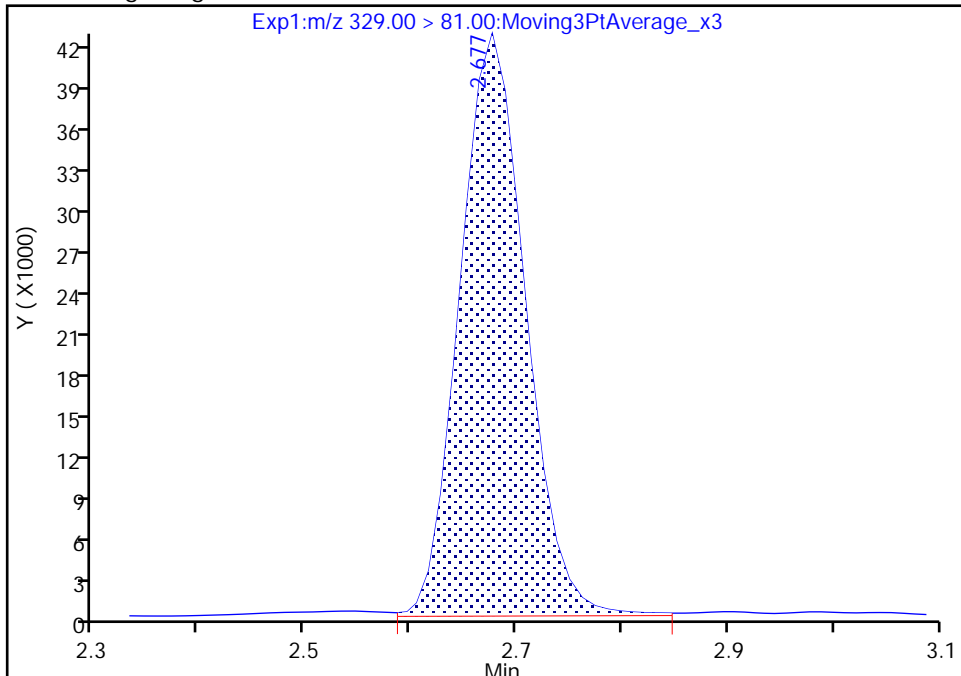
Data File:	\\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A05.d		
Injection Date:	02-Sep-2022 12:45:13	Instrument ID:	LC812
Lims ID:	CCVLIS		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	5

D 60 M2-4:2 FTS, CAS: STL02395

Signal: 1

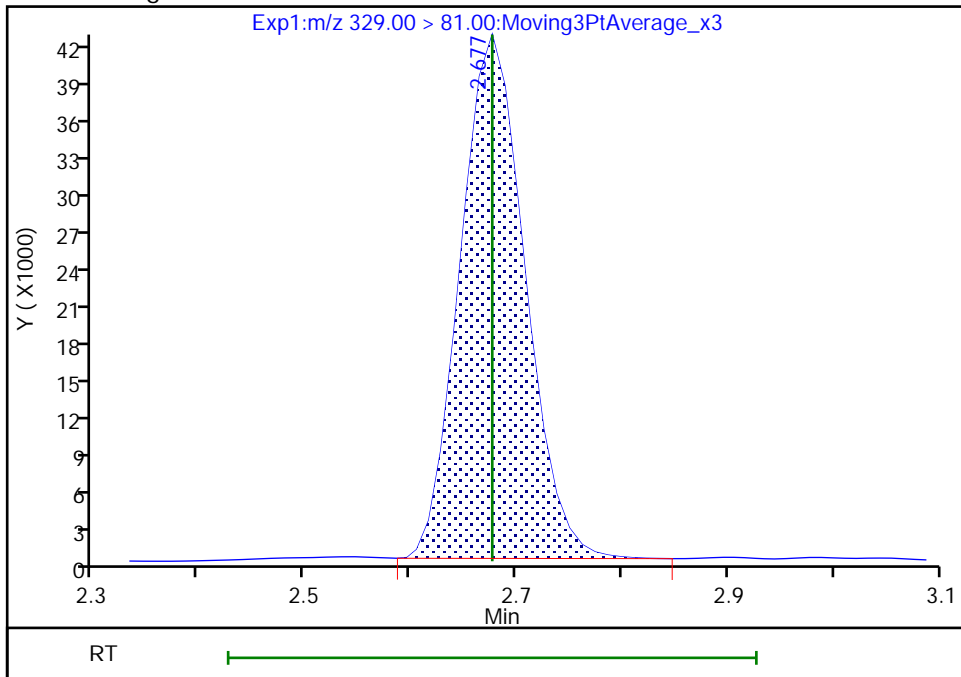
RT: 2.68
 Area: 183266
 Amount: 1.304467
 Amount Units: ng/ml

Processing Integration Results



RT: 2.68
 Area: 179824
 Amount: 1.279967
 Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:31:01
 Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

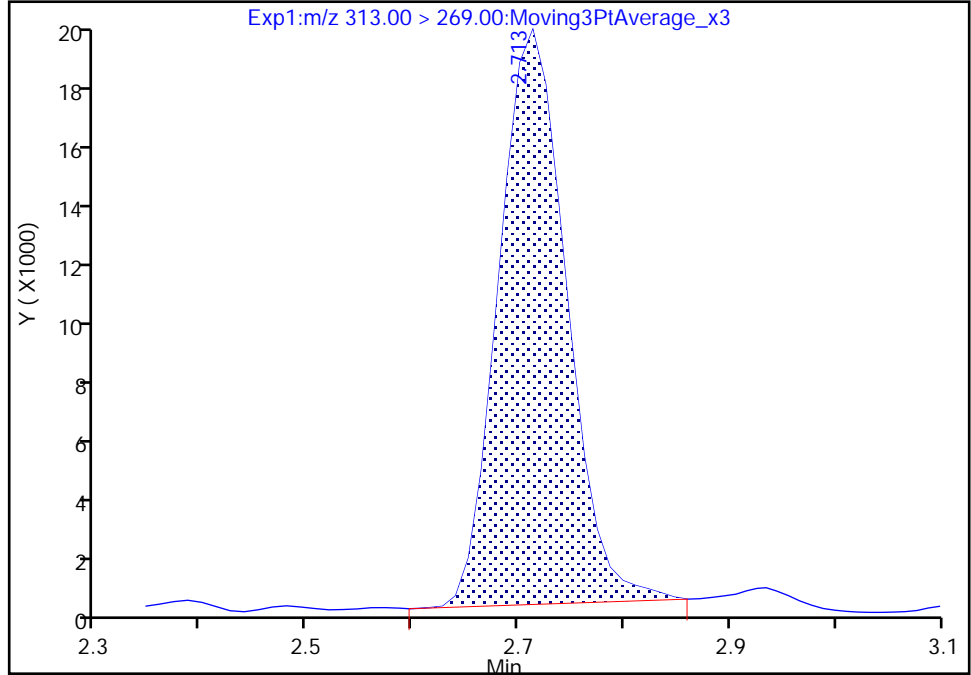
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A05.d
Injection Date: 02-Sep-2022 12:45:13 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

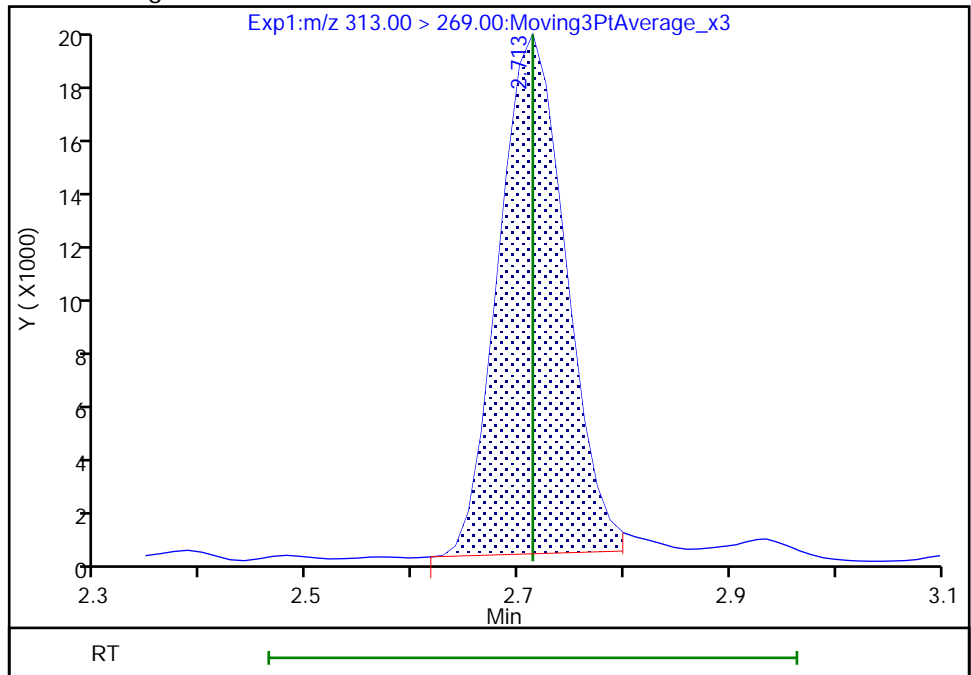
RT: 2.71
Area: 81206
Amount: 0.053694
Amount Units: ng/ml

Processing Integration Results



RT: 2.71
Area: 79994
Amount: 0.052893
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:32:52
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

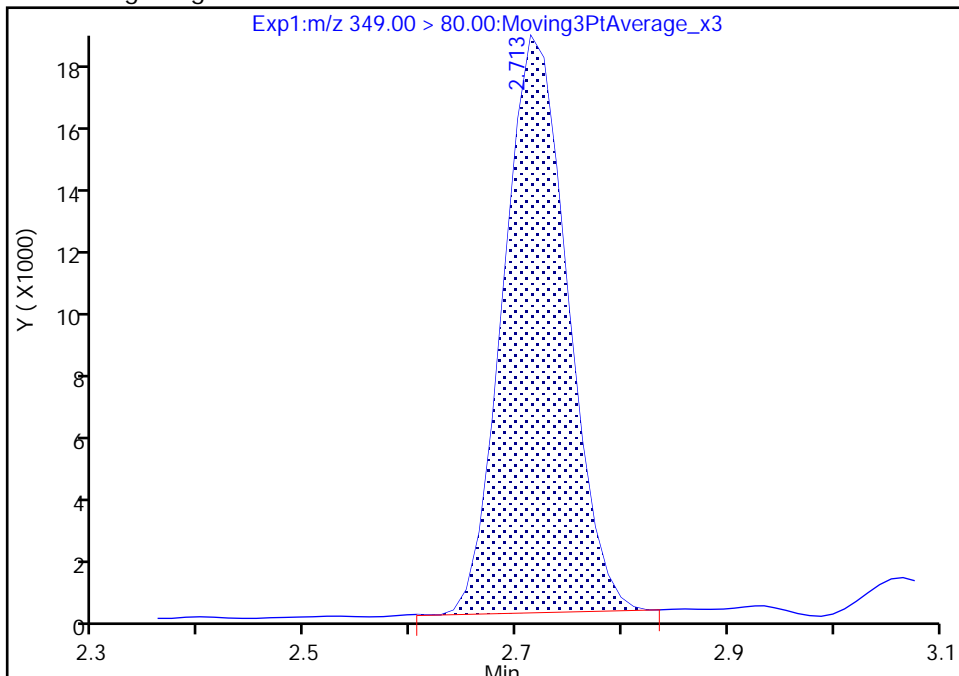
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A05.d
Injection Date: 02-Sep-2022 12:45:13 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

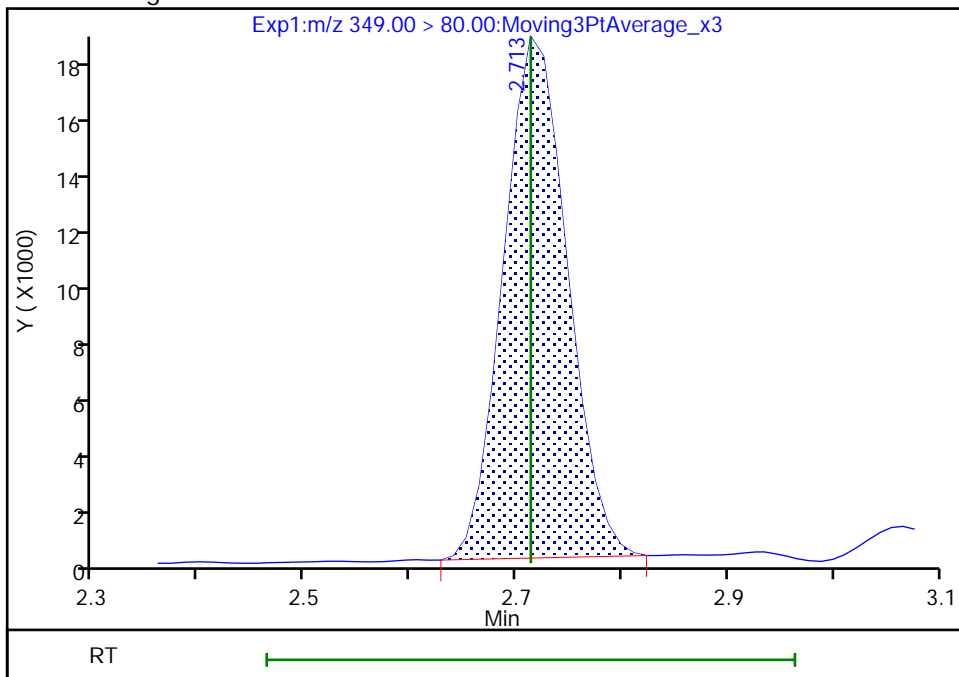
RT: 2.71
Area: 77566
Amount: 0.048440
Amount Units: ng/ml

Processing Integration Results



RT: 2.71
Area: 77465
Amount: 0.048377
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:33:01
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

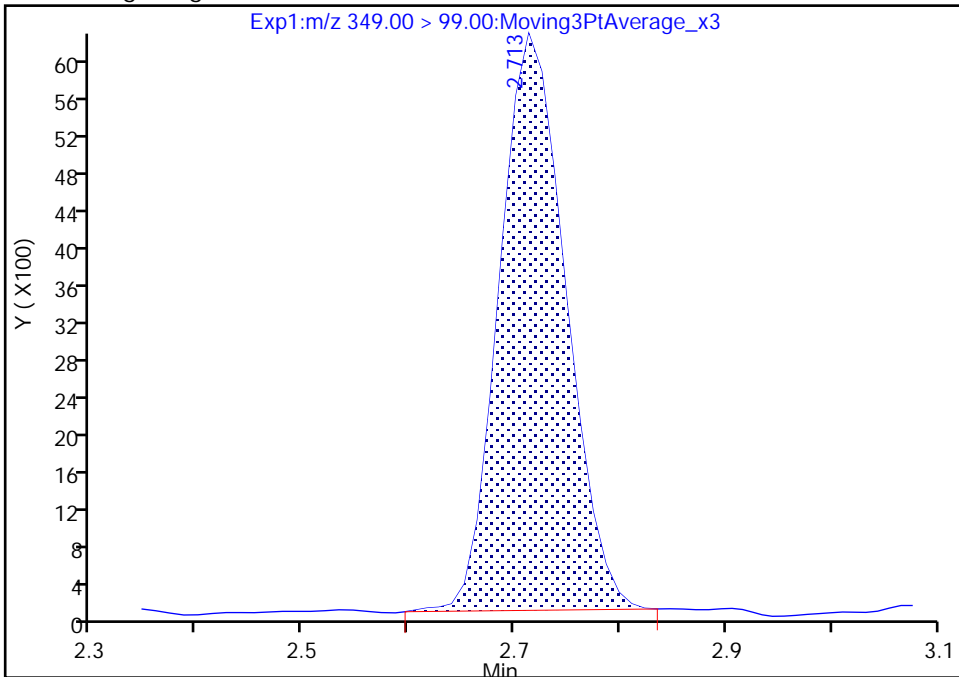
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A05.d
Injection Date: 02-Sep-2022 12:45:13 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 2

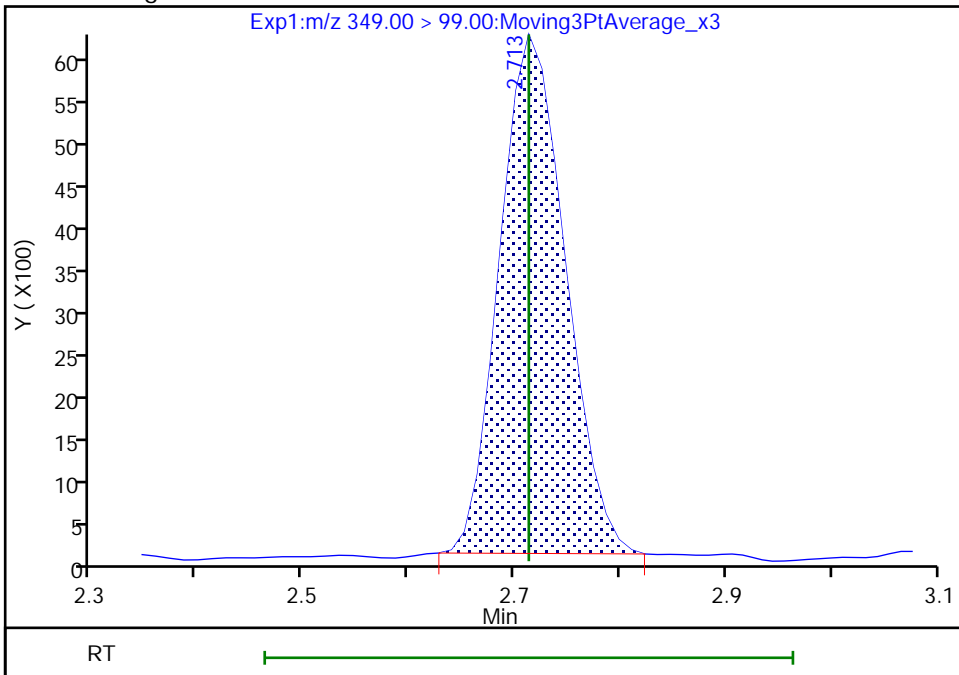
RT: 2.71
Area: 27026
Amount: 0.048440
Amount Units: ng/ml

Processing Integration Results



RT: 2.71
Area: 26667
Amount: 0.048377
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:33:07

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

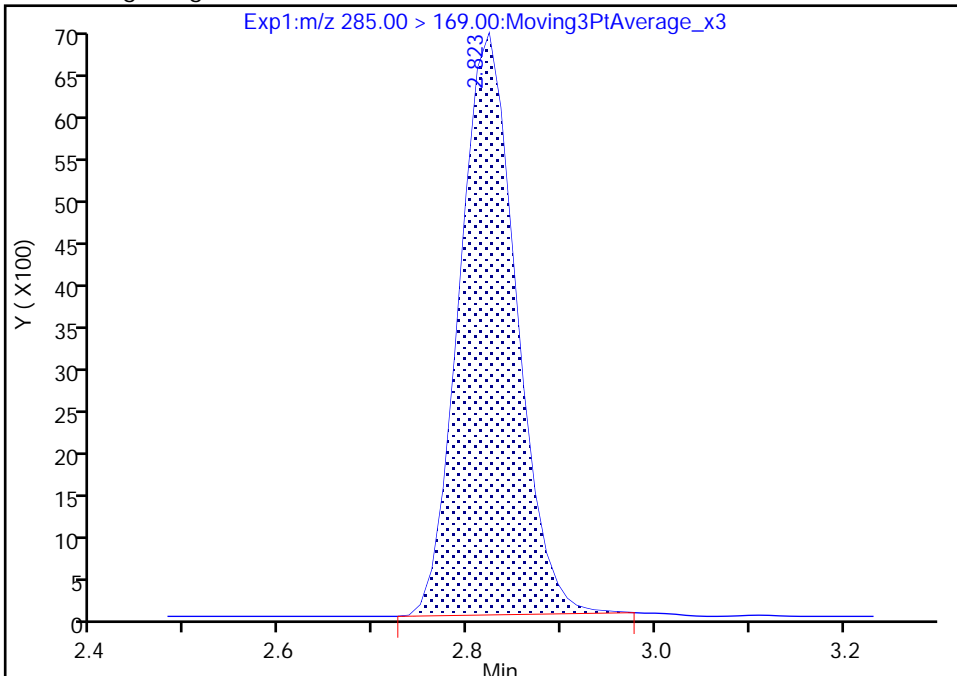
Data File:	\\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A05.d		
Injection Date:	02-Sep-2022 12:45:13	Instrument ID:	LC812
Lims ID:	CCVLIS		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	2
		Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1

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

Signal: 1

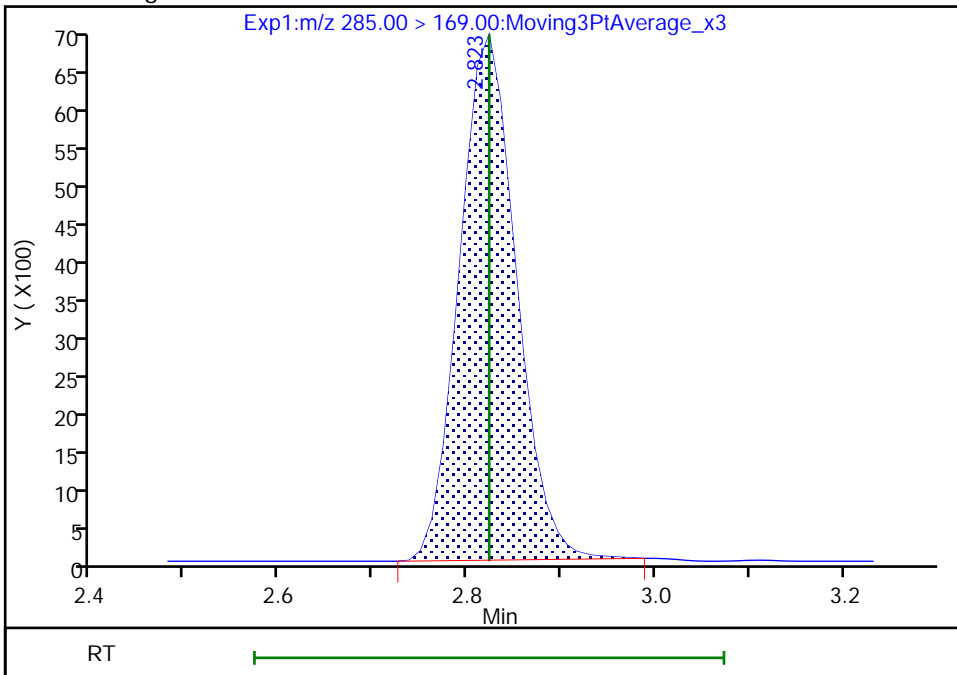
RT: 2.82
 Area: 28901
 Amount: 0.104689
 Amount Units: ng/ml

Processing Integration Results



RT: 2.82
 Area: 28961
 Amount: 0.104906
 Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:33:13
 Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

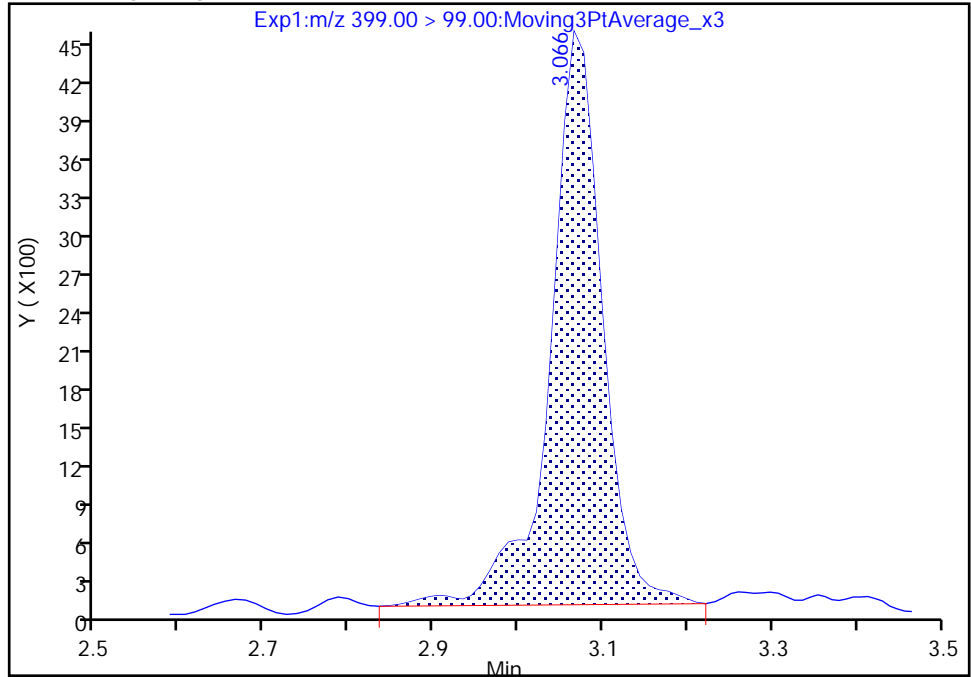
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A05.d
Injection Date: 02-Sep-2022 12:45:13 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

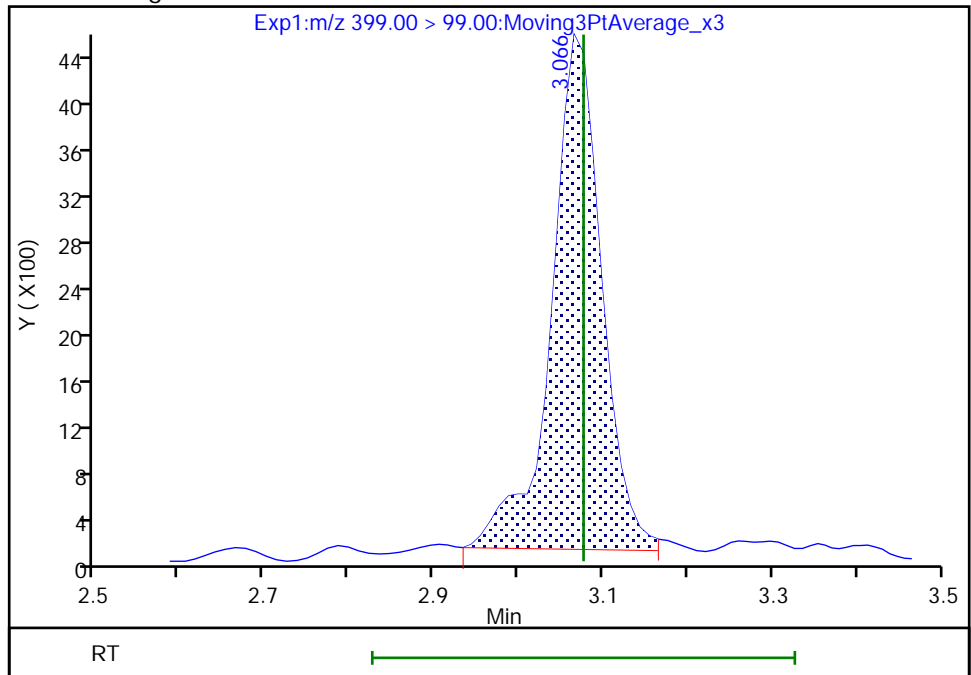
RT: 3.07
Area: 19274
Amount: 0.052454
Amount Units: ng/ml

Processing Integration Results



RT: 3.07
Area: 18414
Amount: 0.051839
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:33:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

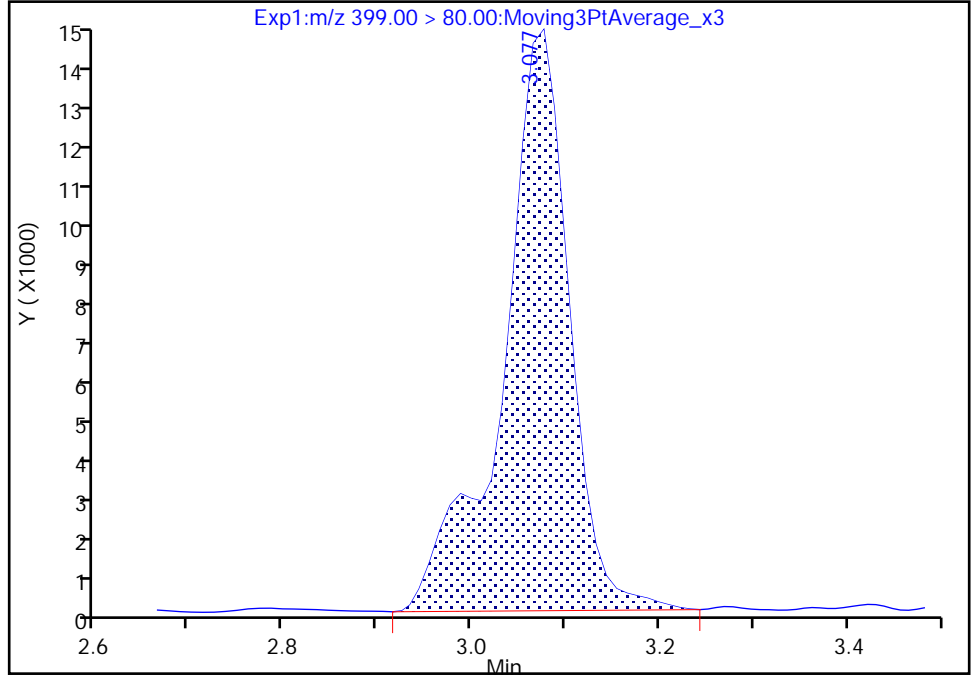
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A05.d
Injection Date: 02-Sep-2022 12:45:13 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

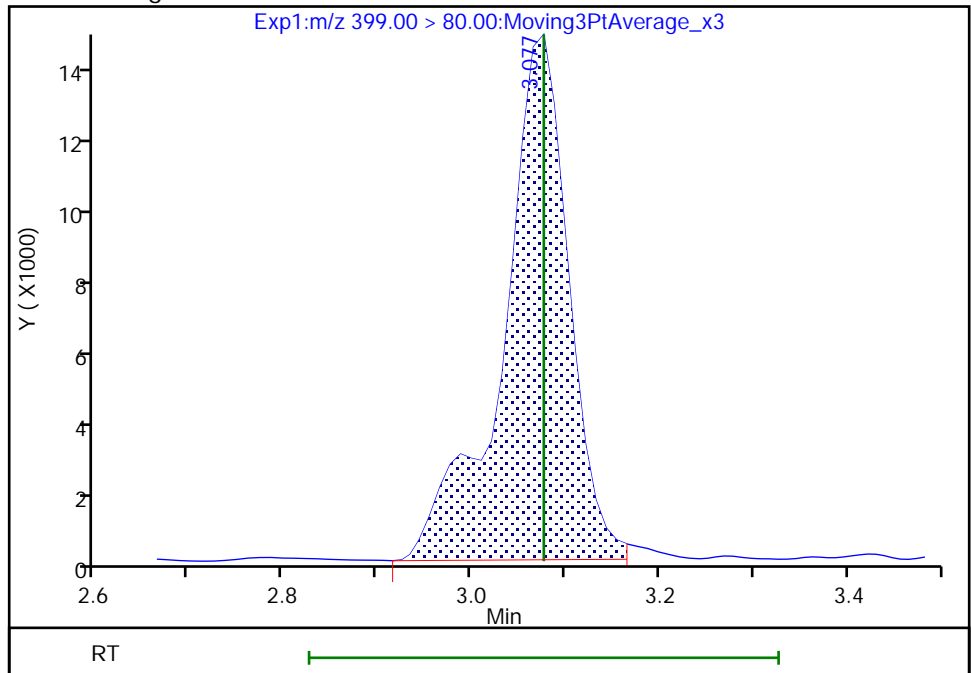
RT: 3.08
Area: 71448
Amount: 0.052454
Amount Units: ng/ml

Processing Integration Results



RT: 3.08
Area: 70611
Amount: 0.051839
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:33:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

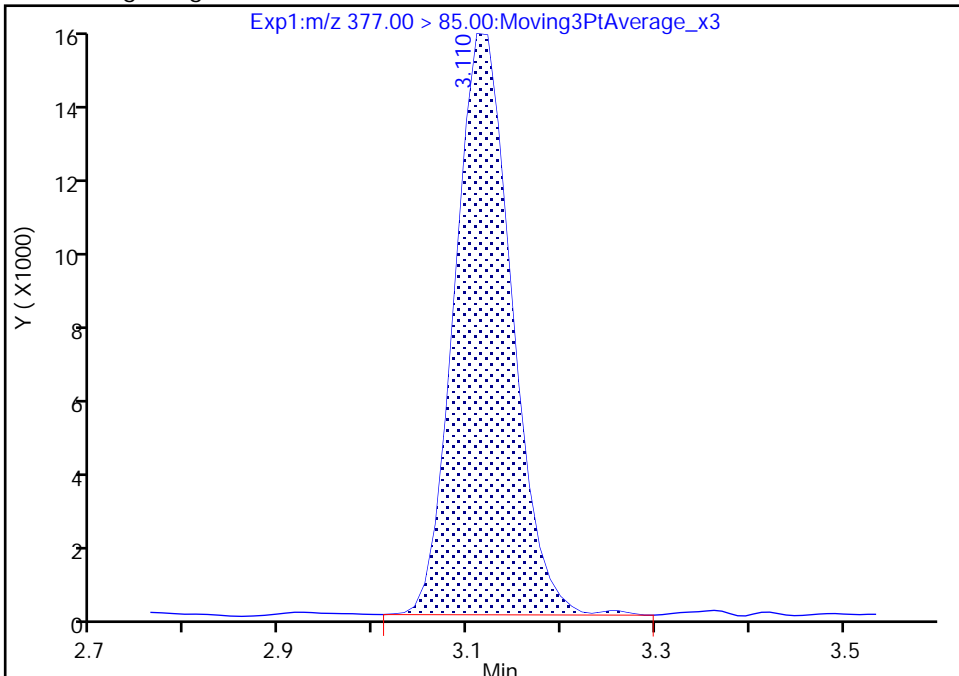
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A05.d
Injection Date: 02-Sep-2022 12:45:13 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 2

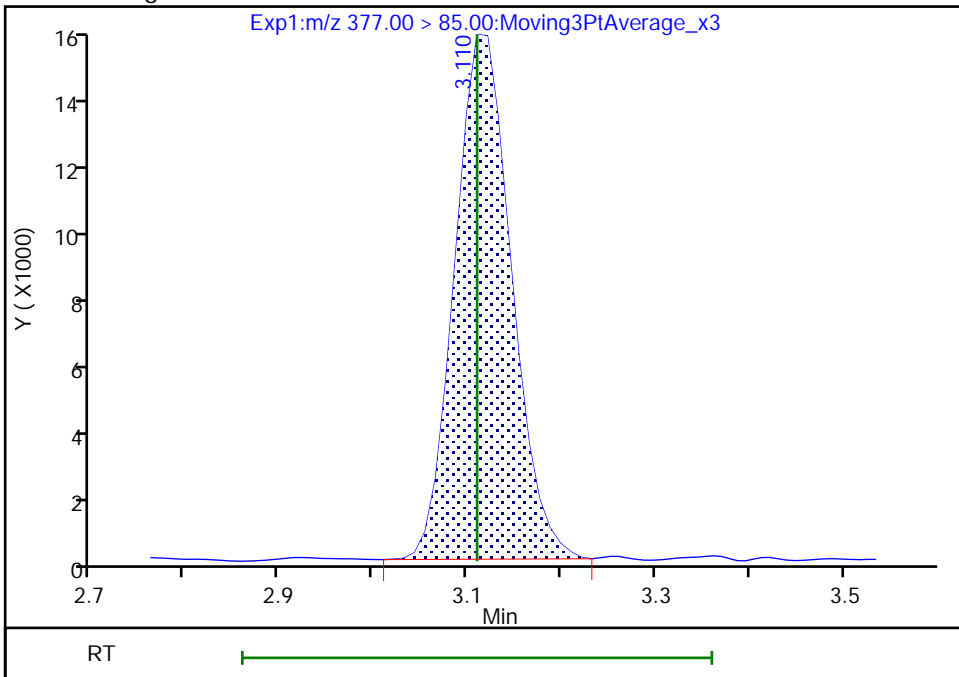
RT: 3.11
Area: 63714
Amount: 0.053585
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 63254
Amount: 0.053585
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:33:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

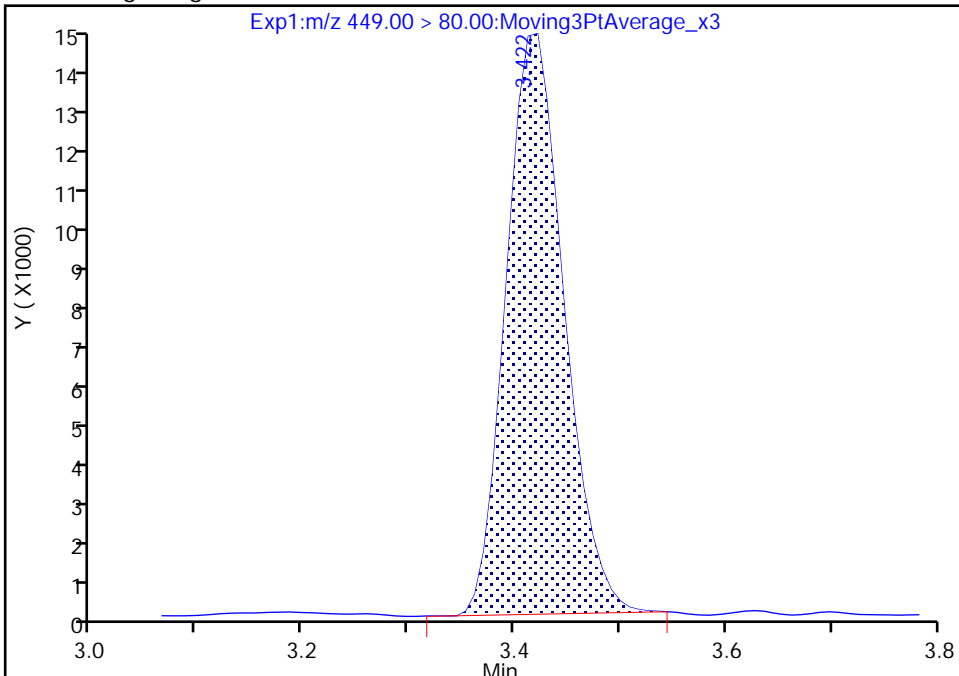
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A05.d
Injection Date: 02-Sep-2022 12:45:13 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

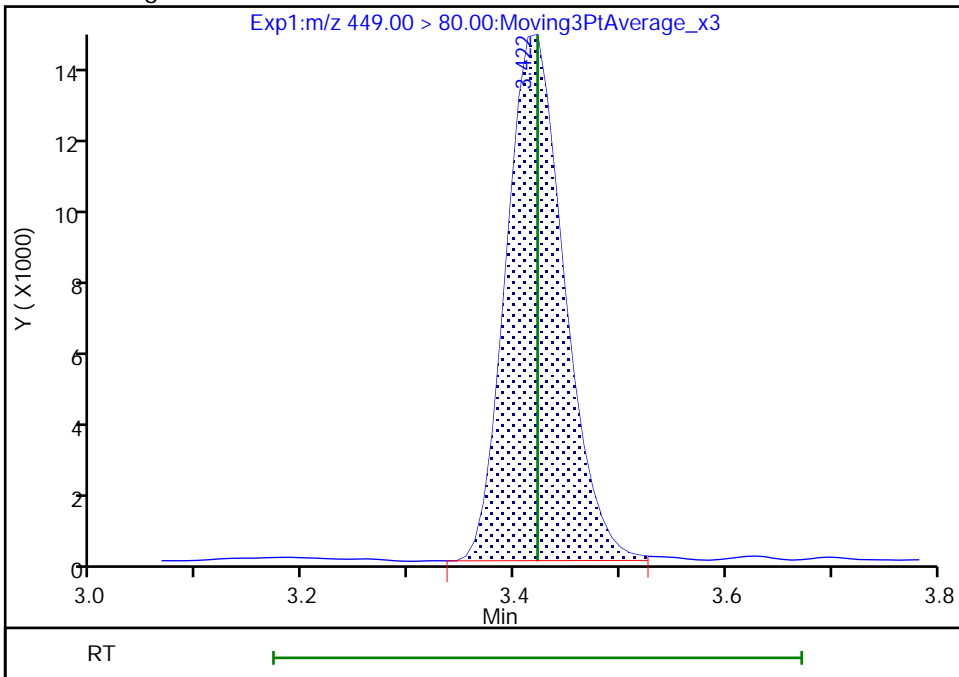
RT: 3.42
Area: 55487
Amount: 0.050459
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 55933
Amount: 0.050864
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:34:21
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

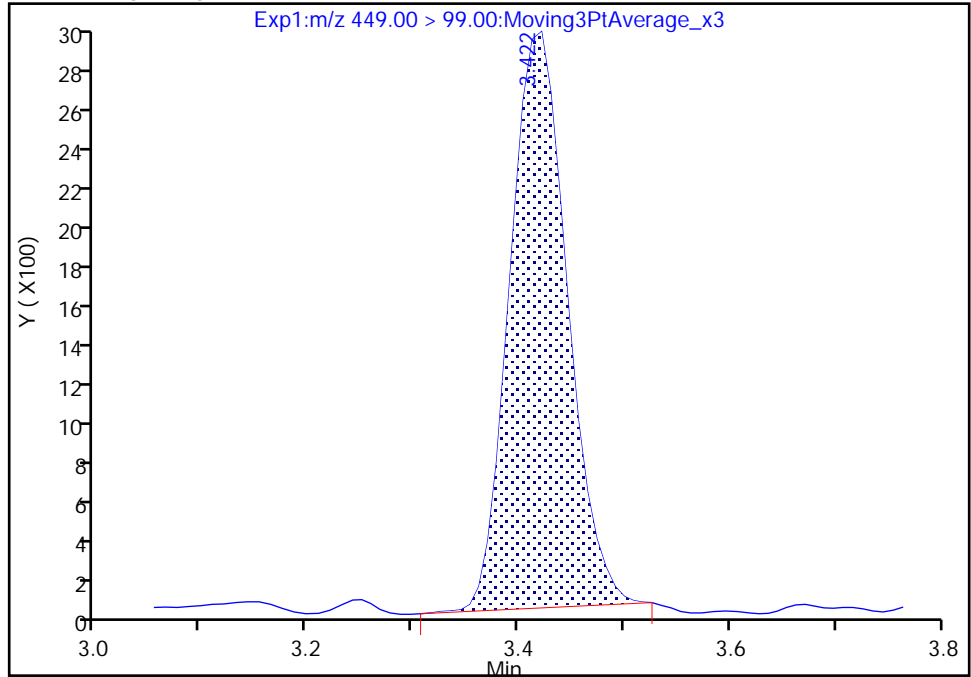
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A05.d
Injection Date: 02-Sep-2022 12:45:13 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

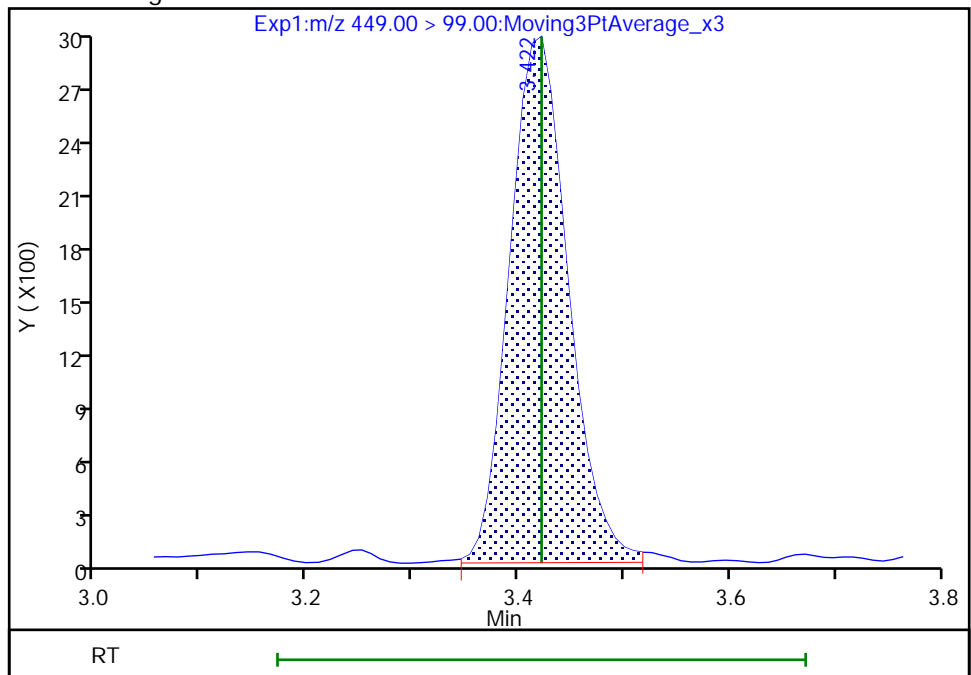
RT: 3.42
Area: 11167
Amount: 0.050459
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 11489
Amount: 0.050864
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:34:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

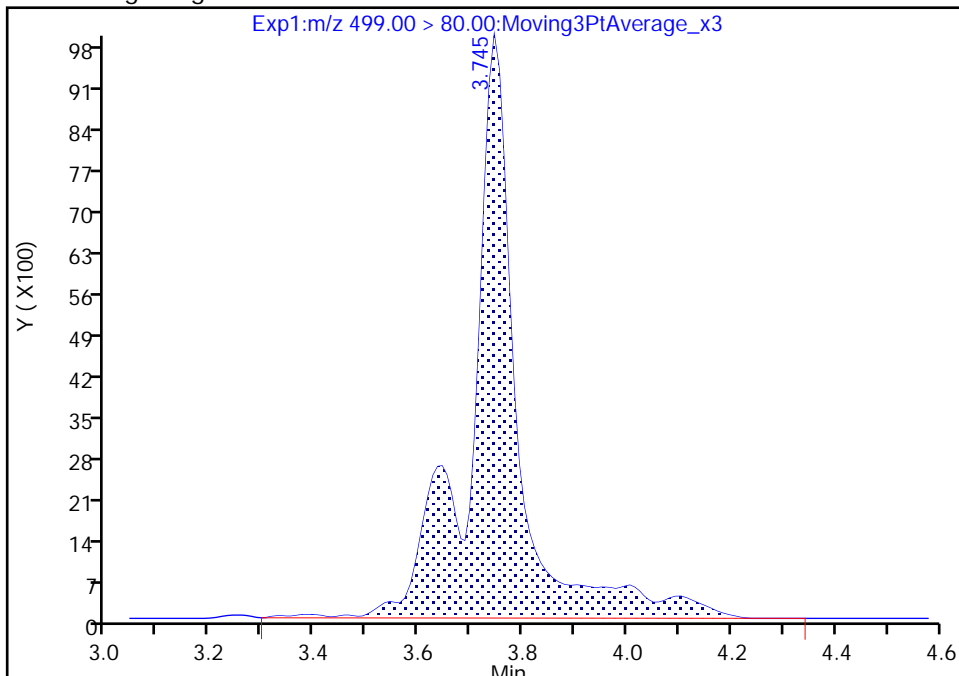
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A05.d
Injection Date: 02-Sep-2022 12:45:13 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

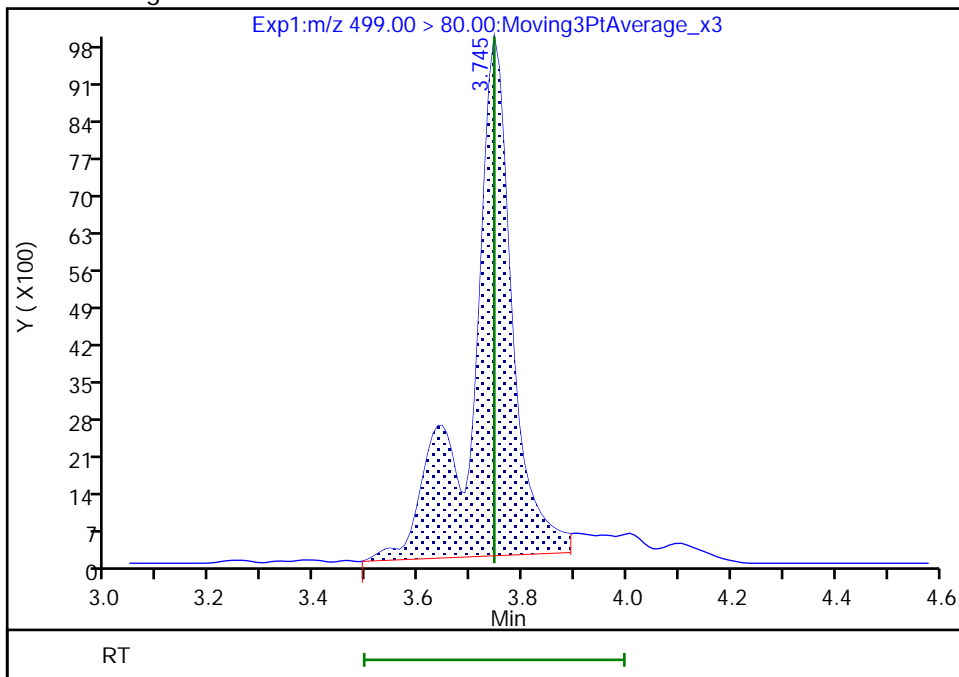
RT: 3.74
Area: 63521
Amount: 0.053288
Amount Units: ng/ml

Processing Integration Results



RT: 3.74
Area: 53413
Amount: 0.041869
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:35:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

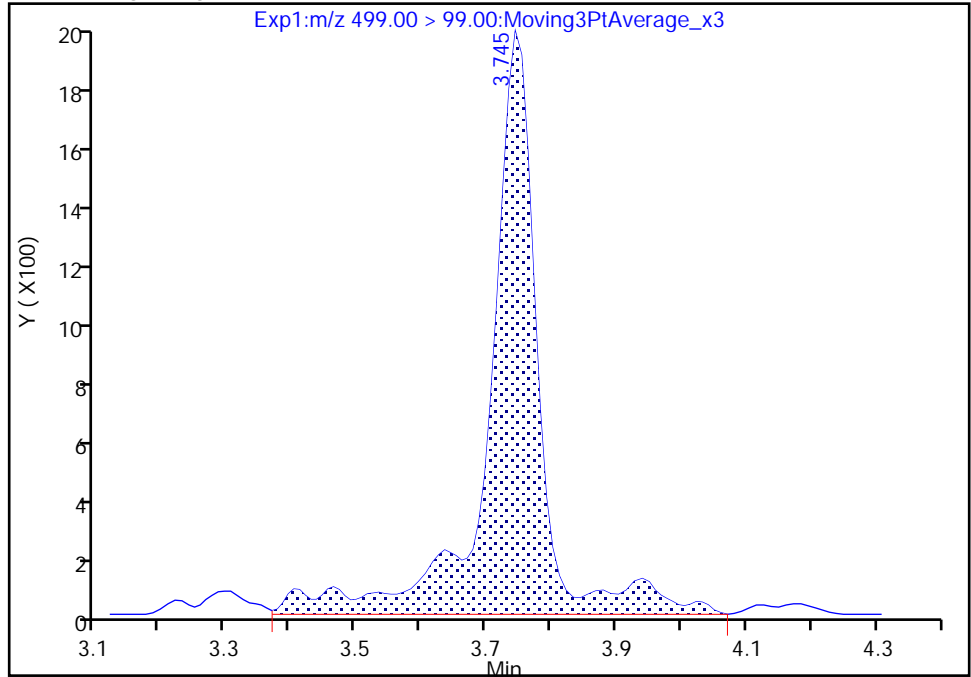
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A05.d
Injection Date: 02-Sep-2022 12:45:13 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

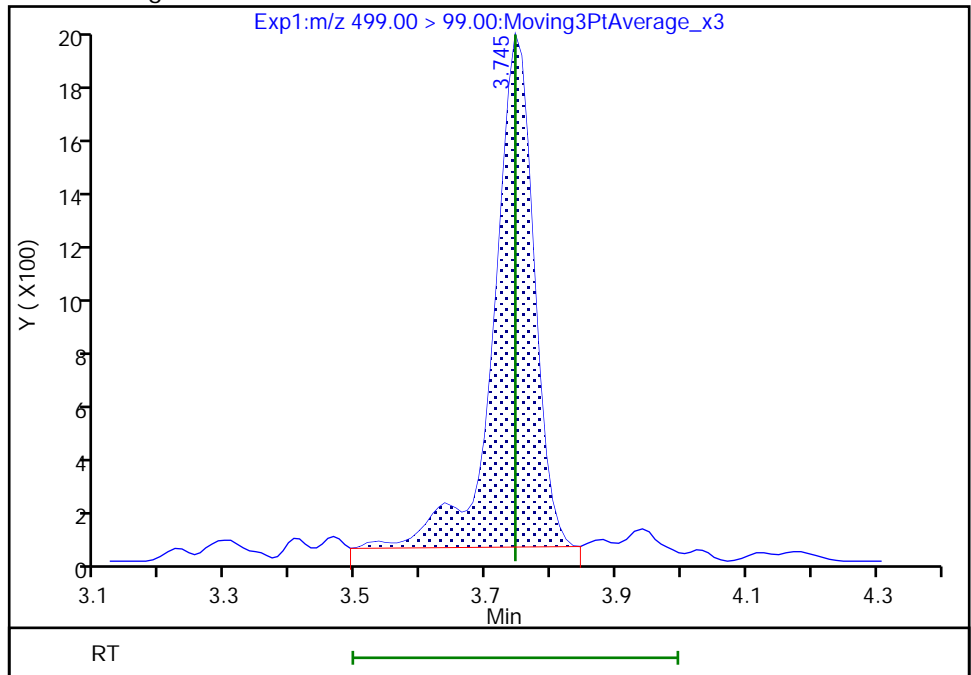
RT: 3.74
Area: 10479
Amount: 0.053288
Amount Units: ng/ml

Processing Integration Results



RT: 3.74
Area: 8154
Amount: 0.041869
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:35:13

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

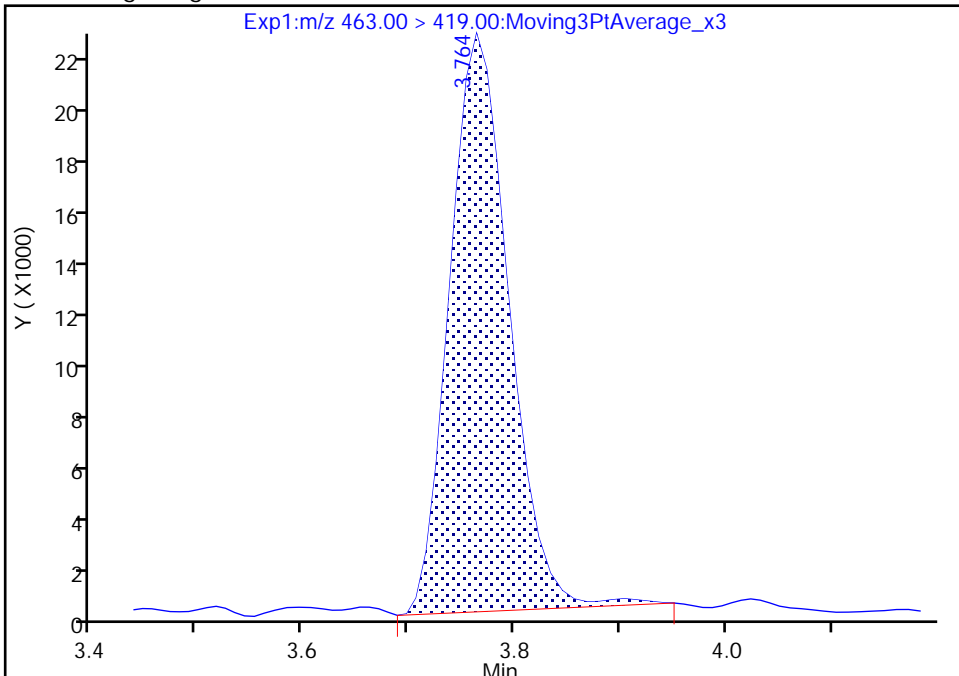
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A05.d
Injection Date: 02-Sep-2022 12:45:13 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

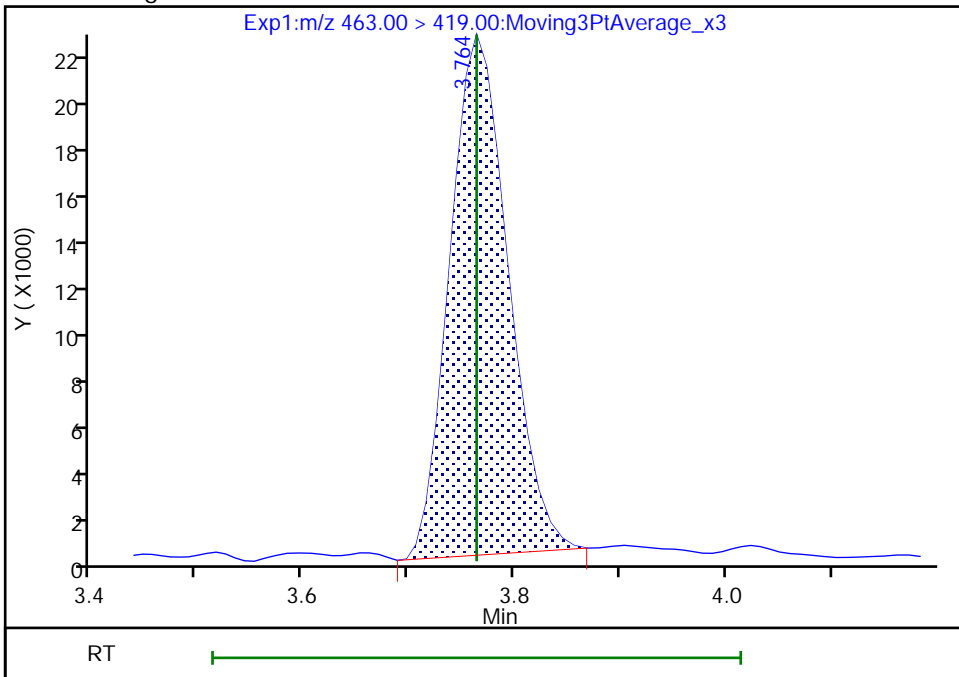
RT: 3.76
Area: 82155
Amount: 0.052821
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 80422
Amount: 0.051707
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:35:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

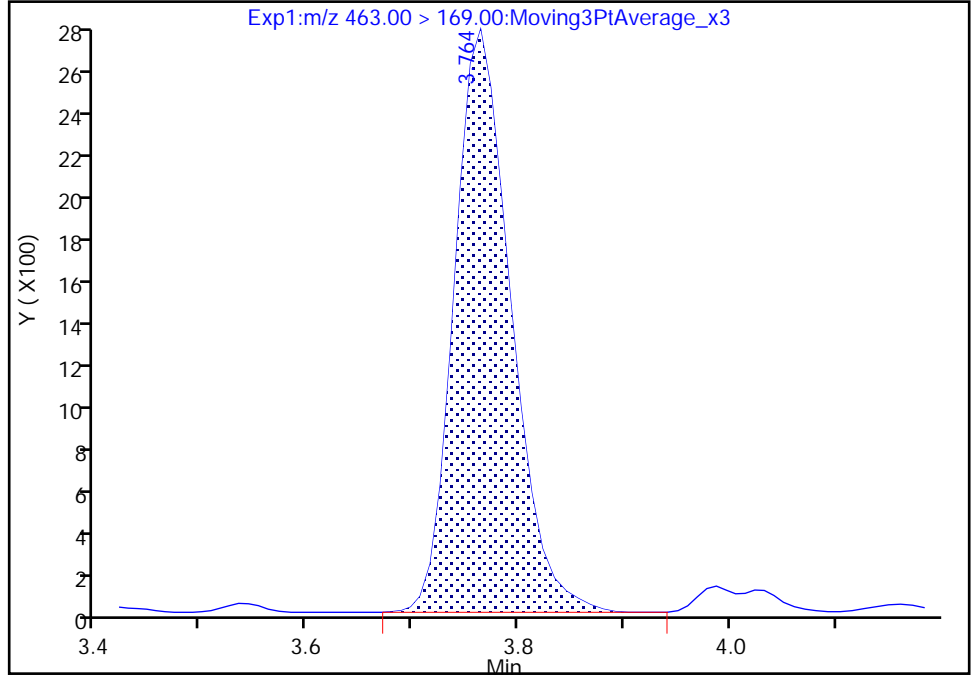
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A05.d
Injection Date: 02-Sep-2022 12:45:13 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

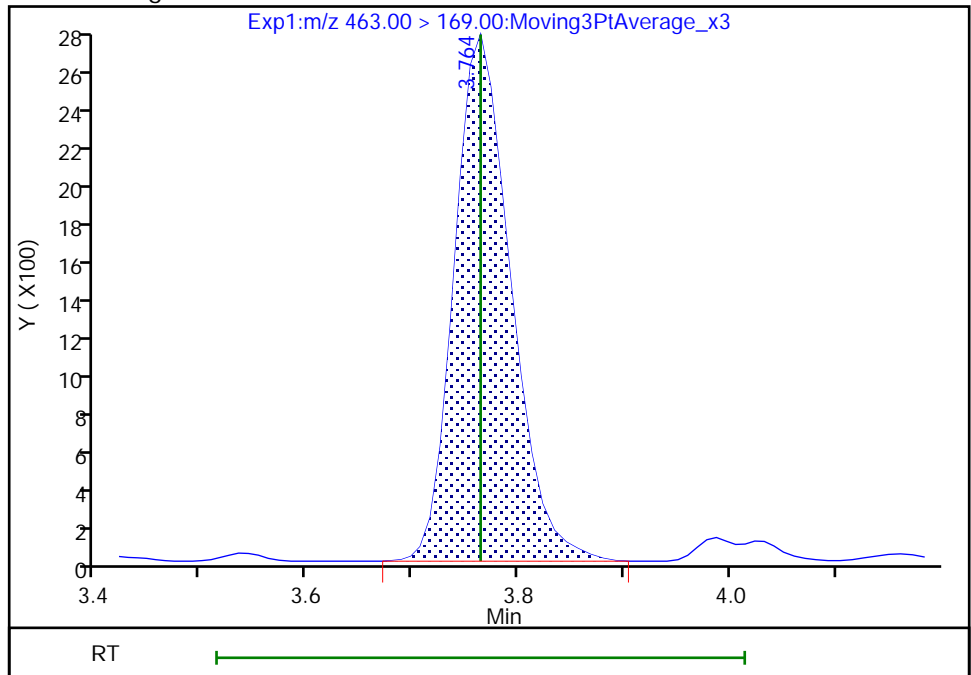
RT: 3.76
Area: 10402
Amount: 0.052821
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 10402
Amount: 0.051707
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:35:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

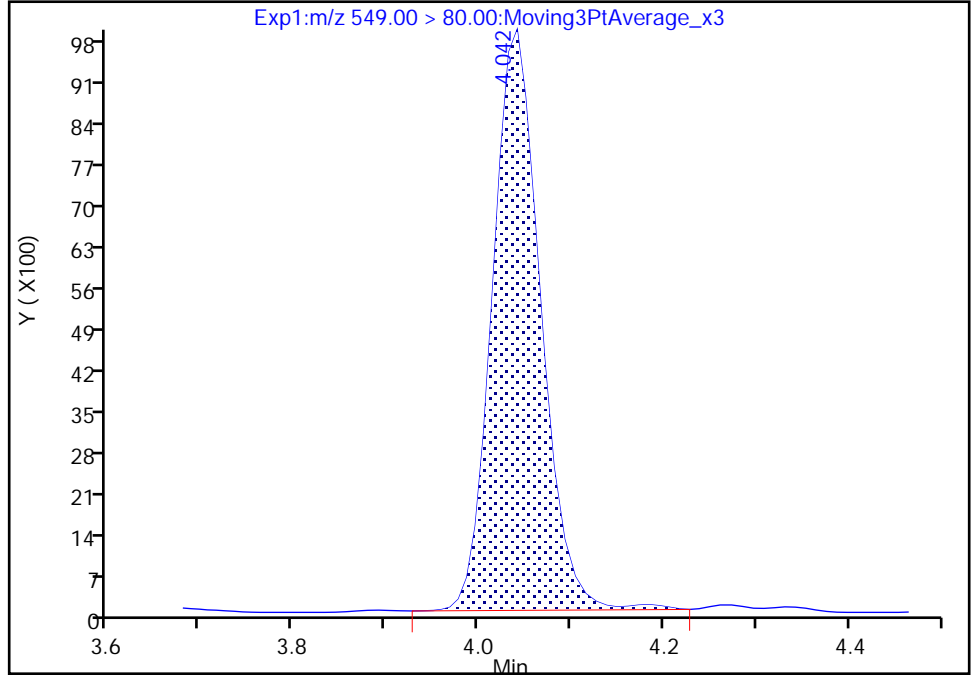
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A05.d
Injection Date: 02-Sep-2022 12:45:13 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 1

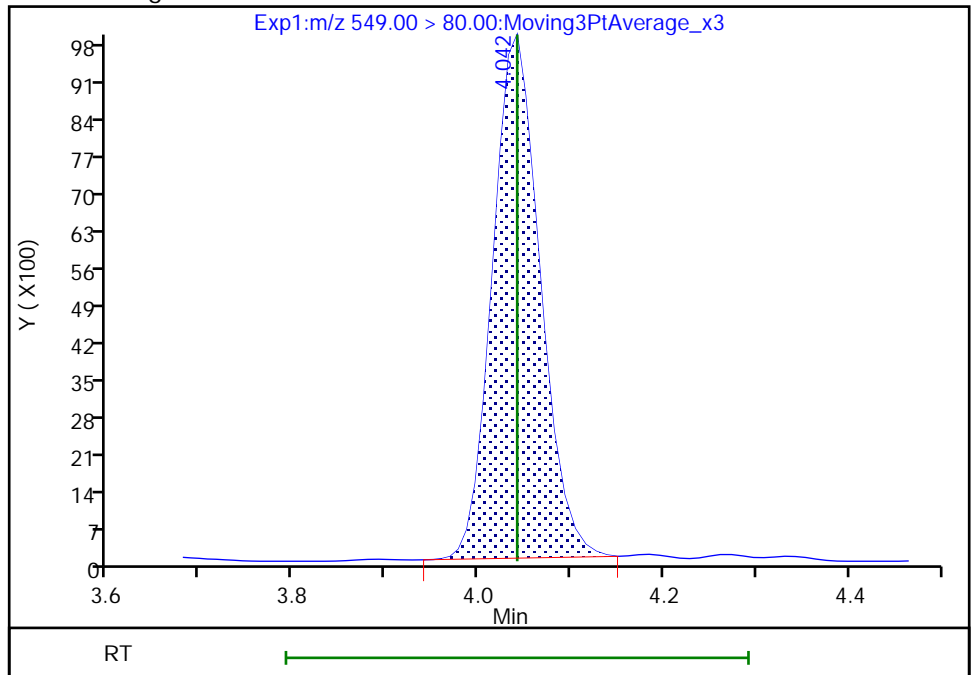
RT: 4.04
Area: 35732
Amount: 0.051295
Amount Units: ng/ml

Processing Integration Results



RT: 4.04
Area: 35171
Amount: 0.050490
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:35:39
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

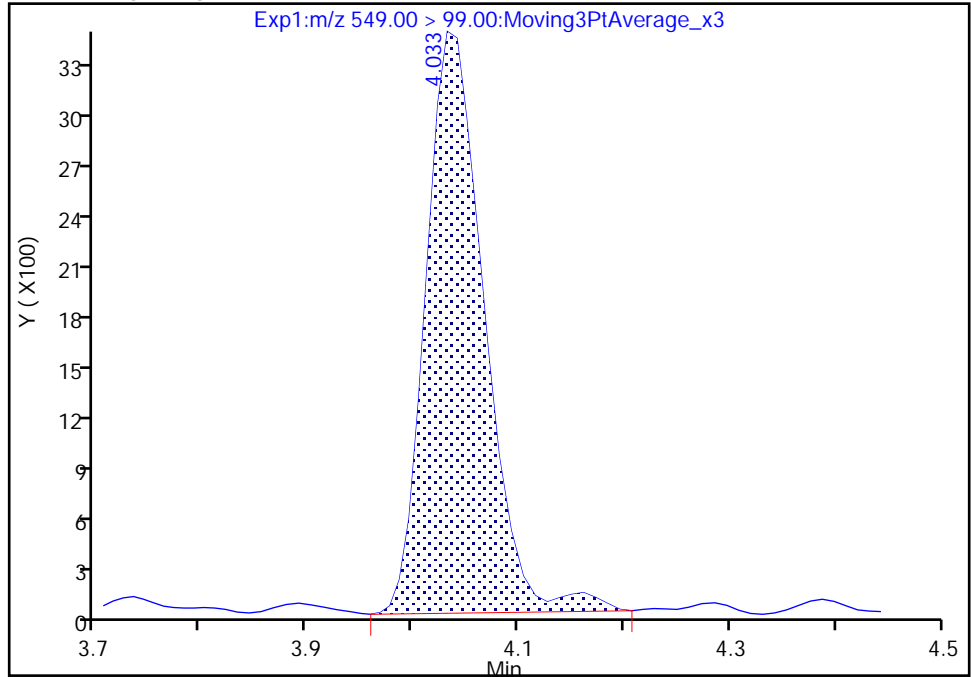
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A05.d
Injection Date: 02-Sep-2022 12:45:13 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 2

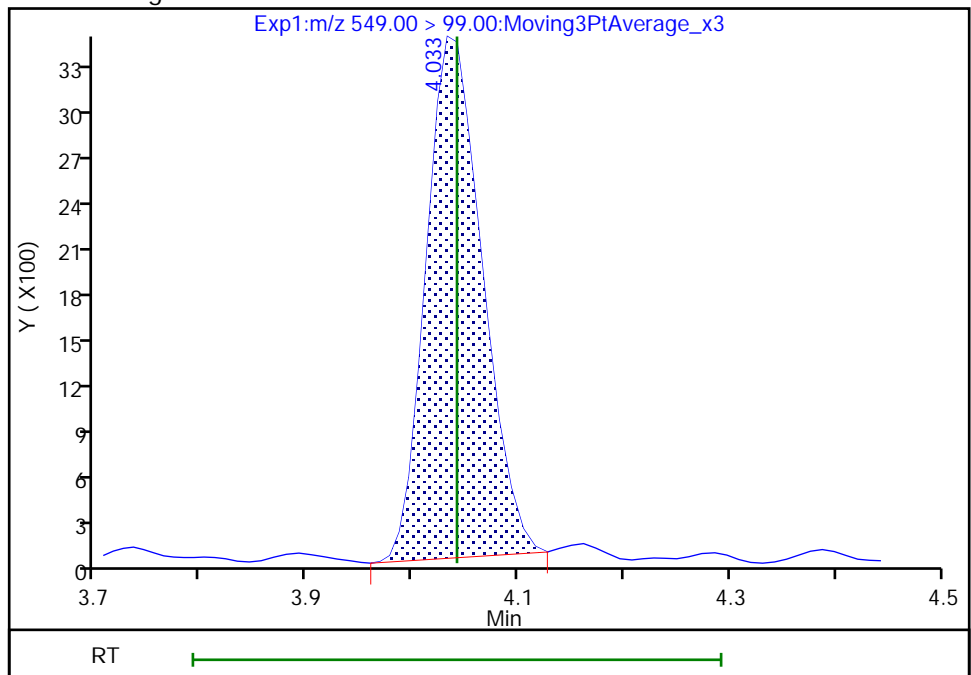
RT: 4.03
Area: 13179
Amount: 0.051295
Amount Units: ng/ml

Processing Integration Results



RT: 4.03
Area: 12571
Amount: 0.050490
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:35:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

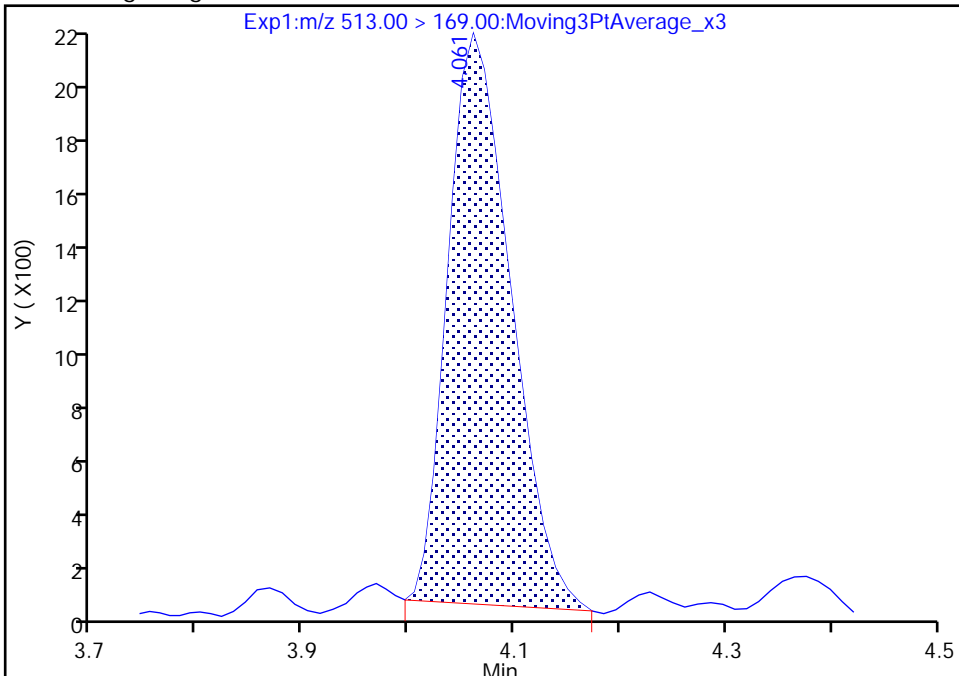
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A05.d
Injection Date: 02-Sep-2022 12:45:13 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

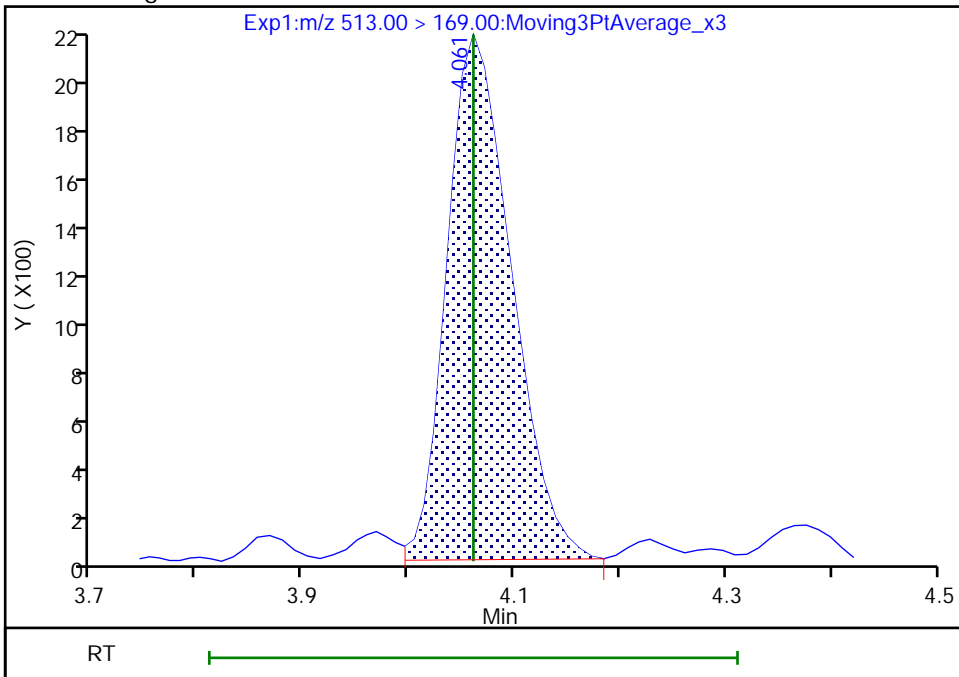
RT: 4.06
Area: 8627
Amount: 0.046088
Amount Units: ng/ml

Processing Integration Results



RT: 4.06
Area: 8982
Amount: 0.046088
Amount Units: ng/ml

Manual Integration Results



Reviewer: SJ4N, 06-Sep-2022 11:11:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

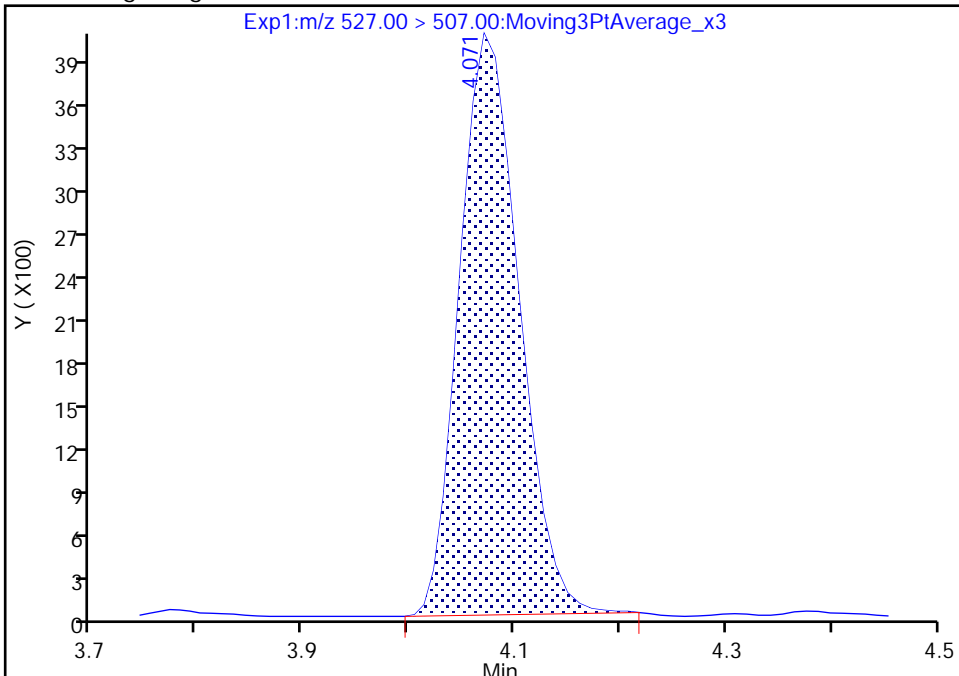
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A05.d
Injection Date: 02-Sep-2022 12:45:13 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

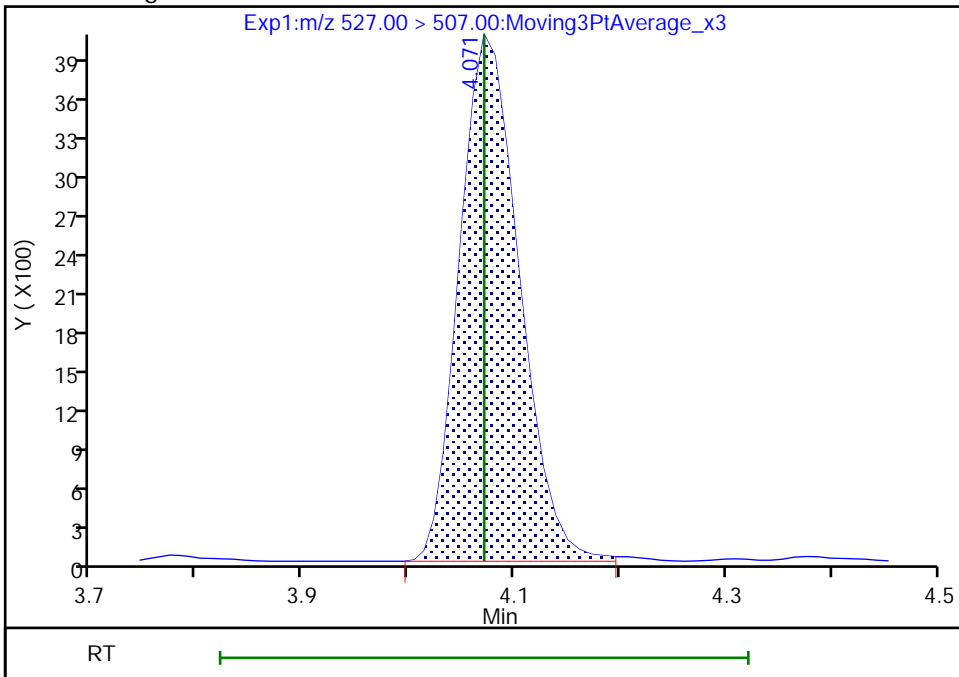
RT: 4.07
Area: 16005
Amount: 0.060080
Amount Units: ng/ml

Processing Integration Results



RT: 4.07
Area: 16141
Amount: 0.060590
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:35:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

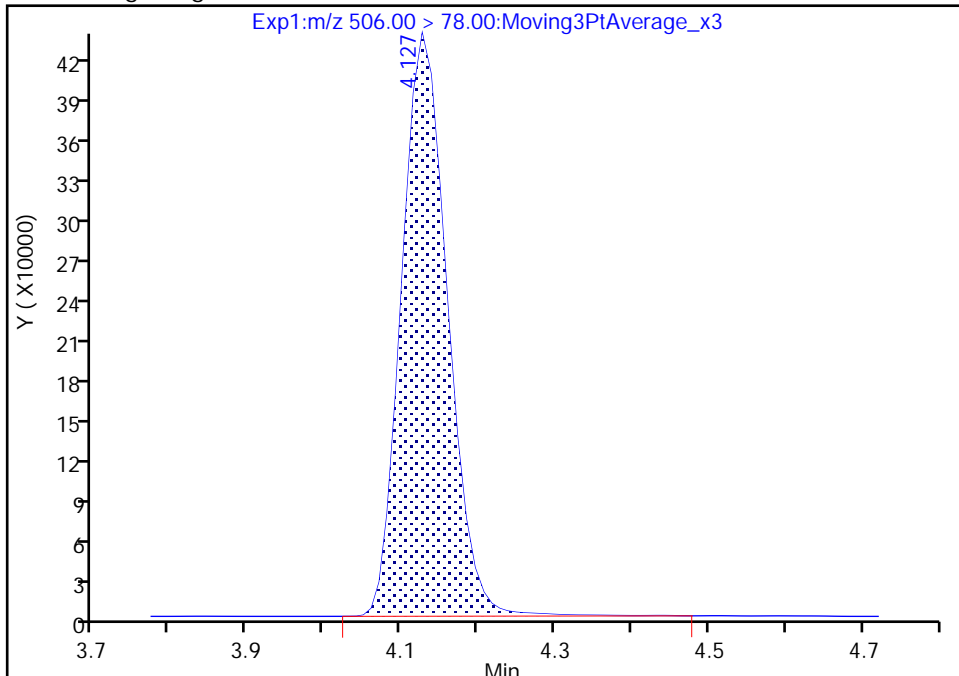
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A05.d
Injection Date: 02-Sep-2022 12:45:13 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

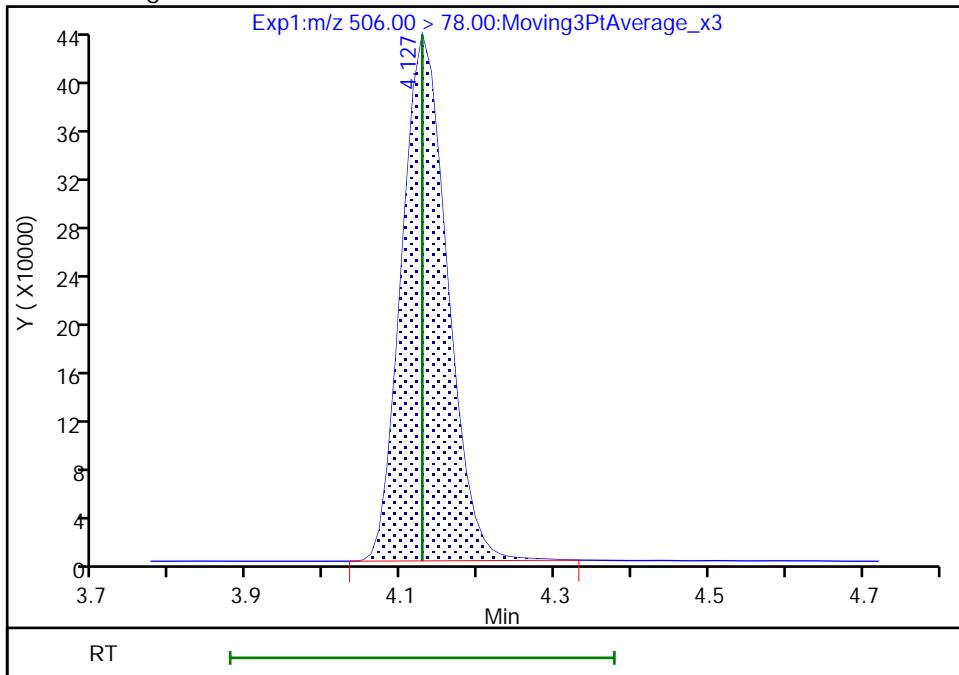
RT: 4.13
Area: 1786644
Amount: 1.349973
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 1778383
Amount: 1.343731
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:31:37
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

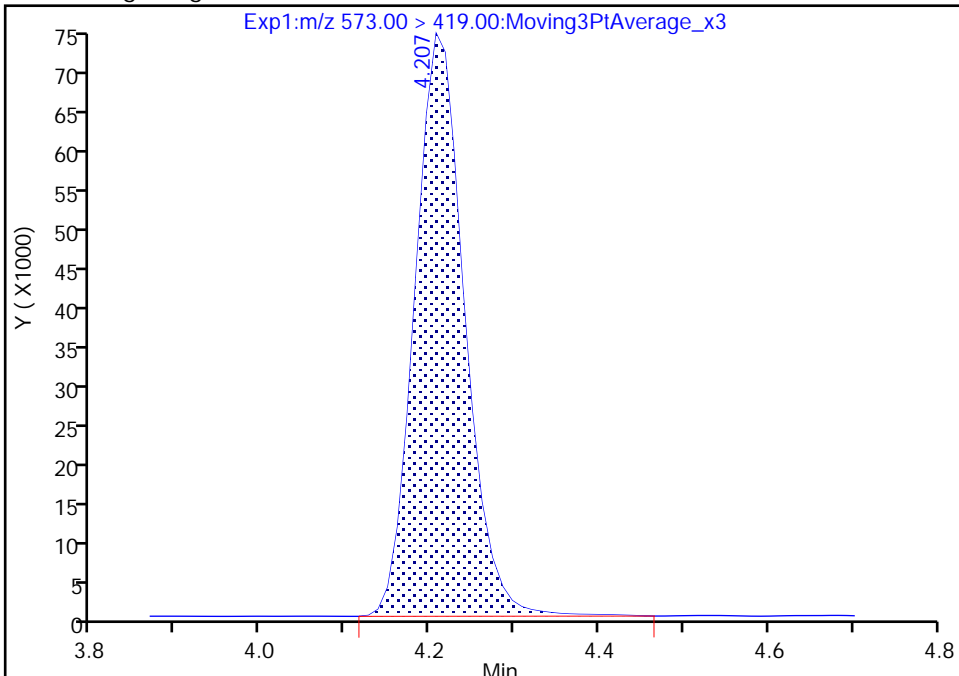
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A05.d
Injection Date: 02-Sep-2022 12:45:13 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

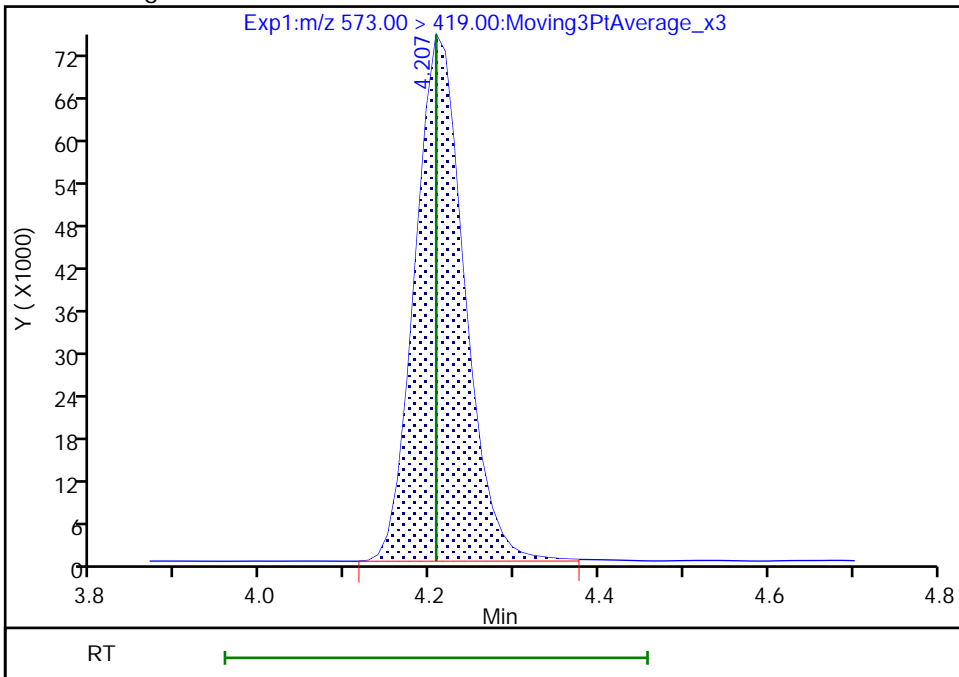
RT: 4.21
Area: 302822
Amount: 1.494125
Amount Units: ng/ml

Processing Integration Results



RT: 4.21
Area: 302187
Amount: 1.490992
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:31:44
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

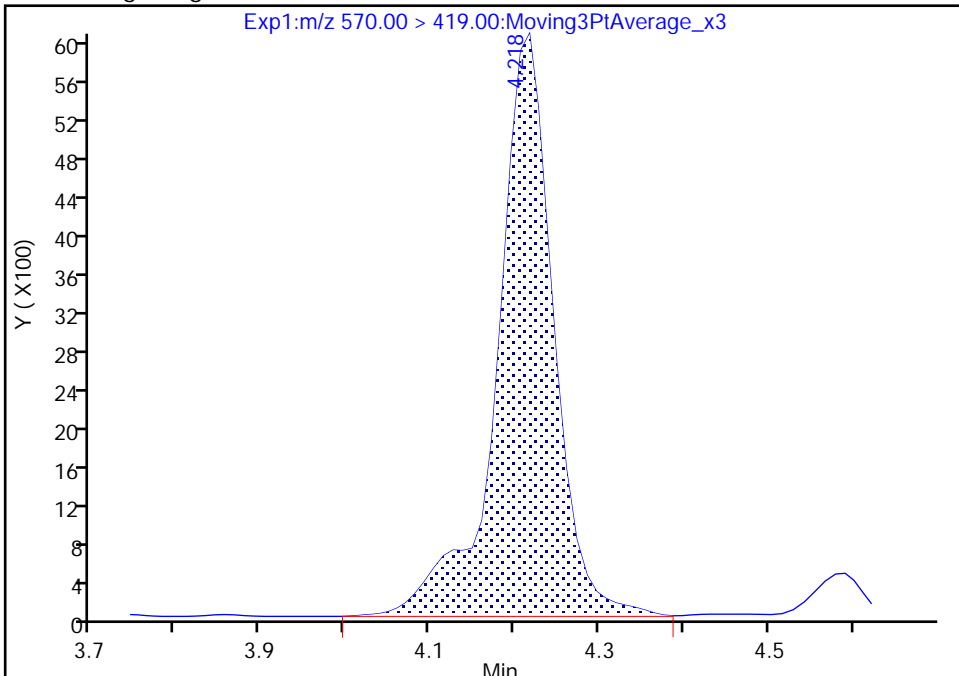
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A05.d
Injection Date: 02-Sep-2022 12:45:13 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

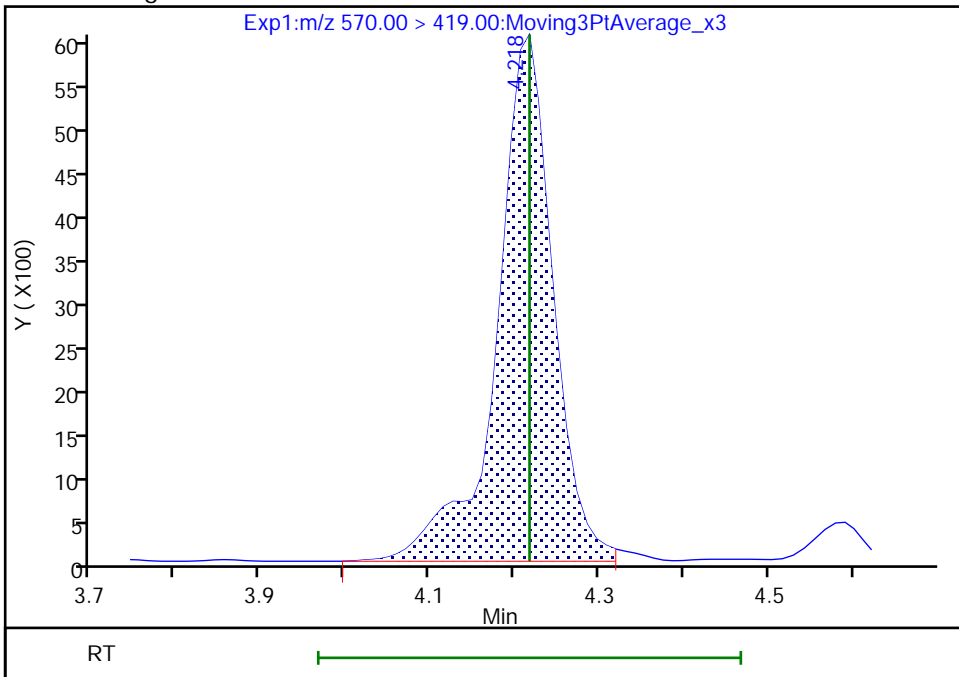
RT: 4.22
Area: 28339
Amount: 0.131993
Amount Units: ng/ml

Processing Integration Results



RT: 4.22
Area: 28067
Amount: 0.130726
Amount Units: ng/ml

Manual Integration Results



Reviewer: SJ4N, 06-Sep-2022 11:11:37
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

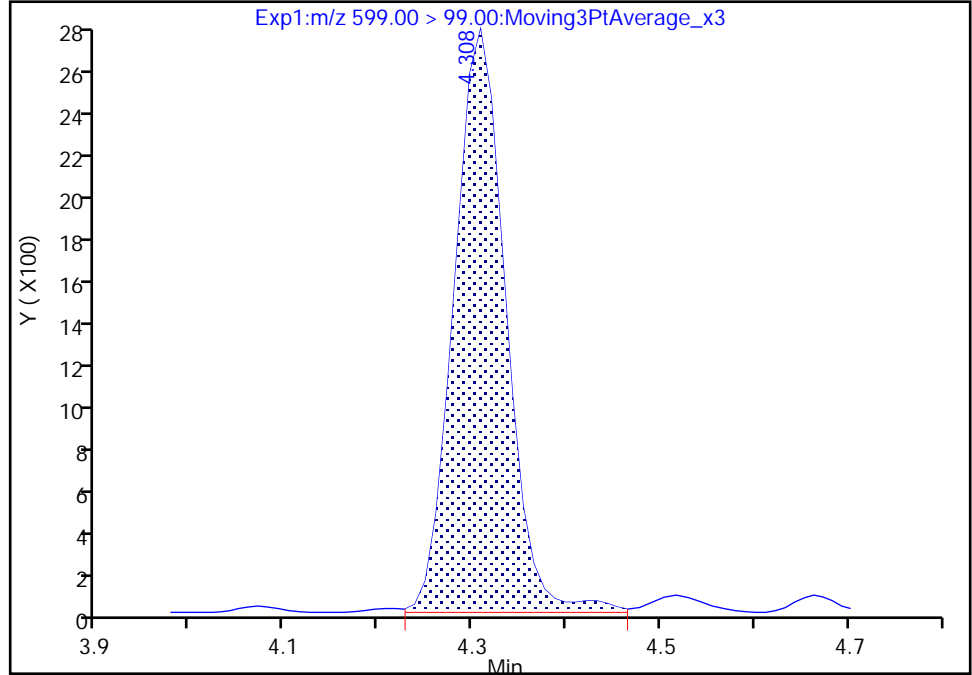
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A05.d
Injection Date: 02-Sep-2022 12:45:13 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

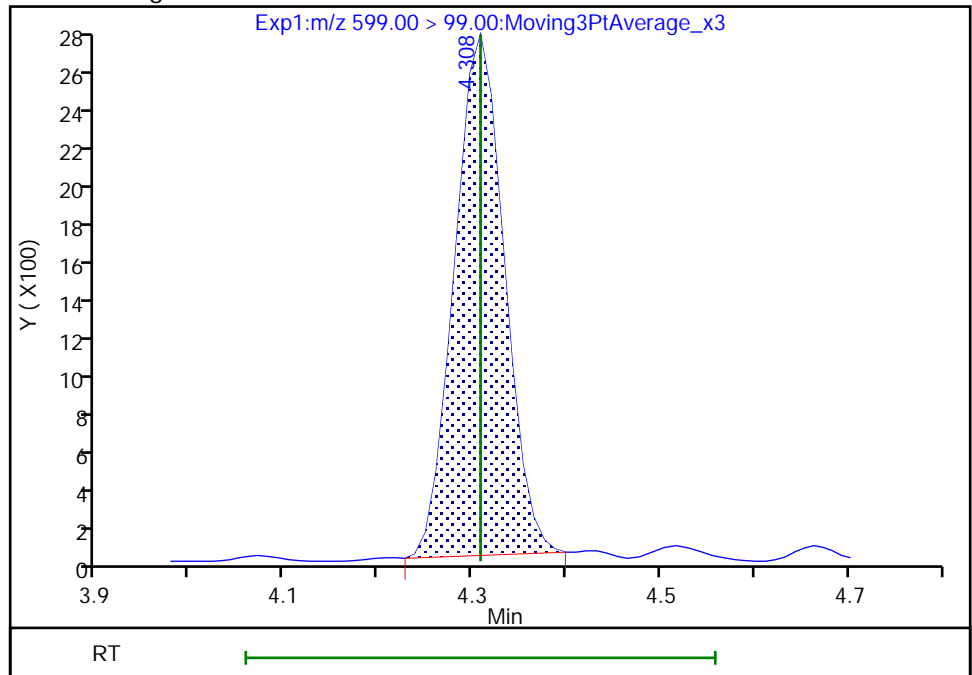
RT: 4.31
Area: 10426
Amount: 0.054677
Amount Units: ng/ml

Processing Integration Results



RT: 4.31
Area: 9940
Amount: 0.054677
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:36:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

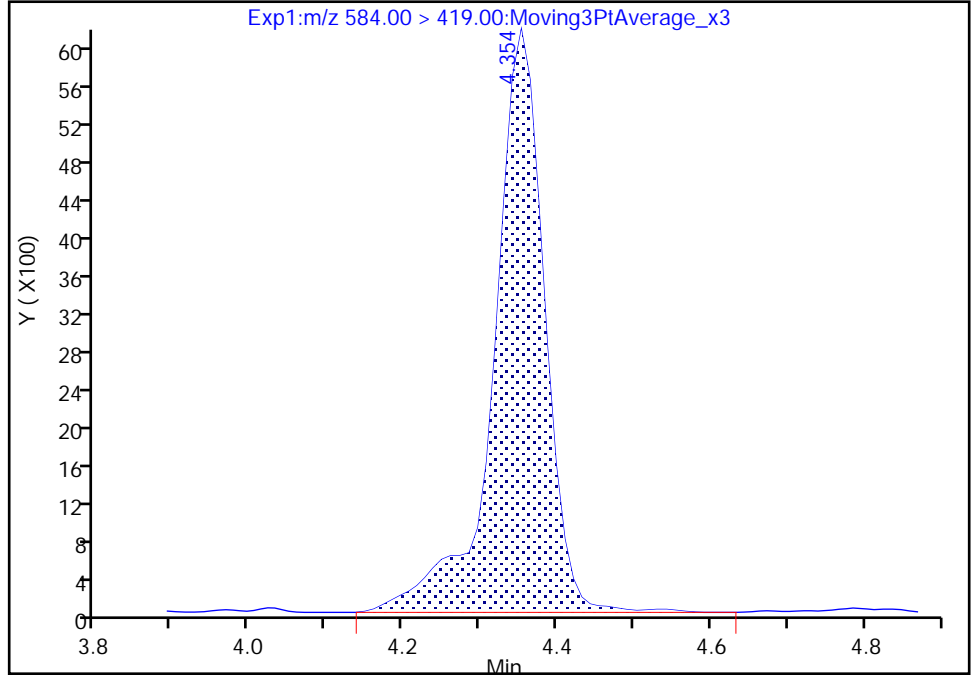
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A05.d
Injection Date: 02-Sep-2022 12:45:13 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

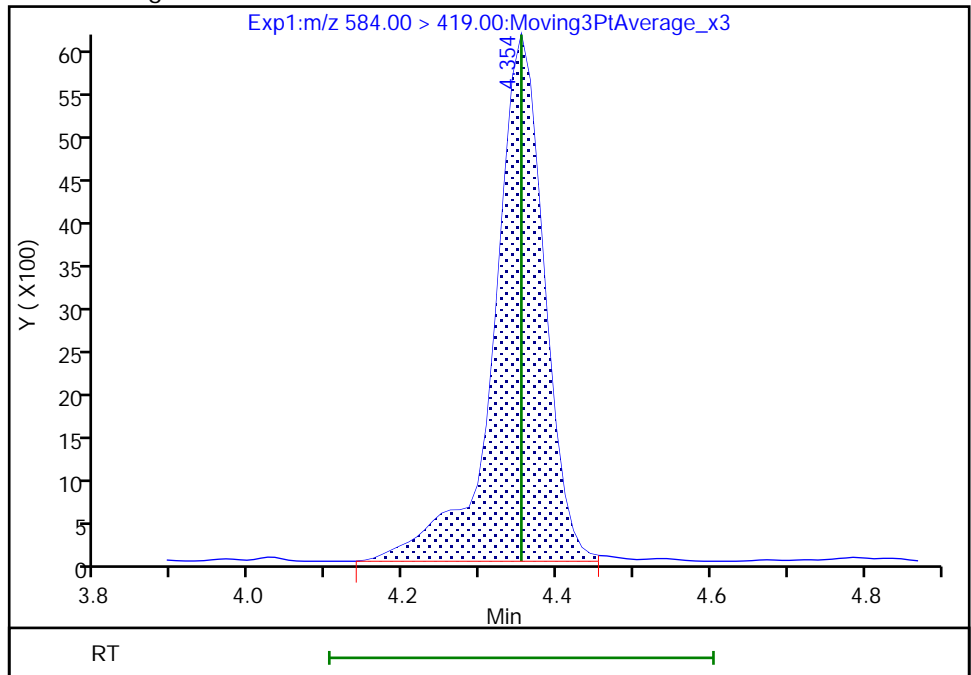
RT: 4.35
Area: 28298
Amount: 0.123515
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 28067
Amount: 0.122507
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:36:32
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

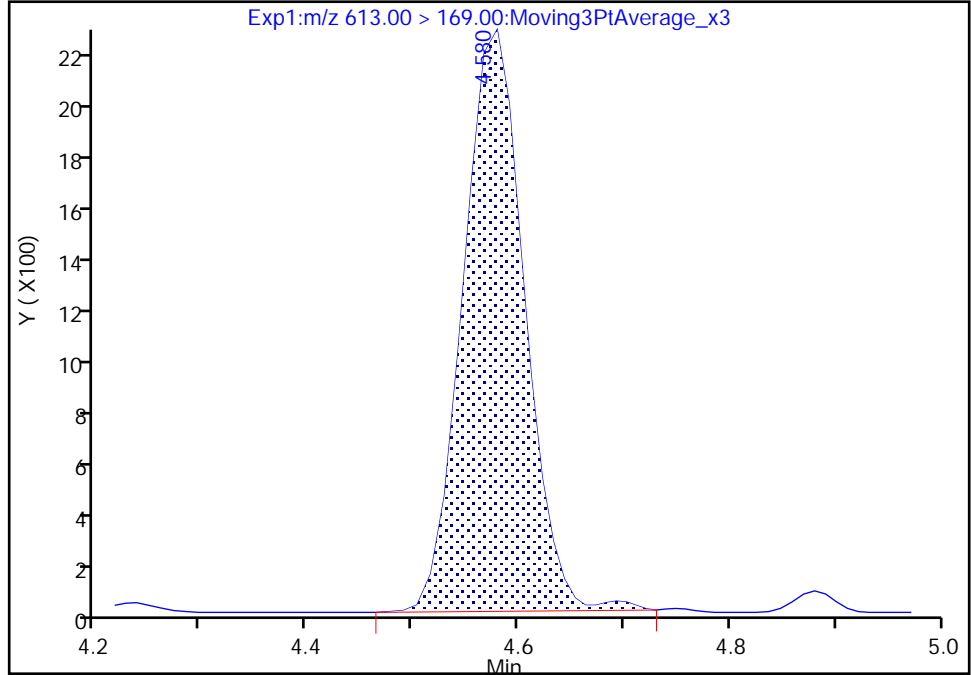
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A05.d
Injection Date: 02-Sep-2022 12:45:13 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

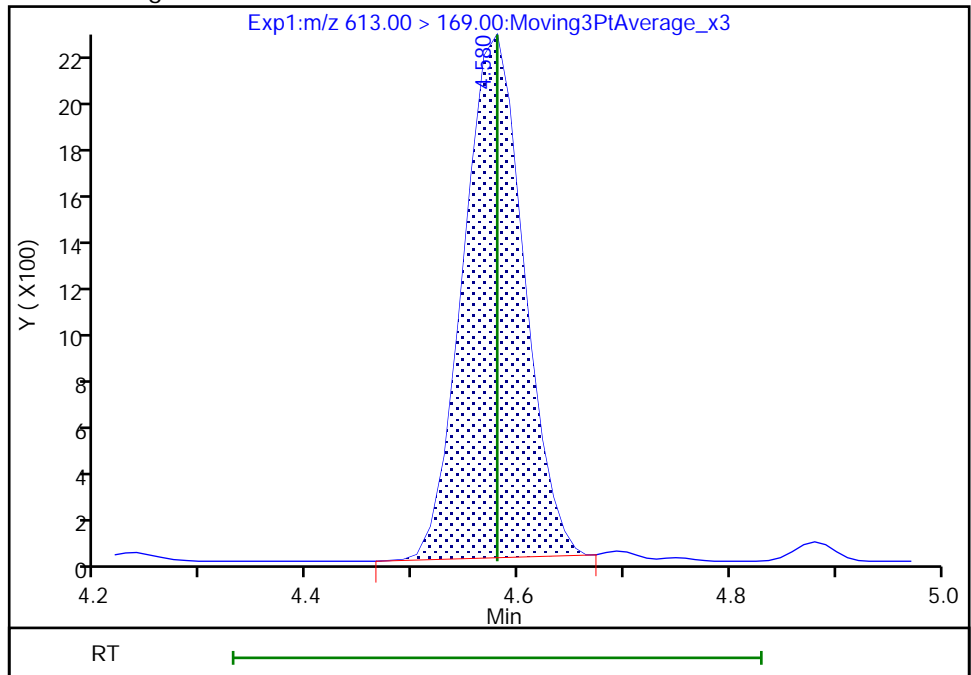
RT: 4.58
Area: 8989
Amount: 0.051031
Amount Units: ng/ml

Processing Integration Results



RT: 4.58
Area: 8790
Amount: 0.051031
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:36:51
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

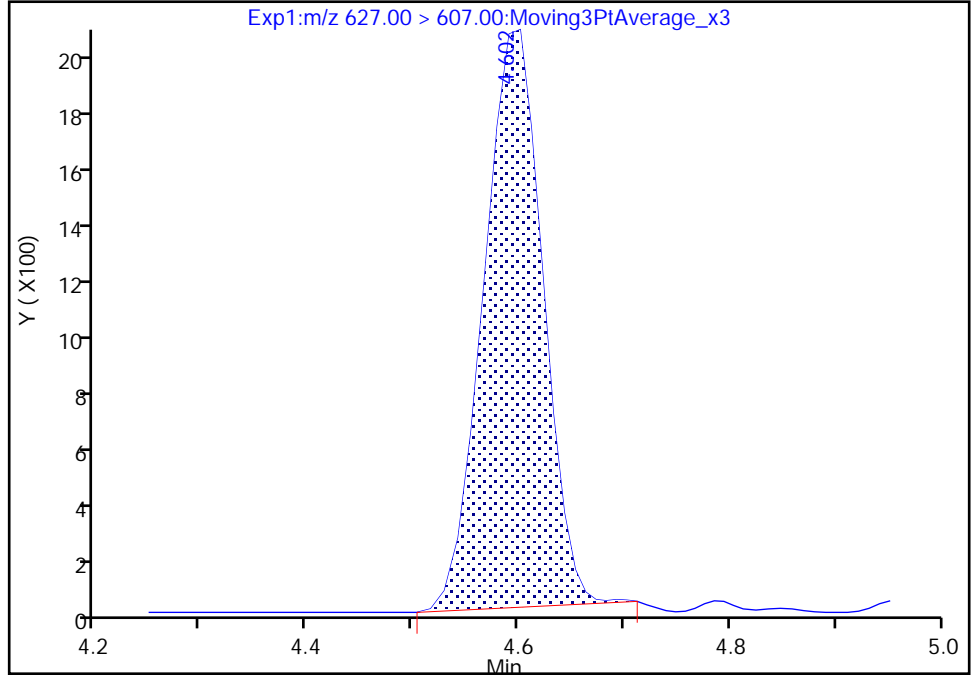
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A05.d
Injection Date: 02-Sep-2022 12:45:13 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

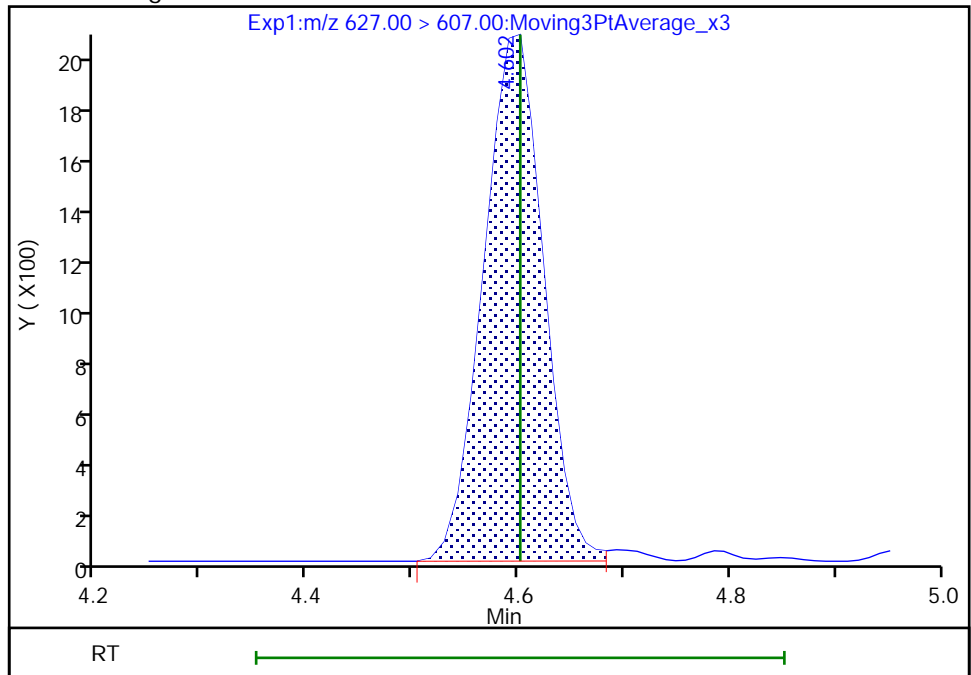
RT: 4.60
Area: 7776
Amount: 0.062481
Amount Units: ng/ml

Processing Integration Results



RT: 4.60
Area: 7934
Amount: 0.063751
Amount Units: ng/ml

Manual Integration Results



Reviewer: SJ4N, 06-Sep-2022 11:11:57
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

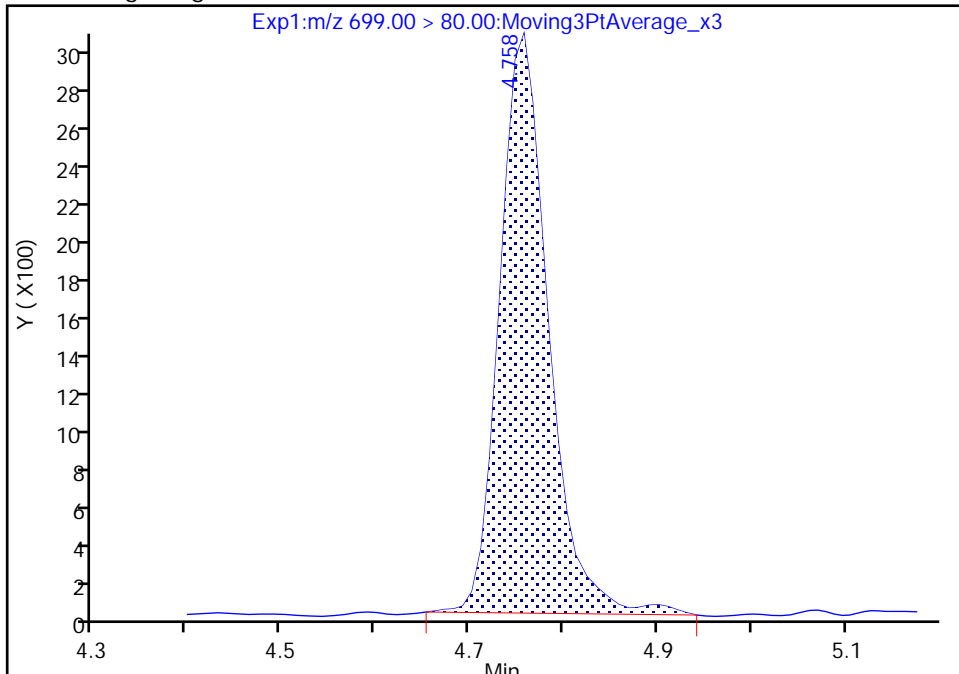
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A05.d
Injection Date: 02-Sep-2022 12:45:13 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

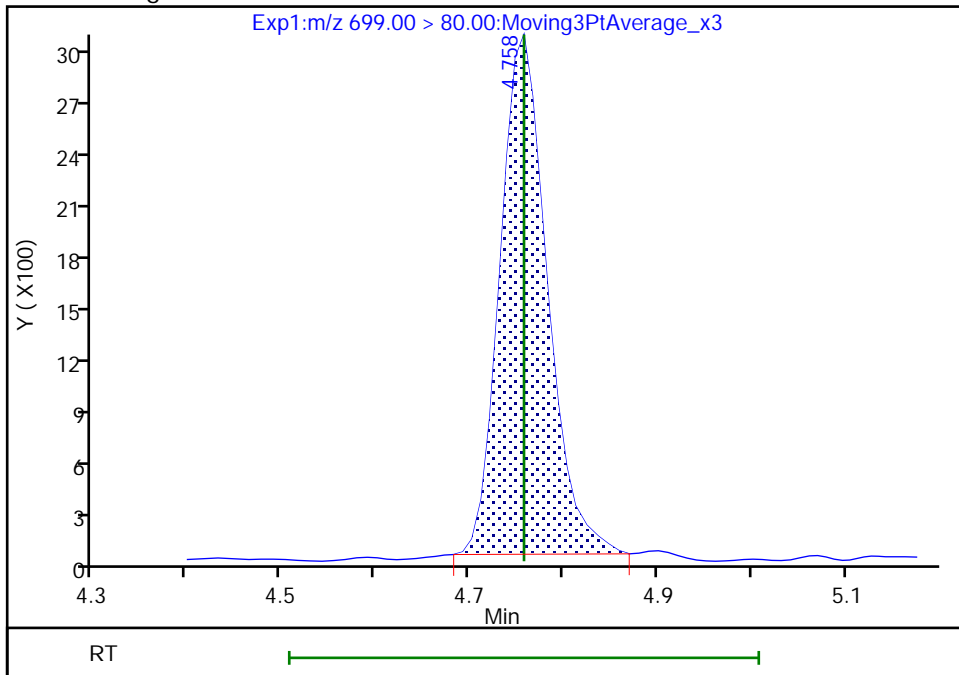
RT: 4.76
Area: 10954
Amount: 0.047593
Amount Units: ng/ml

Processing Integration Results



RT: 4.76
Area: 10516
Amount: 0.045690
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:37:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

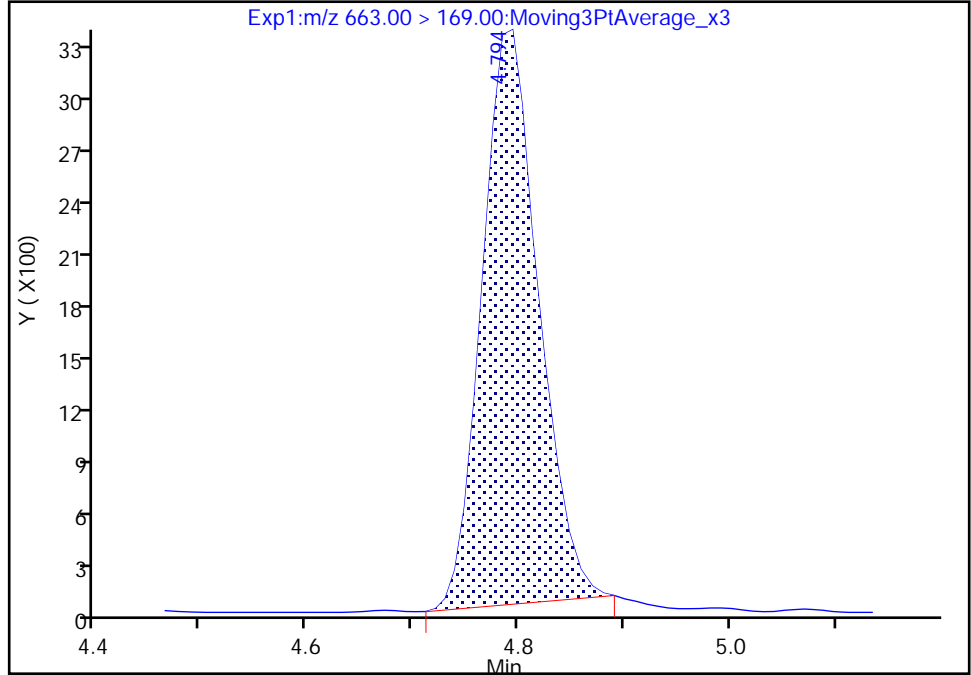
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A05.d
Injection Date: 02-Sep-2022 12:45:13 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

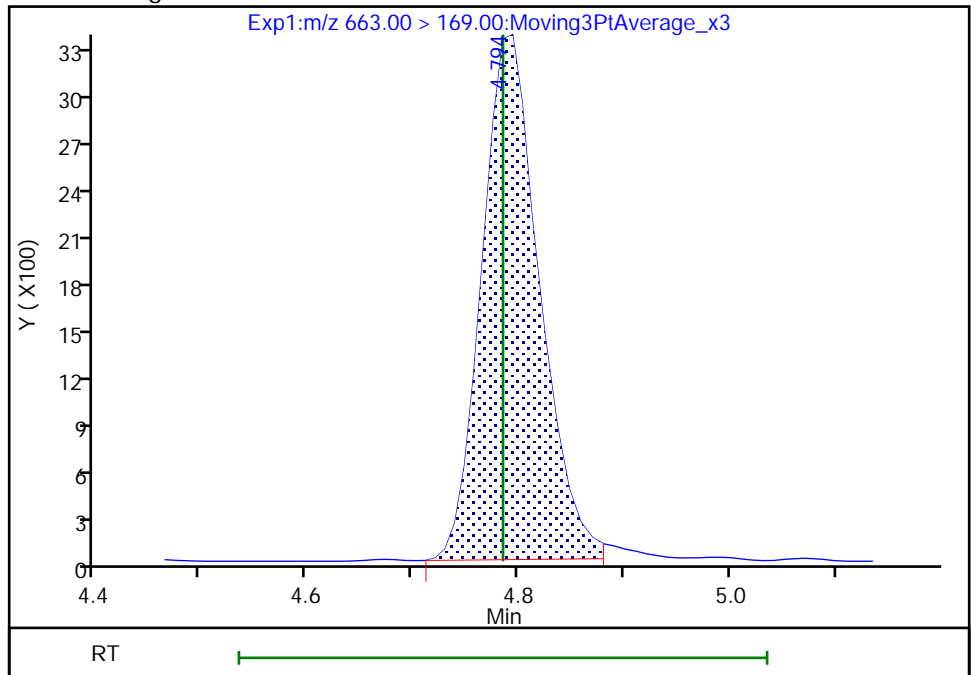
RT: 4.79
Area: 12131
Amount: 0.050796
Amount Units: ng/ml

Processing Integration Results



RT: 4.79
Area: 12496
Amount: 0.052021
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:37:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

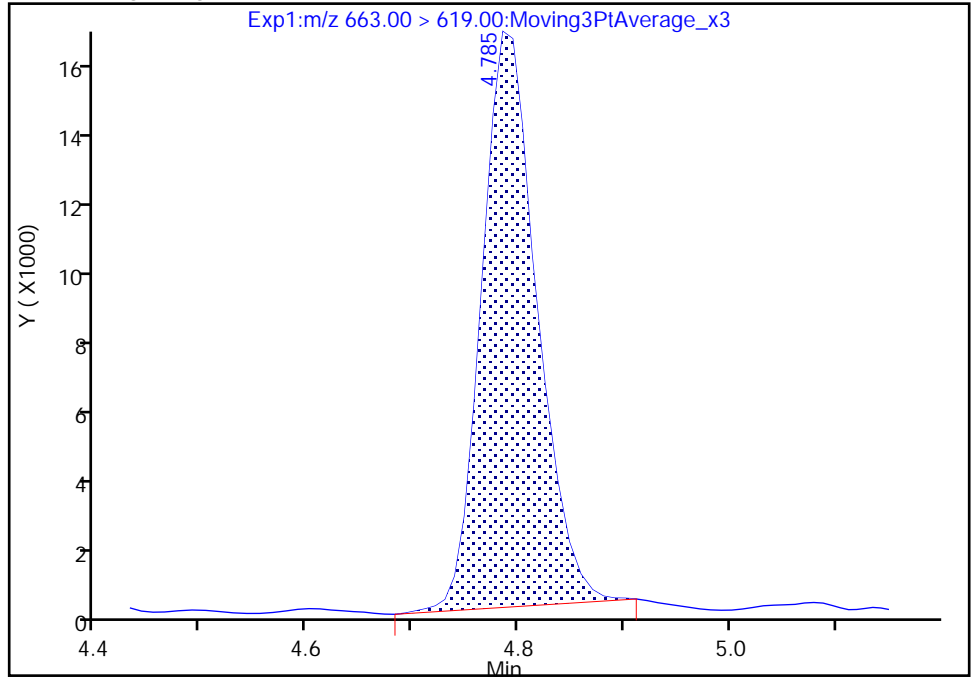
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A05.d
Injection Date: 02-Sep-2022 12:45:13 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

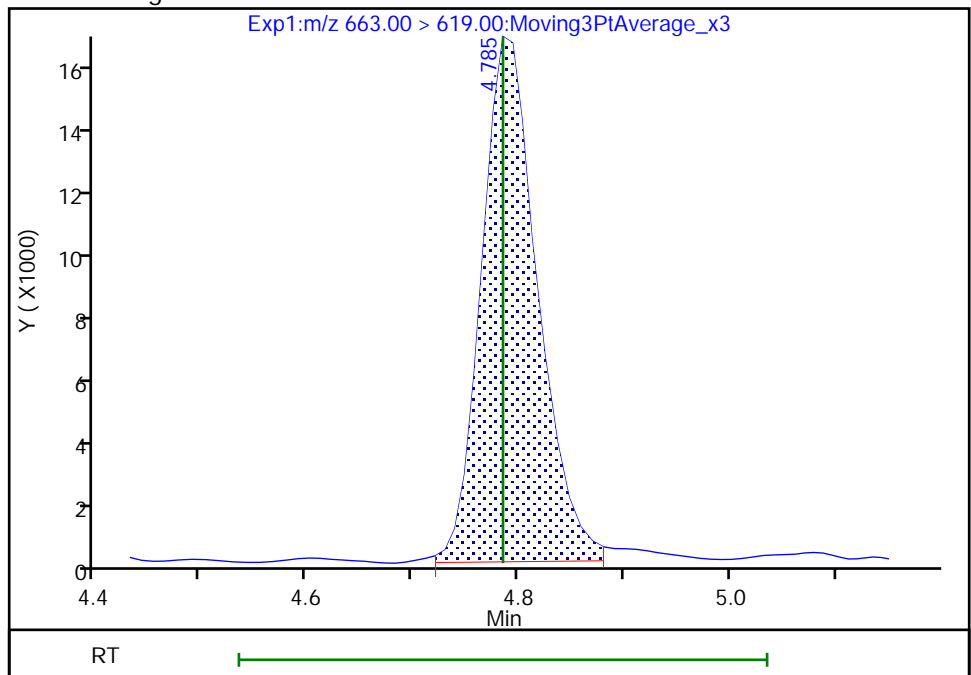
RT: 4.79
Area: 58547
Amount: 0.050796
Amount Units: ng/ml

Processing Integration Results



RT: 4.79
Area: 59959
Amount: 0.052021
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:37:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

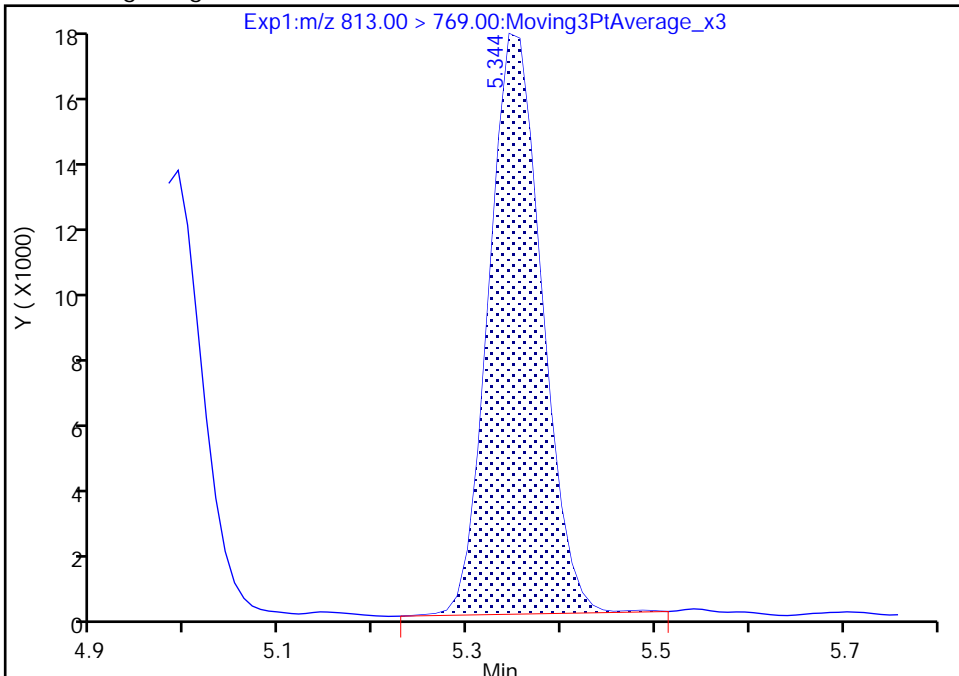
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A05.d
Injection Date: 02-Sep-2022 12:45:13 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

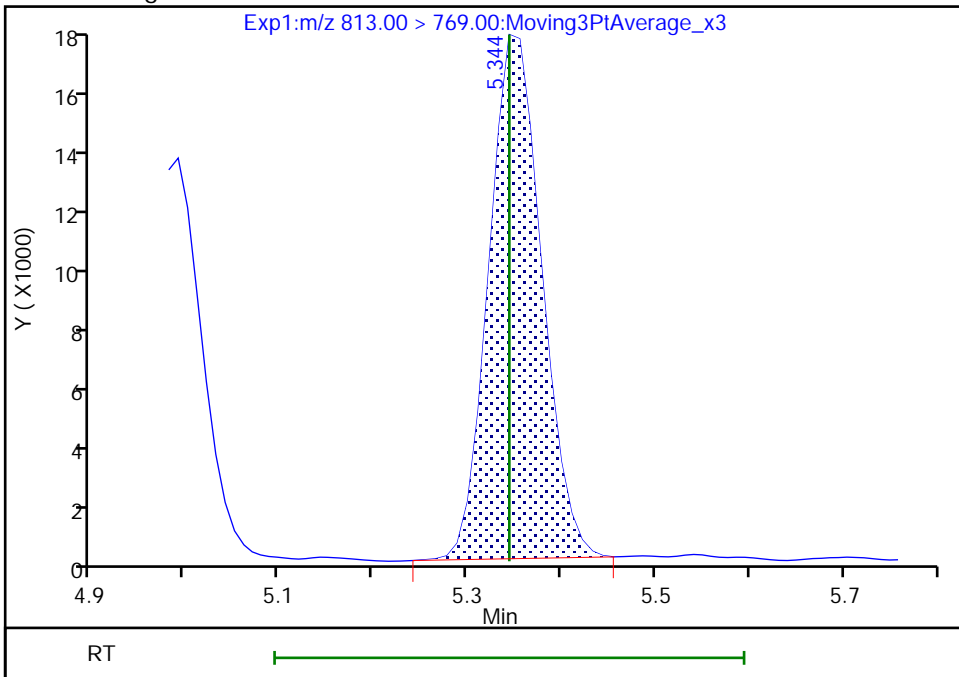
RT: 5.34
Area: 65214
Amount: 0.044759
Amount Units: ng/ml

Processing Integration Results



RT: 5.34
Area: 64862
Amount: 0.044405
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:37:30
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

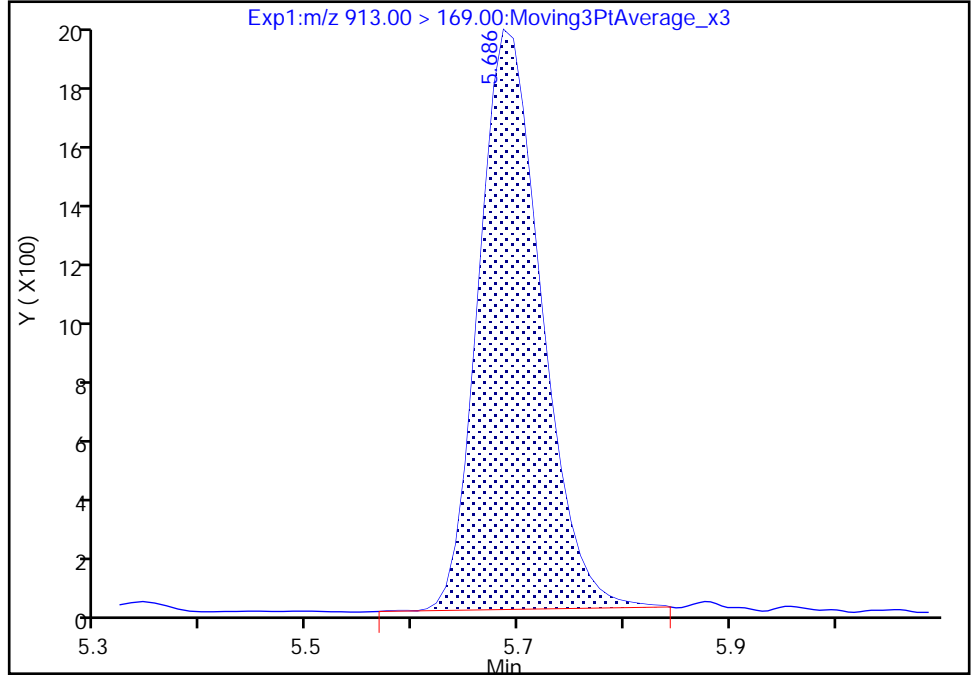
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A05.d
Injection Date: 02-Sep-2022 12:45:13 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

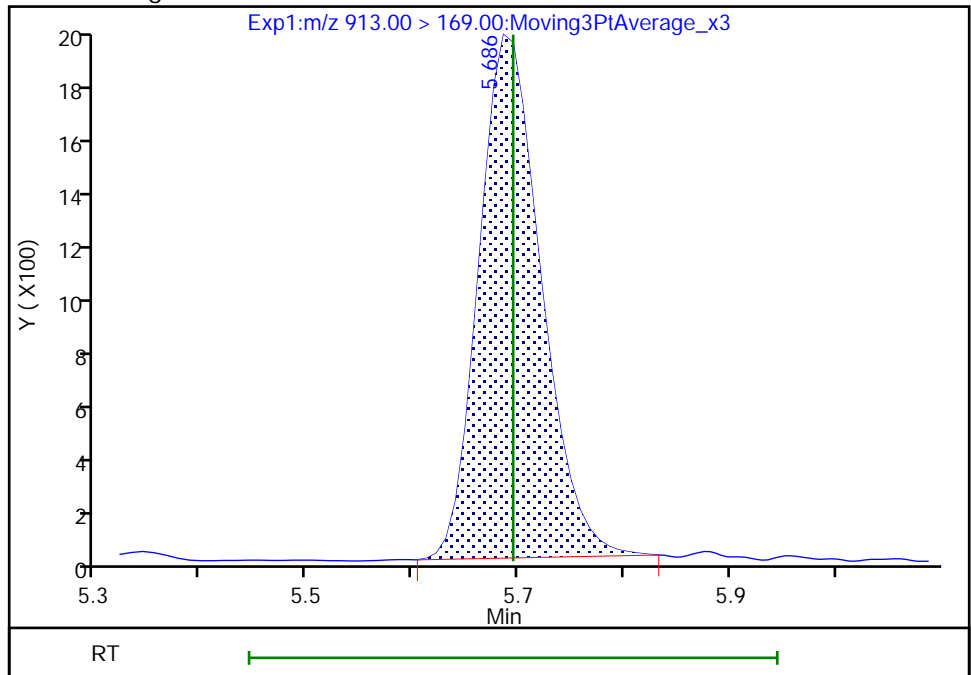
RT: 5.69
Area: 7904
Amount: 0.054990
Amount Units: ng/ml

Processing Integration Results



RT: 5.69
Area: 7860
Amount: 0.054014
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:37:42
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

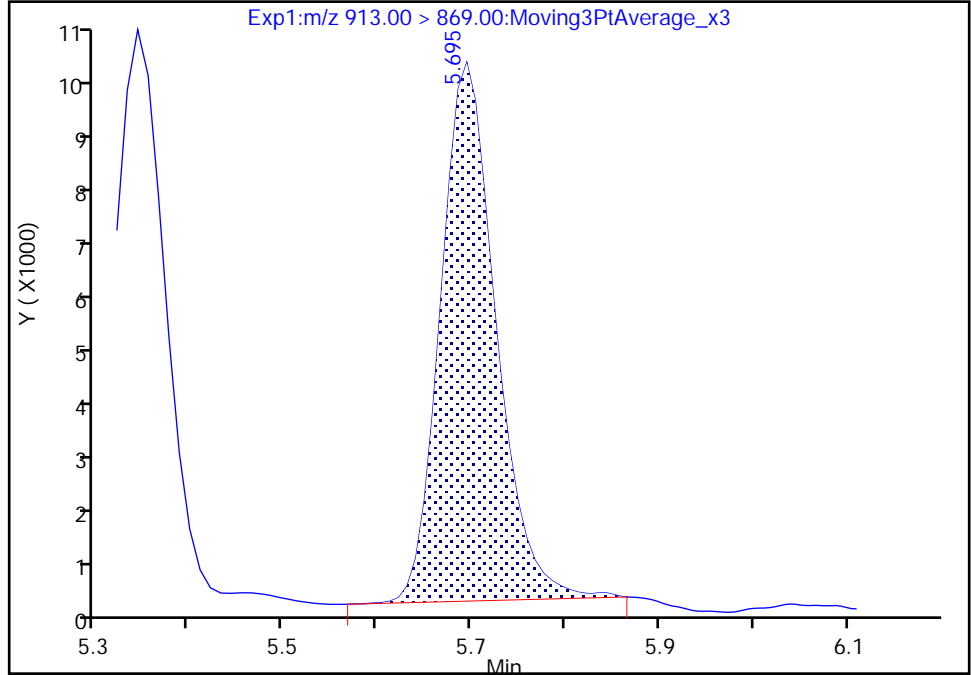
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A05.d
Injection Date: 02-Sep-2022 12:45:13 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

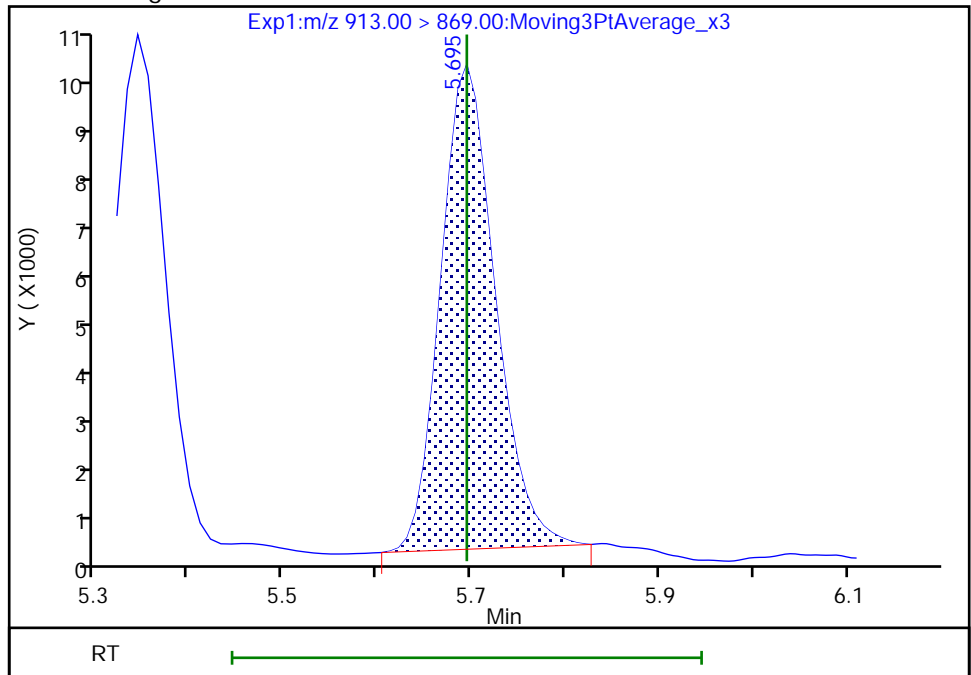
RT: 5.69
Area: 40700
Amount: 0.054990
Amount Units: ng/ml

Processing Integration Results



RT: 5.69
Area: 39978
Amount: 0.054014
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:37:45

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-264366-1
 SDG No.: _____
 Lab Sample ID: CCV 200-183258/1 Calibration Date: 09/02/2022 17:23
 Instrument ID: LC812 Calib Start Date: 08/03/2022 13:00
 GC Column: C-18 ID: 4.60 (mm) Calib End Date: 08/03/2022 13:41
 Lab File ID: PA220902B01B.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	0.9697	0.9508		0.980	1.00	-2.0	
Perfluoropentanoic acid (PFPeA)	AveID	1.031	0.9886		0.959	1.00	-4.1	
Perfluorobutanesulfonic acid (PFBS)	AveID	1.104	1.073		0.859	0.884	-2.8	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	2.377	2.665		1.05	0.934	12.1	
Perfluorohexanoic acid (PFHxA)	AveID	1.043	1.019		0.976	1.00	-2.4	
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.297	1.264		0.914	0.938	-2.5	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.075	1.039		0.967	1.00	-3.3	
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.103	1.071		0.884	0.910	-2.9	
Perfluoroheptanoic acid (PFHpA)	AveID	1.031	0.9866		0.957	1.00	-4.3	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	4.119	4.643		1.06	0.942	12.7	
6:2 FTS	L1ID		1.752		1.12	0.948	18.5	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.236	1.271		0.979	0.952	2.8	
Perfluorooctanoic acid (PFOA)	AveID	1.121	1.066		0.951	1.00	-4.9	
Perfluorooctanesulfonic acid (PFOS)	L1ID		1.065		0.974	0.928	5.0	30.0
Perfluorononanoic acid (PFNA)	AveID	1.017	0.8955		0.880	1.00	-12.0	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	AveID	1.766	2.098		1.11	0.932	18.8	
Perfluorononanesulfonic acid (PFNS)	AveID	0.7830	0.8307		1.02	0.960	6.1	
8:2 FTS	AveID	0.9657	1.083		1.07	0.958	12.1	
Perfluorodecanoic acid (PFDA)	AveID	1.052	1.024		0.974	1.00	-2.6	
Perfluorooctanesulfonamide (FOSA)	AveID	1.019	0.9707		0.953	1.00	-4.7	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.8881	0.8749		0.985	1.00	-1.5	
Perfluorodecanesulfonic acid (PFDS)	AveID	0.5827	0.6230		1.03	0.964	6.9	
Perfluoroundecanoic acid (PFUnA)	AveID	1.059	1.026		0.969	1.00	-3.1	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.9079	0.8997		0.991	1.00	-0.9	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF)	AveID	2.299	2.914		1.19	0.942	26.8	
Perfluorododecanoic acid (PFDoA)	AveID	1.014	1.047		1.03	1.00	3.3	
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	AveID	0.4511	0.5941		1.27	0.964	31.7	
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.2587	0.2642		0.989	0.968	2.1	

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-264366-1
 SDG No.: _____
 Lab Sample ID: CCV 200-183258/1 Calibration Date: 09/02/2022 17:23
 Instrument ID: LC812 Calib Start Date: 08/03/2022 13:00
 GC Column: C-18 ID: 4.60 (mm) Calib End Date: 08/03/2022 13:41
 Lab File ID: PA220902B01B.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorotridecanoic acid (PFTriA)	AveID	0.8791	0.9556		1.09	1.00	8.7	
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1602	0.1409		0.880	1.00	-12.0	
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		0.8915		0.976	1.00	-2.4	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.6649	0.6965		1.05	1.00	4.8	
13C4 PFBA	Ave	1.167	1.228		1.32	1.25	5.3	
13C5 PFPeA	Ave	0.8976	0.9522		1.33	1.25	6.1	
13C3 PFBS	Ave	1.039	1.076		1.20	1.16	3.6	
M2-4:2 FTS	Ave	0.0894	0.0900		1.18	1.17	0.7	
13C2 PFHxA	Ave	0.8962	0.9145		1.28	1.25	2.0	
13C3 HFPO-DA	Ave	0.1687	0.1643		1.22	1.25	-2.6	
18O2 PFHxS	Ave	0.7305	0.7489		1.21	1.18	2.5	50.0
13C4 PFHpA	Ave	0.9296	0.9376		1.26	1.25	0.9	50.0
M2-6:2 FTS	Ave	0.1223	0.1309		1.27	1.19	7.1	
13C4 PFOA	Ave	0.9525	0.9425		1.24	1.25	-1.1	50.0
13C4 PFOS	Ave	0.5455	0.5341		1.17	1.20	-2.1	50.0
13C5 PFNA	Ave	0.9889	0.9716		1.23	1.25	-1.8	50.0
13C2 PFDA	Ave	0.9624	0.9343		1.21	1.25	-2.9	
M2-8:2 FTS	Ave	0.1471	0.1672		1.36	1.20	13.7	
13C8 FOSA	Ave	0.8423	0.8809		1.31	1.25	4.6	
d3-NMeFOSAA	Ave	0.1290	0.1547		1.50	1.25	19.9	
13C2 PFUnA	Ave	0.7292	0.7534		1.29	1.25	3.3	
d5-NEtFOSAA	Ave	0.1221	0.1491		1.53	1.25	22.1	
13C2 PFDoA	Ave	0.7556	0.7959		1.32	1.25	5.3	
13C2 PFTeDA	Ave	0.6177	0.6946		1.41	1.25	12.5	
13C2 PFHxDA	Ave	0.7037	0.7588		1.35	1.25	7.8	

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B01B.d
 Lims ID: CCV L4
 Client ID:
 Sample Type: CCV
 Inject. Date: 02-Sep-2022 17:23:00 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: CCV L4
 Misc. Info.: 200-0052318-001 Plate: 1 Rack: 2
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 06-Sep-2022 13:25:25 Calib Date: 03-Aug-2022 13:41:11
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1638

First Level Reviewer: SJ4N Date: 02-Sep-2022 17:35:24

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA	217.00 > 172.00	2.076	2.068	0.008	0.602	2454820	1.32	105	15505	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.076	2.068	0.008	1.000	1867159	0.9805		98.0	206	M
D 3 13C5 PFPeA	267.90 > 223.00	2.386	2.374	0.012	0.692	1902751	1.33	106	4144	
4 Perfluoropentanoic acid	262.90 > 219.00	2.386	2.374	0.012	1.000	1504907	0.9590	95.9	47.4	
D 47 13C3 PFBS	301.90 > 80.00	2.400	2.387	0.013	0.696	1999306	1.20	104	322859	
5 Perfluorobutanesulfonic acid	298.90 > 80.00	2.400	2.387	0.013	1.000	1631574	0.8594	Target=2.23	97.2	1582
298.90 > 99.00	2.400	2.387	0.013	1.000	761221		2.14(1.11-3.34)		592	
61 1H,1H,2H,2H-perfluorohexanesulfo	327.00 > 307.00	2.689	2.677	0.012	1.000	358327	1.05	112	2700	
D 60 M2-4:2 FTS	329.00 > 81.00	2.689	2.677	0.012	0.780	168052	1.18	101	146	M
D 7 13C2 PFHxA	315.00 > 270.00	2.725	2.713	0.012	0.790	1827384	1.28	102	5067	
6 Perfluorohexanoic acid	313.00 > 269.00	2.725	2.713	0.012	1.000	1488983	0.9761	Target=12.24	97.6	385
313.00 > 119.00	2.725	2.713	0.012	1.000	108860		13.68(6.12-18.36)		189	
70 Perfluoropentanesulfonic acid	349.00 > 80.00	2.737	2.713	0.024	0.887	1419074	0.9141	Target=2.95	97.5	1399
349.00 > 99.00	2.737	2.713	0.024	0.887	455397		3.12(1.48-4.43)		877	
D 64 13C3 HFPO-DA	287.00 > 169.00	2.835	2.823	0.012	0.822	328330	1.22	97.4	2655	

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	2.823	0.012	1.000	272839	0.9667	96.7	1471	
8 Perfluorohexanesulfonic acid	399.00 > 80.00	3.088	3.077	0.011	1.000	1167350	0.8840	Target=3.43	97.1	1874
	399.00 > 99.00	3.088	3.077	0.011	1.000	314275		3.71(1.72-5.15)		429
D 11 18O2 PFHxS	403.00 > 84.00	3.088	3.077	0.011	0.896	1415777	1.21		103	5370
D 9 13C4 PFHpA	367.00 > 322.00	3.099	3.077	0.022	0.899	1873522	1.26		101	3948
10 Perfluoroheptanoic acid	363.00 > 319.00	3.099	3.077	0.022	1.000	1478801	0.9574	Target=3.73	95.7	394
	363.00 > 169.00	3.099	3.077	0.022	1.000	376222		3.93(1.86-5.59)		796
77 DONA	377.00 > 251.00	3.132	3.110	0.022	0.832	3733841	1.06	Target=2.84	113	3488
	377.00 > 85.00	3.132	3.110	0.022	0.832	1236639		3.02(1.42-4.26)		1491
D 12 M2-6:2 FTS	429.00 > 81.00	3.439	3.422	0.017	0.997	248583	1.27		107	728
13 1H,1H,2H,2H-perfluorooctanesulfo	427.00 > 407.00	3.439	3.422	0.017	1.000	347724	1.12		118	2357
16 Perfluoroheptanesulfonic acid	449.00 > 80.00	3.439	3.422	0.017	0.914	1032735	0.9786	Target=4.89	103	2087
	449.00 > 99.00	3.439	3.422	0.017	0.914	191540		5.39(2.44-7.33)		888
D 14 13C4 PFOA	417.00 > 372.00	3.448	3.430	0.018	1.000	1883339	1.24		98.9	3854
* 62 13C2 PFOA	415.00 > 370.00	3.448	3.430	0.018		1998297	1.25			4041
15 Perfluorooctanoic acid	413.00 > 369.00	3.448	3.430	0.018	1.000	1606801	0.9510	Target=2.67	95.1	104
	413.00 > 169.00	3.448	3.430	0.018	1.000	586622		2.74(1.34-4.01)		691
D 18 13C4 PFOS	503.00 > 80.00	3.764	3.745	0.019	1.092	1020270	1.17		97.9	2277
17 Perfluorooctanesulfonic acid	499.00 > 80.00	3.764	3.745	0.019	1.000	843455	0.9744	Target=4.88	105	563
	499.00 > 99.00	3.764	3.745	0.019	1.000	162914		5.18(2.44-7.32)		589
D 19 13C5 PFNA	468.00 > 423.00	3.783	3.764	0.019	1.097	1941513	1.23		98.2	3443
20 Perfluorononanoic acid	463.00 > 419.00	3.783	3.764	0.019	1.000	1390938	0.8801	Target=8.23	88.0	353
	463.00 > 169.00	3.783	3.764	0.019	1.000	182455		7.62(4.11-12.34)		1262
69 9-Chlorohexadecafluoro-3-oxanona	531.00 > 351.00	3.928	3.916	0.012	1.044	1669711	1.11		119	2756
68 Perfluorononanesulfonic acid	549.00 > 80.00	4.061	4.042	0.019	1.079	680901	1.02	Target=2.53	106	2345
	549.00 > 99.00	4.061	4.042	0.019	1.079	256188		2.66(1.26-3.79)		1415
D 23 13C2 PFDA	515.00 > 470.00	4.081	4.061	0.020	1.184	1866909	1.21		97.1	3952

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	4.093	4.061	0.032	1.003	1529455	0.9737	Target=9.67	97.4	788	
513.00 > 169.00	4.081	4.061	0.020	1.000	155483		9.84(4.83-14.50)		408	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.093	4.071	0.022	1.187	320146	1.36		114	914	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.093	4.071	0.022	1.000	277363	1.07		112	1113	
D 21 13C8 FOSA										
506.00 > 78.00	4.138	4.127	0.011	1.200	1760235	1.31		105	3999	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.138	4.127	0.011	1.000	1366911	0.9526		95.3	3460	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.228	4.207	0.021	1.226	309080	1.50		120	1167	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.238	4.218	0.020	1.002	216343	0.9852		98.5	484	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.331	4.308	0.023	1.151	512789	1.03	Target=2.80	107	2364	
599.00 > 99.00	4.331	4.308	0.023	1.151	206634		2.48(1.40-4.20)		1330	
D 30 13C2 PFUnA										
565.00 > 520.00	4.365	4.342	0.023	1.266	1505424	1.29		103	3875	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.365	4.342	0.023	1.000	1235847	0.9686	Target=9.07	96.9	592	
563.00 > 169.00	4.353	4.342	0.011	0.997	131903		9.37(4.54-13.61)		1034	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.365	4.342	0.023	1.266	297945	1.53		122	1086	
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.376	4.354	0.022	1.003	214444	0.99		99.1	1083	M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.454	4.432	0.022	1.183	2343853	1.19		127	3029	
D 36 13C2 PFDaA										
615.00 > 570.00	4.602	4.580	0.022	1.335	1590501	1.32		105	2851	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.602	4.580	0.022	1.000	1332480	1.03	Target=6.97	103	115	
613.00 > 169.00	4.602	4.580	0.022	1.000	177575		7.50(3.48-10.45)		911	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.622	4.602	0.020	1.129	153124	1.27		132	912	
75 Perfluorododecanesulfonic acid (
699.00 > 80.00	4.776	4.758	0.018	1.269	218345	0.9886	Target=0.52	102	2162	
699.00 > 99.00	4.776	4.758	0.018	1.269	422728		0.52(0.26-0.79)		1949	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.813	4.785	0.028	1.046	1215946	1.09	Target=4.56	109	132	
663.00 > 169.00	4.813	4.785	0.028	1.046	250336		4.86(2.28-6.84)		1296	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.012	4.992	0.020	1.454	1388073	1.41		112	3451	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.022	4.992	0.030	1.002	156514	0.8797	Target=0.94	88.0	1184	
713.00 > 219.00	5.012	4.992	0.020	1.000	179775		0.87(0.47-1.41)		2577	

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	5.378	5.344	0.034	1.560	1516398	1.35		108	3589	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.378	5.344	0.034	1.000	1081530	0.9765	Target=4.38	97.6	160	
813.00 > 169.00	5.378	5.344	0.034	1.000	220361		4.91(2.19-6.57)		2301	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.740	5.695	0.045	1.067	844994	1.05	Target=4.31	105	156	
913.00 > 169.00	5.740	5.695	0.045	1.067	167090		5.06(2.16-6.47)		880	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC4_00033

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B01B.d

Injection Date: 02-Sep-2022 17:23:00

Instrument ID: LC812

Lims ID: CCV L4

Client ID:

Operator ID: lc812tech

ALS Bottle#: 1

Worklist Smp#: 1

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

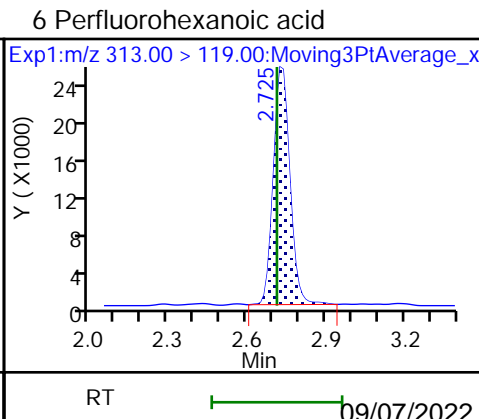
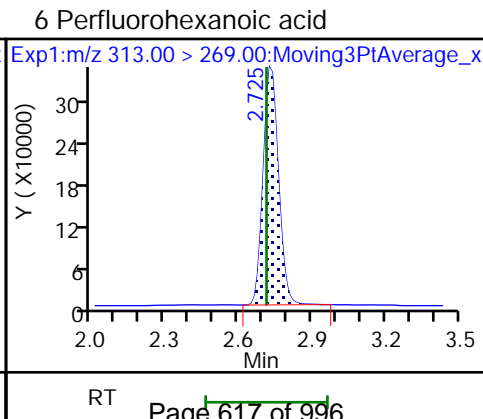
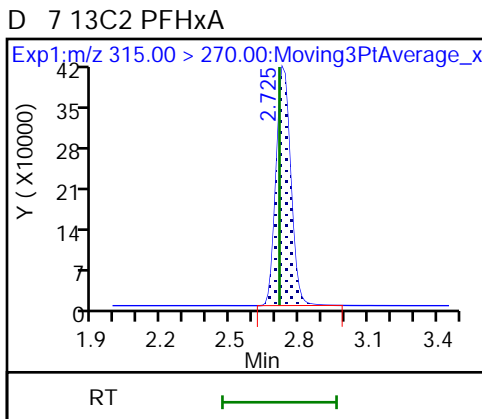
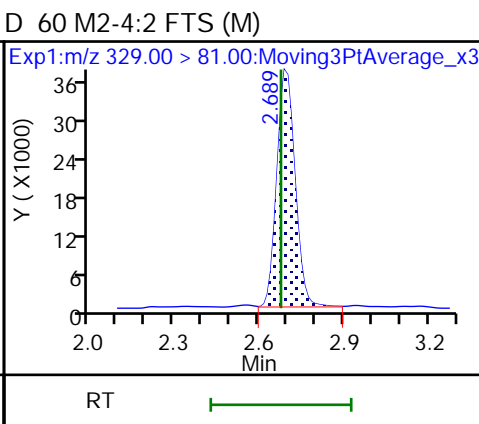
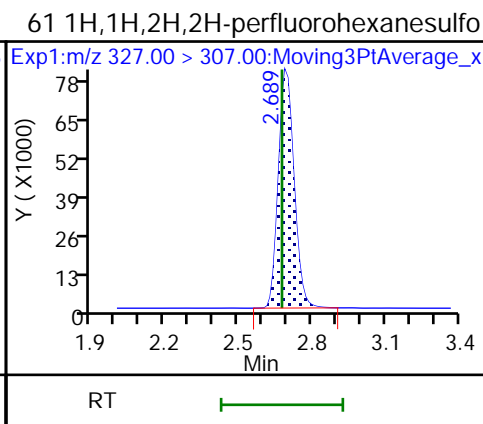
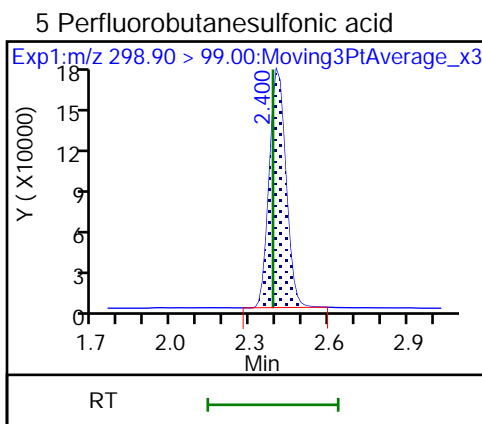
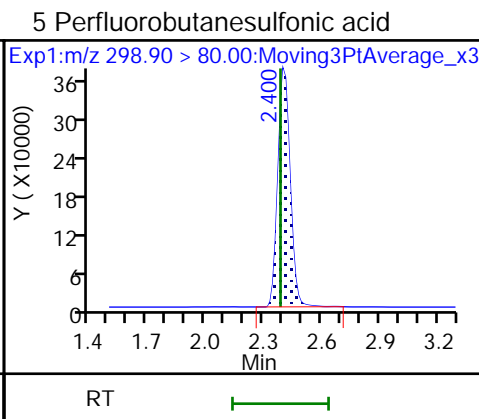
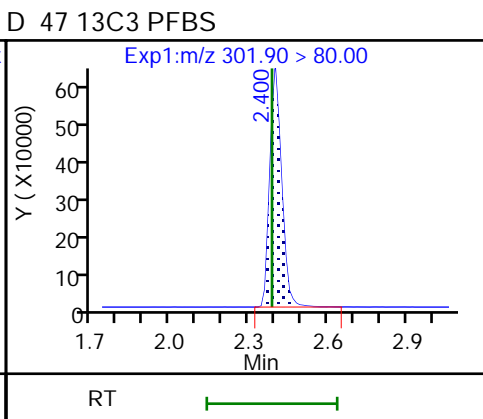
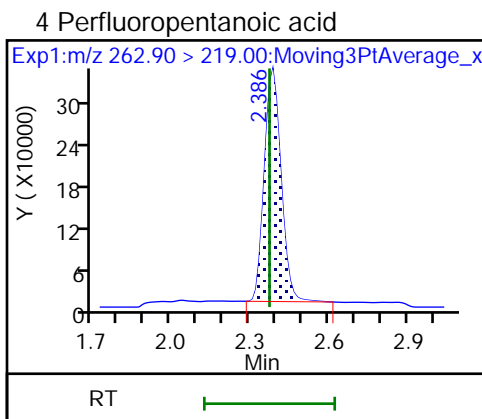
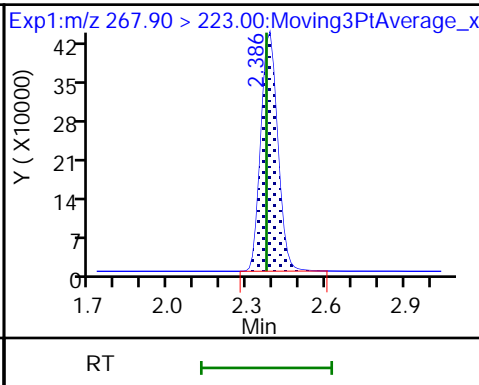
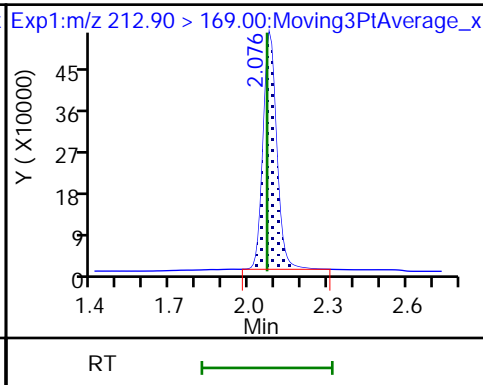
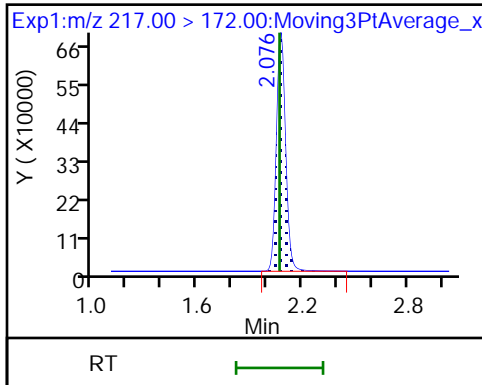
Method: PFC_LC812

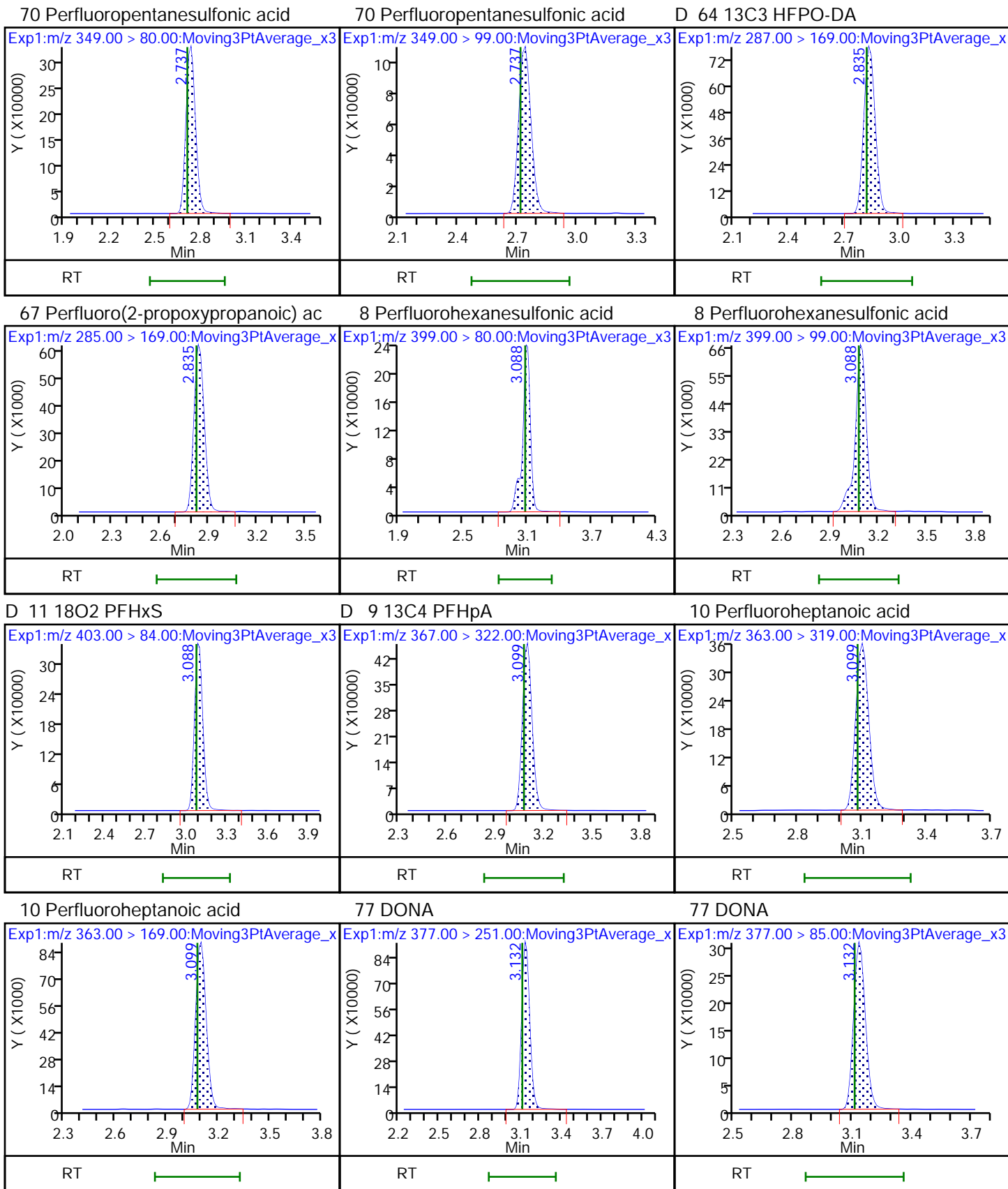
Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

D 3 13C5 PFPeA

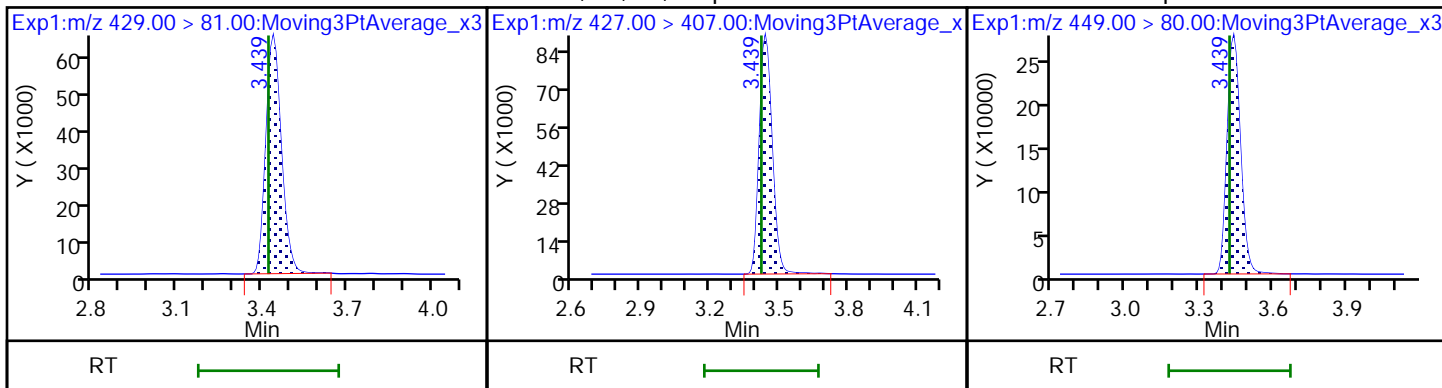




D 12 M2-6:2 FTS

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

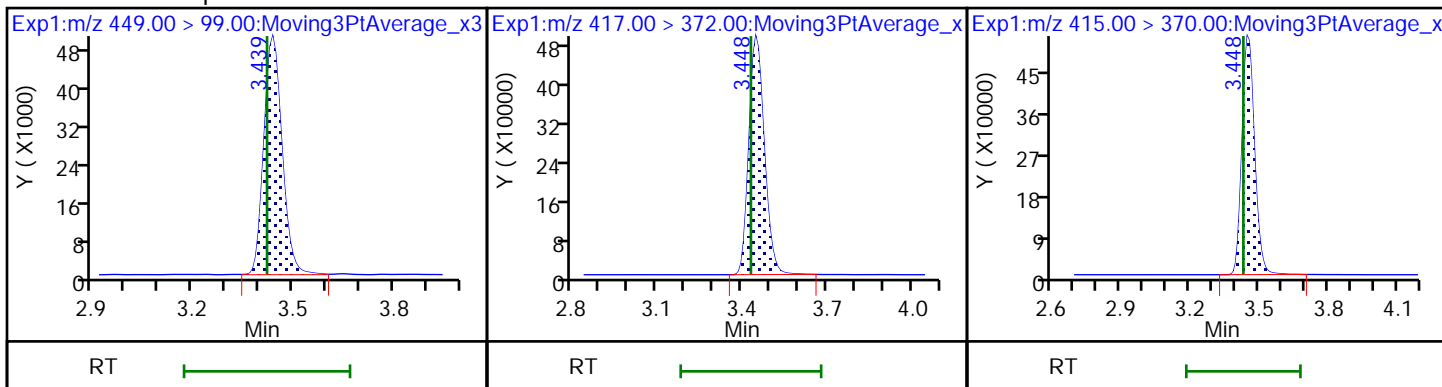
16 Perfluoroheptanesulfonic acid



16 Perfluoroheptanesulfonic acid

D 14 13C4 PFOA

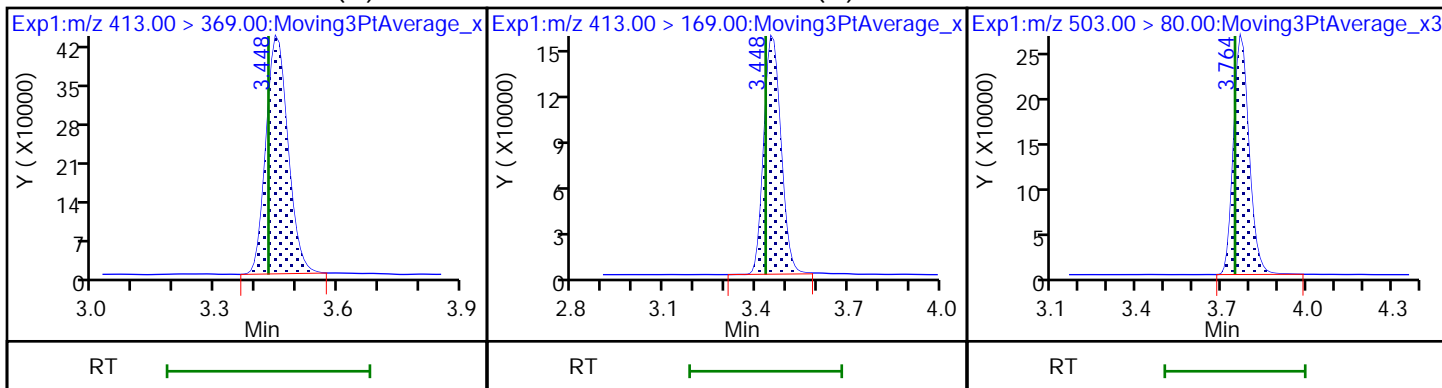
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

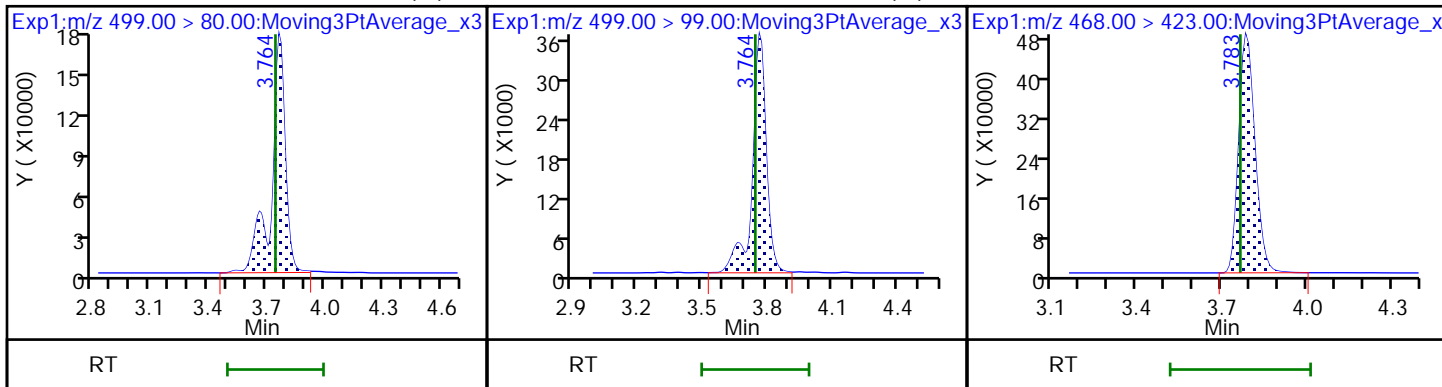
D 18 13C4 PFOS

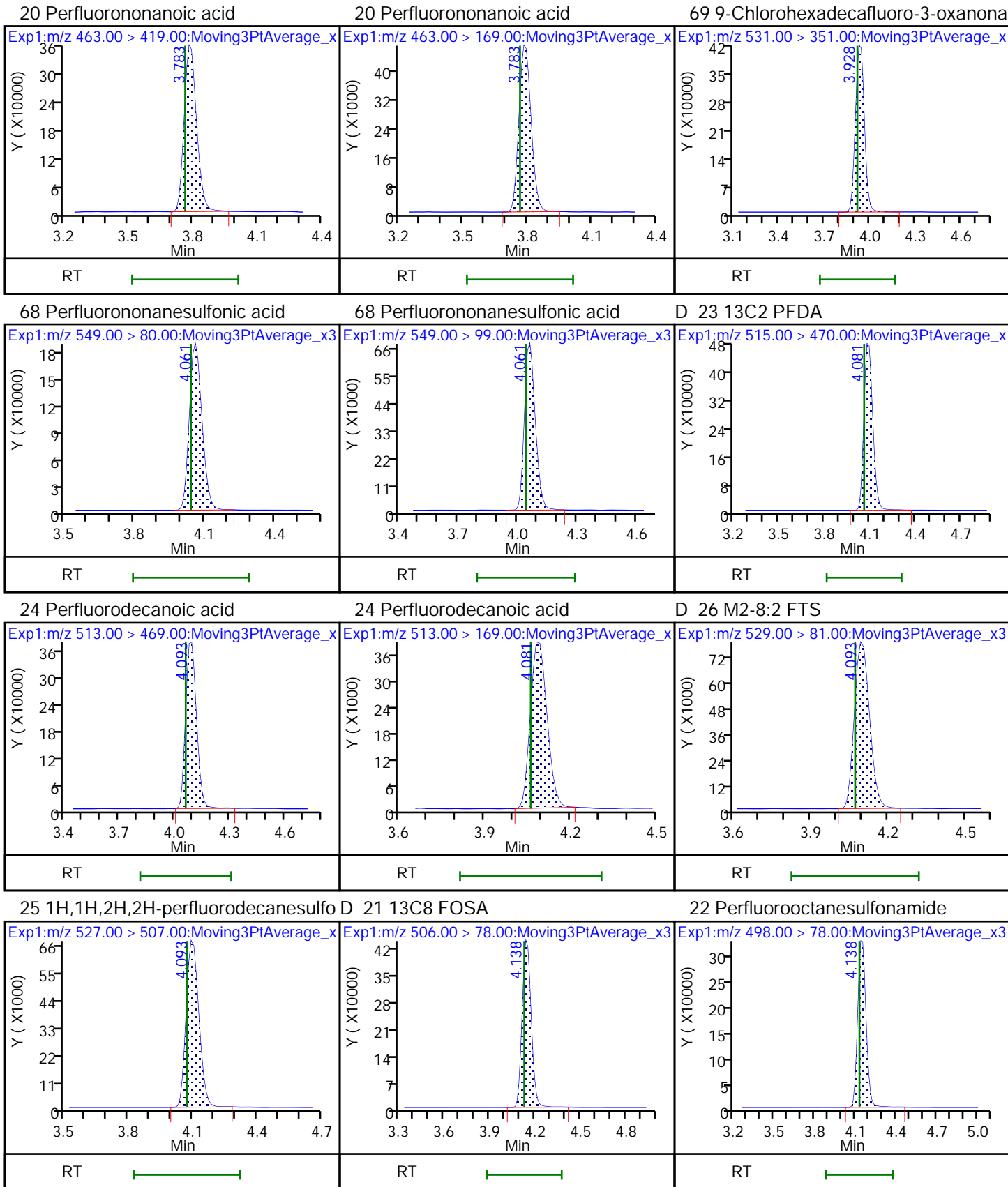


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

D 19 13C5 PFNA

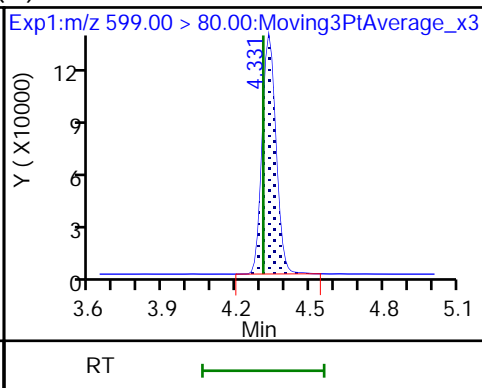
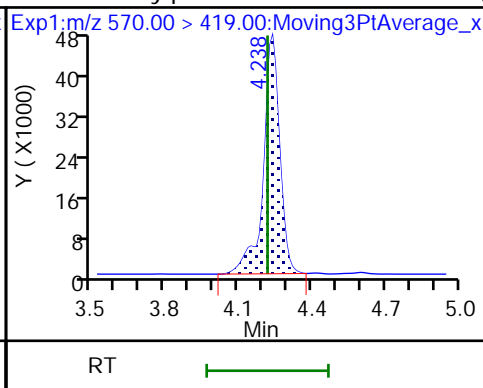
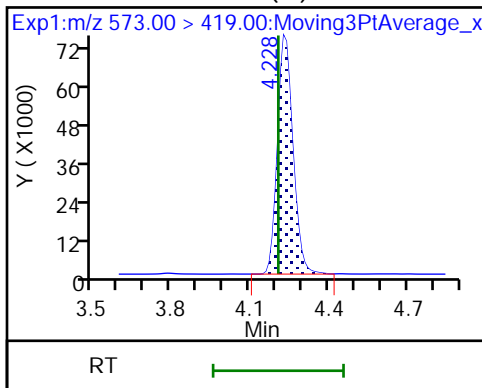




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

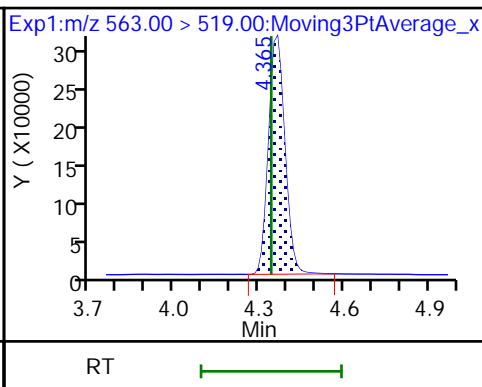
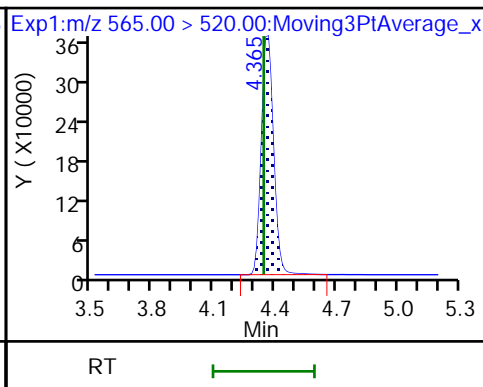
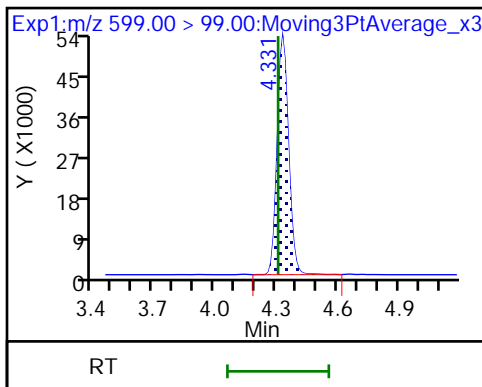
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid

D 30 13C2 PFUoA

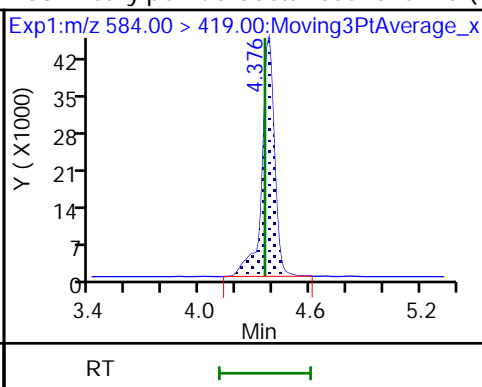
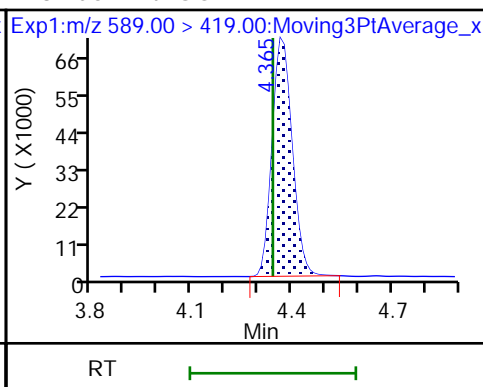
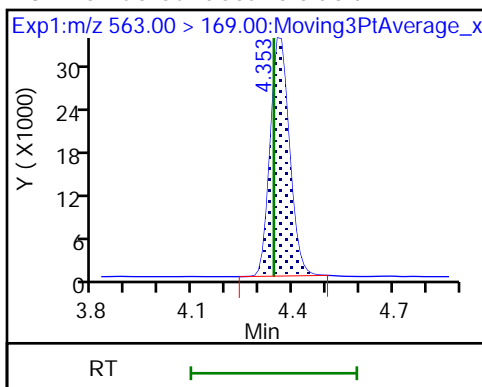
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid

D 32 d5-NEtFOSAA

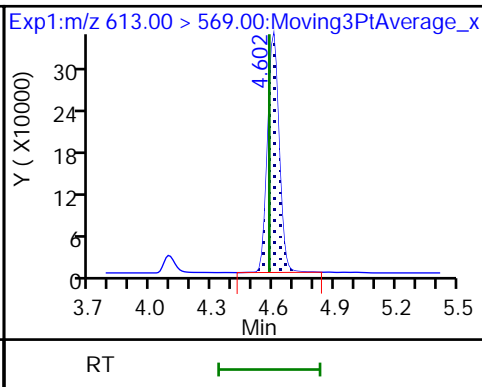
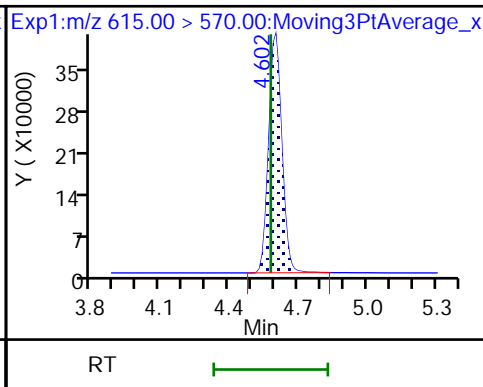
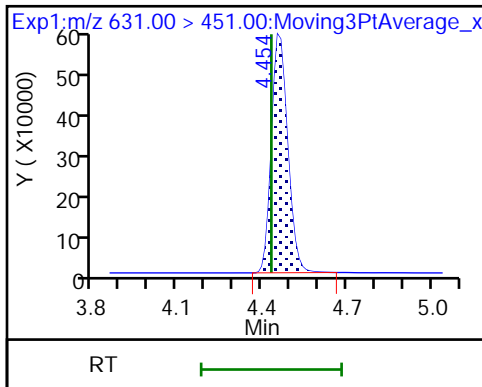
33 N-ethylperfluorooctanesulfonamid (M)

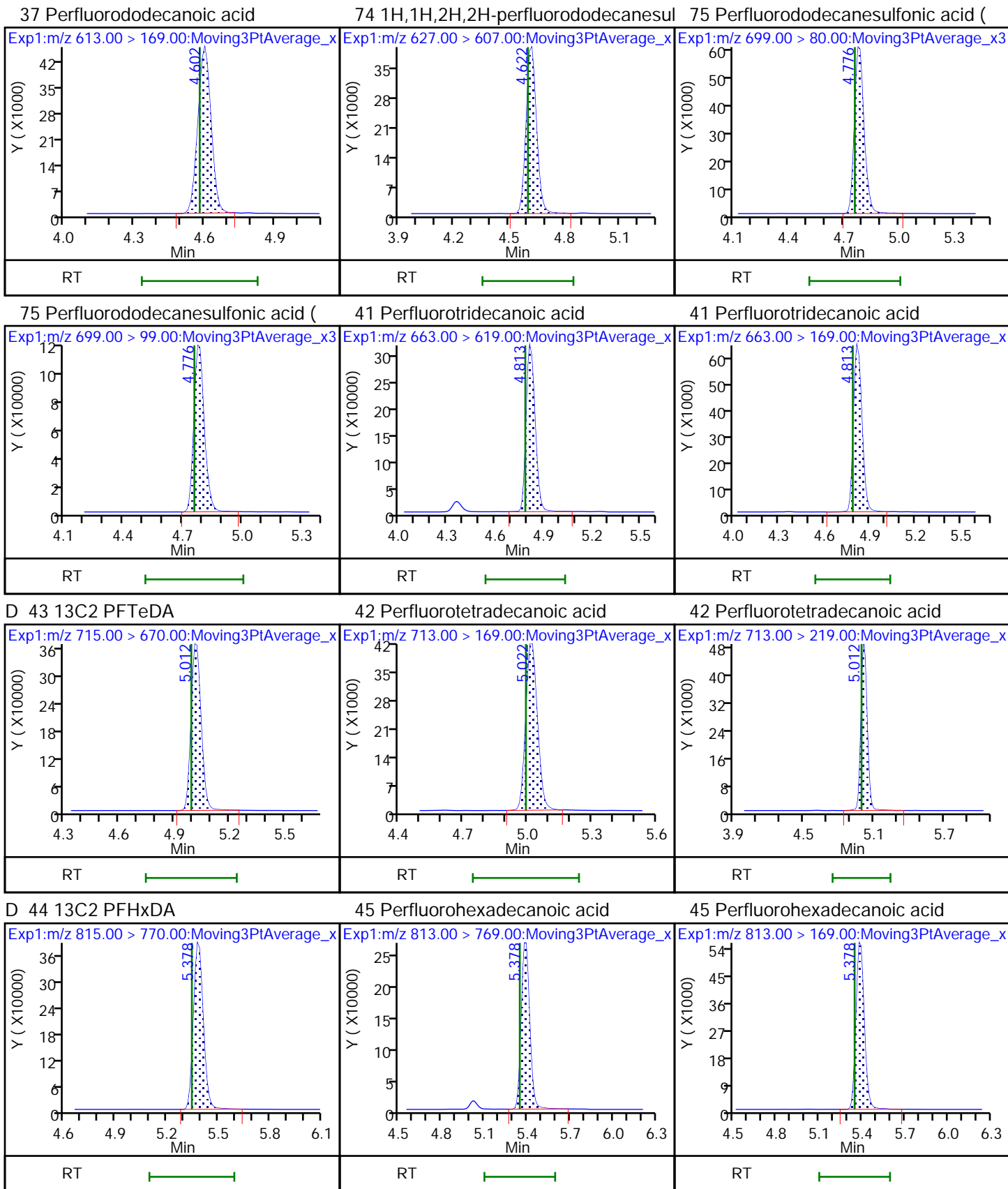


66 11-Chloroeicosafuoro-3-oxaundec

D 36 13C2 PFDoA

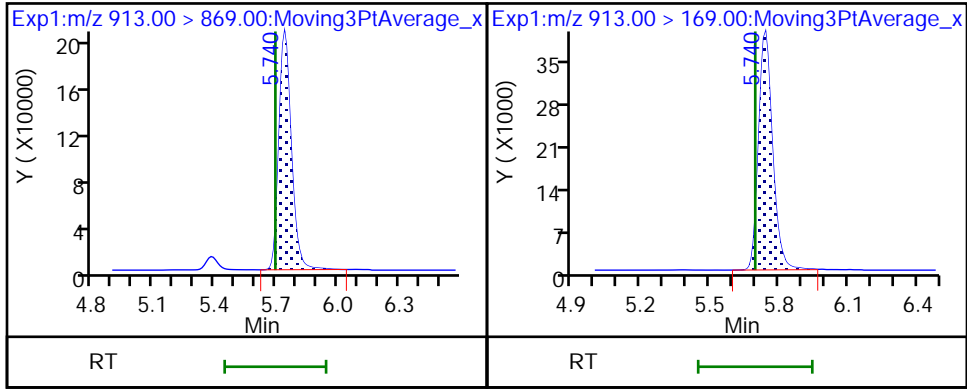
37 Perfluorododecanoic acid





46 Perfluorooctadecanoic acid

46 Perfluorooctadecanoic acid



Eurofins Burlington

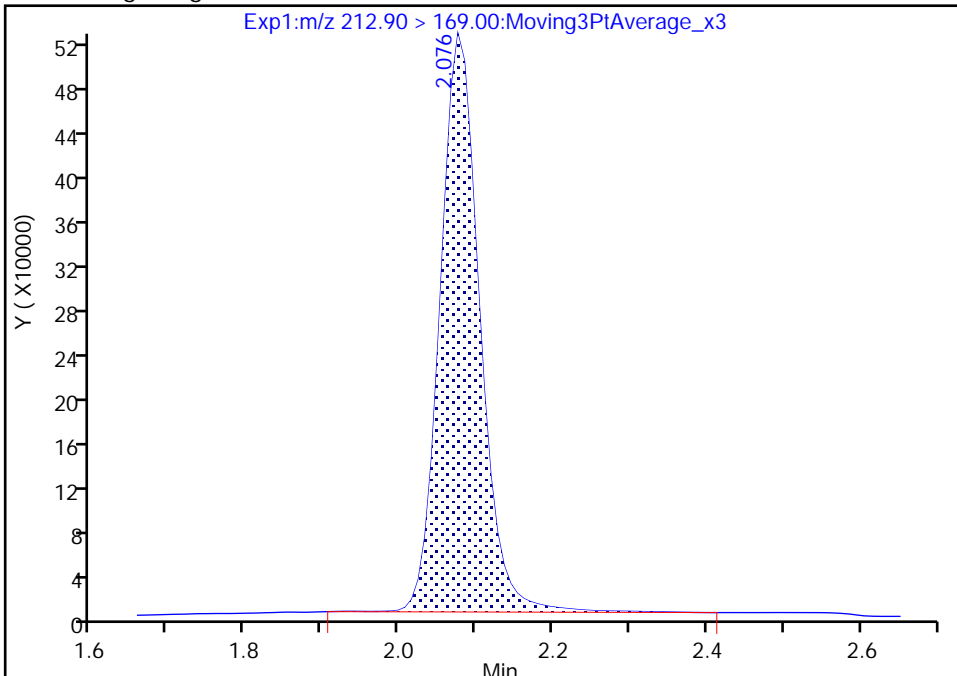
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B01B.d
Injection Date: 02-Sep-2022 17:23:00 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

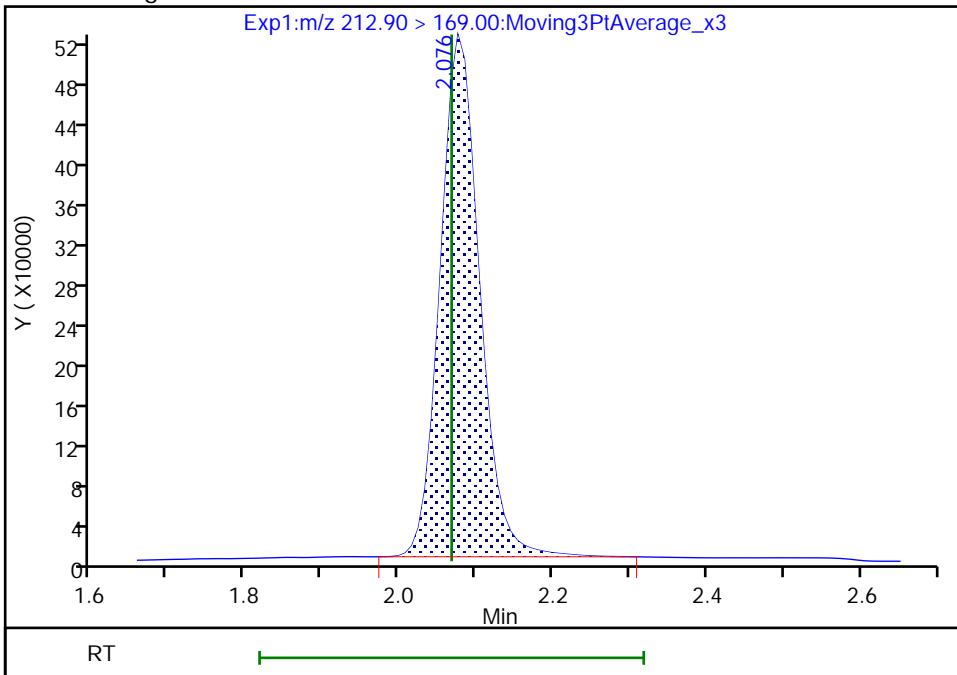
RT: 2.08
Area: 1882337
Amount: 0.988450
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 1867159
Amount: 0.980480
Amount Units: ng/ml

Manual Integration Results



Reviewer: SJ4N, 02-Sep-2022 17:33:40
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

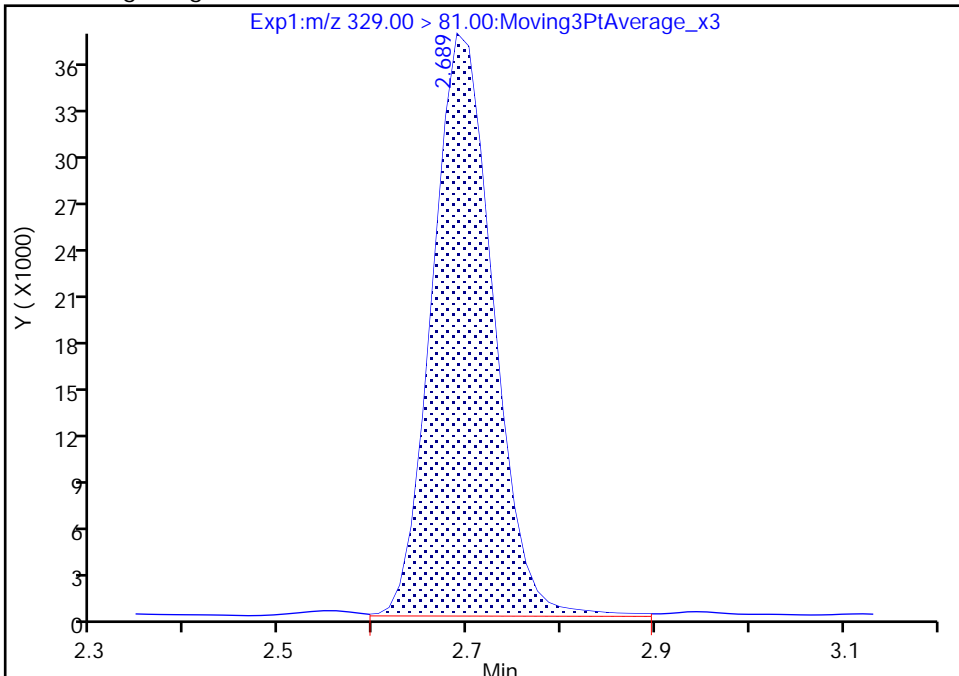
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B01B.d
Injection Date: 02-Sep-2022 17:23:00 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 60 M2-4:2 FTS, CAS: STL02395

Signal: 1

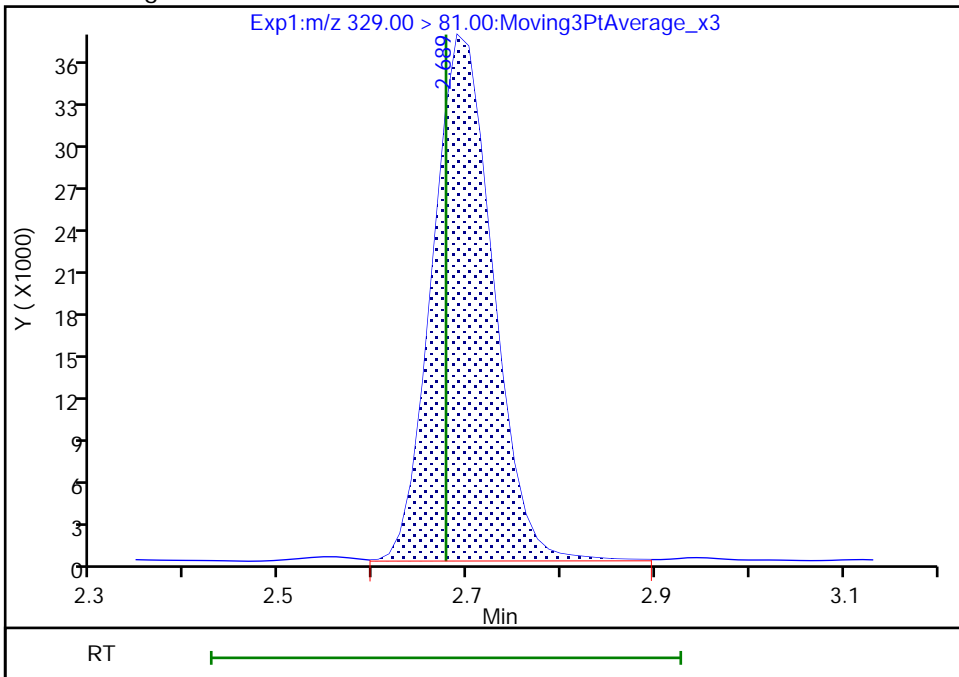
RT: 2.69
Area: 168940
Amount: 1.181841
Amount Units: ng/ml

Processing Integration Results



RT: 2.69
Area: 168052
Amount: 1.175629
Amount Units: ng/ml

Manual Integration Results



Reviewer: SJ4N, 02-Sep-2022 17:34:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

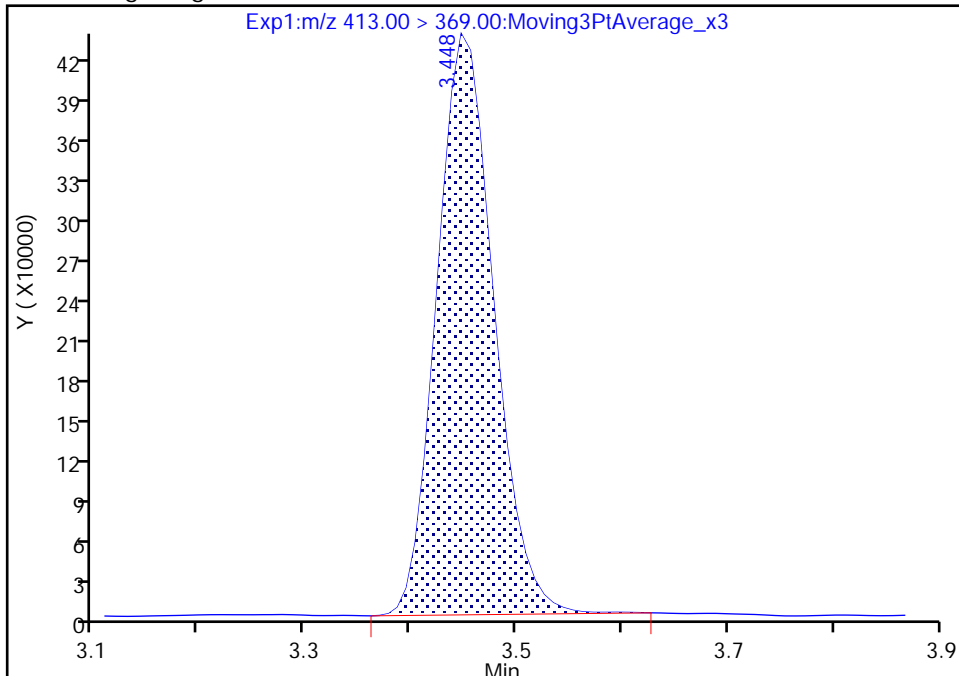
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B01B.d
Injection Date: 02-Sep-2022 17:23:00 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

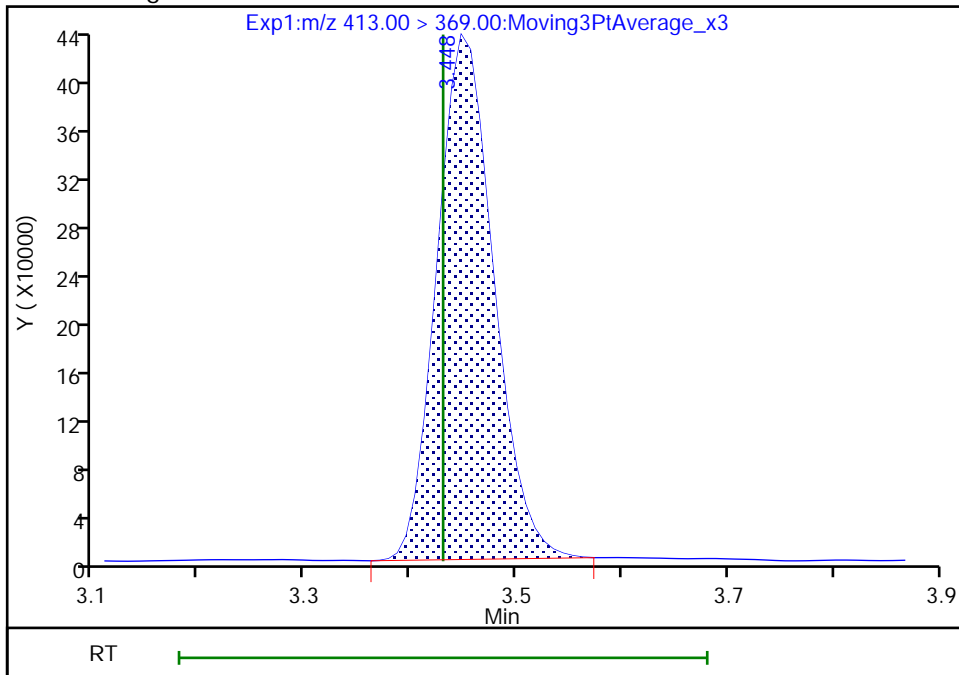
RT: 3.45
Area: 1613353
Amount: 0.954885
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 1606801
Amount: 0.951007
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:14:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

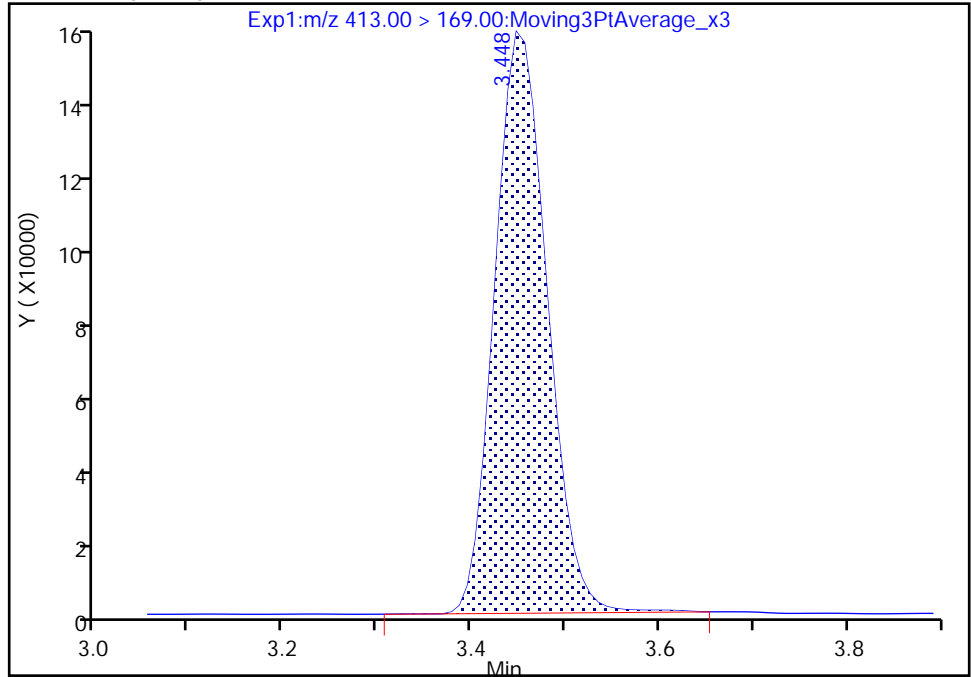
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B01B.d
Injection Date: 02-Sep-2022 17:23:00 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

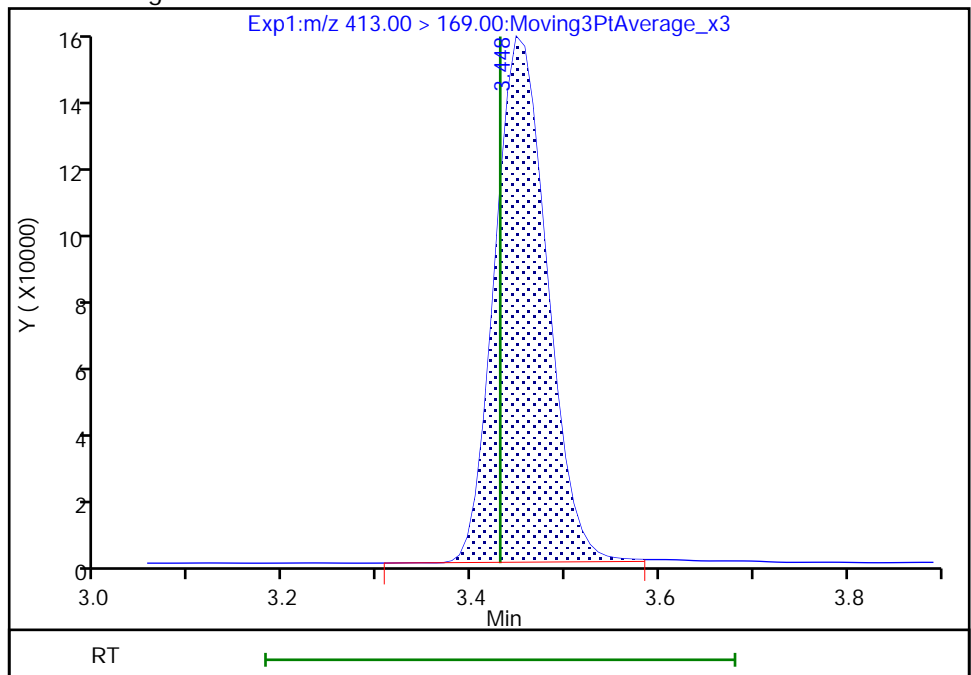
RT: 3.45
Area: 588267
Amount: 0.954885
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 586622
Amount: 0.951007
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:14:22

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

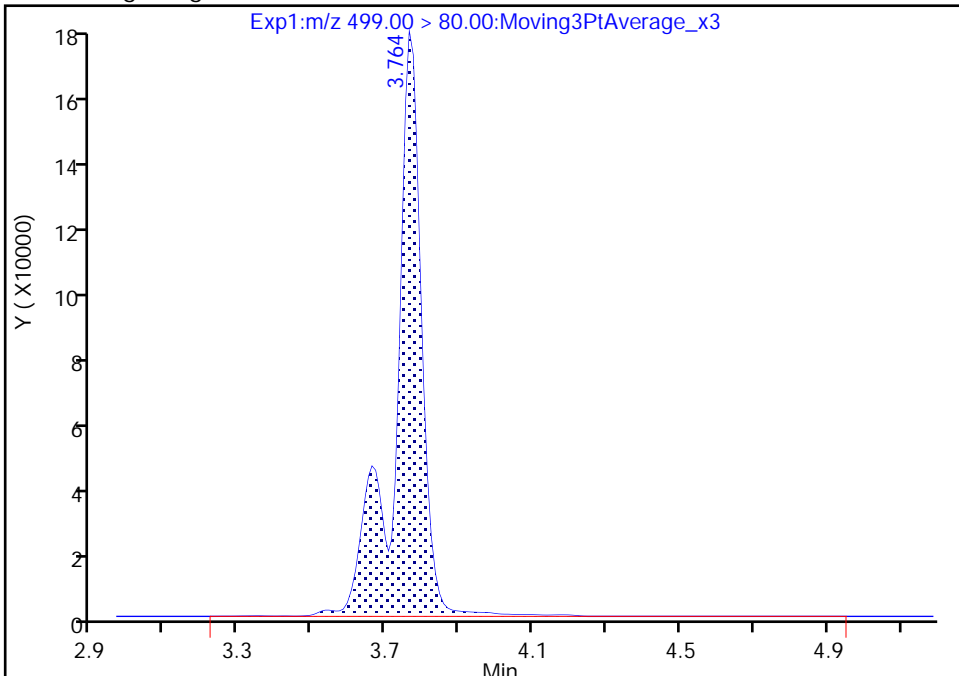
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B01B.d
Injection Date: 02-Sep-2022 17:23:00 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

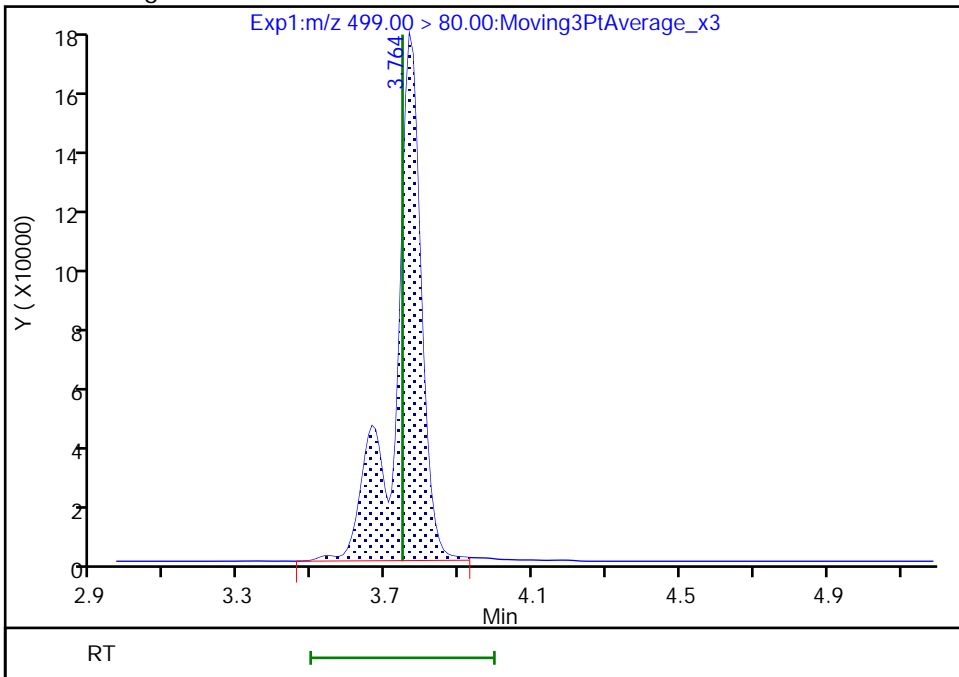
RT: 3.76
Area: 858725
Amount: 0.992425
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 843455
Amount: 0.974449
Amount Units: ng/ml

Manual Integration Results



Reviewer: SJ4N, 02-Sep-2022 17:34:42
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

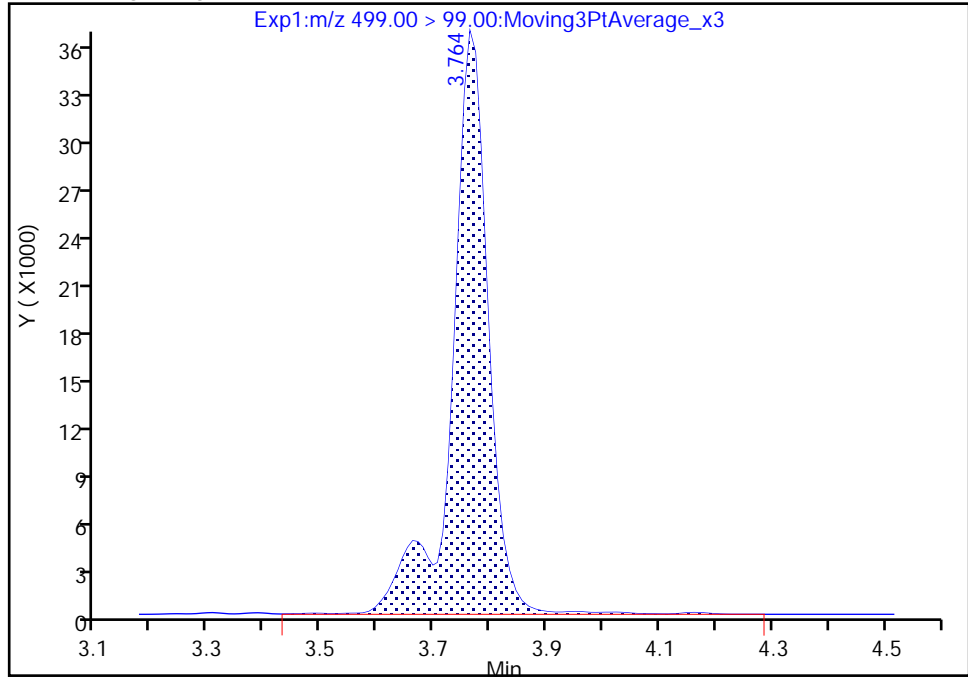
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B01B.d
Injection Date: 02-Sep-2022 17:23:00 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

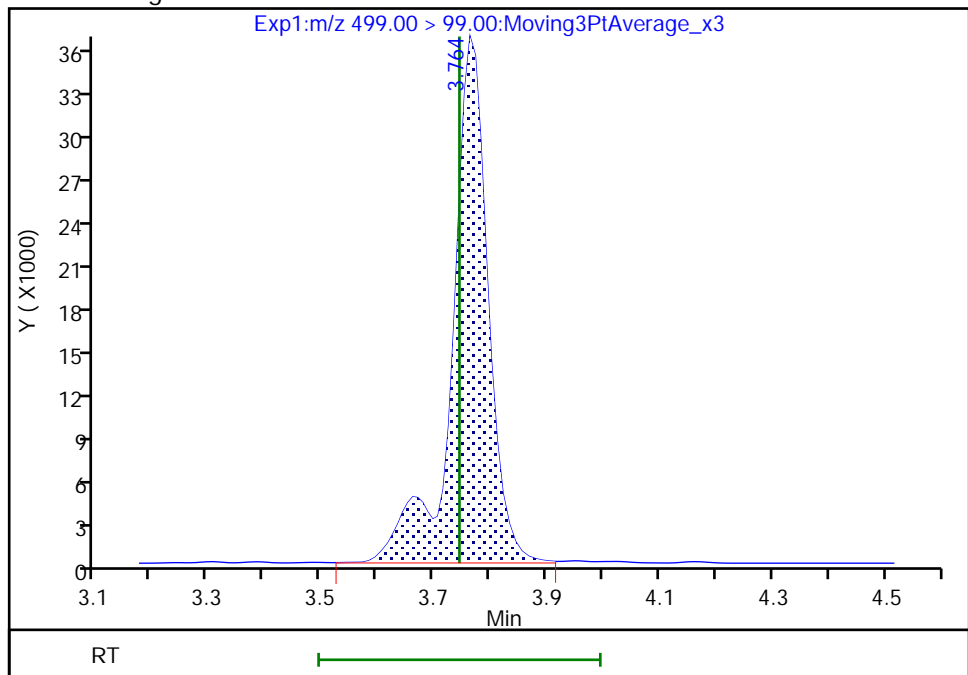
RT: 3.76
Area: 164963
Amount: 0.992425
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 162914
Amount: 0.974449
Amount Units: ng/ml

Manual Integration Results



Reviewer: SJ4N, 02-Sep-2022 17:34:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

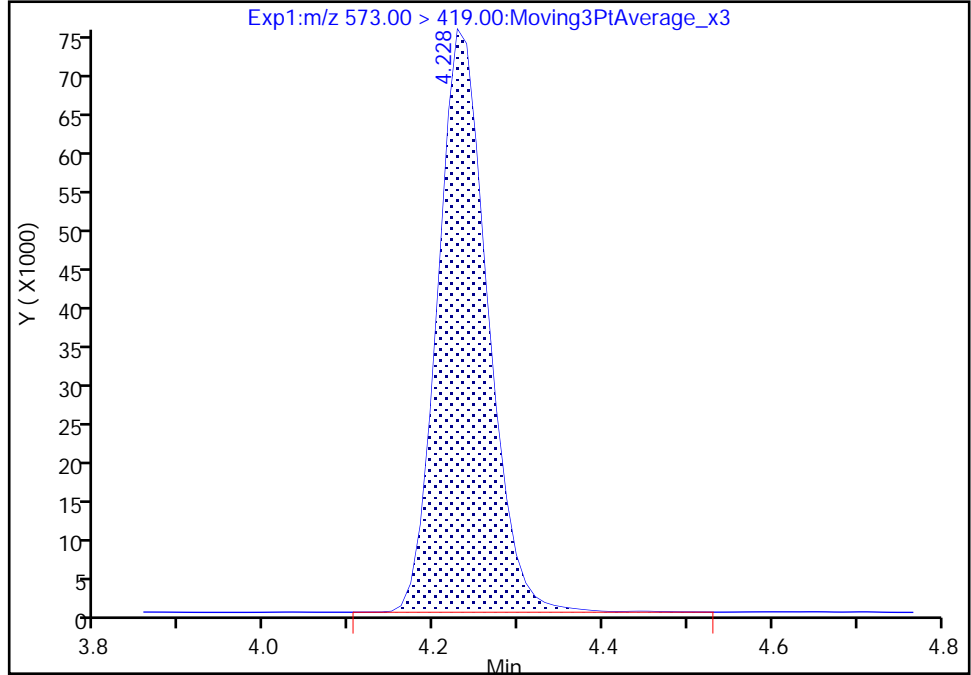
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B01B.d
Injection Date: 02-Sep-2022 17:23:00 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 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

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

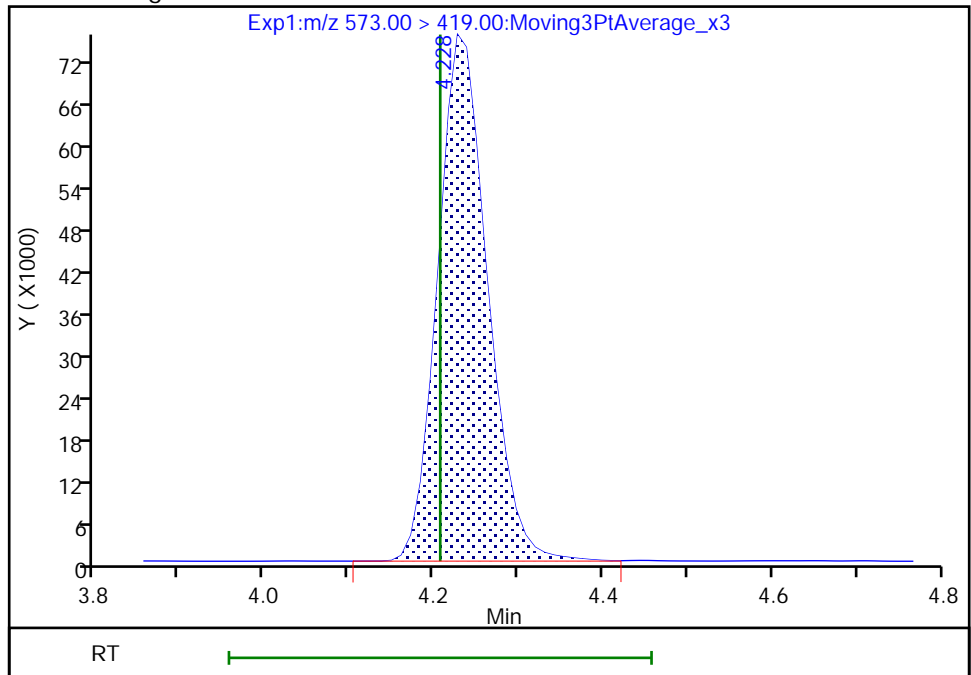
RT: 4.23
Area: 309357
Amount: 1.500151
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 309080
Amount: 1.498807
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:04:18
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

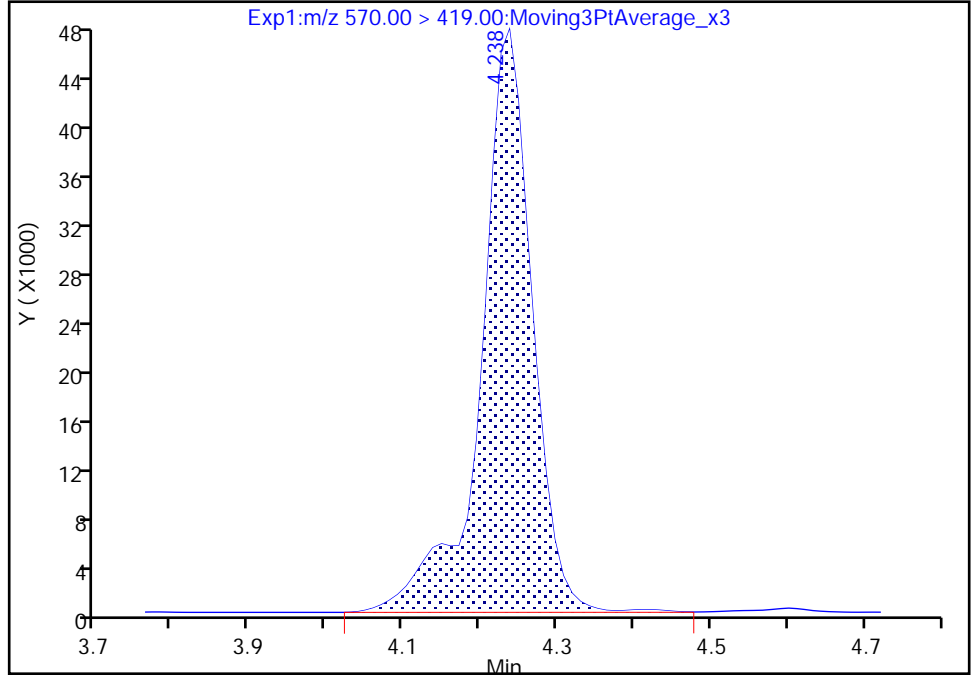
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Injection Date: 02-Sep-2022 17:23:00 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

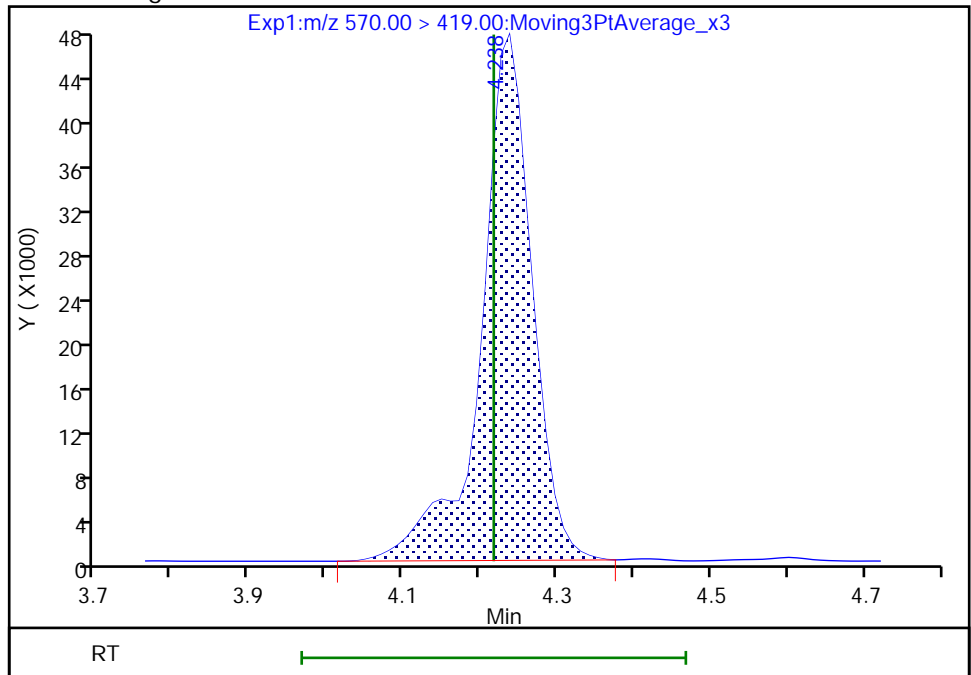
RT: 4.24
Area: 218399
Amount: 0.993650
Amount Units: ng/ml

Processing Integration Results



RT: 4.24
Area: 216343
Amount: 0.985178
Amount Units: ng/ml

Manual Integration Results



Reviewer: SJ4N, 02-Sep-2022 17:35:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

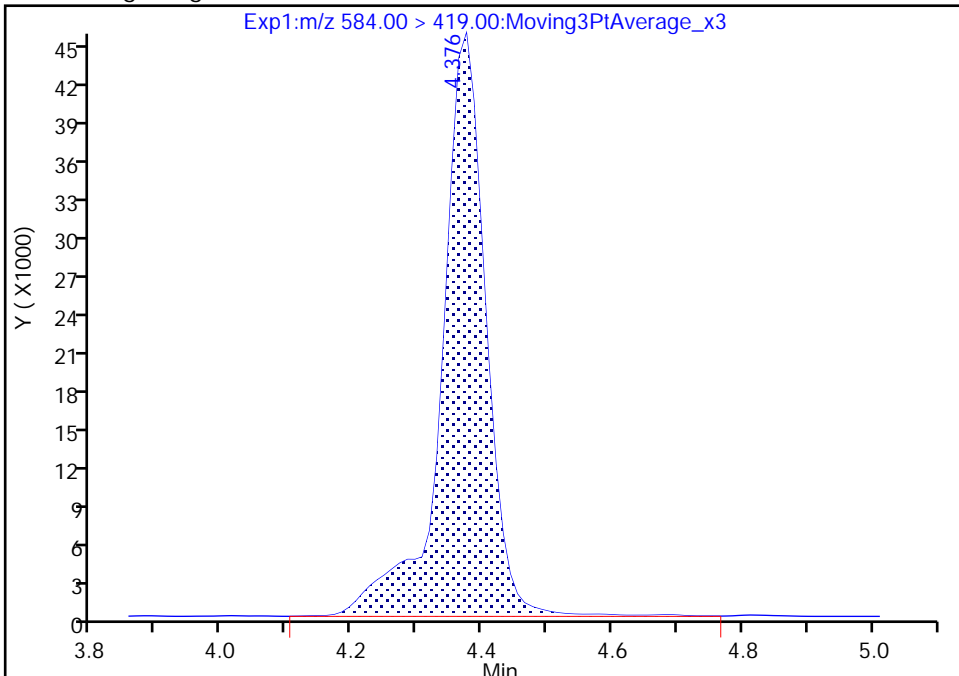
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B01B.d
Injection Date: 02-Sep-2022 17:23:00 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

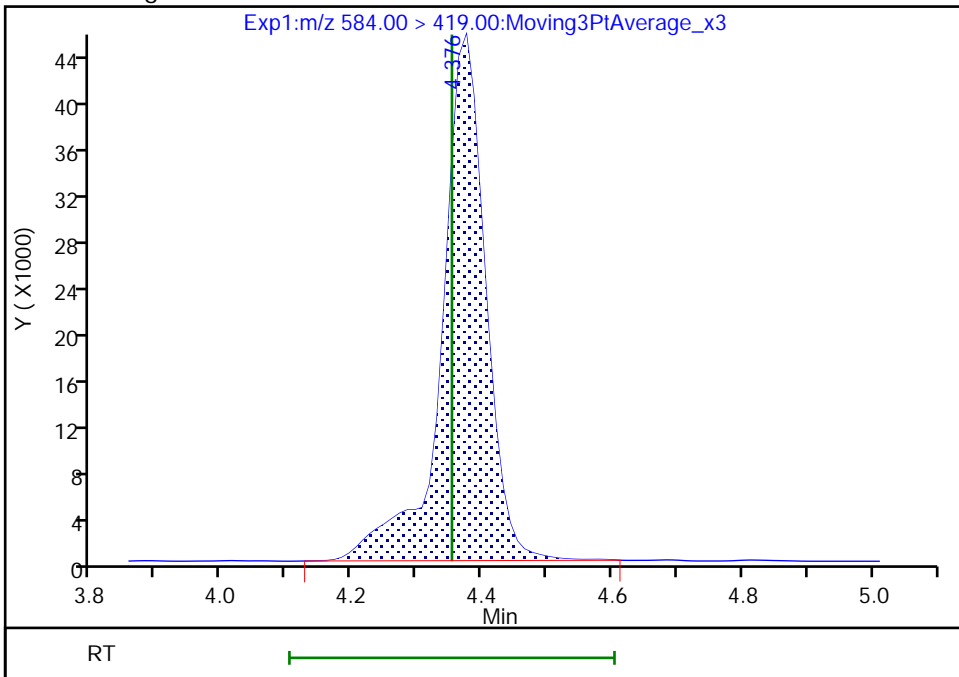
RT: 4.38
Area: 216659
Amount: 1.001163
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 214444
Amount: 0.990928
Amount Units: ng/ml

Manual Integration Results



Reviewer: SJ4N, 02-Sep-2022 17:35:10
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-264366-1
 SDG No.: _____
 Lab Sample ID: CCV 200-183258/16 Calibration Date: 09/02/2022 19:25
 Instrument ID: LC812 Calib Start Date: 08/03/2022 13:00
 GC Column: C-18 ID: 4.60 (mm) Calib End Date: 08/03/2022 13:41
 Lab File ID: PA220902B16.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	0.9697	0.8869		2.29	2.50	-8.5	
Perfluoropentanoic acid (PFPeA)	AveID	1.031	0.9456		2.29	2.50	-8.3	
Perfluorobutanesulfonic acid (PFBS)	AveID	1.104	1.039		2.08	2.21	-5.9	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	2.377	2.573		2.53	2.34	8.3	
Perfluorohexanoic acid (PFHxA)	AveID	1.043	0.9591		2.30	2.50	-8.1	
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.297	1.239		2.24	2.35	-4.4	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.075	0.9555		2.22	2.50	-11.1	
Perfluoroheptanoic acid (PFHpA)	AveID	1.031	0.9917		2.41	2.50	-3.8	
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.103	1.013		2.09	2.28	-8.1	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	4.119	4.215		2.41	2.36	2.3	
6:2 FTS	L1ID		1.662		2.69	2.37	13.4	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.236	1.189		2.29	2.38	-3.8	
Perfluorooctanoic acid (PFOA)	AveID	1.121	1.031		2.30	2.50	-8.1	
Perfluorooctanesulfonic acid (PFOS)	L1ID		0.9782		2.26	2.32	-2.5	30.0
Perfluorononanoic acid (PFNA)	AveID	1.017	0.8986		2.21	2.50	-11.7	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	AveID	1.766	1.918		2.53	2.33	8.6	
Perfluorononanesulfonic acid (PFNS)	AveID	0.7830	0.7749		2.38	2.40	-1.0	
Perfluorodecanoic acid (PFDA)	AveID	1.052	0.998		2.37	2.50	-5.1	
8:2 FTS	AveID	0.9657	1.021		2.53	2.40	5.7	
Perfluorooctanesulfonamide (FOSA)	AveID	1.019	0.9515		2.33	2.50	-6.6	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.8881	0.8983		2.53	2.50	1.2	
Perfluorodecanesulfonic acid (PFDS)	AveID	0.5827	0.5848		2.42	2.41	0.4	
Perfluoroundecanoic acid (PFUnA)	AveID	1.059	0.9847		2.32	2.50	-7.1	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.9079	0.8233		2.27	2.50	-9.3	
11-Chloroeicosafluoro-3-oxundecane-1-sulfonic acid (11Cl-PF)	AveID	2.299	2.658		2.72	2.36	15.6	
Perfluorododecanoic acid (PFDoA)	AveID	1.014	1.000		2.47	2.50	-1.4	
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	AveID	0.4511	0.5038		2.69	2.41	11.7	
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.2587	0.2433		2.28	2.42	-6.0	

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-264366-1
 SDG No.: _____
 Lab Sample ID: CCV 200-183258/16 Calibration Date: 09/02/2022 19:25
 Instrument ID: LC812 Calib Start Date: 08/03/2022 13:00
 GC Column: C-18 ID: 4.60 (mm) Calib End Date: 08/03/2022 13:41
 Lab File ID: PA220902B16.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorotridecanoic acid (PFTriA)	AveID	0.8791	0.9698		2.76	2.50	10.3	
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1602	0.1311		2.05	2.50	-18.2	
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		0.8789		2.44	2.50	-2.5	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.6649	0.6997		2.63	2.50	5.2	
13C4 PFBA	Ave	1.167	1.228		1.32	1.25	5.2	
13C5 PFPeA	Ave	0.8976	0.9414		1.31	1.25	4.9	
13C3 PFBS	Ave	1.039	1.038		1.16	1.16	-0.0	
M2-4:2 FTS	Ave	0.0894	0.0870		1.14	1.17	-2.7	
13C2 PFHxA	Ave	0.8962	0.8914		1.24	1.25	-0.5	
13C3 HFPO-DA	Ave	0.1687	0.1599		1.19	1.25	-5.2	
13C4 PFHpA	Ave	0.9296	0.8745		1.18	1.25	-5.9	50.0
18O2 PFHxS	Ave	0.7305	0.7043		1.14	1.18	-3.6	50.0
M2-6:2 FTS	Ave	0.1223	0.1310		1.27	1.19	7.1	
13C4 PFOA	Ave	0.9525	0.8849		1.16	1.25	-7.1	50.0
13C4 PFOS	Ave	0.5455	0.5144		1.13	1.20	-5.7	50.0
13C5 PFNA	Ave	0.9889	0.9224		1.17	1.25	-6.7	50.0
13C2 PFDA	Ave	0.9624	0.9729		1.26	1.25	1.1	
M2-8:2 FTS	Ave	0.1471	0.1779		1.45	1.20	21.0	
13C8 FOSA	Ave	0.8423	0.8278		1.23	1.25	-1.7	
d3-NMeFOSAA	Ave	0.1290	0.1433		1.39	1.25	11.1	
13C2 PFUnA	Ave	0.7292	0.7015		1.20	1.25	-3.8	
d5-NEtFOSAA	Ave	0.1221	0.1455		1.49	1.25	19.2	
13C2 PFDoA	Ave	0.7556	0.7292		1.21	1.25	-3.5	
13C2 PFTeDA	Ave	0.6177	0.6757		1.37	1.25	9.4	
13C2 PFHxDA	Ave	0.7037	0.6688		1.19	1.25	-5.0	

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
 Lims ID: CCV L5
 Client ID:
 Sample Type: CCV
 Inject. Date: 02-Sep-2022 19:25:52 ALS Bottle#: 16 Worklist Smp#: 16
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: CCV L5
 Misc. Info.: 200-0052318-016 Plate: 1 Rack: 2
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 06-Sep-2022 13:26:28 Calib Date: 03-Aug-2022 13:41:11
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1638

First Level Reviewer: nampitakw Date: 05-Sep-2022 09:48:37

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA	217.00 > 172.00	2.068	2.068	0.0	0.600	2041817	1.32	105	14375	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.068	2.068	0.0	1.000	3621966	2.29		91.5	413	M
D 3 13C5 PFPeA	267.90 > 223.00	2.373	2.374	-0.001	0.688	1564996	1.31	105	4321	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.373	2.374	-0.001	1.000	2959805	2.29		91.7	95.3	
D 47 13C3 PFBS	301.90 > 80.00	2.400	2.387	0.013	0.696	1604329	1.16	99.9	234055	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.400	2.387	0.013	1.000	3168473	2.08	Target=2.23	94.1	2715	M
298.90 > 99.00	2.400	2.387	0.013	1.000	1420818		2.23(1.11-3.34)		1147	M
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.689	2.677	0.012	1.000	695255	2.53		108	3472	
D 60 M2-4:2 FTS	329.00 > 81.00	2.689	2.677	0.012	0.780	135086	1.14	97.3	123	M
D 7 13C2 PFHxA	315.00 > 270.00	2.725	2.713	0.012	0.791	1481949	1.24	99.5	2962	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.725	2.713	0.012	1.000	2842802	2.30	Target=12.24	91.9	697	M
313.00 > 119.00	2.725	2.713	0.012	1.000	212994		13.35(6.12-18.36)		331	
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.725	2.713	0.012	0.883	2722117	2.24	Target=2.95	95.6	2688	
349.00 > 99.00	2.725	2.713	0.012	0.883	849254		3.21(1.48-4.43)		1651	
D 64 13C3 HFPO-DA	287.00 > 169.00	2.835	2.823	0.012	0.822	265868	1.19	94.8	1175	

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	2.823	0.012	1.000	508078	2.22	88.9	2666		
8 Perfluorohexanesulfonic acid	399.00 > 80.00	3.088	3.077	0.011	1.000	2159200	2.09	Target=3.43	91.9	1133	M
399.00 > 99.00	3.088	3.077	0.011	1.000	592582		3.64(1.72-5.15)		683	M	
D 11 18O2 PFHxS	403.00 > 84.00	3.088	3.077	0.011	0.896	1107656	1.14		96.4	2035	
D 9 13C4 PFHpA	367.00 > 322.00	3.088	3.077	0.011	0.896	1453803	1.18		94.1	2452	
10 Perfluoroheptanoic acid	363.00 > 319.00	3.088	3.077	0.011	1.000	2883519	2.41	Target=3.73	96.2	727	M
363.00 > 169.00	3.088	3.077	0.011	1.000	745866		3.87(1.86-5.59)		1316	M	
77 DONA	377.00 > 251.00	3.132	3.110	0.022	0.834	6790743	2.41	Target=2.84	102	2189	M
377.00 > 85.00	3.132	3.110	0.022	0.834	2330450		2.91(1.42-4.26)		2135	M	
D 12 M2-6:2 FTS	429.00 > 81.00	3.430	3.422	0.008	0.995	206813	1.27		107	493	
13 1H,1H,2H,2H-perfluorooctanesulfo	427.00 > 407.00	3.430	3.422	0.008	1.000	686107	2.69		113	731	
16 Perfluoroheptanesulfonic acid	449.00 > 80.00	3.430	3.422	0.008	0.914	1935268	2.29	Target=4.89	96.2	1993	M
449.00 > 99.00	3.430	3.422	0.008	0.914	364127		5.31(2.44-7.33)		1074		
D 14 13C4 PFOA	417.00 > 372.00	3.439	3.430	0.009	0.997	1471058	1.16		92.9	3204	M
* 62 13C2 PFOA	415.00 > 370.00	3.448	3.430	0.018		1662430	1.25			4252	
15 Perfluorooctanoic acid	413.00 > 369.00	3.439	3.430	0.009	1.000	3032726	2.30	Target=2.67	91.9	180	M
413.00 > 169.00	3.439	3.430	0.009	1.000	1111371		2.73(1.34-4.01)		1003	M	
D 18 13C4 PFOS	503.00 > 80.00	3.754	3.745	0.009	1.089	817545	1.13		94.3	1837	
17 Perfluorooctanesulfonic acid	499.00 > 80.00	3.764	3.745	0.019	1.003	1552625	2.26	Target=4.88	97.5	1247	M
499.00 > 99.00	3.754	3.745	0.009	1.000	309857		5.01(2.44-7.32)		896	M	
D 19 13C5 PFNA	468.00 > 423.00	3.783	3.764	0.019	1.097	1533491	1.17		93.3	3182	
20 Perfluorononanoic acid	463.00 > 419.00	3.783	3.764	0.019	1.000	2755863	2.21	Target=8.23	88.3	674	M
463.00 > 169.00	3.783	3.764	0.019	1.000	340425		8.10(4.11-12.34)		1426	M	
69 9-Chlorohexadecafluoro-3-oxanona	531.00 > 351.00	3.928	3.916	0.012	1.046	3057305	2.53		109	3168	M
68 Perfluorononanesulfonic acid	549.00 > 80.00	4.051	4.042	0.009	1.079	1272326	2.38	Target=2.53	99.0	3734	M
549.00 > 99.00	4.051	4.042	0.009	1.079	474805		2.68(1.26-3.79)		1697	M	
D 23 13C2 PFDA	515.00 > 470.00	4.081	4.061	0.020	1.184	1617436	1.26		101	2704	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	4.061	0.020	1.000	3227411	2.37	Target=9.67	94.9	1159	M
513.00 > 169.00	4.081	4.061	0.020	1.000	308680		10.46(4.83-14.50)		592	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.093	4.071	0.022	1.187	283385	1.45		121	798	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.093	4.071	0.022	1.000	578526	2.53		106	1059	
D 21 13C8 FOSA										
506.00 > 78.00	4.138	4.127	0.011	1.200	1376234	1.23		98.3	2485	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.138	4.127	0.011	1.000	2619083	2.33		93.4	2148	
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.228	4.207	0.021	1.226	238166	1.39		111	483	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.228	4.218	0.010	1.000	427909	2.53		101	754	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.319	4.308	0.011	1.151	964254	2.42	Target=2.80	100	2584	
599.00 > 99.00	4.319	4.308	0.011	1.151	371926		2.59(1.40-4.20)		3143	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.353	4.342	0.011	1.263	1166243	1.20		96.2	3699	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.353	4.342	0.011	1.000	2296690	2.32	Target=9.07	92.9	1044	
563.00 > 169.00	4.353	4.342	0.011	1.000	235862		9.74(4.54-13.61)		1840	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.365	4.342	0.023	1.266	241926	1.49		119	908	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.365	4.354	0.011	1.000	398333	2.27		90.7	884	M
66 11-Chloroeicosafuoro-3-oxaundec										M
631.00 > 451.00	4.454	4.432	0.022	1.186	4282436	2.72		116	2234	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.591	4.580	0.011	1.332	1212193	1.21		96.5	2881	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.591	4.580	0.011	1.000	2424971	2.47	Target=6.97	98.6	324	M
613.00 > 169.00	4.591	4.580	0.011	1.000	319808		7.58(3.48-10.45)		796	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.612	4.602	0.010	1.127	287352	2.69		112	1131	M
75 Perfluorododecanesulfonic acid (M
699.00 > 80.00	4.767	4.758	0.009	1.270	402779	2.28	Target=0.52	94.0	1447	M
699.00 > 99.00	4.767	4.758	0.009	1.270	775493		0.52(0.26-0.79)		1424	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.803	4.785	0.018	1.046	2351057	2.76	Target=4.56	110	330	M
663.00 > 169.00	4.803	4.785	0.018	1.046	446667		5.26(2.28-6.84)		1548	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.002	4.992	0.010	1.451	1123244	1.37		109	1581	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.002	4.992	0.010	1.000	294519	2.05	Target=0.94	81.8	1017	M
713.00 > 219.00	5.002	4.992	0.010	1.000	308433		0.95(0.47-1.41)		1027	M

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	5.344	0.022	1.557	1111863	1.19		95.0	3052	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.366	5.344	0.022	1.000	1954496	2.44	Target=4.38	97.5	347	
813.00 > 169.00	5.366	5.344	0.022	1.000	387710		5.04(2.19-6.57)		2203	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.722	5.695	0.027	1.066	1555896	2.63	Target=4.31	105	317	M
913.00 > 169.00	5.713	5.695	0.018	1.065	304127		5.12(2.16-6.47)		917	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC5_00028

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromf\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d

Injection Date: 02-Sep-2022 19:25:52

Instrument ID: LC812

Lims ID: CCV L5

Client ID:

Operator ID: lc812tech

ALS Bottle#: 16

Worklist Smp#: 16

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

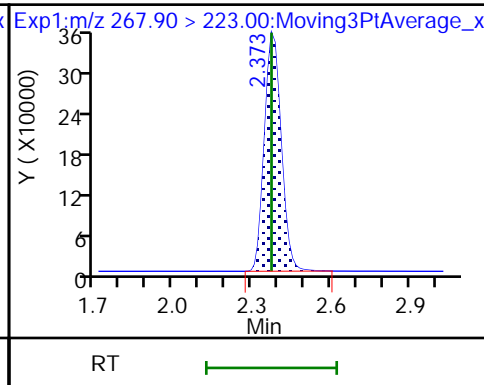
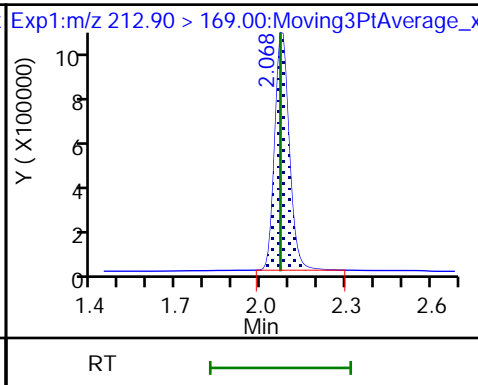
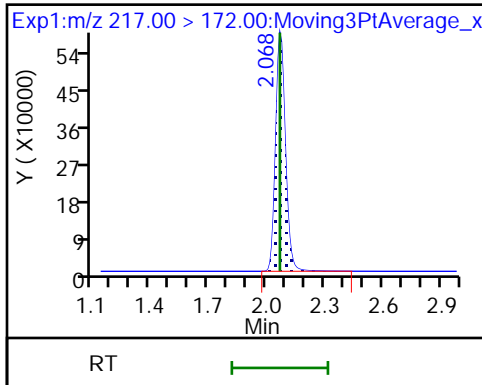
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

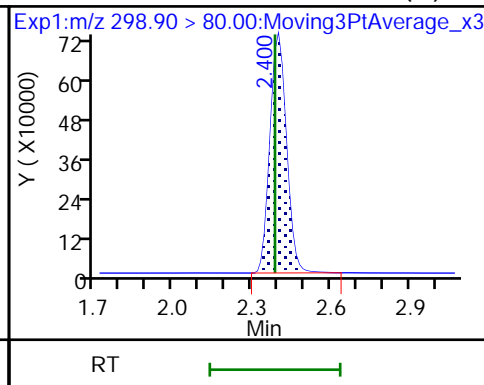
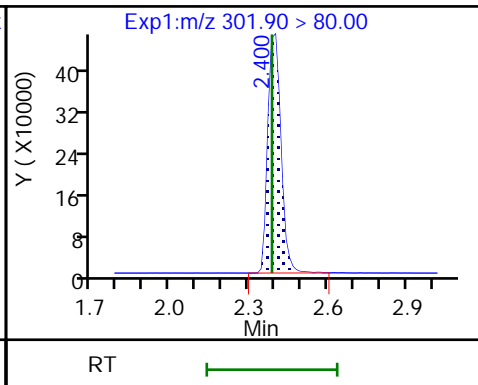
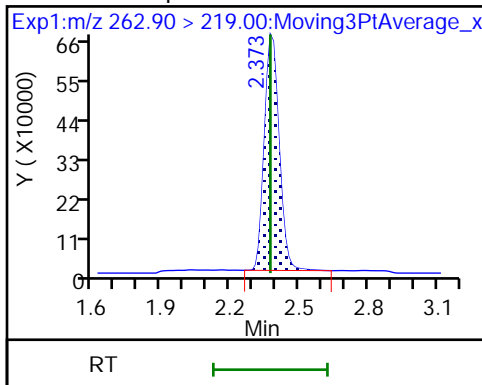
D 3 13C5 PFPeA



4 Perfluoropentanoic acid

D 47 13C3 PFBS

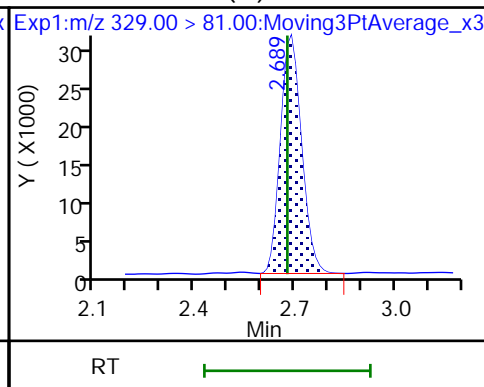
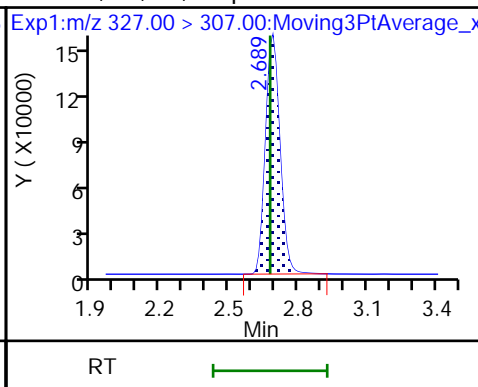
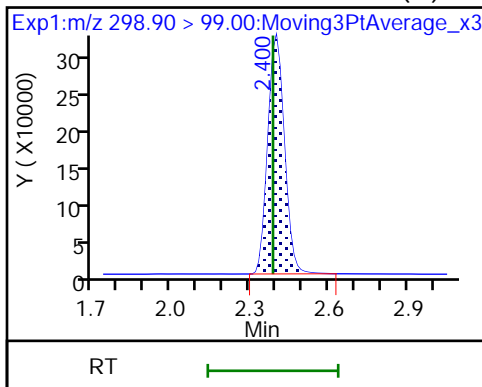
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

61 1H,1H,2H,2H-perfluorohexanesulfo

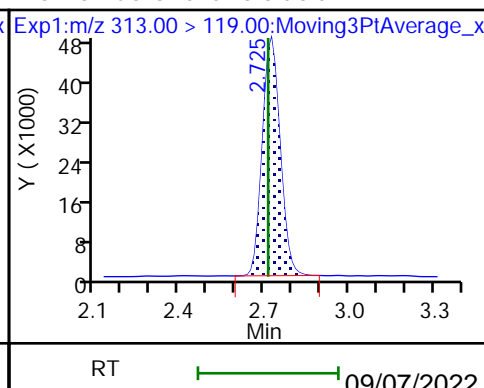
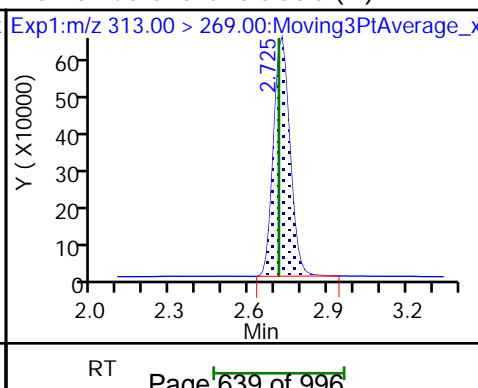
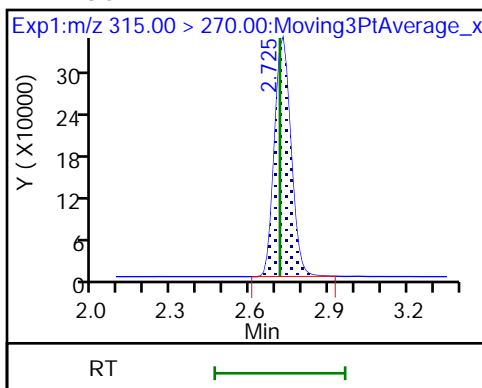
D 60 M2-4:2 FTS (M)

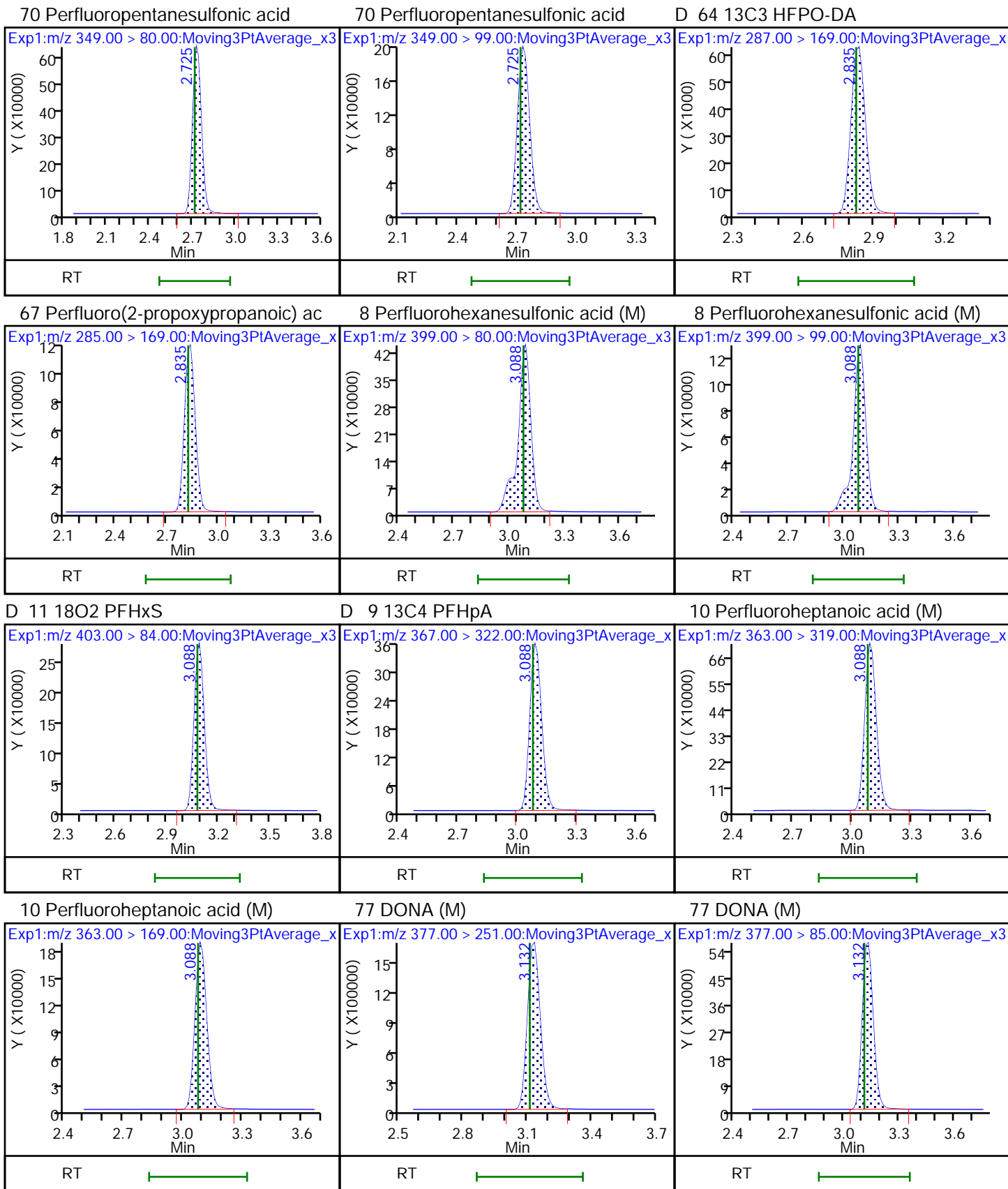


D 7 13C2 PFHxA

6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid

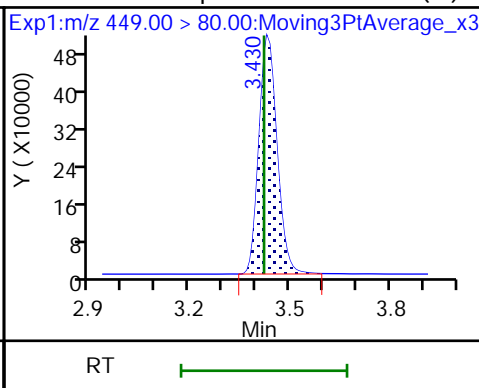
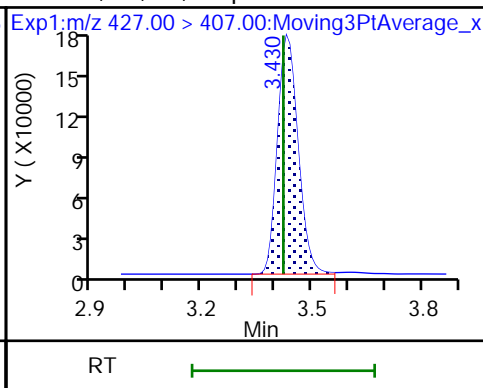
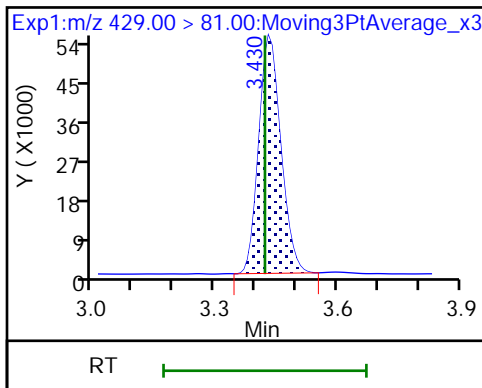




D 12 M2-6:2 FTS

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

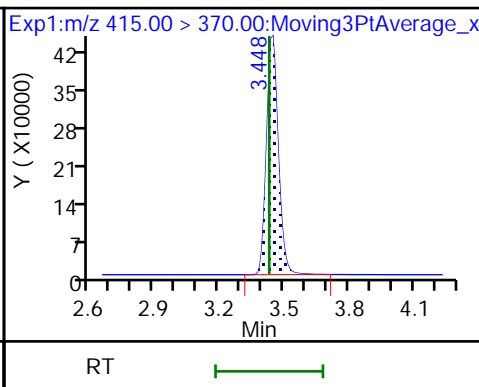
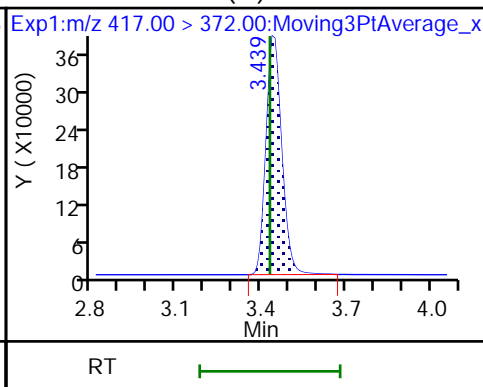
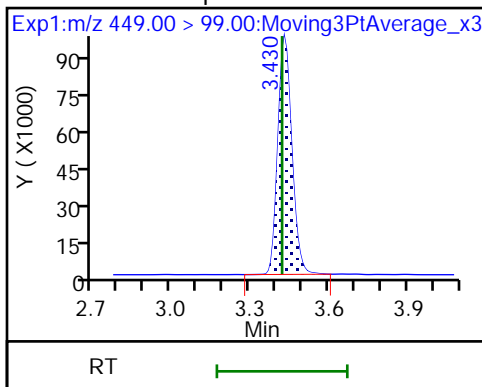
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid

D 14 13C4 PFOA (M)

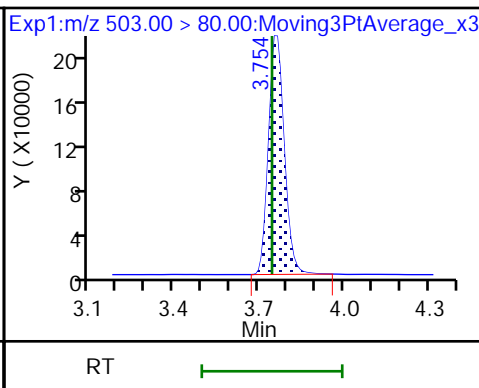
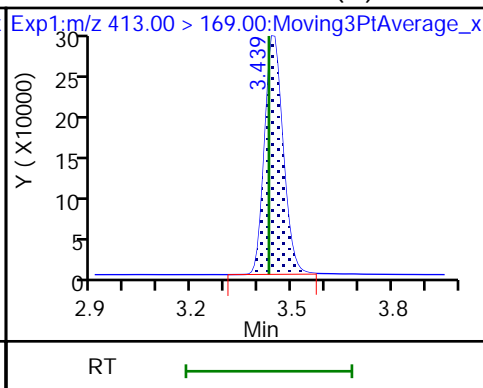
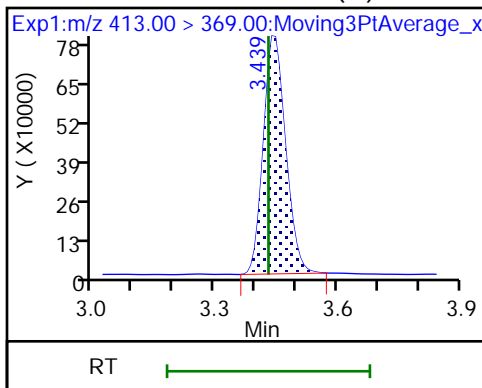
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

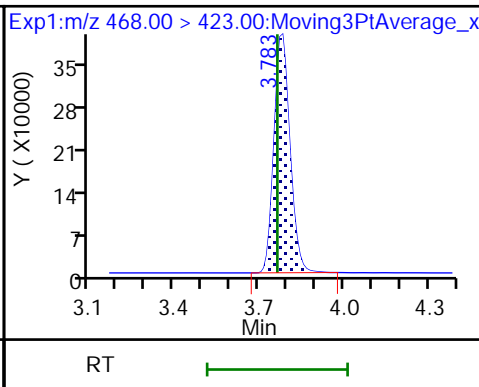
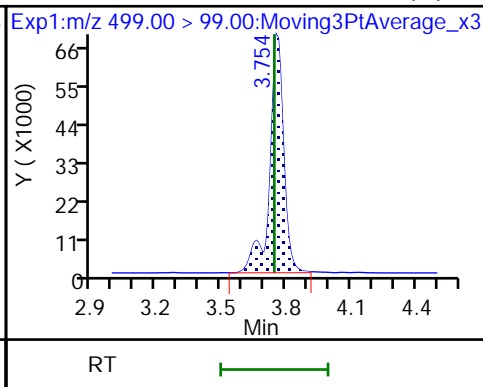
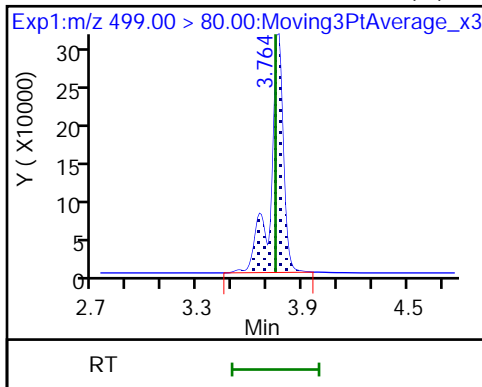
D 18 13C4 PFOS

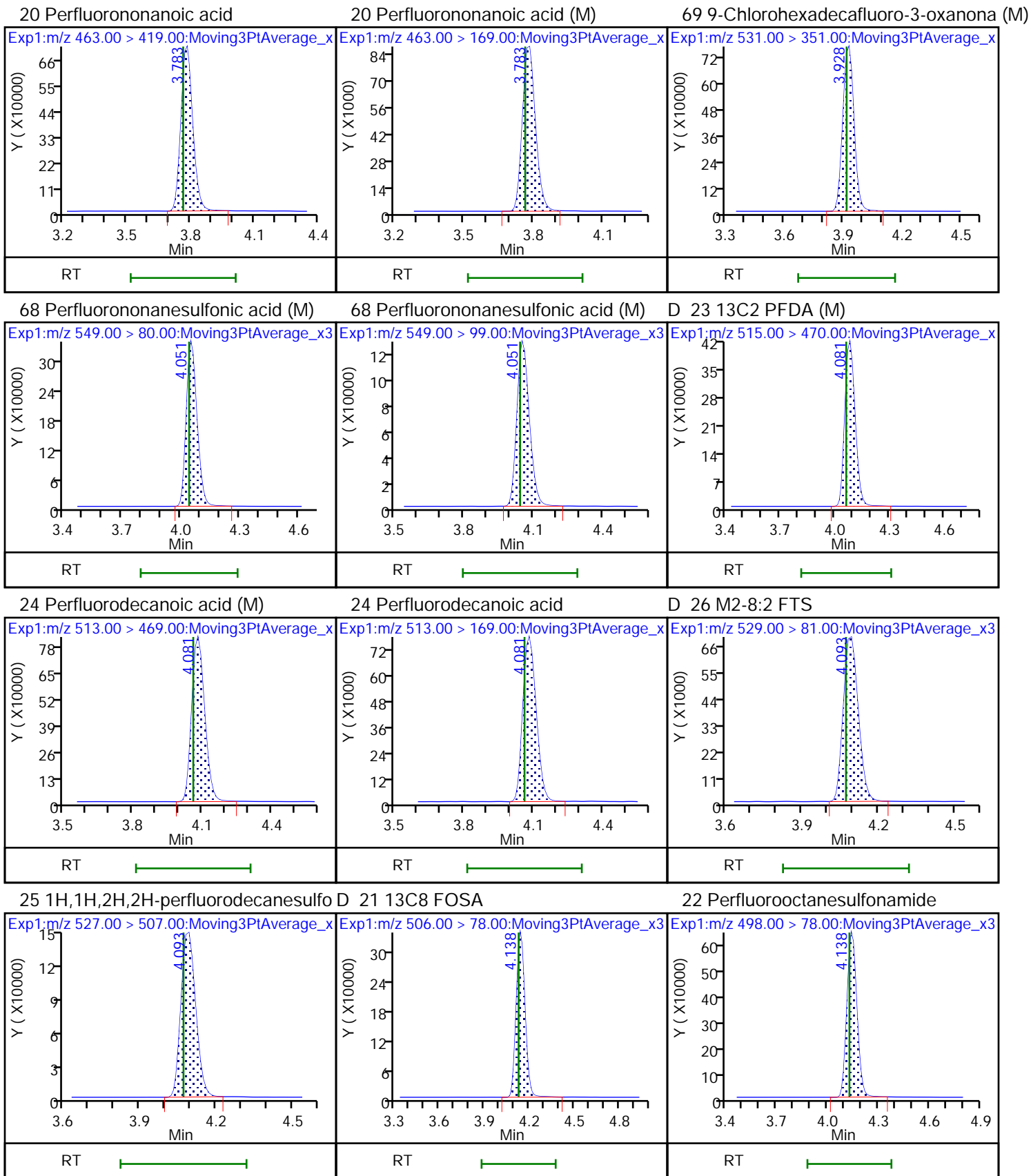


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

D 19 13C5 PFNA

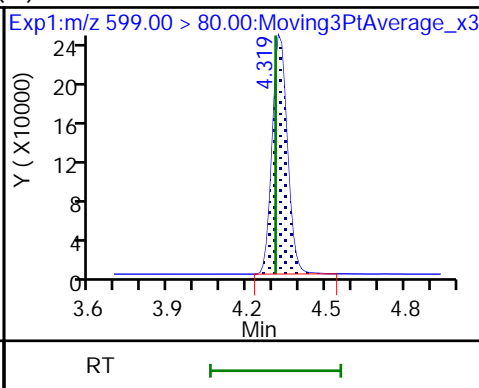
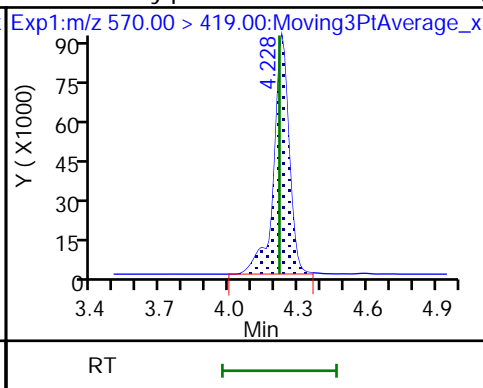
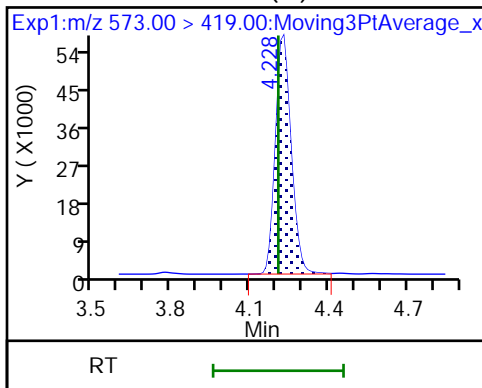




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

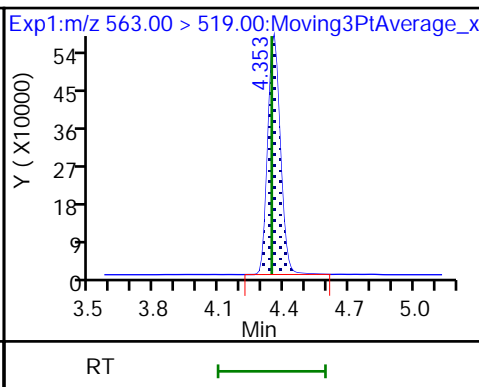
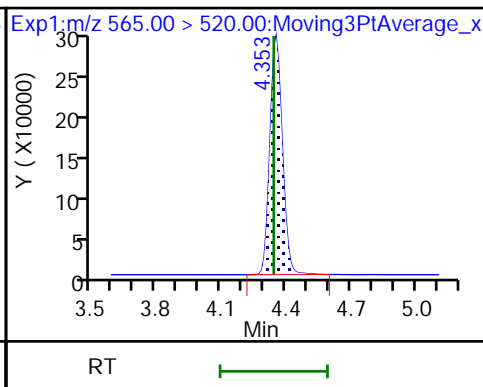
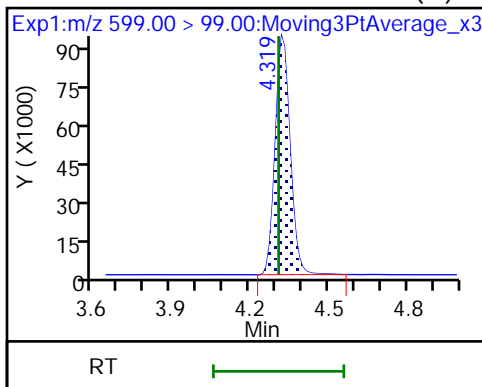
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUoA

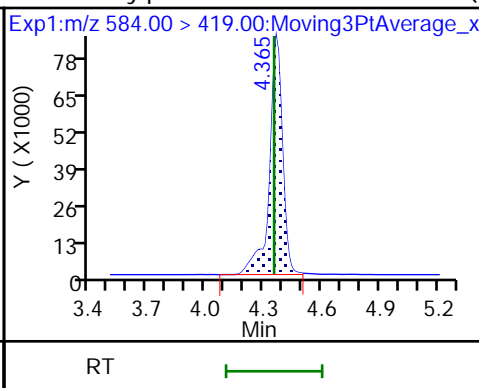
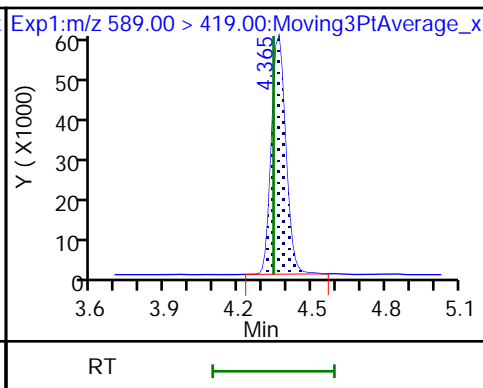
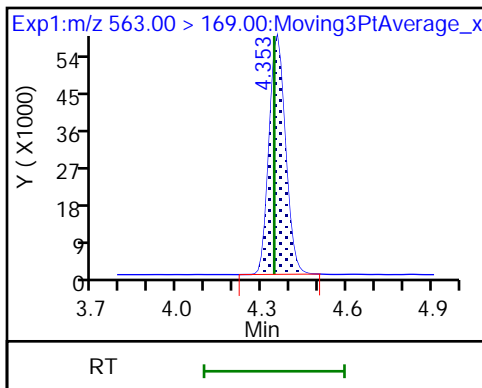
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid

D 32 d5-NEtFOSAA

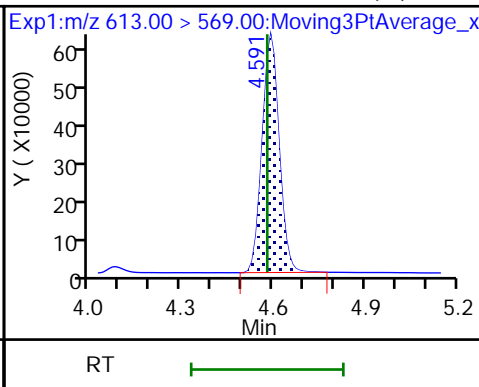
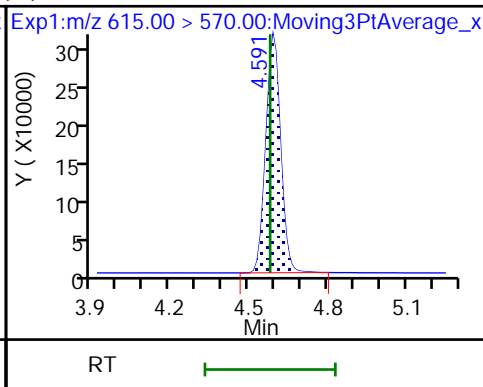
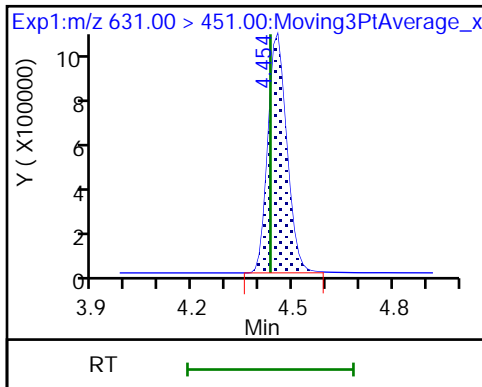
33 N-ethylperfluorooctanesulfonamid (M)



66 11-Chloroeicosafuoro-3-oxaundec (M)

36 13C2 PFDoA

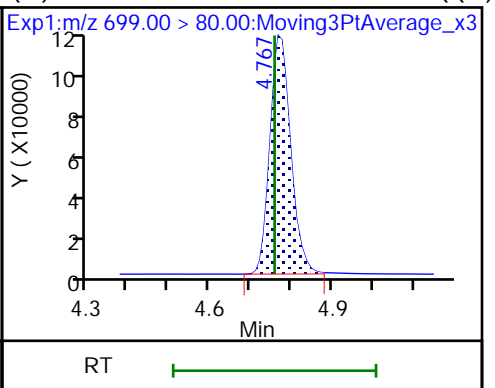
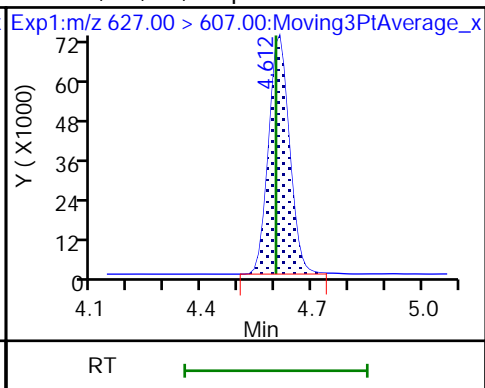
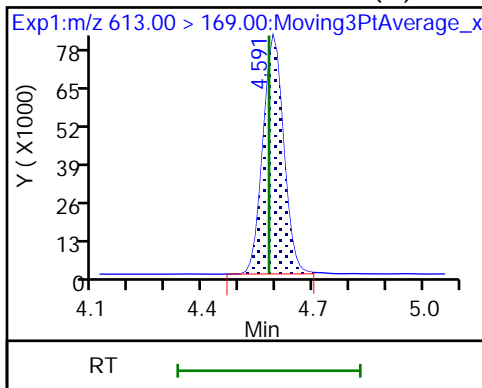
37 Perfluorododecanoic acid (M)



37 Perfluorododecanoic acid (M)

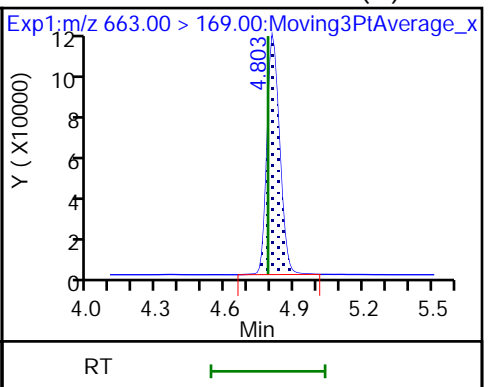
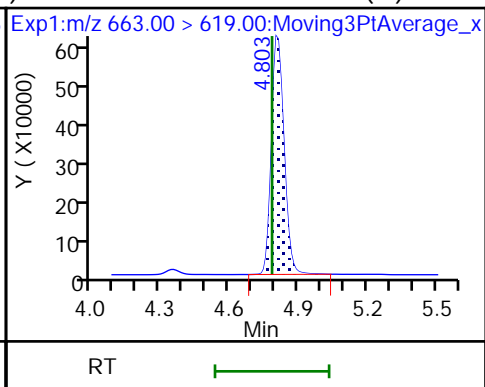
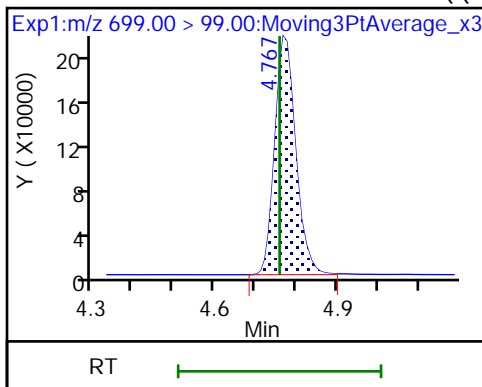
74 1H,1H,2H,2H-perfluorododecanesul (M)

75 Perfluorododecanesulfonic acid (M)



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

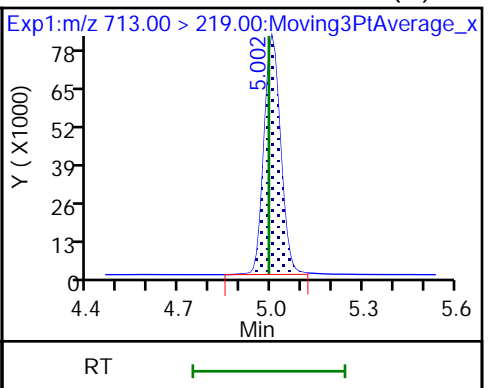
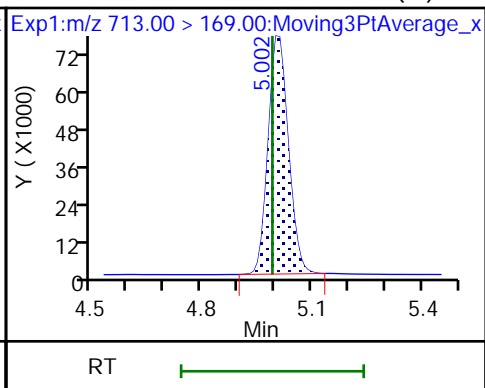
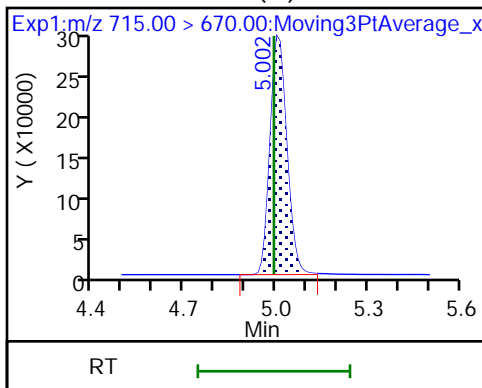
41 Perfluorotridecanoic acid (M)



D 43 13C2 PFTeDA (M)

42 Perfluorotetradecanoic acid (M)

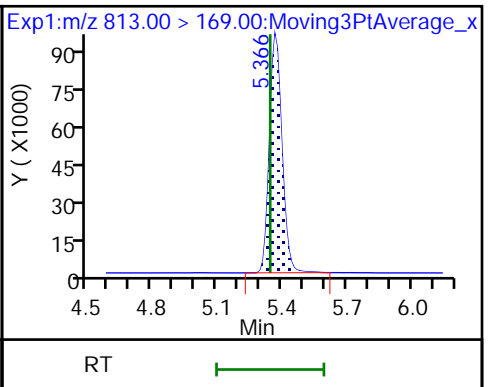
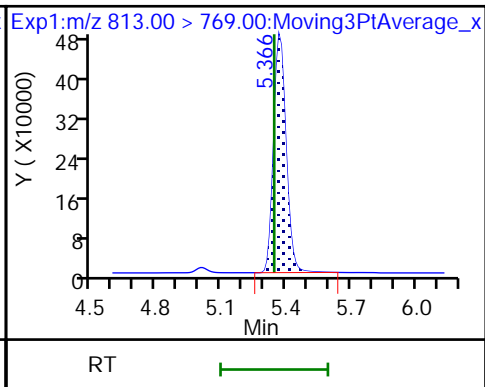
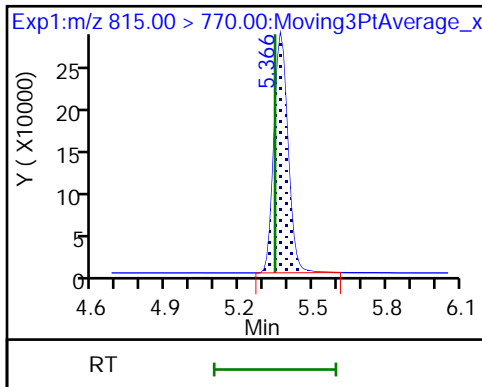
42 Perfluorotetradecanoic acid (M)



D 44 13C2 PFHxDA

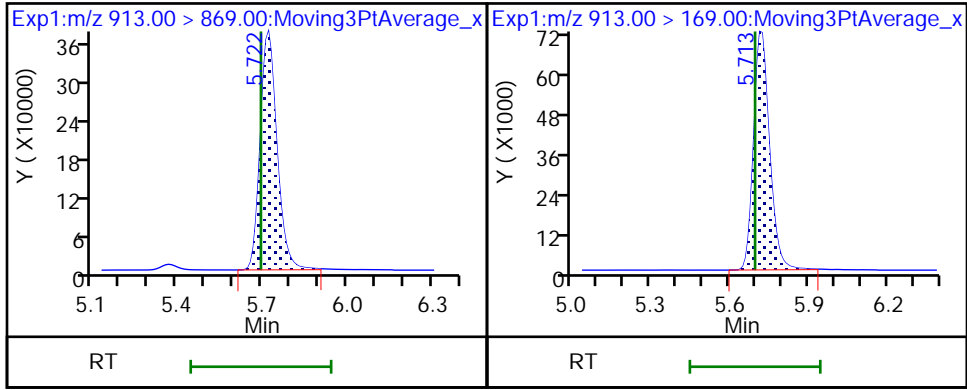
45 Perfluorohexadecanoic acid

45 Perfluorohexadecanoic acid



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

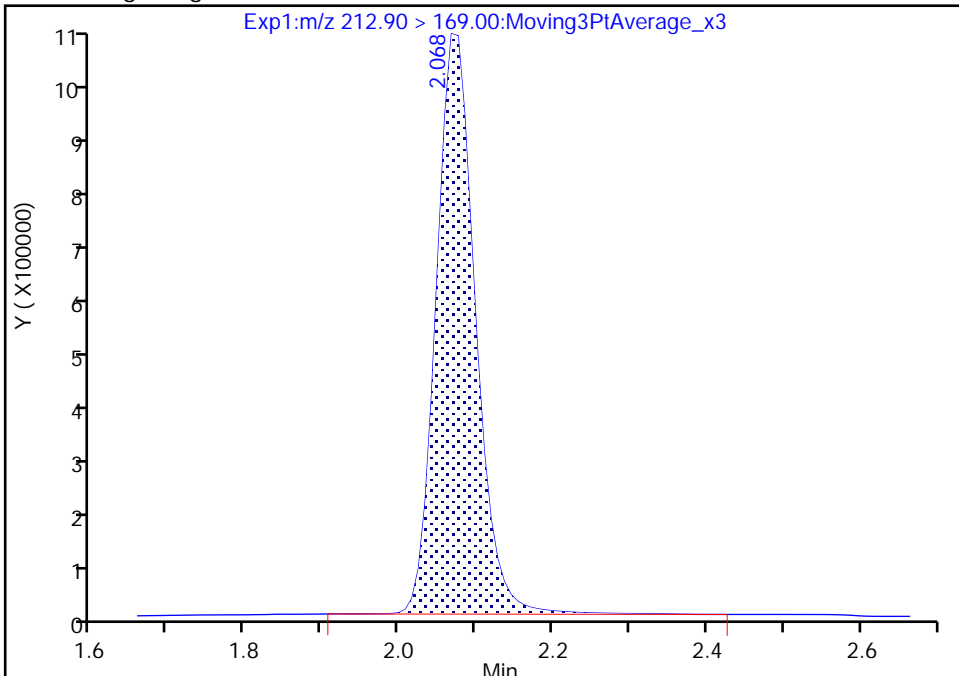
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

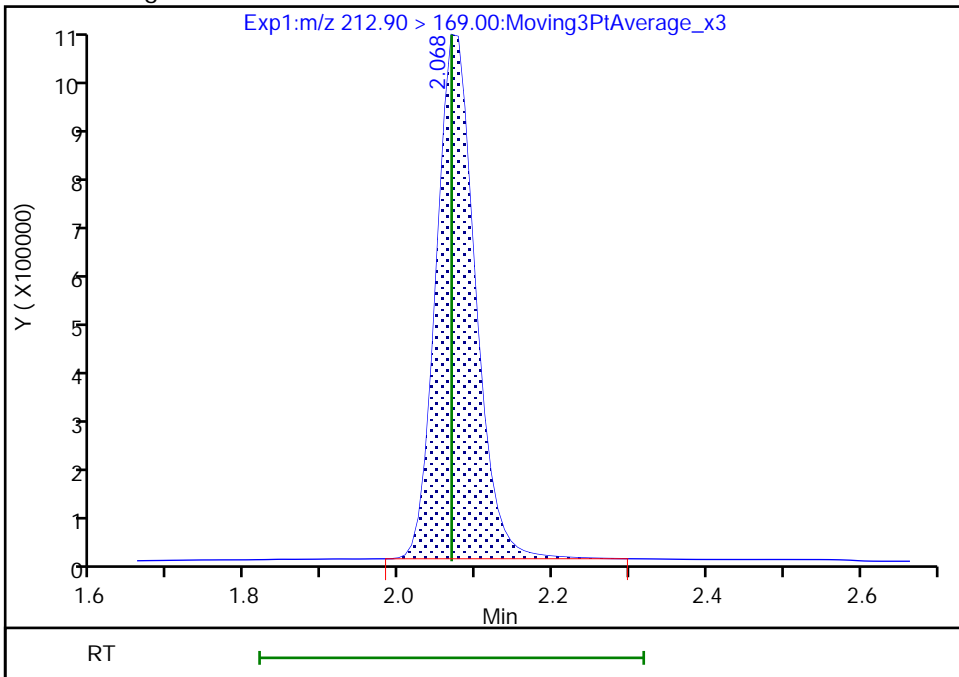
RT: 2.07
Area: 3645147
Amount: 2.301310
Amount Units: ng/ml

Processing Integration Results



RT: 2.07
Area: 3621966
Amount: 2.286675
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:43:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

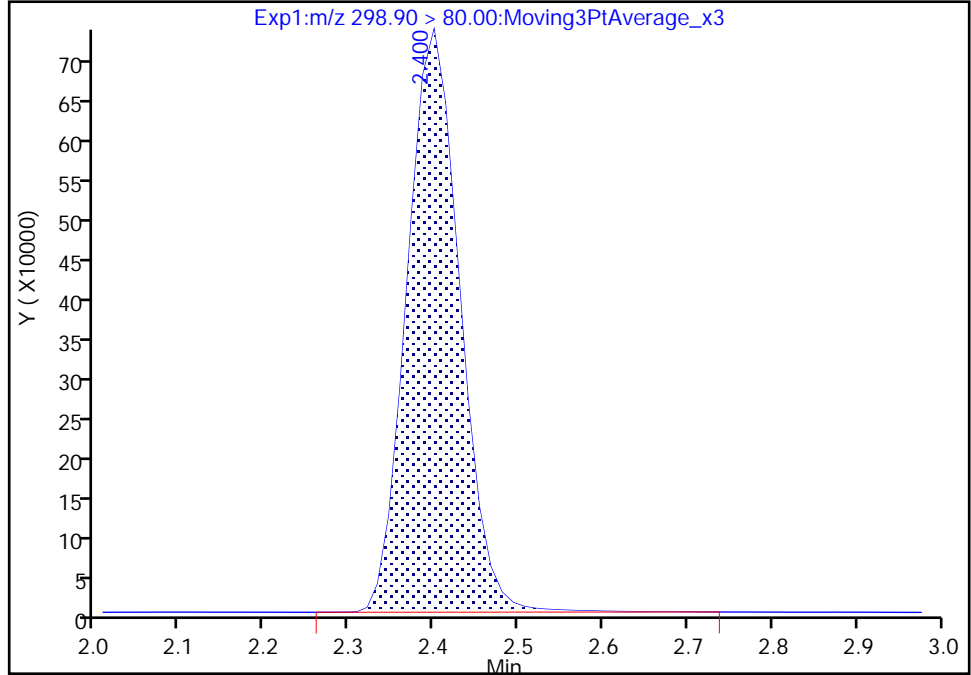
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

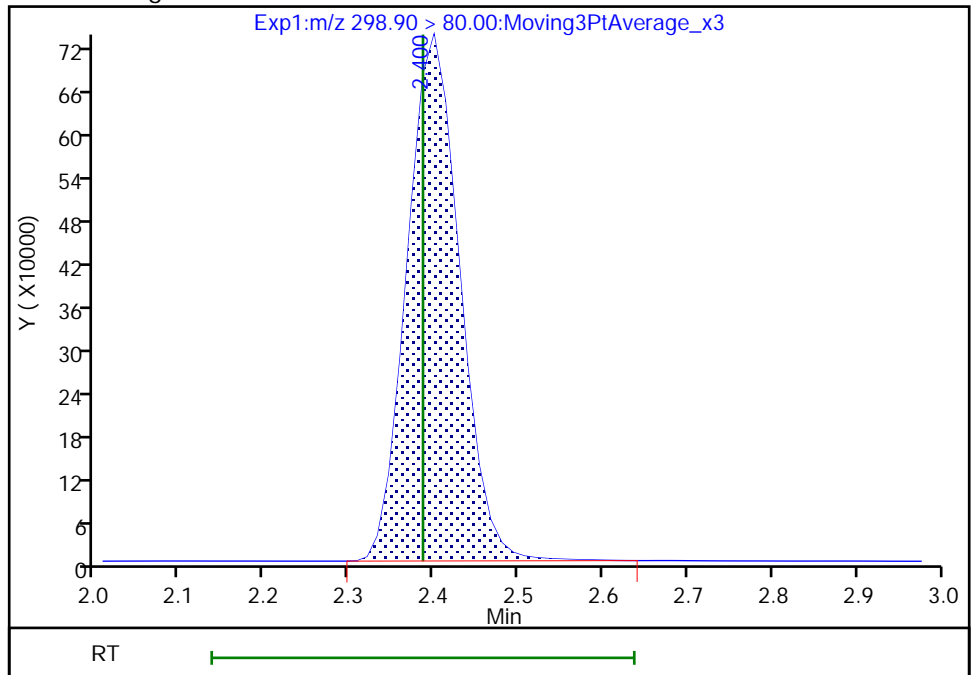
RT: 2.40
Area: 3175236
Amount: 2.084338
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 3168473
Amount: 2.079898
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:43:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

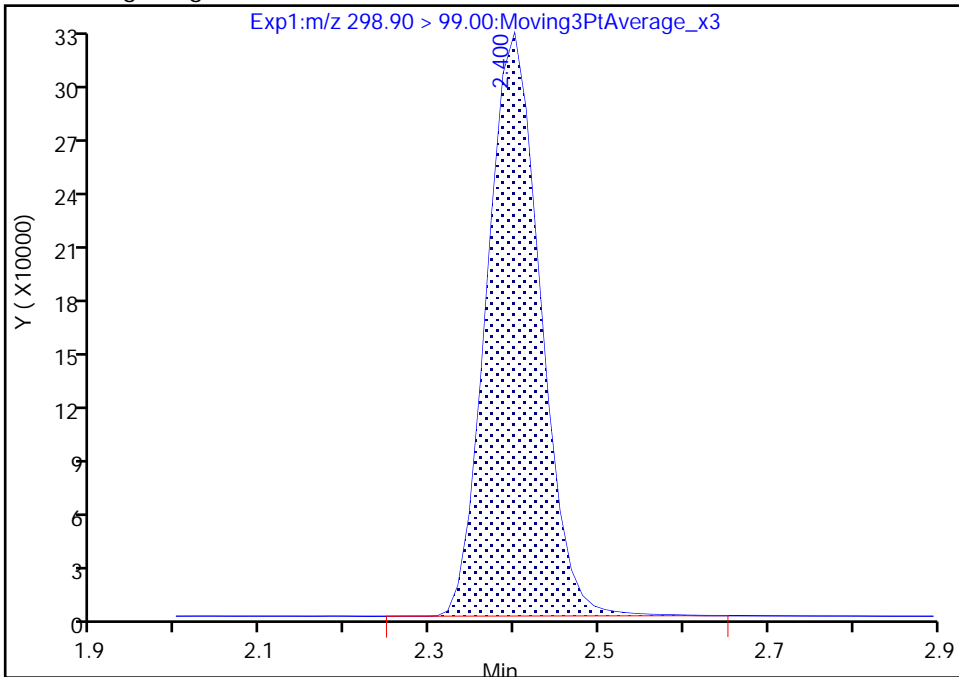
Data File:	\\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d		
Injection Date:	02-Sep-2022 19:25:52	Instrument ID:	LC812
Lims ID:	CCV L5		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	16

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

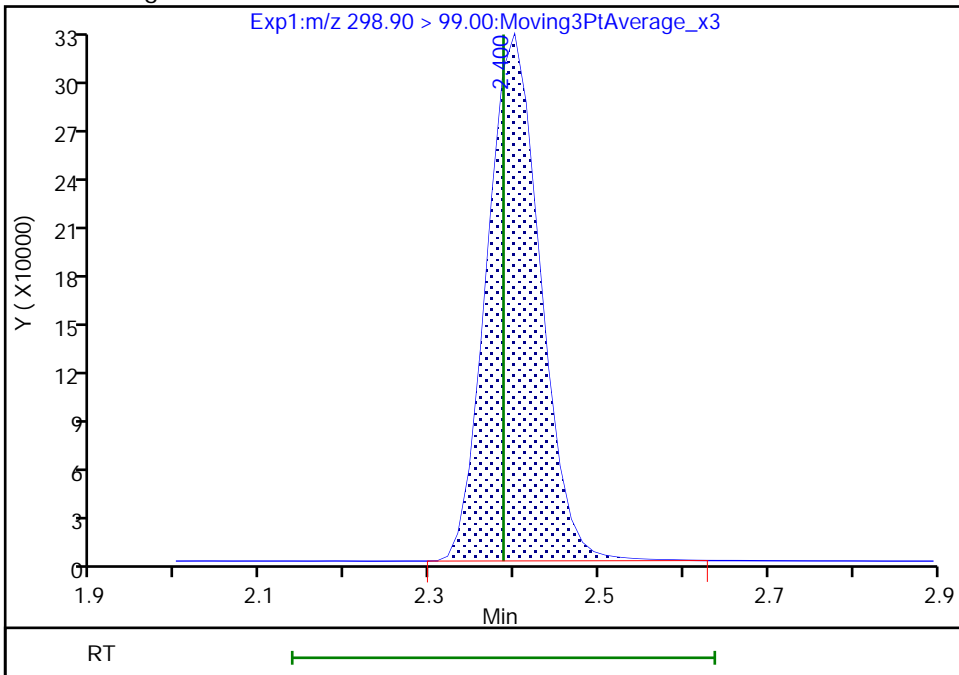
Processing Integration Results

RT: 2.40
 Area: 1421346
 Amount: 2.084338
 Amount Units: ng/ml



Manual Integration Results

RT: 2.40
 Area: 1420818
 Amount: 2.079898
 Amount Units: ng/ml



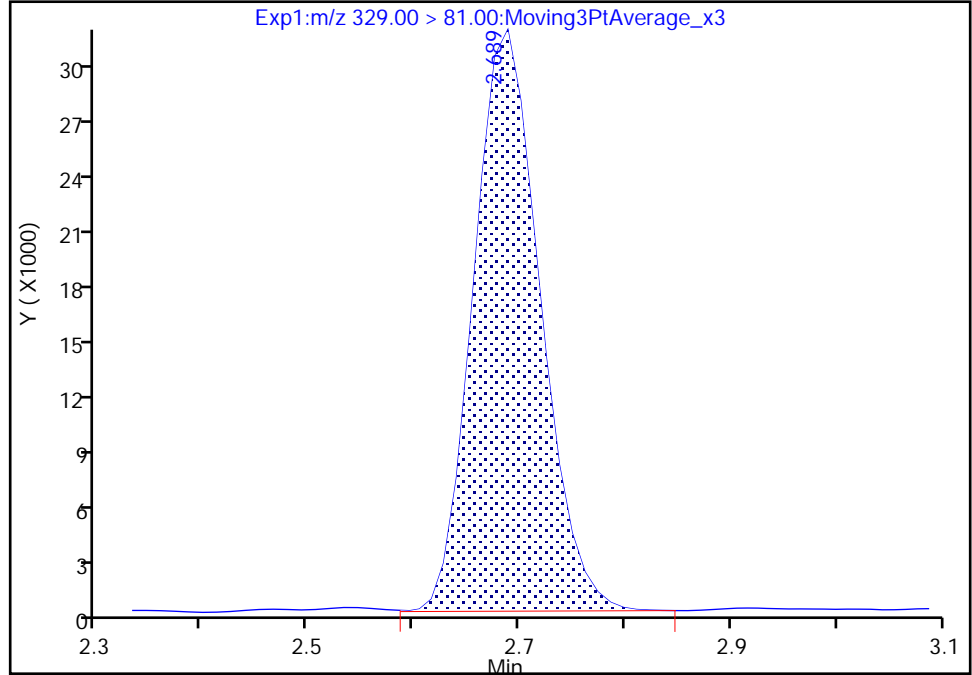
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 60 M2-4:2 FTS, CAS: STL02395
Signal: 1

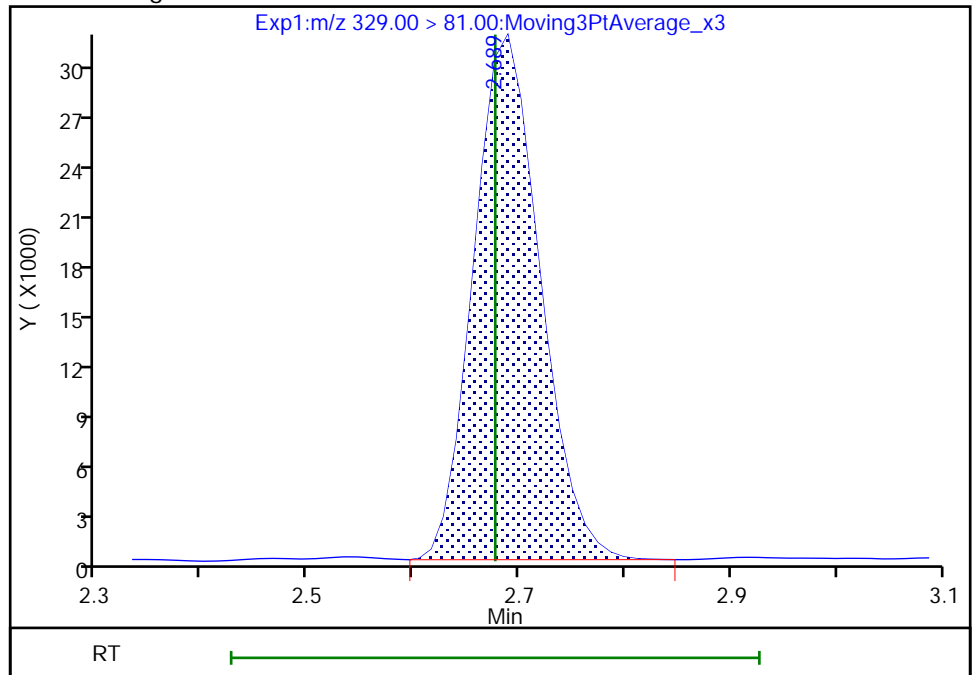
RT: 2.69
Area: 135453
Amount: 1.139021
Amount Units: ng/ml

Processing Integration Results



RT: 2.69
Area: 135086
Amount: 1.135935
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:42:28
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

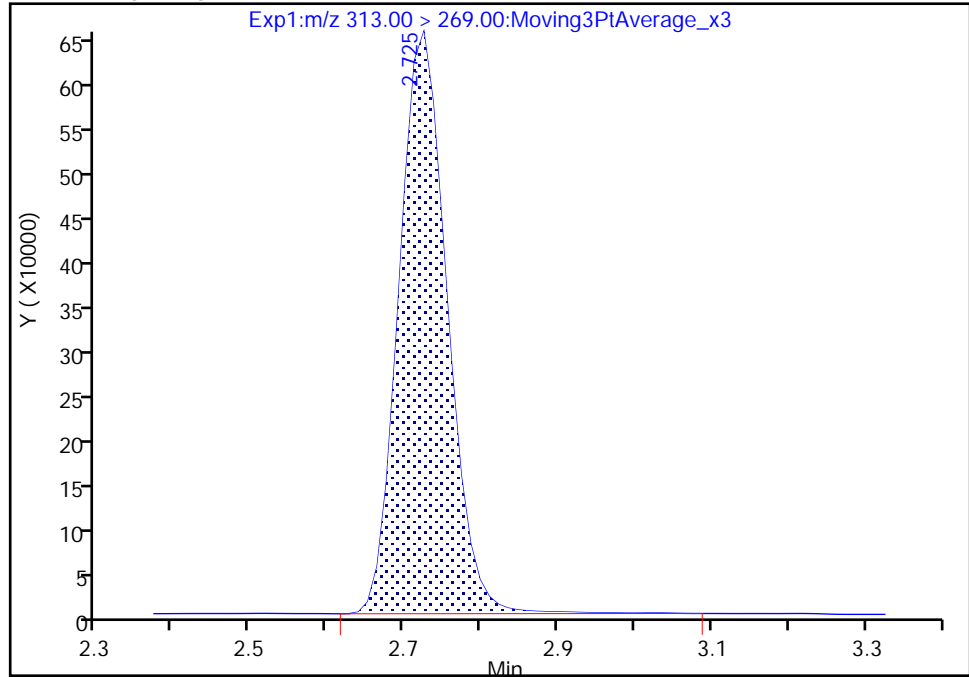
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

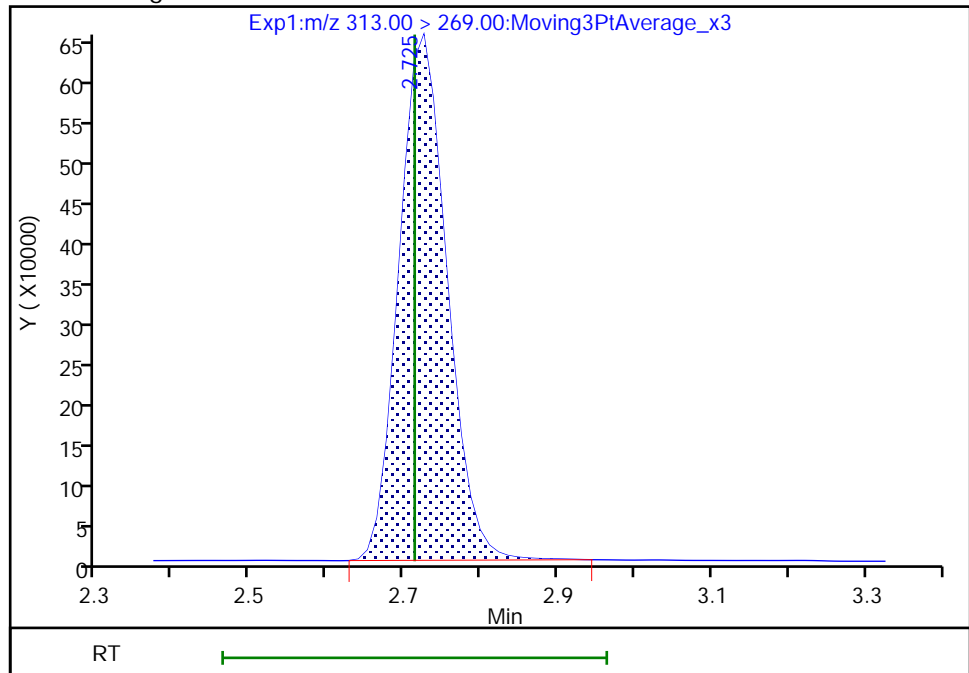
RT: 2.73
Area: 2858393
Amount: 2.310592
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 2842802
Amount: 2.297989
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:43:52
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

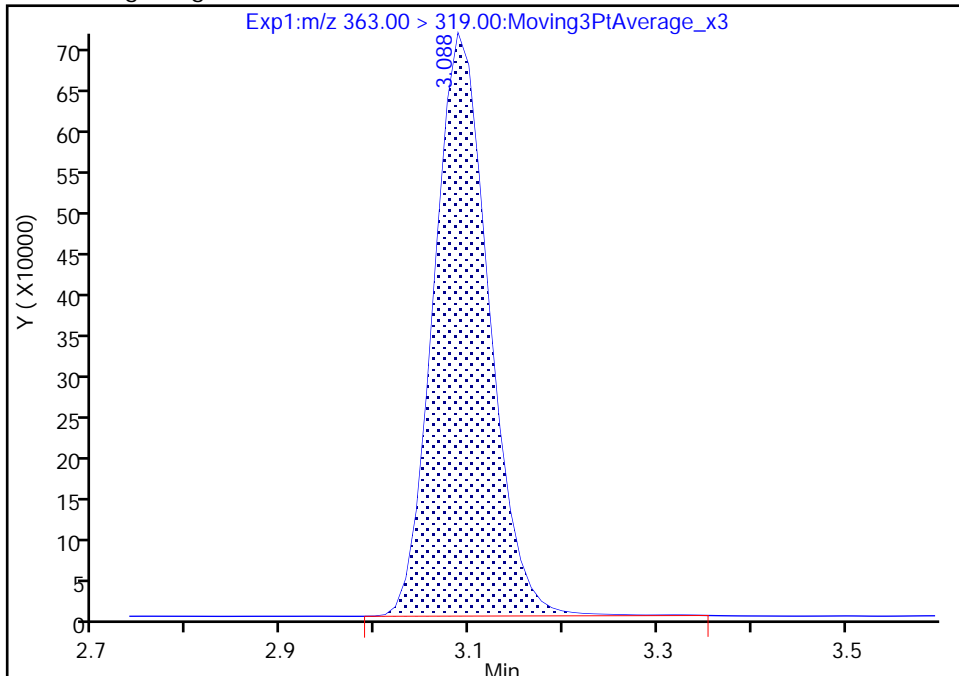
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

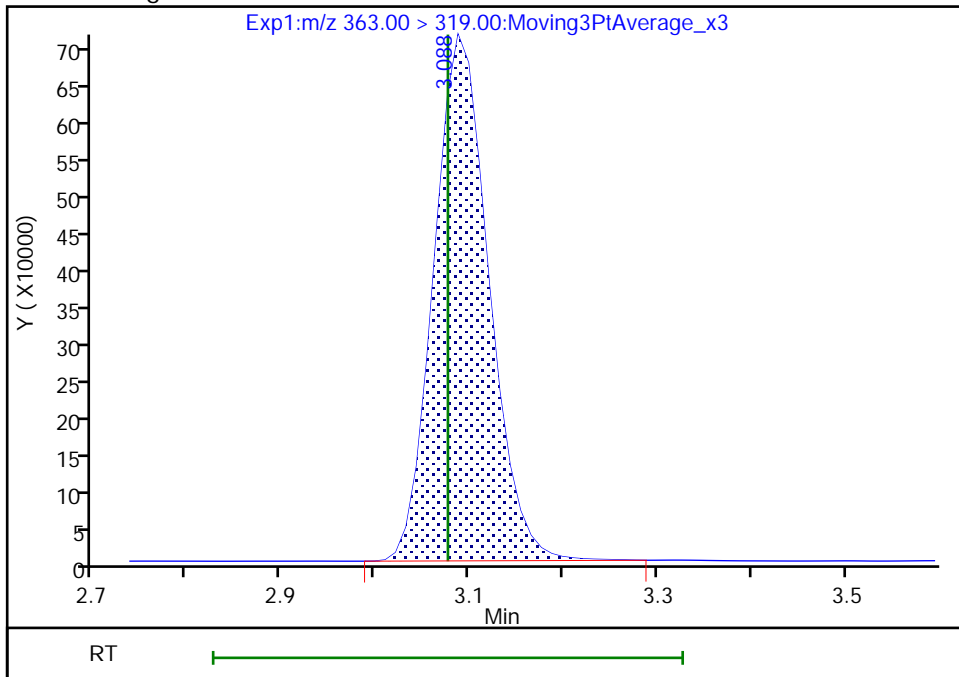
RT: 3.09
Area: 2889441
Amount: 2.410619
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 2883519
Amount: 2.405678
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:44:29
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

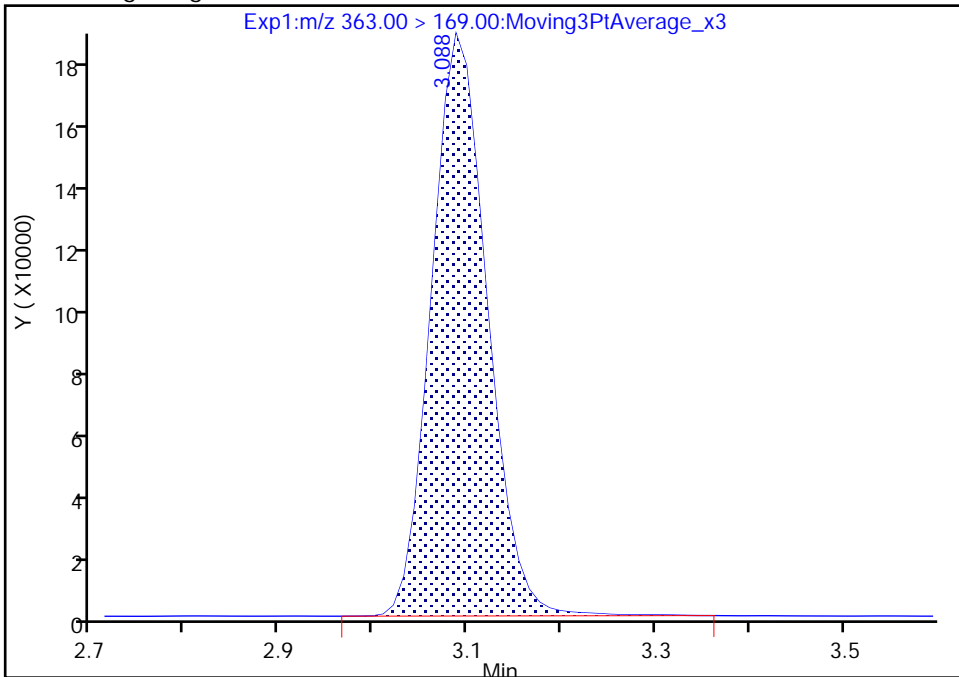
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

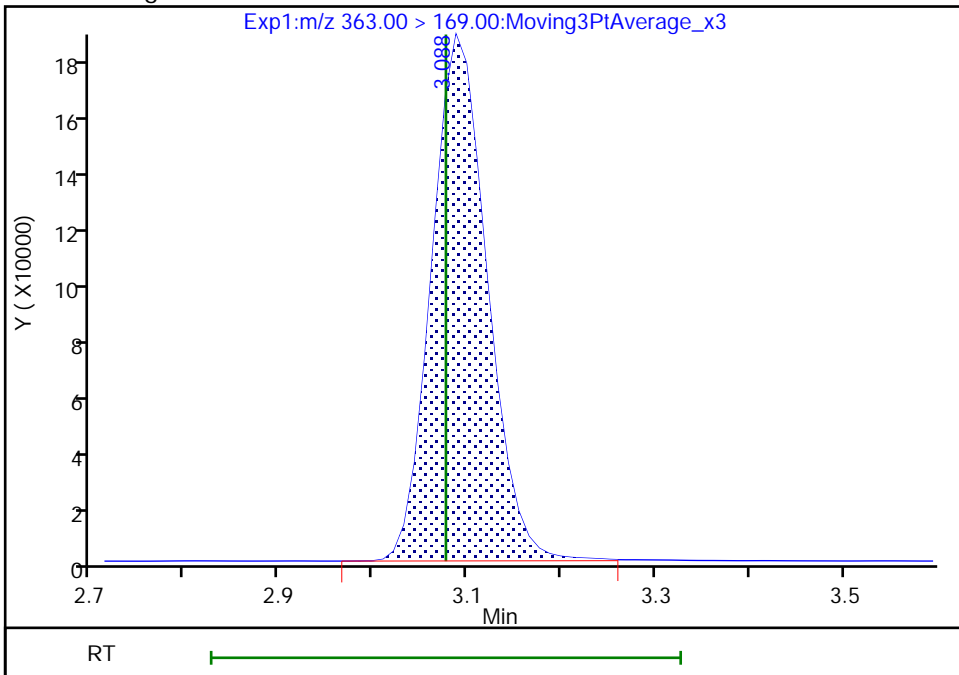
RT: 3.09
Area: 746944
Amount: 2.410619
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 745866
Amount: 2.405678
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:44:35

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

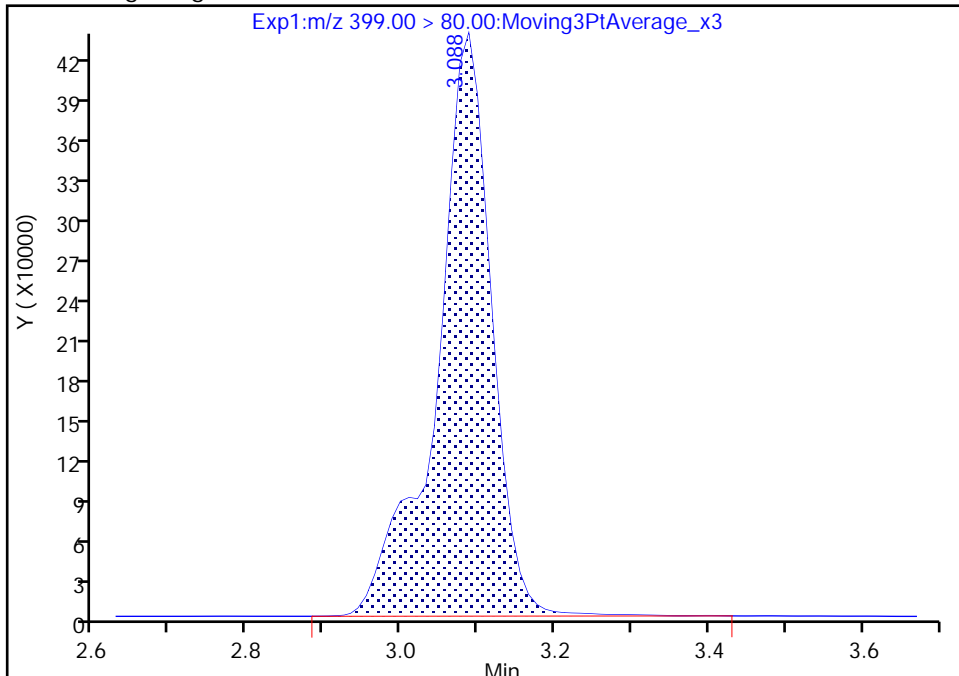
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

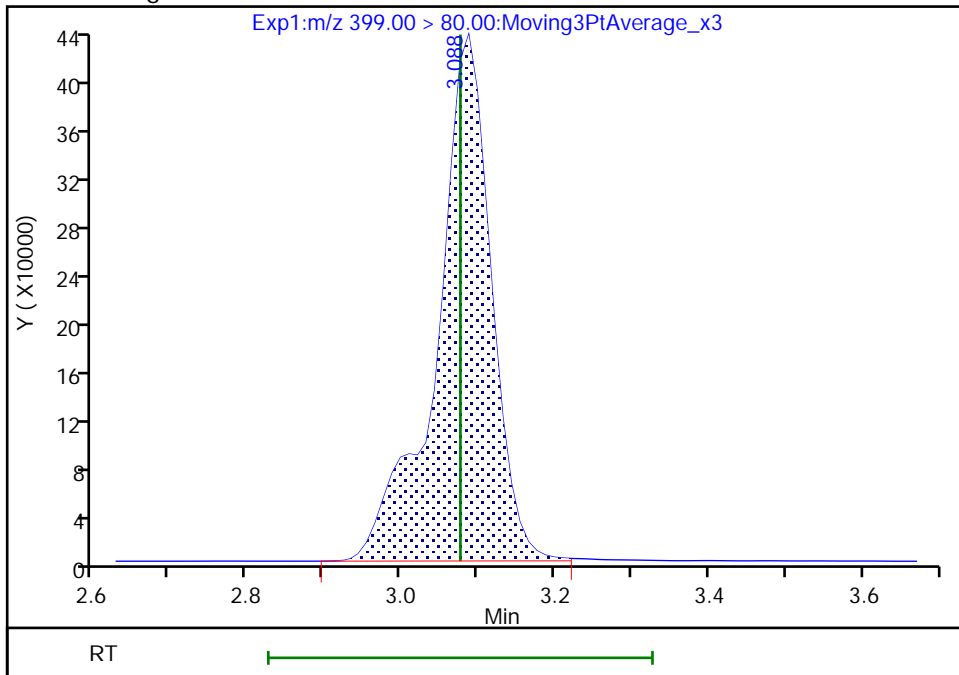
RT: 3.09
Area: 2168258
Amount: 2.098723
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 2159200
Amount: 2.089956
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:44:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

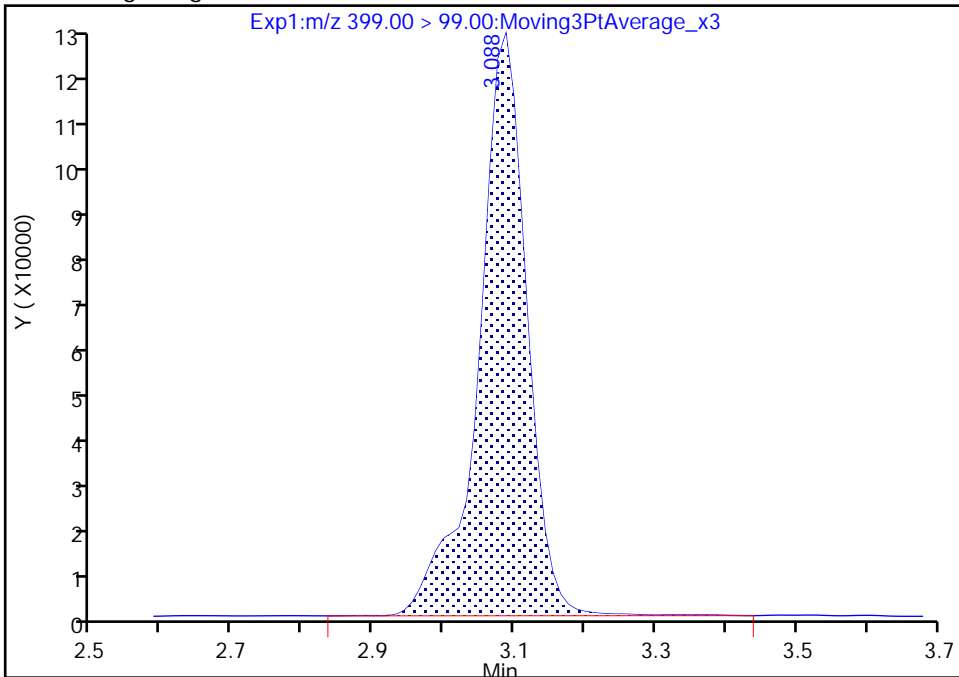
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

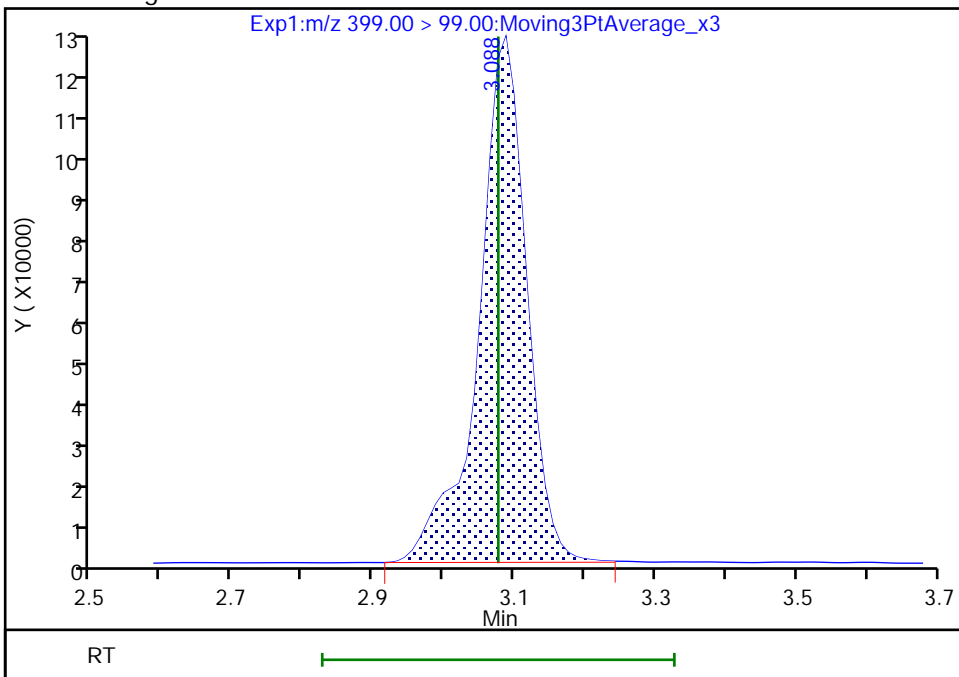
Processing Integration Results

RT: 3.09
Area: 596133
Amount: 2.098723
Amount Units: ng/ml



Manual Integration Results

RT: 3.09
Area: 592582
Amount: 2.089956
Amount Units: ng/ml



Eurofins Burlington

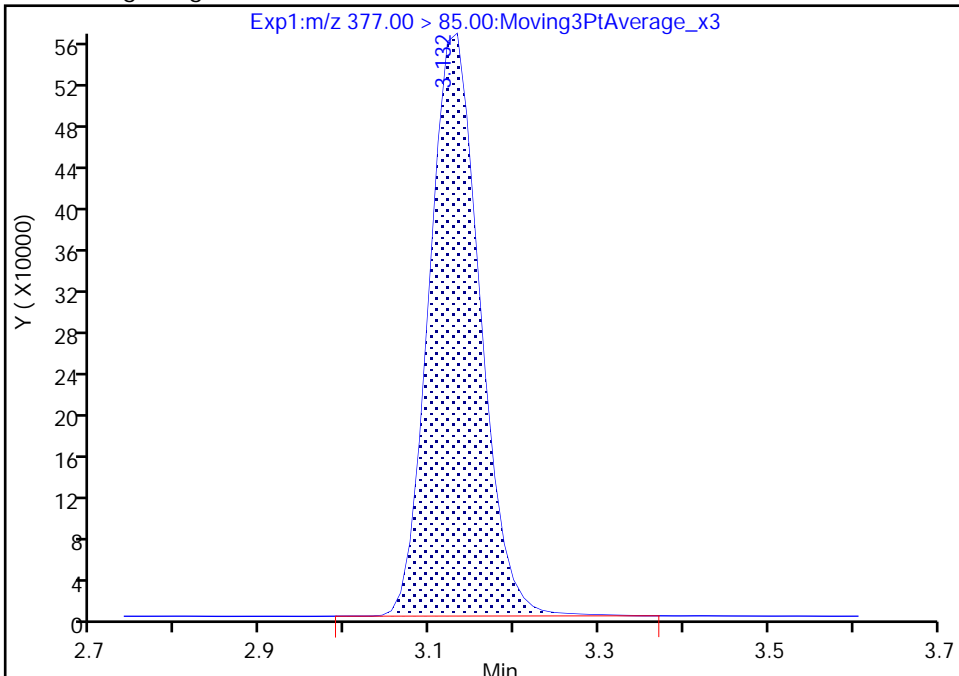
Data File:	\\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d		
Injection Date:	02-Sep-2022 19:25:52	Instrument ID:	LC812
Lims ID:	CCV L5		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	16

77 DONA, CAS: 919005-14-4

Signal: 2

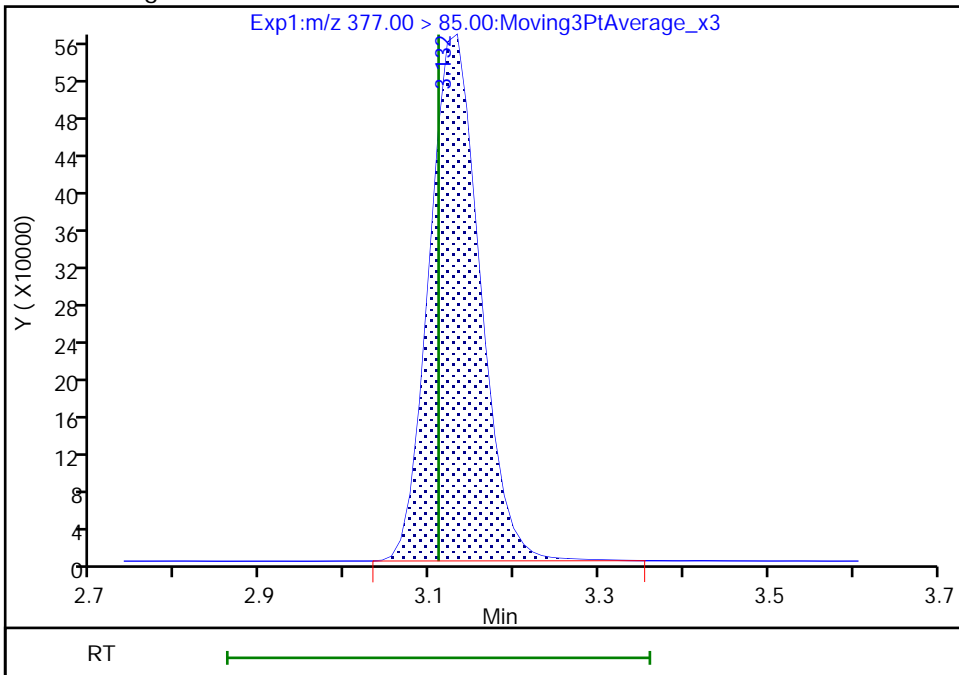
RT: 3.13
 Area: 2331333
 Amount: 2.415158
 Amount Units: ng/ml

Processing Integration Results



RT: 3.13
 Area: 2330450
 Amount: 2.409941
 Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:44:43
 Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

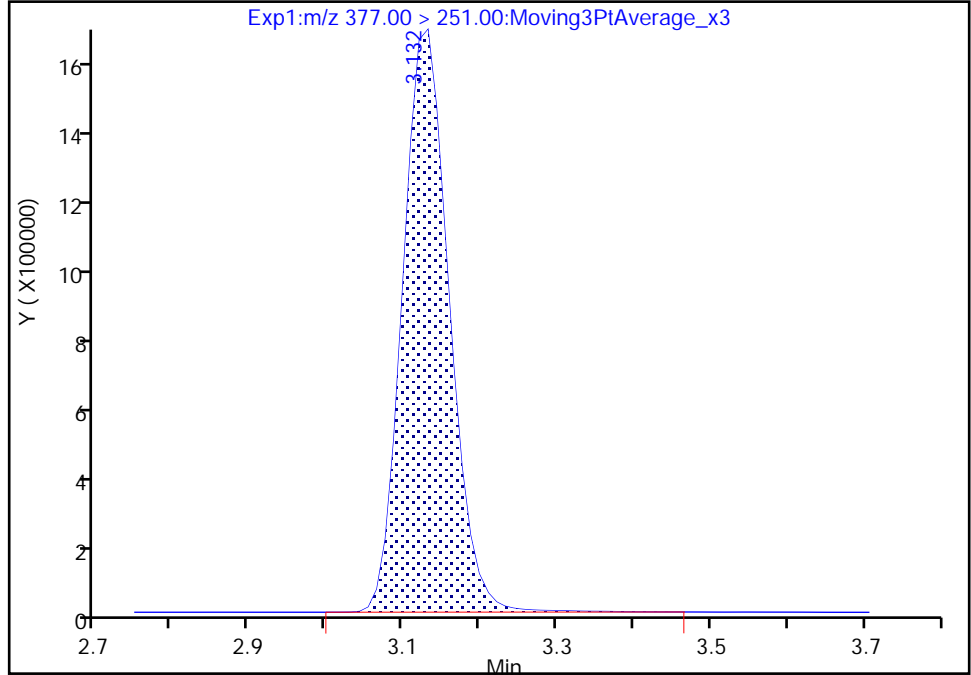
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 1

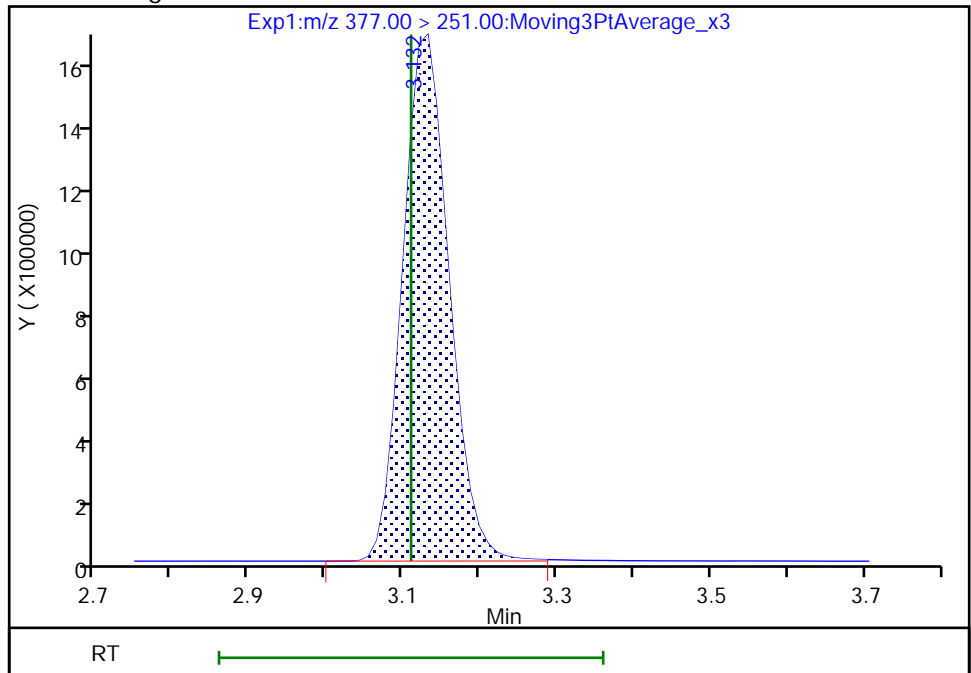
RT: 3.13
Area: 6805444
Amount: 2.415158
Amount Units: ng/ml

Processing Integration Results



RT: 3.13
Area: 6790743
Amount: 2.409941
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:44:49

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

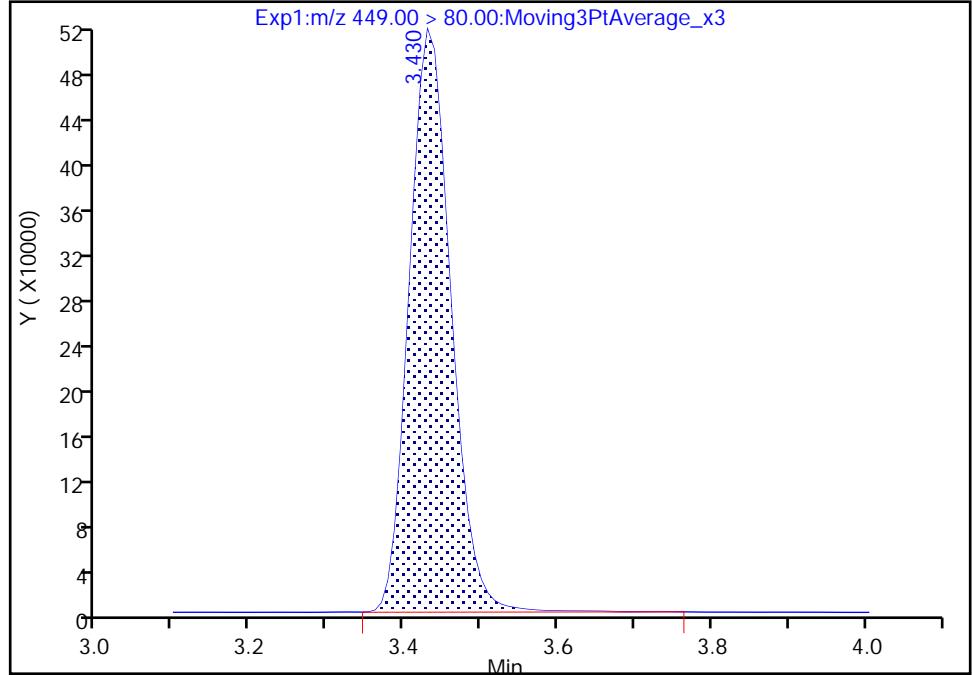
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

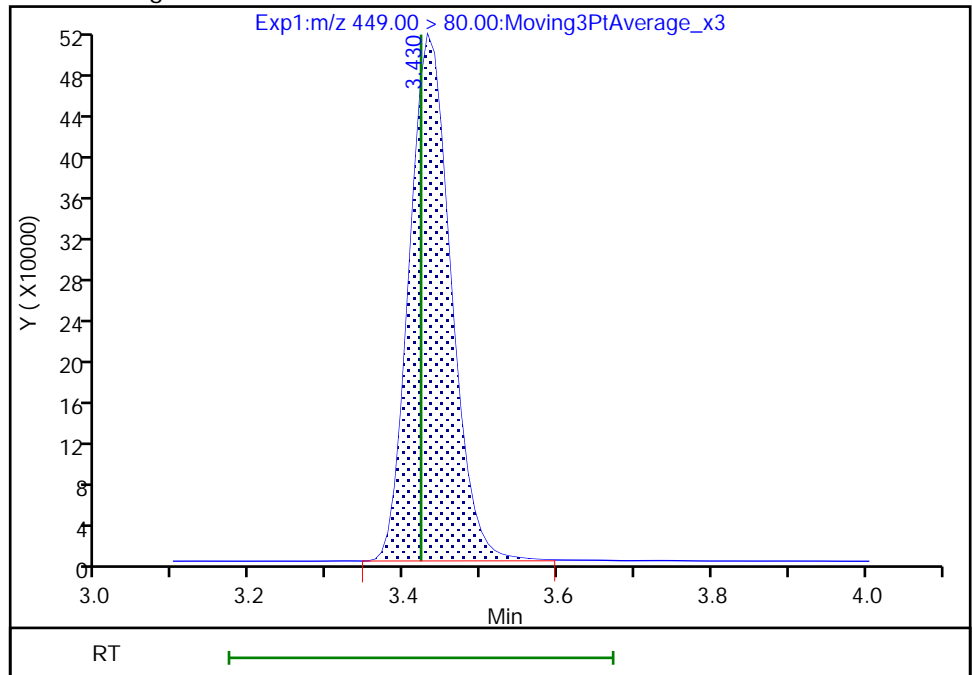
RT: 3.43
Area: 1940966
Amount: 2.295364
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 1935268
Amount: 2.288626
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:45:03
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

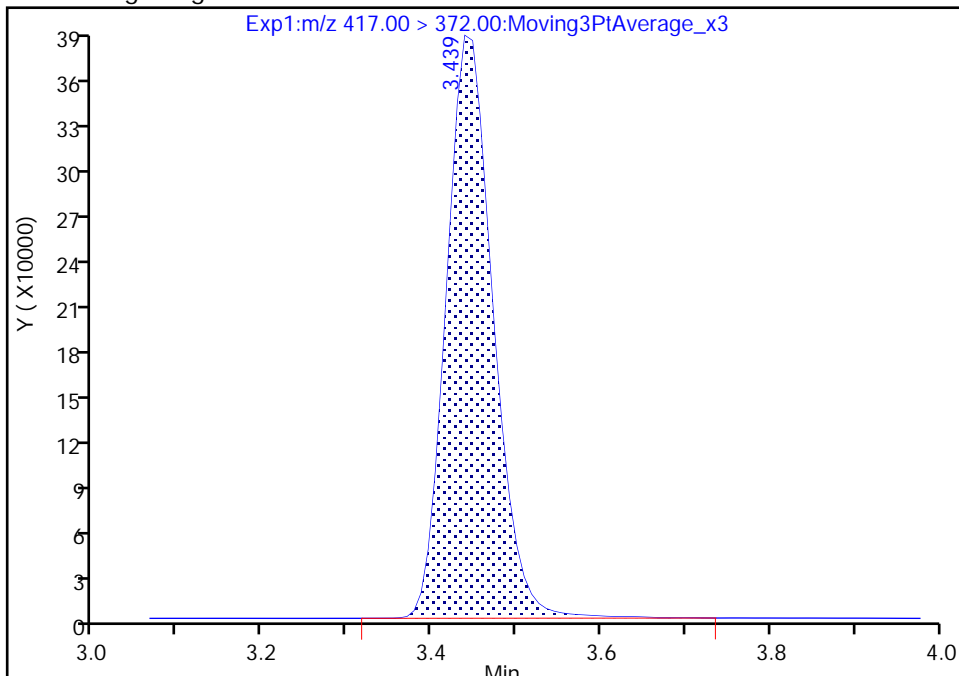
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

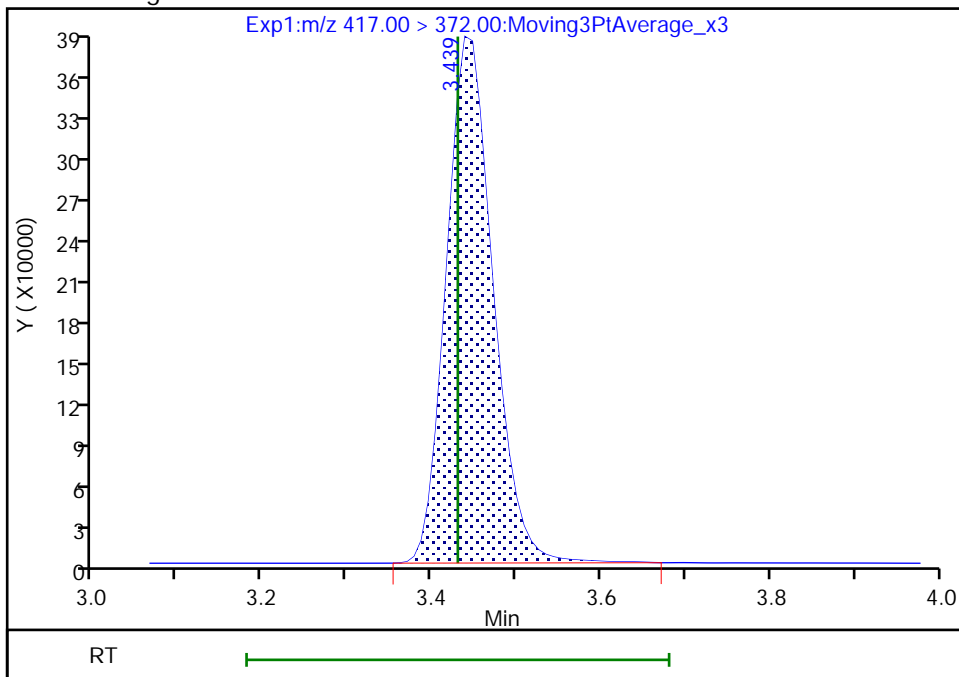
RT: 3.44
Area: 1473670
Amount: 1.163291
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 1471058
Amount: 1.161229
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:42:39
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

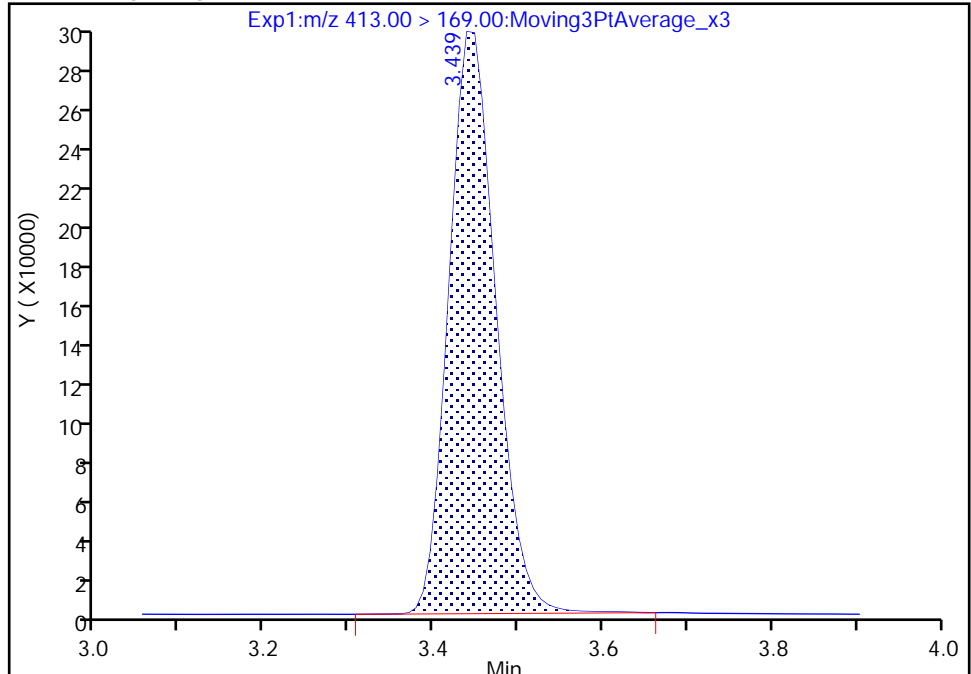
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

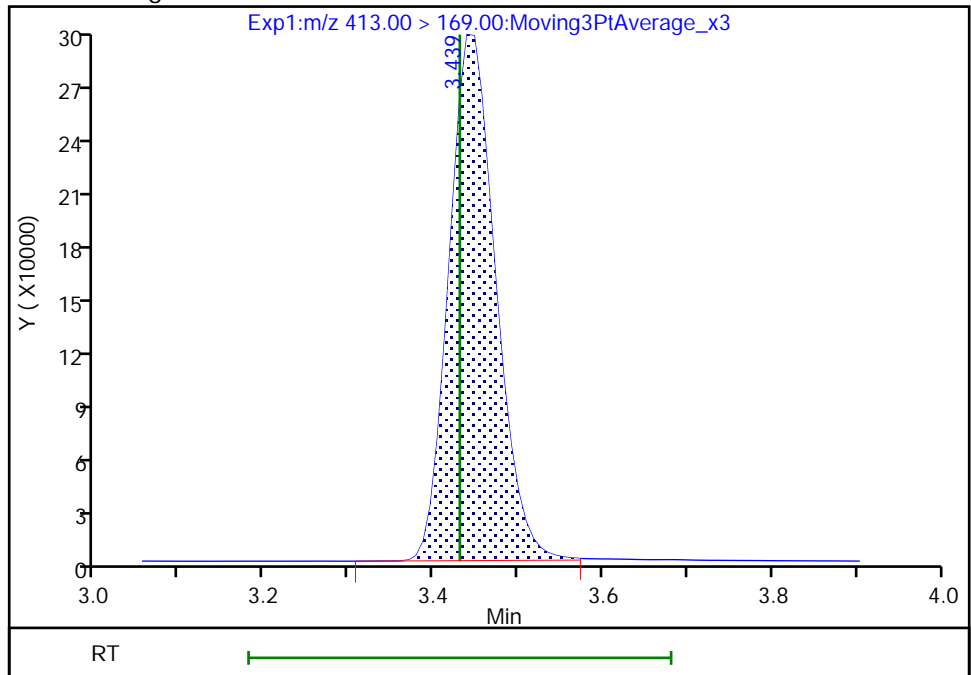
RT: 3.44
Area: 1113594
Amount: 2.307186
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 1111371
Amount: 2.298018
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:45:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

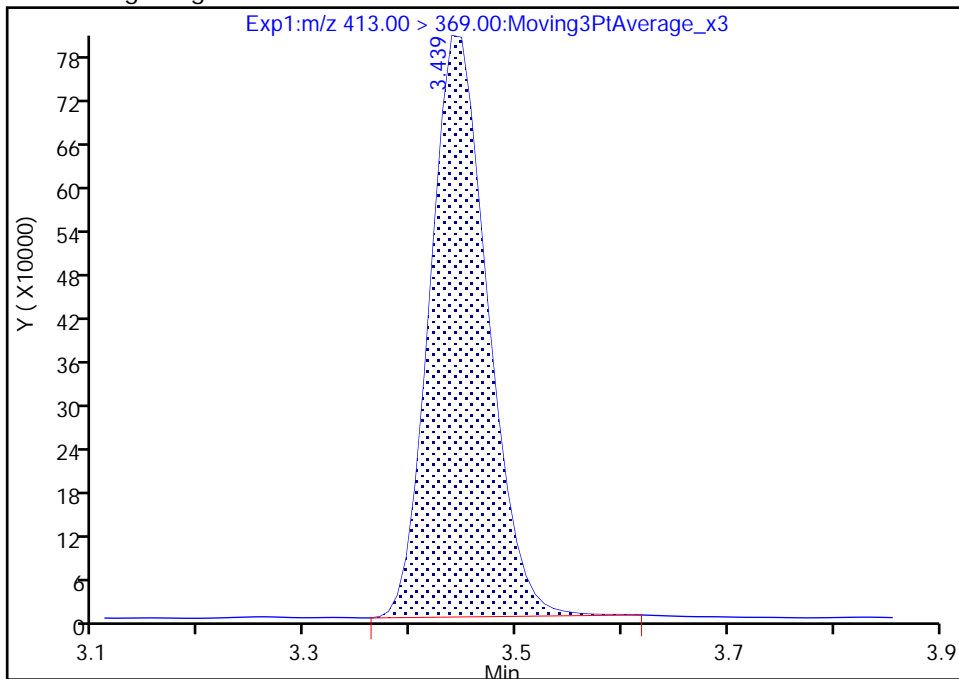
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

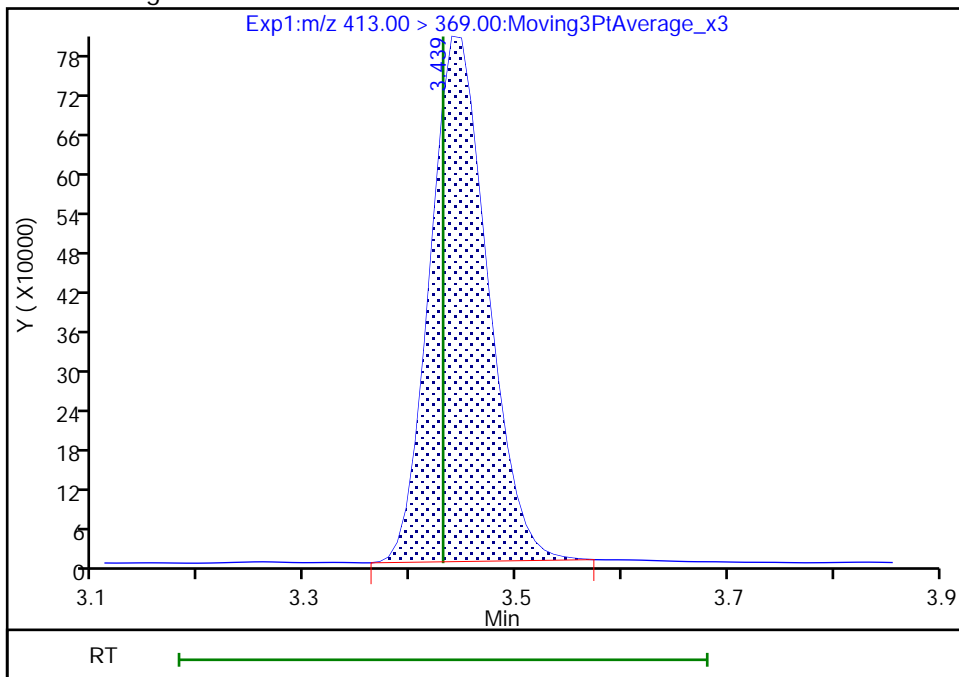
RT: 3.44
Area: 3044825
Amount: 2.307186
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 3032726
Amount: 2.298018
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Sep-2022 09:45:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

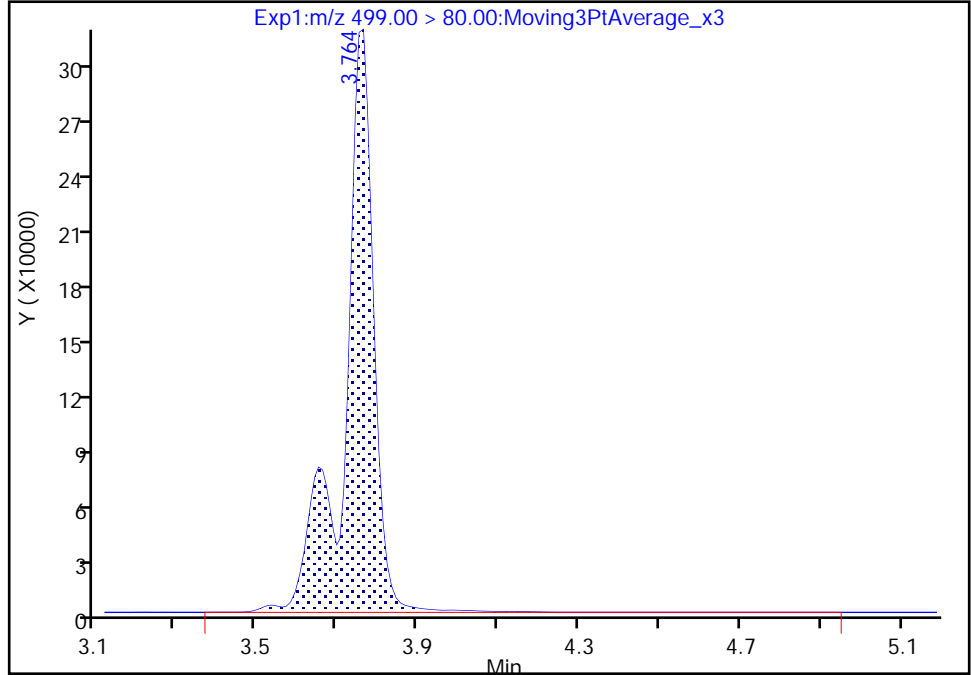
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

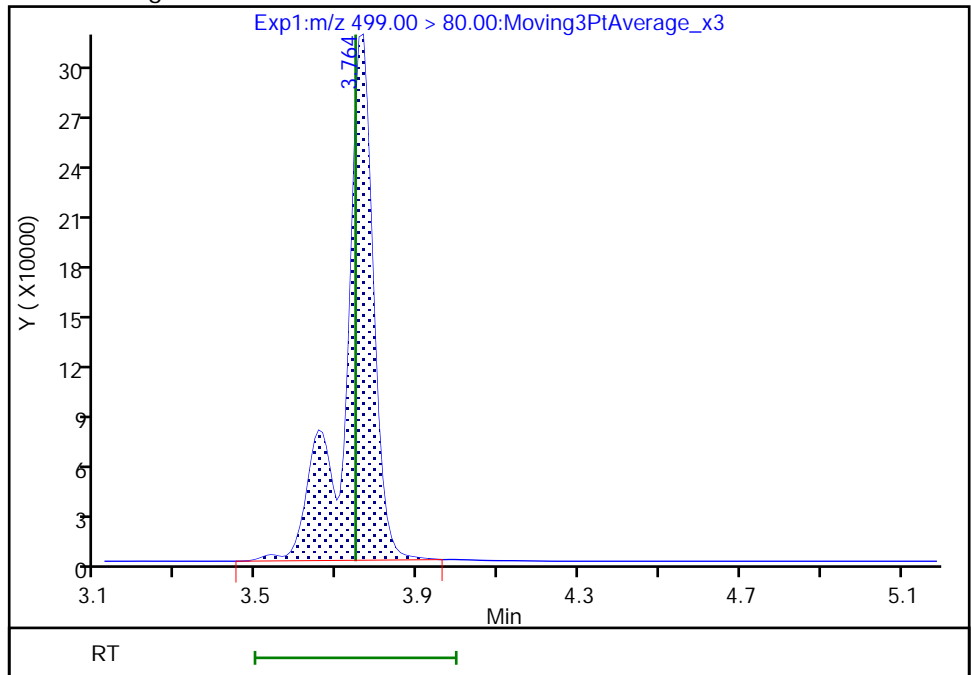
RT: 3.76
Area: 1575892
Amount: 2.296699
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 1552625
Amount: 2.262517
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:45:28
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

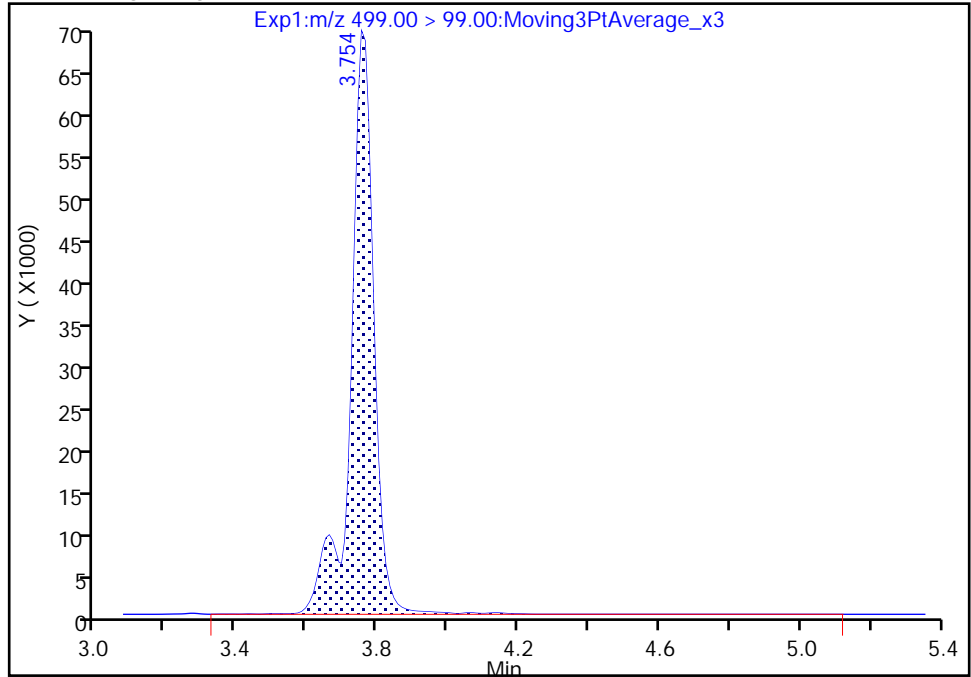
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

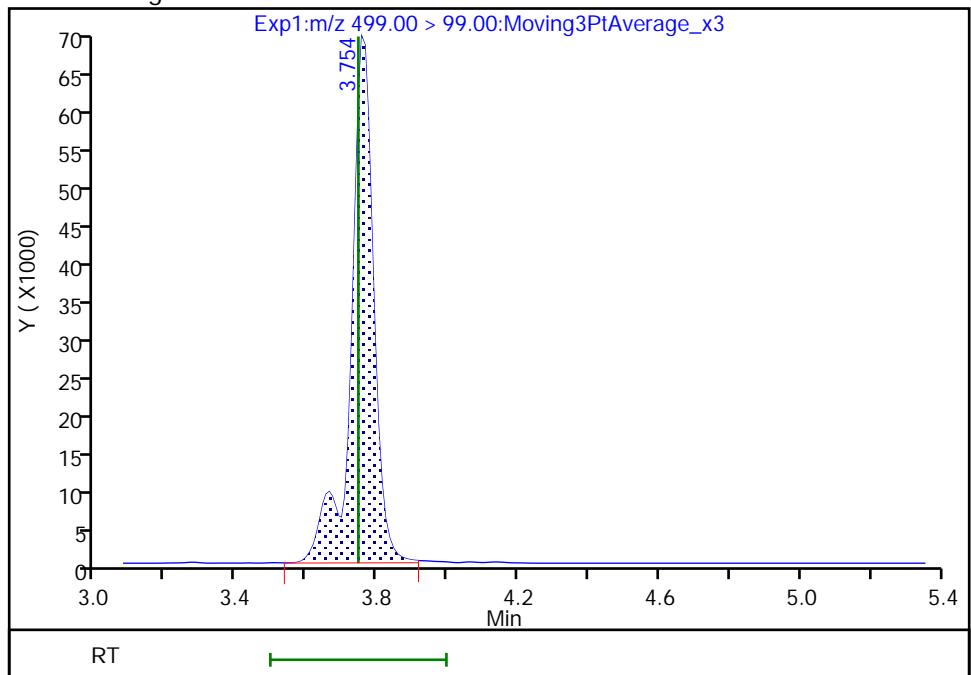
RT: 3.75
Area: 313684
Amount: 2.296699
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 309857
Amount: 2.262517
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:45:41

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

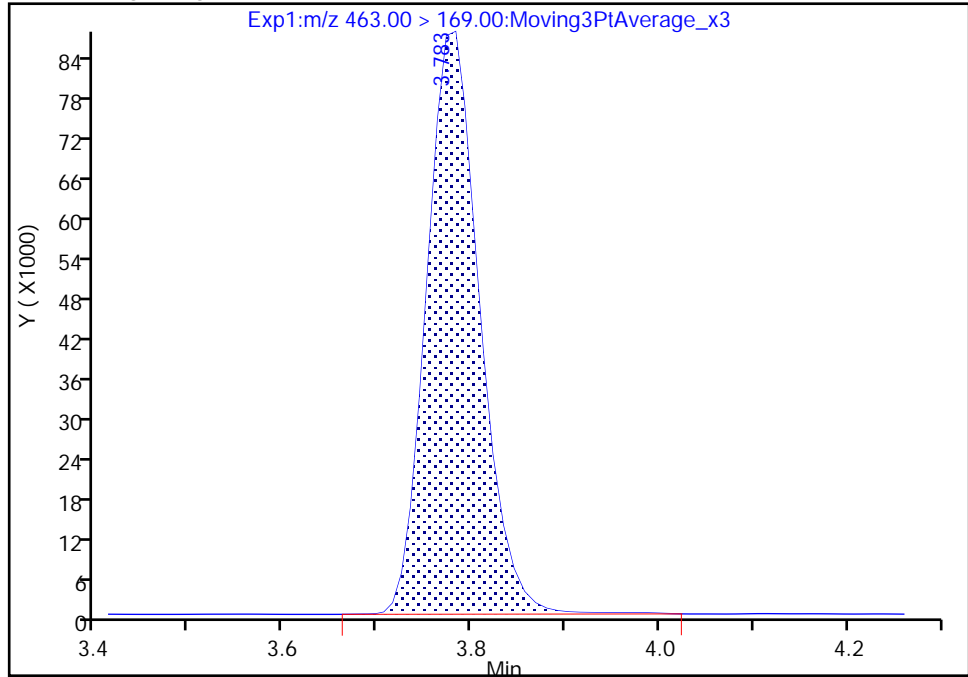
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

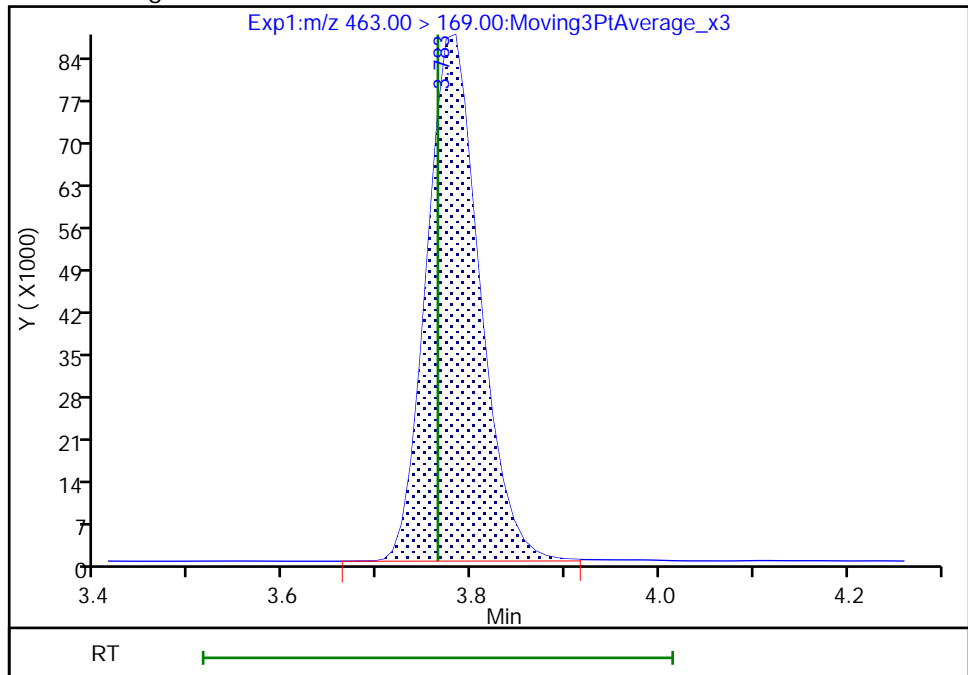
RT: 3.78
Area: 341352
Amount: 2.207782
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 340425
Amount: 2.207782
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:45:48
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

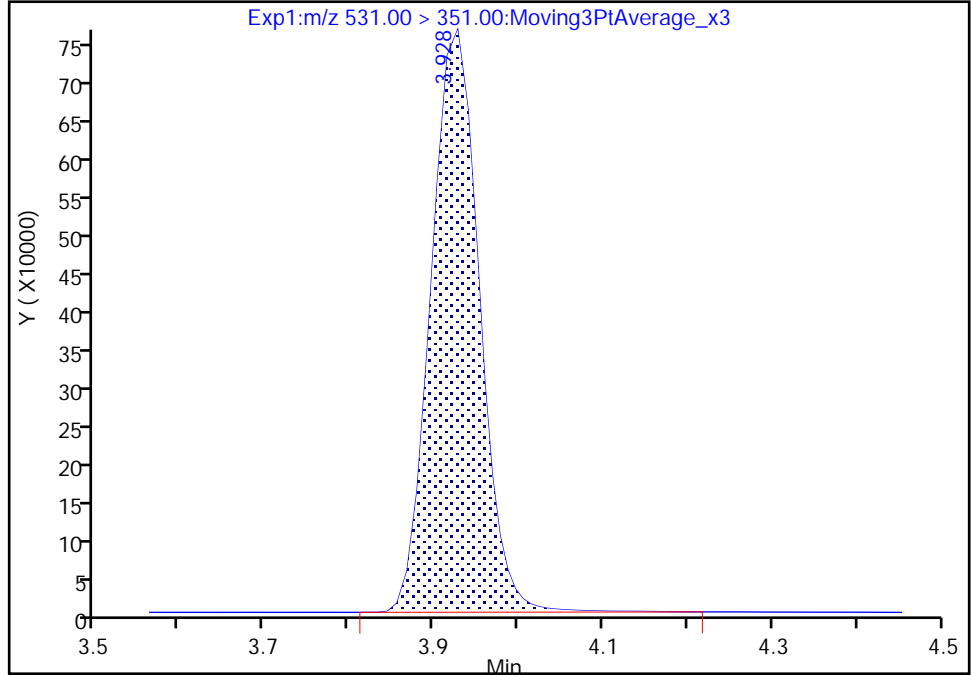
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

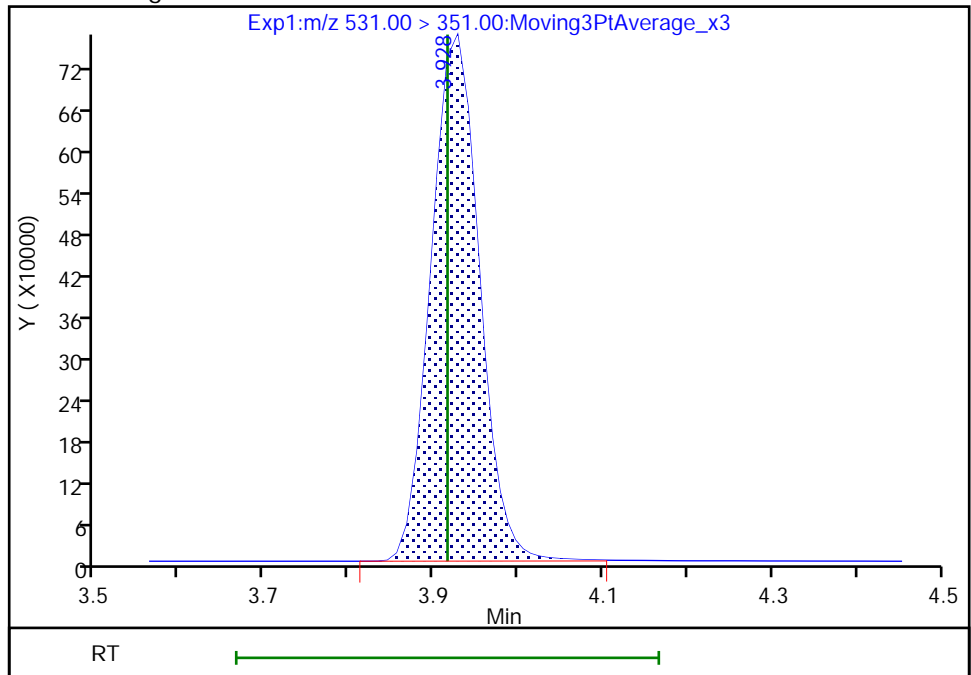
RT: 3.93
Area: 3060602
Amount: 2.532501
Amount Units: ng/ml

Processing Integration Results



RT: 3.93
Area: 3057305
Amount: 2.529773
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:45:53
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

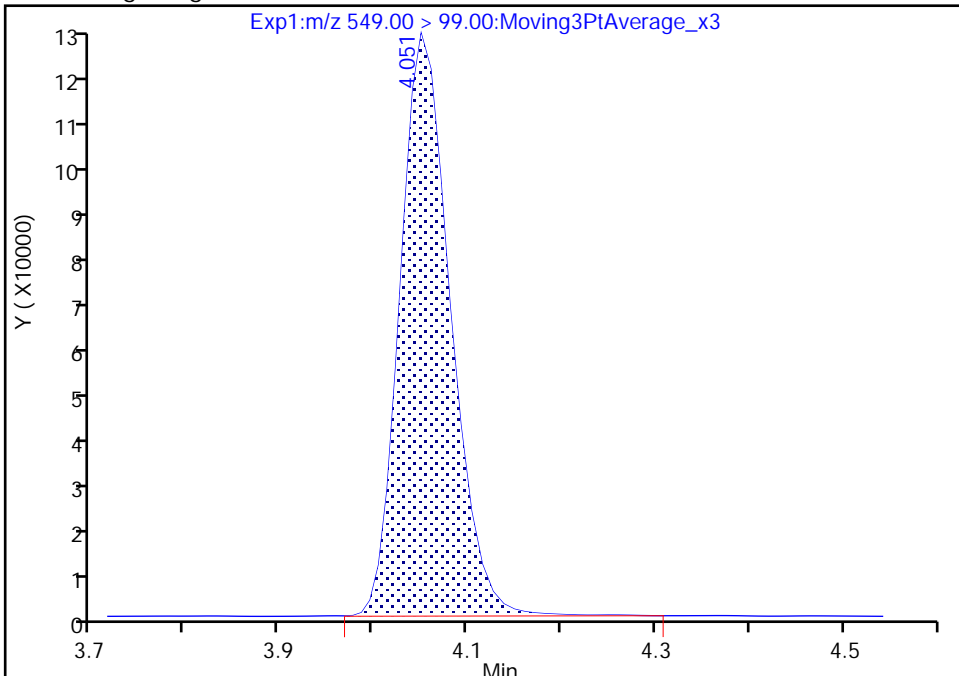
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 2

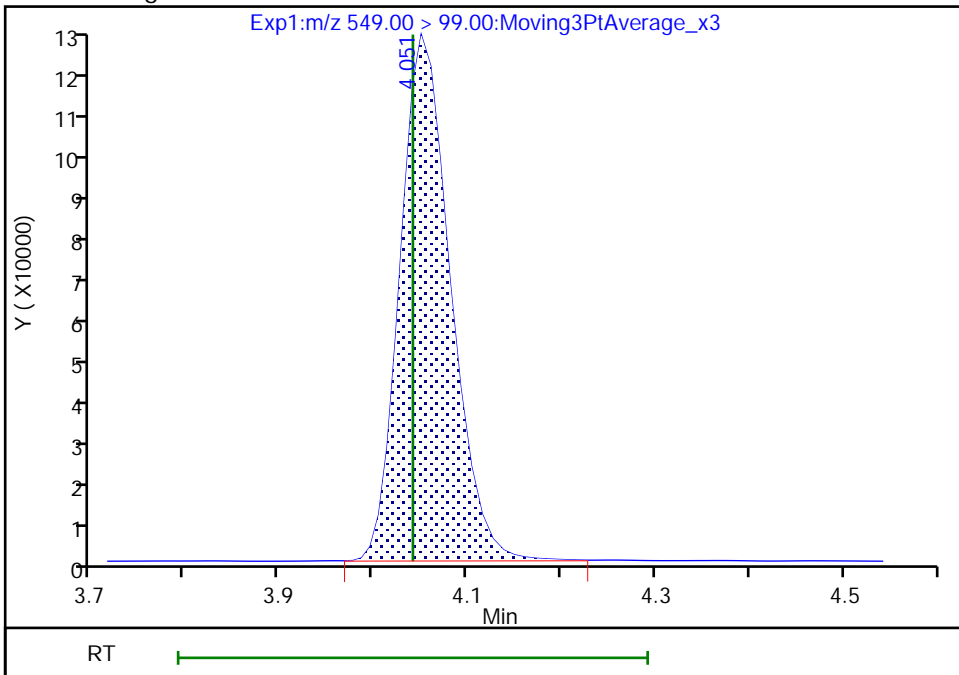
RT: 4.05
Area: 475291
Amount: 2.377390
Amount Units: ng/ml

Processing Integration Results



RT: 4.05
Area: 474805
Amount: 2.375237
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:45:58
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

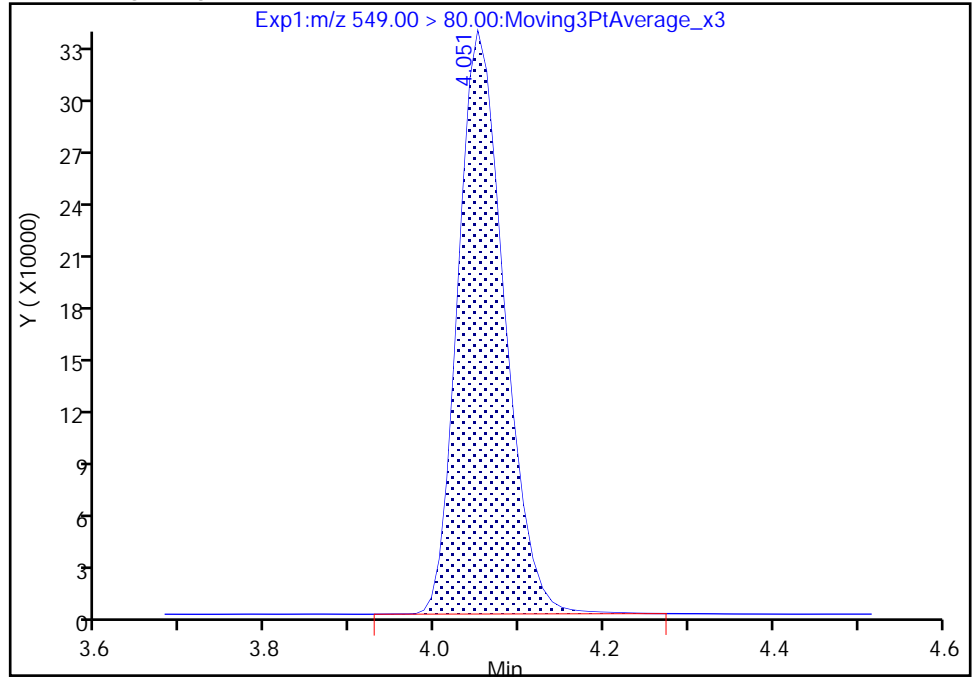
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 1

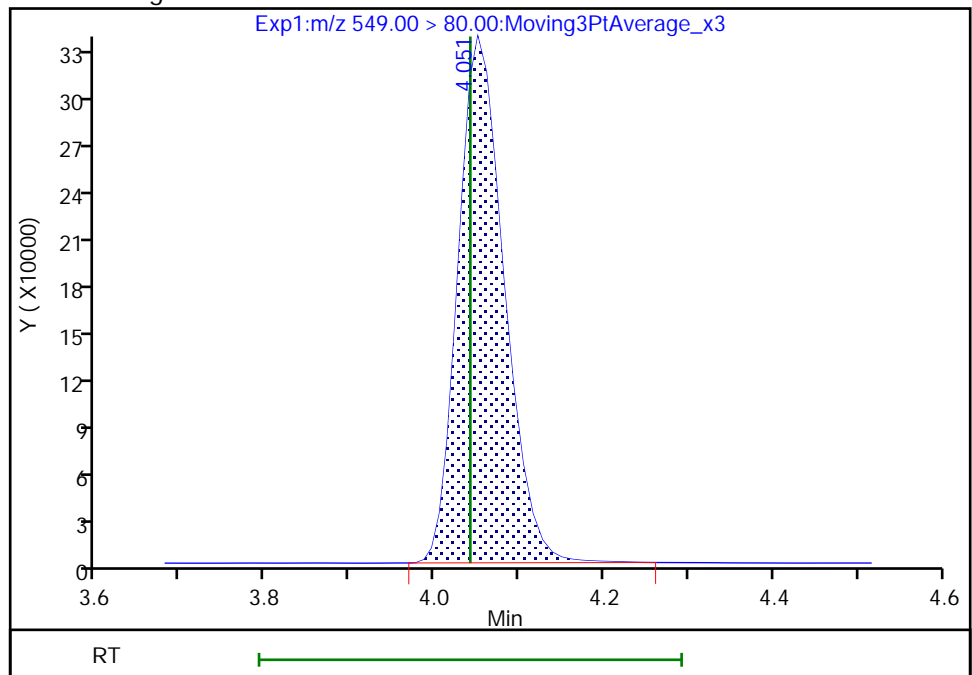
RT: 4.05
Area: 1273479
Amount: 2.377390
Amount Units: ng/ml

Processing Integration Results



RT: 4.05
Area: 1272326
Amount: 2.375237
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:46:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

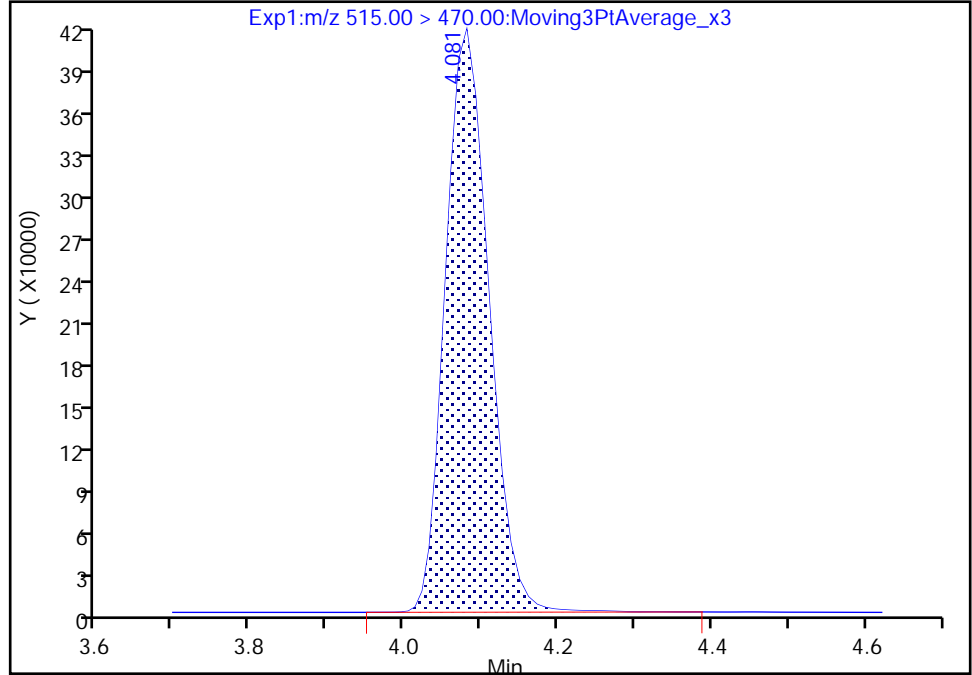
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection 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

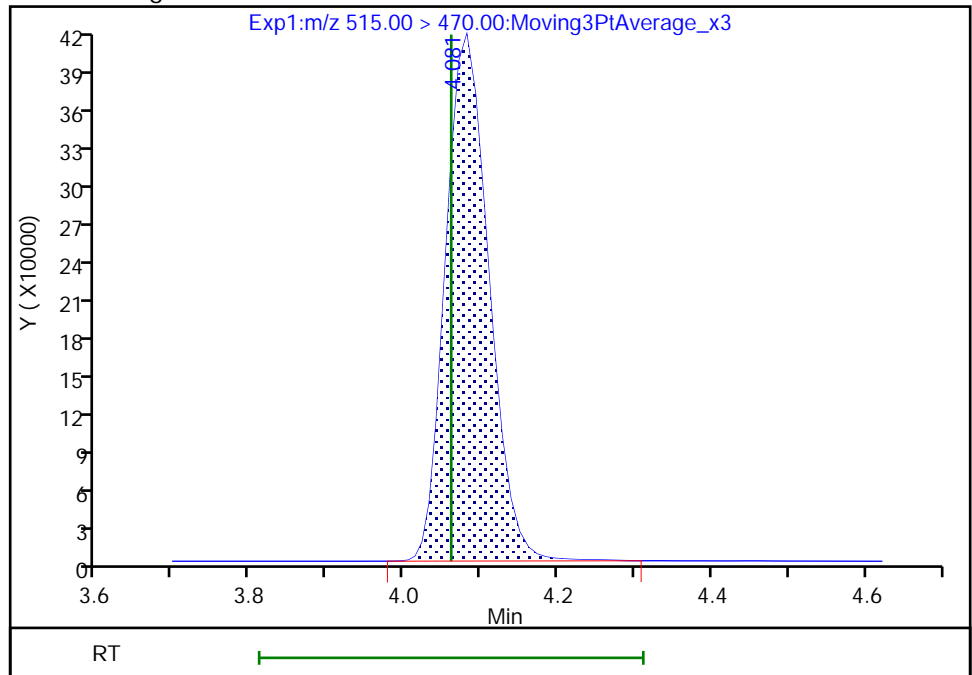
RT: 4.08
Area: 1619169
Amount: 1.265001
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 1617436
Amount: 1.263647
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:42:48
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

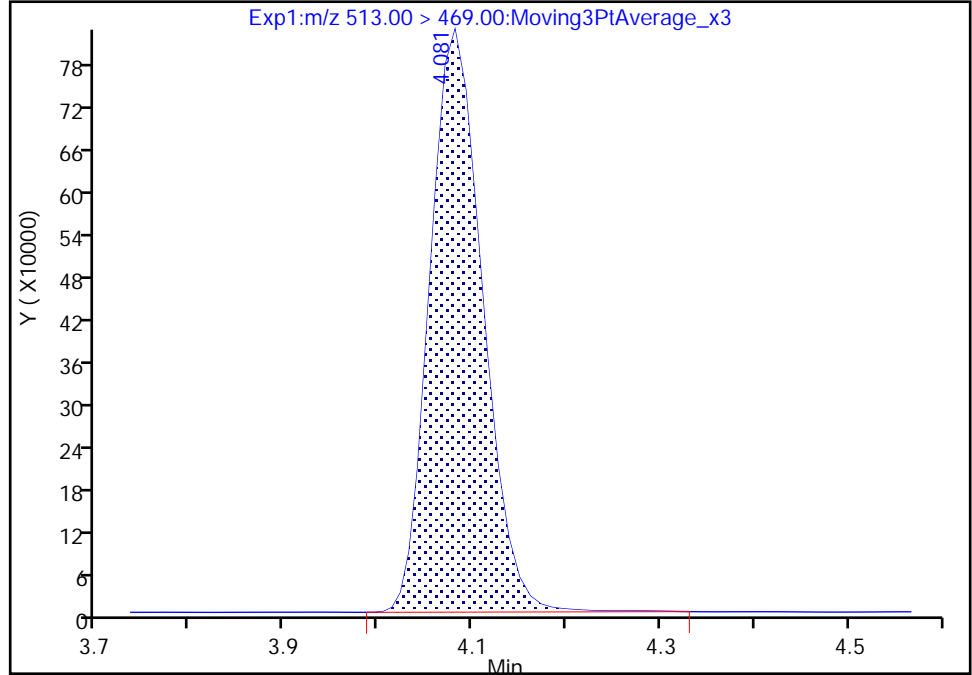
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

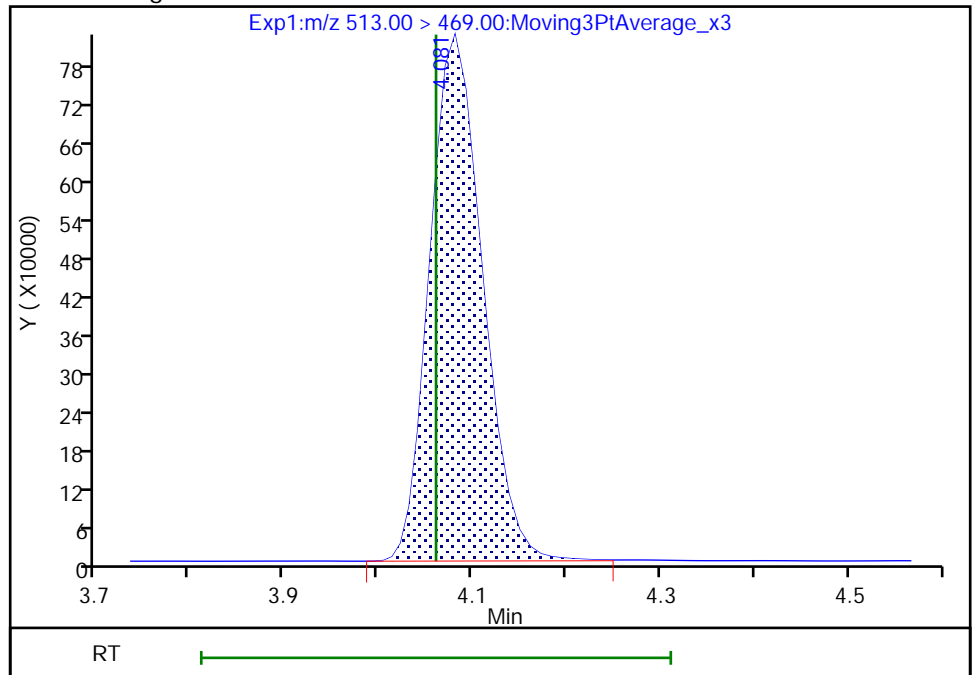
RT: 4.08
Area: 3231171
Amount: 2.374388
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 3227411
Amount: 2.371625
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:46:04
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

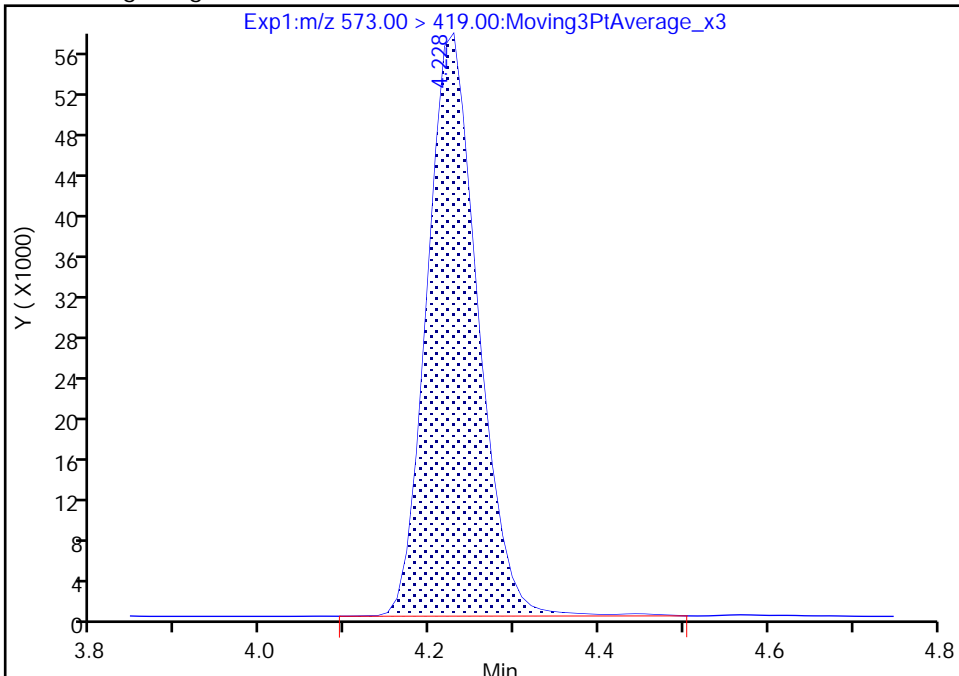
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

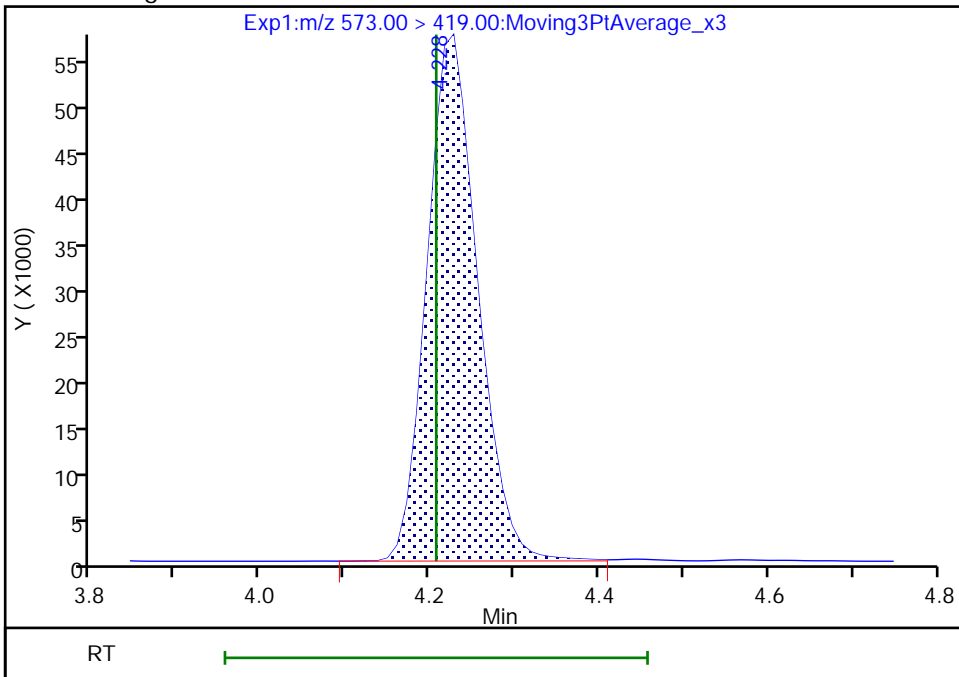
RT: 4.23
Area: 238799
Amount: 1.391951
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 238166
Amount: 1.388262
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:42:58
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

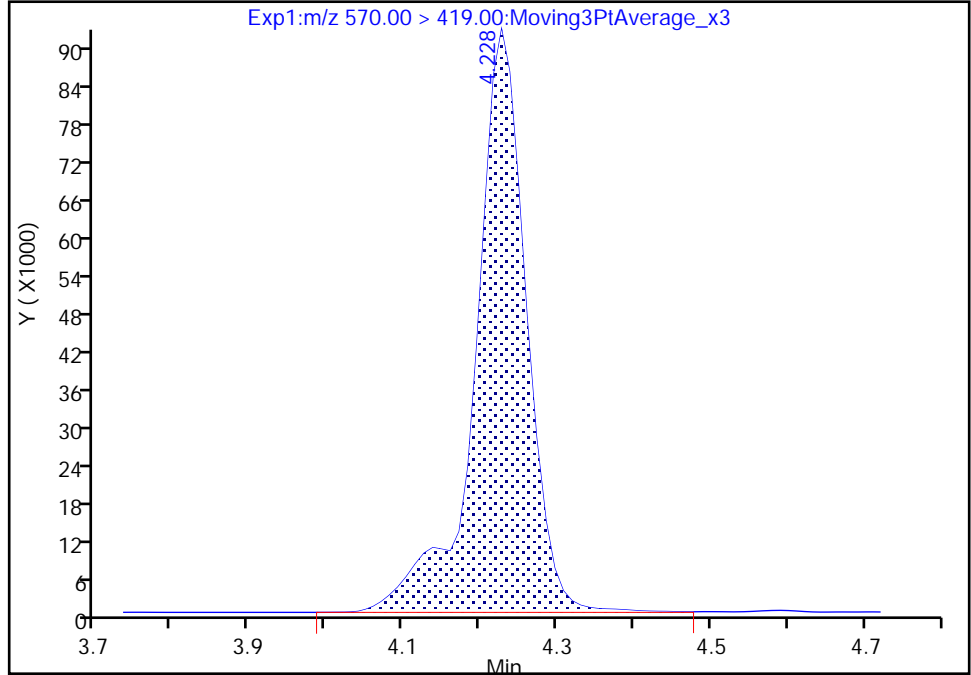
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

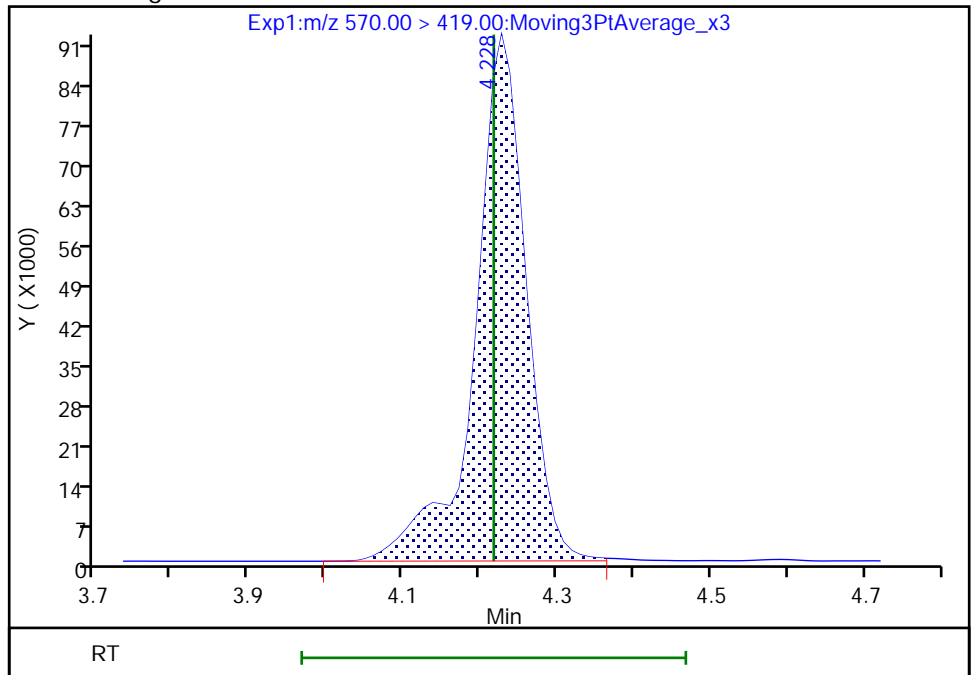
RT: 4.23
Area: 430381
Amount: 2.543408
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 427909
Amount: 2.528799
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:46:28
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

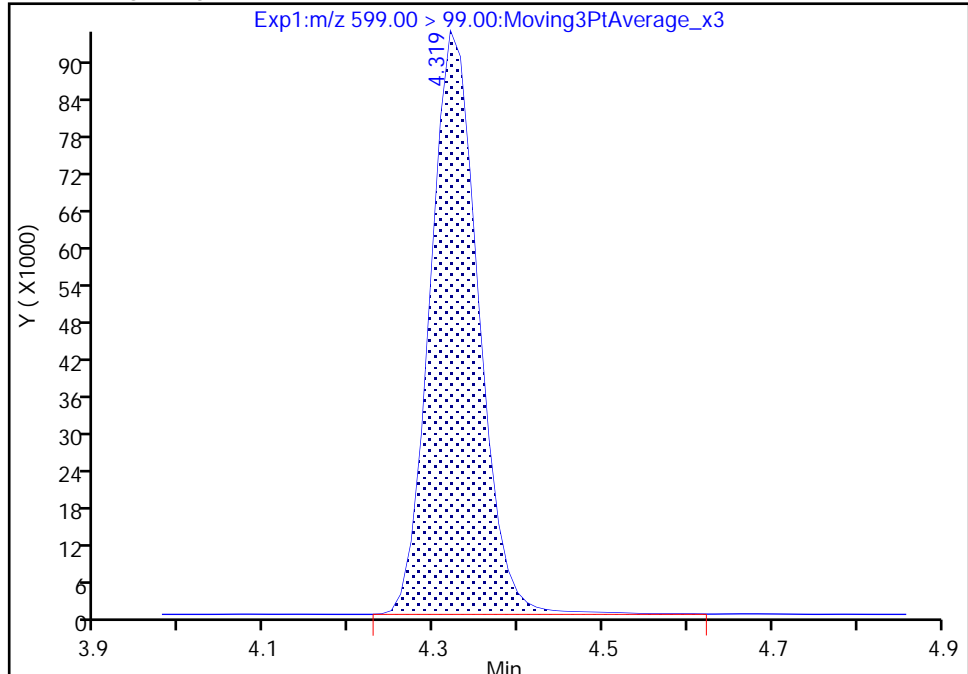
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

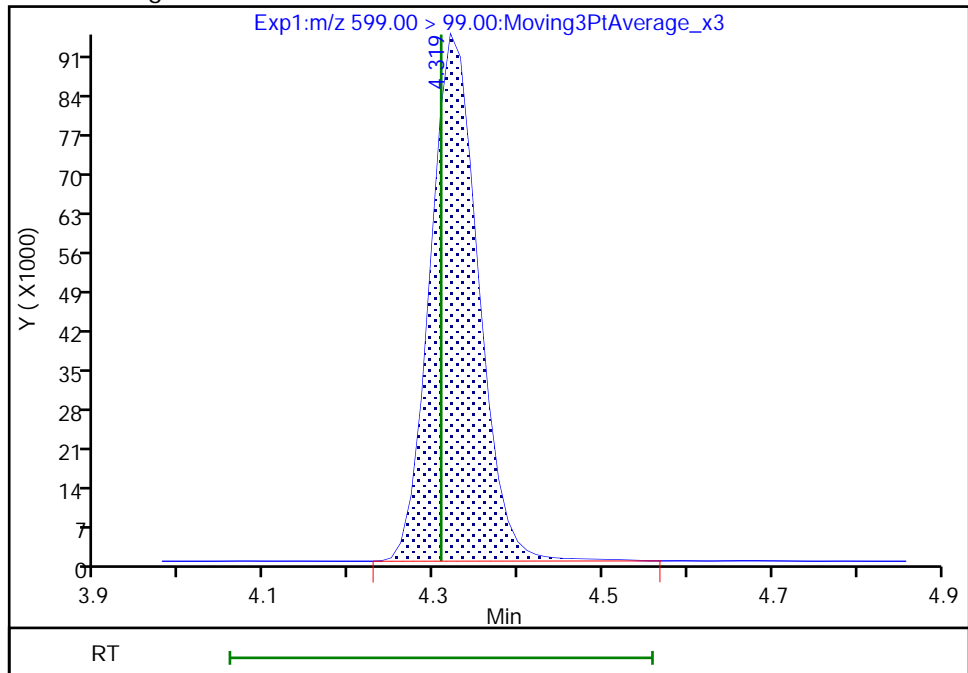
RT: 4.32
Area: 372755
Amount: 2.419003
Amount Units: ng/ml

Processing Integration Results



RT: 4.32
Area: 371926
Amount: 2.419003
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:46:36
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

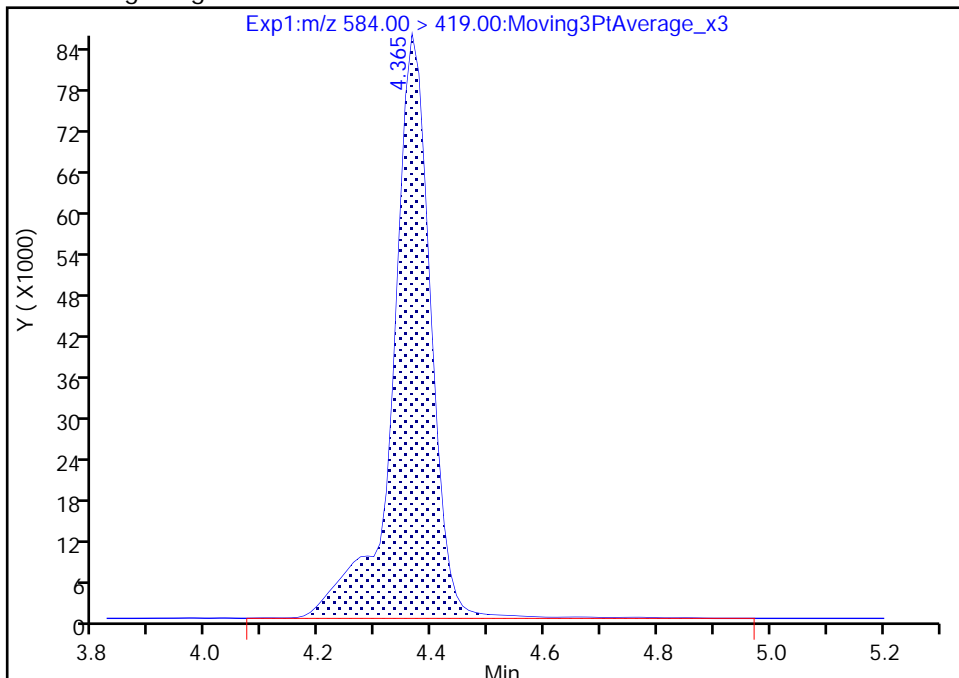
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

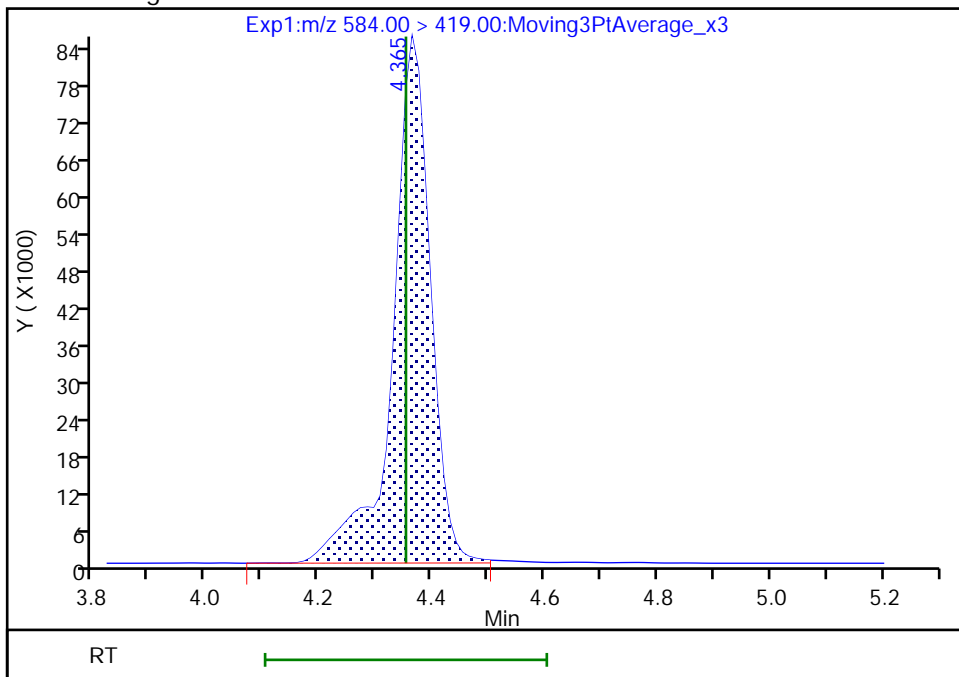
RT: 4.36
Area: 402518
Amount: 2.290694
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 398333
Amount: 2.266878
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:46:55
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

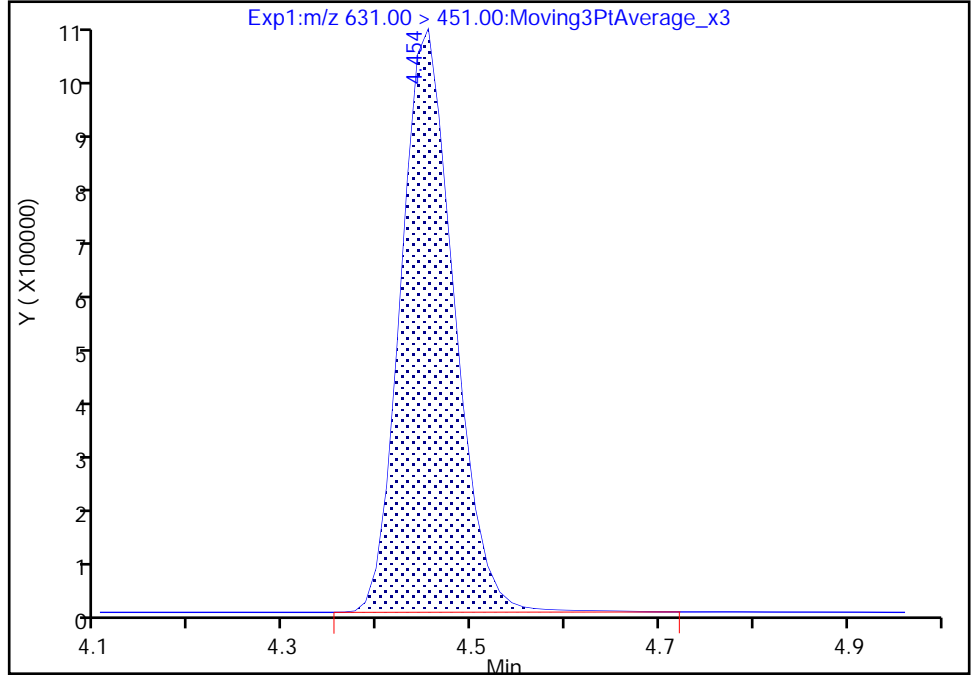
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

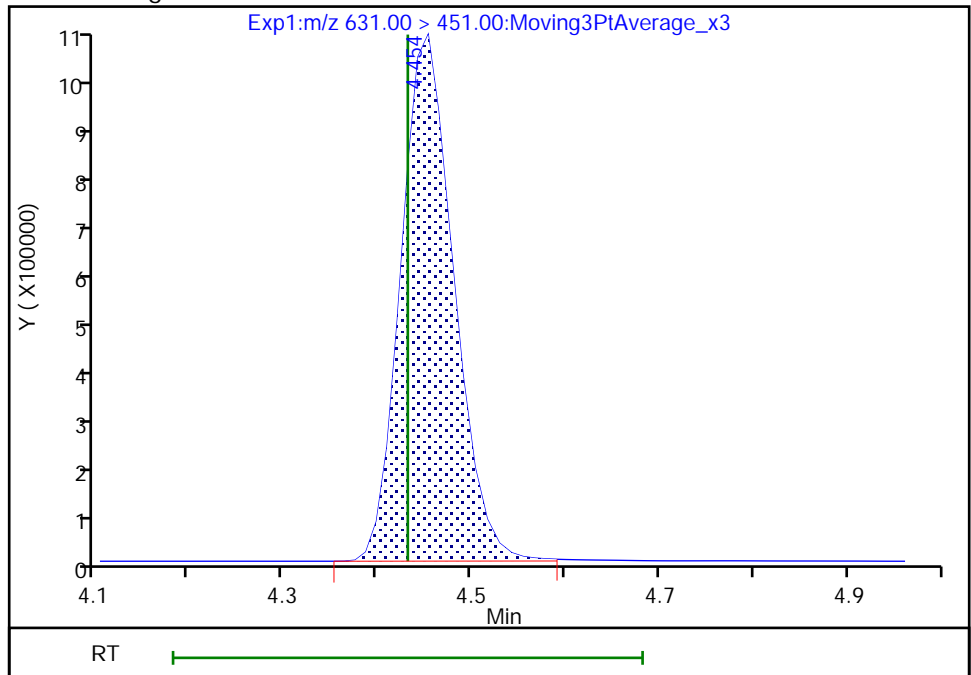
RT: 4.45
Area: 4293035
Amount: 2.729269
Amount Units: ng/ml

Processing Integration Results



RT: 4.45
Area: 4282436
Amount: 2.722531
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:47:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

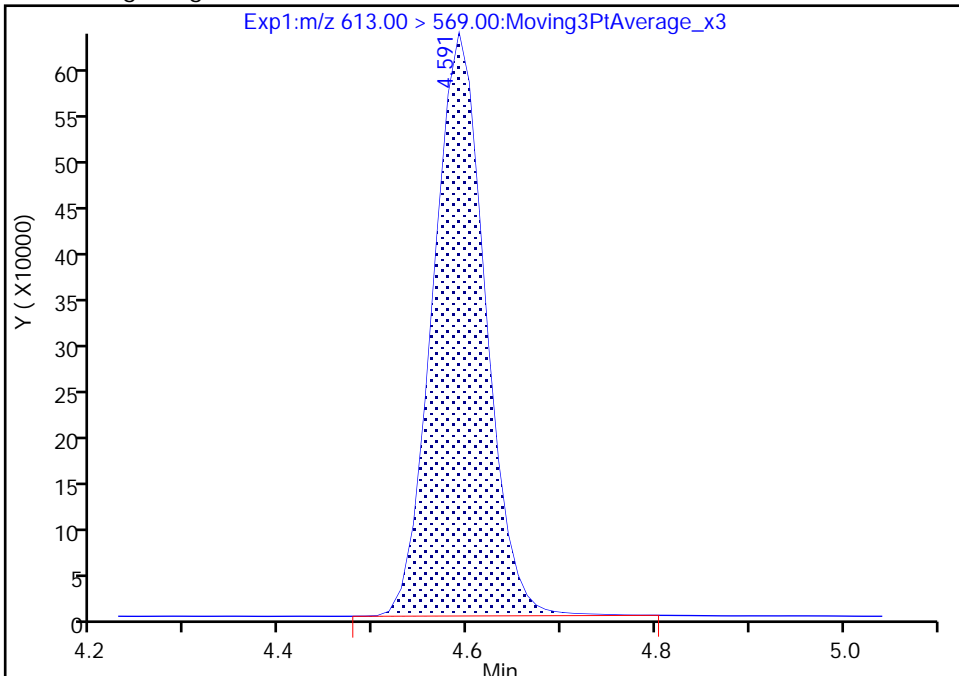
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

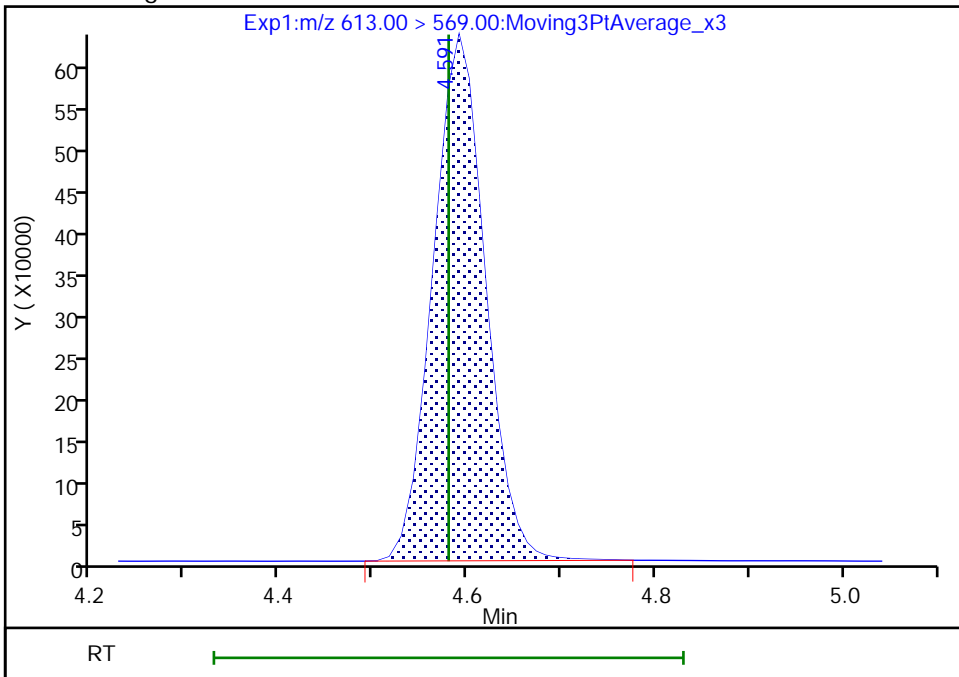
RT: 4.59
Area: 2426876
Amount: 2.467694
Amount Units: ng/ml

Processing Integration Results



RT: 4.59
Area: 2424971
Amount: 2.465757
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:47:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

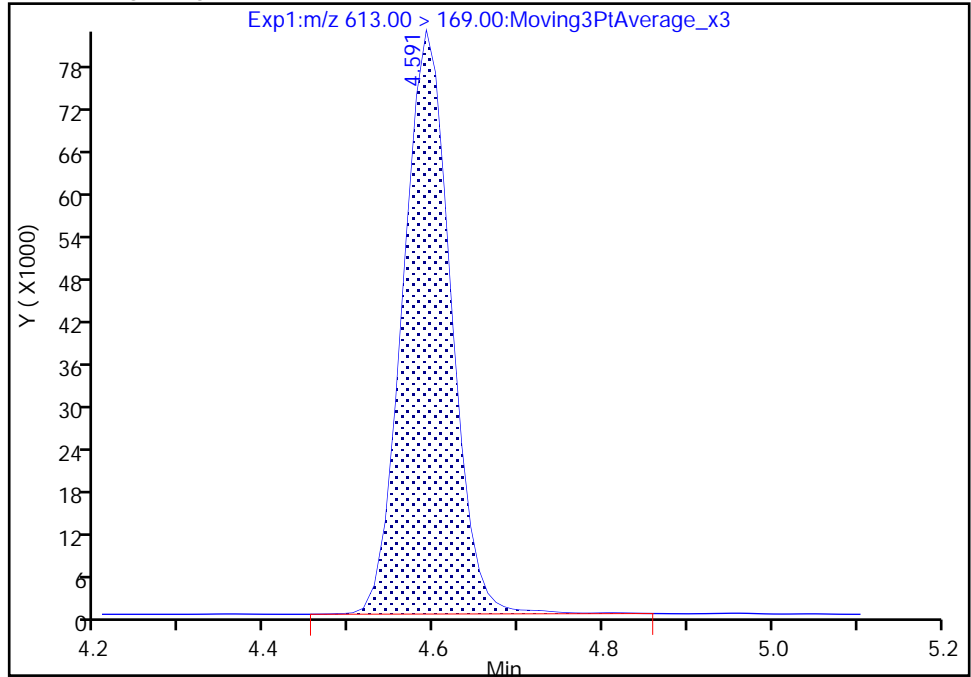
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

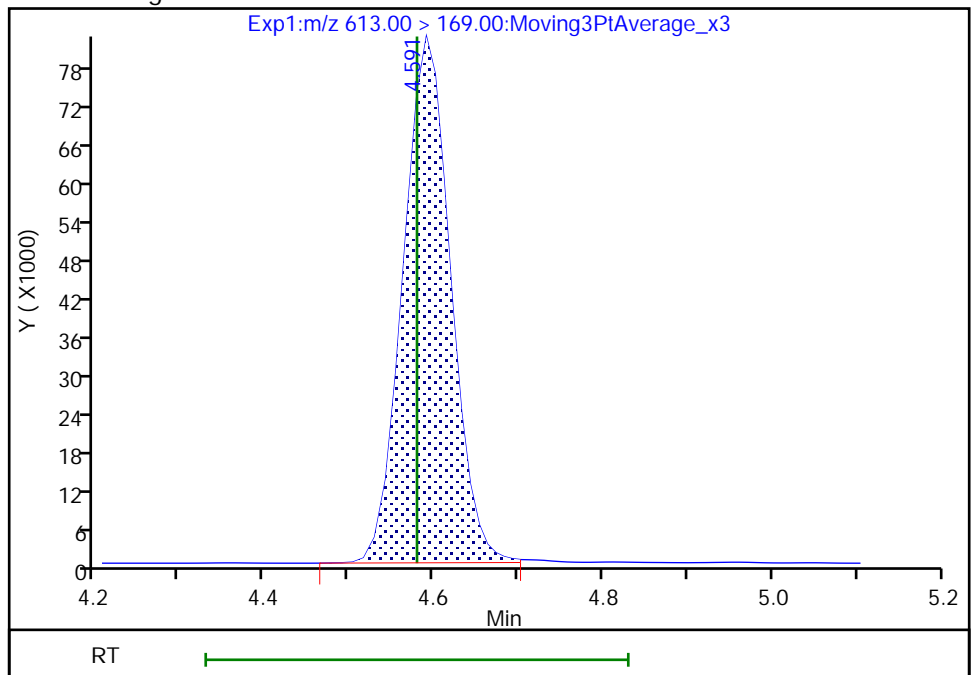
RT: 4.59
Area: 321599
Amount: 2.467694
Amount Units: ng/ml

Processing Integration Results



RT: 4.59
Area: 319808
Amount: 2.465757
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Sep-2022 09:47:14

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

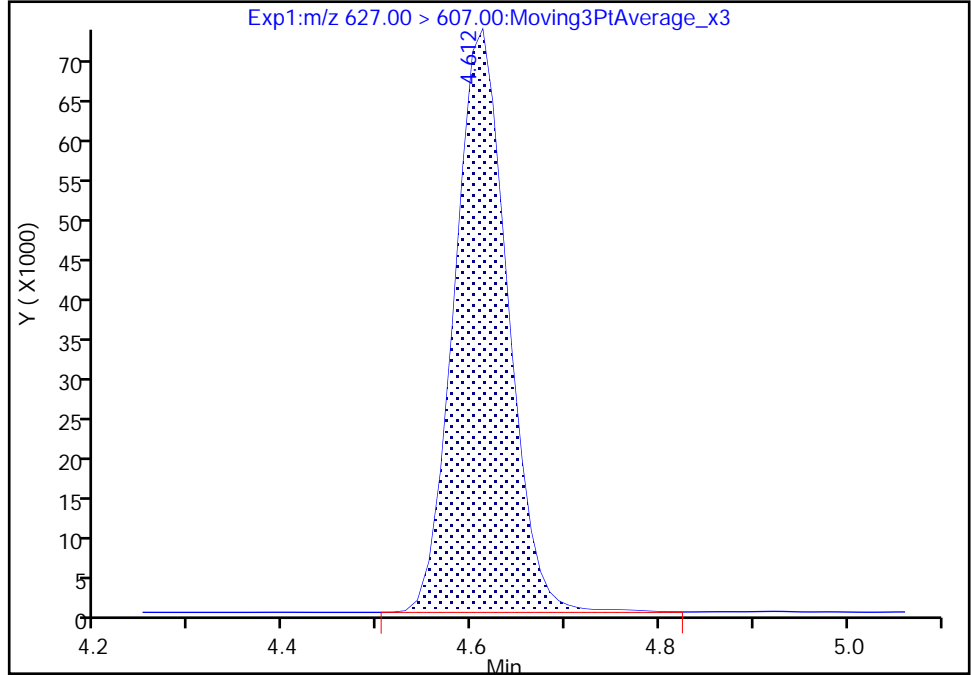
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

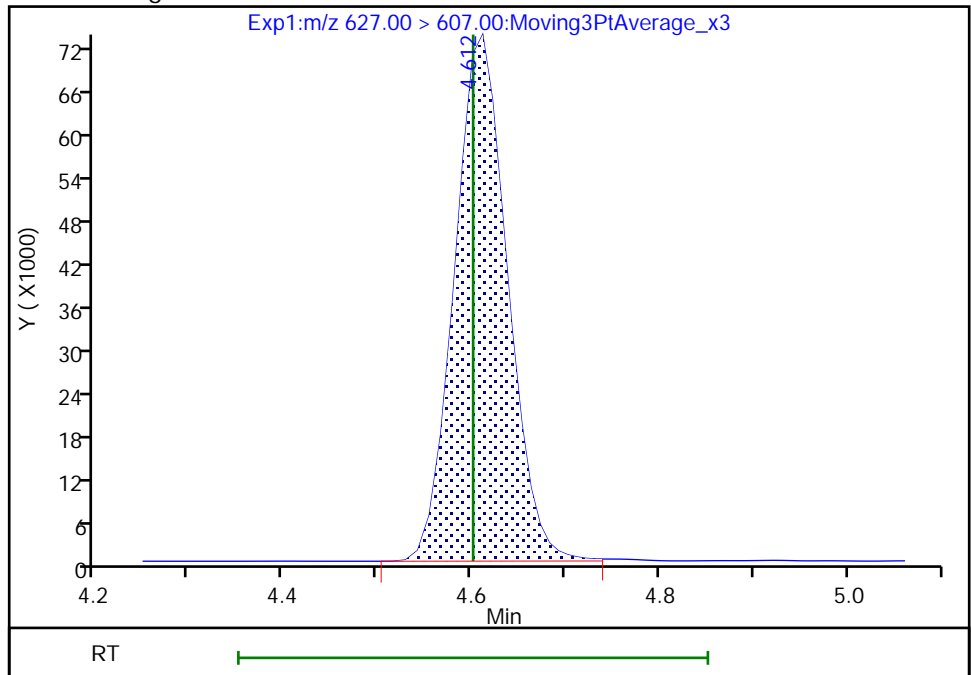
RT: 4.61
Area: 288548
Amount: 2.702800
Amount Units: ng/ml

Processing Integration Results



RT: 4.61
Area: 287352
Amount: 2.691597
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:47:25
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

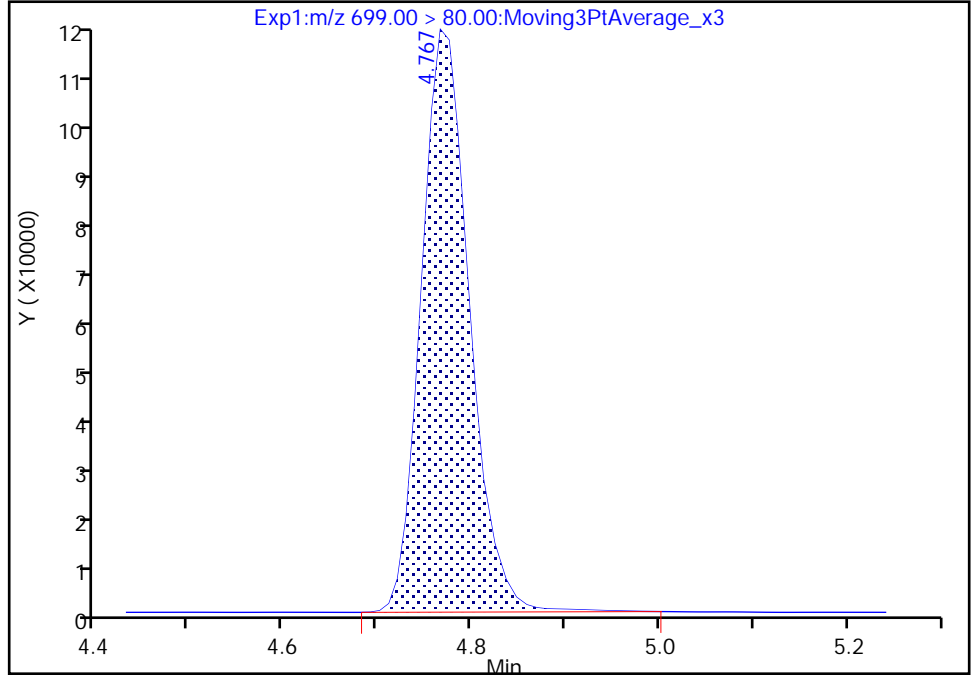
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

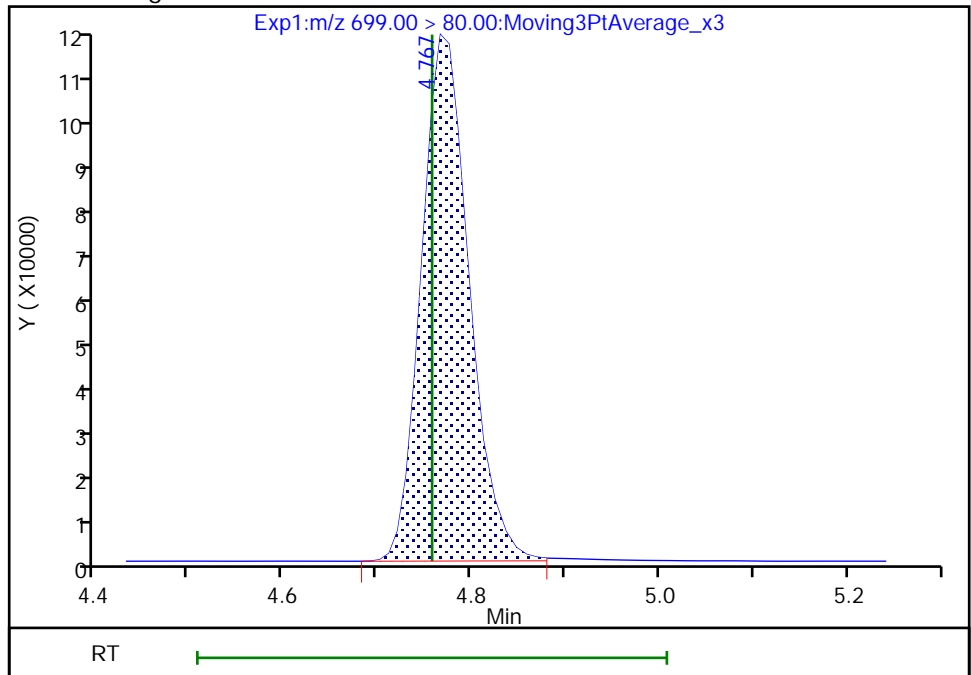
RT: 4.77
Area: 404628
Amount: 2.286220
Amount Units: ng/ml

Processing Integration Results



RT: 4.77
Area: 402779
Amount: 2.275773
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:47:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

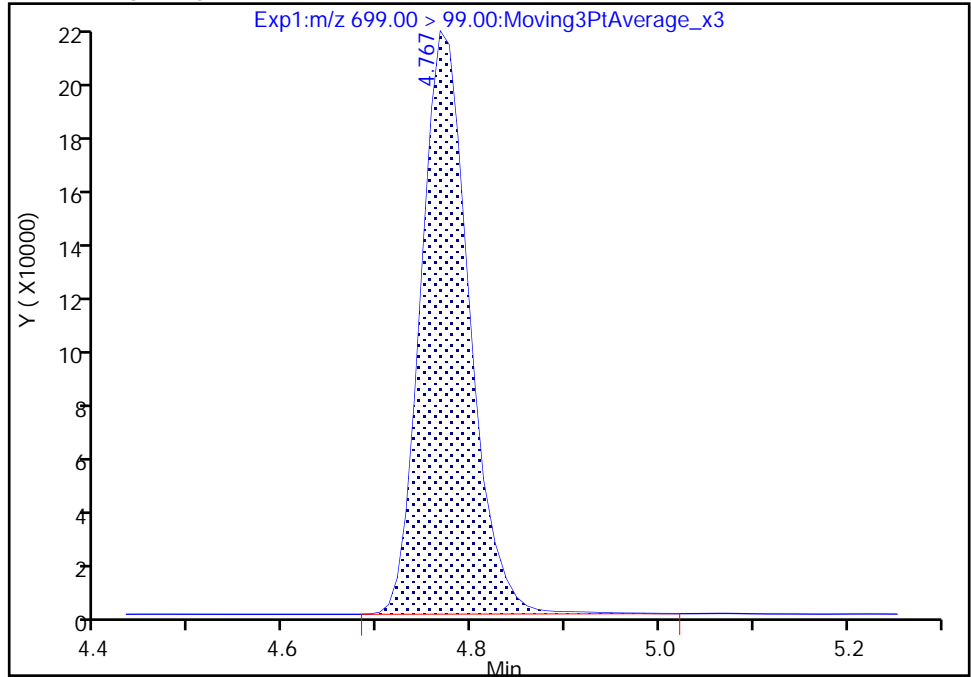
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 2

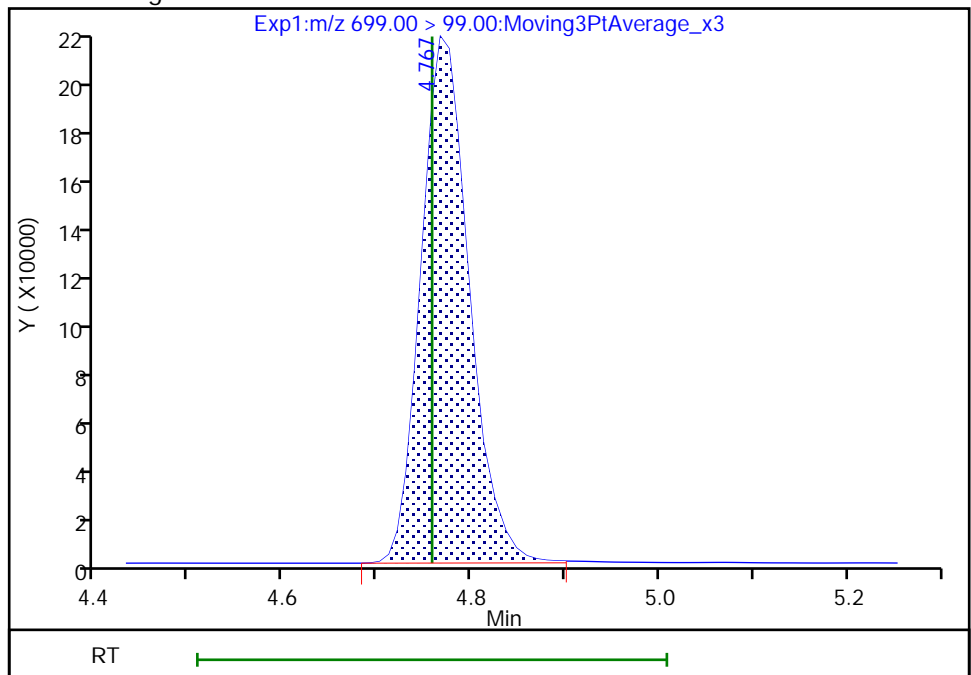
RT: 4.77
Area: 777524
Amount: 2.286220
Amount Units: ng/ml

Processing Integration Results



RT: 4.77
Area: 775493
Amount: 2.275773
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:47:35

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

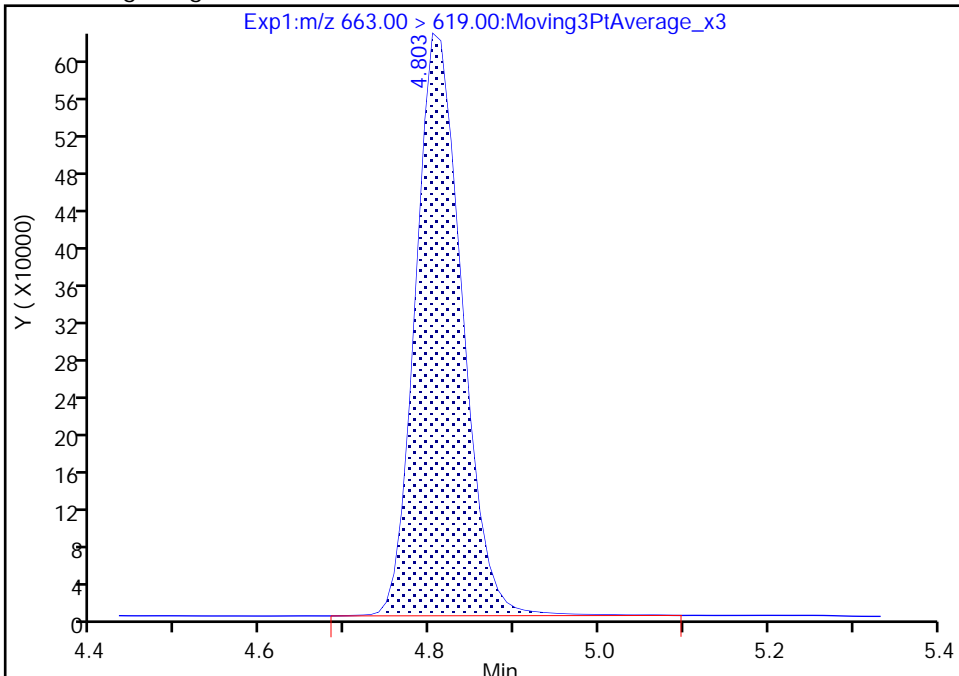
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

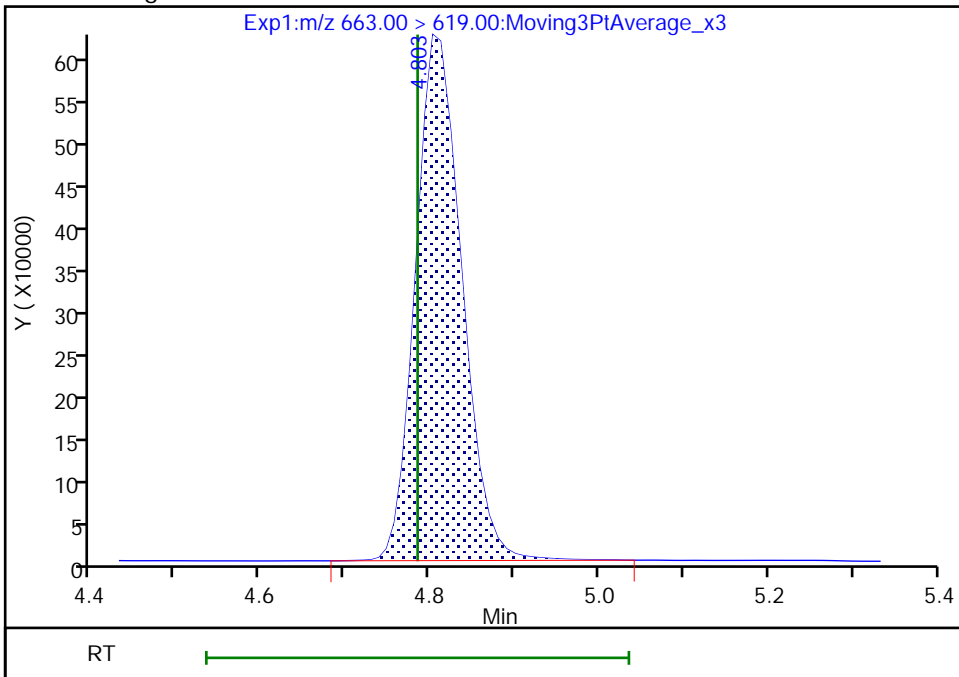
RT: 4.80
Area: 2355431
Amount: 2.762880
Amount Units: ng/ml

Processing Integration Results



RT: 4.80
Area: 2351057
Amount: 2.757750
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

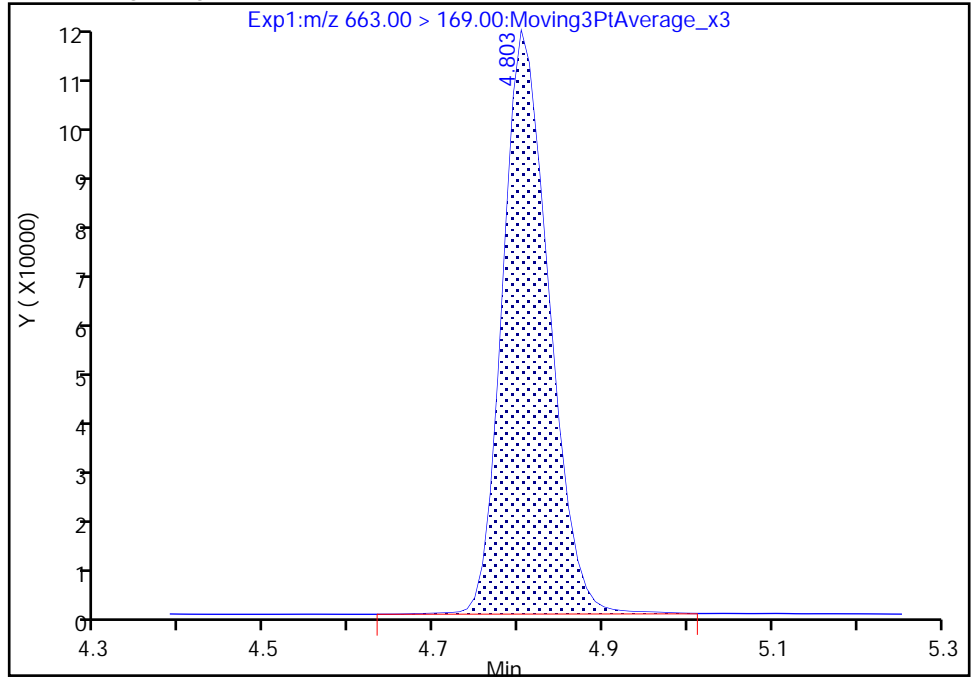
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

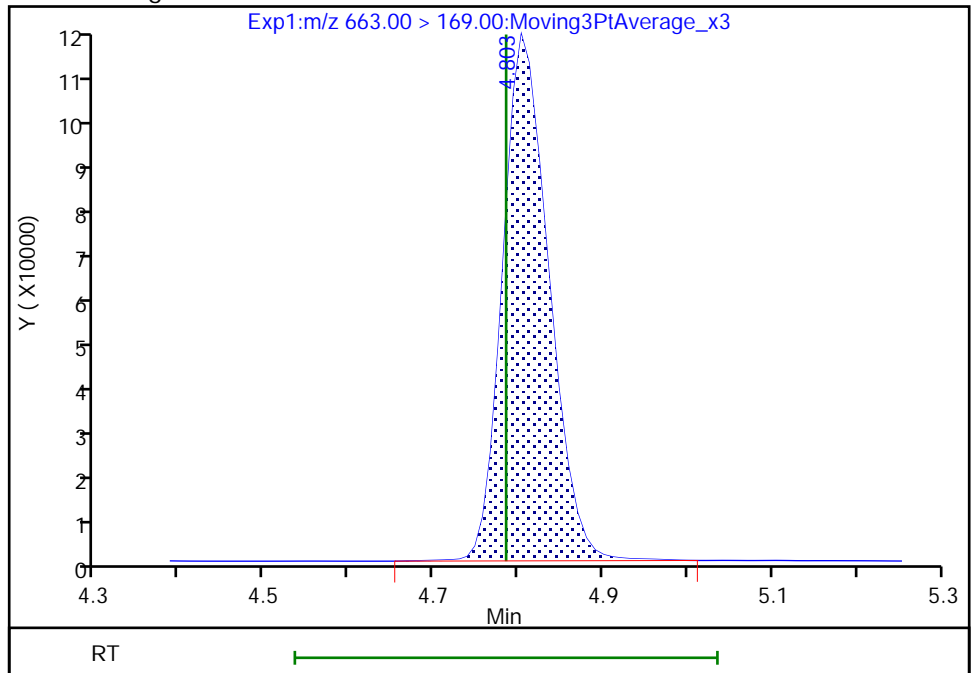
RT: 4.80
Area: 447373
Amount: 2.762880
Amount Units: ng/ml

Processing Integration Results



RT: 4.80
Area: 446667
Amount: 2.757750
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Sep-2022 09:47:51

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

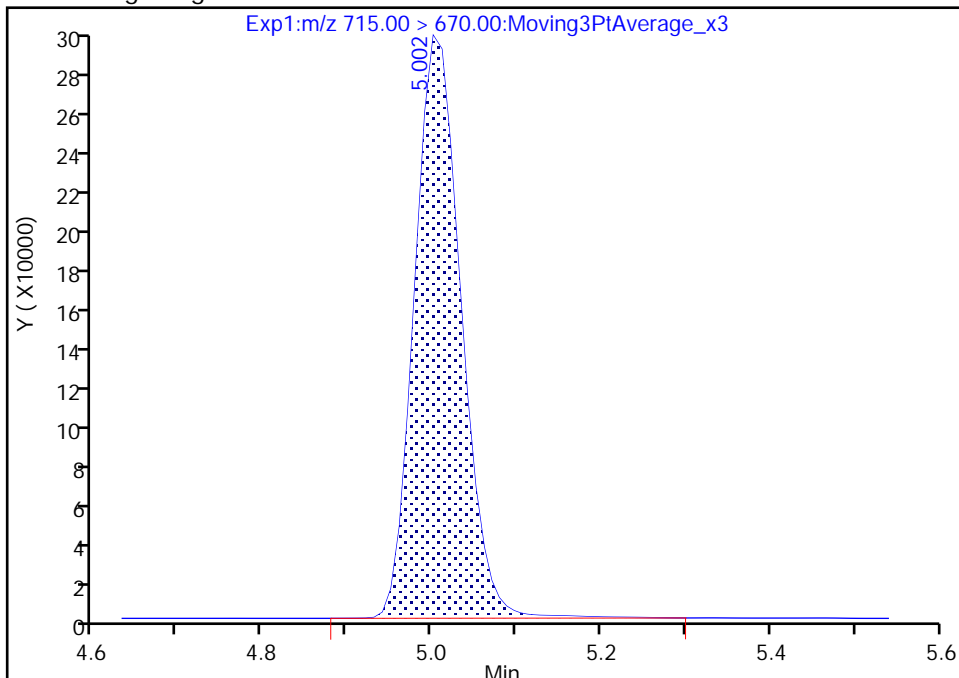
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

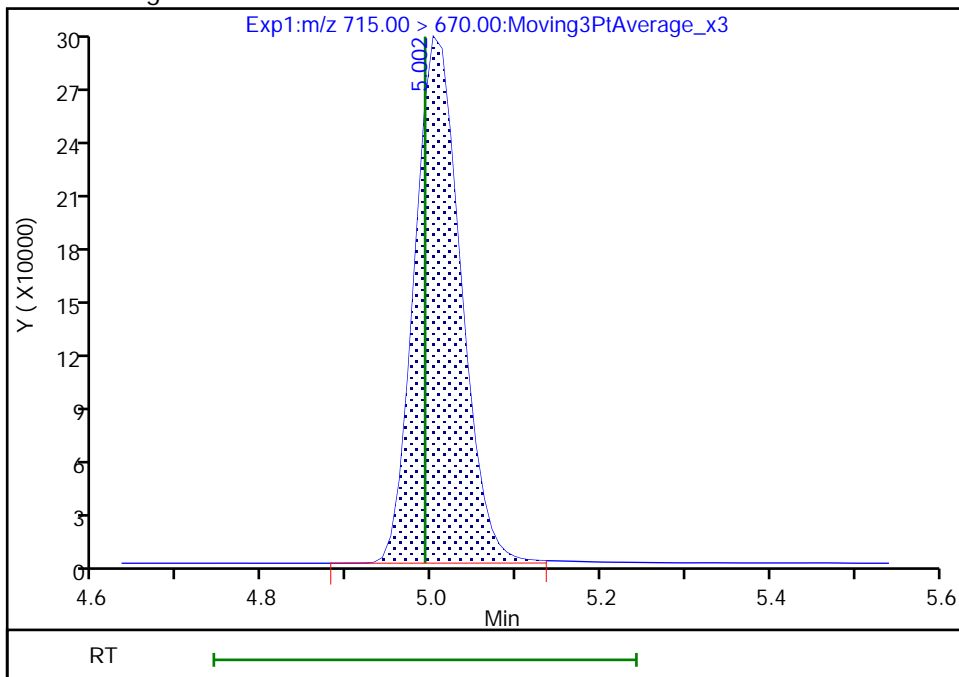
RT: 5.00
Area: 1128250
Amount: 1.373366
Amount Units: ng/ml

Processing Integration Results



RT: 5.00
Area: 1123244
Amount: 1.367272
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:43:10
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

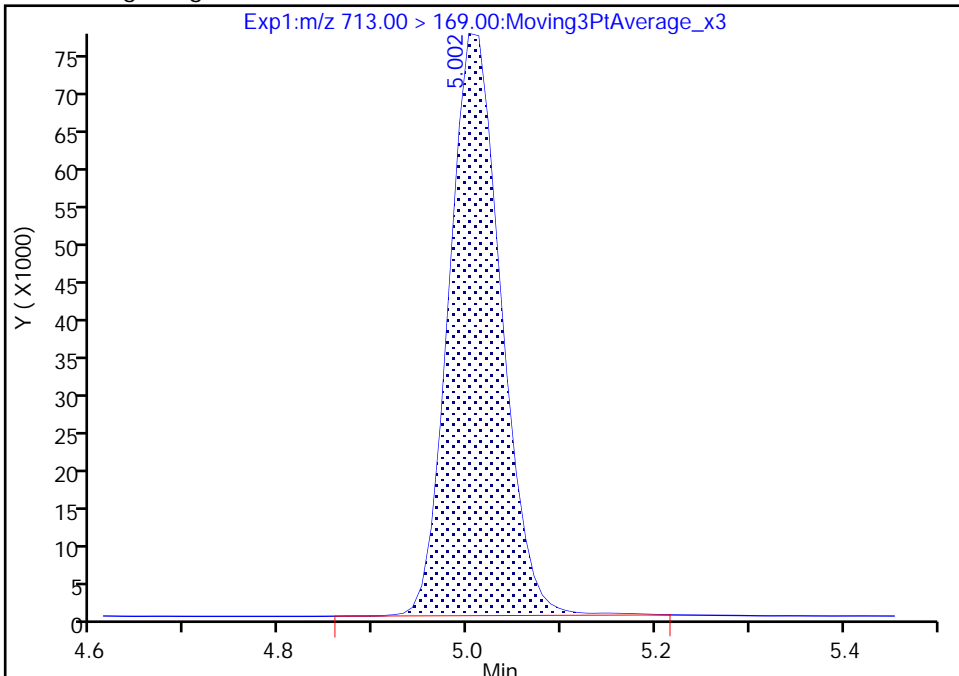
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

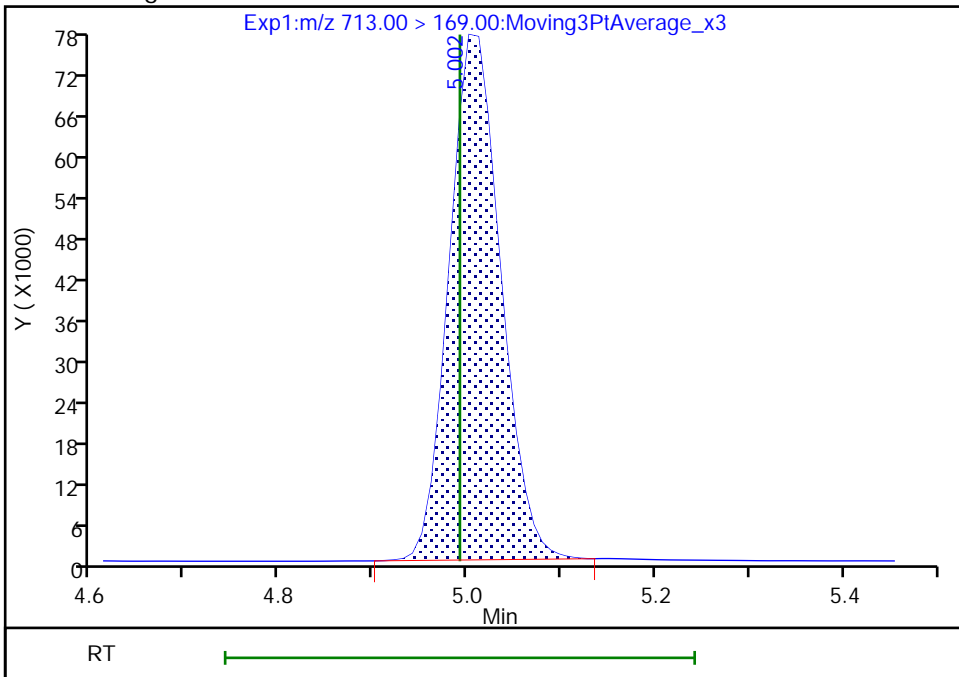
RT: 5.00
Area: 296799
Amount: 2.061605
Amount Units: ng/ml

Processing Integration Results



RT: 5.00
Area: 294519
Amount: 2.045768
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:48:04
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

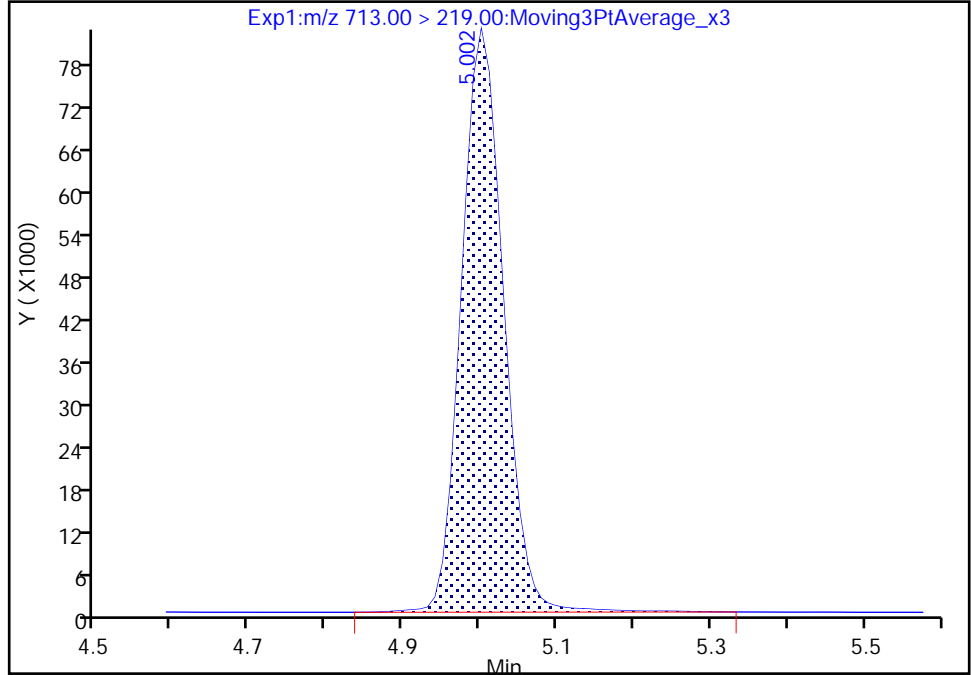
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

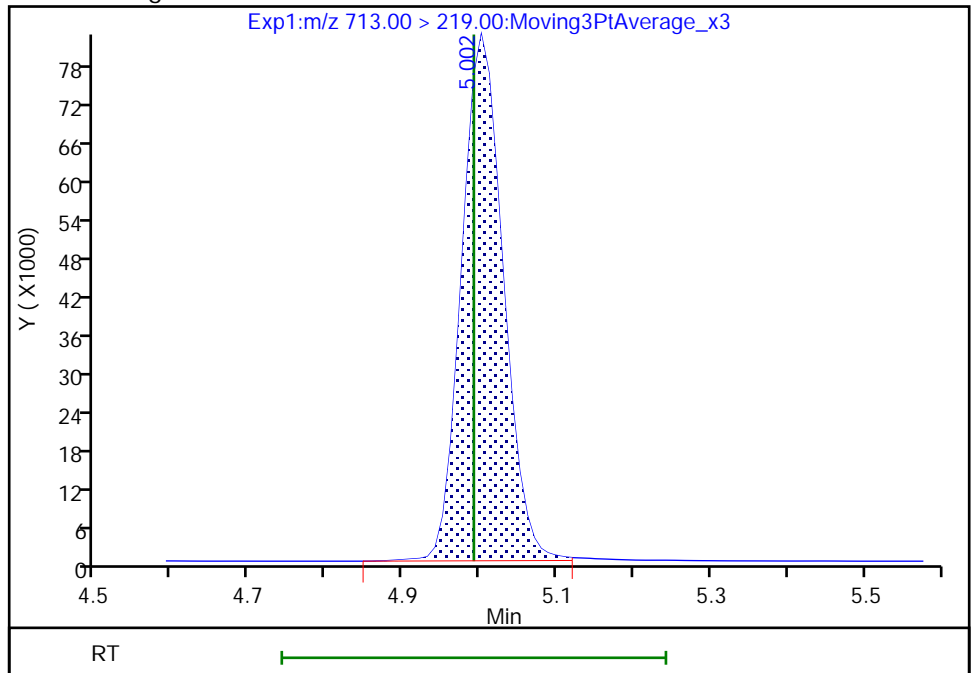
RT: 5.00
Area: 311273
Amount: 2.061605
Amount Units: ng/ml

Processing Integration Results



RT: 5.00
Area: 308433
Amount: 2.045768
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:48:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

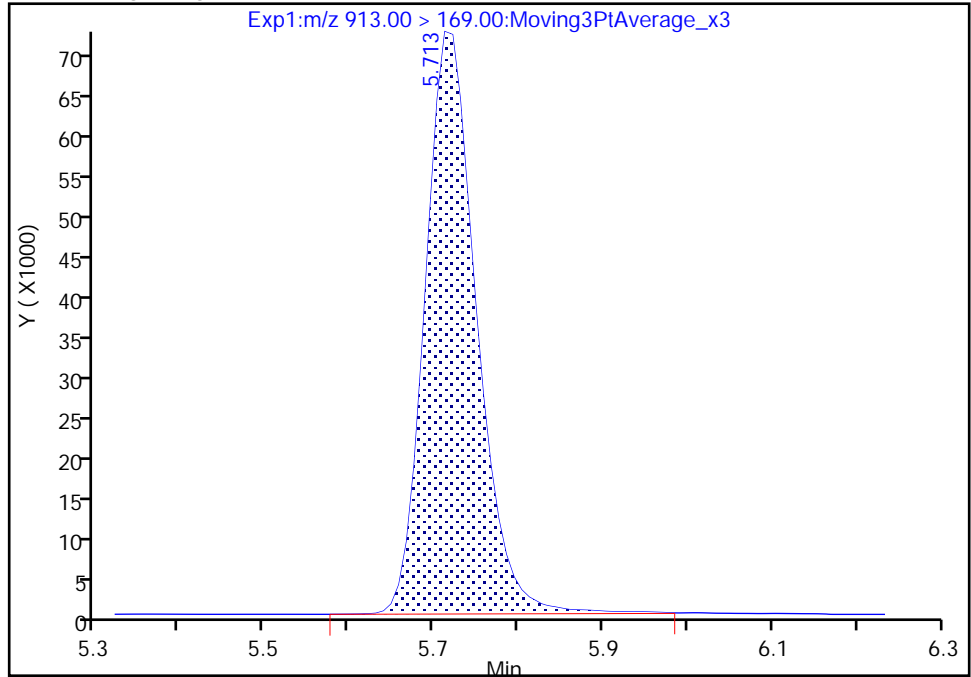
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

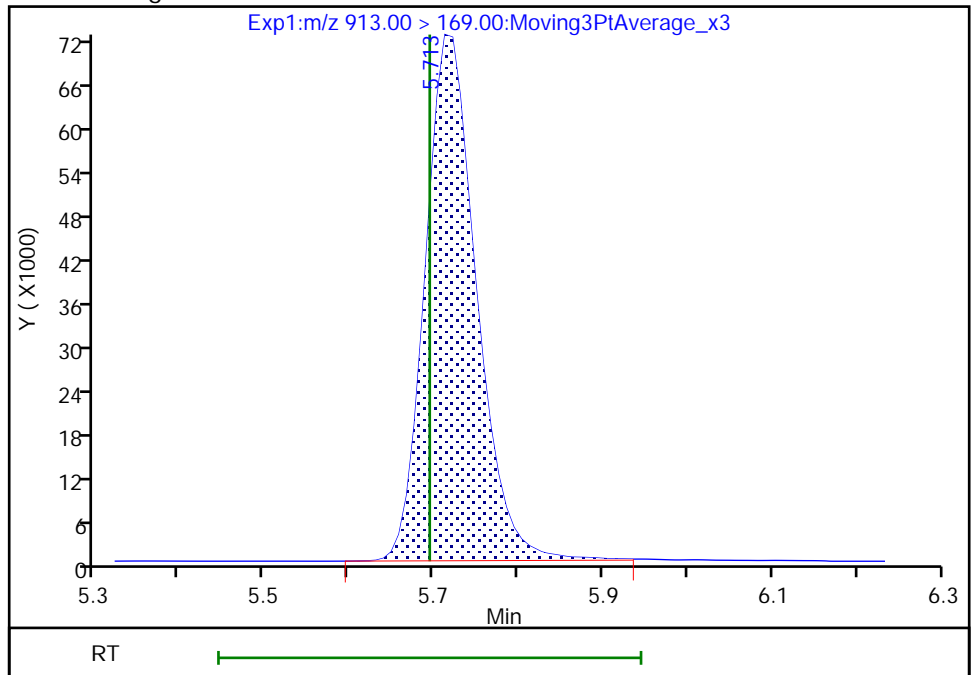
RT: 5.71
Area: 305107
Amount: 2.643573
Amount Units: ng/ml

Processing Integration Results



RT: 5.71
Area: 304127
Amount: 2.630776
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:48:33
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

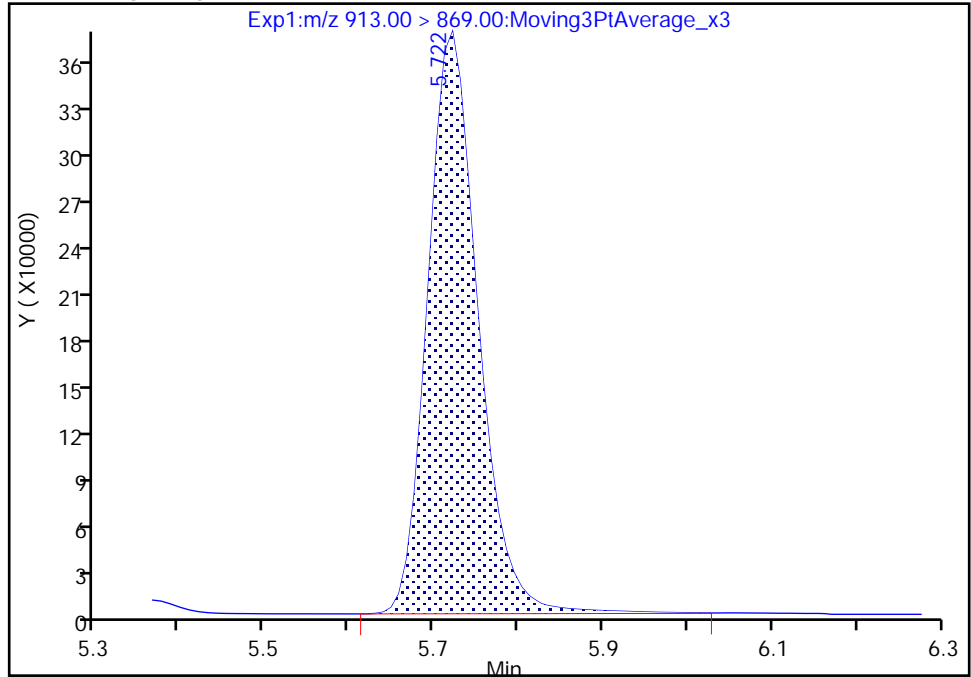
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B16.d
Injection Date: 02-Sep-2022 19:25:52 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

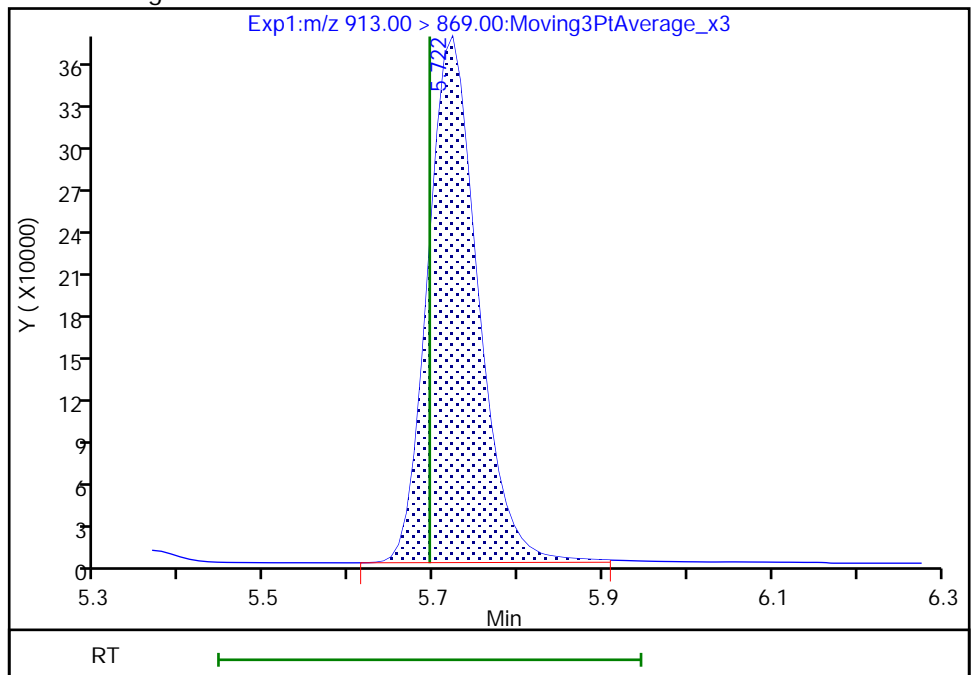
RT: 5.72
Area: 1563464
Amount: 2.643573
Amount Units: ng/ml

Processing Integration Results



RT: 5.72
Area: 1555896
Amount: 2.630776
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Sep-2022 09:48:36

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-264366-1
 SDG No.: _____
 Lab Sample ID: CCV 200-183258/27 Calibration Date: 09/02/2022 20:55
 Instrument ID: LC812 Calib Start Date: 08/03/2022 13:00
 GC Column: C-18 ID: 4.60 (mm) Calib End Date: 08/03/2022 13:41
 Lab File ID: PA220902B27.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	0.9697	0.9513		0.981	1.00	-1.9	
Perfluoropentanoic acid (PFPeA)	AveID	1.031	1.029		0.998	1.00	-0.2	
Perfluorobutanesulfonic acid (PFBS)	AveID	1.104	1.064		0.852	0.884	-3.6	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	2.377	2.705		1.06	0.934	13.8	
Perfluorohexanoic acid (PFHxA)	AveID	1.043	1.037		0.994	1.00	-0.6	
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.297	1.282		0.928	0.938	-1.1	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.075	1.086		1.01	1.00	1.1	
Perfluoroheptanoic acid (PFHpA)	AveID	1.031	1.007		0.977	1.00	-2.3	
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.103	1.069		0.882	0.910	-3.1	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	4.119	4.505		1.03	0.942	9.4	
6:2 FTS	L1ID		1.683		1.08	0.948	13.7	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.236	1.292		0.995	0.952	4.6	
Perfluorooctanoic acid (PFOA)	AveID	1.121	1.053		0.939	1.00	-6.1	
Perfluorooctanesulfonic acid (PFOS)	L1ID		1.058		0.969	0.928	4.4	30.0
Perfluorononanoic acid (PFNA)	AveID	1.017	0.9719		0.955	1.00	-4.5	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	AveID	1.766	2.037		1.08	0.932	15.3	
Perfluorononanesulfonic acid (PFNS)	AveID	0.7830	0.8236		1.01	0.960	5.2	
Perfluorodecanoic acid (PFDA)	AveID	1.052	1.067		1.02	1.00	1.5	
8:2 FTS	AveID	0.9657	1.041		1.03	0.958	7.8	
Perfluorooctanesulfonamide (FOSA)	AveID	1.019	0.9834		0.965	1.00	-3.5	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.8881	0.8865		0.998	1.00	-0.2	
Perfluorodecanesulfonic acid (PFDS)	AveID	0.5827	0.6444		1.07	0.964	10.6	
Perfluoroundecanoic acid (PFUnA)	AveID	1.059	1.054		0.995	1.00	-0.5	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.9079	0.8561		0.943	1.00	-5.7	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF)	AveID	2.299	2.853		1.17	0.942	24.1	
Perfluorododecanoic acid (PFDoA)	AveID	1.014	1.002		0.988	1.00	-1.2	
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	AveID	0.4511	0.6041		1.29	0.964	33.9	
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.2587	0.2549		0.954	0.968	-1.5	

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-264366-1
 SDG No.: _____
 Lab Sample ID: CCV 200-183258/27 Calibration Date: 09/02/2022 20:55
 Instrument ID: LC812 Calib Start Date: 08/03/2022 13:00
 GC Column: C-18 ID: 4.60 (mm) Calib End Date: 08/03/2022 13:41
 Lab File ID: PA220902B27.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorotridecanoic acid (PFTriA)	AveID	0.8791	0.9381		1.07	1.00	6.7	
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1602	0.1449		0.904	1.00	-9.6	
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		0.8971		0.983	1.00	-1.7	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.6649	0.6904		1.04	1.00	3.8	
13C4 PFBA	Ave	1.167	1.246		1.33	1.25	6.7	
13C5 PFPeA	Ave	0.8976	0.9560		1.33	1.25	6.5	
13C3 PFBS	Ave	1.039	1.064		1.19	1.16	2.4	
M2-4:2 FTS	Ave	0.0894	0.0933		1.22	1.17	4.3	
13C2 PFHxA	Ave	0.8962	0.8902		1.24	1.25	-0.7	
13C3 HFPO-DA	Ave	0.1687	0.1545		1.15	1.25	-8.4	
13C4 PFHpA	Ave	0.9296	0.9035		1.22	1.25	-2.8	50.0
18O2 PFHxS	Ave	0.7305	0.7368		1.19	1.18	0.9	50.0
M2-6:2 FTS	Ave	0.1223	0.1346		1.31	1.19	10.1	
13C4 PFOA	Ave	0.9525	0.9216		1.21	1.25	-3.2	50.0
13C4 PFOS	Ave	0.5455	0.5207		1.14	1.20	-4.5	50.0
13C5 PFNA	Ave	0.9889	0.9374		1.19	1.25	-5.2	50.0
13C2 PFDA	Ave	0.9624	0.9255		1.20	1.25	-3.8	
M2-8:2 FTS	Ave	0.1471	0.1853		1.51	1.20	26.0	
13C8 FOSA	Ave	0.8423	0.8646		1.28	1.25	2.6	
d3-NMeFOSAA	Ave	0.1290	0.1561		1.51	1.25	21.0	
13C2 PFUnA	Ave	0.7292	0.7466		1.28	1.25	2.4	
d5-NEtFOSAA	Ave	0.1221	0.1548		1.58	1.25	26.8	
13C2 PFDoA	Ave	0.7556	0.7941		1.31	1.25	5.1	
13C2 PFTeDA	Ave	0.6177	0.7129		1.44	1.25	15.4	
13C2 PFHxDA	Ave	0.7037	0.6875		1.22	1.25	-2.3	

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B27.d
 Lims ID: CCV L4
 Client ID:
 Sample Type: CCV
 Inject. Date: 02-Sep-2022 20:55:50 ALS Bottle#: 27 Worklist Smp#: 27
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: CCV L4
 Misc. Info.: 200-0052318-027 Plate: 1 Rack: 2
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 06-Sep-2022 13:27:08 Calib Date: 03-Aug-2022 13:41:11
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1638

First Level Reviewer: nampitakw Date: 05-Sep-2022 09:54:14

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	2.068	2.068	0.0	0.601	2099854	1.33	107	10268	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.077	2.068	0.008	1.004	1598047	0.9810		98.1	190	M
D 3 13C5 PFPeA	267.90 > 223.00	2.373	2.374	-0.001	0.690	1611568	1.33	106	3447	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.373	2.374	-0.001	1.000	1326523	1.00		99.8	41.0	
D 47 13C3 PFBS	301.90 > 80.00	2.400	2.387	0.013	0.698	1667542	1.19	102	250707	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.400	2.387	0.013	1.000	1349060	0.8520	Target=2.23	96.4	1206	M
298.90 > 99.00	2.400	2.387	0.013	1.000	616297		2.19(1.11-3.34)		499	
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.689	2.677	0.012	1.000	317902	1.06		114	1581	M
D 60 M2-4:2 FTS	329.00 > 81.00	2.689	2.677	0.012	0.782	146907	1.22	104	137	M
D 7 13C2 PFHxA	315.00 > 270.00	2.726	2.713	0.013	0.793	1500676	1.24	99.3	3068	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.726	2.713	0.013	1.000	1245465	0.99	Target=12.24	99.4	250	M
313.00 > 119.00	2.726	2.713	0.013	1.000	95572		13.03(6.12-18.36)		183	M
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.726	2.713	0.013	0.883	1195260	0.9278	Target=2.95	98.9	1214	M
349.00 > 99.00	2.726	2.713	0.013	0.883	389521		3.07(1.48-4.43)		816	
D 64 13C3 HFPO-DA	287.00 > 169.00	2.835	2.823	0.012	0.824	260496	1.15	91.6	1265	M

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	2.823	0.012	1.000	226404	1.01		101	2907	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.088	3.077	0.011	1.000	966669	0.8821	Target=3.43	96.9	876	M
399.00 > 99.00	3.088	3.077	0.011	1.000	265614		3.64(1.72-5.15)		380	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.088	3.077	0.011	0.898	1174971	1.19		101	2843	
D 9 13C4 PFHpA										
367.00 > 322.00	3.088	3.077	0.011	0.898	1523172	1.21		97.2	2116	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.088	3.077	0.011	1.000	1226636	0.9768	Target=3.73	97.7	305	M
363.00 > 169.00	3.088	3.077	0.011	1.000	325999		3.76(1.86-5.59)		661	M
77 DONA										
377.00 > 251.00	3.132	3.110	0.022	0.834	2980144	1.03	Target=2.84	109	2785	
377.00 > 85.00	3.132	3.110	0.022	0.834	993949		3.00(1.42-4.26)		1127	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.430	3.422	0.008	0.997	215627	1.31		110	543	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.430	3.422	0.008	1.000	289629	1.08		114	515	
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.430	3.422	0.008	0.914	864013	1.00	Target=4.89	105	1543	M
449.00 > 99.00	3.430	3.422	0.008	0.914	170240		5.08(2.44-7.33)		771	M
D 14 13C4 PFOA										
417.00 > 372.00	3.439	3.430	0.009	1.000	1553630	1.21		96.8	2687	
* 62 13C2 PFOA										
415.00 > 370.00	3.439	3.430	0.009		1685816	1.25			3275	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.439	3.430	0.009	1.000	1308816	0.9390	Target=2.67	93.9	84.4	
413.00 > 169.00	3.439	3.430	0.009	1.000	480738		2.72(1.34-4.01)		749	M
D 18 13C4 PFOS										
503.00 > 80.00	3.754	3.745	0.009	1.092	839228	1.14		95.5	1717	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.754	3.745	0.009	1.000	689821	0.9688	Target=4.88	104	455	M
499.00 > 99.00	3.754	3.745	0.009	1.000	138643		4.98(2.44-7.32)		514	M
D 19 13C5 PFNA										
468.00 > 423.00	3.774	3.764	0.010	1.097	1580206	1.18		94.8	2926	
20 Perfluorononanoic acid										M
463.00 > 419.00	3.783	3.764	0.019	1.003	1228581	0.9551	Target=8.23	95.5	276	
463.00 > 169.00	3.783	3.764	0.019	1.003	149420		8.22(4.11-12.34)		1039	M
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.928	3.916	0.012	1.046	1333212	1.07		115	3076	
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.051	4.042	0.009	1.079	555258	1.01	Target=2.53	105	1364	M
549.00 > 99.00	4.051	4.042	0.009	1.079	223613		2.48(1.26-3.79)		938	
D 23 13C2 PFDA										M
515.00 > 470.00	4.081	4.061	0.020	1.187	1560287	1.20		96.2	2570	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	4.061	0.020	1.000	1332114	1.01	Target=9.67	101	477	
513.00 > 169.00	4.081	4.061	0.020	1.000	142504		9.35(4.83-14.50)		340	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.093	4.071	0.022	1.190	299268	1.51		126	732	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.093	4.071	0.022	1.000	249270	1.03		108	676	
D 21 13C8 FOSA										
506.00 > 78.00	4.139	4.127	0.012	1.203	1457495	1.28		103	1853	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.139	4.127	0.012	1.000	1146610	0.9650		96.5	1756	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.218	4.207	0.011	1.226	263097	1.51		121	757	
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.228	4.218	0.010	1.002	186588	1.00		99.8	447	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.320	4.308	0.012	1.151	436293	1.07	Target=2.80	111	1656	M
599.00 > 99.00	4.320	4.308	0.012	1.151	167424		2.61(1.40-4.20)		920	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.354	4.342	0.012	1.266	1258578	1.28		102	1408	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.354	4.342	0.012	1.000	1061298	0.99	Target=9.07	99.5	443	
563.00 > 169.00	4.354	4.342	0.012	1.000	106174		10.00(4.54-13.61)		699	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.354	4.342	0.012	1.266	260913	1.58		127	880	
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.365	4.354	0.011	1.003	178684	0.9429		94.3	823	M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.454	4.432	0.022	1.186	1887213	1.17		124	3678	
D 36 13C2 PFDaA										
615.00 > 570.00	4.591	4.580	0.011	1.335	1338649	1.31		105	2206	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.591	4.580	0.011	1.000	1072534	0.9876	Target=6.97	98.8	144	M
613.00 > 169.00	4.591	4.580	0.011	1.000	155803		6.88(3.48-10.45)		1760	M
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.612	4.602	0.010	1.127	145535	1.29		134	1216	
75 Perfluorododecanesulfonic acid (
699.00 > 80.00	4.767	4.758	0.009	1.270	173291	0.9538	Target=0.52	98.5	793	
699.00 > 99.00	4.767	4.758	0.009	1.270	344730		0.50(0.26-0.79)		1748	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.803	4.785	0.018	1.046	1004598	1.07	Target=4.56	107	143	M
663.00 > 169.00	4.803	4.785	0.018	1.046	213561		4.70(2.28-6.84)		1080	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.002	4.992	0.010	1.454	1201769	1.44		115	3336	M
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.002	4.992	0.010	1.000	139281	0.9042	Target=0.94	90.4	1065	
713.00 > 219.00	5.002	4.992	0.010	1.000	149265		0.93(0.47-1.41)		928	M

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	5.344	0.022	1.560	1158945	1.22		97.7	3494	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.366	5.344	0.022	1.000	831796	0.9828	Target=4.38	98.3	173	
813.00 > 169.00	5.366	5.344	0.022	1.000	172609		4.82(2.19-6.57)		1114	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.713	5.695	0.018	1.065	640079	1.04	Target=4.31	104	180	M
913.00 > 169.00	5.713	5.695	0.018	1.065	131196		4.88(2.16-6.47)		626	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC4_00033

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B27.d

Injection Date: 02-Sep-2022 20:55:50

Instrument ID: LC812

Lims ID: CCV L4

Client ID:

Operator ID: lc812tech

ALS Bottle#: 27

Worklist Smp#: 27

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

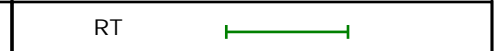
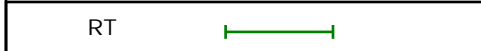
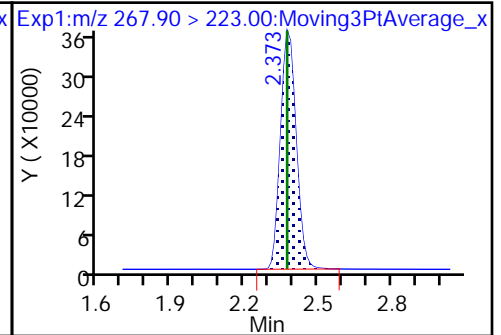
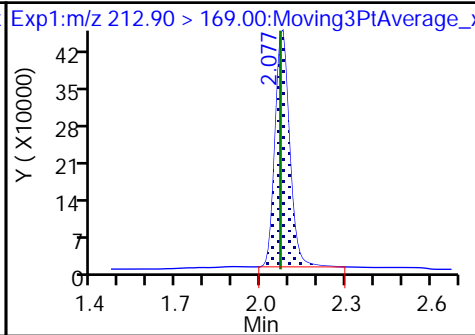
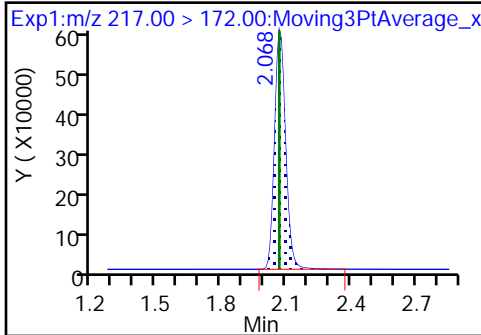
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

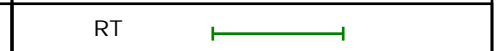
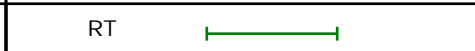
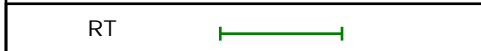
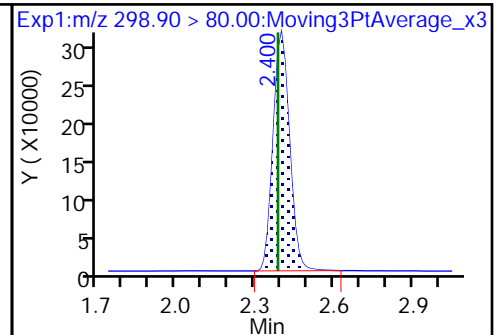
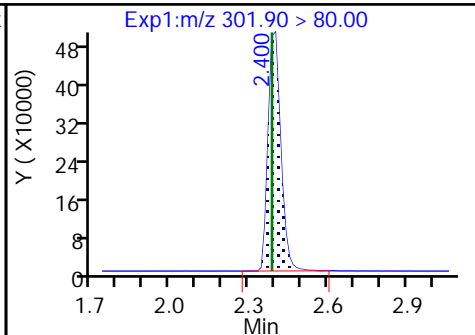
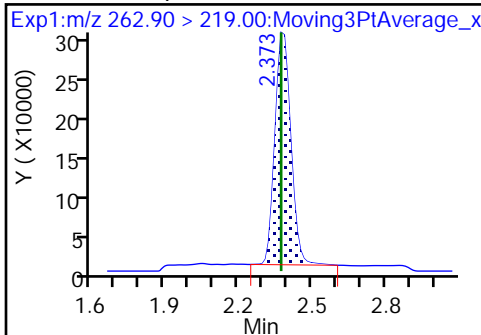
D 3 13C5 PFPeA



4 Perfluoropentanoic acid

D 47 13C3 PFBS

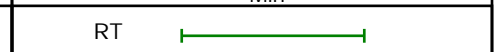
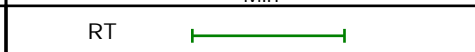
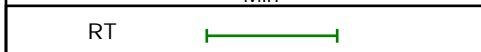
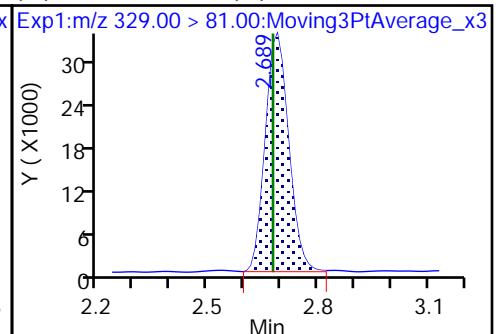
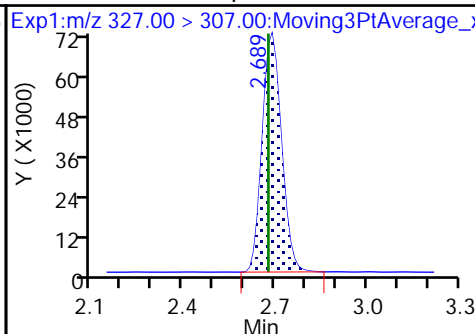
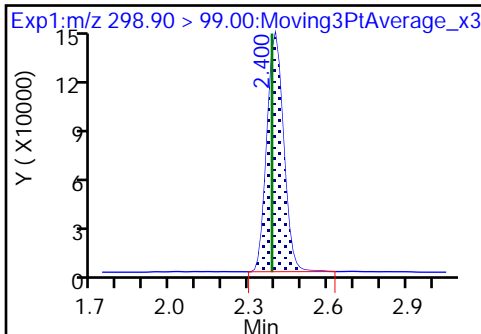
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid

61 1H,1H,2H,2H-perfluorohexanesulfo (M)

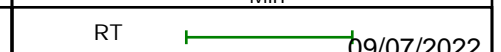
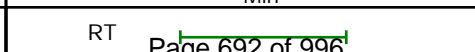
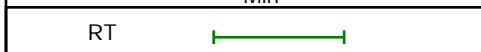
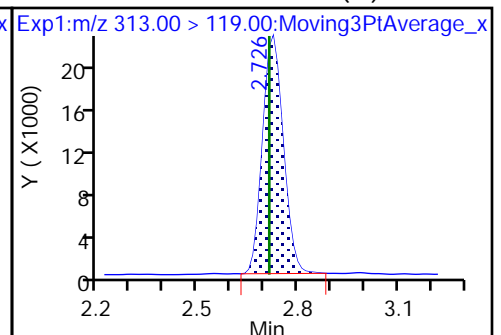
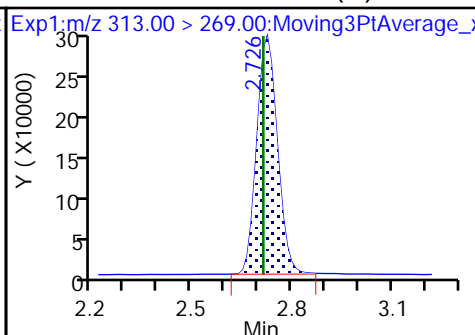
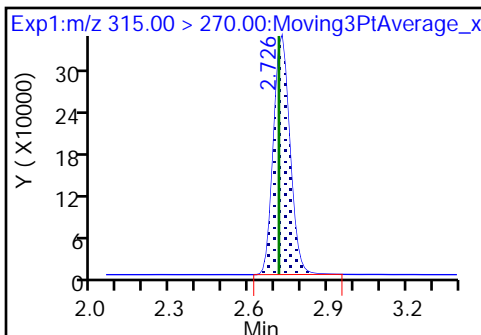
60 M2-4:2 FTS (M)



D 7 13C2 PFHxA

6 Perfluorohexanoic acid (M)

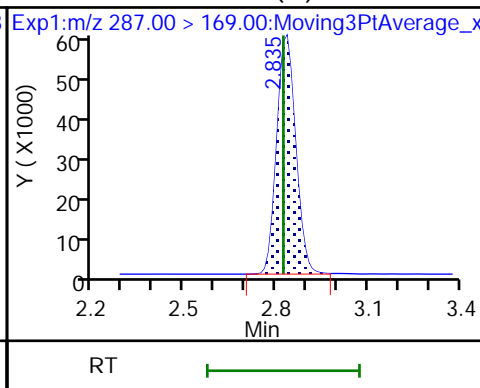
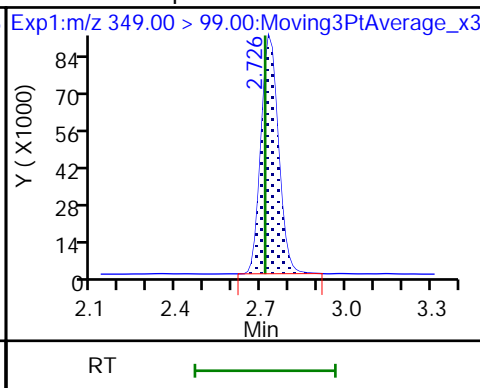
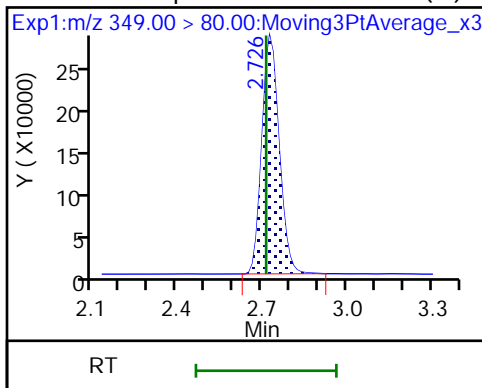
6 Perfluorohexanoic acid (M)



70 Perfluoropentanesulfonic acid (M)

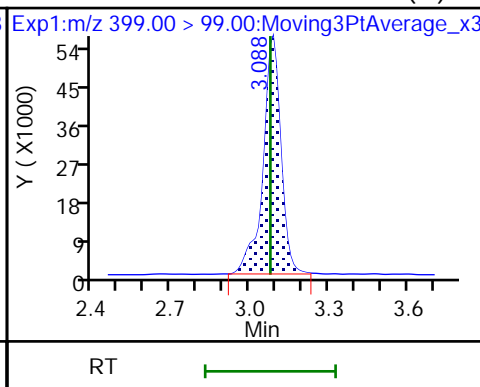
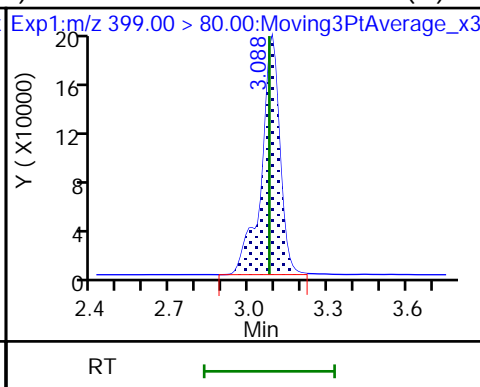
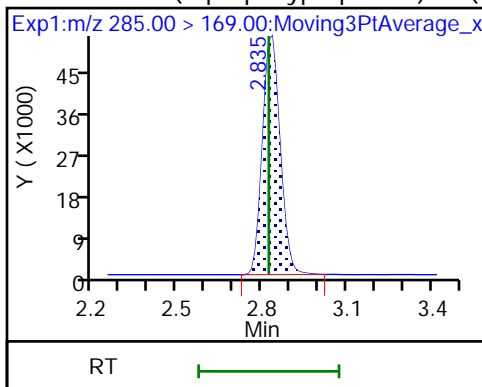
70 Perfluoropentanesulfonic acid

D 64 13C3 HFPO-DA (M)



67 Perfluoro(2-propoxypropanoic) ac (M) 8 Perfluorohexanesulfonic acid (M)

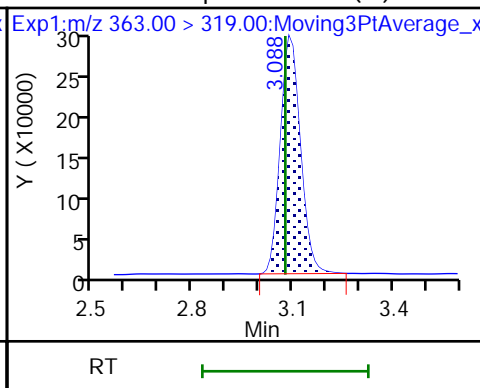
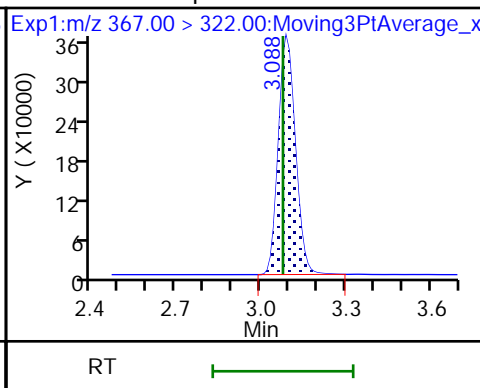
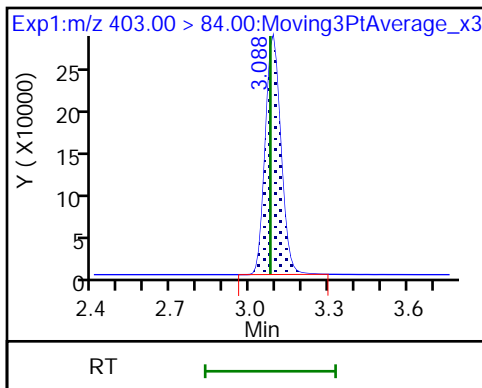
8 Perfluorohexanesulfonic acid (M)



D 11 18O2 PFHxS

D 9 13C4 PFHpA

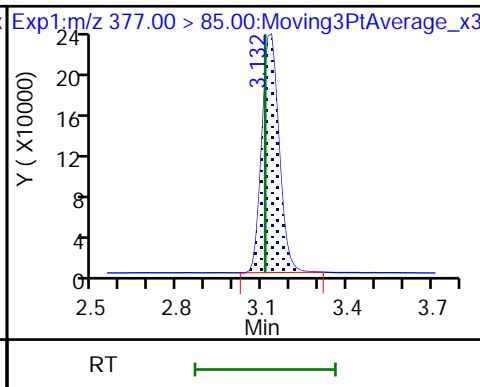
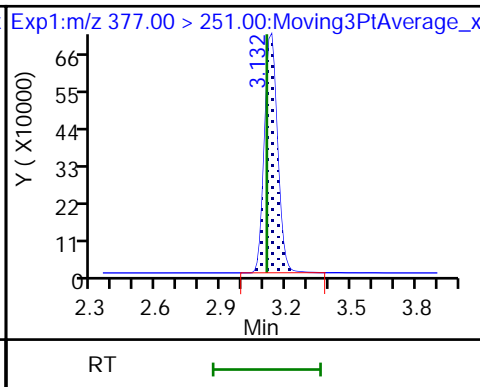
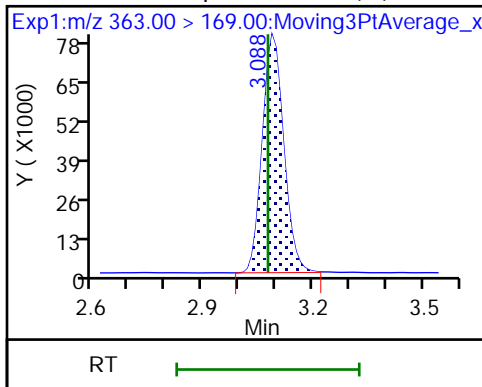
10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid (M)

77 DONA

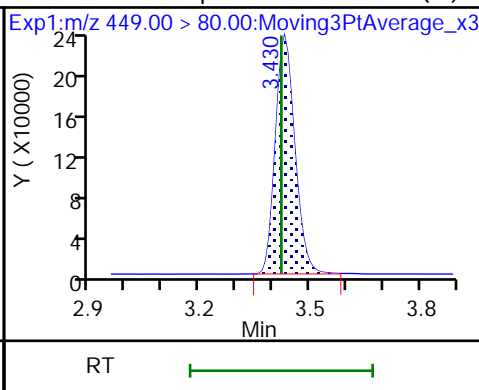
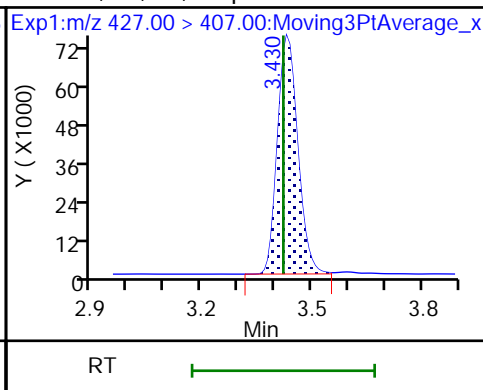
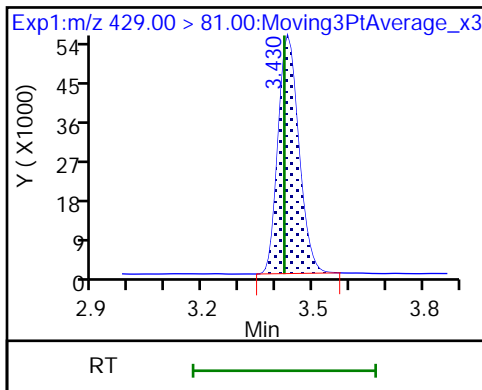
77 DONA



D 12 M2-6:2 FTS

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

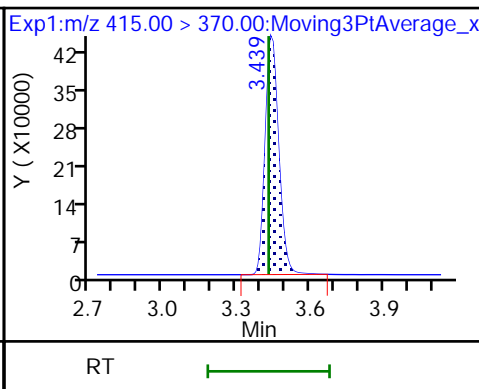
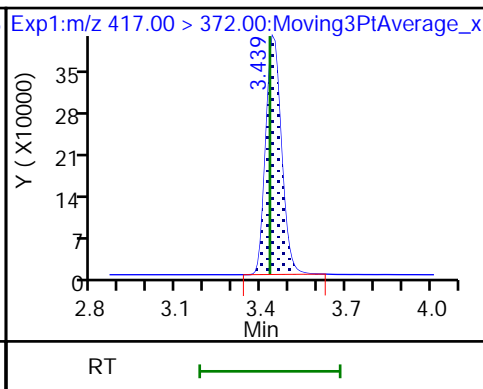
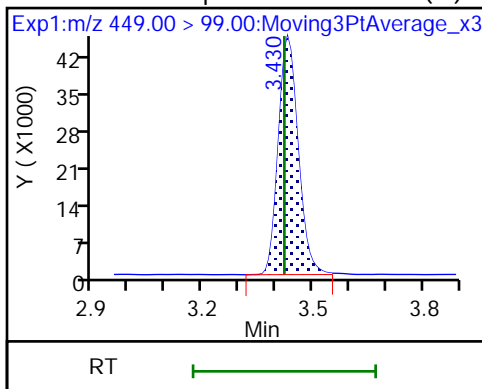
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

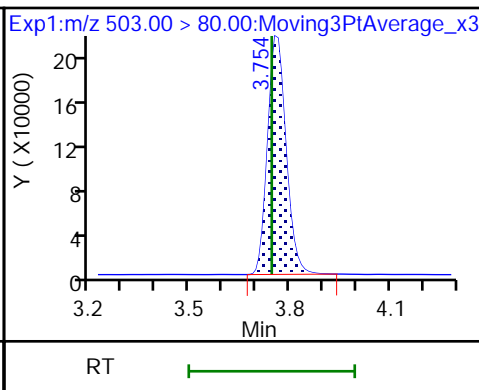
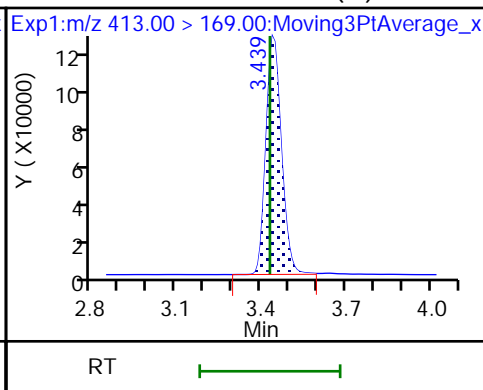
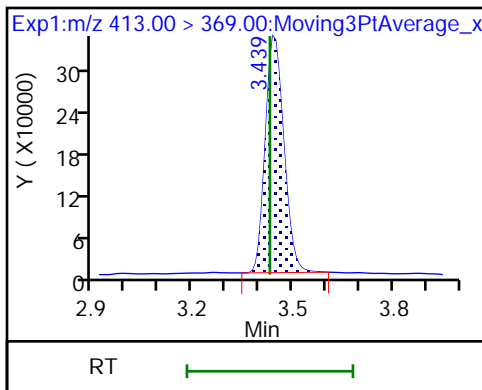
* 62 13C2 PFOA



15 Perfluorooctanoic acid

15 Perfluorooctanoic acid (M)

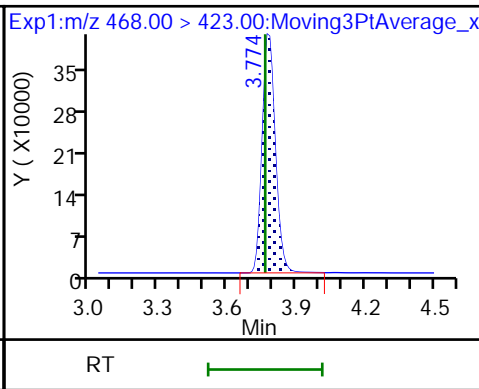
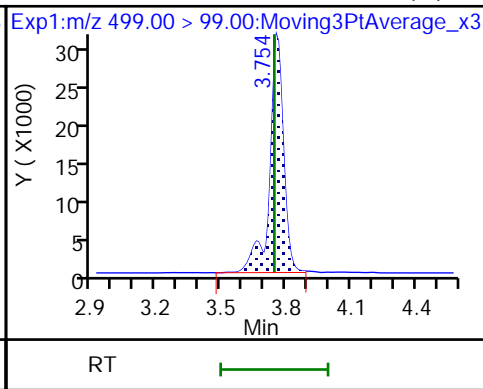
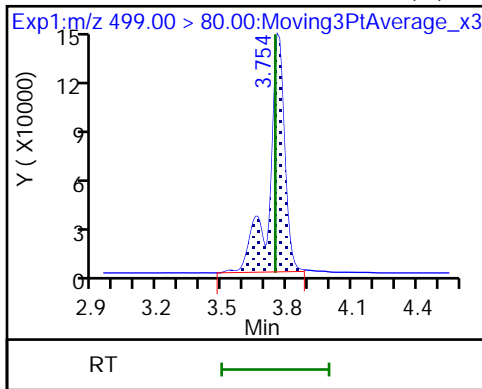
D 18 13C4 PFOS

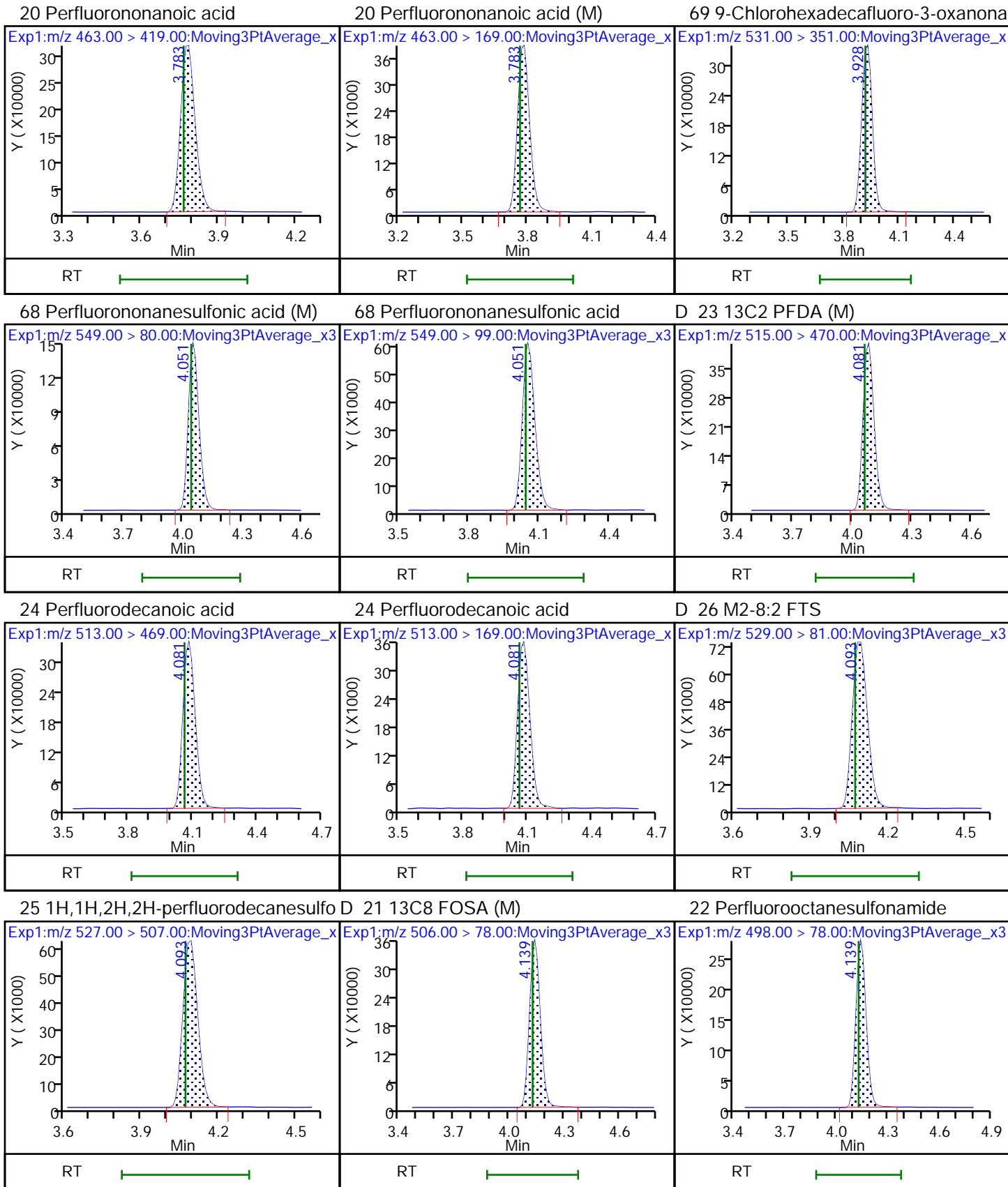


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

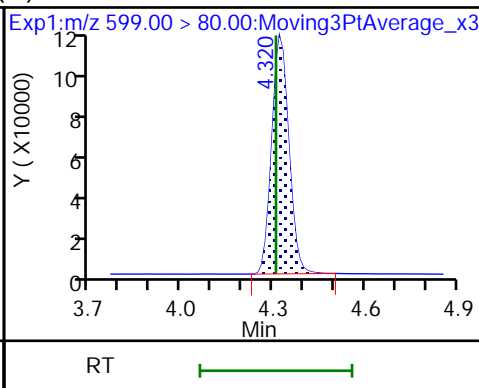
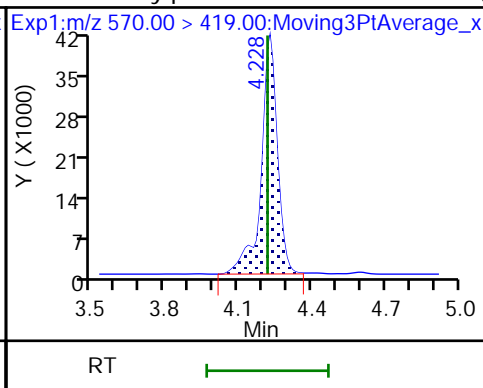
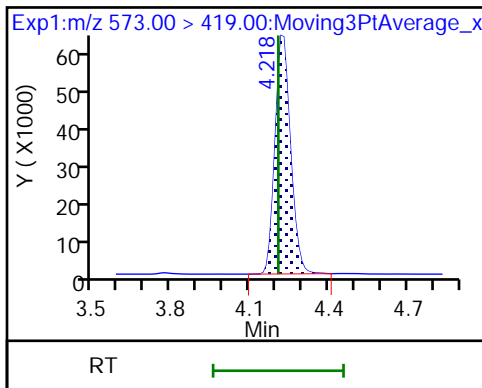
D 19 13C5 PFNA





D 27 d3-NMeFOSAA

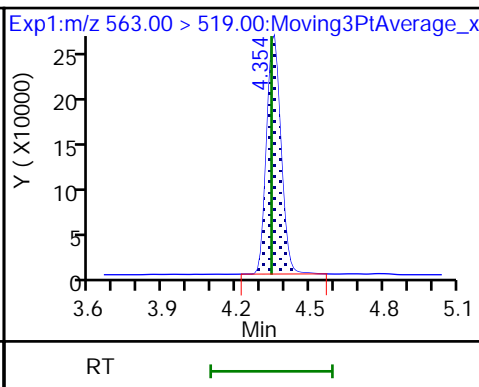
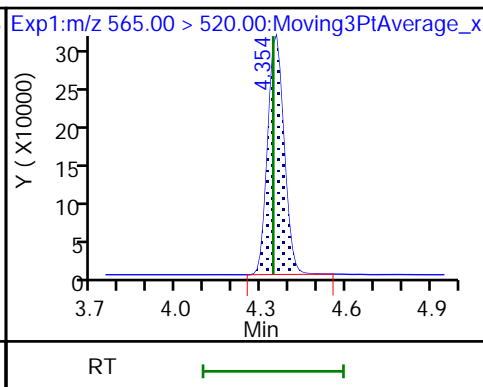
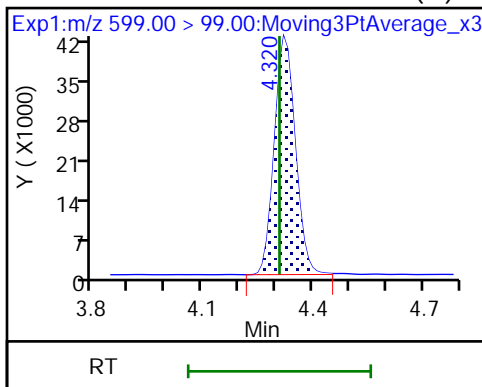
28 N-methylperfluorooctanesulfonami (M) 29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUoA

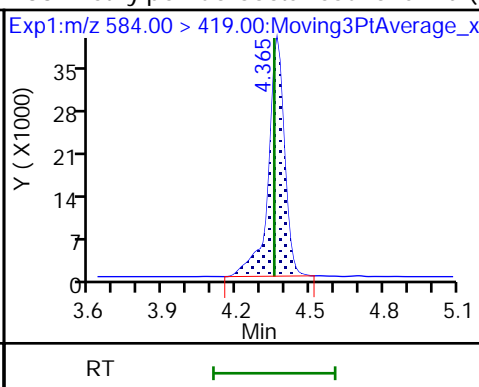
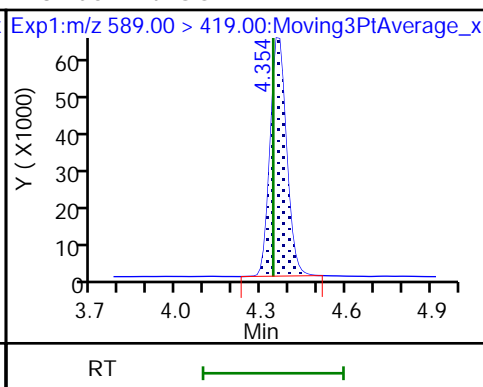
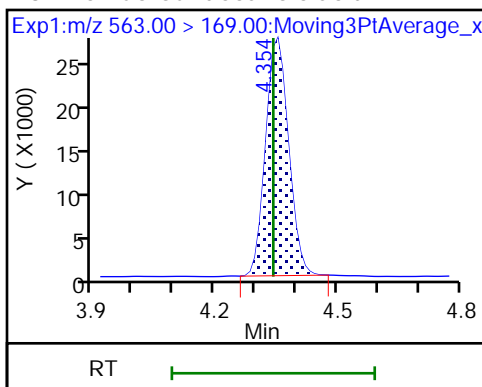
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid

D 32 d5-NEtFOSAA

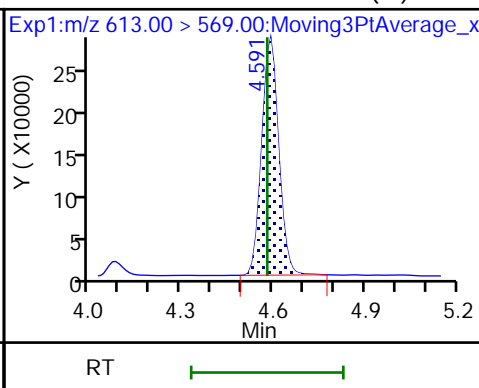
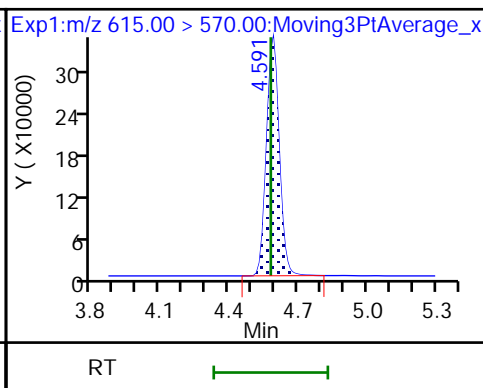
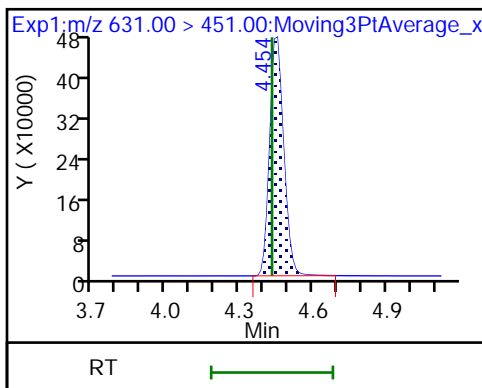
33 N-ethylperfluorooctanesulfonamid (M)



66 11-Chloroeicosafuoro-3-oxaundec

D 36 13C2 PFDoA

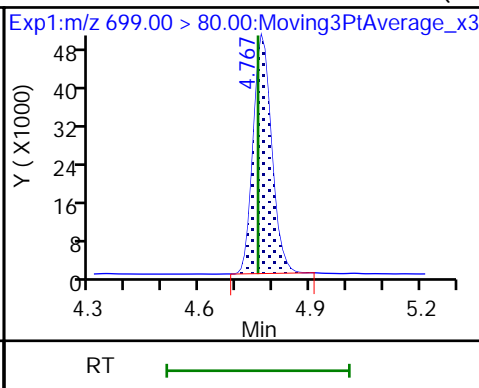
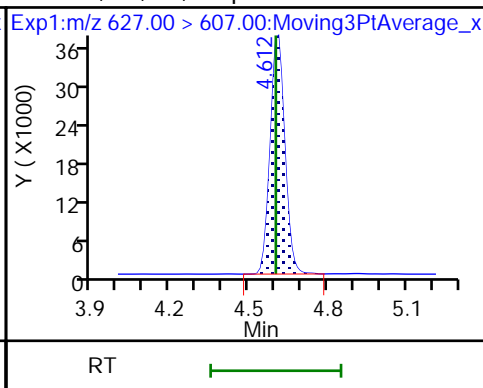
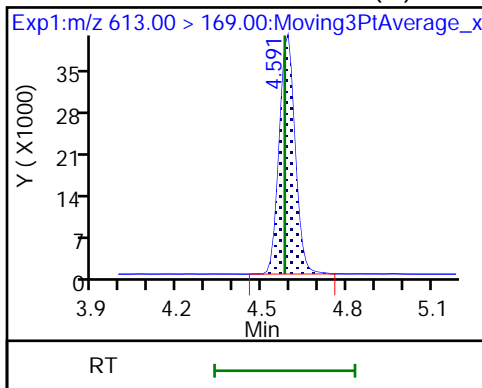
37 Perfluorododecanoic acid (M)



37 Perfluorododecanoic acid (M)

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

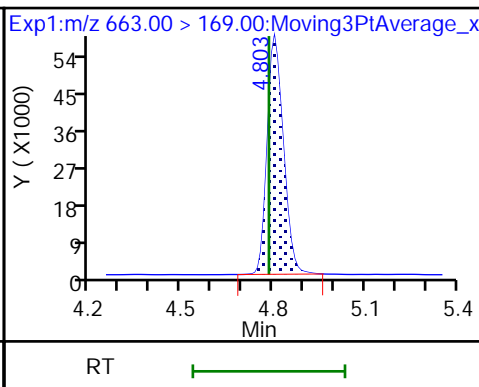
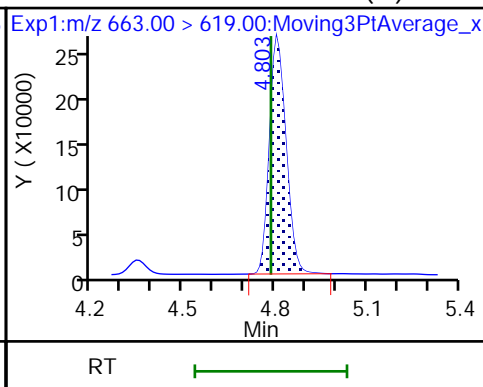
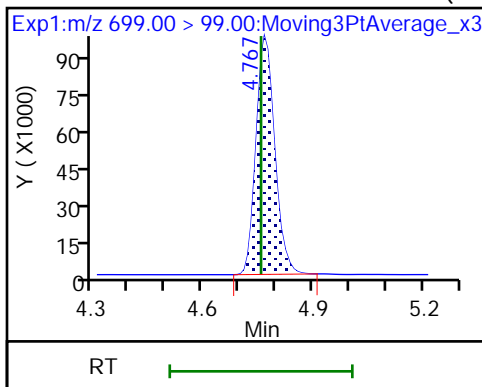
75 Perfluorododecanesulfonic acid (



75 Perfluorododecanesulfonic acid (

41 Perfluorotridecanoic acid (M)

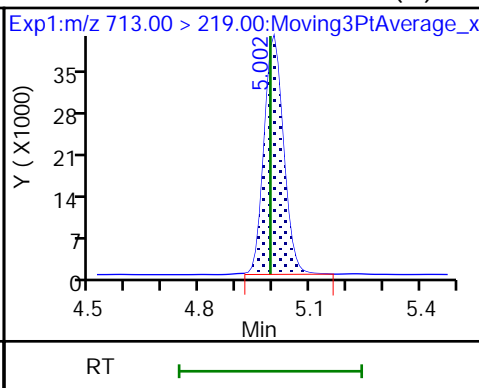
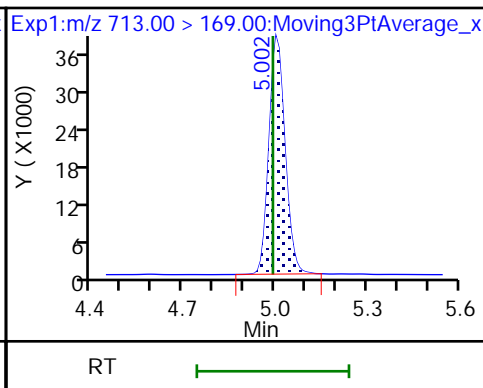
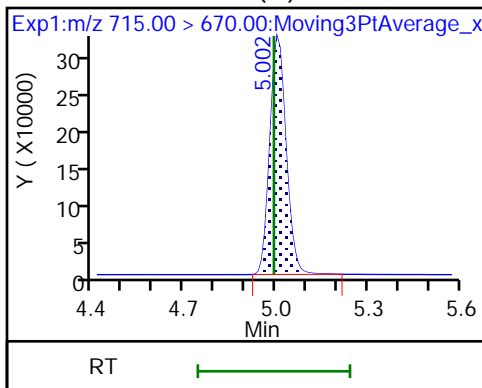
41 Perfluorotridecanoic acid



D 43 13C2 PFTeDA (M)

42 Perfluorotetradecanoic acid

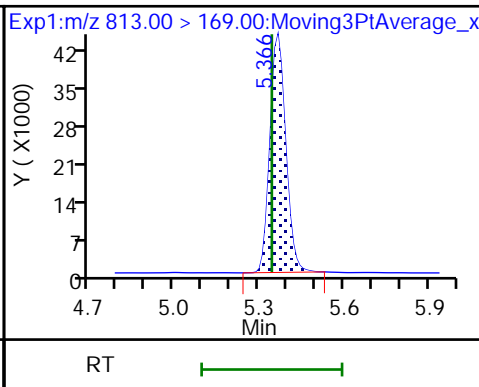
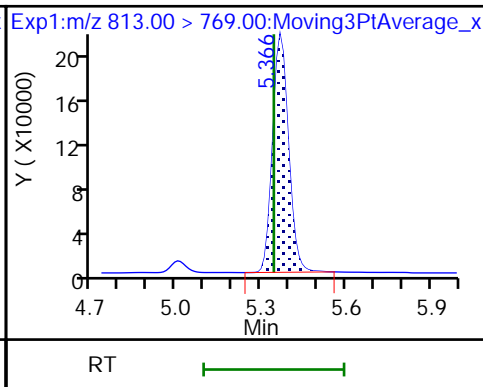
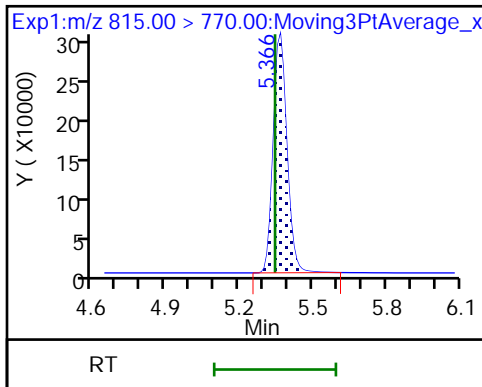
42 Perfluorotetradecanoic acid (M)



D 44 13C2 PFHxDA

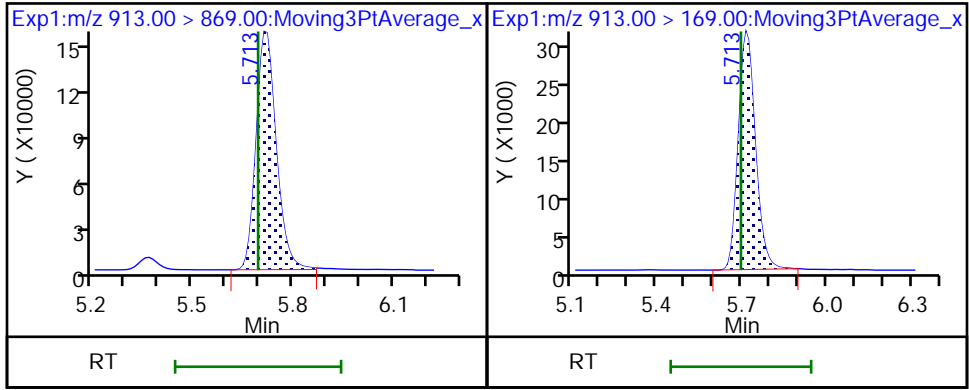
45 Perfluorohexadecanoic acid

45 Perfluorohexadecanoic acid



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid



Eurofins Burlington

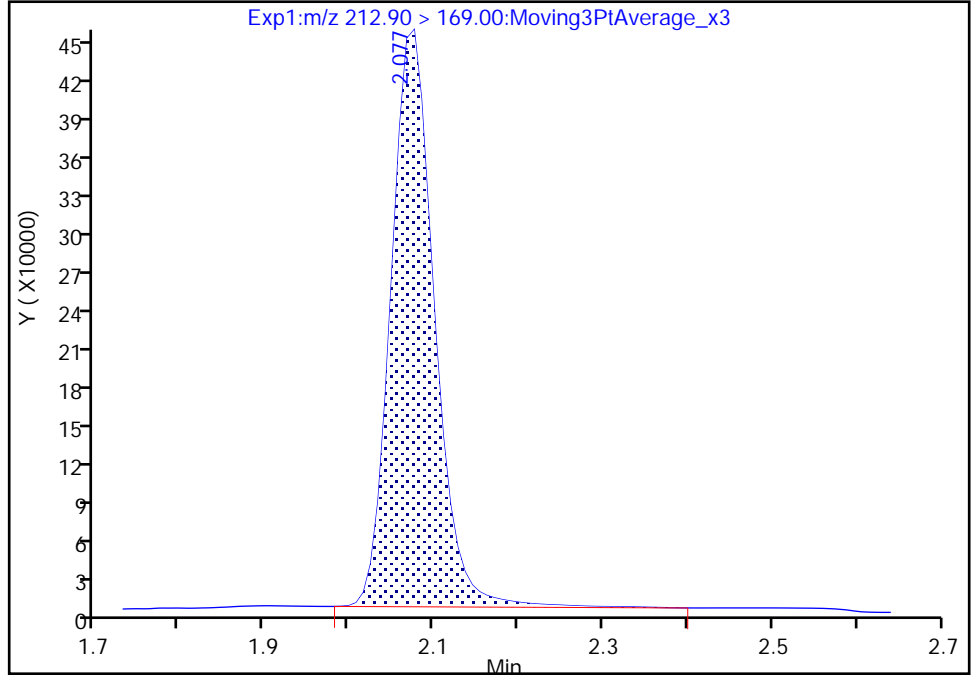
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B27.d
Injection Date: 02-Sep-2022 20:55:50 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

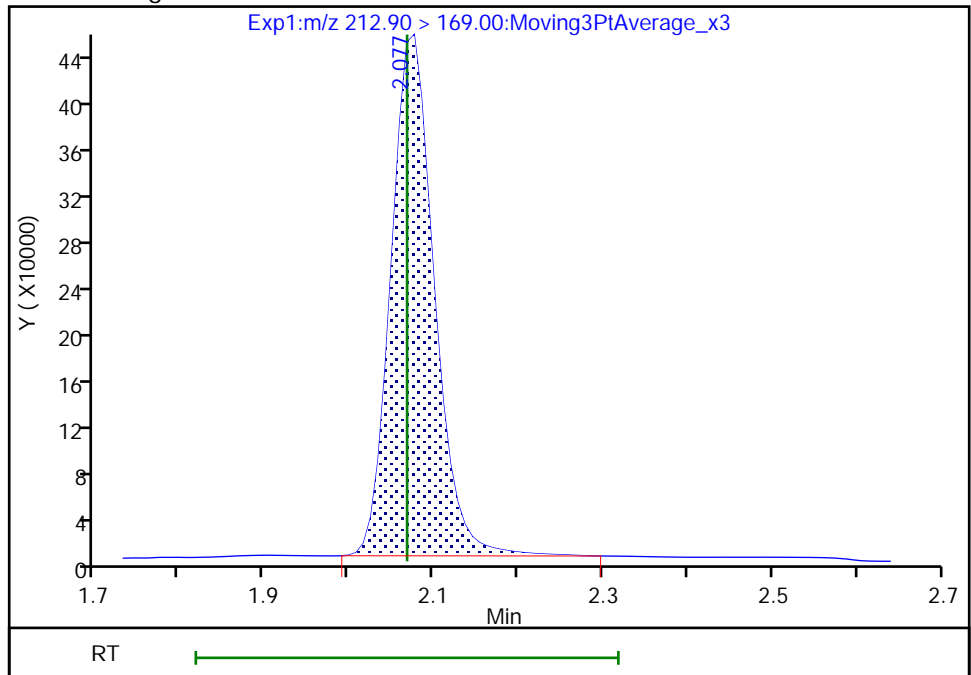
RT: 2.08
Area: 1609365
Amount: 0.987967
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 1598047
Amount: 0.981019
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:50:23
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

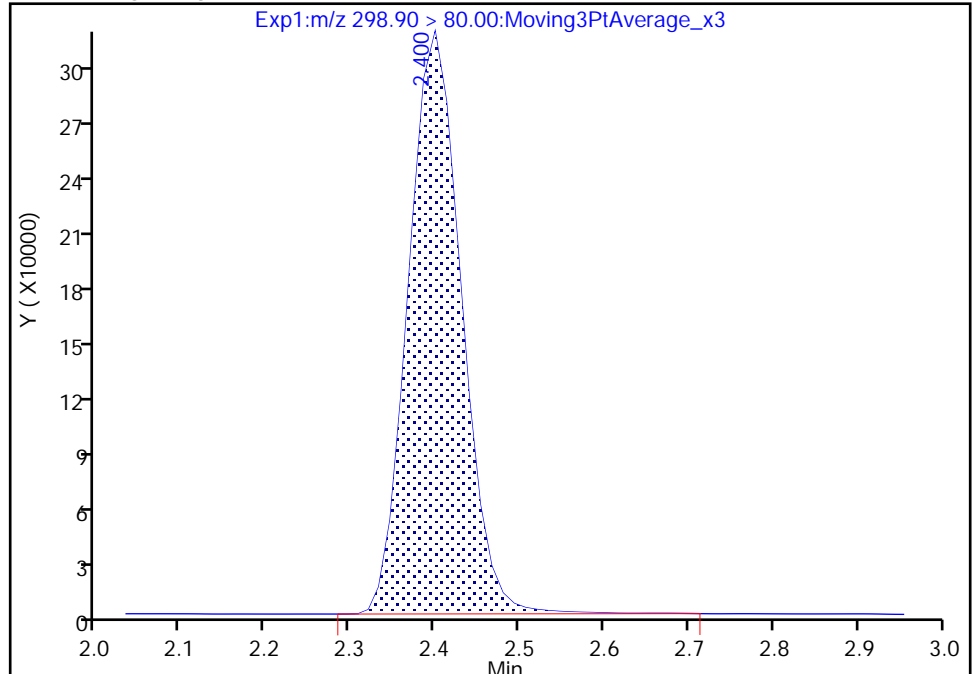
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B27.d
Injection Date: 02-Sep-2022 20:55:50 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

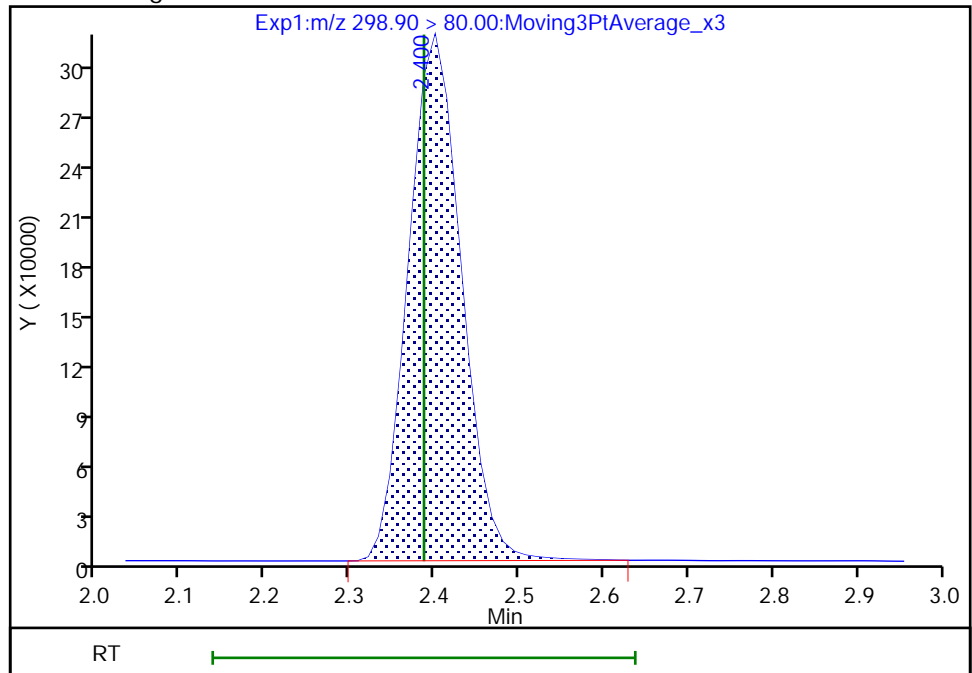
RT: 2.40
Area: 1352154
Amount: 0.853955
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 1349060
Amount: 0.852001
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:50:33
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

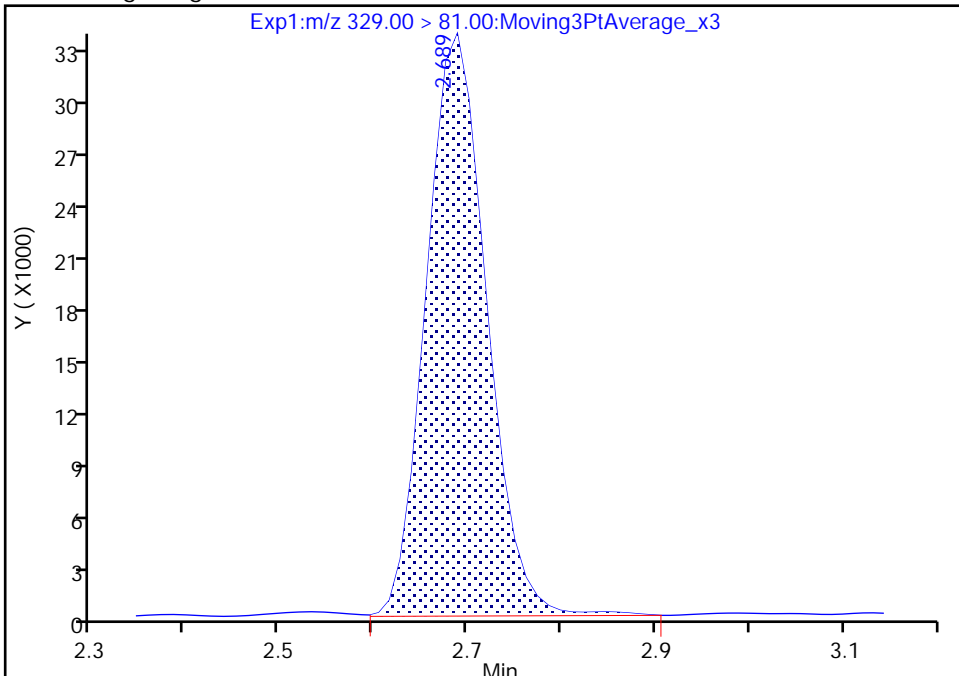
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B27.d
Injection Date: 02-Sep-2022 20:55:50 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 60 M2-4:2 FTS, CAS: STL02395

Signal: 1

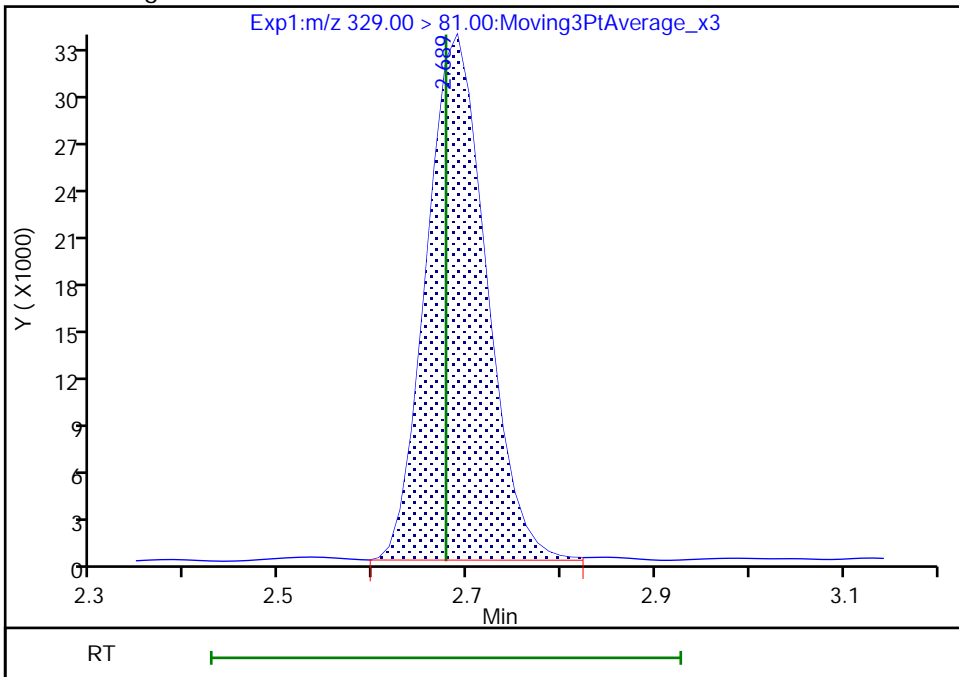
RT: 2.69
Area: 148260
Amount: 1.229421
Amount Units: ng/ml

Processing Integration Results



RT: 2.69
Area: 146907
Amount: 1.218201
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:49:25
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

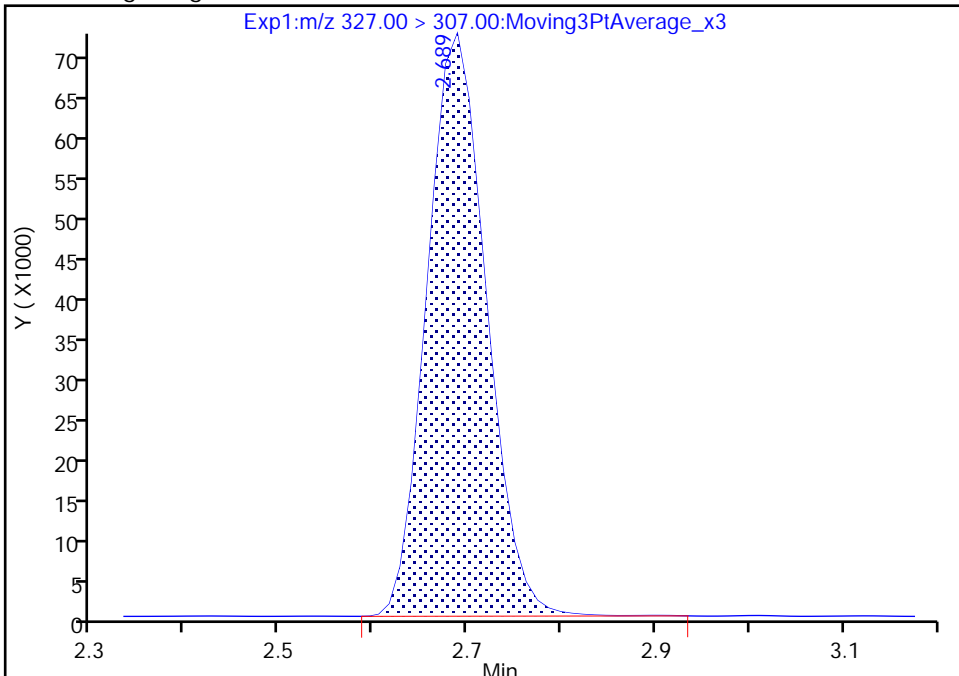
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B27.d
Injection Date: 02-Sep-2022 20:55:50 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

61 1H,1H,2H,2H-perfluorohexanesulfo, CAS: 757124-72-4

Signal: 1

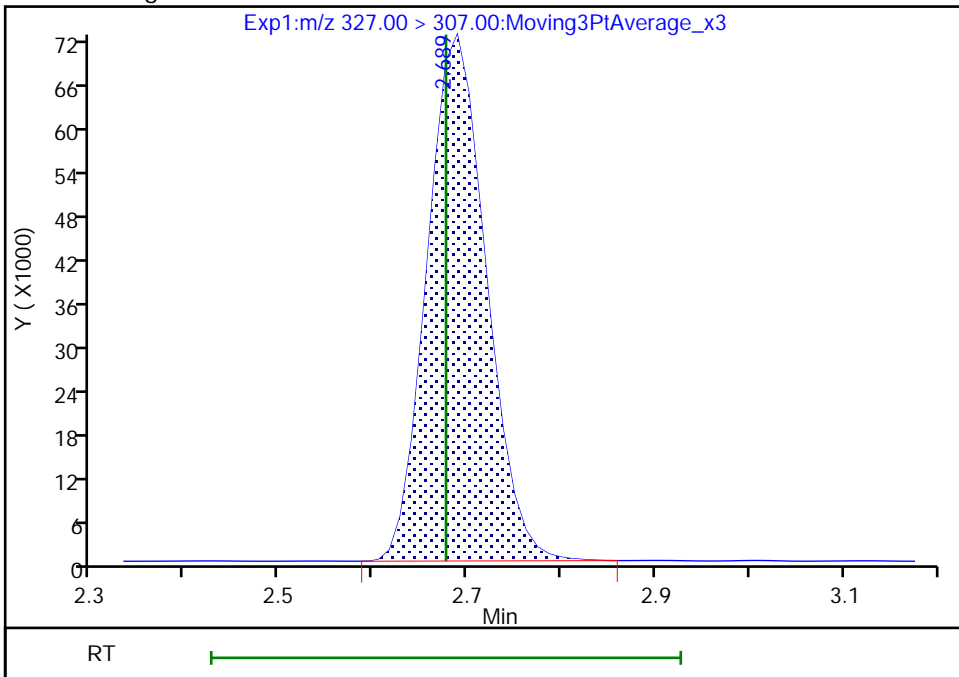
RT: 2.69
Area: 318414
Amount: 1.064649
Amount Units: ng/ml

Processing Integration Results



RT: 2.69
Area: 317902
Amount: 1.062937
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:50:39
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

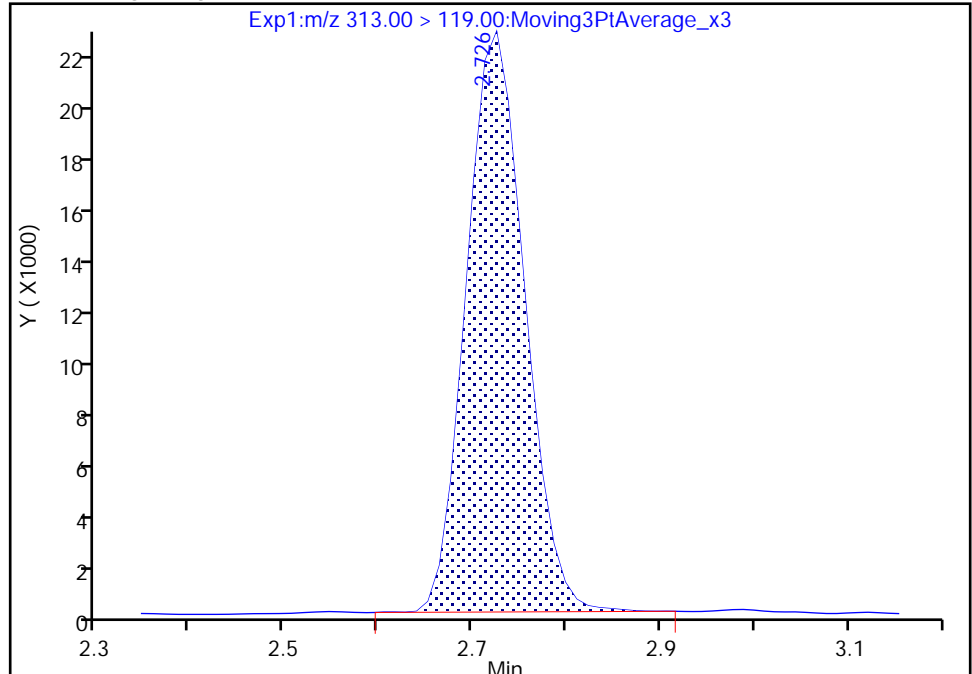
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B27.d
Injection Date: 02-Sep-2022 20:55:50 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

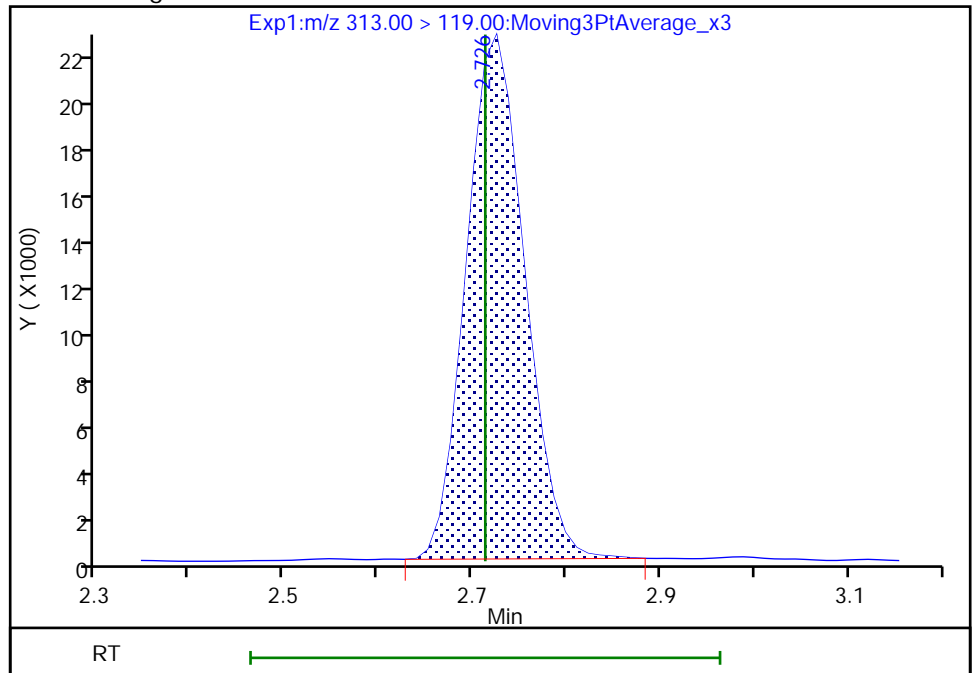
RT: 2.73
Area: 95683
Amount: 1.000504
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 95572
Amount: 0.994213
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:50:45
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

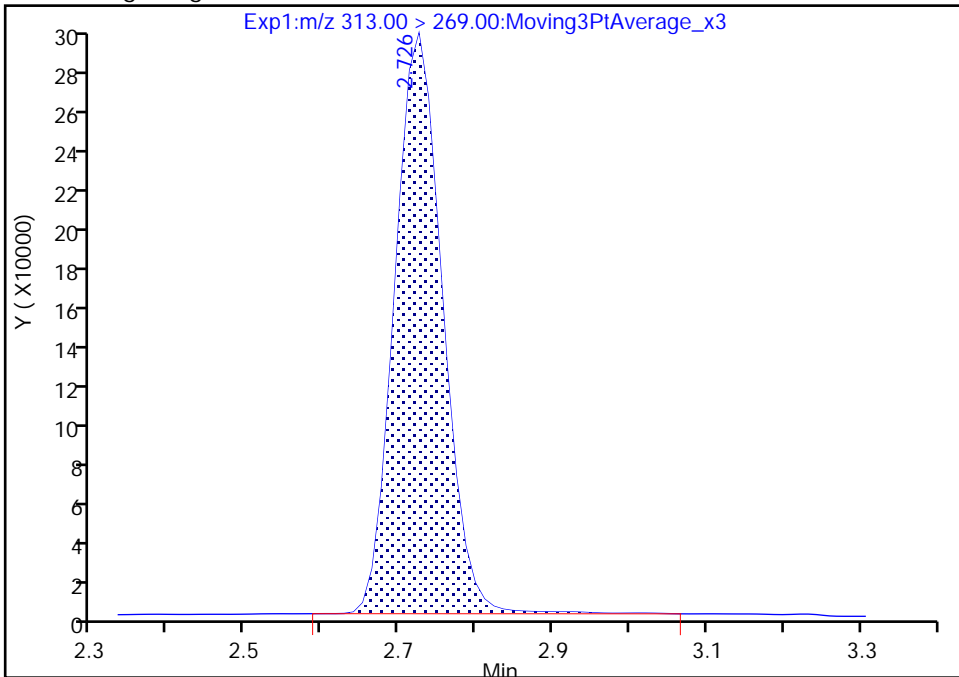
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B27.d
Injection Date: 02-Sep-2022 20:55:50 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

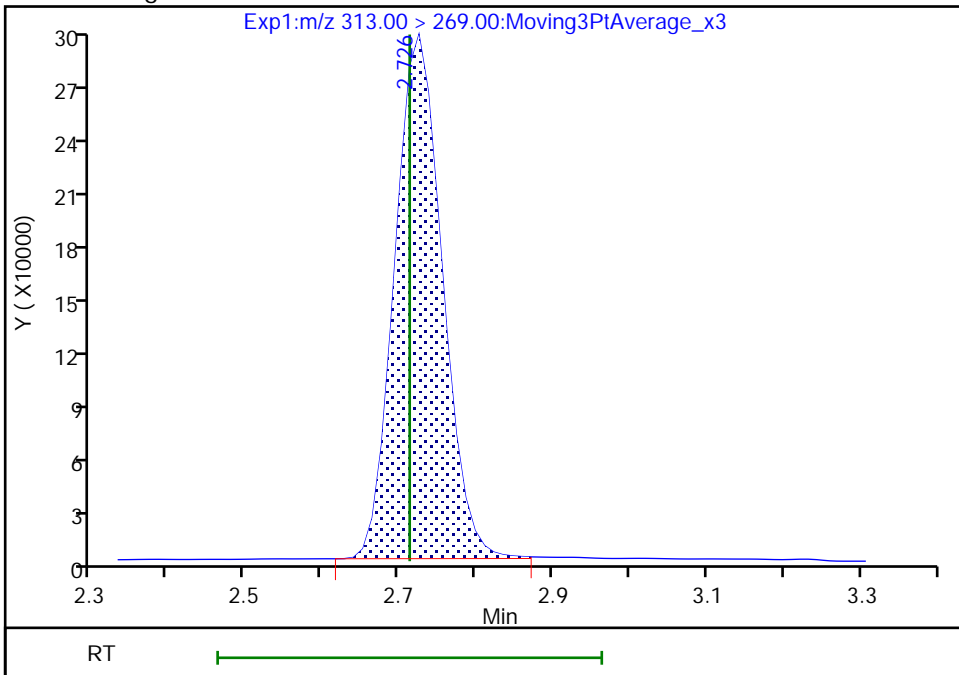
RT: 2.73
Area: 1253346
Amount: 1.000504
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 1245465
Amount: 0.994213
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

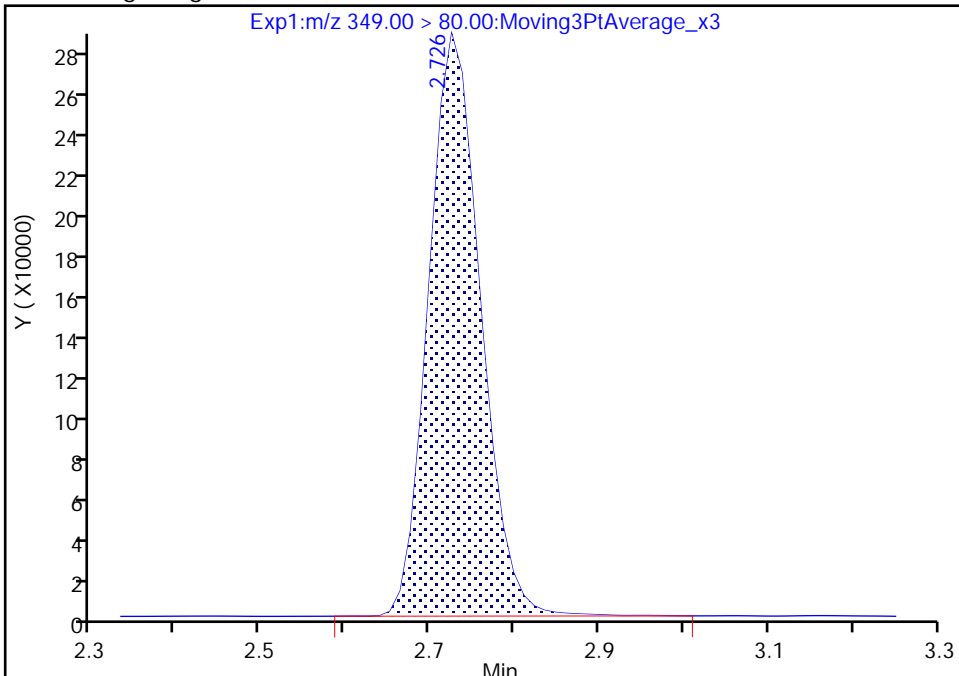
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B27.d
Injection Date: 02-Sep-2022 20:55:50 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

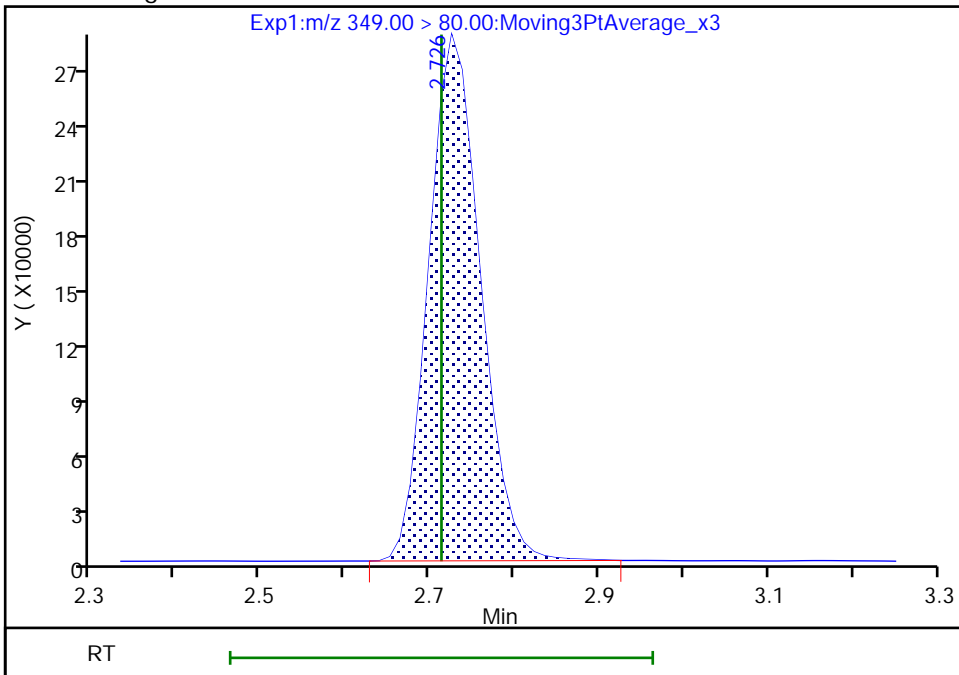
RT: 2.73
Area: 1198178
Amount: 0.930019
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 1195260
Amount: 0.927754
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:50:59
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

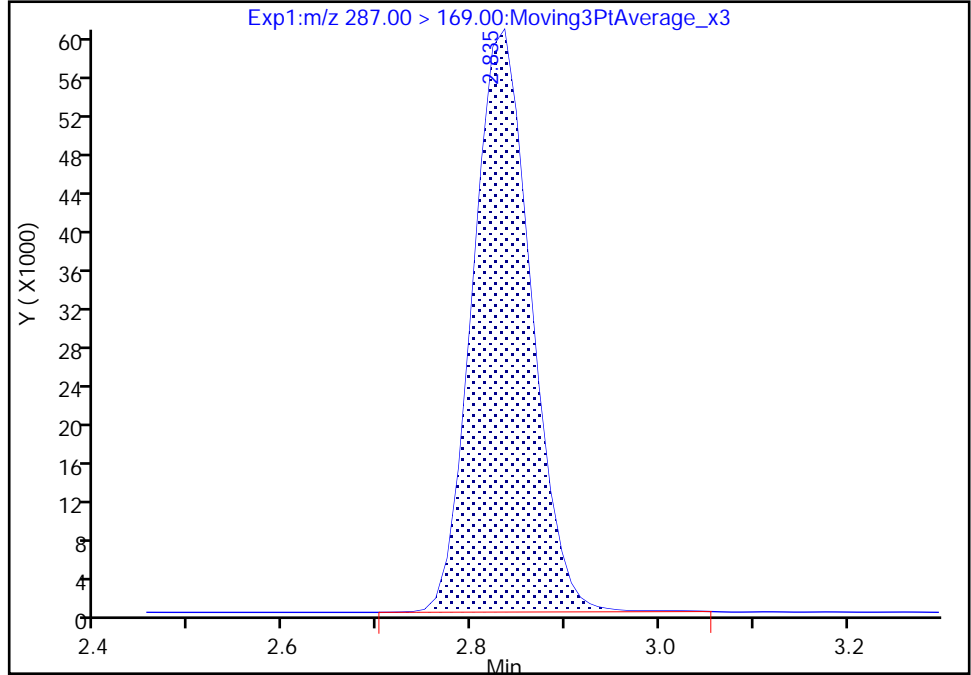
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B27.d
Injection Date: 02-Sep-2022 20:55:50 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 64 13C3 HFPO-DA, CAS: STL02255
Signal: 1

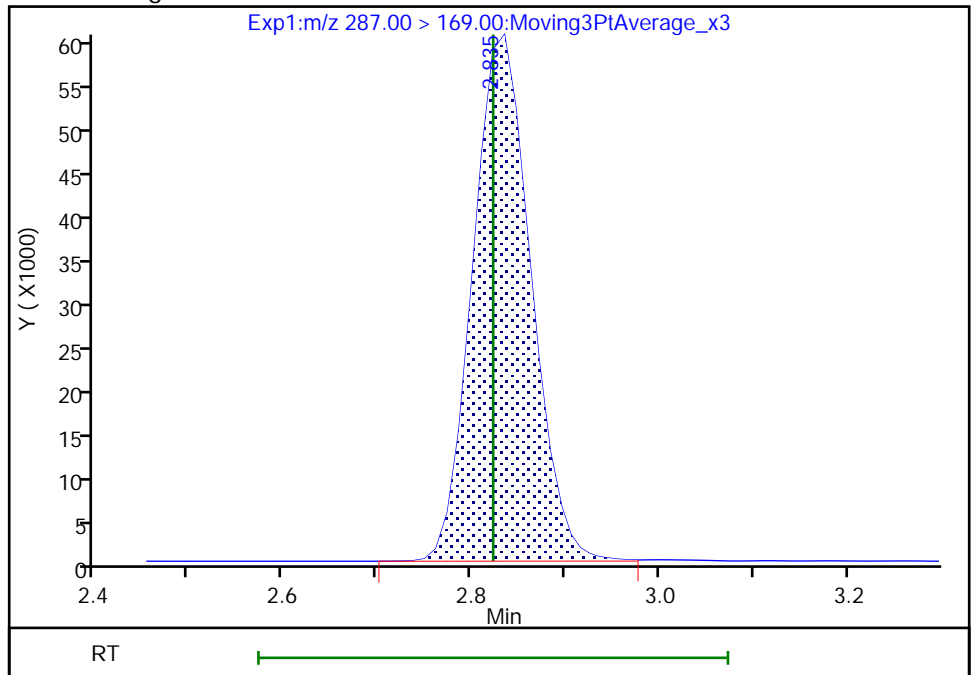
RT: 2.84
Area: 260428
Amount: 1.144794
Amount Units: ng/ml

Processing Integration Results



RT: 2.84
Area: 260496
Amount: 1.145093
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:49:36
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

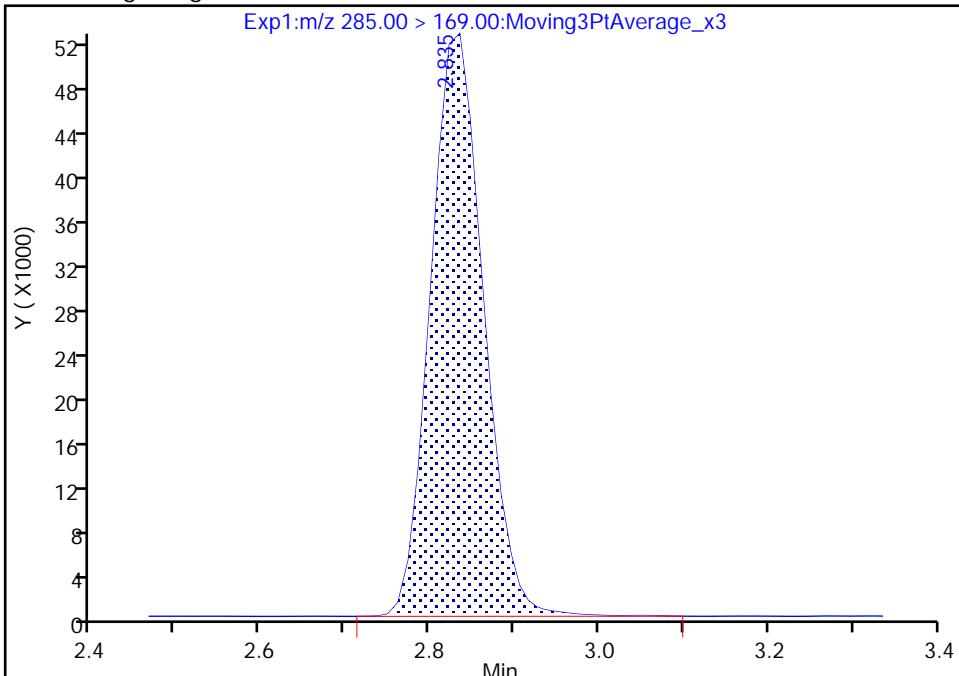
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B27.d
Injection Date: 02-Sep-2022 20:55:50 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

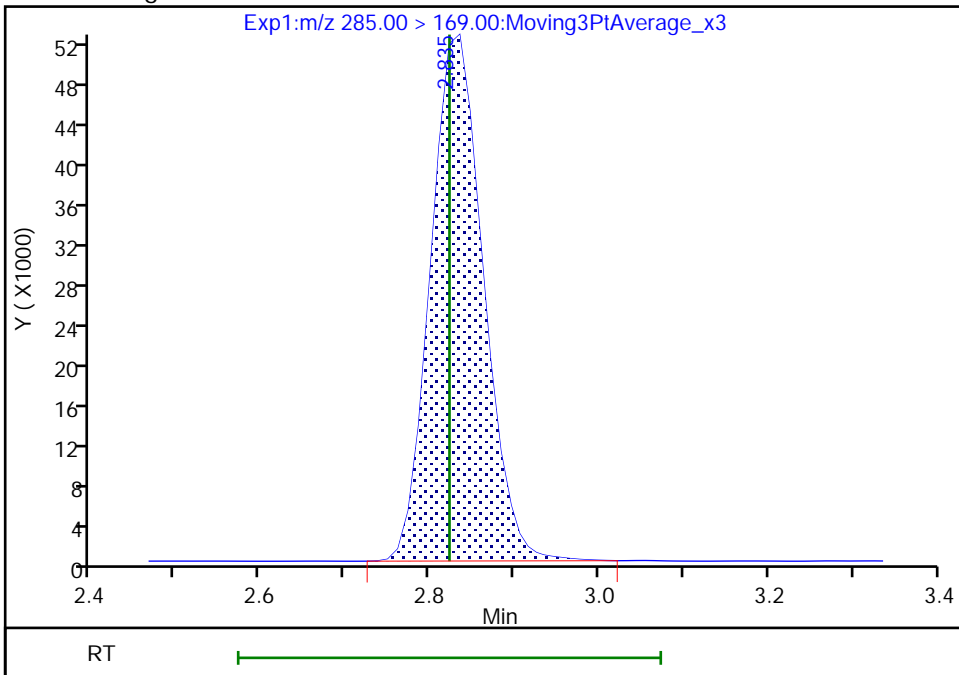
RT: 2.84
Area: 226992
Amount: 1.013680
Amount Units: ng/ml

Processing Integration Results



RT: 2.84
Area: 226404
Amount: 1.011054
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:51:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

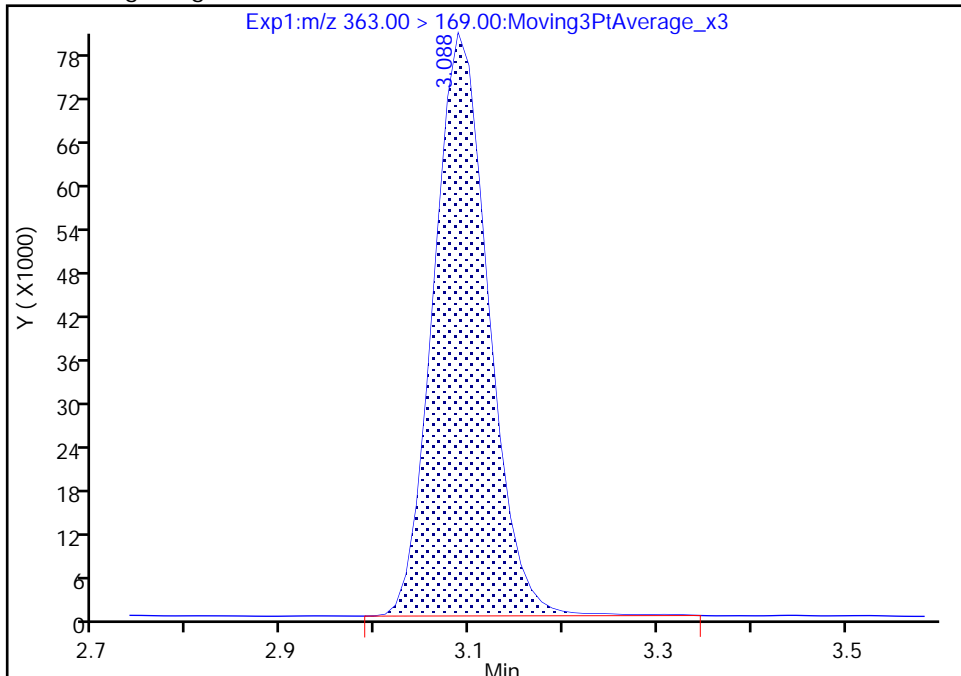
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B27.d
Injection Date: 02-Sep-2022 20:55:50 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

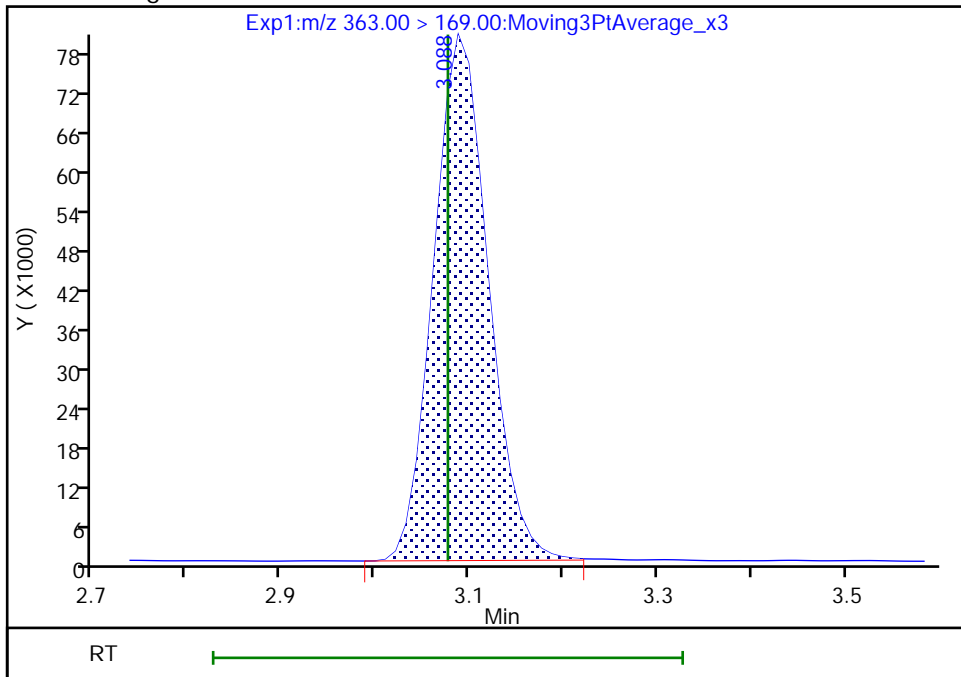
RT: 3.09
Area: 327672
Amount: 0.979375
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 325999
Amount: 0.976758
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:51:27
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

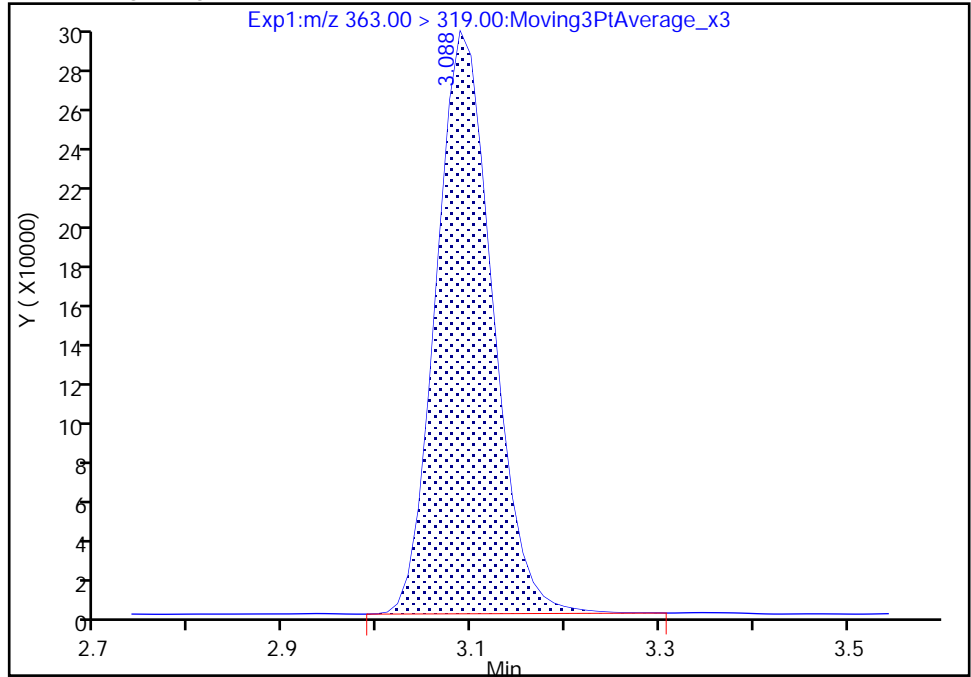
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B27.d
Injection Date: 02-Sep-2022 20:55:50 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

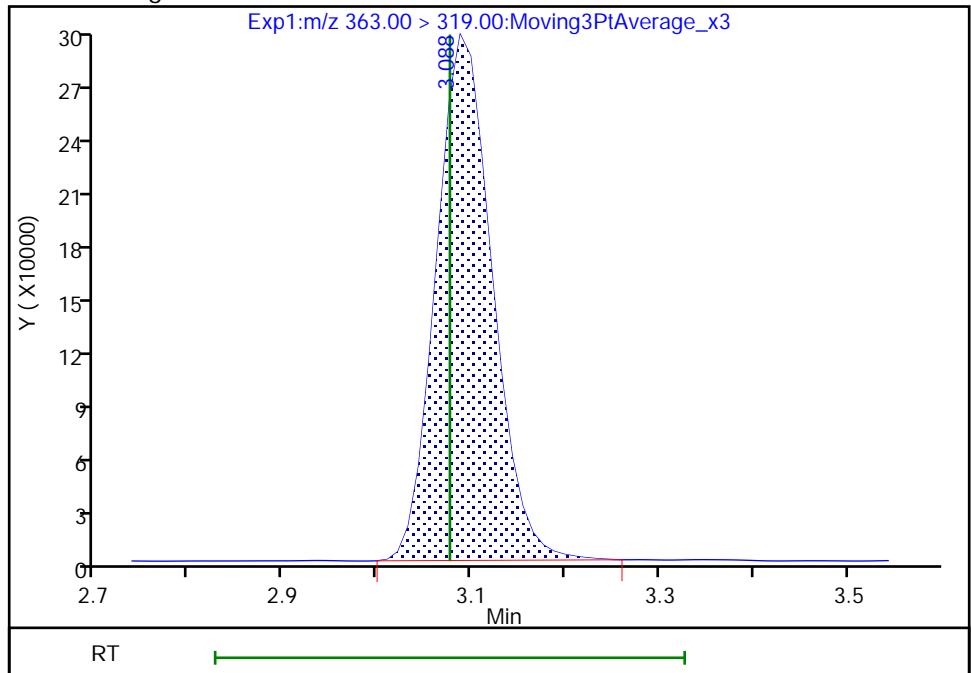
RT: 3.09
Area: 1229923
Amount: 0.979375
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 1226636
Amount: 0.976758
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Sep-2022 09:51:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

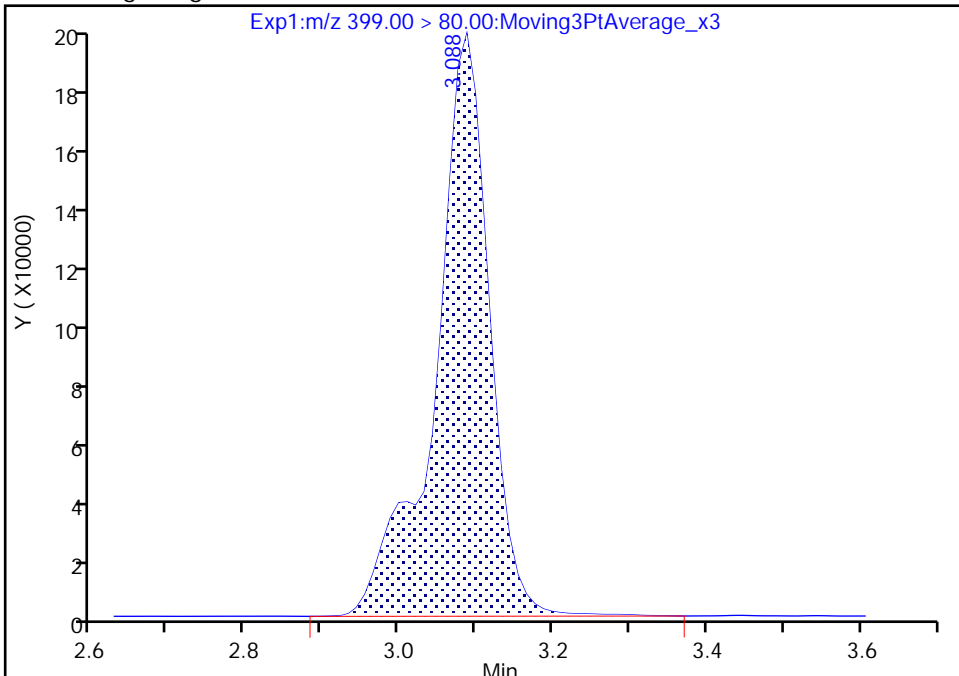
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B27.d
Injection Date: 02-Sep-2022 20:55:50 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

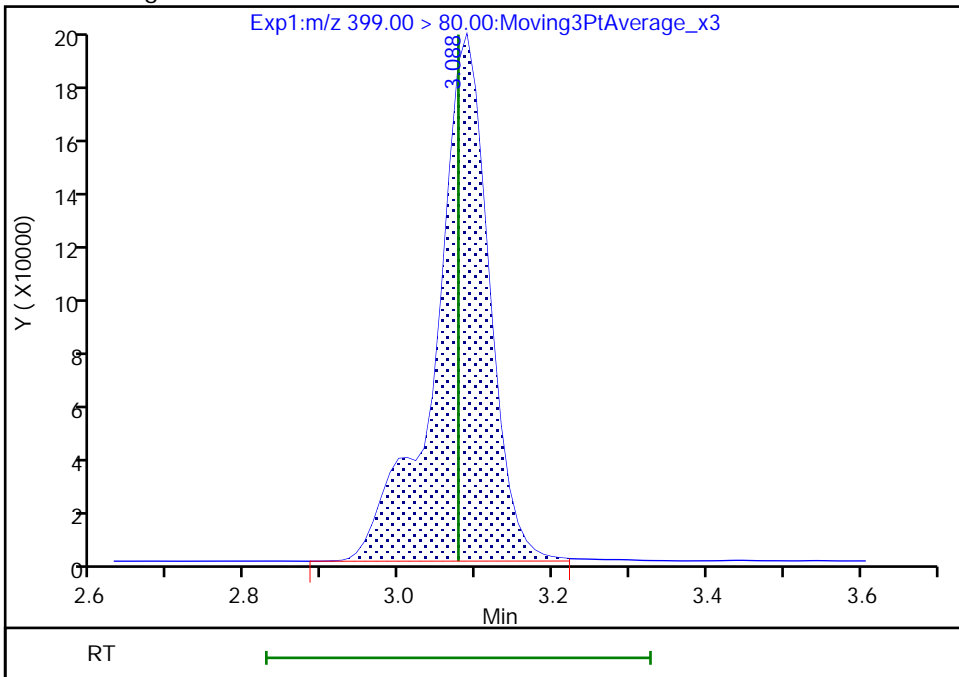
RT: 3.09
Area: 970251
Amount: 0.885332
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 966669
Amount: 0.882063
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:51:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

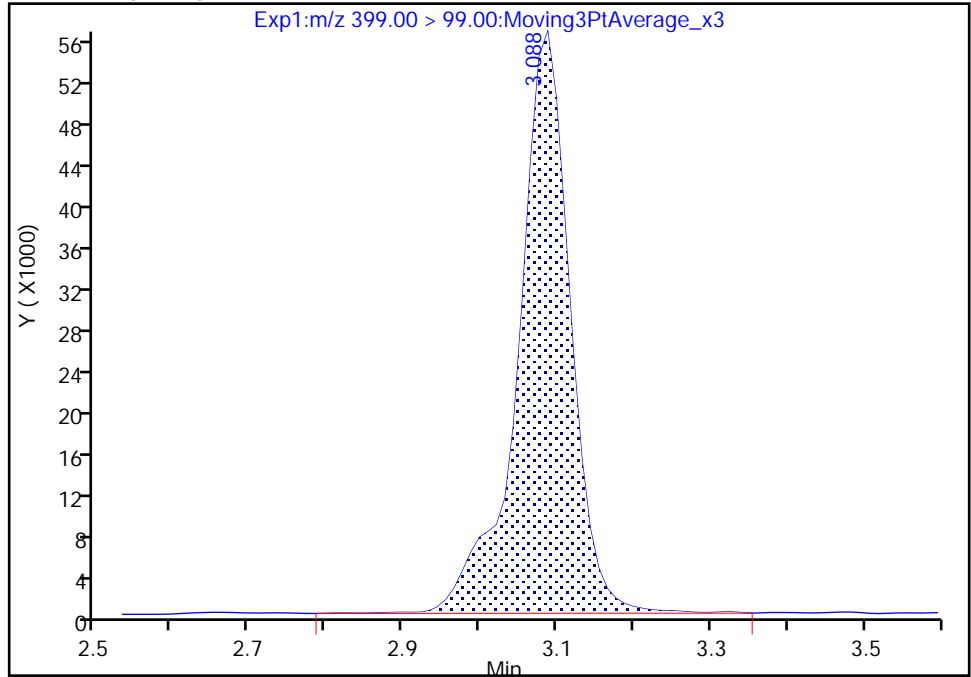
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B27.d
Injection Date: 02-Sep-2022 20:55:50 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

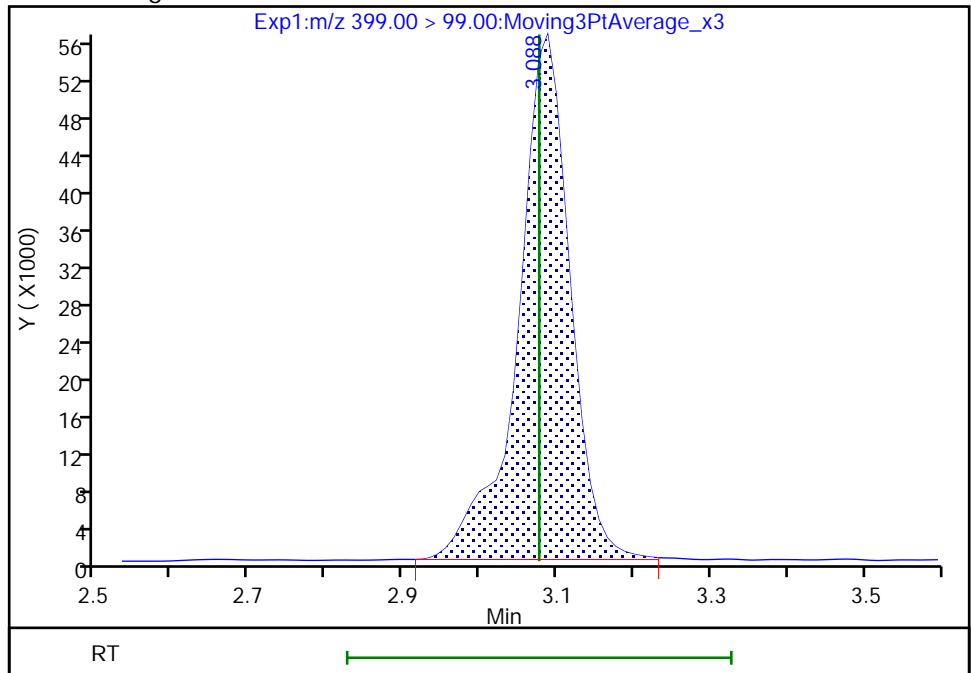
RT: 3.09
Area: 268347
Amount: 0.885332
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 265614
Amount: 0.882063
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:51:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

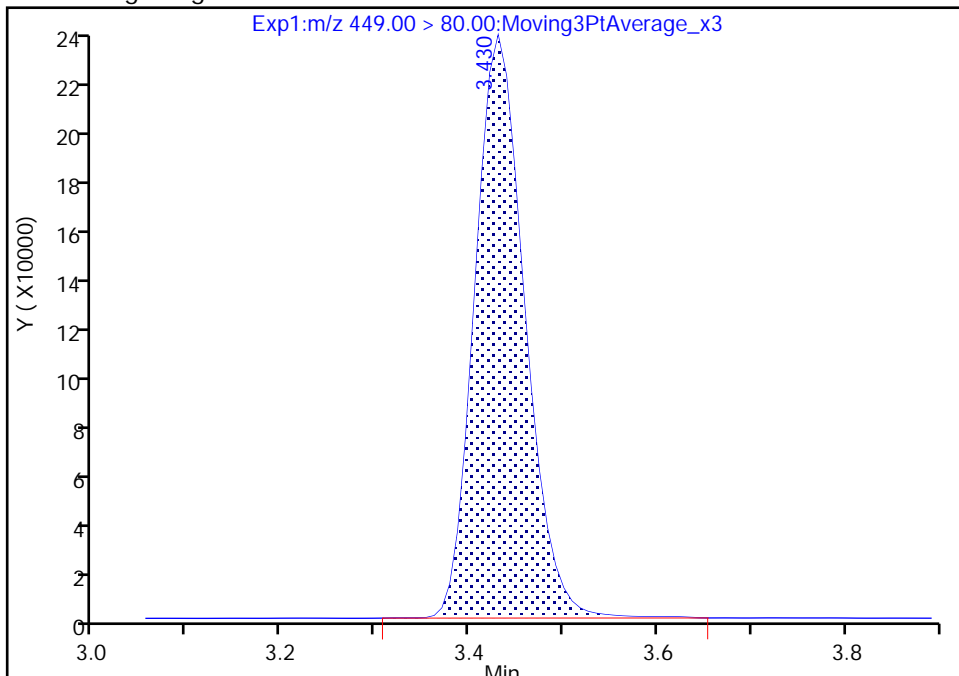
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B27.d
Injection Date: 02-Sep-2022 20:55:50 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

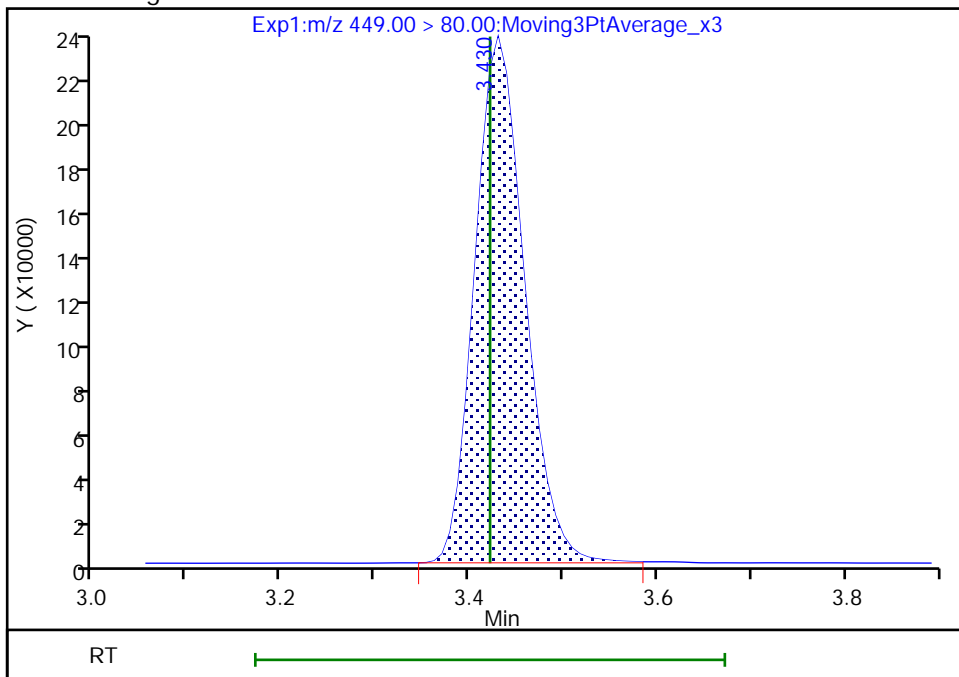
RT: 3.43
Area: 866255
Amount: 0.997955
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 864013
Amount: 0.995372
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:51:48
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

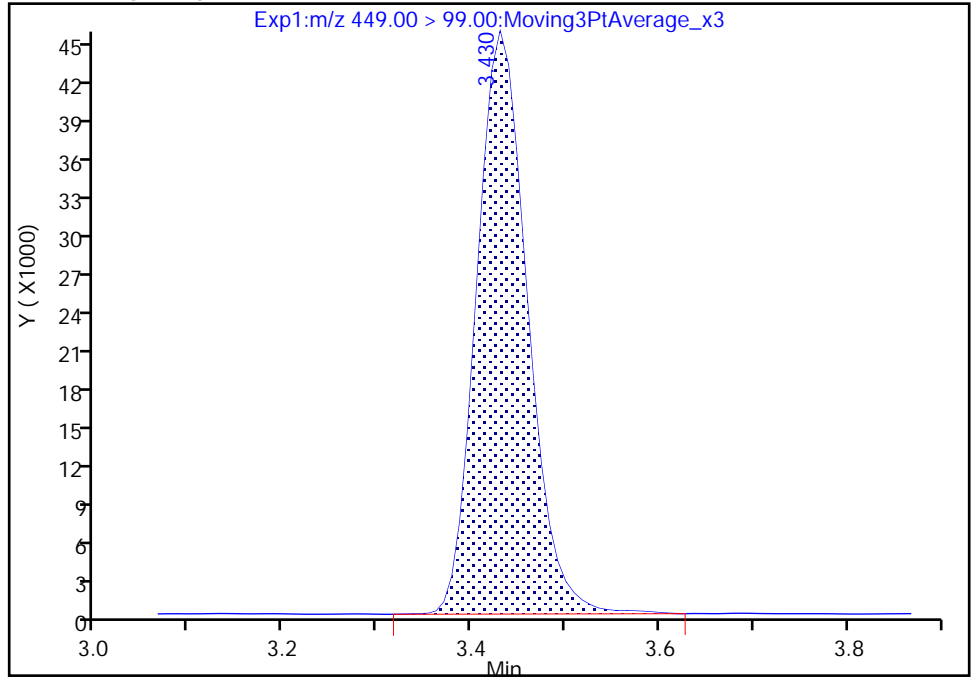
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B27.d
Injection Date: 02-Sep-2022 20:55:50 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

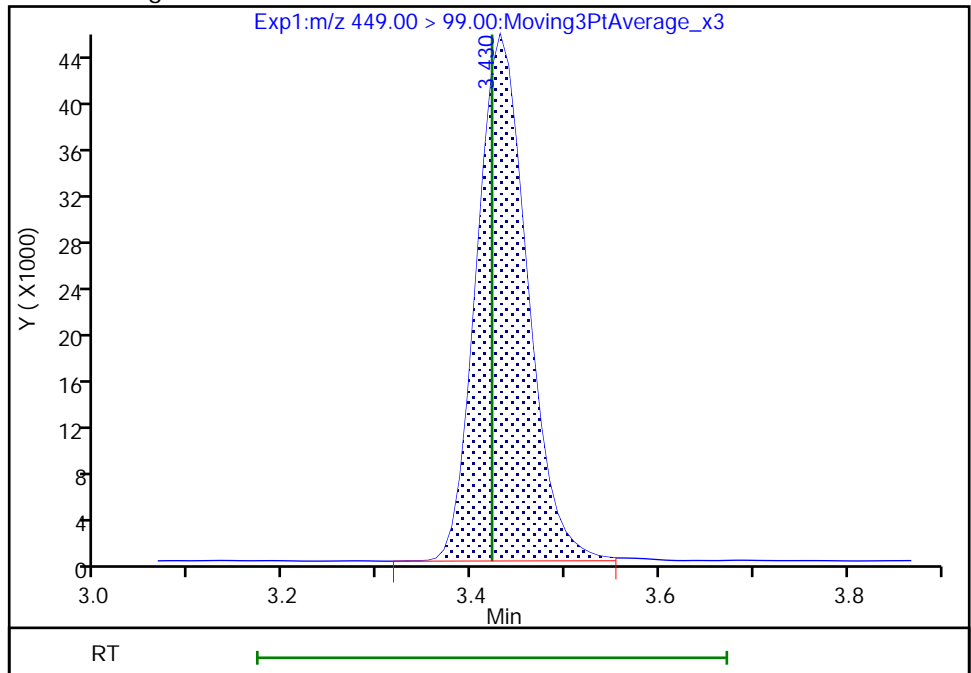
RT: 3.43
Area: 170802
Amount: 0.997955
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 170240
Amount: 0.995372
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:51:50

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

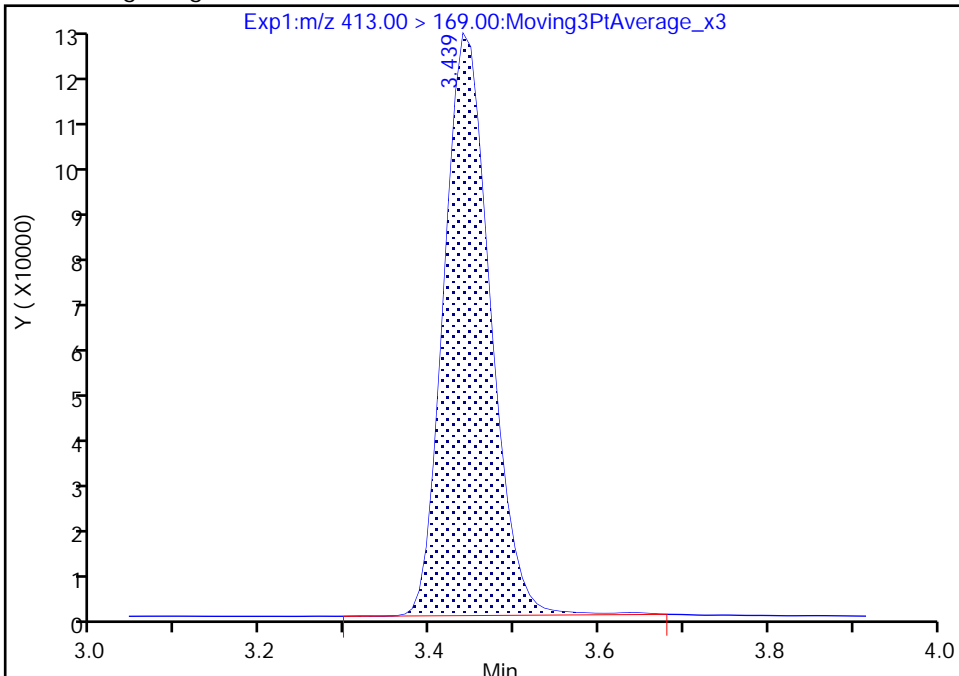
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B27.d
Injection Date: 02-Sep-2022 20:55:50 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

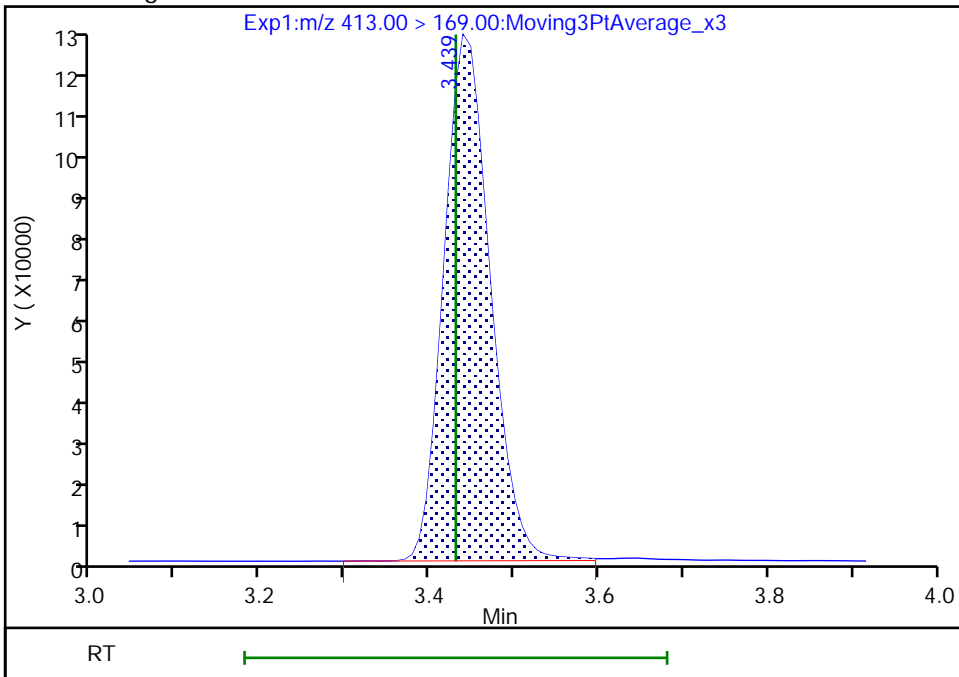
RT: 3.44
Area: 480713
Amount: 0.939033
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 480738
Amount: 0.939033
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:52:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

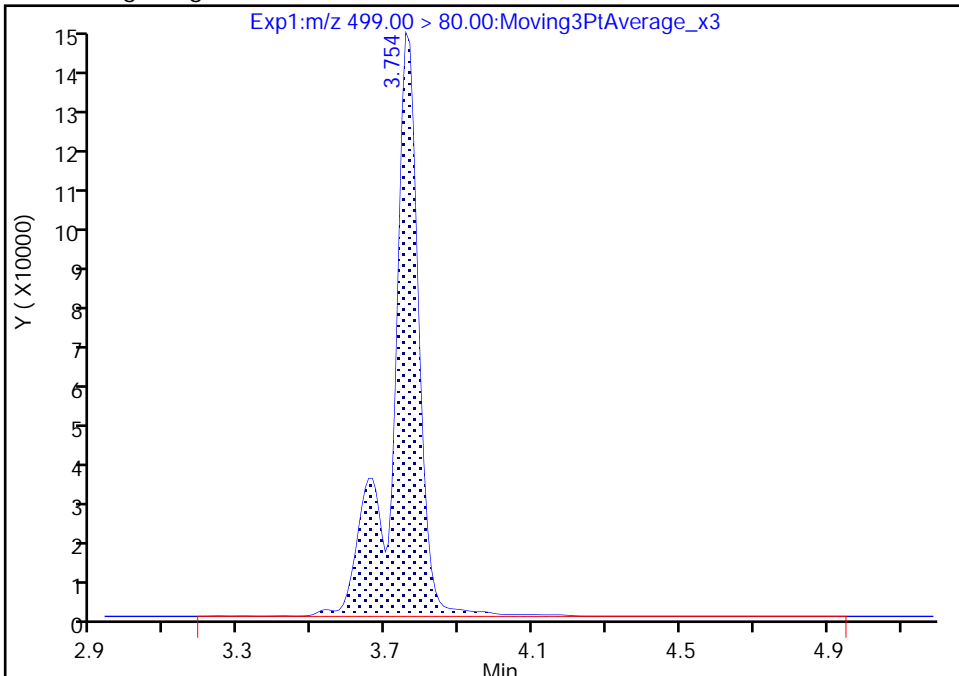
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B27.d
Injection Date: 02-Sep-2022 20:55:50 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

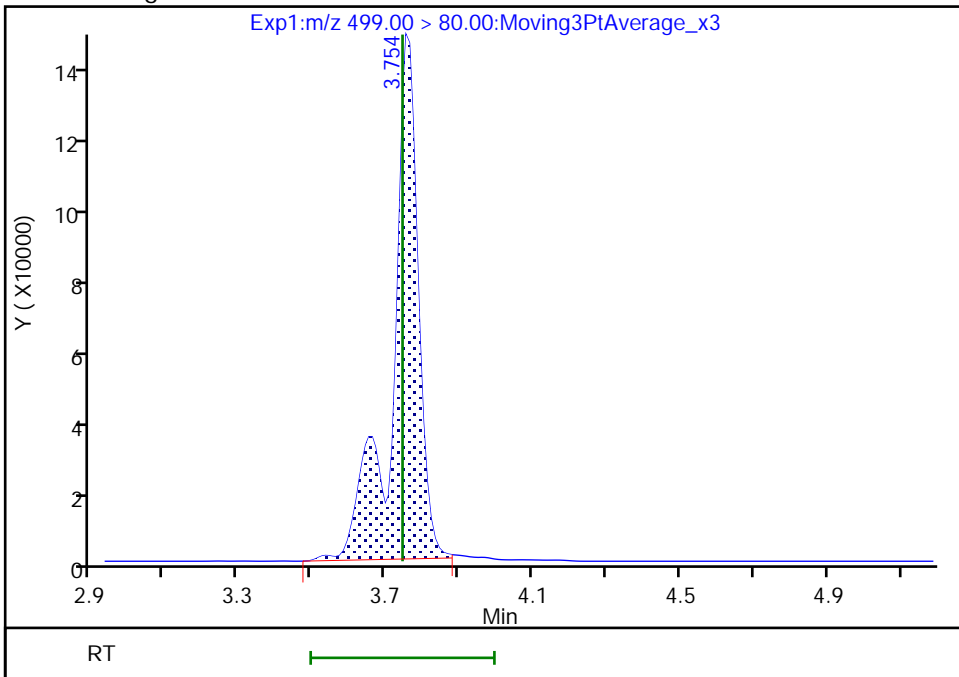
RT: 3.75
Area: 714110
Amount: 1.003533
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 689821
Amount: 0.968772
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:52:25
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

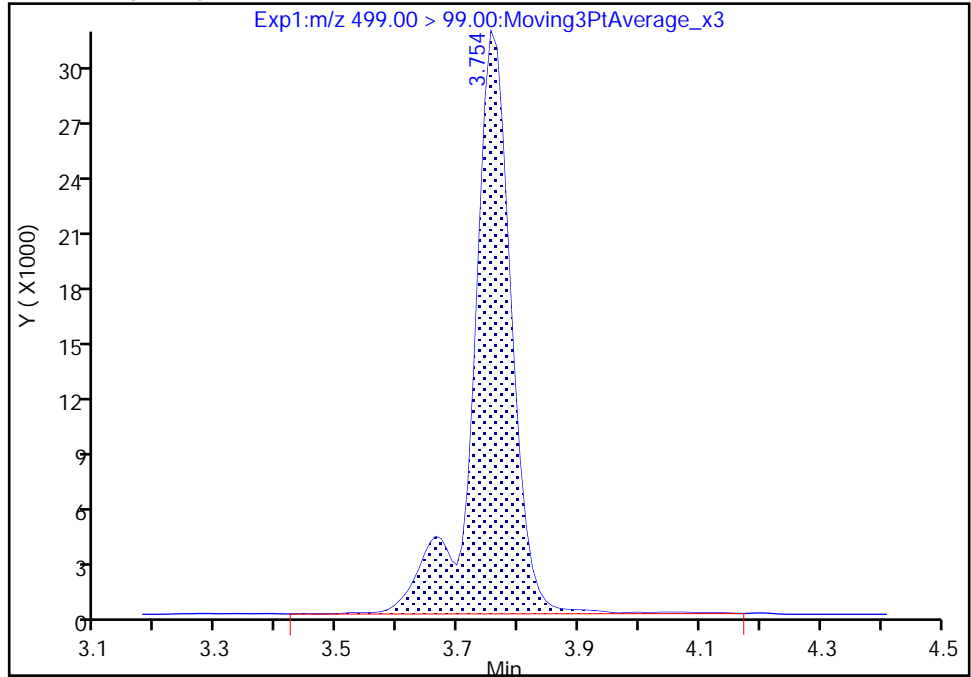
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B27.d
Injection Date: 02-Sep-2022 20:55:50 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

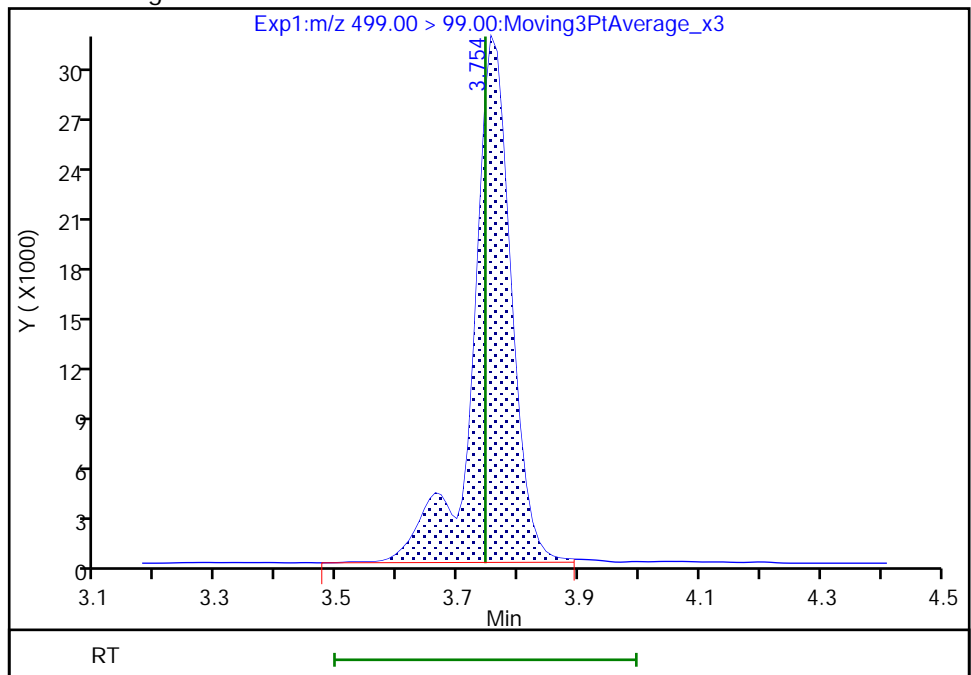
RT: 3.75
Area: 140331
Amount: 1.003533
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 138643
Amount: 0.968772
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Sep-2022 09:52:35

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

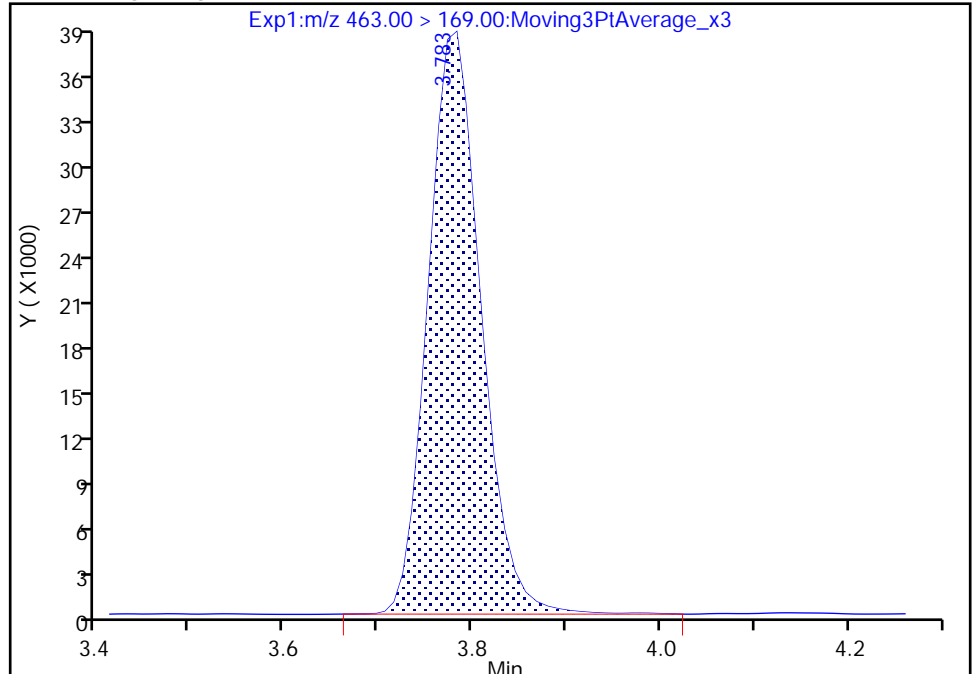
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B27.d
Injection Date: 02-Sep-2022 20:55:50 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

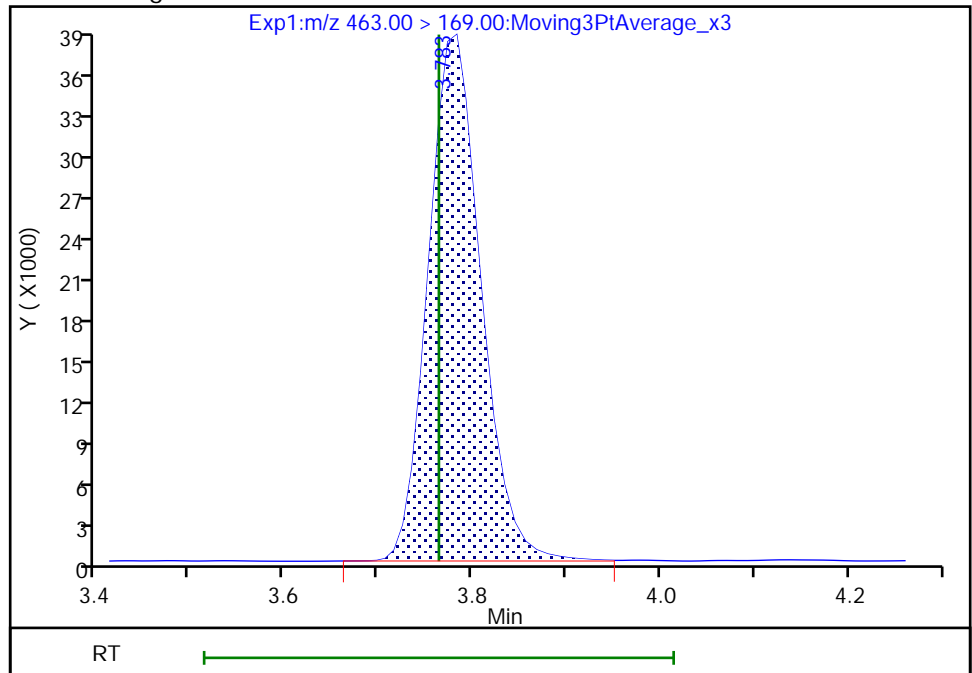
RT: 3.78
Area: 149613
Amount: 0.955146
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 149420
Amount: 0.955146
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:52:42
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

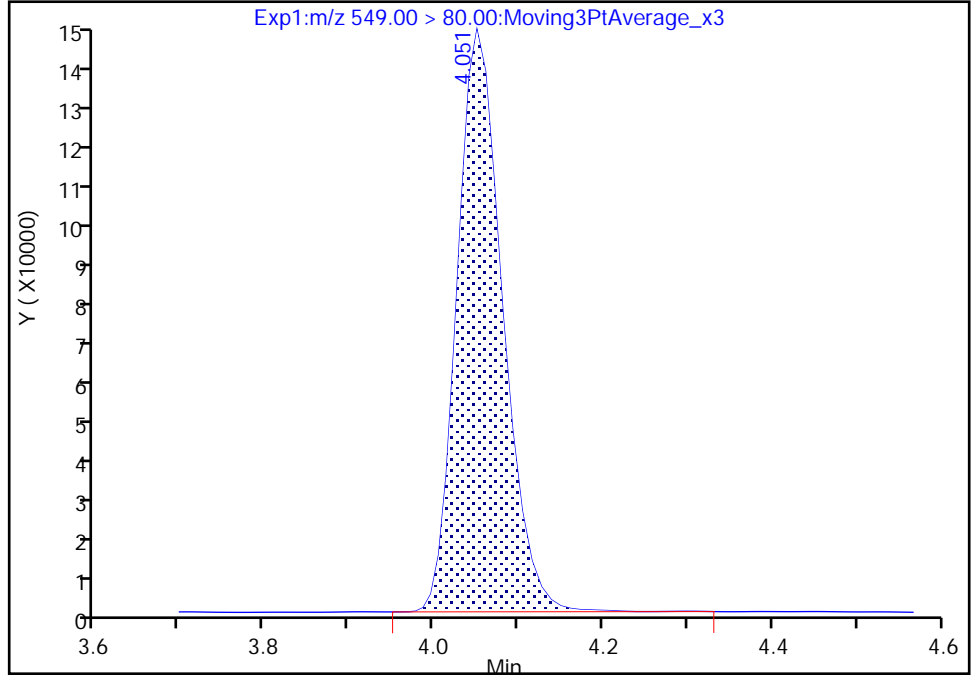
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B27.d
Injection Date: 02-Sep-2022 20:55:50 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 1

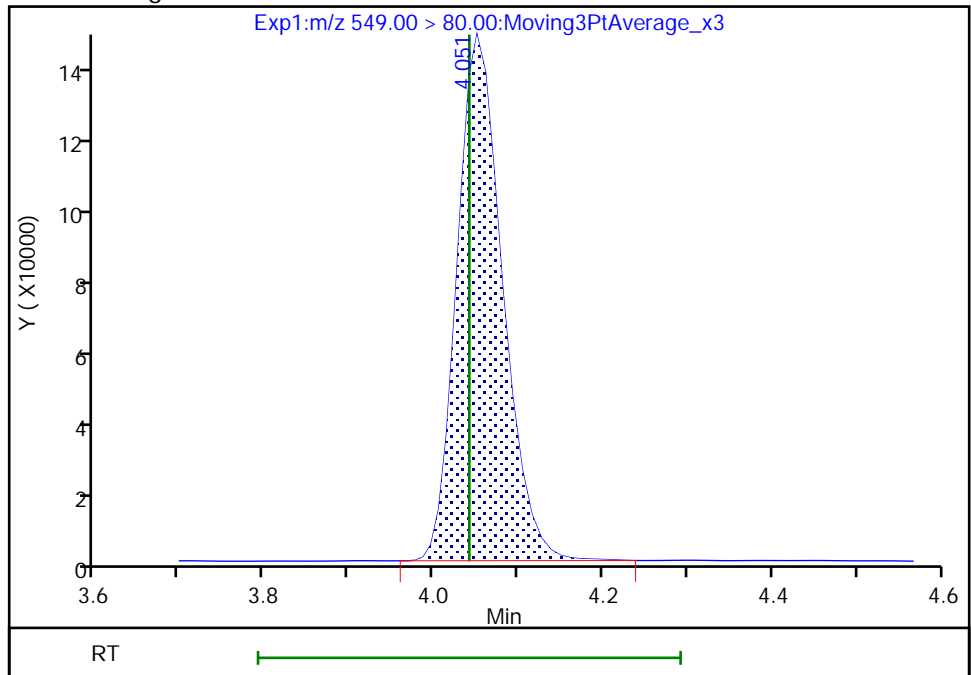
RT: 4.05
Area: 555788
Amount: 1.010763
Amount Units: ng/ml

Processing Integration Results



RT: 4.05
Area: 555258
Amount: 1.009799
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:52:52
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

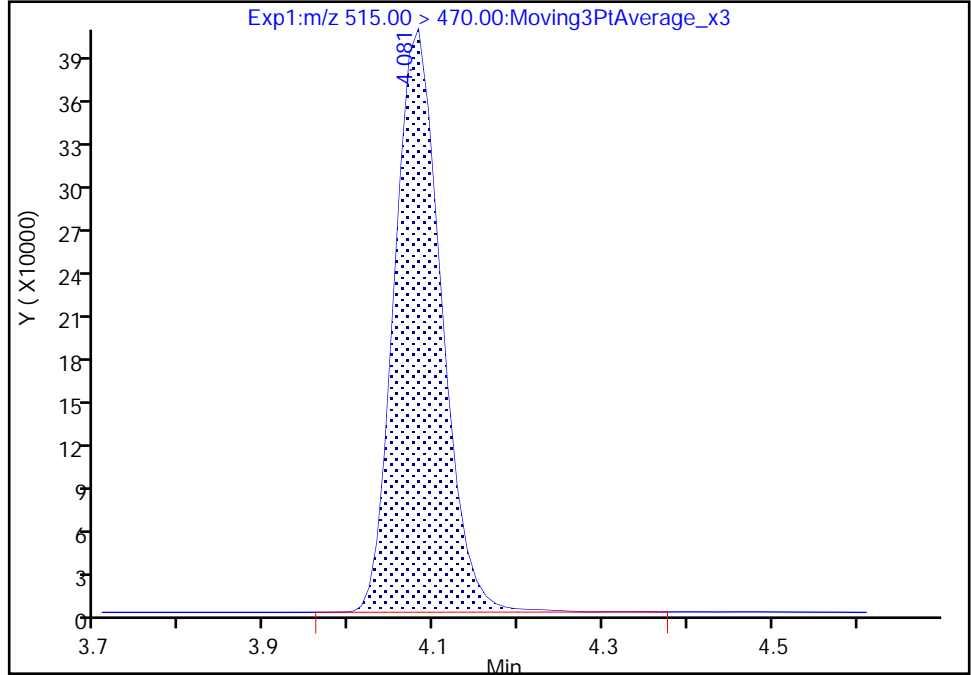
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B27.d
Injection Date: 02-Sep-2022 20:55:50 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 23 13C2 PFDA, CAS: STL00996
Signal: 1

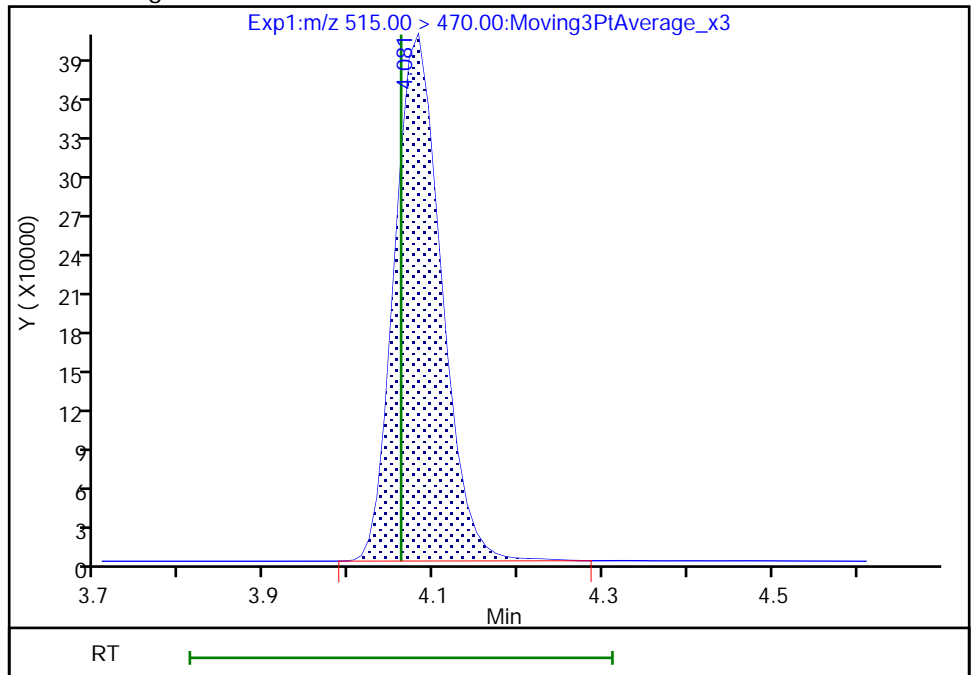
RT: 4.08
Area: 1562397
Amount: 1.203714
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 1560287
Amount: 1.202088
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:49:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

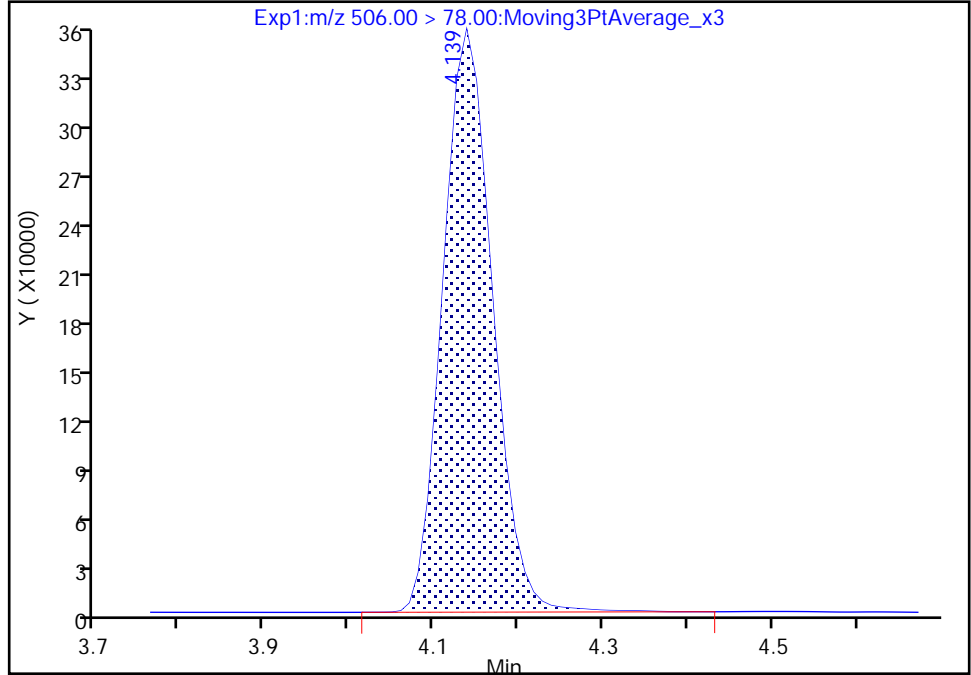
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B27.d
Injection Date: 02-Sep-2022 20:55:50 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

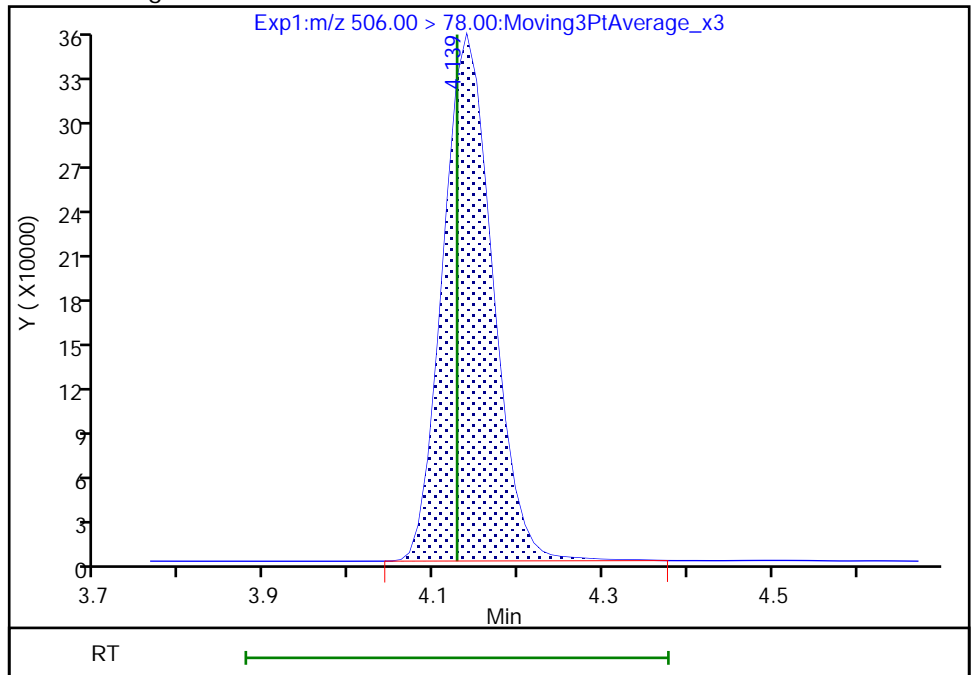
RT: 4.14
Area: 1458889
Amount: 1.284206
Amount Units: ng/ml

Processing Integration Results



RT: 4.14
Area: 1457495
Amount: 1.282979
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:49:57
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

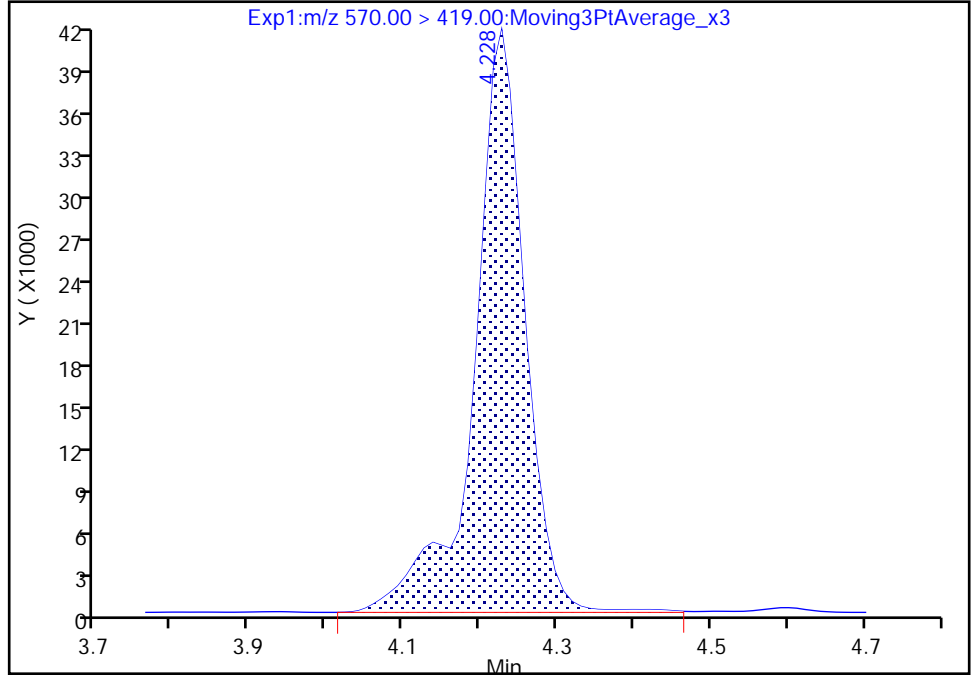
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B27.d
Injection Date: 02-Sep-2022 20:55:50 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

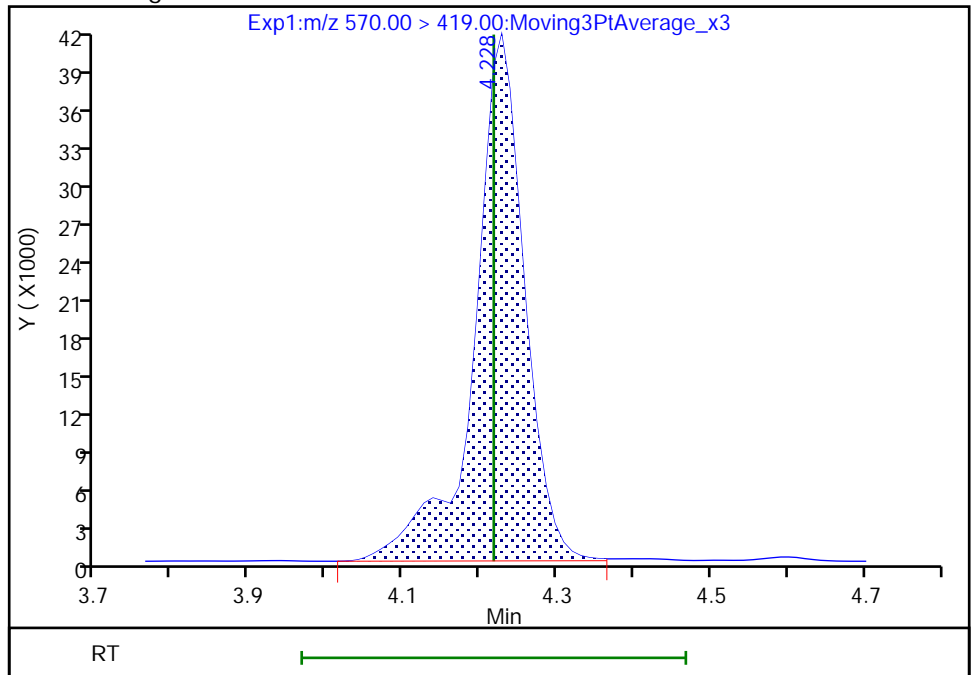
RT: 4.23
Area: 188057
Amount: 1.006042
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 186588
Amount: 0.998184
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:53:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

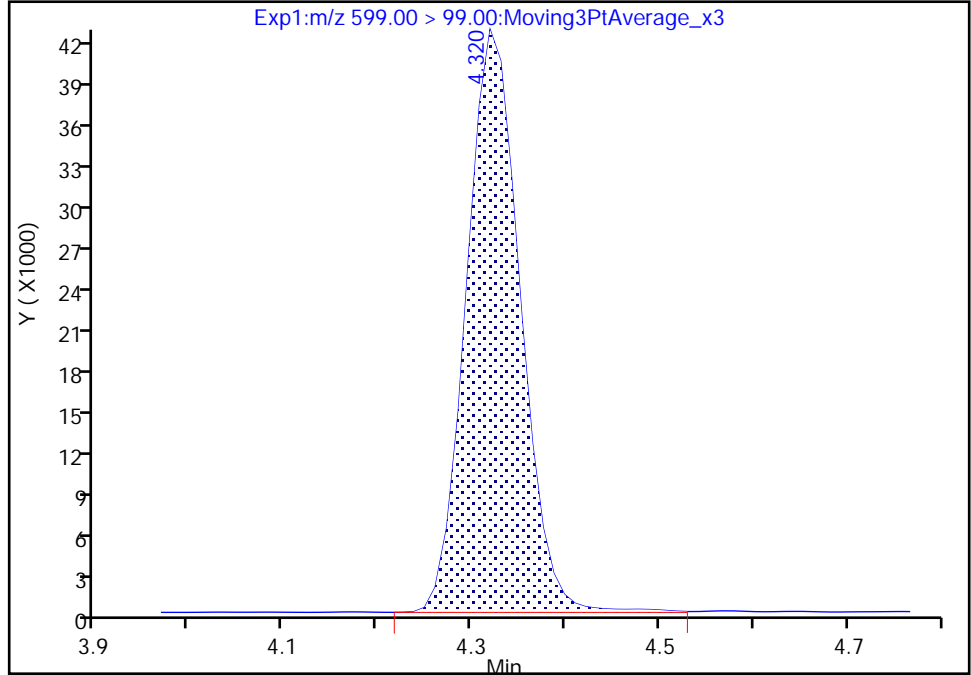
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B27.d
Injection Date: 02-Sep-2022 20:55:50 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

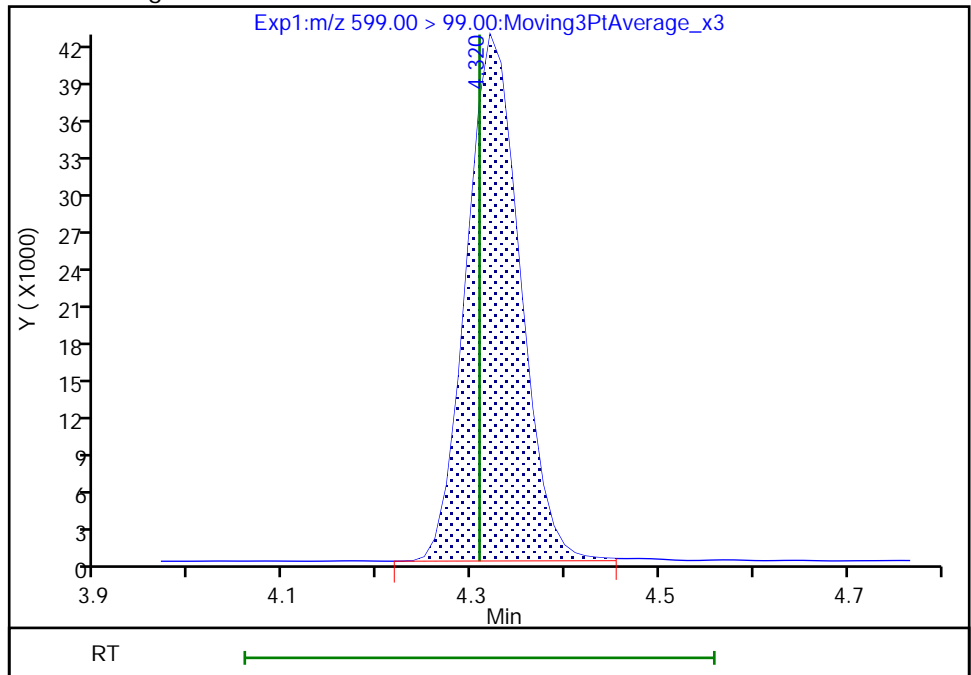
RT: 4.32
Area: 168533
Amount: 1.066240
Amount Units: ng/ml

Processing Integration Results



RT: 4.32
Area: 167424
Amount: 1.066240
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:53:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

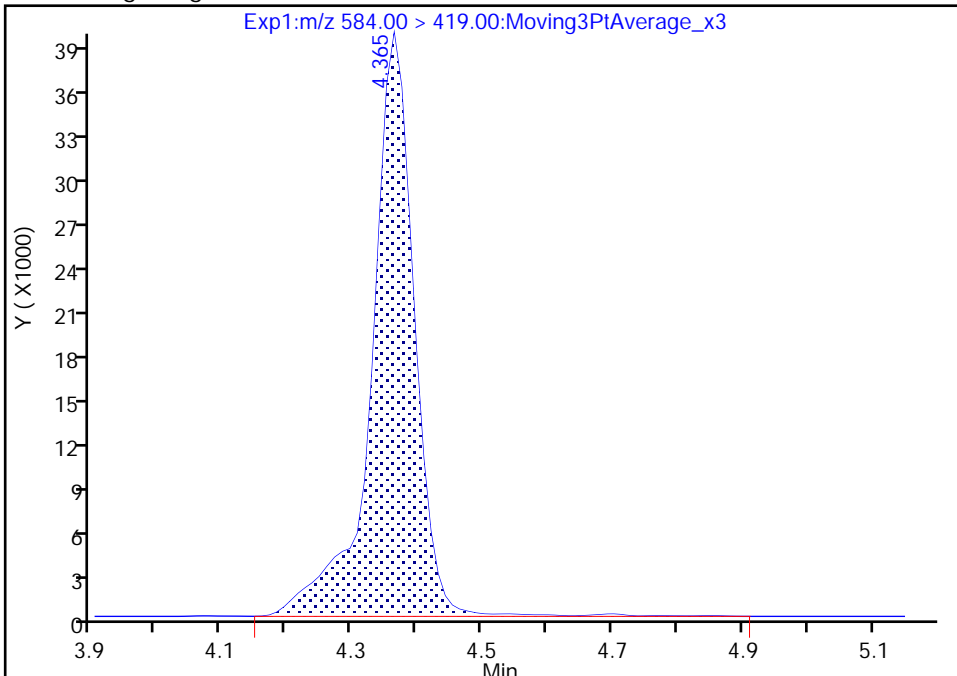
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B27.d
Injection Date: 02-Sep-2022 20:55:50 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

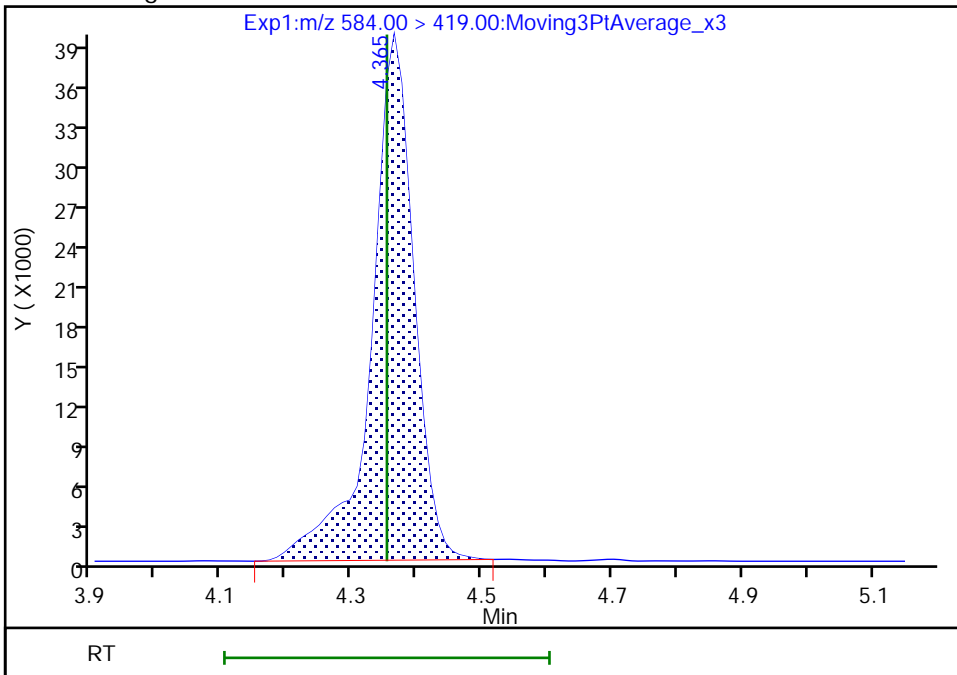
RT: 4.36
Area: 181575
Amount: 0.958131
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 178684
Amount: 0.942875
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:53:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

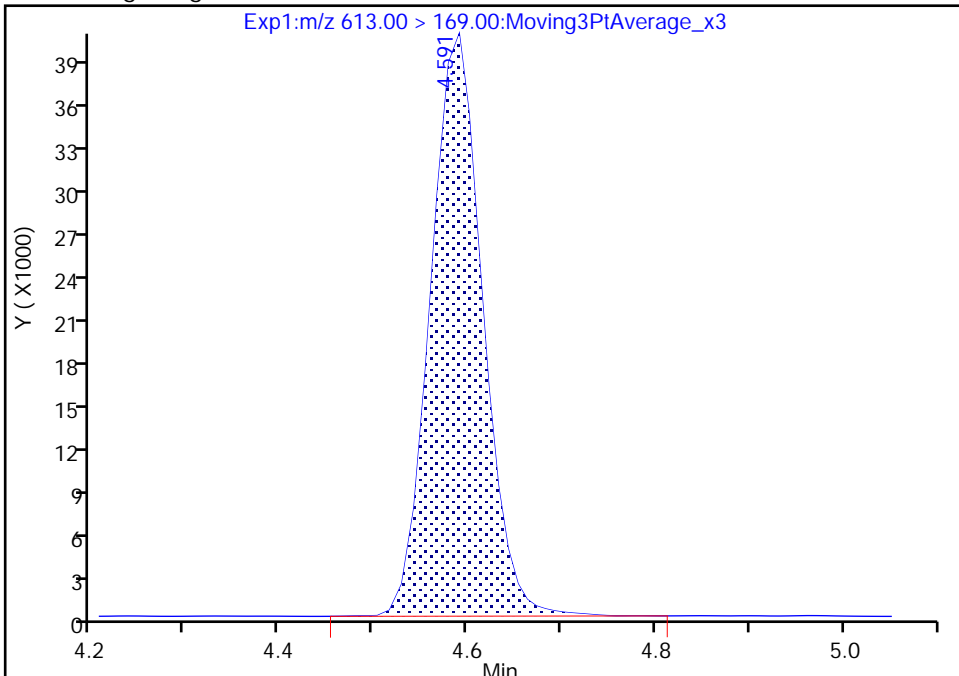
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B27.d
Injection Date: 02-Sep-2022 20:55:50 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

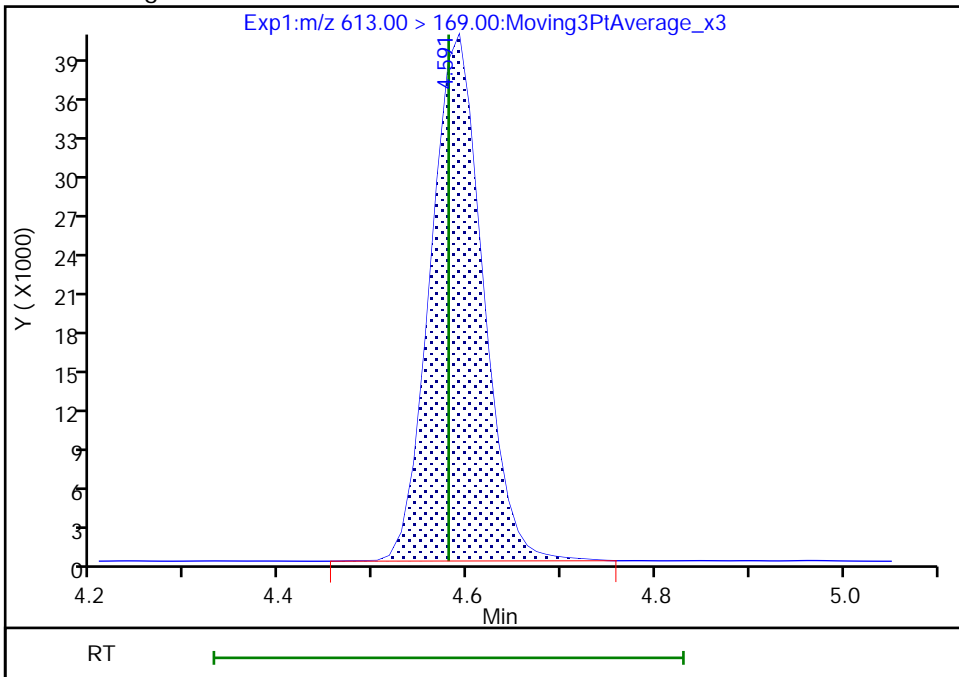
RT: 4.59
Area: 155929
Amount: 0.994053
Amount Units: ng/ml

Processing Integration Results



RT: 4.59
Area: 155803
Amount: 0.987552
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:53:32
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

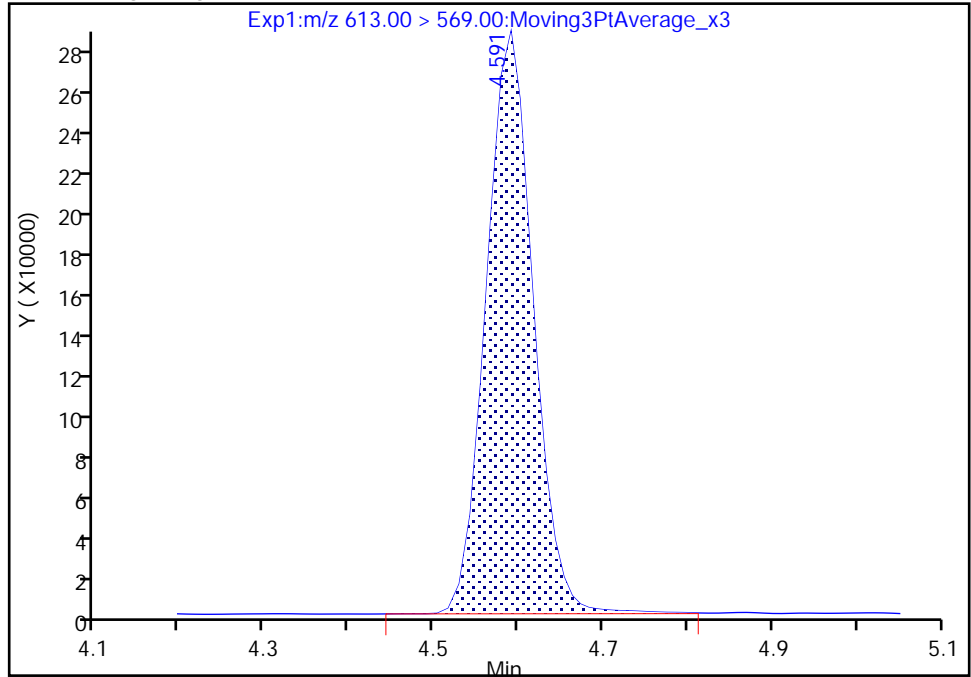
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B27.d
Injection Date: 02-Sep-2022 20:55:50 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

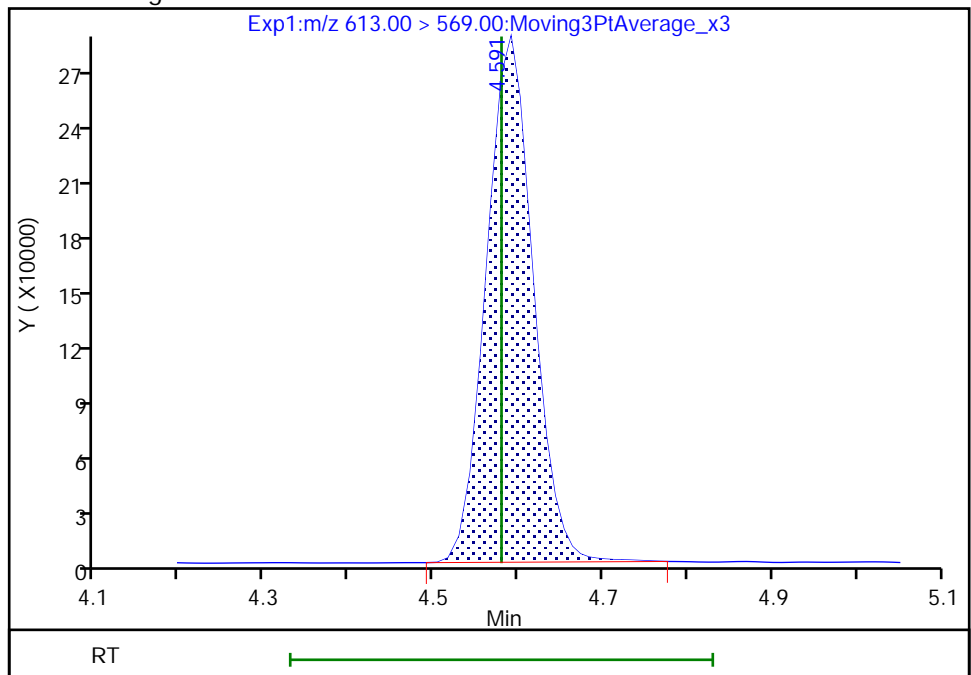
RT: 4.59
Area: 1079595
Amount: 0.994053
Amount Units: ng/ml

Processing Integration Results



RT: 4.59
Area: 1072534
Amount: 0.987552
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:53:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

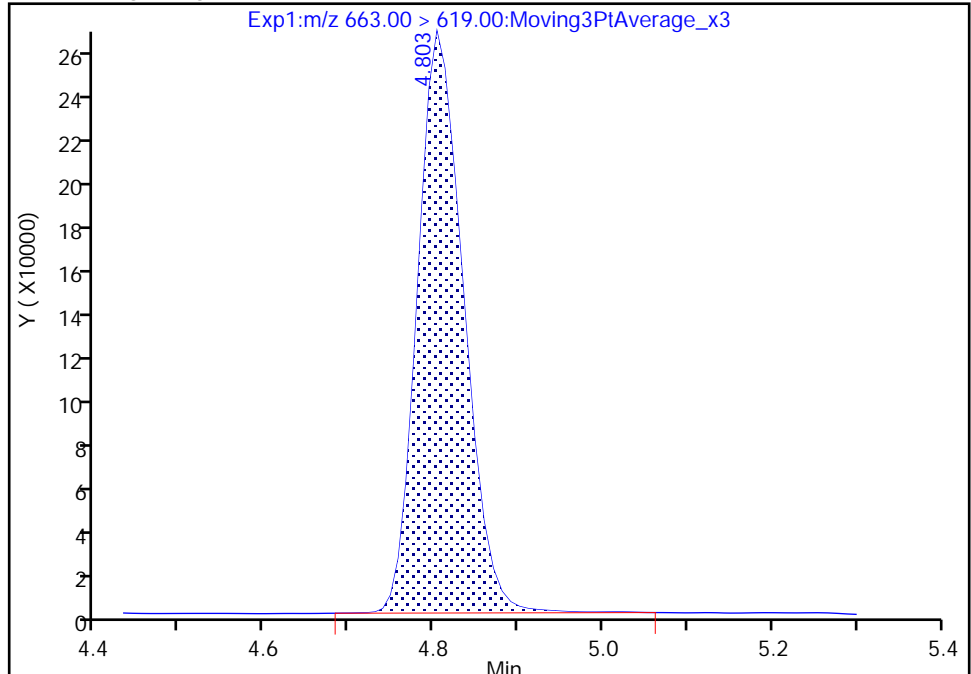
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B27.d
Injection Date: 02-Sep-2022 20:55:50 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

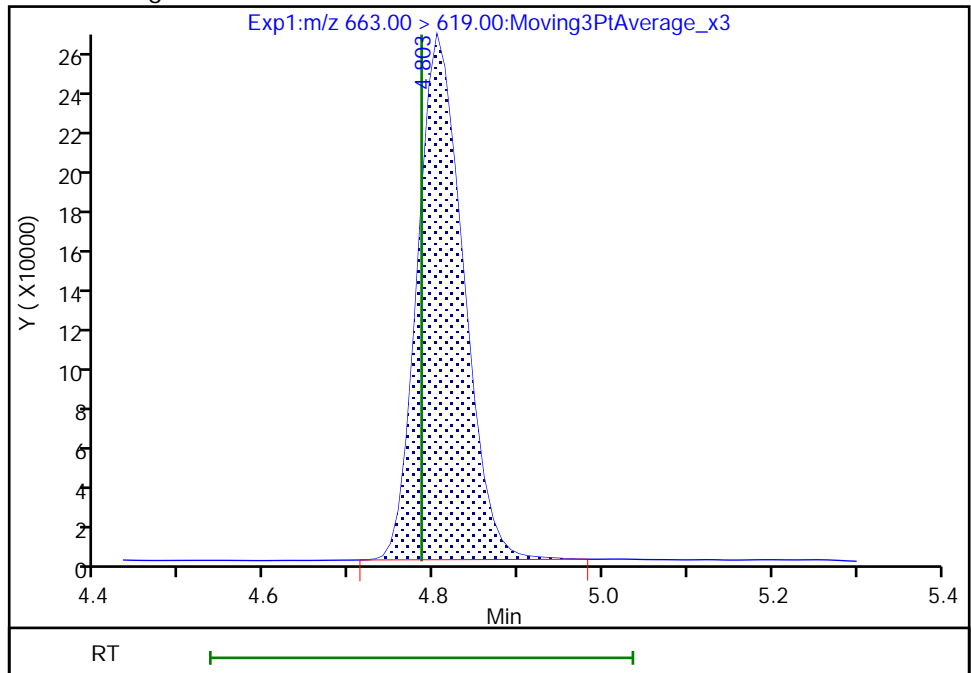
RT: 4.80
Area: 1008538
Amount: 1.071245
Amount Units: ng/ml

Processing Integration Results



RT: 4.80
Area: 1004598
Amount: 1.067060
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:53:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

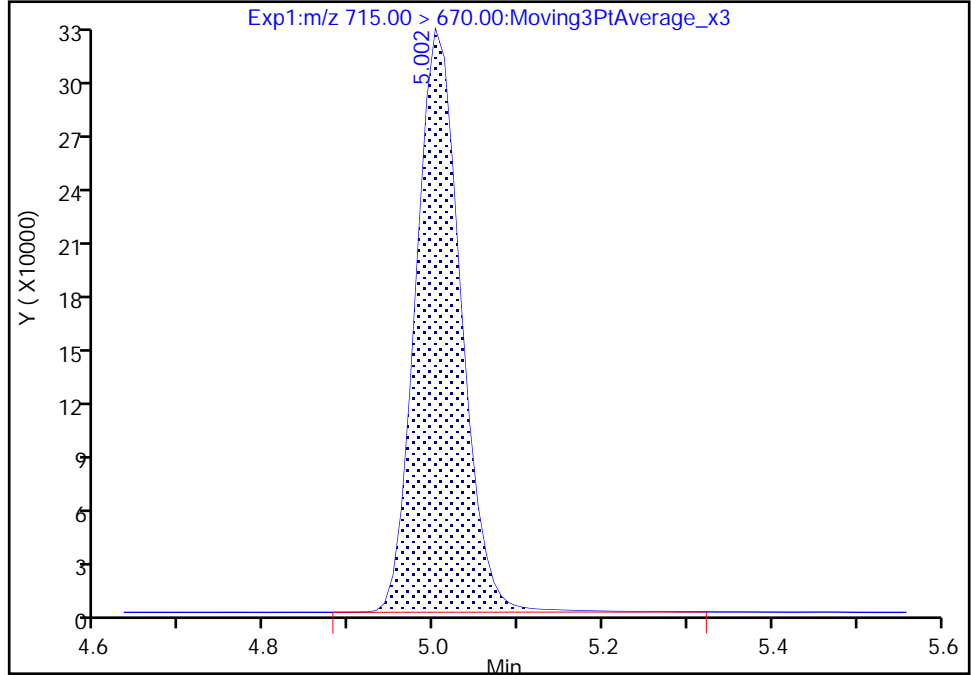
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B27.d
Injection Date: 02-Sep-2022 20:55:50 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116
Signal: 1

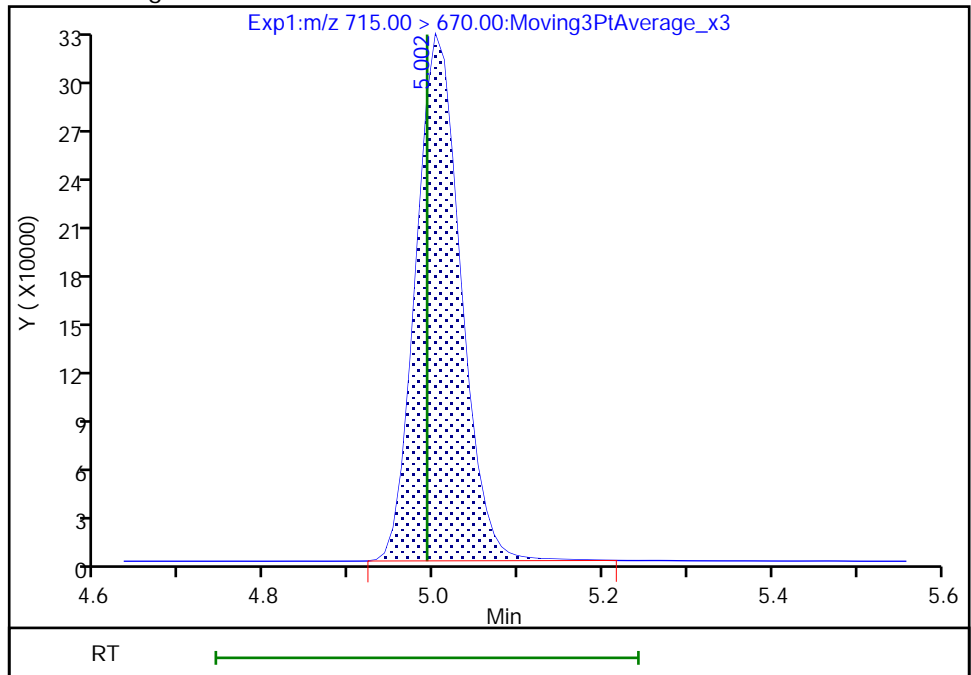
RT: 5.00
Area: 1206304
Amount: 1.448008
Amount Units: ng/ml

Processing Integration Results



RT: 5.00
Area: 1201769
Amount: 1.442564
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:50:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

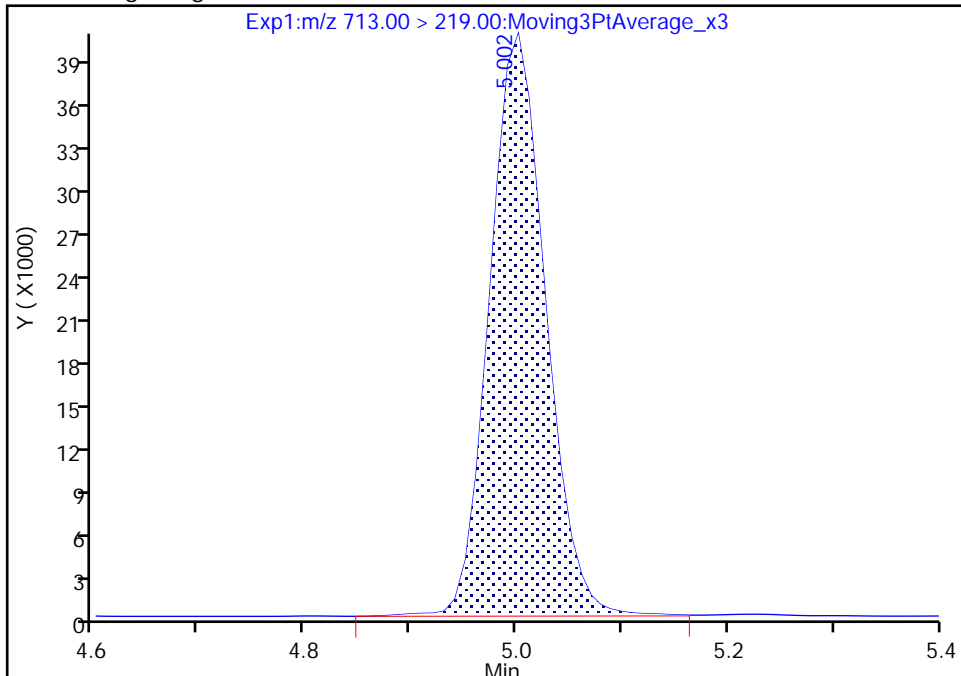
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B27.d
Injection Date: 02-Sep-2022 20:55:50 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

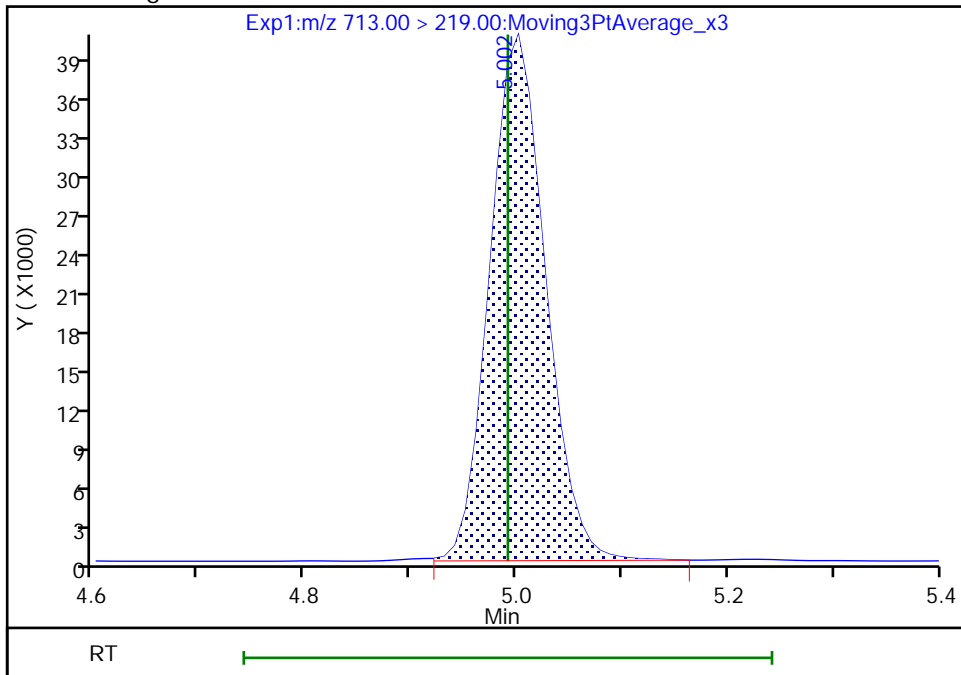
RT: 5.00
Area: 150152
Amount: 0.904249
Amount Units: ng/ml

Processing Integration Results



RT: 5.00
Area: 149265
Amount: 0.904249
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:53:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

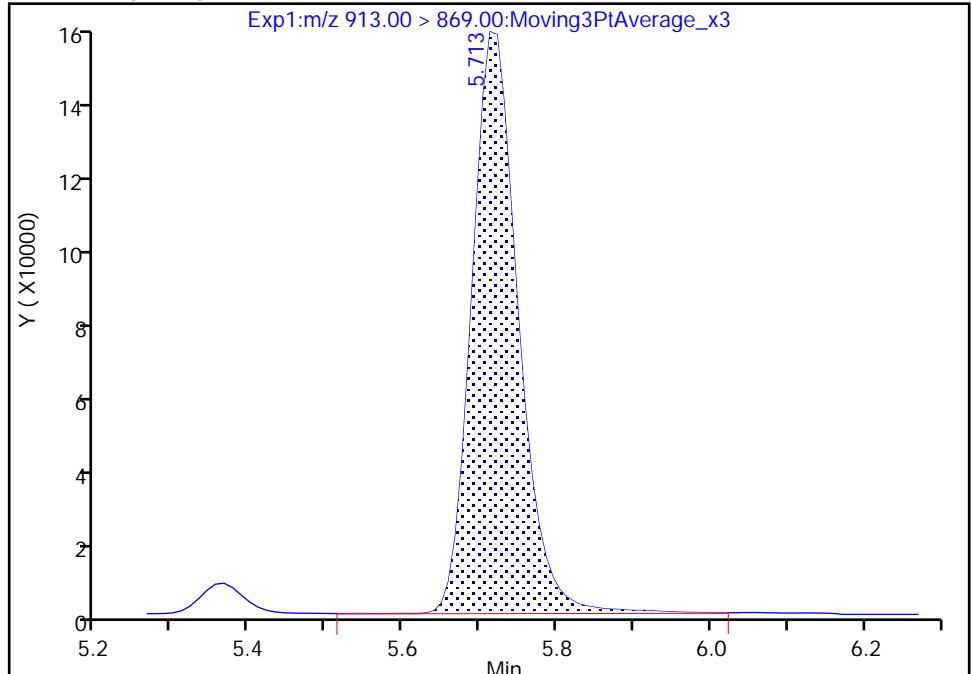
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B27.d
Injection Date: 02-Sep-2022 20:55:50 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

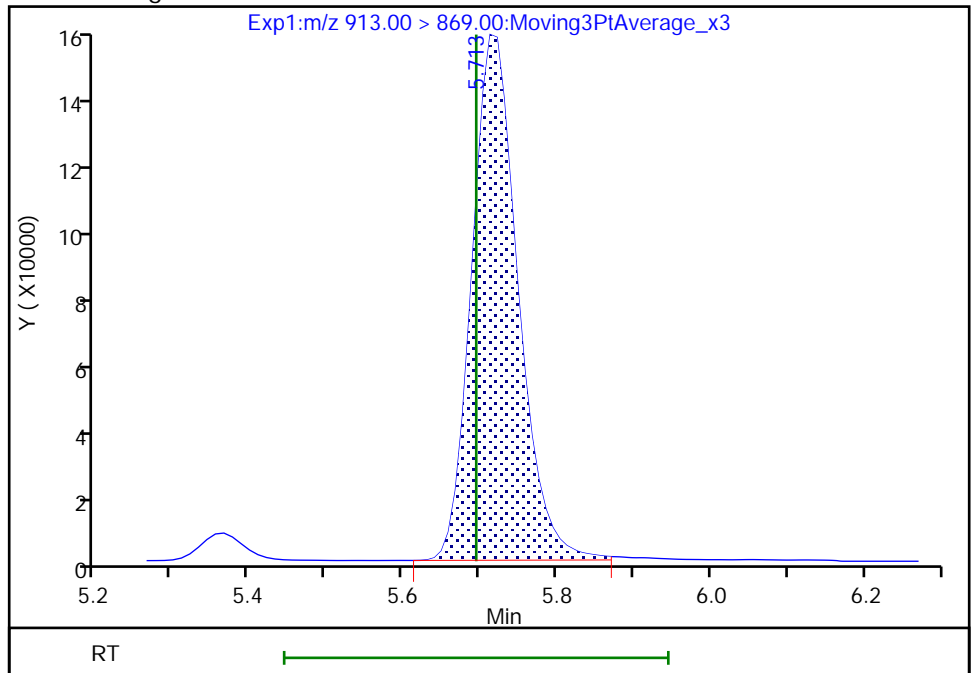
RT: 5.71
Area: 646764
Amount: 1.049150
Amount Units: ng/ml

Processing Integration Results



RT: 5.71
Area: 640079
Amount: 1.038306
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:54:10
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-264366-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-183198/1-A
 Matrix: Solid Lab File ID: PA220902B02B.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: SHAKE Date Extracted: 09/01/2022 07:48
 Sample wt/vol: 5.00 (g) Date Analyzed: 09/02/2022 17:31
 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.: 183258 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.: 460-264366-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-183198/1-A
 Matrix: Solid Lab File ID: PA220902B02B.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: SHAKE Date Extracted: 09/01/2022 07:48
 Sample wt/vol: 5.00(g) Date Analyzed: 09/02/2022 17:31
 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.: 183258 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	101		50-150
STL01892	13C4 PFHpA	95		50-150
STL00990	13C4 PFOA	96		50-150
STL00991	13C4 PFOS	98		50-150
STL00995	13C5 PFNA	93		50-150
STL00992	13C4 PFBA	89		50-150
STL00993	13C2 PFHxA	100		50-150
STL00996	13C2 PFDA	103		50-150
STL00997	13C2 PFUnA	98		50-150
STL00998	13C2 PFDoA	94		50-150
STL01056	13C8 FOSA	98		50-150
STL01893	13C5 PFPeA	102		50-150
STL02116	13C2 PFTeDA	90		50-150
STL02118	d3-NMeFOSAA	118		50-150
STL02117	d5-NEtFOSAA	115		50-150
STL02279	M2-6:2 FTS	109		50-150
STL02280	M2-8:2 FTS	117		50-150
STL02337	13C3 PFBS	102		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d
 Lims ID: MB 200-183198/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 02-Sep-2022 17:31:14 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: MB 200-183198/1-A
 Misc. Info.: 200-0052318-002 Plate: 1 Rack: 2
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 06-Sep-2022 13:25:25 Calib Date: 03-Aug-2022 13:41:11
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1638

First Level Reviewer: nampitakw Date: 05-Sep-2022 09:26:44
 Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA	217.00 > 172.00	2.068	2.068	0.0	0.603	1730882	1.11	89.1	10755	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.076	2.068	0.008	1.004	19582	0.0146		2.3		M
D 3 13C5 PFPeA	267.90 > 223.00	2.373	2.374	-0.001	0.692	1522871	1.27	102	3707	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.373	2.374	-0.001	1.000	16108	0.0128		0.5		M
D 47 13C3 PFBS	301.90 > 80.00	2.386	2.387	-0.001	0.696	1633985	1.18	102	174285	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.386	2.387	-0.001	1.000	7726	0.004980	Target=2.23	8.7		M
298.90 > 99.00	2.386	2.387	-0.001	1.000	3431		2.25(1.11-3.34)	2.7		M
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.676	2.677	-0.001	0.995	2489	0.007595		46.7		M
D 60 M2-4:2 FTS	329.00 > 81.00	2.689	2.677	0.012	0.784	160967	1.35	116	147	M
D 7 13C2 PFHxA	315.00 > 270.00	2.725	2.713	0.012	0.795	1496242	1.25	100	2588	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.725	2.713	0.012	1.000	7477	0.005986	Target=12.24	1.9		
313.00 > 119.00	2.713	2.713	0.0	0.996	881		8.49(6.12-18.36)	2.0		M
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.725	2.713	0.012	0.886	5361	0.004206	Target=2.95	10.1		
349.00 > 99.00	2.725	2.713	0.012	0.886	1917		2.80(1.48-4.43)	4.8		
D 64 13C3 HFPO-DA	287.00 > 169.00	2.822	2.823	-0.001	0.823	274042	1.22	97.6	2530	

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	2.823	0.012	1.004	1111	0.004716		18.8		M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.076	3.077	-0.001	1.000	7118	0.006565	Target=3.43	23.4		M
399.00 > 99.00	3.076	3.077	-0.001	1.000	2972		2.40(1.72-5.15)	5.8		M
D 11 18O2 PFHxS										
403.00 > 84.00	3.076	3.077	-0.001	0.897	1162393	1.19		101	3118	
D 9 13C4 PFHpA										
367.00 > 322.00	3.087	3.077	0.010	0.900	1475439	1.19		95.3	3448	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.087	3.077	0.010	1.000	6440	0.005294	Target=3.73	1.9		M
363.00 > 169.00	3.087	3.077	0.010	1.000	1735		3.71(1.86-5.59)	4.3		M
77 DONA										M
377.00 > 251.00	3.121	3.110	0.011	0.831	14915	0.005102	Target=2.84	26.2		
377.00 > 85.00	3.121	3.110	0.011	0.831	4828		3.09(1.42-4.26)	7.5		M
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.421	3.422	-0.001	0.997	210261	1.29		109	561	M
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.430	3.422	0.008	1.003	1850	-0.009638		8.7		
16 Perfluoroheptanesulfonic acid										RM
449.00 > 80.00	3.421	3.422	-0.001	0.911	3329	0.003794	Target=4.89	13.0		R
449.00 > 99.00	3.439	3.422	0.017	0.916	220		15.13(2.44-7.33)	2.0		M
D 14 13C4 PFOA										
417.00 > 372.00	3.430	3.430	0.0	1.000	1514995	1.19		95.5	3454	
* 62 13C2 PFOA										
415.00 > 370.00	3.430	3.430	0.0		1665044	1.25			2385	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.430	3.430	0.0	1.000	8068	0.005936	Target=2.67	0.6		M
413.00 > 169.00	3.430	3.430	0.0	1.000	3493		2.31(1.34-4.01)	9.1		M
D 18 13C4 PFOS										M
503.00 > 80.00	3.754	3.745	0.009	1.094	848235	1.17		97.7	2317	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.754	3.745	0.009	1.000	5524	-0.0107	Target=4.88	4.4		M
499.00 > 99.00	3.754	3.745	0.009	1.000	1046		5.28(2.44-7.32)	5.3		M
D 19 13C5 PFNA										M
468.00 > 423.00	3.773	3.764	0.009	1.100	1527664	1.16		92.8	3062	M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.773	3.764	0.009	1.000	4727	0.003801	Target=8.23	1.5		M
463.00 > 169.00	3.773	3.764	0.009	1.000	1077		4.39(4.11-12.34)	14.0		M
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.915	3.916	-0.001	1.043	4620	0.003685		21.5		M
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.050	4.042	0.008	1.079	1359	0.002445	Target=2.53	23.8		
549.00 > 99.00	4.041	4.042	-0.001	1.077	729		1.86(1.26-3.79)	5.7		M
D 23 13C2 PFDA										
515.00 > 470.00	4.081	4.061	0.020	1.190	1656380	1.29		103	4236	

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	4.061	0.010	0.997	6448	0.004627	Target=9.67	3.5		M
513.00 > 169.00	4.071	4.061	0.010	0.997	959		6.72(4.83-14.50)	4.5		M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.081	4.071	0.010	1.190	273596	1.40		117	764	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.092	4.071	0.021	1.003	1109	0.005027		28.9		M
D 21 13C8 FOSA										
506.00 > 78.00	4.127	4.127	0.0	1.203	1374240	1.22		98.0	2032	
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.138	4.127	0.011	1.003	6114	0.005458		27.6		M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.217	4.207	0.010	1.230	252970	1.47		118	1416	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.228	4.218	0.010	1.002	1799	0.0100		5.6		M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.319	4.308	0.011	1.151	1432	0.003462	Target=2.80	19.7		M
599.00 > 99.00	4.331	4.308	0.023	1.154	635		2.26(1.40-4.20)	12.1		M
D 30 13C2 PFUnA										
565.00 > 520.00	4.353	4.342	0.011	1.269	1194887	1.23		98.4	2083	
31 Perfluoroundecanoic acid										RM
563.00 > 519.00	4.353	4.342	0.011	1.000	6135	0.006058	Target=9.07	3.0		RM
563.00 > 169.00	4.342	4.342	0.0	0.997	410		14.96(4.54-13.61)	6.1		M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.364	4.342	0.022	1.272	234068	1.44		115	960	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.364	4.354	0.010	1.000	1392	0.008188		11.5		M
66 11-Chloroeicosafuoro-3-oxaundec										M
631.00 > 451.00	4.454	4.432	0.022	1.186	5413	0.003317		24.9		M
D 36 13C2 PFDaA										
615.00 > 570.00	4.591	4.580	0.011	1.339	1176676	1.17		93.5	2487	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.591	4.580	0.011	1.000	4804	0.005032	Target=6.97	0.8		M
613.00 > 169.00	4.591	4.580	0.011	1.000	481		9.99(3.48-10.45)	9.8		M
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.612	4.602	0.010	1.130	446	0.004327		8.9		
75 Perfluorododecanesulfonic acid (RM
699.00 > 80.00	4.776	4.758	0.018	1.272	833	0.004536	Target=0.52	13.8		RM
699.00 > 99.00	4.767	4.758	0.009	1.270	949		0.88(0.26-0.79)	17.0		M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.803	4.785	0.018	1.046	3571	0.004315	Target=4.56	0.7		M
663.00 > 169.00	4.803	4.785	0.018	1.046	663		5.39(2.28-6.84)	13.4		M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.012	4.992	0.020	1.461	926244	1.13		90.1	2757	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.012	4.992	0.020	1.000	773	0.006511	Target=0.94	12.2		M
713.00 > 219.00	5.002	4.992	0.010	0.998	793		0.97(0.47-1.41)	19.5		M

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	5.344	0.022	1.565	889454	0.9490		75.9	2454	
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.366	5.344	0.022	1.000	10842	-0.003730	Target=4.38		3.1	
813.00 > 169.00	5.366	5.344	0.022	1.000	2035		5.33(2.19-6.57)		29.4	M
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.731	5.695	0.036	1.068	2198	0.004646	Target=4.31		1.0	M
913.00 > 169.00	5.722	5.695	0.027	1.066	637		3.45(2.16-6.47)		15.1	M

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d

Injection Date: 02-Sep-2022 17:31:14

Instrument ID: LC812

Lims ID: MB 200-183198/1-A

Client ID:

Operator ID: lc812tech

ALS Bottle#: 2

Worklist Smp#: 2

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

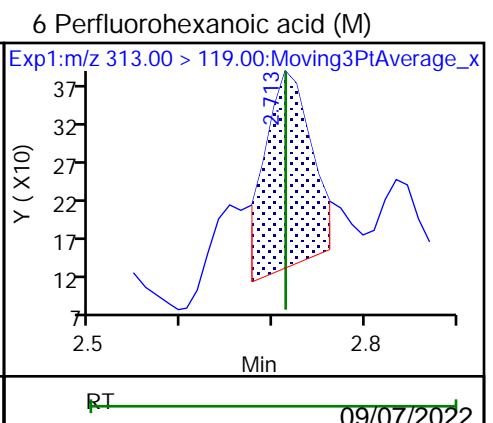
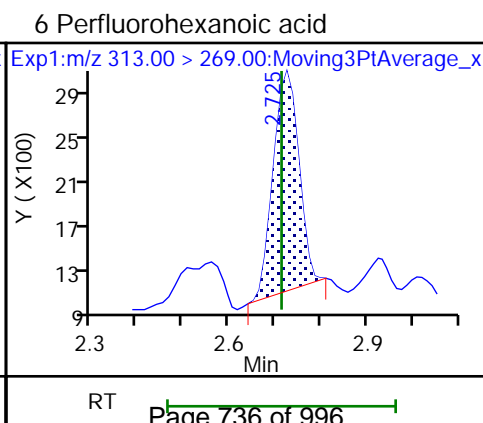
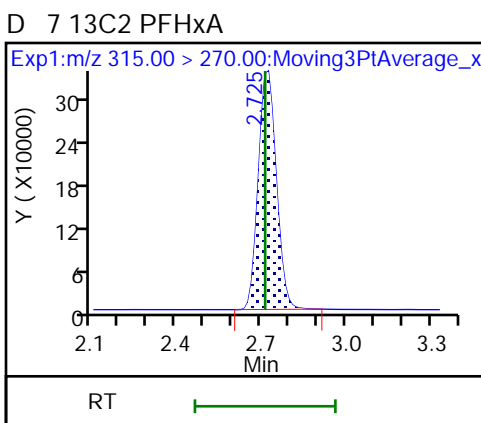
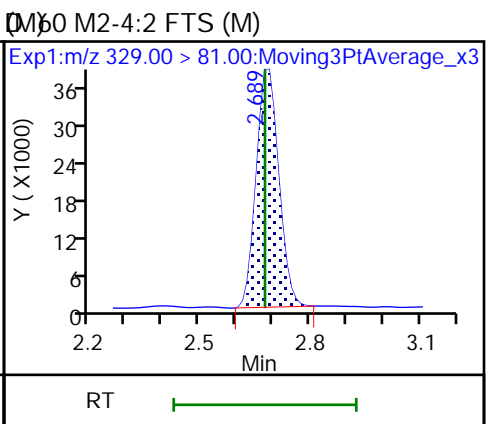
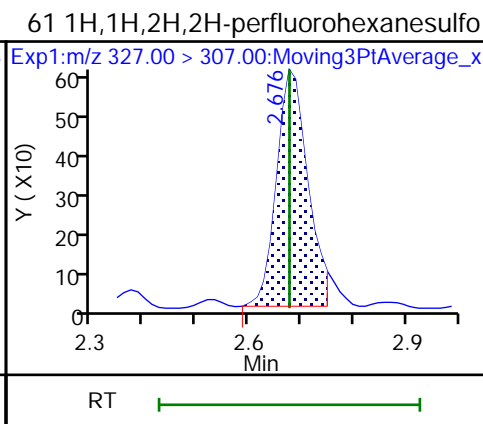
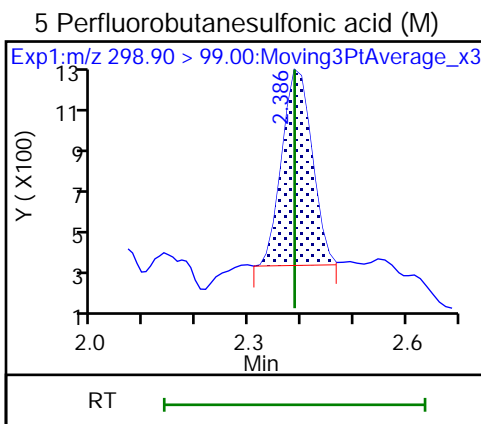
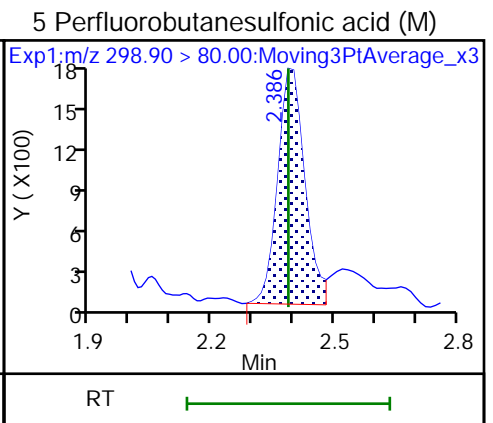
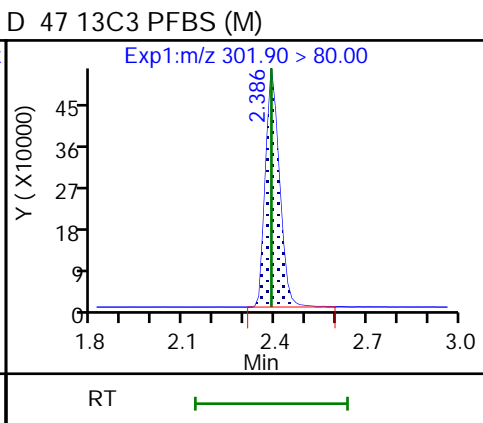
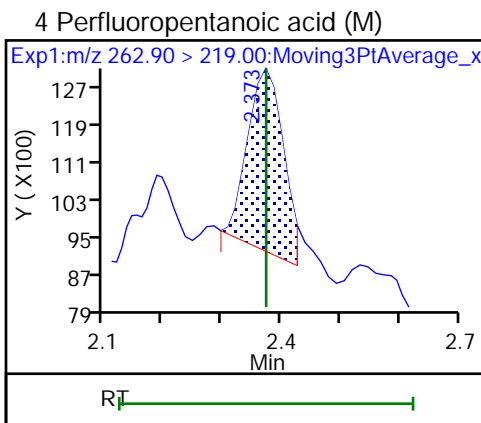
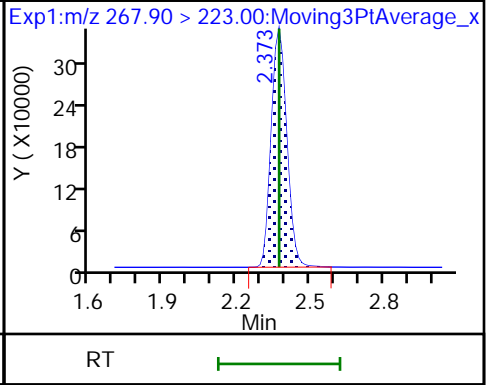
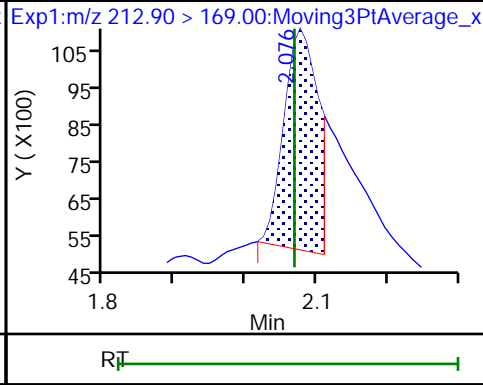
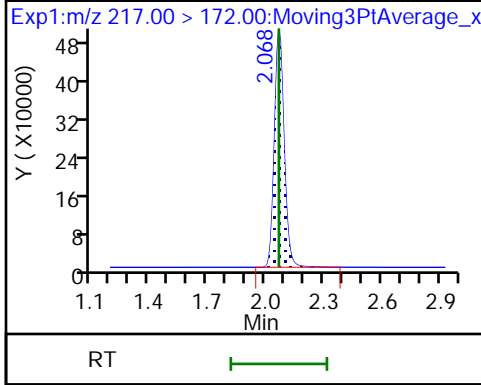
Method: PFC_LC812

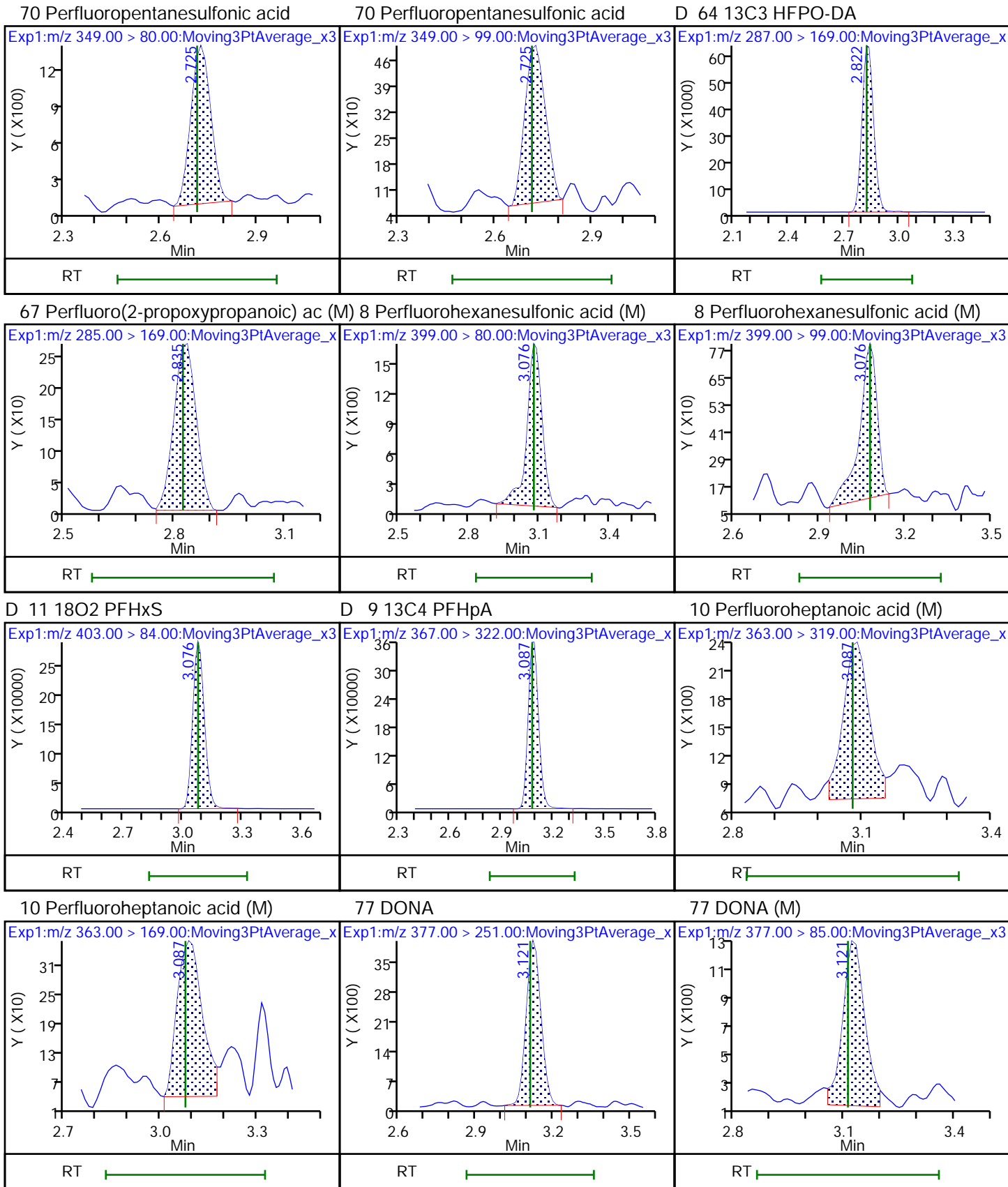
Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

D 3 13C5 PFPeA

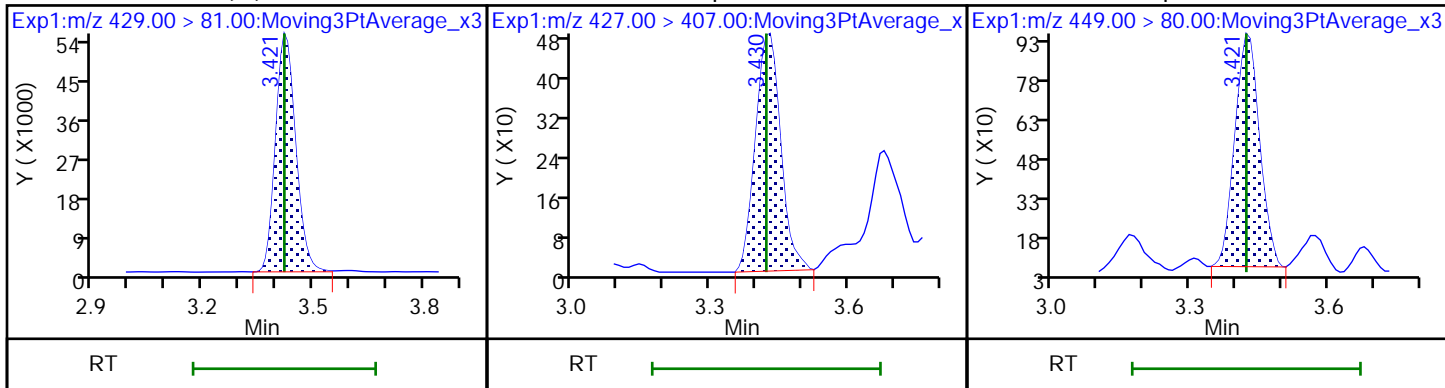




D 12 M2-6:2 FTS (M)

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

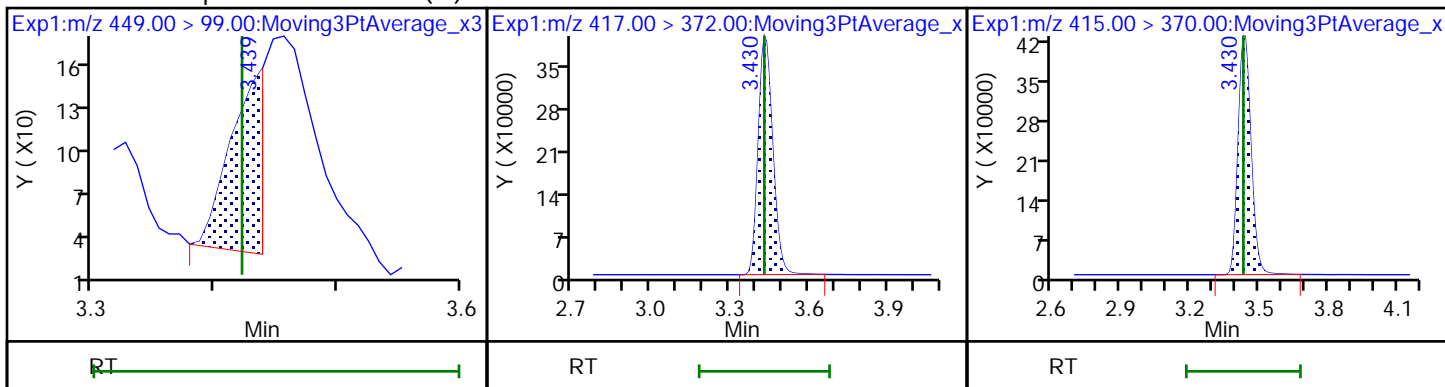
16 Perfluoroheptanesulfonic acid



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

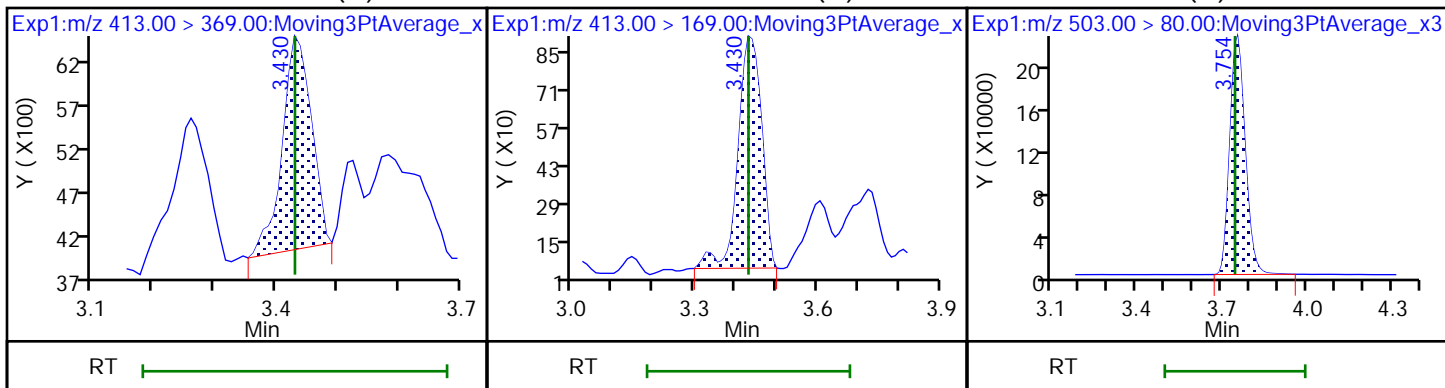
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

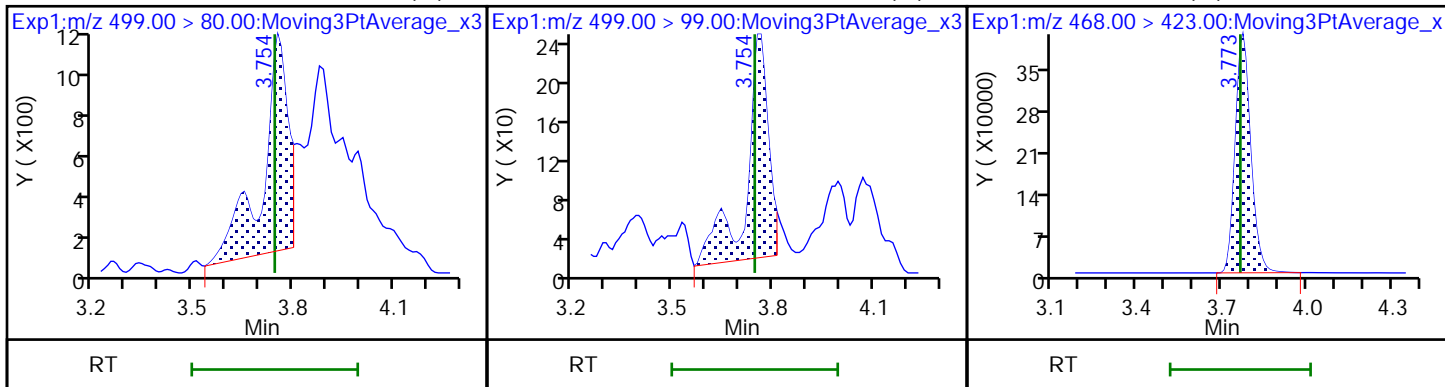
D 18 13C4 PFOS (M)

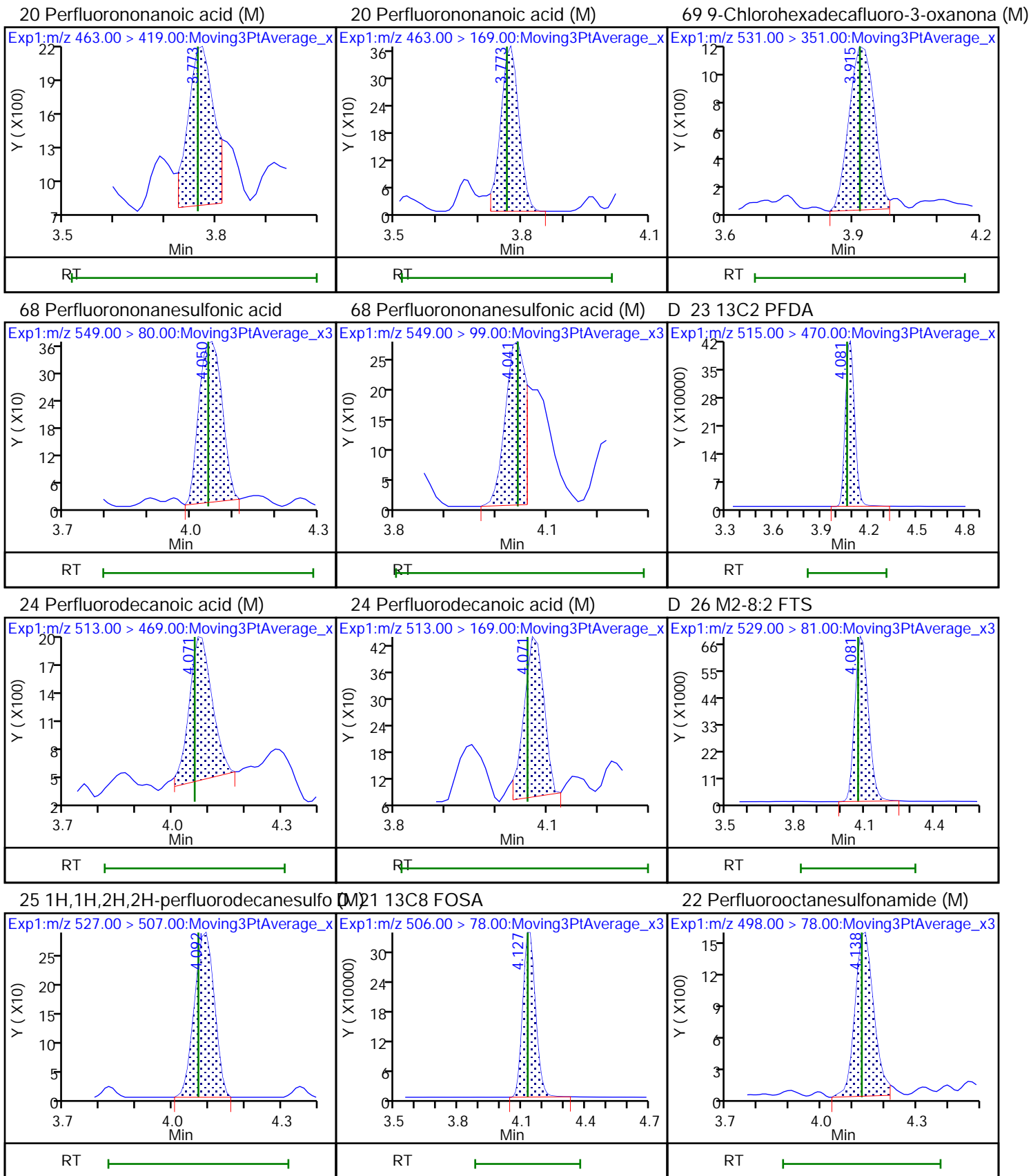


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

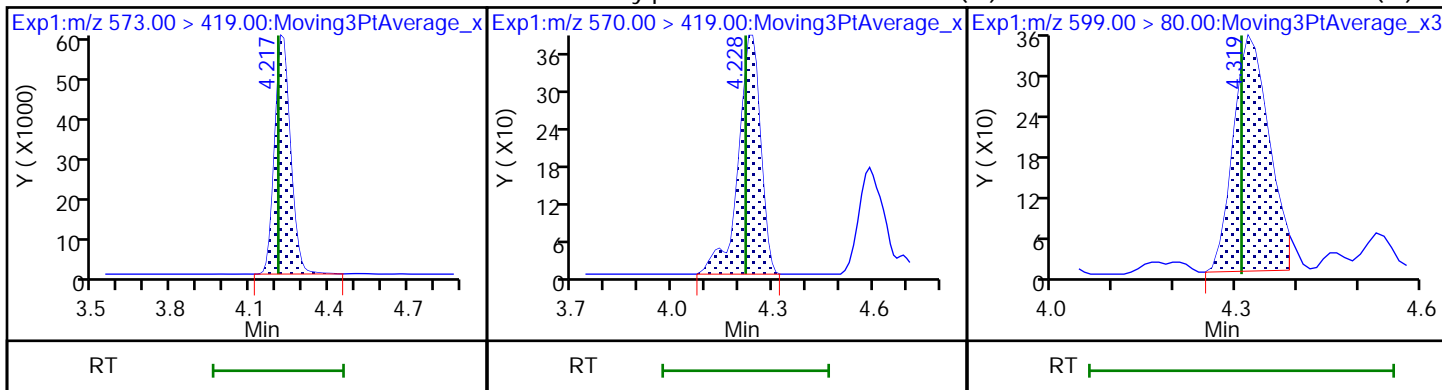
D 19 13C5 PFNA (M)





D 27 d3-NMeFOSAA

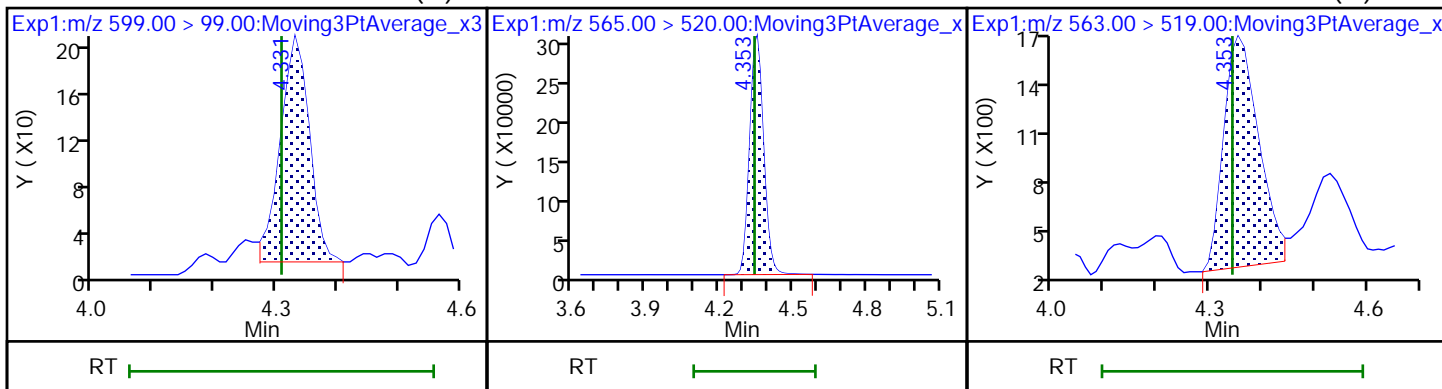
28 N-methylperfluorooctanesulfonami (M)
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUoA

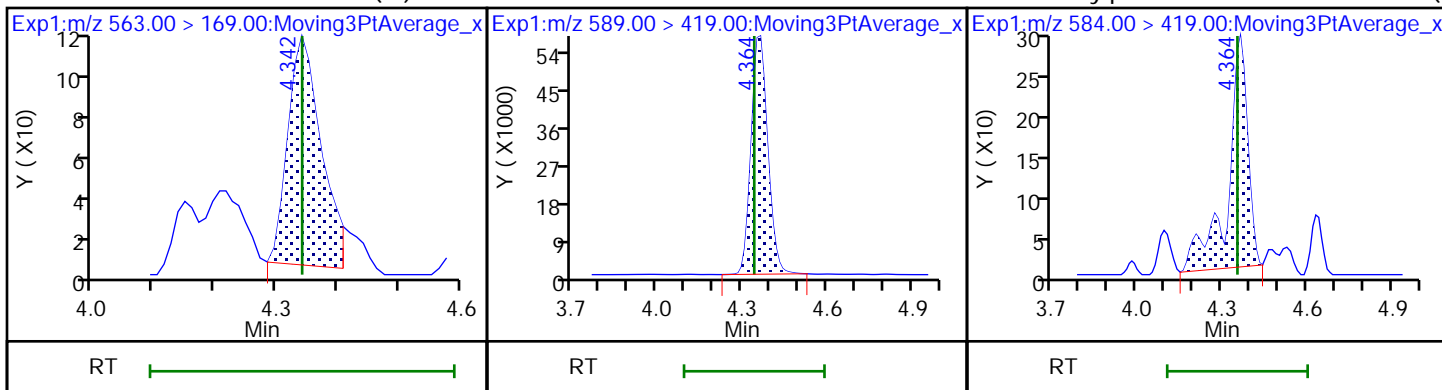
31 Perfluoroundecanoic acid (M)



31 Perfluoroundecanoic acid (M)

D 32 d5-NEtFOSAA

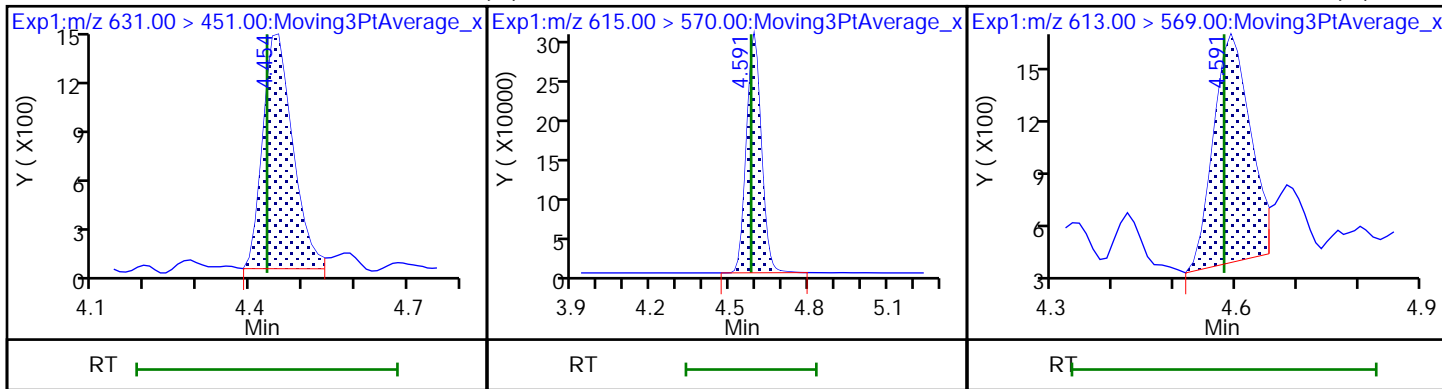
33 N-ethylperfluorooctanesulfonamid (M)



66 11-Chloroeicosafuoro-3-oxaundec (M)

36 13C2 PFDoA

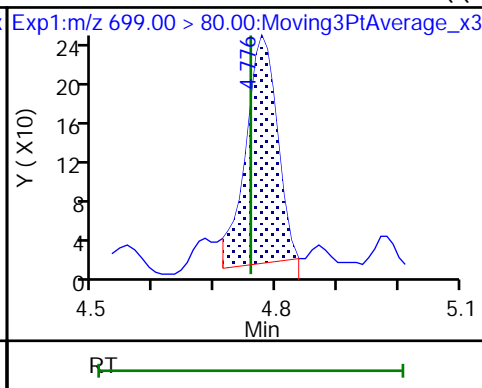
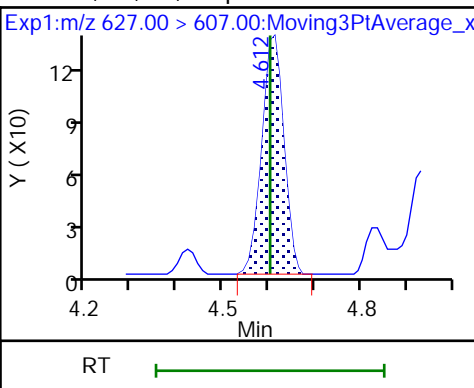
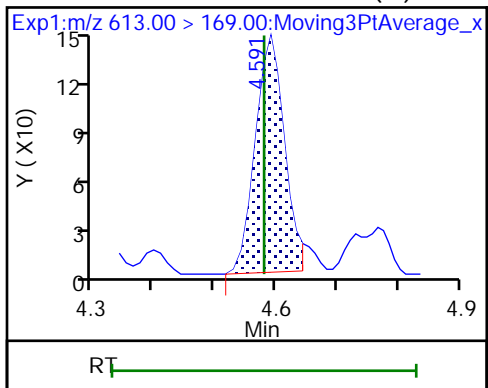
37 Perfluorododecanoic acid (M)



37 Perfluorododecanoic acid (M)

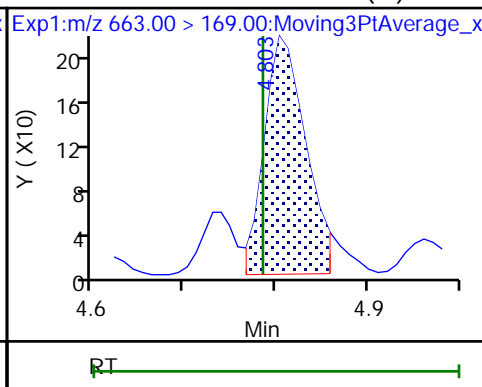
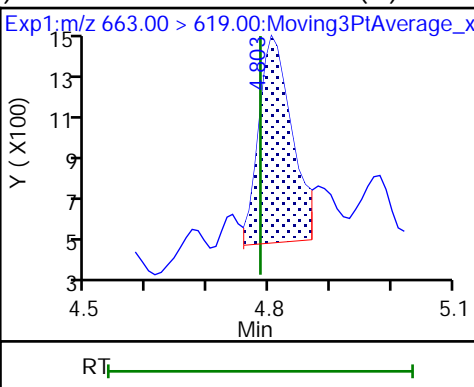
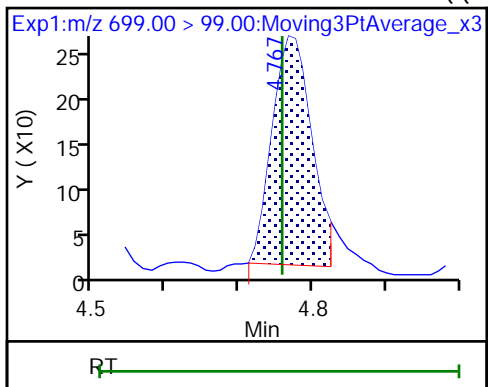
74 1H,1H,2H,2H-perfluorododecanesul

75 Perfluorododecanesulfonic acid (M)



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

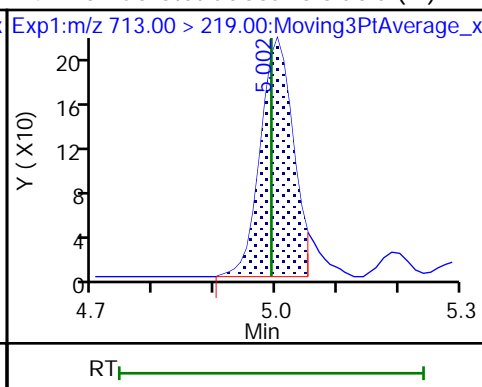
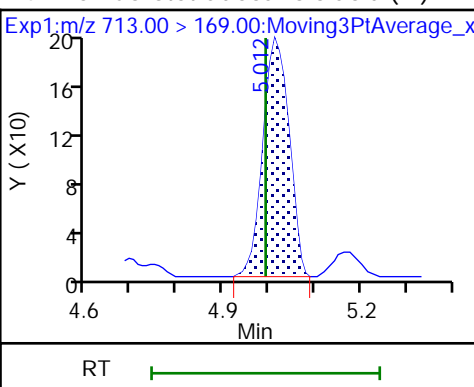
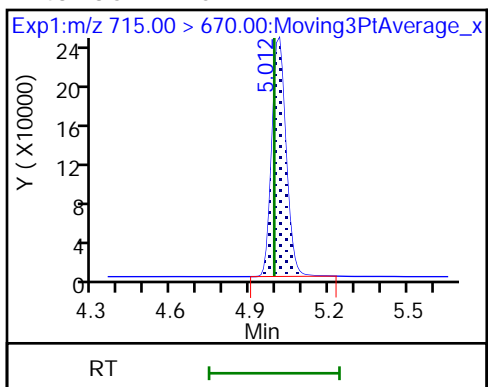
41 Perfluorotridecanoic acid (M)



D 43 13C2 PFTeDA

42 Perfluorotetradecanoic acid (M)

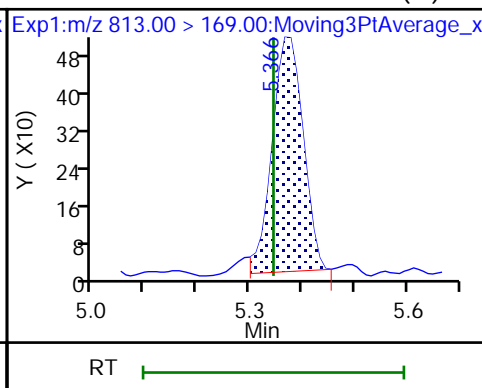
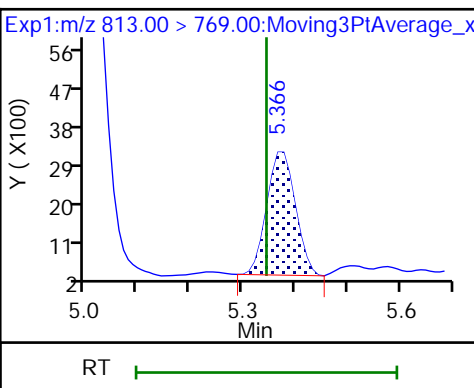
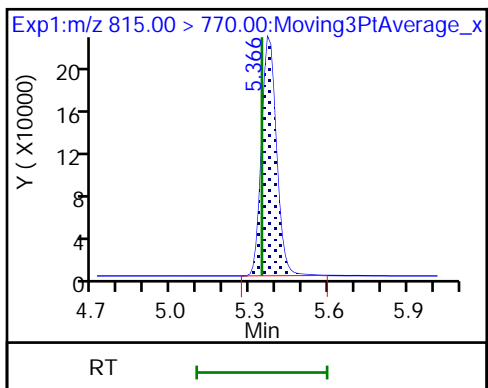
42 Perfluorotetradecanoic acid (M)



D 44 13C2 PFHxDA

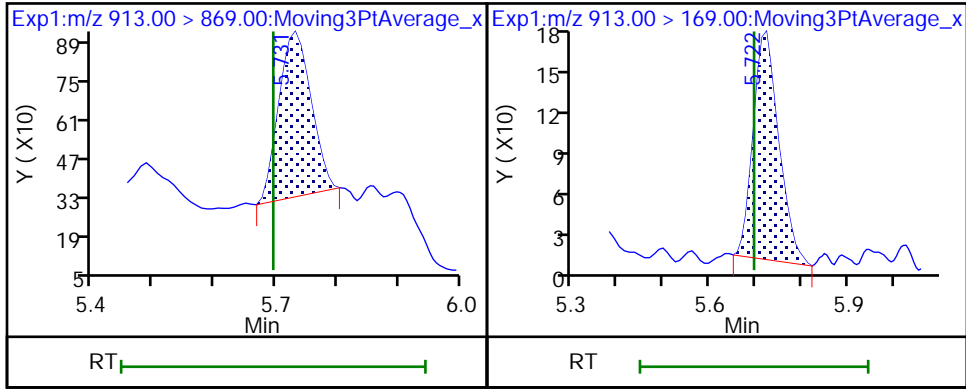
45 Perfluorohexadecanoic acid

45 Perfluorohexadecanoic acid (M)



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

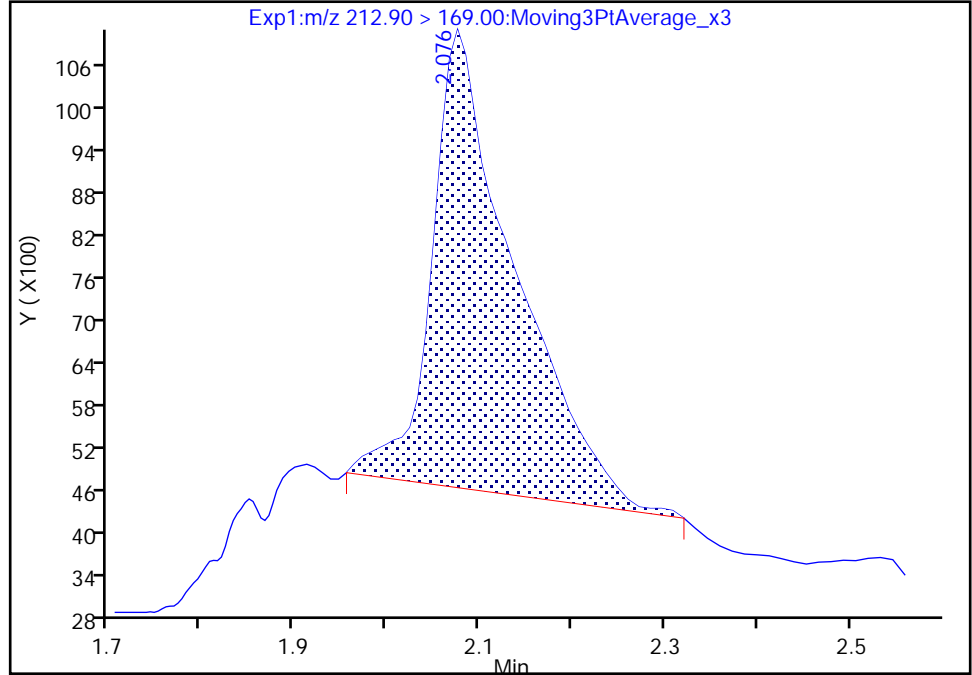
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d
Injection Date: 02-Sep-2022 17:31:14 Instrument ID: LC812
Lims ID: MB 200-183198/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

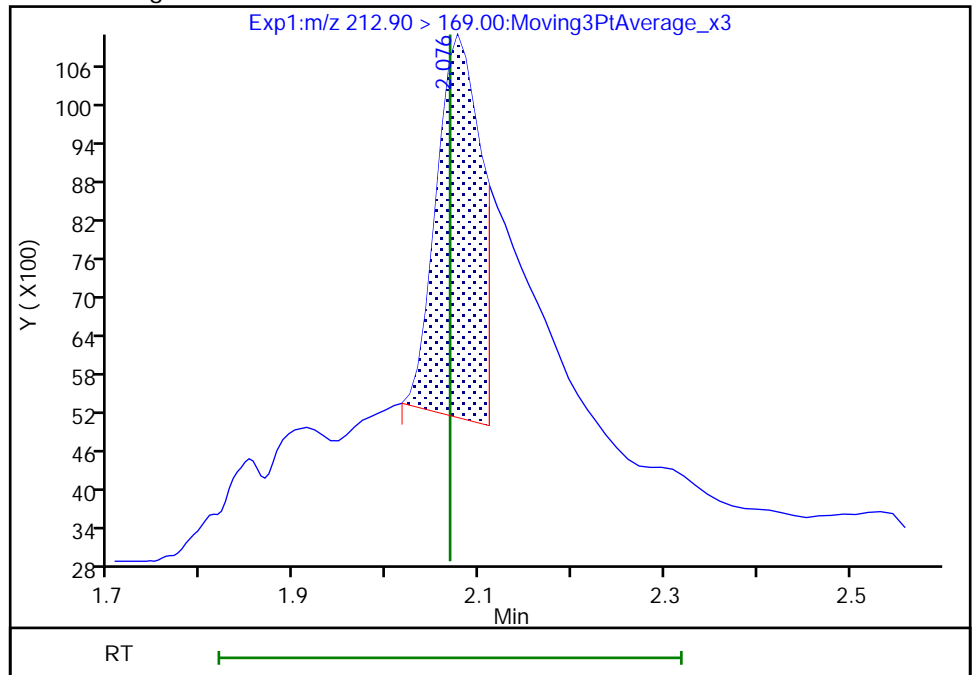
RT: 2.08
Area: 40692
Amount: 0.030305
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 19582
Amount: 0.014584
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:21:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

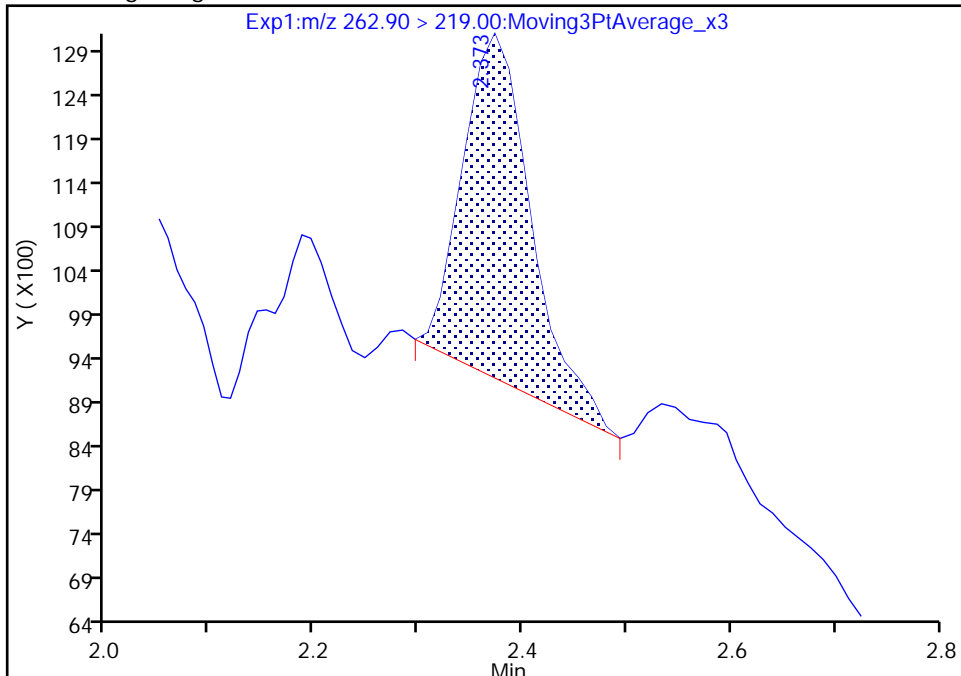
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d
Injection Date: 02-Sep-2022 17:31:14 Instrument ID: LC812
Lims ID: MB 200-183198/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

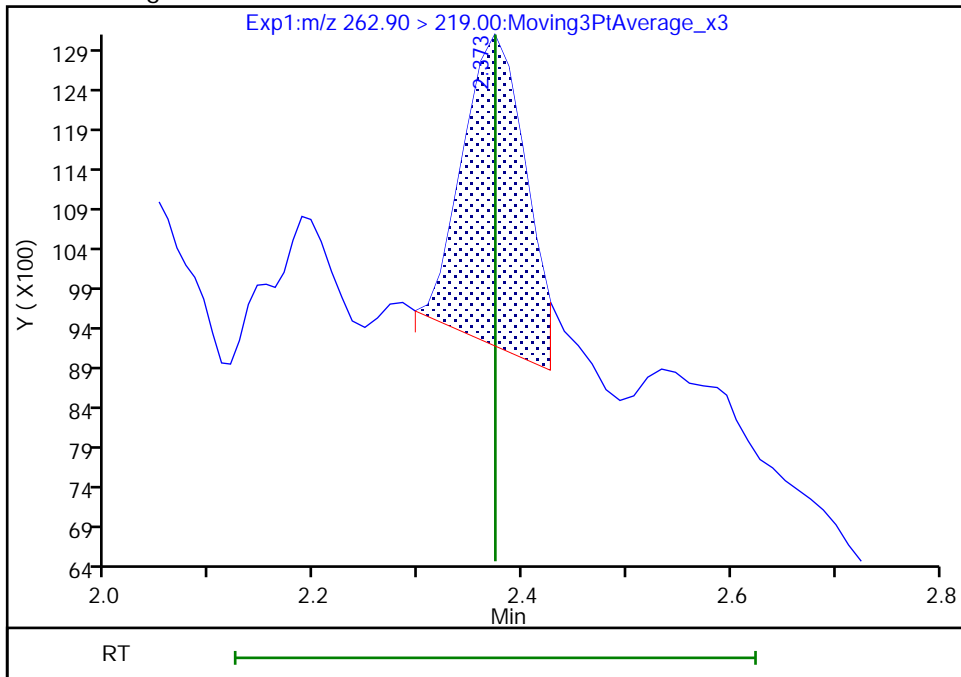
RT: 2.37
Area: 17536
Amount: 0.013962
Amount Units: ng/ml

Processing Integration Results



RT: 2.37
Area: 16108
Amount: 0.012825
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:21:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

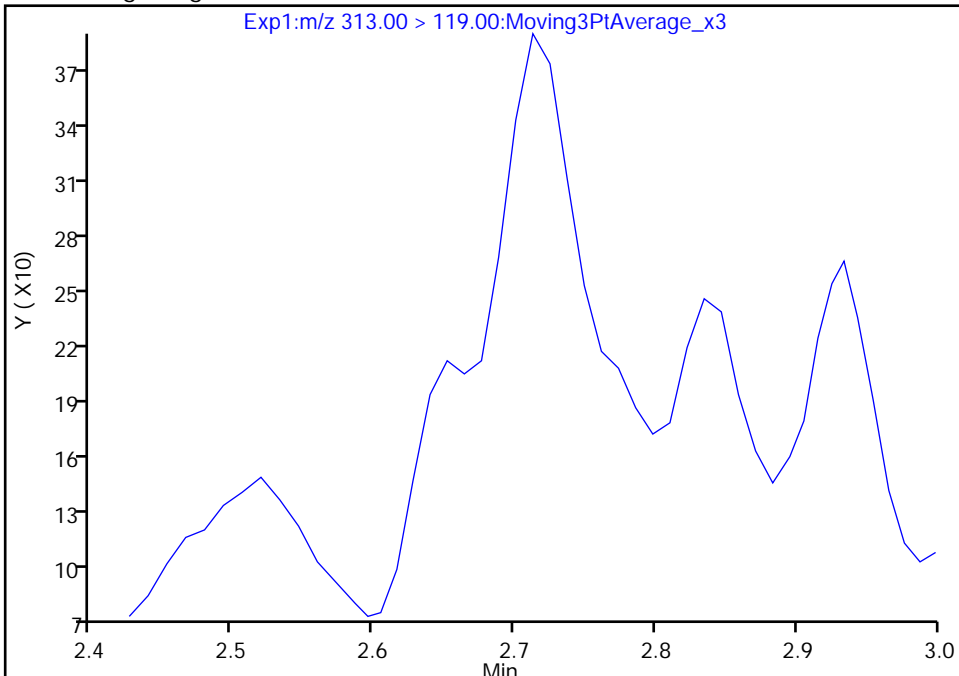
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d
Injection Date: 02-Sep-2022 17:31:14 Instrument ID: LC812
Lims ID: MB 200-183198/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

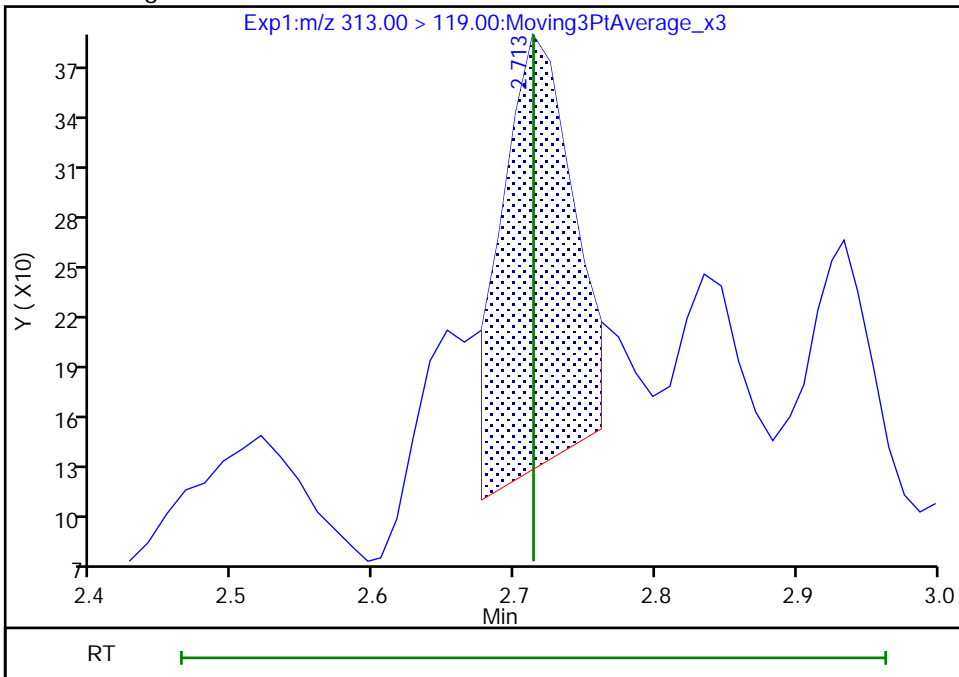
Not Detected
Expected RT: 2.71

Processing Integration Results



Manual Integration Results

RT: 2.71
Area: 881
Amount: 0.005986
Amount Units: ng/ml



Reviewer: nampitakw, 05-Sep-2022 09:22:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

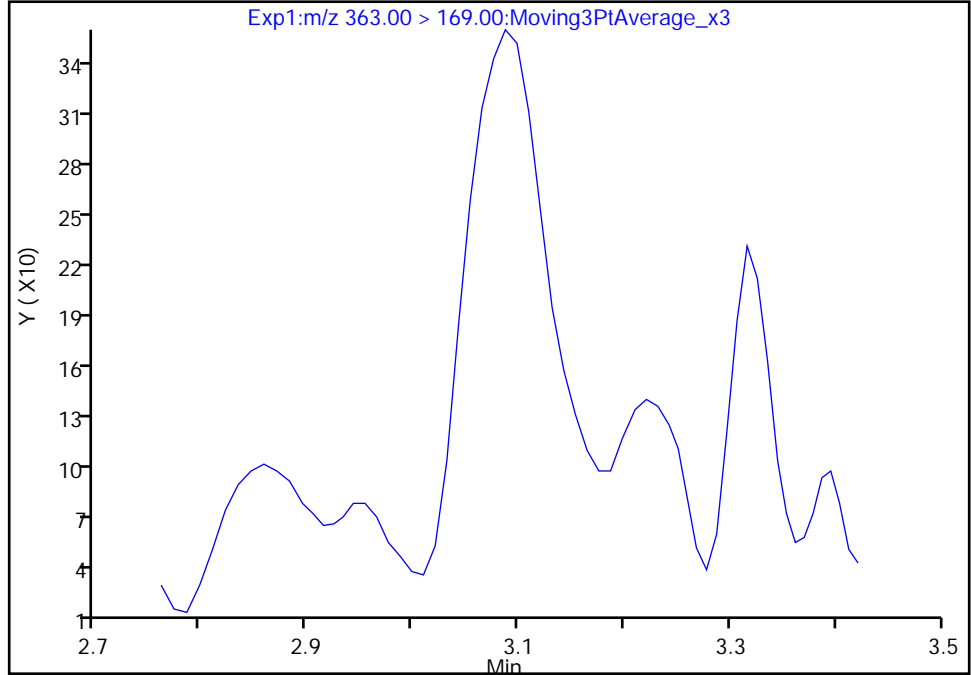
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d
Injection Date: 02-Sep-2022 17:31:14 Instrument ID: LC812
Lims ID: MB 200-183198/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

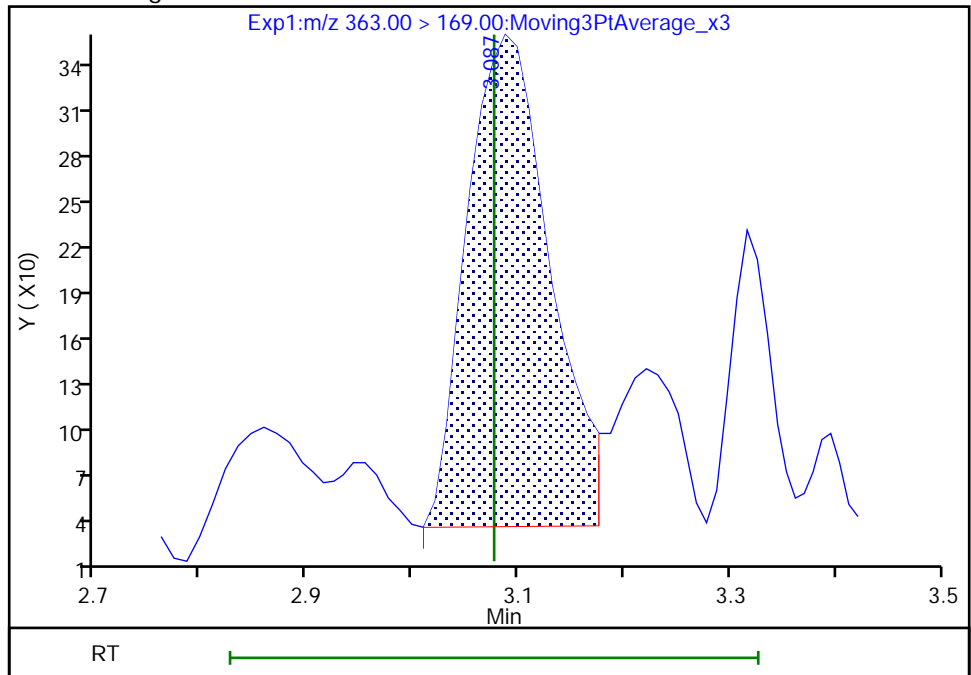
Not Detected
Expected RT: 3.08

Processing Integration Results



Manual Integration Results

RT: 3.09
Area: 1735
Amount: 0.005294
Amount Units: ng/ml



Reviewer: nampitakw, 05-Sep-2022 09:23:28
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

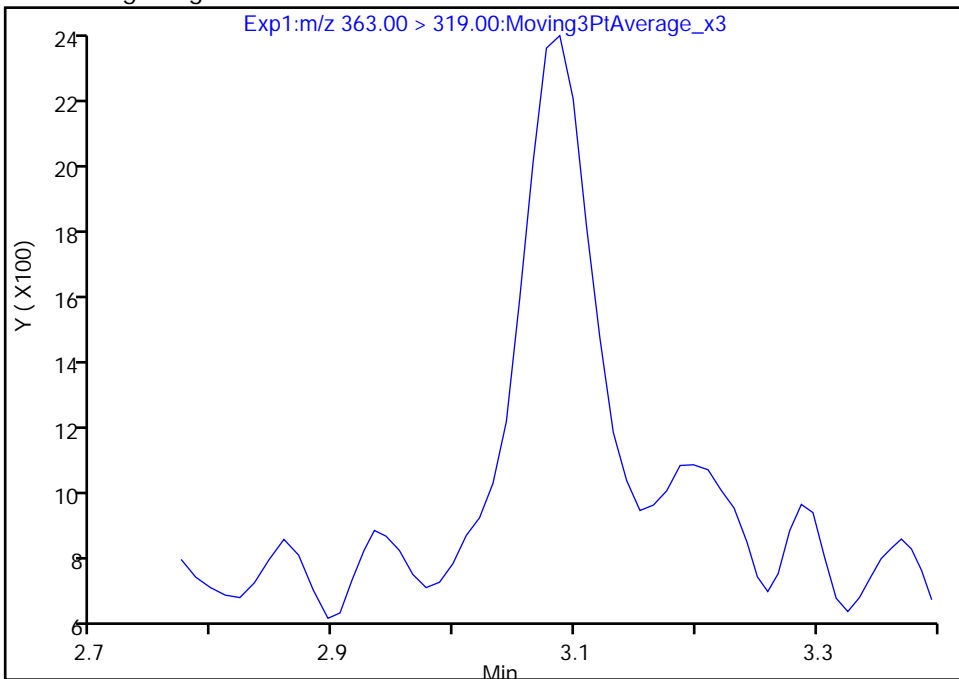
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d
Injection Date: 02-Sep-2022 17:31:14 Instrument ID: LC812
Lims ID: MB 200-183198/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

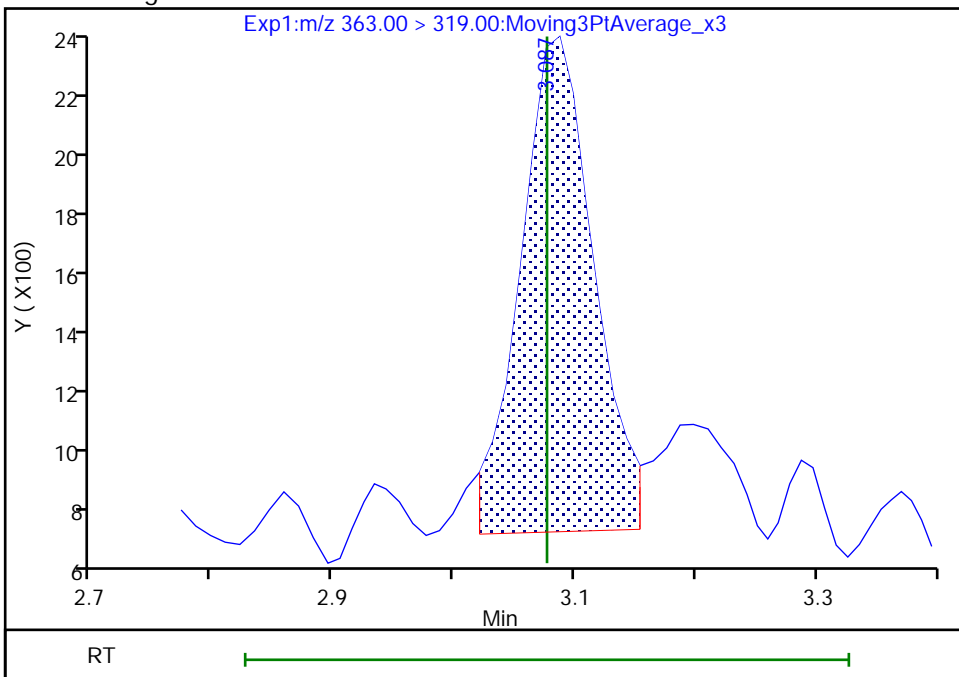
Not Detected
Expected RT: 3.08

Processing Integration Results



Manual Integration Results

RT: 3.09
Area: 6440
Amount: 0.005294
Amount Units: ng/ml



Reviewer: nampitakw, 05-Sep-2022 09:23:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

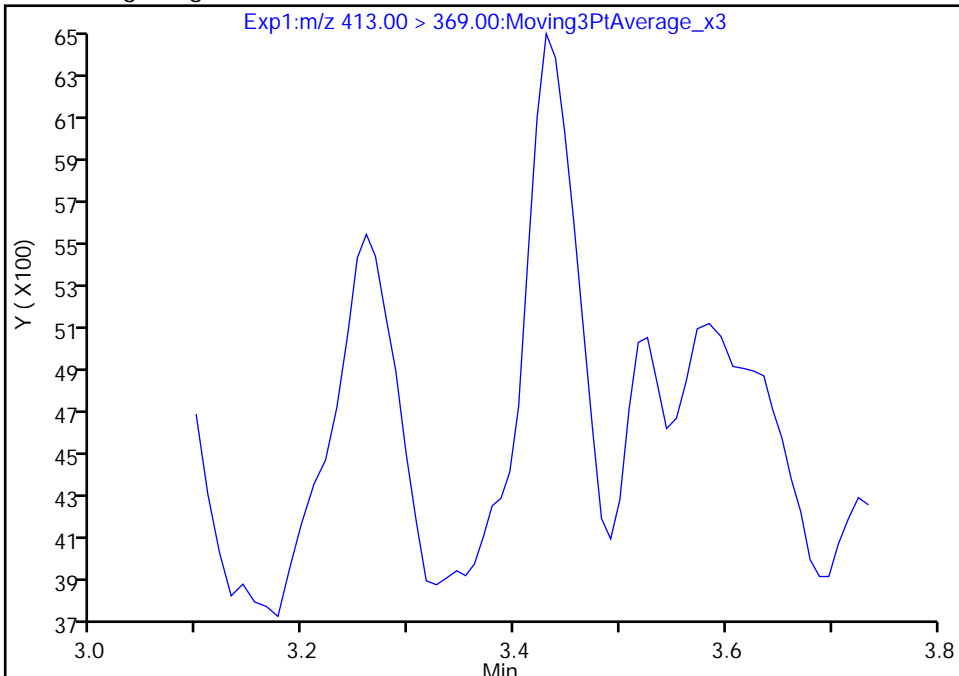
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d
Injection Date: 02-Sep-2022 17:31:14 Instrument ID: LC812
Lims ID: MB 200-183198/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

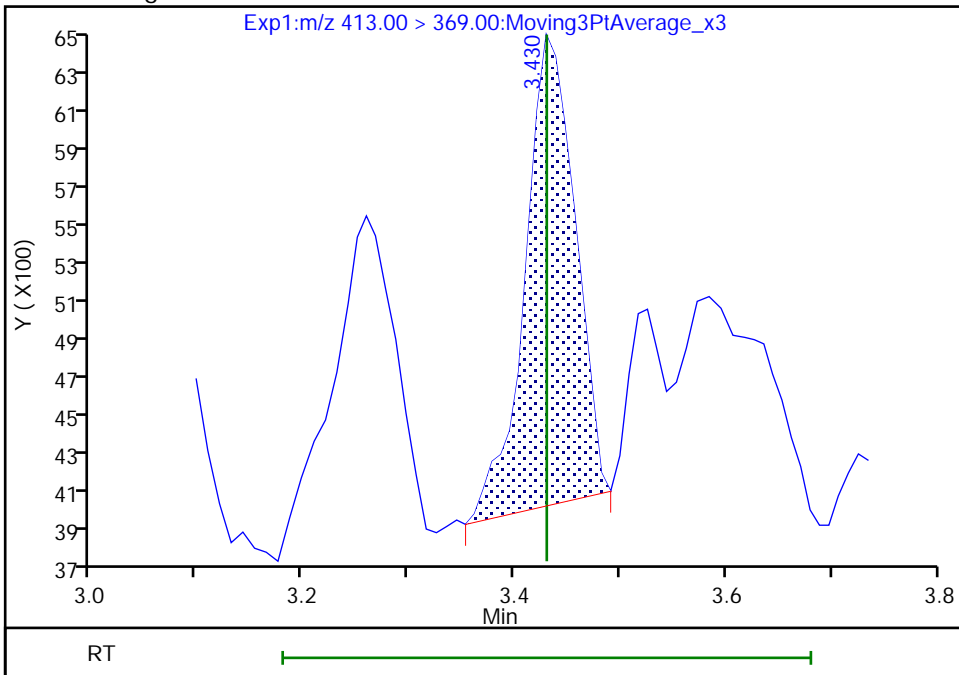
Not Detected
Expected RT: 3.43

Processing Integration Results



Manual Integration Results

RT: 3.43
Area: 8068
Amount: 0.005936
Amount Units: ng/ml



Reviewer: nampitakw, 05-Sep-2022 09:25:29
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

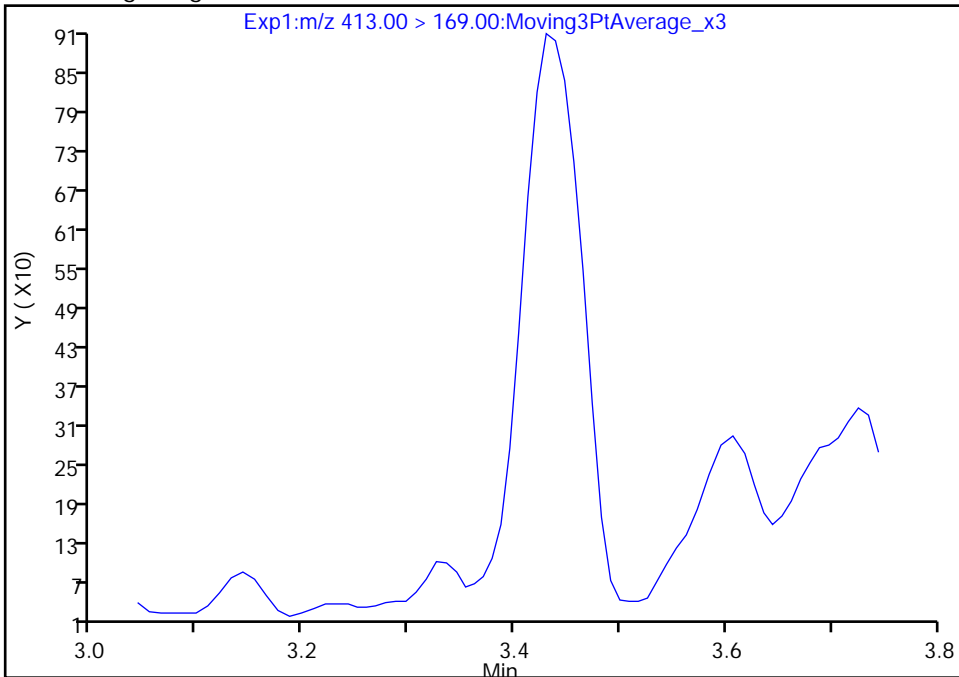
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d
Injection Date: 02-Sep-2022 17:31:14 Instrument ID: LC812
Lims ID: MB 200-183198/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

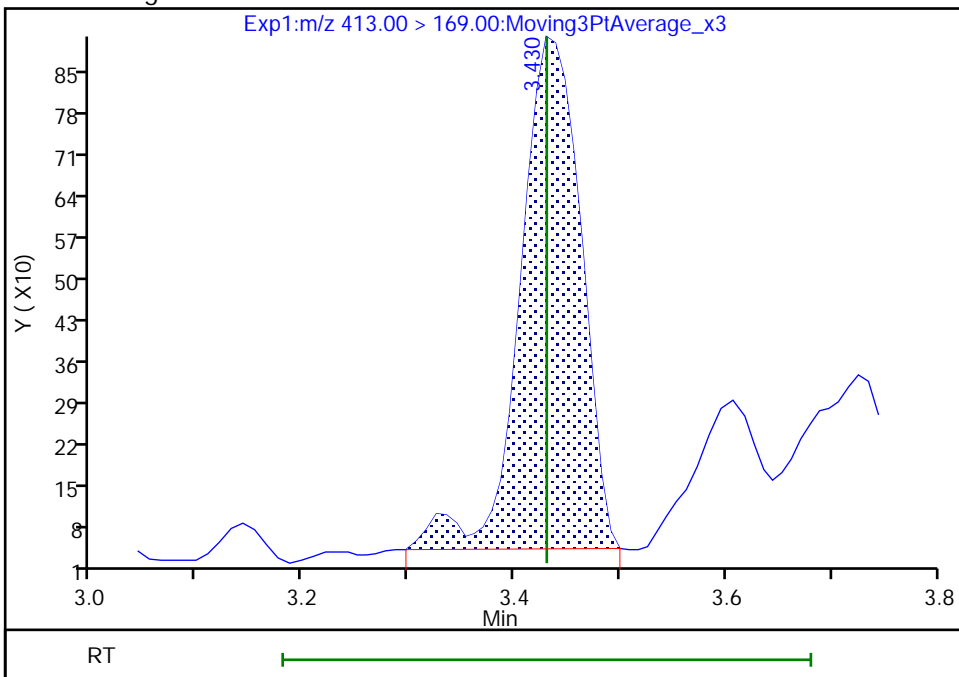
Not Detected
Expected RT: 3.43

Processing Integration Results



Manual Integration Results

RT: 3.43
Area: 3493
Amount: 0.005936
Amount Units: ng/ml



Reviewer: nampitakw, 05-Sep-2022 09:25:35

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

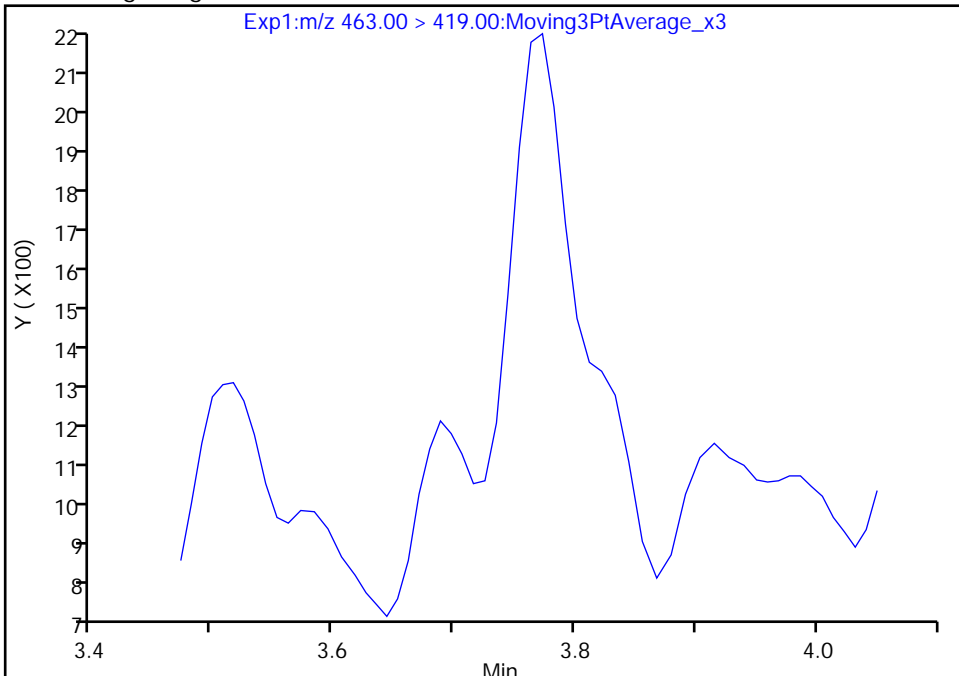
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d
Injection Date: 02-Sep-2022 17:31:14 Instrument ID: LC812
Lims ID: MB 200-183198/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

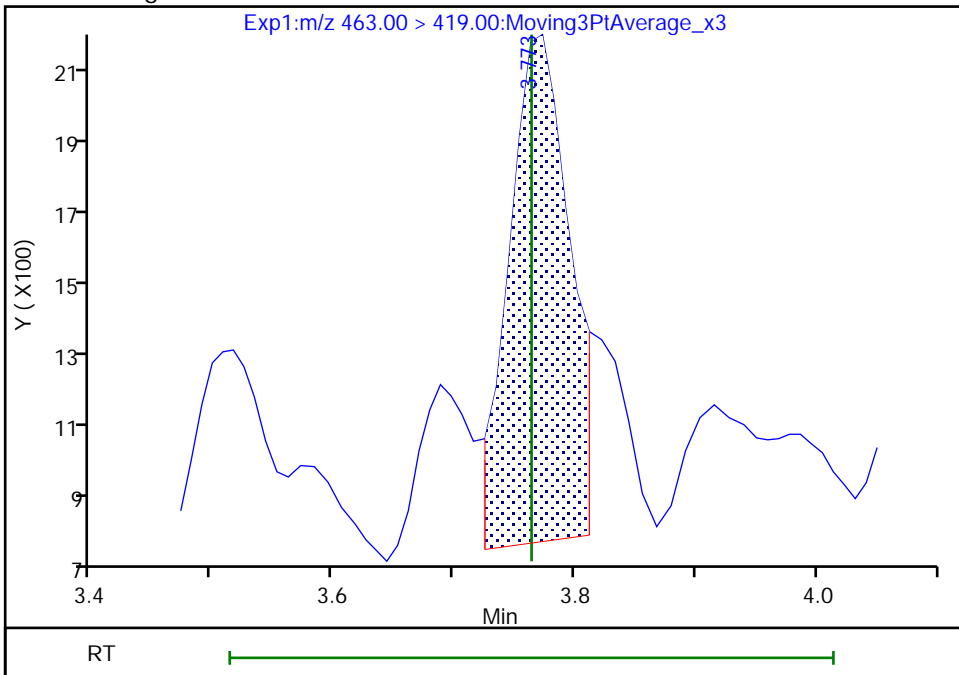
Not Detected
Expected RT: 3.76

Processing Integration Results



Manual Integration Results

RT: 3.77
Area: 4727
Amount: 0.003801
Amount Units: ng/ml



Reviewer: SJ4N, 06-Sep-2022 12:06:51
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

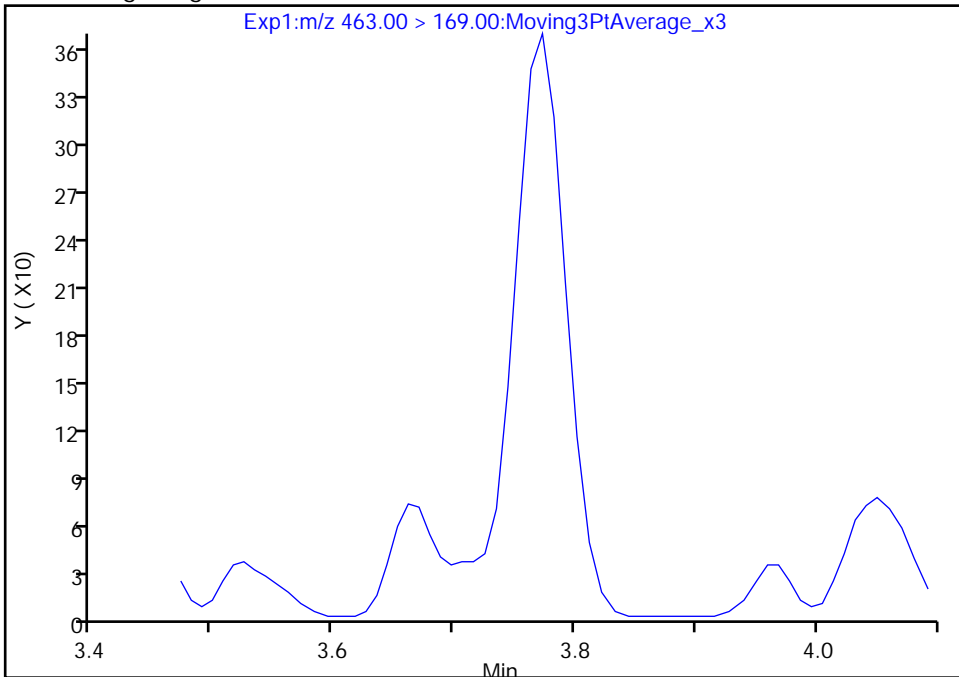
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d
Injection Date: 02-Sep-2022 17:31:14 Instrument ID: LC812
Lims ID: MB 200-183198/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

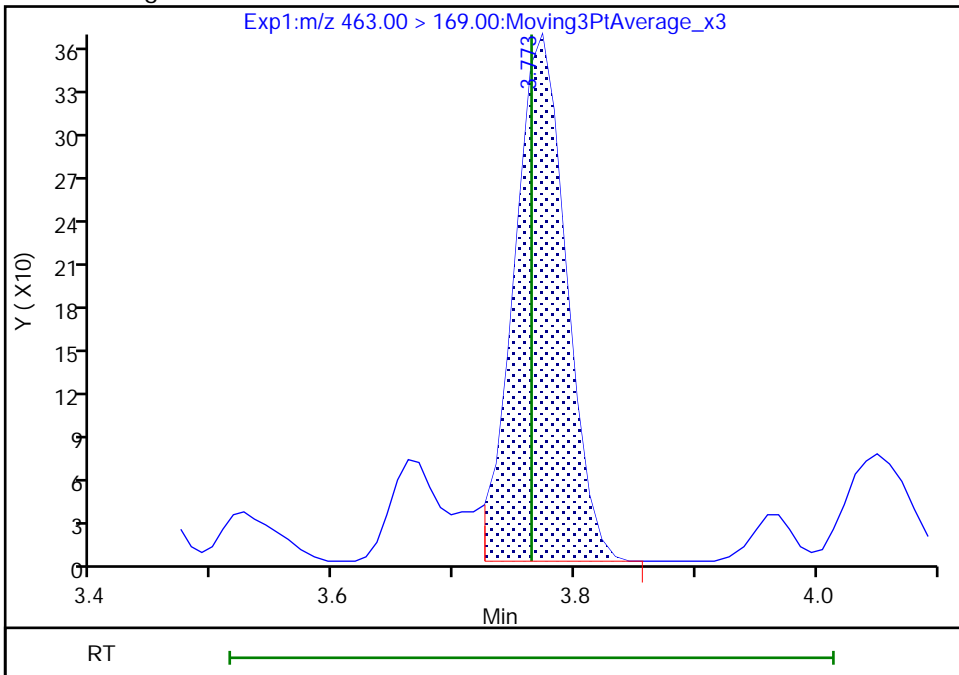
Not Detected
Expected RT: 3.76

Processing Integration Results



Manual Integration Results

RT: 3.77
Area: 1077
Amount: 0.003801
Amount Units: ng/ml



Eurofins Burlington

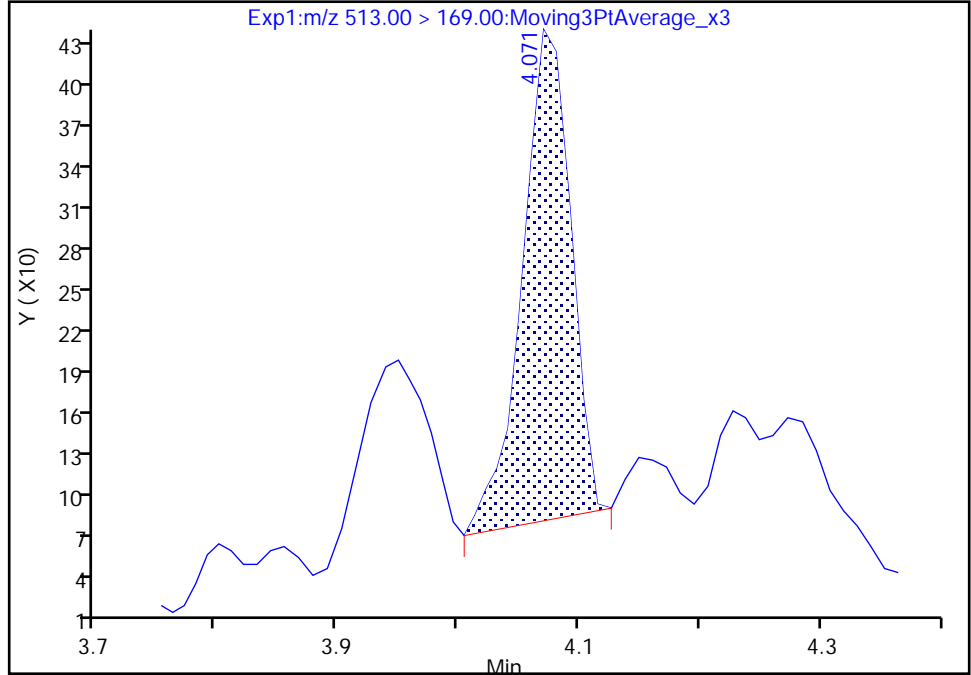
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d
Injection Date: 02-Sep-2022 17:31:14 Instrument ID: LC812
Lims ID: MB 200-183198/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

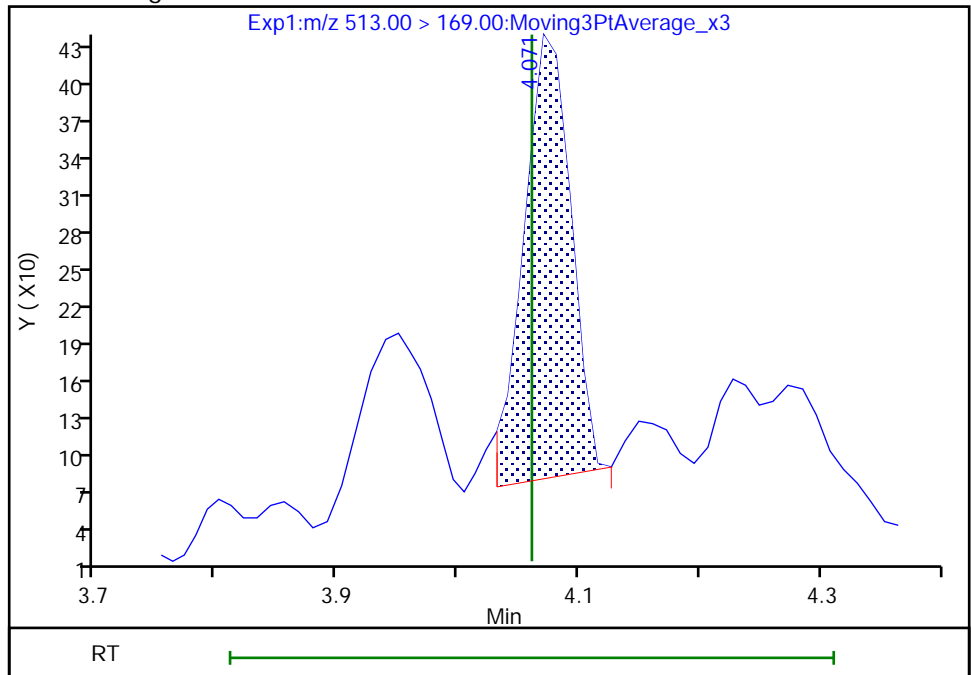
RT: 4.07
Area: 995
Amount: 0.003988
Amount Units: ng/ml

Processing Integration Results



RT: 4.07
Area: 959
Amount: 0.004627
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:29:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

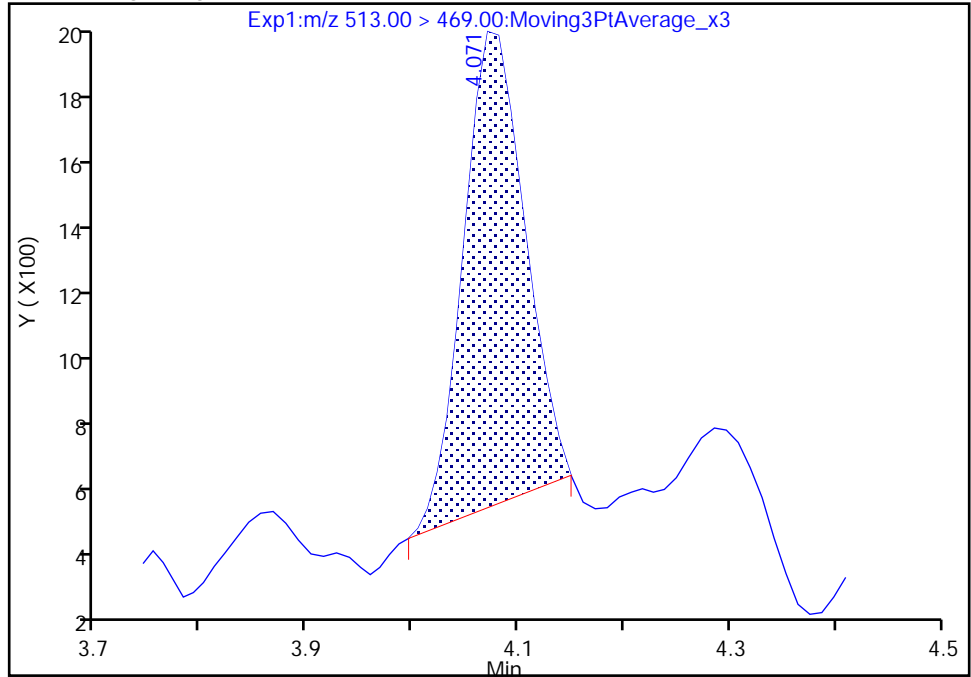
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d
Injection Date: 02-Sep-2022 17:31:14 Instrument ID: LC812
Lims ID: MB 200-183198/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

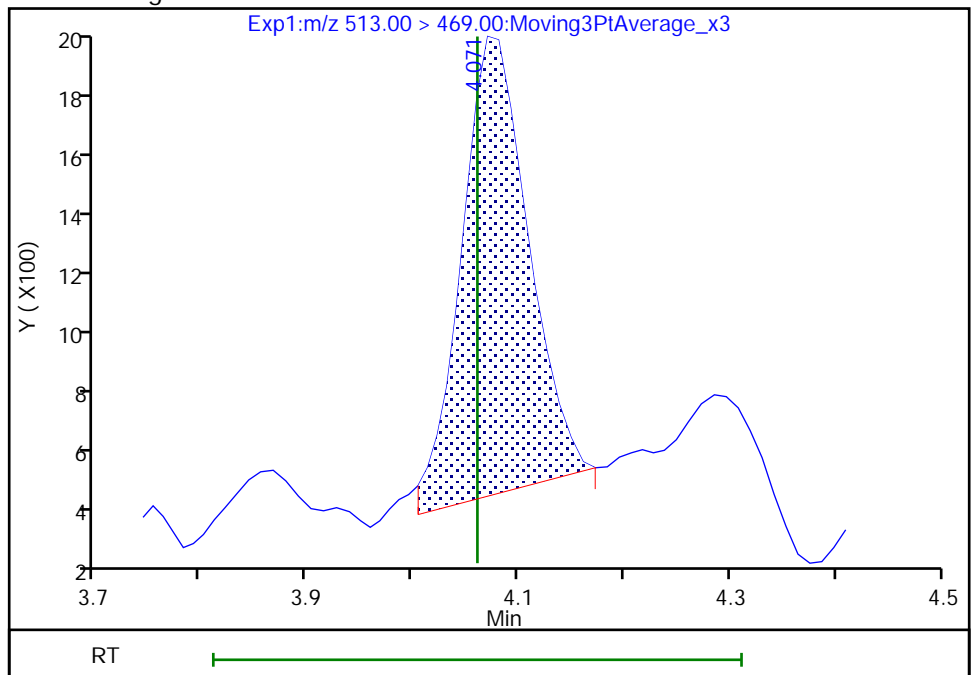
RT: 4.07
Area: 5558
Amount: 0.003988
Amount Units: ng/ml

Processing Integration Results



RT: 4.07
Area: 6448
Amount: 0.004627
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:29:53

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

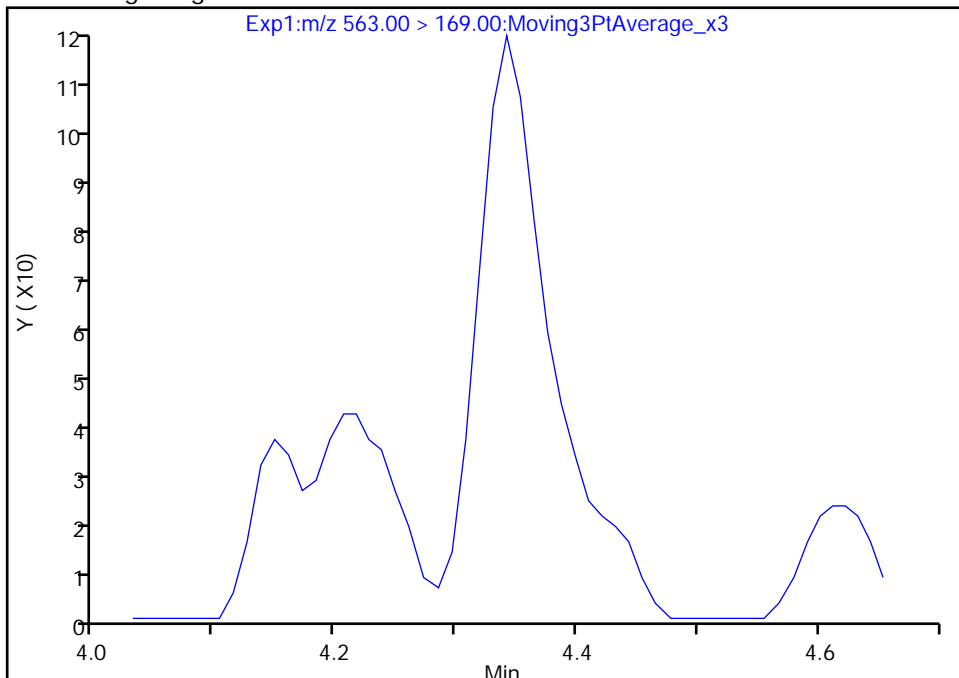
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d
Injection Date: 02-Sep-2022 17:31:14 Instrument ID: LC812
Lims ID: MB 200-183198/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

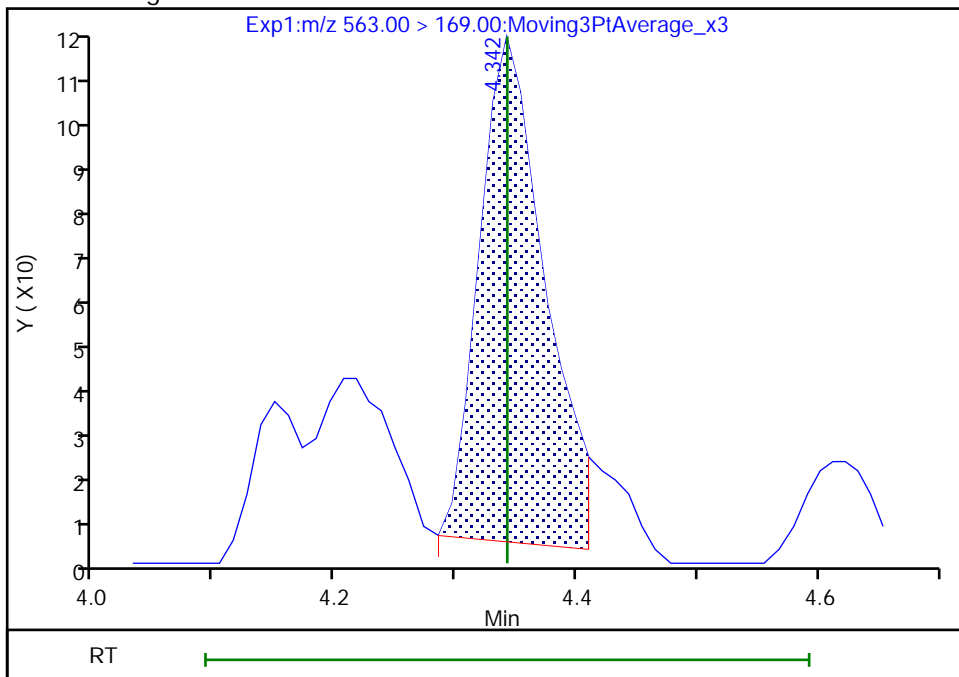
Not Detected
Expected RT: 4.34

Processing Integration Results



RT: 4.34
Area: 410
Amount: 0.006058
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:31:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

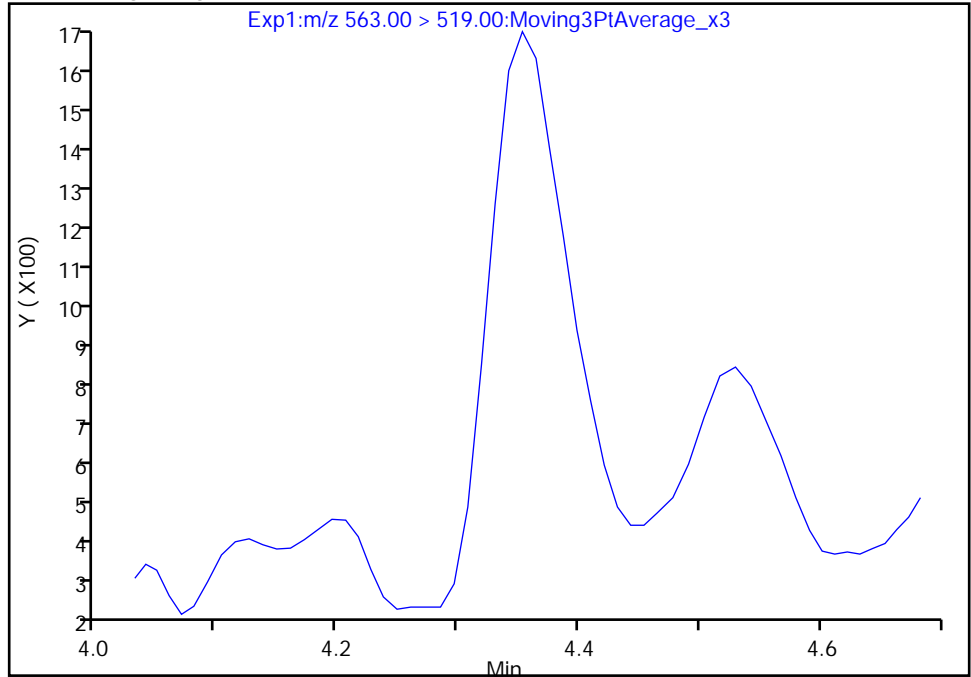
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d
Injection Date: 02-Sep-2022 17:31:14 Instrument ID: LC812
Lims ID: MB 200-183198/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

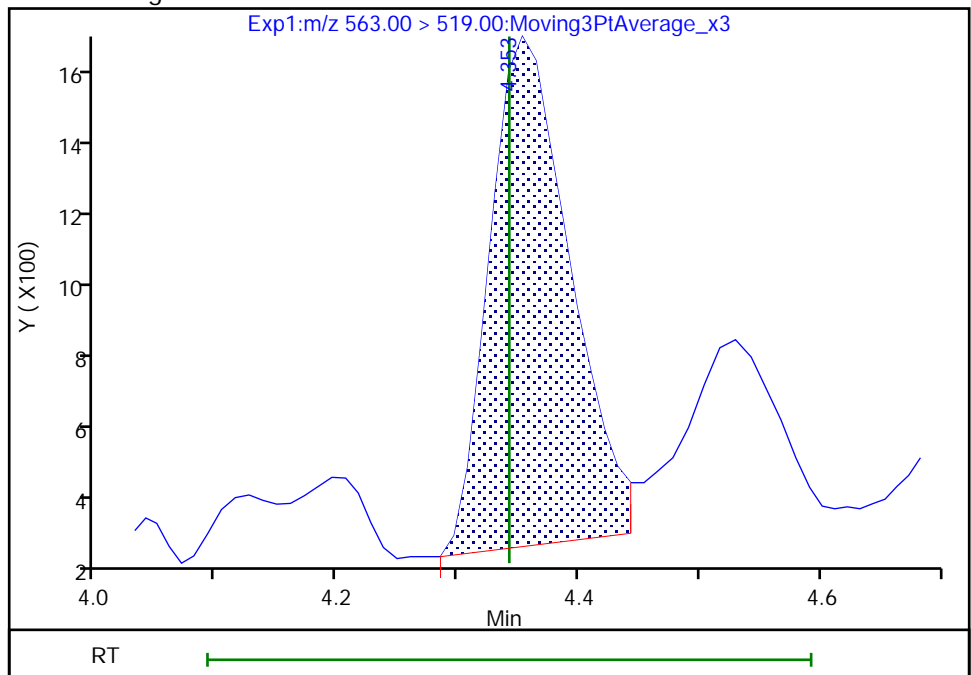
Not Detected
Expected RT: 4.34

Processing Integration Results



Manual Integration Results

RT: 4.35
Area: 6135
Amount: 0.006058
Amount Units: ng/ml



Eurofins Burlington

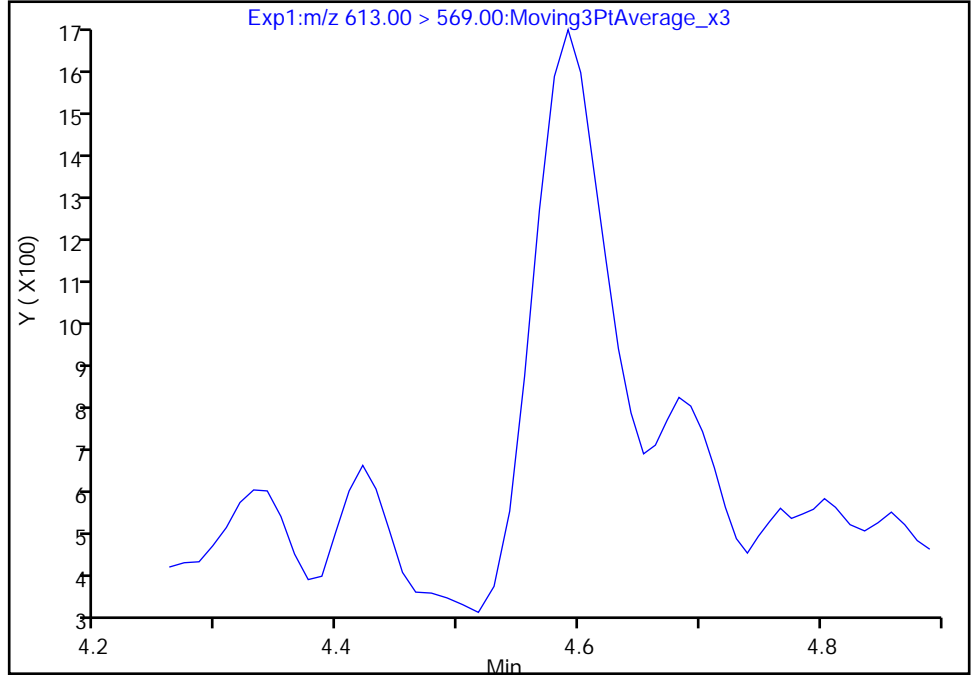
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d
Injection Date: 02-Sep-2022 17:31:14 Instrument ID: LC812
Lims ID: MB 200-183198/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

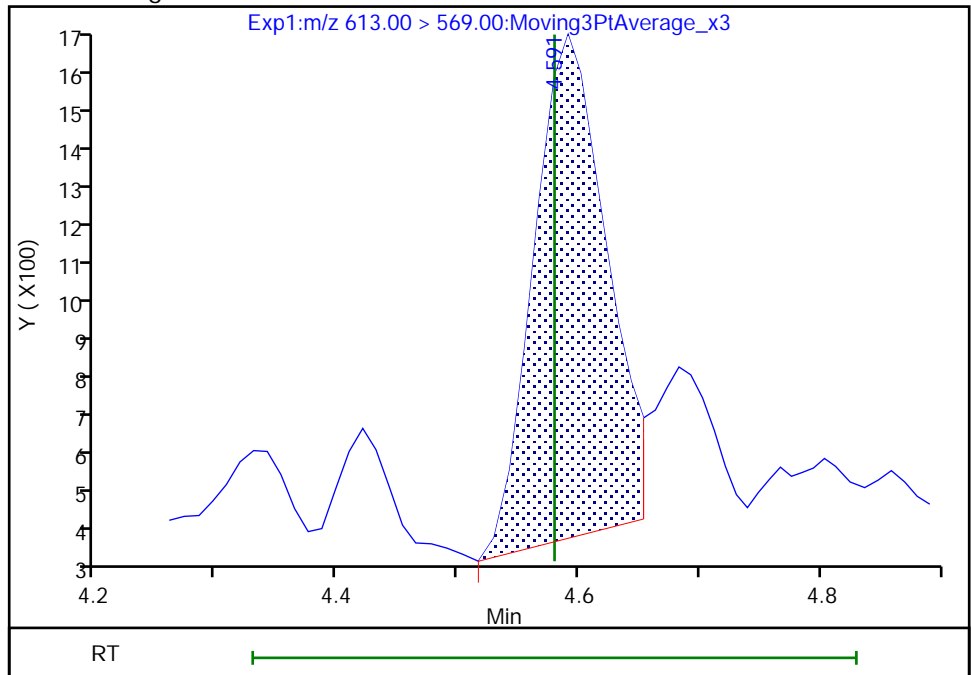
Not Detected
Expected RT: 4.58

Processing Integration Results



Manual Integration Results

RT: 4.59
Area: 4804
Amount: 0.005032
Amount Units: ng/ml



Reviewer: nampitakw, 05-Sep-2022 09:32:23
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

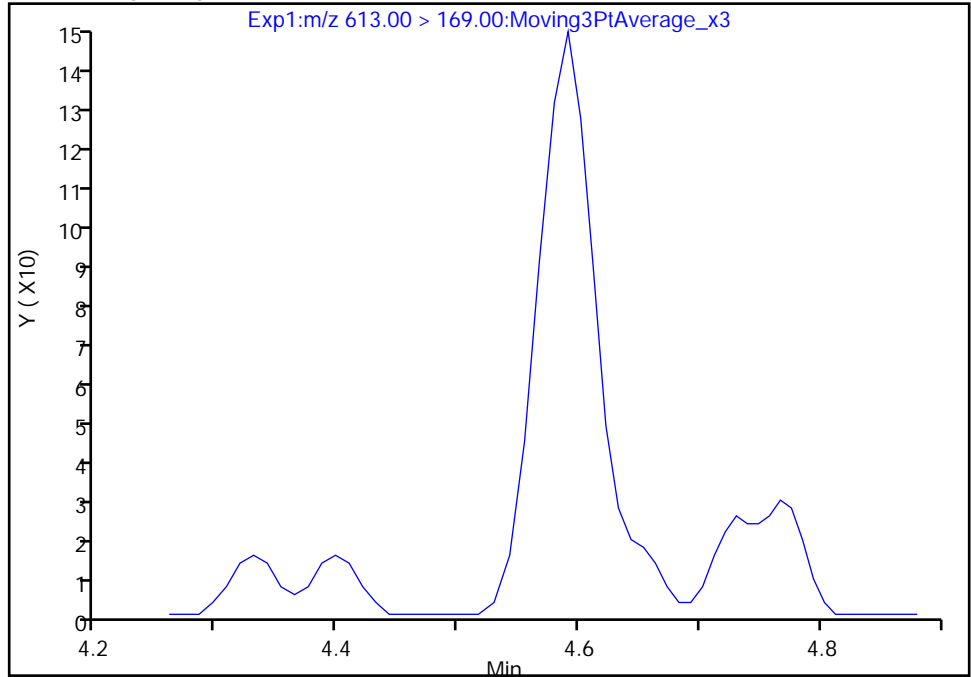
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d
Injection Date: 02-Sep-2022 17:31:14 Instrument ID: LC812
Lims ID: MB 200-183198/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

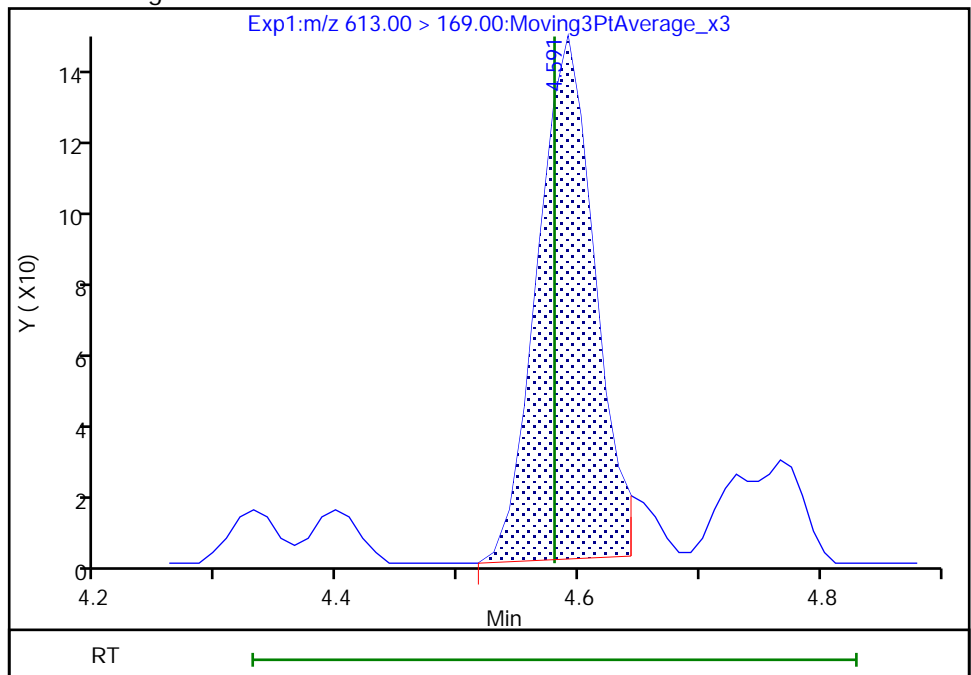
Not Detected
Expected RT: 4.58

Processing Integration Results



Manual Integration Results

RT: 4.59
Area: 481
Amount: 0.005032
Amount Units: ng/ml



Eurofins Burlington

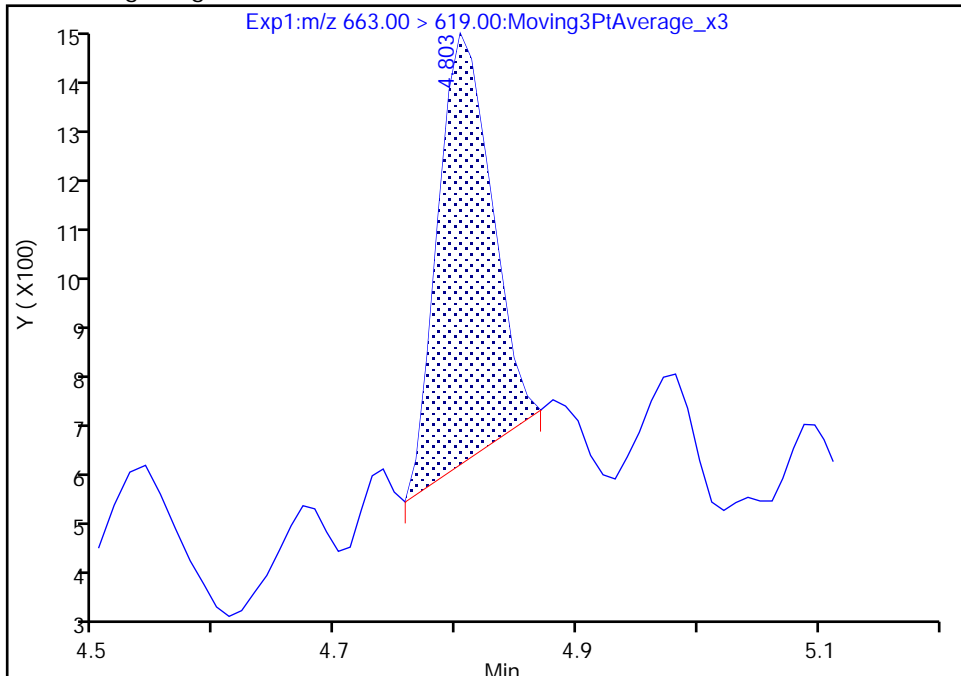
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d
Injection Date: 02-Sep-2022 17:31:14 Instrument ID: LC812
Lims ID: MB 200-183198/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

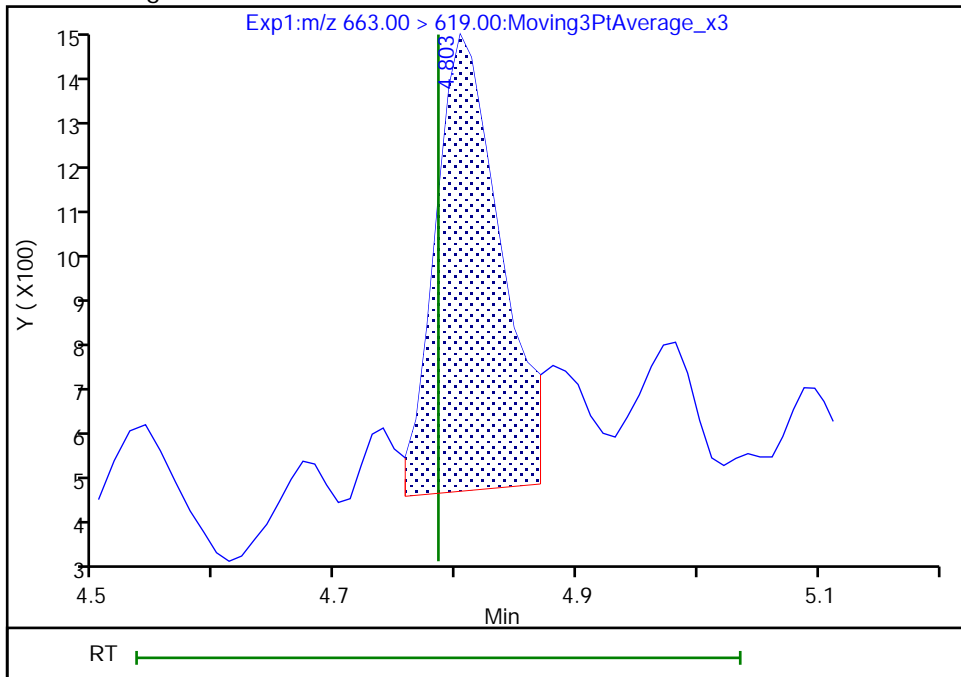
RT: 4.80
Area: 2528
Amount: 0.003055
Amount Units: ng/ml

Processing Integration Results



RT: 4.80
Area: 3571
Amount: 0.004315
Amount Units: ng/ml

Manual Integration Results



Reviewer: SJ4N, 06-Sep-2022 12:07:55
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

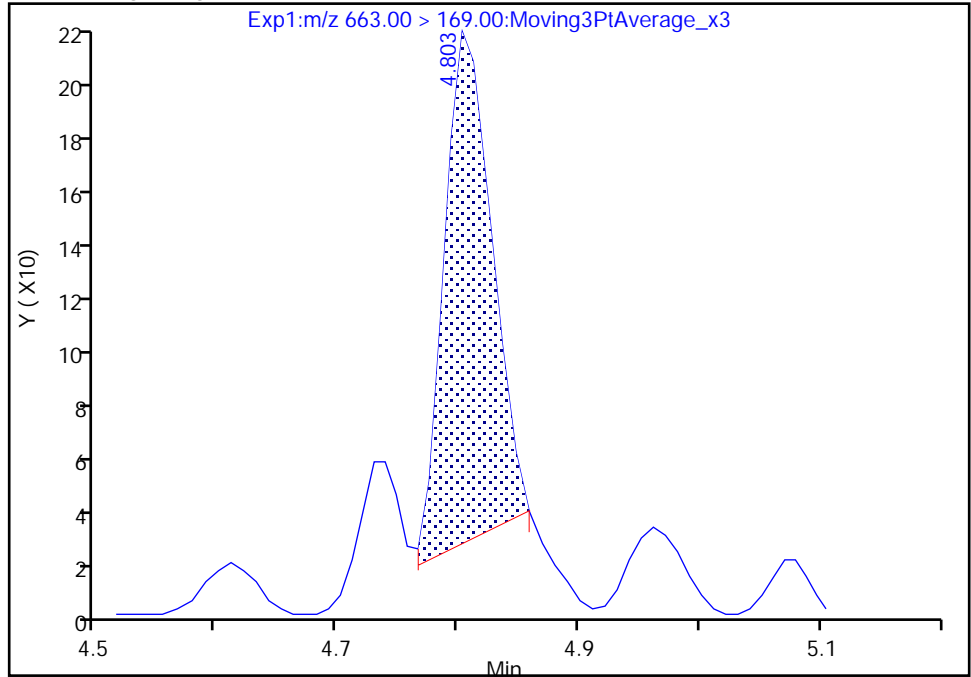
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d
Injection Date: 02-Sep-2022 17:31:14 Instrument ID: LC812
Lims ID: MB 200-183198/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

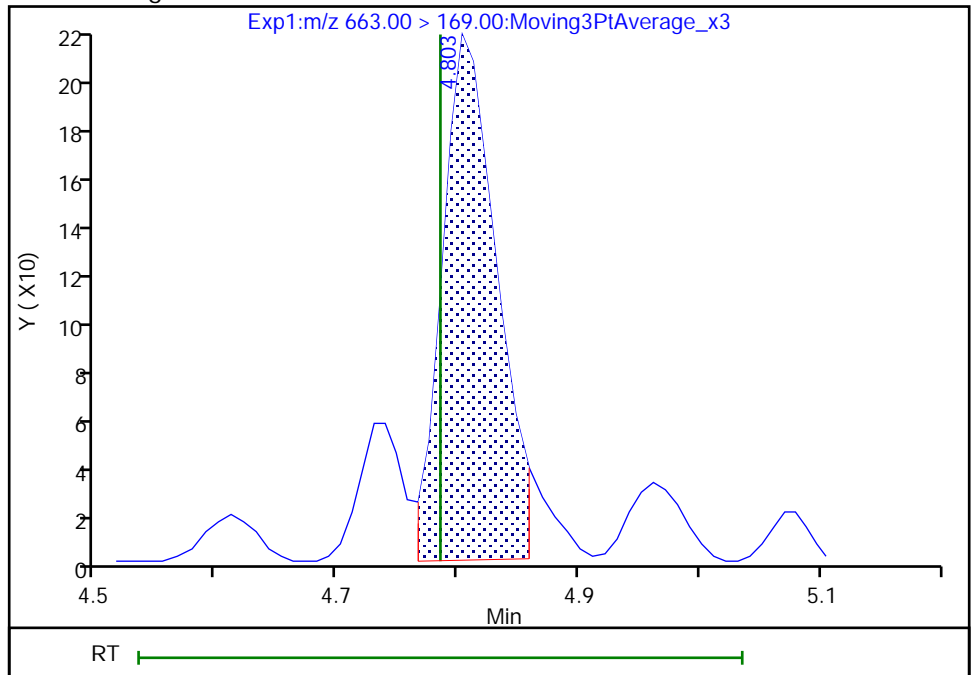
RT: 4.80
Area: 511
Amount: 0.003055
Amount Units: ng/ml

Processing Integration Results



RT: 4.80
Area: 663
Amount: 0.004315
Amount Units: ng/ml

Manual Integration Results



Reviewer: SJ4N, 06-Sep-2022 12:08:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

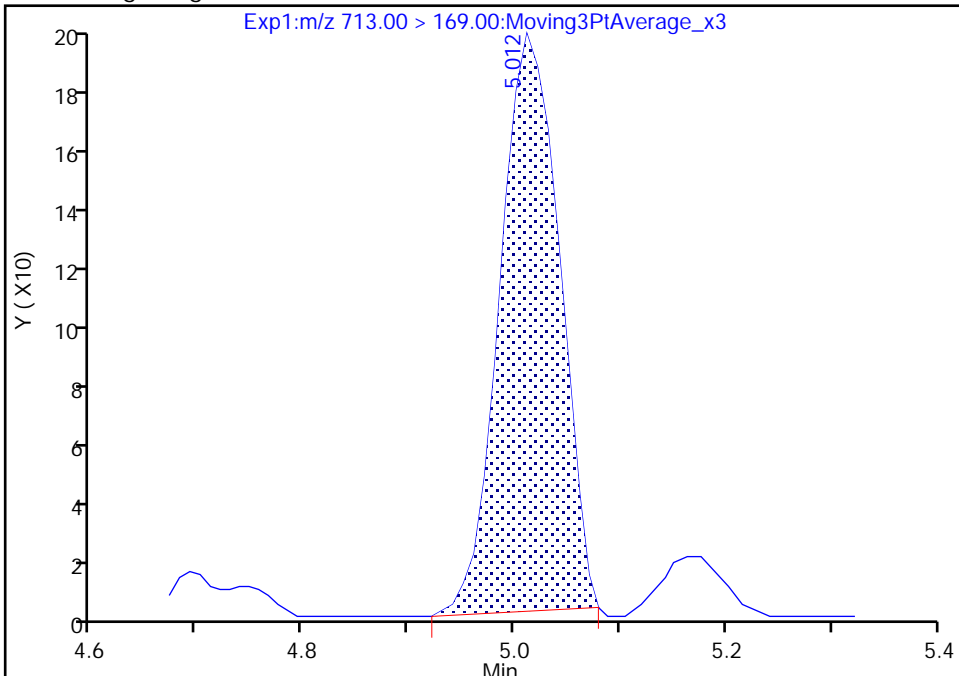
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d
Injection Date: 02-Sep-2022 17:31:14 Instrument ID: LC812
Lims ID: MB 200-183198/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

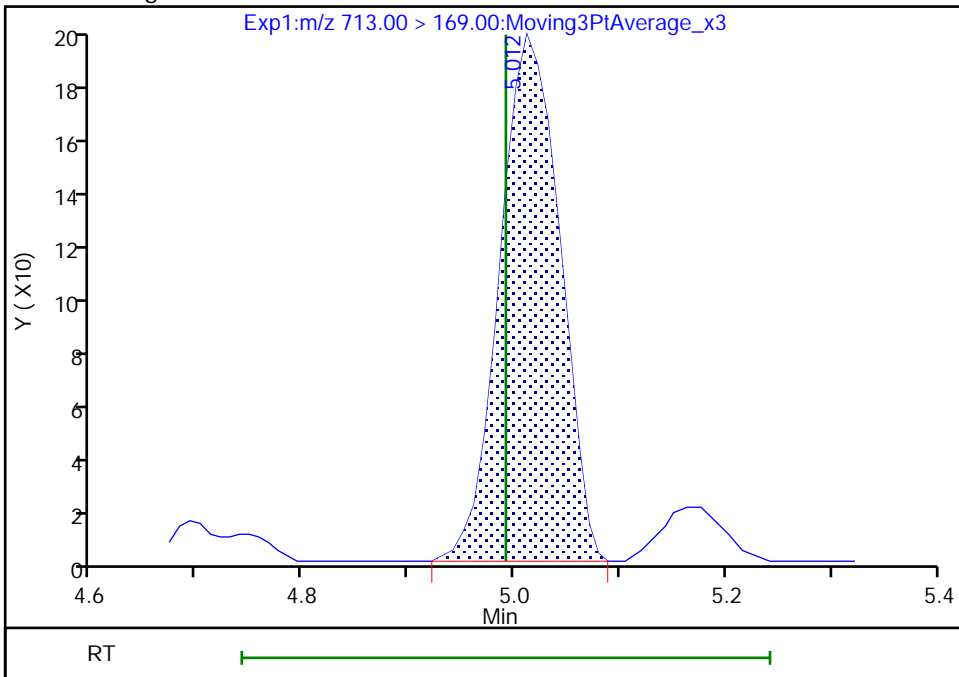
RT: 5.01
Area: 758
Amount: 0.006385
Amount Units: ng/ml

Processing Integration Results



RT: 5.01
Area: 773
Amount: 0.006511
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:33:27
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

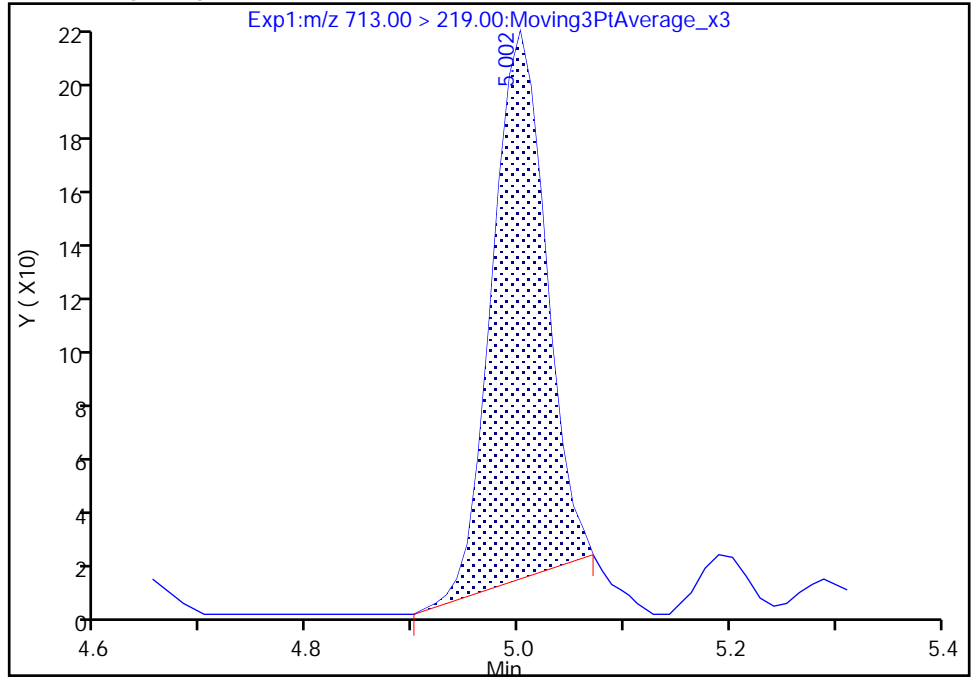
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d
Injection Date: 02-Sep-2022 17:31:14 Instrument ID: LC812
Lims ID: MB 200-183198/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

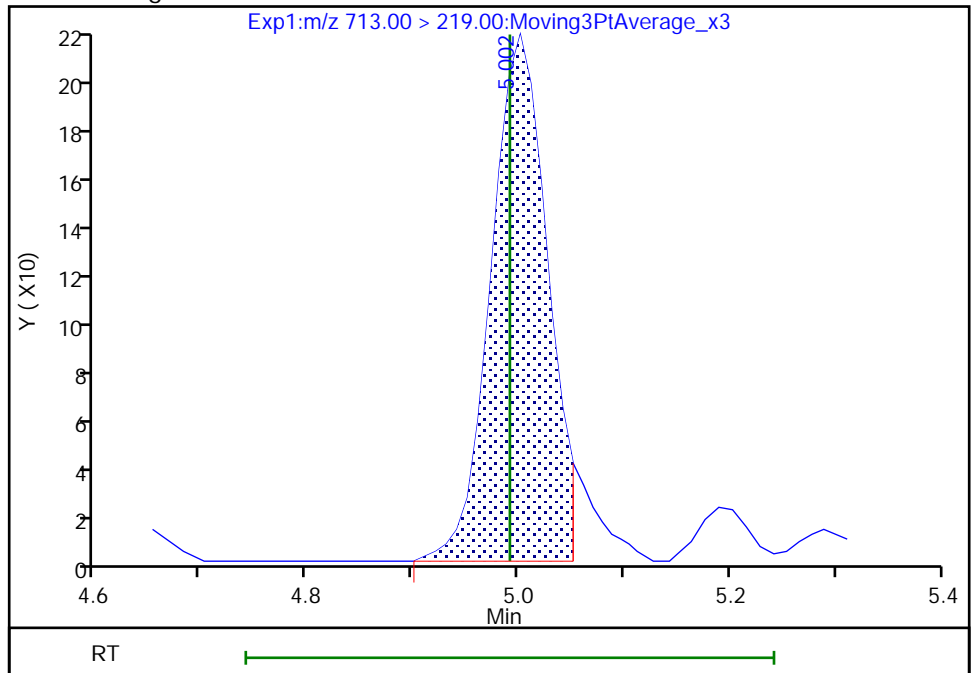
RT: 5.00
Area: 716
Amount: 0.006385
Amount Units: ng/ml

Processing Integration Results



RT: 5.00
Area: 793
Amount: 0.006511
Amount Units: ng/ml

Manual Integration Results



Reviewer: SJ4N, 06-Sep-2022 12:08:06

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

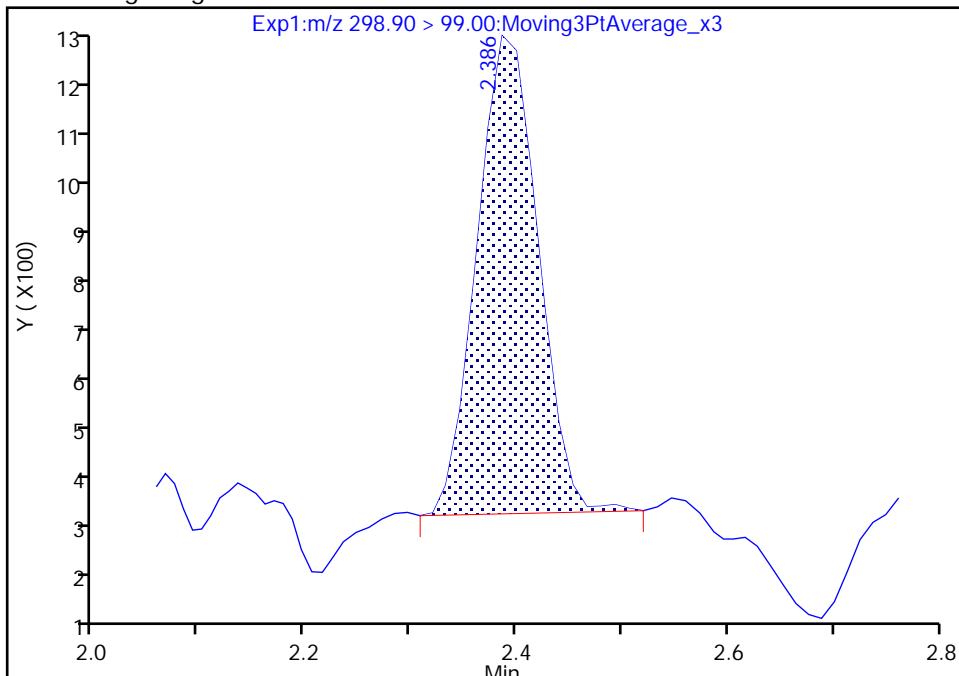
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d
Injection Date: 02-Sep-2022 17:31:14 Instrument ID: LC812
Lims ID: MB 200-183198/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

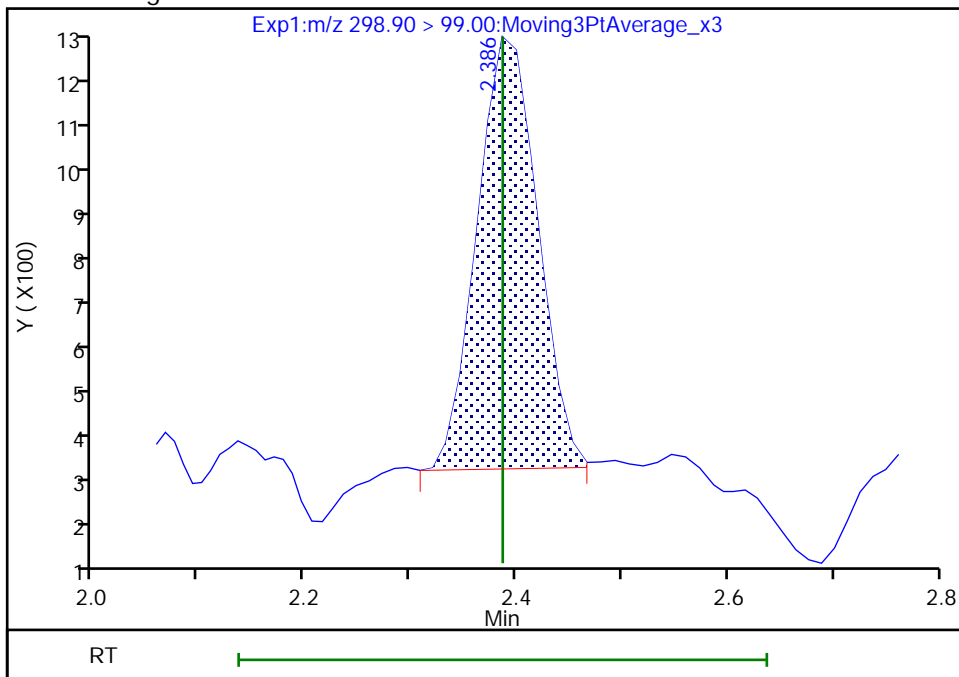
RT: 2.39
Area: 3453
Amount: 0.004315
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 3431
Amount: 0.004980
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:21:32
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

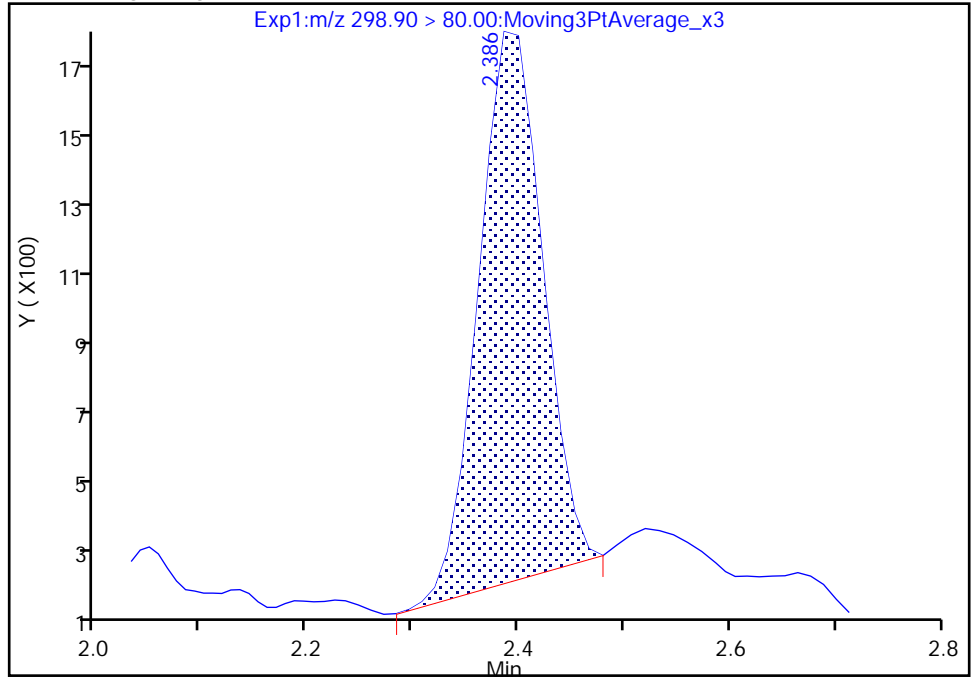
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d
Injection Date: 02-Sep-2022 17:31:14 Instrument ID: LC812
Lims ID: MB 200-183198/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

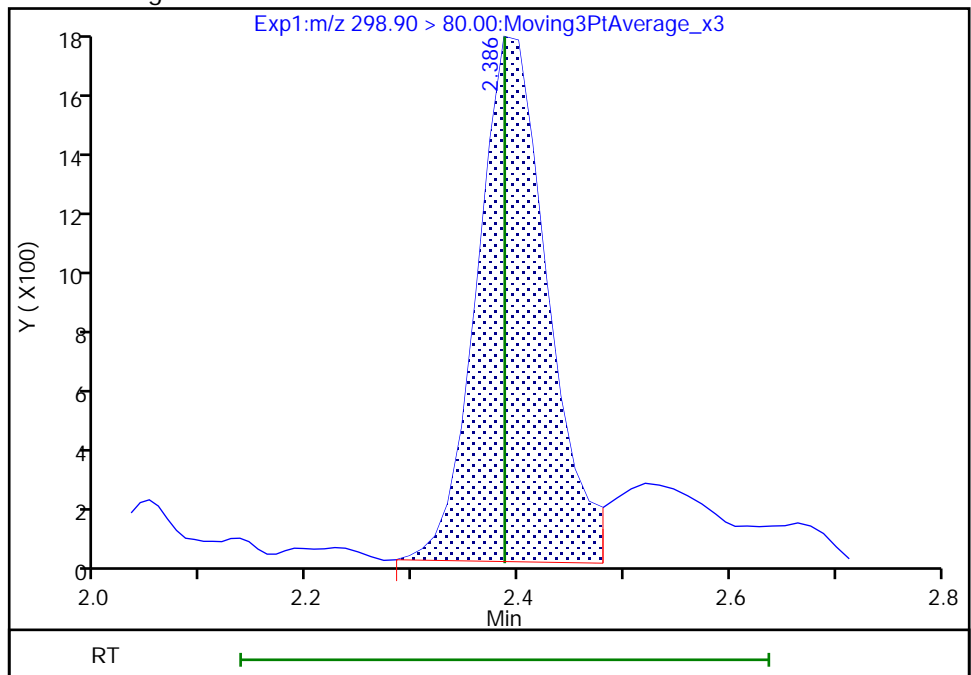
RT: 2.39
Area: 6695
Amount: 0.004315
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 7726
Amount: 0.004980
Amount Units: ng/ml

Manual Integration Results



Reviewer: SJ4N, 06-Sep-2022 12:06:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

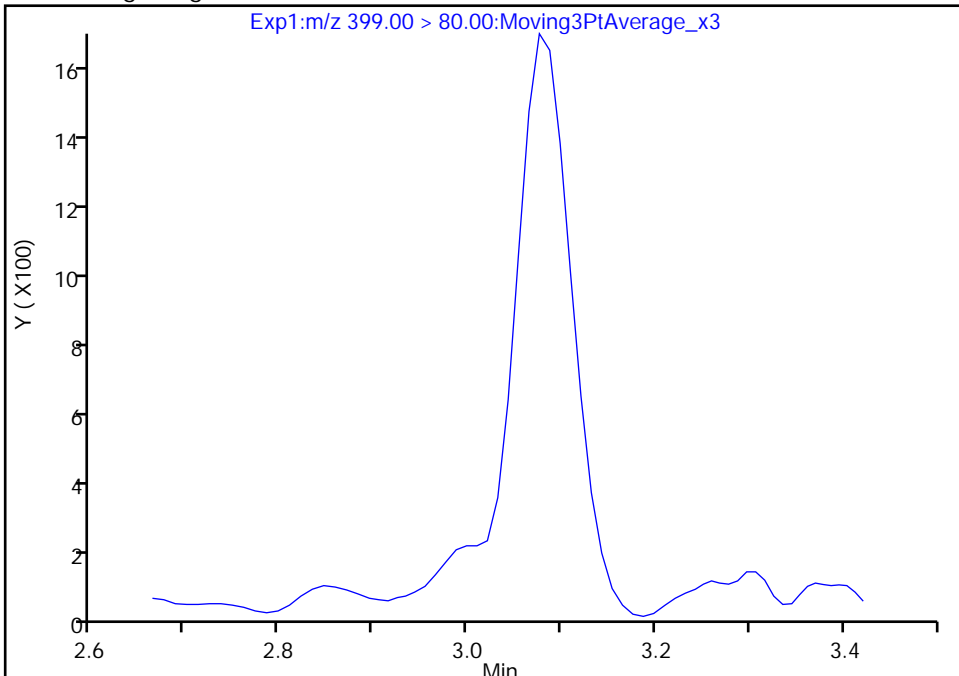
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d
Injection Date: 02-Sep-2022 17:31:14 Instrument ID: LC812
Lims ID: MB 200-183198/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

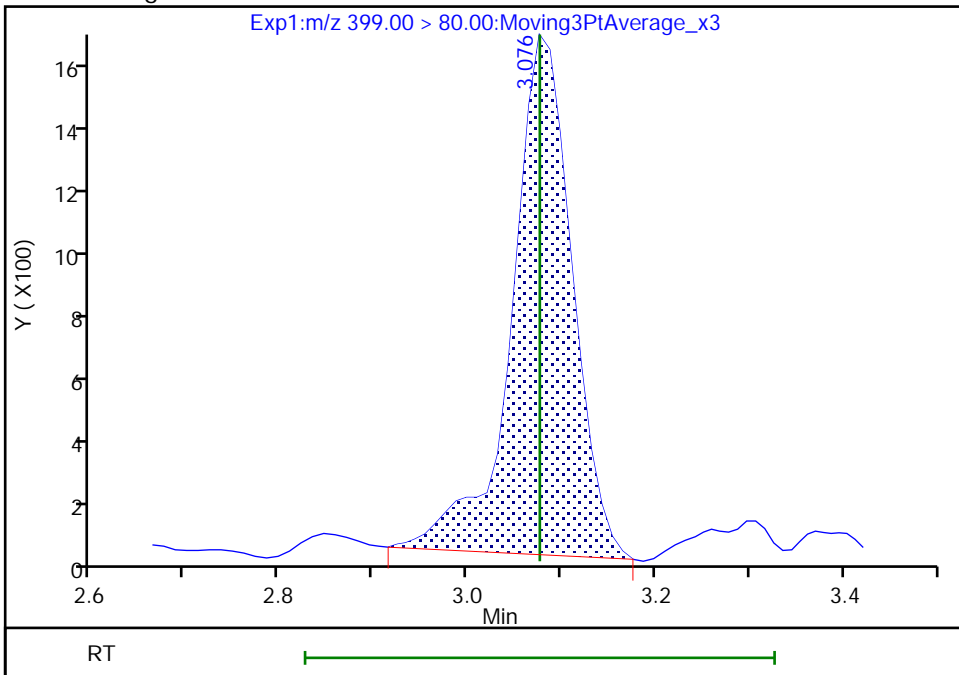
Not Detected
Expected RT: 3.08

Processing Integration Results



Manual Integration Results

RT: 3.08
Area: 7118
Amount: 0.006565
Amount Units: ng/ml



Eurofins Burlington

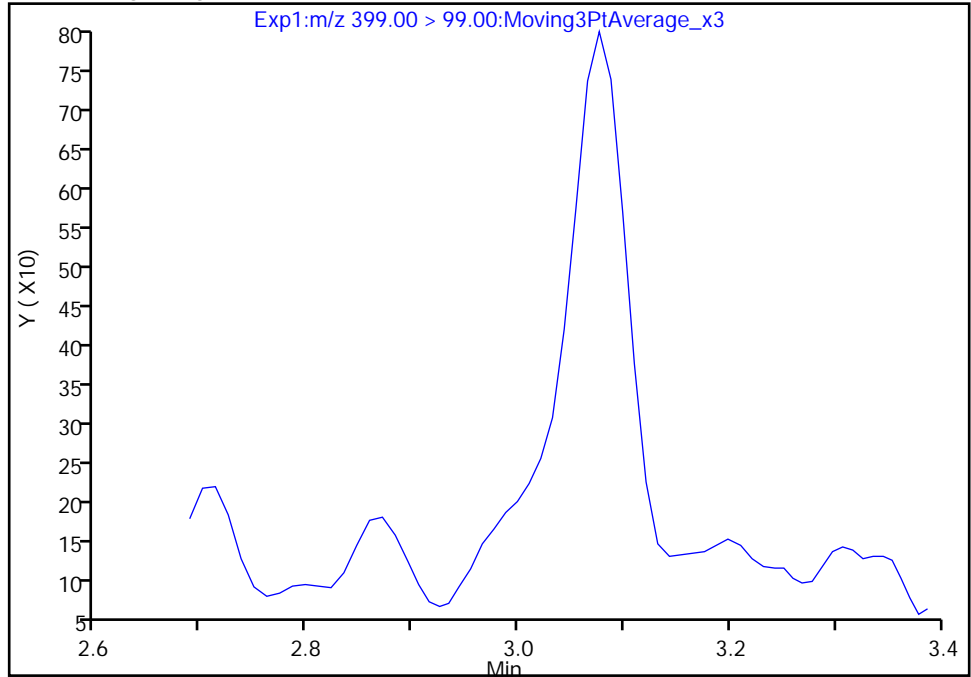
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d
Injection Date: 02-Sep-2022 17:31:14 Instrument ID: LC812
Lims ID: MB 200-183198/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

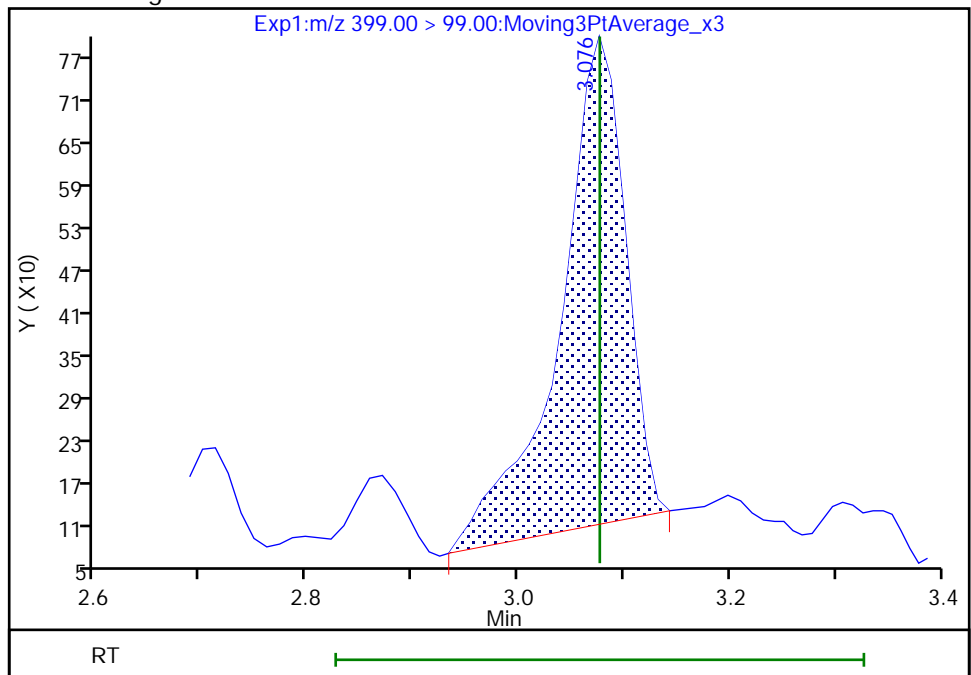
Not Detected
Expected RT: 3.08

Processing Integration Results



Manual Integration Results

RT: 3.08
Area: 2972
Amount: 0.006565
Amount Units: ng/ml



Reviewer: nampitakw, 05-Sep-2022 09:23:14

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

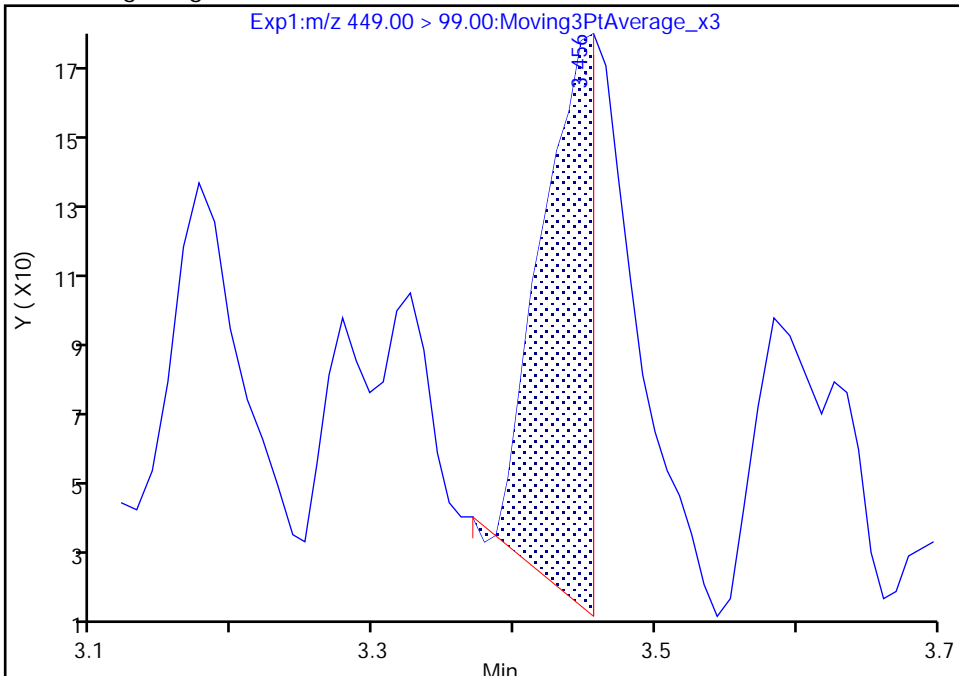
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d
Injection Date: 02-Sep-2022 17:31:14 Instrument ID: LC812
Lims ID: MB 200-183198/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

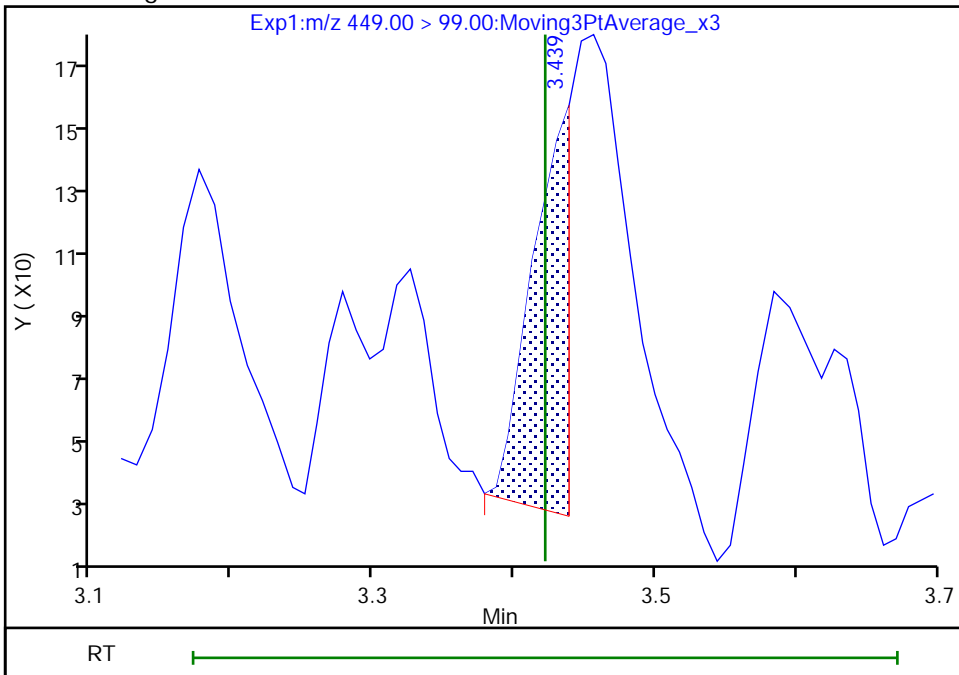
RT: 3.46
Area: 387
Amount: 0.003794
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 220
Amount: 0.003794
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:24:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

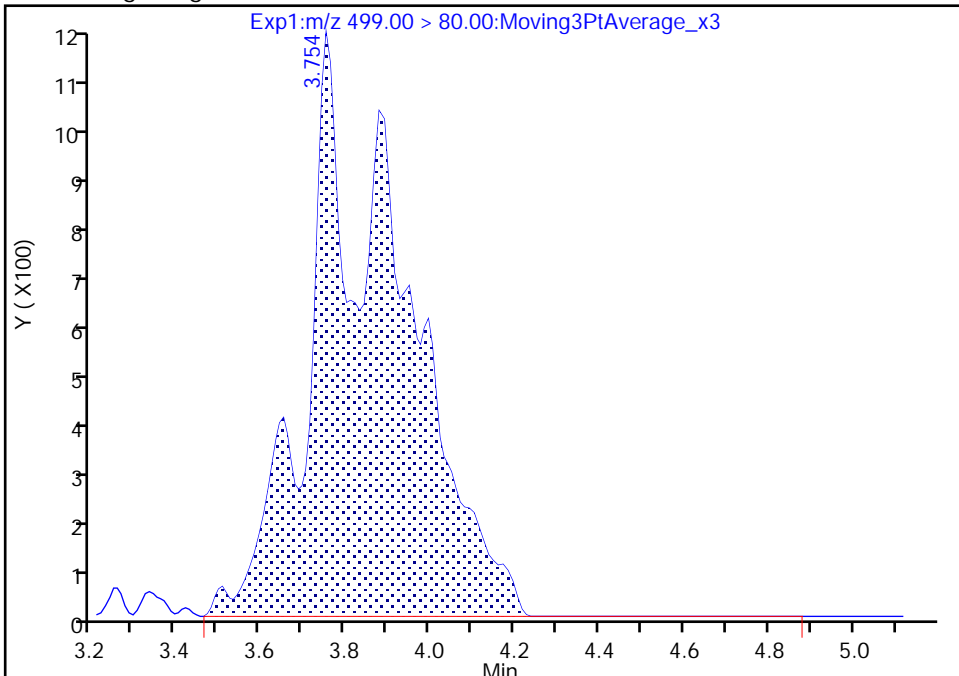
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d
Injection Date: 02-Sep-2022 17:31:14 Instrument ID: LC812
Lims ID: MB 200-183198/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

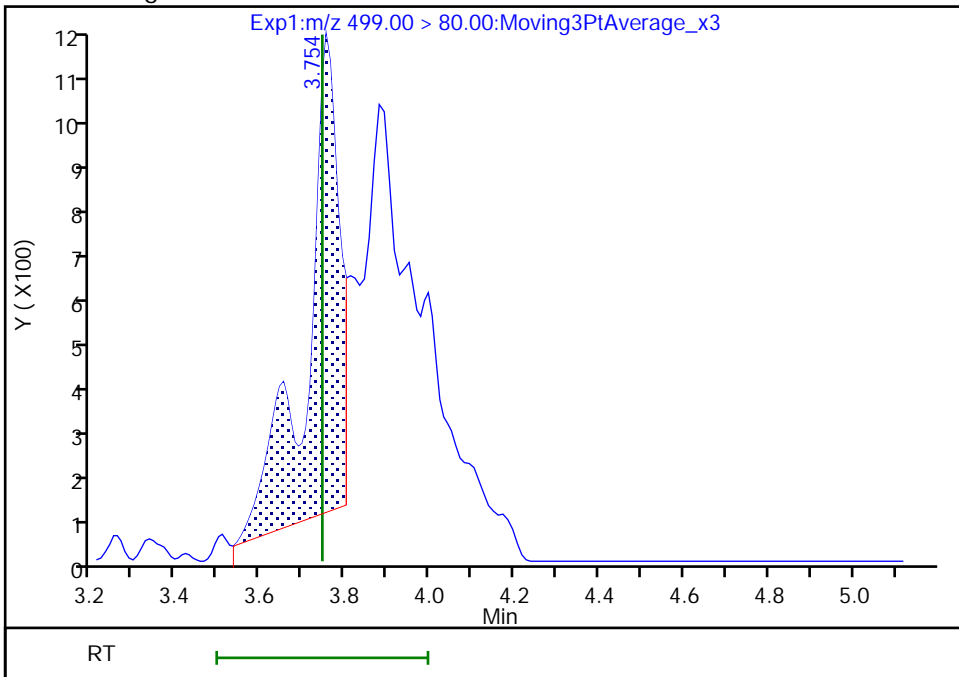
RT: 3.75
Area: 17791
Amount: 0.006719
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 5524
Amount: -0.010651
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:25:57
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

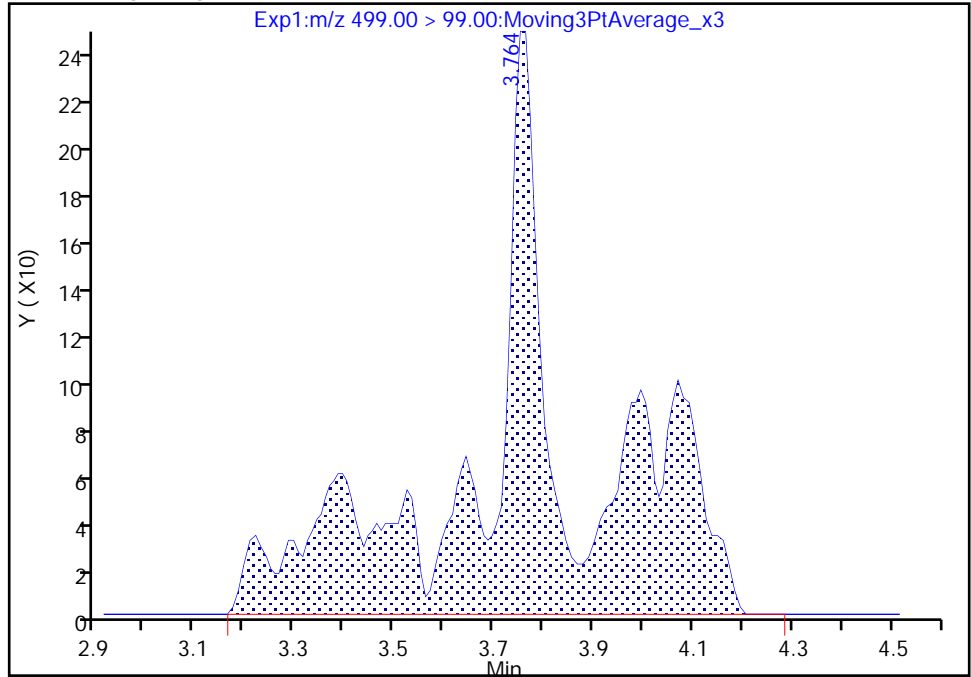
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d
Injection Date: 02-Sep-2022 17:31:14 Instrument ID: LC812
Lims ID: MB 200-183198/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

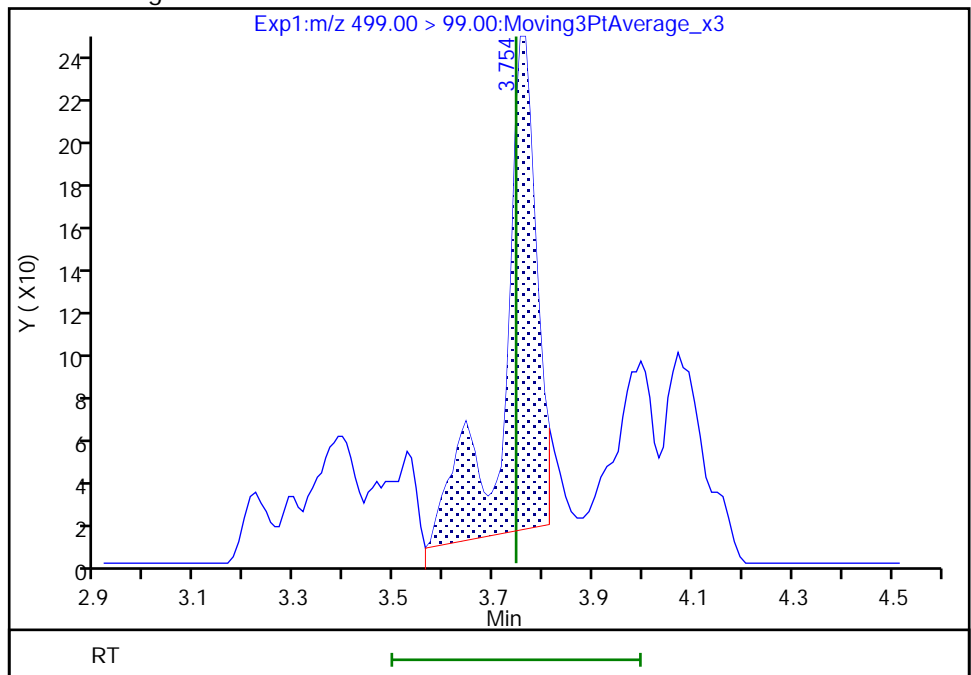
RT: 3.76
Area: 3233
Amount: 0.006719
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 1046
Amount: -0.010651
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Sep-2022 09:28:14

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

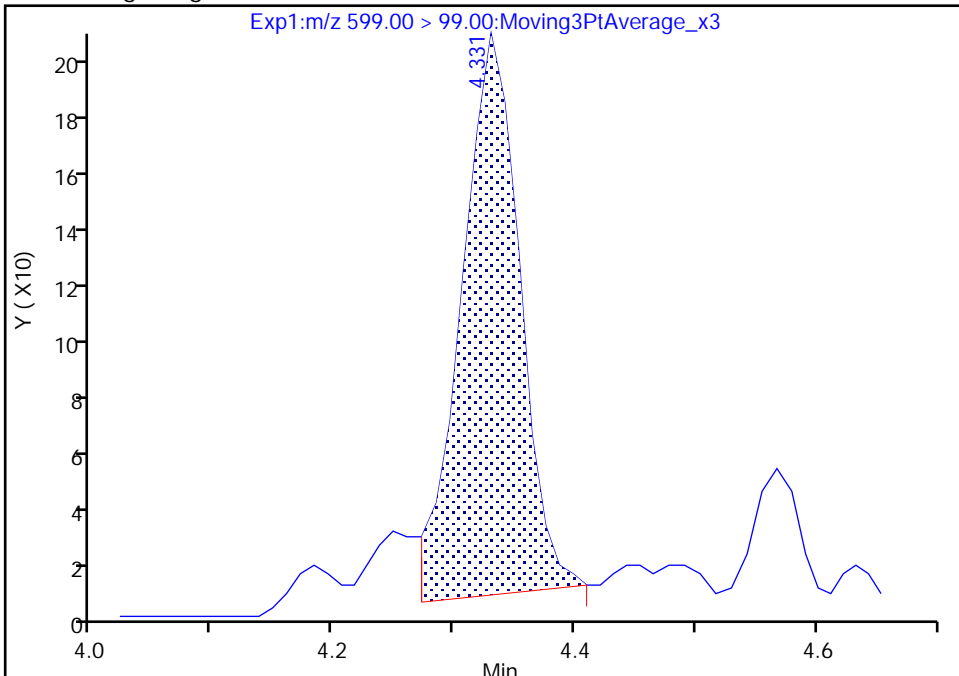
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d
Injection Date: 02-Sep-2022 17:31:14 Instrument ID: LC812
Lims ID: MB 200-183198/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

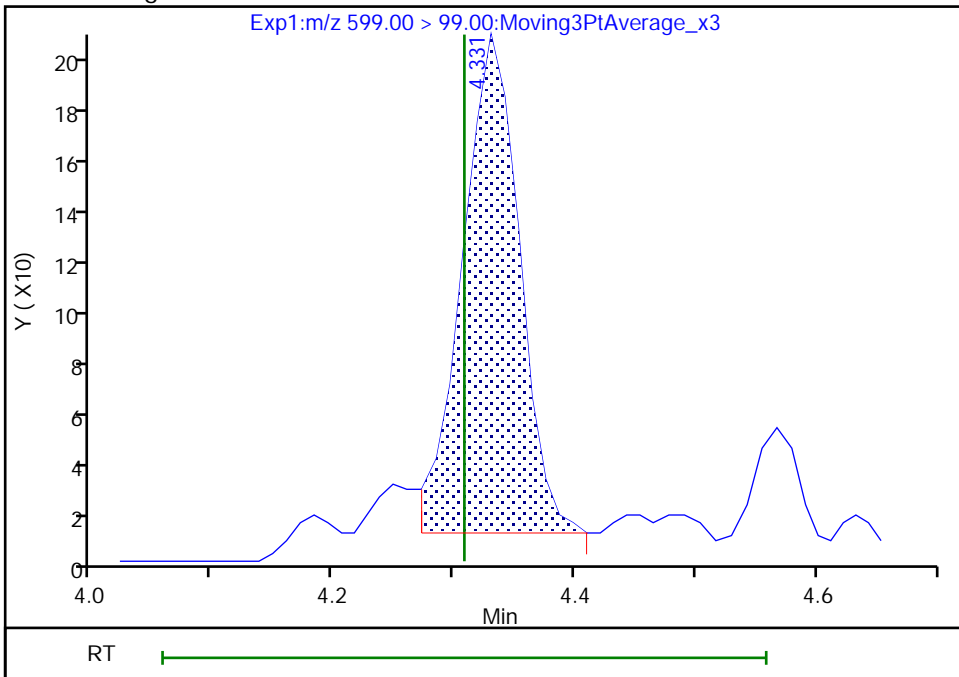
RT: 4.33
Area: 660
Amount: 0.002933
Amount Units: ng/ml

Processing Integration Results



RT: 4.33
Area: 635
Amount: 0.003462
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:31:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

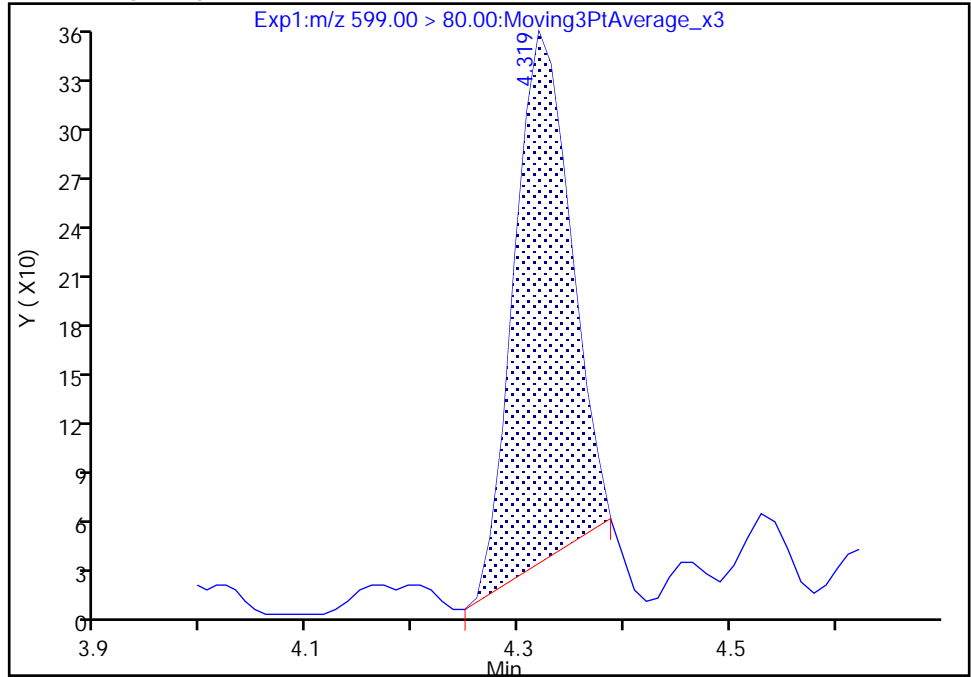
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d
Injection Date: 02-Sep-2022 17:31:14 Instrument ID: LC812
Lims ID: MB 200-183198/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

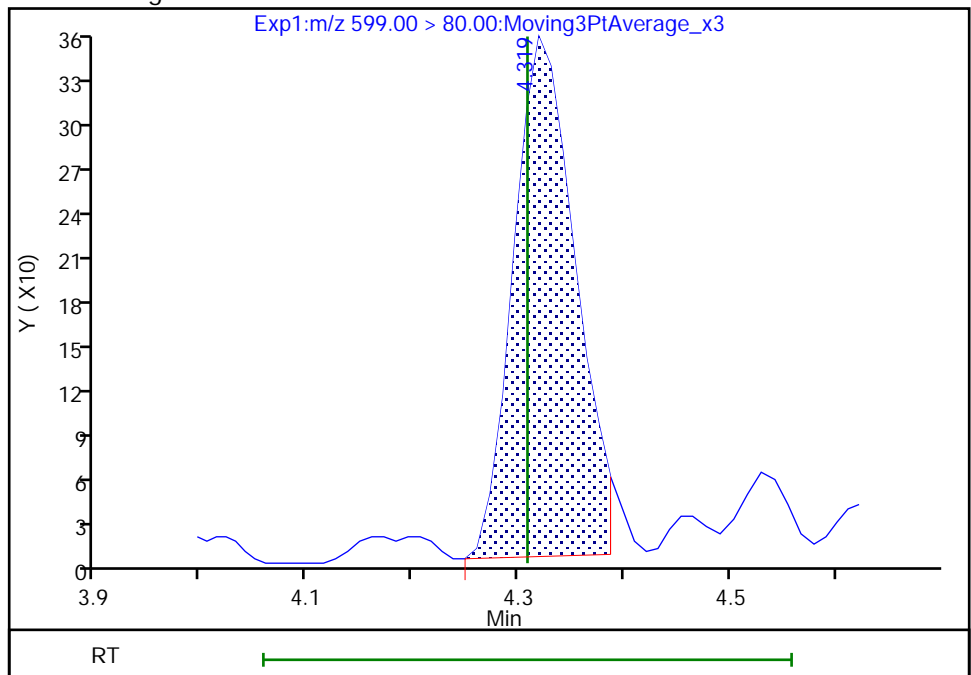
RT: 4.32
Area: 1213
Amount: 0.002933
Amount Units: ng/ml

Processing Integration Results



RT: 4.32
Area: 1432
Amount: 0.003462
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:31:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

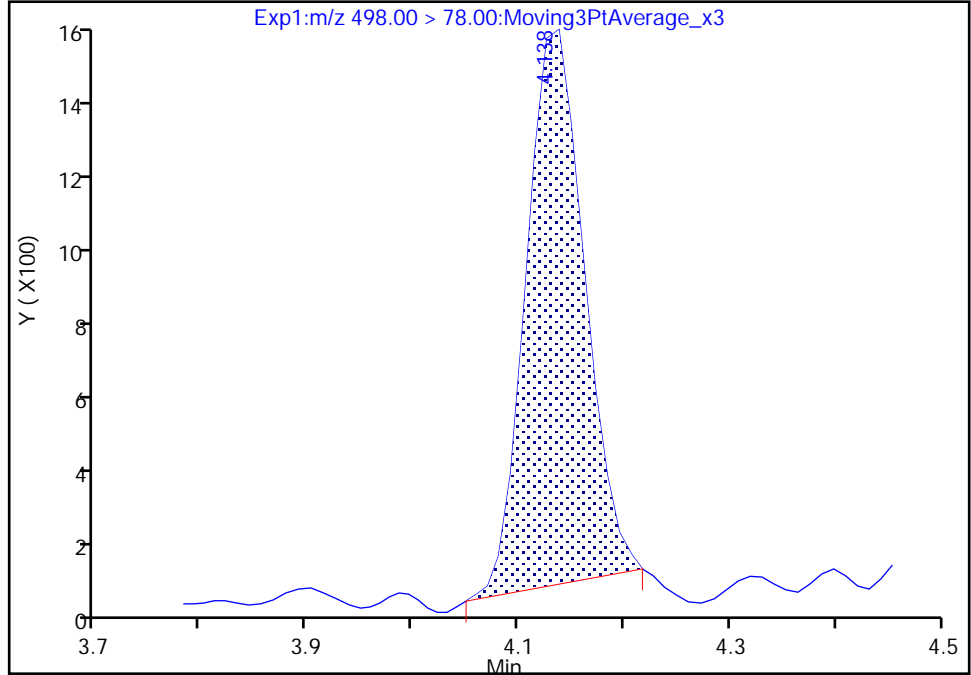
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d
Injection Date: 02-Sep-2022 17:31:14 Instrument ID: LC812
Lims ID: MB 200-183198/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

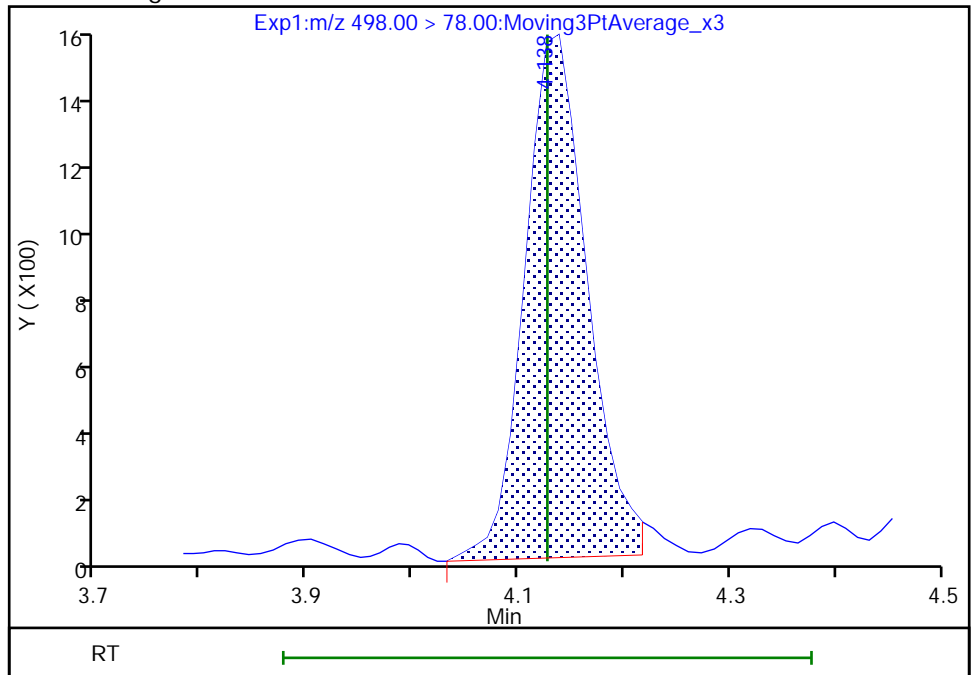
RT: 4.14
Area: 5492
Amount: 0.004902
Amount Units: ng/ml

Processing Integration Results



RT: 4.14
Area: 6114
Amount: 0.005458
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:30:28
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

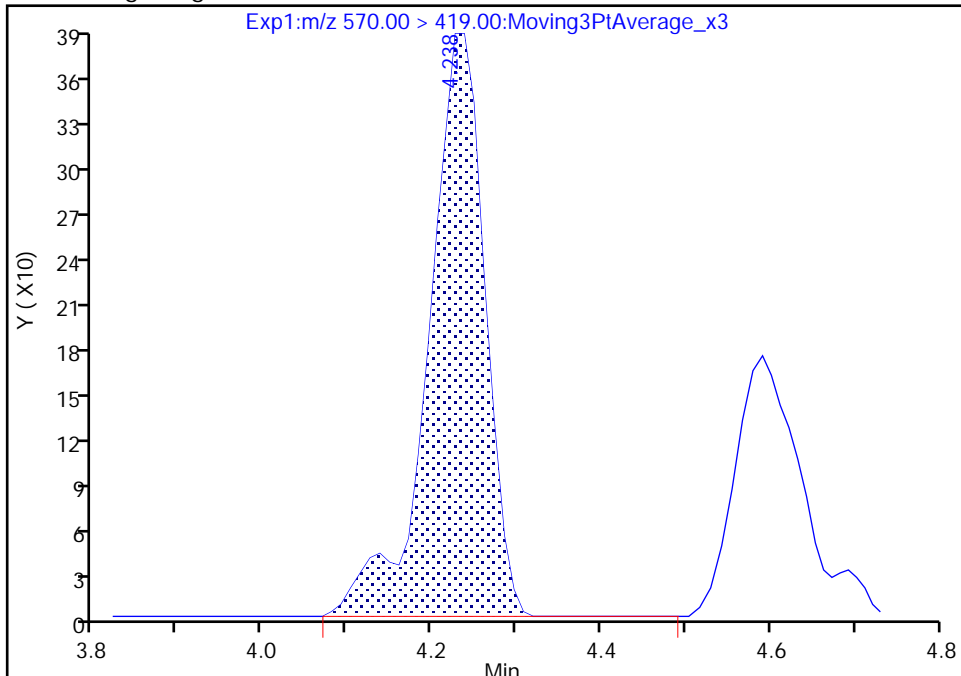
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d
Injection Date: 02-Sep-2022 17:31:14 Instrument ID: LC812
Lims ID: MB 200-183198/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

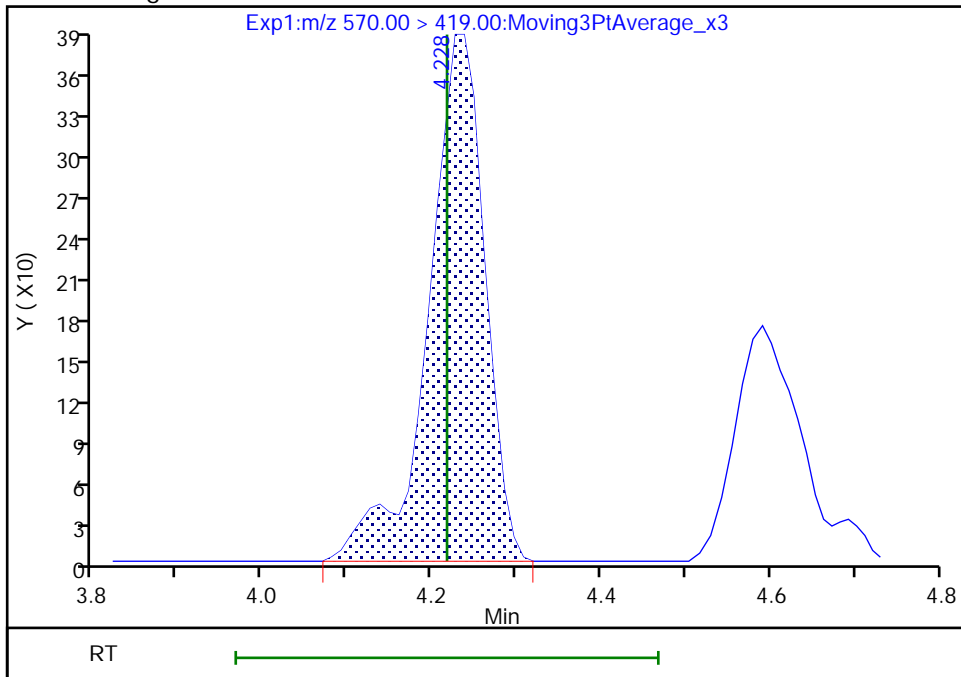
RT: 4.24
Area: 1799
Amount: 0.010009
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 1799
Amount: 0.010009
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:30:42
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

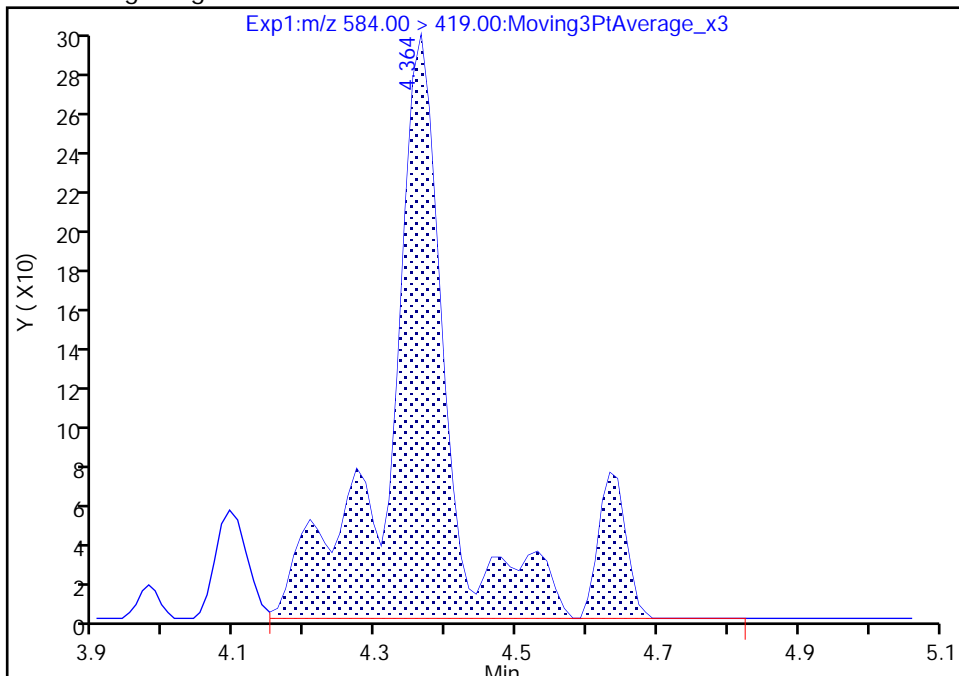
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d
Injection Date: 02-Sep-2022 17:31:14 Instrument ID: LC812
Lims ID: MB 200-183198/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

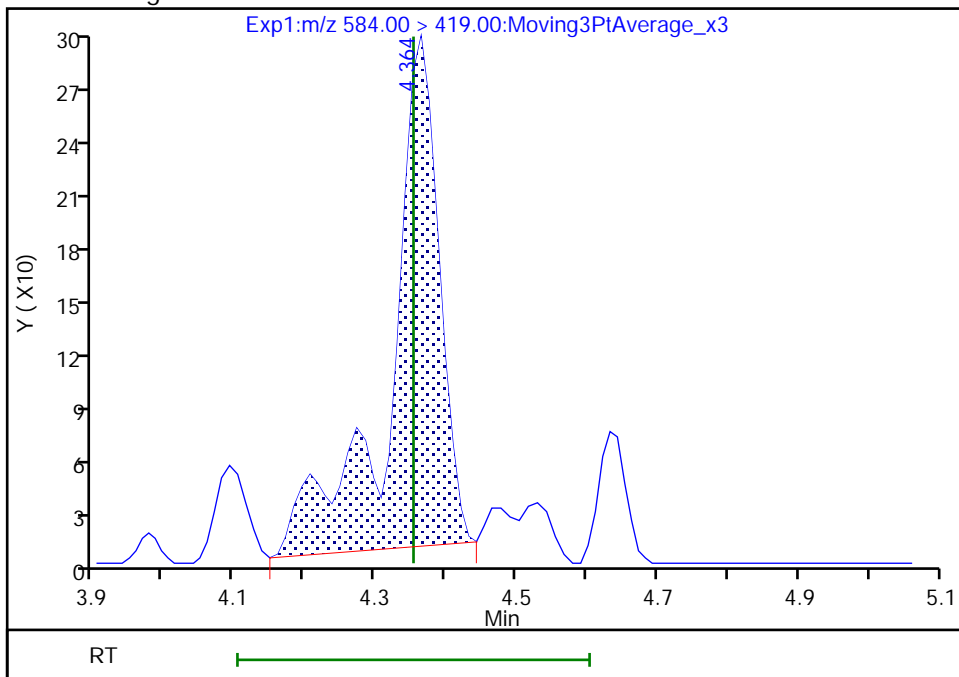
RT: 4.36
Area: 1915
Amount: 0.011264
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 1392
Amount: 0.008188
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:31:33
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

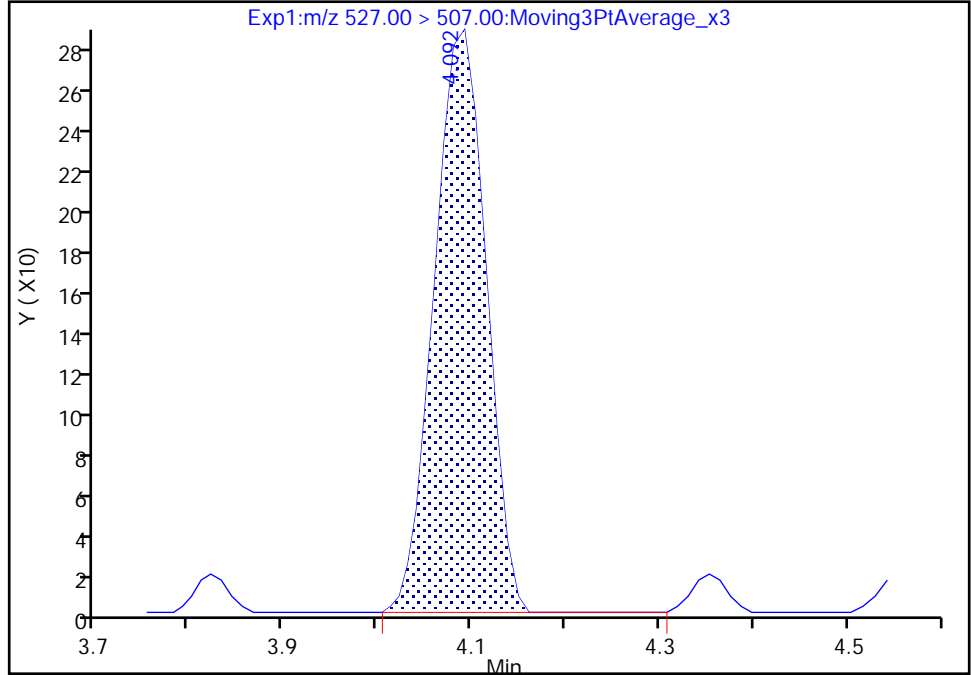
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d
Injection Date: 02-Sep-2022 17:31:14 Instrument ID: LC812
Lims ID: MB 200-183198/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

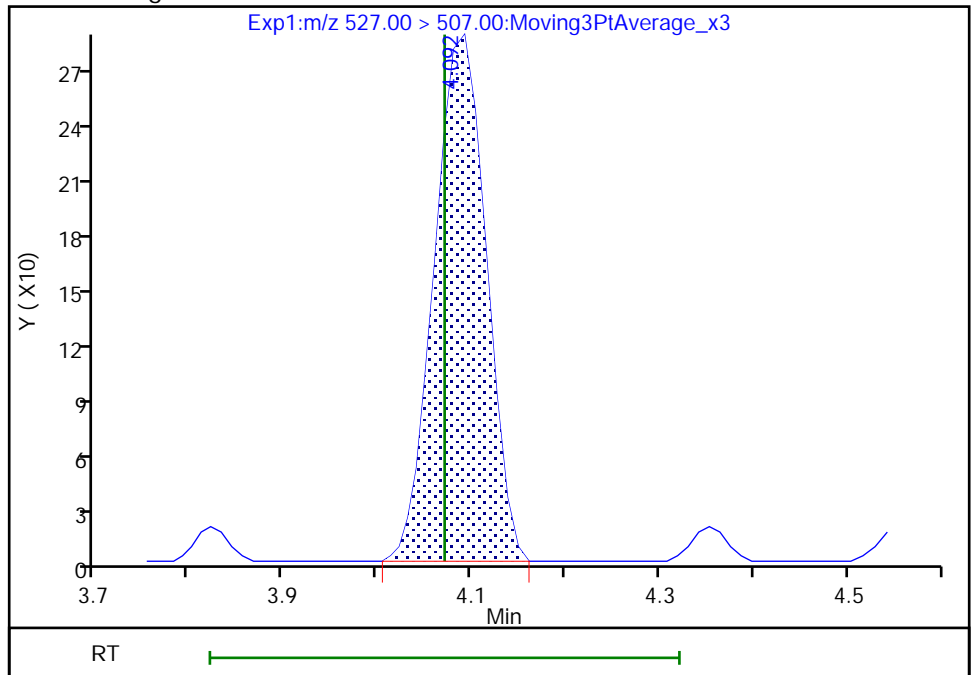
RT: 4.09
Area: 1109
Amount: 0.005027
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 1109
Amount: 0.005027
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:30:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

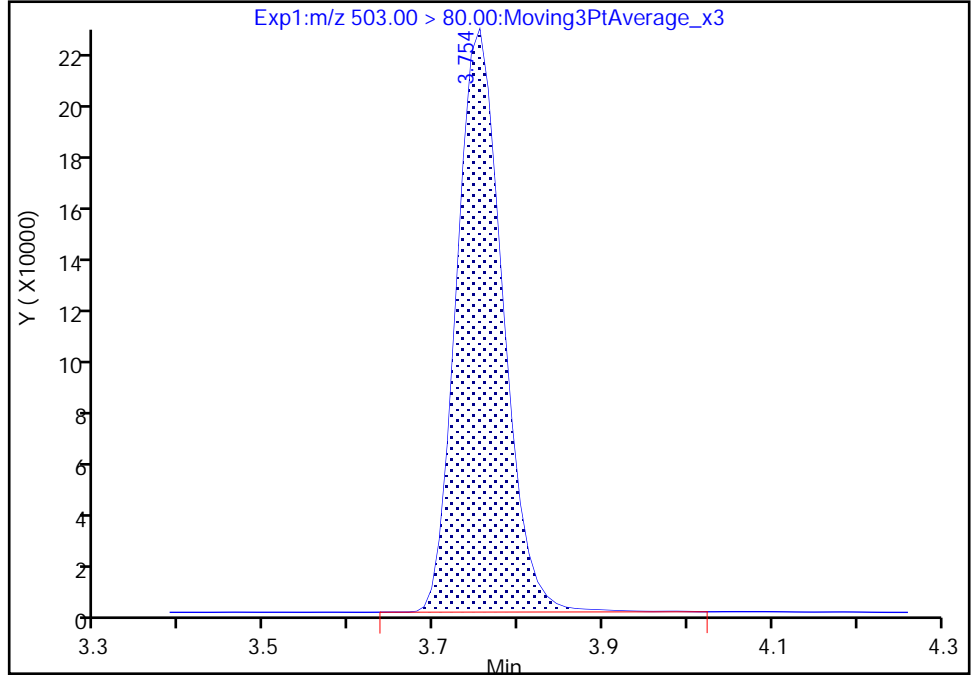
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d
Injection Date: 02-Sep-2022 17:31:14 Instrument ID: LC812
Lims ID: MB 200-183198/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 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

D 18 13C4 PFOS, CAS: STL00991
Signal: 1

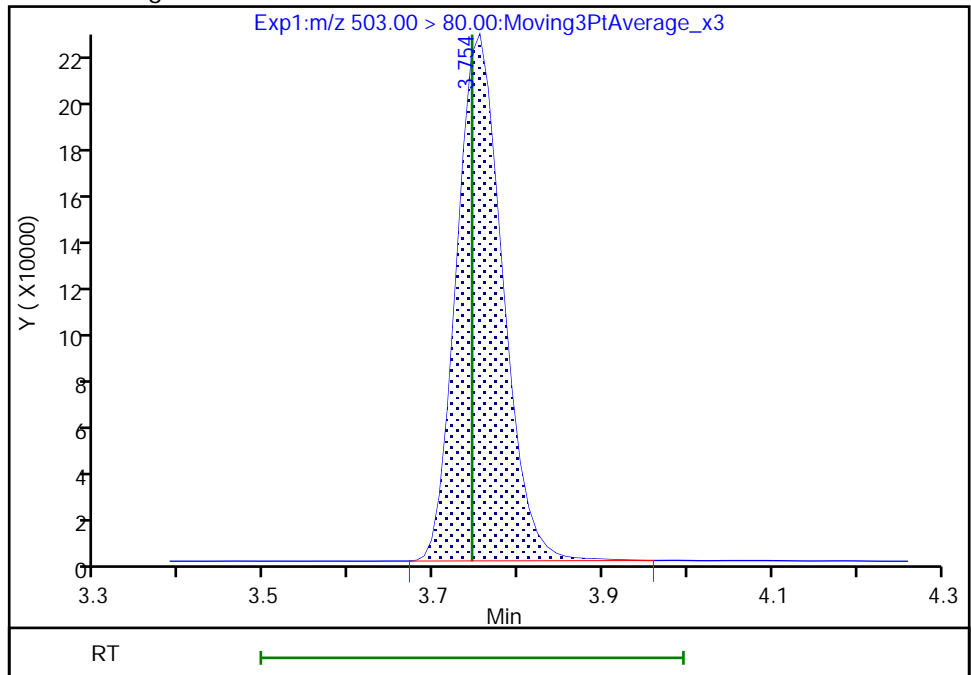
RT: 3.75
Area: 849752
Amount: 1.169531
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 848235
Amount: 1.167443
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:20:27
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

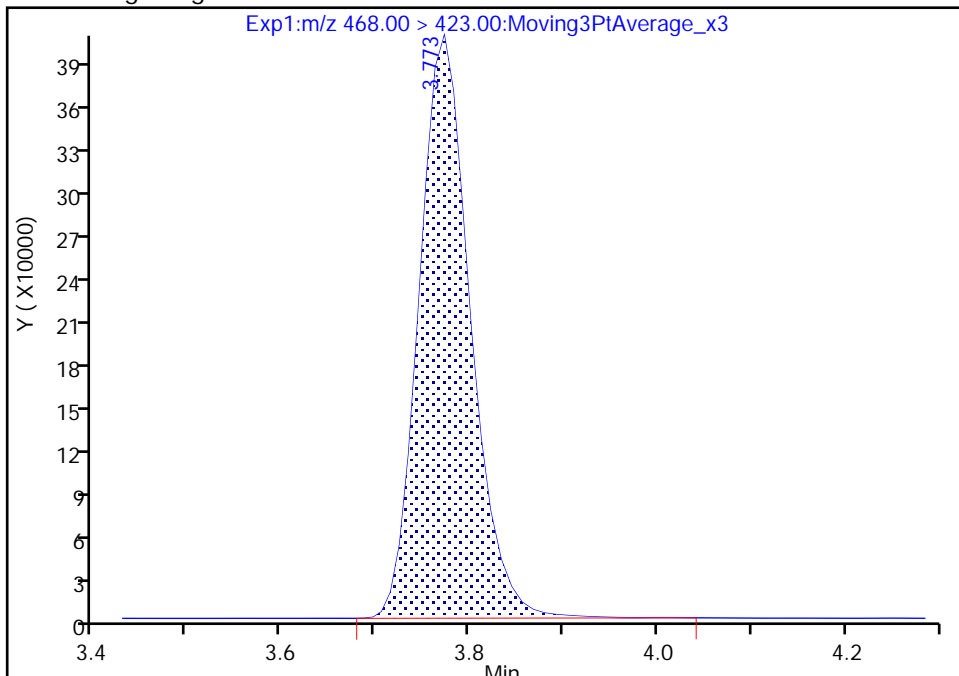
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Injection Date: 02-Sep-2022 17:31:14 Instrument ID: LC812
Lims ID: MB 200-183198/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

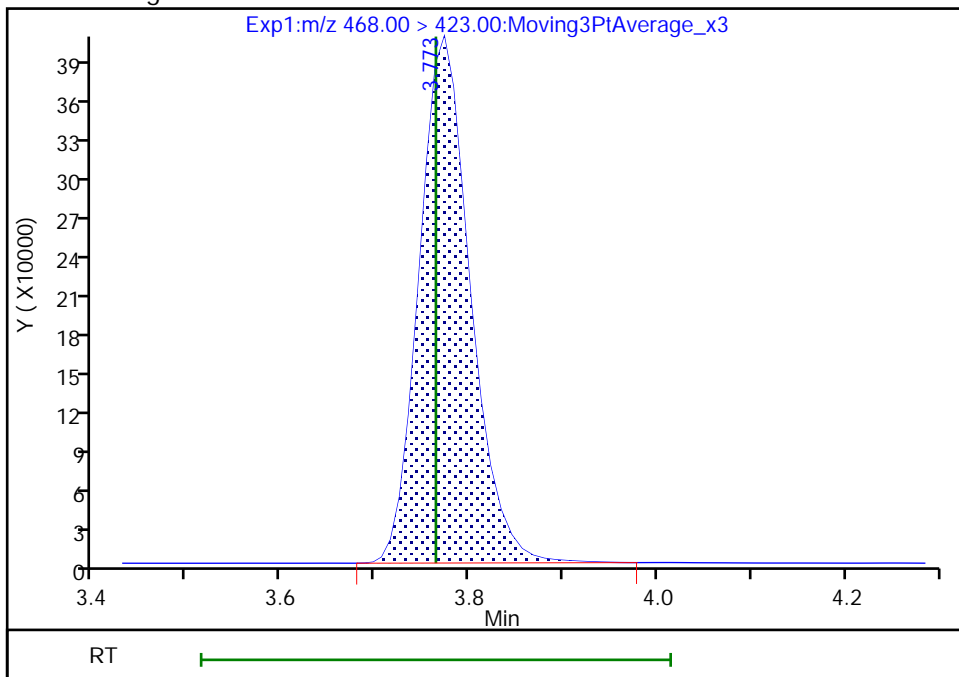
RT: 3.77
Area: 1529616
Amount: 1.161225
Amount Units: ng/ml

Processing Integration Results



RT: 3.77
Area: 1527664
Amount: 1.159743
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:20:33
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

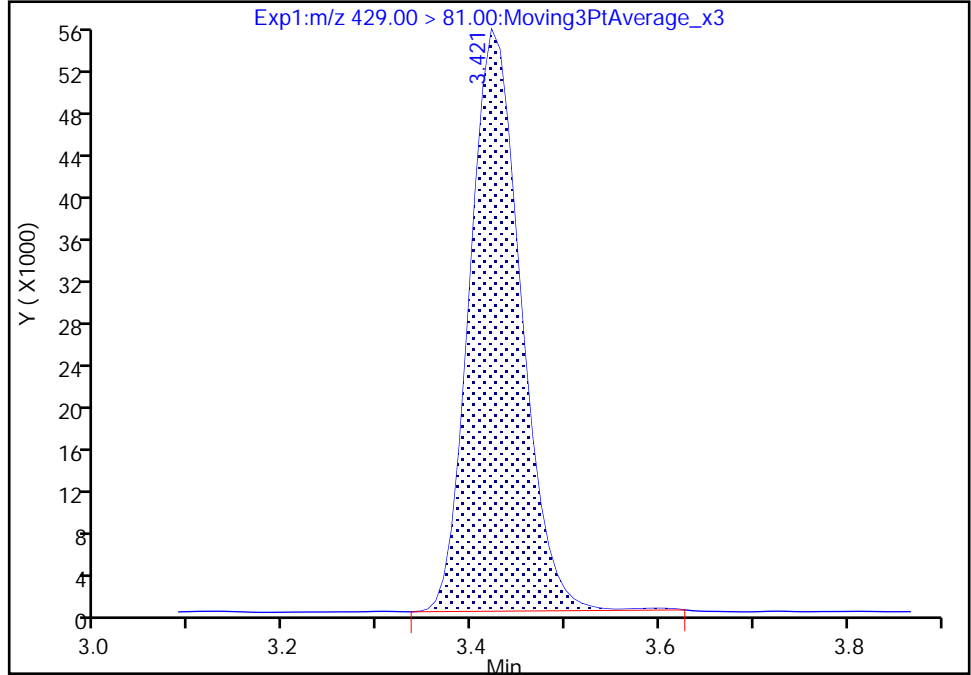
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d
Injection Date: 02-Sep-2022 17:31:14 Instrument ID: LC812
Lims ID: MB 200-183198/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 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

D 12 M2-6:2 FTS, CAS: STL02279
Signal: 1

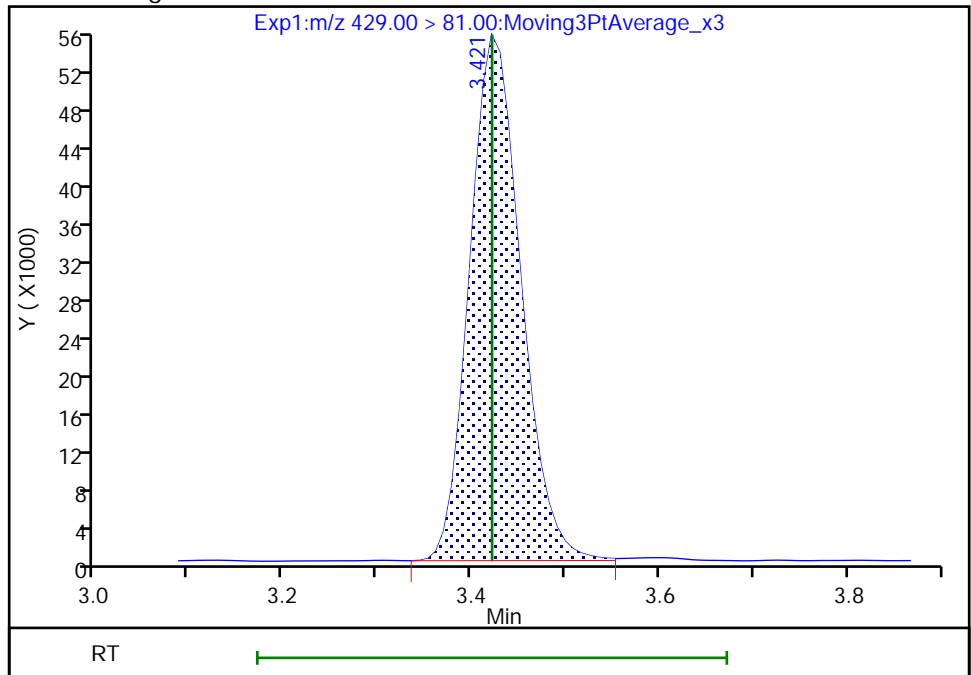
RT: 3.42
Area: 210080
Amount: 1.289927
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 210261
Amount: 1.291039
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:19:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 777 of 996

Eurofins Burlington

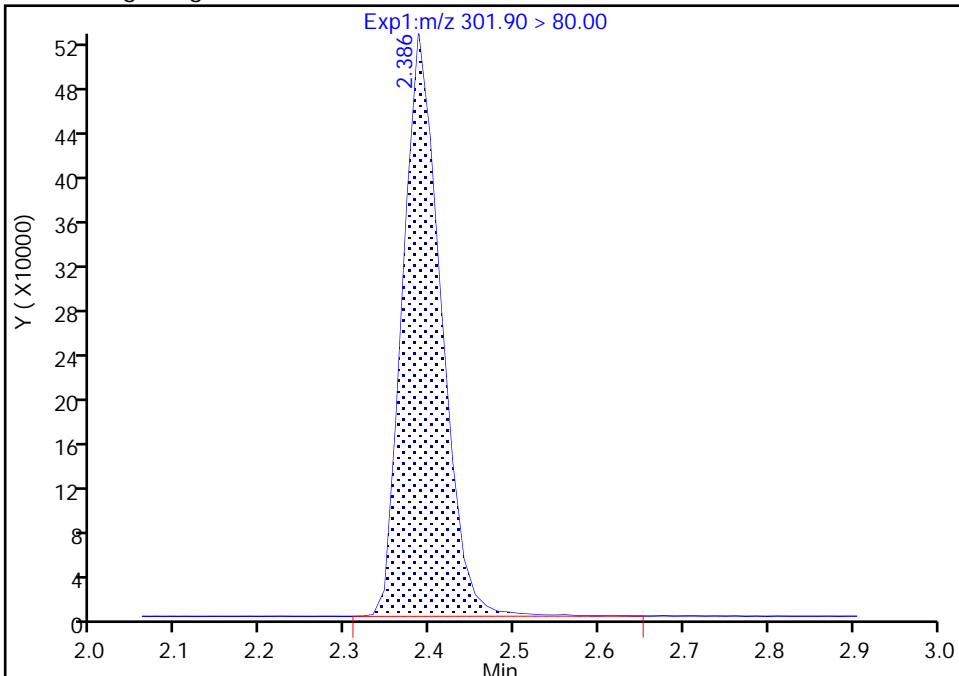
Data File:	\\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B02B.d		
Injection Date:	02-Sep-2022 17:31:14	Instrument ID:	LC812
Lims ID:	MB 200-183198/1-A		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	2 Worklist Smp#: 2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

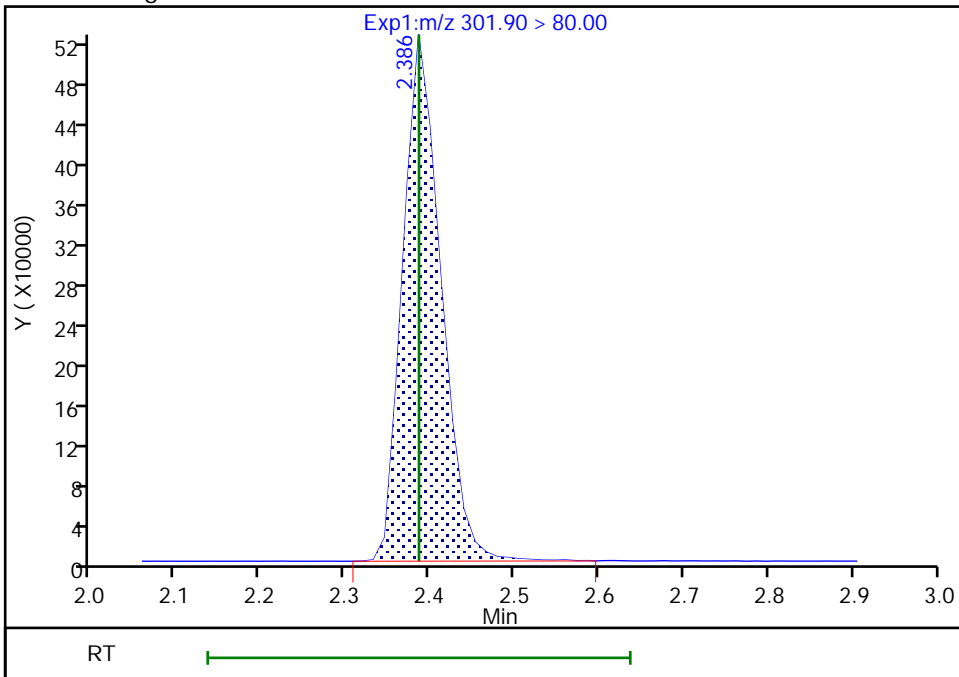
Processing Integration Results

RT: 2.39
 Area: 1635607
 Amount: 1.182196
 Amount Units: ng/ml



Manual Integration Results

RT: 2.39
 Area: 1633985
 Amount: 1.181023
 Amount Units: ng/ml



Reviewer: nampitakw, 05-Sep-2022 09:19:23
 Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-264366-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: CCB 200-183247/4
 Matrix: Solid Lab File ID: PA220902A04.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 09/02/2022 12:37
 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.: 183247 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.: 460-264366-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: CCB 200-183247/4
 Matrix: Solid Lab File ID: PA220902A04.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 09/02/2022 12:37
 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.: 183247 Units: ng/mL

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	103		50-150
STL01892	13C4 PFHpA	102		50-150
STL00990	13C4 PFOA	101		50-150
STL00991	13C4 PFOS	105		50-150
STL00995	13C5 PFNA	98		50-150
STL00992	13C4 PFBA	107		50-150
STL00993	13C2 PFHxA	100		50-150
STL00996	13C2 PFDA	106		50-150
STL00997	13C2 PFUnA	109		50-150
STL00998	13C2 PFDoA	102		50-150
STL01056	13C8 FOSA	108		50-150
STL01893	13C5 PFPeA	106		50-150
STL02116	13C2 PFTeDA	115		50-150
STL02118	d3-NMeFOSAA	122		50-150
STL02117	d5-NEtFOSAA	122		50-150
STL02279	M2-6:2 FTS	114		50-150
STL02280	M2-8:2 FTS	120		50-150
STL02337	13C3 PFBS	104		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A04.d
 Lims ID: CCB
 Client ID:
 Sample Type: CCB
 Inject. Date: 02-Sep-2022 12:37:02 ALS Bottle#: 1 Worklist Smp#: 4
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: CCB
 Misc. Info.: 200-0052315-004 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 06-Sep-2022 11:48:57 Calib Date: 03-Aug-2022 13:41:11
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1638

First Level Reviewer: khanphomeea Date: 05-Sep-2022 09:22:45
 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	2.068	2.068	0.0	0.601	2471509	1.34	107	17603	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.068	0.017	1.008	8907	0.004646		1.1		M
D 3 13C5 PFPeA	267.90 > 223.00	2.373	2.374	-0.001	0.690	1883377	1.33	106	5265	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.386	2.374	0.012	1.006	2295	0.001477		0.1		M
D 47 13C3 PFBS	301.90 > 80.00	2.386	2.387	-0.001	0.694	1978184	1.20	104	296186	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.400	2.387	0.013	1.006	1776	0.000946	Target=2.23	1.5		M
298.90 > 99.00	2.400	2.387	0.013	1.006	1186		1.50(1.11-3.34)	0.9		M
D 60 M2-4:2 FTS	329.00 > 81.00	2.689	2.677	0.012	0.782	177653	1.26	108	165	
D 7 13C2 PFHxA	315.00 > 270.00	2.725	2.713	0.012	0.793	1768624	1.25	99.8	4843	
D 64 13C3 HFPO-DA	287.00 > 169.00	2.822	2.823	-0.001	0.821	322688	1.21	96.8	3100	
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.822	2.823	-0.001	1.000	144	0.000519		4.3		M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.087	3.077	0.010	1.004	4883	0.003720	Target=3.43	14.2		M
399.00 > 99.00	3.076	3.077	-0.001	1.000	2116		2.31(1.72-5.15)	2.8		M
D 11 18O2 PFHxS	403.00 > 84.00	3.076	3.077	-0.001	0.895	1407225	1.22	103	2683	
D 9 13C4 PFHpA	367.00 > 322.00	3.087	3.077	0.010	0.898	1866777	1.27	102	3629	

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	3.429	3.422	0.007	0.997	262260	1.36		114	662	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.420	3.422	-0.002	0.997	323	-0.0158		1.6	M	
D 14 13C4 PFOA										
417.00 > 372.00	3.438	3.430	0.008	1.000	1909134	1.27		101	3339	
* 62 13C2 PFOA										
415.00 > 370.00	3.438	3.430	0.008		1976550	1.25			2428	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.403	3.430	-0.027	0.990	3629	0.002119	Target=2.67	0.2	M	
413.00 > 169.00	3.429	3.430	-0.001	0.997	1114		3.26(1.34-4.01)	3.0	M	
D 18 13C4 PFOS										
503.00 > 80.00	3.753	3.745	0.008	1.092	1078878	1.25		105	3411	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.763	3.745	0.018	1.003	2771	-0.0154	Target=4.88	1.7	M	
499.00 > 99.00	3.763	3.745	0.018	1.003	641		4.32(2.44-7.32)	2.1	M	
D 19 13C5 PFNA										
468.00 > 423.00	3.772	3.764	0.008	1.097	1919992	1.23		98.2	3534	
D 23 13C2 PFDA										
515.00 > 470.00	4.071	4.061	0.010	1.184	2013687	1.32		106	2095	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.081	4.071	0.010	1.187	334592	1.44		120	1075	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.071	4.071	0.0	0.997	45	0.000167		1.6	M	
D 21 13C8 FOSA										
506.00 > 78.00	4.138	4.127	0.011	1.204	1800636	1.35		108	1568	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.127	4.127	0.0	0.997	921	0.000627		6.0	M	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.217	4.207	0.010	1.227	312021	1.53		122	2504	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.195	4.218	-0.023	0.995	142	0.000641		1.2	M	
D 30 13C2 PFUnA										
565.00 > 520.00	4.342	4.342	0.0	1.263	1572443	1.36		109	3227	
31 Perfluoroundecanoic acid										RM
563.00 > 519.00	4.342	4.342	0.0	1.000	1068	0.000801	Target=9.07	0.9	RM	
563.00 > 169.00	4.331	4.342	-0.011	0.997	47		22.72(4.54-13.61)	1.0	M	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.353	4.342	0.011	1.266	295608	1.53		122	1050	
66 11-Chloroeicosafuoro-3-oxaundec										M
631.00 > 451.00	4.432	4.432	0.0	1.181	804	0.000387		4.4	M	
D 36 13C2 PFDoA										
615.00 > 570.00	4.580	4.580	0.0	1.332	1529919	1.28		102	3011	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.591	4.602	-0.011	1.125	33	0.000262		1.3	M	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.002	4.992	0.010	1.455	1408545	1.44		115	2814	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.002	4.992	0.010	1.000	259	0.001435	Target=0.94		7.9	M
713.00 > 219.00	4.992	4.992	0.0	0.998	277		0.94(0.47-1.41)		5.1	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.355	5.344	0.011	1.558	1449403	1.30		104	4455	
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.355	5.344	0.011	1.000	12726	-0.008497	Target=4.38		2.8	M
813.00 > 169.00	5.355	5.344	0.011	1.000	2642		4.82(2.19-6.57)		39.1	

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCBLK20_00021

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A04.d

Injection Date: 02-Sep-2022 12:37:02

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

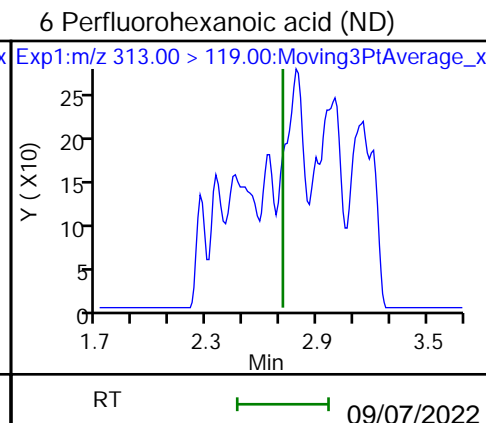
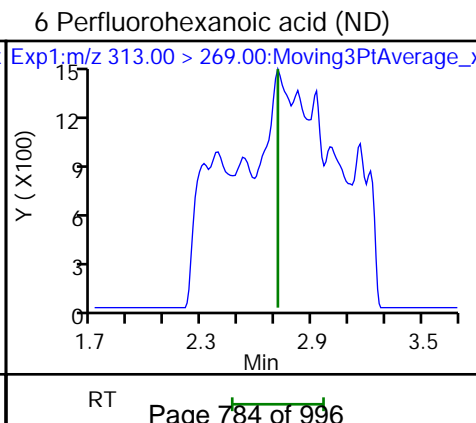
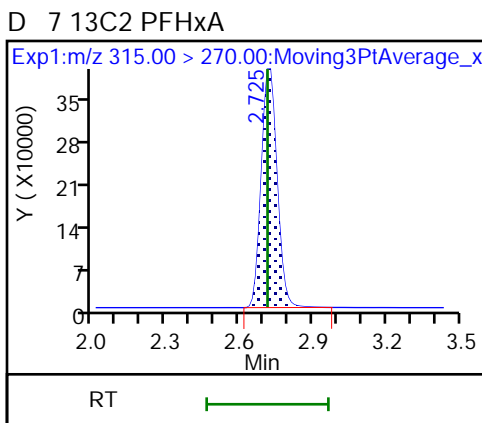
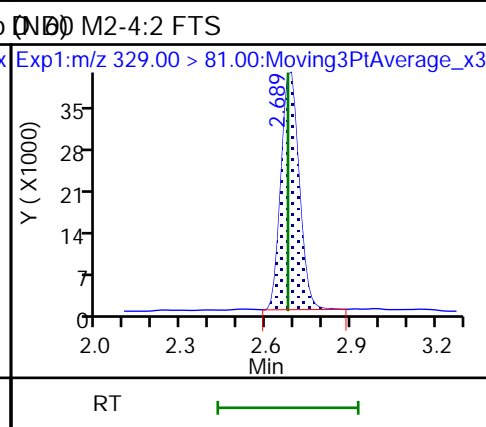
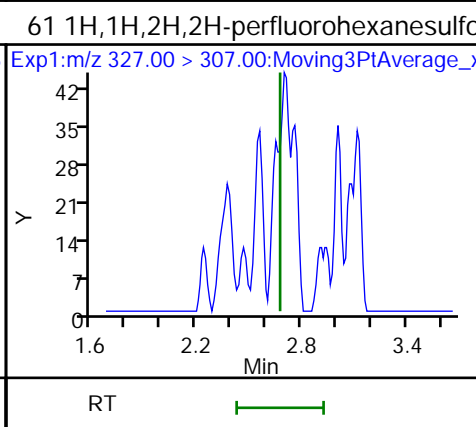
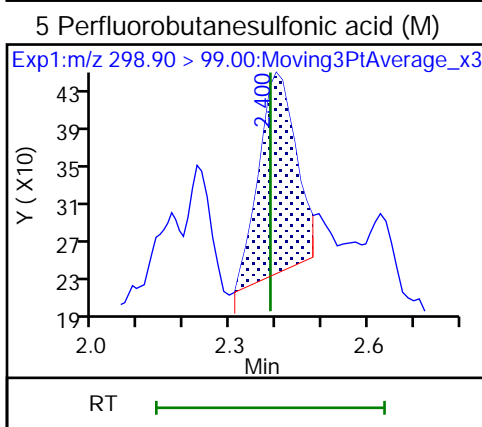
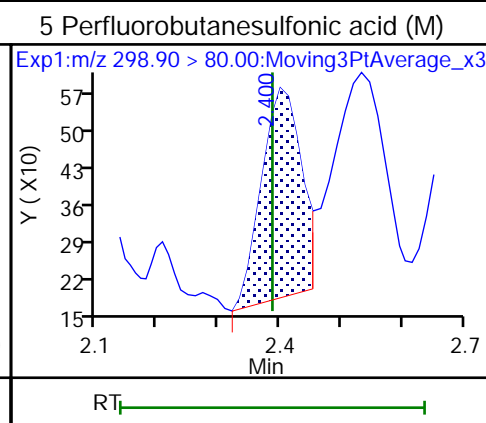
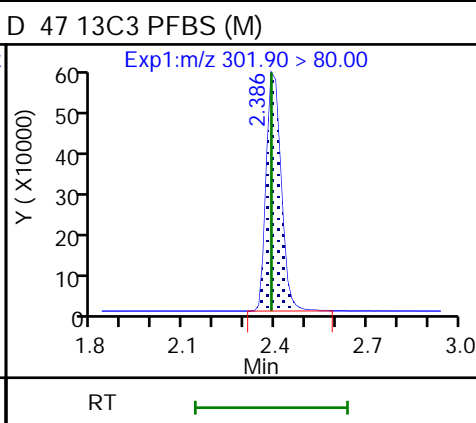
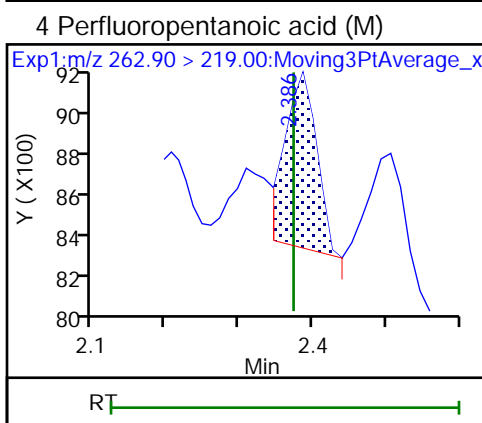
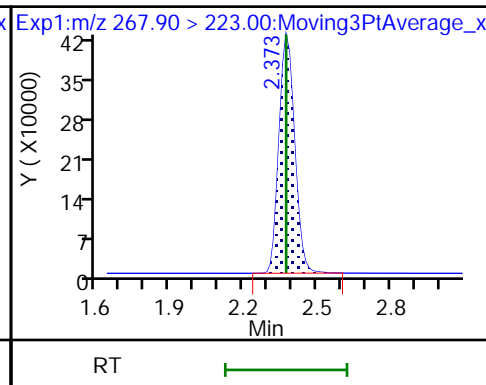
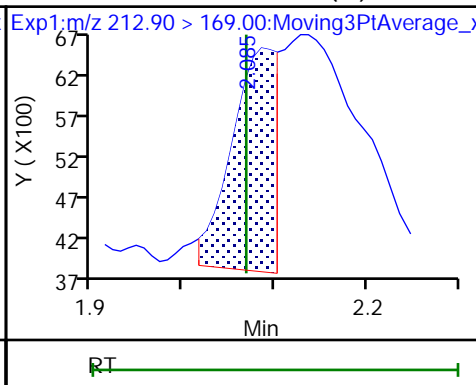
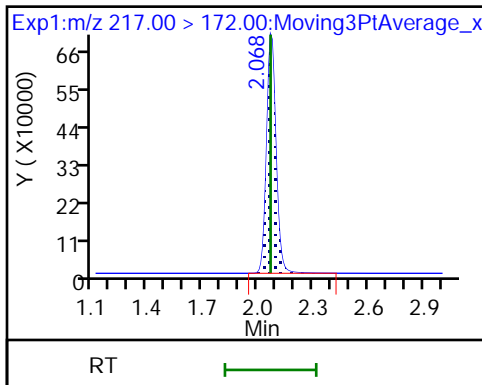
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

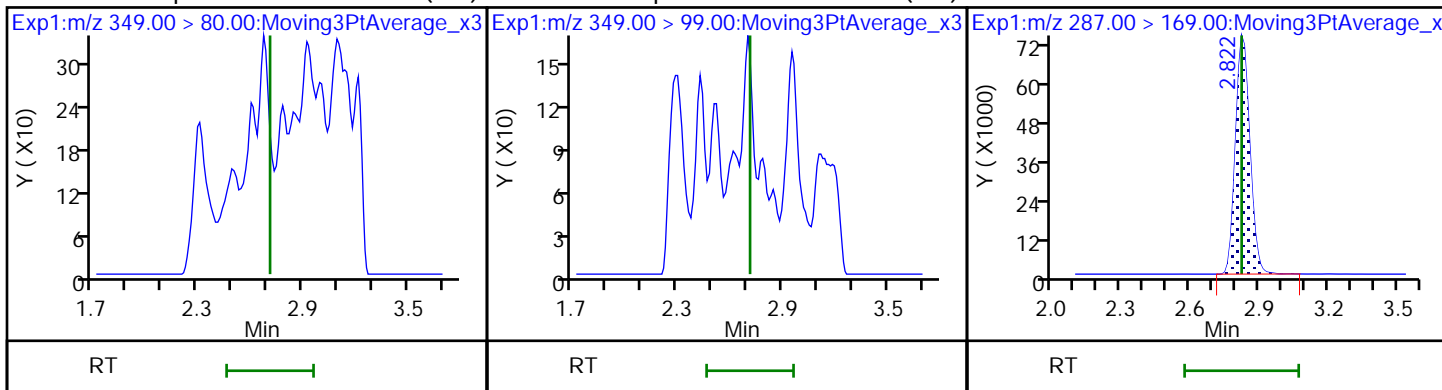
D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

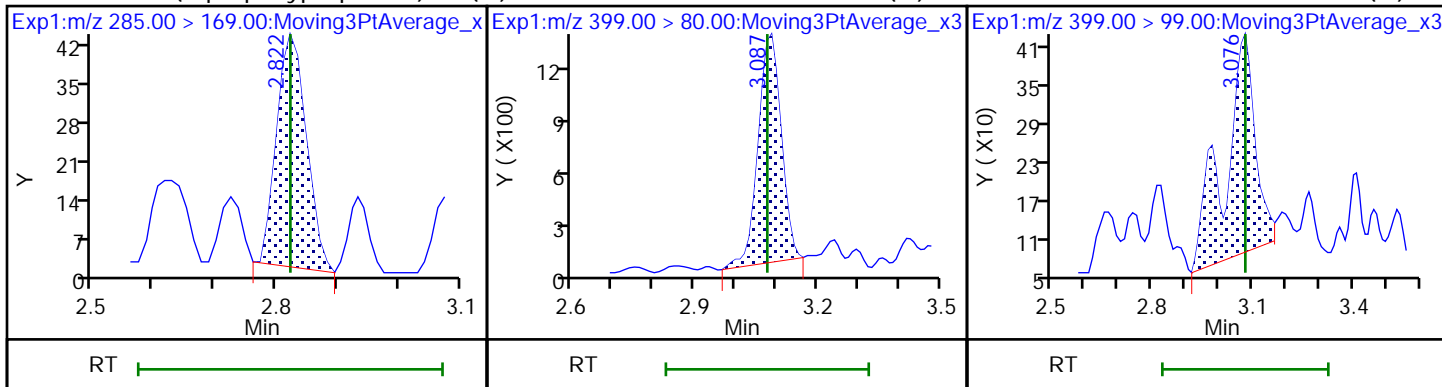
D 3 13C5 PFPeA



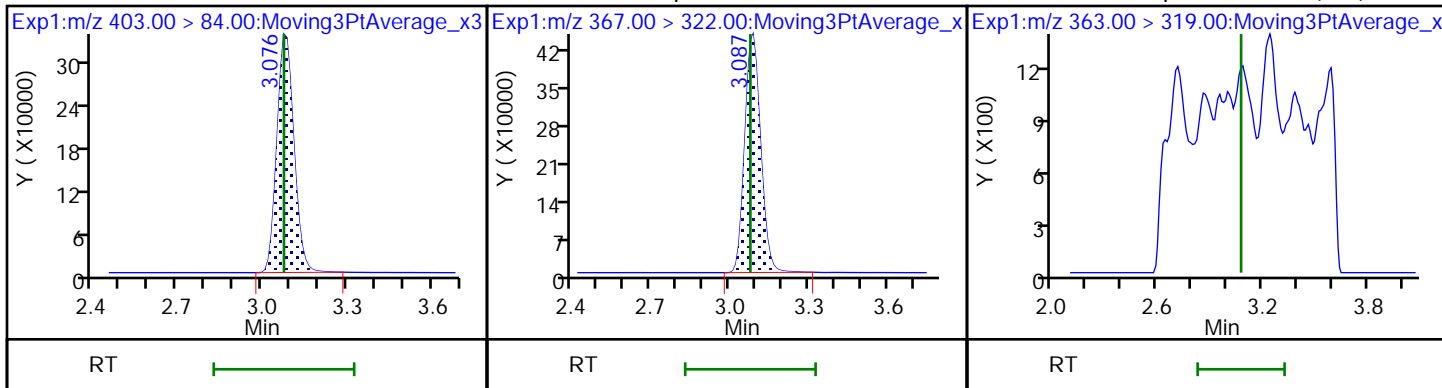
70 Perfluoropentanesulfonic acid (ND) 70 Perfluoropentanesulfonic acid (ND) D 64 13C3 HFPO-DA



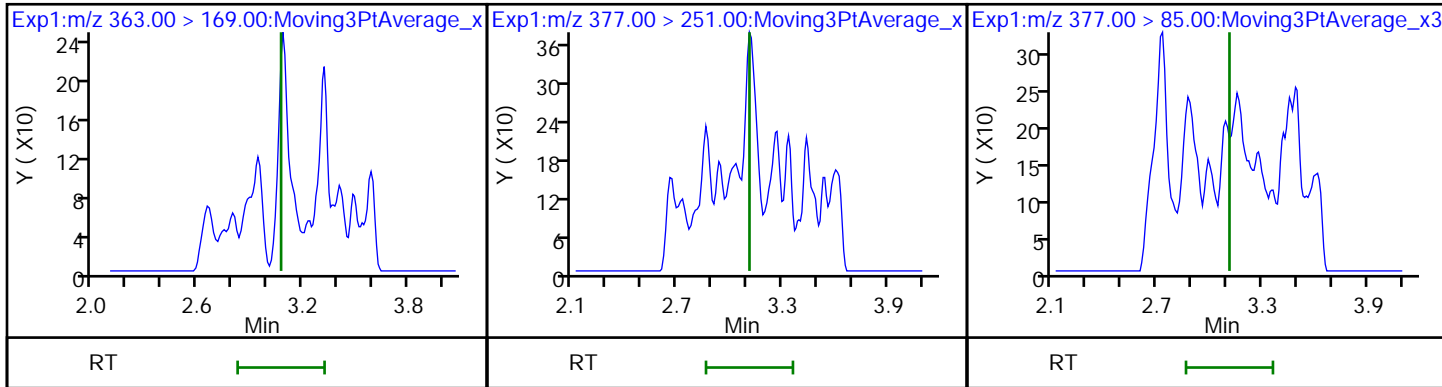
67 Perfluoro(2-propoxypropanoic) ac (M) 8 Perfluorohexanesulfonic acid (M) 8 Perfluorohexanesulfonic acid (M)



D 11 18O2 PFHxS D 9 13C4 PFHpA 10 Perfluoroheptanoic acid (ND)

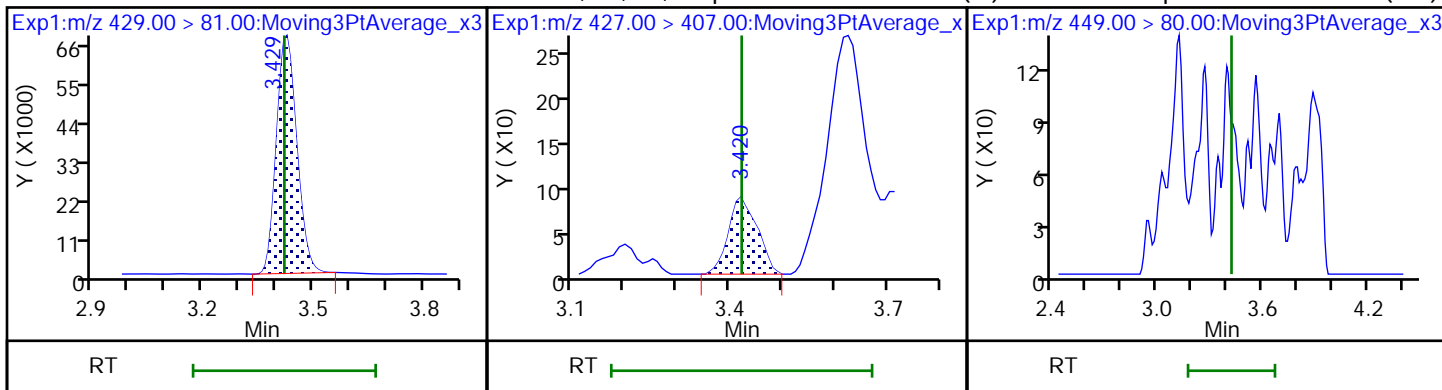


10 Perfluoroheptanoic acid (ND) 77 DONA (ND) 77 DONA (ND)



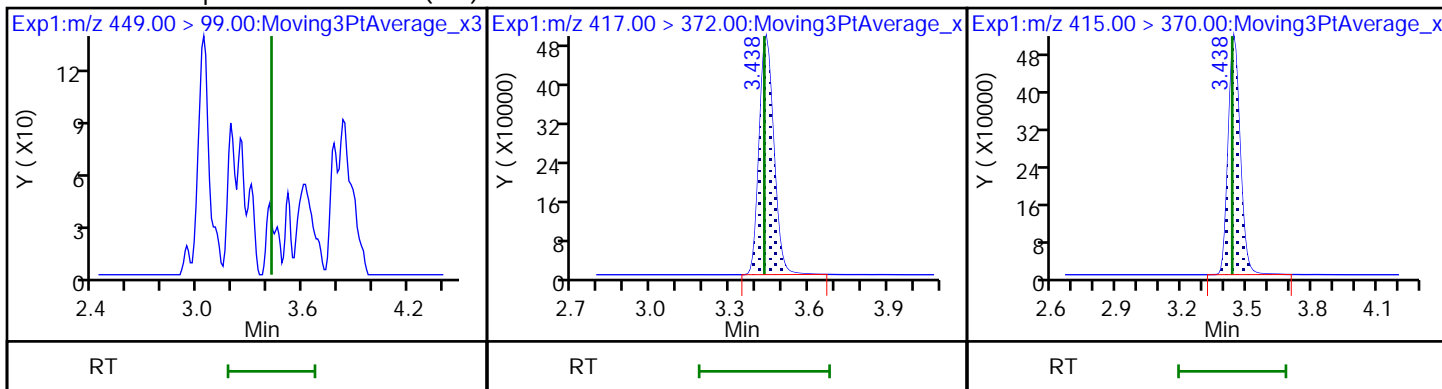
D 12 M2-6:2 FTS

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



16 Perfluoroheptanesulfonic acid (ND) D 14 13C4 PFOA

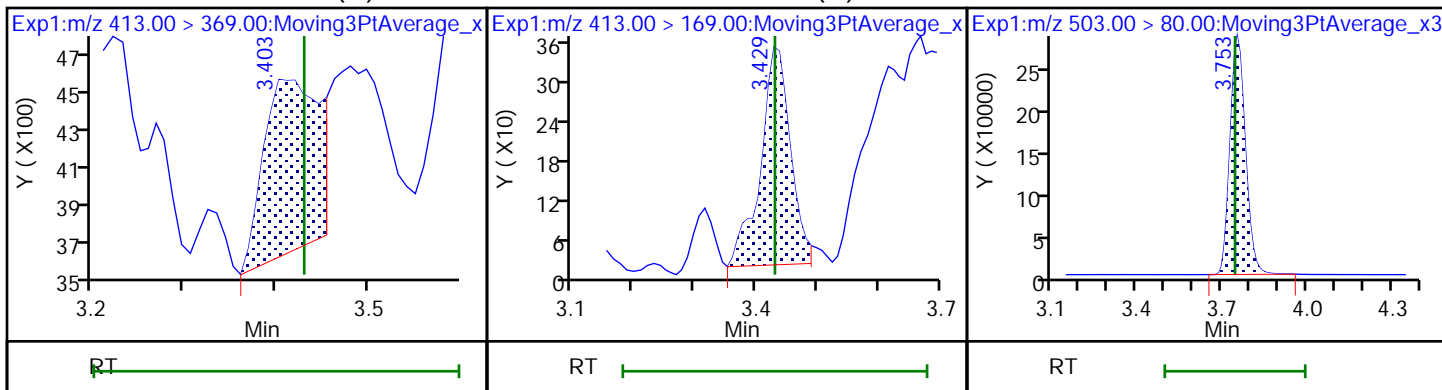
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

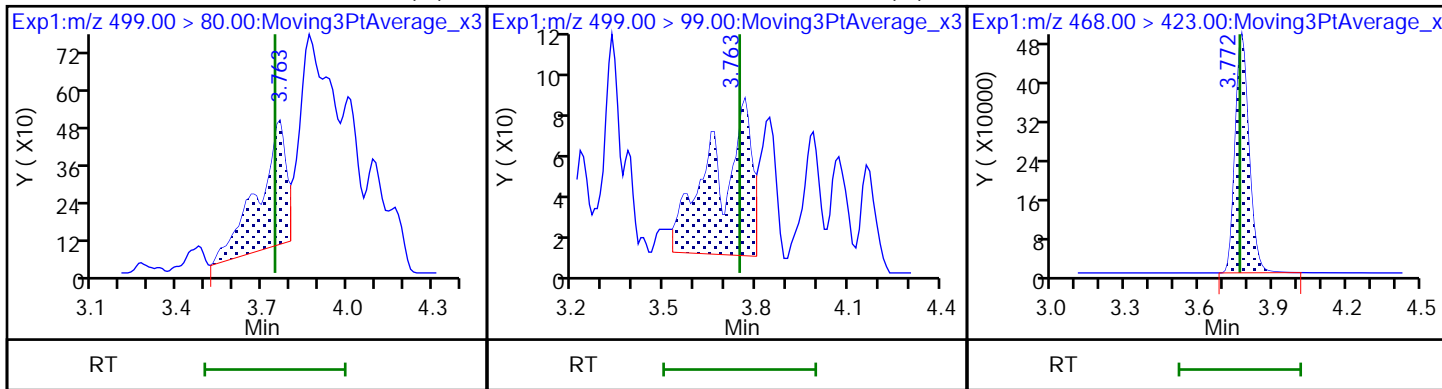
D 18 13C4 PFOS

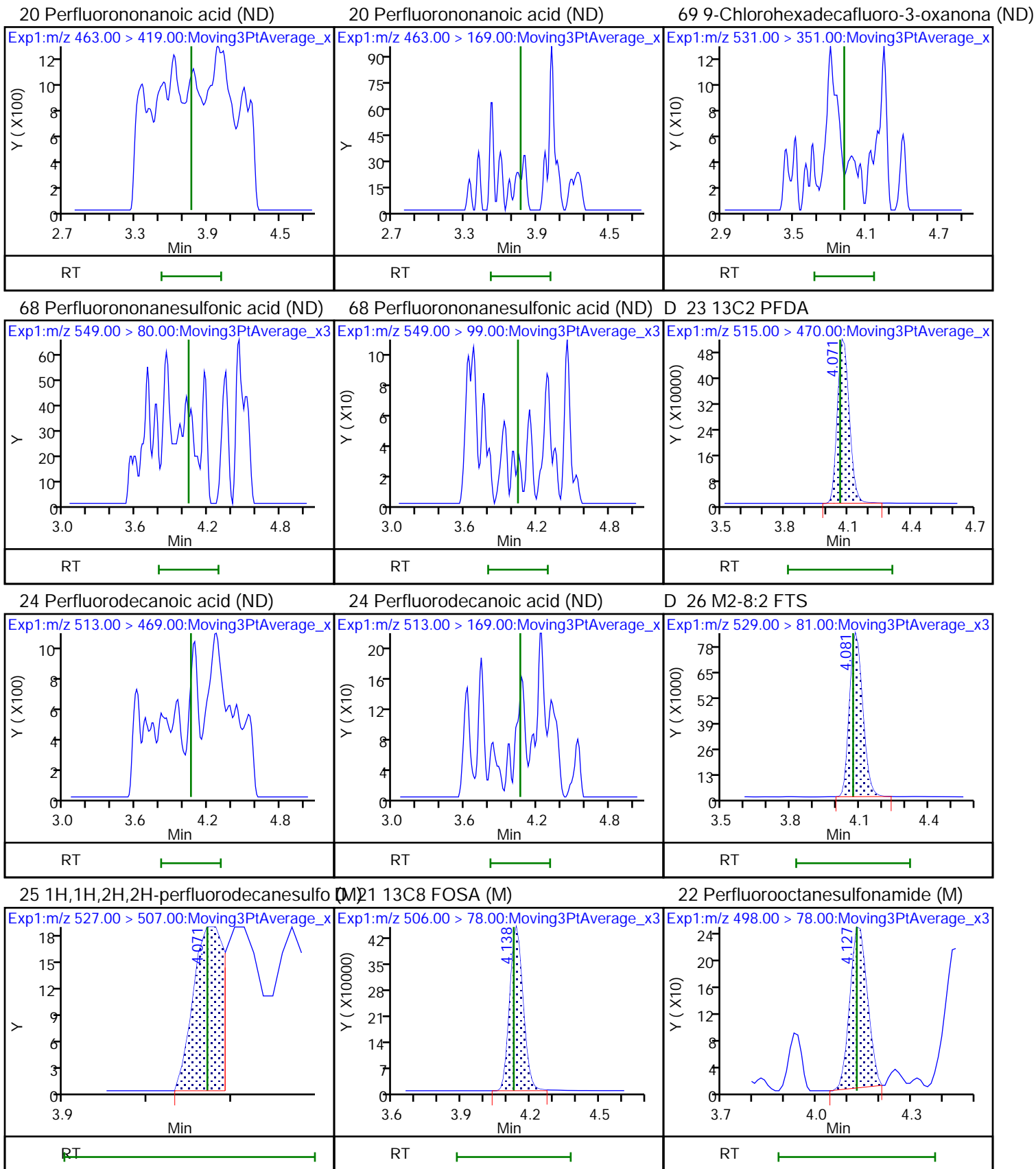


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

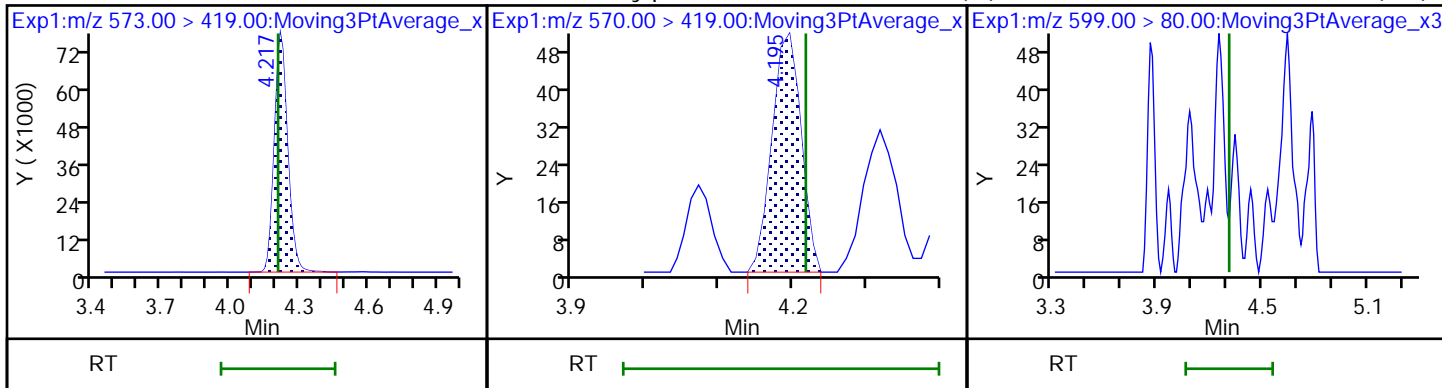
D 19 13C5 PFNA





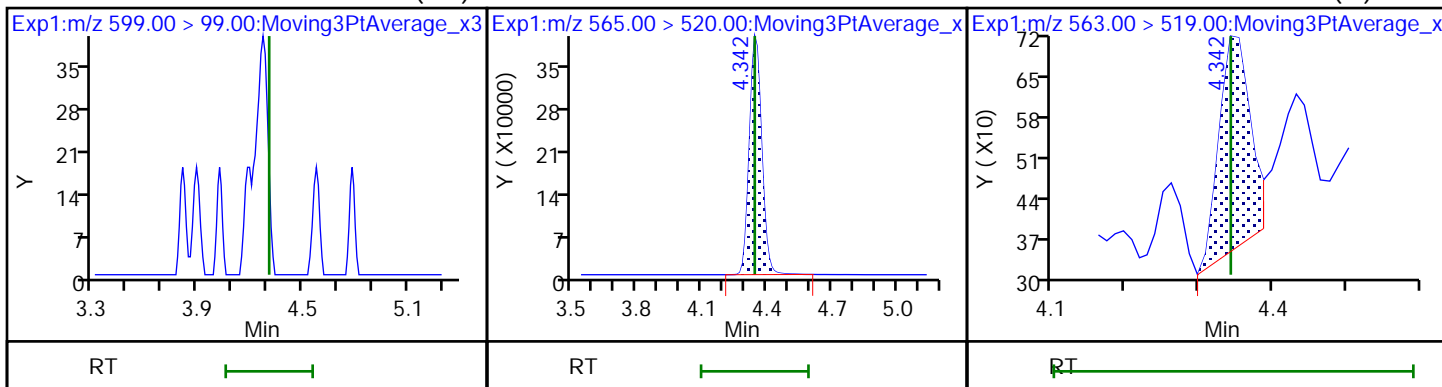
D 27 d3-NMeFOSAA

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



29 Perfluorodecanesulfonic acid (ND) D 30 13C2 PFUoA

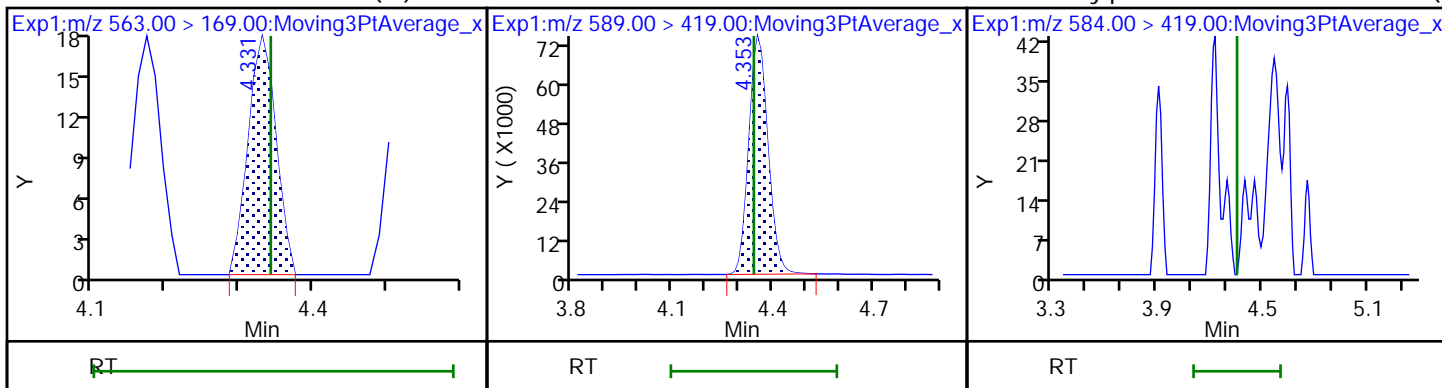
31 Perfluoroundecanoic acid (M)



31 Perfluoroundecanoic acid (M)

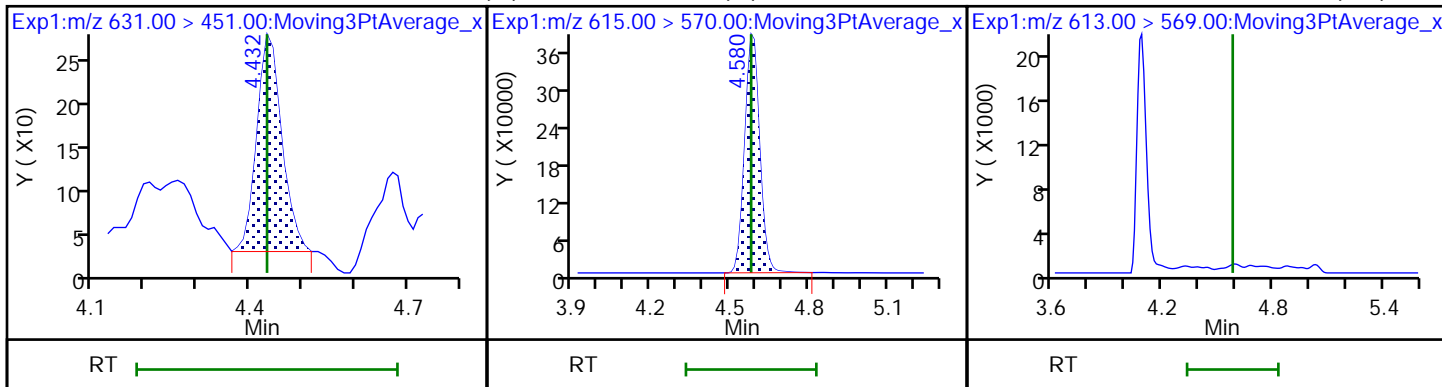
D 32 d5-NEtFOSAA

33 N-ethylperfluorooctanesulfonamid (ND)



66 11-Chloroeicosafuoro-3-oxaundec (M) 36 13C2 PFDoA (M)

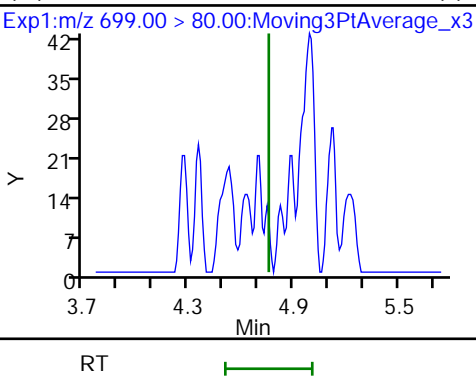
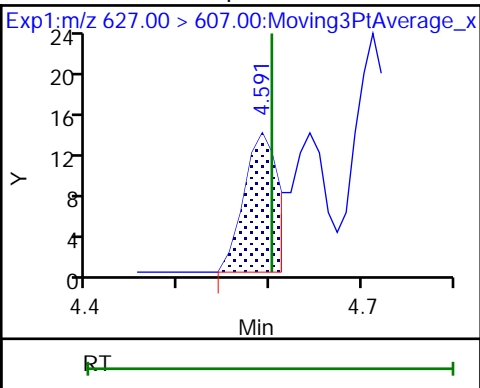
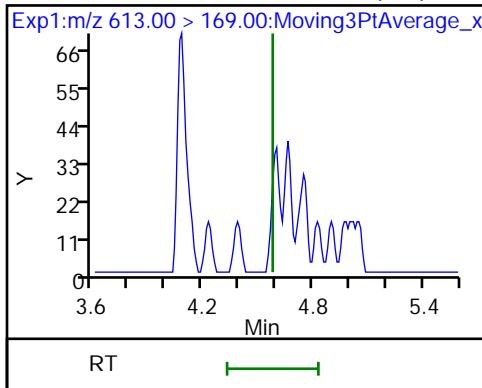
37 Perfluorododecanoic acid (ND)



37 Perfluorododecanoic acid (ND)

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

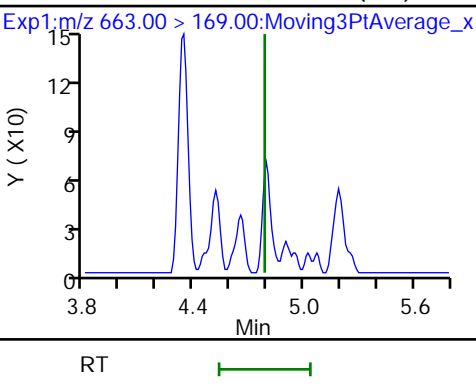
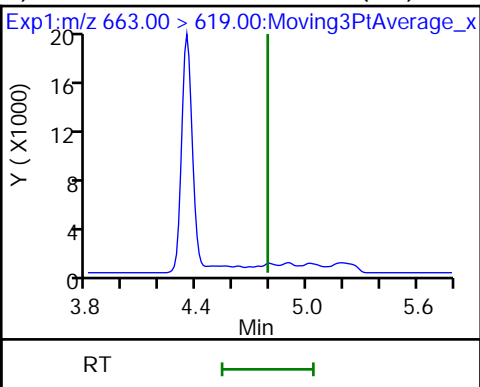
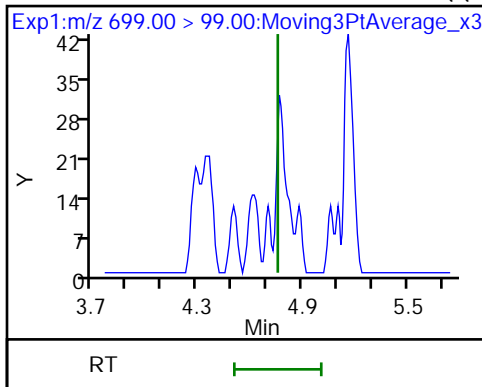
75 Perfluorododecanesulfonic acid ((ND)



75 Perfluorododecanesulfonic acid ((ND)

41 Perfluorotridecanoic acid (ND)

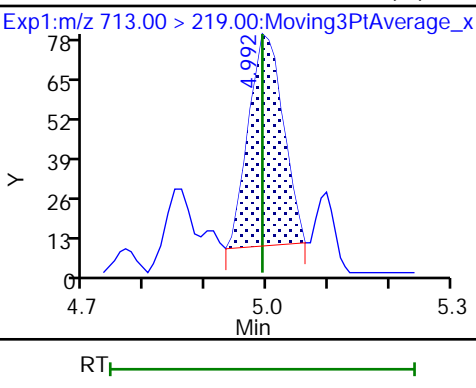
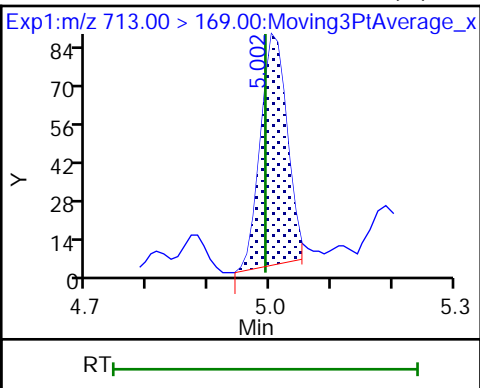
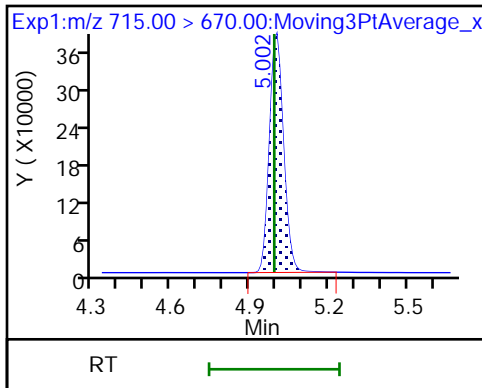
41 Perfluorotridecanoic acid (ND)



D 43 13C2 PFTeDA

42 Perfluorotetradecanoic acid (M)

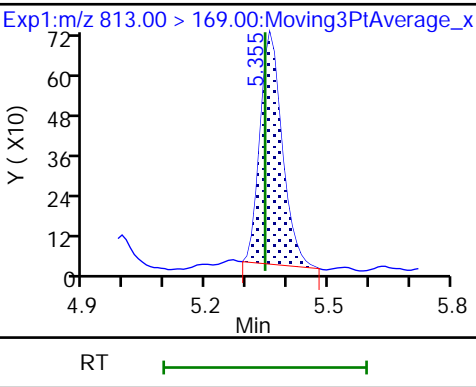
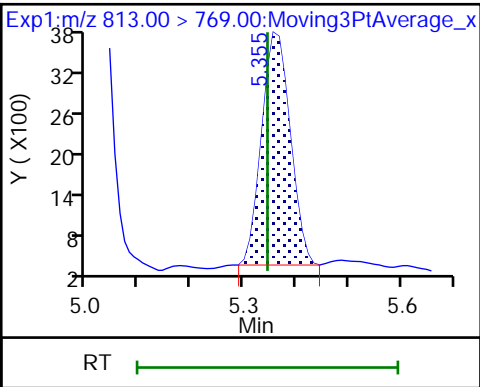
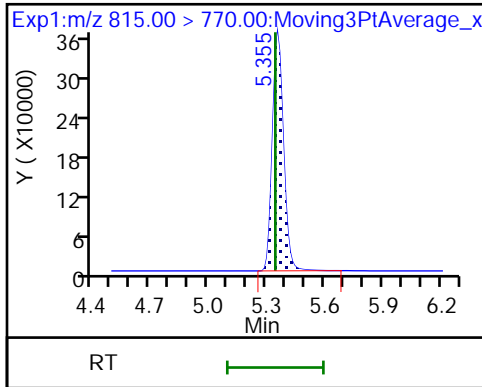
42 Perfluorotetradecanoic acid (M)



D 44 13C2 PFHxDA

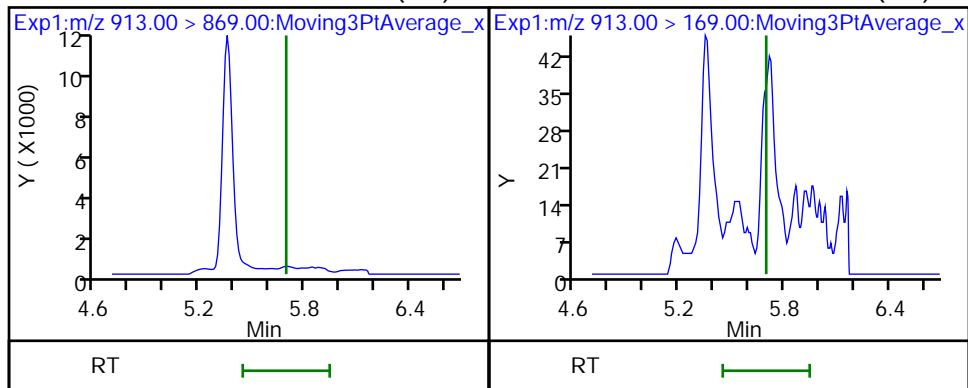
45 Perfluorohexadecanoic acid (M)

45 Perfluorohexadecanoic acid



46 Perfluorooctadecanoic acid (ND)

46 Perfluorooctadecanoic acid (ND)



Eurofins Burlington

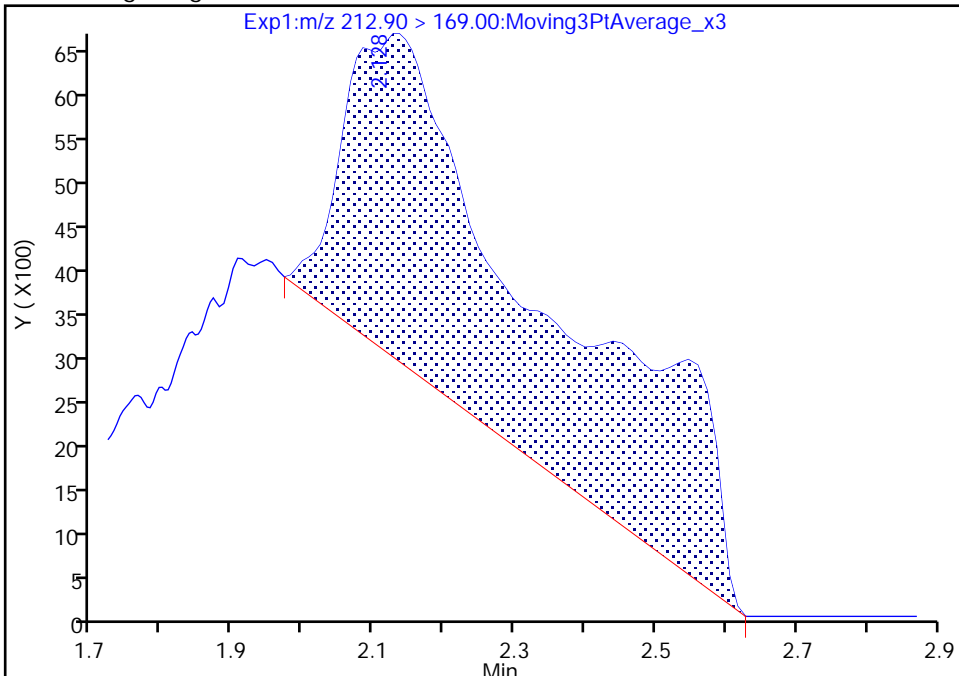
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A04.d
Injection Date: 02-Sep-2022 12:37:02 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

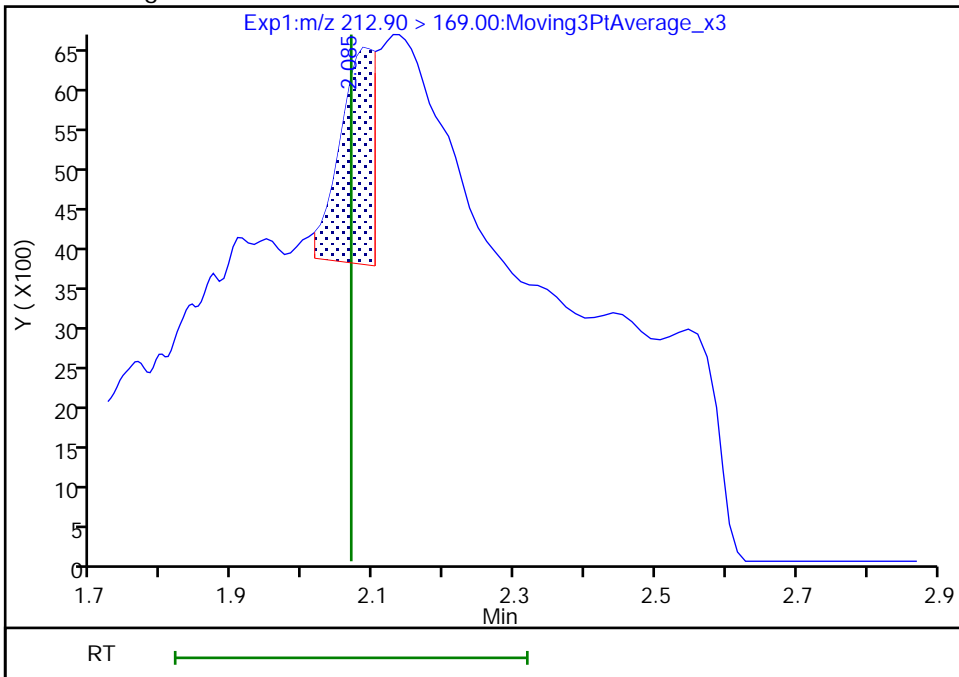
RT: 2.13
Area: 79595
Amount: 0.041515
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 8907
Amount: 0.004646
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:24:40
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

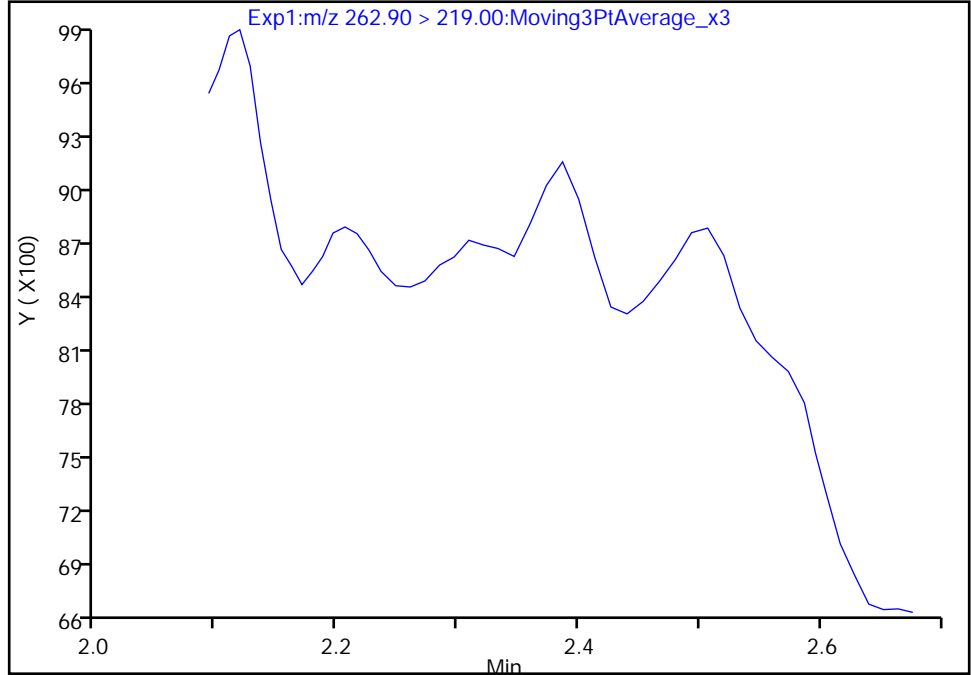
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A04.d
Injection Date: 02-Sep-2022 12:37:02 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

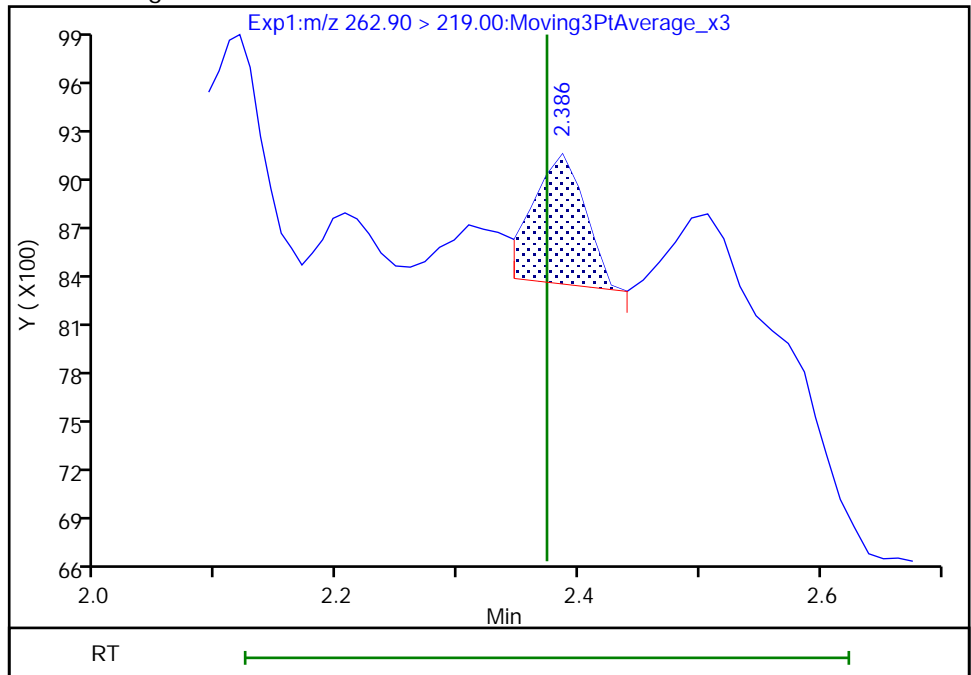
Not Detected
Expected RT: 2.37

Processing Integration Results



Manual Integration Results

RT: 2.39
Area: 2295
Amount: 0.001477
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Sep-2022 09:24:53
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

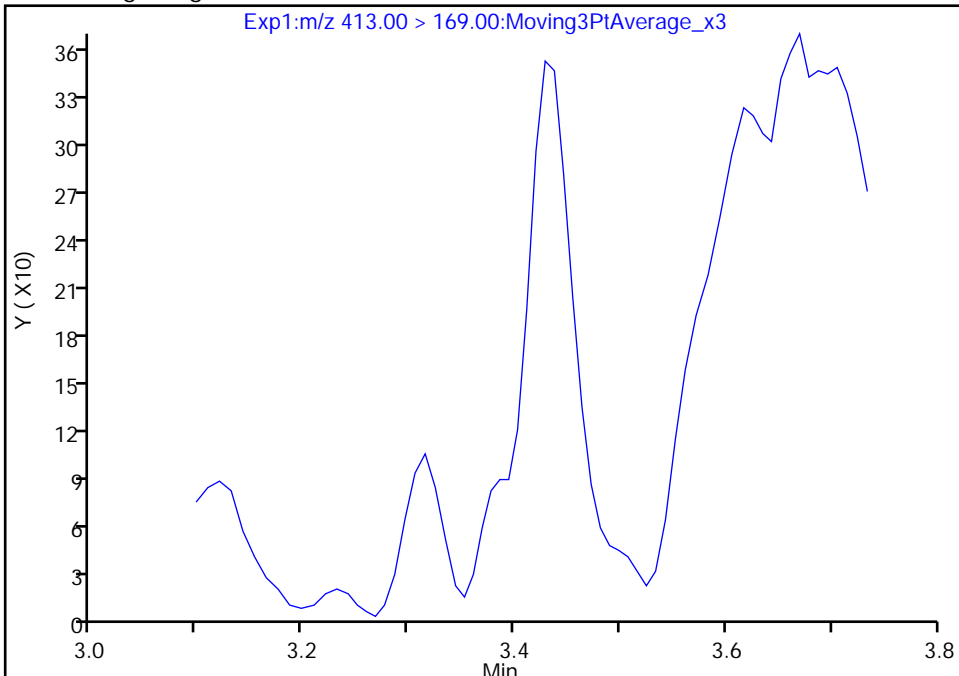
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A04.d
Injection Date: 02-Sep-2022 12:37:02 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

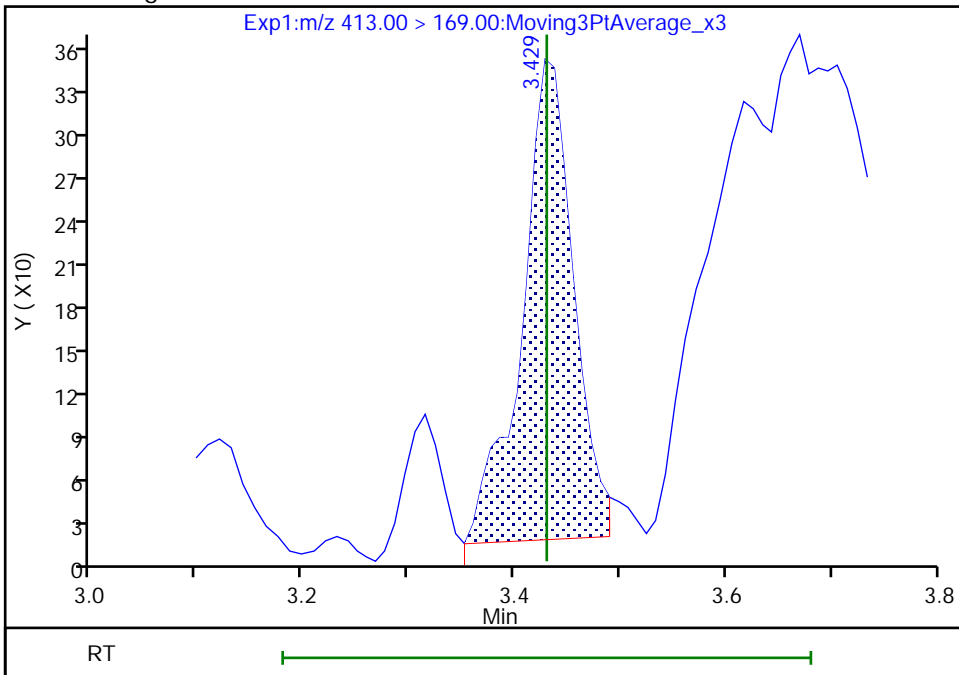
Not Detected
Expected RT: 3.43

Processing Integration Results



Manual Integration Results

RT: 3.43
Area: 1114
Amount: 0.002119
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Sep-2022 09:27:55
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

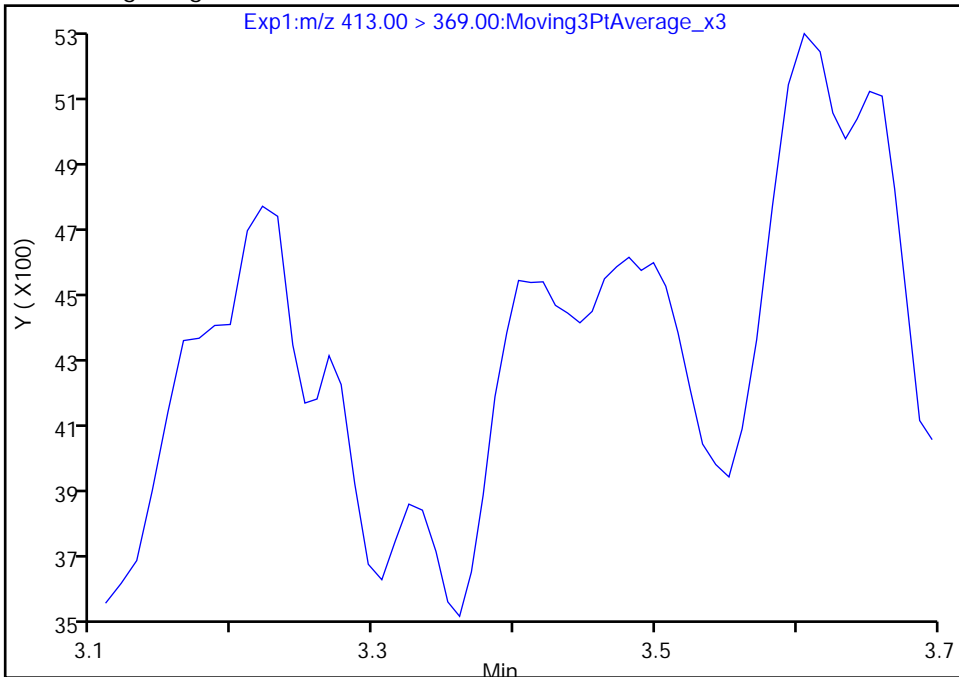
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A04.d
Injection Date: 02-Sep-2022 12:37:02 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

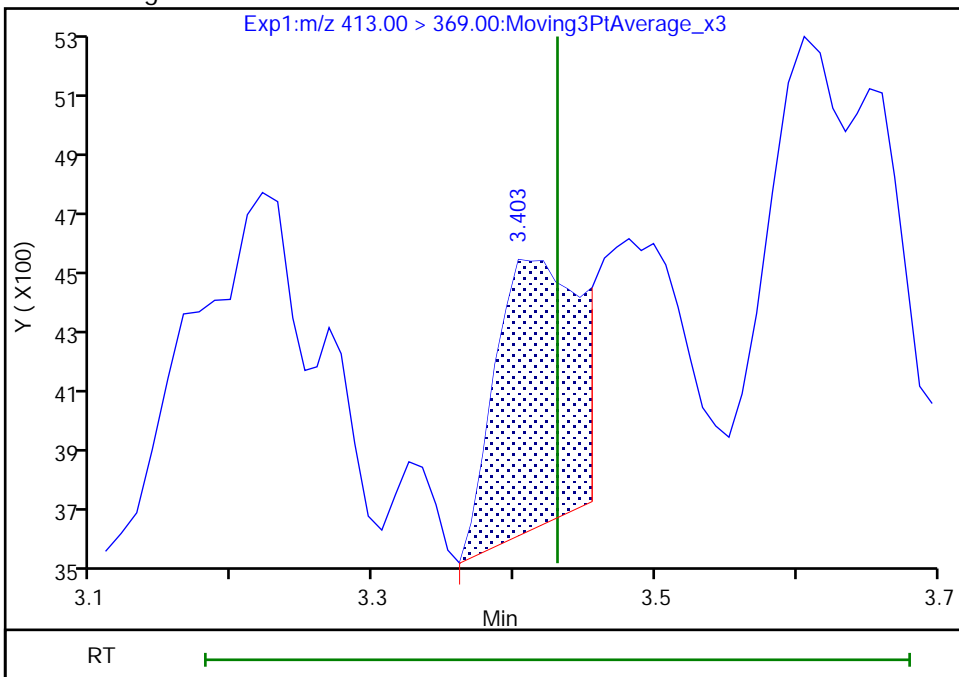
Not Detected
Expected RT: 3.43

Processing Integration Results



Manual Integration Results

RT: 3.40
Area: 3629
Amount: 0.002119
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Sep-2022 09:28:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

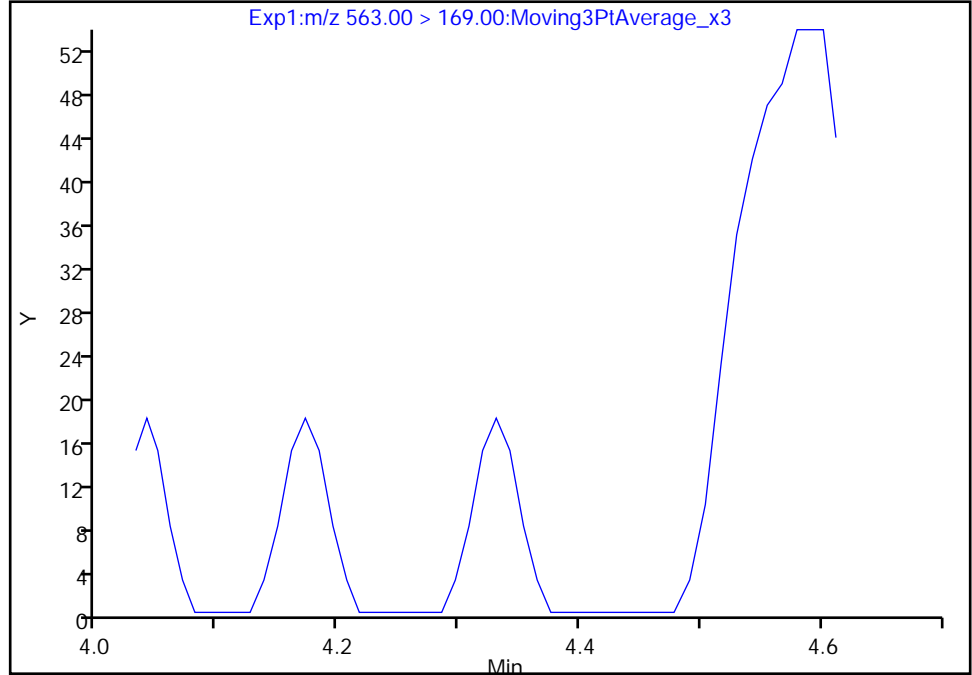
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A04.d
Injection Date: 02-Sep-2022 12:37:02 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

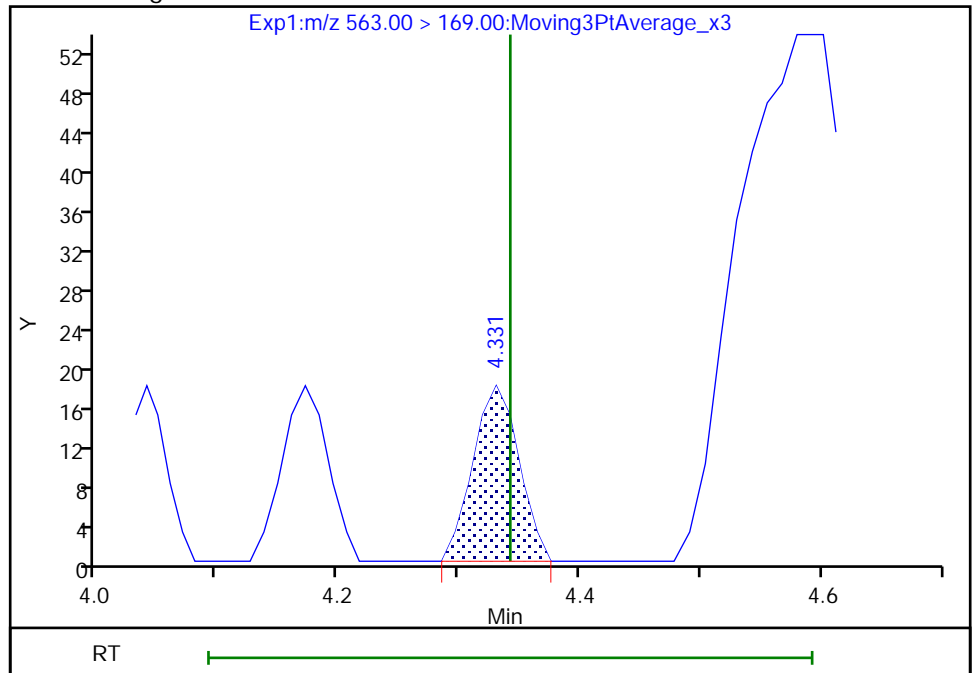
Not Detected
Expected RT: 4.34

Processing Integration Results



Manual Integration Results

RT: 4.33
Area: 47
Amount: 0.000801
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Sep-2022 09:29:34
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

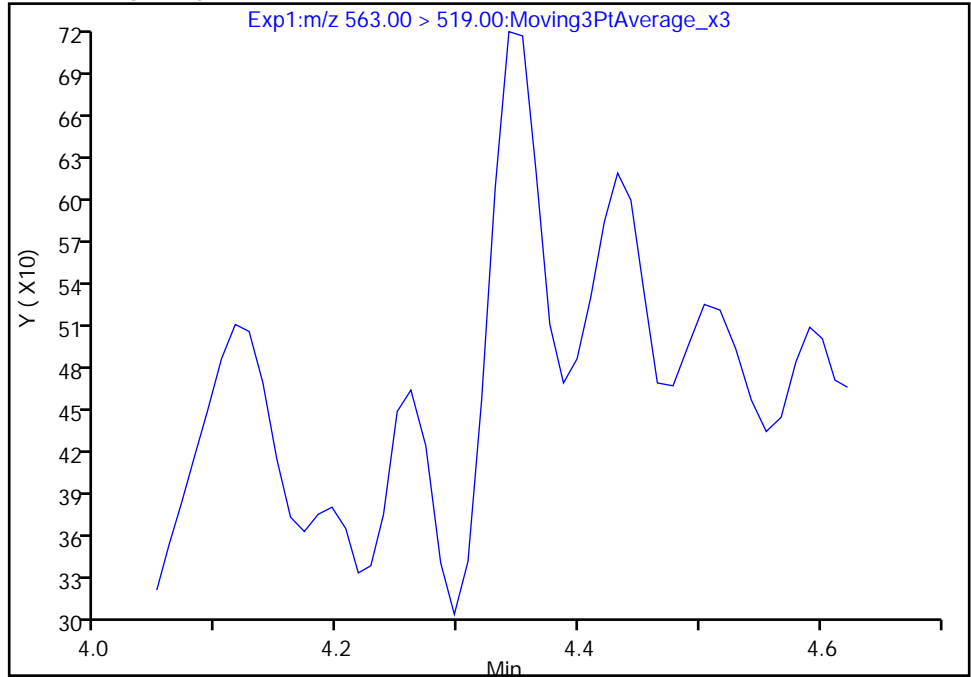
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A04.d
Injection Date: 02-Sep-2022 12:37:02 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

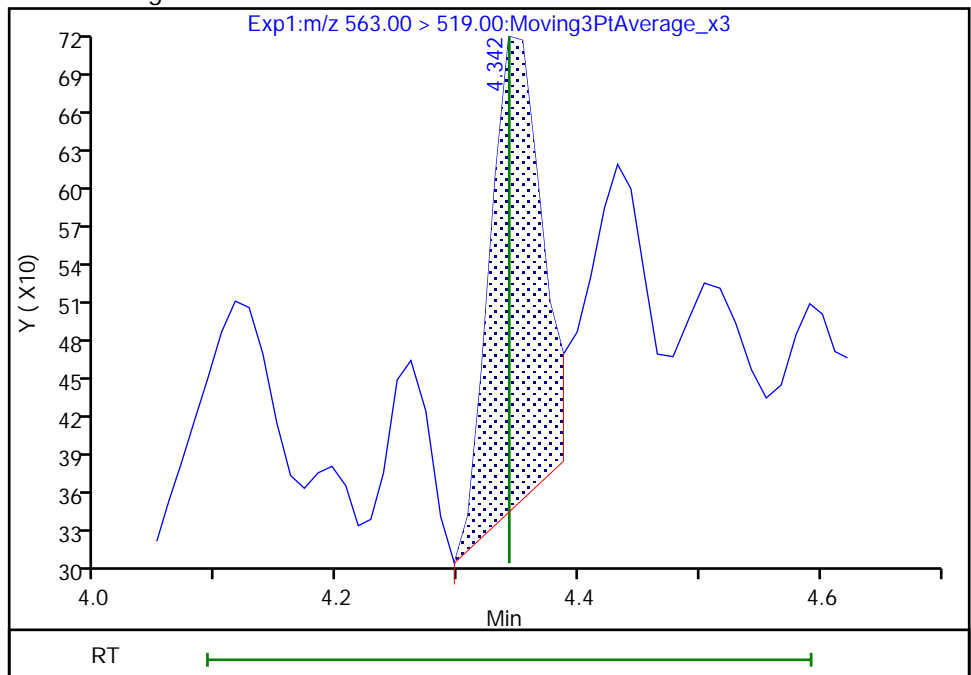
Not Detected
Expected RT: 4.34

Processing Integration Results



Manual Integration Results

RT: 4.34
Area: 1068
Amount: 0.000801
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Sep-2022 09:29:36

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

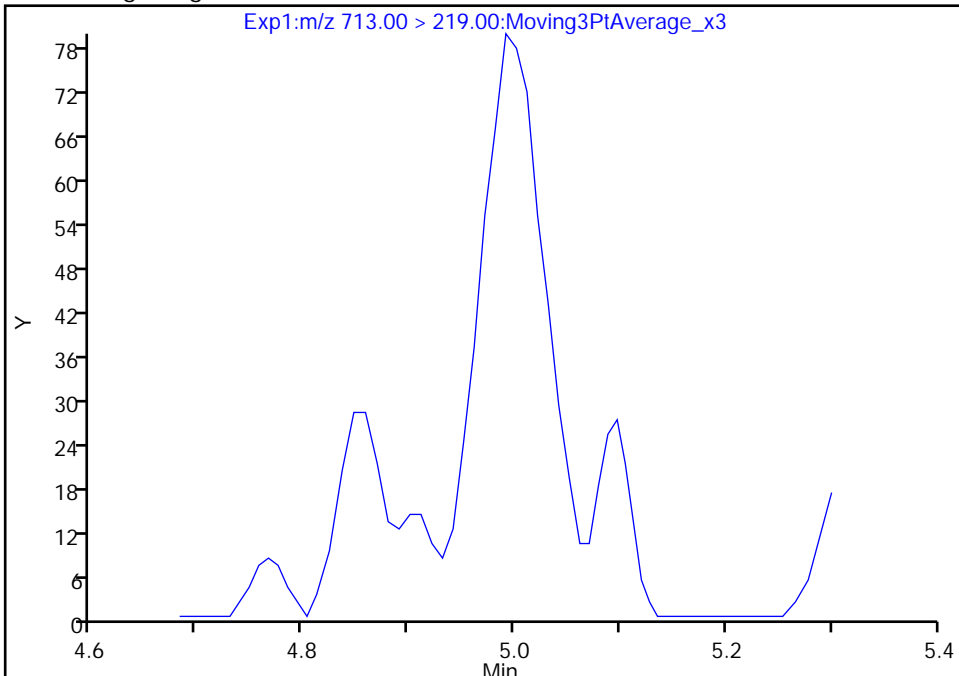
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A04.d
Injection Date: 02-Sep-2022 12:37:02 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

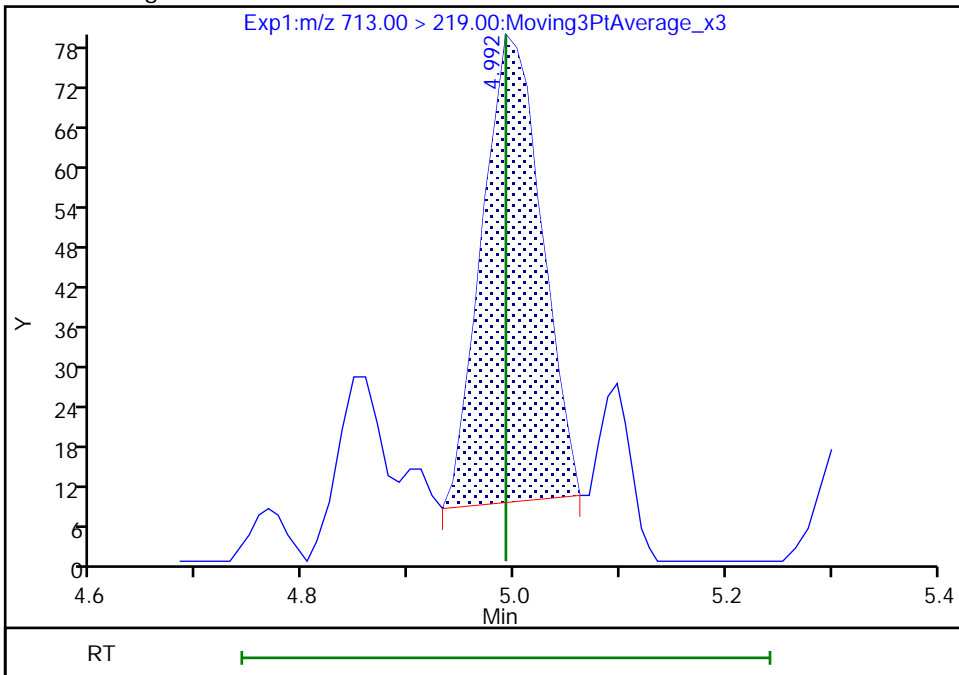
Not Detected
Expected RT: 4.99

Processing Integration Results



Manual Integration Results

RT: 4.99
Area: 277
Amount: 0.001435
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Sep-2022 09:30:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

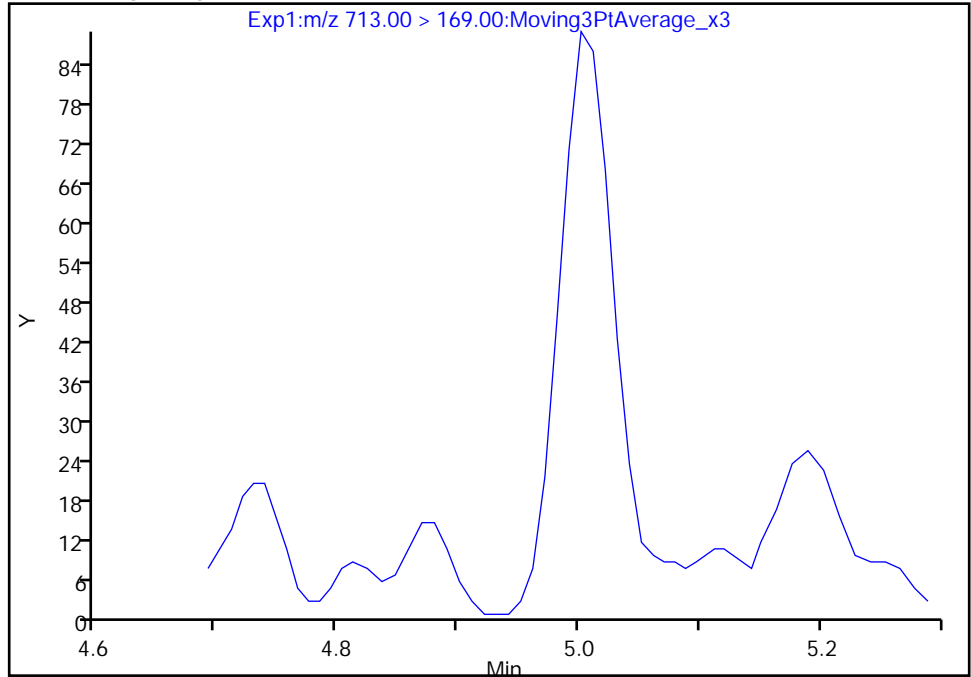
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A04.d
Injection Date: 02-Sep-2022 12:37:02 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

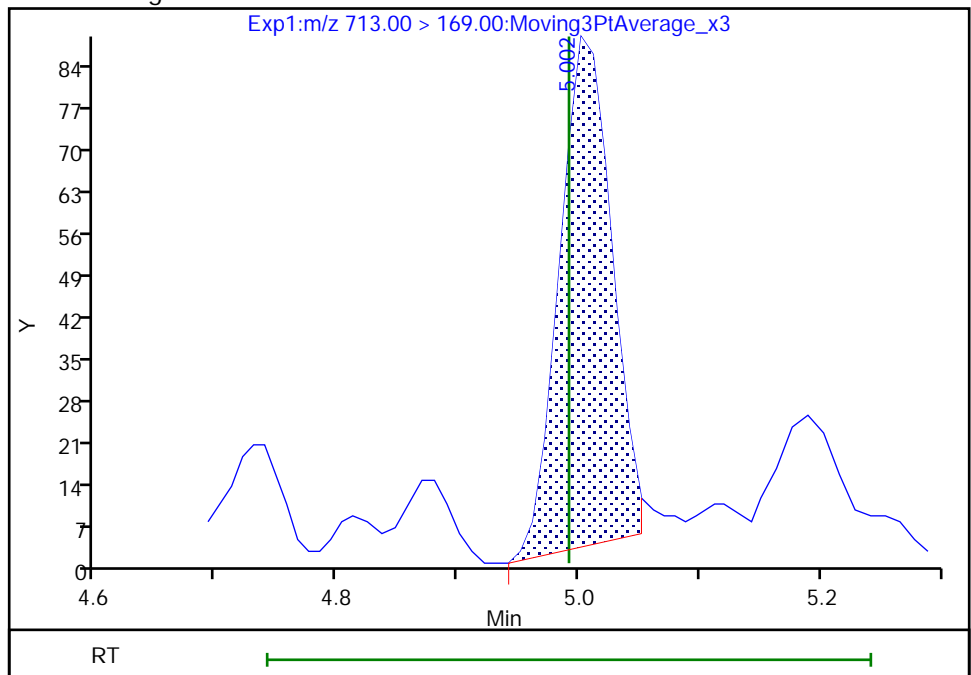
Not Detected
Expected RT: 4.99

Processing Integration Results



Manual Integration Results

RT: 5.00
Area: 259
Amount: 0.001435
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Sep-2022 09:30:22

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

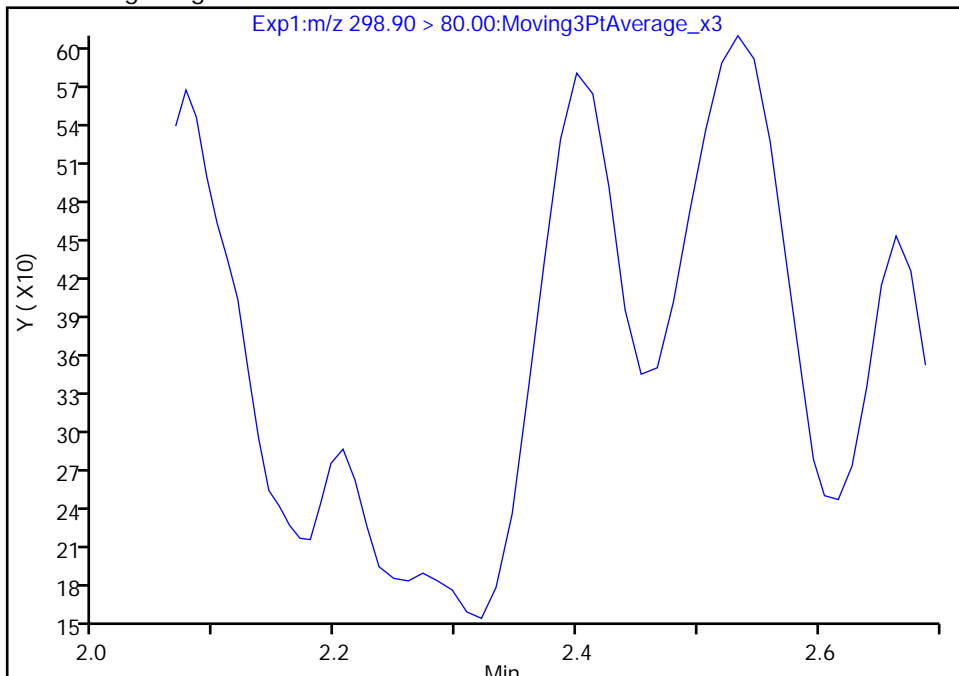
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A04.d
Injection Date: 02-Sep-2022 12:37:02 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

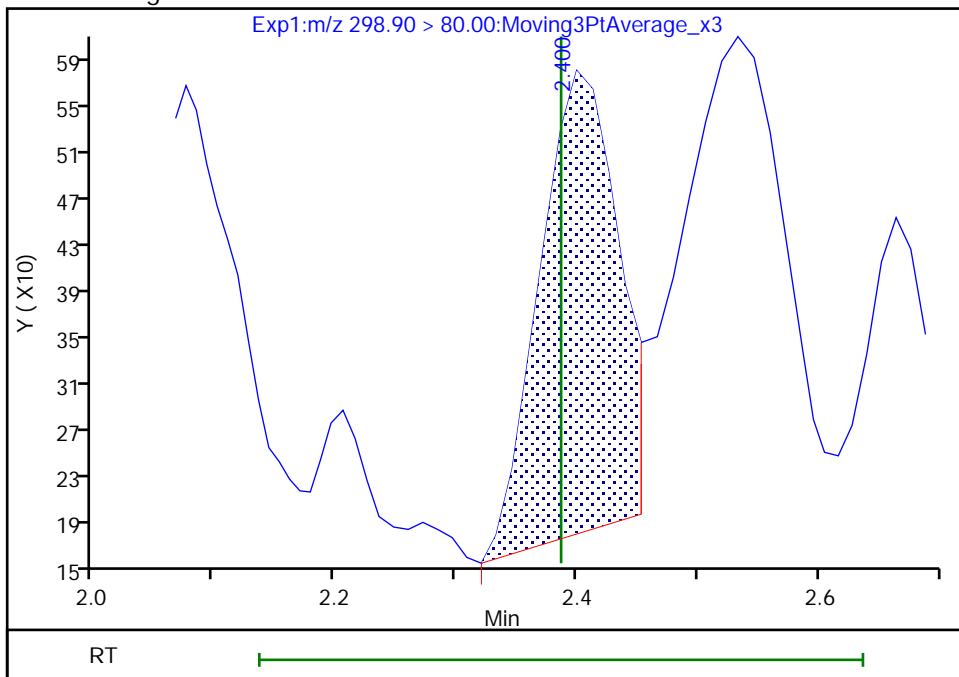
Not Detected
Expected RT: 2.39

Processing Integration Results



RT: 2.40
Area: 1776
Amount: 0.000946
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:25:17
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

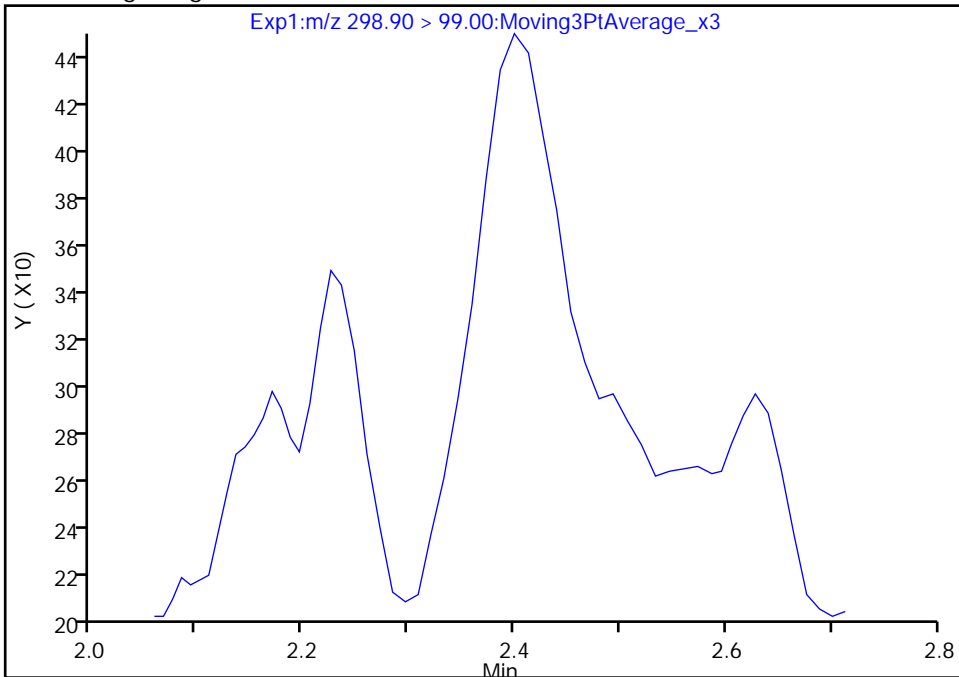
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A04.d
Injection Date: 02-Sep-2022 12:37:02 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

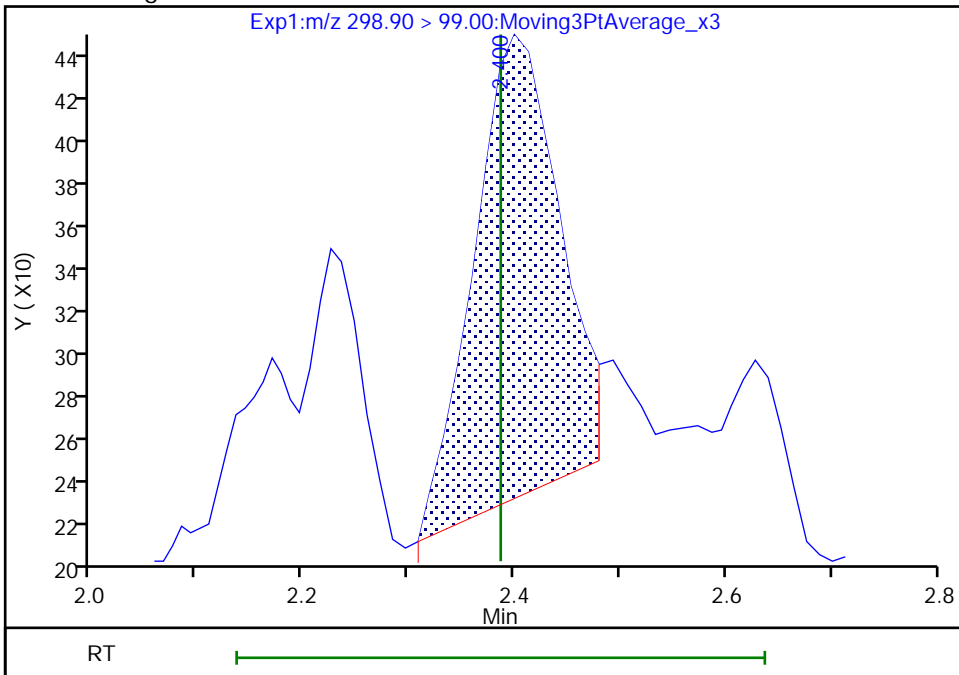
Not Detected
Expected RT: 2.39

Processing Integration Results



Manual Integration Results

RT: 2.40
Area: 1186
Amount: 0.000946
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Sep-2022 09:25:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

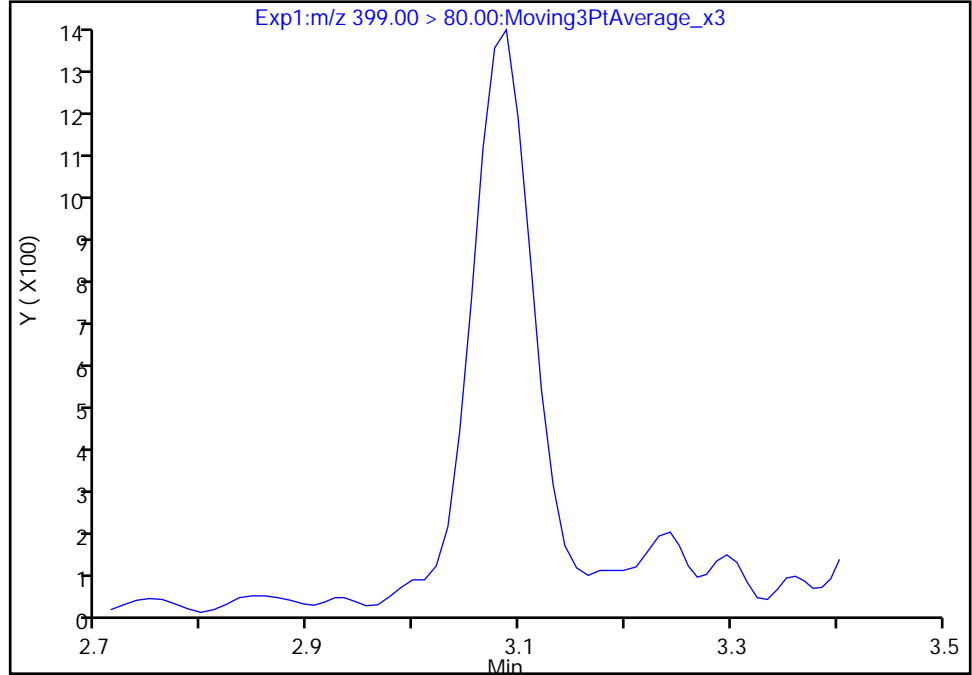
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A04.d
Injection Date: 02-Sep-2022 12:37:02 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

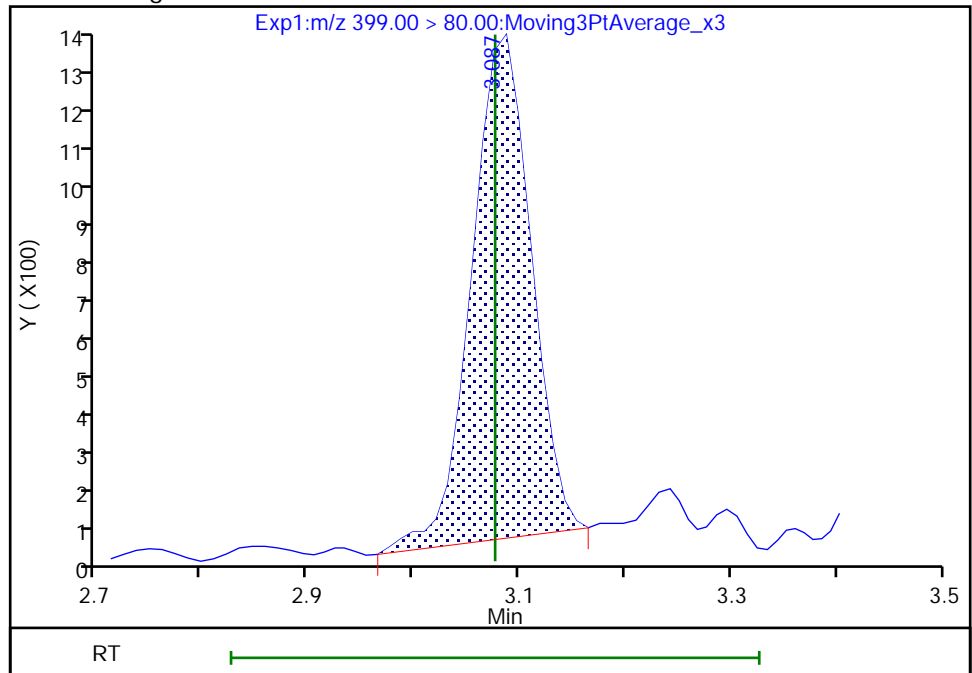
Not Detected
Expected RT: 3.08

Processing Integration Results



Manual Integration Results

RT: 3.09
Area: 4883
Amount: 0.003720
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Sep-2022 09:27:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

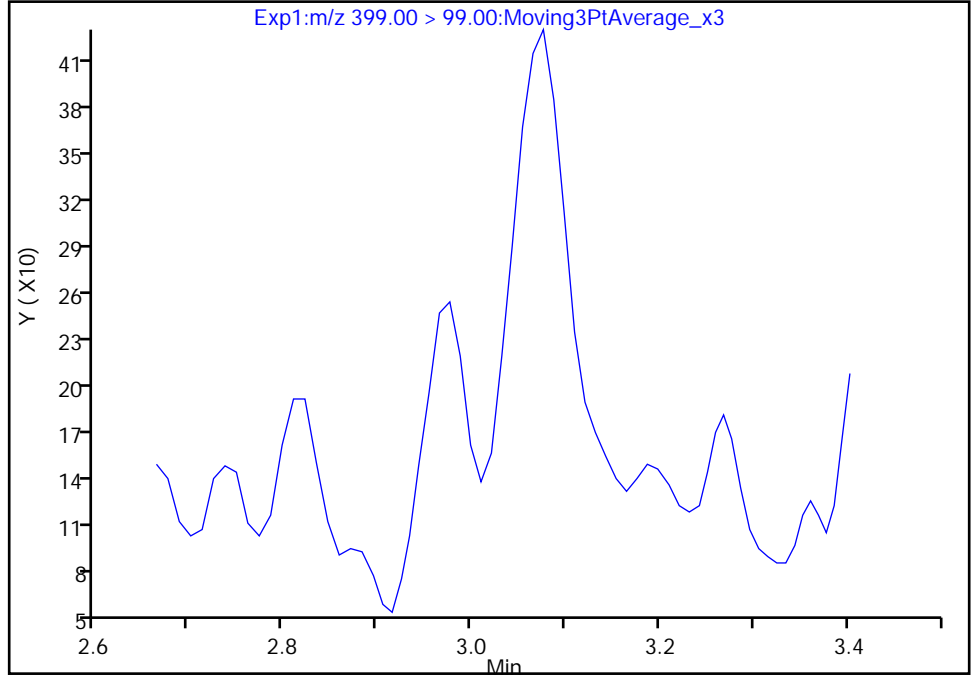
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A04.d
Injection Date: 02-Sep-2022 12:37:02 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

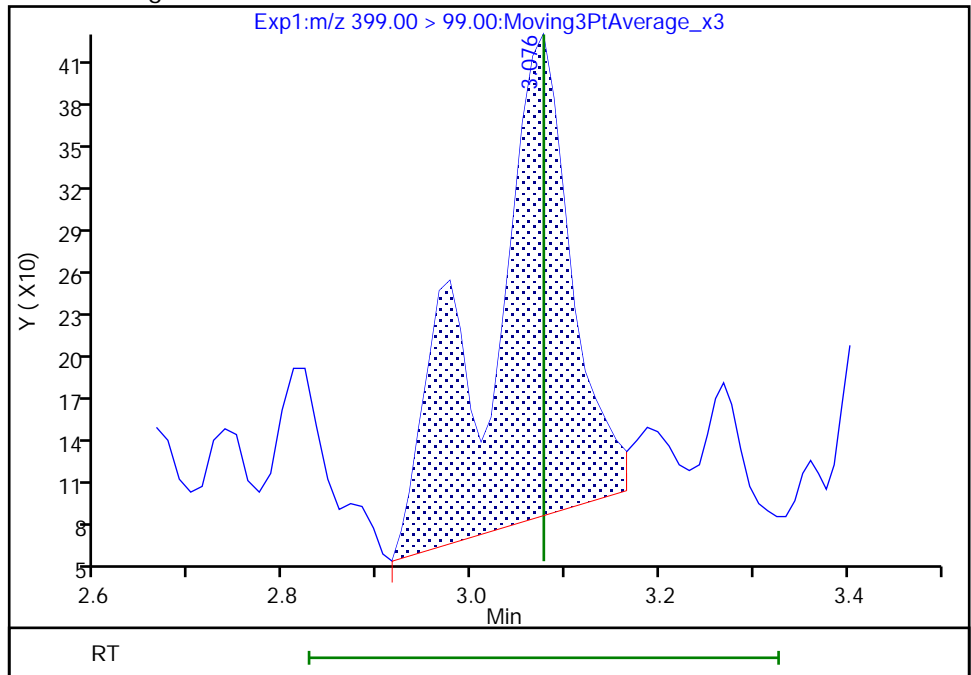
Not Detected
Expected RT: 3.08

Processing Integration Results



Manual Integration Results

RT: 3.08
Area: 2116
Amount: 0.003720
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Sep-2022 09:27:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

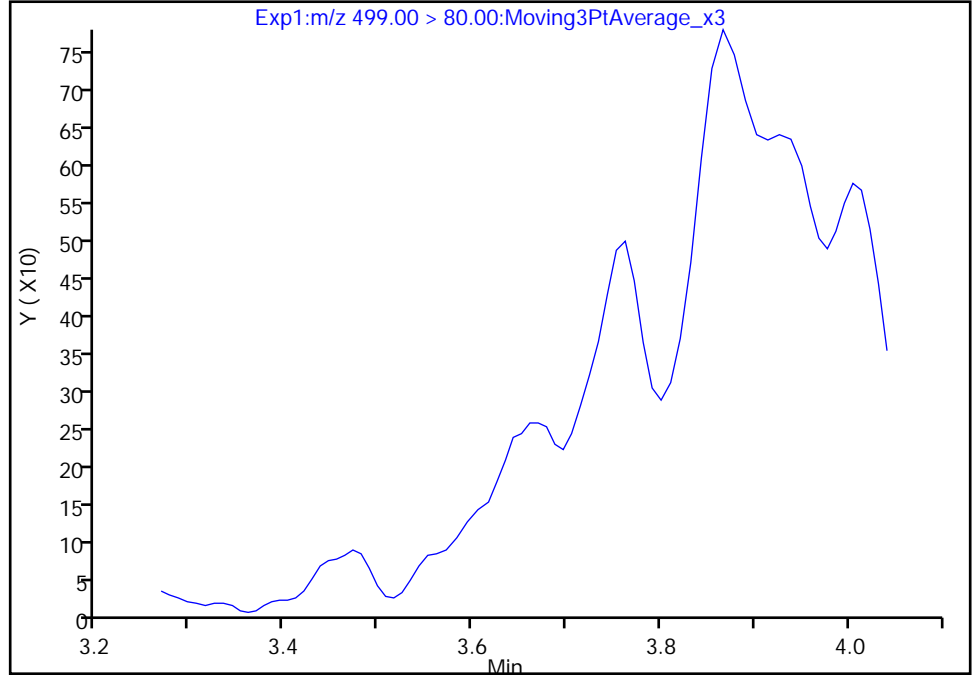
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A04.d
Injection Date: 02-Sep-2022 12:37:02 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

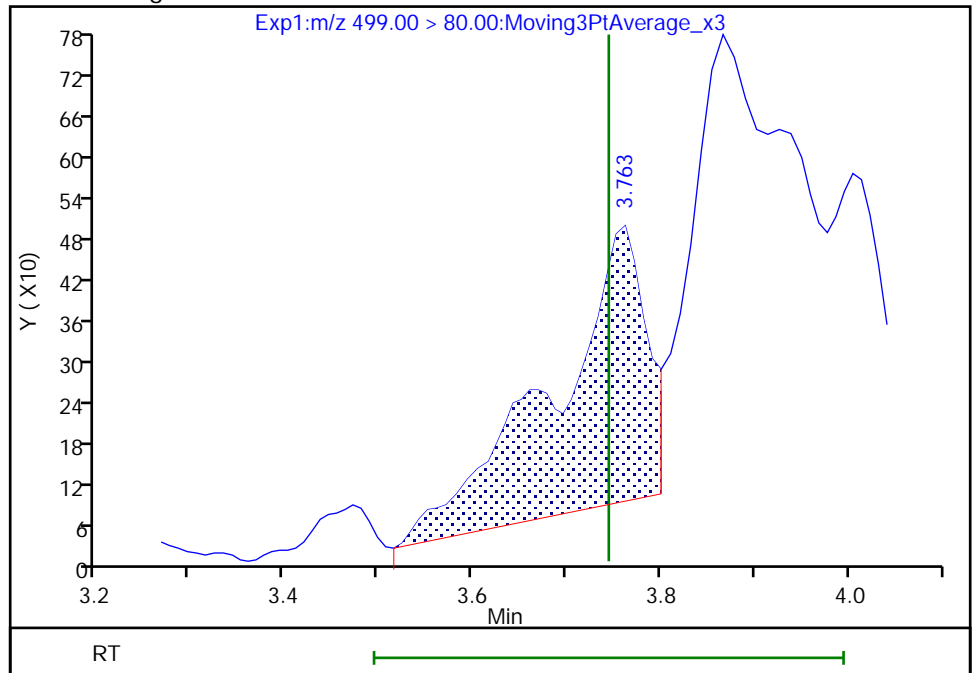
Not Detected
Expected RT: 3.74

Processing Integration Results



RT: 3.76
Area: 2771
Amount: -0.015388
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:28:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

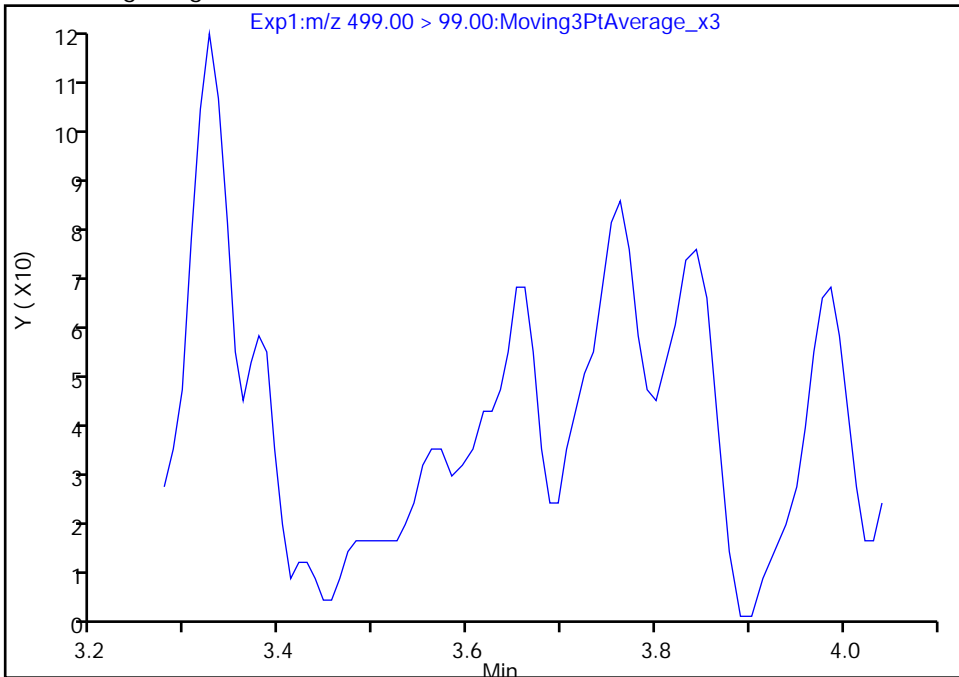
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A04.d
Injection Date: 02-Sep-2022 12:37:02 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

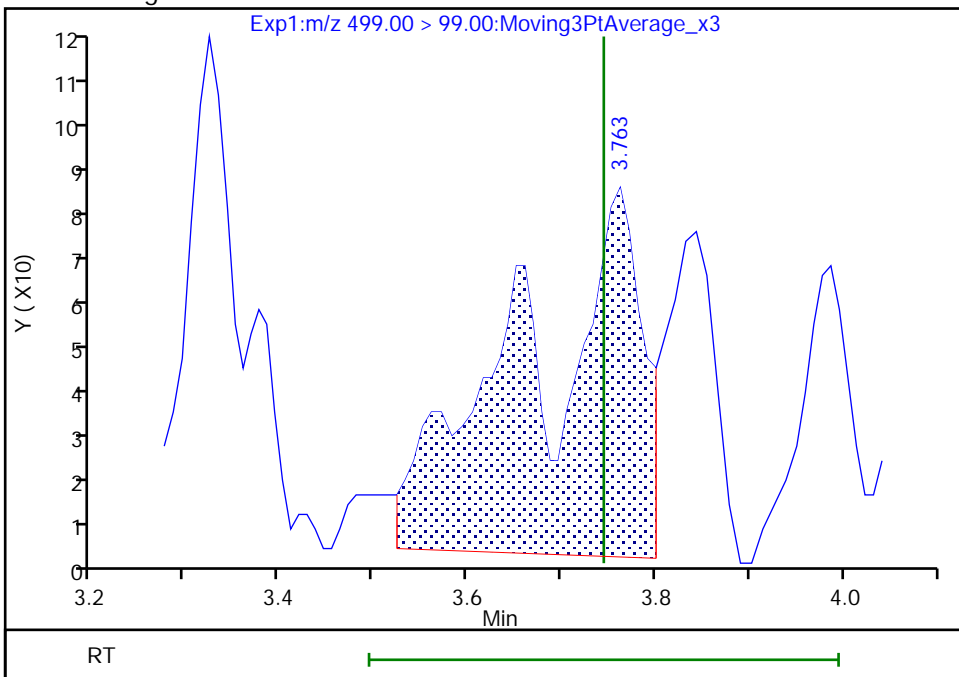
Not Detected
Expected RT: 3.74

Processing Integration Results



Manual Integration Results

RT: 3.76
Area: 641
Amount: -0.015388
Amount Units: ng/ml



Eurofins Burlington

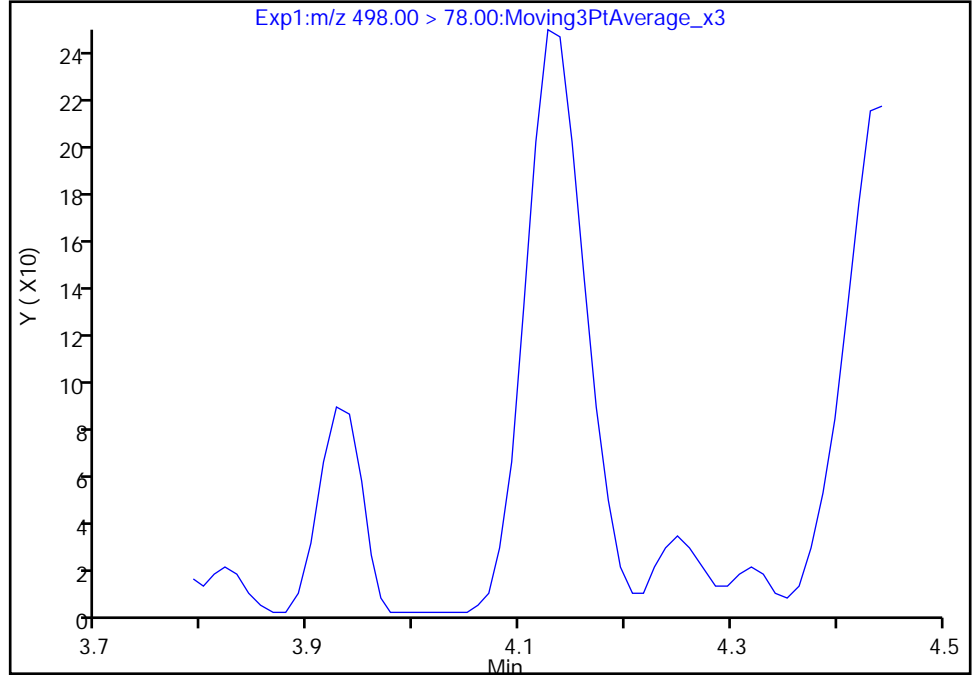
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A04.d
Injection Date: 02-Sep-2022 12:37:02 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

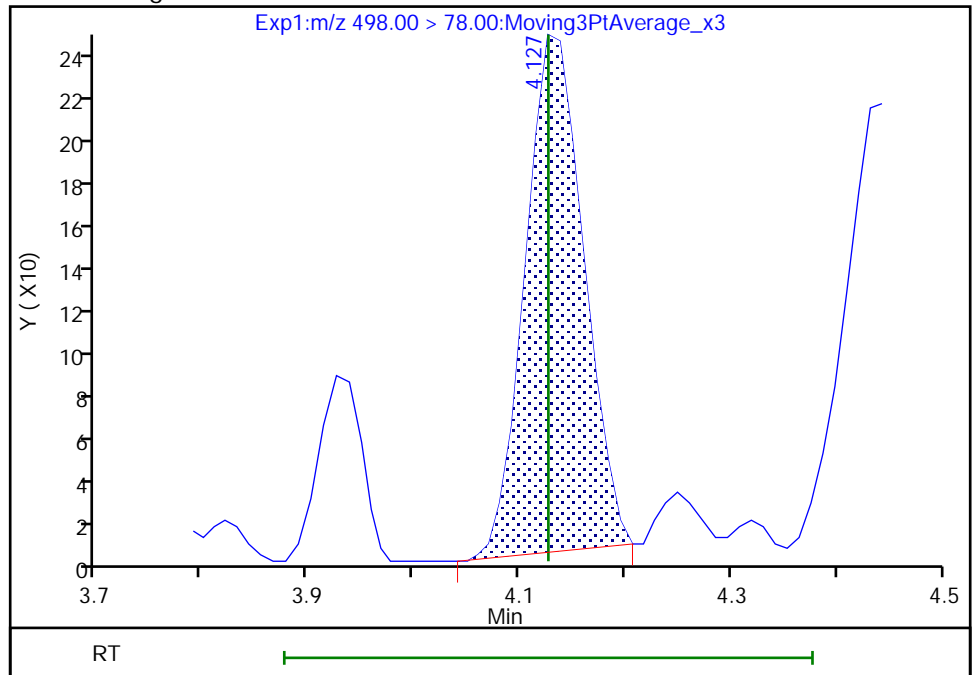
Not Detected
Expected RT: 4.13

Processing Integration Results



RT: 4.13
Area: 921
Amount: 0.000627
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:29:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

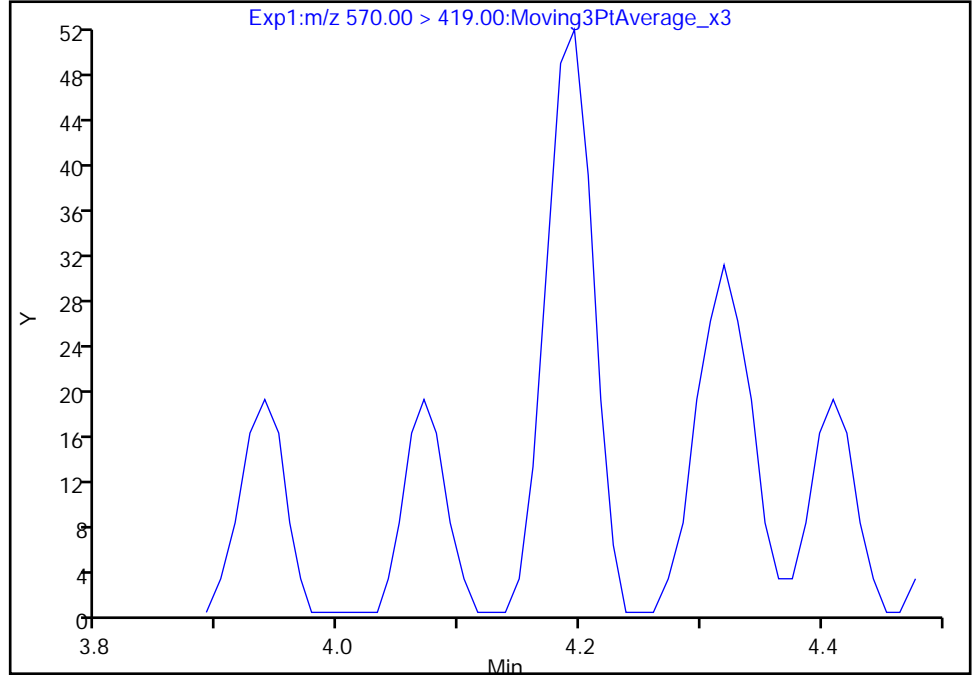
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A04.d
Injection Date: 02-Sep-2022 12:37:02 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

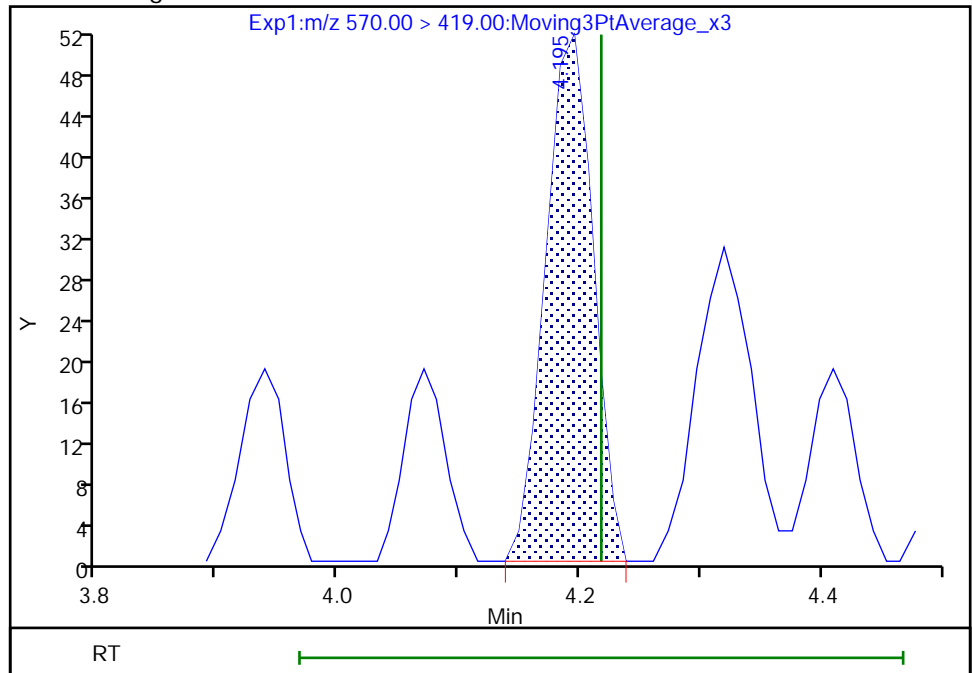
Not Detected
Expected RT: 4.22

Processing Integration Results



Manual Integration Results

RT: 4.20
Area: 142
Amount: 0.000641
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Sep-2022 09:29:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

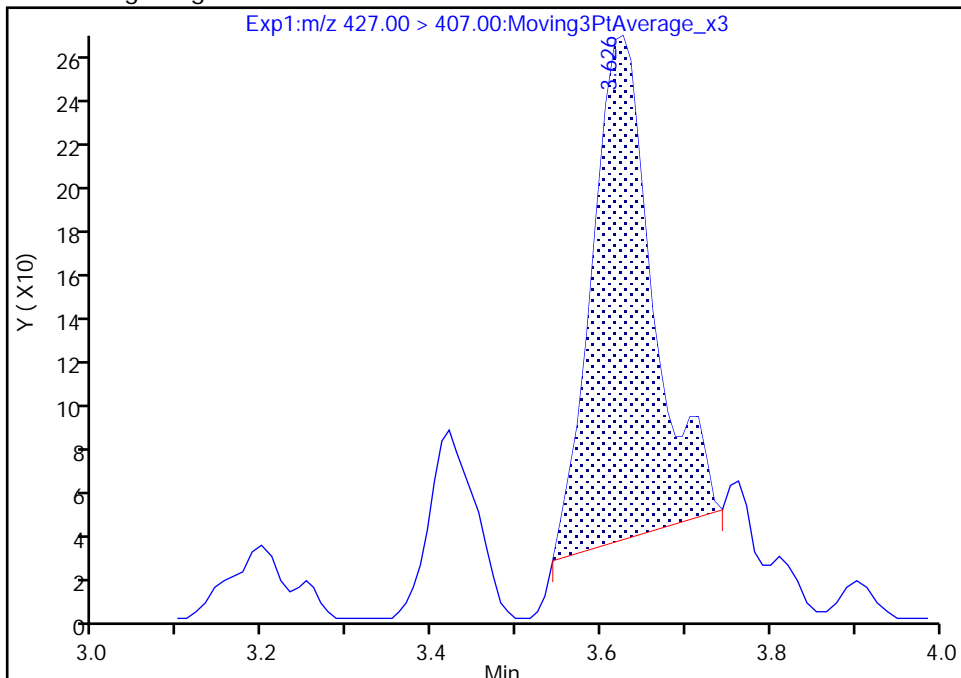
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A04.d
Injection Date: 02-Sep-2022 12:37:02 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

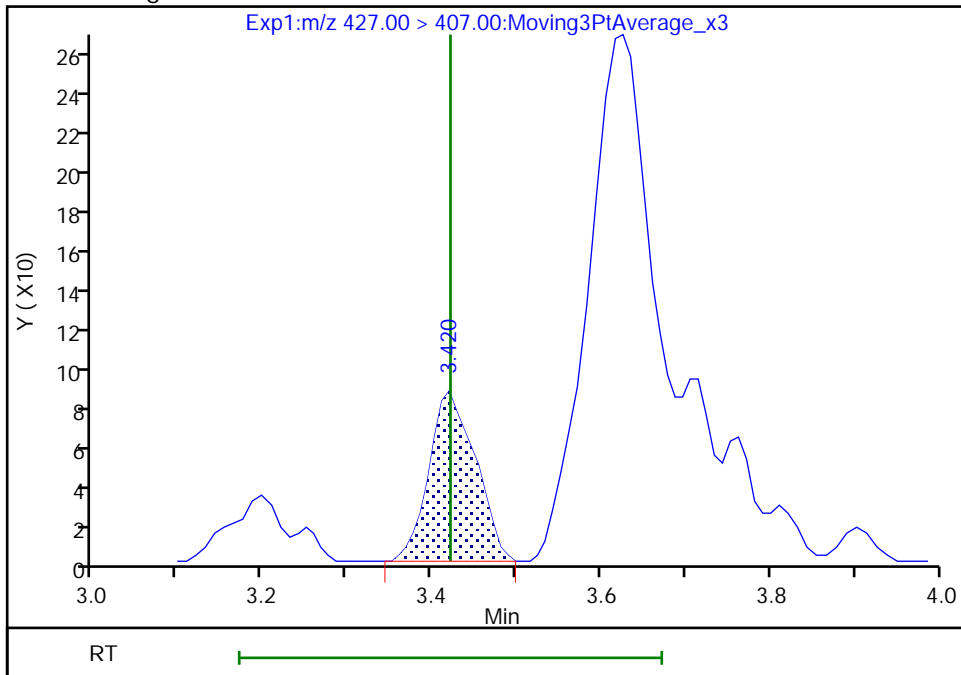
RT: 3.63
Area: 1139
Amount: -0.013269
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 323
Amount: -0.015805
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:27:39
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

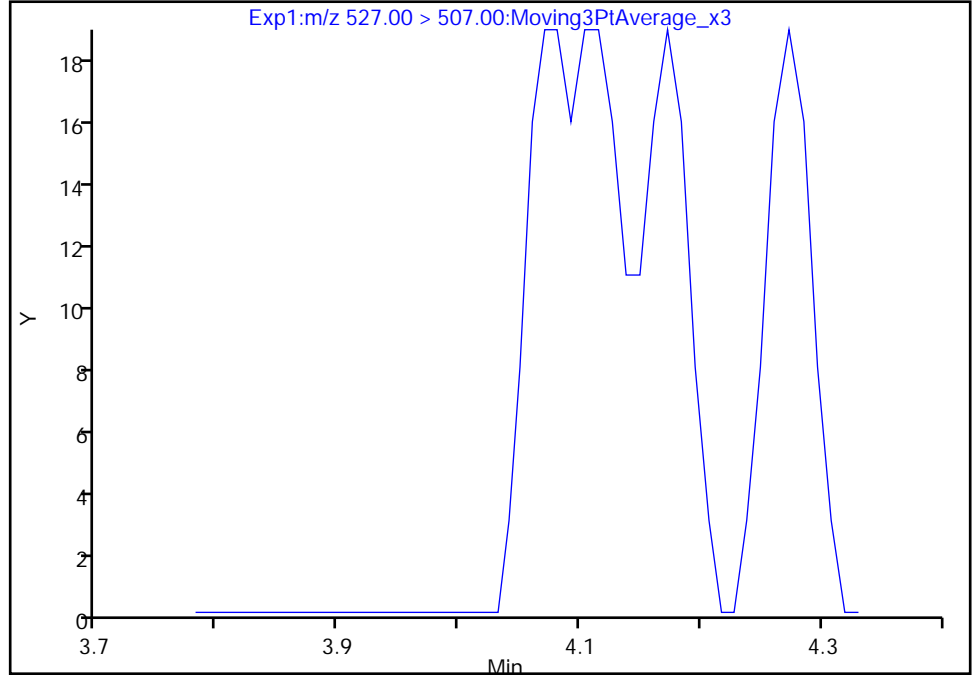
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A04.d
Injection Date: 02-Sep-2022 12:37:02 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

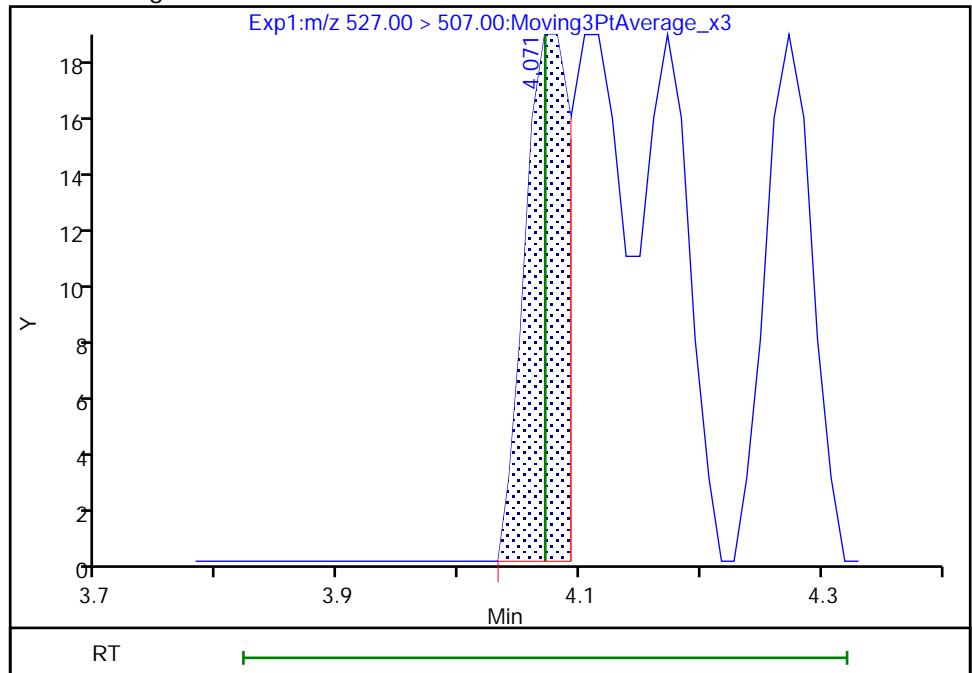
Not Detected
Expected RT: 4.07

Processing Integration Results



Manual Integration Results

RT: 4.07
Area: 45
Amount: 0.000167
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Sep-2022 09:29:07
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

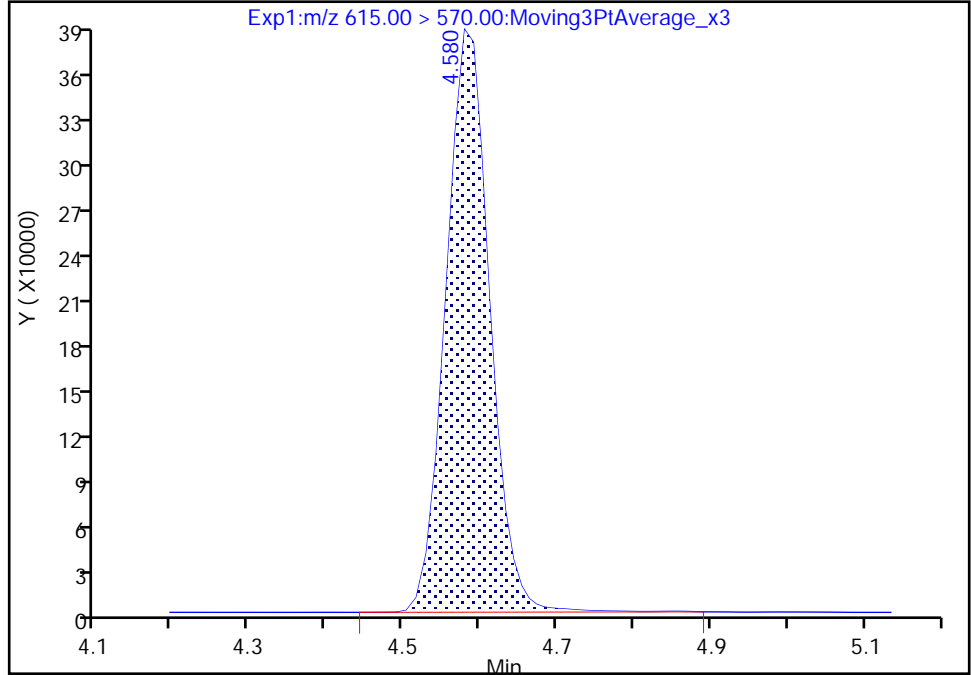
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A04.d
Injection Date: 02-Sep-2022 12:37:02 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 36 13C2 PFD_oA, CAS: STL00998
Signal: 1

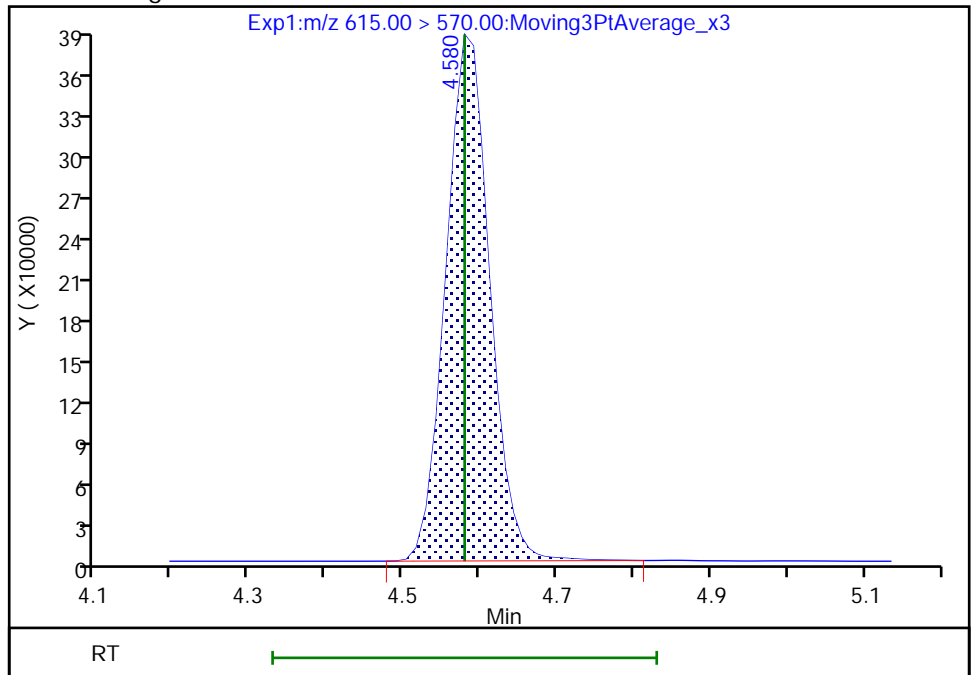
RT: 4.58
Area: 1533757
Amount: 1.283647
Amount Units: ng/ml

Processing Integration Results



RT: 4.58
Area: 1529919
Amount: 1.280435
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:24:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

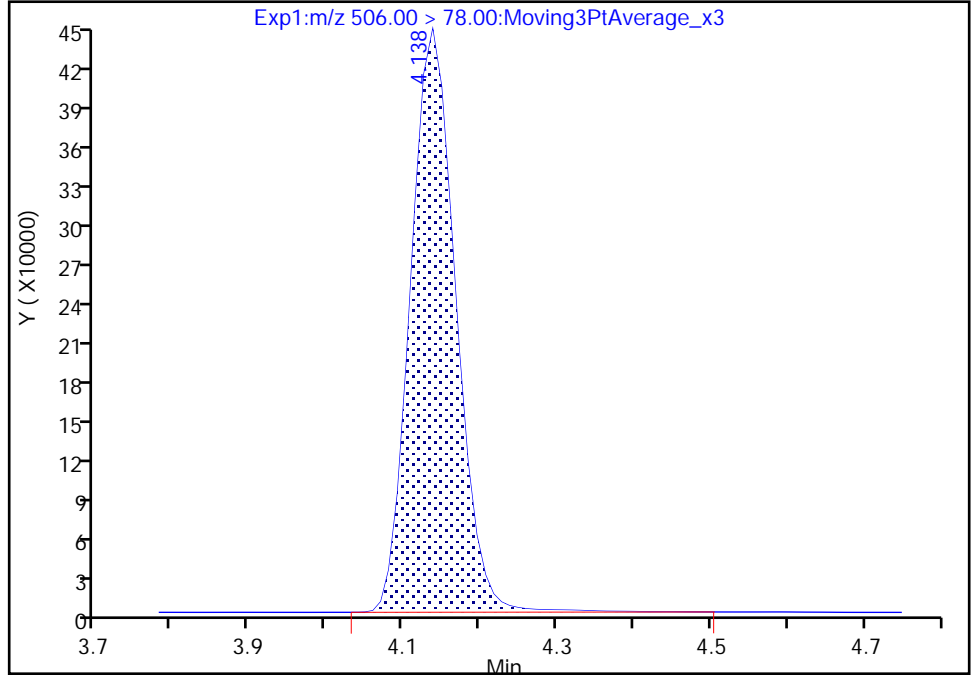
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A04.d
Injection Date: 02-Sep-2022 12:37:02 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 21 13C8 FOSA, CAS: STL01056
Signal: 1

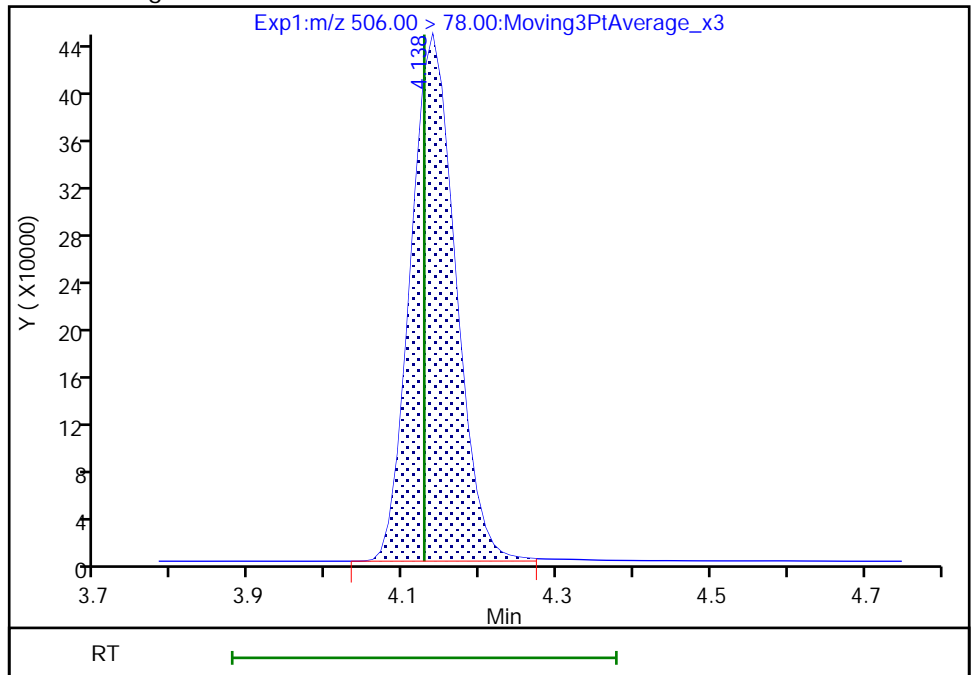
RT: 4.14
Area: 1809734
Amount: 1.358718
Amount Units: ng/ml

Processing Integration Results



RT: 4.14
Area: 1800636
Amount: 1.351888
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:23:51
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

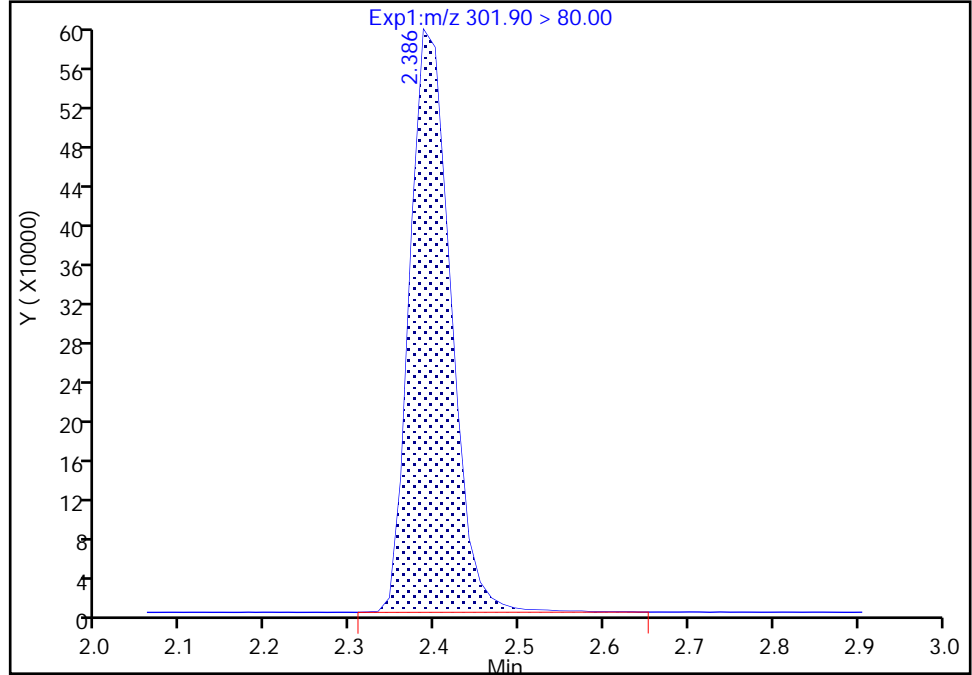
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52315.b\PA220902A04.d
Injection Date: 02-Sep-2022 12:37:02 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

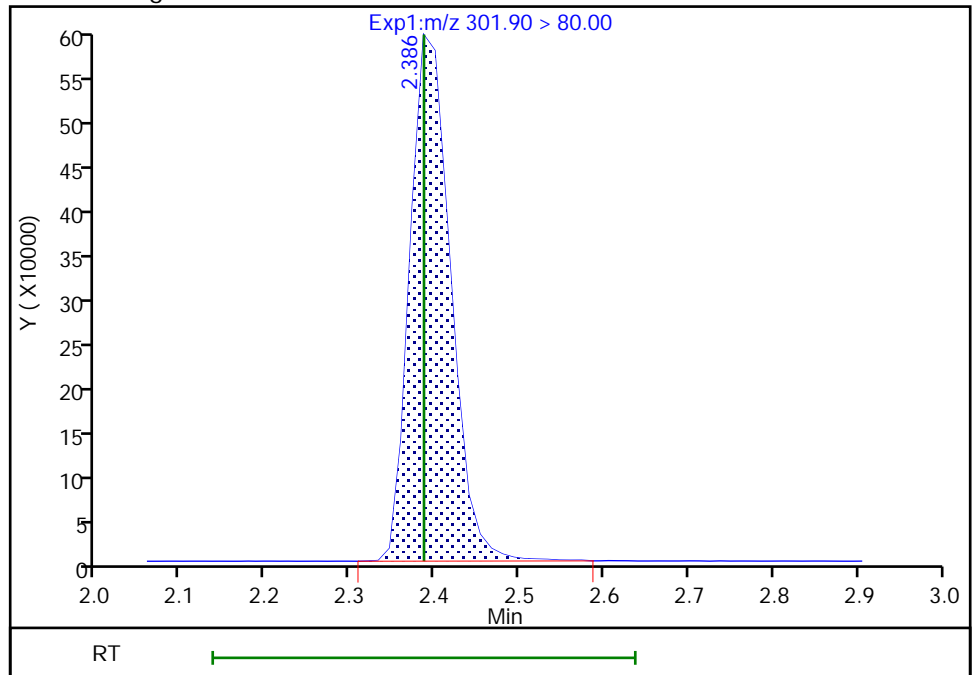
RT: 2.39
Area: 1980680
Amount: 1.205987
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 1978184
Amount: 1.204467
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 05-Sep-2022 09:23:24
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-264366-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: ICB 200-182319/11
 Matrix: Solid Lab File ID: PA220803ICAL11.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 08/03/2022 13:49
 Con. Extract Vol.: _____ 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.: 182319 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)	0.0213	J	0.050	0.017
307-24-4	Perfluorohexanoic acid (PFHxA)	0.0195	J	0.050	0.016
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.0178	J	0.050	0.014
335-67-1	Perfluorooctanoic acid (PFOA)	0.0190	J	0.050	0.019
375-95-1	Perfluorononanoic acid (PFNA)	0.0181	J	0.050	0.012
335-76-2	Perfluorodecanoic acid (PFDA)	0.0182	J	0.050	0.012
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.0176	J	0.050	0.014
307-55-1	Perfluorododecanoic acid (PFDoA)	0.0172	J	0.050	0.012
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.0169	J	0.050	0.012
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.050	U	0.050	0.016
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.0171	J	0.050	0.016
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.0182	J	0.050	0.014
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.0155	J	0.050	0.010
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.050	U	0.050	0.021
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.0146	J	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.: 460-264366-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: ICB 200-182319/11
 Matrix: Solid Lab File ID: PA220803ICAL11.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1(mL) Date Analyzed: 08/03/2022 13:49
 Con. Extract Vol.: _____ 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.: 182319 Units: ng/mL

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	103		50-150
STL01892	13C4 PFHpA	100		50-150
STL00990	13C4 PFOA	101		50-150
STL00991	13C4 PFOS	100		50-150
STL00995	13C5 PFNA	102		50-150
STL00992	13C4 PFBA	97		50-150
STL00993	13C2 PFHxA	101		50-150
STL00996	13C2 PFDA	98		50-150
STL00997	13C2 PFUnA	102		50-150
STL00998	13C2 PFDoA	101		50-150
STL01056	13C8 FOSA	101		50-150
STL01893	13C5 PFPeA	100		50-150
STL02116	13C2 PFTeDA	102		50-150
STL02118	d3-NMeFOSAA	97		50-150
STL02117	d5-NEtFOSAA	95		50-150
STL02279	M2-6:2 FTS	98		50-150
STL02280	M2-8:2 FTS	102		50-150
STL02337	13C3 PFBS	98		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
 Lims ID: ICB
 Client ID:
 Sample Type: ICB
 Inject. Date: 03-Aug-2022 13:49:21 ALS Bottle#: 8 Worklist Smp#: 11
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: ICB
 Misc. Info.: 200-0051940-011 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 03-Aug-2022 15:44:46 Calib Date: 03-Aug-2022 13:41:11
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1631

First Level Reviewer: Z1IP Date: 03-Aug-2022 15:20:41
 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	2.085	-0.009	0.596	1960887	1.21		96.6	8553	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.085	0.0	1.004	37837	0.0249			5.3	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.400	0.0	0.689	1563848	1.25		100	3157	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.400	2.400	0.0	1.000	27445	0.0213			1.1	M
D 47 13C3 PFBS										
301.90 > 80.00	2.413	2.413	0.0	0.693	1639804	1.14		97.6	259327	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.413	2.413	0.0	1.000	26605	0.0171	Target=2.23		30.8	
298.90 > 99.00	2.413	2.413	0.0	1.000	12052		2.21(1.11-3.34)		12.1	
D 60 M2-4:2 FTS										
329.00 > 81.00	2.713	2.713	0.0	0.779	141715	1.14		97.6	151	
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.713	2.713	0.0	1.000	6501	0.0225			94.9	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.750	2.750	0.0	1.000	25612	0.0195	Target=12.24		6.3	
313.00 > 119.00	2.737	2.750	-0.013	0.996	2831		9.05(6.12-18.36)		5.7	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.750	2.750	0.0	0.790	1571063	1.26		101	2511	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.750	2.762	-0.012	0.881	21886	0.0161	Target=2.95		42.2	M
349.00 > 99.00	2.750	2.762	-0.012	0.881	6559		3.34(1.48-4.43)		15.9	
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.859	2.859	0.0	1.000	4624	0.0189			101	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	2.859	2.859	0.0	0.821	283933	1.21		96.8	1991	
D 9 13C4 PFHpA										
367.00 > 322.00	3.121	3.121	0.0	0.896	1622206	1.25		100	2544	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.121	3.121	0.0	1.000	23834	0.0178	Target=3.73	8.3		M
363.00 > 169.00	3.121	3.121	0.0	1.000	7057		3.38(1.86-5.59)	14.1		M
D 11 18O2 PFHxS										M
403.00 > 84.00	3.121	3.121	0.0	0.896	1243333	1.22		103	2264	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.121	3.121	0.0	1.000	21122	0.0182	Target=3.43	55.7		M
399.00 > 99.00	3.121	3.121	0.0	1.000	7292		2.90(1.72-5.15)	11.4		M
77 DONA										M
377.00 > 251.00	3.165	3.165	0.0	0.835	57704	0.0185	Target=2.84	108		M
377.00 > 85.00	3.154	3.165	-0.011	0.832	21390		2.70(1.42-4.26)	40.2		M
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.465	3.474	-0.009	0.995	197884	1.16		98.0	383	M
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.474	3.474	0.0	1.003	4816	0.003025		25.3		M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.465	3.474	-0.009	0.914	14529	0.0155	Target=4.89	58.3		M
449.00 > 99.00	3.465	3.474	-0.009	0.914	3074		4.73(2.44-7.33)	21.8		M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.482	3.482	0.0	1.003	28487	0.0190	Target=2.67	3.6		M
413.00 > 169.00	3.474	3.482	-0.008	1.000	10359		2.75(1.34-4.01)	26.5		M
D 14 13C4 PFOA										M
417.00 > 372.00	3.474	3.482	-0.008	0.998	1670098	1.26		101	1612	M
* 62 13C2 PFOA										
415.00 > 370.00	3.482	3.482	0.0		1738669	1.25			3372	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.802	3.802	0.0	1.003	15622	0.002237	Target=4.88	9.2		M
499.00 > 99.00	3.792	3.802	-0.010	1.000	4033		3.87(2.44-7.32)	18.4		M
D 18 13C4 PFOS										
503.00 > 80.00	3.792	3.802	-0.010	1.089	905982	1.19		99.9	2598	
D 19 13C5 PFNA										M
468.00 > 423.00	3.812	3.822	-0.010	1.095	1749304	1.27		102	2502	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.812	3.822	-0.010	1.000	25725	0.0181	Target=8.23	9.1		
463.00 > 169.00	3.822	3.822	0.0	1.003	3194		8.05(4.11-12.34)	35.8		
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.960	3.969	-0.009	1.044	19538	0.0146		95.0		M
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.093	4.093	0.0	1.079	9075	0.0153	Target=2.53	100		M
549.00 > 99.00	4.093	4.093	0.0	1.079	3725		2.44(1.26-3.79)	23.9		M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.127	4.127	0.0	1.000	3981	0.0198		56.5		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	4.127	4.127	0.0	1.003	25196	0.0182	Target=9.67	19.2		
513.00 > 169.00	4.127	4.127	0.0	1.003	2606		9.67(4.83-14.50)	14.3		
D 23 13C2 PFDA										
515.00 > 470.00	4.115	4.127	-0.012	1.182	1648156	1.23		98.5	1543	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.127	4.138	-0.011	1.185	248840	1.22		102	1063	
D 21 13C8 FOSA										
506.00 > 78.00	4.173	4.173	0.0	1.198	1474899	1.26		101	1473	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.173	4.173	0.0	1.000	21149	0.0176		47.9		M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.273	4.273	0.0	1.003	4635	0.0298		16.2		M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.261	4.273	-0.012	1.224	218608	1.22		97.5	1389	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.365	4.365	0.0	1.151	6455	0.0146	Target=2.80	58.1		
599.00 > 99.00	4.365	4.365	0.0	1.151	3067		2.10(1.40-4.20)	42.0		M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.387	4.399	-0.012	1.000	19329	0.0176	Target=9.07	16.7		
563.00 > 169.00	4.387	4.399	-0.012	1.000	1970		9.81(4.54-13.61)	23.6		M
D 30 13C2 PFUnA										
565.00 > 520.00	4.387	4.399	-0.012	1.260	1296470	1.28		102	1304	M
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.410	4.410	0.0	1.003	4914	0.0337		35.7		M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.398	4.410	-0.012	1.263	200949	1.18		94.7	895	
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.491	4.491	0.0	1.184	27547	0.0158		176		
D 36 13C2 PFDaA										
615.00 > 570.00	4.633	4.633	0.0	1.330	1325182	1.26		101	1245	M
37 Perfluorododecanoic acid										
613.00 > 569.00	4.633	4.633	0.0	1.000	18488	0.0172	Target=6.97	3.3		
613.00 > 169.00	4.633	4.633	0.0	1.000	2997		6.17(3.48-10.45)	35.3		
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.663	4.654	0.009	1.130	1467	0.0156		35.2		M
75 Perfluorododecanesulfonic acid (
699.00 > 80.00	4.813	4.813	0.0	1.269	3055	0.0156	Target=0.52	47.6		
699.00 > 99.00	4.813	4.813	0.0	1.269	4706		0.65(0.26-0.79)	112		
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.848	4.859	-0.011	1.046	15748	0.0169	Target=4.56	2.9		
663.00 > 169.00	4.859	4.859	0.0	1.049	3187		4.94(2.28-6.84)	19.5		
D 43 13C2 PFTeDA										
715.00 > 670.00	5.052	5.052	0.0	1.451	1093349	1.27		102	1776	M
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.052	5.052	0.0	1.000	2190	0.0156	Target=0.94	34.4		
713.00 > 219.00	5.052	5.052	0.0	1.000	2548		0.86(0.47-1.41)	27.0		

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	5.422	5.422	0.0	1.557	1220279	1.25		99.7	1821	M
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.422	5.422	0.0	1.000	24760	0.007597	Target=4.38		5.7	
813.00 > 169.00	5.422	5.422	0.0	1.000	5063		4.89(2.19-6.57)		47.7	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.777	5.786	-0.009	1.065	12414	0.0191	Target=4.31		3.7	
913.00 > 169.00	5.777	5.786	-0.009	1.065	2904		4.27(2.16-6.47)		25.0	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCBLK20_00021

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d

Injection Date: 03-Aug-2022 13:49:21

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

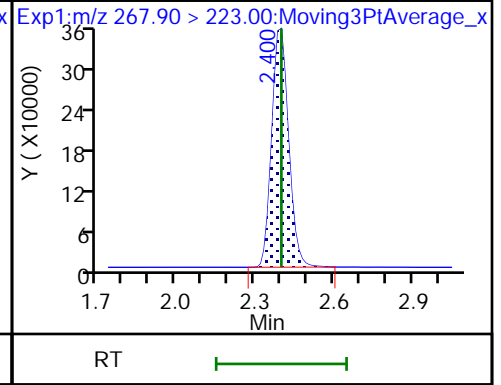
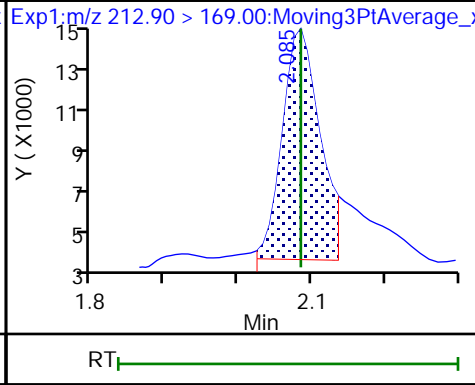
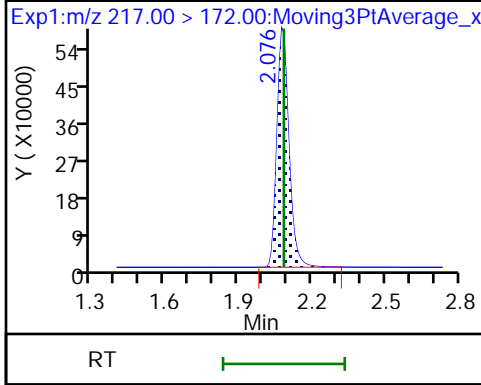
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA (M)

2 Perfluorobutanoic acid (M)

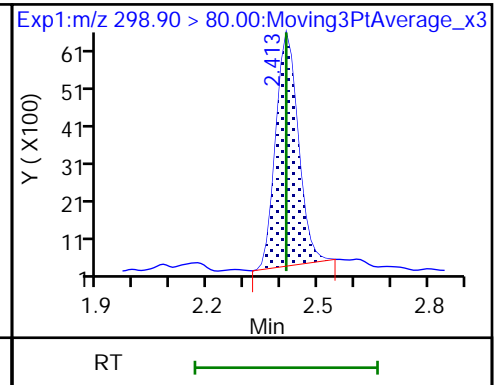
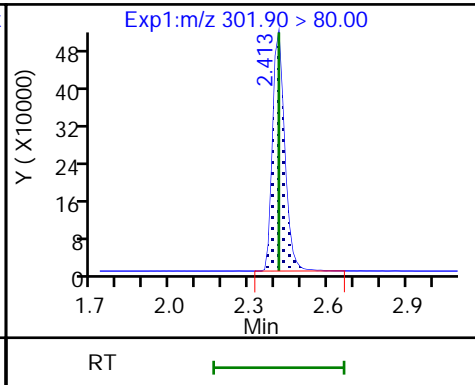
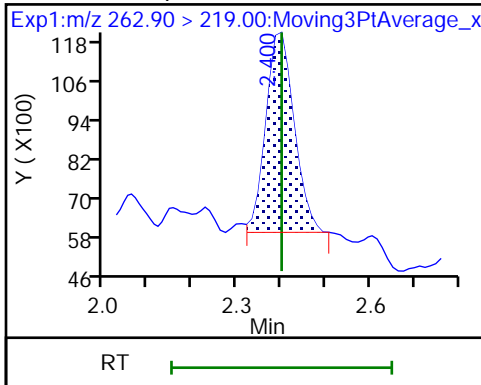
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS

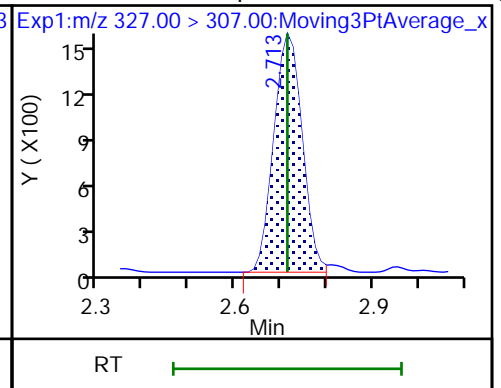
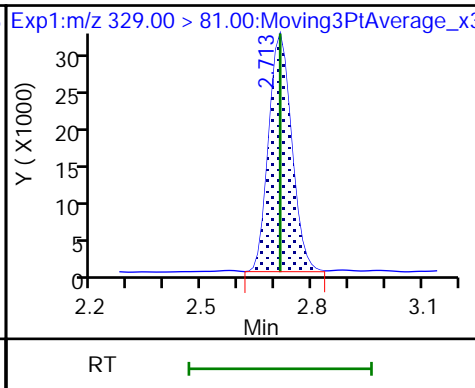
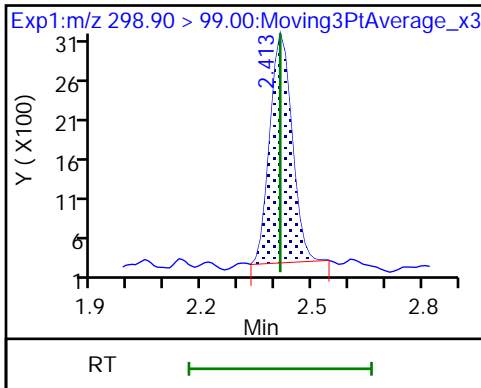
5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid

D 60 M2-4:2 FTS

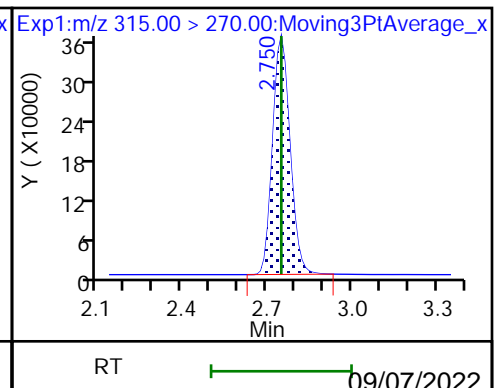
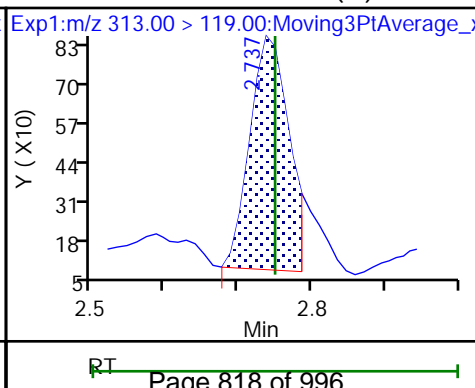
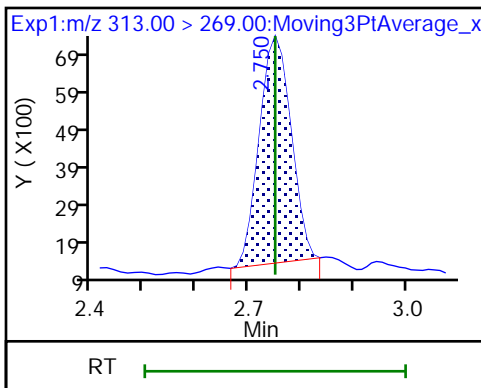
61 1H,1H,2H,2H-perfluorohexanesulfo (M)

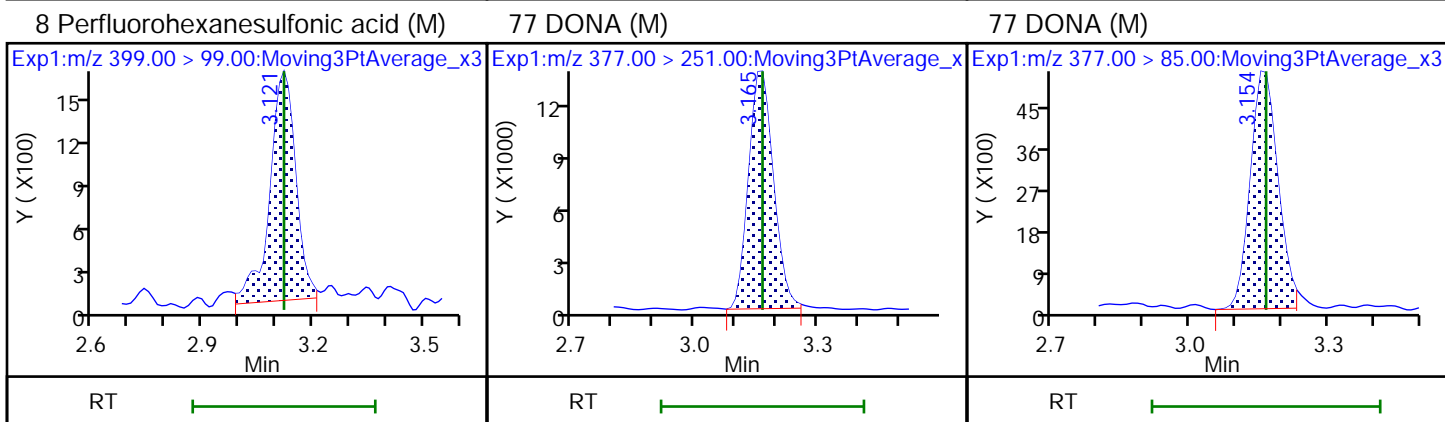
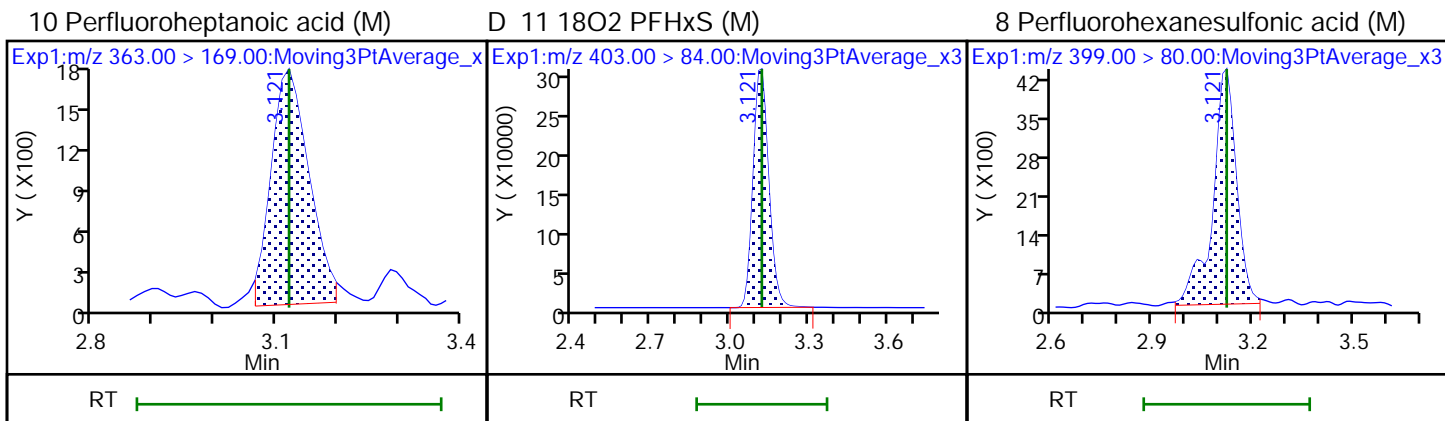
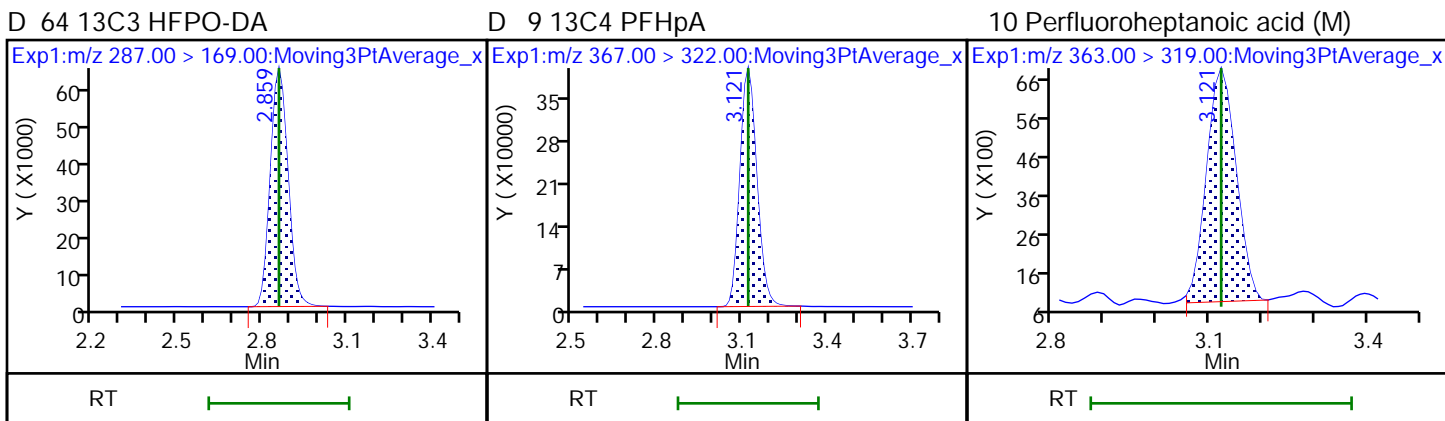
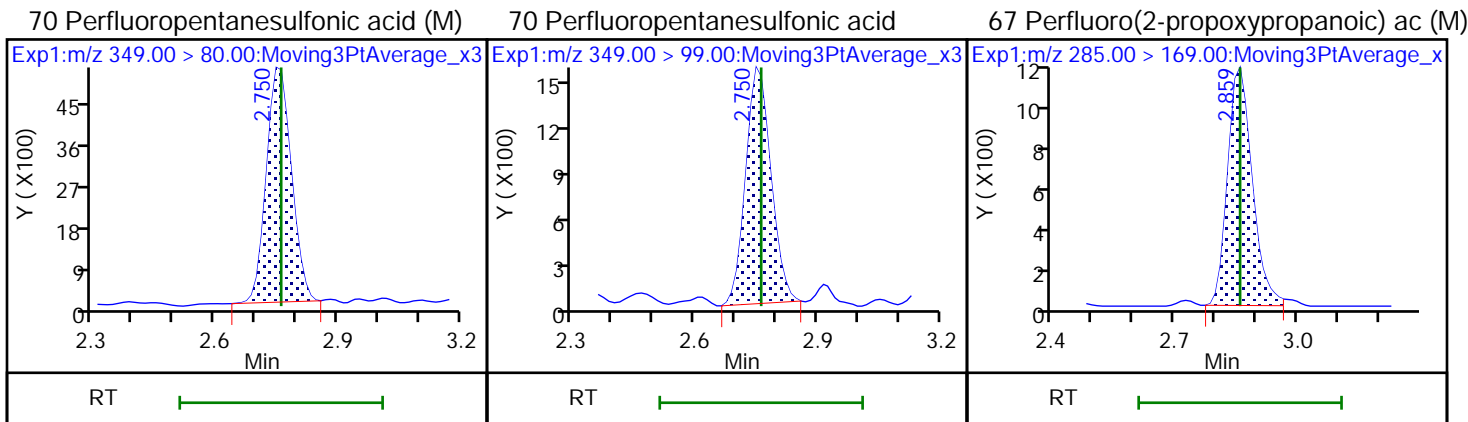


6 Perfluorohexanoic acid

6 Perfluorohexanoic acid (M)

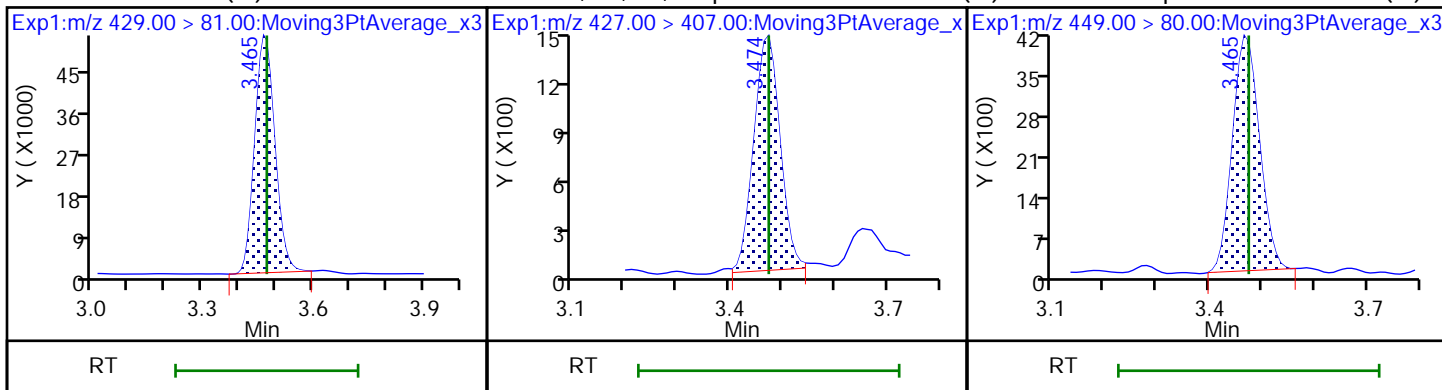
D 7 13C2 PFHxA





D 12 M2-6:2 FTS (M)

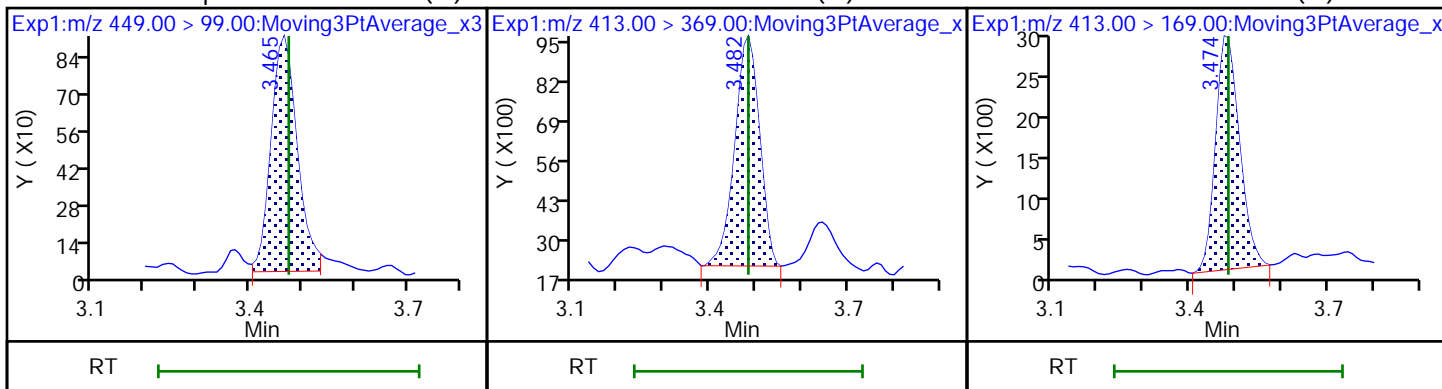
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 6 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

15 Perfluorooctanoic acid (M)

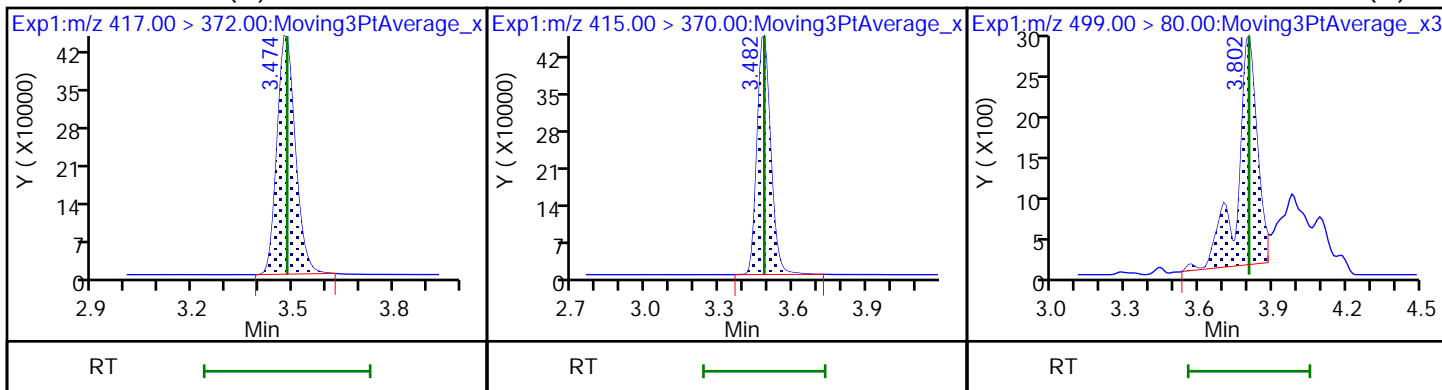
15 Perfluorooctanoic acid (M)



D 14 13C4 PFOA (M)

* 62 13C2 PFOA

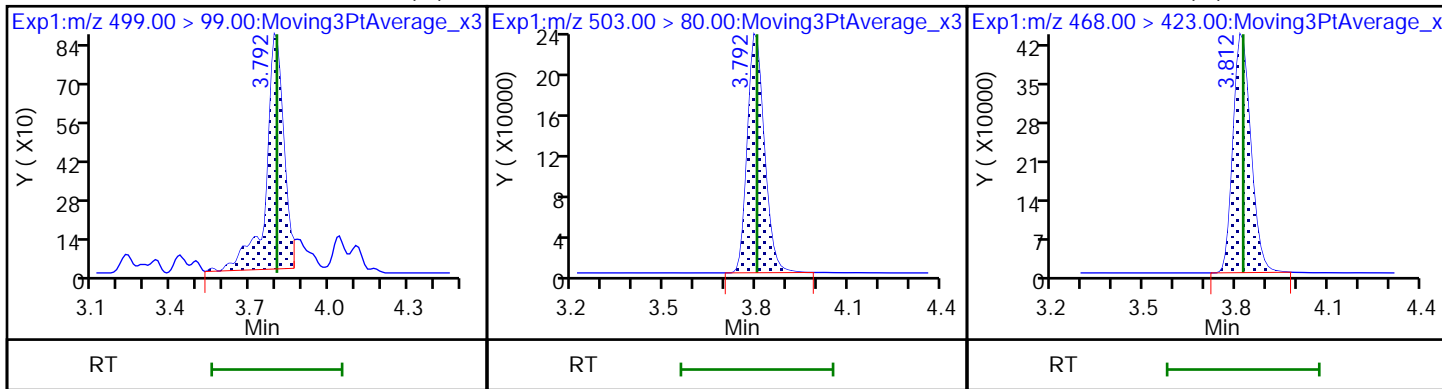
17 Perfluorooctanesulfonic acid (M)

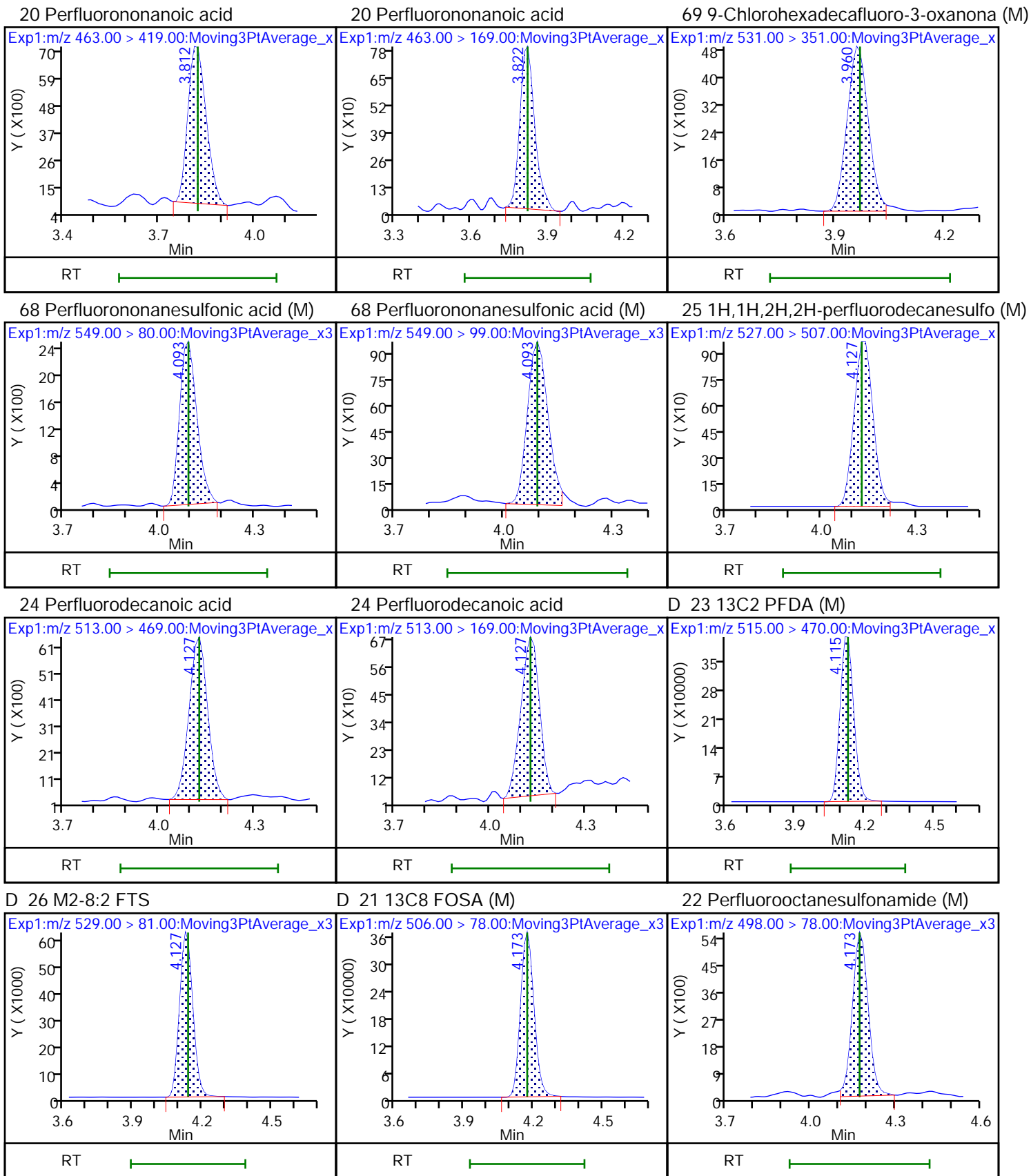


17 Perfluorooctanesulfonic acid (M)

D 18 13C4 PFOS

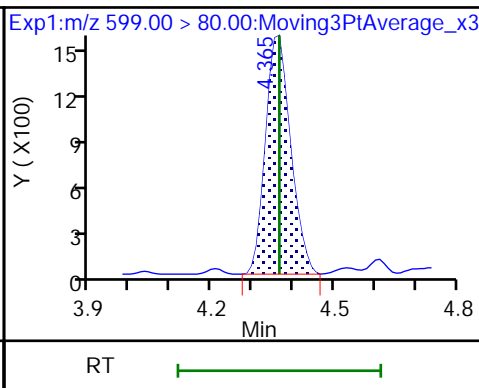
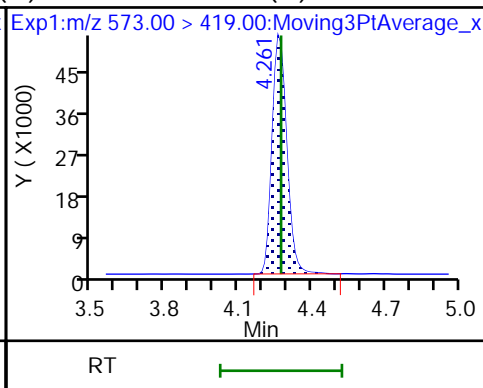
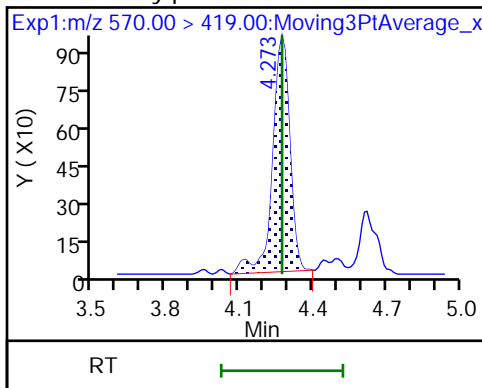
D 19 13C5 PFNA (M)





28 N-methylperfluorooctanesulfonami (M) 27 d3-NMeFOSAA (M)

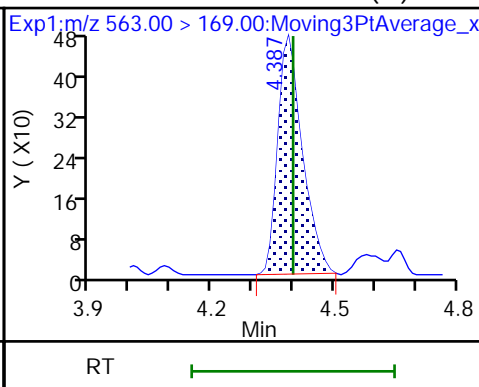
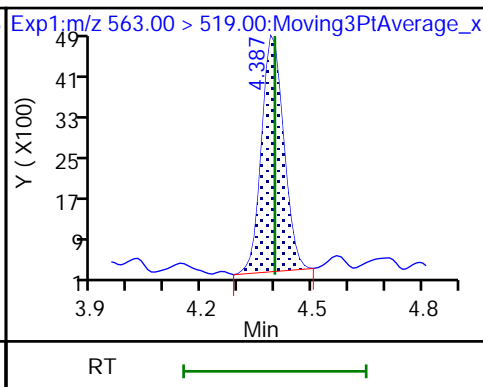
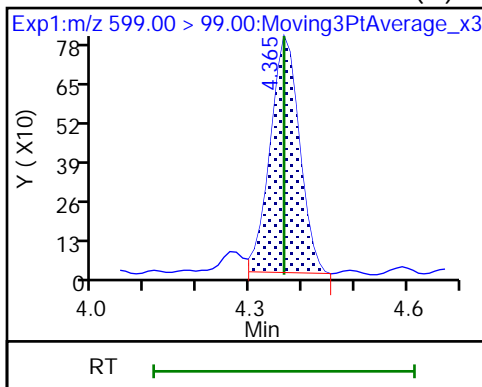
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid (M)

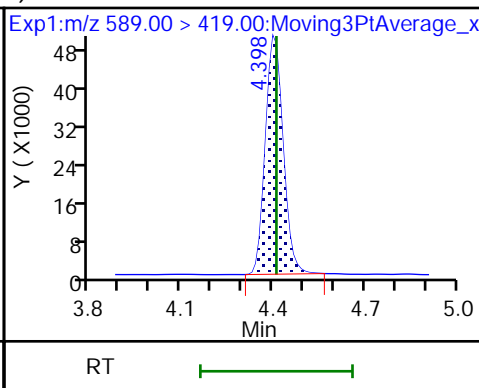
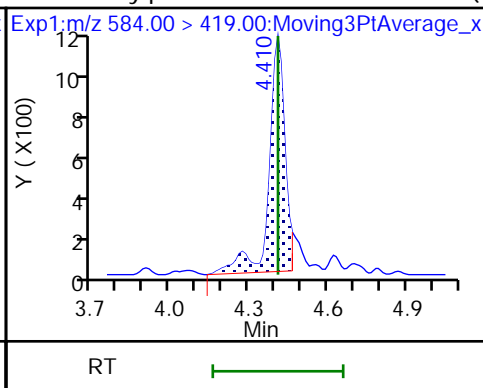
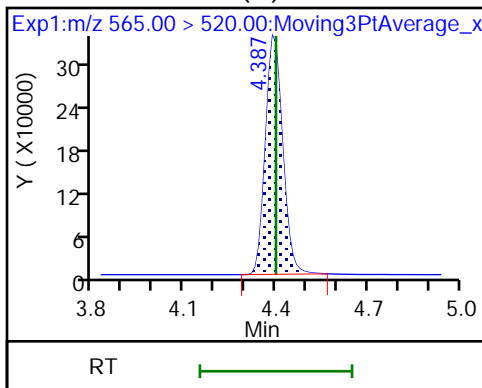
31 Perfluoroundecanoic acid

31 Perfluoroundecanoic acid (M)



D 30 13C2 PFUnA (M)

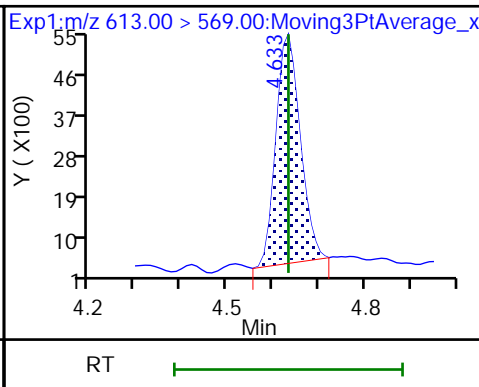
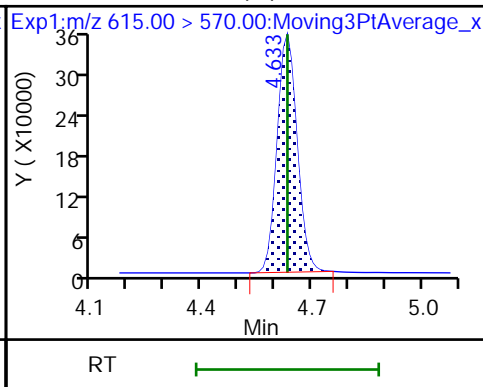
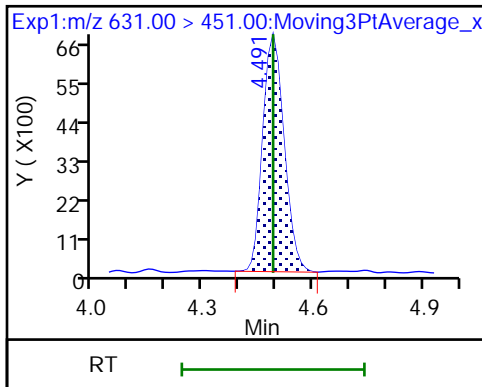
33 N-ethylperfluorooctanesulfonamid (M) 32 d5-NEtFOSAA

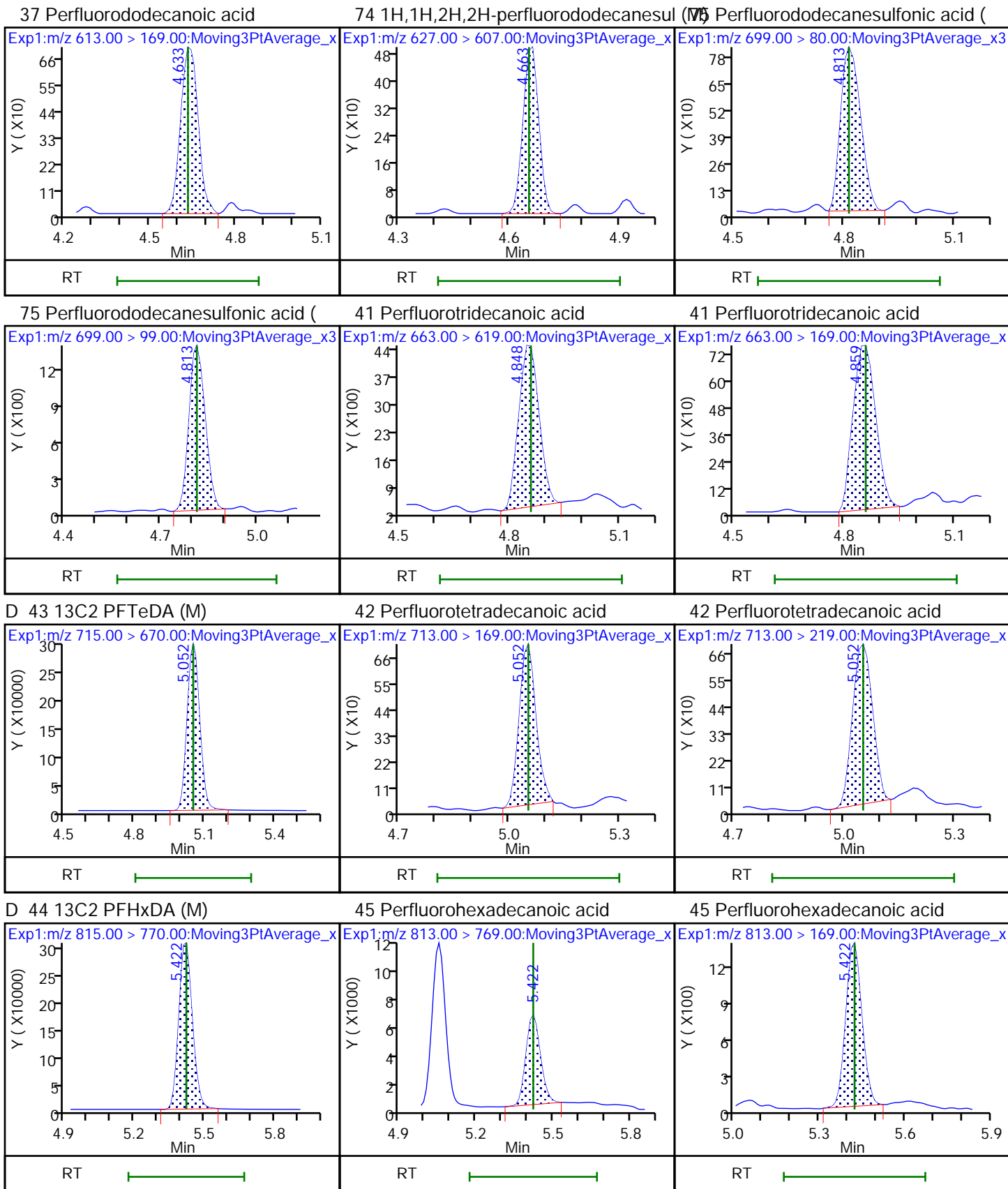


66 11-Chloroeicosafuoro-3-oxaundec

D 36 13C2 PFDaA (M)

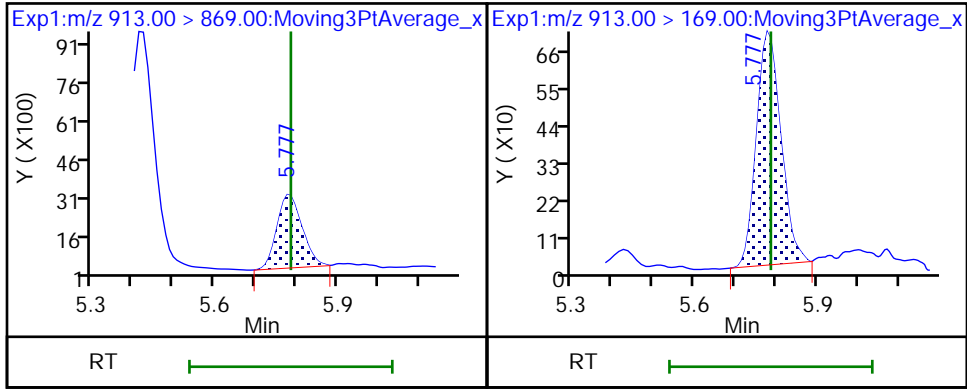
37 Perfluorododecanoic acid





46 Perfluorooctadecanoic acid

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

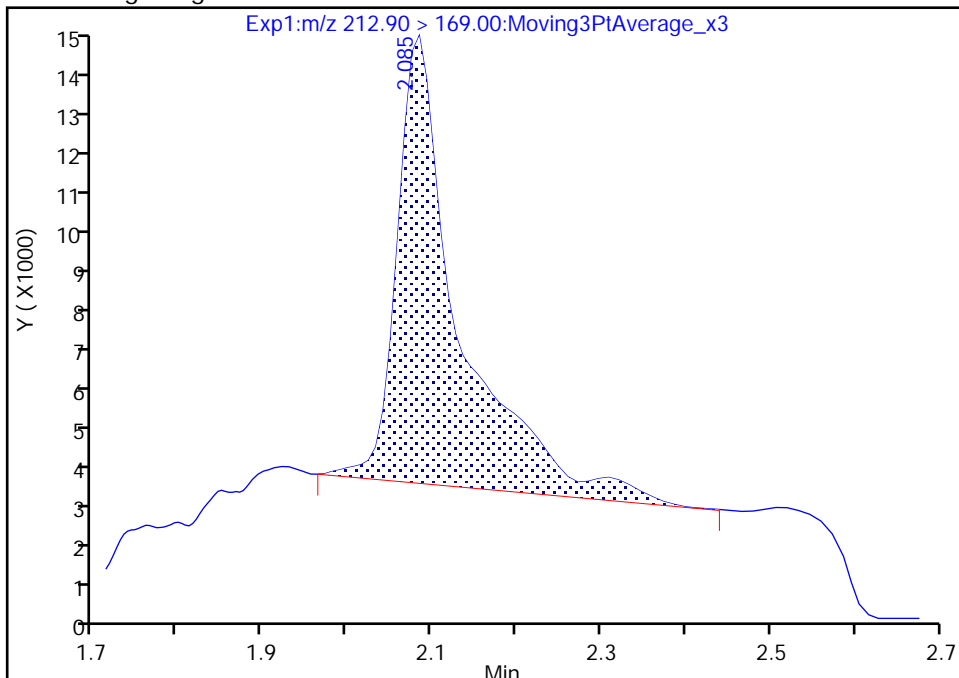
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Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

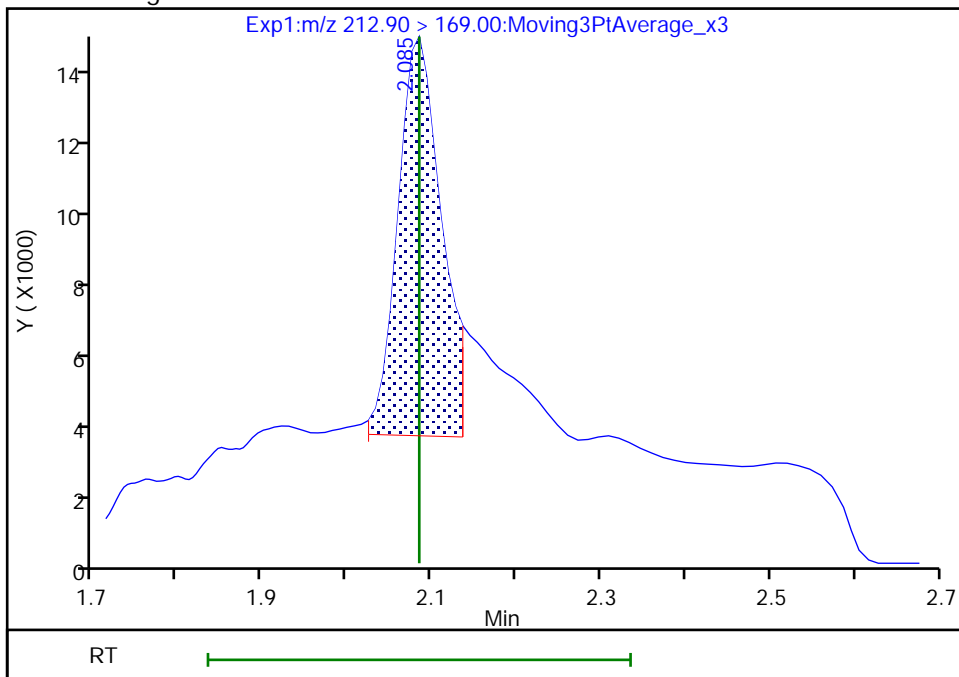
RT: 2.08
Area: 55834
Amount: 0.036705
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 37837
Amount: 0.024874
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:09:37
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

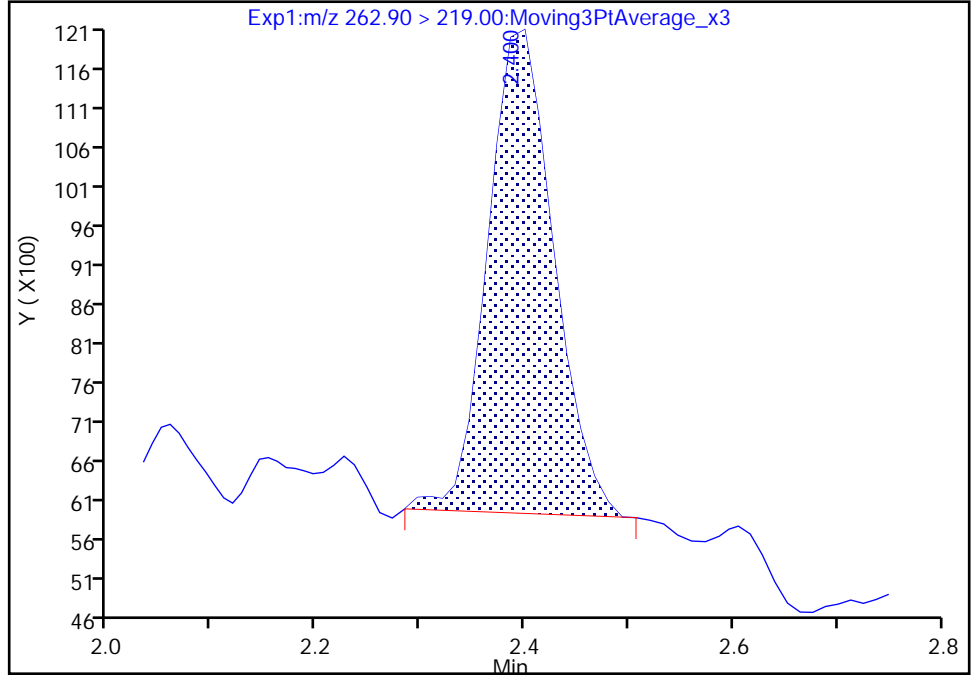
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

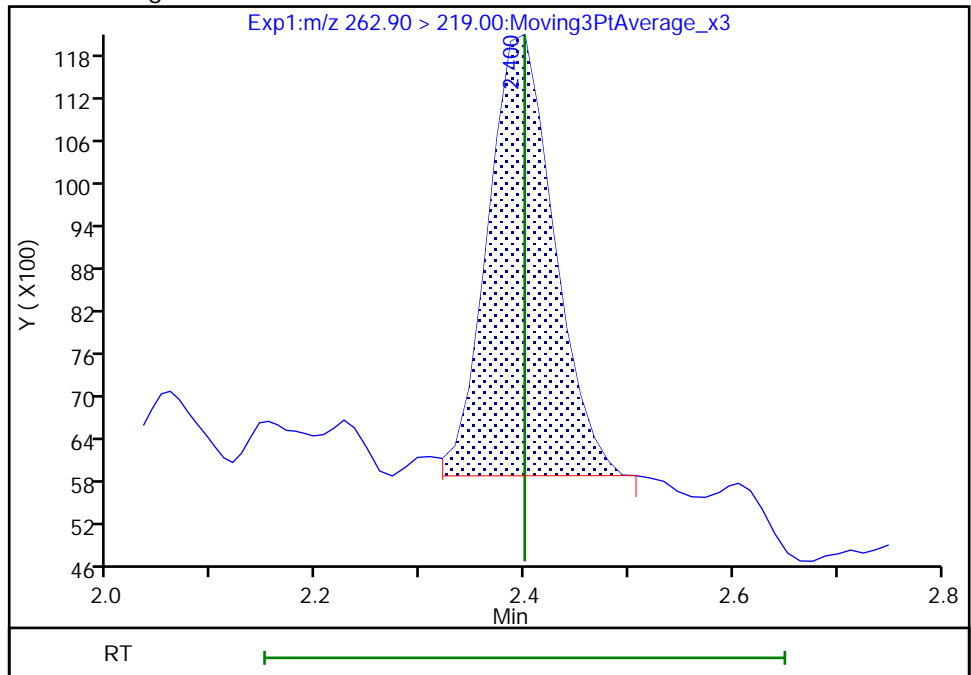
RT: 2.40
Area: 27186
Amount: 0.021078
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 27445
Amount: 0.021279
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:15:18
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

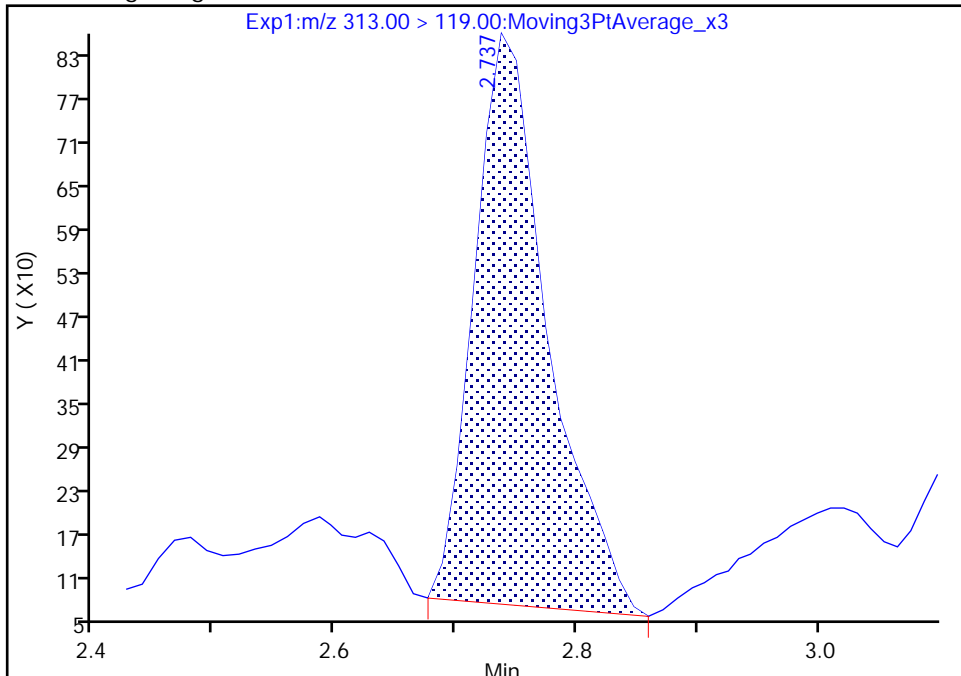
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

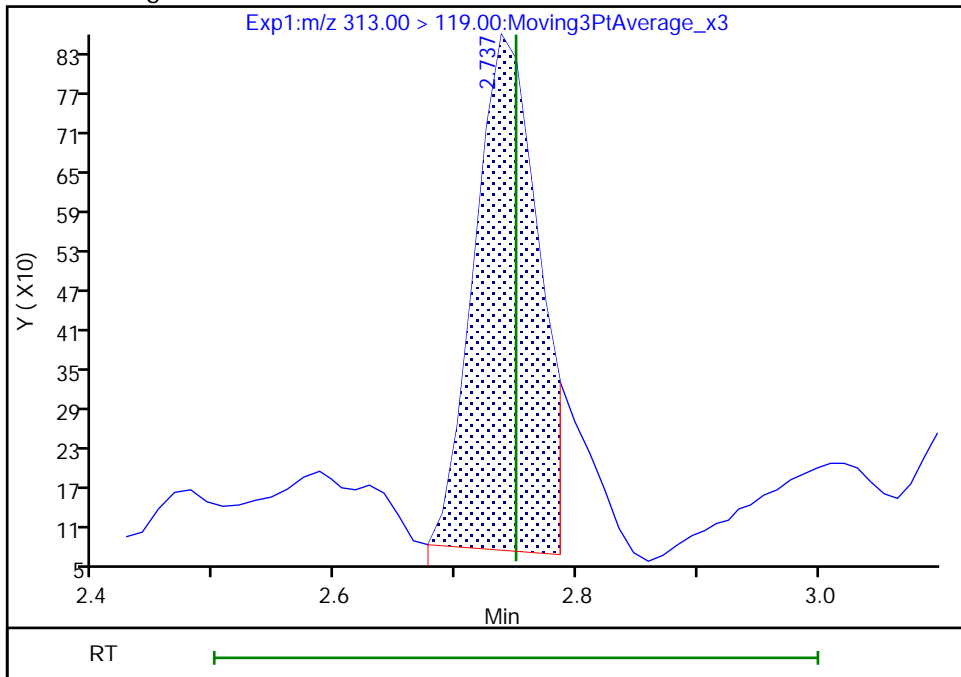
RT: 2.74
Area: 3308
Amount: 0.019529
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 2831
Amount: 0.019529
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:16:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

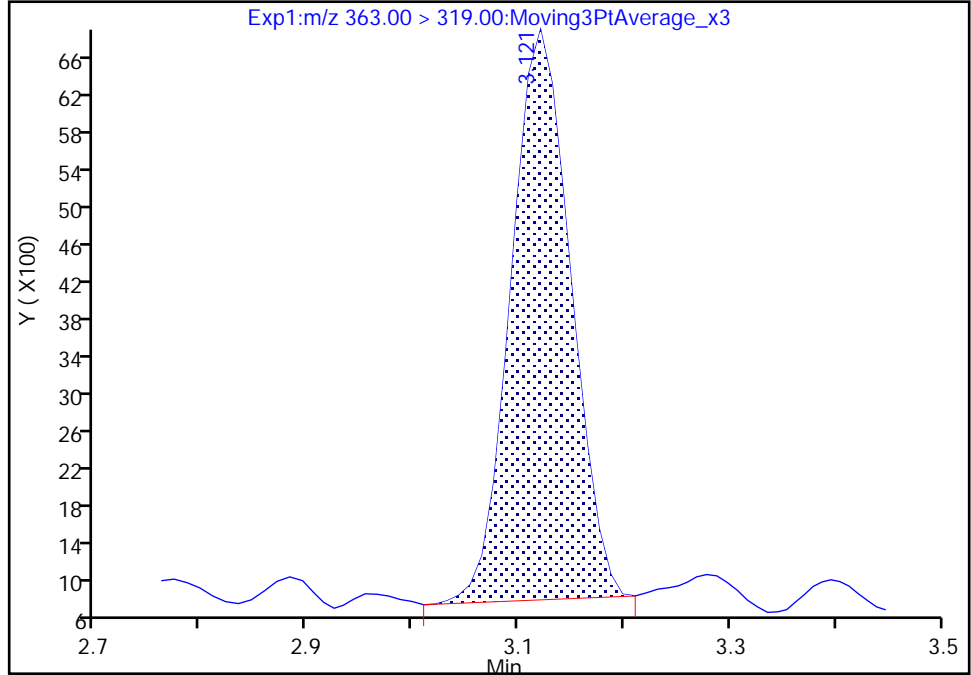
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Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

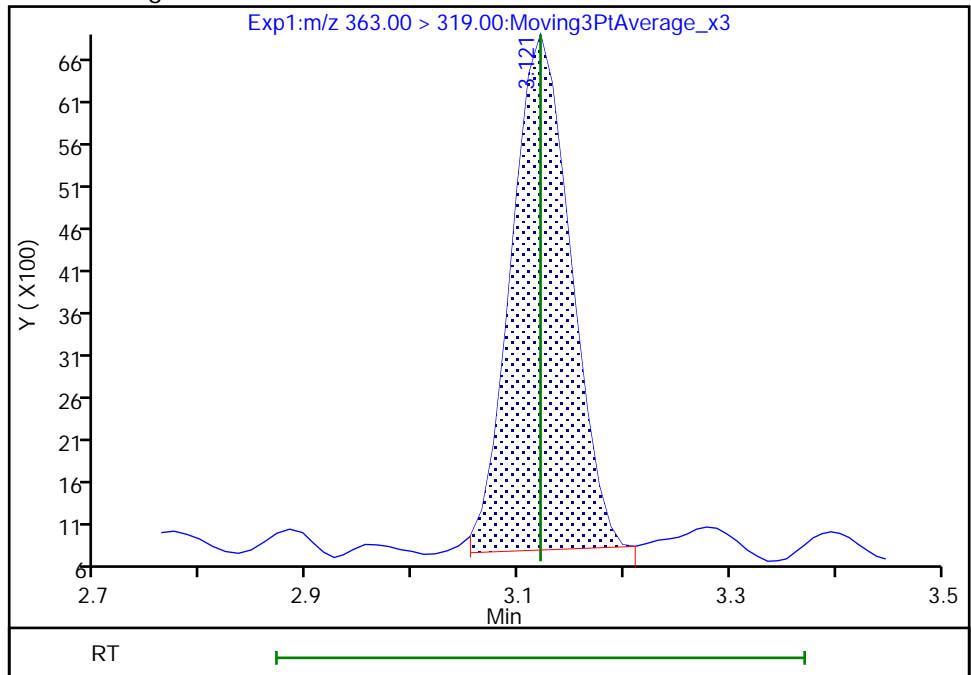
RT: 3.12
Area: 23967
Amount: 0.017920
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 23834
Amount: 0.017820
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:16:55
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

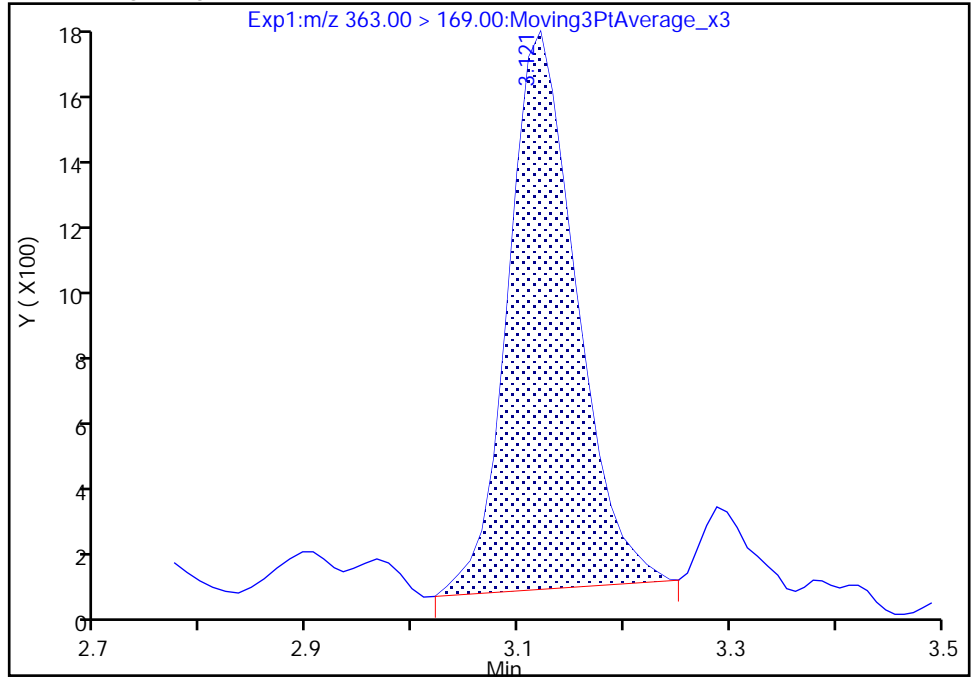
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Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

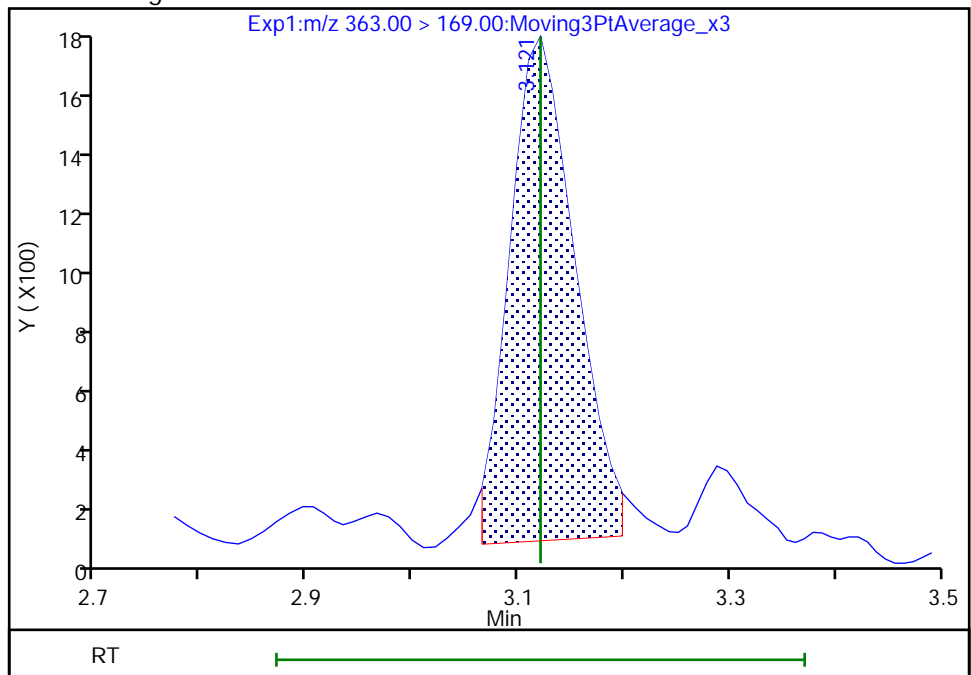
RT: 3.12
Area: 7400
Amount: 0.017920
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 7057
Amount: 0.017820
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:17:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

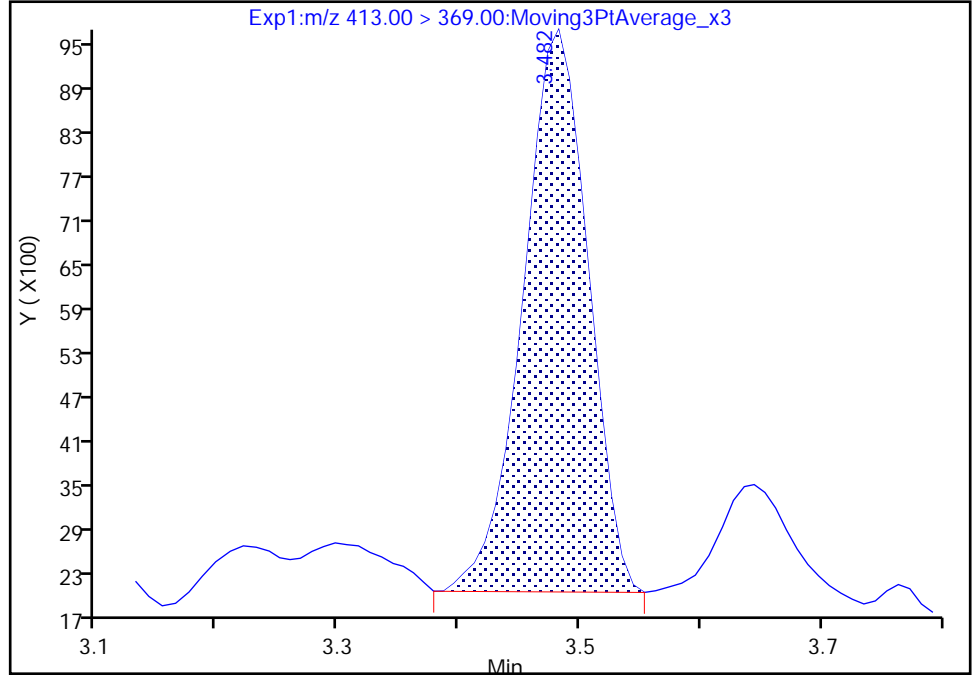
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

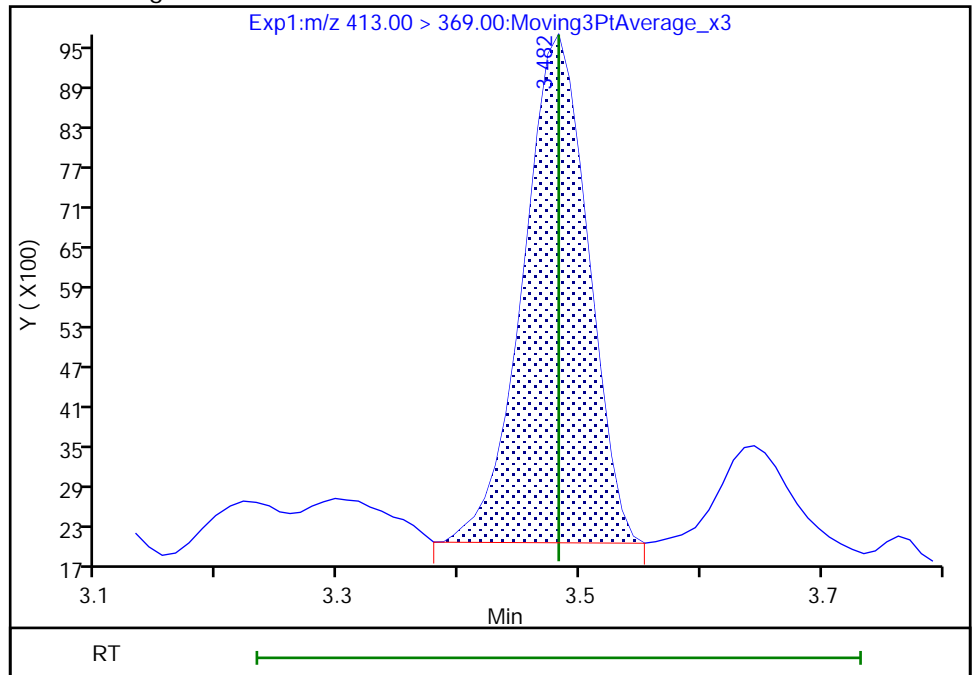
RT: 3.48
Area: 28487
Amount: 0.018863
Amount Units: ng/ml

Processing Integration Results



RT: 3.48
Area: 28487
Amount: 0.019013
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:18:37
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

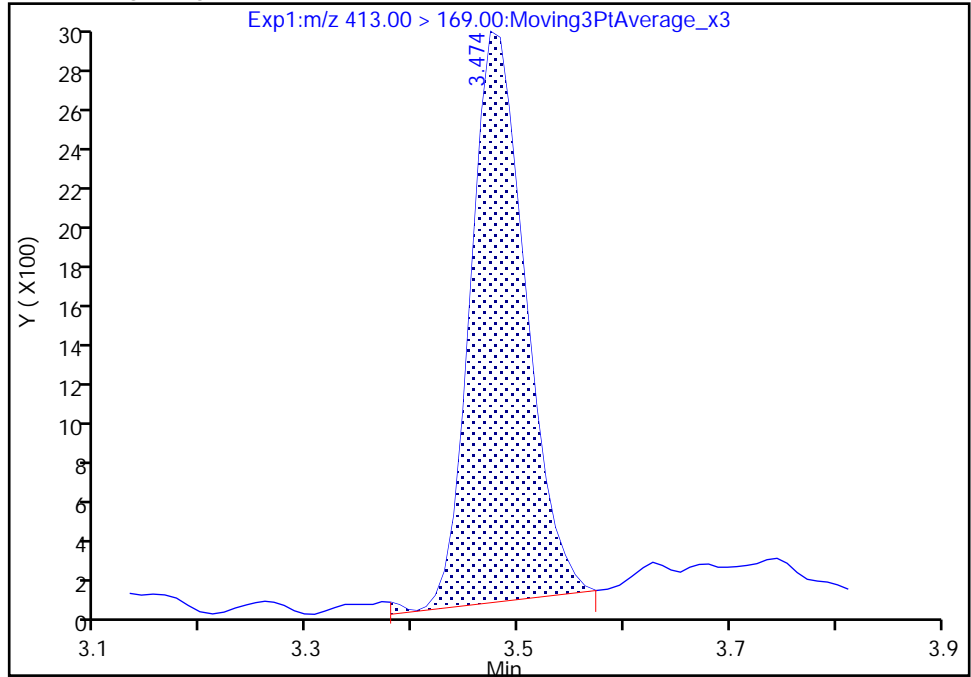
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

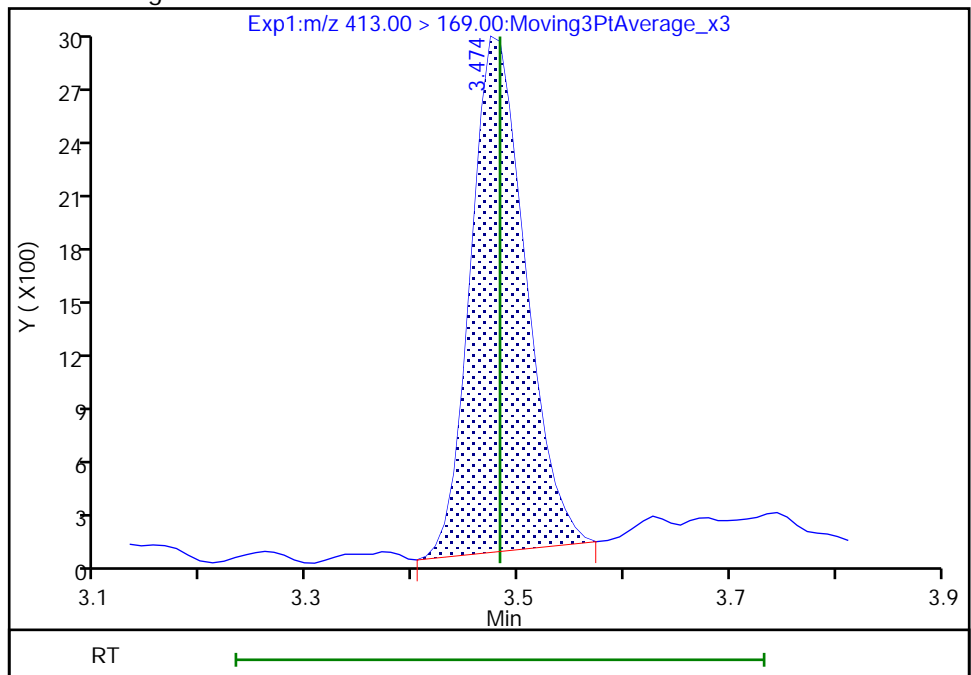
RT: 3.47
Area: 10416
Amount: 0.018863
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 10359
Amount: 0.019013
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:18:41

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

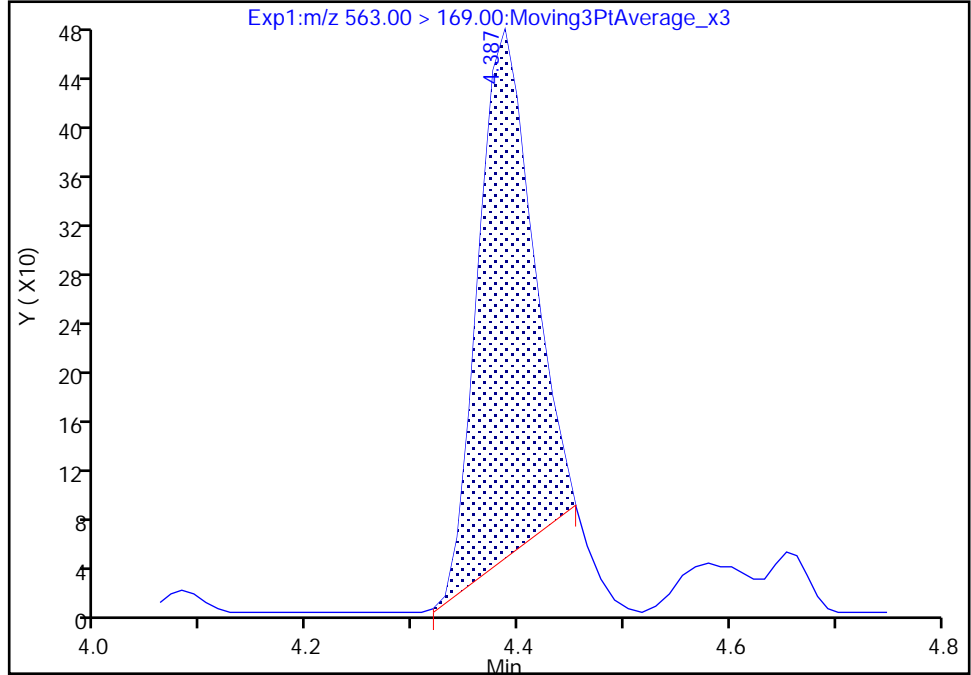
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Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

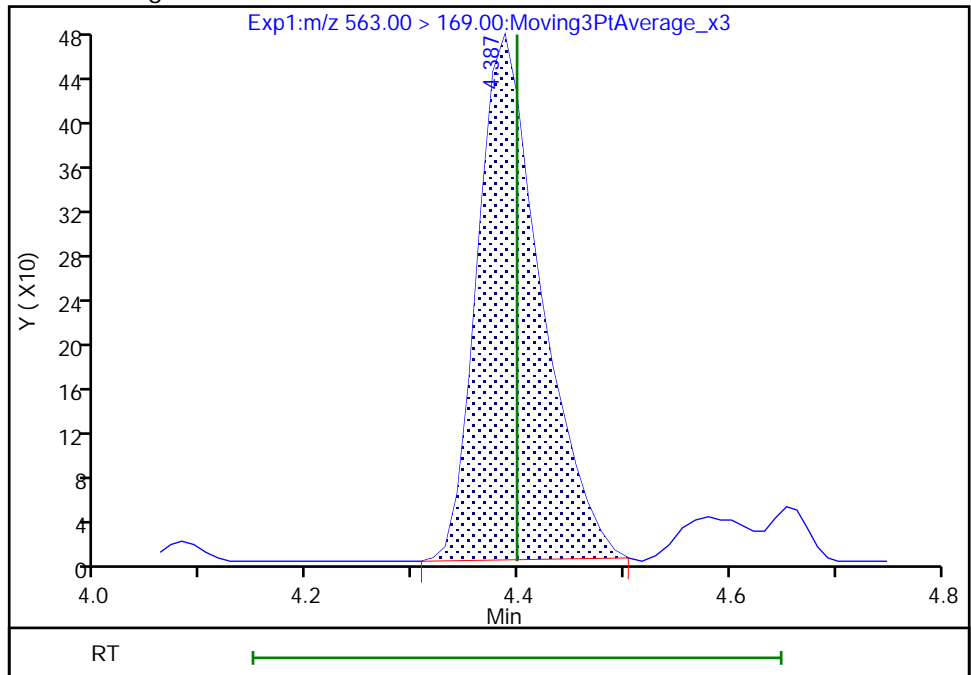
RT: 4.39
Area: 1538
Amount: 0.017440
Amount Units: ng/ml

Processing Integration Results



RT: 4.39
Area: 1970
Amount: 0.017591
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:21:32
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

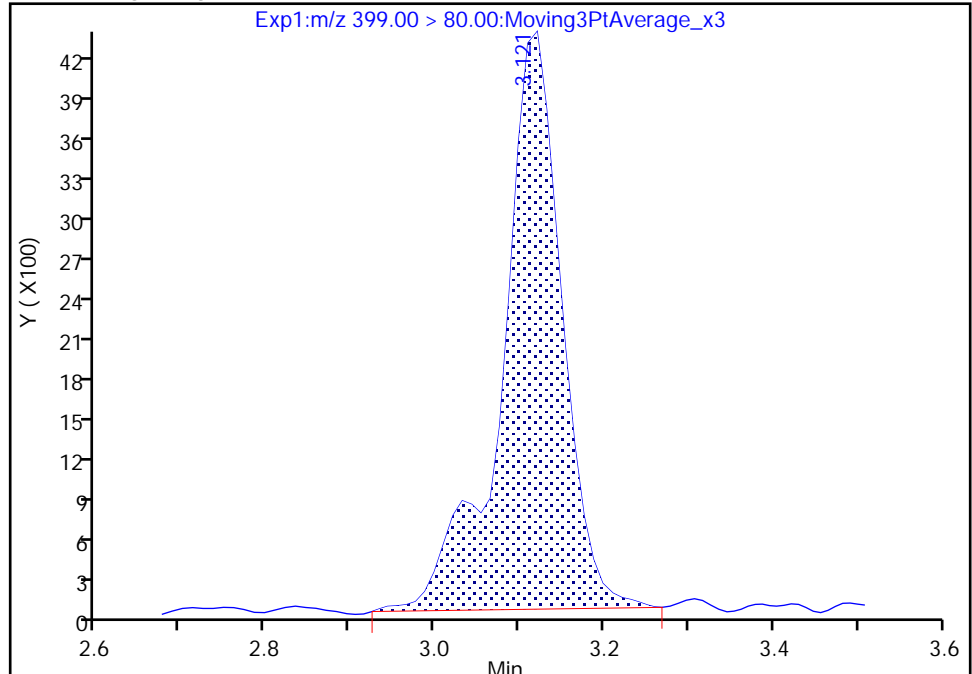
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

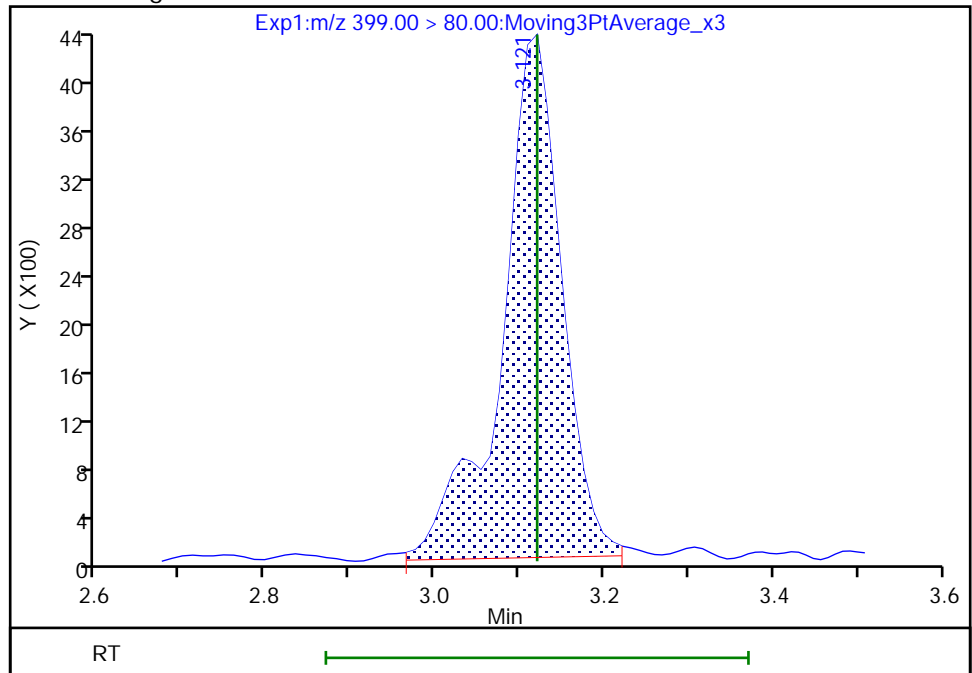
RT: 3.12
Area: 21153
Amount: 0.018240
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 21122
Amount: 0.018214
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:17:30
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

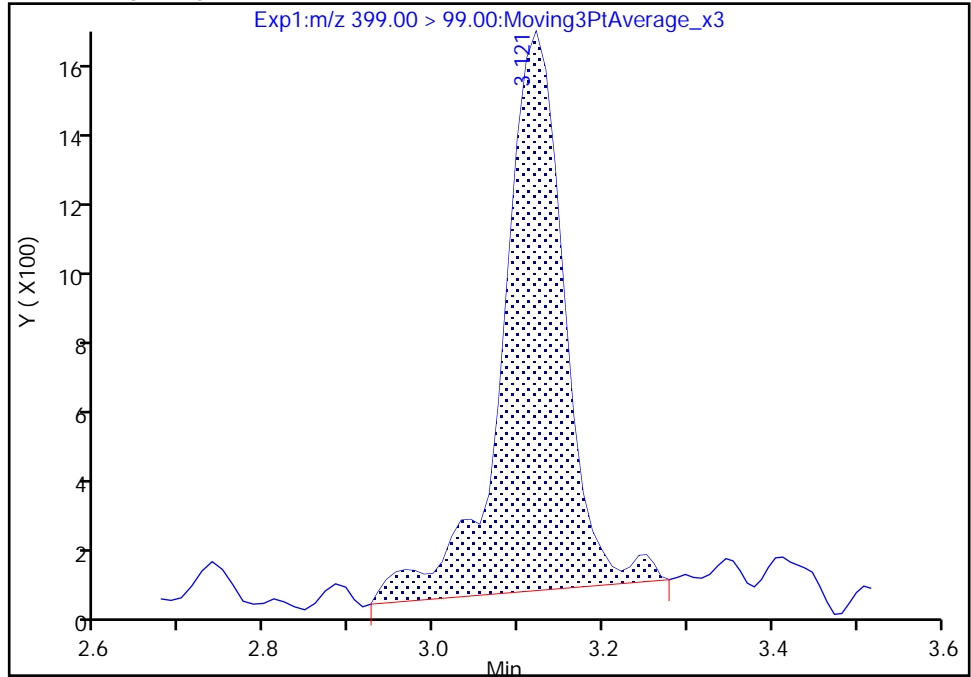
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

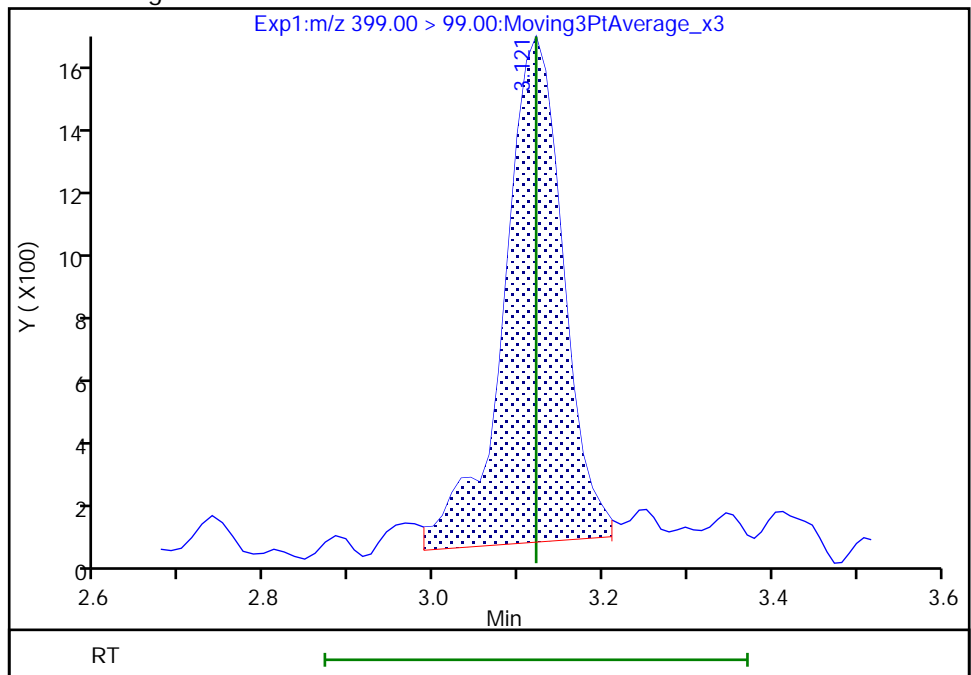
RT: 3.12
Area: 7688
Amount: 0.018240
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 7292
Amount: 0.018214
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:17:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

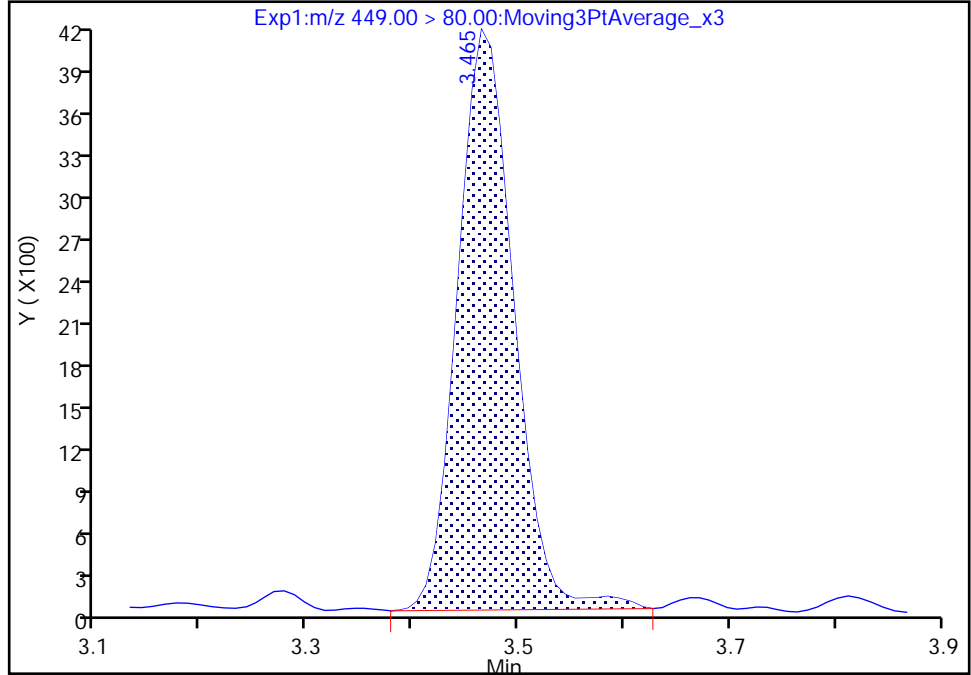
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

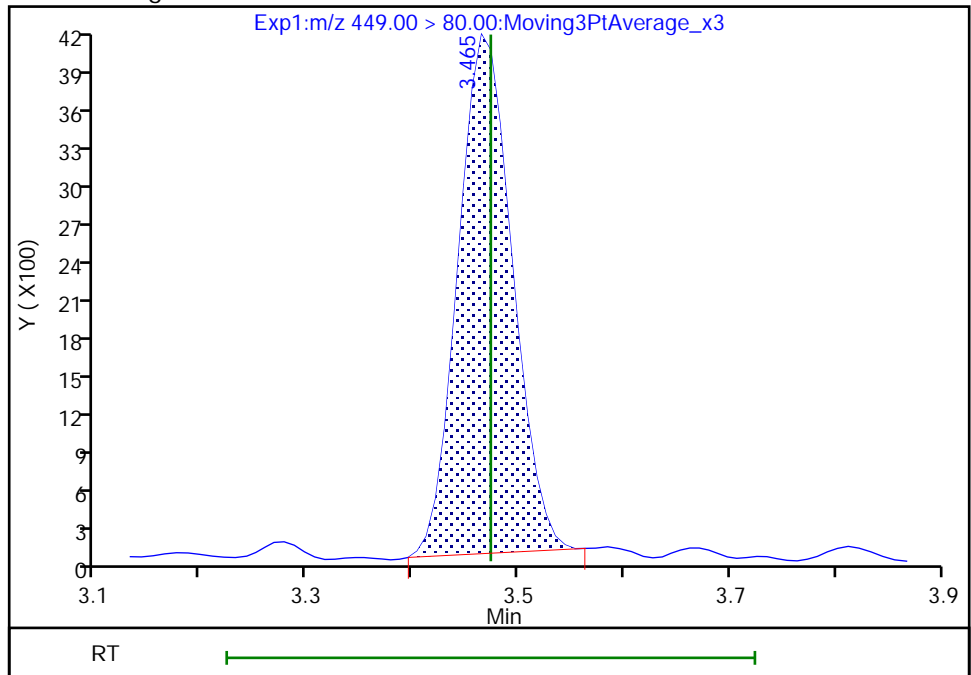
RT: 3.46
Area: 15245
Amount: 0.016269
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 14529
Amount: 0.015505
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:18:20
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

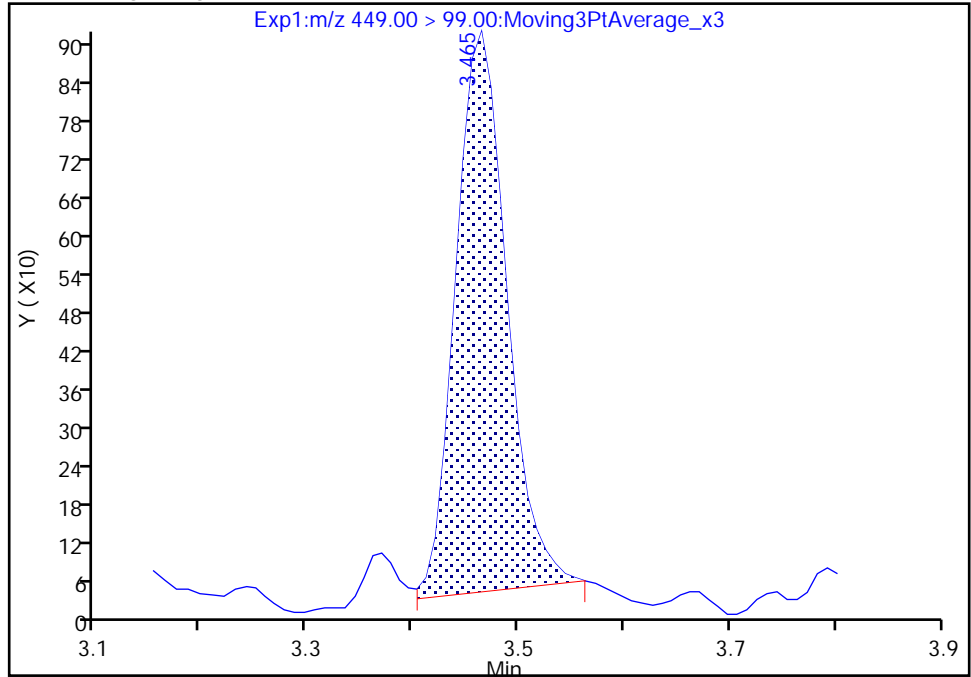
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

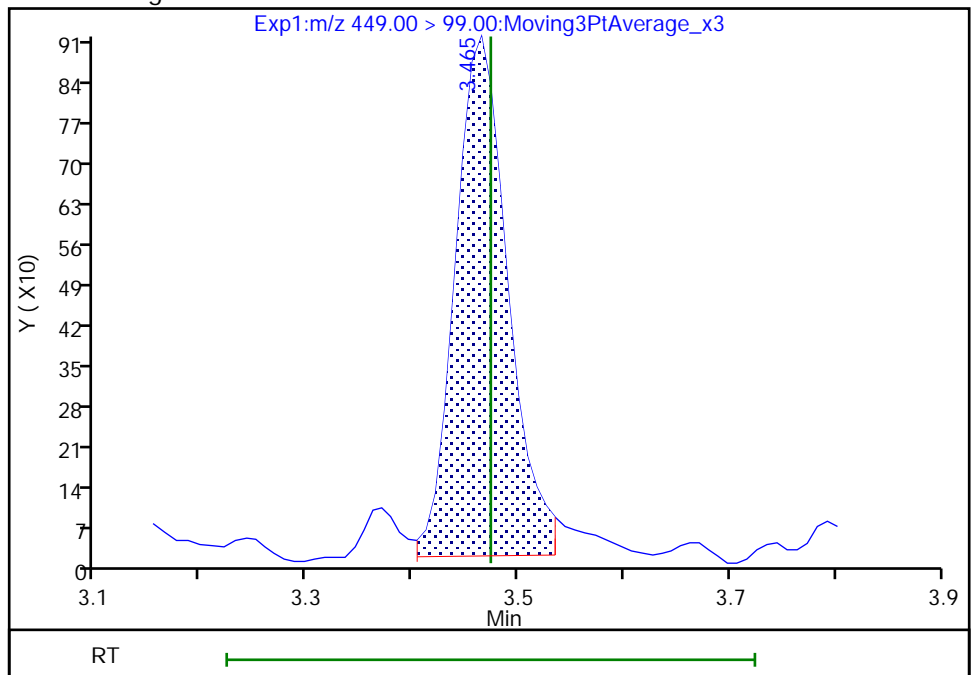
RT: 3.46
Area: 2914
Amount: 0.016269
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 3074
Amount: 0.015505
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:18:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

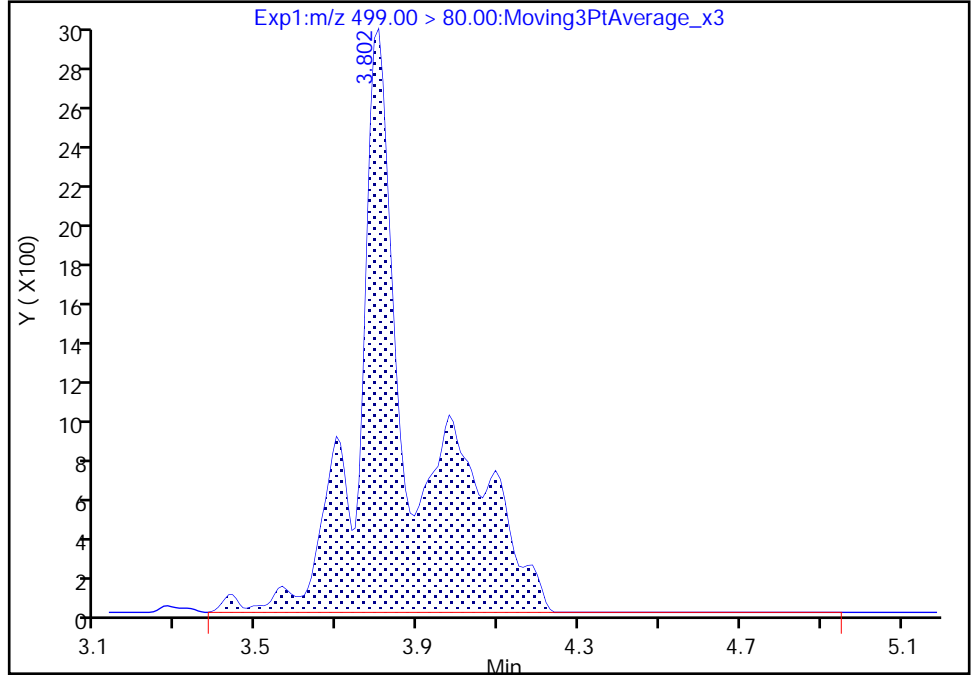
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

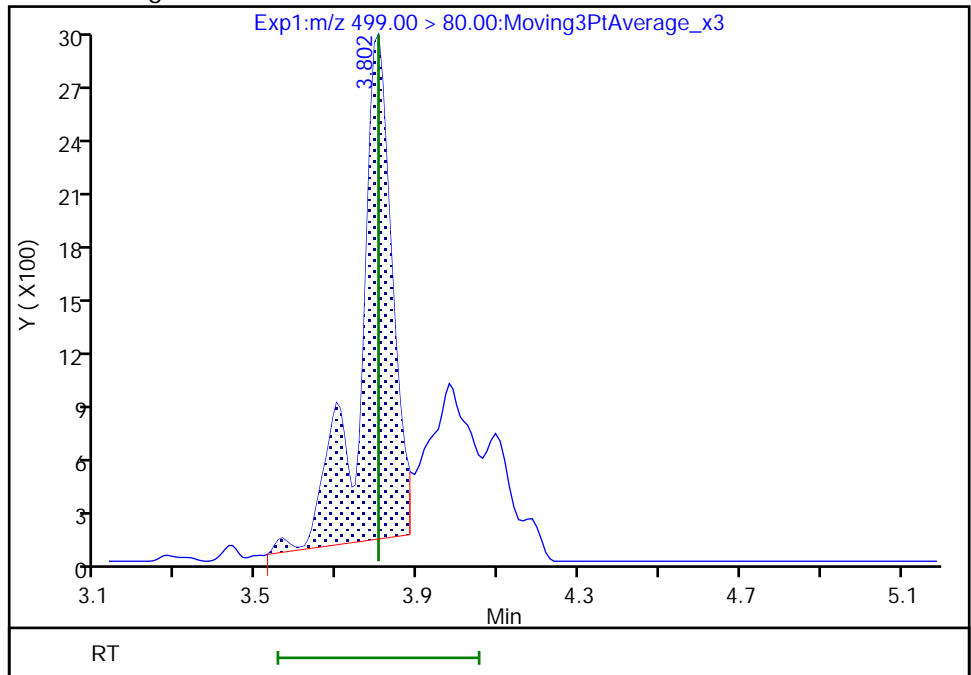
RT: 3.80
Area: 29324
Amount: 0.020402
Amount Units: ng/ml

Processing Integration Results



RT: 3.80
Area: 15622
Amount: 0.002237
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:19:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

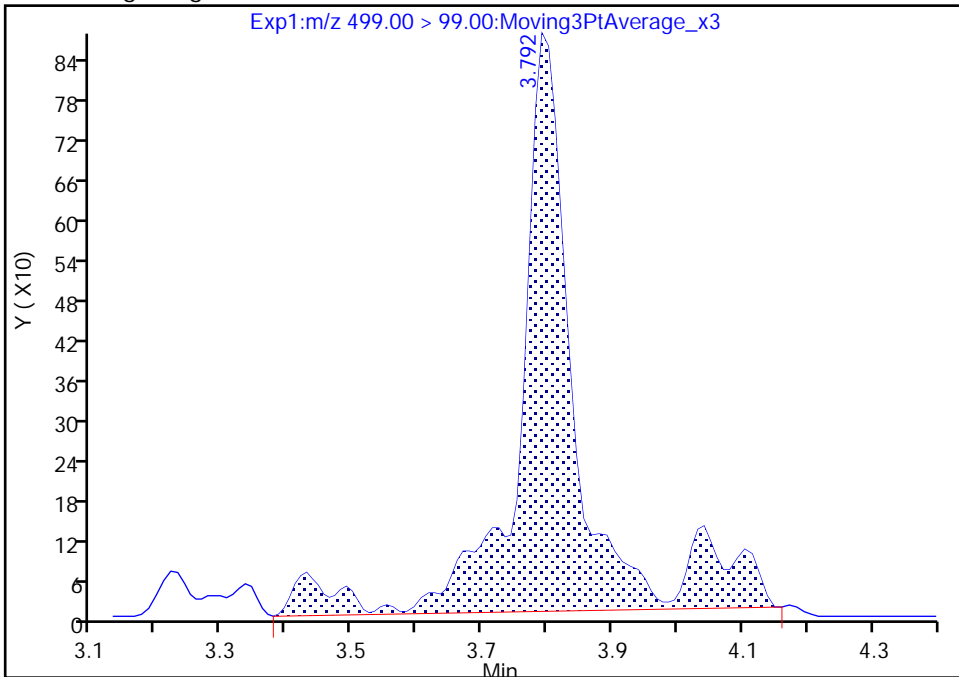
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

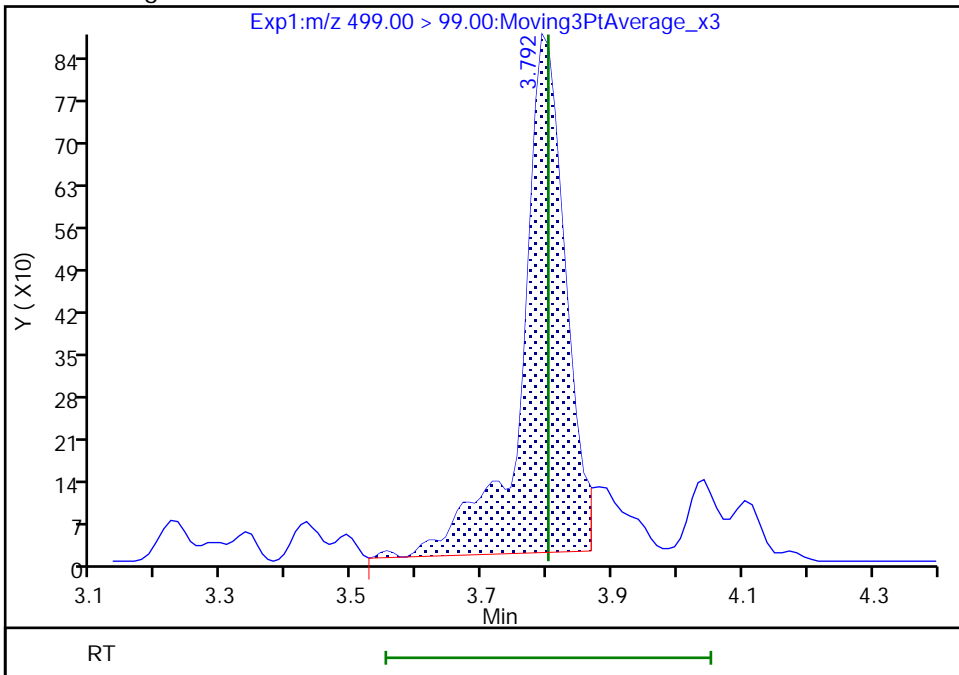
RT: 3.79
Area: 5527
Amount: 0.020402
Amount Units: ng/ml

Processing Integration Results



RT: 3.79
Area: 4033
Amount: 0.002237
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:19:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

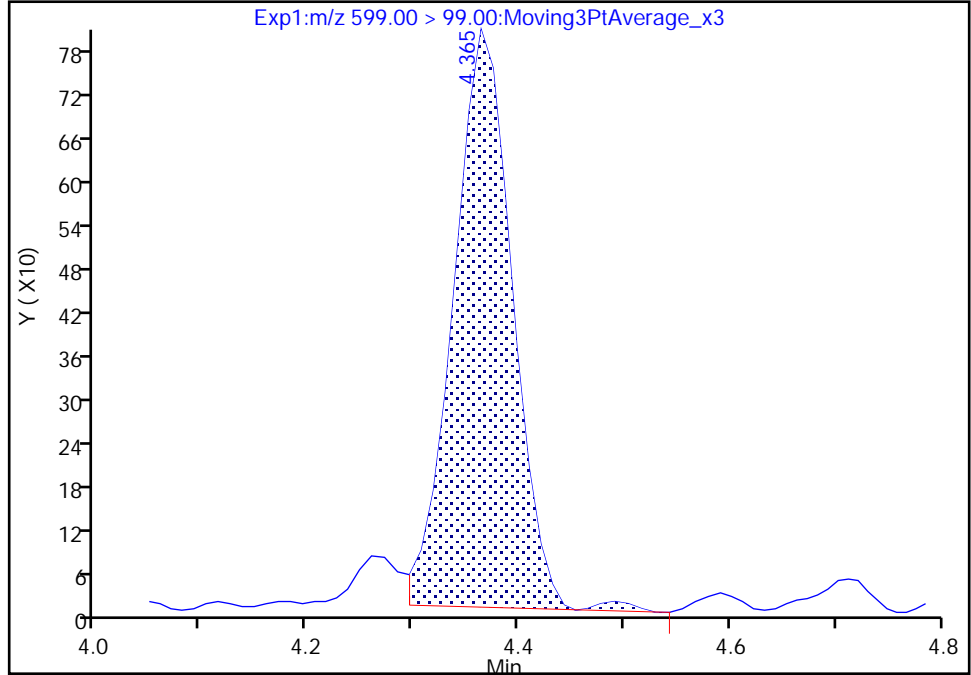
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

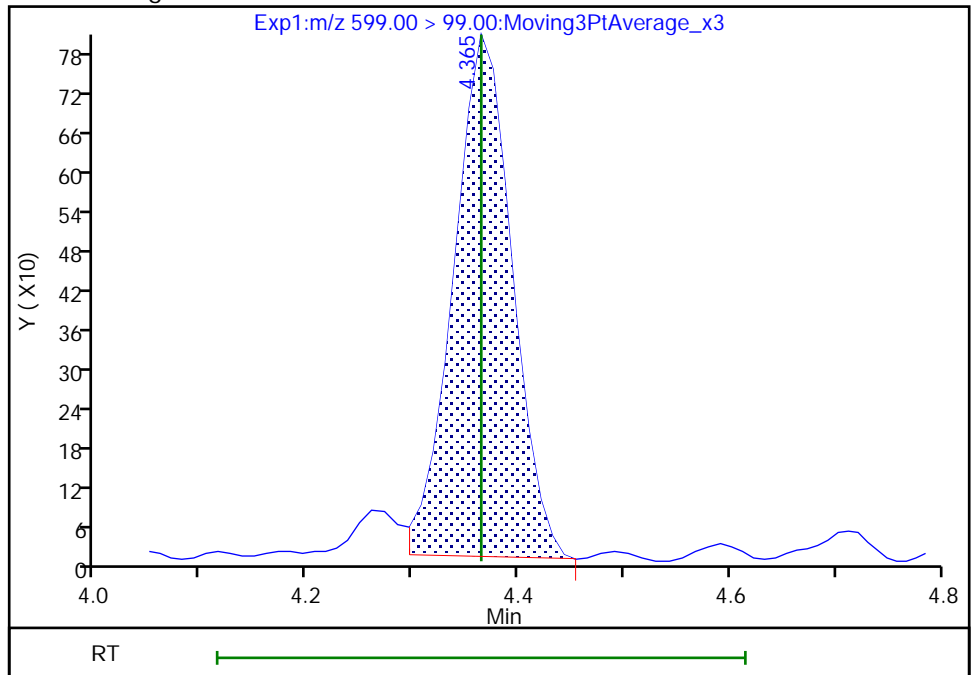
RT: 4.36
Area: 3098
Amount: 0.014613
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 3067
Amount: 0.014613
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:21:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

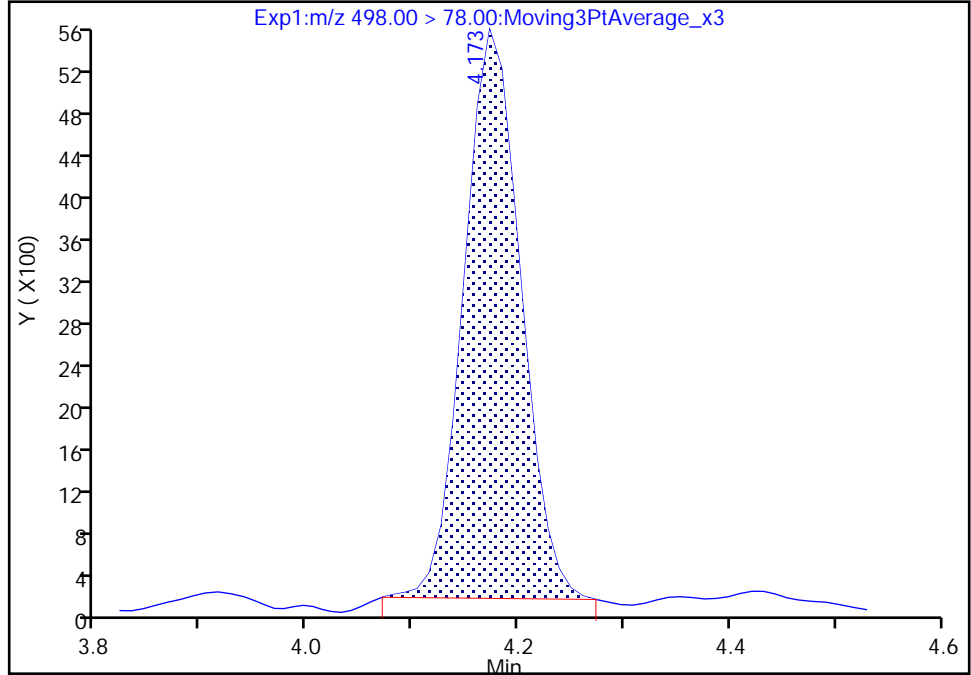
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

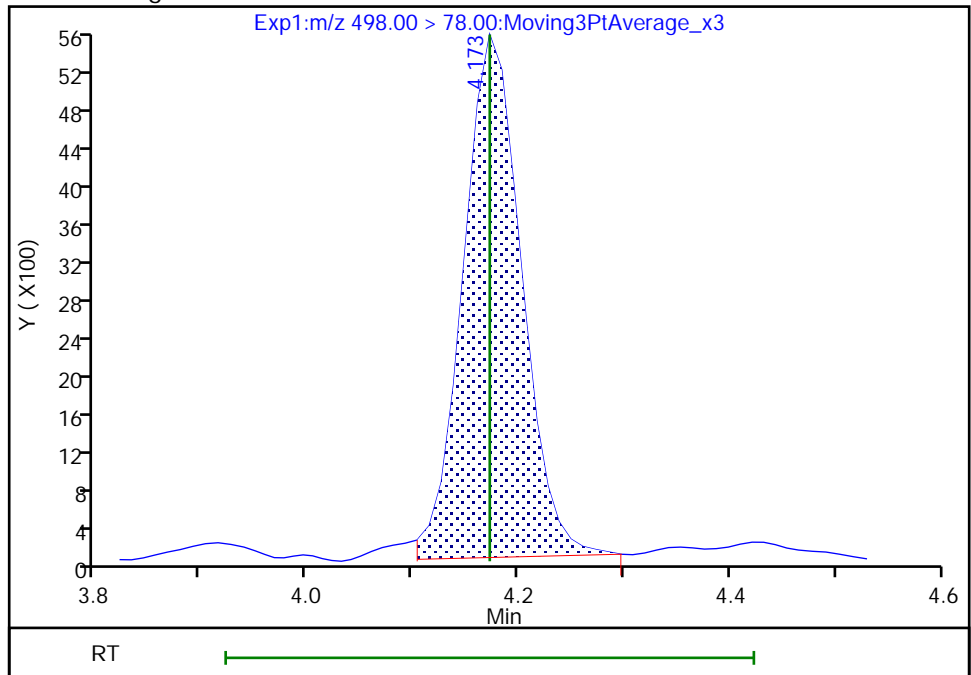
RT: 4.17
Area: 20295
Amount: 0.016879
Amount Units: ng/ml

Processing Integration Results



RT: 4.17
Area: 21149
Amount: 0.017590
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:20:30
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

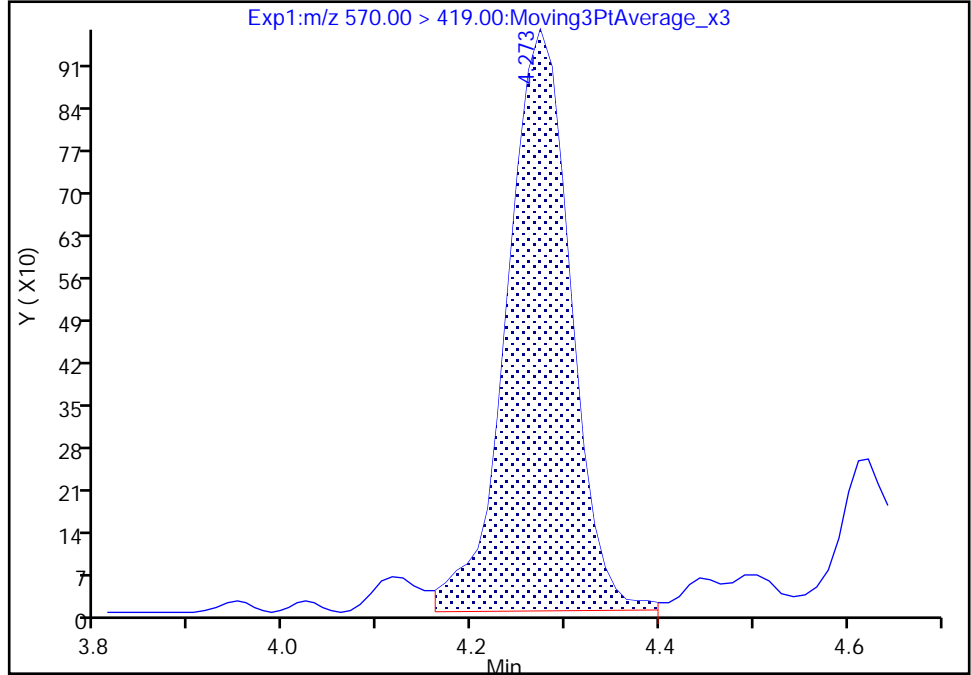
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

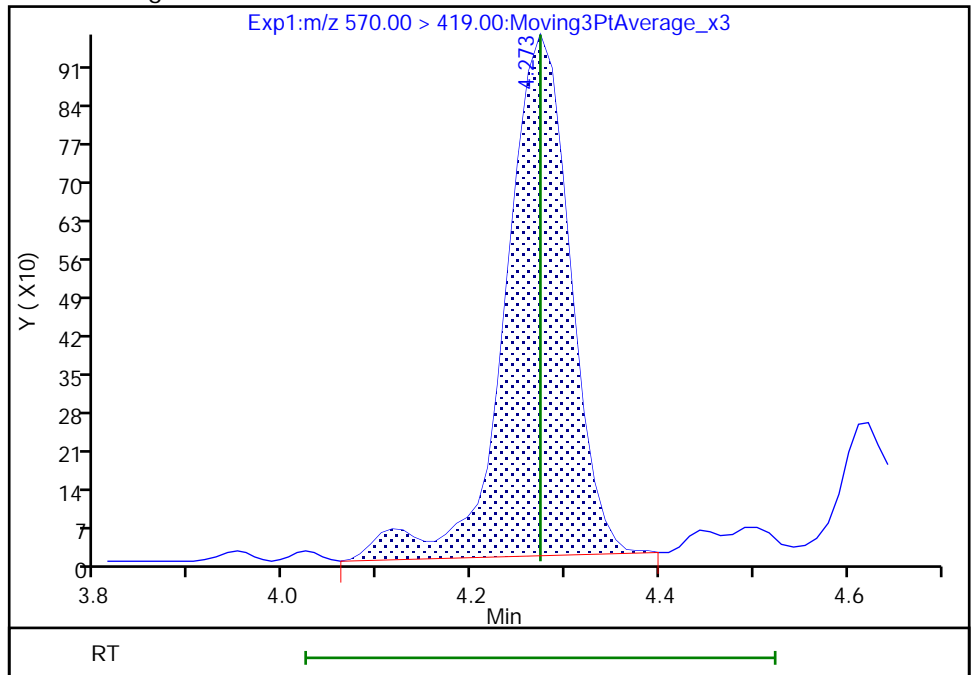
RT: 4.27
Area: 4547
Amount: 0.029158
Amount Units: ng/ml

Processing Integration Results



RT: 4.27
Area: 4635
Amount: 0.029842
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:21:07
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

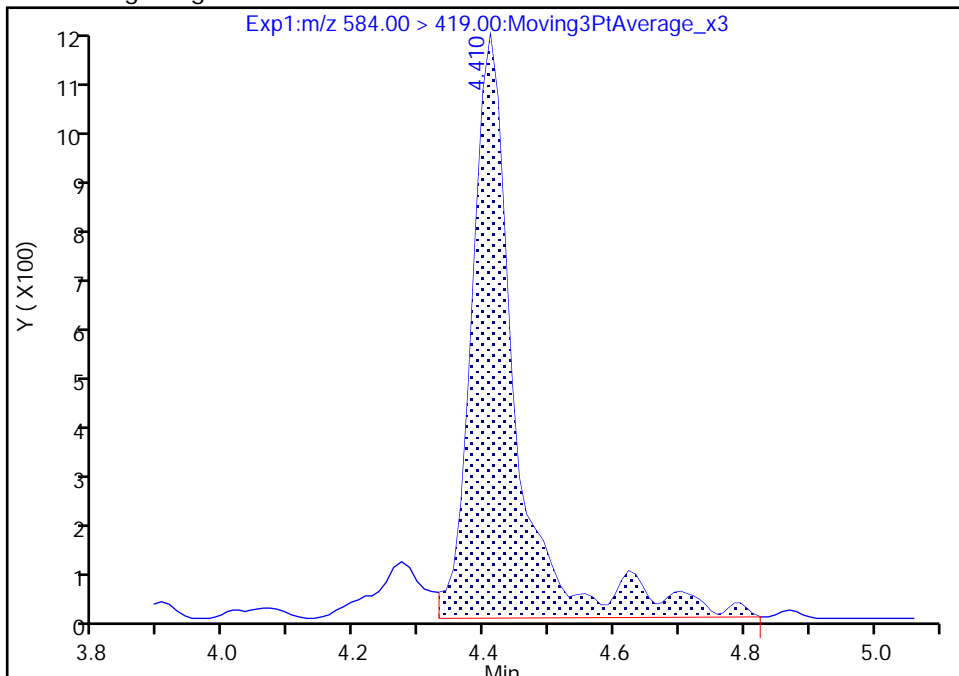
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

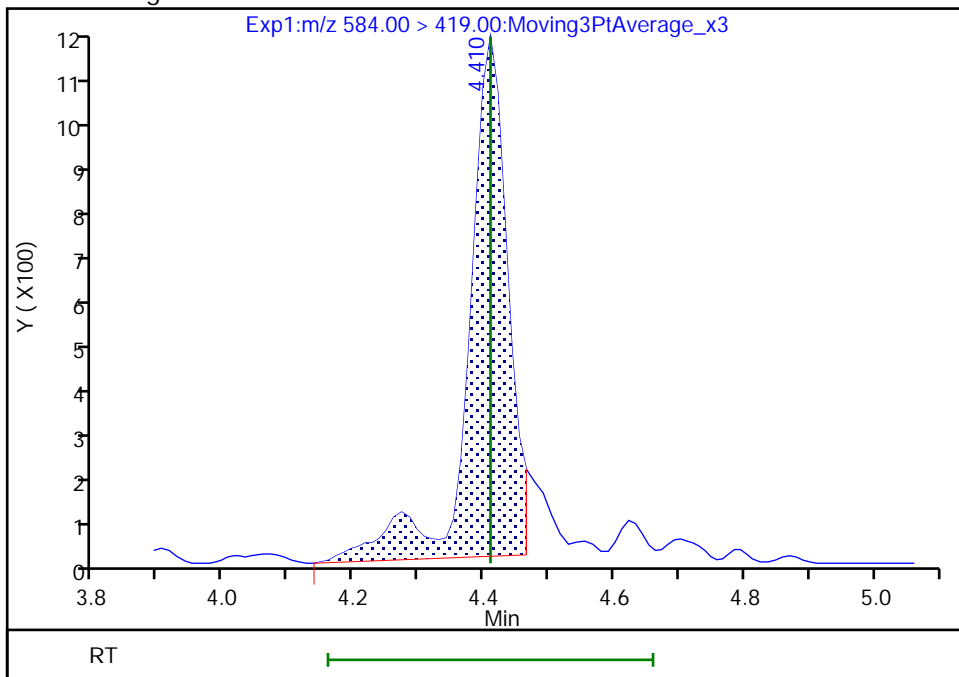
RT: 4.41
Area: 5664
Amount: 0.038806
Amount Units: ng/ml

Processing Integration Results



RT: 4.41
Area: 4914
Amount: 0.033668
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:21:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

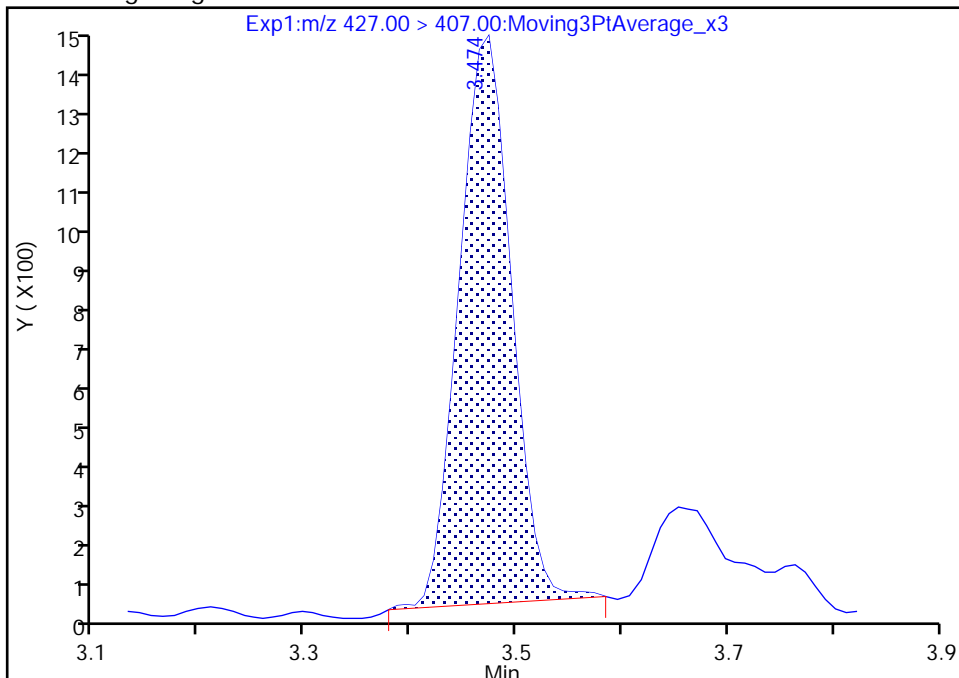
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

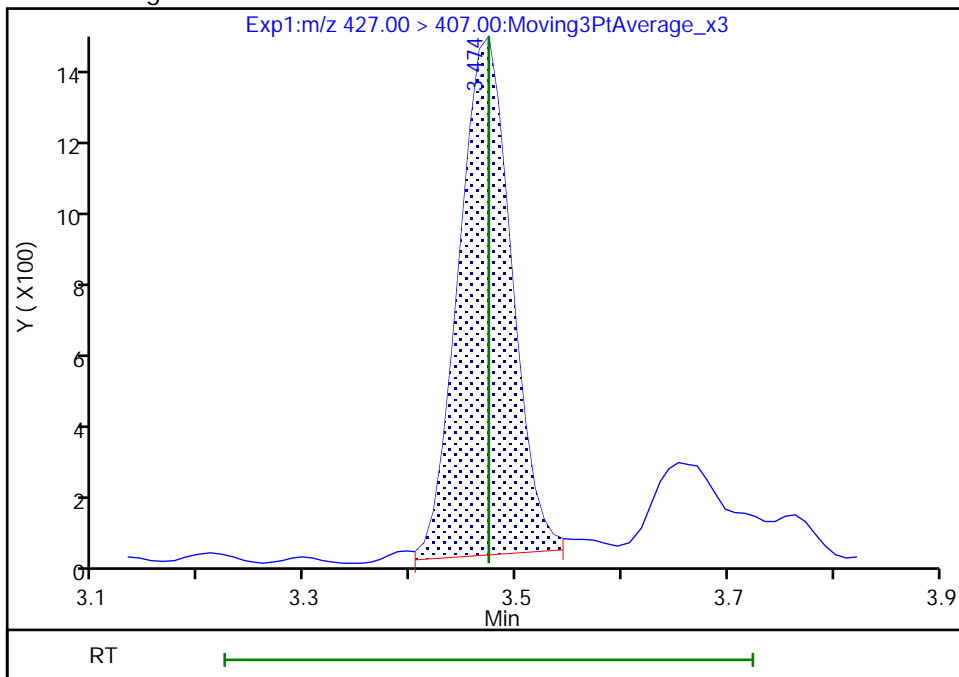
RT: 3.47
Area: 4745
Amount: 0.002733
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 4816
Amount: 0.003025
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:18:14
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

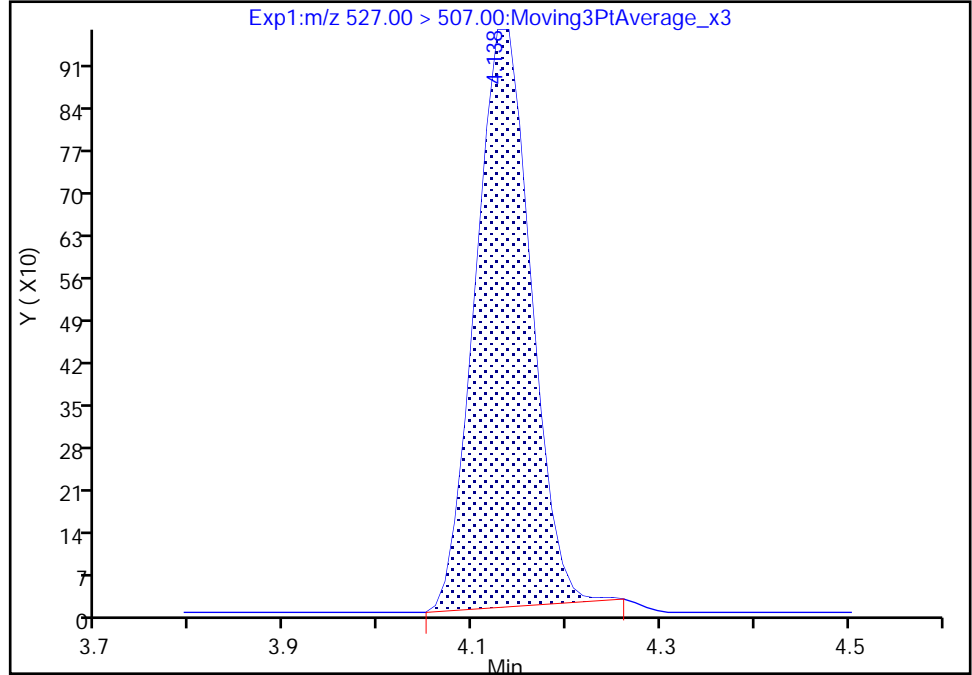
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

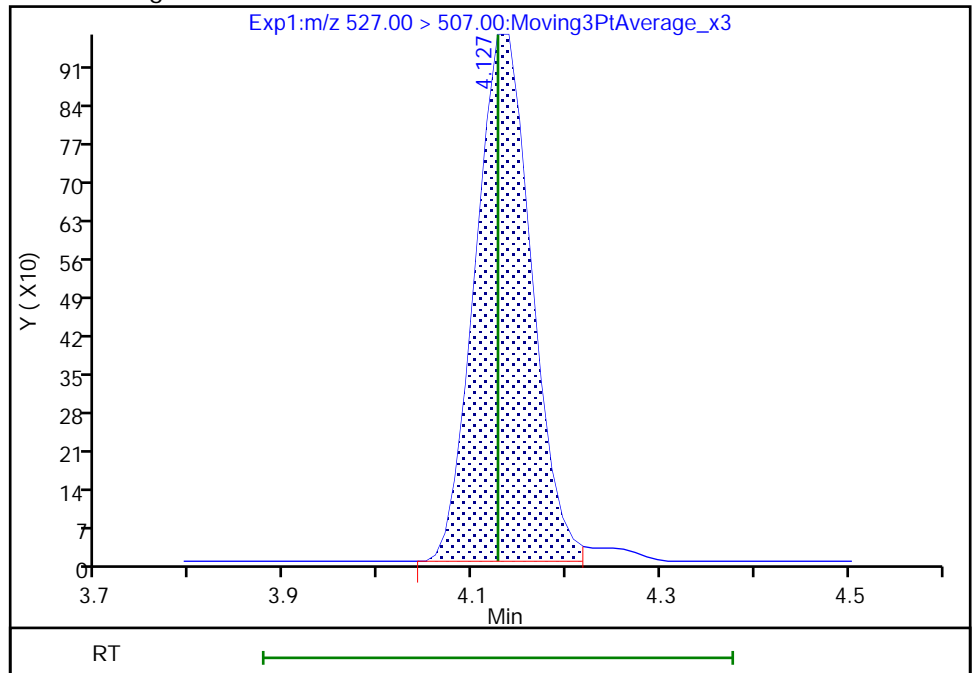
RT: 4.14
Area: 3905
Amount: 0.019460
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 3981
Amount: 0.019839
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:20:04
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

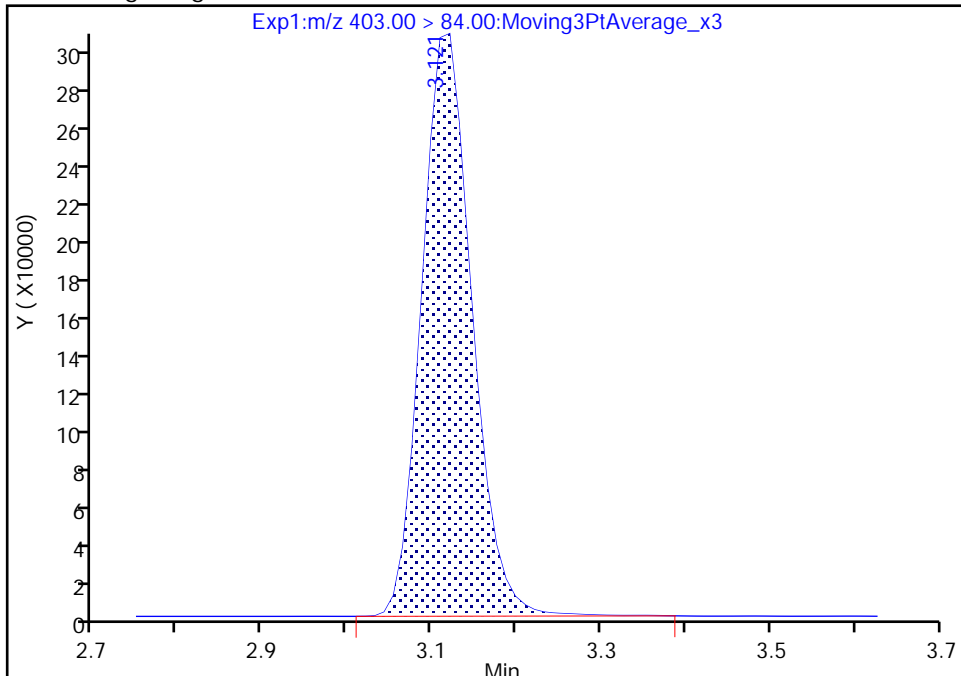
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 11 18O2 PFHxS, CAS: STL00994

Signal: 1

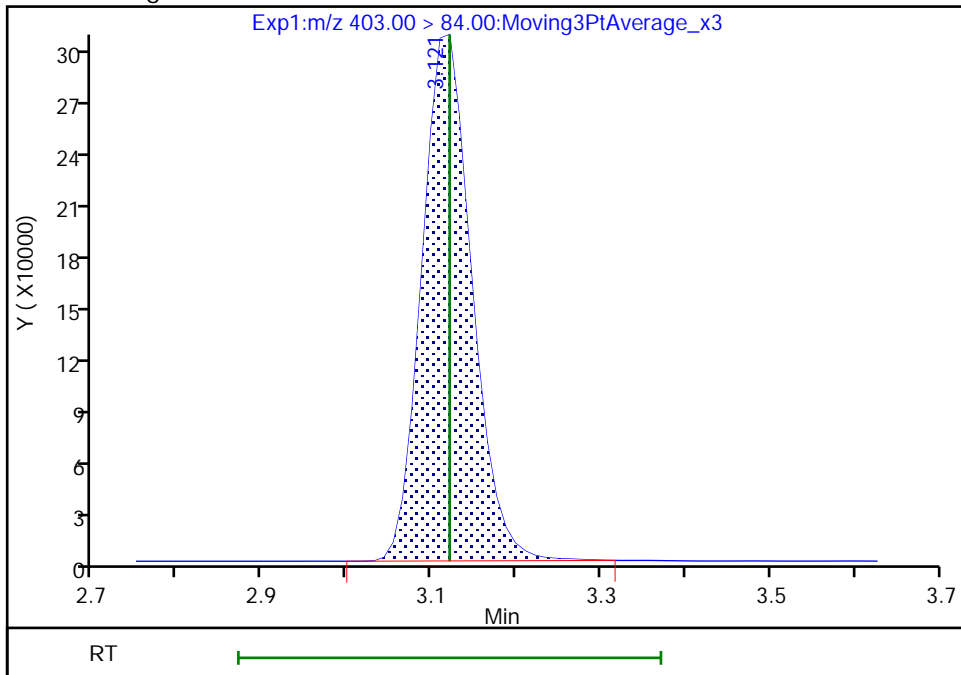
RT: 3.12
Area: 1246622
Amount: 1.226892
Amount Units: ng/ml

Processing Integration Results



RT: 3.12
Area: 1243333
Amount: 1.223655
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:17:10
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

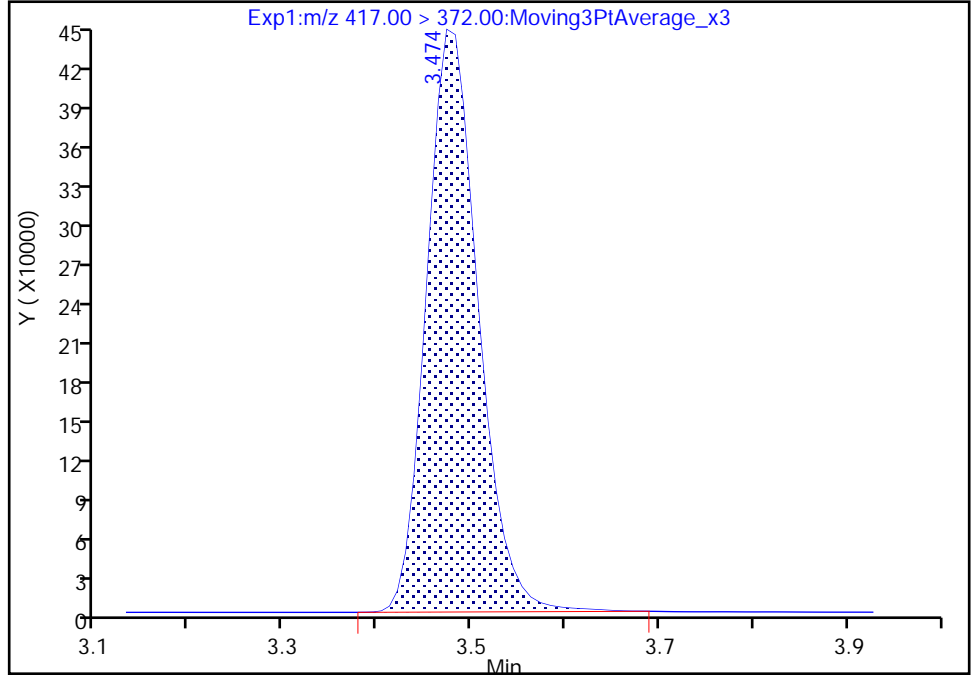
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 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 14 13C4 PFOA, CAS: STL00990
Signal: 1

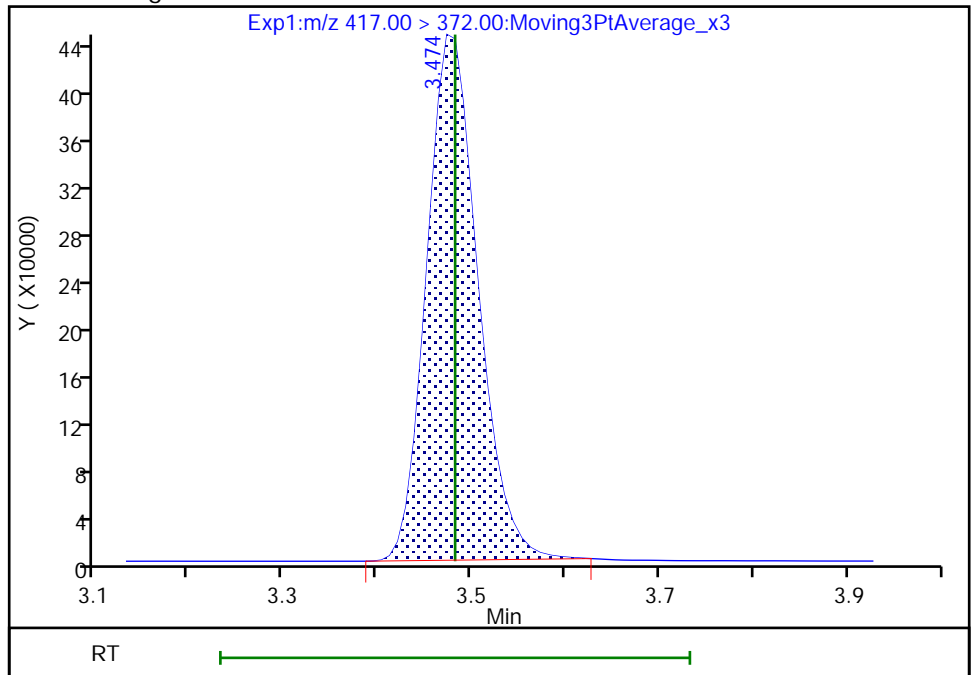
RT: 3.47
Area: 1683402
Amount: 1.270581
Amount Units: ng/ml

Processing Integration Results



RT: 3.47
Area: 1670098
Amount: 1.260540
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:18:51
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

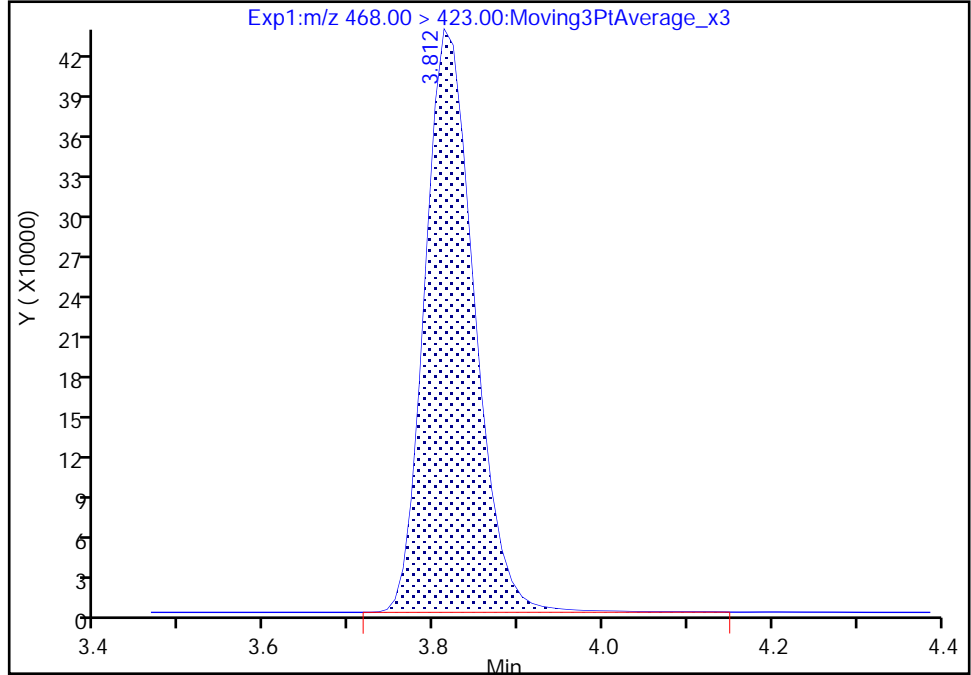
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 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 19 13C5 PFNA, CAS: STL00995
Signal: 1

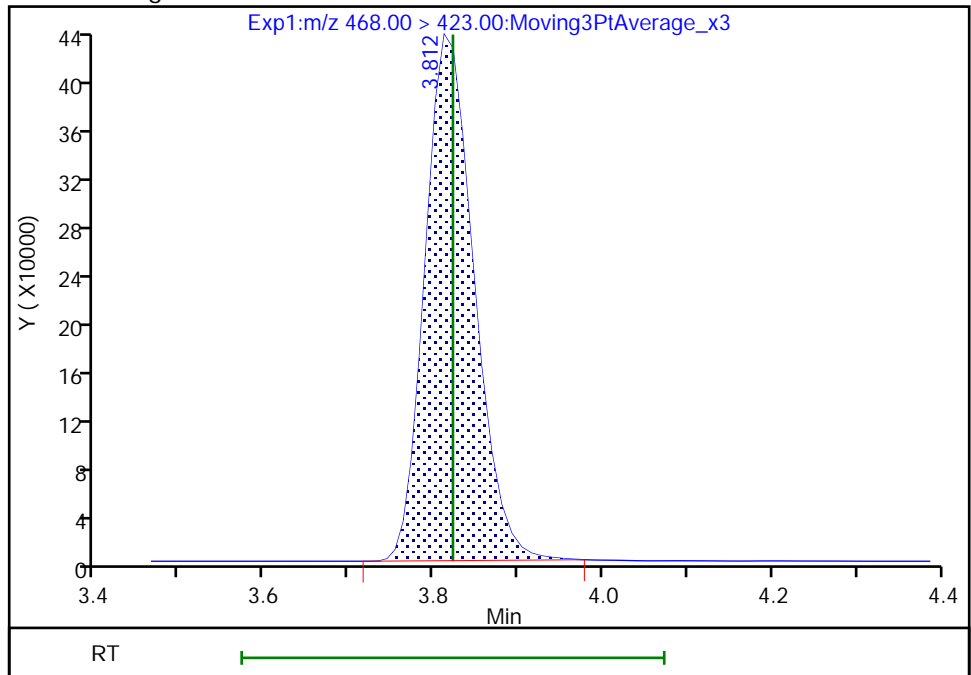
RT: 3.81
Area: 1762565
Amount: 1.281409
Amount Units: ng/ml

Processing Integration Results



RT: 3.81
Area: 1749304
Amount: 1.271768
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:19:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

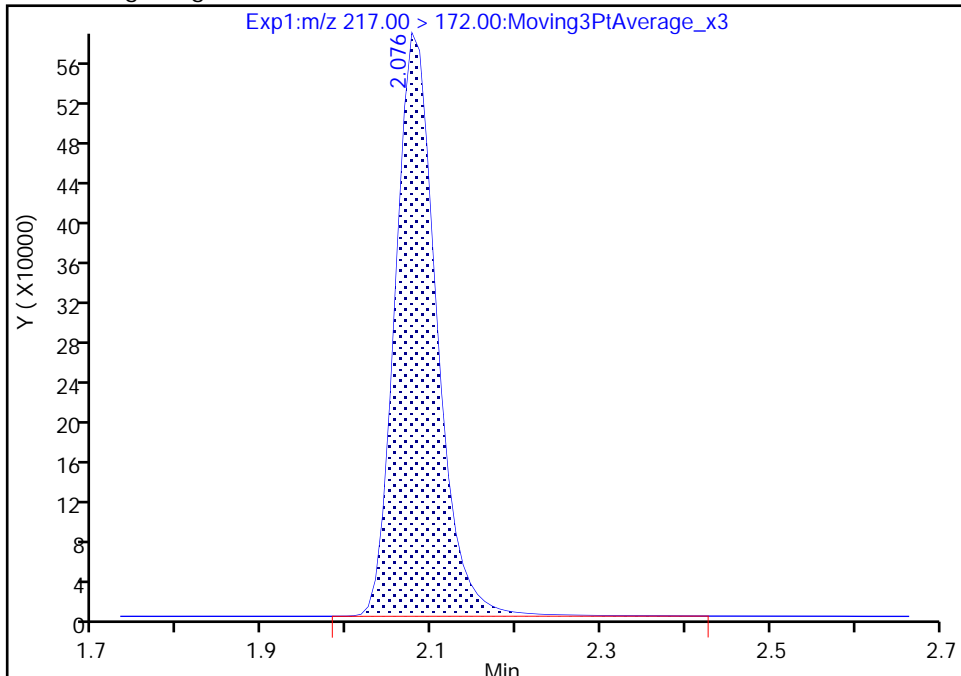
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

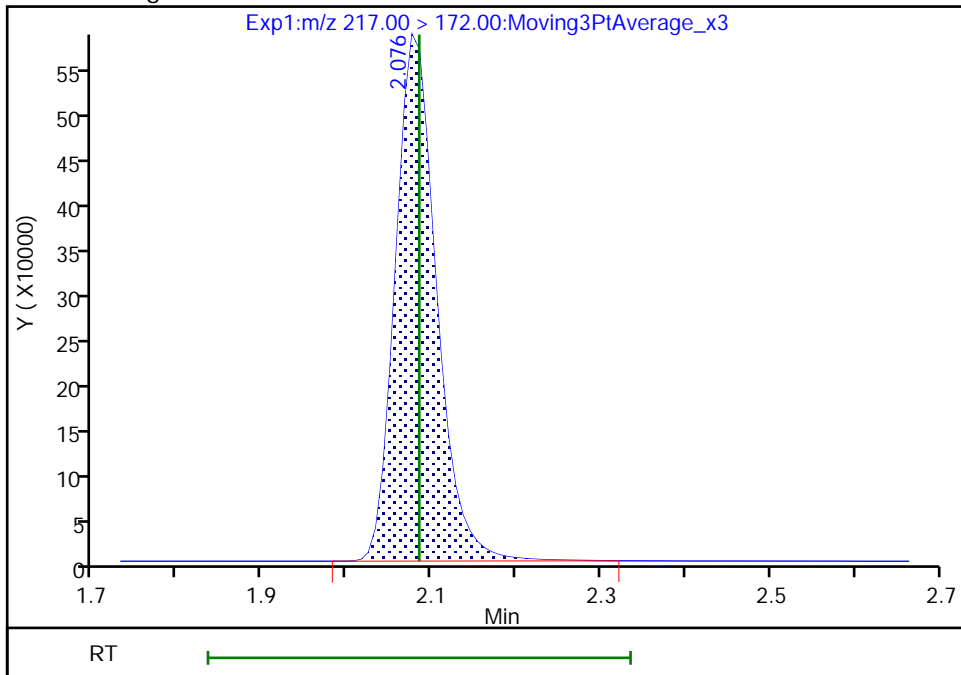
RT: 2.08
Area: 1964772
Amount: 1.210369
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 1960887
Amount: 1.207976
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:09:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

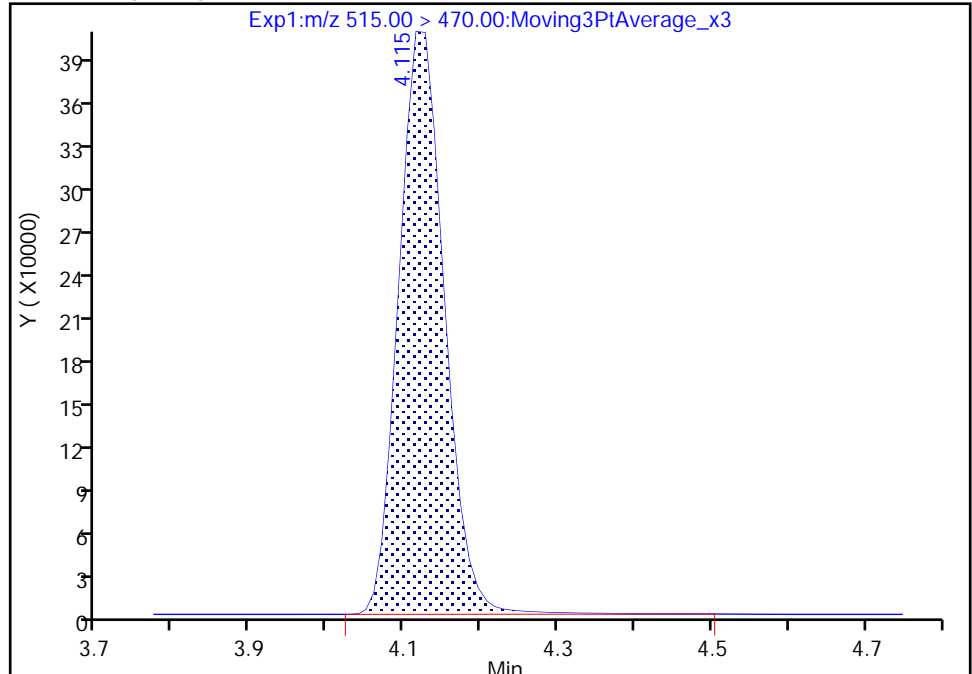
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 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 23 13C2 PFDA, CAS: STL00996
Signal: 1

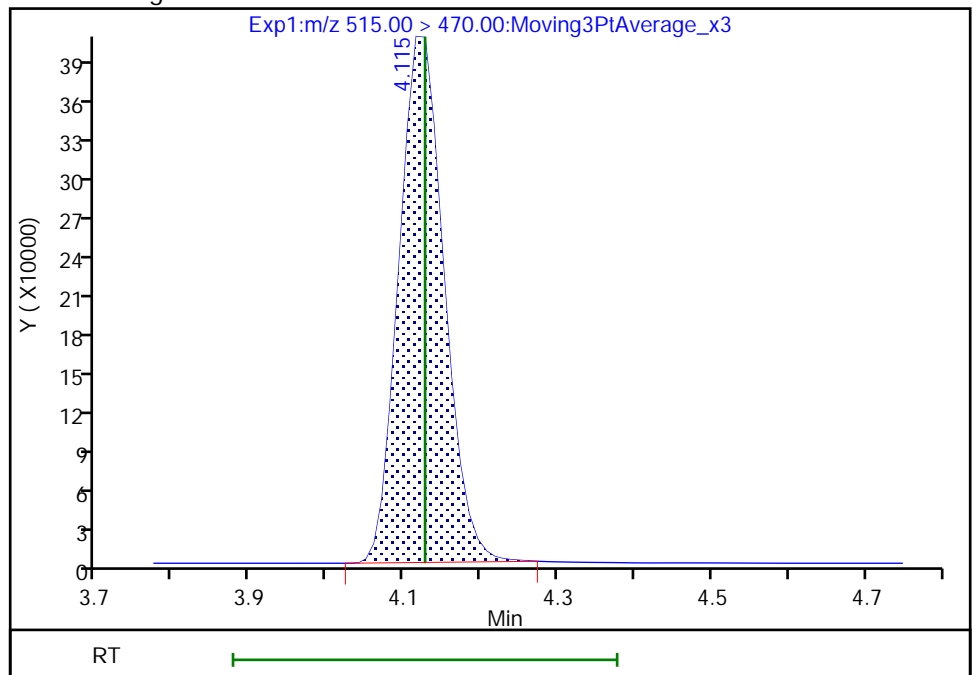
RT: 4.12
Area: 1663534
Amount: 1.242673
Amount Units: ng/ml

Processing Integration Results



RT: 4.12
Area: 1648156
Amount: 1.231185
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:20:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

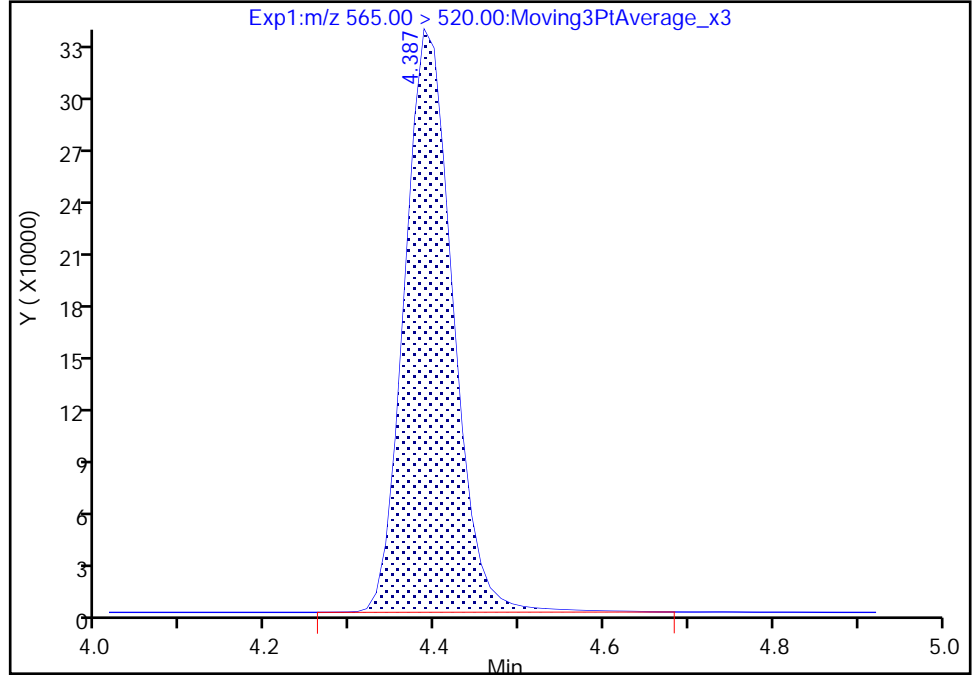
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 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 30 13C2 PFUnA, CAS: STL00997
Signal: 1

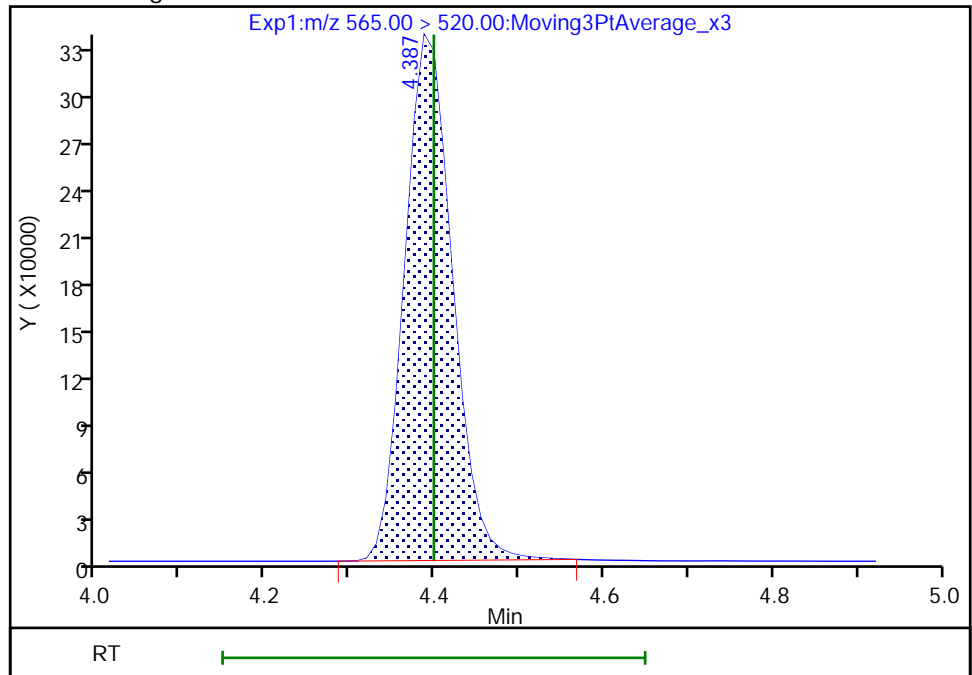
RT: 4.39
Area: 1307700
Amount: 1.289285
Amount Units: ng/ml

Processing Integration Results



RT: 4.39
Area: 1296470
Amount: 1.278214
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:21:39
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

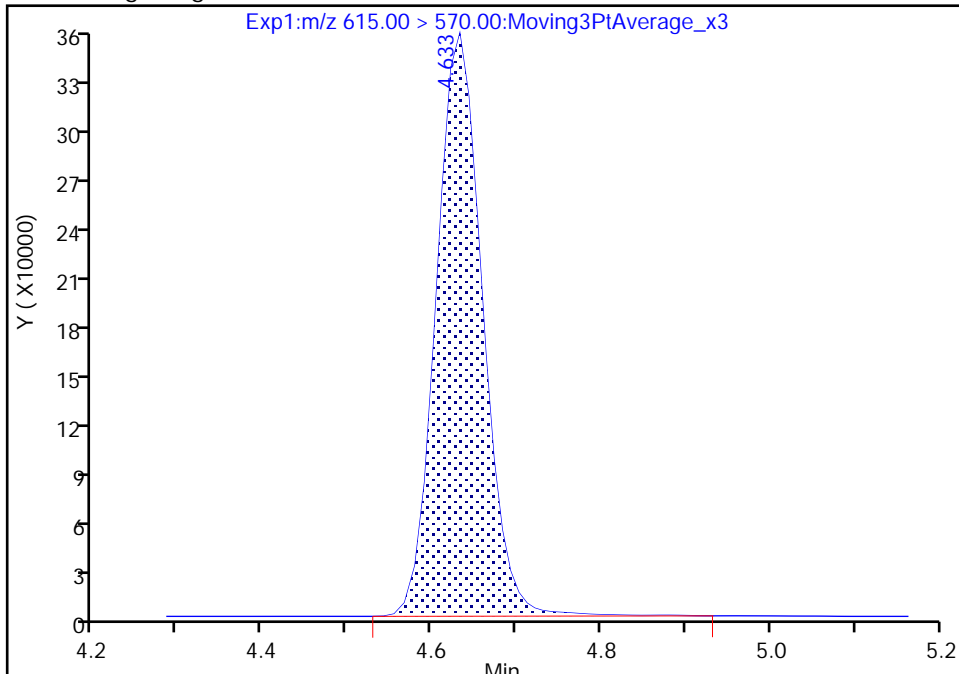
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 36 13C2 PFD_oA, CAS: STL00998

Signal: 1

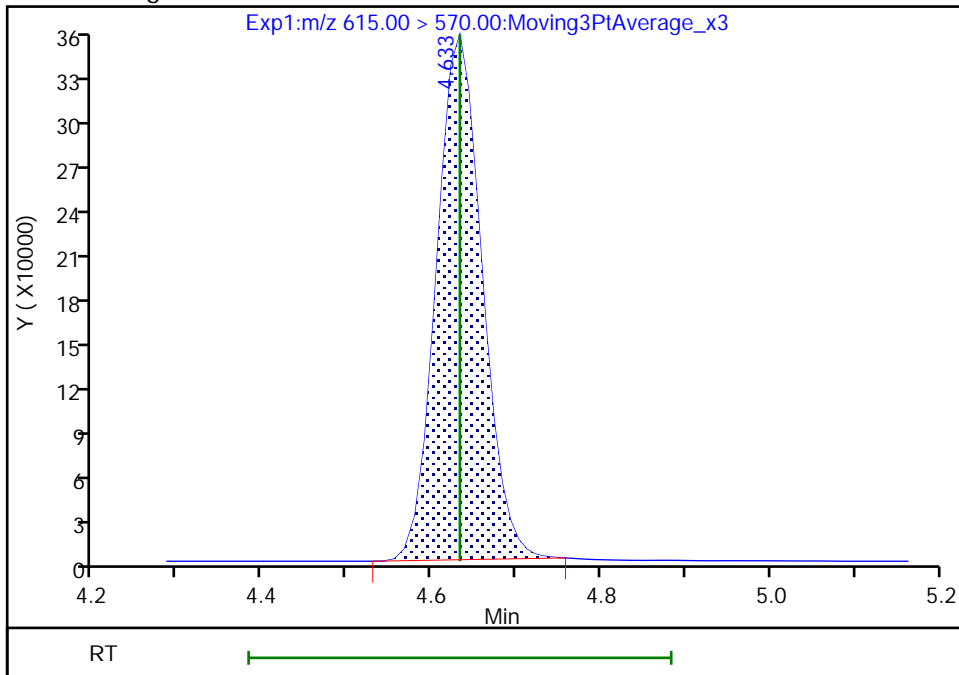
RT: 4.63
Area: 1345417
Amount: 1.280079
Amount Units: ng/ml

Processing Integration Results



RT: 4.63
Area: 1325182
Amount: 1.260827
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:21:57
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

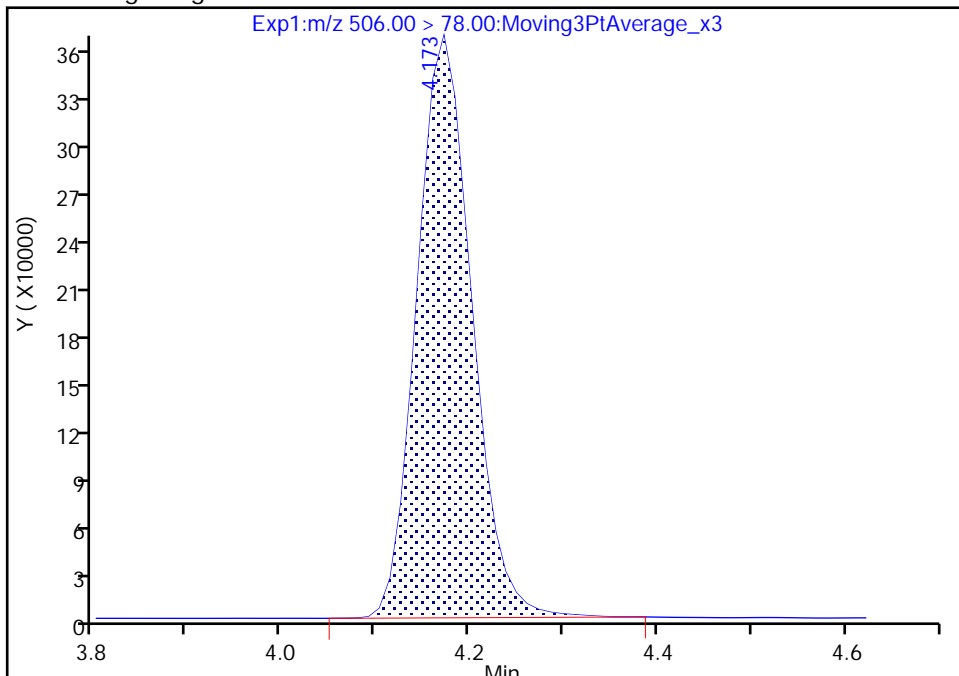
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

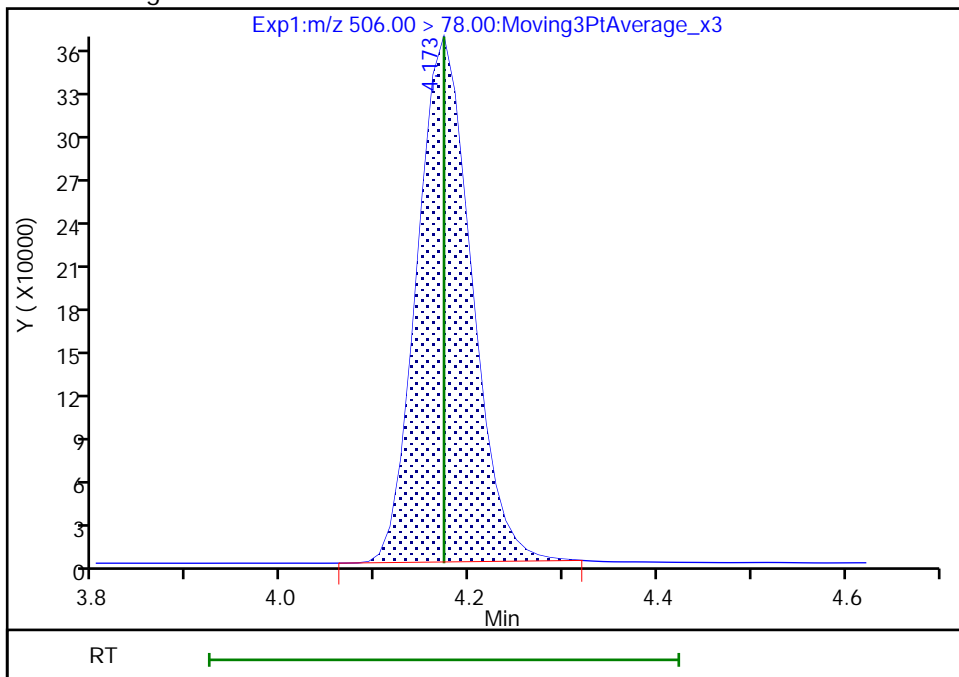
RT: 4.17
Area: 1486276
Amount: 1.268543
Amount Units: ng/ml

Processing Integration Results



RT: 4.17
Area: 1474899
Amount: 1.258832
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:20:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

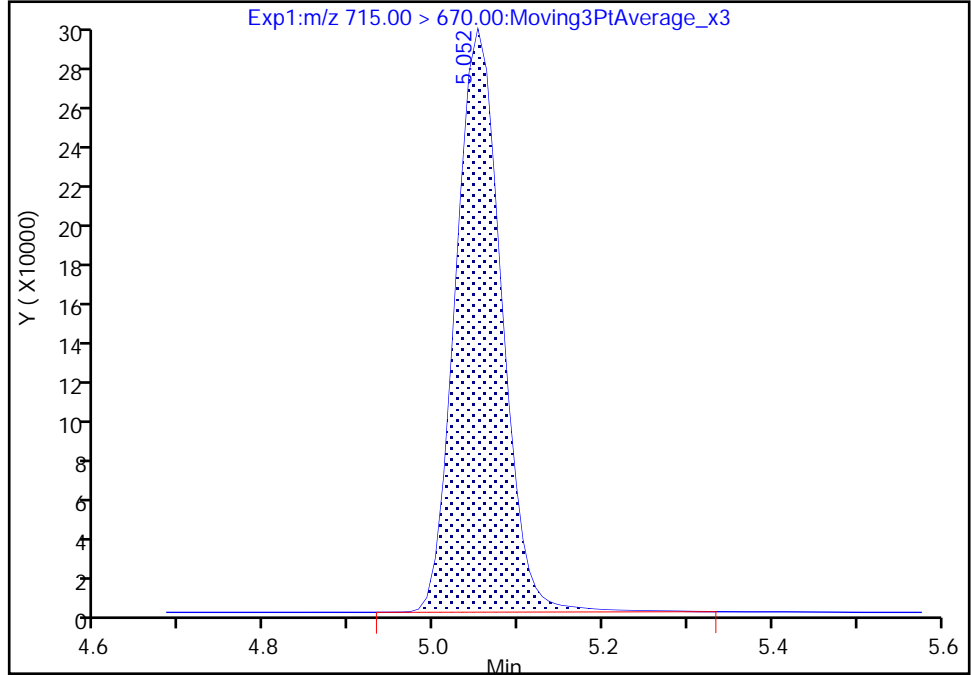
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 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 43 13C2 PFTeDA, CAS: STL02116
Signal: 1

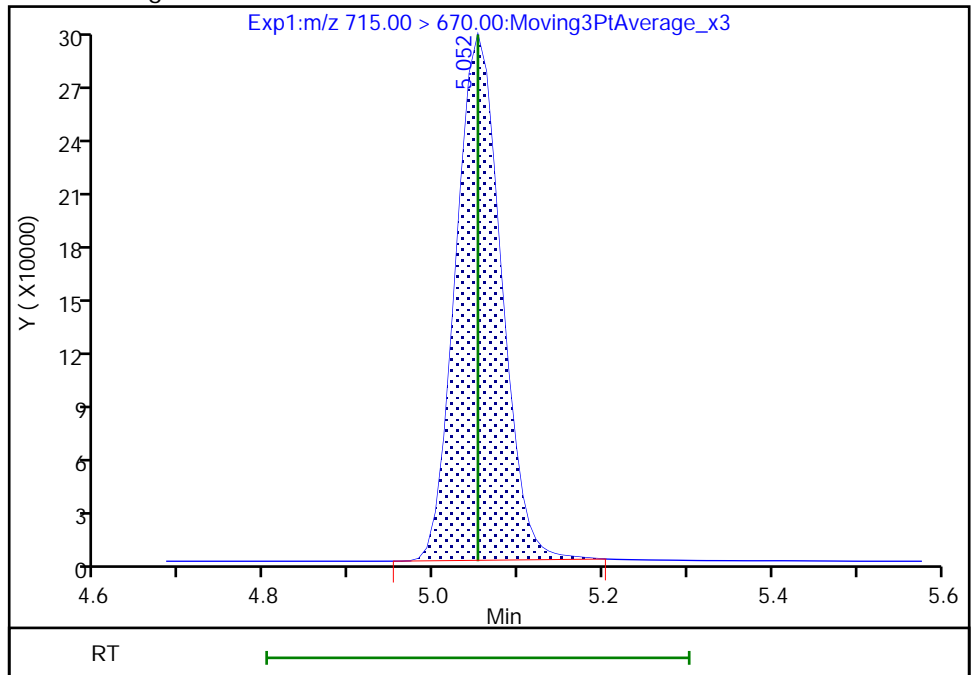
RT: 5.05
Area: 1104105
Amount: 1.285043
Amount Units: ng/ml

Processing Integration Results



RT: 5.05
Area: 1093349
Amount: 1.272525
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:22:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

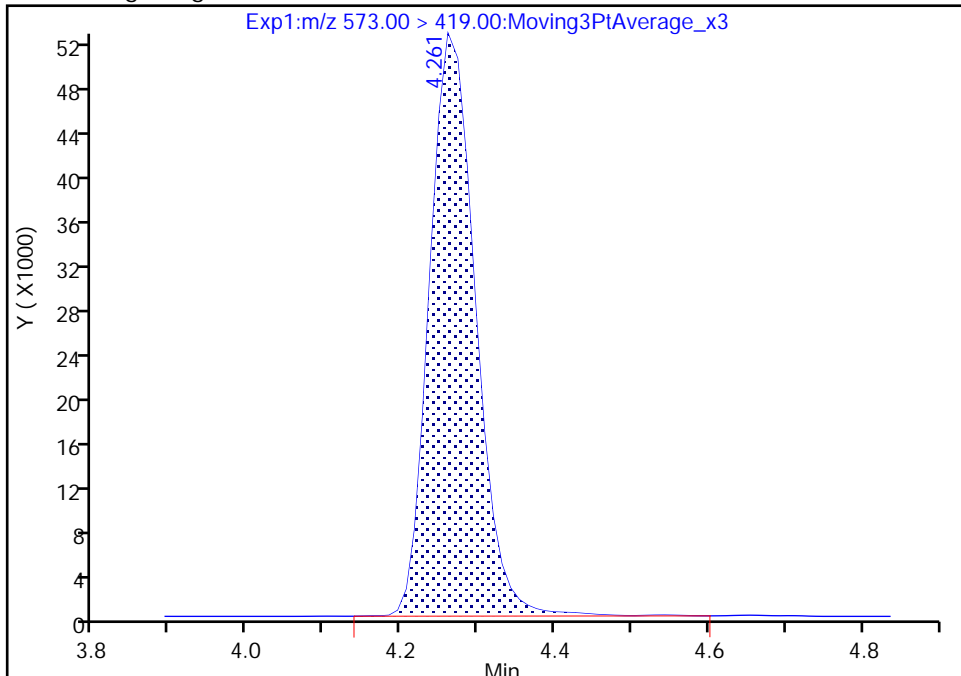
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

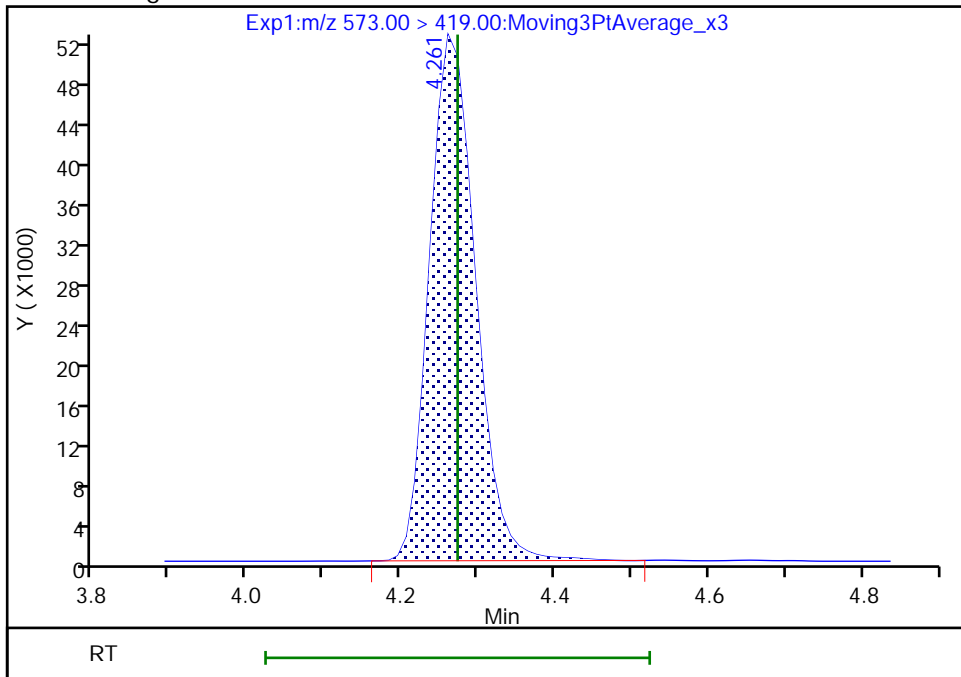
RT: 4.26
Area: 219489
Amount: 1.223294
Amount Units: ng/ml

Processing Integration Results



RT: 4.26
Area: 218608
Amount: 1.218384
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:21:17
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

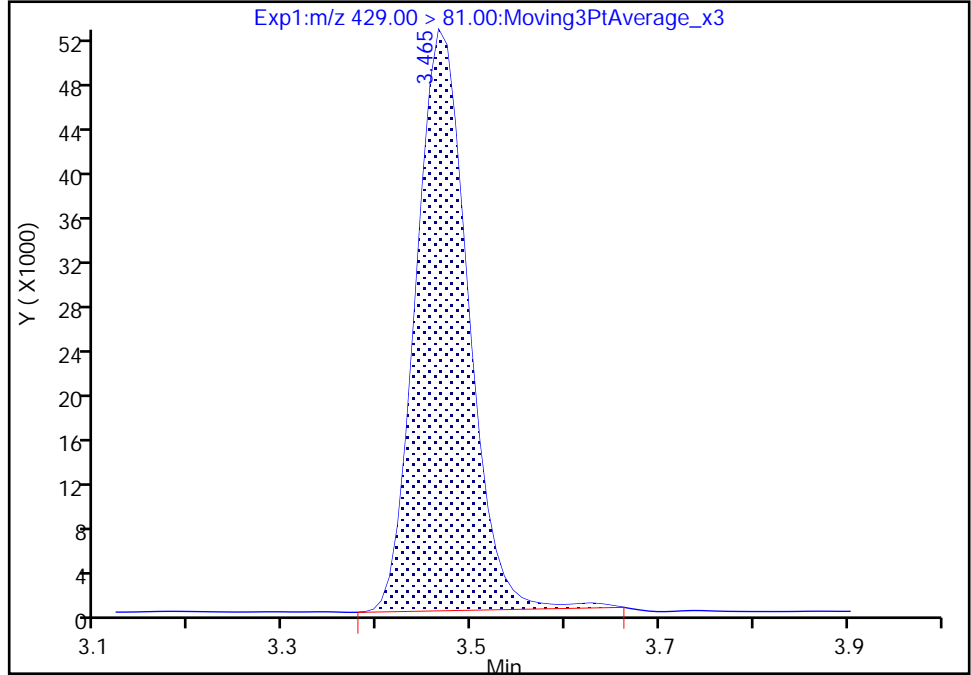
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 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 12 M2-6:2 FTS, CAS: STL02279
Signal: 1

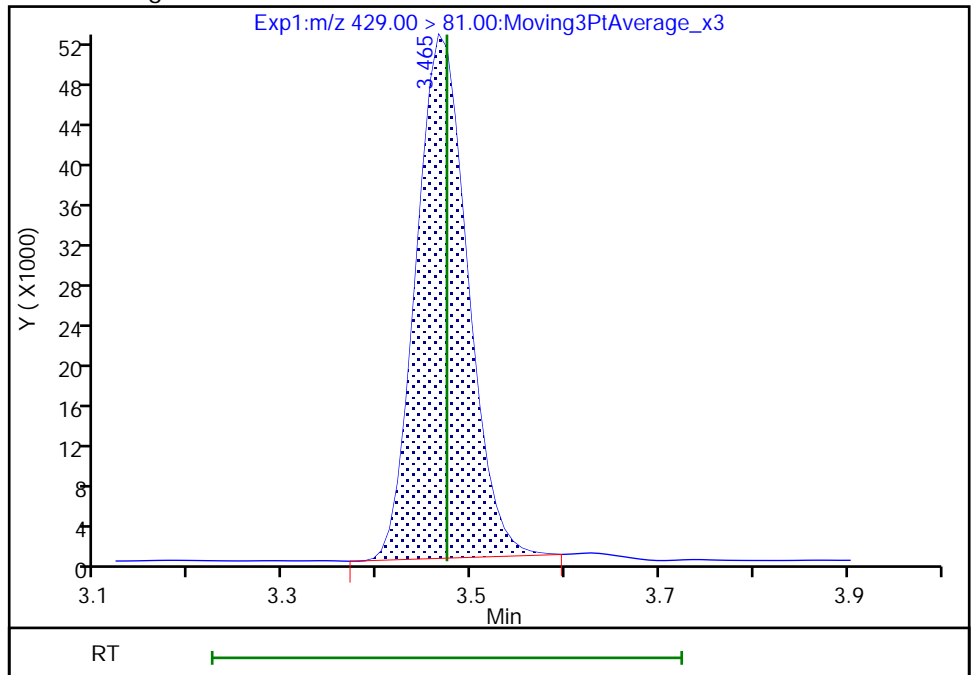
RT: 3.46
Area: 201424
Amount: 1.184406
Amount Units: ng/ml

Processing Integration Results



RT: 3.46
Area: 197884
Amount: 1.163590
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:17:59
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

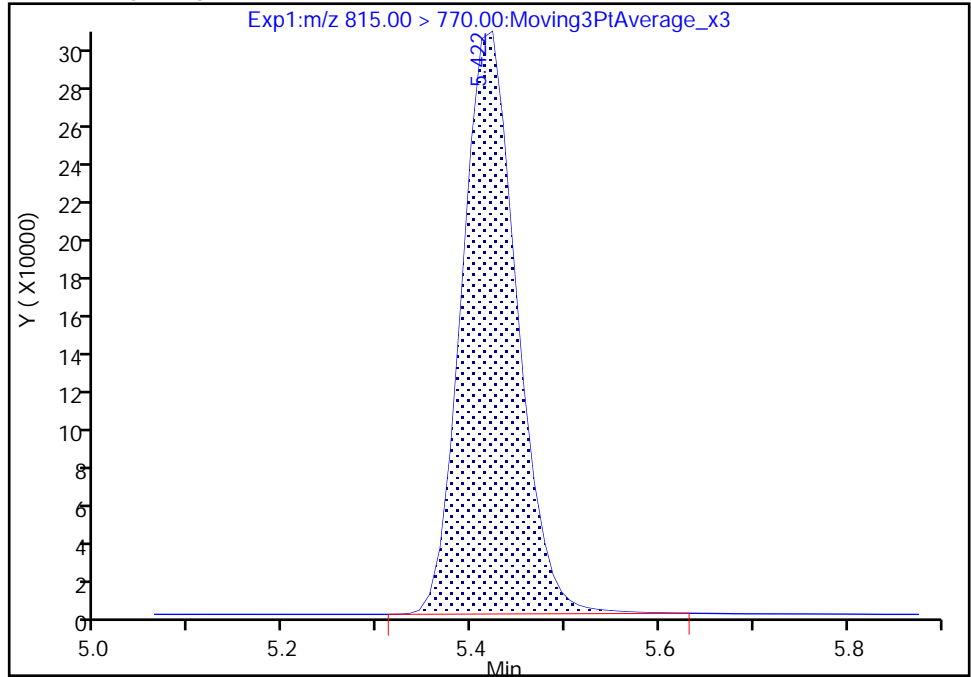
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 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

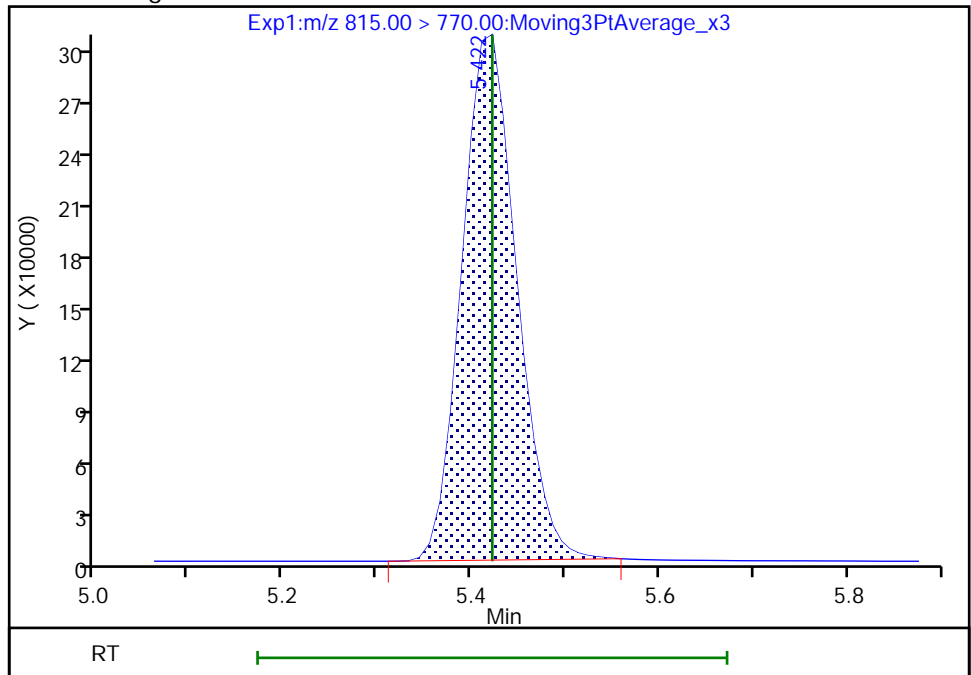
RT: 5.42
Area: 1229467
Amount: 1.256183
Amount Units: ng/ml

Processing Integration Results



RT: 5.42
Area: 1220279
Amount: 1.246795
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 03-Aug-2022 15:22:17
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-264366-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 200-183198/2-A
 Matrix: Solid Lab File ID: PA220902B03B.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: SHAKE Date Extracted: 09/01/2022 07:48
 Sample wt/vol: 5.00 (g) Date Analyzed: 09/02/2022 17:39
 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.: 183258 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	1.968		0.50	0.33
2706-90-3	Perfluoropentanoic acid (PFPeA)	1.930		0.20	0.055
307-24-4	Perfluorohexanoic acid (PFHxA)	2.052		0.20	0.046
375-85-9	Perfluoroheptanoic acid (PFHpA)	1.965		0.20	0.039
335-67-1	Perfluorooctanoic acid (PFOA)	1.912		0.20	0.058
375-95-1	Perfluorononanoic acid (PFNA)	2.012		0.20	0.034
335-76-2	Perfluorodecanoic acid (PFDA)	2.096		0.20	0.028
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1.930		0.20	0.027
307-55-1	Perfluorododecanoic acid (PFDoA)	1.939		0.20	0.025
72629-94-8	Perfluorotridecanoic acid (PFTriA)	1.951		0.20	0.025
376-06-7	Perfluorotetradecanoic acid (PFTeA)	1.689		0.20	0.026
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.693		0.20	0.033
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.686		0.20	0.041
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	1.929		0.20	0.023
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.875		0.20	0.11
335-77-3	Perfluorodecanesulfonic acid (PFDS)	1.797		0.20	0.019
754-91-6	Perfluorooctanesulfonamide (FOSA)	1.911		0.20	0.034
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.005		2.00	0.11
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.916	J	2.00	0.083
27619-97-2	6:2 FTS	2.252		2.00	0.057
39108-34-4	8:2 FTS	2.145		2.00	0.037

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-264366-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 200-183198/2-A
 Matrix: Solid Lab File ID: PA220902B03B.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: SHAKE Date Extracted: 09/01/2022 07:48
 Sample wt/vol: 5.00(g) Date Analyzed: 09/02/2022 17:39
 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.: 183258 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	99		50-150
STL01892	13C4 PFHpA	95		50-150
STL00990	13C4 PFOA	94		50-150
STL00991	13C4 PFOS	91		50-150
STL00995	13C5 PFNA	87		50-150
STL00992	13C4 PFBA	91		50-150
STL00993	13C2 PFHxA	97		50-150
STL00996	13C2 PFDA	88		50-150
STL00997	13C2 PFUnA	86		50-150
STL00998	13C2 PFDoA	81		50-150
STL01056	13C8 FOSA	97		50-150
STL01893	13C5 PFPeA	102		50-150
STL02116	13C2 PFTeDA	80		50-150
STL02118	d3-NMeFOSAA	108		50-150
STL02117	d5-NEtFOSAA	111		50-150
STL02279	M2-6:2 FTS	103		50-150
STL02280	M2-8:2 FTS	112		50-150
STL02337	13C3 PFBS	98		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B03B.d
 Lims ID: LCS 200-183198/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 02-Sep-2022 17:39:25 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: LCS 200-183198/2-A
 Misc. Info.: 200-0052318-003 Plate: 1 Rack: 2
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 06-Sep-2022 13:25:25 Calib Date: 03-Aug-2022 13:41:11
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1638

First Level Reviewer: nampitakw Date: 05-Sep-2022 09:41:30

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	2.076	2.068	0.008	0.602	1569170	1.14	91.1	9493	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.076	2.068	0.008	1.000	1197795	0.9840		98.4	139	M
D 3 13C5 PFPeA	267.90 > 223.00	2.373	2.374	-0.001	0.688	1356650	1.28	102	2633	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.373	2.374	-0.001	1.000	1079943	0.9652		96.5	30.5	M
D 47 13C3 PFBS	301.90 > 80.00	2.386	2.387	-0.001	0.692	1398494	1.14	98.1	211825	M
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.400	2.387	0.013	1.006	1123891	0.8463	Target=2.23	95.7	1273	
298.90 > 99.00	2.400	2.387	0.013	1.006	522085		2.15(1.11-3.34)		374	
61 1H,1H,2H,2H-perfluorohexanesulfo	327.00 > 307.00	2.689	2.677	0.012	1.000	277321	1.00	107	1965	
D 60 M2-4:2 FTS	329.00 > 81.00	2.689	2.677	0.012	0.780	136386	1.29	111	137	M
D 7 13C2 PFHxA	315.00 > 270.00	2.725	2.713	0.012	0.790	1287926	1.22	97.3	3486	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.725	2.713	0.012	1.000	1103062	1.03	Target=12.24	103	234	M
313.00 > 119.00	2.725	2.713	0.012	1.000	78370		14.08(6.12-18.36)		134	
70 Perfluoropentanesulfonic acid	349.00 > 80.00	2.725	2.713	0.012	0.883	974395	0.8773	Target=2.95	93.5	1246
349.00 > 99.00	2.725	2.713	0.012	0.883	316384		3.08(1.48-4.43)		651	
D 64 13C3 HFPO-DA	287.00 > 169.00	2.835	2.823	0.012	0.822	221257	1.11	88.8	1950	

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	2.823	0.012	1.000	192410	1.01	101	2352	
8 Perfluorohexanesulfonic acid	399.00 > 80.00	3.088	3.077	0.011	1.000	796375	0.8429	92.6	1201	M
	399.00 > 99.00	3.088	3.077	0.011	1.000	223308	3.57(1.72-5.15)		342	M
D 11 18O2 PFHxS	403.00 > 84.00	3.088	3.077	0.011	0.896	1012899	1.17	99.3	2356	
D 9 13C4 PFHpA	367.00 > 322.00	3.088	3.077	0.011	0.896	1298504	1.18	94.6	3932	
10 Perfluoroheptanoic acid	363.00 > 319.00	3.088	3.077	0.011	1.000	1051592	0.9823	98.2	299	M
	363.00 > 169.00	3.088	3.077	0.011	1.000	269566	3.90(1.86-5.59)		838	M
77 DONA	377.00 > 251.00	3.132	3.110	0.022	0.832	2515298	1.04	110	2369	M
	377.00 > 85.00	3.132	3.110	0.022	0.832	862509	2.92(1.42-4.26)		1050	M
D 12 M2-6:2 FTS	429.00 > 81.00	3.439	3.422	0.017	0.997	176335	1.22	103	433	
13 1H,1H,2H,2H-perfluorooctanesulfo	427.00 > 407.00	3.439	3.422	0.017	1.000	247330	1.13	119	664	M
16 Perfluoroheptanesulfonic acid	449.00 > 80.00	3.430	3.422	0.008	0.911	701556	0.9647	101	1506	M
	449.00 > 99.00	3.439	3.422	0.017	0.914	136180	5.15(2.44-7.33)		817	M
D 14 13C4 PFOA	417.00 > 372.00	3.448	3.430	0.018	1.000	1319078	1.17	93.8	2032	
* 62 13C2 PFOA	415.00 > 370.00	3.448	3.430	0.018		1476559	1.25		3446	M
15 Perfluorooctanoic acid	413.00 > 369.00	3.448	3.430	0.018	1.000	1131434	0.9561	95.6	73.2	M
	413.00 > 169.00	3.448	3.430	0.018	1.000	417927	2.71(1.34-4.01)		721	M
D 18 13C4 PFOS	503.00 > 80.00	3.764	3.745	0.019	1.092	703092	1.09	91.3	2265	
17 Perfluorooctanesulfonic acid	499.00 > 80.00	3.764	3.745	0.019	1.000	559617	0.9375	101	400	M
	499.00 > 99.00	3.764	3.745	0.019	1.000	111713	5.01(2.44-7.32)		512	M
D 19 13C5 PFNA	468.00 > 423.00	3.783	3.764	0.019	1.097	1272698	1.09	87.2	3713	
20 Perfluorononanoic acid	463.00 > 419.00	3.783	3.764	0.019	1.000	1041953	1.01	101	310	
	463.00 > 169.00	3.783	3.764	0.019	1.000	126433	8.24(4.11-12.34)		889	
69 9-Chlorohexadecafluoro-3-oxanona	531.00 > 351.00	3.928	3.916	0.012	1.044	1104904	1.06	114	3167	
68 Perfluorononanesulfonic acid	549.00 > 80.00	4.061	4.042	0.019	1.079	433747	0.9416	98.1	1786	
	549.00 > 99.00	4.061	4.042	0.019	1.079	167645	2.59(1.26-3.79)		832	
D 23 13C2 PFDA	515.00 > 470.00	4.081	4.061	0.020	1.184	1250715	1.10	88.0	2254	

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	4.061	0.020	1.000	1102866	1.05	Target=9.67	105	502	
513.00 > 169.00	4.081	4.061	0.020	1.000	99591		11.07(4.83-14.50)		222	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.093	4.071	0.022	1.187	233518	1.34		112	756	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.093	4.071	0.022	1.000	201966	1.07		112	768	M
D 21 13C8 FOSA										
506.00 > 78.00	4.138	4.127	0.011	1.200	1206494	1.21		97.0	2262	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.138	4.127	0.011	1.000	939807	0.9555		95.6	1790	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.228	4.207	0.021	1.226	206356	1.35		108	730	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.228	4.218	0.010	1.000	147005	1.00		100	349	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.331	4.308	0.023	1.151	307962	0.8983	Target=2.80	93.2	1937	
599.00 > 99.00	4.331	4.308	0.023	1.151	115646		2.66(1.40-4.20)		939	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.353	4.342	0.011	1.263	920632	1.07		85.5	2762	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.353	4.342	0.011	1.000	752892	0.9649	Target=9.07	96.5	391	
563.00 > 169.00	4.353	4.342	0.011	1.000	81494		9.24(4.54-13.61)		749	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.365	4.342	0.023	1.266	200158	1.39		111	1154	
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.376	4.354	0.022	1.003	139311	0.9582		95.8	558	M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.454	4.432	0.022	1.183	1269083	0.9381		99.6	2028	
D 36 13C2 PFDaA										
615.00 > 570.00	4.591	4.580	0.011	1.332	905640	1.01		81.2	2427	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.602	4.580	0.022	1.002	712504	0.9697	Target=6.97	97.0	113	
613.00 > 169.00	4.591	4.580	0.011	1.000	97079		7.34(3.48-10.45)		885	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.612	4.602	0.010	1.127	79561	0.9044		93.8	558	
75 Perfluorododecanesulfonic acid (
699.00 > 80.00	4.776	4.758	0.018	1.269	109354	0.7184	Target=0.52	74.2	957	M
699.00 > 99.00	4.776	4.758	0.018	1.269	212783		0.51(0.26-0.79)		2259	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.813	4.785	0.028	1.048	621272	0.9754	Target=4.56	97.5	108	M
663.00 > 169.00	4.813	4.785	0.028	1.048	121848		5.10(2.28-6.84)		871	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.012	4.992	0.020	1.454	729698	1.00		80.0	2164	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.012	4.992	0.020	1.000	78961	0.8443	Target=0.94	84.4	814	M
713.00 > 219.00	5.012	4.992	0.020	1.000	88510		0.89(0.47-1.41)		696	M

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	5.378	5.344	0.034	1.560	783752	0.9429		75.4	2379	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.378	5.344	0.034	1.000	572860	1.00	Target=4.38	100	165	M
813.00 > 169.00	5.378	5.344	0.034	1.000	113369		5.05(2.19-6.57)		1020	M
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.731	5.695	0.036	1.066	454749	1.09	Target=4.31	109	155	
913.00 > 169.00	5.722	5.695	0.027	1.064	90747		5.01(2.16-6.47)		483	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromf\Burlington\ChromData\LC812\20220902-52318.b\PA220902B03B.d

Injection Date: 02-Sep-2022 17:39:25

Instrument ID: LC812

Lims ID: LCS 200-183198/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#: 3

Worklist Smp#: 3

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

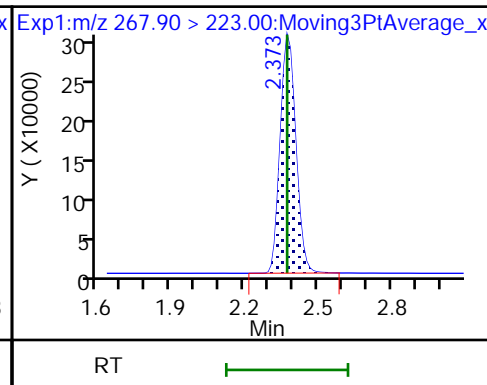
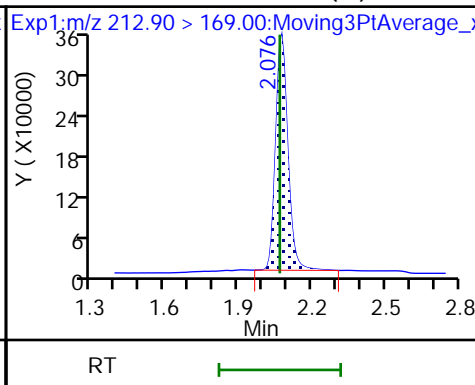
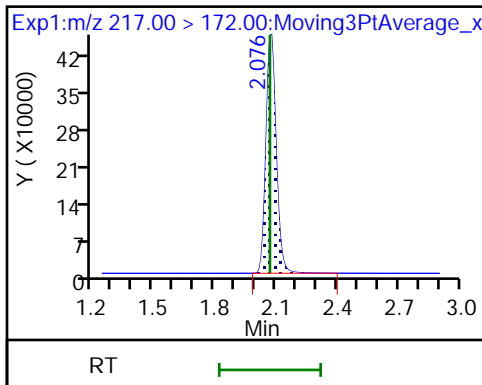
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

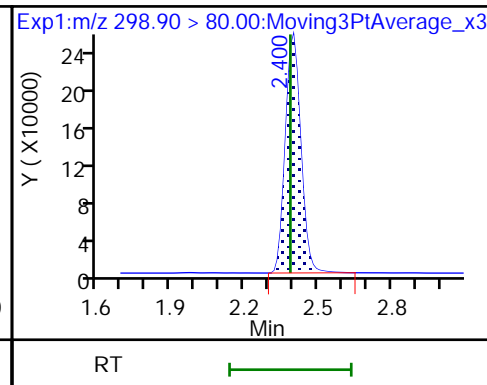
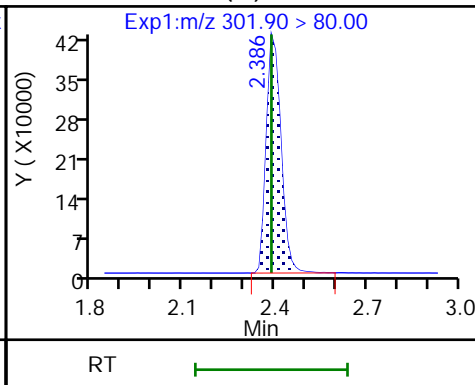
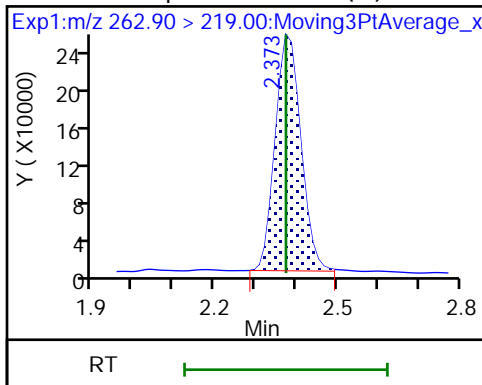
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

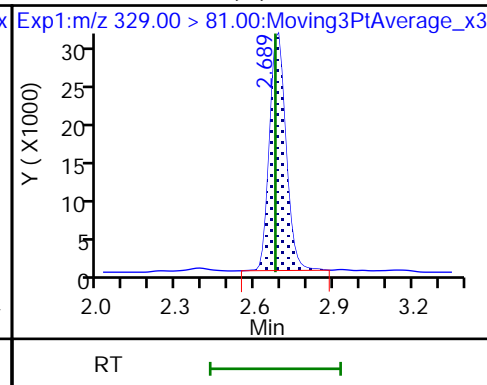
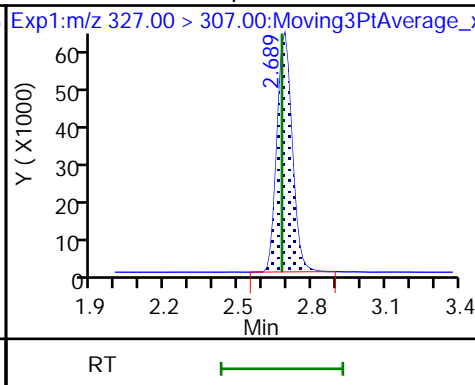
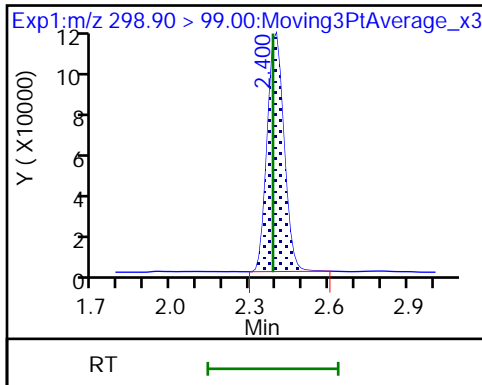
D 47 13C3 PFBS (M)

5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid

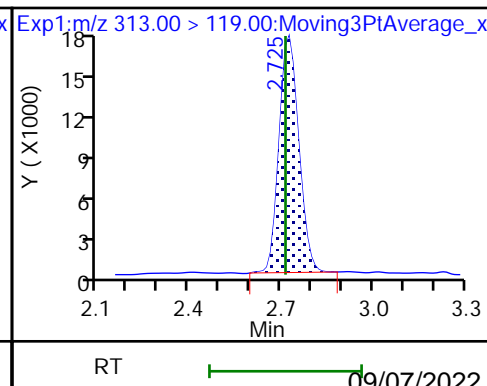
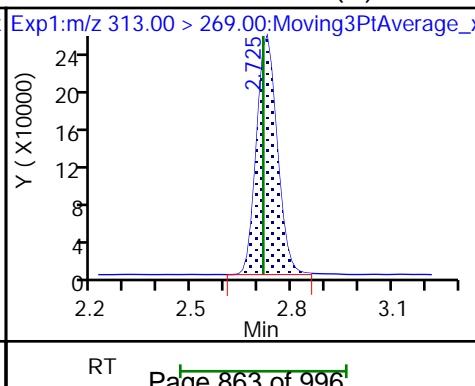
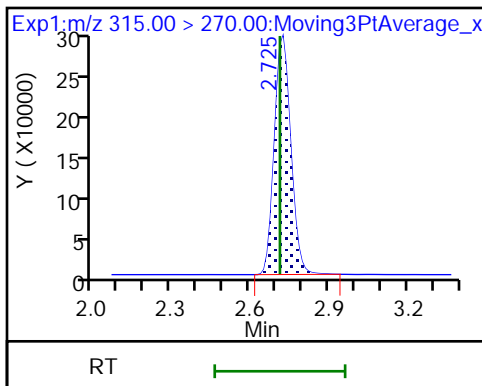
61 1H,1H,2H,2H-perfluorohexanesulfo D 60 M2-4:2 FTS (M)

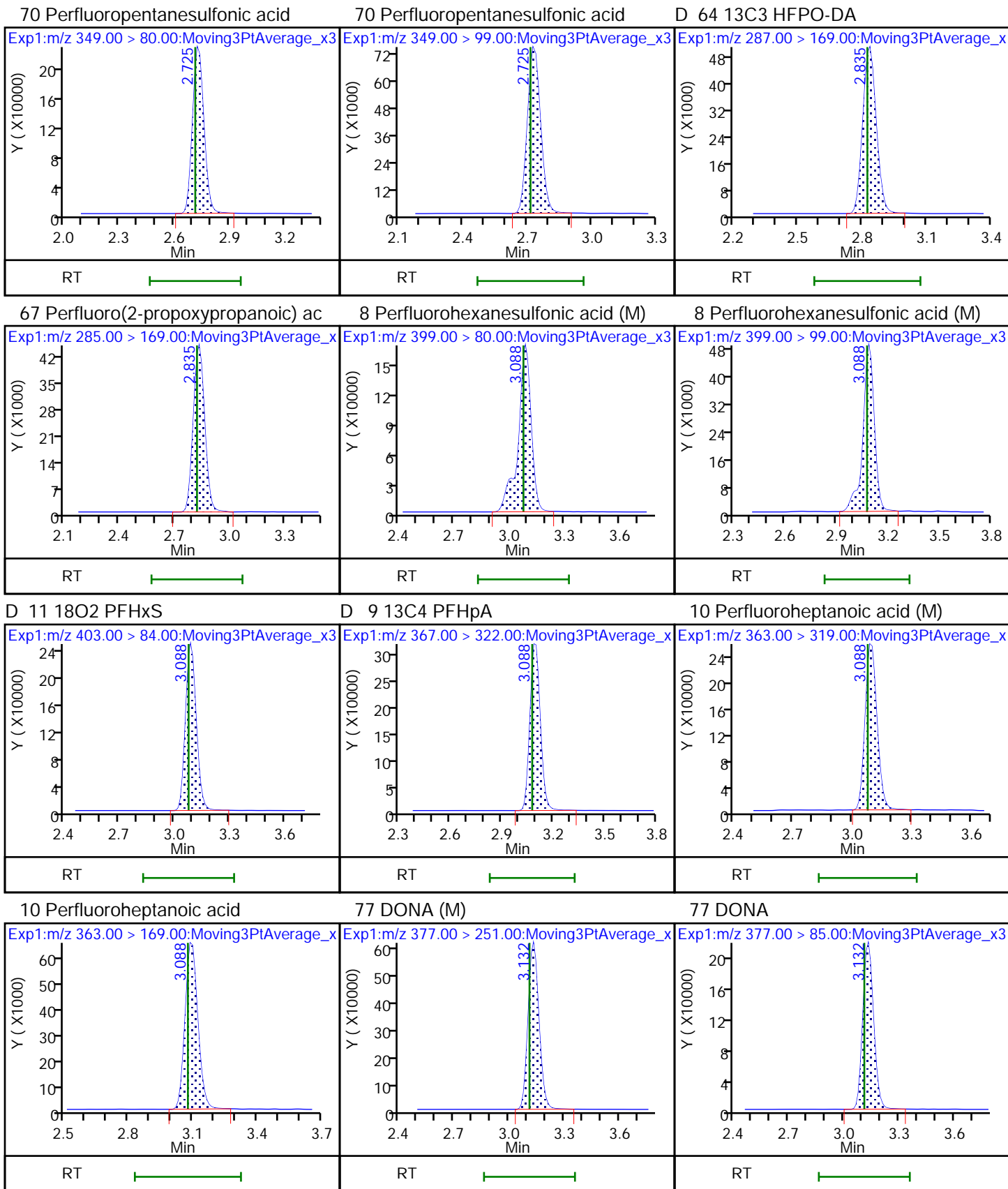


D 7 13C2 PFHxA

6 Perfluorohexanoic acid (M)

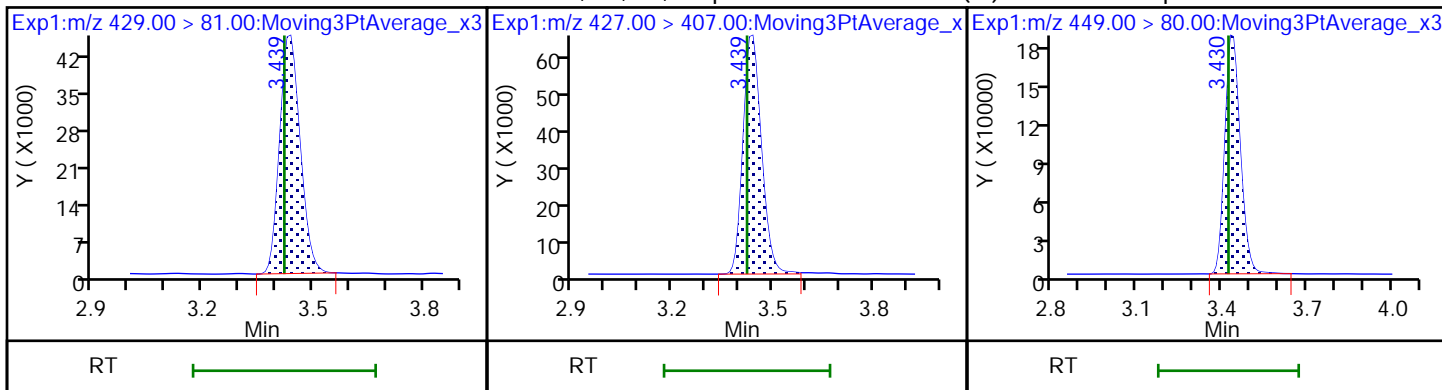
6 Perfluorohexanoic acid





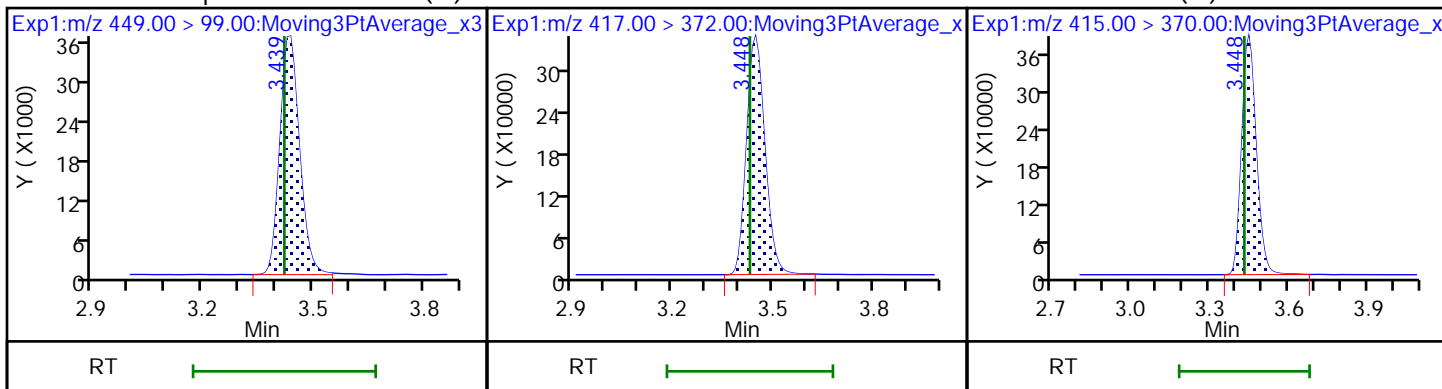
D 12 M2-6:2 FTS

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



16 Perfluoroheptanesulfonic acid (M) D 14 13C4 PFOA

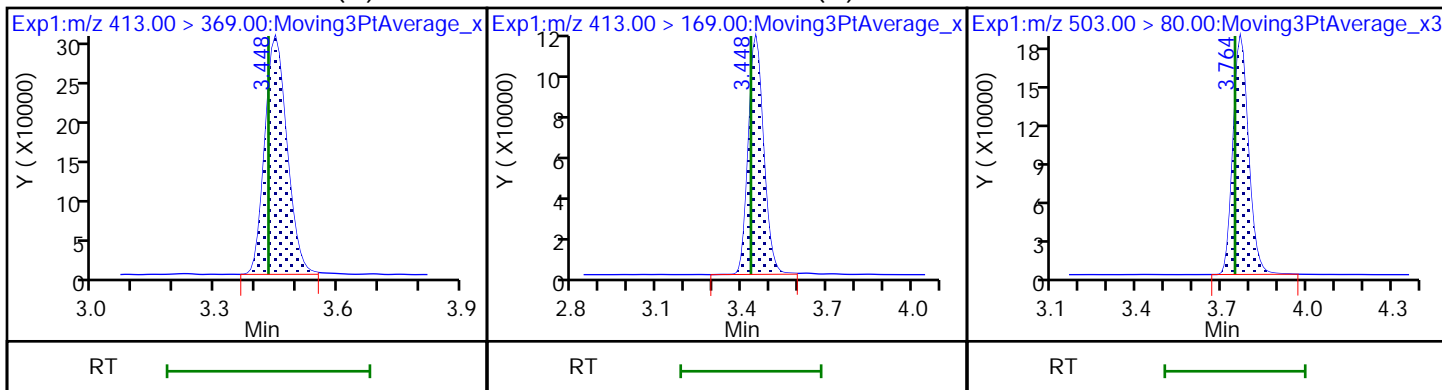
* 62 13C2 PFOA (M)



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

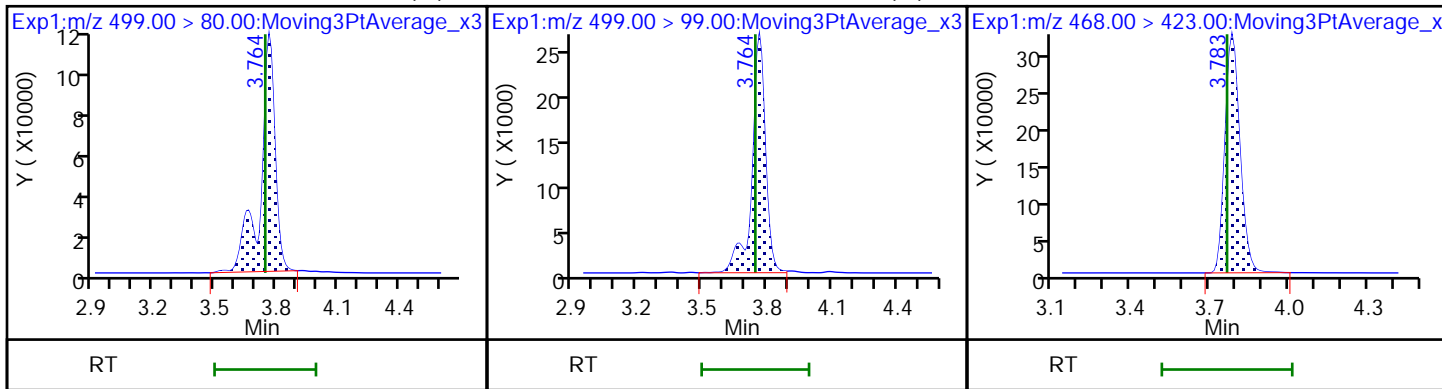
D 18 13C4 PFOS

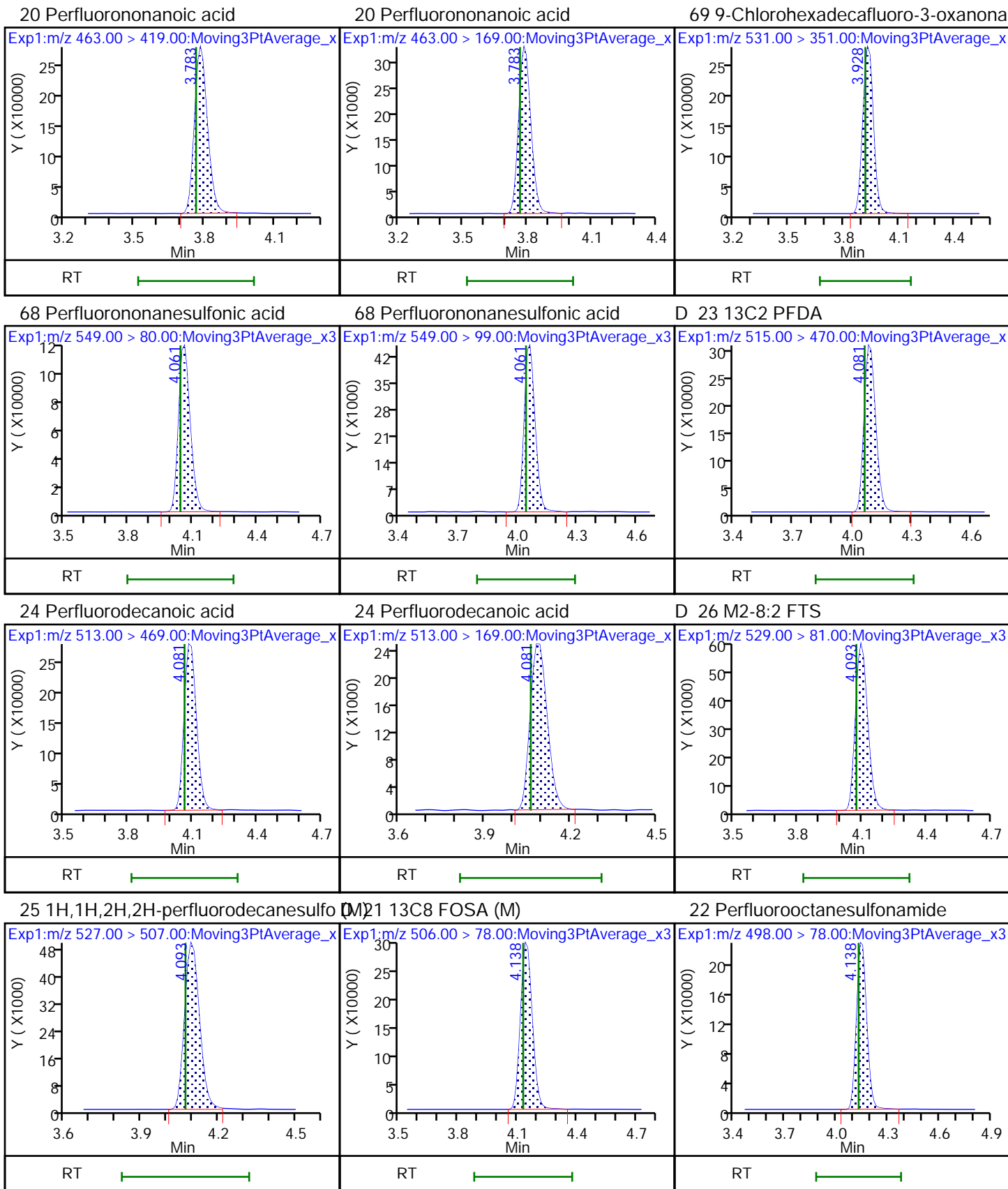


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

D 19 13C5 PFNA

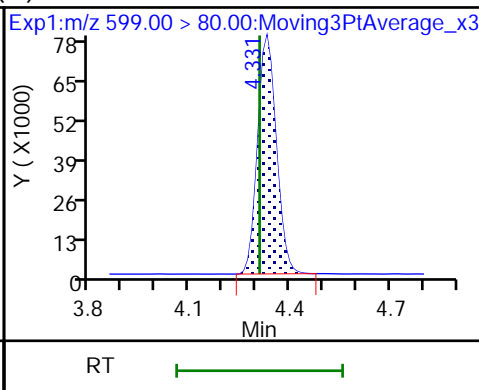
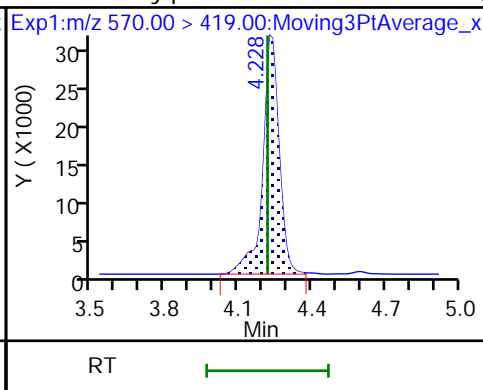
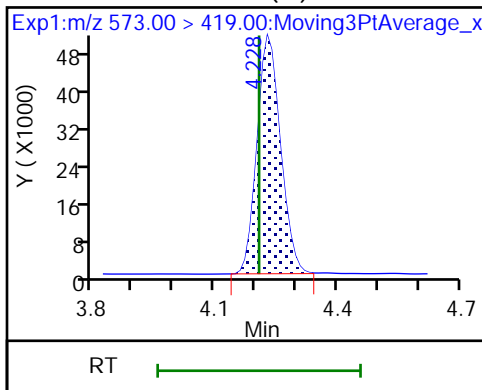




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

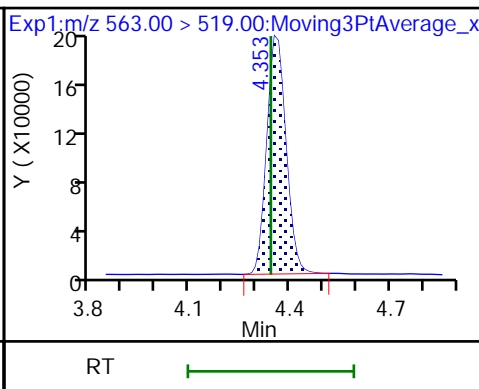
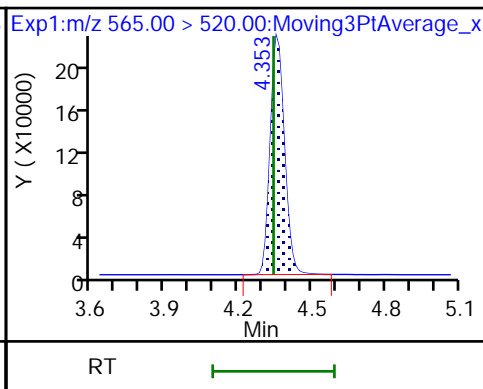
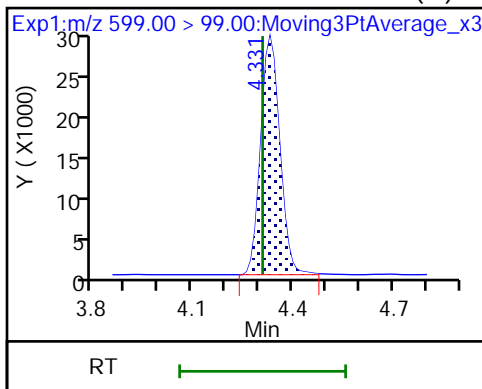
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUoA

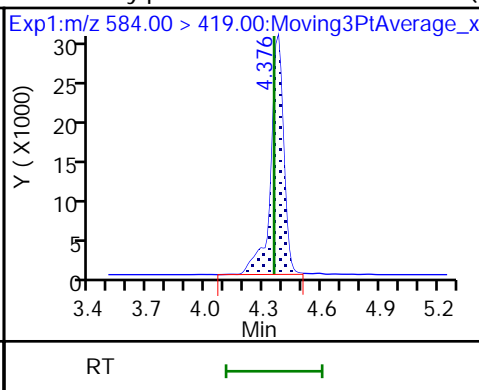
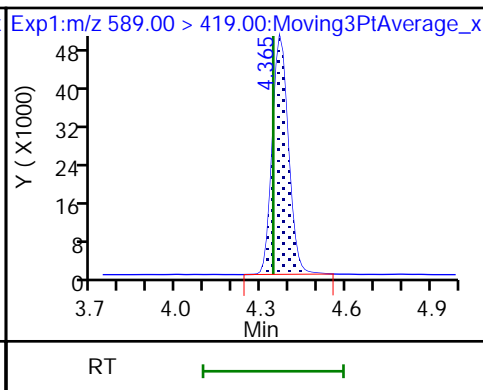
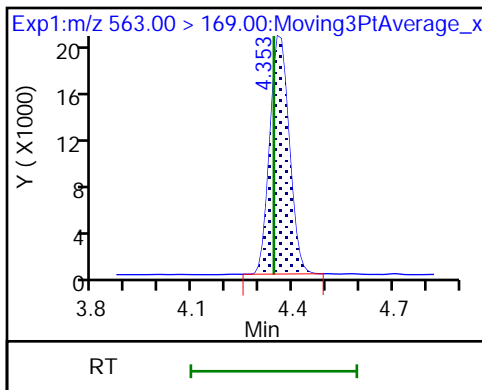
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid

D 32 d5-NEtFOSAA

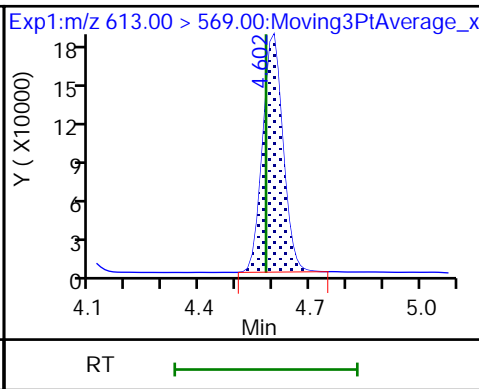
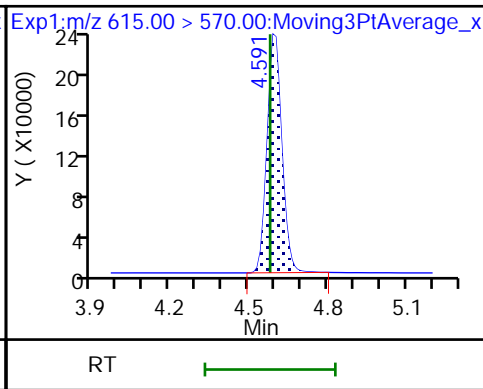
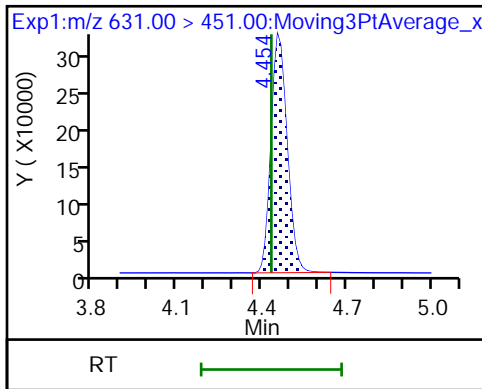
33 N-ethylperfluorooctanesulfonamid (M)

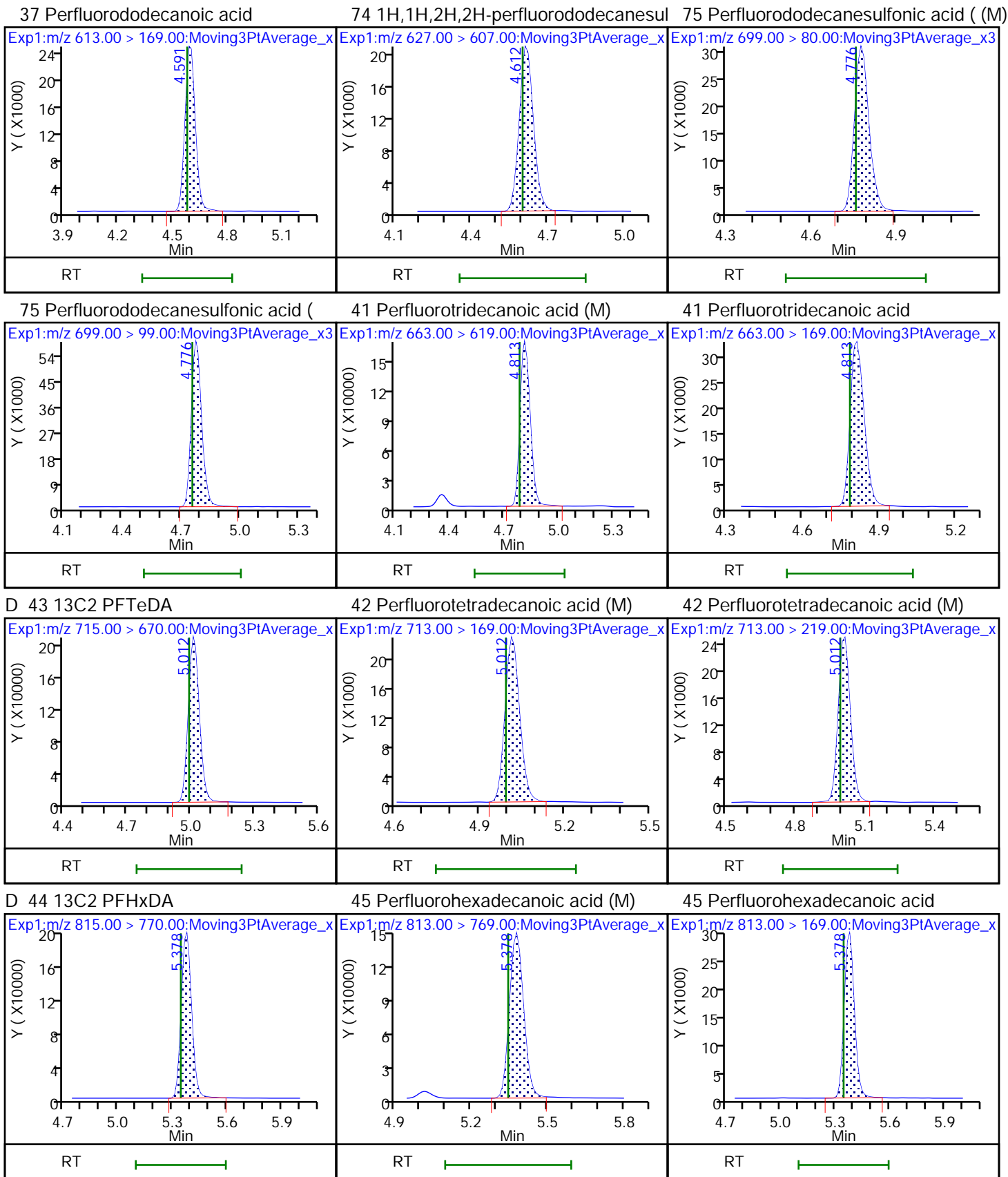


66 11-Chloroeicosafuoro-3-oxaundec

D 36 13C2 PFDoA

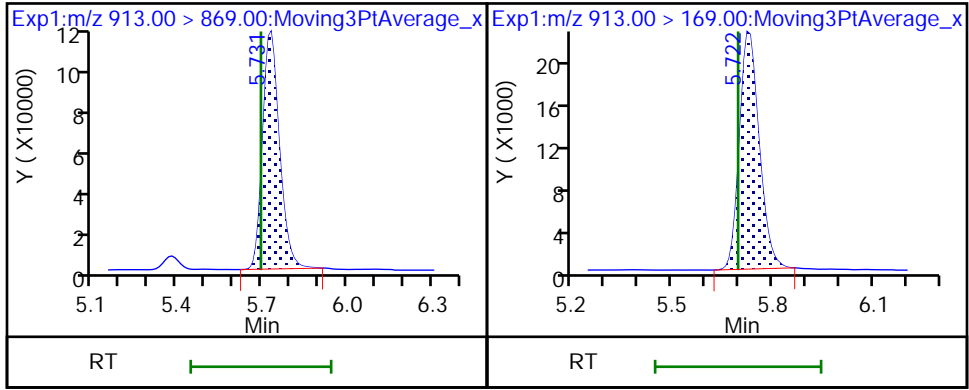
37 Perfluorododecanoic acid





46 Perfluorooctadecanoic acid

46 Perfluorooctadecanoic acid



Eurofins Burlington

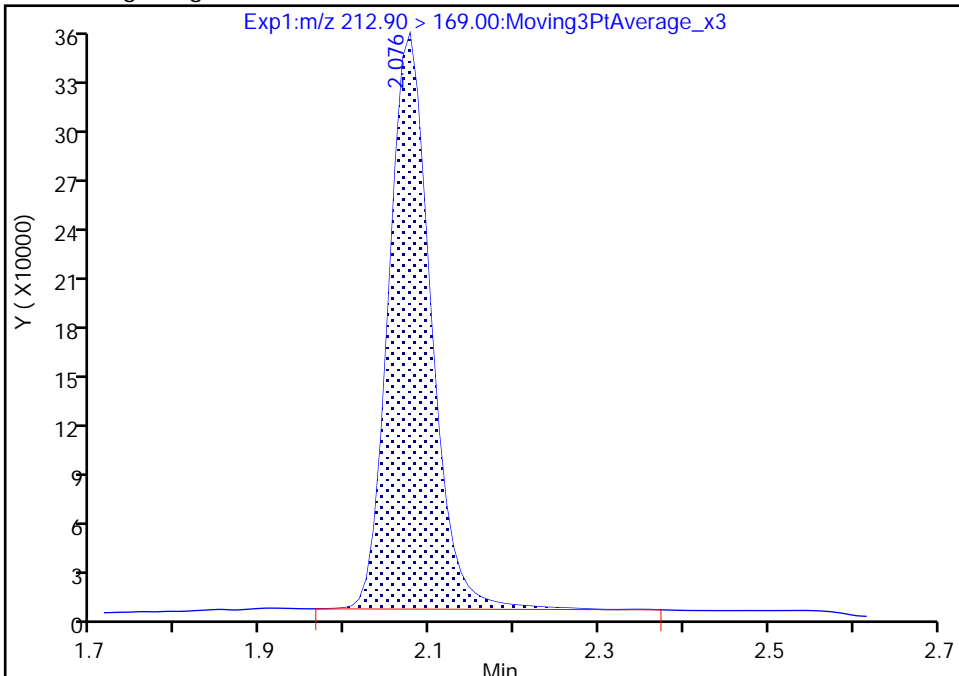
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B03B.d
Injection Date: 02-Sep-2022 17:39:25 Instrument ID: LC812
Lims ID: LCS 200-183198/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

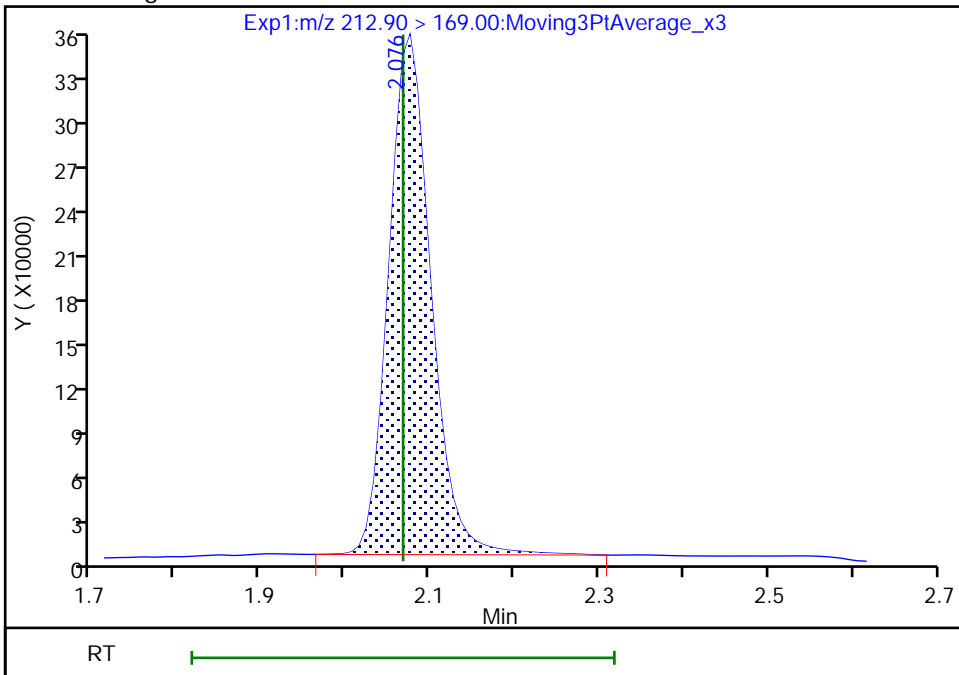
RT: 2.08
Area: 1198775
Amount: 0.984792
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 1197795
Amount: 0.983987
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:38:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

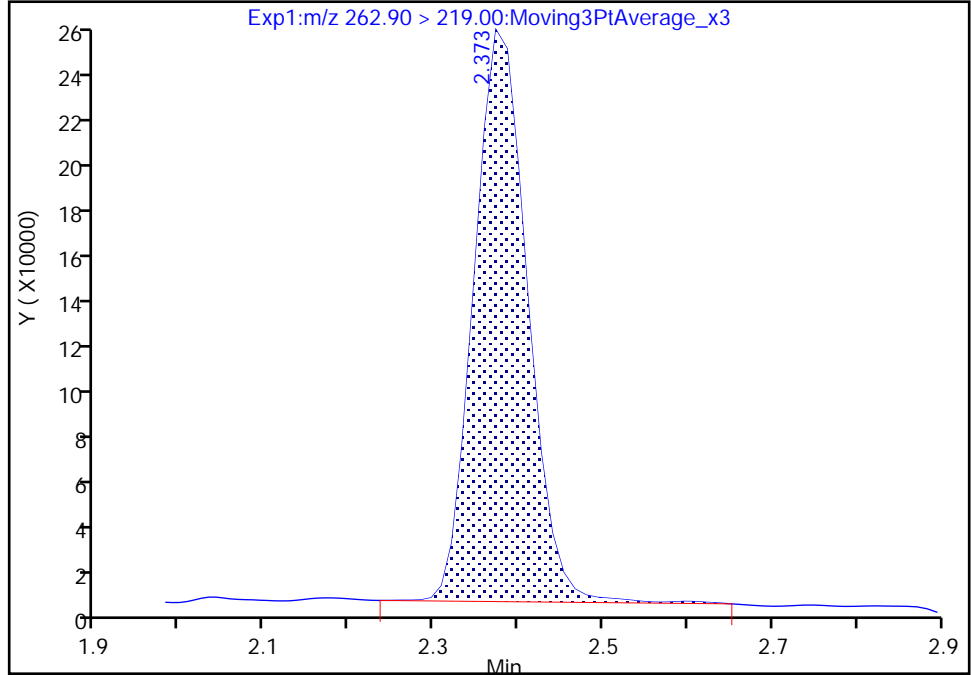
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B03B.d
Injection Date: 02-Sep-2022 17:39:25 Instrument ID: LC812
Lims ID: LCS 200-183198/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

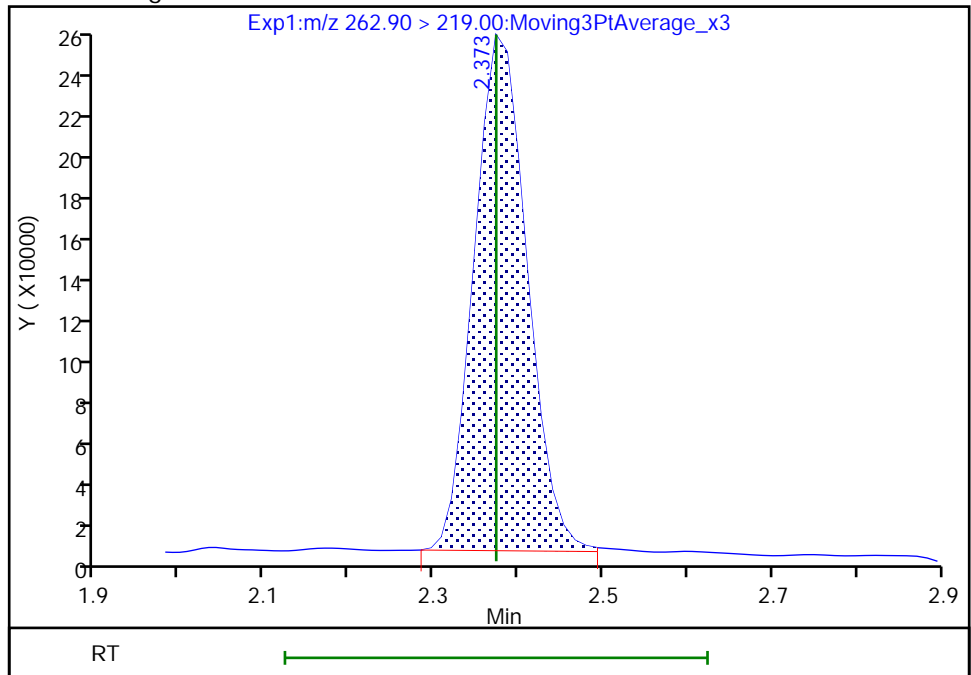
RT: 2.37
Area: 1093303
Amount: 0.977125
Amount Units: ng/ml

Processing Integration Results



RT: 2.37
Area: 1079943
Amount: 0.965185
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:38:09
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

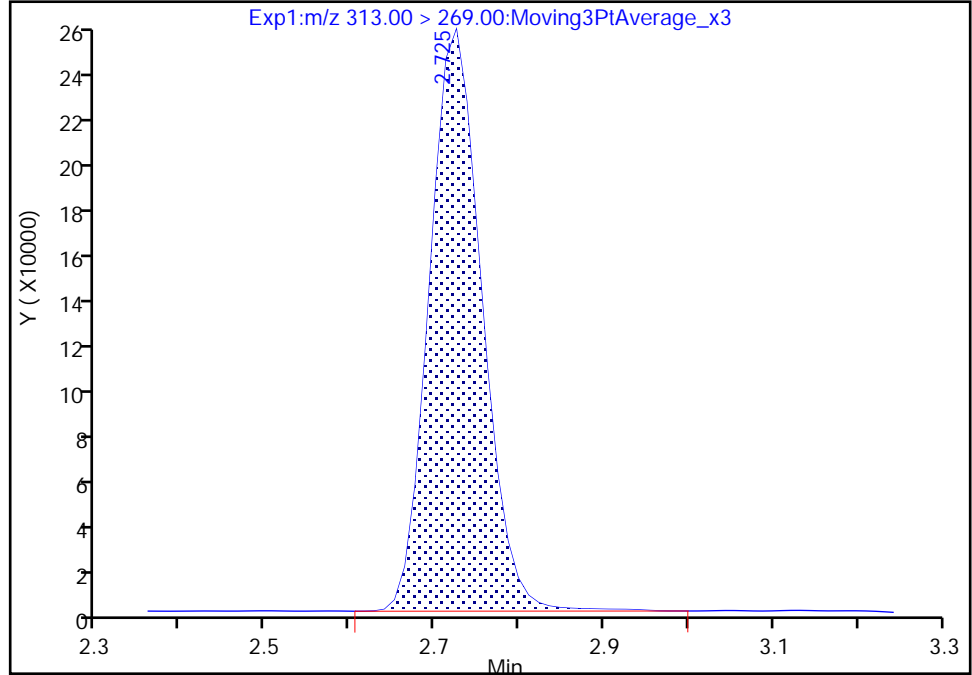
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B03B.d
Injection Date: 02-Sep-2022 17:39:25 Instrument ID: LC812
Lims ID: LCS 200-183198/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

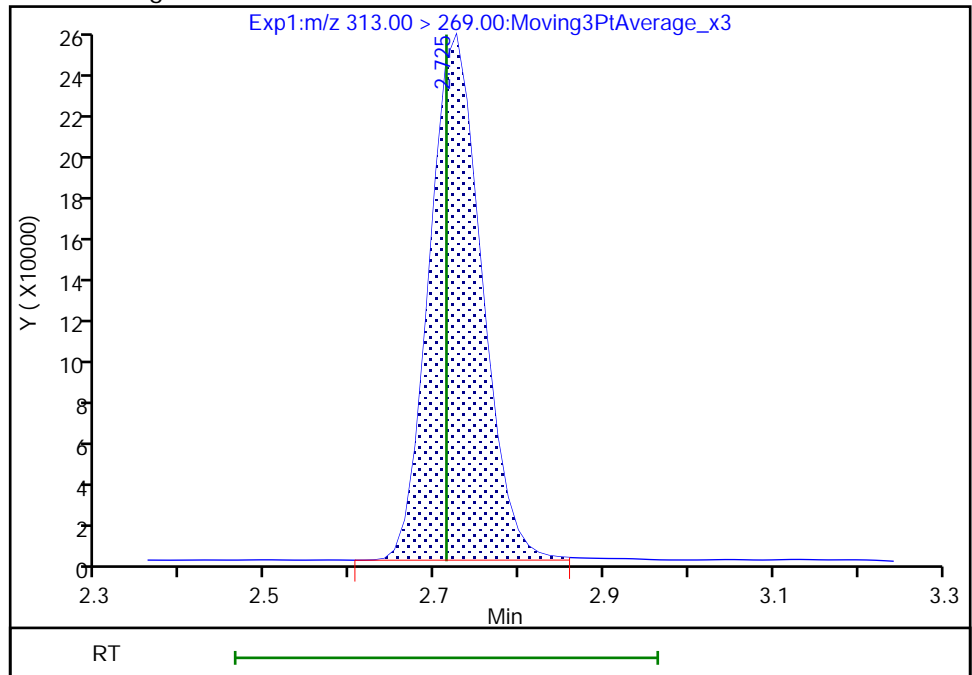
RT: 2.73
Area: 1107598
Amount: 1.030210
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 1103062
Amount: 1.025991
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:38:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

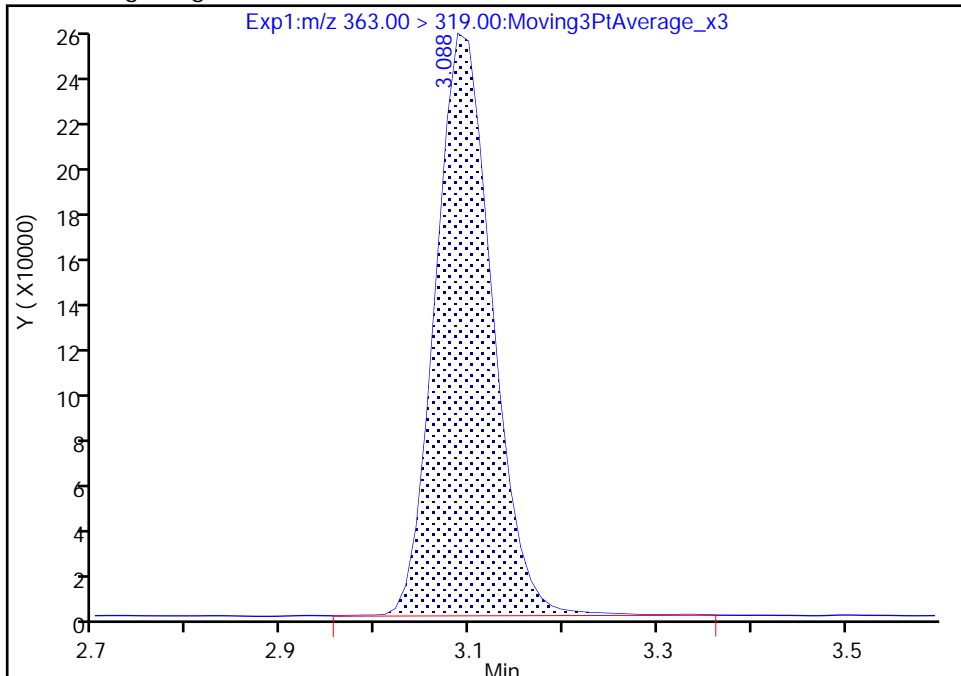
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Injection Date: 02-Sep-2022 17:39:25 Instrument ID: LC812
Lims ID: LCS 200-183198/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

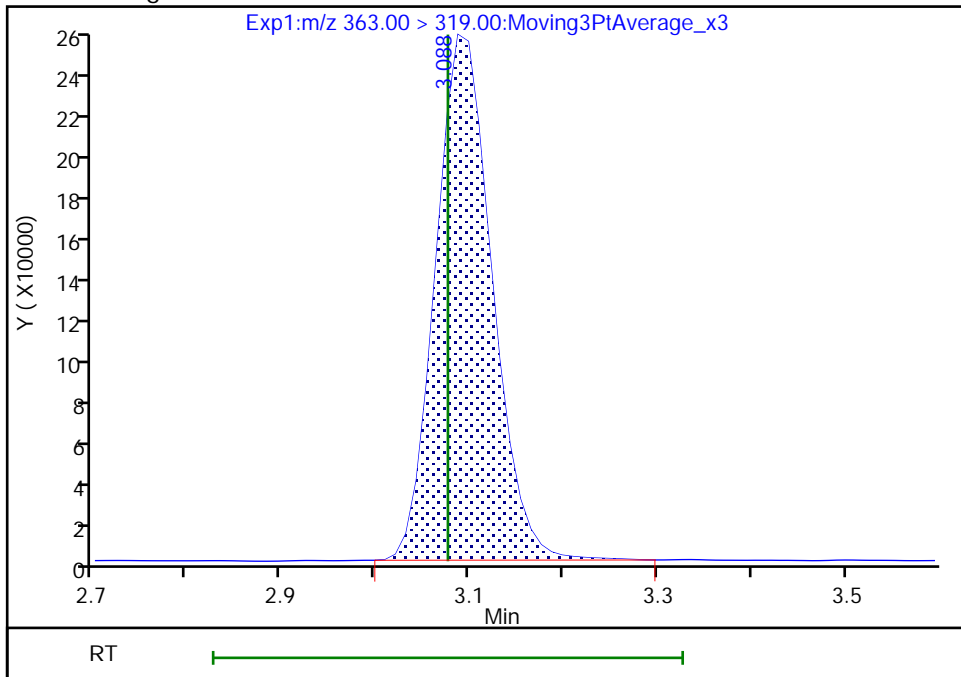
RT: 3.09
Area: 1057679
Amount: 0.987941
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 1051592
Amount: 0.982255
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:38:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

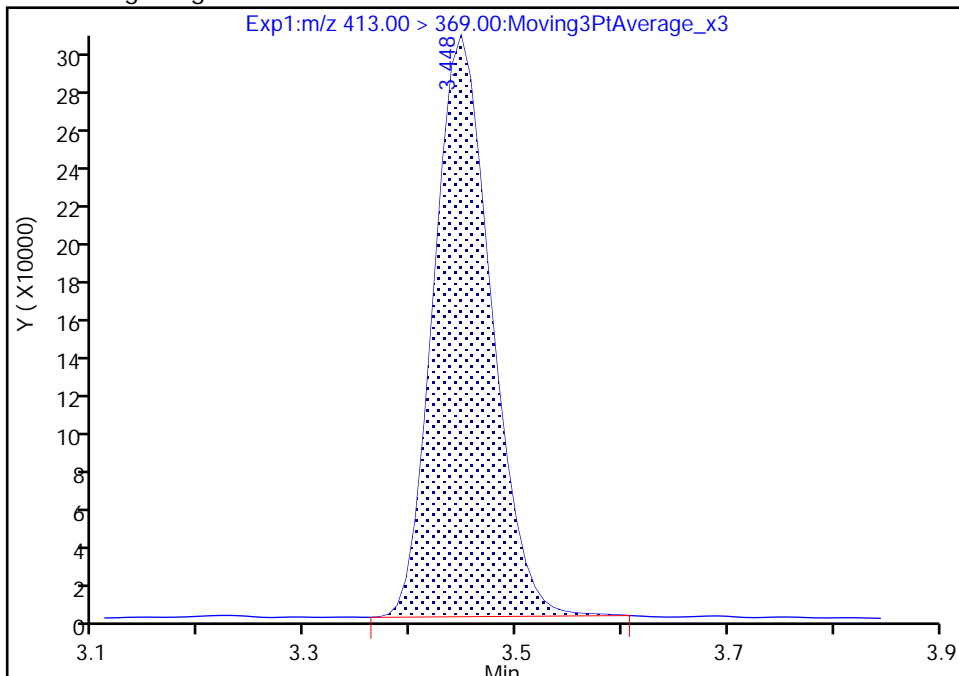
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Injection Date: 02-Sep-2022 17:39:25 Instrument ID: LC812
Lims ID: LCS 200-183198/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

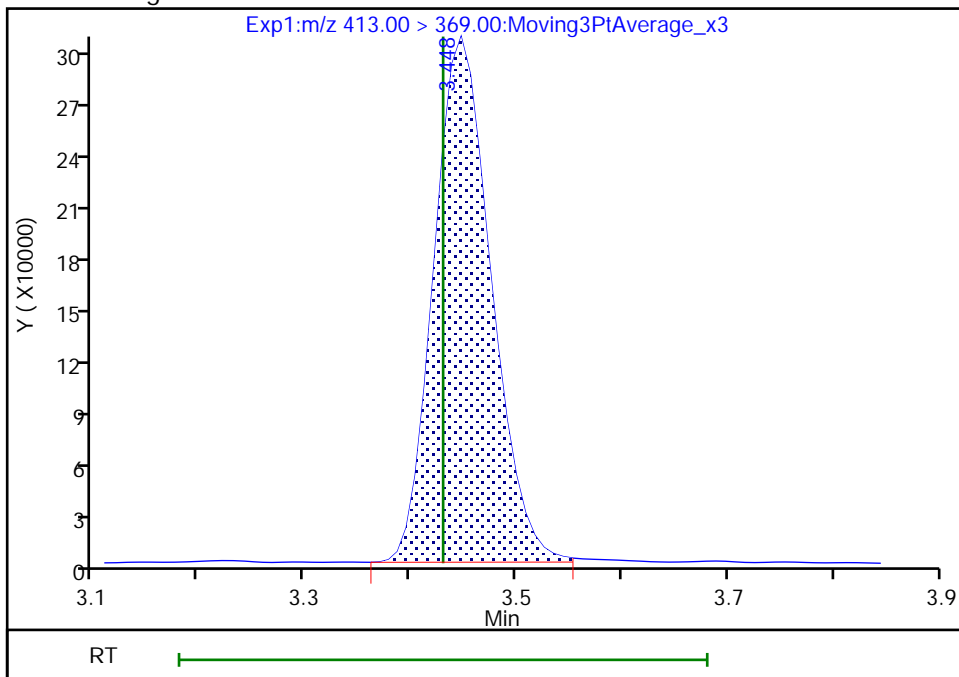
RT: 3.45
Area: 1130761
Amount: 0.955543
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 1131434
Amount: 0.956112
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:39:17
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

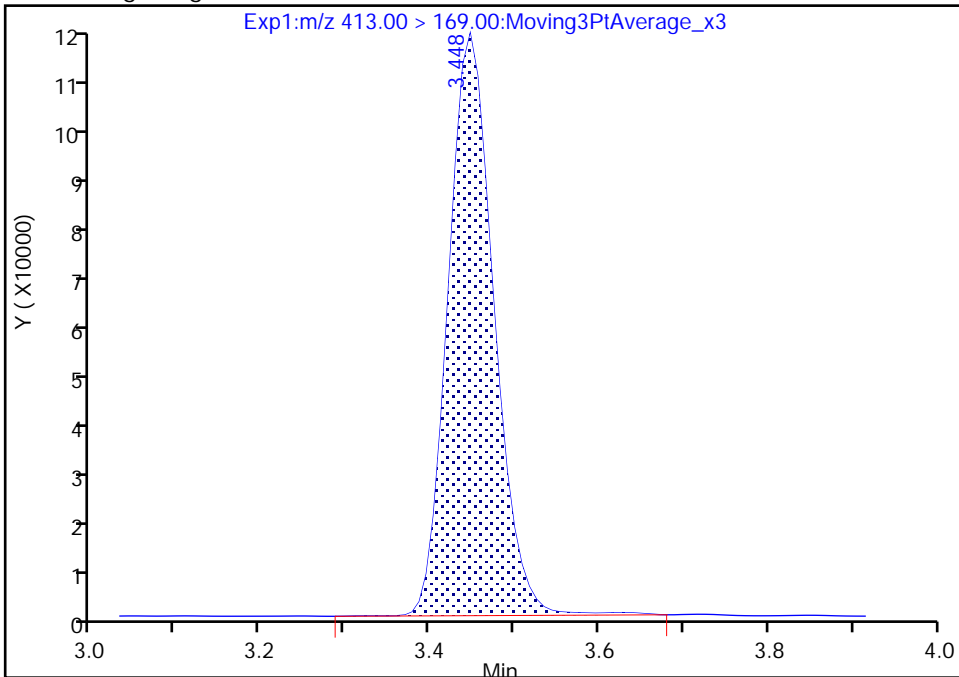
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B03B.d
Injection Date: 02-Sep-2022 17:39:25 Instrument ID: LC812
Lims ID: LCS 200-183198/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

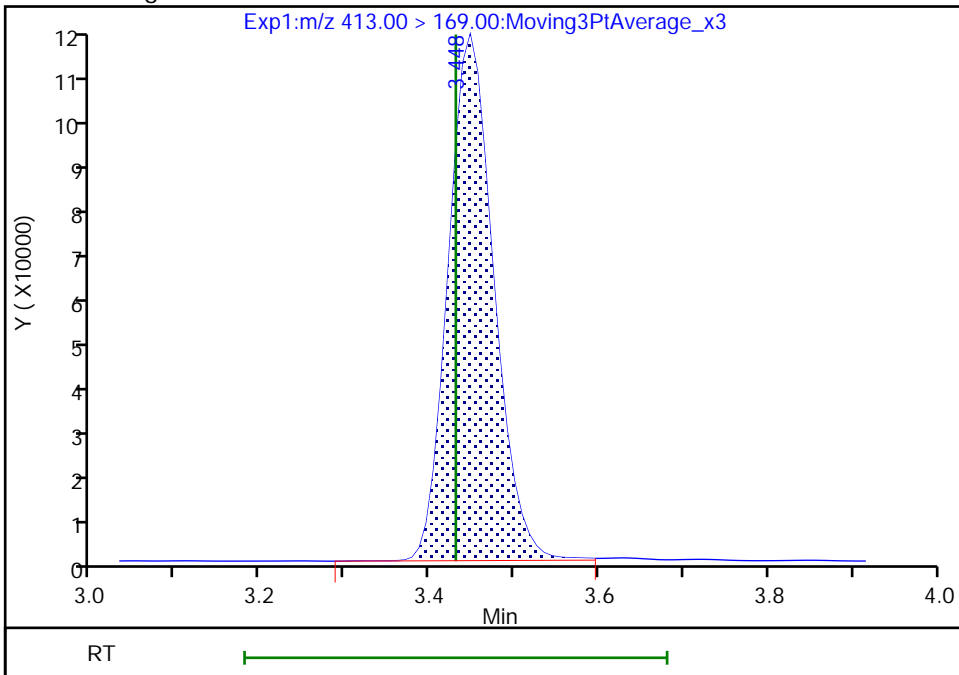
RT: 3.45
Area: 419394
Amount: 0.955543
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 417927
Amount: 0.956112
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:39:18

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

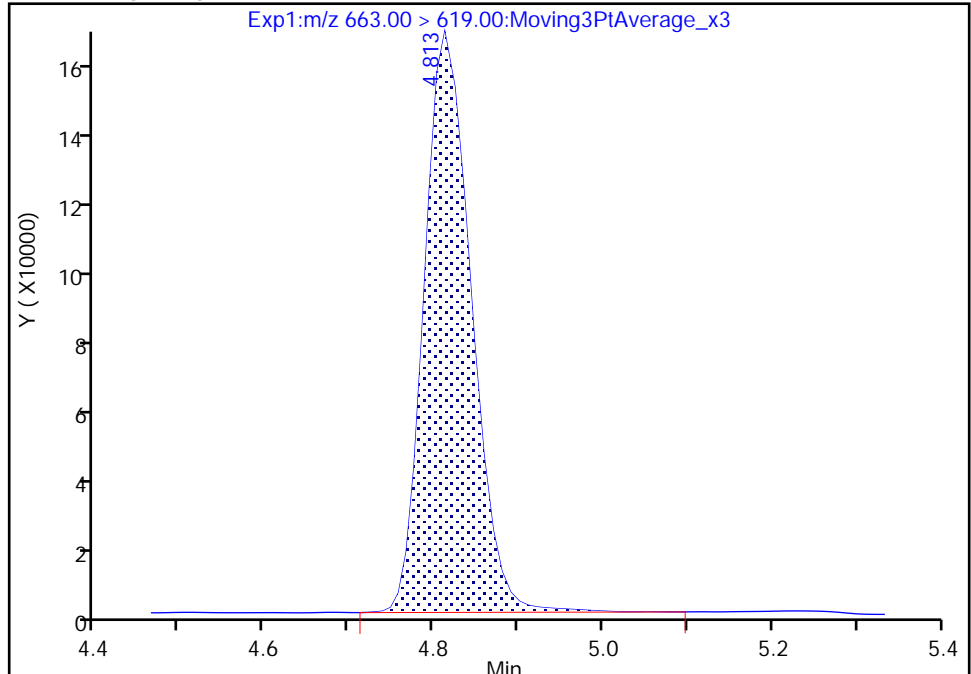
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B03B.d
Injection Date: 02-Sep-2022 17:39:25 Instrument ID: LC812
Lims ID: LCS 200-183198/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

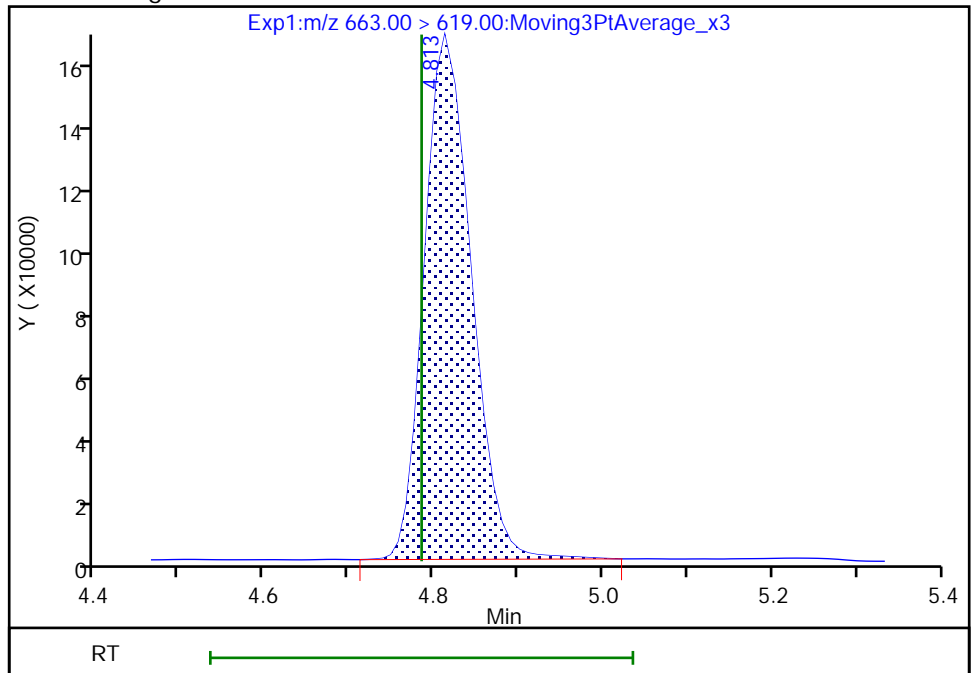
RT: 4.81
Area: 622287
Amount: 0.977009
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 621272
Amount: 0.975415
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:40:59
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

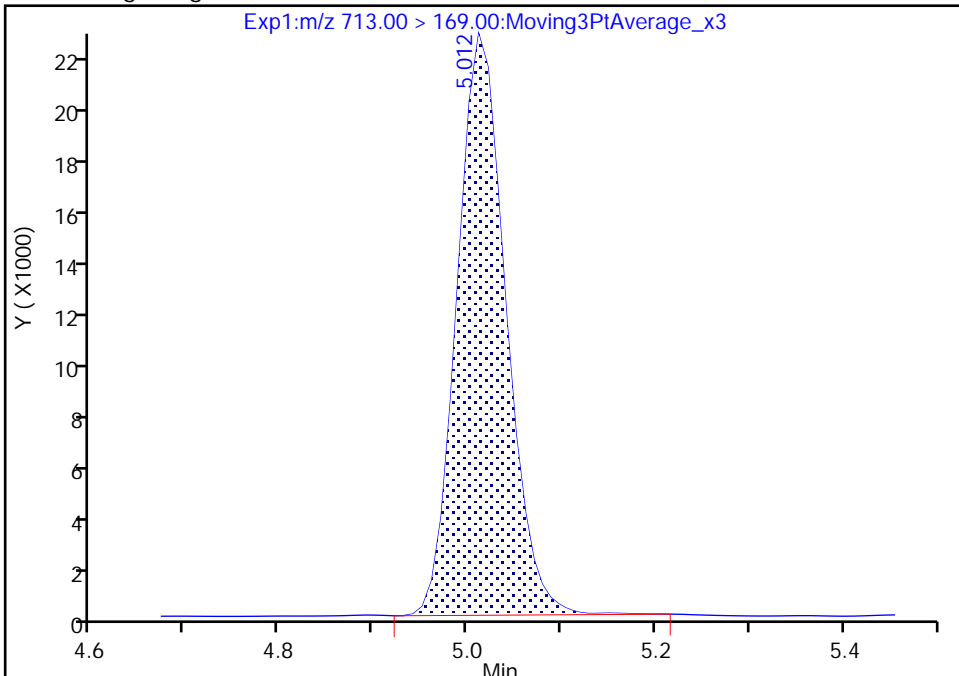
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Injection Date: 02-Sep-2022 17:39:25 Instrument ID: LC812
Lims ID: LCS 200-183198/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

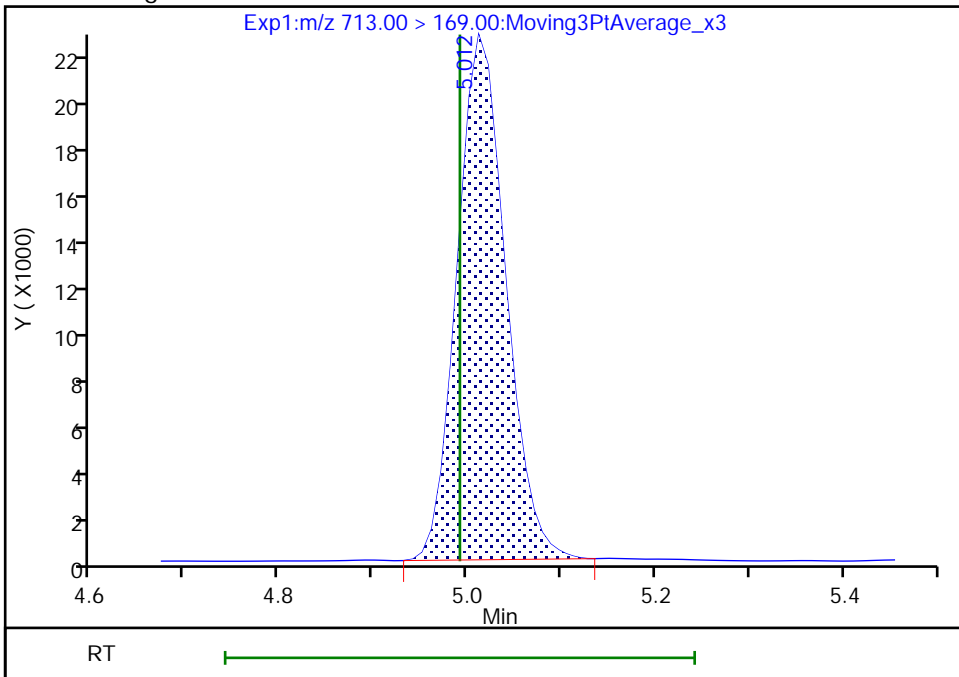
RT: 5.01
Area: 79367
Amount: 0.848621
Amount Units: ng/ml

Processing Integration Results



RT: 5.01
Area: 78961
Amount: 0.844280
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:41:09
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

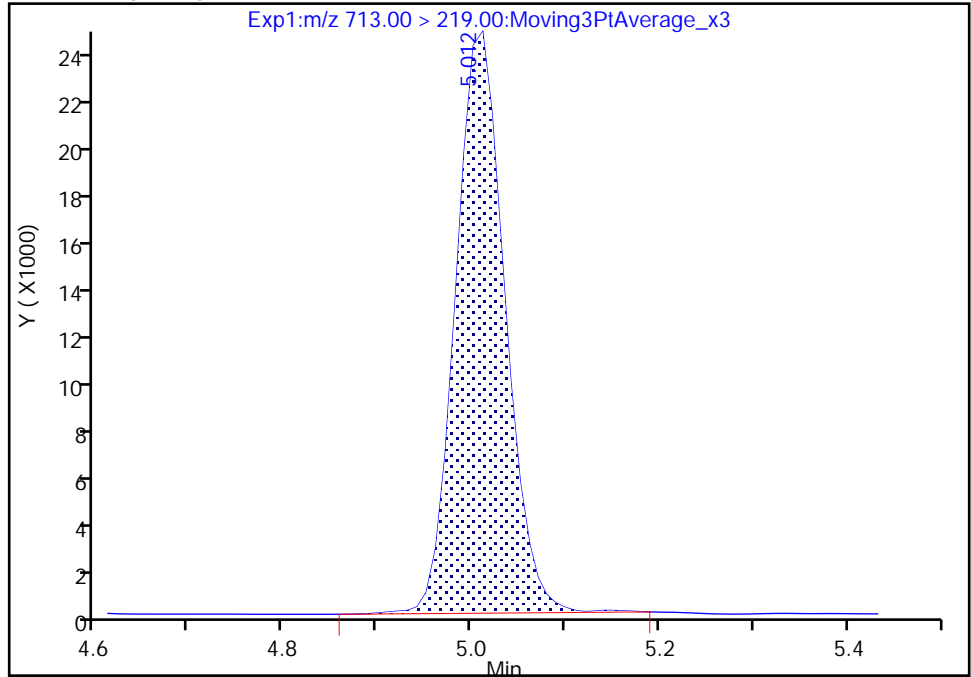
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B03B.d
Injection Date: 02-Sep-2022 17:39:25 Instrument ID: LC812
Lims ID: LCS 200-183198/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

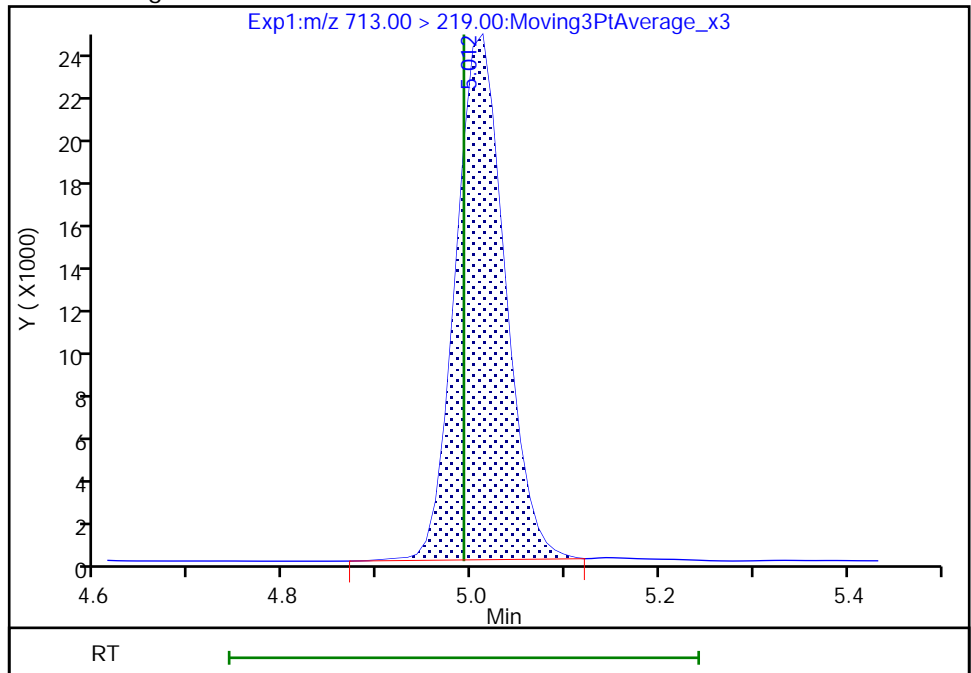
RT: 5.01
Area: 88976
Amount: 0.848621
Amount Units: ng/ml

Processing Integration Results



RT: 5.01
Area: 88510
Amount: 0.844280
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:41:15

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

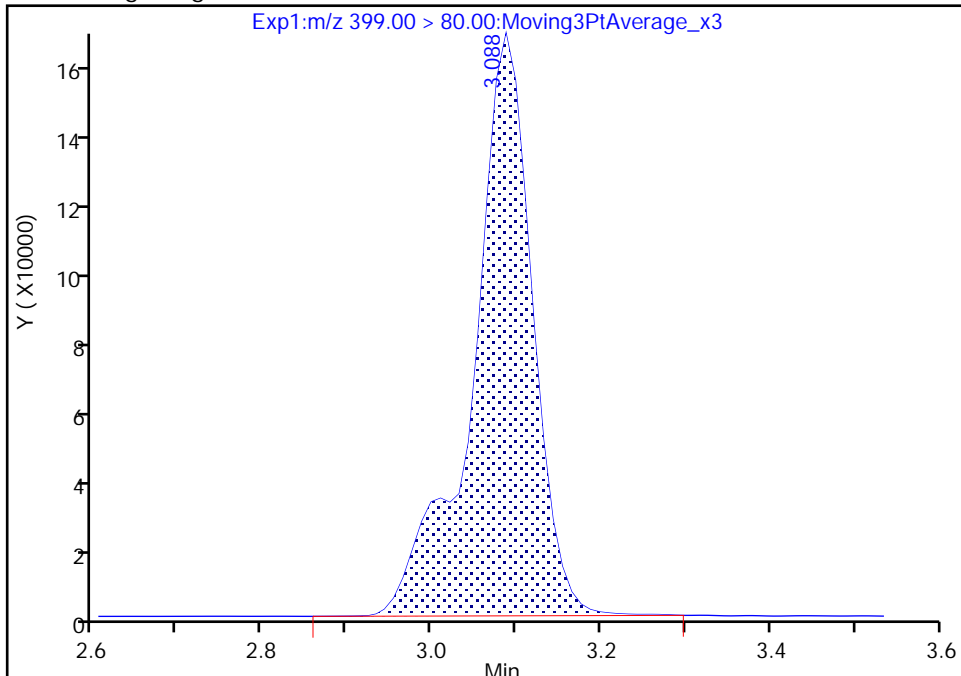
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B03B.d
Injection Date: 02-Sep-2022 17:39:25 Instrument ID: LC812
Lims ID: LCS 200-183198/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

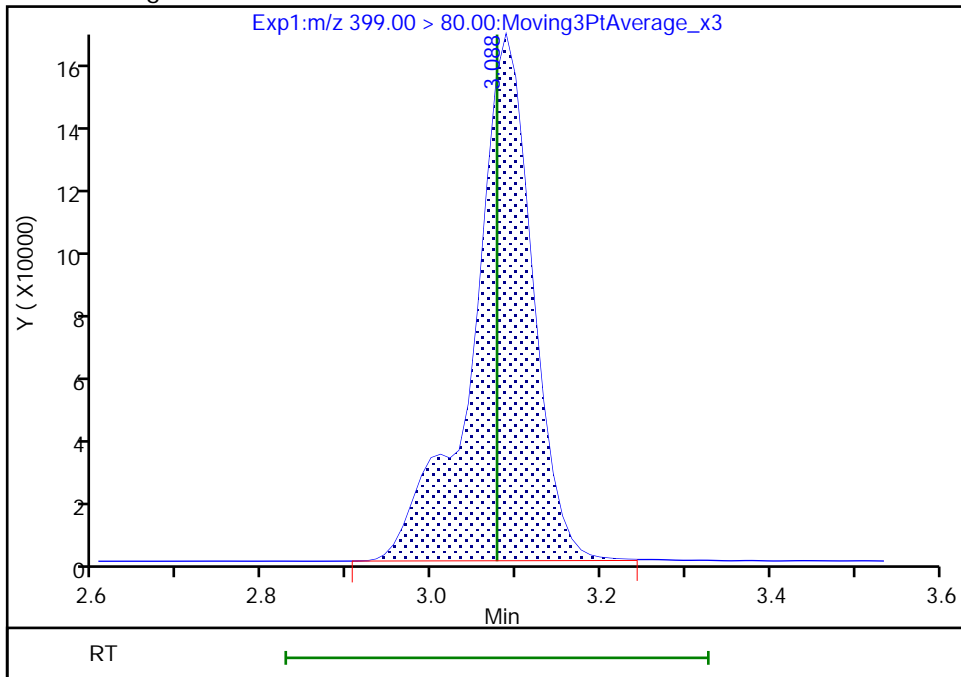
RT: 3.09
Area: 797241
Amount: 0.843864
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 796375
Amount: 0.842948
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:38:36
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

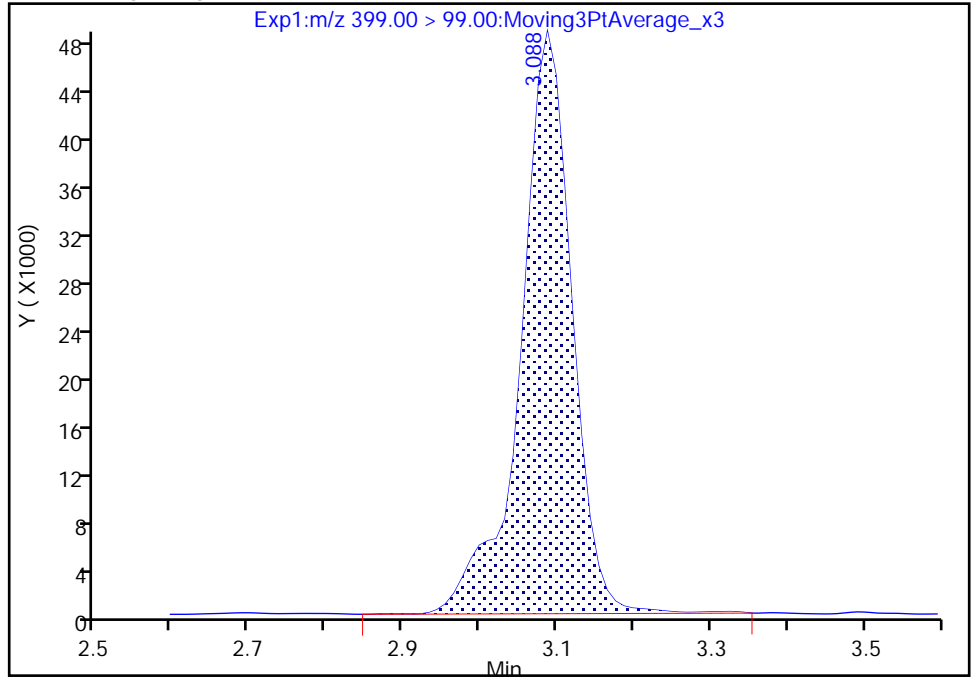
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Injection Date: 02-Sep-2022 17:39:25 Instrument ID: LC812
Lims ID: LCS 200-183198/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

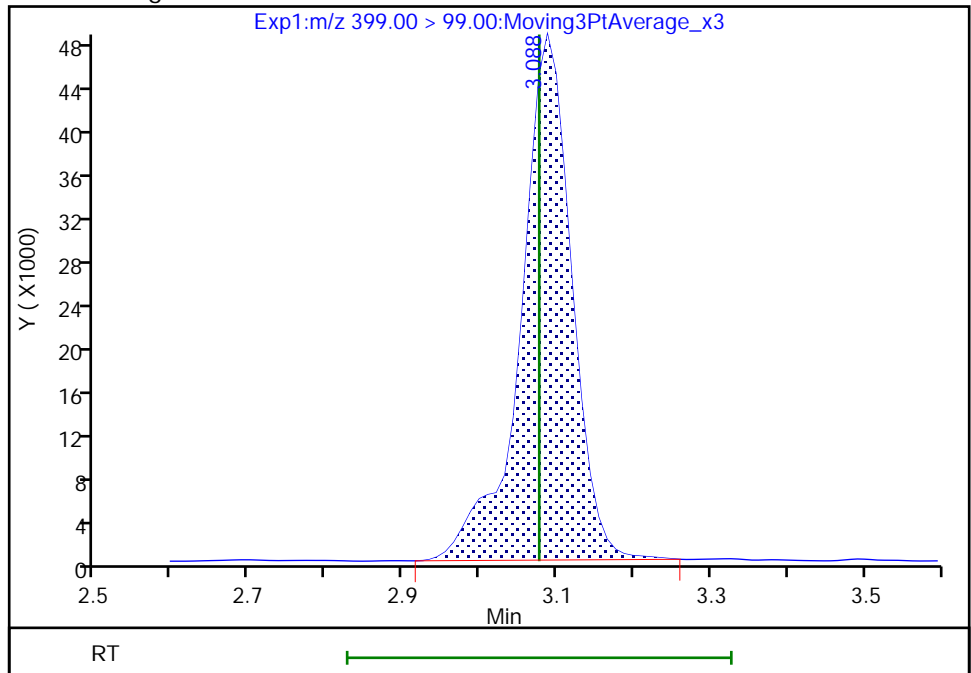
RT: 3.09
Area: 225064
Amount: 0.843864
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 223308
Amount: 0.842948
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Sep-2022 09:38:41

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

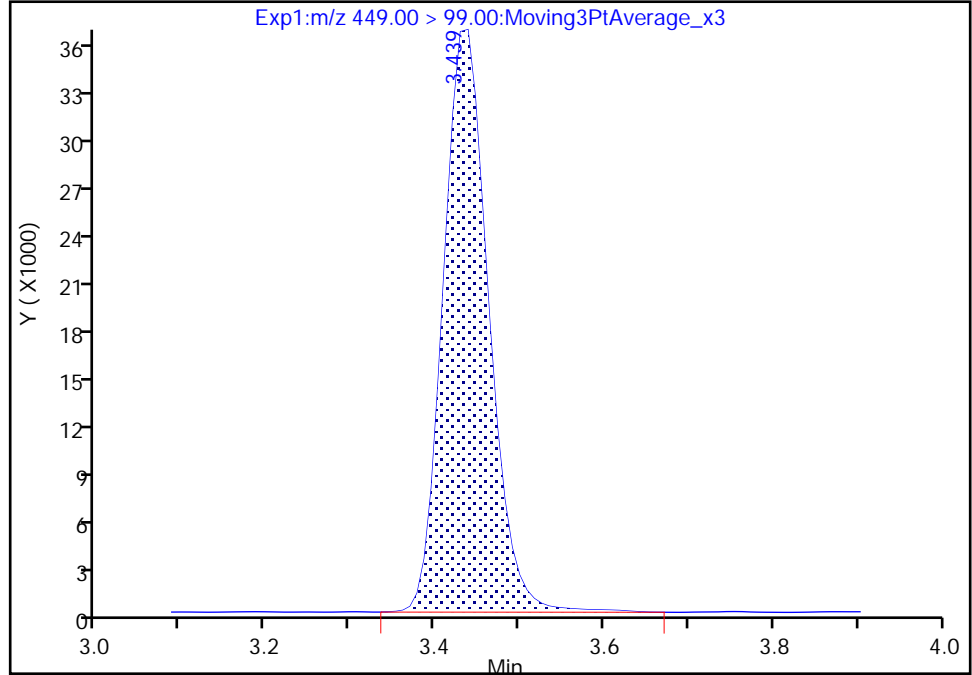
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B03B.d
Injection Date: 02-Sep-2022 17:39:25 Instrument ID: LC812
Lims ID: LCS 200-183198/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

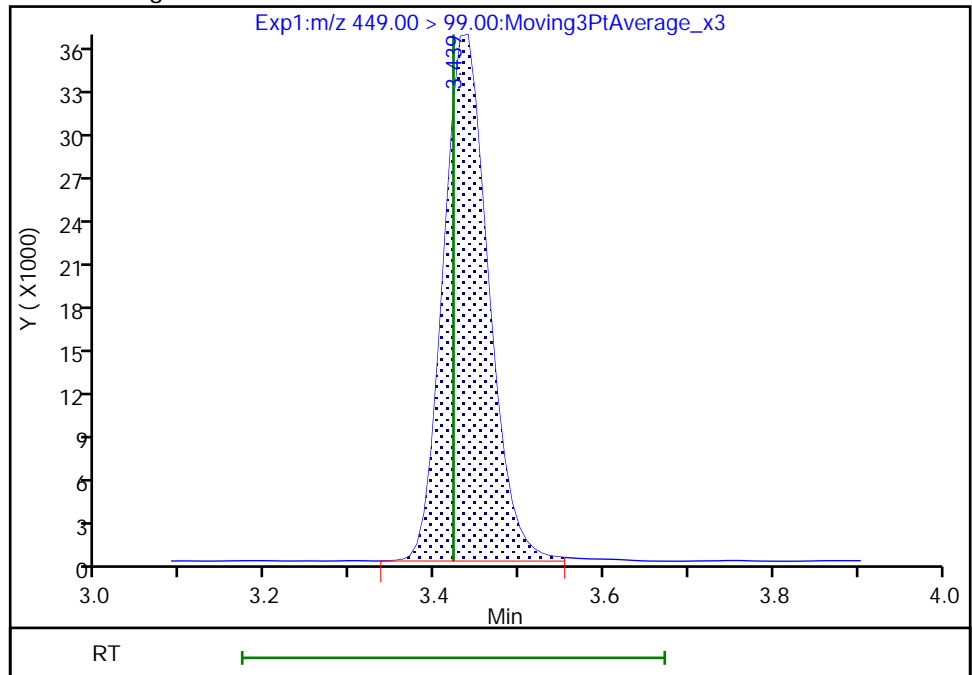
RT: 3.44
Area: 136928
Amount: 0.964707
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 136180
Amount: 0.964707
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:39:03
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

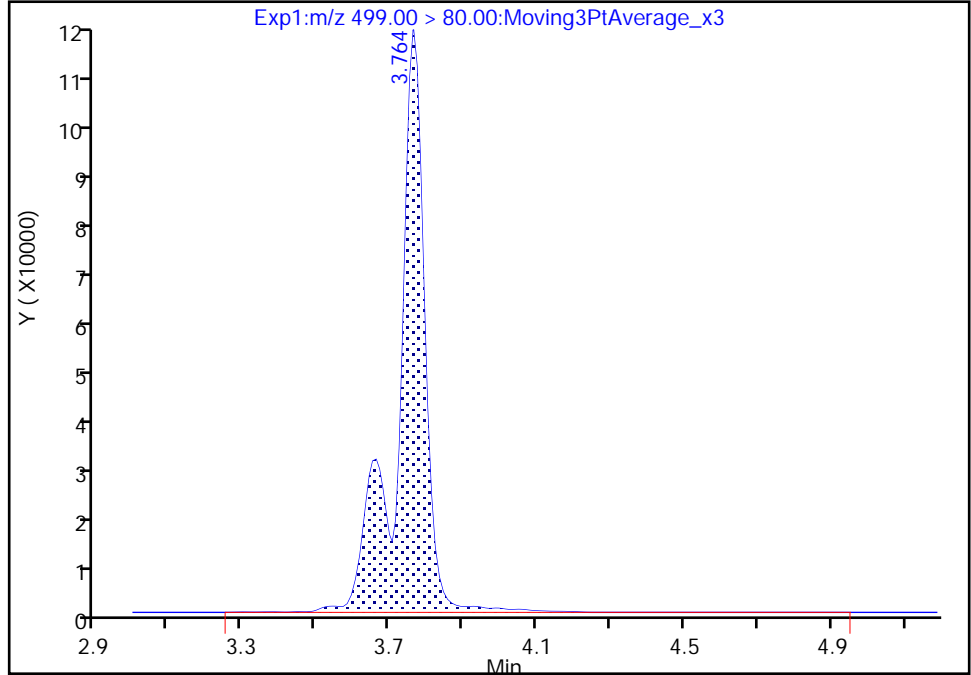
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B03B.d
Injection Date: 02-Sep-2022 17:39:25 Instrument ID: LC812
Lims ID: LCS 200-183198/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

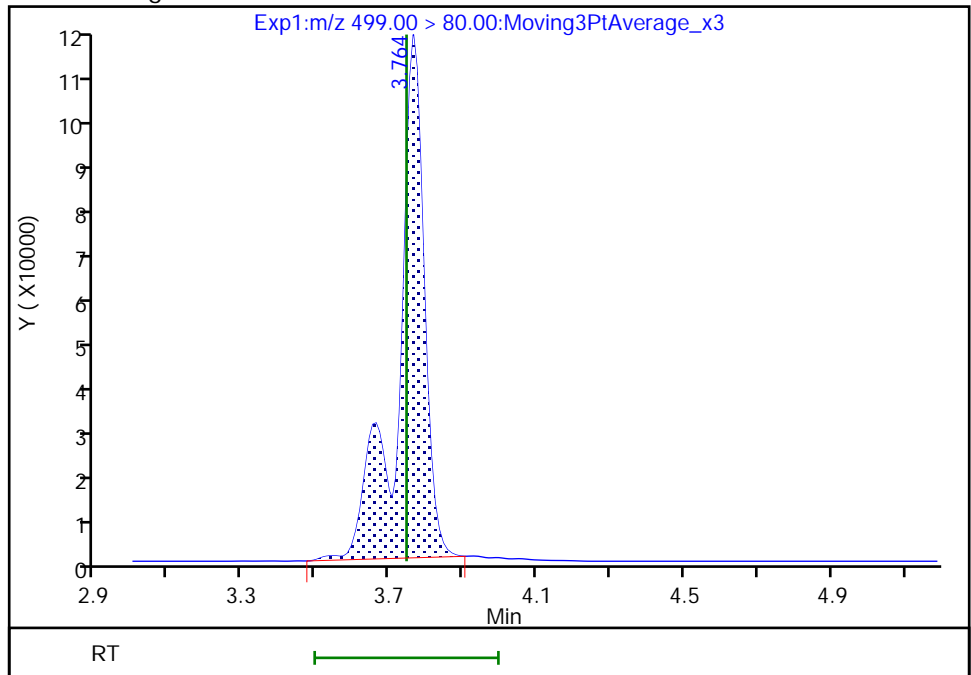
RT: 3.76
Area: 584110
Amount: 0.979344
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 559617
Amount: 0.937504
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:39:28
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

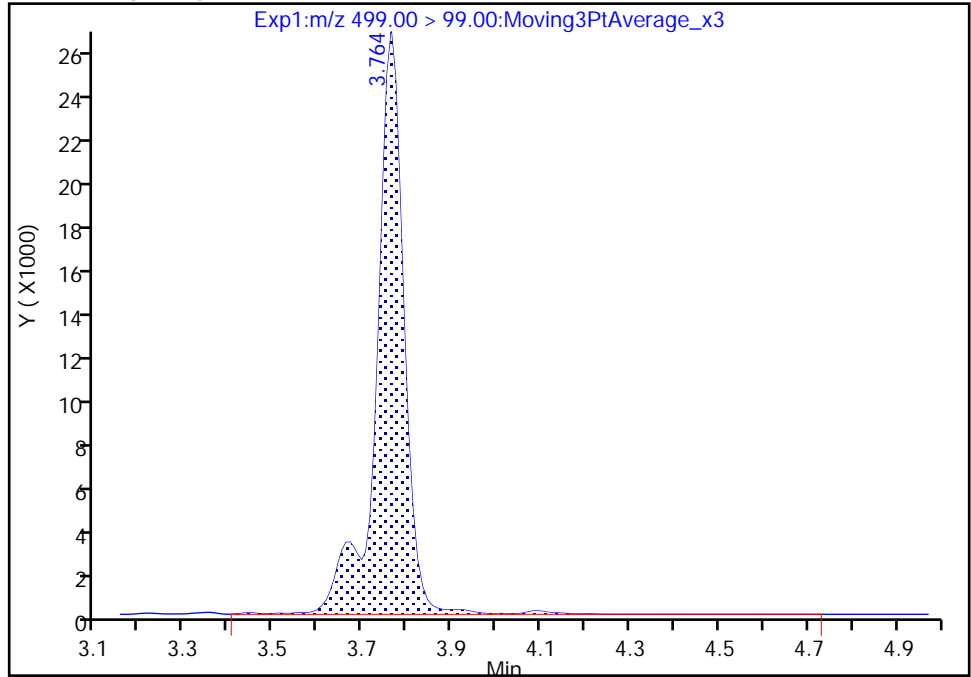
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B03B.d
Injection Date: 02-Sep-2022 17:39:25 Instrument ID: LC812
Lims ID: LCS 200-183198/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

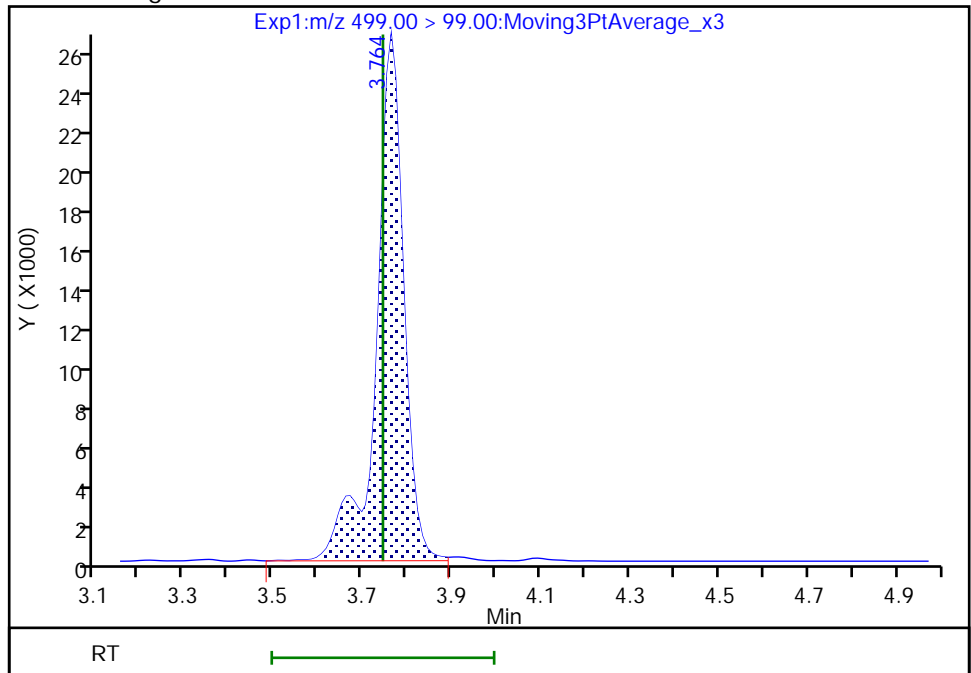
RT: 3.76
Area: 113856
Amount: 0.979344
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 111713
Amount: 0.937504
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:39:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

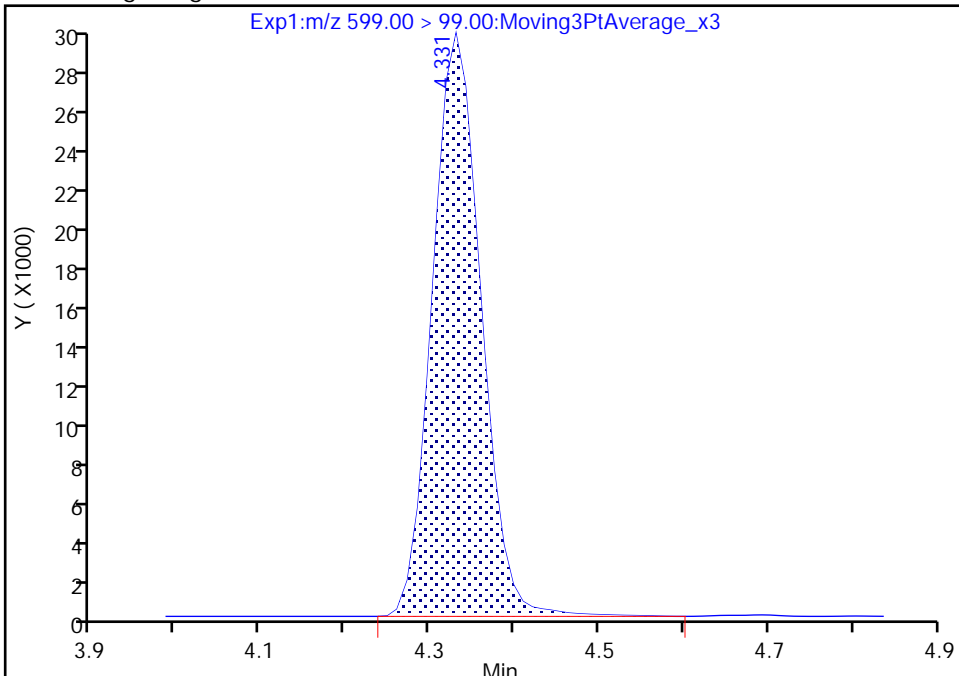
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B03B.d
Injection Date: 02-Sep-2022 17:39:25 Instrument ID: LC812
Lims ID: LCS 200-183198/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

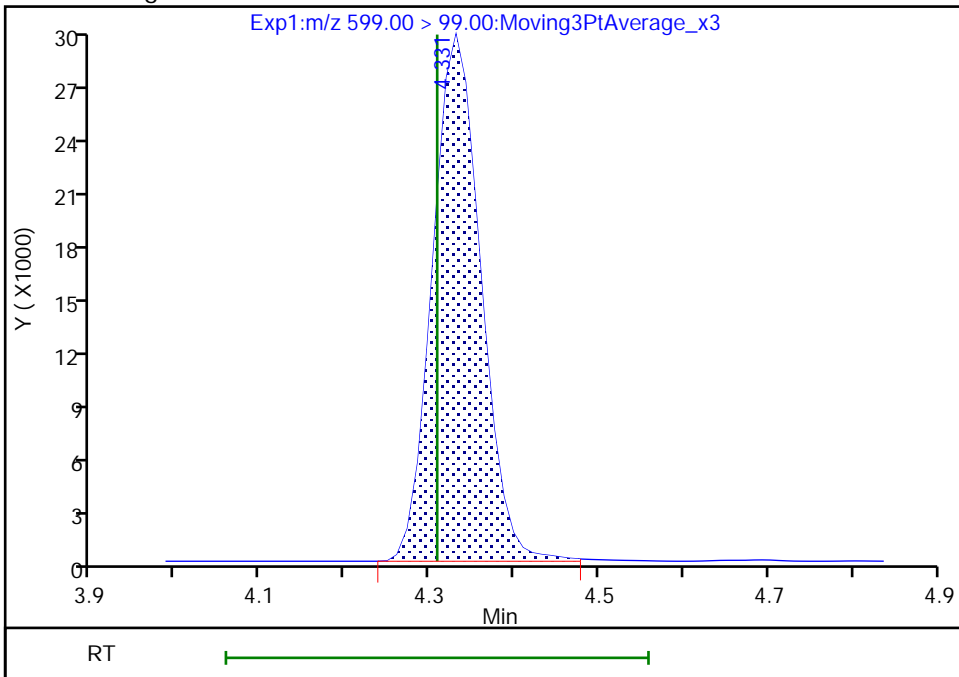
RT: 4.33
Area: 115987
Amount: 0.898342
Amount Units: ng/ml

Processing Integration Results



RT: 4.33
Area: 115646
Amount: 0.898342
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:40:20
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

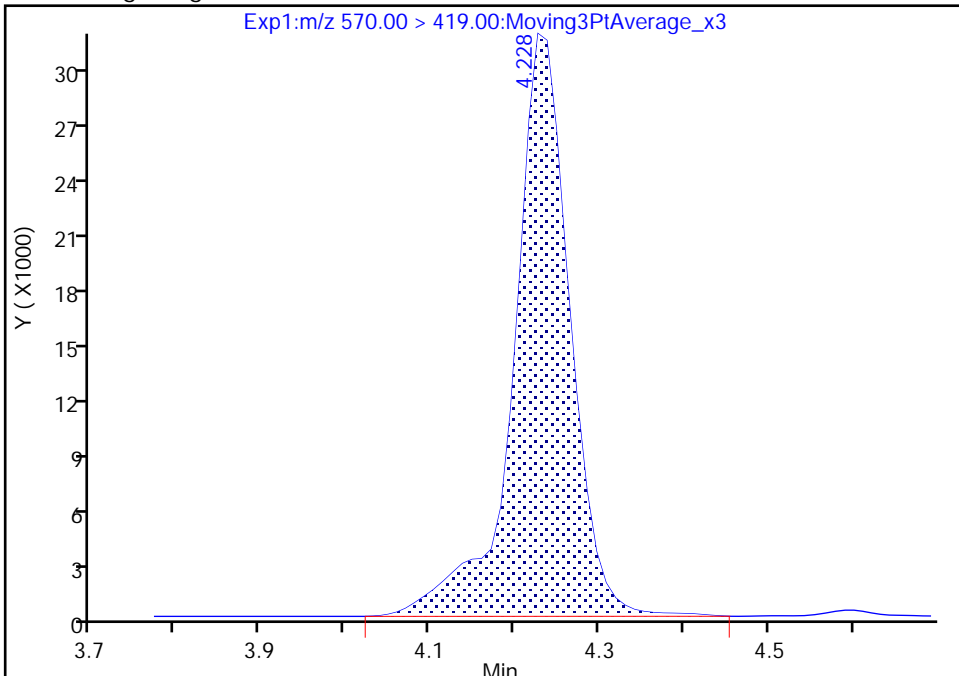
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B03B.d
Injection Date: 02-Sep-2022 17:39:25 Instrument ID: LC812
Lims ID: LCS 200-183198/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

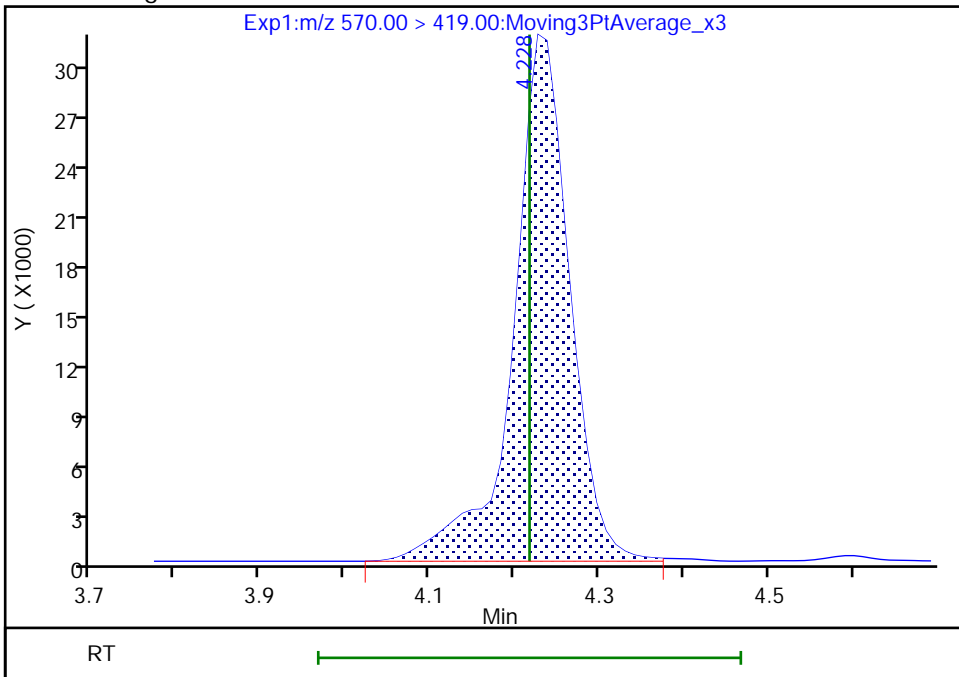
RT: 4.23
Area: 147455
Amount: 1.005738
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 147005
Amount: 1.002669
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:40:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

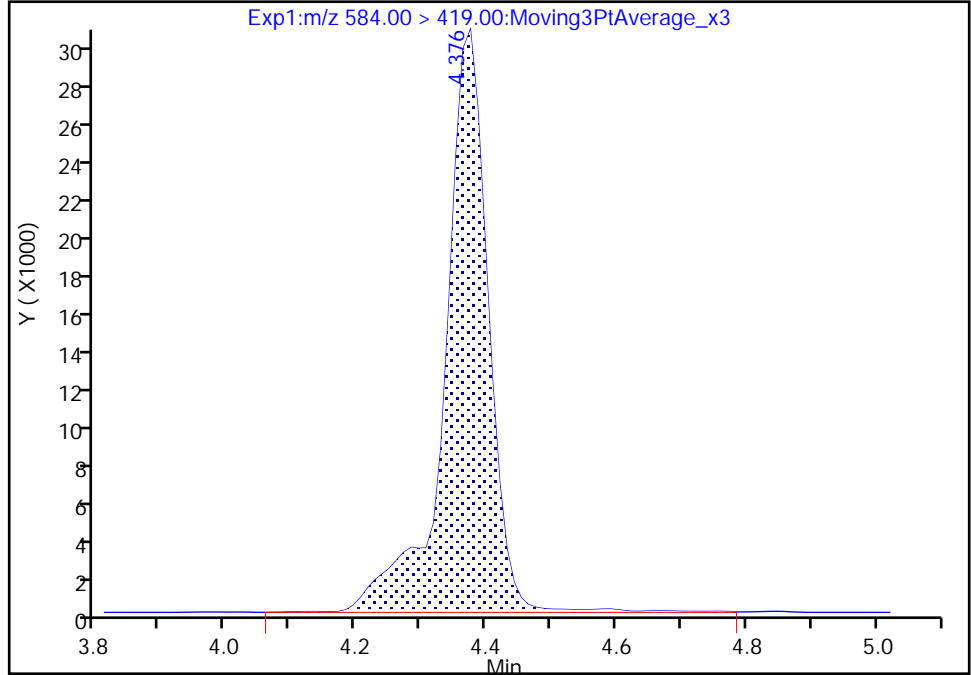
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B03B.d
Injection Date: 02-Sep-2022 17:39:25 Instrument ID: LC812
Lims ID: LCS 200-183198/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

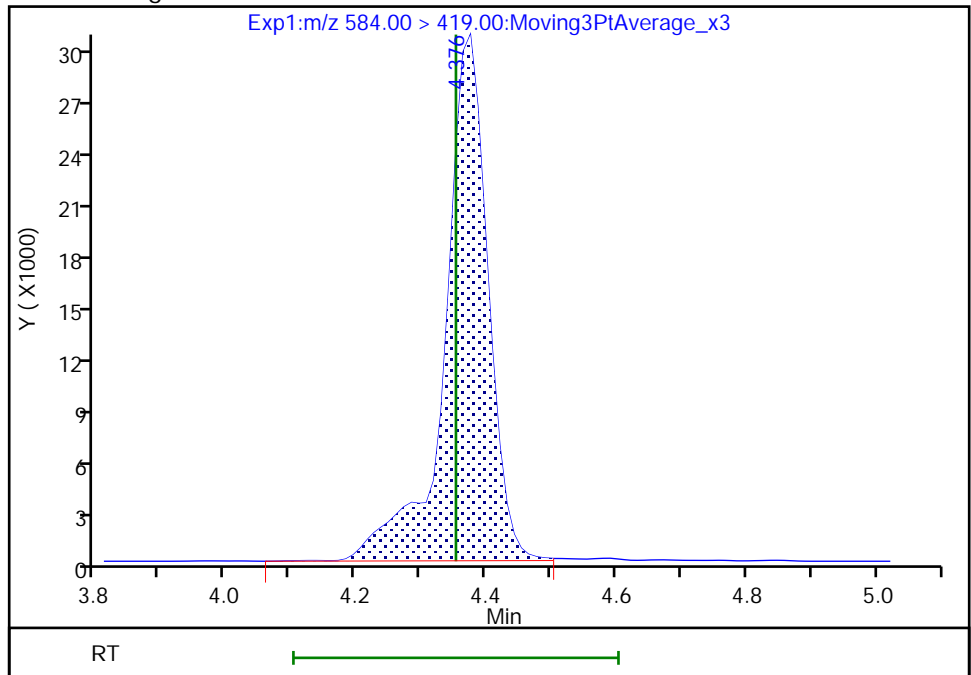
RT: 4.38
Area: 141384
Amount: 0.972505
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 139311
Amount: 0.958246
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:40:34
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

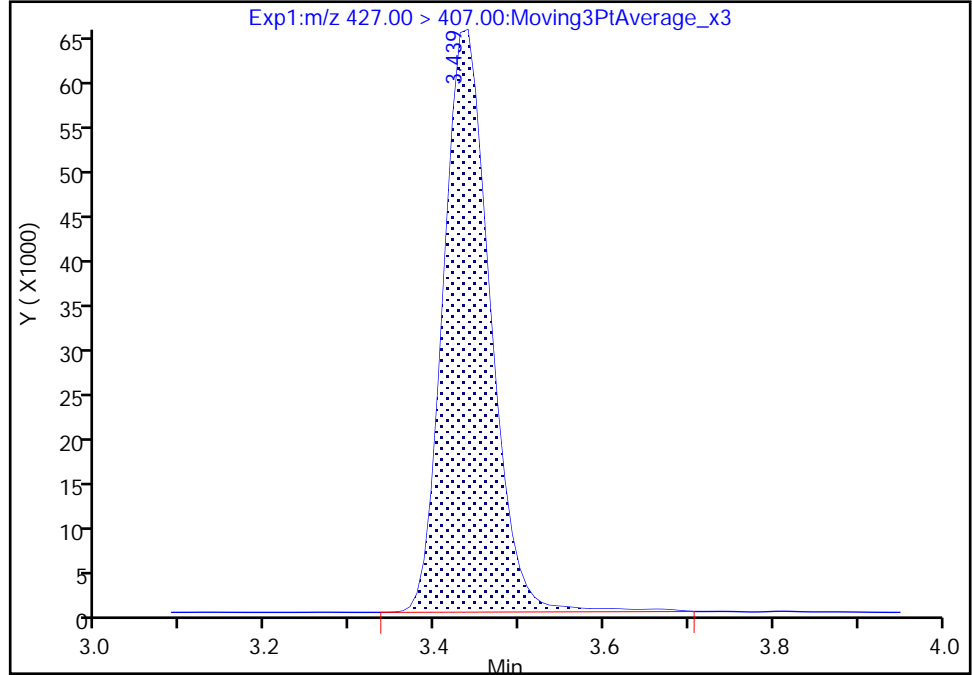
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B03B.d
Injection Date: 02-Sep-2022 17:39:25 Instrument ID: LC812
Lims ID: LCS 200-183198/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

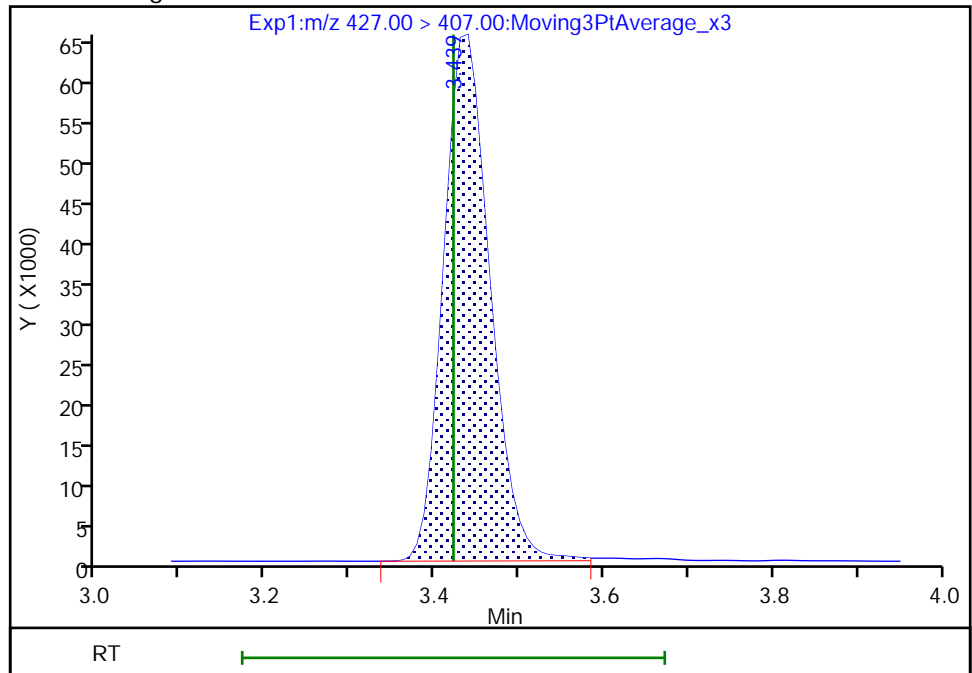
RT: 3.44
Area: 248957
Amount: 1.133733
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 247330
Amount: 1.126214
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:38:59
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

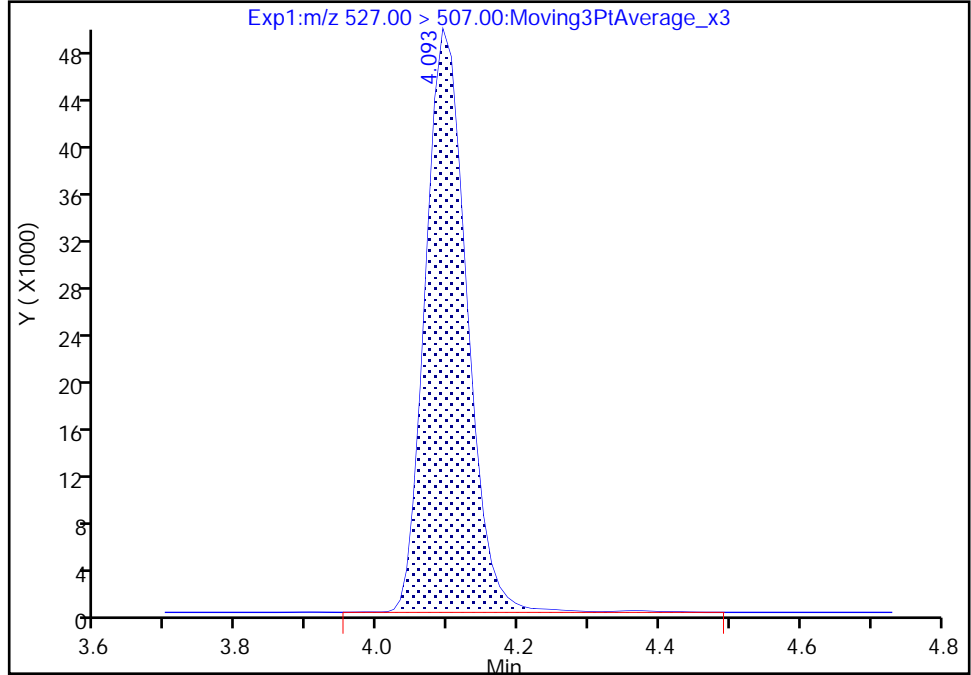
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B03B.d
Injection Date: 02-Sep-2022 17:39:25 Instrument ID: LC812
Lims ID: LCS 200-183198/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

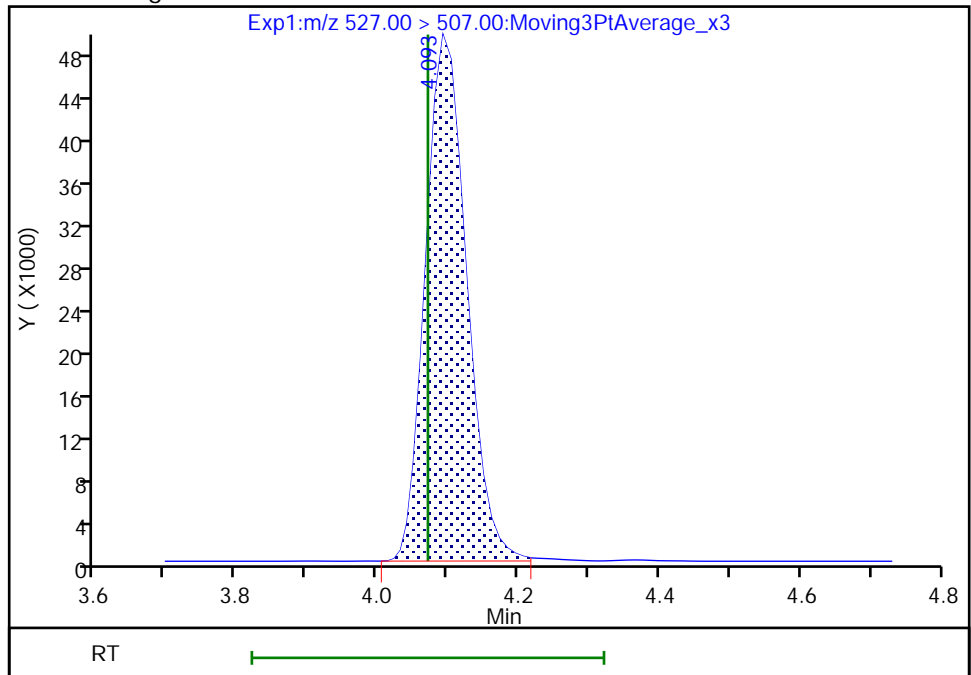
RT: 4.09
Area: 203720
Amount: 1.081841
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 201966
Amount: 1.072526
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:40:01
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

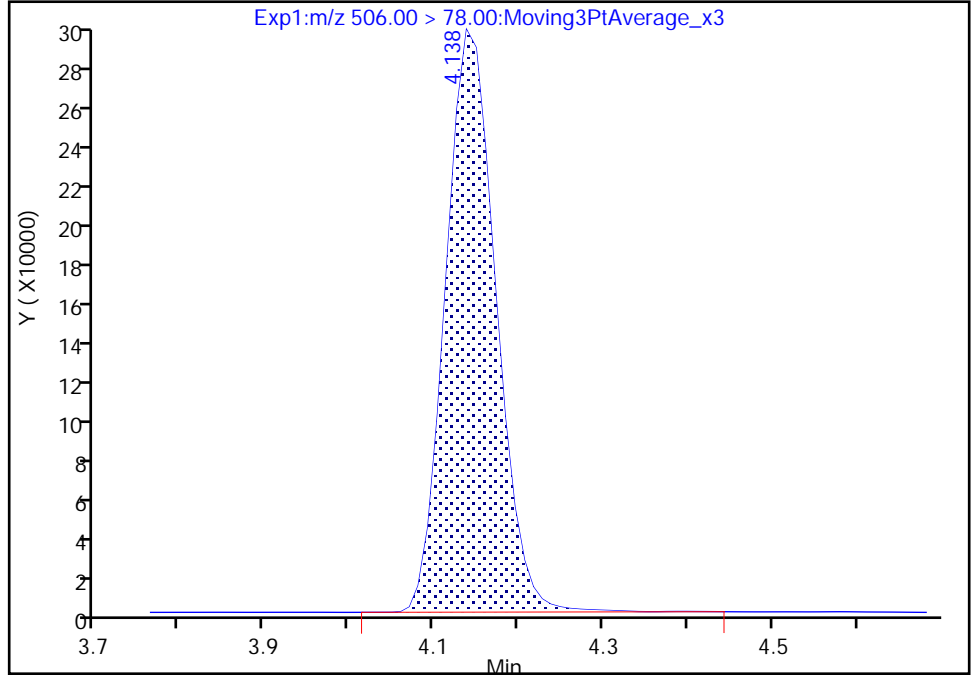
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B03B.d
Injection Date: 02-Sep-2022 17:39:25 Instrument ID: LC812
Lims ID: LCS 200-183198/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

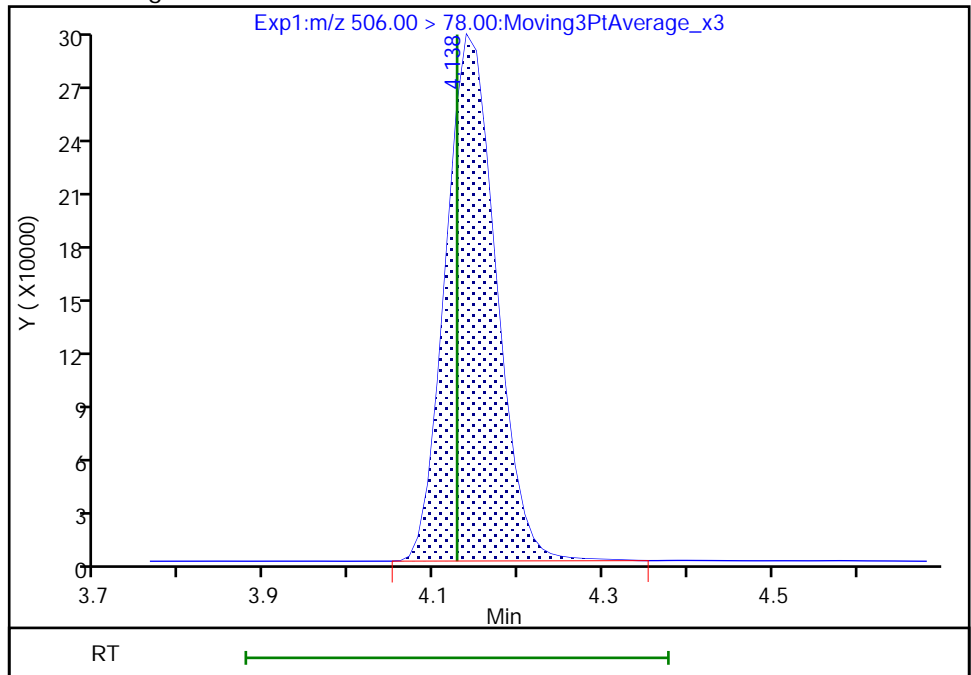
RT: 4.14
Area: 1207720
Amount: 1.212170
Amount Units: ng/ml

Processing Integration Results



RT: 4.14
Area: 1206494
Amount: 1.212542
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:37:36
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

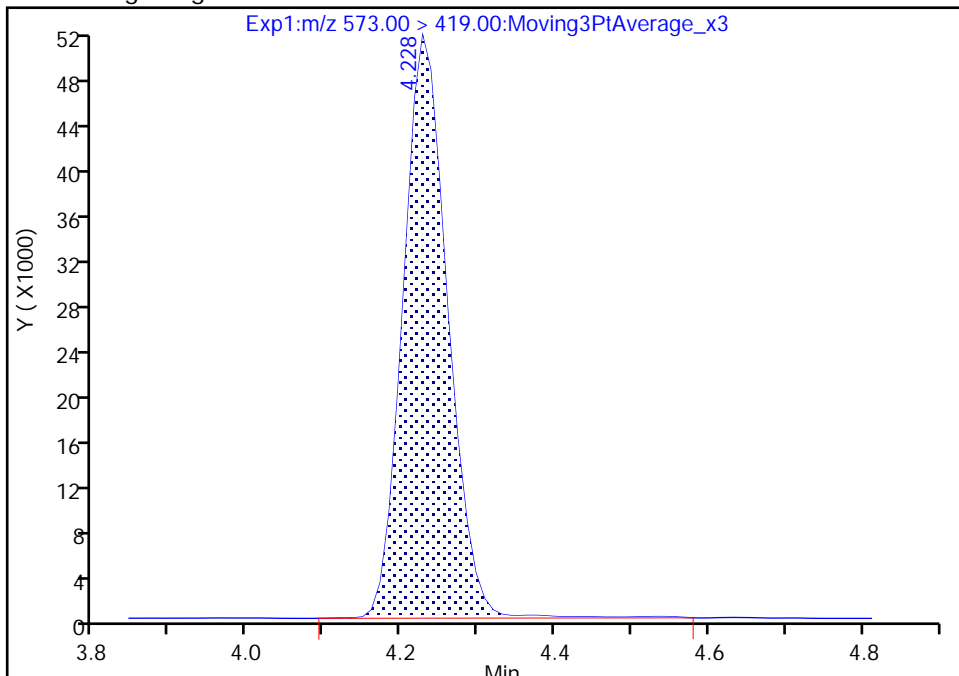
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B03B.d
Injection Date: 02-Sep-2022 17:39:25 Instrument ID: LC812
Lims ID: LCS 200-183198/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

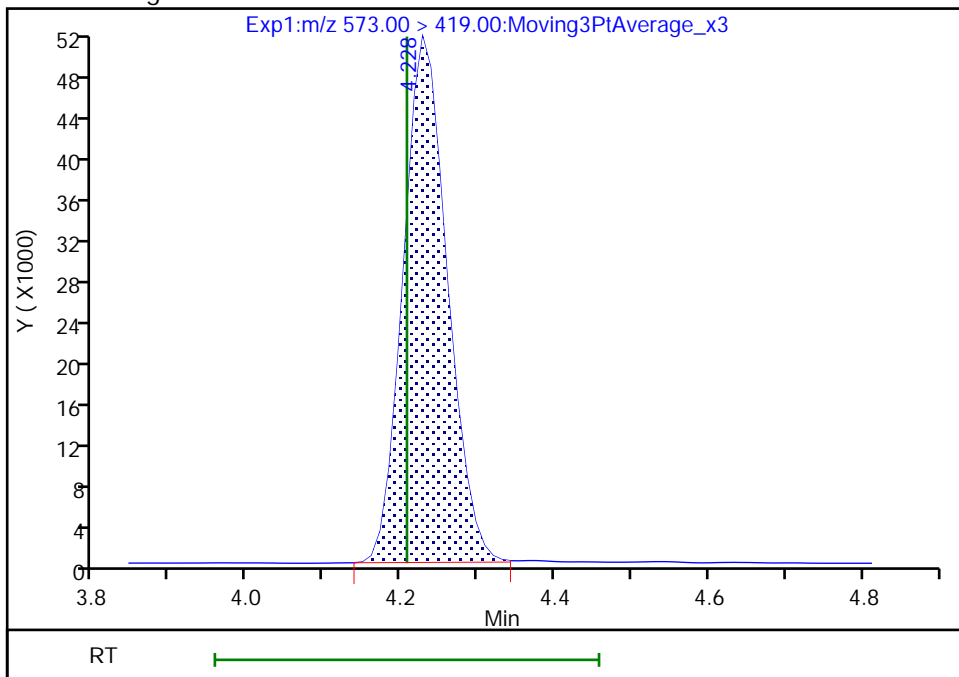
RT: 4.23
Area: 208826
Amount: 1.368656
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 206356
Amount: 1.354257
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:37:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

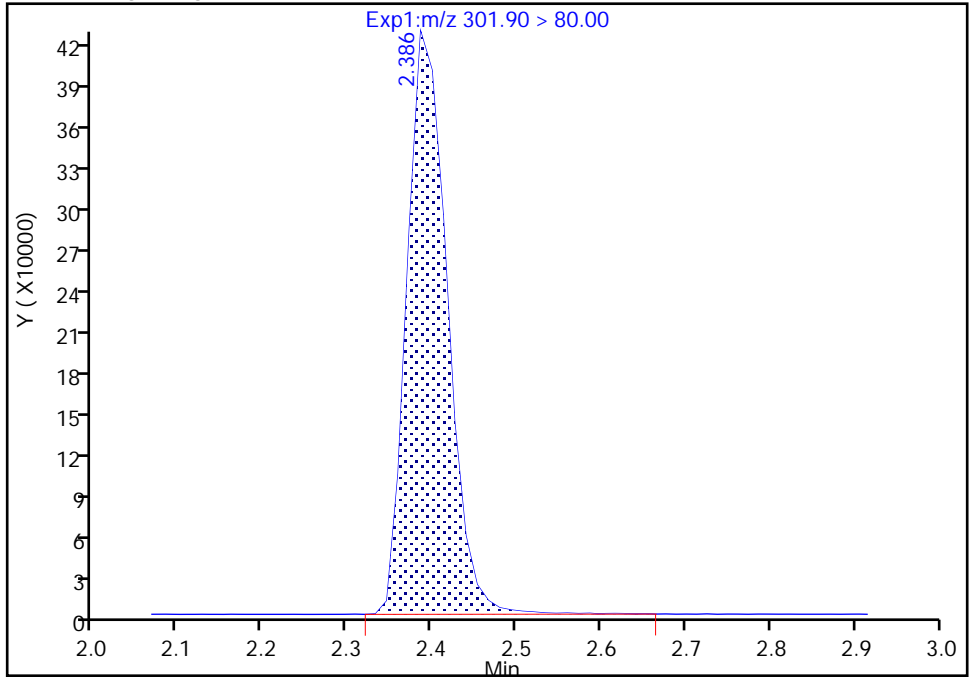
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B03B.d
Injection Date: 02-Sep-2022 17:39:25 Instrument ID: LC812
Lims ID: LCS 200-183198/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

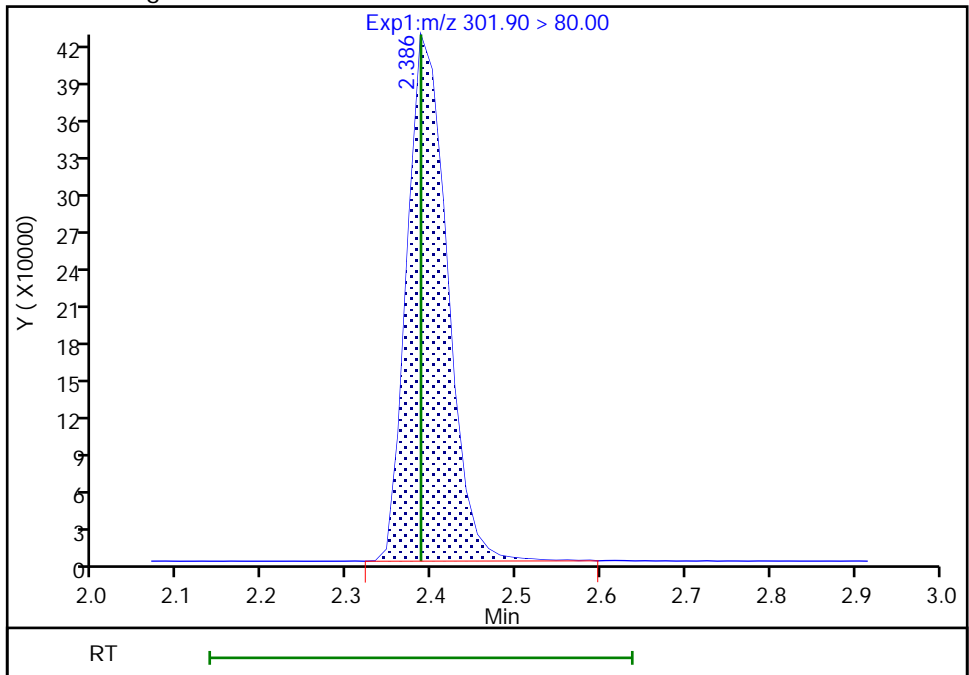
Processing Integration Results

RT: 2.39
Area: 1400741
Amount: 1.140168
Amount Units: ng/ml



Manual Integration Results

RT: 2.39
Area: 1398494
Amount: 1.139845
Amount Units: ng/ml



Reviewer: nampitakw, 05-Sep-2022 09:37:13
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

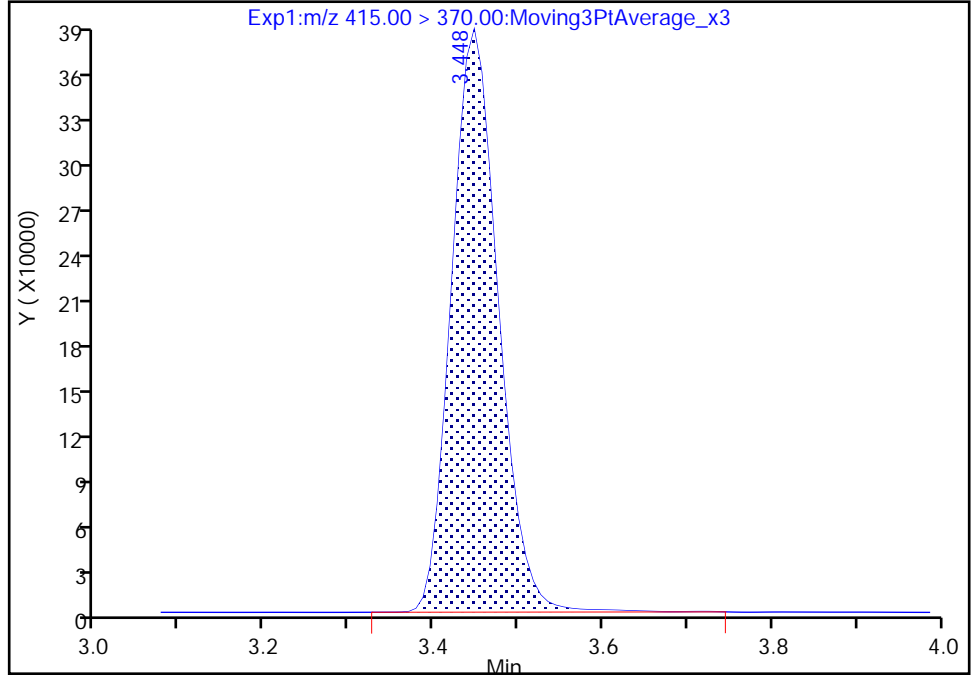
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B03B.d
Injection Date: 02-Sep-2022 17:39:25 Instrument ID: LC812
Lims ID: LCS 200-183198/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

* 62 13C2 PFOA, CAS: STL00623
Signal: 1

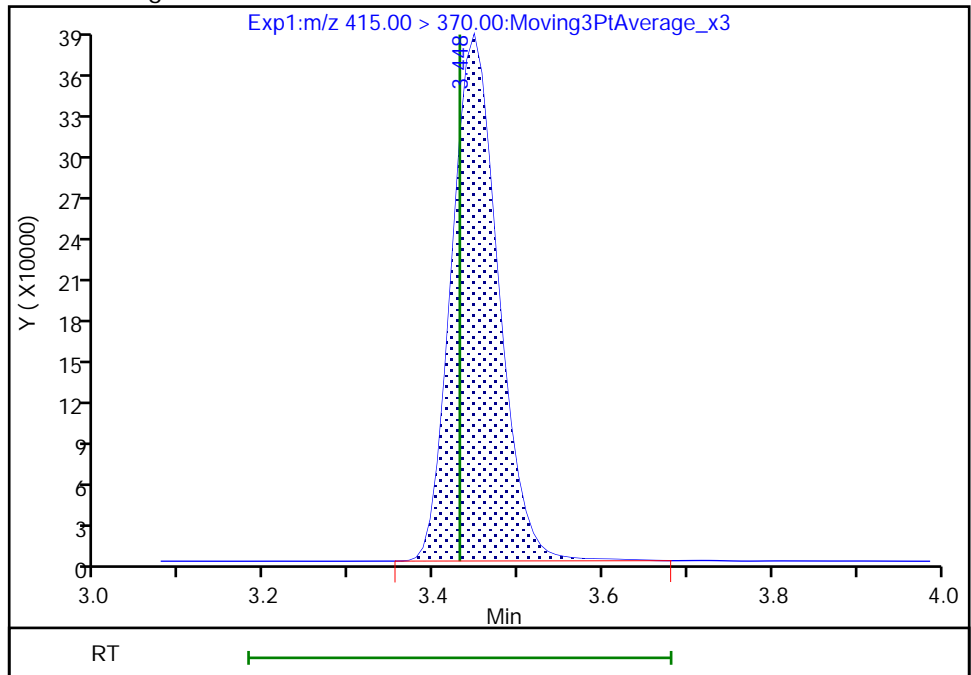
RT: 3.45
Area: 1478513
Amount: 1.250000
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 1476559
Amount: 1.250000
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 09:37:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-264366-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: 460-264441-A-1-B MS
 Matrix: Solid Lab File ID: PA220902B07.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: SHAKE Date Extracted: 09/01/2022 07:48
 Sample wt/vol: 5.03(g) Date Analyzed: 09/02/2022 18:12
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: 3.8 % Solids: 96.2 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 183258 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	2.196		0.52	0.34
2706-90-3	Perfluoropentanoic acid (PFPeA)	2.479		0.21	0.057
307-24-4	Perfluorohexanoic acid (PFHxA)	2.226		0.21	0.048
375-85-9	Perfluoroheptanoic acid (PFHpA)	2.344		0.21	0.040
335-67-1	Perfluorooctanoic acid (PFOA)	2.354		0.21	0.060
375-95-1	Perfluorononanoic acid (PFNA)	2.258		0.21	0.035
335-76-2	Perfluorodecanoic acid (PFDA)	2.072		0.21	0.029
2058-94-8	Perfluoroundecanoic acid (PFUnA)	2.019		0.21	0.028
307-55-1	Perfluorododecanoic acid (PFDoA)	1.964		0.21	0.026
72629-94-8	Perfluorotridecanoic acid (PFTriA)	2.057		0.21	0.026
376-06-7	Perfluorotetradecanoic acid (PFTeA)	1.763		0.21	0.027
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.761		0.21	0.034
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.857		0.21	0.042
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	1.990		0.21	0.024
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	2.119		0.21	0.11
335-77-3	Perfluorodecanesulfonic acid (PFDS)	2.118		0.21	0.020
754-91-6	Perfluorooctanesulfonamide (FOSA)	2.096		0.21	0.035
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.085		2.07	0.11
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.019	J	2.07	0.086
27619-97-2	6:2 FTS	2.384		2.07	0.059
39108-34-4	8:2 FTS	2.386		2.07	0.038

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-264366-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: 460-264441-A-1-B MS
 Matrix: Solid Lab File ID: PA220902B07.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: SHAKE Date Extracted: 09/01/2022 07:48
 Sample wt/vol: 5.03(g) Date Analyzed: 09/02/2022 18:12
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: 3.8 % Solids: 96.2 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 183258 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	82		50-150
STL01892	13C4 PFHpA	93		50-150
STL00990	13C4 PFOA	90		50-150
STL00991	13C4 PFOS	79		50-150
STL00995	13C5 PFNA	86		50-150
STL00992	13C4 PFBA	94		50-150
STL00993	13C2 PFHxA	97		50-150
STL00996	13C2 PFDA	96		50-150
STL00997	13C2 PFUnA	101		50-150
STL00998	13C2 PFDoA	104		50-150
STL01056	13C8 FOSA	90		50-150
STL01893	13C5 PFPeA	104		50-150
STL02116	13C2 PFTeDA	107		50-150
STL02118	d3-NMeFOSAA	110		50-150
STL02117	d5-NEtFOSAA	113		50-150
STL02279	M2-6:2 FTS	85		50-150
STL02280	M2-8:2 FTS	93		50-150
STL02337	13C3 PFBS	84		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B07.d
 Lims ID: 460-264441-A-1-B MS
 Client ID:
 Sample Type: MS
 Inject. Date: 02-Sep-2022 18:12:09 ALS Bottle#: 7 Worklist Smp#: 7
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 460-264441-A-1-B MS
 Misc. Info.: 200-0052318-007 Plate: 1 Rack: 2
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 06-Sep-2022 13:25:25 Calib Date: 03-Aug-2022 13:41:11
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1638

First Level Reviewer: nampitakw Date: 05-Sep-2022 10:09:10
 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	2.068	2.068	0.0	0.601	1586178	1.17	93.8	9347	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.068	2.068	0.0	1.000	1307791	1.06		106	142	M
D 3 13C5 PFPeA	267.90 > 223.00	2.373	2.374	-0.001	0.690	1346492	1.29	104	3192	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.373	2.374	-0.001	1.000	1332700	1.20		120	35.1	M
D 47 13C3 PFBS	301.90 > 80.00	2.386	2.387	-0.001	0.694	1181117	0.9808	84.4	183170	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.386	2.387	-0.001	1.000	955802	0.8522	Target=2.23	96.4	727	
298.90 > 99.00	2.386	2.387	-0.001	1.000	442861		2.16(1.11-3.34)		195	
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.677	2.677	-0.001	1.000	224119	1.02		109	217	M
D 60 M2-4:2 FTS	329.00 > 81.00	2.677	2.677	-0.001	0.779	107727	1.04	89.0	71.3	M
D 7 13C2 PFHxA	315.00 > 270.00	2.713	2.713	0.0	0.789	1262131	1.21	97.2	2404	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.713	2.713	0.0	1.000	1135541	1.08	Target=12.24	108	140	
313.00 > 119.00	2.713	2.713	0.0	1.000	89450		12.69(6.12-18.36)		121	M
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.725	2.713	0.012	0.886	833040	0.9239	Target=2.95	98.5	679	
349.00 > 99.00	2.725	2.713	0.012	0.886	271654		3.07(1.48-4.43)		368	
D 64 13C3 HFPO-DA	287.00 > 169.00	2.822	2.823	-0.001	0.821	225230	1.15	92.1	1664	

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	2.822	2.823	-0.001	1.000	176769	0.9130		91.3	1486	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.076	3.077	-0.001	1.000	689449	0.8989	Target=3.43	98.8	653	M
399.00 > 99.00	3.076	3.077	-0.001	1.000	192827		3.58(1.72-5.15)		264	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.076	3.077	-0.001	0.895	822324	0.9709		82.1	2228	
D 9 13C4 PFHpA										M
367.00 > 322.00	3.087	3.077	0.010	0.898	1258162	1.17		93.4	1930	M
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.087	3.077	0.010	1.000	1177188	1.13	Target=3.73	113	217	M
363.00 > 169.00	3.087	3.077	0.010	1.000	296997		3.96(1.86-5.59)		532	M
77 DONA										
377.00 > 251.00	3.121	3.110	0.011	0.832	2510225	1.22	Target=2.84	129	2225	
377.00 > 85.00	3.121	3.110	0.011	0.832	823571		3.05(1.42-4.26)		911	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.429	3.422	0.007	0.997	142702	1.01		84.8	268	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.429	3.422	0.007	1.000	204996	1.15		122	800	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.429	3.422	0.007	0.914	595018	0.9631	Target=4.89	101	863	M
449.00 > 99.00	3.429	3.422	0.007	0.914	112646		5.28(2.44-7.33)		347	M
D 14 13C4 PFOA										
417.00 > 372.00	3.438	3.430	0.008	1.000	1237891	1.12		89.7	3364	
* 62 13C2 PFOA										
415.00 > 370.00	3.438	3.430	0.008		1449305	1.25			4460	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.438	3.430	0.008	1.000	1265397	1.14	Target=2.67	114	79.6	M
413.00 > 169.00	3.438	3.430	0.008	1.000	469301		2.70(1.34-4.01)		808	M
D 18 13C4 PFOS										
503.00 > 80.00	3.753	3.745	0.008	1.092	597287	0.9444		79.0	1417	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.753	3.745	0.008	1.000	519248	1.03	Target=4.88	111	372	M
499.00 > 99.00	3.753	3.745	0.008	1.000	107880		4.81(2.44-7.32)		284	M
D 19 13C5 PFNA										M
468.00 > 423.00	3.772	3.764	0.008	1.097	1226570	1.07		85.6	2494	M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.772	3.764	0.008	1.000	1091522	1.09	Target=8.23	109	219	
463.00 > 169.00	3.772	3.764	0.008	1.000	138385		7.89(4.11-12.34)		883	M
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.927	3.916	0.011	1.046	1009503	1.14		123	2402	
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.050	4.042	0.008	1.079	387024	0.9890	Target=2.53	103	1200	M
549.00 > 99.00	4.050	4.042	0.008	1.079	150263		2.58(1.26-3.79)		510	M
D 23 13C2 PFDA										
515.00 > 470.00	4.081	4.061	0.020	1.187	1345306	1.21		96.4	4112	

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	4.061	0.020	1.000	1135222	1.00	Target=9.67	100	296	M
513.00 > 169.00	4.081	4.061	0.020	1.000	115351		9.84(4.83-14.50)		390	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.081	4.071	0.010	1.187	189423	1.11		92.7	367	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.081	4.071	0.010	1.000	176456	1.16		121	729	M
D 21 13C8 FOSA										M
506.00 > 78.00	4.138	4.127	0.011	1.204	1097812	1.12		89.9	867	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.138	4.127	0.011	1.000	908011	1.01		101	1512	
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.217	4.207	0.010	1.227	206035	1.38		110	771	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.228	4.218	0.010	1.002	147777	1.01		101	450	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.319	4.308	0.011	1.151	298611	1.03	Target=2.80	106	1284	
599.00 > 99.00	4.319	4.308	0.011	1.151	113258		2.64(1.40-4.20)		687	
D 30 13C2 PFUnA										
565.00 > 520.00	4.353	4.342	0.011	1.266	1064614	1.26		101	2326	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.353	4.342	0.011	1.000	881797	0.9773	Target=9.07	97.7	359	
563.00 > 169.00	4.342	4.342	0.0	0.997	98932		8.91(4.54-13.61)		1167	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.353	4.342	0.011	1.266	199736	1.41		113	581	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.365	4.354	0.010	1.003	141769	0.9772		97.7	914	M
66 11-Chloroeicosafuoro-3-oxaundec										M
631.00 > 451.00	4.443	4.432	0.011	1.184	1378160	1.20		127	2591	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.591	4.580	0.011	1.336	1137705	1.30		104	2564	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.591	4.580	0.011	1.000	877618	0.9508	Target=6.97	95.1	133	
613.00 > 169.00	4.591	4.580	0.011	1.000	127357		6.89(3.48-10.45)		715	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.602	4.602	0.0	1.128	93529	1.31		136	712	M
75 Perfluorododecanesulfonic acid (
699.00 > 80.00	4.767	4.758	0.009	1.270	117484	0.9086	Target=0.52	93.9	885	
699.00 > 99.00	4.767	4.758	0.009	1.270	229620		0.51(0.26-0.79)		1676	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.803	4.785	0.018	1.046	796565	1.00	Target=4.56	99.6	143	
663.00 > 169.00	4.803	4.785	0.018	1.046	159532		4.99(2.28-6.84)		1147	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.002	4.992	0.010	1.455	960845	1.34		107	2198	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.002	4.992	0.010	1.000	105128	0.8537	Target=0.94	85.4	886	
713.00 > 219.00	5.002	4.992	0.010	1.000	114274		0.92(0.47-1.41)		1302	

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	5.344	0.022	1.561	611954	0.7501		60.0	2227	
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.366	5.344	0.022	1.000	431699	0.9656	Target=4.38	96.6	104	M
813.00 > 169.00	5.366	5.344	0.022	1.000	91159		4.74(2.19-6.57)		727	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.713	5.695	0.018	1.065	167275	0.5139	Target=4.31	51.4	81.2	M
913.00 > 169.00	5.713	5.695	0.018	1.065	33262		5.03(2.16-6.47)		382	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B07.d

Injection Date: 02-Sep-2022 18:12:09

Instrument ID: LC812

Lims ID: 460-264441-A-1-B MS

Client ID:

Operator ID: lc812tech

ALS Bottle#: 7

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

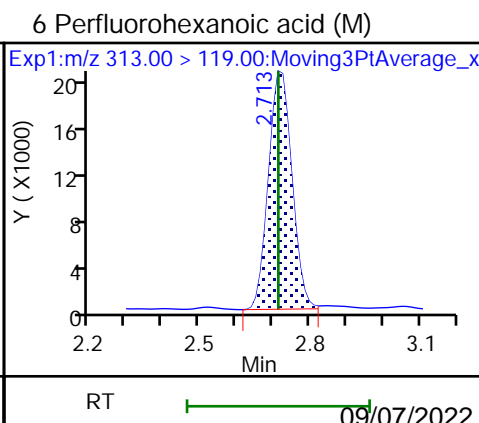
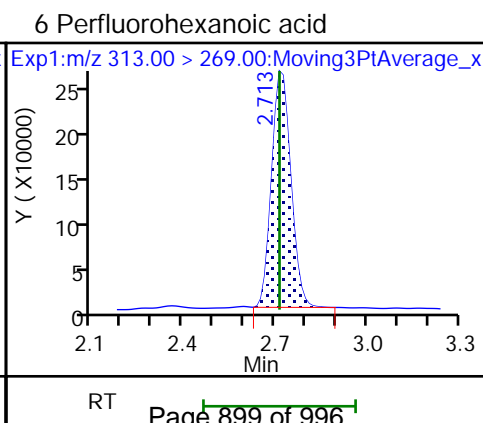
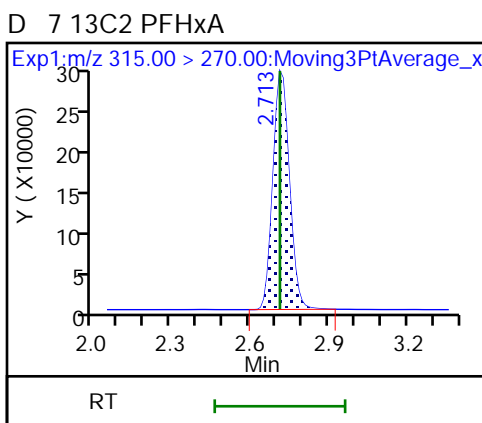
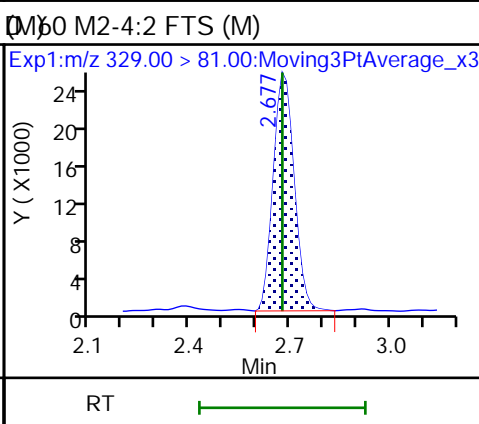
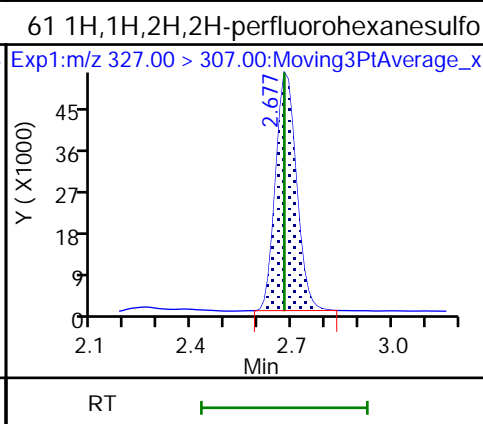
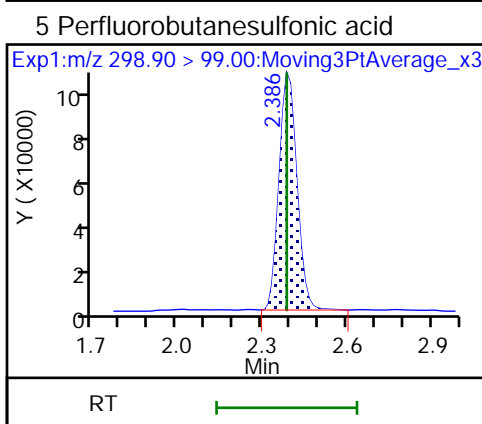
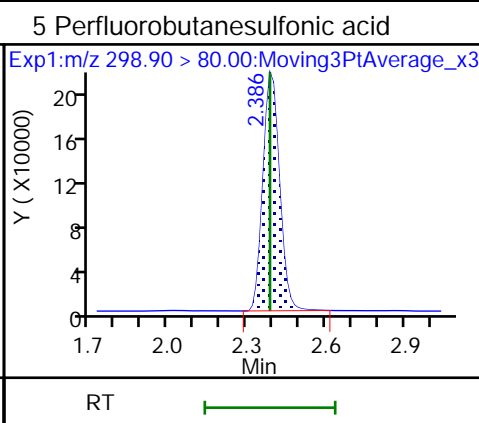
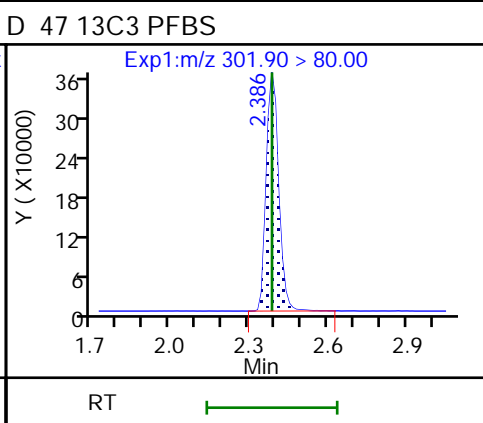
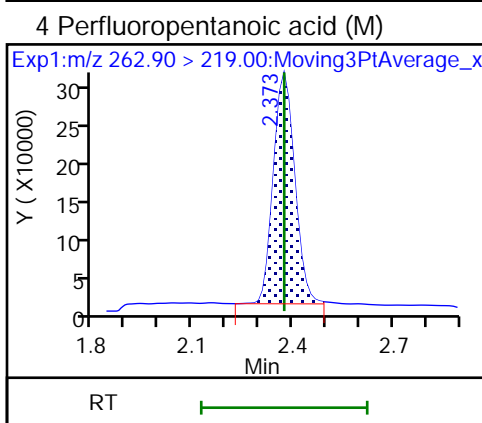
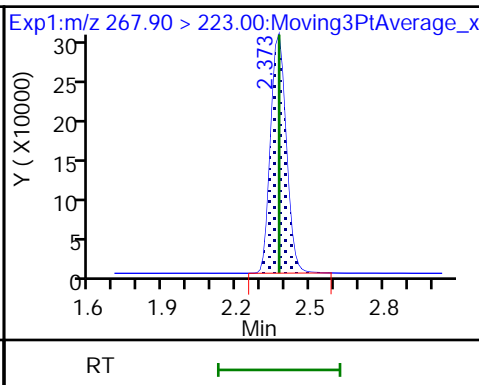
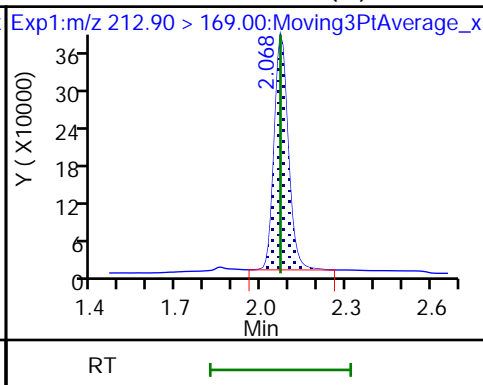
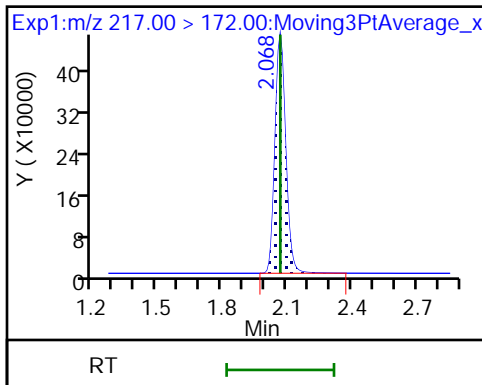
Method: PFC_LC812

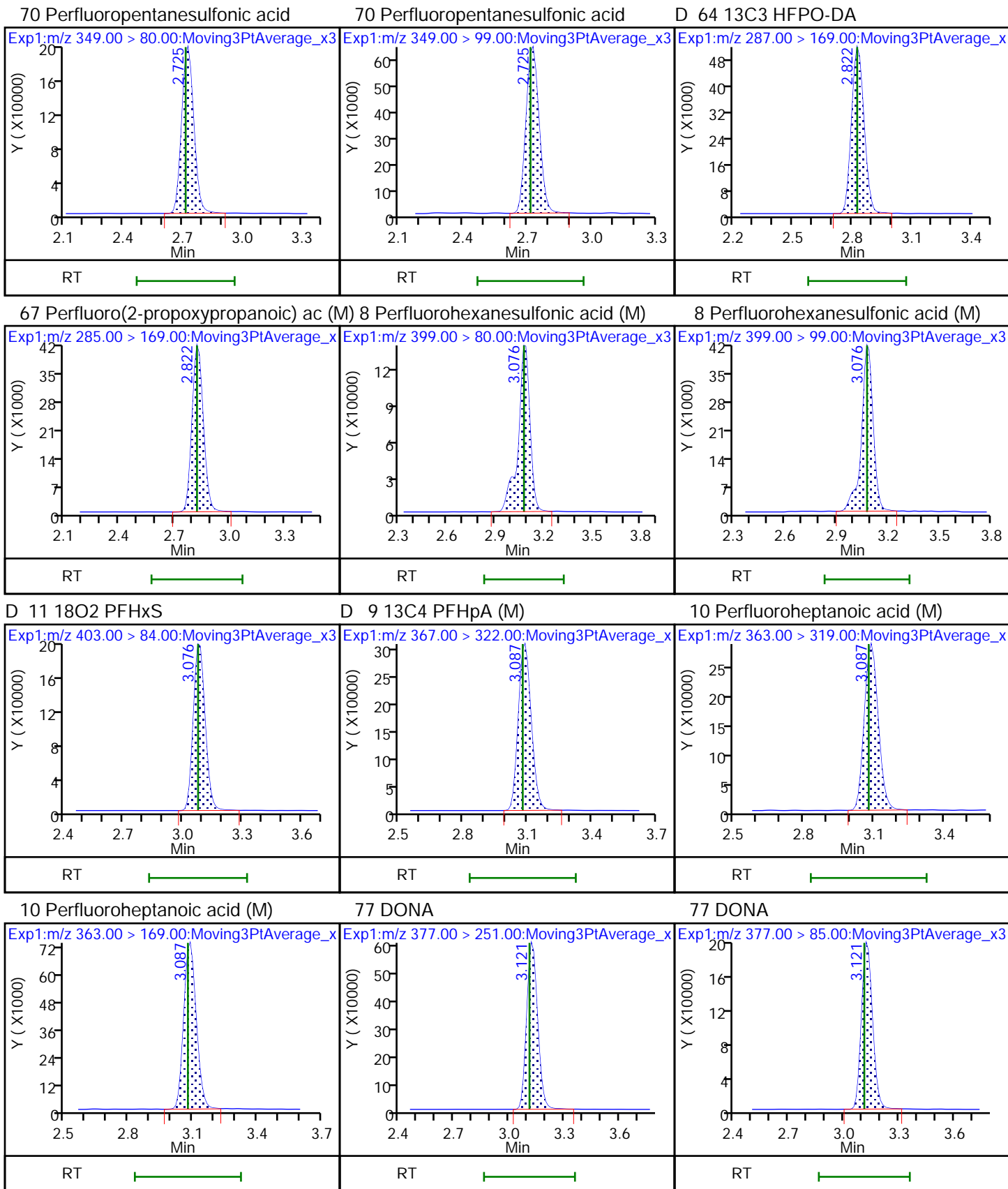
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D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

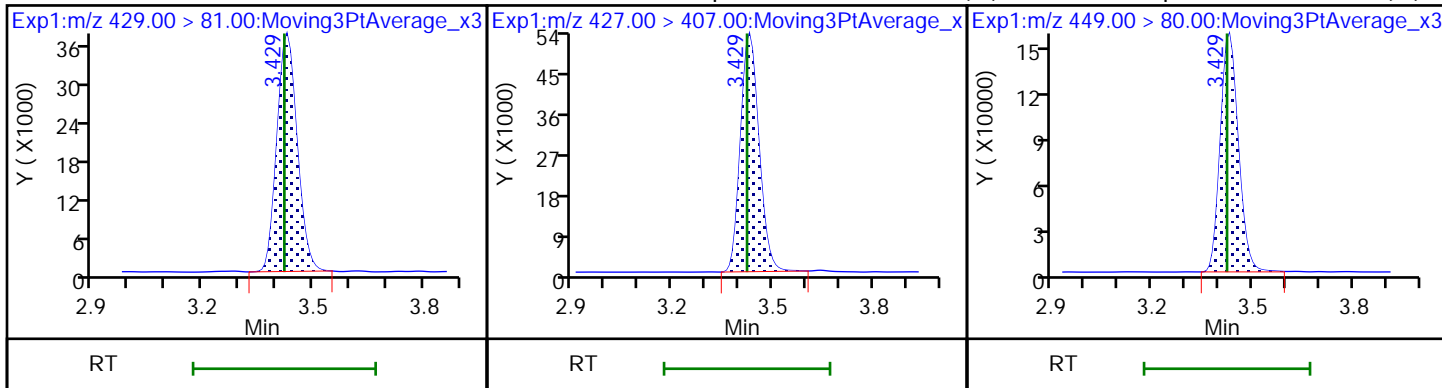
D 3 13C5 PFPeA





D 12 M2-6:2 FTS

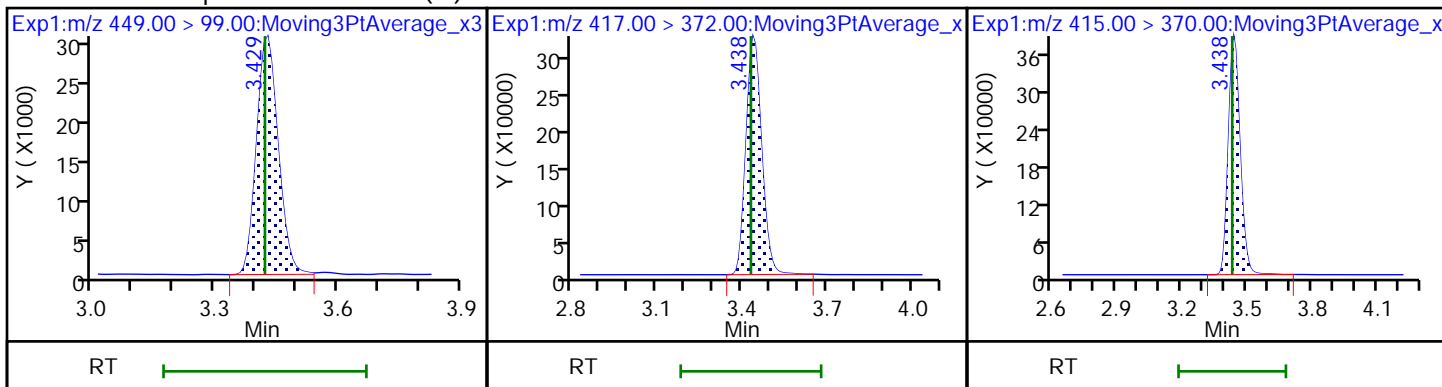
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 6 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

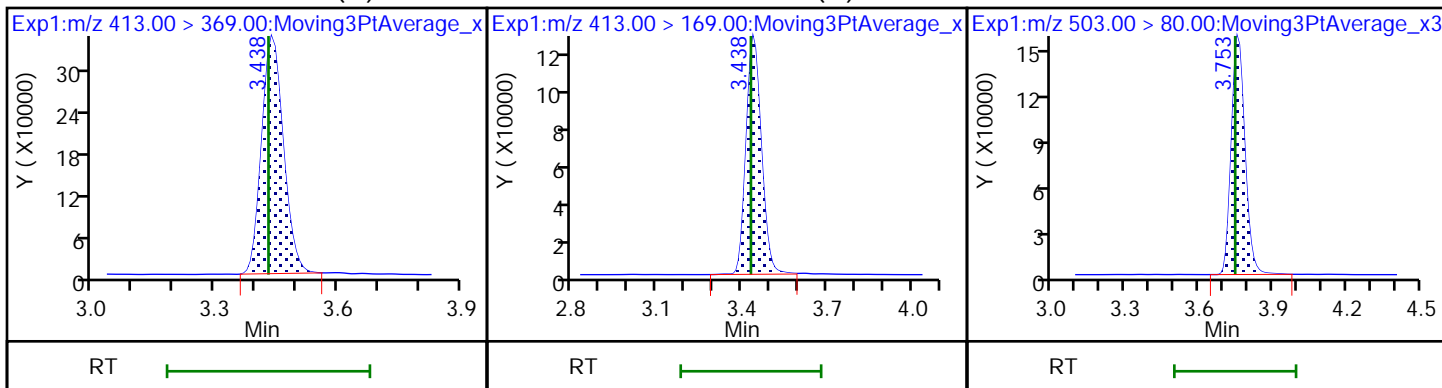
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

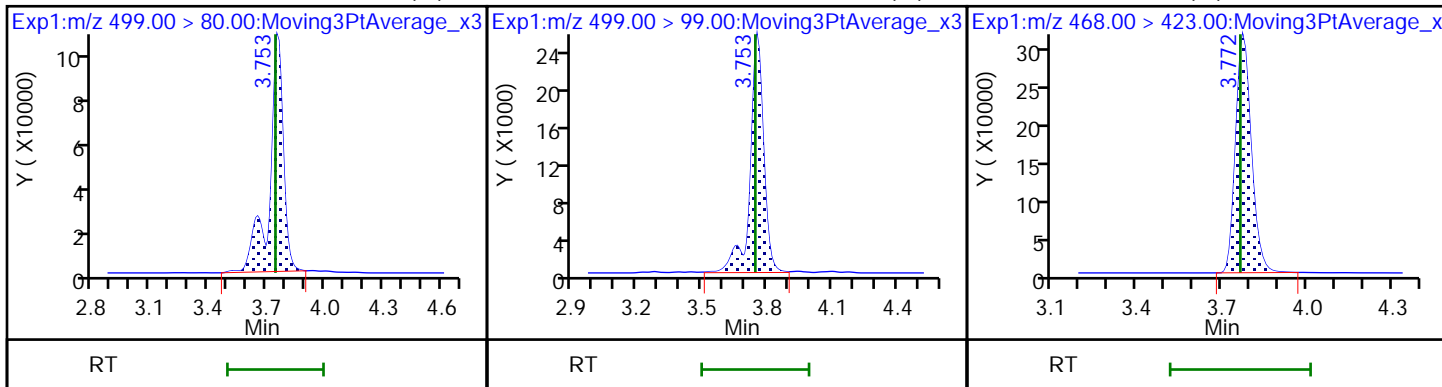
D 18 13C4 PFOS

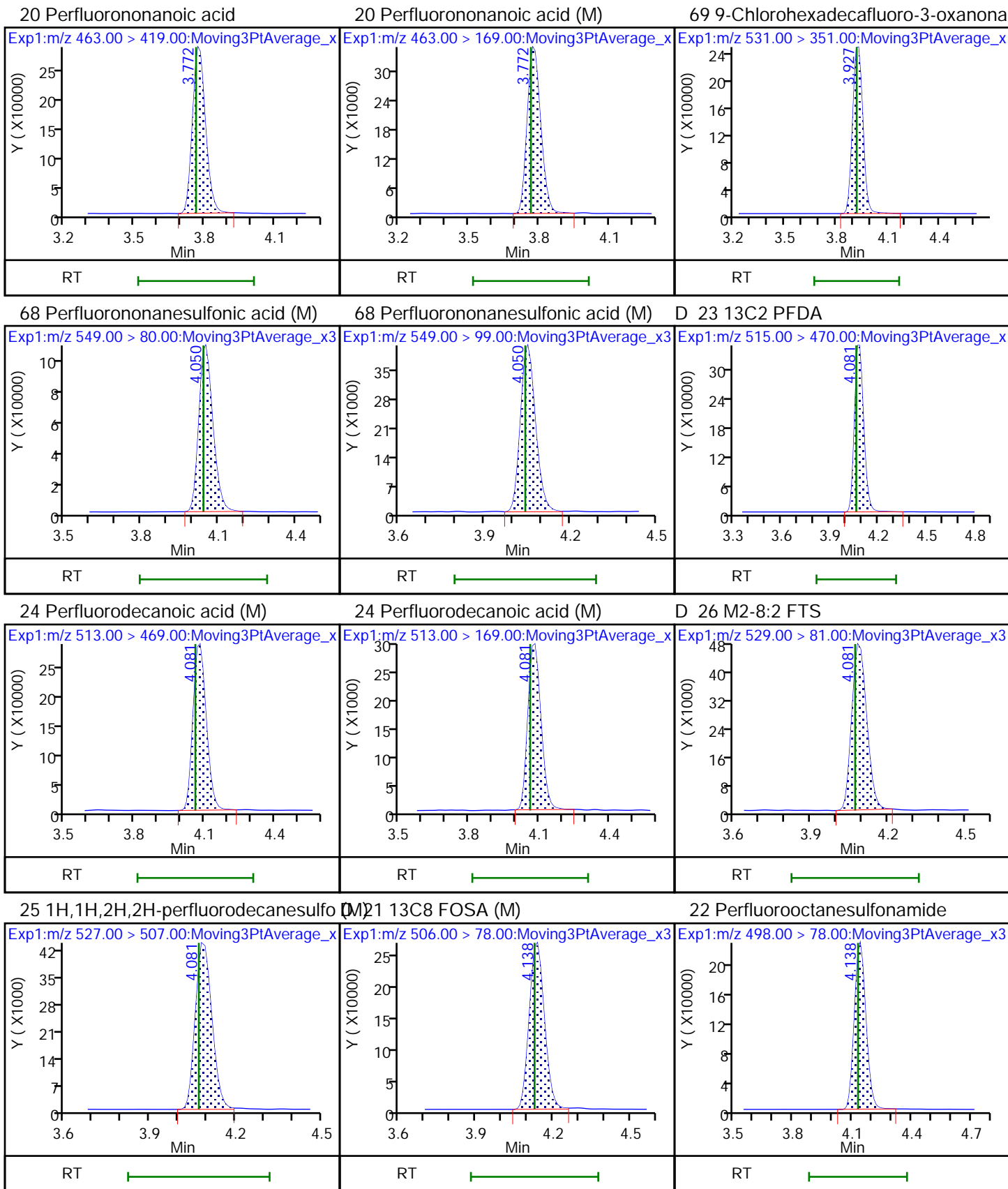


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

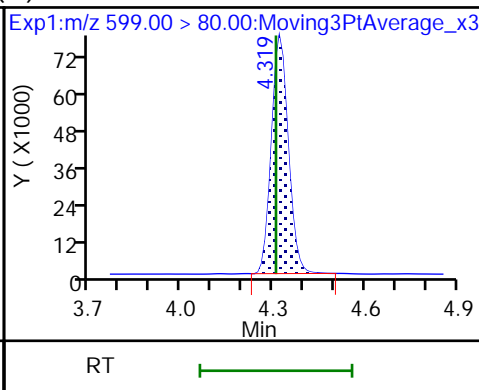
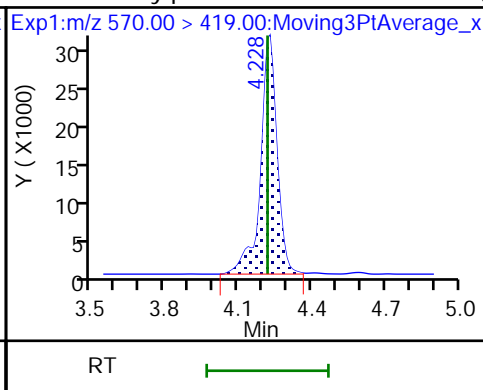
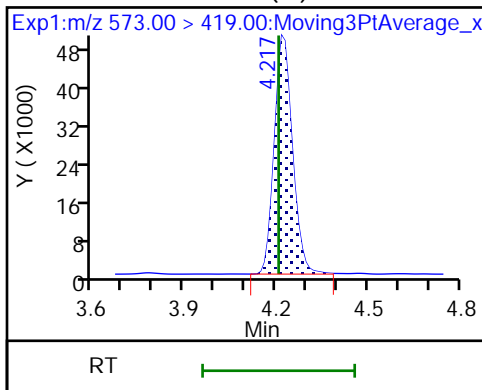
D 19 13C5 PFNA (M)





D 27 d3-NMeFOSAA (M)

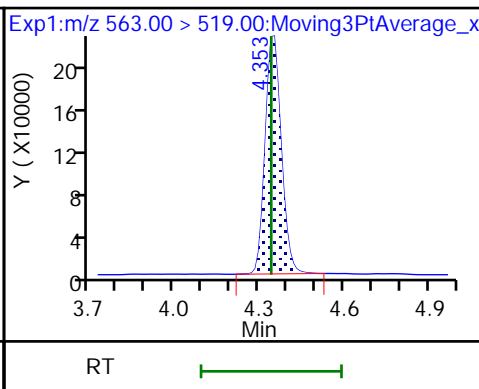
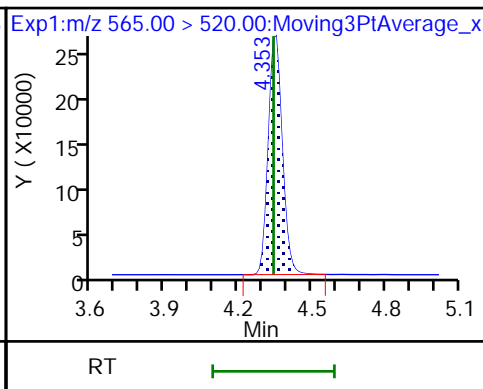
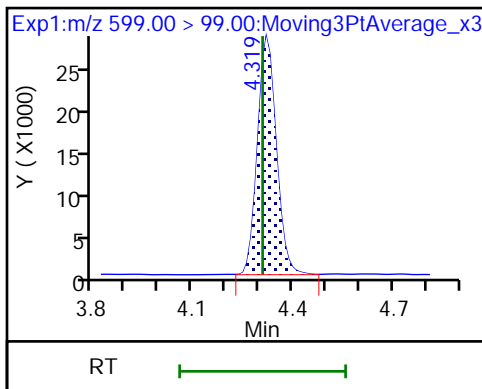
28 N-methylperfluorooctanesulfonami (M) 29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid

D 30 13C2 PFUoA

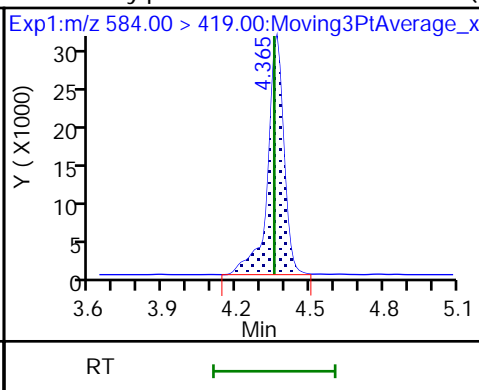
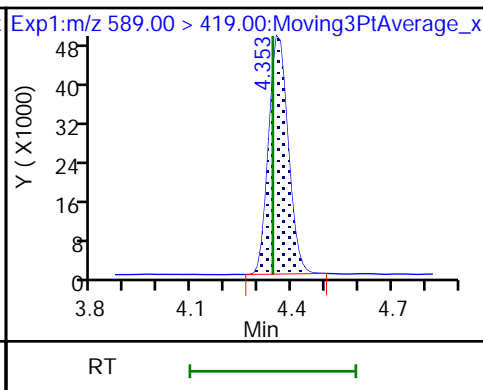
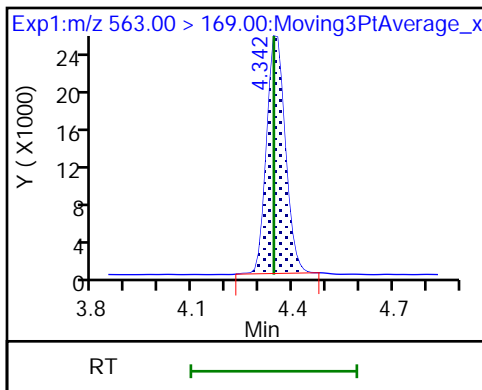
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid

D 32 d5-NEtFOSAA

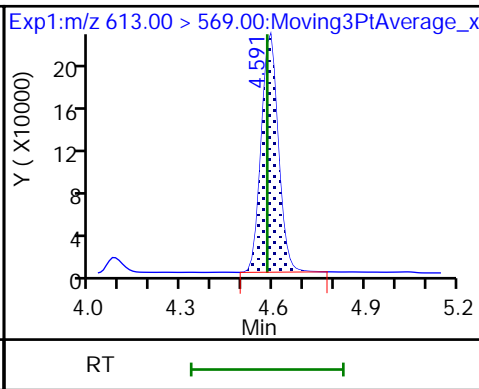
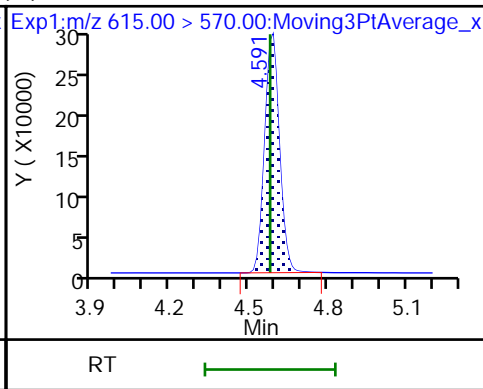
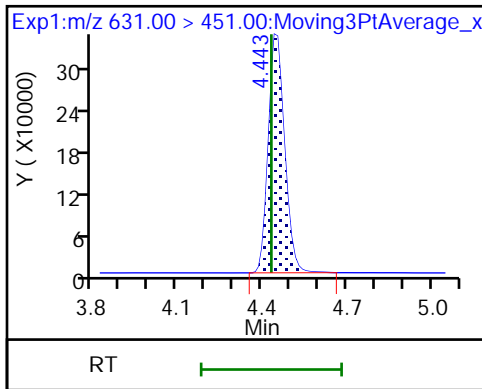
33 N-ethylperfluorooctanesulfonamid (M)

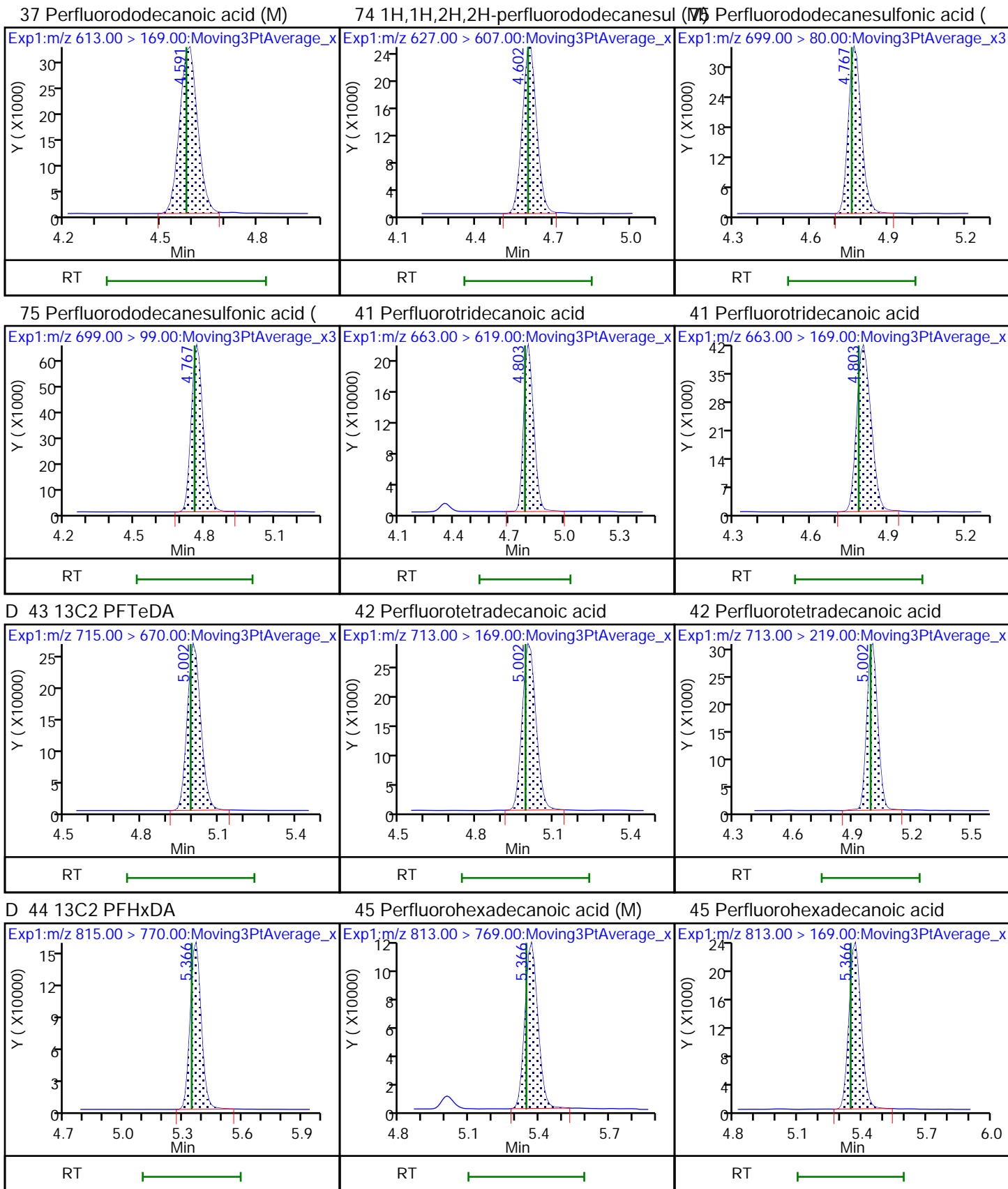


66 11-Chloroeicosafuoro-3-oxaundec (M)

36 13C2 PFDoA

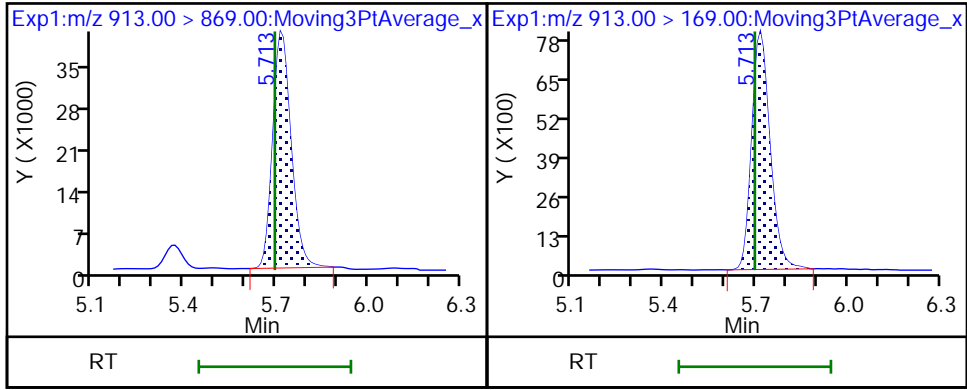
37 Perfluorododecanoic acid





46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid



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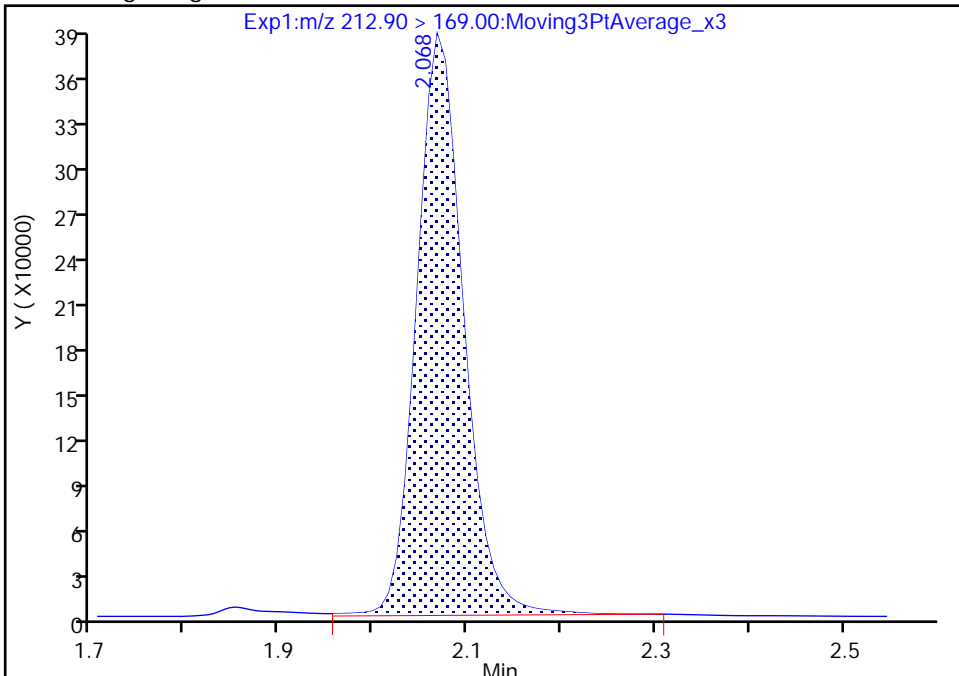
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Injection Date:	02-Sep-2022 18:12:09	Instrument ID:	LC812
Lims ID:	460-264441-A-1-B MS		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	7

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

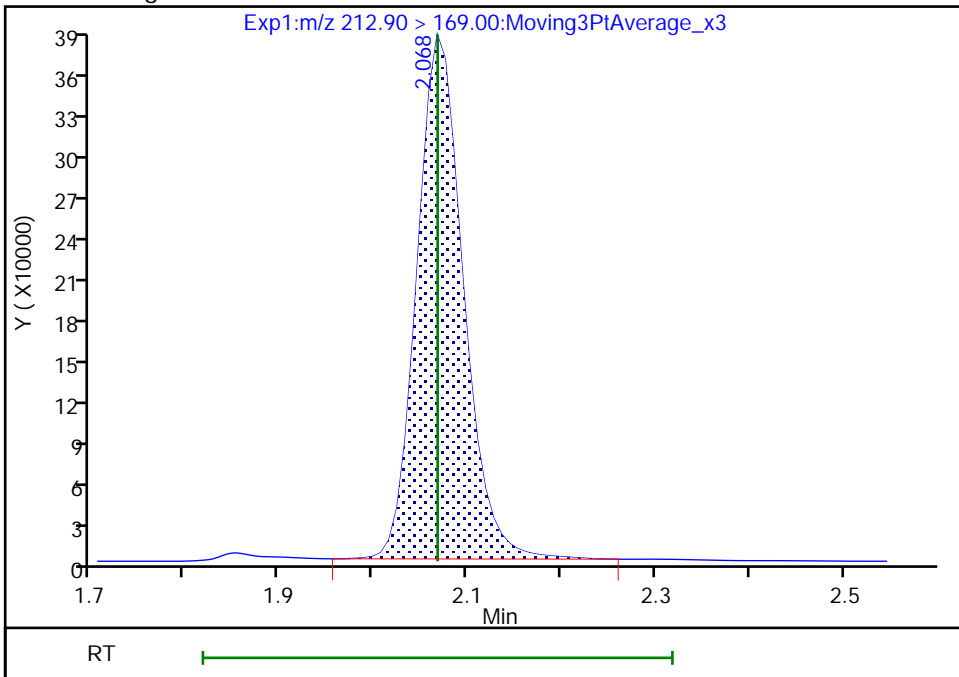
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 Area: 1324213
 Amount: 1.076175
 Amount Units: ng/ml

Processing Integration Results



RT: 2.07
 Area: 1307791
 Amount: 1.062829
 Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:03:11
 Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

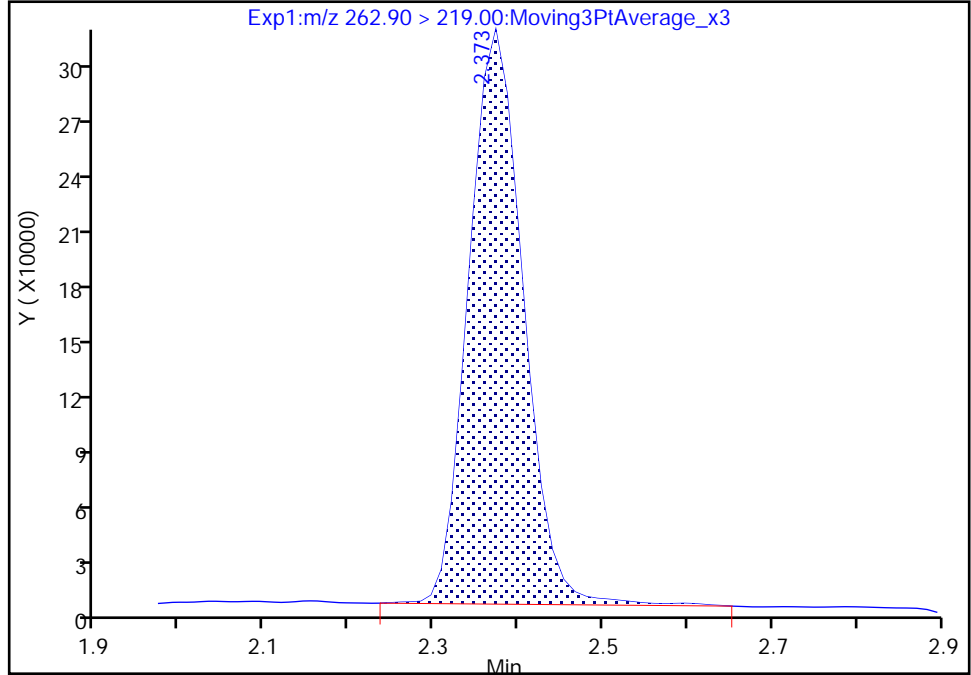
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Injection Date: 02-Sep-2022 18:12:09 Instrument ID: LC812
Lims ID: 460-264441-A-1-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

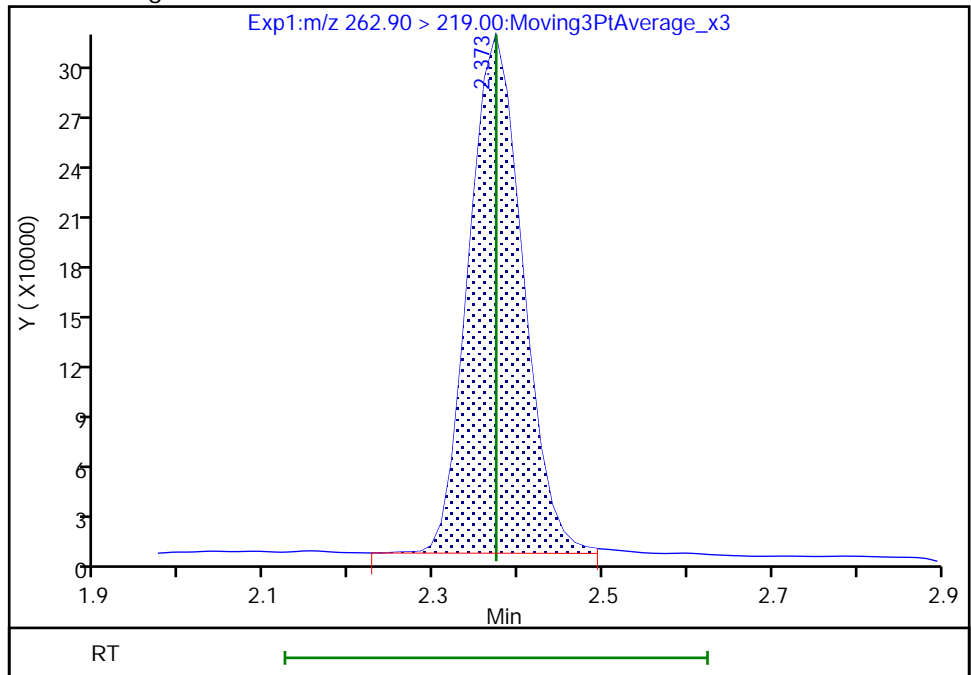
RT: 2.37
Area: 1350371
Amount: 1.215981
Amount Units: ng/ml

Processing Integration Results



RT: 2.37
Area: 1332700
Amount: 1.200069
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:03:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

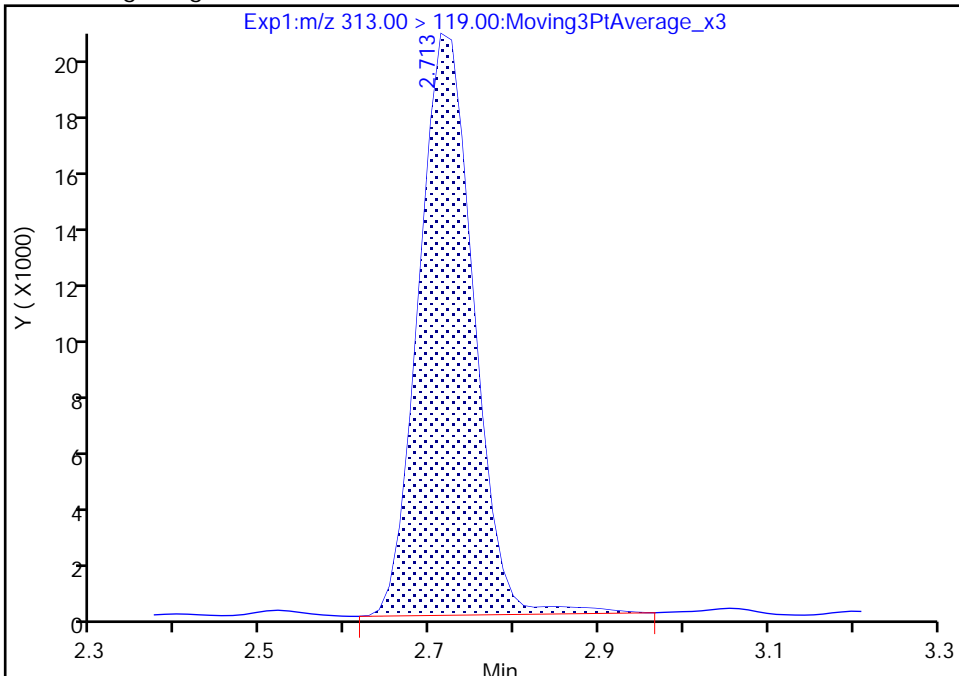
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Lims ID: 460-264441-A-1-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

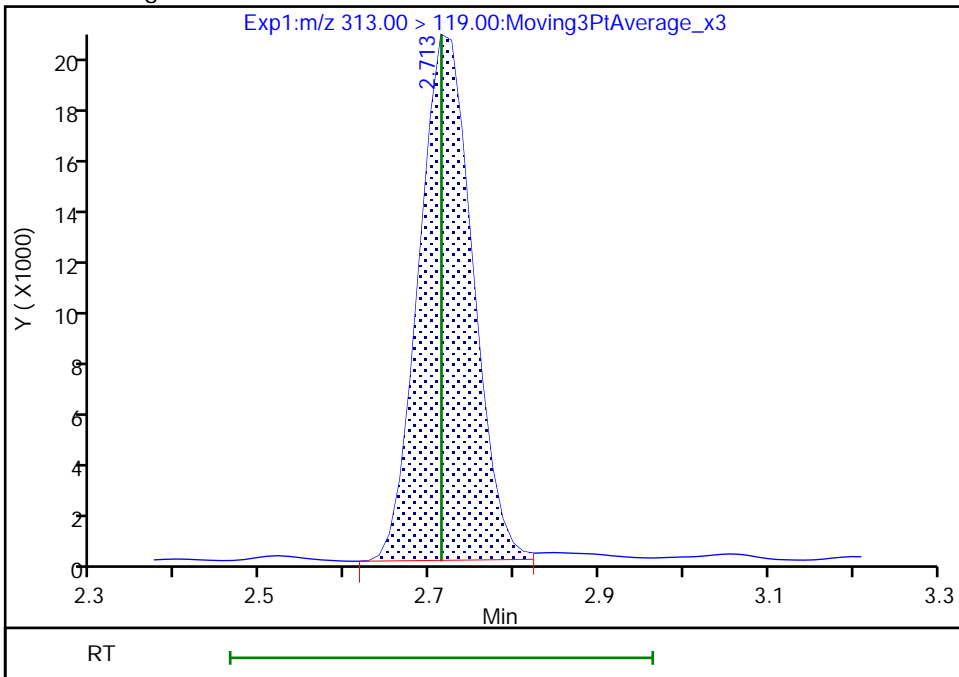
RT: 2.71
Area: 90715
Amount: 1.077787
Amount Units: ng/ml

Processing Integration Results



RT: 2.71
Area: 89450
Amount: 1.077787
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:03:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 908 of 996

Eurofins Burlington

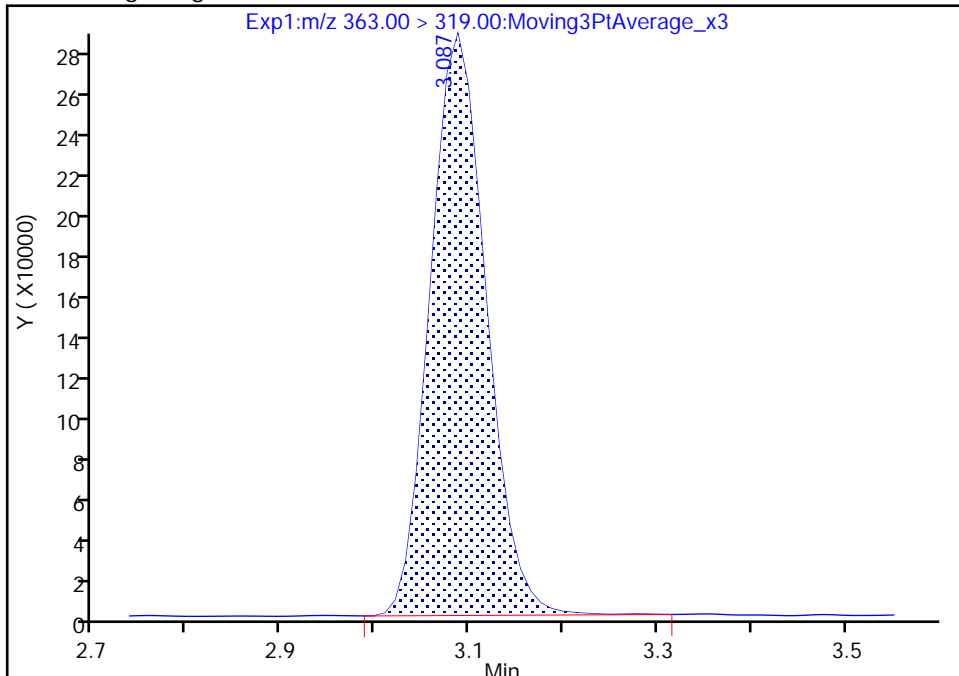
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Injection Date: 02-Sep-2022 18:12:09 Instrument ID: LC812
Lims ID: 460-264441-A-1-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

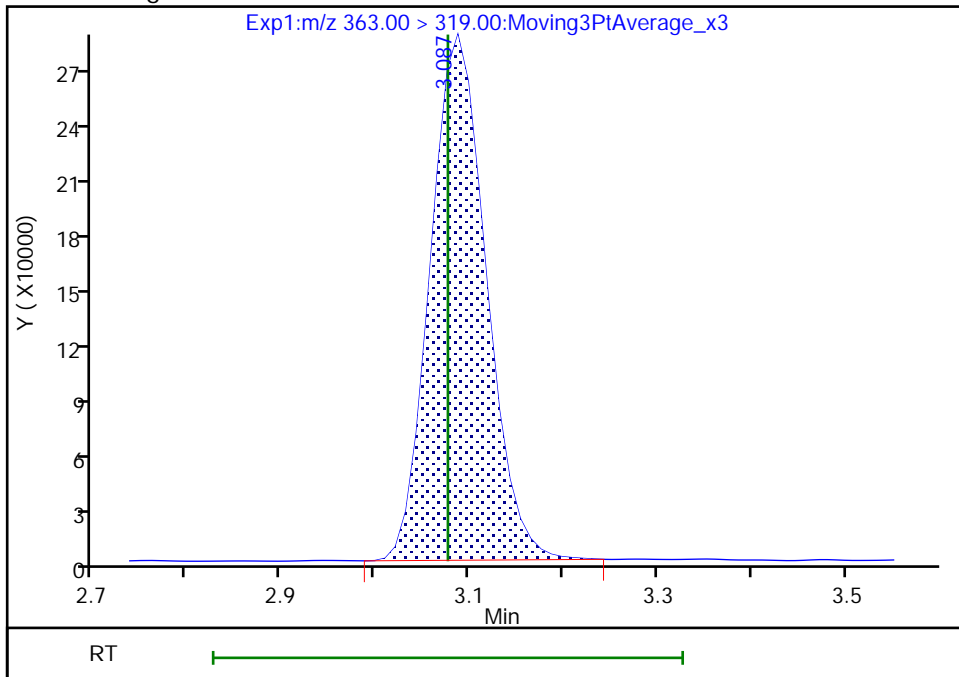
RT: 3.09
Area: 1180193
Amount: 1.137723
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 1177188
Amount: 1.134827
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:04:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

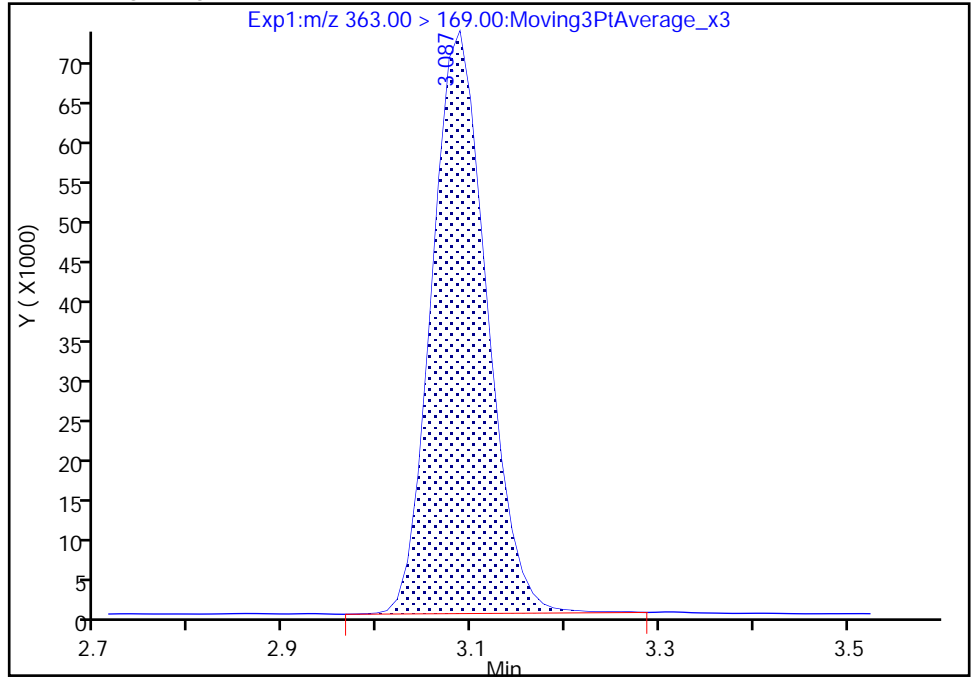
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Injection Date: 02-Sep-2022 18:12:09 Instrument ID: LC812
Lims ID: 460-264441-A-1-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

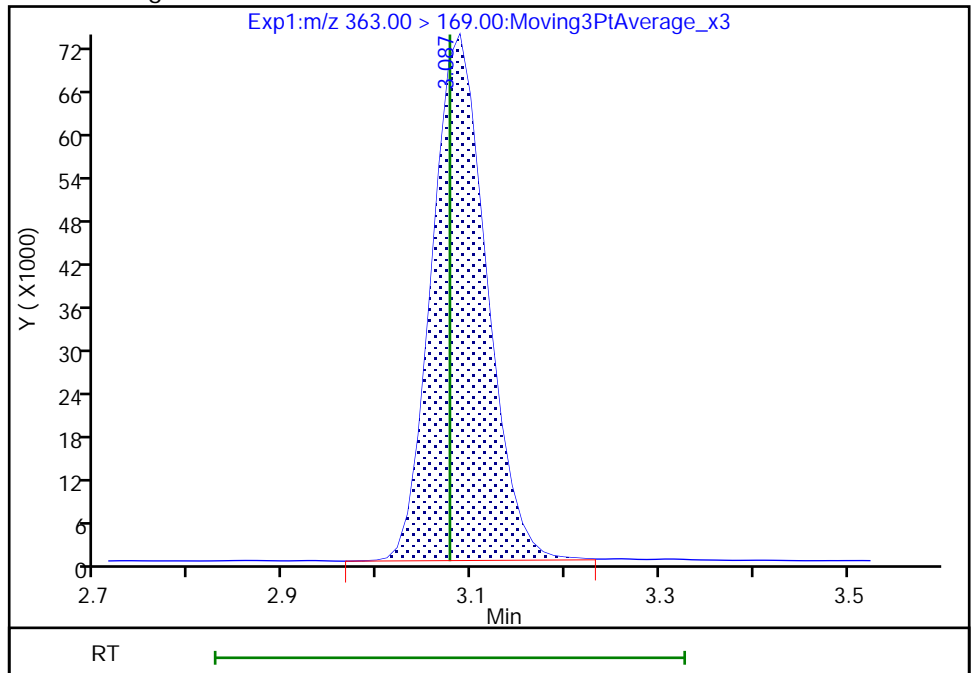
RT: 3.09
Area: 297252
Amount: 1.137723
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 296997
Amount: 1.134827
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Sep-2022 10:04:13

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

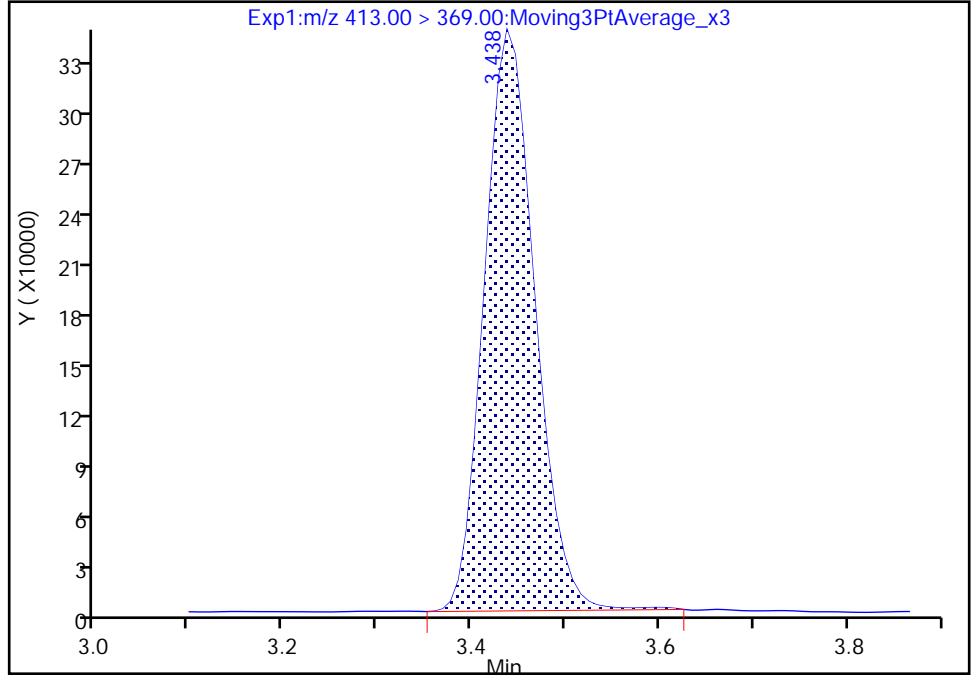
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Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

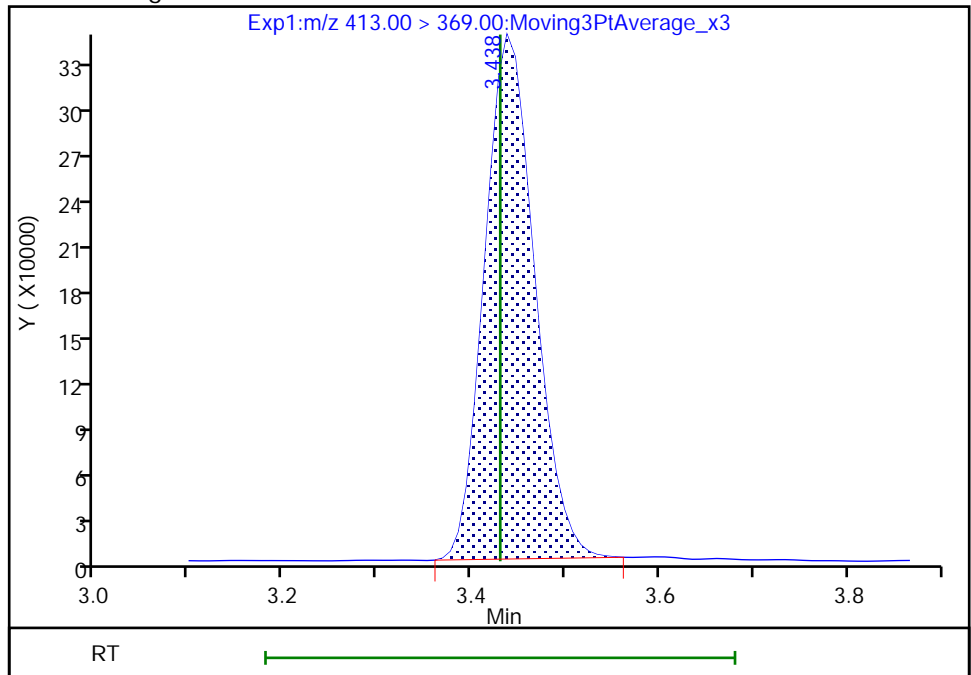
RT: 3.44
Area: 1277692
Amount: 1.150519
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 1265397
Amount: 1.139448
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:04:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

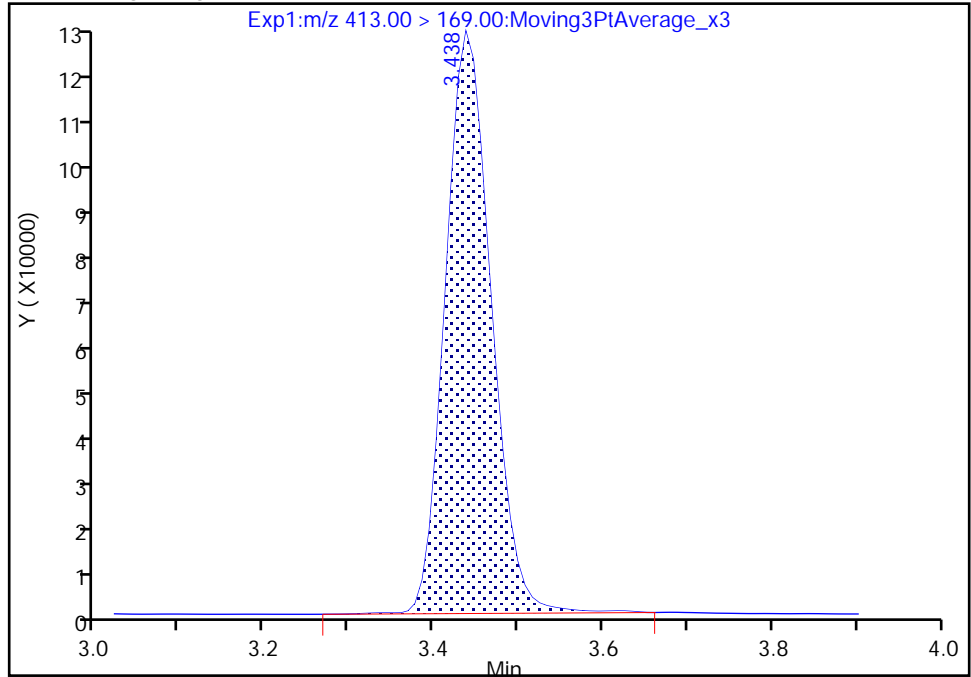
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Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

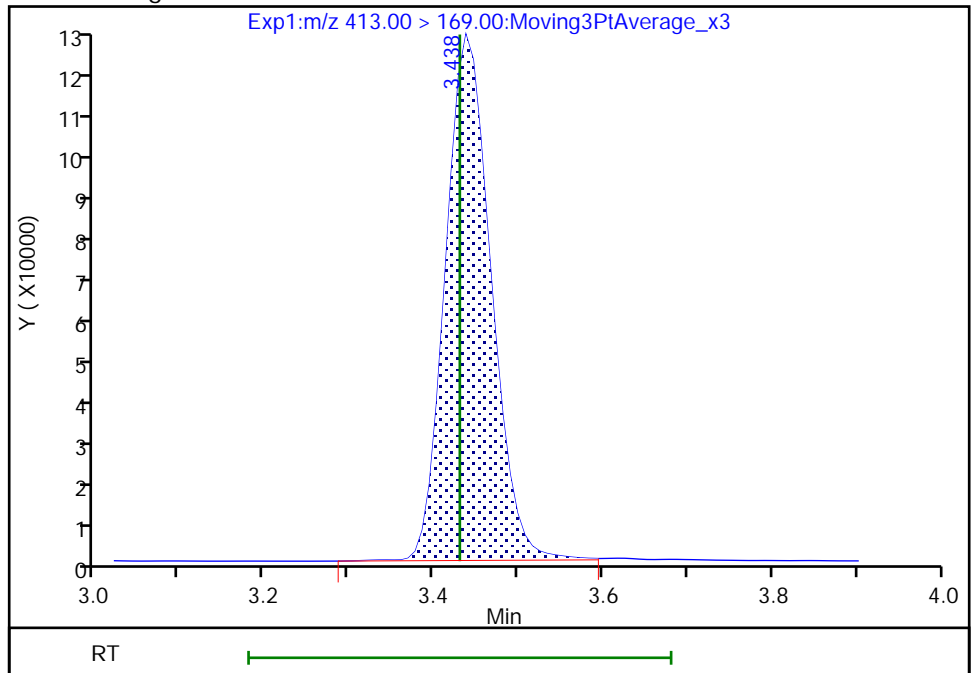
RT: 3.44
Area: 470291
Amount: 1.150519
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 469301
Amount: 1.139448
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Sep-2022 10:05:03

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

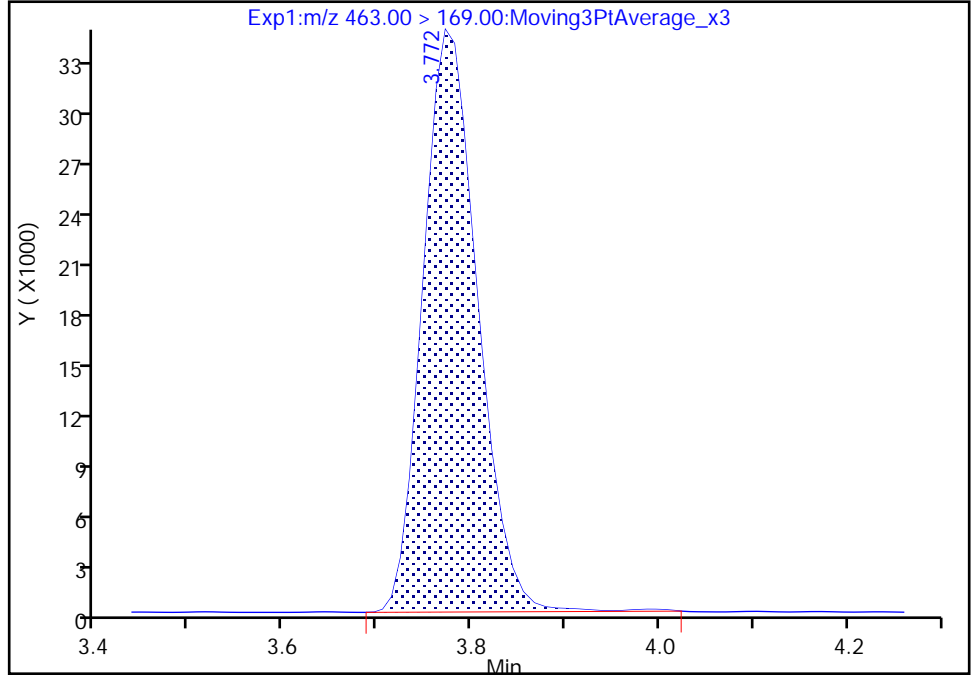
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Lims ID: 460-264441-A-1-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

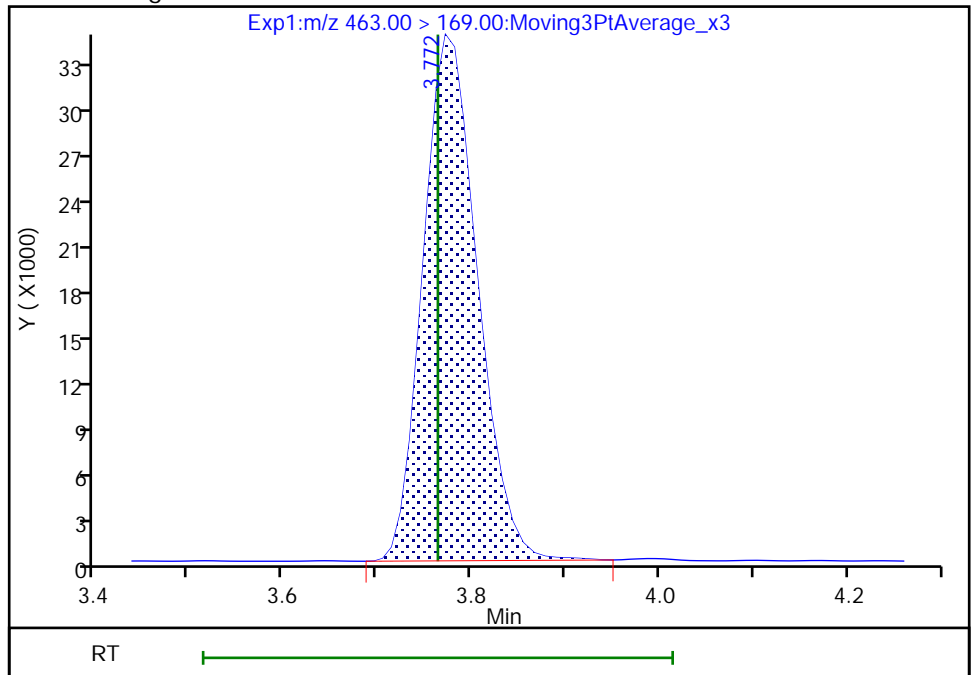
RT: 3.77
Area: 138896
Amount: 1.093251
Amount Units: ng/ml

Processing Integration Results



RT: 3.77
Area: 138385
Amount: 1.093251
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:05:36
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

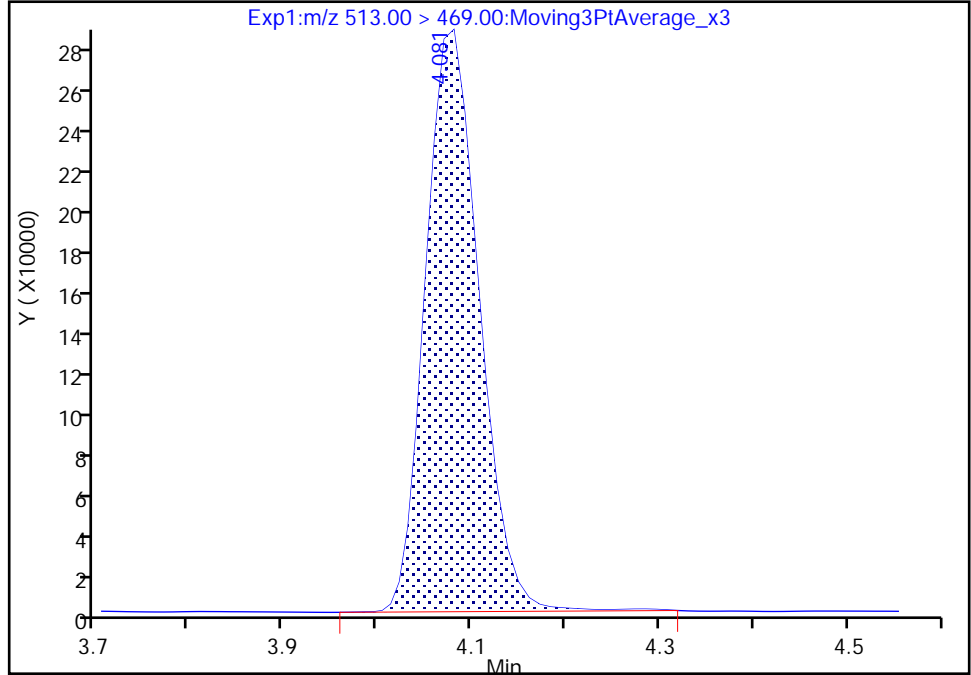
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Lims ID: 460-264441-A-1-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

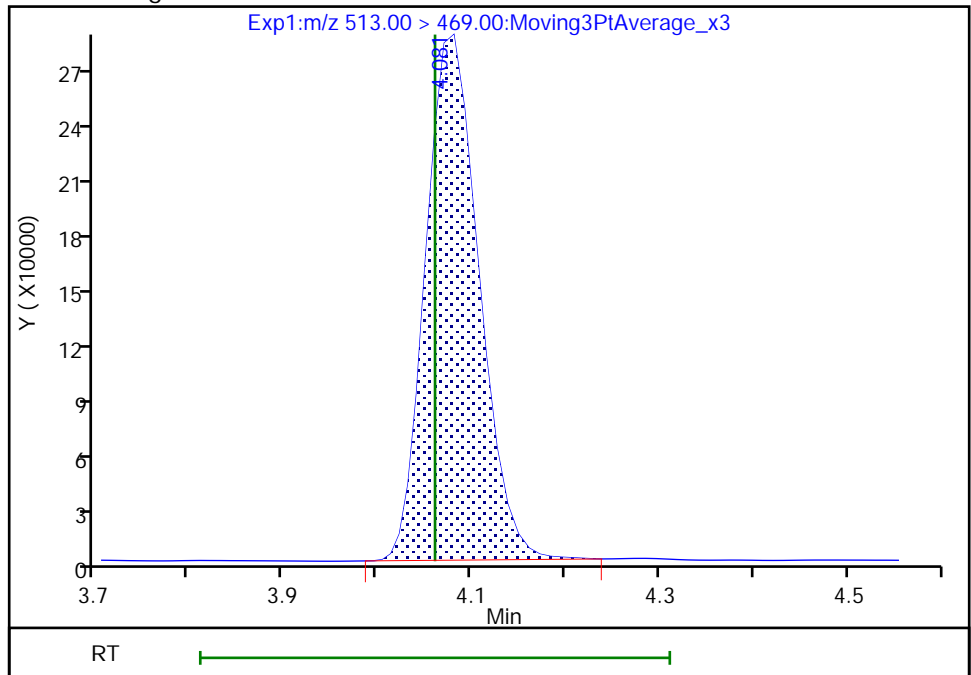
RT: 4.08
Area: 1142821
Amount: 1.009662
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 1135222
Amount: 1.002948
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:06:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

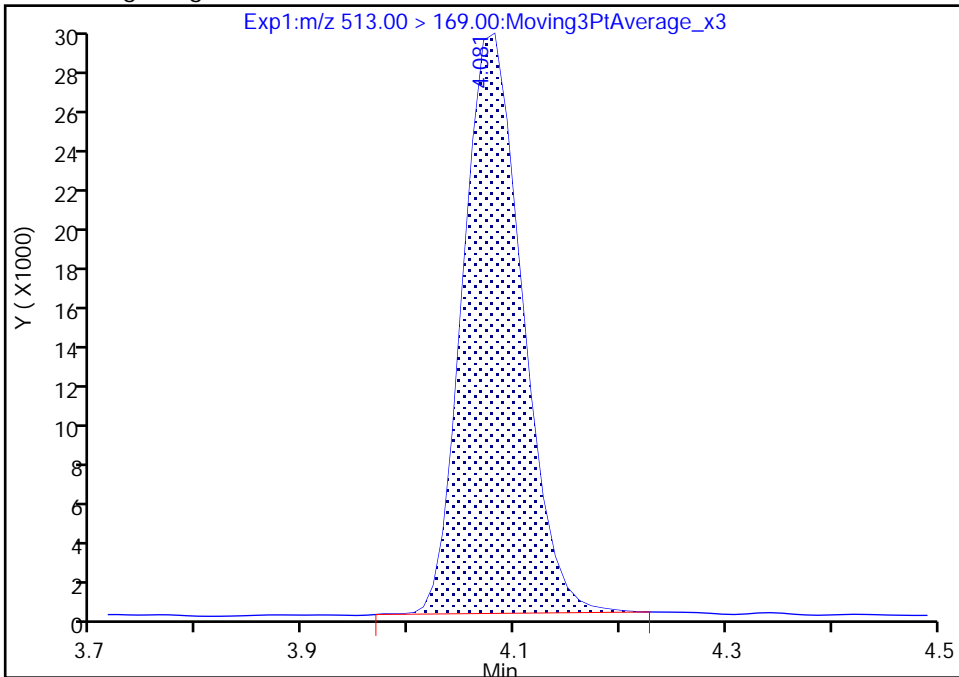
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Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

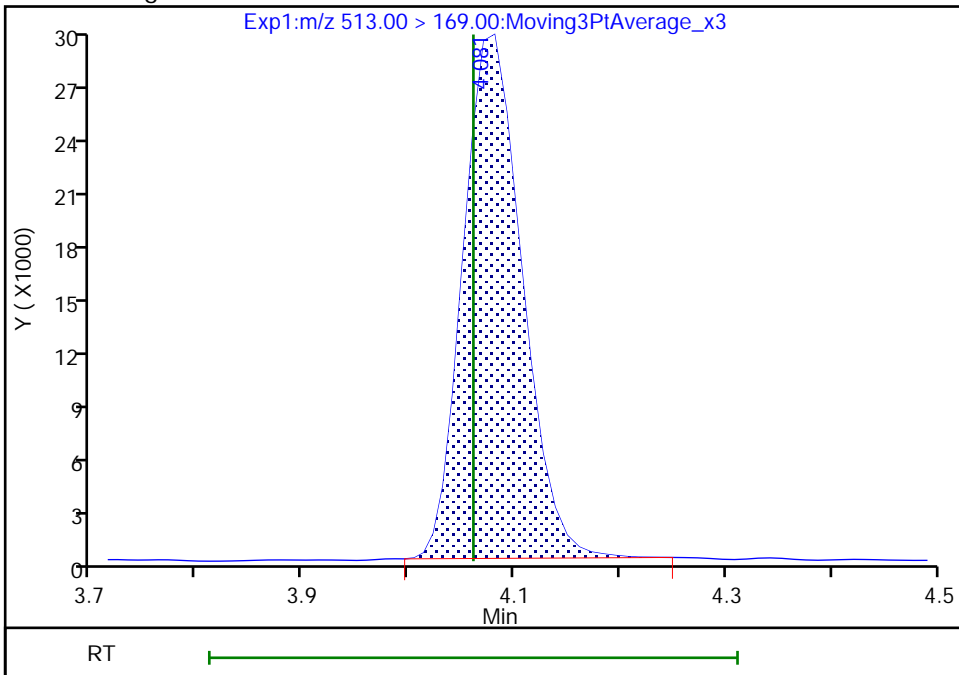
RT: 4.08
Area: 115449
Amount: 1.009662
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 115351
Amount: 1.002948
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:06:09

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

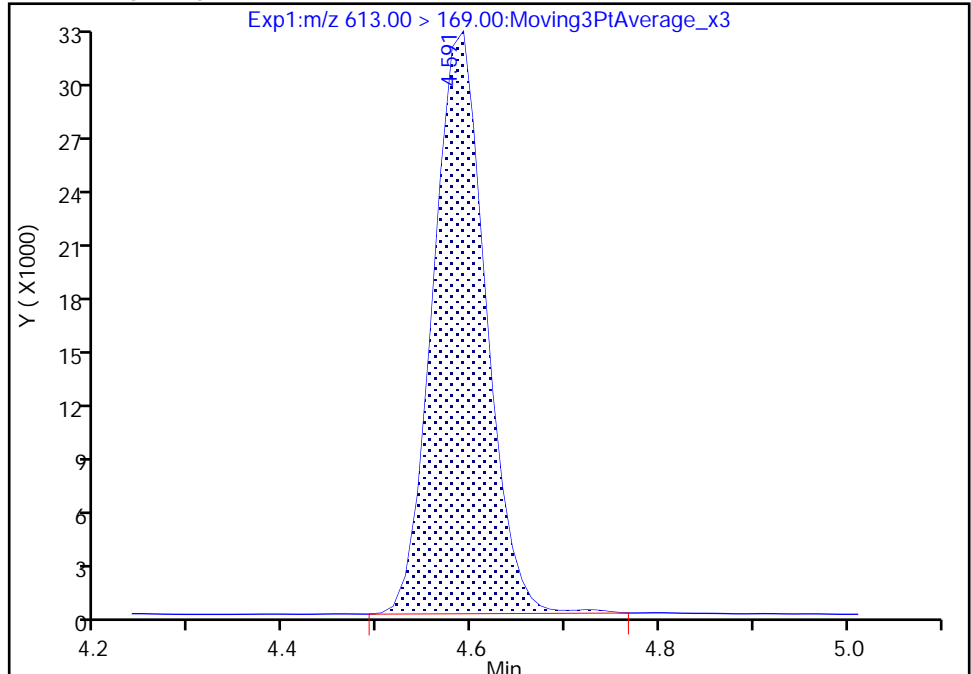
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Injection Date: 02-Sep-2022 18:12:09 Instrument ID: LC812
Lims ID: 460-264441-A-1-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

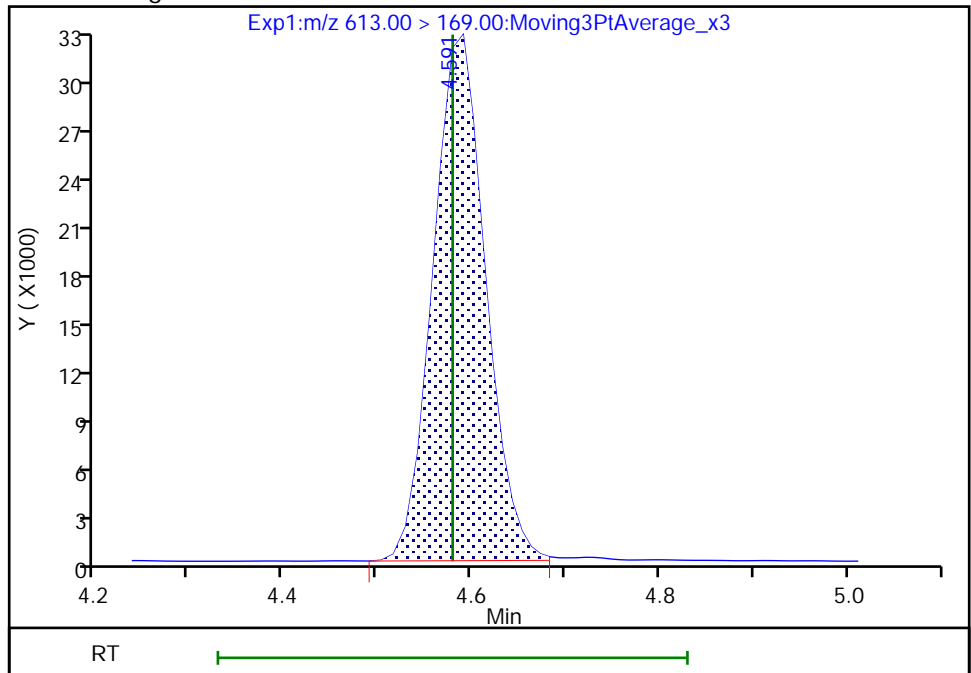
RT: 4.59
Area: 128010
Amount: 0.950805
Amount Units: ng/ml

Processing Integration Results



RT: 4.59
Area: 127357
Amount: 0.950805
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:08:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

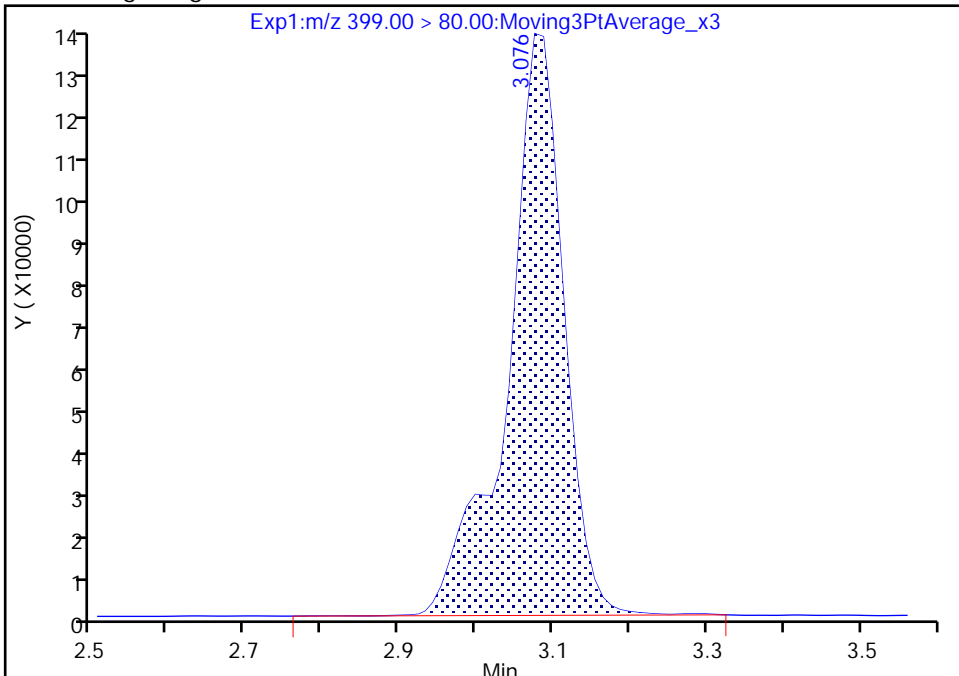
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Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

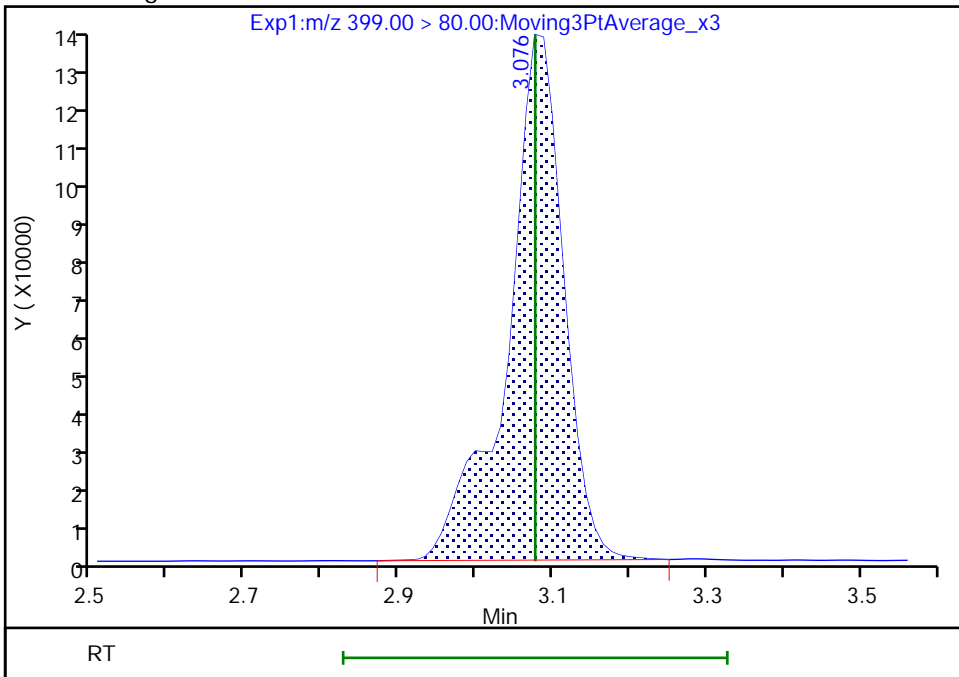
RT: 3.08
Area: 692038
Amount: 0.902269
Amount Units: ng/ml

Processing Integration Results



RT: 3.08
Area: 689449
Amount: 0.898894
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

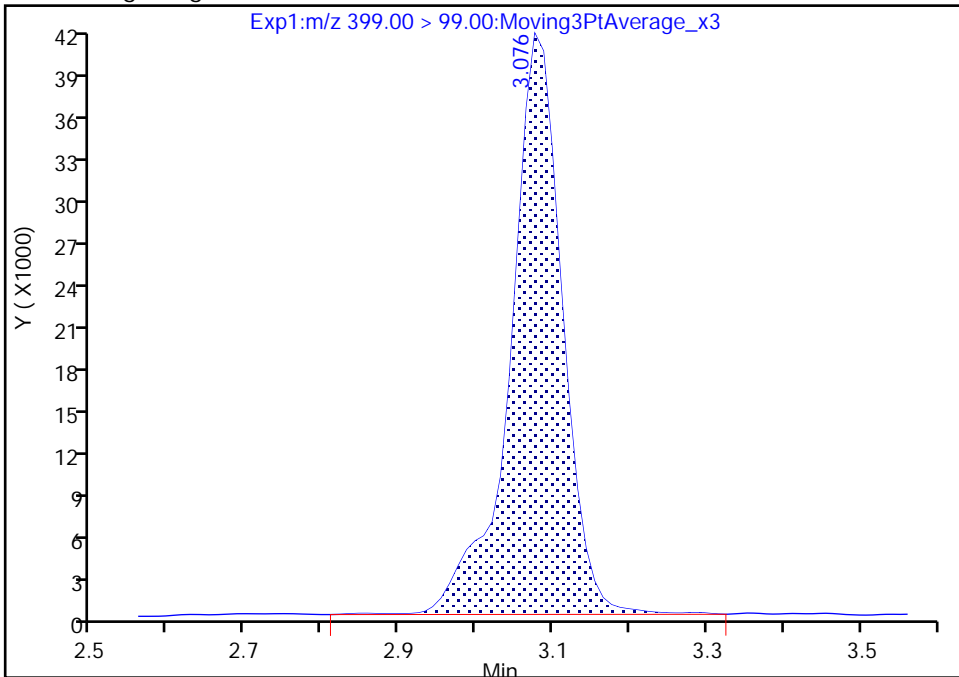
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Lims ID: 460-264441-A-1-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

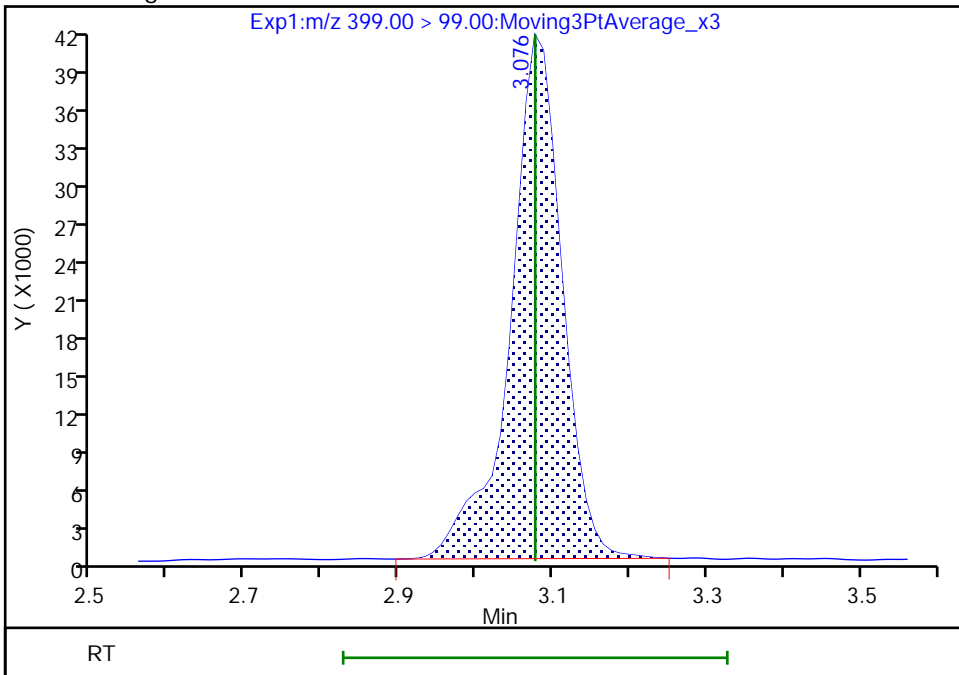
RT: 3.08
Area: 194754
Amount: 0.902269
Amount Units: ng/ml

Processing Integration Results



RT: 3.08
Area: 192827
Amount: 0.898894
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

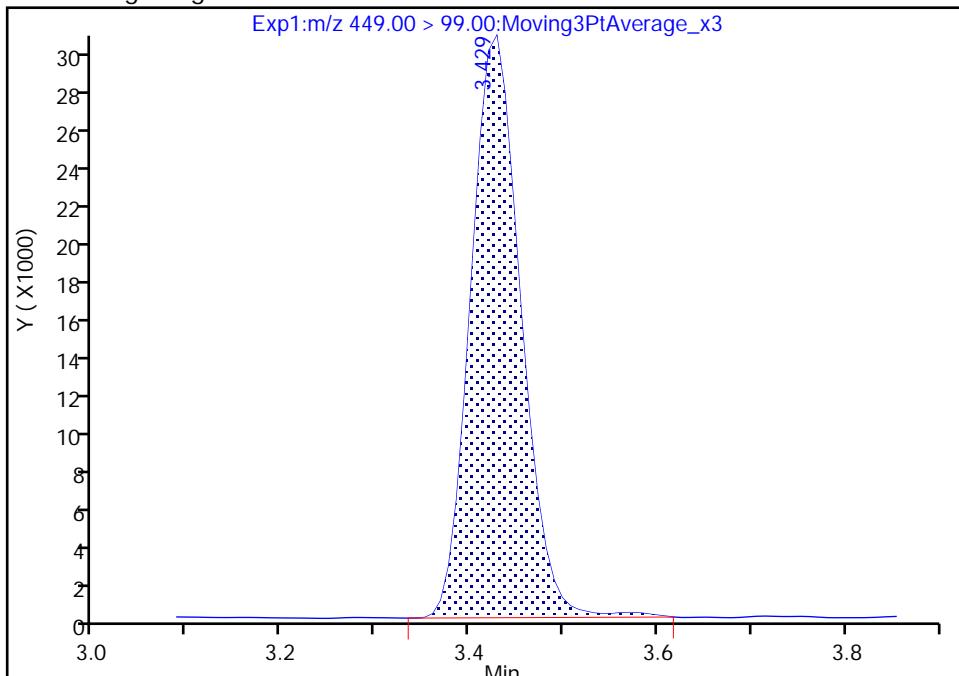
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Lims ID: 460-264441-A-1-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

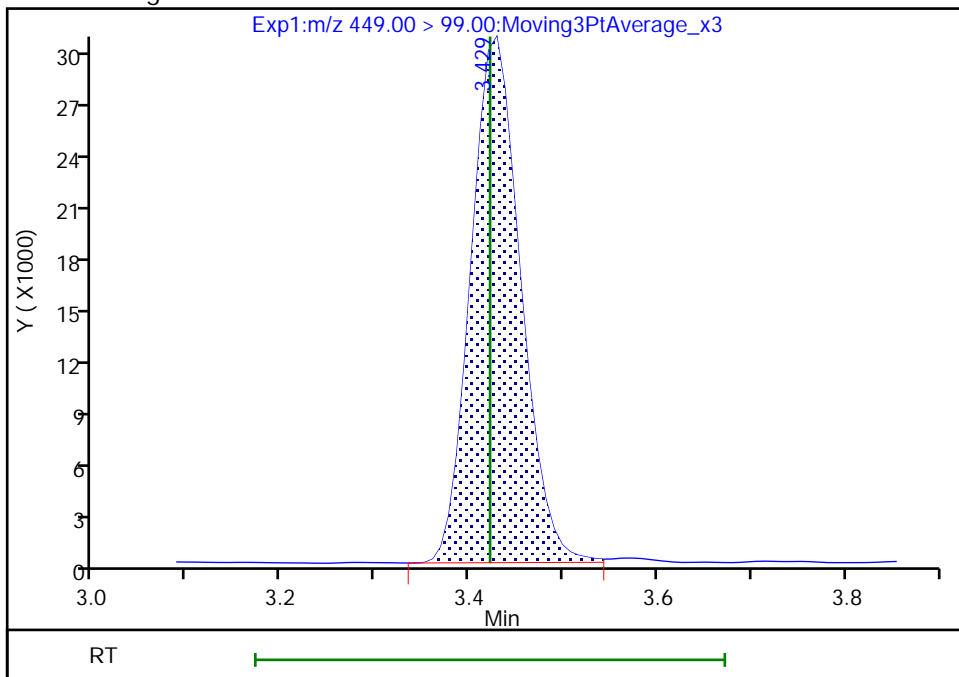
RT: 3.43
Area: 113366
Amount: 0.965871
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 112646
Amount: 0.963146
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:04:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

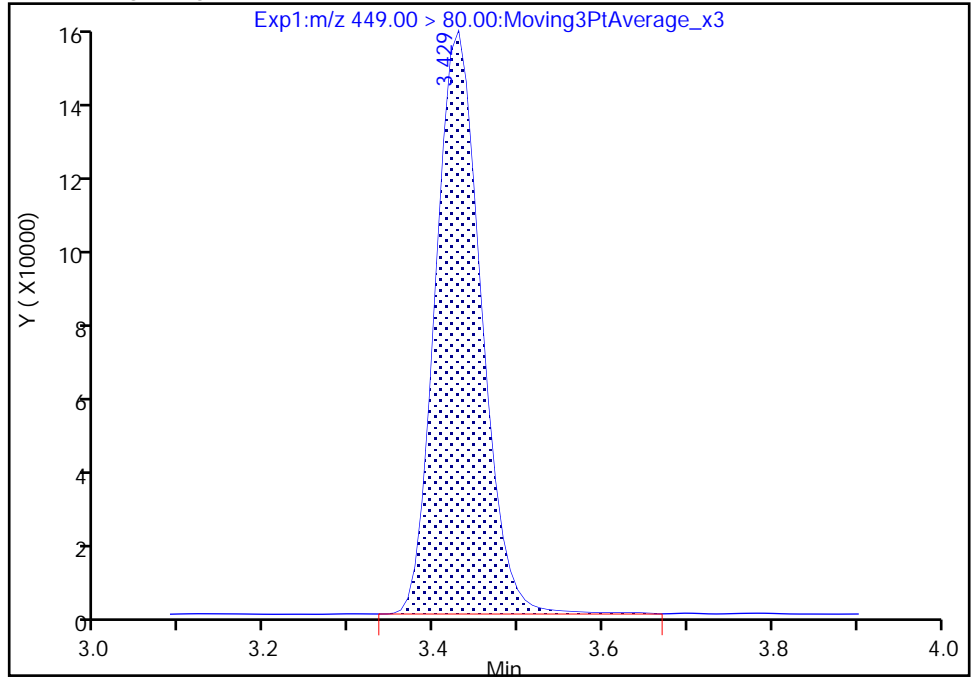
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Injection Date: 02-Sep-2022 18:12:09 Instrument ID: LC812
Lims ID: 460-264441-A-1-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

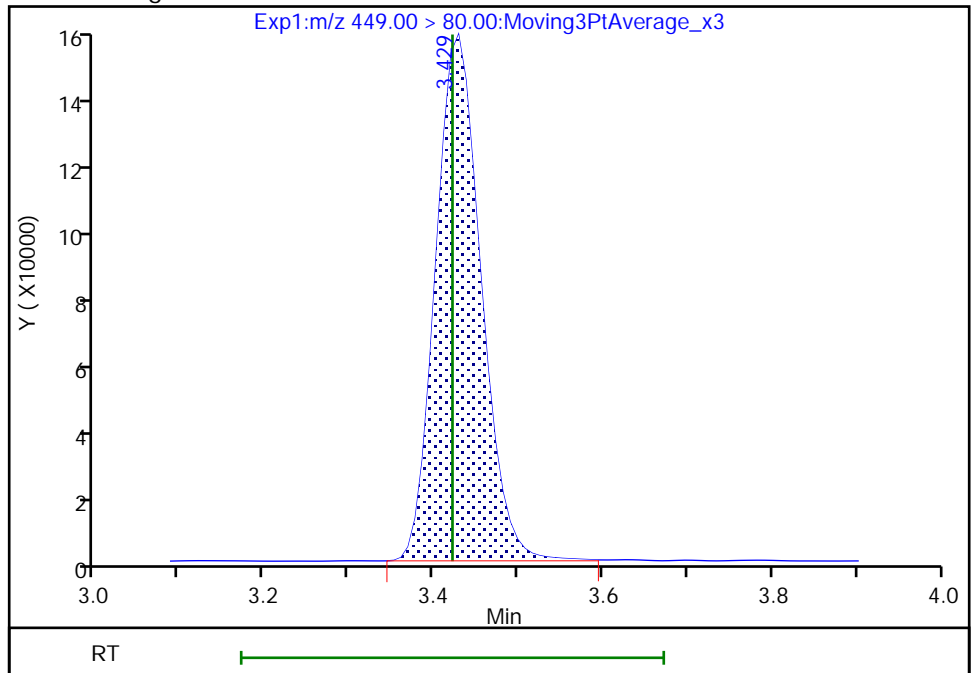
RT: 3.43
Area: 596701
Amount: 0.965871
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 595018
Amount: 0.963146
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:04:46

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

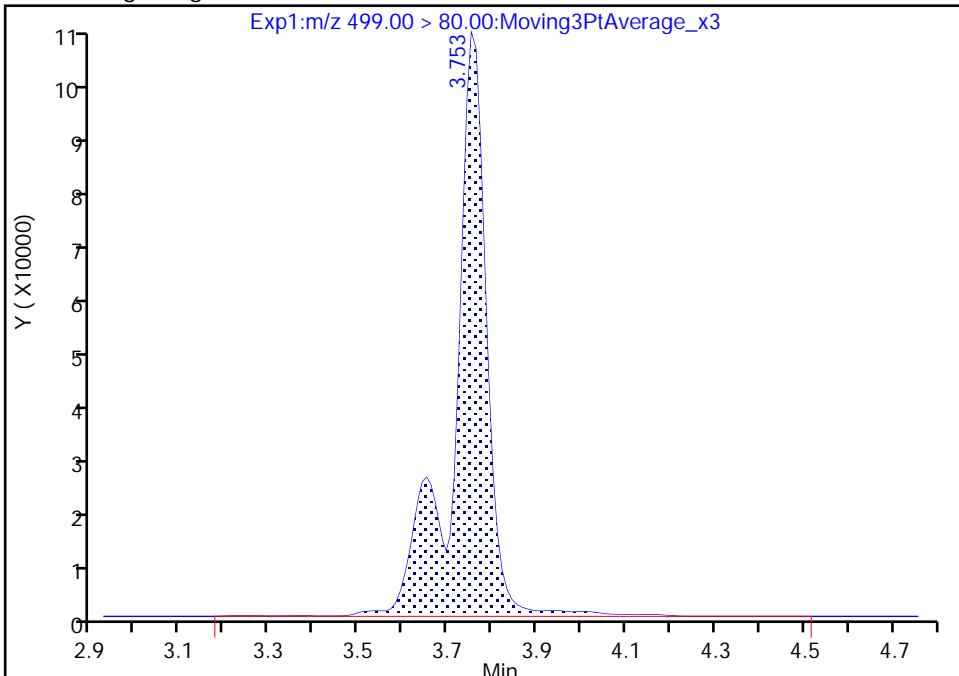
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Injection Date: 02-Sep-2022 18:12:09 Instrument ID: LC812
Lims ID: 460-264441-A-1-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

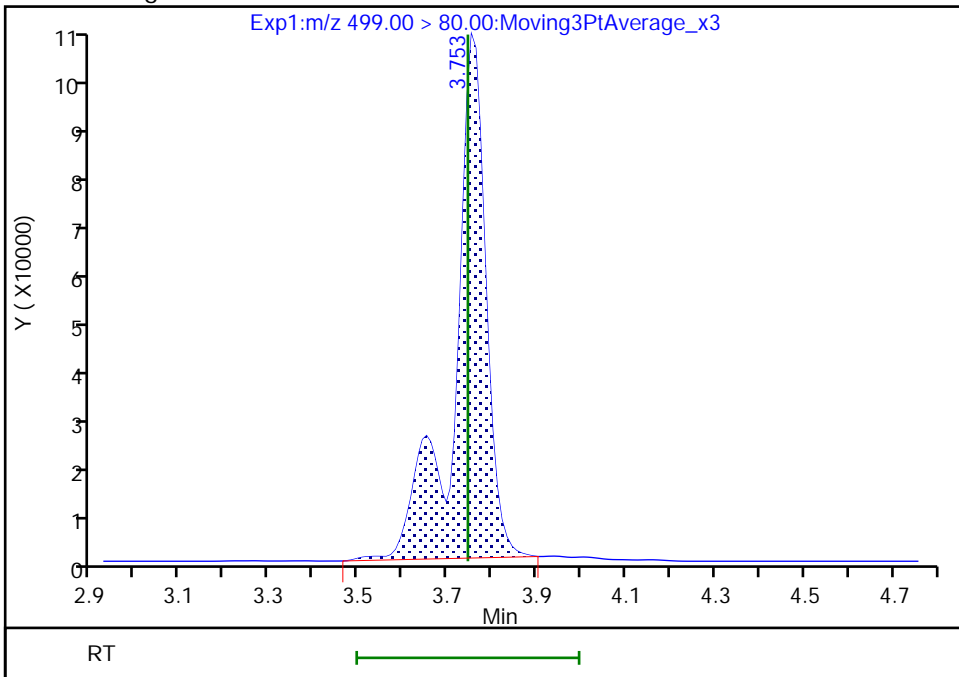
RT: 3.75
Area: 543487
Amount: 1.074412
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 519248
Amount: 1.025671
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

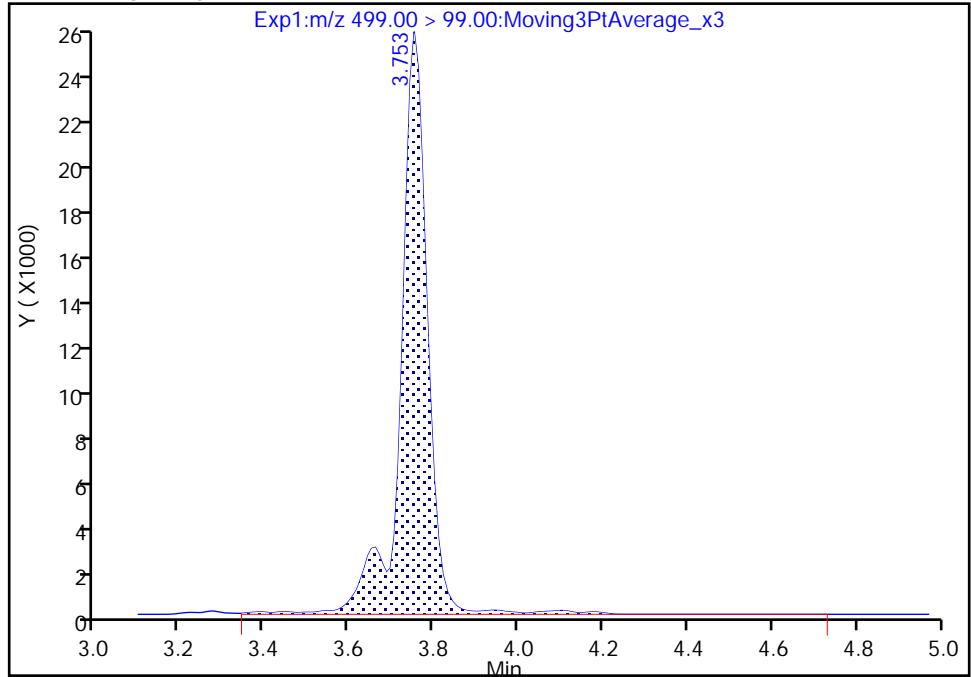
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Lims ID: 460-264441-A-1-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

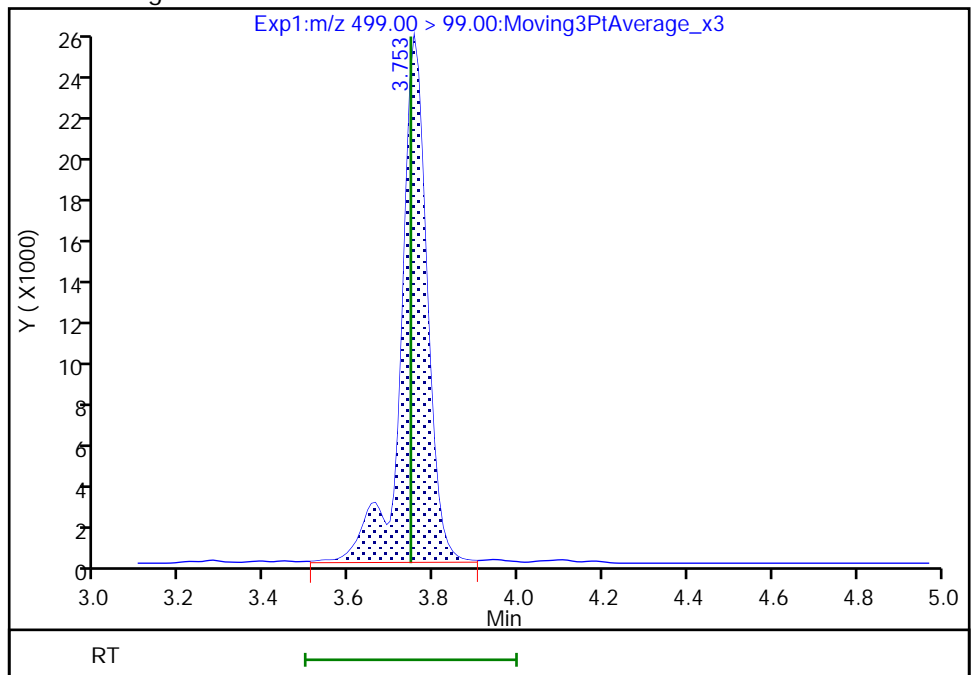
RT: 3.75
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Amount: 1.074412
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
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Amount: 1.025671
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:05:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

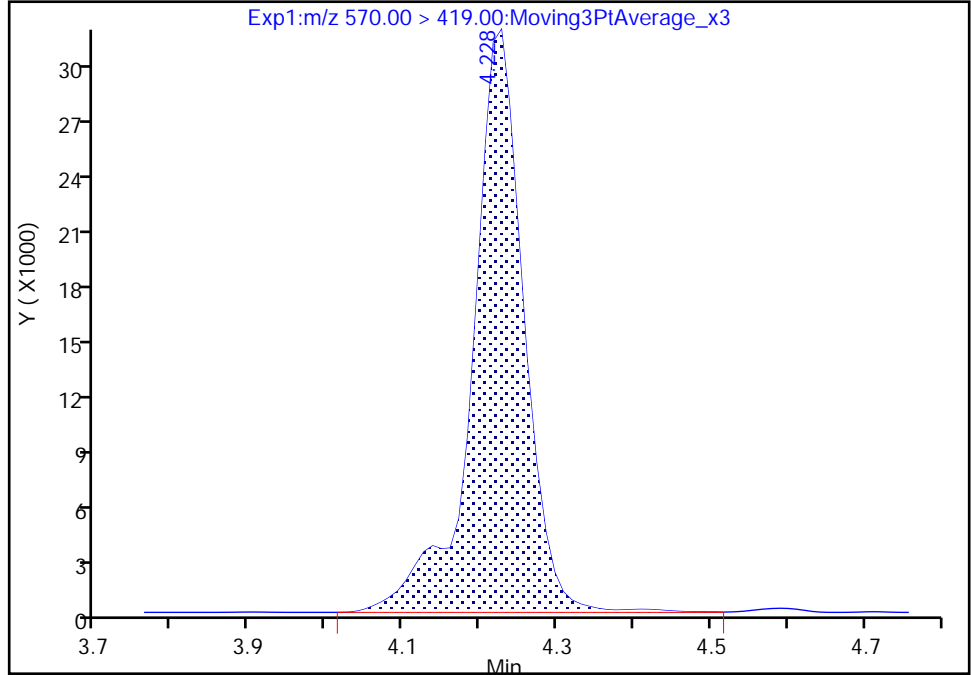
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Lims ID: 460-264441-A-1-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

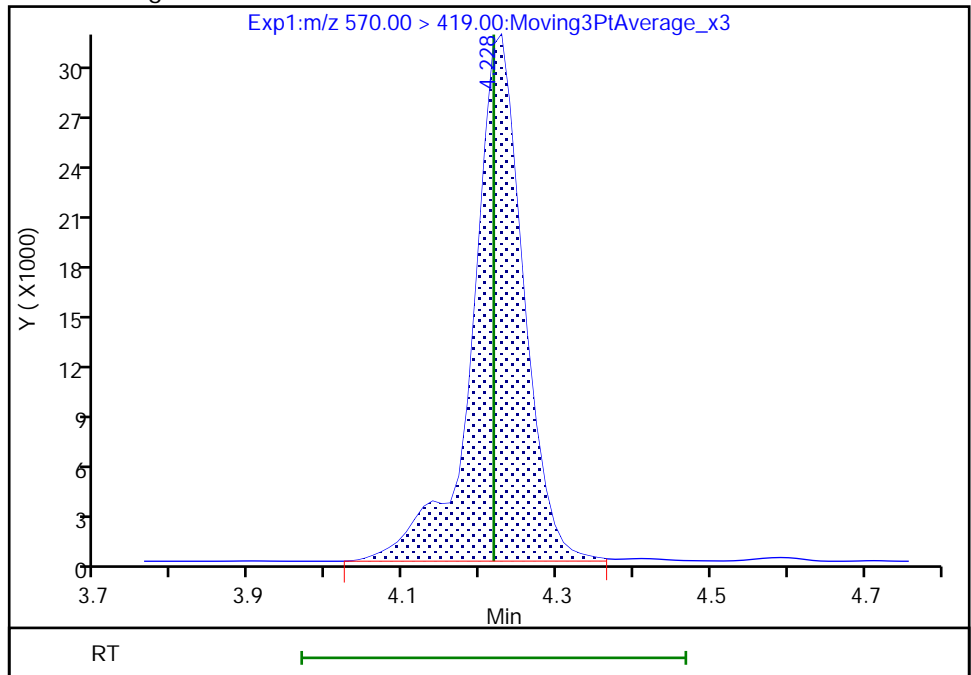
RT: 4.23
Area: 148741
Amount: 1.016090
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 147777
Amount: 1.009505
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:08:04
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

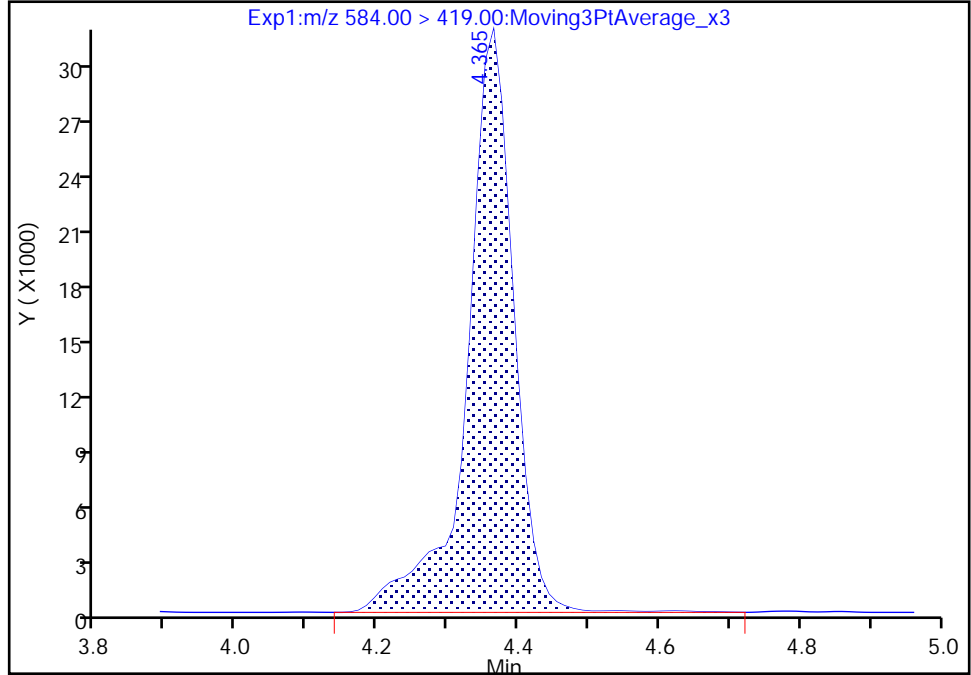
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Injection Date: 02-Sep-2022 18:12:09 Instrument ID: LC812
Lims ID: 460-264441-A-1-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

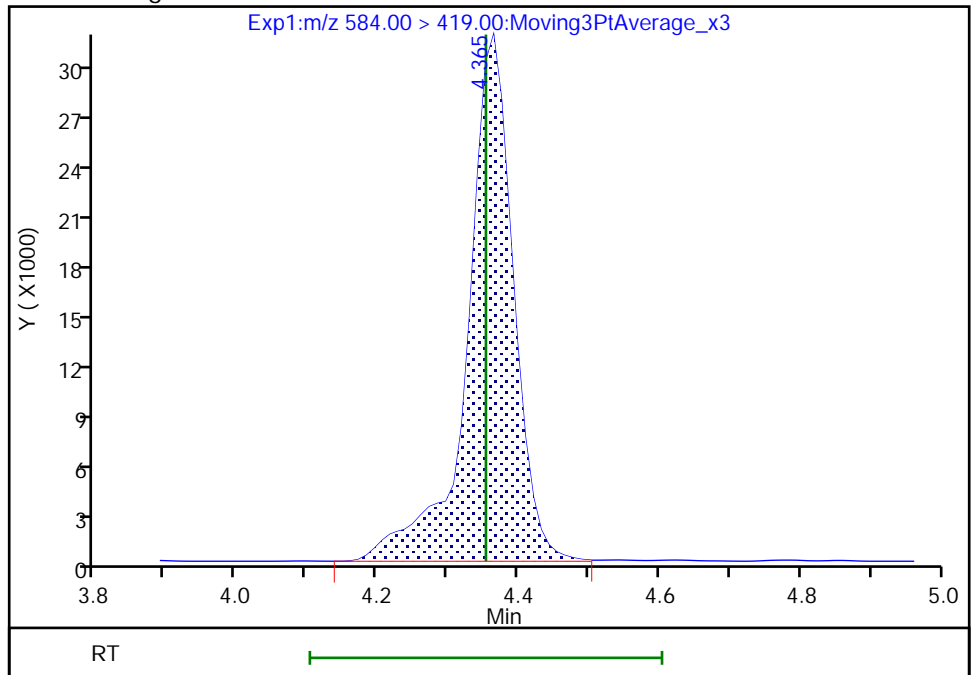
RT: 4.36
Area: 142368
Amount: 0.981342
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 141769
Amount: 0.977213
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:08:23
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

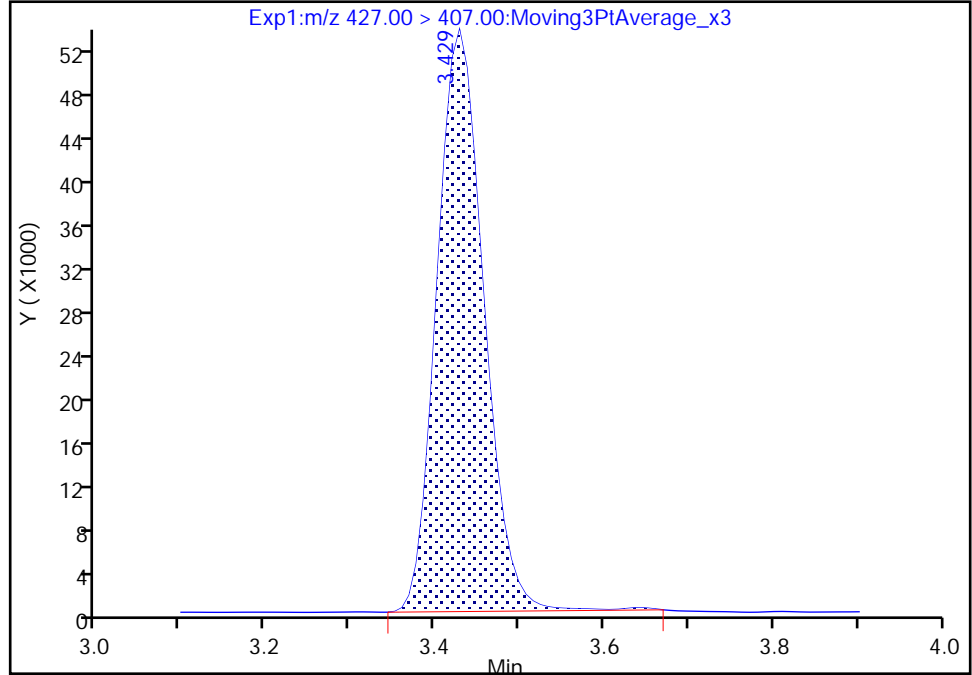
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Lims ID: 460-264441-A-1-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

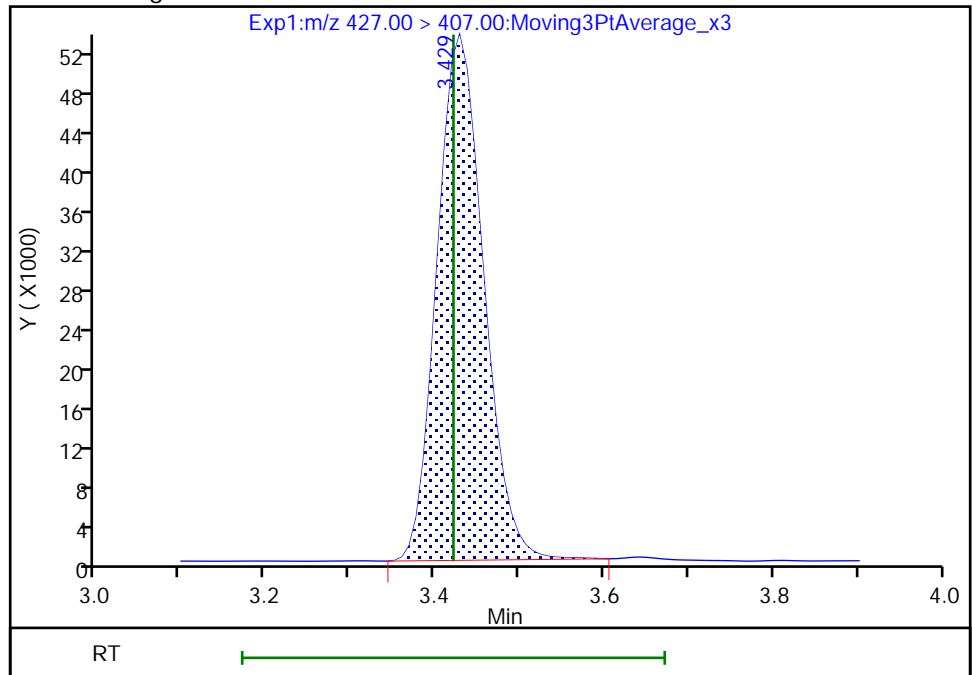
RT: 3.43
Area: 205947
Amount: 1.159285
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 204996
Amount: 1.153854
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:04:21
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

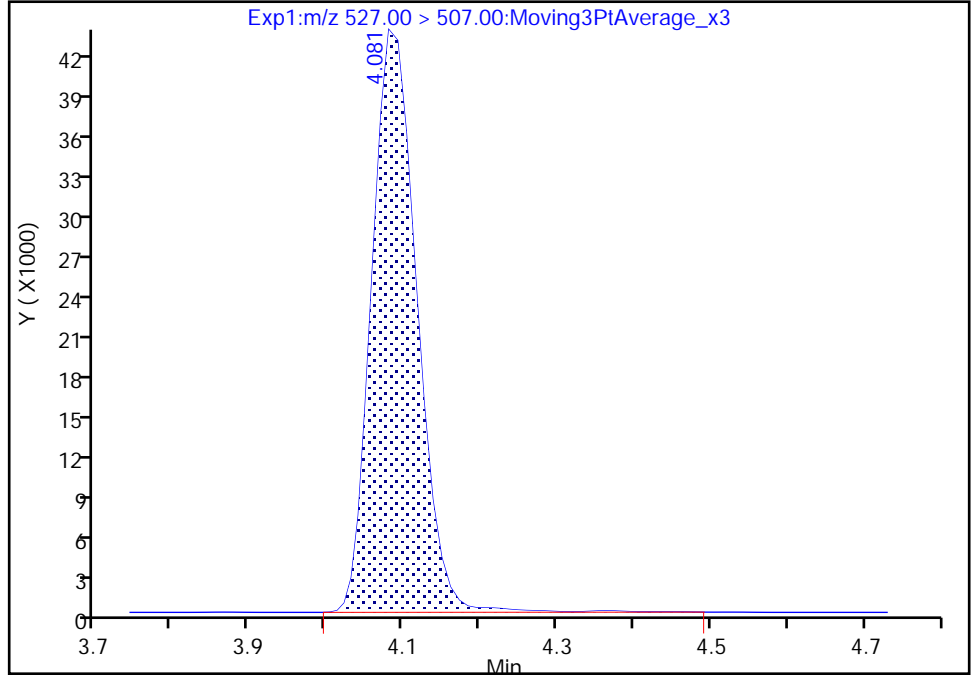
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B07.d
Injection Date: 02-Sep-2022 18:12:09 Instrument ID: LC812
Lims ID: 460-264441-A-1-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

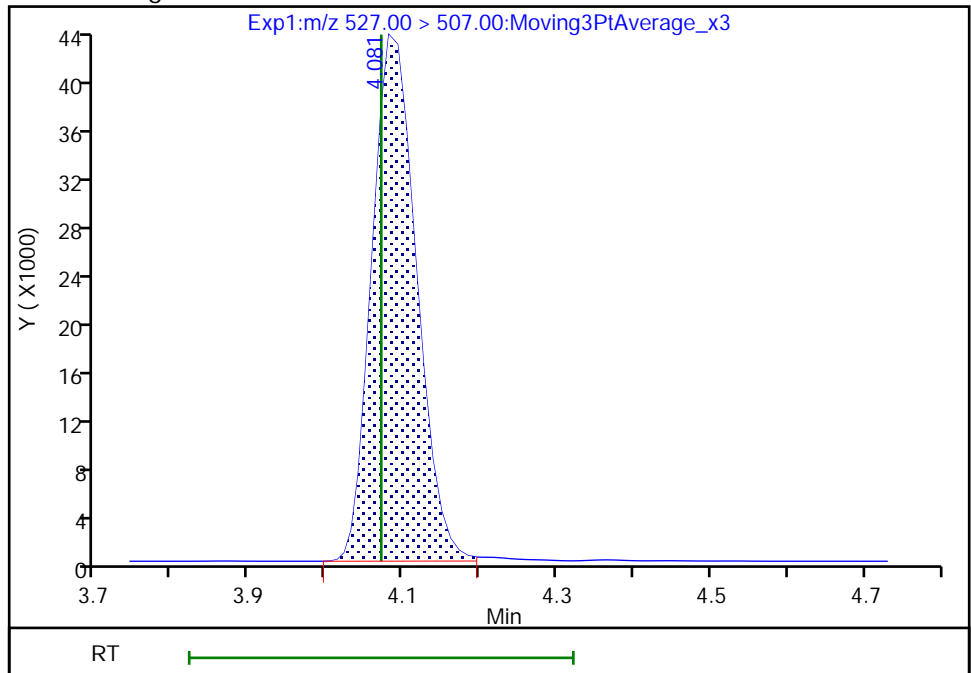
RT: 4.08
Area: 178174
Amount: 1.166438
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 176456
Amount: 1.155191
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:07:01
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

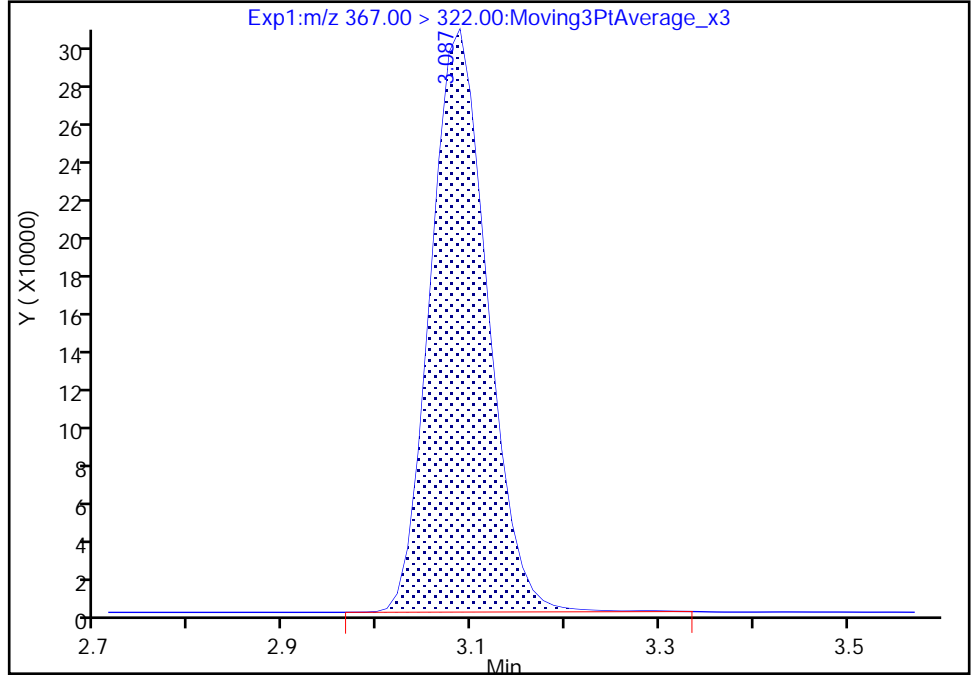
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B07.d
Injection Date: 02-Sep-2022 18:12:09 Instrument ID: LC812
Lims ID: 460-264441-A-1-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 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

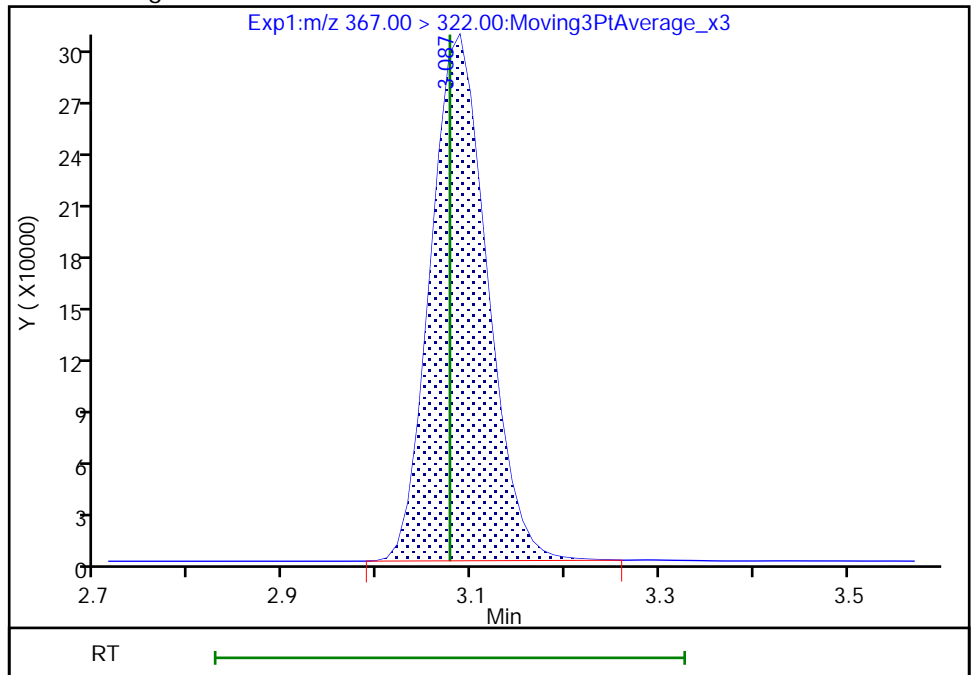
RT: 3.09
Area: 1261431
Amount: 1.170374
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 1258162
Amount: 1.167341
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:02:30
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

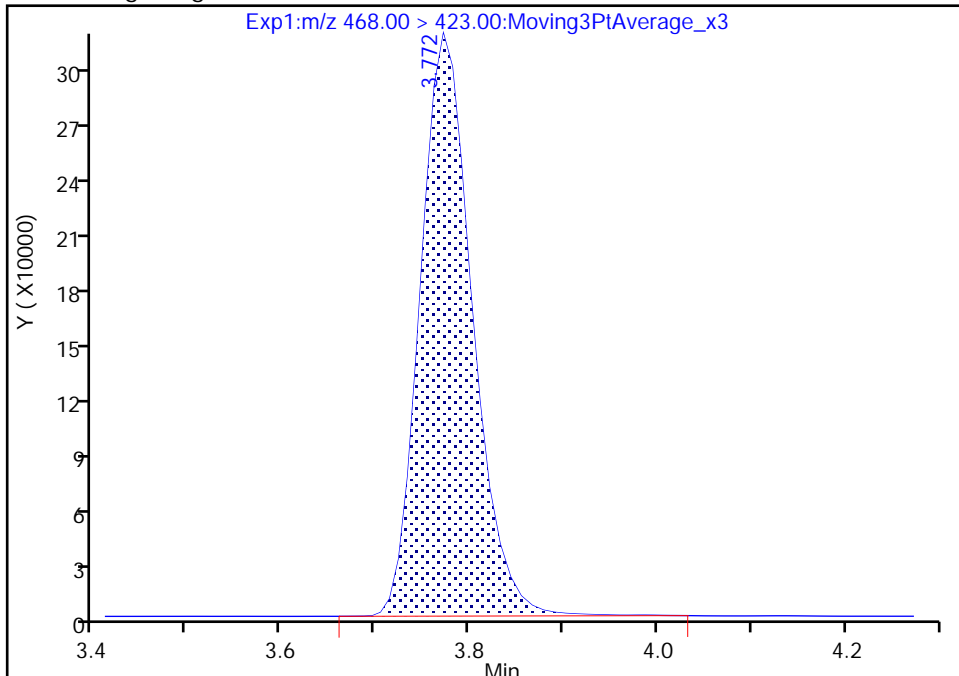
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B07.d
Injection Date: 02-Sep-2022 18:12:09 Instrument ID: LC812
Lims ID: 460-264441-A-1-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

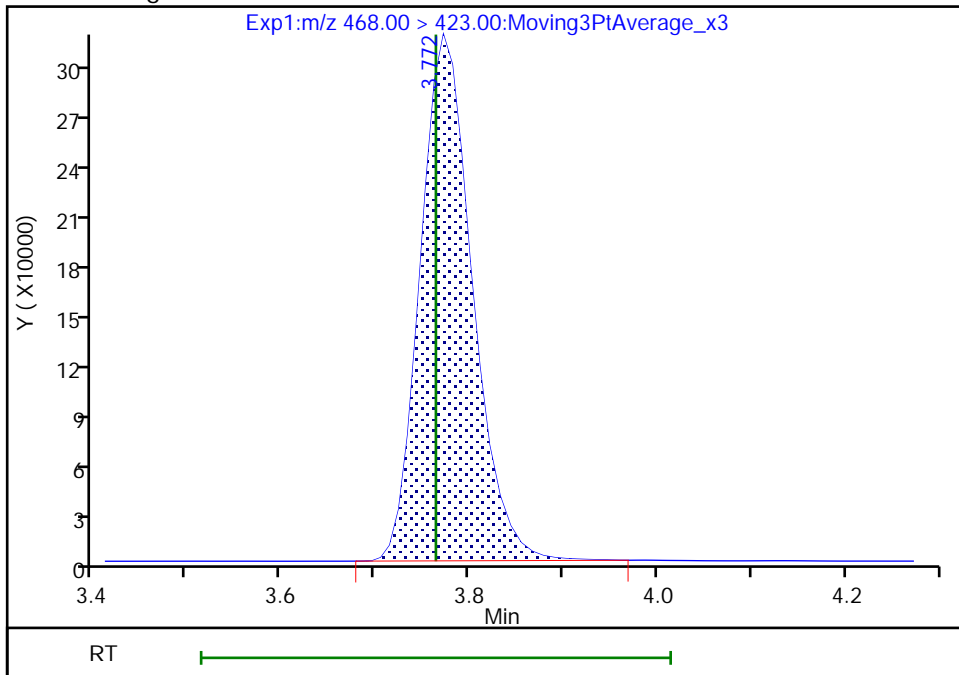
RT: 3.77
Area: 1229685
Amount: 1.072491
Amount Units: ng/ml

Processing Integration Results



RT: 3.77
Area: 1226570
Amount: 1.069774
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:02:40
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

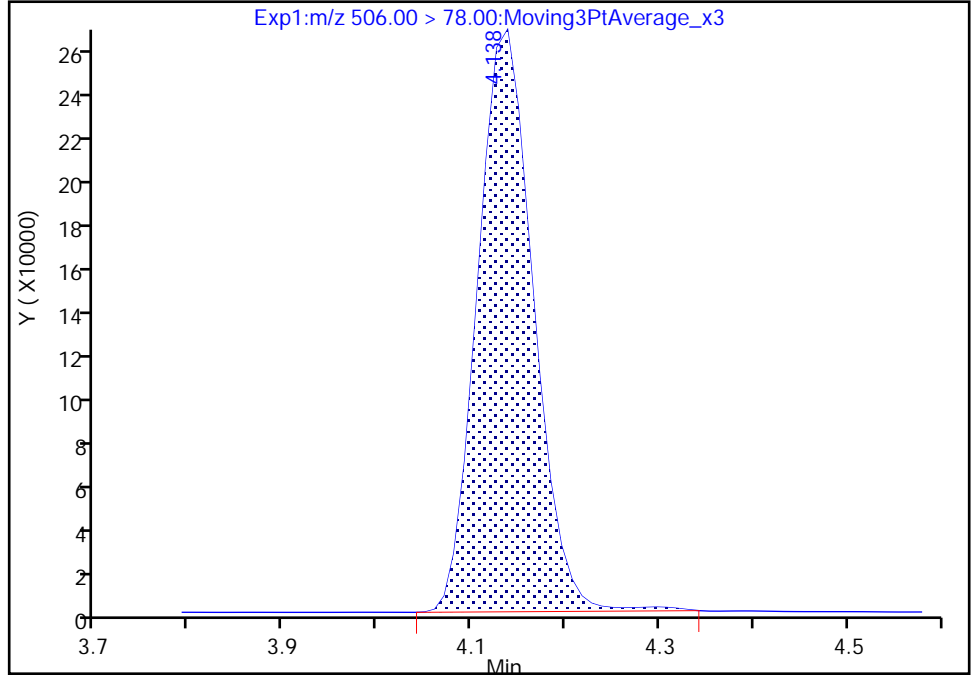
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B07.d
Injection Date: 02-Sep-2022 18:12:09 Instrument ID: LC812
Lims ID: 460-264441-A-1-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

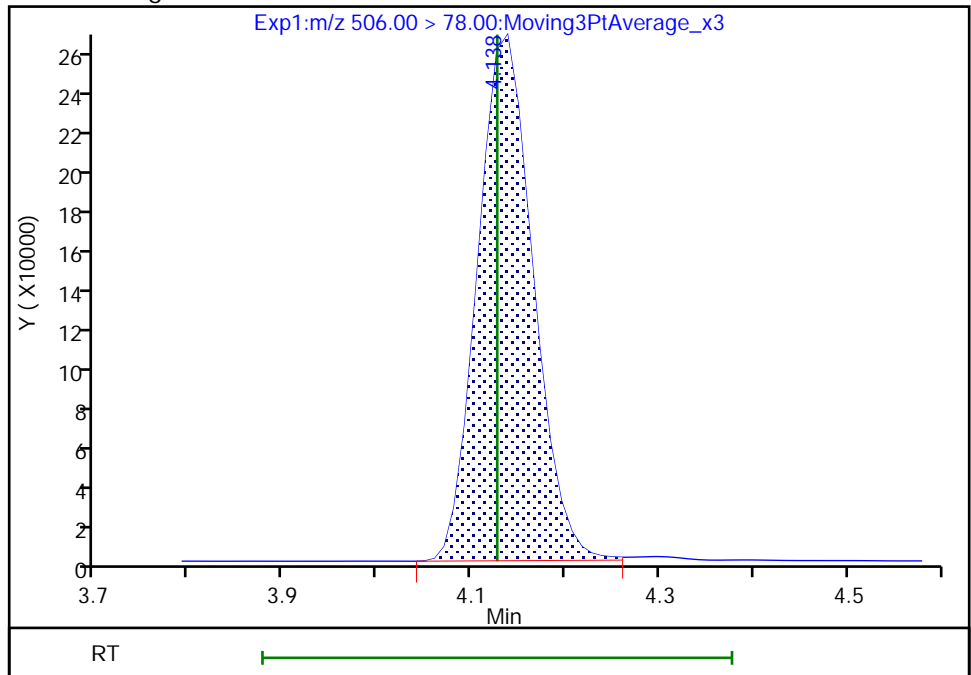
RT: 4.14
Area: 1103855
Amount: 1.130251
Amount Units: ng/ml

Processing Integration Results



RT: 4.14
Area: 1097812
Amount: 1.124063
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:02:48
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

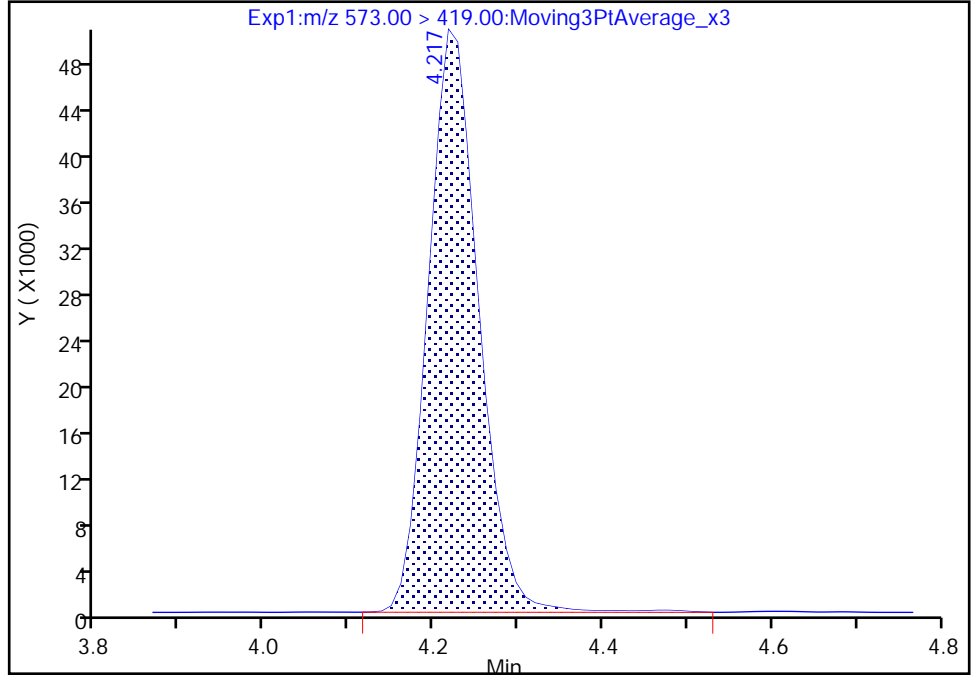
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B07.d
Injection Date: 02-Sep-2022 18:12:09 Instrument ID: LC812
Lims ID: 460-264441-A-1-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

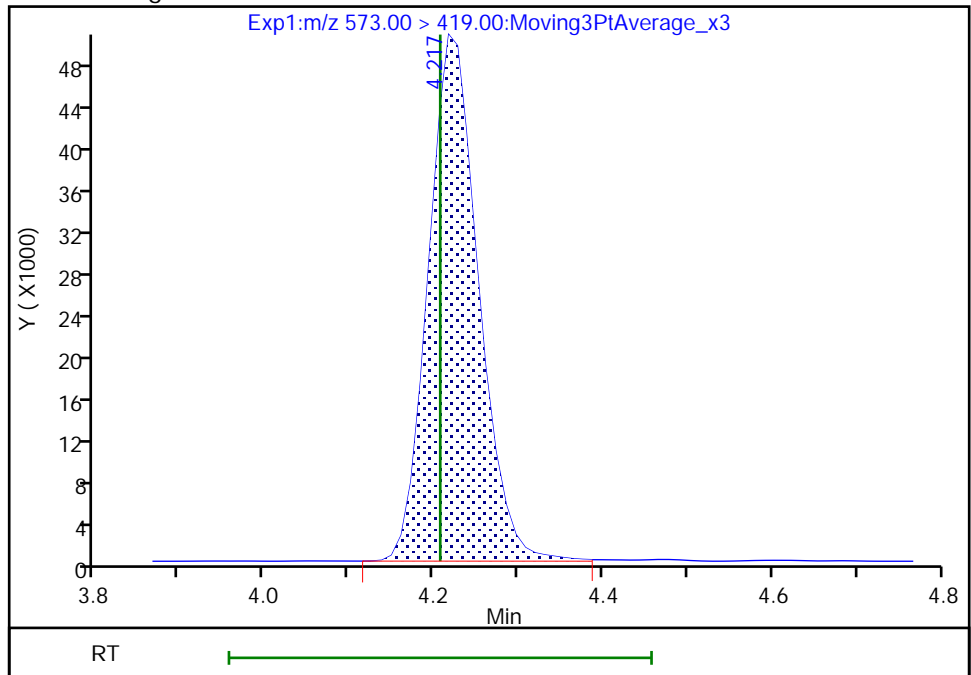
RT: 4.22
Area: 206982
Amount: 1.383910
Amount Units: ng/ml

Processing Integration Results



RT: 4.22
Area: 206035
Amount: 1.377578
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:02:53
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-264366-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: 460-264441-A-1-C MSD
 Matrix: Solid Lab File ID: PA220902B08.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: SHAKE Date Extracted: 09/01/2022 07:48
 Sample wt/vol: 5.07(g) Date Analyzed: 09/02/2022 18:20
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: 3.8 % Solids: 96.2 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 183258 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	2.351		0.51	0.34
2706-90-3	Perfluoropentanoic acid (PFPeA)	2.978		0.20	0.056
307-24-4	Perfluorohexanoic acid (PFHxA)	2.321		0.20	0.047
375-85-9	Perfluoroheptanoic acid (PFHpA)	2.521		0.20	0.040
335-67-1	Perfluorooctanoic acid (PFOA)	2.354		0.20	0.059
375-95-1	Perfluorononanoic acid (PFNA)	2.170		0.20	0.035
335-76-2	Perfluorodecanoic acid (PFDA)	2.201		0.20	0.029
2058-94-8	Perfluoroundecanoic acid (PFUnA)	2.122		0.20	0.028
307-55-1	Perfluorododecanoic acid (PFDoA)	2.112		0.20	0.026
72629-94-8	Perfluorotridecanoic acid (PFTriA)	2.311		0.20	0.026
376-06-7	Perfluorotetradecanoic acid (PFTeA)	1.801		0.20	0.027
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.804		0.20	0.034
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.841		0.20	0.042
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	1.933		0.20	0.024
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	2.085		0.20	0.11
335-77-3	Perfluorodecanesulfonic acid (PFDS)	2.121		0.20	0.019
754-91-6	Perfluorooctanesulfonamide (FOSA)	2.034		0.20	0.035
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.054		2.05	0.11
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.966	J	2.05	0.085
27619-97-2	6:2 FTS	2.320		2.05	0.058
39108-34-4	8:2 FTS	2.418		2.05	0.038

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-264366-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: 460-264441-A-1-C MSD
 Matrix: Solid Lab File ID: PA220902B08.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: SHAKE Date Extracted: 09/01/2022 07:48
 Sample wt/vol: 5.07(g) Date Analyzed: 09/02/2022 18:20
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)
 % Moisture: 3.8 % Solids: 96.2 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 183258 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	82		50-150
STL01892	13C4 PFHpA	89		50-150
STL00990	13C4 PFOA	90		50-150
STL00991	13C4 PFOS	80		50-150
STL00995	13C5 PFNA	87		50-150
STL00992	13C4 PFBA	89		50-150
STL00993	13C2 PFHxA	94		50-150
STL00996	13C2 PFDA	87		50-150
STL00997	13C2 PFUnA	99		50-150
STL00998	13C2 PFDoA	95		50-150
STL01056	13C8 FOSA	87		50-150
STL01893	13C5 PFPeA	94		50-150
STL02116	13C2 PFTeDA	103		50-150
STL02118	d3-NMeFOSAA	103		50-150
STL02117	d5-NEtFOSAA	117		50-150
STL02279	M2-6:2 FTS	85		50-150
STL02280	M2-8:2 FTS	95		50-150
STL02337	13C3 PFBS	79		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B08.d
 Lims ID: 460-264441-A-1-C MSD
 Client ID:
 Sample Type: MSD
 Inject. Date: 02-Sep-2022 18:20:20 ALS Bottle#: 8 Worklist Smp#: 8
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 460-264441-A-1-C MSD
 Misc. Info.: 200-0052318-008 Plate: 1 Rack: 2
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 06-Sep-2022 13:25:25 Calib Date: 03-Aug-2022 13:41:11
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1638

First Level Reviewer: nampitakw Date: 05-Sep-2022 10:14:25
 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	2.068	2.068	0.0	0.601	1840888	1.12	89.5	8129	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.068	2.068	0.0	1.000	1638134	1.15		115	168	M
D 3 13C5 PFPeA	267.90 > 223.00	2.373	2.374	-0.001	0.690	1493777	1.18	94.4	2864	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.373	2.374	-0.001	1.000	1789864	1.45		145	44.0	M
D 47 13C3 PFBS	301.90 > 80.00	2.387	2.387	0.0	0.694	1347160	0.9196	79.1	136847	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.387	2.387	0.0	1.000	1125869	0.8801	Target=2.23	99.6	718	M
298.90 > 99.00	2.387	2.387	0.0	1.000	515343		2.18(1.11-3.34)		164	M
61 1H,1H,2H,2H-perfluorohexanesulfo	327.00 > 307.00	2.677	2.677	0.0	1.000	261308	0.9767	105	139	
D 60 M2-4:2 FTS	329.00 > 81.00	2.677	2.677	0.0	0.778	131418	1.04	89.2	72.7	M
D 7 13C2 PFHxA	315.00 > 270.00	2.713	2.713	0.0	0.789	1480497	1.17	93.7	3205	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.713	2.713	0.0	1.000	1399822	1.13	Target=12.24	113	125	M
313.00 > 119.00	2.713	2.713	0.0	1.000	107695		13.00(6.12-18.36)		134	M
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.725	2.713	0.012	0.886	996708	0.9153	Target=2.95	97.6	729	M
349.00 > 99.00	2.725	2.713	0.012	0.886	321831		3.10(1.48-4.43)		365	M
D 64 13C3 HFPO-DA	287.00 > 169.00	2.823	2.823	0.0	0.821	255196	1.07	85.8	1640	

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	2.823	2.823	0.0	1.000	207996	0.9481		94.8	1543	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.077	3.077	0.0	1.000	831949	0.8982	Target=3.43	98.7	709	M
399.00 > 99.00	3.077	3.077	0.0	1.000	230866		3.60(1.72-5.15)		247	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.077	3.077	0.0	0.895	993067	0.9638		81.5	2881	
D 9 13C4 PFHpA										
367.00 > 322.00	3.088	3.077	0.011	0.898	1453673	1.11		88.7	2229	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.088	3.077	0.011	1.000	1474253	1.23	Target=3.73	123	258	M
363.00 > 169.00	3.088	3.077	0.011	1.000	384789		3.83(1.86-5.59)		572	M
77 DONA										
377.00 > 251.00	3.121	3.110	0.011	0.831	2765774	1.09	Target=2.84	115	2712	
377.00 > 85.00	3.121	3.110	0.011	0.831	989433		2.80(1.42-4.26)		1079	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.430	3.422	0.008	0.997	173145	1.00		84.5	253	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.430	3.422	0.008	1.000	244050	1.13		119	569	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.430	3.422	0.008	0.914	721280	0.9431	Target=4.89	99.1	1012	M
449.00 > 99.00	3.430	3.422	0.008	0.914	139450		5.17(2.44-7.33)		412	M
D 14 13C4 PFOA										
417.00 > 372.00	3.439	3.430	0.009	1.000	1515763	1.13		90.3	4509	
* 62 13C2 PFOA										
415.00 > 370.00	3.439	3.430	0.009		1763112	1.25			2640	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.439	3.430	0.009	1.000	1561924	1.15	Target=2.67	115	97.5	M
413.00 > 169.00	3.439	3.430	0.009	1.000	561192		2.78(1.34-4.01)		871	M
D 18 13C4 PFOS										M
503.00 > 80.00	3.754	3.745	0.009	1.092	739395	0.9610		80.4	1226	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.754	3.745	0.009	1.000	637659	1.02	Target=4.88	110	399	M
499.00 > 99.00	3.754	3.745	0.009	1.000	142534		4.47(2.44-7.32)		344	M
D 19 13C5 PFNA										
468.00 > 423.00	3.773	3.764	0.009	1.097	1509066	1.08		86.6	2903	
20 Perfluorononanoic acid										
463.00 > 419.00	3.773	3.764	0.009	1.000	1300799	1.06	Target=8.23	106	225	
463.00 > 169.00	3.773	3.764	0.009	1.000	175137		7.43(4.11-12.34)		925	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.928	3.916	0.012	1.046	1163853	1.06		114	3169	
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.051	4.042	0.009	1.079	475139	0.9808	Target=2.53	102	1066	M
549.00 > 99.00	4.051	4.042	0.009	1.079	185580		2.56(1.26-3.79)		705	
D 23 13C2 PFDA										M
515.00 > 470.00	4.081	4.061	0.020	1.187	1473183	1.09		86.8	2938	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	4.061	0.020	1.000	1331167	1.07	Target=9.67	107	259	
513.00 > 169.00	4.081	4.061	0.020	1.000	132688		10.03(4.83-14.50)		351	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.081	4.071	0.010	1.187	235805	1.14		94.9	364	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.081	4.071	0.010	1.000	224348	1.18		123	1354	M
D 21 13C8 FOSA										
506.00 > 78.00	4.139	4.127	0.012	1.203	1298092	1.09		87.4	575	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.139	4.127	0.012	1.000	1050397	0.99		99.3	2043	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.218	4.207	0.011	1.226	234812	1.29		103	895	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.228	4.218	0.010	1.002	167202	1.00		100	626	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.320	4.308	0.012	1.151	373155	1.04	Target=2.80	107	773	
599.00 > 99.00	4.320	4.308	0.012	1.151	140251		2.66(1.40-4.20)		882	
D 30 13C2 PFUnA										
565.00 > 520.00	4.353	4.342	0.011	1.266	1273296	1.24		99.0	3047	
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.353	4.342	0.011	1.000	1117582	1.04	Target=9.07	104	428	
563.00 > 169.00	4.353	4.342	0.011	1.000	108361		10.31(4.54-13.61)		613	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.353	4.342	0.011	1.266	252294	1.46		117	762	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.365	4.354	0.011	1.003	175800	0.9593		95.9	1102	M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.443	4.432	0.011	1.183	1599174	1.12		119	2524	
D 36 13C2 PFDaA										M
615.00 > 570.00	4.591	4.580	0.011	1.335	1260818	1.18		94.6	2869	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.591	4.580	0.011	1.000	1053914	1.03	Target=6.97	103	148	M
613.00 > 169.00	4.591	4.580	0.011	1.000	140863		7.48(3.48-10.45)		1334	
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.601	4.602	-0.001	1.127	114237	1.29		133	605	M
75 Perfluorododecanesulfonic acid (M
699.00 > 80.00	4.767	4.758	0.009	1.270	140123	0.8754	Target=0.52	90.4	895	M
699.00 > 99.00	4.767	4.758	0.009	1.270	274428		0.51(0.26-0.79)		1637	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.803	4.785	0.018	1.046	999754	1.13	Target=4.56	113	174	M
663.00 > 169.00	4.803	4.785	0.018	1.046	195187		5.12(2.28-6.84)		895	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.002	4.992	0.010	1.454	1116584	1.28		103	3282	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.002	4.992	0.010	1.000	125748	0.8787	Target=0.94	87.9	871	
713.00 > 219.00	5.002	4.992	0.010	1.000	123825		1.02(0.47-1.41)		930	

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	5.344	0.022	1.560	707184	0.7125		57.0	2674	
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.366	5.344	0.022	1.000	543726	1.05	Target=4.38	105	117	
813.00 > 169.00	5.366	5.344	0.022	1.000	107875		5.04(2.19-6.57)		982	M
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.713	5.695	0.018	1.065	214795	0.5710	Target=4.31	57.1	93.1	M
913.00 > 169.00	5.713	5.695	0.018	1.065	41521		5.17(2.16-6.47)		372	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B08.d

Injection Date: 02-Sep-2022 18:20:20

Instrument ID: LC812

Lims ID: 460-264441-A-1-C MSD

Client ID:

Operator ID: lc812tech

ALS Bottle#: 8

Worklist Smp#: 8

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

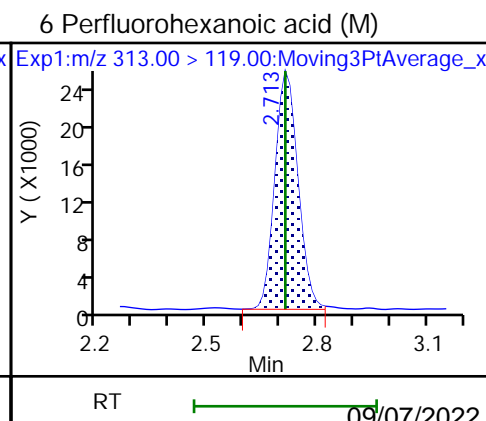
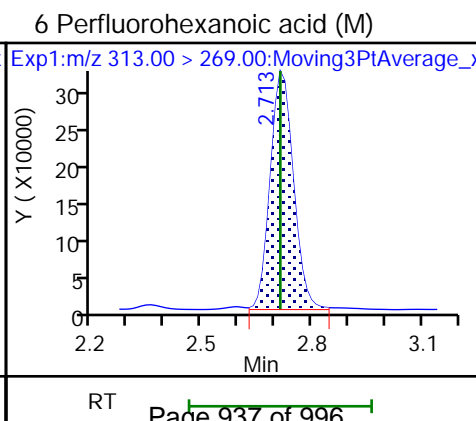
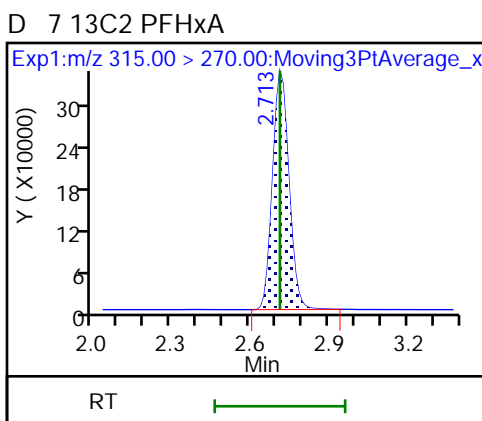
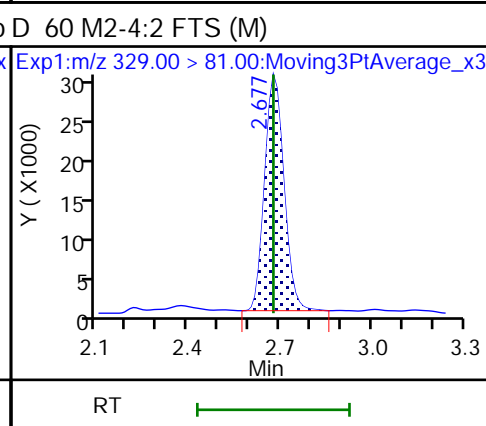
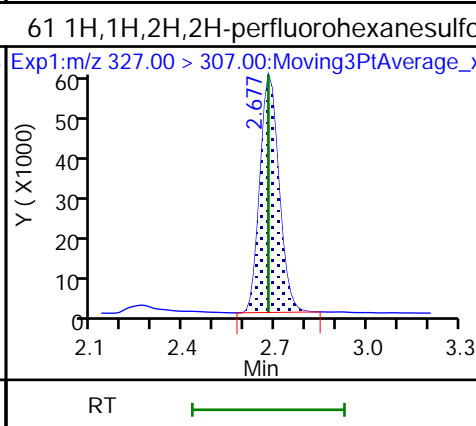
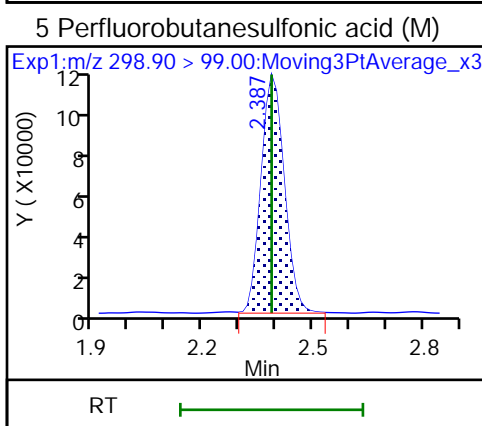
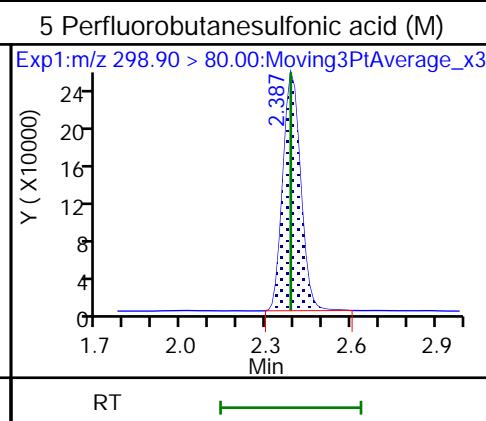
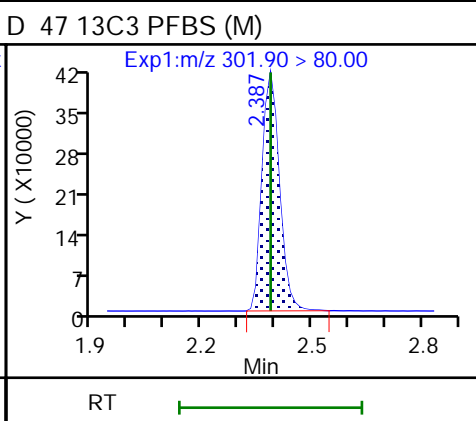
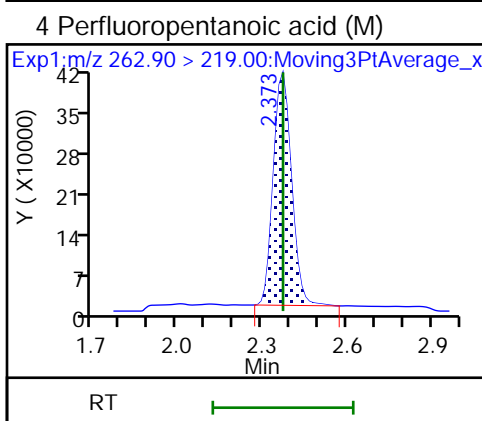
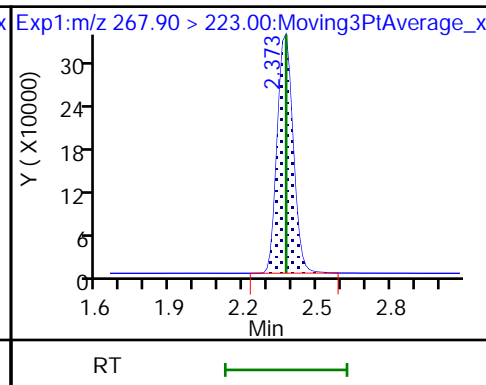
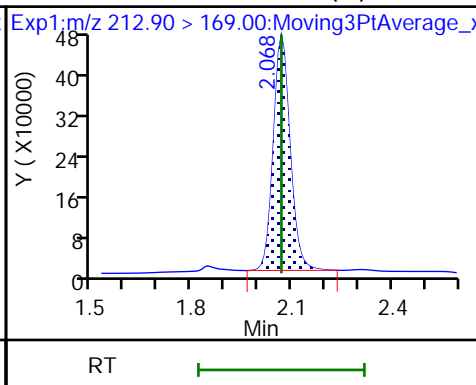
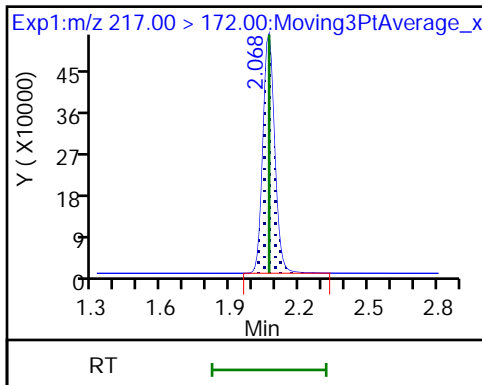
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

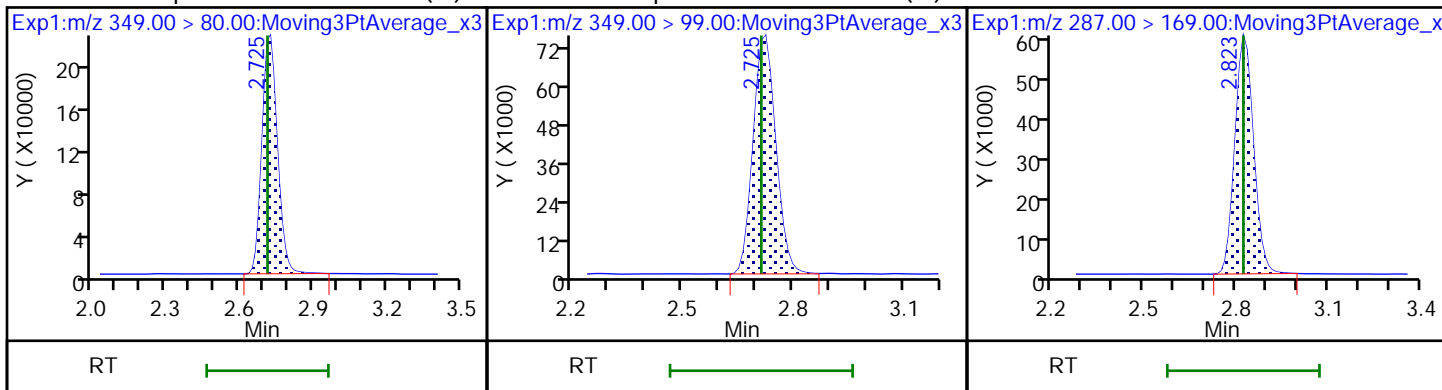
D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

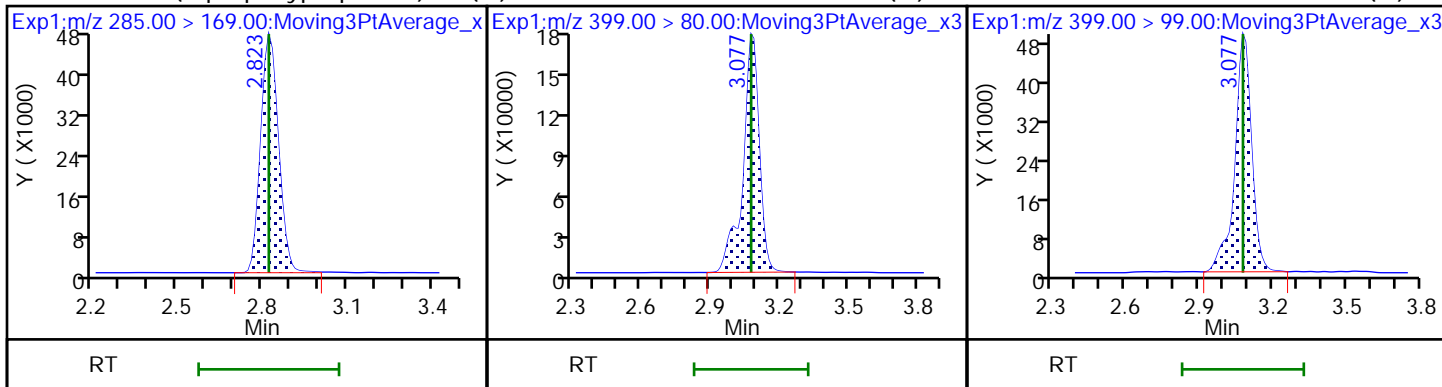
D 3 13C5 PFPeA



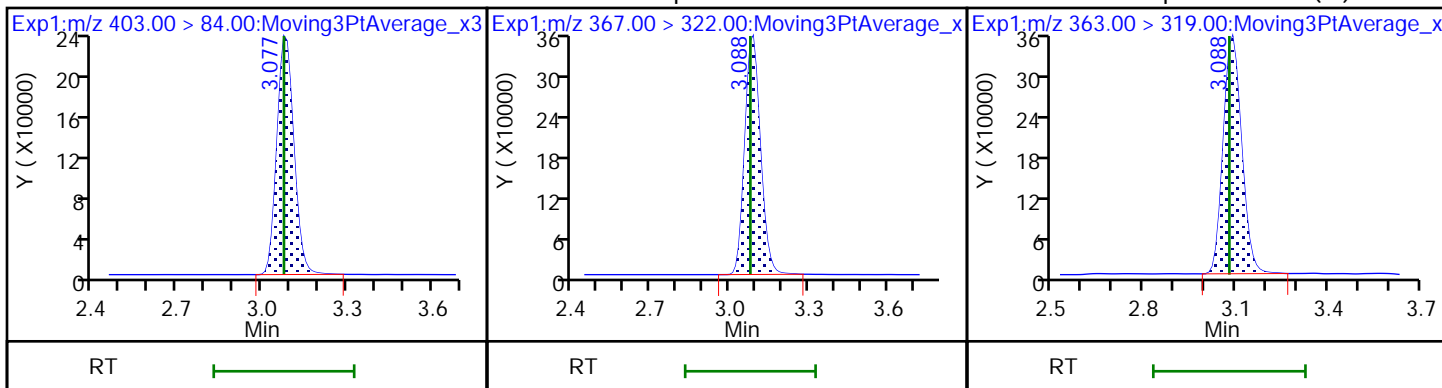
70 Perfluoropentanesulfonic acid (M) 70 Perfluoropentanesulfonic acid (M) D 64 13C3 HFPO-DA



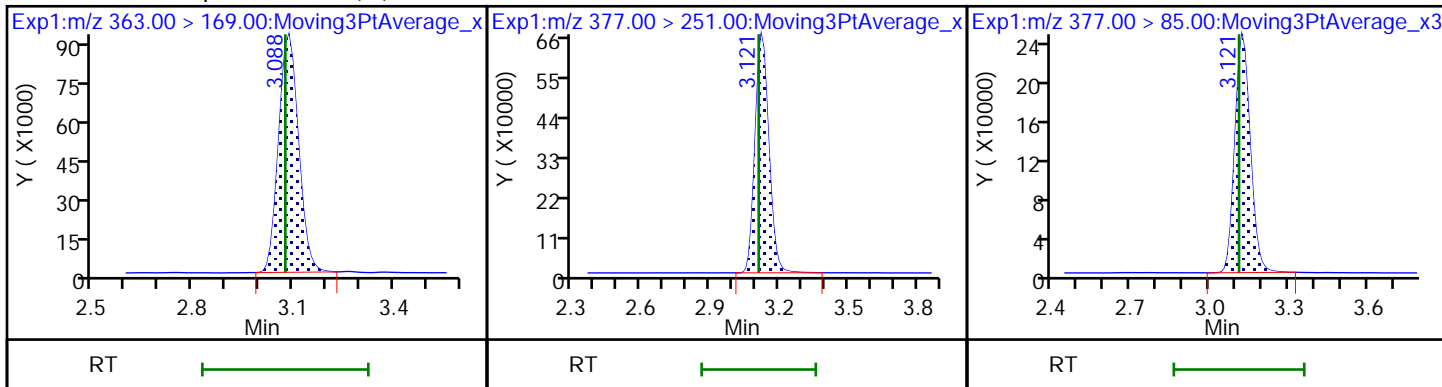
67 Perfluoro(2-propoxypropanoic) ac (M) 8 Perfluorohexanesulfonic acid (M) 8 Perfluorohexanesulfonic acid (M)



D 11 18O2 PFHxS D 9 13C4 PFHpA 10 Perfluoroheptanoic acid (M)

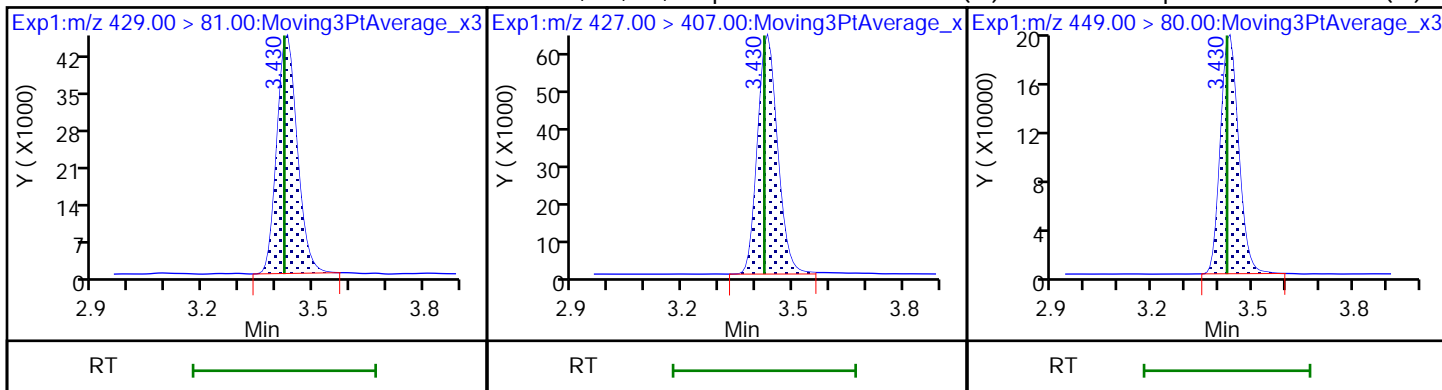


10 Perfluoroheptanoic acid (M) 77 DONA 77 DONA



D 12 M2-6:2 FTS

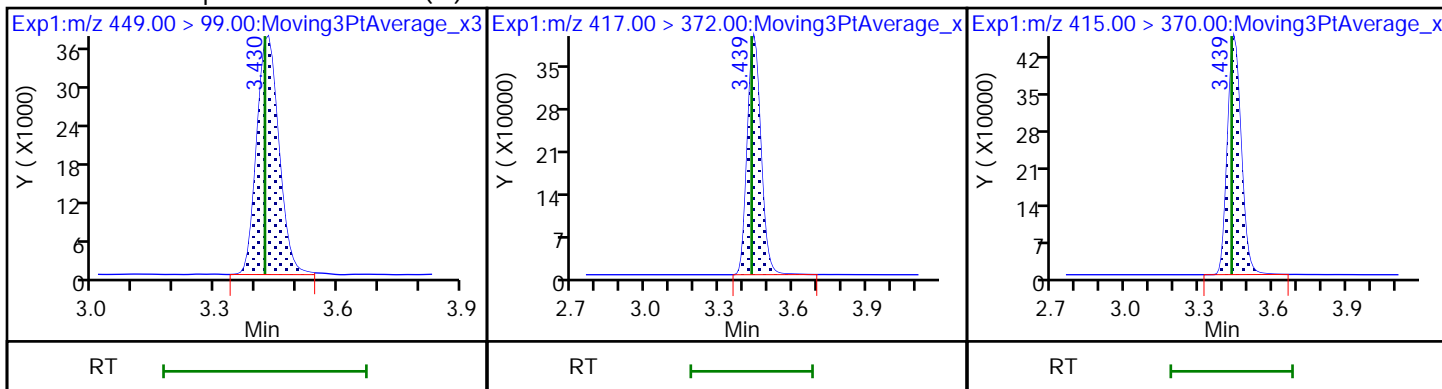
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 6 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

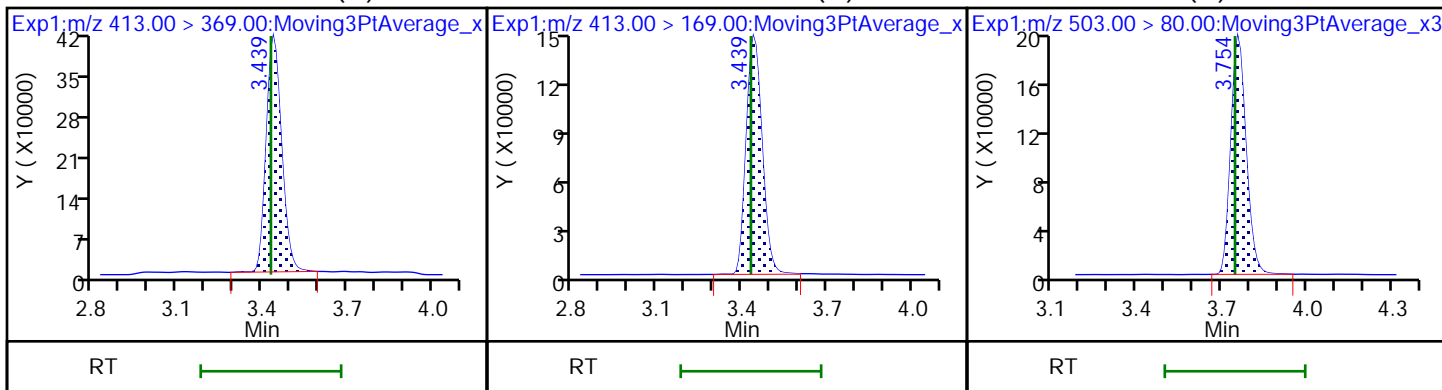
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

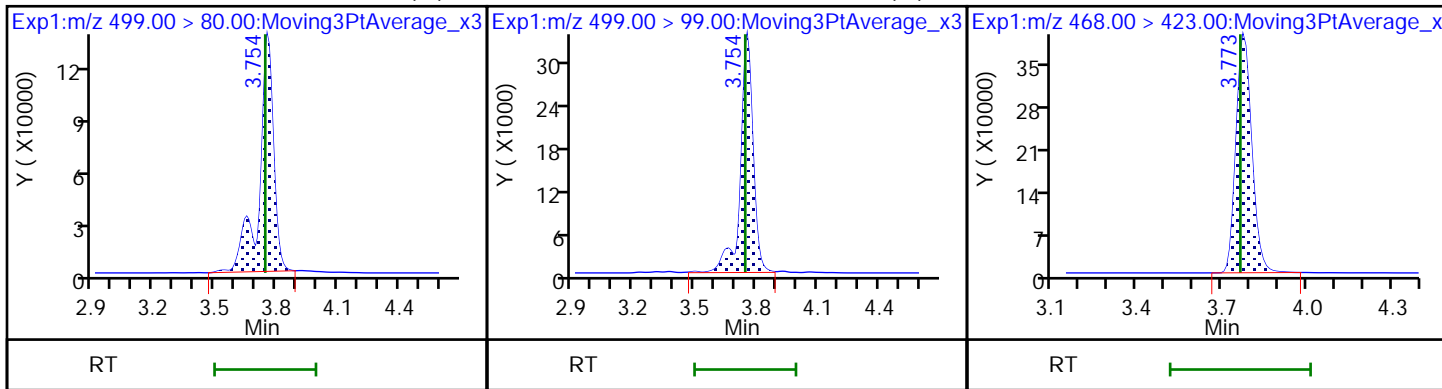
D 18 13C4 PFOS (M)

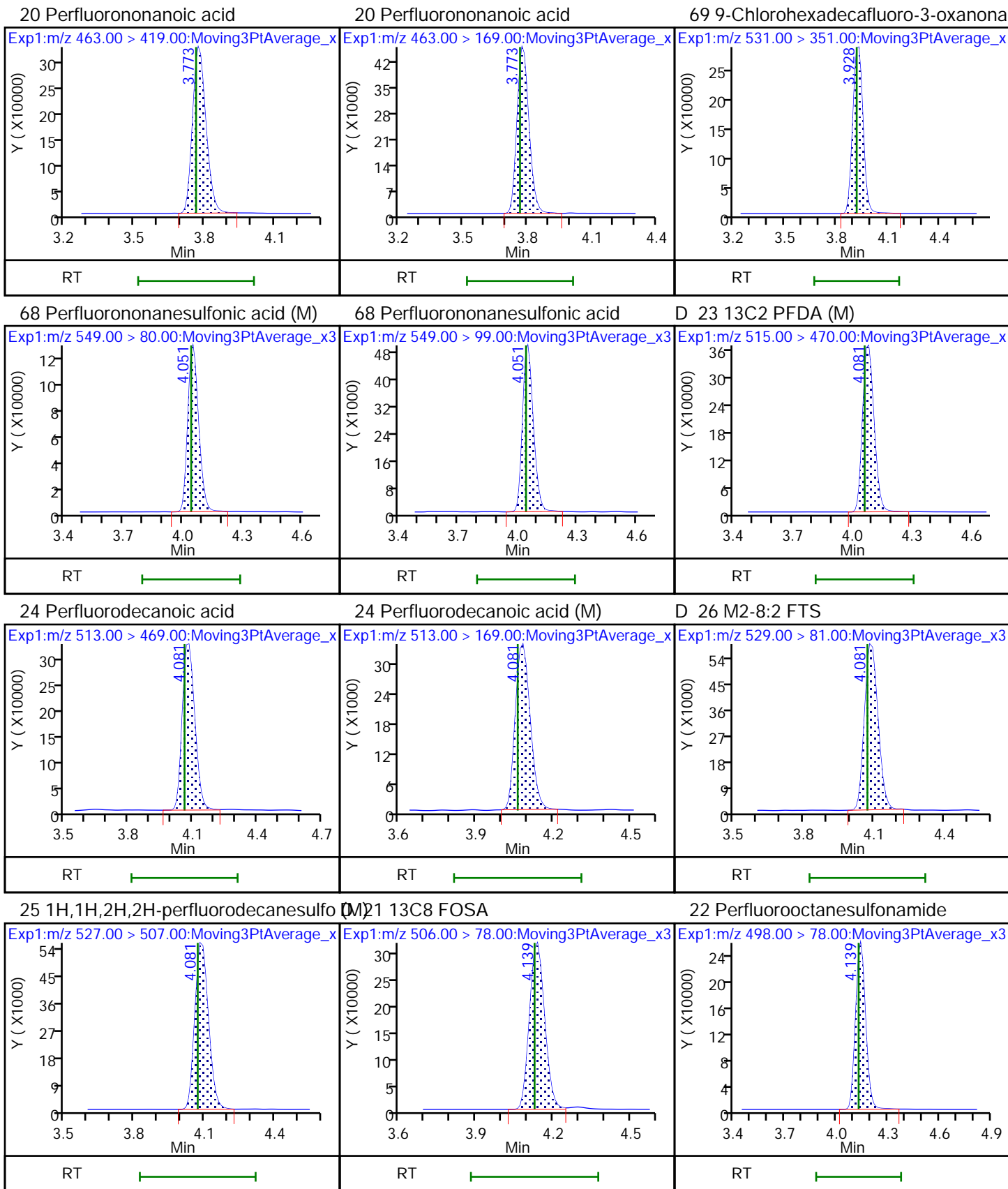


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

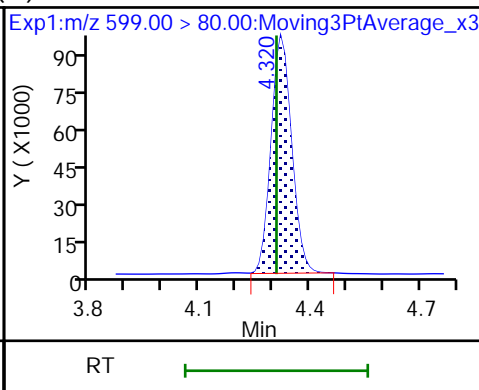
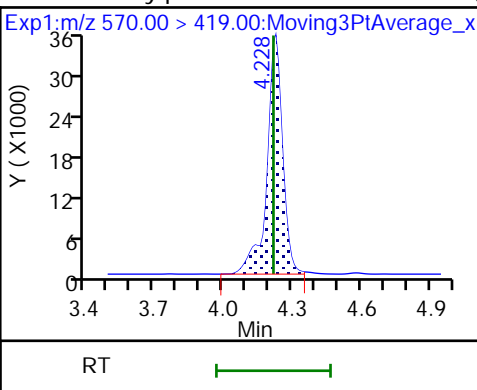
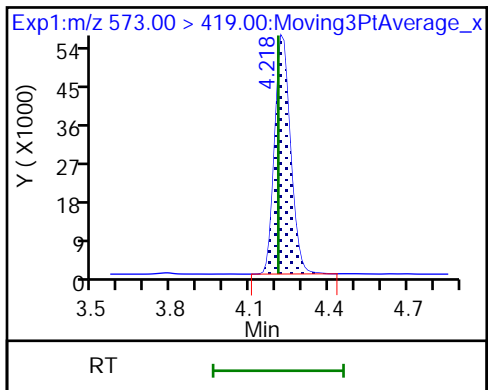
D 19 13C5 PFNA





D 27 d3-NMeFOSAA

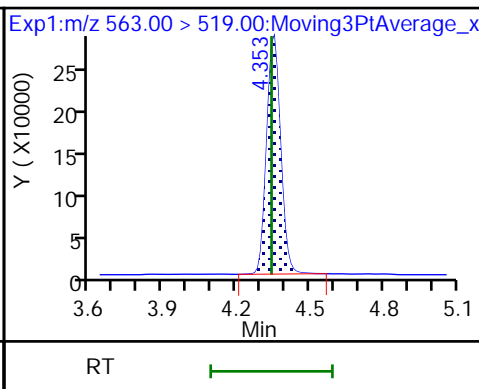
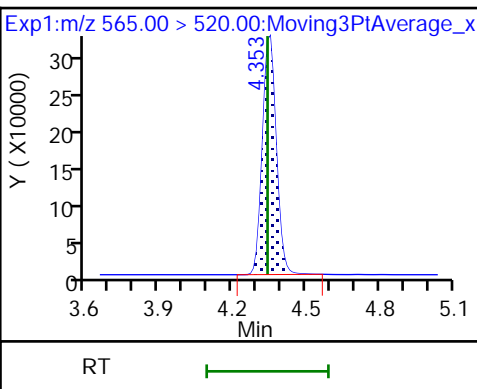
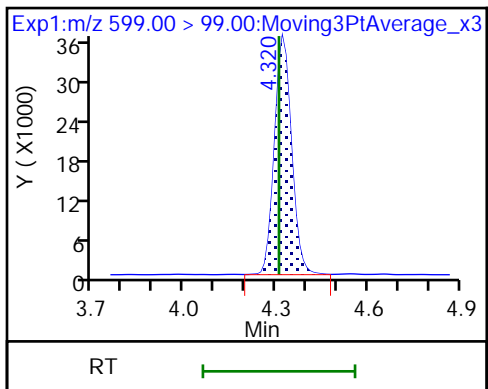
28 N-methylperfluorooctanesulfonami (M)
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid

D 30 13C2 PFUoA

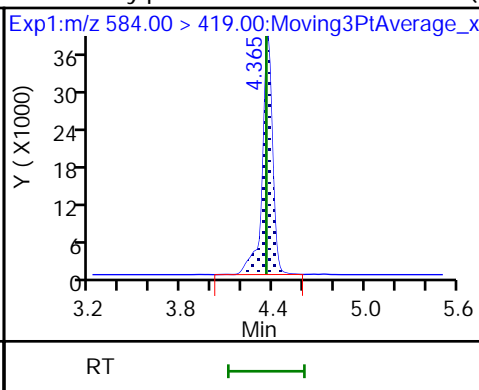
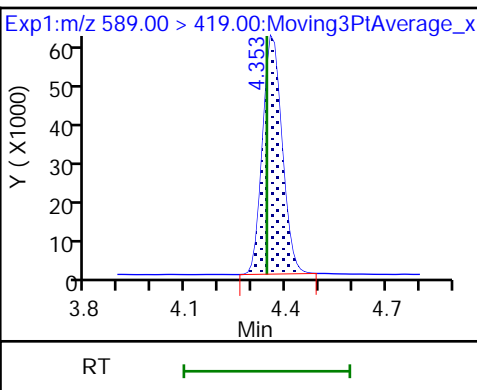
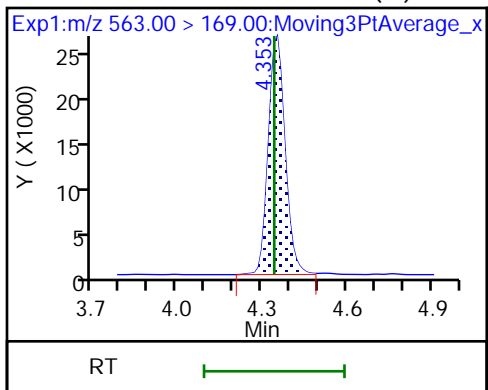
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid (M)

D 32 d5-NEtFOSAA

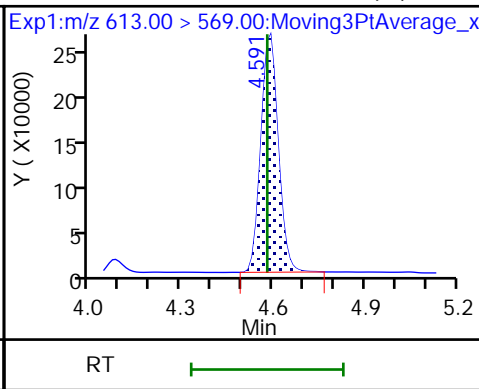
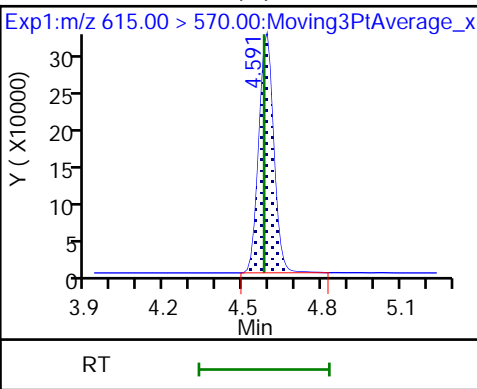
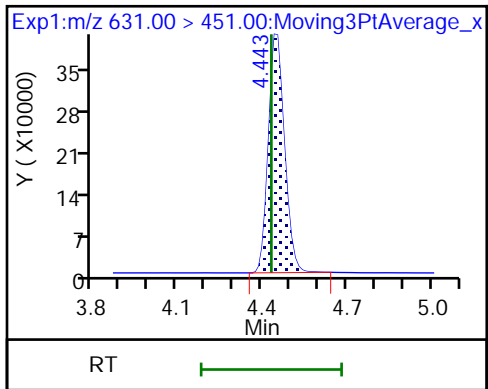
33 N-ethylperfluorooctanesulfonamid (M)

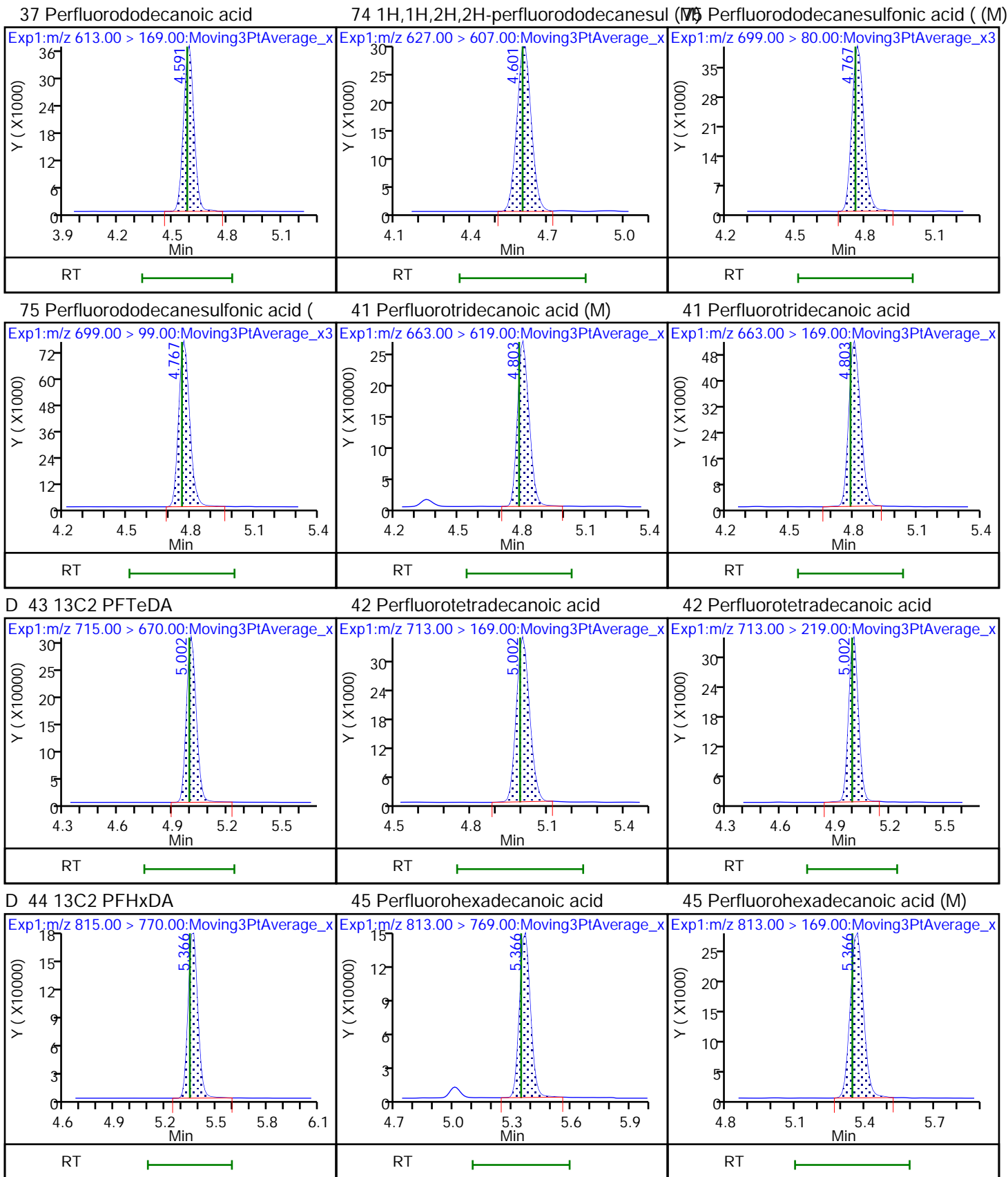


66 11-Chloroeicosafluoro-3-oxaundec

D 36 13C2 PFDoA (M)

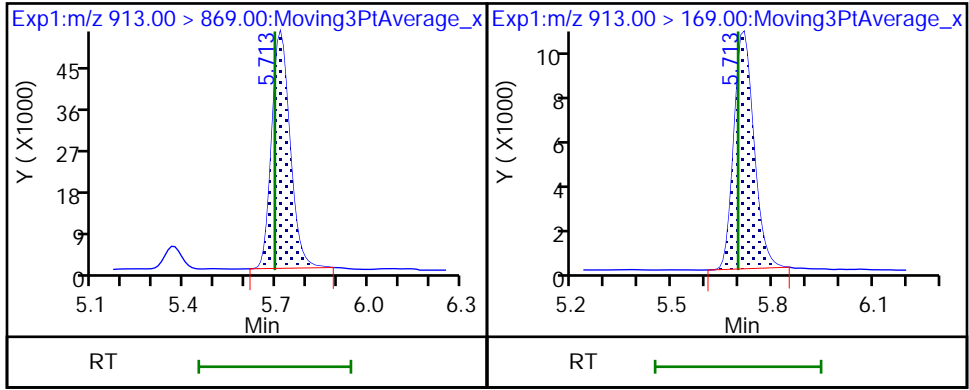
37 Perfluorododecanoic acid (M)





46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid



Eurofins Burlington

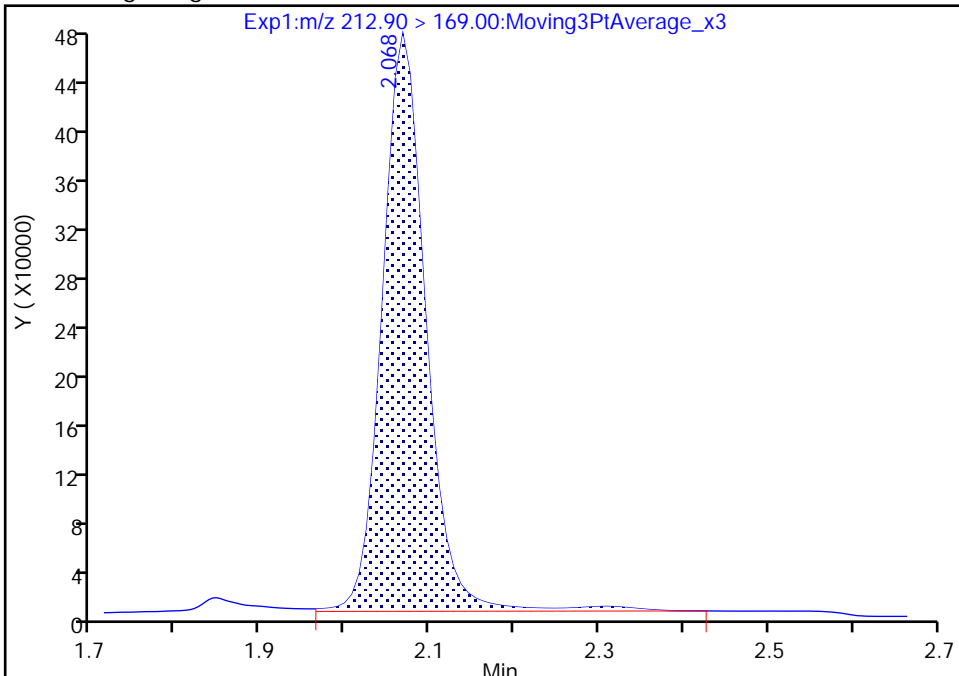
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Injection Date: 02-Sep-2022 18:20:20 Instrument ID: LC812
Lims ID: 460-264441-A-1-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

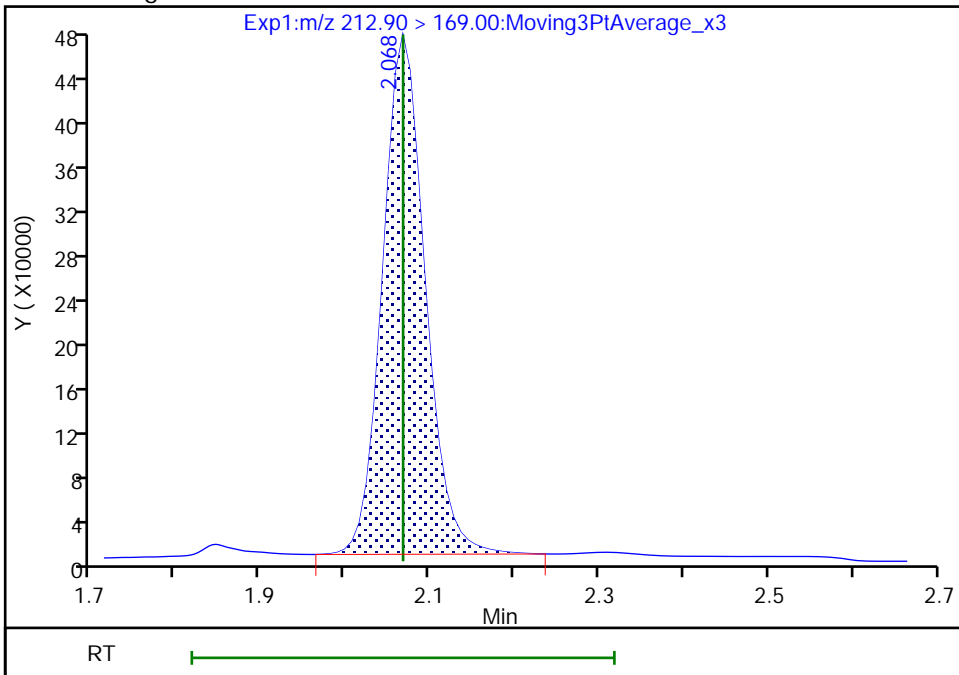
RT: 2.07
Area: 1695344
Amount: 1.187155
Amount Units: ng/ml

Processing Integration Results



RT: 2.07
Area: 1638134
Amount: 1.147094
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:10:17
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

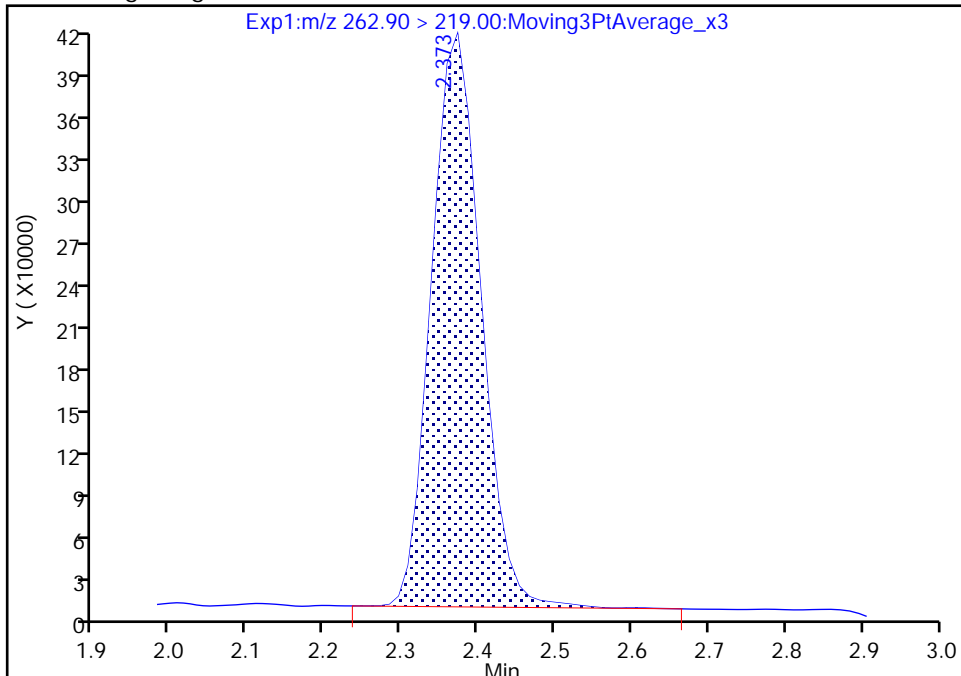
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B08.d
Injection Date: 02-Sep-2022 18:20:20 Instrument ID: LC812
Lims ID: 460-264441-A-1-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

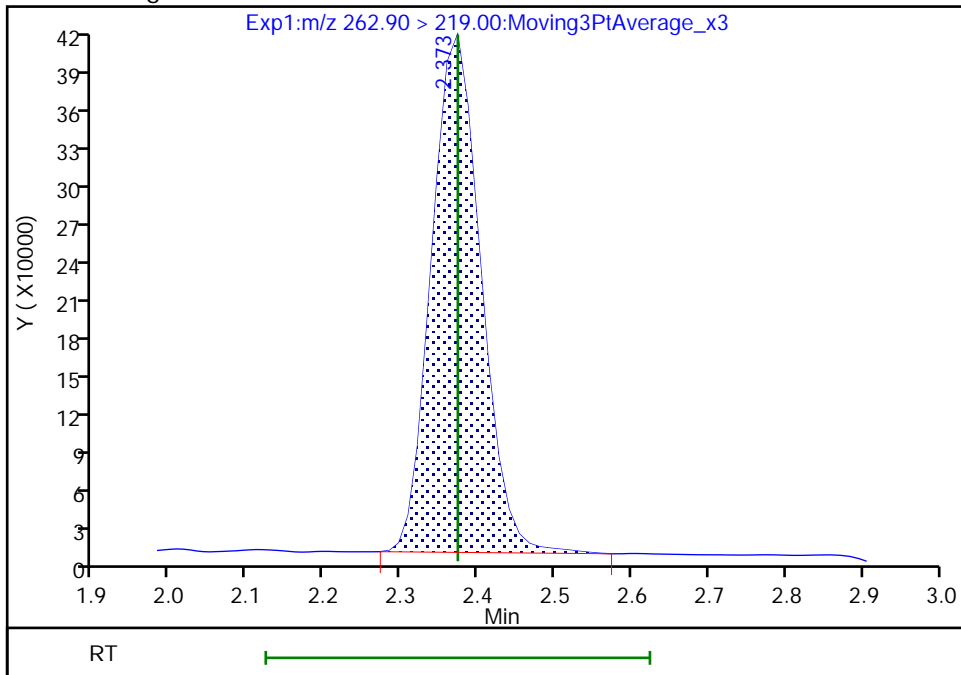
RT: 2.37
Area: 1794427
Amount: 1.456524
Amount Units: ng/ml

Processing Integration Results



RT: 2.37
Area: 1789864
Amount: 1.452820
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:10:21
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

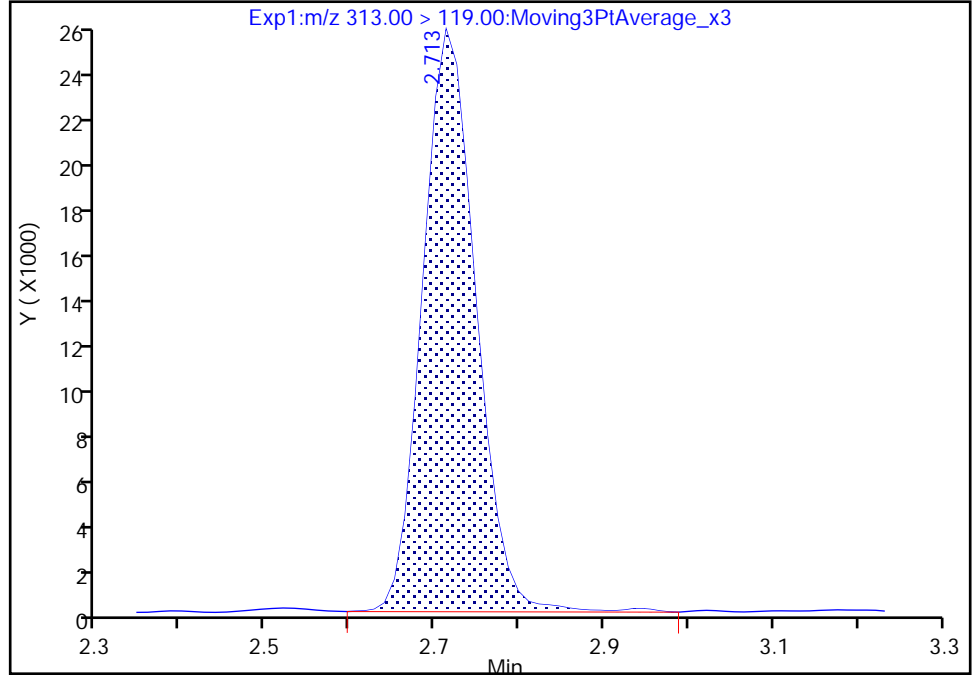
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Injection Date: 02-Sep-2022 18:20:20 Instrument ID: LC812
Lims ID: 460-264441-A-1-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

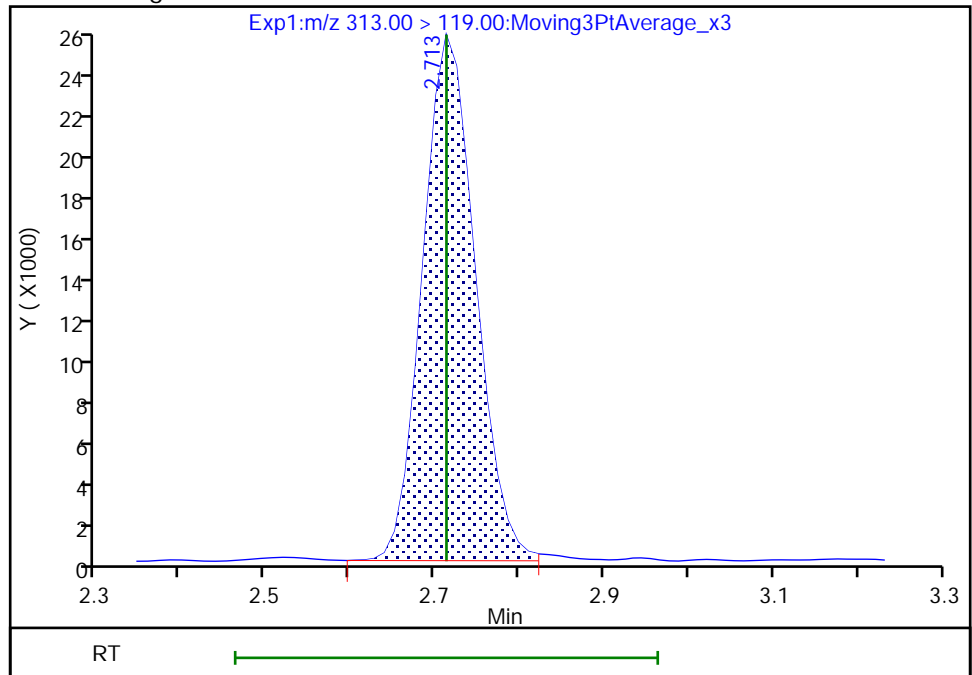
RT: 2.71
Area: 108901
Amount: 1.151657
Amount Units: ng/ml

Processing Integration Results



RT: 2.71
Area: 107695
Amount: 1.132661
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:10:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

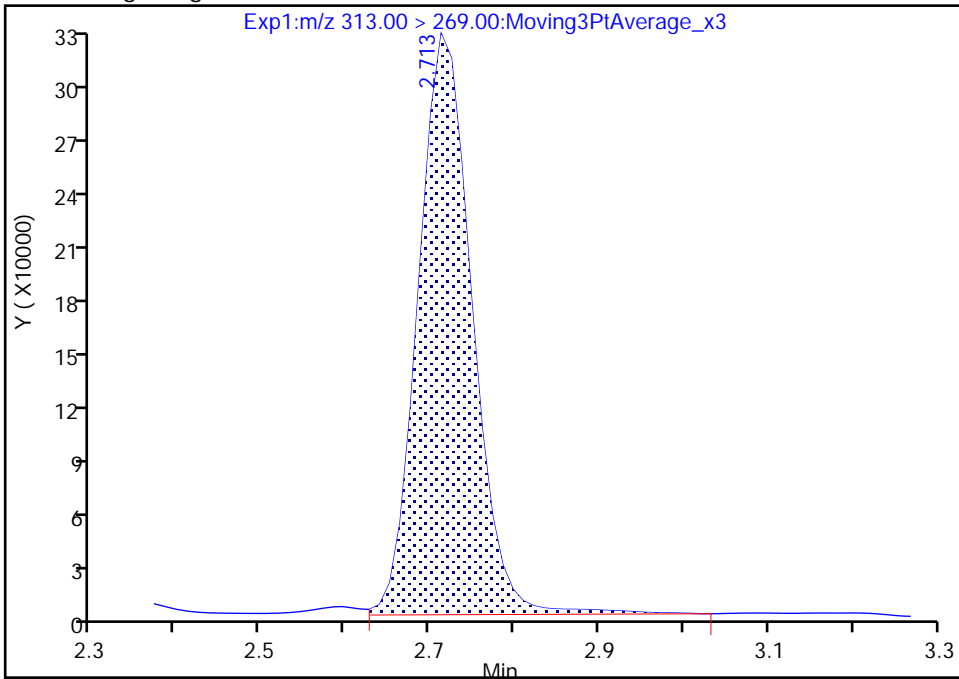
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Injection Date: 02-Sep-2022 18:20:20 Instrument ID: LC812
Lims ID: 460-264441-A-1-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

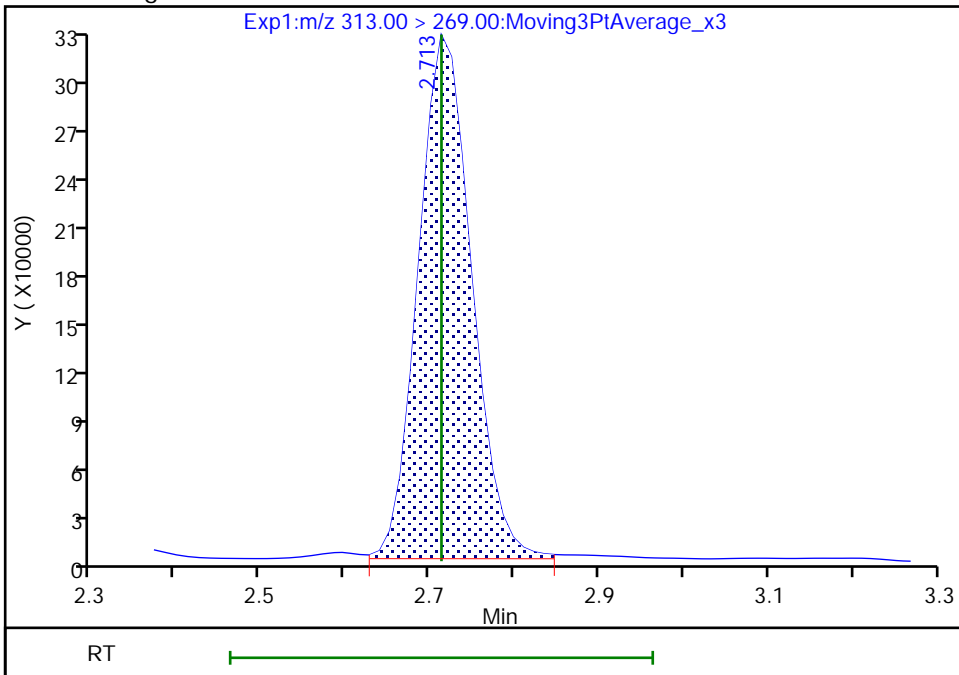
RT: 2.71
Area: 1423299
Amount: 1.151657
Amount Units: ng/ml

Processing Integration Results



RT: 2.71
Area: 1399822
Amount: 1.132661
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:11:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

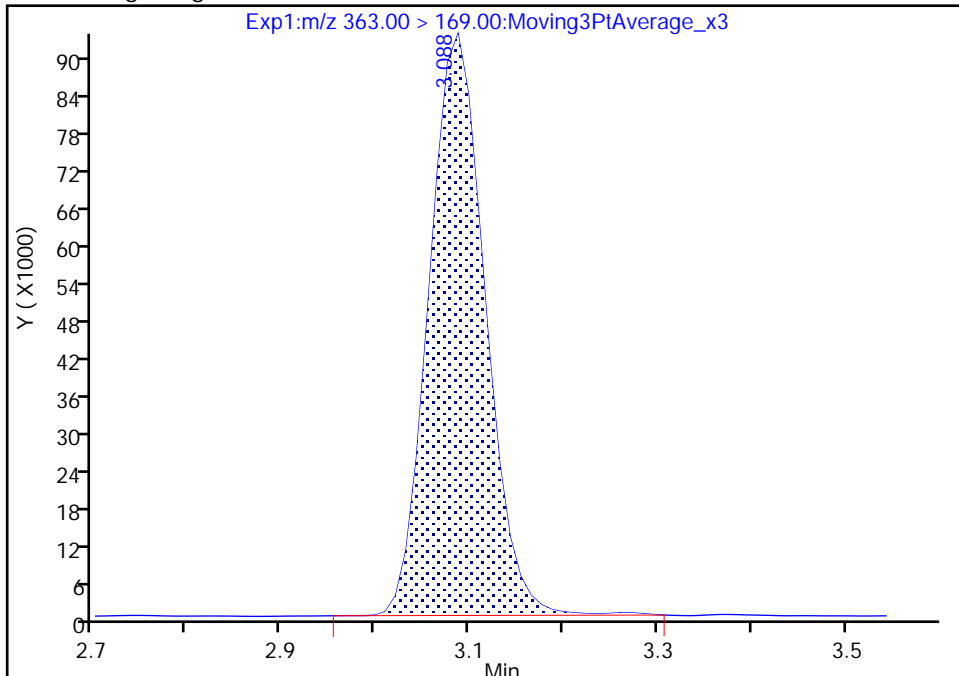
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Injection Date: 02-Sep-2022 18:20:20 Instrument ID: LC812
Lims ID: 460-264441-A-1-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

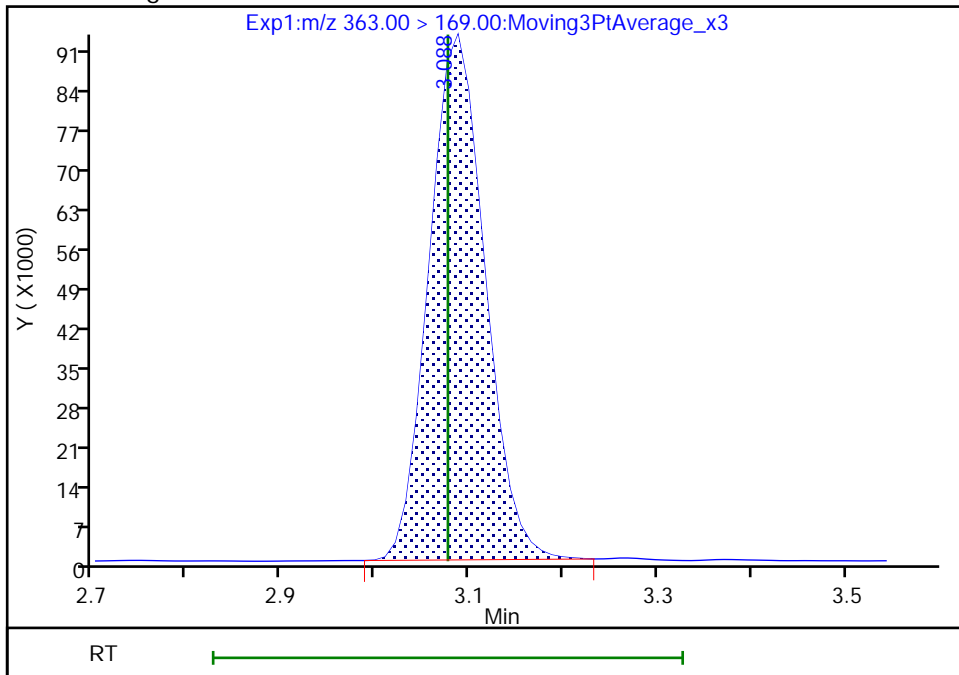
RT: 3.09
Area: 387535
Amount: 1.232951
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 384789
Amount: 1.230058
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:11:34
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

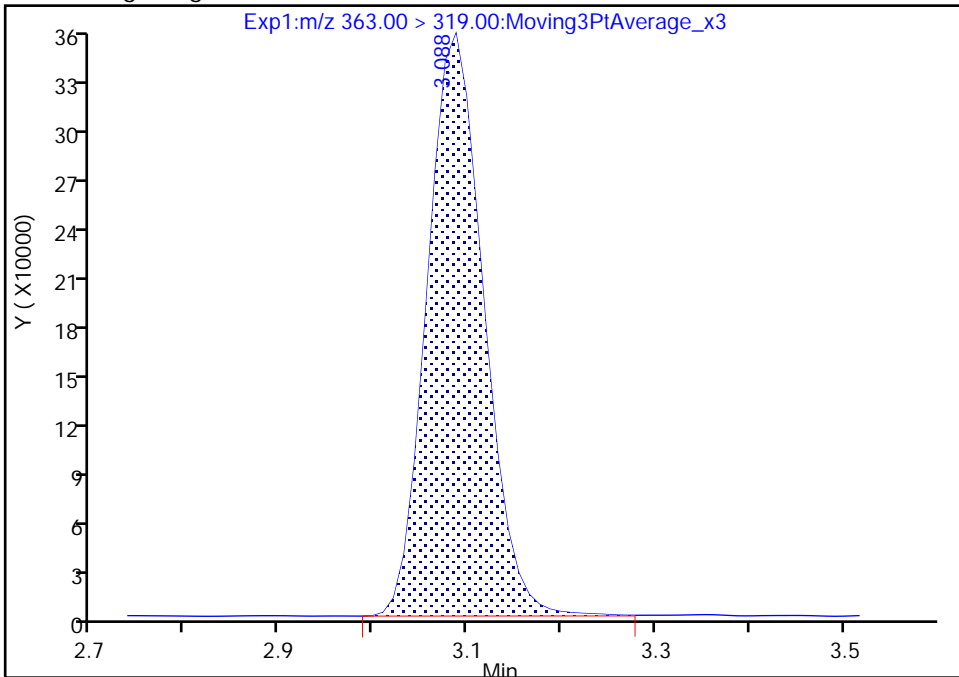
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Injection Date: 02-Sep-2022 18:20:20 Instrument ID: LC812
Lims ID: 460-264441-A-1-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

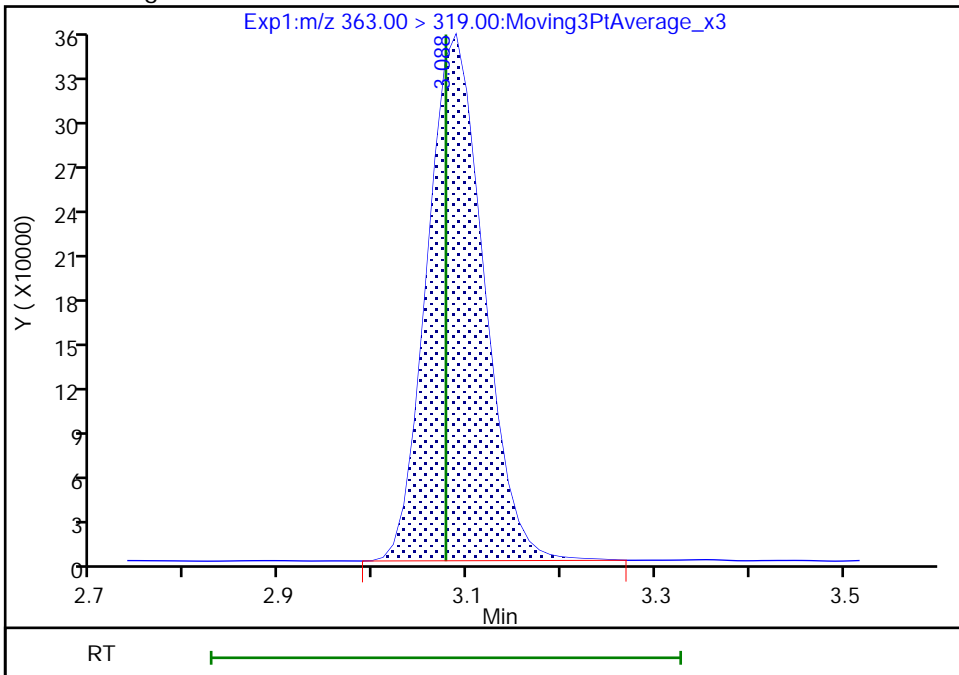
RT: 3.09
Area: 1477720
Amount: 1.232951
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 1474253
Amount: 1.230058
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:11:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

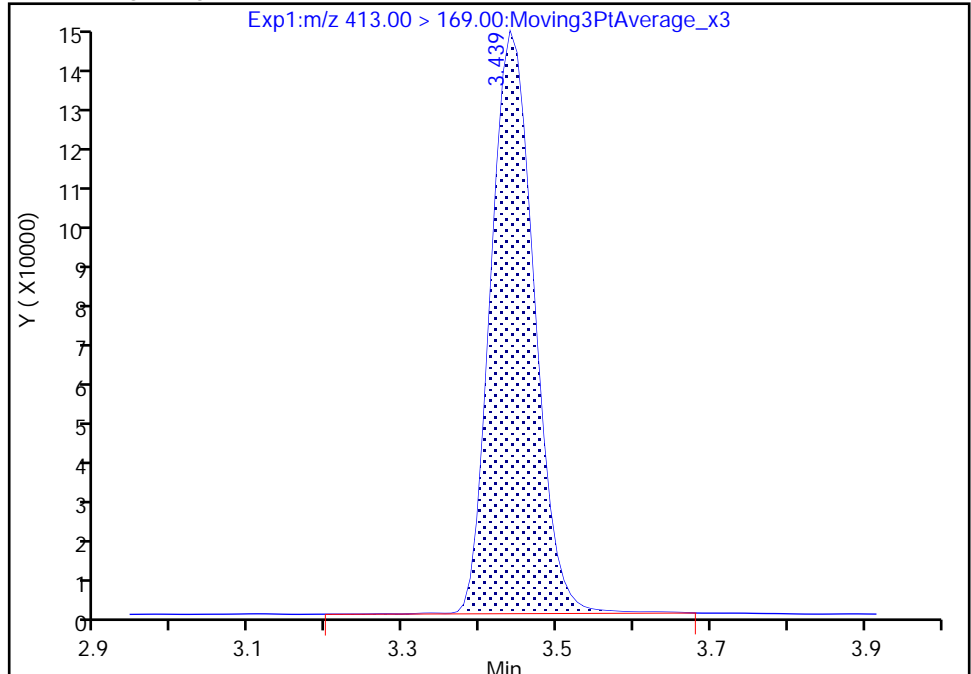
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Injection Date: 02-Sep-2022 18:20:20 Instrument ID: LC812
Lims ID: 460-264441-A-1-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

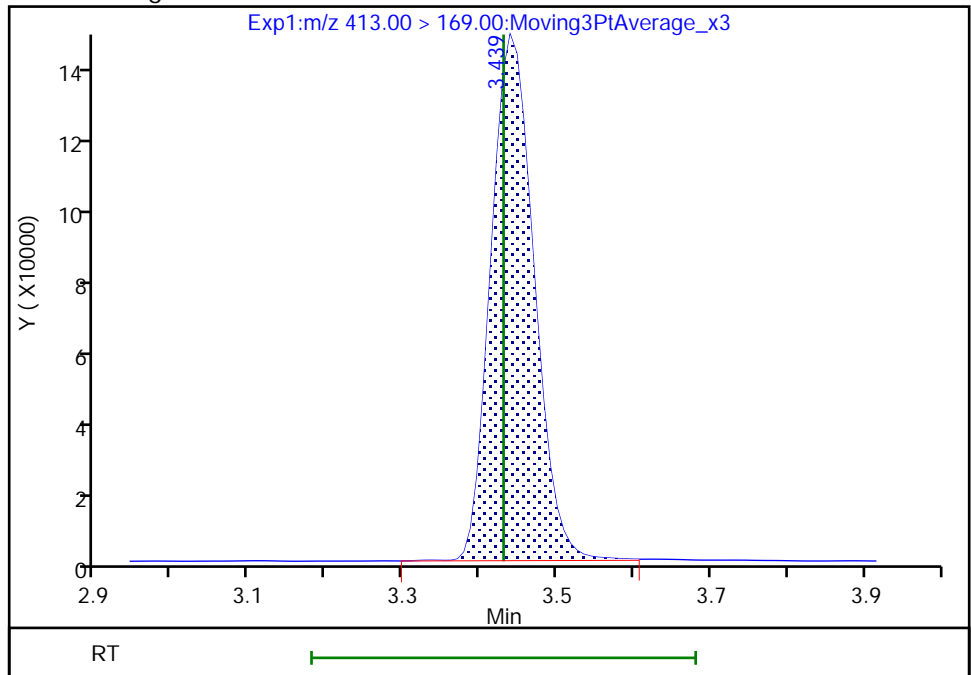
RT: 3.44
Area: 561972
Amount: 1.150048
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 561192
Amount: 1.148626
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:12:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

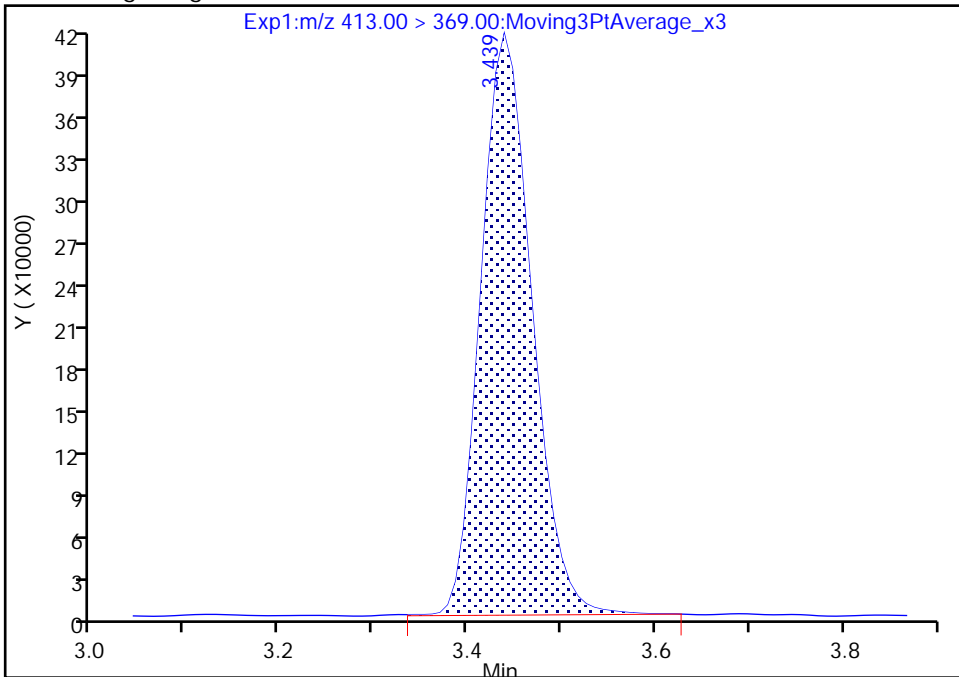
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Injection Date: 02-Sep-2022 18:20:20 Instrument ID: LC812
Lims ID: 460-264441-A-1-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

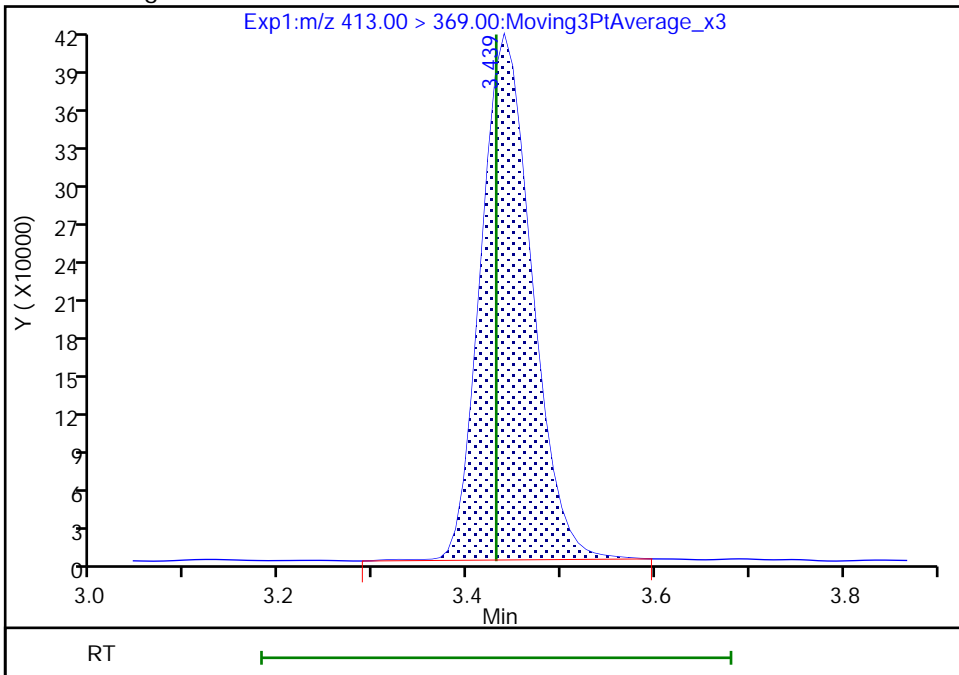
RT: 3.44
Area: 1563858
Amount: 1.150048
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 1561924
Amount: 1.148626
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:12:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

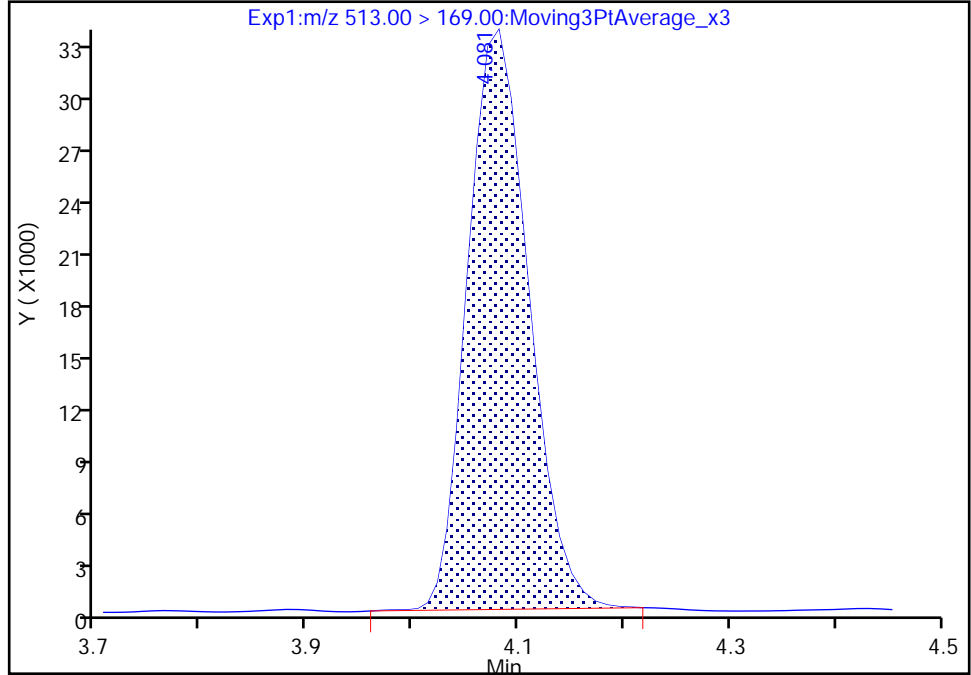
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Injection Date: 02-Sep-2022 18:20:20 Instrument ID: LC812
Lims ID: 460-264441-A-1-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

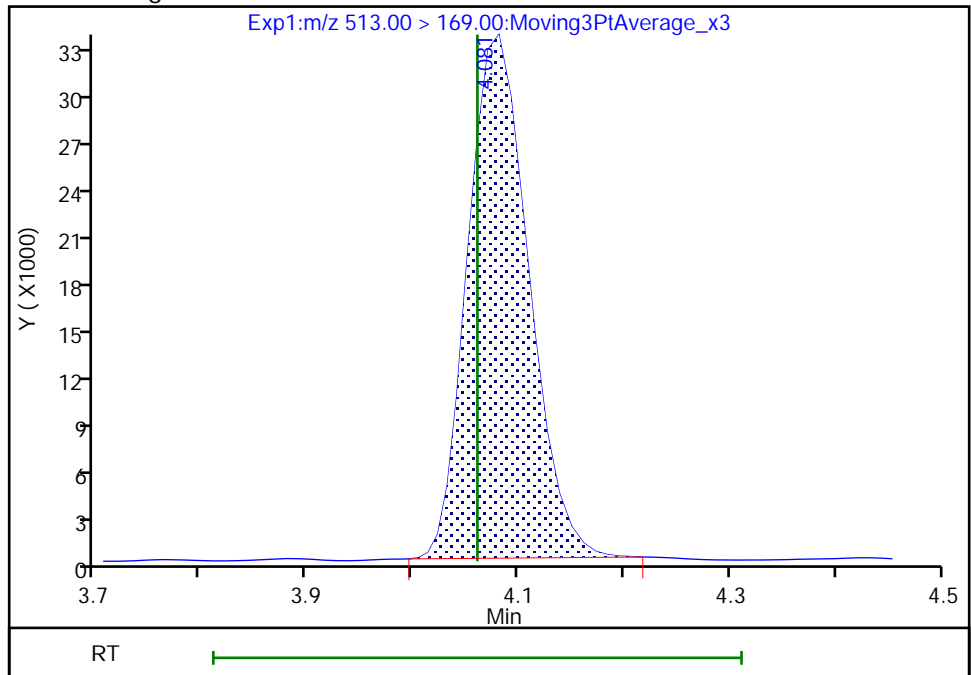
RT: 4.08
Area: 133015
Amount: 1.073976
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 132688
Amount: 1.073976
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:13:03
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

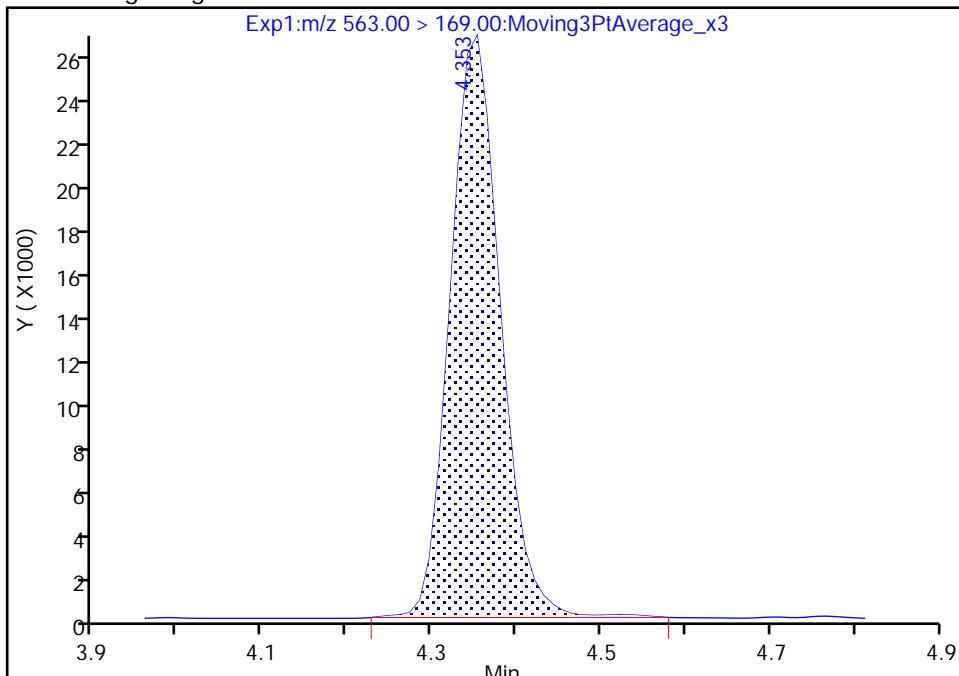
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Injection Date: 02-Sep-2022 18:20:20 Instrument ID: LC812
Lims ID: 460-264441-A-1-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

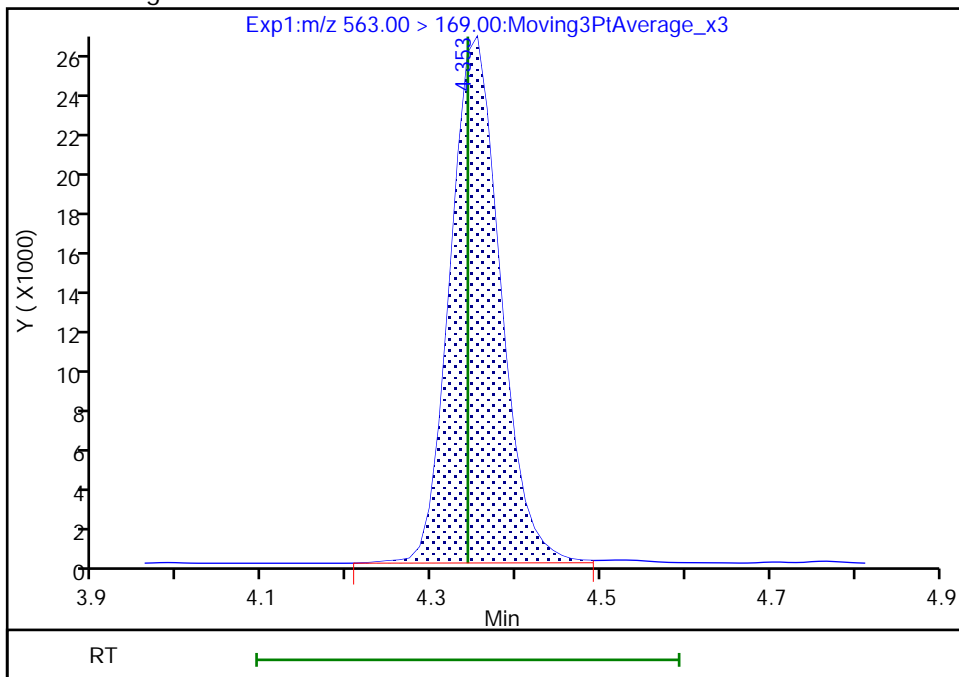
RT: 4.35
Area: 108390
Amount: 1.035582
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 108361
Amount: 1.035582
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:13:32
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

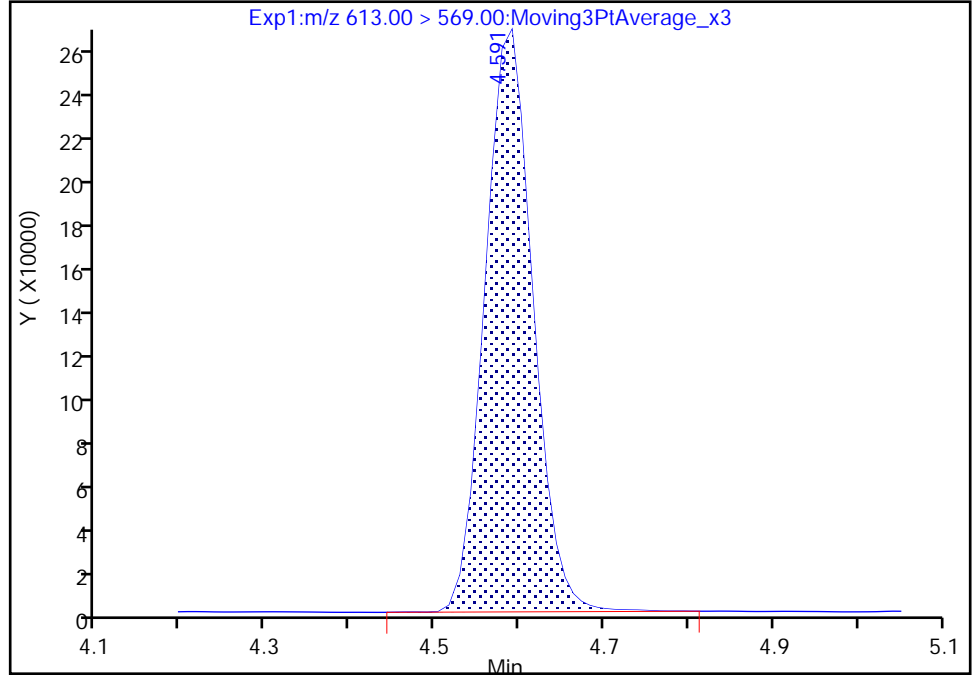
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B08.d
Injection Date: 02-Sep-2022 18:20:20 Instrument ID: LC812
Lims ID: 460-264441-A-1-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

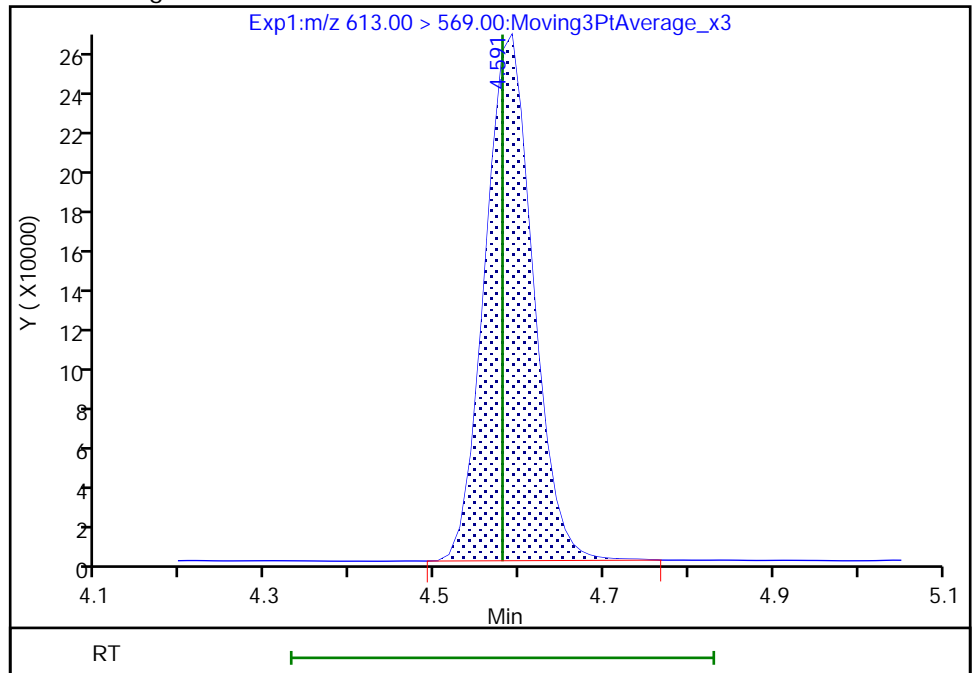
RT: 4.59
Area: 1055272
Amount: 1.031638
Amount Units: ng/ml

Processing Integration Results



RT: 4.59
Area: 1053914
Amount: 1.030311
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:13:48
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

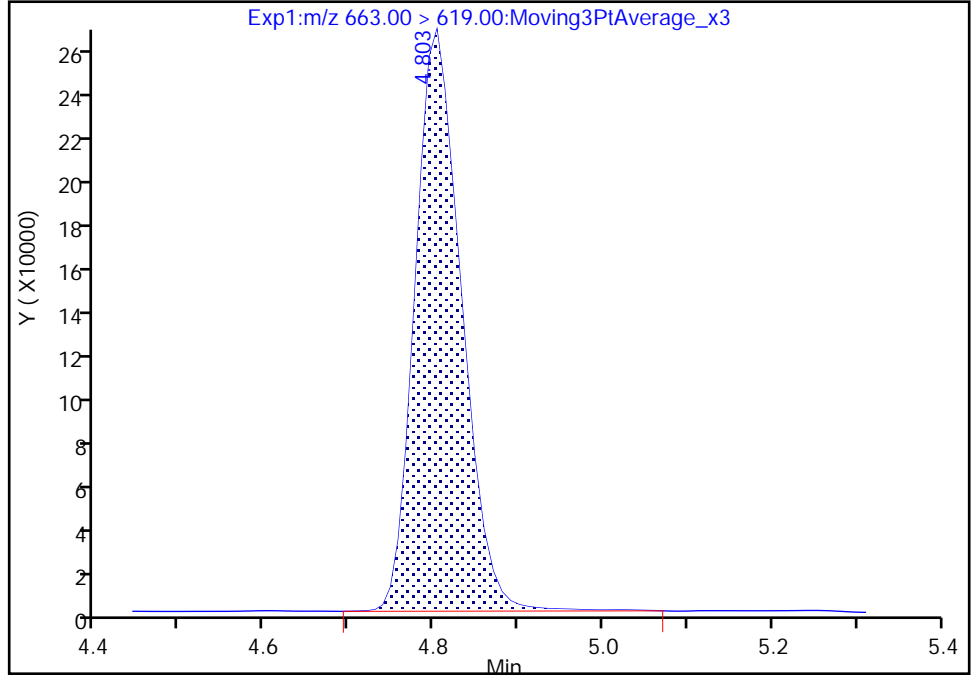
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B08.d
Injection Date: 02-Sep-2022 18:20:20 Instrument ID: LC812
Lims ID: 460-264441-A-1-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

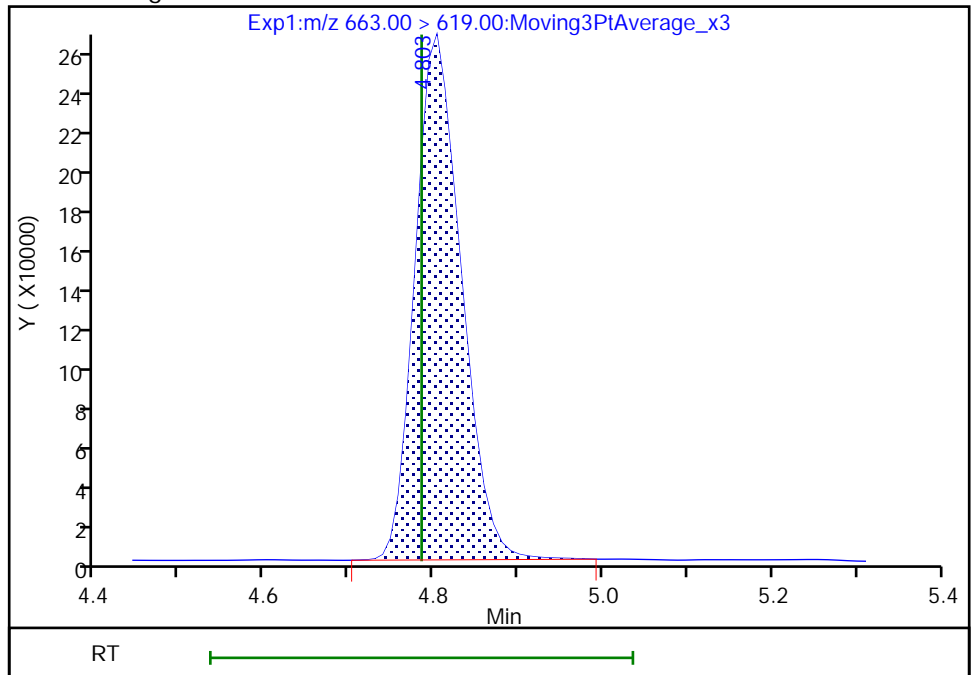
RT: 4.80
Area: 1004696
Amount: 1.133041
Amount Units: ng/ml

Processing Integration Results



RT: 4.80
Area: 999754
Amount: 1.127468
Amount Units: ng/ml

Manual Integration Results



Eurofins Burlington

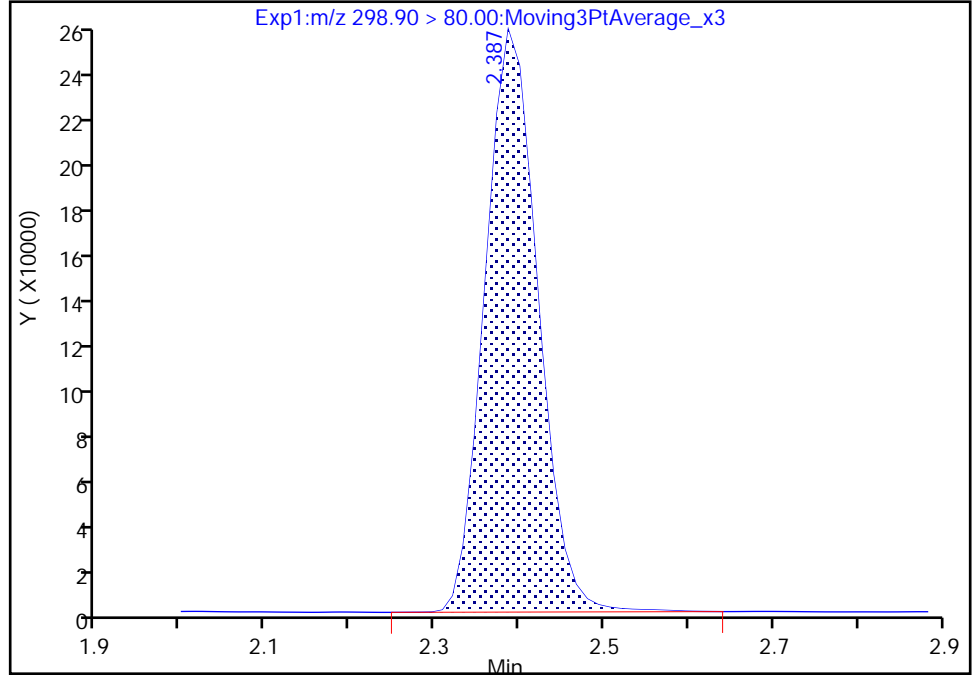
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B08.d
Injection Date: 02-Sep-2022 18:20:20 Instrument ID: LC812
Lims ID: 460-264441-A-1-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

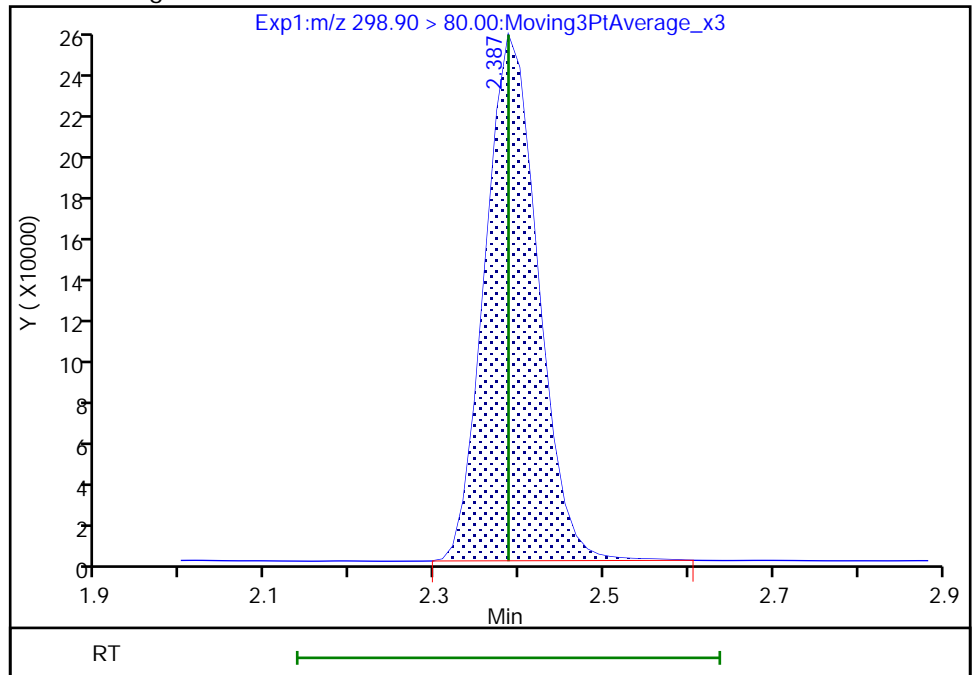
RT: 2.39
Area: 1128262
Amount: 0.882016
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 1125869
Amount: 0.880145
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:10:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

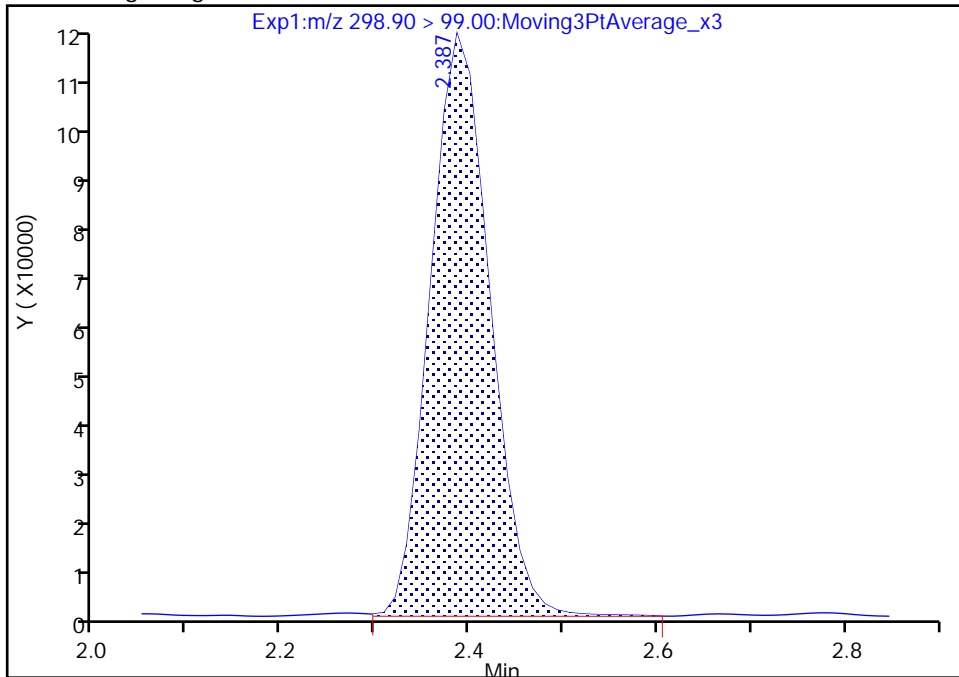
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B08.d
Injection Date: 02-Sep-2022 18:20:20 Instrument ID: LC812
Lims ID: 460-264441-A-1-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

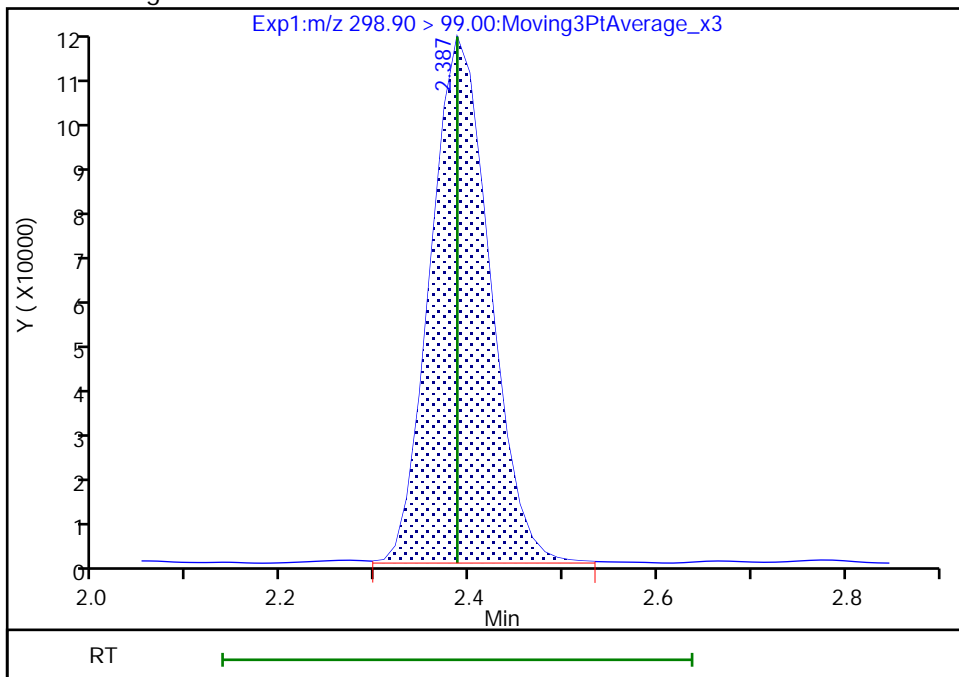
RT: 2.39
Area: 516511
Amount: 0.882016
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 515343
Amount: 0.880145
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:10:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

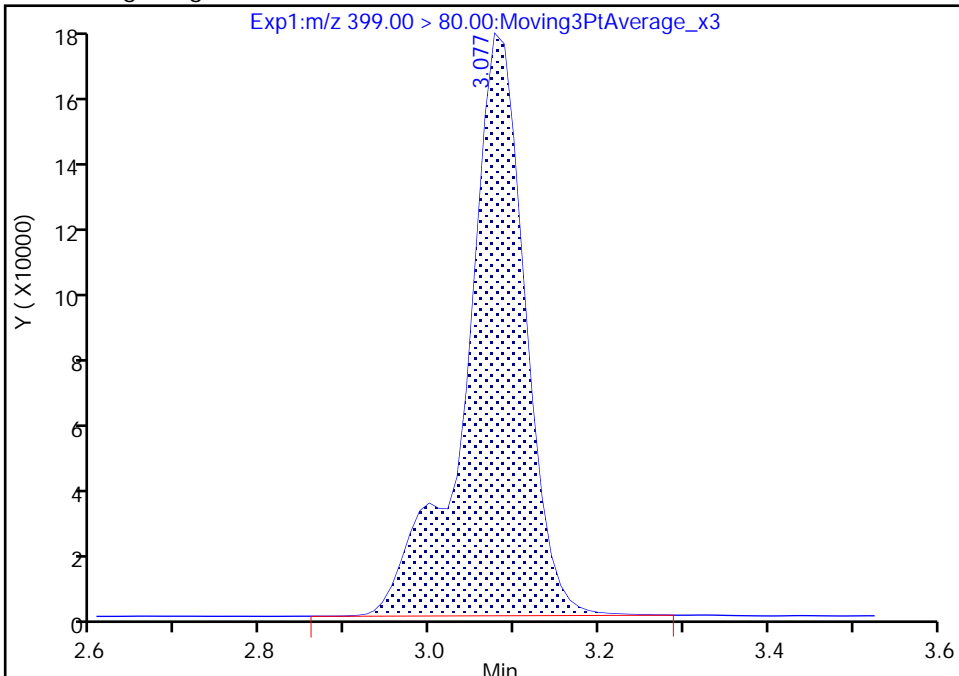
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B08.d
Injection Date: 02-Sep-2022 18:20:20 Instrument ID: LC812
Lims ID: 460-264441-A-1-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

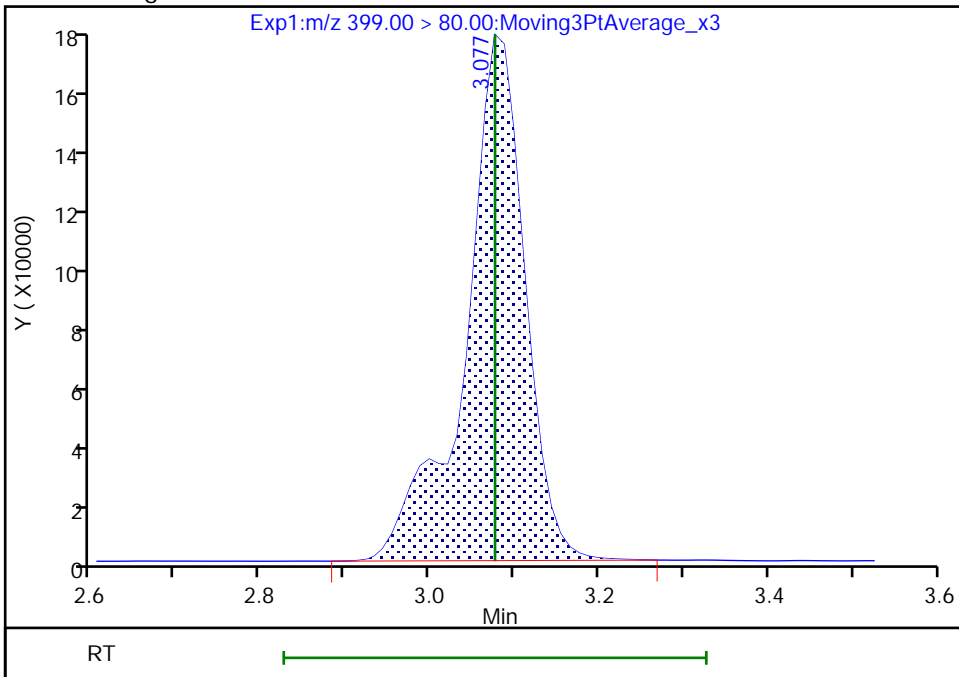
RT: 3.08
Area: 832668
Amount: 0.898964
Amount Units: ng/ml

Processing Integration Results



RT: 3.08
Area: 831949
Amount: 0.898188
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:11:24
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

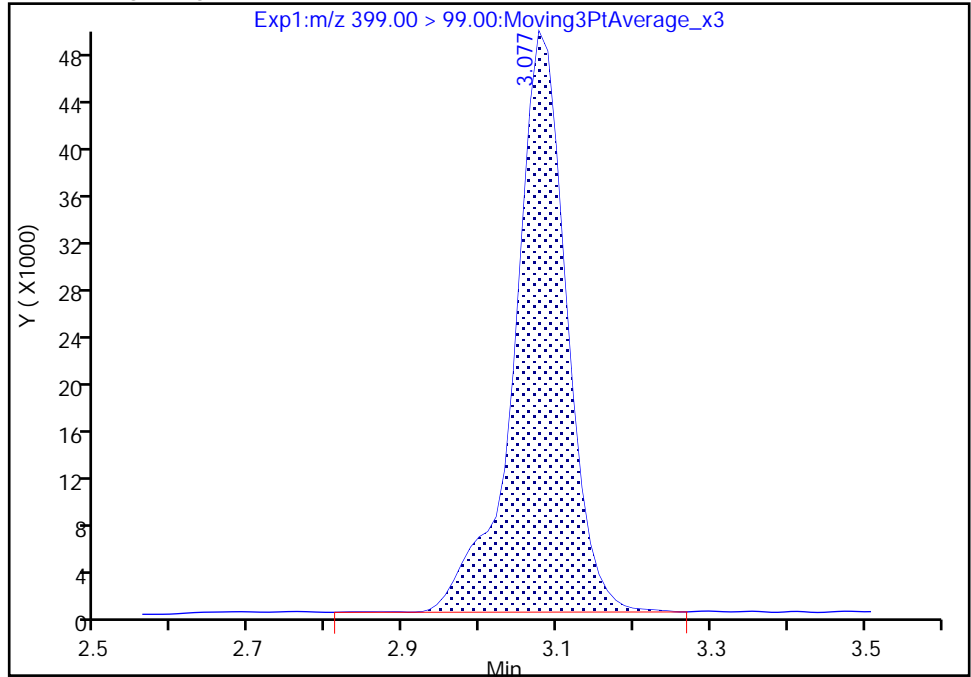
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B08.d
Injection Date: 02-Sep-2022 18:20:20 Instrument ID: LC812
Lims ID: 460-264441-A-1-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

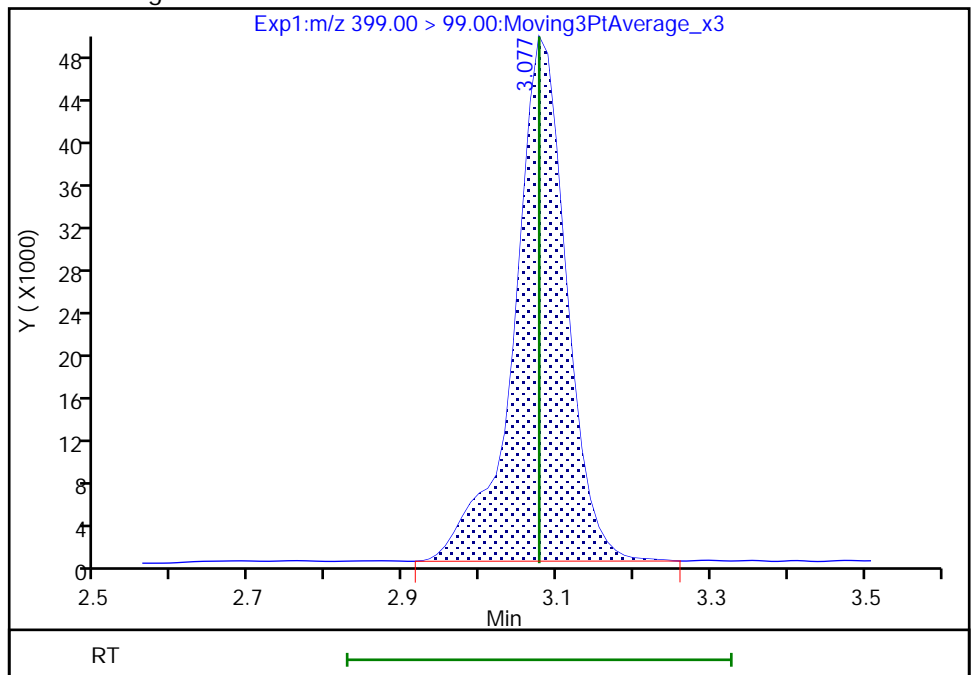
RT: 3.08
Area: 231164
Amount: 0.898964
Amount Units: ng/ml

Processing Integration Results



RT: 3.08
Area: 230866
Amount: 0.898188
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:11:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

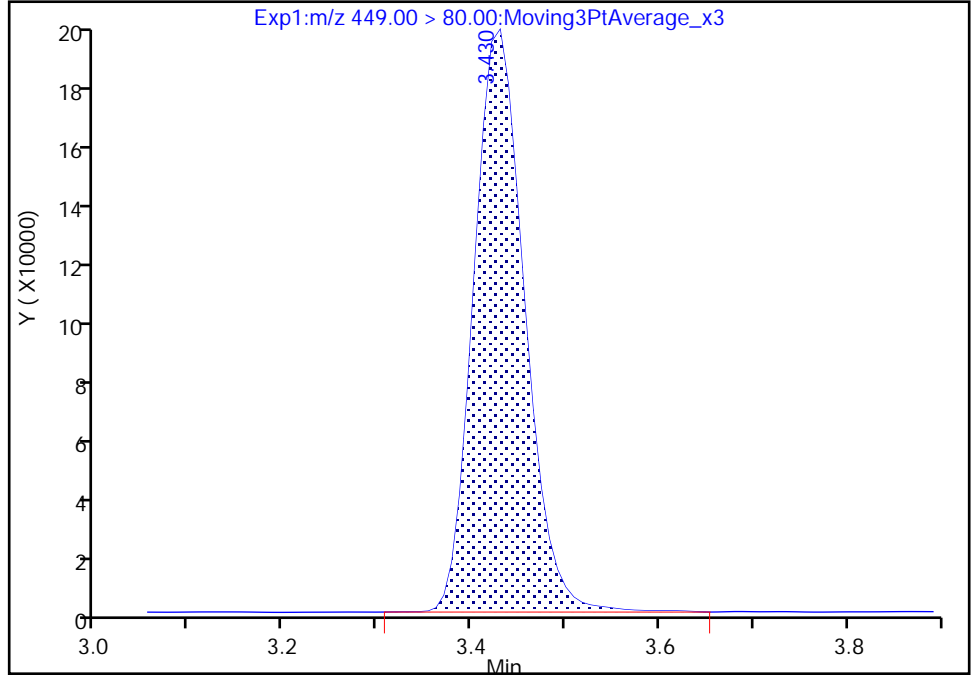
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B08.d
Injection Date: 02-Sep-2022 18:20:20 Instrument ID: LC812
Lims ID: 460-264441-A-1-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

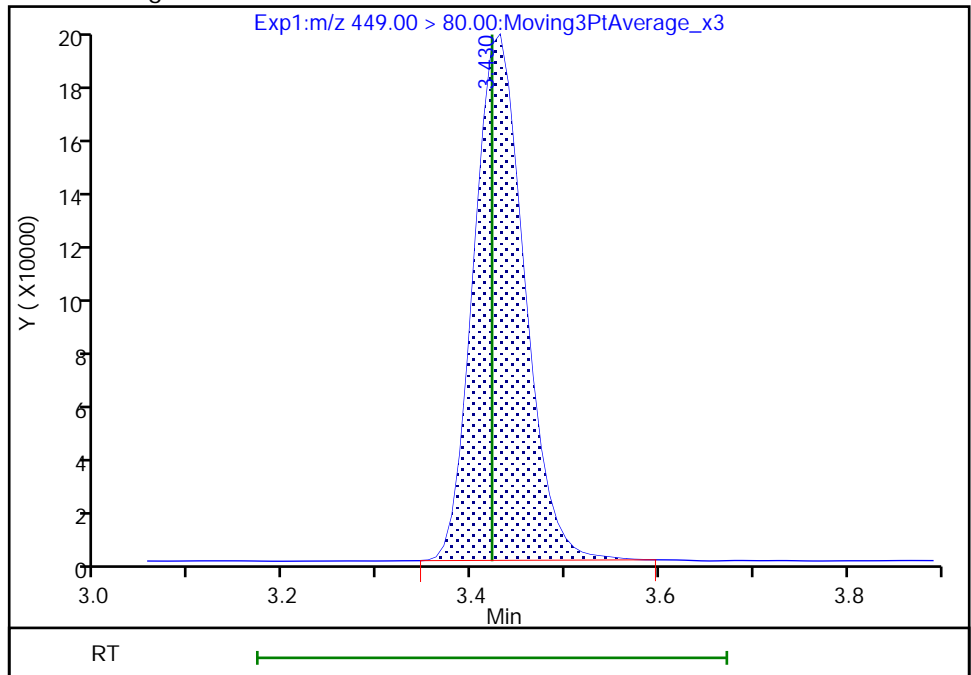
RT: 3.43
Area: 726373
Amount: 0.949792
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 721280
Amount: 0.943132
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:11:59
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

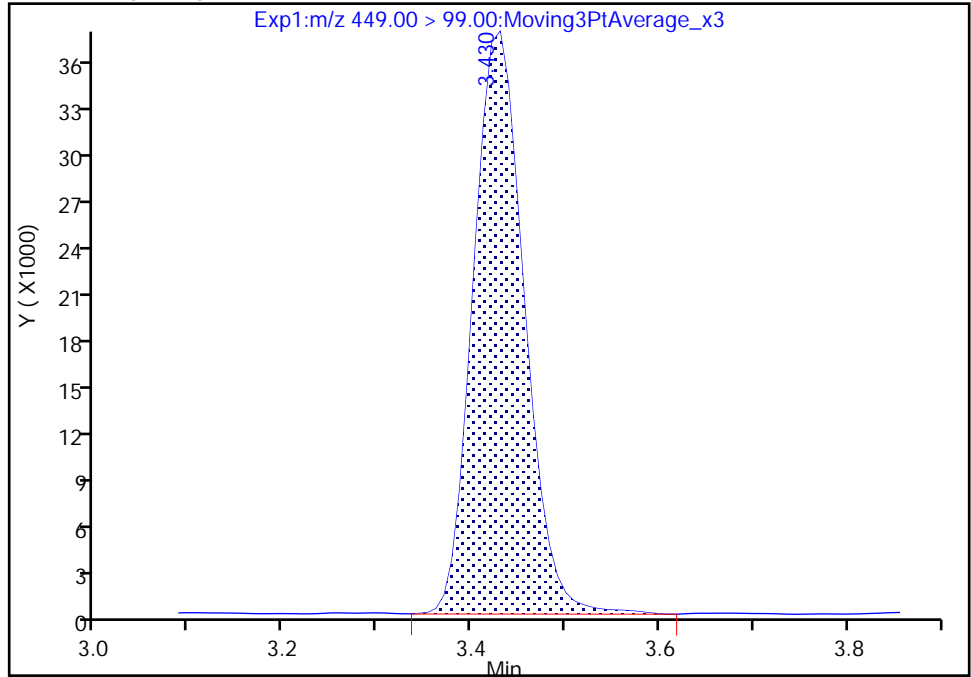
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B08.d
Injection Date: 02-Sep-2022 18:20:20 Instrument ID: LC812
Lims ID: 460-264441-A-1-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

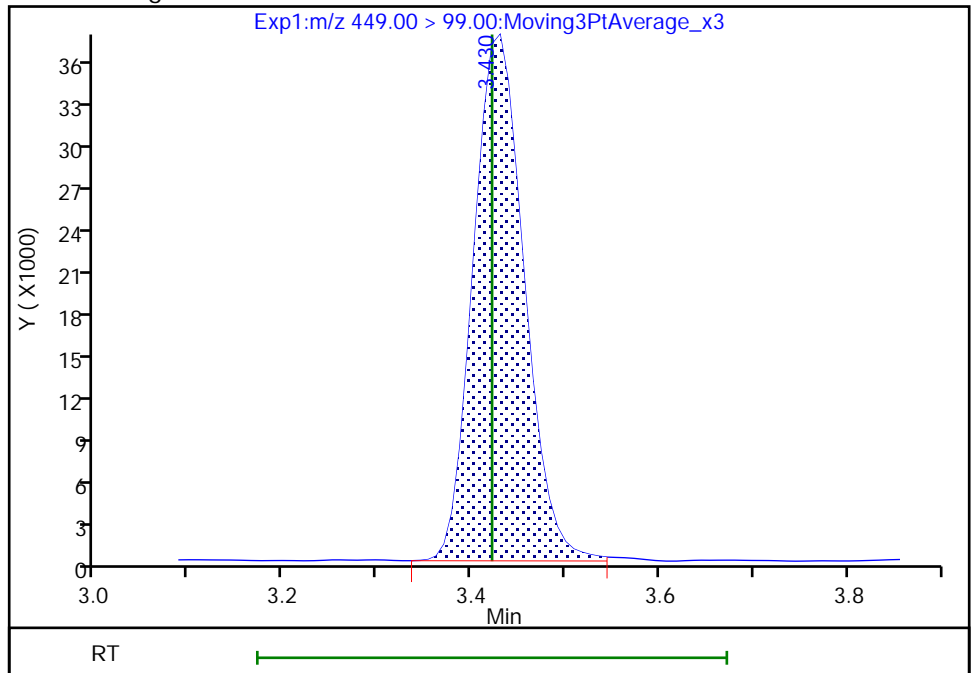
RT: 3.43
Area: 140145
Amount: 0.949792
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 139450
Amount: 0.943132
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:12:06

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

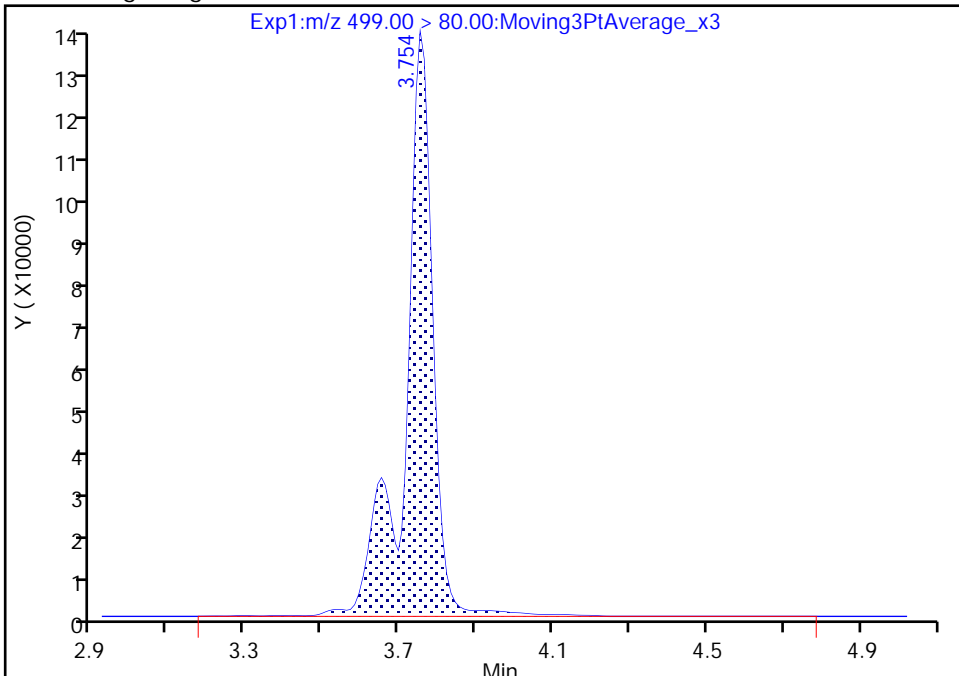
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Injection Date: 02-Sep-2022 18:20:20 Instrument ID: LC812
Lims ID: 460-264441-A-1-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

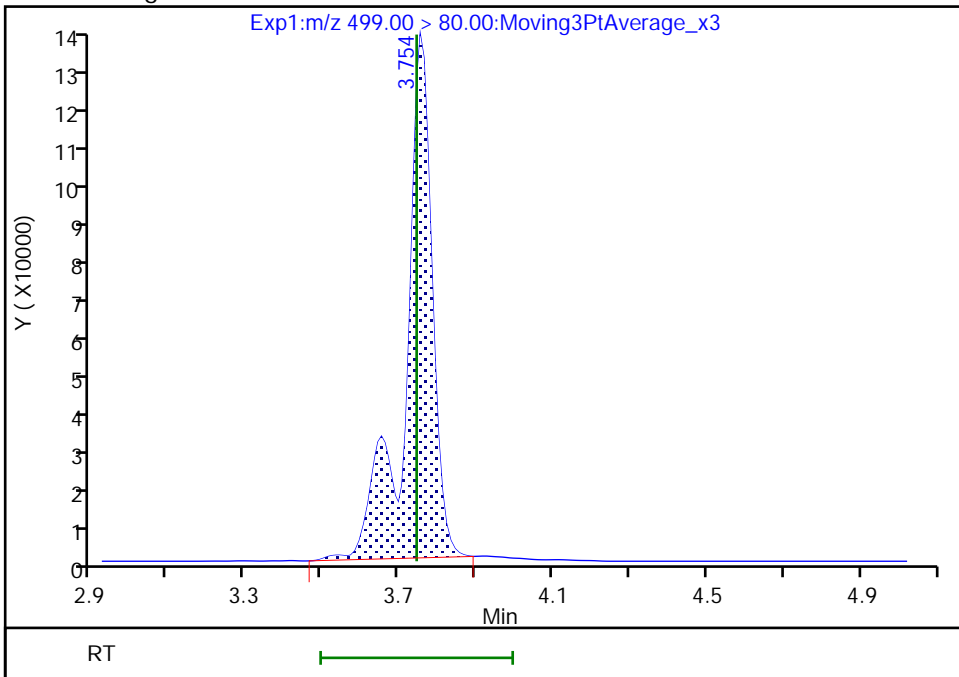
RT: 3.75
Area: 667591
Amount: 1.065959
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 637659
Amount: 1.017338
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:12:27
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

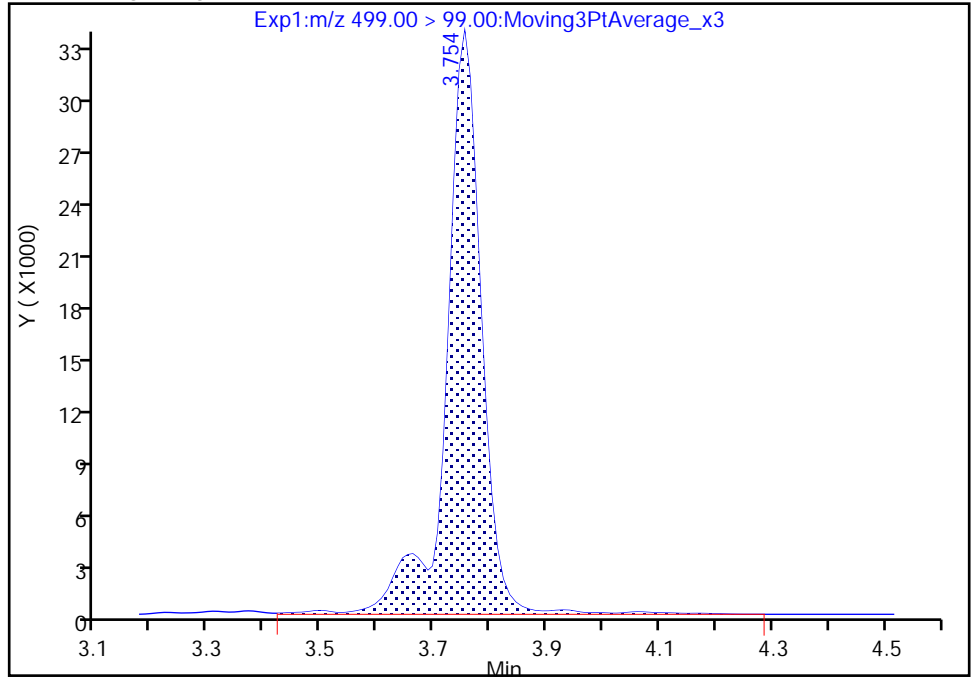
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B08.d
Injection Date: 02-Sep-2022 18:20:20 Instrument ID: LC812
Lims ID: 460-264441-A-1-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

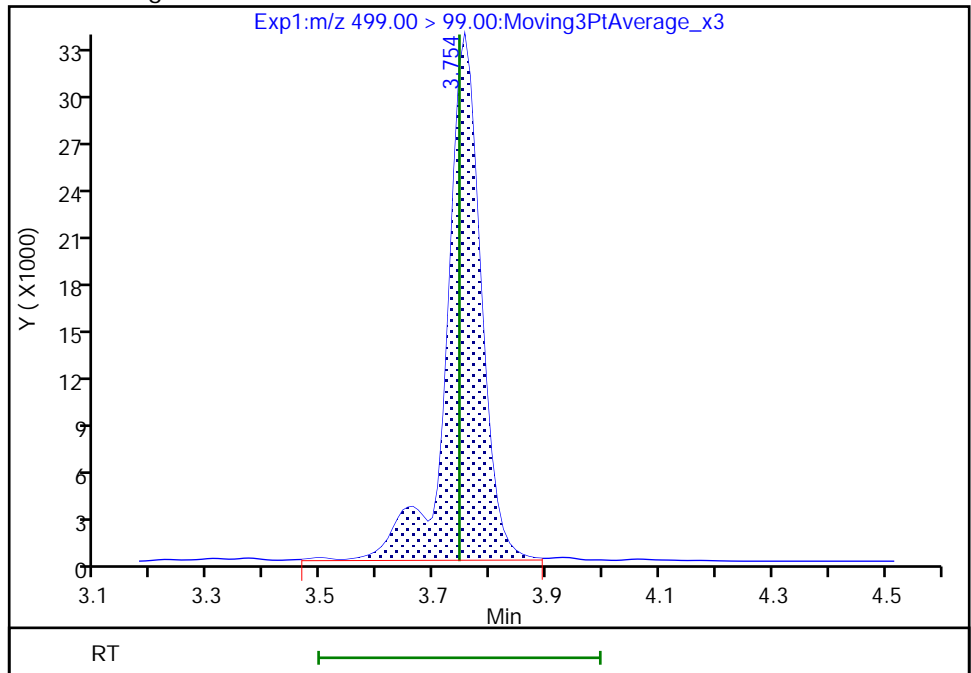
RT: 3.75
Area: 146001
Amount: 1.065959
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 142534
Amount: 1.017338
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitkw, 05-Sep-2022 10:12:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

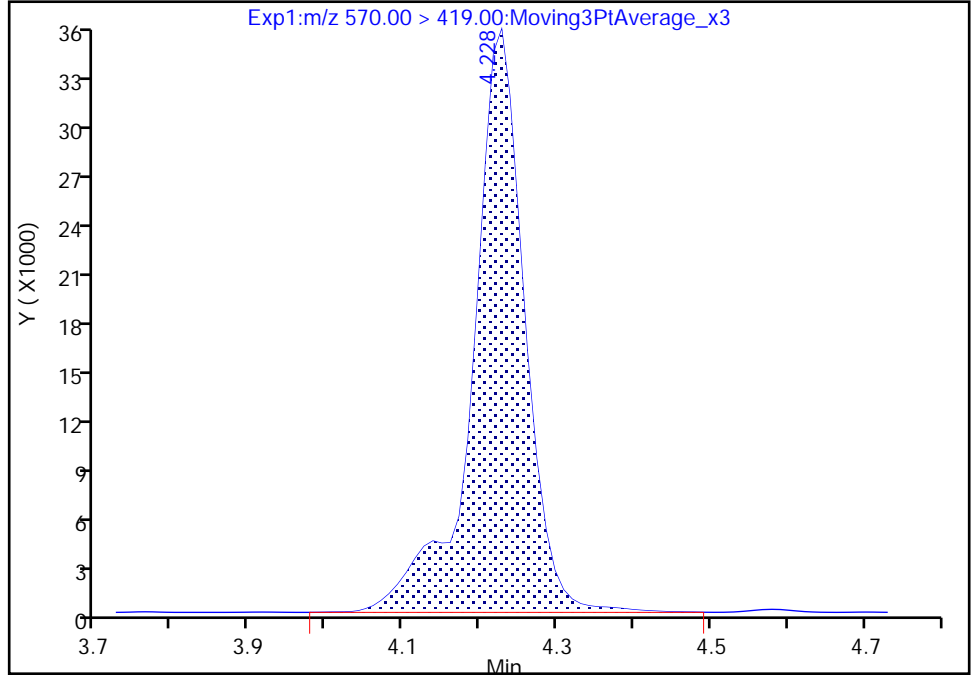
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B08.d
Injection Date: 02-Sep-2022 18:20:20 Instrument ID: LC812
Lims ID: 460-264441-A-1-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

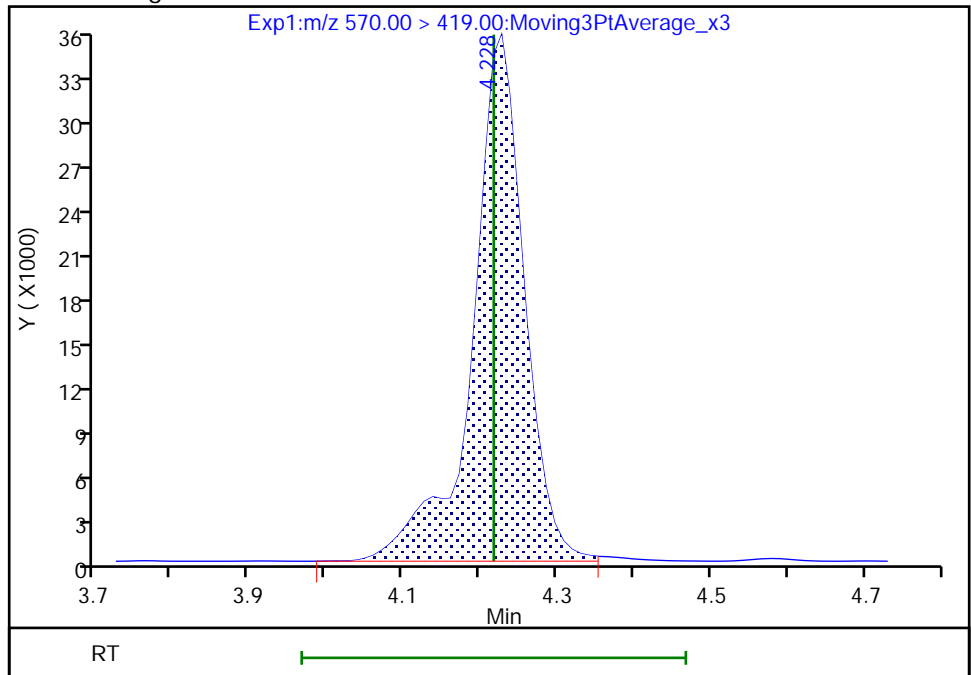
RT: 4.23
Area: 168330
Amount: 1.008983
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 167202
Amount: 1.002222
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:13:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

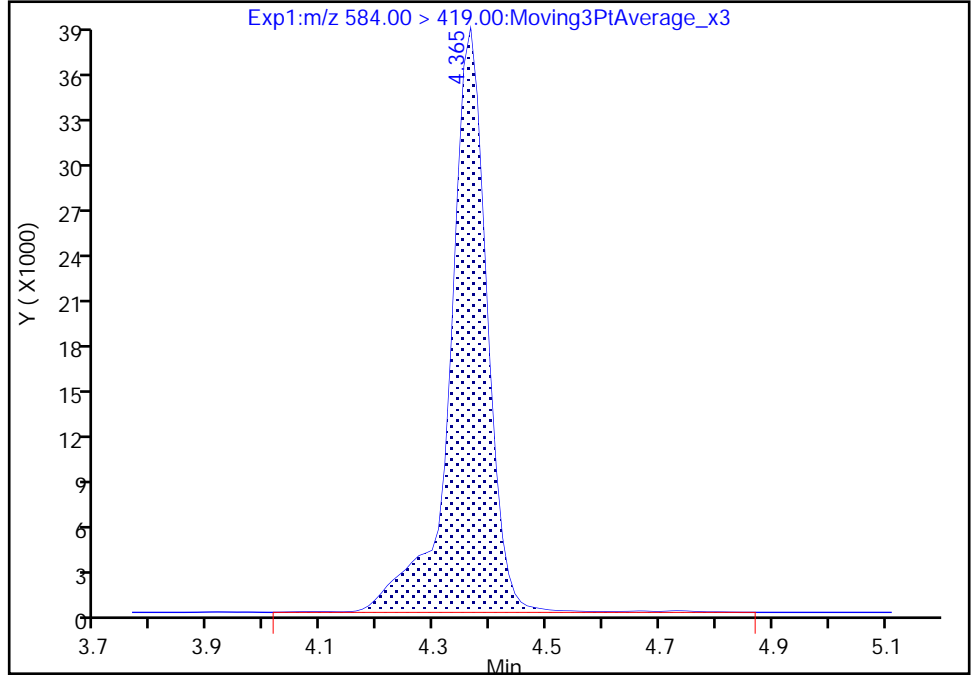
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B08.d
Injection Date: 02-Sep-2022 18:20:20 Instrument ID: LC812
Lims ID: 460-264441-A-1-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

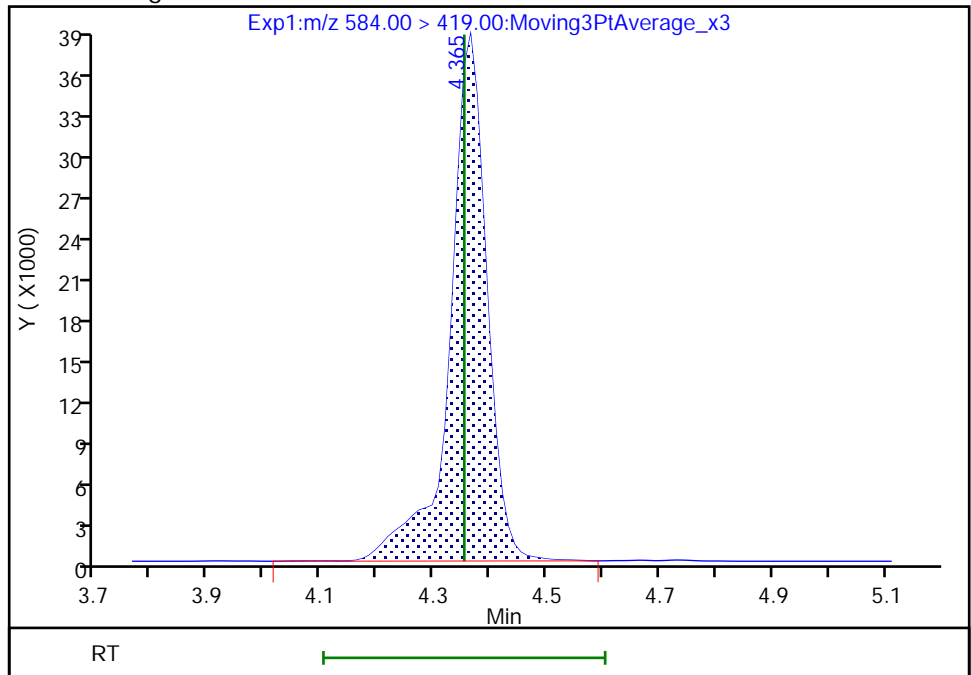
RT: 4.36
Area: 176978
Amount: 0.965777
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 175800
Amount: 0.959348
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:13:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

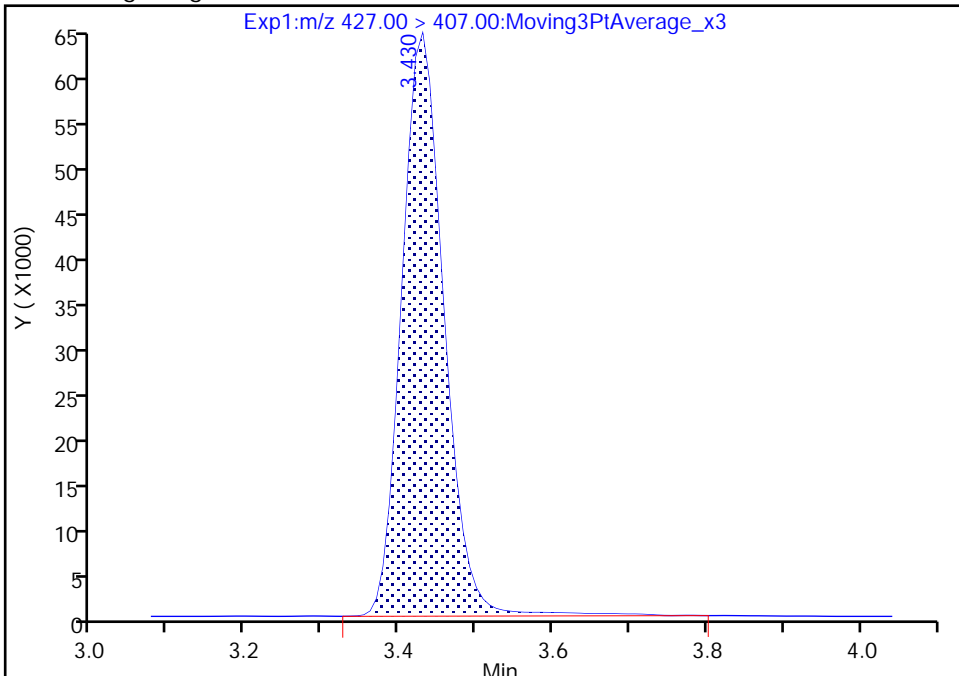
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B08.d
Injection Date: 02-Sep-2022 18:20:20 Instrument ID: LC812
Lims ID: 460-264441-A-1-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

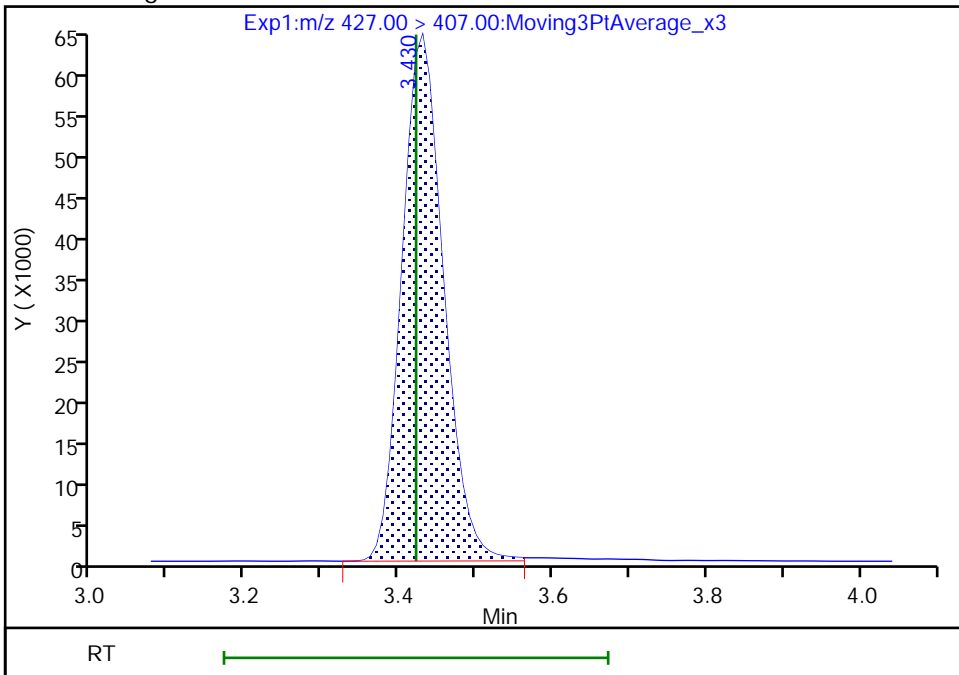
RT: 3.43
Area: 246745
Amount: 1.144519
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 244050
Amount: 1.131835
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:11:51
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

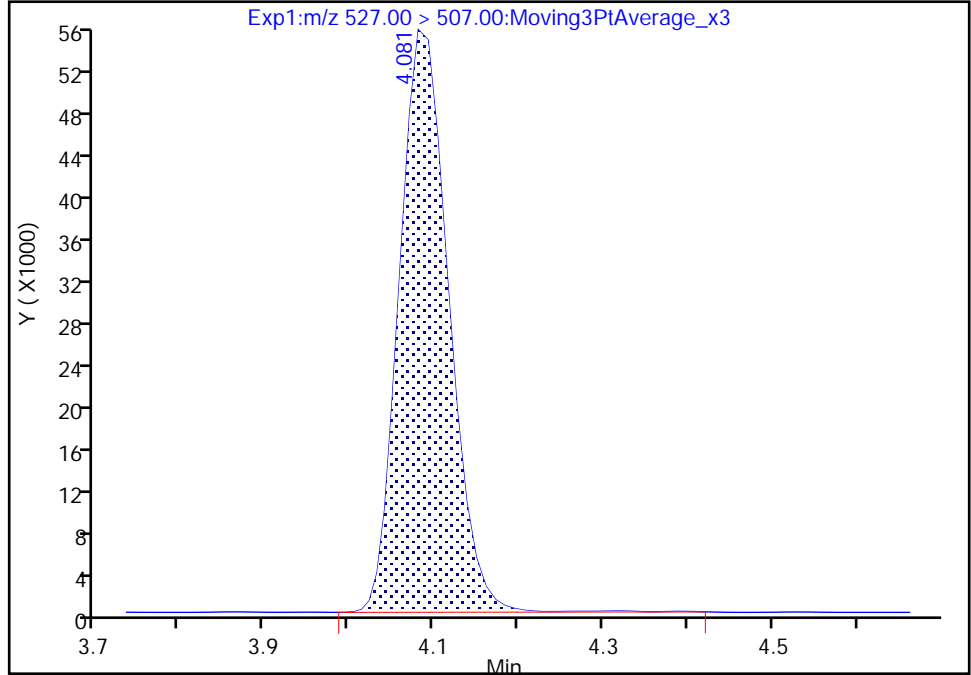
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B08.d
Injection Date: 02-Sep-2022 18:20:20 Instrument ID: LC812
Lims ID: 460-264441-A-1-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

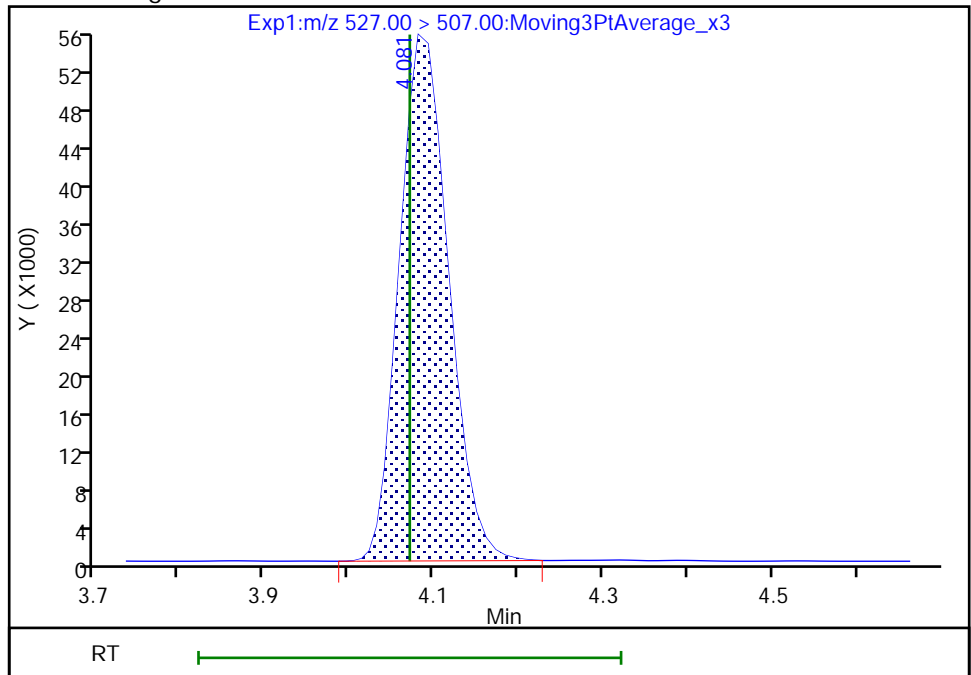
RT: 4.08
Area: 225316
Amount: 1.184920
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 224348
Amount: 1.179829
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:13:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

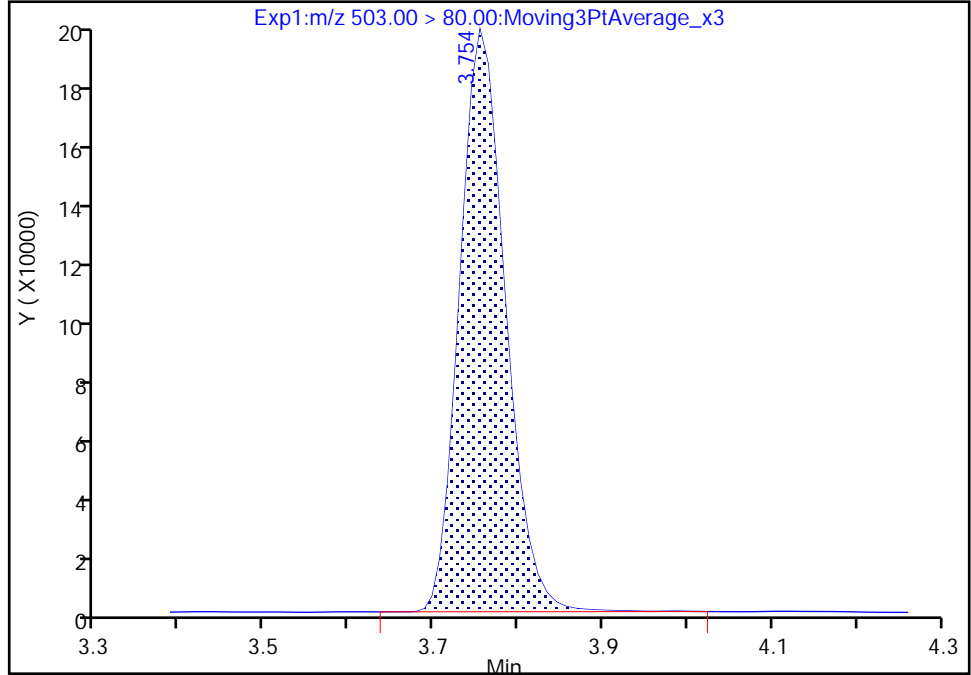
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B08.d
Injection Date: 02-Sep-2022 18:20:20 Instrument ID: LC812
Lims ID: 460-264441-A-1-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 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 18 13C4 PFOS, CAS: STL00991
Signal: 1

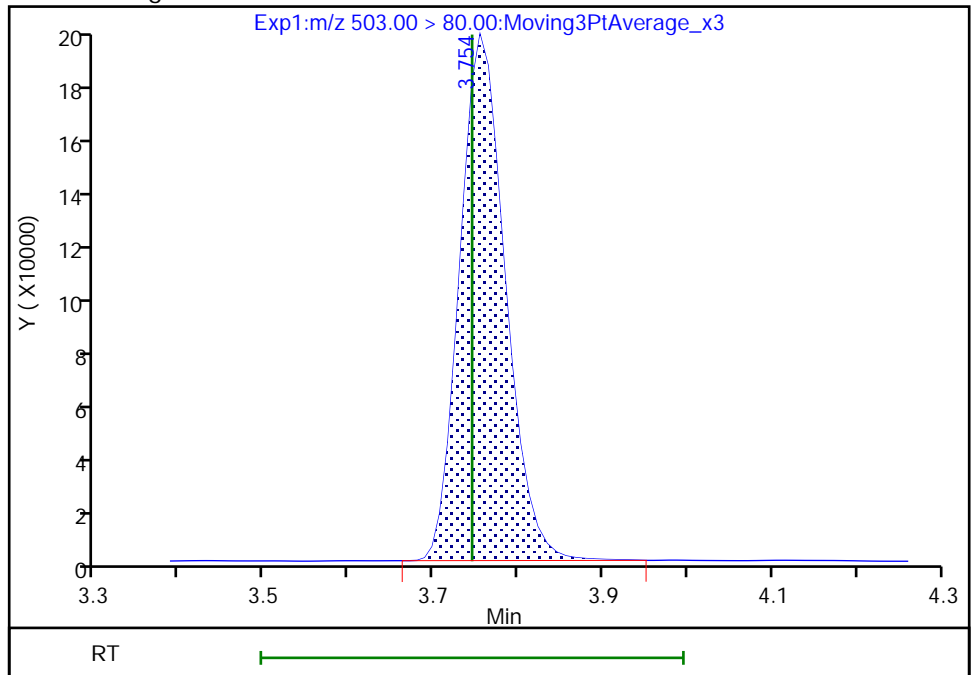
RT: 3.75
Area: 740607
Amount: 0.962616
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 739395
Amount: 0.961041
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:09:47
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

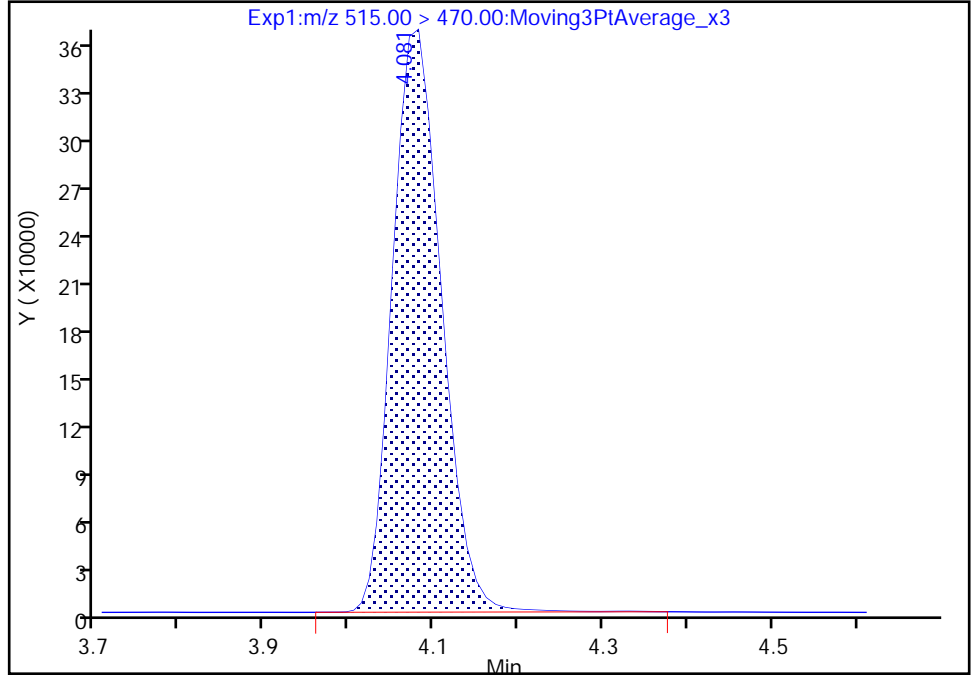
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B08.d
Injection Date: 02-Sep-2022 18:20:20 Instrument ID: LC812
Lims ID: 460-264441-A-1-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 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

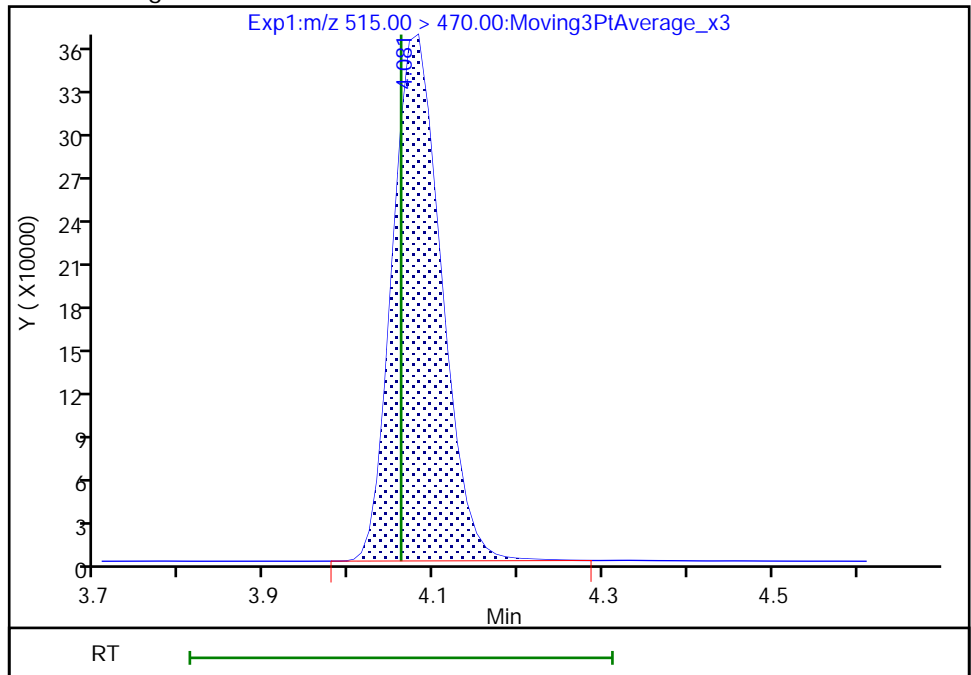
RT: 4.08
Area: 1476031
Amount: 1.087321
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 1473183
Amount: 1.085223
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:09:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

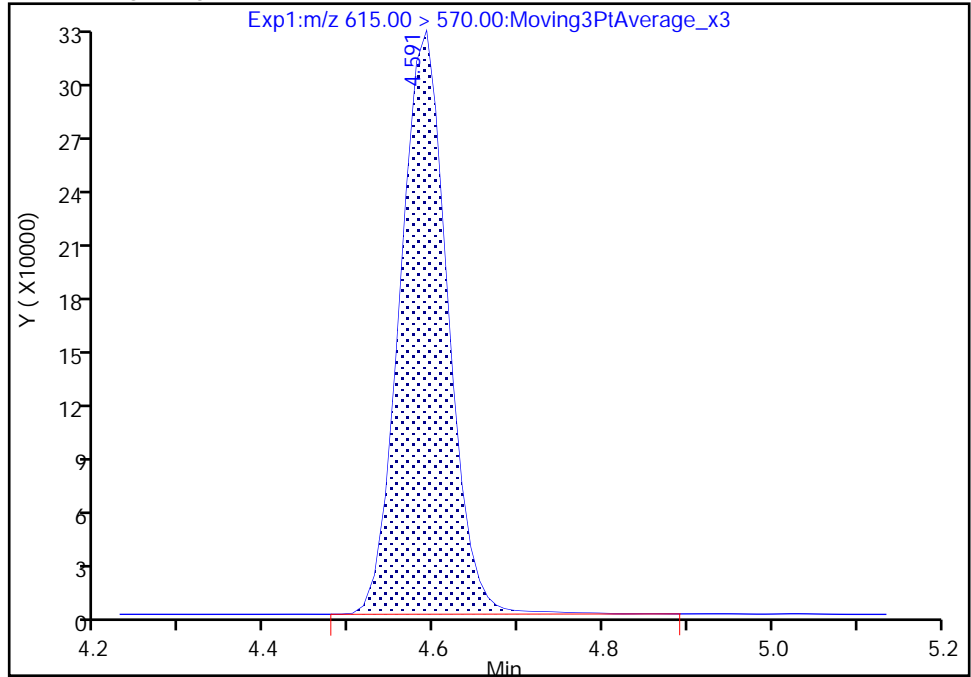
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B08.d
Injection Date: 02-Sep-2022 18:20:20 Instrument ID: LC812
Lims ID: 460-264441-A-1-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 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 36 13C2 PFD_oA, CAS: STL00998
Signal: 1

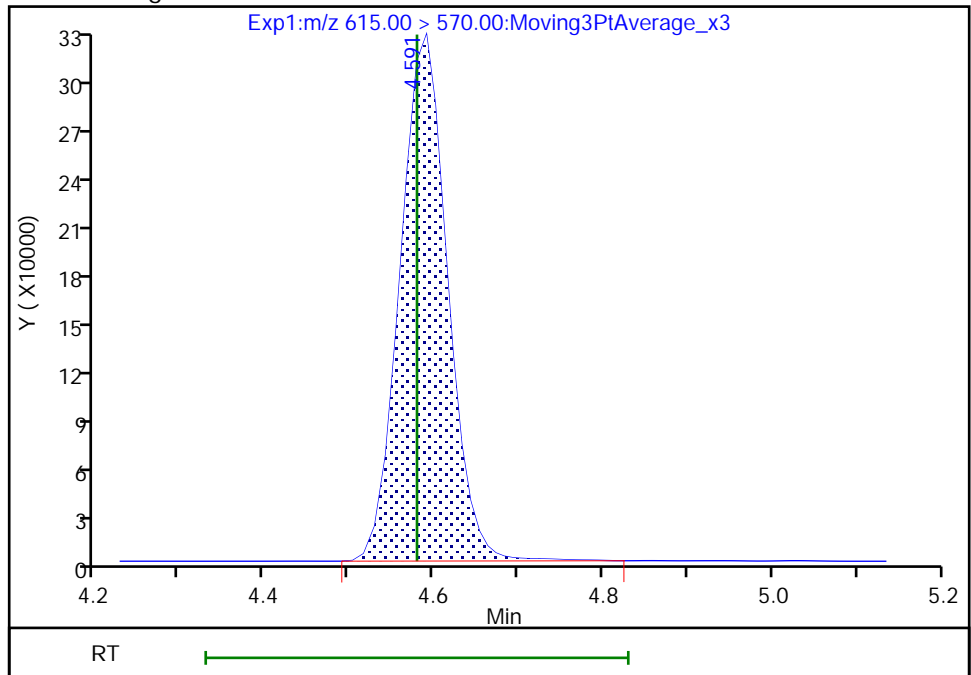
RT: 4.59
Area: 1262024
Amount: 1.184090
Amount Units: ng/ml

Processing Integration Results



RT: 4.59
Area: 1260818
Amount: 1.182958
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:10:07
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

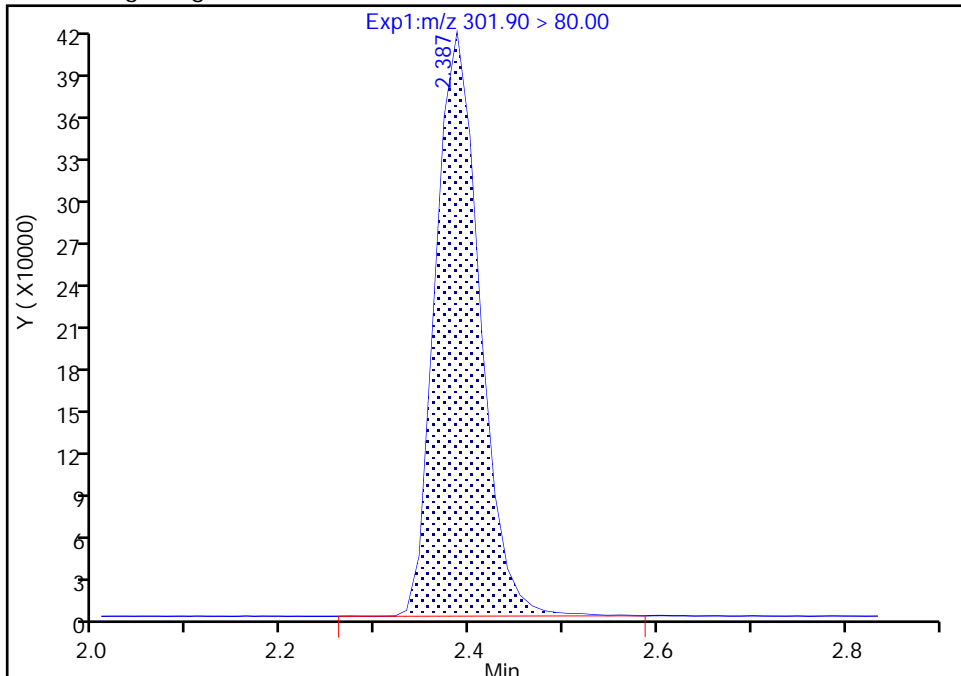
Data File: \\chromfs\Burlington\ChromData\LC812\20220902-52318.b\PA220902B08.d
Injection Date: 02-Sep-2022 18:20:20 Instrument ID: LC812
Lims ID: 460-264441-A-1-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

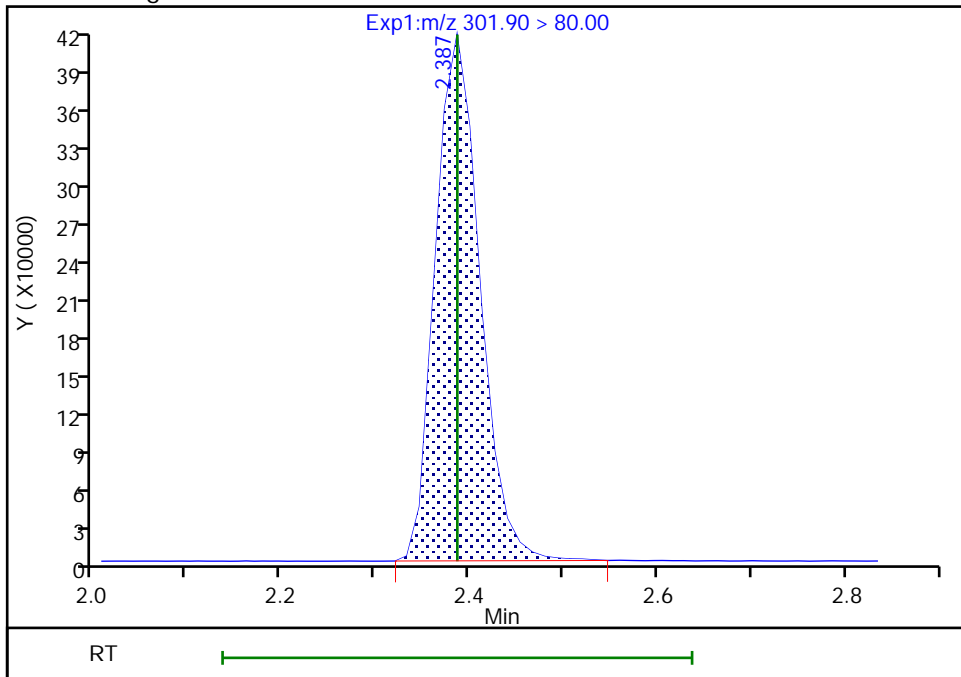
RT: 2.39
Area: 1350387
Amount: 0.921753
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 1347160
Amount: 0.919550
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Sep-2022 10:09:33
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Burlington Job No.: 460-264366-1

SDG No.: _____

Instrument ID: LC812 Start Date: 08/03/2022 12:27

Analysis Batch Number: 182319 End Date: 08/03/2022 14:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/03/2022 12:27	1		C-18 4.6 (mm)
ZZZZZ		08/03/2022 12:35	1		C-18 4.6 (mm)
ZZZZZ		08/03/2022 12:43	1		C-18 4.6 (mm)
ZZZZZ		08/03/2022 12:52	1		C-18 4.6 (mm)
IC 200-182319/5		08/03/2022 13:00	1	PA220803ICAL05.d	C-18 4.6 (mm)
IC 200-182319/6		08/03/2022 13:08	1	PA220803ICAL06.d	C-18 4.6 (mm)
IC 200-182319/7		08/03/2022 13:16	1	PA220803ICAL07.d	C-18 4.6 (mm)
ICIS 200-182319/8		08/03/2022 13:24	1	PA220803ICAL08.d	C-18 4.6 (mm)
IC 200-182319/9		08/03/2022 13:33	1	PA220803ICAL09.d	C-18 4.6 (mm)
IC 200-182319/10		08/03/2022 13:41	1	PA220803ICAL10.d	C-18 4.6 (mm)
ICB 200-182319/11		08/03/2022 13:49	1	PA220803ICAL11.d	C-18 4.6 (mm)
ICV 200-182319/12		08/03/2022 13:57	1	PA220803ICAL12.d	C-18 4.6 (mm)
ZZZZZ		08/03/2022 14:05	1		C-18 4.6 (mm)

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Burlington Job No.: 460-264366-1

SDG No.: _____

Instrument ID: LC812 Start Date: 09/02/2022 12:12

Analysis Batch Number: 183247 End Date: 09/02/2022 16:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		09/02/2022 12:12	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 12:20	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 12:28	1		C-18 4.6 (mm)
CCB 200-183247/4		09/02/2022 12:37	1	PA220902A04.d	C-18 4.6 (mm)
CCVLIS 200-183247/5		09/02/2022 12:45	1	PA220902A05.d	C-18 4.6 (mm)
ZZZZZ		09/02/2022 12:53	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 13:01	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 13:09	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 13:17	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 13:26	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 13:34	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 13:42	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 13:50	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 13:58	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 14:07	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 14:15	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 14:23	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 14:31	1		C-18 4.6 (mm)
CCV 200-183247/19		09/02/2022 14:39	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 14:47	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 14:56	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 15:04	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 15:12	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 15:20	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 15:28	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 15:36	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 15:45	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 15:53	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 16:01	1		C-18 4.6 (mm)
CCV 200-183247/30		09/02/2022 16:09	1		C-18 4.6 (mm)

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Burlington Job No.: 460-264366-1

SDG No.: _____

Instrument ID: LC812 Start Date: 09/02/2022 17:23

Analysis Batch Number: 183258 End Date: 09/02/2022 20:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 200-183258/1		09/02/2022 17:23	1	PA220902B01B.d	C-18 4.6 (mm)
MB 200-183198/1-A		09/02/2022 17:31	1	PA220902B02B.d	C-18 4.6 (mm)
LCS 200-183198/2-A		09/02/2022 17:39	1	PA220902B03B.d	C-18 4.6 (mm)
ZZZZZ		09/02/2022 17:47	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 17:55	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 18:03	1		C-18 4.6 (mm)
460-264441-A-1-B MS		09/02/2022 18:12	1	PA220902B07.d	C-18 4.6 (mm)
460-264441-A-1-C MSD		09/02/2022 18:20	1	PA220902B08.d	C-18 4.6 (mm)
ZZZZZ		09/02/2022 18:28	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 18:36	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 18:44	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 18:53	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 19:01	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 19:09	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 19:17	1		C-18 4.6 (mm)
CCV 200-183258/16		09/02/2022 19:25	1	PA220902B16.d	C-18 4.6 (mm)
ZZZZZ		09/02/2022 19:34	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 19:42	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 19:50	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 19:58	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 20:06	1		C-18 4.6 (mm)
460-264366-1	BCS-09-17 (5-5.5)P	09/02/2022 20:14	1	PA220902B22.d	C-18 4.6 (mm)
ZZZZZ		09/02/2022 20:23	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 20:31	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 20:39	1		C-18 4.6 (mm)
ZZZZZ		09/02/2022 20:47	1		C-18 4.6 (mm)
CCV 200-183258/27		09/02/2022 20:55	1	PA220902B27.d	C-18 4.6 (mm)

PFAS BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-264366-1

SDG No.: _____

Batch Number: 182319 Batch Start Date: 08/03/22 12:27 Batch Analyst: Dean, Nathan

Batch Method: 537 (modified) Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	LCPFAS28NCICV 00009	PFAS32NCBLK20 00021	PFAS32NCIC1 00013	PFAS32NCIC2 00012	PFAS32NCIC3 00014	PFAS32NCIC4 00033
IC 200-182319/5		537 (modified)				100 uL			
IC 200-182319/6		537 (modified)					100 uL		
IC 200-182319/7		537 (modified)						100 uL	
ICIS 200-182319/8		537 (modified)							100 uL
IC 200-182319/9		537 (modified)							
IC 200-182319/10		537 (modified)							
ICB 200-182319/11		537 (modified)			100 uL				
ICV 200-182319/12		537 (modified)		100 uL					

Lab Sample ID	Client Sample ID	Method Chain	Basis	PFAS32NCIC5 00028	PFAS32NCIC6 00012				
IC 200-182319/5		537 (modified)							
IC 200-182319/6		537 (modified)							
IC 200-182319/7		537 (modified)							
ICIS 200-182319/8		537 (modified)							
IC 200-182319/9		537 (modified)		100 uL					
IC 200-182319/10		537 (modified)			100 uL				
ICB 200-182319/11		537 (modified)							
ICV 200-182319/12		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.: 460-264366-1

SDG No.: _____

Batch Number: 182319 Batch Start Date: 08/03/22 12:27 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.: 460-264366-1

SDG No.: _____

Batch Number: 183198 Batch Start Date: 09/01/22 07:48 Batch Analyst: Dean, Nathan

Batch Method: SHAKE Batch End Date: 09/02/22 15:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	LCPFC32MTXStk 00046	LCPFIDA21_spk 00004	PFAS21 IS Stk 00045	
MB 200-183198/1		SHAKE, 537 (modified)		5.00 g	10 mL		100 uL	100 uL	
LCS 200-183198/2		SHAKE, 537 (modified)		5.00 g	10 mL	25 uL	100 uL	100 uL	
460-264441-A-1 MS		SHAKE, 537 (modified)	T	5.03 g	10 mL	25 uL	100 uL	100 uL	
460-264441-A-1 MSD		SHAKE, 537 (modified)	T	5.07 g	10 mL	25 uL	100 uL	100 uL	
460-264366-A-1	BCS-09-17 (5-5.5)P	SHAKE, 537 (modified)	T	5.10 g	10 mL		100 uL	100 uL	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-264366-1

SDG No.: _____

Batch Number: 183198 Batch Start Date: 09/01/22 07:48 Batch Analyst: Dean, Nathan

Batch Method: SHAKE Batch End Date: 09/02/22 15:00

Batch Notes	
Balance ID	M02926
Blank Sand Lot #	1535274
Analyst ID - Reagent Drop Witness	EK
SPE Cartridge Lot ID	Sorbent Lot: M04726/1256 Product Lot: E01686
SPE Cartridge Type	Phenomenex Strata PFAS (WAX/GCB), 500mg/50mg/6mL
Hexane ID	30% MeOH in DI Water: 1645583
Methanol ID	220056
Ammonium Hydroxide/MeOH ID	1641152
Sodium Hydroxide ID	1640352
Methanolic Potassium Hydroxide ID	1640351
Manifold ID	IDA 1, IDA 2
Acetic Acid ID	1453517
pH Indicator ID	234921U
Pipette/Syringe/Dispenser ID	QH777727
Analyst ID - IS Reagent Drop	EK
Analyst ID - IS Reagent Drop Witness	NDD
Internal Standard ID	1636756
Analyst ID - Aliquot Step	NDD
Analyst ID - Final Volume Step	NDD
Sonication Start Time	09/01/2022 09:15
Sonication Stop Time	09/01/2022 12:15
Centrifuge Tube ID	352070
QC Bottle Lot ID	LOT0400401G
Batch Comment	IDA:B MTX:H IS:

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.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-264366-1

SDG No.: _____

Batch Number: 183247 Batch Start Date: 09/02/22 12:12 Batch Analyst: Chirgwin, Bradley W

Batch Method: 537 (modified) Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	PFAS32NCBLK20 00021	PFAS32NCLOQV 00022			
CCB 200-183247/4		537 (modified)		1 mL	100 uL				
CCVLIS 200-183247/5		537 (modified)		1 mL		100 uL			

Batch Notes	

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)

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins Burlington Job Number: 460-264366-1

SDG No.: _____

Project: Taconic Inwood Lot 9

Client Sample ID
BCS-09-17 (5-5.5)P

Lab Sample ID
460-264366-1

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Burlington

Job Number: 460-264366-1

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: 460-264366-1

Batch: 183202
Method: Moisture

Analyst Initials: RWM
Instrument: No Equipment

Lab Sample ID: 460-264523-A-22 DU

Analysis Date: Sep 01, 2022 14:25

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	83.8709677419355	%

Lab Sample ID: 460-264366-A-1

Analysis Date: Sep 01, 2022 14:25

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	87.2596153846154	%

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-264366-1

SDG No.: _____

Batch Number: 183202 Batch Start Date: 09/01/22 14:25 Batch Analyst: McNabb, Robert W

Batch Method: Moisture Batch End Date: 09/02/22 09:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry	%_Moisture	%_Solid	
460-264523-A-22 DU		Moisture	T	1.00 g	9.99 g	8.54 g	16.129032258064 5 %	83.870967741935 5 %	
460-264366-A-1	BCS-09-17 (5-5.5)P	Moisture	T	1.00 g	9.32 g	8.26 g	12.740384615384 6 %	87.259615384615 4 %	

Batch Notes	
Balance ID	L92017
Oven ID	WC OVEN #2
Thermometer ID	328 (CF=0)
Date samples were placed in the oven	09/01/2022
Time samples were place in the oven	14:25
Temperature - Start - Uncorrected	107 Degrees C
Oven Temp In	107 Degrees C
Date samples were removed from oven	09/02/2022
Time Samples were removed from oven	09:17
Temperature - End - Uncorrected	107 Degrees C
Oven Temp Out	107 Degrees C
Date and Time Samples in Desiccator	09/02/2022 09:17
Date and Time Samples out of Desiccator	09/02/2022 09:32

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

Chain of Custody Record

264366

Client Information		Sampler: Jack Ruk		Lab PM: Haas, Melissa		Carrier Tracking No(s):	
Client Contact: Ms. Valerie Sabatasso		Phone: 245 905 6281		E-Mail: Melissa.Haas@et.eurofins.com		State of Origin: NY	
Company: Roux Environmental Eng & Geology DPC		PWSID:		Analysis Requested		COC No:	
Address: 209 Shafter St		Due Date Requested:		Field Filtered Sample (Yes or No)		Total Number of Containers	
City: Islandia		TAT Requested (days): 5 DAYS		Perform MS/MSD (Yes or No)		Preservation Codes:	
State, Zip: NY, 11749		Compliance Project: Δ Yes Δ No		Field Filtered Sample (Yes or No)		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Phone:		PO #: 2477.0008Y00 2		Sample Date		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Email: vsabatasso@rouxinc.com		WO #: 410 W 207th St, New York, NY		Sample Time		Special Instructions/Note:	
Project Name: Taconic Inwood		Project #: 46026799		Sample Type (C=comp, G=grab)		1	
Site: Lot 9		SSOW#:		Preservation Code: G S		X	
Sample Identification		BCS-09-17(5-5.5)P		Matrix (W=water, S=solid, O=unknown)		X	
				Date/Time		8/24/22 1005	
				Barcode		460-264366 Chain of Custody	
				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For <input type="checkbox"/> Months	
				Special Instructions/QC Requirements:		NY CAT B	
Possible Hazard Identification		Date/Time: 8/24/22 1530		Company: Fox		Received by: [Signature]	
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Date/Time:		Company:		Received by: [Signature]	
Deliverable Requested: I, II, III, IV, Other (specify)		Date/Time: 8/24/22 1005		Company: [Signature]		Received by: [Signature]	
Empty Kit Relinquished by:		Date:		Company:		Received by: [Signature]	
Relinquished by: [Signature]		Date: 8/24/22 1530		Company: Fox		Received by: [Signature]	
Relinquished by: [Signature]		Date/Time:		Company:		Received by: [Signature]	
Relinquished by: [Signature]		Date/Time: 8/24/22 1005		Company: [Signature]		Received by: [Signature]	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		8/24/22 1900	

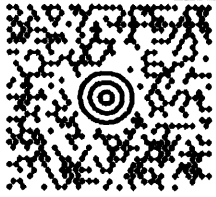
16 20 DR 09

KENNETH RIVERA
9083615236
EUROFINS EDISON
777 NEW DURHAM ROAD
EDISON NJ 08817

50 LBS

2 OF 2

SHIP TO:
SAMPLE RECEIVING
8026551203
EUROFINS BURLINGTON
530 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403



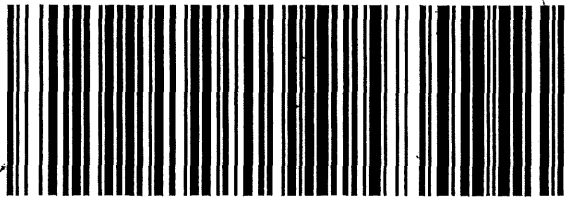
VT 054 0-02



UPS NEXT DAY AIR

TRACKING #: 1Z 73R 91R 01 9566 8460

1



BILLING: P/P



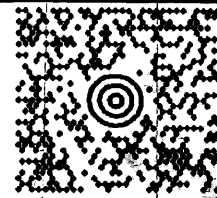
XOL 22.08.10 NV45 36.0A 08/2022*

KENNETH RIVERA
9083615236
EUROFINS EDISON
777 NEW DURHAM ROAD
EDISON NJ 08817

50 LBS

1 OF 2

SHIP TO:
SAMPLE RECEIVING
8026551203
EUROFINS BURLINGTON
530 COMMUNITY DRIVE
SOUTH BURLINGTON VT 05403



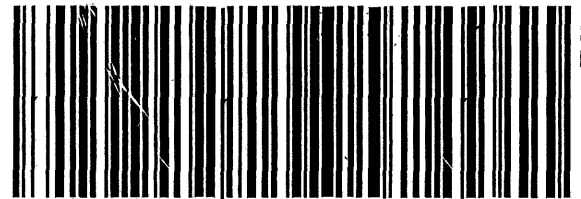
VT 054 0-02



UPS NEXT DAY AIR

TRACKING #: 1Z 73R 91R 01 9702 5258

1



BILLING: P/P



XOL 22.08.10 NV45 36.0A 08/2022*

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-264366-1

Login Number: 264366

List Source: Eurofins Edison

List Number: 1

Creator: Khlungprakhon, Sukanya

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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 $<6\text{mm}$ (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: 460-264366-1

Login Number: 264366
List Number: 2
Creator: Cunningham, Caroline R

List Source: Eurofins Burlington
List Creation: 08/30/22 04:10 PM

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	1501880, -881
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	2.4°C, 3.4°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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	