

 ANALYTICAL REPORT**PREPARED FOR**

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JOB DESCRIPTION

Inwood - Lot 21

JOB NUMBER

460-271302-1

Eurofins Edison

Job Notes

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Authorization



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CASE NARRATIVE

Client: Roux Environmental Eng & Geology DPC

Project: Inwood - Lot 21

Report Number: 460-271302-1

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

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

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

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

RECEIPT

The samples were received on 12/13/2022 7:30 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.6° C.

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

PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS)

Samples BCS-21-13_(13-13.5)P (460-271302-1), BCS-21-14_(13-13.5)P (460-271302-2), BCS-21-15_(13-13.5)P (460-271302-3) and BCS-21-16_(13-13.5)P (460-271302-4) were analyzed for Per- and Polyfluoroalkyl Substances (PFAS) in accordance with PFC-IDA - 537 (modified). The samples were prepared on 12/16/2022 and analyzed on 12/19/2022.

No difficulties were encountered during the PFAS analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples BCS-21-13_(13-13.5)P (460-271302-1), BCS-21-14_(13-13.5)P (460-271302-2), BCS-21-15_(13-13.5)P (460-271302-3) and BCS-21-16_(13-13.5)P (460-271302-4) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 12/20/2022.

The following sample has a percent solid content between 30% and 50%: BCS-21-14_(13-13.5)P (460-271302-2)

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

All quality control parameters were within the acceptance limits.

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Inwood - Lot 21

Job ID: 460-271302-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-271302-1	BCS-21-13_(13-13.5)P	Solid	12/13/22 13:25	12/13/22 19:30
460-271302-2	BCS-21-14_(13-13.5)P	Solid	12/13/22 13:35	12/13/22 19:30
460-271302-3	BCS-21-15_(13-13.5)P	Solid	12/13/22 13:45	12/13/22 19:30
460-271302-4	BCS-21-16_(13-13.5)P	Solid	12/13/22 13:55	12/13/22 19:30

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Inwood - Lot 21

Job ID: 460-271302-1

Client Sample ID: BCS-21-13_(13-13.5)P

Lab Sample ID: 460-271302-1

☐ No Detections.

Client Sample ID: BCS-21-14_(13-13.5)P

Lab Sample ID: 460-271302-2

☐ No Detections.

Client Sample ID: BCS-21-15_(13-13.5)P

Lab Sample ID: 460-271302-3

☐ No Detections.

Client Sample ID: BCS-21-16_(13-13.5)P

Lab Sample ID: 460-271302-4

☐ No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Inwood - Lot 21

Job ID: 460-271302-1

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

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Client Sample Results

Client: Roux Environmental Eng & Geology DPC
Project/Site: Inwood - Lot 21

Job ID: 460-271302-1

Client Sample ID: BCS-21-13_(13-13.5)P

Lab Sample ID: 460-271302-1

Date Collected: 12/13/22 13:25

Matrix: Solid

Date Received: 12/13/22 19:30

Percent Solids: 73.2

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.67	U	0.67	0.44	ug/Kg	☼	12/16/22 16:11	12/19/22 20:22	1
Perfluoropentanoic acid (PFPeA)	0.27	U	0.27	0.074	ug/Kg	☼	12/16/22 16:11	12/19/22 20:22	1
Perfluorohexanoic acid (PFHxA)	0.27	U	0.27	0.062	ug/Kg	☼	12/16/22 16:11	12/19/22 20:22	1
Perfluoroheptanoic acid (PFHpA)	0.27	U	0.27	0.052	ug/Kg	☼	12/16/22 16:11	12/19/22 20:22	1
Perfluorooctanoic acid (PFOA)	0.27	U	0.27	0.078	ug/Kg	☼	12/16/22 16:11	12/19/22 20:22	1
Perfluorononanoic acid (PFNA)	0.27	U	0.27	0.046	ug/Kg	☼	12/16/22 16:11	12/19/22 20:22	1
Perfluorodecanoic acid (PFDA)	0.27	U	0.27	0.037	ug/Kg	☼	12/16/22 16:11	12/19/22 20:22	1
Perfluoroundecanoic acid (PFUnA)	0.27	U	0.27	0.036	ug/Kg	☼	12/16/22 16:11	12/19/22 20:22	1
Perfluorododecanoic acid (PFDoA)	0.27	U	0.27	0.033	ug/Kg	☼	12/16/22 16:11	12/19/22 20:22	1
Perfluorotridecanoic acid (PFTriA)	0.27	U	0.27	0.033	ug/Kg	☼	12/16/22 16:11	12/19/22 20:22	1
Perfluorotetradecanoic acid (PFTeA)	0.27	U	0.27	0.035	ug/Kg	☼	12/16/22 16:11	12/19/22 20:22	1
Perfluorobutanesulfonic acid (PFBS)	0.27	U	0.27	0.044	ug/Kg	☼	12/16/22 16:11	12/19/22 20:22	1
Perfluorohexanesulfonic acid (PFHxS)	0.27	U	0.27	0.055	ug/Kg	☼	12/16/22 16:11	12/19/22 20:22	1
Perfluoroheptanesulfonic acid (PFHpS)	0.27	U	0.27	0.031	ug/Kg	☼	12/16/22 16:11	12/19/22 20:22	1
Perfluorooctanesulfonic acid (PFOS)	0.27	U	0.27	0.15	ug/Kg	☼	12/16/22 16:11	12/19/22 20:22	1
Perfluorodecanesulfonic acid (PFDS)	0.27	U	0.27	0.025	ug/Kg	☼	12/16/22 16:11	12/19/22 20:22	1
Perfluorooctanesulfonamide (FOSA)	0.27	U	0.27	0.046	ug/Kg	☼	12/16/22 16:11	12/19/22 20:22	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.68	U	2.68	0.15	ug/Kg	☼	12/16/22 16:11	12/19/22 20:22	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.68	U	2.68	0.11	ug/Kg	☼	12/16/22 16:11	12/19/22 20:22	1
6:2 FTS	2.68	U	2.68	0.076	ug/Kg	☼	12/16/22 16:11	12/19/22 20:22	1
8:2 FTS	2.68	U	2.68	0.050	ug/Kg	☼	12/16/22 16:11	12/19/22 20:22	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	85		50 - 150	12/16/22 16:11	12/19/22 20:22	1
13C4 PFHpA	86		50 - 150	12/16/22 16:11	12/19/22 20:22	1
13C4 PFOA	89		50 - 150	12/16/22 16:11	12/19/22 20:22	1
13C4 PFOS	81		50 - 150	12/16/22 16:11	12/19/22 20:22	1
13C5 PFNA	90		50 - 150	12/16/22 16:11	12/19/22 20:22	1
13C4 PFBA	85		50 - 150	12/16/22 16:11	12/19/22 20:22	1
13C2 PFHxA	89		50 - 150	12/16/22 16:11	12/19/22 20:22	1
13C2 PFDA	100		50 - 150	12/16/22 16:11	12/19/22 20:22	1
13C2 PFUnA	99		50 - 150	12/16/22 16:11	12/19/22 20:22	1
13C2 PFDoA	92		50 - 150	12/16/22 16:11	12/19/22 20:22	1
13C8 FOSA	76		50 - 150	12/16/22 16:11	12/19/22 20:22	1
13C5 PFPeA	83		50 - 150	12/16/22 16:11	12/19/22 20:22	1
13C2 PFTeDA	102		50 - 150	12/16/22 16:11	12/19/22 20:22	1
d3-NMeFOSAA	85		50 - 150	12/16/22 16:11	12/19/22 20:22	1
d5-NEtFOSAA	108		50 - 150	12/16/22 16:11	12/19/22 20:22	1
M2-6:2 FTS	97		50 - 150	12/16/22 16:11	12/19/22 20:22	1
M2-8:2 FTS	122		50 - 150	12/16/22 16:11	12/19/22 20:22	1
13C3 PFBS	84		50 - 150	12/16/22 16:11	12/19/22 20:22	1

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Client Sample Results

Client: Roux Environmental Eng & Geology DPC
Project/Site: Inwood - Lot 21

Job ID: 460-271302-1

Client Sample ID: BCS-21-14_(13-13.5)P

Lab Sample ID: 460-271302-2

Date Collected: 12/13/22 13:35

Matrix: Solid

Date Received: 12/13/22 19:30

Percent Solids: 34.5

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	1.45	U	1.45	0.95	ug/Kg	☼	12/16/22 16:11	12/19/22 20:31	1
Perfluoropentanoic acid (PFPeA)	0.58	U	0.58	0.16	ug/Kg	☼	12/16/22 16:11	12/19/22 20:31	1
Perfluorohexanoic acid (PFHxA)	0.58	U	0.58	0.13	ug/Kg	☼	12/16/22 16:11	12/19/22 20:31	1
Perfluoroheptanoic acid (PFHpA)	0.58	U	0.58	0.11	ug/Kg	☼	12/16/22 16:11	12/19/22 20:31	1
Perfluorooctanoic acid (PFOA)	0.58	U	0.58	0.17	ug/Kg	☼	12/16/22 16:11	12/19/22 20:31	1
Perfluorononanoic acid (PFNA)	0.58	U	0.58	0.098	ug/Kg	☼	12/16/22 16:11	12/19/22 20:31	1
Perfluorodecanoic acid (PFDA)	0.58	U	0.58	0.081	ug/Kg	☼	12/16/22 16:11	12/19/22 20:31	1
Perfluoroundecanoic acid (PFUnA)	0.58	U	0.58	0.078	ug/Kg	☼	12/16/22 16:11	12/19/22 20:31	1
Perfluorododecanoic acid (PFDoA)	0.58	U	0.58	0.072	ug/Kg	☼	12/16/22 16:11	12/19/22 20:31	1
Perfluorotridecanoic acid (PFTriA)	0.58	U	0.58	0.072	ug/Kg	☼	12/16/22 16:11	12/19/22 20:31	1
Perfluorotetradecanoic acid (PFTeA)	0.58	U	0.58	0.075	ug/Kg	☼	12/16/22 16:11	12/19/22 20:31	1
Perfluorobutanesulfonic acid (PFBS)	0.58	U	0.58	0.095	ug/Kg	☼	12/16/22 16:11	12/19/22 20:31	1
Perfluorohexanesulfonic acid (PFHxS)	0.58	U	0.58	0.12	ug/Kg	☼	12/16/22 16:11	12/19/22 20:31	1
Perfluoroheptanesulfonic acid (PFHpS)	0.58	U	0.58	0.067	ug/Kg	☼	12/16/22 16:11	12/19/22 20:31	1
Perfluorooctanesulfonic acid (PFOS)	0.58	U	0.58	0.32	ug/Kg	☼	12/16/22 16:11	12/19/22 20:31	1
Perfluorodecanesulfonic acid (PFDS)	0.58	U	0.58	0.055	ug/Kg	☼	12/16/22 16:11	12/19/22 20:31	1
Perfluorooctanesulfonamide (FOSA)	0.58	U	0.58	0.098	ug/Kg	☼	12/16/22 16:11	12/19/22 20:31	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	5.78	U	5.78	0.32	ug/Kg	☼	12/16/22 16:11	12/19/22 20:31	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	5.78	U	5.78	0.24	ug/Kg	☼	12/16/22 16:11	12/19/22 20:31	1
6:2 FTS	5.78	U	5.78	0.16	ug/Kg	☼	12/16/22 16:11	12/19/22 20:31	1
8:2 FTS	5.78	U	5.78	0.11	ug/Kg	☼	12/16/22 16:11	12/19/22 20:31	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	73		50 - 150	12/16/22 16:11	12/19/22 20:31	1
13C4 PFHpA	73		50 - 150	12/16/22 16:11	12/19/22 20:31	1
13C4 PFOA	74		50 - 150	12/16/22 16:11	12/19/22 20:31	1
13C4 PFOS	72		50 - 150	12/16/22 16:11	12/19/22 20:31	1
13C5 PFNA	77		50 - 150	12/16/22 16:11	12/19/22 20:31	1
13C4 PFBA	72		50 - 150	12/16/22 16:11	12/19/22 20:31	1
13C2 PFHxA	80		50 - 150	12/16/22 16:11	12/19/22 20:31	1
13C2 PFDA	83		50 - 150	12/16/22 16:11	12/19/22 20:31	1
13C2 PFUnA	85		50 - 150	12/16/22 16:11	12/19/22 20:31	1
13C2 PFDoA	79		50 - 150	12/16/22 16:11	12/19/22 20:31	1
13C8 FOSA	64		50 - 150	12/16/22 16:11	12/19/22 20:31	1
13C5 PFPeA	77		50 - 150	12/16/22 16:11	12/19/22 20:31	1
13C2 PFTeA	77		50 - 150	12/16/22 16:11	12/19/22 20:31	1
d3-NMeFOSAA	67		50 - 150	12/16/22 16:11	12/19/22 20:31	1
d5-NEtFOSAA	85		50 - 150	12/16/22 16:11	12/19/22 20:31	1
M2-6:2 FTS	88		50 - 150	12/16/22 16:11	12/19/22 20:31	1
M2-8:2 FTS	103		50 - 150	12/16/22 16:11	12/19/22 20:31	1
13C3 PFBS	73		50 - 150	12/16/22 16:11	12/19/22 20:31	1

Eurofins Edison

Client Sample Results

Client: Roux Environmental Eng & Geology DPC
Project/Site: Inwood - Lot 21

Job ID: 460-271302-1

Client Sample ID: BCS-21-15_(13-13.5)P

Lab Sample ID: 460-271302-3

Date Collected: 12/13/22 13:45

Matrix: Solid

Date Received: 12/13/22 19:30

Percent Solids: 74.1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.64	U	0.64	0.42	ug/Kg	☼	12/16/22 16:11	12/19/22 20:39	1
Perfluoropentanoic acid (PFPeA)	0.26	U	0.26	0.071	ug/Kg	☼	12/16/22 16:11	12/19/22 20:39	1
Perfluorohexanoic acid (PFHxA)	0.26	U	0.26	0.059	ug/Kg	☼	12/16/22 16:11	12/19/22 20:39	1
Perfluoroheptanoic acid (PFHpA)	0.26	U	0.26	0.050	ug/Kg	☼	12/16/22 16:11	12/19/22 20:39	1
Perfluorooctanoic acid (PFOA)	0.26	U	0.26	0.075	ug/Kg	☼	12/16/22 16:11	12/19/22 20:39	1
Perfluorononanoic acid (PFNA)	0.26	U	0.26	0.044	ug/Kg	☼	12/16/22 16:11	12/19/22 20:39	1
Perfluorodecanoic acid (PFDA)	0.26	U	0.26	0.036	ug/Kg	☼	12/16/22 16:11	12/19/22 20:39	1
Perfluoroundecanoic acid (PFUnA)	0.26	U	0.26	0.035	ug/Kg	☼	12/16/22 16:11	12/19/22 20:39	1
Perfluorododecanoic acid (PFDoA)	0.26	U	0.26	0.032	ug/Kg	☼	12/16/22 16:11	12/19/22 20:39	1
Perfluorotridecanoic acid (PFTriA)	0.26	U	0.26	0.032	ug/Kg	☼	12/16/22 16:11	12/19/22 20:39	1
Perfluorotetradecanoic acid (PFTeA)	0.26	U	0.26	0.033	ug/Kg	☼	12/16/22 16:11	12/19/22 20:39	1
Perfluorobutanesulfonic acid (PFBS)	0.26	U	0.26	0.042	ug/Kg	☼	12/16/22 16:11	12/19/22 20:39	1
Perfluorohexanesulfonic acid (PFHxS)	0.26	U	0.26	0.053	ug/Kg	☼	12/16/22 16:11	12/19/22 20:39	1
Perfluoroheptanesulfonic acid (PFHpS)	0.26	U	0.26	0.030	ug/Kg	☼	12/16/22 16:11	12/19/22 20:39	1
Perfluorooctanesulfonic acid (PFOS)	0.26	U	0.26	0.14	ug/Kg	☼	12/16/22 16:11	12/19/22 20:39	1
Perfluorodecanesulfonic acid (PFDS)	0.26	U	0.26	0.024	ug/Kg	☼	12/16/22 16:11	12/19/22 20:39	1
Perfluorooctanesulfonamide (FOSA)	0.26	U	0.26	0.044	ug/Kg	☼	12/16/22 16:11	12/19/22 20:39	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.58	U	2.58	0.14	ug/Kg	☼	12/16/22 16:11	12/19/22 20:39	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.58	U	2.58	0.11	ug/Kg	☼	12/16/22 16:11	12/19/22 20:39	1
6:2 FTS	2.58	U	2.58	0.073	ug/Kg	☼	12/16/22 16:11	12/19/22 20:39	1
8:2 FTS	2.58	U	2.58	0.048	ug/Kg	☼	12/16/22 16:11	12/19/22 20:39	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	84		50 - 150				12/16/22 16:11	12/19/22 20:39	1
13C4 PFHpA	88		50 - 150				12/16/22 16:11	12/19/22 20:39	1
13C4 PFOA	89		50 - 150				12/16/22 16:11	12/19/22 20:39	1
13C4 PFOS	83		50 - 150				12/16/22 16:11	12/19/22 20:39	1
13C5 PFNA	93		50 - 150				12/16/22 16:11	12/19/22 20:39	1
13C4 PFBA	83		50 - 150				12/16/22 16:11	12/19/22 20:39	1
13C2 PFHxA	88		50 - 150				12/16/22 16:11	12/19/22 20:39	1
13C2 PFDA	96		50 - 150				12/16/22 16:11	12/19/22 20:39	1
13C2 PFUnA	100		50 - 150				12/16/22 16:11	12/19/22 20:39	1
13C2 PFDoA	95		50 - 150				12/16/22 16:11	12/19/22 20:39	1
13C8 FOSA	80		50 - 150				12/16/22 16:11	12/19/22 20:39	1
13C5 PFPeA	82		50 - 150				12/16/22 16:11	12/19/22 20:39	1
13C2 PFTeA	94		50 - 150				12/16/22 16:11	12/19/22 20:39	1
d3-NMeFOSAA	83		50 - 150				12/16/22 16:11	12/19/22 20:39	1
d5-NEtFOSAA	101		50 - 150				12/16/22 16:11	12/19/22 20:39	1
M2-6:2 FTS	92		50 - 150				12/16/22 16:11	12/19/22 20:39	1
M2-8:2 FTS	104		50 - 150				12/16/22 16:11	12/19/22 20:39	1
13C3 PFBS	84		50 - 150				12/16/22 16:11	12/19/22 20:39	1

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Client Sample Results

Client: Roux Environmental Eng & Geology DPC
Project/Site: Inwood - Lot 21

Job ID: 460-271302-1

Client Sample ID: BCS-21-16_(13-13.5)P

Lab Sample ID: 460-271302-4

Date Collected: 12/13/22 13:55

Matrix: Solid

Date Received: 12/13/22 19:30

Percent Solids: 69.9

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.69	U	0.69	0.46	ug/Kg	☼	12/16/22 16:11	12/19/22 20:47	1
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	0.076	ug/Kg	☼	12/16/22 16:11	12/19/22 20:47	1
Perfluorohexanoic acid (PFHxA)	0.28	U	0.28	0.064	ug/Kg	☼	12/16/22 16:11	12/19/22 20:47	1
Perfluoroheptanoic acid (PFHpA)	0.28	U	0.28	0.054	ug/Kg	☼	12/16/22 16:11	12/19/22 20:47	1
Perfluorooctanoic acid (PFOA)	0.28	U	0.28	0.081	ug/Kg	☼	12/16/22 16:11	12/19/22 20:47	1
Perfluorononanoic acid (PFNA)	0.28	U	0.28	0.047	ug/Kg	☼	12/16/22 16:11	12/19/22 20:47	1
Perfluorodecanoic acid (PFDA)	0.28	U	0.28	0.039	ug/Kg	☼	12/16/22 16:11	12/19/22 20:47	1
Perfluoroundecanoic acid (PFUnA)	0.28	U	0.28	0.037	ug/Kg	☼	12/16/22 16:11	12/19/22 20:47	1
Perfluorododecanoic acid (PFDoA)	0.28	U	0.28	0.035	ug/Kg	☼	12/16/22 16:11	12/19/22 20:47	1
Perfluorotridecanoic acid (PFTriA)	0.28	U	0.28	0.035	ug/Kg	☼	12/16/22 16:11	12/19/22 20:47	1
Perfluorotetradecanoic acid (PFTeA)	0.28	U	0.28	0.036	ug/Kg	☼	12/16/22 16:11	12/19/22 20:47	1
Perfluorobutanesulfonic acid (PFBS)	0.28	U	0.28	0.046	ug/Kg	☼	12/16/22 16:11	12/19/22 20:47	1
Perfluorohexanesulfonic acid (PFHxS)	0.28	U	0.28	0.057	ug/Kg	☼	12/16/22 16:11	12/19/22 20:47	1
Perfluoroheptanesulfonic acid (PFHpS)	0.28	U	0.28	0.032	ug/Kg	☼	12/16/22 16:11	12/19/22 20:47	1
Perfluorooctanesulfonic acid (PFOS)	0.28	U	0.28	0.15	ug/Kg	☼	12/16/22 16:11	12/19/22 20:47	1
Perfluorodecanesulfonic acid (PFDS)	0.28	U	0.28	0.026	ug/Kg	☼	12/16/22 16:11	12/19/22 20:47	1
Perfluorooctanesulfonamide (FOSA)	0.28	U	0.28	0.047	ug/Kg	☼	12/16/22 16:11	12/19/22 20:47	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.78	U	2.78	0.15	ug/Kg	☼	12/16/22 16:11	12/19/22 20:47	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.78	U	2.78	0.12	ug/Kg	☼	12/16/22 16:11	12/19/22 20:47	1
6:2 FTS	2.78	U	2.78	0.079	ug/Kg	☼	12/16/22 16:11	12/19/22 20:47	1
8:2 FTS	2.78	U	2.78	0.051	ug/Kg	☼	12/16/22 16:11	12/19/22 20:47	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	91		50 - 150				12/16/22 16:11	12/19/22 20:47	1
13C4 PFHpA	91		50 - 150				12/16/22 16:11	12/19/22 20:47	1
13C4 PFOA	92		50 - 150				12/16/22 16:11	12/19/22 20:47	1
13C4 PFOS	87		50 - 150				12/16/22 16:11	12/19/22 20:47	1
13C5 PFNA	90		50 - 150				12/16/22 16:11	12/19/22 20:47	1
13C4 PFBA	85		50 - 150				12/16/22 16:11	12/19/22 20:47	1
13C2 PFHxA	89		50 - 150				12/16/22 16:11	12/19/22 20:47	1
13C2 PFDA	99		50 - 150				12/16/22 16:11	12/19/22 20:47	1
13C2 PFUnA	100		50 - 150				12/16/22 16:11	12/19/22 20:47	1
13C2 PFDoA	98		50 - 150				12/16/22 16:11	12/19/22 20:47	1
13C8 FOSA	85		50 - 150				12/16/22 16:11	12/19/22 20:47	1
13C5 PFPeA	86		50 - 150				12/16/22 16:11	12/19/22 20:47	1
13C2 PFTeDA	103		50 - 150				12/16/22 16:11	12/19/22 20:47	1
d3-NMeFOSAA	90		50 - 150				12/16/22 16:11	12/19/22 20:47	1
d5-NEtFOSAA	108		50 - 150				12/16/22 16:11	12/19/22 20:47	1
M2-6:2 FTS	99		50 - 150				12/16/22 16:11	12/19/22 20:47	1
M2-8:2 FTS	115		50 - 150				12/16/22 16:11	12/19/22 20:47	1
13C3 PFBS	90		50 - 150				12/16/22 16:11	12/19/22 20:47	1

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Isotope Dilution Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Inwood - Lot 21

Job ID: 460-271302-1

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)
460-271302-1	BCS-21-13_(13-13.5)P	85	86	89	81	90	85	89	100
460-271302-2	BCS-21-14_(13-13.5)P	73	73	74	72	77	72	80	83
460-271302-3	BCS-21-15_(13-13.5)P	84	88	89	83	93	83	88	96
460-271302-4	BCS-21-16_(13-13.5)P	91	91	92	87	90	85	89	99
460-271307-A-4-B MS	Matrix Spike	76	85	85	71	83	76	82	86
460-271307-A-4-C MSD	Matrix Spike Duplicate	77	88	85	74	85	74	83	88
LCS 200-186815/2-A	Lab Control Sample	87	86	91	87	87	60	85	98
MB 200-186815/1-A	Method Blank	96	92	94	93	95	53	95	98

		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)
460-271302-1	BCS-21-13_(13-13.5)P	99	92	76	83	102	85	108	97
460-271302-2	BCS-21-14_(13-13.5)P	85	79	64	77	77	67	85	88
460-271302-3	BCS-21-15_(13-13.5)P	100	95	80	82	94	83	101	92
460-271302-4	BCS-21-16_(13-13.5)P	100	98	85	86	103	90	108	99
460-271307-A-4-B MS	Matrix Spike	82	79	69	74	77	76	77	68
460-271307-A-4-C MSD	Matrix Spike Duplicate	86	85	71	78	75	78	82	70
LCS 200-186815/2-A	Lab Control Sample	93	81	86	79	76	85	88	89
MB 200-186815/1-A	Method Blank	93	83	88	81	73	94	92	94

		Percent Isotope Dilution Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	M282FTS (50-150)	C3PFBS (50-150)
460-271302-1	BCS-21-13_(13-13.5)P	122	84
460-271302-2	BCS-21-14_(13-13.5)P	103	73
460-271302-3	BCS-21-15_(13-13.5)P	104	84
460-271302-4	BCS-21-16_(13-13.5)P	115	90
460-271307-A-4-B MS	Matrix Spike	65	72
460-271307-A-4-C MSD	Matrix Spike Duplicate	66	72
LCS 200-186815/2-A	Lab Control Sample	89	81
MB 200-186815/1-A	Method Blank	95	88

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

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Isotope Dilution Summary

Client: Roux Environmental Eng & Geology DPC

Job ID: 460-271302-1

Project/Site: Inwood - Lot 21

C3PFBS = 13C3 PFBS

QC Sample Results

Client: Roux Environmental Eng & Geology DPC
Project/Site: Inwood - Lot 21

Job ID: 460-271302-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 200-186815/1-A

Matrix: Solid

Analysis Batch: 186872

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 186815

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.50	U	0.50	0.33	ug/Kg		12/16/22 16:11	12/19/22 18:20	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.055	ug/Kg		12/16/22 16:11	12/19/22 18:20	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.046	ug/Kg		12/16/22 16:11	12/19/22 18:20	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.039	ug/Kg		12/16/22 16:11	12/19/22 18:20	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.058	ug/Kg		12/16/22 16:11	12/19/22 18:20	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.034	ug/Kg		12/16/22 16:11	12/19/22 18:20	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.028	ug/Kg		12/16/22 16:11	12/19/22 18:20	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.027	ug/Kg		12/16/22 16:11	12/19/22 18:20	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.025	ug/Kg		12/16/22 16:11	12/19/22 18:20	1
Perfluorotridecanoic acid (PFTriA)	0.20	U	0.20	0.025	ug/Kg		12/16/22 16:11	12/19/22 18:20	1
Perfluorotetradecanoic acid (PFTeA)	0.20	U	0.20	0.026	ug/Kg		12/16/22 16:11	12/19/22 18:20	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.033	ug/Kg		12/16/22 16:11	12/19/22 18:20	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.041	ug/Kg		12/16/22 16:11	12/19/22 18:20	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.023	ug/Kg		12/16/22 16:11	12/19/22 18:20	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.11	ug/Kg		12/16/22 16:11	12/19/22 18:20	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.019	ug/Kg		12/16/22 16:11	12/19/22 18:20	1
Perfluorooctanesulfonamide (FOSA)	0.20	U	0.20	0.034	ug/Kg		12/16/22 16:11	12/19/22 18:20	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	U	2.00	0.11	ug/Kg		12/16/22 16:11	12/19/22 18:20	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	U	2.00	0.083	ug/Kg		12/16/22 16:11	12/19/22 18:20	1
6:2 FTS	2.00	U	2.00	0.057	ug/Kg		12/16/22 16:11	12/19/22 18:20	1
8:2 FTS	2.00	U	2.00	0.037	ug/Kg		12/16/22 16:11	12/19/22 18:20	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	96		50 - 150	12/16/22 16:11	12/19/22 18:20	1
13C4 PFHpA	92		50 - 150	12/16/22 16:11	12/19/22 18:20	1
13C4 PFOA	94		50 - 150	12/16/22 16:11	12/19/22 18:20	1
13C4 PFOS	93		50 - 150	12/16/22 16:11	12/19/22 18:20	1
13C5 PFNA	95		50 - 150	12/16/22 16:11	12/19/22 18:20	1
13C4 PFBA	53		50 - 150	12/16/22 16:11	12/19/22 18:20	1
13C2 PFHxA	95		50 - 150	12/16/22 16:11	12/19/22 18:20	1
13C2 PFDA	98		50 - 150	12/16/22 16:11	12/19/22 18:20	1
13C2 PFUnA	93		50 - 150	12/16/22 16:11	12/19/22 18:20	1
13C2 PFDoA	83		50 - 150	12/16/22 16:11	12/19/22 18:20	1
13C8 FOSA	88		50 - 150	12/16/22 16:11	12/19/22 18:20	1
13C5 PFPeA	81		50 - 150	12/16/22 16:11	12/19/22 18:20	1
13C2 PFTeDA	73		50 - 150	12/16/22 16:11	12/19/22 18:20	1
d3-NMeFOSAA	94		50 - 150	12/16/22 16:11	12/19/22 18:20	1
d5-NEtFOSAA	92		50 - 150	12/16/22 16:11	12/19/22 18:20	1
M2-6:2 FTS	94		50 - 150	12/16/22 16:11	12/19/22 18:20	1
M2-8:2 FTS	95		50 - 150	12/16/22 16:11	12/19/22 18:20	1
13C3 PFBS	88		50 - 150	12/16/22 16:11	12/19/22 18:20	1

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QC Sample Results

Client: Roux Environmental Eng & Geology DPC
Project/Site: Inwood - Lot 21

Job ID: 460-271302-1

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

Lab Sample ID: LCS 200-186815/2-A

Matrix: Solid

Analysis Batch: 186872

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 186815

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	1.898		ug/Kg		95	60 - 140
Perfluoropentanoic acid (PFPeA)	2.00	1.806		ug/Kg		90	60 - 140
Perfluorohexanoic acid (PFHxA)	2.00	1.901		ug/Kg		95	60 - 140
Perfluoroheptanoic acid (PFHpA)	2.00	1.880		ug/Kg		94	60 - 140
Perfluorooctanoic acid (PFOA)	2.00	1.907		ug/Kg		95	60 - 140
Perfluorononanoic acid (PFNA)	2.00	1.952		ug/Kg		98	60 - 140
Perfluorodecanoic acid (PFDA)	2.00	1.826		ug/Kg		91	60 - 140
Perfluoroundecanoic acid (PFUnA)	2.00	1.907		ug/Kg		95	60 - 140
Perfluorododecanoic acid (PFDoA)	2.00	1.946		ug/Kg		97	60 - 140
Perfluorotridecanoic acid (PFTriA)	2.00	1.751		ug/Kg		88	60 - 140
Perfluorotetradecanoic acid (PFTeA)	2.00	1.741		ug/Kg		87	60 - 140
Perfluorobutanesulfonic acid (PFBS)	1.77	1.656		ug/Kg		94	60 - 140
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.710		ug/Kg		94	60 - 140
Perfluoroheptanesulfonic acid (PFHpS)	1.90	1.809		ug/Kg		95	60 - 140
Perfluorooctanesulfonic acid (PFOS)	1.86	1.715		ug/Kg		92	60 - 140
Perfluorodecanesulfonic acid (PFDS)	1.93	1.670		ug/Kg		87	60 - 140
Perfluorooctanesulfonamide (FOSA)	2.00	1.857		ug/Kg		93	60 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.087		ug/Kg		104	60 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.839	J	ug/Kg		92	60 - 140
6:2 FTS	1.90	1.925	J	ug/Kg		102	50 - 150
8:2 FTS	1.92	1.828	J	ug/Kg		95	60 - 140

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
18O2 PFHxS	87		50 - 150
13C4 PFHpA	86		50 - 150
13C4 PFOA	91		50 - 150
13C4 PFOS	87		50 - 150
13C5 PFNA	87		50 - 150
13C4 PFBA	60		50 - 150
13C2 PFHxA	85		50 - 150
13C2 PFDA	98		50 - 150
13C2 PFUnA	93		50 - 150
13C2 PFDoA	81		50 - 150
13C8 FOSA	86		50 - 150
13C5 PFPeA	79		50 - 150
13C2 PFTeDA	76		50 - 150
d3-NMeFOSAA	85		50 - 150
d5-NEtFOSAA	88		50 - 150
M2-6:2 FTS	89		50 - 150

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QC Sample Results

Client: Roux Environmental Eng & Geology DPC
Project/Site: Inwood - Lot 21

Job ID: 460-271302-1

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

Lab Sample ID: LCS 200-186815/2-A

Matrix: Solid

Analysis Batch: 186872

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 186815

	LCS	LCS	
Isotope Dilution	%Recovery	Qualifier	Limits
M2-8:2 FTS	89		50 - 150
13C3 PFBS	81		50 - 150

Lab Sample ID: 460-271307-A-4-B MS

Matrix: Solid

Analysis Batch: 186872

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 186815

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.56	U	2.21	2.071		ug/Kg	☼	94	60 - 140
Perfluoropentanoic acid (PFPeA)	0.22	U	2.21	2.167		ug/Kg	☼	98	60 - 140
Perfluorohexanoic acid (PFHxA)	0.22	U	2.21	2.092		ug/Kg	☼	94	60 - 140
Perfluoroheptanoic acid (PFHpA)	0.22	U	2.21	2.080		ug/Kg	☼	94	60 - 140
Perfluorooctanoic acid (PFOA)	0.22	U	2.21	2.053		ug/Kg	☼	93	60 - 140
Perfluorononanoic acid (PFNA)	0.22	U	2.21	2.177		ug/Kg	☼	98	60 - 140
Perfluorodecanoic acid (PFDA)	0.22	U	2.21	2.134		ug/Kg	☼	96	60 - 140
Perfluoroundecanoic acid (PFUnA)	0.22	U	2.21	2.050		ug/Kg	☼	93	60 - 140
Perfluorododecanoic acid (PFDoA)	0.22	U	2.21	2.134		ug/Kg	☼	96	60 - 140
Perfluorotridecanoic acid (PFTriA)	0.22	U	2.21	2.161		ug/Kg	☼	98	60 - 140
Perfluorotetradecanoic acid (PFTeA)	0.22	U	2.21	2.154		ug/Kg	☼	97	60 - 140
Perfluorobutanesulfonic acid (PFBS)	0.22	U	1.96	1.848		ug/Kg	☼	94	60 - 140
Perfluorohexanesulfonic acid (PFHxS)	0.22	U	2.01	1.862		ug/Kg	☼	92	60 - 140
Perfluoroheptanesulfonic acid (PFHpS)	0.22	U	2.11	2.085		ug/Kg	☼	99	60 - 140
Perfluorooctanesulfonic acid (PFOS)	0.22	U	2.05	1.864		ug/Kg	☼	91	60 - 140
Perfluorodecanesulfonic acid (PFDS)	0.22	U	2.13	2.039		ug/Kg	☼	96	60 - 140
Perfluorooctanesulfonamide (FOSA)	0.22	U	2.21	2.115		ug/Kg	☼	96	60 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.24	U	2.21	2.297		ug/Kg	☼	104	60 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.24	U	2.21	2.129	J	ug/Kg	☼	96	60 - 140
6:2 FTS	2.24	U	2.10	2.168	J	ug/Kg	☼	103	50 - 150
8:2 FTS	2.24	U	2.12	2.092	J	ug/Kg	☼	99	60 - 140

	MS	MS	
Isotope Dilution	%Recovery	Qualifier	Limits
18O2 PFHxS	76		50 - 150
13C4 PFHpA	85		50 - 150
13C4 PFOA	85		50 - 150
13C4 PFOS	71		50 - 150
13C5 PFNA	83		50 - 150
13C4 PFBA	76		50 - 150
13C2 PFHxA	82		50 - 150
13C2 PFDA	86		50 - 150
13C2 PFUnA	82		50 - 150

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QC Sample Results

Client: Roux Environmental Eng & Geology DPC
Project/Site: Inwood - Lot 21

Job ID: 460-271302-1

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

Lab Sample ID: 460-271307-A-4-B MS

Matrix: Solid

Analysis Batch: 186872

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 186815

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>MS MS Qualifier</i>	<i>Limits</i>
13C2 PFD _o A	79		50 - 150
13C8 FOSA	69		50 - 150
13C5 PFP _e A	74		50 - 150
13C2 PFT _e DA	77		50 - 150
d3-NMeFOSAA	76		50 - 150
d5-NEtFOSAA	77		50 - 150
M2-6:2 FTS	68		50 - 150
M2-8:2 FTS	65		50 - 150
13C3 PFBS	72		50 - 150

Lab Sample ID: 460-271307-A-4-C MSD

Matrix: Solid

Analysis Batch: 186872

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 186815

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MSD Result</i>	<i>MSD Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec Limits</i>	<i>RPD</i>	<i>RPD Limit</i>
Perfluorobutanoic acid (PFBA)	0.56	U	2.23	2.191		ug/Kg	☼	98	60 - 140	6	30
Perfluoropentanoic acid (PFPeA)	0.22	U	2.23	2.113		ug/Kg	☼	95	60 - 140	3	30
Perfluorohexanoic acid (PFHxA)	0.22	U	2.23	2.105		ug/Kg	☼	94	60 - 140	1	30
Perfluoroheptanoic acid (PFHpA)	0.22	U	2.23	2.050		ug/Kg	☼	92	60 - 140	1	30
Perfluorooctanoic acid (PFOA)	0.22	U	2.23	2.179		ug/Kg	☼	98	60 - 140	6	30
Perfluorononanoic acid (PFNA)	0.22	U	2.23	2.179		ug/Kg	☼	98	60 - 140	0	30
Perfluorodecanoic acid (PFDA)	0.22	U	2.23	2.070		ug/Kg	☼	93	60 - 140	3	30
Perfluoroundecanoic acid (PFUnA)	0.22	U	2.23	2.180		ug/Kg	☼	98	60 - 140	6	30
Perfluorododecanoic acid (PFDoA)	0.22	U	2.23	2.115		ug/Kg	☼	95	60 - 140	1	30
Perfluorotridecanoic acid (PFTriA)	0.22	U	2.23	2.084		ug/Kg	☼	93	60 - 140	4	30
Perfluorotetradecanoic acid (PFTeA)	0.22	U	2.23	2.079		ug/Kg	☼	93	60 - 140	4	30
Perfluorobutanesulfonic acid (PFBS)	0.22	U	1.97	1.889		ug/Kg	☼	96	60 - 140	2	30
Perfluorohexanesulfonic acid (PFHxS)	0.22	U	2.03	1.919		ug/Kg	☼	95	60 - 140	3	30
Perfluoroheptanesulfonic acid (PFHpS)	0.22	U	2.12	2.066		ug/Kg	☼	97	60 - 140	1	30
Perfluorooctanesulfonic acid (PFOS)	0.22	U	2.07	1.860		ug/Kg	☼	90	60 - 140	0	30
Perfluorodecanesulfonic acid (PFDS)	0.22	U	2.15	2.066		ug/Kg	☼	96	60 - 140	1	30
Perfluorooctanesulfonamide (FOSA)	0.22	U	2.23	2.099		ug/Kg	☼	94	60 - 140	1	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.24	U	2.23	2.261		ug/Kg	☼	101	60 - 140	2	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.24	U	2.23	2.105	J	ug/Kg	☼	94	60 - 140	1	30
6:2 FTS	2.24	U	2.11	2.107	J	ug/Kg	☼	100	50 - 150	3	30
8:2 FTS	2.24	U	2.14	2.223	J	ug/Kg	☼	104	60 - 140	6	30

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>MSD MSD Qualifier</i>	<i>Limits</i>
18O2 PFHxS	77		50 - 150
13C4 PFHpA	88		50 - 150

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QC Sample Results

Client: Roux Environmental Eng & Geology DPC
Project/Site: Inwood - Lot 21

Job ID: 460-271302-1

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

Lab Sample ID: 460-271307-A-4-C MSD

Matrix: Solid

Analysis Batch: 186872

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 186815

Isotope Dilution	MSD MSD		Limits
	%Recovery	Qualifier	
13C4 PFOA	85		50 - 150
13C4 PFOS	74		50 - 150
13C5 PFNA	85		50 - 150
13C4 PFBA	74		50 - 150
13C2 PFHxA	83		50 - 150
13C2 PFDA	88		50 - 150
13C2 PFUnA	86		50 - 150
13C2 PFDoA	85		50 - 150
13C8 FOSA	71		50 - 150
13C5 PFPeA	78		50 - 150
13C2 PFTeDA	75		50 - 150
d3-NMeFOSAA	78		50 - 150
d5-NEtFOSAA	82		50 - 150
M2-6:2 FTS	70		50 - 150
M2-8:2 FTS	66		50 - 150
13C3 PFBS	72		50 - 150

Definitions/Glossary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Inwood - Lot 21

Job ID: 460-271302-1

Qualifiers

LCMS

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

Glossary

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

QC Association Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Inwood - Lot 21

Job ID: 460-271302-1

LCMS

Prep Batch: 186815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-271302-1	BCS-21-13_(13-13.5)P	Total/NA	Solid	SHAKE	
460-271302-2	BCS-21-14_(13-13.5)P	Total/NA	Solid	SHAKE	
460-271302-3	BCS-21-15_(13-13.5)P	Total/NA	Solid	SHAKE	
460-271302-4	BCS-21-16_(13-13.5)P	Total/NA	Solid	SHAKE	
MB 200-186815/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 200-186815/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
460-271307-A-4-B MS	Matrix Spike	Total/NA	Solid	SHAKE	
460-271307-A-4-C MSD	Matrix Spike Duplicate	Total/NA	Solid	SHAKE	

Analysis Batch: 186872

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-271302-1	BCS-21-13_(13-13.5)P	Total/NA	Solid	537 (modified)	186815
460-271302-2	BCS-21-14_(13-13.5)P	Total/NA	Solid	537 (modified)	186815
460-271302-3	BCS-21-15_(13-13.5)P	Total/NA	Solid	537 (modified)	186815
460-271302-4	BCS-21-16_(13-13.5)P	Total/NA	Solid	537 (modified)	186815
MB 200-186815/1-A	Method Blank	Total/NA	Solid	537 (modified)	186815
LCS 200-186815/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	186815
460-271307-A-4-B MS	Matrix Spike	Total/NA	Solid	537 (modified)	186815
460-271307-A-4-C MSD	Matrix Spike Duplicate	Total/NA	Solid	537 (modified)	186815

General Chemistry

Analysis Batch: 186906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-271302-1	BCS-21-13_(13-13.5)P	Total/NA	Solid	Moisture	
460-271302-2	BCS-21-14_(13-13.5)P	Total/NA	Solid	Moisture	
460-271302-3	BCS-21-15_(13-13.5)P	Total/NA	Solid	Moisture	
460-271302-4	BCS-21-16_(13-13.5)P	Total/NA	Solid	Moisture	
460-271302-1 DU	BCS-21-13_(13-13.5)P	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Inwood - Lot 21

Job ID: 460-271302-1

Client Sample ID: BCS-21-13_(13-13.5)P

Lab Sample ID: 460-271302-1

Date Collected: 12/13/22 13:25

Matrix: Solid

Date Received: 12/13/22 19:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	186906	RWM	EET BUR	12/20/22 14:24

Client Sample ID: BCS-21-13_(13-13.5)P

Lab Sample ID: 460-271302-1

Date Collected: 12/13/22 13:25

Matrix: Solid

Date Received: 12/13/22 19:30

Percent Solids: 73.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			186815	EK	EET BUR	12/16/22 16:11
Total/NA	Analysis	537 (modified)		1	186872	ND	EET BUR	12/19/22 20:22

Client Sample ID: BCS-21-14_(13-13.5)P

Lab Sample ID: 460-271302-2

Date Collected: 12/13/22 13:35

Matrix: Solid

Date Received: 12/13/22 19:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	186906	RWM	EET BUR	12/20/22 14:24

Client Sample ID: BCS-21-14_(13-13.5)P

Lab Sample ID: 460-271302-2

Date Collected: 12/13/22 13:35

Matrix: Solid

Date Received: 12/13/22 19:30

Percent Solids: 34.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			186815	EK	EET BUR	12/16/22 16:11
Total/NA	Analysis	537 (modified)		1	186872	ND	EET BUR	12/19/22 20:31

Client Sample ID: BCS-21-15_(13-13.5)P

Lab Sample ID: 460-271302-3

Date Collected: 12/13/22 13:45

Matrix: Solid

Date Received: 12/13/22 19:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	186906	RWM	EET BUR	12/20/22 14:24

Client Sample ID: BCS-21-15_(13-13.5)P

Lab Sample ID: 460-271302-3

Date Collected: 12/13/22 13:45

Matrix: Solid

Date Received: 12/13/22 19:30

Percent Solids: 74.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			186815	EK	EET BUR	12/16/22 16:11
Total/NA	Analysis	537 (modified)		1	186872	ND	EET BUR	12/19/22 20:39

Client Sample ID: BCS-21-16_(13-13.5)P

Lab Sample ID: 460-271302-4

Date Collected: 12/13/22 13:55

Matrix: Solid

Date Received: 12/13/22 19:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	186906	RWM	EET BUR	12/20/22 14:24

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Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Inwood - Lot 21

Job ID: 460-271302-1

Client Sample ID: BCS-21-16_(13-13.5)P

Lab Sample ID: 460-271302-4

Date Collected: 12/13/22 13:55

Matrix: Solid

Date Received: 12/13/22 19:30

Percent Solids: 69.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			186815	EK	EET BUR	12/16/22 16:11
Total/NA	Analysis	537 (modified)		1	186872	ND	EET BUR	12/19/22 20:47

Laboratory References:

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

Accreditation/Certification Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Inwood - Lot 21

Job ID: 460-271302-1

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	12-18-23
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	12-14-23
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.: 460-271302-1
 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-21-13_(13-13.5))P	460-271302-1	85	83	84	89	85	86	97	89
BCS-21-14_(13-13.5))P	460-271302-2	72	77	73	80	73	73	88	74
BCS-21-15_(13-13.5))P	460-271302-3	83	82	84	88	84	88	92	89
BCS-21-16_(13-13.5))P	460-271302-4	85	86	90	89	91	91	99	92
	MB 200-186815/1-A	53	81	88	95	96	92	94	94
	LCS 200-186815/2-A	60	79	81	85	87	86	89	91
	460-271307-A-4-B MS	76	74	72	82	76	85	68	85
	460-271307-A-4-C MSD	74	78	72	83	77	88	70	85

	<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.: 460-271302-1
 SDG No.: _____
 Matrix: Solid Level: Low
 GC Column (1): C-18 ID: 4.6 (mm)

Client Sample ID	Lab Sample ID	PFOS #	PFNA #	PFDA #	M282FTS #	PFOSA #	d3NMFOS #	d5NEFOS #	PFUnA #
BCS-21-13_(13-13.5))P	460-271302-1	81	90	100	122	76	85	108	99
BCS-21-14_(13-13.5))P	460-271302-2	72	77	83	103	64	67	85	85
BCS-21-15_(13-13.5))P	460-271302-3	83	93	96	104	80	83	101	100
BCS-21-16_(13-13.5))P	460-271302-4	87	90	99	115	85	90	108	100
	MB 200-186815/1-A	93	95	98	95	88	94	92	93
	LCS 200-186815/2-A	87	87	98	89	86	85	88	93
	460-271307-A-4-B MS	71	83	86	65	69	76	77	82
	460-271307-A-4-C MSD	74	85	88	66	71	78	82	86

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

Column to be used to flag recovery values

FORM II 537 (modified)

FORM II
PFAS SURROGATE RECOVERY

Lab Name: Eurofins Burlington Job No.: 460-271302-1
 SDG No.: _____
 Matrix: Solid Level: Low
 GC Column (1): C-18 ID: 4.6 (mm)

Client Sample ID	Lab Sample ID	PFD _o A #	PFTDA #
BCS-21-13_(13-13.5))P	460-271302-1	92	102
BCS-21-14_(13-13.5))P	460-271302-2	79	77
BCS-21-15_(13-13.5))P	460-271302-3	95	94
BCS-21-16_(13-13.5))P	460-271302-4	98	103
	MB 200-186815/1-A	83	73
	LCS 200-186815/2-A	81	76
	460-271307-A-4-B MS	79	77
	460-271307-A-4-C MSD	85	75

PFD_oA = 13C2 PFD_oA
 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.: 460-271302-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: PA221219B03.d
 Lab ID: LCS 200-186815/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	2.00	1.898	95	60-140	
Perfluoropentanoic acid (PFPeA)	2.00	1.806	90	60-140	
Perfluorohexanoic acid (PFHxA)	2.00	1.901	95	60-140	
Perfluoroheptanoic acid (PFHpA)	2.00	1.880	94	60-140	
Perfluorooctanoic acid (PFOA)	2.00	1.907	95	60-140	
Perfluorononanoic acid (PFNA)	2.00	1.952	98	60-140	
Perfluorodecanoic acid (PFDA)	2.00	1.826	91	60-140	
Perfluoroundecanoic acid (PFUnA)	2.00	1.907	95	60-140	
Perfluorododecanoic acid (PFDoA)	2.00	1.946	97	60-140	
Perfluorotridecanoic acid (PFTriA)	2.00	1.751	88	60-140	
Perfluorotetradecanoic acid (PFTeA)	2.00	1.741	87	60-140	
Perfluorobutanesulfonic acid (PFBS)	1.77	1.656	94	60-140	
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.710	94	60-140	
Perfluoroheptanesulfonic acid (PFHpS)	1.90	1.809	95	60-140	
Perfluorooctanesulfonic acid (PFOS)	1.86	1.715	92	60-140	
Perfluorodecanesulfonic acid (PFDS)	1.93	1.670	87	60-140	
Perfluorooctanesulfonamide (FOSA)	2.00	1.857	93	60-140	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.087	104	60-140	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.839 J	92	60-140	
6:2 FTS	1.90	1.925 J	102	50-150	
8:2 FTS	1.92	1.828 J	95	60-140	
18O2 PFHxS	2.37	2.046	87	50-150	
13C4 PFHpA	2.50	2.147	86	50-150	
13C4 PFOA	2.50	2.280	91	50-150	
13C4 PFOS	2.39	2.080	87	50-150	
13C5 PFNA	2.50	2.184	87	50-150	
13C4 PFBA	2.50	1.506	60	50-150	
13C2 PFHxA	2.50	2.127	85	50-150	
13C2 PFDA	2.50	2.449	98	50-150	
13C2 PFUnA	2.50	2.321	93	50-150	
13C2 PFDoA	2.50	2.033	81	50-150	

Column to be used to flag recovery and RPD values

FORM III 537 (modified)

FORM III
PFAS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Burlington Job No.: 460-271302-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: PA221219B03.d
 Lab ID: LCS 200-186815/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
13C8 FOSA	2.50	2.156	86	50-150	
13C5 PFPeA	2.50	1.964	79	50-150	
13C2 PFTeDA	2.50	1.905	76	50-150	
d3-NMeFOSAA	2.50	2.132	85	50-150	
d5-NEtFOSAA	2.50	2.209	88	50-150	
M2-6:2 FTS	2.38	2.108	89	50-150	
M2-8:2 FTS	2.40	2.127	89	50-150	
13C3 PFBS	2.33	1.874	81	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.: 460-271302-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: PA221219B25.d
 Lab ID: 460-271307-A-4-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)	2.21	0.56 U	2.071	94	60-140	
Perfluoropentanoic acid (PFPeA)	2.21	0.22 U	2.167	98	60-140	
Perfluorohexanoic acid (PFHxA)	2.21	0.22 U	2.092	94	60-140	
Perfluoroheptanoic acid (PFHpA)	2.21	0.22 U	2.080	94	60-140	
Perfluorooctanoic acid (PFOA)	2.21	0.22 U	2.053	93	60-140	
Perfluorononanoic acid (PFNA)	2.21	0.22 U	2.177	98	60-140	
Perfluorodecanoic acid (PFDA)	2.21	0.22 U	2.134	96	60-140	
Perfluoroundecanoic acid (PFUnA)	2.21	0.22 U	2.050	93	60-140	
Perfluorododecanoic acid (PFDoA)	2.21	0.22 U	2.134	96	60-140	
Perfluorotridecanoic acid (PFTrIA)	2.21	0.22 U	2.161	98	60-140	
Perfluorotetradecanoic acid (PFTeA)	2.21	0.22 U	2.154	97	60-140	
Perfluorobutanesulfonic acid (PFBS)	1.96	0.22 U	1.848	94	60-140	
Perfluorohexanesulfonic acid (PFHxS)	2.01	0.22 U	1.862	92	60-140	
Perfluoroheptanesulfonic acid (PFHpS)	2.11	0.22 U	2.085	99	60-140	
Perfluorooctanesulfonic acid (PFOS)	2.05	0.22 U	1.864	91	60-140	
Perfluorodecanesulfonic acid (PFDS)	2.13	0.22 U	2.039	96	60-140	
Perfluorooctanesulfonamide (FOSA)	2.21	0.22 U	2.115	96	60-140	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.21	2.24 U	2.297	104	60-140	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.21	2.24 U	2.129 J	96	60-140	
6:2 FTS	2.10	2.24 U	2.168 J	103	50-150	
8:2 FTS	2.12	2.24 U	2.092 J	99	60-140	
18O2 PFHxS	2.62	2.09	1.988	76	50-150	
13C4 PFHpA	2.77	2.45	2.340	85	50-150	
13C4 PFOA	2.77	2.44	2.365	85	50-150	
13C4 PFOS	2.65	1.99	1.868	71	50-150	
13C5 PFNA	2.77	2.37	2.303	83	50-150	
13C4 PFBA	2.77	2.18	2.092	76	50-150	
13C2 PFHxA	2.77	2.44	2.278	82	50-150	
13C2 PFDA	2.77	2.45	2.373	86	50-150	
13C2 PFUnA	2.77	2.38	2.282	82	50-150	
13C2 PFDoA	2.77	2.29	2.187	79	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.: 460-271302-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: PA221219B25.d
 Lab ID: 460-271307-A-4-B MS Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
13C8 FOSA	2.77	1.97	1.901	69	50-150	
13C5 PFPeA	2.77	2.19	2.061	74	50-150	
13C2 PFTeDA	2.77	2.17	2.118	77	50-150	
d3-NMeFOSAA	2.77	2.18	2.099	76	50-150	
d5-NEtFOSAA	2.77	2.25	2.117	77	50-150	
M2-6:2 FTS	2.63	1.88	1.775	68	50-150	
M2-8:2 FTS	2.65	1.82	1.736	65	50-150	
13C3 PFBS	2.57	2.00	1.847	72	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.: 460-271302-1

SDG No.: _____

Matrix: Solid Level: Low Lab File ID: PA221219B26.d

Lab ID: 460-271307-A-4-C MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Perfluorobutanoic acid (PFBA)	2.23	2.191	98	6	30	60-140	
Perfluoropentanoic acid (PFPeA)	2.23	2.113	95	3	30	60-140	
Perfluorohexanoic acid (PFHxA)	2.23	2.105	94	1	30	60-140	
Perfluoroheptanoic acid (PFHpA)	2.23	2.050	92	1	30	60-140	
Perfluorooctanoic acid (PFOA)	2.23	2.179	98	6	30	60-140	
Perfluorononanoic acid (PFNA)	2.23	2.179	98	0	30	60-140	
Perfluorodecanoic acid (PFDA)	2.23	2.070	93	3	30	60-140	
Perfluoroundecanoic acid (PFUnA)	2.23	2.180	98	6	30	60-140	
Perfluorododecanoic acid (PFDoA)	2.23	2.115	95	1	30	60-140	
Perfluorotridecanoic acid (PFTrIA)	2.23	2.084	93	4	30	60-140	
Perfluorotetradecanoic acid (PFTeA)	2.23	2.079	93	4	30	60-140	
Perfluorobutanesulfonic acid (PFBS)	1.97	1.889	96	2	30	60-140	
Perfluorohexanesulfonic acid (PFHxS)	2.03	1.919	95	3	30	60-140	
Perfluoroheptanesulfonic acid (PFHpS)	2.12	2.066	97	1	30	60-140	
Perfluorooctanesulfonic acid (PFOS)	2.07	1.860	90	0	30	60-140	
Perfluorodecanesulfonic acid (PFDS)	2.15	2.066	96	1	30	60-140	
Perfluorooctanesulfonamide (FOSA)	2.23	2.099	94	1	30	60-140	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.23	2.261	101	2	30	60-140	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.23	2.105 J	94	1	30	60-140	
6:2 FTS	2.11	2.107 J	100	3	30	50-150	
8:2 FTS	2.14	2.223 J	104	6	30	60-140	
18O2 PFHxS	2.64	2.019	77			50-150	
13C4 PFHpA	2.79	2.462	88			50-150	
13C4 PFOA	2.79	2.360	85			50-150	
13C4 PFOS	2.67	1.960	74			50-150	
13C5 PFNA	2.79	2.368	85			50-150	
13C4 PFBA	2.79	2.062	74			50-150	
13C2 PFHxA	2.79	2.303	83			50-150	
13C2 PFDA	2.79	2.443	88			50-150	
13C2 PFUnA	2.79	2.404	86			50-150	
13C2 PFDoA	2.79	2.363	85			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.: 460-271302-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: PA221219B26.d
 Lab ID: 460-271307-A-4-C MSD Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
13C8 FOSA	2.79	1.991	71			50-150	
13C5 PFPeA	2.79	2.180	78			50-150	
13C2 PFTeDA	2.79	2.095	75			50-150	
d3-NMeFOSAA	2.79	2.182	78			50-150	
d5-NEtFOSAA	2.79	2.294	82			50-150	
M2-6:2 FTS	2.65	1.846	70			50-150	
M2-8:2 FTS	2.67	1.751	66			50-150	
13C3 PFBS	2.59	1.858	72			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.: 460-271302-1
 SDG No.: _____
 Lab File ID: PA221219B02.d Lab Sample ID: MB 200-186815/1-A
 Matrix: Solid Date Extracted: 12/16/2022 16:11
 Instrument ID: LC812 Date Analyzed: 12/19/2022 18:20
 Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-186815/2-A	PA221219B03 .d	12/19/2022 18:28
BCS-21-13_(13-13.5)P	460-271302-1	PA221219B17 .d	12/19/2022 20:22
BCS-21-14_(13-13.5)P	460-271302-2	PA221219B18 .d	12/19/2022 20:31
BCS-21-15_(13-13.5)P	460-271302-3	PA221219B19 .d	12/19/2022 20:39
BCS-21-16_(13-13.5)P	460-271302-4	PA221219B20 .d	12/19/2022 20:47
	460-271307-A-4-B MS	PA221219B25 .d	12/19/2022 21:28
	460-271307-A-4-C MSD	PA221219B26 .d	12/19/2022 21:36

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Burlington Job No.: 460-271302-1
 SDG No.: _____
 Instrument ID: LC812 Calibration Start Date: 11/18/2022 14:29
 GC Column: C-18 ID: 4.6 (mm) Calibration End Date: 11/18/2022 15:10
 Calibration ID: 49456

		13PFOA					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		2300897	3.45				
UPPER LIMIT		3451346	3.65				
LOWER LIMIT		1150449	3.25				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICB 200-185958/11		2270634	3.45				
ICV 200-185958/12		2902090	3.45				
CCB 200-186869/4		2449732	3.45				
CCVLIS 200-186869/5		2631261	3.45				

13PFOA = 13C2 PFOA

Area Limit = 50%-150% of internal standard area
 RT Limit = $\pm$ 0.2 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Burlington Job No.: 460-271302-1
 SDG No.: _____
 Sample No.: CCVLIS 200-186869/5 Date Analyzed: 12/19/2022 14:22
 Instrument ID: LC812 GC Column: C-18 ID: 4.6 (mm)
 Lab File ID (Standard): PA221219A05.d Heated Purge: (Y/N) N
 Calibration ID: 49456

		13PFOA					
		AREA #	RT #	#	RT #	#	RT #
Low Level 12/24 HOUR STD		2631261	3.45				
UPPER LIMIT		3946892	3.65				
LOWER LIMIT		1315631	3.25				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 200-186872/1		2570641	3.44				
MB 200-186815/1-A		2597687	3.44				
LCS 200-186815/2-A		2811683	3.43				
CCV 200-186872/14		2632168	3.46				
460-271302-1	BCS-21-13_ (13-13.5) P	2717774	3.43				
460-271302-2	BCS-21-14_ (13-13.5) P	2711366	3.36				
460-271302-3	BCS-21-15_ (13-13.5) P	2866409	3.40				
460-271302-4	BCS-21-16_ (13-13.5) P	2836675	3.41				
460-271307-A-4-B MS		2771867	3.44				
460-271307-A-4-C MSD		2796839	3.44				
CCV 200-186872/27		2673246	3.44				

13PFOA = 13C2 PFOA

Area Limit = 50%-150% of internal standard area
 RT Limit = $\pm$ 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.: 460-271302-1

SDG No.: _____

Client Sample ID: BCS-21-13_(13-13.5)P Lab Sample ID: 460-271302-1

Matrix: Solid Lab File ID: PA221219B17.d

Analysis Method: 537 (modified) Date Collected: 12/13/2022 13:25

Extraction Method: SHAKE Date Extracted: 12/16/2022 16:11

Sample wt/vol: 5.10(g) Date Analyzed: 12/19/2022 20:22

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6 (mm)

% Moisture: 26.8 % Solids: 73.2 GPC Cleanup: (Y/N) N

Cleanup Factor: _____

Analysis Batch No.: 186872 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.67	U	0.67	0.44
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.27	U	0.27	0.074
307-24-4	Perfluorohexanoic acid (PFHxA)	0.27	U	0.27	0.062
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.27	U	0.27	0.052
335-67-1	Perfluorooctanoic acid (PFOA)	0.27	U	0.27	0.078
375-95-1	Perfluorononanoic acid (PFNA)	0.27	U	0.27	0.046
335-76-2	Perfluorodecanoic acid (PFDA)	0.27	U	0.27	0.037
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.27	U	0.27	0.036
307-55-1	Perfluorododecanoic acid (PFDoA)	0.27	U	0.27	0.033
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.27	U	0.27	0.033
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.27	U	0.27	0.035
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.27	U	0.27	0.044
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.27	U	0.27	0.055
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.27	U	0.27	0.031
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.27	U	0.27	0.15
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.27	U	0.27	0.025
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.27	U	0.27	0.046
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.68	U	2.68	0.15
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.68	U	2.68	0.11
27619-97-2	6:2 FTS	2.68	U	2.68	0.076
39108-34-4	8:2 FTS	2.68	U	2.68	0.050

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>460-271302-1</u>
SDG No.: _____	
Client Sample ID: <u>BCS-21-13_(13-13.5)P</u>	Lab Sample ID: <u>460-271302-1</u>
Matrix: <u>Solid</u>	Lab File ID: <u>PA221219B17.d</u>
Analysis Method: <u>537 (modified)</u>	Date Collected: <u>12/13/2022 13:25</u>
Extraction Method: <u>SHAKE</u>	Date Extracted: <u>12/16/2022 16:11</u>
Sample wt/vol: <u>5.10(g)</u>	Date Analyzed: <u>12/19/2022 20:22</u>
Con. Extract Vol.: <u>10(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>20(uL)</u>	GC Column: <u>C-18</u> ID: <u>4.6 (mm)</u>
% Moisture: <u>26.8</u> % Solids: <u>73.2</u>	GPC Cleanup: (Y/N) <u>N</u>
Cleanup Factor: _____	
Analysis Batch No.: <u>186872</u>	Units: <u>ug/Kg</u>

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	85		50-150
STL01892	13C4 PFHpA	86		50-150
STL00990	13C4 PFOA	89		50-150
STL00991	13C4 PFOS	81		50-150
STL00995	13C5 PFNA	90		50-150
STL00992	13C4 PFBA	85		50-150
STL00993	13C2 PFHxA	89		50-150
STL00996	13C2 PFDA	100		50-150
STL00997	13C2 PFUnA	99		50-150
STL00998	13C2 PFDoA	92		50-150
STL01056	13C8 FOSA	76		50-150
STL01893	13C5 PFPeA	83		50-150
STL02116	13C2 PFTeDA	102		50-150
STL02118	d3-NMeFOSAA	85		50-150
STL02117	d5-NEtFOSAA	108		50-150
STL02279	M2-6:2 FTS	97		50-150
STL02280	M2-8:2 FTS	122		50-150
STL02337	13C3 PFBS	84		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B17.d
 Lims ID: 460-271302-A-1-A
 Client ID: BCS-21-13_(13-13.5)P
 Sample Type: Client
 Inject. Date: 19-Dec-2022 20:22:51 ALS Bottle#: 17 Worklist Smp#: 17
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 460-271302-A-1-A
 Misc. Info.: 200-0053737-017 Plate: 1 Rack: 2
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 22-Dec-2022 09:36:59 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1616

First Level Reviewer: khanphomeea

Date: 20-Dec-2022 14:42:10

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	2.085	2.076	0.009	0.608	2587134	1.06		84.9	6940	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.093	2.076	0.017	1.004	69191	0.0324			4.0	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.386	2.387	-0.001	0.696	1929020	1.04		83.1	2505	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.386	2.387	-0.001	1.000	11111	0.006606			0.2	M
D 47 13C3 PFBS										
301.90 > 80.00	2.400	2.400	0.0	0.700	1968803	0.9756		83.9	134018	
D 7 13C2 PFHxA										
315.00 > 270.00	2.725	2.725	0.0	0.795	2167450	1.11		89.1	2217	
D 11 18O2 PFHxS										
403.00 > 84.00	3.076	3.088	-0.012	0.897	1483869	1.01		85.4	4443	
D 9 13C4 PFHpA										
367.00 > 322.00	3.087	3.099	-0.012	0.900	2155152	1.08		86.1	3503	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.076	3.099	-0.023	0.996	6130	0.003266	Target=3.97		0.6	M
363.00 > 169.00	3.076	3.099	-0.023	0.996	2082		2.94(1.98-5.95)		3.4	M
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.420	3.439	-0.019	0.997	283045	1.15		96.7	102	M
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.420	3.439	-0.019	1.000	1980	-0.007940			5.3	
D 14 13C4 PFOA										
417.00 > 372.00	3.429	3.448	-0.019	1.000	2497593	1.11		88.8	6109	
* 62 13C2 PFOA										
415.00 > 370.00	3.429	3.448	-0.019		2717774	1.25			4515	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.429	3.448	-0.019	1.000	14981	0.007014	Target=2.79	1.0		M
413.00 > 169.00	3.420	3.448	-0.028	0.997	4490		3.34(1.40-4.19)	5.8		M
D 18 13C4 PFOS										
503.00 > 80.00	3.744	3.764	-0.020	1.092	968976	0.9714		81.3	328	
17 Perfluorooctanesulfonic acid										RM
499.00 > 80.00	3.763	3.764	-0.001	1.005	9778	0.0099	Target=5.11	2.2		RM
499.00 > 99.00	3.763	3.764	-0.001	1.005	32307		0.30(2.55-7.66)	5.6		M
D 19 13C5 PFNA										
468.00 > 423.00	3.753	3.783	-0.030	1.095	2470579	1.13		90.4	4437	
D 23 13C2 PFDA										
515.00 > 470.00	4.050	4.081	-0.031	1.181	2786868	1.25		100	7137	
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.050	4.081	-0.031	1.000	5960	0.002465	Target=10.26	0.8		M
513.00 > 169.00	4.050	4.081	-0.031	1.000	1146		5.20(5.13-15.38)	2.4		M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.061	4.093	-0.032	1.184	441103	1.46		122	130	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.050	4.093	-0.043	0.997	573	0.000962		8.7		M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.127	4.150	-0.023	1.000	19648	0.0136		72.3		M
D 21 13C8 FOSA										
506.00 > 78.00	4.127	4.150	-0.023	1.204	1730345	0.9471		75.8	2053	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.196	4.228	-0.032	1.224	480925	1.06		84.8	1512	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.207	4.228	-0.021	1.003	3489	-0.001085		7.3		M
D 30 13C2 PFUnA										
565.00 > 520.00	4.319	4.353	-0.034	1.260	2520190	1.24		98.8	3546	
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.319	4.353	-0.034	1.000	9611	0.004730	Target=9.88	2.4		M
563.00 > 169.00	4.319	4.353	-0.034	1.000	688		13.97(4.94-14.82)	3.0		M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.342	4.365	-0.023	1.003	6610	0.0153		42.3		M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.331	4.365	-0.034	1.263	603635	1.35		108	1059	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.567	4.591	-0.024	1.003	8913	0.004387	Target=7.77	1.2		
613.00 > 169.00	4.555	4.591	-0.036	1.000	1313		6.79(3.89-11.66)	7.0		M
D 36 13C2 PFDaA										
615.00 > 570.00	4.555	4.591	-0.036	1.328	2397260	1.15		92.2	3081	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.776	4.804	-0.028	1.049	5337	0.002747	Target=5.21	0.6		M
663.00 > 169.00	4.767	4.804	-0.037	1.047	699		7.64(2.60-7.81)	4.3		M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	4.972	5.012	-0.040	1.000	712	0.002829	Target=0.89	5.0		M
713.00 > 219.00	4.972	5.012	-0.040	1.000	1060		0.67(0.44-1.33)	11.6		M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags

D 43 13C2 PFTeDA

715.00 > 670.00 4.972 5.012 -0.040 1.450 2298086 1.28 102 5674

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B17.d

Injection Date: 19-Dec-2022 20:22:51

Instrument ID: LC812

Lims ID: 460-271302-A-1-A

Lab Sample ID: 200-271302-1

Client ID: BCS-21-13_(13-13.5)P

Operator ID: lc812tech

ALS Bottle#: 17

Worklist Smp#: 17

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

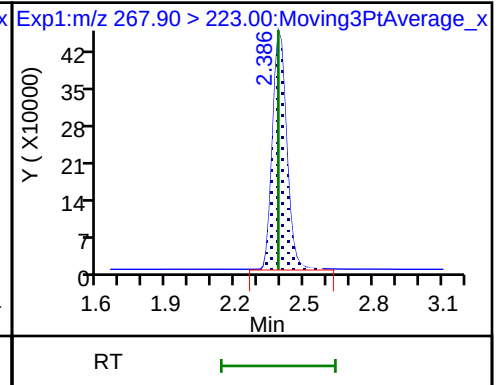
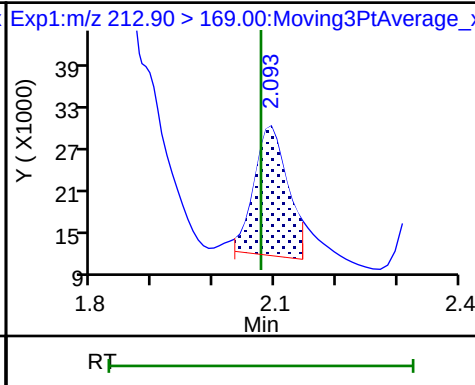
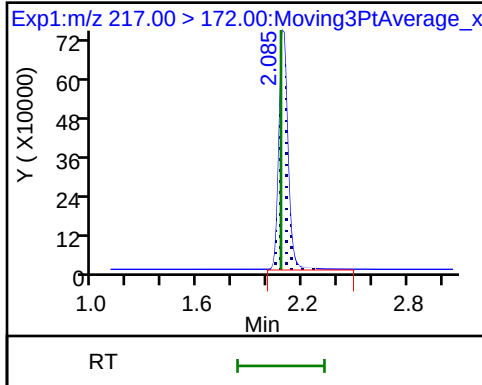
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

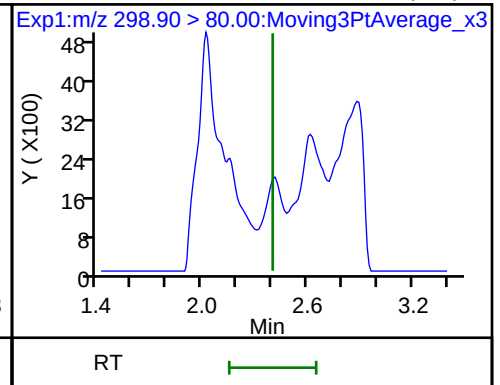
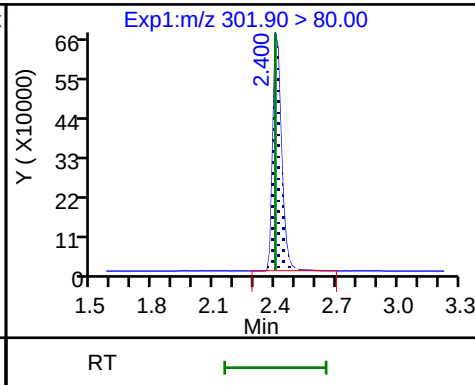
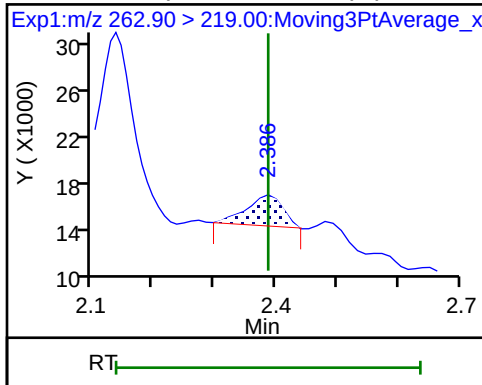
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS

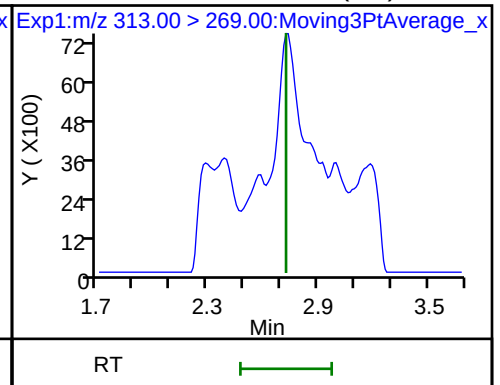
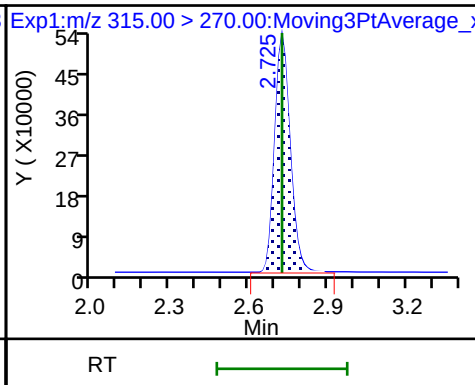
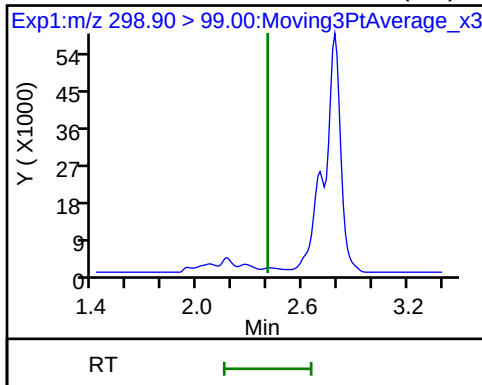
5 Perfluorobutanesulfonic acid (ND)



5 Perfluorobutanesulfonic acid (ND)

D 7 13C2 PFHxA

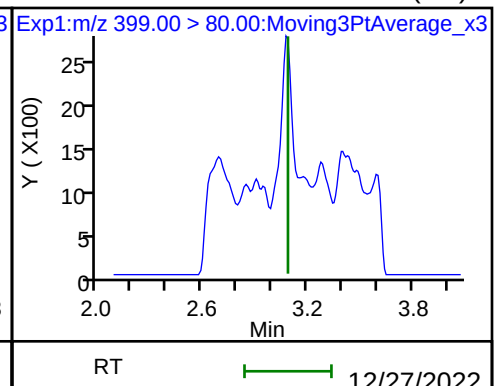
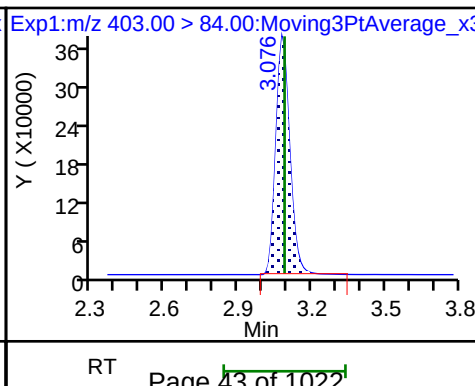
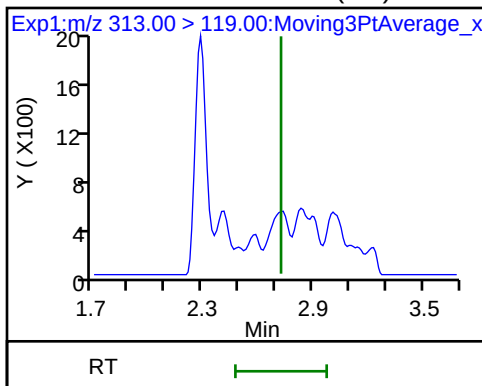
6 Perfluorohexanoic acid (ND)



6 Perfluorohexanoic acid (ND)

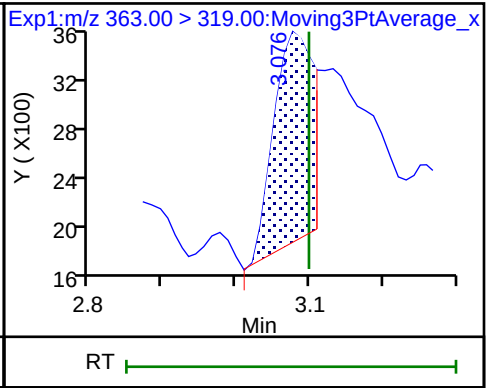
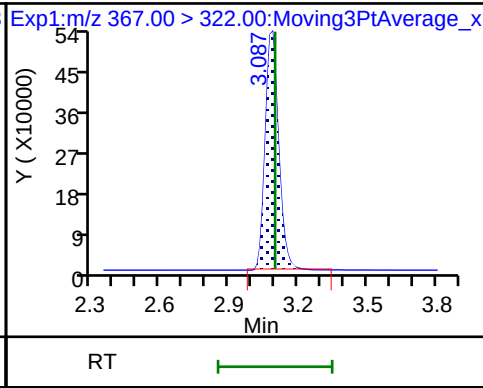
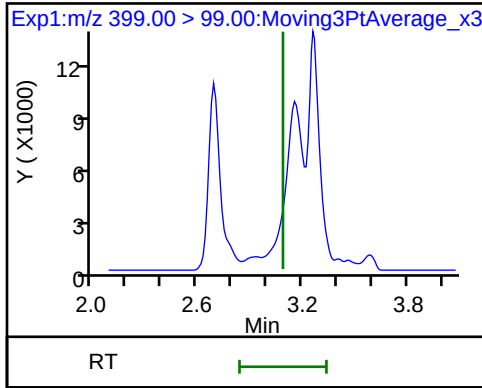
D 11 18O2 PFHxS

8 Perfluorohexanesulfonic acid (ND)



8 Perfluorohexanesulfonic acid (ND) D 9 13C4 PFHpA

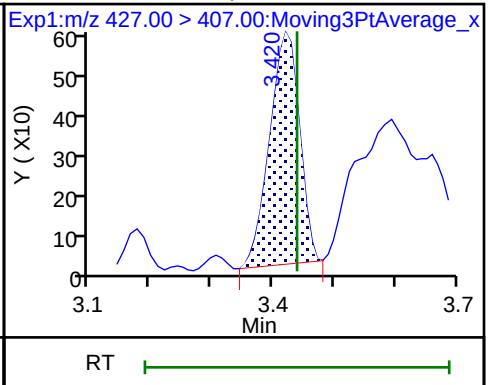
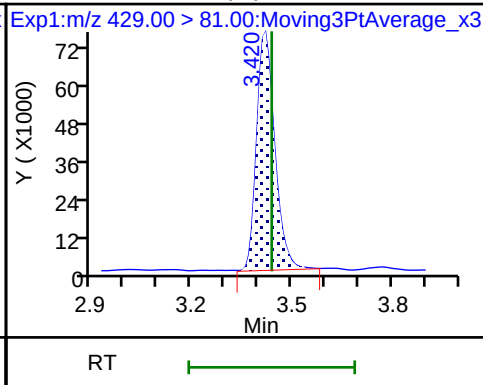
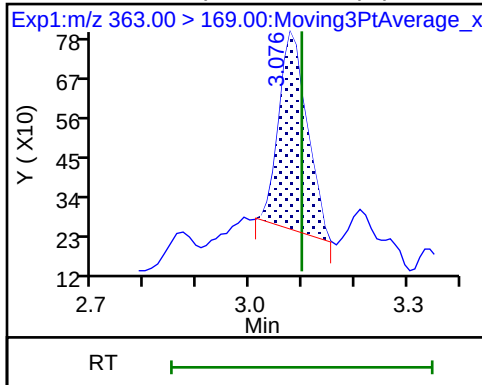
10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid (M)

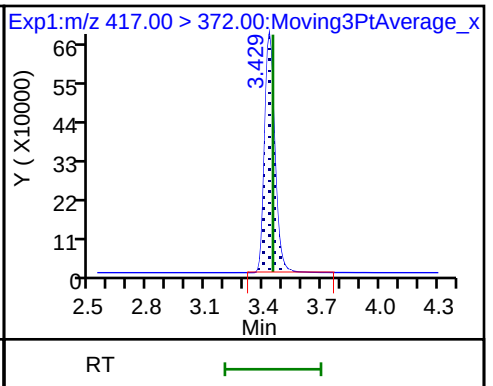
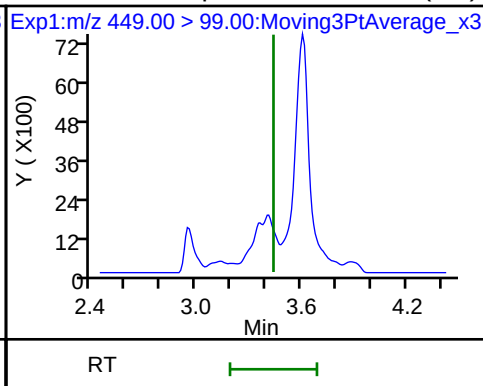
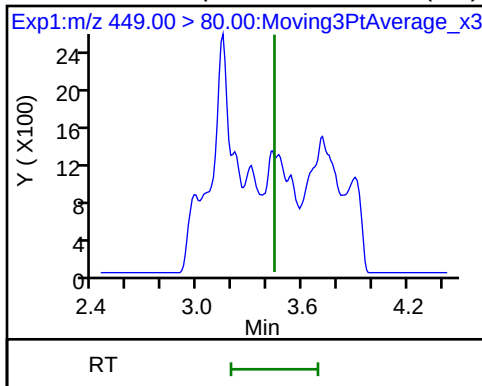
D 12 M2-6:2 FTS (M)

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



16 Perfluoroheptanesulfonic acid (ND)

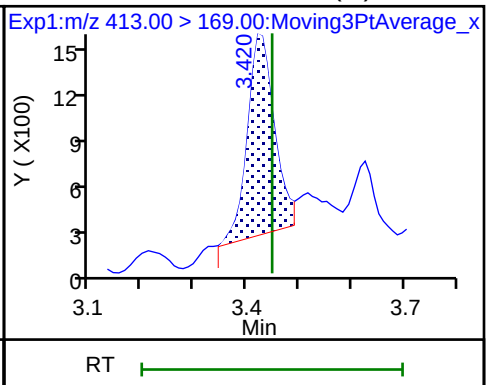
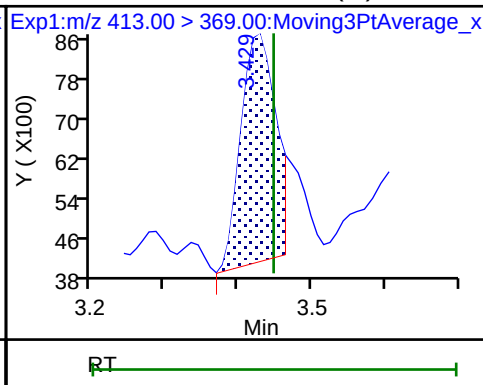
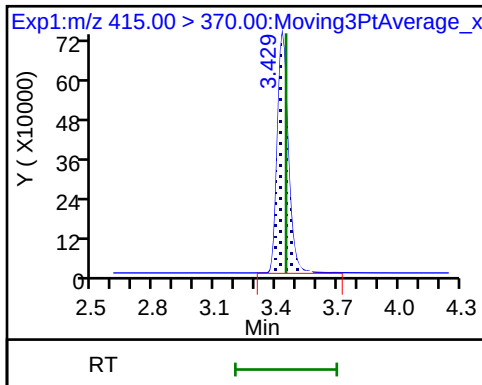
16 Perfluoroheptanesulfonic acid (ND) D 14 13C4 PFOA



* 62 13C2 PFOA

15 Perfluorooctanoic acid (M)

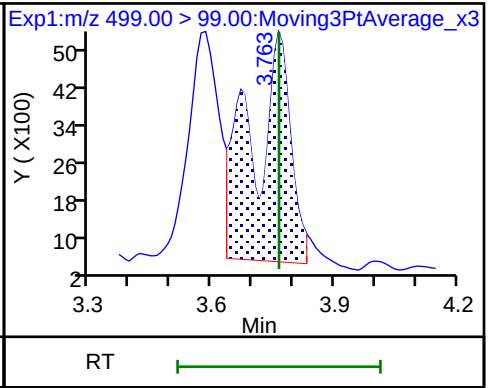
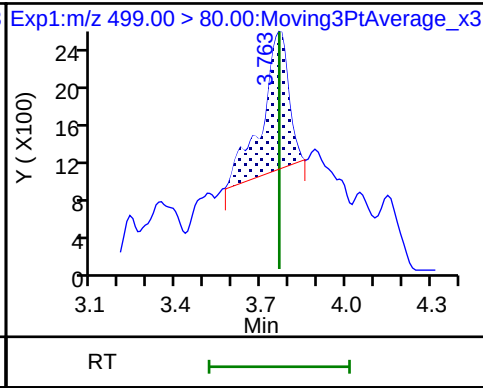
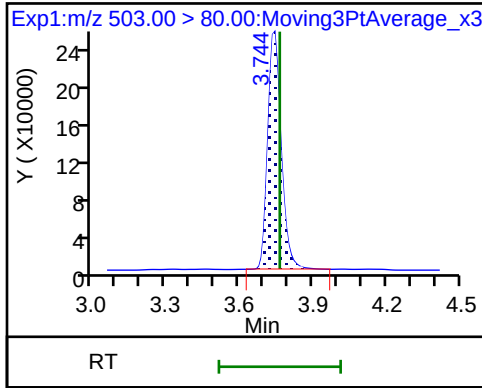
15 Perfluorooctanoic acid (M)



D 18 13C4 PFOS

17 Perfluorooctanesulfonic acid (M)

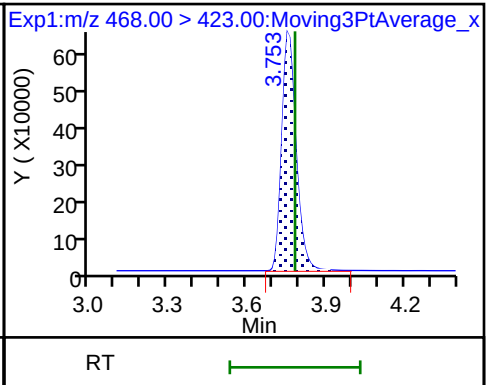
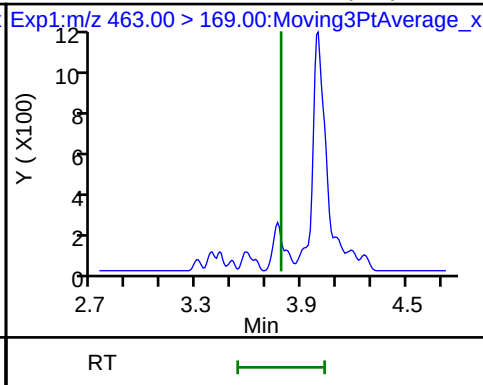
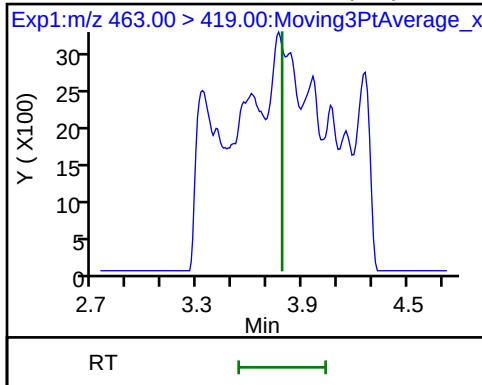
17 Perfluorooctanesulfonic acid (M)



20 Perfluorononanoic acid (ND)

20 Perfluorononanoic acid (ND)

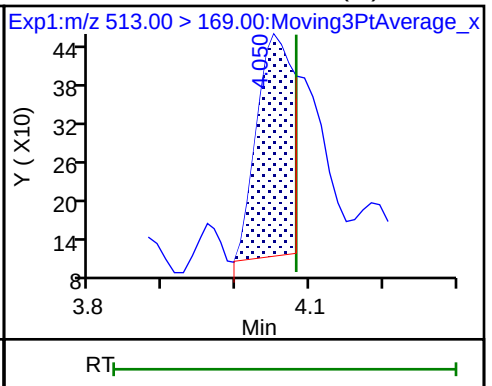
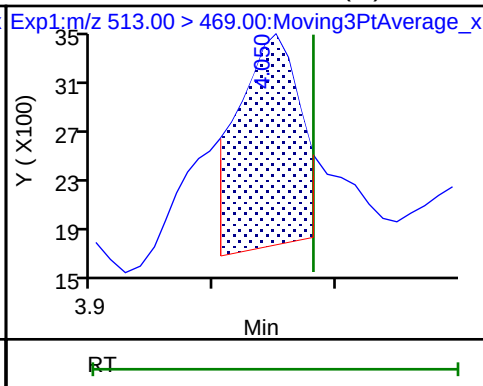
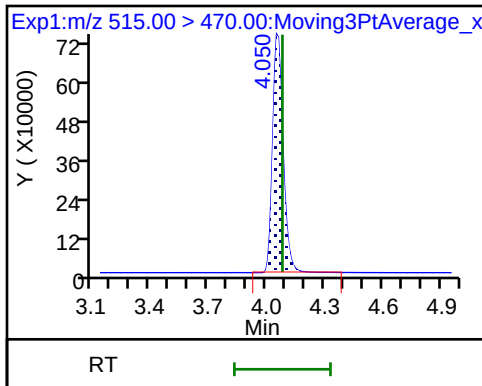
D 19 13C5 PFNA



D 23 13C2 PFDA

24 Perfluorodecanoic acid (M)

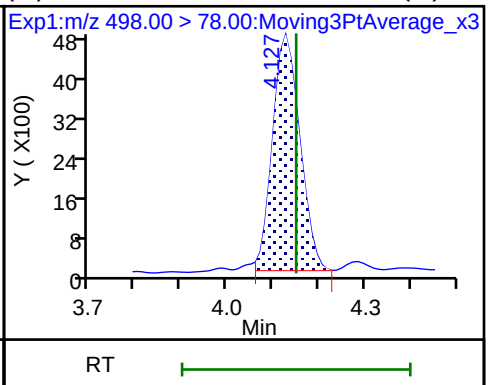
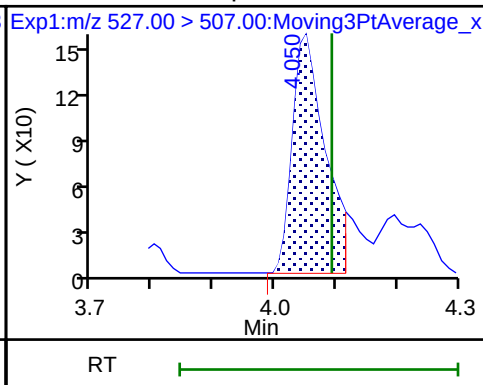
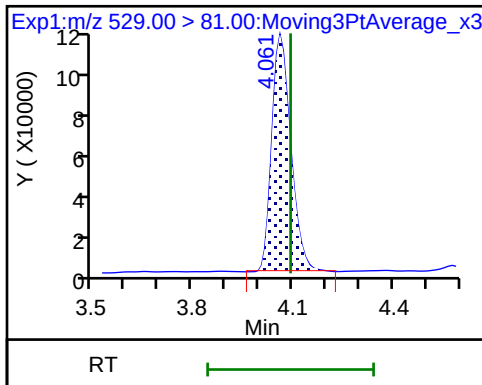
24 Perfluorodecanoic acid (M)



D 26 M2-8:2 FTS

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

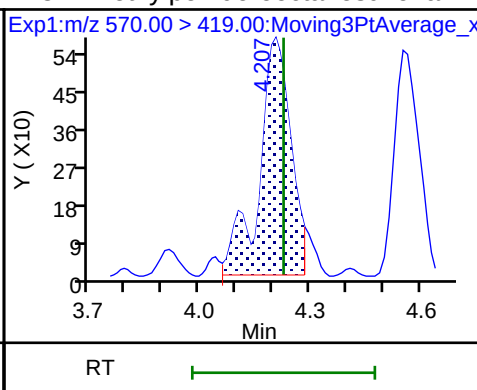
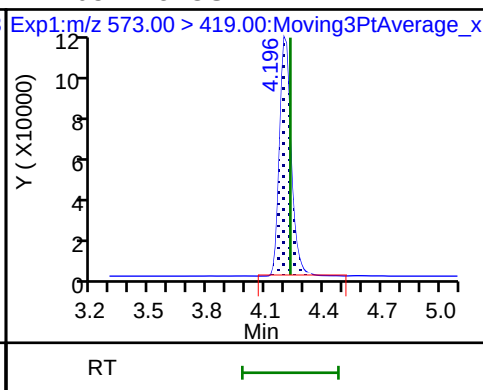
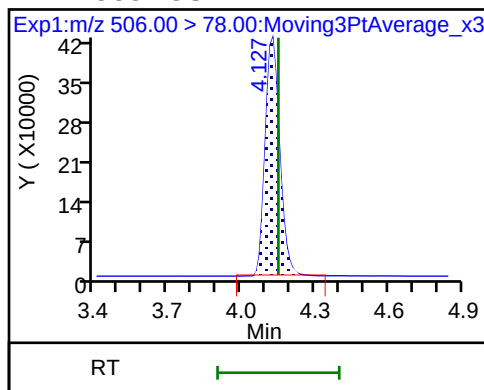
22 Perfluorooctanesulfonamide (M)



D 21 13C8 FOSA

D 27 d3-NMeFOSAA

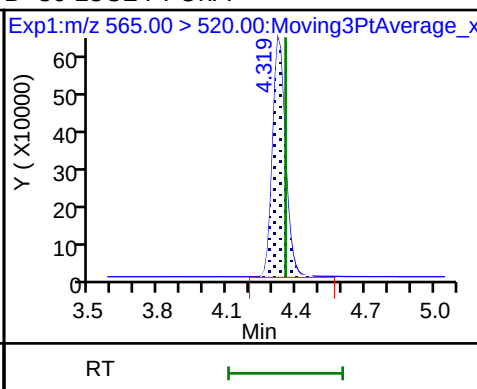
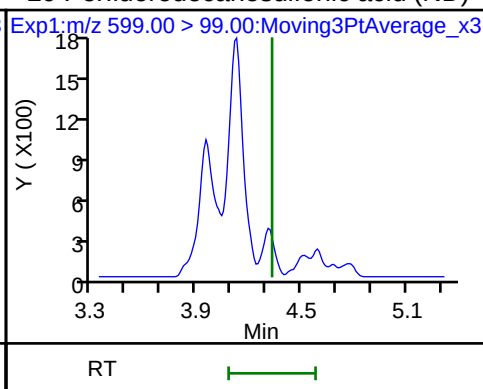
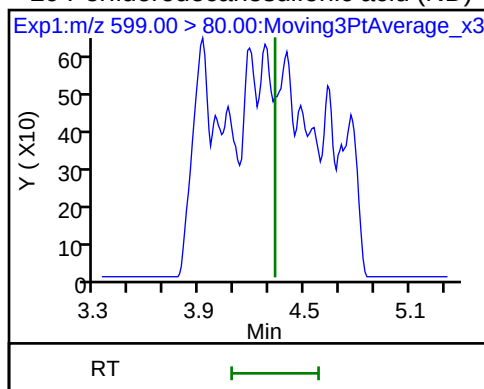
28 N-methylperfluorooctanesulfonami (M)



29 Perfluorodecanesulfonic acid (ND)

29 Perfluorodecanesulfonic acid (ND)

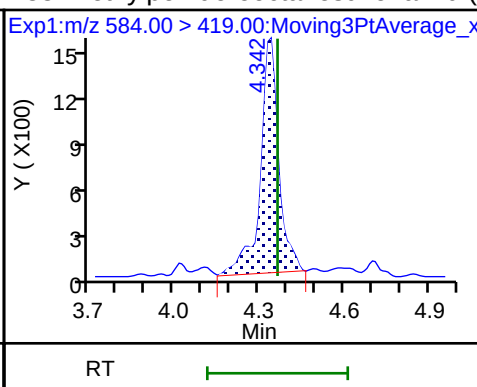
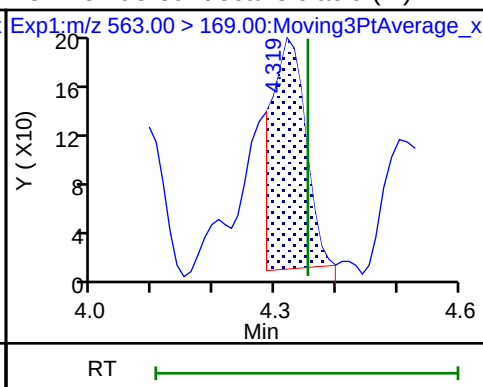
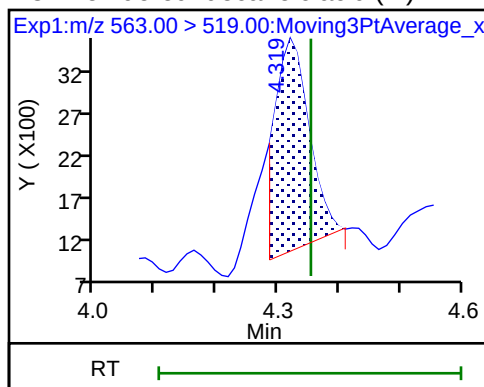
D 30 13C2 PFUnA



31 Perfluoroundecanoic acid (M)

31 Perfluoroundecanoic acid (M)

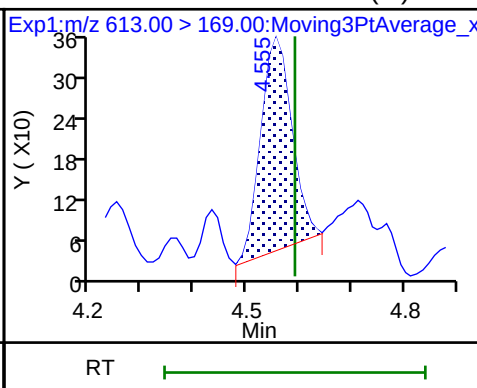
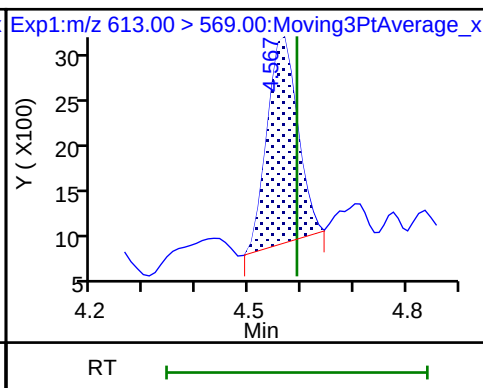
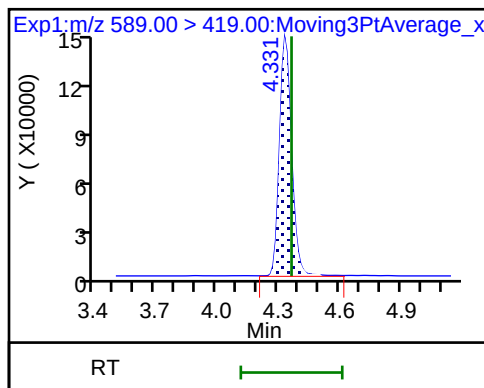
33 N-ethylperfluorooctanesulfonamid (M)



D 32 d5-NEtFOSAA

37 Perfluorododecanoic acid

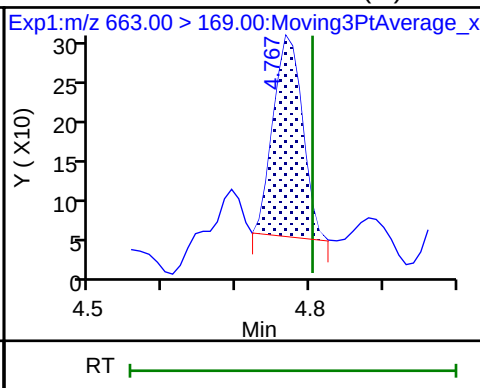
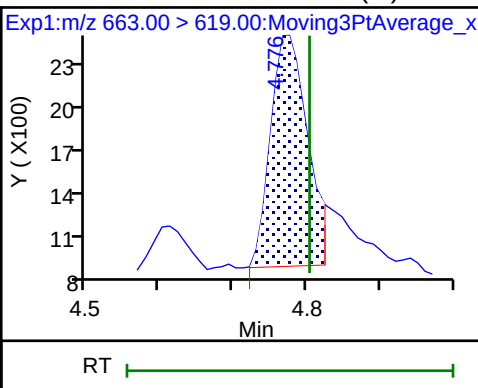
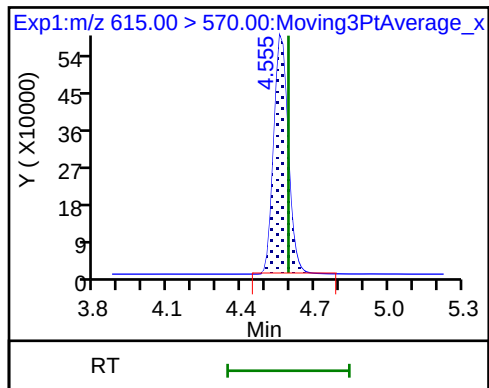
37 Perfluorododecanoic acid (M)



D 36 13C2 PFD_oA

41 Perfluorotridecanoic acid (M)

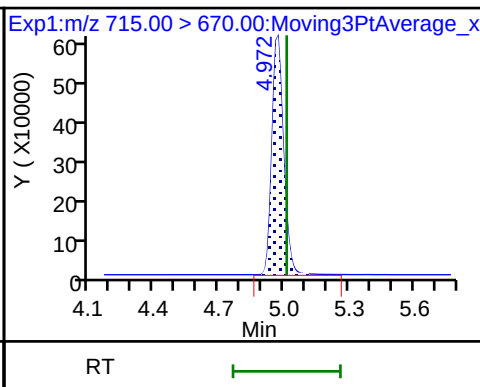
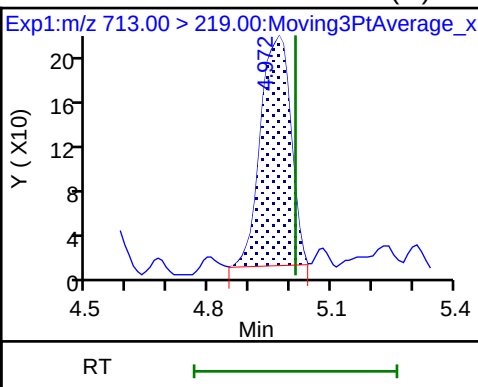
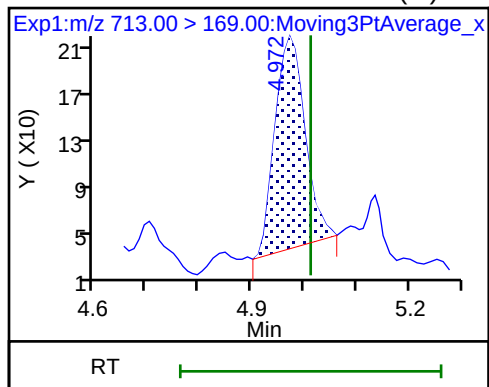
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

D 43 13C2 PFTeDA



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B17.d

Injection Date: 19-Dec-2022 20:22:51

Instrument ID: LC812

Lims ID: 460-271302-A-1-A

Lab Sample ID: 200-271302-1

Client ID: BCS-21-13_(13-13.5)P

Operator ID: lc812tech

ALS Bottle#: 17

Worklist Smp#: 17

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

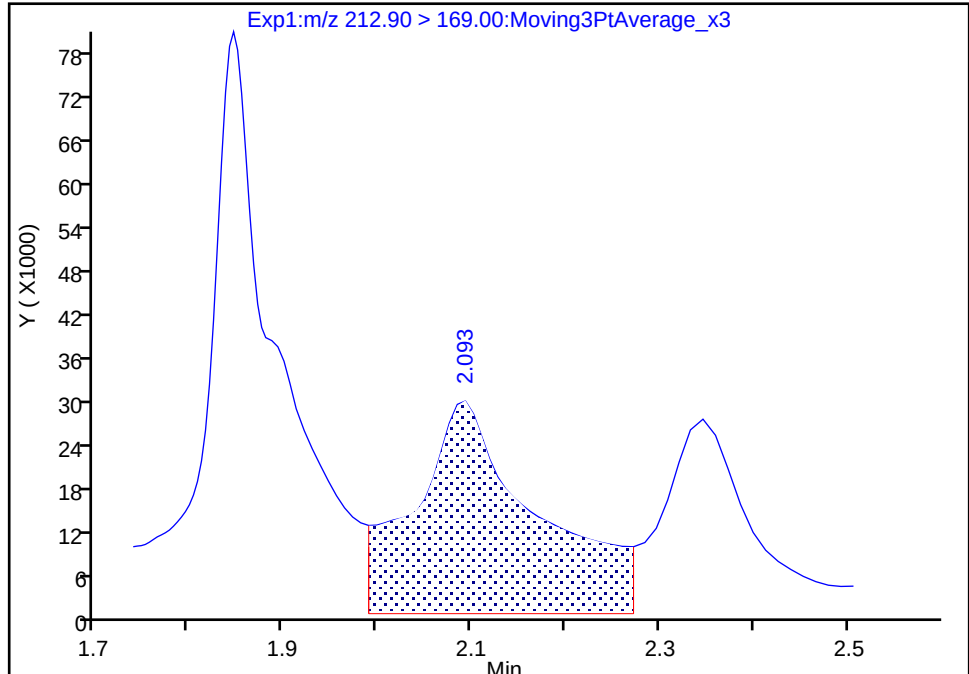
Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

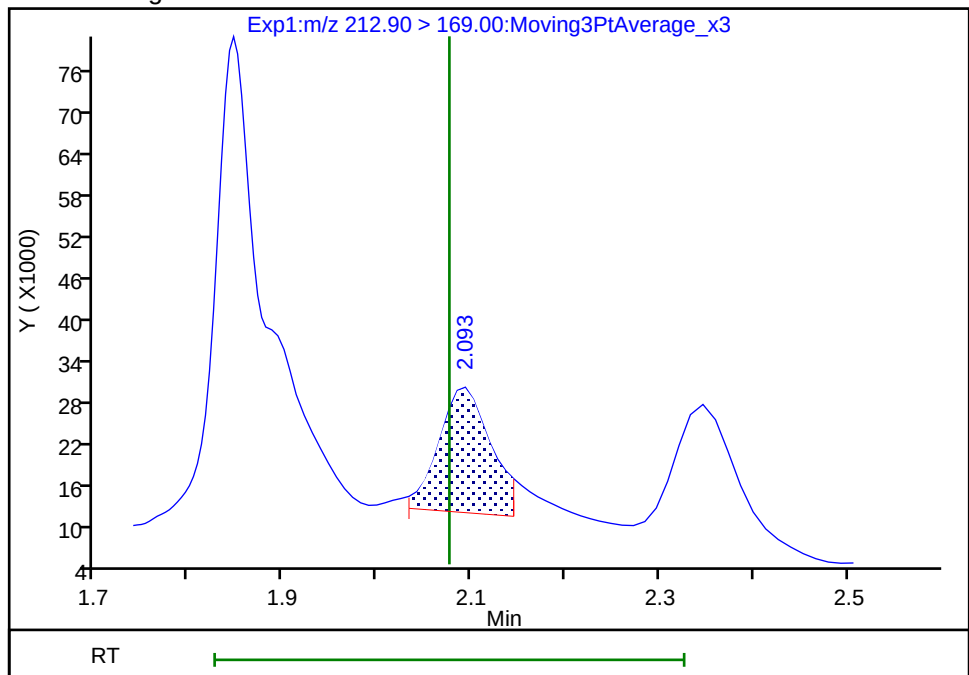
RT: 2.09
Area: 263474
Amount: 0.123449
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 69191
Amount: 0.032419
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:38:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

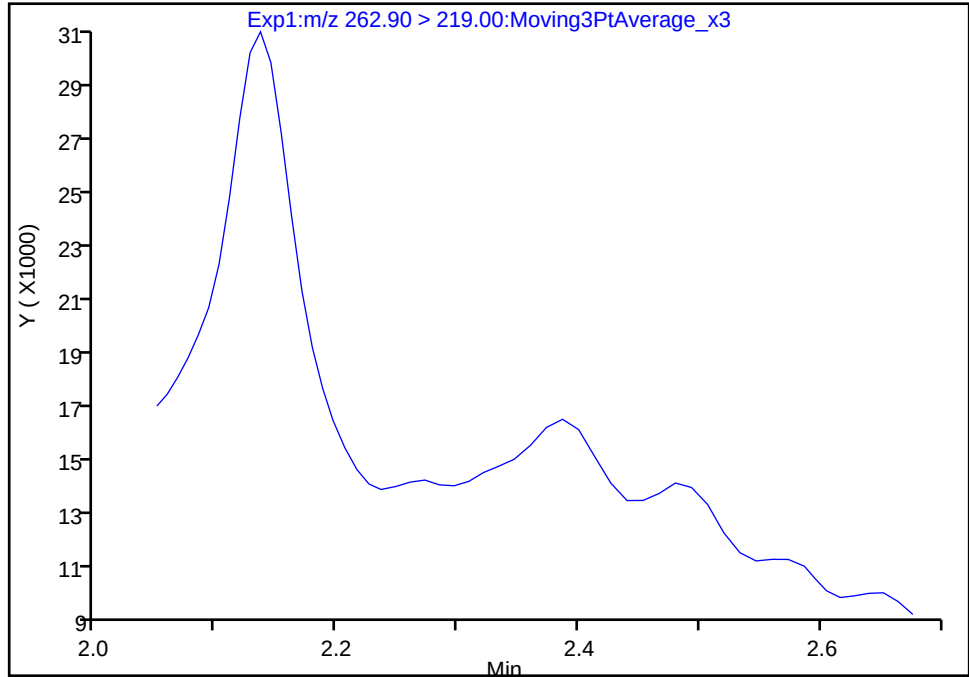
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B17.d
Injection Date: 19-Dec-2022 20:22:51 Instrument ID: LC812
Lims ID: 460-271302-A-1-A Lab Sample ID: 200-271302-1
Client ID: BCS-21-13_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

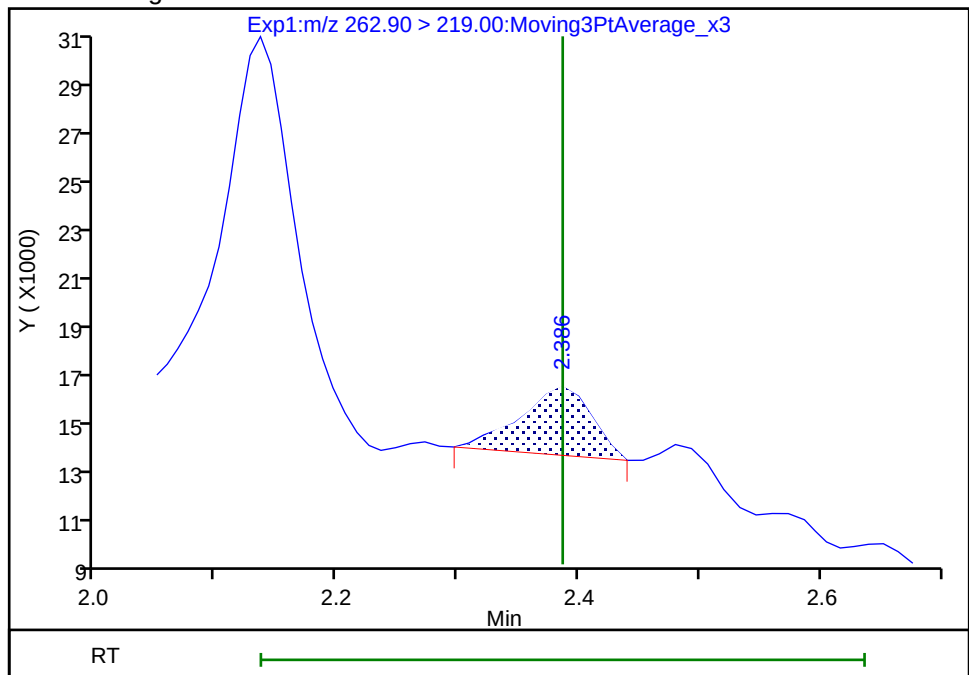
Not Detected
Expected RT: 2.39

Processing Integration Results



RT: 2.39
Area: 11111
Amount: 0.006606
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:38:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

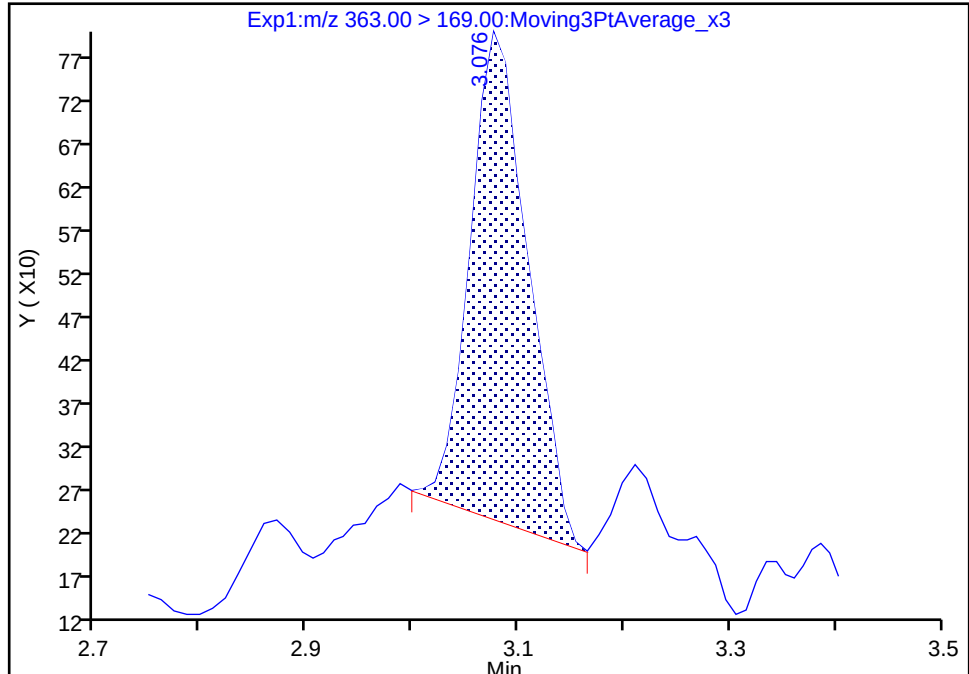
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B17.d
Injection Date: 19-Dec-2022 20:22:51 Instrument ID: LC812
Lims ID: 460-271302-A-1-A Lab Sample ID: 200-271302-1
Client ID: BCS-21-13_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 20.0 ul 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

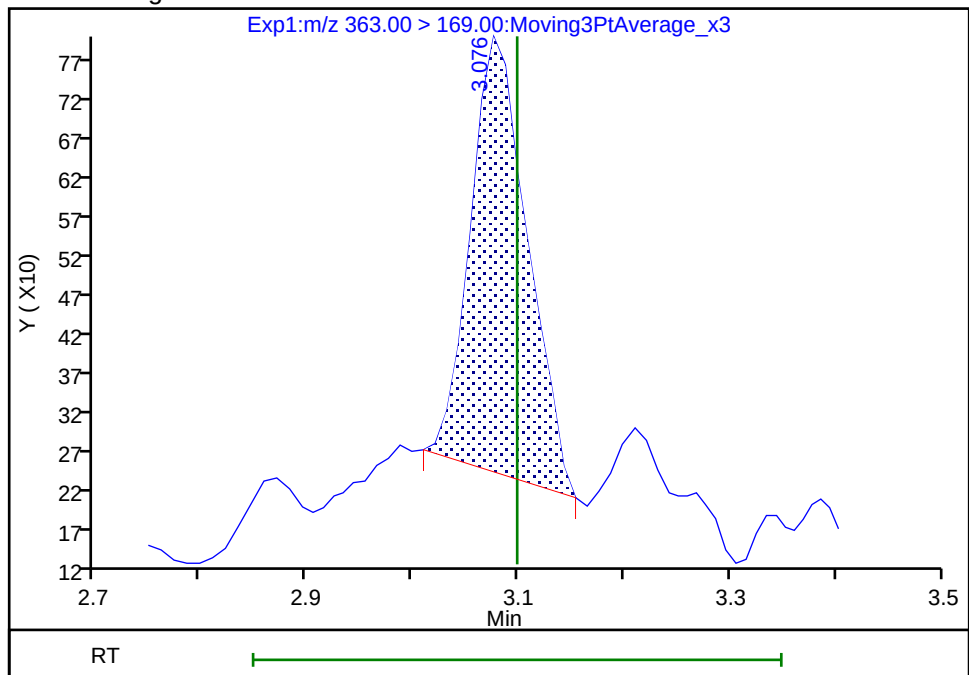
RT: 3.08
Area: 2143
Amount: 0.001790
Amount Units: ng/ml

Processing Integration Results



RT: 3.08
Area: 2082
Amount: 0.003266
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:39:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

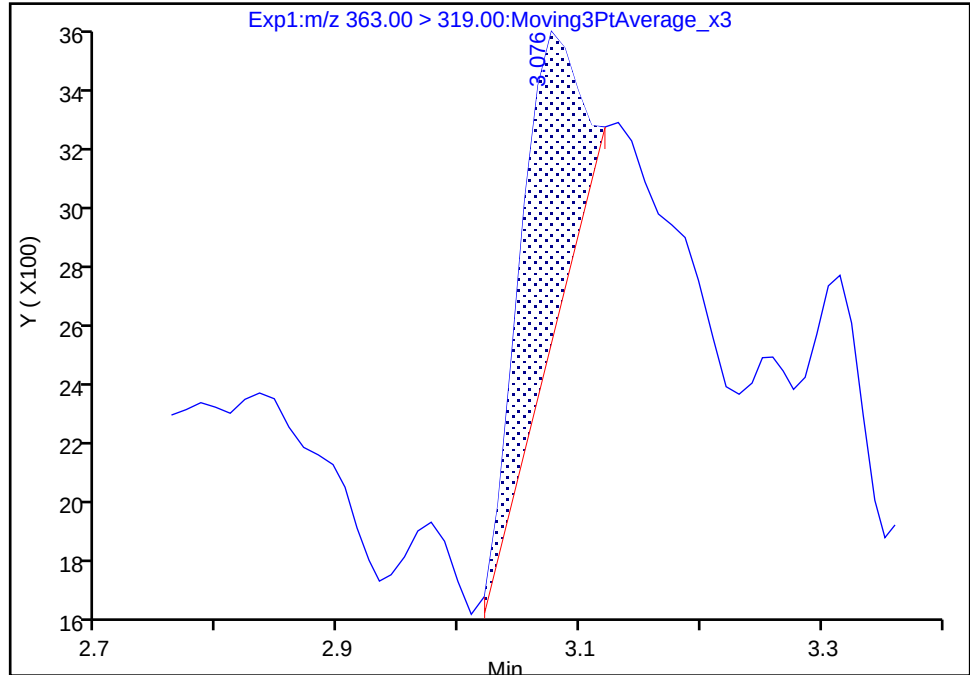
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B17.d
Injection Date: 19-Dec-2022 20:22:51 Instrument ID: LC812
Lims ID: 460-271302-A-1-A Lab Sample ID: 200-271302-1
Client ID: BCS-21-13_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

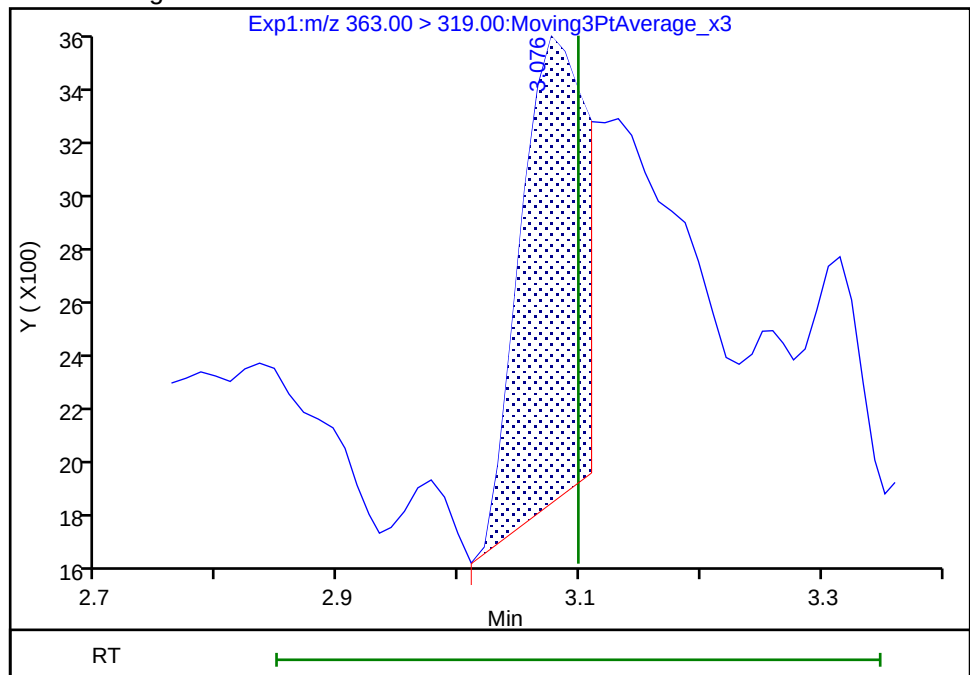
RT: 3.08
Area: 3360
Amount: 0.001790
Amount Units: ng/ml

Processing Integration Results



RT: 3.08
Area: 6130
Amount: 0.003266
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:39:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 51 of 102212/27/2022
2:52 PM

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B17.d

Injection Date: 19-Dec-2022 20:22:51

Instrument ID: LC812

Lims ID: 460-271302-A-1-A

Lab Sample ID: 200-271302-1

Client ID: BCS-21-13_(13-13.5)P

Operator ID: lc812tech

ALS Bottle#: 17

Worklist Smp#: 17

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

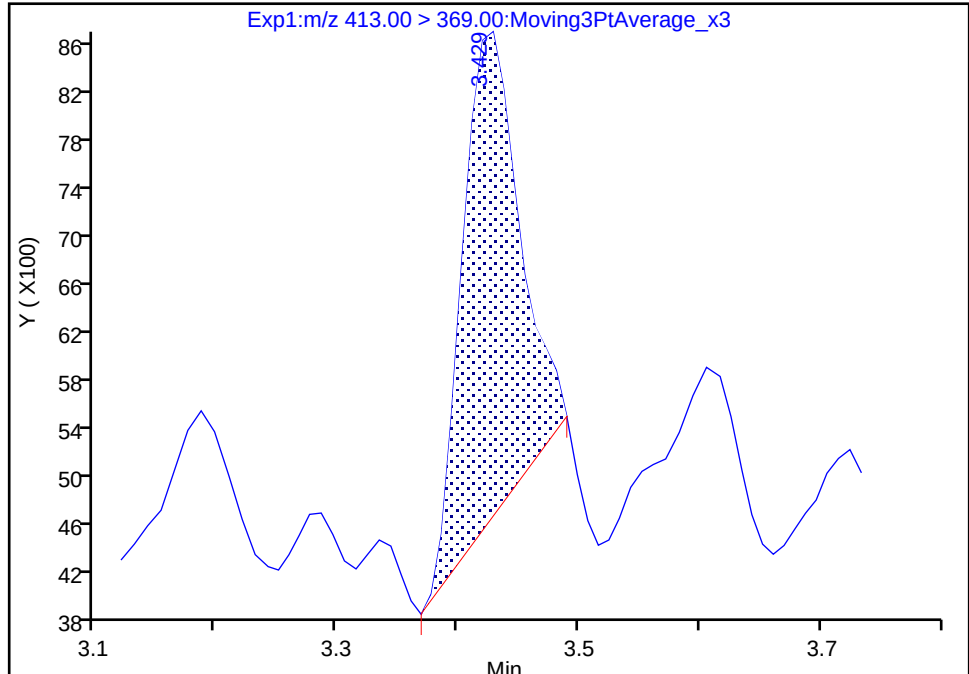
Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

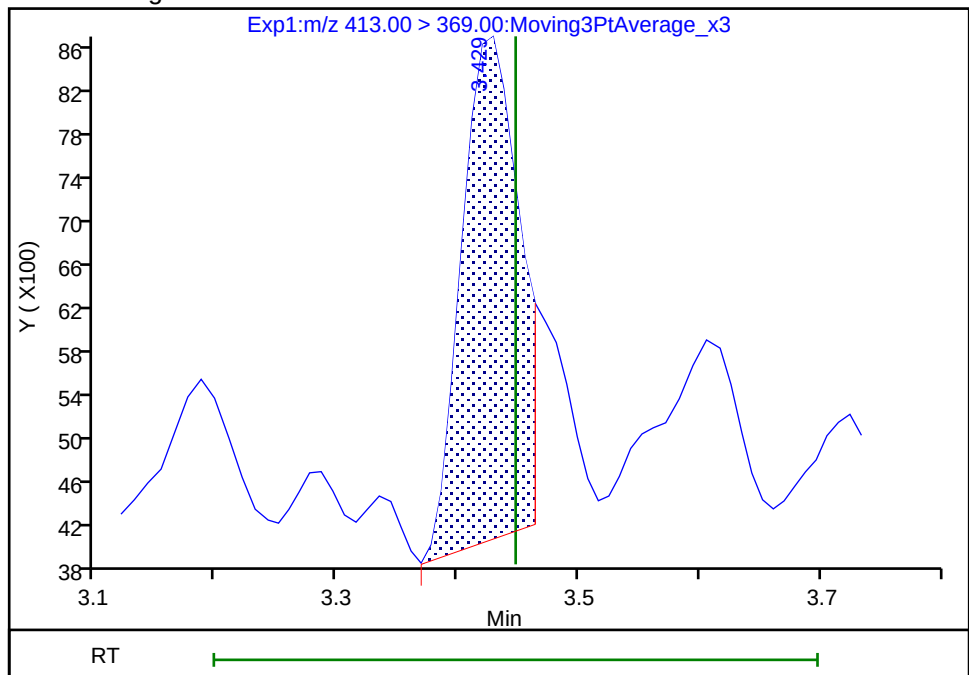
RT: 3.43
Area: 13356
Amount: 0.006253
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 14981
Amount: 0.007014
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:39:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

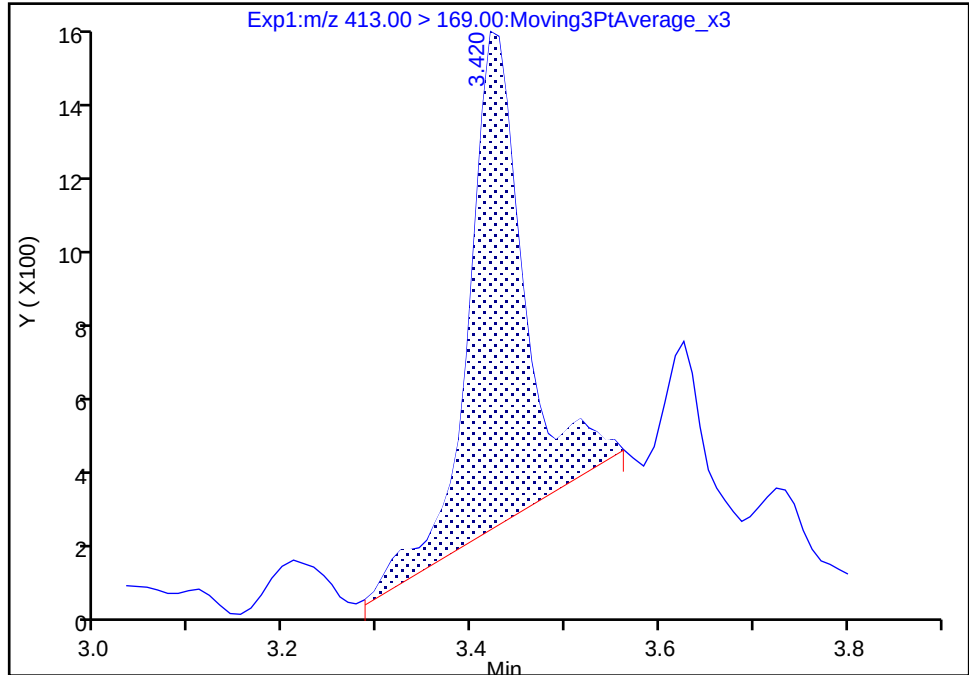
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B17.d
Injection Date: 19-Dec-2022 20:22:51 Instrument ID: LC812
Lims ID: 460-271302-A-1-A Lab Sample ID: 200-271302-1
Client ID: BCS-21-13_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

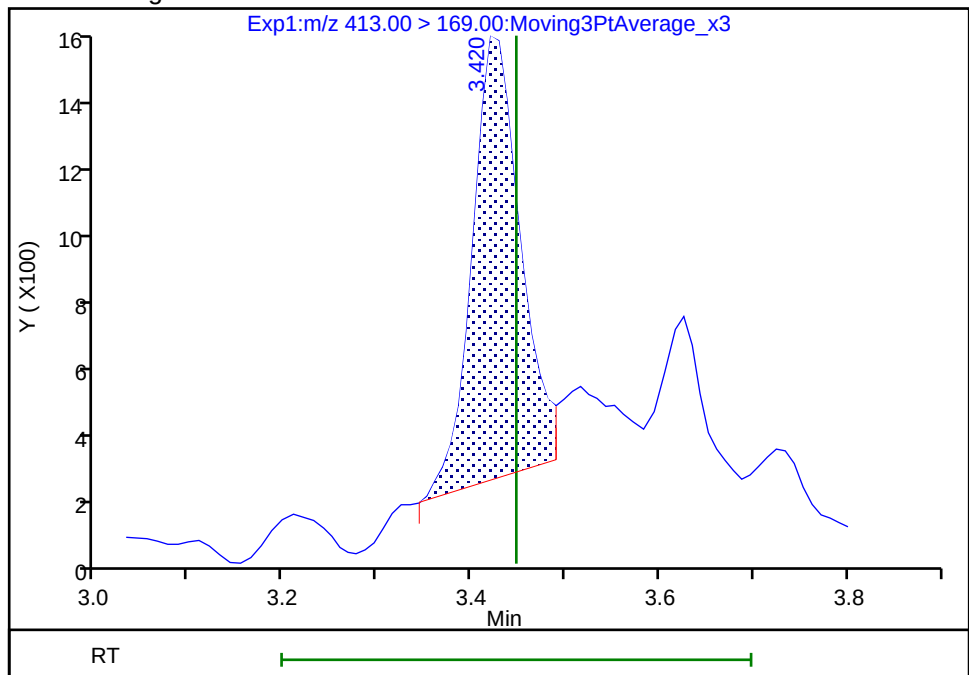
RT: 3.42
Area: 5251
Amount: 0.006253
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 4490
Amount: 0.007014
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:39:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

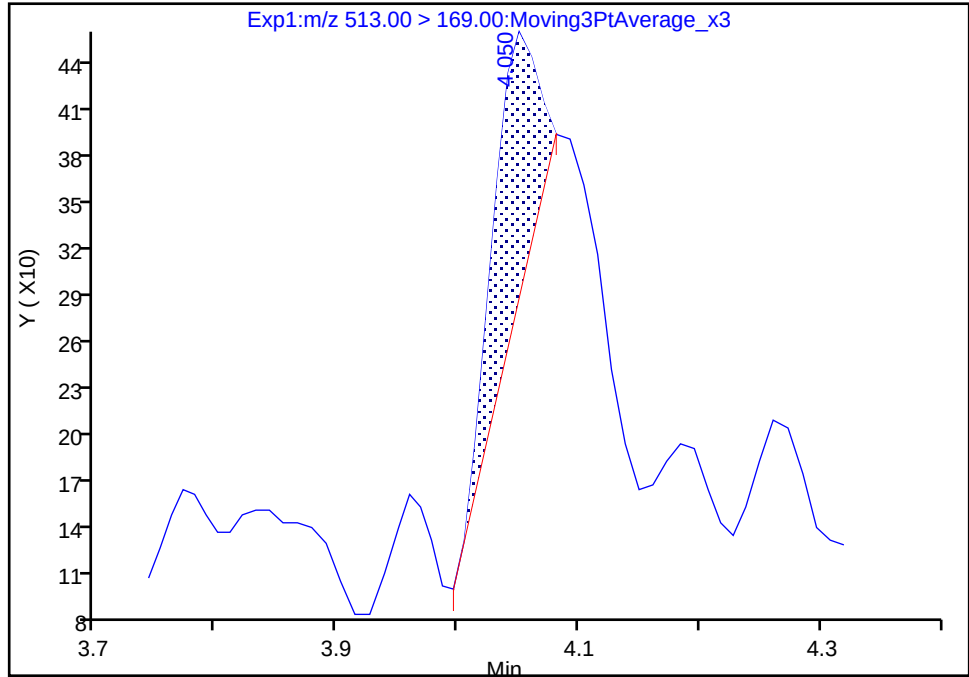
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B17.d
Injection Date: 19-Dec-2022 20:22:51 Instrument ID: LC812
Lims ID: 460-271302-A-1-A Lab Sample ID: 200-271302-1
Client ID: BCS-21-13_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

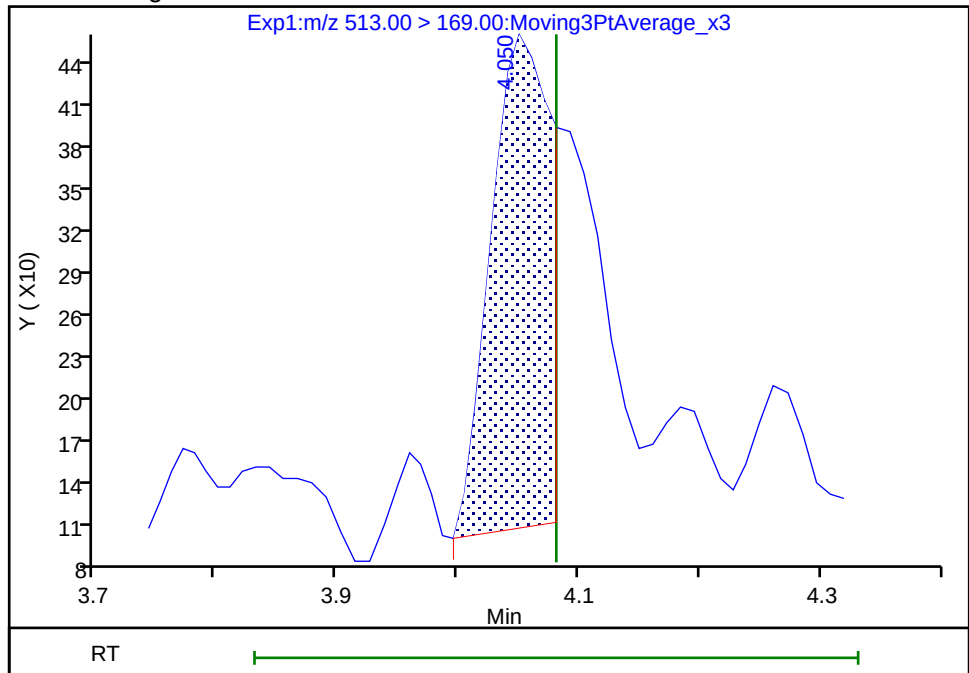
RT: 4.05
Area: 435
Amount: 0.002683
Amount Units: ng/ml

Processing Integration Results



RT: 4.05
Area: 1146
Amount: 0.002465
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 22-Dec-2022 09:21:15
Audit Action: Manually Integrated

Audit Reason: Missed Peak
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Eurofins Burlington

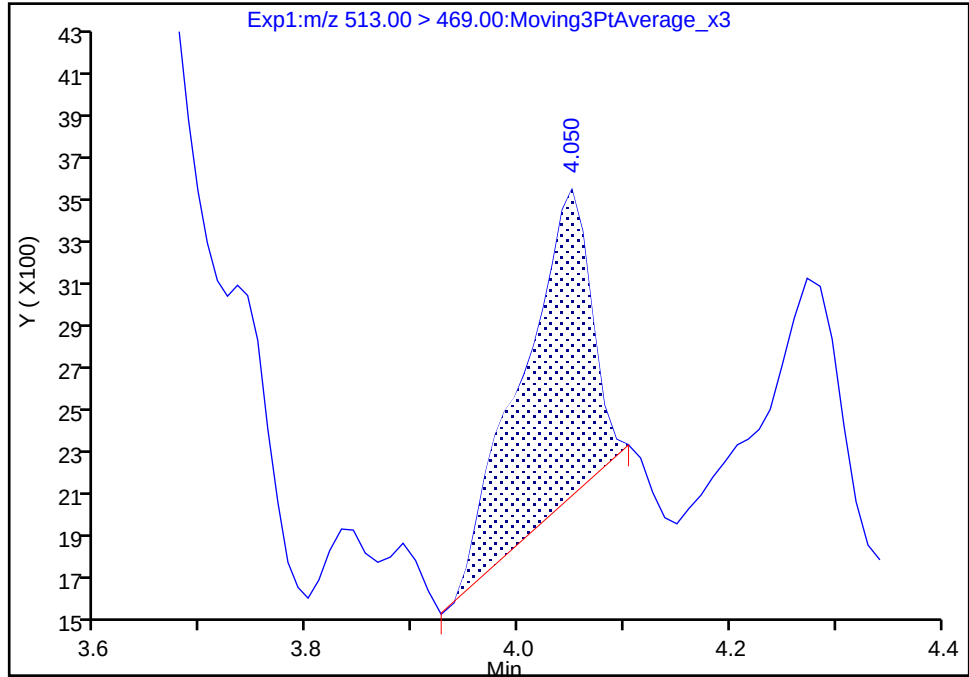
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B17.d
Injection Date: 19-Dec-2022 20:22:51 Instrument ID: LC812
Lims ID: 460-271302-A-1-A Lab Sample ID: 200-271302-1
Client ID: BCS-21-13_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

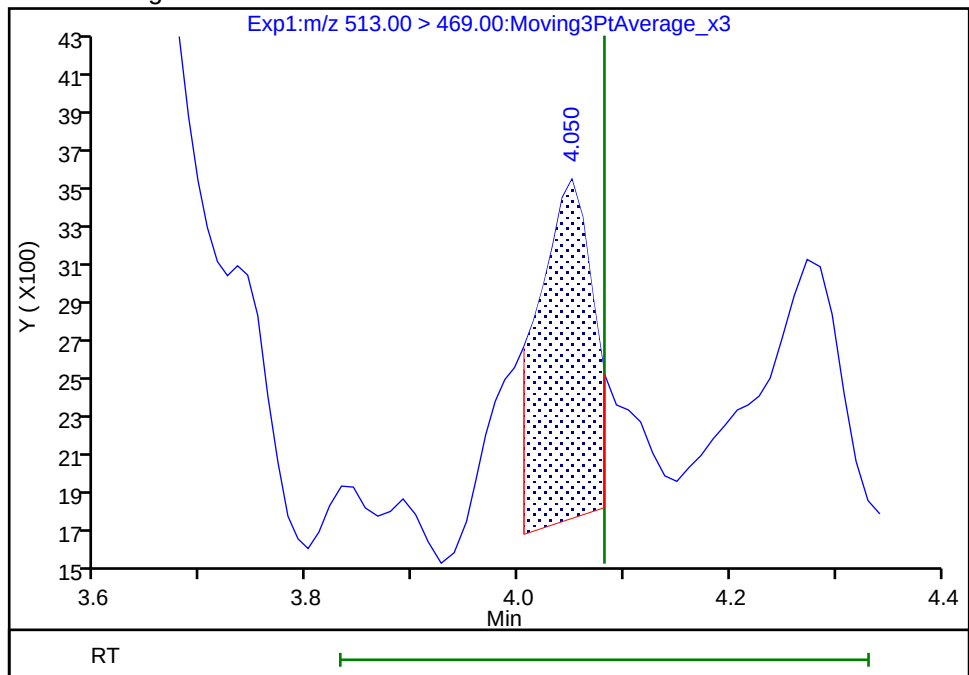
RT: 4.05
Area: 6488
Amount: 0.002683
Amount Units: ng/ml

Processing Integration Results



RT: 4.05
Area: 5960
Amount: 0.002465
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 22-Dec-2022 09:21:24

Audit Action: Manually Integrated

Audit Reason: Missed Peak
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Eurofins Burlington

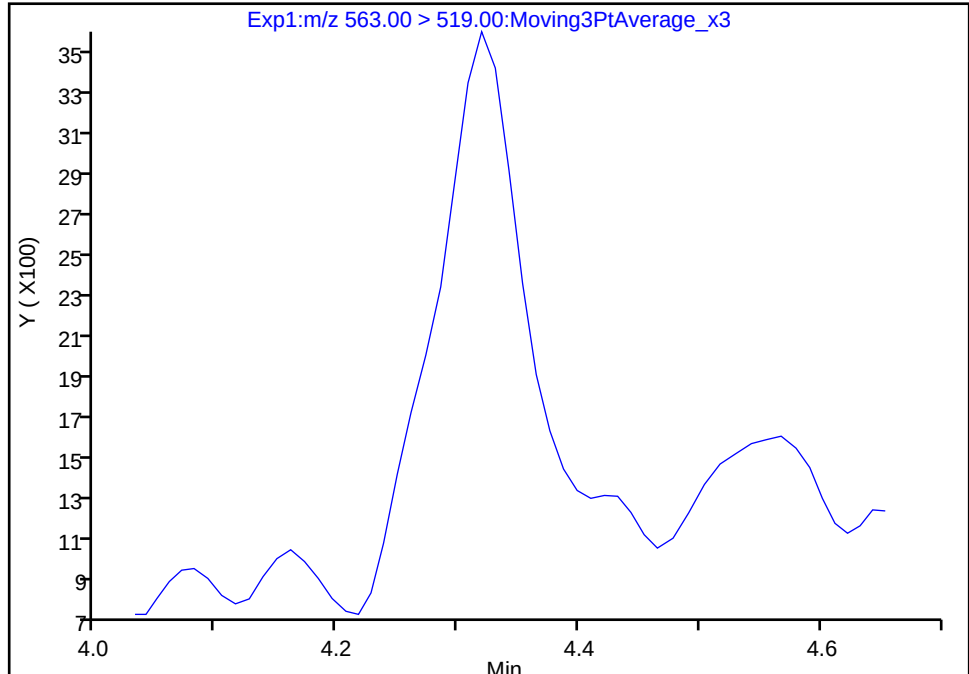
Data File:	\\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B17.d				
Injection Date:	19-Dec-2022 20:22:51	Instrument ID:	LC812		
Lims ID:	460-271302-A-1-A	Lab Sample ID:	200-271302-1		
Client ID:	BCS-21-13_(13-13.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

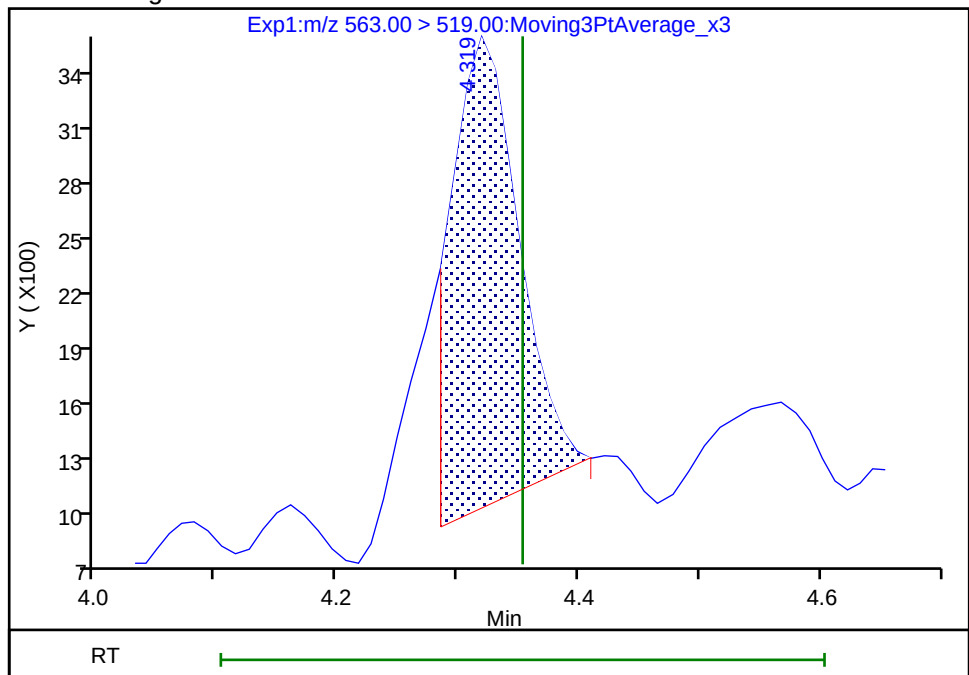
Not Detected
Expected RT: 4.35

Processing Integration Results



RT: 4.32
Area: 9611
Amount: 0.004730
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:41:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

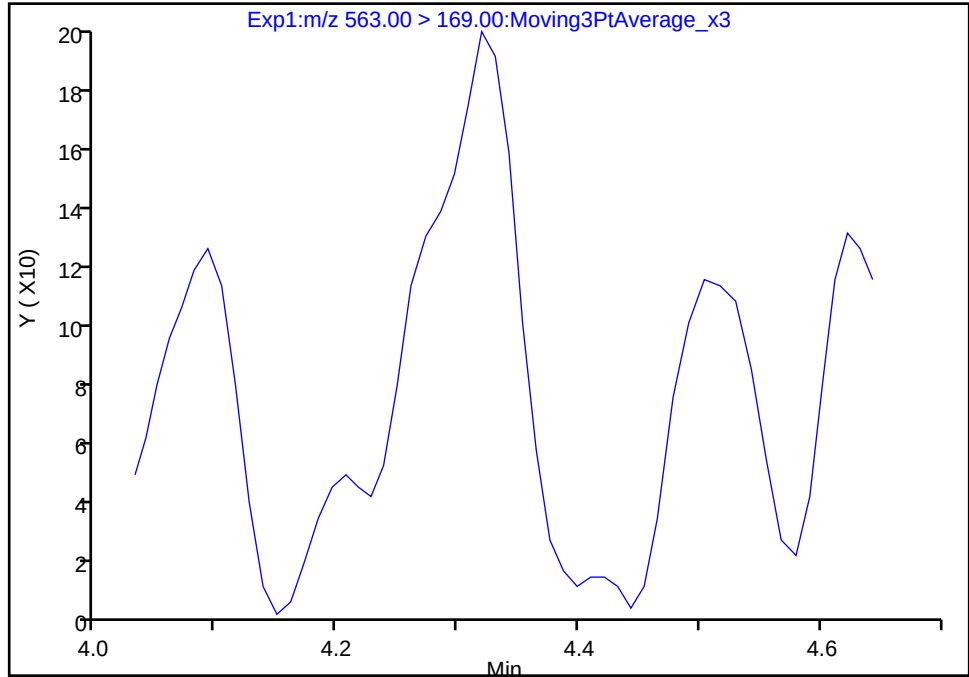
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B17.d
Injection Date: 19-Dec-2022 20:22:51 Instrument ID: LC812
Lims ID: 460-271302-A-1-A Lab Sample ID: 200-271302-1
Client ID: BCS-21-13_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

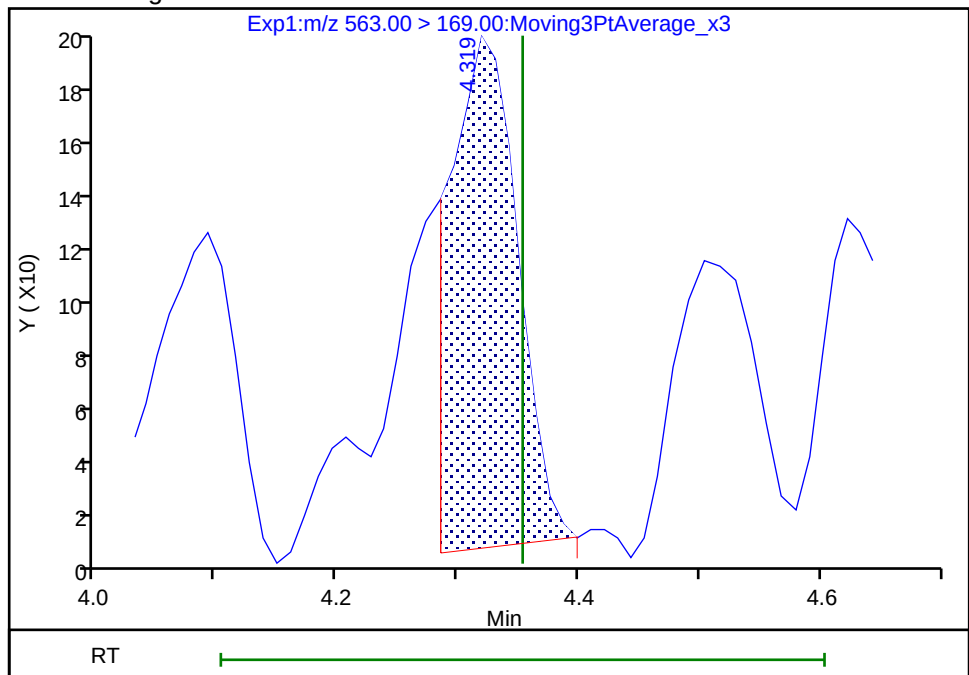
Not Detected
Expected RT: 4.35

Processing Integration Results



Manual Integration Results

RT: 4.32
Area: 688
Amount: 0.004730
Amount Units: ng/ml



Reviewer: khanphomeea, 20-Dec-2022 14:41:07

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

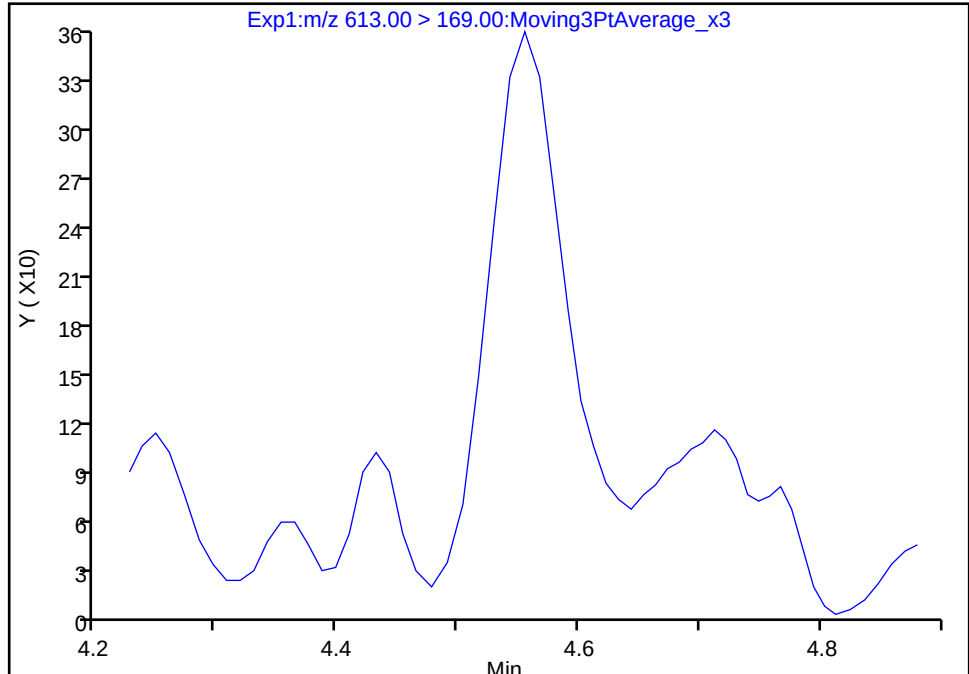
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B17.d
Injection Date: 19-Dec-2022 20:22:51 Instrument ID: LC812
Lims ID: 460-271302-A-1-A Lab Sample ID: 200-271302-1
Client ID: BCS-21-13_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

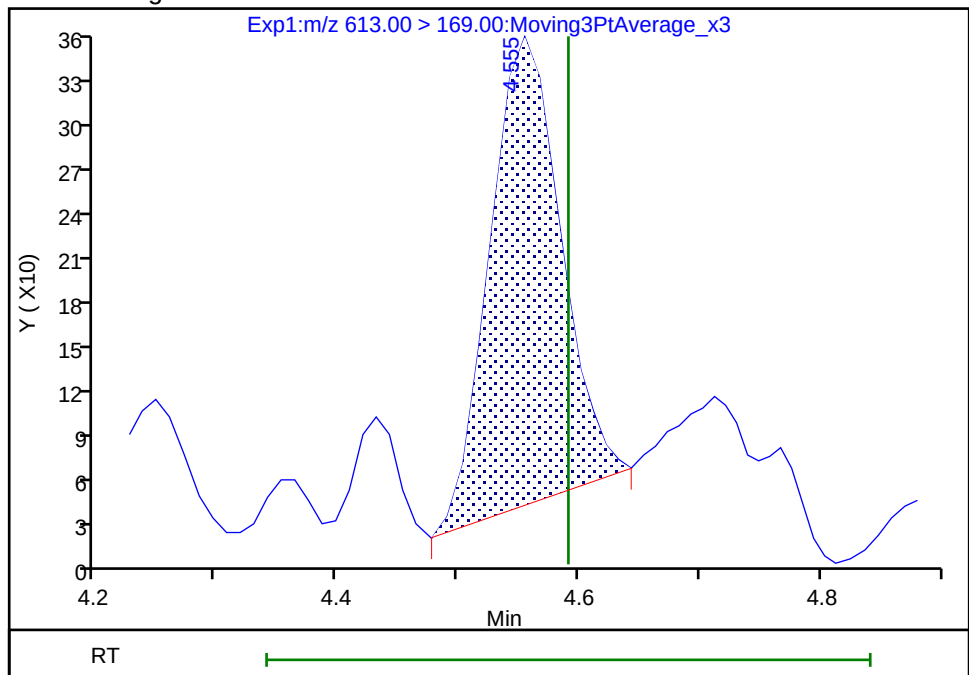
Not Detected
Expected RT: 4.59

Processing Integration Results



RT: 4.56
Area: 1313
Amount: 0.004387
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:41:30

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

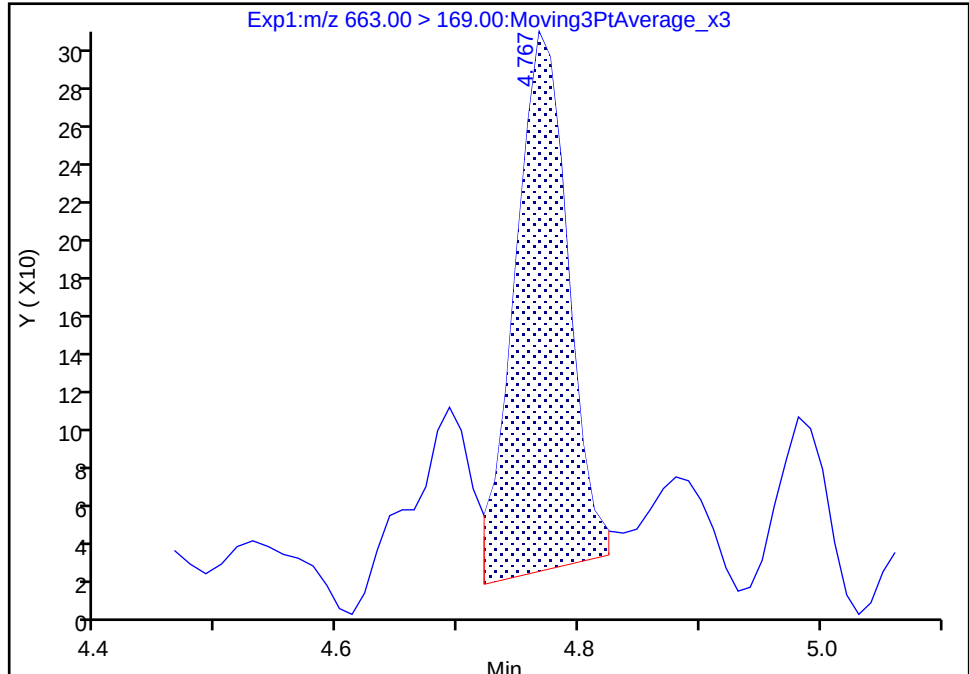
Data File:	\\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B17.d				
Injection Date:	19-Dec-2022 20:22:51	Instrument ID:	LC812		
Lims ID:	460-271302-A-1-A	Lab Sample ID:	200-271302-1		
Client ID:	BCS-21-13_(13-13.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

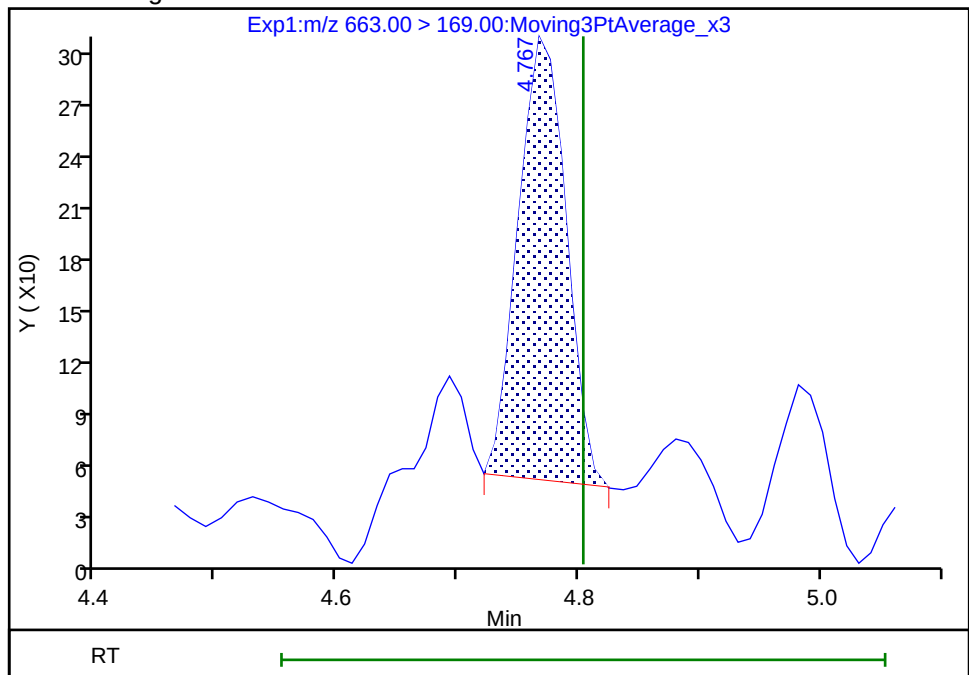
RT: 4.77
Area: 845
Amount: 0.004059
Amount Units: ng/ml

Processing Integration Results



RT: 4.77
Area: 699
Amount: 0.002747
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:41:41

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

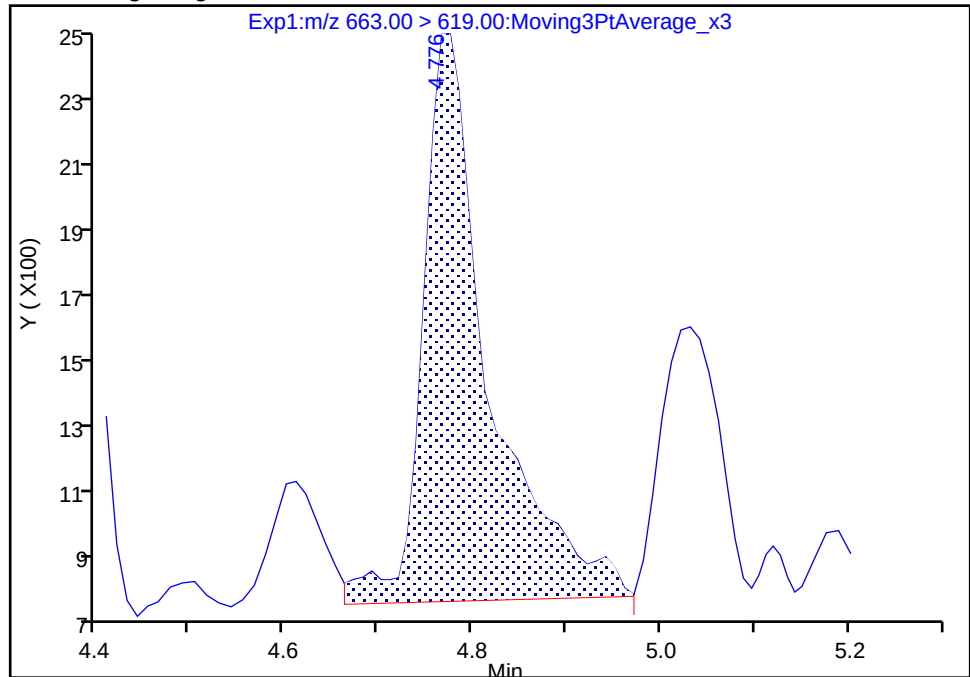
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B17.d
Injection Date: 19-Dec-2022 20:22:51 Instrument ID: LC812
Lims ID: 460-271302-A-1-A Lab Sample ID: 200-271302-1
Client ID: BCS-21-13_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

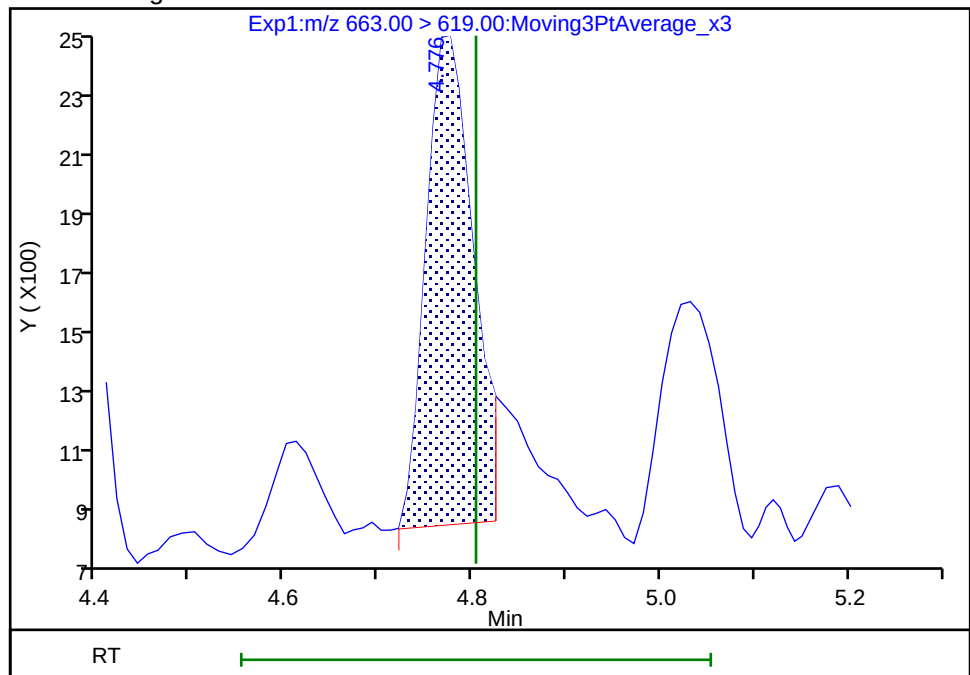
RT: 4.78
Area: 7887
Amount: 0.004059
Amount Units: ng/ml

Processing Integration Results



RT: 4.78
Area: 5337
Amount: 0.002747
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:41:52

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

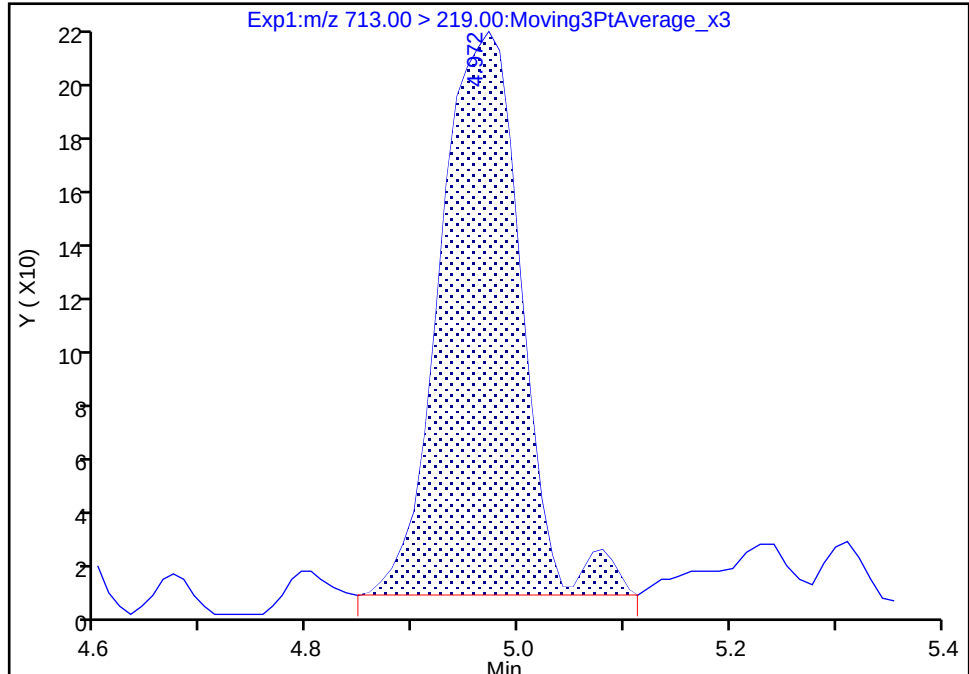
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B17.d
Injection Date: 19-Dec-2022 20:22:51 Instrument ID: LC812
Lims ID: 460-271302-A-1-A Lab Sample ID: 200-271302-1
Client ID: BCS-21-13_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

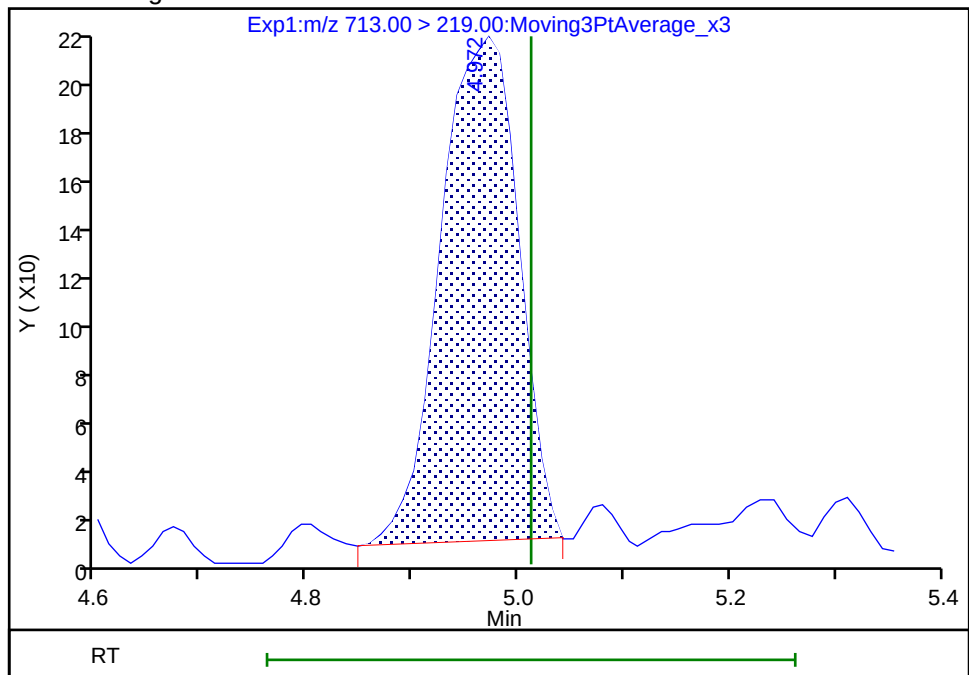
RT: 4.97
Area: 1114
Amount: 0.002420
Amount Units: ng/ml

Processing Integration Results



RT: 4.97
Area: 1060
Amount: 0.002829
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:42:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

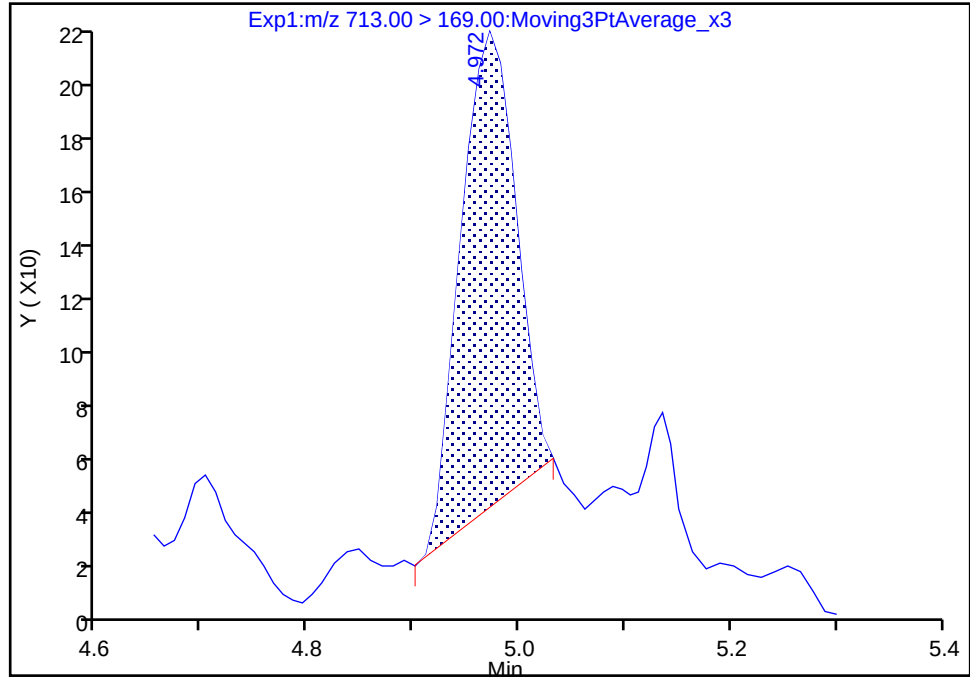
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B17.d
Injection Date: 19-Dec-2022 20:22:51 Instrument ID: LC812
Lims ID: 460-271302-A-1-A Lab Sample ID: 200-271302-1
Client ID: BCS-21-13_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

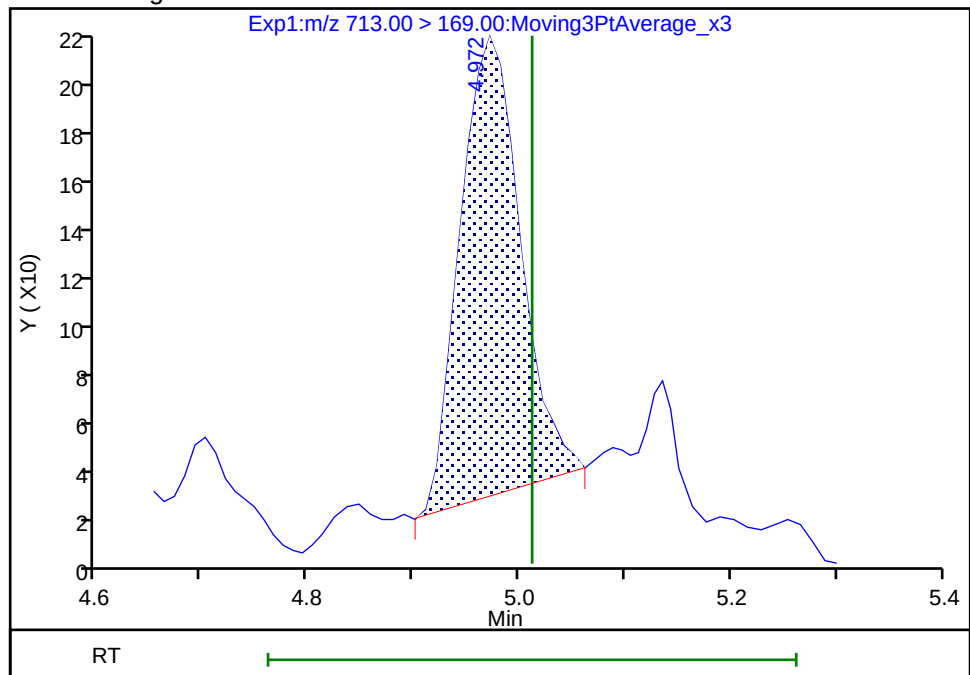
RT: 4.97
Area: 609
Amount: 0.002420
Amount Units: ng/ml

Processing Integration Results



RT: 4.97
Area: 712
Amount: 0.002829
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:42:06

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B17.d

Injection Date: 19-Dec-2022 20:22:51

Instrument ID: LC812

Lims ID: 460-271302-A-1-A

Lab Sample ID: 200-271302-1

Client ID: BCS-21-13_(13-13.5)P

Operator ID: lc812tech

ALS Bottle#: 17

Worklist Smp#: 17

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

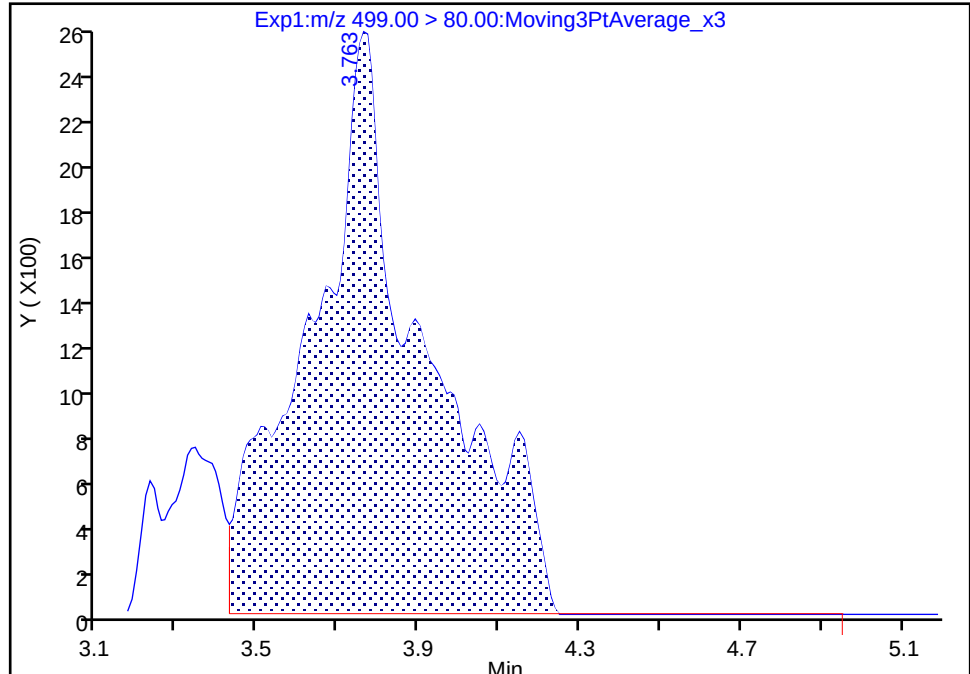
Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

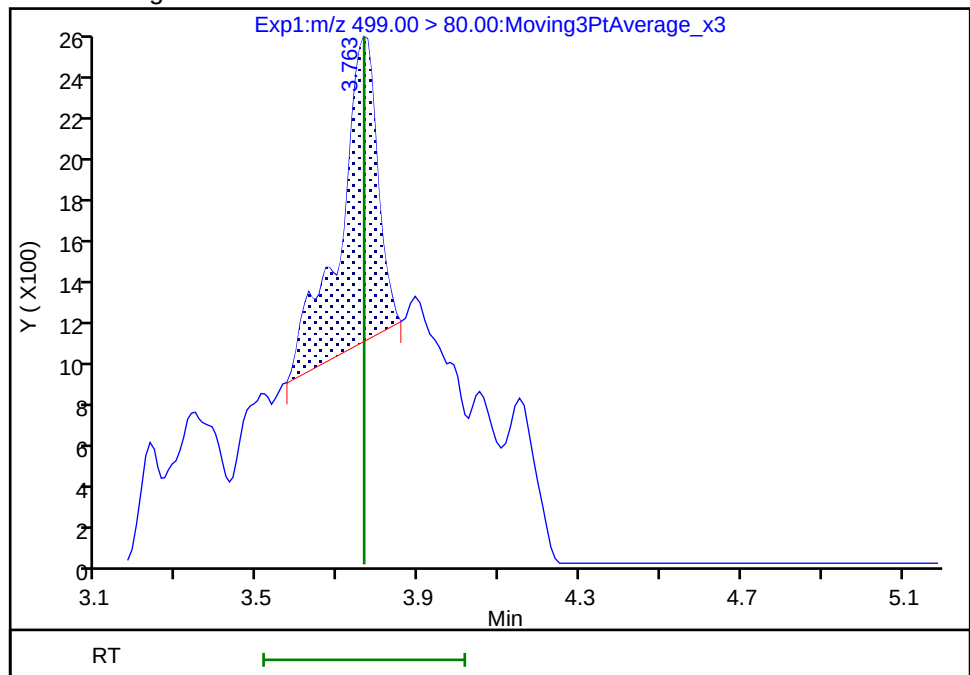
RT: 3.76
Area: 52321
Amount: 0.053058
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 9778
Amount: 0.009916
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:39:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

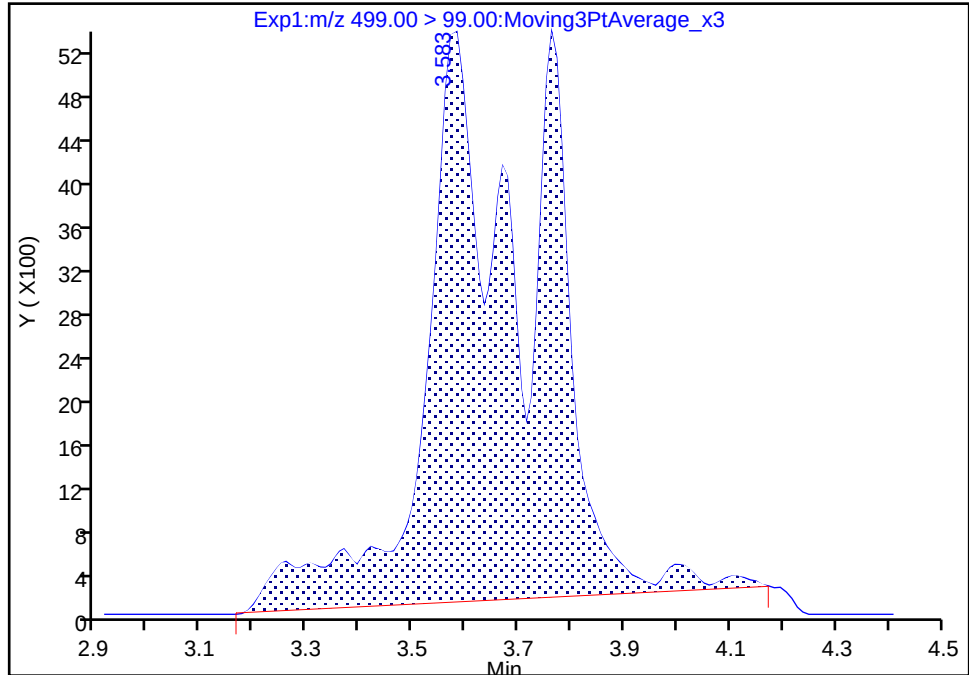
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B17.d
Injection Date: 19-Dec-2022 20:22:51 Instrument ID: LC812
Lims ID: 460-271302-A-1-A Lab Sample ID: 200-271302-1
Client ID: BCS-21-13_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

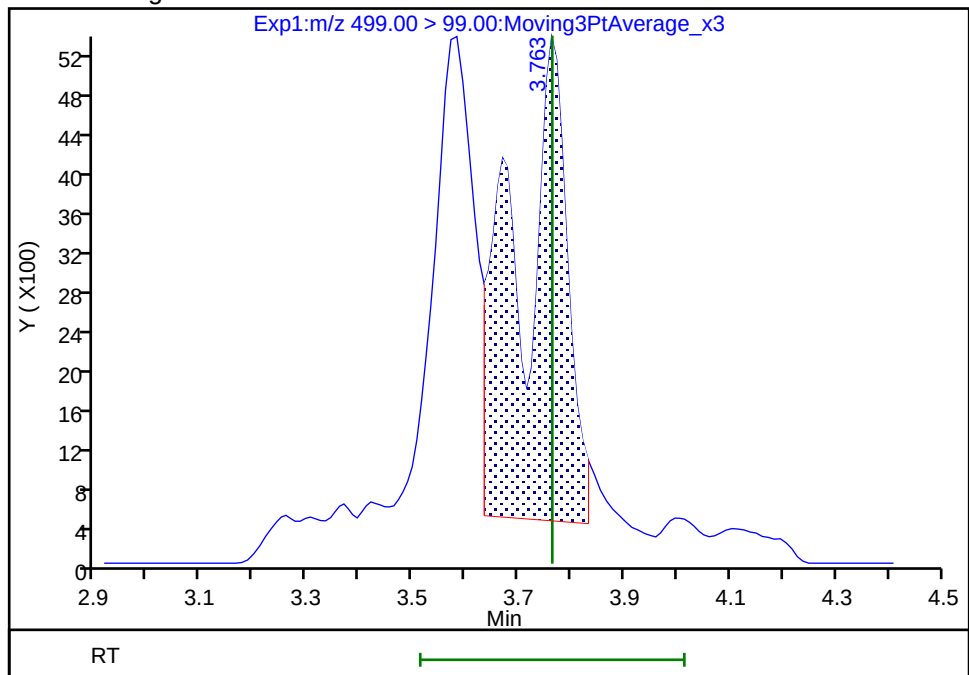
RT: 3.58
Area: 76113
Amount: 0.053058
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 32307
Amount: 0.009916
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:40:04

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

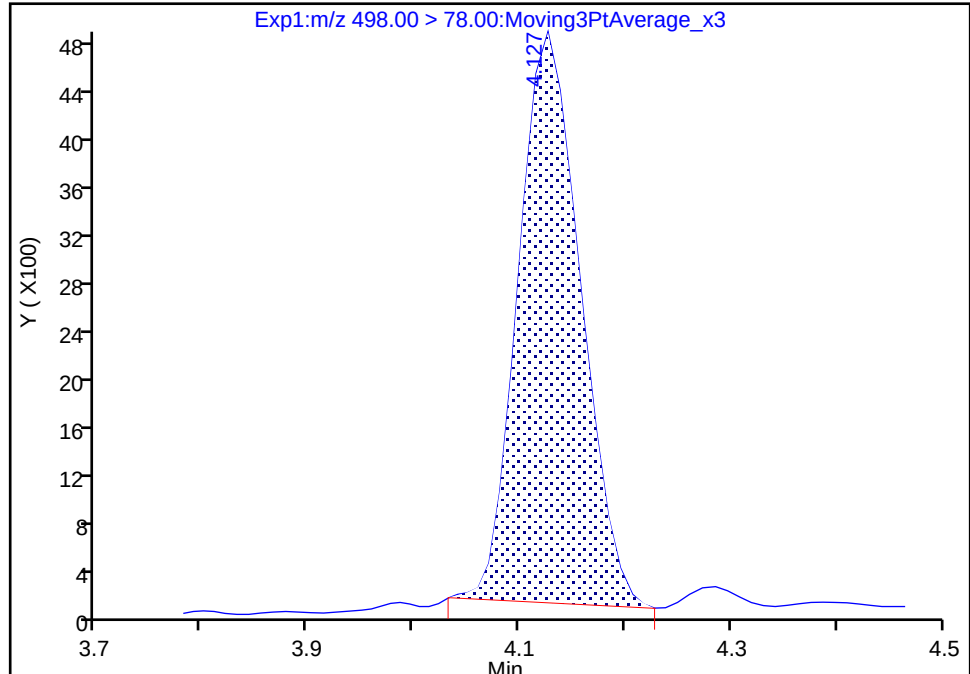
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B17.d
Injection Date: 19-Dec-2022 20:22:51 Instrument ID: LC812
Lims ID: 460-271302-A-1-A Lab Sample ID: 200-271302-1
Client ID: BCS-21-13_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

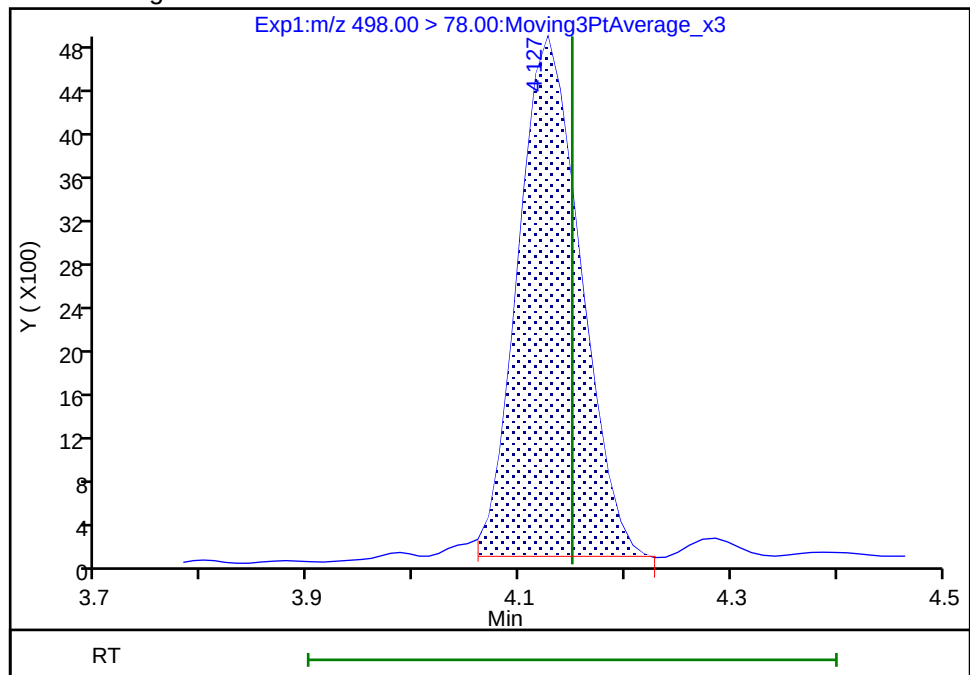
RT: 4.13
Area: 19426
Amount: 0.013432
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 19648
Amount: 0.013586
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:40:28

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

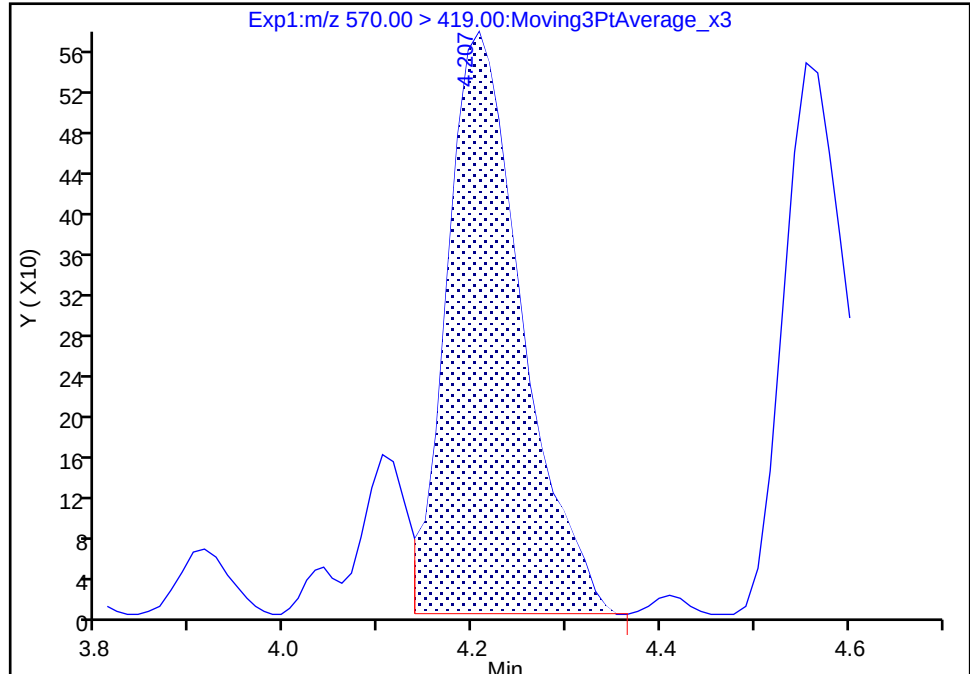
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B17.d
Injection Date: 19-Dec-2022 20:22:51 Instrument ID: LC812
Lims ID: 460-271302-A-1-A Lab Sample ID: 200-271302-1
Client ID: BCS-21-13_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

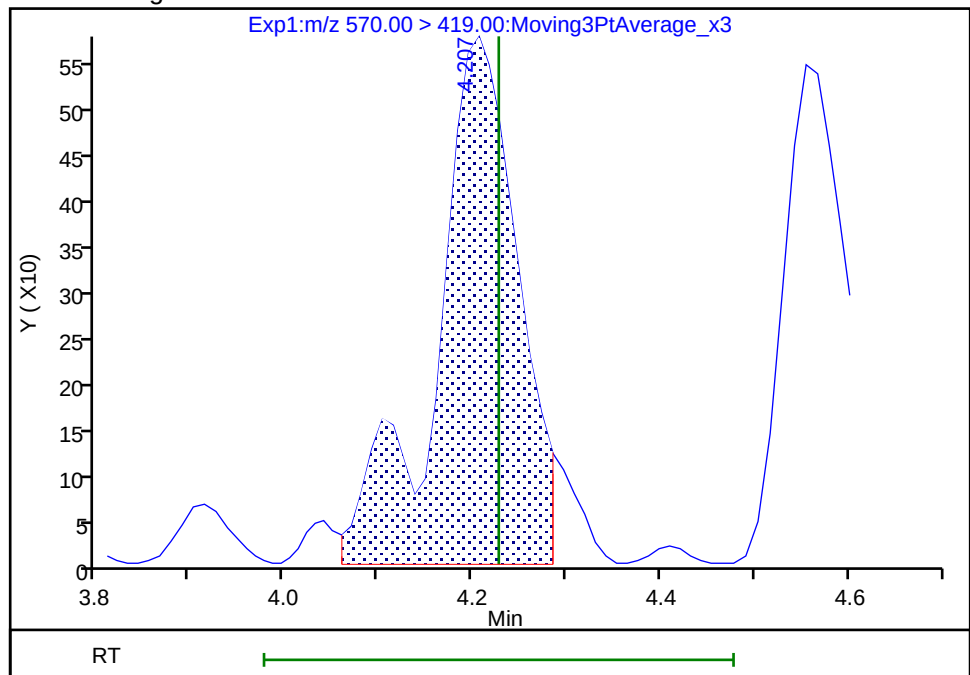
RT: 4.21
Area: 3224
Amount: -0.001886
Amount Units: ng/ml

Processing Integration Results



RT: 4.21
Area: 3489
Amount: -0.001085
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:40:45

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

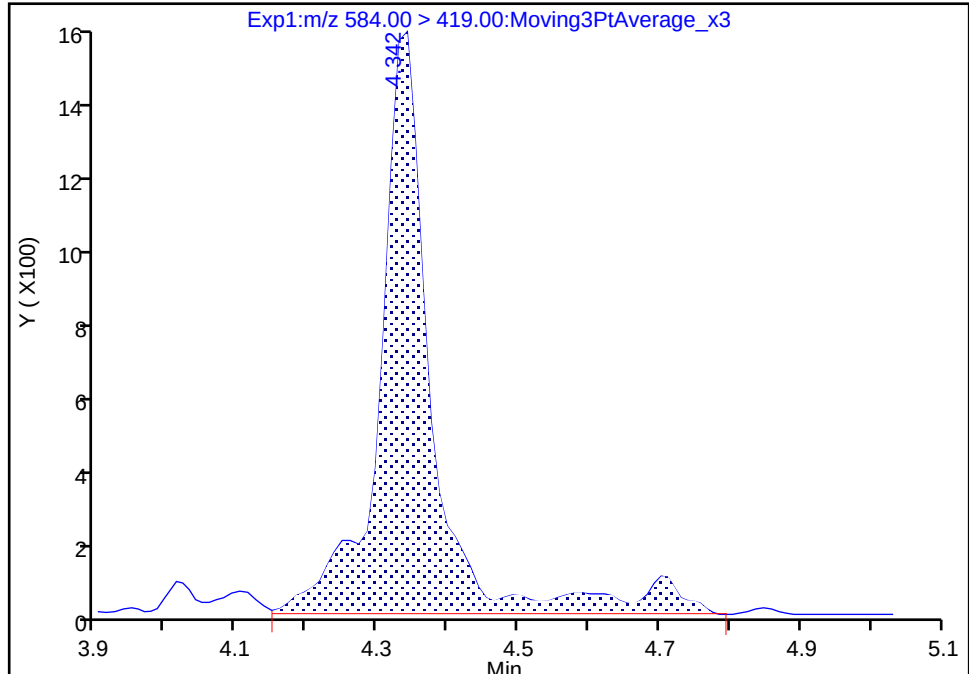
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B17.d
Injection Date: 19-Dec-2022 20:22:51 Instrument ID: LC812
Lims ID: 460-271302-A-1-A Lab Sample ID: 200-271302-1
Client ID: BCS-21-13_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

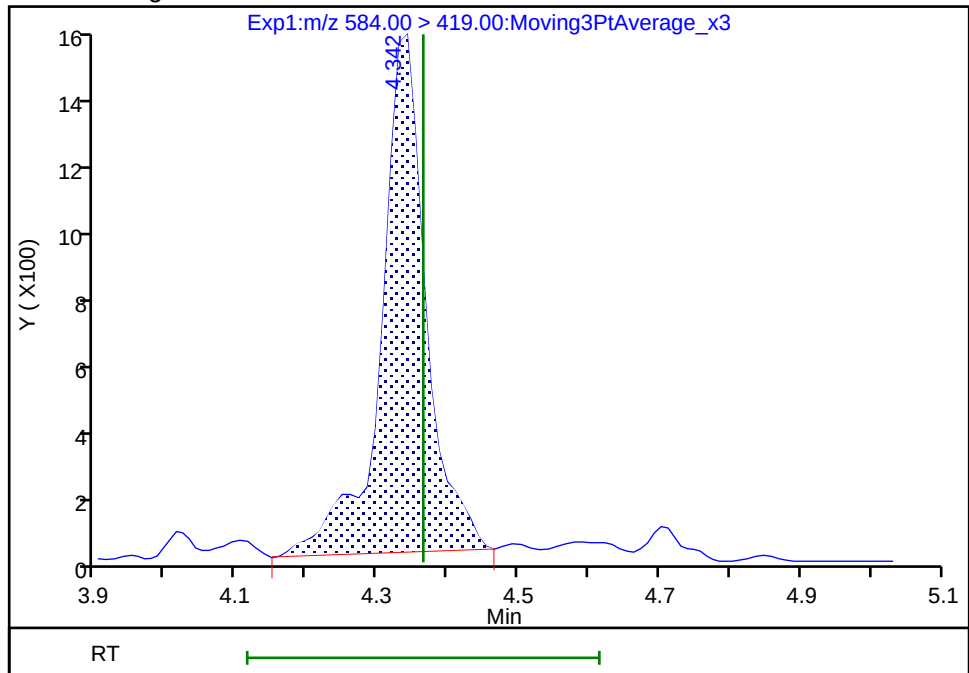
RT: 4.34
Area: 7897
Amount: 0.018266
Amount Units: ng/ml

Processing Integration Results



RT: 4.34
Area: 6610
Amount: 0.015289
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:41:21

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

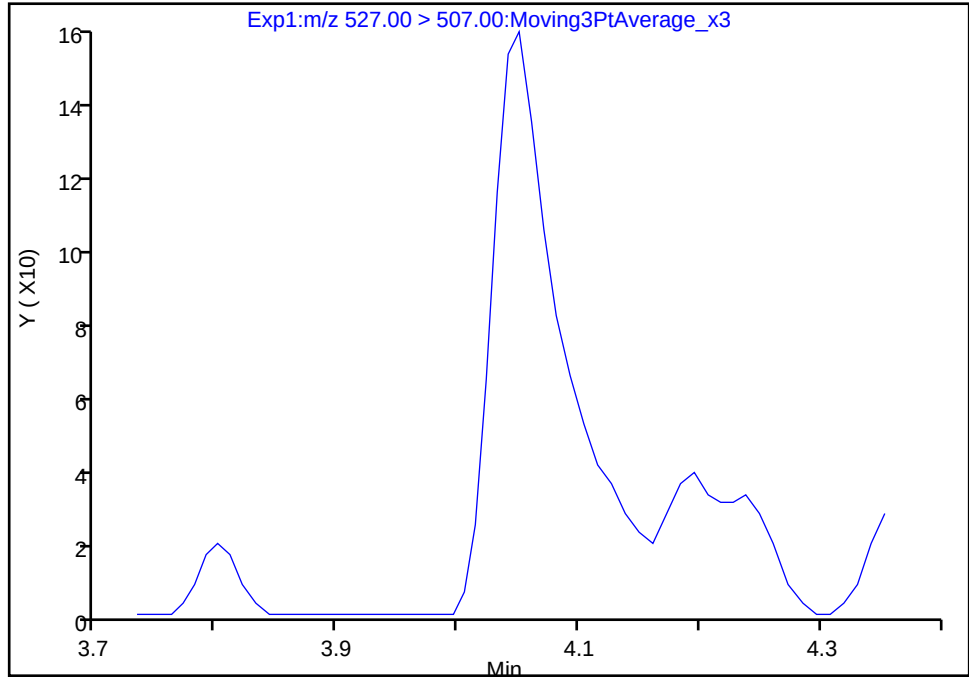
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B17.d
Injection Date: 19-Dec-2022 20:22:51 Instrument ID: LC812
Lims ID: 460-271302-A-1-A Lab Sample ID: 200-271302-1
Client ID: BCS-21-13_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

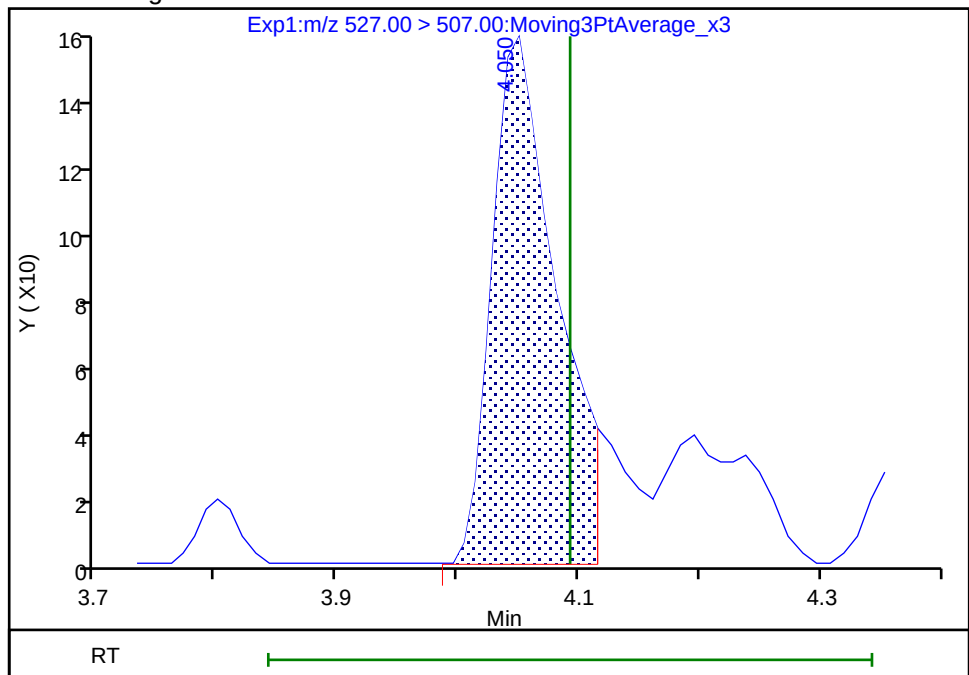
Signal: 1

Not Detected
Expected RT: 4.09

Processing Integration Results



Manual Integration Results



RT: 4.05
Area: 573
Amount: 0.000962
Amount Units: ng/ml

Reviewer: khanphomeea, 20-Dec-2022 14:40:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

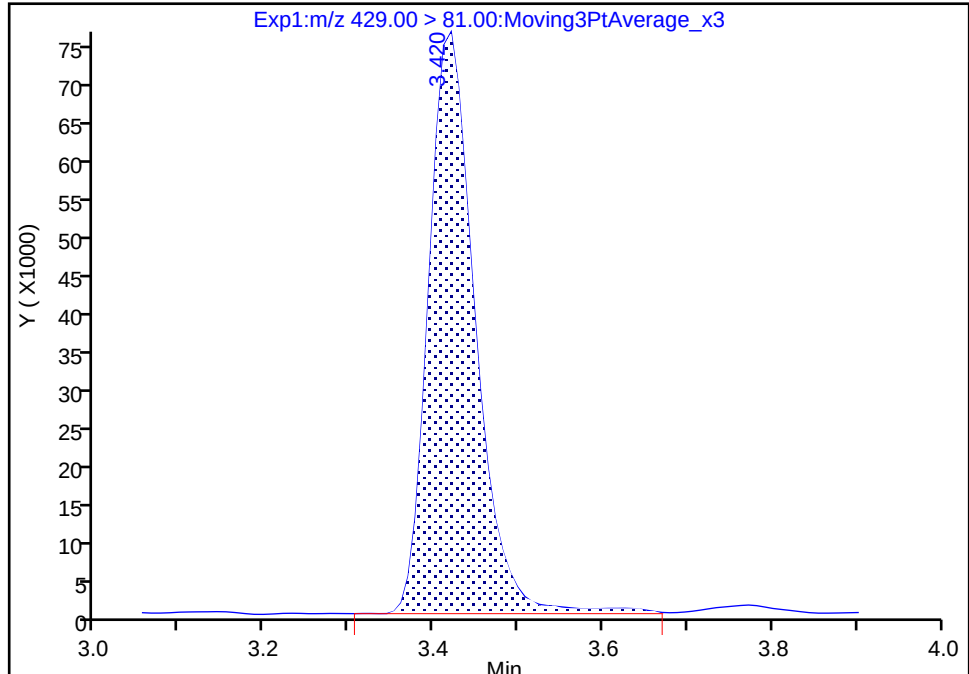
Data File:	\\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B17.d		
Injection Date:	19-Dec-2022 20:22:51	Instrument ID:	LC812
Lims ID:	460-271302-A-1-A	Lab Sample ID:	200-271302-1
Client ID:	BCS-21-13_(13-13.5)P		
Operator ID:	lc812tech	ALS Bottle#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	17

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

Signal: 1

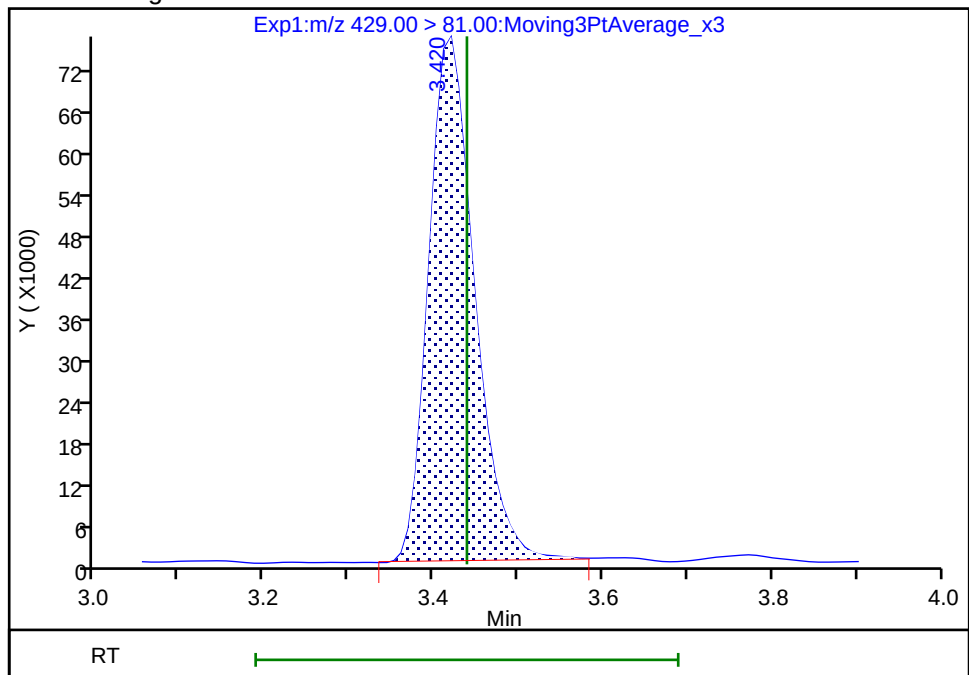
RT: 3.42
Area: 291657
Amount: 1.183110
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 283045
Amount: 1.148176
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:38:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-271302-1
SDG No.: _____
Client Sample ID: BCS-21-14_(13-13.5)P Lab Sample ID: 460-271302-2
Matrix: Solid Lab File ID: PA221219B18.d
Analysis Method: 537 (modified) Date Collected: 12/13/2022 13:35
Extraction Method: SHAKE Date Extracted: 12/16/2022 16:11
Sample wt/vol: 5.01(g) Date Analyzed: 12/19/2022 20:31
Con. Extract Vol.: 10(mL) Dilution Factor: 1
Injection Volume: 20(uL) GC Column: C-18 ID: 4.6 (mm)
% Moisture: 65.5 % Solids: 34.5 GPC Cleanup: (Y/N) N
Cleanup Factor: _____
Analysis Batch No.: 186872 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	1.45	U	1.45	0.95
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.58	U	0.58	0.16
307-24-4	Perfluorohexanoic acid (PFHxA)	0.58	U	0.58	0.13
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.58	U	0.58	0.11
335-67-1	Perfluorooctanoic acid (PFOA)	0.58	U	0.58	0.17
375-95-1	Perfluorononanoic acid (PFNA)	0.58	U	0.58	0.098
335-76-2	Perfluorodecanoic acid (PFDA)	0.58	U	0.58	0.081
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.58	U	0.58	0.078
307-55-1	Perfluorododecanoic acid (PFDoA)	0.58	U	0.58	0.072
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.58	U	0.58	0.072
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.58	U	0.58	0.075
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.58	U	0.58	0.095
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.58	U	0.58	0.12
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.58	U	0.58	0.067
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.58	U	0.58	0.32
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.58	U	0.58	0.055
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.58	U	0.58	0.098
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	5.78	U	5.78	0.32
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	5.78	U	5.78	0.24
27619-97-2	6:2 FTS	5.78	U	5.78	0.16
39108-34-4	8:2 FTS	5.78	U	5.78	0.11

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-271302-1
 SDG No.: _____
 Client Sample ID: BCS-21-14_(13-13.5)P Lab Sample ID: 460-271302-2
 Matrix: Solid Lab File ID: PA221219B18.d
 Analysis Method: 537 (modified) Date Collected: 12/13/2022 13:35
 Extraction Method: SHAKE Date Extracted: 12/16/2022 16:11
 Sample wt/vol: 5.01(g) Date Analyzed: 12/19/2022 20:31
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6 (mm)
 % Moisture: 65.5 % Solids: 34.5 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186872 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	73		50-150
STL01892	13C4 PFHpA	73		50-150
STL00990	13C4 PFOA	74		50-150
STL00991	13C4 PFOS	72		50-150
STL00995	13C5 PFNA	77		50-150
STL00992	13C4 PFBA	72		50-150
STL00993	13C2 PFHxA	80		50-150
STL00996	13C2 PFDA	83		50-150
STL00997	13C2 PFUnA	85		50-150
STL00998	13C2 PFDoA	79		50-150
STL01056	13C8 FOSA	64		50-150
STL01893	13C5 PFPeA	77		50-150
STL02116	13C2 PFTeDA	77		50-150
STL02118	d3-NMeFOSAA	67		50-150
STL02117	d5-NEtFOSAA	85		50-150
STL02279	M2-6:2 FTS	88		50-150
STL02280	M2-8:2 FTS	103		50-150
STL02337	13C3 PFBS	73		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B18.d
 Lims ID: 460-271302-A-2-A
 Client ID: BCS-21-14_(13-13.5)P
 Sample Type: Client
 Inject. Date: 19-Dec-2022 20:31:01 ALS Bottle#: 18 Worklist Smp#: 18
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 460-271302-A-2-A
 Misc. Info.: 200-0053737-018 Plate: 1 Rack: 2
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 22-Dec-2022 09:36:59 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1616

First Level Reviewer: khanphomeea

Date: 20-Dec-2022 14:49:03

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.111	2.076	0.034	0.628	2196821	0.9029		72.2	4462	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.111	2.076	0.034	1.000	55943	0.0309			1.6	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.387	0.013	0.714	1786258	0.9640		77.1	1227	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.386	2.387	-0.001	0.994	25691	0.0165			0.2	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.413	2.400	0.013	0.718	1706566	0.8477		72.9	45981	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.689	2.725	-0.036	0.800	1953311	1.01		80.5	2773	
6 Perfluorohexanoic acid										RM
313.00 > 269.00	2.689	2.725	-0.036	1.000	28943	0.0170	Target=14.25		0.9	RM
313.00 > 119.00	2.701	2.725	-0.024	1.005	1310		22.09(7.12-21.37)		0.6	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.010	3.088	-0.078	0.895	1270448	0.8662		73.3	2186	
D 9 13C4 PFHpA										
367.00 > 322.00	3.021	3.099	-0.078	0.899	1833435	0.9182		73.5	2821	
10 Perfluoroheptanoic acid										RM
363.00 > 319.00	3.043	3.099	-0.056	1.007	11837	0.007412	Target=3.97		0.6	RM
363.00 > 169.00	3.021	3.099	-0.078	1.000	1590		7.44(1.98-5.95)		2.8	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.354	3.439	-0.085	0.998	256407	1.04		87.8	55.6	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.362	3.439	-0.077	1.002	1935	-0.007631			5.7	M
D 14 13C4 PFOA										M
417.00 > 372.00	3.362	3.448	-0.086	1.000	2078091	0.9256		74.0	1895	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 62 13C2 PFOA										
415.00 > 370.00	3.362	3.448	-0.086		2711366	1.25			3097	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.362	3.448	-0.086	1.000	25382	0.0143	Target=2.79		1.3	M
413.00 > 169.00	3.370	3.448	-0.078	1.002	6968		3.64(1.40-4.19)		5.6	M
D 18 13C4 PFOS										
503.00 > 80.00	3.680	3.764	-0.084	1.095	860944	0.8652		72.4	134	M
17 Perfluorooctanesulfonic acid										RM
499.00 > 80.00	3.706	3.764	-0.058	1.007	10191	0.0116	Target=5.11		1.0	RM
499.00 > 99.00	3.618	3.764	-0.146	0.983	132129		0.08(2.55-7.66)		26.6	M
D 19 13C5 PFNA										
468.00 > 423.00	3.698	3.783	-0.085	1.100	2097889	0.9616		76.9	3195	
D 23 13C2 PFDA										
515.00 > 470.00	4.005	4.081	-0.076	1.191	2318830	1.04		83.4	3444	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.014	4.093	-0.079	1.194	371058	1.23		103	31.9	M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.023	4.093	-0.070	1.002	417	0.000832			6.5	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.093	4.150	-0.057	1.003	728	0.000593			3.8	M
D 21 13C8 FOSA										
506.00 > 78.00	4.081	4.150	-0.069	1.214	1468024	0.8054		64.4	1262	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.161	4.228	-0.067	1.238	381104	0.8419		67.4	575	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.184	4.228	-0.044	1.005	572	-0.009446			1.2	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.285	4.353	-0.068	1.275	2155530	1.06		84.7	3249	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.319	4.365	-0.046	1.005	1146	0.003392			3.5	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.297	4.365	-0.068	1.278	471751	1.06		84.7	635	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.517	4.591	-0.074	1.000	2934	0.001682	Target=7.77		0.6	M
613.00 > 169.00	4.530	4.591	-0.061	1.003	556		5.28(3.89-11.66)		2.2	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.517	4.591	-0.074	1.343	2057527	0.99		79.4	2942	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	4.932	5.012	-0.080	1.000	366	0.001932	Target=0.89		3.1	M
713.00 > 219.00	4.932	5.012	-0.080	1.000	498		0.73(0.44-1.33)		3.9	M
D 43 13C2 PFTeDA										
715.00 > 670.00	4.932	5.012	-0.080	1.467	1730035	0.9644		77.2	2953	

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B18.d

Injection Date: 19-Dec-2022 20:31:01

Instrument ID: LC812

Lims ID: 460-271302-A-2-A

Lab Sample ID: 200-271302-2

Client ID: BCS-21-14_(13-13.5)P

Operator ID: lc812tech

ALS Bottle#: 18

Worklist Smp#: 18

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

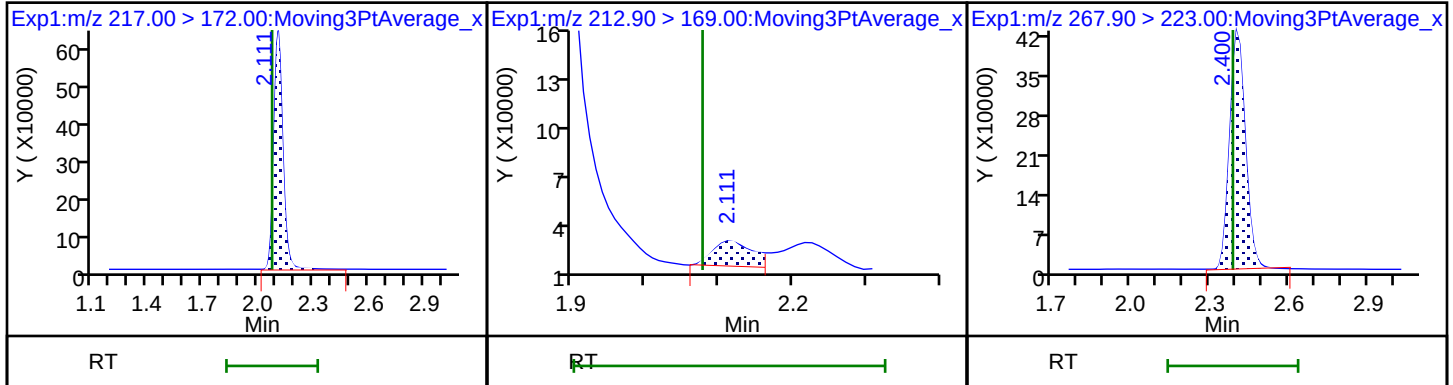
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

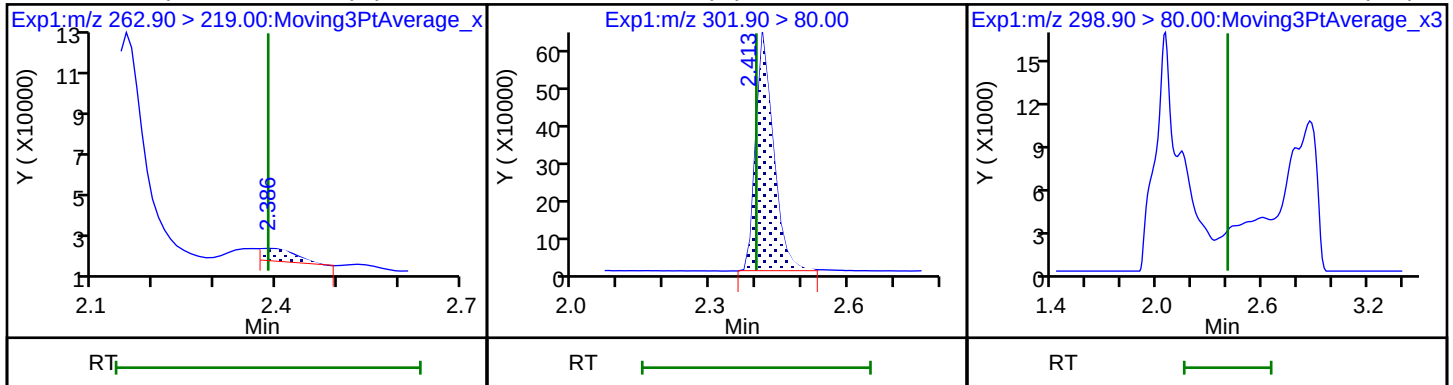
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS (M)

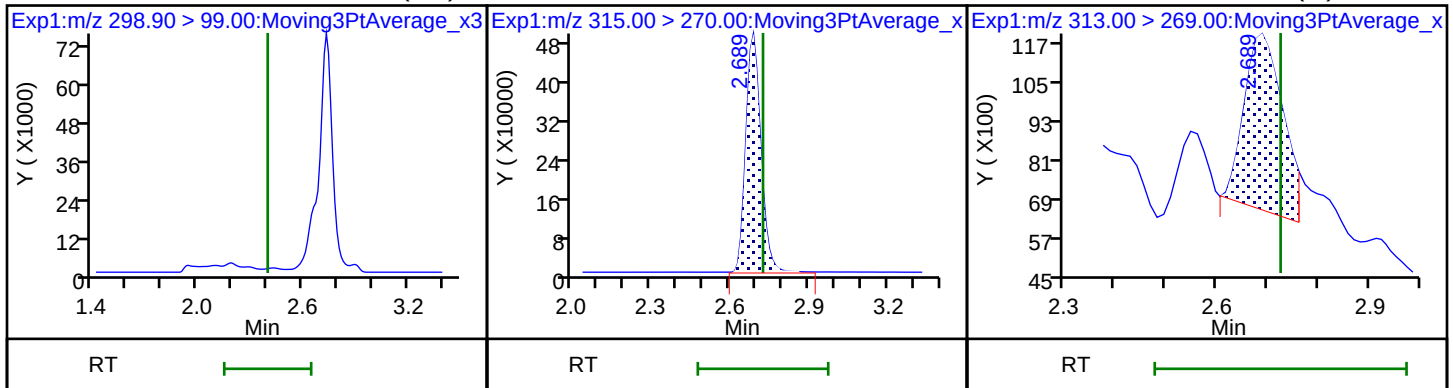
5 Perfluorobutanesulfonic acid (ND)



5 Perfluorobutanesulfonic acid (ND)

D 7 13C2 PFHxA

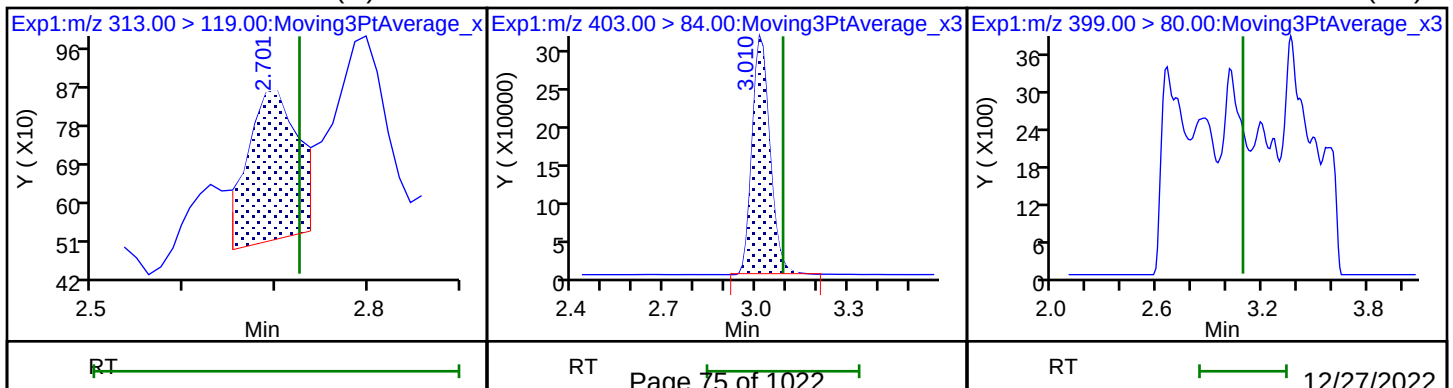
6 Perfluorohexanoic acid (M)



6 Perfluorohexanoic acid (M)

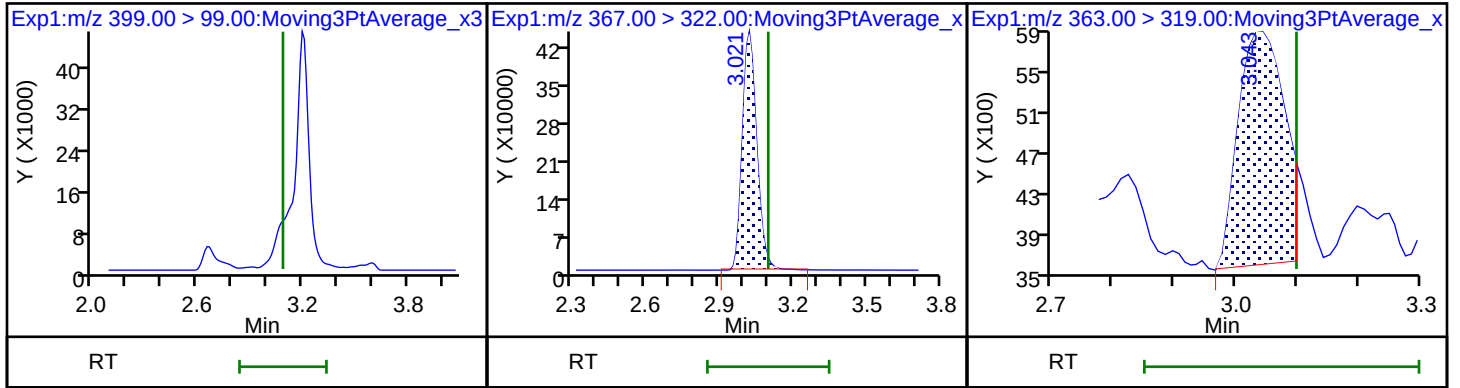
D 11 18O2 PFHxS

8 Perfluorohexanesulfonic acid (ND)



8 Perfluorohexanesulfonic acid (ND) D 9 13C4 PFHpA

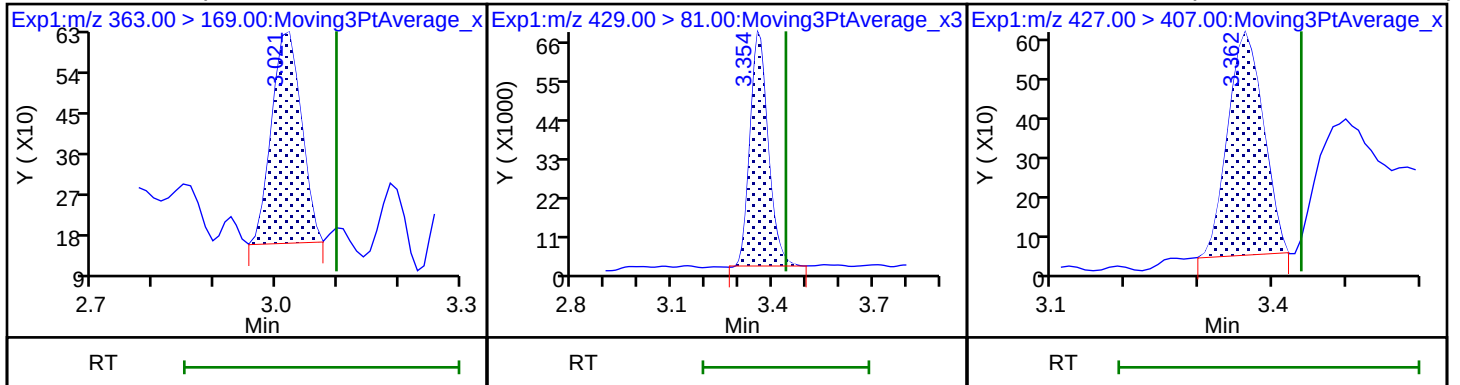
10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid

D 12 M2-6:2 FTS

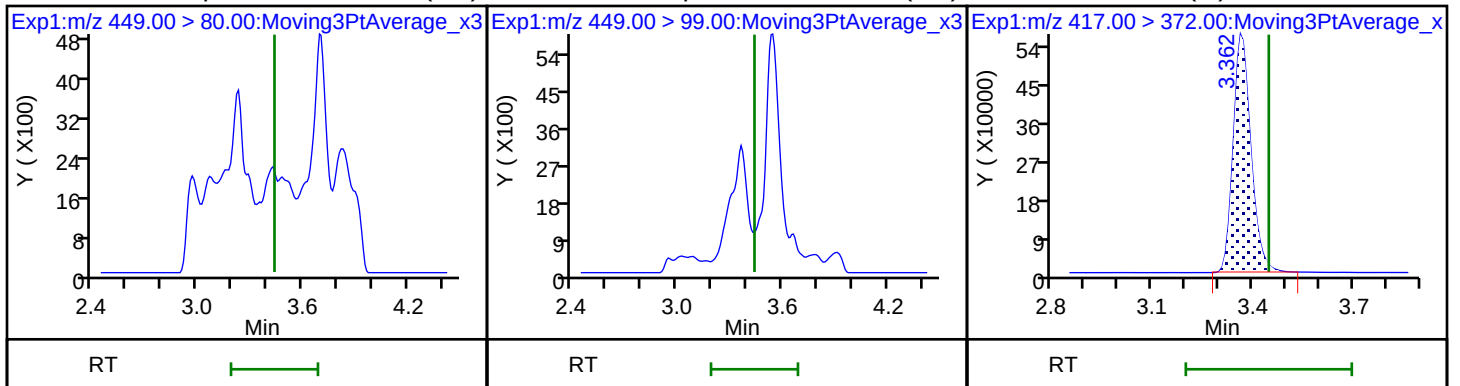
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



16 Perfluoroheptanesulfonic acid (ND)

16 Perfluoroheptanesulfonic acid (ND)

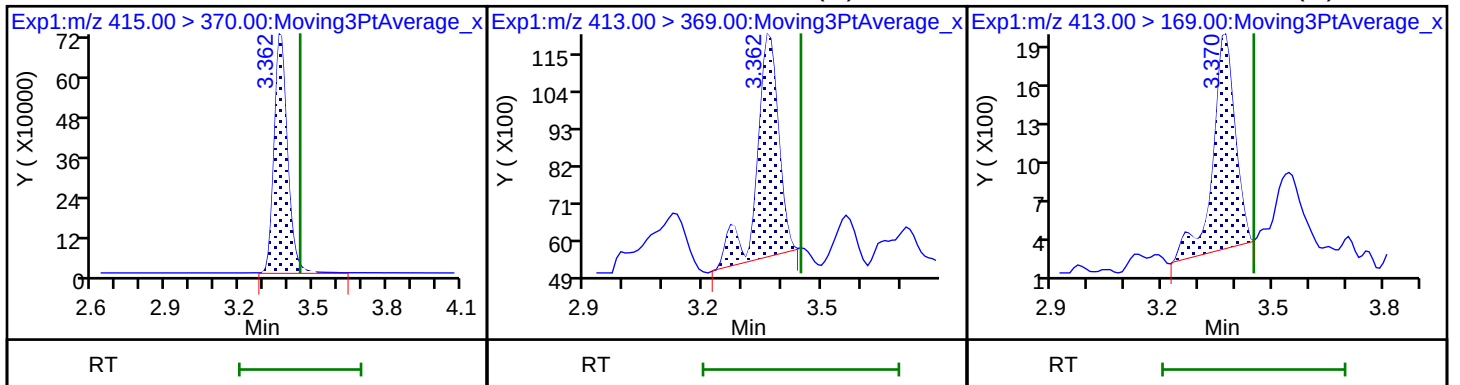
D 14 13C4 PFOA (M)



* 62 13C2 PFOA

15 Perfluorooctanoic acid (M)

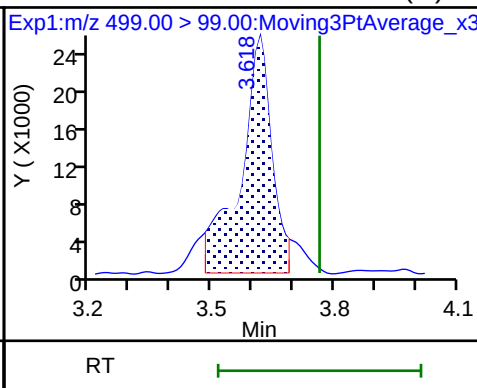
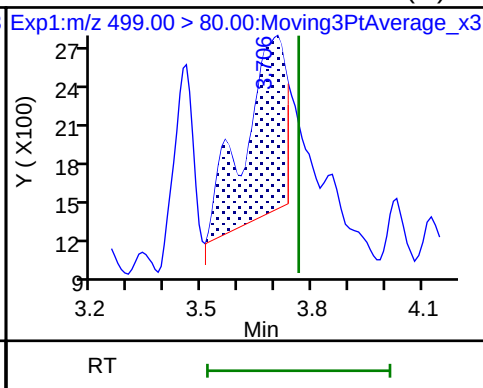
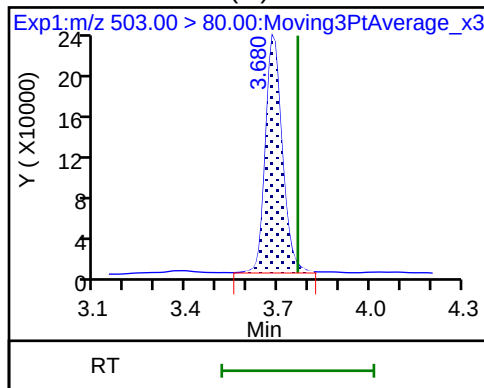
15 Perfluorooctanoic acid (M)



D 18 13C4 PFOS (M)

17 Perfluorooctanesulfonic acid (M)

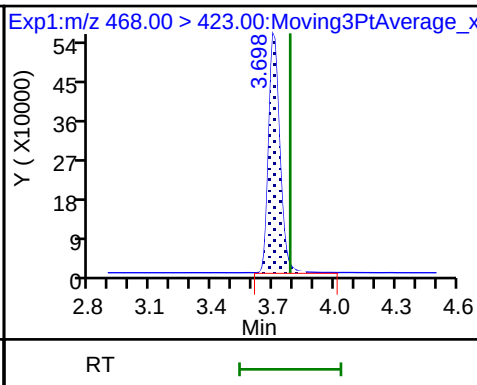
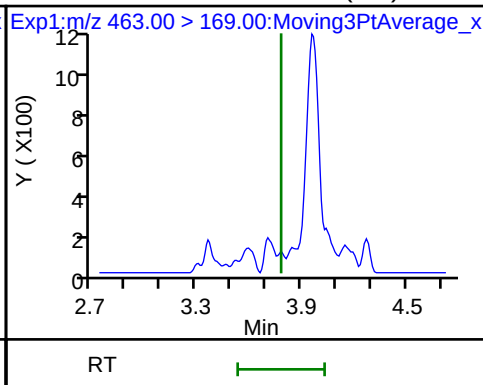
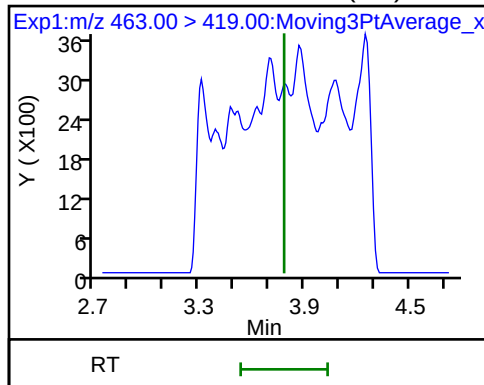
17 Perfluorooctanesulfonic acid (M)



20 Perfluorononanoic acid (ND)

20 Perfluorononanoic acid (ND)

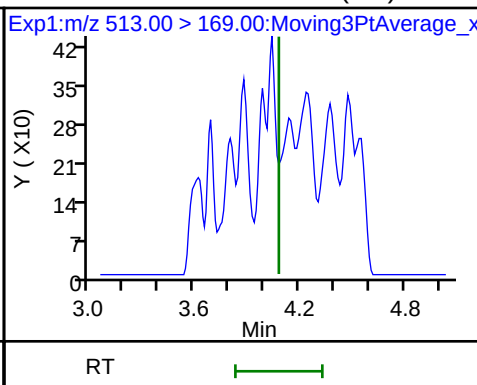
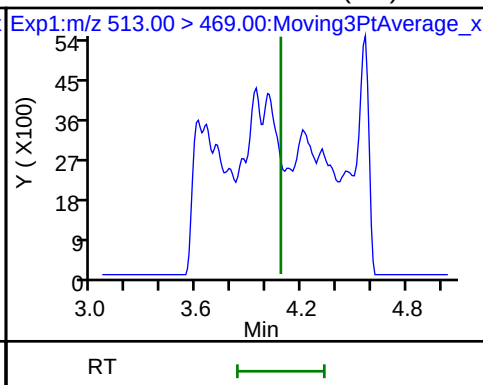
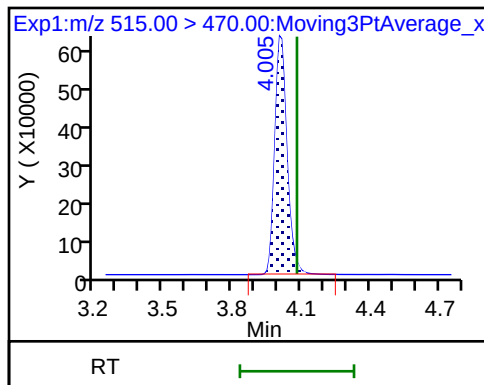
D 19 13C5 PFNA



D 23 13C2 PFDA

24 Perfluorodecanoic acid (ND)

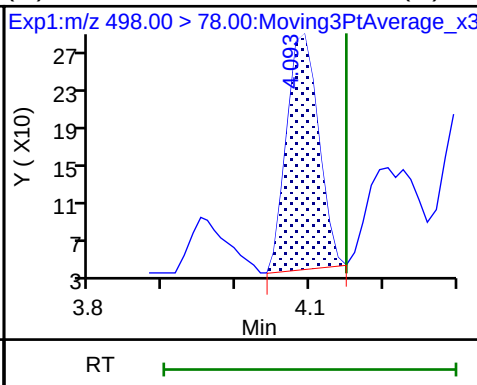
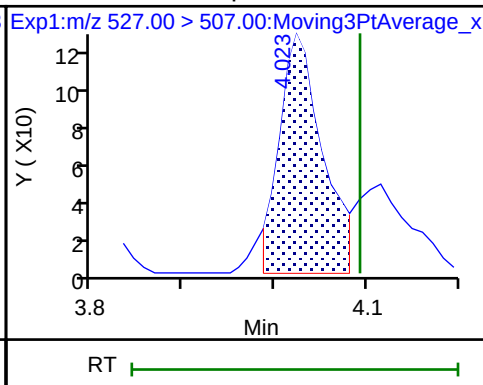
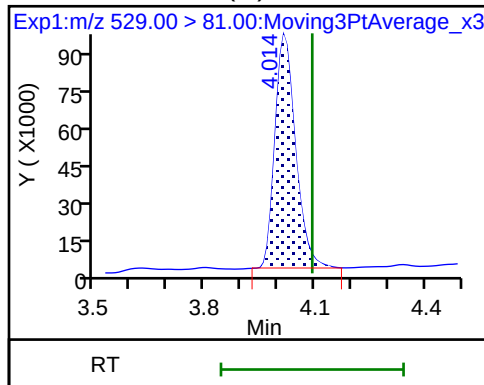
24 Perfluorodecanoic acid (ND)



D 26 M2-8:2 FTS (M)

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

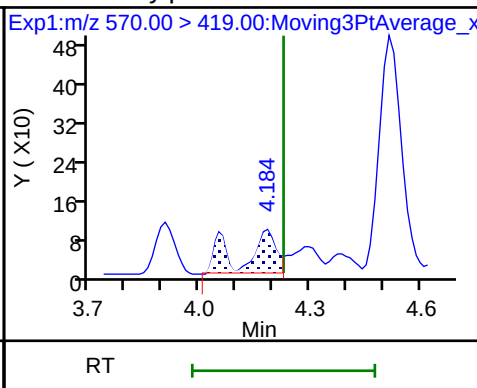
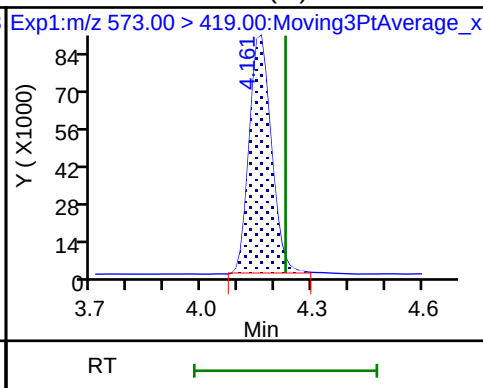
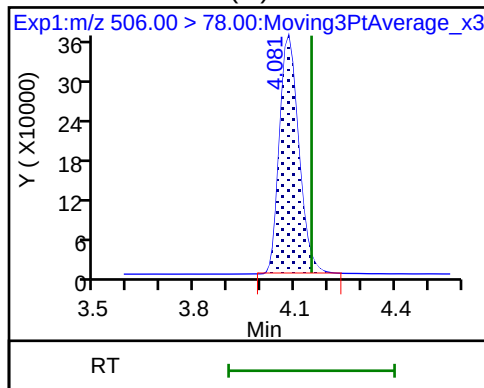
22 Perfluorooctanesulfonamide (M)



D 21 13C8 FOSA (M)

D 27 d3-NMeFOSAA (M)

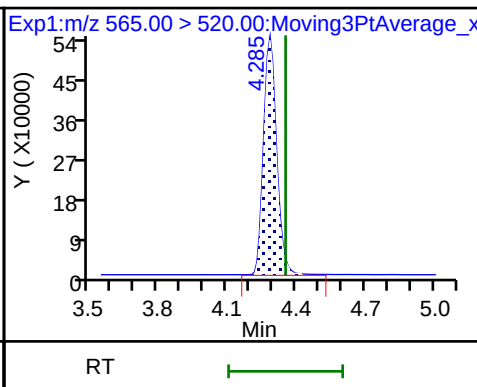
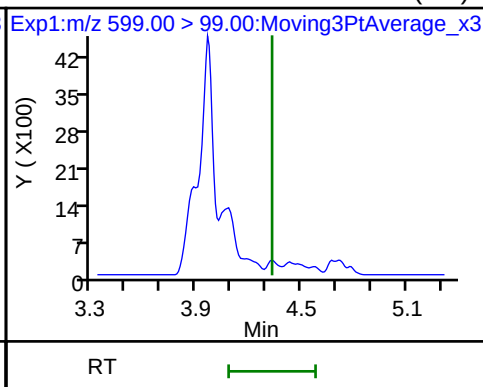
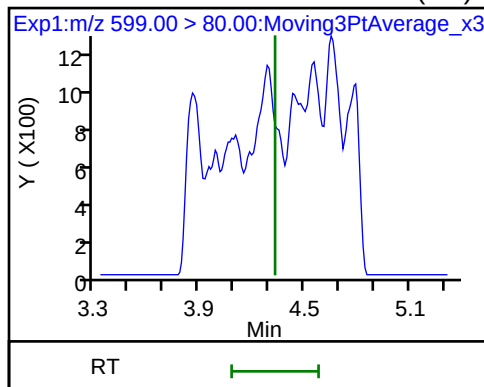
28 N-methylperfluorooctanesulfonami (M)



29 Perfluorodecanesulfonic acid (ND)

29 Perfluorodecanesulfonic acid (ND)

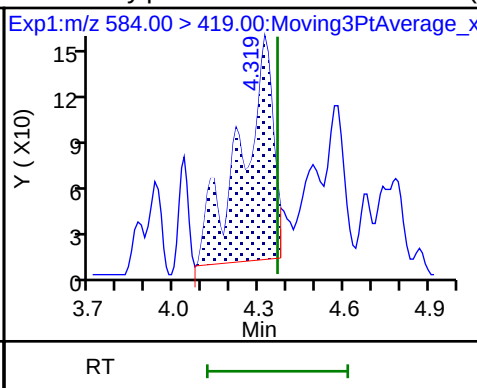
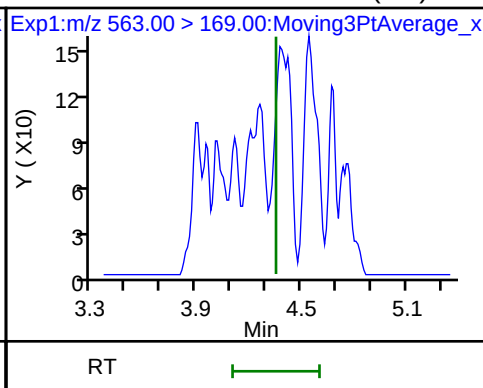
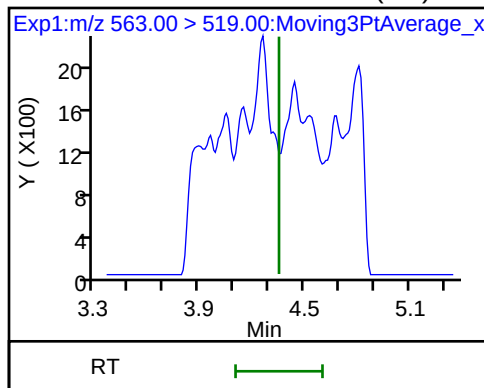
D 30 13C2 PFUnA



31 Perfluoroundecanoic acid (ND)

31 Perfluoroundecanoic acid (ND)

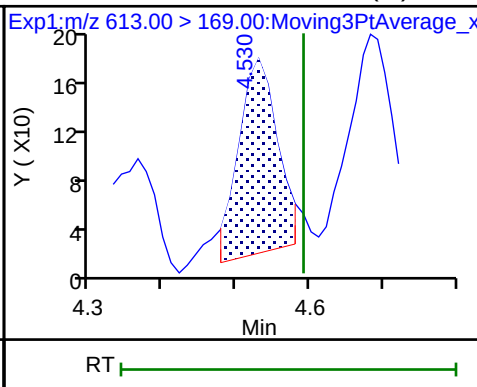
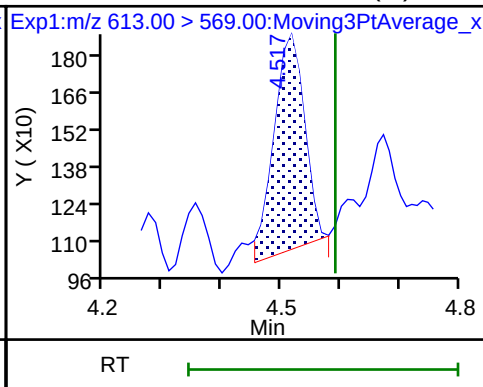
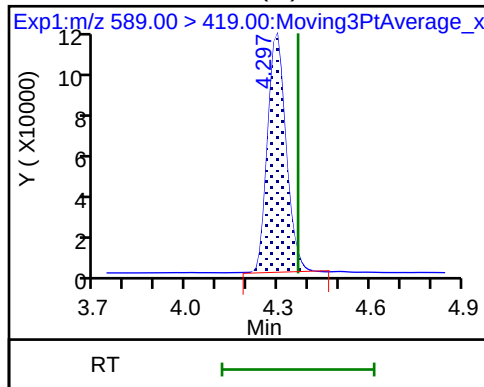
33 N-ethylperfluorooctanesulfonamid (M)



D 32 d5-NEtFOSAA (M)

37 Perfluorododecanoic acid (M)

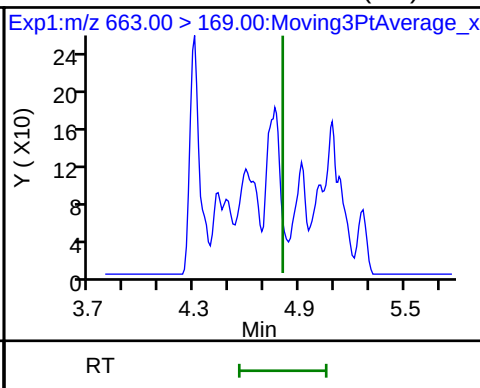
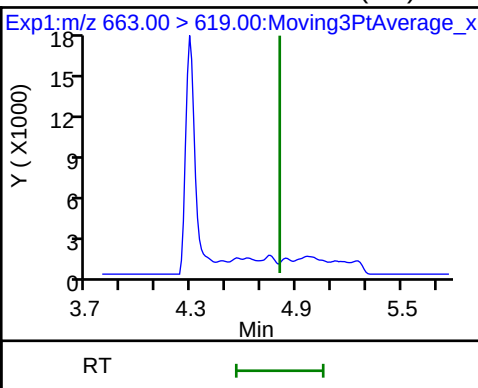
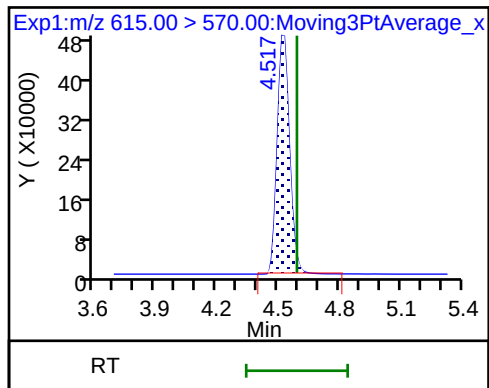
37 Perfluorododecanoic acid (M)



D 36 13C2 PFDaA

41 Perfluorotridecanoic acid (ND)

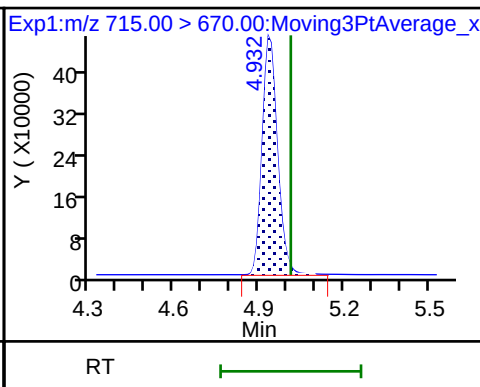
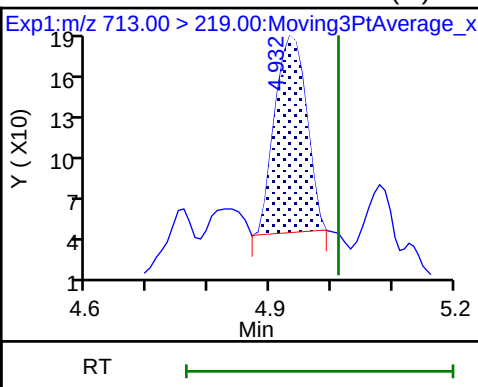
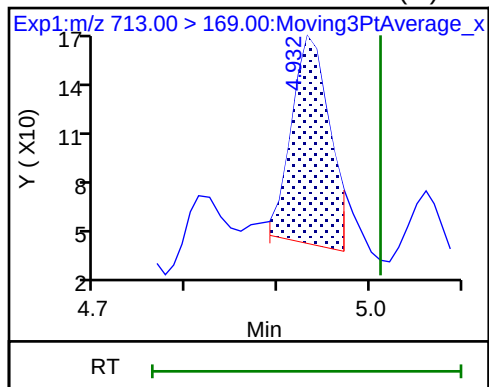
41 Perfluorotridecanoic acid (ND)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

D 43 13C2 PFTeDA



Eurofins Burlington

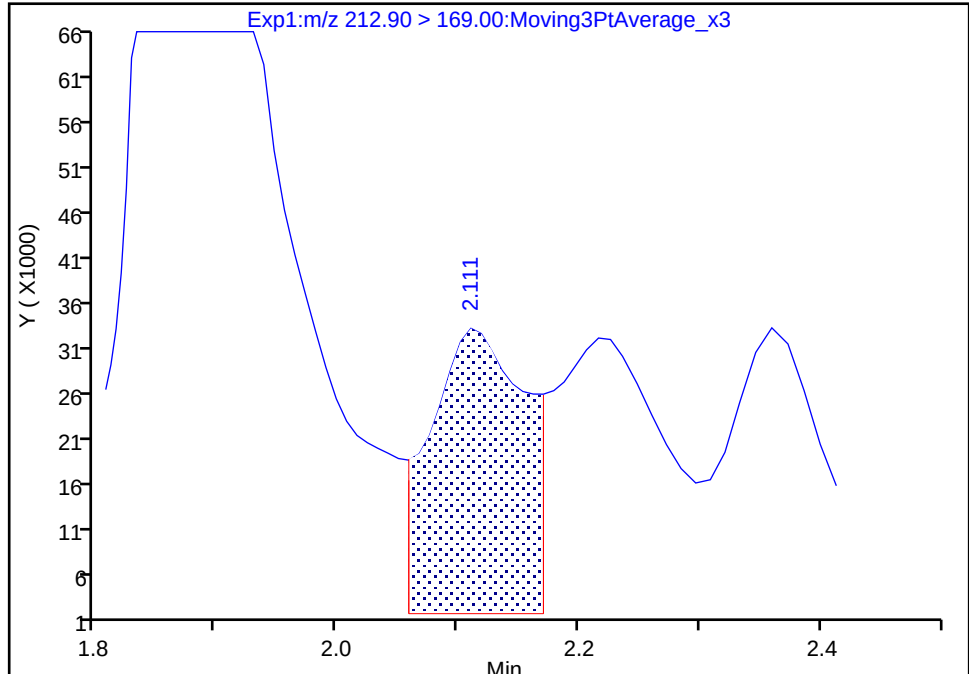
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B18.d
Injection Date: 19-Dec-2022 20:31:01 Instrument ID: LC812
Lims ID: 460-271302-A-2-A Lab Sample ID: 200-271302-2
Client ID: BCS-21-14_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

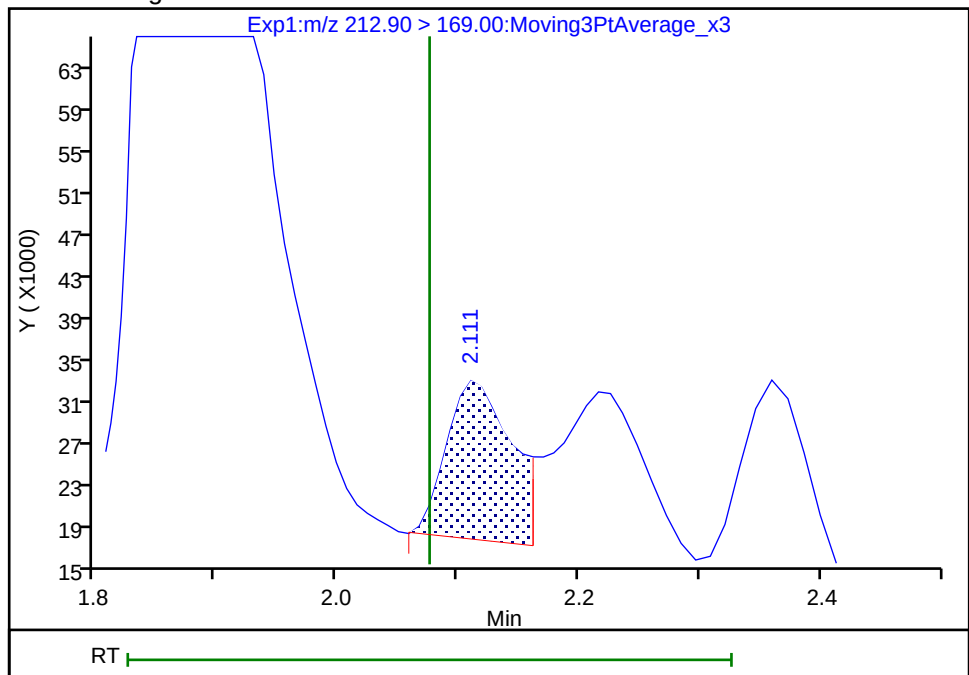
RT: 2.11
Area: 169143
Amount: 0.093331
Amount Units: ng/ml

Processing Integration Results



RT: 2.11
Area: 55943
Amount: 0.030869
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:44:49

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

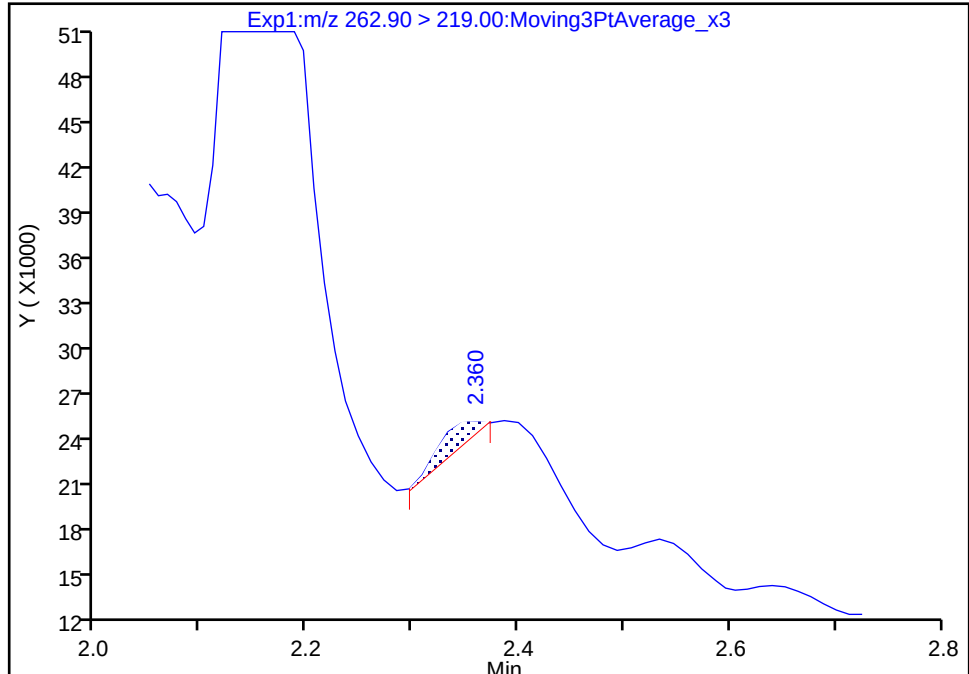
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B18.d
Injection Date: 19-Dec-2022 20:31:01 Instrument ID: LC812
Lims ID: 460-271302-A-2-A Lab Sample ID: 200-271302-2
Client ID: BCS-21-14_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

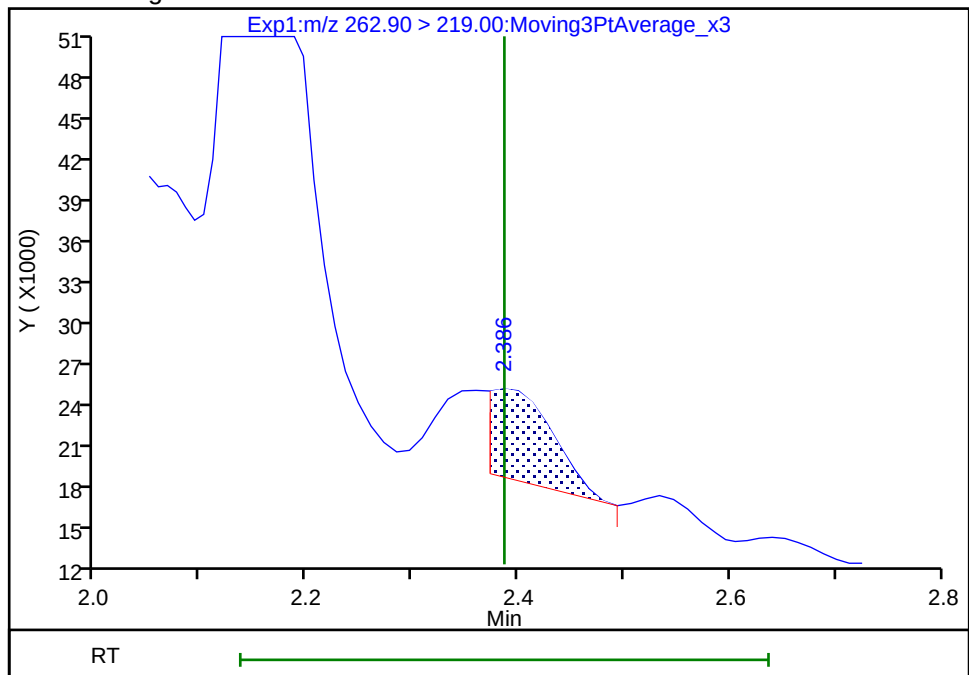
RT: 2.36
Area: 4274
Amount: 0.002744
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 25691
Amount: 0.016496
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:44:40

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

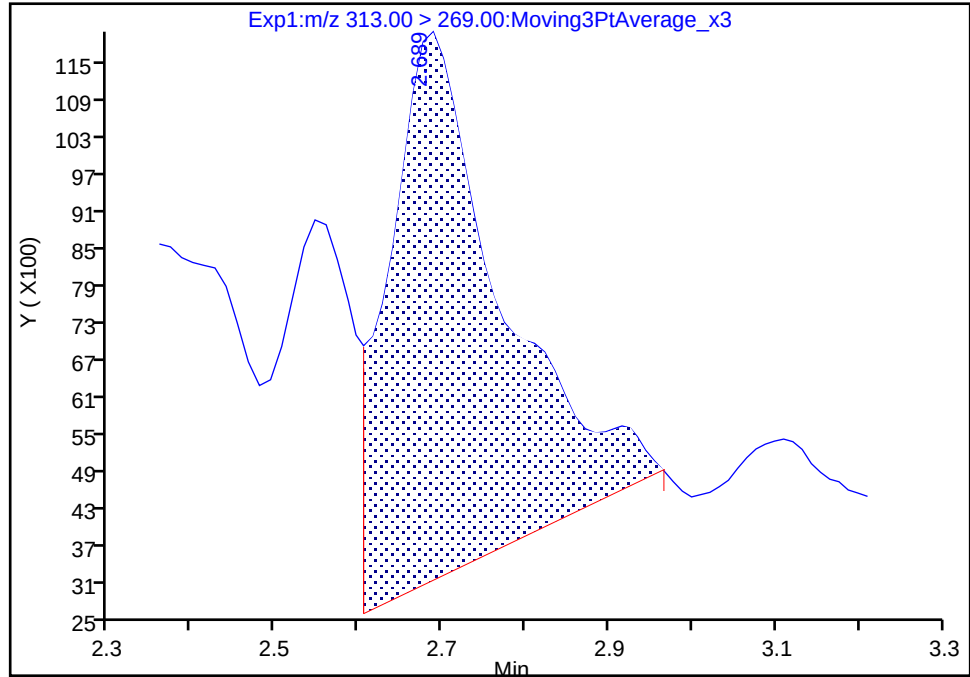
Data File:	\\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B18.d		
Injection Date:	19-Dec-2022 20:31:01	Instrument ID:	LC812
Lims ID:	460-271302-A-2-A	Lab Sample ID:	200-271302-2
Client ID:	BCS-21-14_(13-13.5)P		
Operator ID:	lc812tech	ALS Bottle#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	18

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

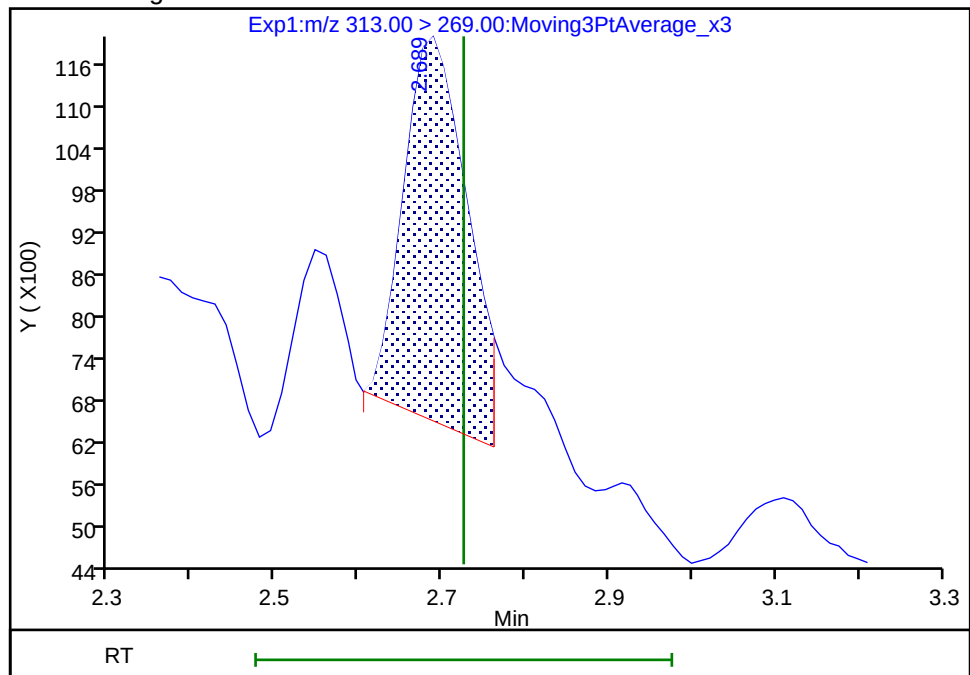
RT: 2.69
Area: 83591
Amount: 0.049094
Amount Units: ng/ml

Processing Integration Results



RT: 2.69
Area: 28943
Amount: 0.016999
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 22-Dec-2022 09:22:29

Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins Burlington

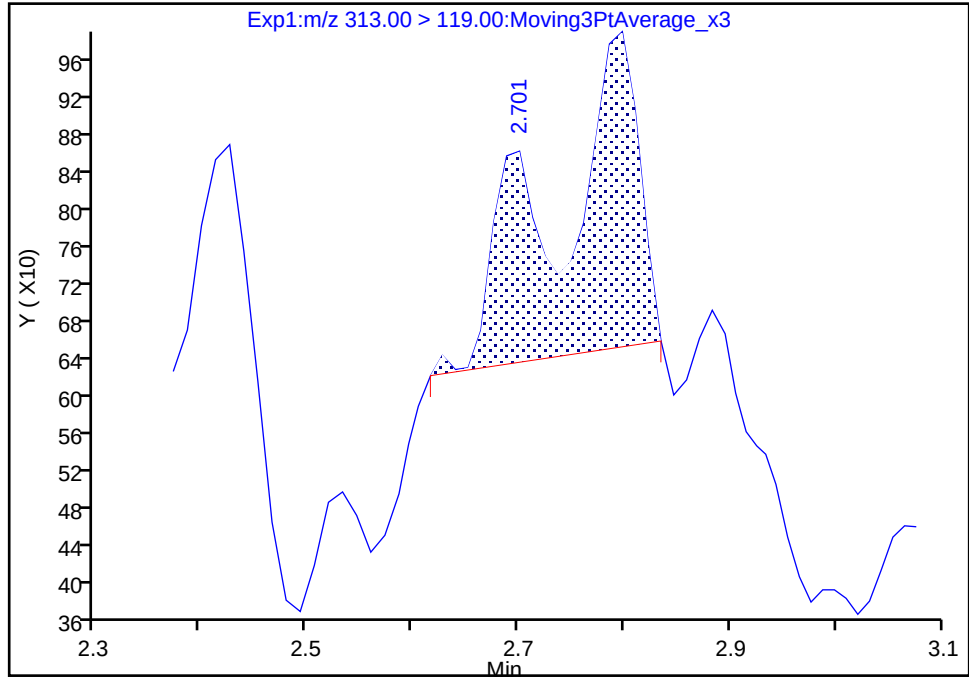
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B18.d
Injection Date: 19-Dec-2022 20:31:01 Instrument ID: LC812
Lims ID: 460-271302-A-2-A Lab Sample ID: 200-271302-2
Client ID: BCS-21-14_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

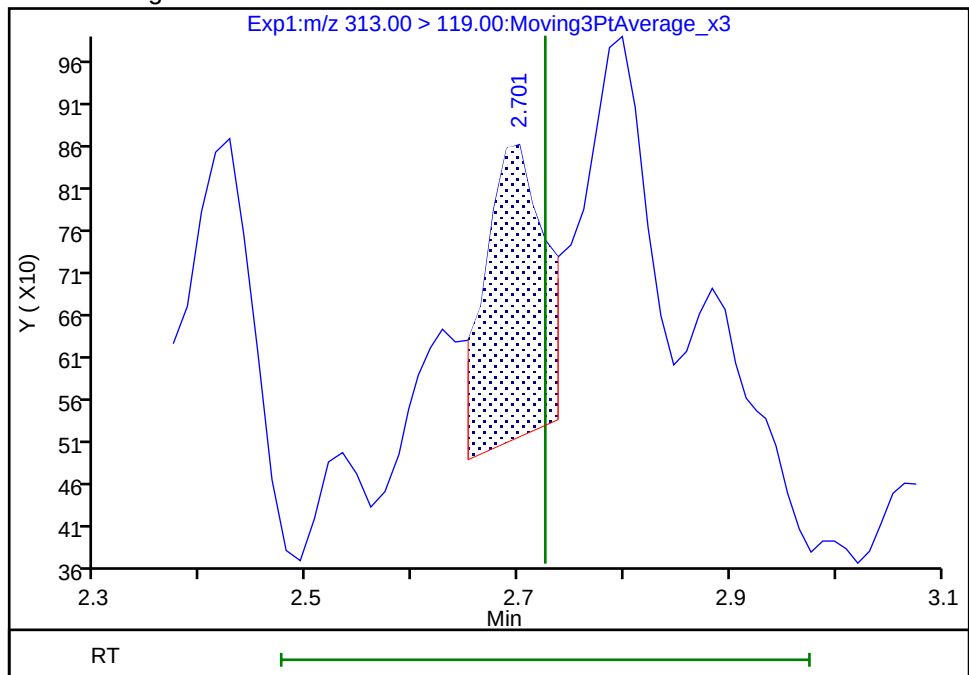
RT: 2.70
Area: 1816
Amount: 0.049094
Amount Units: ng/ml

Processing Integration Results



RT: 2.70
Area: 1310
Amount: 0.016999
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 22-Dec-2022 09:22:41

Audit Action: Manually Integrated

Audit Reason: Missed Peak
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2:52 PM

Eurofins Burlington

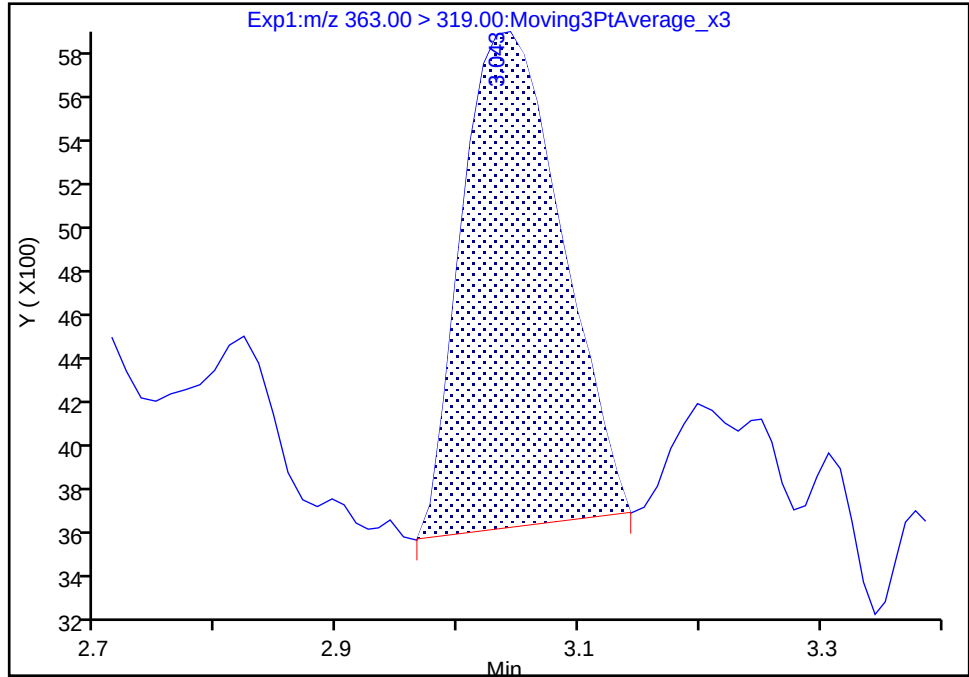
Data File:	\\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B18.d				
Injection Date:	19-Dec-2022 20:31:01	Instrument ID:	LC812		
Lims ID:	460-271302-A-2-A	Lab Sample ID:	200-271302-2		
Client ID:	BCS-21-14_(13-13.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

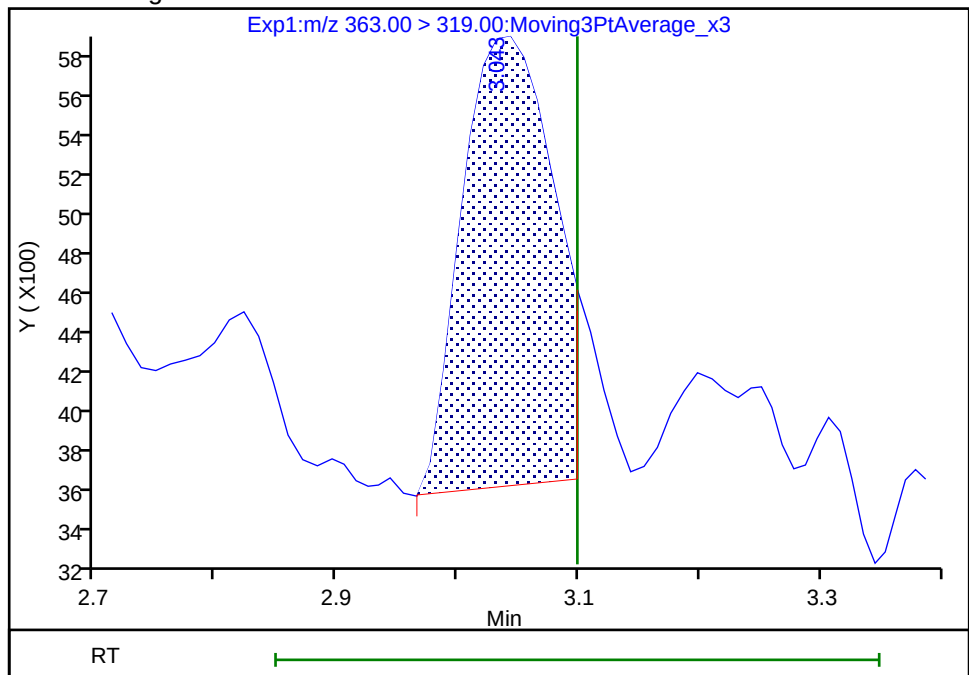
RT: 3.04
Area: 13044
Amount: 0.008168
Amount Units: ng/ml

Processing Integration Results



RT: 3.04
Area: 11837
Amount: 0.007412
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:45:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

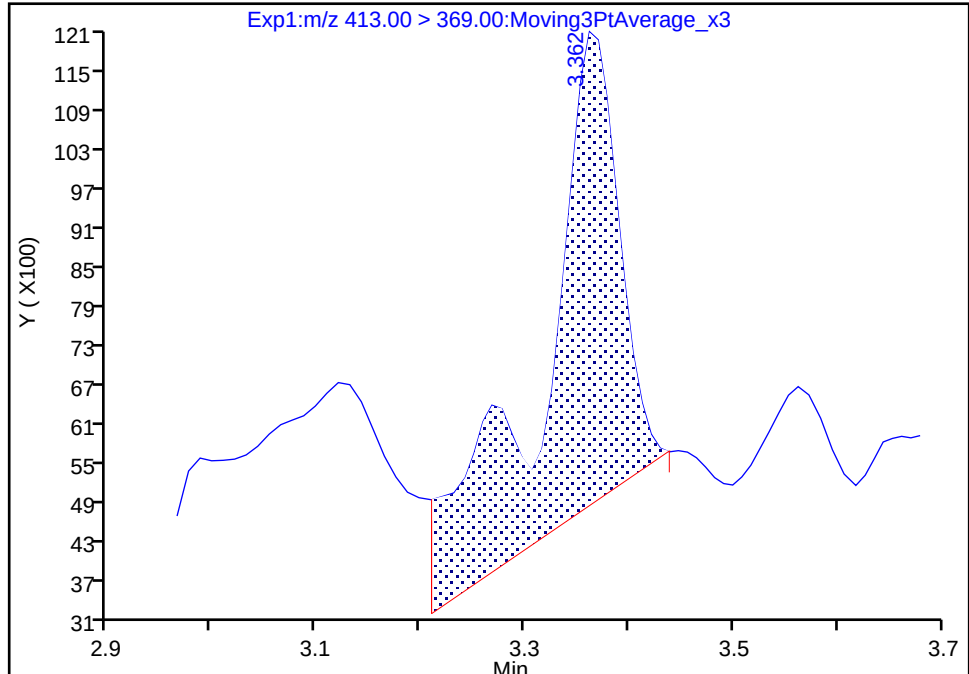
Data File:	\\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B18.d		
Injection Date:	19-Dec-2022 20:31:01	Instrument ID:	LC812
Lims ID:	460-271302-A-2-A	Lab Sample ID:	200-271302-2
Client ID:	BCS-21-14_(13-13.5)P		
Operator ID:	lc812tech	ALS Bottle#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	18

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

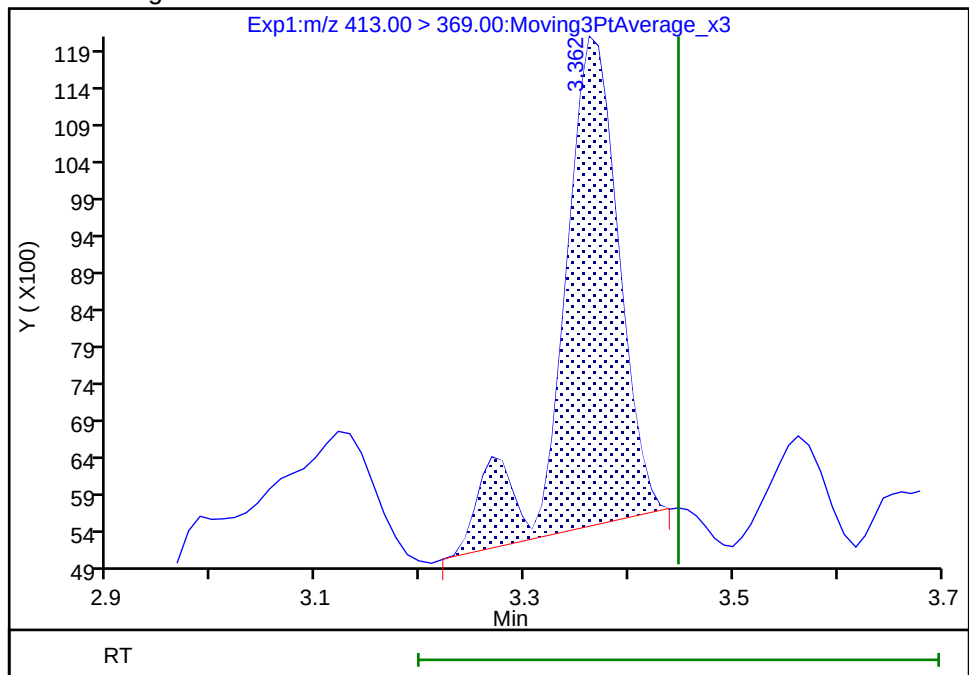
RT: 3.36
Area: 37490
Amount: 0.021094
Amount Units: ng/ml

Processing Integration Results



RT: 3.36
Area: 25382
Amount: 0.014282
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:45:54

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

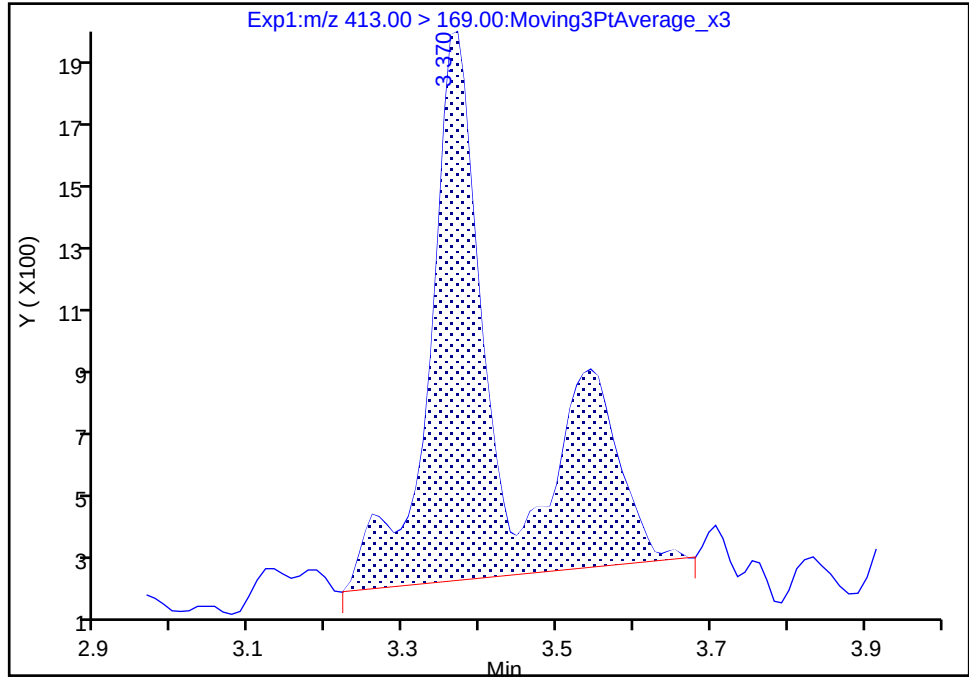
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B18.d
Injection Date: 19-Dec-2022 20:31:01 Instrument ID: LC812
Lims ID: 460-271302-A-2-A Lab Sample ID: 200-271302-2
Client ID: BCS-21-14_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

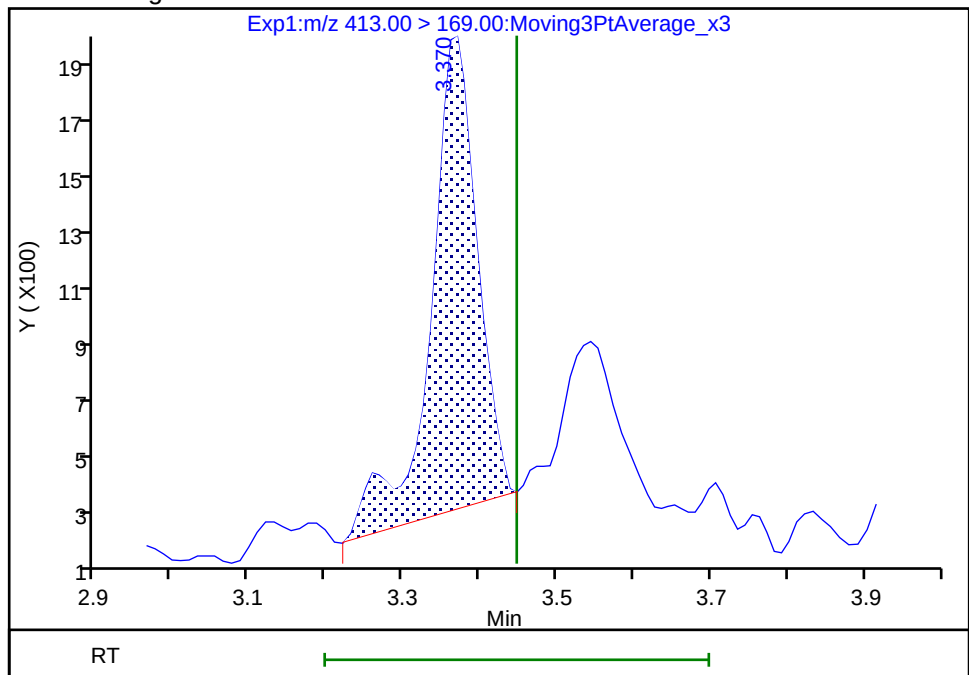
RT: 3.37
Area: 11389
Amount: 0.021094
Amount Units: ng/ml

Processing Integration Results



RT: 3.37
Area: 6968
Amount: 0.014282
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:45:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

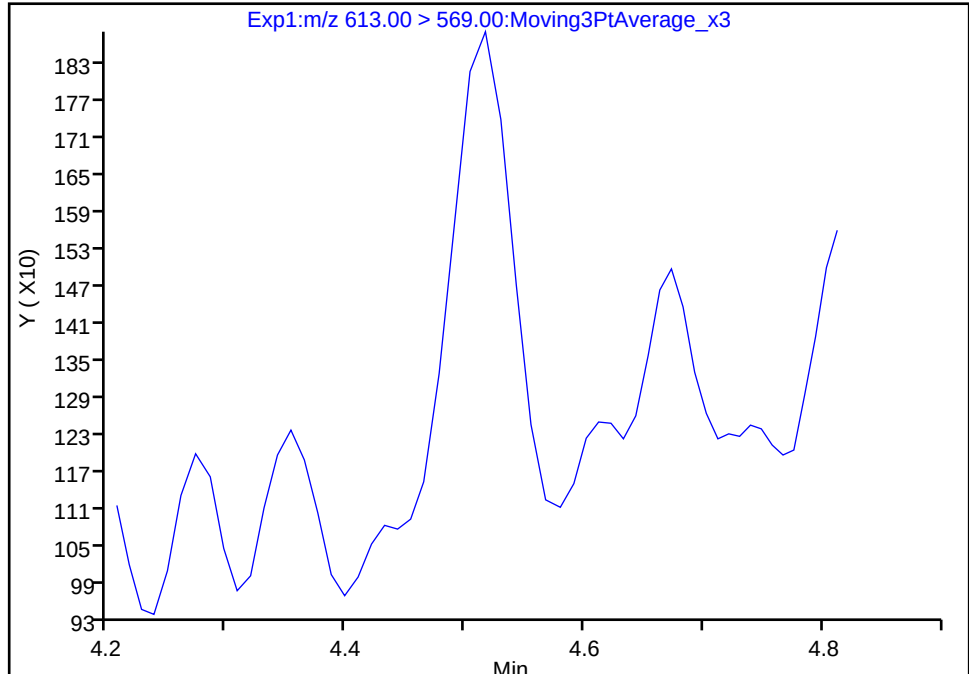
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B18.d
Injection Date: 19-Dec-2022 20:31:01 Instrument ID: LC812
Lims ID: 460-271302-A-2-A Lab Sample ID: 200-271302-2
Client ID: BCS-21-14_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

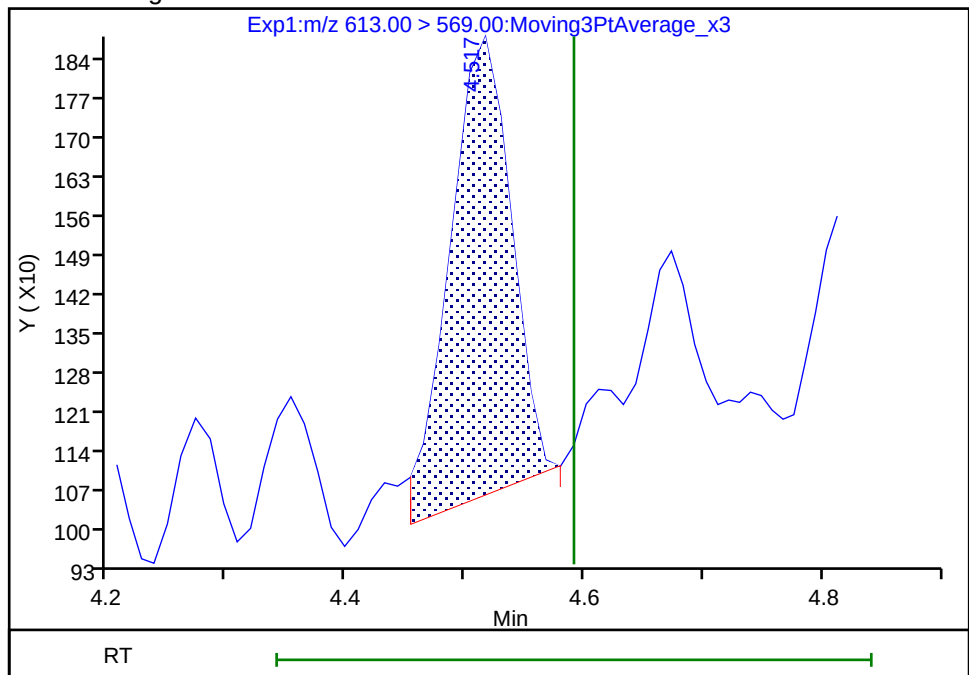
Signal: 1

Not Detected
Expected RT: 4.59

Processing Integration Results



Manual Integration Results



RT: 4.52
Area: 2934
Amount: 0.001682
Amount Units: ng/ml

Reviewer: khanphomeea, 20-Dec-2022 14:48:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

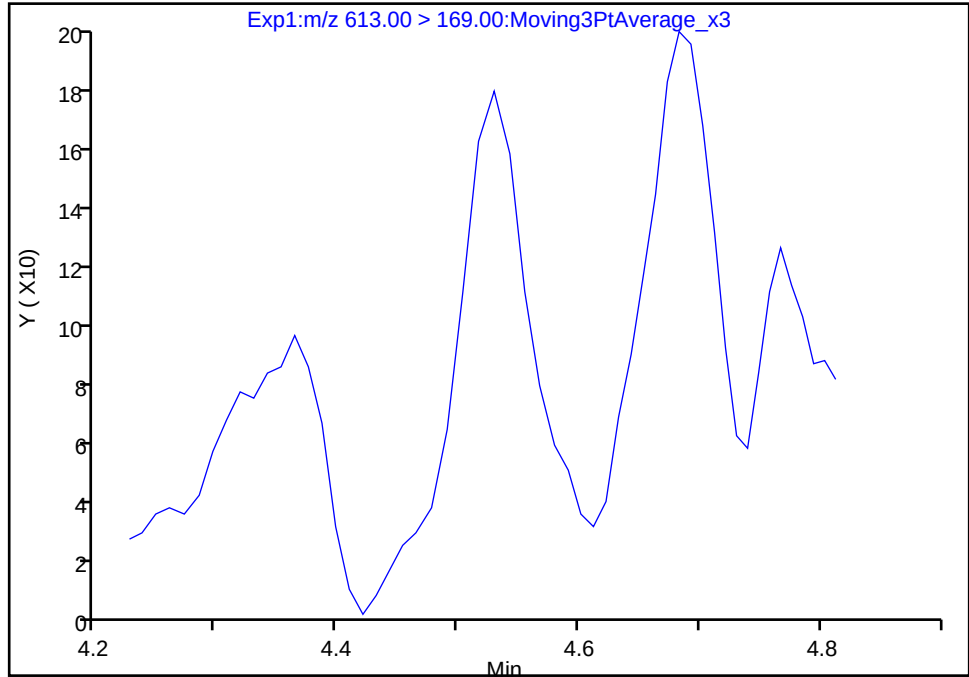
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B18.d
Injection Date: 19-Dec-2022 20:31:01 Instrument ID: LC812
Lims ID: 460-271302-A-2-A Lab Sample ID: 200-271302-2
Client ID: BCS-21-14_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

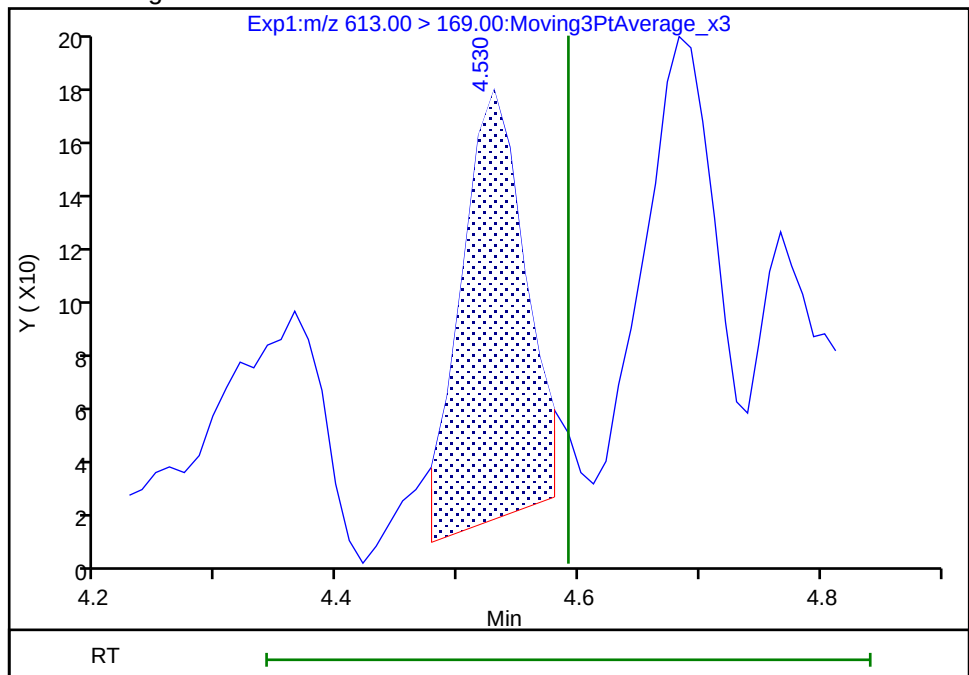
Not Detected
Expected RT: 4.59

Processing Integration Results



Manual Integration Results

RT: 4.53
Area: 556
Amount: 0.001682
Amount Units: ng/ml



Reviewer: khanphomeea, 20-Dec-2022 14:48:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

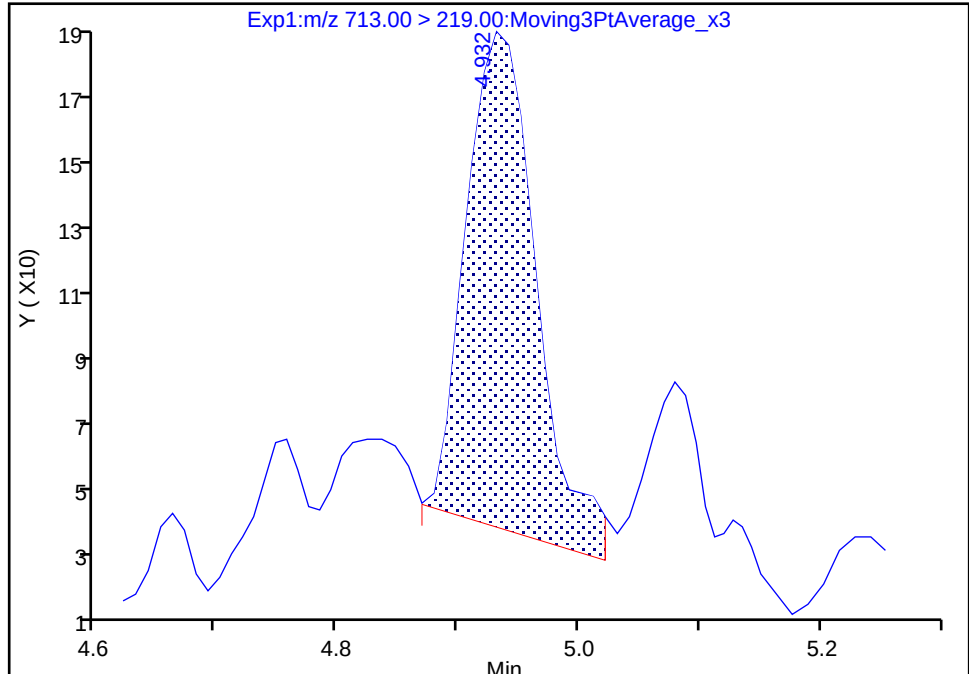
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B18.d
Injection Date: 19-Dec-2022 20:31:01 Instrument ID: LC812
Lims ID: 460-271302-A-2-A Lab Sample ID: 200-271302-2
Client ID: BCS-21-14_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

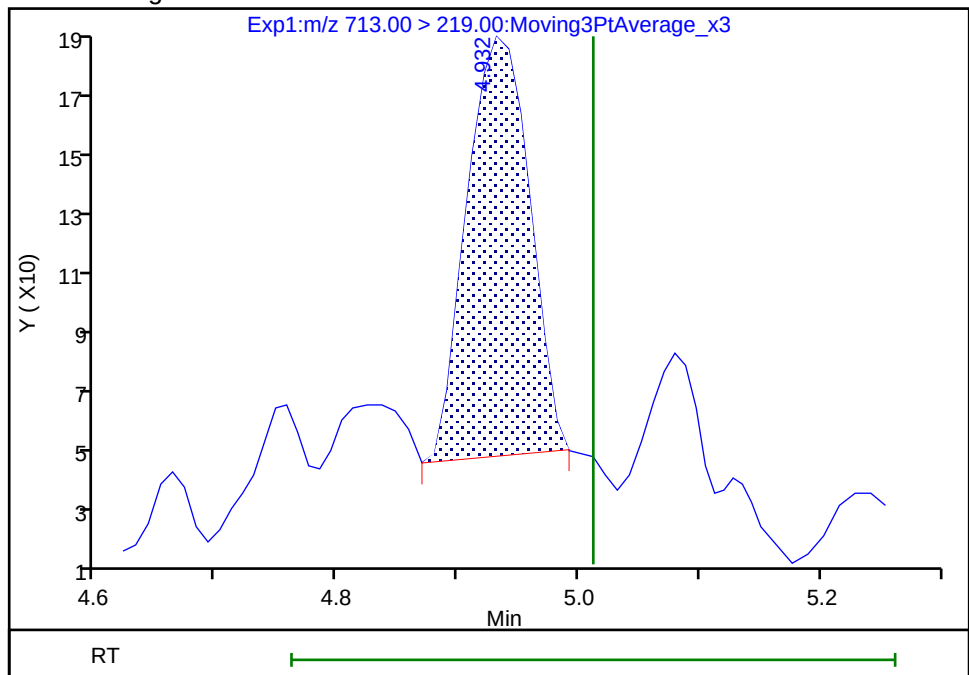
RT: 4.93
Area: 593
Amount: 0.001626
Amount Units: ng/ml

Processing Integration Results



RT: 4.93
Area: 498
Amount: 0.001932
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:48:50

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

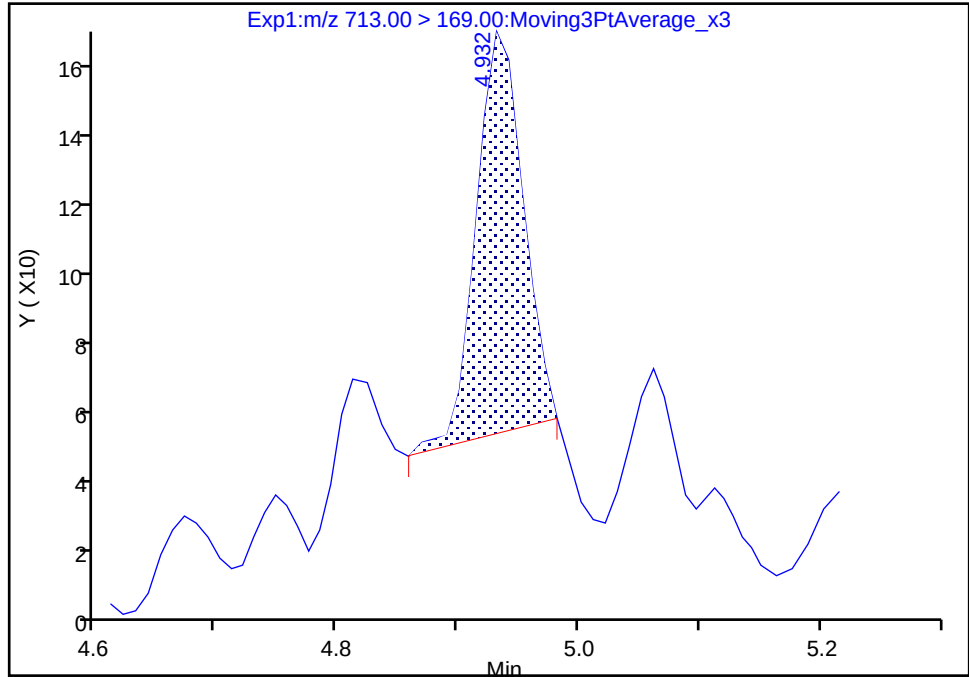
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B18.d
Injection Date: 19-Dec-2022 20:31:01 Instrument ID: LC812
Lims ID: 460-271302-A-2-A Lab Sample ID: 200-271302-2
Client ID: BCS-21-14_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

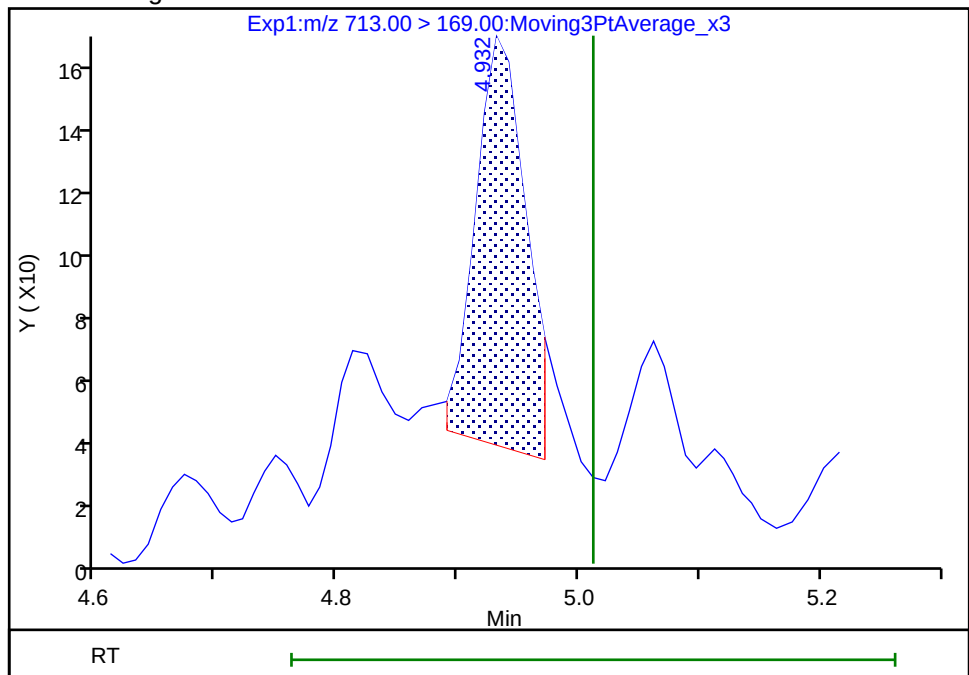
RT: 4.93
Area: 308
Amount: 0.001626
Amount Units: ng/ml

Processing Integration Results



RT: 4.93
Area: 366
Amount: 0.001932
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:48:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

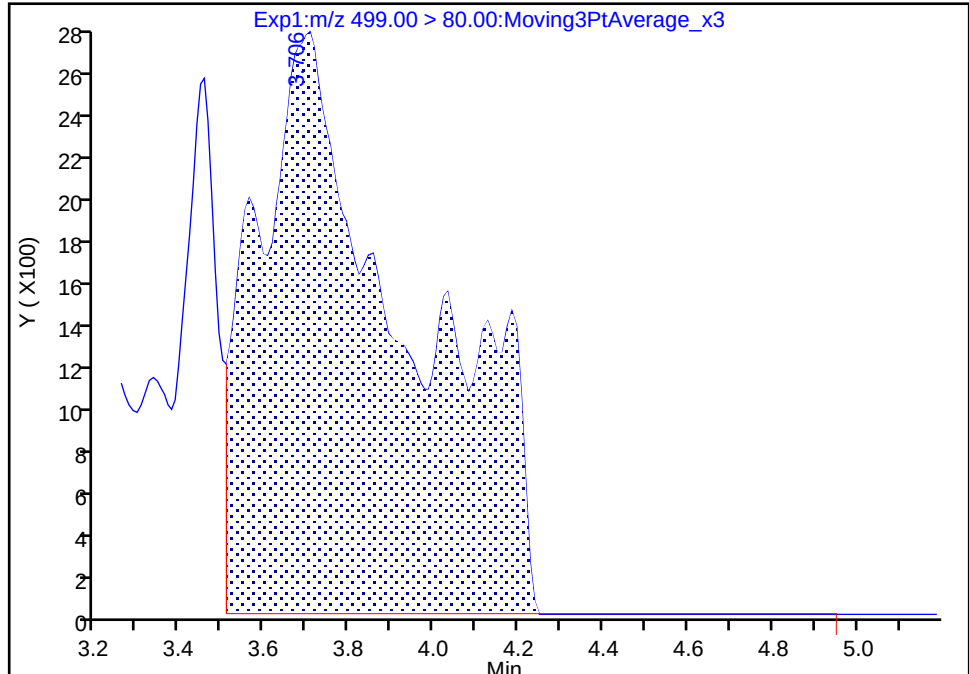
Data File:	\\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B18.d				
Injection Date:	19-Dec-2022 20:31:01	Instrument ID:	LC812		
Lims ID:	460-271302-A-2-A	Lab Sample ID:	200-271302-2		
Client ID:	BCS-21-14_(13-13.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

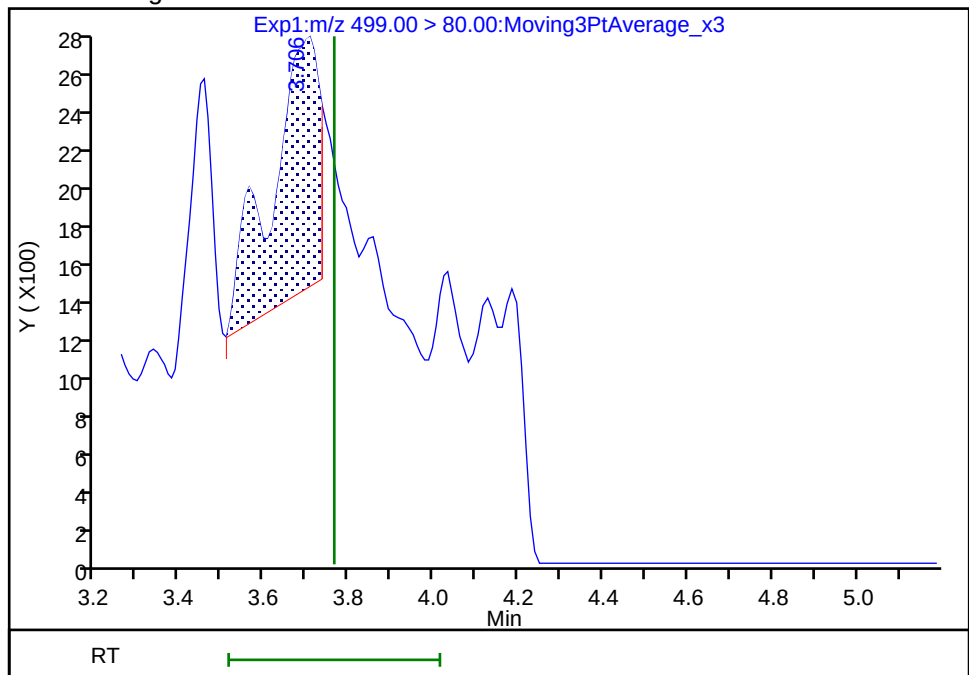
RT: 3.71
Area: 69270
Amount: 0.079060
Amount Units: ng/ml

Processing Integration Results



RT: 3.71
Area: 10191
Amount: 0.011631
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:46:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

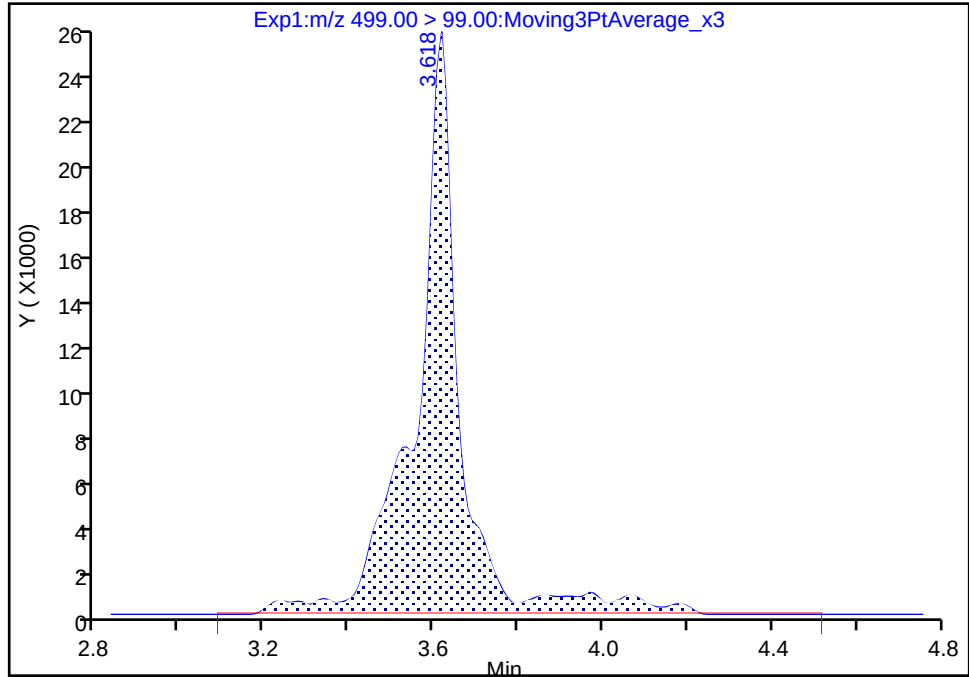
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B18.d
Injection Date: 19-Dec-2022 20:31:01 Instrument ID: LC812
Lims ID: 460-271302-A-2-A Lab Sample ID: 200-271302-2
Client ID: BCS-21-14_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

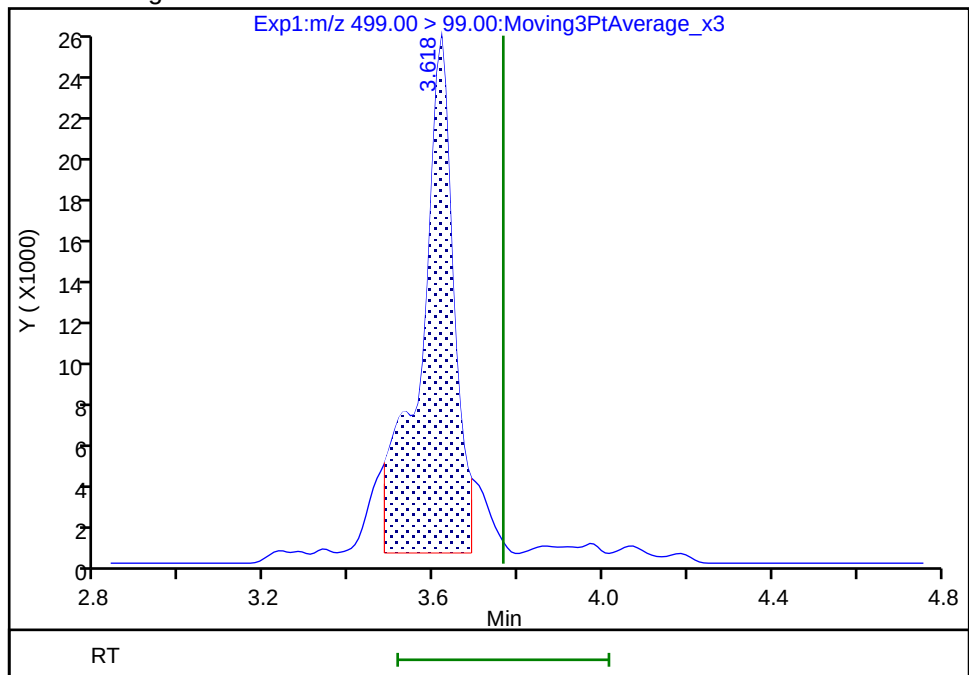
RT: 3.62
Area: 186322
Amount: 0.079060
Amount Units: ng/ml

Processing Integration Results



RT: 3.62
Area: 132129
Amount: 0.011631
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:46:49

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

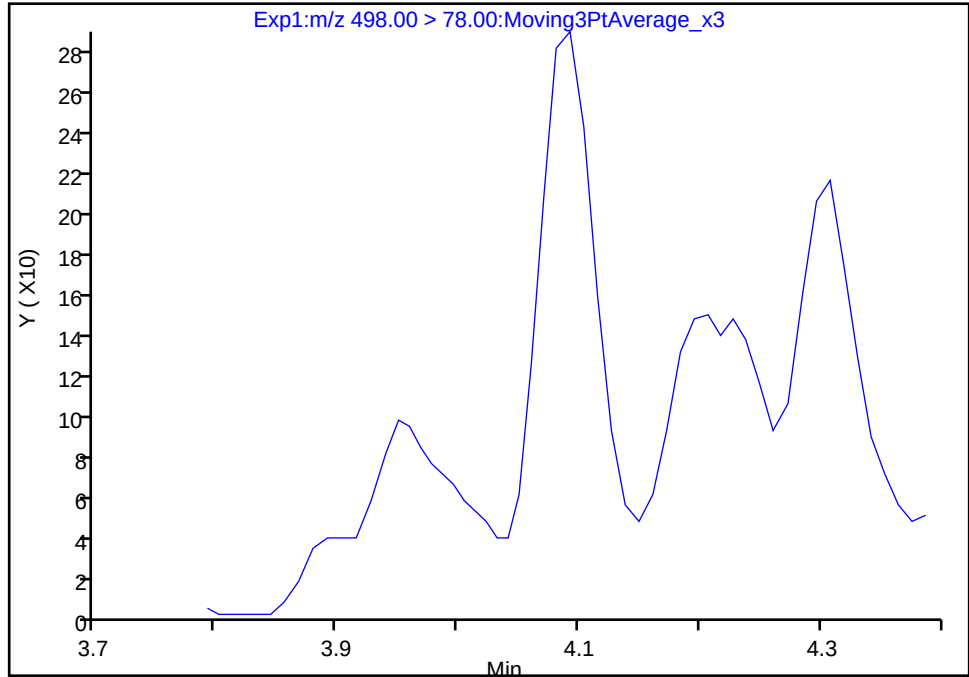
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B18.d
Injection Date: 19-Dec-2022 20:31:01 Instrument ID: LC812
Lims ID: 460-271302-A-2-A Lab Sample ID: 200-271302-2
Client ID: BCS-21-14_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

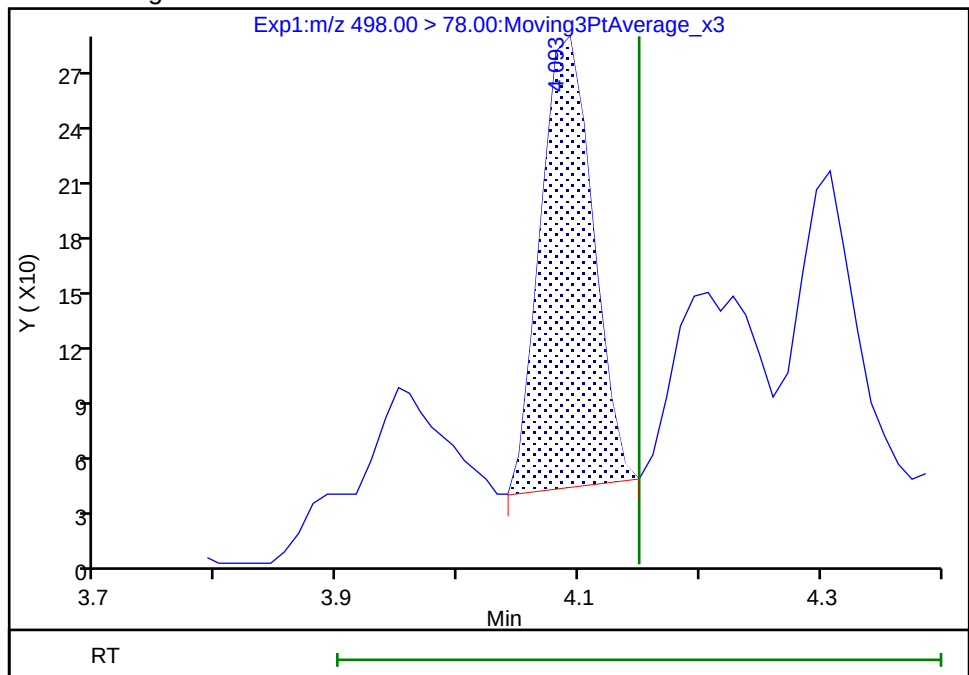
Not Detected
Expected RT: 4.15

Processing Integration Results



Manual Integration Results

RT: 4.09
Area: 728
Amount: 0.000593
Amount Units: ng/ml



Reviewer: khanphomeea, 20-Dec-2022 14:47:30

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

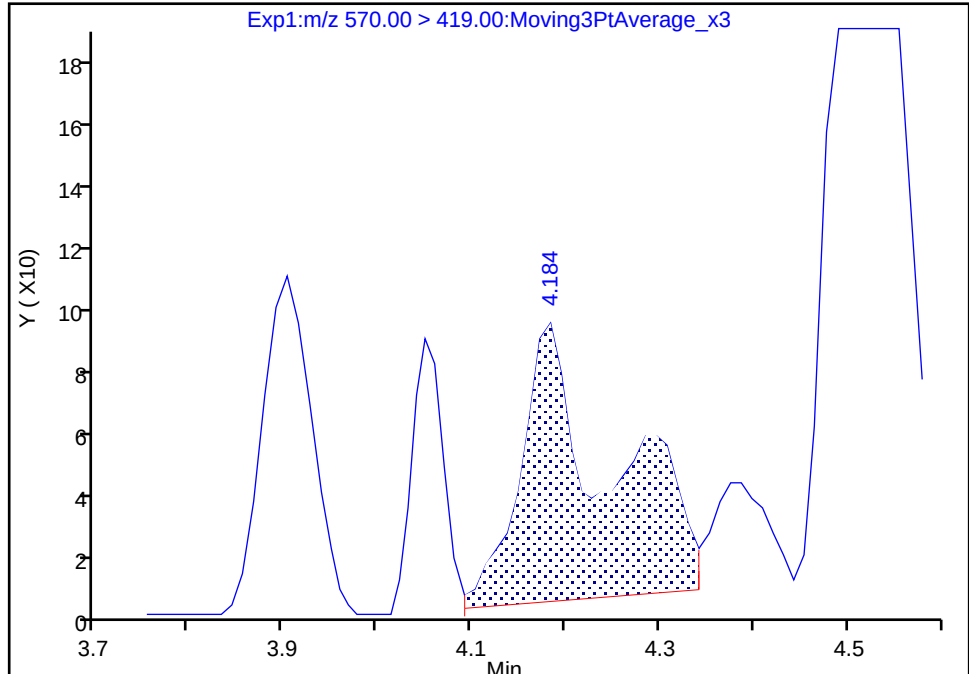
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B18.d
Injection Date: 19-Dec-2022 20:31:01 Instrument ID: LC812
Lims ID: 460-271302-A-2-A Lab Sample ID: 200-271302-2
Client ID: BCS-21-14_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

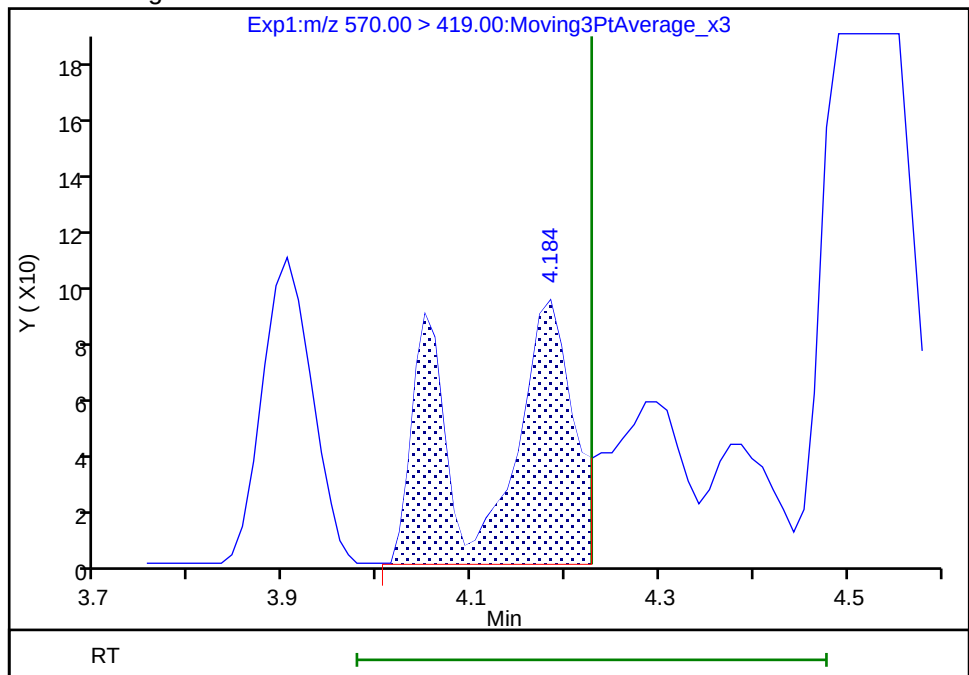
RT: 4.18
Area: 593
Amount: -0.009366
Amount Units: ng/ml

Processing Integration Results



RT: 4.18
Area: 572
Amount: -0.009446
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:47:46

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

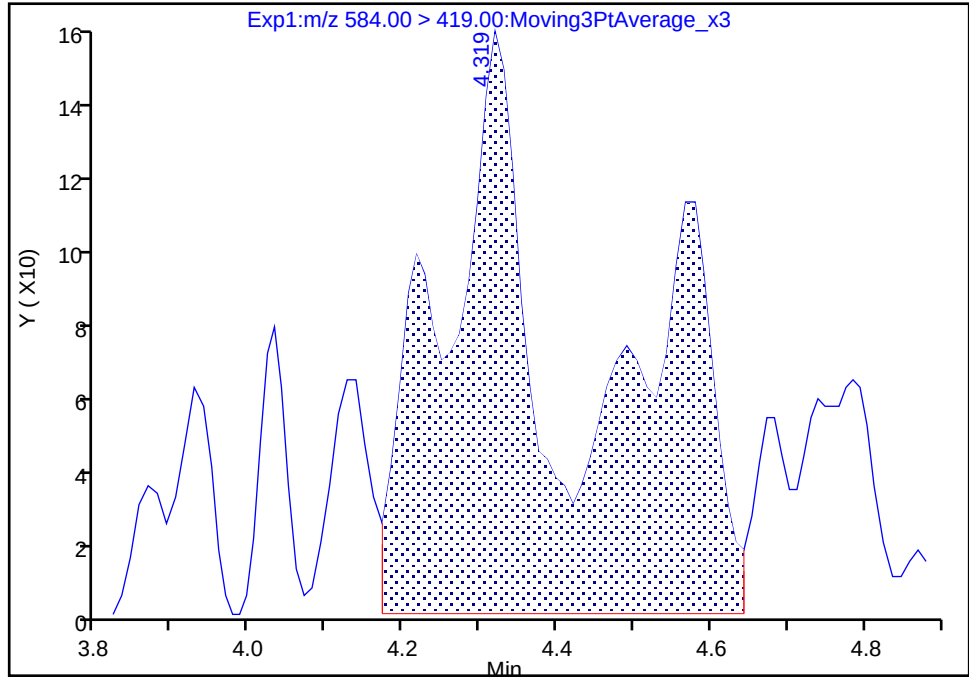
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B18.d
Injection Date: 19-Dec-2022 20:31:01 Instrument ID: LC812
Lims ID: 460-271302-A-2-A Lab Sample ID: 200-271302-2
Client ID: BCS-21-14_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

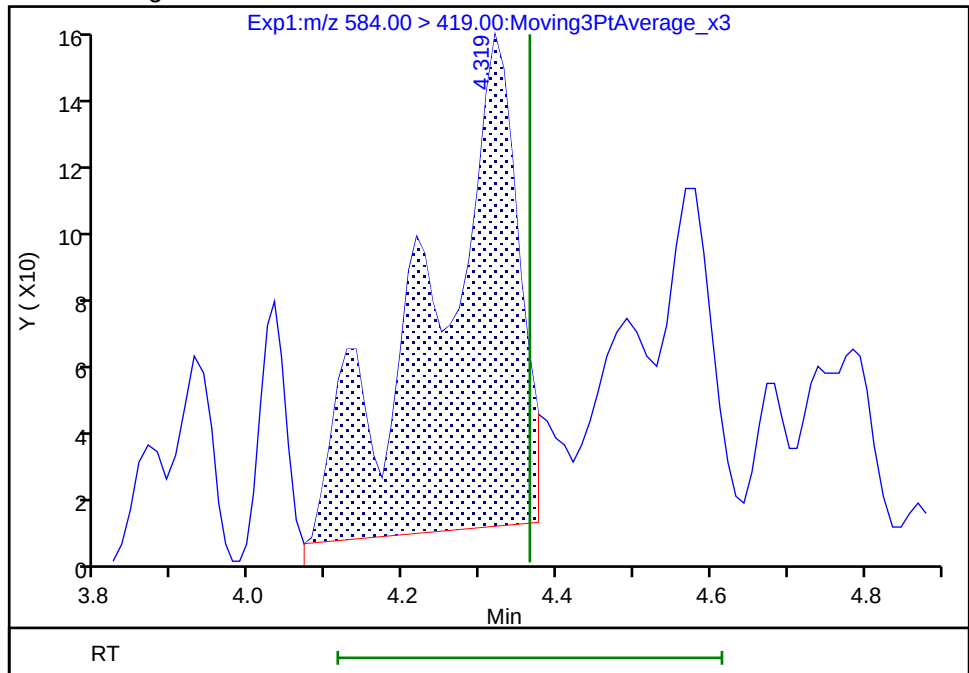
RT: 4.32
Area: 1996
Amount: 0.005908
Amount Units: ng/ml

Processing Integration Results



RT: 4.32
Area: 1146
Amount: 0.003392
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:48:13

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

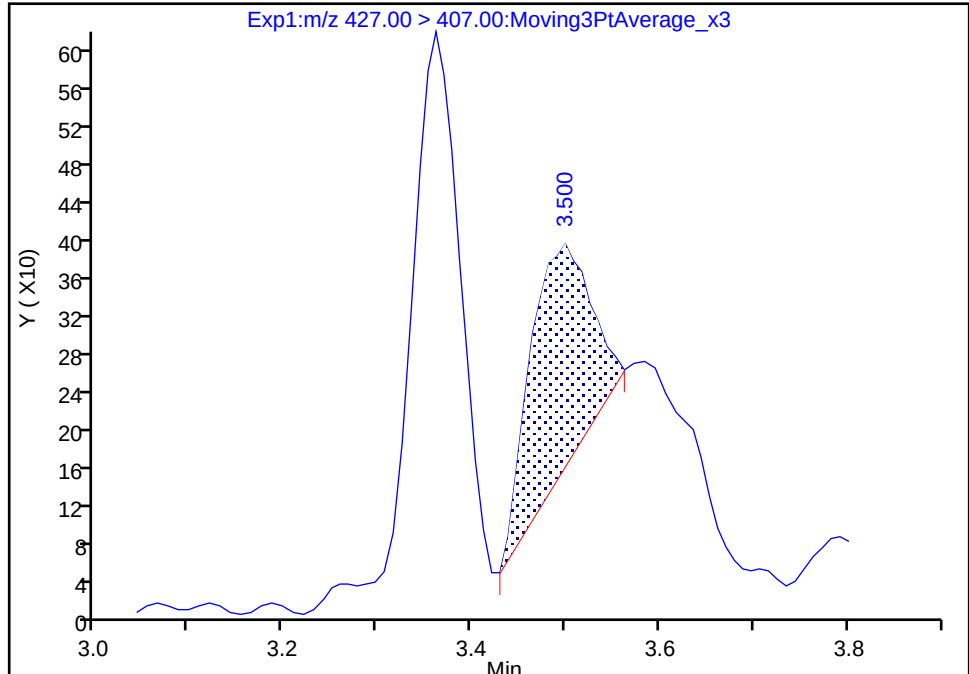
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B18.d
Injection Date: 19-Dec-2022 20:31:01 Instrument ID: LC812
Lims ID: 460-271302-A-2-A Lab Sample ID: 200-271302-2
Client ID: BCS-21-14_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

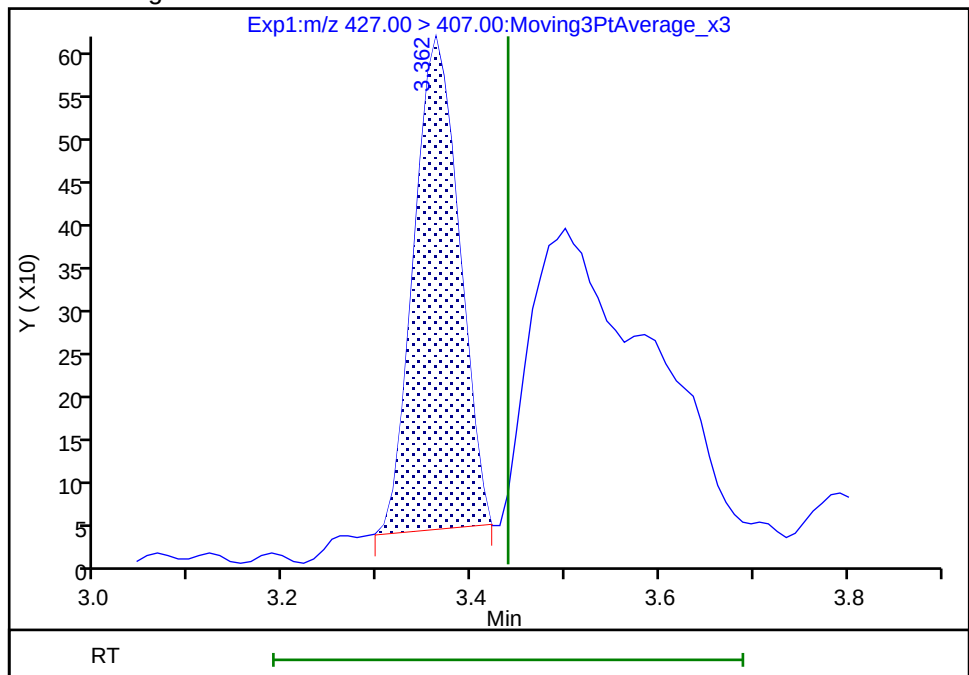
RT: 3.50
Area: 1084
Amount: -0.009496
Amount Units: ng/ml

Processing Integration Results



RT: 3.36
Area: 1935
Amount: -0.007631
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:45:24

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

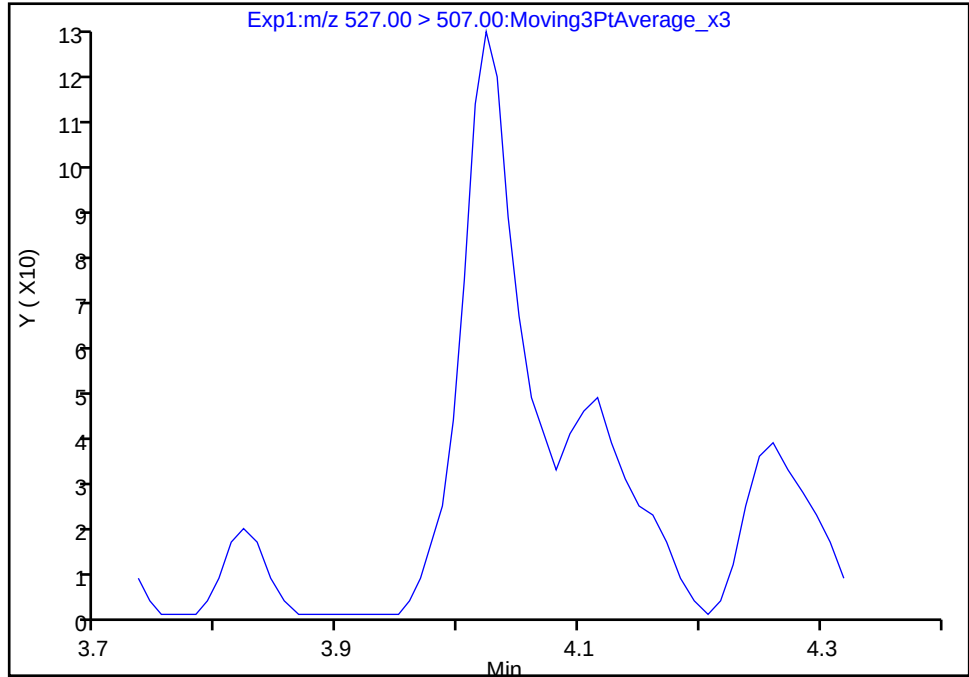
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B18.d
Injection Date: 19-Dec-2022 20:31:01 Instrument ID: LC812
Lims ID: 460-271302-A-2-A Lab Sample ID: 200-271302-2
Client ID: BCS-21-14_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

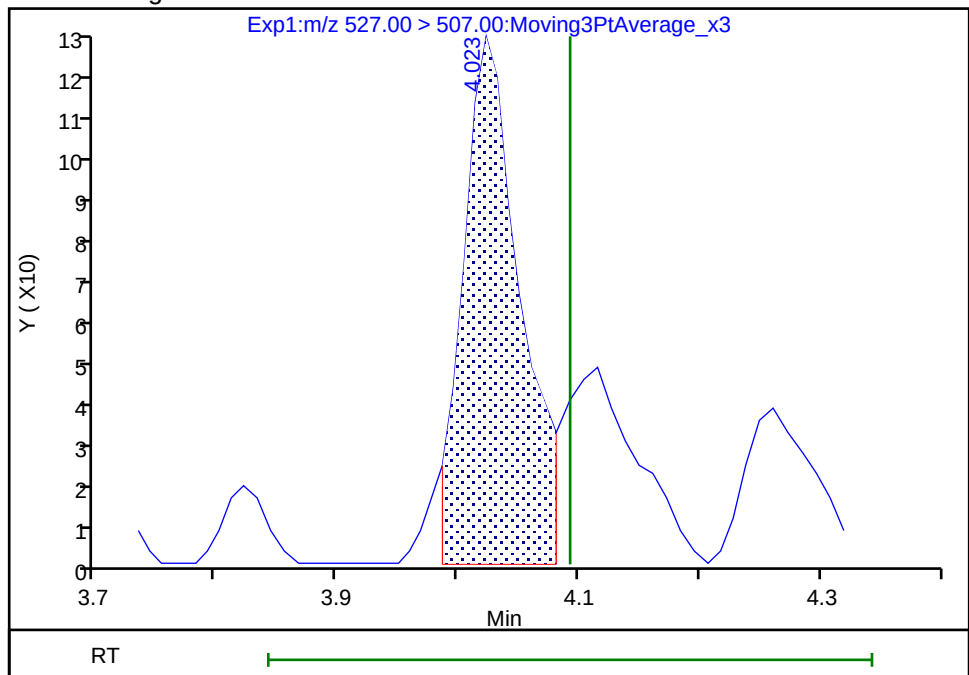
Signal: 1

Not Detected
Expected RT: 4.09

Processing Integration Results



Manual Integration Results



RT: 4.02
Area: 417
Amount: 0.000832
Amount Units: ng/ml

Reviewer: khanphomeea, 20-Dec-2022 14:47:21

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

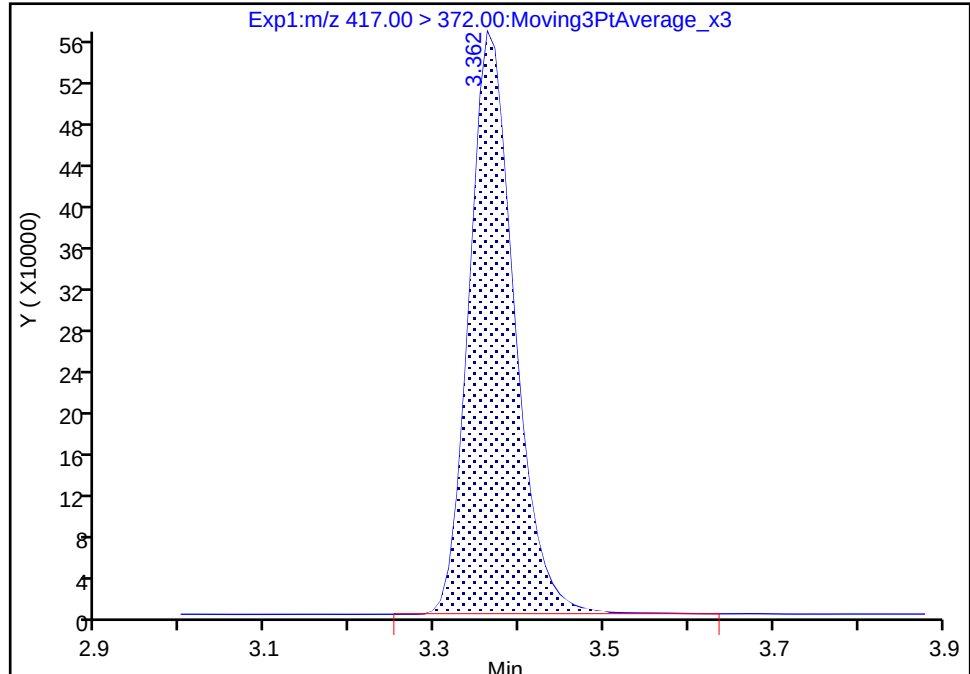
Data File:	\\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B18.d		
Injection Date:	19-Dec-2022 20:31:01	Instrument ID:	LC812
Lims ID:	460-271302-A-2-A	Lab Sample ID:	200-271302-2
Client ID:	BCS-21-14_(13-13.5)P		
Operator ID:	lc812tech	ALS Bottle#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	18

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

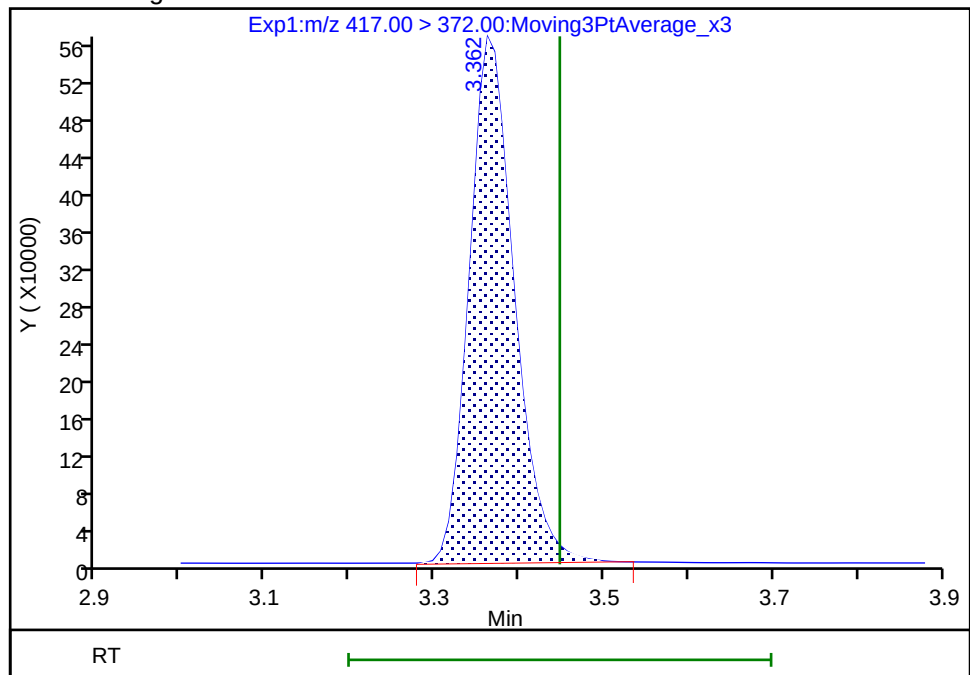
RT: 3.36
Area: 2088610
Amount: 0.930310
Amount Units: ng/ml

Processing Integration Results



RT: 3.36
Area: 2078091
Amount: 0.925625
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:43:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

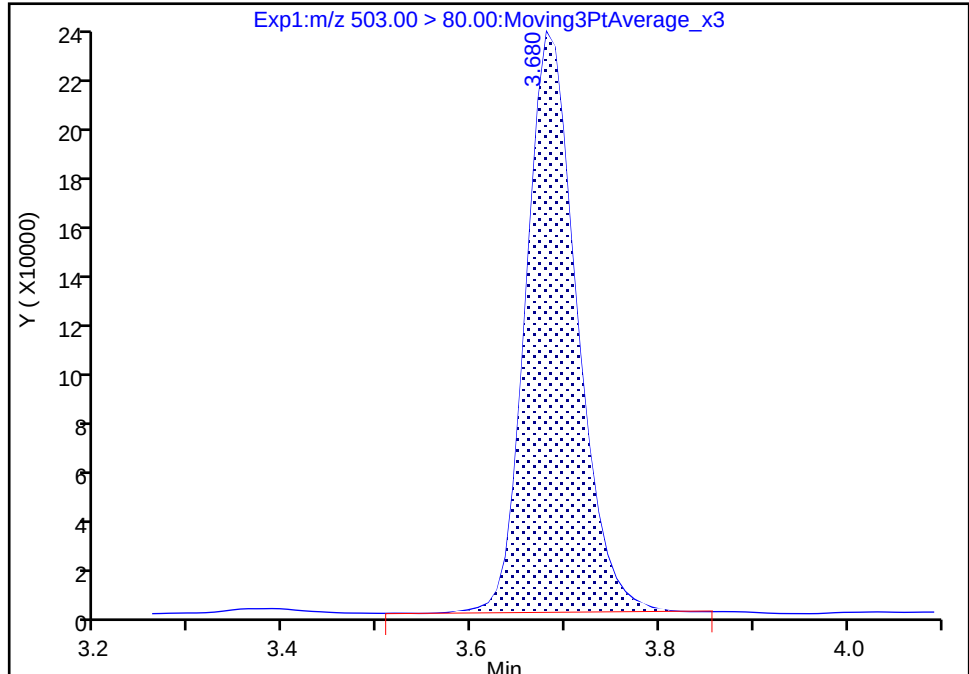
Data File:	\\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B18.d				
Injection Date:	19-Dec-2022 20:31:01	Instrument ID:	LC812		
Lims ID:	460-271302-A-2-A	Lab Sample ID:	200-271302-2		
Client ID:	BCS-21-14_(13-13.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 18 13C4 PFOS, CAS: STL00991

Signal: 1

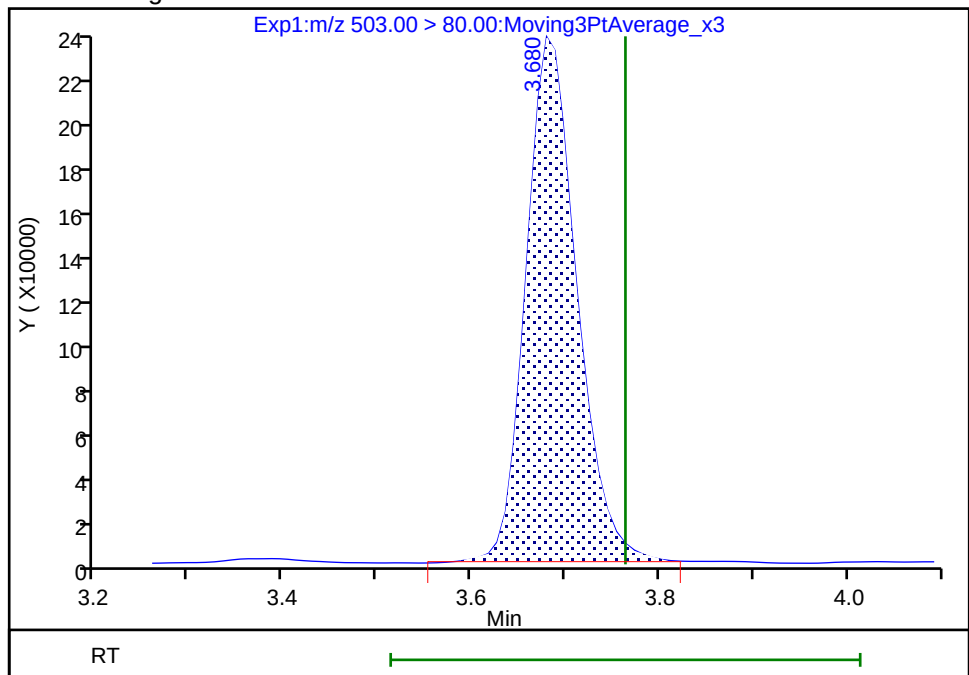
RT: 3.68
Area: 865836
Amount: 0.870073
Amount Units: ng/ml

Processing Integration Results



RT: 3.68
Area: 860944
Amount: 0.865157
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:43:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

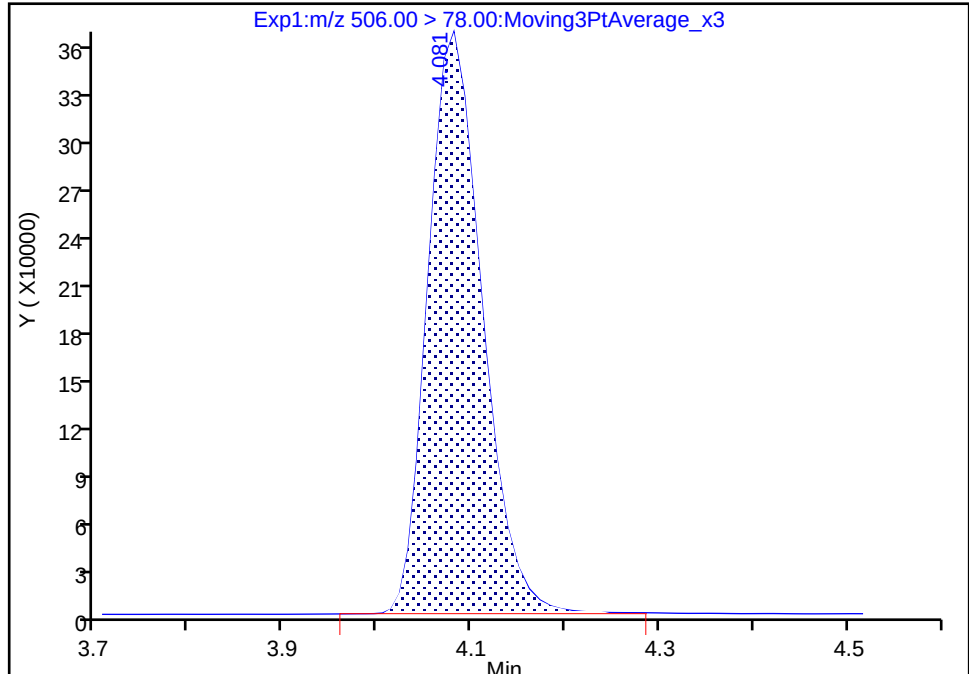
Data File:	\\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B18.d		
Injection Date:	19-Dec-2022 20:31:01	Instrument ID:	LC812
Lims ID:	460-271302-A-2-A	Lab Sample ID:	200-271302-2
Client ID:	BCS-21-14_(13-13.5)P		
Operator ID:	lc812tech	ALS Bottle#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	18

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

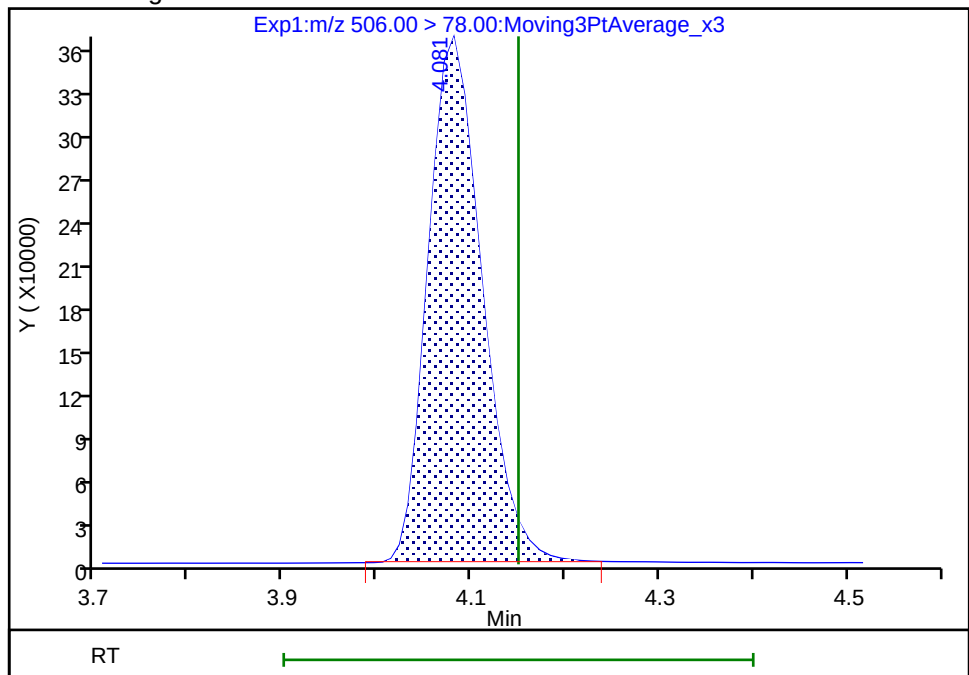
RT: 4.08
Area: 1471719
Amount: 0.807455
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 1468024
Amount: 0.805428
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:43:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

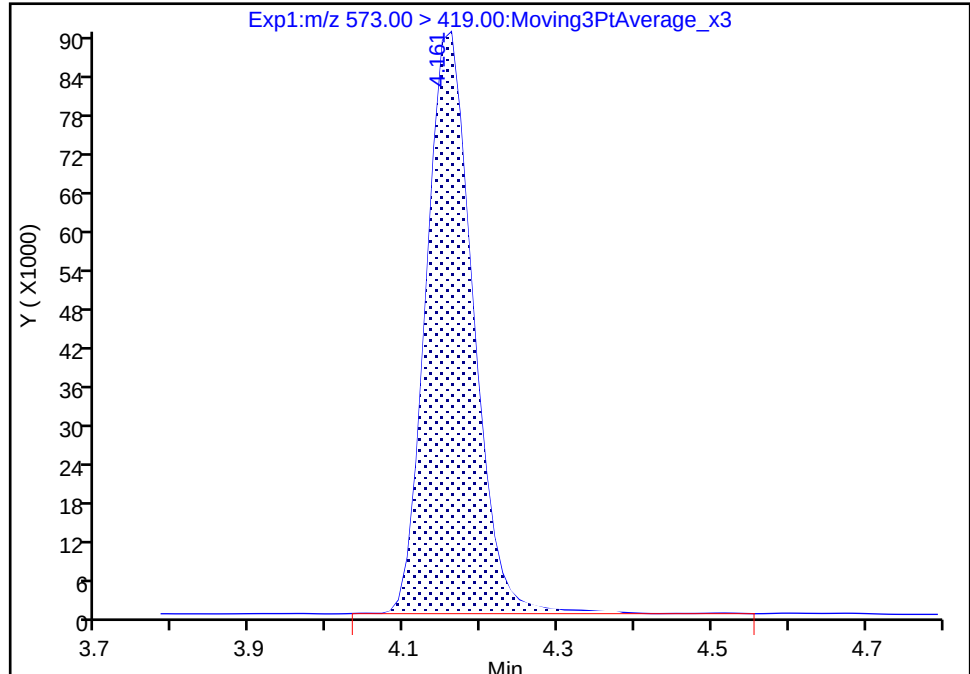
Data File:	\\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B18.d		
Injection Date:	19-Dec-2022 20:31:01	Instrument ID:	LC812
Lims ID:	460-271302-A-2-A	Lab Sample ID:	200-271302-2
Client ID:	BCS-21-14_(13-13.5)P		
Operator ID:	lc812tech	ALS Bottle#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	18

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

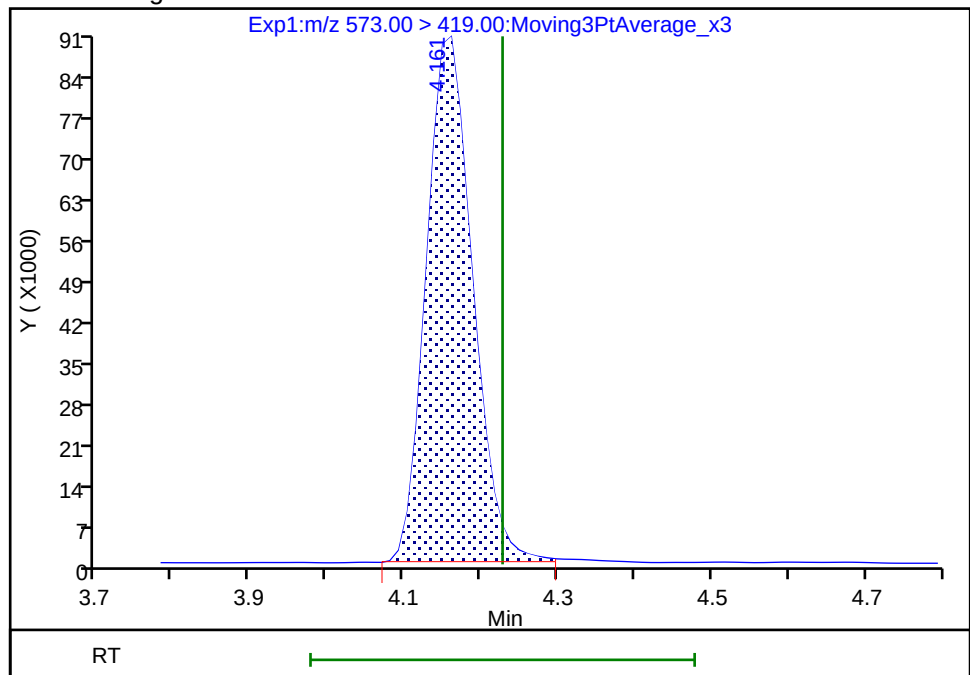
RT: 4.16
Area: 384233
Amount: 0.848824
Amount Units: ng/ml

Processing Integration Results



RT: 4.16
Area: 381104
Amount: 0.841911
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:44:05

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

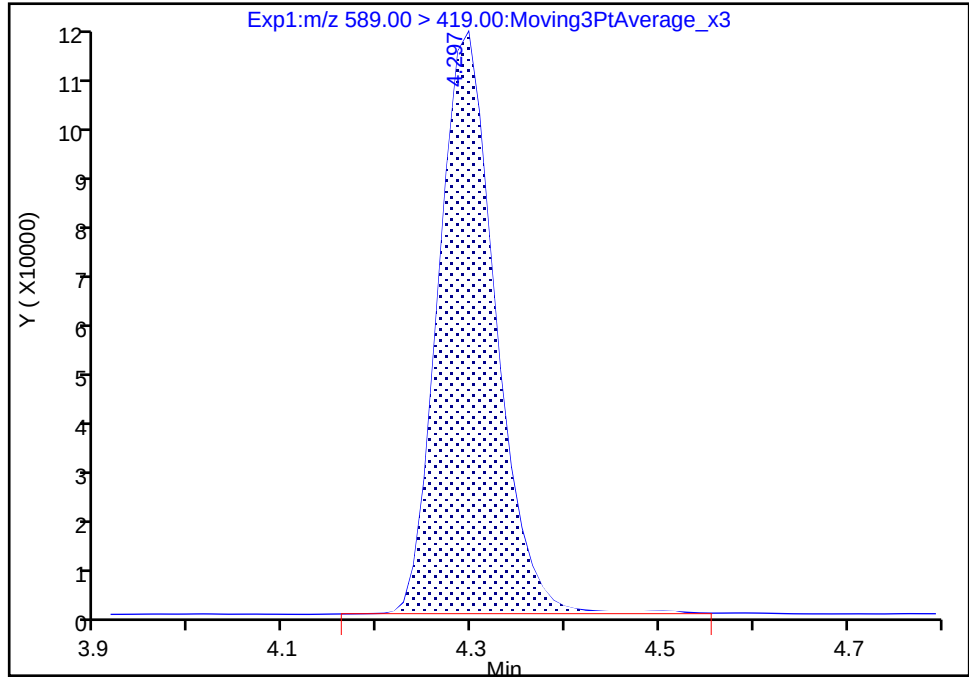
Data File:	\\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B18.d				
Injection Date:	19-Dec-2022 20:31:01	Instrument ID:	LC812		
Lims ID:	460-271302-A-2-A	Lab Sample ID:	200-271302-2		
Client ID:	BCS-21-14_(13-13.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 32 d5-NEtFOSAA, CAS: STL02117

Signal: 1

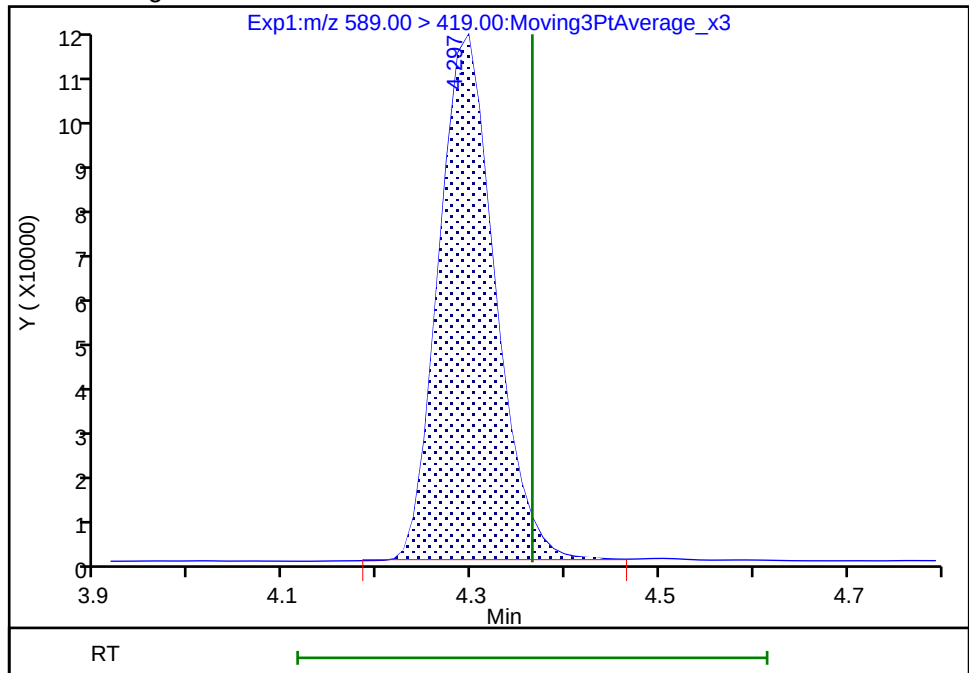
RT: 4.30
Area: 475429
Amount: 1.066658
Amount Units: ng/ml

Processing Integration Results



RT: 4.30
Area: 471751
Amount: 1.058406
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:44:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

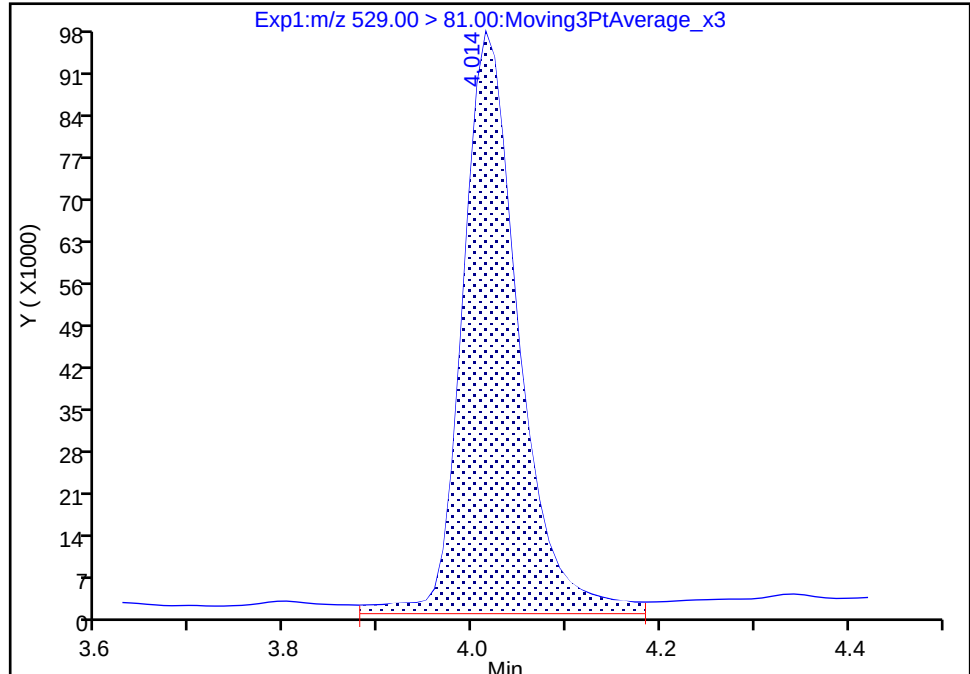
Data File:	\\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B18.d				
Injection Date:	19-Dec-2022 20:31:01	Instrument ID:	LC812		
Lims ID:	460-271302-A-2-A	Lab Sample ID:	200-271302-2		
Client ID:	BCS-21-14_(13-13.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 26 M2-8:2 FTS, CAS: STL02280

Signal: 1

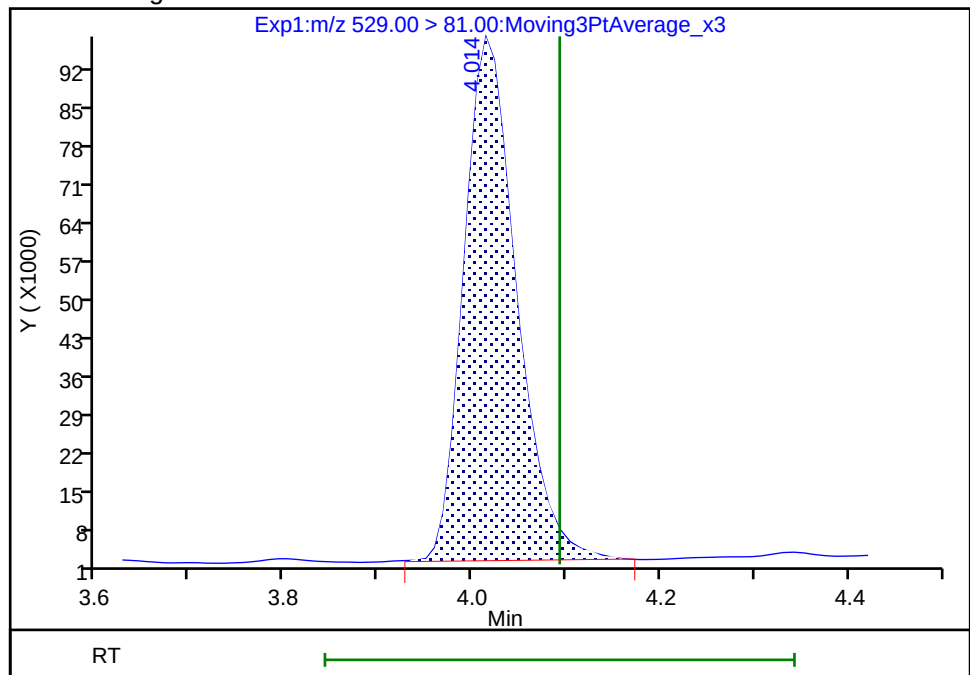
RT: 4.01
Area: 406314
Amount: 1.350734
Amount Units: ng/ml

Processing Integration Results



RT: 4.01
Area: 371058
Amount: 1.233530
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:43:48

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

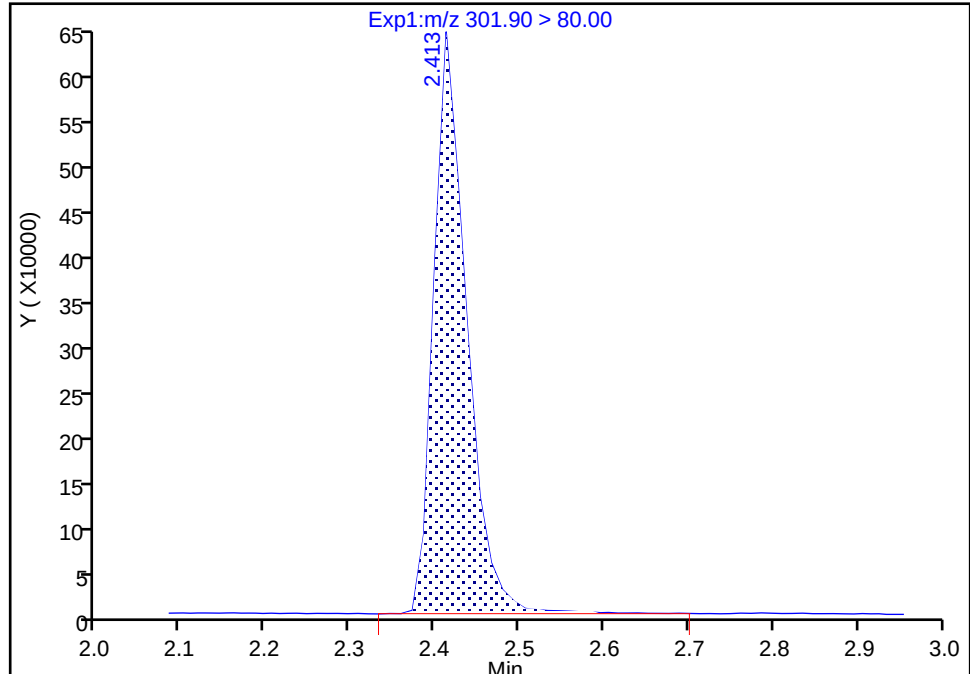
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B18.d
Injection Date: 19-Dec-2022 20:31:01 Instrument ID: LC812
Lims ID: 460-271302-A-2-A Lab Sample ID: 200-271302-2
Client ID: BCS-21-14_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

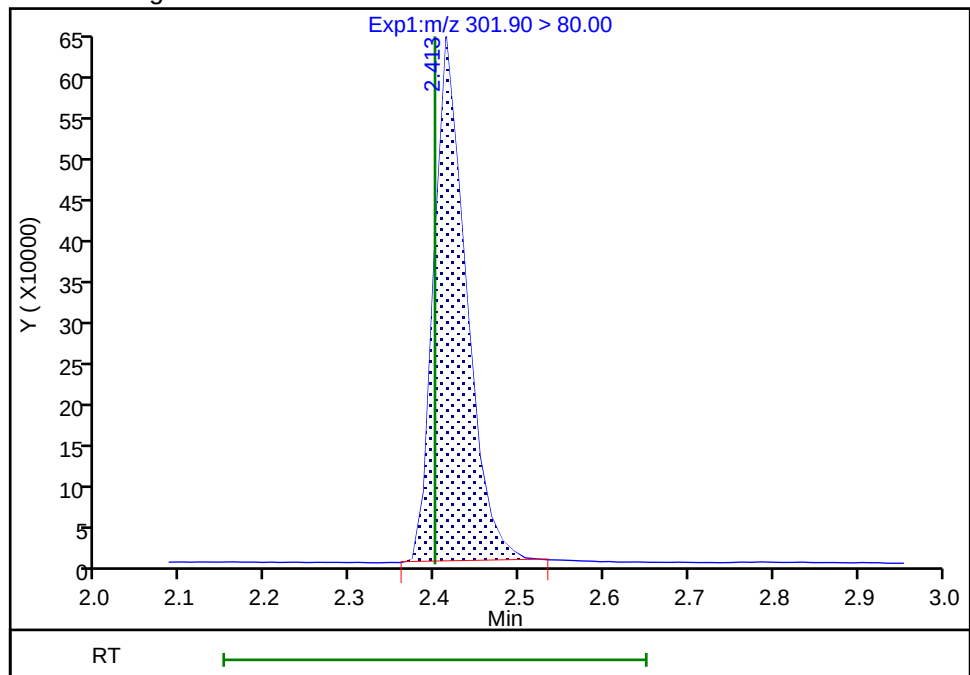
RT: 2.41
Area: 1738266
Amount: 0.863427
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 1706566
Amount: 0.847681
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:43:07

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-271302-1

SDG No.: _____

Client Sample ID: BCS-21-15_(13-13.5)P Lab Sample ID: 460-271302-3

Matrix: Solid Lab File ID: PA221219B19.d

Analysis Method: 537 (modified) Date Collected: 12/13/2022 13:45

Extraction Method: SHAKE Date Extracted: 12/16/2022 16:11

Sample wt/vol: 5.24(g) Date Analyzed: 12/19/2022 20:39

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6 (mm)

% Moisture: 25.9 % Solids: 74.1 GPC Cleanup: (Y/N) N

Cleanup Factor: _____

Analysis Batch No.: 186872 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.64	U	0.64	0.42
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.26	U	0.26	0.071
307-24-4	Perfluorohexanoic acid (PFHxA)	0.26	U	0.26	0.059
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.26	U	0.26	0.050
335-67-1	Perfluorooctanoic acid (PFOA)	0.26	U	0.26	0.075
375-95-1	Perfluorononanoic acid (PFNA)	0.26	U	0.26	0.044
335-76-2	Perfluorodecanoic acid (PFDA)	0.26	U	0.26	0.036
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.26	U	0.26	0.035
307-55-1	Perfluorododecanoic acid (PFDoA)	0.26	U	0.26	0.032
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.26	U	0.26	0.032
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.26	U	0.26	0.033
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.26	U	0.26	0.042
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.26	U	0.26	0.053
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.26	U	0.26	0.030
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.26	U	0.26	0.14
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.26	U	0.26	0.024
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.26	U	0.26	0.044
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.58	U	2.58	0.14
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.58	U	2.58	0.11
27619-97-2	6:2 FTS	2.58	U	2.58	0.073
39108-34-4	8:2 FTS	2.58	U	2.58	0.048

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-271302-1

SDG No.: _____

Client Sample ID: BCS-21-15_(13-13.5)P Lab Sample ID: 460-271302-3

Matrix: Solid Lab File ID: PA221219B19.d

Analysis Method: 537 (modified) Date Collected: 12/13/2022 13:45

Extraction Method: SHAKE Date Extracted: 12/16/2022 16:11

Sample wt/vol: 5.24(g) Date Analyzed: 12/19/2022 20:39

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6 (mm)

% Moisture: 25.9 % Solids: 74.1 GPC Cleanup: (Y/N) N

Cleanup Factor: _____

Analysis Batch No.: 186872 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	84		50-150
STL01892	13C4 PFHpA	88		50-150
STL00990	13C4 PFOA	89		50-150
STL00991	13C4 PFOS	83		50-150
STL00995	13C5 PFNA	93		50-150
STL00992	13C4 PFBA	83		50-150
STL00993	13C2 PFHxA	88		50-150
STL00996	13C2 PFDA	96		50-150
STL00997	13C2 PFUnA	100		50-150
STL00998	13C2 PFDoA	95		50-150
STL01056	13C8 FOSA	80		50-150
STL01893	13C5 PFPeA	82		50-150
STL02116	13C2 PFTeDA	94		50-150
STL02118	d3-NMeFOSAA	83		50-150
STL02117	d5-NEtFOSAA	101		50-150
STL02279	M2-6:2 FTS	92		50-150
STL02280	M2-8:2 FTS	104		50-150
STL02337	13C3 PFBS	84		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B19.d
 Lims ID: 460-271302-A-3-A
 Client ID: BCS-21-15_(13-13.5)P
 Sample Type: Client
 Inject. Date: 19-Dec-2022 20:39:11 ALS Bottle#: 19 Worklist Smp#: 19
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 460-271302-A-3-A
 Misc. Info.: 200-0053737-019 Plate: 1 Rack: 2
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 22-Dec-2022 09:36:59 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1616

First Level Reviewer: khanphomeea

Date: 20-Dec-2022 14:54:33

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.085	2.076	0.009	0.612	2664221	1.04		82.9	8070	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.094	2.076	0.018	1.004	82712	0.0376			6.5	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.373	2.387	-0.014	0.697	2016832	1.03		82.4	2234	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.373	2.387	-0.014	1.000	15274	0.008686			0.3	M
D 47 13C3 PFBS										
301.90 > 80.00	2.387	2.400	-0.013	0.701	2076143	0.9755		83.9	142257	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.400	2.400	0.0	1.006	3255	0.001593	Target=2.09		1.1	
298.90 > 99.00	2.400	2.400	0.0	1.006	1392		2.34(1.04-3.13)		0.1	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.713	2.725	-0.012	0.797	2246610	1.09		87.6	4736	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.713	2.725	-0.012	1.000	17678	0.009027	Target=14.25		1.8	M
313.00 > 119.00	2.713	2.725	-0.012	1.000	2028		8.72(7.12-21.37)		1.6	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.054	3.088	-0.034	0.897	1535827	0.99		83.8	2510	
8 Perfluorohexanesulfonic acid										RM
399.00 > 80.00	3.054	3.088	-0.034	1.000	6212	0.004238	Target=3.66		4.5	RM
399.00 > 99.00	3.077	3.088	-0.011	1.007	6496		0.96(1.83-5.49)		1.2	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.066	3.099	-0.033	0.901	2316628	1.10		87.8	2519	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.054	3.099	-0.045	0.996	8294	0.004110	Target=3.97		1.0	M
363.00 > 169.00	3.077	3.099	-0.022	1.004	2707		3.06(1.98-5.95)		3.7	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 12 M2-6:2 FTS										
429.00 > 81.00	3.396	3.439	-0.043	0.998	283732	1.09		91.9	158	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.396	3.439	-0.043	1.000	2595	-0.006731			6.4	
D 14 13C4 PFOA										
417.00 > 372.00	3.404	3.448	-0.044	1.000	2634091	1.11		88.8	3756	
* 62 13C2 PFOA										
415.00 > 370.00	3.404	3.448	-0.044		2866409	1.25			3638	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.404	3.448	-0.044	1.000	18275	0.008112	Target=2.79		1.2	
413.00 > 169.00	3.413	3.448	-0.035	1.003	6990		2.61(1.40-4.19)		8.6	M
D 18 13C4 PFOS										
503.00 > 80.00	3.716	3.764	-0.048	1.092	1046744	0.99		83.3	833	
17 Perfluorooctanesulfonic acid										RM
499.00 > 80.00	3.716	3.764	-0.048	1.000	17727	0.0166	Target=5.11		11.0	RM
499.00 > 99.00	3.584	3.764	-0.180	0.965	26126		0.68(2.55-7.66)		6.8	M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.726	3.783	-0.057	0.997	4853	0.002192	Target=8.55		0.7	M
463.00 > 169.00	3.735	3.783	-0.048	1.000	584		8.31(4.28-12.83)		1.7	M
D 19 13C5 PFNA										
468.00 > 423.00	3.735	3.783	-0.048	1.097	2668190	1.16		92.5	5037	
D 23 13C2 PFDA										
515.00 > 470.00	4.032	4.081	-0.049	1.185	2810305	1.20		95.7	3011	
D 26 M2-8:2 FTS										M
529.00 > 81.00	4.032	4.093	-0.061	1.185	395013	1.24		104	221	M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.023	4.093	-0.070	0.998	362	0.000679			5.8	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.093	4.150	-0.057	1.000	1677	0.001040			5.7	M
D 21 13C8 FOSA										
506.00 > 78.00	4.093	4.150	-0.057	1.202	1928614	1.00		80.1	2303	
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.173	4.228	-0.055	1.226	497679	1.04		83.2	1596	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.093	4.228	-0.135	0.981	326	-0.0107			1.1	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.297	4.353	-0.056	1.262	2696512	1.25		100	5311	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.353	4.365	-0.012	1.010	438	0.001027			2.7	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.308	4.365	-0.057	1.266	595767	1.26		101	919	
D 36 13C2 PFDaA										
615.00 > 570.00	4.530	4.591	-0.061	1.331	2614688	1.19		95.4	4777	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.758	4.804	-0.046	1.050	1727	0.000815	Target=5.21		0.2	M
663.00 > 169.00	4.740	4.804	-0.064	1.046	239		7.23(2.60-7.81)		1.4	M

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 4.932 5.012 -0.080 0.998 493 0.002031 Target=0.89 4.1 M

713.00 > 219.00 4.942 5.012 -0.070 1.000 570 0.86(0.44-1.33) 5.7 M

D 43 13C2 PFTeDA

715.00 > 670.00 4.942 5.012 -0.070 1.452 2216835 1.17 93.5 3448

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B19.d

Injection Date: 19-Dec-2022 20:39:11

Instrument ID: LC812

Lims ID: 460-271302-A-3-A

Lab Sample ID: 200-271302-3

Client ID: BCS-21-15_(13-13.5)P

Operator ID: lc812tech

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

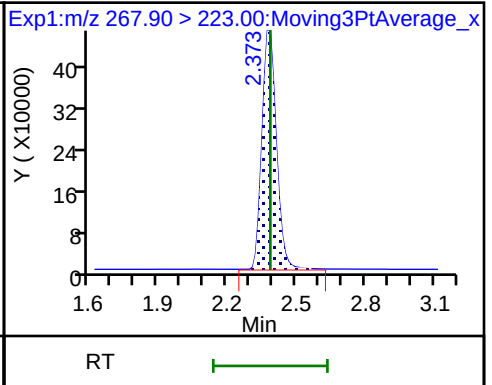
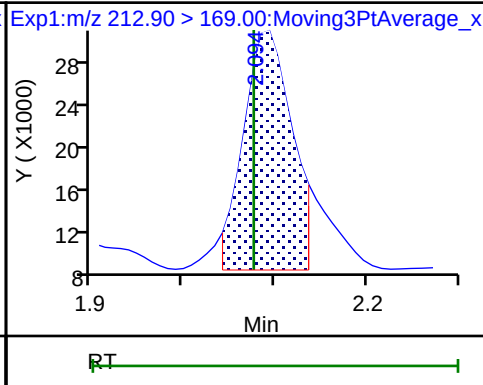
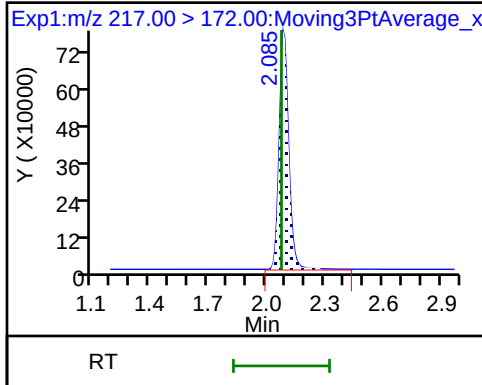
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

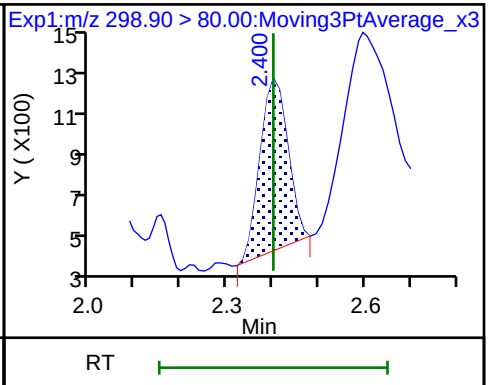
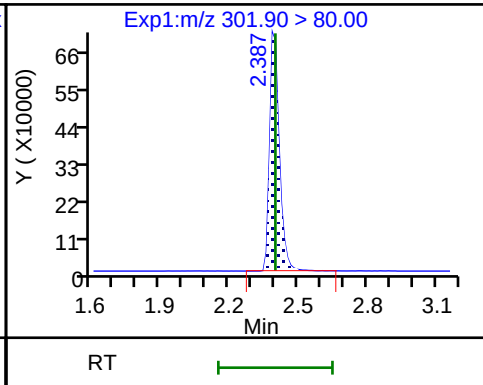
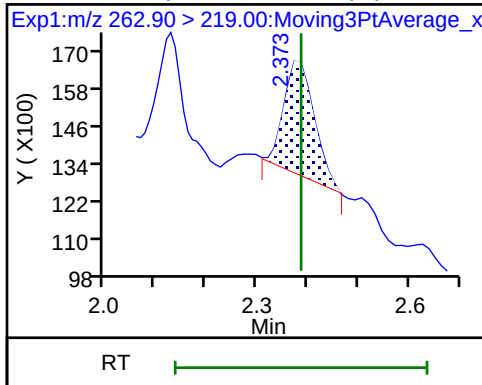
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS

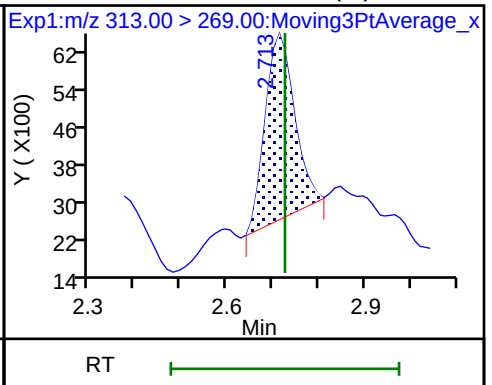
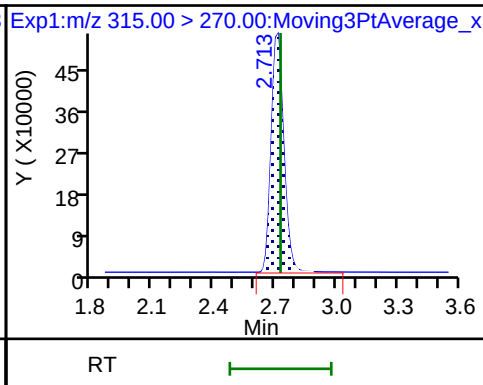
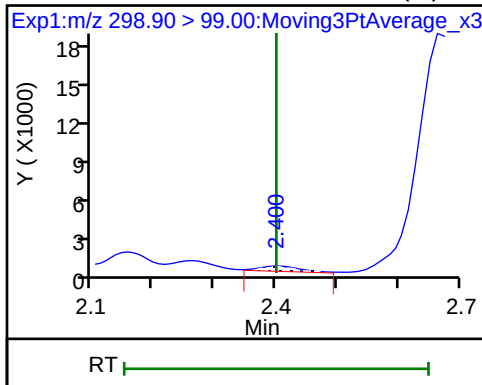
5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid (M)

D 7 13C2 PFHxA

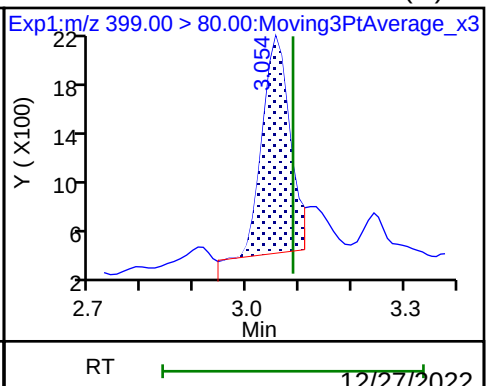
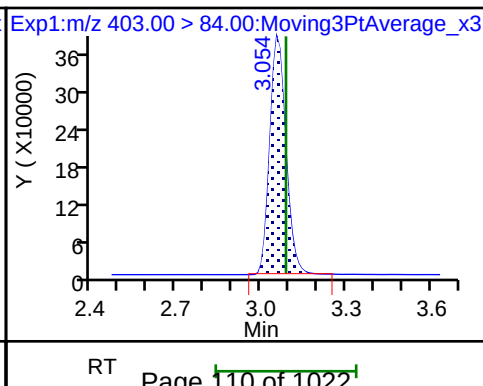
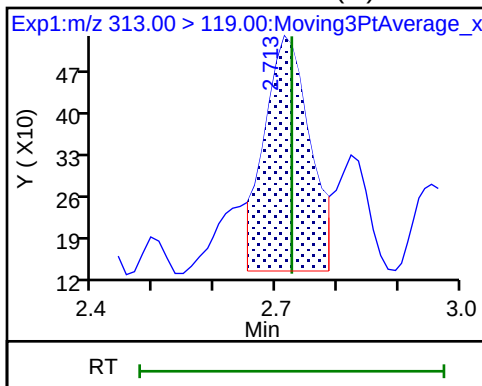
6 Perfluorohexanoic acid (M)

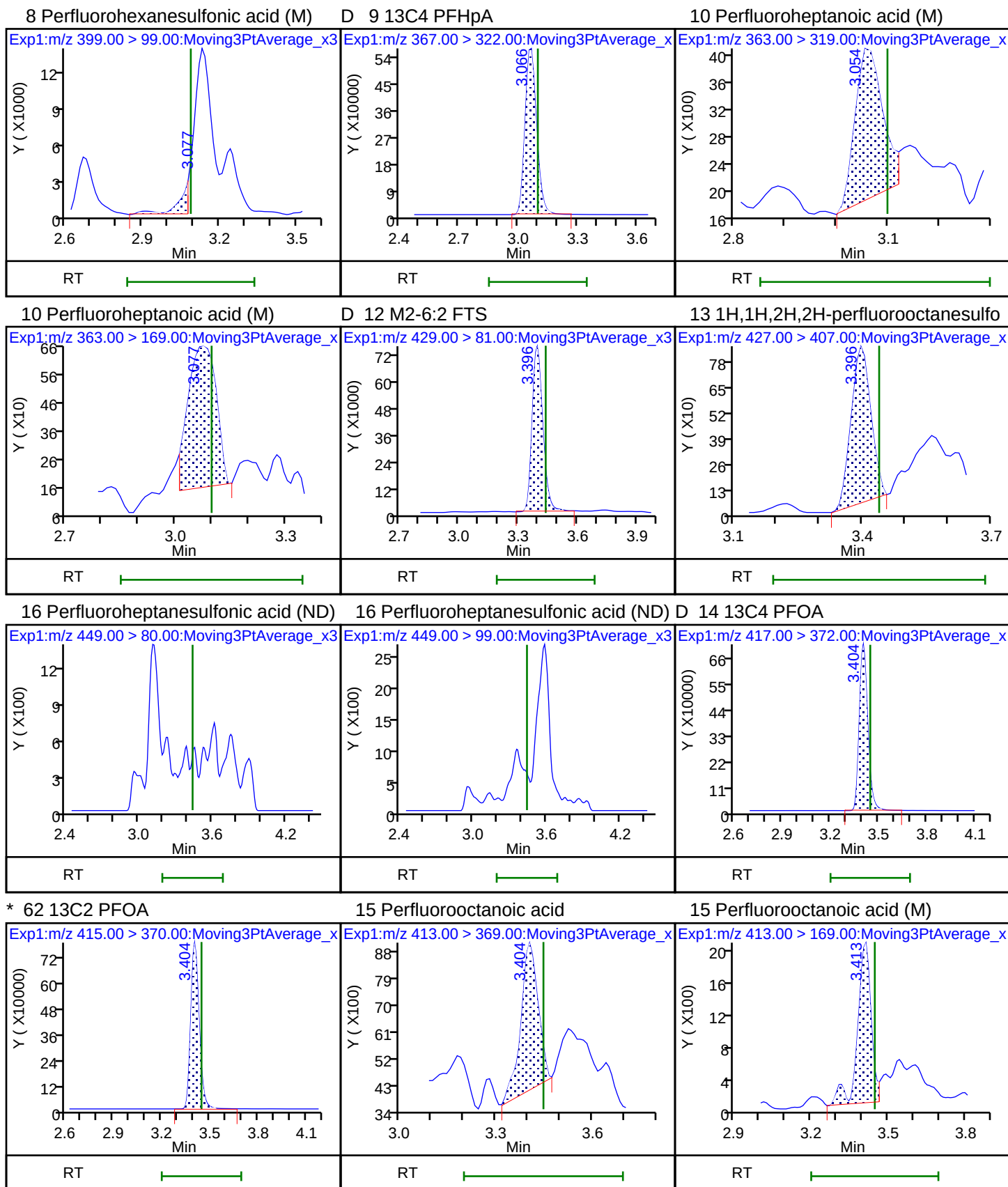


6 Perfluorohexanoic acid (M)

D 11 18O2 PFHxS

8 Perfluorohexanesulfonic acid (M)

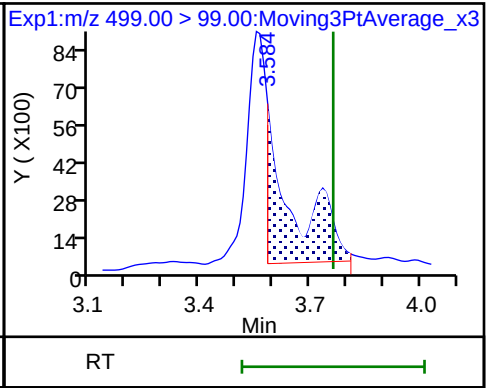
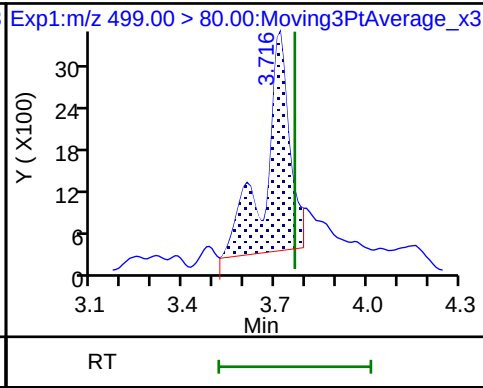
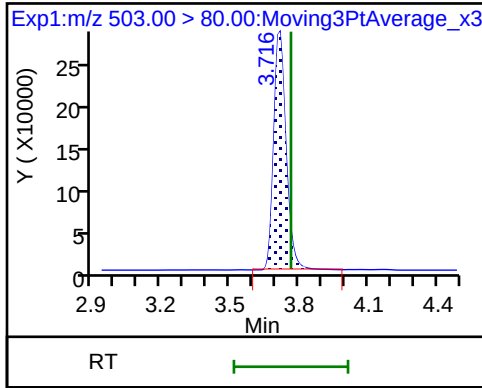




D 18 13C4 PFOS

17 Perfluorooctanesulfonic acid (M)

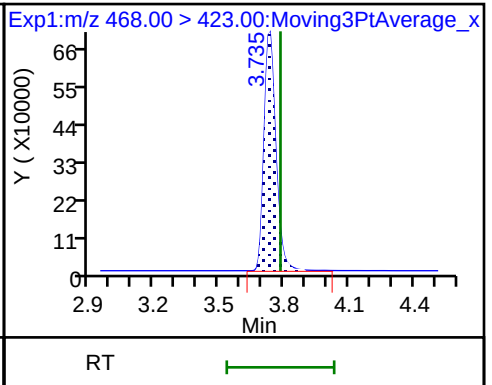
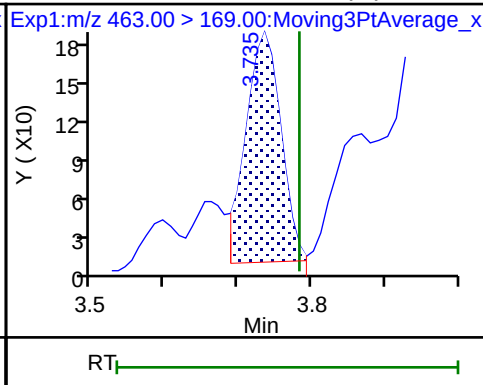
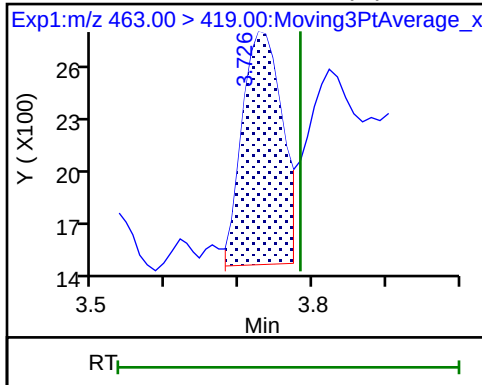
17 Perfluorooctanesulfonic acid (M)



20 Perfluorononanoic acid (M)

20 Perfluorononanoic acid (M)

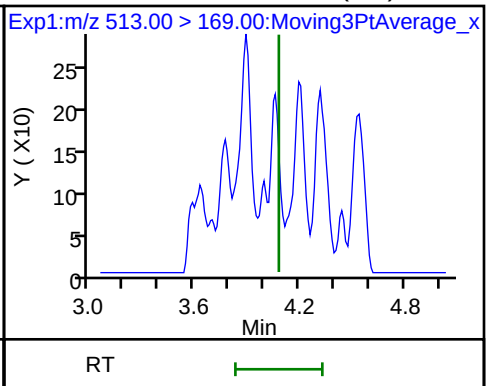
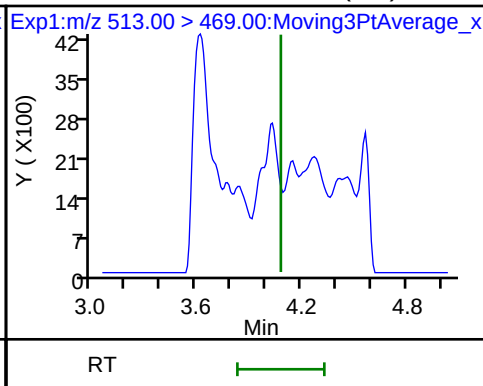
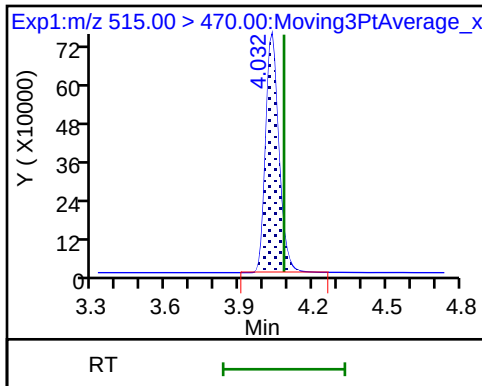
D 19 13C5 PFNA



D 23 13C2 PFDA

24 Perfluorodecanoic acid (ND)

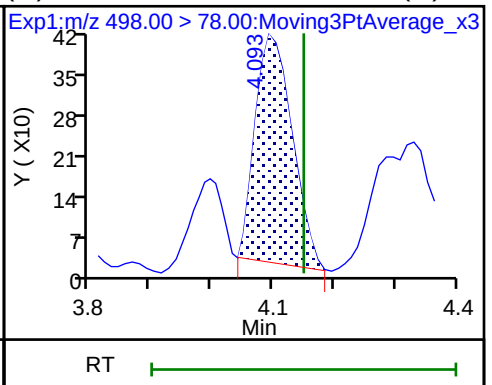
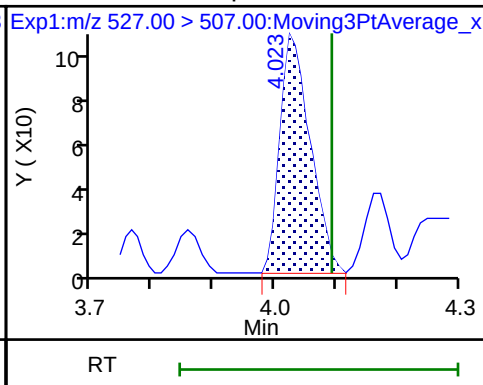
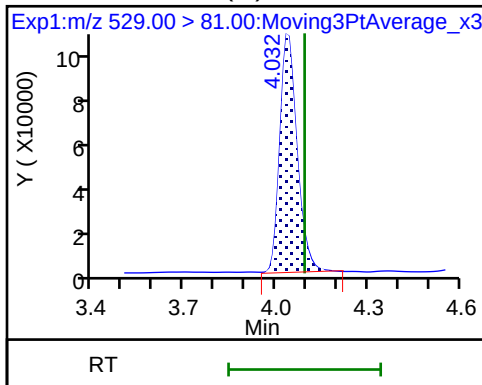
24 Perfluorodecanoic acid (ND)



D 26 M2-8:2 FTS (M)

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

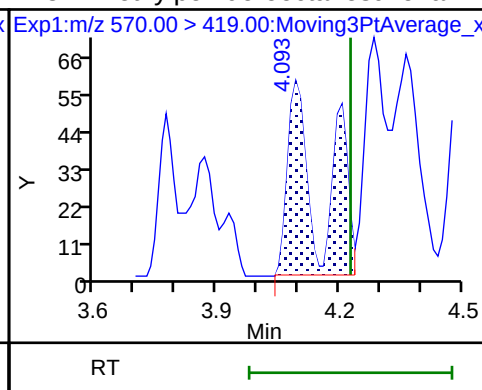
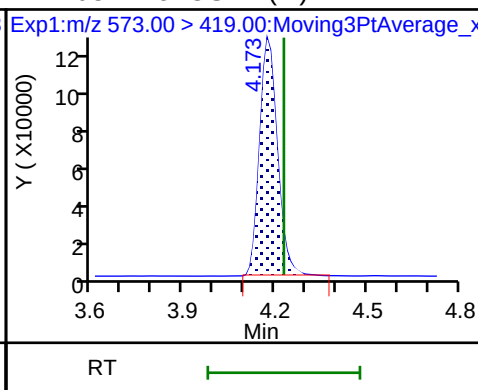
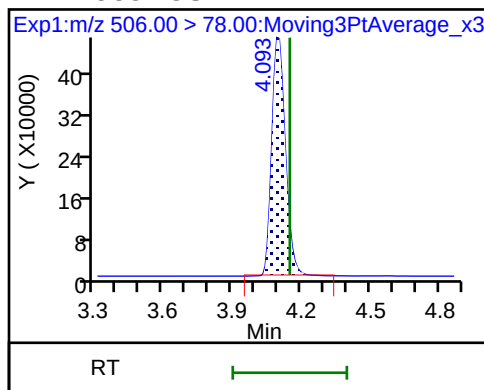
22 Perfluorooctanesulfonamide (M)



D 21 13C8 FOSA

D 27 d3-NMeFOSAA (M)

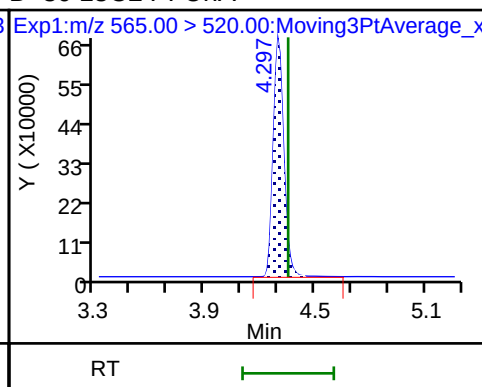
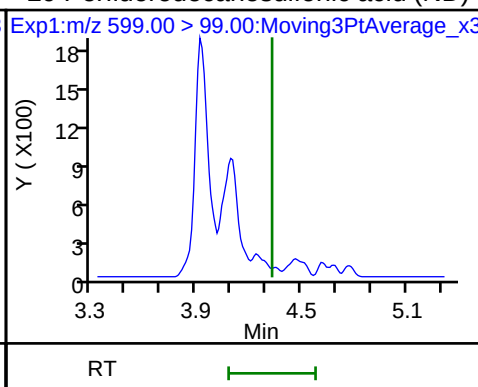
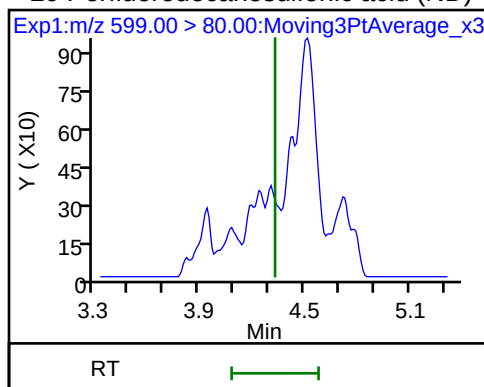
28 N-methylperfluorooctanesulfonami (M)



29 Perfluorodecanesulfonic acid (ND)

29 Perfluorodecanesulfonic acid (ND)

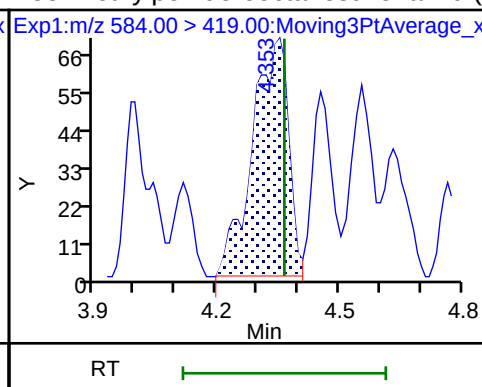
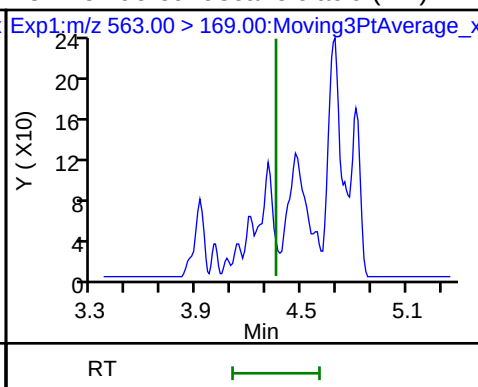
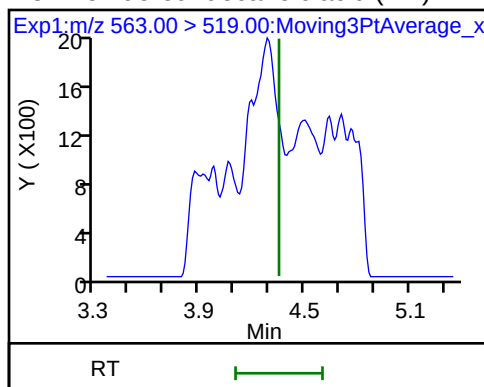
D 30 13C2 PFUnA



31 Perfluoroundecanoic acid (ND)

31 Perfluoroundecanoic acid (ND)

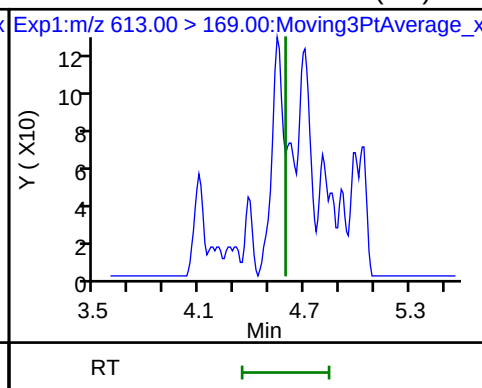
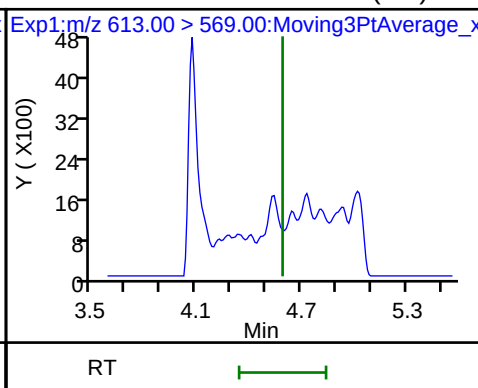
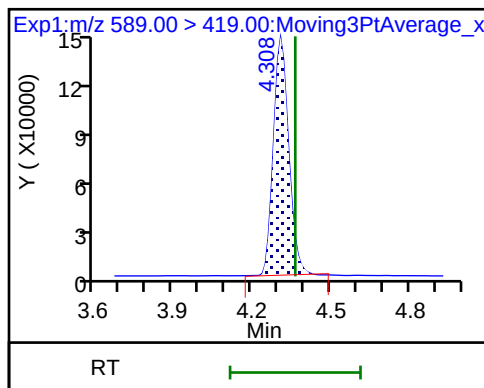
33 N-ethylperfluorooctanesulfonamid (M)



D 32 d5-NEtFOSAA

37 Perfluorododecanoic acid (ND)

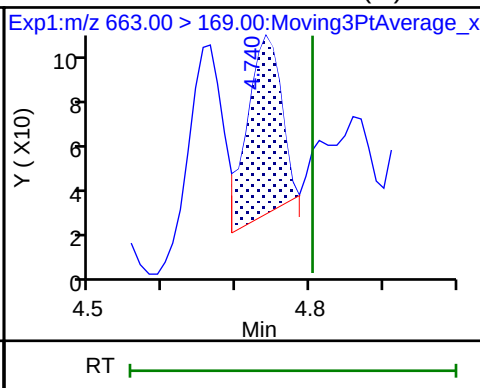
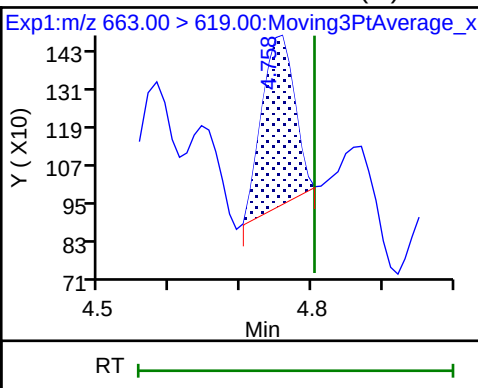
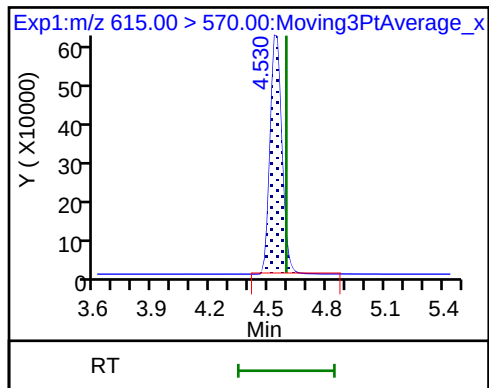
37 Perfluorododecanoic acid (ND)



D 36 13C2 PFDaA

41 Perfluorotridecanoic acid (M)

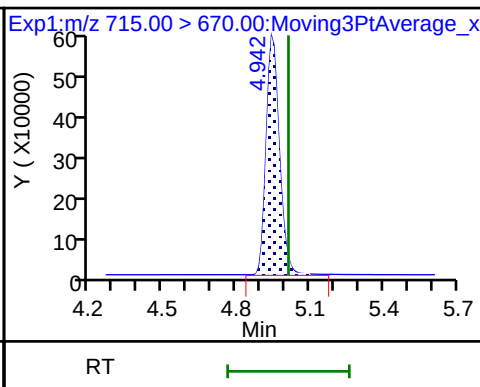
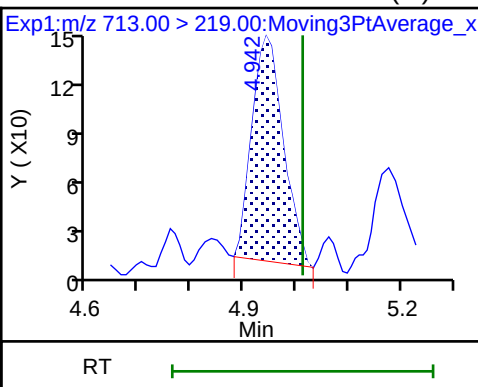
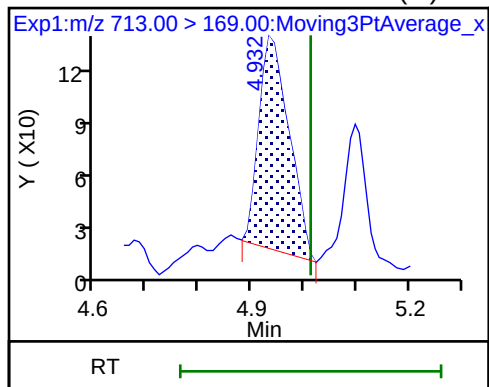
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

D 43 13C2 PFTeDA



Eurofins Burlington

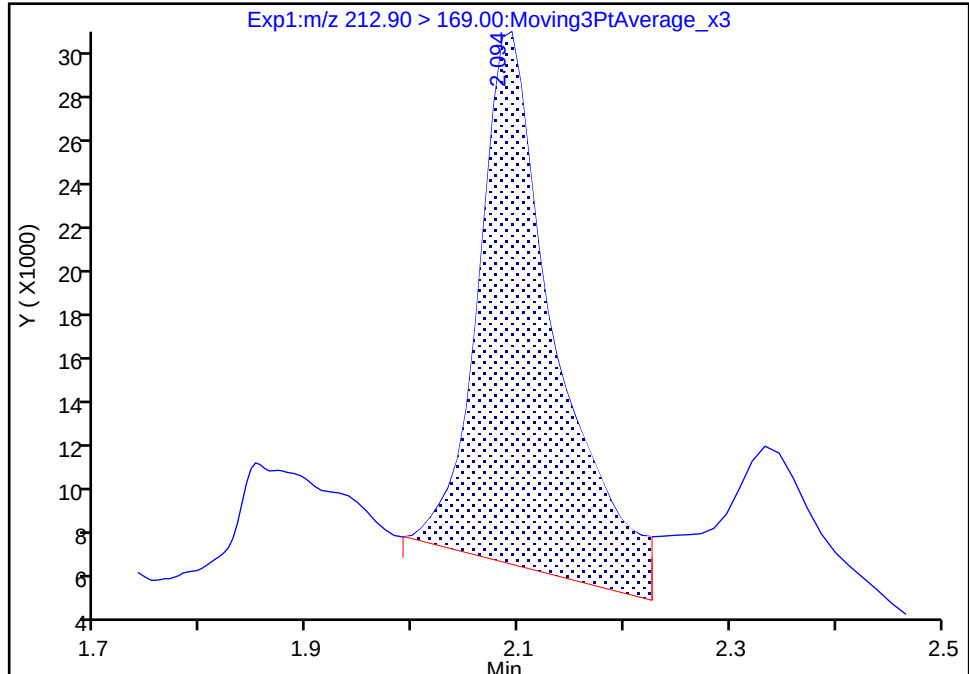
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Injection Date:	19-Dec-2022 20:39:11	Instrument ID:	LC812		
Lims ID:	460-271302-A-3-A	Lab Sample ID:	200-271302-3		
Client ID:	BCS-21-15_(13-13.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

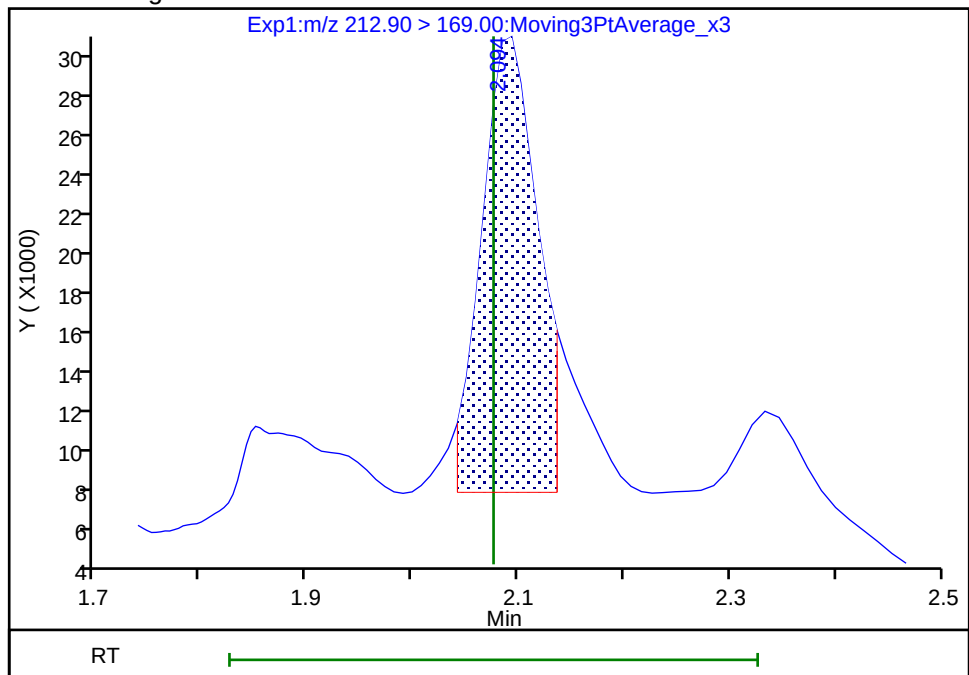
RT: 2.09
Area: 122009
Amount: 0.055512
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 82712
Amount: 0.037633
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:49:55

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

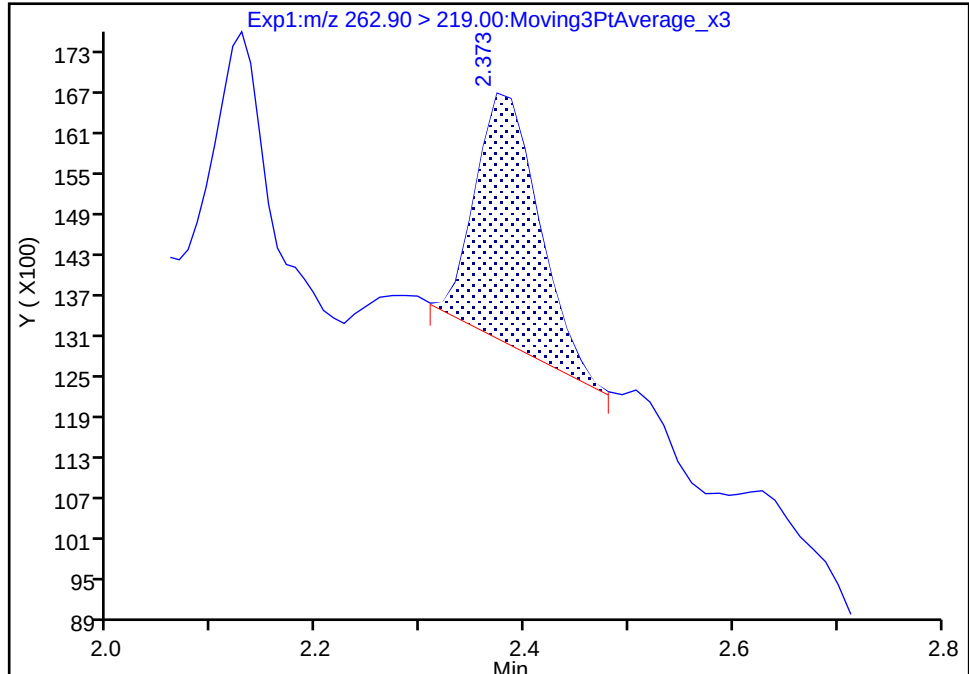
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B19.d
Injection Date: 19-Dec-2022 20:39:11 Instrument ID: LC812
Lims ID: 460-271302-A-3-A Lab Sample ID: 200-271302-3
Client ID: BCS-21-15_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

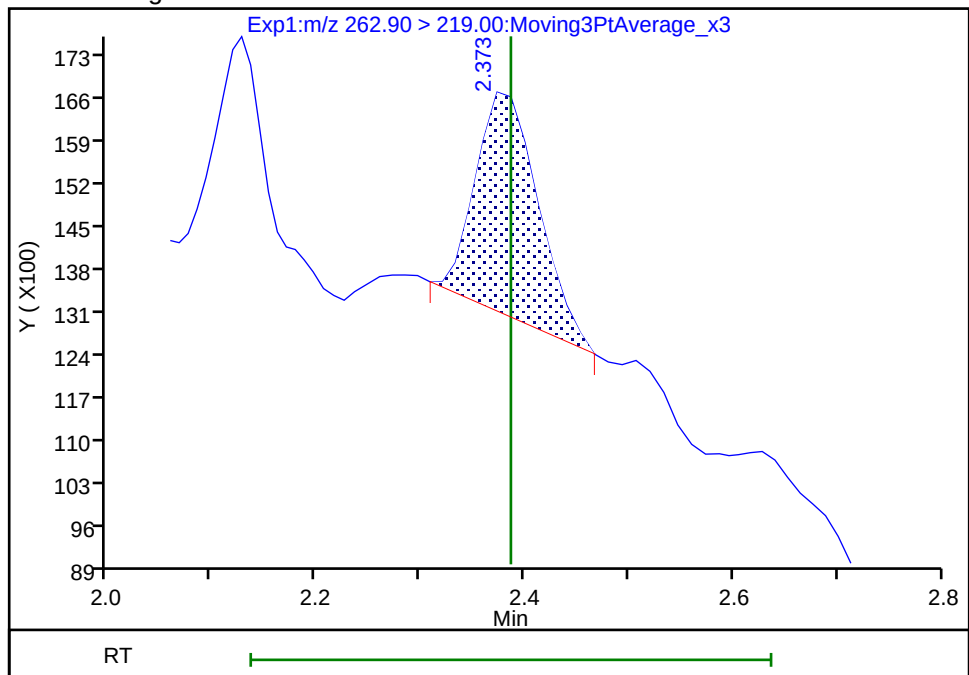
RT: 2.37
Area: 15645
Amount: 0.008897
Amount Units: ng/ml

Processing Integration Results



RT: 2.37
Area: 15274
Amount: 0.008686
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:50:01
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

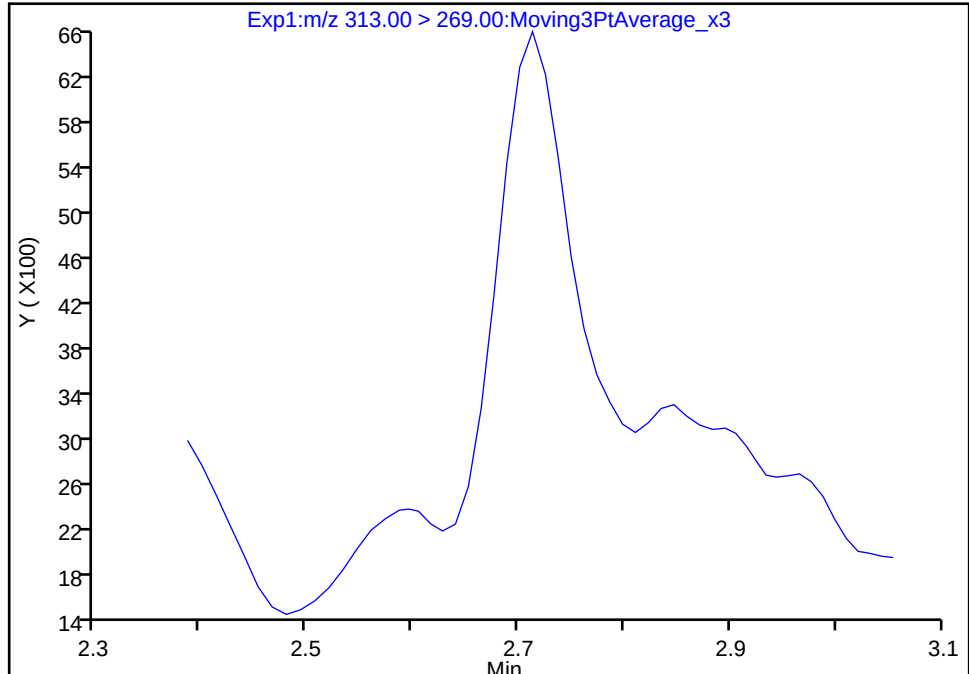
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Injection Date:	19-Dec-2022 20:39:11	Instrument ID:	LC812		
Lims ID:	460-271302-A-3-A	Lab Sample ID:	200-271302-3		
Client ID:	BCS-21-15_(13-13.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

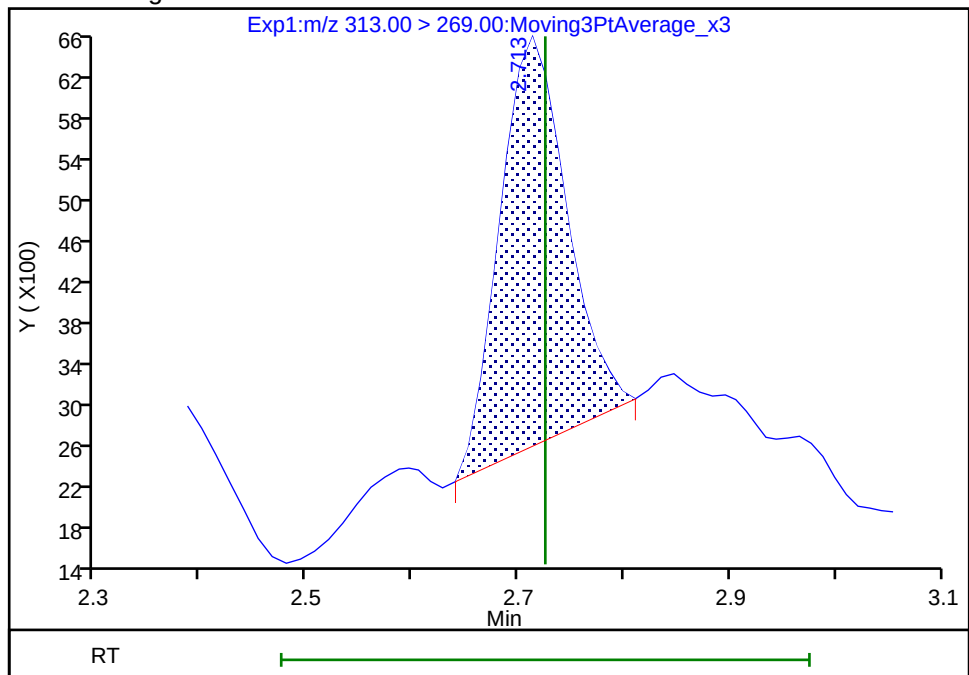
Signal: 1

Not Detected
Expected RT: 2.73

Processing Integration Results



Manual Integration Results



RT: 2.71
Area: 17678
Amount: 0.009027
Amount Units: ng/ml

Reviewer: khanphomeea, 20-Dec-2022 14:50:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

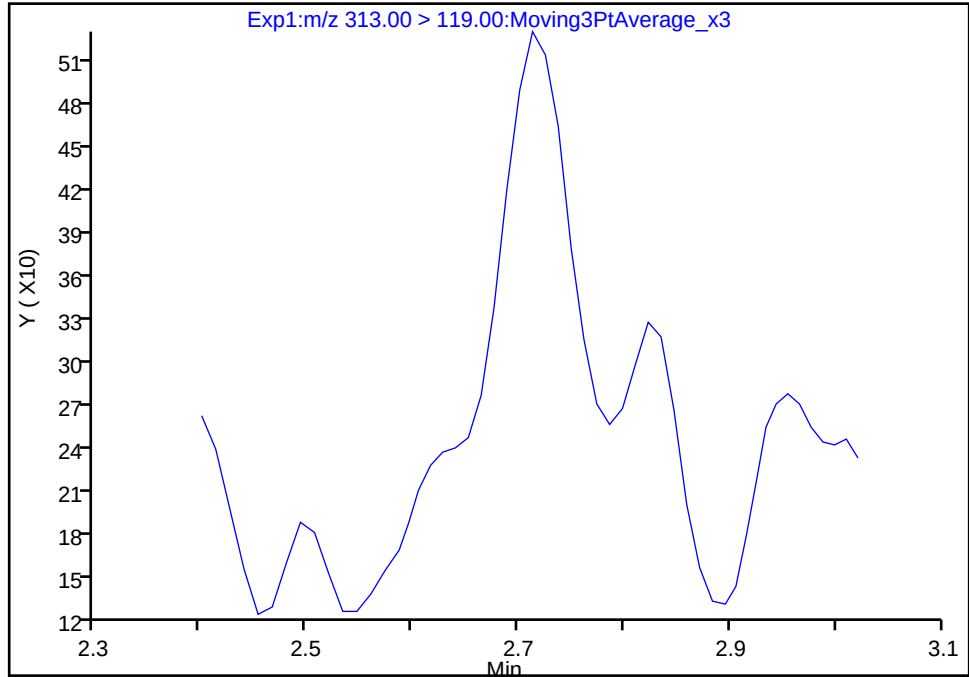
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Injection Date: 19-Dec-2022 20:39:11 Instrument ID: LC812
Lims ID: 460-271302-A-3-A Lab Sample ID: 200-271302-3
Client ID: BCS-21-15_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

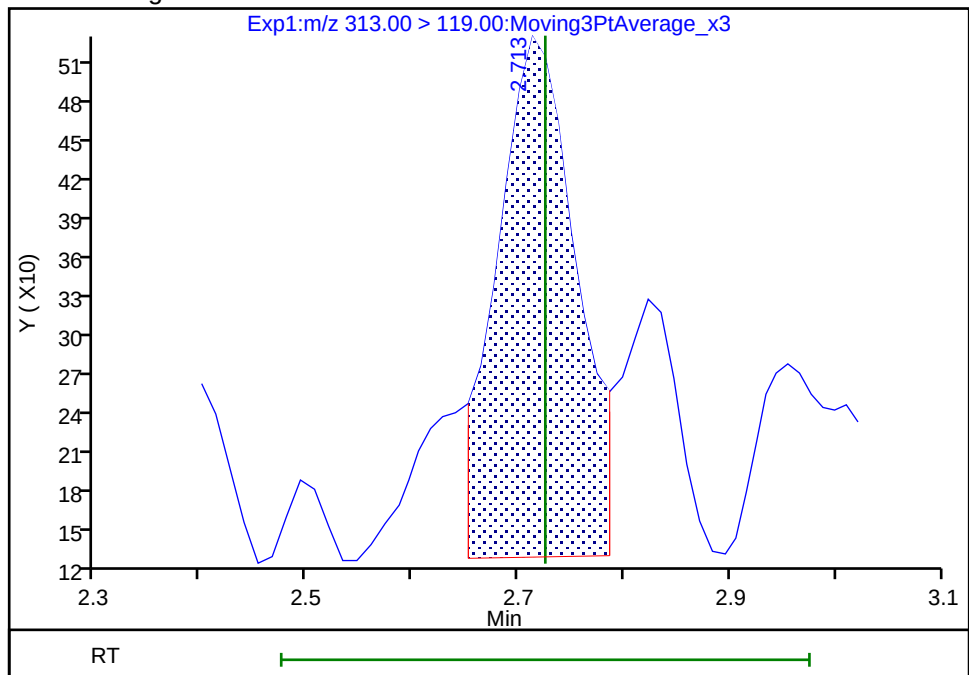
Not Detected
Expected RT: 2.73

Processing Integration Results



Manual Integration Results

RT: 2.71
Area: 2028
Amount: 0.009027
Amount Units: ng/ml



Reviewer: khanphomeea, 20-Dec-2022 14:50:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

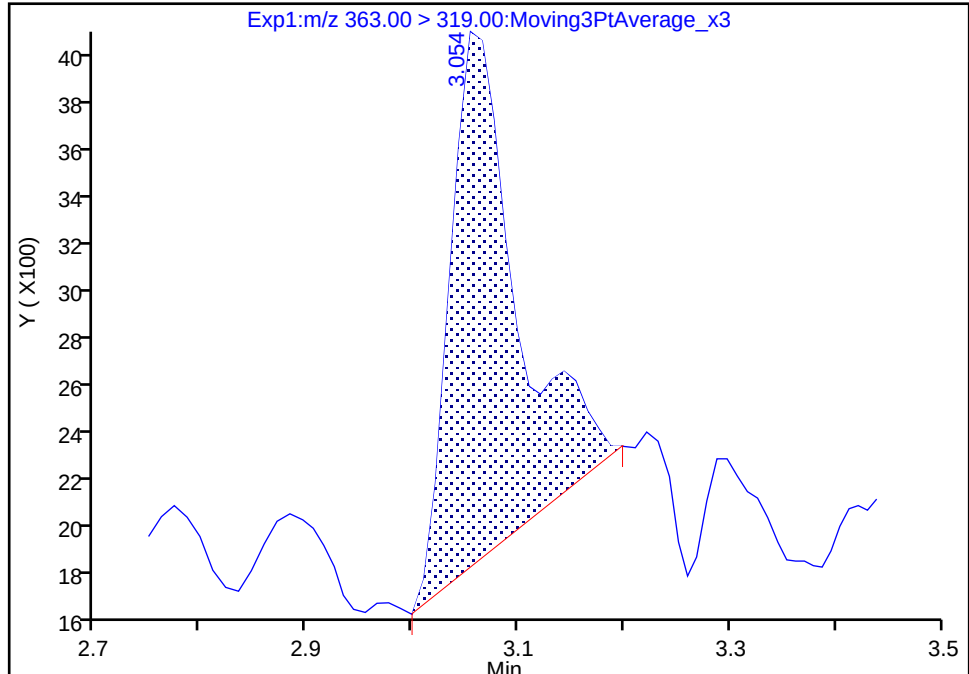
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B19.d
Injection Date: 19-Dec-2022 20:39:11 Instrument ID: LC812
Lims ID: 460-271302-A-3-A Lab Sample ID: 200-271302-3
Client ID: BCS-21-15_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

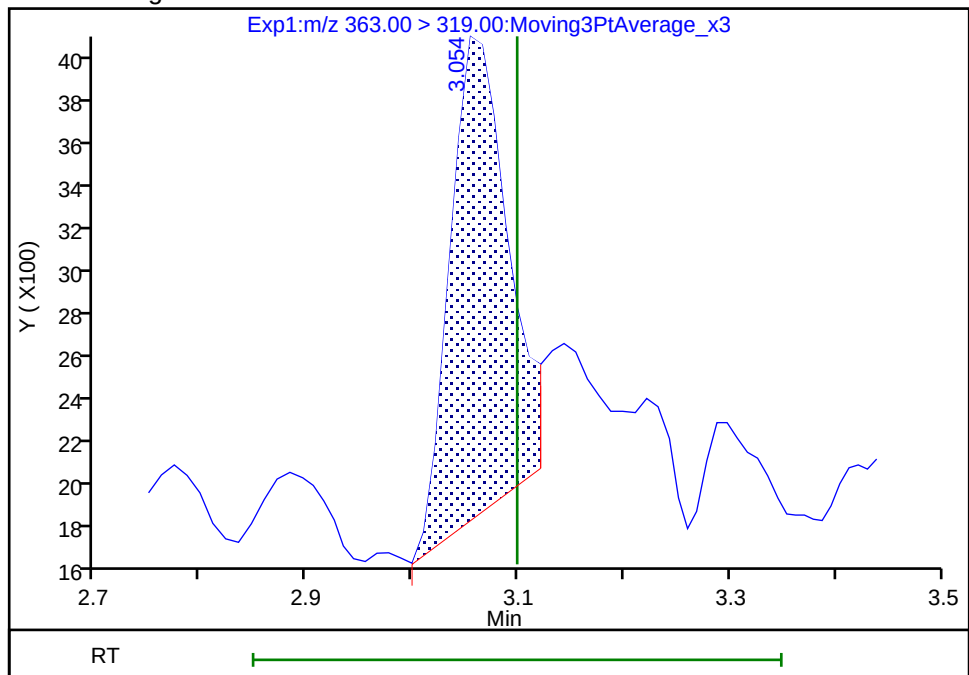
RT: 3.05
Area: 9735
Amount: 0.004824
Amount Units: ng/ml

Processing Integration Results



RT: 3.05
Area: 8294
Amount: 0.004110
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:51:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

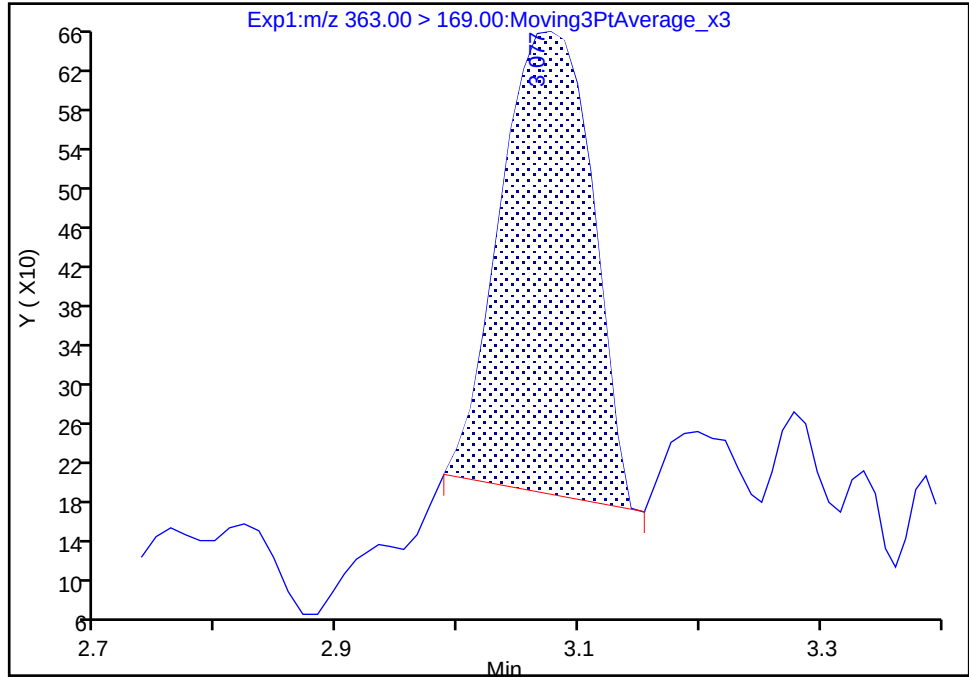
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B19.d
Injection Date: 19-Dec-2022 20:39:11 Instrument ID: LC812
Lims ID: 460-271302-A-3-A Lab Sample ID: 200-271302-3
Client ID: BCS-21-15_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

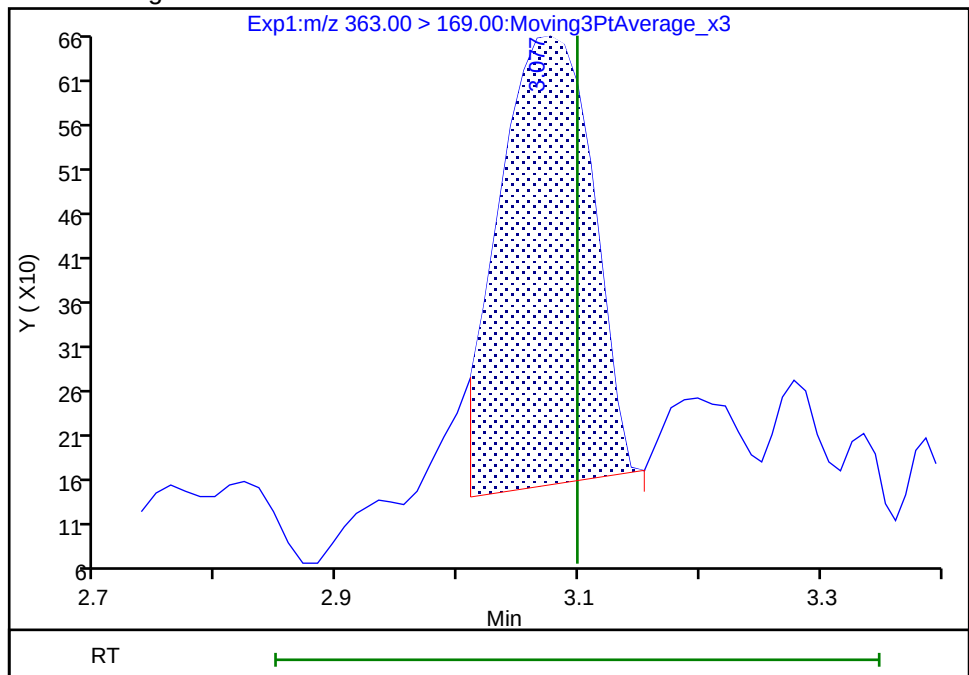
RT: 3.08
Area: 2488
Amount: 0.004824
Amount Units: ng/ml

Processing Integration Results



RT: 3.08
Area: 2707
Amount: 0.004110
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:51:28

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

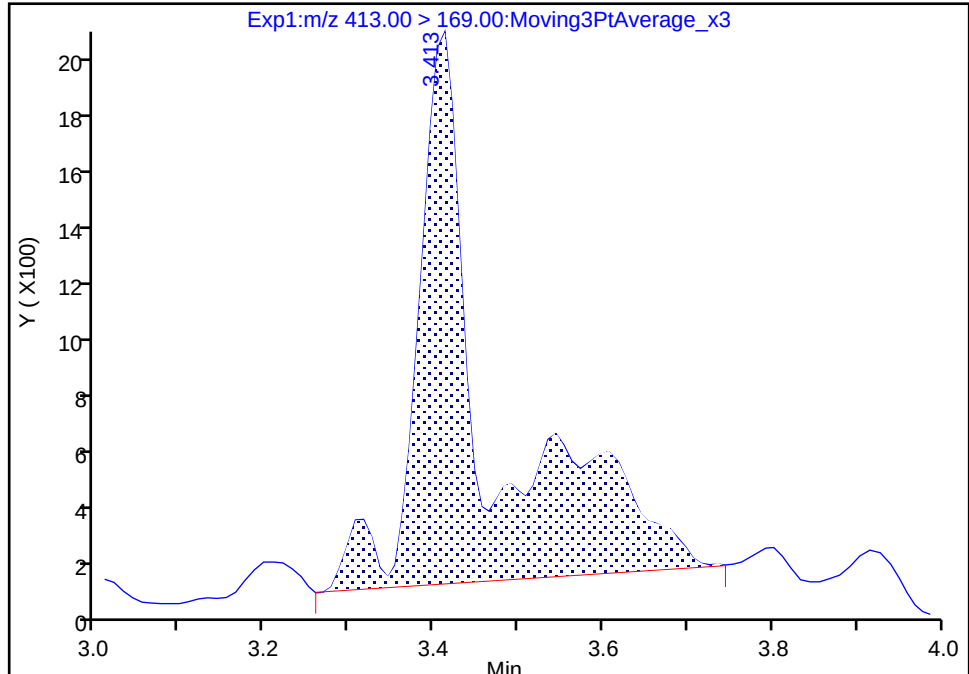
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B19.d
Injection Date: 19-Dec-2022 20:39:11 Instrument ID: LC812
Lims ID: 460-271302-A-3-A Lab Sample ID: 200-271302-3
Client ID: BCS-21-15_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

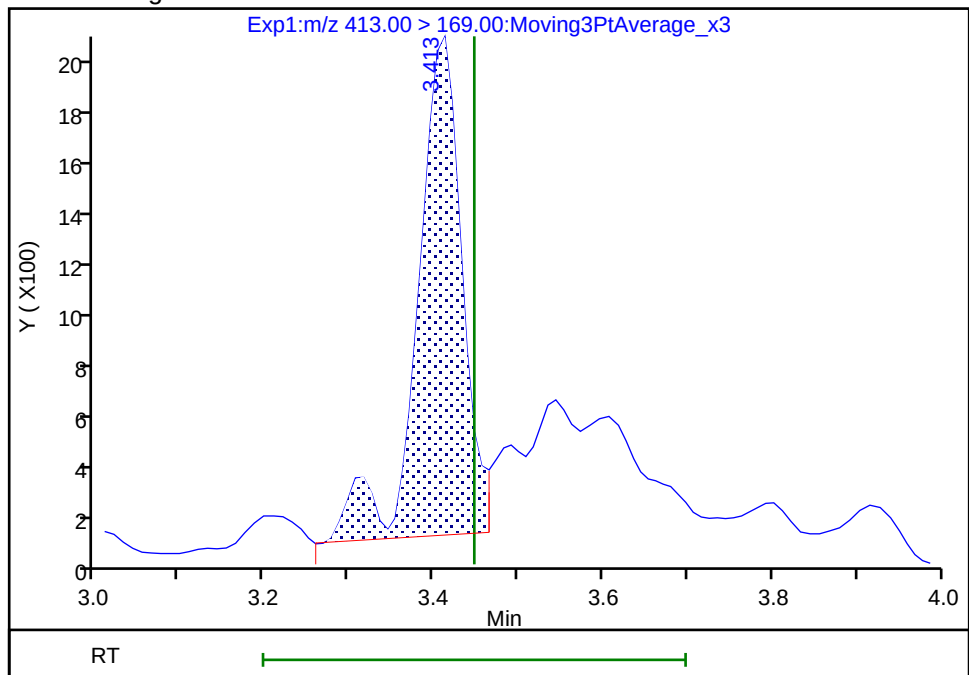
RT: 3.41
Area: 11373
Amount: 0.008112
Amount Units: ng/ml

Processing Integration Results



RT: 3.41
Area: 6990
Amount: 0.008112
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:51:48

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

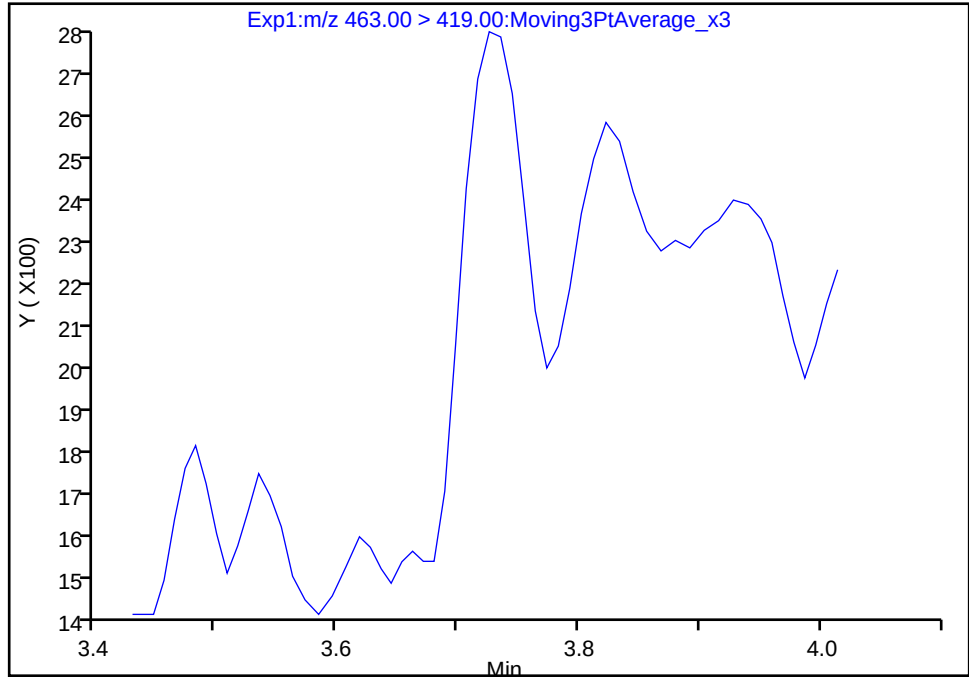
Data File:	\\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B19.d				
Injection Date:	19-Dec-2022 20:39:11	Instrument ID:	LC812		
Lims ID:	460-271302-A-3-A	Lab Sample ID:	200-271302-3		
Client ID:	BCS-21-15_(13-13.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

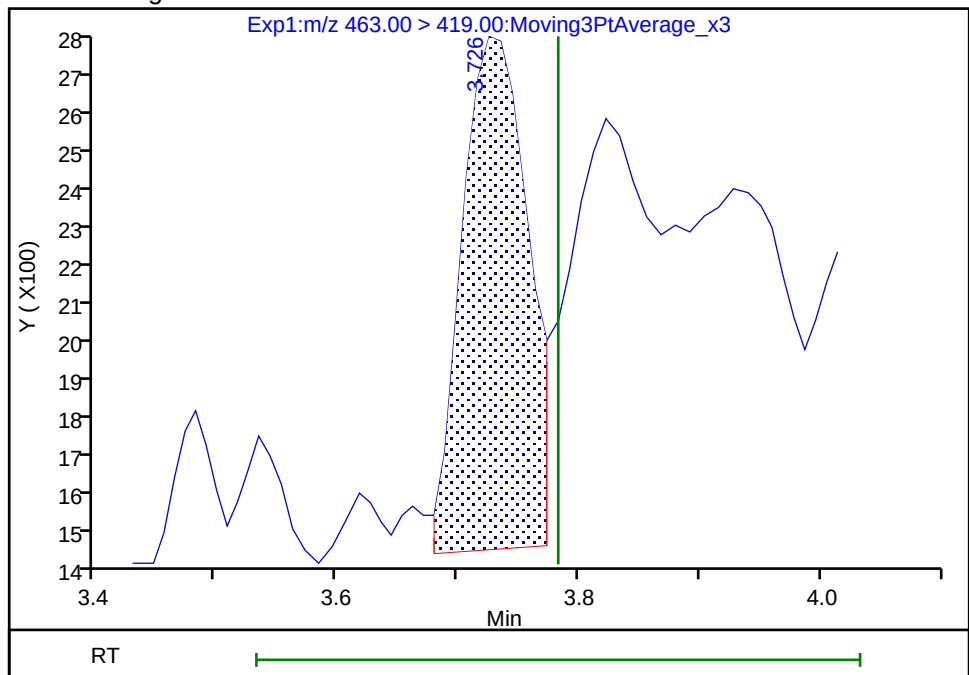
Signal: 1

Not Detected
Expected RT: 3.78

Processing Integration Results



Manual Integration Results



RT: 3.73
Area: 4853
Amount: 0.002192
Amount Units: ng/ml

Reviewer: Z1IP, 22-Dec-2022 09:24:23
Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins Burlington

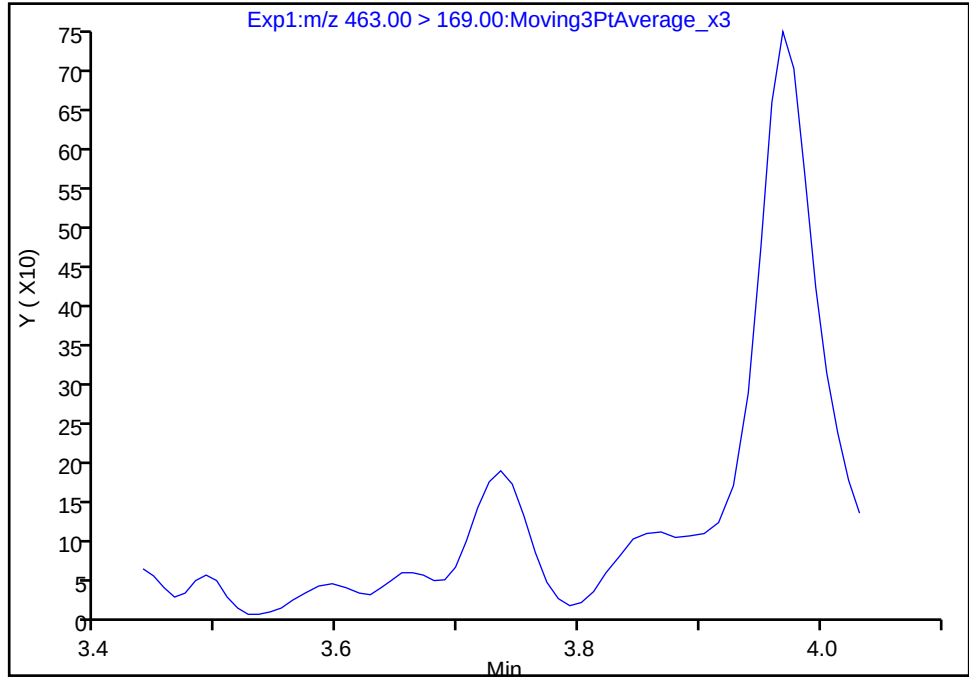
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B19.d
Injection Date: 19-Dec-2022 20:39:11 Instrument ID: LC812
Lims ID: 460-271302-A-3-A Lab Sample ID: 200-271302-3
Client ID: BCS-21-15_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

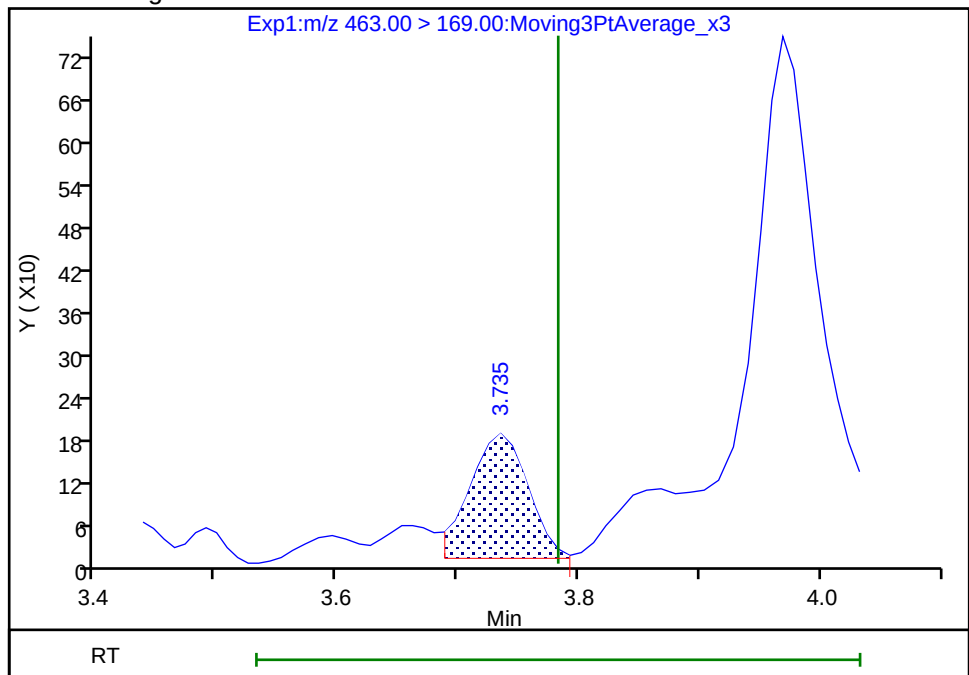
Not Detected
Expected RT: 3.78

Processing Integration Results



Manual Integration Results

RT: 3.74
Area: 584
Amount: 0.002192
Amount Units: ng/ml



Reviewer: Z1IP, 22-Dec-2022 09:24:28

Audit Action: Manually Integrated

Audit Reason: Missed Peak

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12/27/2022
2:52 PM

Eurofins Burlington

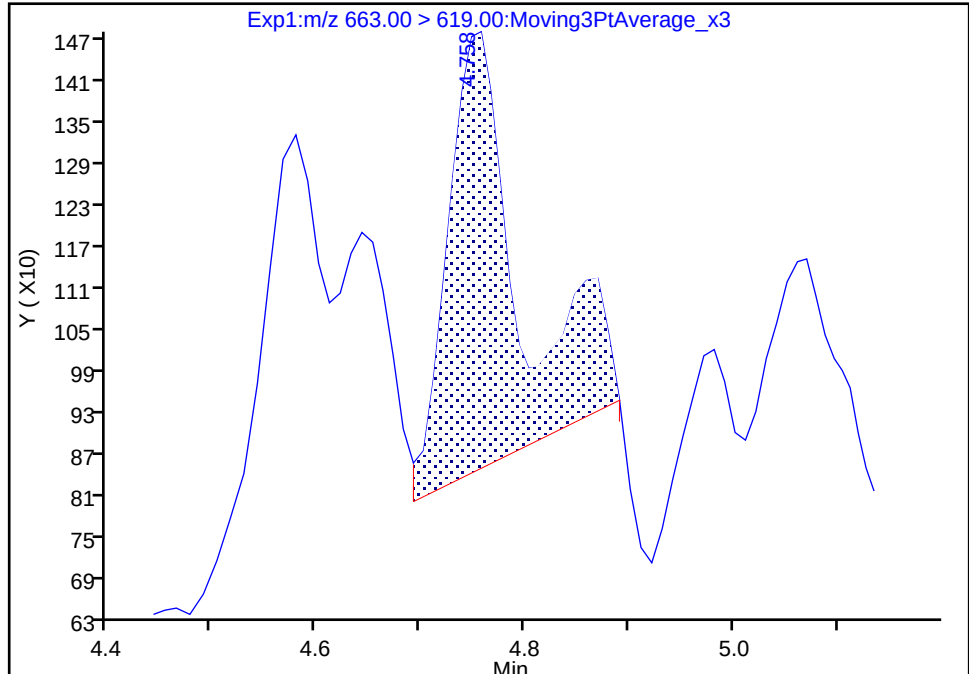
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B19.d
Injection Date: 19-Dec-2022 20:39:11 Instrument ID: LC812
Lims ID: 460-271302-A-3-A Lab Sample ID: 200-271302-3
Client ID: BCS-21-15_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

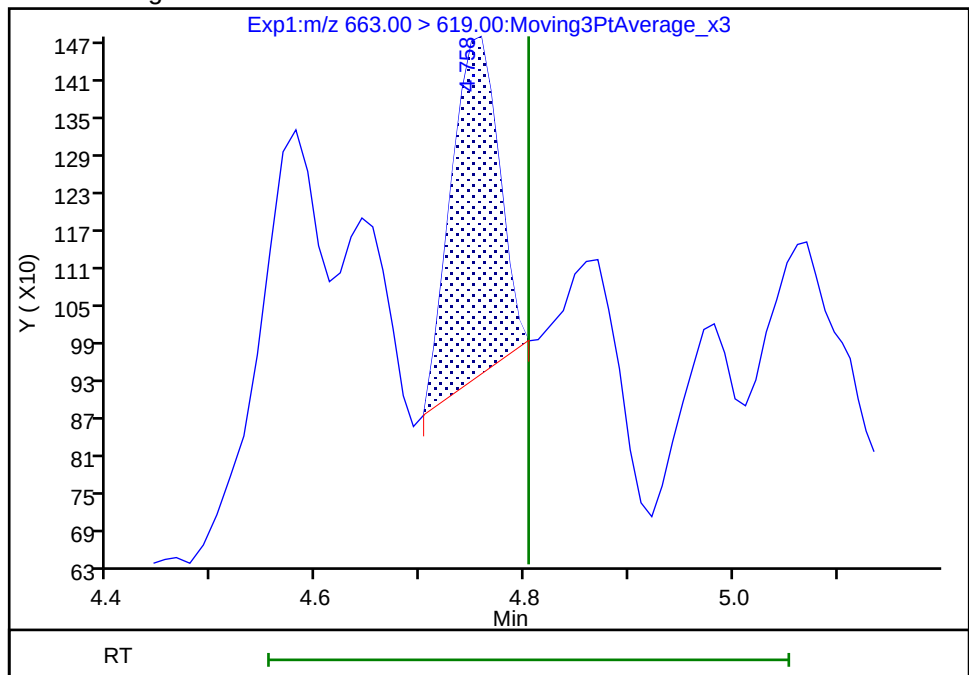
RT: 4.76
Area: 3009
Amount: 0.001420
Amount Units: ng/ml

Processing Integration Results



RT: 4.76
Area: 1727
Amount: 0.000815
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:54:15

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

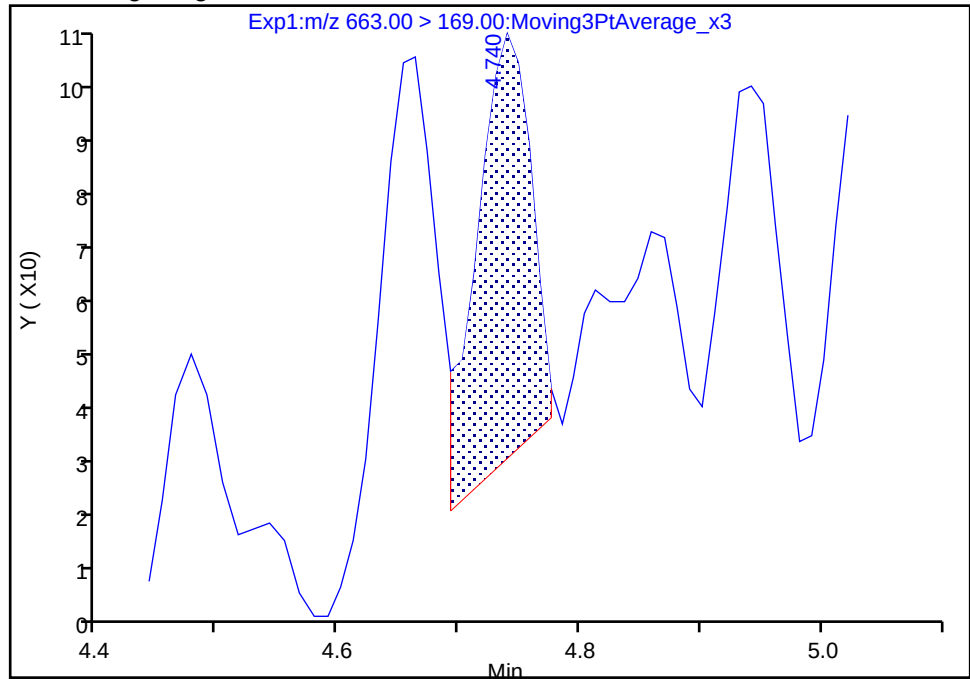
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B19.d
Injection Date: 19-Dec-2022 20:39:11 Instrument ID: LC812
Lims ID: 460-271302-A-3-A Lab Sample ID: 200-271302-3
Client ID: BCS-21-15_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

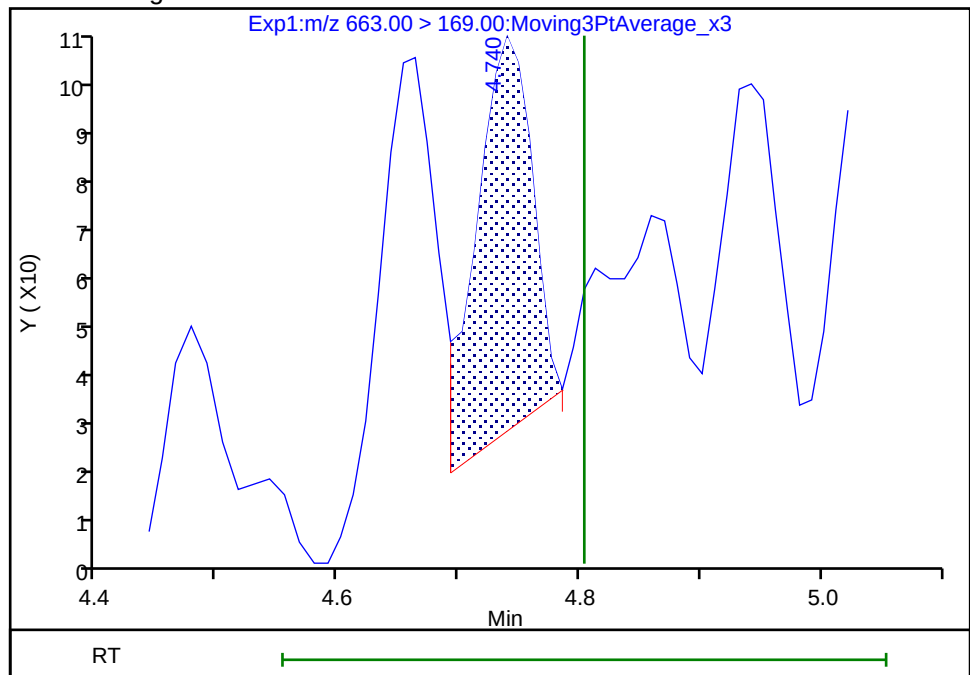
RT: 4.74
Area: 228
Amount: 0.001420
Amount Units: ng/ml

Processing Integration Results



RT: 4.74
Area: 239
Amount: 0.000815
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:54:18

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

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2:52 PM

Eurofins Burlington

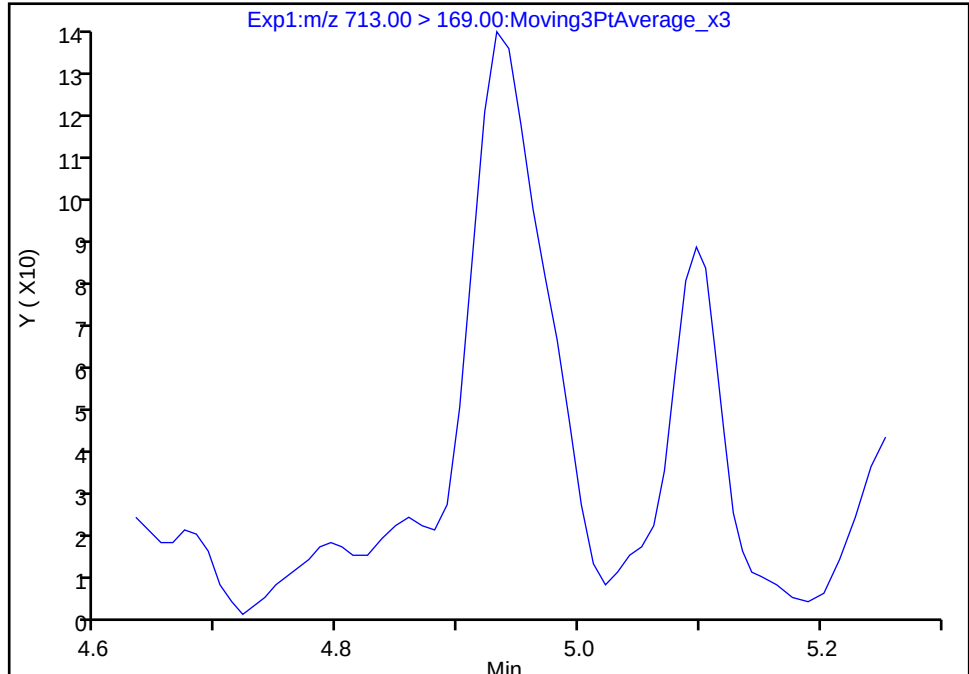
Data File:	\\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B19.d				
Injection Date:	19-Dec-2022 20:39:11	Instrument ID:	LC812		
Lims ID:	460-271302-A-3-A	Lab Sample ID:	200-271302-3		
Client ID:	BCS-21-15_(13-13.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

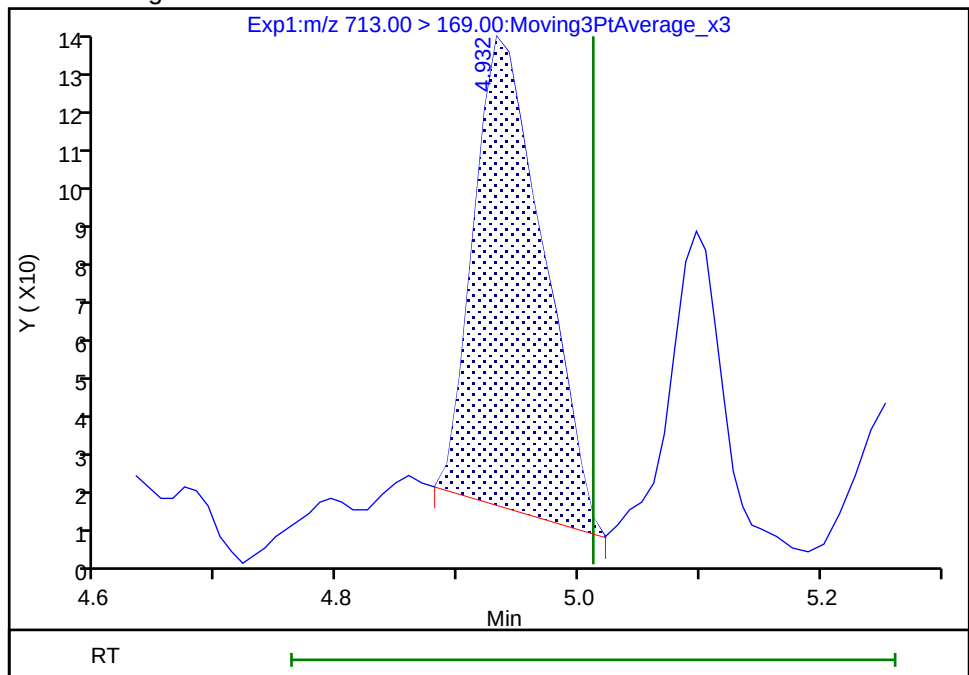
Signal: 1

Not Detected
Expected RT: 5.01

Processing Integration Results



Manual Integration Results



RT: 4.93
Area: 493
Amount: 0.002031
Amount Units: ng/ml

Reviewer: khanphomeea, 20-Dec-2022 14:54:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

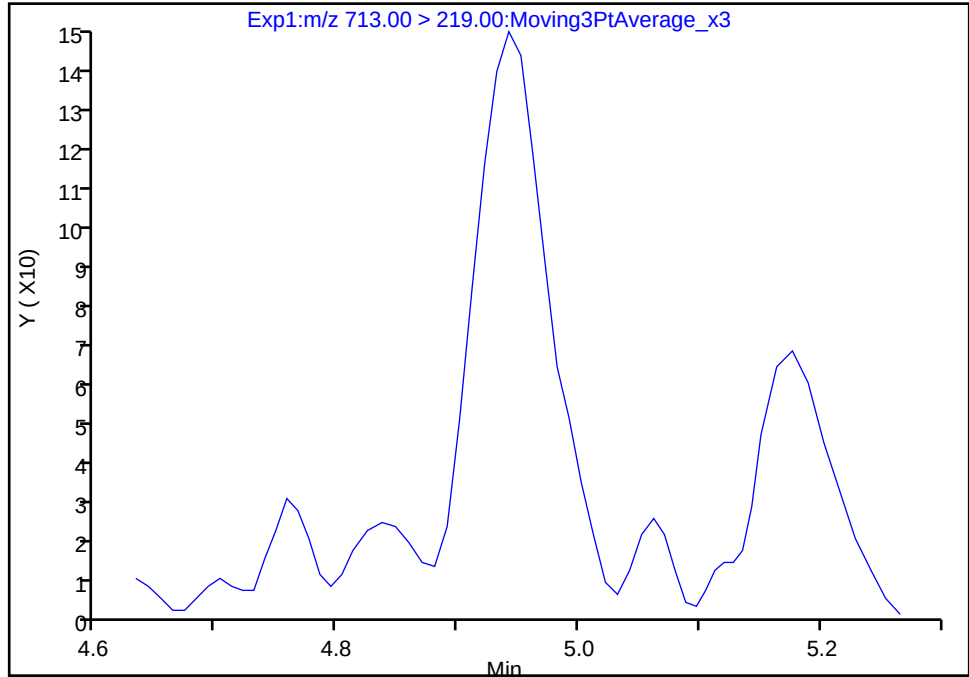
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B19.d
Injection Date: 19-Dec-2022 20:39:11 Instrument ID: LC812
Lims ID: 460-271302-A-3-A Lab Sample ID: 200-271302-3
Client ID: BCS-21-15_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

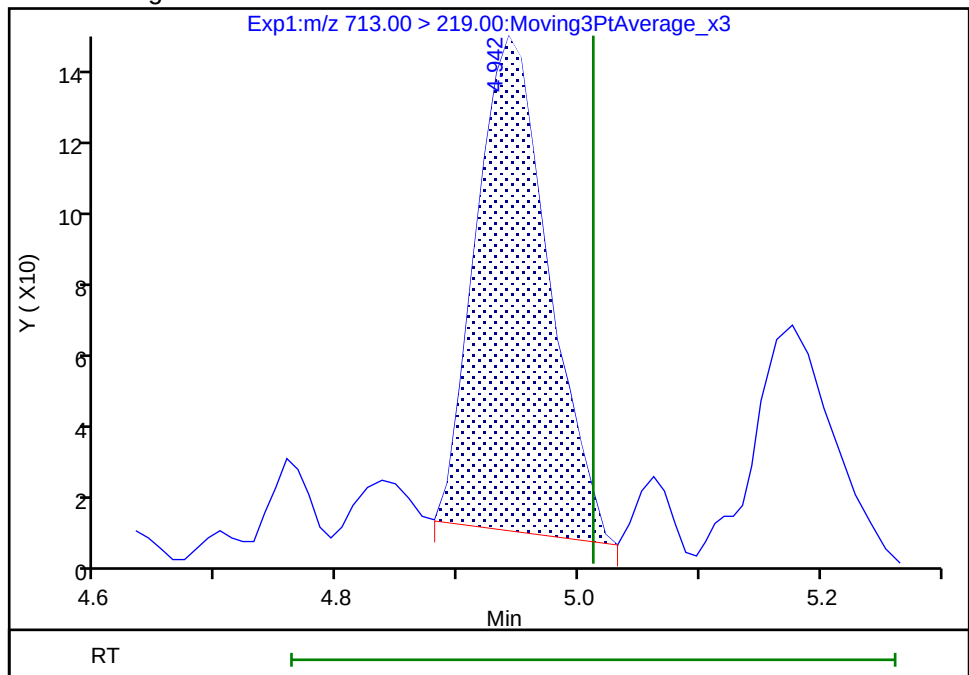
Not Detected
Expected RT: 5.01

Processing Integration Results



Manual Integration Results

RT: 4.94
Area: 570
Amount: 0.002031
Amount Units: ng/ml



Reviewer: khanphomeea, 20-Dec-2022 14:54:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

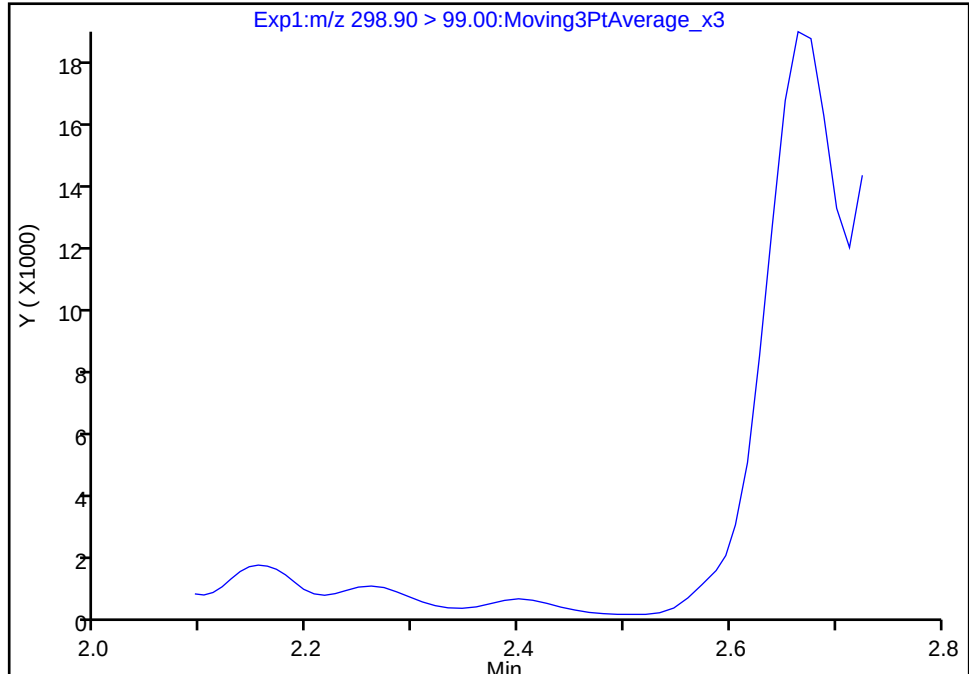
Data File:	\\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B19.d				
Injection Date:	19-Dec-2022 20:39:11	Instrument ID:	LC812		
Lims ID:	460-271302-A-3-A	Lab Sample ID:	200-271302-3		
Client ID:	BCS-21-15_(13-13.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

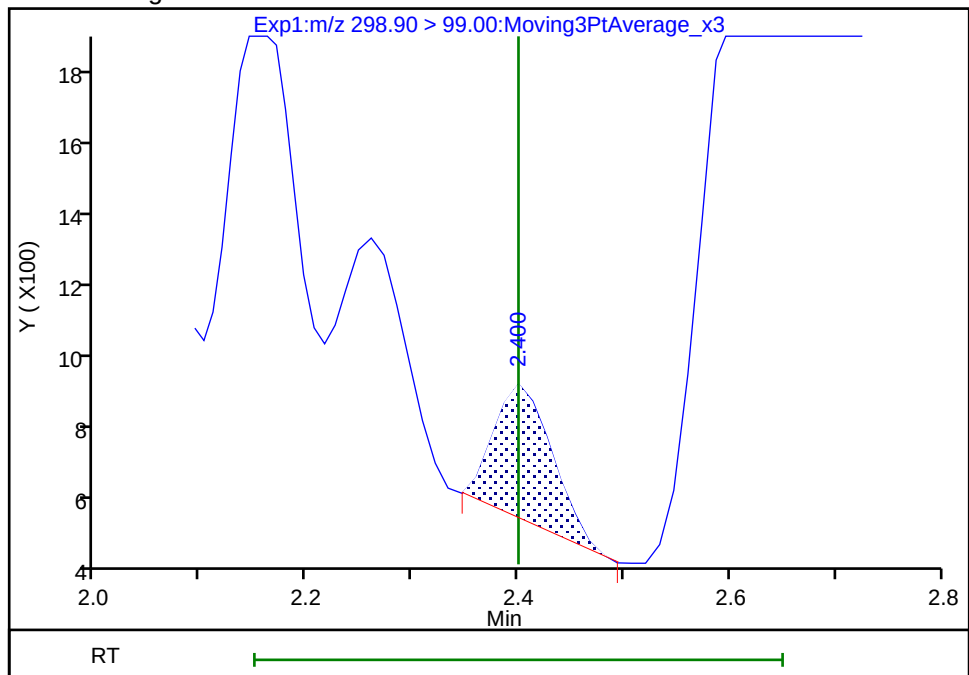
Signal: 2

Not Detected
Expected RT: 2.40

Processing Integration Results



Manual Integration Results



RT: 2.40
Area: 1392
Amount: 0.001593
Amount Units: ng/ml

Reviewer: khanphomeea, 20-Dec-2022 14:50:12

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

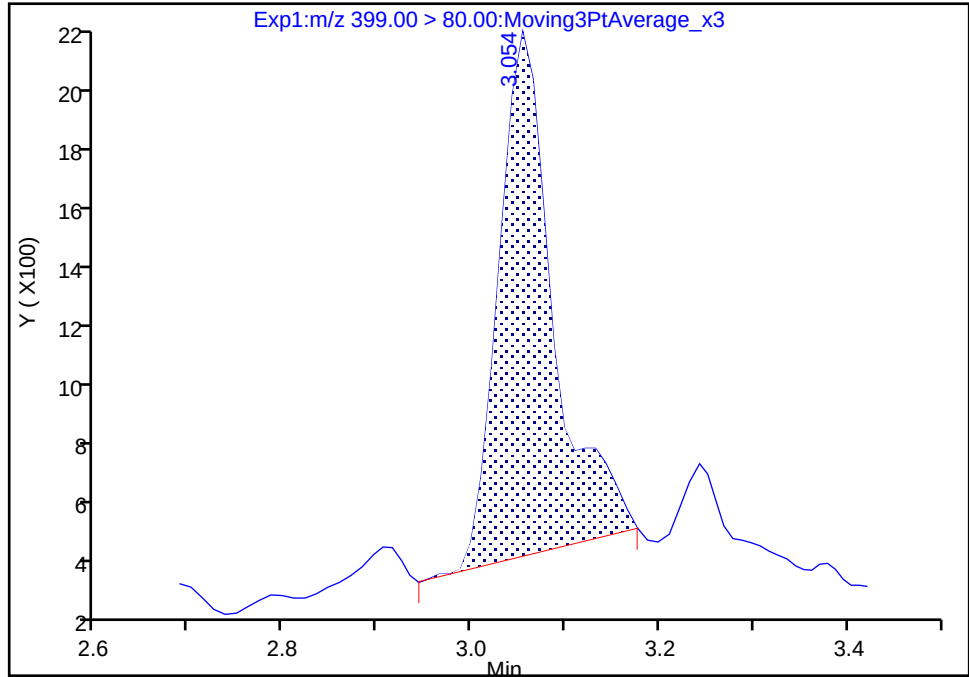
Data File:	\\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B19.d				
Injection Date:	19-Dec-2022 20:39:11	Instrument ID:	LC812		
Lims ID:	460-271302-A-3-A	Lab Sample ID:	200-271302-3		
Client ID:	BCS-21-15_(13-13.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

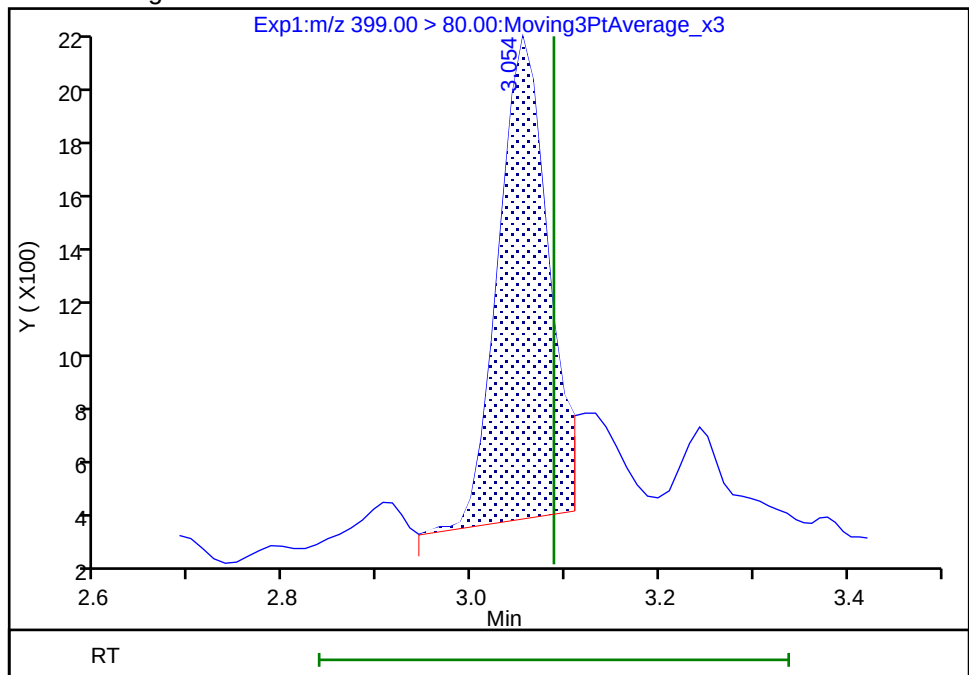
RT: 3.05
Area: 6792
Amount: 0.004633
Amount Units: ng/ml

Processing Integration Results



RT: 3.05
Area: 6212
Amount: 0.004238
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:50:45

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

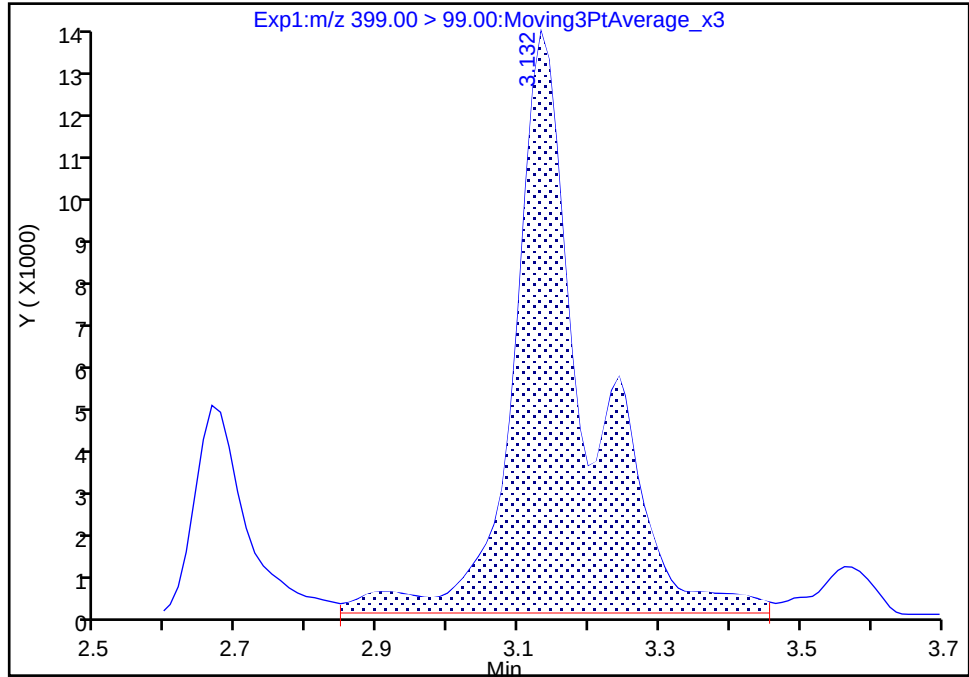
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B19.d
Injection Date: 19-Dec-2022 20:39:11 Instrument ID: LC812
Lims ID: 460-271302-A-3-A Lab Sample ID: 200-271302-3
Client ID: BCS-21-15_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

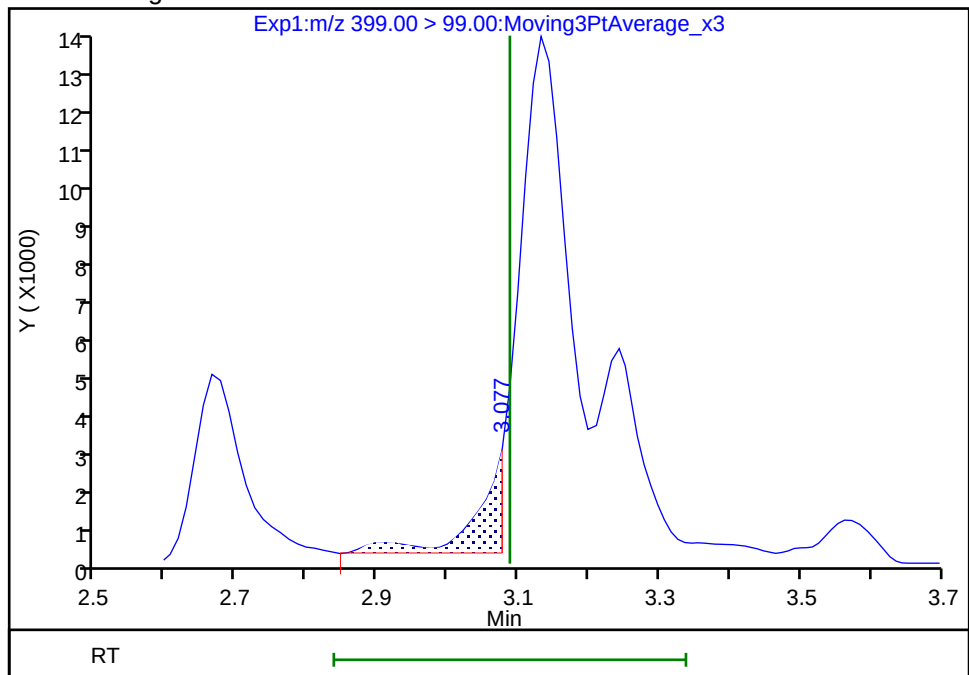
RT: 3.13
Area: 96193
Amount: 0.004633
Amount Units: ng/ml

Processing Integration Results



RT: 3.08
Area: 6496
Amount: 0.004238
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:51:10

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

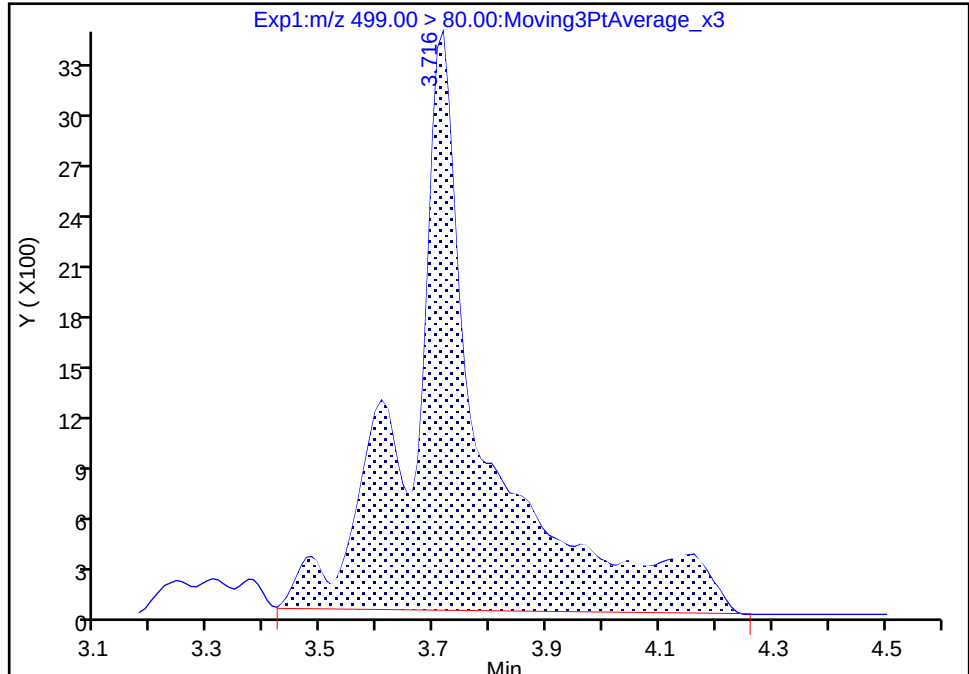
Data File:	\\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B19.d				
Injection Date:	19-Dec-2022 20:39:11	Instrument ID:	LC812		
Lims ID:	460-271302-A-3-A	Lab Sample ID:	200-271302-3		
Client ID:	BCS-21-15_(13-13.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

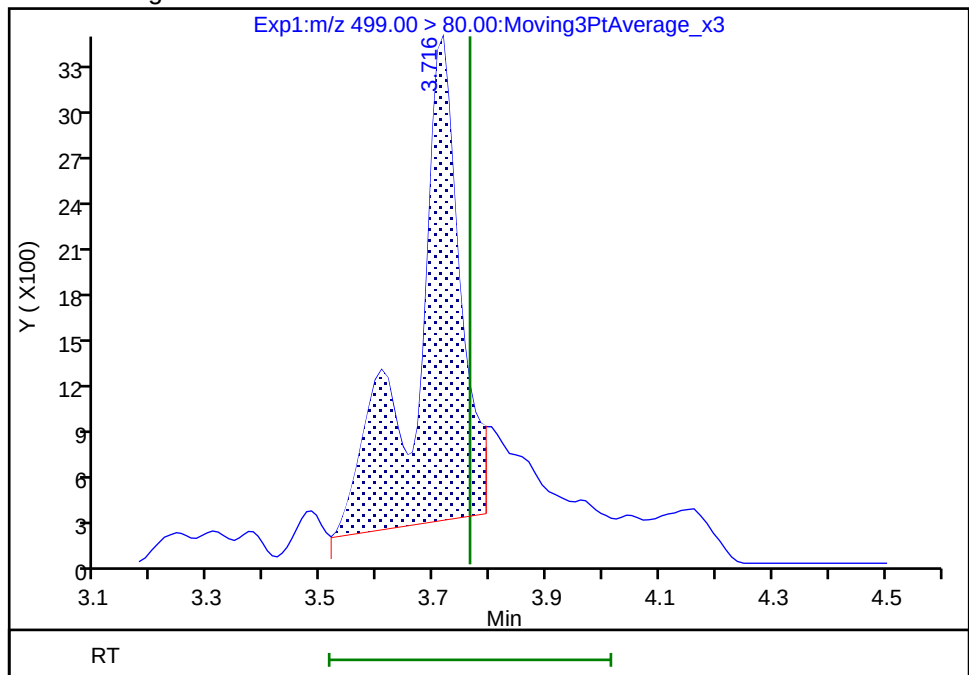
RT: 3.72
Area: 32903
Amount: 0.030887
Amount Units: ng/ml

Processing Integration Results



RT: 3.72
Area: 17727
Amount: 0.016641
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:52:09

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

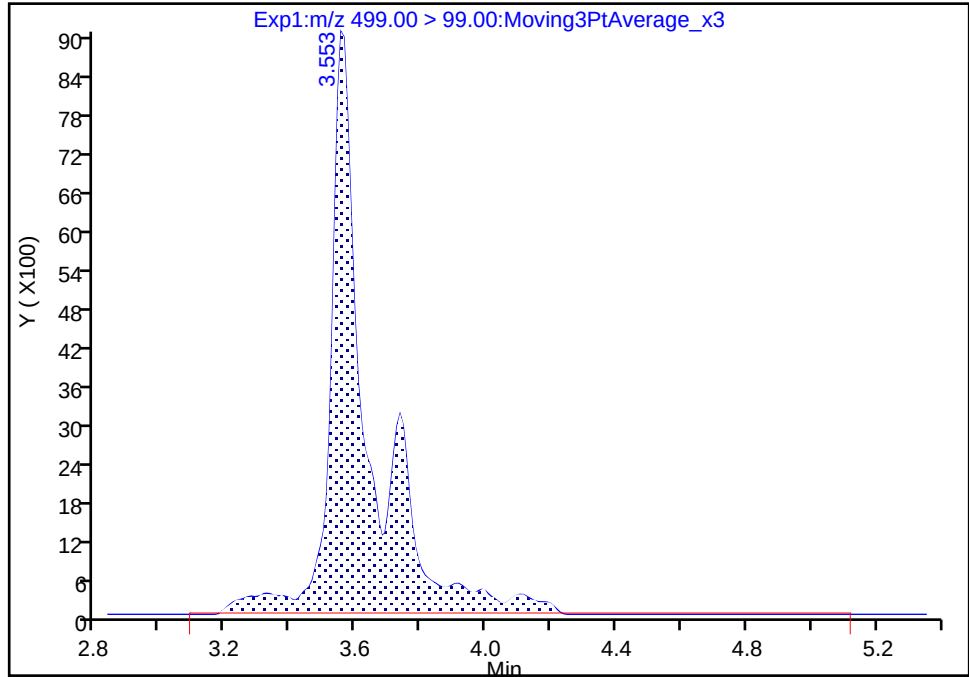
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B19.d
Injection Date: 19-Dec-2022 20:39:11 Instrument ID: LC812
Lims ID: 460-271302-A-3-A Lab Sample ID: 200-271302-3
Client ID: BCS-21-15_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

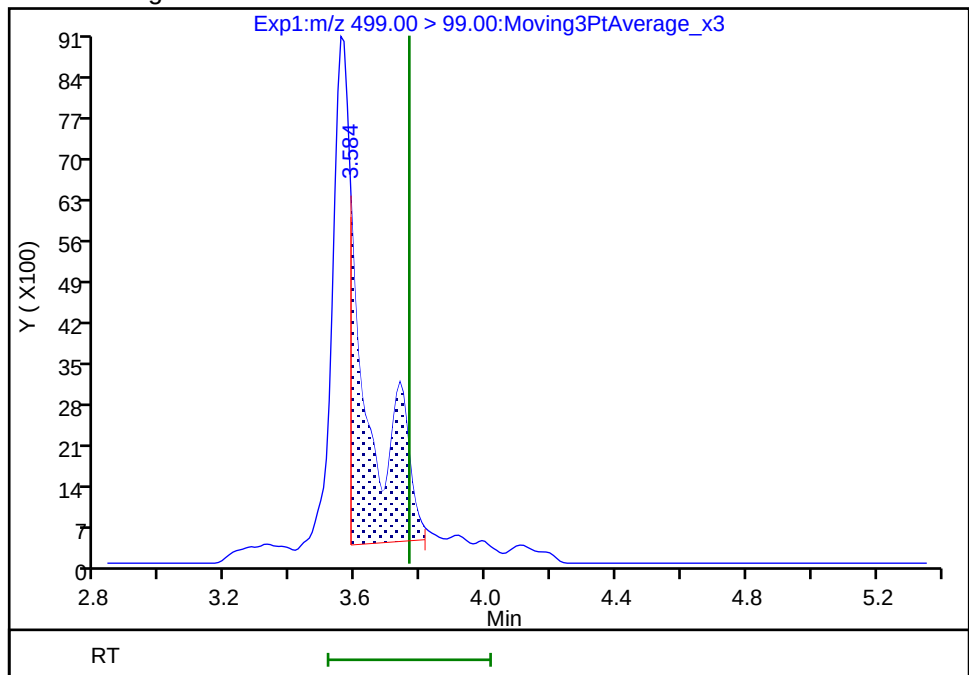
RT: 3.55
Area: 75488
Amount: 0.030887
Amount Units: ng/ml

Processing Integration Results



RT: 3.58
Area: 26126
Amount: 0.016641
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:52:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

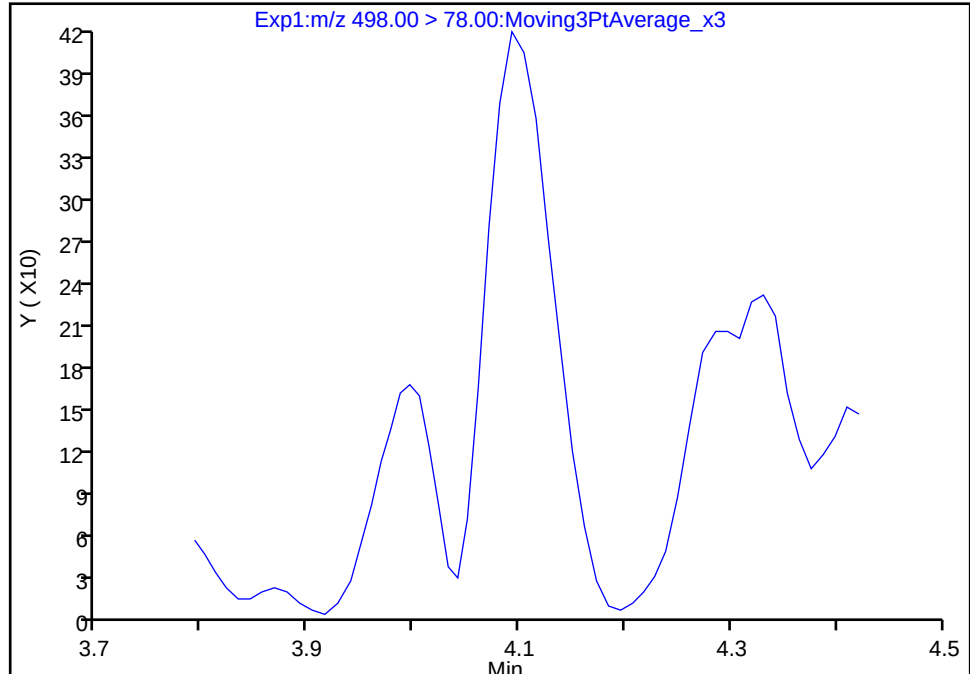
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B19.d
Injection Date: 19-Dec-2022 20:39:11 Instrument ID: LC812
Lims ID: 460-271302-A-3-A Lab Sample ID: 200-271302-3
Client ID: BCS-21-15_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

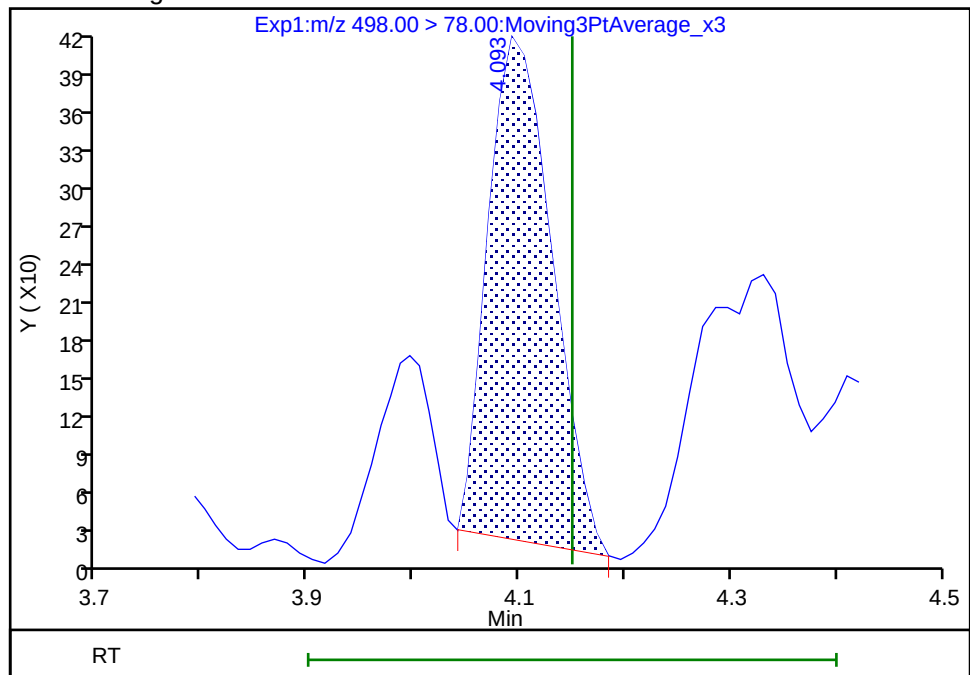
Not Detected
Expected RT: 4.15

Processing Integration Results



Manual Integration Results

RT: 4.09
Area: 1677
Amount: 0.001040
Amount Units: ng/ml



Reviewer: khanphomeea, 20-Dec-2022 14:52:51

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Data File:	\\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B19.d		
Injection Date:	19-Dec-2022 20:39:11	Instrument ID:	LC812
Lims ID:	460-271302-A-3-A	Lab Sample ID:	200-271302-3
Client ID:	BCS-21-15_(13-13.5)P		
Operator ID:	lc812tech	ALS Bottle#:	19 Workli
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1

ALS Bottle#:	19	Worklist Smp#:	19
Dil. Factor:	1.0000		
Limit Group:	LC_PFC_ICAL		
Detector	EXP1		

Signal: 1

Not Detected
Expected RT: 4.23

Exp1:m/z 570.00 > 419.00:Moving3PtAverage_x3

Y

Min

Retention Time (Min)	Y
3.85	30
3.95	35
4.05	55
4.15	45
4.25	65
4.35	60
4.45	10
4.55	45

RT: 4.09
Area: 326
Amount: -0.010675
Amount Units: ng/ml

Reviewer: khanphomeea, 20-Dec-2022 14:53:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B19.d

Injection Date: 19-Dec-2022 20:39:11

Instrument ID: LC812

Lims ID: 460-271302-A-3-A

Lab Sample ID: 200-271302-3

Client ID: BCS-21-15_(13-13.5)P

Operator ID: lc812tech

ALS Bottle#: 19

Worklist Smp#: 19

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

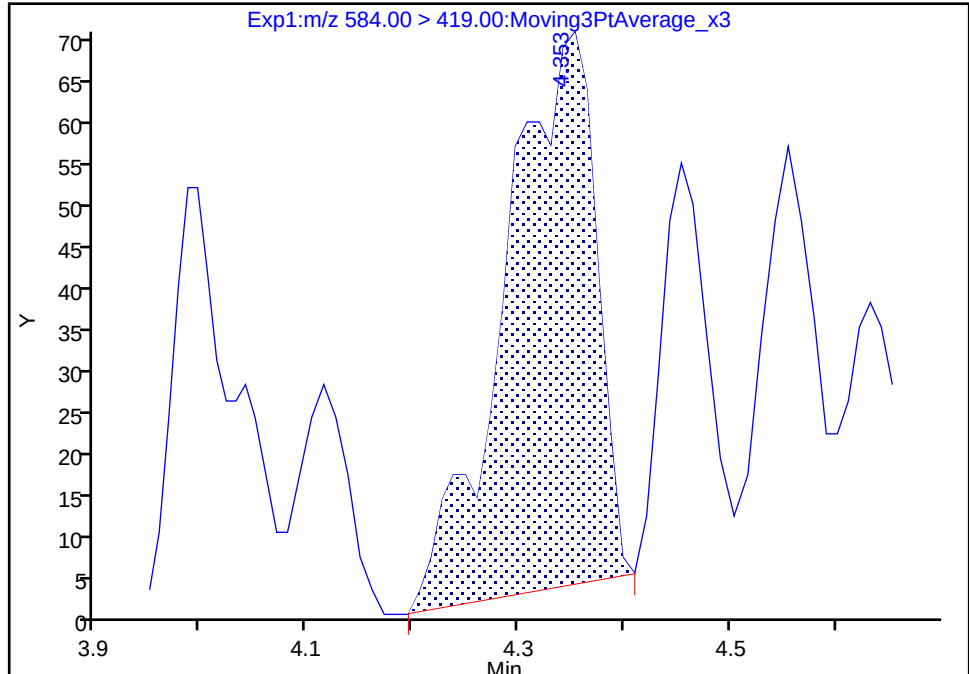
Detector: EXP1

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

Signal: 1

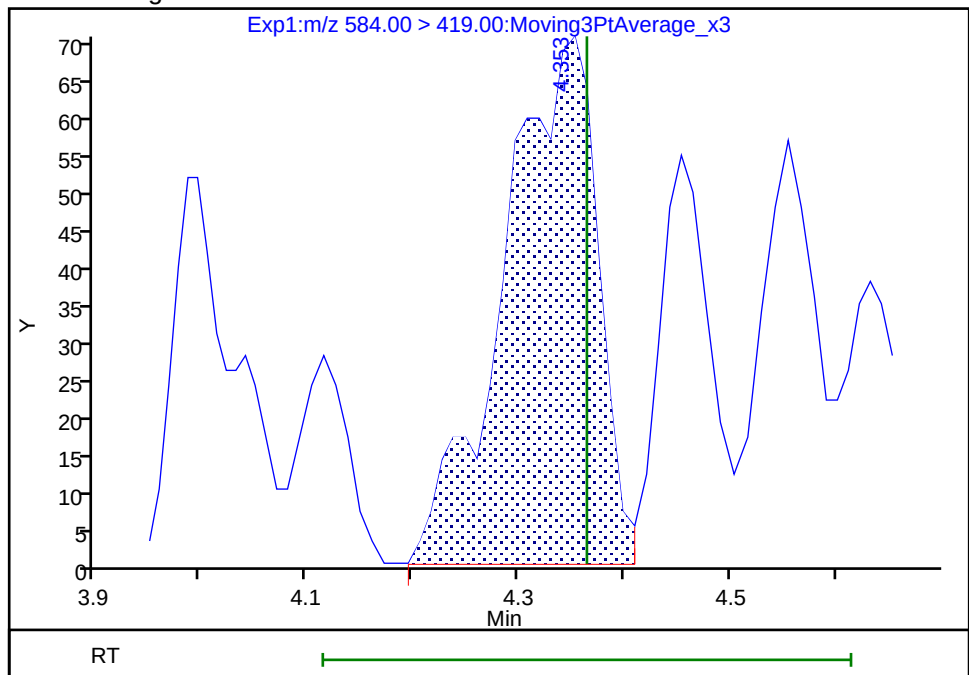
RT: 4.35
Area: 406
Amount: 0.000952
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 438
Amount: 0.001027
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:53:51

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

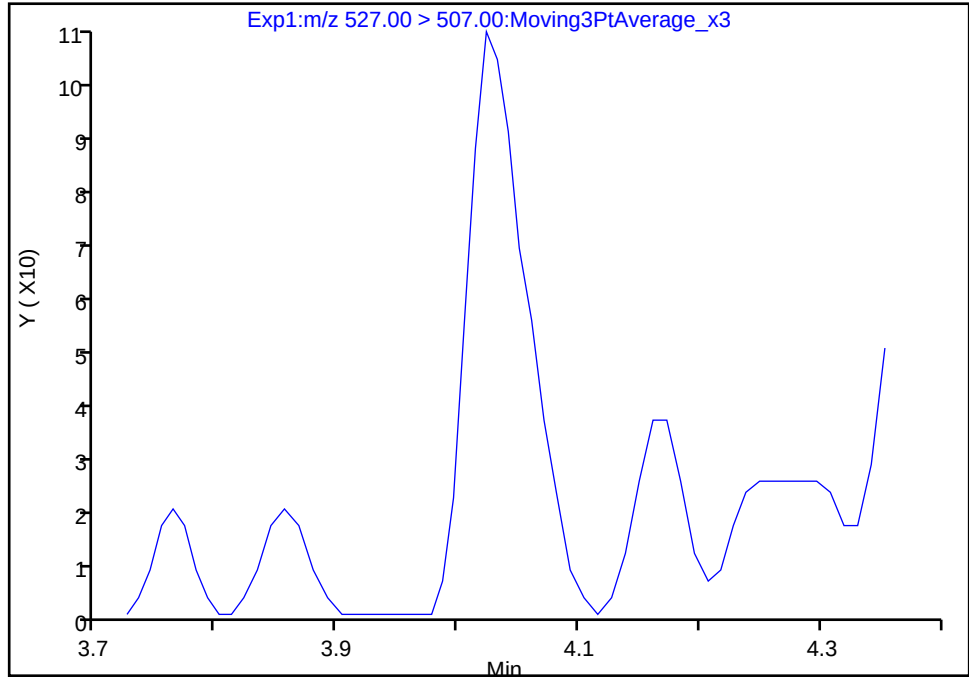
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B19.d
Injection Date: 19-Dec-2022 20:39:11 Instrument ID: LC812
Lims ID: 460-271302-A-3-A Lab Sample ID: 200-271302-3
Client ID: BCS-21-15_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

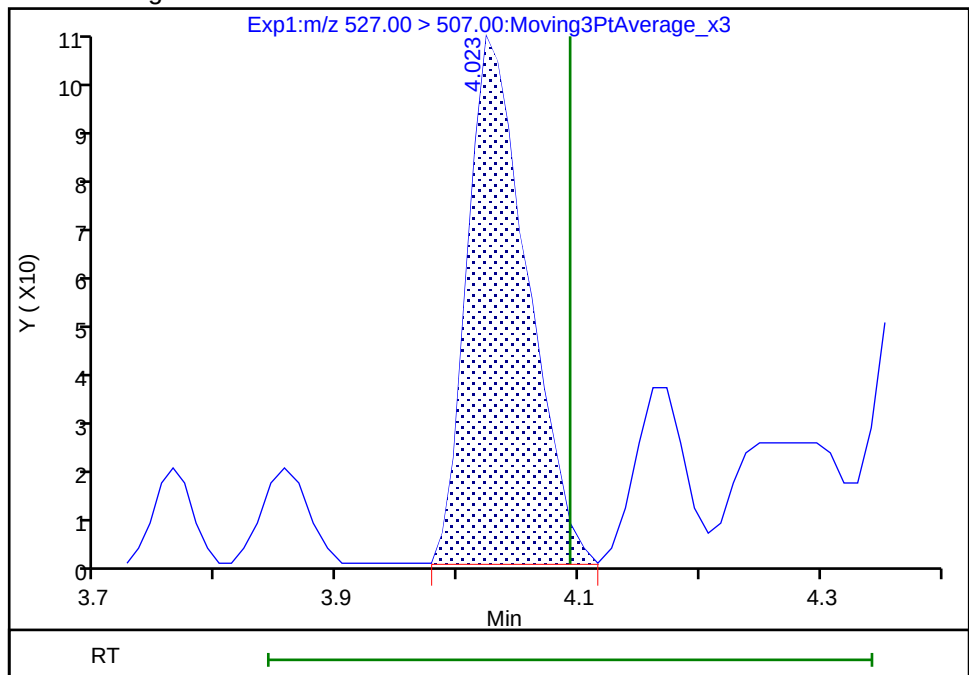
Signal: 1

Not Detected
Expected RT: 4.09

Processing Integration Results



Manual Integration Results



RT: 4.02
Area: 362
Amount: 0.000679
Amount Units: ng/ml

Reviewer: khanphomeea, 20-Dec-2022 14:52:44

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

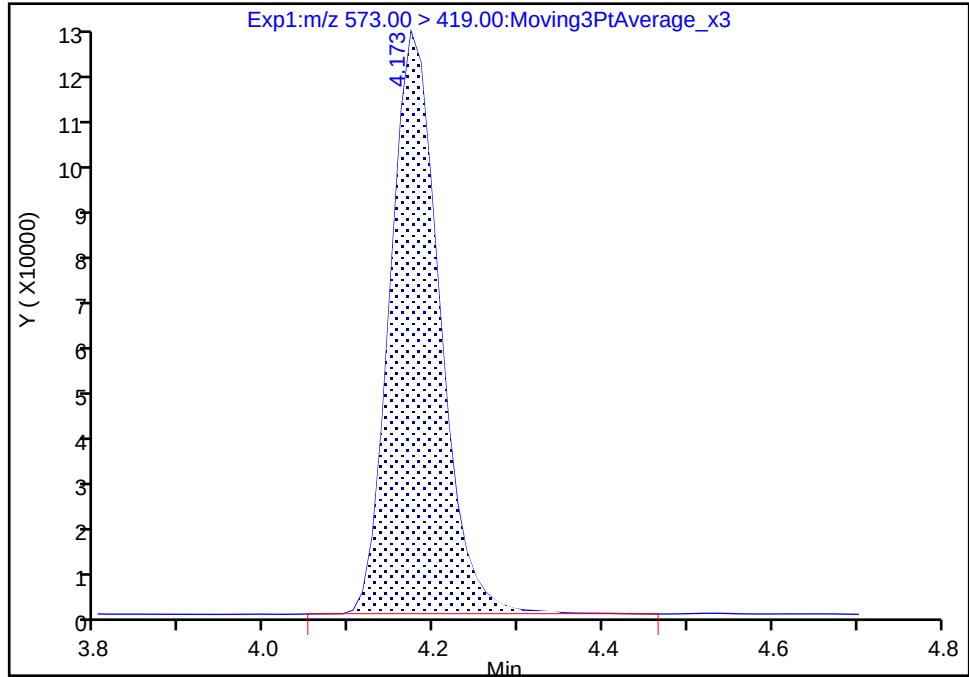
Data File:	\\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B19.d				
Injection Date:	19-Dec-2022 20:39:11	Instrument ID:	LC812		
Lims ID:	460-271302-A-3-A	Lab Sample ID:	200-271302-3		
Client ID:	BCS-21-15_(13-13.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

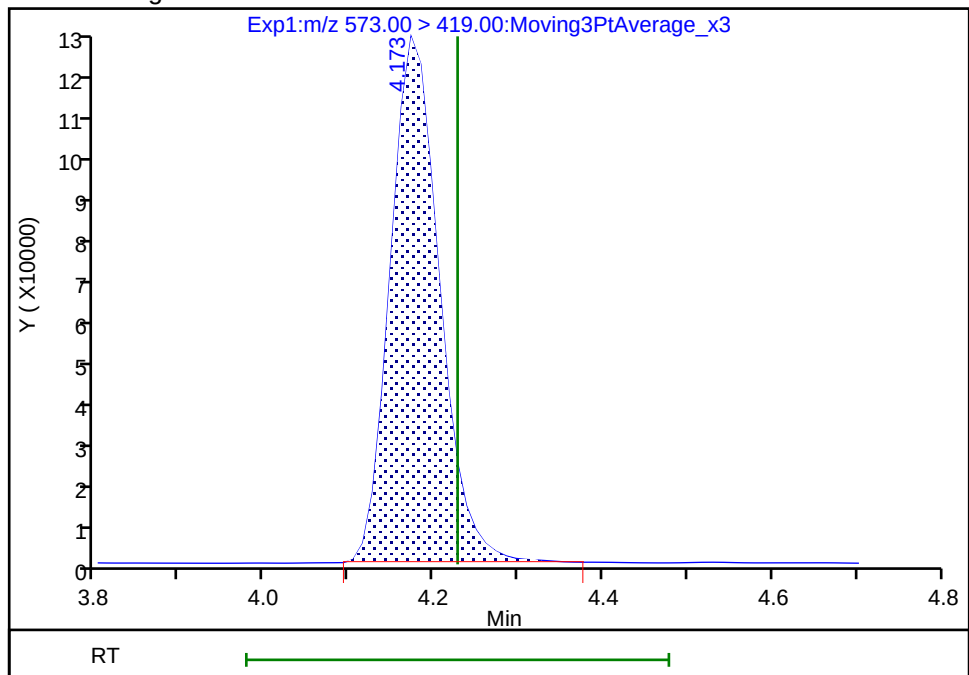
RT: 4.17
Area: 500224
Amount: 1.045291
Amount Units: ng/ml

Processing Integration Results



RT: 4.17
Area: 497679
Amount: 1.039973
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:49:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

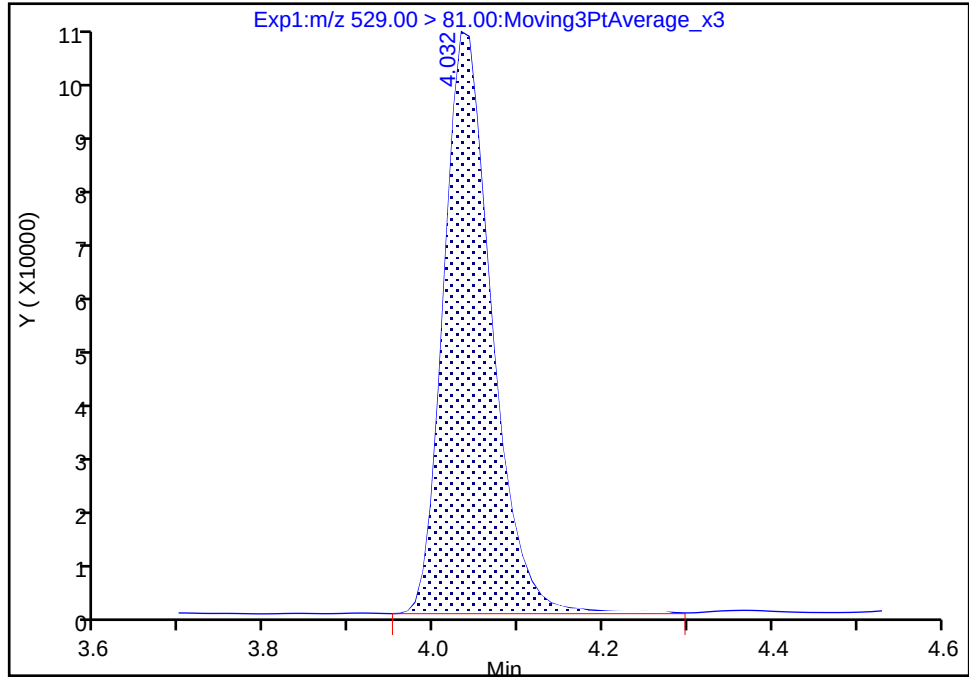
Data File:	\\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B19.d				
Injection Date:	19-Dec-2022 20:39:11	Instrument ID:	LC812		
Lims ID:	460-271302-A-3-A	Lab Sample ID:	200-271302-3		
Client ID:	BCS-21-15_(13-13.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 26 M2-8:2 FTS, CAS: STL02280

Signal: 1

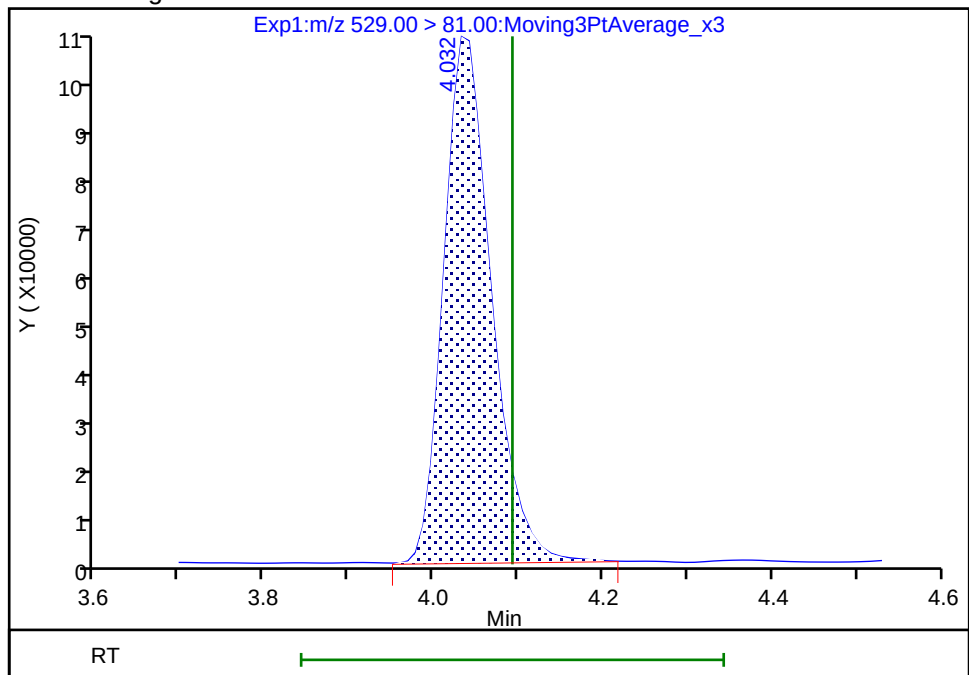
RT: 4.03
Area: 400654
Amount: 1.259875
Amount Units: ng/ml

Processing Integration Results



RT: 4.03
Area: 395013
Amount: 1.242137
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:49:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-271302-1

SDG No.: _____

Client Sample ID: BCS-21-16_(13-13.5)P Lab Sample ID: 460-271302-4

Matrix: Solid Lab File ID: PA221219B20.d

Analysis Method: 537 (modified) Date Collected: 12/13/2022 13:55

Extraction Method: SHAKE Date Extracted: 12/16/2022 16:11

Sample wt/vol: 5.15(g) Date Analyzed: 12/19/2022 20:47

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6 (mm)

% Moisture: 30.1 % Solids: 69.9 GPC Cleanup: (Y/N) N

Cleanup Factor: _____

Analysis Batch No.: 186872 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.69	U	0.69	0.46
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	0.076
307-24-4	Perfluorohexanoic acid (PFHxA)	0.28	U	0.28	0.064
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.28	U	0.28	0.054
335-67-1	Perfluorooctanoic acid (PFOA)	0.28	U	0.28	0.081
375-95-1	Perfluorononanoic acid (PFNA)	0.28	U	0.28	0.047
335-76-2	Perfluorodecanoic acid (PFDA)	0.28	U	0.28	0.039
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.28	U	0.28	0.037
307-55-1	Perfluorododecanoic acid (PFDoA)	0.28	U	0.28	0.035
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.28	U	0.28	0.035
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.28	U	0.28	0.036
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.28	U	0.28	0.046
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.28	U	0.28	0.057
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.28	U	0.28	0.032
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.28	U	0.28	0.15
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.28	U	0.28	0.026
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.28	U	0.28	0.047
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.78	U	2.78	0.15
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.78	U	2.78	0.12
27619-97-2	6:2 FTS	2.78	U	2.78	0.079
39108-34-4	8:2 FTS	2.78	U	2.78	0.051

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-271302-1
 SDG No.: _____
 Client Sample ID: BCS-21-16_(13-13.5)P Lab Sample ID: 460-271302-4
 Matrix: Solid Lab File ID: PA221219B20.d
 Analysis Method: 537 (modified) Date Collected: 12/13/2022 13:55
 Extraction Method: SHAKE Date Extracted: 12/16/2022 16:11
 Sample wt/vol: 5.15(g) Date Analyzed: 12/19/2022 20:47
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6 (mm)
 % Moisture: 30.1 % Solids: 69.9 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186872 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	91		50-150
STL01892	13C4 PFHpA	91		50-150
STL00990	13C4 PFOA	92		50-150
STL00991	13C4 PFOS	87		50-150
STL00995	13C5 PFNA	90		50-150
STL00992	13C4 PFBA	85		50-150
STL00993	13C2 PFHxA	89		50-150
STL00996	13C2 PFDA	99		50-150
STL00997	13C2 PFUnA	100		50-150
STL00998	13C2 PFDoA	98		50-150
STL01056	13C8 FOSA	85		50-150
STL01893	13C5 PFPeA	86		50-150
STL02116	13C2 PFTeDA	103		50-150
STL02118	d3-NMeFOSAA	90		50-150
STL02117	d5-NEtFOSAA	108		50-150
STL02279	M2-6:2 FTS	99		50-150
STL02280	M2-8:2 FTS	115		50-150
STL02337	13C3 PFBS	90		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B20.d
 Lims ID: 460-271302-A-4-A
 Client ID: BCS-21-16_(13-13.5)P
 Sample Type: Client
 Inject. Date: 19-Dec-2022 20:47:24 ALS Bottle#: 20 Worklist Smp#: 20
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 460-271302-A-4-A
 Misc. Info.: 200-0053737-020 Plate: 1 Rack: 2
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 22-Dec-2022 09:36:59 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1616

First Level Reviewer: khanphomeea

Date: 20-Dec-2022 14:58:38

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.093	2.076	0.017	0.614	2703999	1.06		85.0	9708	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.102	2.076	0.026	1.004	68929	0.0309			4.4	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.386	2.387	-0.001	0.700	2087510	1.08		86.1	2475	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.386	2.387	-0.001	1.000	10785	0.005926			0.2	M
D 47 13C3 PFBS										
301.90 > 80.00	2.400	2.400	0.0	0.703	2193774	1.04		89.6	160853	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.400	2.400	0.0	1.000	4048	0.001875	Target=2.09		0.6	M
298.90 > 99.00	2.426	2.400	0.026	1.011	1436		2.82(1.04-3.13)		0.1	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.713	2.725	-0.012	0.795	2253908	1.11		88.8	4028	
D 11 18O2 PFHxS										
403.00 > 84.00	3.065	3.088	-0.023	0.899	1659403	1.08		91.5	3719	
8 Perfluorohexanesulfonic acid										RM
399.00 > 80.00	3.065	3.088	-0.023	1.000	5446	0.003438	Target=3.66		2.6	RM
399.00 > 99.00	3.098	3.088	0.010	1.011	5375		1.01(1.83-5.49)		1.9	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.065	3.099	-0.034	0.899	2368396	1.13		90.7	3475	
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.403	3.439	-0.036	0.997	301759	1.17		98.8	158	M
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.386	3.439	-0.053	0.995	1422	-0.009224			4.1	
D 14 13C4 PFOA										
417.00 > 372.00	3.411	3.448	-0.037	1.000	2699165	1.15		91.9	4685	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
* 62 13C2 PFOA										
415.00 > 370.00	3.411	3.448	-0.037		2836675	1.25			6573	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.411	3.448	-0.037	1.000	14158	0.006133	Target=2.79	0.9		RM
413.00 > 169.00	3.403	3.448	-0.045	0.997	3352		4.22(1.40-4.19)	4.8		M
D 18 13C4 PFOS										
503.00 > 80.00	3.715	3.764	-0.049	1.089	1084708	1.04		87.2	712	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.705	3.764	-0.059	0.997	7796	0.007062	Target=5.11	2.5		RM
499.00 > 99.00	3.561	3.764	-0.203	0.959	25072		0.31(2.55-7.66)	14.1		M
D 19 13C5 PFNA										
468.00 > 423.00	3.734	3.783	-0.049	1.095	2573102	1.13		90.2	7331	
D 23 13C2 PFDA										
515.00 > 470.00	4.032	4.081	-0.049	1.182	2887023	1.24		99.3	5407	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.041	4.093	-0.052	1.185	434903	1.38		115	288	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.041	4.093	-0.052	1.000	229	0.000390		3.4		M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.104	4.150	-0.046	1.000	3227	0.001906		11.7		M
D 21 13C8 FOSA										
506.00 > 78.00	4.104	4.150	-0.046	1.203	2025402	1.06		85.0	1716	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.184	4.228	-0.044	1.226	530519	1.12		89.6	1251	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.173	4.228	-0.056	0.997	711	-0.009679		3.0		M
D 30 13C2 PFUnA										
565.00 > 520.00	4.308	4.353	-0.045	1.263	2659539	1.25		99.9	3327	
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.319	4.365	-0.046	1.000	2119	0.004717		16.7		M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.319	4.365	-0.046	1.266	627255	1.35		108	922	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.543	4.591	-0.048	1.000	7740	0.003431	Target=7.77	1.6		M
613.00 > 169.00	4.543	4.591	-0.048	1.000	798		9.70(3.89-11.66)	5.6		M
D 36 13C2 PFDaA										
615.00 > 570.00	4.543	4.591	-0.048	1.332	2661999	1.23		98.1	5598	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.758	4.804	-0.046	1.047	6961	0.003226	Target=5.21	0.8		M
663.00 > 169.00	4.758	4.804	-0.046	1.047	1528		4.56(2.60-7.81)	10.7		
42 Perfluorotetradecanoic acid										
713.00 > 169.00	4.952	5.012	-0.060	1.000	1248	0.004711	Target=0.89	16.1		M
713.00 > 219.00	4.952	5.012	-0.060	1.000	1360		0.92(0.44-1.33)	13.7		M
D 43 13C2 PFTeDA										
715.00 > 670.00	4.952	5.012	-0.060	1.451	2419036	1.29		103	6766	

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B20.d

Injection Date: 19-Dec-2022 20:47:24

Instrument ID: LC812

Lims ID: 460-271302-A-4-A

Lab Sample ID: 200-271302-4

Client ID: BCS-21-16_(13-13.5)P

Operator ID: lc812tech

ALS Bottle#: 20

Worklist Smp#: 20

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

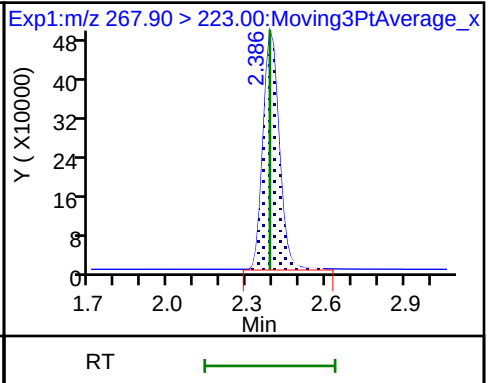
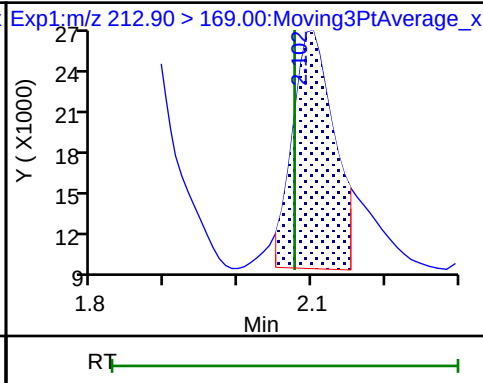
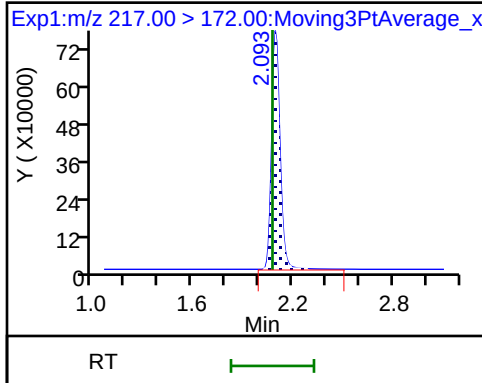
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

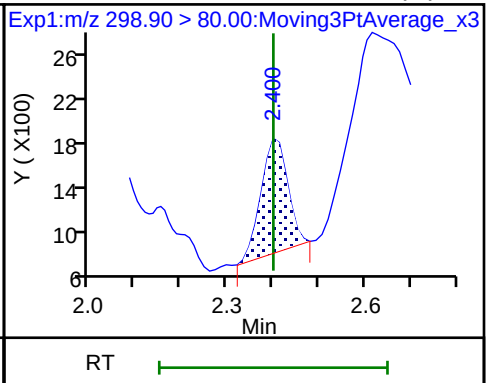
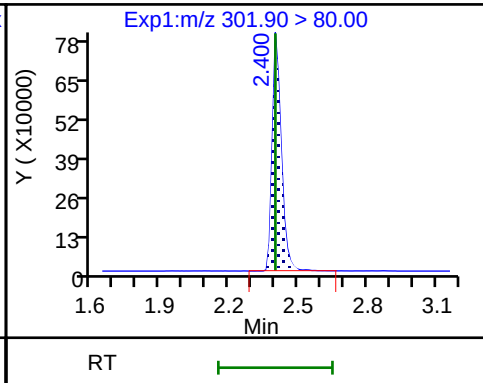
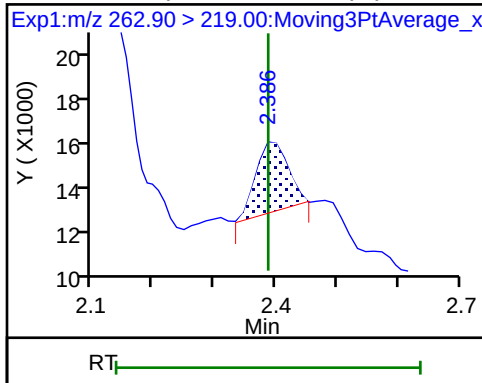
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS

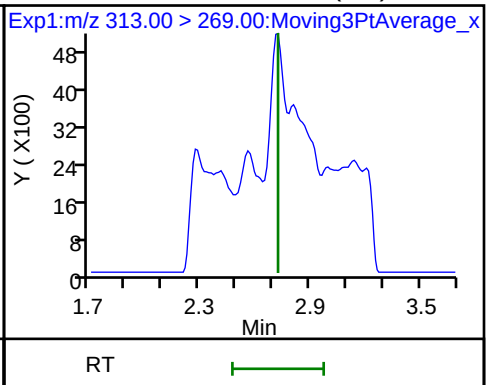
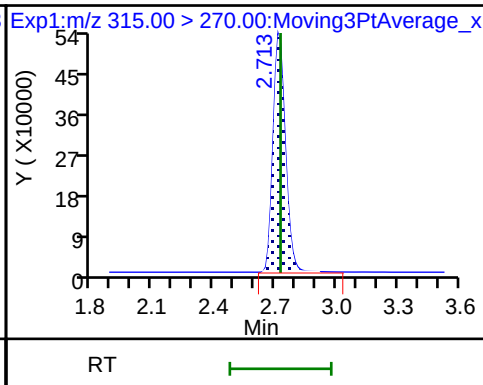
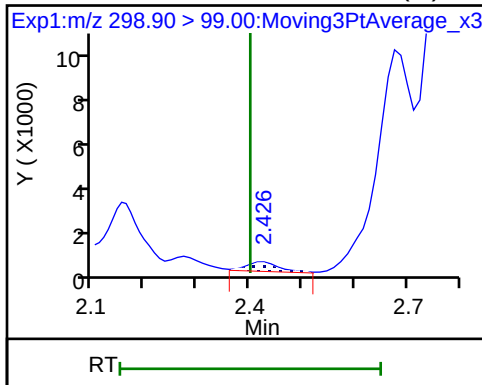
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

D 7 13C2 PFHxA

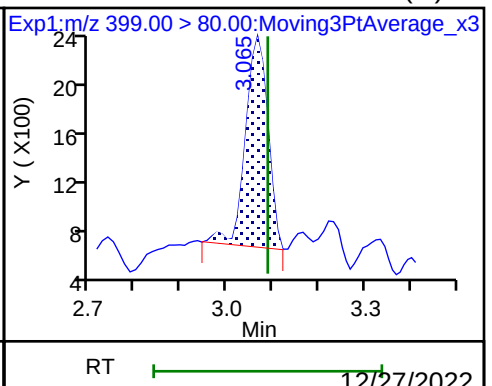
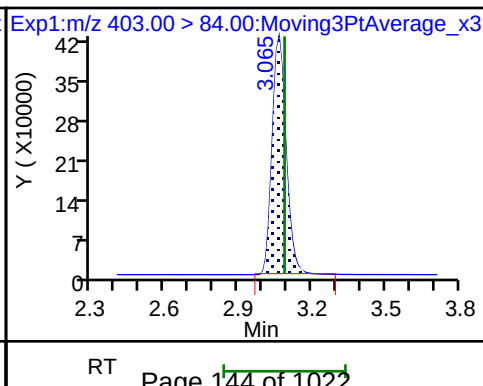
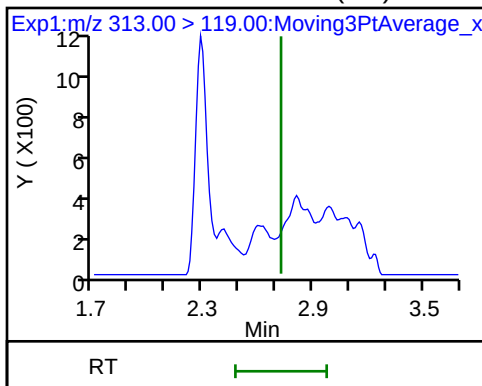
6 Perfluorohexanoic acid (ND)

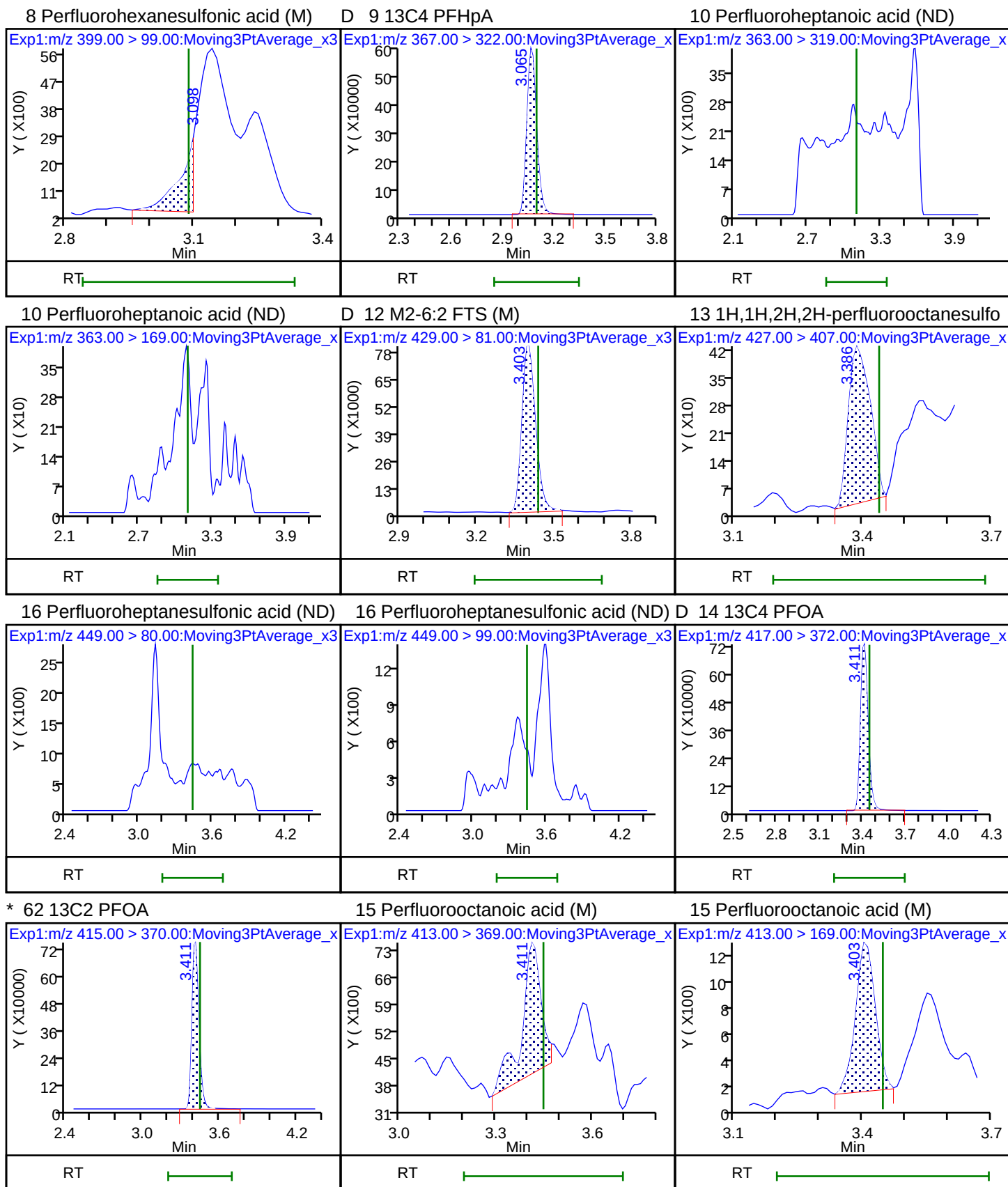


6 Perfluorohexanoic acid (ND)

D 11 18O2 PFHxS

8 Perfluorohexanesulfonic acid (M)

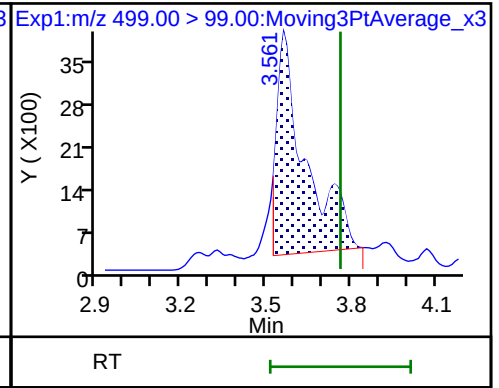
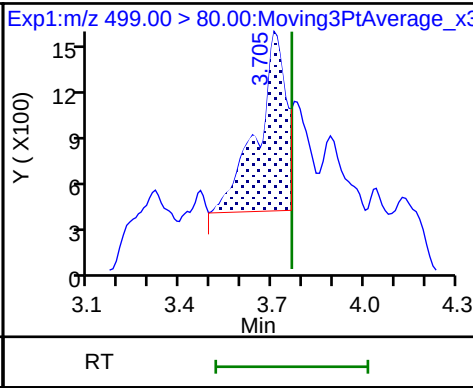
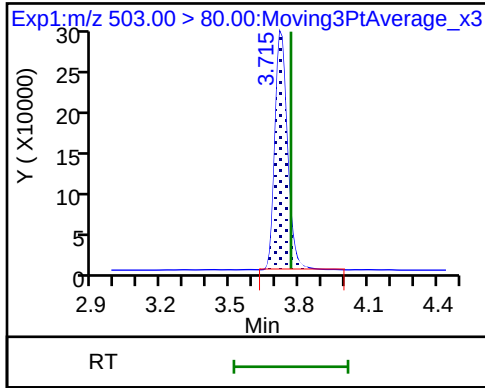




D 18 13C4 PFOS

17 Perfluorooctanesulfonic acid (M)

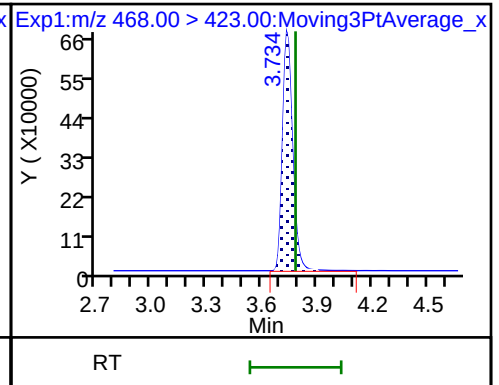
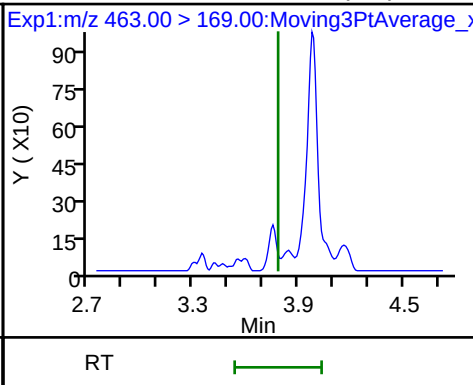
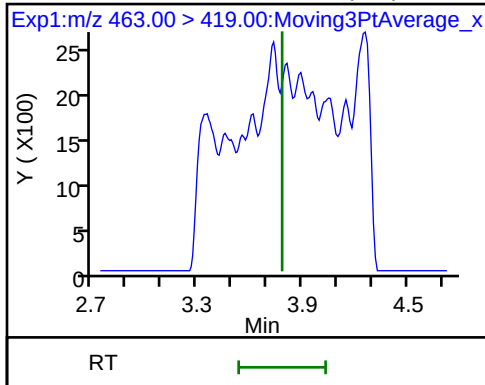
17 Perfluorooctanesulfonic acid (M)



20 Perfluorononanoic acid (ND)

20 Perfluorononanoic acid (ND)

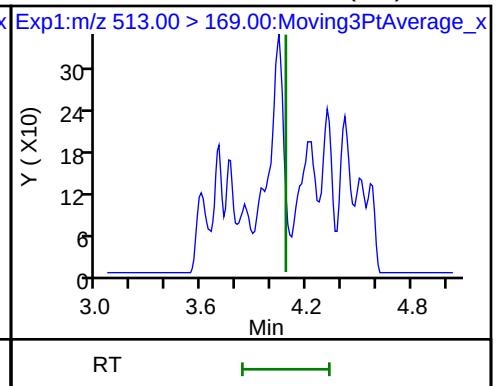
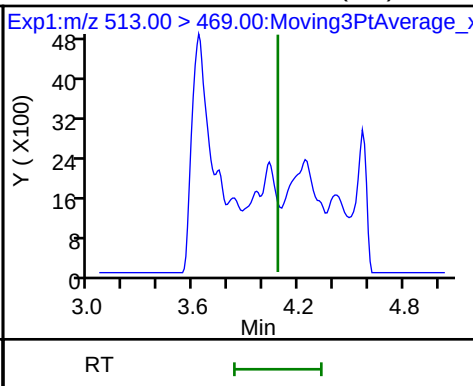
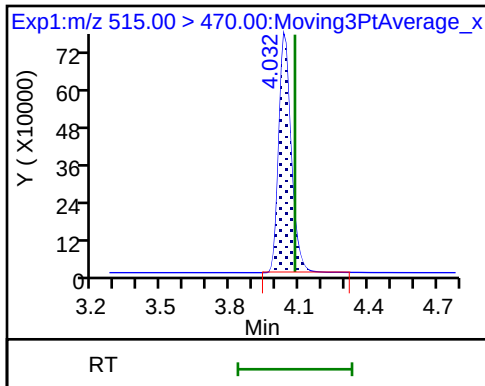
D 19 13C5 PFNA



D 23 13C2 PFDA

24 Perfluorodecanoic acid (ND)

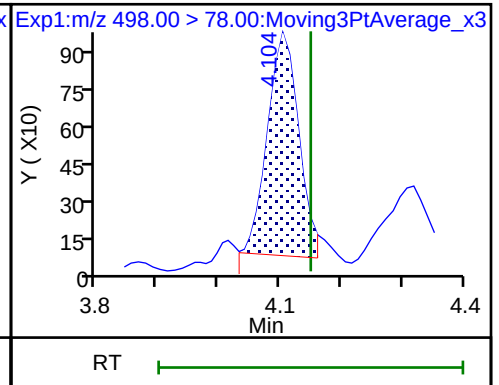
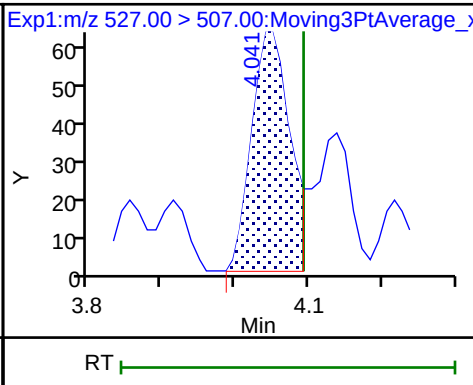
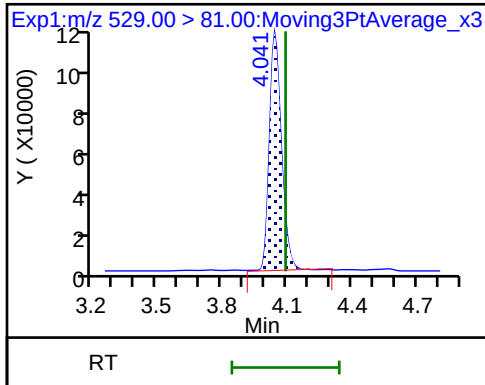
24 Perfluorodecanoic acid (ND)



D 26 M2-8:2 FTS

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

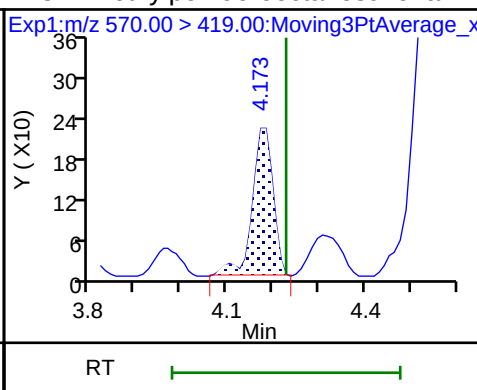
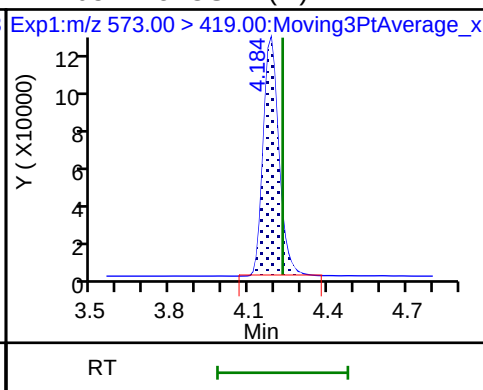
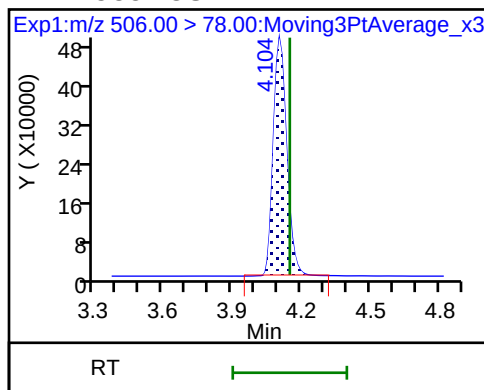
22 Perfluorooctanesulfonamide (M)



D 21 13C8 FOSA

D 27 d3-NMeFOSAA (M)

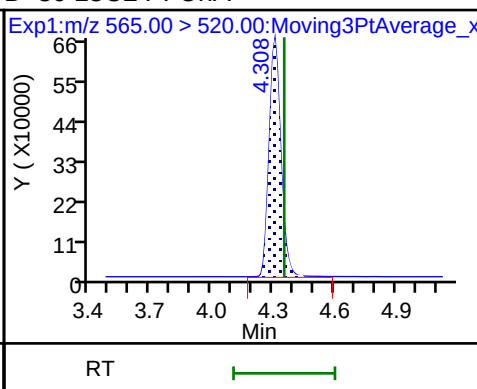
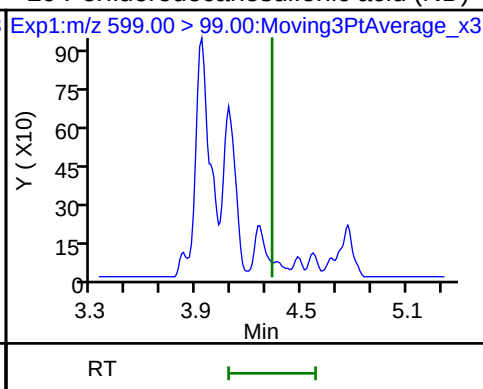
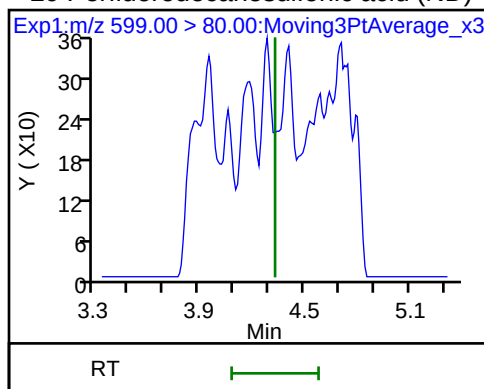
28 N-methylperfluorooctanesulfonami (M)



29 Perfluorodecanesulfonic acid (ND)

29 Perfluorodecanesulfonic acid (ND)

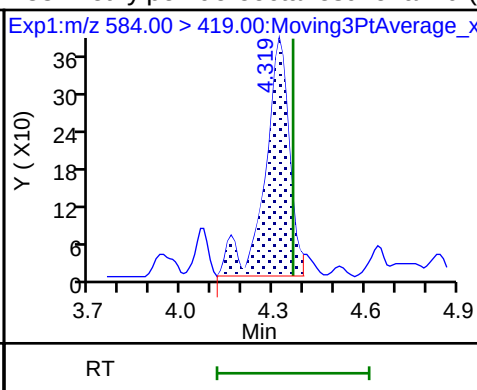
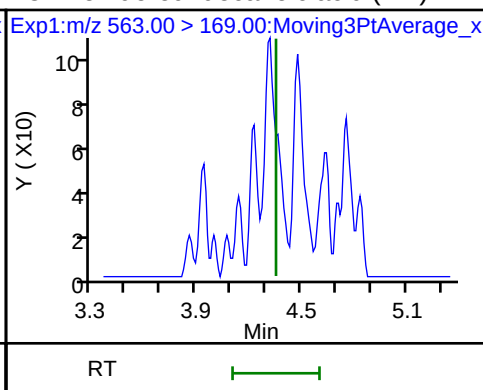
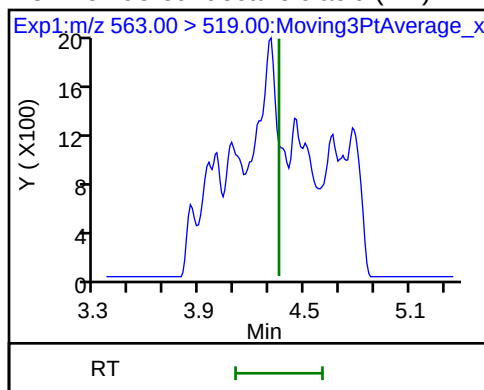
D 30 13C2 PFUnA



31 Perfluoroundecanoic acid (ND)

31 Perfluoroundecanoic acid (ND)

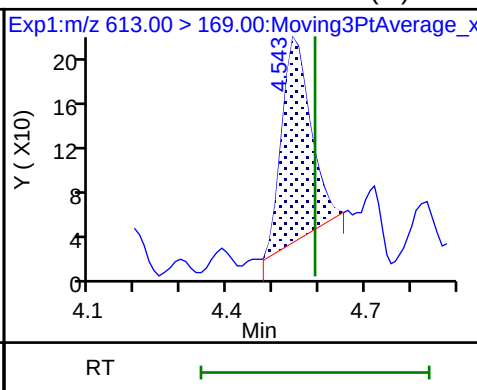
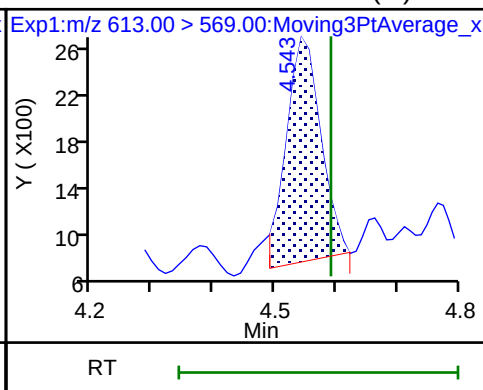
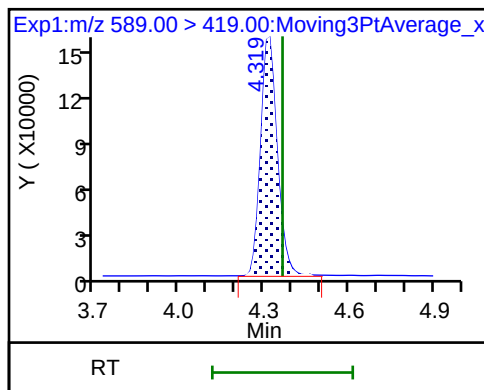
33 N-ethylperfluorooctanesulfonamid (M)



D 32 d5-NEtFOSAA

37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid (M)

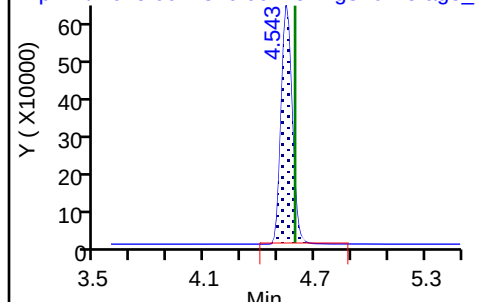


D 36 13C2 PFDaA

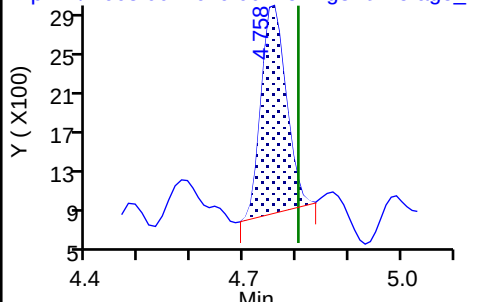
41 Perfluorotridecanoic acid (M)

41 Perfluorotridecanoic acid

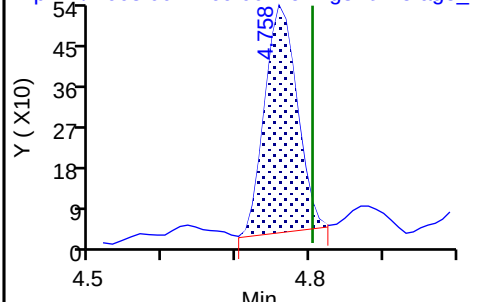
Exp1:m/z 615.00 > 570.00:Moving3PtAverage_x



Exp1:m/z 663.00 > 619.00:Moving3PtAverage_x



Exp1:m/z 663.00 > 169.00:Moving3PtAverage_x

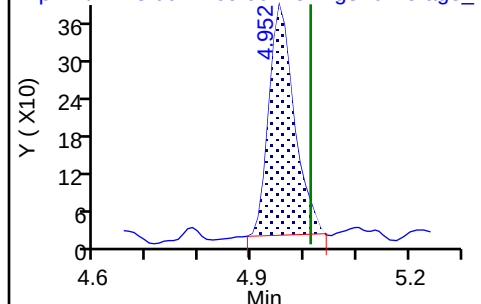


42 Perfluorotetradecanoic acid (M)

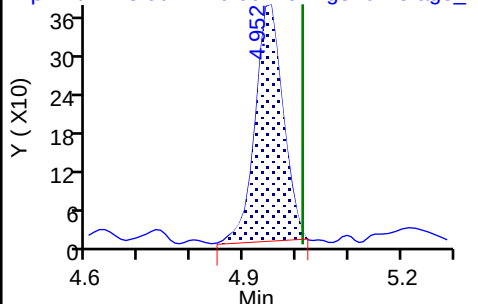
42 Perfluorotetradecanoic acid (M)

D 43 13C2 PFTeDA

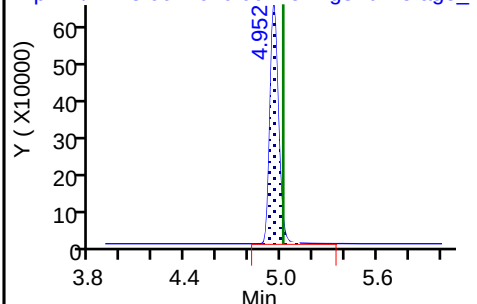
Exp1:m/z 713.00 > 169.00:Moving3PtAverage_x



Exp1:m/z 713.00 > 219.00:Moving3PtAverage_x



Exp1:m/z 715.00 > 670.00:Moving3PtAverage_x



Eurofins Burlington

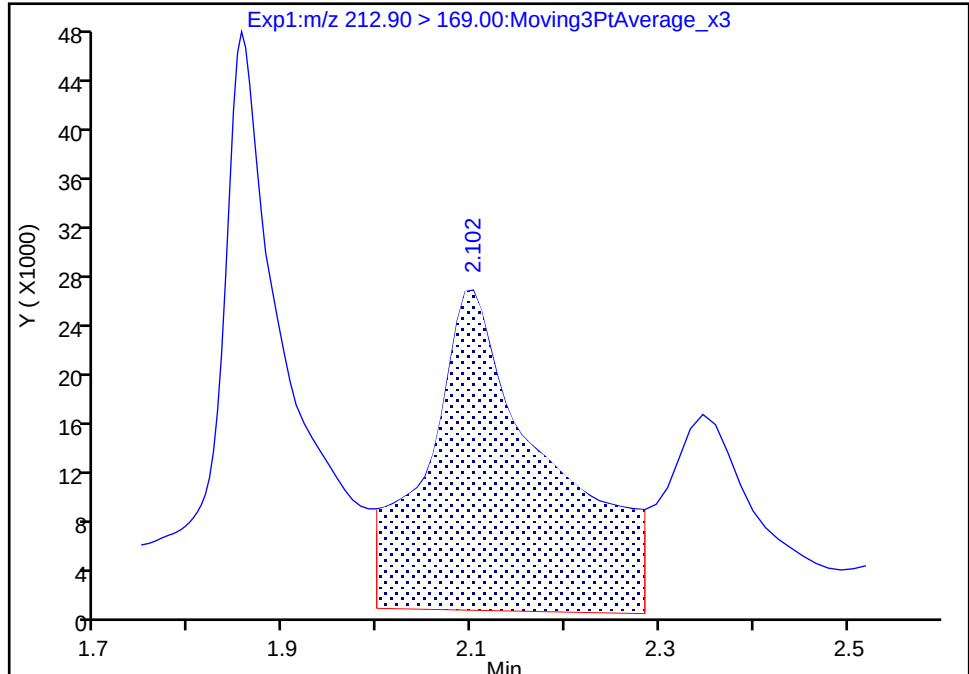
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B20.d
Injection Date: 19-Dec-2022 20:47:24 Instrument ID: LC812
Lims ID: 460-271302-A-4-A Lab Sample ID: 200-271302-4
Client ID: BCS-21-16_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

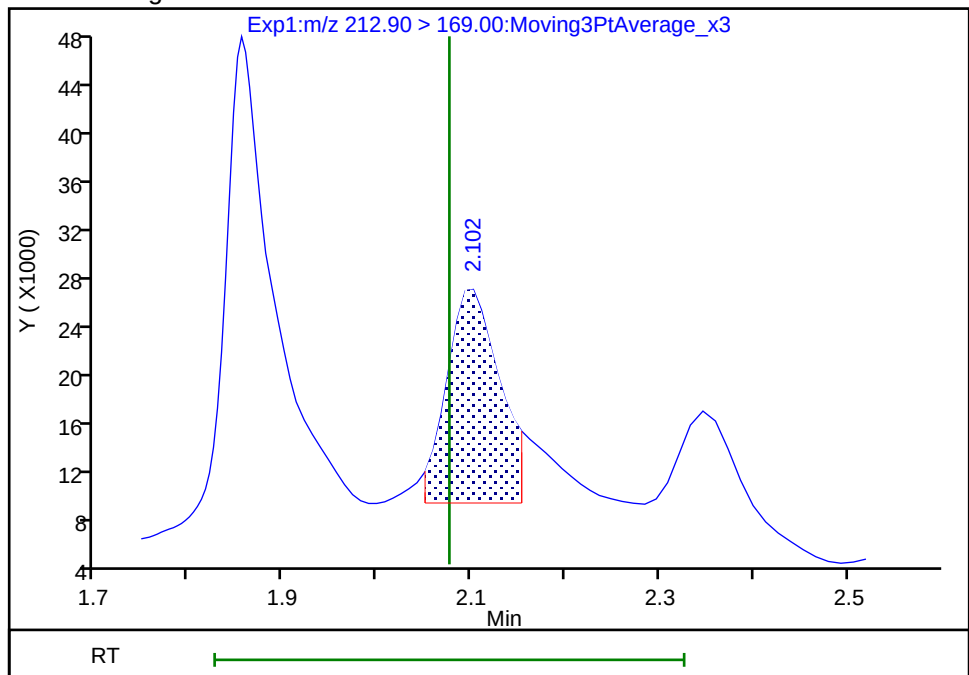
RT: 2.10
Area: 230021
Amount: 0.103117
Amount Units: ng/ml

Processing Integration Results



RT: 2.10
Area: 68929
Amount: 0.030900
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:55:44
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

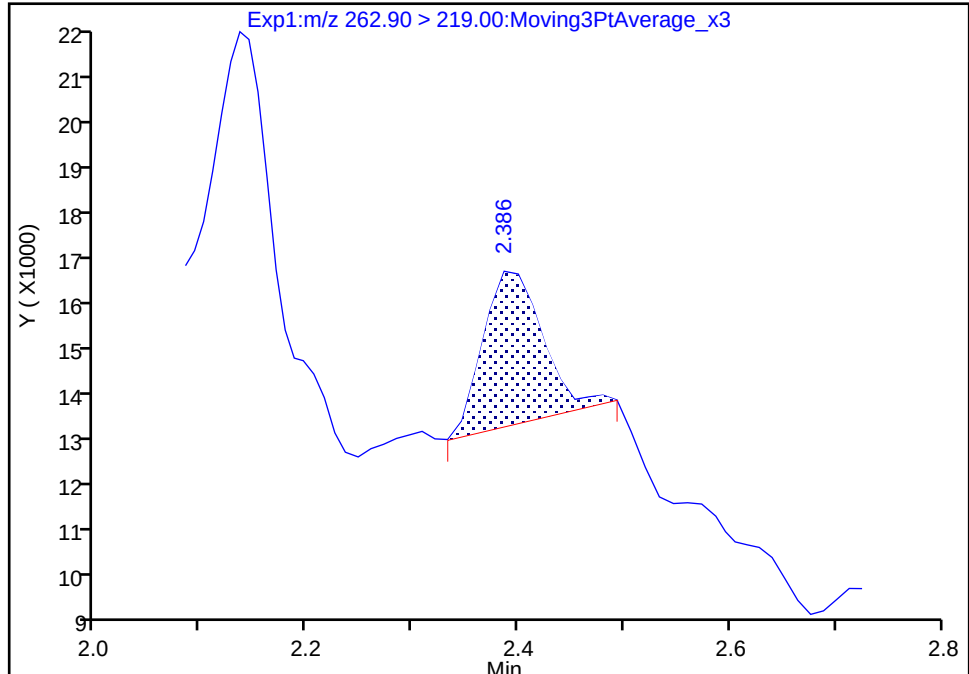
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B20.d
Injection Date: 19-Dec-2022 20:47:24 Instrument ID: LC812
Lims ID: 460-271302-A-4-A Lab Sample ID: 200-271302-4
Client ID: BCS-21-16_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

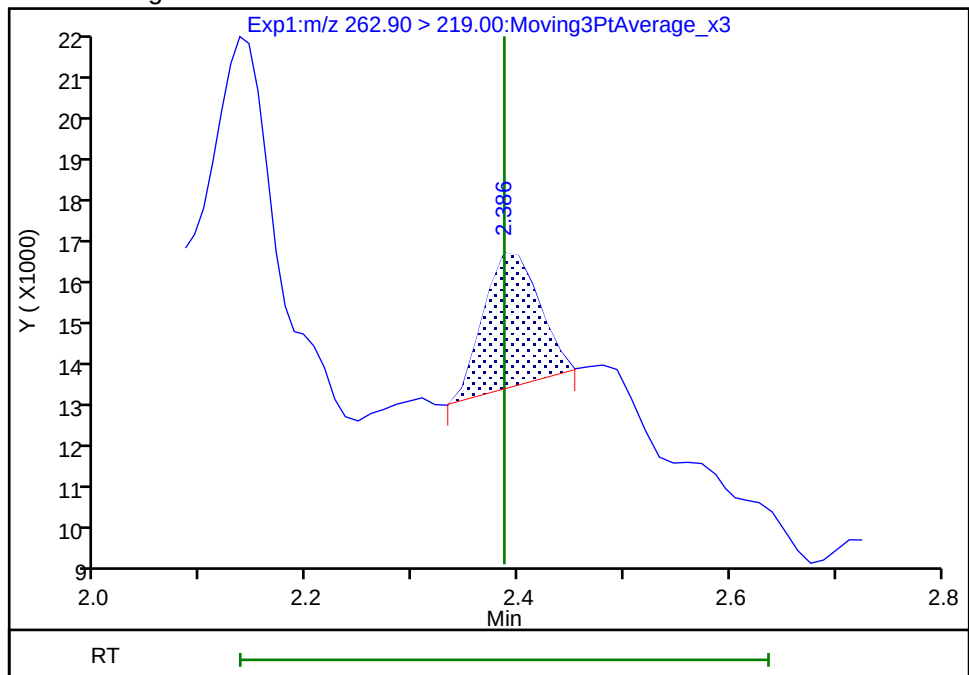
RT: 2.39
Area: 11912
Amount: 0.006545
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 10785
Amount: 0.005926
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:55:49

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

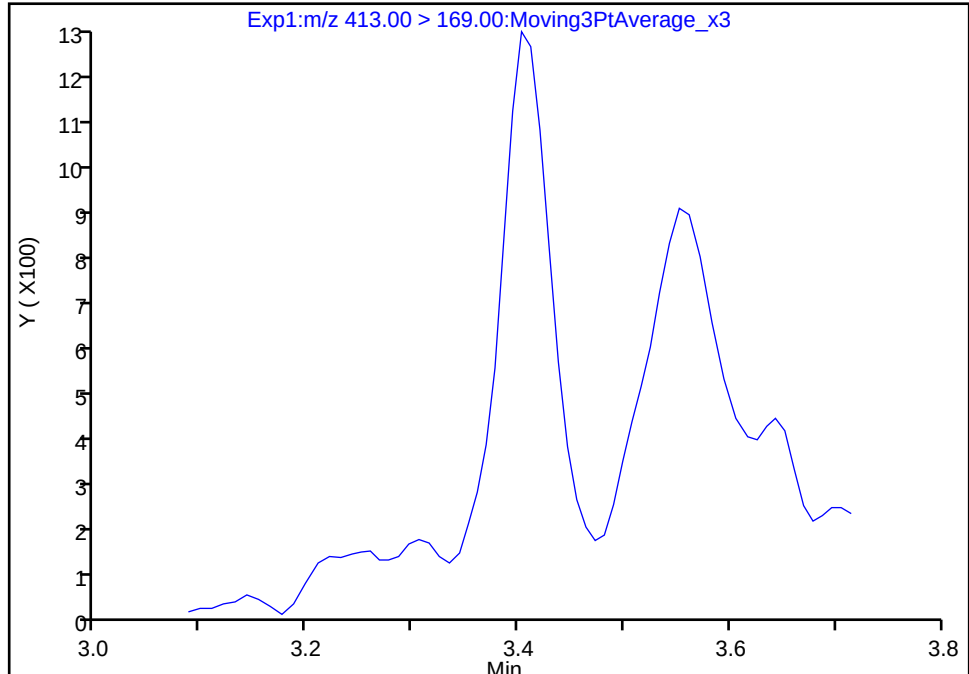
Data File:	\\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B20.d				
Injection Date:	19-Dec-2022 20:47:24	Instrument ID:	LC812		
Lims ID:	460-271302-A-4-A	Lab Sample ID:	200-271302-4		
Client ID:	BCS-21-16_(13-13.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

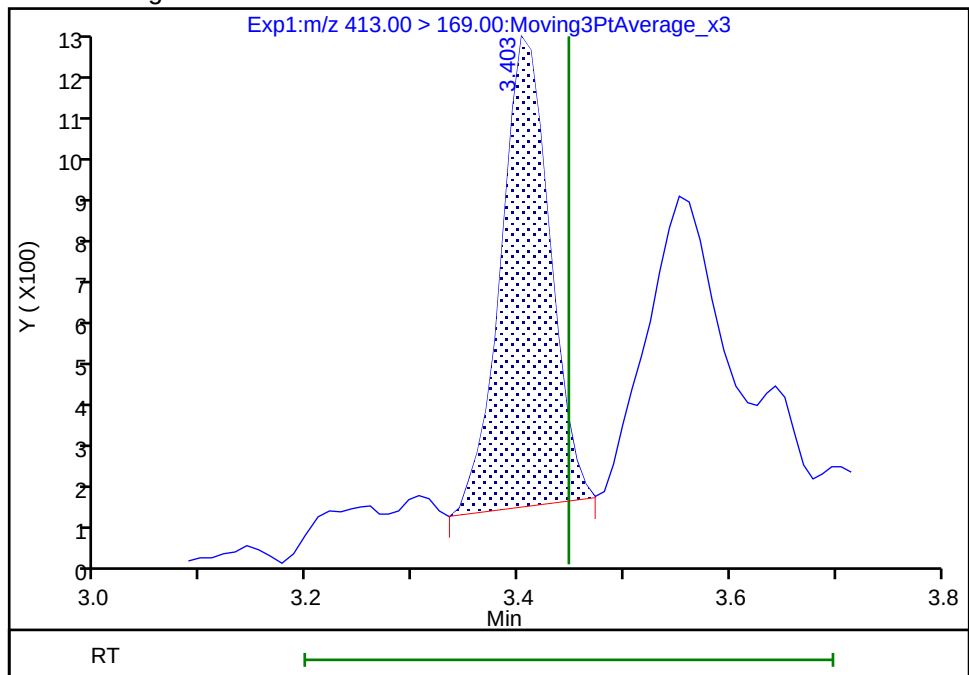
Not Detected
Expected RT: 3.45

Processing Integration Results



Manual Integration Results

RT: 3.40
Area: 3352
Amount: 0.006133
Amount Units: ng/ml



Reviewer: khanphomeea, 20-Dec-2022 14:56:46

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

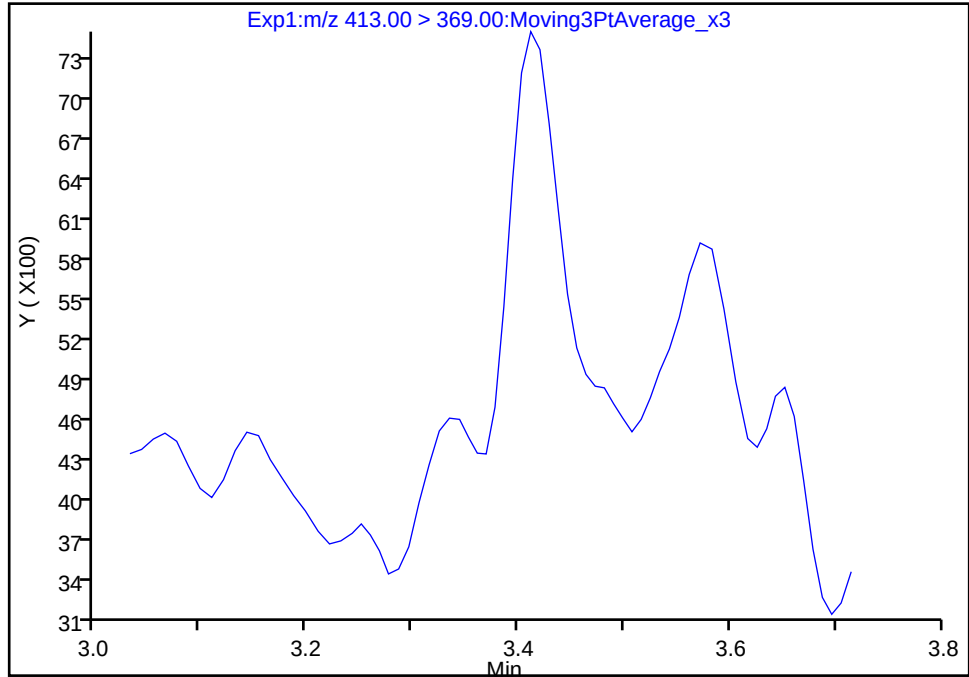
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B20.d
Injection Date: 19-Dec-2022 20:47:24 Instrument ID: LC812
Lims ID: 460-271302-A-4-A Lab Sample ID: 200-271302-4
Client ID: BCS-21-16_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

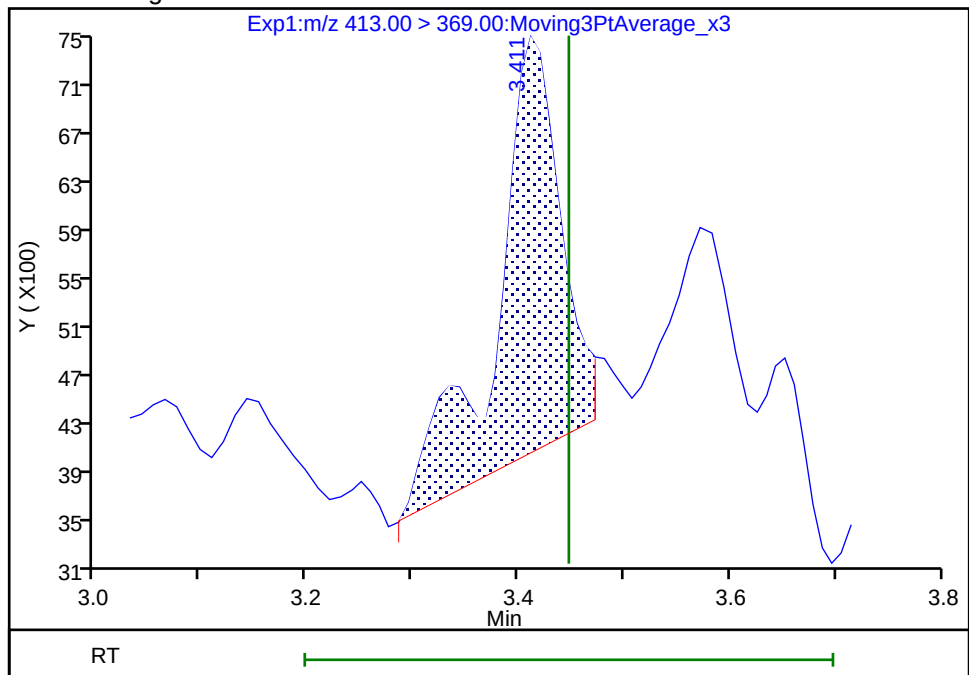
Not Detected
Expected RT: 3.45

Processing Integration Results



Manual Integration Results

RT: 3.41
Area: 14158
Amount: 0.006133
Amount Units: ng/ml



Reviewer: khanphomeea, 20-Dec-2022 14:56:56

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

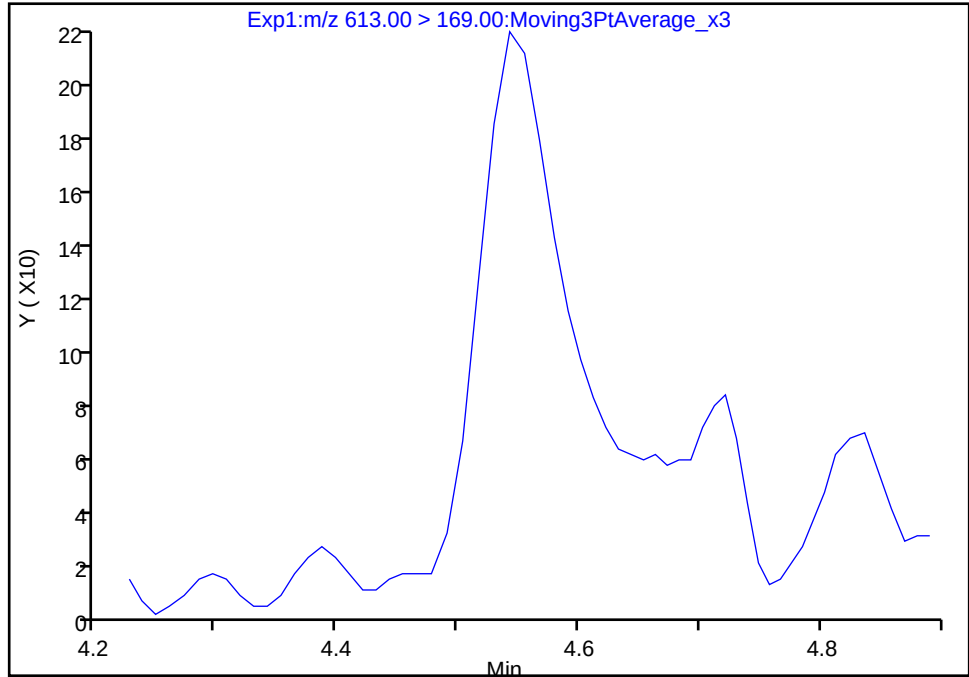
Data File:	\\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B20.d				
Injection Date:	19-Dec-2022 20:47:24	Instrument ID:	LC812		
Lims ID:	460-271302-A-4-A	Lab Sample ID:	200-271302-4		
Client ID:	BCS-21-16_(13-13.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

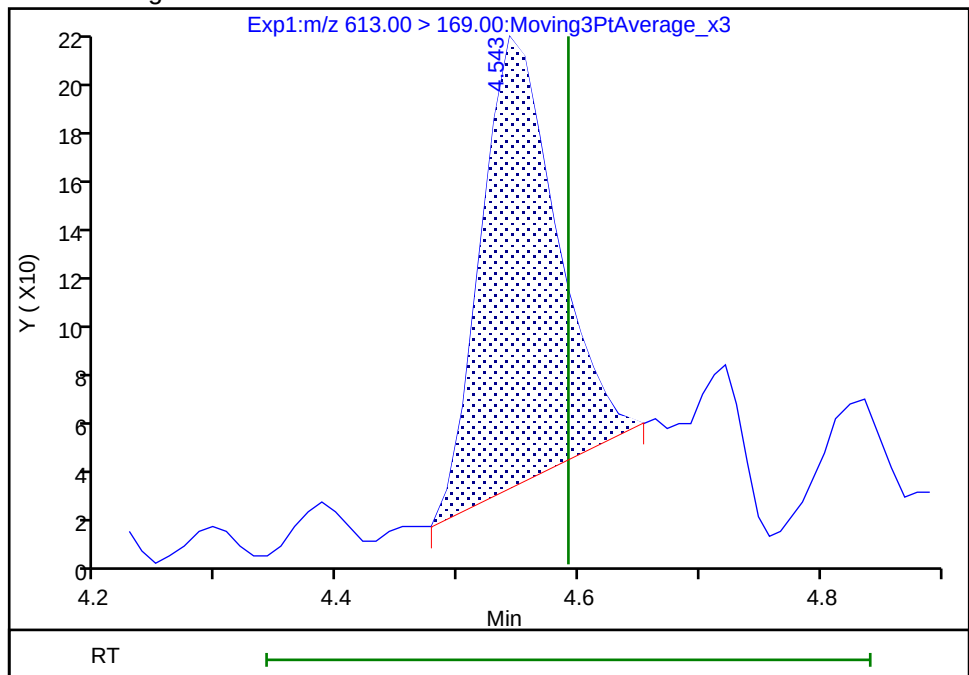
Signal: 2

Not Detected
Expected RT: 4.59

Processing Integration Results



Manual Integration Results

RT: 4.54
Area: 798
Amount: 0.003431
Amount Units: ng/ml

Reviewer: khanphomeea, 20-Dec-2022 14:58:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

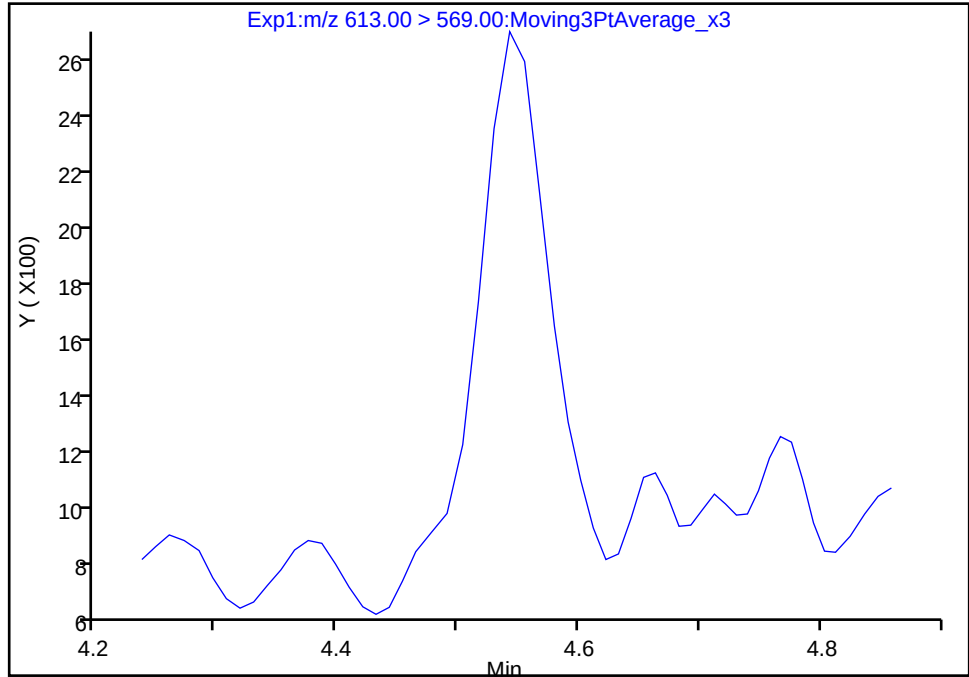
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B20.d
Injection Date: 19-Dec-2022 20:47:24 Instrument ID: LC812
Lims ID: 460-271302-A-4-A Lab Sample ID: 200-271302-4
Client ID: BCS-21-16_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

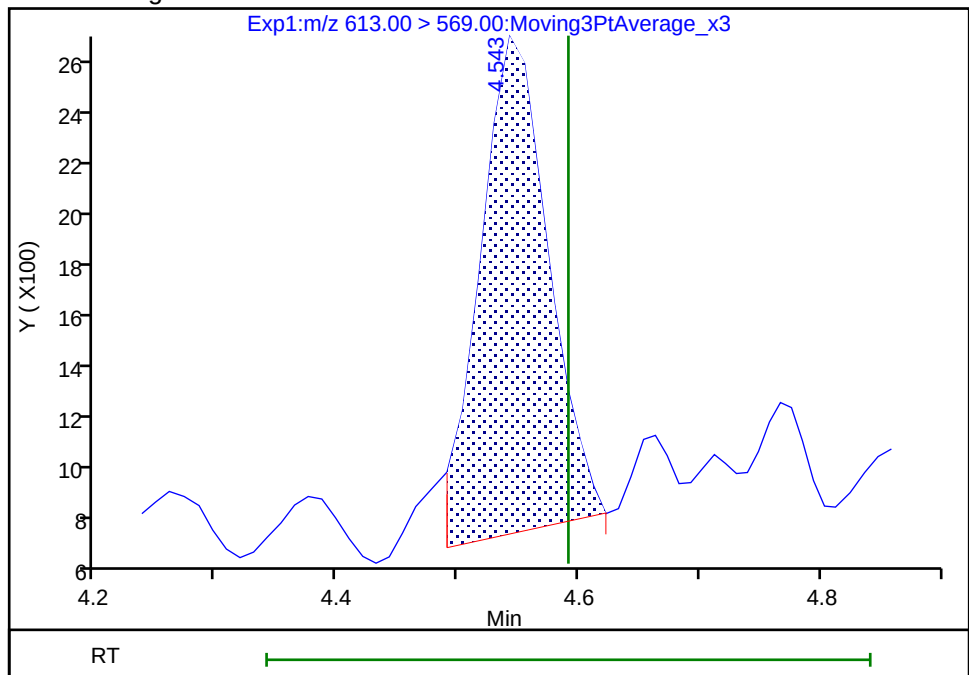
Not Detected
Expected RT: 4.59

Processing Integration Results



Manual Integration Results

RT: 4.54
Area: 7740
Amount: 0.003431
Amount Units: ng/ml



Reviewer: khanphomeea, 20-Dec-2022 14:58:21

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

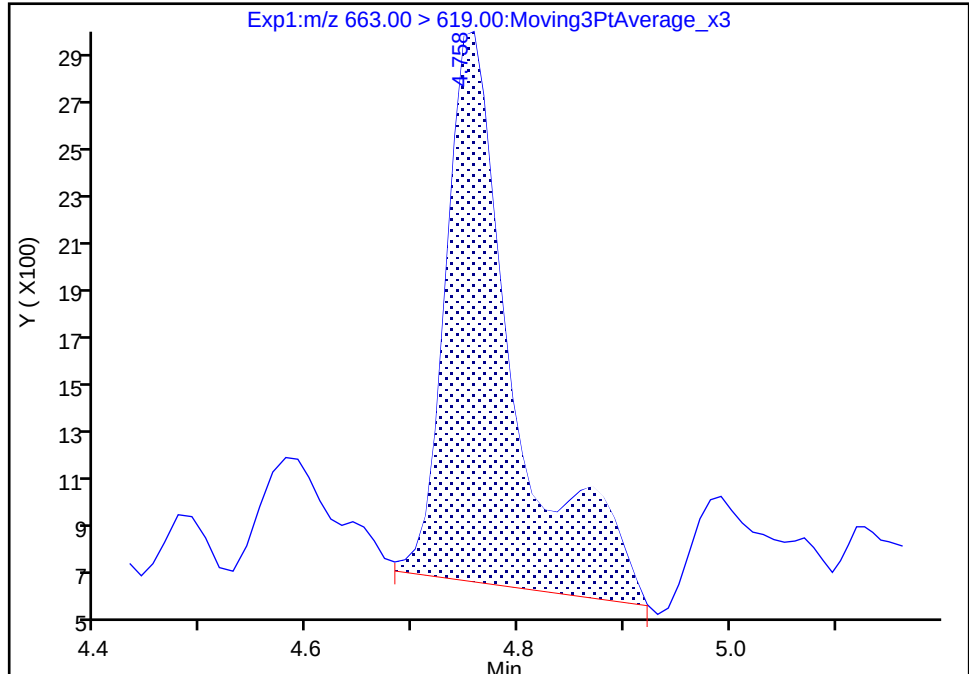
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B20.d
Injection Date: 19-Dec-2022 20:47:24 Instrument ID: LC812
Lims ID: 460-271302-A-4-A Lab Sample ID: 200-271302-4
Client ID: BCS-21-16_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

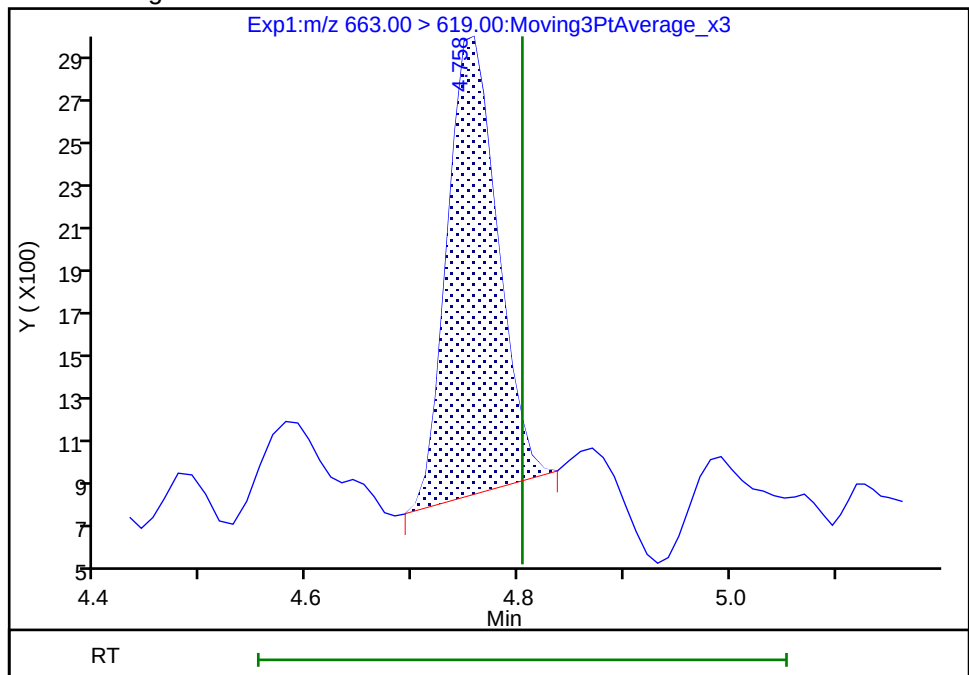
RT: 4.76
Area: 10283
Amount: 0.004766
Amount Units: ng/ml

Processing Integration Results



RT: 4.76
Area: 6961
Amount: 0.003226
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:58:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

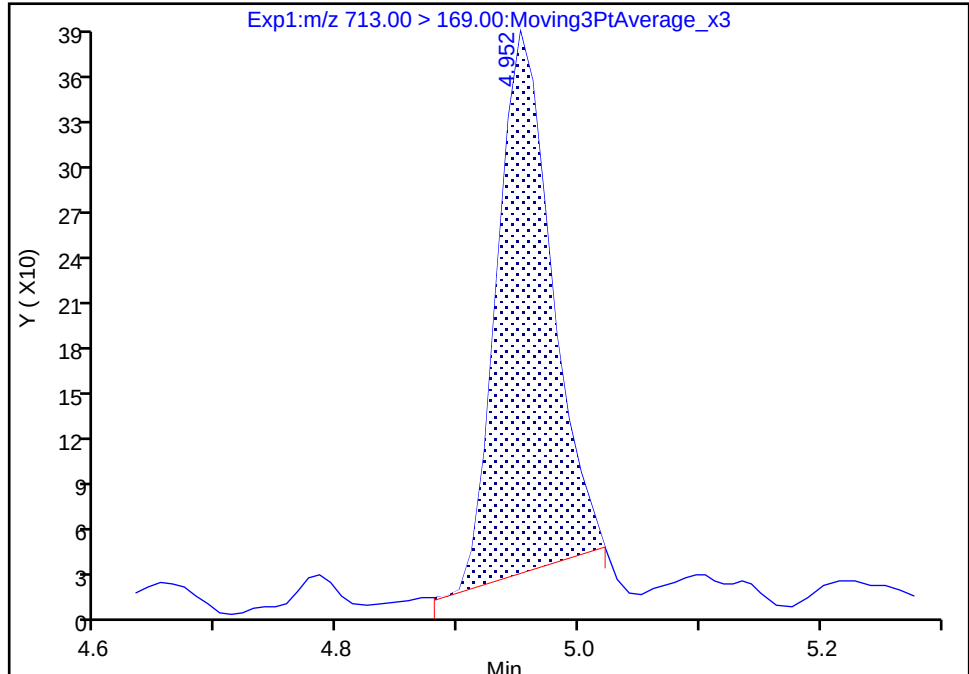
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B20.d
Injection Date: 19-Dec-2022 20:47:24 Instrument ID: LC812
Lims ID: 460-271302-A-4-A Lab Sample ID: 200-271302-4
Client ID: BCS-21-16_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

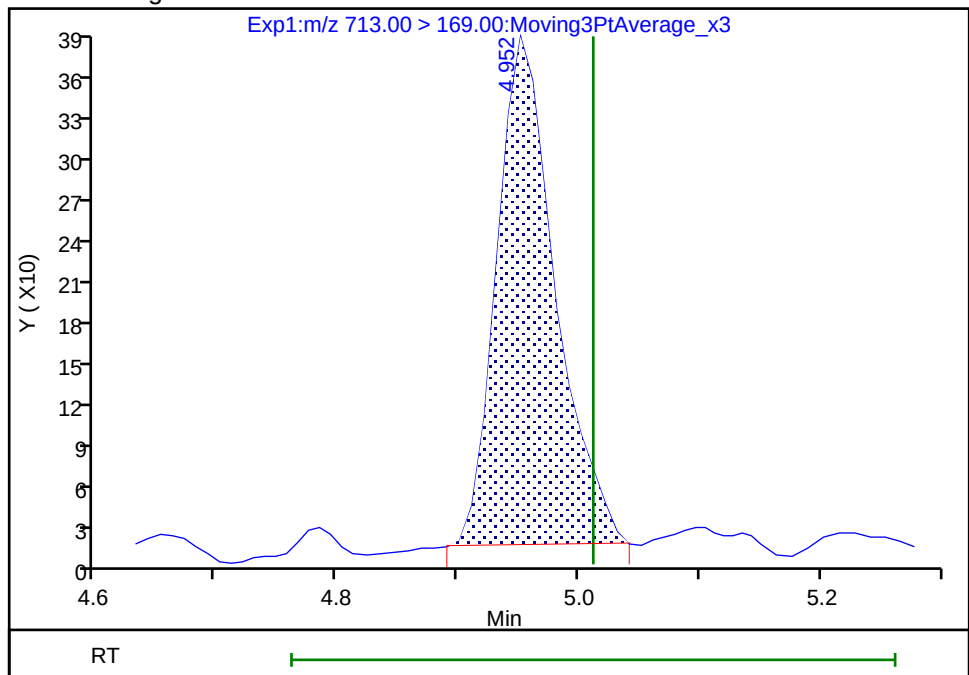
RT: 4.95
Area: 1116
Amount: 0.004212
Amount Units: ng/ml

Processing Integration Results



RT: 4.95
Area: 1248
Amount: 0.004711
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:58:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

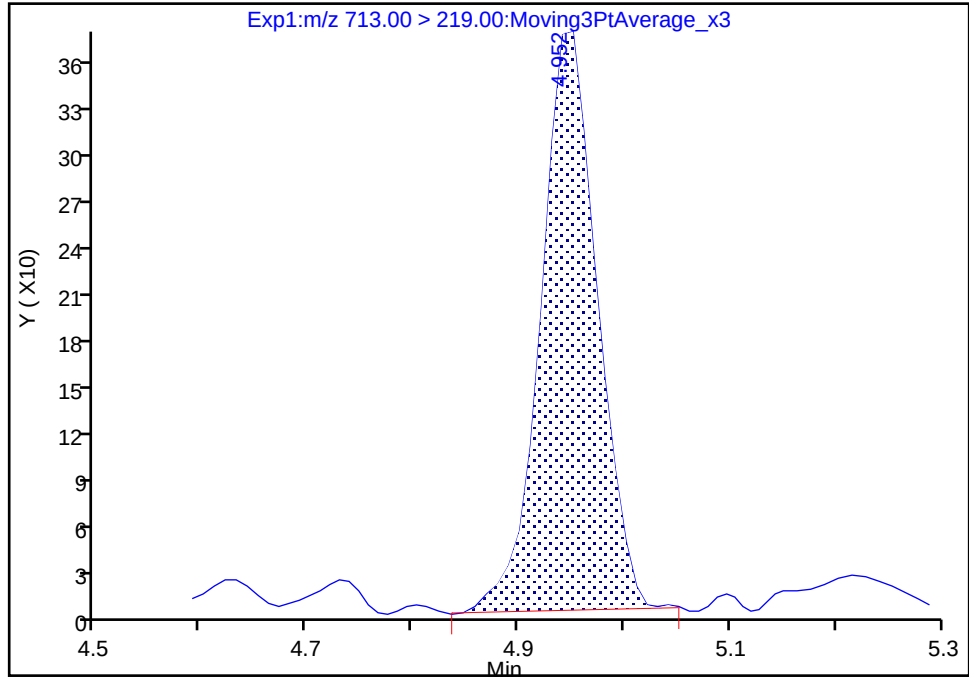
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B20.d
Injection Date: 19-Dec-2022 20:47:24 Instrument ID: LC812
Lims ID: 460-271302-A-4-A Lab Sample ID: 200-271302-4
Client ID: BCS-21-16_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

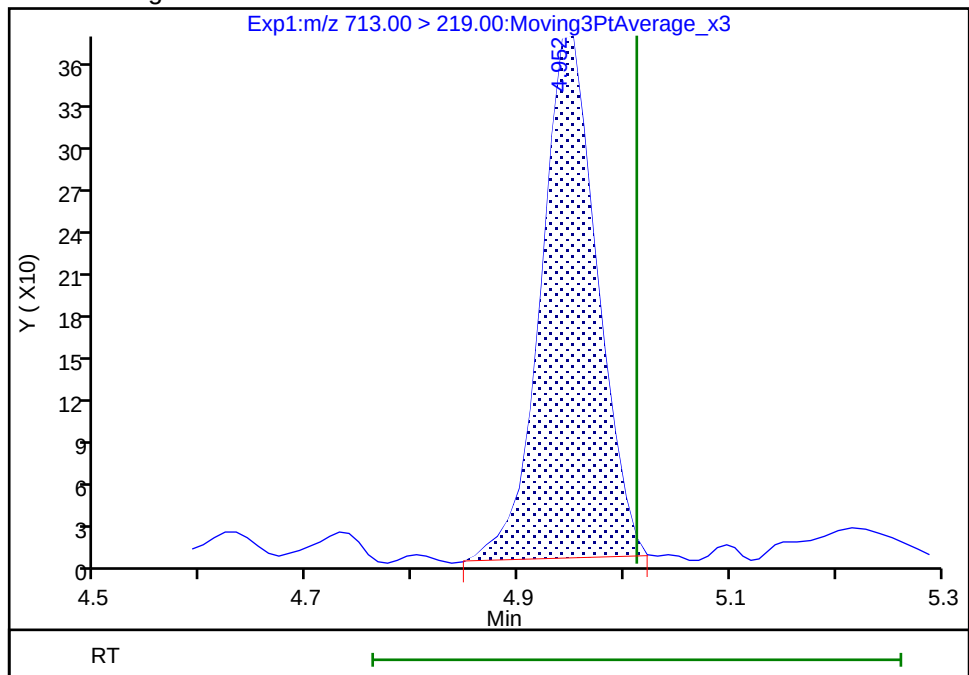
RT: 4.95
Area: 1375
Amount: 0.004212
Amount Units: ng/ml

Processing Integration Results



RT: 4.95
Area: 1360
Amount: 0.004711
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:58:34

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

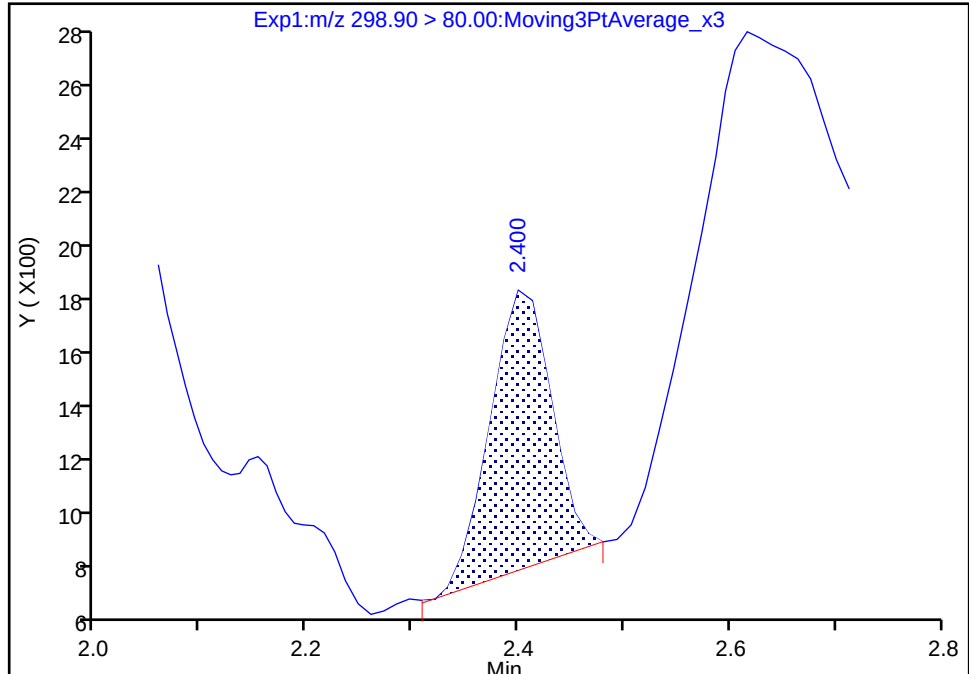
Data File:	\\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B20.d				
Injection Date:	19-Dec-2022 20:47:24	Instrument ID:	LC812		
Lims ID:	460-271302-A-4-A	Lab Sample ID:	200-271302-4		
Client ID:	BCS-21-16_(13-13.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection 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

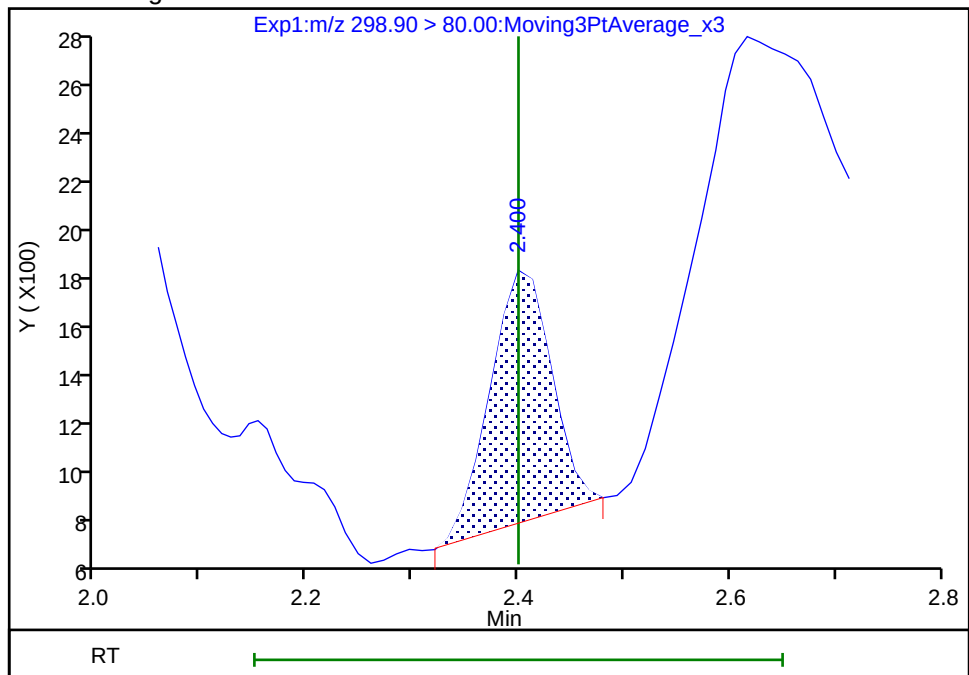
RT: 2.40
Area: 4059
Amount: 0.001880
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 4048
Amount: 0.001875
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:55:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

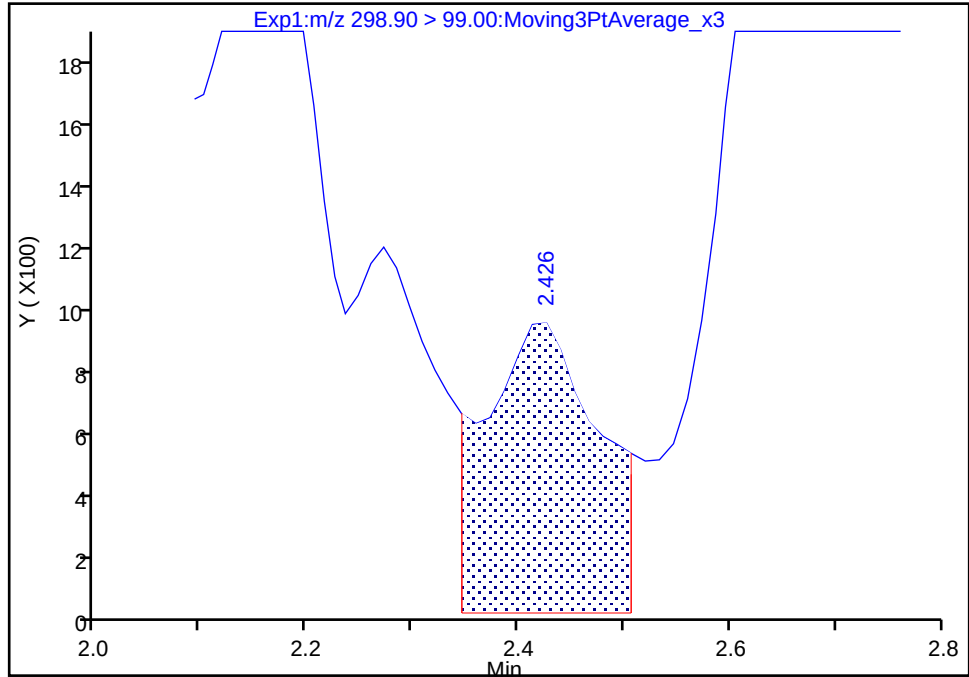
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B20.d
Injection Date: 19-Dec-2022 20:47:24 Instrument ID: LC812
Lims ID: 460-271302-A-4-A Lab Sample ID: 200-271302-4
Client ID: BCS-21-16_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 20.0 ul 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

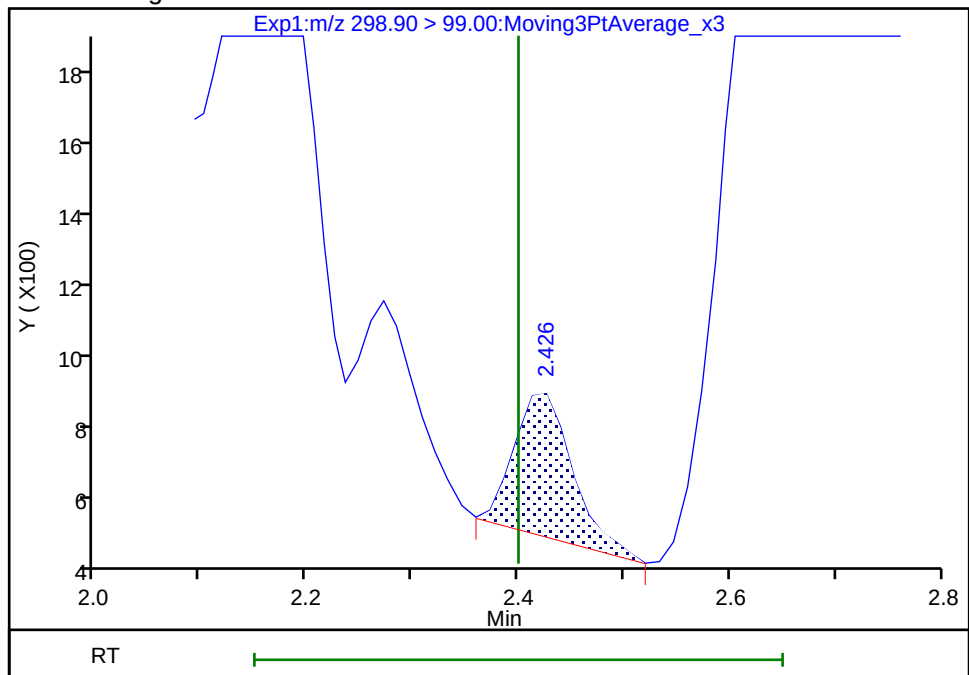
RT: 2.43
Area: 6877
Amount: 0.001880
Amount Units: ng/ml

Processing Integration Results



RT: 2.43
Area: 1436
Amount: 0.001875
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:56:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

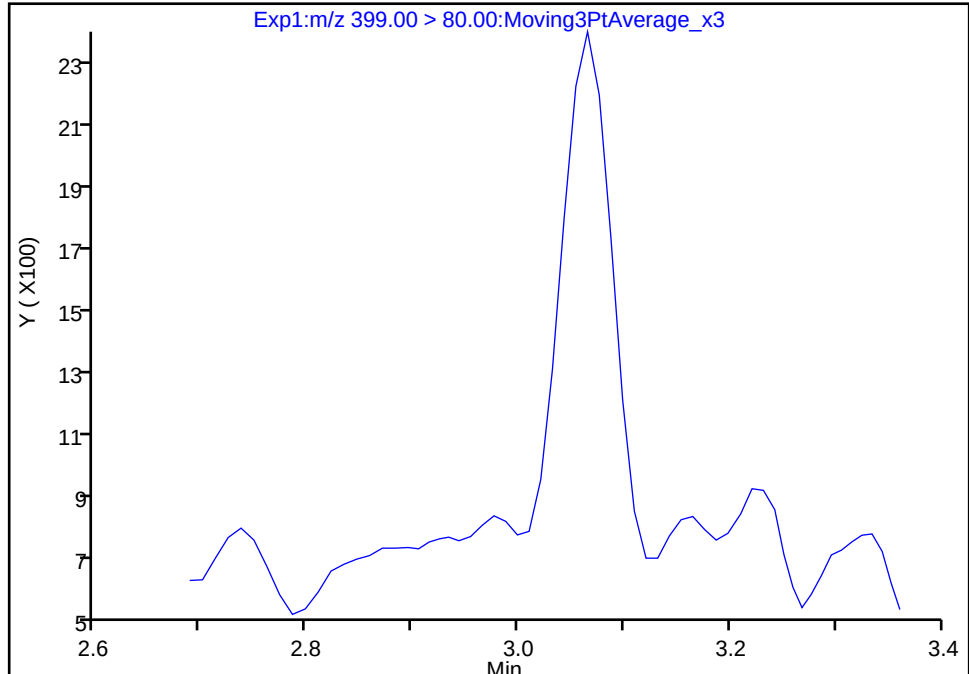
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B20.d
Injection Date: 19-Dec-2022 20:47:24 Instrument ID: LC812
Lims ID: 460-271302-A-4-A Lab Sample ID: 200-271302-4
Client ID: BCS-21-16_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

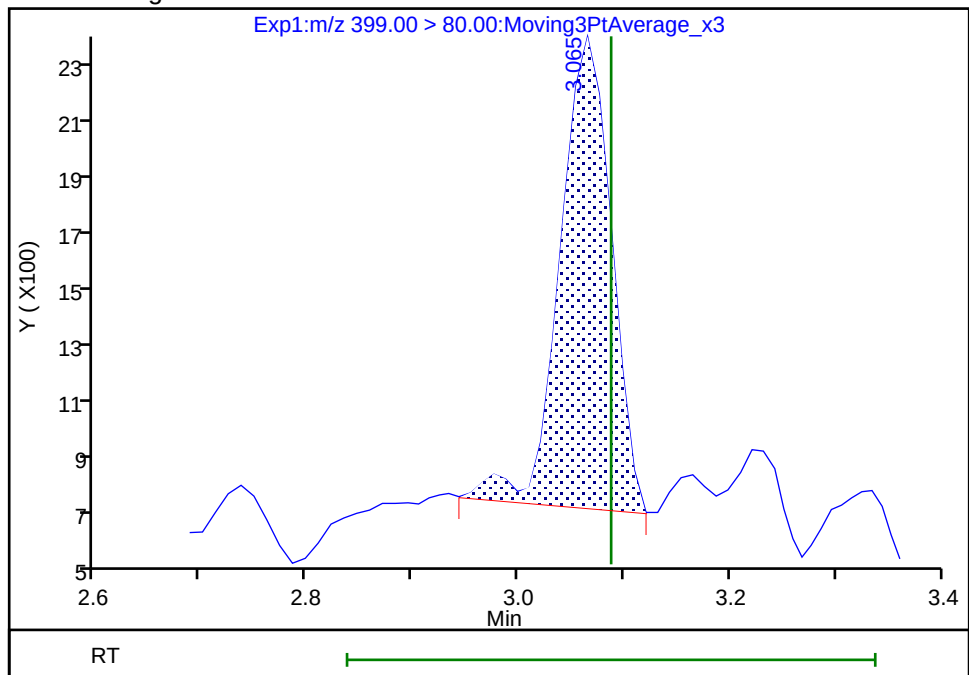
Not Detected
Expected RT: 3.09

Processing Integration Results



Manual Integration Results

RT: 3.07
Area: 5446
Amount: 0.003438
Amount Units: ng/ml



Reviewer: khanphomeea, 20-Dec-2022 14:56:10

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

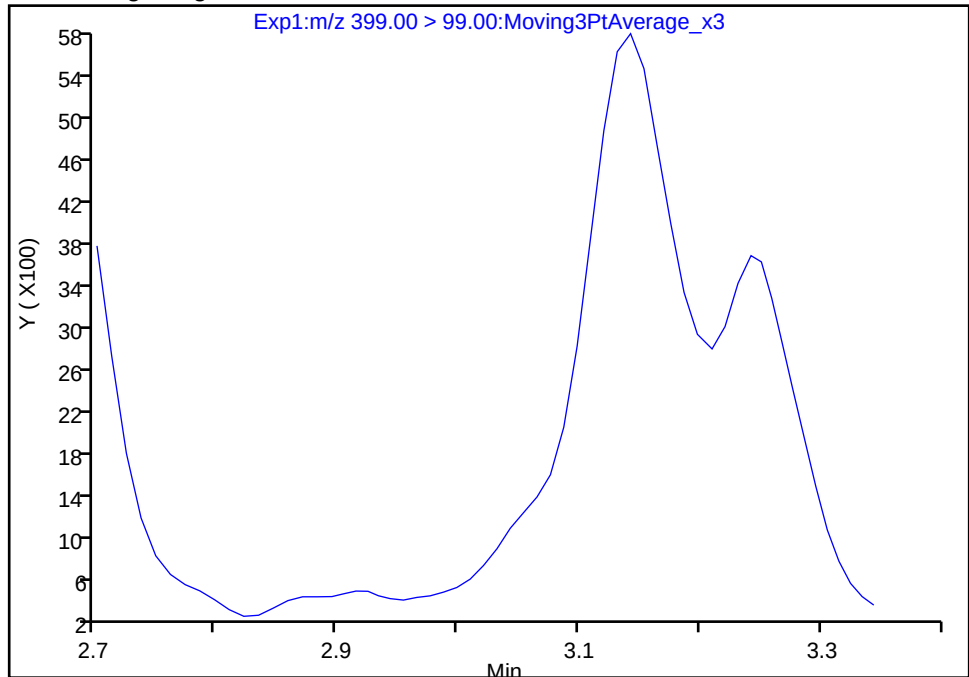
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B20.d
Injection Date: 19-Dec-2022 20:47:24 Instrument ID: LC812
Lims ID: 460-271302-A-4-A Lab Sample ID: 200-271302-4
Client ID: BCS-21-16_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

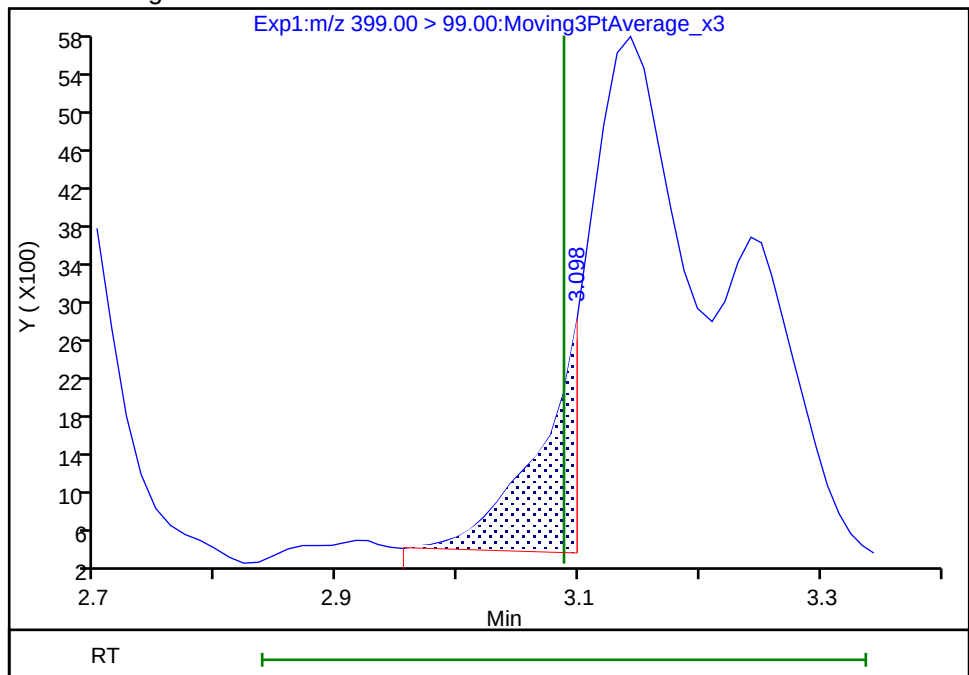
Not Detected
Expected RT: 3.09

Processing Integration Results



Manual Integration Results

RT: 3.10
Area: 5375
Amount: 0.003438
Amount Units: ng/ml



Reviewer: khanphomeea, 20-Dec-2022 14:56:24

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

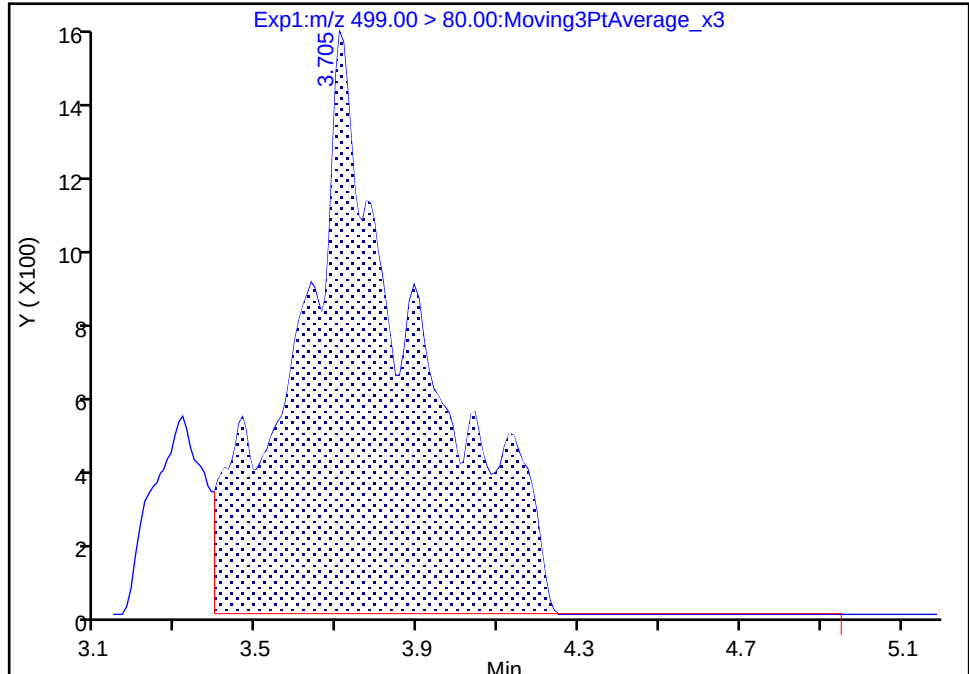
Data File:	\\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B20.d				
Injection Date:	19-Dec-2022 20:47:24	Instrument ID:	LC812		
Lims ID:	460-271302-A-4-A	Lab Sample ID:	200-271302-4		
Client ID:	BCS-21-16_(13-13.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection 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

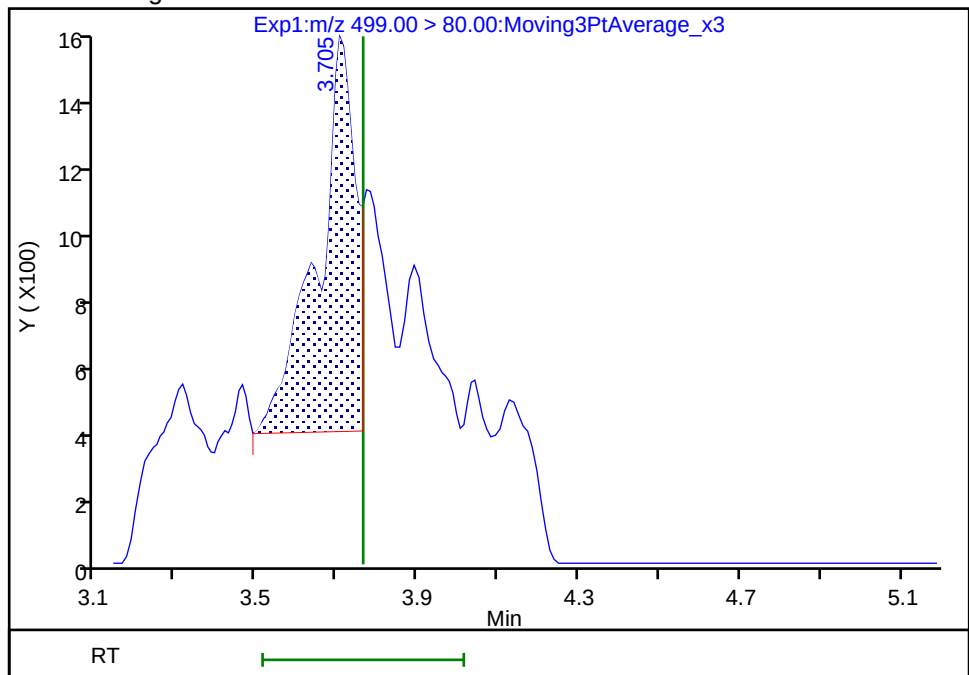
RT: 3.71
Area: 33275
Amount: 0.030143
Amount Units: ng/ml

Processing Integration Results



RT: 3.71
Area: 7796
Amount: 0.007062
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:57:12

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

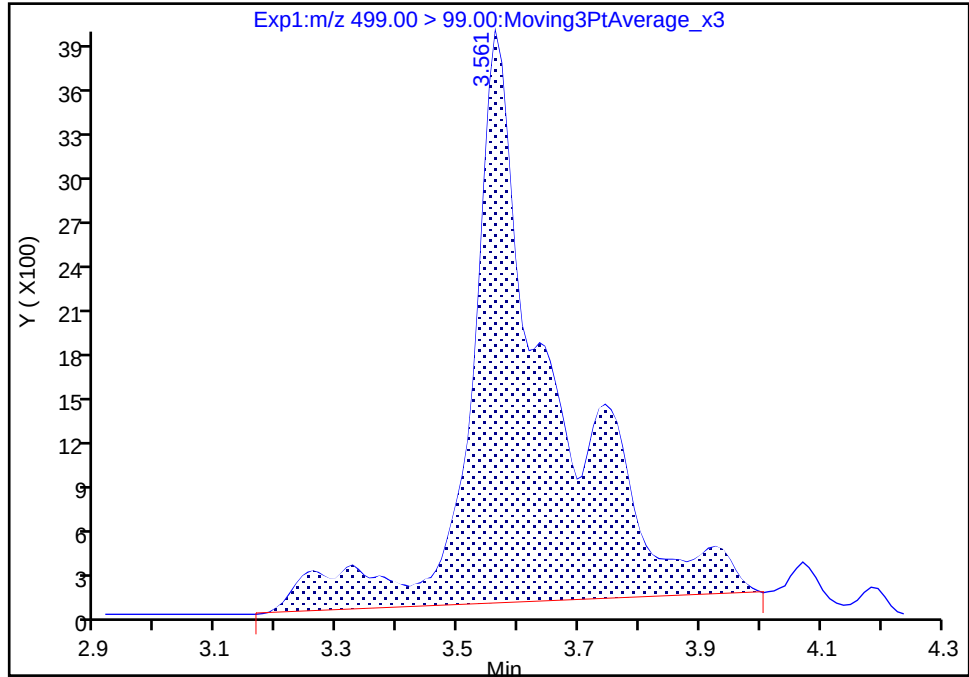
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B20.d
Injection Date: 19-Dec-2022 20:47:24 Instrument ID: LC812
Lims ID: 460-271302-A-4-A Lab Sample ID: 200-271302-4
Client ID: BCS-21-16_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 20.0 ul 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

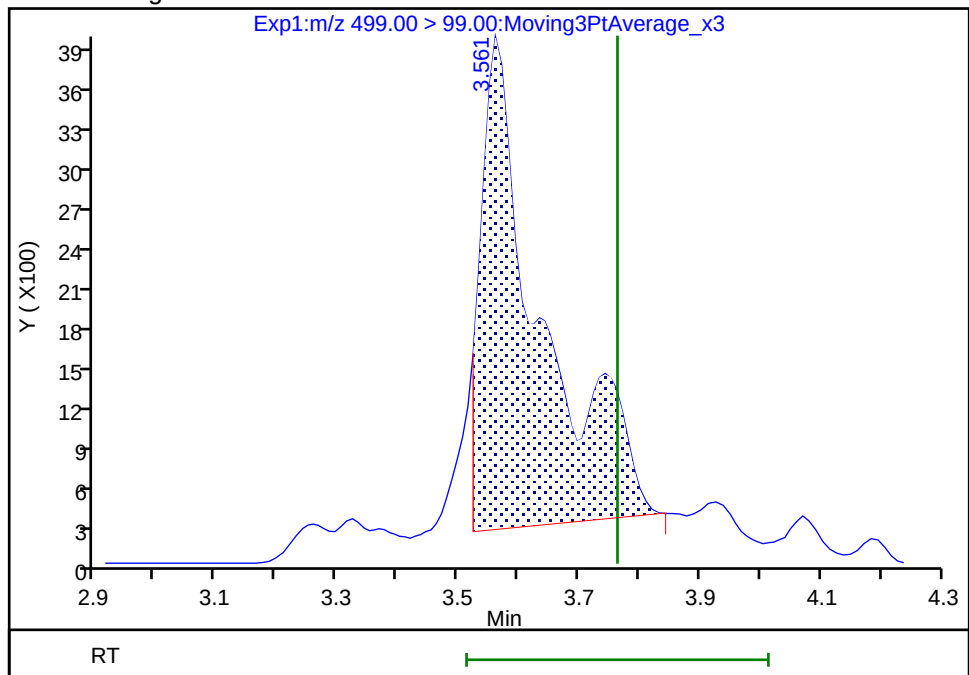
RT: 3.56
Area: 36894
Amount: 0.030143
Amount Units: ng/ml

Processing Integration Results



RT: 3.56
Area: 25072
Amount: 0.007062
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:57:30

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

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12/27/2022

2:52 PM

Eurofins Burlington

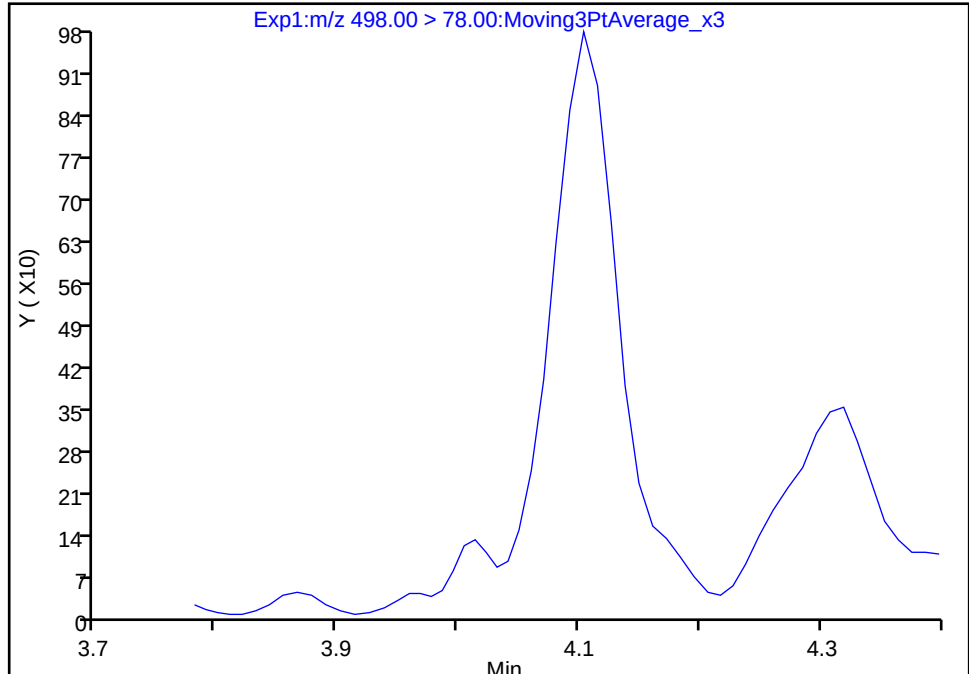
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B20.d
Injection Date: 19-Dec-2022 20:47:24 Instrument ID: LC812
Lims ID: 460-271302-A-4-A Lab Sample ID: 200-271302-4
Client ID: BCS-21-16_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

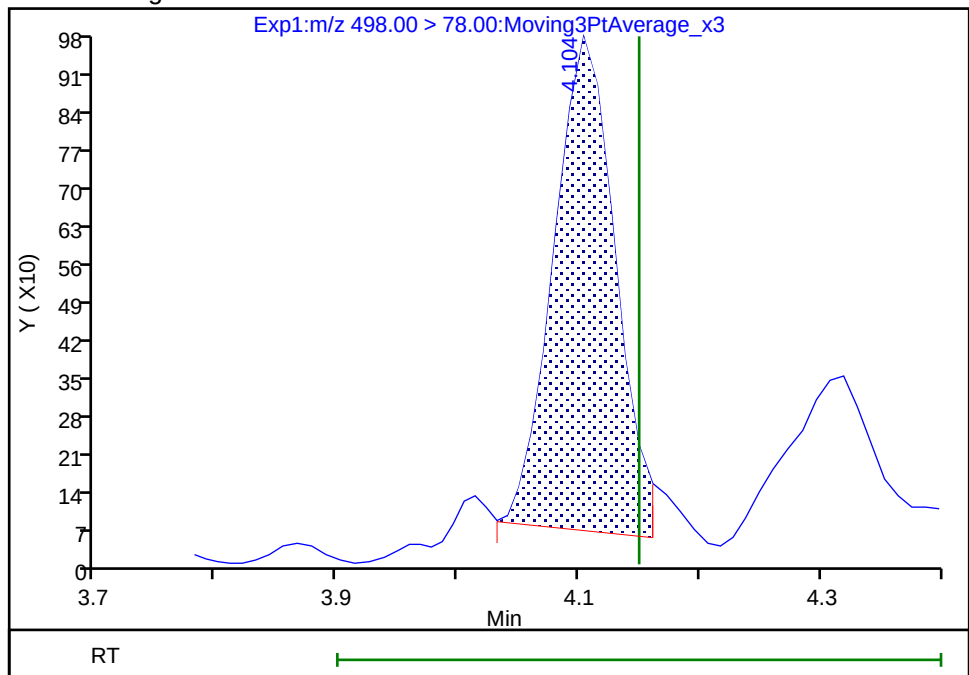
Signal: 1

Not Detected
Expected RT: 4.15

Processing Integration Results



Manual Integration Results



RT: 4.10
Area: 3227
Amount: 0.001906
Amount Units: ng/ml

Reviewer: khanphomeea, 20-Dec-2022 14:57:53

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

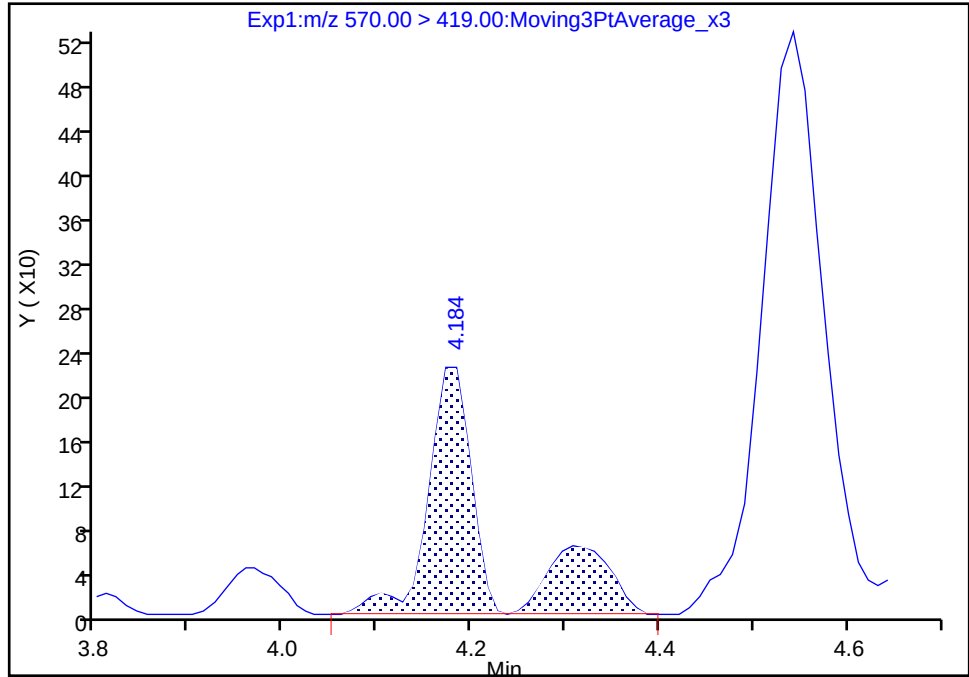
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B20.d
Injection Date: 19-Dec-2022 20:47:24 Instrument ID: LC812
Lims ID: 460-271302-A-4-A Lab Sample ID: 200-271302-4
Client ID: BCS-21-16_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

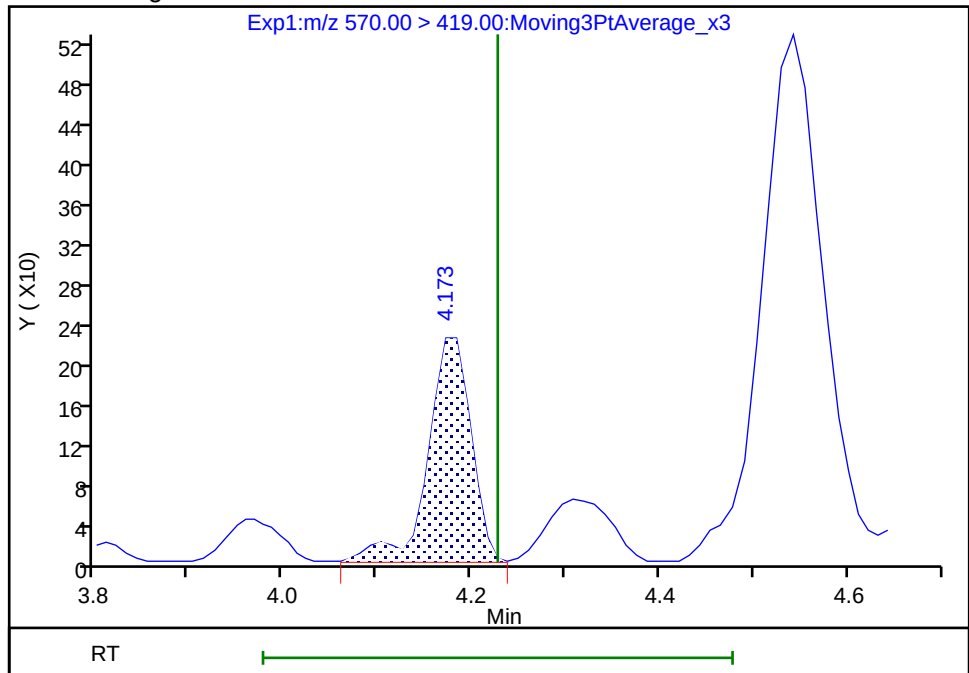
RT: 4.18
Area: 1001
Amount: -0.008885
Amount Units: ng/ml

Processing Integration Results



RT: 4.17
Area: 711
Amount: -0.009679
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:57:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

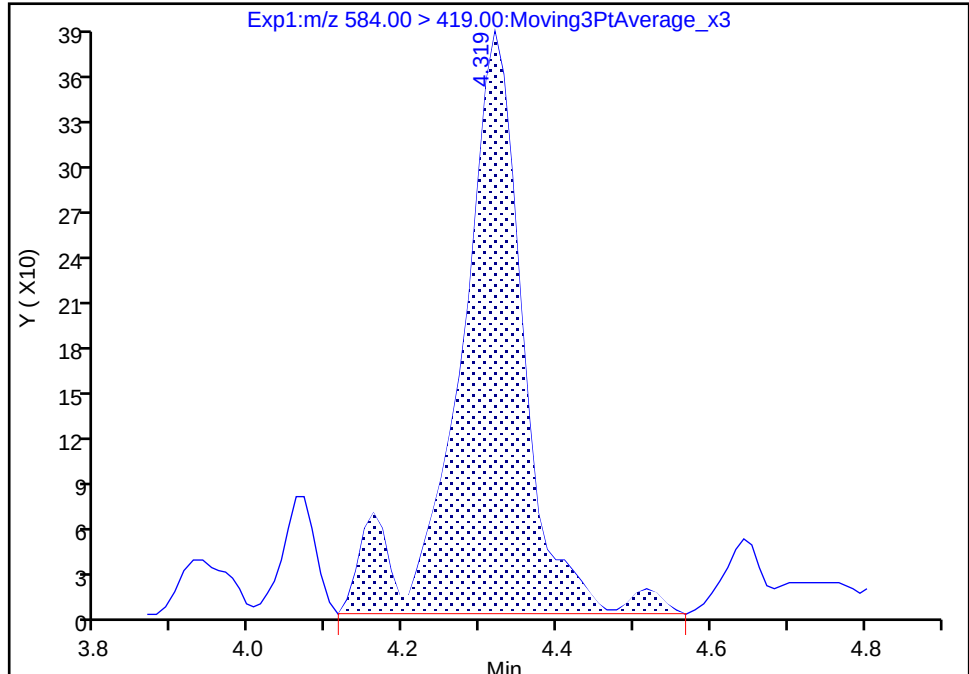
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B20.d
Injection Date: 19-Dec-2022 20:47:24 Instrument ID: LC812
Lims ID: 460-271302-A-4-A Lab Sample ID: 200-271302-4
Client ID: BCS-21-16_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

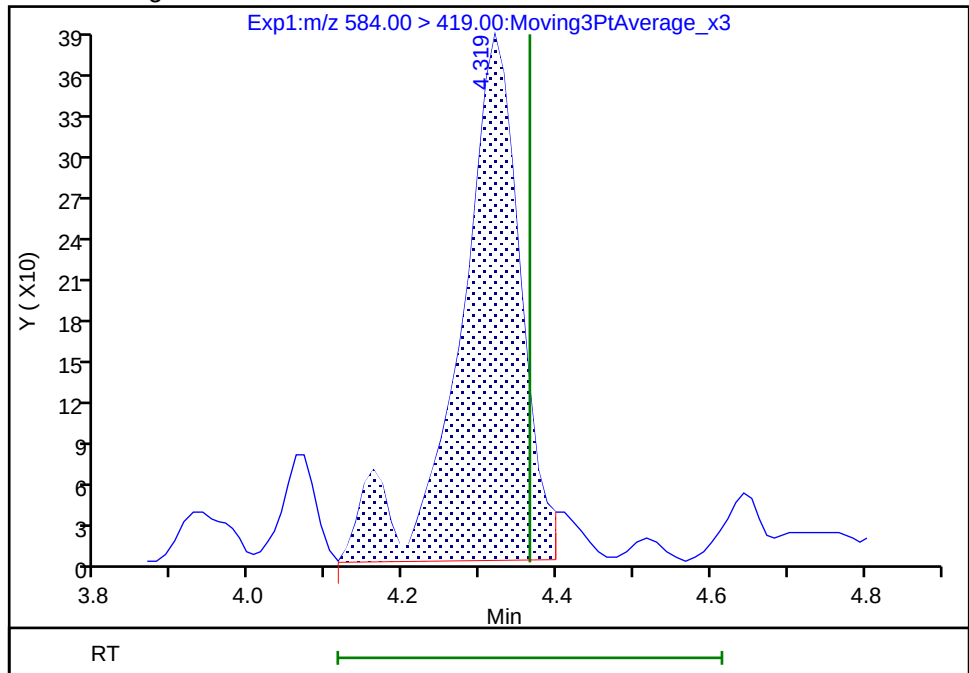
RT: 4.32
Area: 2273
Amount: 0.005060
Amount Units: ng/ml

Processing Integration Results



RT: 4.32
Area: 2119
Amount: 0.004717
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:58:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

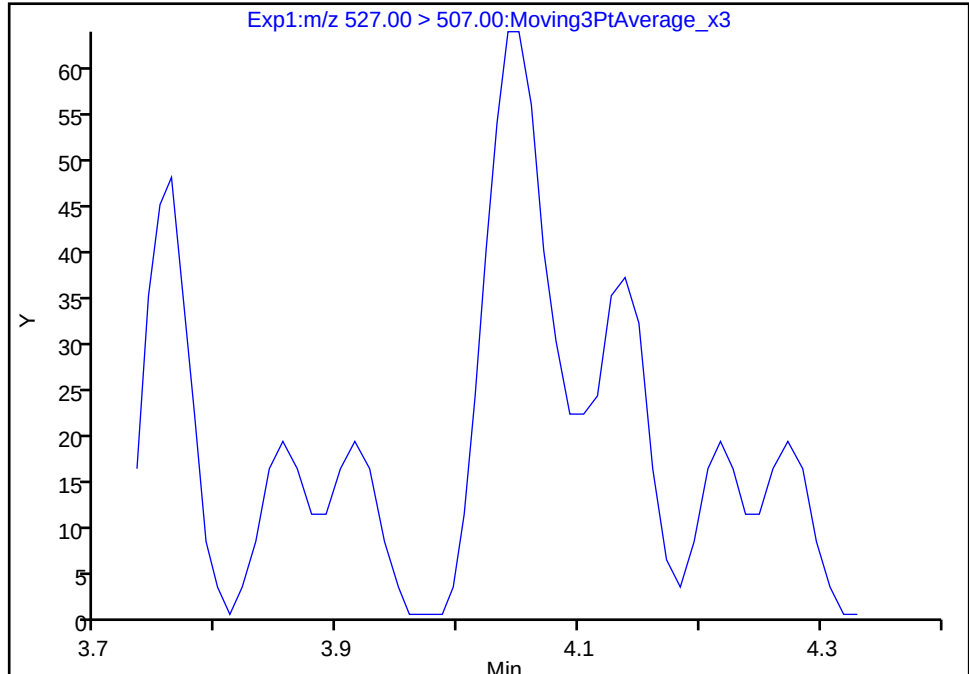
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B20.d
Injection Date: 19-Dec-2022 20:47:24 Instrument ID: LC812
Lims ID: 460-271302-A-4-A Lab Sample ID: 200-271302-4
Client ID: BCS-21-16_(13-13.5)P
Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

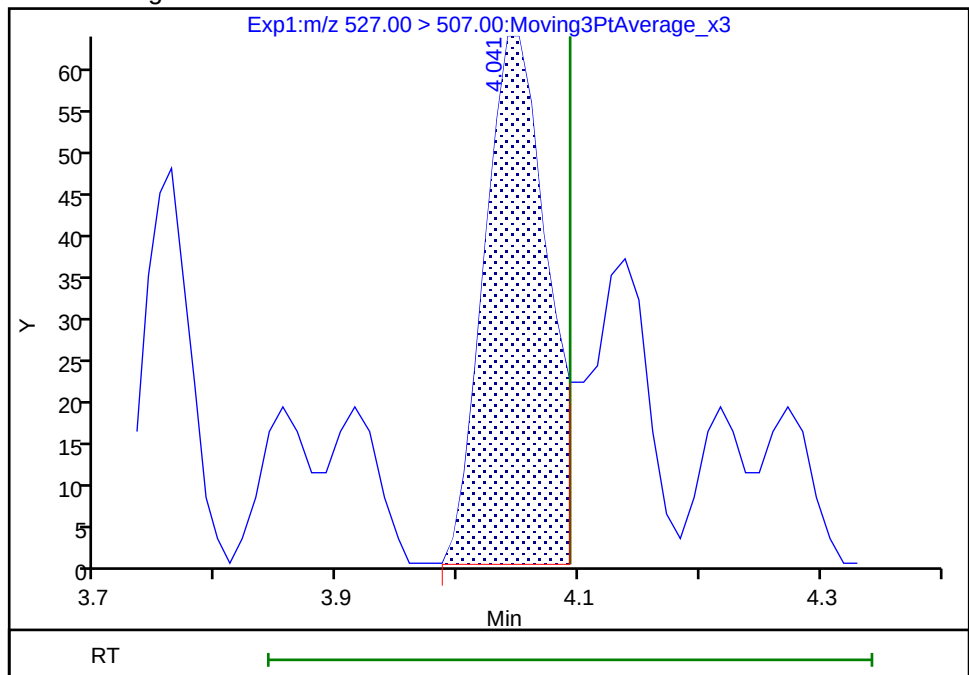
Signal: 1

Not Detected
Expected RT: 4.09

Processing Integration Results



Manual Integration Results



RT: 4.04
Area: 229
Amount: 0.000390
Amount Units: ng/ml

Reviewer: khanphomeea, 20-Dec-2022 14:57:44

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

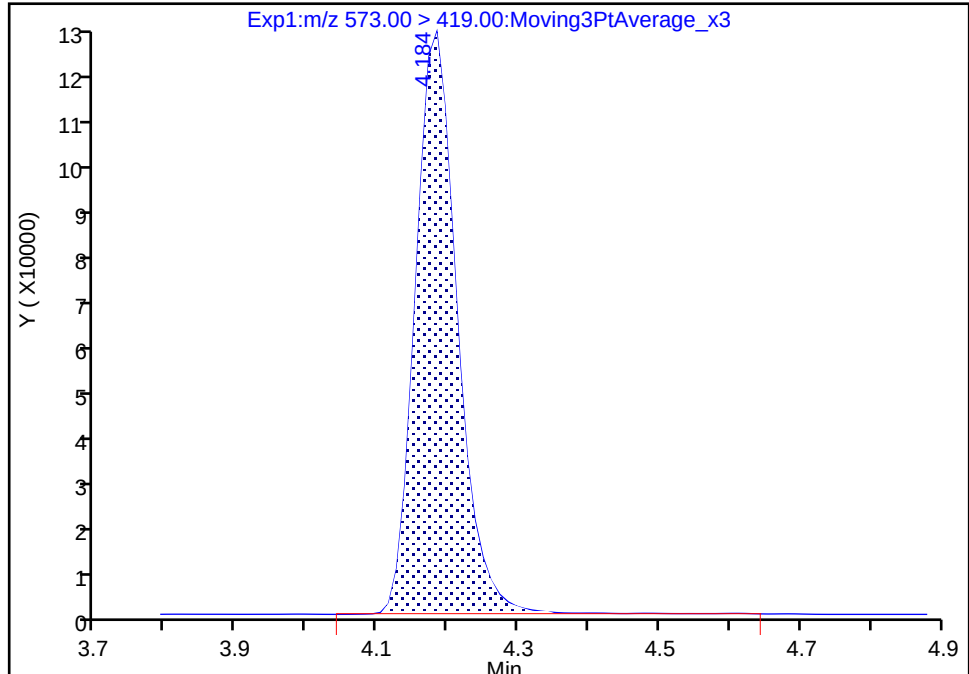
Data File:	\\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B20.d				
Injection Date:	19-Dec-2022 20:47:24	Instrument ID:	LC812		
Lims ID:	460-271302-A-4-A	Lab Sample ID:	200-271302-4		
Client ID:	BCS-21-16_(13-13.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

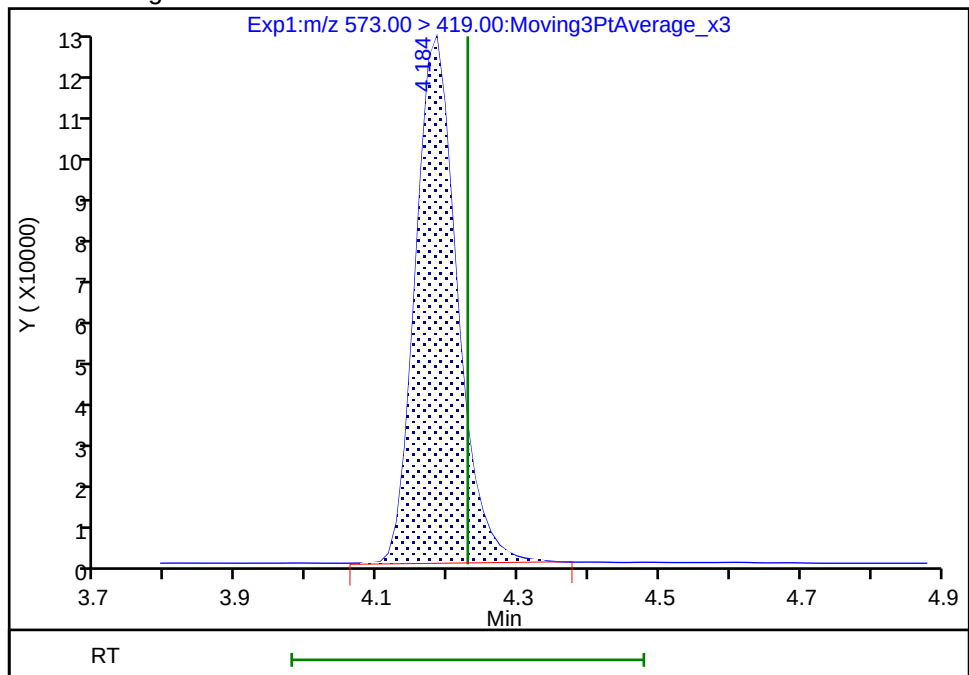
RT: 4.18
Area: 534704
Amount: 1.129054
Amount Units: ng/ml

Processing Integration Results



RT: 4.18
Area: 530519
Amount: 1.120218
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:55:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

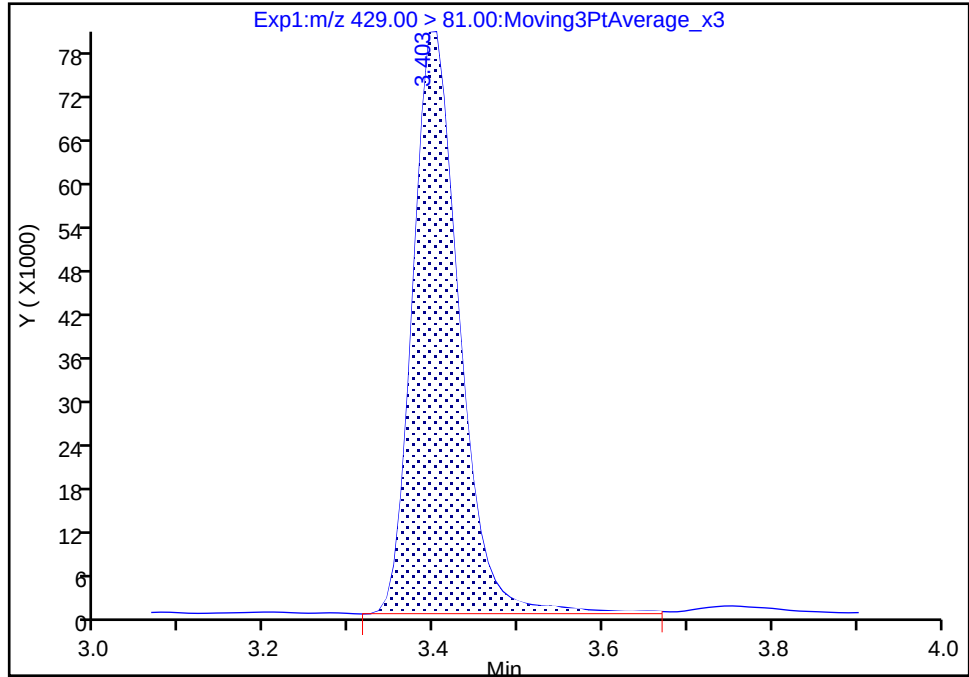
Data File:	\\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B20.d				
Injection Date:	19-Dec-2022 20:47:24	Instrument ID:	LC812		
Lims ID:	460-271302-A-4-A	Lab Sample ID:	200-271302-4		
Client ID:	BCS-21-16_(13-13.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	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

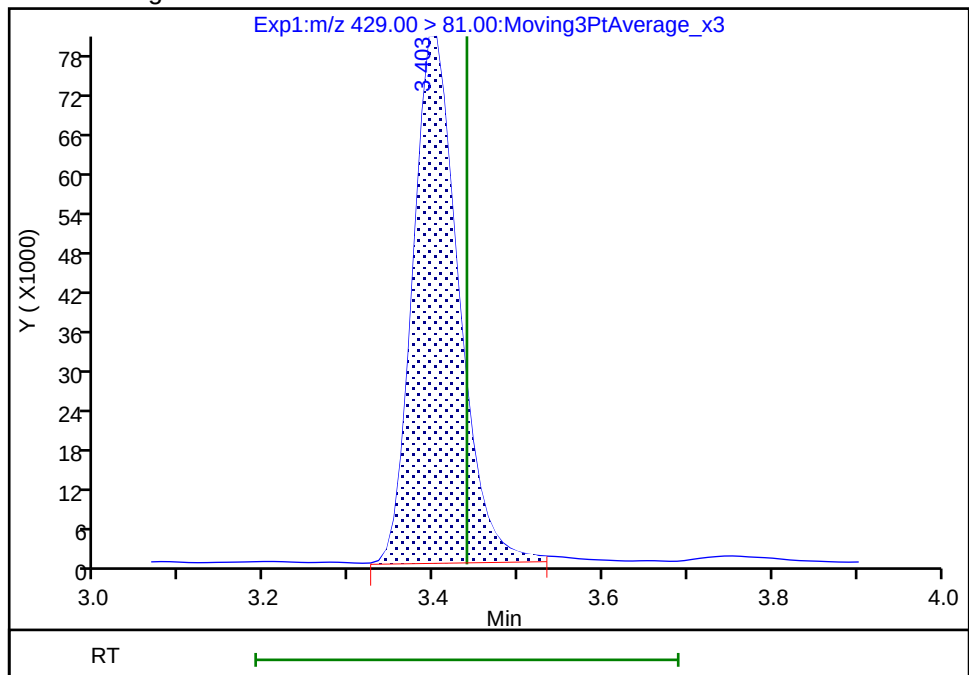
RT: 3.40
Area: 308793
Amount: 1.200118
Amount Units: ng/ml

Processing Integration Results



RT: 3.40
Area: 301759
Amount: 1.172781
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 14:55:03

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.: 460-271302-1 Analy Batch No.: 185958
SDG No.: _____

Instrument ID: LC812 GC Column: C-18 ID: 4.6(mm) Heated Purge: (Y/N) N
Calibration Start Date: 11/18/2022 14:29 Calibration End Date: 11/18/2022 15:10 Calibration ID: 49456

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-185958/5	PA221118ICAL05.d
Level 2	IC 200-185958/6	PA221118ICAL06.d
Level 3	IC 200-185958/7	PA221118ICAL07.d
Level 4	ICISAV 200-185958/8	PA221118ICAL08.d
Level 5	IC 200-185958/9	PA221118ICAL09.d
Level 6	IC 200-185958/10	PA221118ICAL10.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Perfluorobutanoic acid (PFBA)	1.1445 0.9264	1.1425	1.0785	0.9425	0.9528	AveI D		1.031 2				9.9		20.0			
Perfluoropentanoic acid (PFPeA)	1.1767 0.9853	1.2150	1.1316	1.0126	1.0178	AveI D		1.089 8				8.9		20.0			
Perfluorobutanesulfonic acid (PFBS)	1.2615 1.0797	1.2216	1.1599	1.0279	1.1141	AveI D		1.144 1				7.7		20.0			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	3.3006 2.8195	3.2444	3.2078	2.8919	3.0206	AveI D		3.080 8				6.5		20.0			
Perfluorohexanoic acid (PFHxA)	1.1712 0.9795	1.1611	1.1391	1.0360	1.0508	AveI D		1.089 6				7.2		20.0			
Perfluoropentanesulfonic acid (PFPeS)	1.4060 1.2589	1.3701	1.4318	1.2217	1.3242	AveI D		1.335 4				6.2		20.0			
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.0956 0.9993	1.1493	1.1537	0.9619	0.9757	AveI D		1.055 9				8.3		20.0			
Perfluorohexanesulfonic acid (PFHxS)	1.2166 1.0489	1.1225	1.1993	1.0590	1.1257	AveI D		1.128 7				6.1		20.0			
Perfluoroheptanoic acid (PFHpA)	1.1962 0.9763	1.1664	1.1666	1.0118	1.0154	AveI D		1.088 8				9.0		20.0			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	5.8732 4.4581	6.0703	5.9049	5.5037	5.2323	AveI D		5.507 1				10.9		20.0			
Perfluoroheptanesulfonic acid (PFHpS)	1.4534 1.2848	1.5083	1.4953	1.3259	1.3126	AveI D		1.396 7				7.2		20.0			
6:2 FTS	2.6430 2.1137	2.2601	2.3824	2.0273	2.1346	L1ID	0.025 1	2.112 5							0.9990		0.9900
Perfluorooctanoic acid (PFOA)	1.1586 0.9630	1.0893	1.1217	1.0385	1.0432	AveI D		1.069 0				6.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 460-271302-1 Analy Batch No.: 185958
SDG No.: _____
Instrument ID: LC812 GC Column: C-18 ID: 4.6(mm) Heated Purge: (Y/N) N
Calibration Start Date: 11/18/2022 14:29 Calibration End Date: 11/18/2022 15:10 Calibration ID: 49456

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Perfluorooctanesulfonic acid (PFOS)	1.3844 1.1060	1.3450	1.1741	1.1401	1.1472	AveI n		1.216 1				9.7		20.0			
Perfluorononanoic acid (PFNA)	1.0746 0.9714	1.0661	1.1036	0.9819	1.0265	AveI n		1.037 4				5.1		20.0			
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	2.9573 2.5142	2.9305	2.9507	2.7009	2.6934	AveI n		2.791 2				6.5		20.0			
Perfluorononanesulfonic acid (PFNS)	0.9829 0.8558	0.9757	0.9391	0.8663	0.8876	AveI n		0.917 9				6.1		20.0			
Perfluorodecanoic acid (PFDA)	1.1661 0.9356	1.1171	1.2688	1.0261	0.9931	AveI n		1.084 5				11.3		20.0			
8:2 FTS	1.6292 1.5472	1.6701	1.7320	1.5441	1.5795	AveI n		1.617 0				4.6		20.0			
Perfluorooctanesulfonamide (FOSA)	1.0869 0.9680	1.1382	1.0618	0.9865	1.0270	AveI n		1.044 7				6.1		20.0			
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.0455 0.8611	0.8925	0.9842	0.8638	0.8494	LLID	0.010 0	0.860 2							0.9990		0.9900
Perfluorodecanesulfonic acid (PFDS)	0.7474 0.6922	0.7456	0.7794	0.6770	0.7070	AveI n		0.724 8				5.4		20.0			
Perfluoroundecanoic acid (PFUnA)	1.0465 0.9002	1.0407	1.1264	0.9789	0.9541	AveI n		1.007 8				7.9		20.0			
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.9658 0.8407	0.9508	0.9147	0.8447	0.8547	AveI n		0.895 3				6.2		20.0			
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF)	4.6158 3.6495	4.6481	4.4955	4.2280	4.1787	AveI n		4.302 6				8.7		20.0			
Perfluorododecanoic acid (PFDoA)	1.1560 0.9277	1.1325	1.1436	1.0327	0.9642	AveI n		1.059 5				9.3		20.0			
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	1.0867 0.9589	0.9706	0.9716	0.9361	0.9064	AveI n		0.971 7				6.3		20.0			
Perfluorododecanesulfonic acid (PFDoS)	0.3227 0.2805	0.3244	0.3236	0.2924	0.2963	AveI n		0.306 7				6.3		20.0			
Perfluorotridecanoic acid (PFTriA)	1.0848 0.8766	1.0990	1.0994	0.9438	0.9757	AveI n		1.013 2				9.3		20.0			
Perfluorotetradecanoic acid (PFTeA)	0.1527 0.1272	0.1391	0.1459	0.1277	0.1289	AveI n		0.136 9				7.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 460-271302-1 Analy Batch No.: 185958

SDG No.: _____

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

Calibration Start Date: 11/18/2022 14:29 Calibration End Date: 11/18/2022 15:10 Calibration ID: 49456

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Perfluoro-n-hexadecanoic acid (PFHxDA)	1.1897 0.9218	1.0727	1.0421	0.8953	0.9216	L1ID	0.015 7	0.919 5							0.9990		0.9900
Perfluoro-n-octadecanoic acid (PFODA)	0.8440 0.7765	0.8293	0.9071	0.8076	0.7770	AveI n		0.823 6				6.0	20.0				
13C4 PFBA	1.1404 1.1799	1.0866	1.1024	1.0894	1.1315	Ave		1.121 7				3.2	50.0				
13C5 PFPeA	0.8620 0.8893	0.8105	0.8579	0.8500	0.8561	Ave		0.854 3				3.0	50.0				
13C3 PFBS	0.9374 0.9873	0.8930	0.9171	0.9137	0.9204	Ave		0.928 1				3.5	50.0				
M2-4:2 FTS	0.0877 0.0861	0.0797	0.0800	0.0778	0.0808	Ave		0.082 0				4.8	50.0				
13C2 PFHxA	0.8868 0.9110	0.8654	0.9101	0.8833	0.9139	Ave		0.895 1				2.2	50.0				
13C3 HFPO-DA	0.1502 0.1669	0.1484	0.1584	0.1602	0.1638	Ave		0.158 0				4.7	50.0				
18O2 PFHxS	0.6970 0.7163	0.6705	0.6515	0.6583	0.6633	Ave		0.676 1				3.7	50.0				
13C4 PFHpA	0.9332 0.9419	0.8781	0.8987	0.9124	0.9591	Ave		0.920 6				3.2	50.0				
M2-6:2 FTS	0.1194 0.1117	0.1128	0.1090	0.1129	0.1146	Ave		0.113 4				3.1	50.0				
13C4 PFOA	1.0534 1.0538	0.9967	1.0342	1.0066	1.0654	Ave		1.035 0				2.7	50.0				
13C4 PFOS	0.4599 0.4970	0.4445	0.4526	0.4349	0.4638	Ave		0.458 8				4.7	50.0				
13C5 PFNA	1.0139 1.0056	0.9936	0.9947	1.0127	1.0144	Ave		1.005 8				1.0	50.0				
13C2 PFDA	1.0047 1.0662	1.0261	0.9756	1.0248	1.0523	Ave		1.024 9				3.2	50.0				
M2-8:2 FTS	0.1424 0.1384	0.1349	0.1401	0.1347	0.1416	Ave		0.138 7				2.4	50.0				
13C8 FOSA	0.8552 0.9157	0.7991	0.8222	0.8078	0.8419	Ave		0.840 3				5.0	50.0				
d3-NMeFOSAA	0.2080 0.2288	0.2012	0.1948	0.2020	0.2172	Ave		0.208 7				6.0	50.0				

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PFAS BY ISOTOPIC DILUTION - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Burlington Job No.: 460-271302-1 Analy Batch No.: 185958

SDG No.: _____

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

Calibration Start Date: 11/18/2022 14:29 Calibration End Date: 11/18/2022 15:10 Calibration ID: 49456

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
13C2 PFUnA	0.9739 0.9407	0.8915	0.9322	0.9386	0.9543	Ave		0.938 5				2.9		50.0			
d5-NETfOSAA	0.2016 0.2128	0.2027	0.2082	0.1978	0.2098	Ave		0.205 5				2.8		50.0			
13C2 PFDoA	0.9692 1.0059	0.9046	0.9388	0.9287	0.9901	Ave		0.956 2				4.1		50.0			
13C2 PFTeDA	0.8372 0.8524	0.8152	0.8139	0.7926	0.8509	Ave		0.827 0				2.9		50.0			
13C2 PFHxDA	1.0582 1.0482	1.0104	0.9816	0.9803	1.0561	Ave		1.022 5				3.6		50.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Burlington Job No.: 460-271302-1 Analy Batch No.: 185958

SDG No.: _____

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

Calibration Start Date: 11/18/2022 14:29 Calibration End Date: 11/18/2022 15:10 Calibration ID: 49456

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-185958/5	PA221118ICAL05.d
Level 2	IC 200-185958/6	PA221118ICAL06.d
Level 3	IC 200-185958/7	PA221118ICAL07.d
Level 4	ICISAV 200-185958/8	PA221118ICAL08.d
Level 5	IC 200-185958/9	PA221118ICAL09.d
Level 6	IC 200-185958/10	PA221118ICAL10.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Perfluorobutanoic acid (PFBA)		AveI D	117447 18287579	236091	1137760	1911392	5105461	0.0500 10.0	0.100	0.500	1.00	2.50
Perfluoropentanoic acid (PFPeA)		AveI D	91274 14659532	187282	929016	1602160	4126130	0.0500 10.0	0.100	0.500	1.00	2.50
Perfluorobutanesulfonic acid (PFBS)		AveI D	94070 15764131	183390	899900	1545417	4292437	0.0442 8.84	0.0884	0.442	0.884	2.21
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)		AveI D	24335 3793564	45908	229433	391113	1079231	0.0467 9.34	0.0934	0.467	0.934	2.34
Perfluorohexanoic acid (PFHxA)		AveI D	93459 14928997	191103	992048	1703495	4547952	0.0500 10.0	0.100	0.500	1.00	2.50
Perfluoropentanesulfonic acid (PFPeS)		AveI D	82717 14151584	163879	837304	1404230	3901605	0.0469 9.38	0.0938	0.469	0.938	2.35
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)		AveI D	14811 2790710	32429	174879	286947	756781	0.0500 10.0	0.100	0.500	1.00	2.50
Perfluorohexanesulfonic acid (PFHxS)		AveI D	69439 11438488	130263	680406	1180858	3217665	0.0455 9.10	0.0910	0.455	0.910	2.28
Perfluoroheptanoic acid (PFHpA)		AveI D	100453 15384783	194803	1003322	1718424	4611900	0.0500 10.0	0.100	0.500	1.00	2.50

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

Lab Name: Eurofins Burlington Job No.: 460-271302-1 Analy Batch No.: 185958

SDG No.: _____

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

Calibration Start Date: 11/18/2022 14:29 Calibration End Date: 11/18/2022 15:10 Calibration ID: 49456

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		AveI D	228953 34921387	483450	2408962	4197219	10824421	0.0471 9.42	0.0942	0.471	0.942	2.36
Perfluoroheptanesulfonic acid (PFHpS)		AveI D	57260 10171074	121399	616490	1021904	2744265	0.0476 9.52	0.0952	0.476	0.952	2.38
6:2 FTS		L1ID	26914 3743844	45963	235479	404018	1097897	0.0474 9.48	0.0948	0.474	0.948	2.37
Perfluorooctanoic acid (PFOA)		AveI D	109826 16977289	206480	1110144	1946044	5263268	0.0500 10.0	0.100	0.500	1.00	2.50
Perfluorooctanesulfonic acid (PFOS)		AveI D	53166 8534676	105528	471879	856526	2338057	0.0464 9.28	0.0928	0.464	0.928	2.32
Perfluorononanoic acid (PFNA)		AveI D	98046 16342622	201460	1050495	1851038	4930997	0.0500 10.0	0.100	0.500	1.00	2.50
9-Chlorohexadecafluoro-3-oxanona ne-1-sulfonic acid (9Cl-PF3O		AveI D	114059 19485090	230911	1190983	2037918	5512960	0.0466 9.32	0.0932	0.466	0.932	2.33
Perfluorononanesulfonic acid (PFNS)		AveI D	39049 6831873	79193	390435	673297	1871298	0.0480 9.60	0.0960	0.480	0.960	2.40
Perfluorodecanoic acid (PFDA)		AveI D	105421 16688874	217999	1184639	1957474	4948756	0.0500 10.0	0.100	0.500	1.00	2.50
8:2 FTS		AveI D	20003 3431863	41049	222425	370895	1014644	0.0479 9.58	0.0958	0.479	0.958	2.40
Perfluorooctanesulfonamide (FOSA)		AveI D	83641 14828965	172977	835408	1483356	4094524	0.0500 10.0	0.100	0.500	1.00	2.50
N-methylperfluorooctanesulfonami doacetic acid (NMeFOSAA)		L1ID	19570 3297027	34156	183478	324897	873622	0.0500 10.0	0.100	0.500	1.00	2.50

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

Lab Name: Eurofins Burlington Job No.: 460-271302-1 Analy Batch No.: 185958

SDG No.: _____

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

Calibration Start Date: 11/18/2022 14:29 Calibration End Date: 11/18/2022 15:10 Calibration ID: 49456

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Perfluorodecanesulfonic acid (PFDS)		AveI D	29817 5548668	60768	325384	528363	1496790	0.0482 9.64	0.0964	0.482	0.964	2.41
Perfluoroundecanoic acid (PFUnA)		AveI D	91713 14168517	176444	1004863	1710346	4311823	0.0500 10.0	0.100	0.500	1.00	2.50
N-ethylperfluorooctanesulfonamid oacetic acid (NEtFOSAA)		AveI D	17526 2992748	36650	182262	311108	848987	0.0500 10.0	0.100	0.500	1.00	2.50
11-Chloroeicosafuoro-3-oxaundec ane-1-sulfonic acid (11Cl-PF		AveI D	179935 28587798	370183	1834007	3224328	8644779	0.0471 9.42	0.0942	0.471	0.942	2.36
Perfluorododecanoic acid (PFDoA)		AveI D	100823 15612916	194829	1027352	1785384	4520955	0.0500 10.0	0.100	0.500	1.00	2.50
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)		AveI D	13425 2140218	24005	125547	226266	585886	0.0482 9.64	0.0964	0.482	0.964	2.41
Perfluorododecanesulfonic acid (PFDoS)		AveI D	12927 2258006	26552	135657	229113	629893	0.0484 9.68	0.0968	0.484	0.968	2.42
Perfluorotridecanoic acid (PFTriA)		AveI D	94610 14753486	189059	987678	1631703	4574880	0.0500 10.0	0.100	0.500	1.00	2.50
Perfluorotetradecanoic acid (PFTeA)		AveI D	11500 1813608	21567	113607	188468	519386	0.0500 10.0	0.100	0.500	1.00	2.50
Perfluoro-n-hexadecanoic acid (PFHxDA)		L1ID	113285 16164958	206119	978907	1633724	4609177	0.0500 10.0	0.100	0.500	1.00	2.50
Perfluoro-n-octadecanoic acid (PFODA)		AveI D	80369 13617092	159361	852104	1473641	3885994	0.0500 10.0	0.100	0.500	1.00	2.50
13C4 PFBA	13PF OA	Ave	2565506 2467565	2583086	2637410	2534911	2679202	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.: 460-271302-1 Analy Batch No.: 185958

SDG No.: _____

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

Calibration Start Date: 11/18/2022 14:29 Calibration End Date: 11/18/2022 15:10 Calibration ID: 49456

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
13C5 PFPeA	13PF OA	Ave	1939262 1859782	1926794	2052396	1977830	2026955	1.25 1.25	1.25	1.25	1.25	1.25
13C3 PFBS	13PF OA	Ave	1961265 1920108	1974243	2040575	1977208	2026741	1.16 1.16	1.16	1.16	1.16	1.16
M2-4:2 FTS	13PF OA	Ave	184320 168186	176875	178810	169056	178646	1.17 1.17	1.17	1.17	1.17	1.17
13C2 PFHxA	13PF OA	Ave	1995025 1905245	2057289	2177304	2055340	2164012	1.25 1.25	1.25	1.25	1.25	1.25
13C3 HFPO-DA	13PF OA	Ave	337960 349067	352715	378942	372889	387831	1.25 1.25	1.25	1.25	1.25	1.25
18O2 PFHxS	13PF OA	Ave	1483321 1417084	1507942	1474490	1449028	1485775	1.18 1.18	1.18	1.18	1.18	1.18
13C4 PFHpA	13PF OA	Ave	2099356 1969787	2087570	2150118	2123066	2271049	1.25 1.25	1.25	1.25	1.25	1.25
M2-6:2 FTS	13PF OA	Ave	255115 221871	254748	247623	249636	257709	1.19 1.19	1.19	1.19	1.19	1.19
13C4 PFOA	13PF OA	Ave	2369880 2203793	2369406	2474245	2342274	2522753	1.25 1.25	1.25	1.25	1.25	1.25
13C4 PFOS	13PF OA	Ave	989045 993714	1010315	1035061	967441	1049764	1.20 1.20	1.20	1.20	1.20	1.20
13C5 PFNA	13PF OA	Ave	2280957 2102974	2362013	2379680	2356501	2401890	1.25 1.25	1.25	1.25	1.25	1.25
13C2 PFDA	13PF OA	Ave	2260154 2229691	2439344	2334094	2384612	2491665	1.25 1.25	1.25	1.25	1.25	1.25

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

Lab Name: Eurofins Burlington Job No.: 460-271302-1 Analy Batch No.: 185958

SDG No.: _____

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

Calibration Start Date: 11/18/2022 14:29 Calibration End Date: 11/18/2022 15:10 Calibration ID: 49456

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
M2-8:2 FTS	13PF OA	Ave	306939 277266	307241	321045	300249	321188	1.20 1.20	1.20	1.20	1.20	1.20
13C8 FOSA	13PF OA	Ave	1923900 1914897	1899612	1967036	1879604	1993351	1.25 1.25	1.25	1.25	1.25	1.25
d3-NMeFOSAA	13PF OA	Ave	467975 478582	478399	466044	470154	514239	1.25 1.25	1.25	1.25	1.25	1.25
13C2 PFUnA	13PF OA	Ave	2191050 1967361	2119319	2230172	2183949	2259671	1.25 1.25	1.25	1.25	1.25	1.25
d5-NEtFOSAA	13PF OA	Ave	453643 444955	481823	498173	460360	496655	1.25 1.25	1.25	1.25	1.25	1.25
13C2 PFDoA	13PF OA	Ave	2180352 2103698	2150435	2245926	2161023	2344331	1.25 1.25	1.25	1.25	1.25	1.25
13C2 PFTeDA	13PF OA	Ave	1883348 1782548	1938056	1947280	1844360	2014799	1.25 1.25	1.25	1.25	1.25	1.25
13C2 PFHxDA	13PF OA	Ave	2380608 2191999	2401907	2348434	2280992	2500657	1.25 1.25	1.25	1.25	1.25	1.25

Curve Type Legend

Ave = Average ISTD
AveID = Average isotope dilution
L1ID = Linear 1/conc IsoDil

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 18-Nov-2022 14:29:54 ALS Bottle#: 2 Worklist Smp#: 5
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 200-0053396-005 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 18-Nov-2022 15:37:20 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1602

First Level Reviewer: Z1IP

Date: 18-Nov-2022 14:49:08

Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags

D 1 13C4 PFBA

217.00 > 172.00 2.076 2.076 0.0 0.602 2565506 1.27 102 10150

2 Perfluorobutanoic acid

212.90 > 169.00 2.085 2.076 0.009 1.004 117447 0.0555 111 11.2 M

D 3 13C5 PFPeA

267.90 > 223.00 2.386 2.387 -0.001 0.692 1939262 1.26 101 4262

4 Perfluoropentanoic acid

262.90 > 219.00 2.386 2.387 -0.001 1.000 91274 0.0540 108 2.4 M

D 47 13C3 PFBS

301.90 > 80.00 2.400 2.400 0.0 0.696 1961265 1.17 101 318346

5 Perfluorobutanesulfonic acid

298.90 > 80.00 2.413 2.400 0.013 1.006 94070 0.0487 Target=2.14 110 139 M

298.90 > 99.00 2.400 2.400 0.0 1.000 40889 2.30(1.07-3.21) 110 29.8 M

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

327.00 > 307.00 2.701 2.689 0.012 1.005 24335 0.0500 107 375

D 60 M2-4:2 FTS

329.00 > 81.00 2.689 2.689 0.0 0.780 184320 1.25 107 185

D 7 13C2 PFHxA

315.00 > 270.00 2.725 2.725 0.0 0.790 1995025 1.24 99.1 4548

6 Perfluorohexanoic acid

313.00 > 269.00 2.737 2.725 0.012 1.004 93459 0.0537 Target=13.44 107 17.7 M

313.00 > 119.00 2.725 2.725 0.0 1.000 7632 12.25(6.72-20.15) 107 13.3 M

70 Perfluoropentanesulfonic acid

349.00 > 80.00 2.737 2.737 0.0 0.887 82717 0.0494 Target=2.98 105 219

349.00 > 99.00 2.737 2.737 0.0 0.887 28613 2.89(1.49-4.47) 105 68.8

D 64 13C3 HFPO-DA

287.00 > 169.00 2.835 2.835 0.0 0.822 337960 1.19 95.1 3479

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.835	2.835	0.0	1.000	14811	0.0519		104	87.4	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.088	3.088	0.0	0.896	1483321	1.22		103	2964	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.099	3.088	0.011	1.004	69439	0.0490	Target=3.57	108	101	
399.00 > 99.00	3.088	3.088	0.0	1.000	19455		3.57(1.78-5.35)	108	25.2	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.099	3.099	0.0	0.899	2099356	1.27		101	5220	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.099	3.099	0.0	1.000	100453	0.0549	Target=3.93	110	21.8	M
363.00 > 169.00	3.099	3.099	0.0	1.000	25626		3.92(1.96-5.89)	110	58.2	M
77 DONA										
377.00 > 251.00	3.132	3.132	0.0	0.832	228953	0.0502	Target=3.08	107	363	
377.00 > 85.00	3.132	3.132	0.0	0.832	75160		3.05(1.54-4.62)	107	131	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.439	3.439	0.0	0.997	255115	1.25		105	800	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.439	3.439	0.0	1.000	26914	0.0474		100	78.5	
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.439	3.439	0.0	0.914	57260	0.0495	Target=5.16	104	228	M
449.00 > 99.00	3.439	3.439	0.0	0.914	10494		5.46(2.58-7.74)	104	48.9	M
D 14 13C4 PFOA										
417.00 > 372.00	3.448	3.448	0.0	1.000	2369880	1.27		102	7932	
* 62 13C2 PFOA										
415.00 > 370.00	3.448	3.448	0.0		2249687	1.25			7146	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.448	3.448	0.0	1.000	109826	0.0542	Target=2.82	108	8.5	
413.00 > 169.00	3.448	3.448	0.0	1.000	38701		2.84(1.41-4.23)	108	61.5	
D 18 13C4 PFOS										
503.00 > 80.00	3.764	3.764	0.0	1.092	989045	1.20		100	2554	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.764	3.764	0.0	1.000	53166	0.0528	Target=5.01	114	12.5	M
499.00 > 99.00	3.764	3.764	0.0	1.000	9421		5.64(2.50-7.51)	114	10.5	M
D 19 13C5 PFNA										
468.00 > 423.00	3.783	3.783	0.0	1.097	2280957	1.26		101	2314	
20 Perfluorononanoic acid										M
463.00 > 419.00	3.783	3.783	0.0	1.000	98046	0.0518	Target=8.49	104	21.5	M
463.00 > 169.00	3.783	3.783	0.0	1.000	12273		7.99(4.25-12.74)	104	132	
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.928	3.928	0.0	1.044	114059	0.0494		106	734	M
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.061	4.050	0.011	1.079	39049	0.0514	Target=2.60	107	385	
549.00 > 99.00	4.061	4.050	0.011	1.079	14345		2.72(1.30-3.90)	107	108	
D 23 13C2 PFDA										
515.00 > 470.00	4.081	4.081	0.0	1.184	2260154	1.23		98.0	9579	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.081	4.081	0.0	1.000	105421	0.0538	Target=10.03	108	53.0	M
513.00 > 169.00	4.081	4.081	0.0	1.000	10453		10.09(5.02-15.05)	108	18.9	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.093	4.093	0.0	1.187	306939	1.23		103	1357	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.093	4.093	0.0	1.000	20003	0.0483		101	186	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.150	4.150	0.0	1.000	83641	0.0520		104	226	
D 21 13C8 FOSA										
506.00 > 78.00	4.150	4.150	0.0	1.204	1923900	1.27		102	2597	
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.228	4.228	0.0	1.226	467975	1.25		99.7	1170	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.228	4.228	0.0	1.000	19570	0.0491		98.3	48.2	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.331	4.331	0.0	1.151	29817	0.0497	Target=2.58	103	240	M
599.00 > 99.00	4.331	4.331	0.0	1.151	11494		2.59(1.29-3.86)	103	114	M
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.353	4.353	0.0	1.000	91713	0.0519	Target=10.10	104	46.8	
563.00 > 169.00	4.365	4.353	0.012	1.003	8638		10.62(5.05-15.15)	104	80.5	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.353	4.353	0.0	1.263	2191050	1.30		104	5521	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.365	4.365	0.0	1.000	17526	0.0539		108	235	M
D 32 d5-NEtFOSAA										M
589.00 > 419.00	4.365	4.365	0.0	1.266	453643	1.23		98.1	938	M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.454	4.454	0.0	1.183	179935	0.0505		107	957	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.591	4.591	0.0	1.000	100823	0.0546	Target=7.41	109	7.8	
613.00 > 169.00	4.591	4.591	0.0	1.000	13273		7.60(3.70-11.11)	109	184	
D 36 13C2 PFDaA										
615.00 > 570.00	4.591	4.591	0.0	1.332	2180352	1.27		101	3632	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.612	4.612	0.0	1.127	13425	0.0539		112	191	
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.776	4.776	0.0	1.269	12927	0.0509	Target=0.51	105	191	
699.00 > 99.00	4.776	4.776	0.0	1.269	25803		0.50(0.25-0.76)	105	442	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.813	4.804	0.009	1.048	94610	0.0535	Target=5.40	107	8.2	M
663.00 > 169.00	4.813	4.804	0.009	1.048	16297		5.81(2.70-8.10)	107	99.4	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.012	5.012	0.0	1.000	11500	0.0558	Target=0.90	112	101	M
713.00 > 219.00	5.002	5.012	-0.010	0.998	12127		0.95(0.45-1.35)	112	152	
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.012	5.012	0.0	1.454	1883348	1.27		101	2254	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags

D 44 13C2 PFHxDA

815.00 > 770.00	5.367	5.367	0.0	1.557	2380608	1.29		103	5199	

45 Perfluorohexadecanoic acid

813.00 > 769.00	5.378	5.367	0.011	1.002	113285	0.0476	Target=5.85	95.2	11.0	

813.00 > 169.00	5.367	5.367	0.0	1.000	19229		5.89(2.93-8.78)	95.2	167	

46 Perfluorooctadecanoic acid

913.00 > 869.00	5.722	5.722	0.0	1.066	80369	0.0512	Target=6.30	102	9.4	

913.00 > 169.00	5.722	5.722	0.0	1.066	12582		6.39(3.15-9.46)	102	148	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC1_00014

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d

Injection Date: 18-Nov-2022 14:29:54

Instrument ID: LC812

Lims ID: IC

Client ID:

Operator ID: lc812tech

ALS Bottle#: 2

Worklist Smp#: 5

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

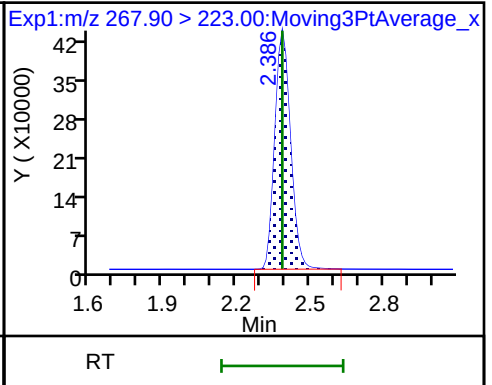
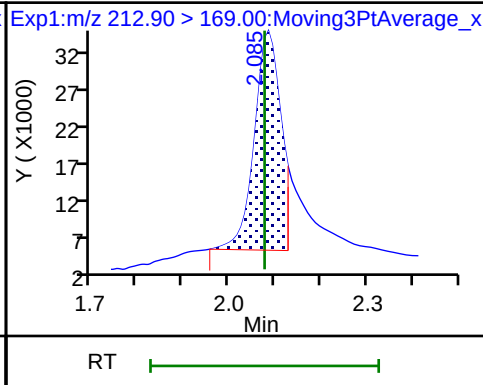
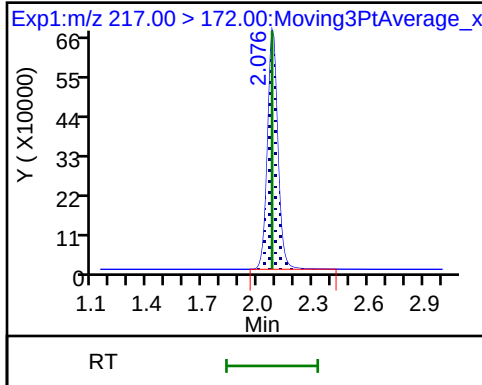
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

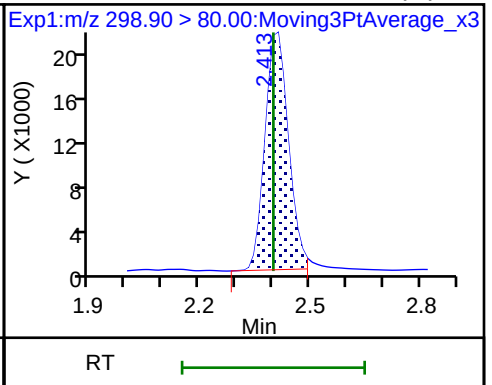
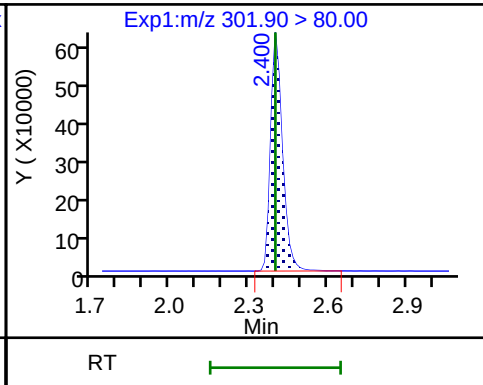
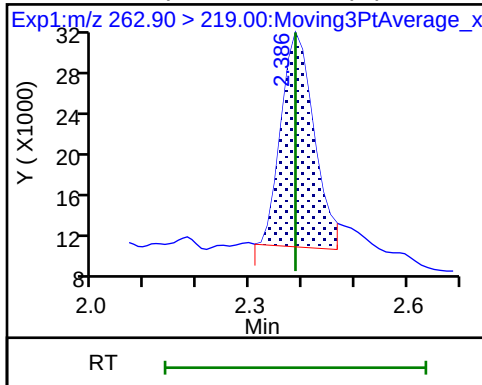
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

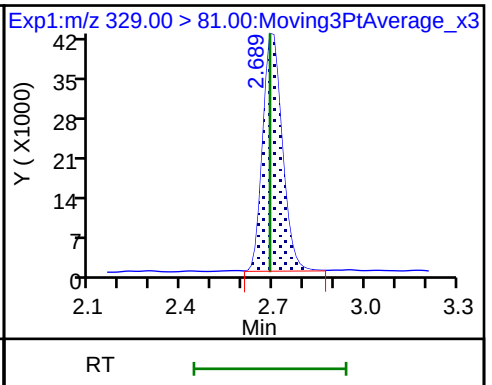
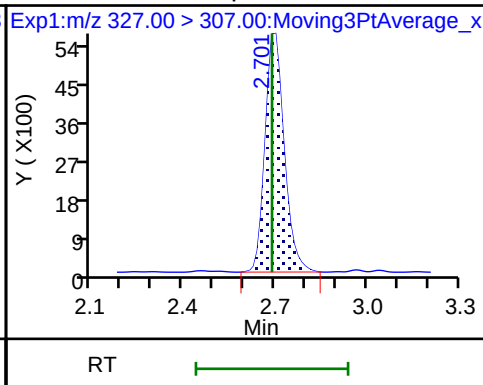
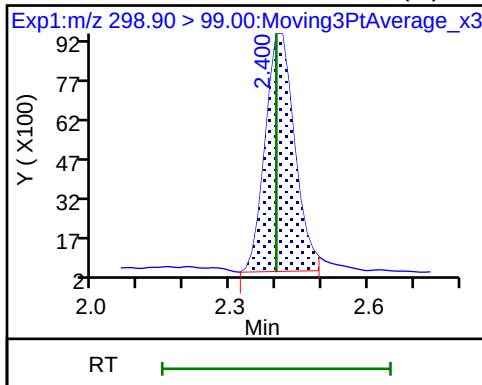
D 47 13C3 PFBS

5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

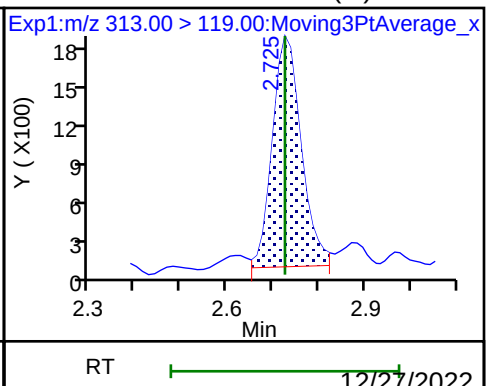
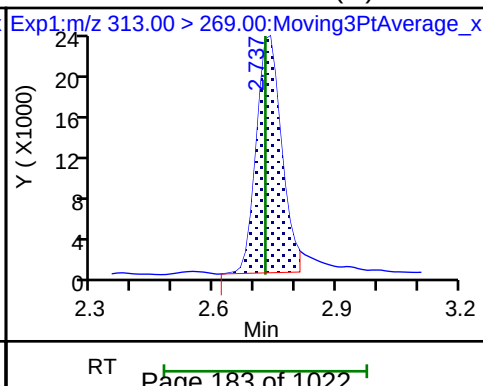
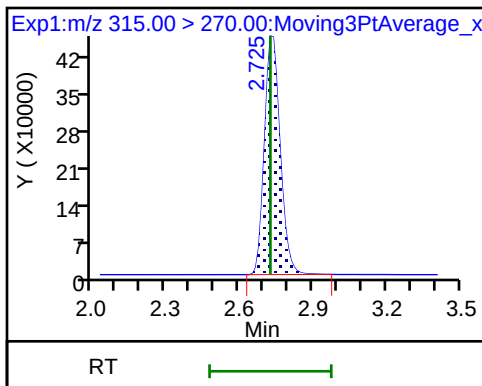
61 1H,1H,2H,2H-perfluorohexanesulfo D 60 M2-4:2 FTS

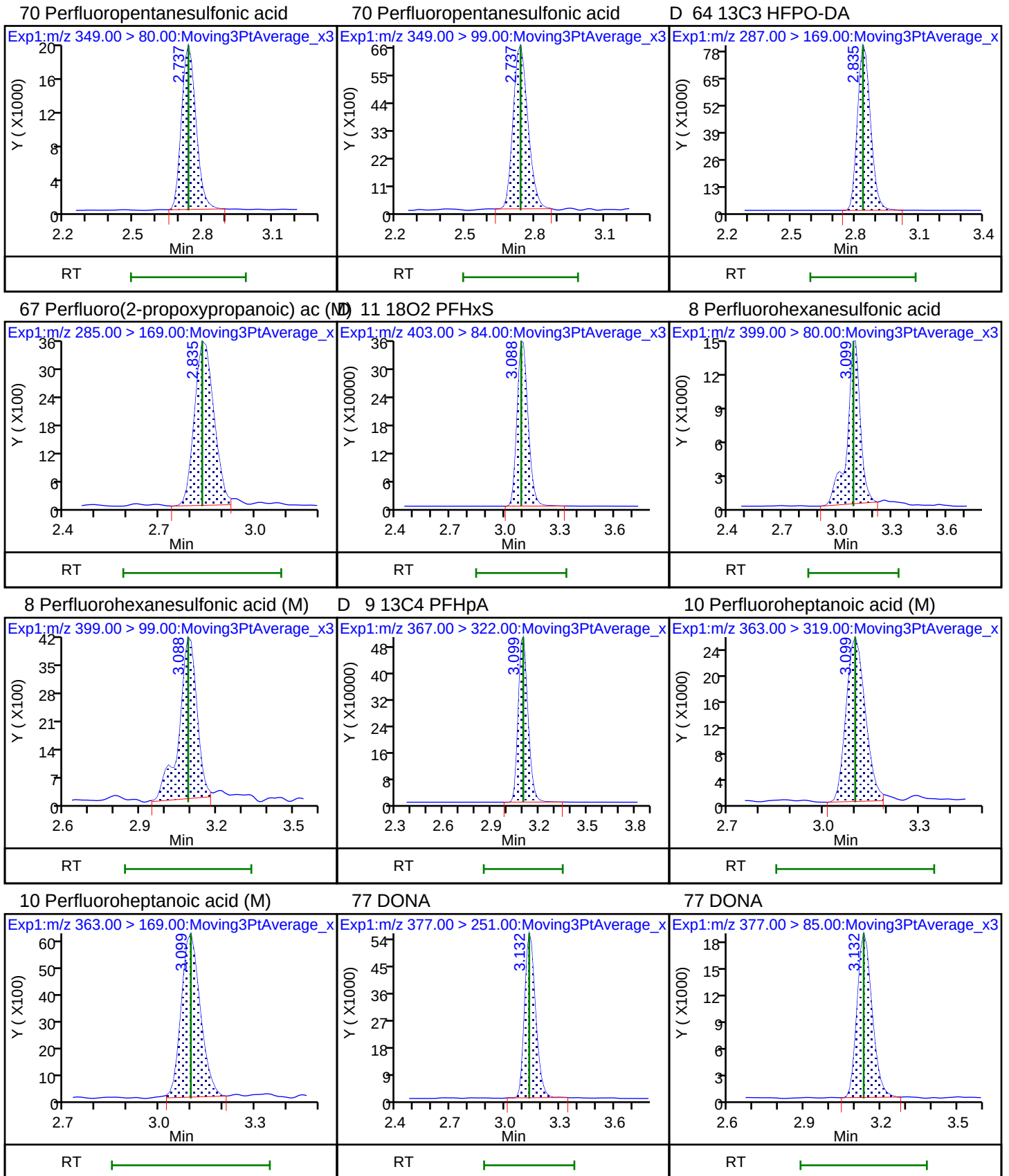


D 7 13C2 PFHxA

6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid (M)

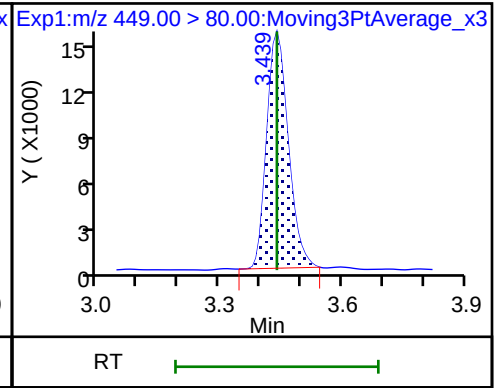
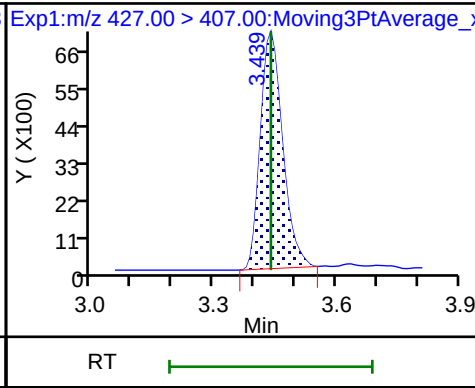
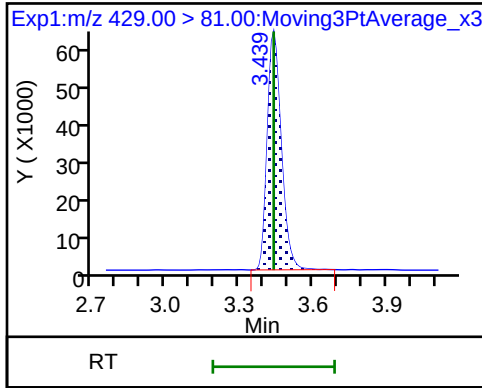




D 12 M2-6:2 FTS

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

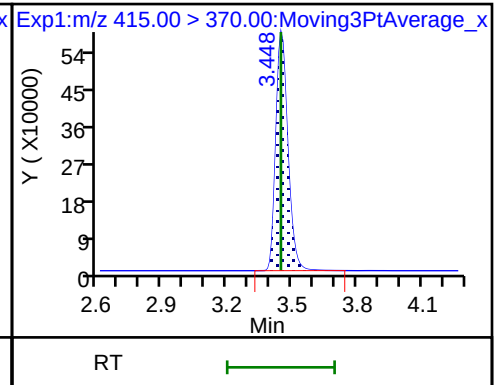
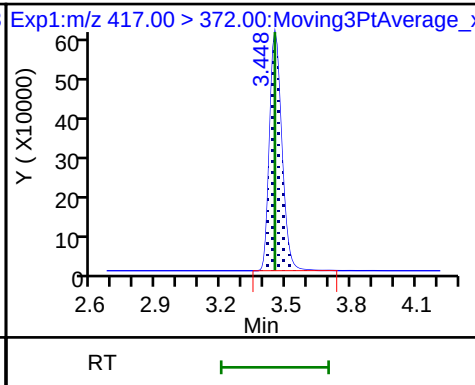
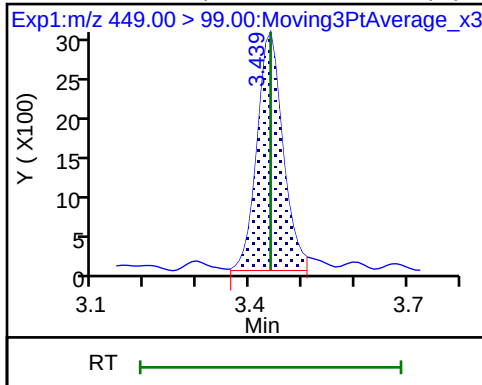
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

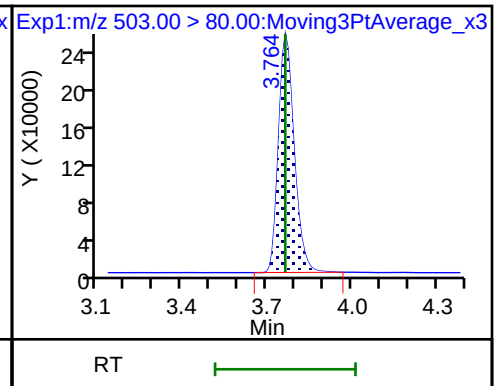
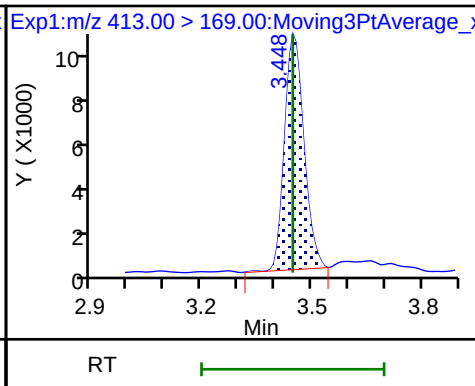
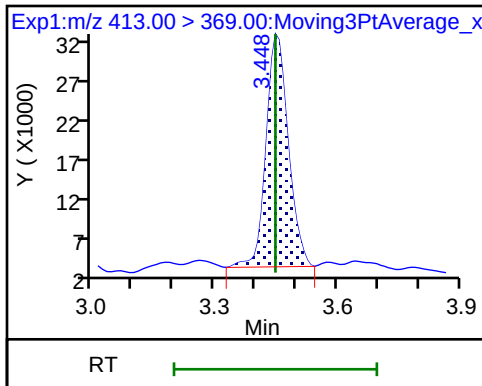
* 62 13C2 PFOA



15 Perfluorooctanoic acid

15 Perfluorooctanoic acid

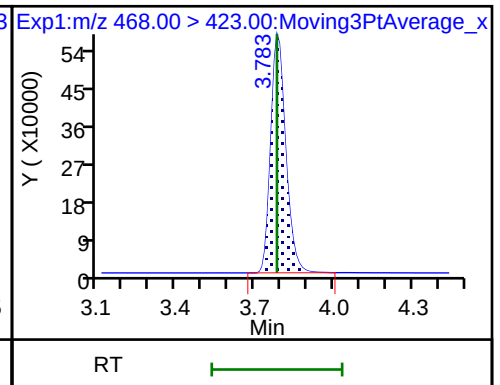
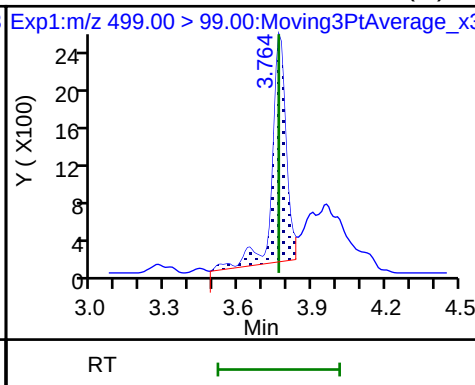
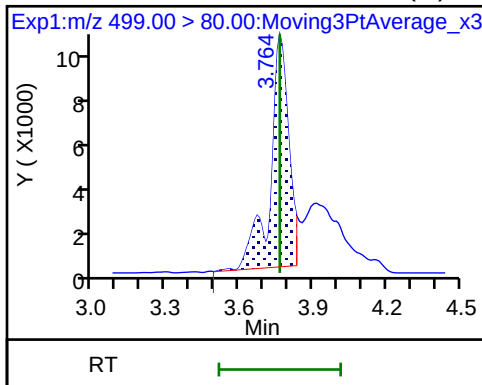
D 18 13C4 PFOS

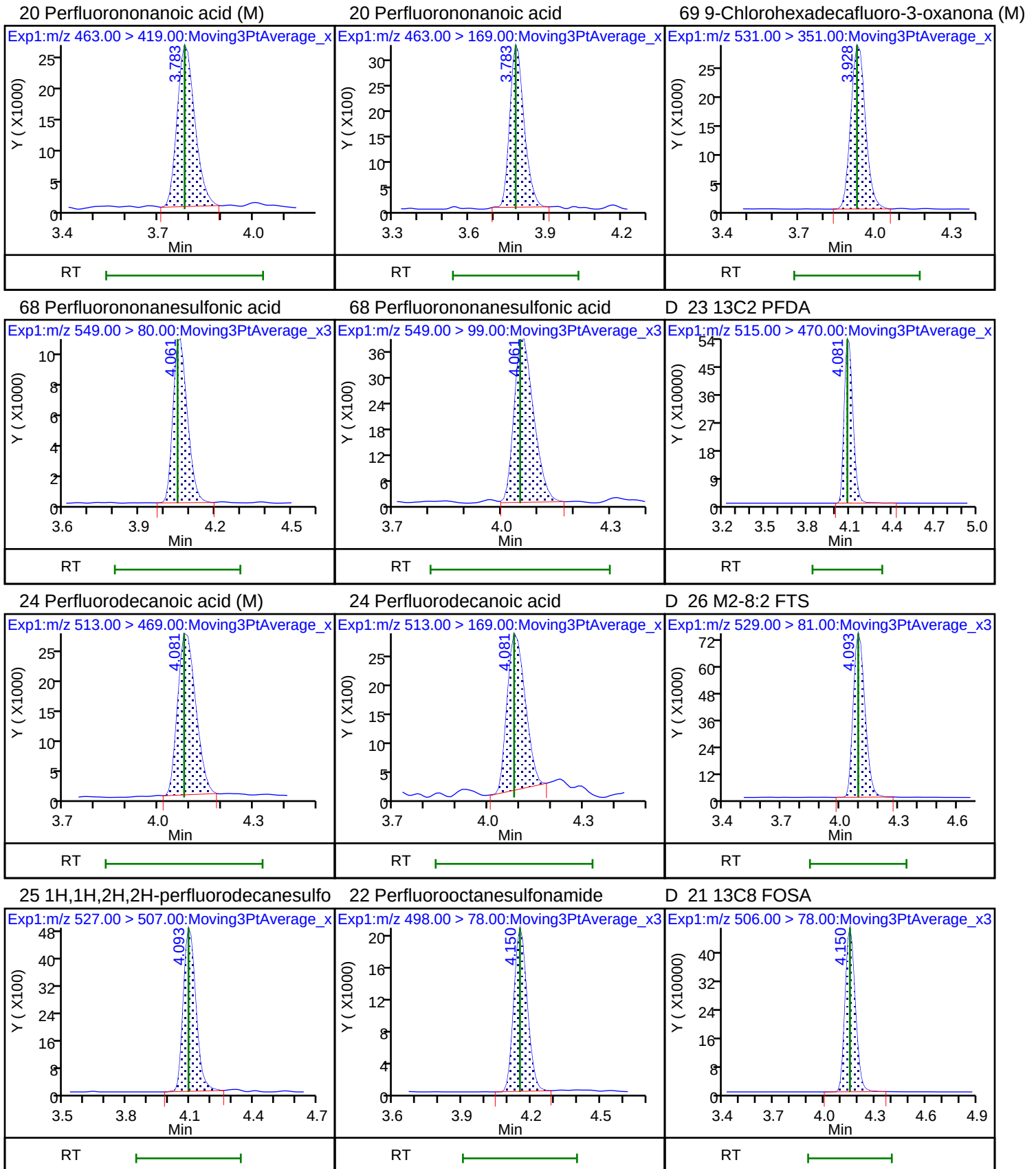


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

D 19 13C5 PFNA

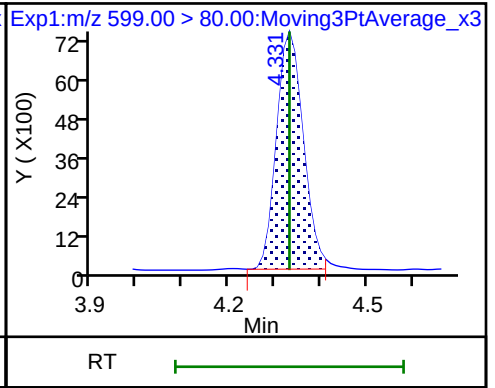
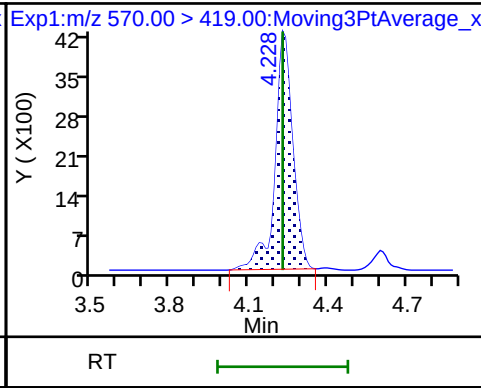
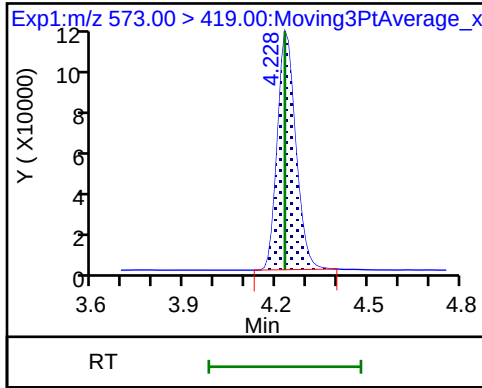




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

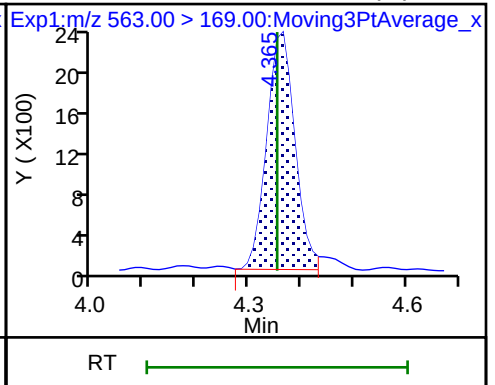
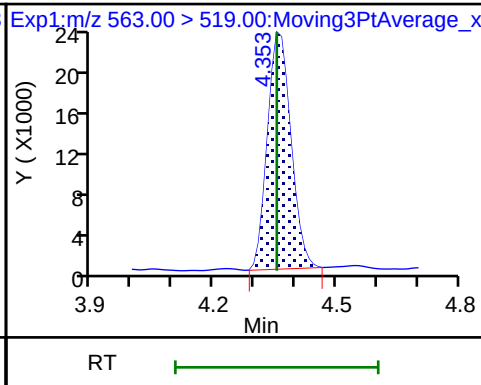
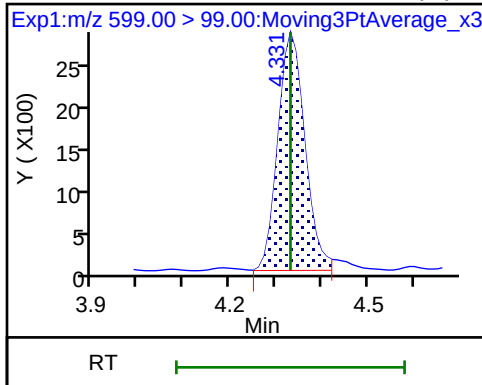
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

31 Perfluoroundecanoic acid

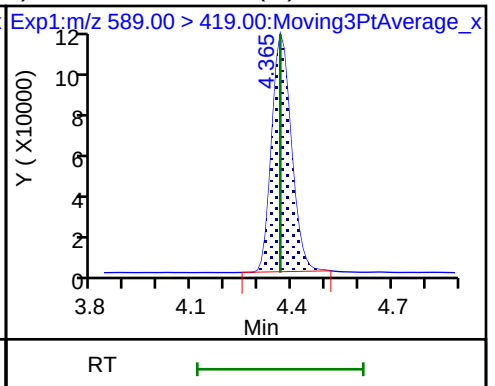
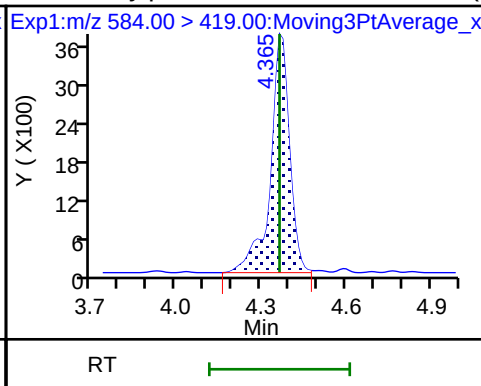
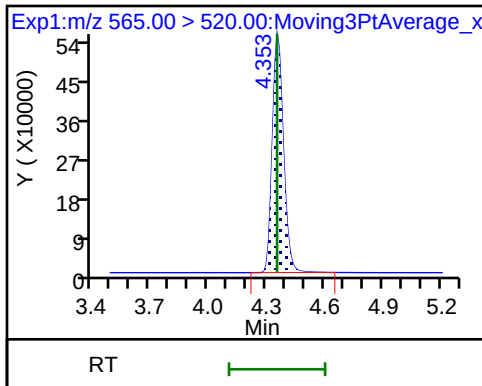
31 Perfluoroundecanoic acid (M)



D 30 13C2 PFUnA

33 N-ethylperfluorooctanesulfonamid (M)

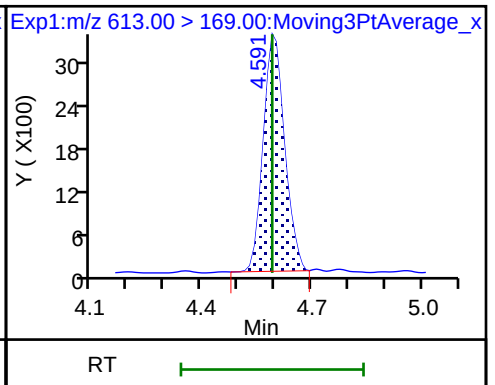
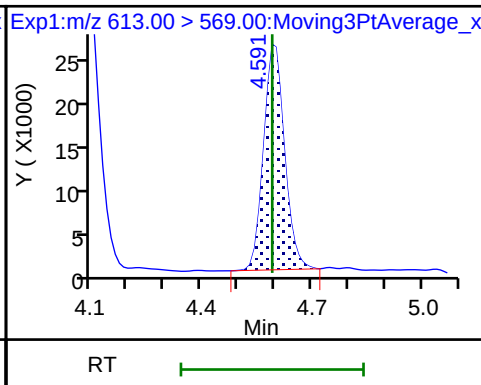
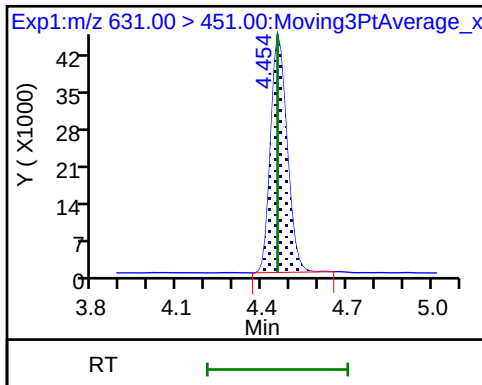
32 d5-NEtFOSAA (M)



66 11-Chloroeicosafluoro-3-oxaundec

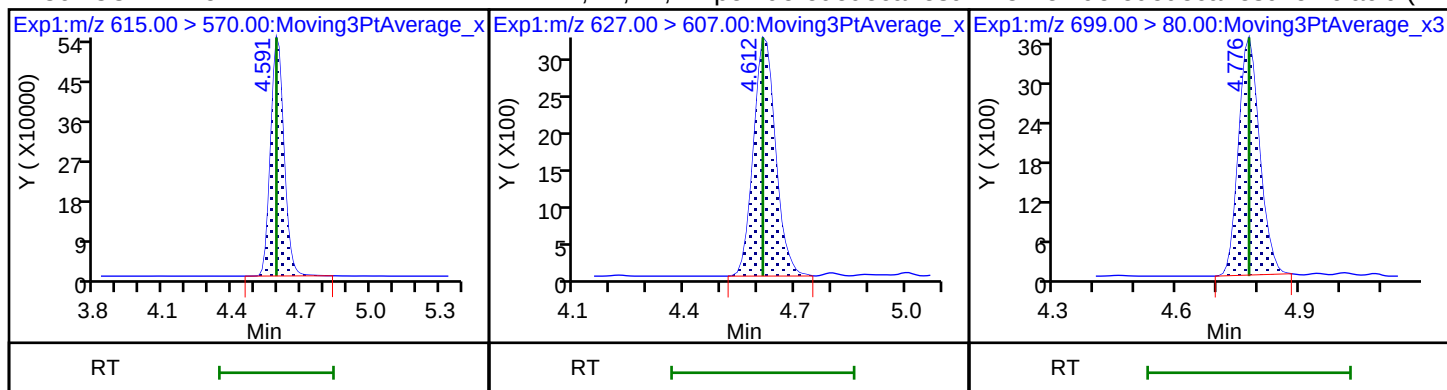
37 Perfluorododecanoic acid

37 Perfluorododecanoic acid



D 36 13C2 PFDaA

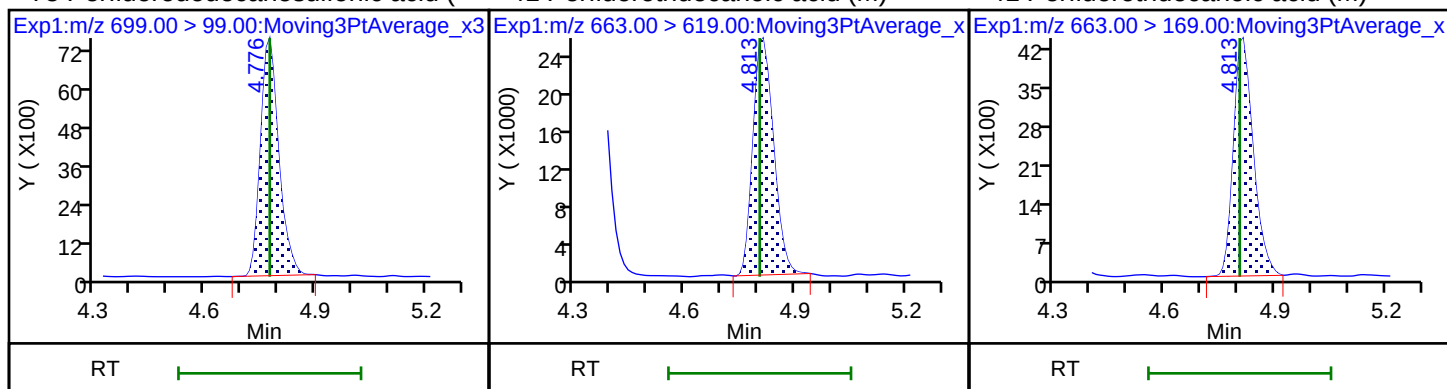
74 1H,1H,2H,2H-perfluorododecanesul 75 Perfluorododecanesulfonic acid (



75 Perfluorododecanesulfonic acid (

41 Perfluorotridecanoic acid (M)

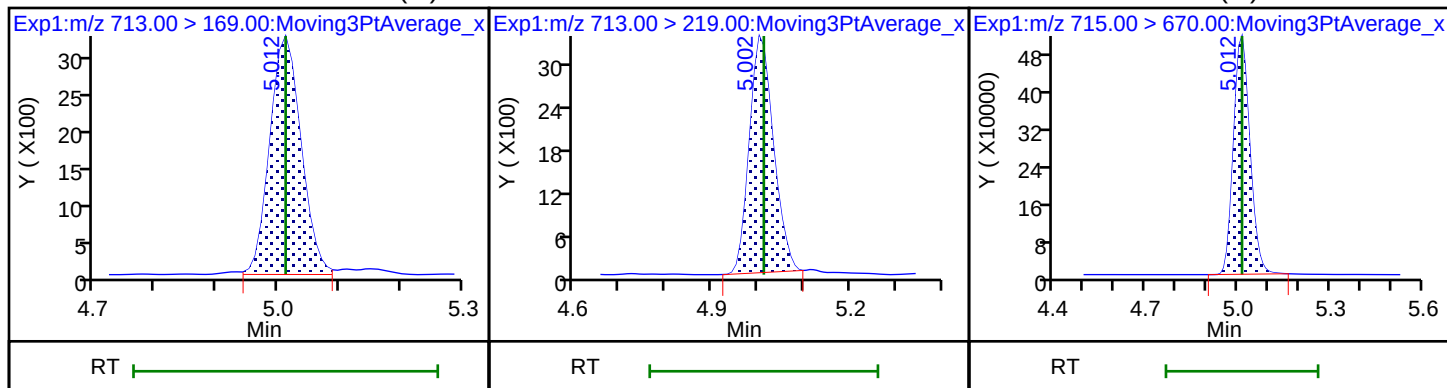
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid

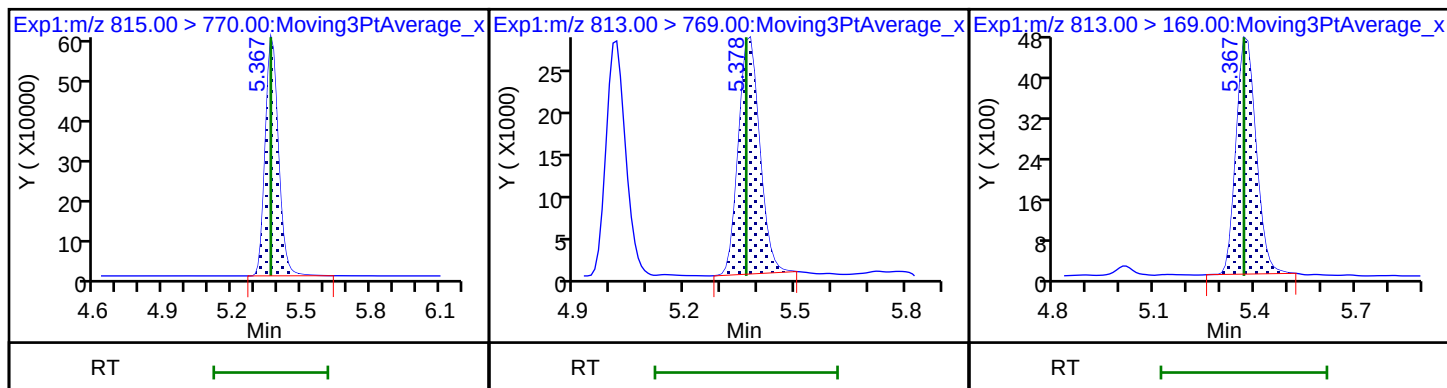
D 43 13C2 PFTeDA (M)



D 44 13C2 PFHxDA

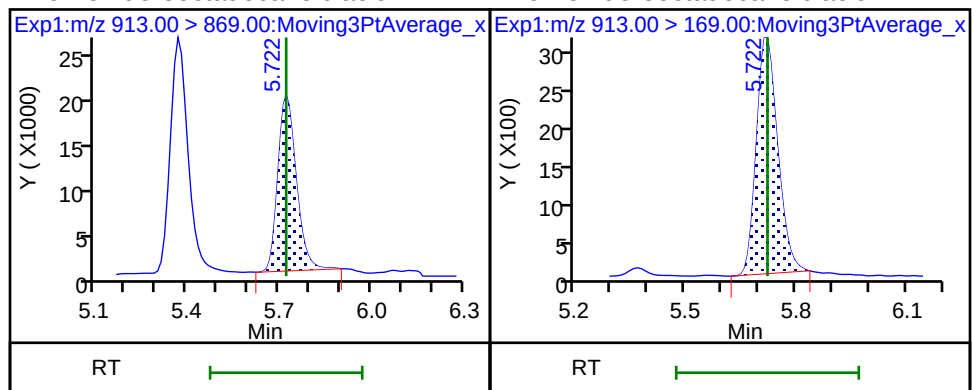
45 Perfluorohexadecanoic acid

45 Perfluorohexadecanoic acid



46 Perfluorooctadecanoic acid

46 Perfluorooctadecanoic acid



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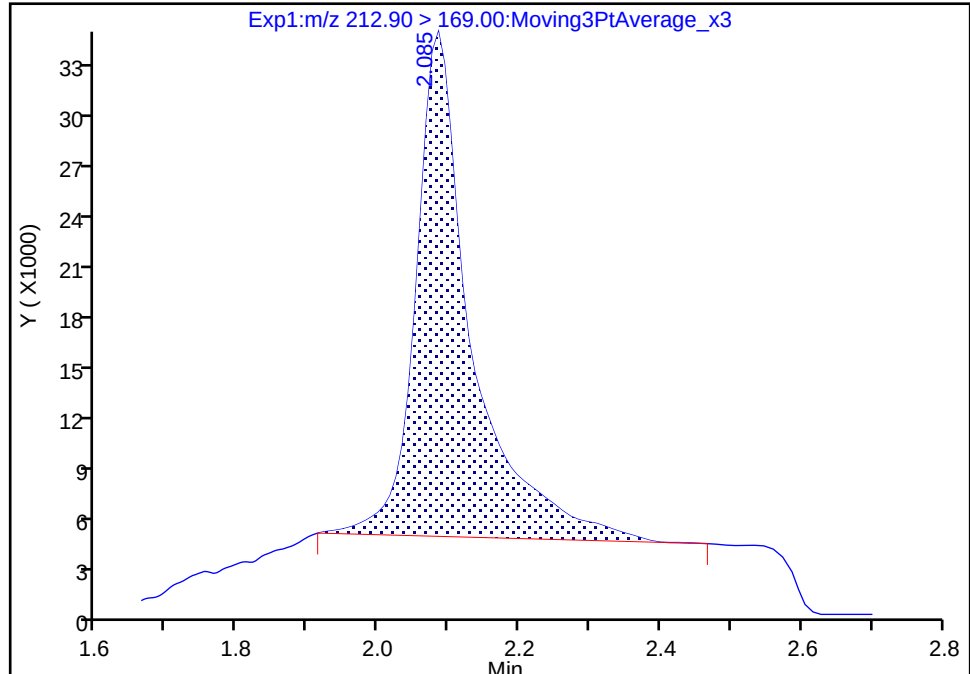
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Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

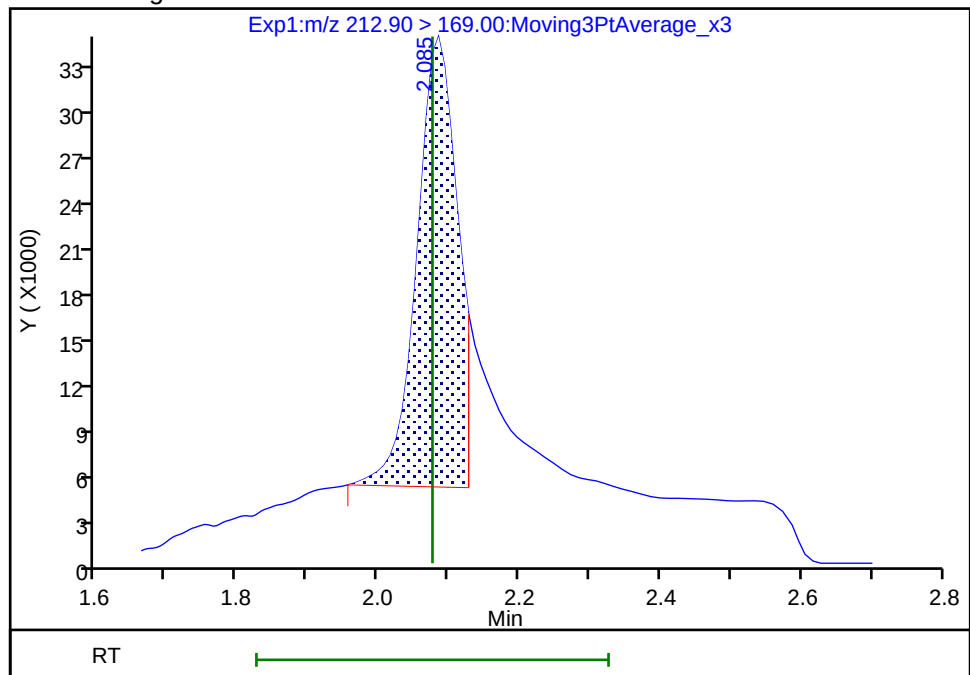
RT: 2.08
Area: 167014
Amount: 0.050000
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 117447
Amount: 0.055493
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:43:55
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

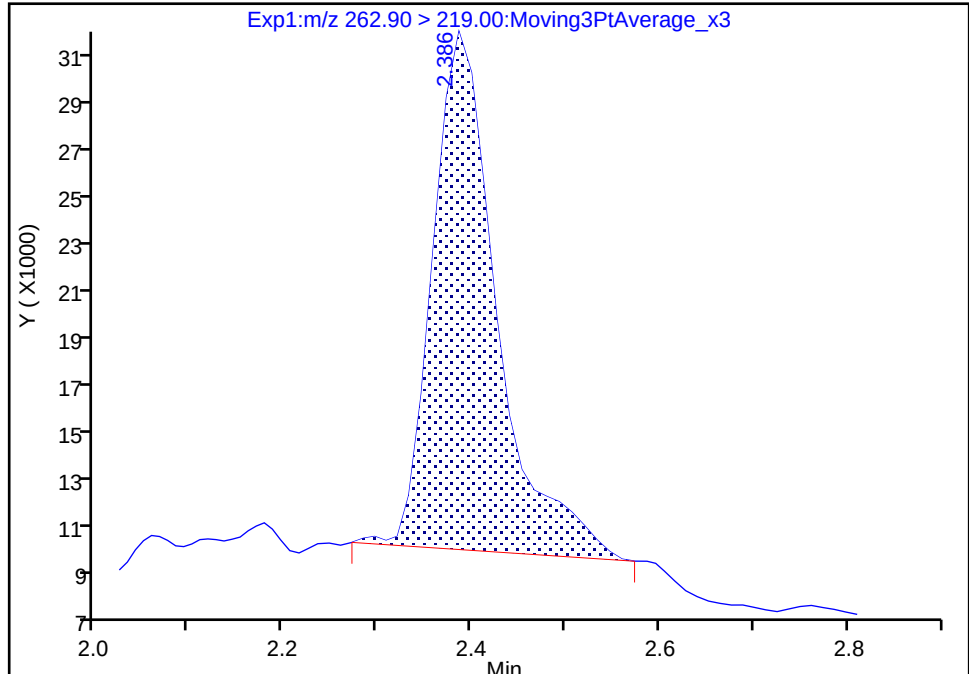
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

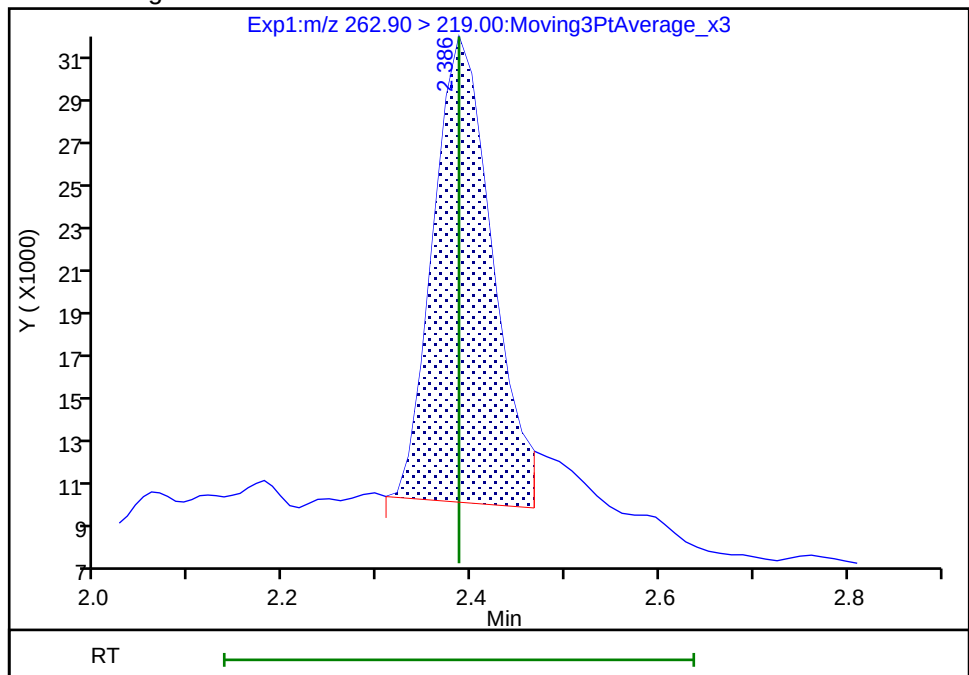
RT: 2.39
Area: 100957
Amount: 0.050000
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 91274
Amount: 0.053984
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:44:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

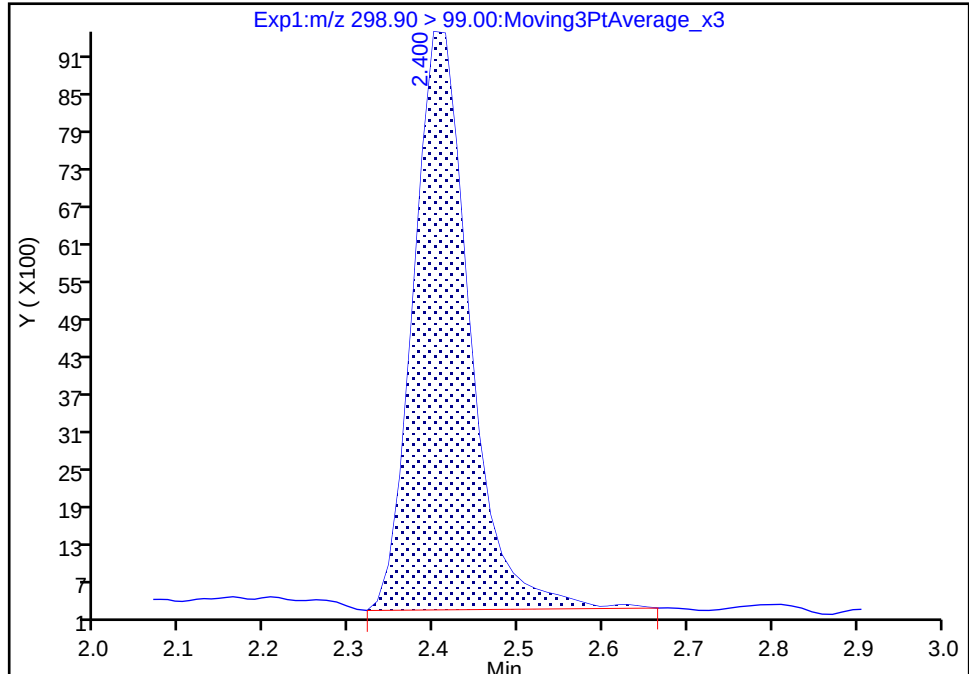
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Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

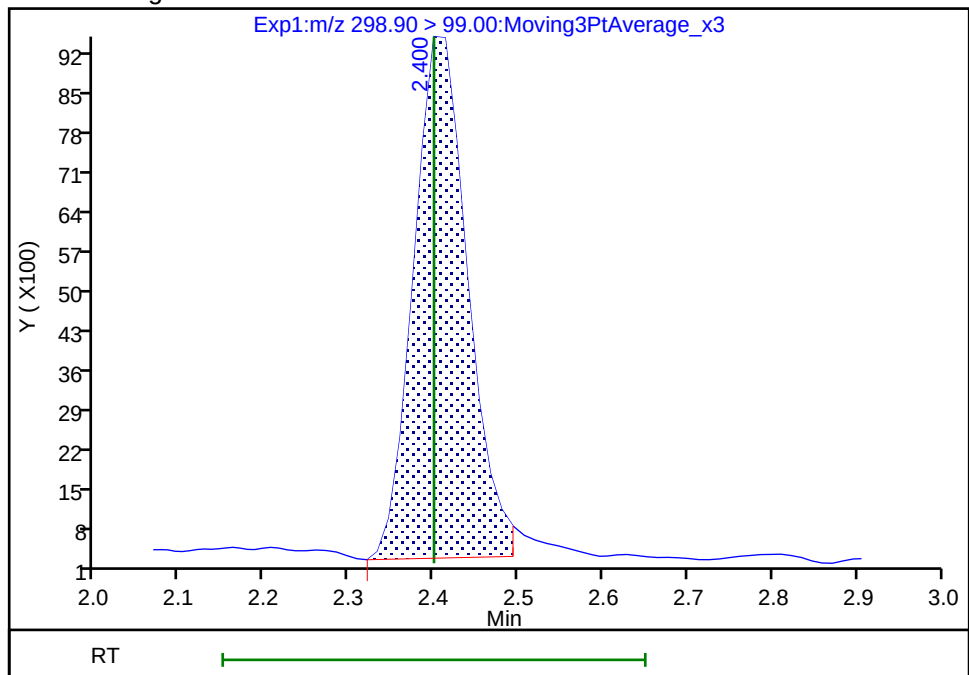
RT: 2.40
Area: 42716
Amount: 0.044200
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 40889
Amount: 0.048736
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:44:28
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

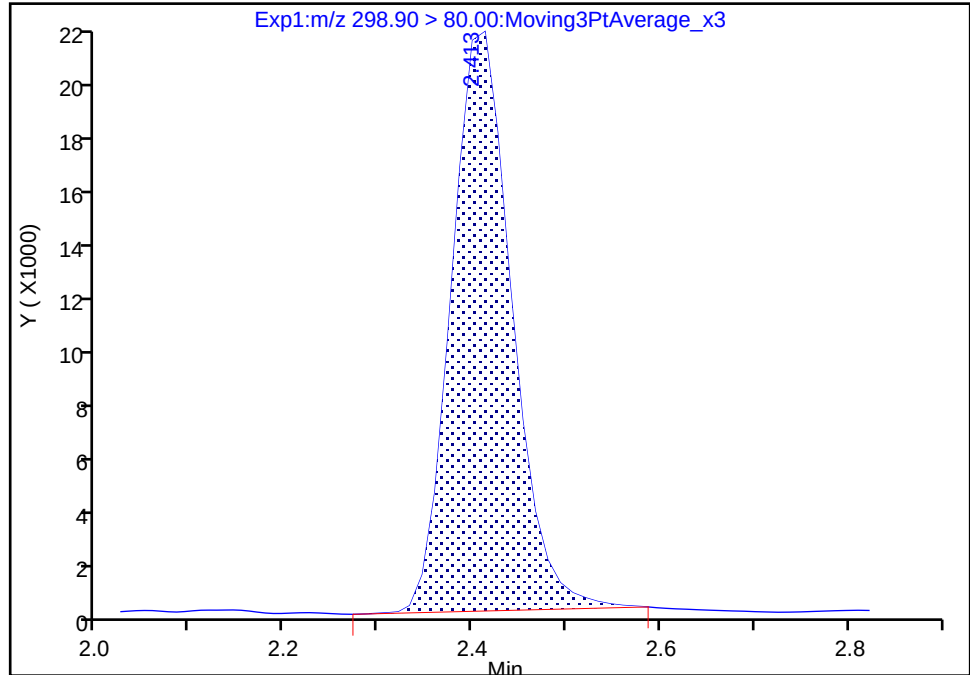
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Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

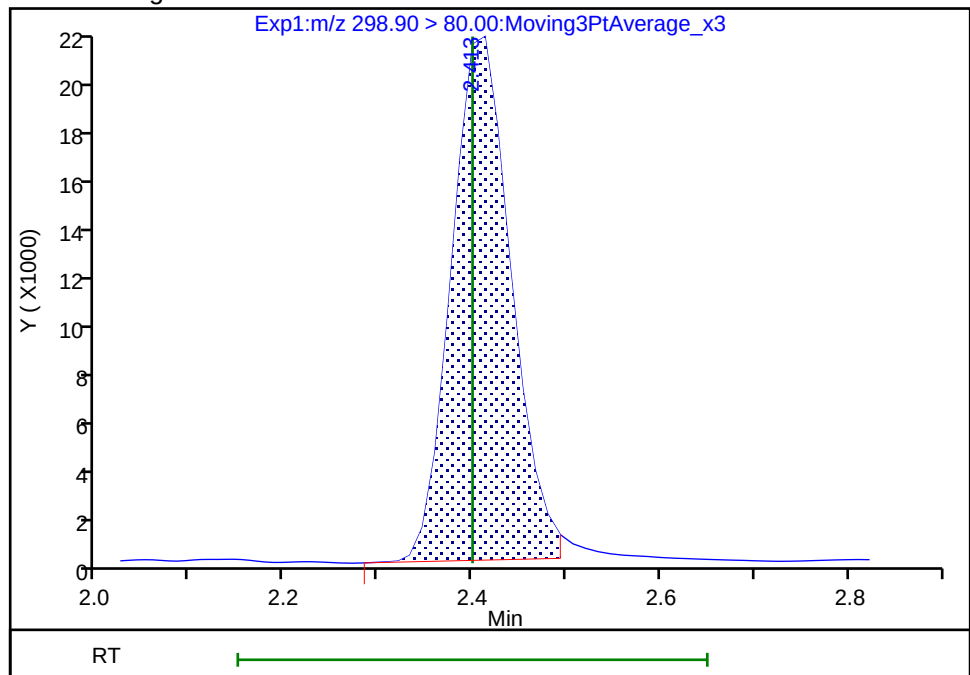
RT: 2.41
Area: 95701
Amount: 0.044200
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 94070
Amount: 0.048736
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:44:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

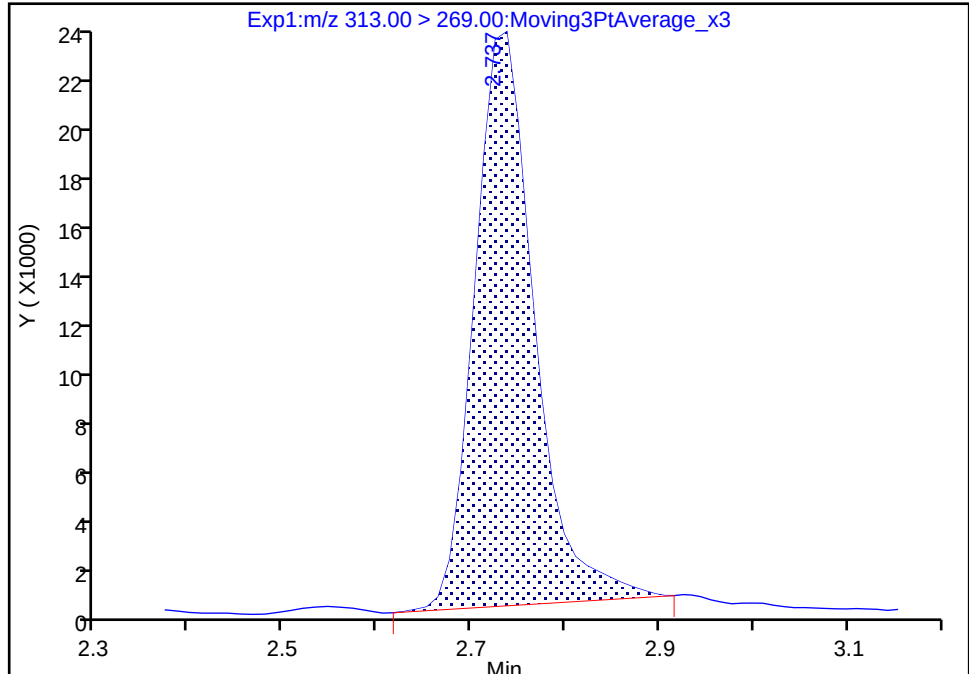
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

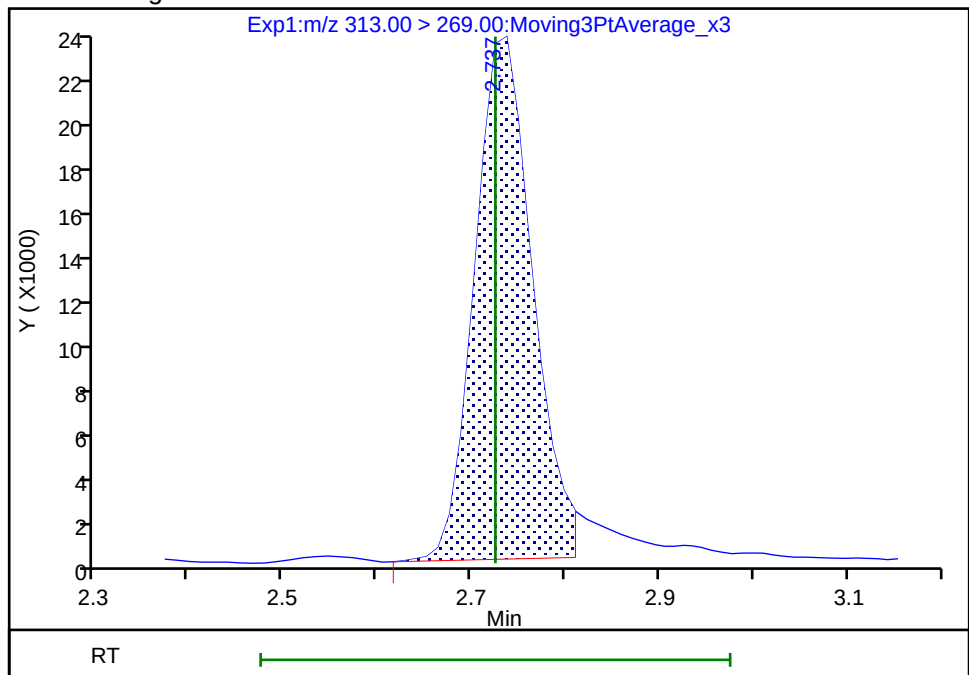
RT: 2.74
Area: 96124
Amount: 0.050000
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 93459
Amount: 0.053742
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:44:48
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

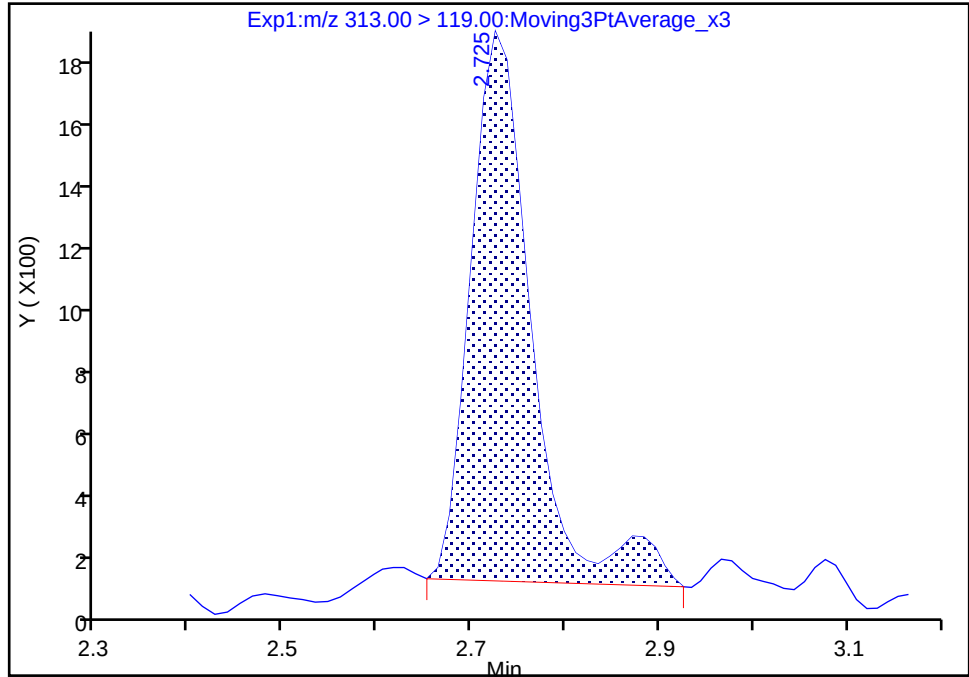
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

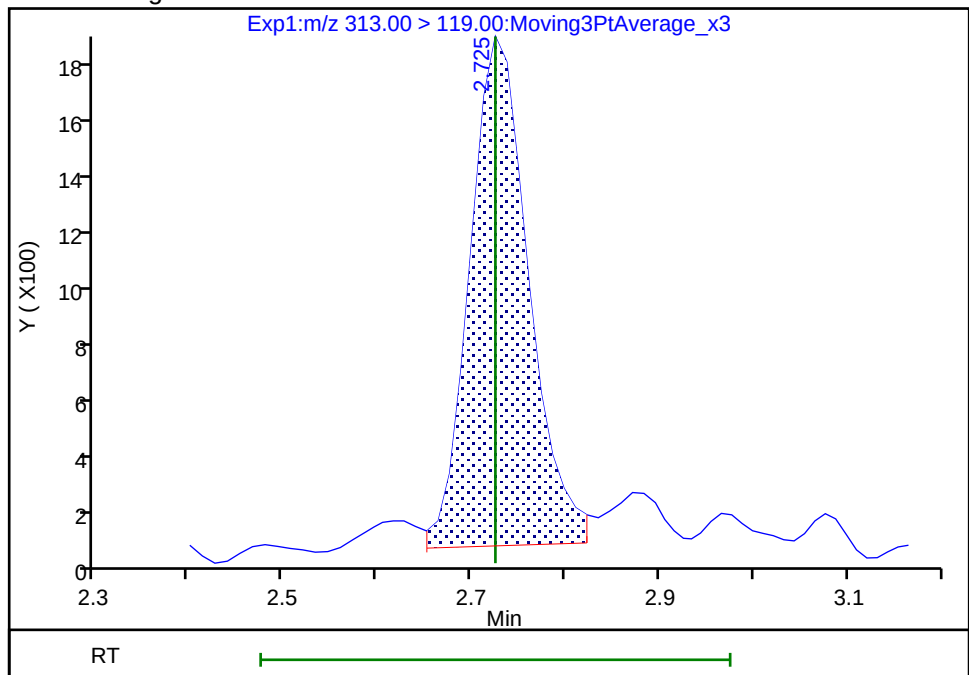
RT: 2.73
Area: 7775
Amount: 0.050000
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 7632
Amount: 0.053742
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:44:54

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

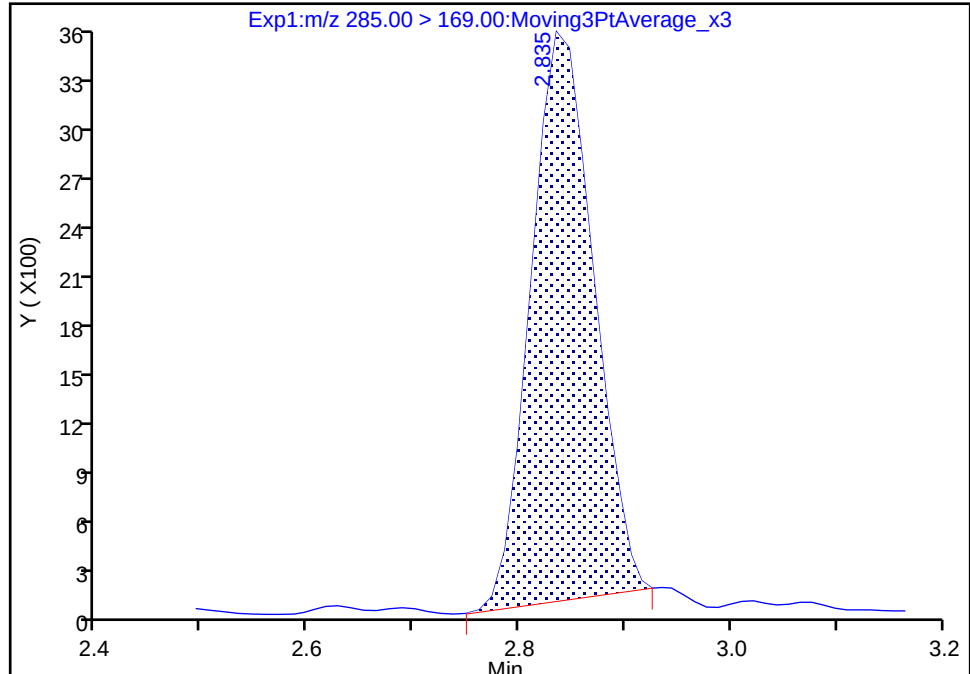
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

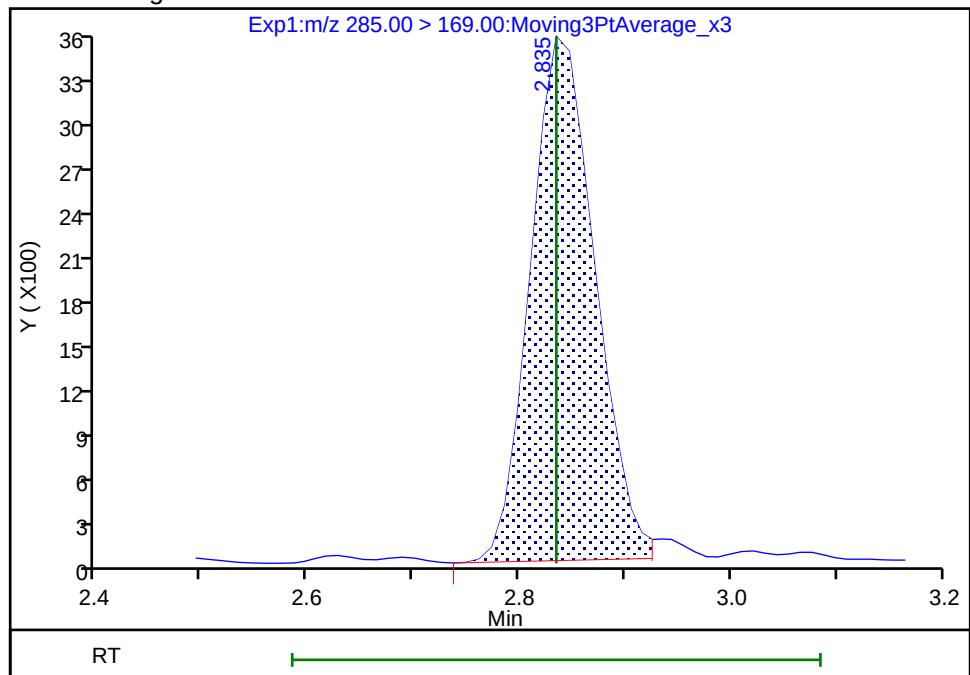
RT: 2.83
Area: 14159
Amount: 0.050000
Amount Units: ng/ml

Processing Integration Results



RT: 2.83
Area: 14811
Amount: 0.051880
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:45:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

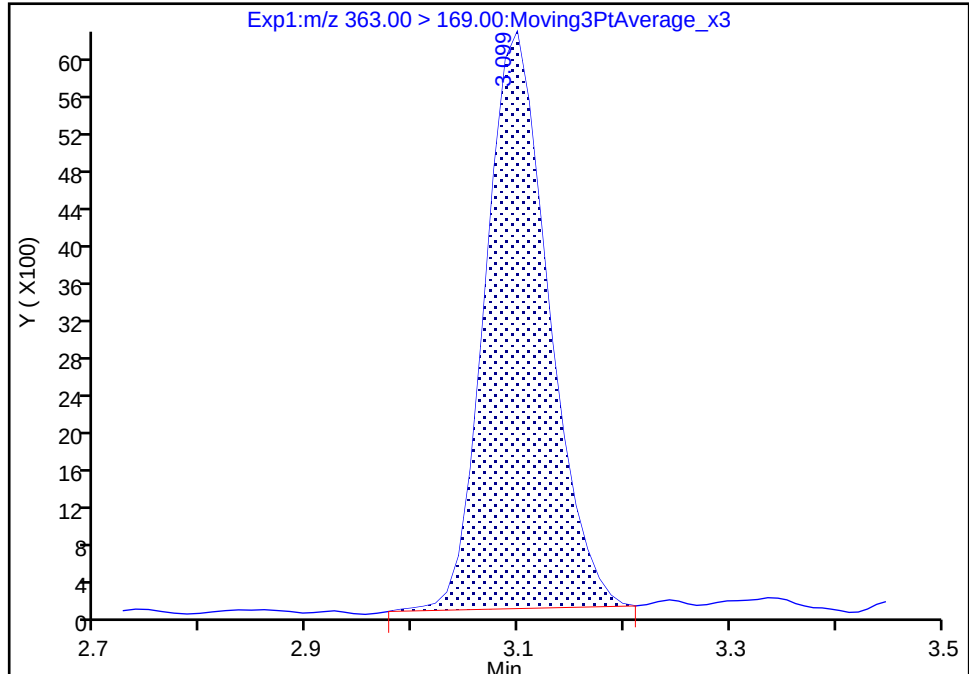
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

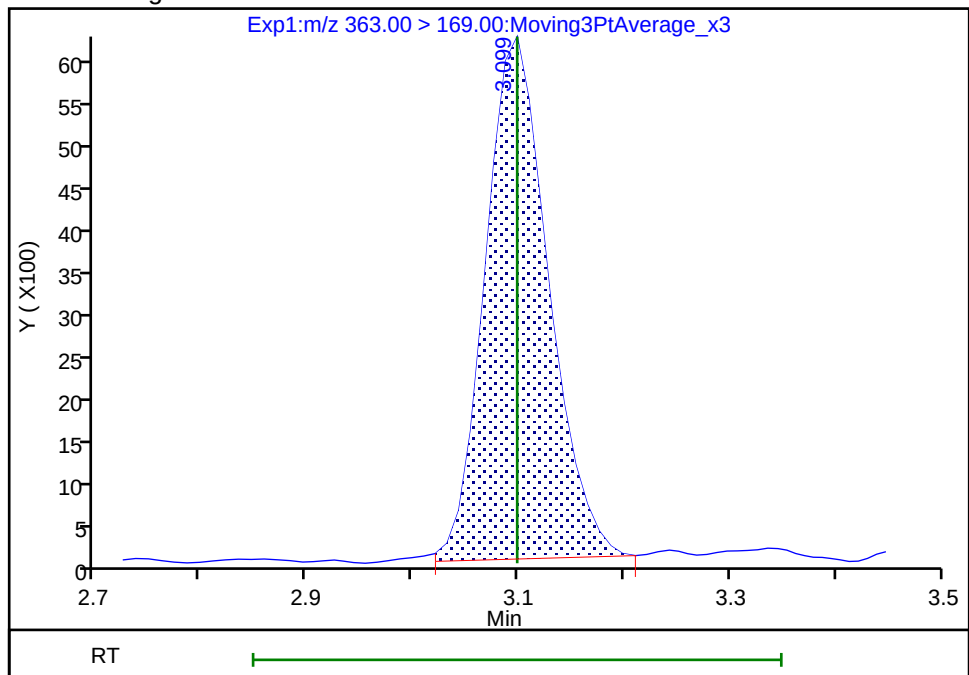
RT: 3.10
Area: 25598
Amount: 0.050000
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 25626
Amount: 0.054935
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:45:29
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

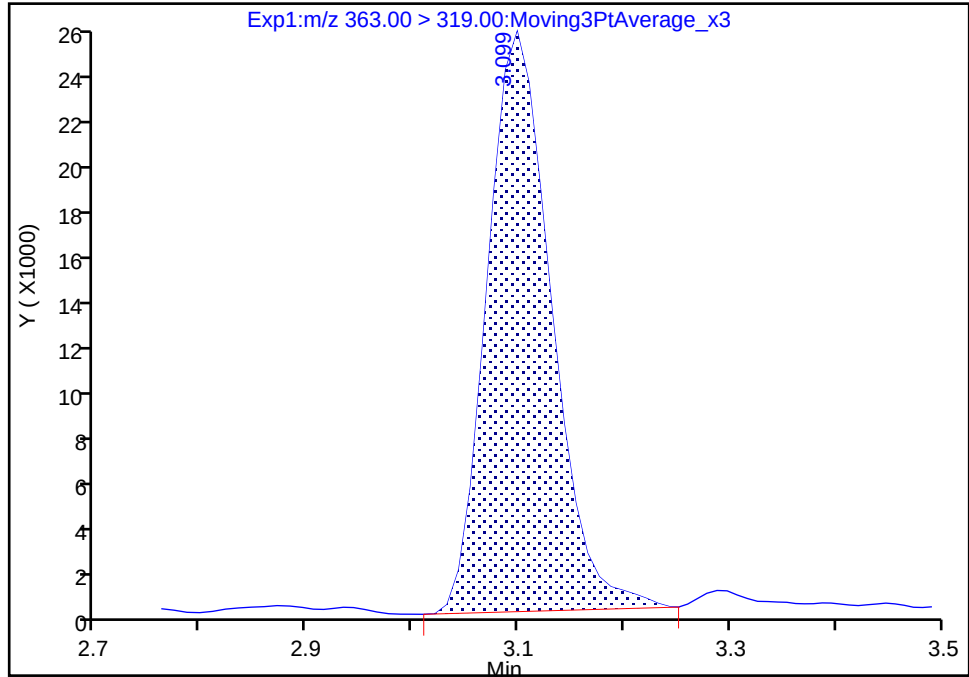
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

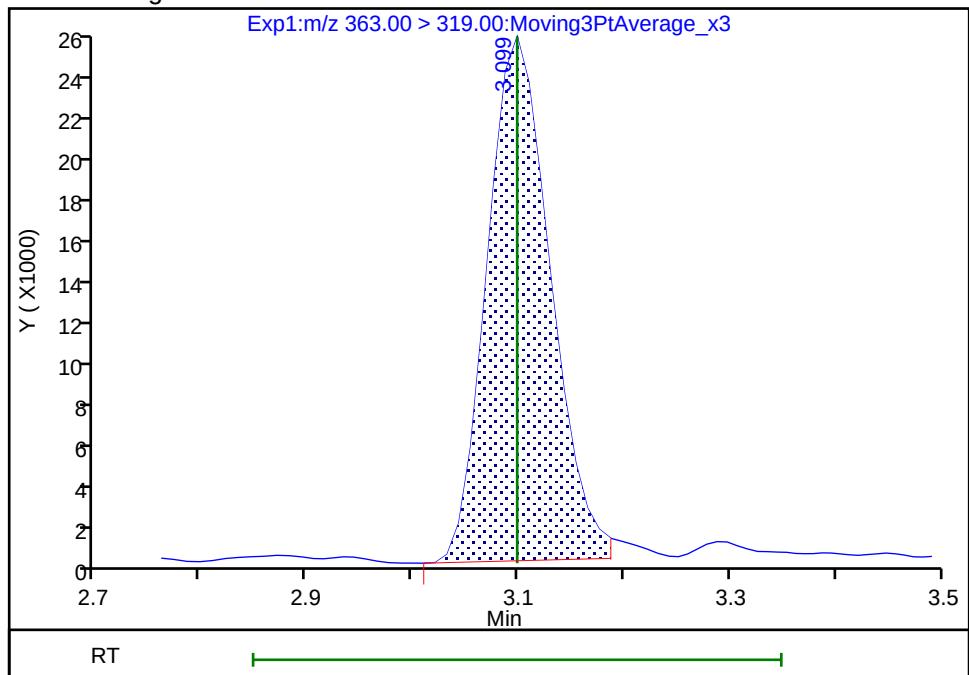
RT: 3.10
Area: 102094
Amount: 0.050000
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 100453
Amount: 0.054935
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:45:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

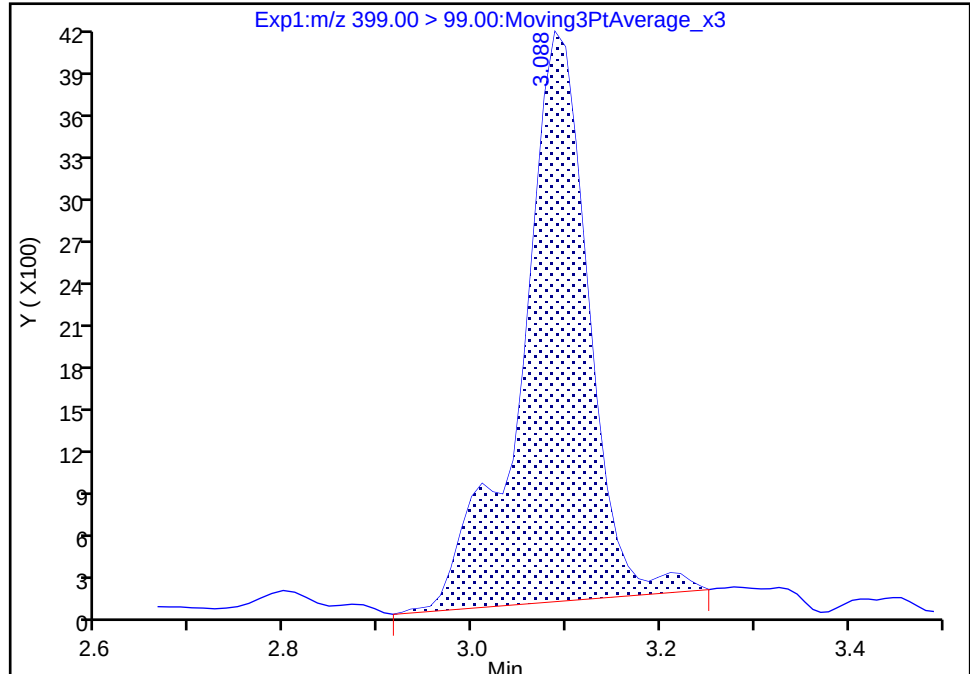
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

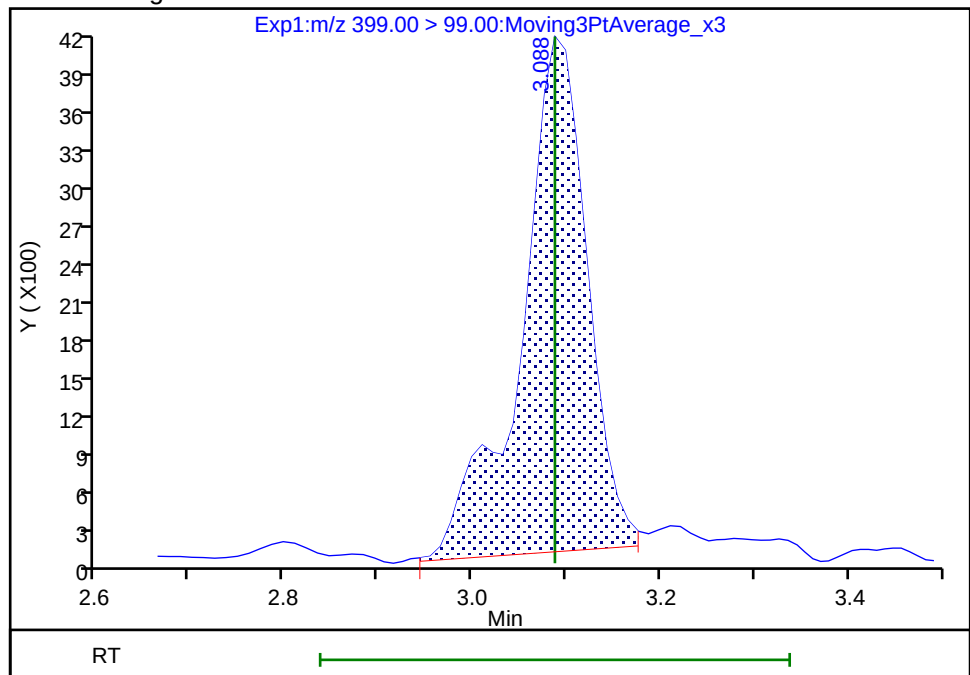
RT: 3.09
Area: 19897
Amount: 0.045500
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 19455
Amount: 0.049046
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:45:18
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

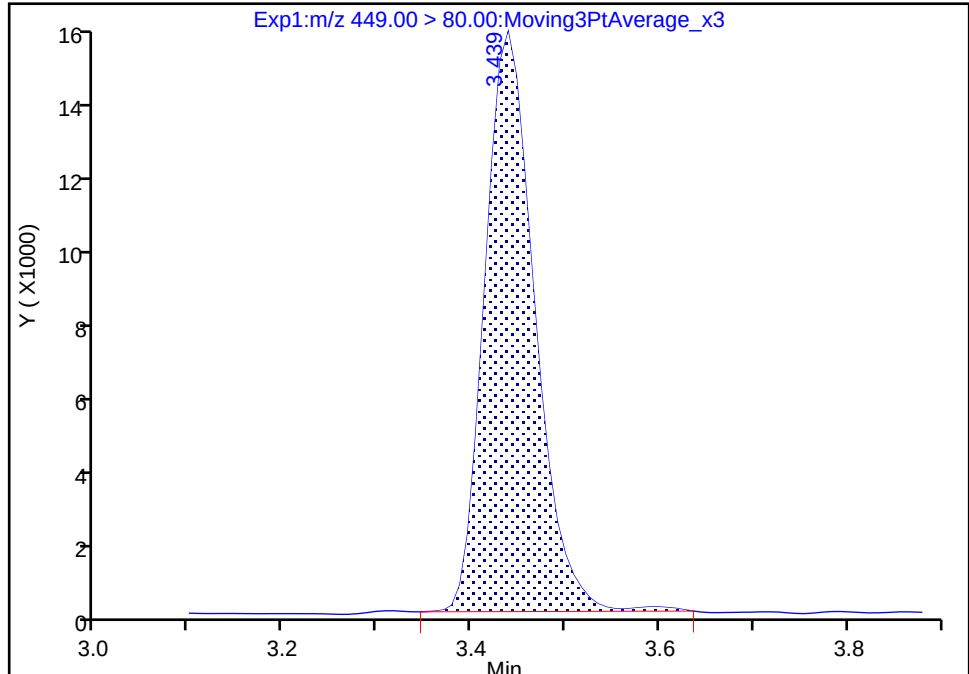
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

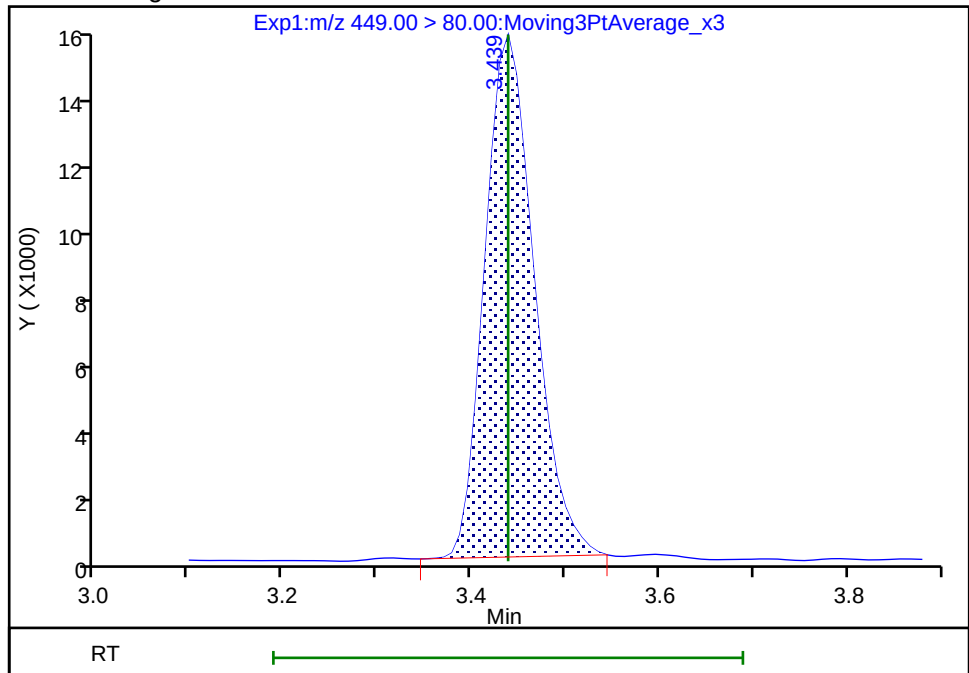
RT: 3.44
Area: 58353
Amount: 0.047600
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 57260
Amount: 0.049533
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:45:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

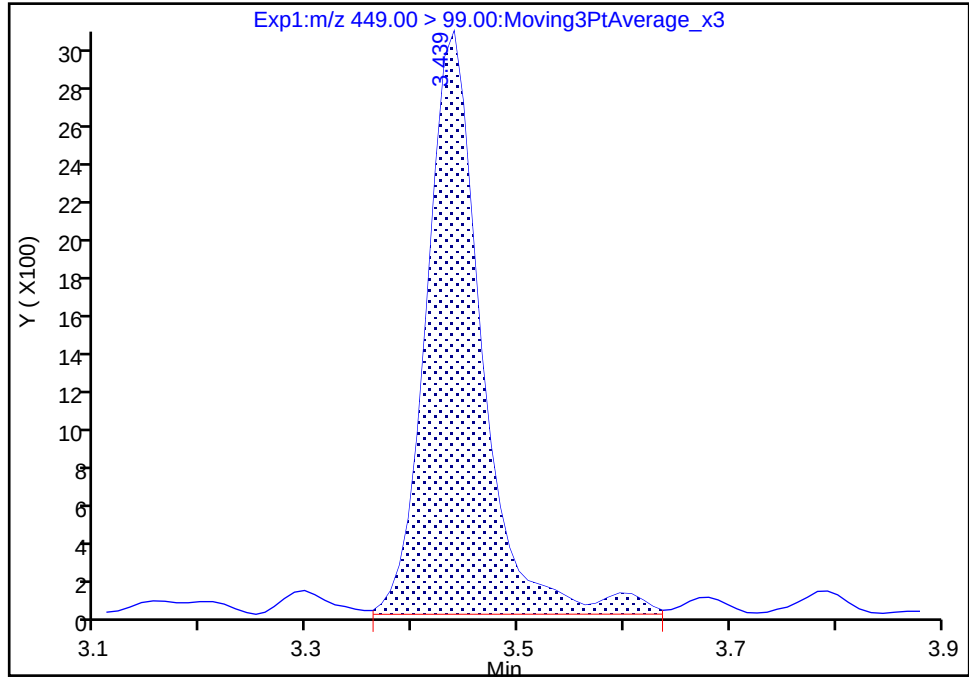
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

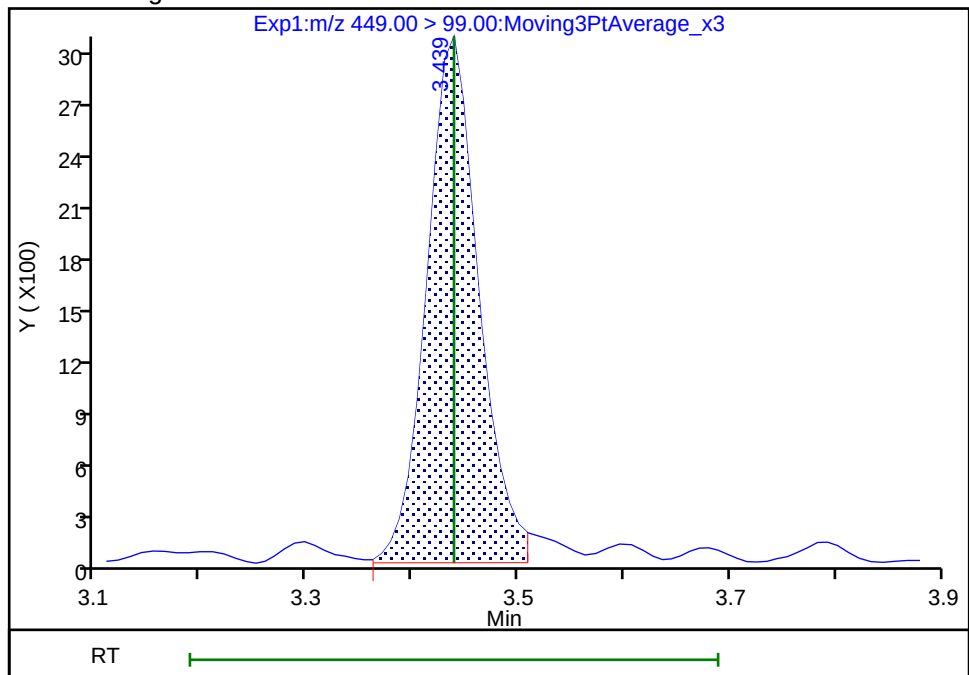
RT: 3.44
Area: 11226
Amount: 0.047600
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 10494
Amount: 0.049533
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:45:53

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

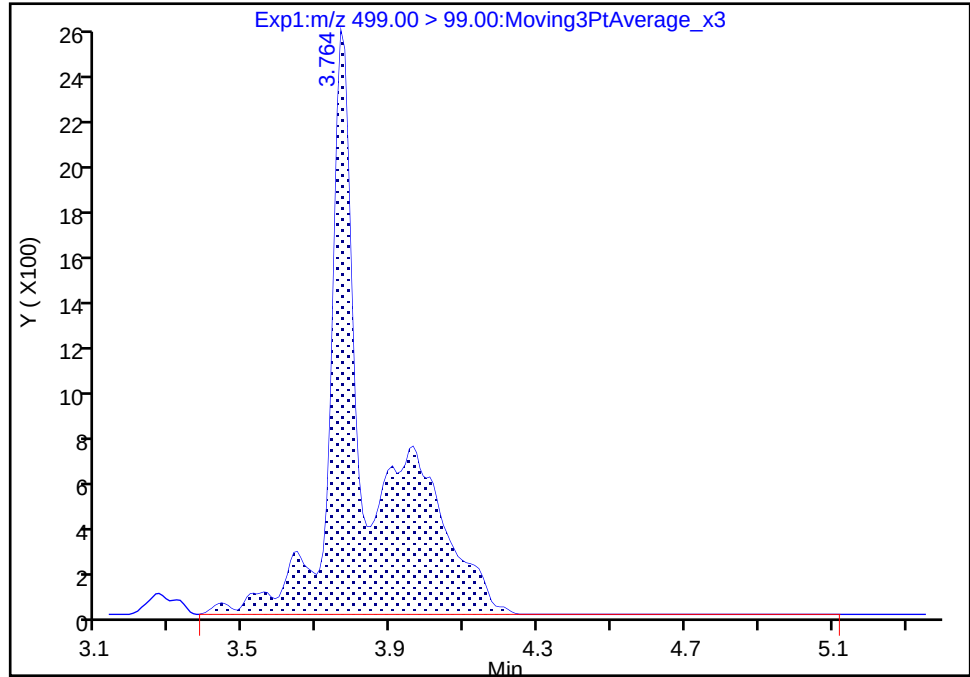
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

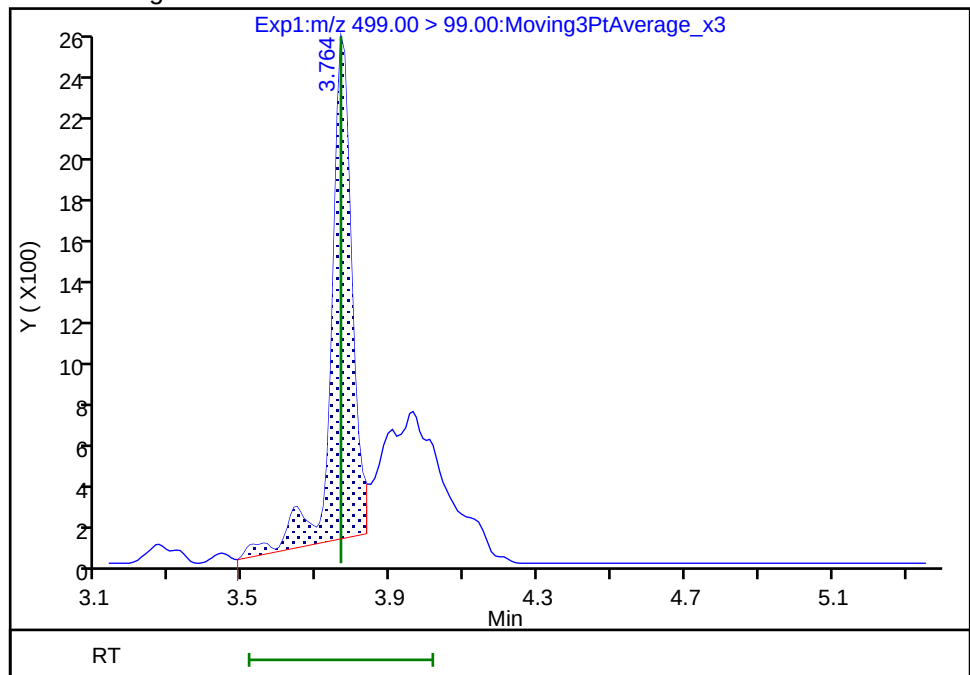
RT: 3.76
Area: 20272
Amount: 0.046400
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 9421
Amount: 0.052820
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:46:21
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

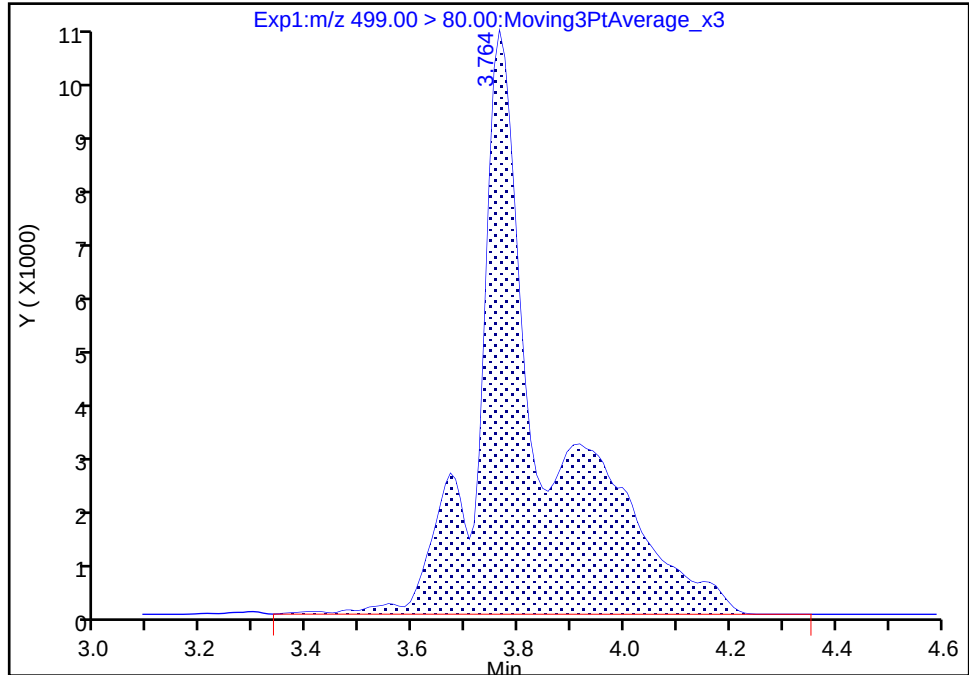
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

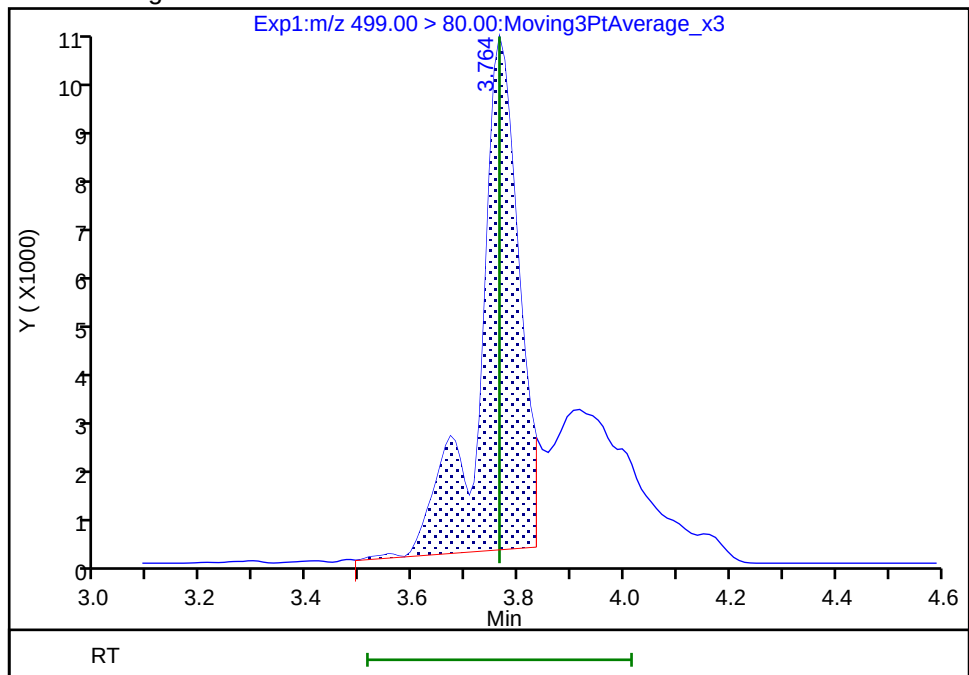
RT: 3.76
Area: 95043
Amount: 0.046400
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 53166
Amount: 0.052820
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:11:10

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

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12/27/2022

2:52 PM

Eurofins Burlington

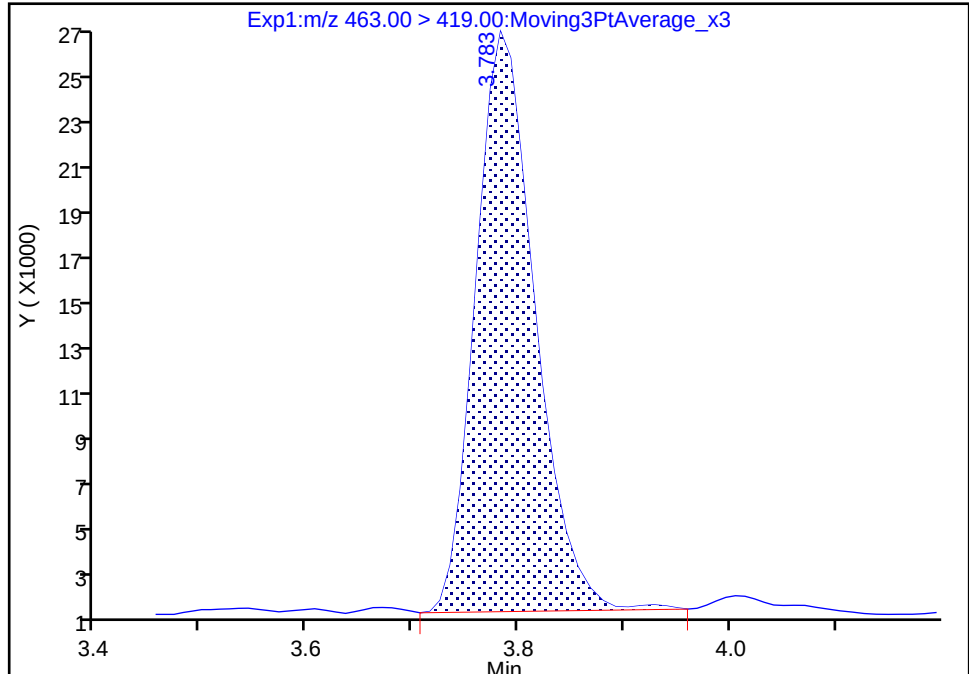
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

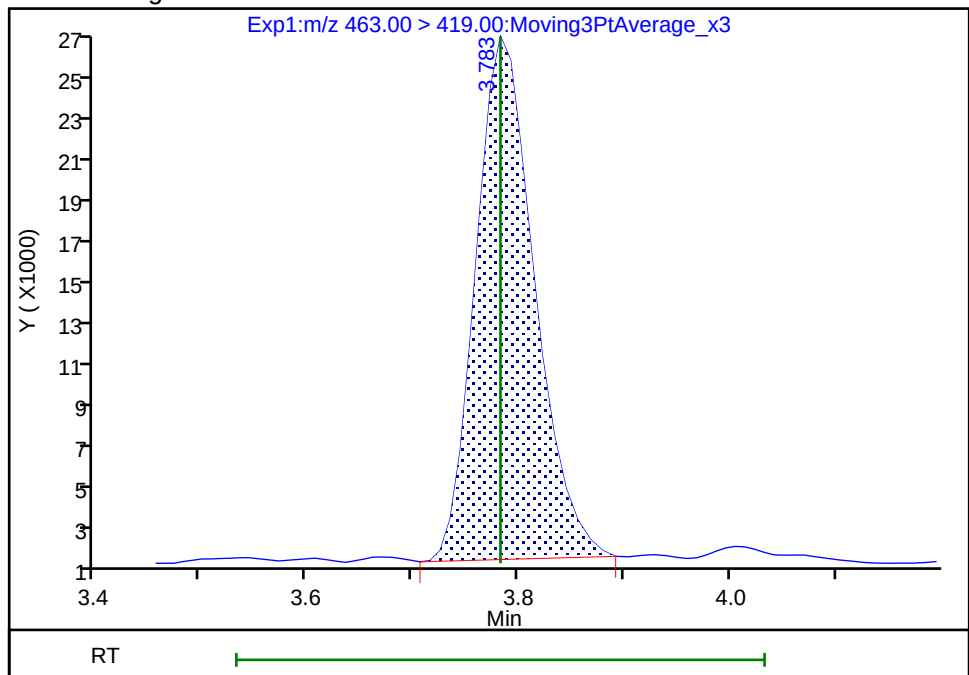
RT: 3.78
Area: 99415
Amount: 0.050000
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 98046
Amount: 0.051796
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:46:34
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

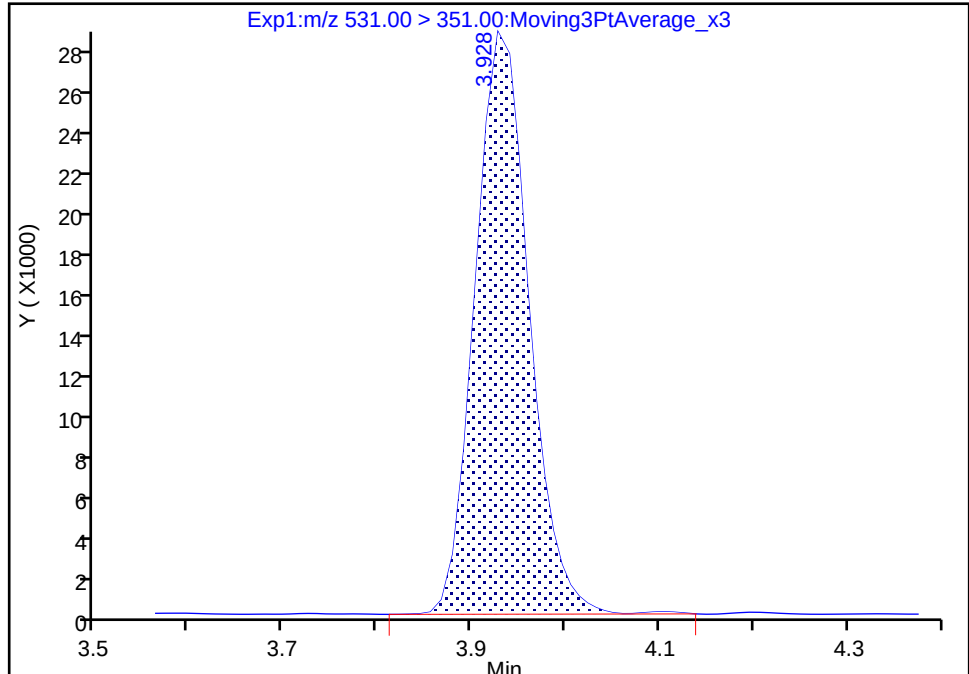
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

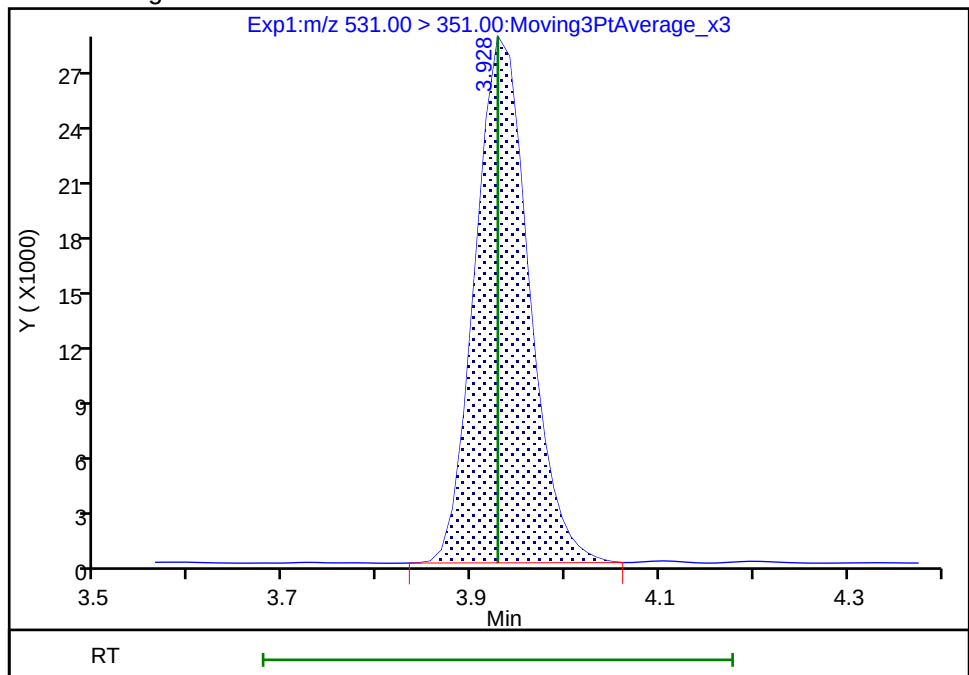
RT: 3.93
Area: 114530
Amount: 0.046600
Amount Units: ng/ml

Processing Integration Results



RT: 3.93
Area: 114059
Amount: 0.049374
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:46:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

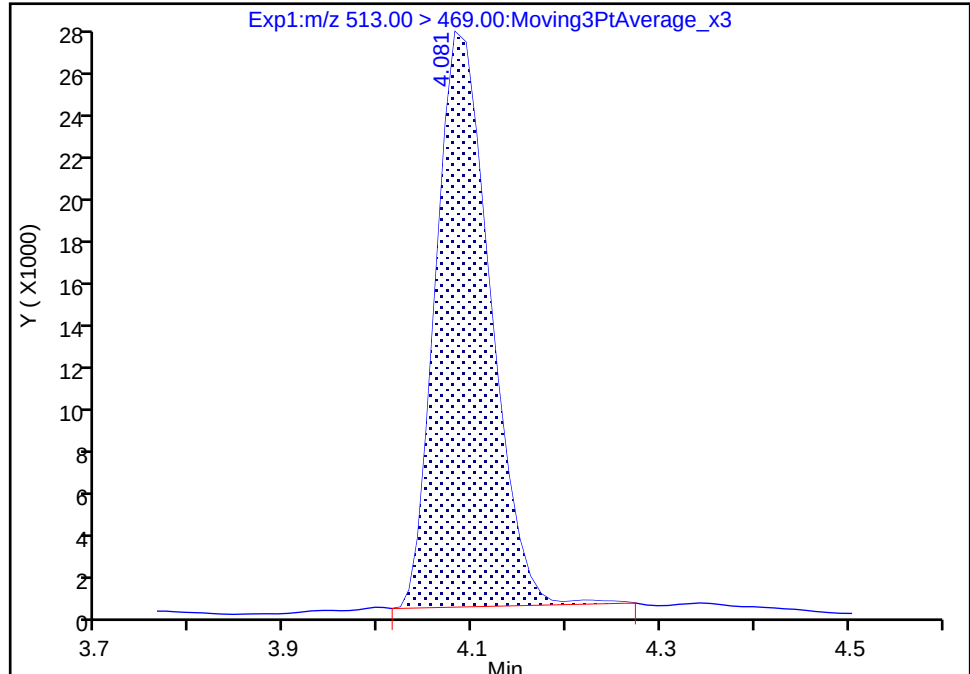
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

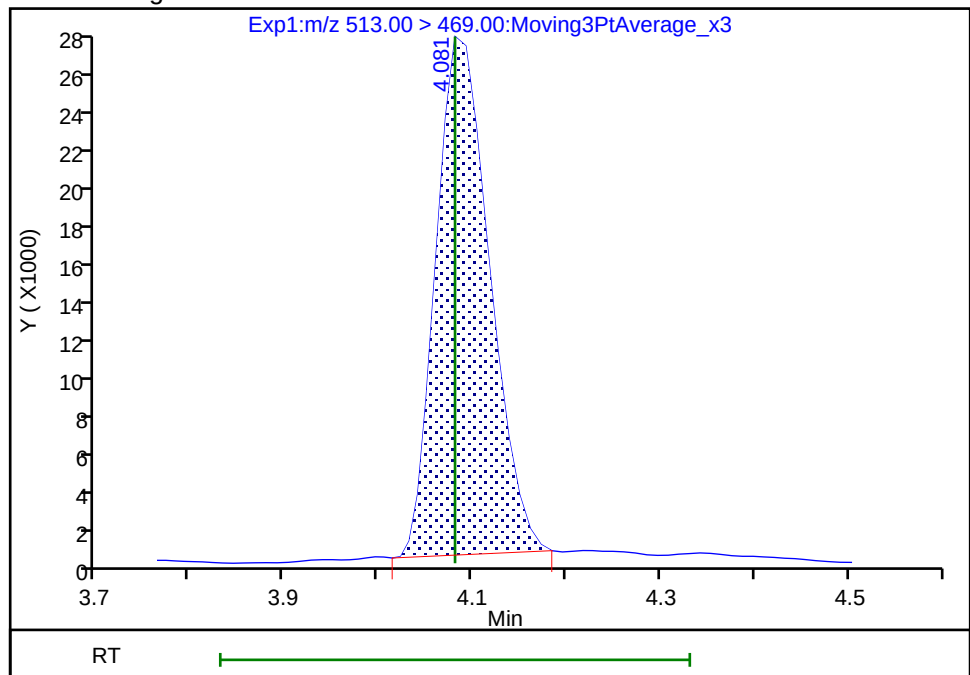
RT: 4.08
Area: 107153
Amount: 0.050000
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 105421
Amount: 0.053763
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:46:52
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

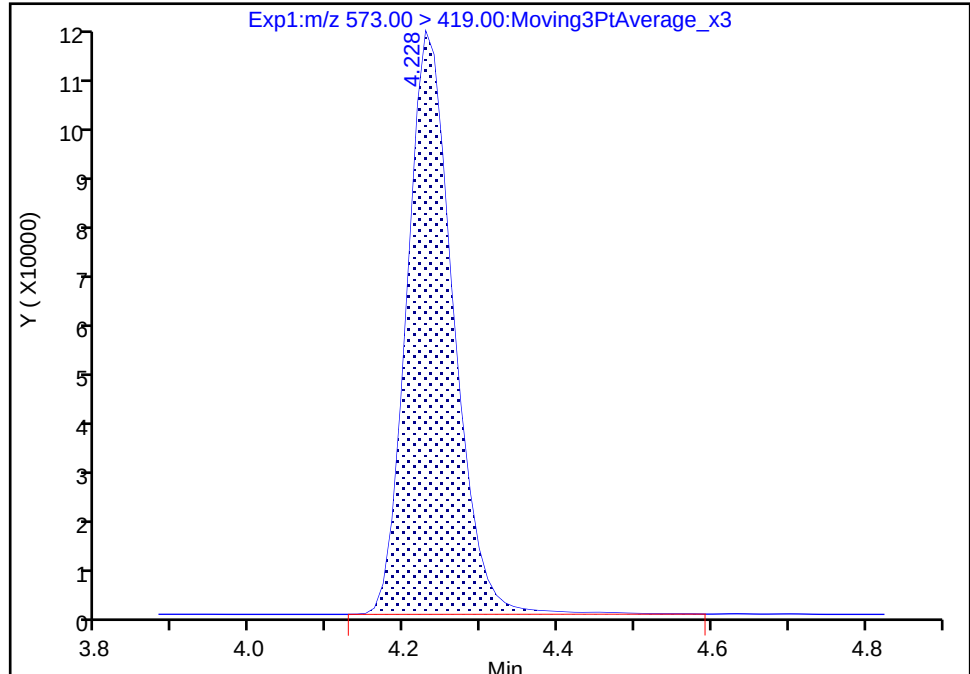
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

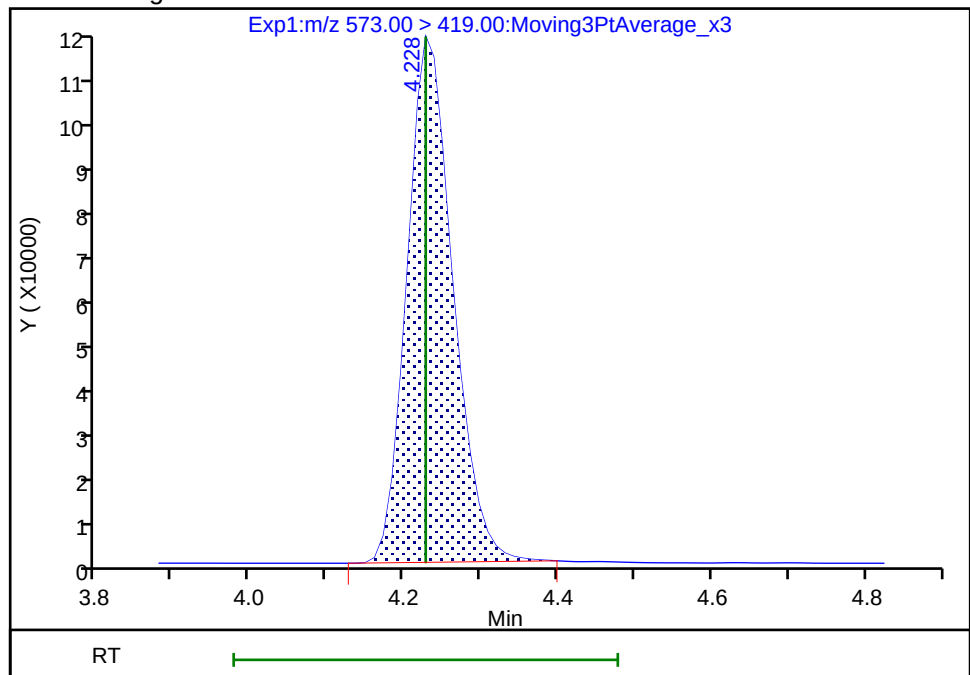
RT: 4.23
Area: 474177
Amount: 1.250000
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 467975
Amount: 1.245981
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:47:03
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

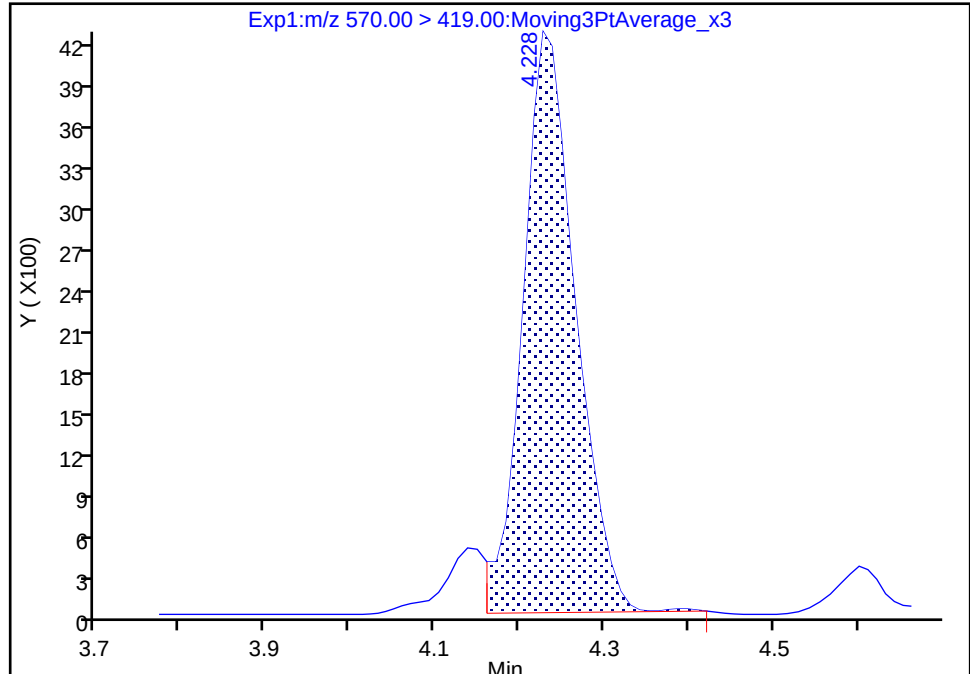
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

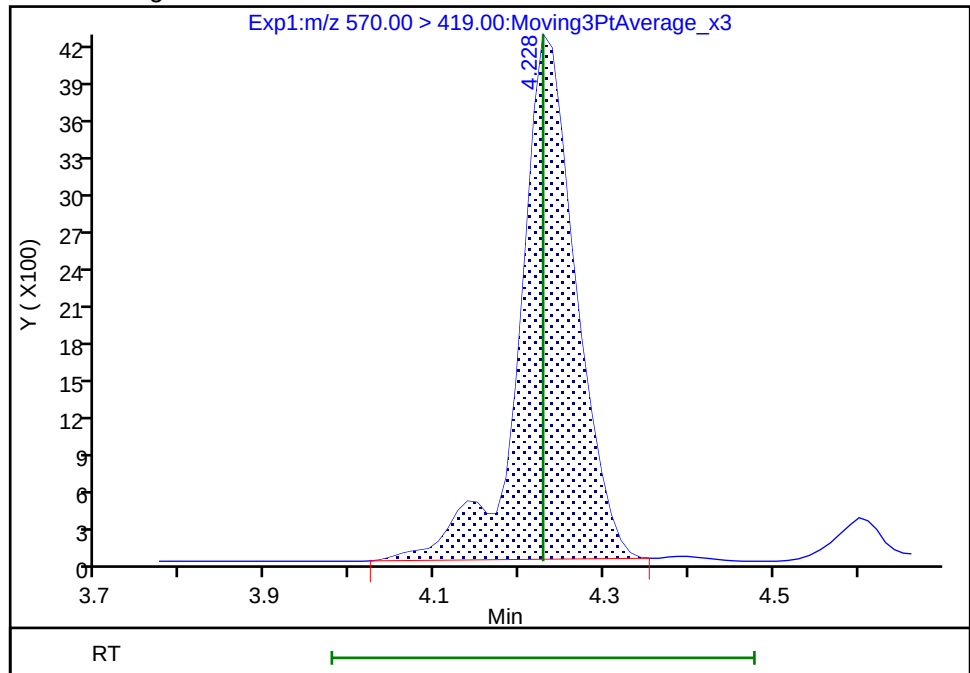
RT: 4.23
Area: 18117
Amount: 0.050000
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 19570
Amount: 0.049139
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:47:07
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

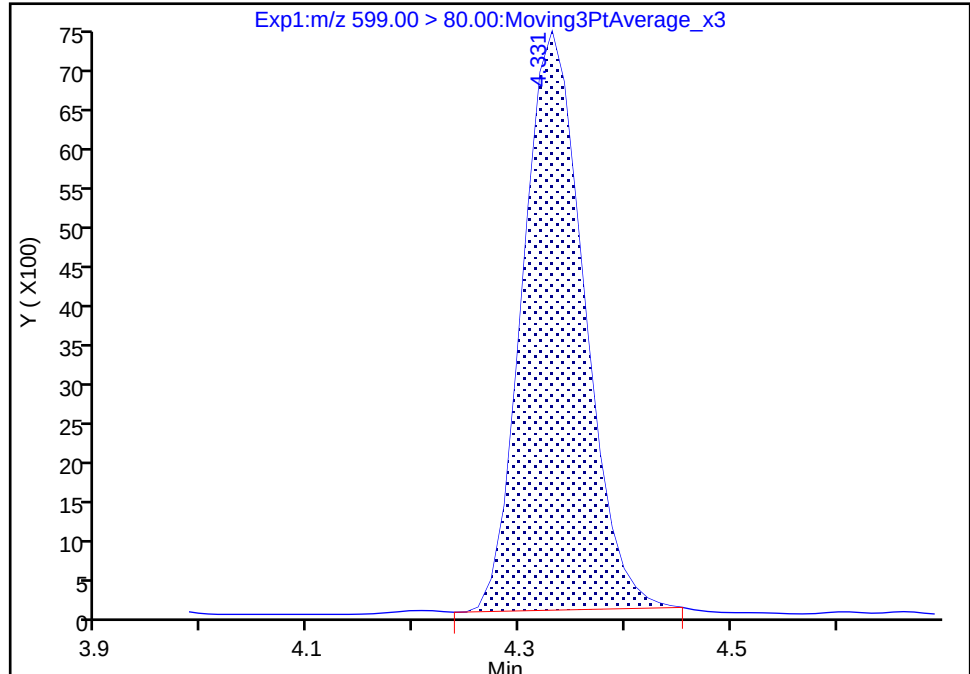
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

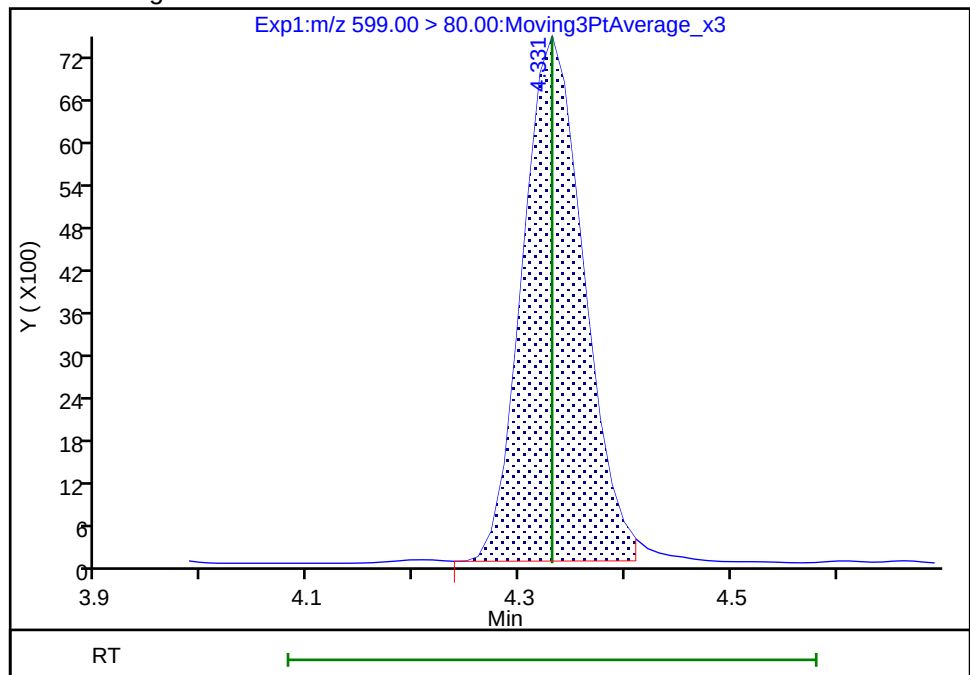
RT: 4.33
Area: 29832
Amount: 0.048200
Amount Units: ng/ml

Processing Integration Results



RT: 4.33
Area: 29817
Amount: 0.049707
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:47:21
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

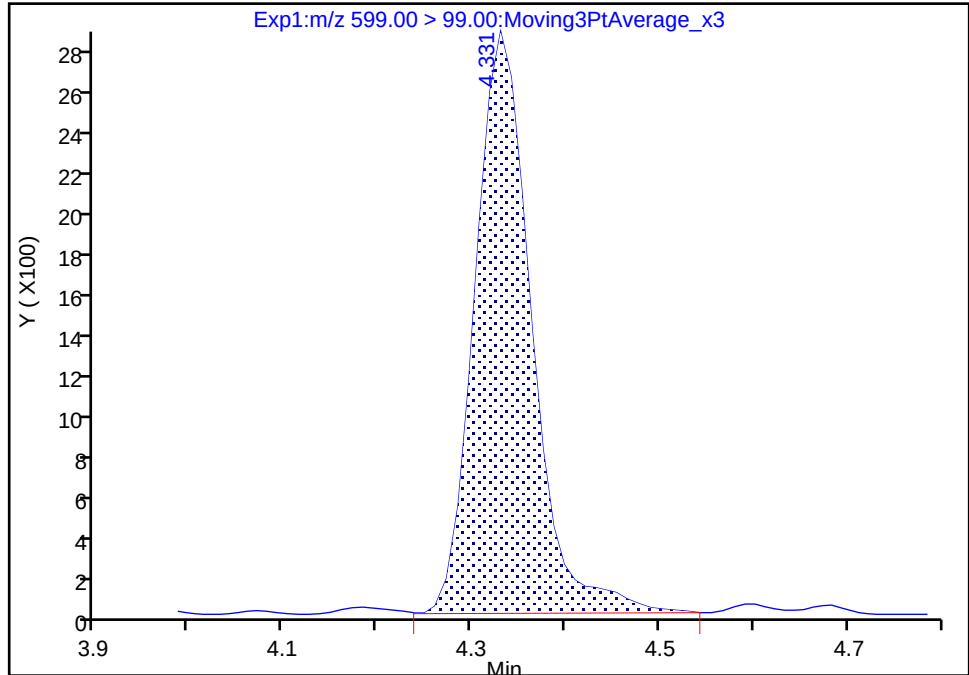
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

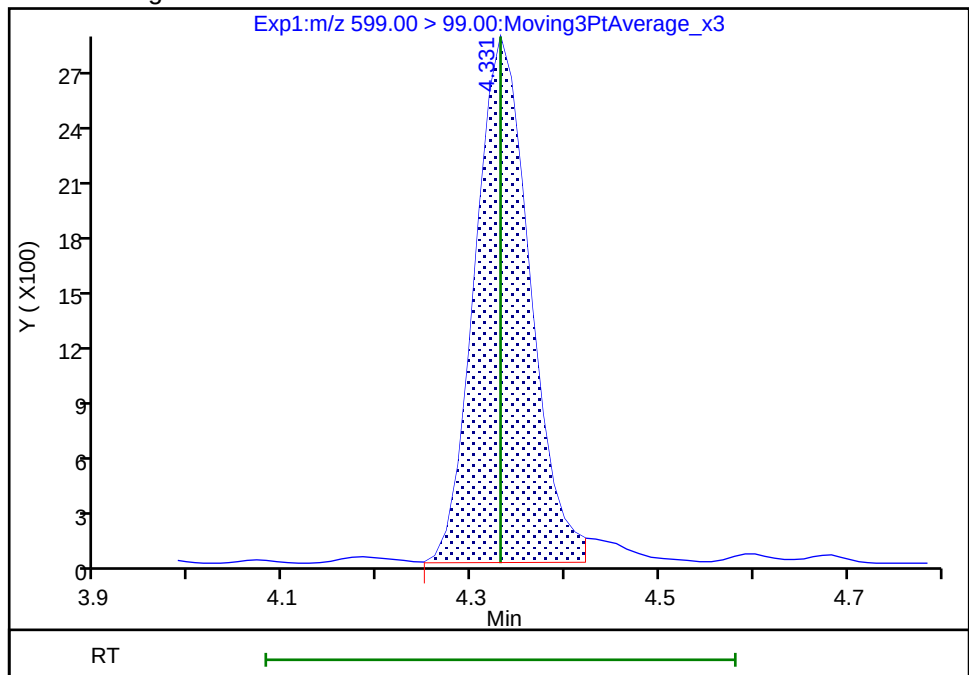
RT: 4.33
Area: 11882
Amount: 0.048200
Amount Units: ng/ml

Processing Integration Results



RT: 4.33
Area: 11494
Amount: 0.049707
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:47:34

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

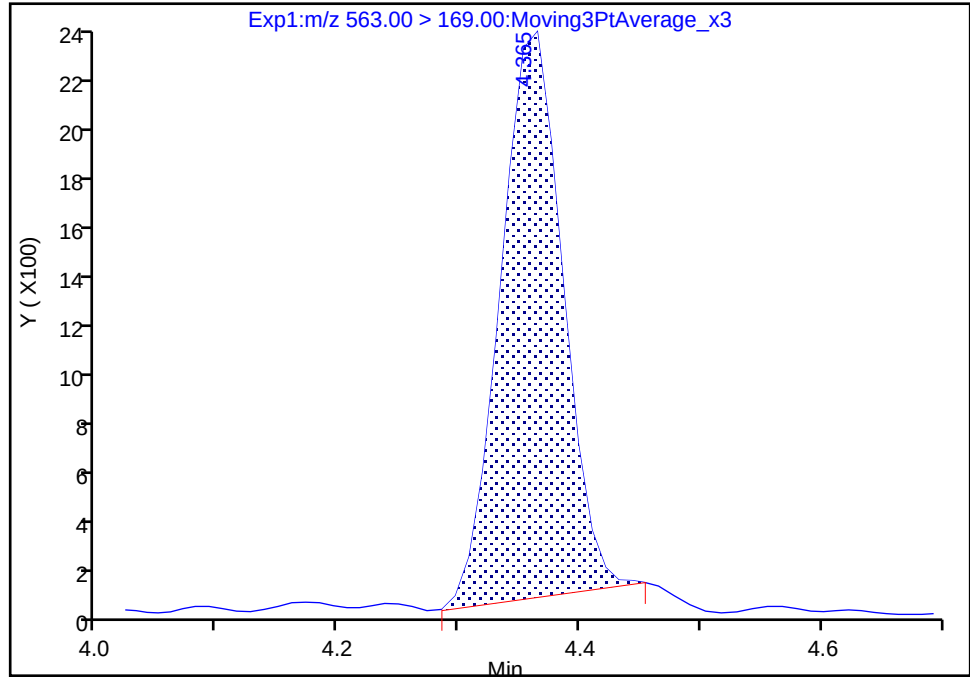
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

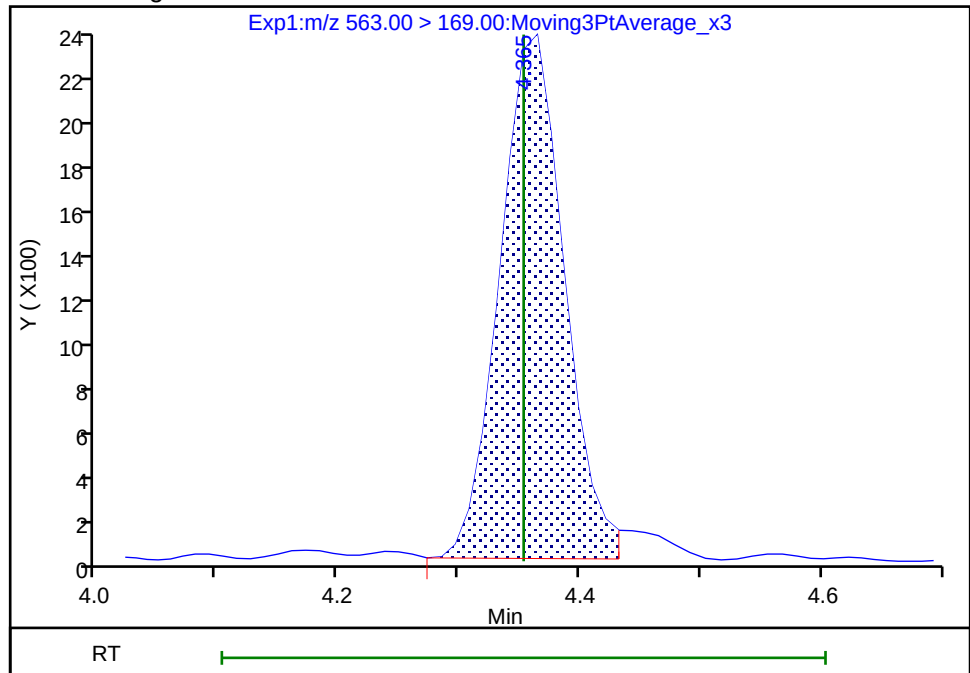
RT: 4.36
Area: 8199
Amount: 0.050000
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 8638
Amount: 0.051917
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:47:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

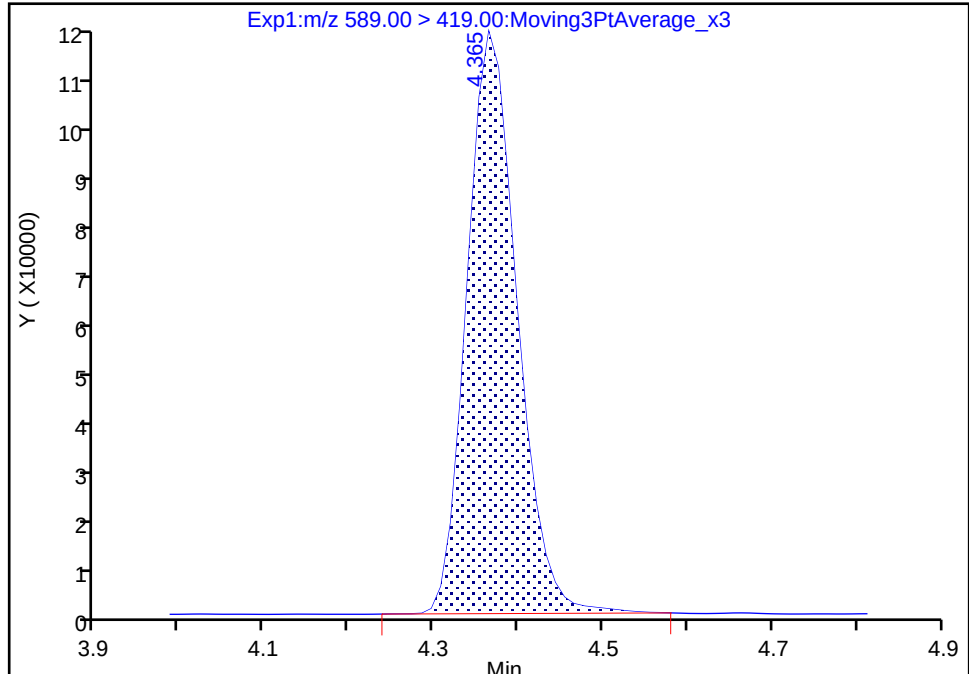
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 32 d5-NEtFOSAA, CAS: STL02117

Signal: 1

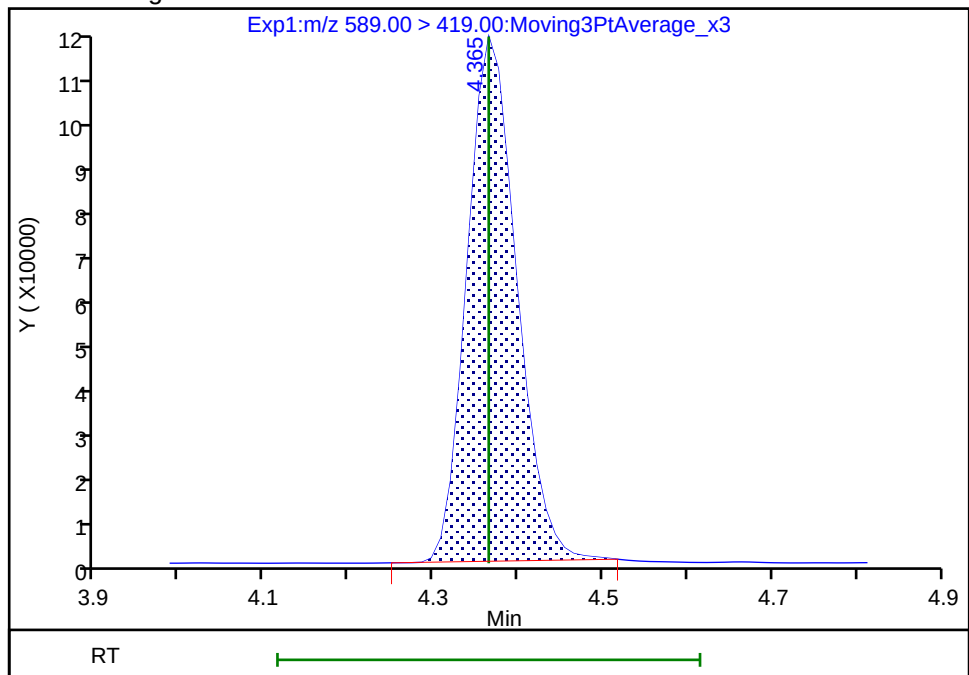
RT: 4.36
Area: 459600
Amount: 1.250000
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 453643
Amount: 1.226647
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:48:03
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

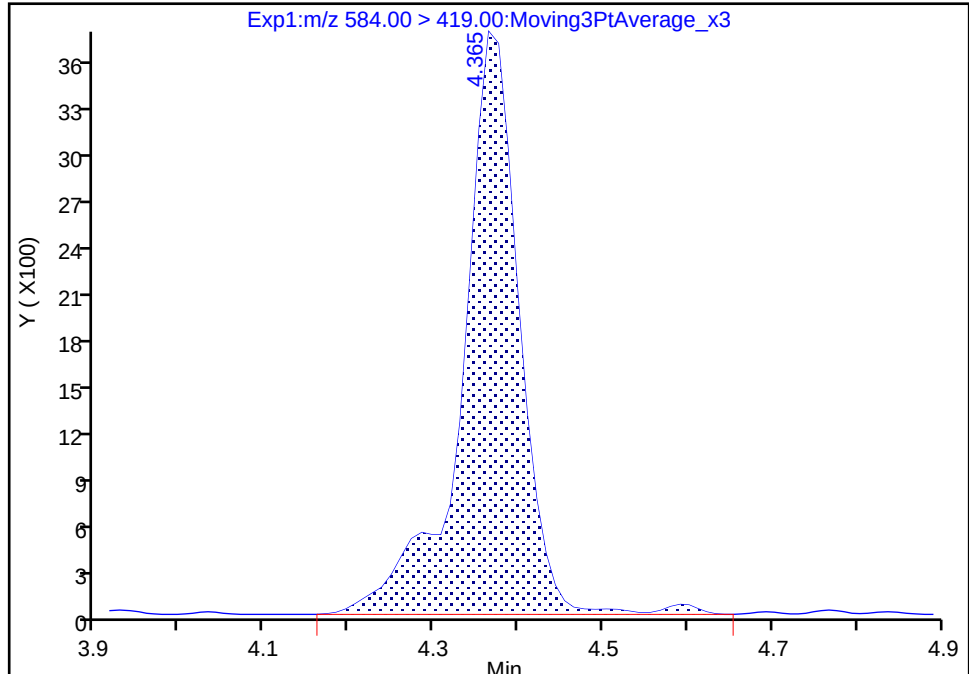
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

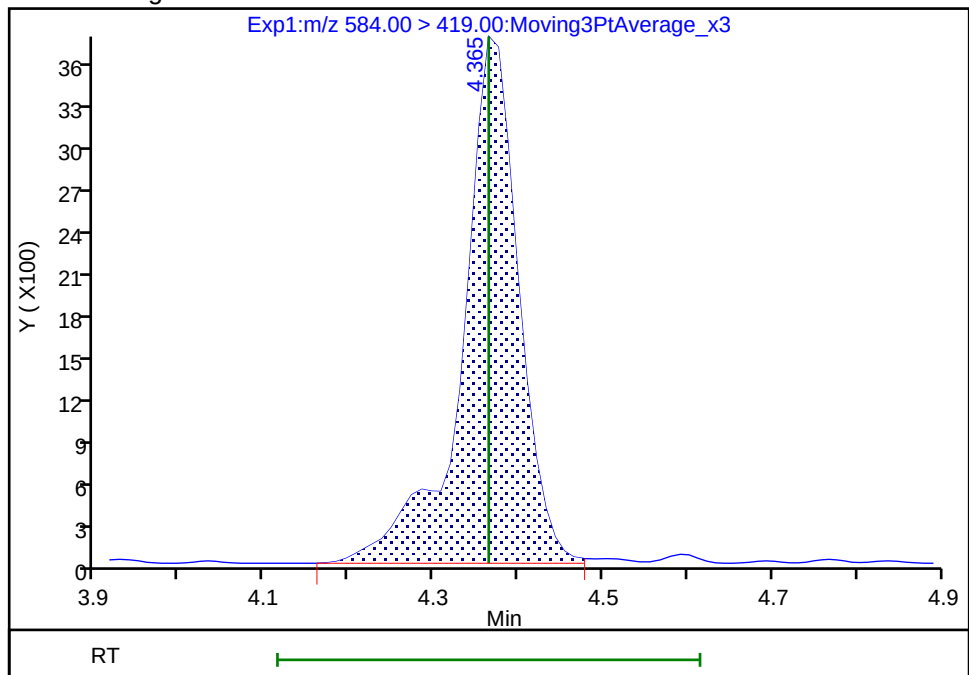
RT: 4.36
Area: 17811
Amount: 0.050000
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 17526
Amount: 0.053943
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:48:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

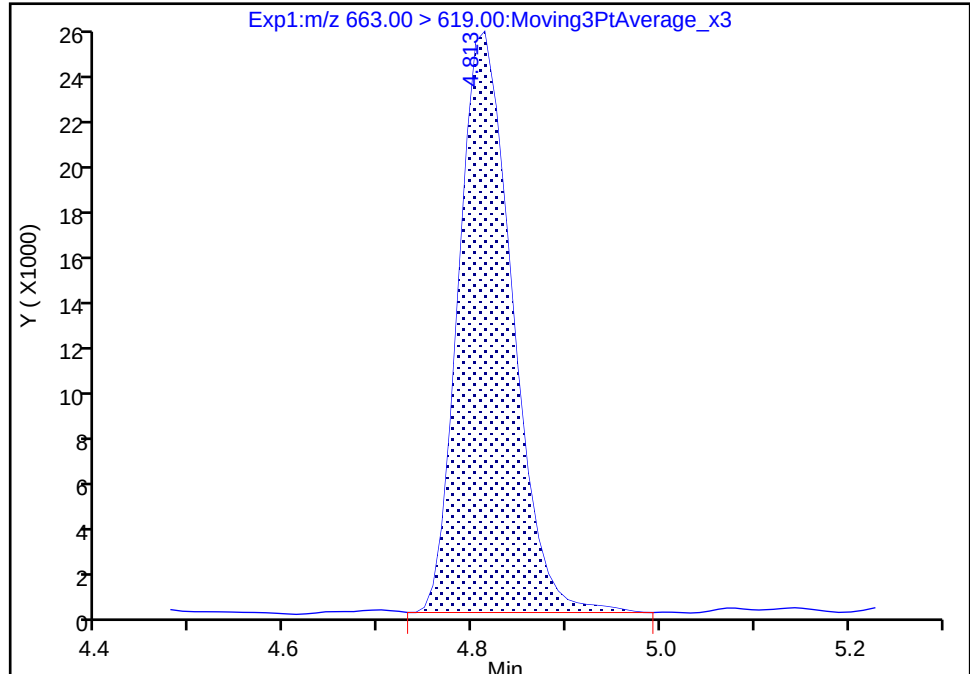
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

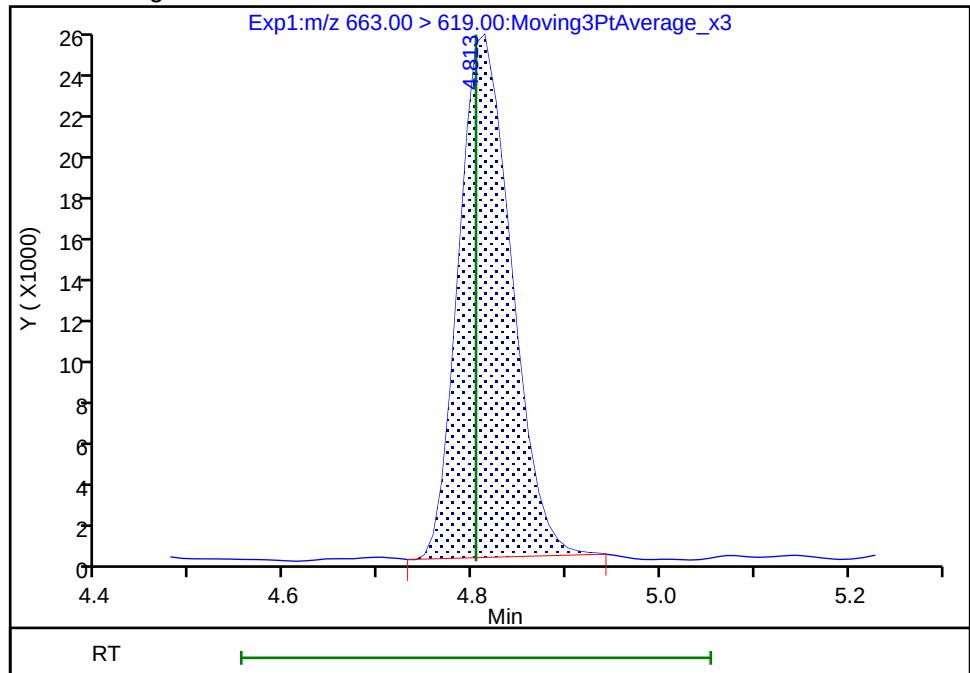
RT: 4.81
Area: 96503
Amount: 0.050000
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 94610
Amount: 0.053532
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:48:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

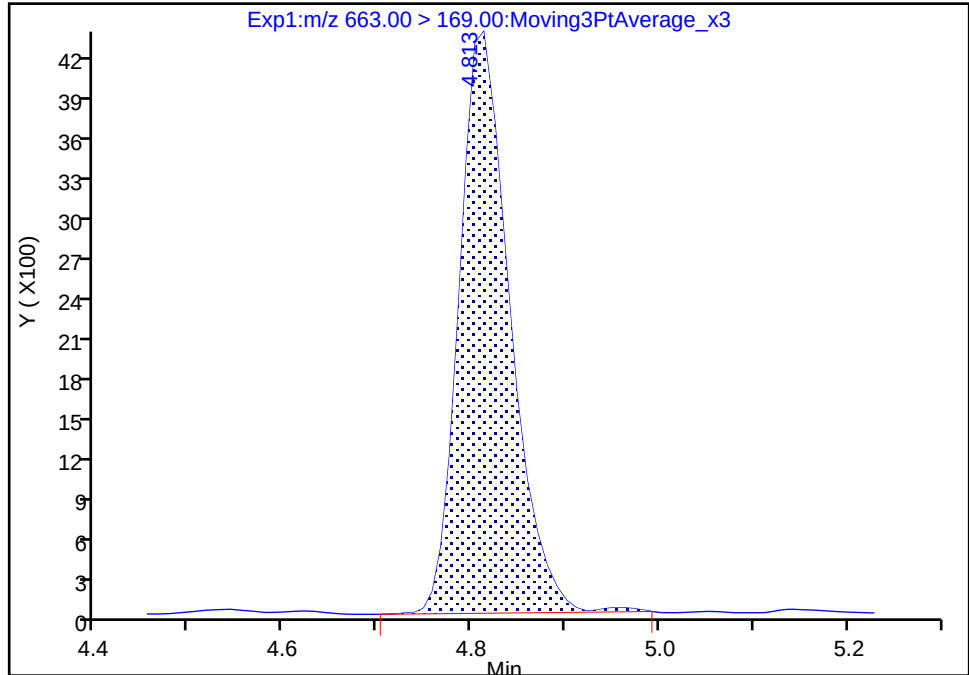
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

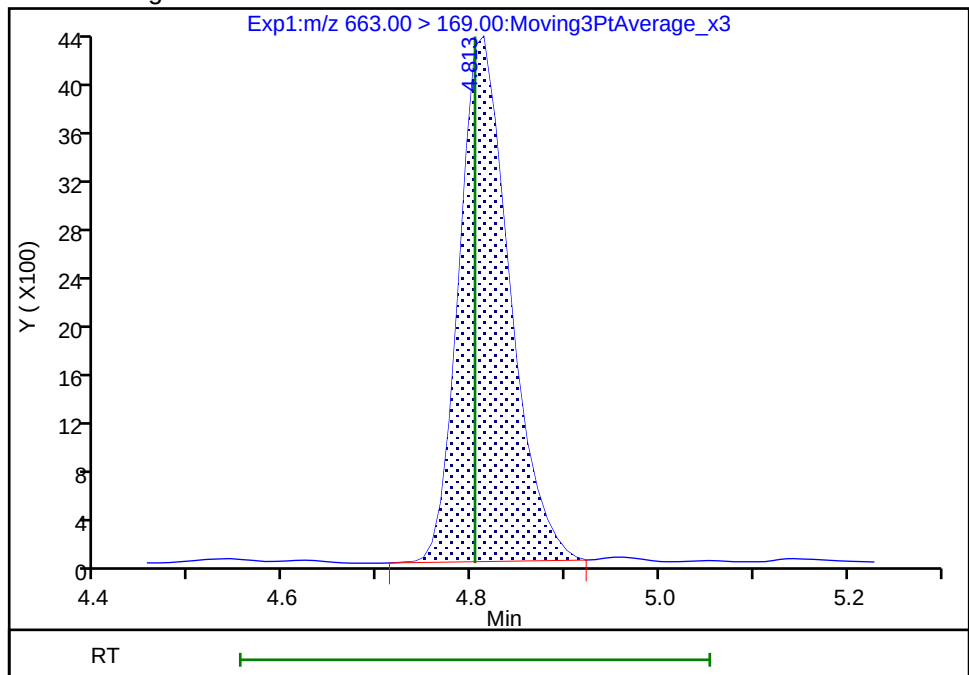
RT: 4.81
Area: 16454
Amount: 0.050000
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 16297
Amount: 0.053532
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:48:34

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

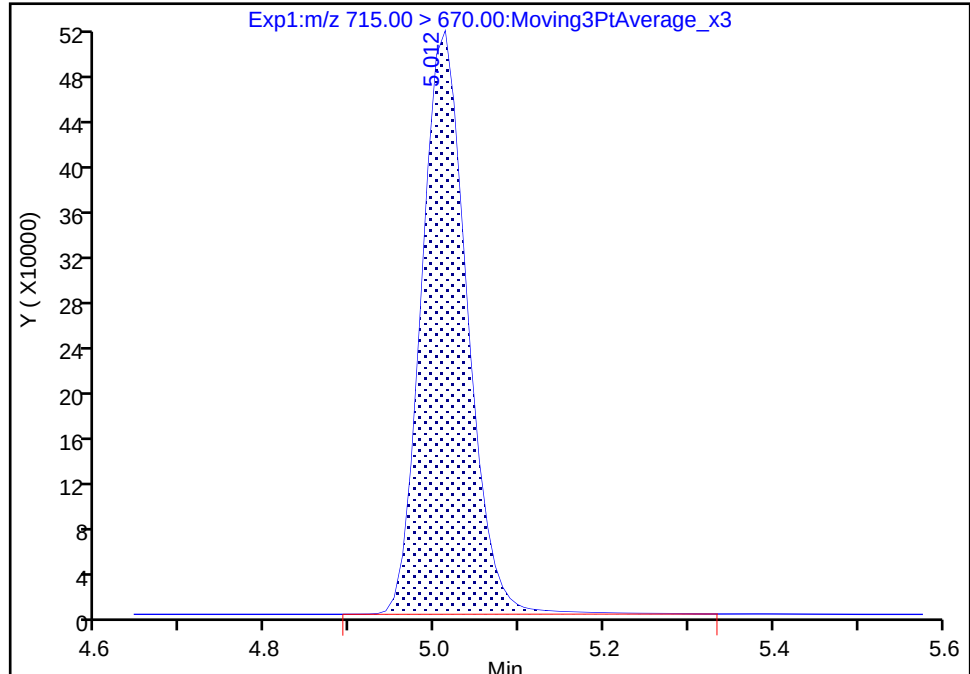
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

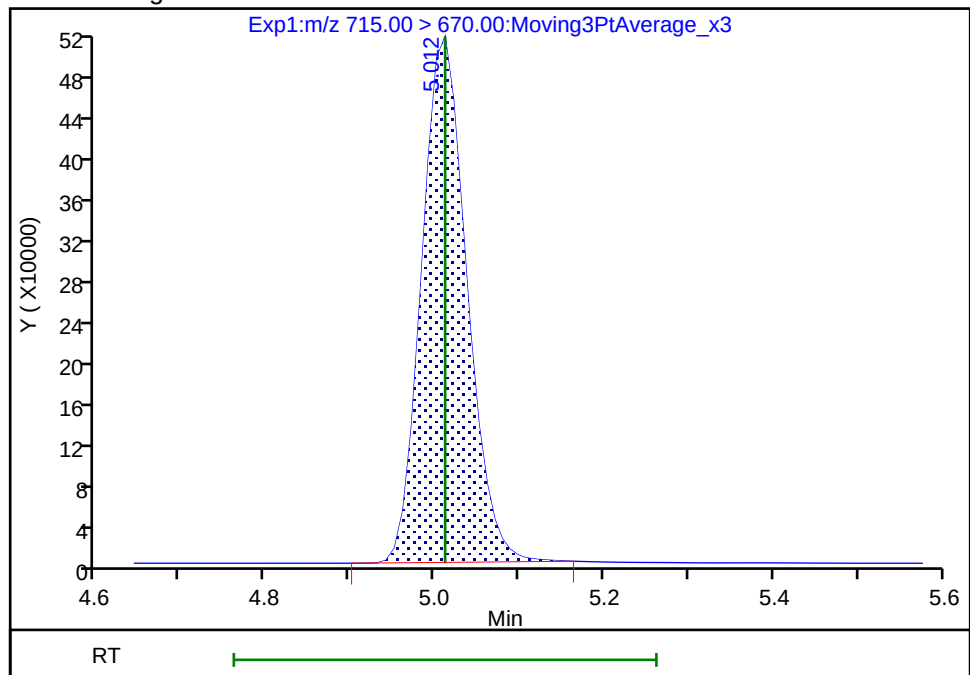
RT: 5.01
Area: 1903053
Amount: 1.250000
Amount Units: ng/ml

Processing Integration Results



RT: 5.01
Area: 1883348
Amount: 1.265294
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:48:40
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

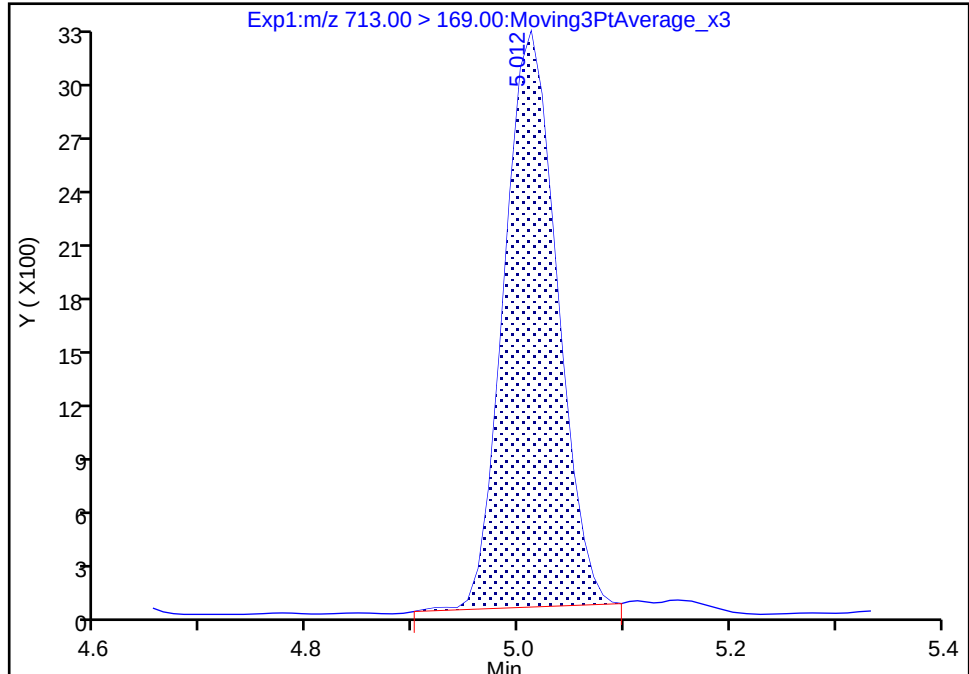
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Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

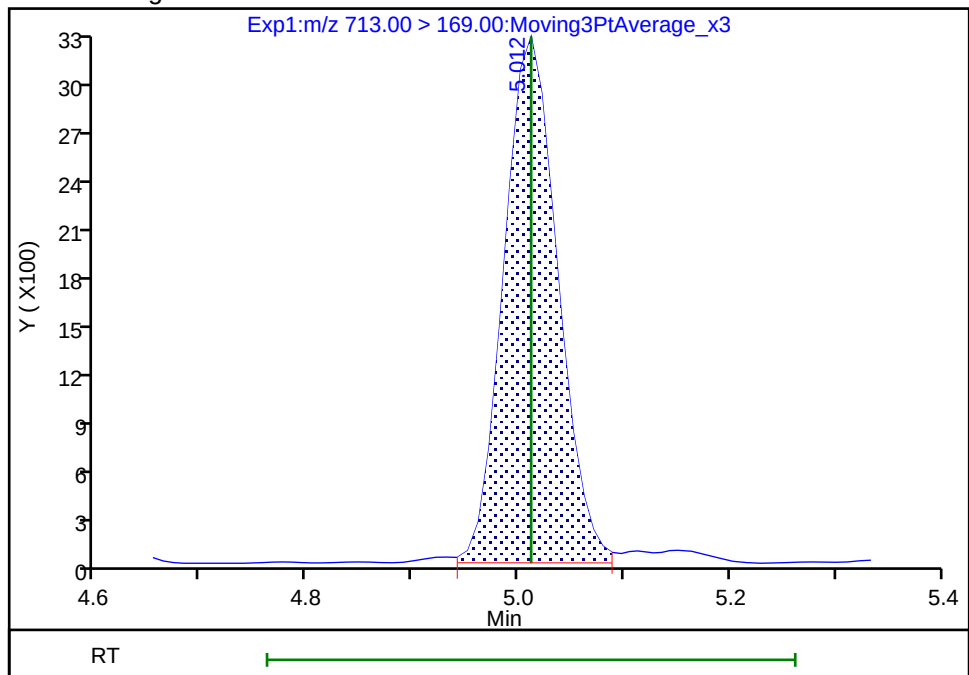
RT: 5.01
Area: 11187
Amount: 0.050000
Amount Units: ng/ml

Processing Integration Results



RT: 5.01
Area: 11500
Amount: 0.055753
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:48:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 18-Nov-2022 14:38:04 ALS Bottle#: 3 Worklist Smp#: 6
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 200-0053396-006 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 18-Nov-2022 15:37:28 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1602

First Level Reviewer: Z1IP

Date: 18-Nov-2022 14:58:14

Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.076	2.076	0.0	0.602	2583086	1.21		96.9	9408	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.076	2.076	0.0	1.000	236091	0.1108		111	21.0	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.386	2.387	-0.001	0.692	1926794	1.19		94.9	3850	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.386	2.387	-0.001	1.000	187282	0.1115		111	4.9	M
D 47 13C3 PFBS										
301.90 > 80.00	2.400	2.400	0.0	0.696	1974243	1.12		96.2	328948	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.400	2.400	0.0	1.000	183390	0.0944	Target=2.14	107	309	
298.90 > 99.00	2.400	2.400	0.0	1.000	85972		2.13(1.07-3.21)	107	70.2	
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.689	2.689	0.0	1.000	45908	0.0984		105	573	
D 60 M2-4:2 FTS										
329.00 > 81.00	2.689	2.689	0.0	0.780	176875	1.13		97.1	179	
D 7 13C2 PFHxA										
315.00 > 270.00	2.725	2.725	0.0	0.791	2057289	1.21		96.7	7228	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.725	2.725	0.0	1.000	191103	0.1066	Target=13.44	107	38.9	M
313.00 > 119.00	2.737	2.725	0.012	1.004	15417		12.40(6.72-20.15)	107	31.5	
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.737	2.737	0.0	0.887	163879	0.0962	Target=2.98	103	479	
349.00 > 99.00	2.737	2.737	0.0	0.887	57172		2.87(1.49-4.47)	103	155	
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.835	2.835	0.0	0.822	352715	1.17		93.9	2364	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.835	2.835	0.0	1.000	32429	0.1088		109	149	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.087	3.088	-0.001	0.896	1507942	1.17		99.2	4316	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.087	3.088	-0.001	1.000	130263	0.0905	Target=3.57	99.5	182	M
399.00 > 99.00	3.087	3.088	-0.001	1.000	38491		3.38(1.78-5.35)	99.5	56.5	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.098	3.099	-0.001	0.899	2087570	1.19		95.4	3803	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.098	3.099	-0.001	1.000	194803	0.1071	Target=3.93	107	42.8	
363.00 > 169.00	3.098	3.099	-0.001	1.000	47936		4.06(1.96-5.89)	107	94.2	
77 DONA										
377.00 > 251.00	3.132	3.132	0.0	0.832	483450	0.1038	Target=3.08	110	566	
377.00 > 85.00	3.132	3.132	0.0	0.832	147632		3.27(1.54-4.62)	110	242	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.438	3.439	-0.001	0.997	254748	1.18		99.5	767	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.438	3.439	-0.001	1.000	45963	0.0896		94.5	167	
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.438	3.439	-0.001	0.914	121399	0.1028	Target=5.16	108	441	M
449.00 > 99.00	3.438	3.439	-0.001	0.914	23934		5.07(2.58-7.74)	108	110	
D 14 13C4 PFOA										
417.00 > 372.00	3.446	3.448	-0.002	1.000	2369406	1.20		96.3	3967	
* 62 13C2 PFOA										
415.00 > 370.00	3.446	3.448	-0.002		2377284	1.25			4122	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.446	3.448	-0.002	1.000	206480	0.1019	Target=2.82	102	15.9	
413.00 > 169.00	3.446	3.448	-0.002	1.000	71984		2.87(1.41-4.23)	102	117	M
D 18 13C4 PFOS										
503.00 > 80.00	3.762	3.764	-0.002	1.092	1010315	1.16		96.9	3177	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.762	3.764	-0.002	1.000	105528	0.1026	Target=5.01	111	19.8	M
499.00 > 99.00	3.762	3.764	-0.002	1.000	20524		5.14(2.50-7.51)	111	18.9	M
D 19 13C5 PFNA										
468.00 > 423.00	3.781	3.783	-0.002	1.097	2362013	1.23		98.8	5871	
20 Perfluorononanoic acid										M
463.00 > 419.00	3.781	3.783	-0.002	1.000	201460	0.1028	Target=8.49	103	42.2	M
463.00 > 169.00	3.781	3.783	-0.002	1.000	23149		8.70(4.25-12.74)	103	158	M
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.927	3.928	-0.001	1.044	230911	0.0979		105	881	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.050	4.050	0.0	1.076	79193	0.1020	Target=2.60	106	665	
549.00 > 99.00	4.060	4.050	0.010	1.079	30661		2.58(1.30-3.90)	106	228	
D 23 13C2 PFDA										M
515.00 > 470.00	4.081	4.081	0.0	1.184	2439344	1.25		100	2392	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										
513.00 > 469.00	4.081	4.081	0.0	1.000	217999	0.1030	Target=10.03 9.58(5.02-15.05)	103	91.5	
513.00 > 169.00	4.081	4.081	0.0	1.000	22750			103	49.9	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.092	4.093	-0.001	1.187	307241	1.16		97.3	979	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.092	4.093	-0.001	1.000	41049	0.0989		103	314	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.150	4.150	0.0	1.000	172977	0.1090		109	454	
D 21 13C8 FOSA										
506.00 > 78.00	4.150	4.150	0.0	1.204	1899612	1.19		95.1	1746	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.228	4.228	0.0	1.227	478399	1.21		96.4	1389	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.238	4.228	0.010	1.002	34156	0.0921		92.1	69.3	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.331	4.331	0.0	1.151	60768	0.0992	Target=2.58 2.27(1.29-3.86)	103	528	
599.00 > 99.00	4.319	4.331	-0.012	1.148	26777			103	451	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.353	4.353	0.0	1.000	176444	0.1033	Target=10.10 10.16(5.05-15.15)	103	79.0	M
563.00 > 169.00	4.353	4.353	0.0	1.000	17359			103	193	
D 30 13C2 PFUnA										
565.00 > 520.00	4.353	4.353	0.0	1.263	2119319	1.19		95.0	2896	
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.365	4.365	-0.001	1.000	36650	0.1062		106	294	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.365	4.365	-0.001	1.266	481823	1.23		98.6	823	
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.454	4.454	0.0	1.184	370183	0.1018		108	942	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.591	4.591	0.0	1.000	194829	0.1069	Target=7.41 7.25(3.70-11.11)	107	14.3	M
613.00 > 169.00	4.591	4.591	0.0	1.000	26866			107	229	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.591	4.591	0.0	1.332	2150435	1.18		94.6	2247	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.612	4.612	0.0	1.127	24005	0.0963		99.9	288	
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.776	4.776	0.0	1.269	26552	0.1024	Target=0.51 0.52(0.25-0.76)	106	356	M
699.00 > 99.00	4.776	4.776	0.0	1.269	51408			106	502	M
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.803	4.804	-0.001	1.046	189059	0.1085	Target=5.40 5.50(2.70-8.10)	108	14.6	M
663.00 > 169.00	4.803	4.804	-0.001	1.046	34380			108	228	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.012	5.012	0.0	1.000	21567	0.1016	Target=0.90 0.91(0.45-1.35)	102	213	
713.00 > 219.00	5.002	5.012	-0.010	0.998	23639			102	321	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.012	5.012	0.0	1.454	1938056	1.23		98.6	1755	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										
815.00 > 770.00	5.366	5.367	-0.001	1.557	2401907	1.24		98.8	4376	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.366	5.367	-0.001	1.000	206119	0.0996	Target=5.85	99.6	19.0	
813.00 > 169.00	5.366	5.367	-0.001	1.000	34091		6.05(2.93-8.78)	99.6	238	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.722	5.722	0.0	1.066	159361	0.1007	Target=6.30	101	19.9	M
913.00 > 169.00	5.722	5.722	0.0	1.066	24213		6.58(3.15-9.46)	101	250	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC2_00013

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d

Injection Date: 18-Nov-2022 14:38:04

Instrument ID: LC812

Lims ID: IC

Client ID:

Operator ID: lc812tech

ALS Bottle#: 3

Worklist Smp#: 6

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

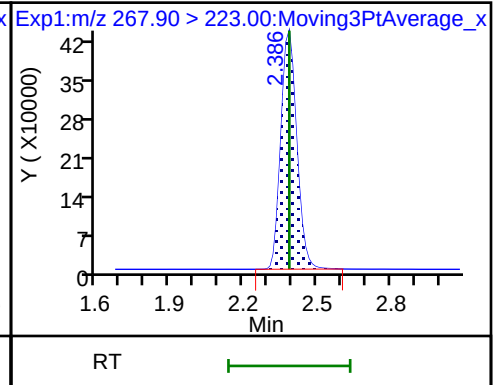
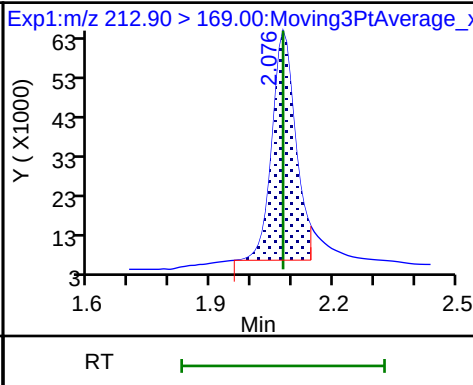
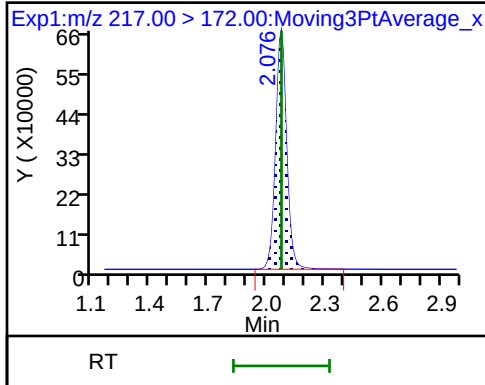
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

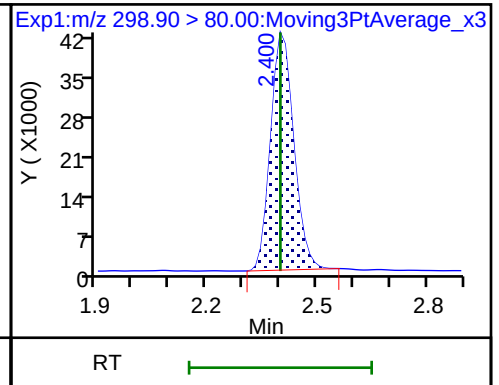
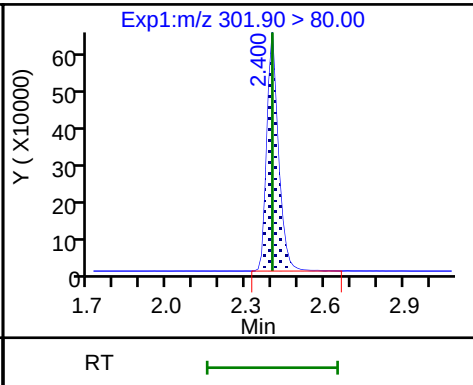
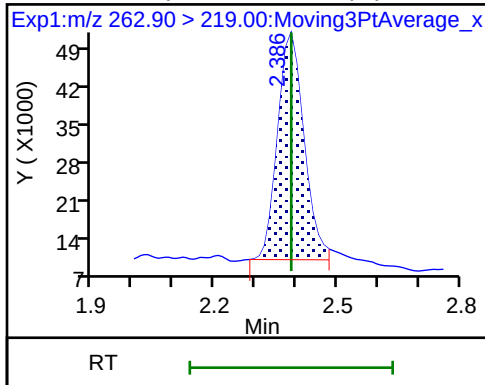
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

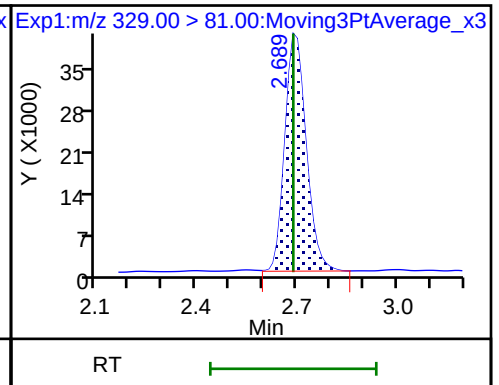
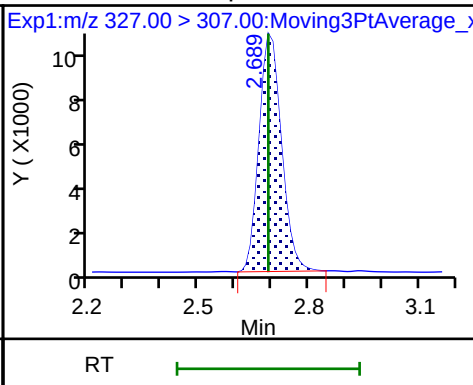
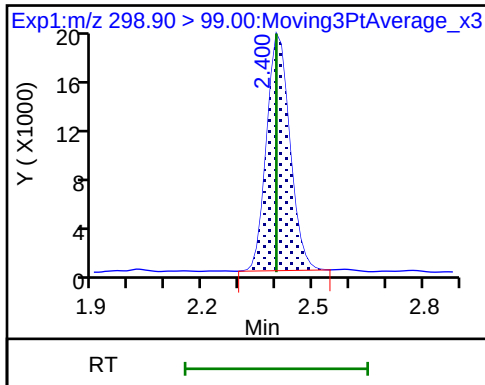
D 47 13C3 PFBS

5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid

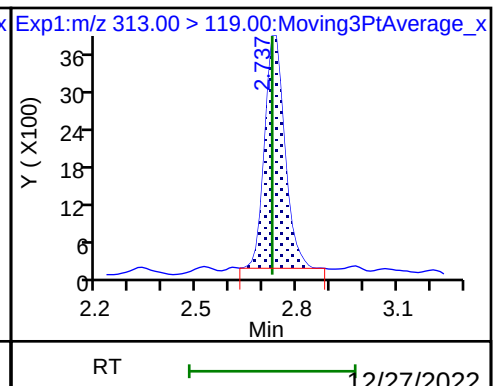
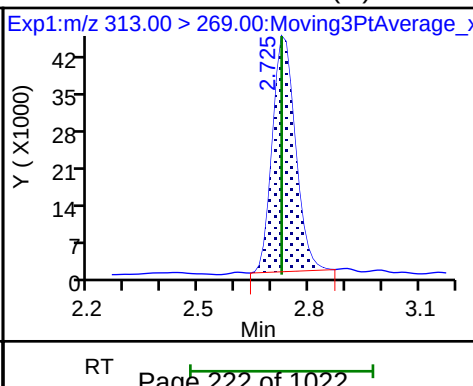
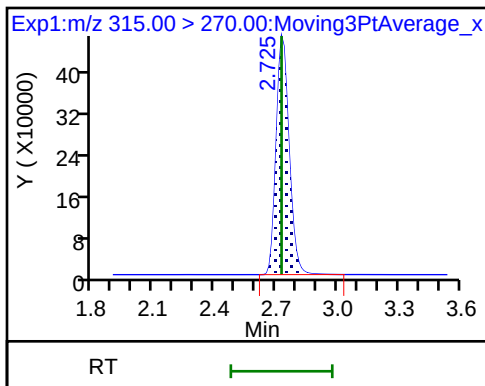
61 1H,1H,2H,2H-perfluorohexanesulfo D 60 M2-4:2 FTS

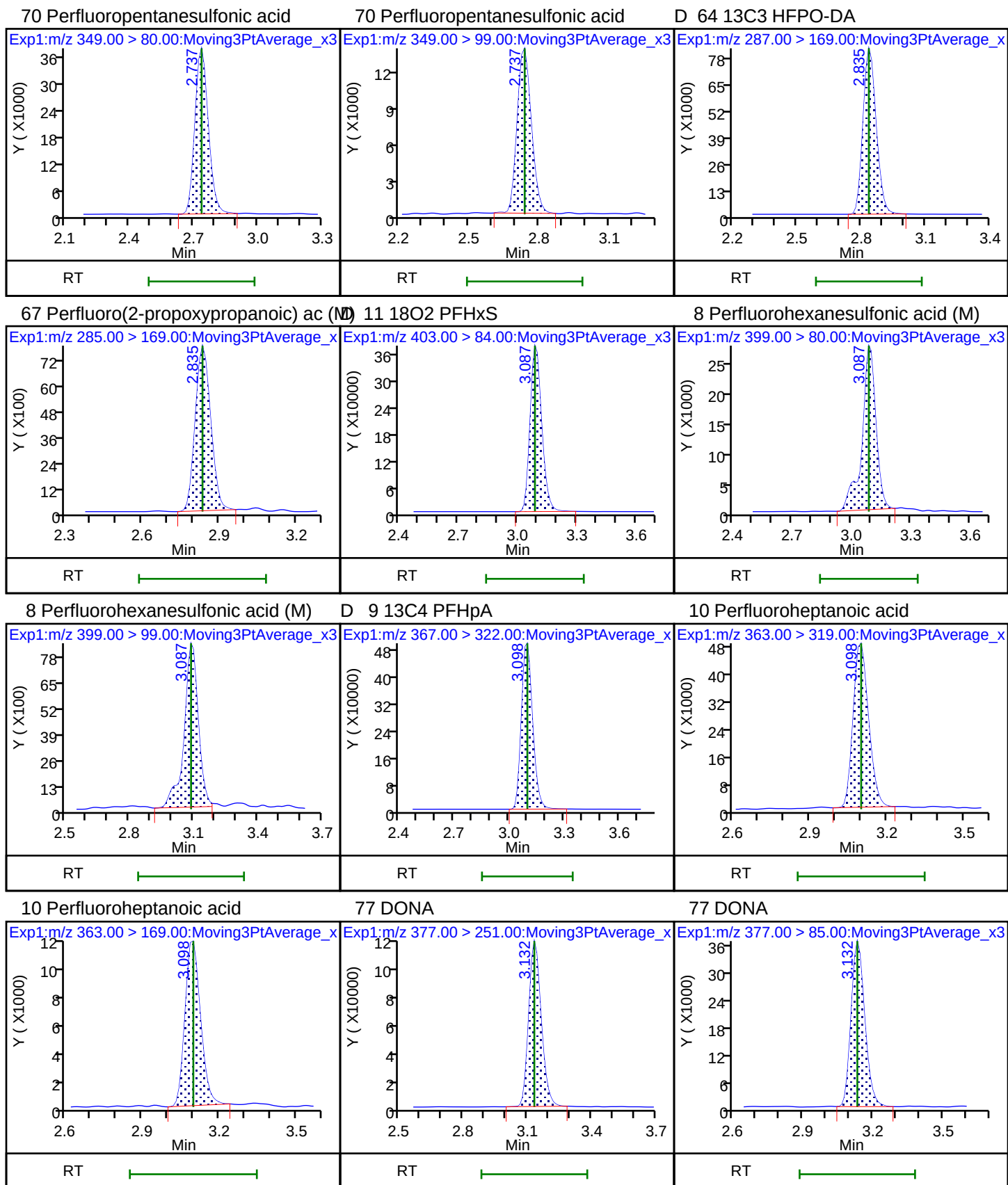


D 7 13C2 PFHxA

6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid

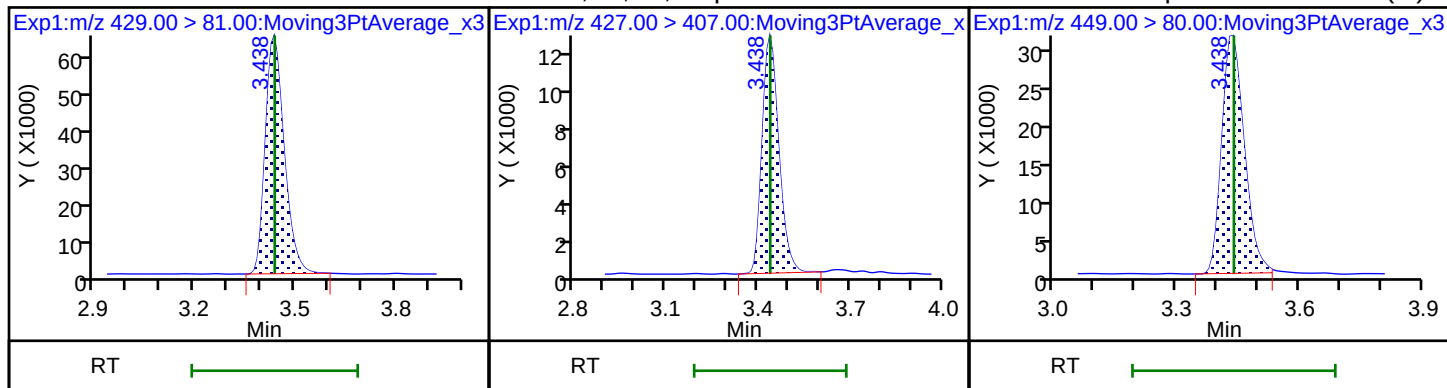




D 12 M2-6:2 FTS

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

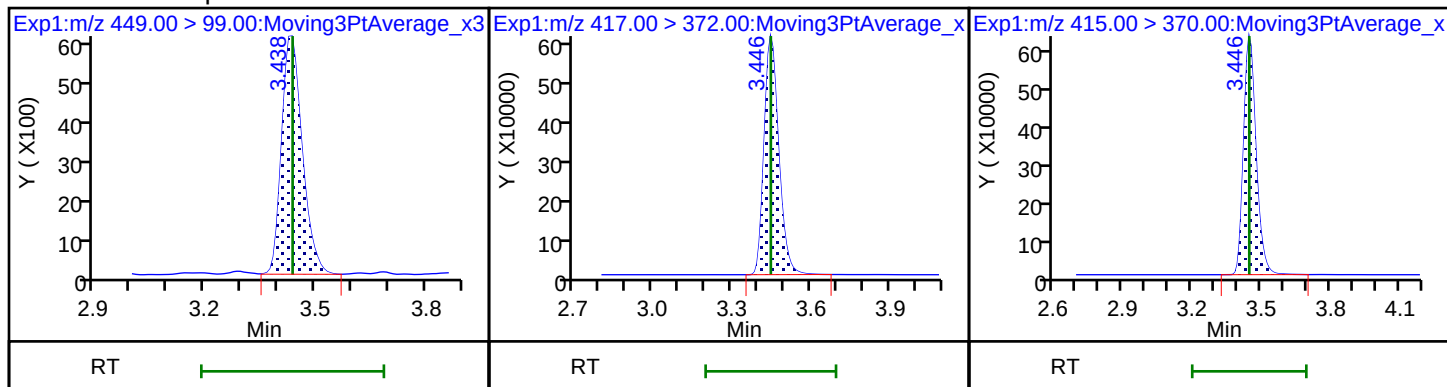
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid

D 14 13C4 PFOA

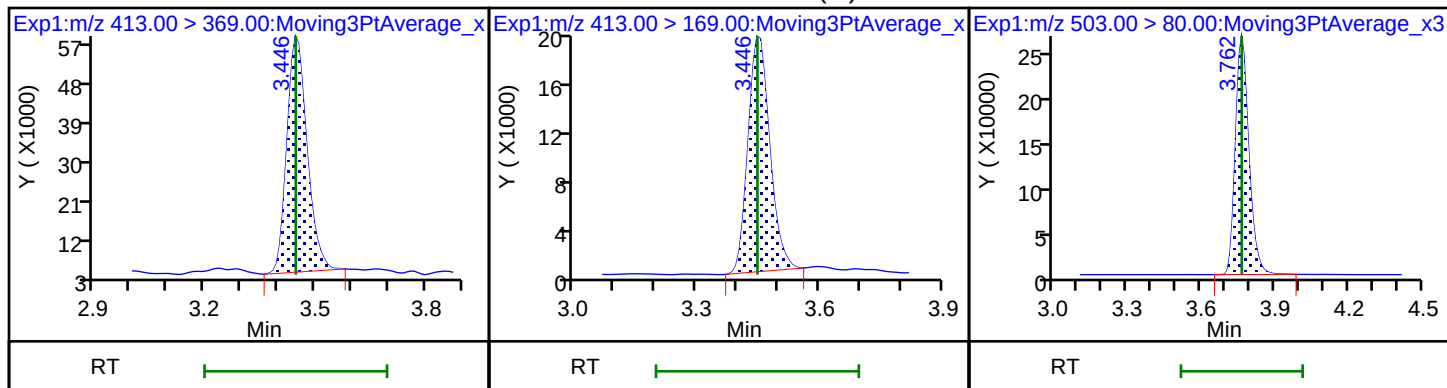
* 62 13C2 PFOA



15 Perfluorooctanoic acid

15 Perfluorooctanoic acid (M)

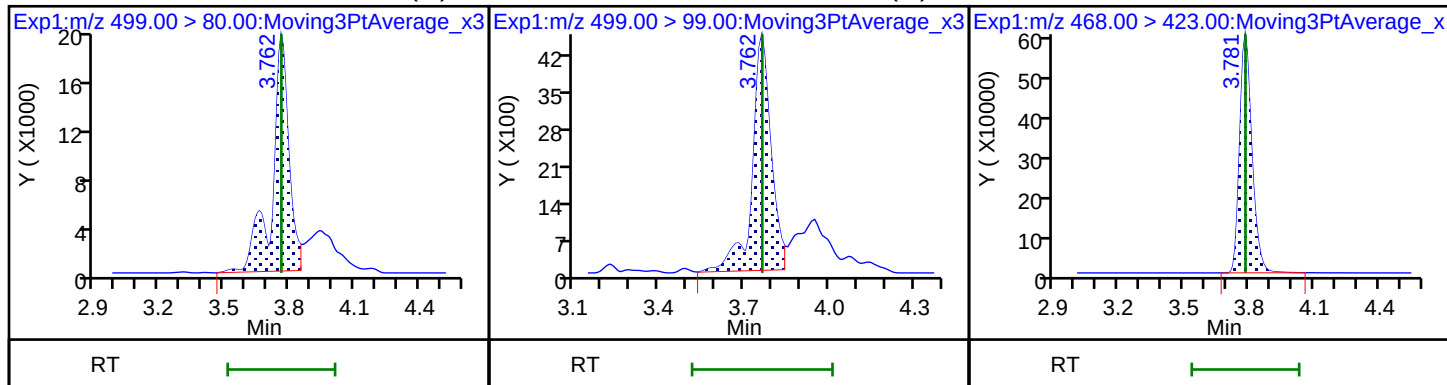
D 18 13C4 PFOS

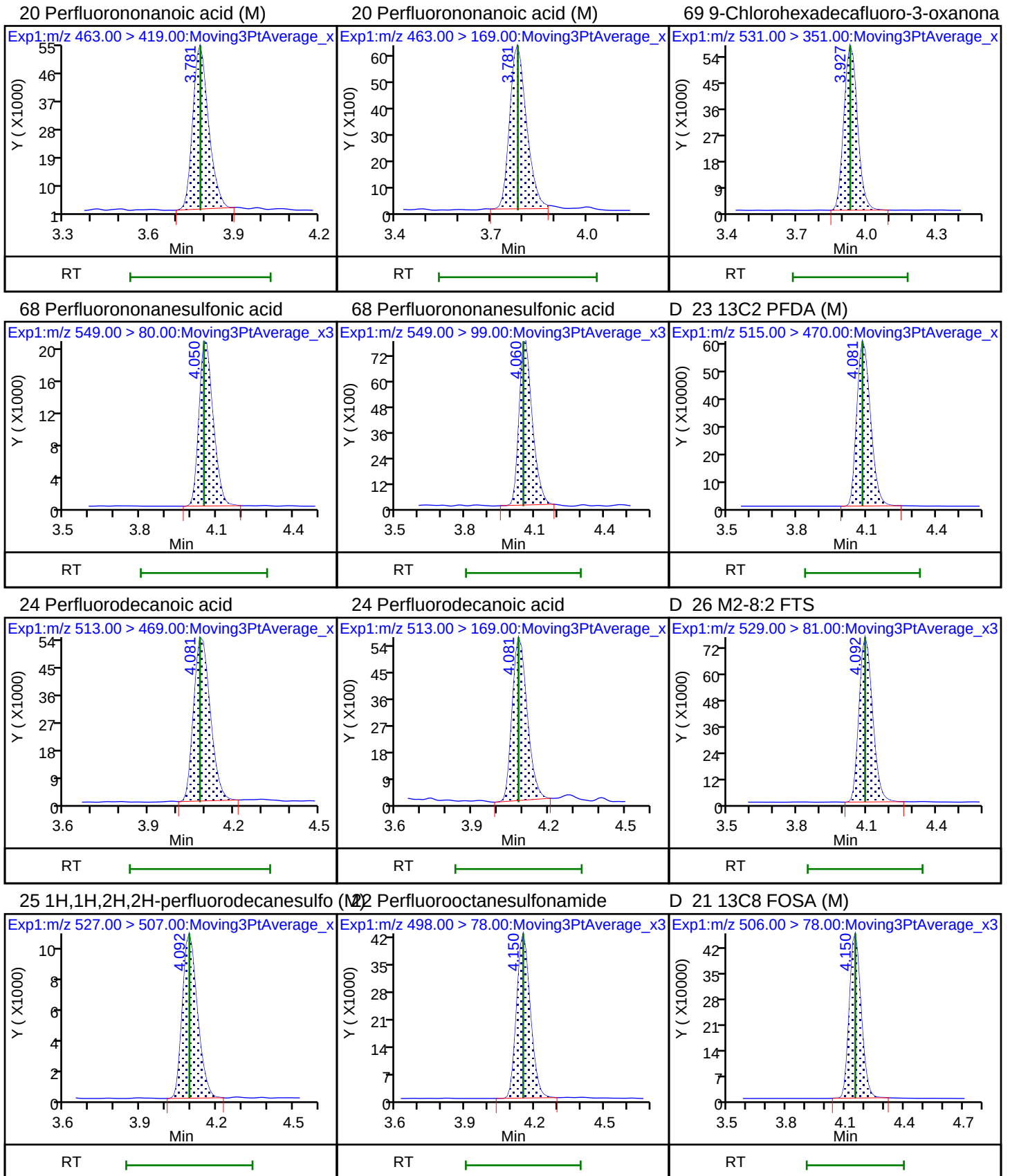


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

D 19 13C5 PFNA

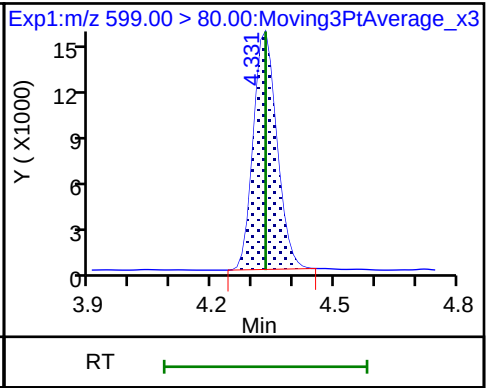
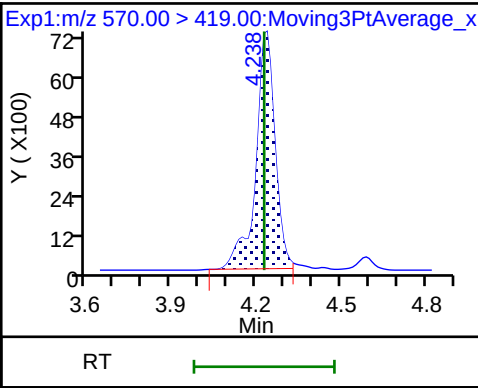
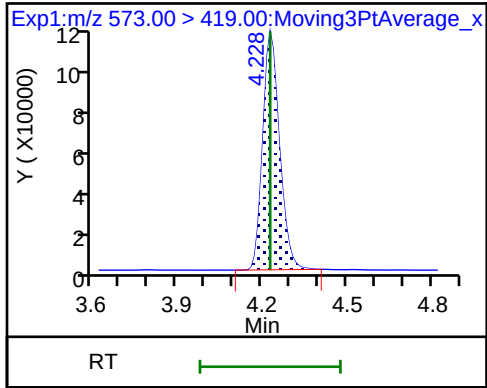




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

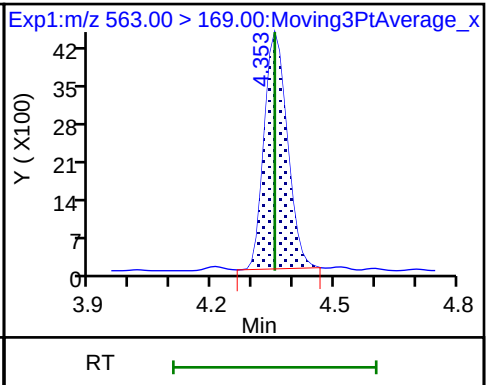
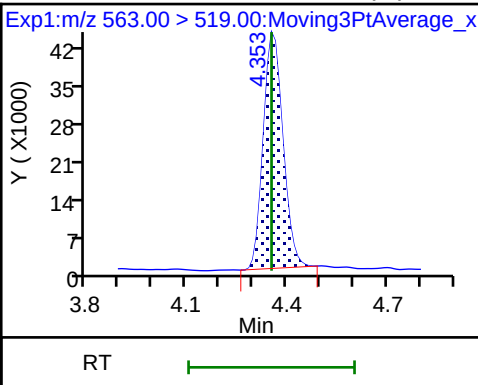
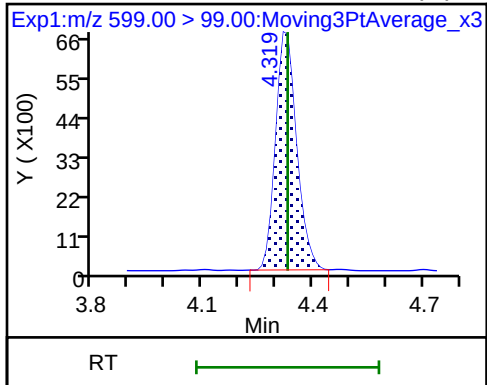
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid (M)

31 Perfluoroundecanoic acid (M)

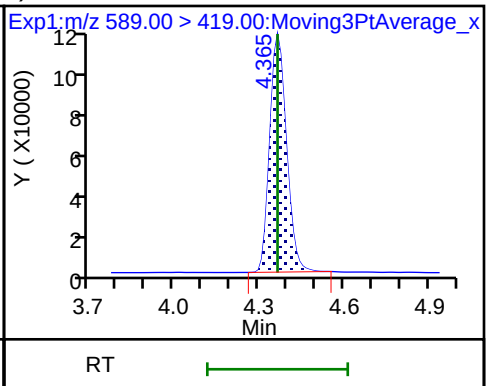
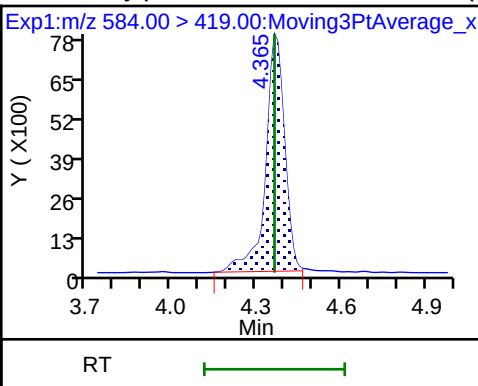
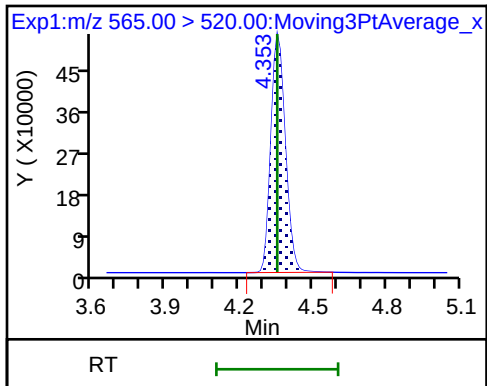
31 Perfluoroundecanoic acid



D 30 13C2 PFUnA

33 N-ethylperfluorooctanesulfonamid (M)

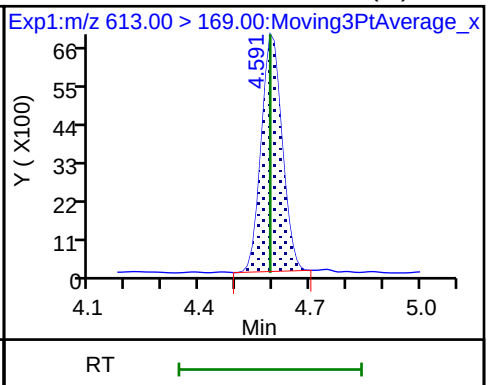
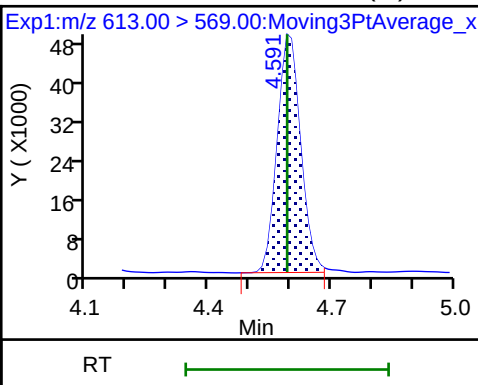
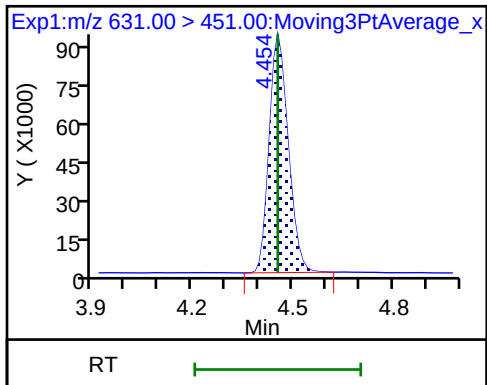
32 d5-NEtFOSAA



66 11-Chloroeicosafluoro-3-oxaundec

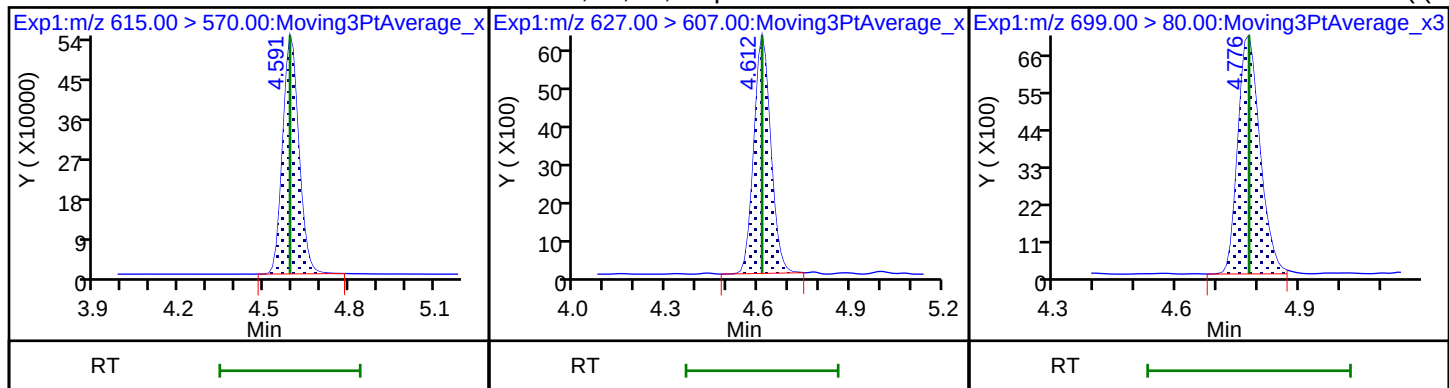
37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid (M)



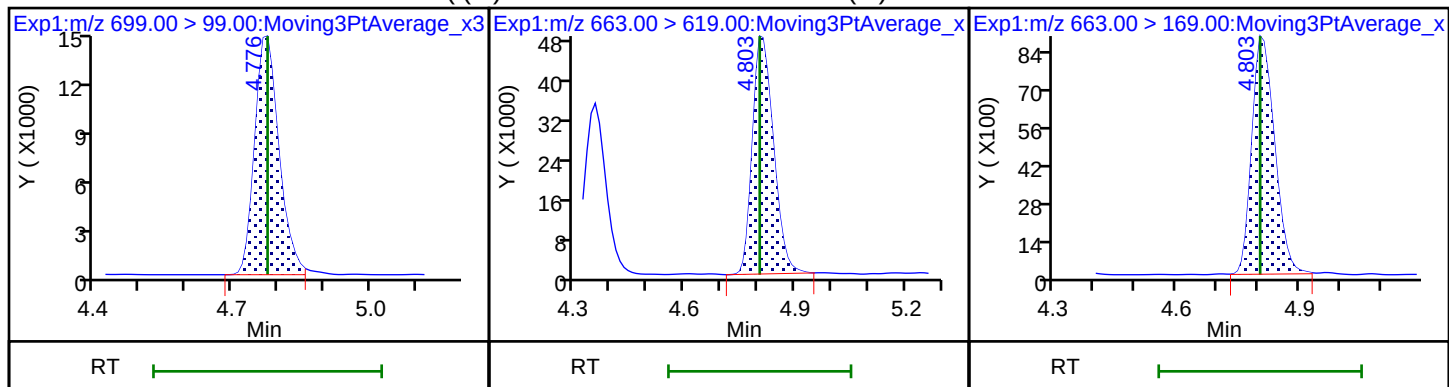
D 36 13C2 PFD0A

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



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

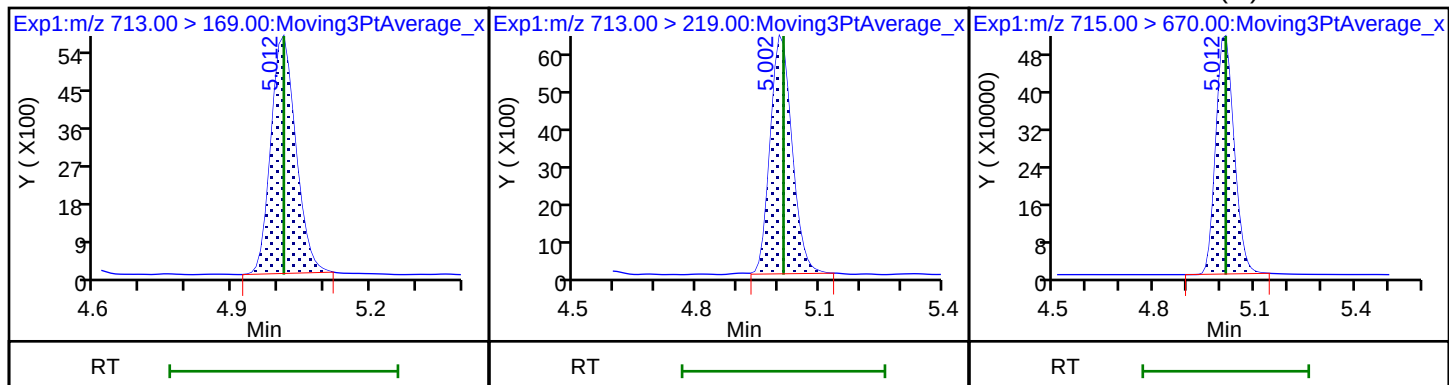
41 Perfluorotridecanoic acid



42 Perfluorotetradecanoic acid

42 Perfluorotetradecanoic acid

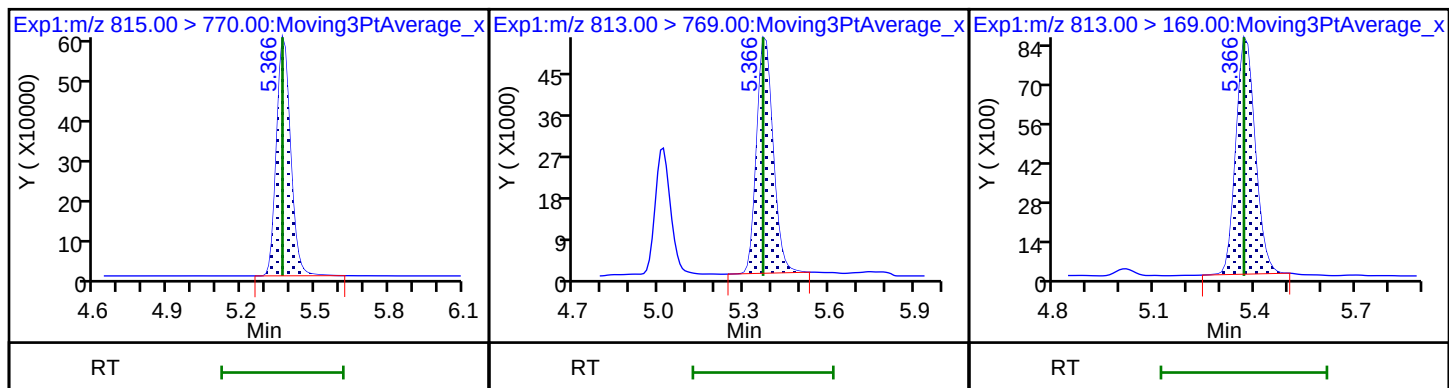
D 43 13C2 PFTeDA (M)



D 44 13C2 PFHxDA

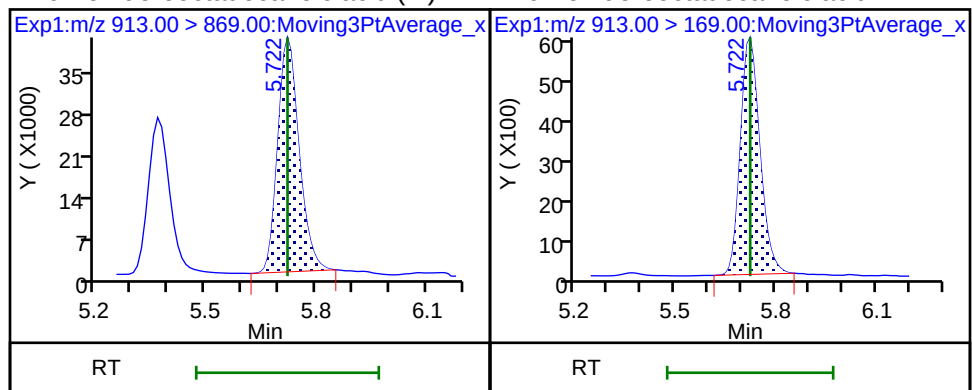
45 Perfluorohexadecanoic acid

45 Perfluorohexadecanoic acid



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid



Eurofins Burlington

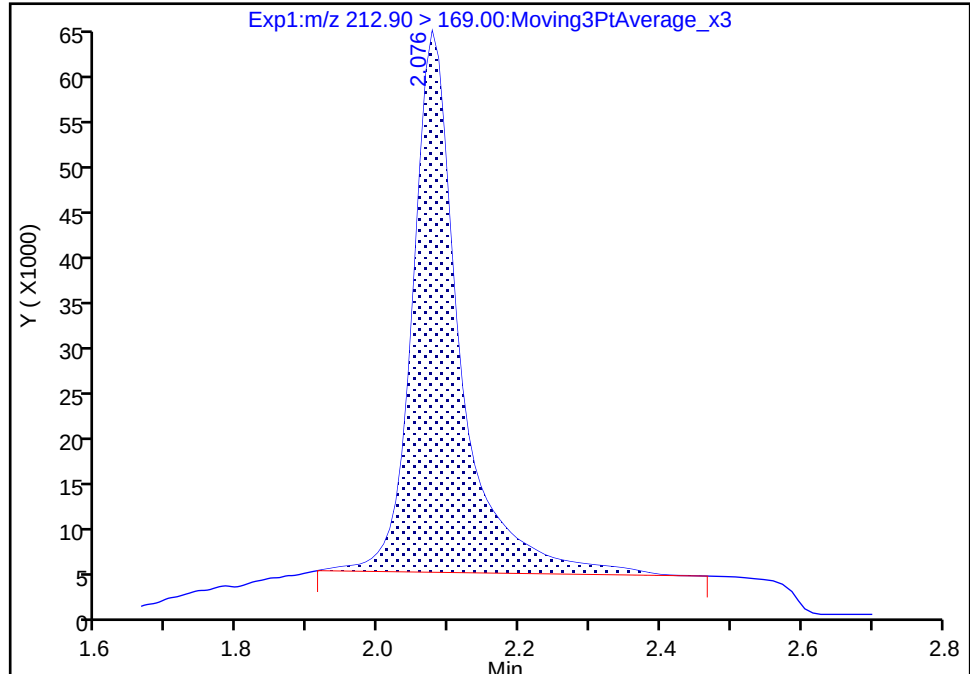
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

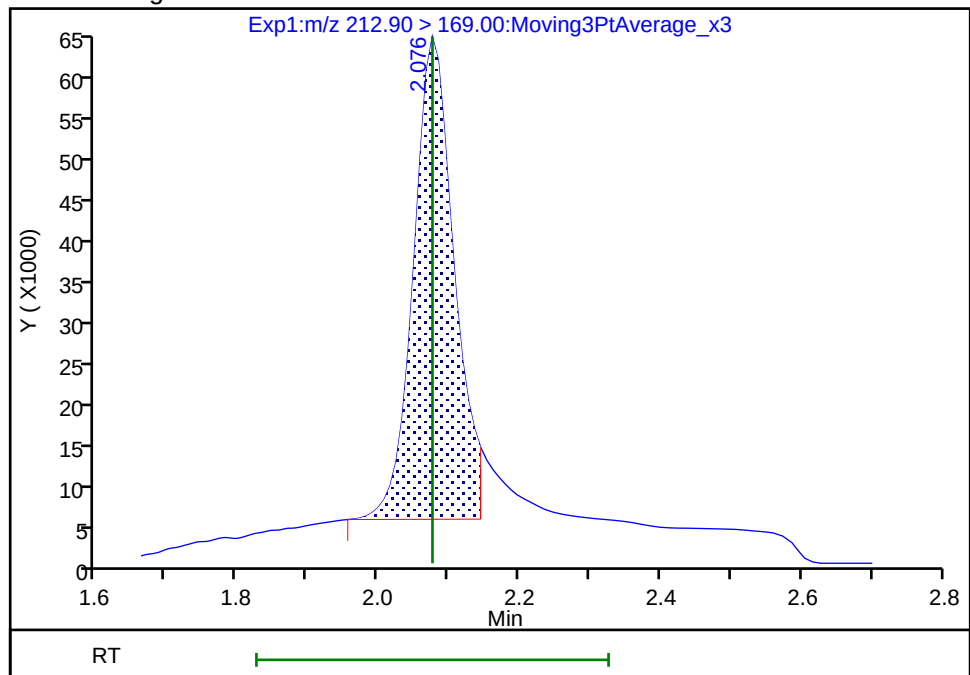
RT: 2.08
Area: 280853
Amount: 0.108572
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 236091
Amount: 0.110792
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:53:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

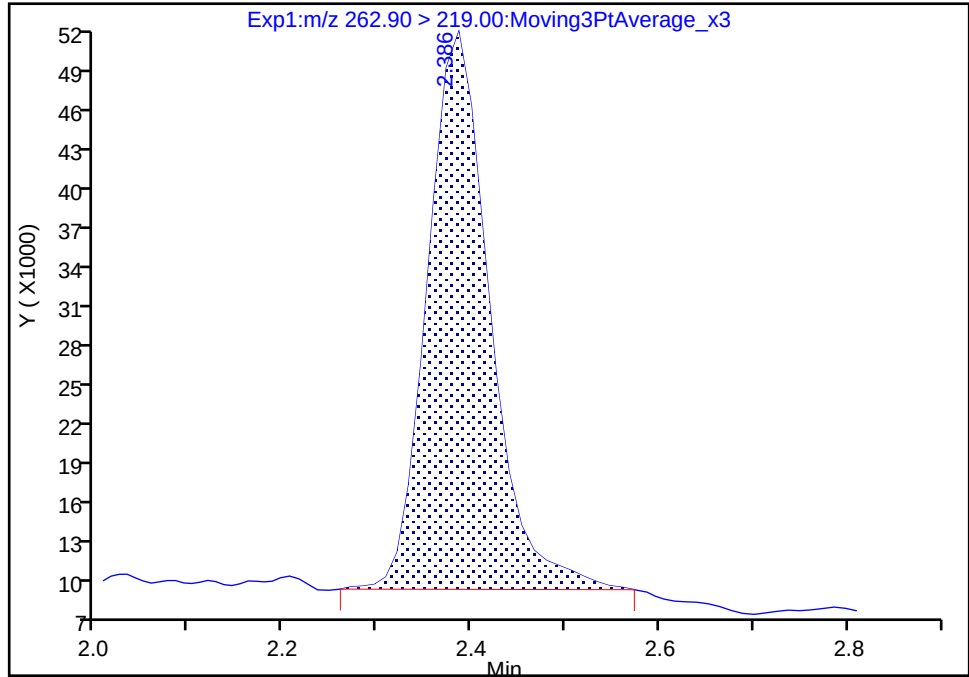
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

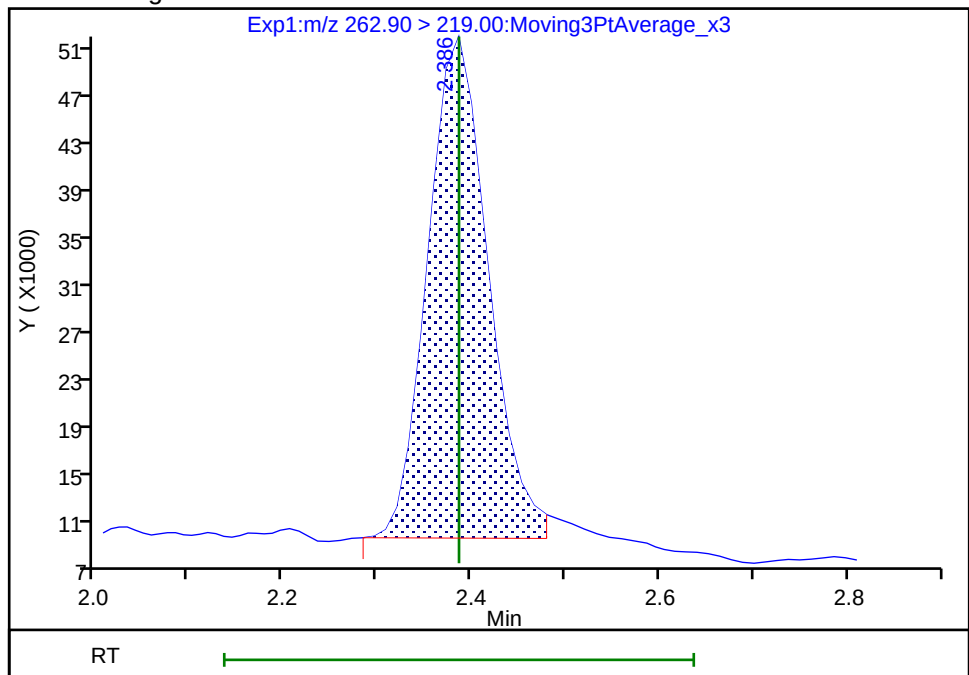
RT: 2.39
Area: 195135
Amount: 0.103655
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 187282
Amount: 0.111484
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:53:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

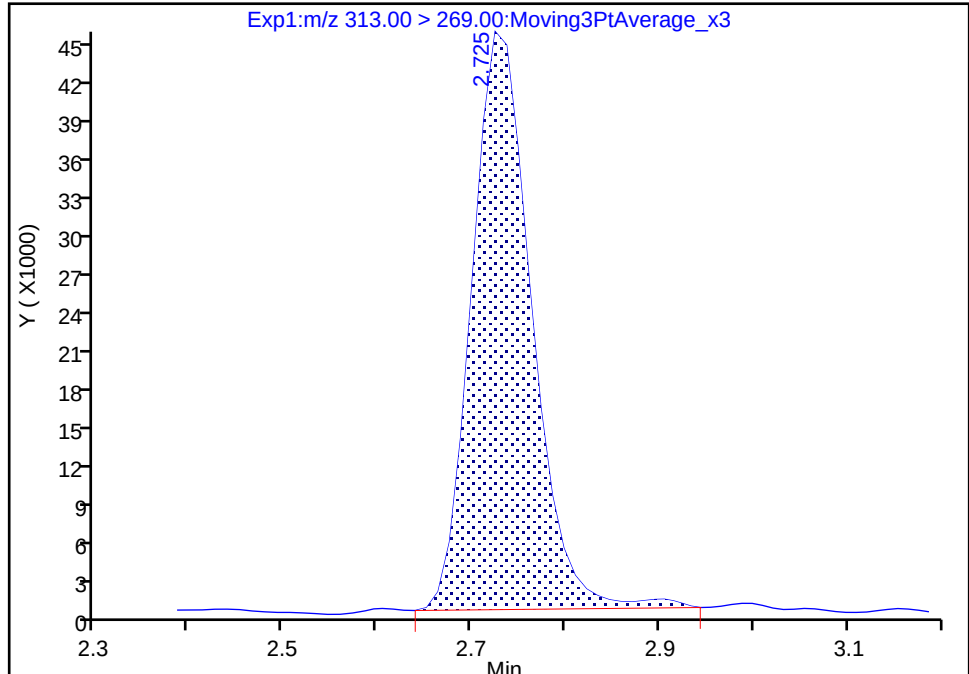
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Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

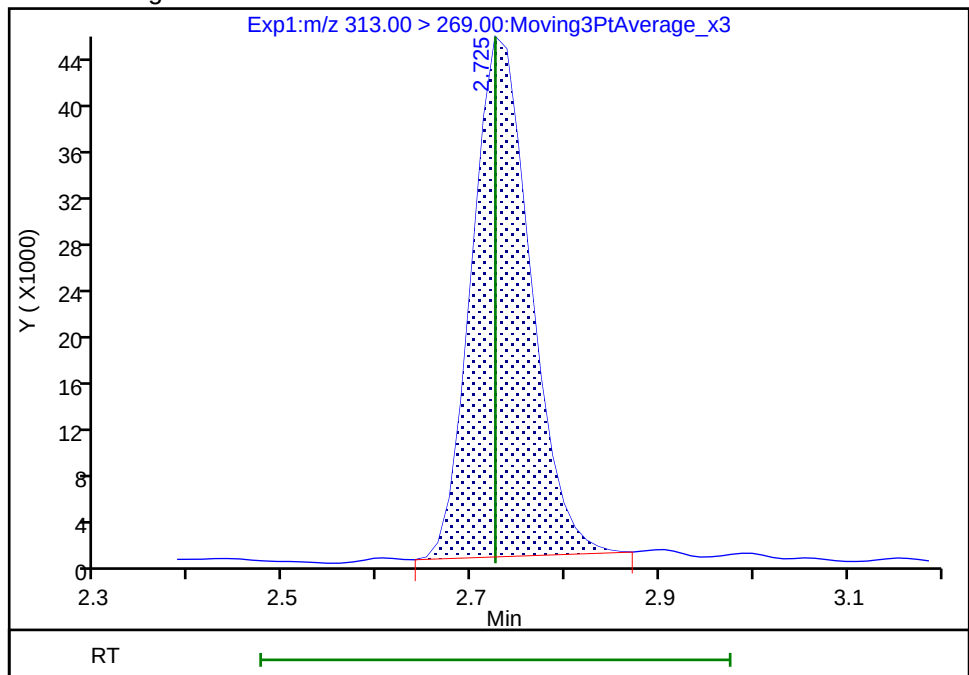
RT: 2.73
Area: 196336
Amount: 0.100921
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 191103
Amount: 0.106564
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:53:53
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

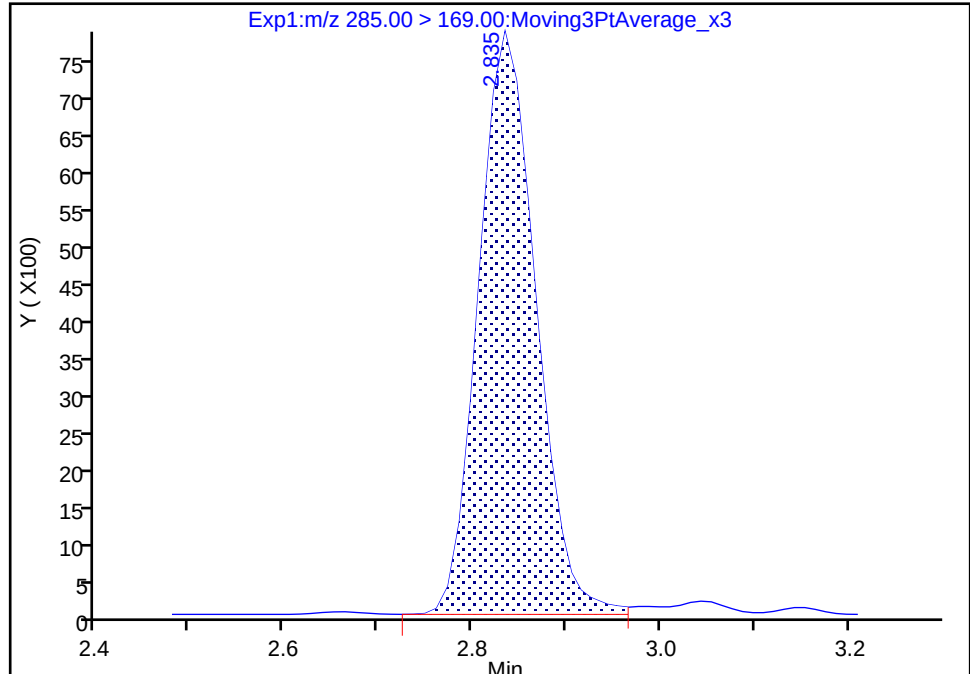
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Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

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

Signal: 1

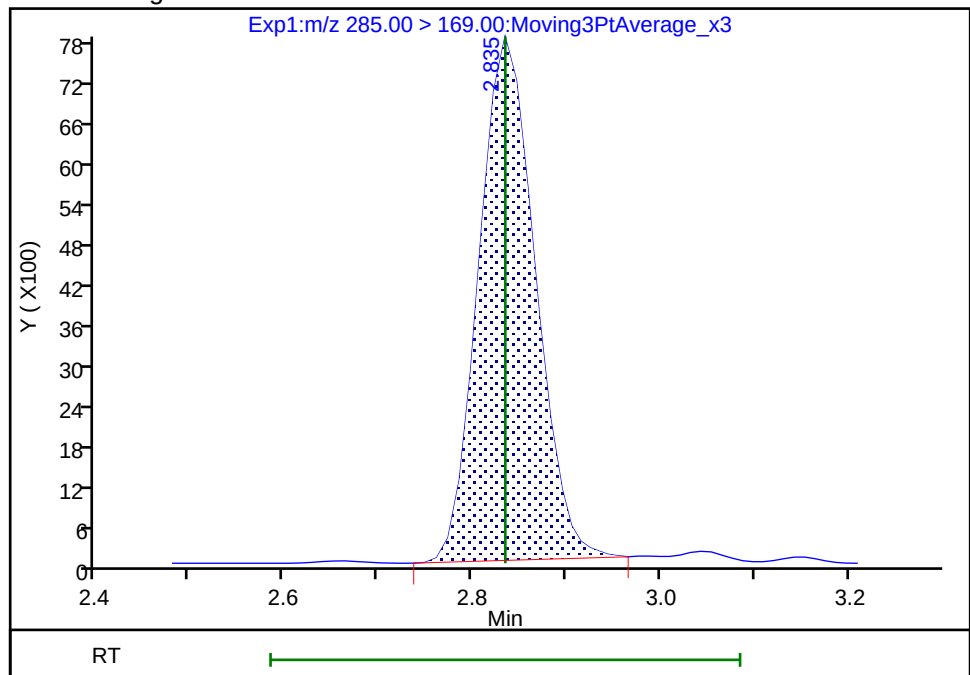
RT: 2.83
Area: 33101
Amount: 0.103414
Amount Units: ng/ml

Processing Integration Results



RT: 2.83
Area: 32429
Amount: 0.108840
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:54:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

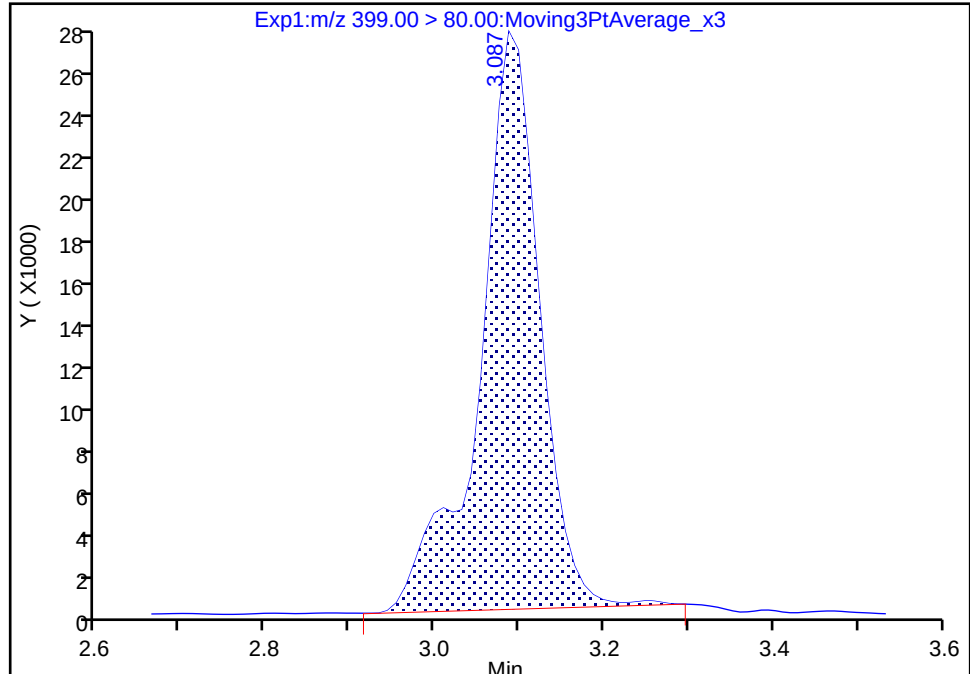
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Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

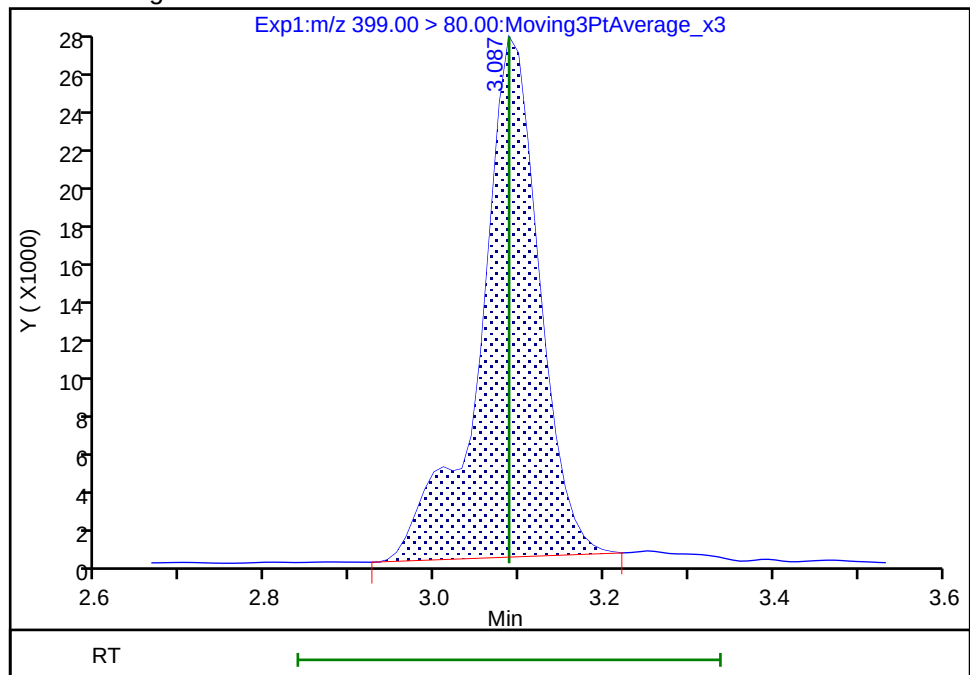
RT: 3.09
Area: 132173
Amount: 0.088001
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 130263
Amount: 0.090506
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:54:14
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

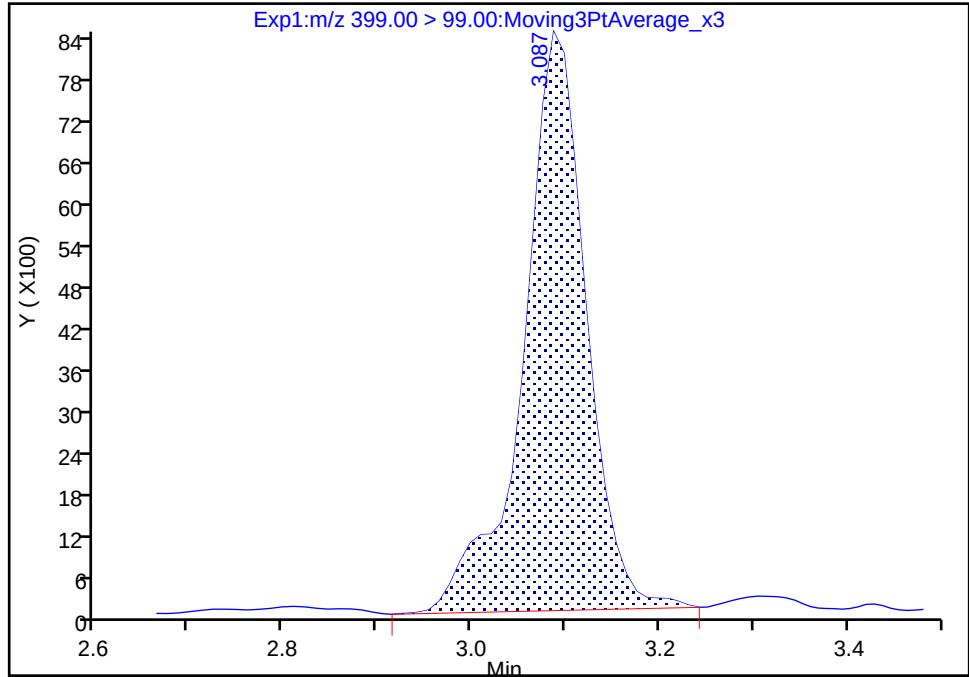
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Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

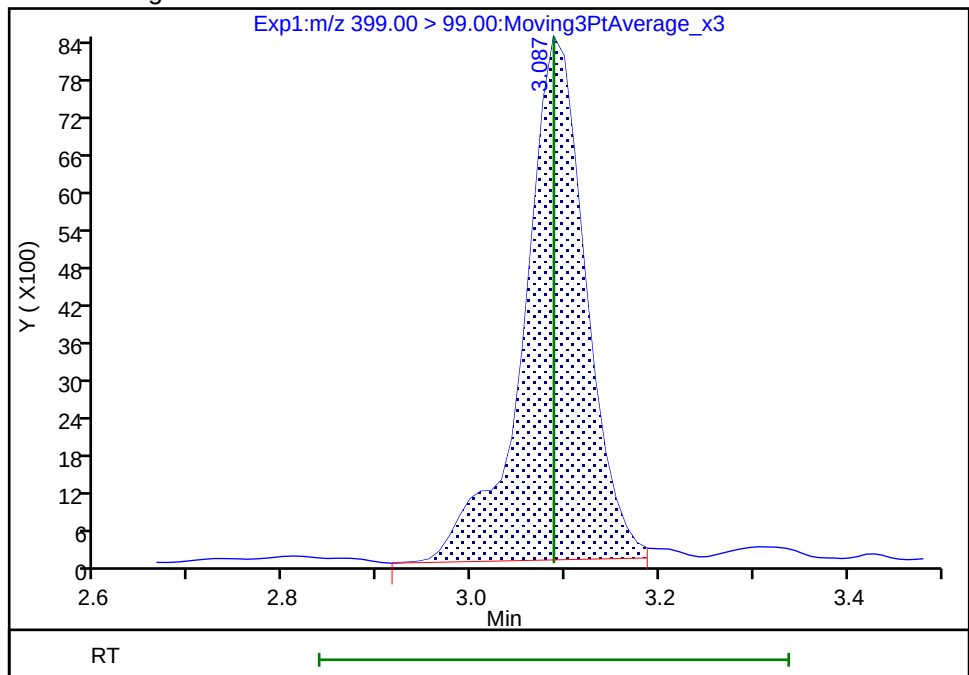
RT: 3.09
Area: 38807
Amount: 0.088001
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 38491
Amount: 0.090506
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:54:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

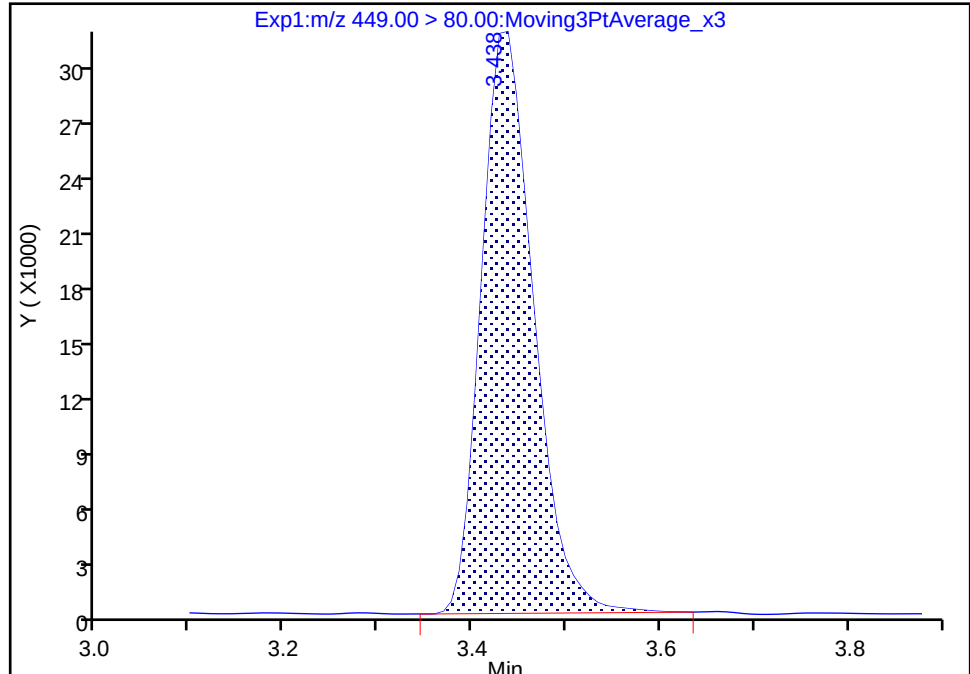
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

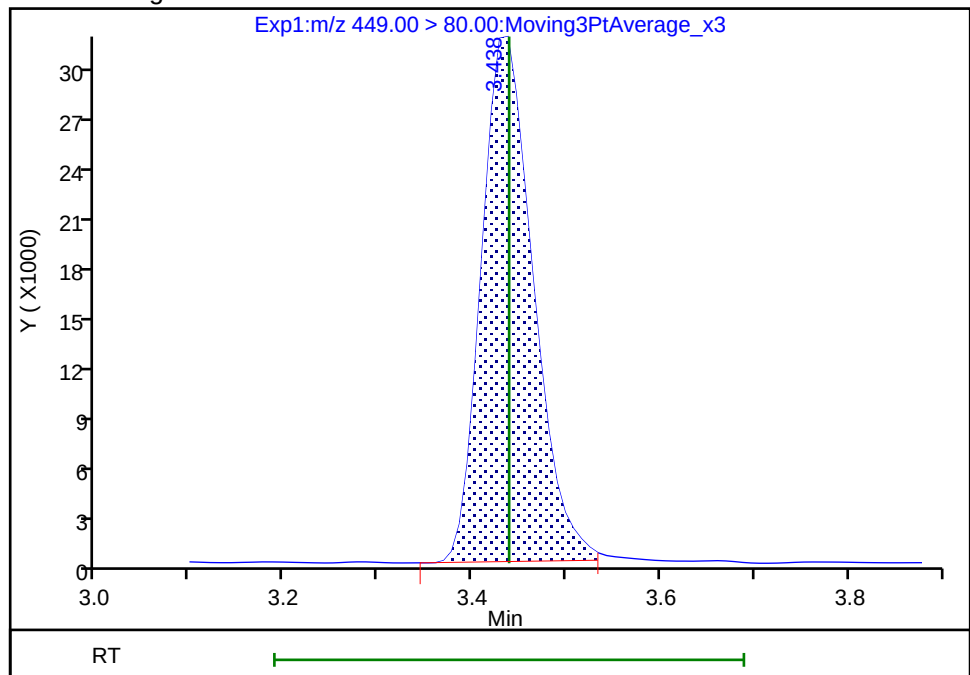
RT: 3.44
Area: 122929
Amount: 0.097560
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 121399
Amount: 0.102806
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:54:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

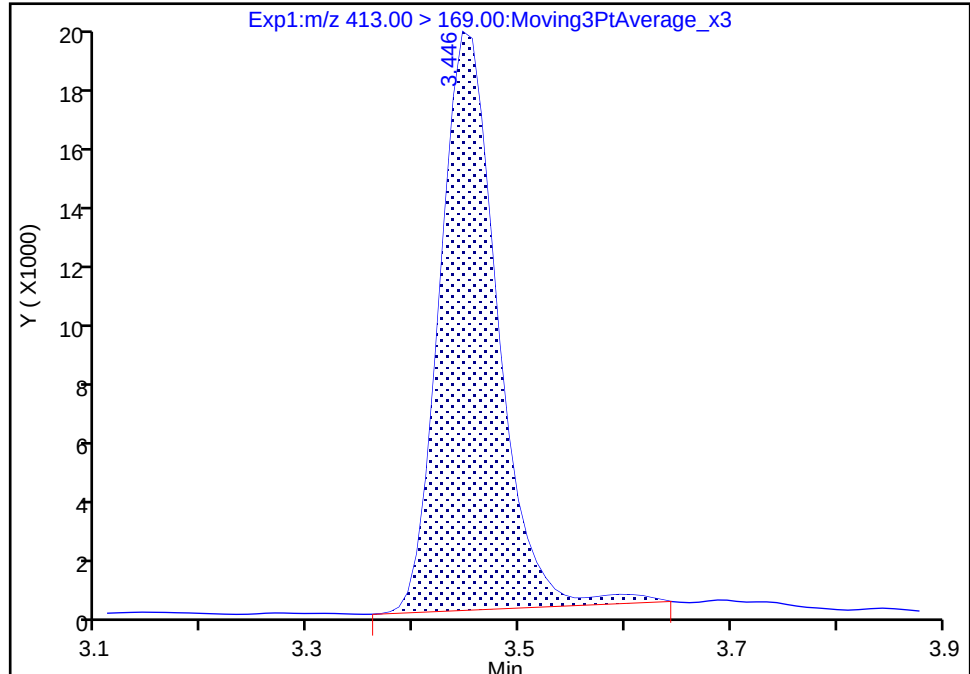
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Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

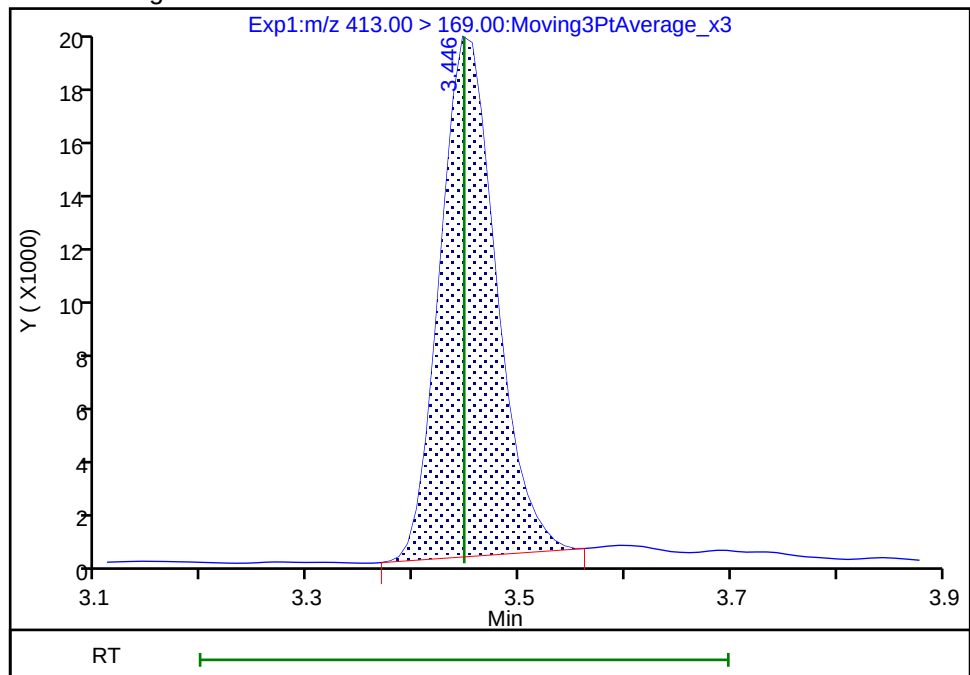
RT: 3.45
Area: 74541
Amount: 0.096919
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 71984
Amount: 0.101896
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:54:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

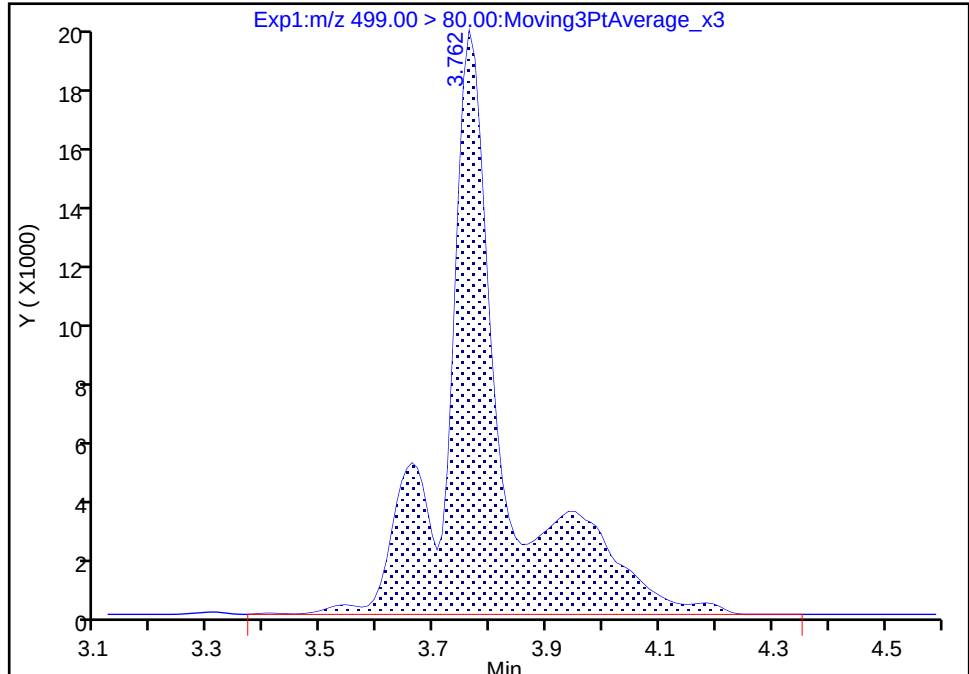
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

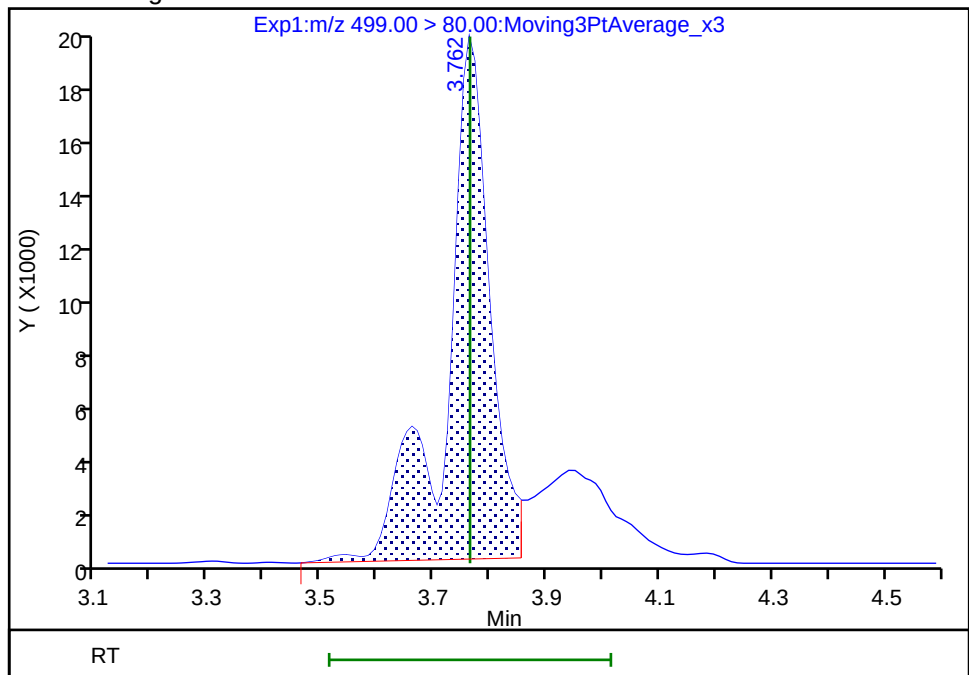
RT: 3.76
Area: 145194
Amount: 0.106140
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 105528
Amount: 0.102635
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:55:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

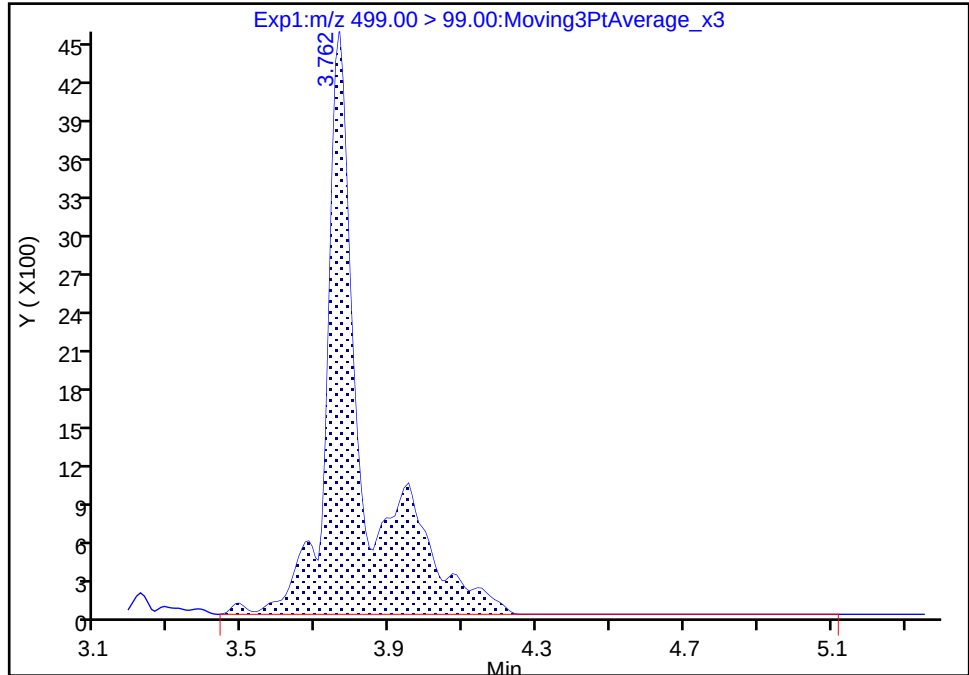
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Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

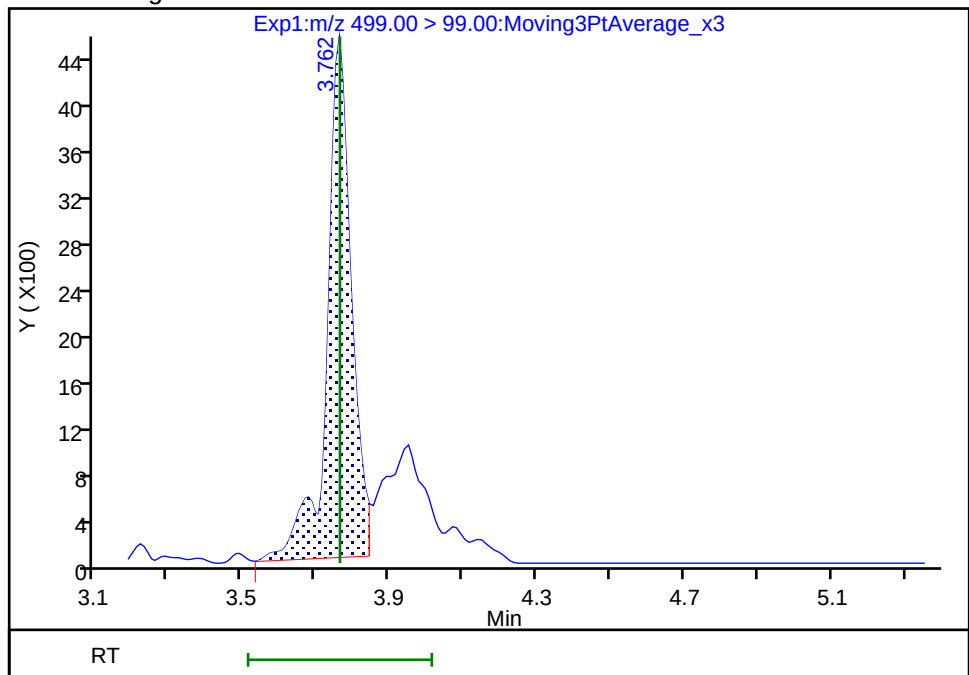
RT: 3.76
Area: 31586
Amount: 0.106140
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 20524
Amount: 0.102635
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:55:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

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12/27/2022
2:52 PM

Eurofins Burlington

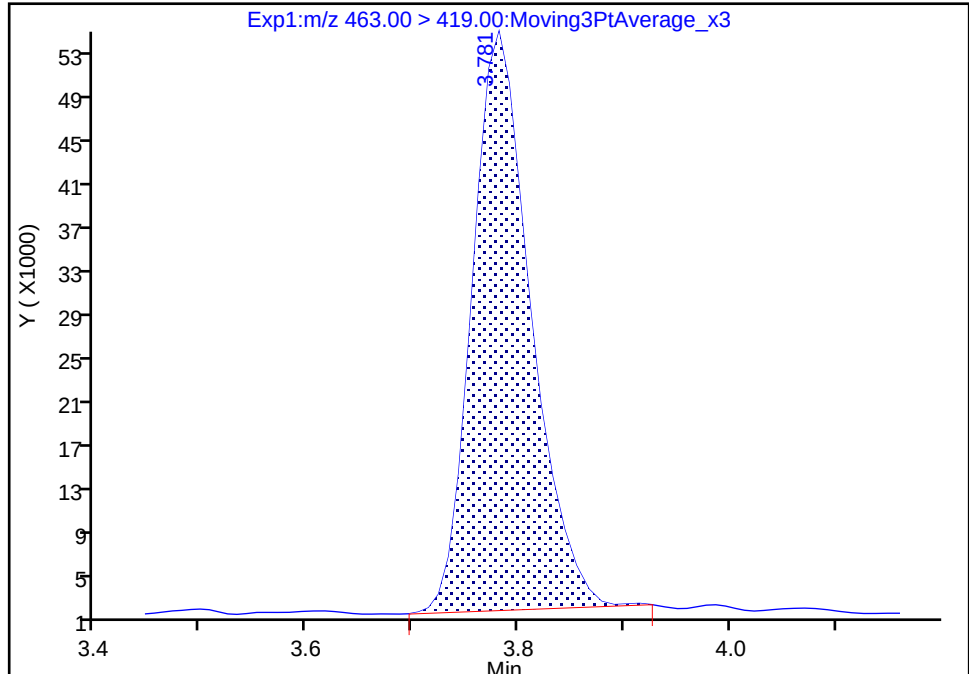
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

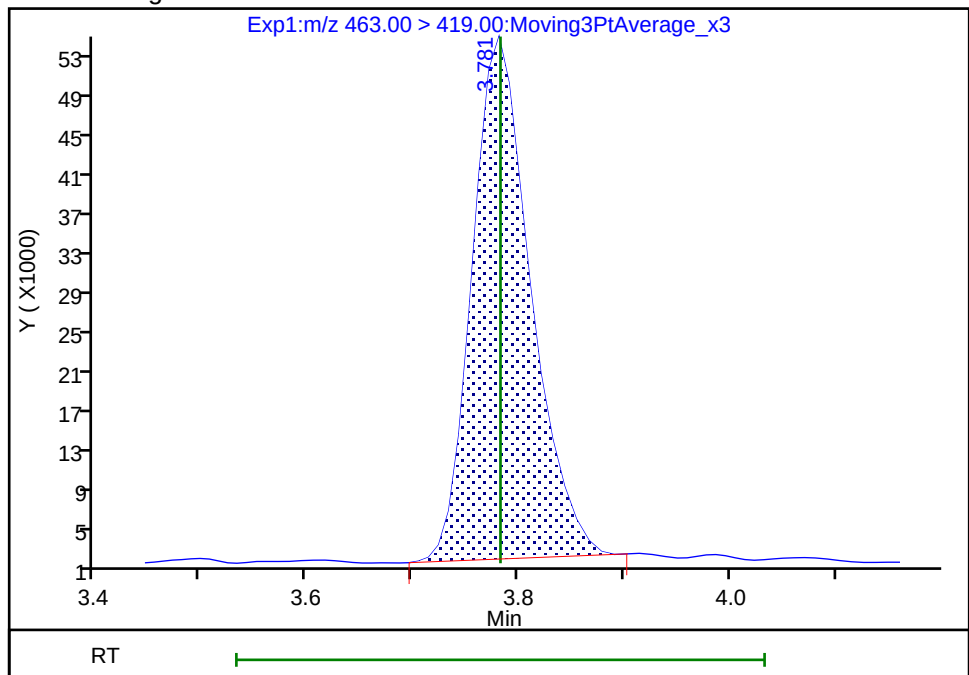
RT: 3.78
Area: 202724
Amount: 0.099917
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 201460
Amount: 0.102775
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:55:37
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

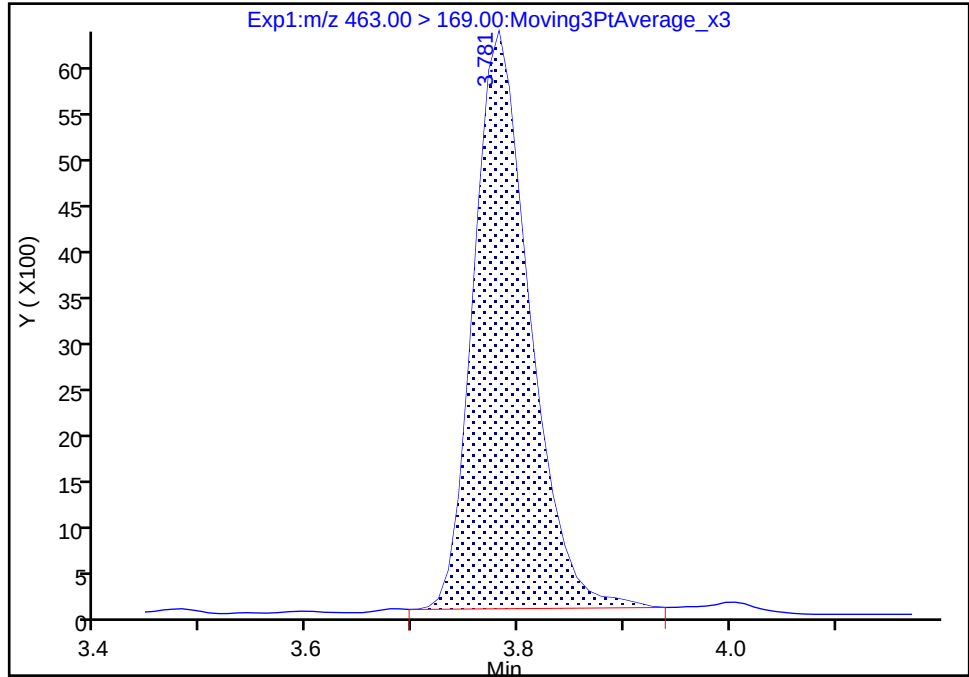
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

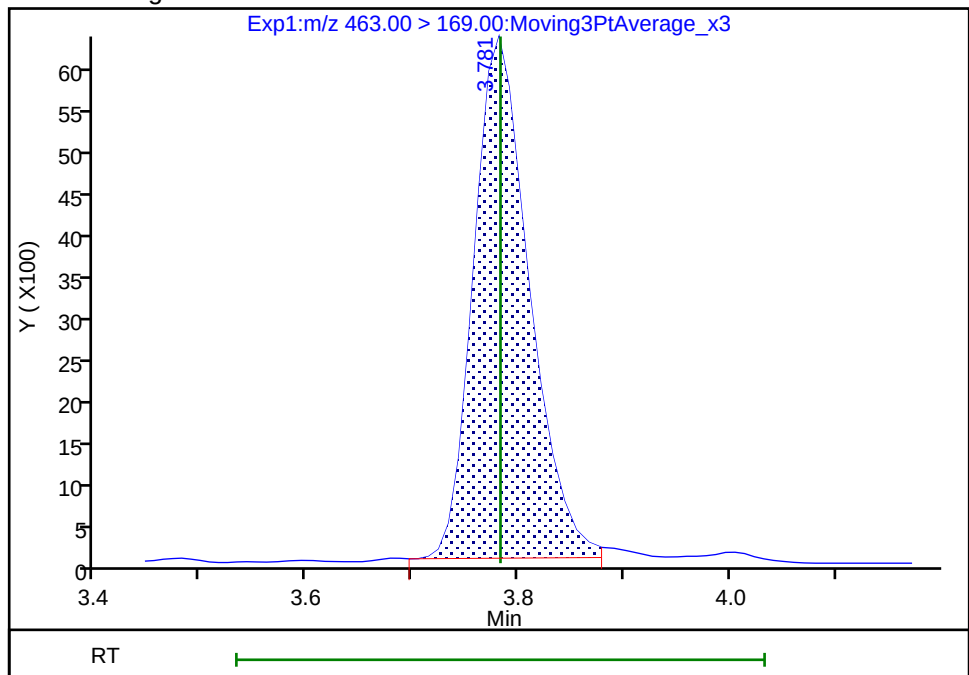
RT: 3.78
Area: 23367
Amount: 0.099917
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 23149
Amount: 0.102775
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:55:41

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

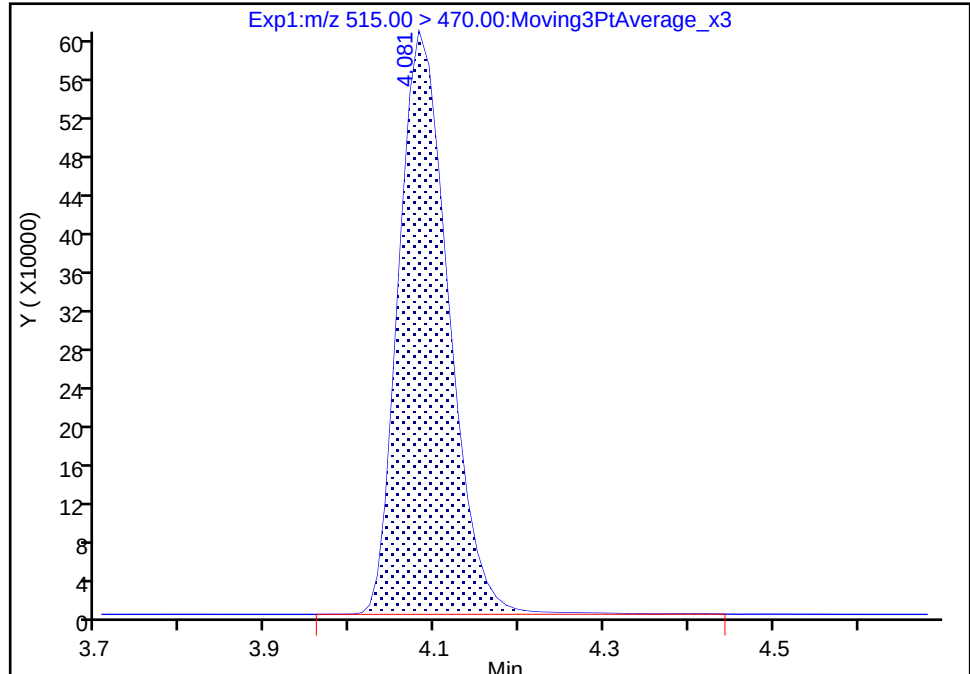
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

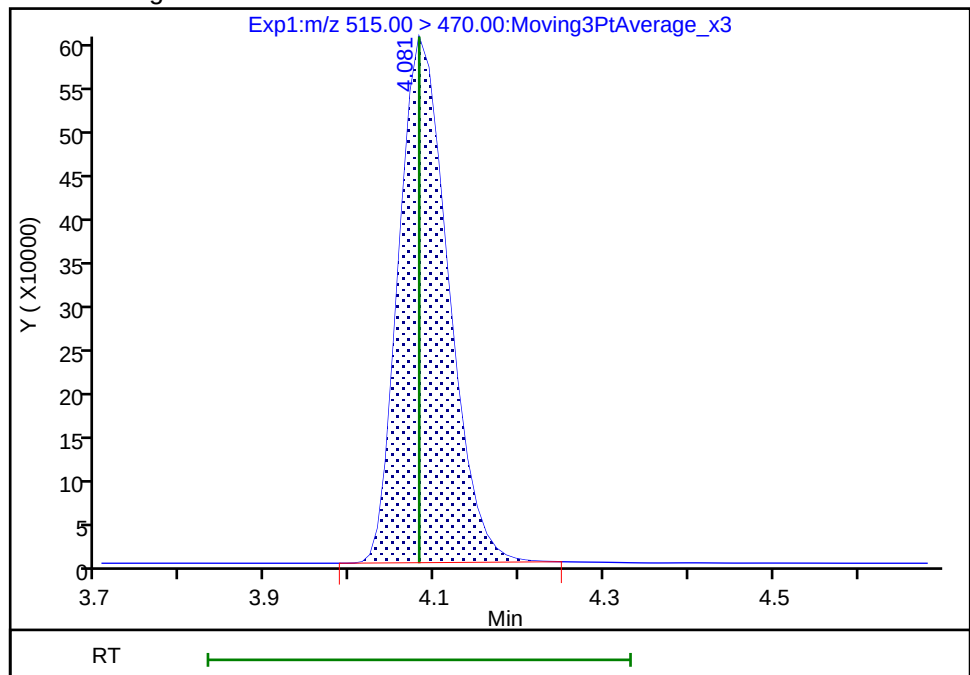
RT: 4.08
Area: 2458427
Amount: 1.268074
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 2439344
Amount: 1.251415
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:55:51
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

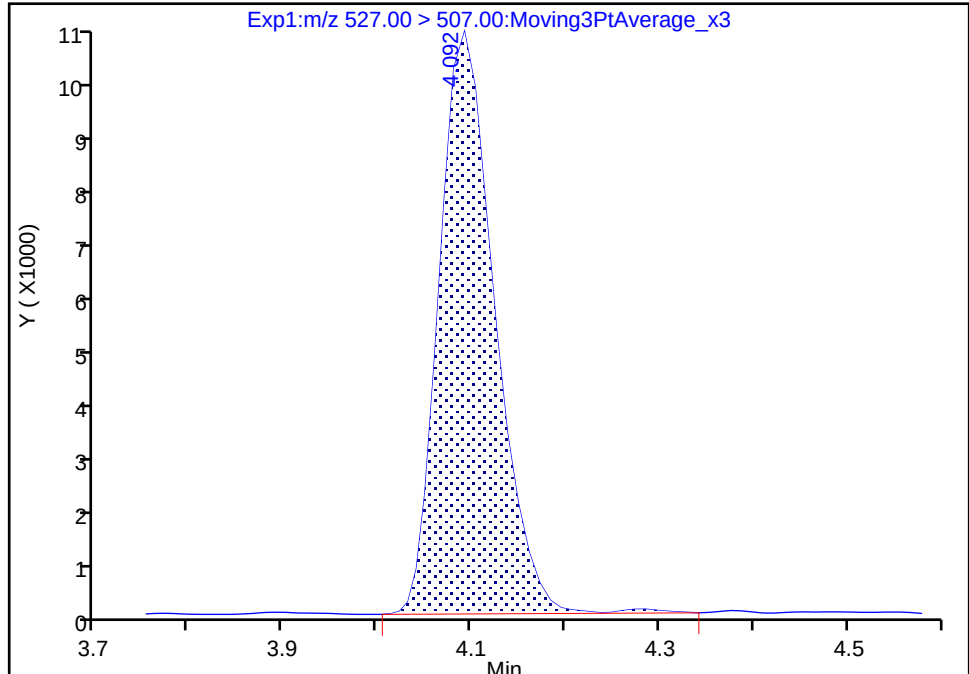
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

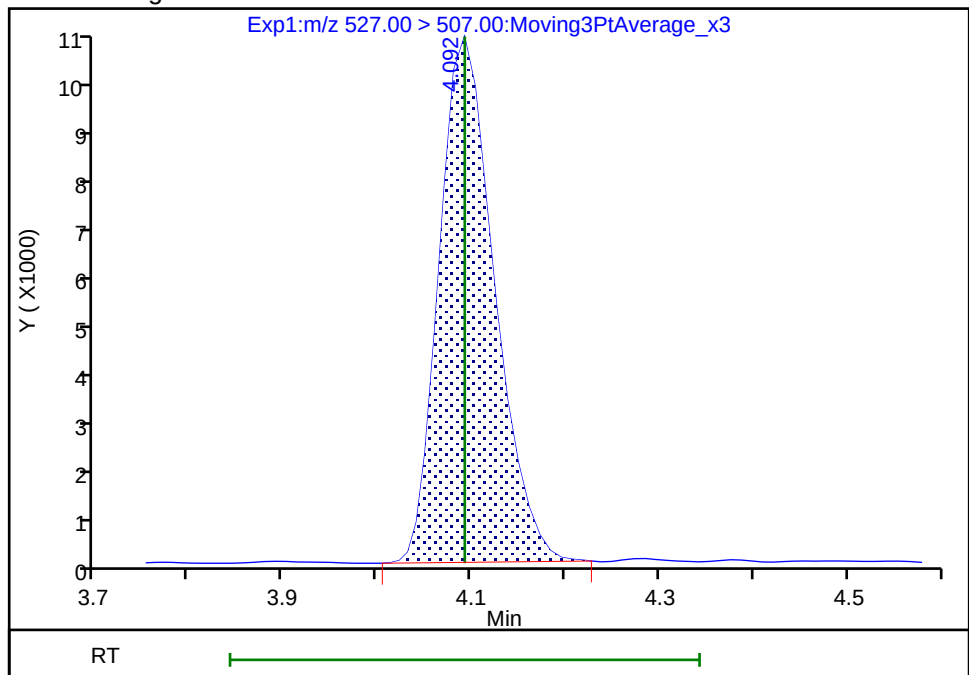
RT: 4.09
Area: 41439
Amount: 0.097438
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 41049
Amount: 0.098942
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:56:01
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

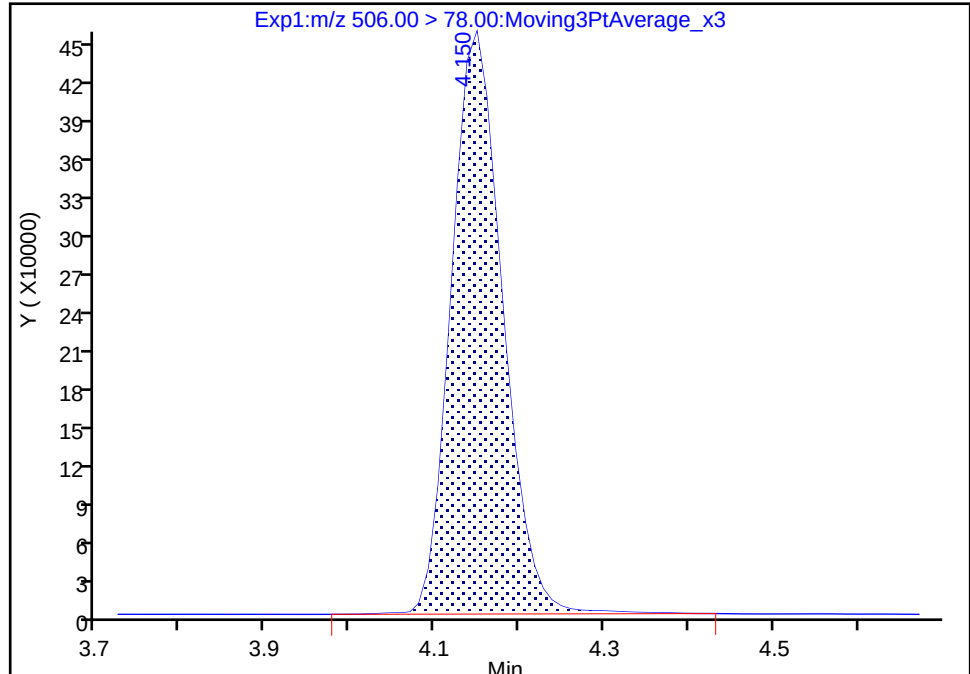
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

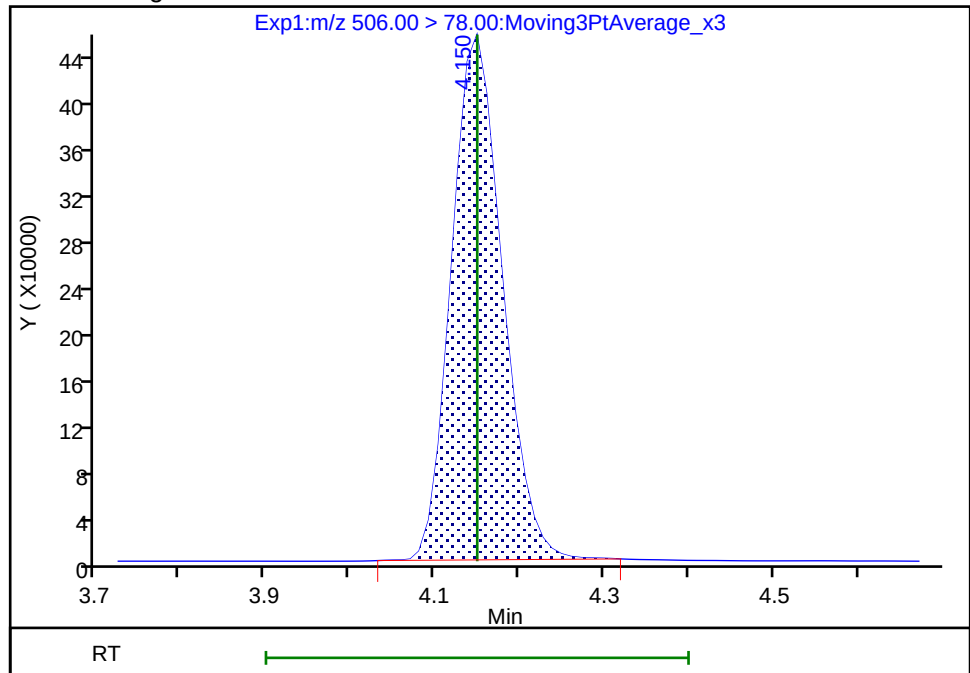
RT: 4.15
Area: 1921287
Amount: 1.214680
Amount Units: ng/ml

Processing Integration Results



RT: 4.15
Area: 1899612
Amount: 1.188681
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:56:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

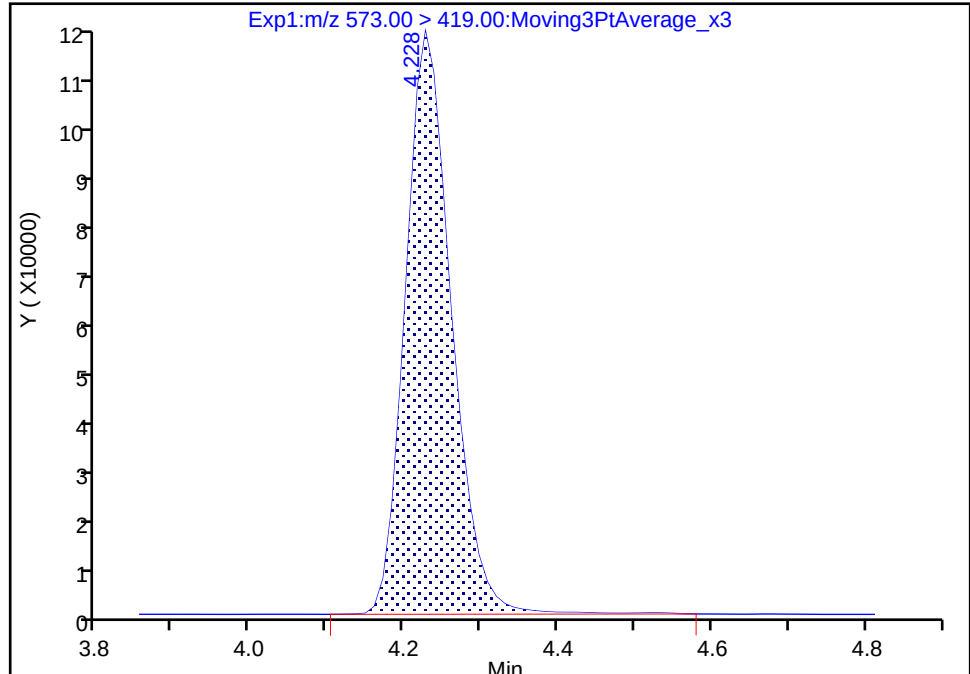
Data File:	\\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d		
Injection Date:	18-Nov-2022 14:38:04	Instrument ID:	LC812
Lims ID:	IC		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	3 Worklist Smp#: 6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL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

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

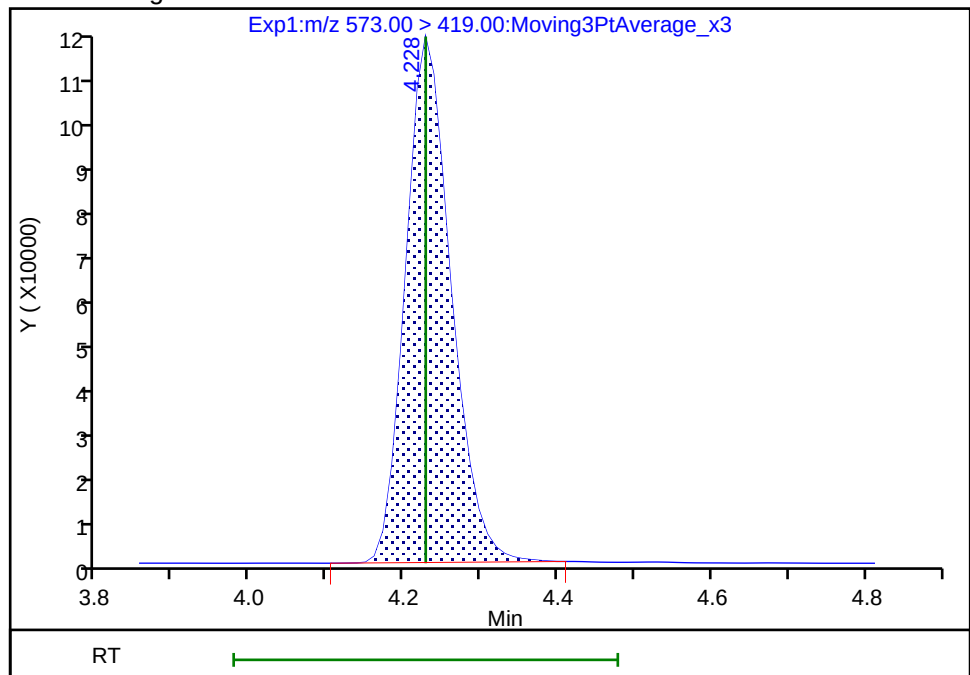
RT: 4.23
Area: 483256
Amount: 1.235603
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 478399
Amount: 1.205370
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:56:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

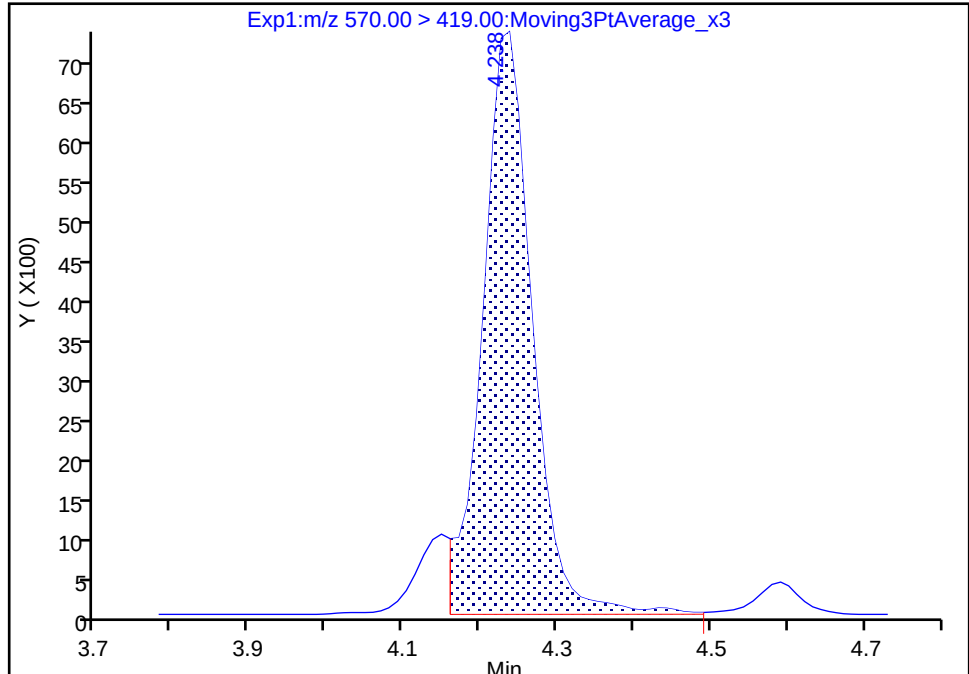
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

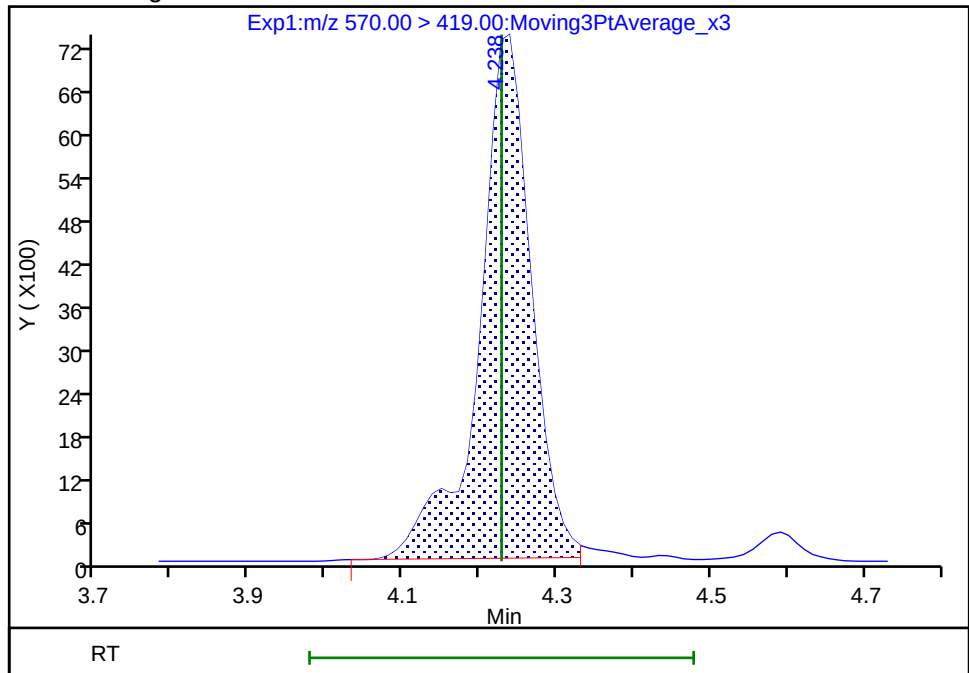
RT: 4.24
Area: 32710
Amount: 0.089959
Amount Units: ng/ml

Processing Integration Results



RT: 4.24
Area: 34156
Amount: 0.092118
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:56:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

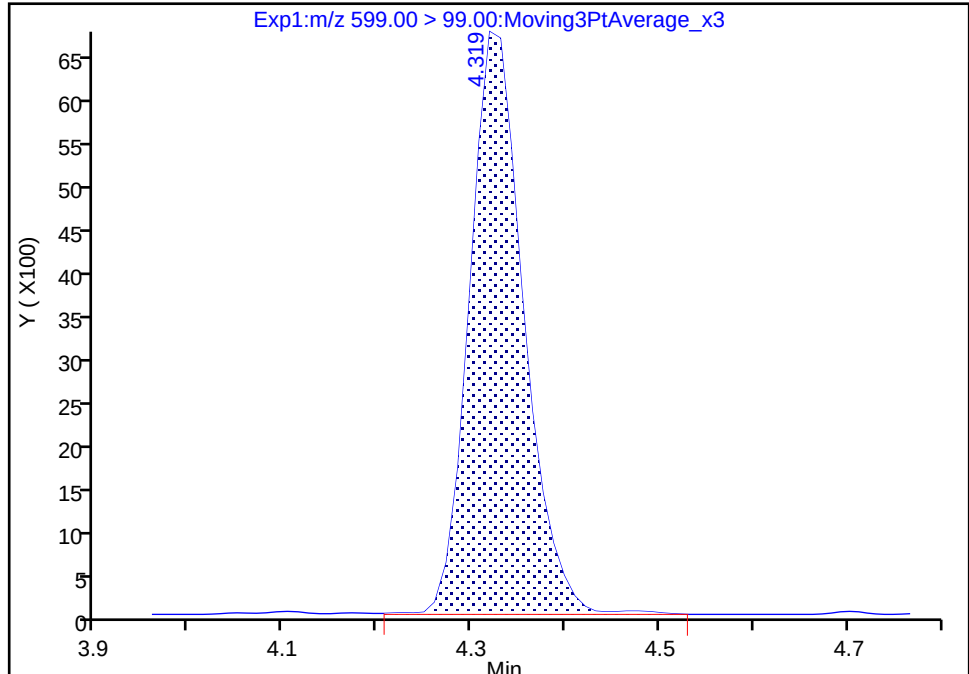
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

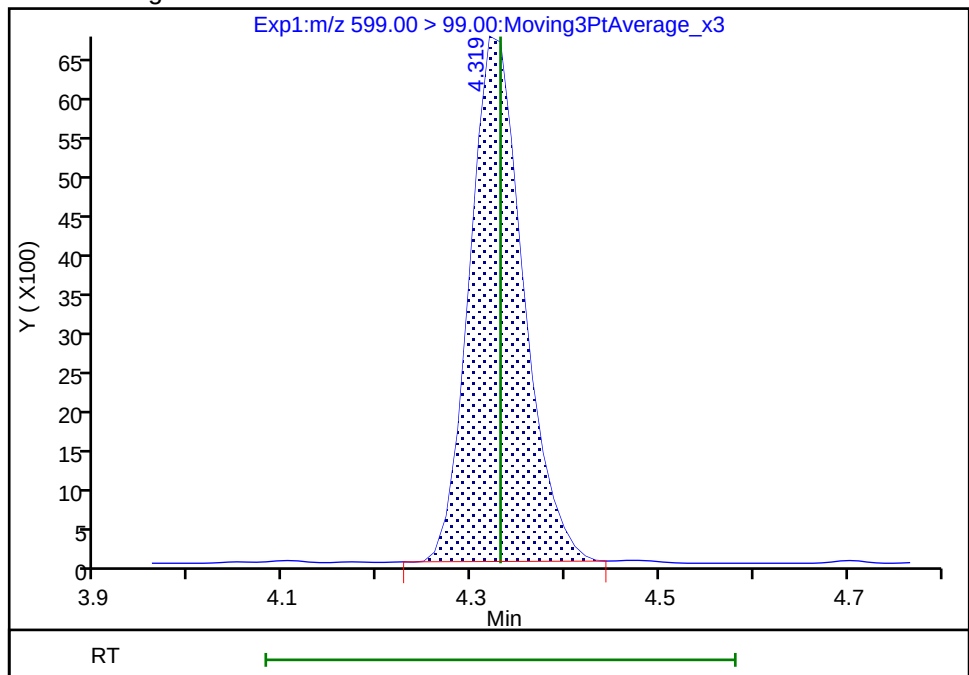
RT: 4.32
Area: 27216
Amount: 0.096282
Amount Units: ng/ml

Processing Integration Results



RT: 4.32
Area: 26777
Amount: 0.099171
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:56:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

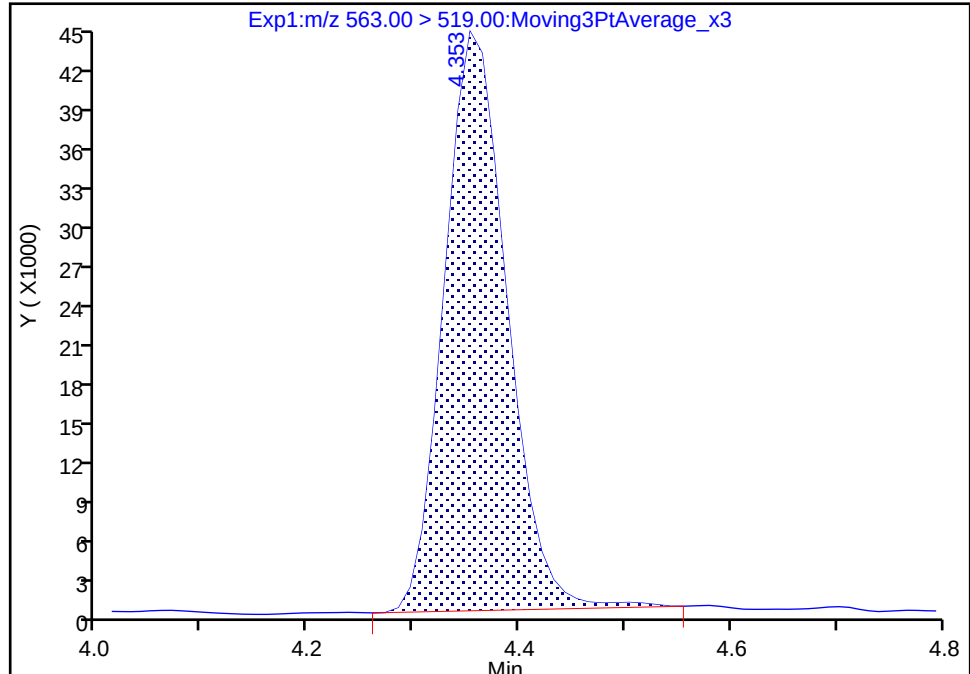
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

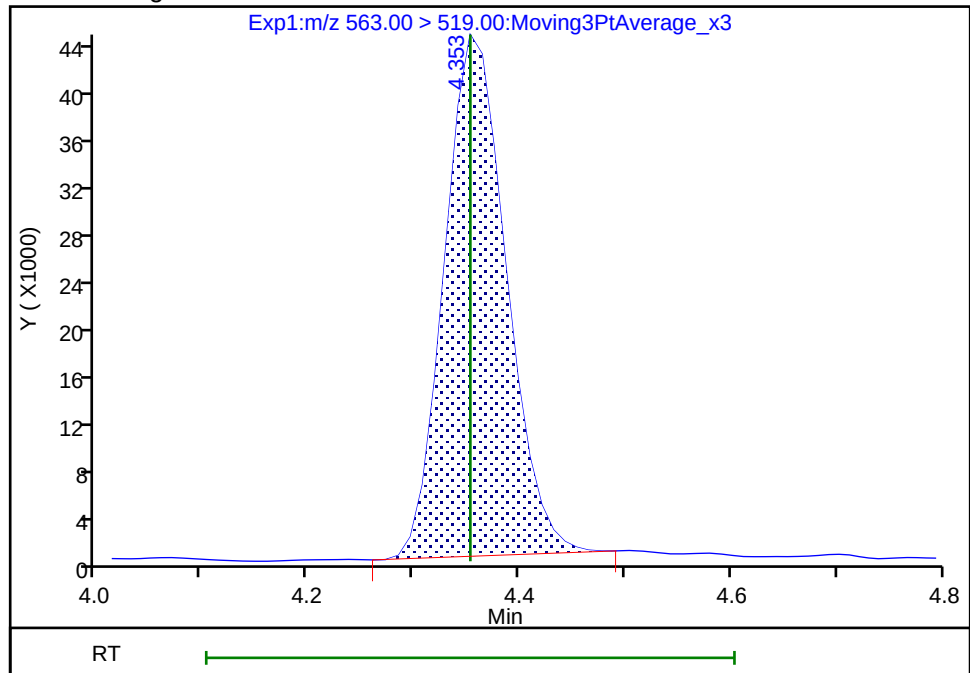
RT: 4.35
Area: 179706
Amount: 0.100640
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 176444
Amount: 0.103263
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:56:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

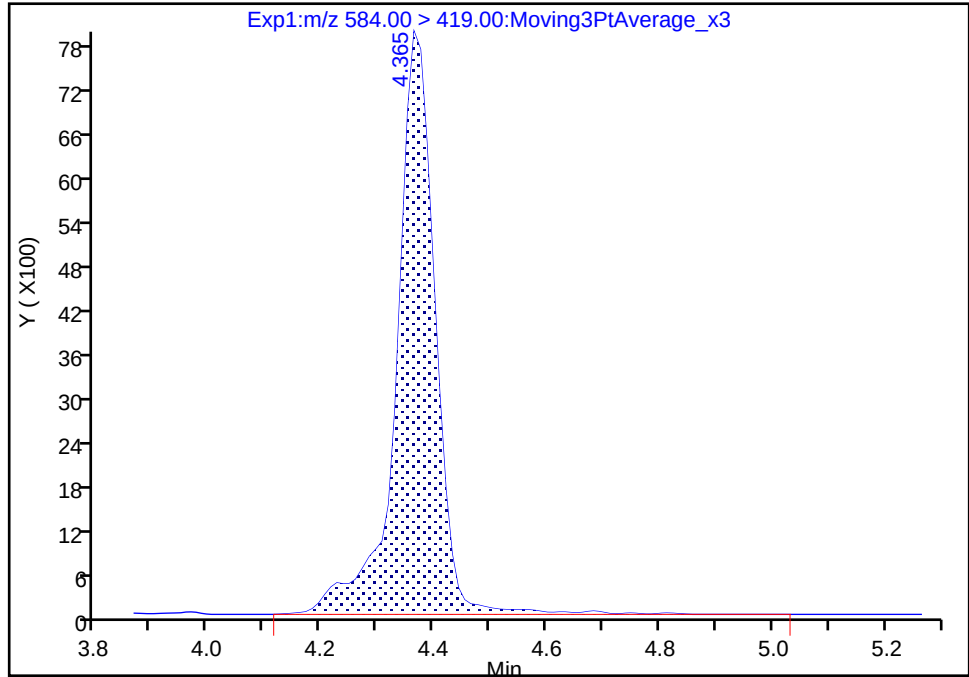
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

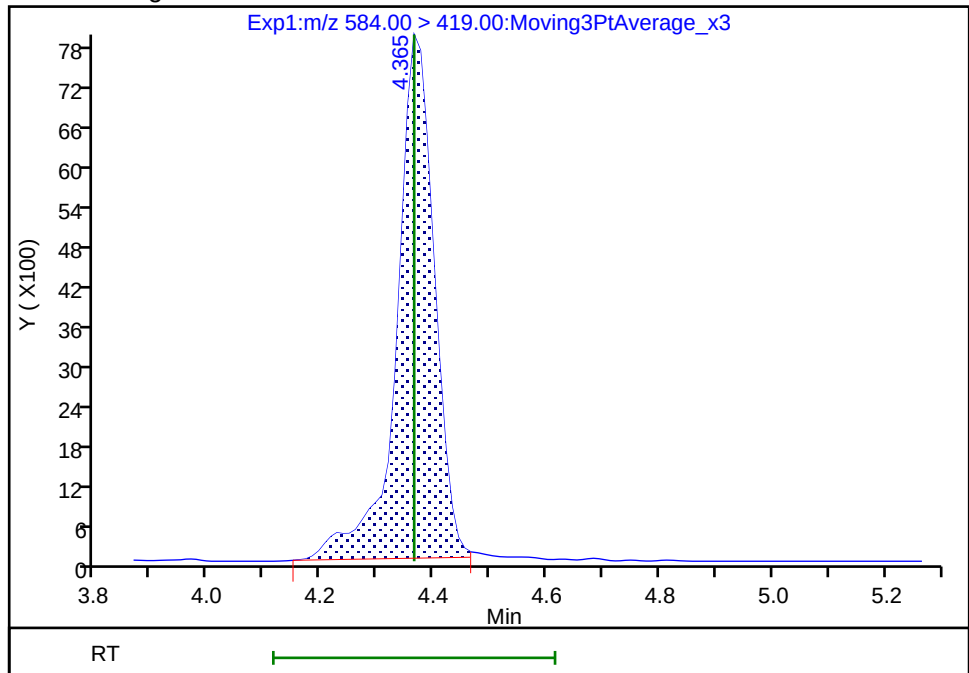
RT: 4.36
Area: 38260
Amount: 0.101365
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 36650
Amount: 0.106207
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:57:03
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

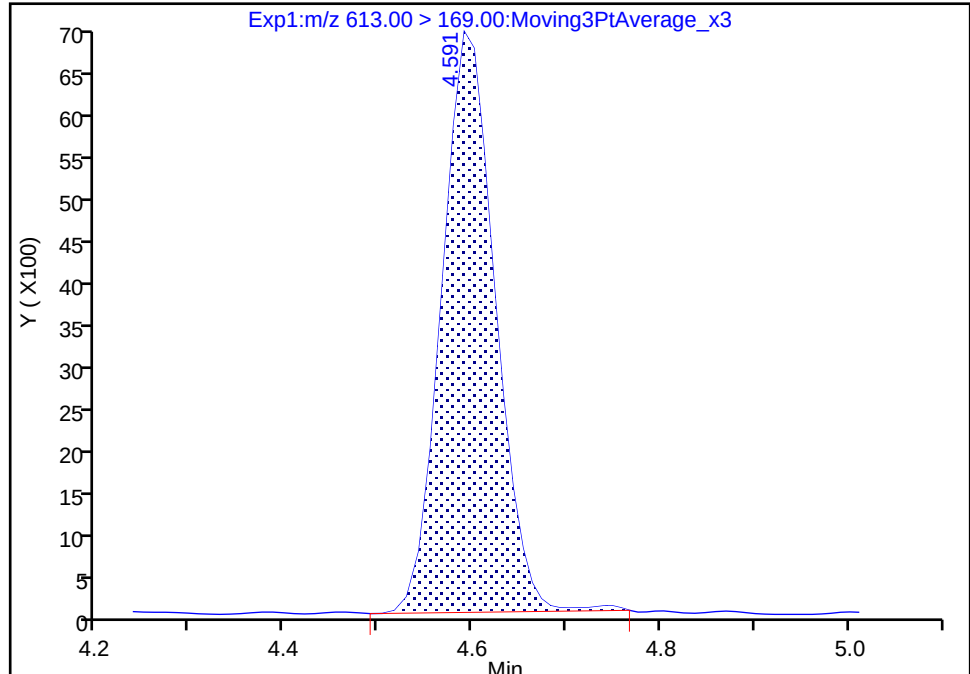
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

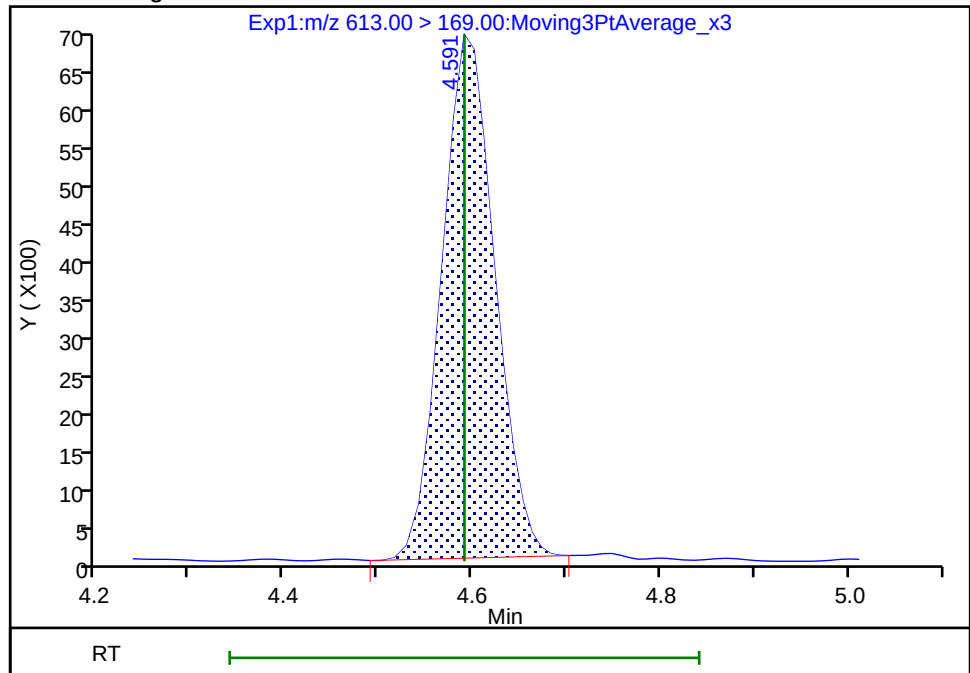
RT: 4.59
Area: 27250
Amount: 0.099538
Amount Units: ng/ml

Processing Integration Results



RT: 4.59
Area: 26866
Amount: 0.106894
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:57:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

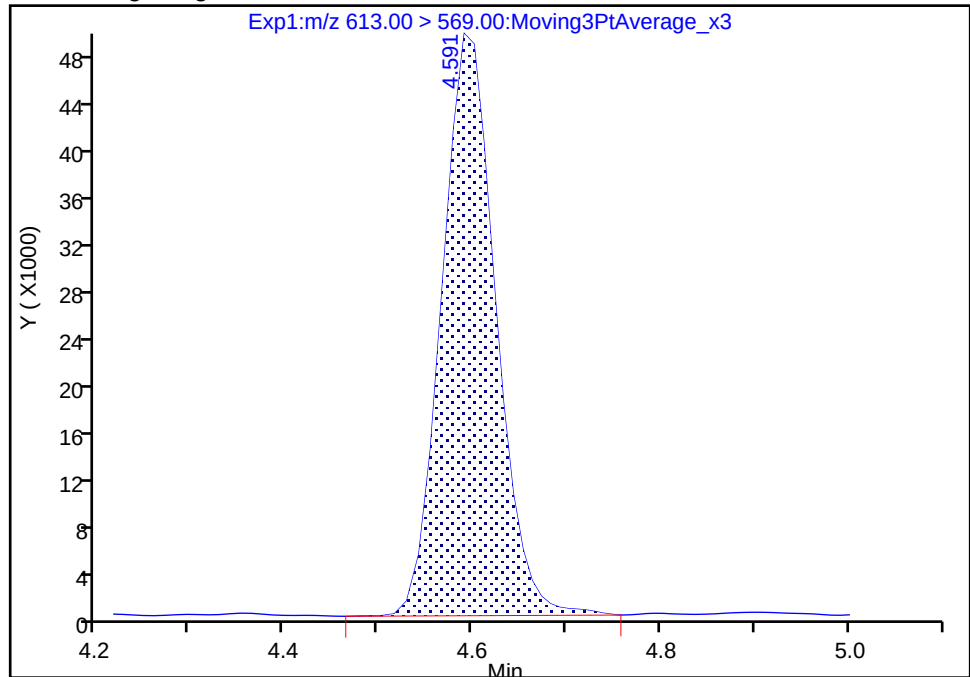
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

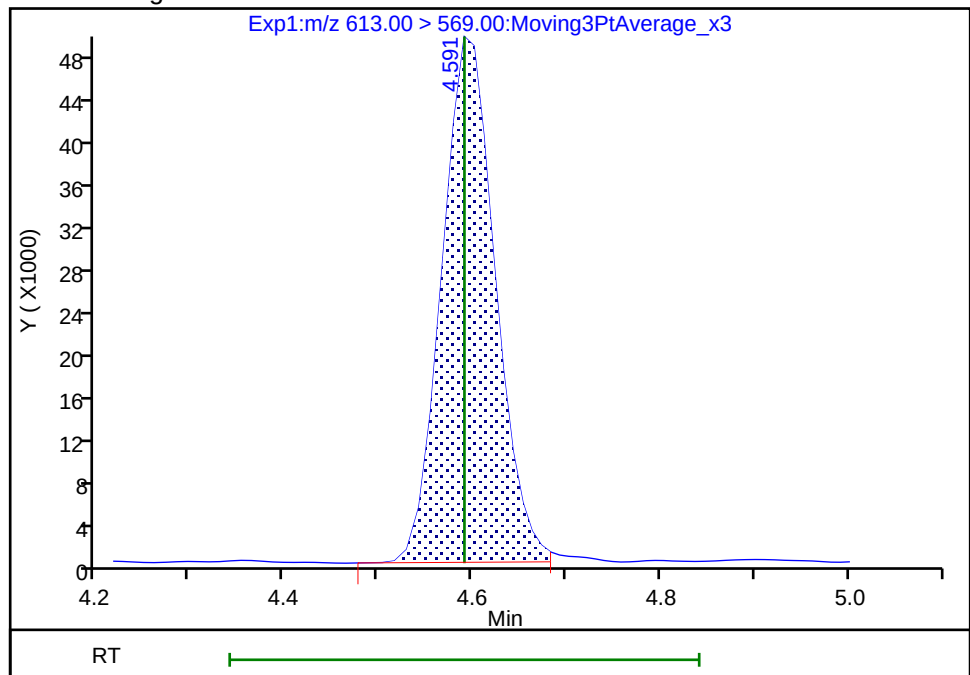
RT: 4.59
Area: 197049
Amount: 0.099538
Amount Units: ng/ml

Processing Integration Results



RT: 4.59
Area: 194829
Amount: 0.106894
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:57:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

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12/27/2022
2:52 PM

Eurofins Burlington

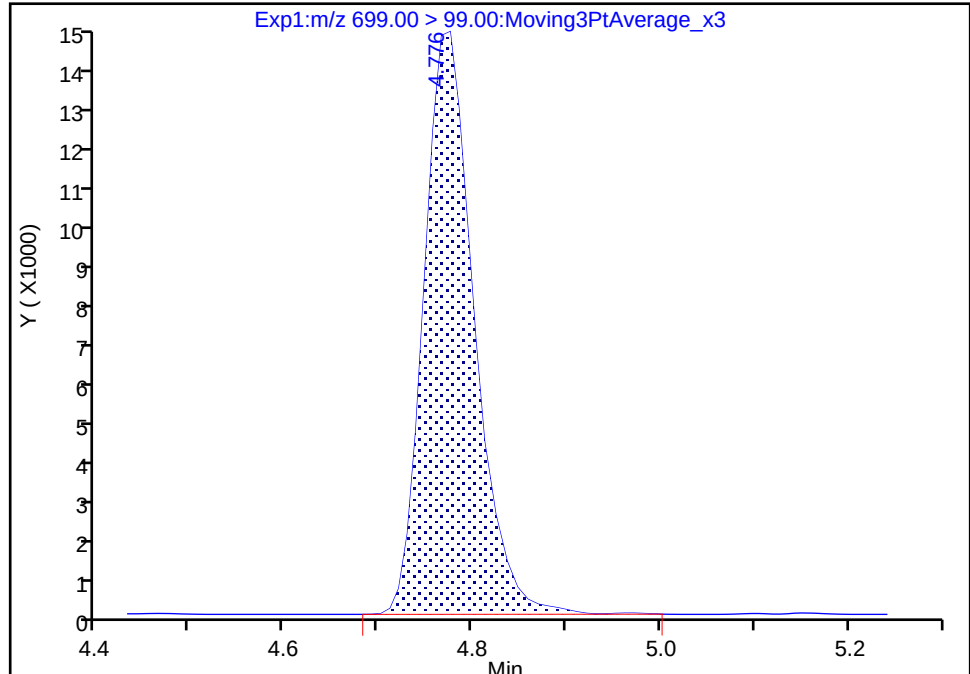
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 2

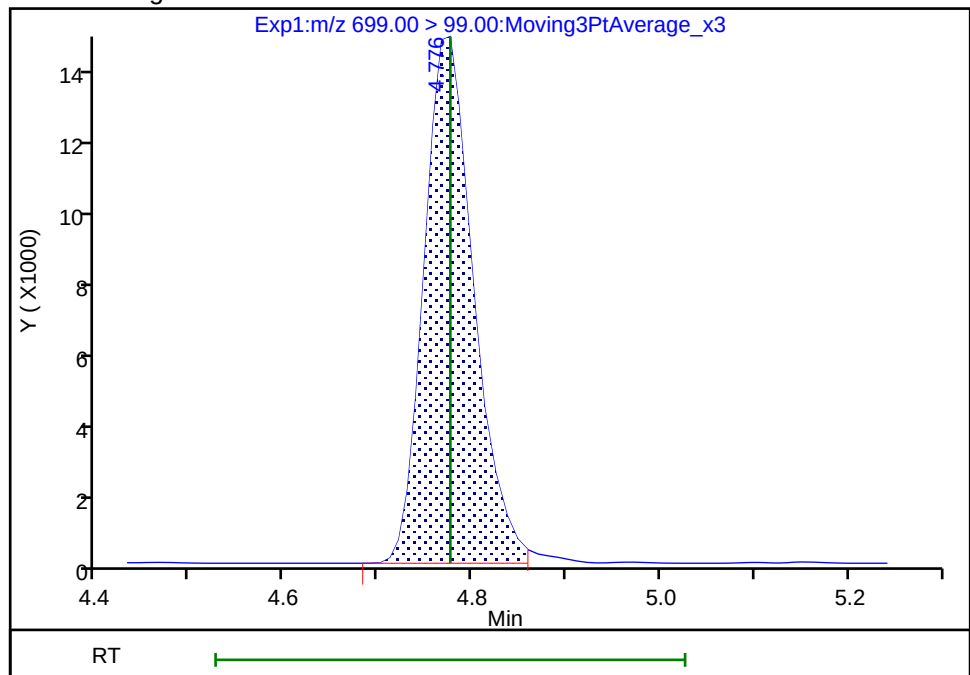
RT: 4.78
Area: 52070
Amount: 0.097278
Amount Units: ng/ml

Processing Integration Results



RT: 4.78
Area: 51408
Amount: 0.102415
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:57:36
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

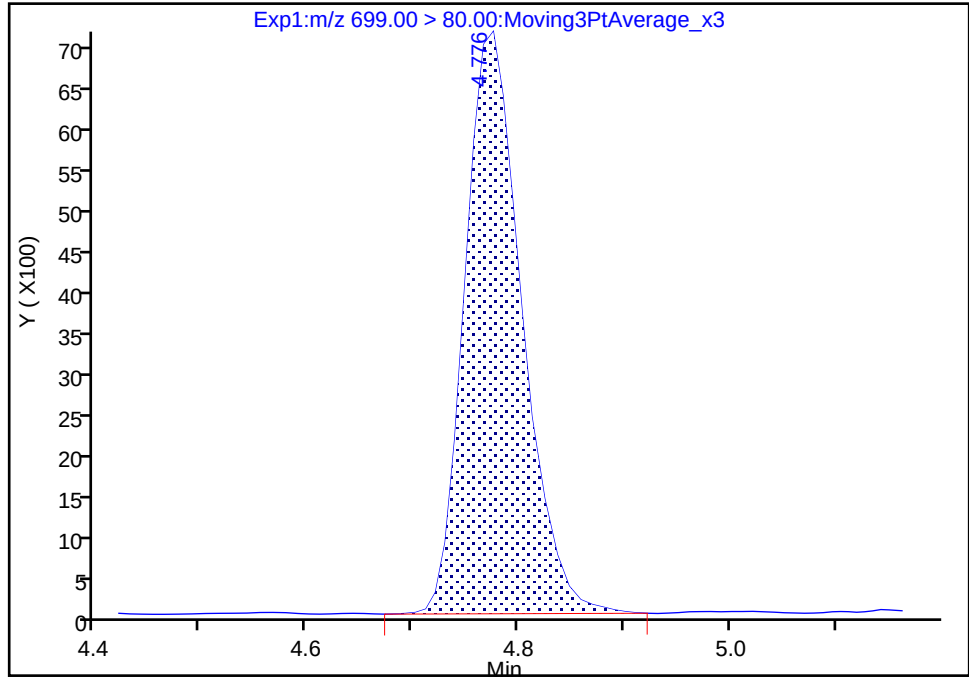
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

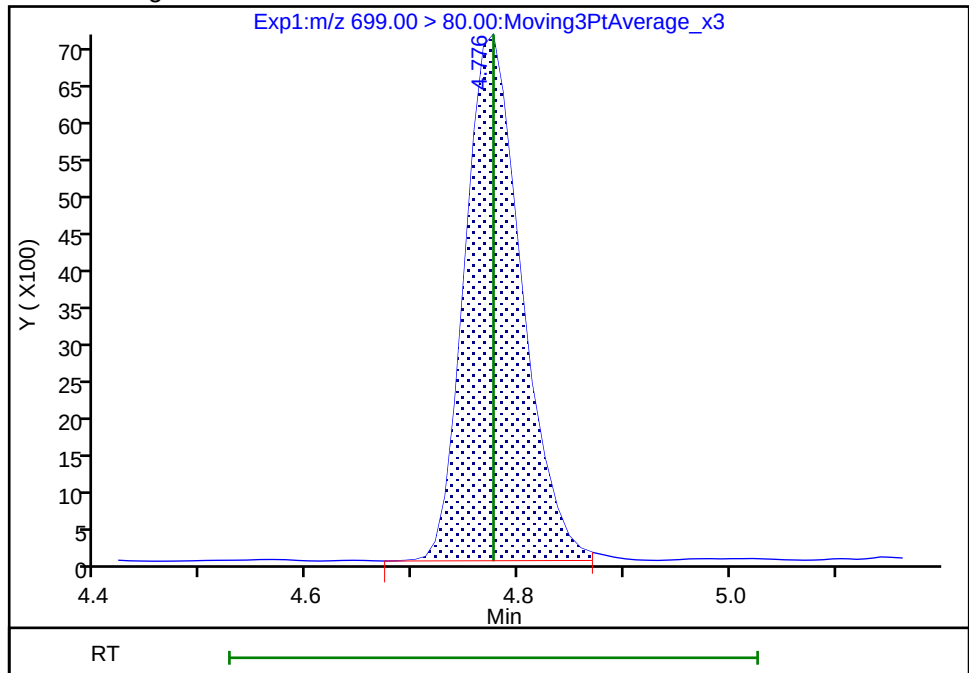
RT: 4.78
Area: 26672
Amount: 0.097278
Amount Units: ng/ml

Processing Integration Results



RT: 4.78
Area: 26552
Amount: 0.102415
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:57:40

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

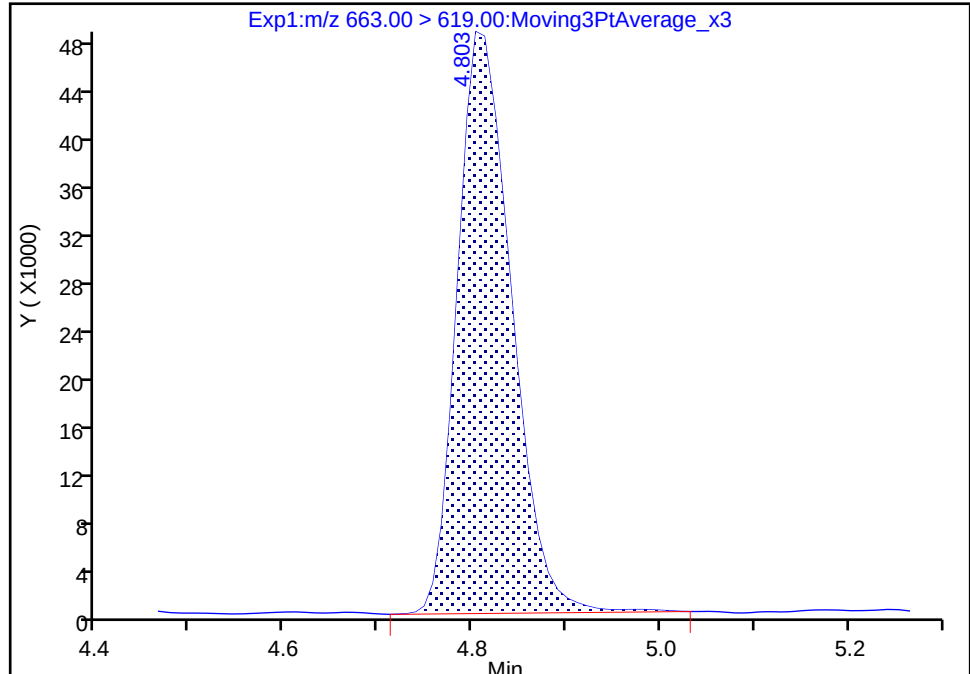
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

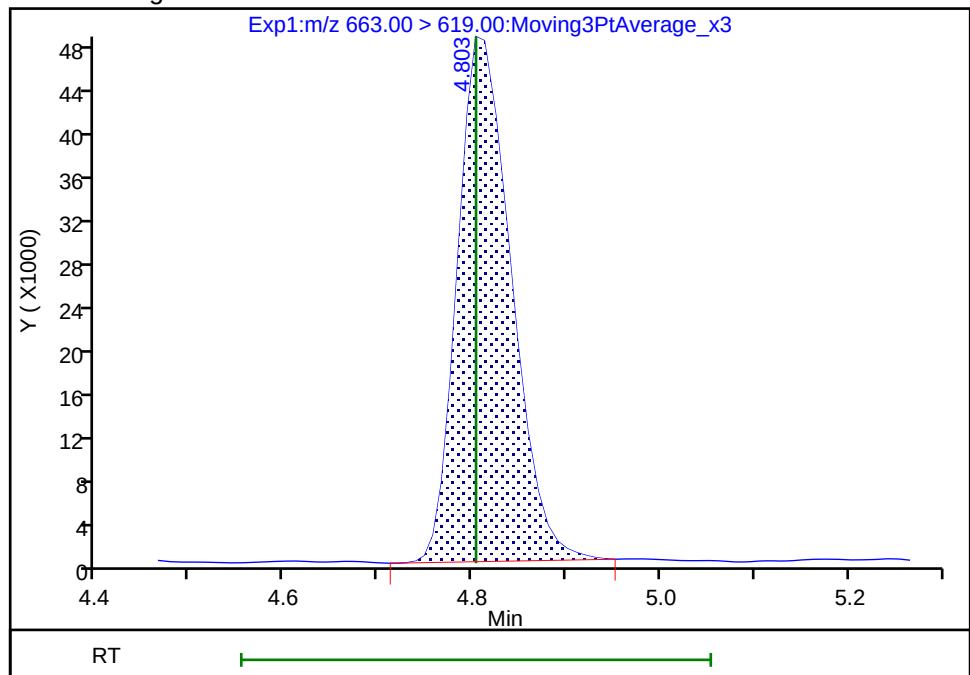
RT: 4.80
Area: 191046
Amount: 0.101171
Amount Units: ng/ml

Processing Integration Results



RT: 4.80
Area: 189059
Amount: 0.108461
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:57:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

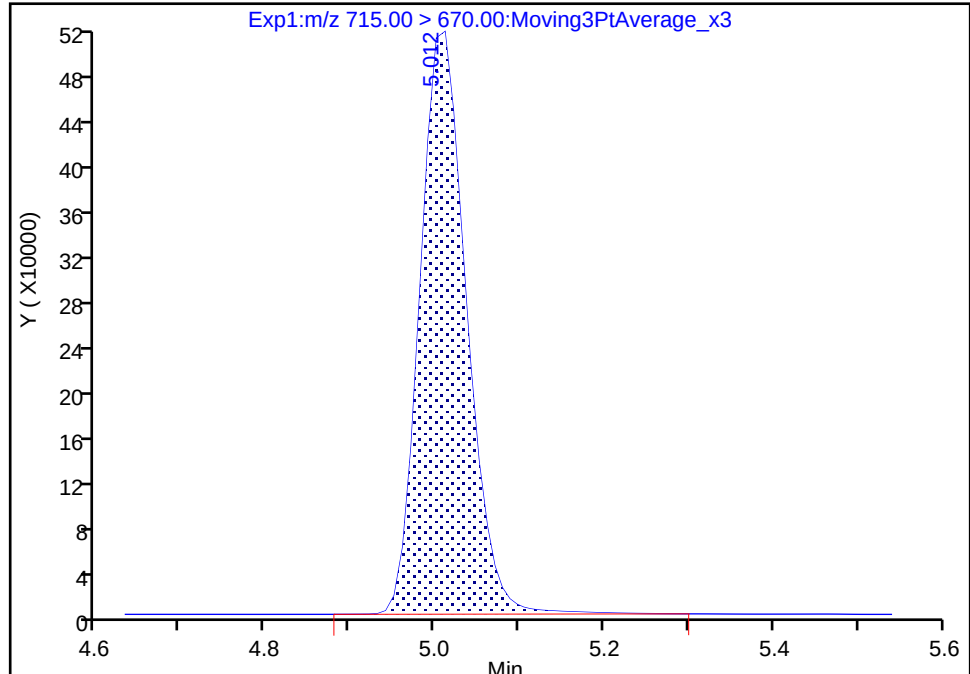
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

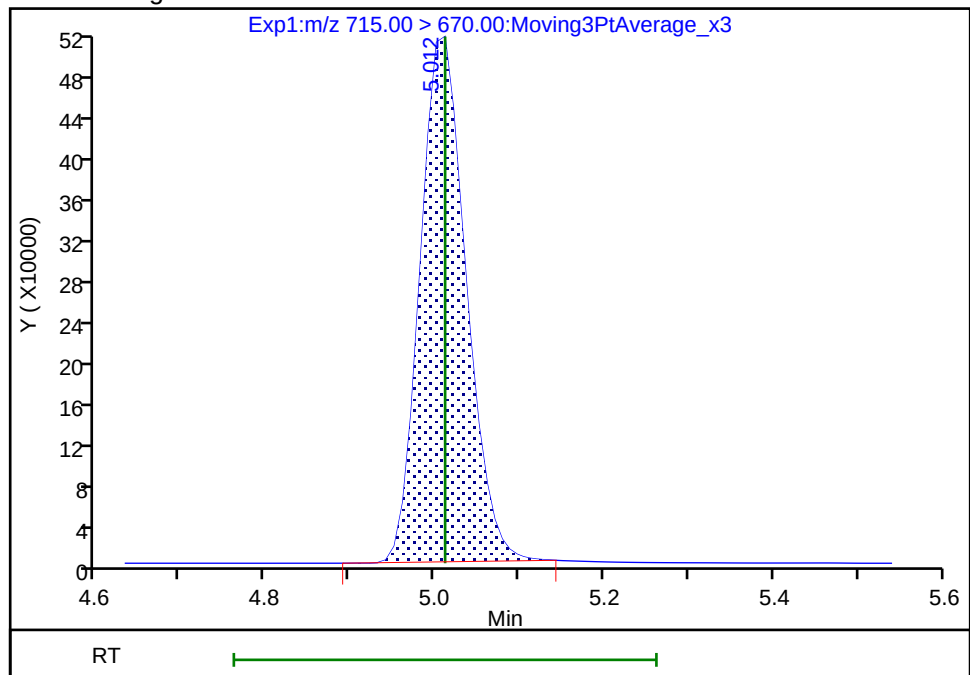
RT: 5.01
Area: 1965548
Amount: 1.242220
Amount Units: ng/ml

Processing Integration Results



RT: 5.01
Area: 1938056
Amount: 1.232163
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:57:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

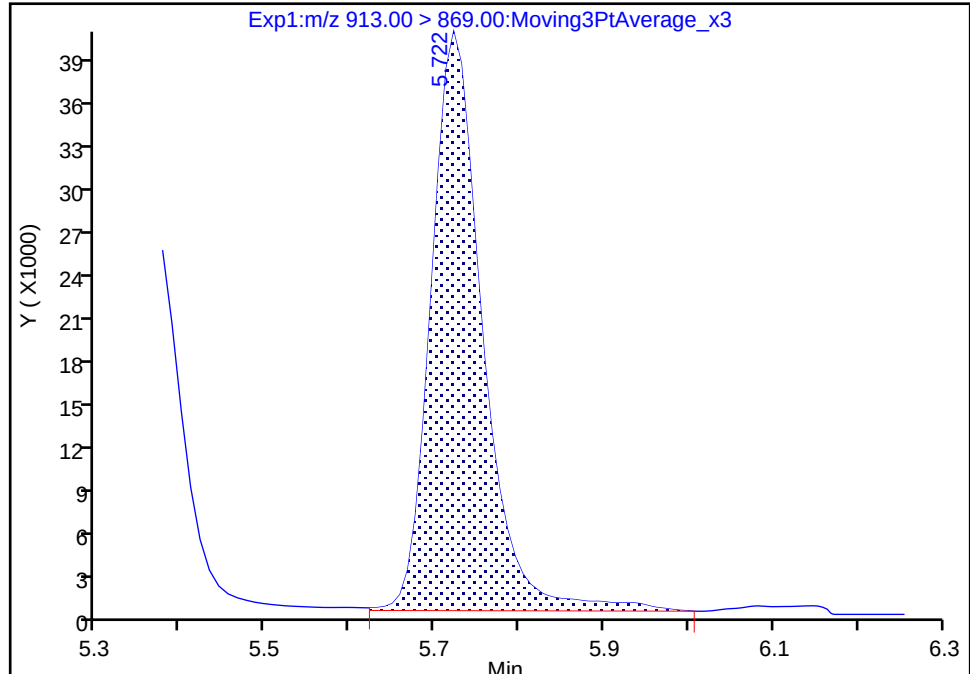
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

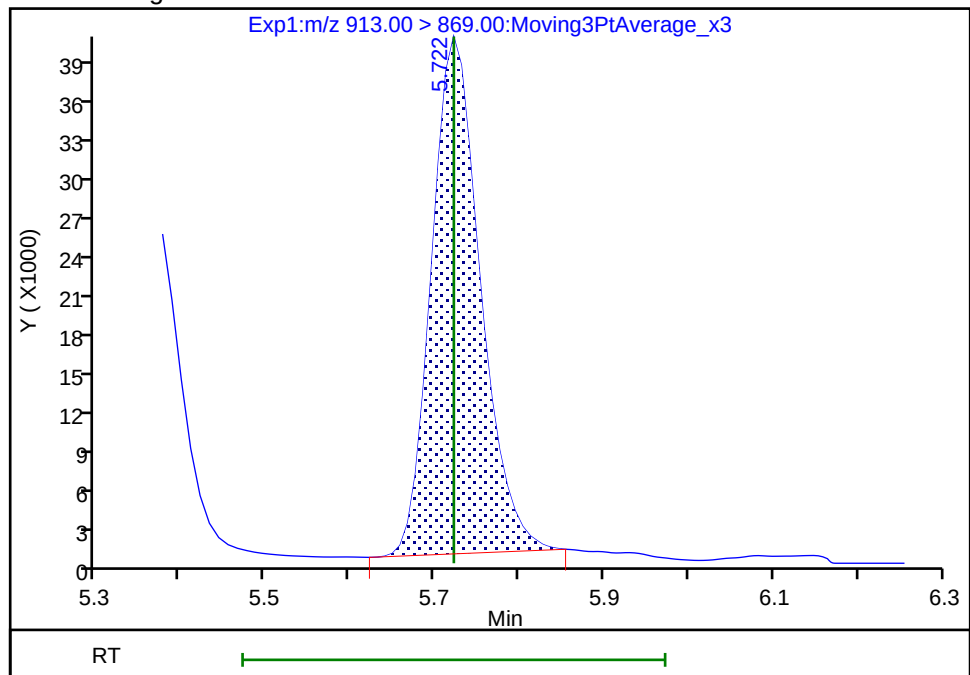
RT: 5.72
Area: 170572
Amount: 0.102523
Amount Units: ng/ml

Processing Integration Results



RT: 5.72
Area: 159361
Amount: 0.100699
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:58:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 18-Nov-2022 14:46:15 ALS Bottle#: 4 Worklist Smp#: 7
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 200-0053396-007 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 18-Nov-2022 15:37:34 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1602

First Level Reviewer: Z1IP

Date: 18-Nov-2022 15:05:27

Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags

D 1 13C4 PFBA

217.00 > 172.00 2.077 2.076 0.001 0.601 2637410 1.23 98.3 11854

2 Perfluorobutanoic acid

212.90 > 169.00 2.085 2.076 0.009 1.004 1137760 0.5229 105 108 M

D 3 13C5 PFPeA

267.90 > 223.00 2.387 2.387 0.0 0.691 2052396 1.26 100 3508

4 Perfluoropentanoic acid

262.90 > 219.00 2.387 2.387 0.0 1.000 929016 0.5192 104 24.4 M

D 47 13C3 PFBS

301.90 > 80.00 2.400 2.400 0.0 0.694 2040575 1.15 98.8 334958

5 Perfluorobutanesulfonic acid

298.90 > 80.00 2.414 2.400 0.014 1.006 899900 0.4481 Target=2.14 101 1321 M

298.90 > 99.00 2.414 2.400 0.014 1.006 430748 2.09(1.07-3.21) 101 317 M

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

327.00 > 307.00 2.701 2.689 0.012 1.000 229433 0.4862 104 2008

D 60 M2-4:2 FTS

329.00 > 81.00 2.701 2.689 0.012 0.781 178810 1.14 97.6 203

D 7 13C2 PFHxA

315.00 > 270.00 2.738 2.725 0.013 0.792 2177304 1.27 102 5404

6 Perfluorohexanoic acid

313.00 > 269.00 2.738 2.725 0.013 1.000 992048 0.5227 Target=13.44 105 212 M

313.00 > 119.00 2.738 2.725 0.013 1.000 70446 14.08(6.72-20.15) 105 109

70 Perfluoropentanesulfonic acid

349.00 > 80.00 2.738 2.737 0.001 0.883 837304 0.5028 Target=2.98 107 1270 M

349.00 > 99.00 2.738 2.737 0.001 0.883 277034 3.02(1.49-4.47) 107 689

D 64 13C3 HFPO-DA

287.00 > 169.00 2.847 2.835 0.012 0.824 378942 1.25 100 2213

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.847	2.835	0.012	1.000	174879	0.5463		109	738	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.099	3.088	0.011	0.897	1474490	1.14		96.4	2992	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.099	3.088	0.011	1.000	680406	0.4835	Target=3.57	106	613	M
399.00 > 99.00	3.099	3.088	0.011	1.000	185398		3.67(1.78-5.35)	106	227	M
D 9 13C4 PFHpA										M
367.00 > 322.00	3.099	3.099	0.0	0.897	2150118	1.22		97.6	2578	M
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.099	3.099	0.0	1.000	1003322	0.5357	Target=3.93	107	220	
363.00 > 169.00	3.099	3.099	0.0	1.000	251672		3.99(1.96-5.89)	107	546	M
77 DONA										M
377.00 > 251.00	3.132	3.132	0.0	0.832	2408962	0.5050	Target=3.08	107	2523	M
377.00 > 85.00	3.132	3.132	0.0	0.832	760123		3.17(1.54-4.62)	107	909	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.439	3.439	0.0	0.995	247623	1.14		96.1	604	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.439	3.439	0.0	1.000	235479	0.5227		110	570	
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.439	3.439	0.0	0.914	616490	0.5096	Target=5.16	107	2611	
449.00 > 99.00	3.439	3.439	0.0	0.914	120467		5.12(2.58-7.74)	107	616	M
D 14 13C4 PFOA										
417.00 > 372.00	3.448	3.448	0.0	0.997	2474245	1.25		99.9	3212	
* 62 13C2 PFOA										
415.00 > 370.00	3.457	3.448	0.009		2392397	1.25			3521	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.457	3.448	0.009	1.003	1110144	0.5246	Target=2.82	105	82.7	
413.00 > 169.00	3.457	3.448	0.009	1.003	391263		2.84(1.41-4.23)	105	806	
D 18 13C4 PFOS										M
503.00 > 80.00	3.764	3.764	0.0	1.089	1035061	1.18		98.6	2361	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.774	3.764	0.010	1.003	471879	0.4480	Target=5.01	96.5	102	M
499.00 > 99.00	3.764	3.764	0.0	1.000	103252		4.57(2.50-7.51)	96.5	102	M
D 19 13C5 PFNA										M
468.00 > 423.00	3.783	3.783	0.0	1.094	2379680	1.24		98.9	2665	M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.783	3.783	0.0	1.000	1050495	0.5319	Target=8.49	106	218	
463.00 > 169.00	3.783	3.783	0.0	1.000	118713		8.85(4.25-12.74)	106	803	M
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.928	3.928	0.0	1.044	1190983	0.4926		106	2626	M
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.061	4.050	0.011	1.079	390435	0.4911	Target=2.60	102	2933	
549.00 > 99.00	4.061	4.050	0.011	1.079	149046		2.62(1.30-3.90)	102	1506	
D 23 13C2 PFDA										M
515.00 > 470.00	4.082	4.081	0.001	1.181	2334094	1.19		95.2	2867	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.093	4.081	0.012	1.003	1184639	0.5850	Target=10.03	117	511	
513.00 > 169.00	4.093	4.081	0.012	1.003	108172		10.95(5.02-15.05)	117	172	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.093	4.093	0.0	1.184	321045	1.21		101	876	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.093	4.093	0.0	1.000	222425	0.5131		107	1417	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.150	4.150	0.0	1.000	835408	0.5081		102	1225	
D 21 13C8 FOSA										M
506.00 > 78.00	4.150	4.150	0.0	1.201	1967036	1.22		97.8	2140	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.228	4.228	0.0	1.223	466044	1.17		93.3	922	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.239	4.228	0.011	1.003	183478	0.5604		112	288	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.332	4.331	0.001	1.151	325384	0.5183	Target=2.58	108	1654	
599.00 > 99.00	4.332	4.331	0.001	1.151	120718		2.70(1.29-3.86)	108	963	M
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.355	4.353	0.002	1.000	1004863	0.5589	Target=10.10	112	429	M
563.00 > 169.00	4.355	4.353	0.002	1.000	95565		10.51(5.05-15.15)	112	1035	
D 30 13C2 PFUnA										M
565.00 > 520.00	4.355	4.353	0.002	1.260	2230172	1.24		99.3	2329	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.377	4.365	0.012	1.003	182262	0.5108		102	737	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.366	4.365	0.001	1.263	498173	1.27		101	956	
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.455	4.454	0.001	1.184	1834007	0.4921		104	3964	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.602	4.591	0.011	1.000	1027352	0.5397	Target=7.41	108	64.0	
613.00 > 169.00	4.591	4.591	0.0	0.998	134691		7.63(3.70-11.11)	108	843	
D 36 13C2 PFDaA										
615.00 > 570.00	4.602	4.591	0.011	1.331	2245926	1.23		98.2	3386	
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.612	4.612	0.0	1.127	125547	0.4819		100.0	653	M
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.776	4.776	0.0	1.269	135657	0.5107	Target=0.51	106	1367	M
699.00 > 99.00	4.776	4.776	0.0	1.269	264160		0.51(0.25-0.76)	106	1629	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.813	4.804	0.009	1.046	987678	0.5425	Target=5.40	109	72.4	M
663.00 > 169.00	4.813	4.804	0.009	1.046	186073		5.31(2.70-8.10)	109	641	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.012	5.012	0.0	1.000	113607	0.5327	Target=0.90	107	875	
713.00 > 219.00	5.002	5.012	-0.010	0.998	120383		0.94(0.45-1.35)	107	1031	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.012	5.012	0.0	1.450	1947280	1.23		98.4	2530	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										M
815.00 > 770.00	5.378	5.367	0.011	1.556	2348434	1.20		96.0	2289	M
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.378	5.367	0.011	1.000	978907	0.5496	Target=5.85	110	82.4	M
813.00 > 169.00	5.378	5.367	0.011	1.000	169718		5.77(2.93-8.78)	110	842	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.722	5.722	0.0	1.064	852104	0.5507	Target=6.30	110	86.6	M
913.00 > 169.00	5.722	5.722	0.0	1.064	133969		6.36(3.15-9.46)	110	557	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC3_00015

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d

Injection Date: 18-Nov-2022 14:46:15

Instrument ID: LC812

Lims ID: IC

Client ID:

Operator ID: lc812tech

ALS Bottle#: 4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

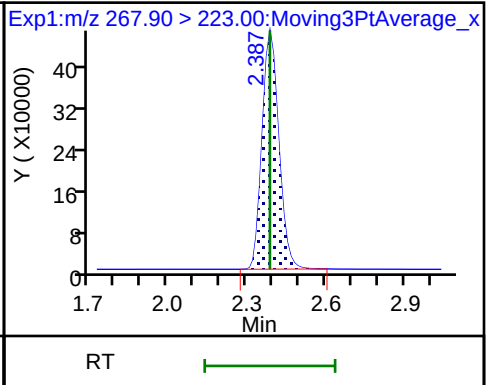
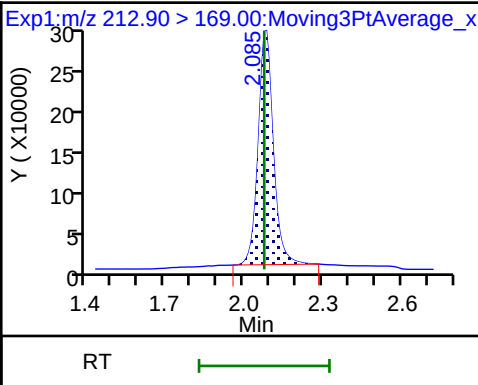
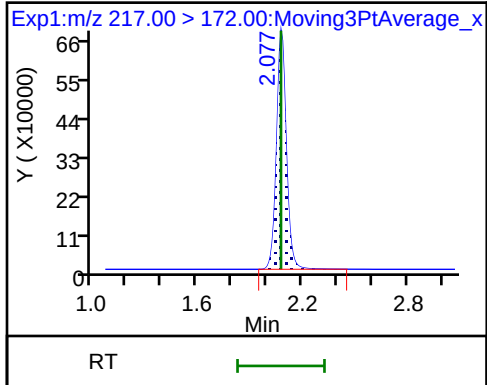
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

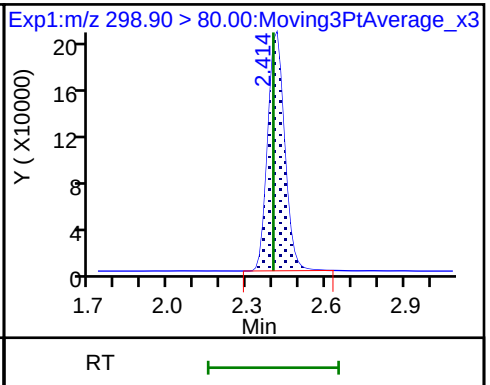
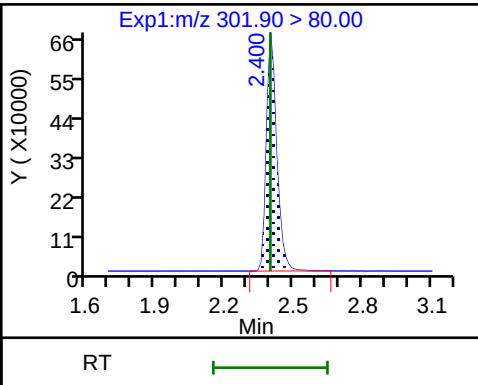
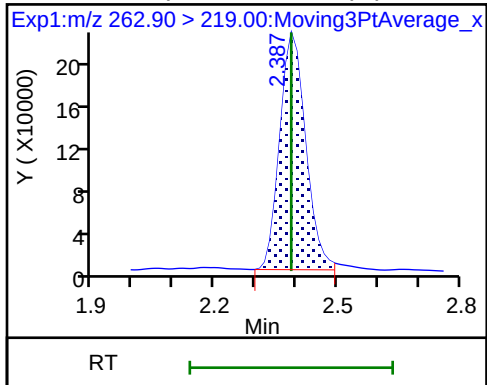
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

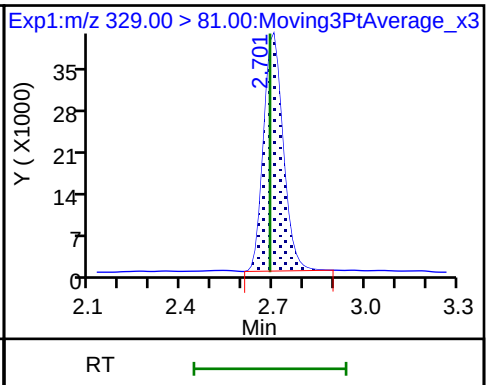
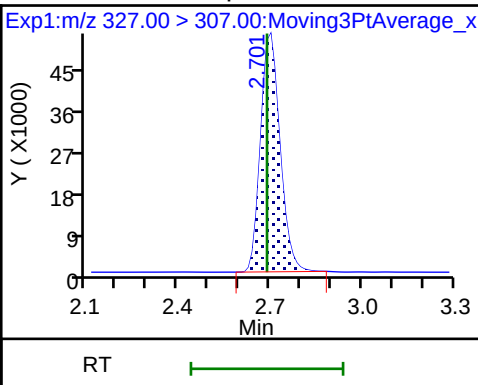
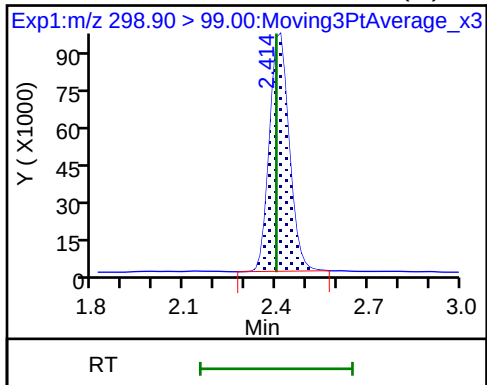
D 47 13C3 PFBS

5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid (M)

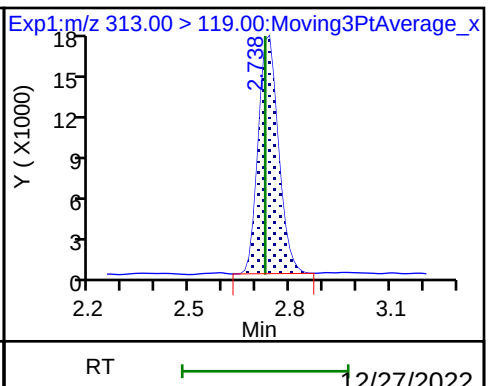
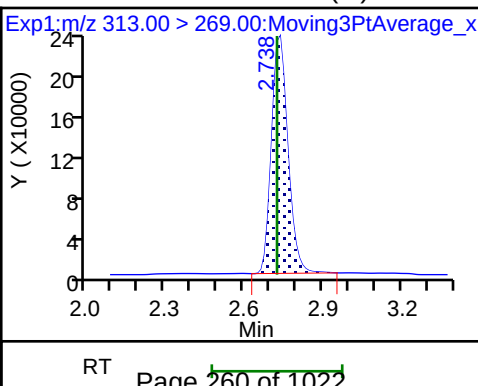
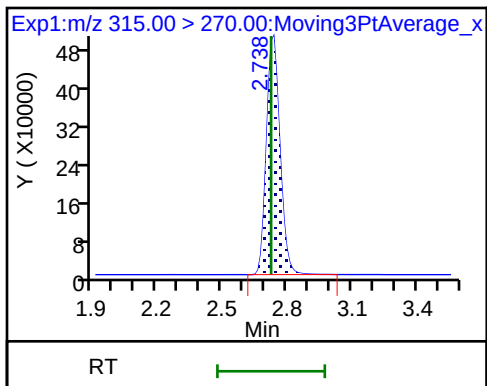
61 1H,1H,2H,2H-perfluorohexanesulfo D 60 M2-4:2 FTS



D 7 13C2 PFHxA

6 Perfluorohexanoic acid (M)

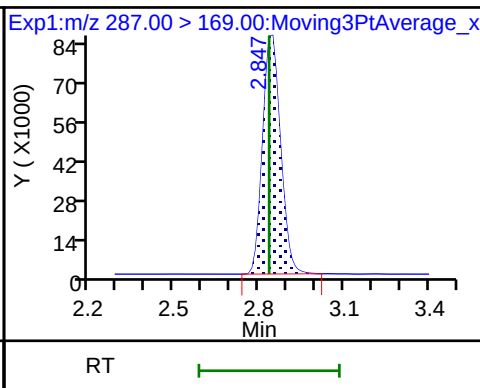
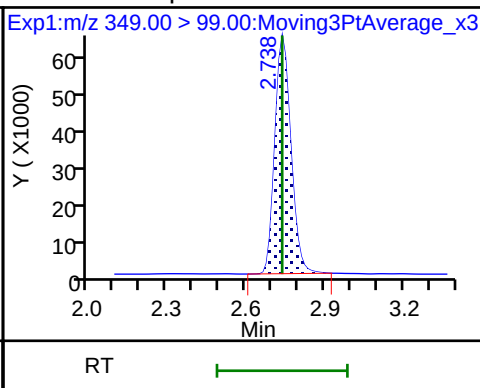
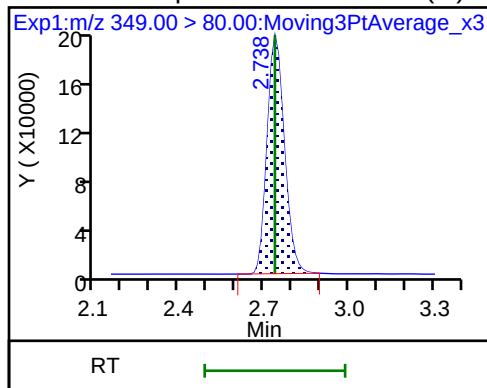
6 Perfluorohexanoic acid



70 Perfluoropentanesulfonic acid (M)

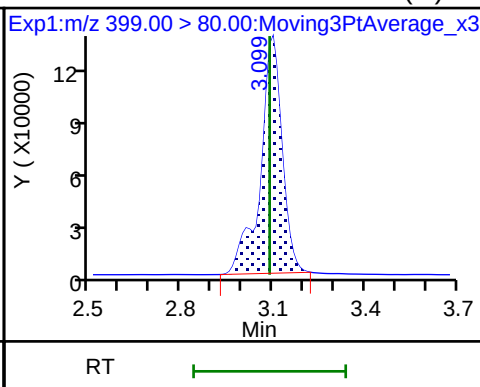
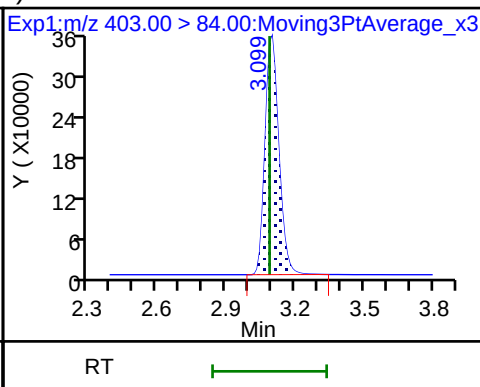
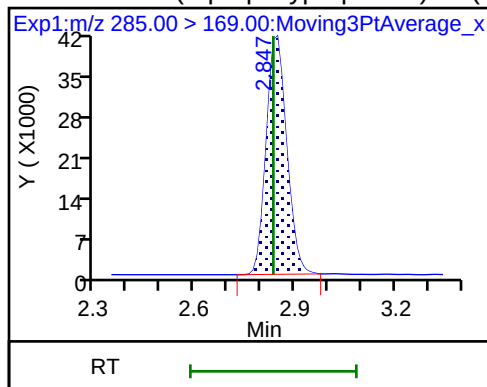
70 Perfluoropentanesulfonic acid

D 64 13C3 HFPO-DA



67 Perfluoro(2-propoxypropanoic) ac (M) 11 18O2 PFHxS

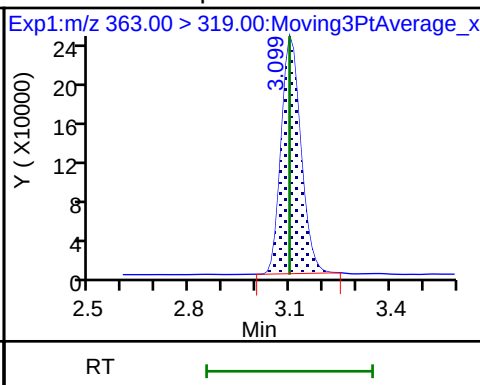
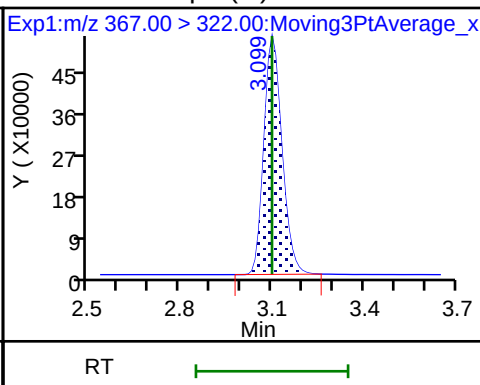
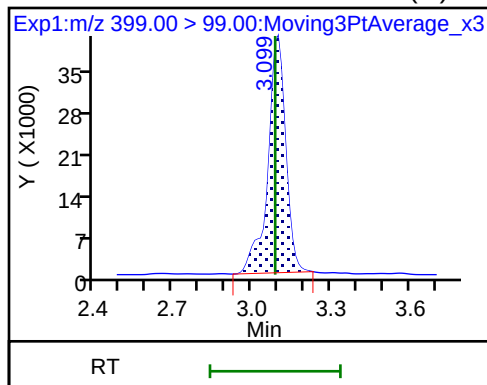
8 Perfluorohexanesulfonic acid (M)



8 Perfluorohexanesulfonic acid (M)

D 9 13C4 PFHpA (M)

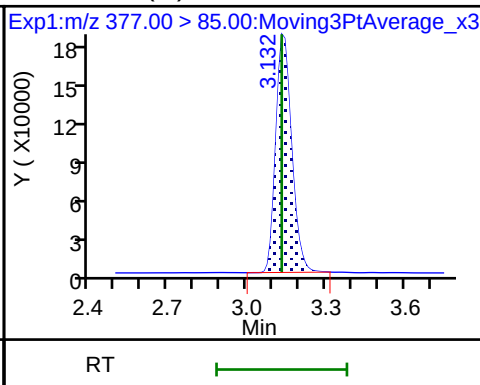
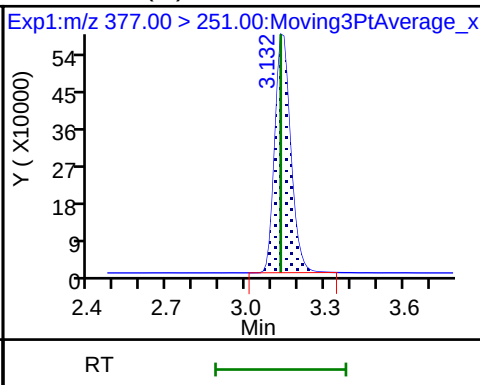
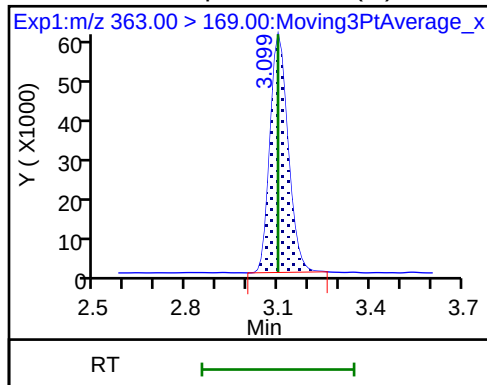
10 Perfluoroheptanoic acid



10 Perfluoroheptanoic acid (M)

77 DONA (M)

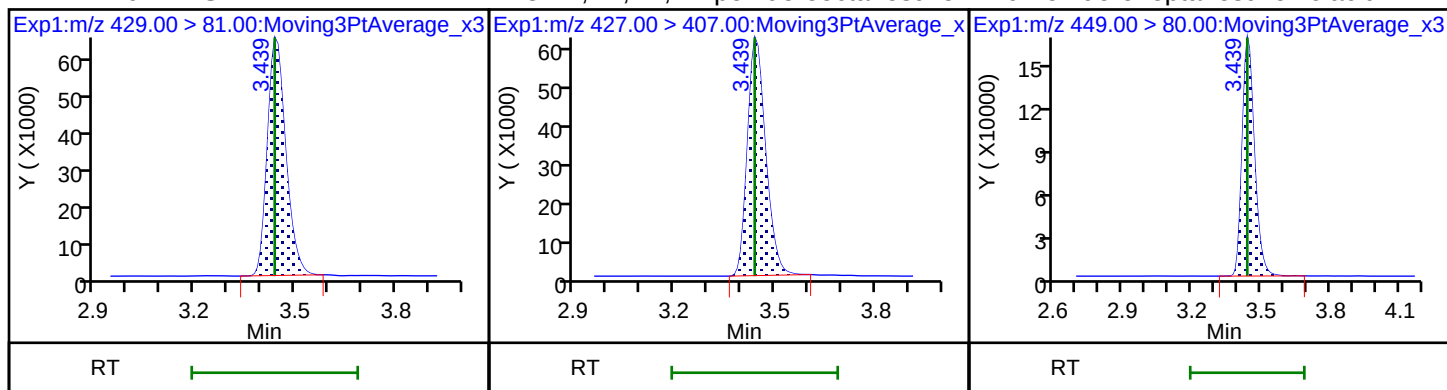
77 DONA (M)



D 12 M2-6:2 FTS

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

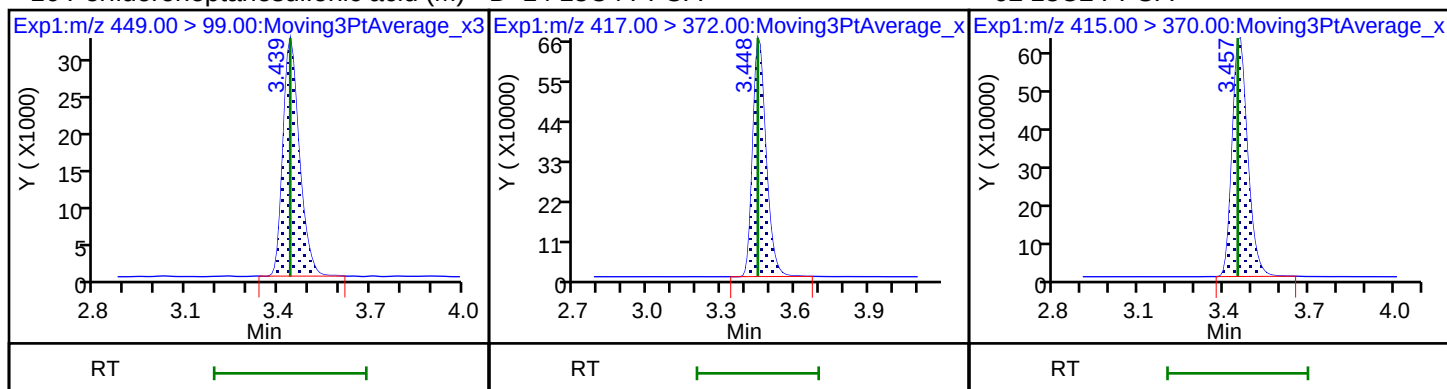
16 Perfluoroheptanesulfonic acid



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

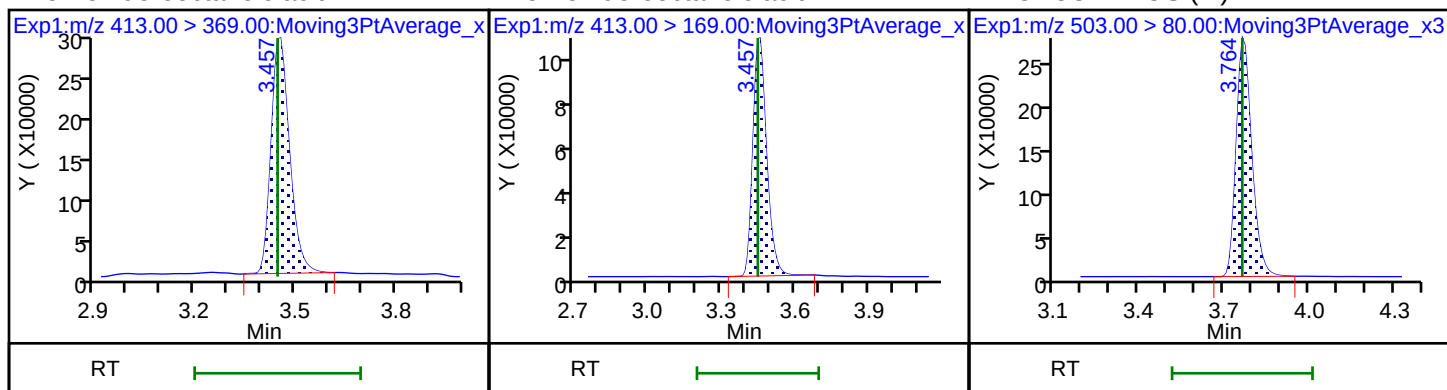
* 62 13C2 PFOA



15 Perfluorooctanoic acid

15 Perfluorooctanoic acid

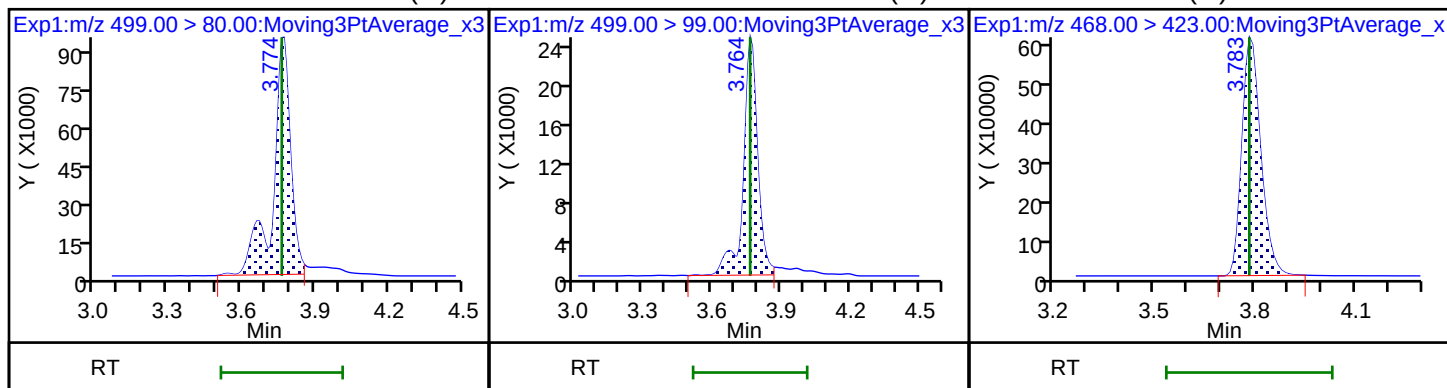
D 18 13C4 PFOS (M)

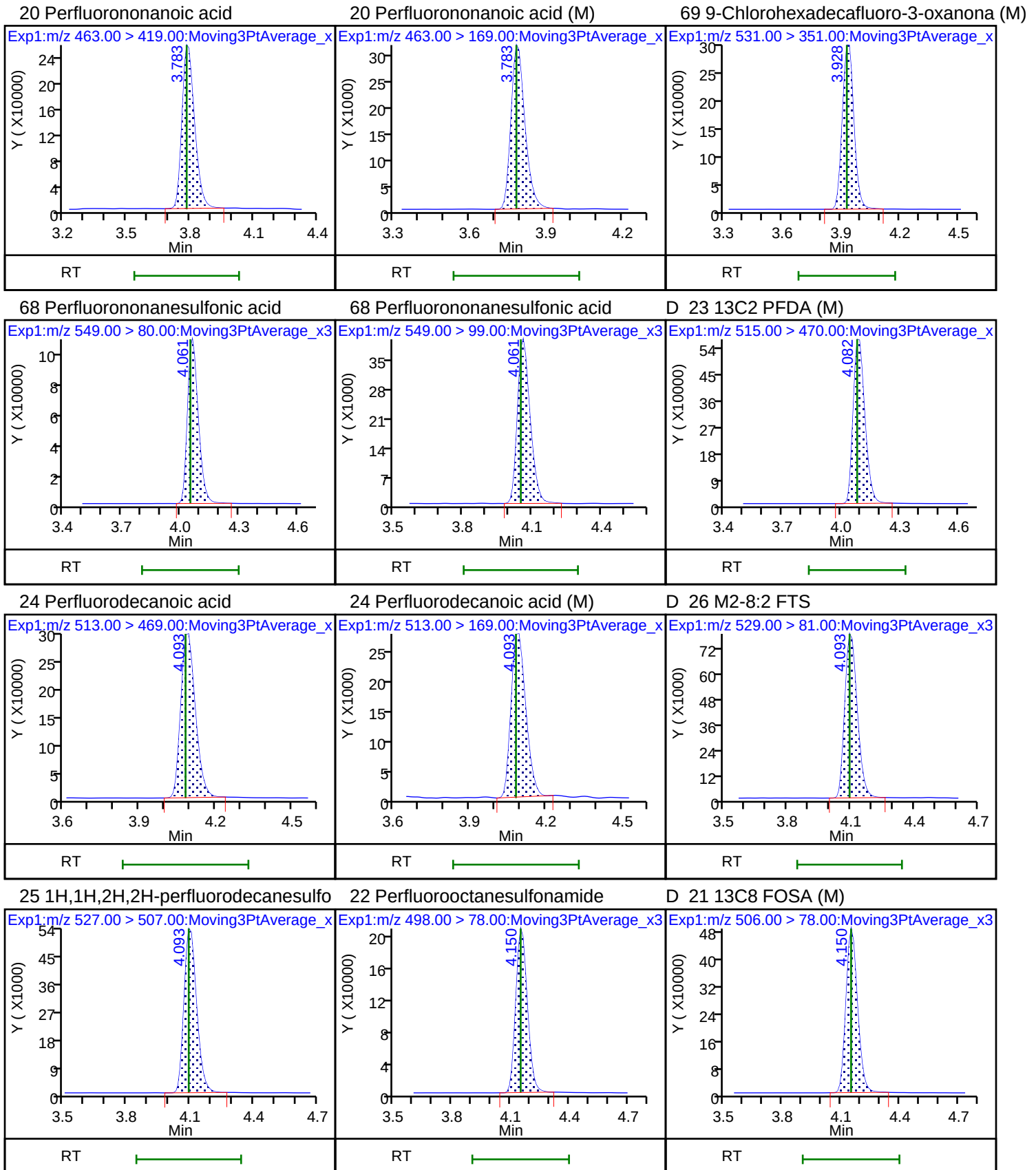


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

D 19 13C5 PFNA (M)

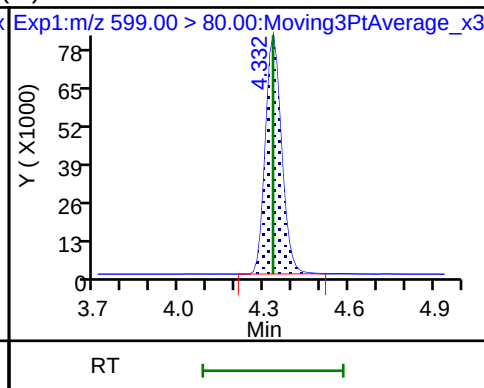
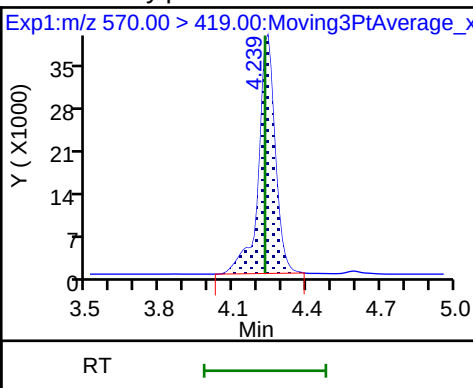
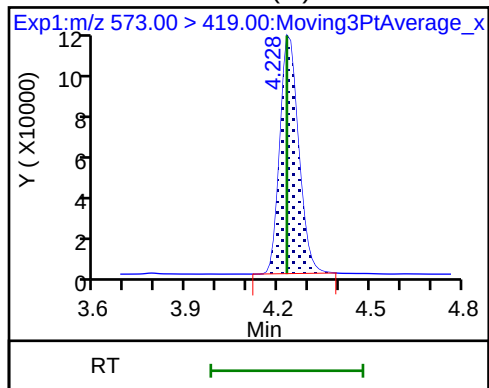




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

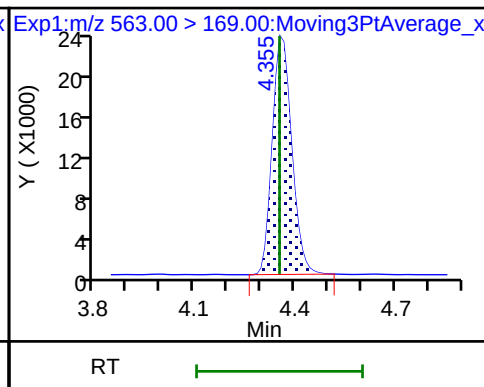
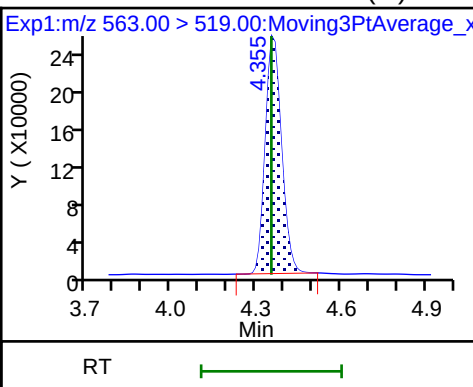
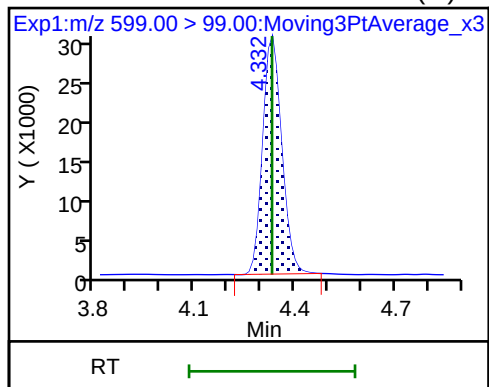
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid (M)

31 Perfluoroundecanoic acid (M)

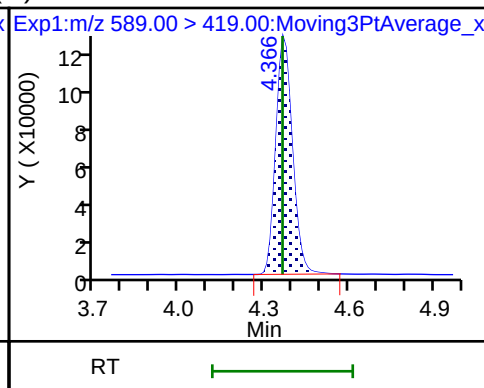
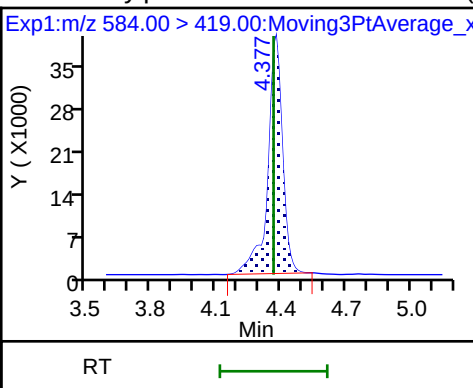
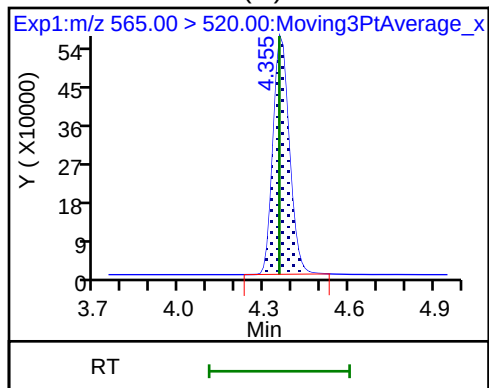
31 Perfluoroundecanoic acid



D 30 13C2 PFUnA (M)

33 N-ethylperfluorooctanesulfonamid (M)

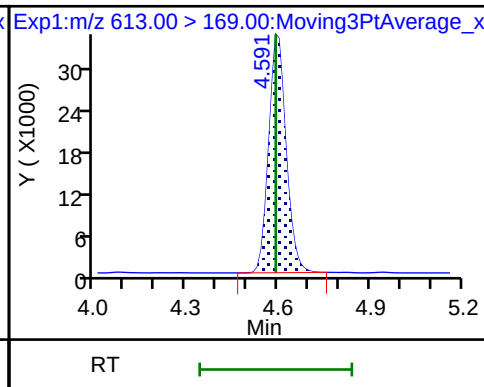
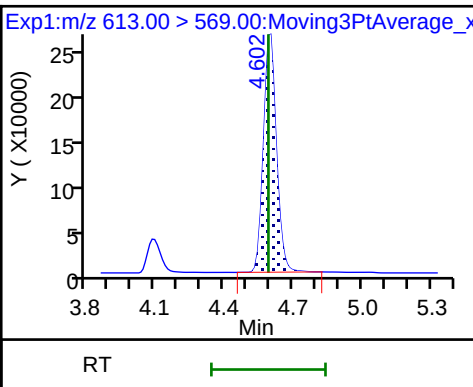
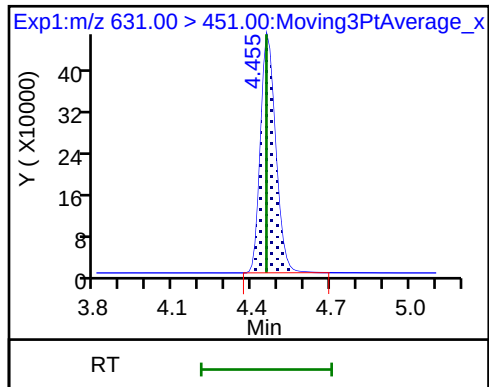
32 d5-NEtFOSAA



66 11-Chloroeicosafluoro-3-oxaundec

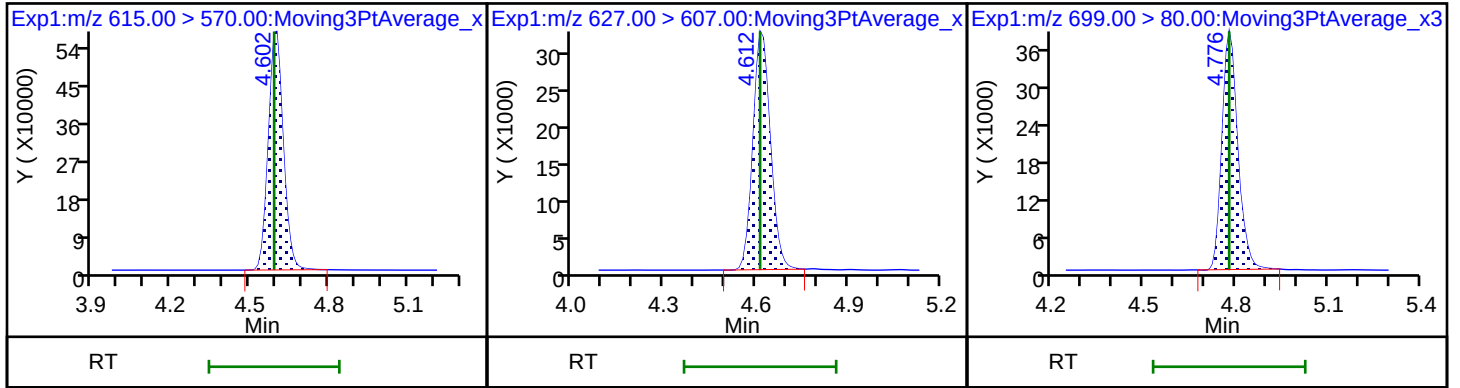
37 Perfluorododecanoic acid

37 Perfluorododecanoic acid



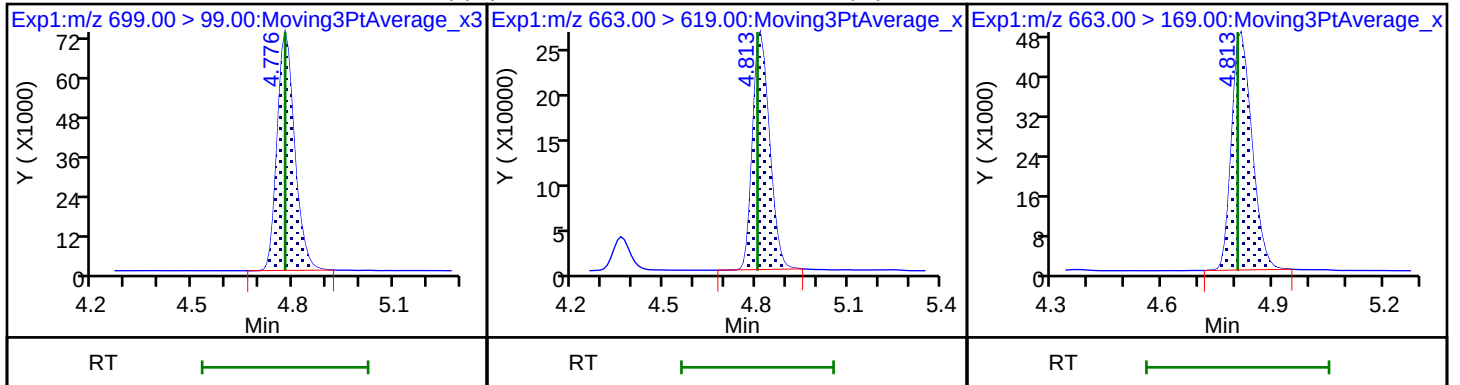
D 36 13C2 PFDaA

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



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

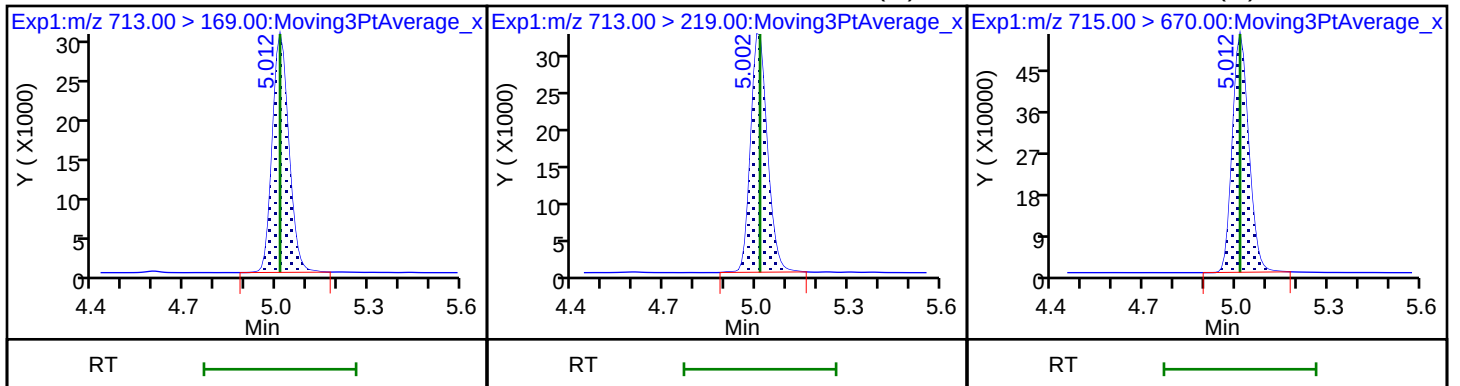
41 Perfluorotridecanoic acid



42 Perfluorotetradecanoic acid

42 Perfluorotetradecanoic acid (M)

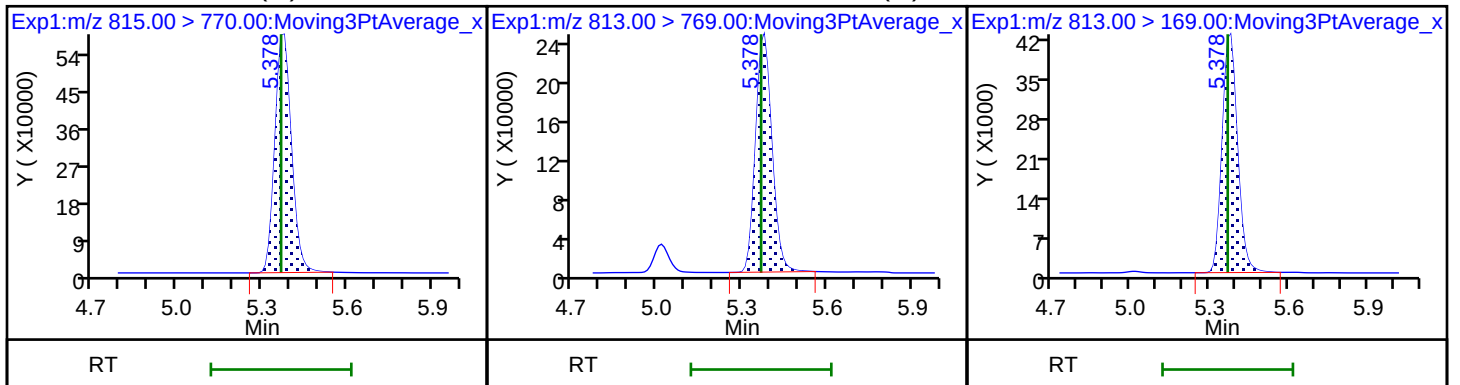
D 43 13C2 PFTeDA (M)



D 44 13C2 PFHxDA (M)

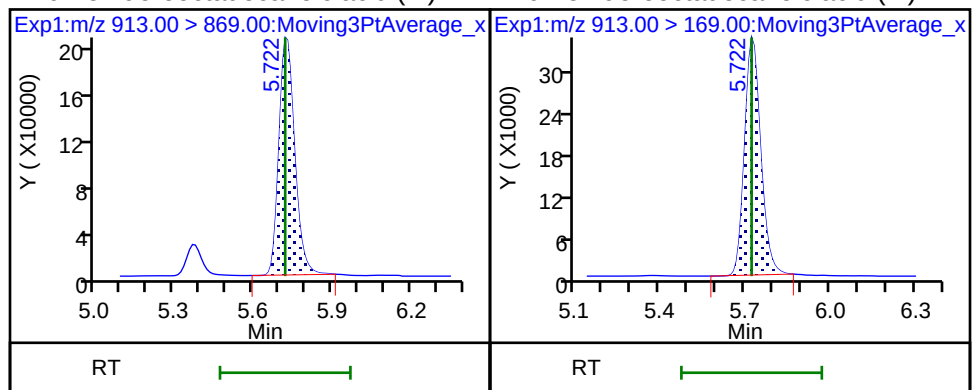
45 Perfluorohexadecanoic acid (M)

45 Perfluorohexadecanoic acid



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

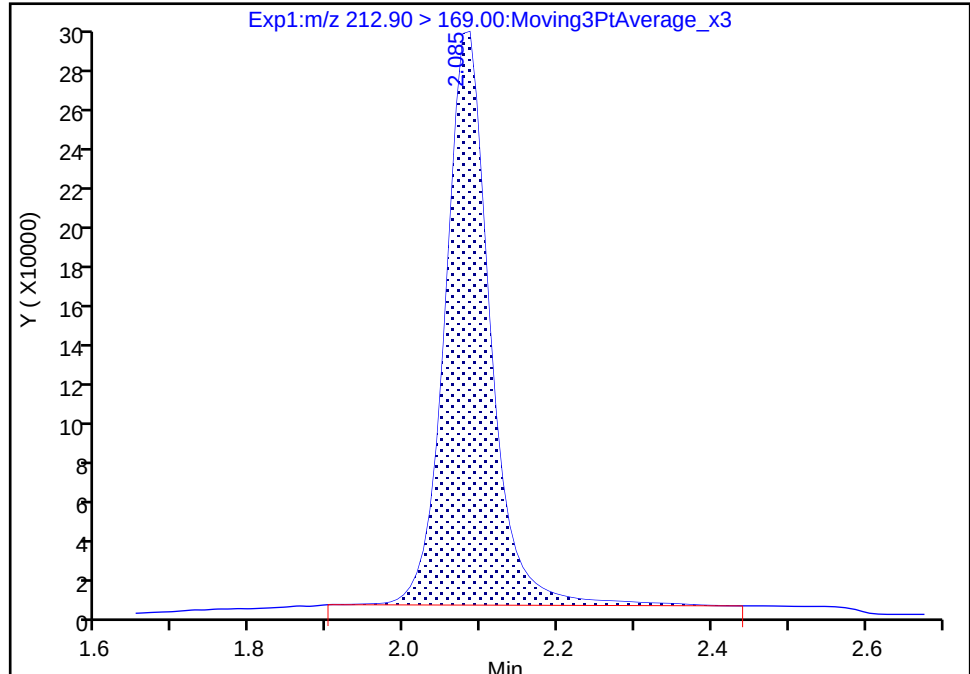
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Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

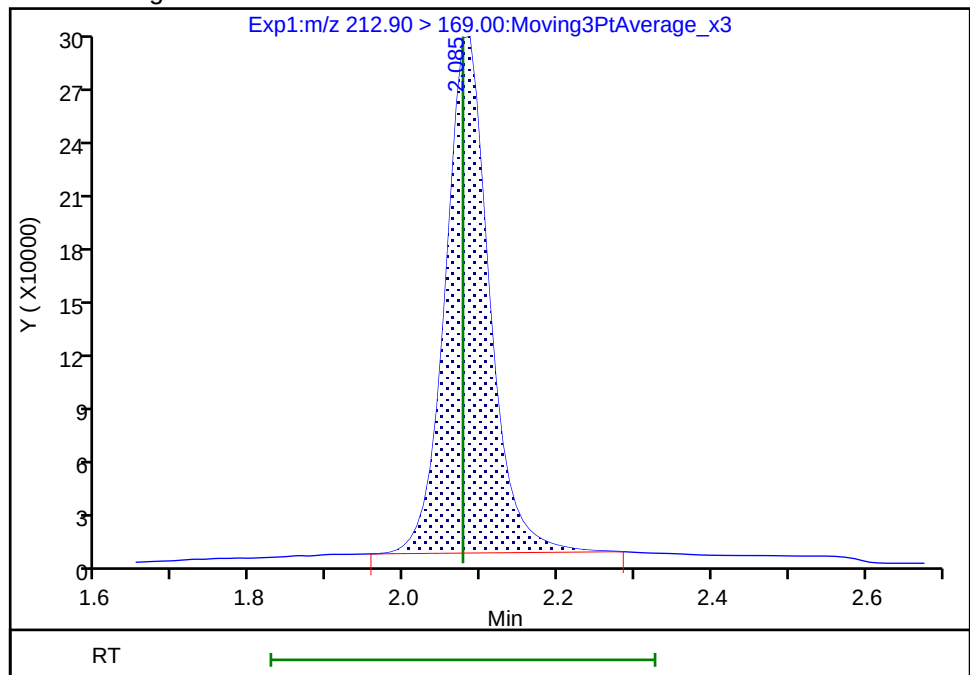
RT: 2.09
Area: 1168803
Amount: 0.489521
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 1137760
Amount: 0.522928
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:58:48
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

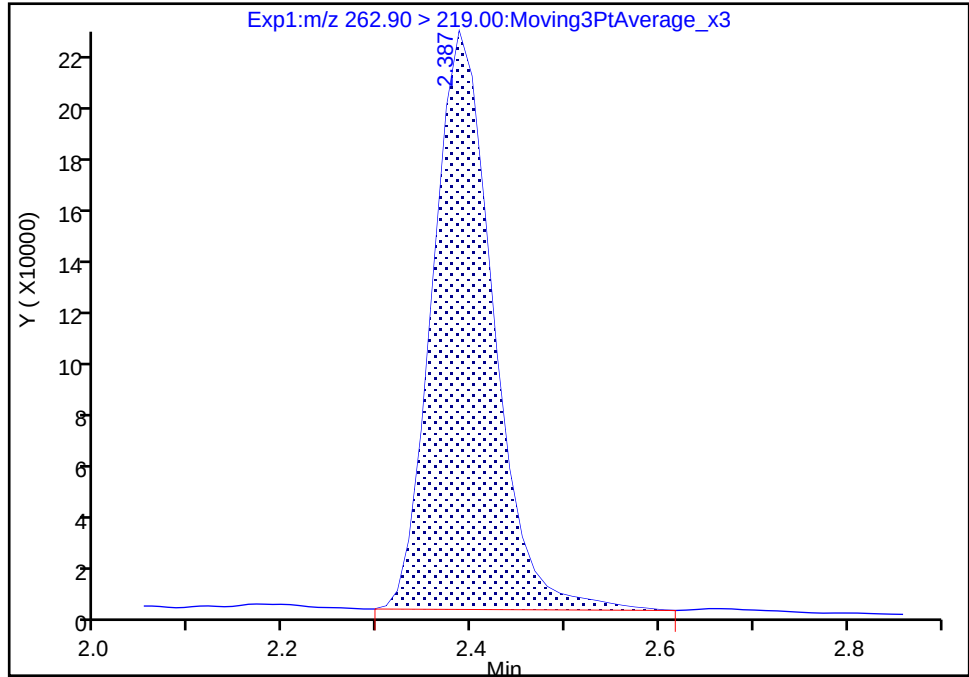
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

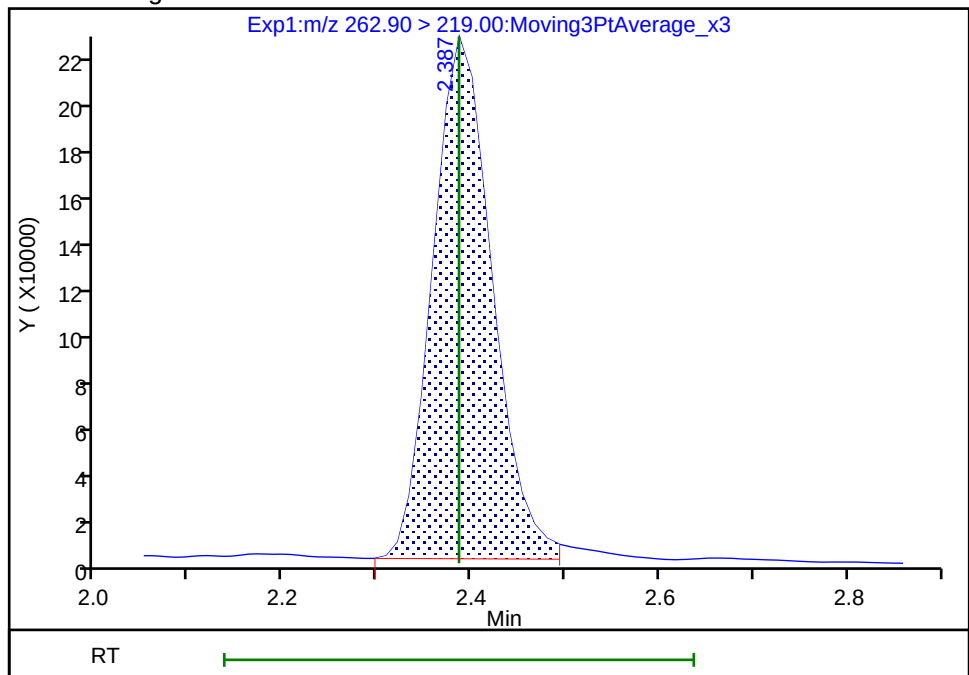
RT: 2.39
Area: 946379
Amount: 0.487855
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 929016
Amount: 0.519176
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:58:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

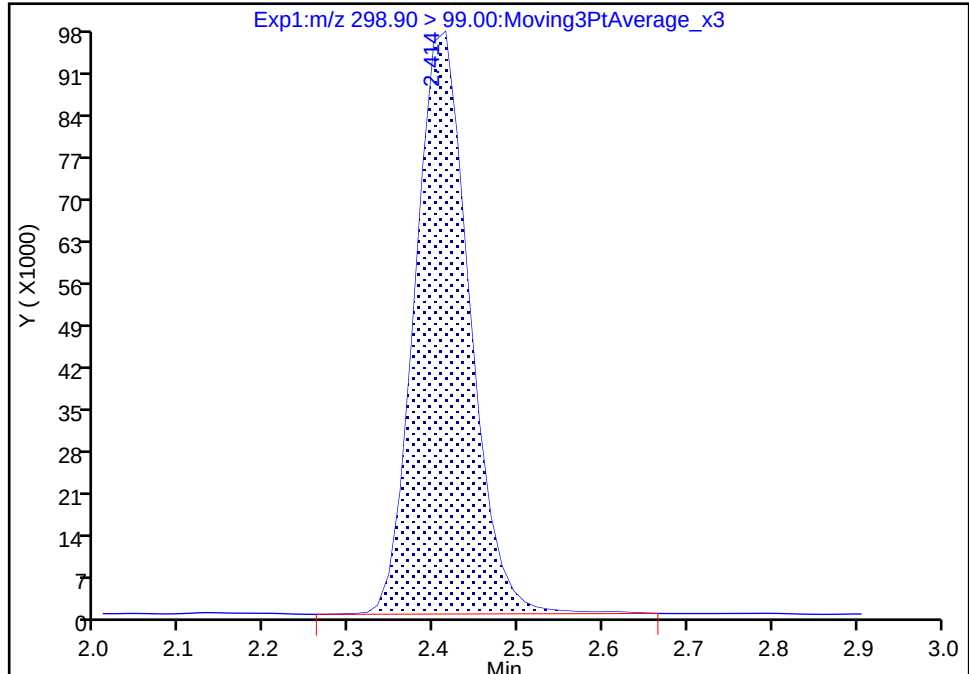
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

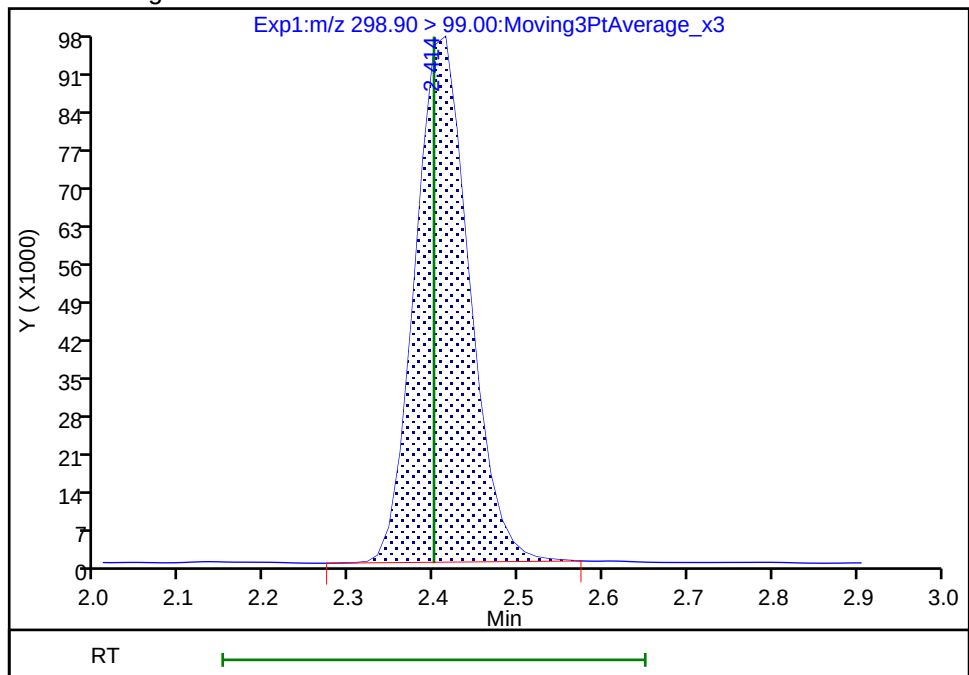
RT: 2.41
Area: 434508
Amount: 0.422187
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 430748
Amount: 0.448102
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:59:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

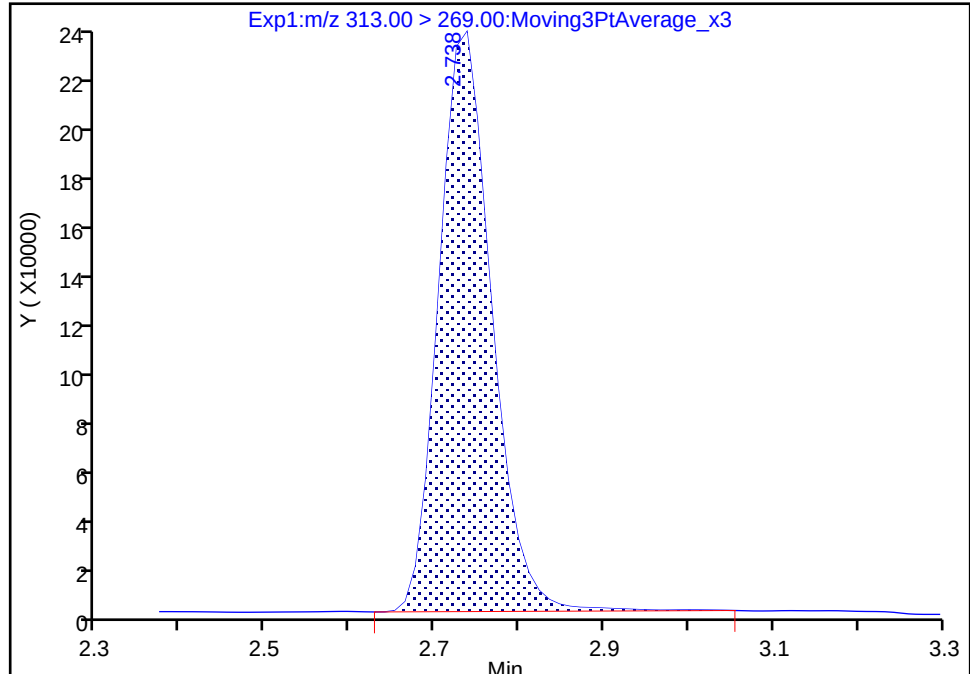
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

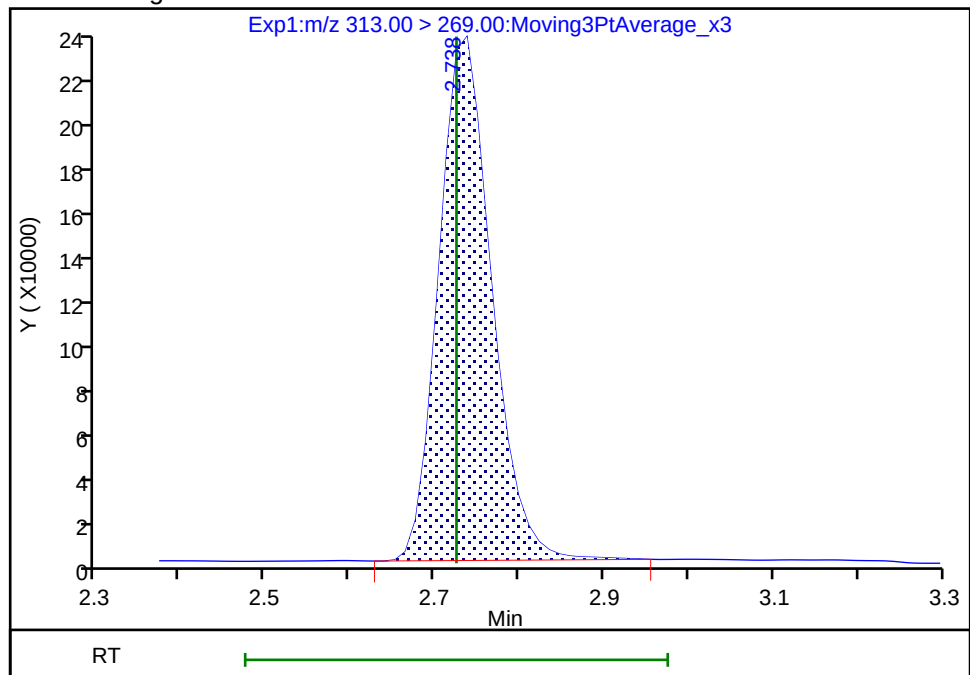
RT: 2.74
Area: 996443
Amount: 0.493667
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 992048
Amount: 0.522700
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:59:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

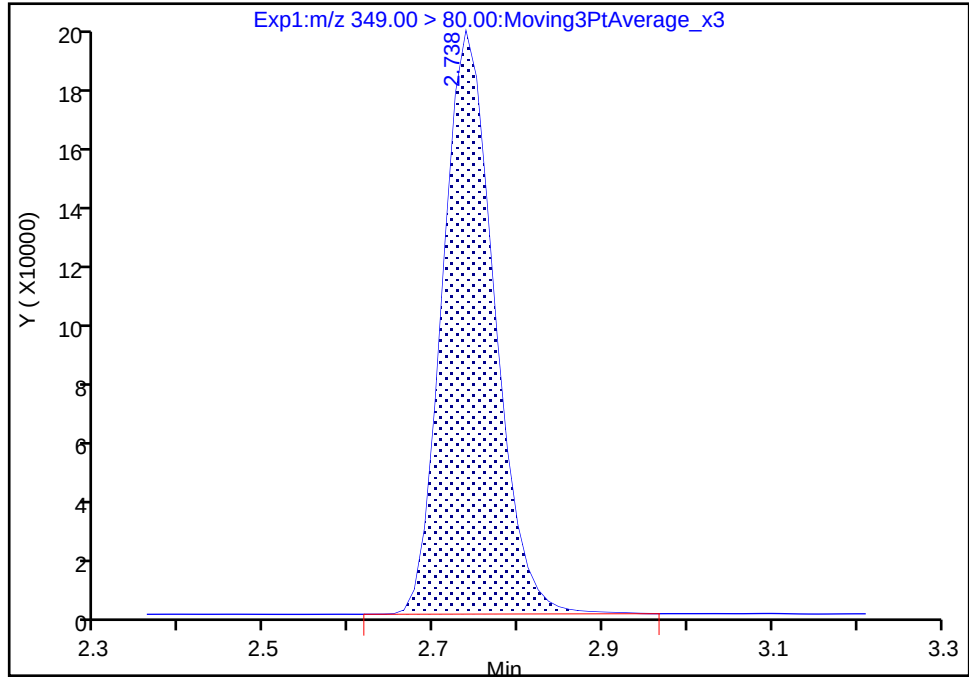
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

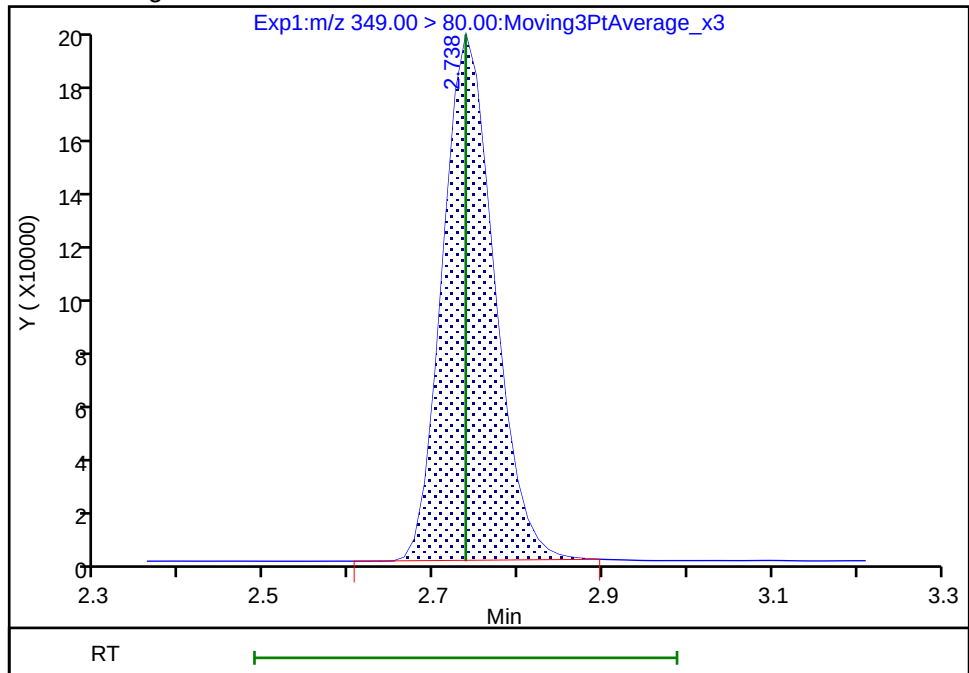
RT: 2.74
Area: 843222
Amount: 0.480975
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 837304
Amount: 0.502827
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:59:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

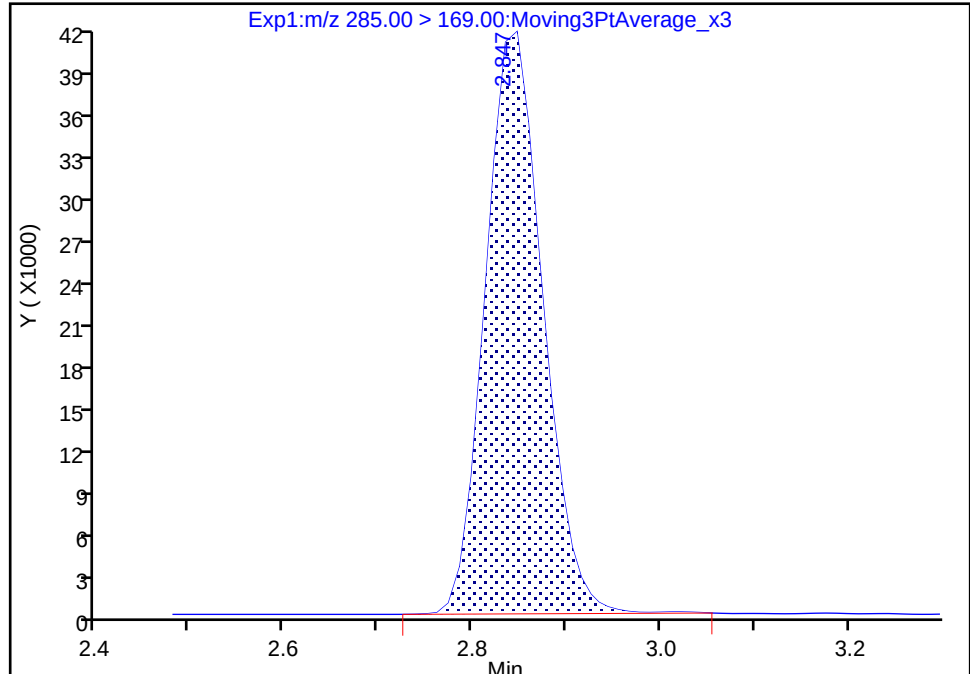
Data File:	\\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d		
Injection Date:	18-Nov-2022 14:46:15	Instrument ID:	LC812
Lims ID:	IC		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column: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

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

Signal: 1

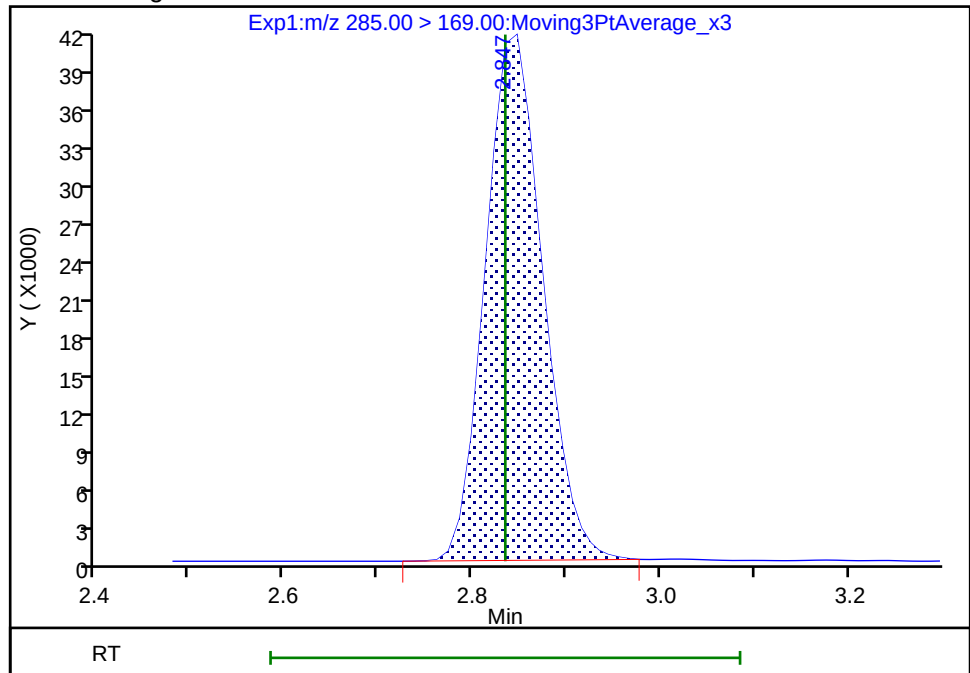
RT: 2.85
Area: 175711
Amount: 0.510805
Amount Units: ng/ml

Processing Integration Results



RT: 2.85
Area: 174879
Amount: 0.546316
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:00:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

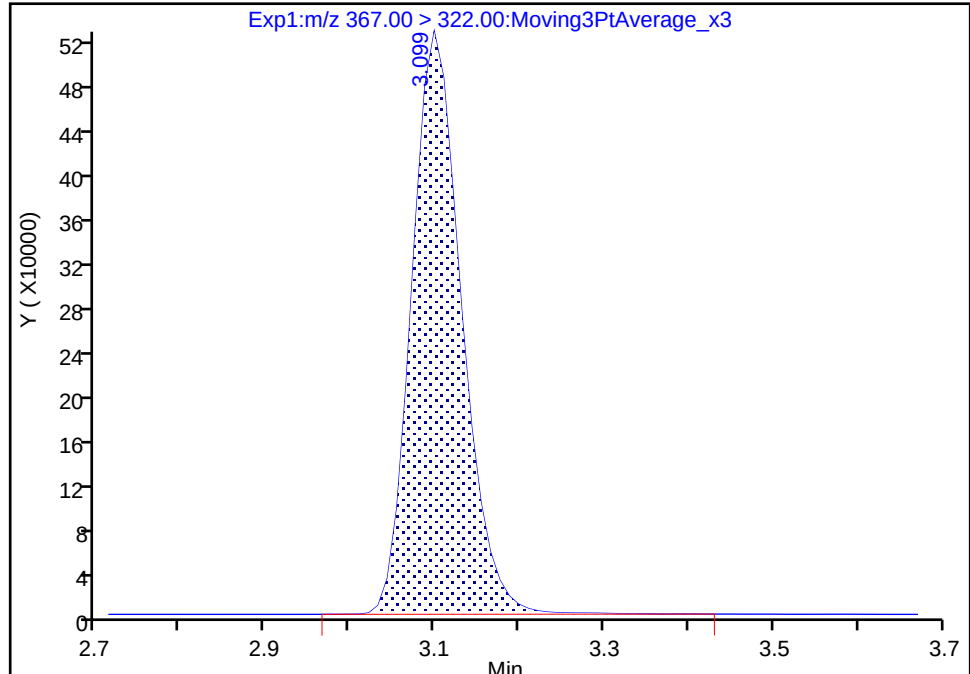
Data File:	\\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d		
Injection Date:	18-Nov-2022 14:46:15	Instrument ID:	LC812
Lims ID:	IC		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column: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

D 9 13C4 PFHpA, CAS: STL01892

Signal: 1

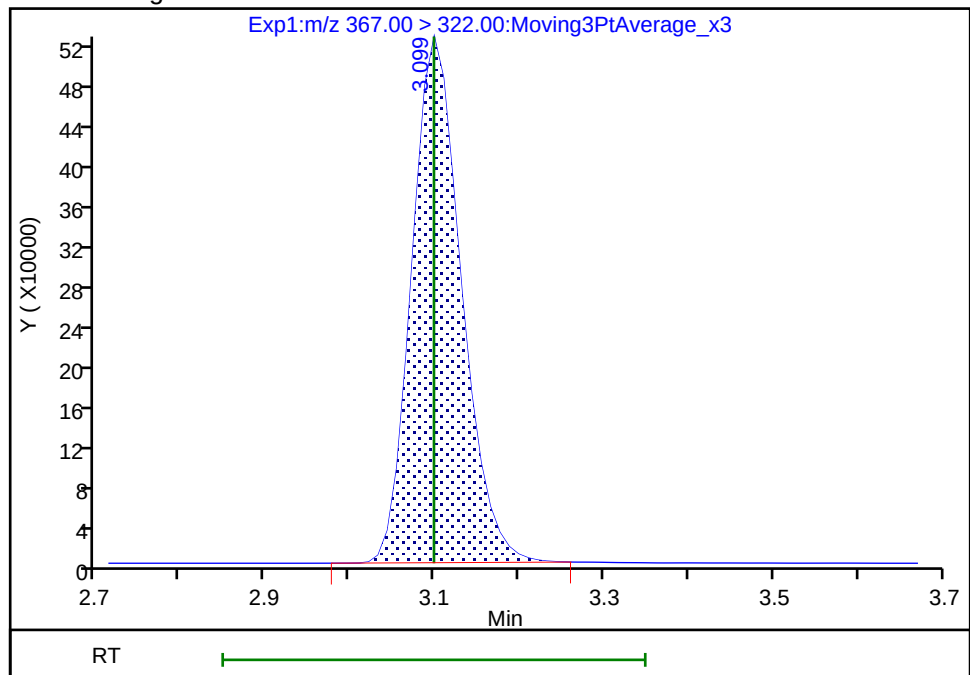
RT: 3.10
Area: 2162805
Amount: 1.248507
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 2150118
Amount: 1.220333
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:00:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

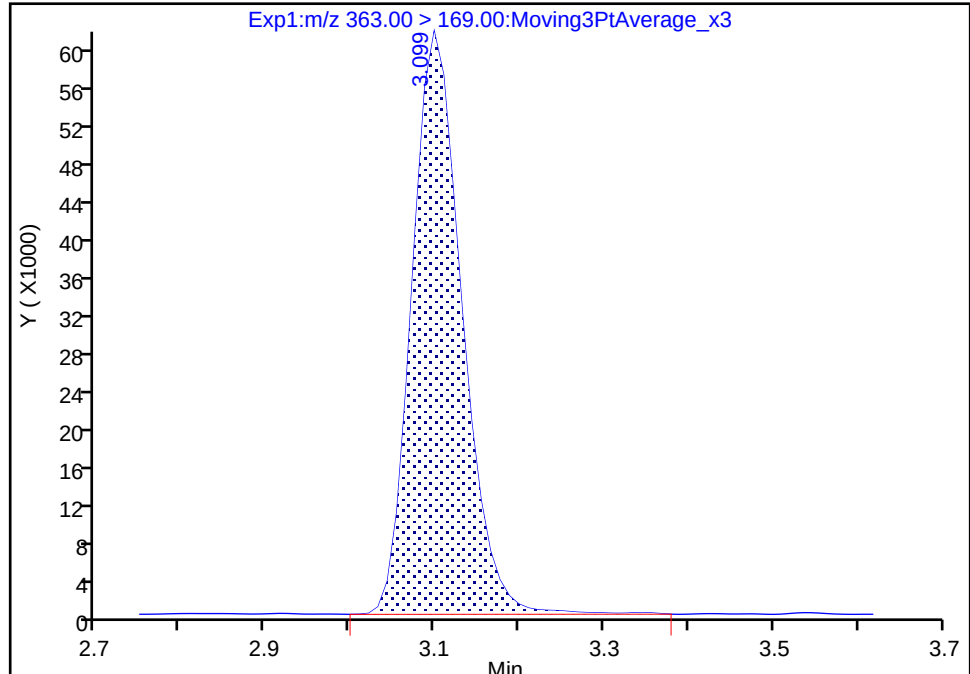
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

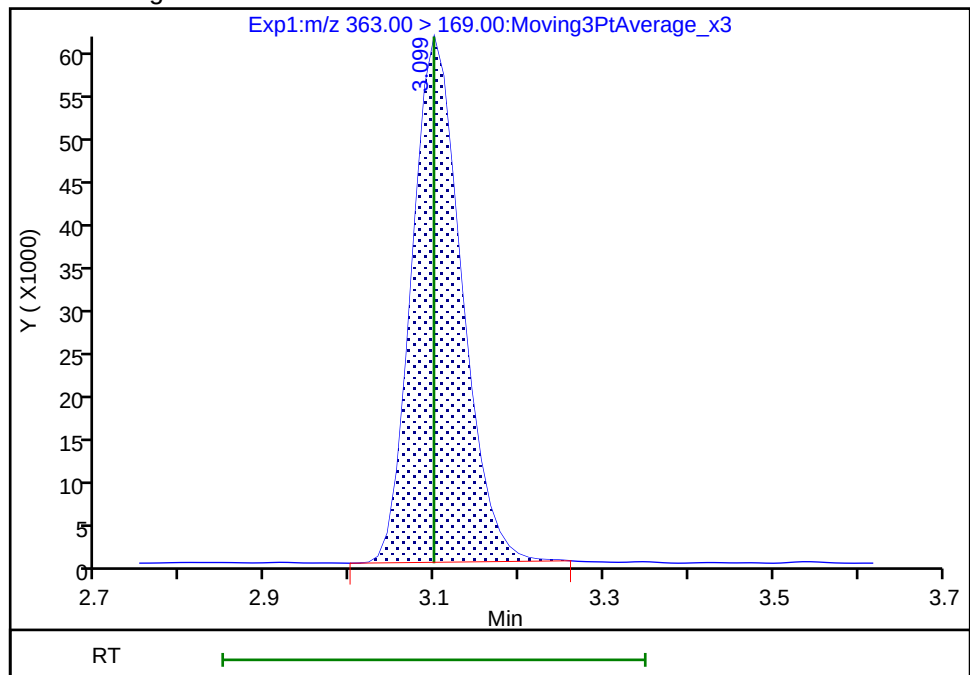
RT: 3.10
Area: 254758
Amount: 0.495820
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 251672
Amount: 0.535731
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:00:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

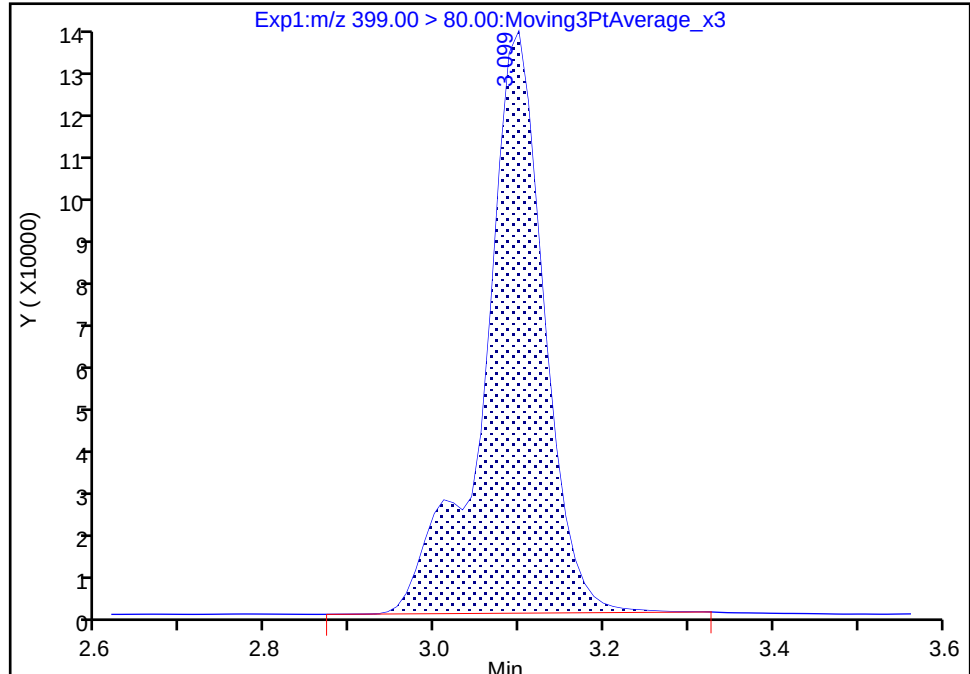
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

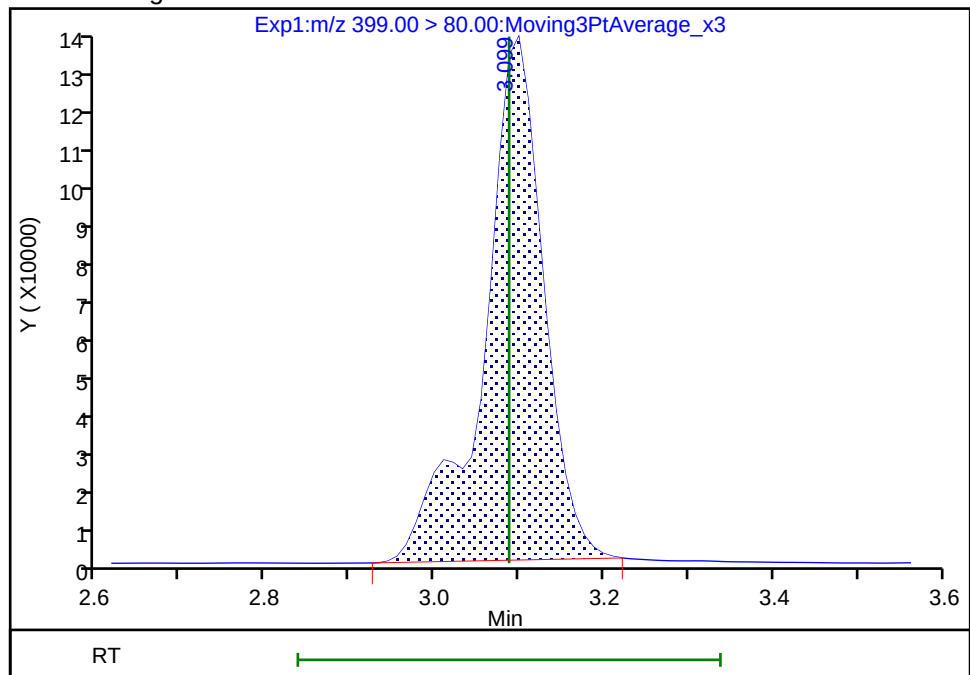
RT: 3.10
Area: 690915
Amount: 0.467335
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 680406
Amount: 0.483465
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:00:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

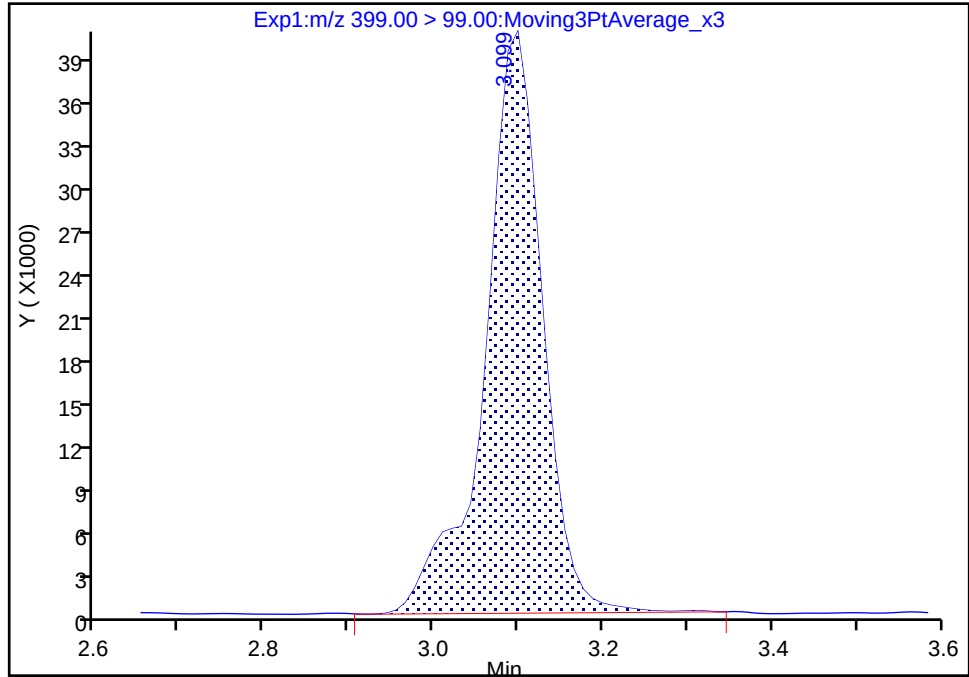
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

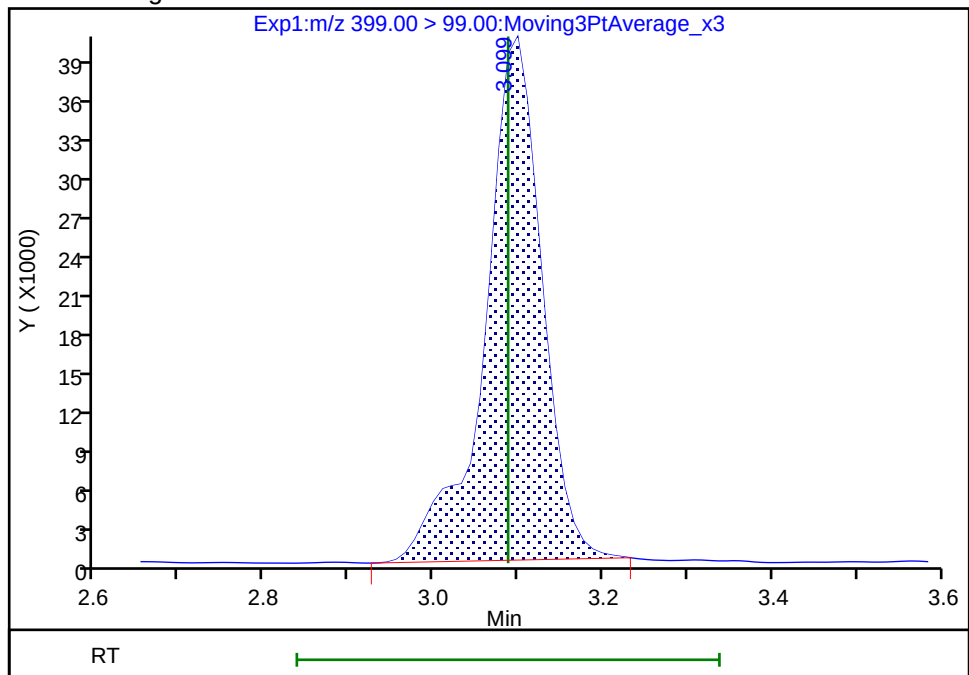
RT: 3.10
Area: 188640
Amount: 0.467335
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 185398
Amount: 0.483465
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:00:12

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

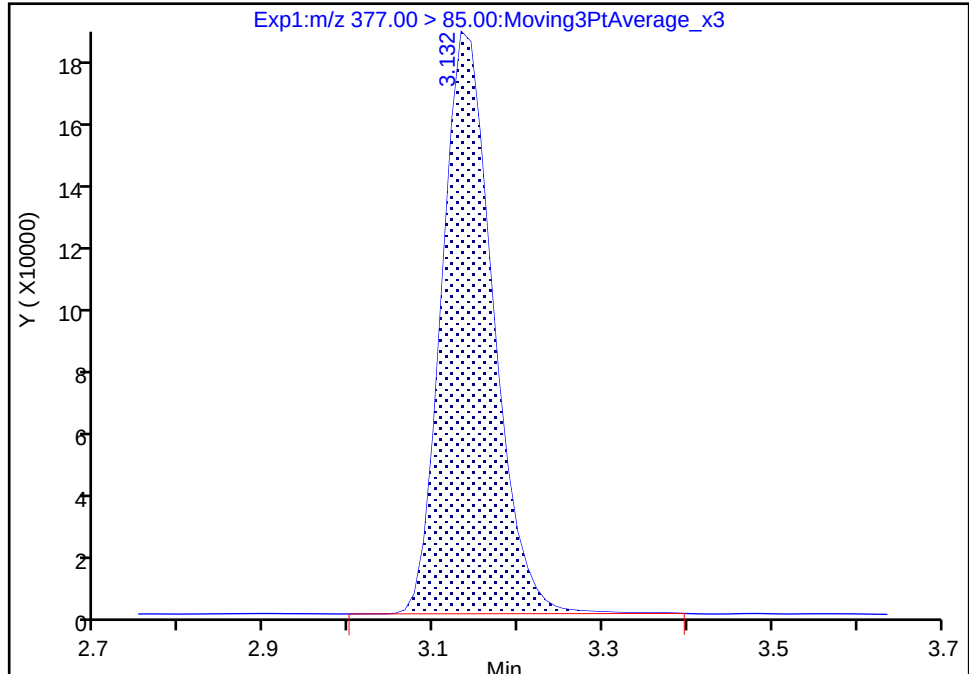
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

77 DONA, CAS: 919005-14-4

Signal: 2

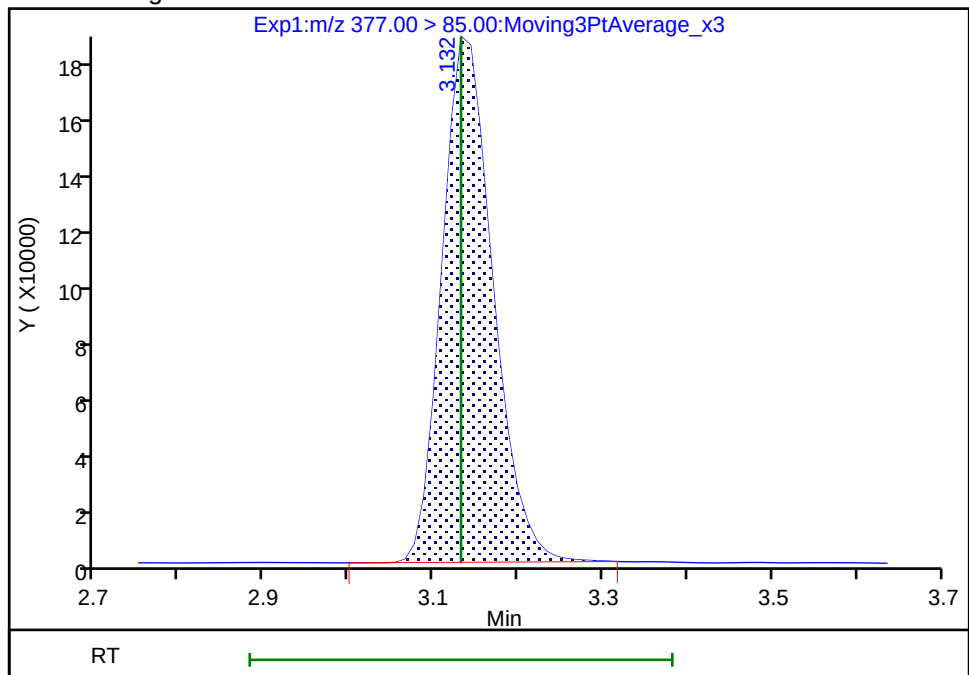
RT: 3.13
Area: 764336
Amount: 0.467942
Amount Units: ng/ml

Processing Integration Results



RT: 3.13
Area: 760123
Amount: 0.505022
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:00:27
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

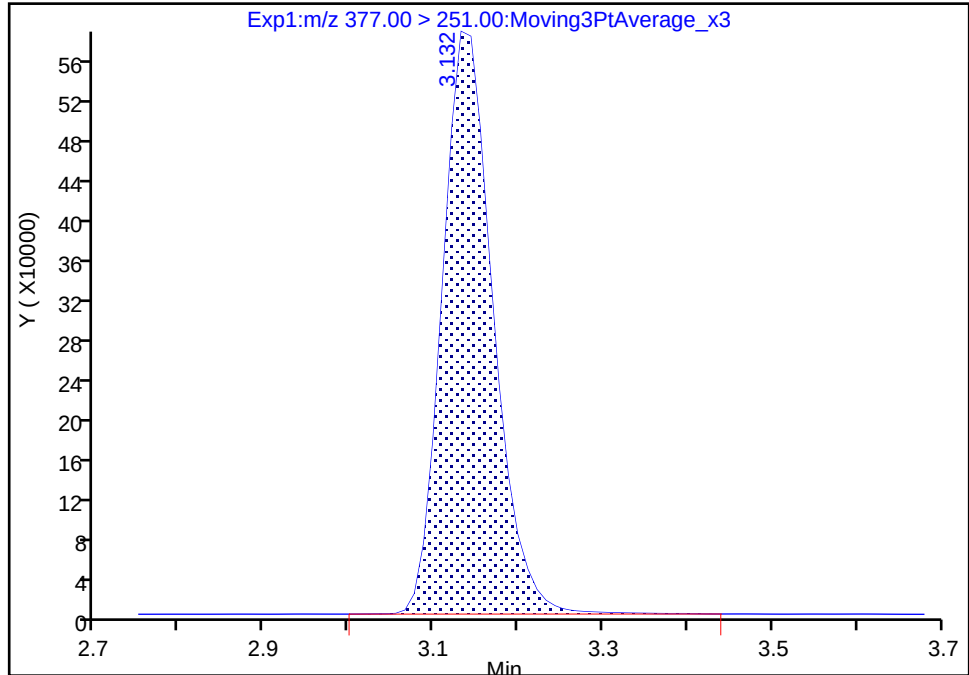
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

77 DONA, CAS: 919005-14-4

Signal: 1

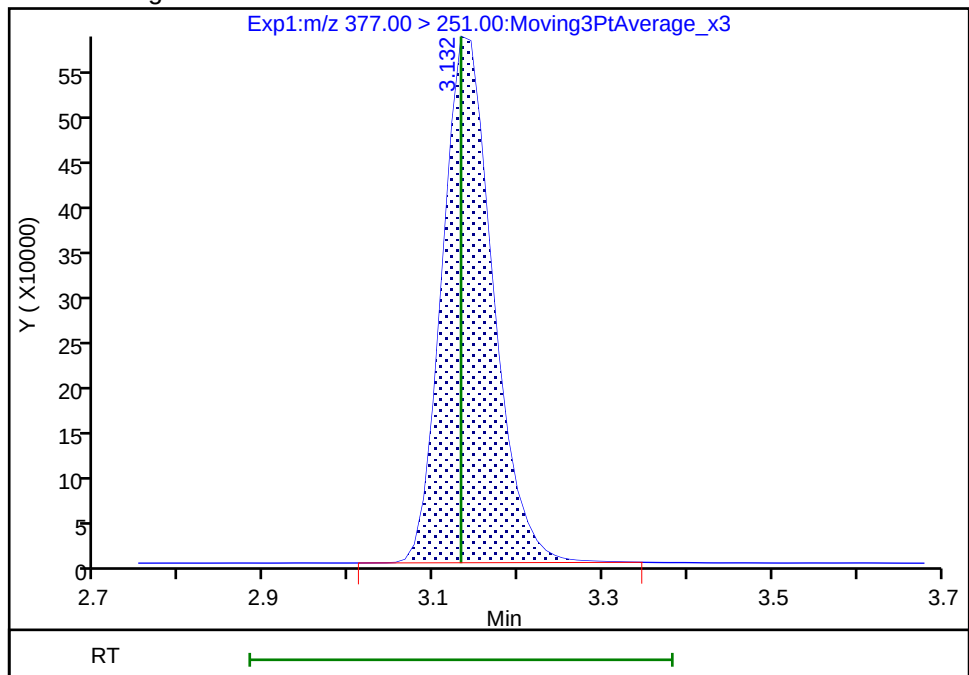
RT: 3.13
Area: 2417717
Amount: 0.467942
Amount Units: ng/ml

Processing Integration Results



RT: 3.13
Area: 2408962
Amount: 0.505022
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:00:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

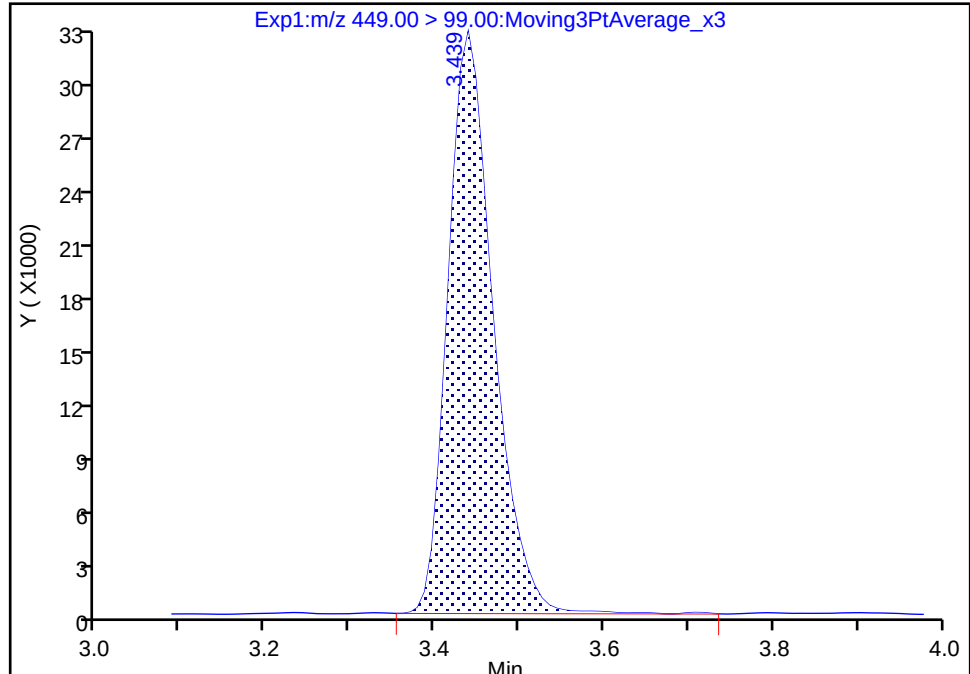
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

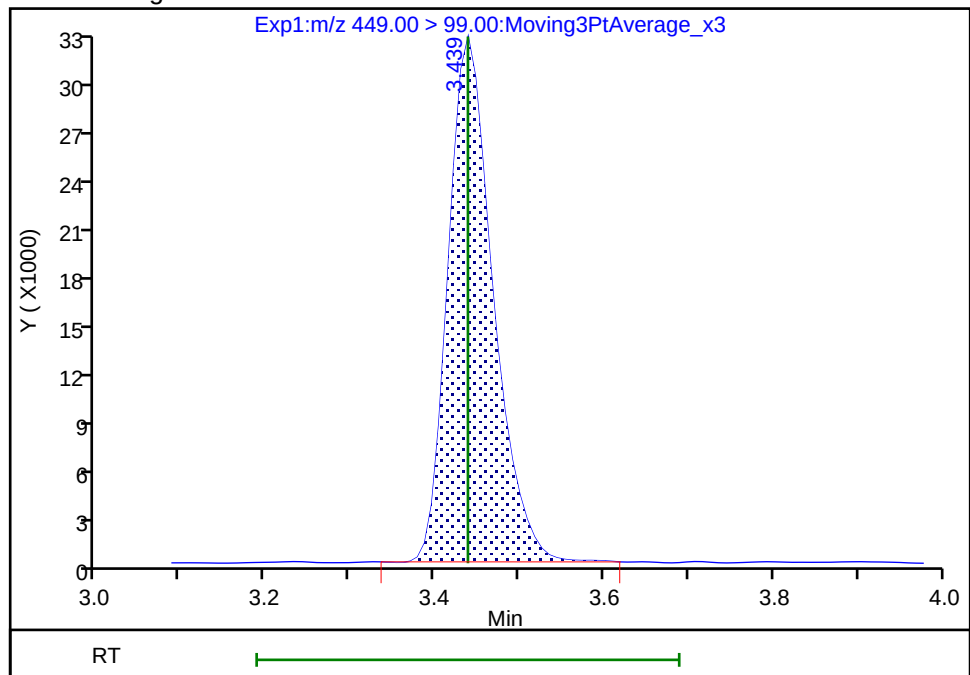
RT: 3.44
Area: 121485
Amount: 0.478403
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 120467
Amount: 0.509588
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:00:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

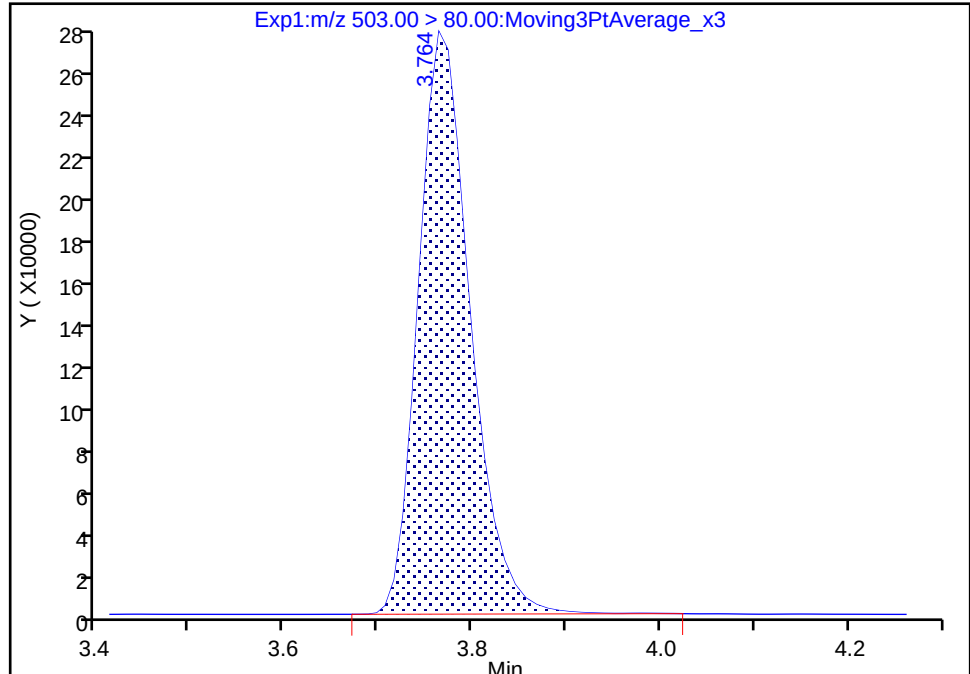
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 18 13C4 PFOS, CAS: STL00991

Signal: 1

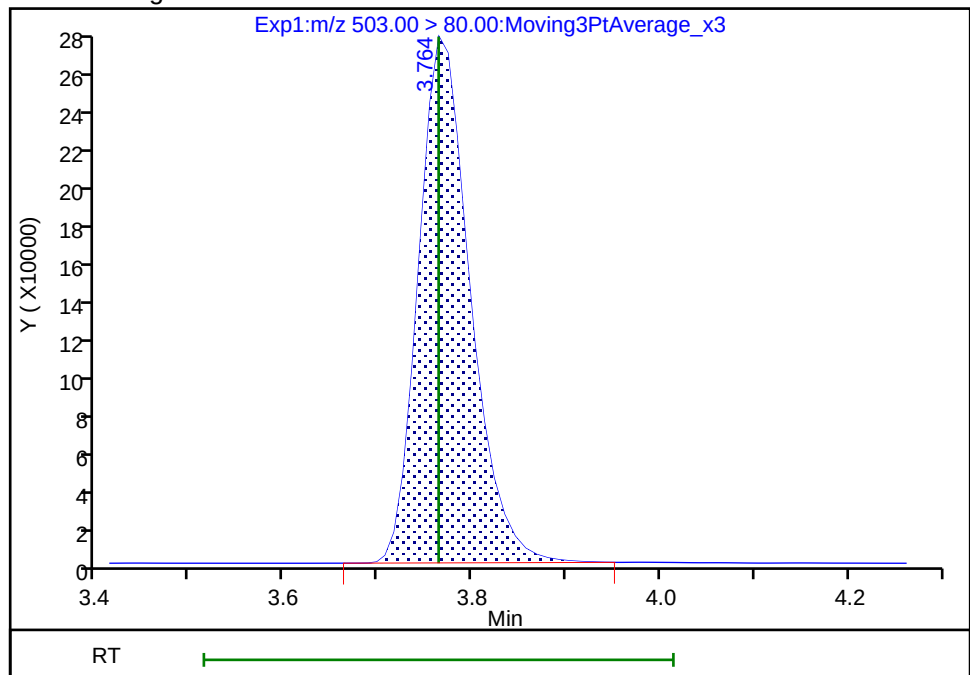
RT: 3.76
Area: 1037255
Amount: 1.197303
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 1035061
Amount: 1.178802
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:00:48
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

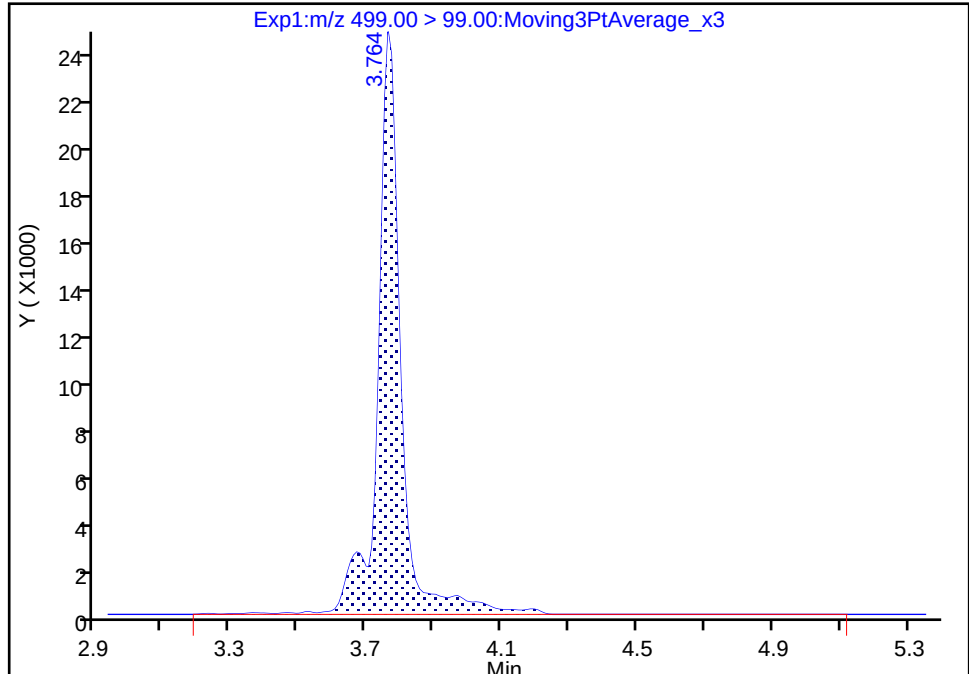
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

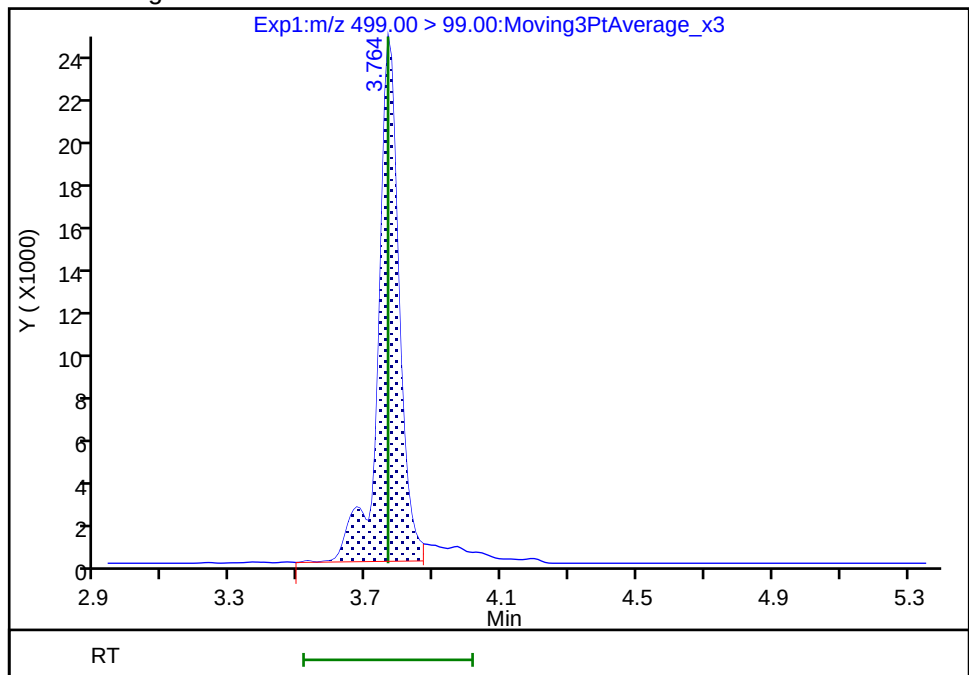
RT: 3.76
Area: 115041
Amount: 0.450182
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 103252
Amount: 0.447970
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:01:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

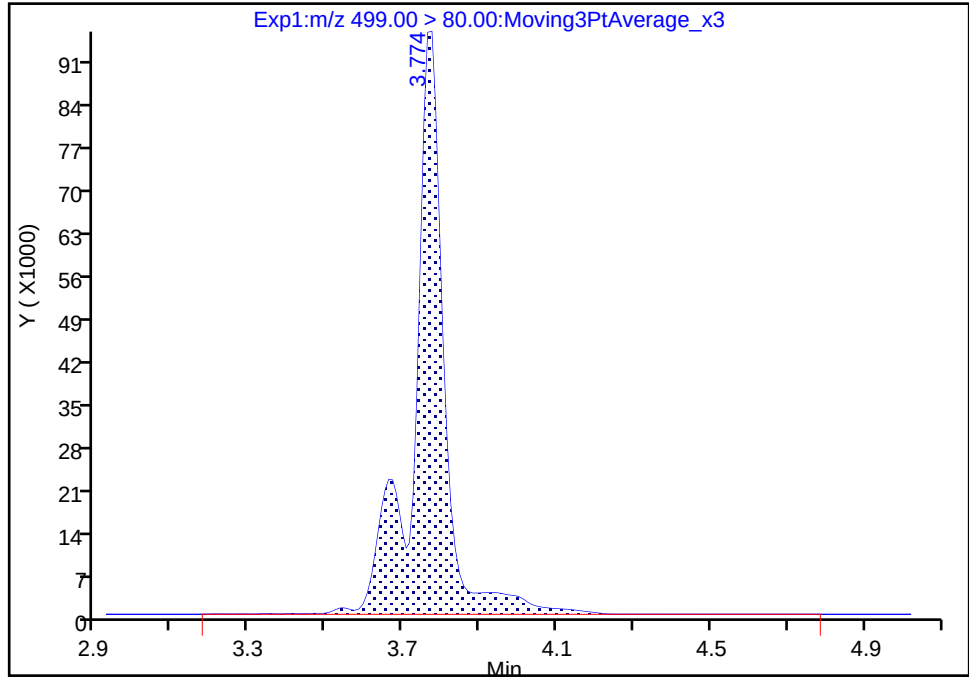
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

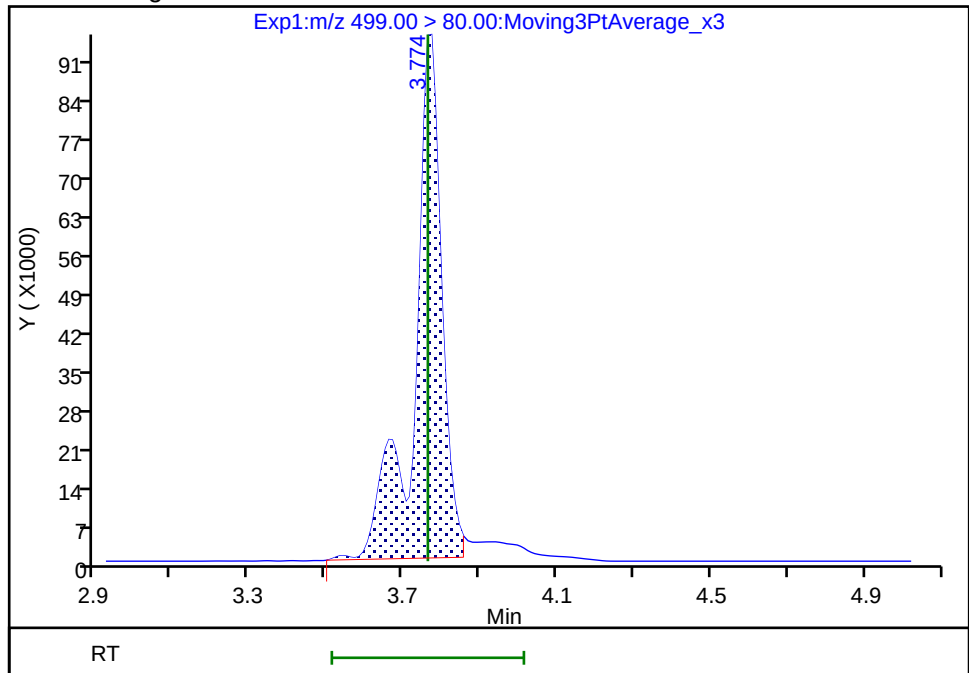
RT: 3.77
Area: 524529
Amount: 0.450182
Amount Units: ng/ml

Processing Integration Results



RT: 3.77
Area: 471879
Amount: 0.447970
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:01:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

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12/27/2022

2:52 PM

Eurofins Burlington

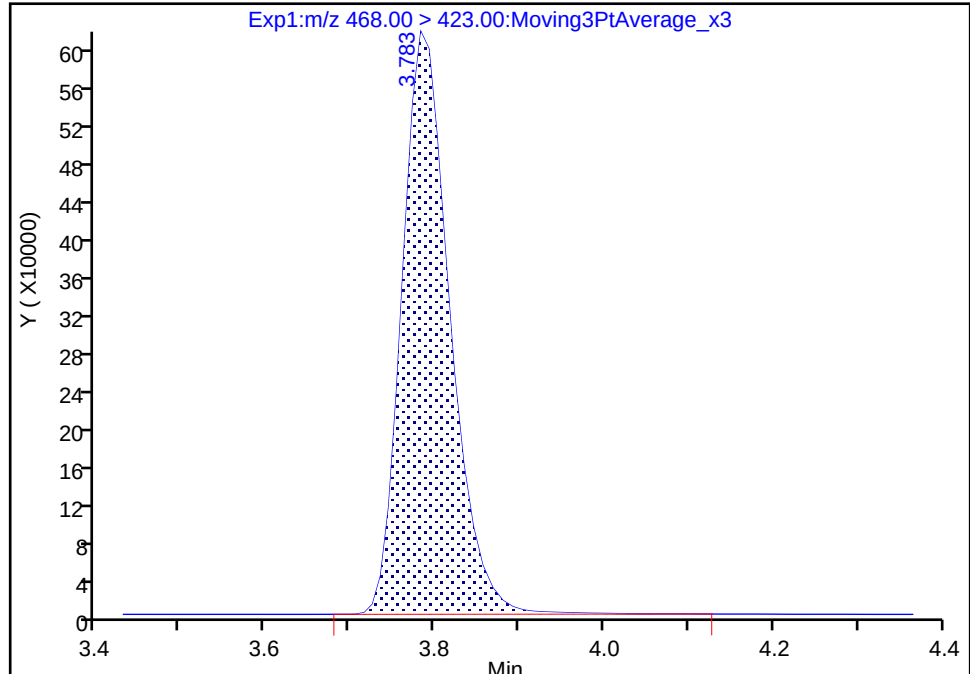
Data File:	\\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d		
Injection Date:	18-Nov-2022 14:46:15	Instrument ID:	LC812
Lims ID:	IC		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column: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

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

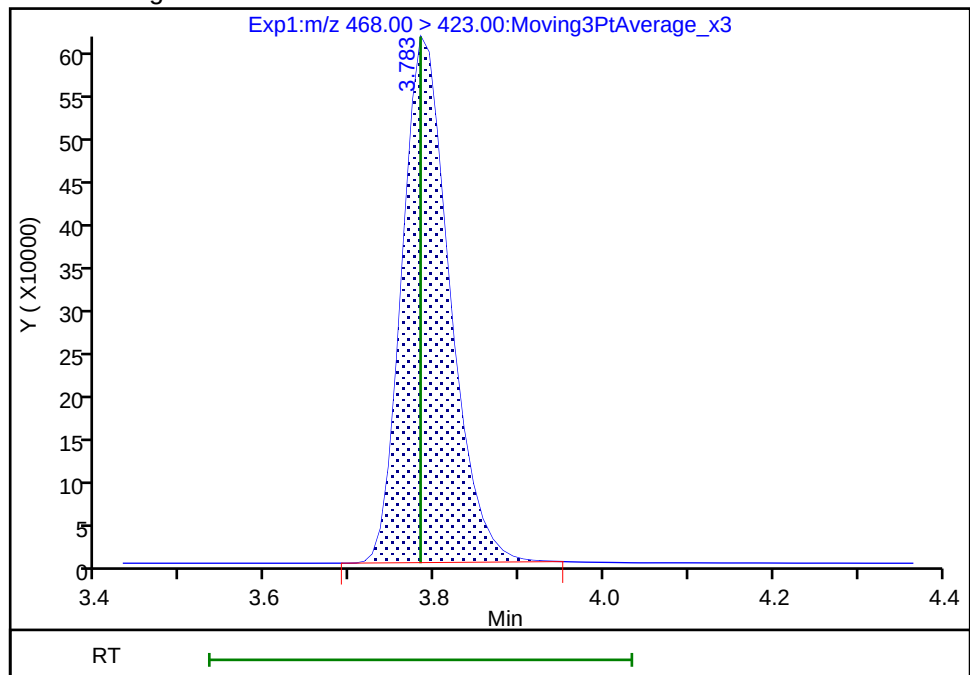
RT: 3.78
Area: 2398141
Amount: 1.248889
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 2379680
Amount: 1.236174
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:01:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

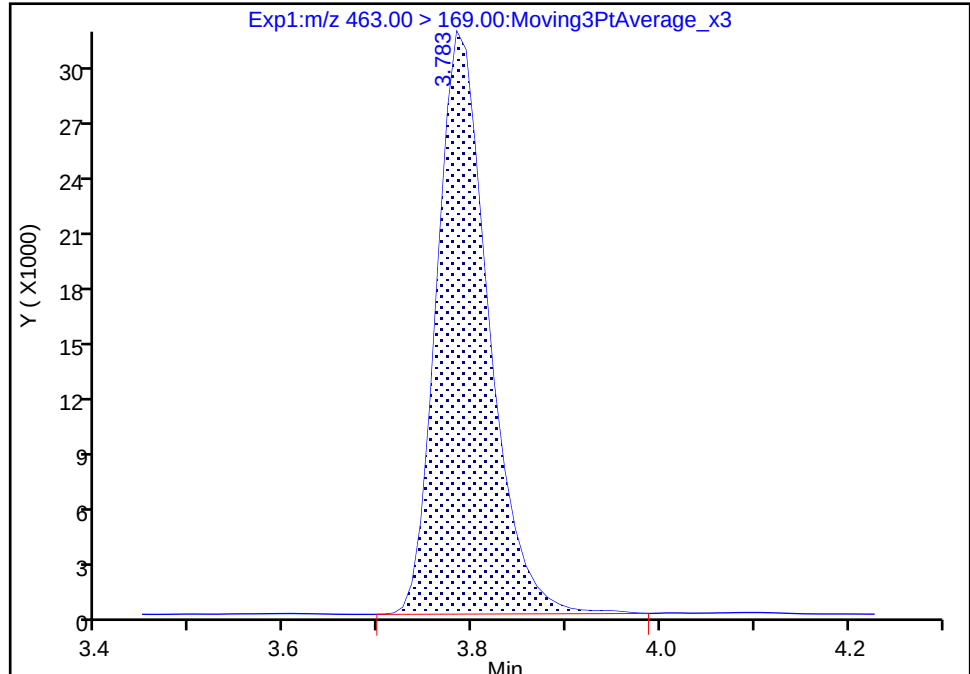
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

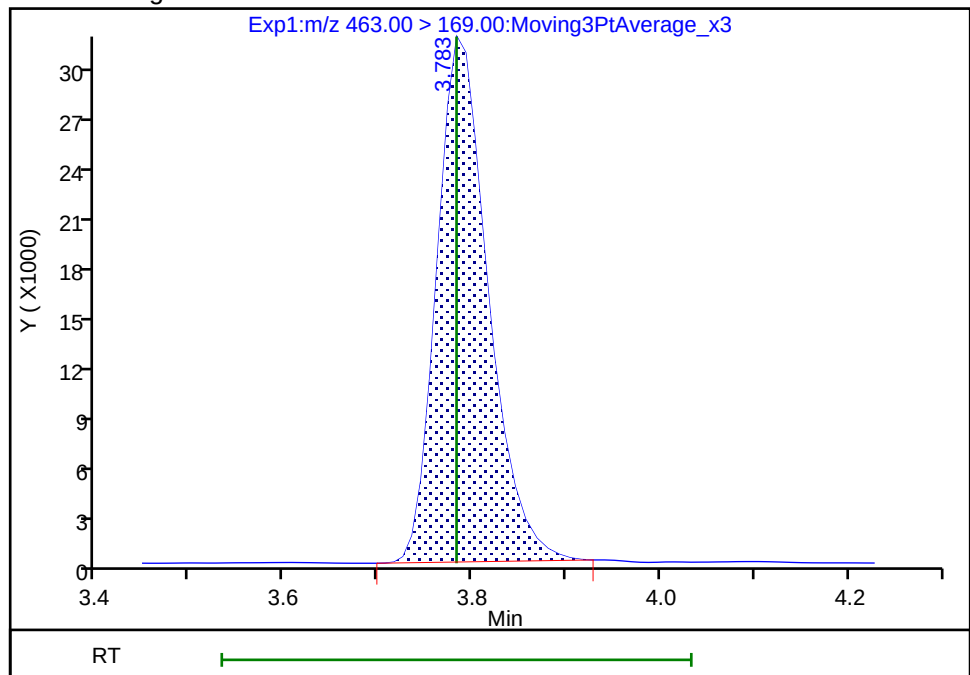
RT: 3.78
Area: 120127
Amount: 0.507644
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 118713
Amount: 0.531934
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:01:20
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

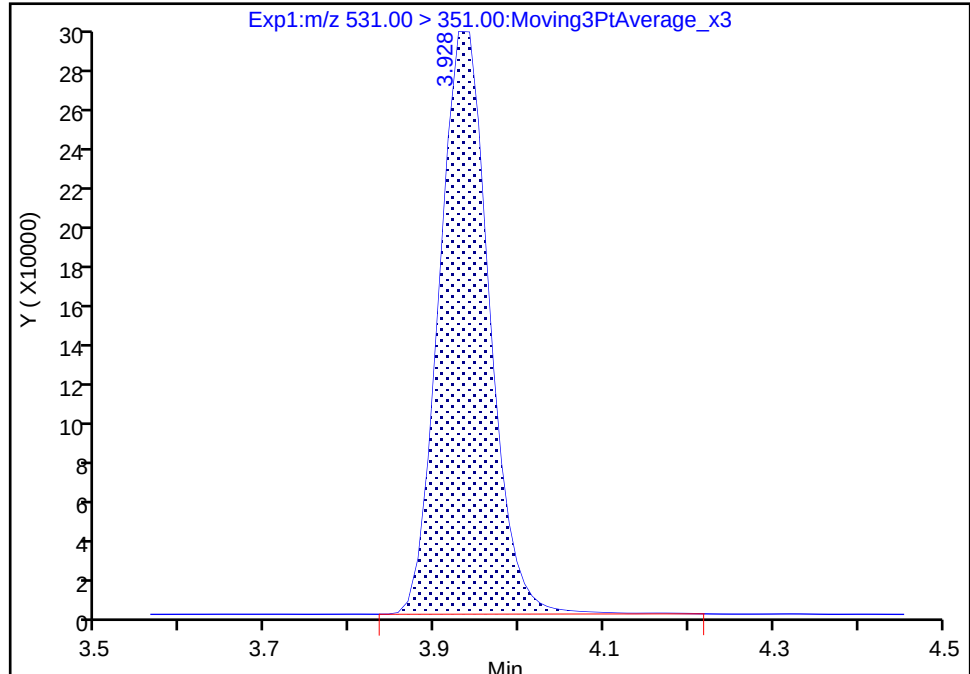
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

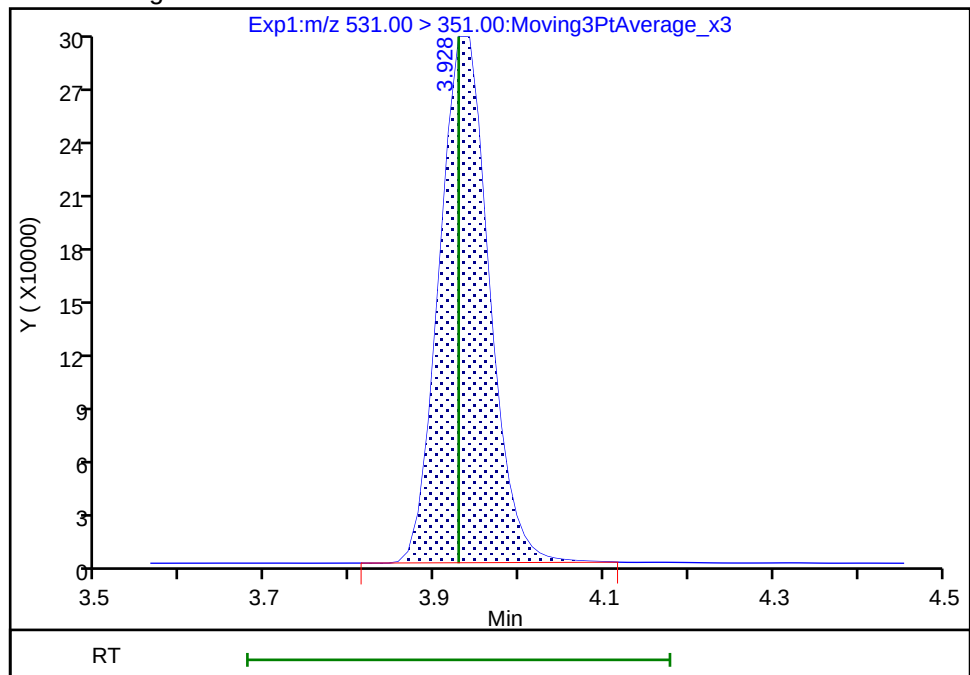
RT: 3.93
Area: 1196218
Amount: 0.468080
Amount Units: ng/ml

Processing Integration Results



RT: 3.93
Area: 1190983
Amount: 0.492631
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:01:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

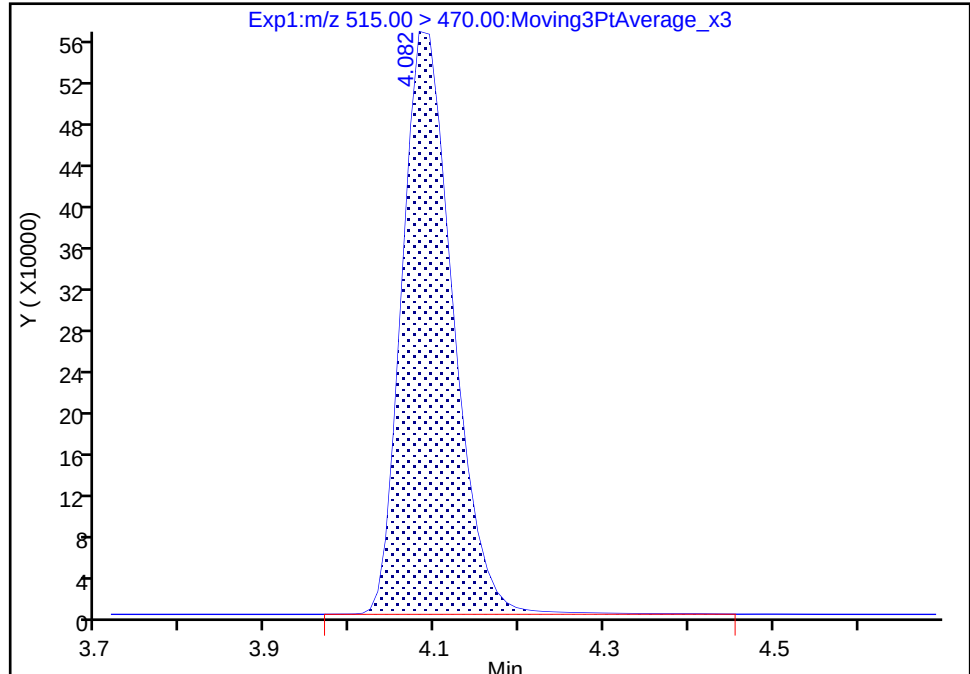
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

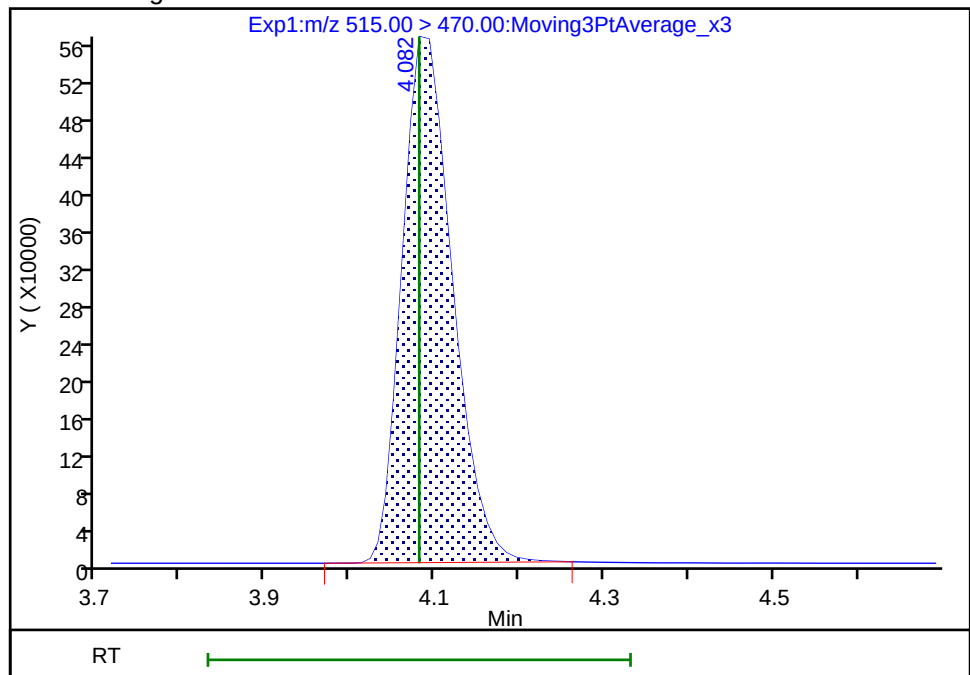
RT: 4.08
Area: 2353187
Amount: 1.223652
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 2334094
Amount: 1.189856
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:01:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

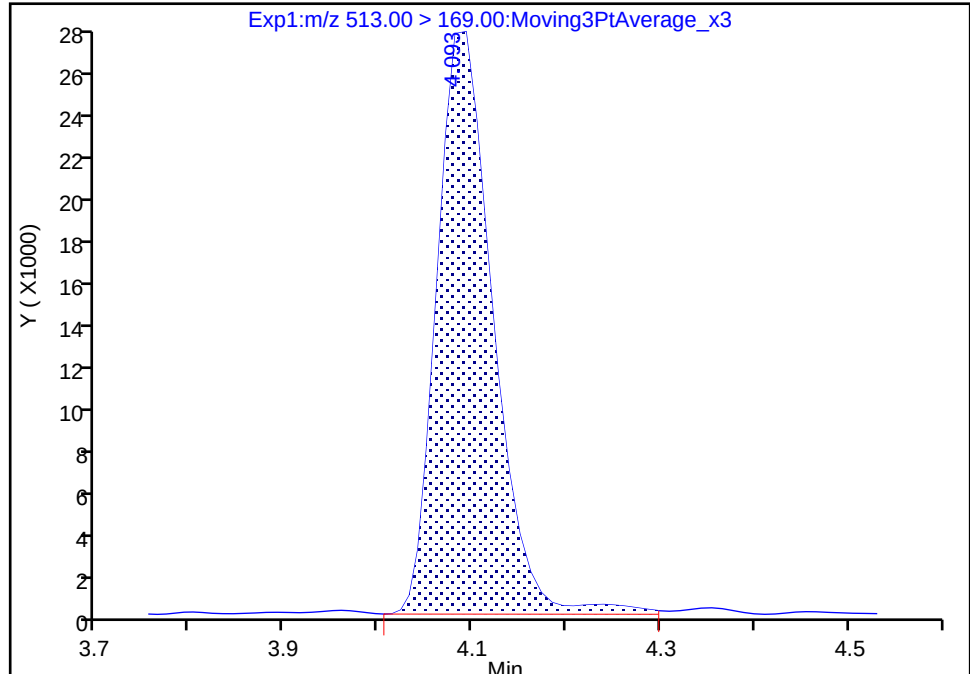
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

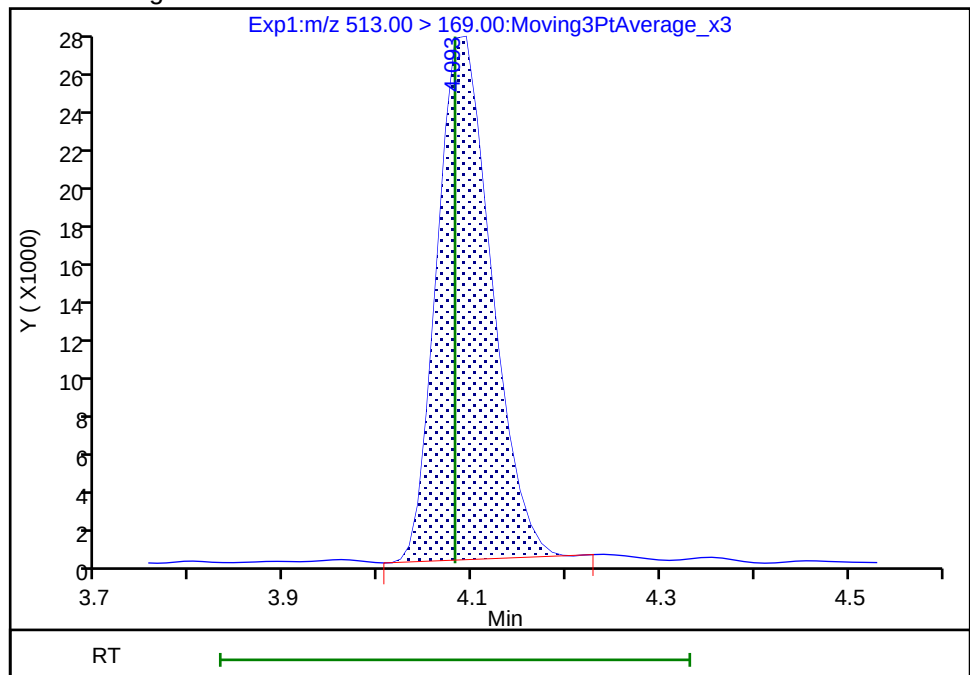
RT: 4.09
Area: 112536
Amount: 0.535825
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 108172
Amount: 0.585009
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:01:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

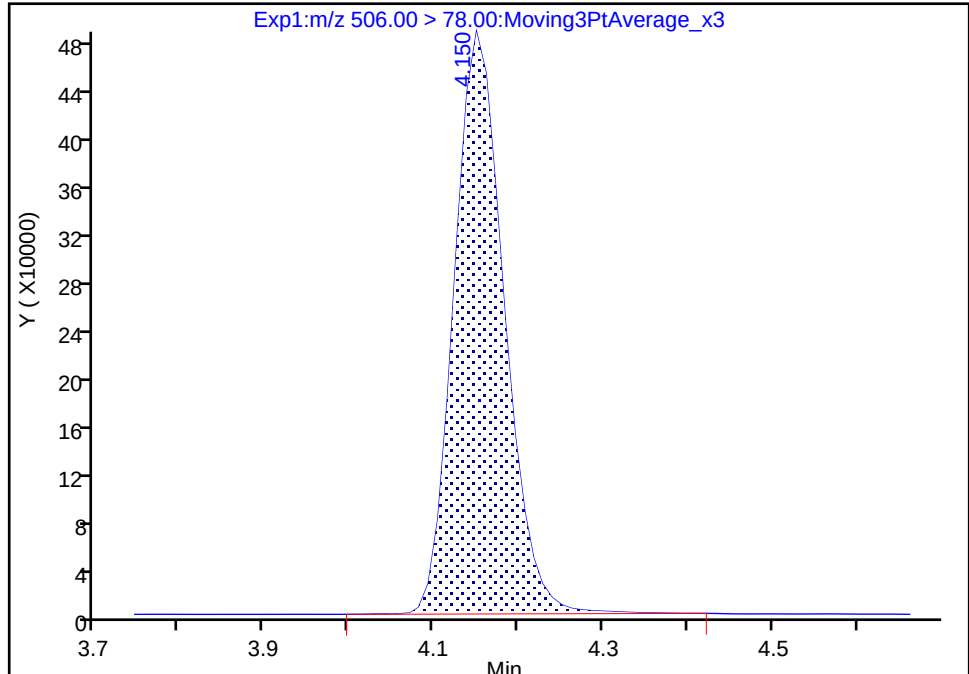
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

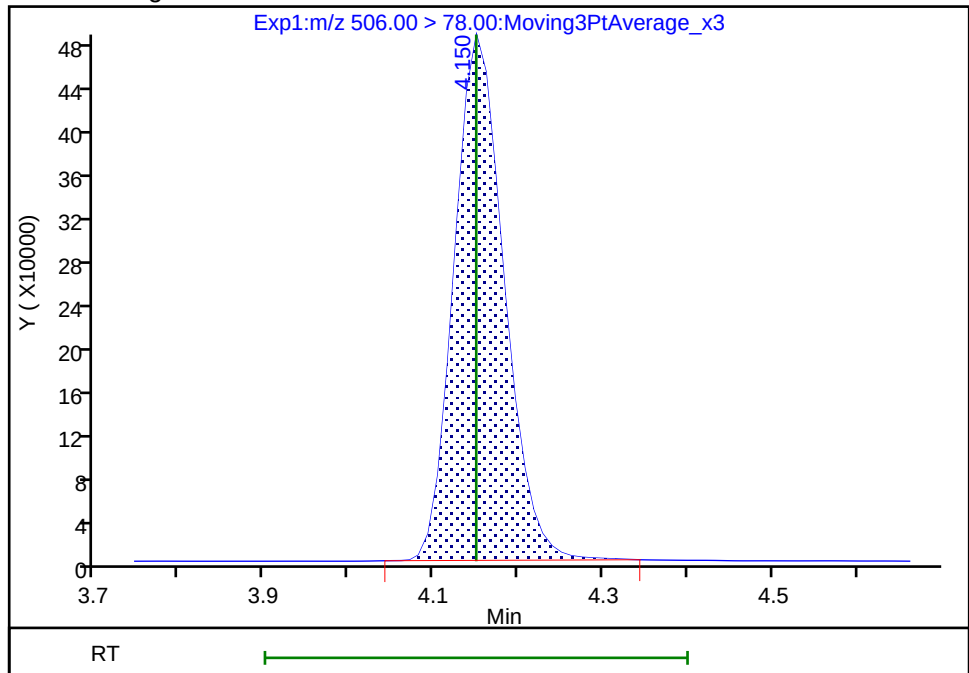
RT: 4.15
Area: 1977863
Amount: 1.249599
Amount Units: ng/ml

Processing Integration Results



RT: 4.15
Area: 1967036
Amount: 1.223096
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:01:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

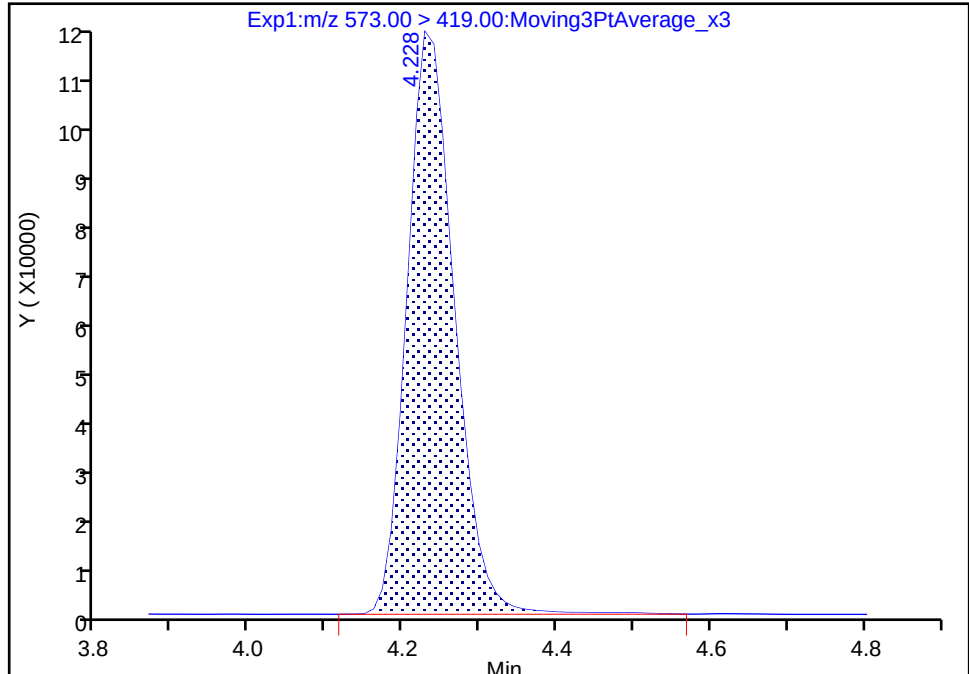
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

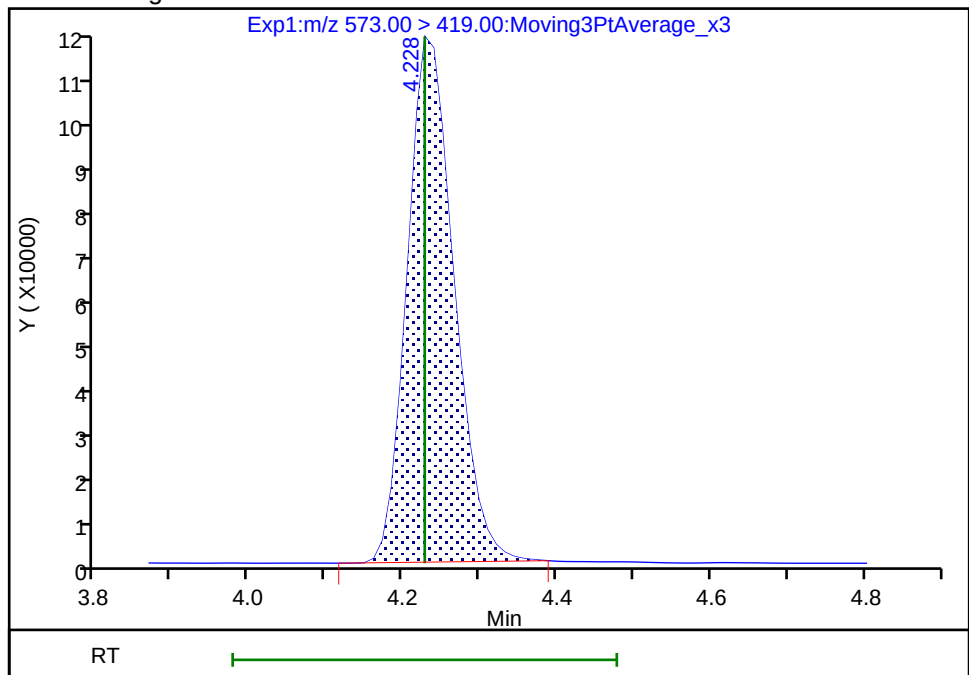
RT: 4.23
Area: 472648
Amount: 1.220892
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 466044
Amount: 1.166822
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:01:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

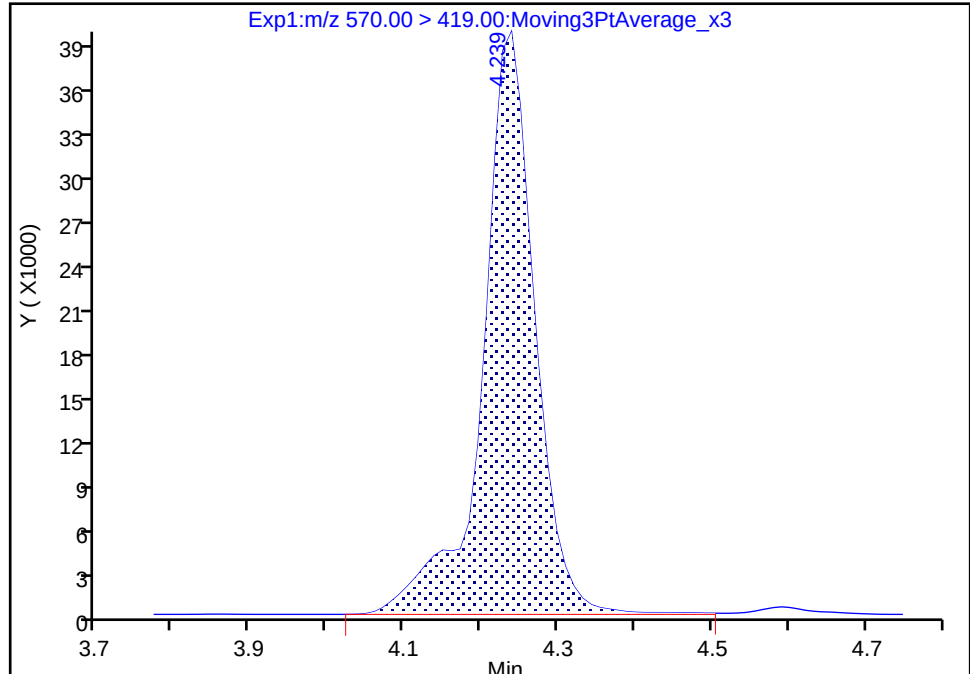
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

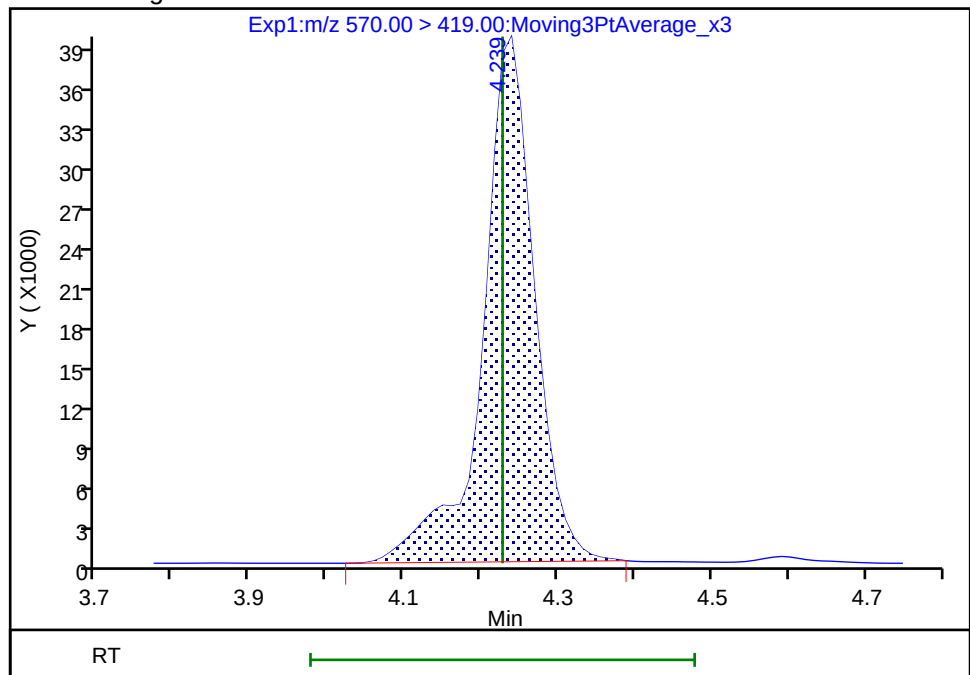
RT: 4.24
Area: 186349
Amount: 0.510442
Amount Units: ng/ml

Processing Integration Results



RT: 4.24
Area: 183478
Amount: 0.560438
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:02:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

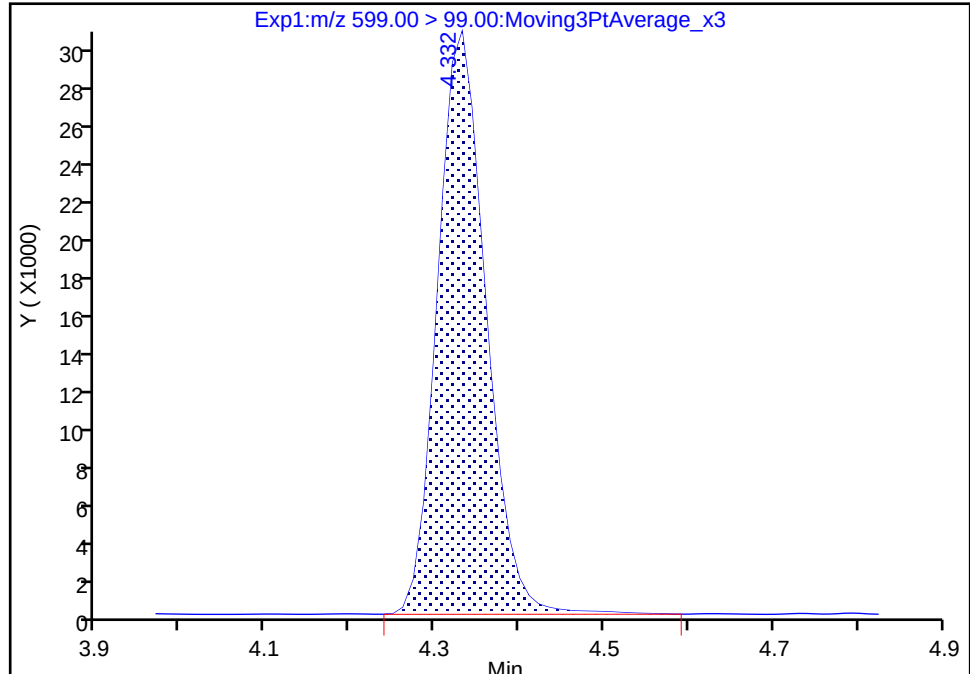
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

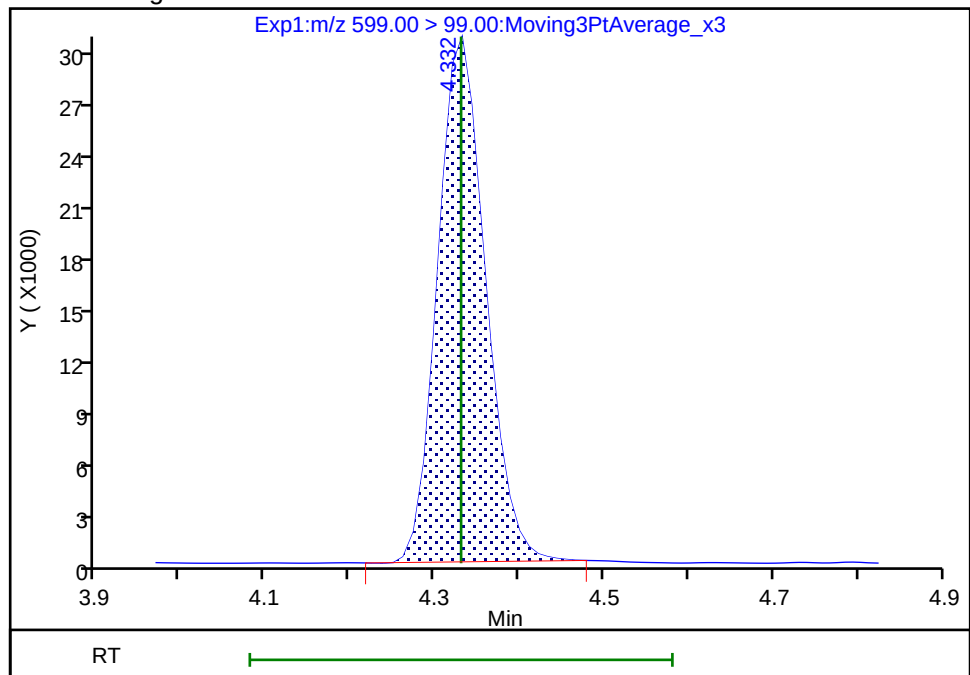
RT: 4.33
Area: 122520
Amount: 0.495943
Amount Units: ng/ml

Processing Integration Results



RT: 4.33
Area: 120718
Amount: 0.518321
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:02:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

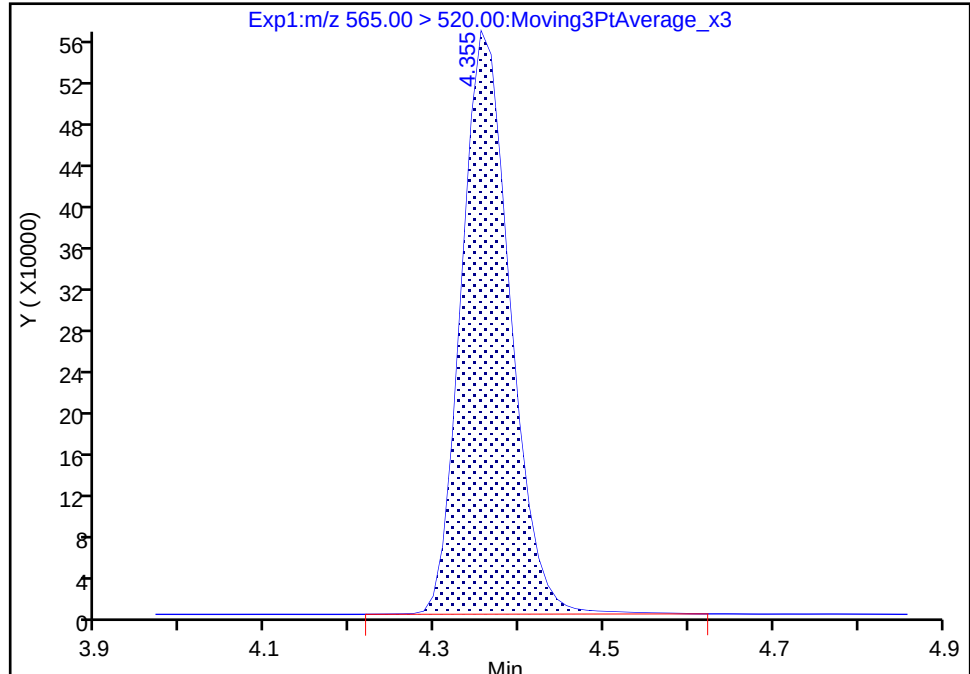
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

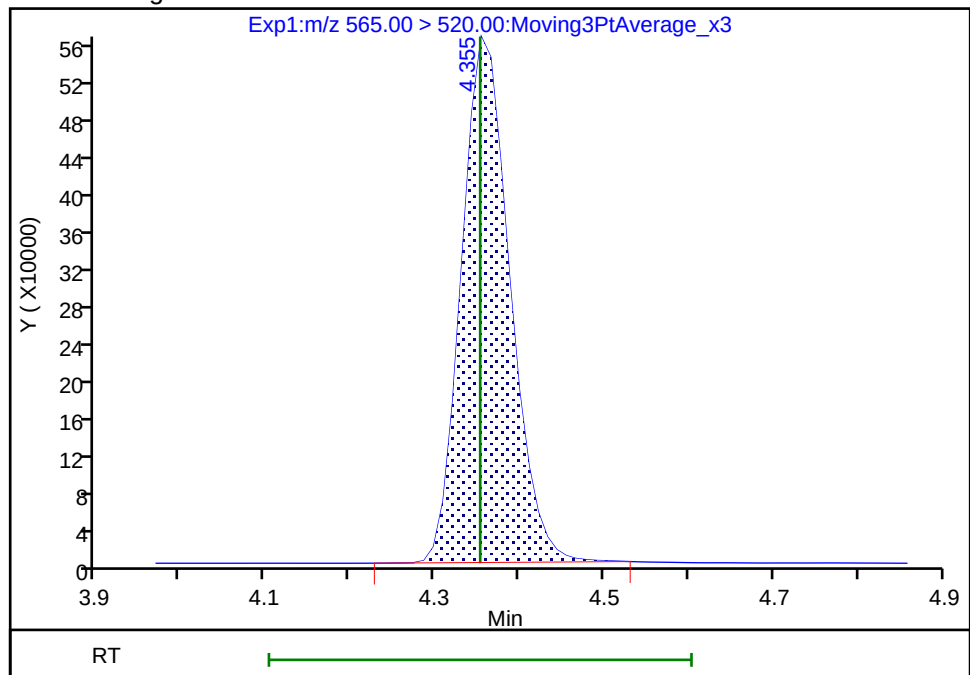
RT: 4.35
Area: 2246233
Amount: 1.255521
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 2230172
Amount: 1.241544
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:02:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

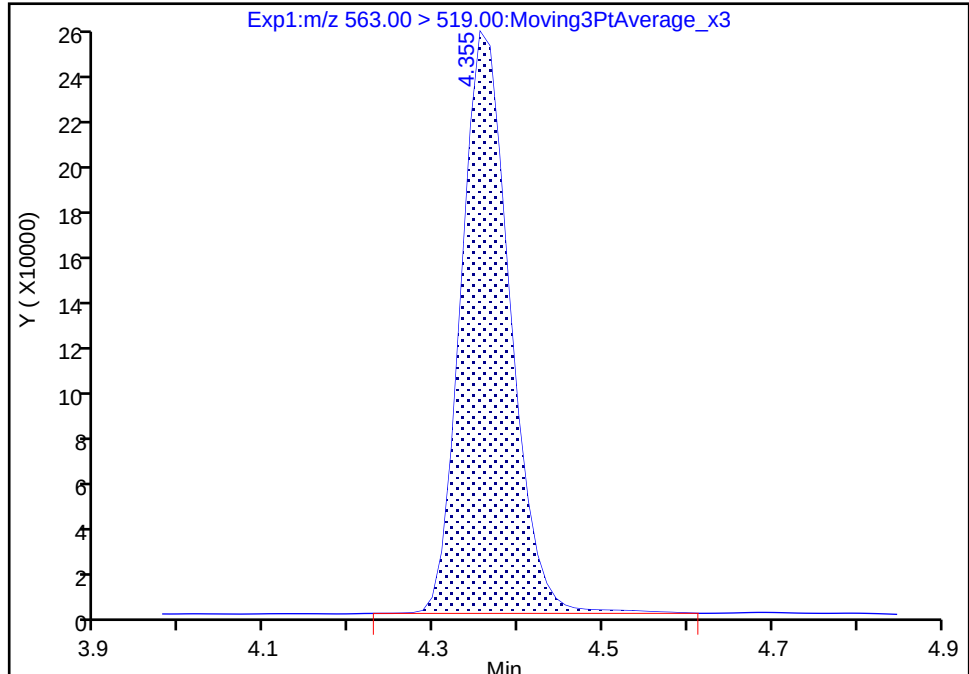
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

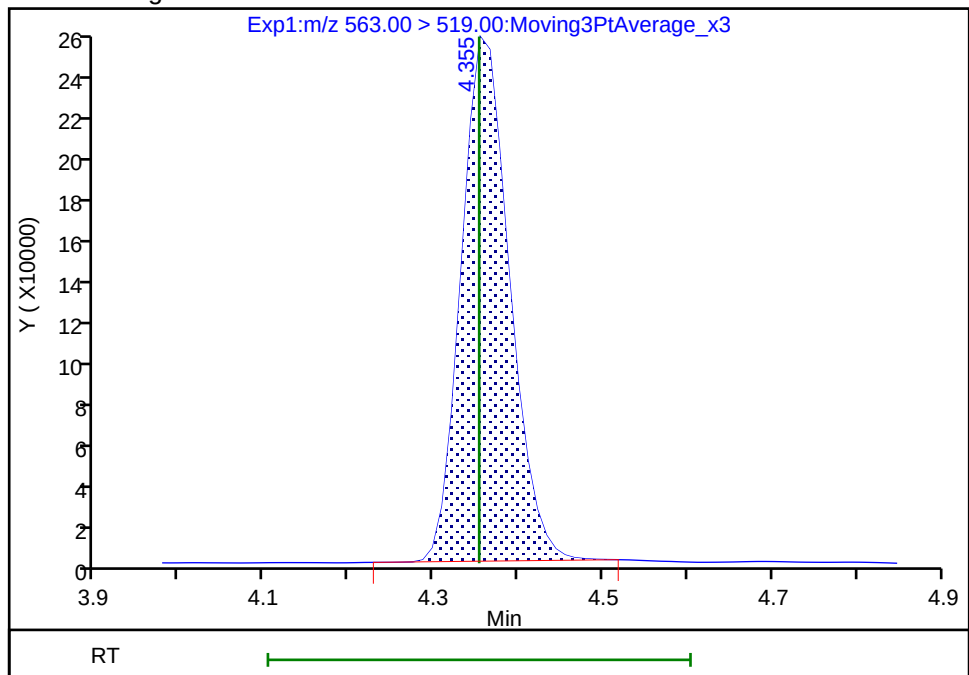
RT: 4.35
Area: 1019546
Amount: 0.528294
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 1004863
Amount: 0.558860
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:02:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

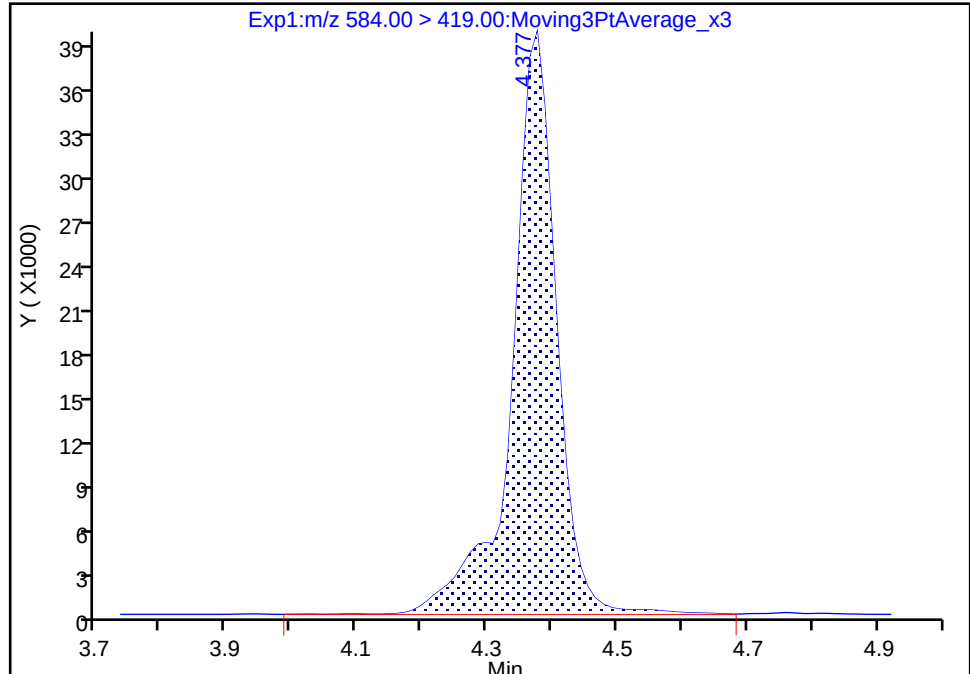
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

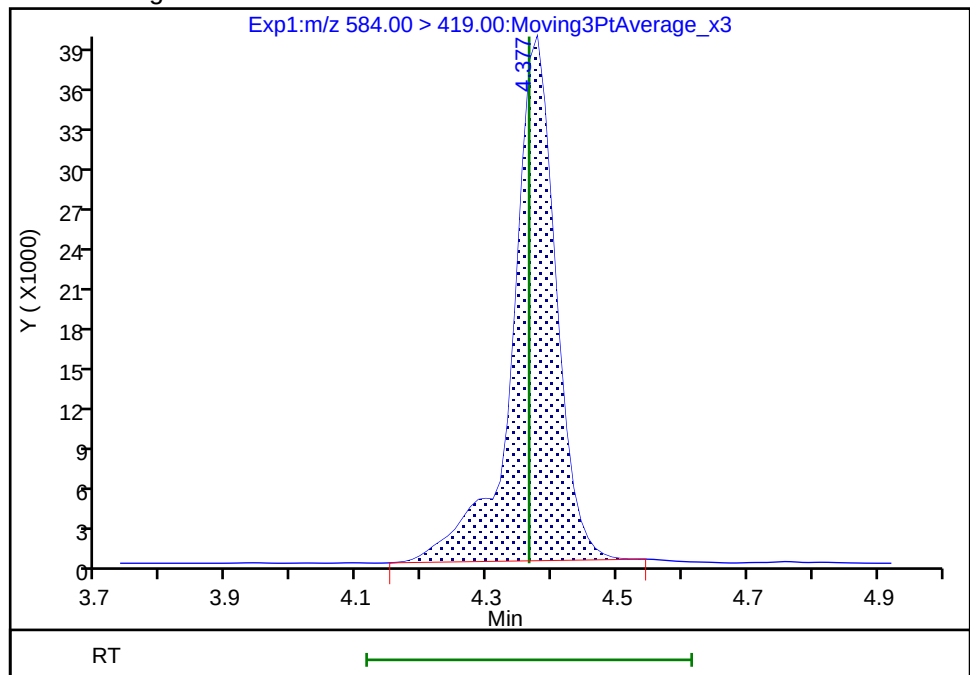
RT: 4.38
Area: 187455
Amount: 0.493834
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 182262
Amount: 0.510836
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:02:27
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

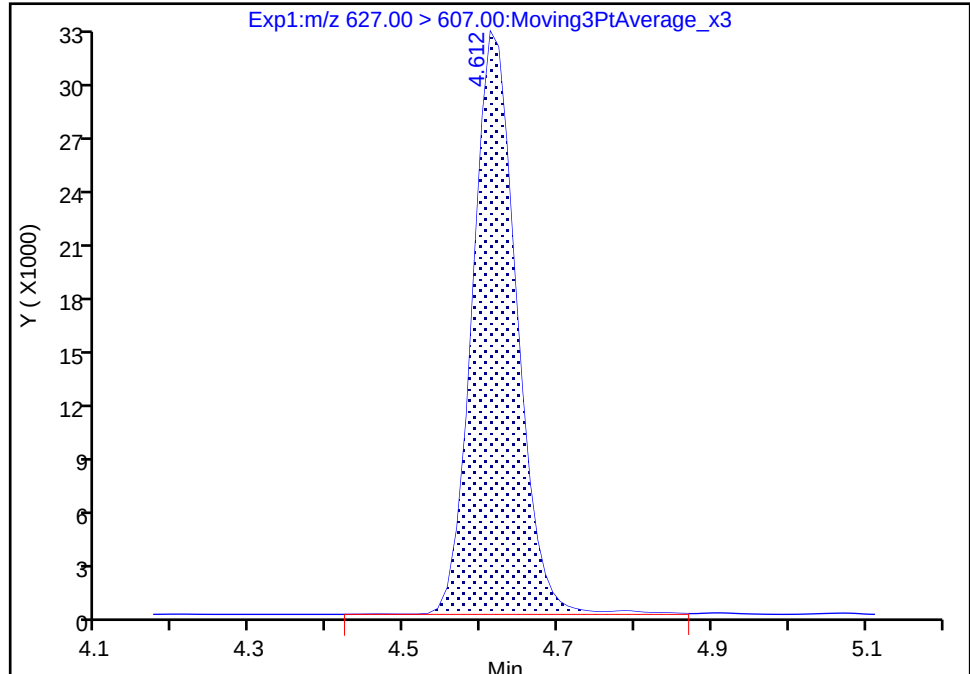
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

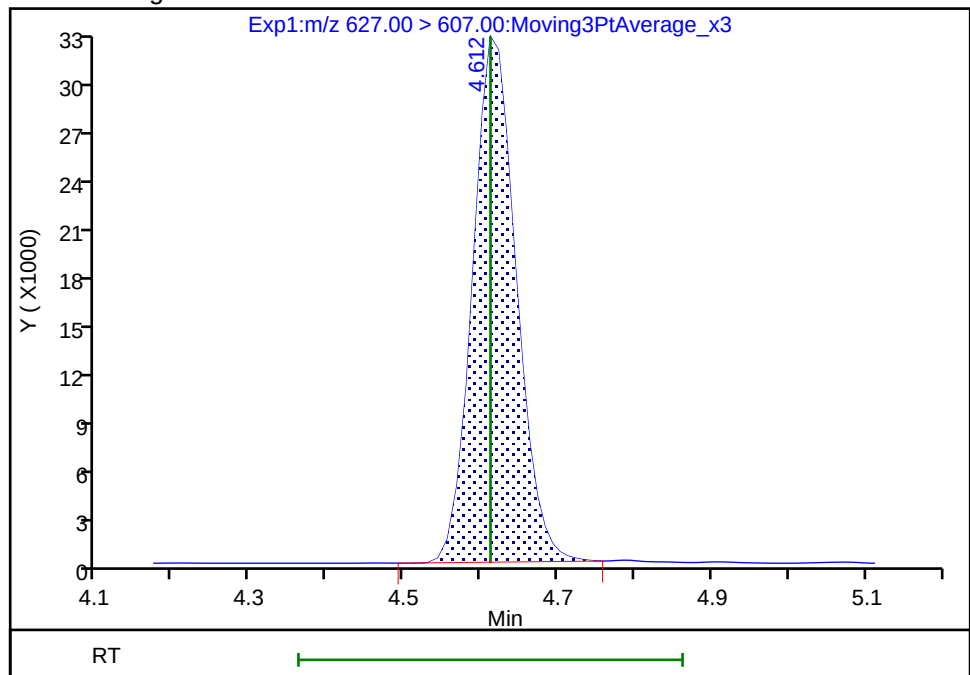
RT: 4.61
Area: 127475
Amount: 0.468658
Amount Units: ng/ml

Processing Integration Results



RT: 4.61
Area: 125547
Amount: 0.481934
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:02:36
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

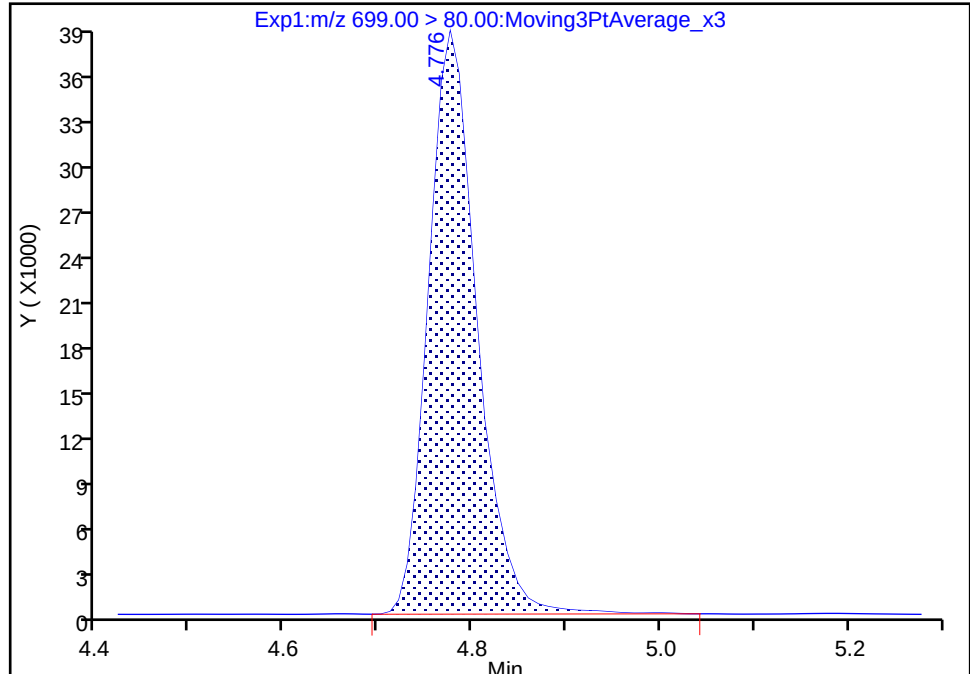
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

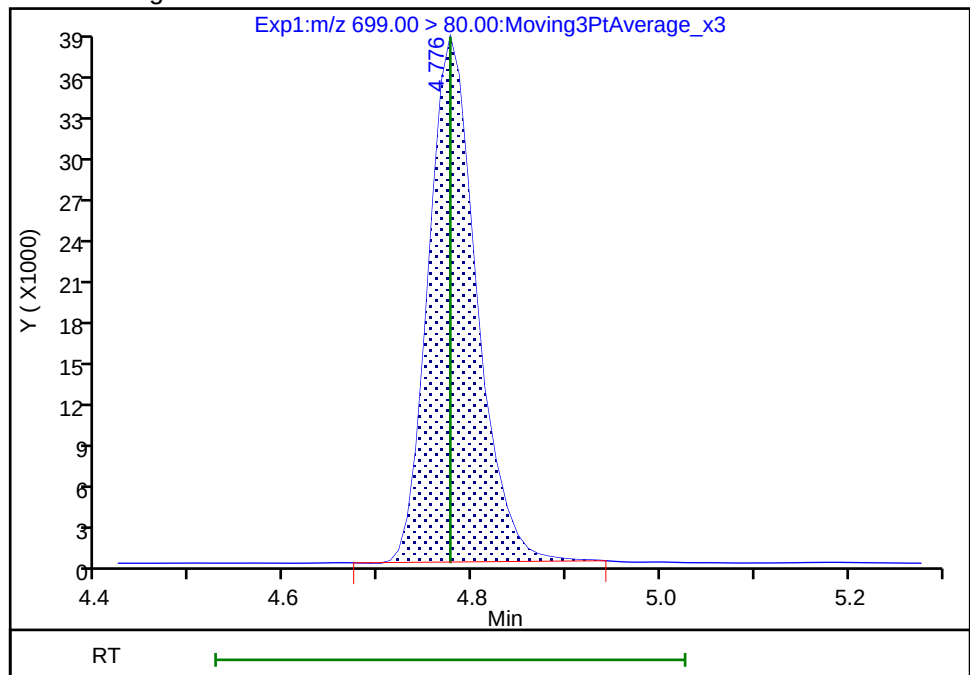
RT: 4.78
Area: 137382
Amount: 0.488107
Amount Units: ng/ml

Processing Integration Results



RT: 4.78
Area: 135657
Amount: 0.510739
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:02:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

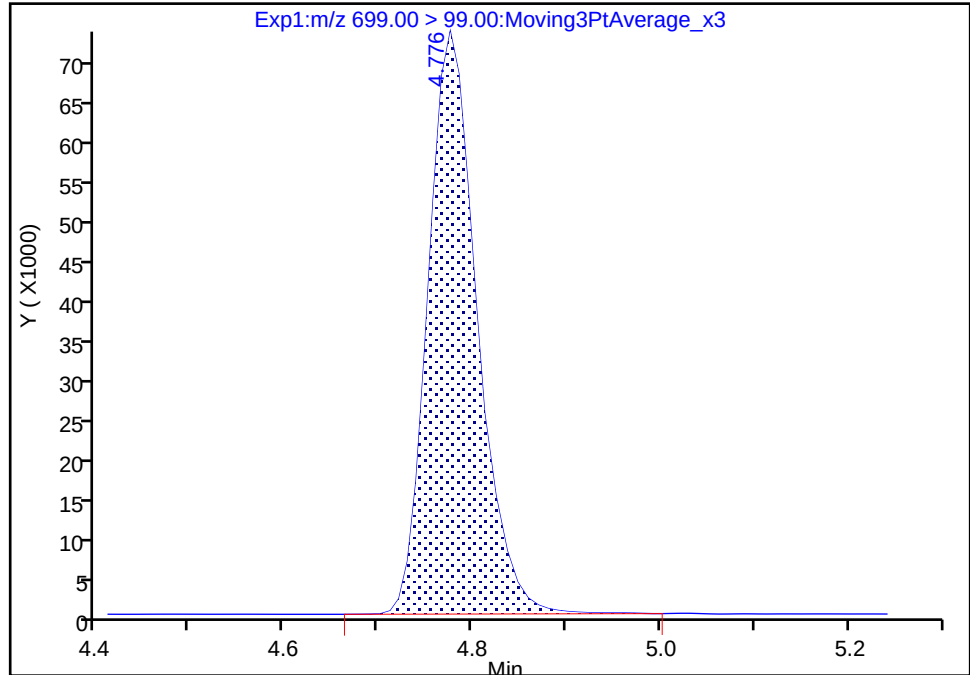
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 2

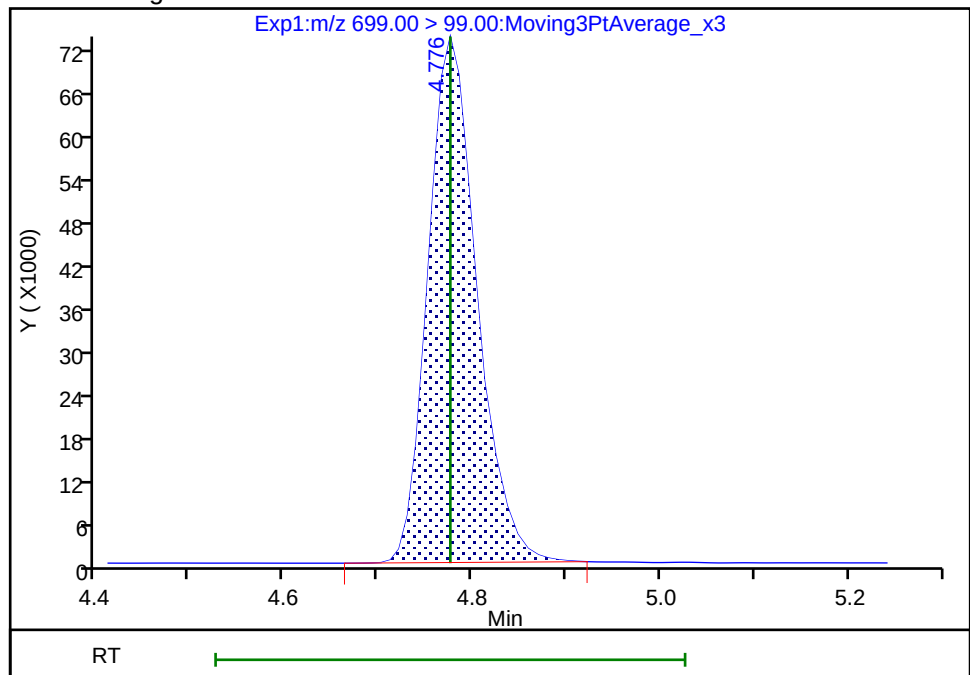
RT: 4.78
Area: 265617
Amount: 0.488107
Amount Units: ng/ml

Processing Integration Results



RT: 4.78
Area: 264160
Amount: 0.510739
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:02:45

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

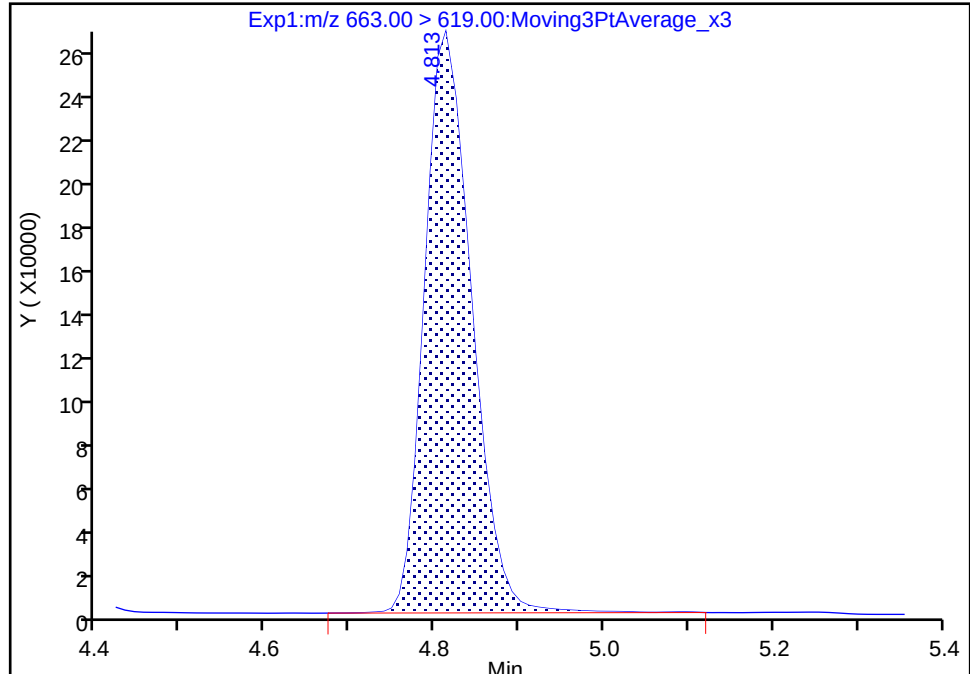
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

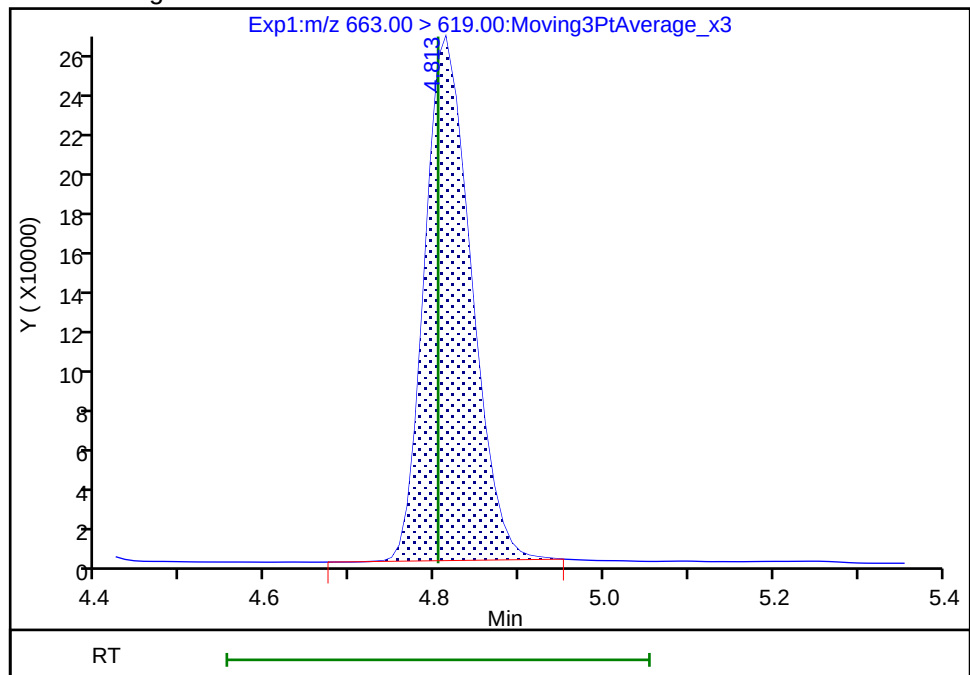
RT: 4.81
Area: 1002946
Amount: 0.507432
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:02:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

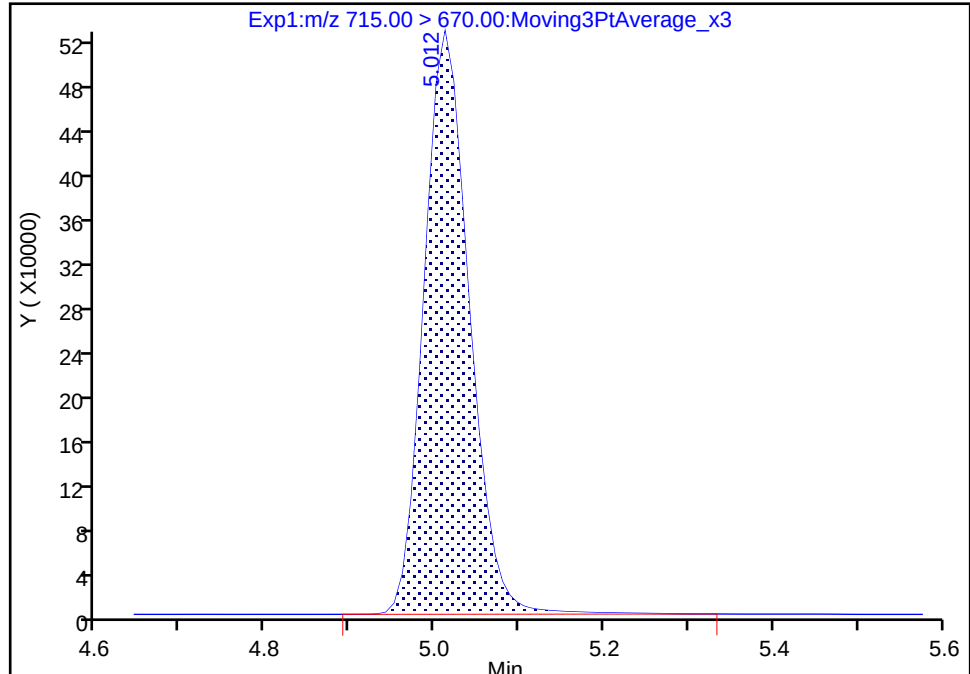
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

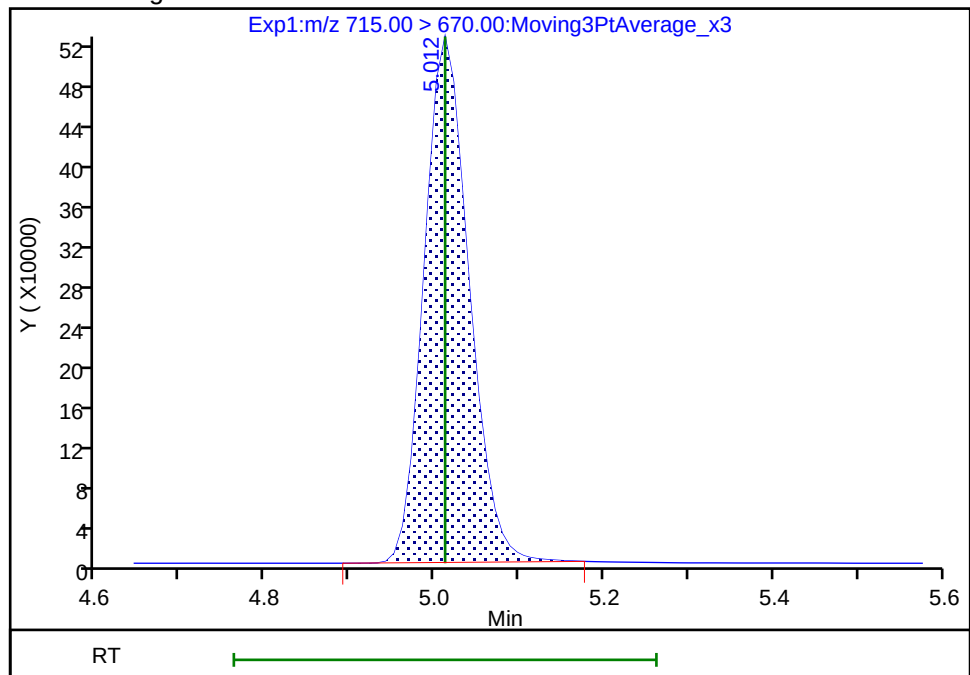
RT: 5.01
Area: 1966556
Amount: 1.245759
Amount Units: ng/ml

Processing Integration Results



RT: 5.01
Area: 1947280
Amount: 1.230207
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:02:58
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

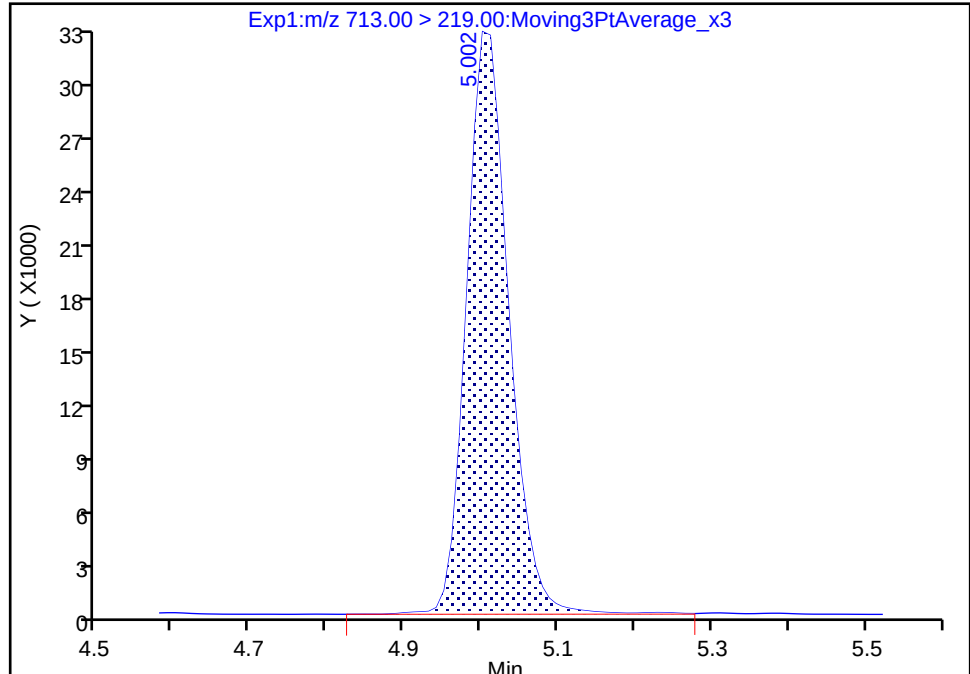
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

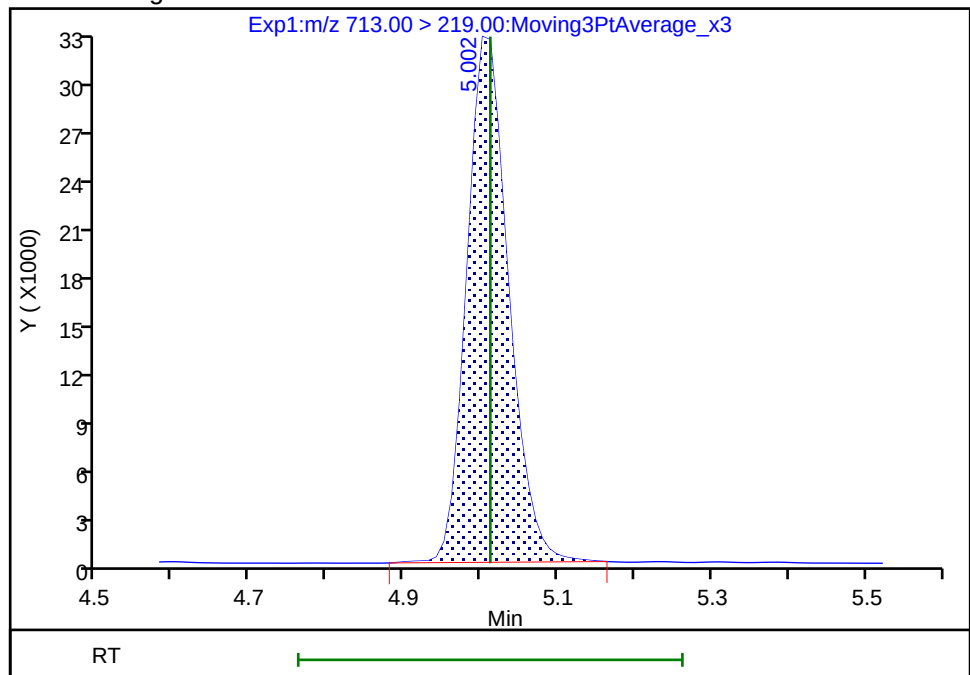
RT: 5.00
Area: 121696
Amount: 0.499944
Amount Units: ng/ml

Processing Integration Results



RT: 5.00
Area: 120383
Amount: 0.532692
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:03:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

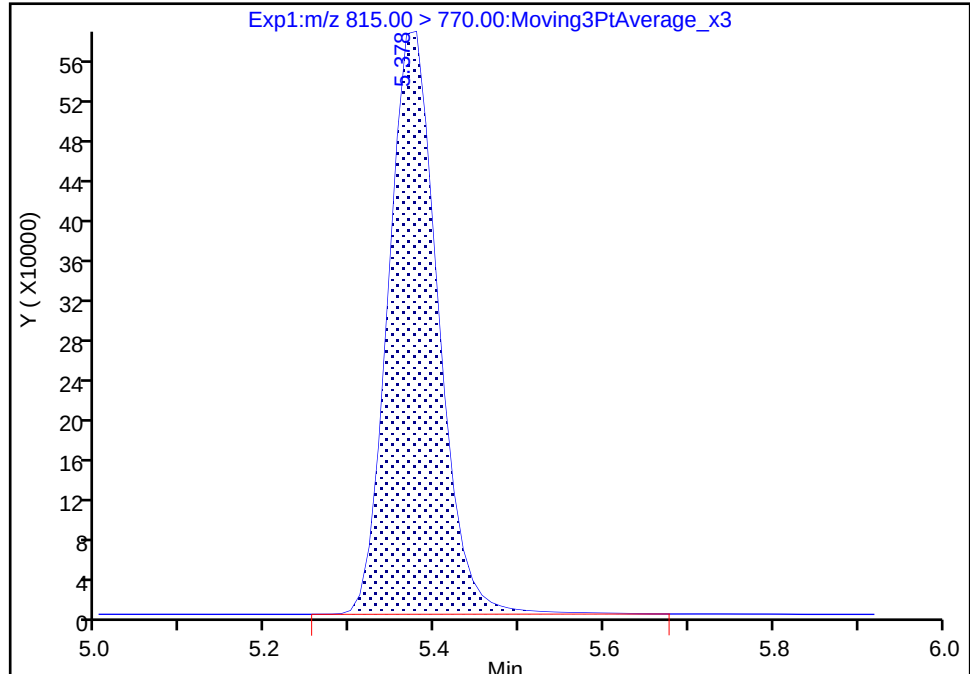
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

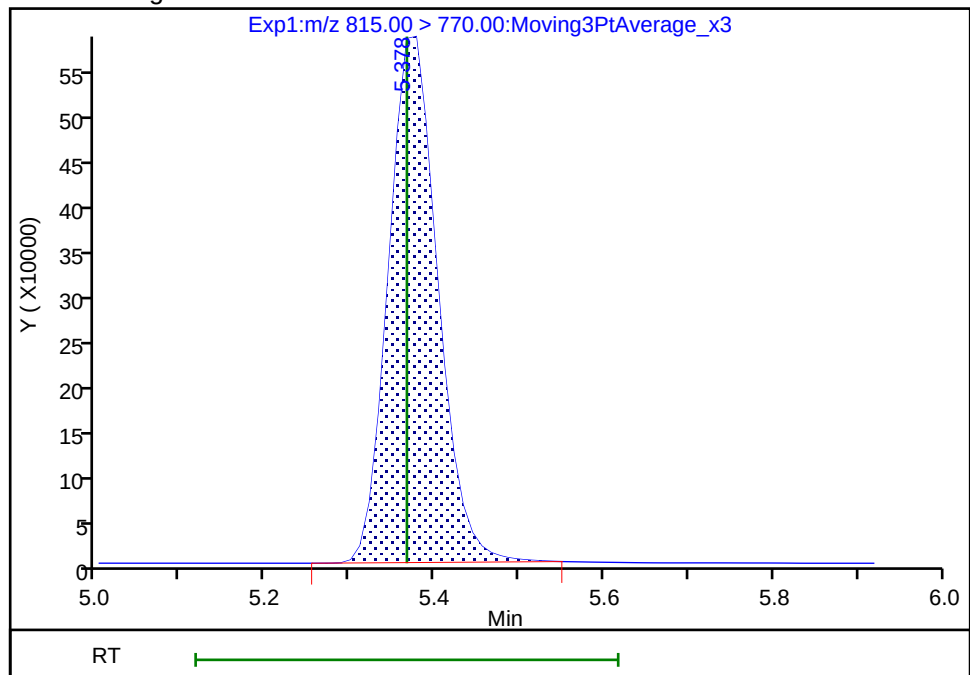
RT: 5.38
Area: 2367322
Amount: 1.213410
Amount Units: ng/ml

Processing Integration Results



RT: 5.38
Area: 2348434
Amount: 1.200087
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:03:09

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

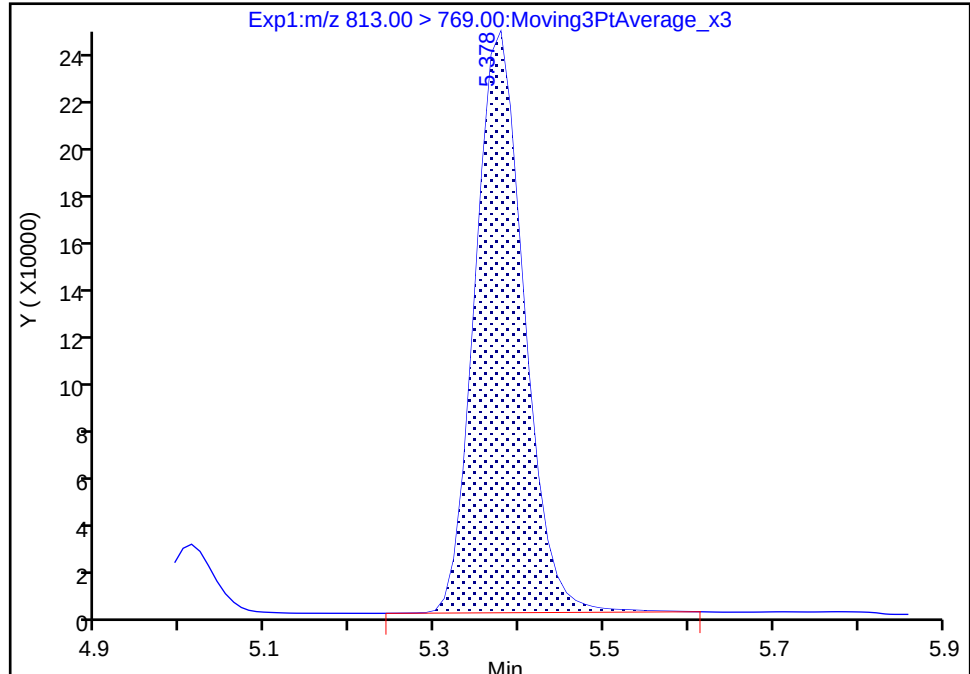
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

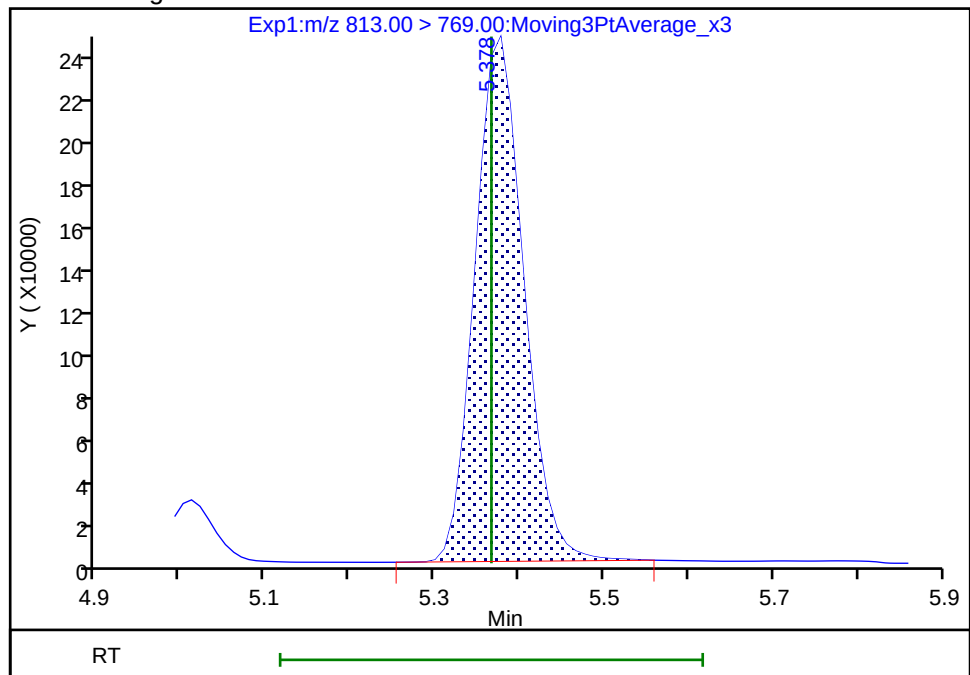
RT: 5.38
Area: 983409
Amount: 0.501394
Amount Units: ng/ml

Processing Integration Results



RT: 5.38
Area: 978907
Amount: 0.549576
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:03:16

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

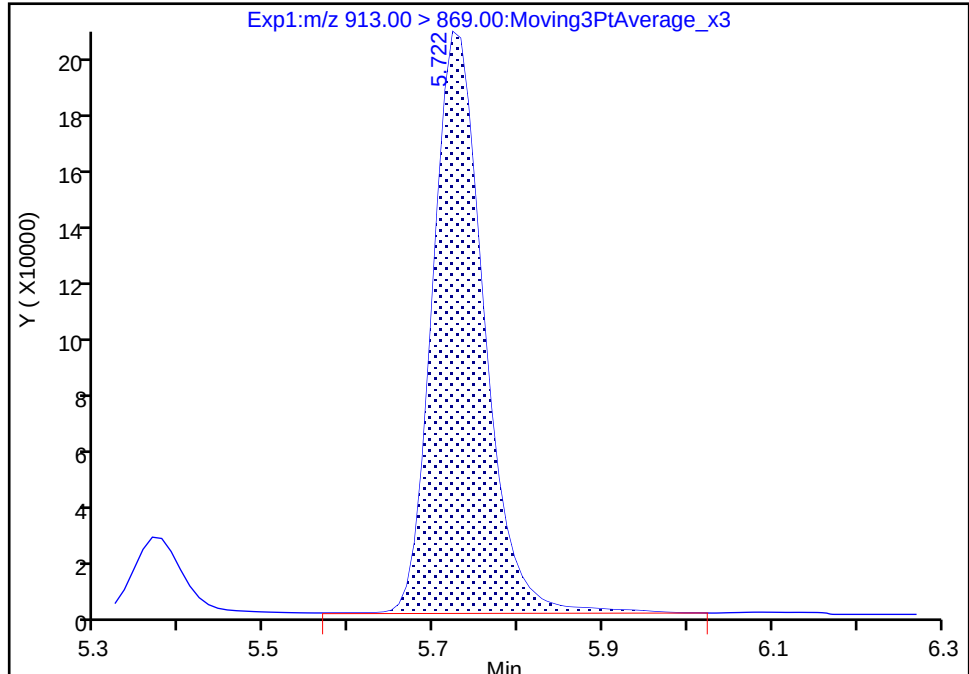
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

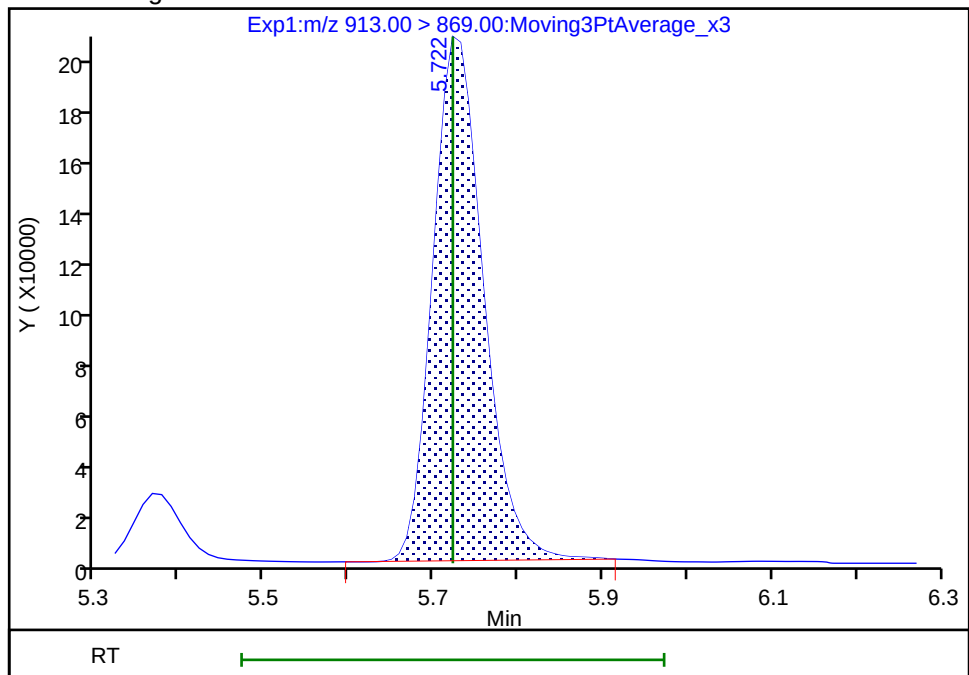
RT: 5.72
Area: 870066
Amount: 0.534447
Amount Units: ng/ml

Processing Integration Results



RT: 5.72
Area: 852104
Amount: 0.550699
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:03:20
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

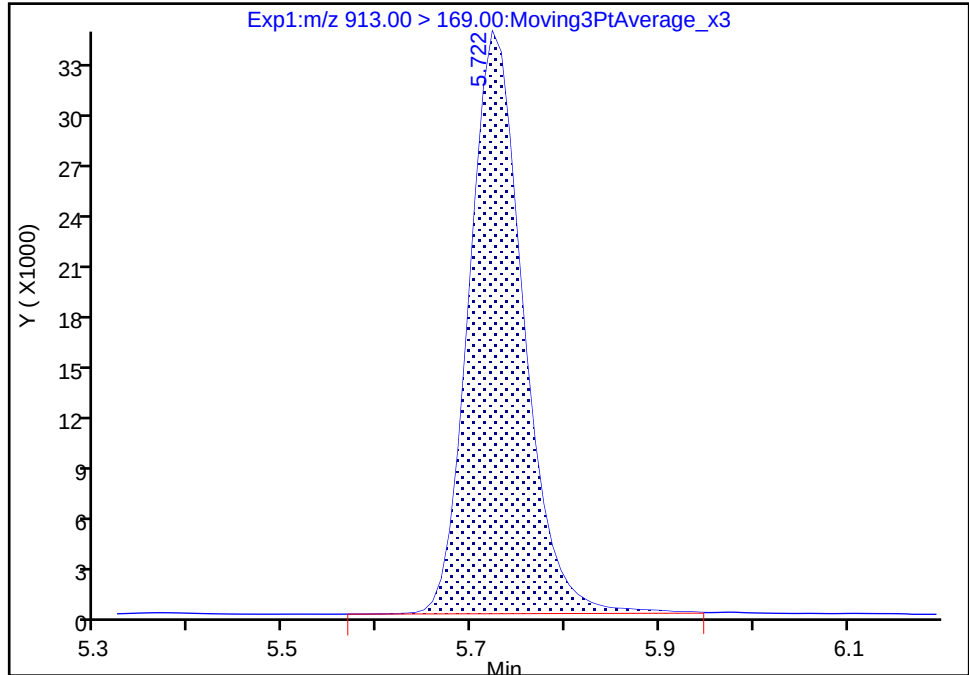
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Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

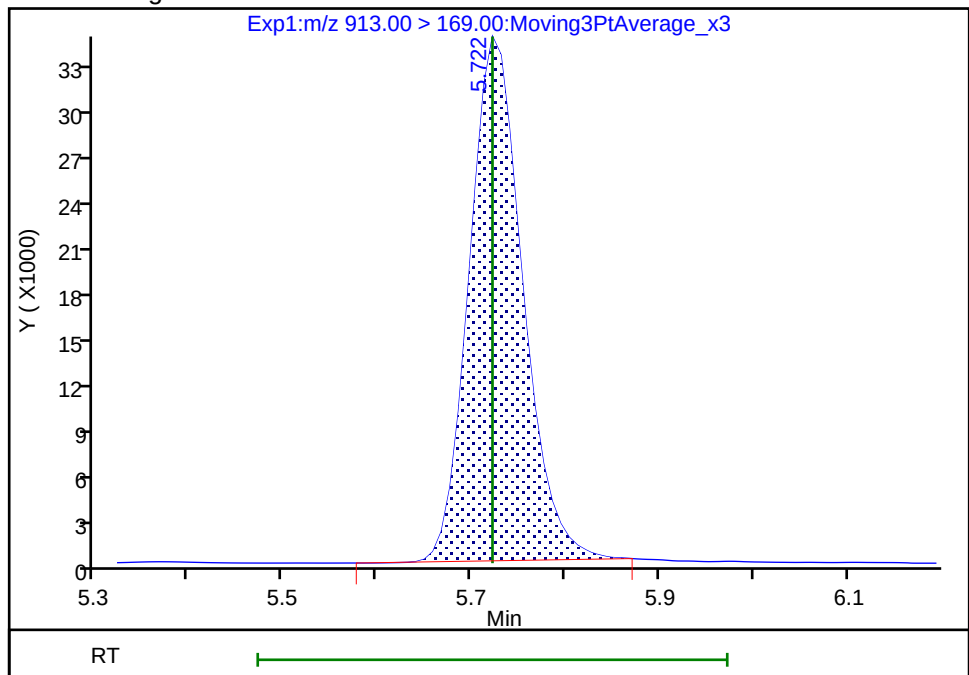
RT: 5.72
Area: 136693
Amount: 0.534447
Amount Units: ng/ml

Processing Integration Results



RT: 5.72
Area: 133969
Amount: 0.550699
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:03:23

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
 Lims ID: ICISAV
 Client ID:
 Sample Type: ICISAV Calib Level: 4
 Inject. Date: 18-Nov-2022 14:54:26 ALS Bottle#: 5 Worklist Smp#: 8
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: ICIS
 Misc. Info.: 200-0053396-008 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 18-Nov-2022 15:37:43 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1602

First Level Reviewer: Z1IP

Date: 18-Nov-2022 15:10:02

Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.076	2.076	0.0	0.602	2534911	1.21		97.1	8459	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.076	2.076	0.0	1.000	1911392	0.9140		91.4	178	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.387	2.387	0.0	0.692	1977830	1.24		99.5	4234	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.387	2.387	0.0	1.000	1602160	0.9291		92.9	42.0	M
D 47 13C3 PFBS										
301.90 > 80.00	2.400	2.400	0.0	0.696	1977208	1.14		98.4	321673	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.400	2.400	0.0	1.000	1545417	0.7942	Target=2.14	89.8	2033	
298.90 > 99.00	2.400	2.400	0.0	1.000	739473		2.09(1.07-3.21)	89.8	579	
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.689	2.689	0.0	1.000	391113	0.8767		93.9	2379	
D 60 M2-4:2 FTS										
329.00 > 81.00	2.689	2.689	0.0	0.780	169056	1.11		94.8	181	
D 7 13C2 PFHxA										
315.00 > 270.00	2.725	2.725	0.0	0.790	2055340	1.23		98.7	4582	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.725	2.725	0.0	1.000	1703495	0.9508	Target=13.44	95.1	335	M
313.00 > 119.00	2.725	2.725	0.0	1.000	119585		14.25(6.72-20.15)	95.1	175	
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.737	2.737	0.0	0.887	1404230	0.8581	Target=2.98	91.5	2468	
349.00 > 99.00	2.737	2.737	0.0	0.887	461710		3.04(1.49-4.47)	91.5	1082	
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.835	2.835	0.0	0.822	372889	1.27		101	2292	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.835	2.835	0.0	1.000	286947	0.9110		91.1	991	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.088	3.088	0.0	0.896	1449028	1.15		97.4	3635	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.088	3.088	0.0	1.000	1180858	0.8538	Target=3.57	93.8	1219	M
399.00 > 99.00	3.088	3.088	0.0	1.000	322894		3.66(1.78-5.35)	93.8	449	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.099	3.099	0.0	0.899	2123066	1.24		99.1	4752	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.099	3.099	0.0	1.000	1718424	0.9293	Target=3.93	92.9	372	M
363.00 > 169.00	3.099	3.099	0.0	1.000	433271		3.97(1.96-5.89)	92.9	919	M
77 DONA										
377.00 > 251.00	3.132	3.132	0.0	0.832	4197219	0.9414	Target=3.08	99.9	3253	
377.00 > 85.00	3.132	3.132	0.0	0.832	1329955		3.16(1.54-4.62)	99.9	1576	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.439	3.439	0.0	0.997	249636	1.18		99.6	824	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.439	3.439	0.0	1.000	404018	0.8979		94.7	1316	
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.439	3.439	0.0	0.914	1021904	0.9037	Target=5.16	94.9	1725	M
449.00 > 99.00	3.439	3.439	0.0	0.914	198660		5.14(2.58-7.74)	94.9	800	
D 14 13C4 PFOA										
417.00 > 372.00	3.448	3.448	0.0	1.000	2342274	1.22		97.3	4621	
* 62 13C2 PFOA										
415.00 > 370.00	3.448	3.448	0.0		2326928	1.25			6928	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.448	3.448	0.0	1.000	1946044	0.9715	Target=2.82	97.1	147	
413.00 > 169.00	3.448	3.448	0.0	1.000	696928		2.79(1.41-4.23)	97.1	1444	M
D 18 13C4 PFOS										
503.00 > 80.00	3.764	3.764	0.0	1.092	967441	1.13		94.8	2148	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.764	3.764	0.0	1.000	856526	0.8700	Target=5.01	93.7	226	M
499.00 > 99.00	3.764	3.764	0.0	1.000	167691		5.11(2.50-7.51)	93.7	213	M
D 19 13C5 PFNA										
468.00 > 423.00	3.783	3.783	0.0	1.097	2356501	1.26		101	3960	
20 Perfluorononanoic acid										
463.00 > 419.00	3.783	3.783	0.0	1.000	1851038	0.9465	Target=8.49	94.7	363	
463.00 > 169.00	3.783	3.783	0.0	1.000	216403		8.55(4.25-12.74)	94.7	1426	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.928	3.928	0.0	1.044	2037918	0.9019		96.8	7599	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.050	4.050	0.0	1.076	673297	0.9060	Target=2.60	94.4	3265	
549.00 > 99.00	4.061	4.050	0.011	1.079	265784		2.53(1.30-3.90)	94.4	989	
D 23 13C2 PFDA										M
515.00 > 470.00	4.081	4.081	0.0	1.184	2384612	1.25		100.0	2422	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										
513.00 > 469.00	4.081	4.081	0.0	1.000	1957474	0.9462	Target=10.03	94.6	861	
513.00 > 169.00	4.081	4.081	0.0	1.000	190868		10.26(5.02-15.05)	94.6	378	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.093	4.093	0.0	1.187	300249	1.16		97.1	1026	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.093	4.093	0.0	1.000	370895	0.9148		95.5	1282	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.150	4.150	0.0	1.000	1483356	0.9442		94.4	2971	
D 21 13C8 FOSA										
506.00 > 78.00	4.150	4.150	0.0	1.204	1879604	1.20		96.1	1789	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.228	4.228	0.0	1.226	470154	1.21		96.8	798	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.228	4.228	0.0	1.000	324897	0.99		99.3	621	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.331	4.331	0.0	1.151	528363	0.9005	Target=2.58	93.4	2444	
599.00 > 99.00	4.331	4.331	0.0	1.151	210859		2.51(1.29-3.86)	93.4	1382	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.353	4.353	0.0	1.000	1710346	0.9714	Target=10.10	97.1	822	
563.00 > 169.00	4.353	4.353	0.0	1.000	173100		9.88(5.05-15.15)	97.1	1375	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.353	4.353	0.0	1.263	2183949	1.25		100	2475	M
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.365	4.365	0.0	1.000	311108	0.9436		94.4	1137	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.365	4.365	0.0	1.266	460360	1.20		96.3	910	
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.454	4.454	0.0	1.183	3224328	0.9257		98.3	2744	M
37 Perfluorododecanoic acid										
613.00 > 569.00	4.591	4.591	0.0	1.000	1785384	0.9748	Target=7.41	97.5	120	
613.00 > 169.00	4.591	4.591	0.0	1.000	229653		7.77(3.70-11.11)	97.5	1063	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.591	4.591	0.0	1.332	2161023	1.21		97.1	3209	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.612	4.612	0.0	1.127	226266	0.9287		96.3	3406	
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.776	4.776	0.0	1.269	229113	0.9229	Target=0.51	95.3	1358	M
699.00 > 99.00	4.776	4.776	0.0	1.269	454220		0.50(0.25-0.76)	95.3	1975	M
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.804	4.804	0.0	1.046	1631703	0.9315	Target=5.40	93.2	116	M
663.00 > 169.00	4.804	4.804	0.0	1.046	313474		5.21(2.70-8.10)	93.2	887	M
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.012	5.012	0.0	1.000	188468	0.9330	Target=0.90	93.3	1017	M
713.00 > 219.00	5.002	5.012	-0.010	0.998	212234		0.89(0.45-1.35)	93.3	1287	M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.012	5.012	0.0	1.454	1844360	1.20		95.8	2227	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										M
815.00 > 770.00	5.367	5.367	0.0	1.557	2280992	1.20		95.9	2085	M
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.367	5.367	0.0	1.000	1633724	0.9566	Target=5.85	95.7	136	M
813.00 > 169.00	5.367	5.367	0.0	1.000	289352		5.65(2.93-8.78)	95.7	1150	M
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.722	5.722	0.0	1.066	1473641	0.9805	Target=6.30	98.1	150	M
913.00 > 169.00	5.722	5.722	0.0	1.066	236187		6.24(3.15-9.46)	98.1	764	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC4_00036

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d

Injection Date: 18-Nov-2022 14:54:26

Instrument ID: LC812

Lims ID: ICISAV

Client ID:

Operator ID: lc812tech

ALS Bottle#: 5

Worklist Smp#: 8

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

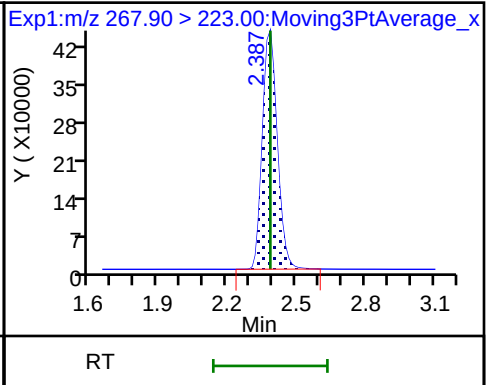
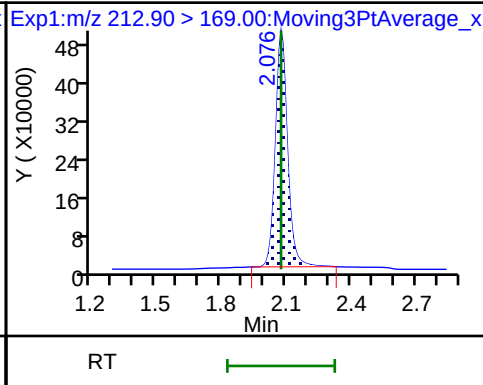
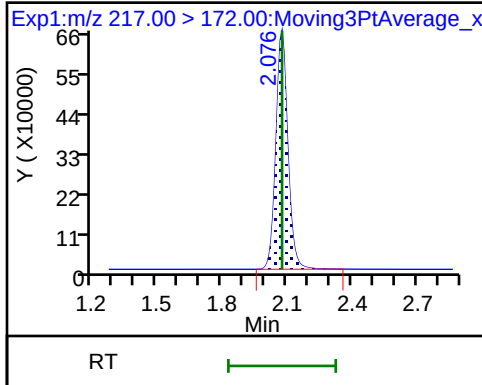
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

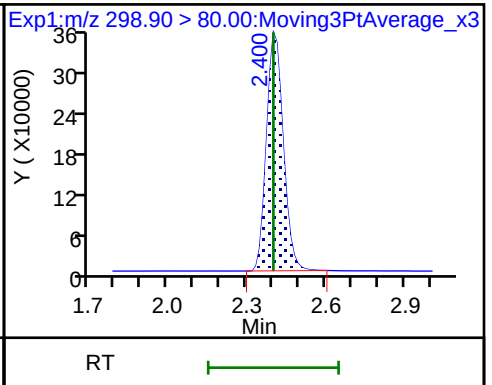
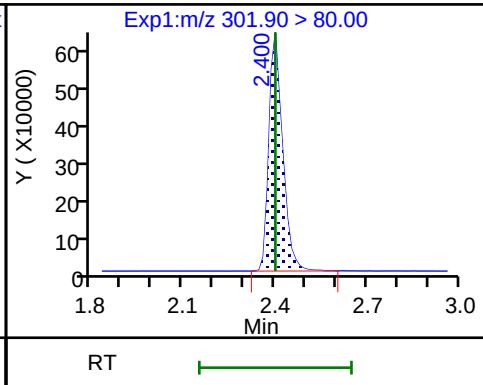
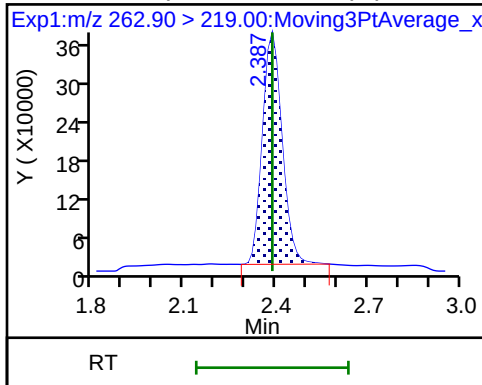
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

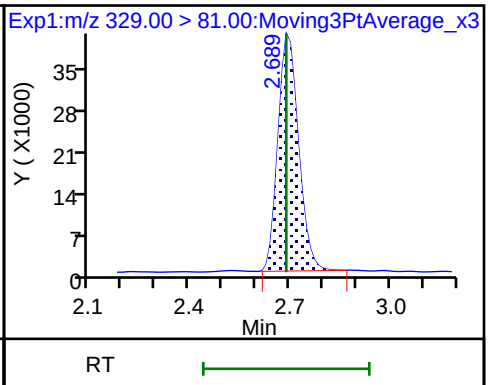
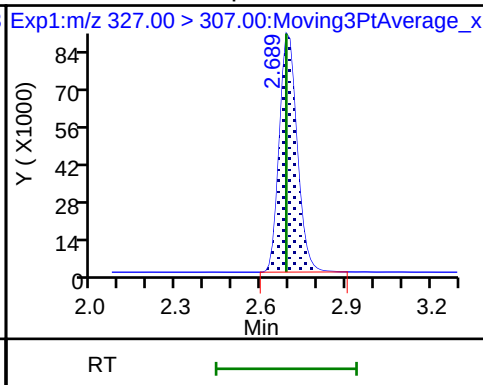
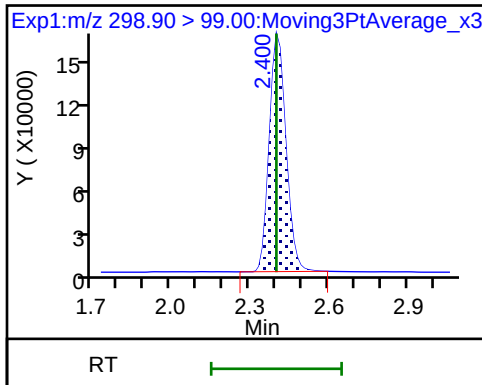
D 47 13C3 PFBS

5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid

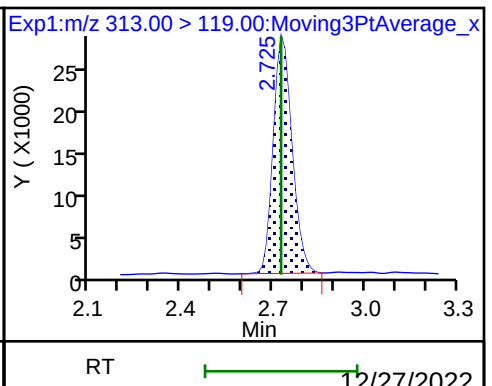
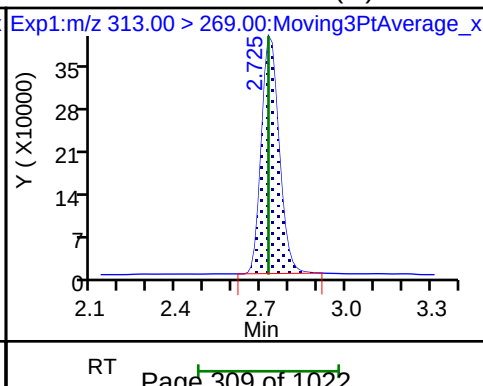
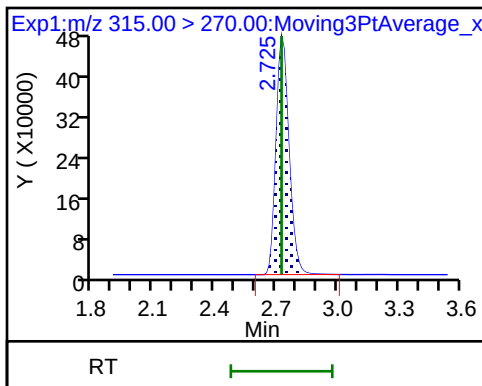
61 1H,1H,2H,2H-perfluorohexanesulfo D 60 M2-4:2 FTS

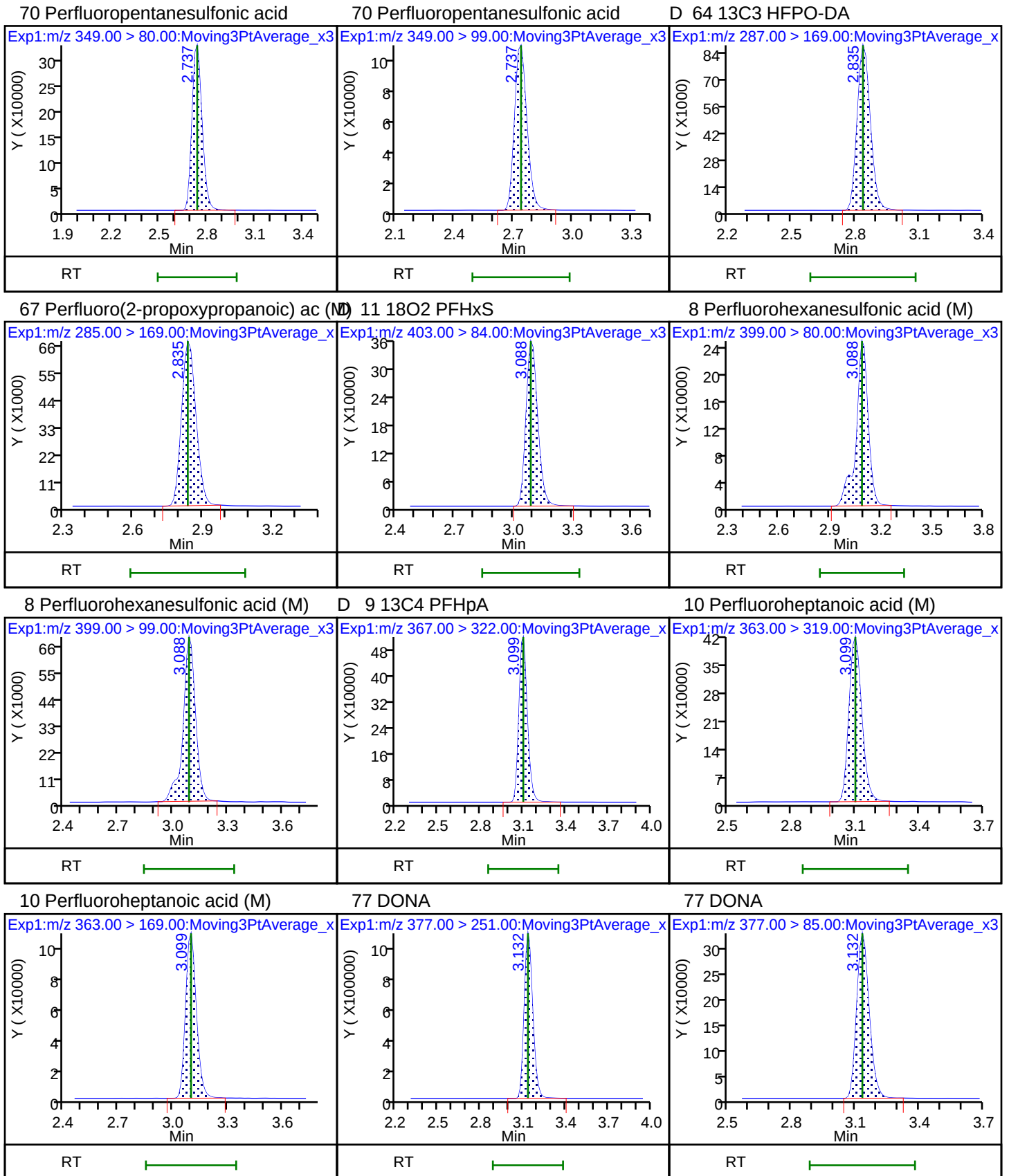


D 7 13C2 PFHxA

6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid

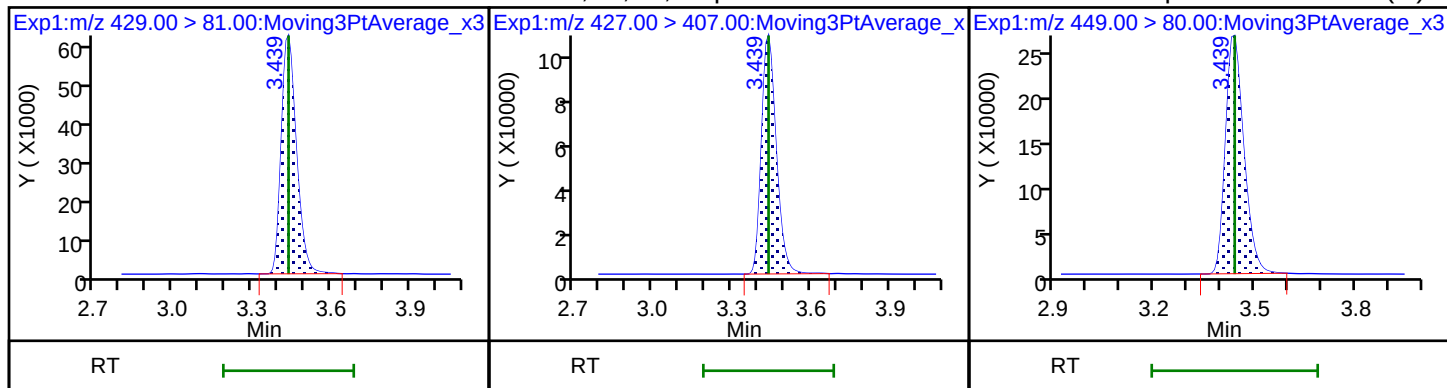




D 12 M2-6:2 FTS

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

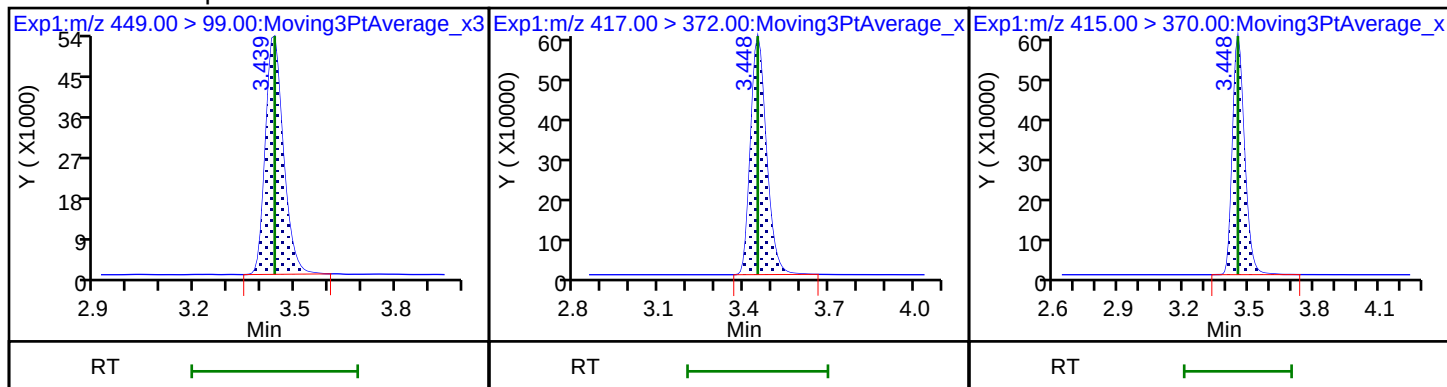
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid

D 14 13C4 PFOA

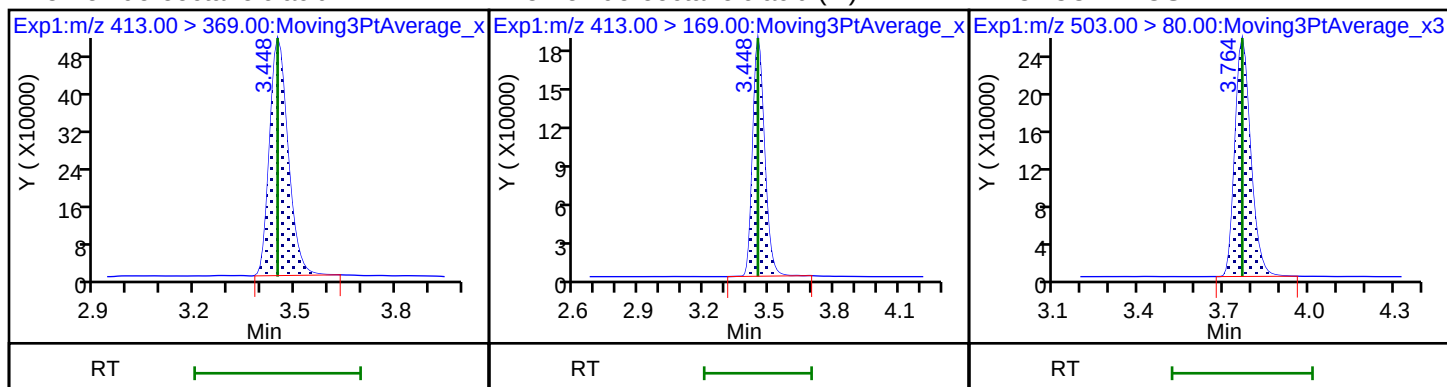
* 62 13C2 PFOA



15 Perfluorooctanoic acid

15 Perfluorooctanoic acid (M)

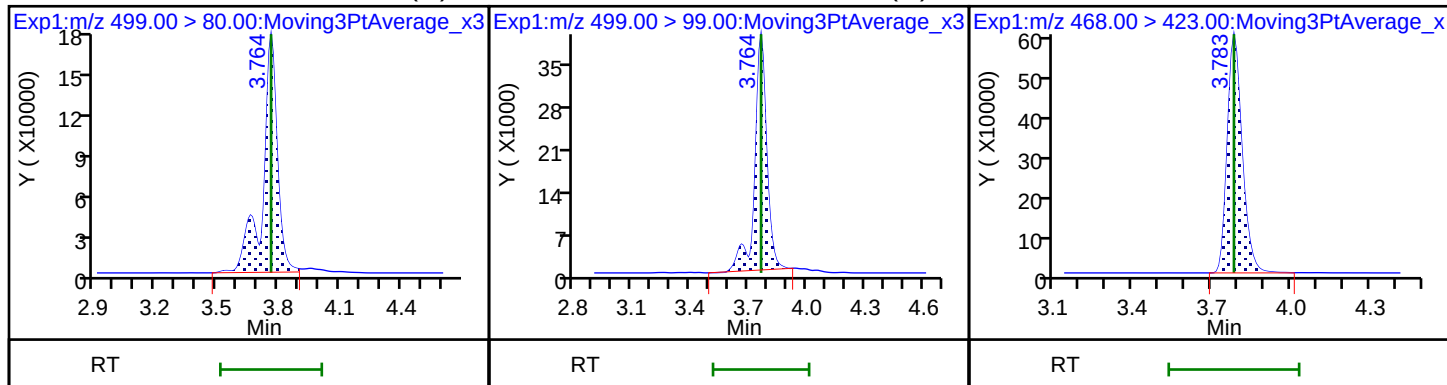
D 18 13C4 PFOS

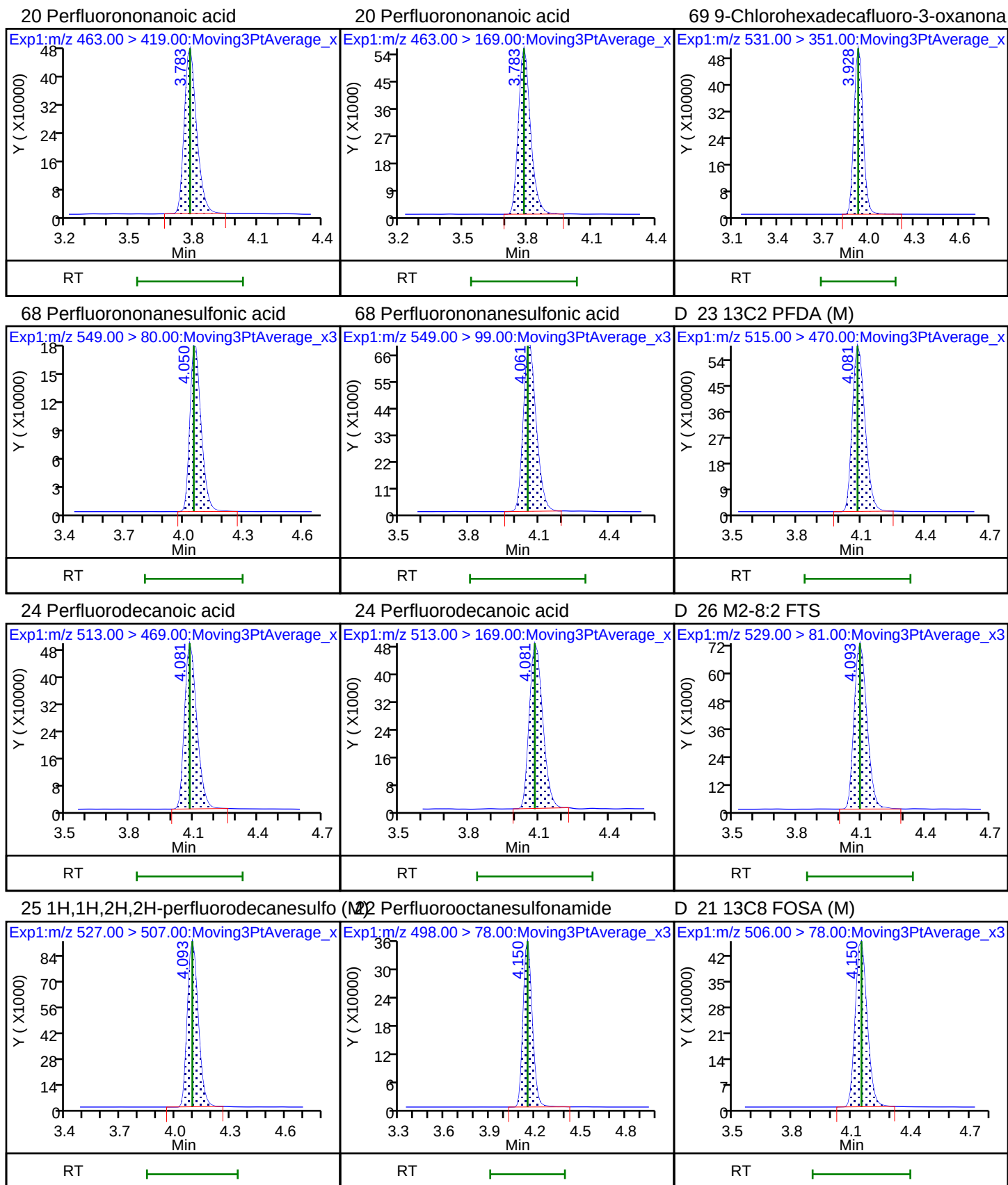


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

D 19 13C5 PFNA

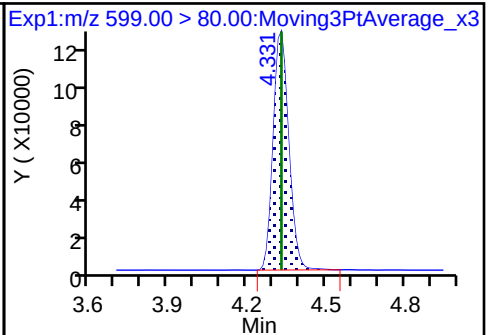
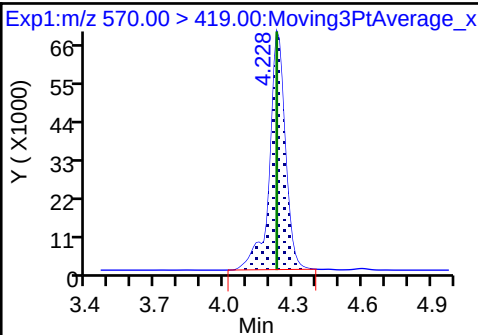
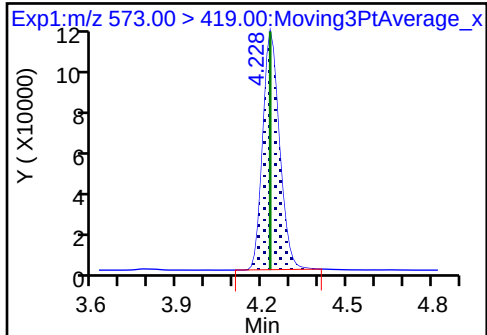




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

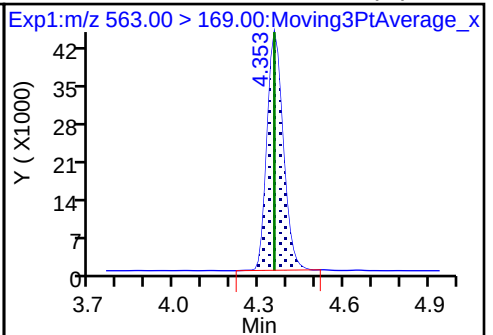
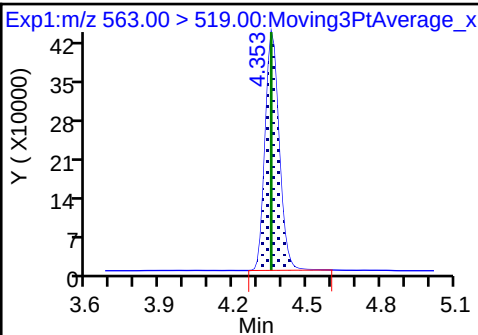
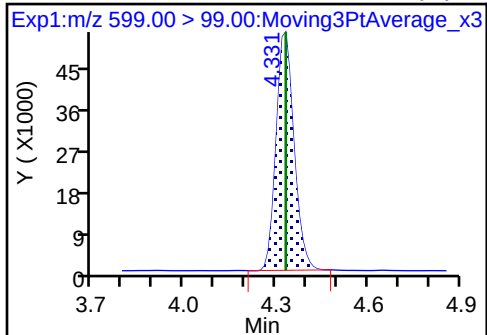
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid (M)

31 Perfluoroundecanoic acid

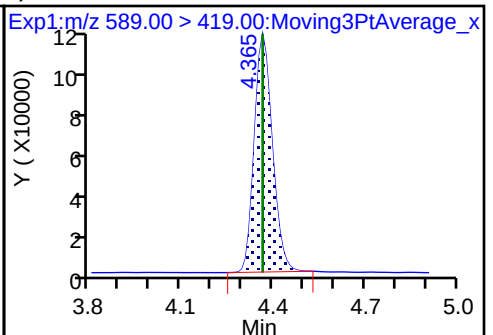
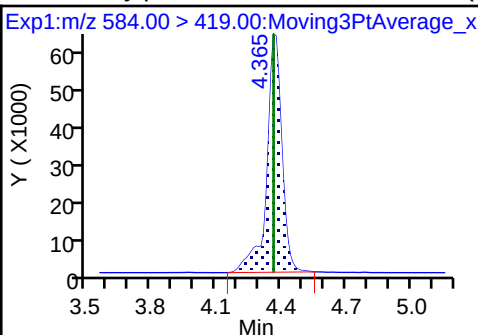
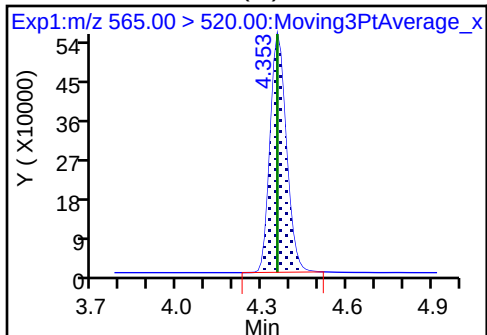
31 Perfluoroundecanoic acid (M)



D 30 13C2 PFUnA (M)

33 N-ethylperfluorooctanesulfonamid (M)

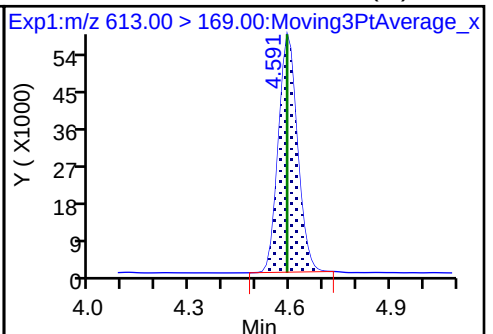
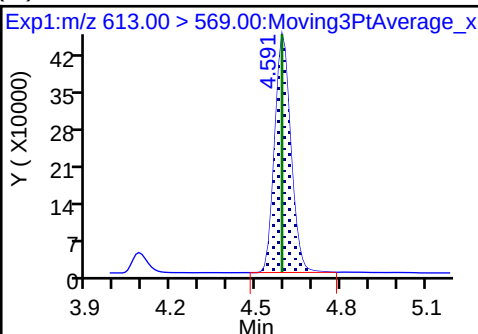
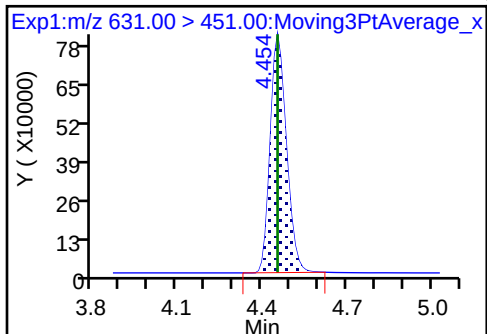
32 d5-NEtFOSAA



66 11-Chloroeicosafluoro-3-oxaundec (M)

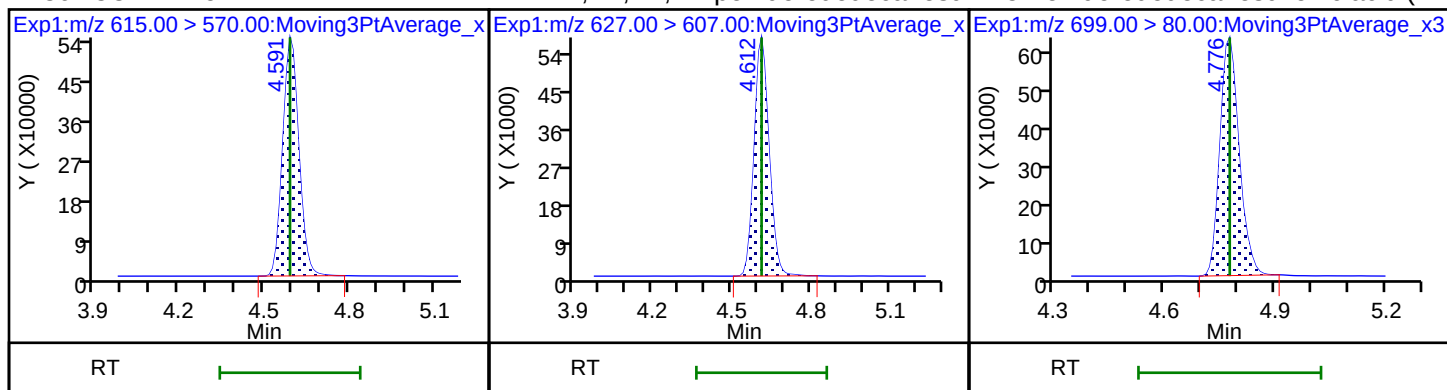
37 Perfluorododecanoic acid

37 Perfluorododecanoic acid (M)



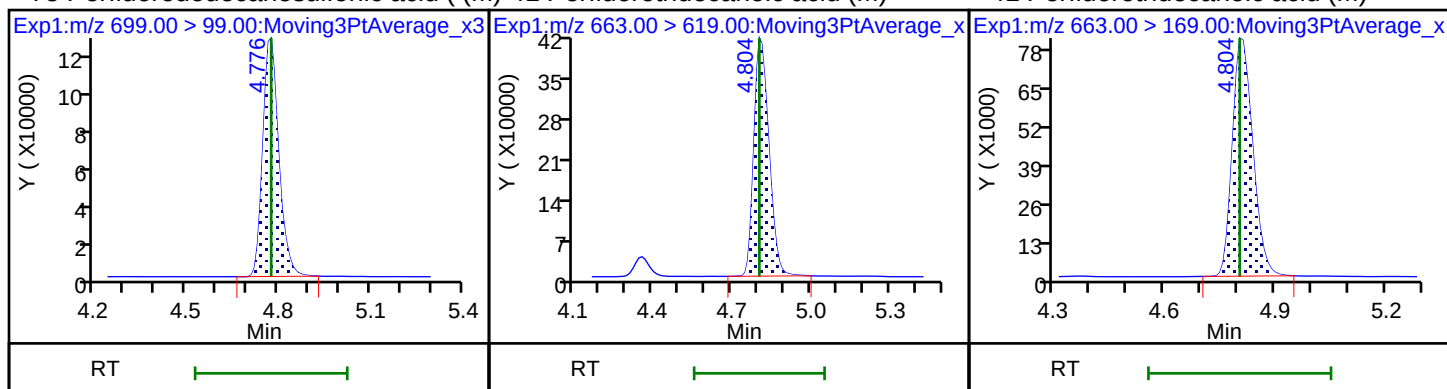
D 36 13C2 PFD0A

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



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

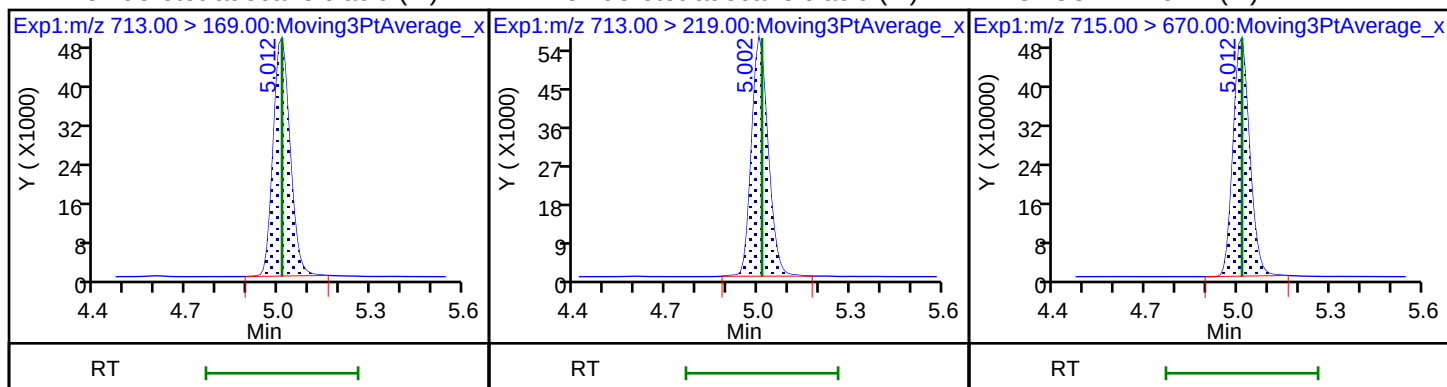
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

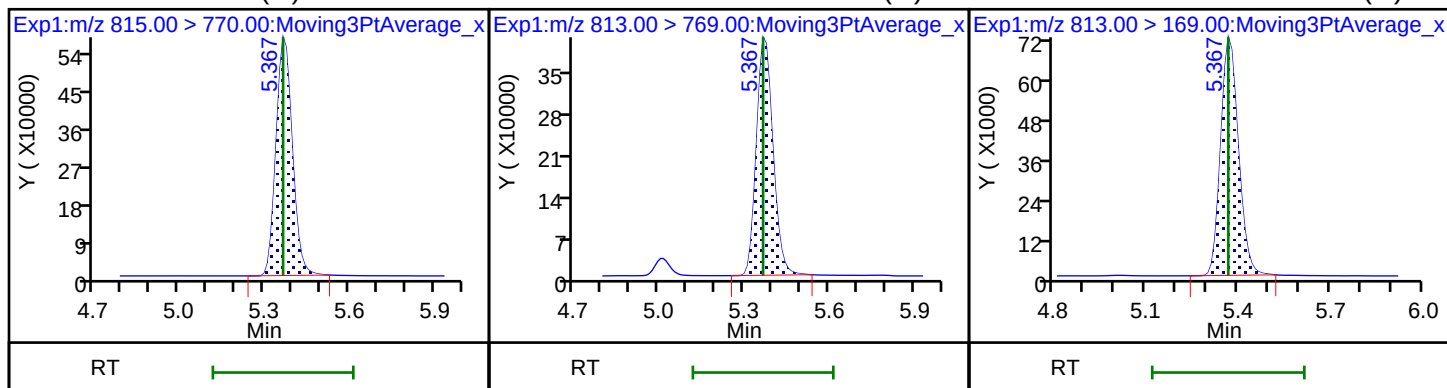
D 43 13C2 PFTeDA (M)



D 44 13C2 PFHxDA (M)

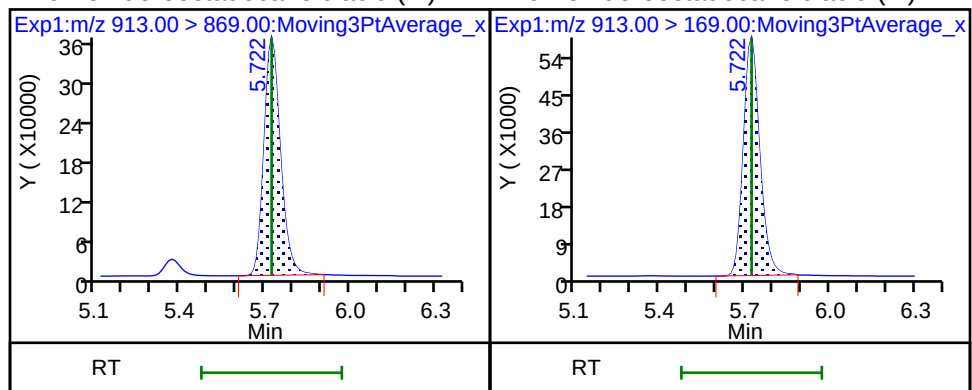
45 Perfluorohexadecanoic acid (M)

45 Perfluorohexadecanoic acid (M)



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

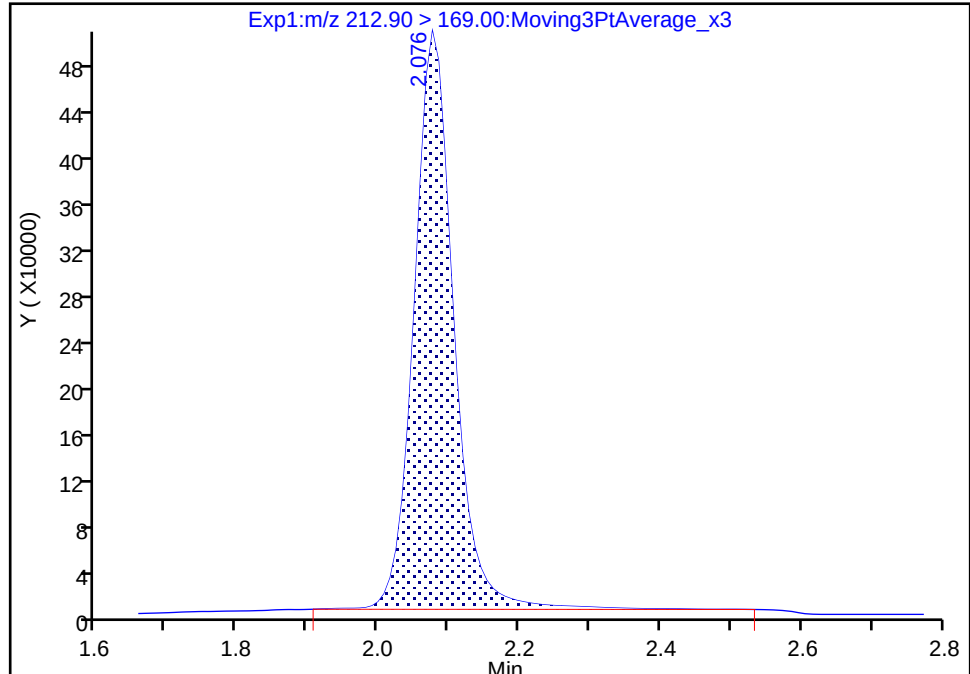
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

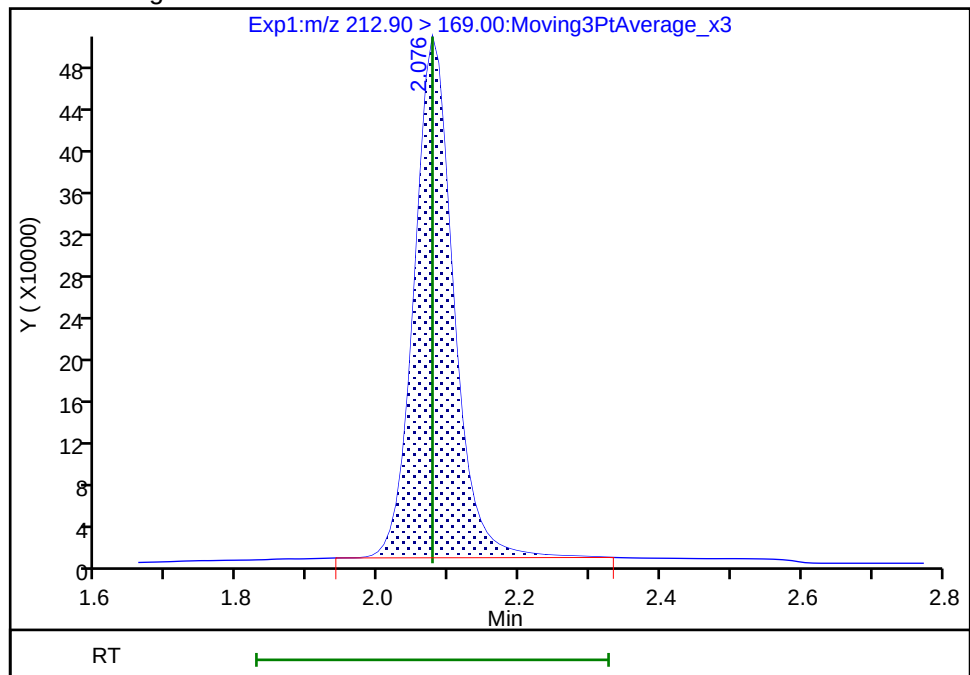
RT: 2.08
Area: 1938856
Amount: 0.884944
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 1911392
Amount: 0.914020
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:05:52
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

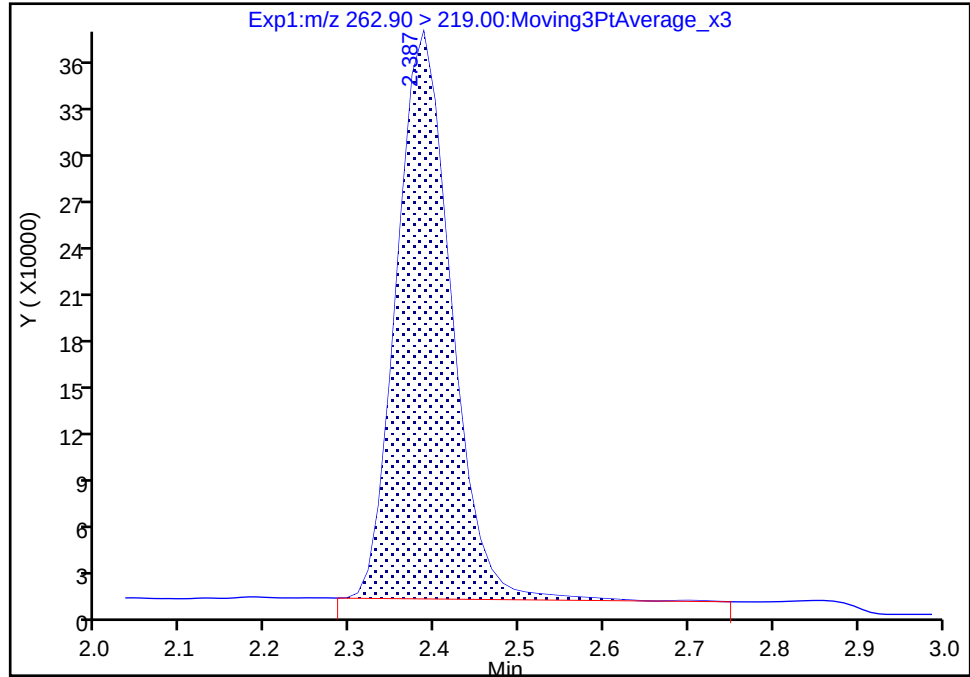
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

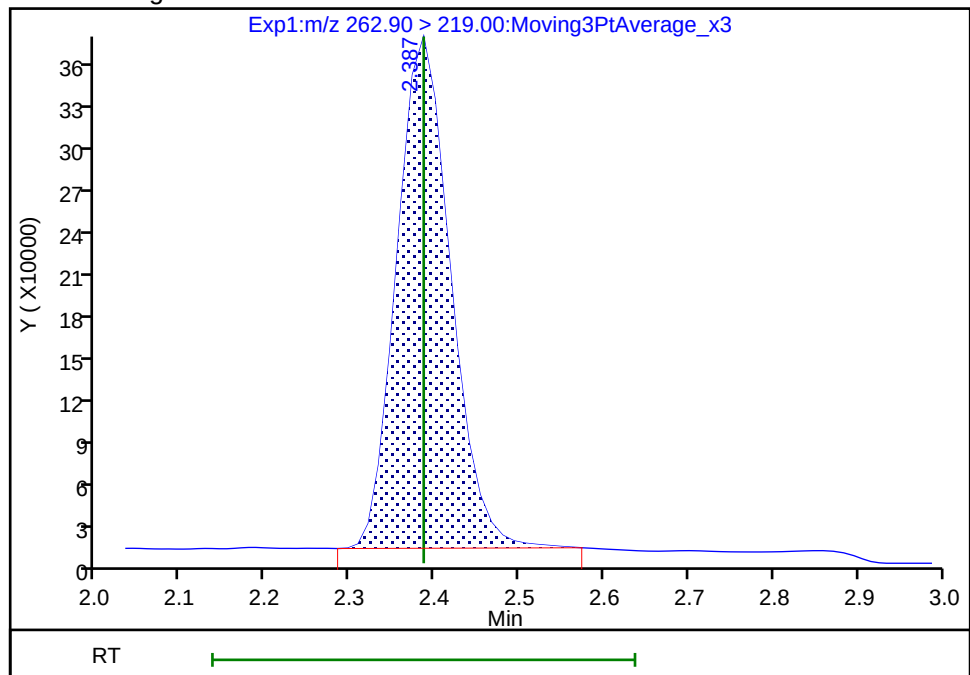
RT: 2.39
Area: 1625686
Amount: 0.903106
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 1602160
Amount: 0.929116
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:05:58
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

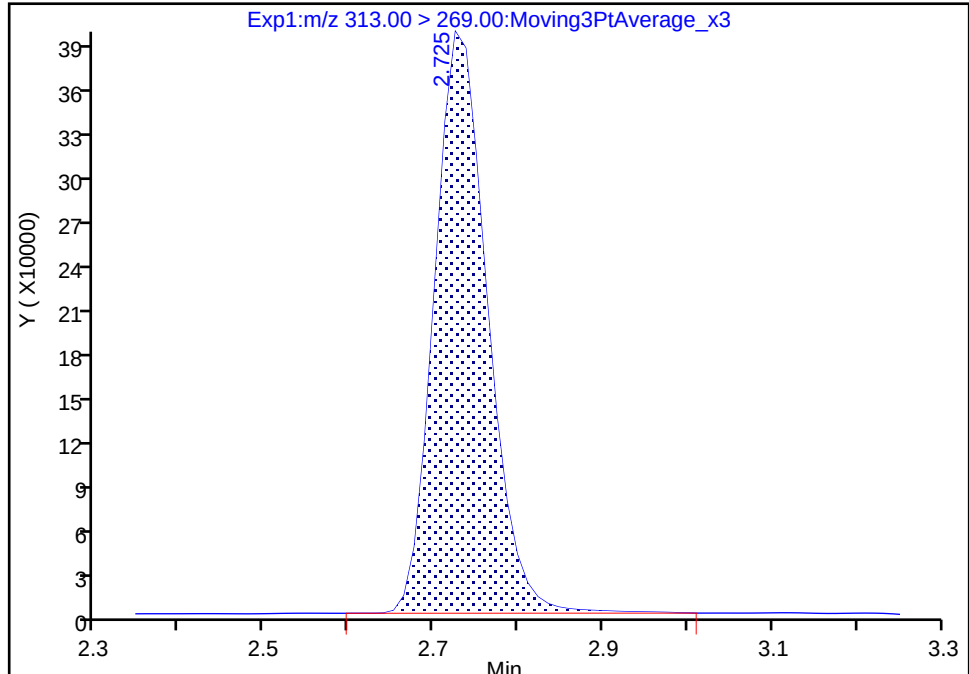
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

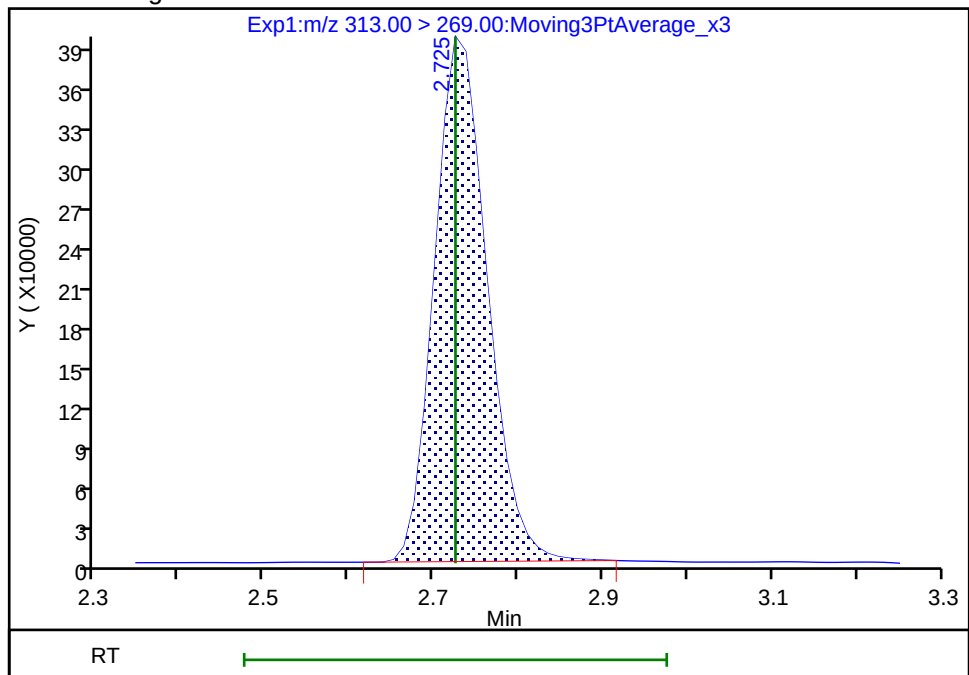
RT: 2.73
Area: 1717760
Amount: 0.925315
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 1703495
Amount: 0.950815
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:06:10
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

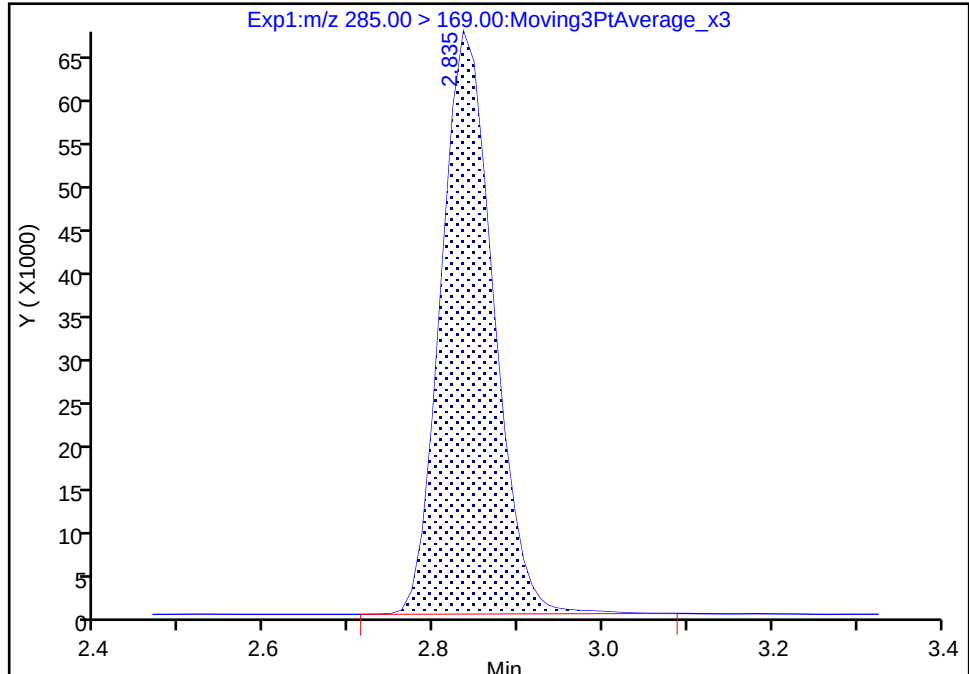
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

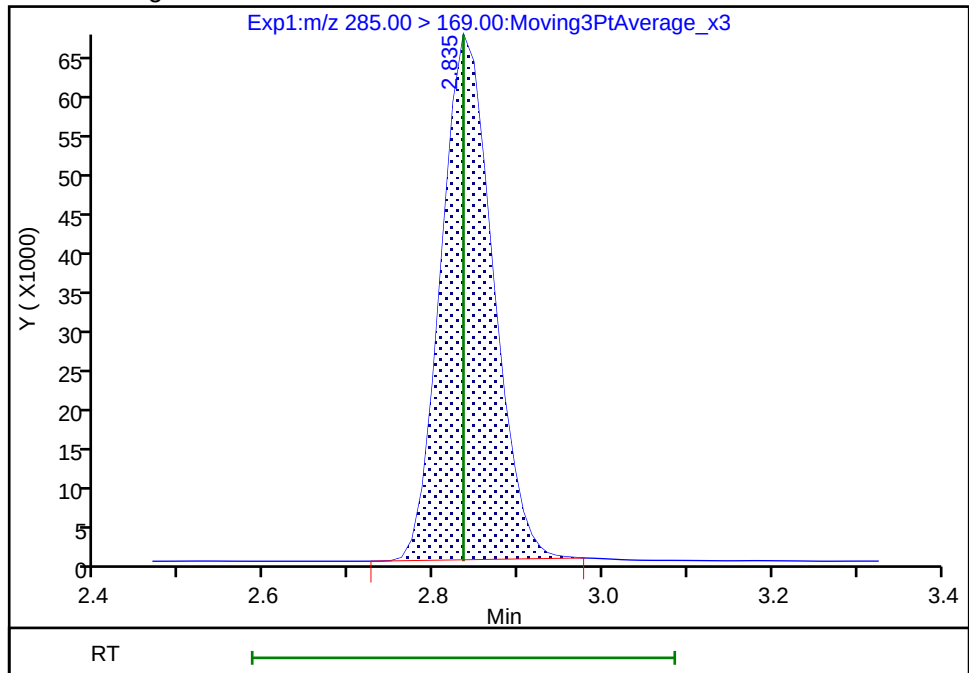
RT: 2.83
Area: 290381
Amount: 0.890585
Amount Units: ng/ml

Processing Integration Results



RT: 2.83
Area: 286947
Amount: 0.910963
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:06:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

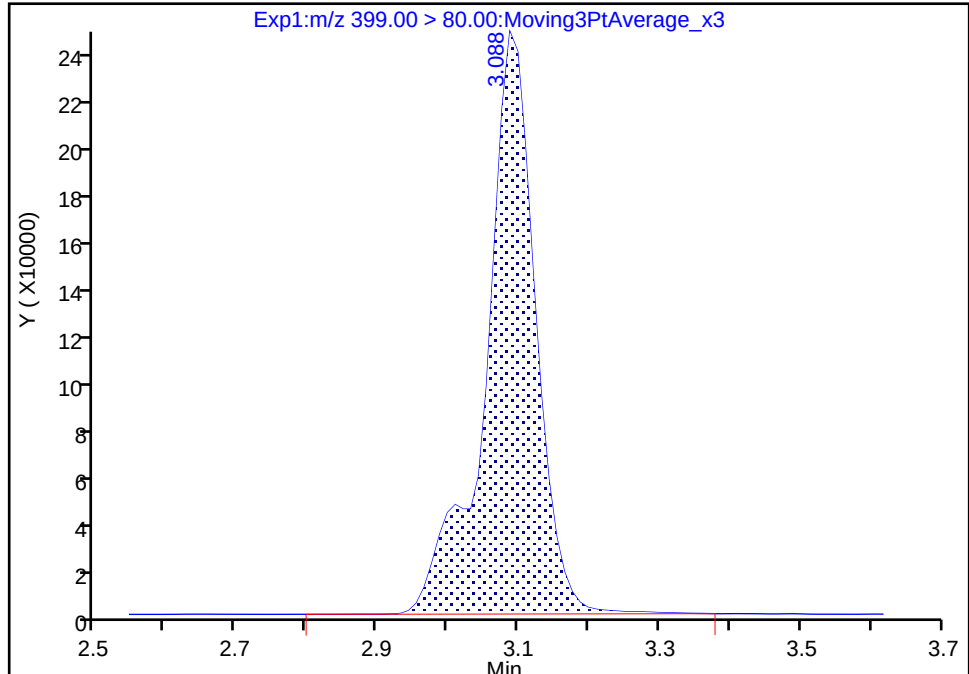
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

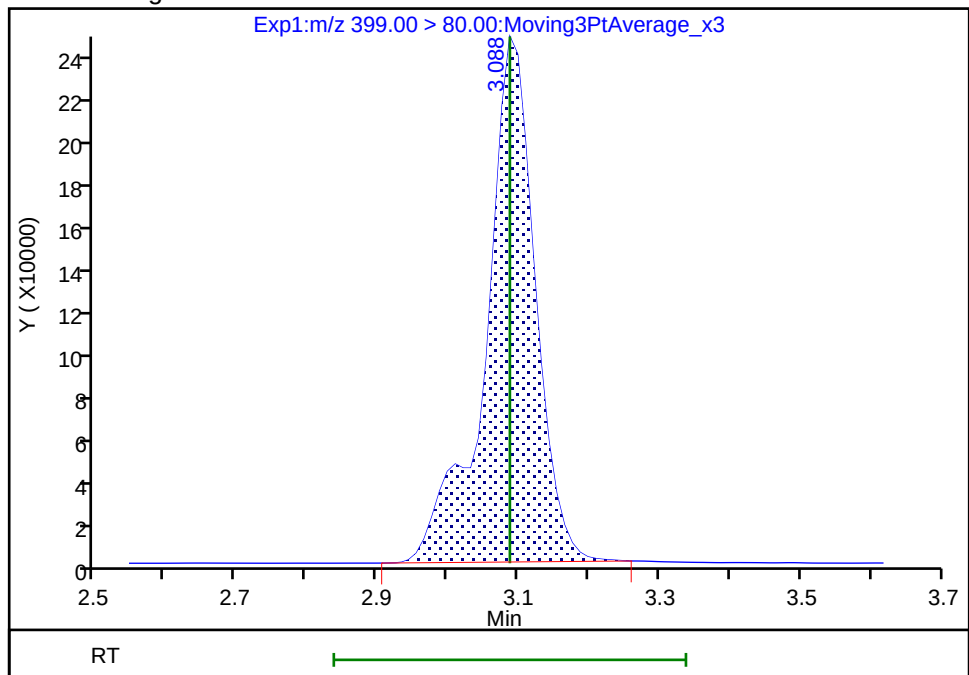
RT: 3.09
Area: 1192403
Amount: 0.844733
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 1180858
Amount: 0.853808
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:06:27
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

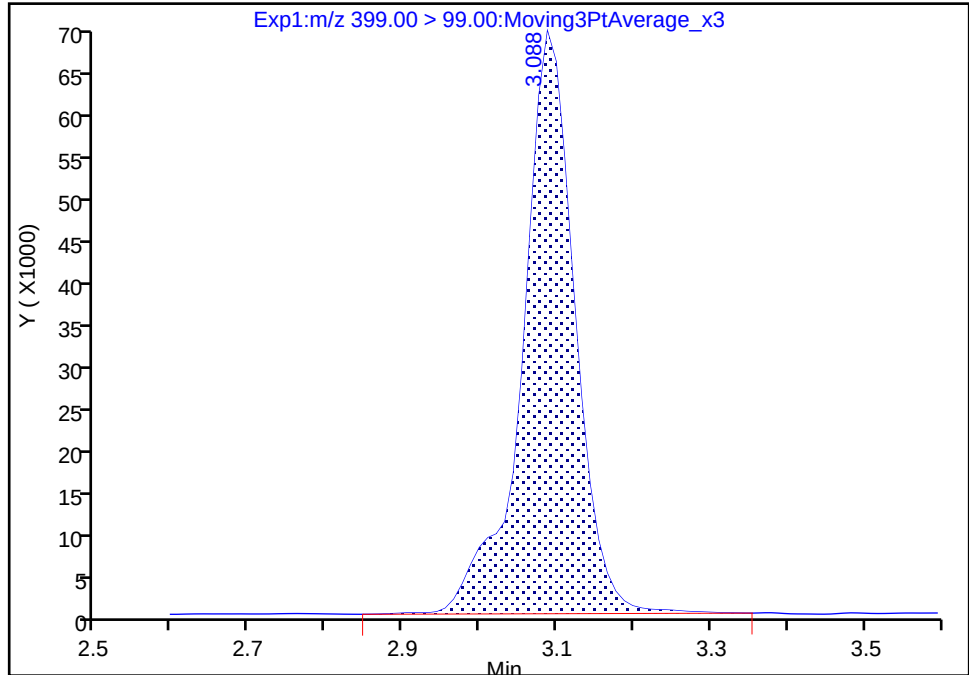
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

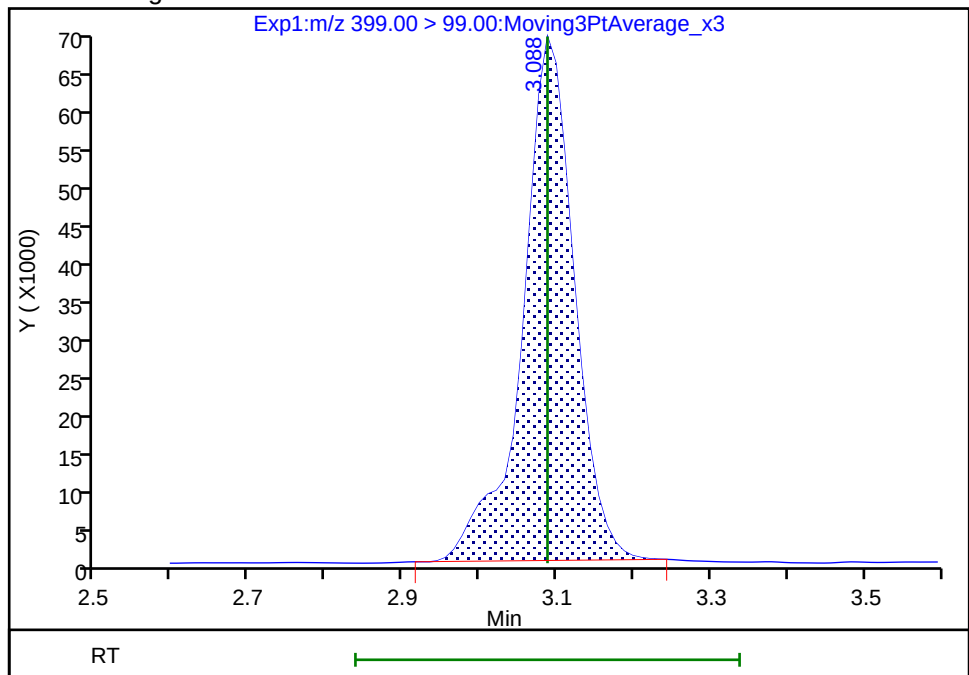
RT: 3.09
Area: 329620
Amount: 0.844733
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 322894
Amount: 0.853808
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:06:30

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

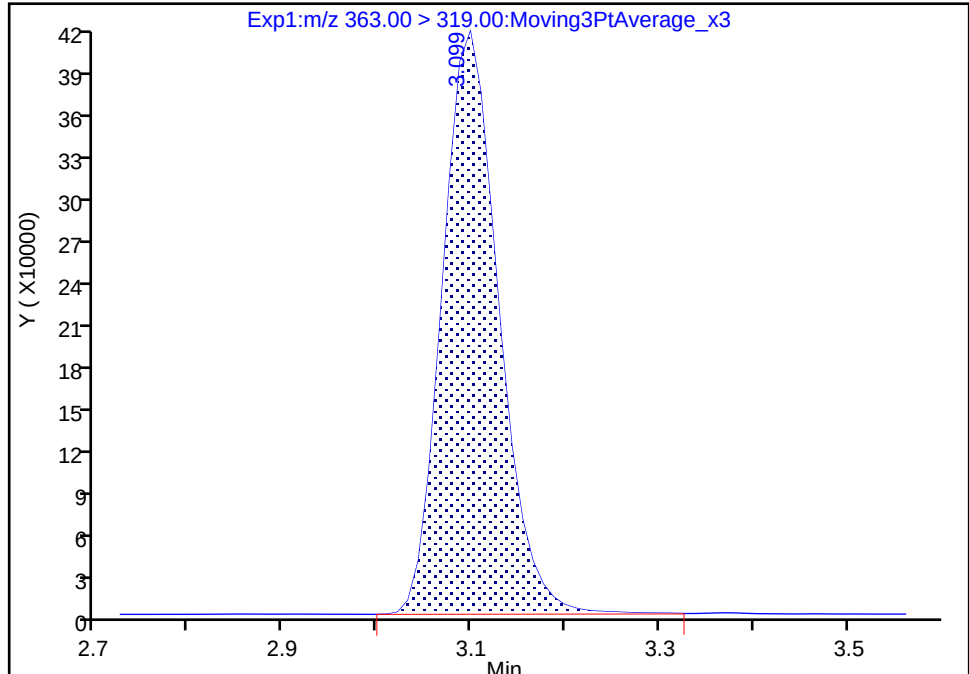
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

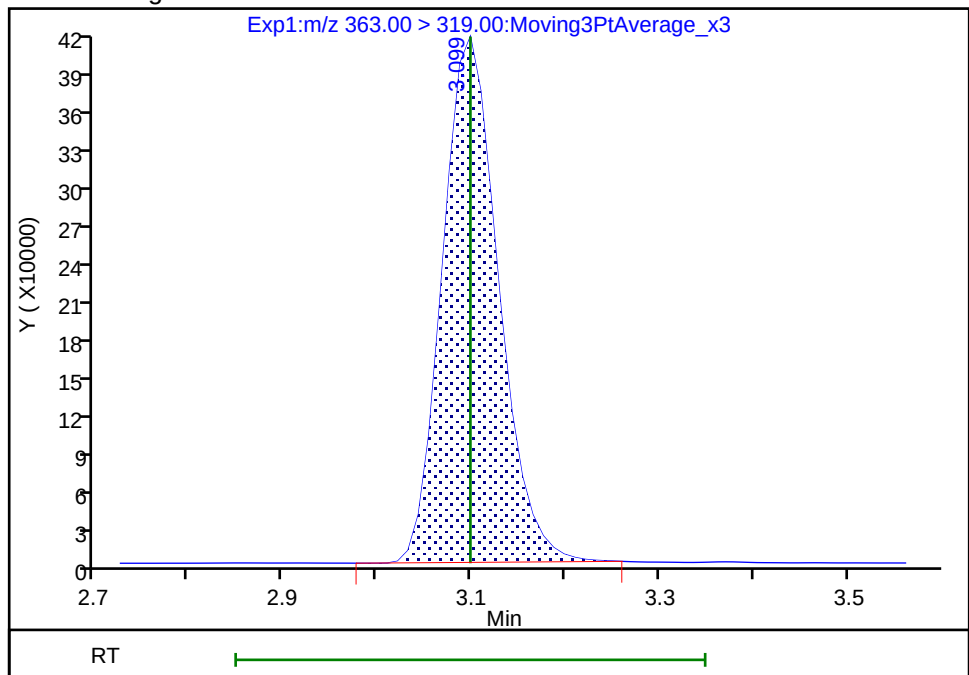
RT: 3.10
Area: 1732207
Amount: 0.896761
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 1718424
Amount: 0.929257
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:06:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

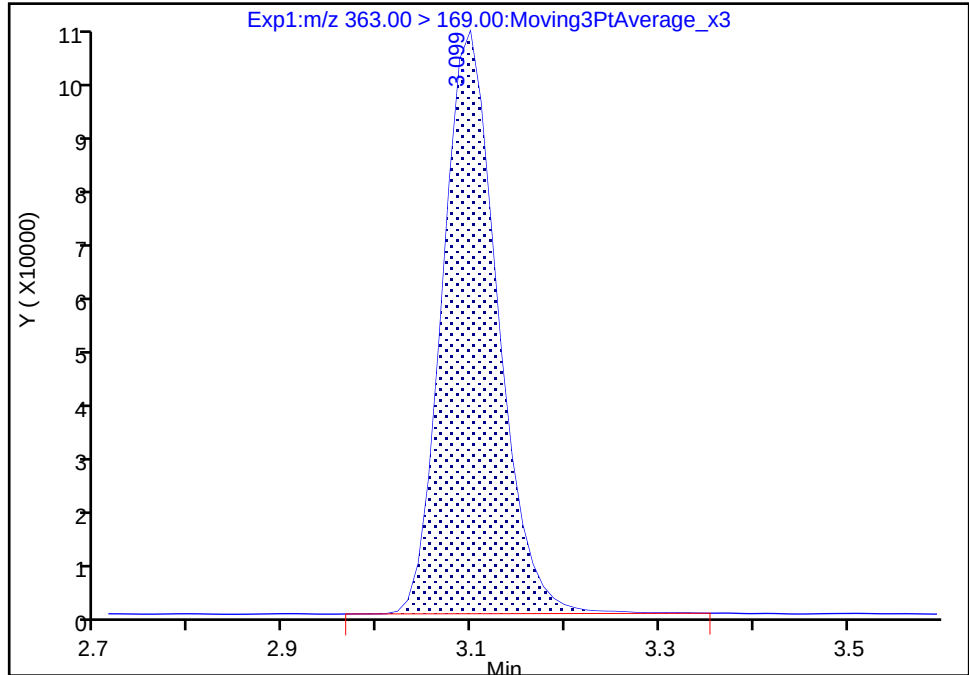
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

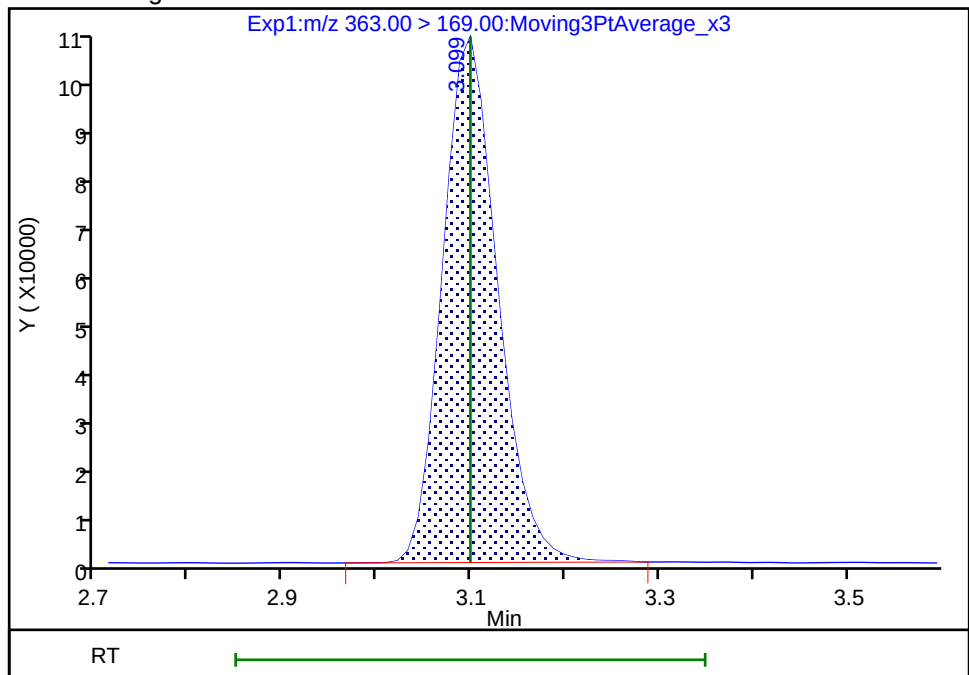
RT: 3.10
Area: 434169
Amount: 0.896761
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 433271
Amount: 0.929257
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:06:41

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

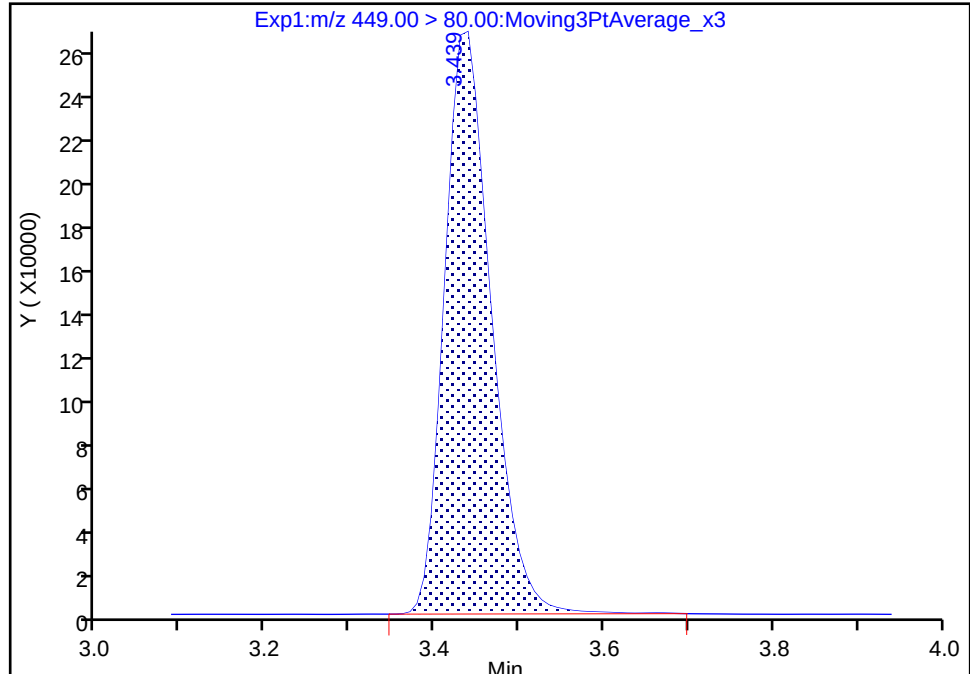
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

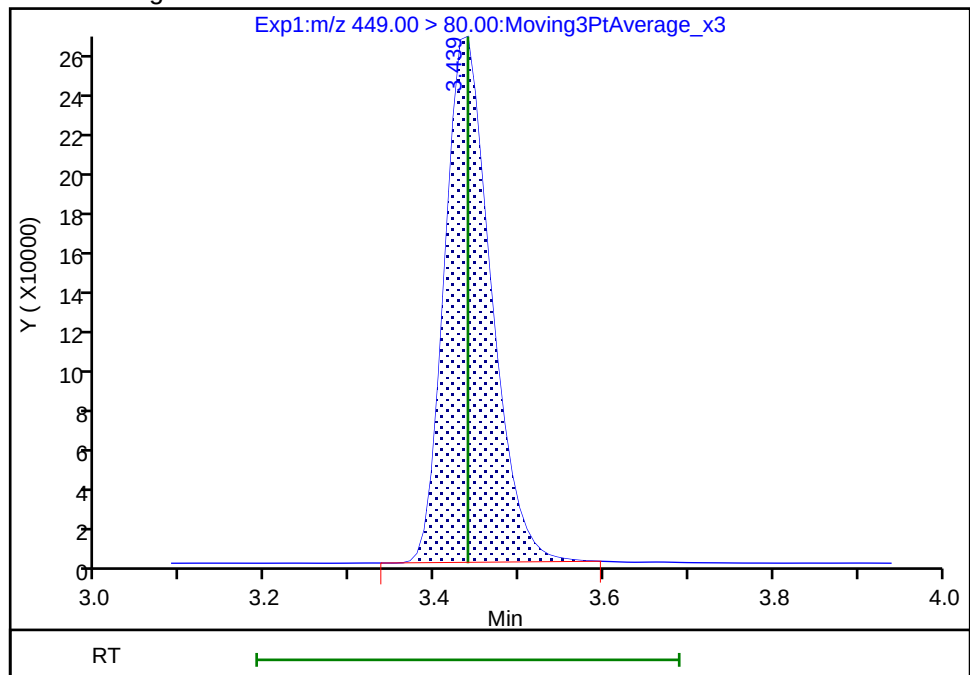
RT: 3.44
Area: 1029711
Amount: 0.878234
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 1021904
Amount: 0.903742
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:06:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

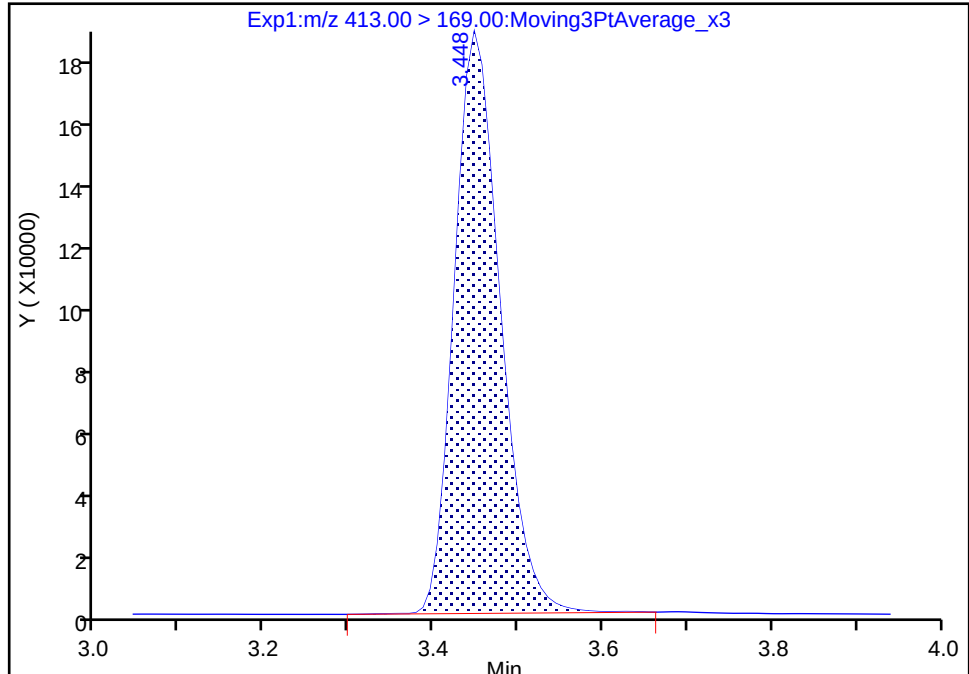
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

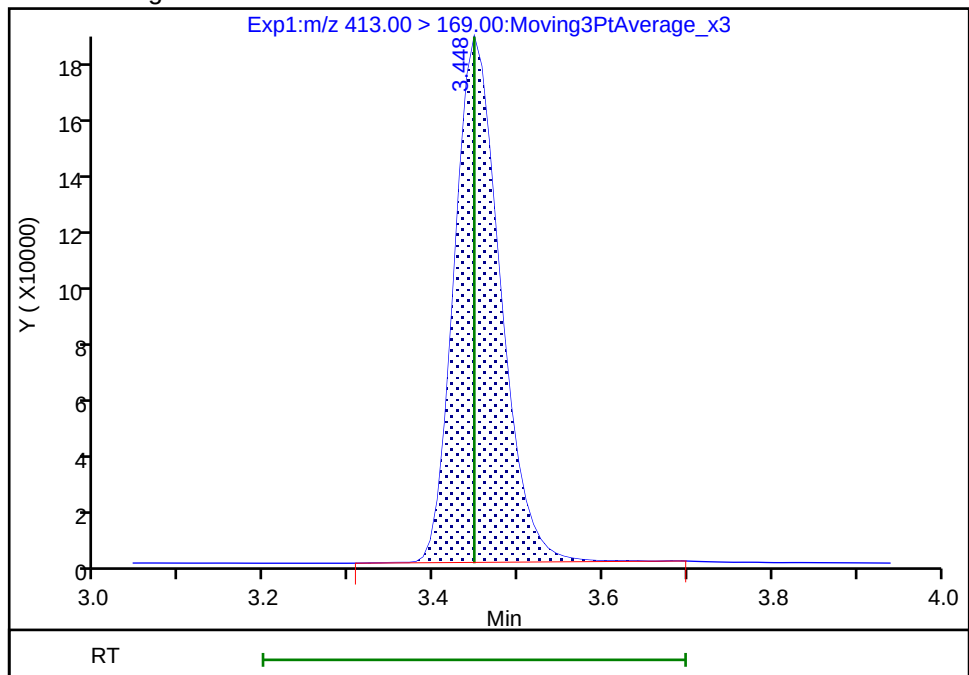
RT: 3.45
Area: 697013
Amount: 0.942395
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 696928
Amount: 0.971476
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:07:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

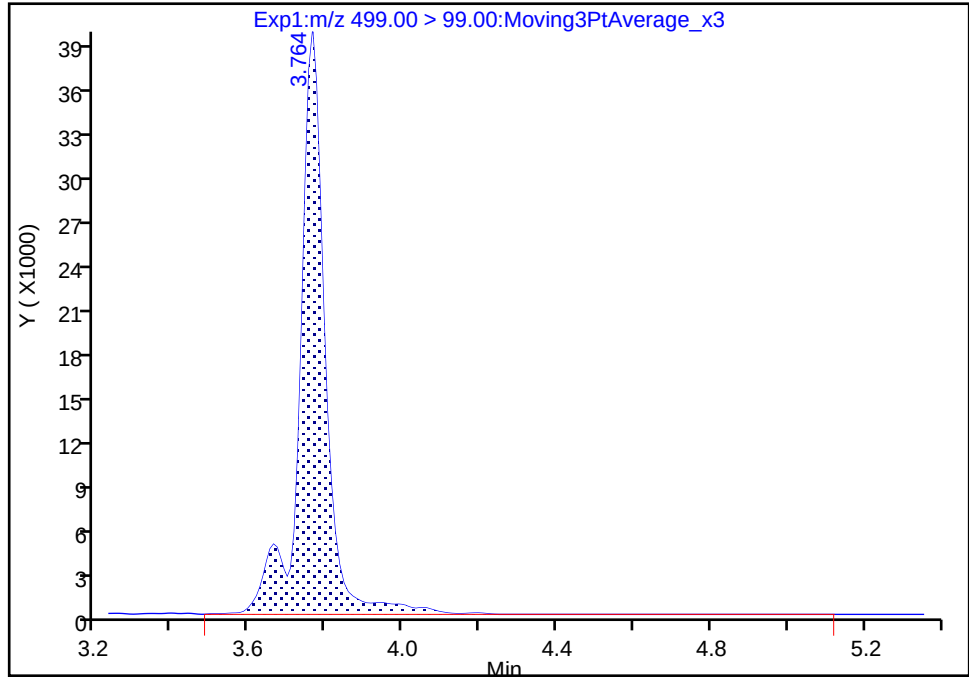
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

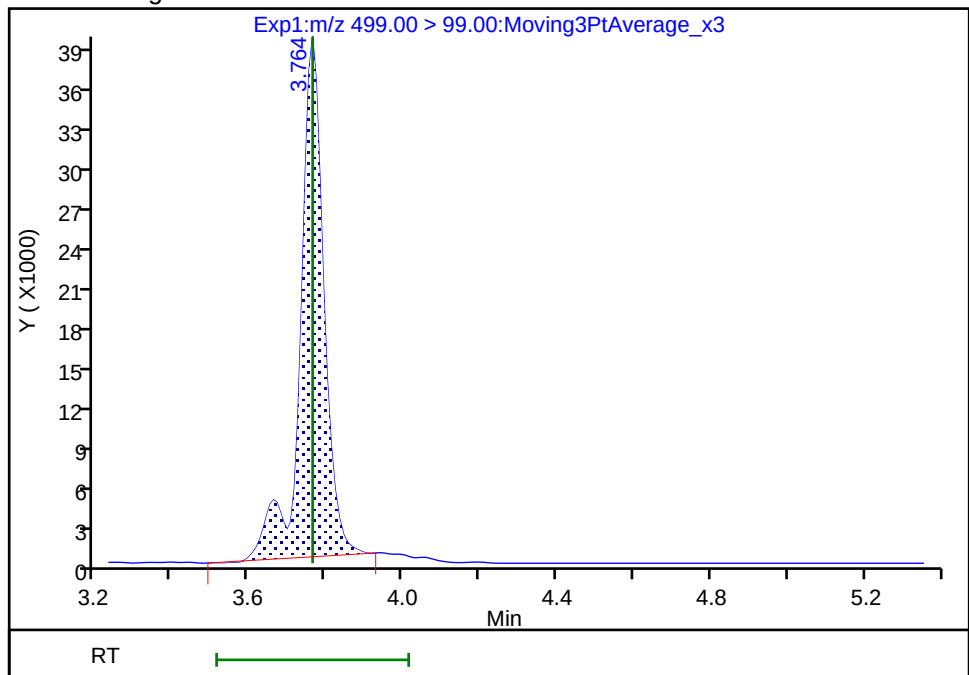
RT: 3.76
Area: 184243
Amount: 0.869089
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 167691
Amount: 0.869962
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:07:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

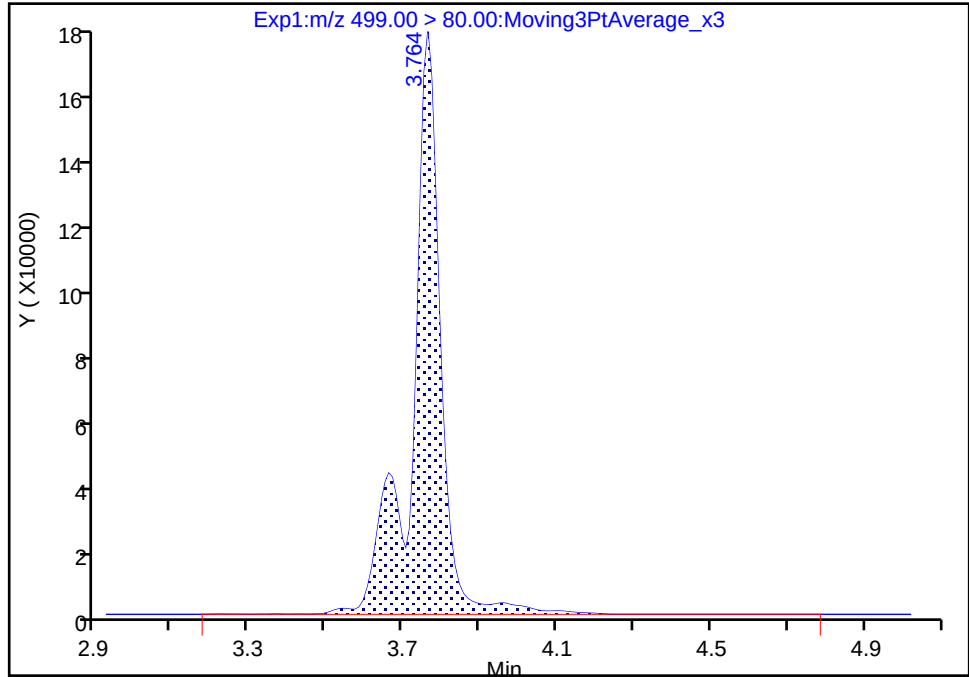
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

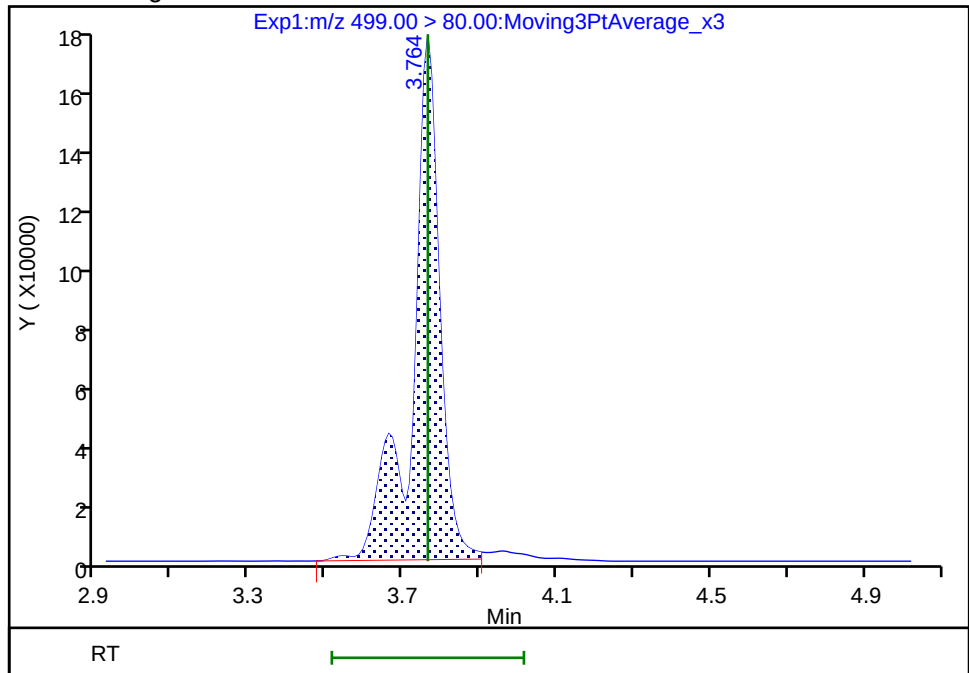
RT: 3.76
Area: 896764
Amount: 0.869089
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 856526
Amount: 0.869962
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:09:54

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

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12/27/2022

2:52 PM

Eurofins Burlington

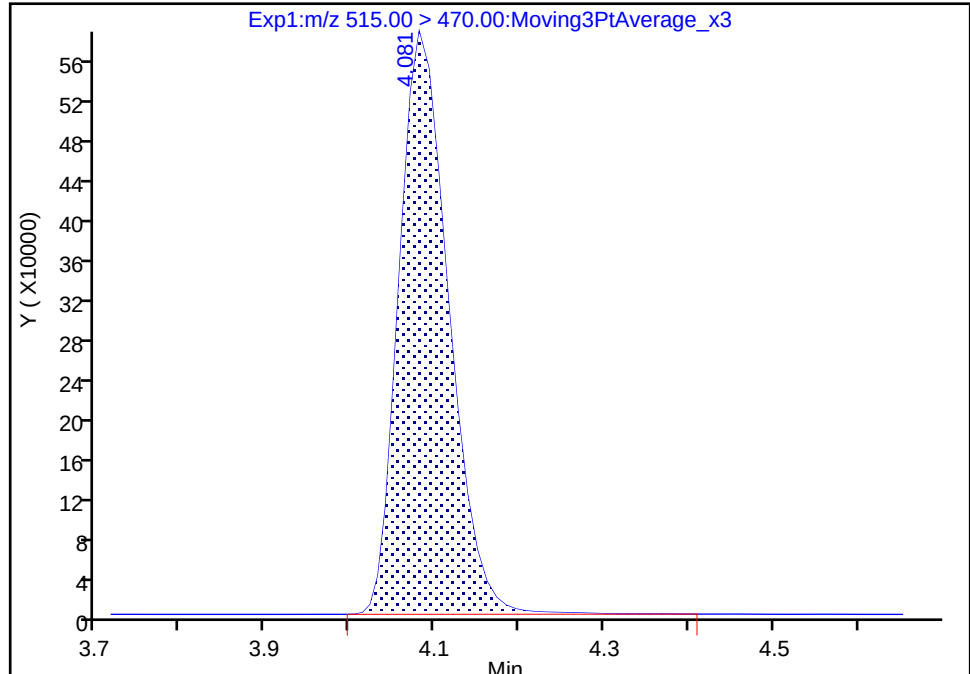
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

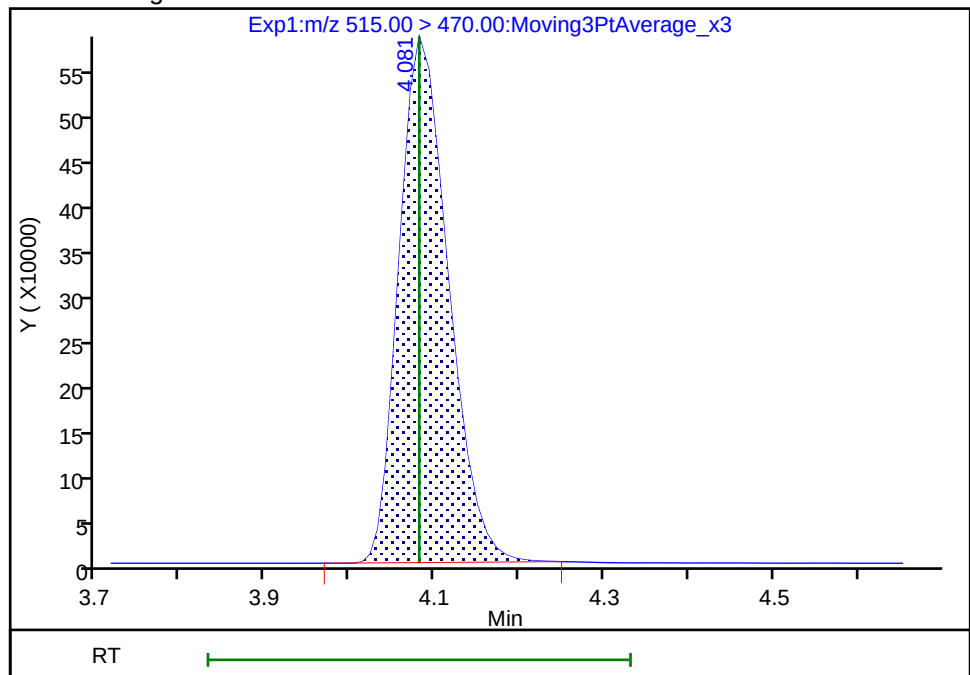
RT: 4.08
Area: 2402943
Amount: 1.278353
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:07:21
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

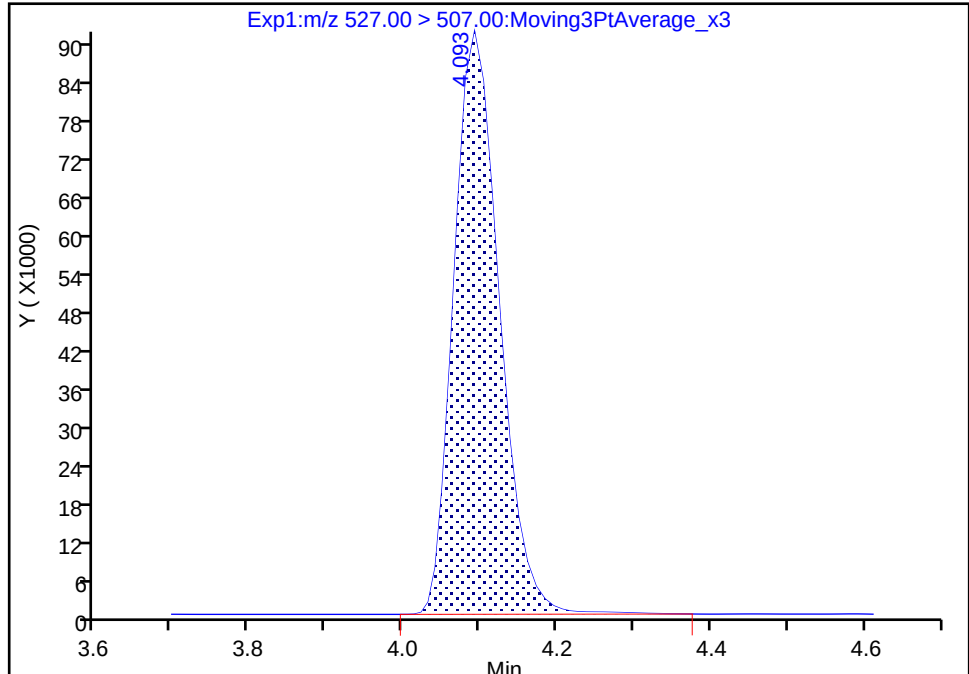
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

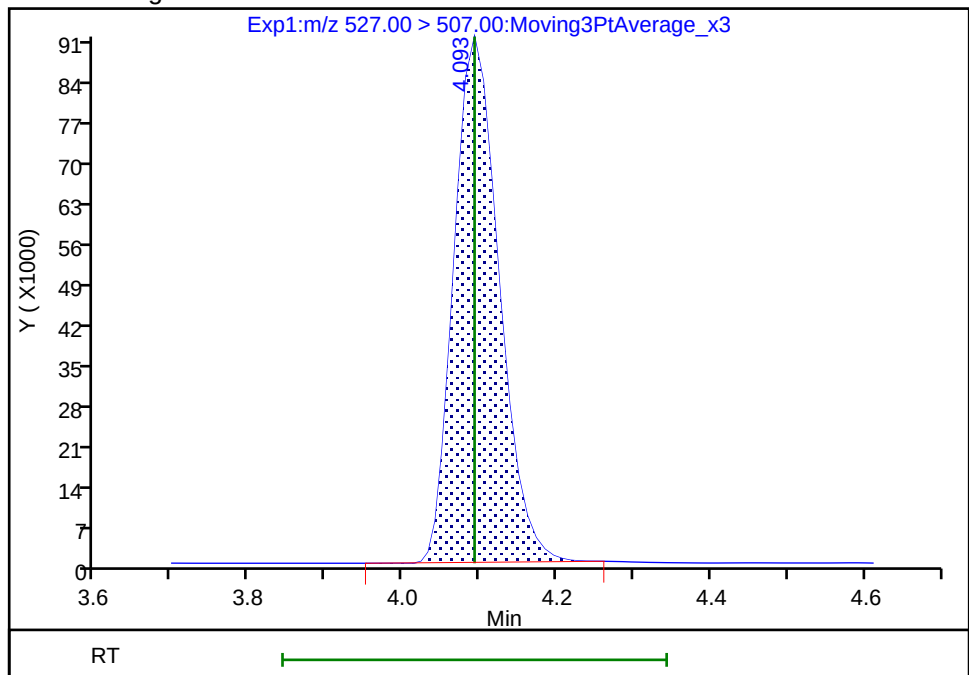
RT: 4.09
Area: 374620
Amount: 0.906768
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 370895
Amount: 0.914804
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:07:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

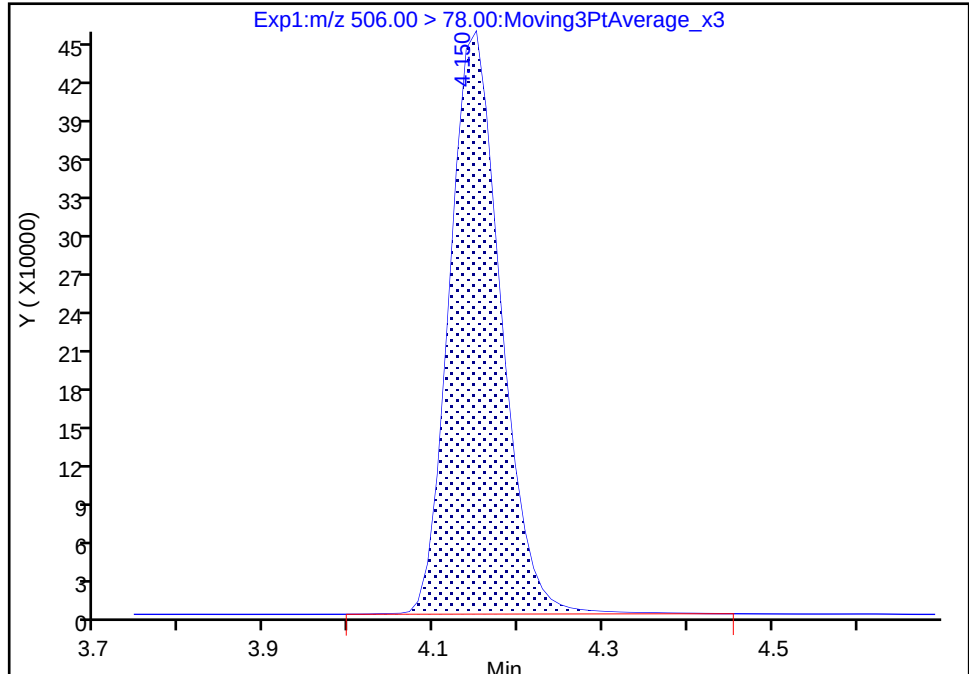
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

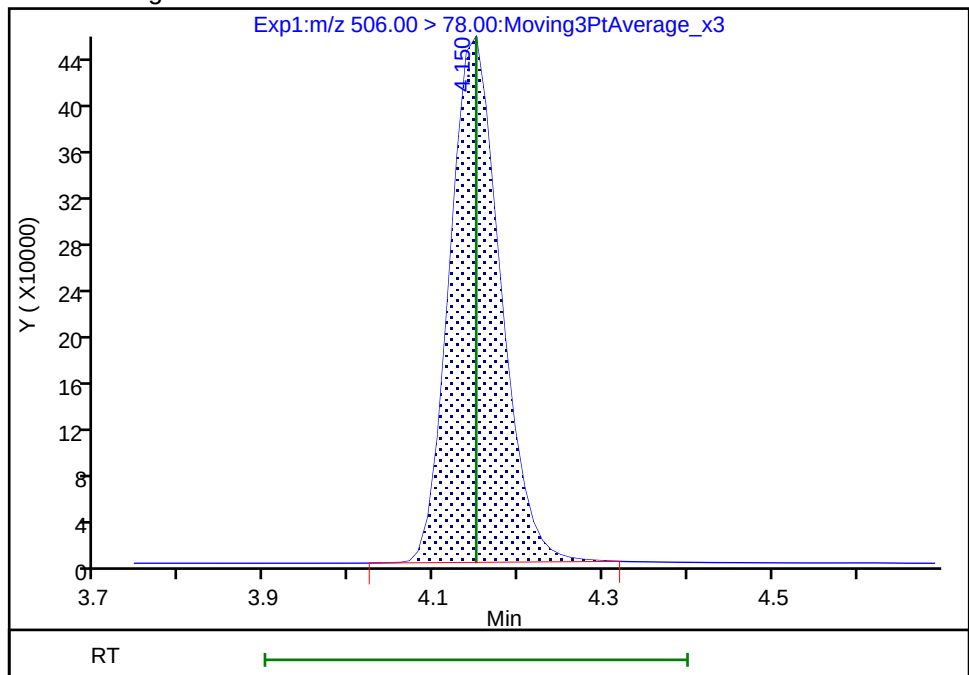
RT: 4.15
Area: 1894765
Amount: 1.237228
Amount Units: ng/ml

Processing Integration Results



RT: 4.15
Area: 1879604
Amount: 1.201614
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:07:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

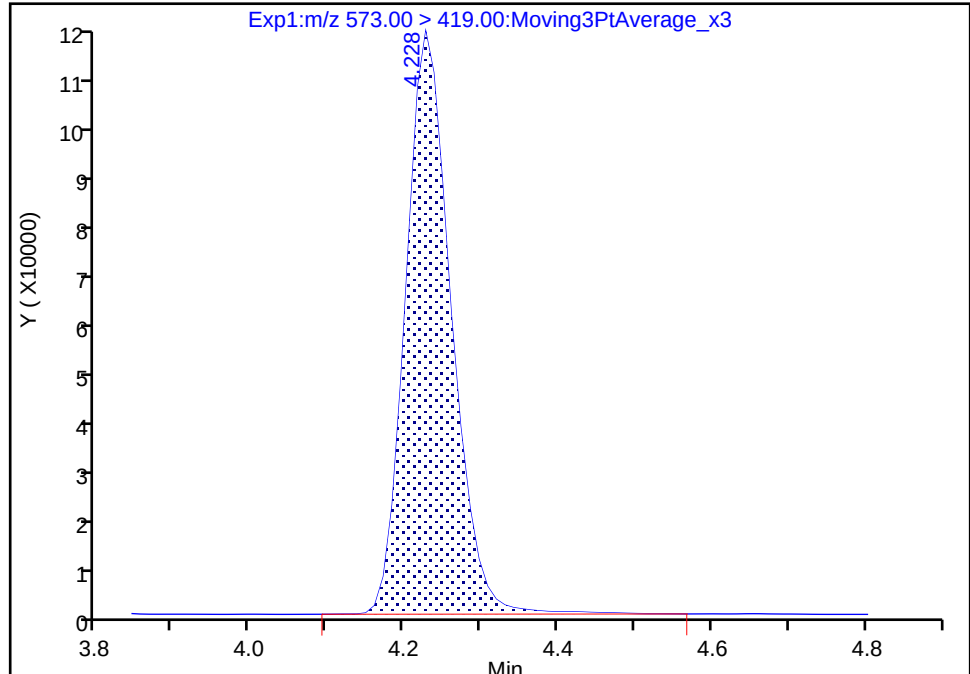
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

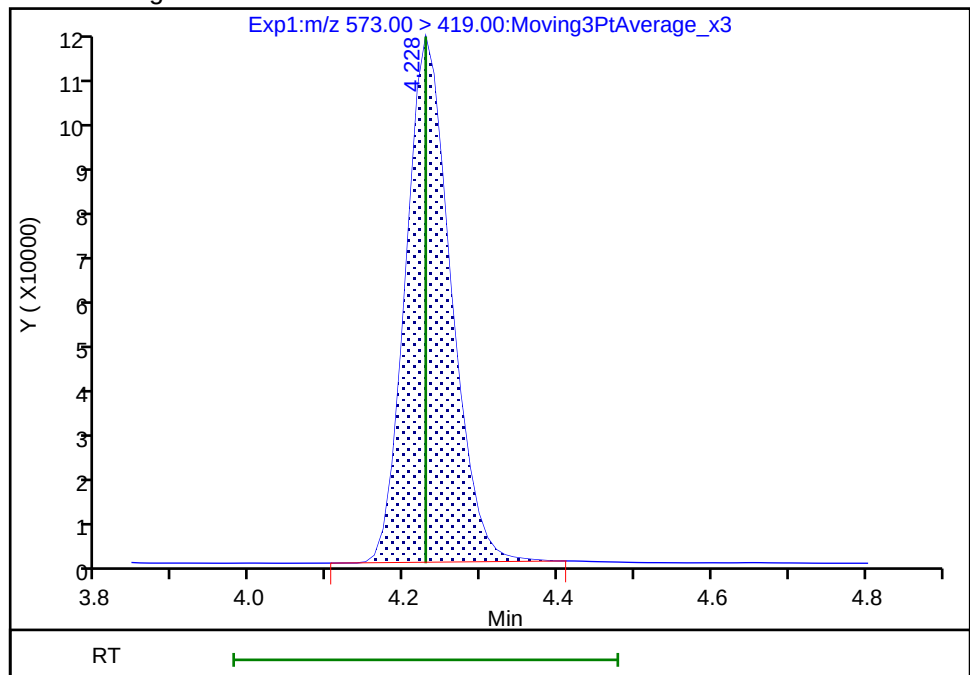
RT: 4.23
Area: 475916
Amount: 1.264715
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 470154
Amount: 1.210231
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:07:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

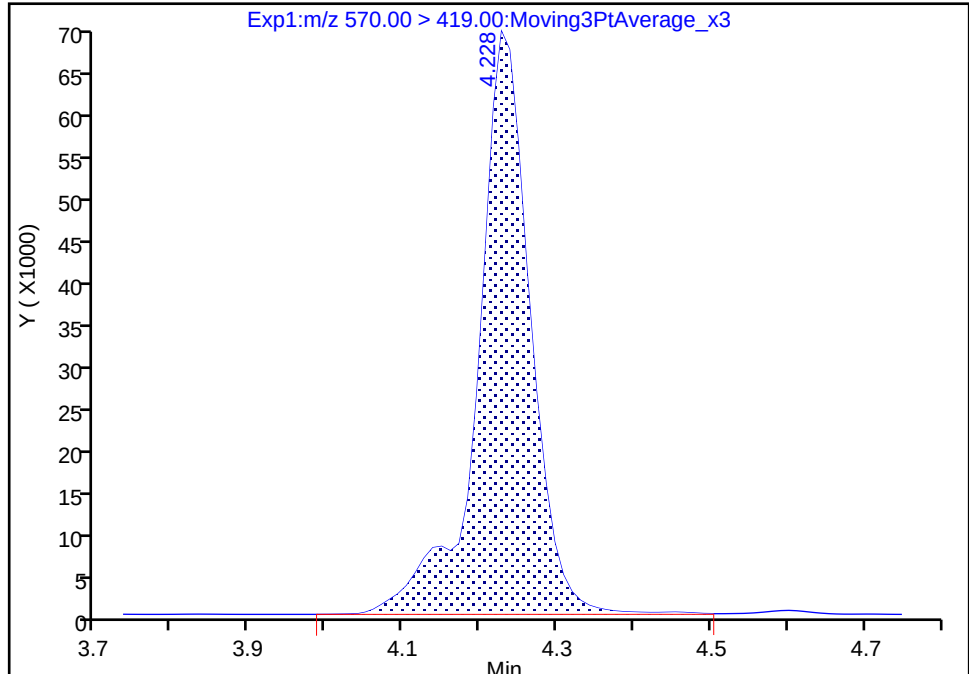
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

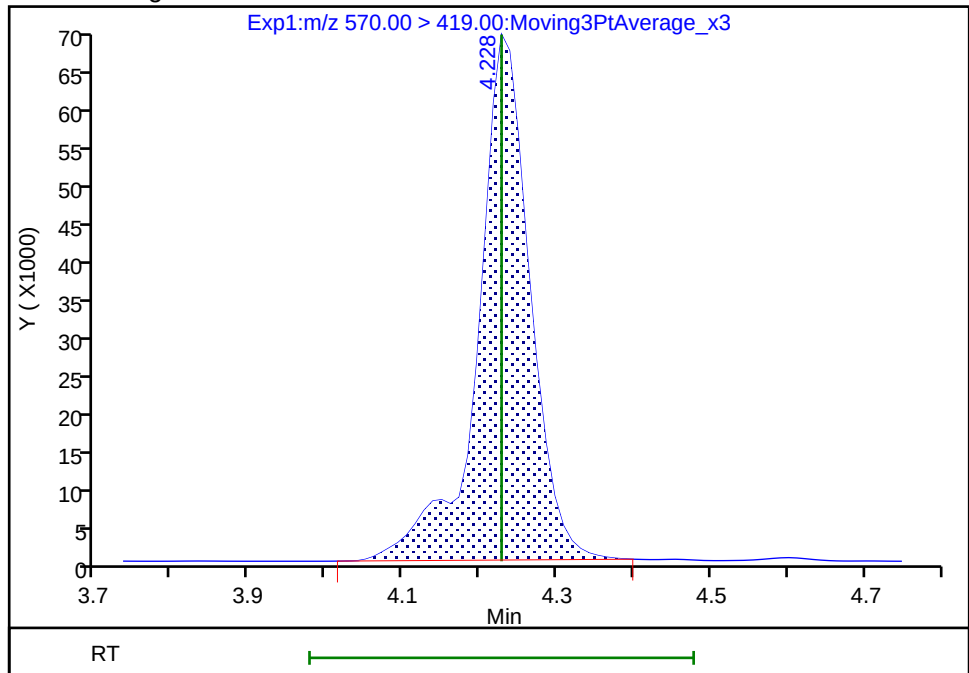
RT: 4.23
Area: 329390
Amount: 0.922352
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 324897
Amount: 0.992512
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:07:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

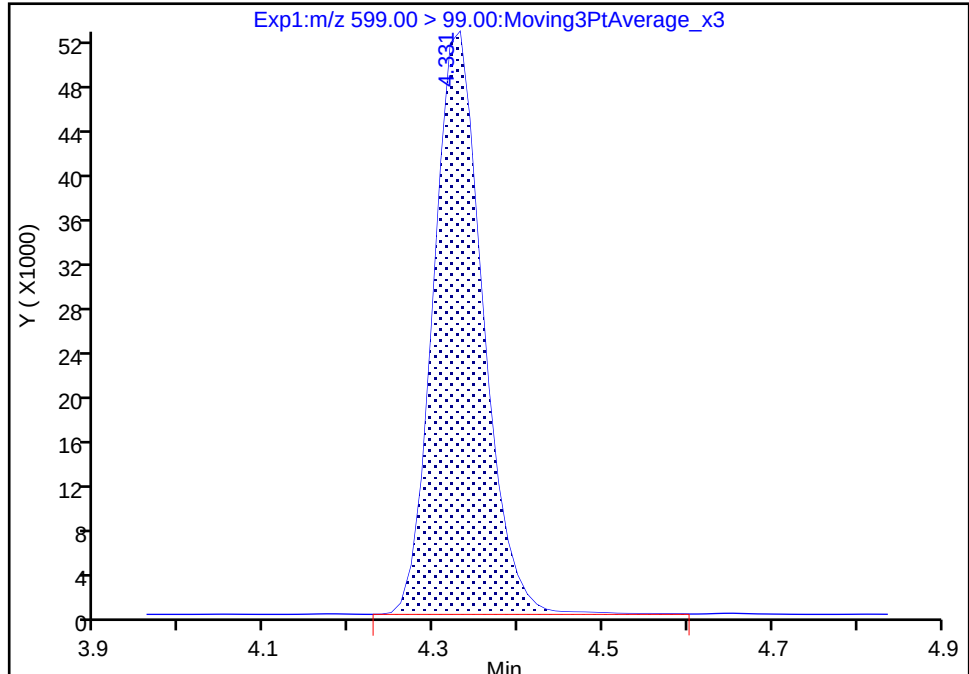
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

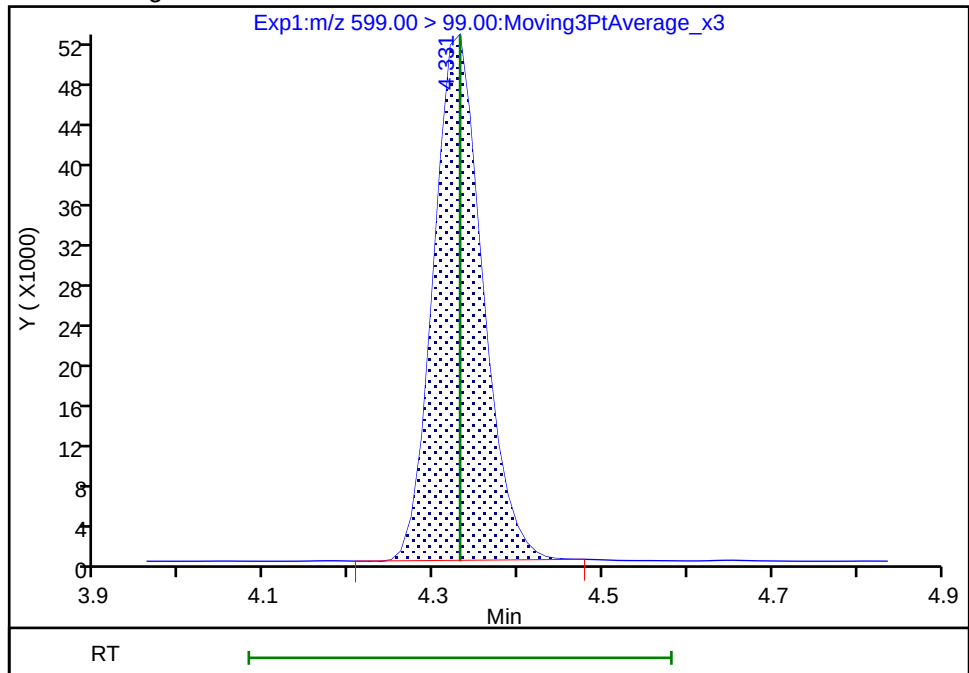
RT: 4.33
Area: 213157
Amount: 0.885111
Amount Units: ng/ml

Processing Integration Results



RT: 4.33
Area: 210859
Amount: 0.900485
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:07:55
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

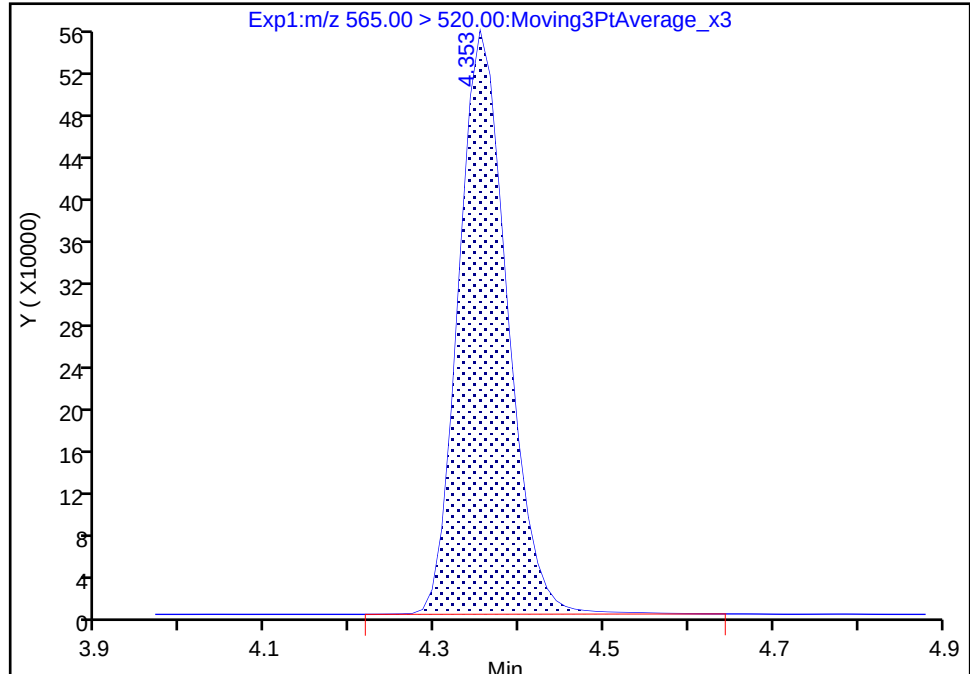
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

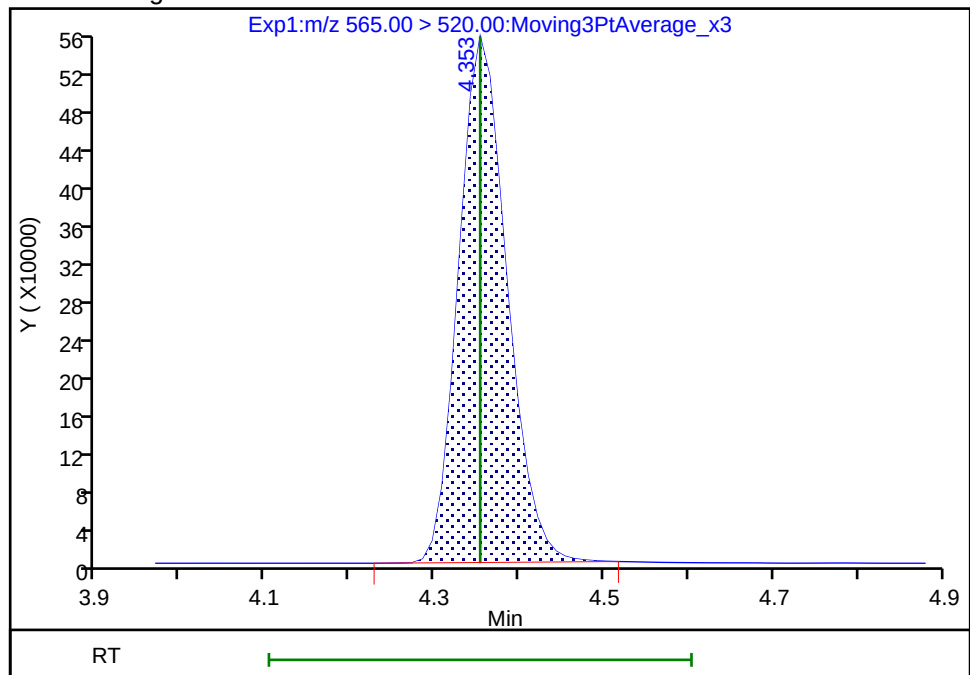
RT: 4.35
Area: 2200966
Amount: 1.263353
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 2183949
Amount: 1.250019
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:08:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

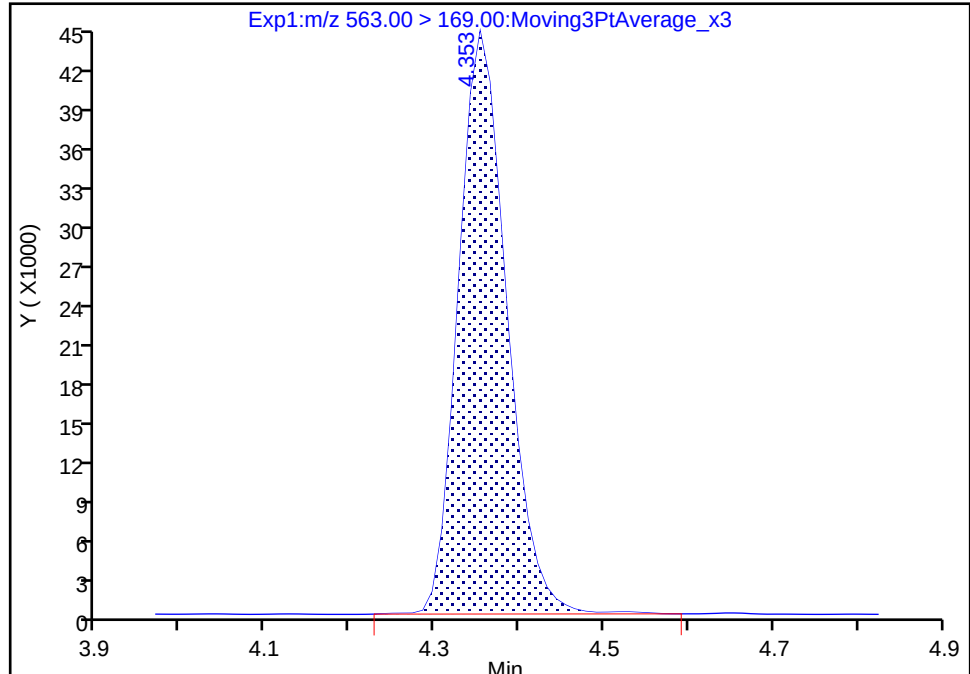
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

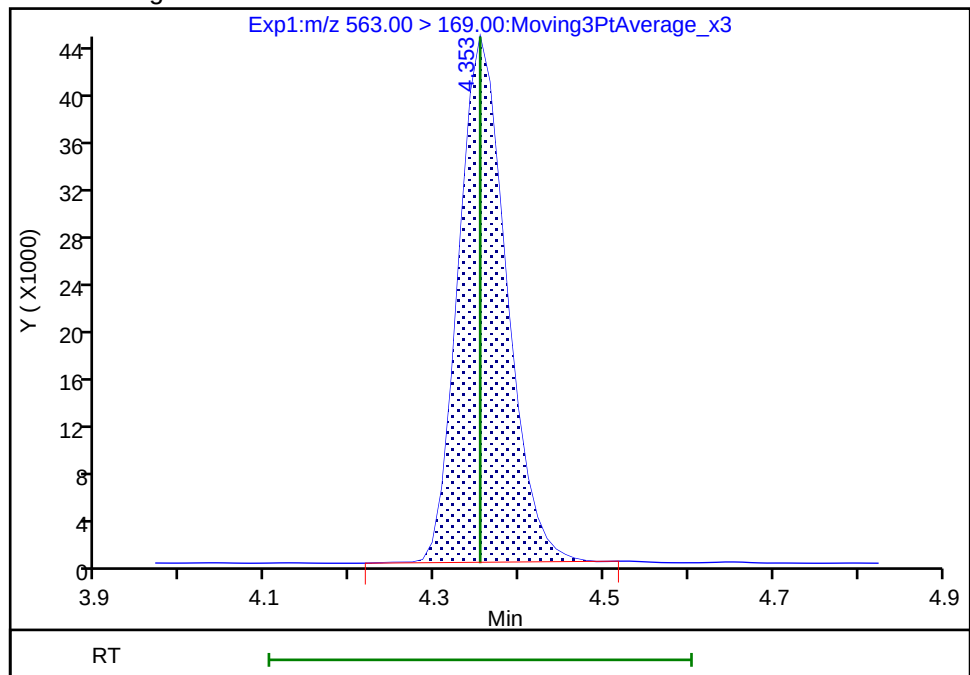
RT: 4.35
Area: 174513
Amount: 0.928435
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 173100
Amount: 0.971351
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:08:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

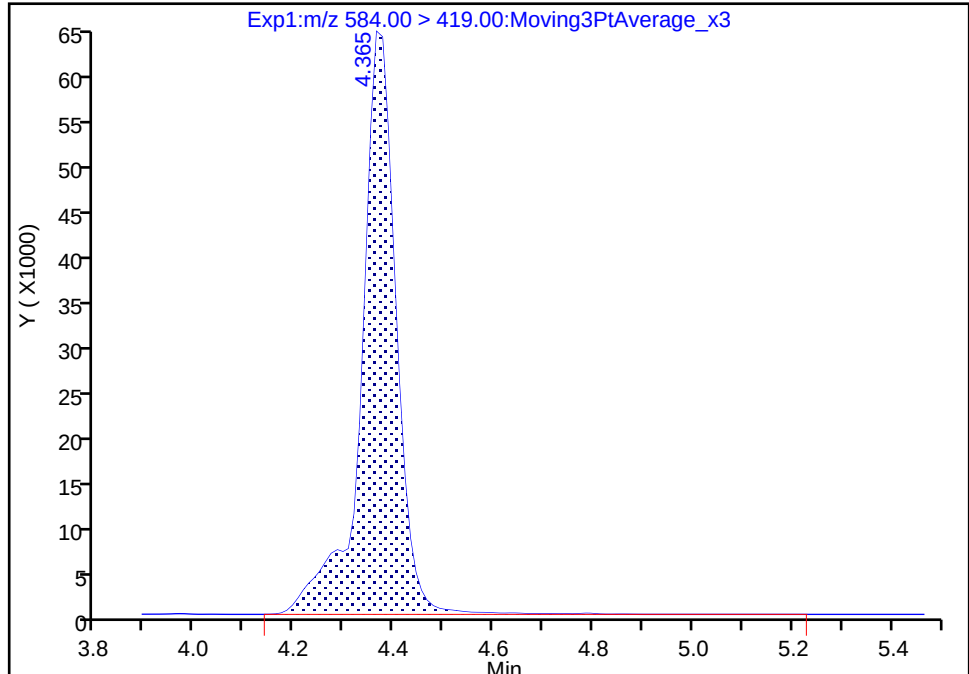
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

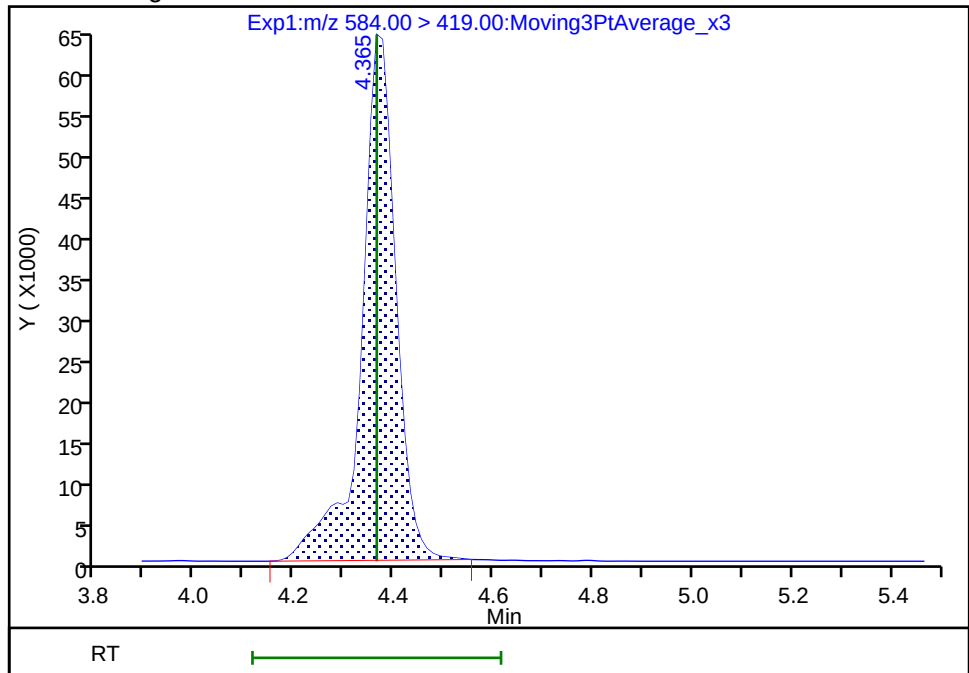
RT: 4.36
Area: 315423
Amount: 0.928970
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 311108
Amount: 0.943580
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:08:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

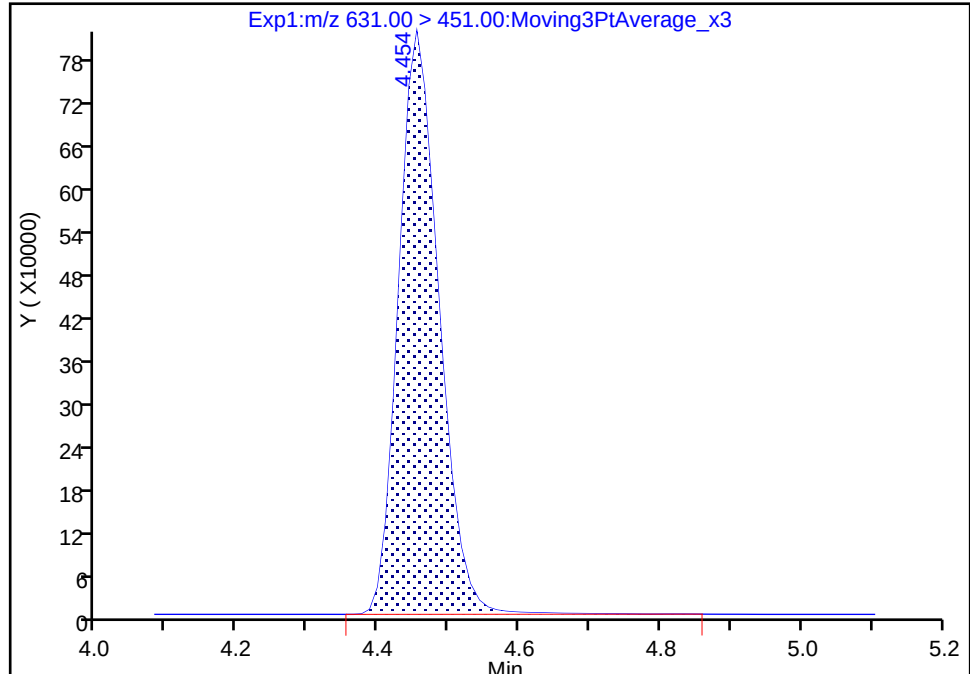
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

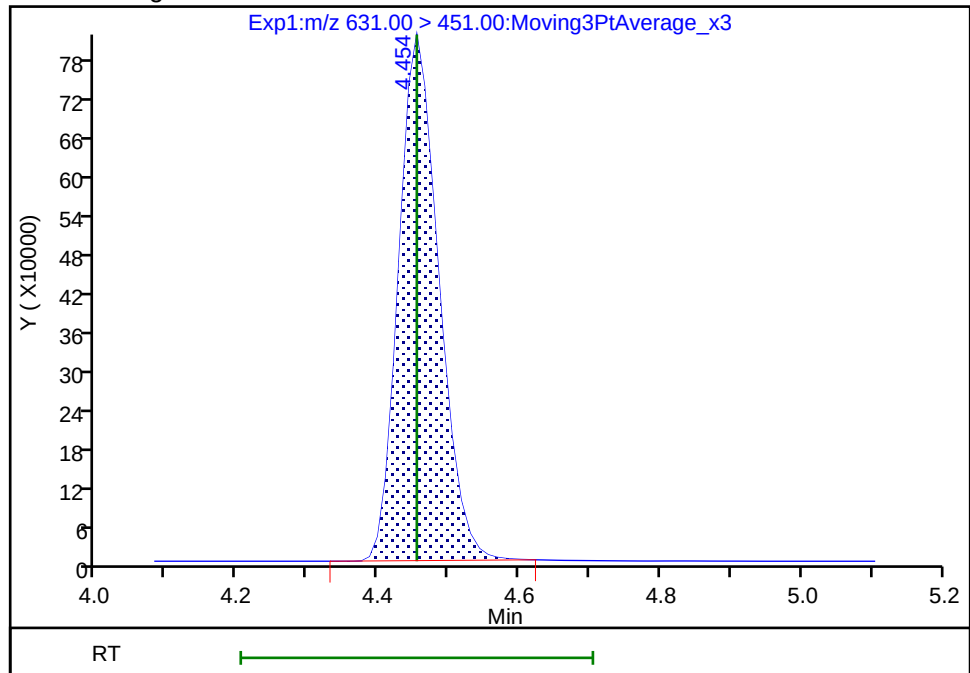
RT: 4.45
Area: 3251099
Amount: 0.891288
Amount Units: ng/ml

Processing Integration Results



RT: 4.45
Area: 3224328
Amount: 0.925659
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:08:21
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

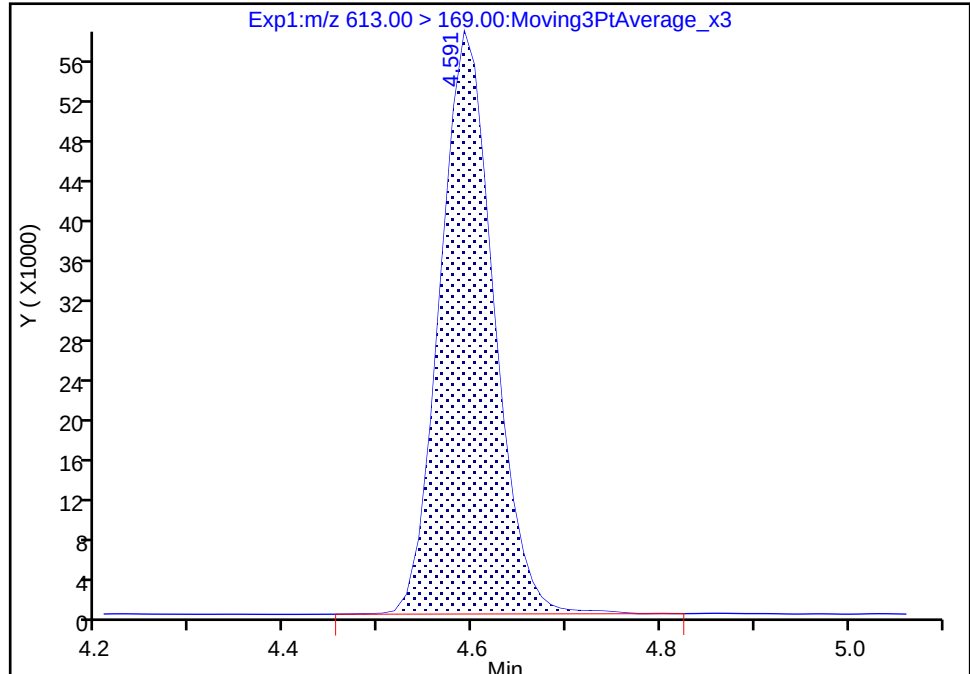
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

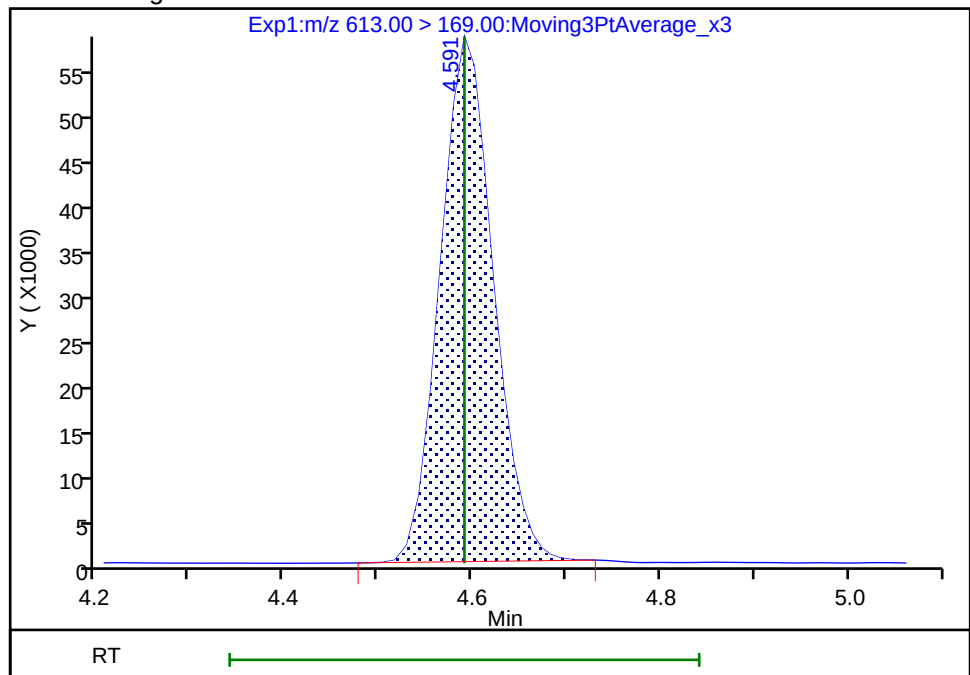
RT: 4.59
Area: 232486
Amount: 0.925204
Amount Units: ng/ml

Processing Integration Results



RT: 4.59
Area: 229653
Amount: 0.974759
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:08:27
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

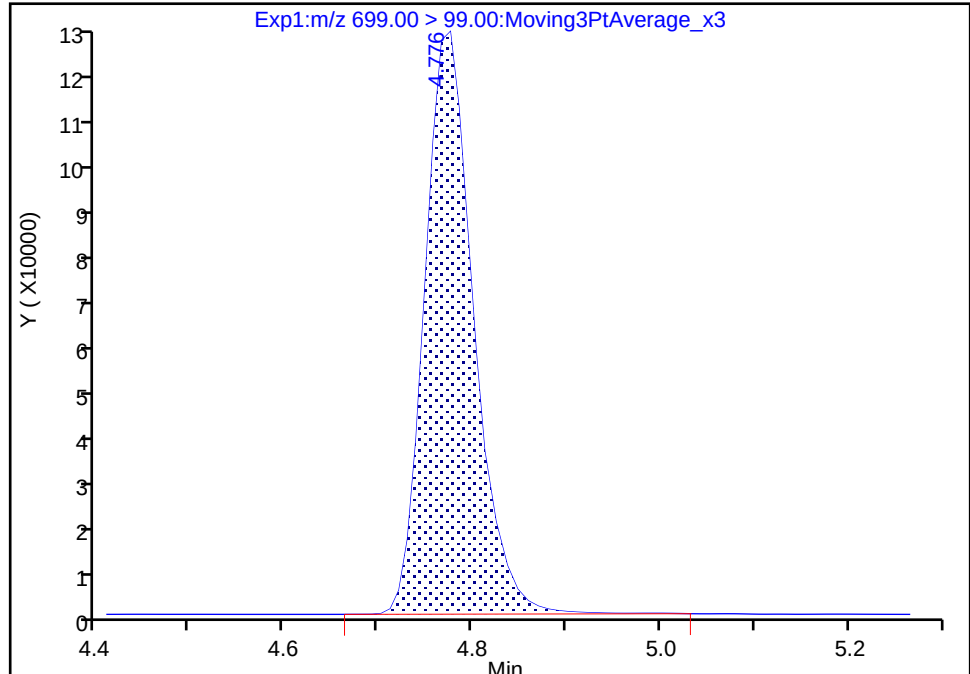
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 2

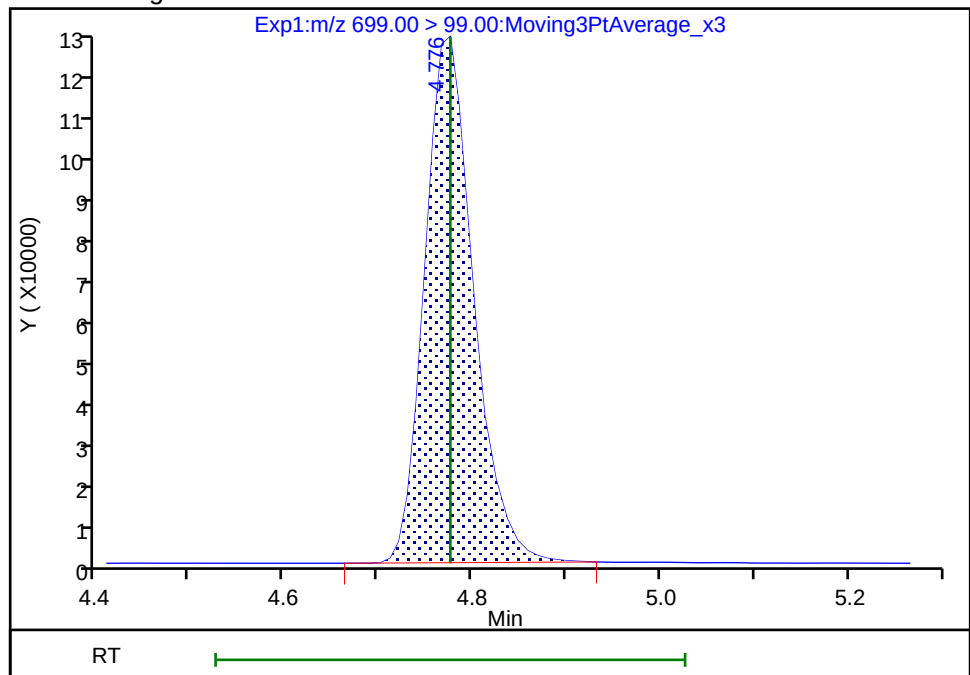
RT: 4.78
Area: 456526
Amount: 0.896225
Amount Units: ng/ml

Processing Integration Results



RT: 4.78
Area: 454220
Amount: 0.922887
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:08:41
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

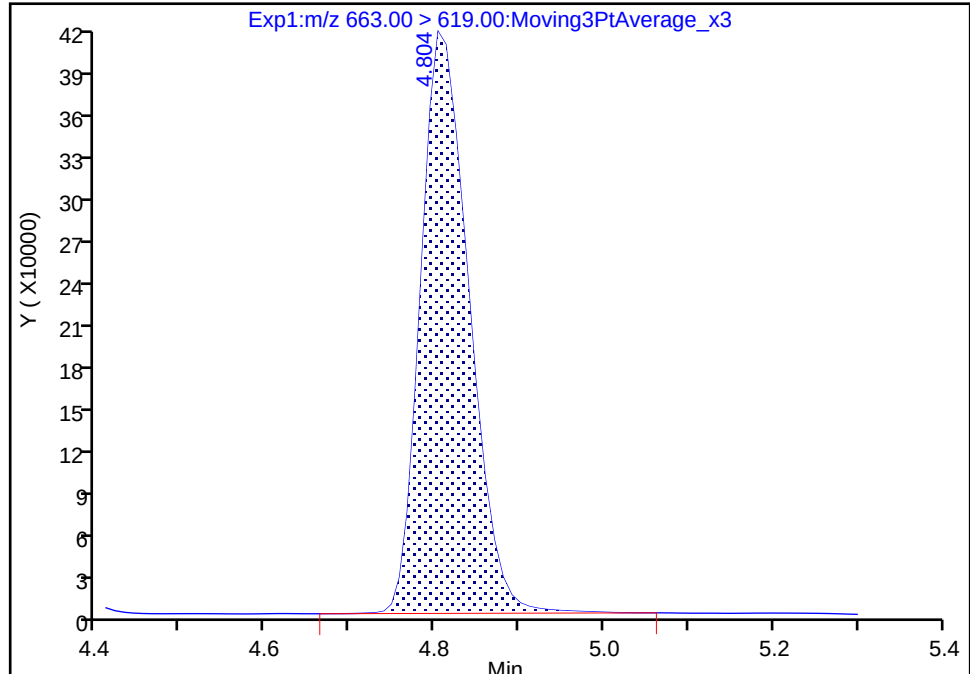
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

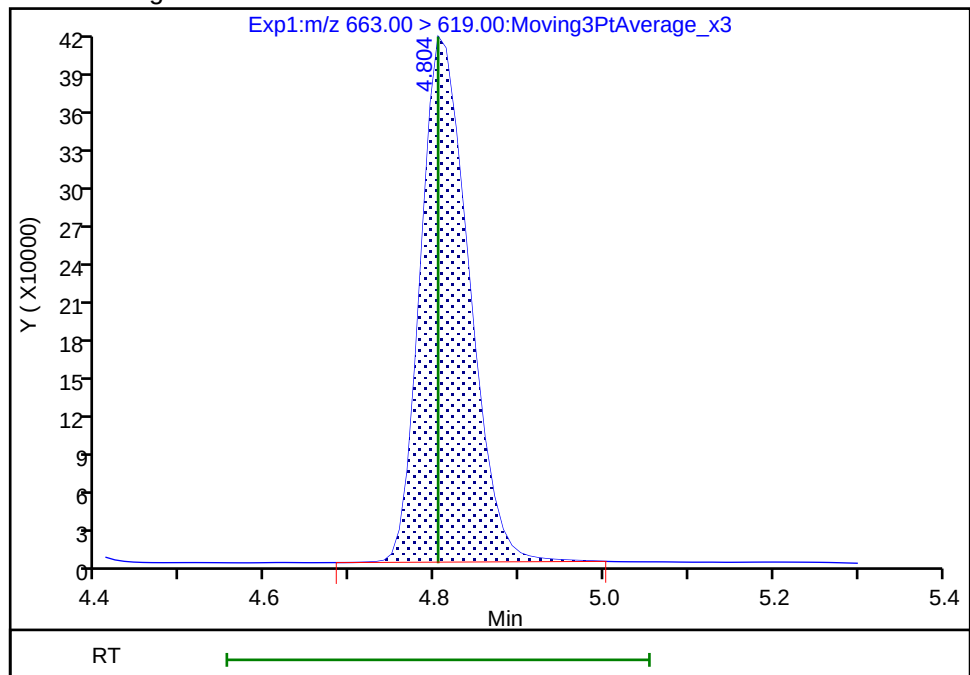
RT: 4.80
Area: 1636646
Amount: 0.895241
Amount Units: ng/ml

Processing Integration Results



RT: 4.80
Area: 1631703
Amount: 0.931504
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:08:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

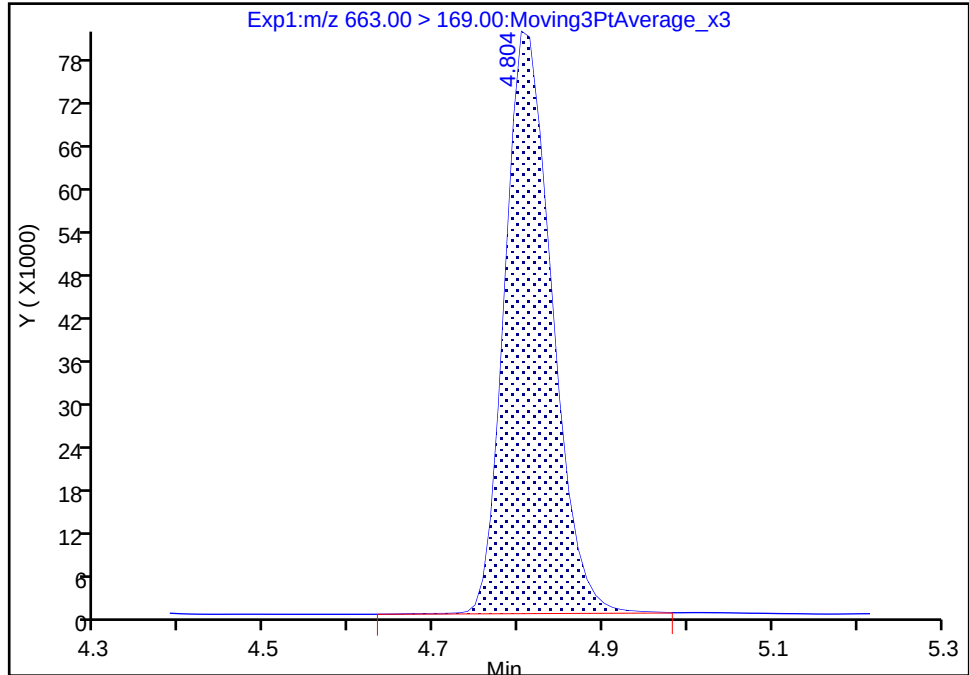
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

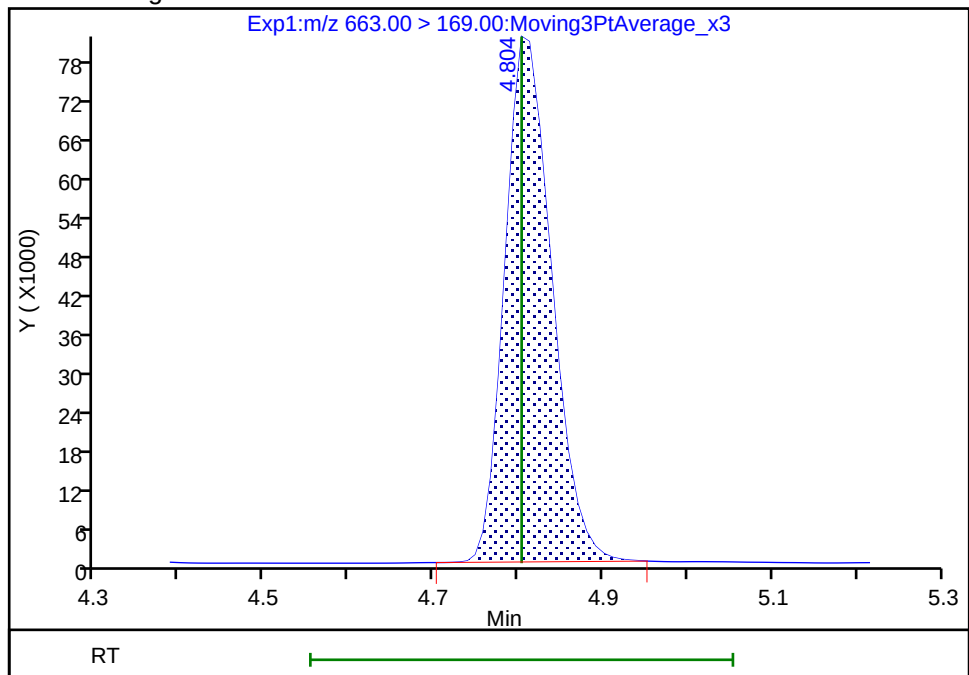
RT: 4.80
Area: 315364
Amount: 0.895241
Amount Units: ng/ml

Processing Integration Results



RT: 4.80
Area: 313474
Amount: 0.931504
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:08:50

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

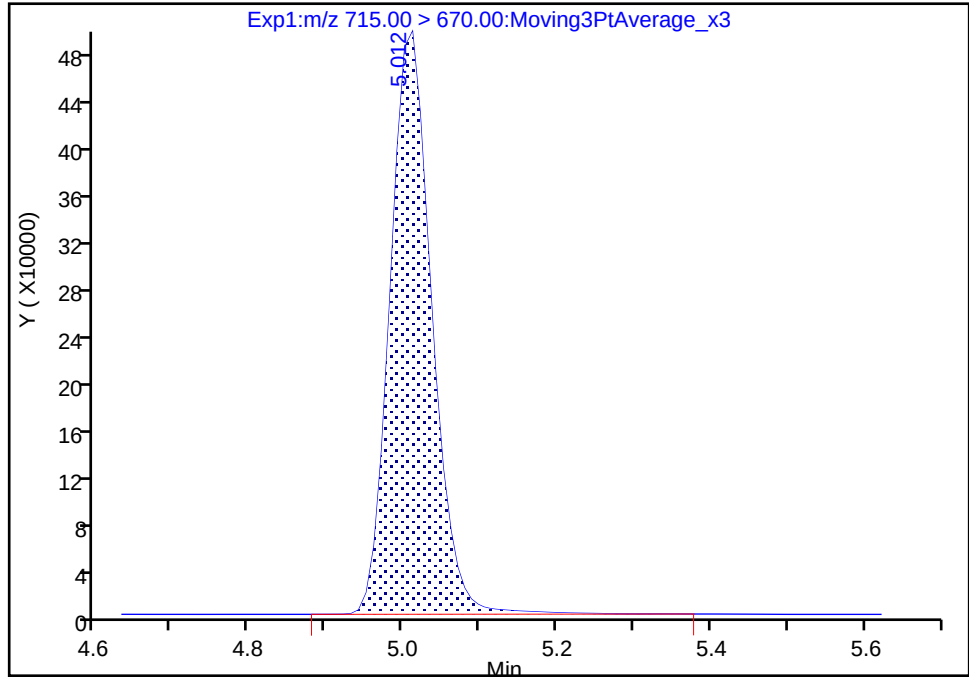
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

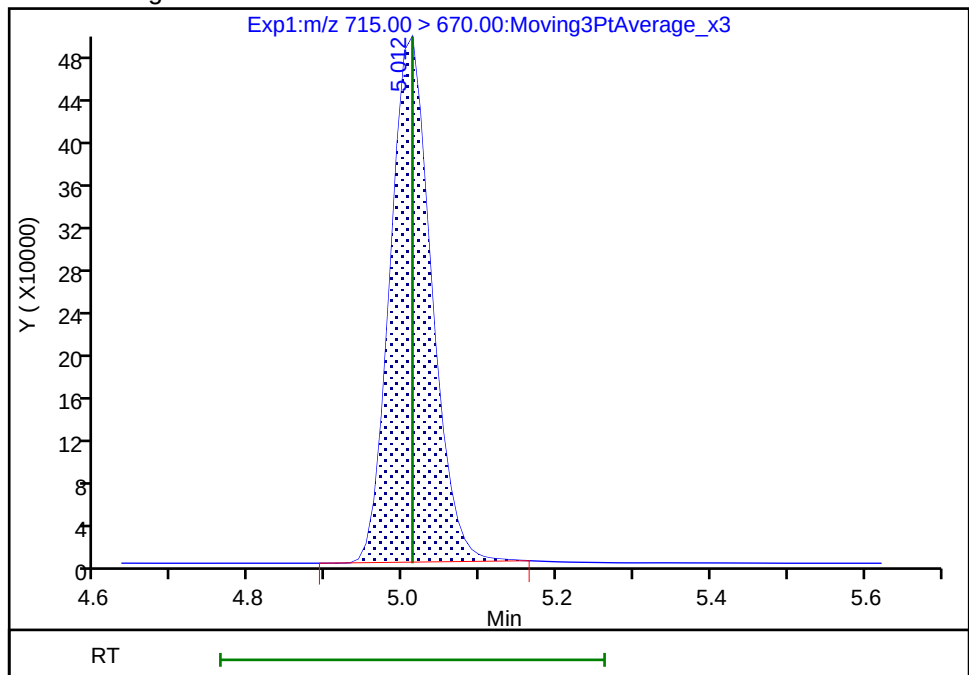
RT: 5.01
Area: 1869315
Amount: 1.228467
Amount Units: ng/ml

Processing Integration Results



RT: 5.01
Area: 1844360
Amount: 1.197970
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:08:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

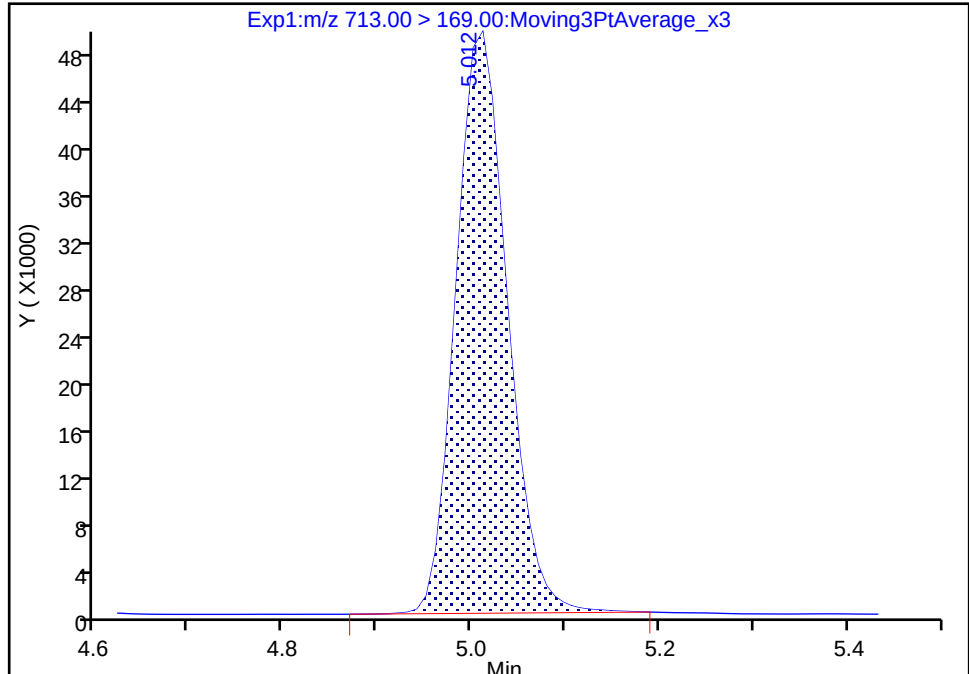
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

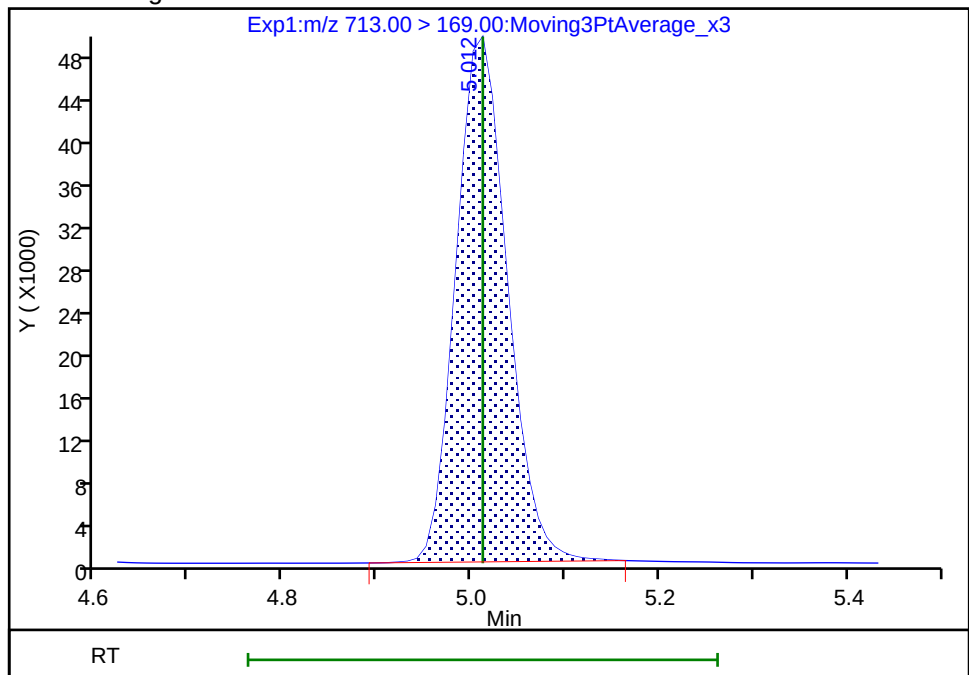
RT: 5.01
Area: 189104
Amount: 0.906114
Amount Units: ng/ml

Processing Integration Results



RT: 5.01
Area: 188468
Amount: 0.933022
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:09:01
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

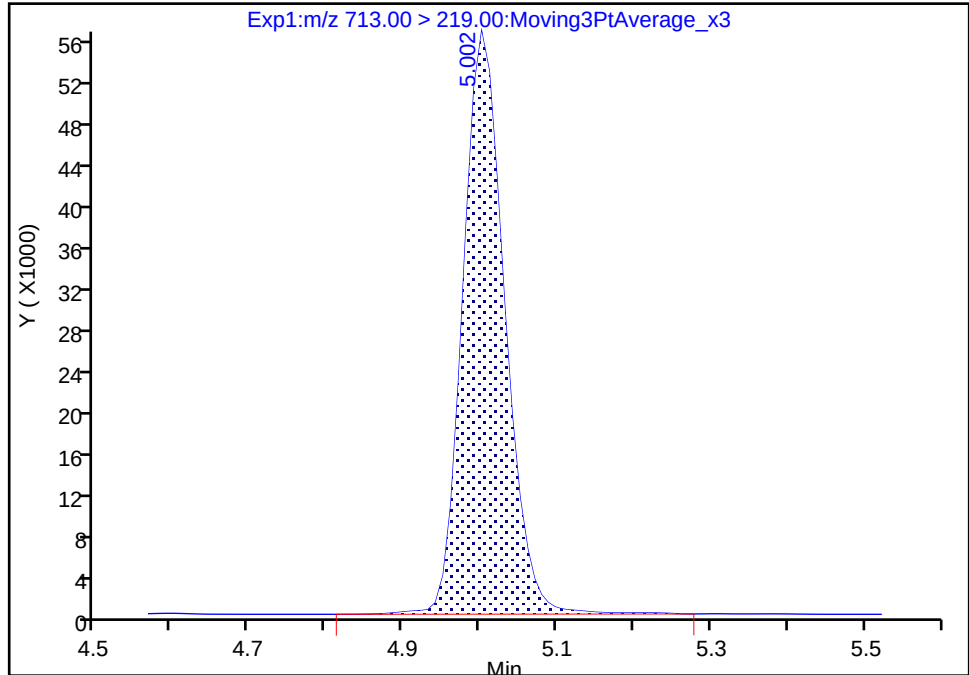
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

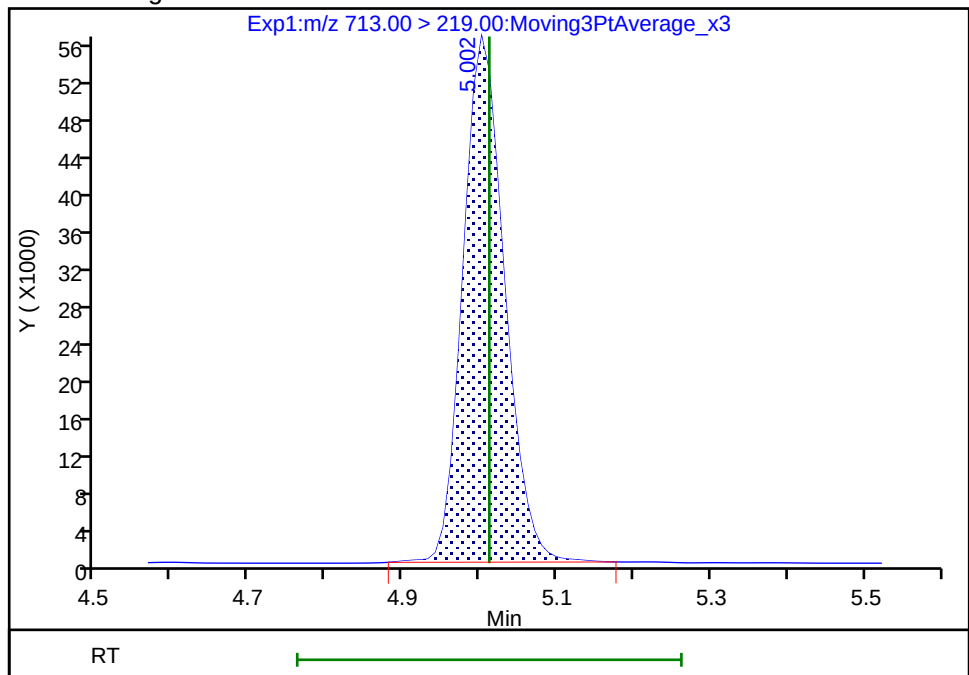
RT: 5.00
Area: 214481
Amount: 0.906114
Amount Units: ng/ml

Processing Integration Results



RT: 5.00
Area: 212234
Amount: 0.933022
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:09:04

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

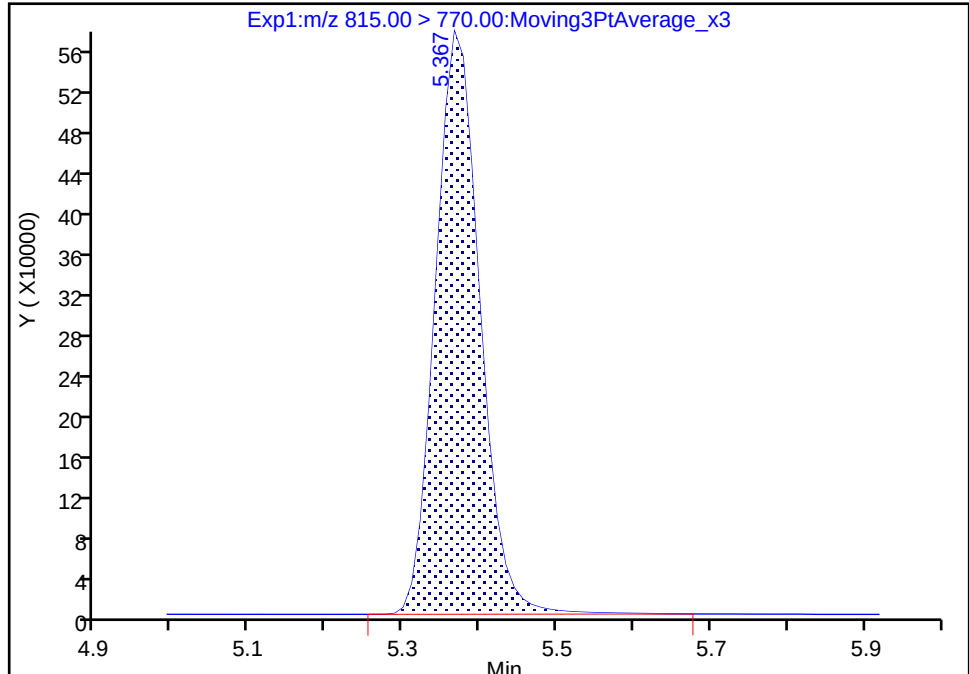
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

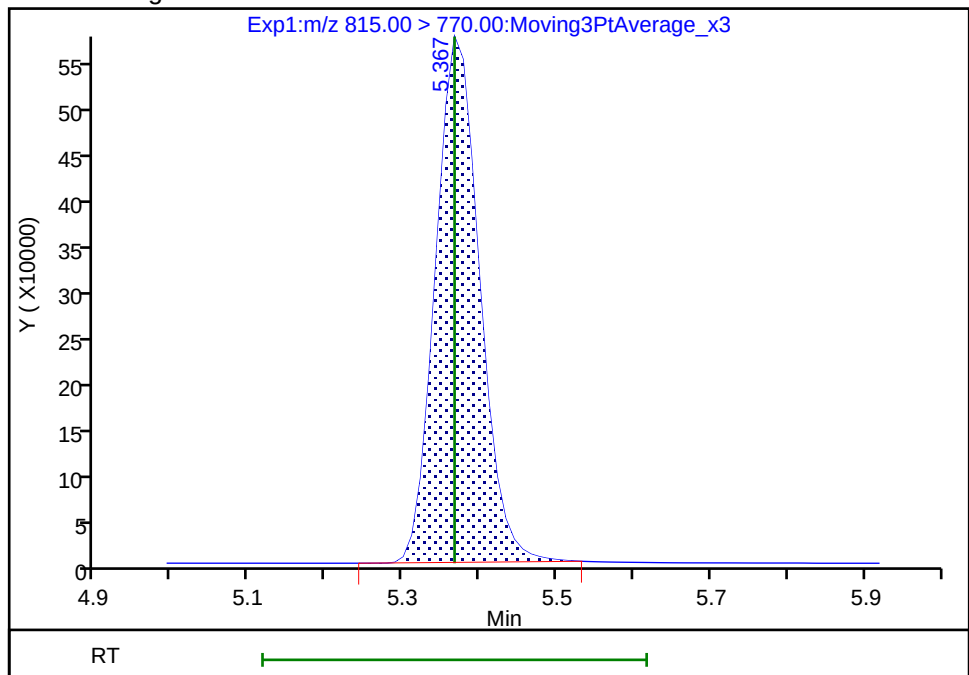
RT: 5.37
Area: 2303023
Amount: 1.224939
Amount Units: ng/ml

Processing Integration Results



RT: 5.37
Area: 2280992
Amount: 1.198419
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:09:10
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

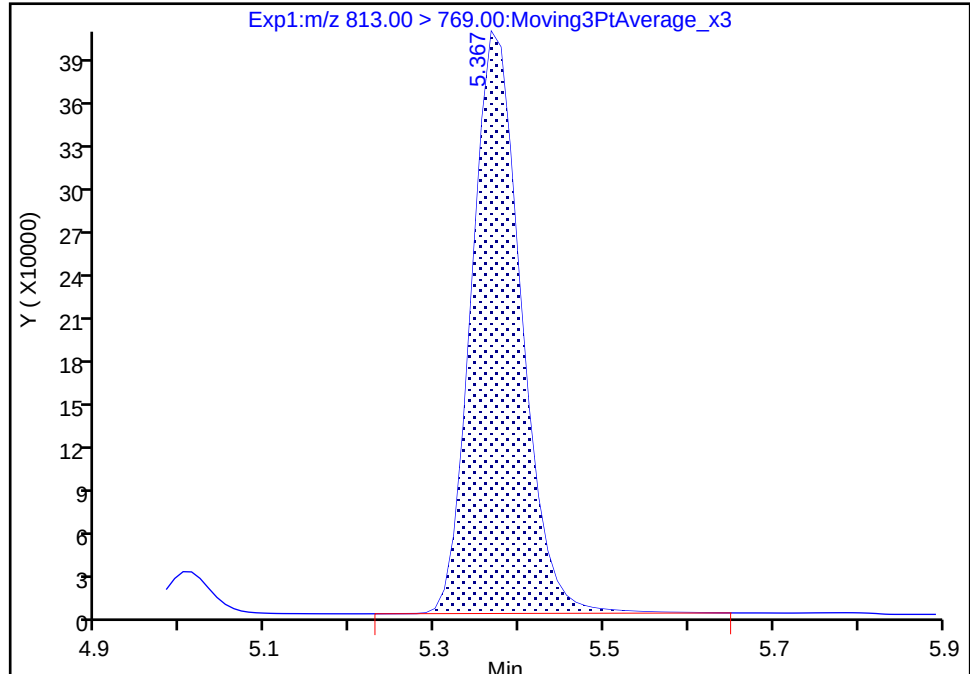
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

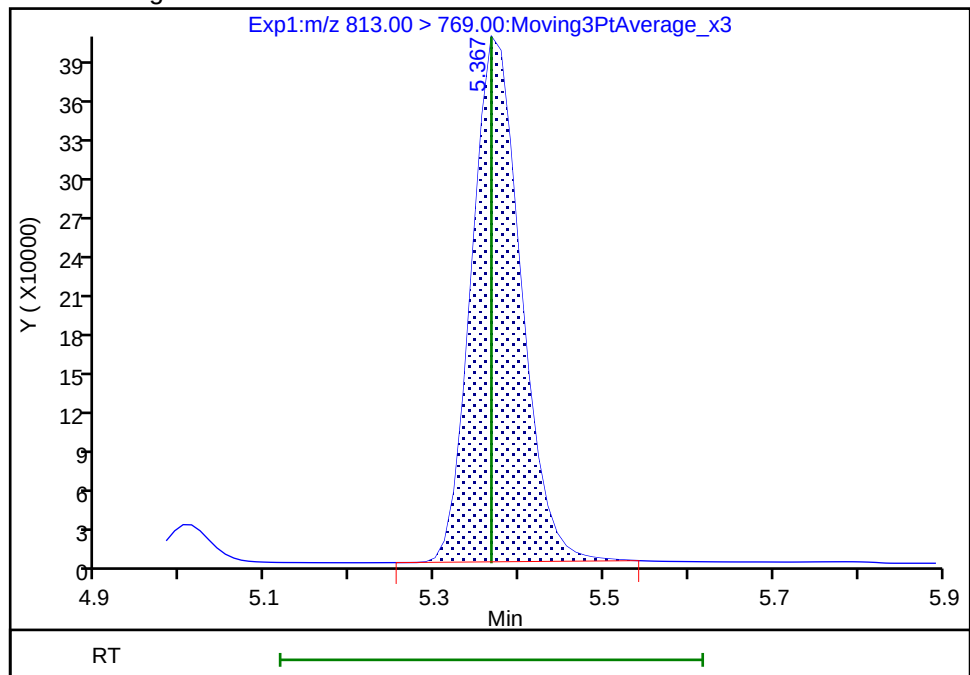
RT: 5.37
Area: 1646621
Amount: 0.957003
Amount Units: ng/ml

Processing Integration Results



RT: 5.37
Area: 1633724
Amount: 0.956588
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:09:14
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

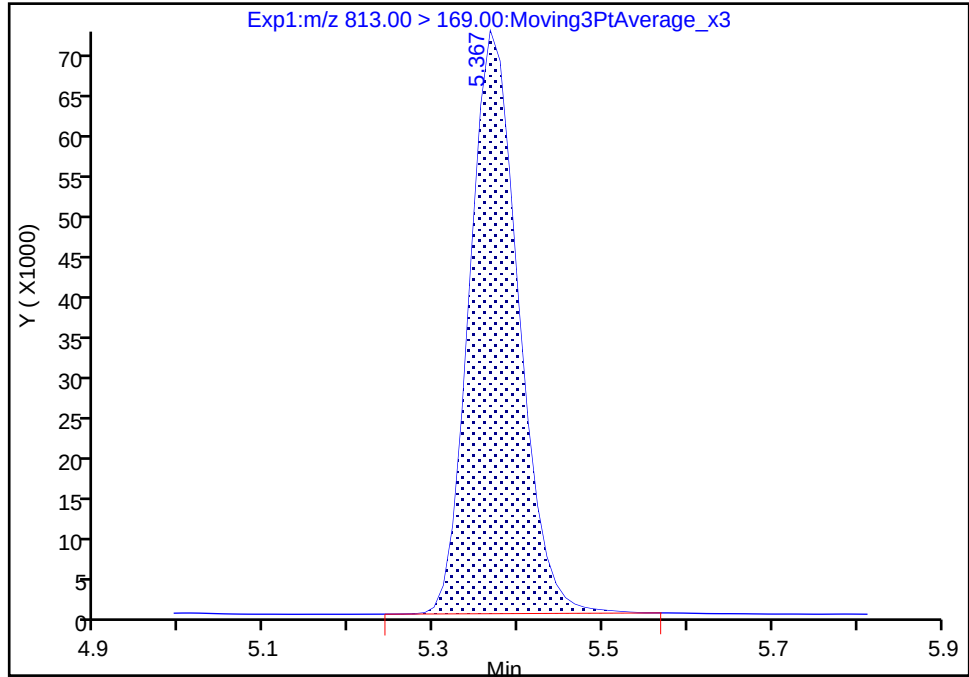
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

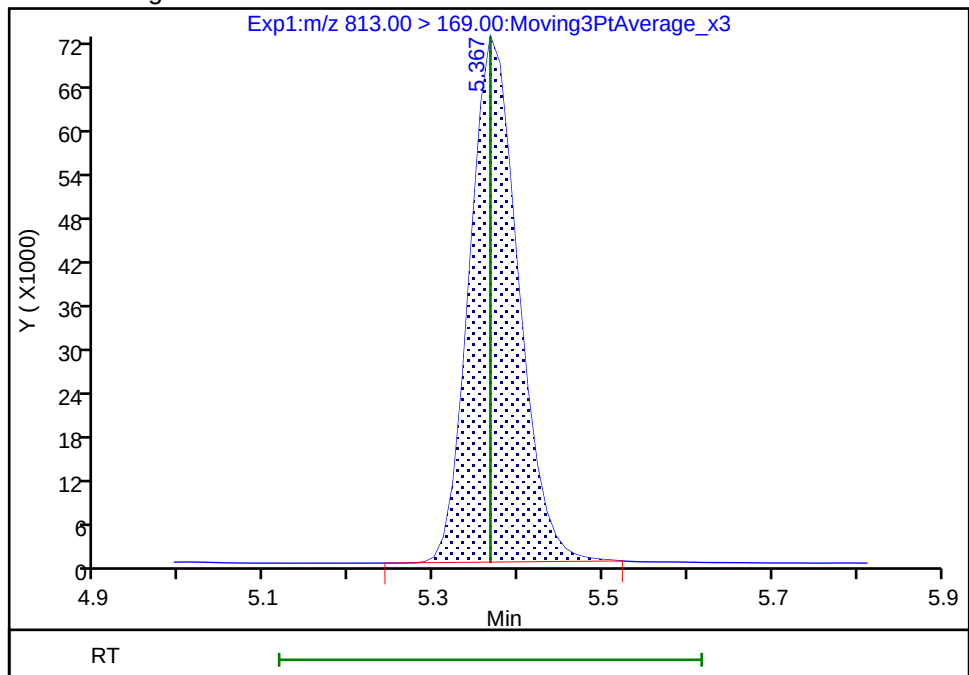
RT: 5.37
Area: 290873
Amount: 0.957003
Amount Units: ng/ml

Processing Integration Results



RT: 5.37
Area: 289352
Amount: 0.956588
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:09:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

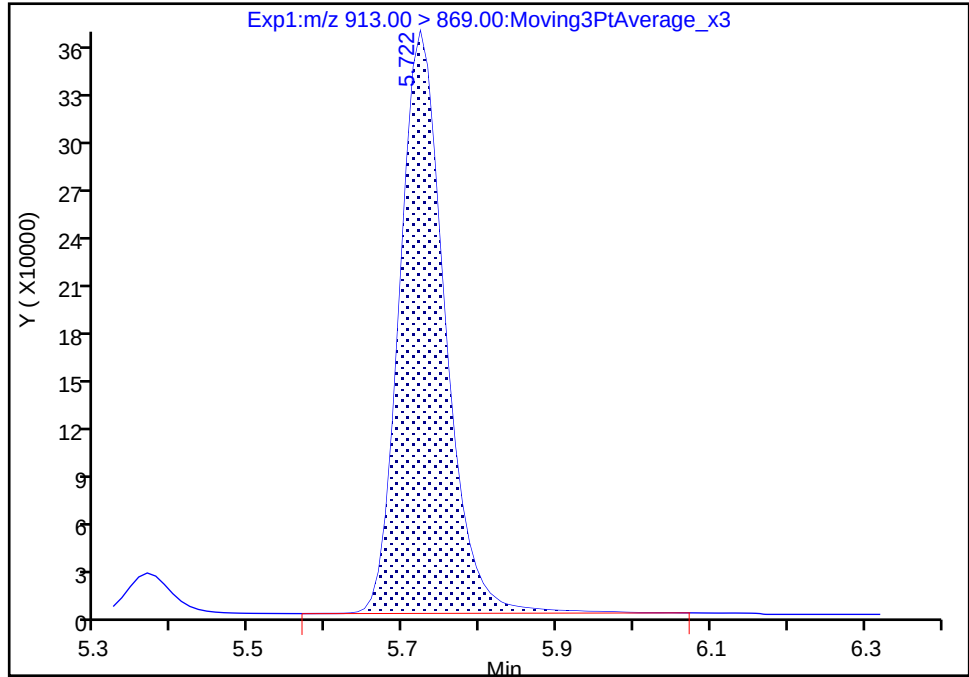
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

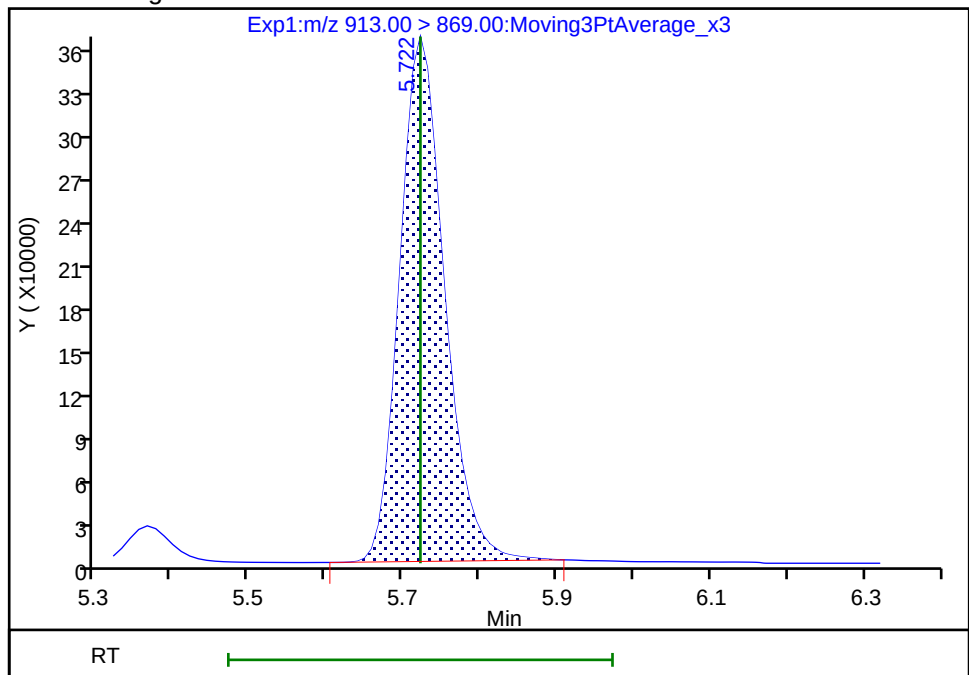
RT: 5.72
Area: 1494015
Amount: 0.963448
Amount Units: ng/ml

Processing Integration Results



RT: 5.72
Area: 1473641
Amount: 0.980547
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:09:25
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

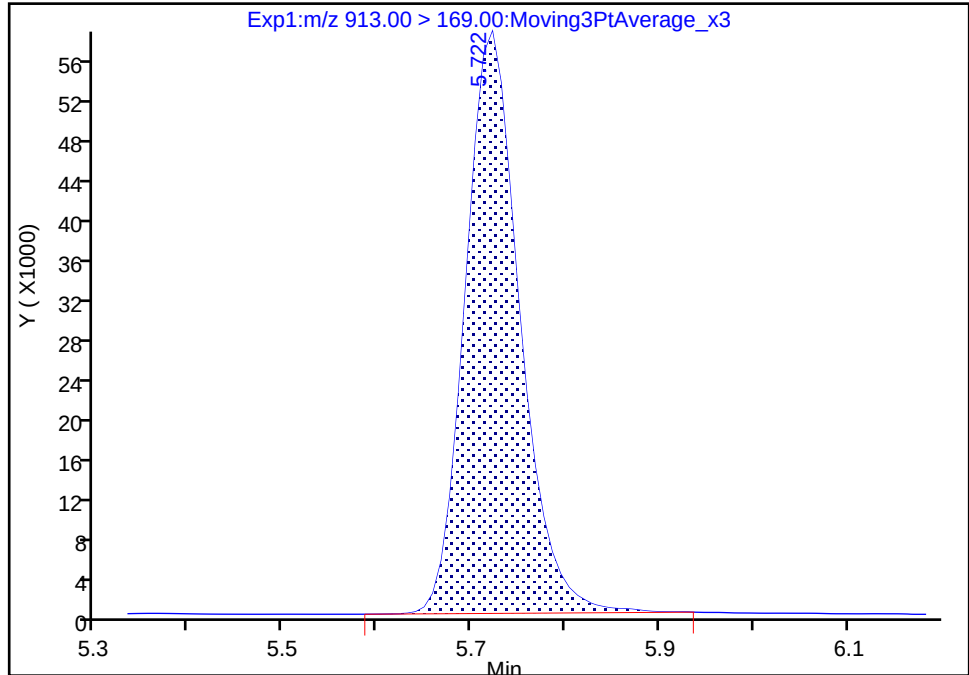
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

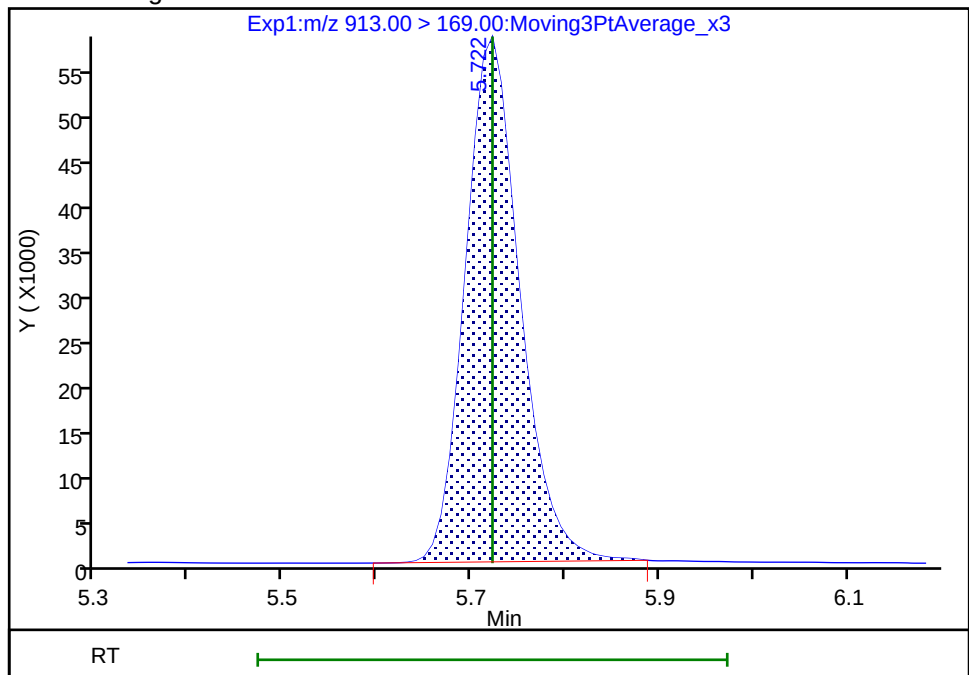
RT: 5.72
Area: 237553
Amount: 0.963448
Amount Units: ng/ml

Processing Integration Results



RT: 5.72
Area: 236187
Amount: 0.980547
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:09:28

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 18-Nov-2022 15:02:36 ALS Bottle#: 6 Worklist Smp#: 9
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 200-0053396-009 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 18-Nov-2022 15:37:50 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1602

First Level Reviewer: Z1IP

Date: 18-Nov-2022 15:19:10

Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.076	2.076	0.0	0.602	2679202	1.26		101	15212	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.076	2.076	0.0	1.000	5105461	2.31		92.4	460	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.387	2.387	0.0	0.692	2026955	1.25		100	4109	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.387	2.387	0.0	1.000	4126130	2.33		93.4	109	
D 47 13C3 PFBS										
301.90 > 80.00	2.400	2.400	0.0	0.696	2026741	1.15		99.2	320899	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.400	2.400	0.0	1.000	4292437	2.15	Target=2.14	97.4	4481	M
298.90 > 99.00	2.400	2.400	0.0	1.000	2025175		2.12(1.07-3.21)	97.4	1425	M
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.689	2.689	0.0	1.000	1079231	2.29		98.0	4533	
D 60 M2-4:2 FTS										
329.00 > 81.00	2.689	2.689	0.0	0.780	178646	1.15		98.5	205	
D 7 13C2 PFHxA										
315.00 > 270.00	2.725	2.725	0.0	0.791	2164012	1.28		102	5801	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.738	2.725	0.013	1.004	4547952	2.41	Target=13.44	96.4	805	M
313.00 > 119.00	2.725	2.725	0.0	1.000	312872		14.54(6.72-20.15)	96.4	433	
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.738	2.737	0.001	0.883	3901605	2.33	Target=2.98	99.2	5520	
349.00 > 99.00	2.738	2.737	0.001	0.883	1271099		3.07(1.49-4.47)	99.2	1901	
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.835	2.835	0.0	0.822	387831	1.30		104	1771	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										
285.00 > 169.00	2.835	2.835	0.0	1.000	756781	2.31		92.4	3649	
D 11 18O2 PFHxS										
403.00 > 84.00	3.099	3.088	0.011	0.899	1485775	1.16		98.1	3442	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.088	3.088	0.0	0.996	3217665	2.27	Target=3.57	99.7	1650	M
399.00 > 99.00	3.088	3.088	0.0	0.996	889058		3.62(1.78-5.35)	99.7	805	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.099	3.099	0.0	0.899	2271049	1.30		104	7276	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.099	3.099	0.0	1.000	4611900	2.33	Target=3.93	93.3	871	
363.00 > 169.00	3.099	3.099	0.0	1.000	1182521		3.90(1.96-5.89)	93.3	2126	M
77 DONA										M
377.00 > 251.00	3.132	3.132	0.0	0.832	10824421	2.24	Target=3.08	95.0	3767	M
377.00 > 85.00	3.132	3.132	0.0	0.832	3633058		2.98(1.54-4.62)	95.0	1956	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.439	3.439	0.0	0.997	257709	1.20		101	723	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.439	3.439	0.0	1.000	1097897	2.38		101	2807	
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.439	3.439	0.0	0.914	2744265	2.24	Target=5.16	94.0	1942	M
449.00 > 99.00	3.439	3.439	0.0	0.914	543093		5.05(2.58-7.74)	94.0	2249	M
D 14 13C4 PFOA										
417.00 > 372.00	3.448	3.448	0.0	1.000	2522753	1.29		103	5188	
* 62 13C2 PFOA										
415.00 > 370.00	3.448	3.448	0.0		2367797	1.25			4001	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.448	3.448	0.0	1.000	5263268	2.44	Target=2.82	97.6	387	
413.00 > 169.00	3.448	3.448	0.0	1.000	1822258		2.89(1.41-4.23)	97.6	1577	M
D 18 13C4 PFOS										
503.00 > 80.00	3.764	3.764	0.0	1.092	1049764	1.21		101	2525	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.764	3.764	0.0	1.000	2338057	2.19	Target=5.01	94.3	367	M
499.00 > 99.00	3.764	3.764	0.0	1.000	491265		4.76(2.50-7.51)	94.3	383	M
D 19 13C5 PFNA										M
468.00 > 423.00	3.783	3.783	0.0	1.097	2401890	1.26		101	3709	M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.783	3.783	0.0	1.000	4930997	2.47	Target=8.49	99.0	859	M
463.00 > 169.00	3.783	3.783	0.0	1.000	586103		8.41(4.25-12.74)	99.0	2411	M
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.928	3.928	0.0	1.044	5512960	2.25		96.5	3886	M
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.061	4.050	0.011	1.079	1871298	2.32	Target=2.60	96.7	2768	M
549.00 > 99.00	4.061	4.050	0.011	1.079	726837		2.57(1.30-3.90)	96.7	2286	M
D 23 13C2 PFDA										
515.00 > 470.00	4.081	4.081	0.0	1.184	2491665	1.28		103	4693	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										
513.00 > 469.00	4.081	4.081	0.0	1.000	4948756	2.29	Target=10.03	91.6	1883	
513.00 > 169.00	4.081	4.081	0.0	1.000	502506		9.85(5.02-15.05)	91.6	891	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.093	4.093	0.0	1.187	321188	1.22		102	963	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.093	4.093	0.0	1.000	1014644	2.34		97.7	2533	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.150	4.150	0.0	1.000	4094524	2.46		98.3	2556	M
D 21 13C8 FOSA										
506.00 > 78.00	4.150	4.150	0.0	1.204	1993351	1.25		100	2401	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.228	4.228	0.0	1.226	514239	1.30		104	416	
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.238	4.228	0.010	1.002	873622	2.46		98.3	924	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.331	4.331	0.0	1.151	1496790	2.35	Target=2.58	97.5	2027	M
599.00 > 99.00	4.331	4.331	0.0	1.151	562866		2.66(1.29-3.86)	97.5	1295	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.353	4.353	0.0	0.997	4311823	2.37	Target=10.10	94.7	1327	M
563.00 > 169.00	4.353	4.353	0.0	0.997	431935		9.98(5.05-15.15)	94.7	1347	
D 30 13C2 PFUnA										
565.00 > 520.00	4.365	4.353	0.012	1.266	2259671	1.27		102	3817	
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.376	4.365	0.011	1.003	848987	2.39		95.5	1131	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.365	4.365	0.0	1.266	496655	1.28		102	1013	
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.454	4.454	0.0	1.183	8644779	2.29		97.1	2779	M
37 Perfluorododecanoic acid										
613.00 > 569.00	4.601	4.591	0.010	1.000	4520955	2.28	Target=7.41	91.0	287	M
613.00 > 169.00	4.601	4.591	0.010	1.000	628962		7.19(3.70-11.11)	91.0	2150	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.601	4.591	0.010	1.335	2344331	1.29		104	3770	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.612	4.612	0.0	1.127	585886	2.25		93.3	1907	
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.776	4.776	0.0	1.269	629893	2.34	Target=0.51	96.6	3834	M
699.00 > 99.00	4.776	4.776	0.0	1.269	1217795		0.52(0.25-0.76)	96.6	1849	M
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.812	4.804	0.008	1.046	4574880	2.41	Target=5.40	96.3	292	M
663.00 > 169.00	4.812	4.804	0.008	1.046	841148		5.44(2.70-8.10)	96.3	1577	M
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.012	5.012	0.0	1.000	519386	2.35	Target=0.90	94.1	1498	M
713.00 > 219.00	5.012	5.012	0.0	1.000	610374		0.85(0.45-1.35)	94.1	1973	M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.012	5.012	0.0	1.454	2014799	1.29		103	2640	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										M
815.00 > 770.00	5.366	5.367	-0.001	1.557	2500657	1.29		103	2634	M
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.377	5.367	0.010	1.002	4609177	2.49	Target=5.85	99.5	360	M
813.00 > 169.00	5.377	5.367	0.010	1.002	767191		6.01(2.93-8.78)	99.5	1778	M
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.722	5.722	0.0	1.066	3885994	2.36	Target=6.30	94.3	307	M
913.00 > 169.00	5.722	5.722	0.0	1.066	634754		6.12(3.15-9.46)	94.3	883	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC5_00030

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d

Injection Date: 18-Nov-2022 15:02:36

Instrument ID: LC812

Lims ID: IC

Client ID:

Operator ID: lc812tech

ALS Bottle#: 6

Worklist Smp#: 9

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

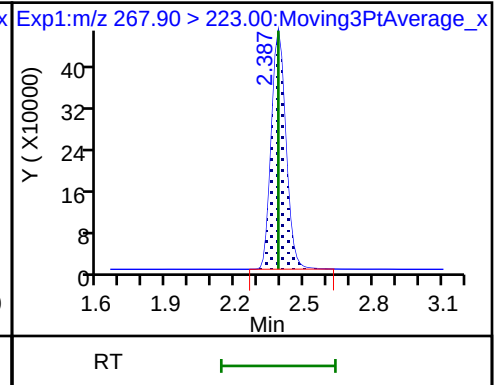
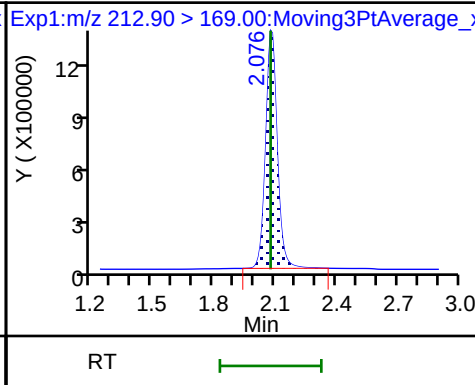
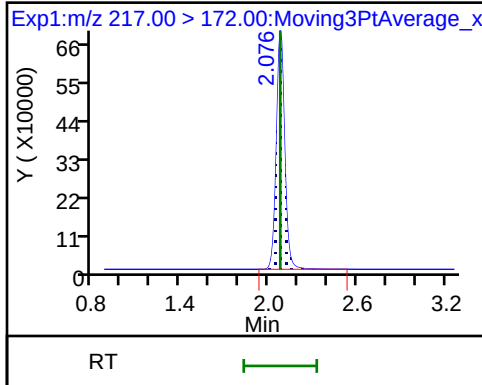
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

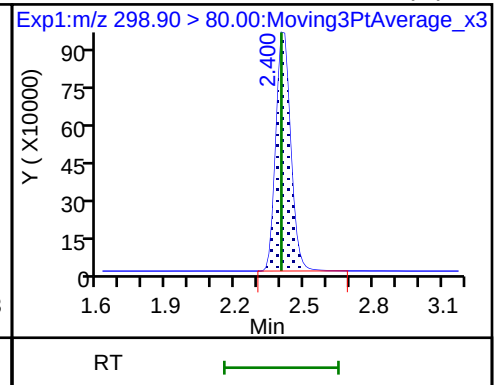
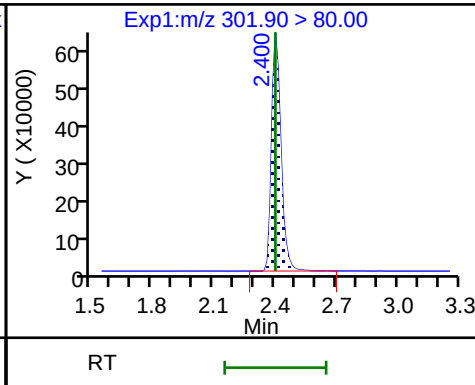
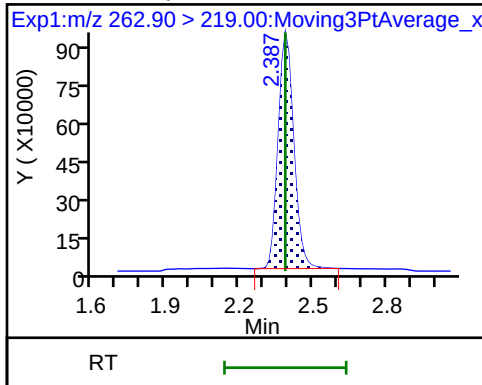
D 3 13C5 PFPeA



4 Perfluoropentanoic acid

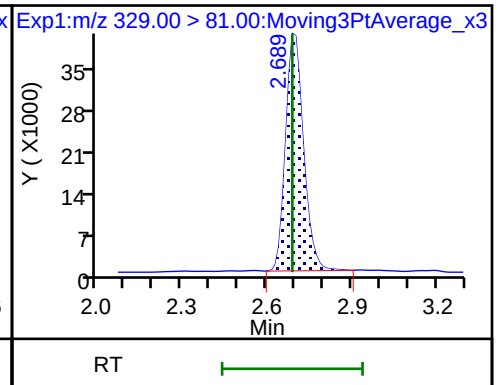
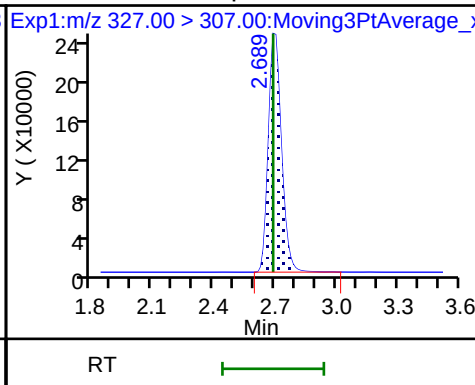
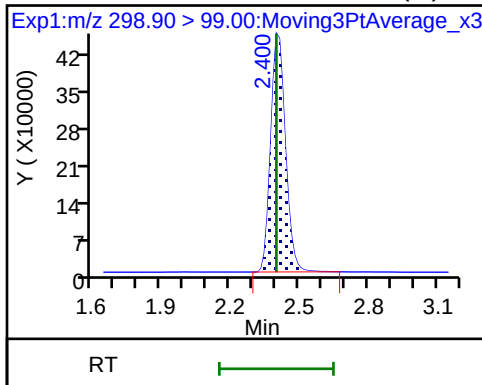
D 47 13C3 PFBS

5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

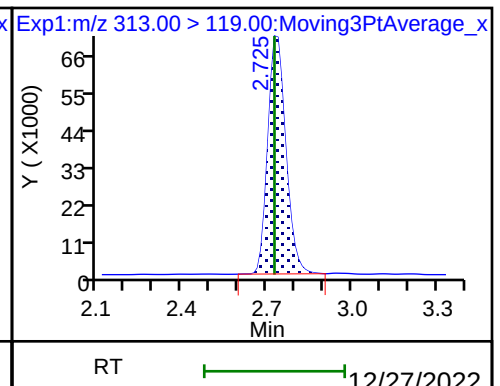
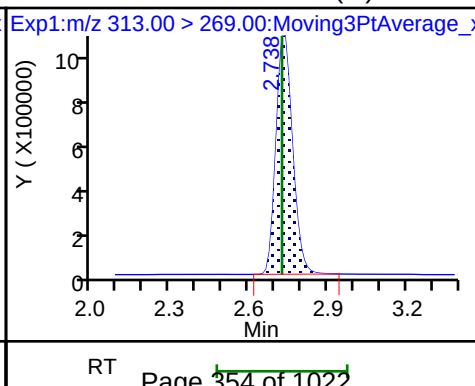
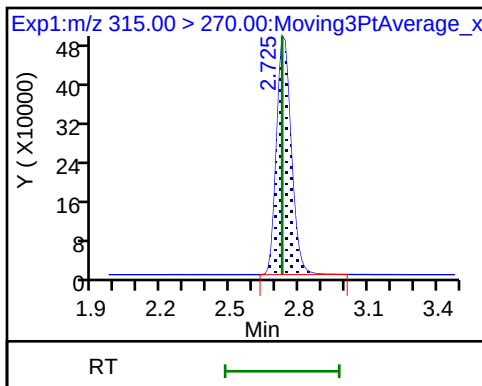
61 1H,1H,2H,2H-perfluorohexanesulfo D 60 M2-4:2 FTS

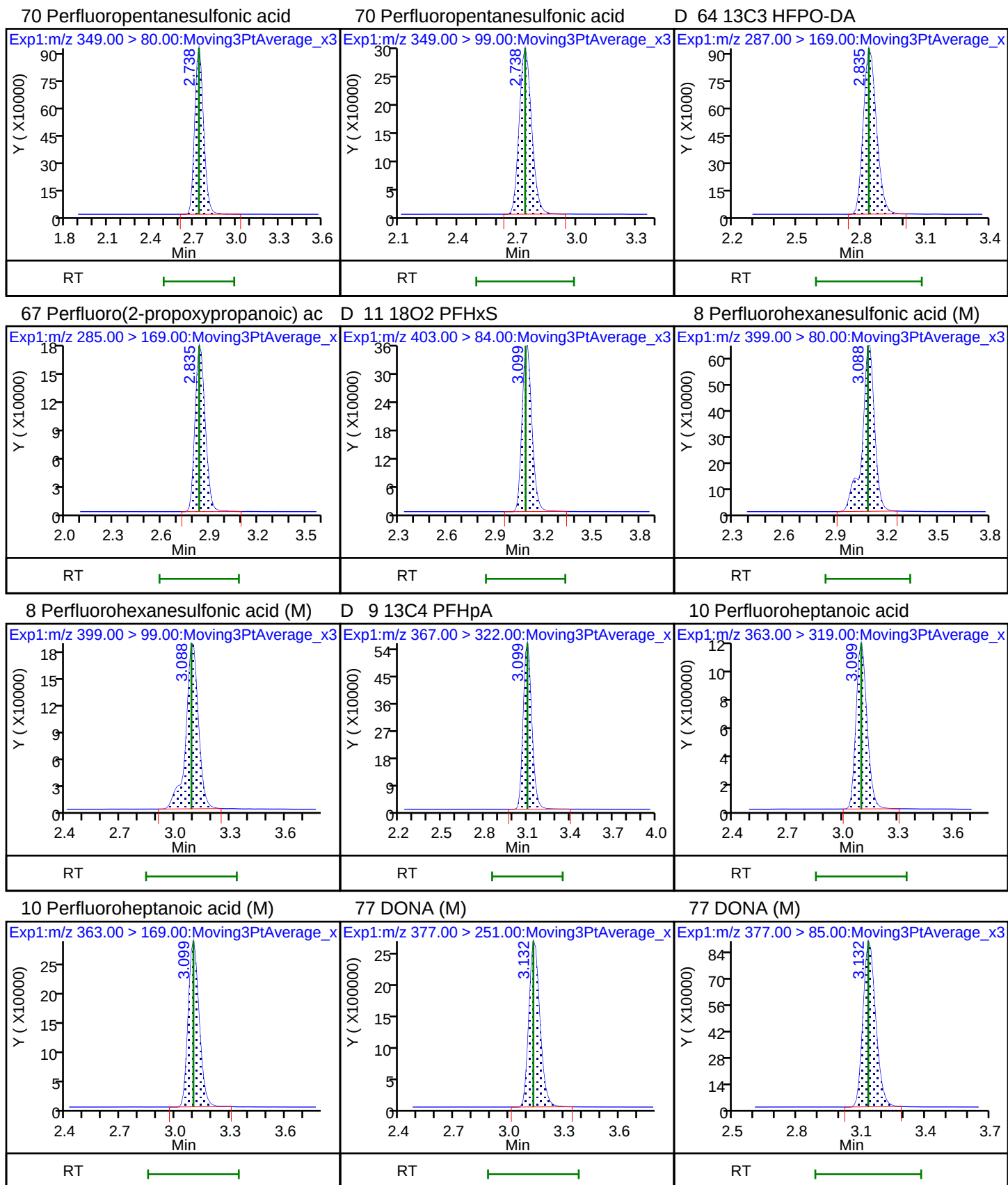


D 7 13C2 PFHxA

6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid

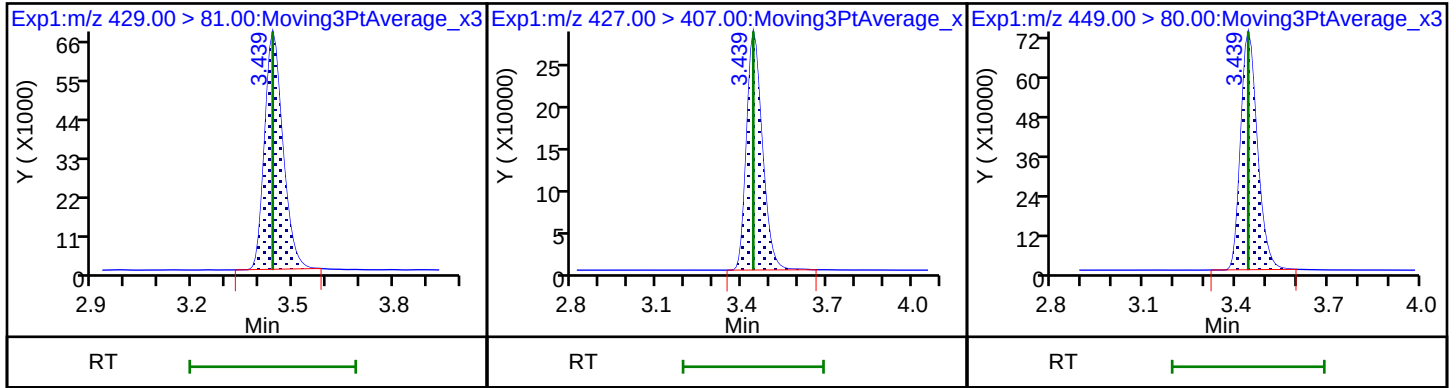




D 12 M2-6:2 FTS

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

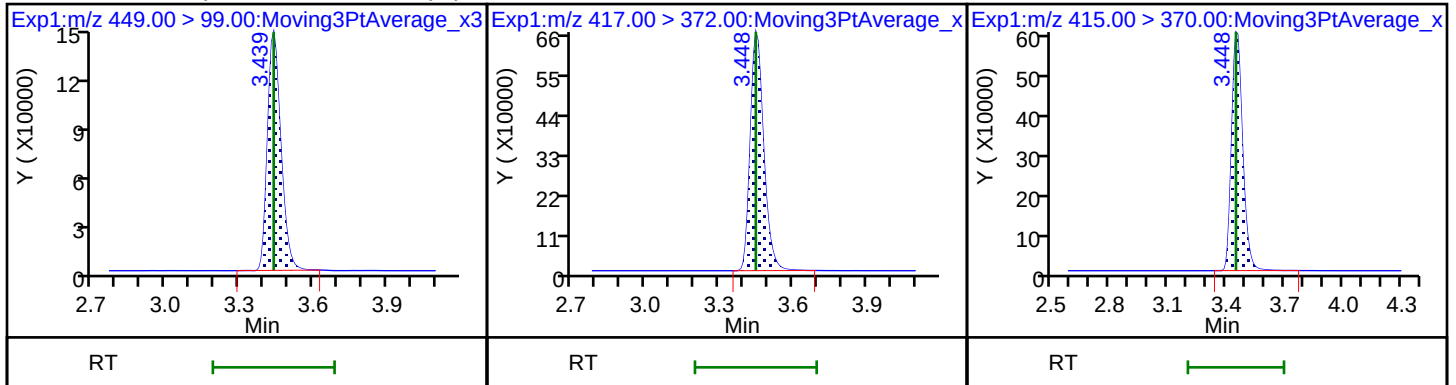
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

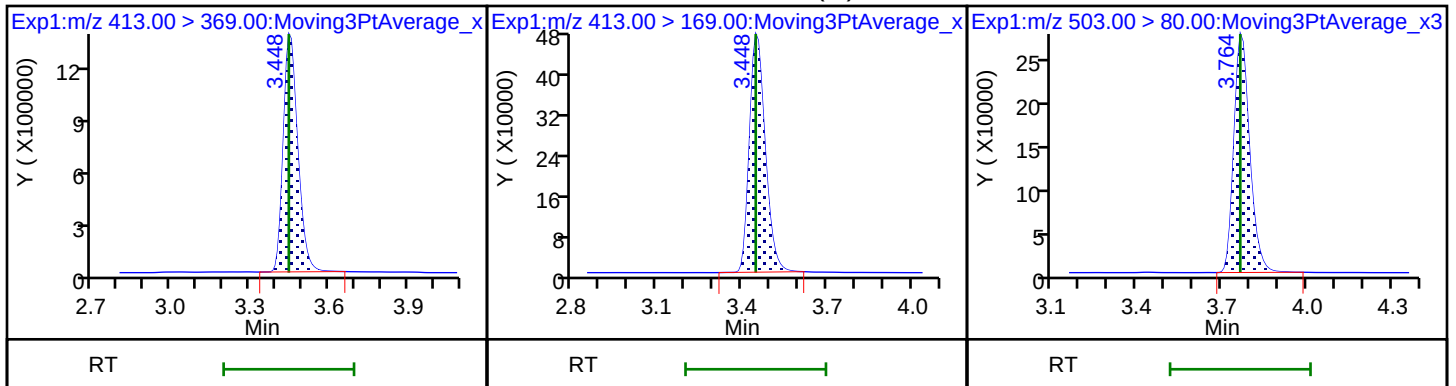
* 62 13C2 PFOA



15 Perfluorooctanoic acid

15 Perfluorooctanoic acid (M)

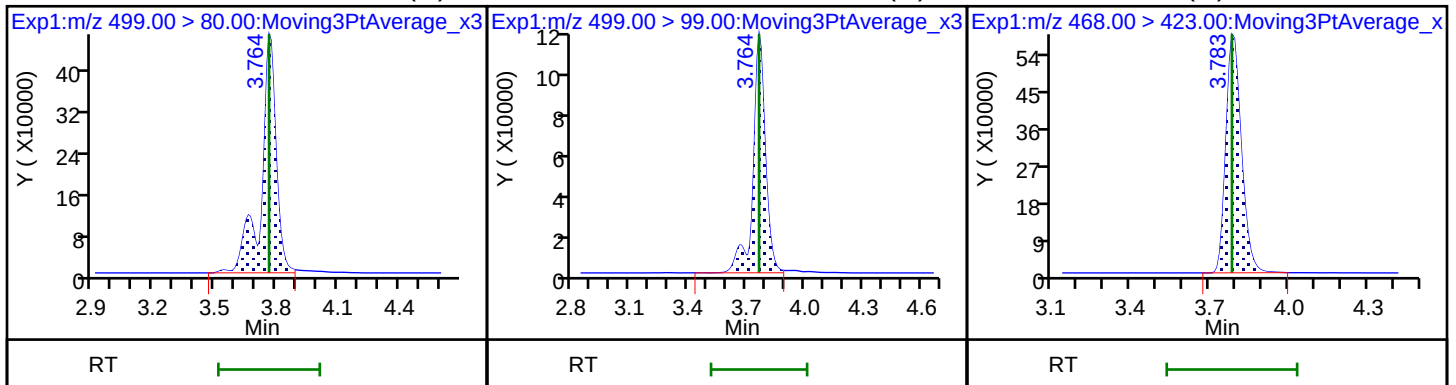
D 18 13C4 PFOS

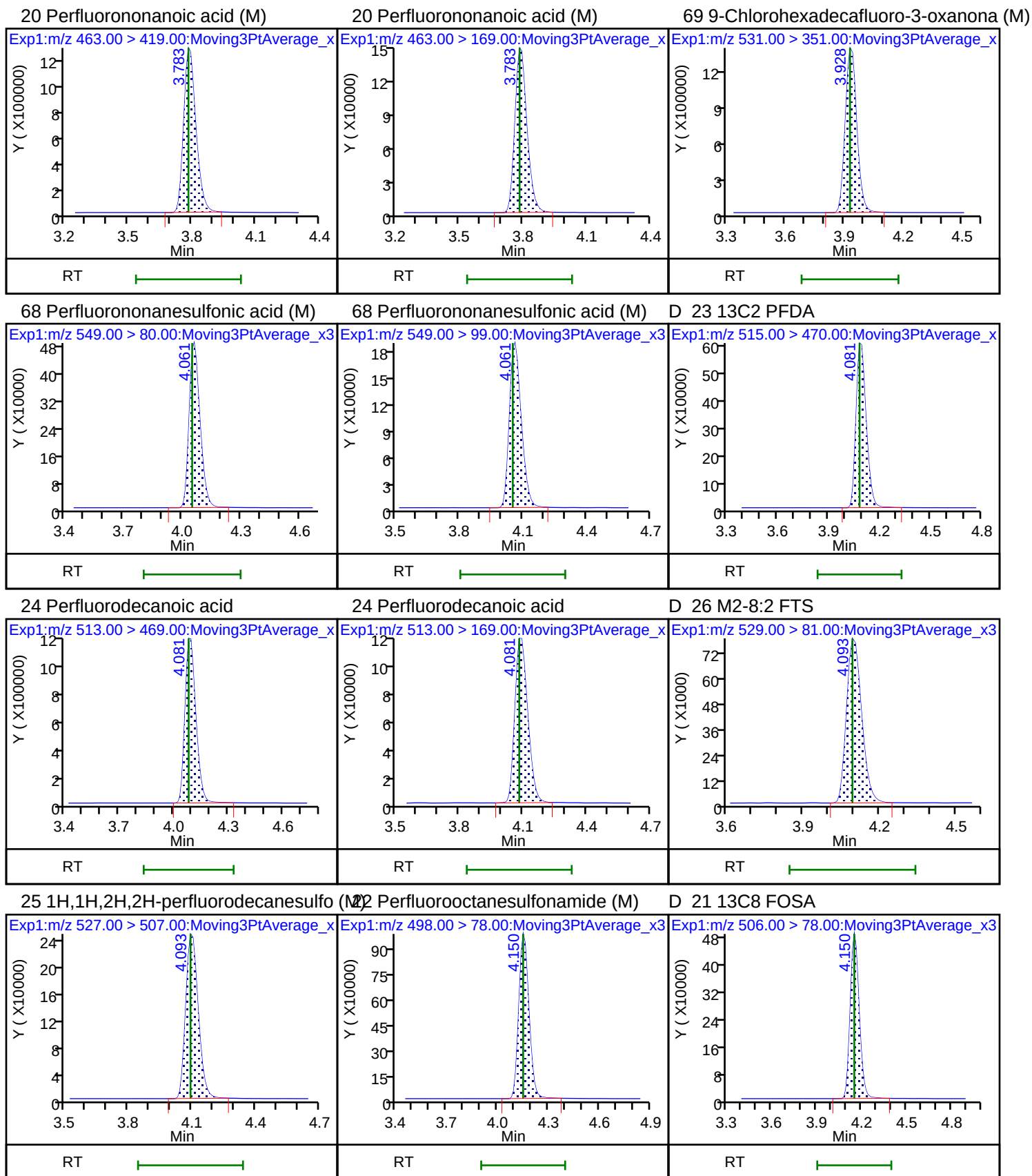


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

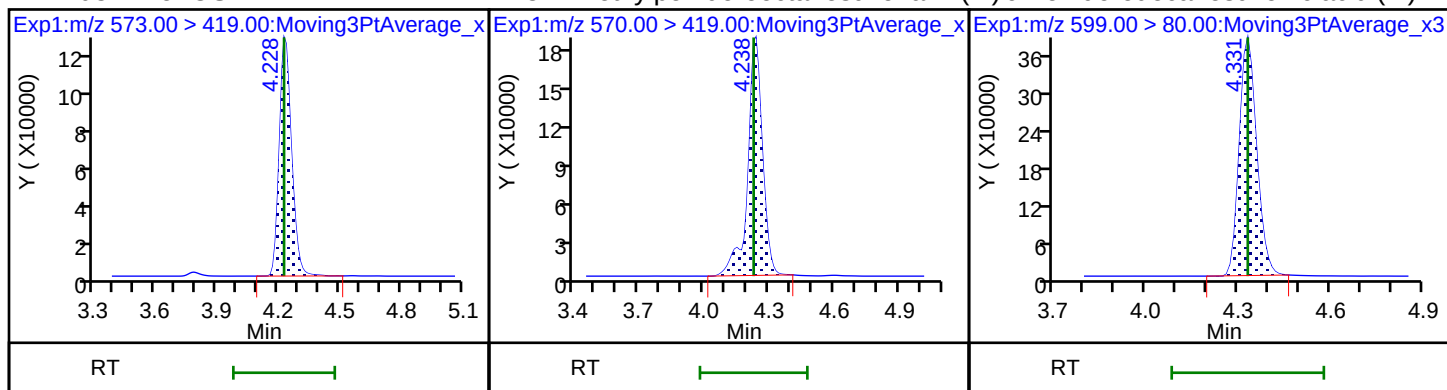
D 19 13C5 PFNA (M)





D 27 d3-NMeFOSAA

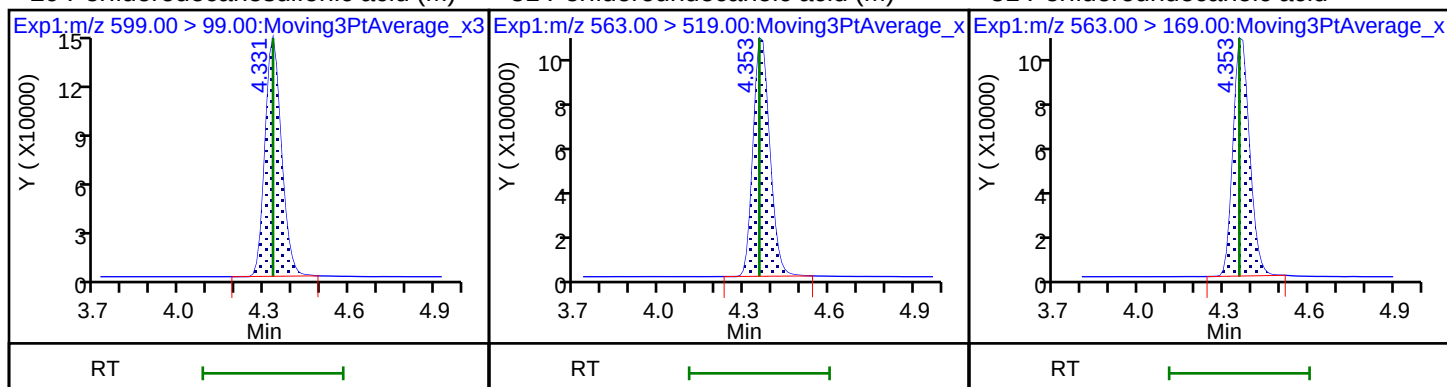
28 N-methylperfluorooctanesulfonami (M) 29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

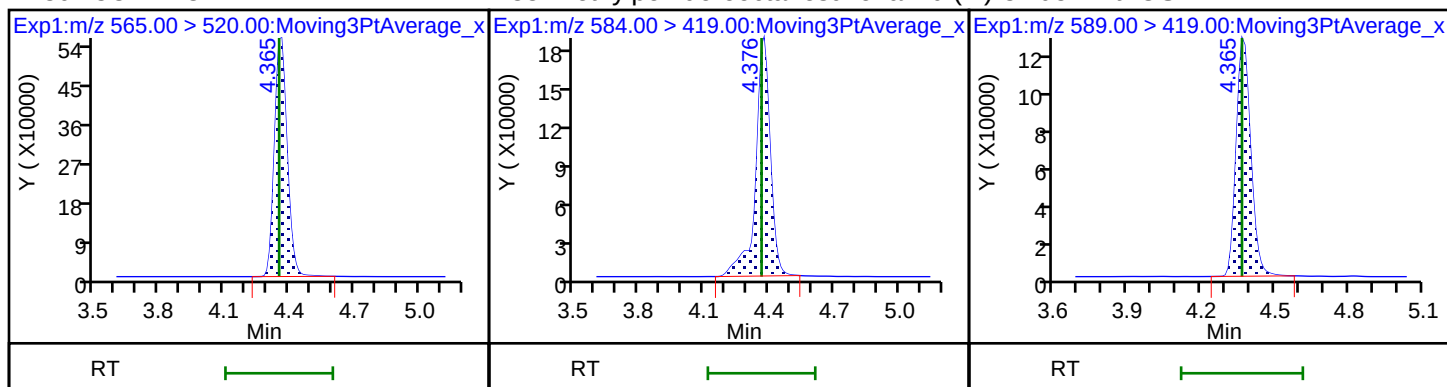
31 Perfluoroundecanoic acid (M)

31 Perfluoroundecanoic acid



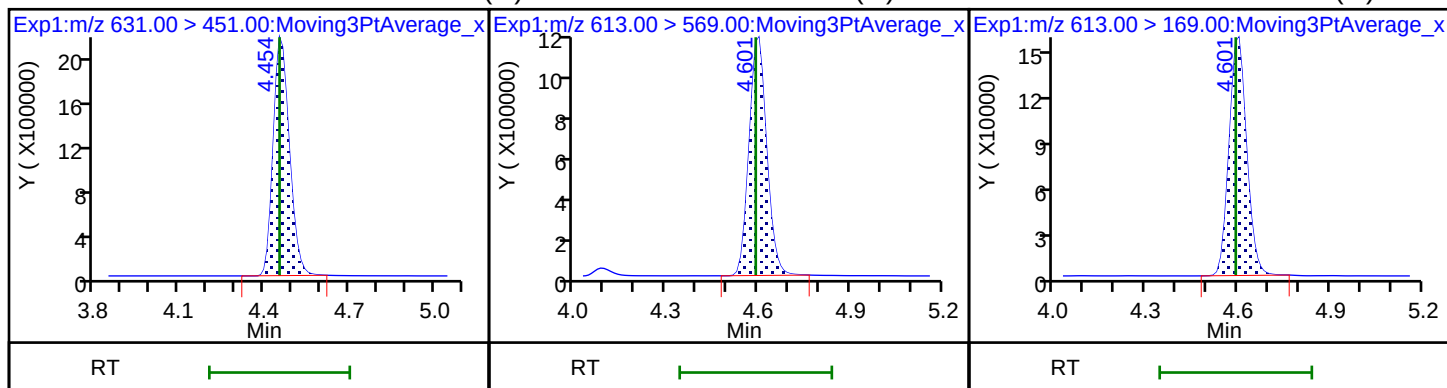
D 30 13C2 PFUnA

33 N-ethylperfluorooctanesulfonamid (M) 32 d5-NEtFOSAA



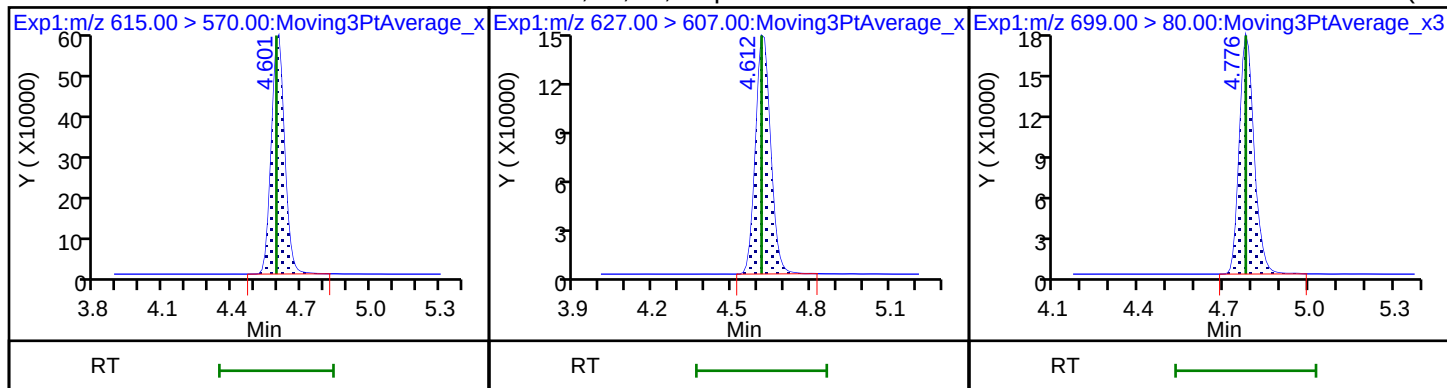
66 11-Chloroeicosafluoro-3-oxaundec (M) 37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid (M)



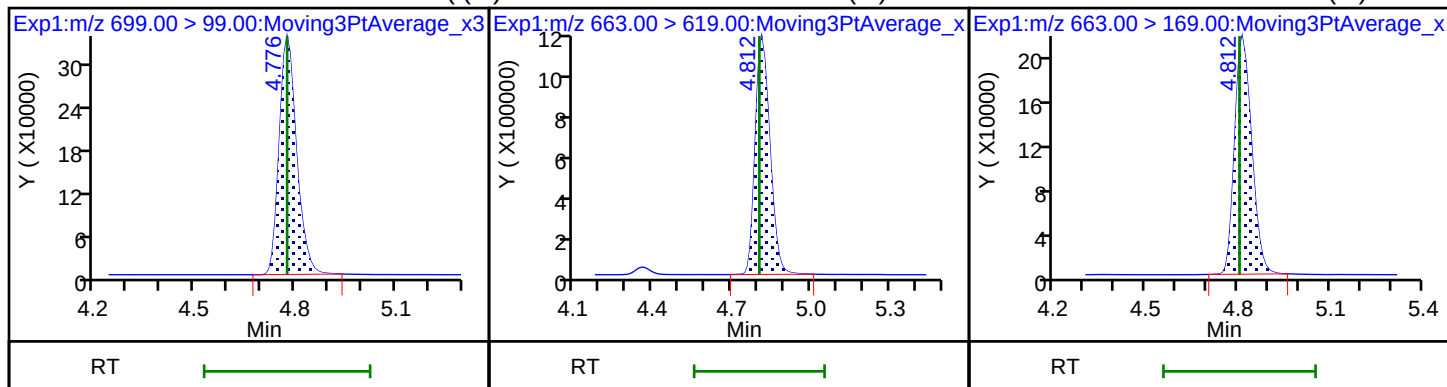
D 36 13C2 PFDaA

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



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

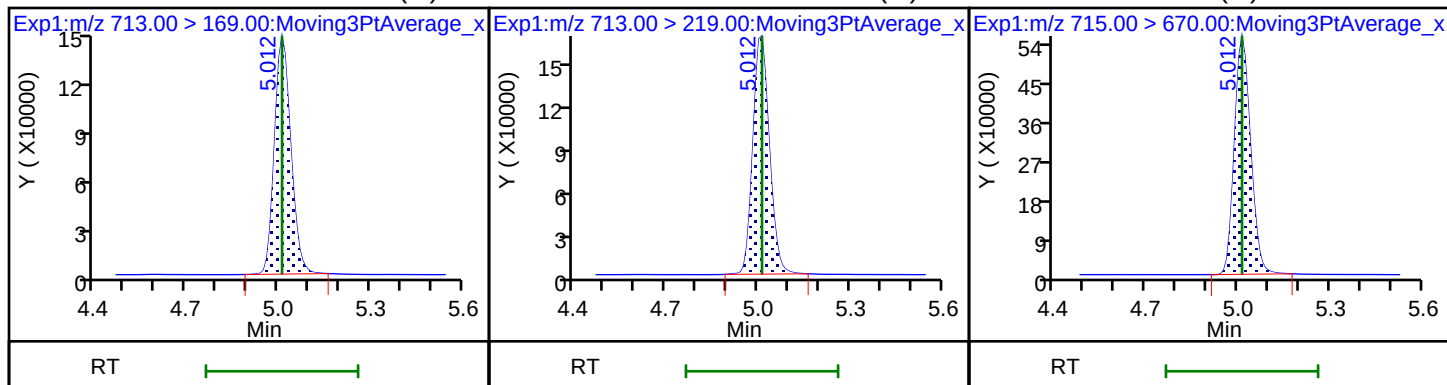
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

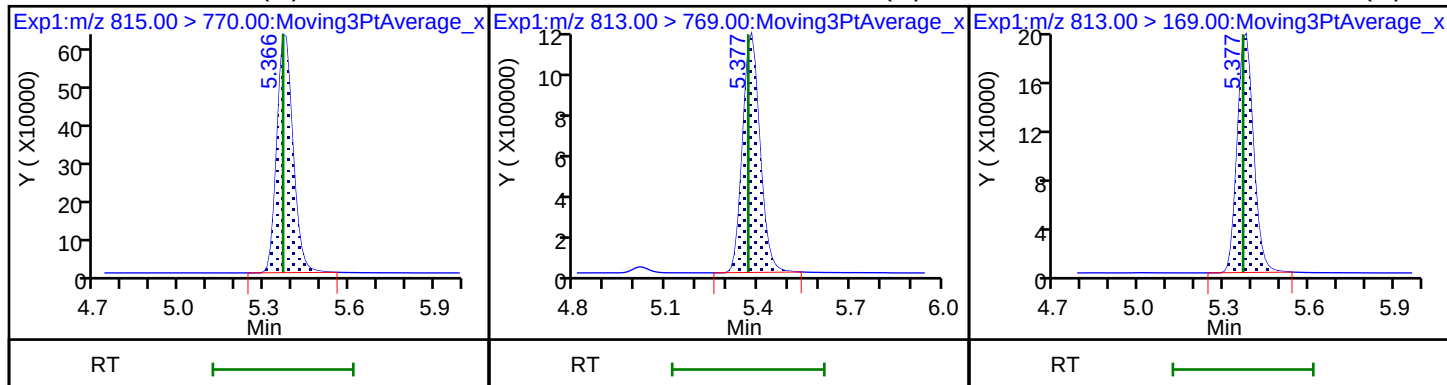
D 43 13C2 PFTeDA (M)



D 44 13C2 PFHxDA (M)

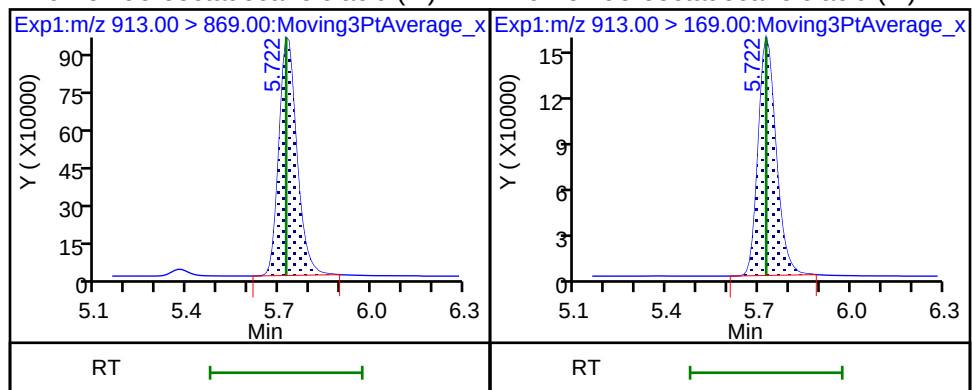
45 Perfluorohexadecanoic acid (M)

45 Perfluorohexadecanoic acid (M)



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

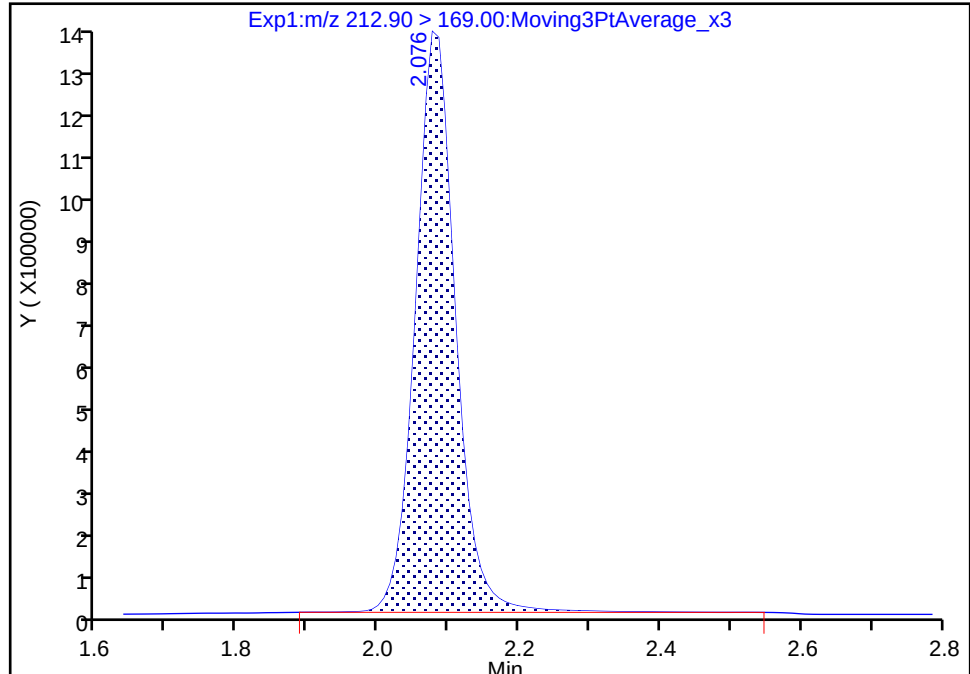
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

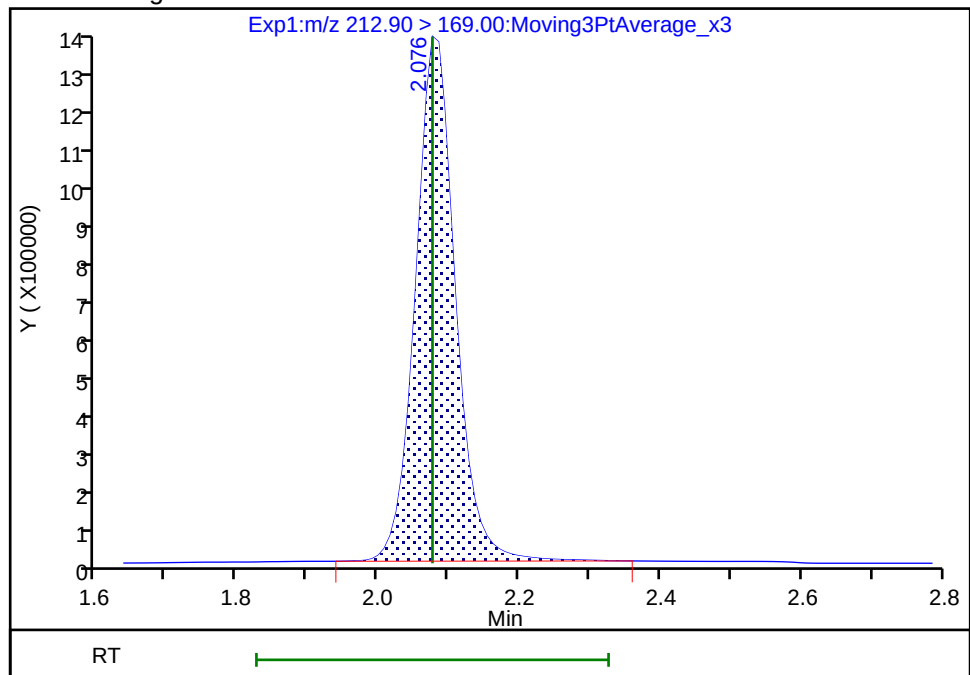
RT: 2.08
Area: 5129420
Amount: 2.272604
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 5105461
Amount: 2.309927
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:13:53
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

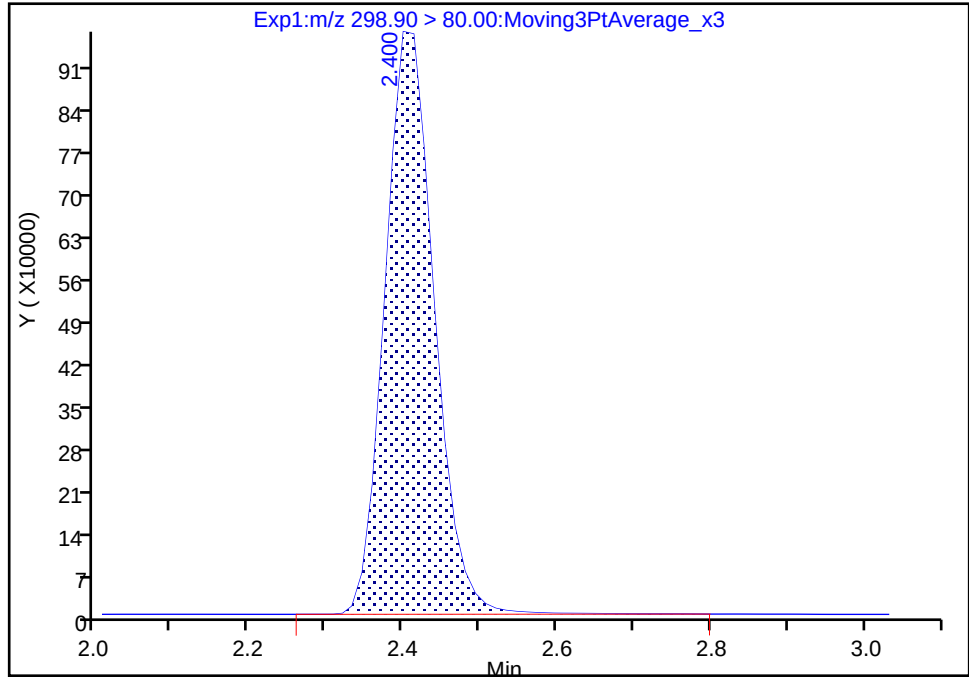
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

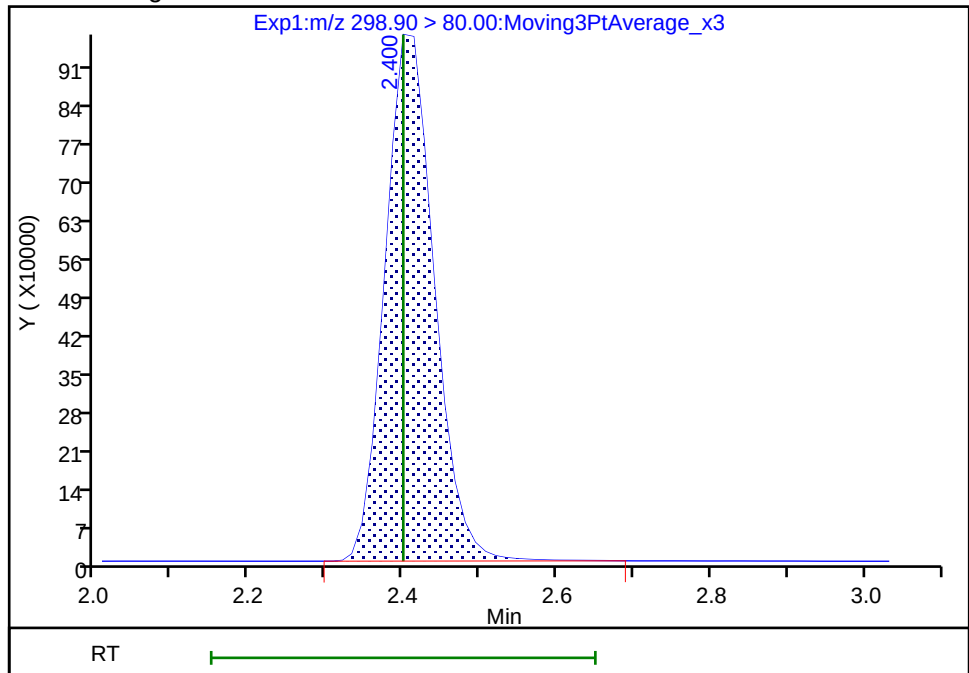
RT: 2.40
Area: 4298516
Amount: 2.130457
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 4292437
Amount: 2.151992
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:14:01
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

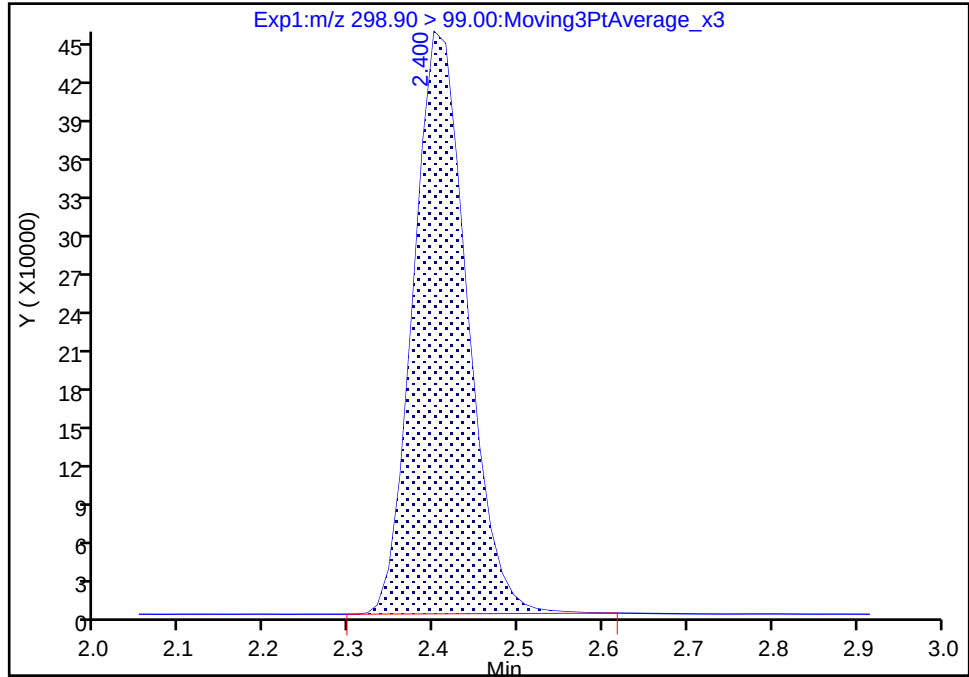
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

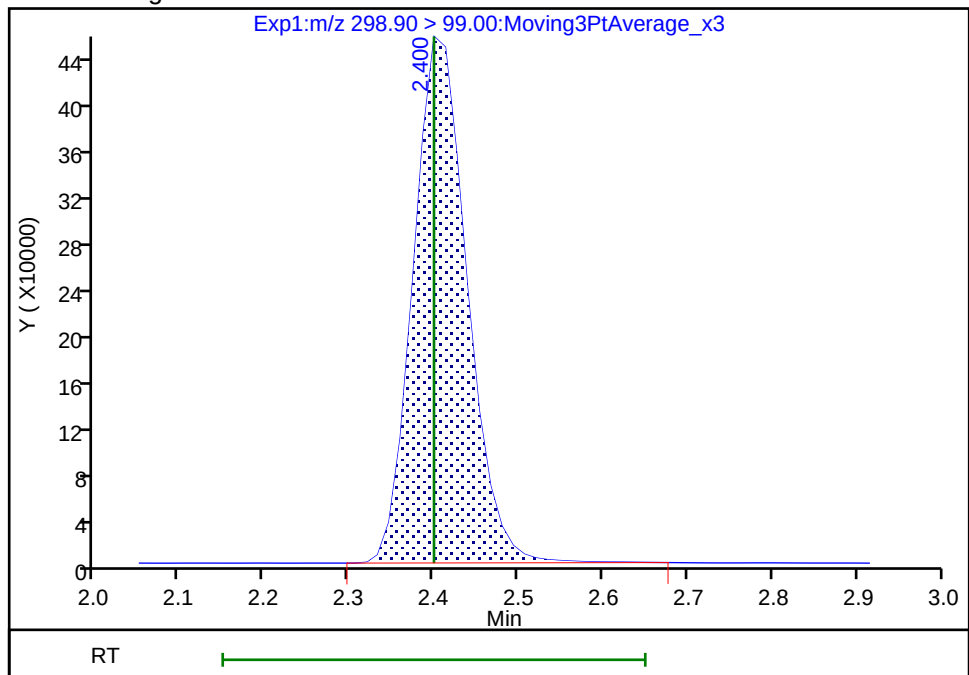
RT: 2.40
Area: 2019708
Amount: 2.130457
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 2025175
Amount: 2.151992
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:14:05

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

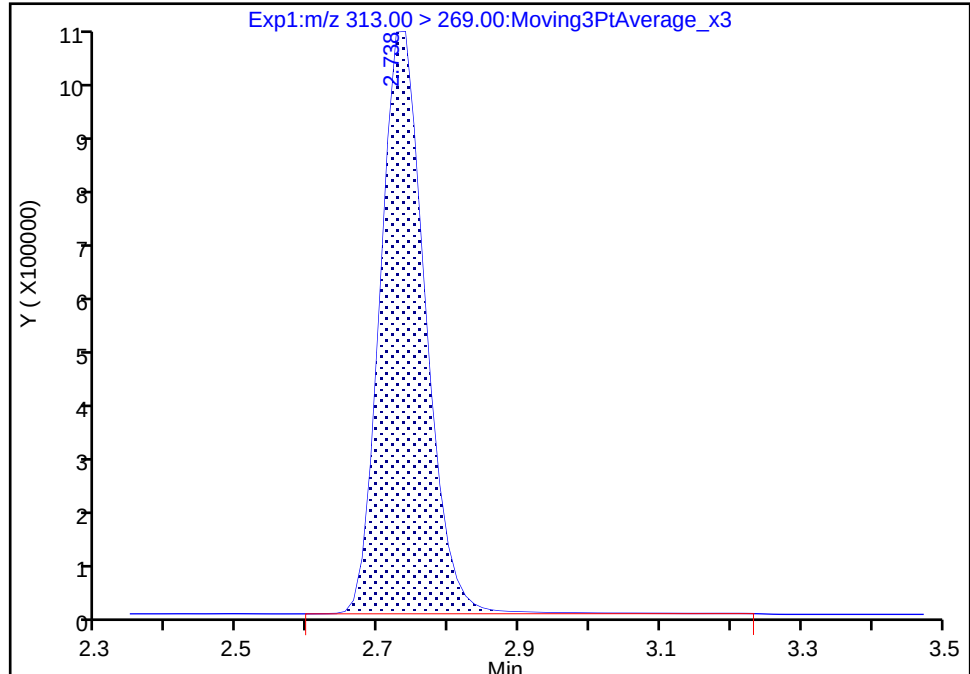
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

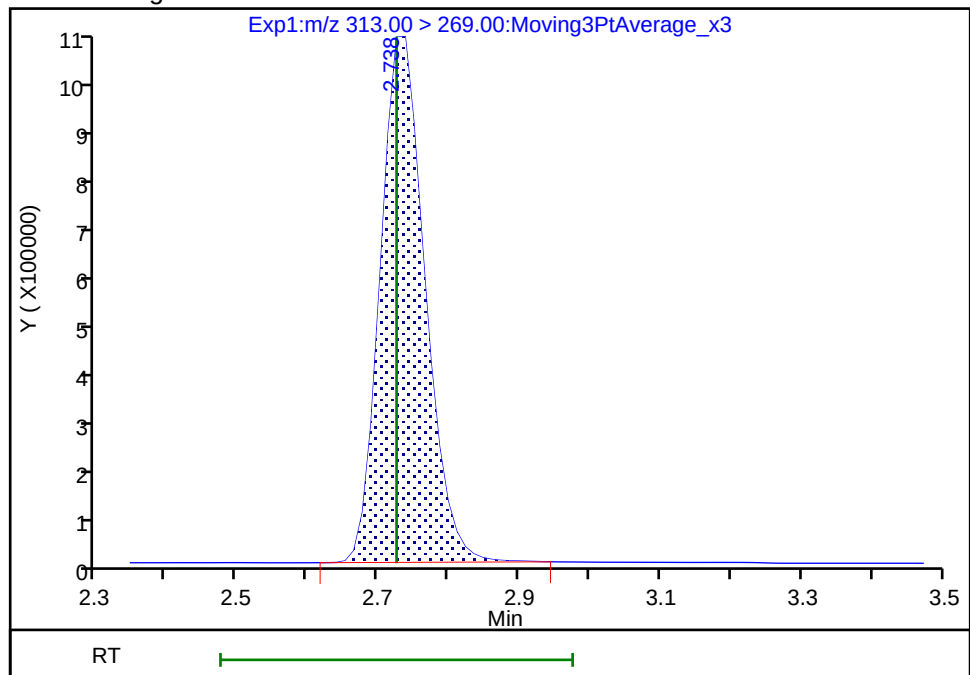
RT: 2.74
Area: 4577392
Amount: 2.375601
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 4547952
Amount: 2.410988
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:14:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

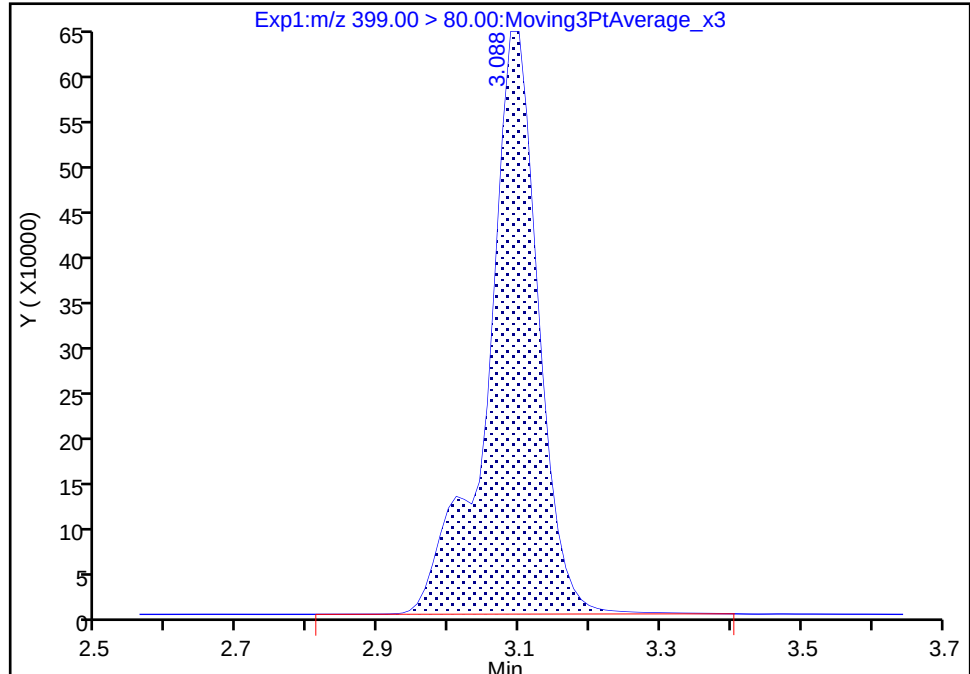
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

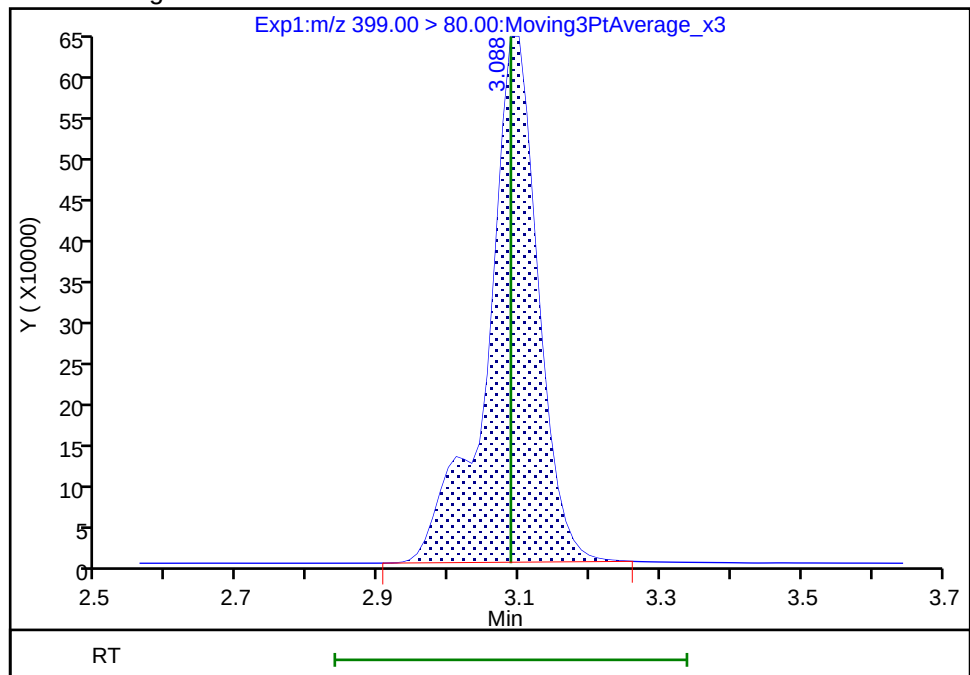
RT: 3.09
Area: 3243457
Amount: 2.251723
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 3217665
Amount: 2.268961
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:14:40
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

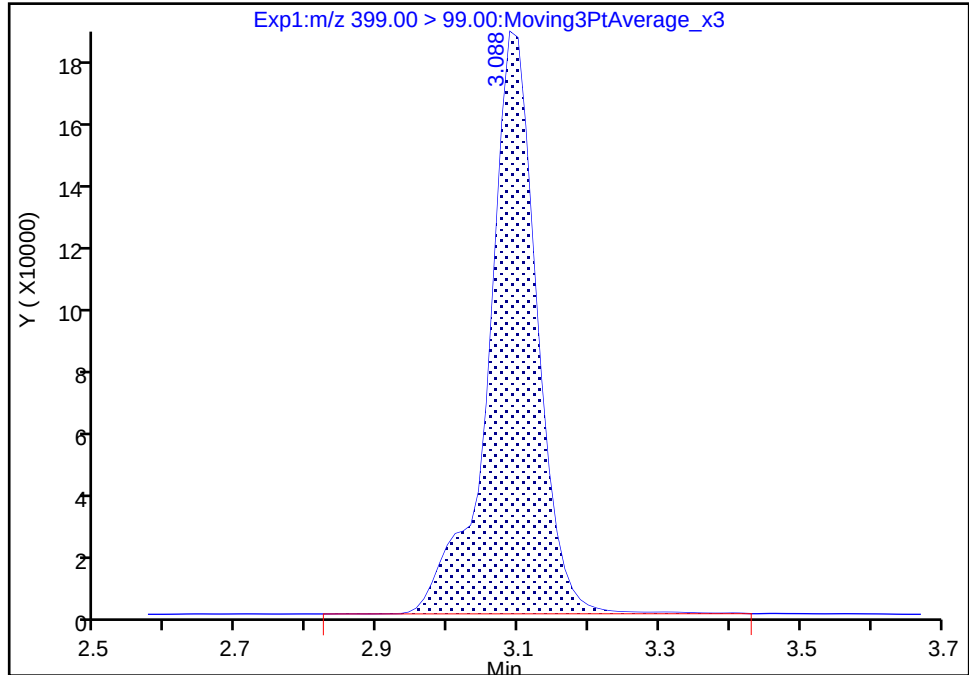
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

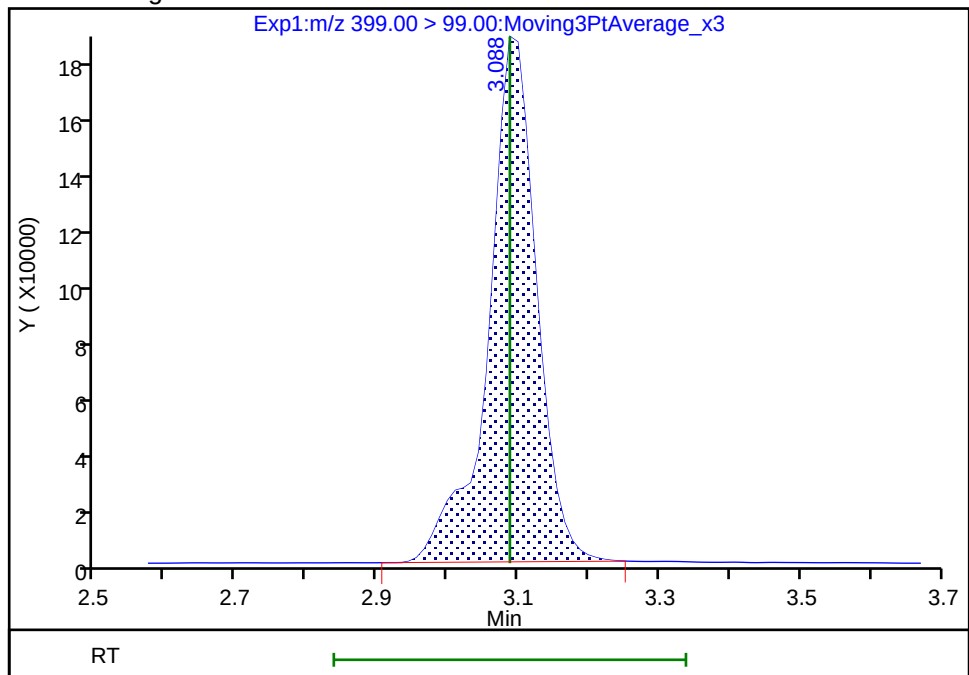
RT: 3.09
Area: 898780
Amount: 2.251723
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 889058
Amount: 2.268961
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:14:44

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

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12/27/2022

2:52 PM

Eurofins Burlington

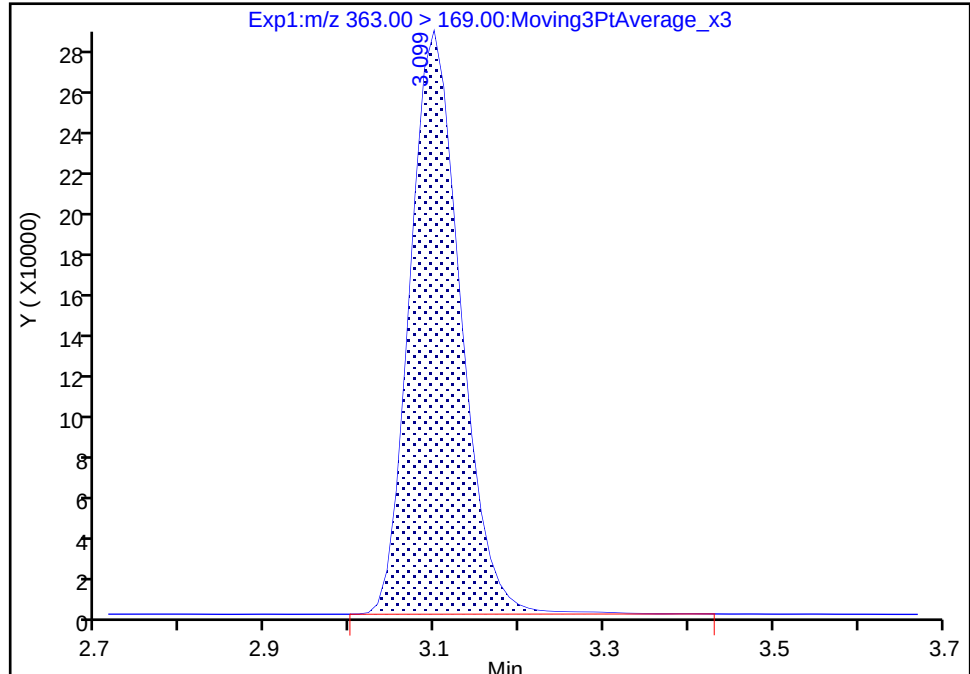
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

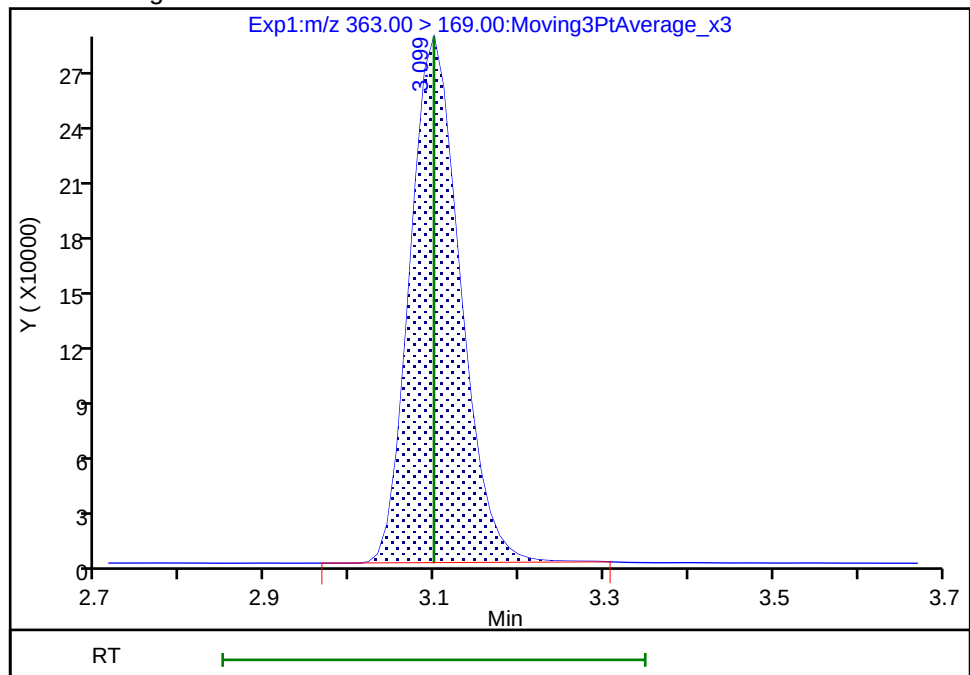
RT: 3.10
Area: 1190139
Amount: 2.284231
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 1182521
Amount: 2.331429
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:14:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

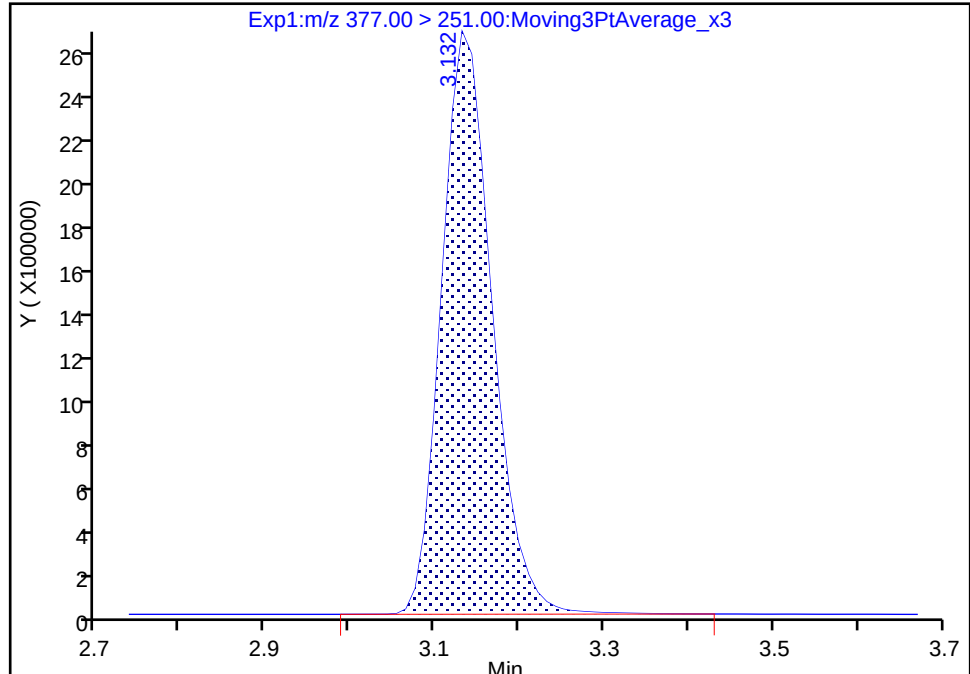
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

77 DONA, CAS: 919005-14-4

Signal: 1

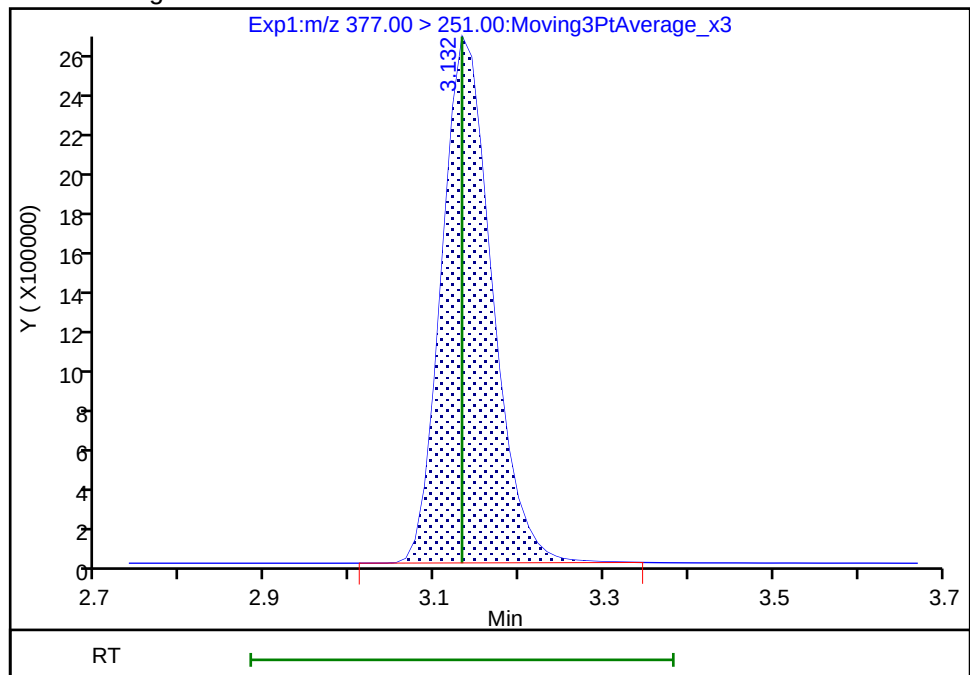
RT: 3.13
Area: 10854434
Amount: 2.160250
Amount Units: ng/ml

Processing Integration Results



RT: 3.13
Area: 10824421
Amount: 2.237483
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:14:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

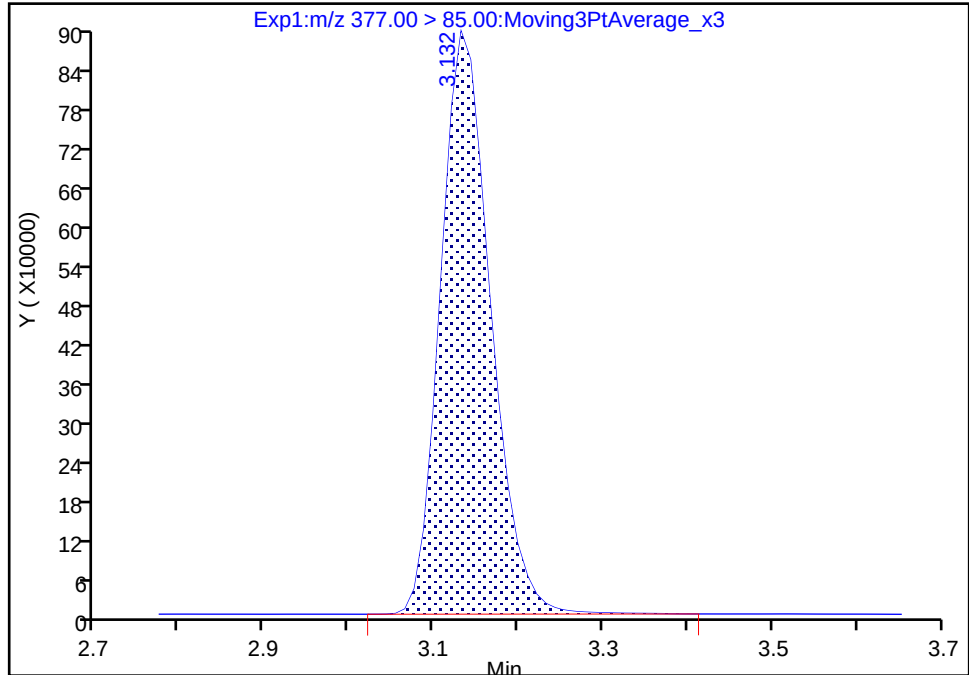
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

77 DONA, CAS: 919005-14-4

Signal: 2

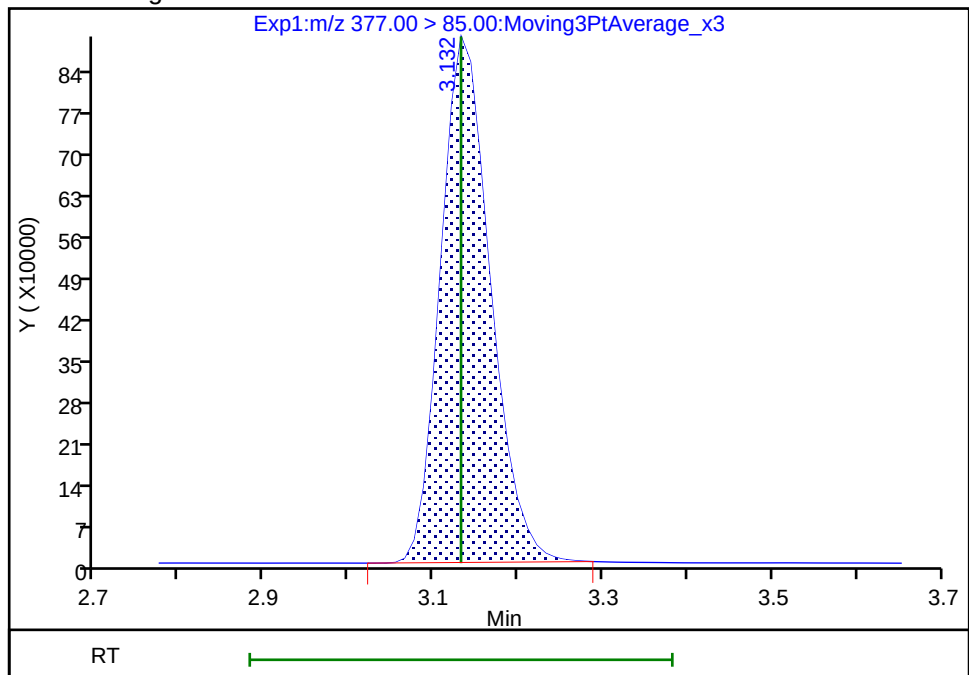
RT: 3.13
Area: 3658251
Amount: 2.160250
Amount Units: ng/ml

Processing Integration Results



RT: 3.13
Area: 3633058
Amount: 2.237483
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:14:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

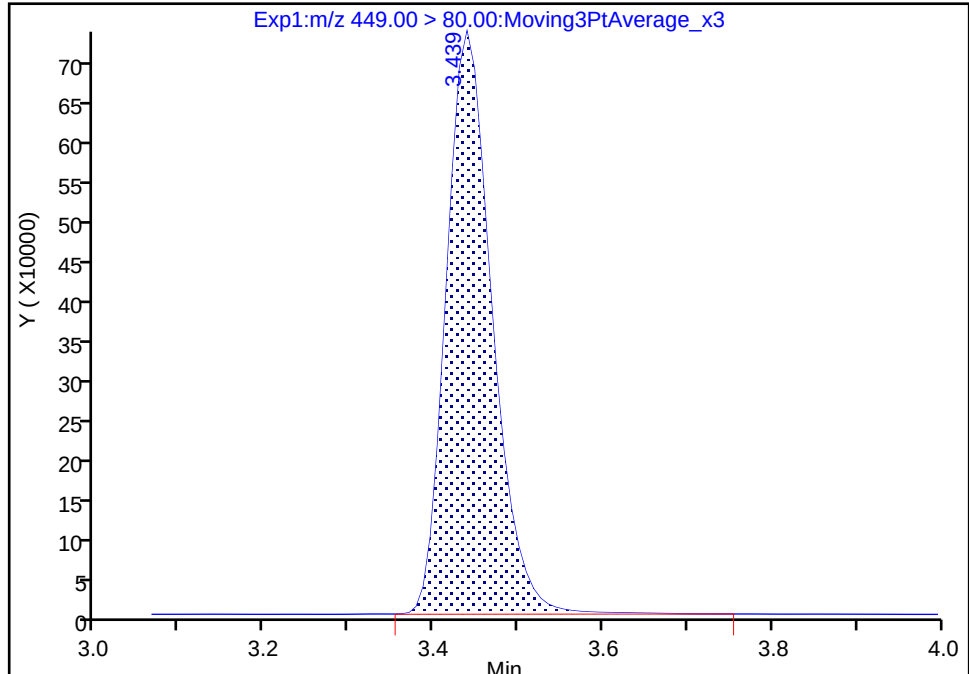
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

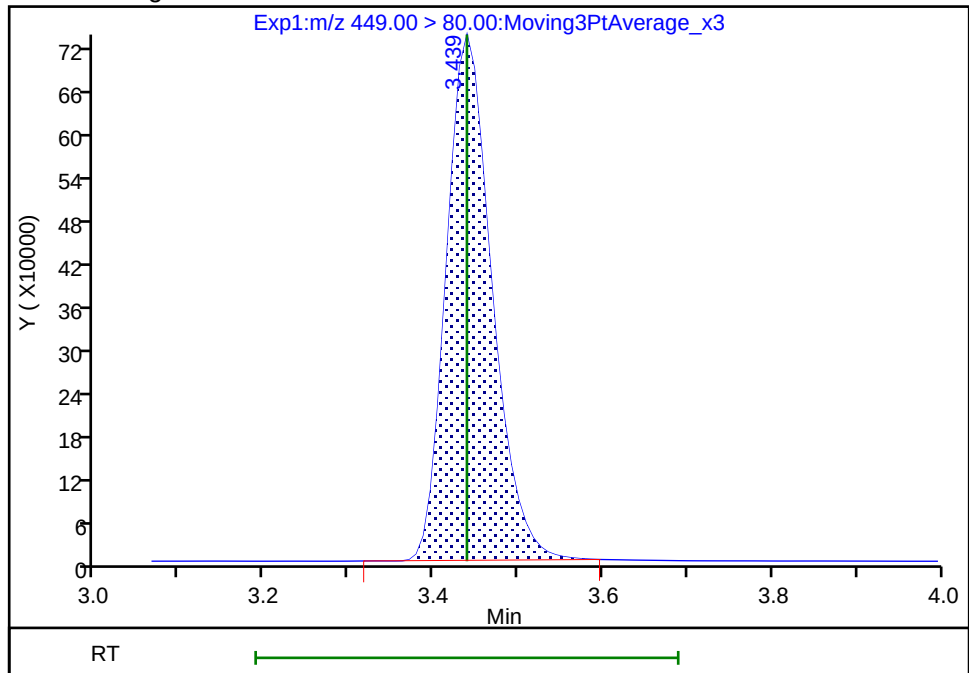
RT: 3.44
Area: 2770748
Amount: 2.218630
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 2744265
Amount: 2.236625
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:15:05
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

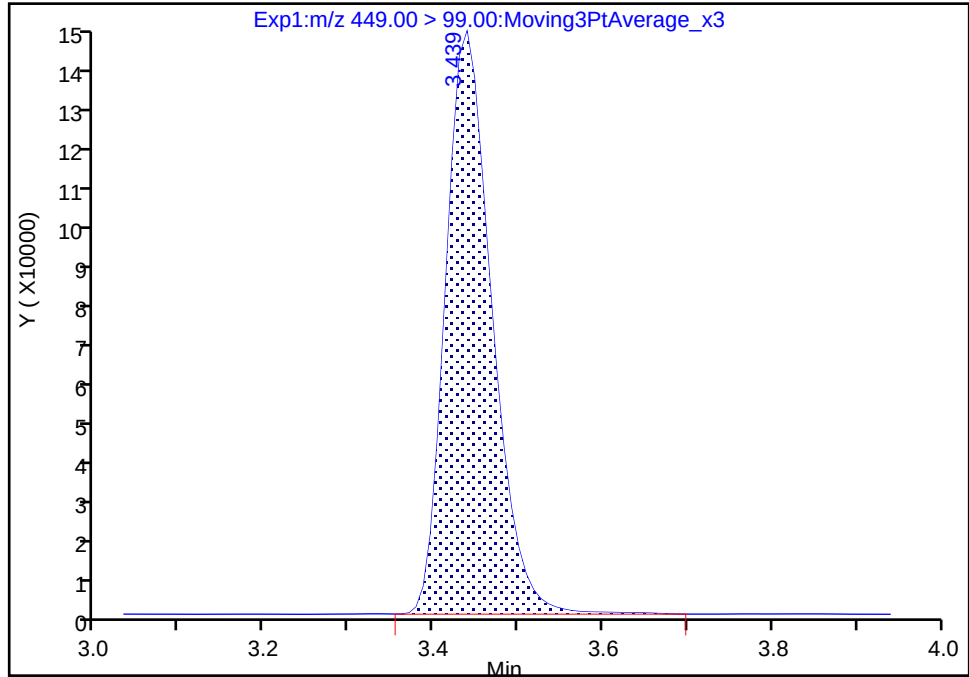
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

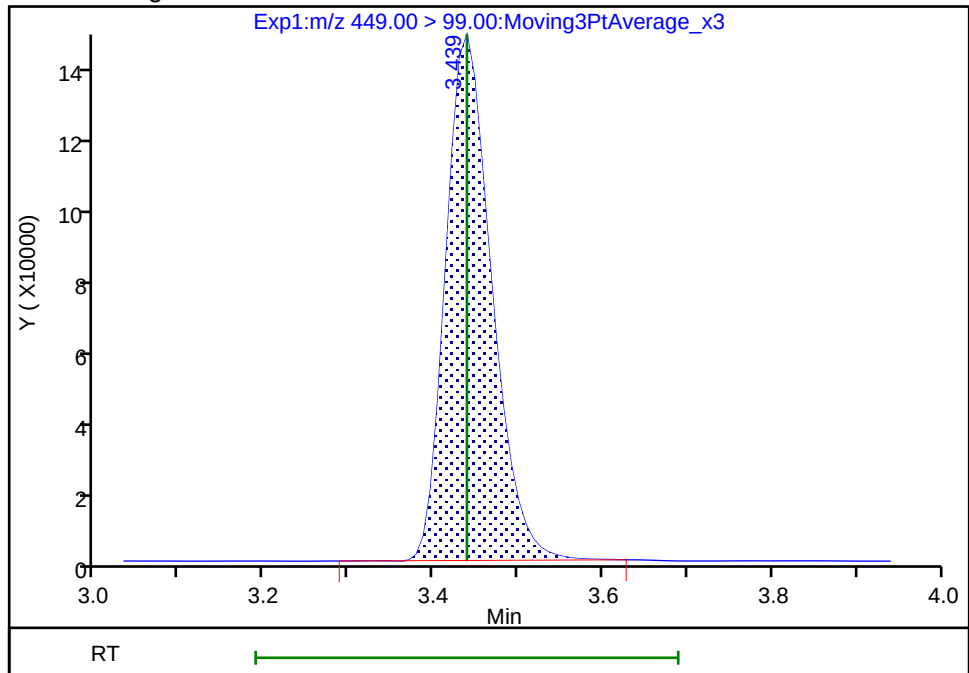
RT: 3.44
Area: 547308
Amount: 2.218630
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 543093
Amount: 2.236625
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:15:08

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

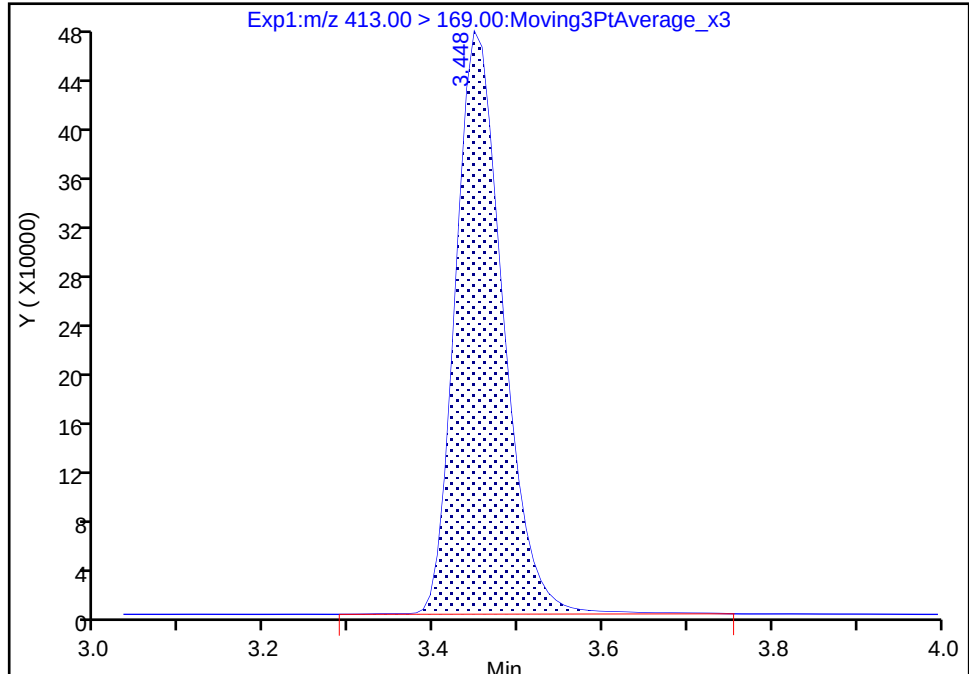
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

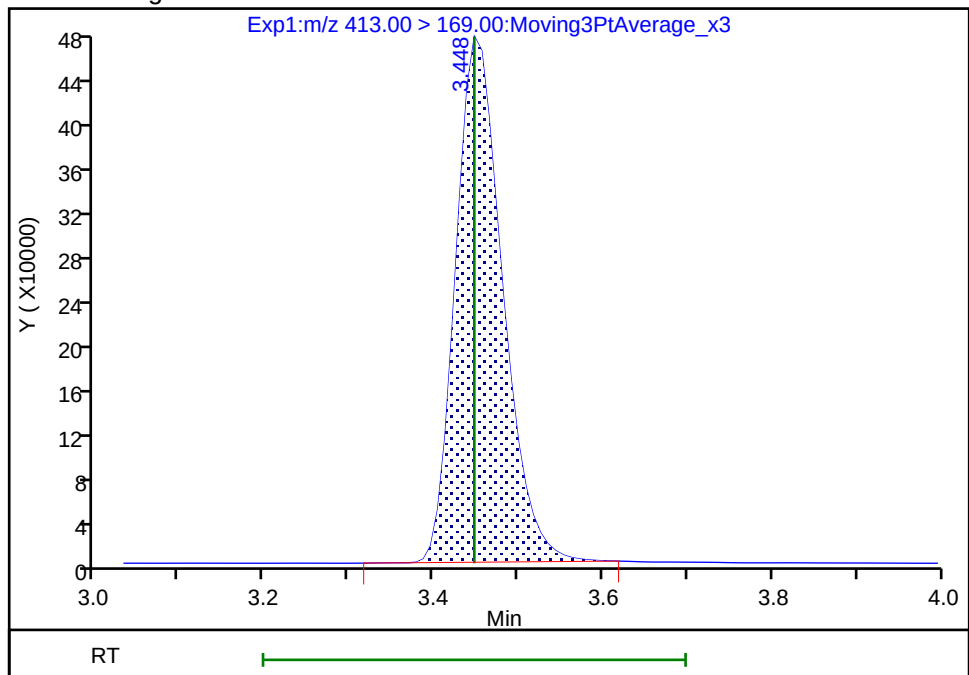
RT: 3.45
Area: 1843216
Amount: 2.392012
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 1822258
Amount: 2.439483
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:15:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

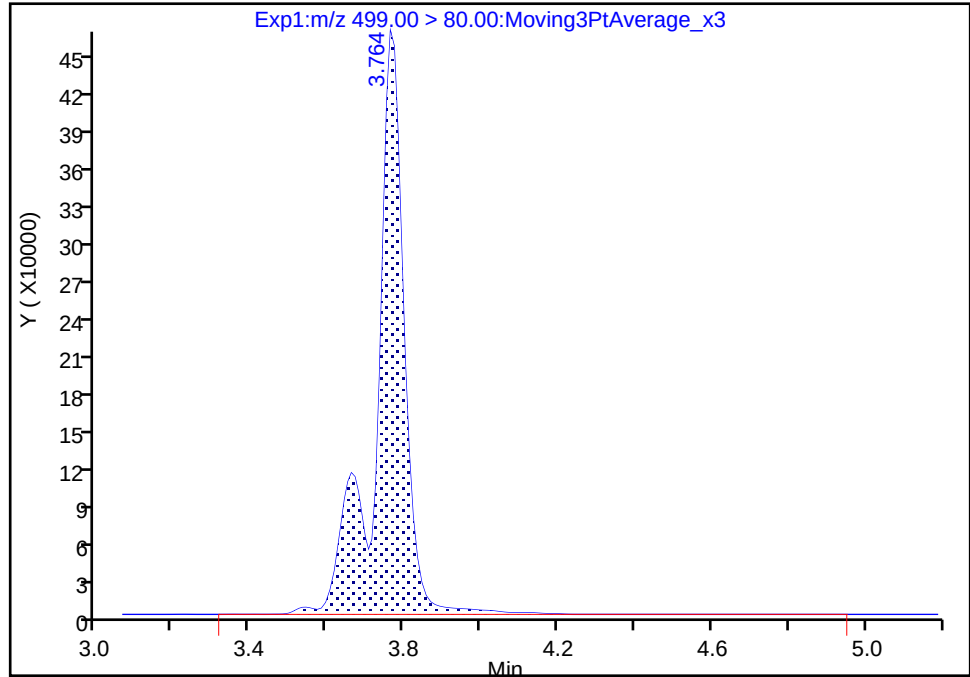
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

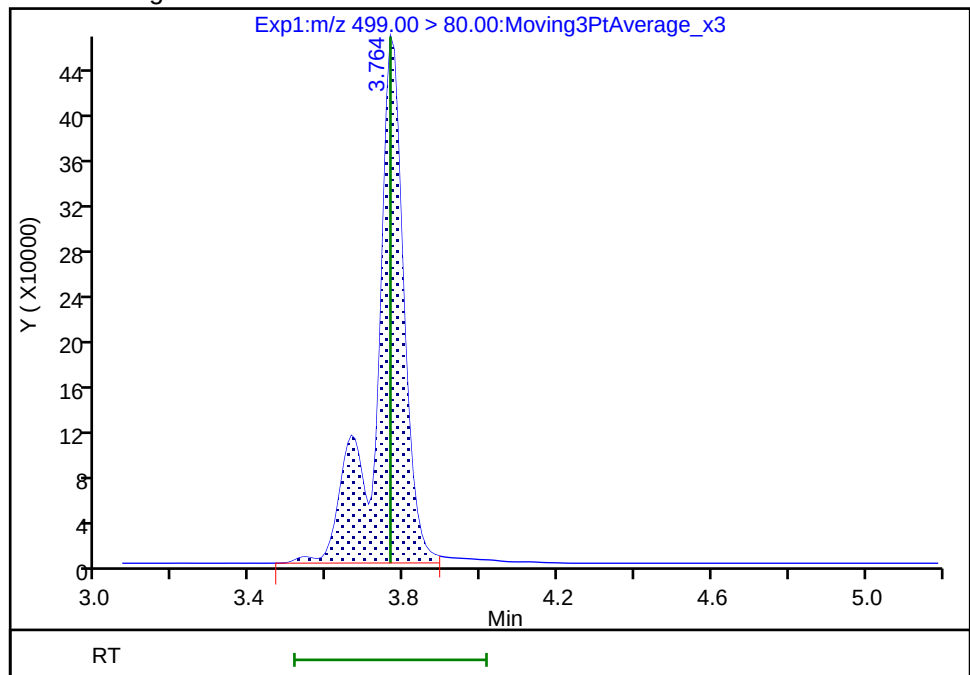
RT: 3.76
Area: 2390090
Amount: 2.188375
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 2338057
Amount: 2.188506
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:15:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

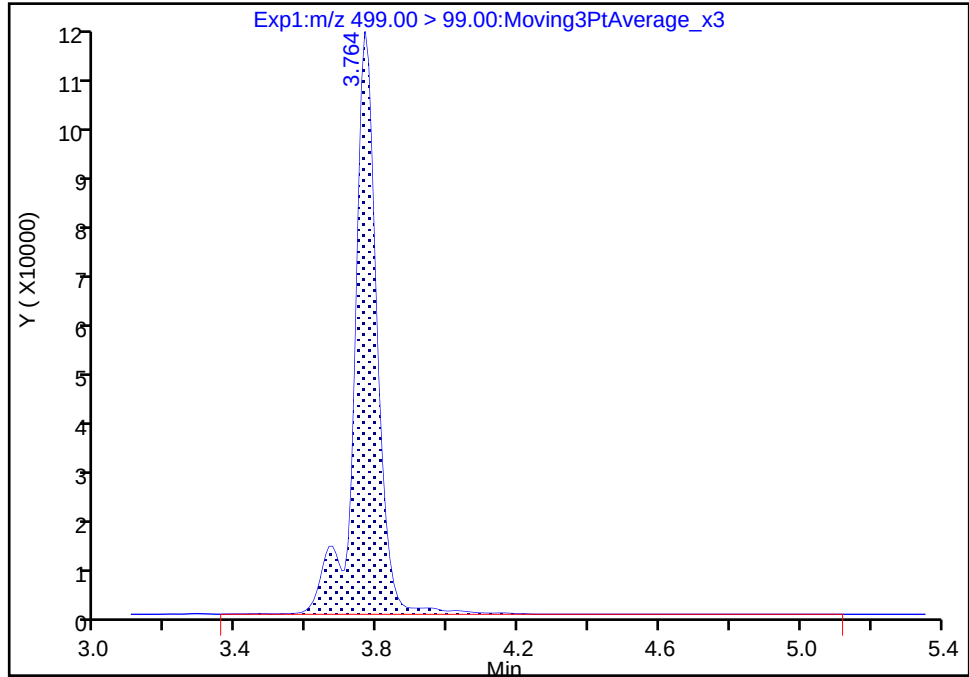
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

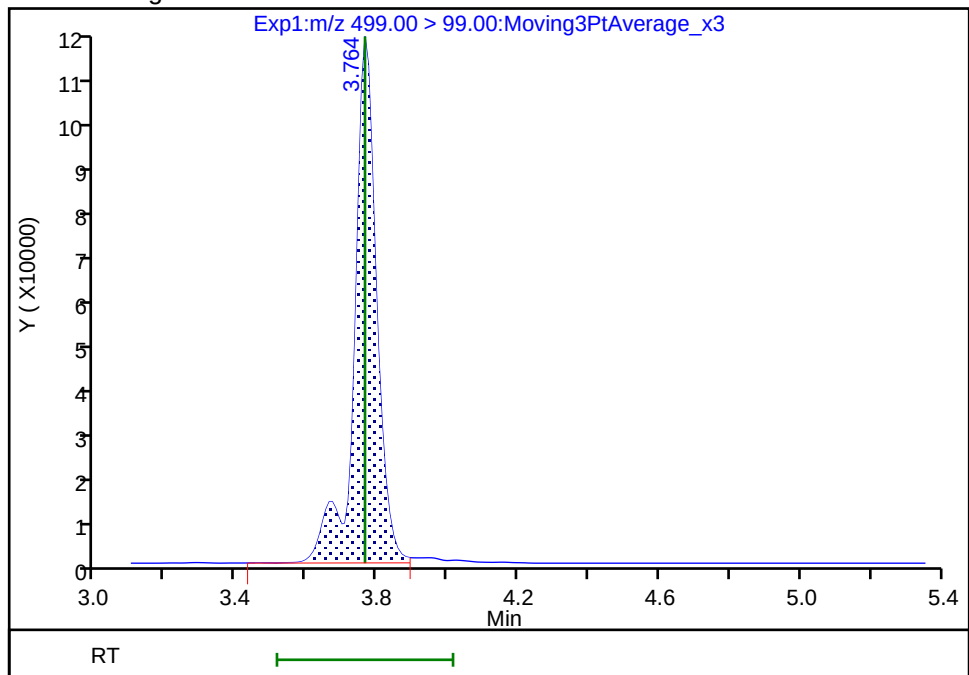
RT: 3.76
Area: 503068
Amount: 2.188375
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 491265
Amount: 2.188506
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:15:56

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

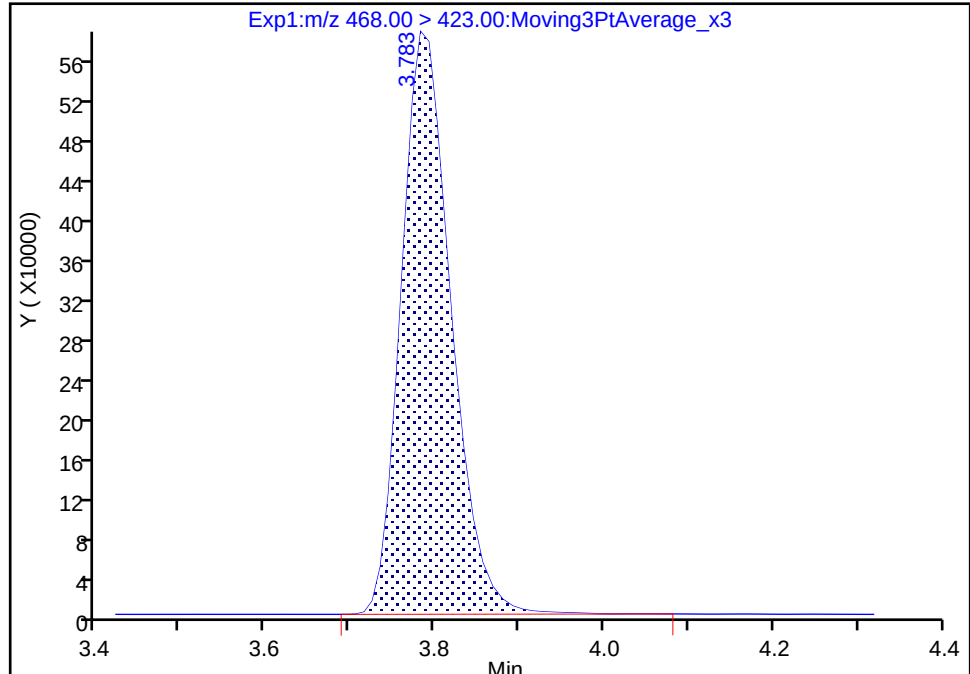
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

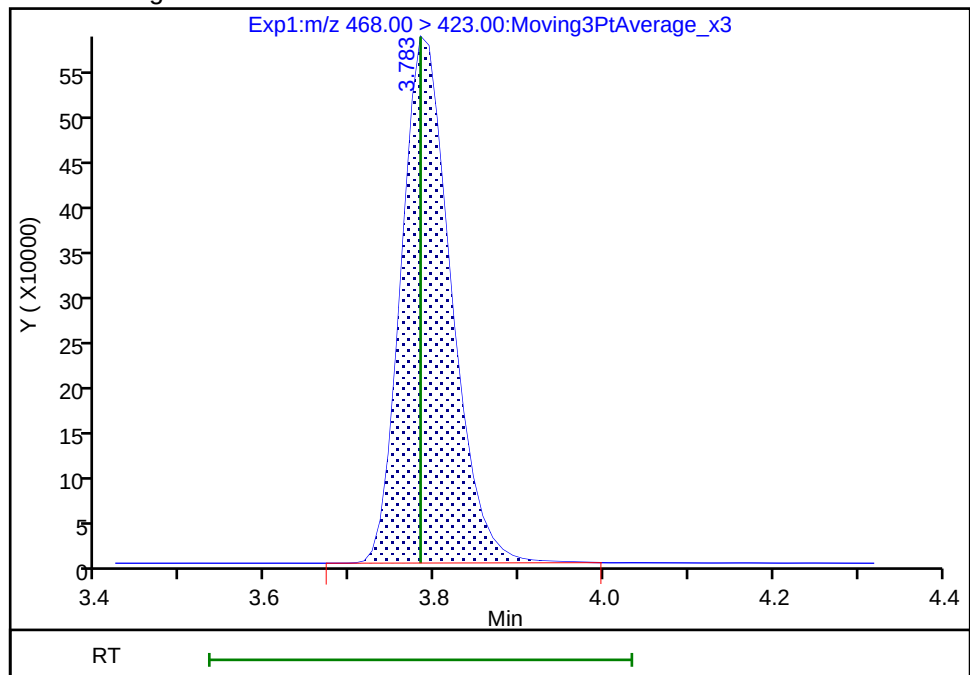
RT: 3.78
Area: 2405533
Amount: 1.262145
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 2401890
Amount: 1.260675
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:16:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

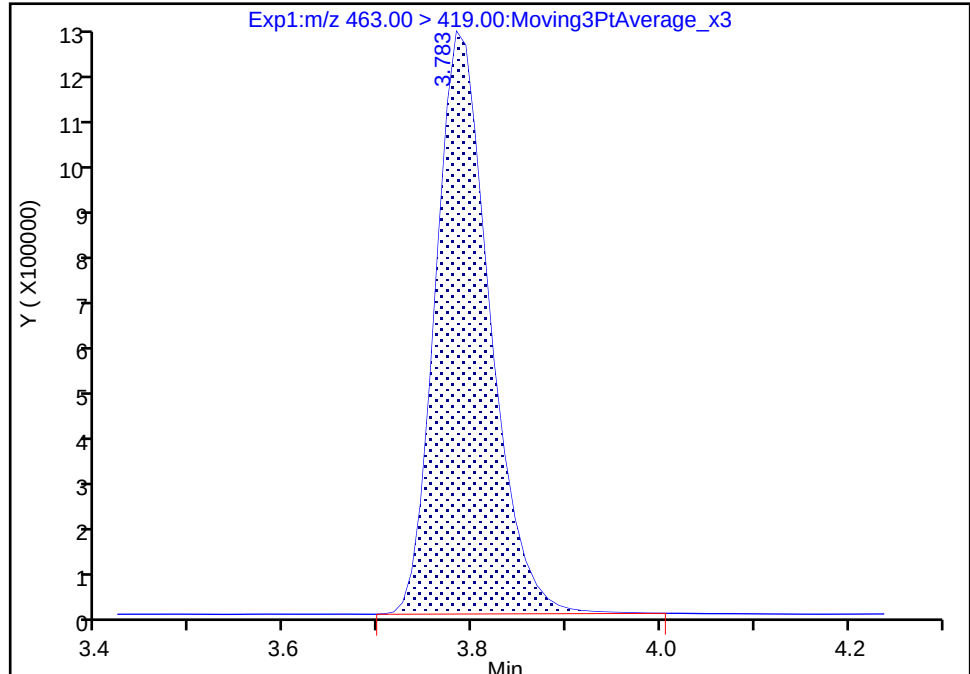
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

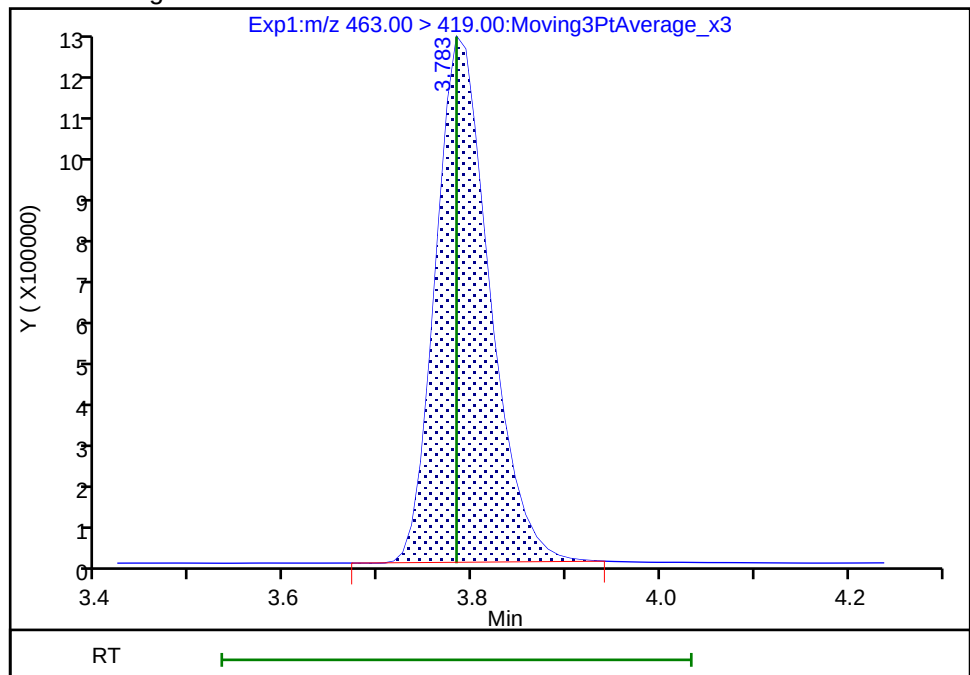
RT: 3.78
Area: 4963599
Amount: 2.455713
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 4930997
Amount: 2.473798
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:16:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

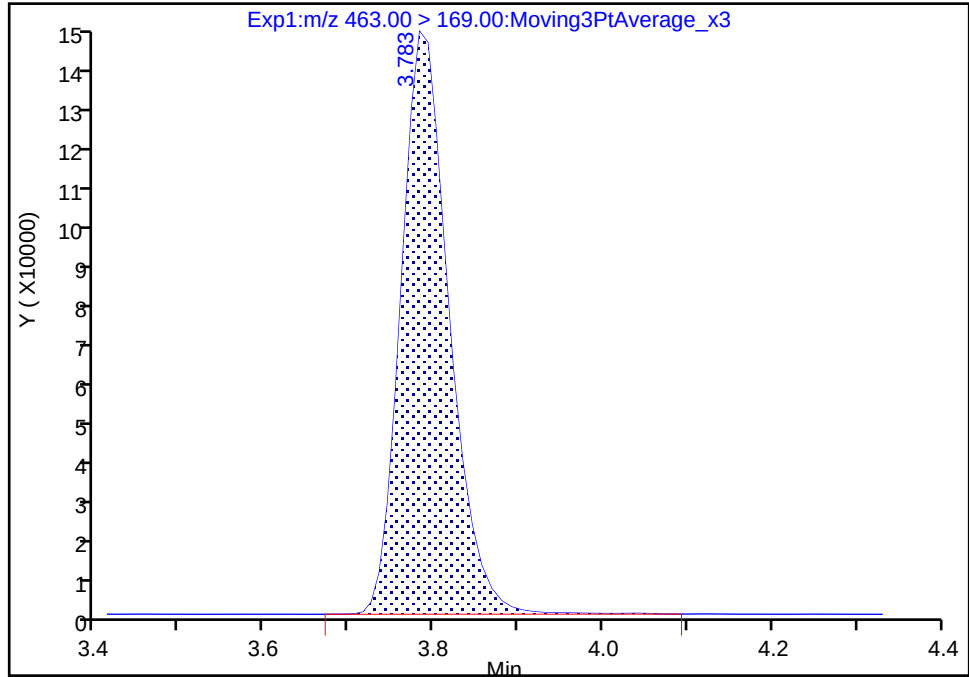
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

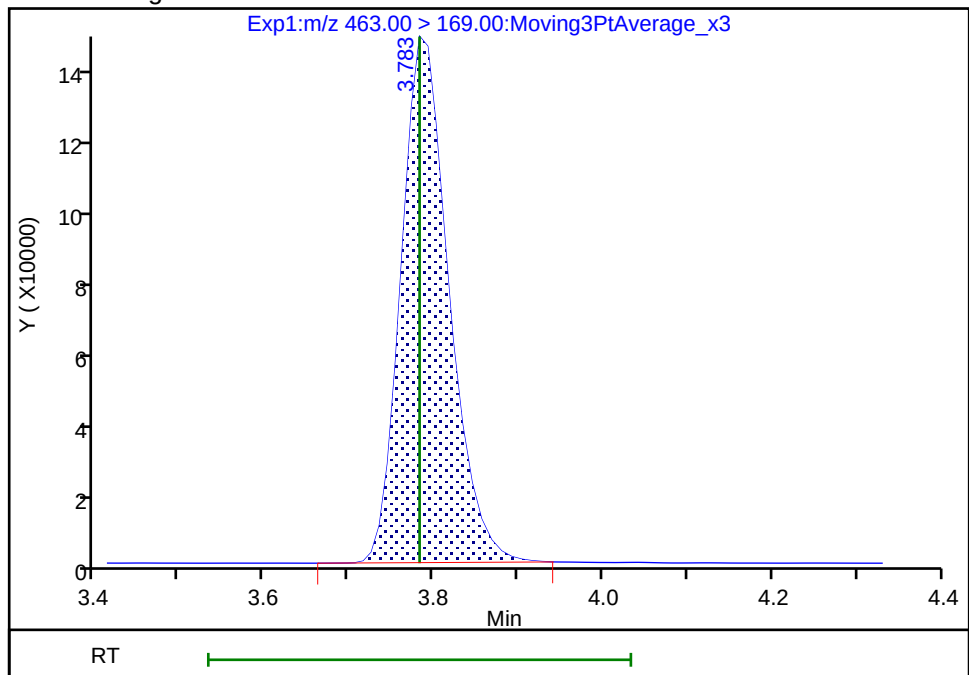
RT: 3.78
Area: 590176
Amount: 2.455713
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 586103
Amount: 2.473798
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:16:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

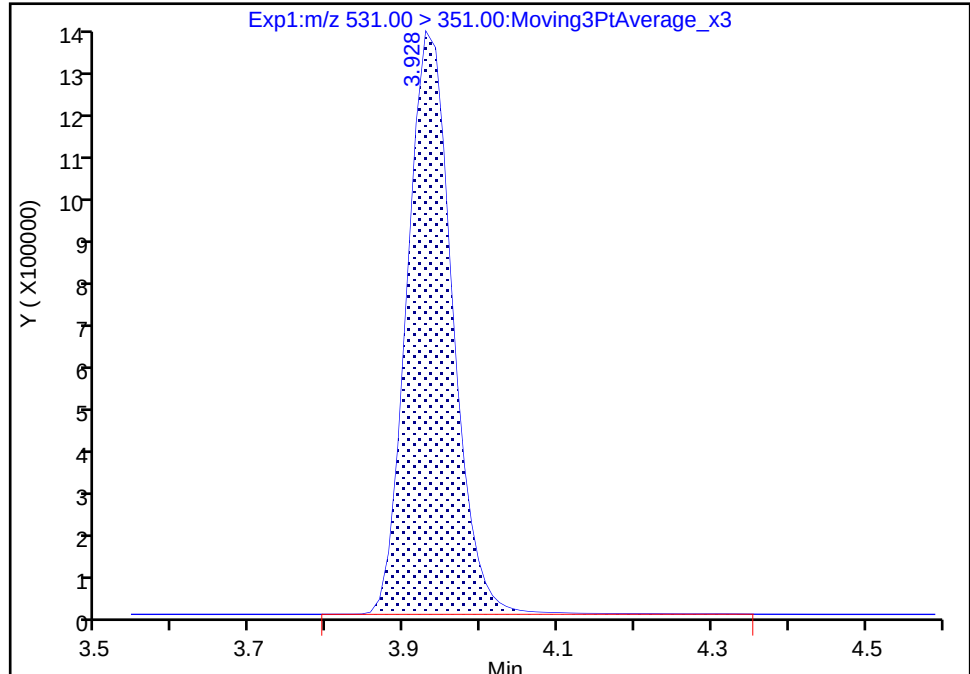
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

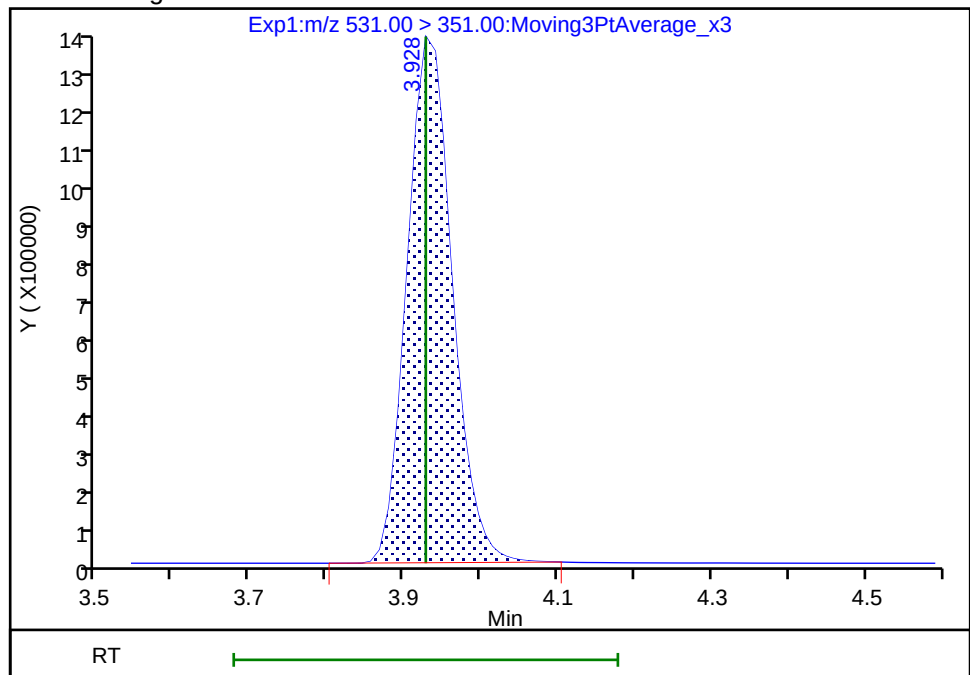
RT: 3.93
Area: 5551905
Amount: 2.217261
Amount Units: ng/ml

Processing Integration Results



RT: 3.93
Area: 5512960
Amount: 2.248411
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:16:48
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

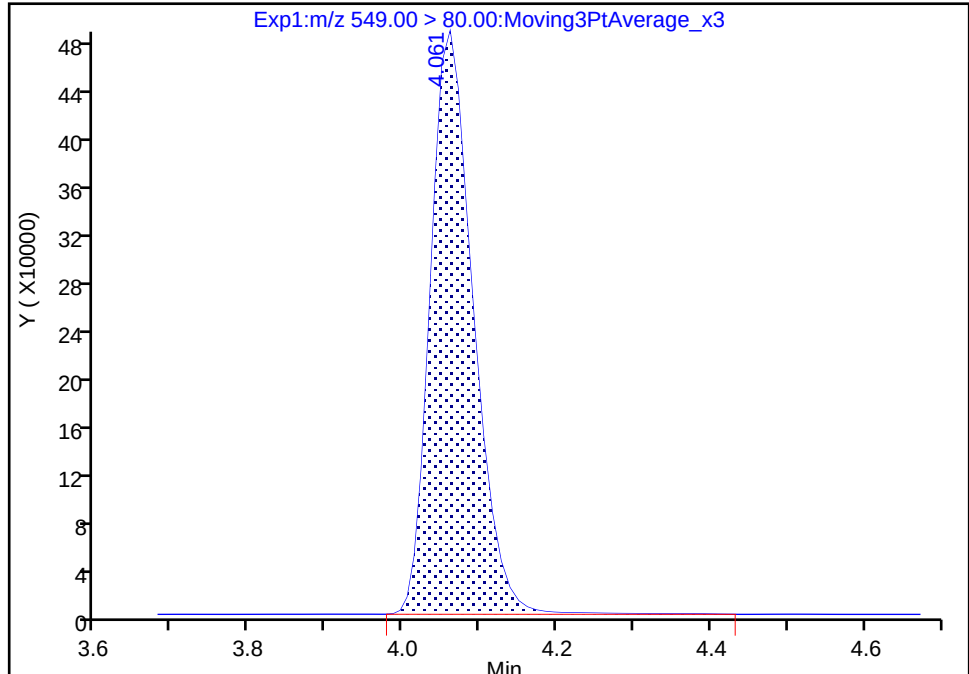
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 1

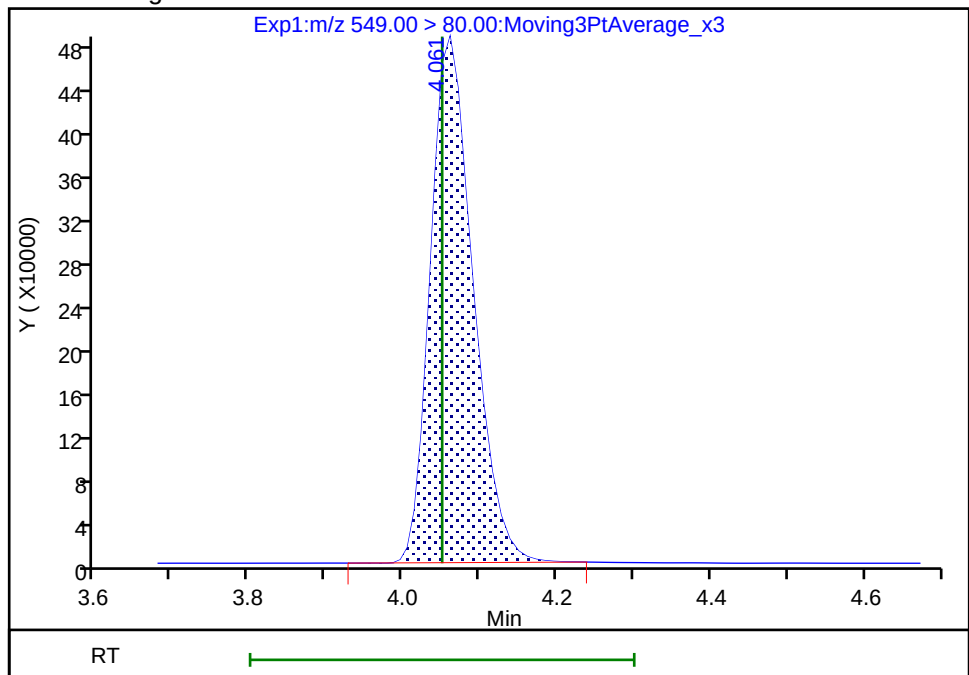
RT: 4.06
Area: 1886351
Amount: 2.304603
Amount Units: ng/ml

Processing Integration Results



RT: 4.06
Area: 1871298
Amount: 2.320704
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:16:55
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

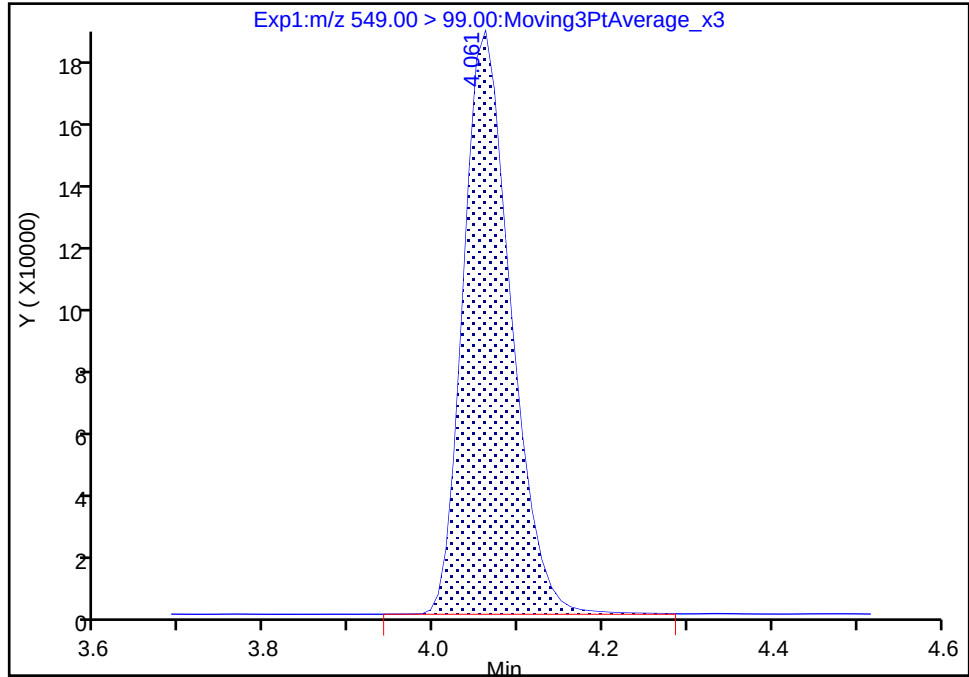
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 2

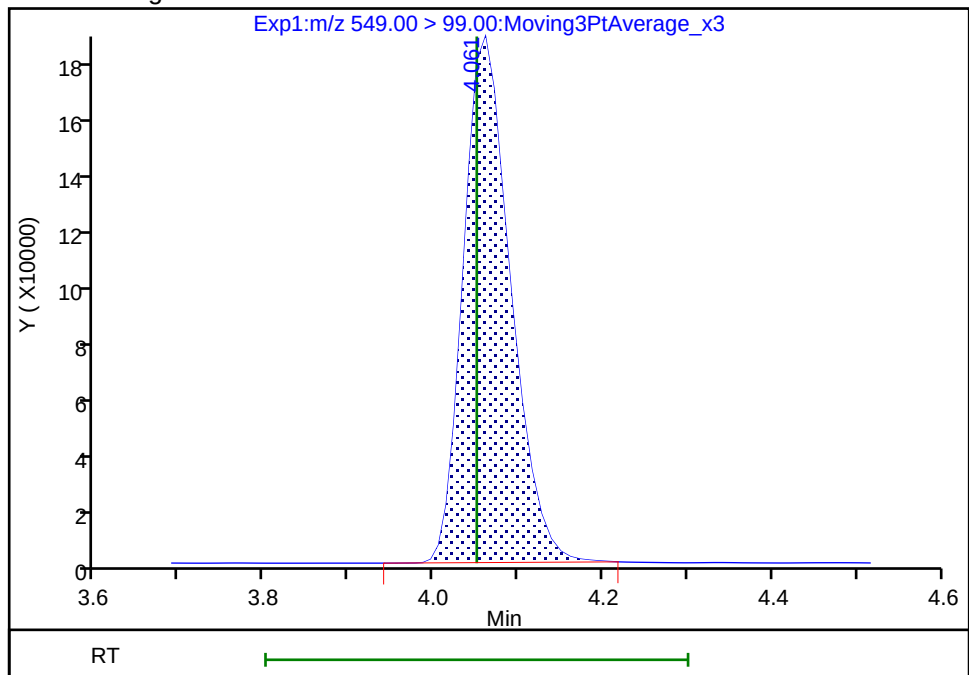
RT: 4.06
Area: 731815
Amount: 2.304603
Amount Units: ng/ml

Processing Integration Results



RT: 4.06
Area: 726837
Amount: 2.320704
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:16:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

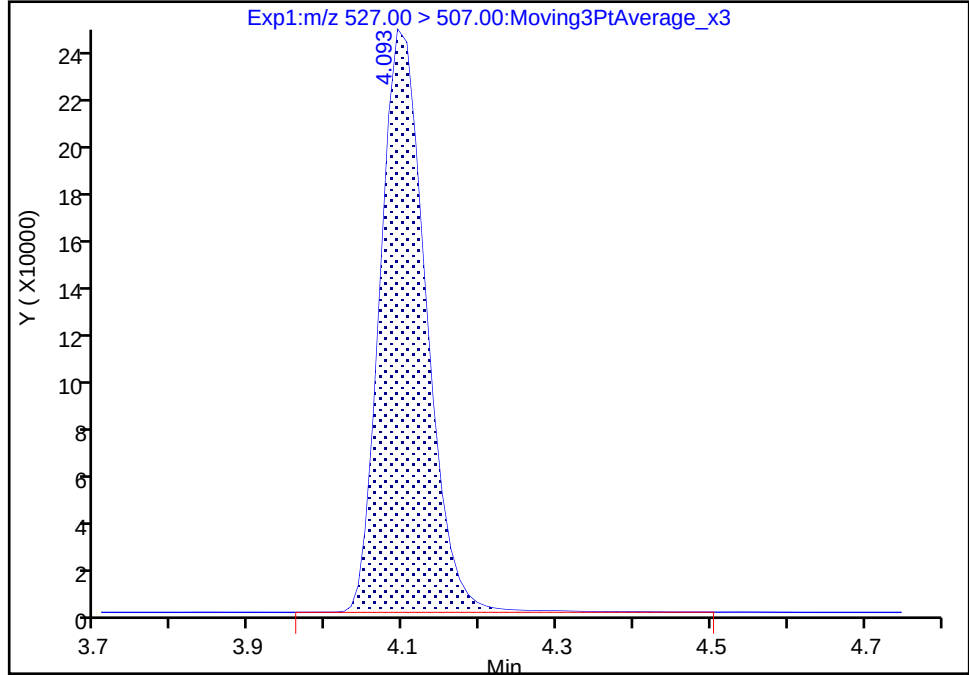
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

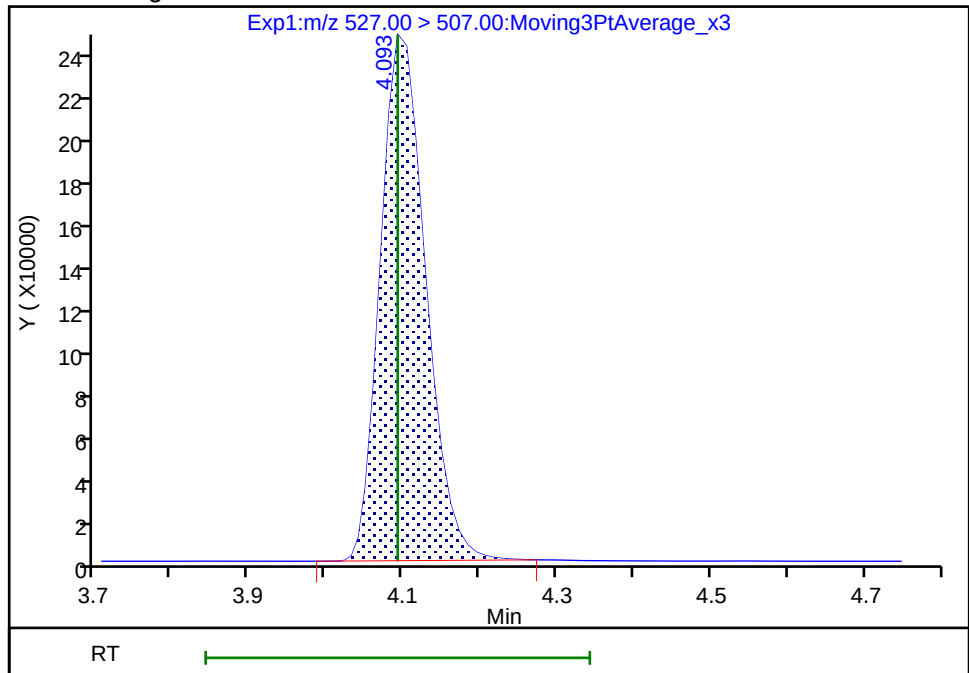
RT: 4.09
Area: 1022916
Amount: 2.334633
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 1014644
Amount: 2.339445
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:17:10
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

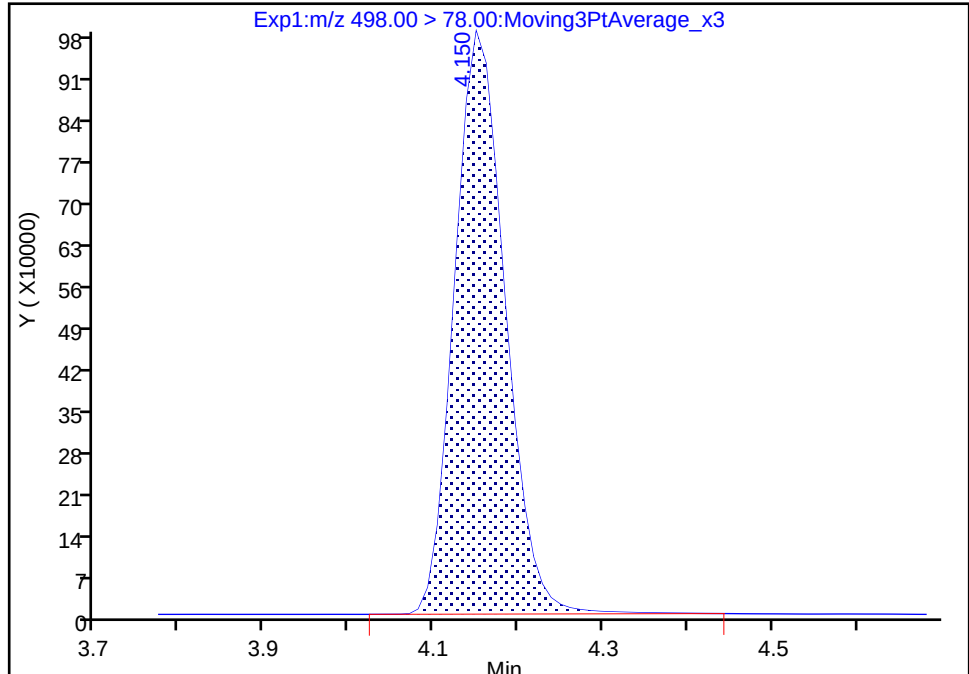
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

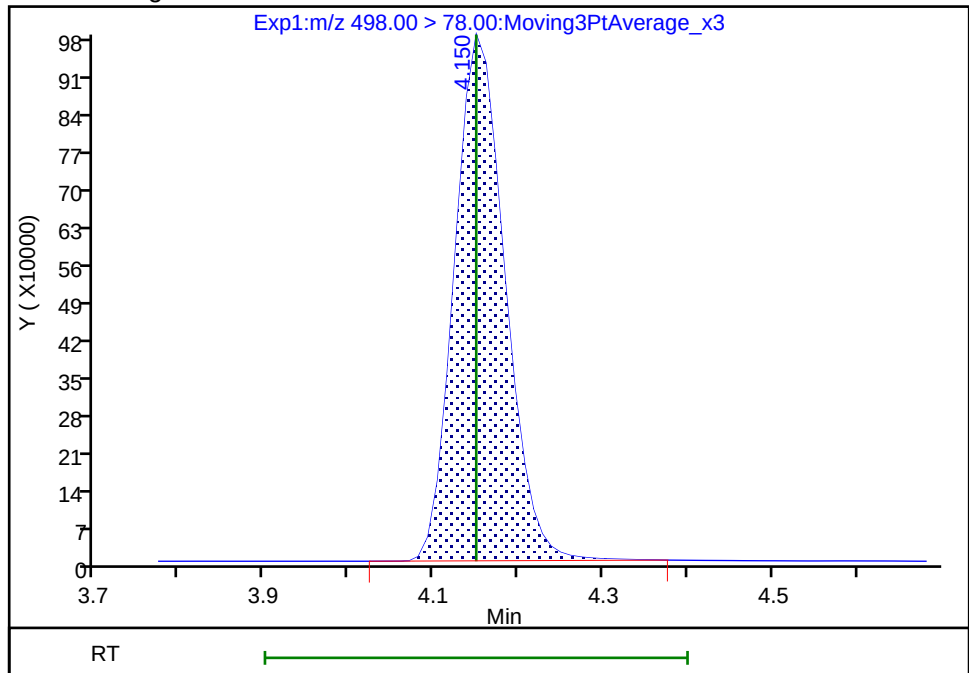
RT: 4.15
Area: 4106928
Amount: 2.428009
Amount Units: ng/ml

Processing Integration Results



RT: 4.15
Area: 4094524
Amount: 2.457676
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:17:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

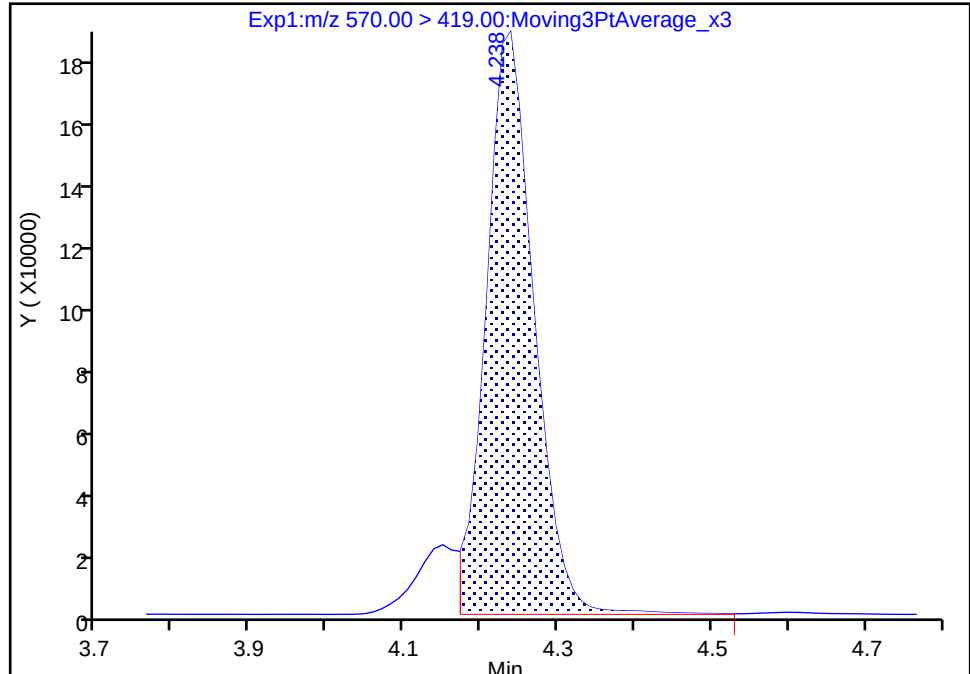
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

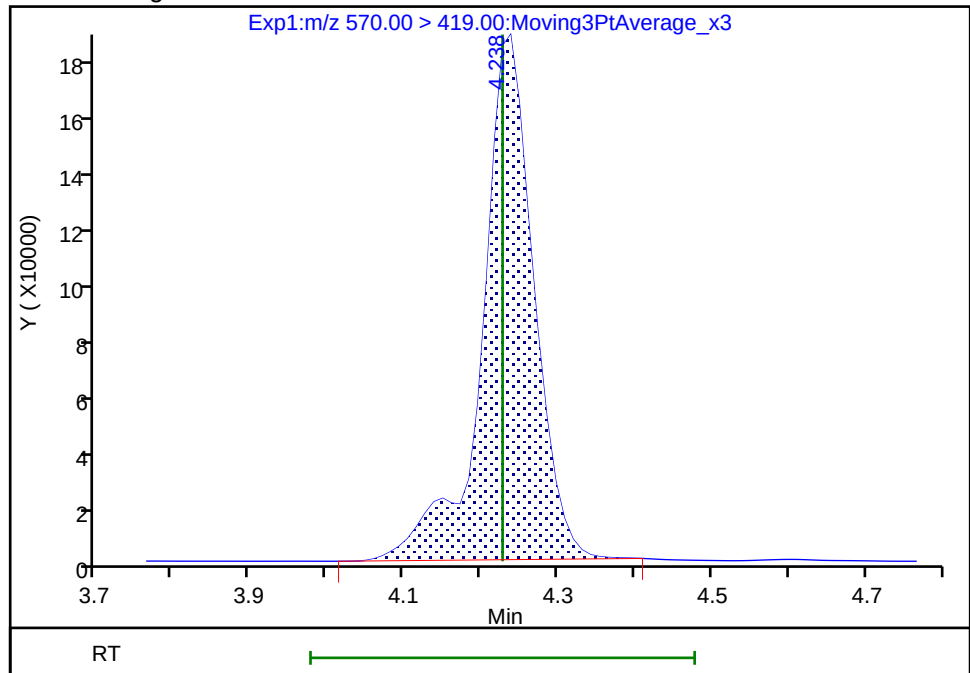
RT: 4.24
Area: 804661
Amount: 2.140771
Amount Units: ng/ml

Processing Integration Results



RT: 4.24
Area: 873622
Amount: 2.456951
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:17:25
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

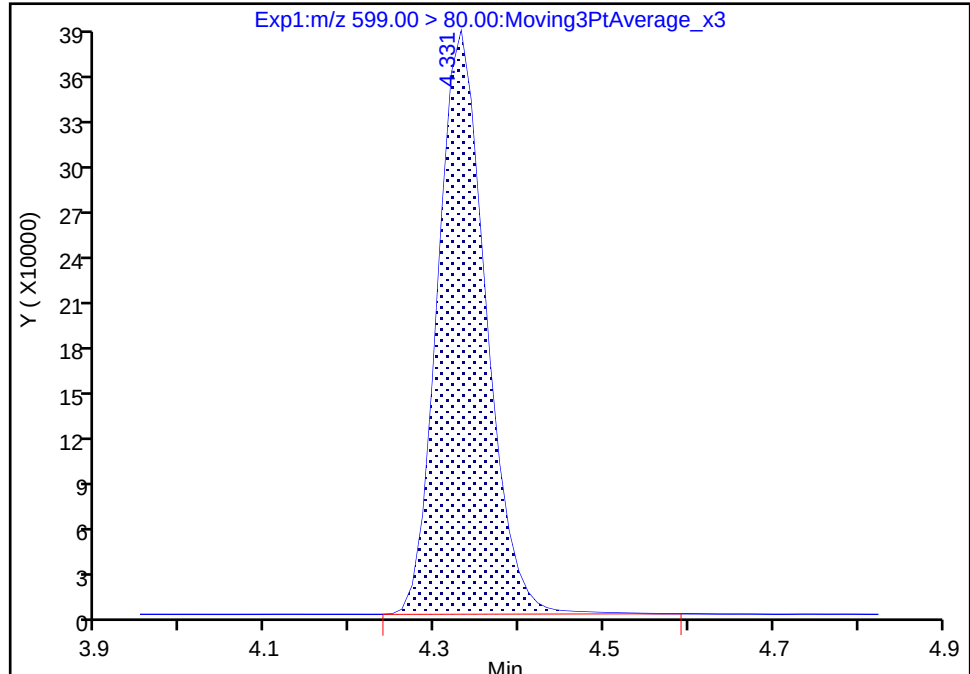
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

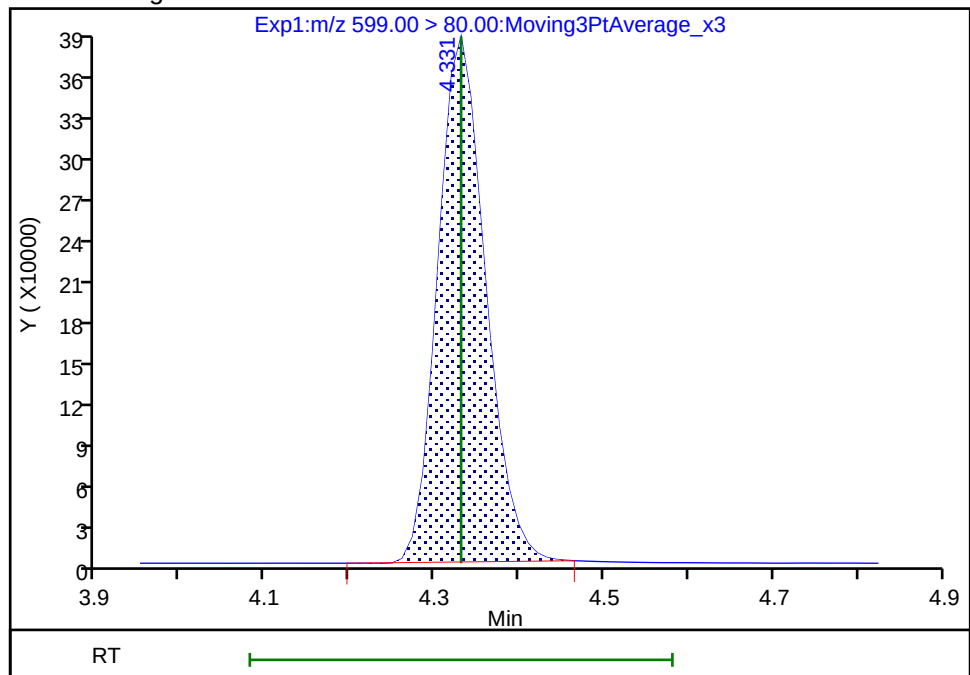
RT: 4.33
Area: 1514276
Amount: 2.351873
Amount Units: ng/ml

Processing Integration Results



RT: 4.33
Area: 1496790
Amount: 2.350920
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:17:30
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

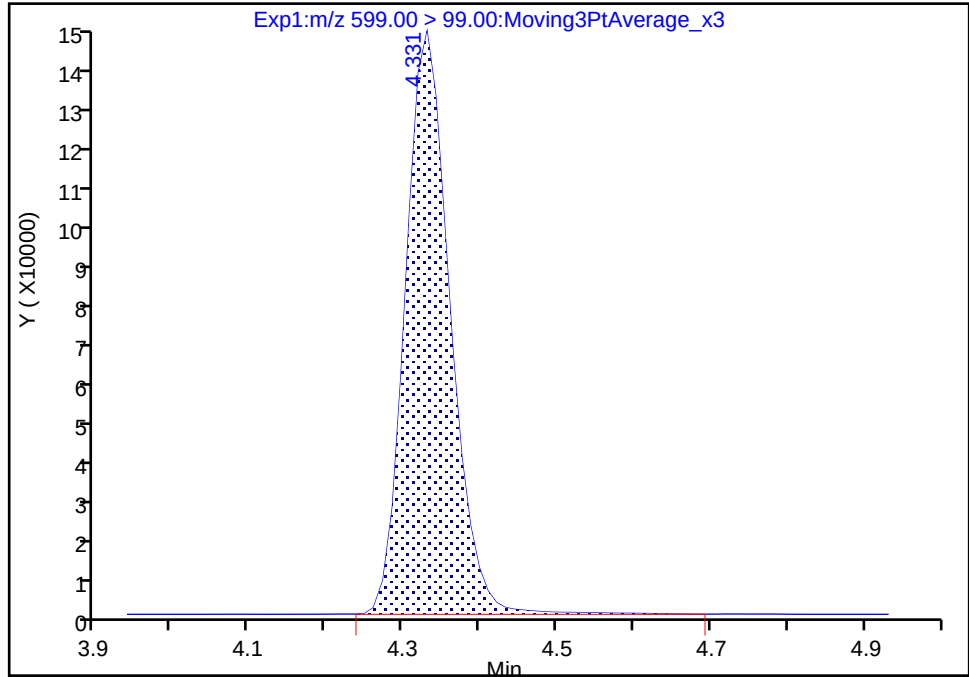
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

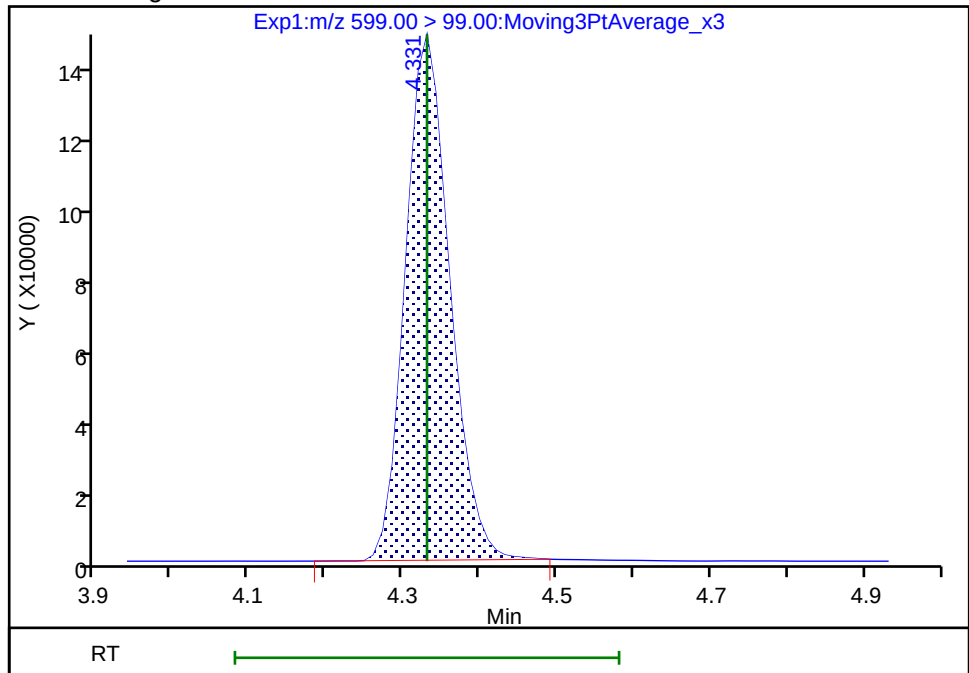
RT: 4.33
Area: 570570
Amount: 2.351873
Amount Units: ng/ml

Processing Integration Results



RT: 4.33
Area: 562866
Amount: 2.350920
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:17:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

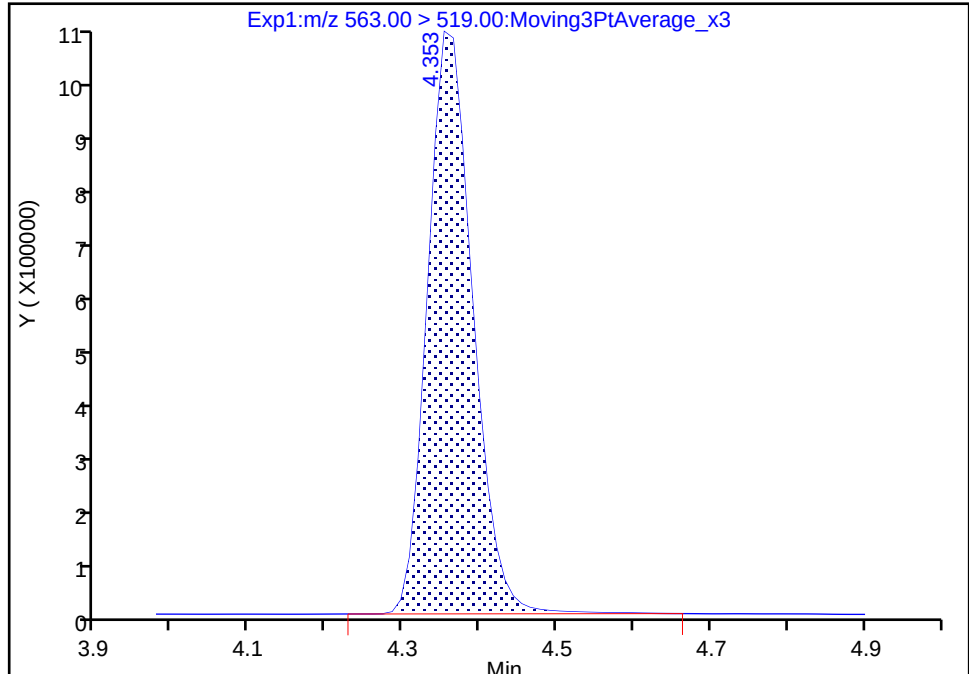
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

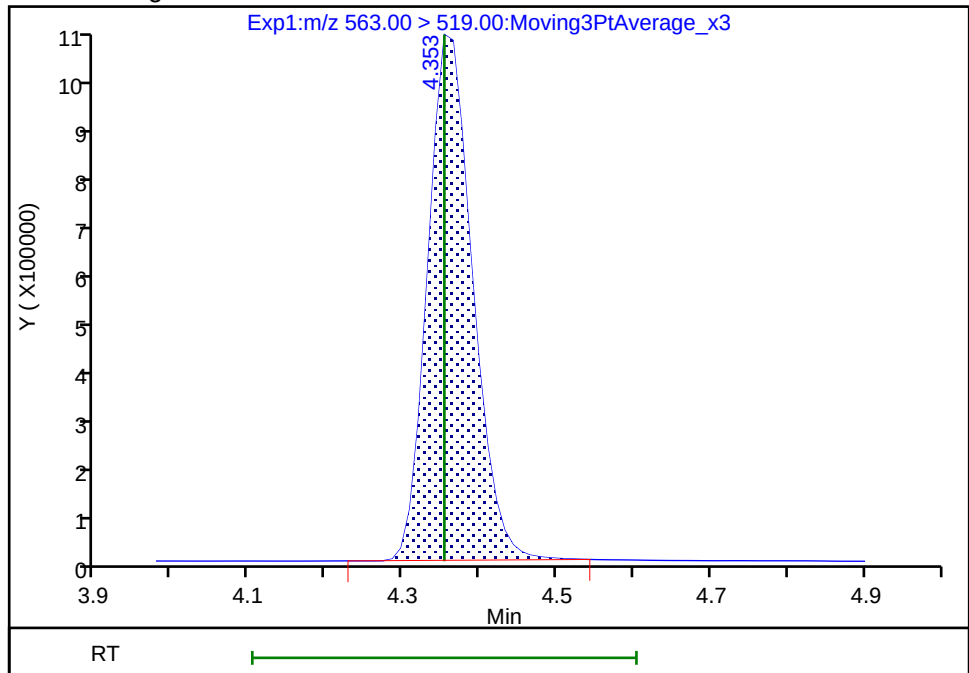
RT: 4.35
Area: 4342724
Amount: 2.330777
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 4311823
Amount: 2.366739
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:17:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

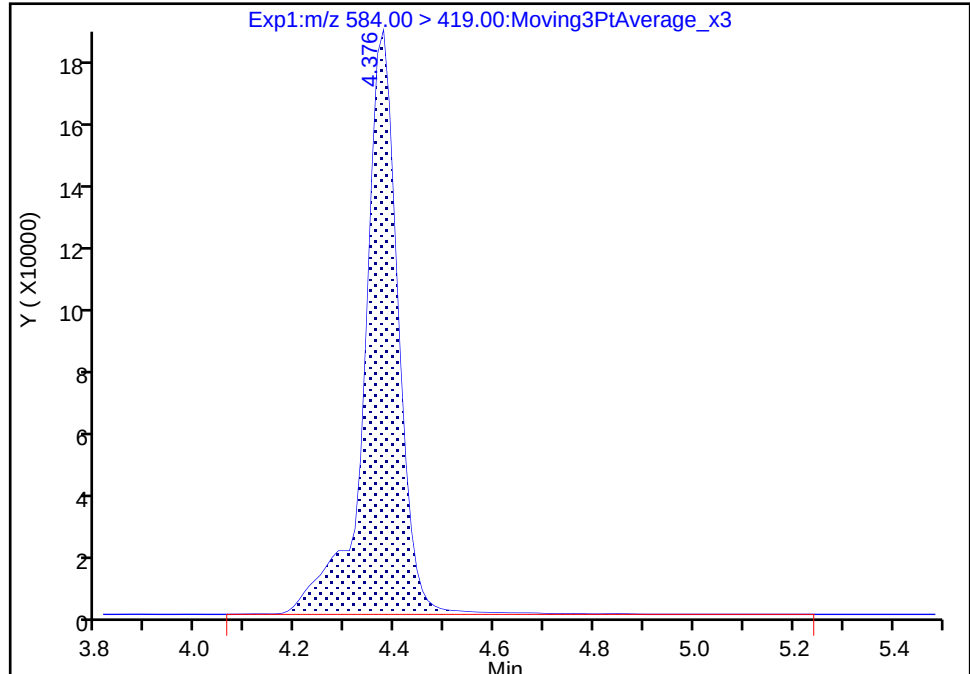
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

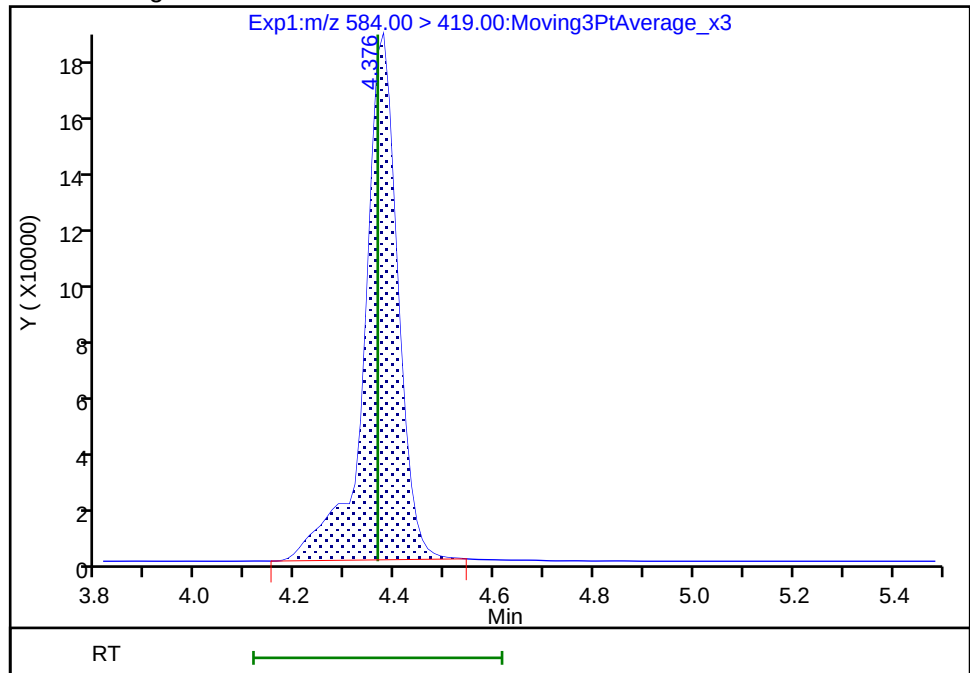
RT: 4.38
Area: 865426
Amount: 2.394972
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 848987
Amount: 2.386775
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:17:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

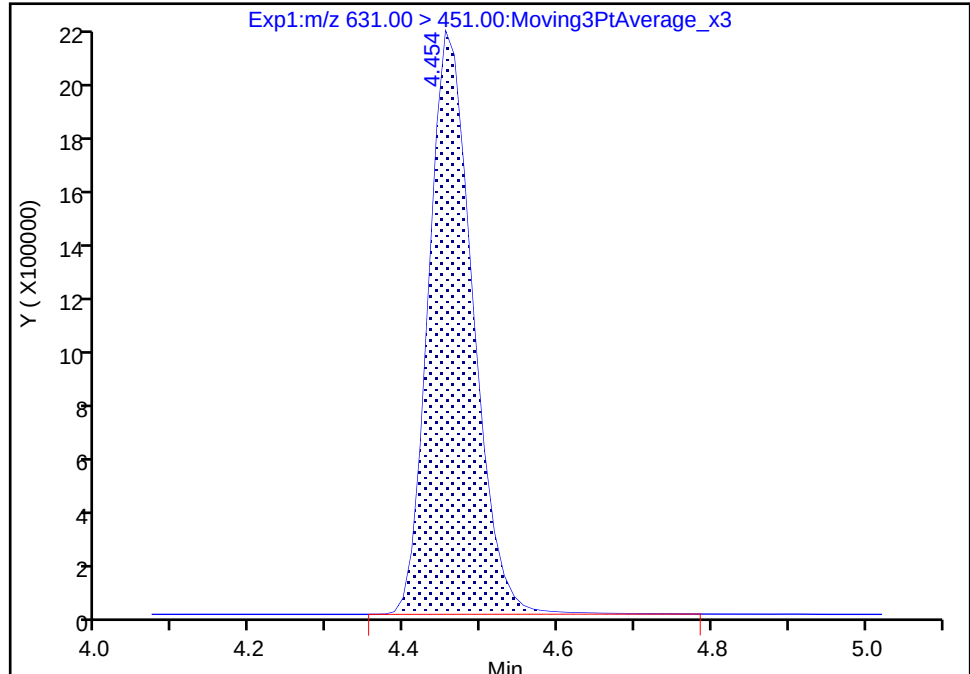
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

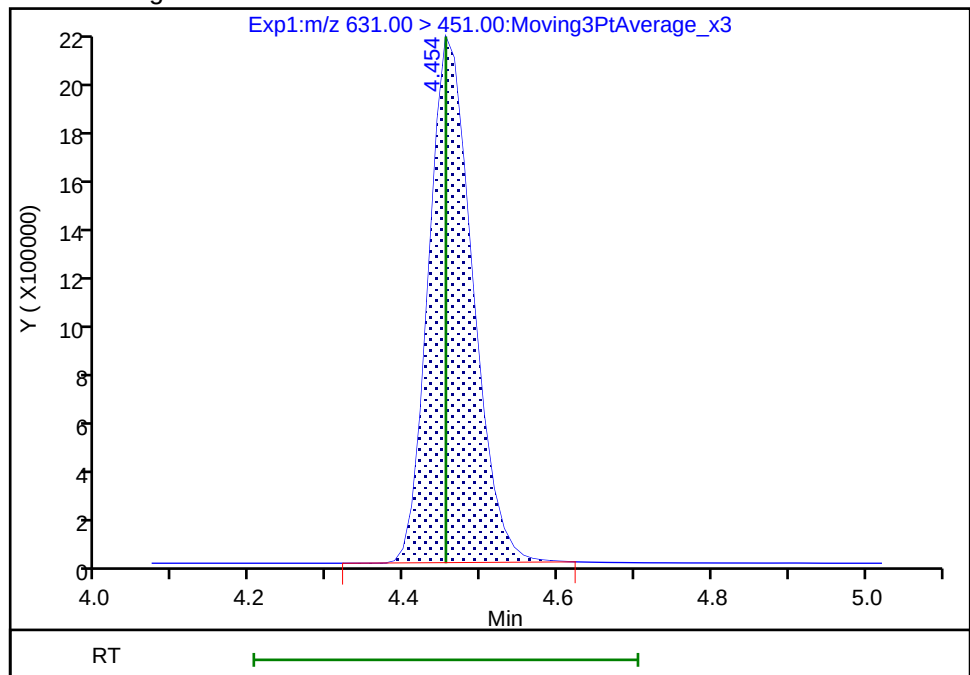
RT: 4.45
Area: 8707195
Amount: 2.232773
Amount Units: ng/ml

Processing Integration Results



RT: 4.45
Area: 8644779
Amount: 2.287172
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:18:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

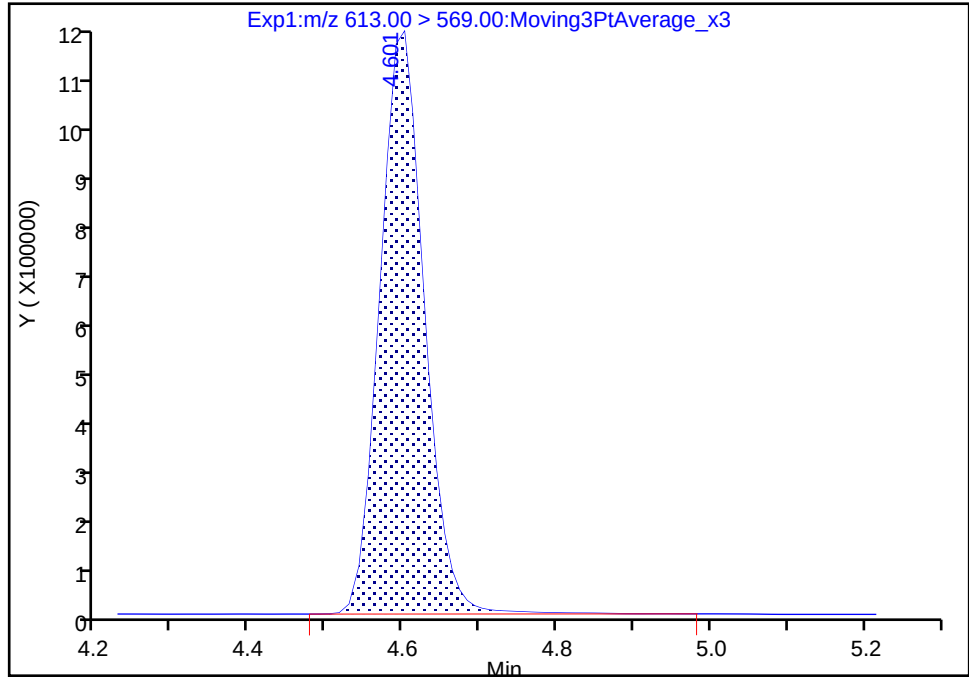
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

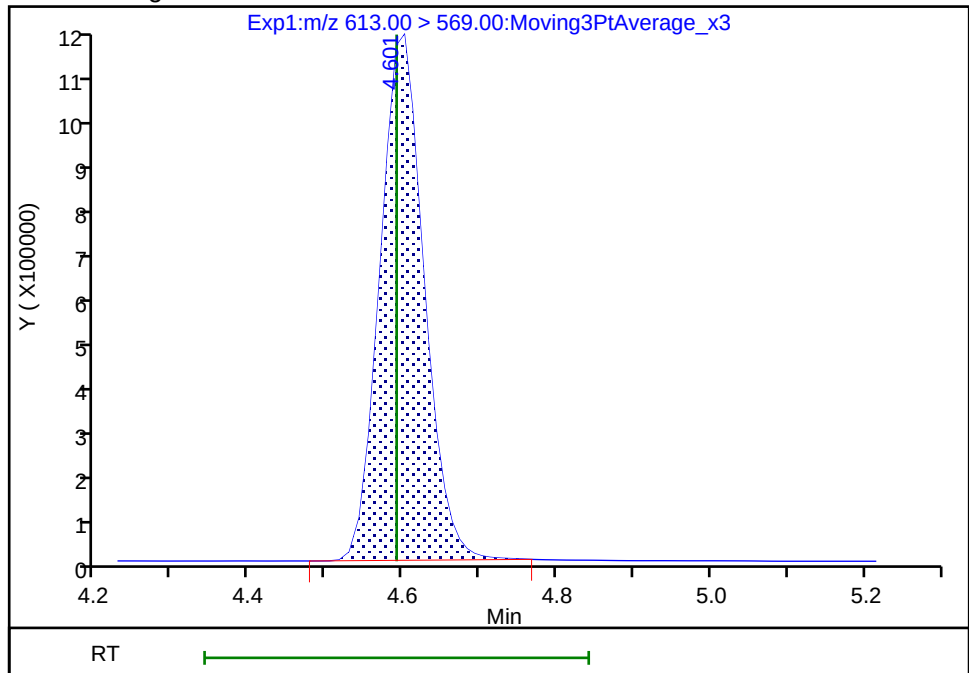
RT: 4.60
Area: 4561804
Amount: 2.236540
Amount Units: ng/ml

Processing Integration Results



RT: 4.60
Area: 4520955
Amount: 2.275287
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:18:07
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

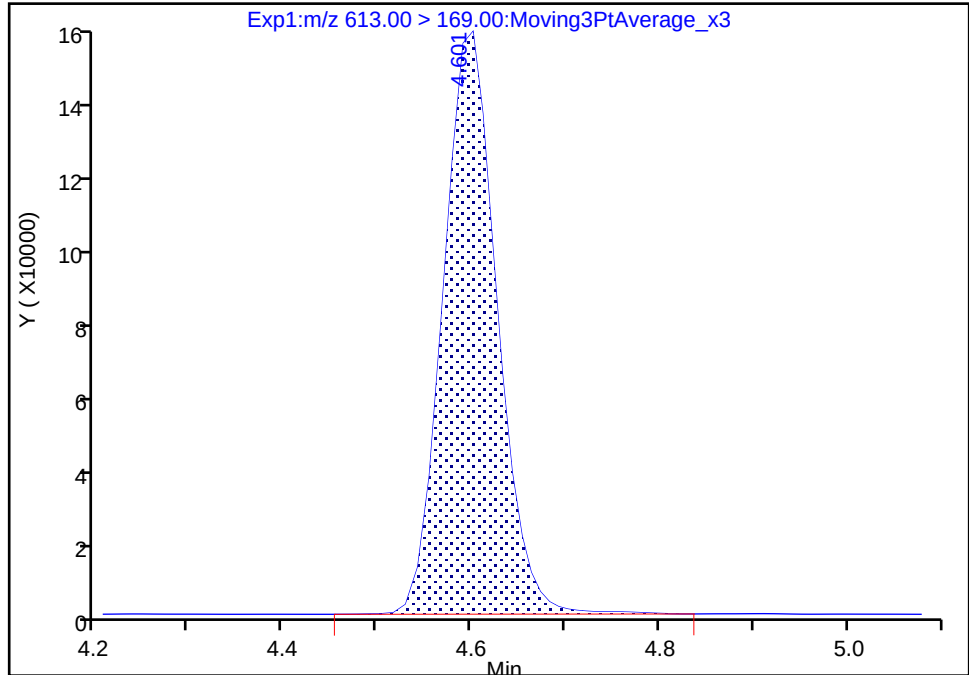
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

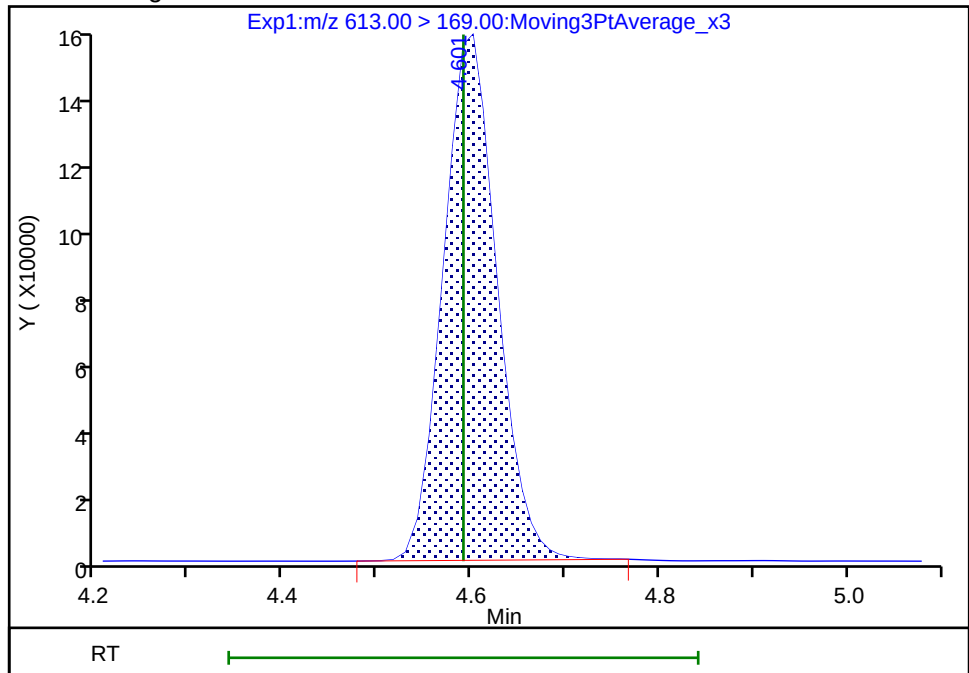
RT: 4.60
Area: 634336
Amount: 2.236540
Amount Units: ng/ml

Processing Integration Results



RT: 4.60
Area: 628962
Amount: 2.275287
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:18:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

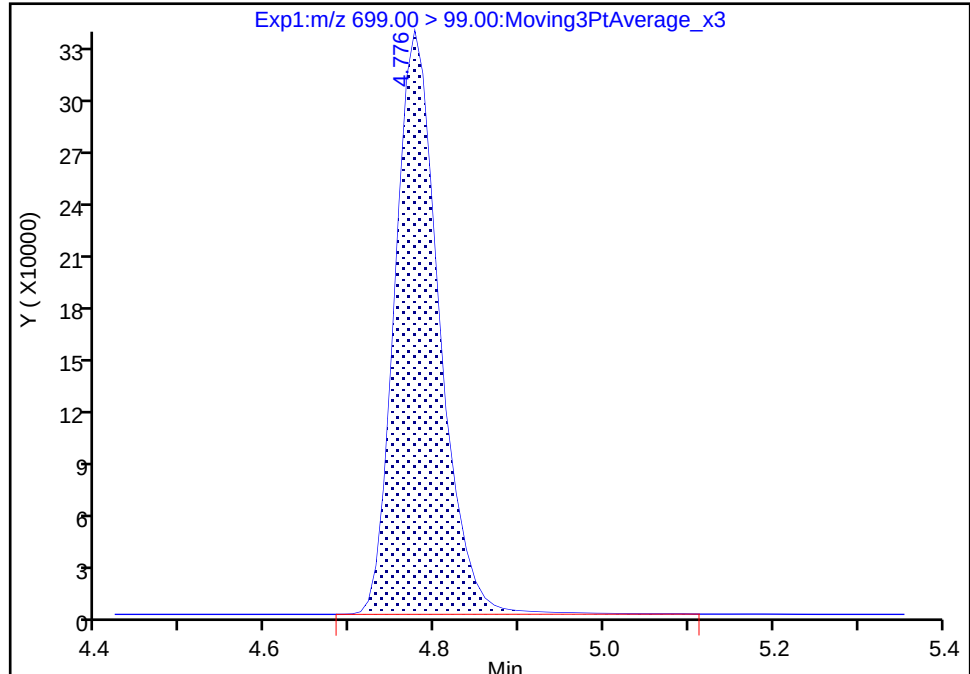
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 2

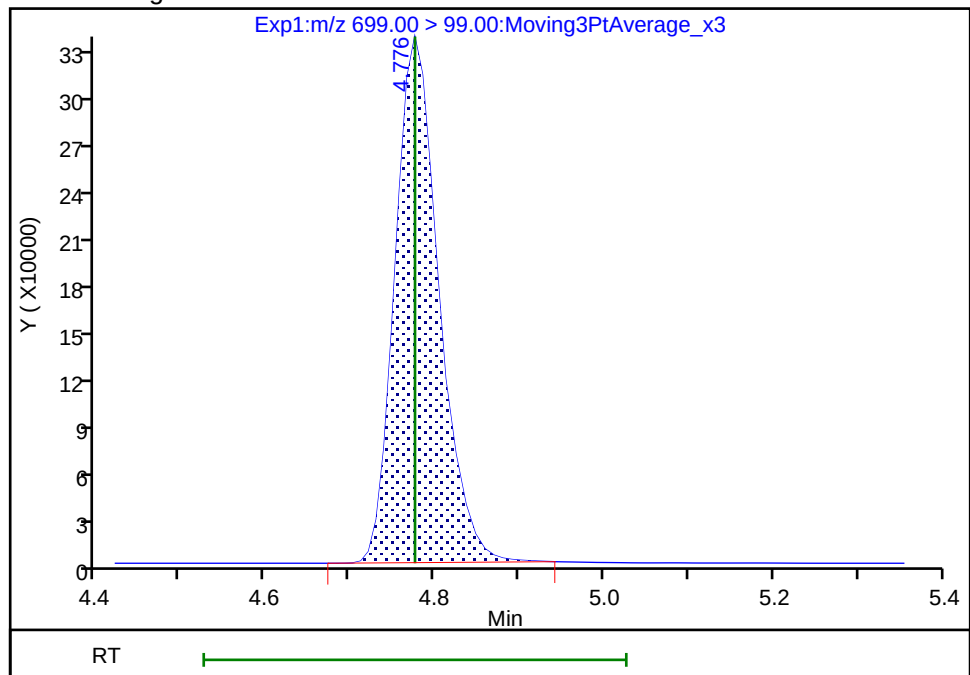
RT: 4.78
Area: 1228390
Amount: 2.299098
Amount Units: ng/ml

Processing Integration Results



RT: 4.78
Area: 1217795
Amount: 2.338289
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:18:20
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

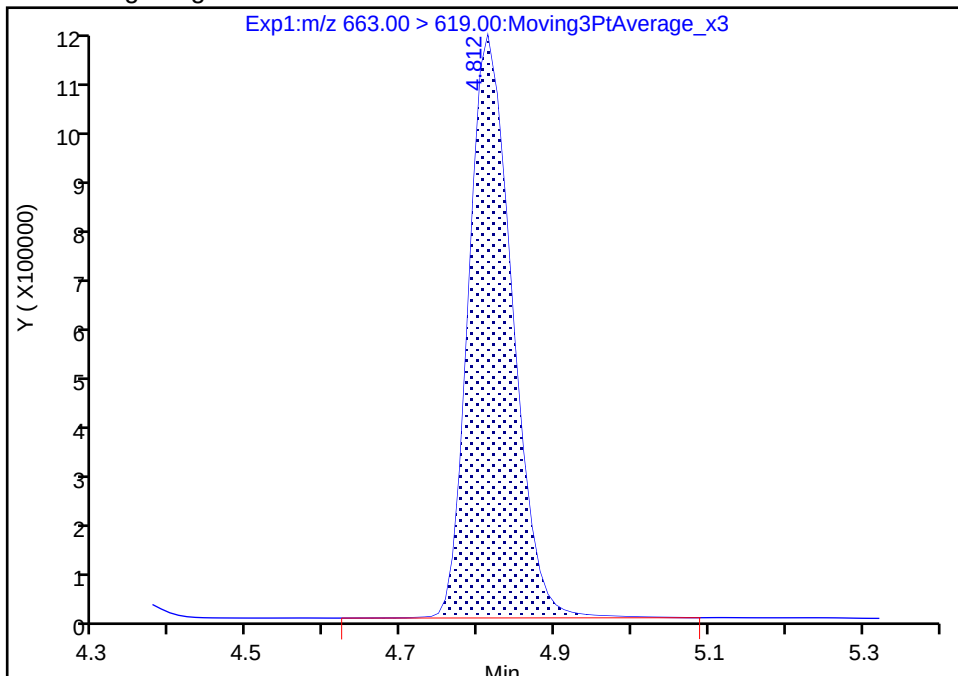
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

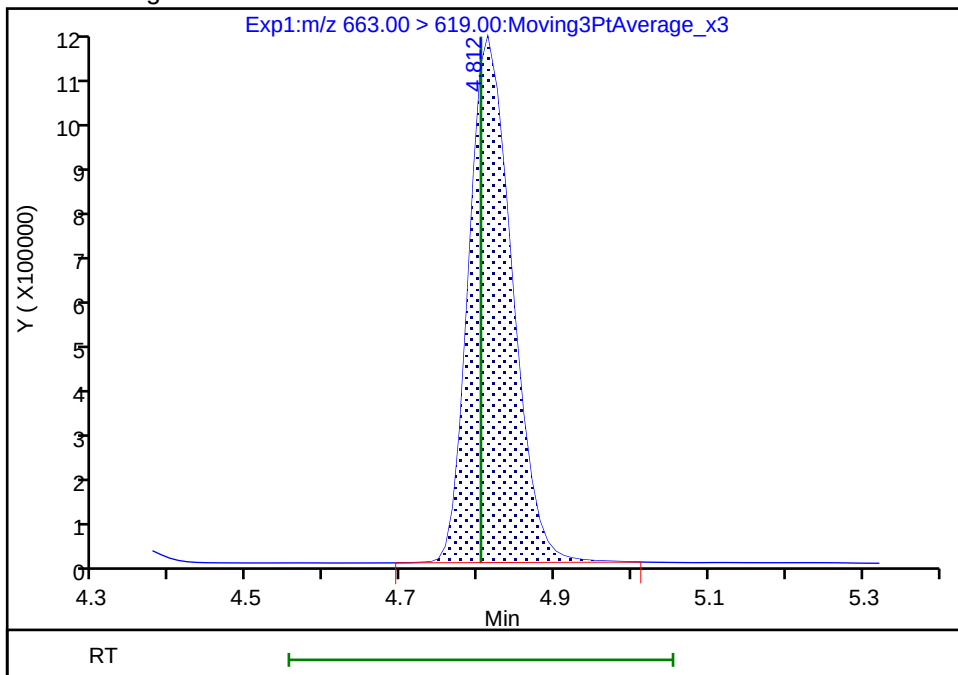
RT: 4.81
Area: 4593419
Amount: 2.351993
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 4574880
Amount: 2.407485
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:18:24

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

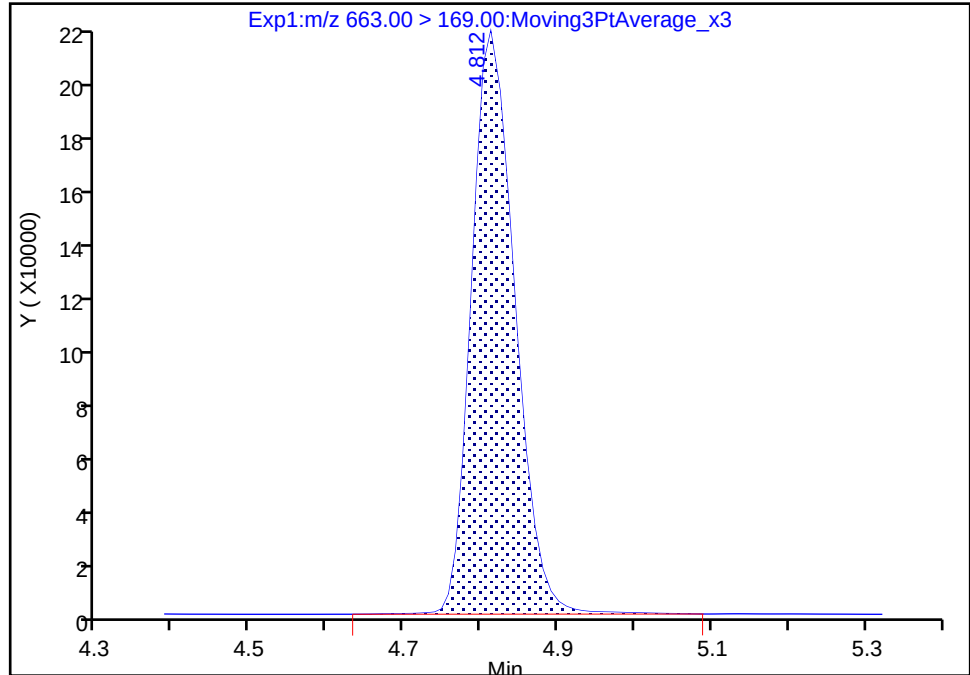
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

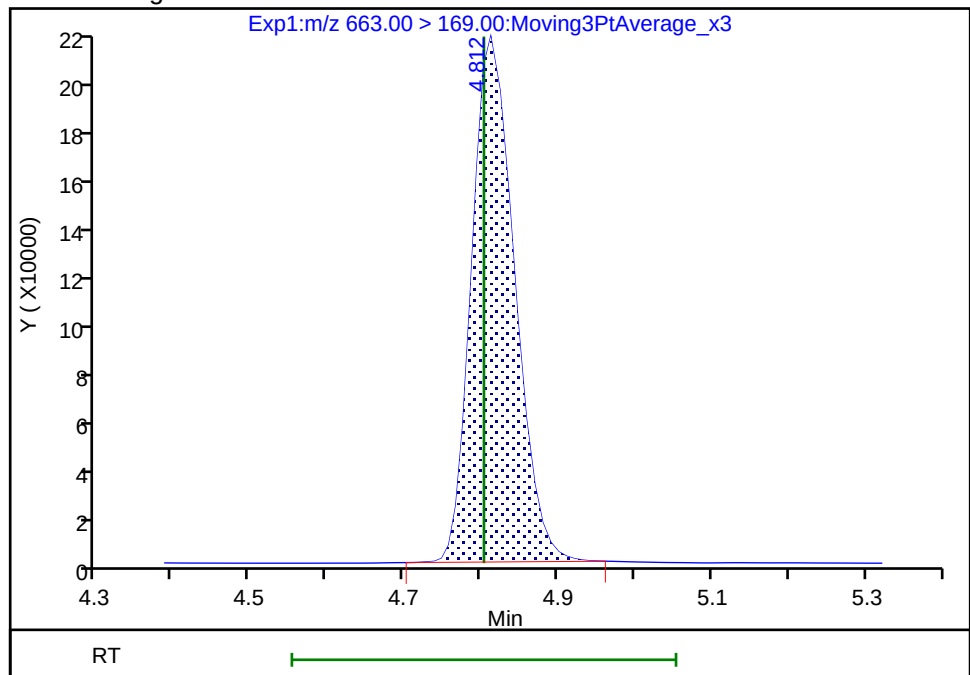
RT: 4.81
Area: 851410
Amount: 2.351993
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 841148
Amount: 2.407485
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:18:28

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

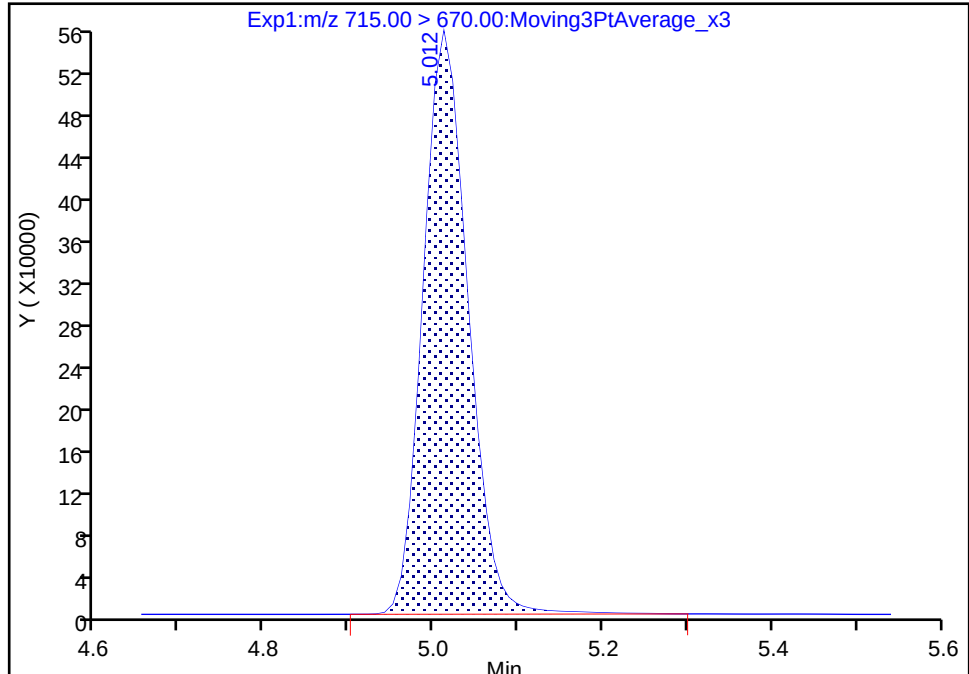
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

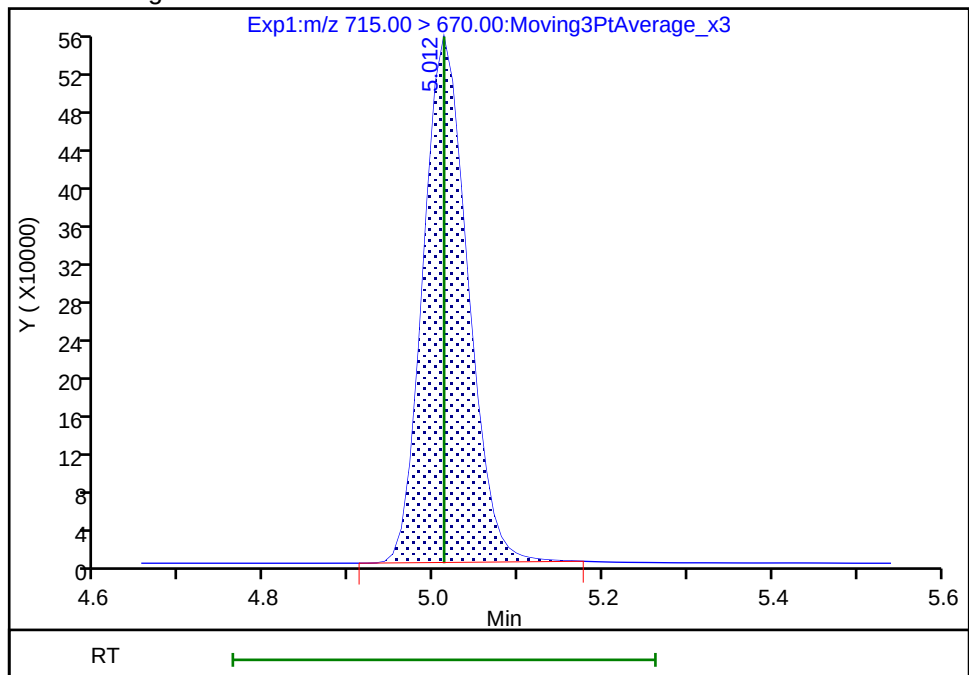
RT: 5.01
Area: 2033072
Amount: 1.303301
Amount Units: ng/ml

Processing Integration Results



RT: 5.01
Area: 2014799
Amount: 1.286087
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:18:42
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

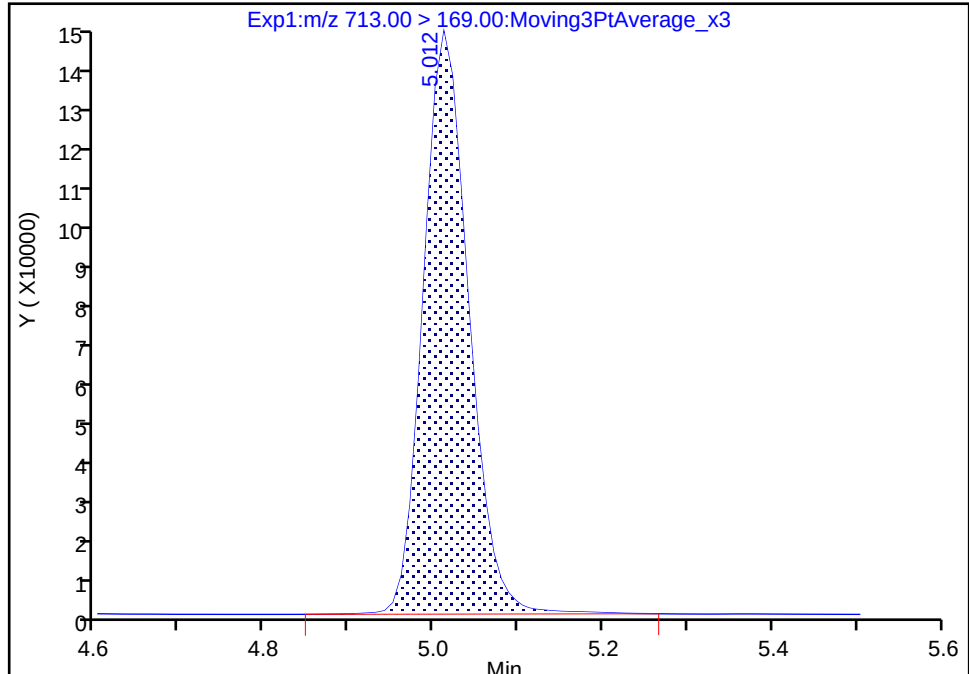
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

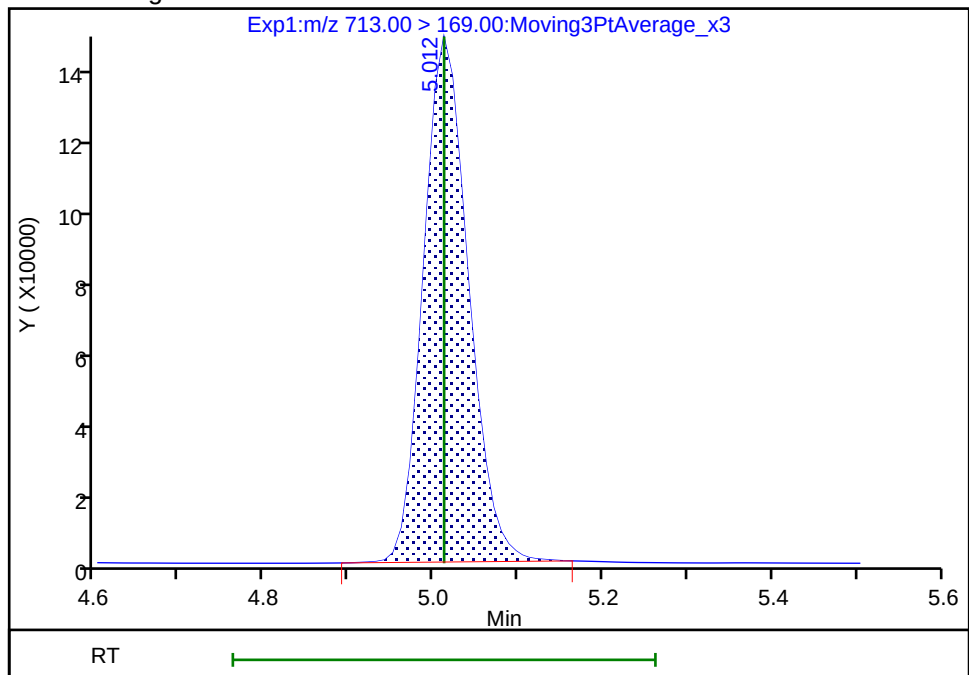
RT: 5.01
Area: 525519
Amount: 2.325898
Amount Units: ng/ml

Processing Integration Results



RT: 5.01
Area: 519386
Amount: 2.353740
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:18:33
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

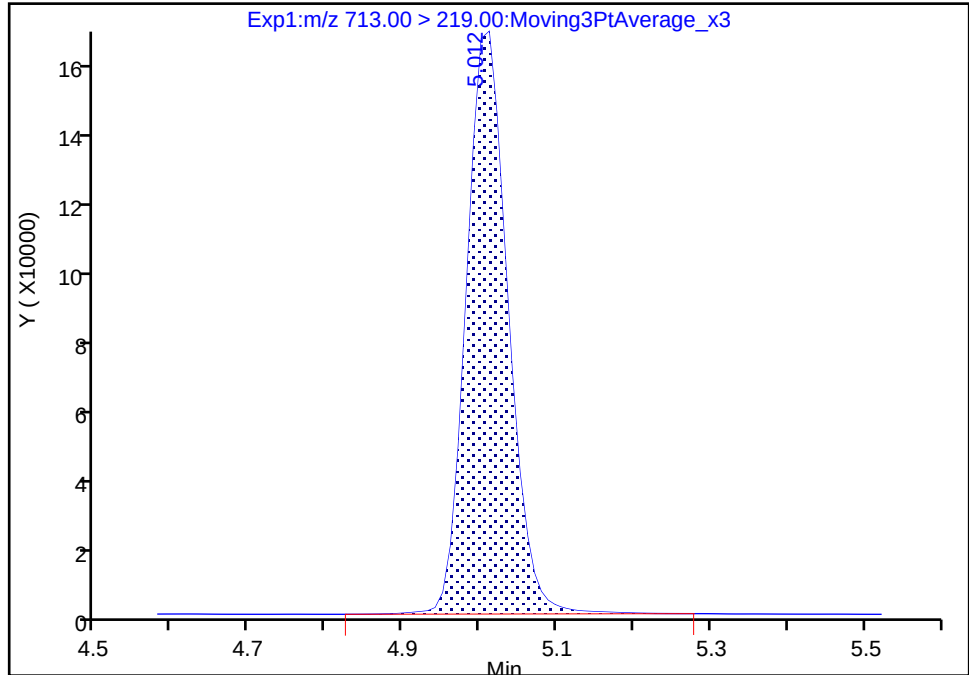
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

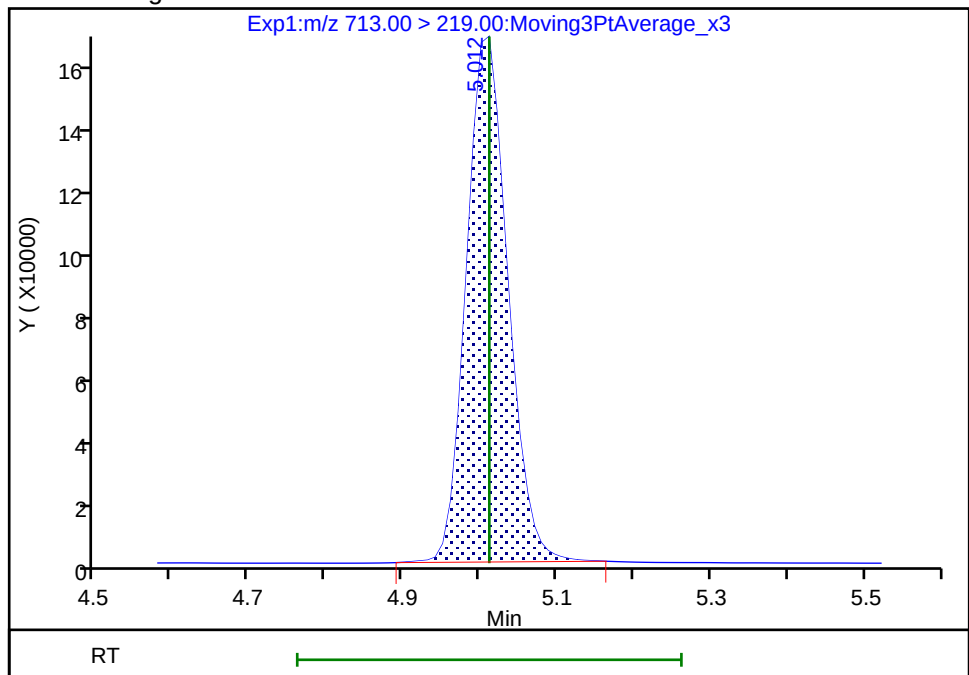
RT: 5.01
Area: 616529
Amount: 2.325898
Amount Units: ng/ml

Processing Integration Results



RT: 5.01
Area: 610374
Amount: 2.353740
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:18:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

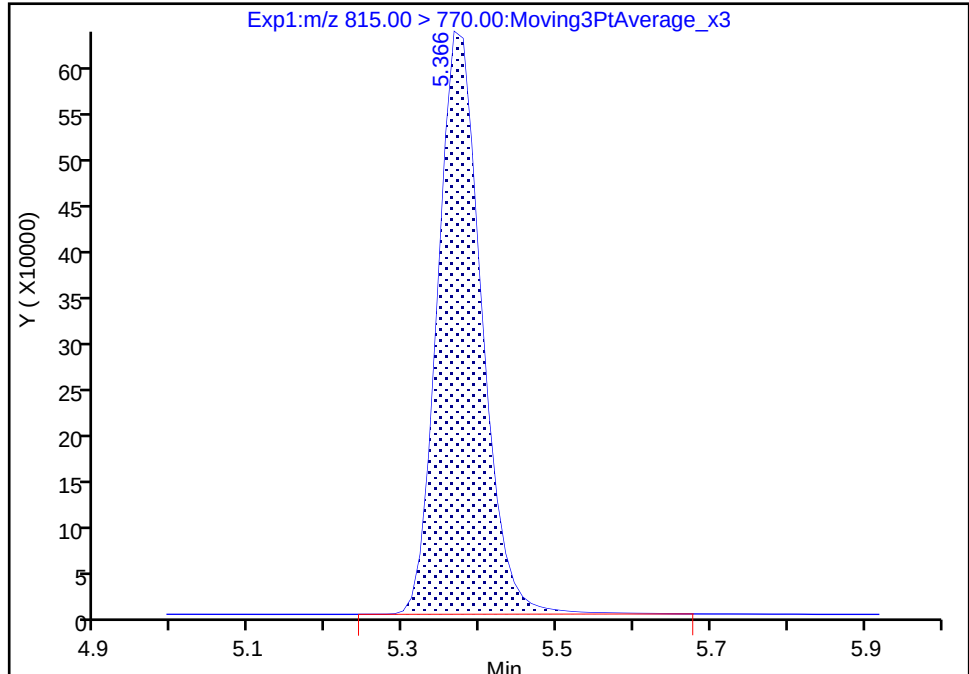
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

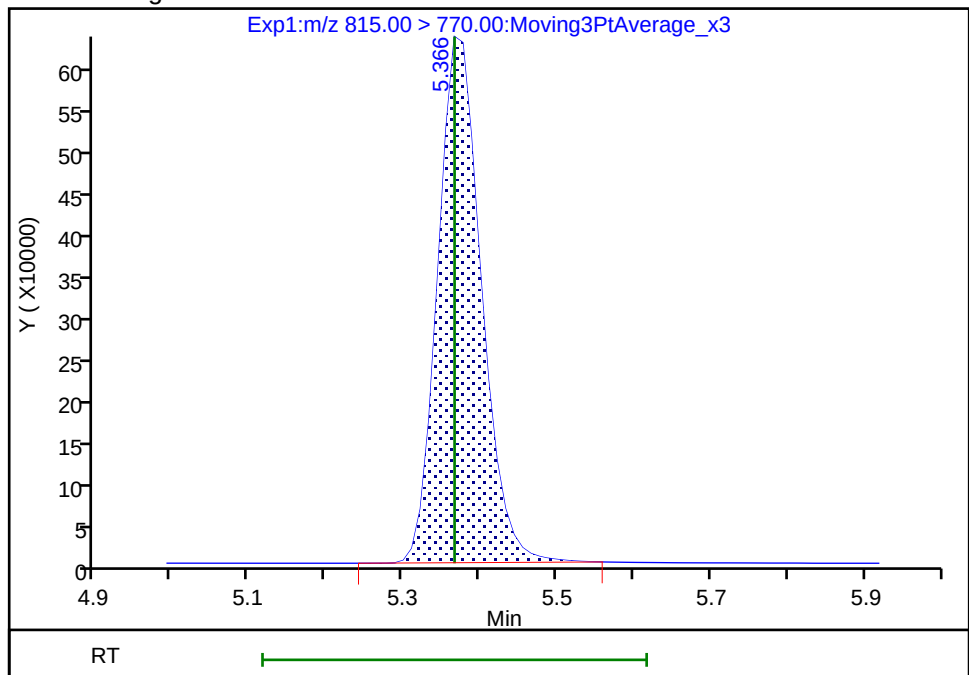
RT: 5.37
Area: 2515726
Amount: 1.303866
Amount Units: ng/ml

Processing Integration Results



RT: 5.37
Area: 2500657
Amount: 1.291152
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:18:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

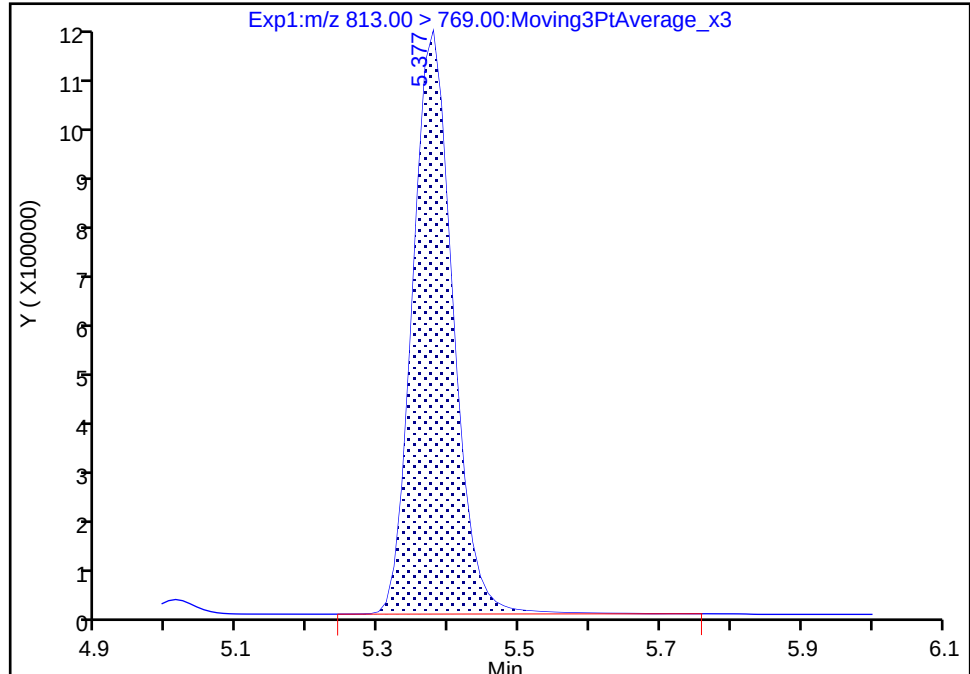
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

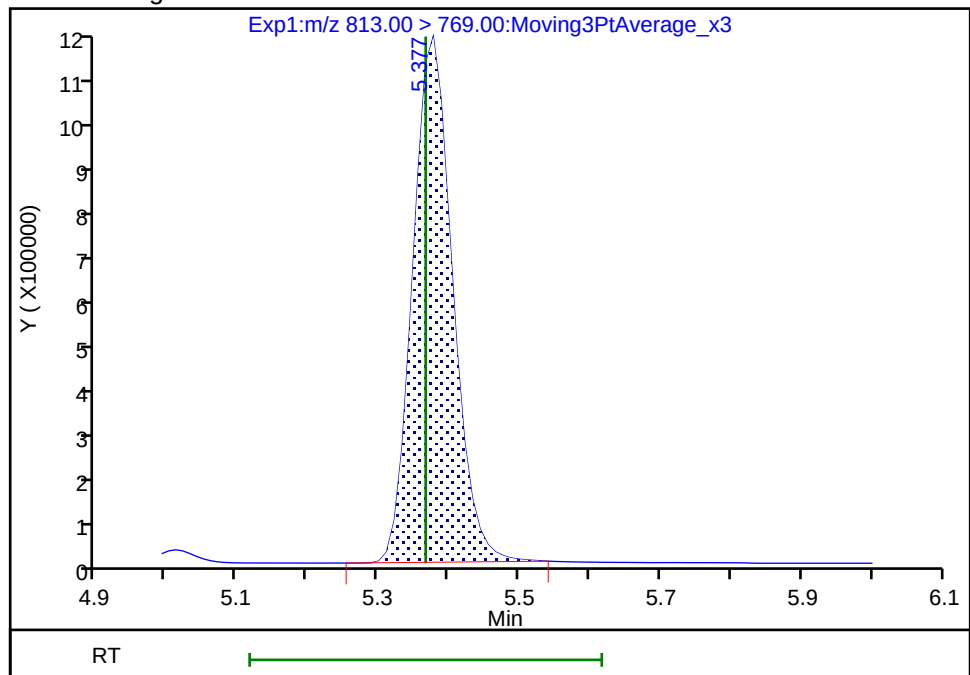
RT: 5.38
Area: 4654754
Amount: 2.502473
Amount Units: ng/ml

Processing Integration Results



RT: 5.38
Area: 4609177
Amount: 2.488597
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:18:51
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

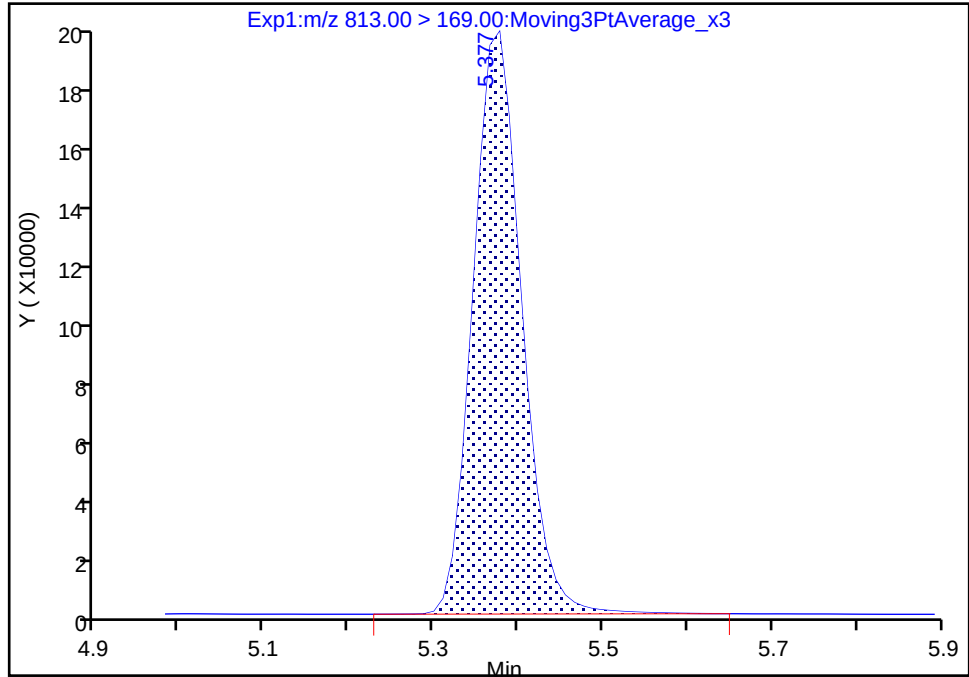
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

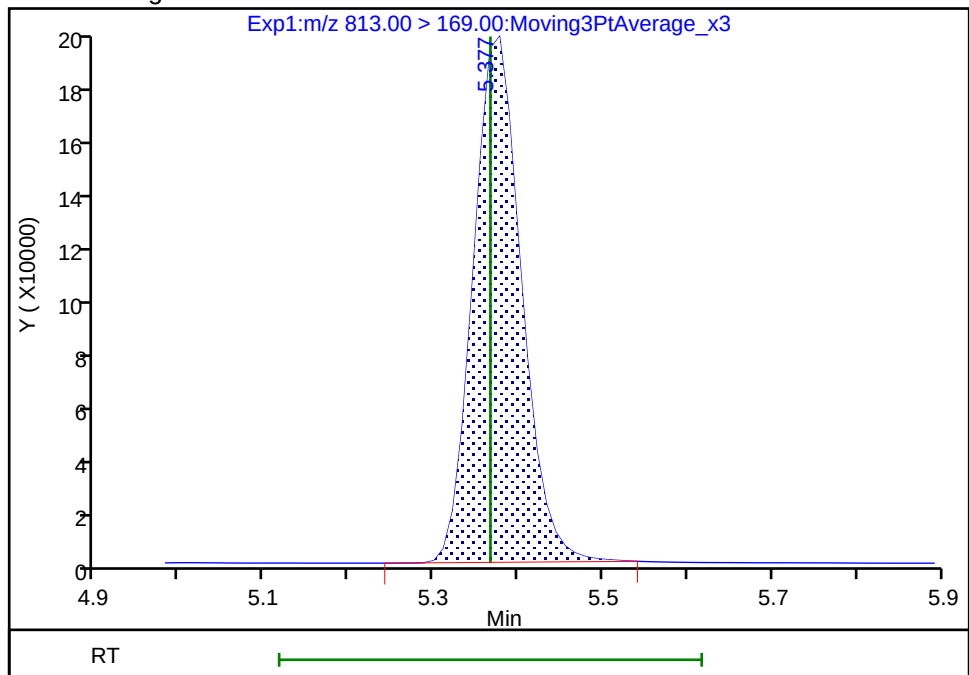
RT: 5.38
Area: 773083
Amount: 2.502473
Amount Units: ng/ml

Processing Integration Results



RT: 5.38
Area: 767191
Amount: 2.488597
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:18:54

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

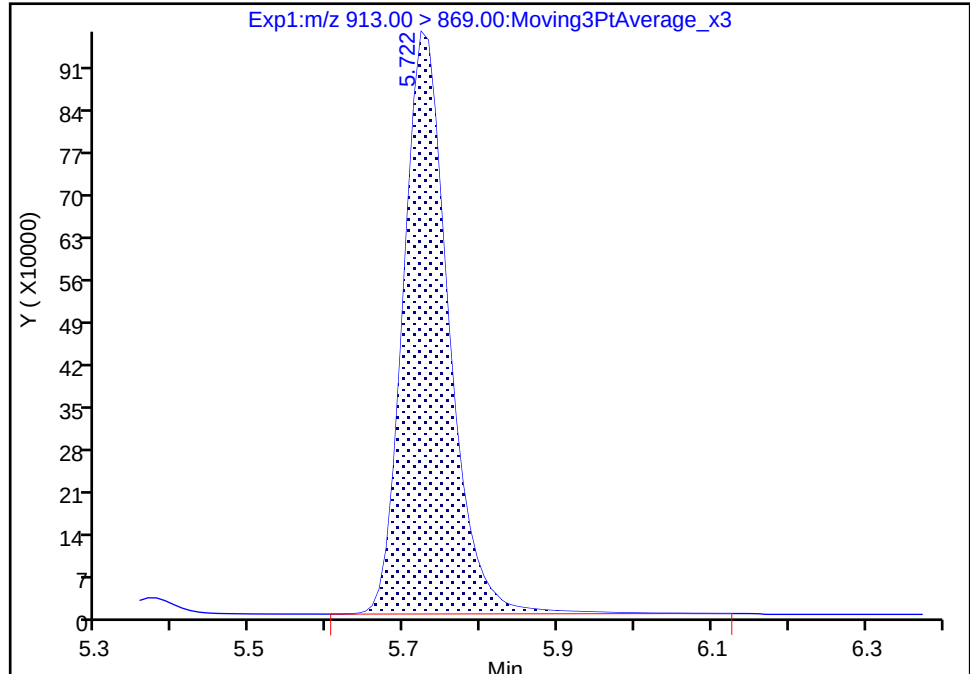
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Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

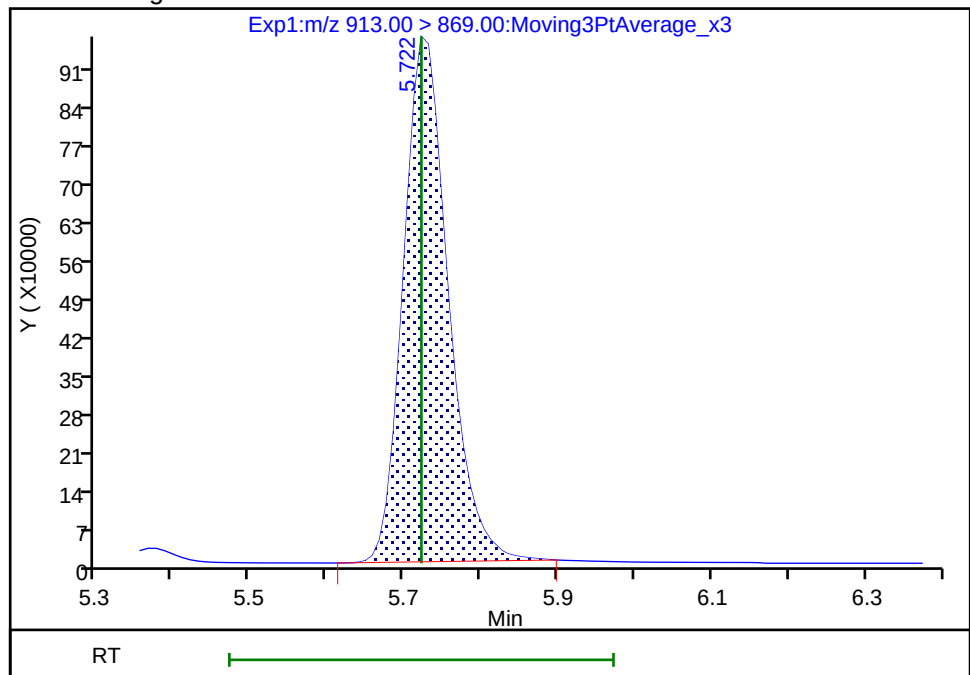
RT: 5.72
Area: 3948972
Amount: 2.362565
Amount Units: ng/ml

Processing Integration Results



RT: 5.72
Area: 3885994
Amount: 2.358568
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:19:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

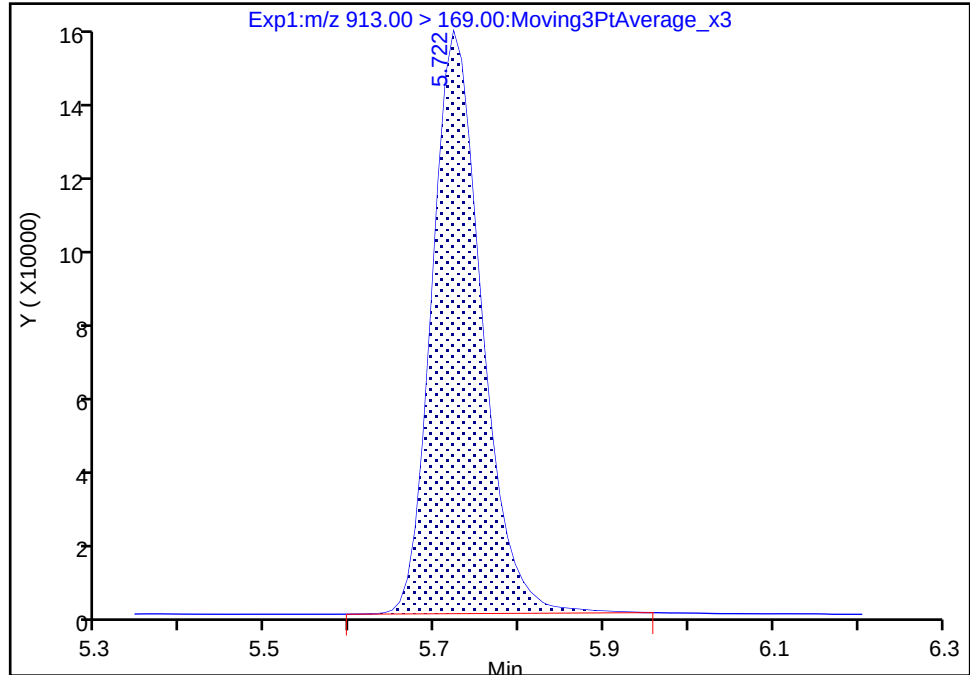
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Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

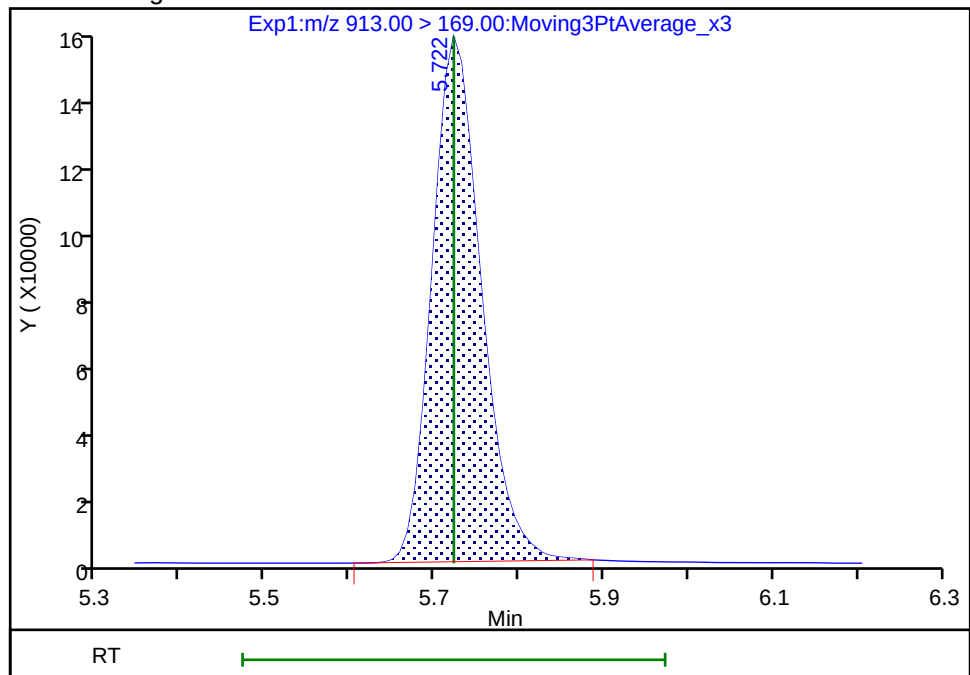
RT: 5.72
Area: 641202
Amount: 2.362565
Amount Units: ng/ml

Processing Integration Results



RT: 5.72
Area: 634754
Amount: 2.358568
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:19:03

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 18-Nov-2022 15:10:45 ALS Bottle#: 7 Worklist Smp#: 10
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: IC
 Misc. Info.: 200-0053396-010 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 18-Nov-2022 15:39:01 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1602

First Level Reviewer: Z1IP

Date: 18-Nov-2022 15:39:01

Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.076	2.076	0.0	0.602	2467565	1.31		105	10900	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.076	2.076	0.0	1.000	18287579	8.98		89.8	1622	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.387	2.387	0.0	0.692	1859782	1.30		104	3825	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.387	2.387	0.0	1.000	14659532	9.04		90.4	369	
D 47 13C3 PFBS										
301.90 > 80.00	2.400	2.400	0.0	0.696	1920108	1.24		106	306030	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.400	2.400	0.0	1.000	15764131	8.34	Target=2.14	94.4	6290	M
298.90 > 99.00	2.400	2.400	0.0	1.000	7462883		2.11(1.07-3.21)	94.4	3673	M
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.689	2.689	0.0	1.000	3793564	8.55		91.5	7517	
D 60 M2-4:2 FTS										
329.00 > 81.00	2.689	2.689	0.0	0.780	168186	1.23		105	209	
D 7 13C2 PFHxA										M
315.00 > 270.00	2.725	2.725	0.0	0.790	1905245	1.27		102	3368	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.725	2.725	0.0	1.000	14928997	8.99	Target=13.44	89.9	1947	M
313.00 > 119.00	2.725	2.725	0.0	1.000	1139463		13.10(6.72-20.15)	89.9	1377	M
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.737	2.737	0.0	0.887	14151584	8.84	Target=2.98	94.3	4481	M
349.00 > 99.00	2.737	2.737	0.0	0.887	4699585		3.01(1.49-4.47)	94.3	3456	M
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.835	2.835	0.0	1.000	2790710	9.46		94.6	3137	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 64 13C3 HFPO-DA										M
287.00 > 169.00	2.835	2.835	0.0	0.822	349067	1.32		106	2058	M
D 11 18O2 PFHxS										M
403.00 > 84.00	3.088	3.088	0.0	0.896	1417084	1.25		106	3116	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.088	3.088	0.0	1.000	11438488	8.46	Target=3.57	92.9	1881	M
399.00 > 99.00	3.088	3.088	0.0	1.000	3266390		3.50(1.78-5.35)	92.9	1771	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.088	3.099	-0.011	0.896	1969787	1.28		102	3184	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.088	3.099	-0.011	1.000	15384783	8.97	Target=3.93	89.7	1713	M
363.00 > 169.00	3.088	3.099	-0.011	1.000	4138402		3.72(1.96-5.89)	89.7	2990	M
77 DONA										M
377.00 > 251.00	3.132	3.132	0.0	0.832	34921387	7.63	Target=3.08	81.0	2972	M
377.00 > 85.00	3.132	3.132	0.0	0.832	12293064		2.84(1.54-4.62)	81.0	2852	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.439	3.439	0.0	0.997	221871	1.17		98.5	664	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.439	3.439	0.0	1.000	3743844	9.47		99.9	1951	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.430	3.439	-0.009	0.911	10171074	8.76	Target=5.16	92.0	3706	M
449.00 > 99.00	3.430	3.439	-0.009	0.911	1989808		5.11(2.58-7.74)	92.0	4062	M
D 14 13C4 PFOA										
417.00 > 372.00	3.448	3.448	0.0	1.000	2203793	1.27		102	5888	
* 62 13C2 PFOA										
415.00 > 370.00	3.448	3.448	0.0		2091291	1.25			3642	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.448	3.448	0.0	1.000	16977289	9.01	Target=2.82	90.1	978	M
413.00 > 169.00	3.448	3.448	0.0	1.000	6260421		2.71(1.41-4.23)	90.1	2636	M
D 18 13C4 PFOS										
503.00 > 80.00	3.764	3.764	0.0	1.092	993714	1.29		108	883	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.764	3.764	0.0	1.000	8534676	8.44	Target=5.01	90.9	926	M
499.00 > 99.00	3.764	3.764	0.0	1.000	1770034		4.82(2.50-7.51)	90.9	964	M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.783	3.783	0.0	1.000	16342622	9.36	Target=8.49	93.6	1971	M
463.00 > 169.00	3.783	3.783	0.0	1.000	1938179		8.43(4.25-12.74)	93.6	2313	M
D 19 13C5 PFNA										
468.00 > 423.00	3.783	3.783	0.0	1.097	2102974	1.25		100.0	6336	
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.928	3.928	0.0	1.044	19485090	8.40		90.1	3617	M
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.051	4.050	0.001	1.076	6831873	8.95	Target=2.60	93.2	2750	M
549.00 > 99.00	4.051	4.050	0.001	1.076	2652769		2.58(1.30-3.90)	93.2	3358	M
D 23 13C2 PFDA										
515.00 > 470.00	4.081	4.081	0.0	1.184	2229691	1.30		104	3838	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.081	4.081	0.0	1.000	16688874	8.63	Target=10.03	86.3	2787	M
513.00 > 169.00	4.081	4.081	0.0	1.000	1764763		9.46(5.02-15.05)	86.3	3491	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.093	4.093	0.0	1.187	277266	1.20		99.8	889	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.093	4.093	0.0	1.000	3431863	9.17		95.7	2819	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.150	4.150	0.0	1.000	14828965	9.27		92.7	11896	
D 21 13C8 FOSA										
506.00 > 78.00	4.150	4.150	0.0	1.204	1914897	1.36		109	2590	
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.228	4.228	0.0	1.226	478582	1.37		110	204	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.228	4.228	0.0	1.000	3297027	10.0		100.0	1849	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.331	4.331	0.0	1.151	5548668	9.21	Target=2.58	95.5	2308	M
599.00 > 99.00	4.320	4.331	-0.011	1.148	2036543		2.72(1.29-3.86)	95.5	2355	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.353	4.353	0.0	1.263	1967361	1.25		100	2095	M
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.353	4.353	0.0	1.000	14168517	8.93	Target=10.10	89.3	2525	M
563.00 > 169.00	4.353	4.353	0.0	1.000	1502685		9.43(5.05-15.15)	89.3	1563	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.365	4.365	0.0	1.000	2992748	9.39		93.9	1373	M
D 32 d5-NEtFOSAA										M
589.00 > 419.00	4.365	4.365	0.0	1.266	444955	1.29		104	611	M
66 11-Chloroeicosafuoro-3-oxaundec										M
631.00 > 451.00	4.454	4.454	0.0	1.183	28587798	7.99		84.8	2959	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.591	4.591	0.0	1.000	15612916	8.76	Target=7.41	87.6	840	M
613.00 > 169.00	4.591	4.591	0.0	1.000	2225311		7.02(3.70-11.11)	87.6	3131	M
D 36 13C2 PFDaA										M
615.00 > 570.00	4.591	4.591	0.0	1.332	2103698	1.32		105	3008	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.612	4.612	0.0	1.127	2140218	9.51		98.7	1929	M
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.767	4.776	-0.009	1.266	2258006	8.85	Target=0.51	91.5	2977	M
699.00 > 99.00	4.767	4.776	-0.009	1.266	4532176		0.50(0.25-0.76)	91.5	4479	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.803	4.804	-0.001	1.046	14753486	8.65	Target=5.40	86.5	847	M
663.00 > 169.00	4.803	4.804	-0.001	1.046	2874269		5.13(2.70-8.10)	86.5	2161	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.002	5.012	-0.010	1.000	1813608	9.29	Target=0.90	92.9	1869	M
713.00 > 219.00	5.002	5.012	-0.010	1.000	2156307		0.84(0.45-1.35)	92.9	3154	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.002	5.012	-0.010	1.451	1782548	1.29		103	2048	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.366	5.367	-0.001	1.000	16164958	10.0	Target=5.85	100	978	M
813.00 > 169.00	5.366	5.367	-0.001	1.000	2805404		5.76(2.93-8.78)	100	2198	M
D 44 13C2 PFHxDA										M
815.00 > 770.00	5.366	5.367	-0.001	1.557	2191999	1.28		103	2301	M
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.722	5.722	0.0	1.066	13617092	9.43	Target=6.30	94.3	603	M
913.00 > 169.00	5.713	5.722	-0.009	1.065	2220967		6.13(3.15-9.46)	94.3	888	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC6_00013

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d

Injection Date: 18-Nov-2022 15:10:45

Instrument ID: LC812

Lims ID: IC

Client ID:

Operator ID: lc812tech

ALS Bottle#: 7

Worklist Smp#: 10

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

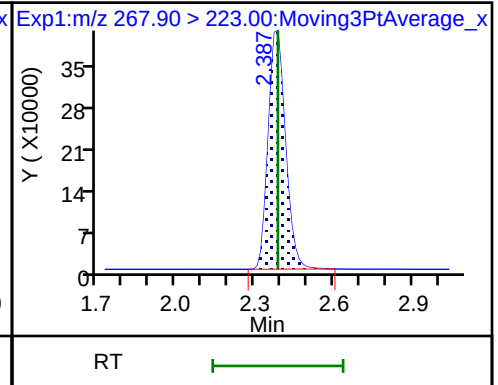
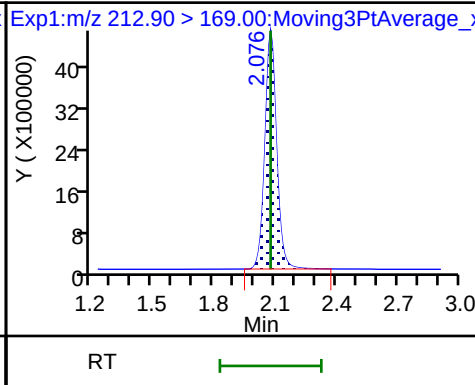
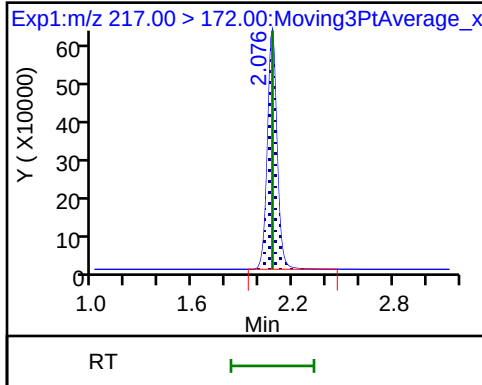
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

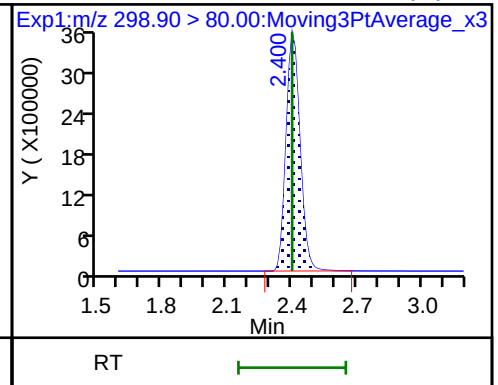
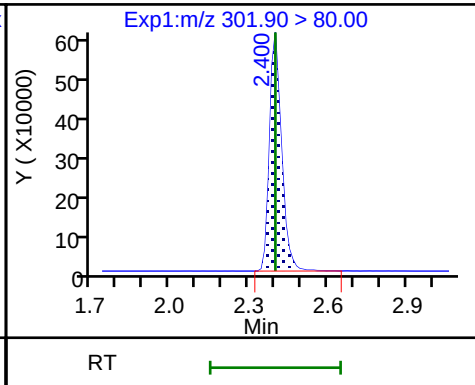
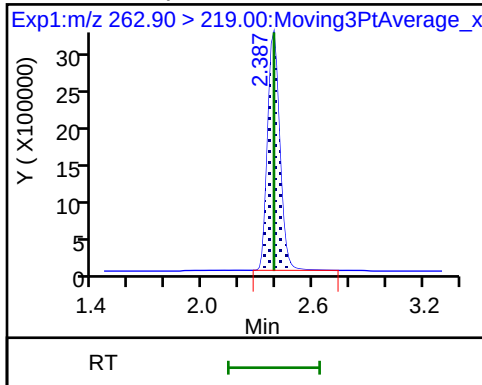
D 3 13C5 PFPeA



4 Perfluoropentanoic acid

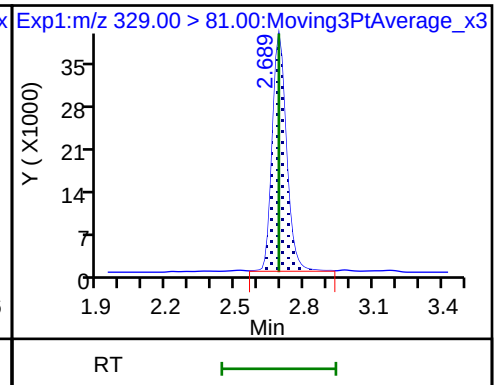
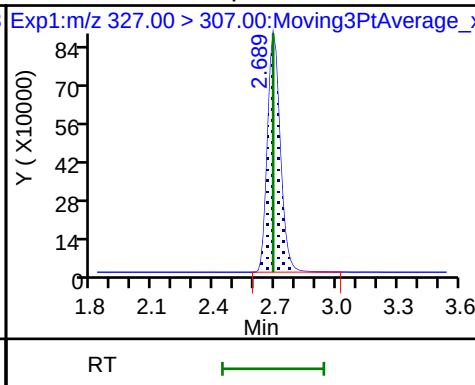
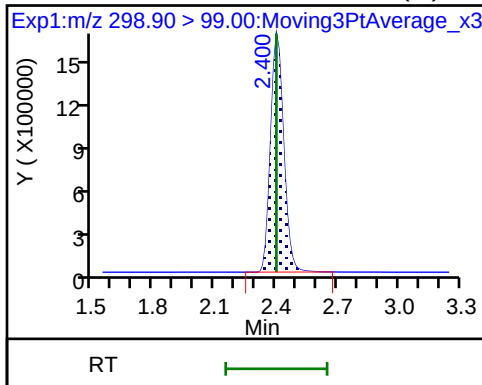
D 47 13C3 PFBS

5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

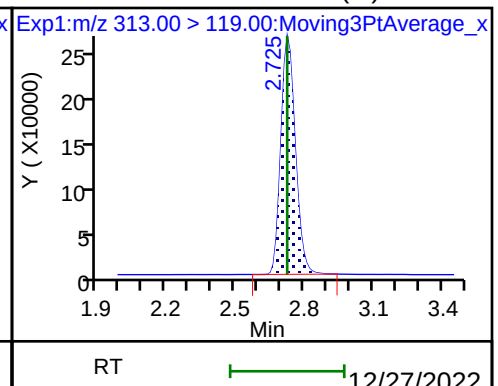
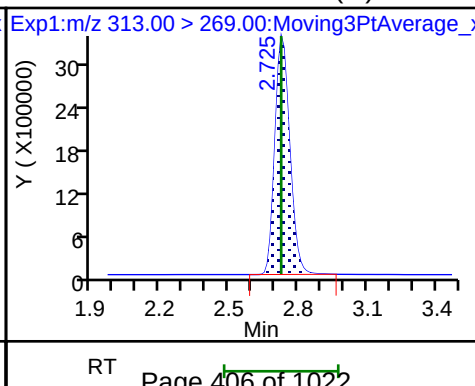
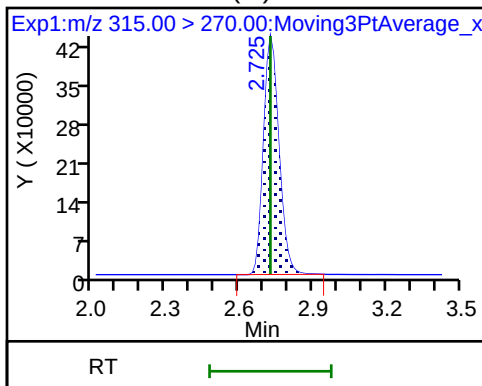
61 1H,1H,2H,2H-perfluorohexanesulfo D 60 M2-4:2 FTS



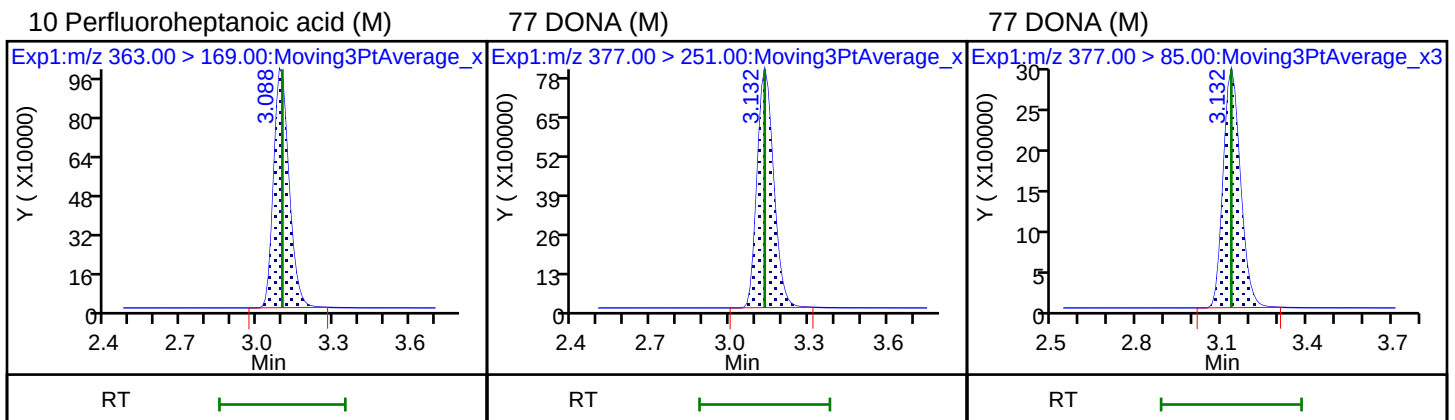
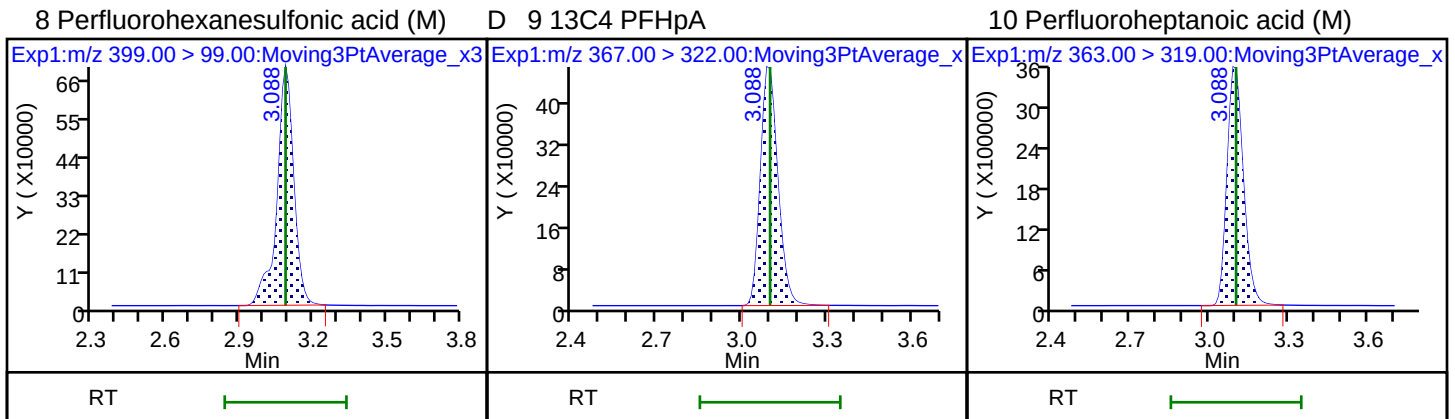
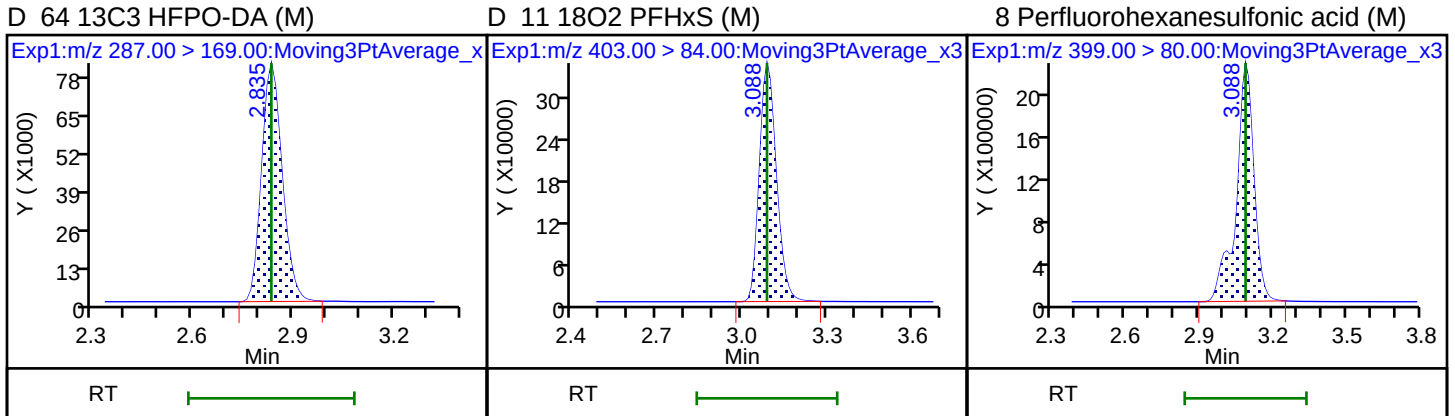
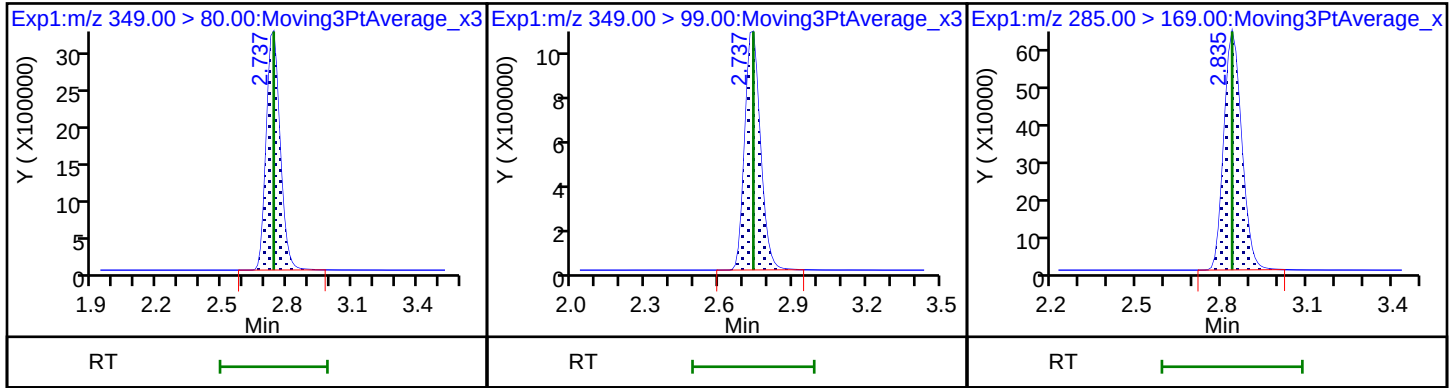
D 7 13C2 PFHxA (M)

6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid (M)

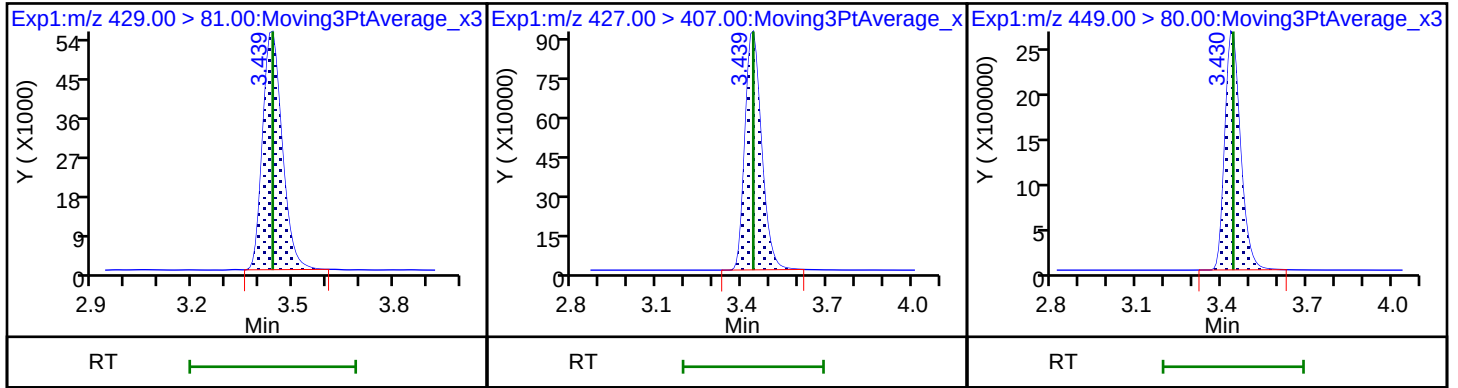


70 Perfluoropentanesulfonic acid (M) 70 Perfluoropentanesulfonic acid (M) 67 Perfluoro(2-propoxypropanoic) ac (M)



D 12 M2-6:2 FTS

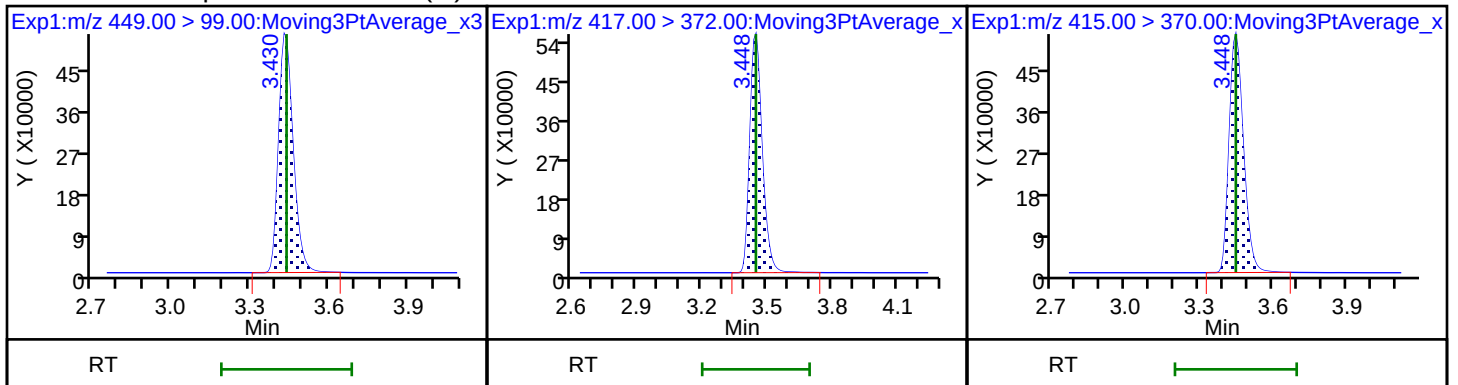
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

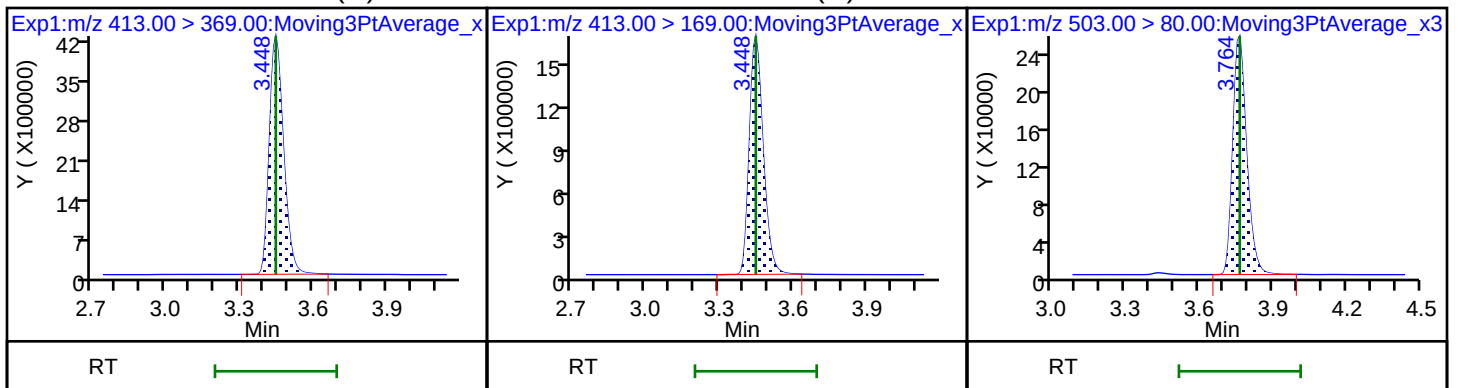
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

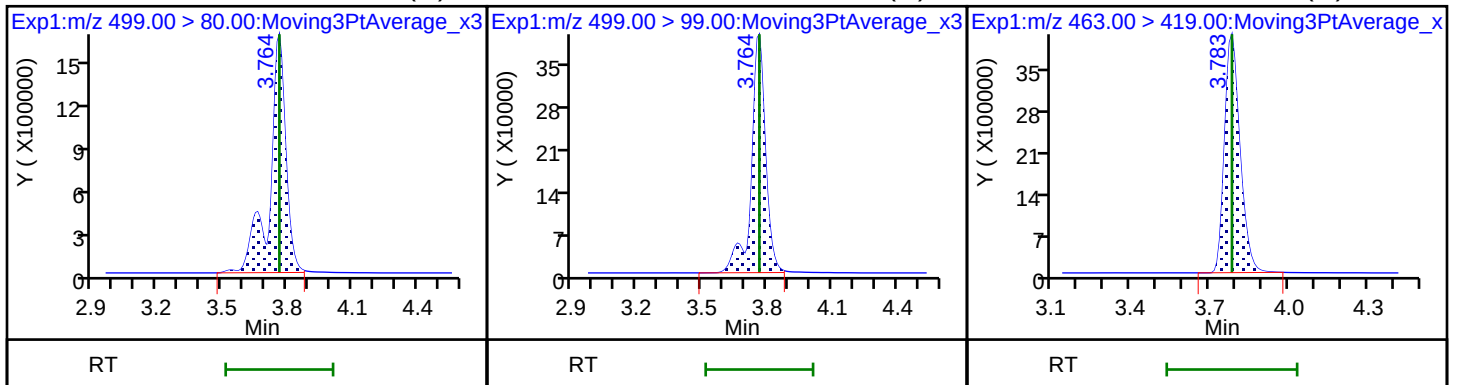
D 18 13C4 PFOS

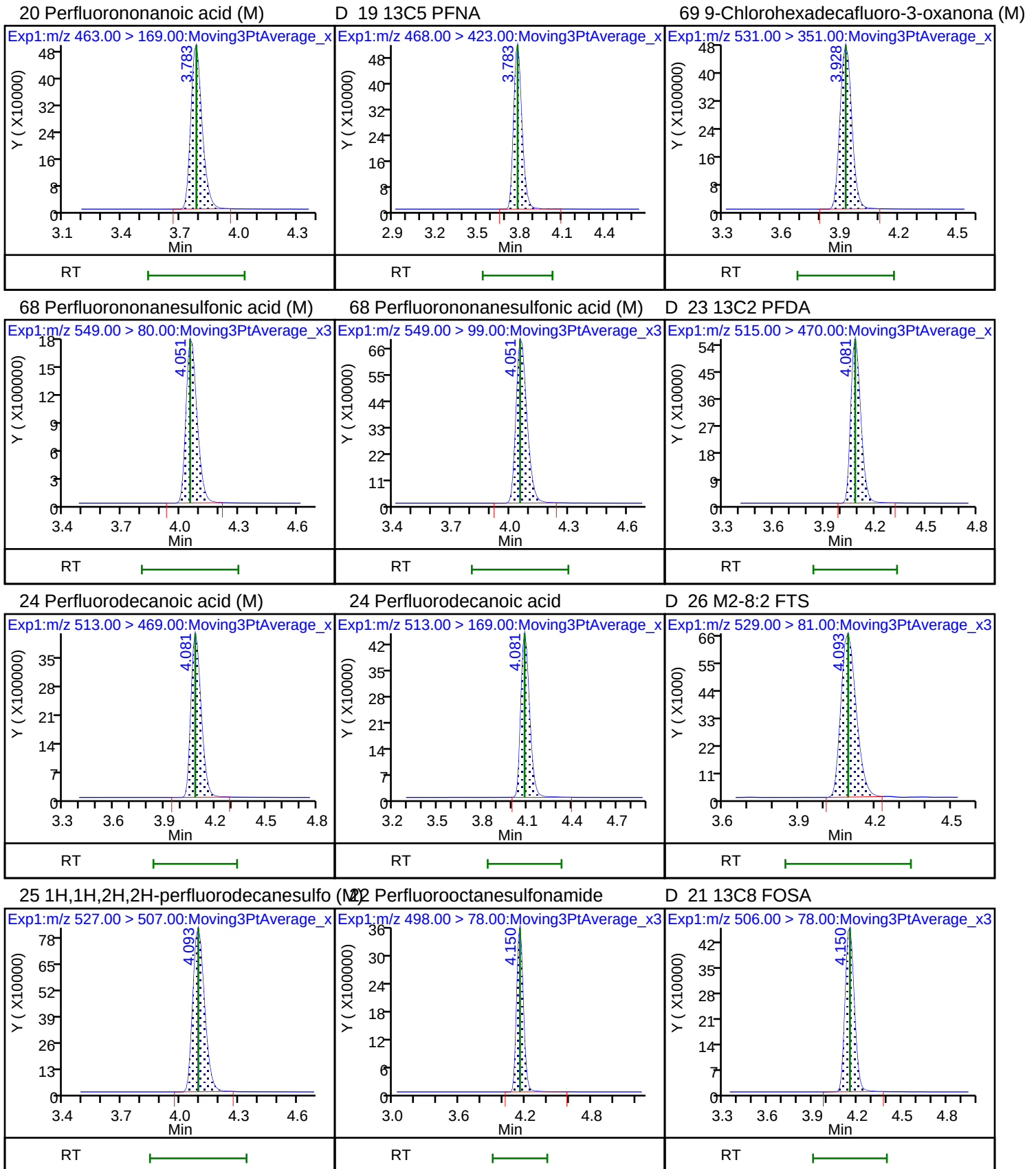


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid (M)

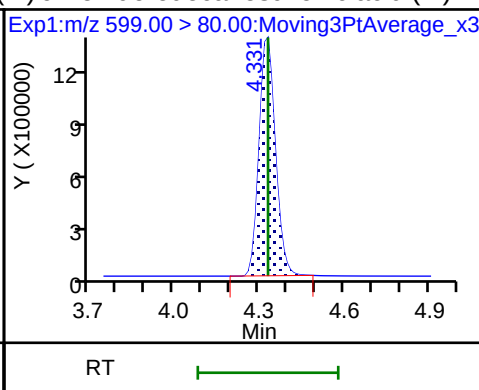
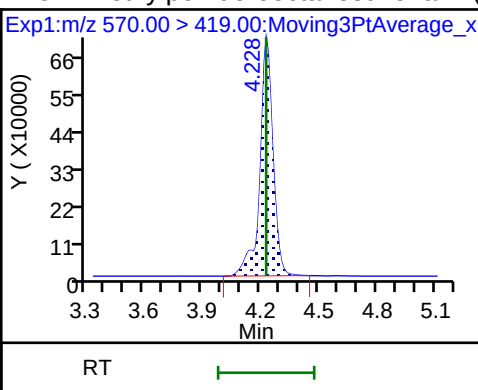
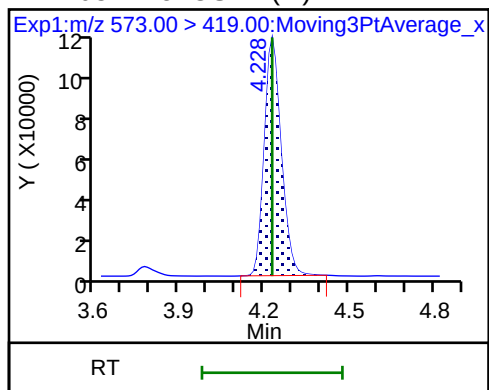




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

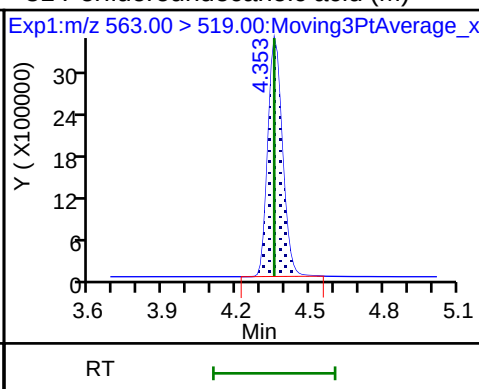
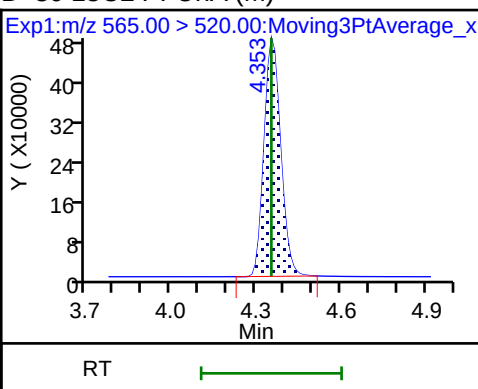
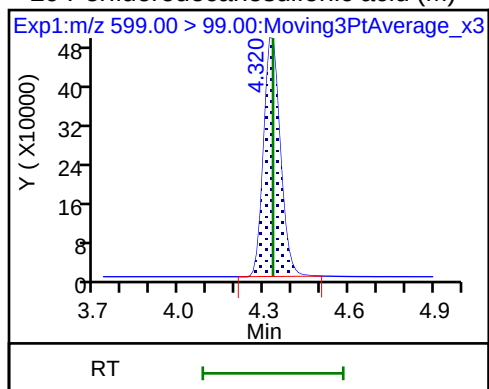
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUnA (M)

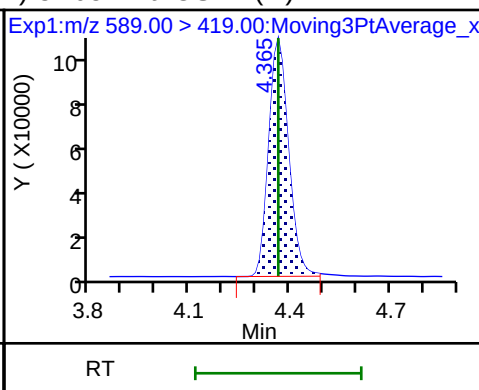
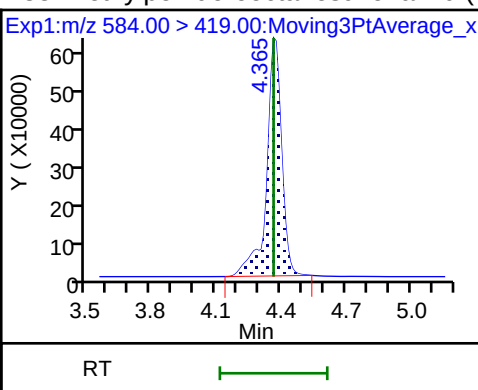
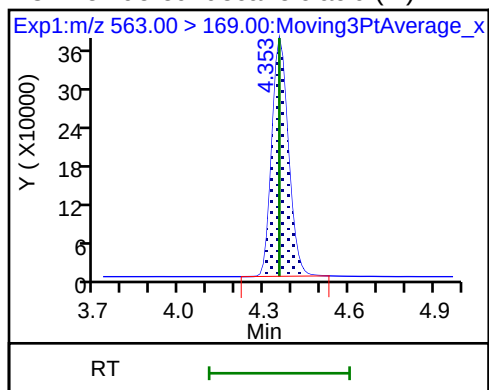
31 Perfluoroundecanoic acid (M)



31 Perfluoroundecanoic acid (M)

33 N-ethylperfluorooctanesulfonamid (M)

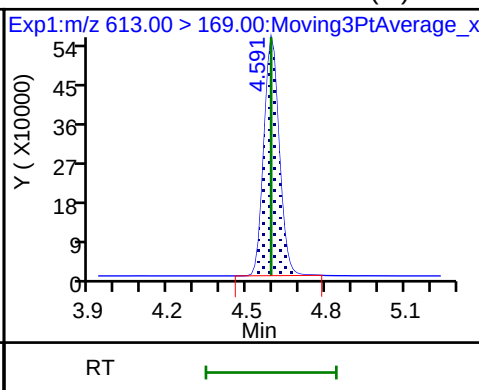
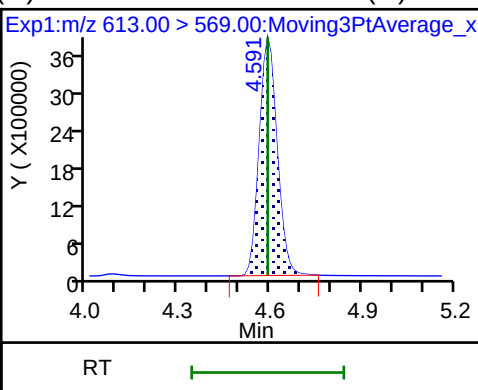
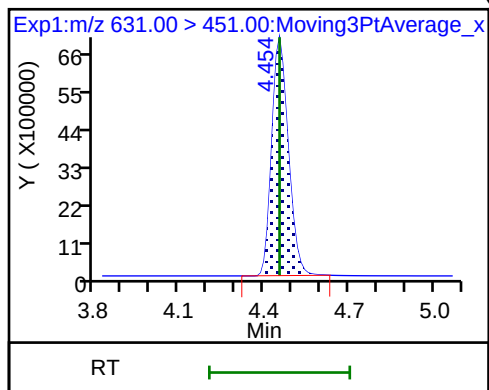
32 d5-NEtFOSAA (M)



66 11-Chloroeicosafluoro-3-oxaundec (M)

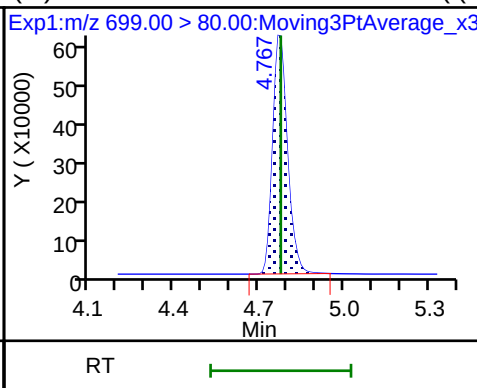
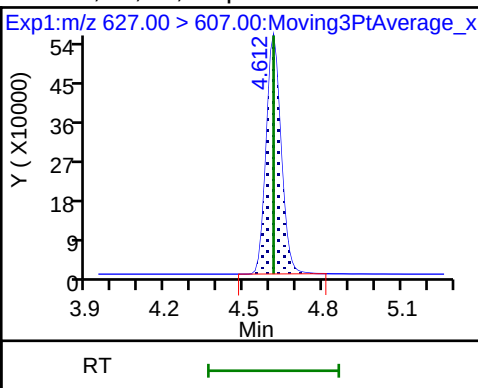
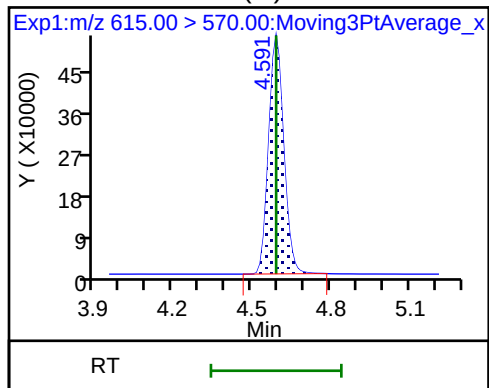
37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid (M)



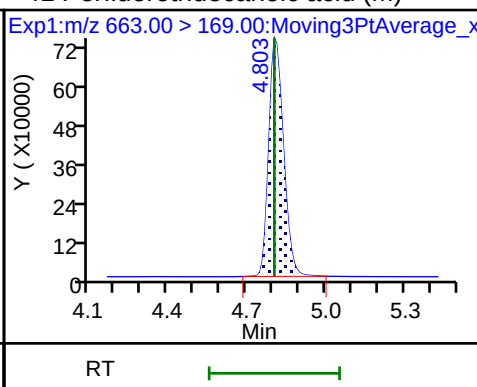
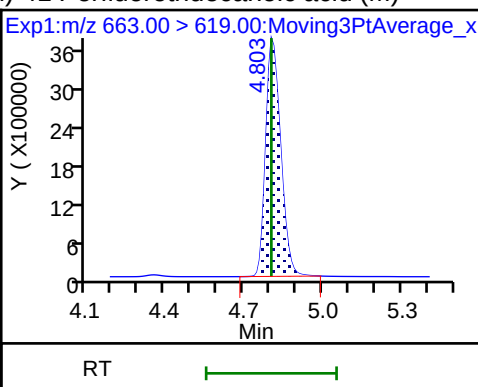
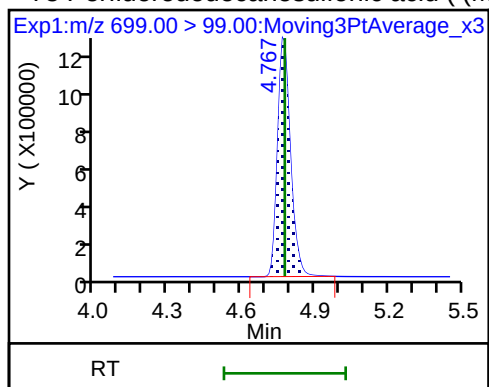
D 36 13C2 PFDa (M)

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



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

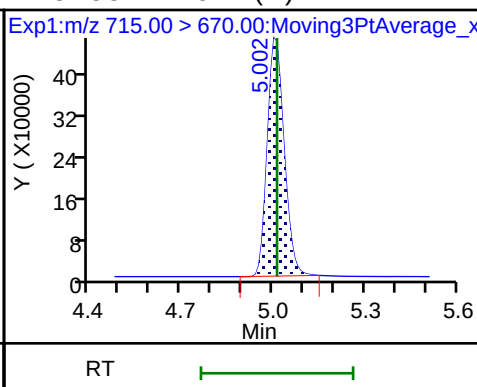
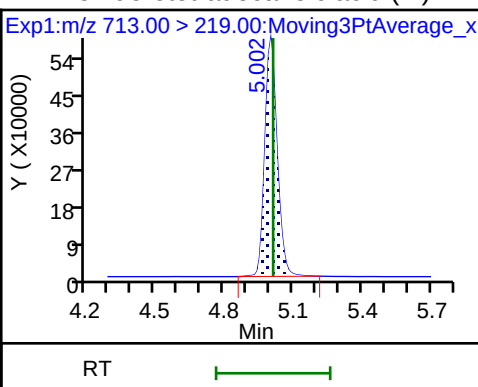
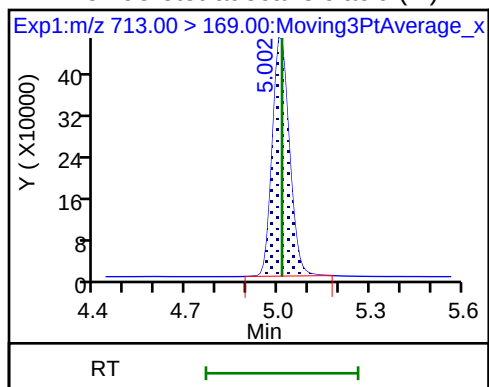
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

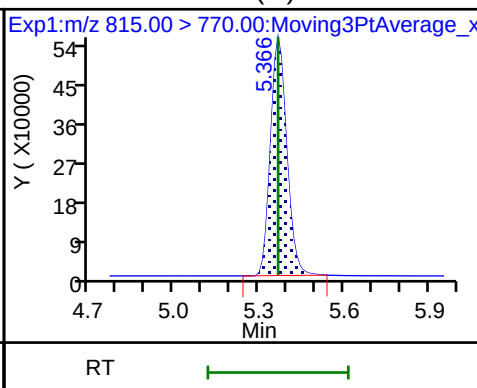
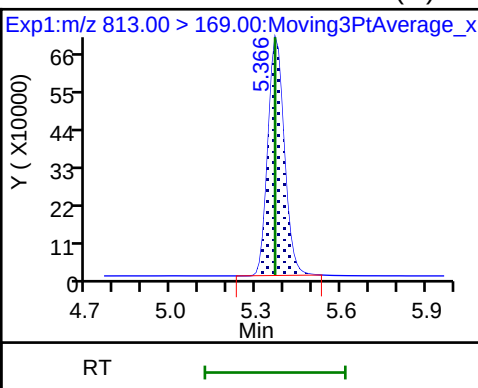
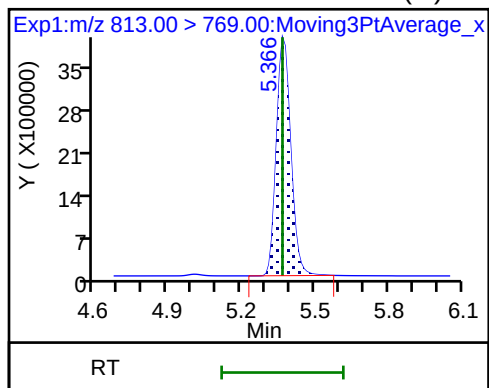
D 43 13C2 PFTeDA (M)



45 Perfluorohexadecanoic acid (M)

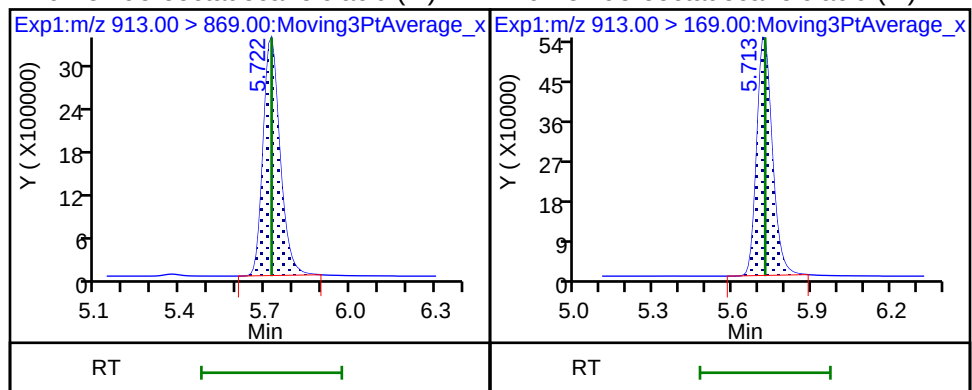
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA (M)



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

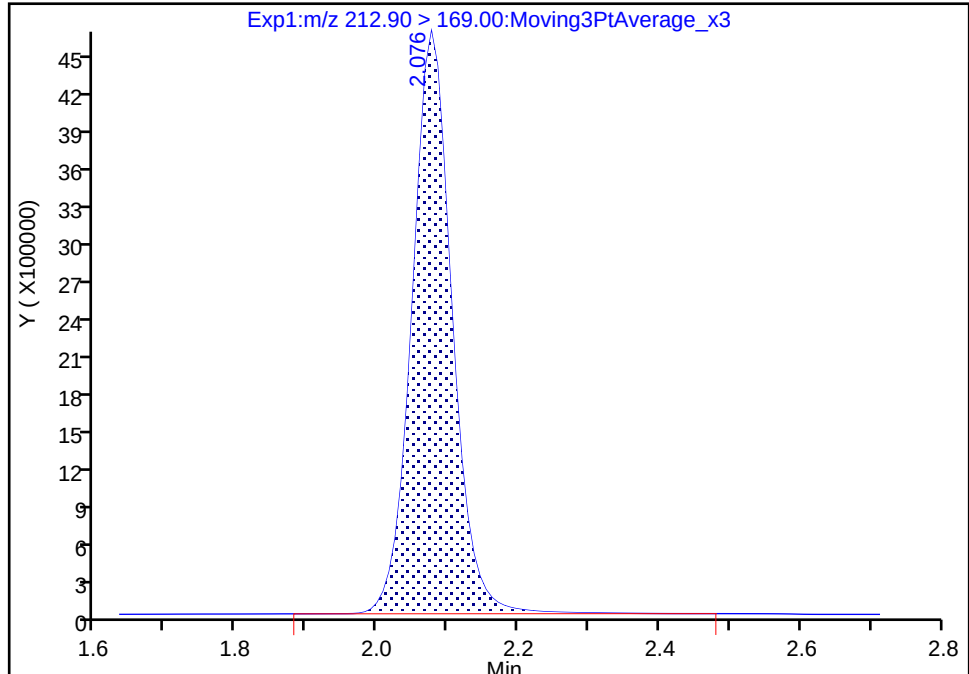
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

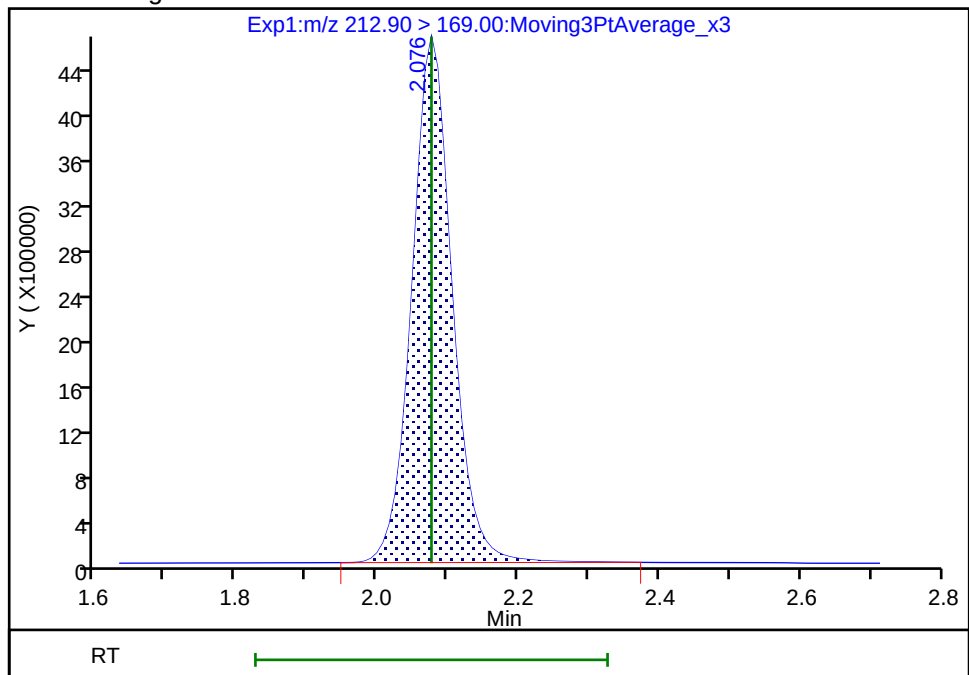
RT: 2.08
Area: 18330073
Amount: 9.001467
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 18287579
Amount: 8.983723
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:23:23
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

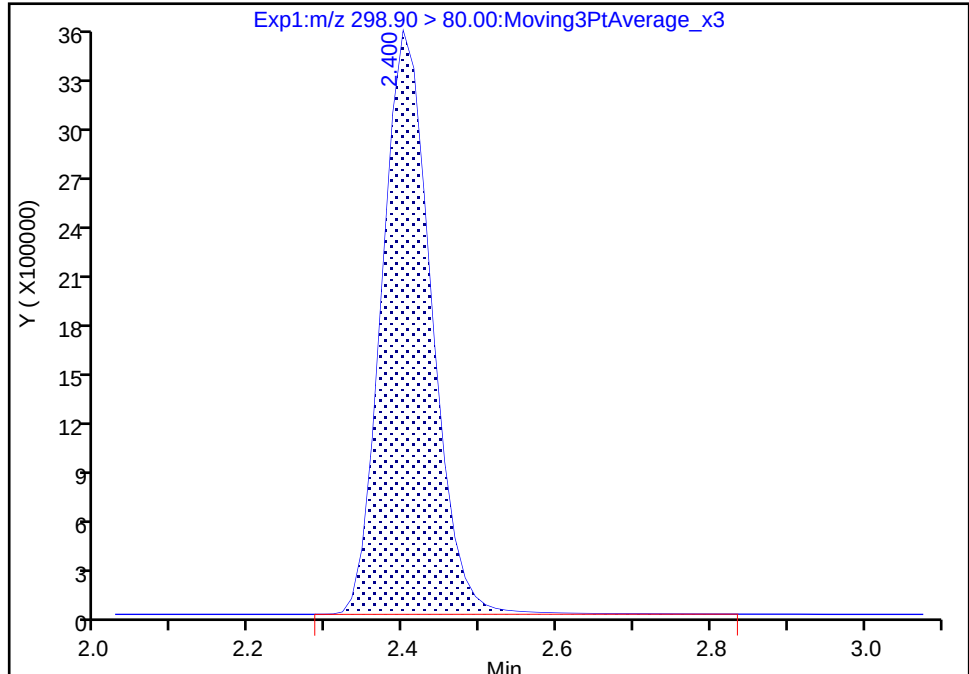
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

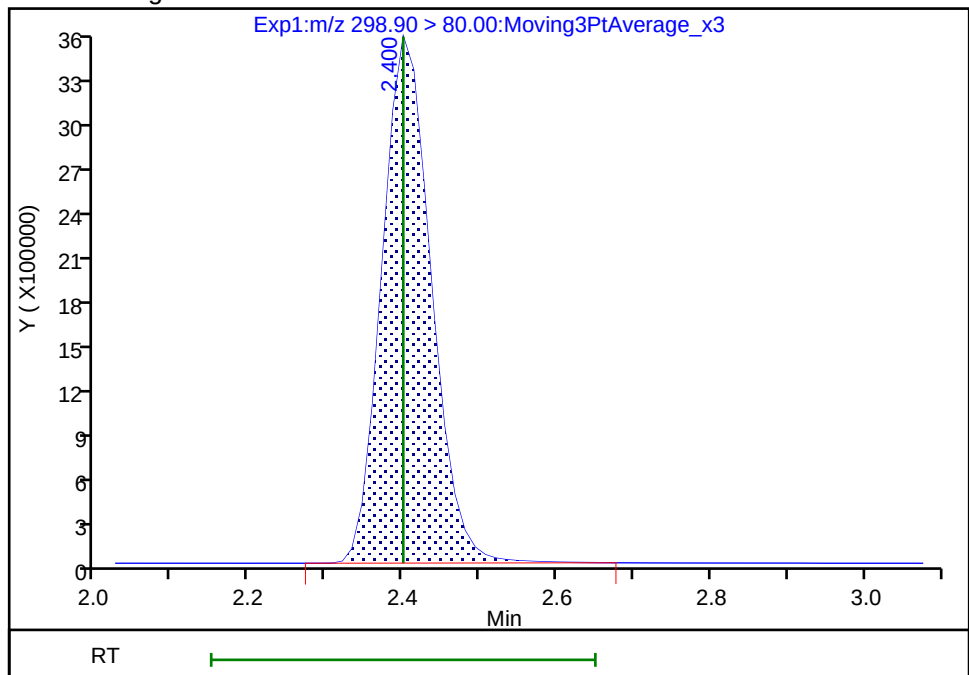
RT: 2.40
Area: 15798970
Amount: 8.357707
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 15764131
Amount: 8.342176
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:23:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

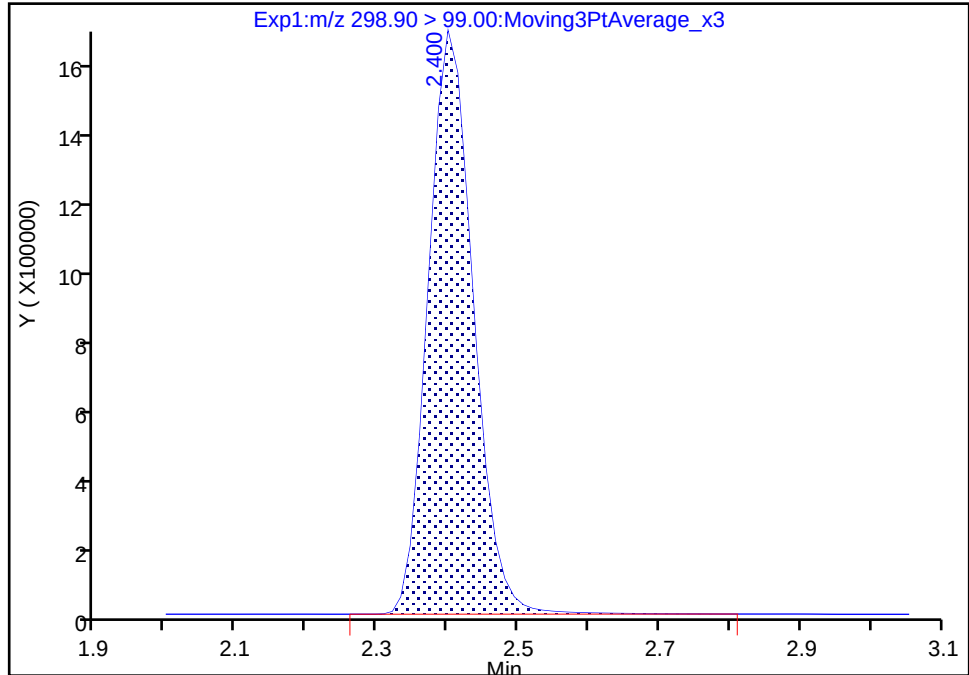
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

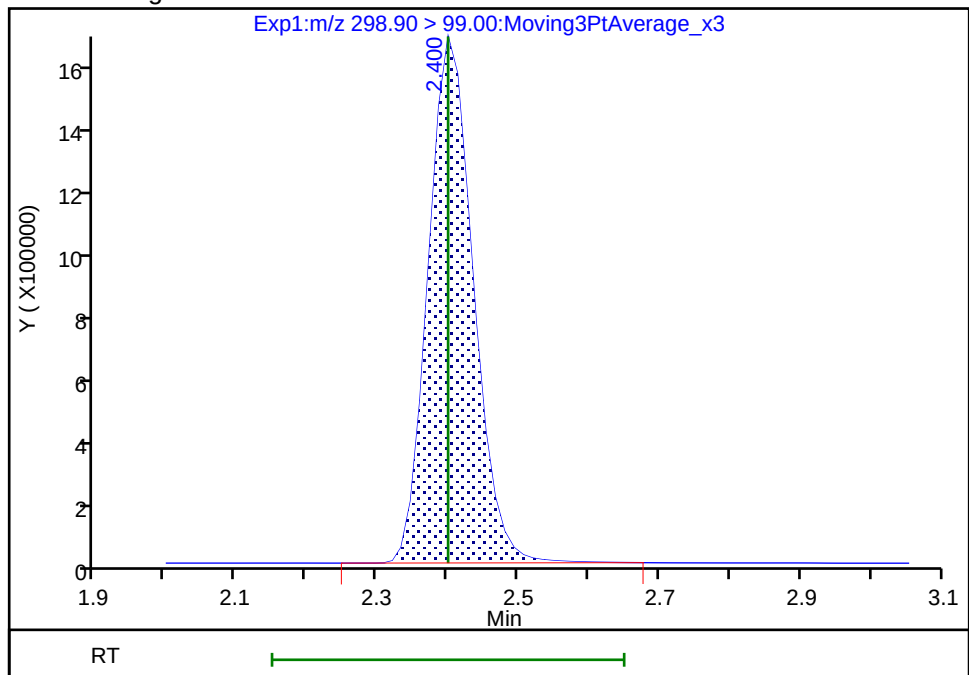
RT: 2.40
Area: 7478716
Amount: 8.357707
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 7462883
Amount: 8.342176
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:23:54

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

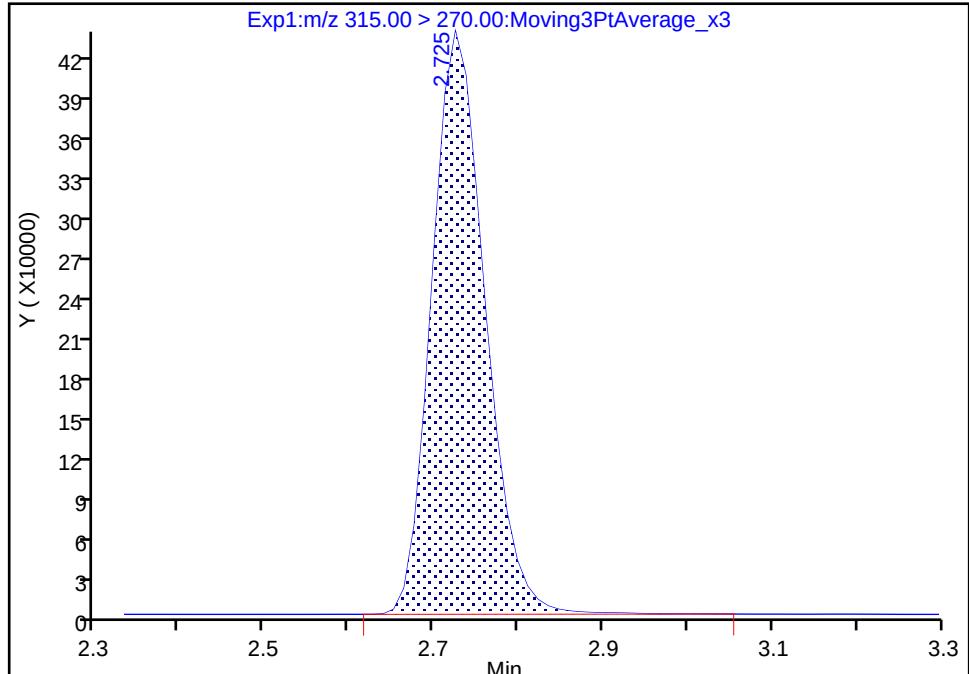
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 7 13C2 PFHxA, CAS: STL00993

Signal: 1

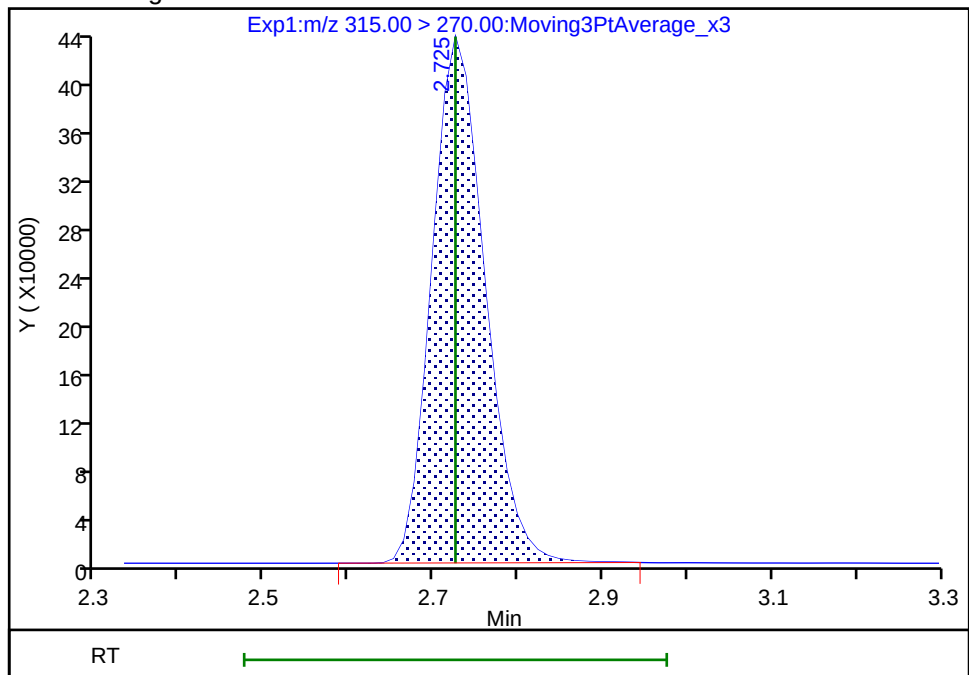
RT: 2.73
Area: 1911172
Amount: 1.275554
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 1905245
Amount: 1.272270
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:24:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

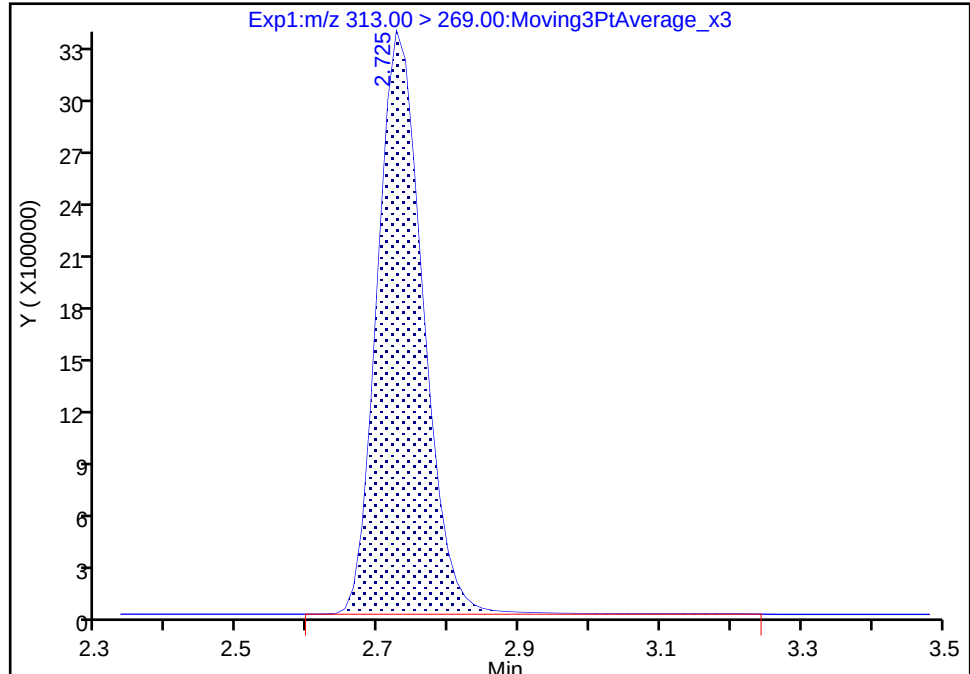
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

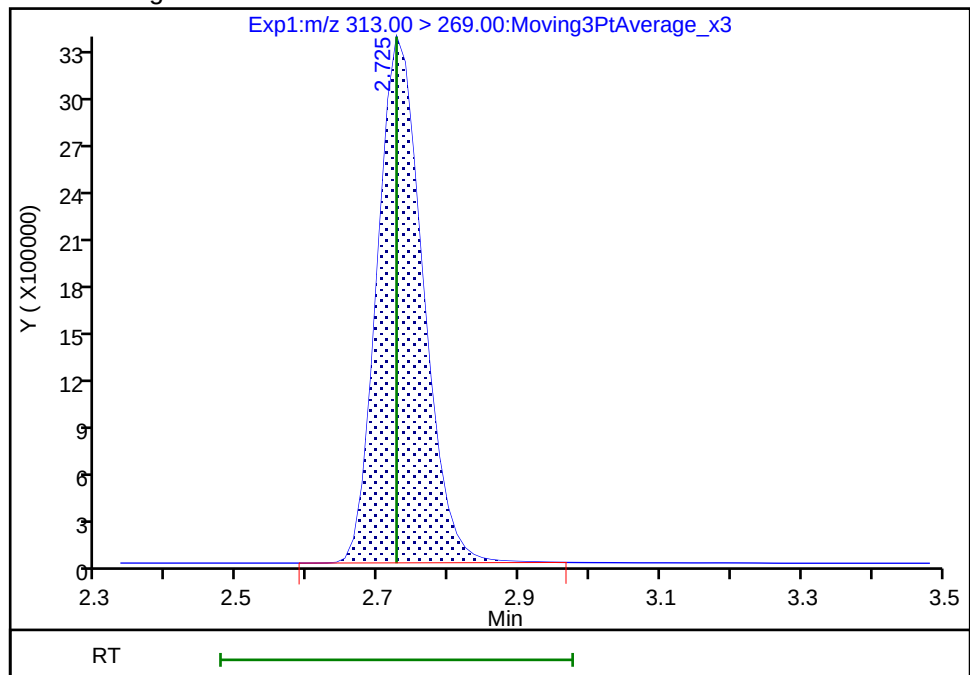
RT: 2.73
Area: 15003210
Amount: 9.027111
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 14928997
Amount: 8.989149
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:24:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

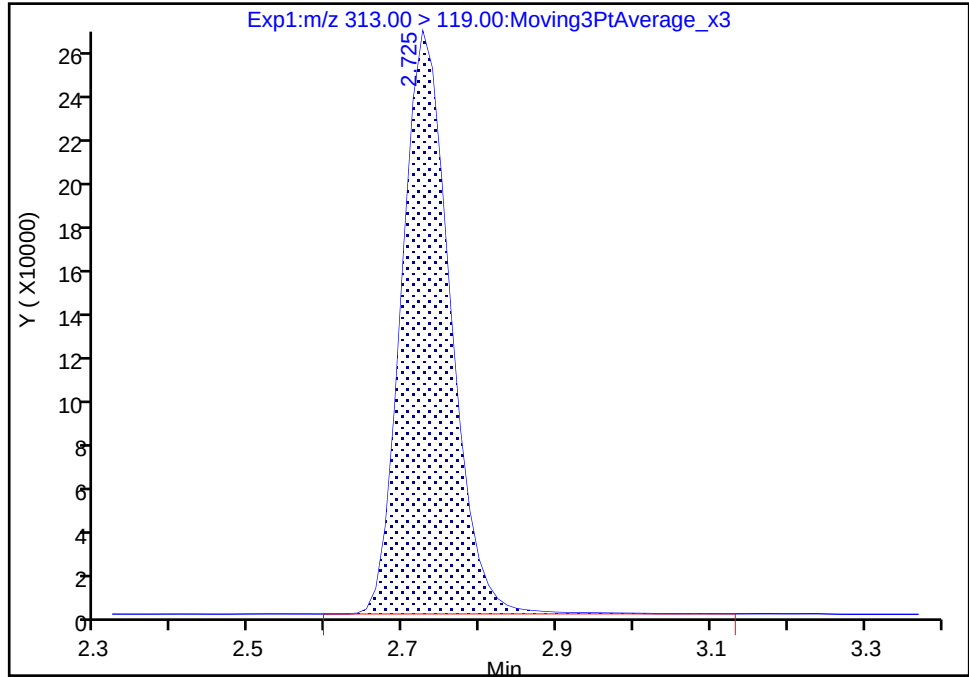
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

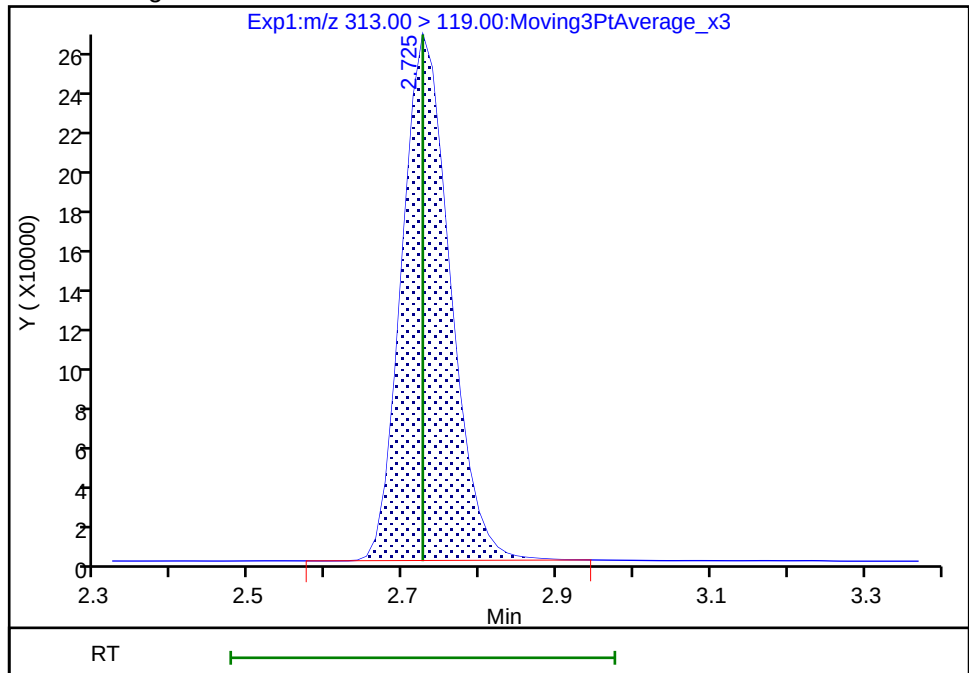
RT: 2.73
Area: 1145989
Amount: 9.027111
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 1139463
Amount: 8.989149
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:24:22

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

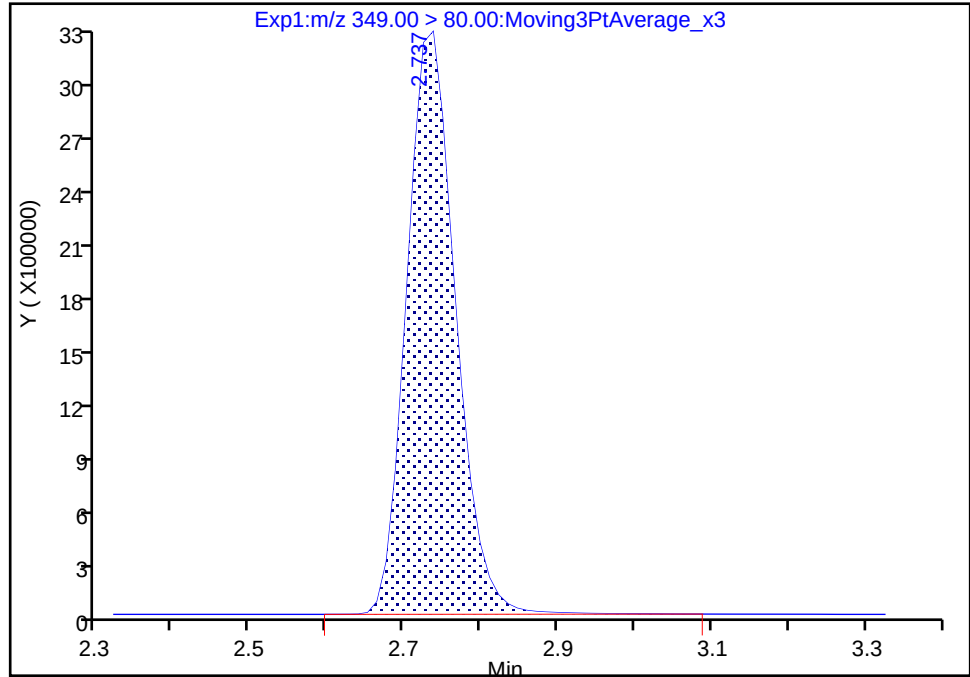
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

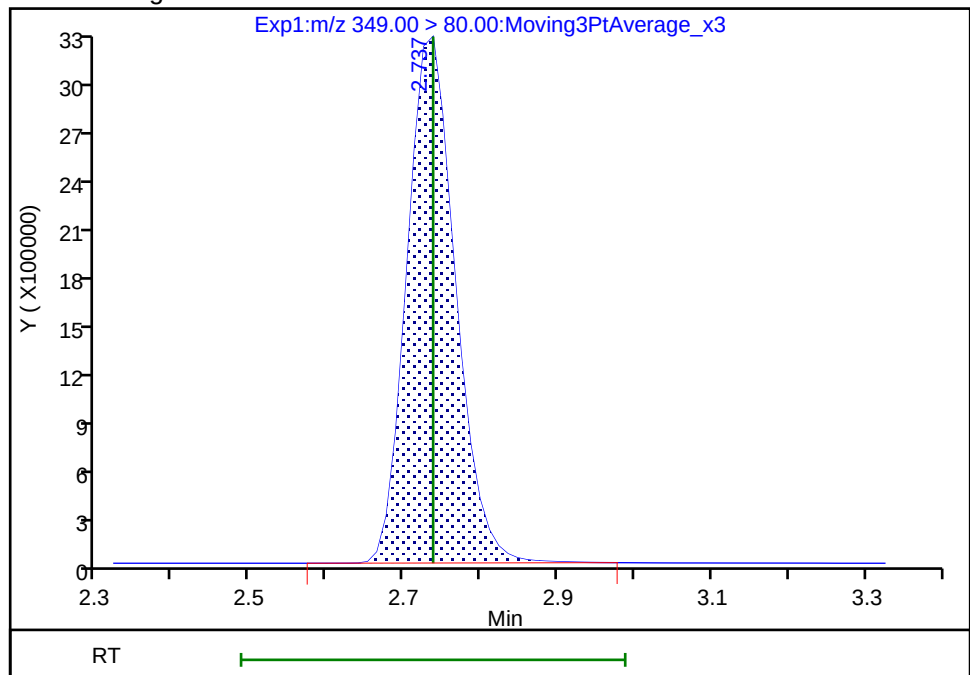
RT: 2.74
Area: 14186111
Amount: 8.840241
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 14151584
Amount: 8.842730
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:24:28
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

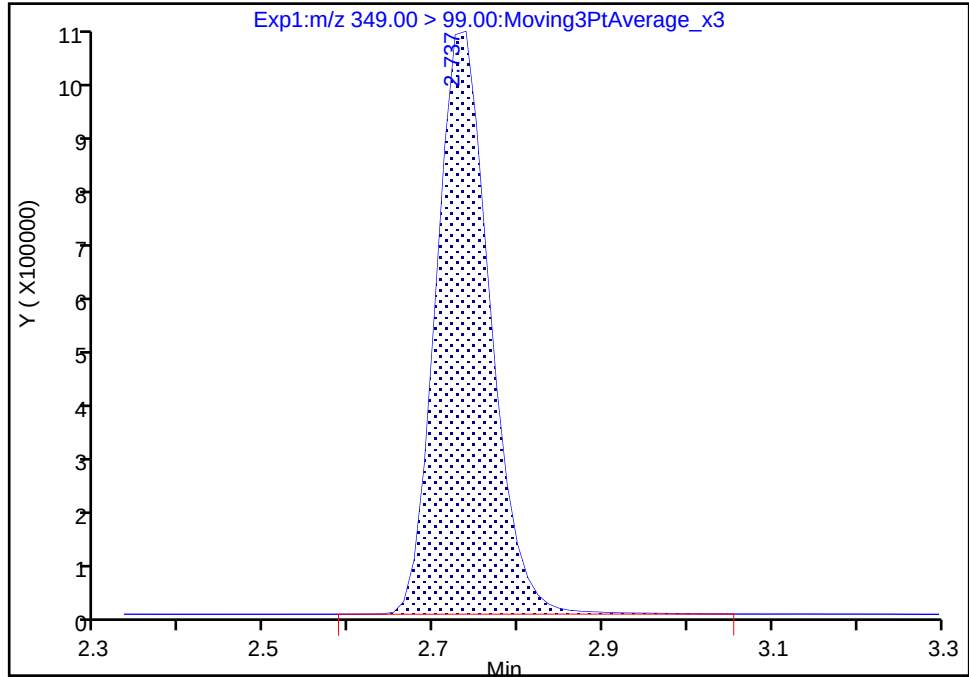
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 2

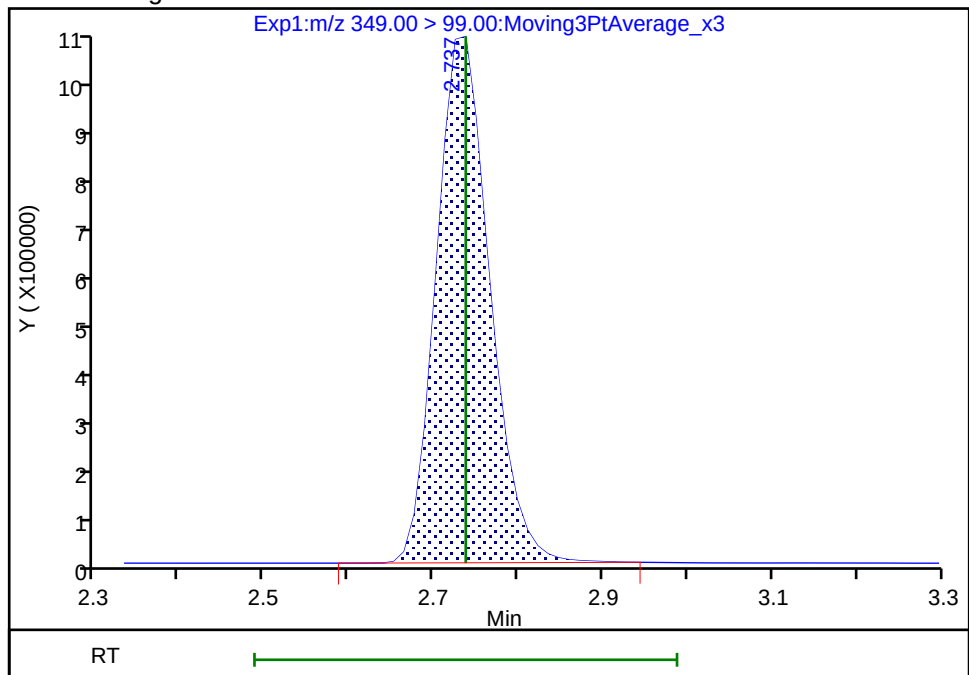
RT: 2.74
Area: 4717898
Amount: 8.840241
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 4699585
Amount: 8.842730
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:24:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

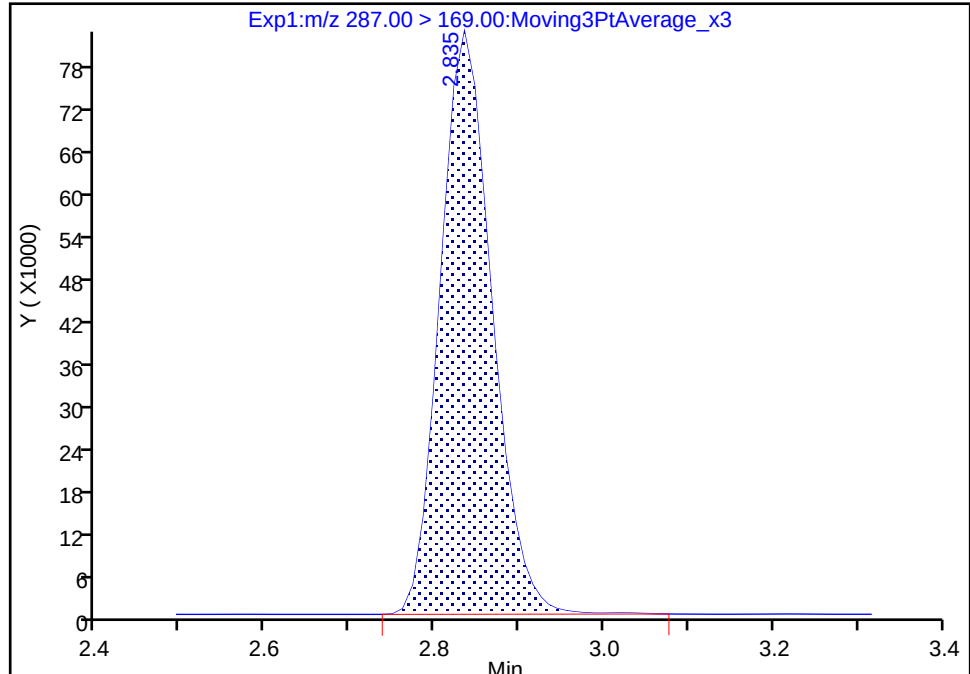
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 64 13C3 HFPO-DA, CAS: STL02255

Signal: 1

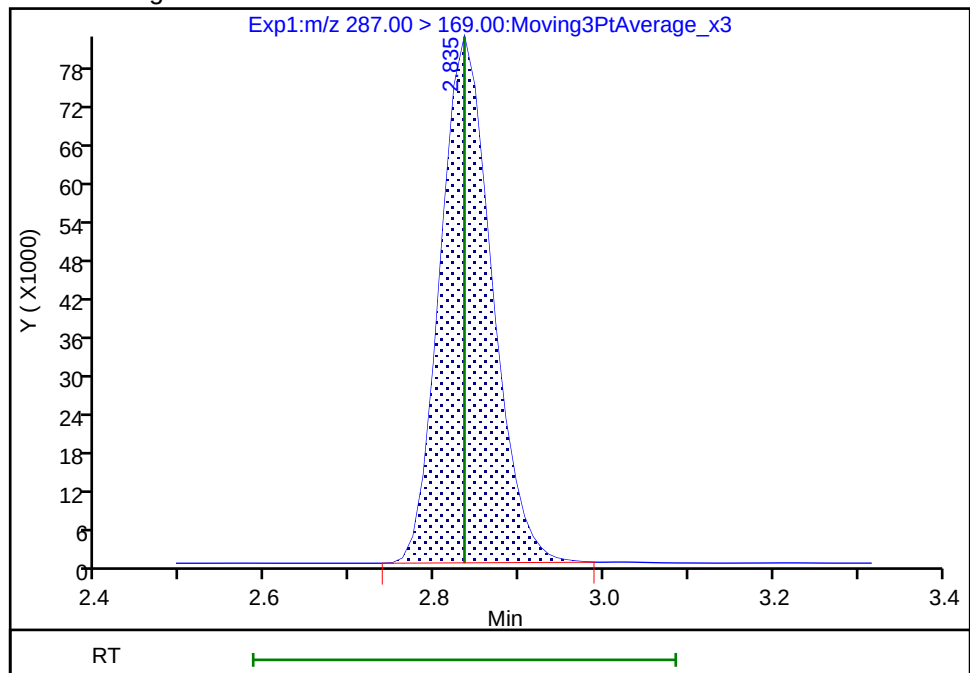
RT: 2.83
Area: 350493
Amount: 1.325043
Amount Units: ng/ml

Processing Integration Results



RT: 2.83
Area: 349067
Amount: 1.320601
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:24:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

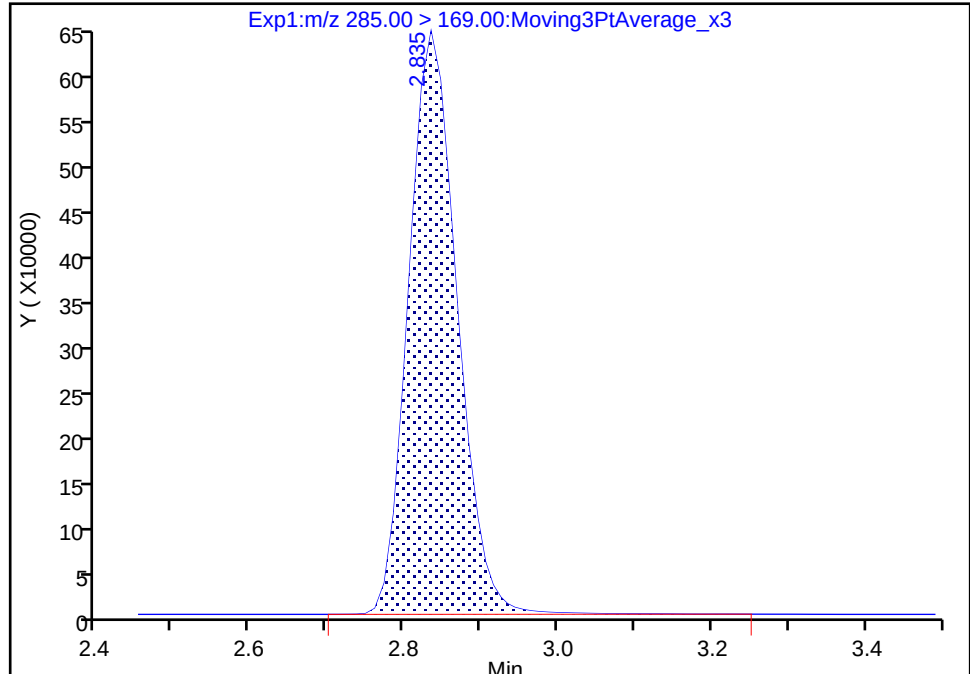
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

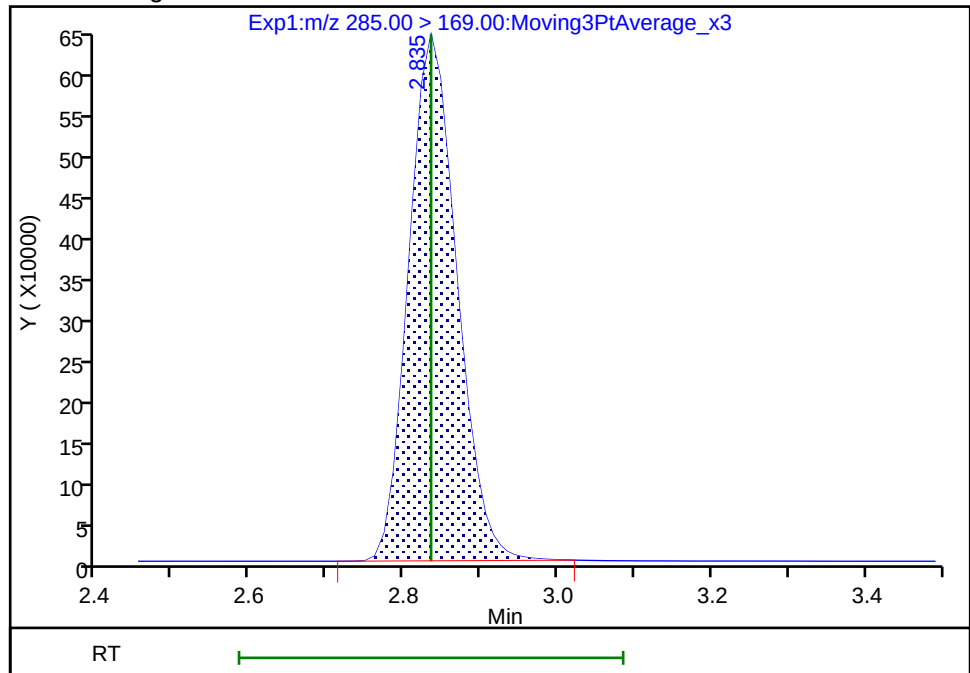
RT: 2.83
Area: 2806230
Amount: 9.475934
Amount Units: ng/ml

Processing Integration Results



RT: 2.83
Area: 2790710
Amount: 9.464218
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:24:39
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

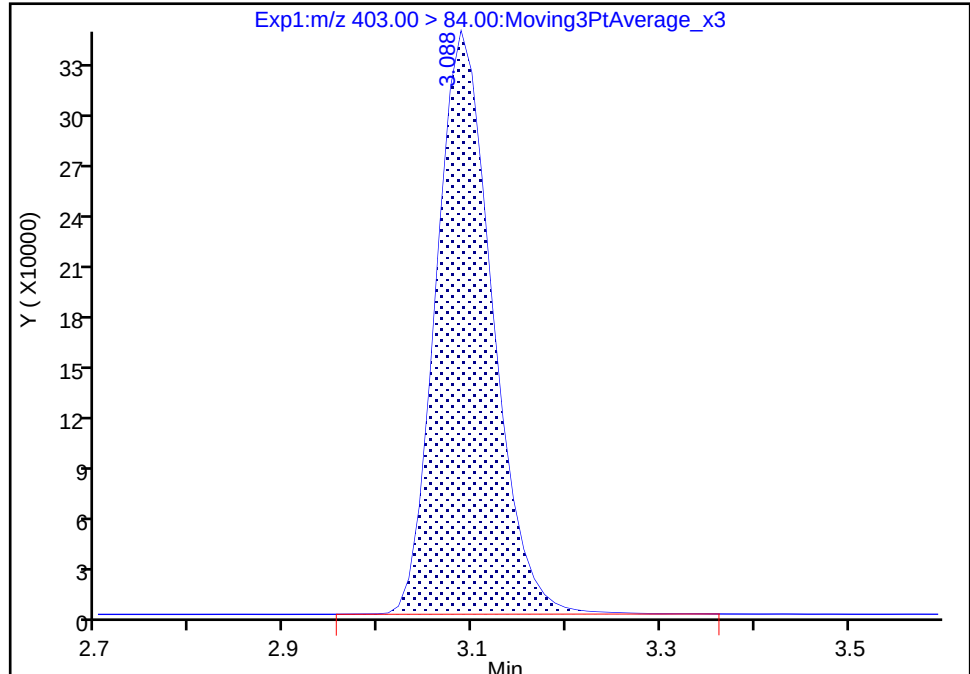
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 11 18O2 PFHxS, CAS: STL00994

Signal: 1

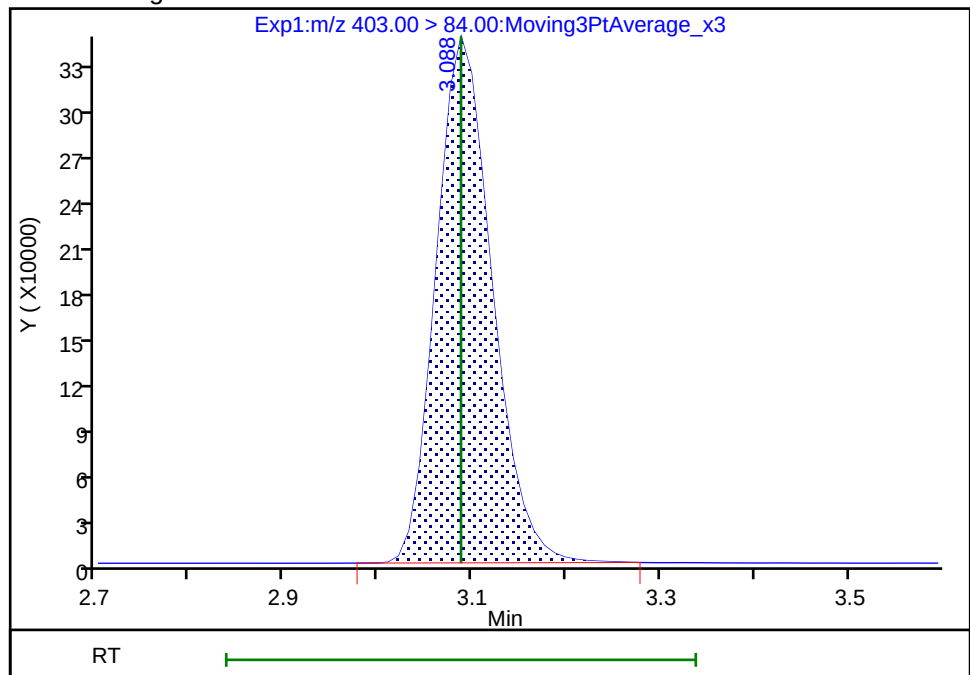
RT: 3.09
Area: 1421016
Amount: 1.255570
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 1417084
Amount: 1.252709
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:24:51
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

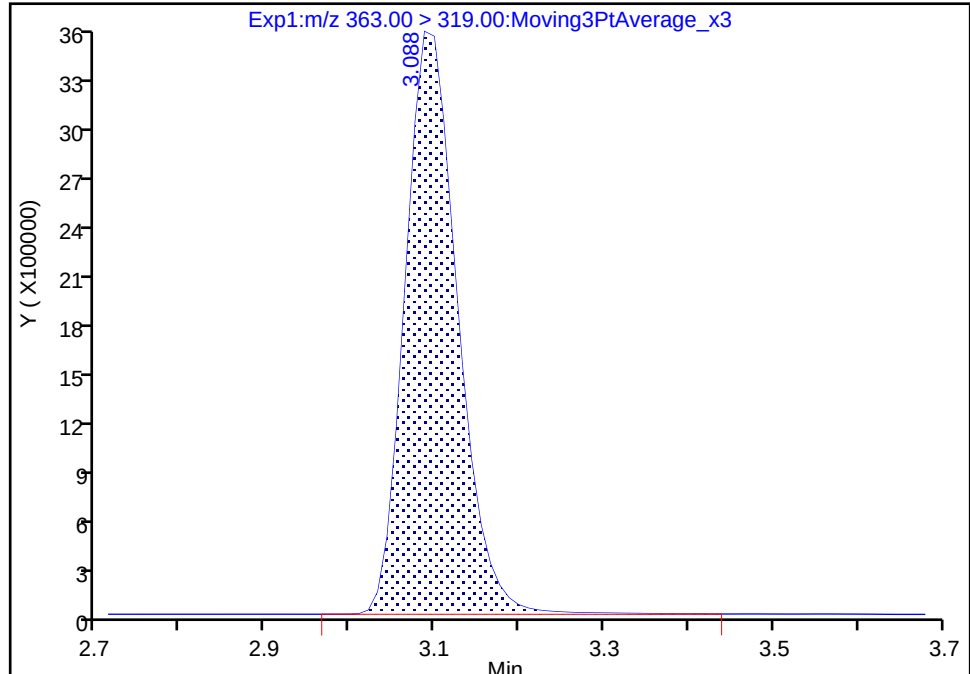
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

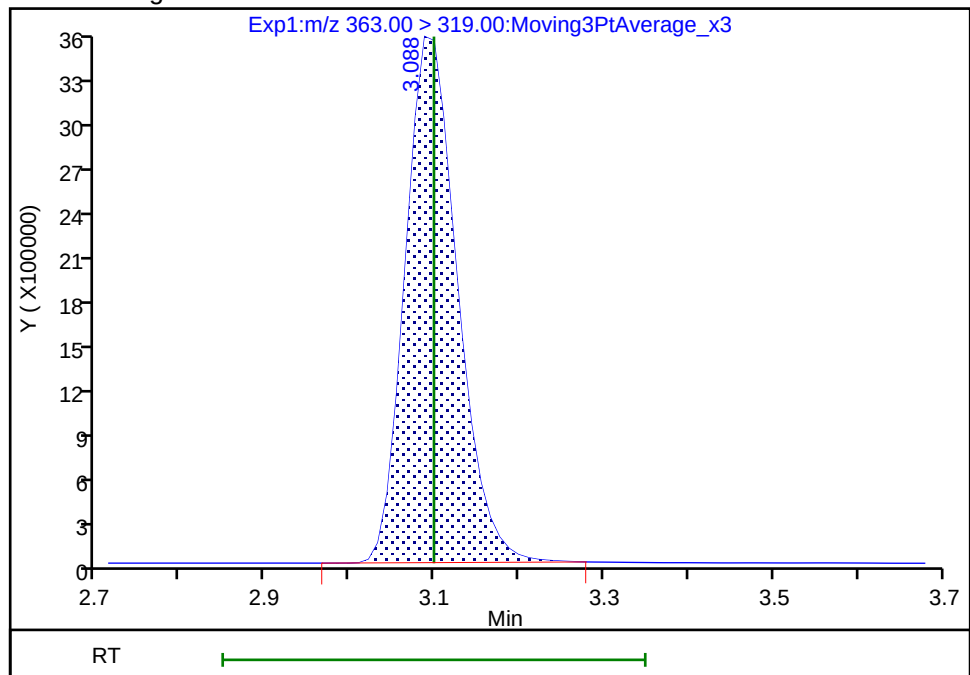
RT: 3.09
Area: 15507574
Amount: 9.027672
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 15384783
Amount: 8.966873
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:25:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

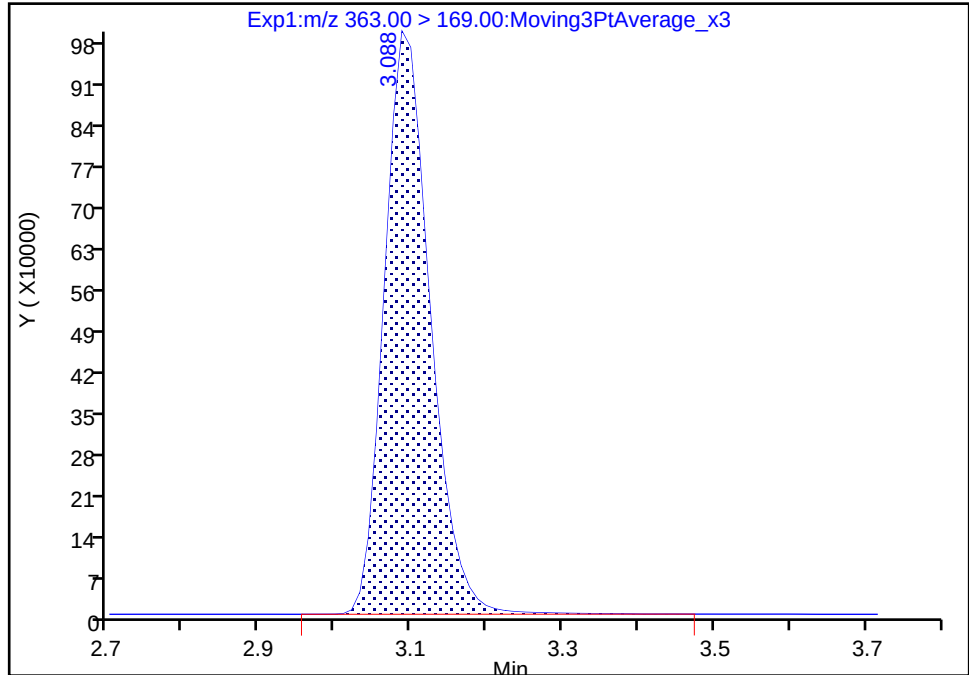
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

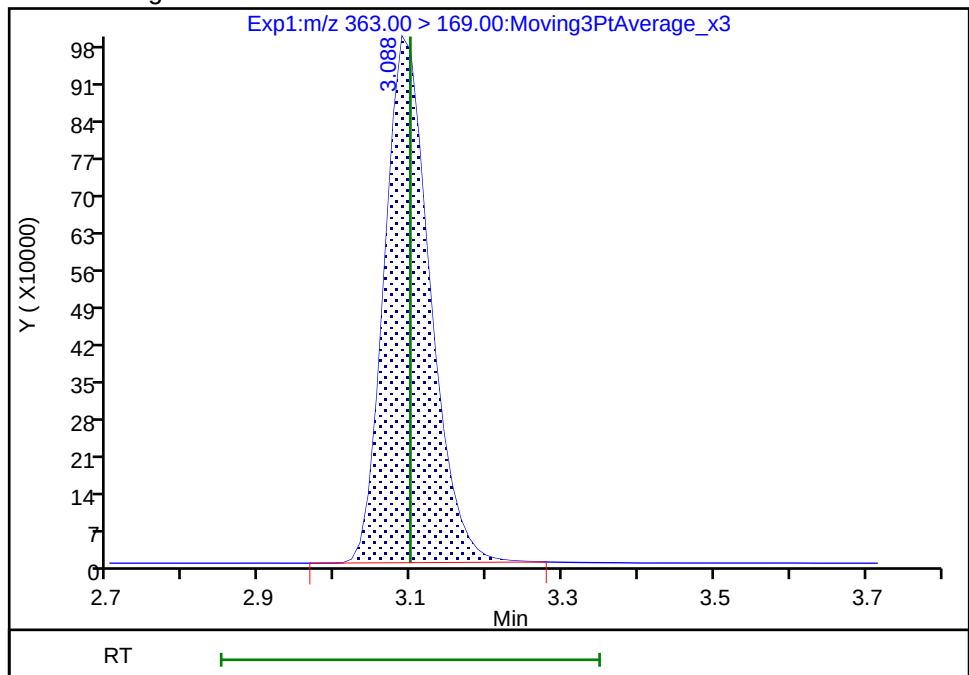
RT: 3.09
Area: 4165412
Amount: 9.027672
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 4138402
Amount: 8.966873
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:25:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

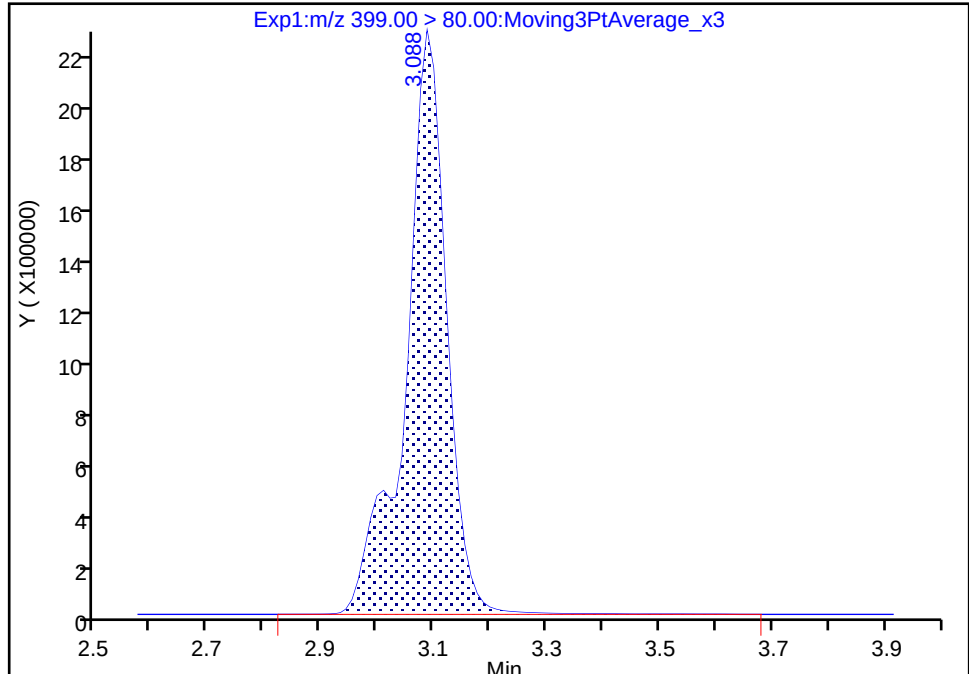
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

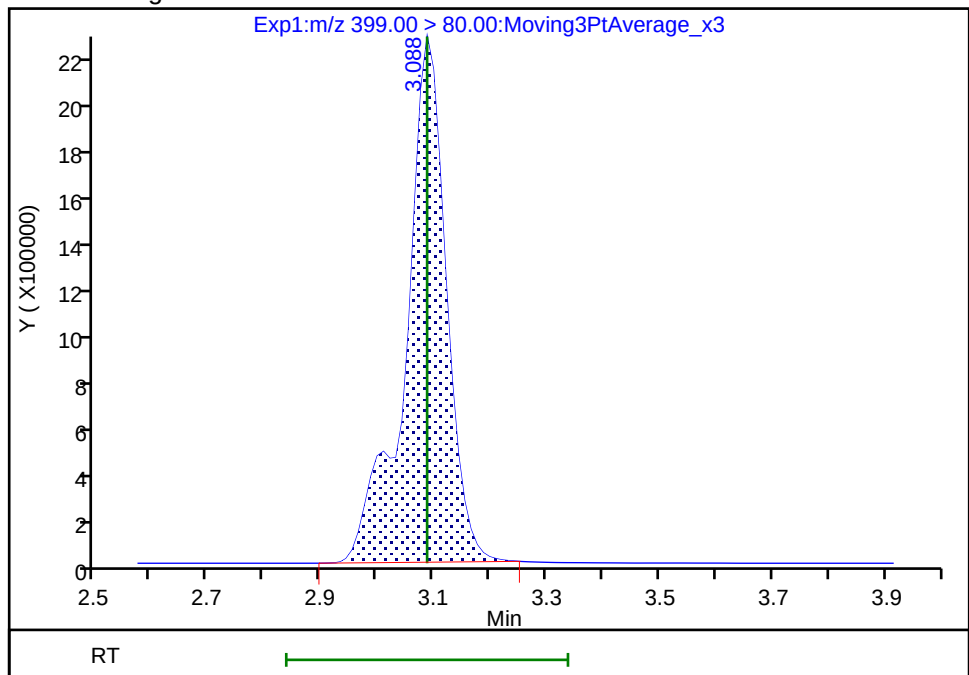
RT: 3.09
Area: 11572919
Amount: 8.540763
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 11438488
Amount: 8.456920
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:24:56
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

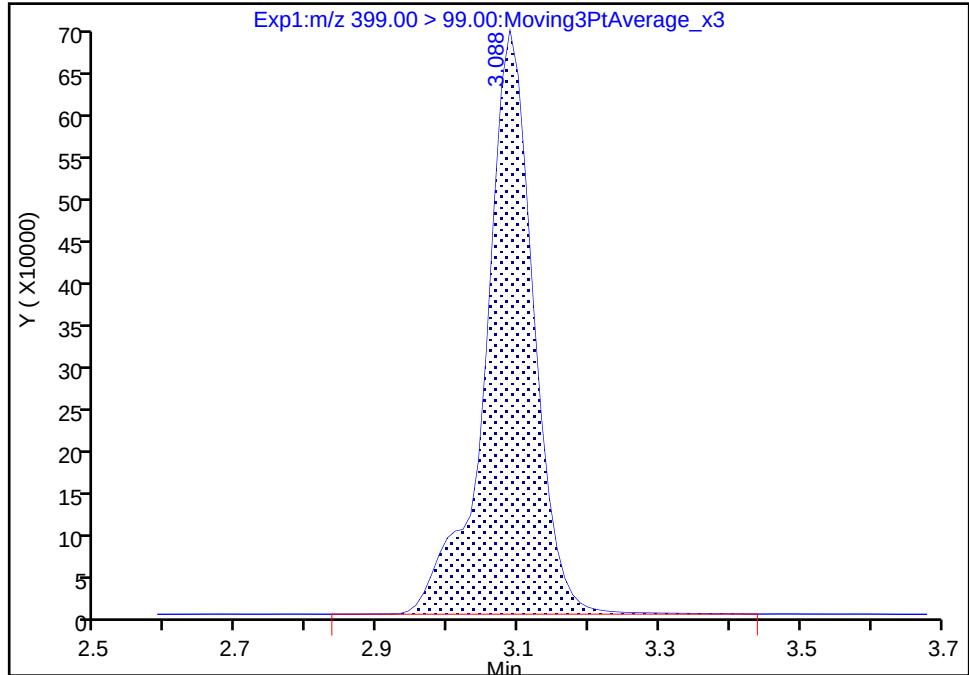
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

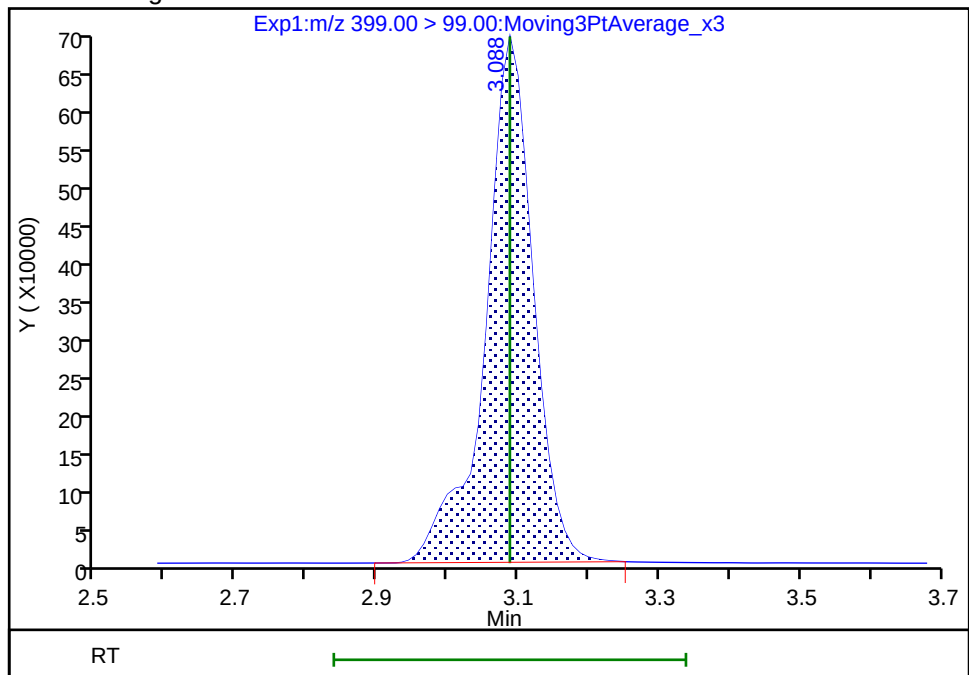
RT: 3.09
Area: 3294366
Amount: 8.540763
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 3266390
Amount: 8.456920
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:25:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

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12/27/2022

2:52 PM

Eurofins Burlington

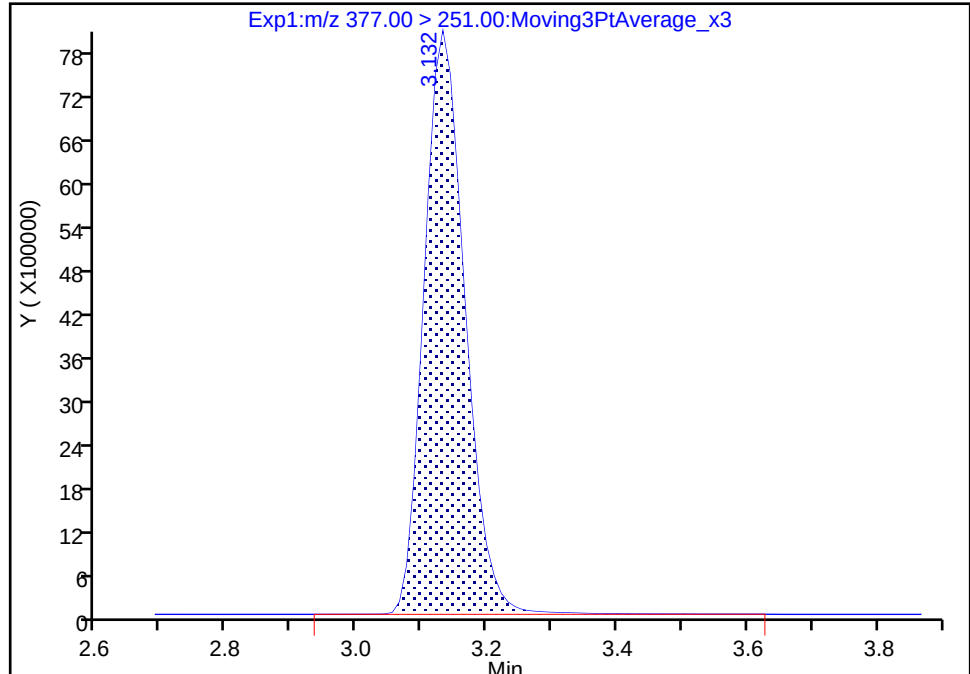
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

77 DONA, CAS: 919005-14-4

Signal: 1

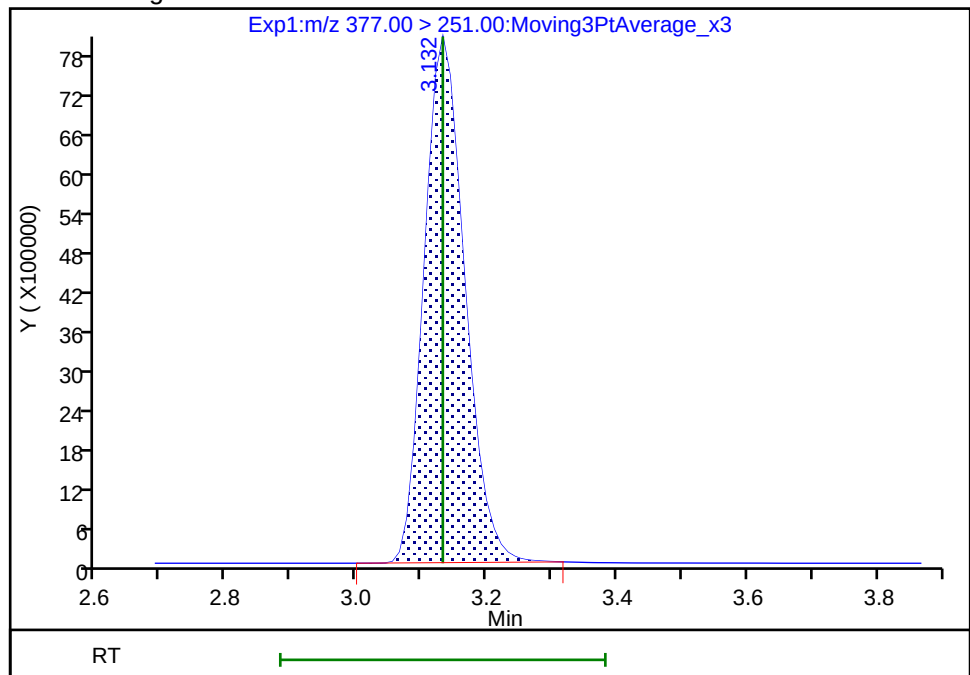
RT: 3.13
Area: 35196938
Amount: 7.677645
Amount Units: ng/ml

Processing Integration Results



RT: 3.13
Area: 34921387
Amount: 7.625648
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:25:16
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

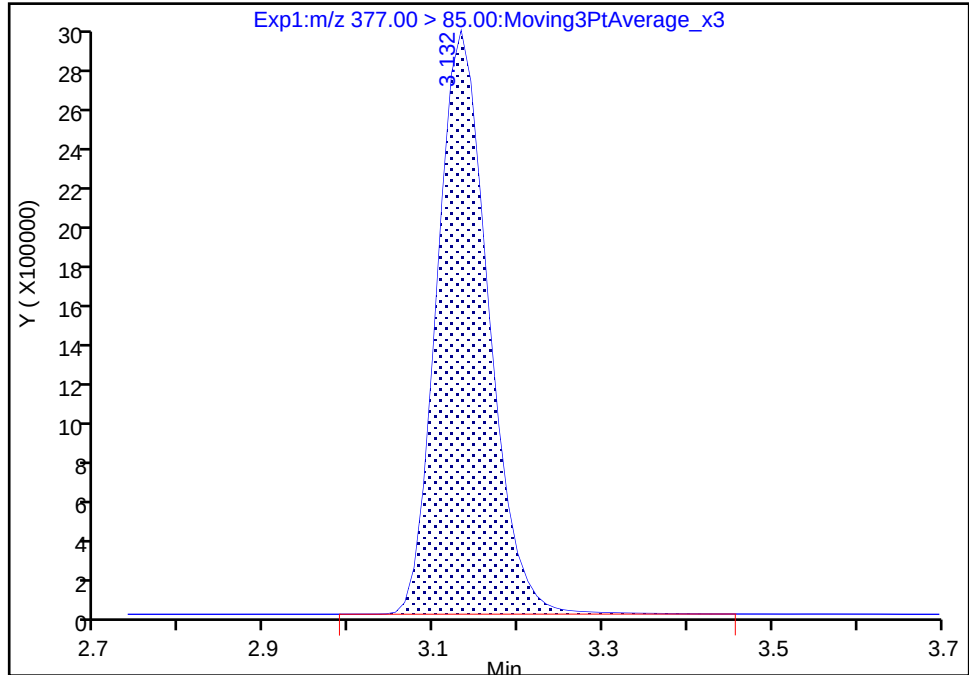
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

77 DONA, CAS: 919005-14-4

Signal: 2

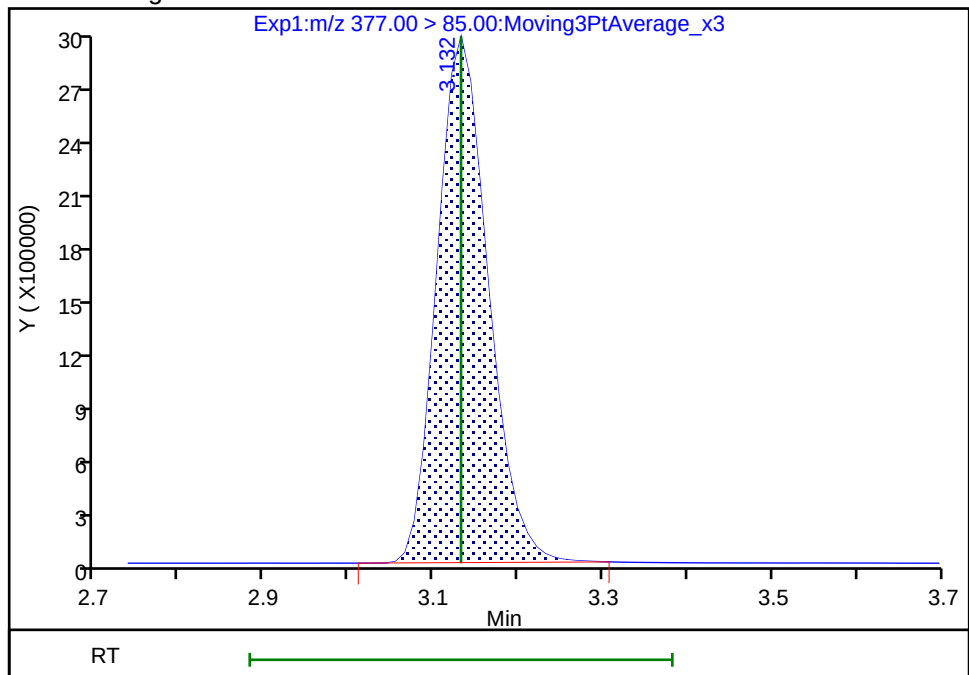
RT: 3.13
Area: 12365652
Amount: 7.677645
Amount Units: ng/ml

Processing Integration Results



RT: 3.13
Area: 12293064
Amount: 7.625648
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:25:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

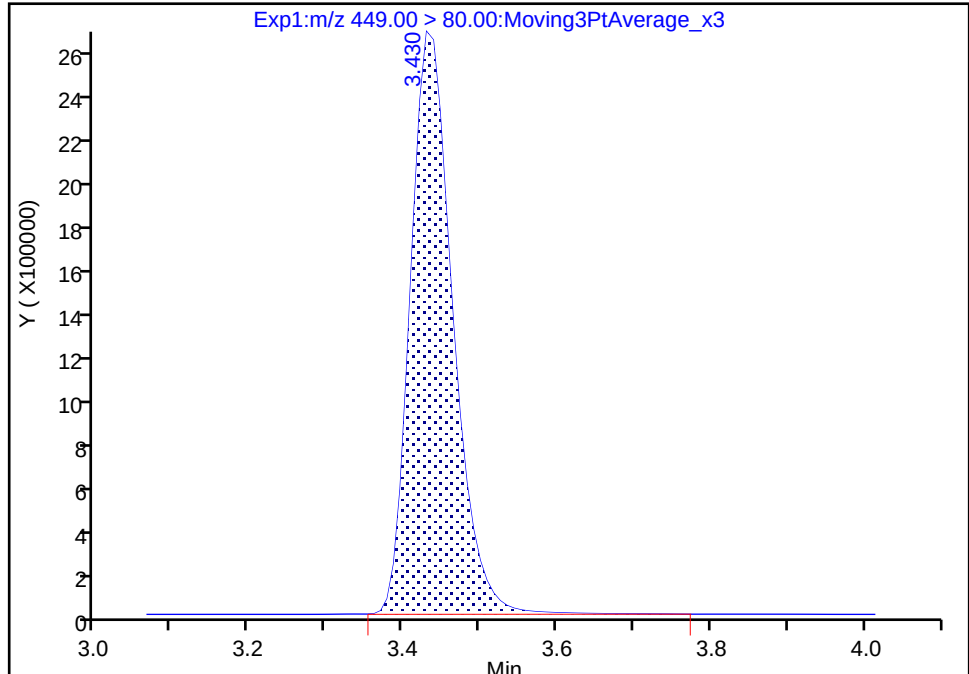
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

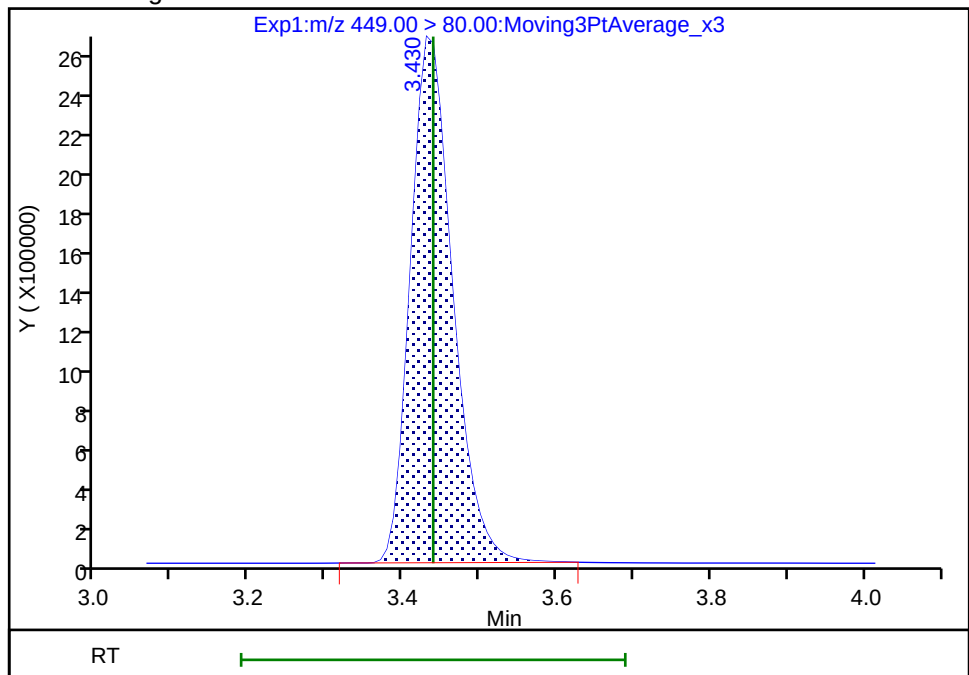
RT: 3.43
Area: 10231634
Amount: 8.801285
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 10171074
Amount: 8.757178
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:25:29
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

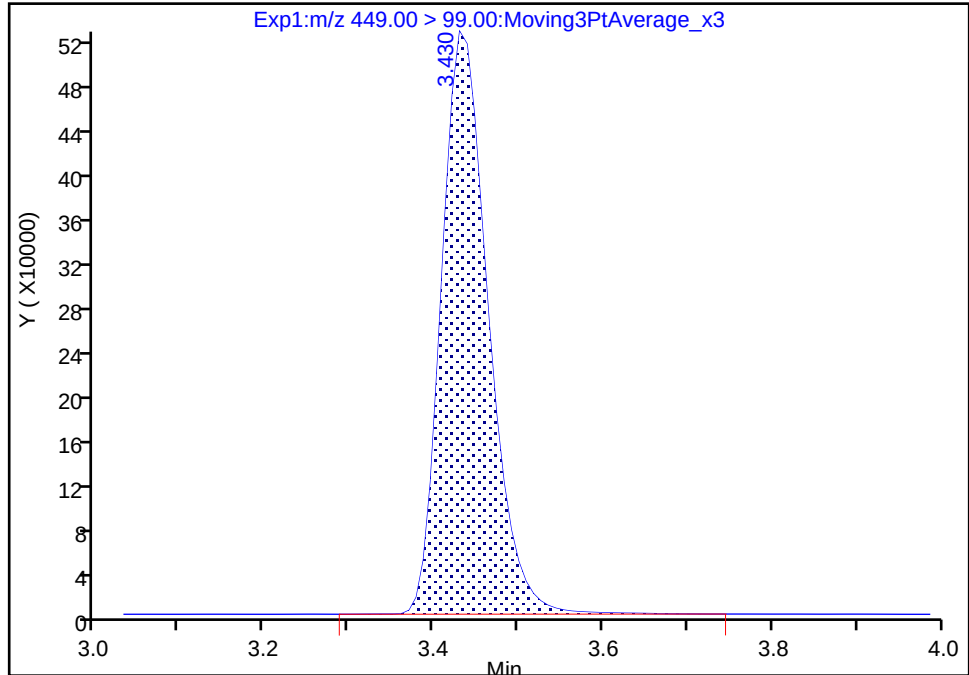
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

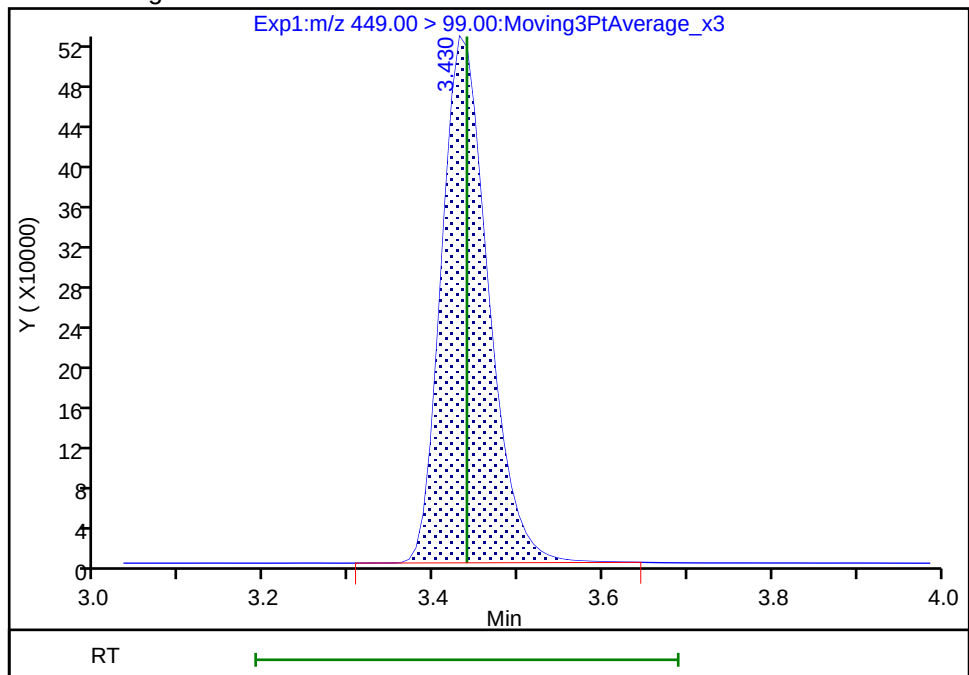
RT: 3.43
Area: 1997290
Amount: 8.801285
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 1989808
Amount: 8.757178
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:25:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

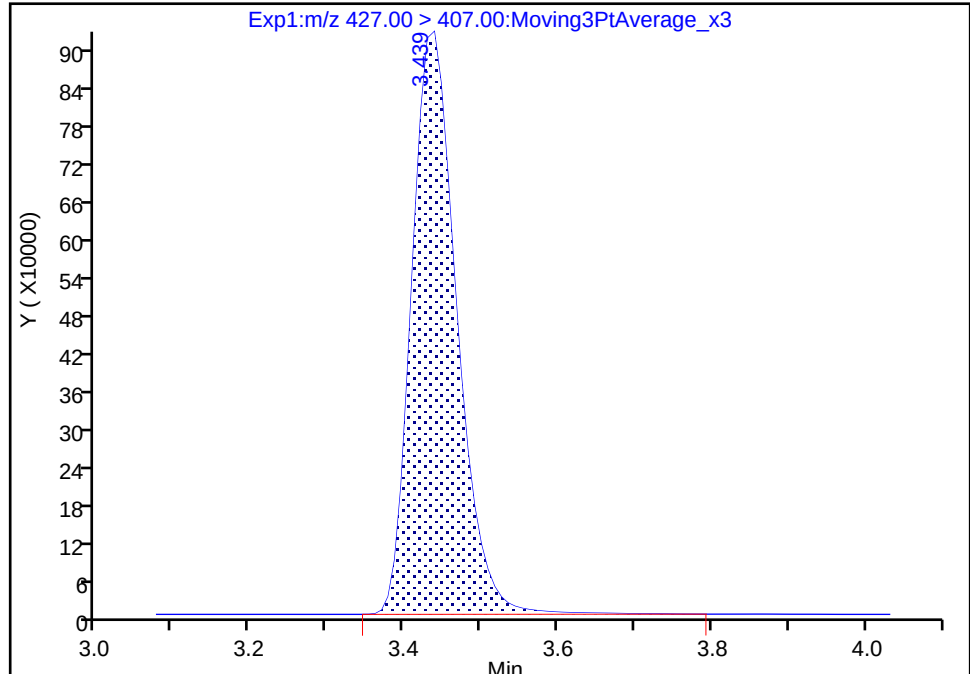
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

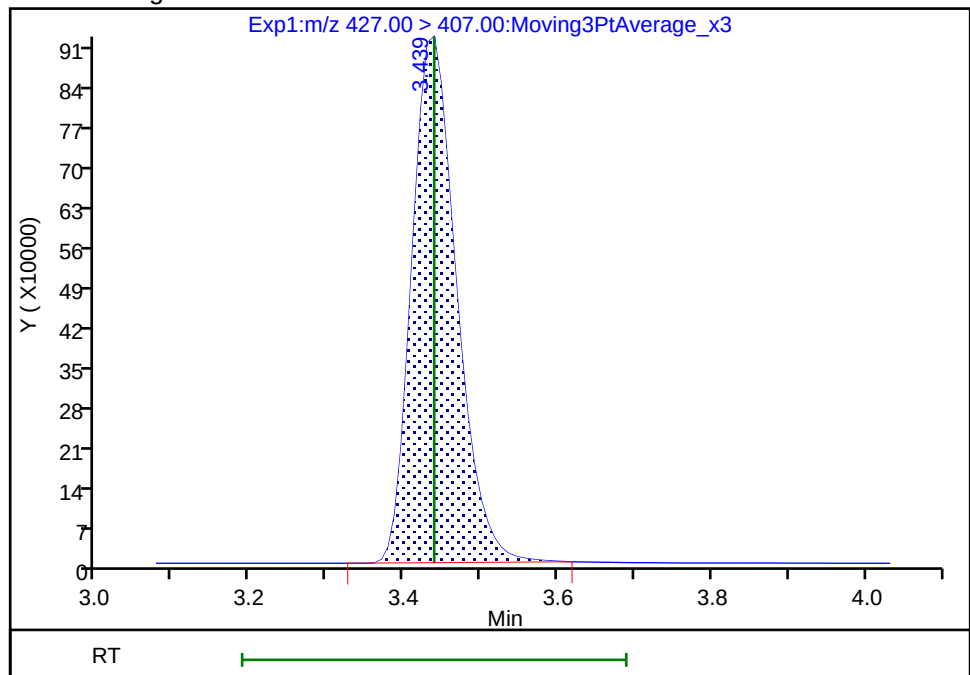
RT: 3.44
Area: 3774301
Amount: 8.926391
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 3743844
Amount: 9.473646
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:25:25
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

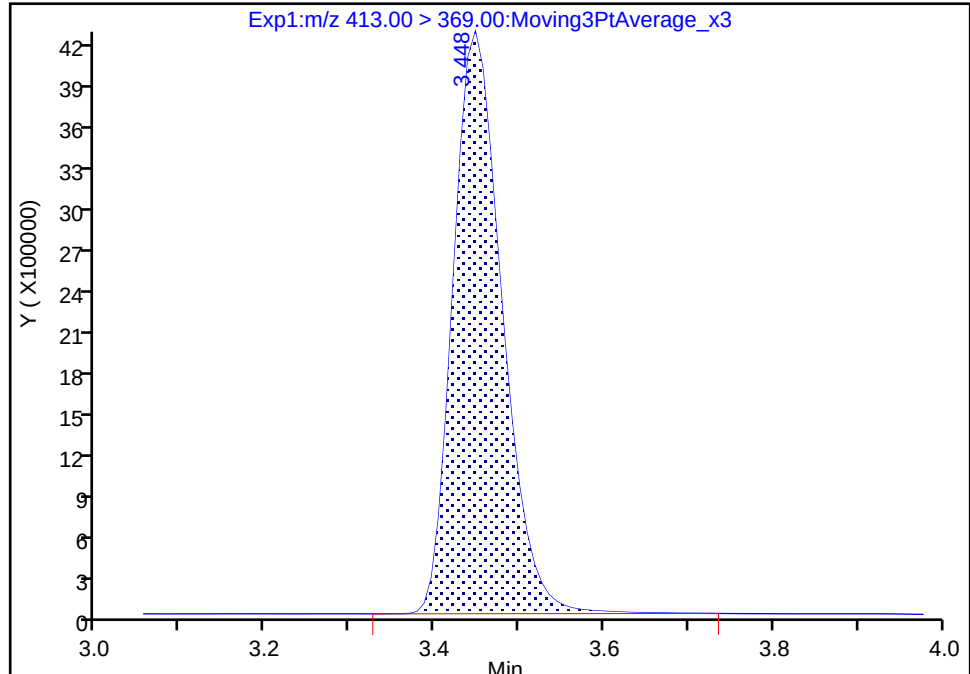
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

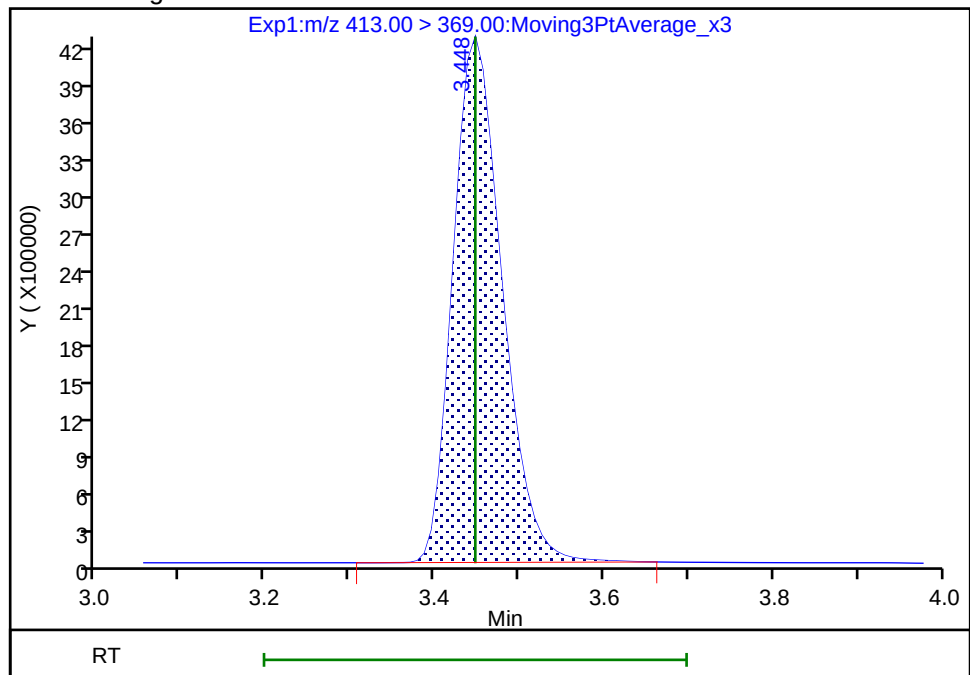
RT: 3.45
Area: 17030570
Amount: 9.031728
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 16977289
Amount: 9.007714
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:25:52
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

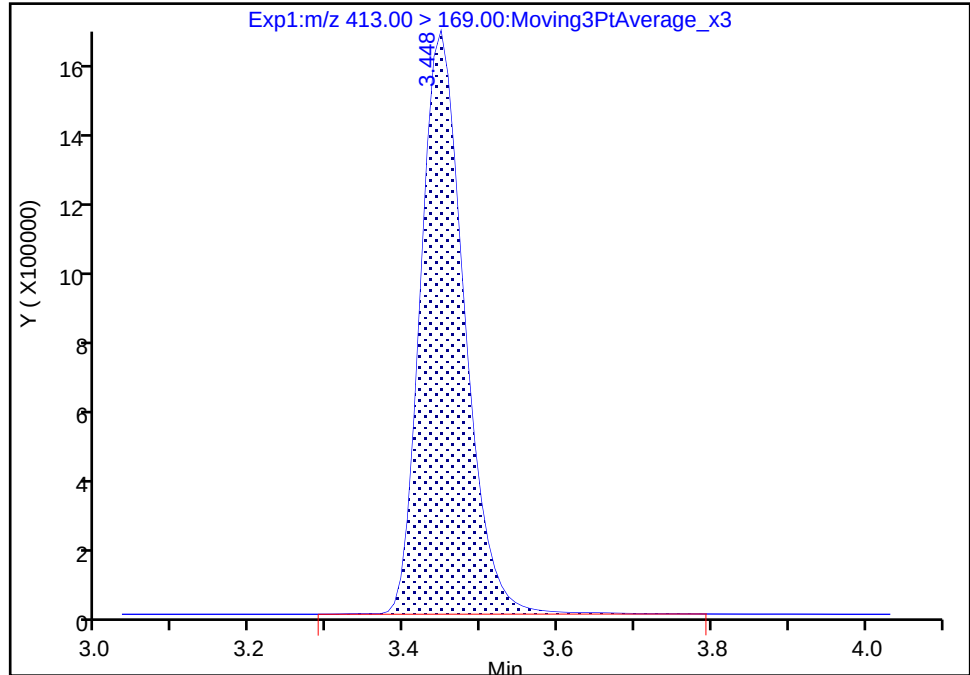
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

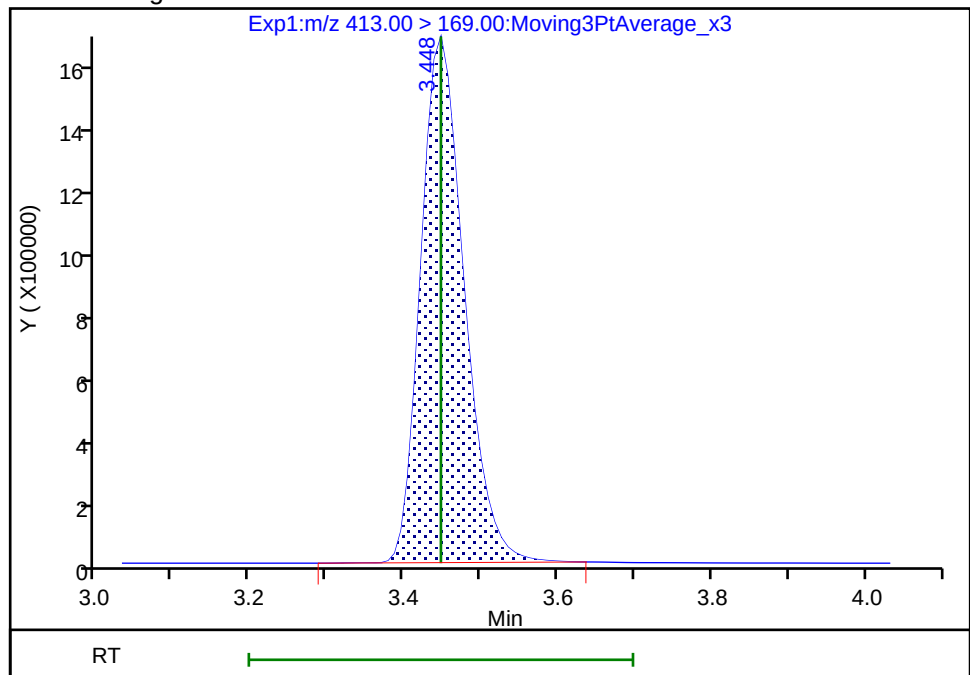
RT: 3.45
Area: 6304212
Amount: 9.031728
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 6260421
Amount: 9.007714
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:25:56

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

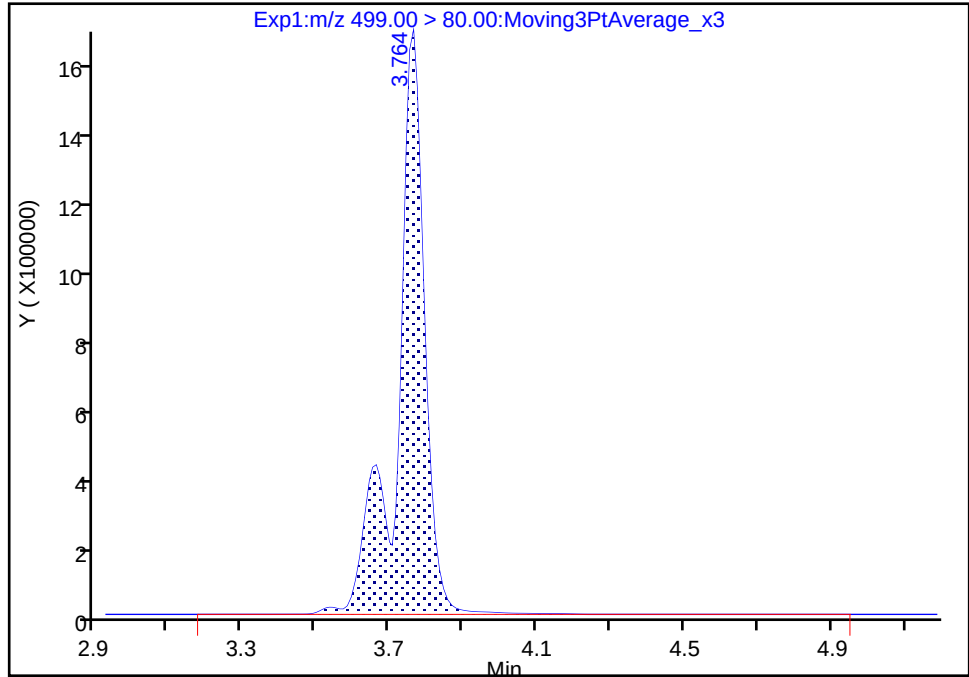
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

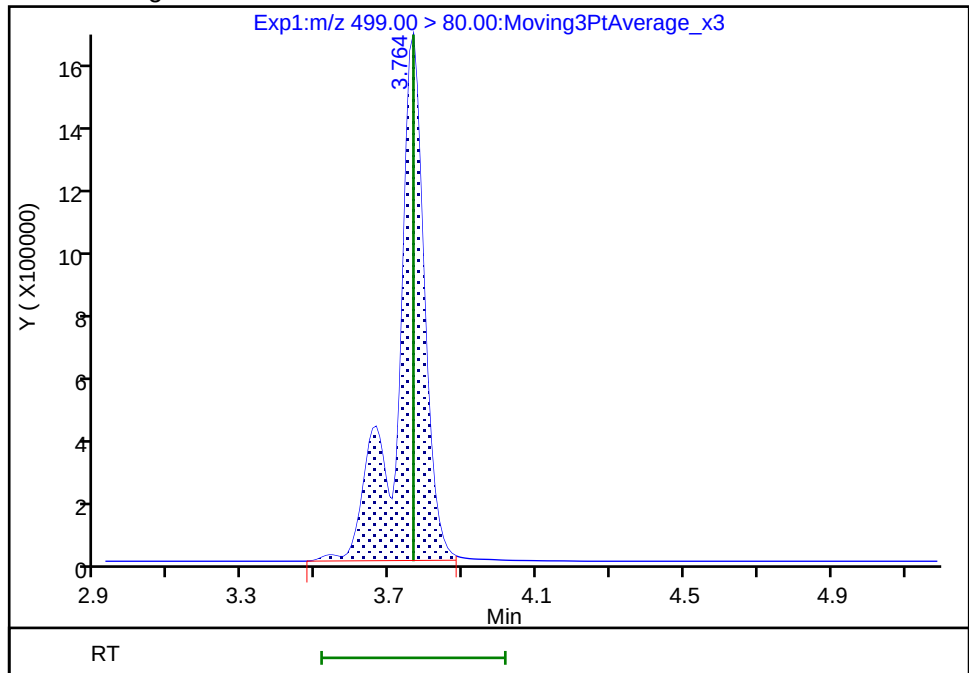
RT: 3.76
Area: 8658897
Amount: 8.543354
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 8534676
Amount: 8.439368
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:26:17
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

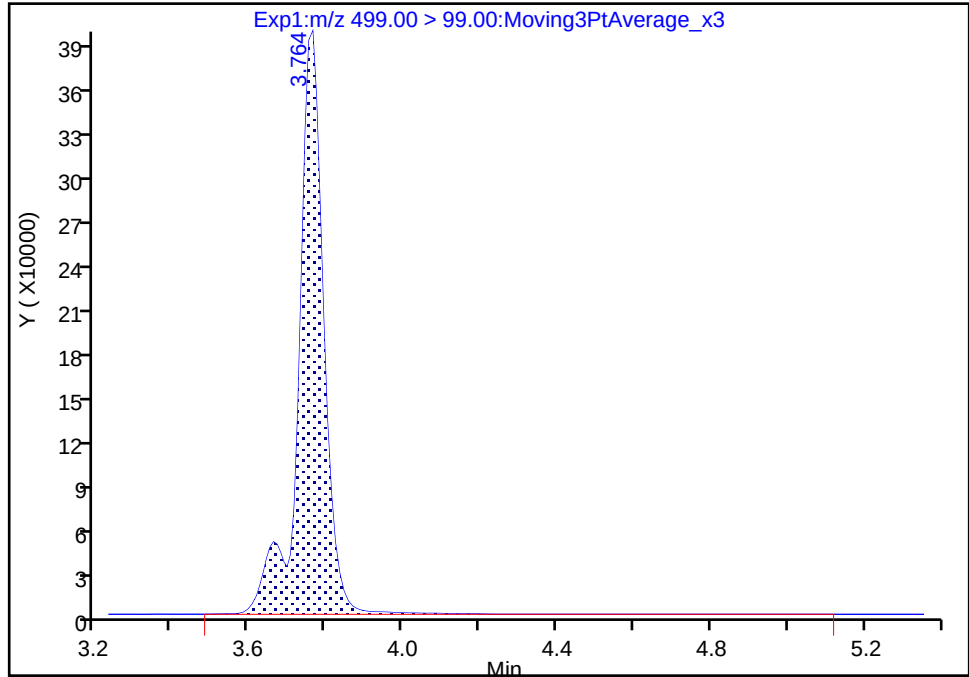
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

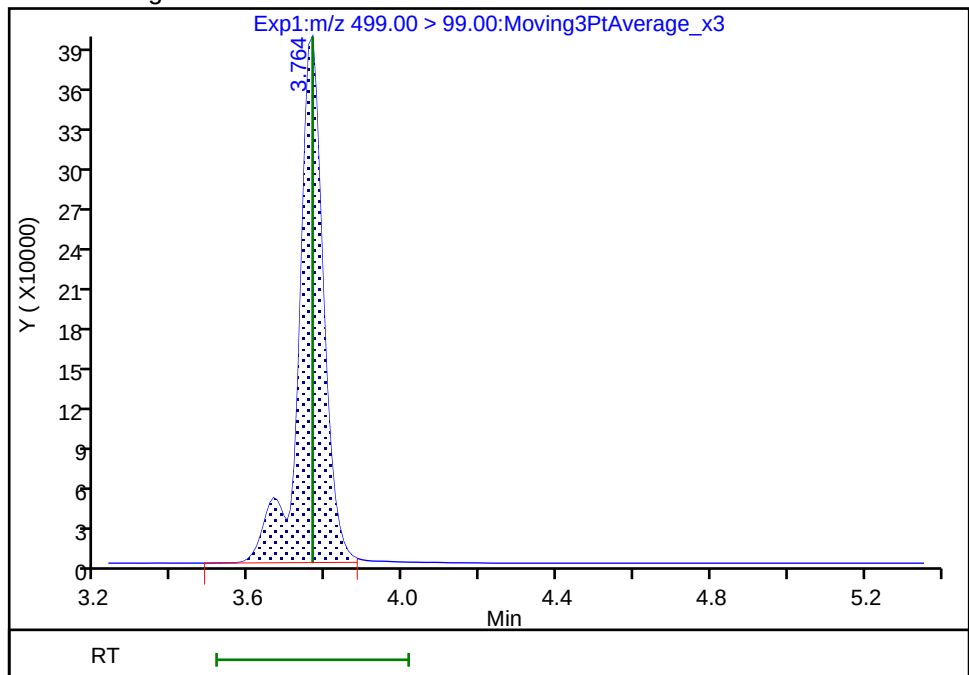
RT: 3.76
Area: 1795864
Amount: 8.543354
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 1770034
Amount: 8.439368
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:26:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

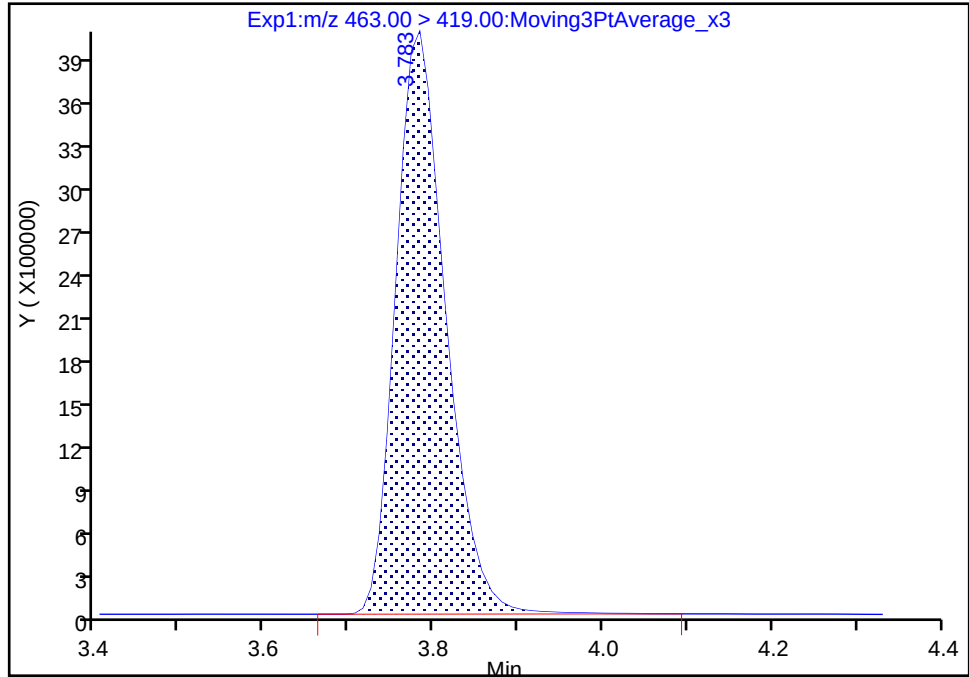
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

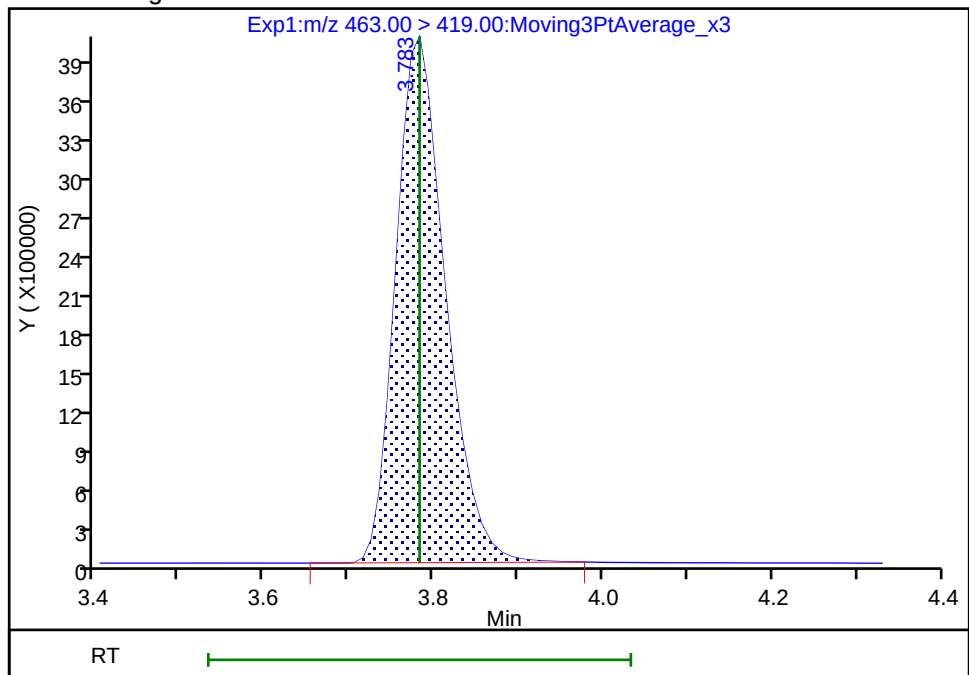
RT: 3.78
Area: 16420625
Amount: 9.401886
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 16342622
Amount: 9.364194
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:26:29
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

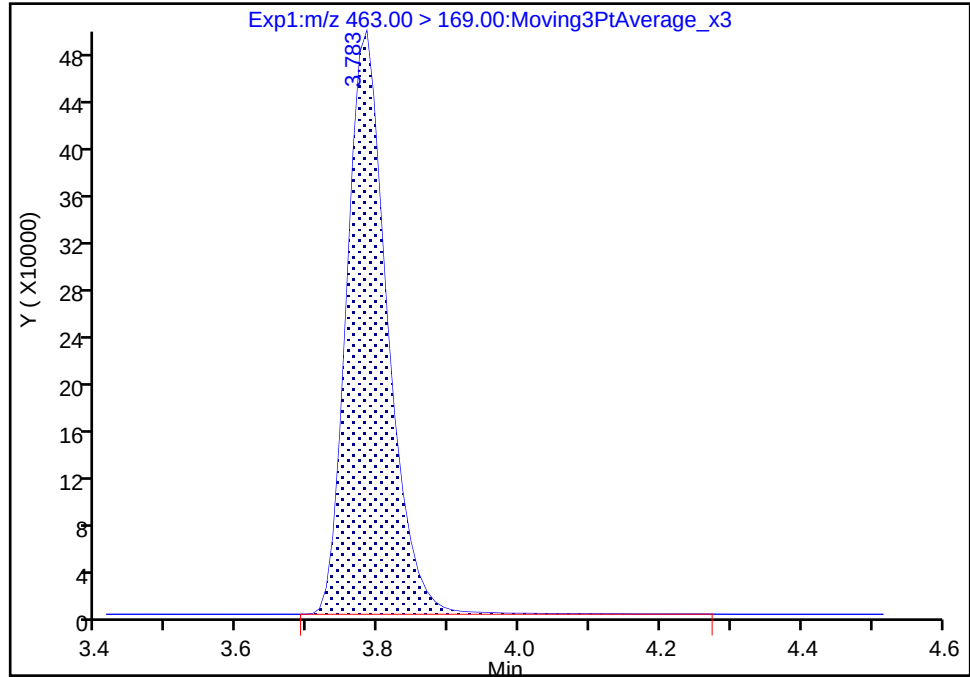
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

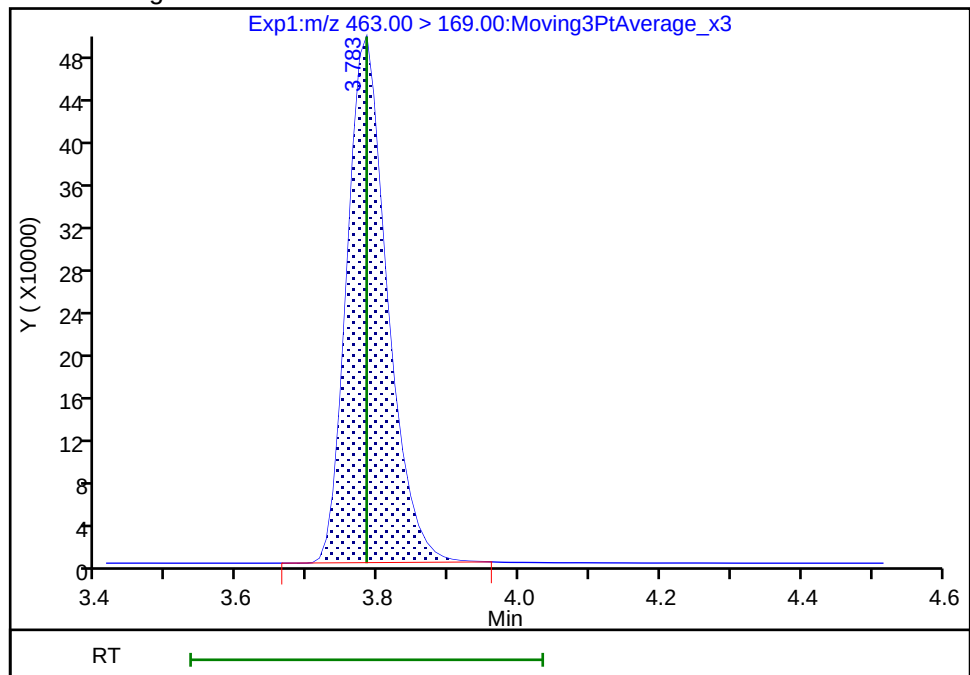
RT: 3.78
Area: 1954132
Amount: 9.401886
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 1938179
Amount: 9.364194
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:26:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

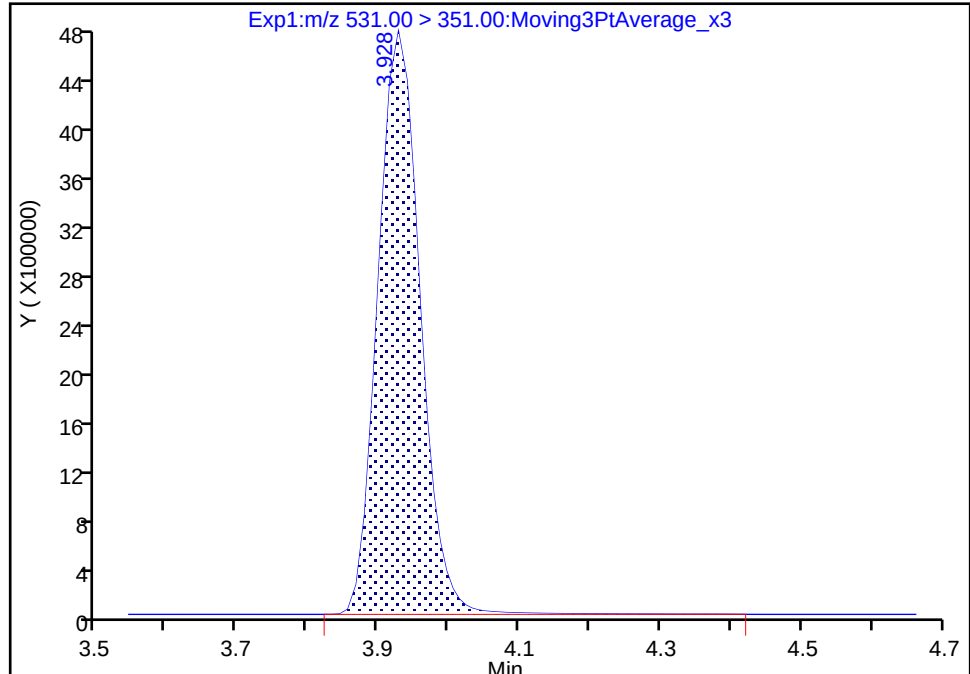
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

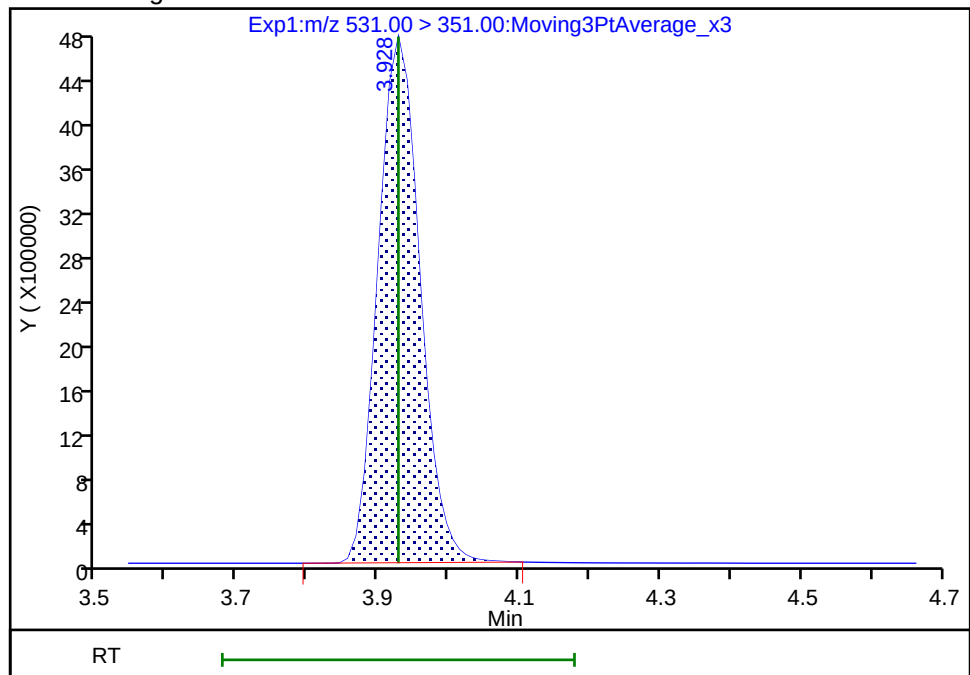
RT: 3.93
Area: 19643577
Amount: 8.453015
Amount Units: ng/ml

Processing Integration Results



RT: 3.93
Area: 19485090
Amount: 8.395054
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:26:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

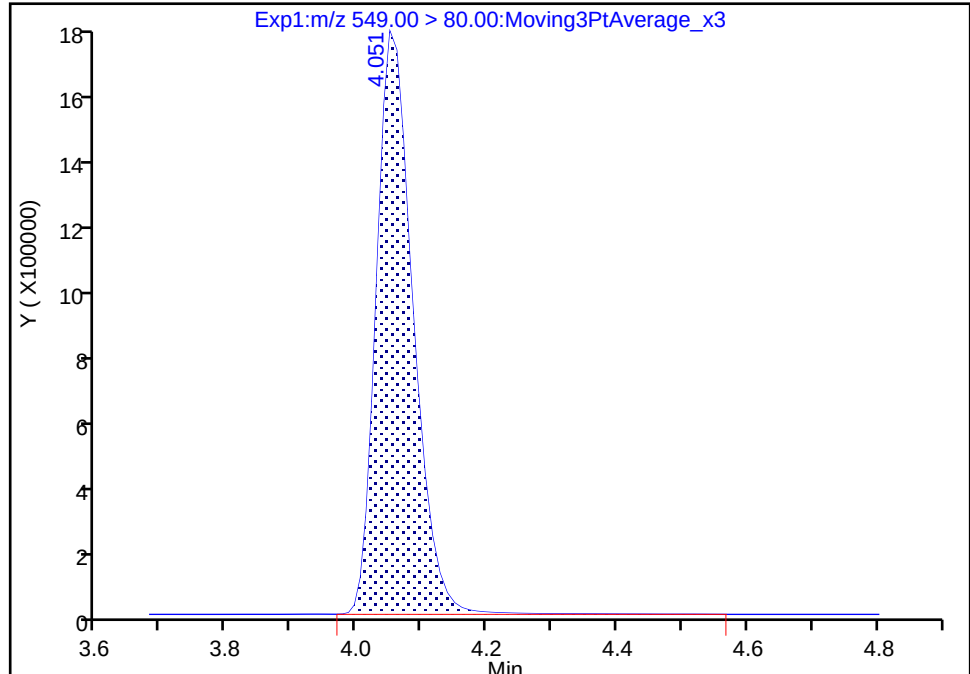
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 1

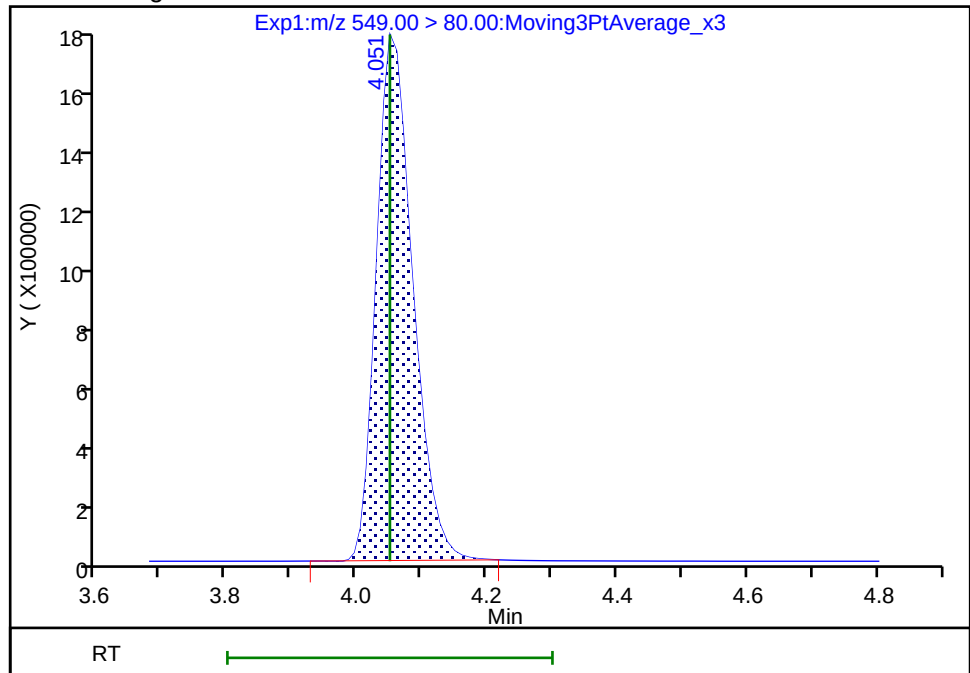
RT: 4.05
Area: 6901061
Amount: 9.026930
Amount Units: ng/ml

Processing Integration Results



RT: 4.05
Area: 6831873
Amount: 8.950492
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:26:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

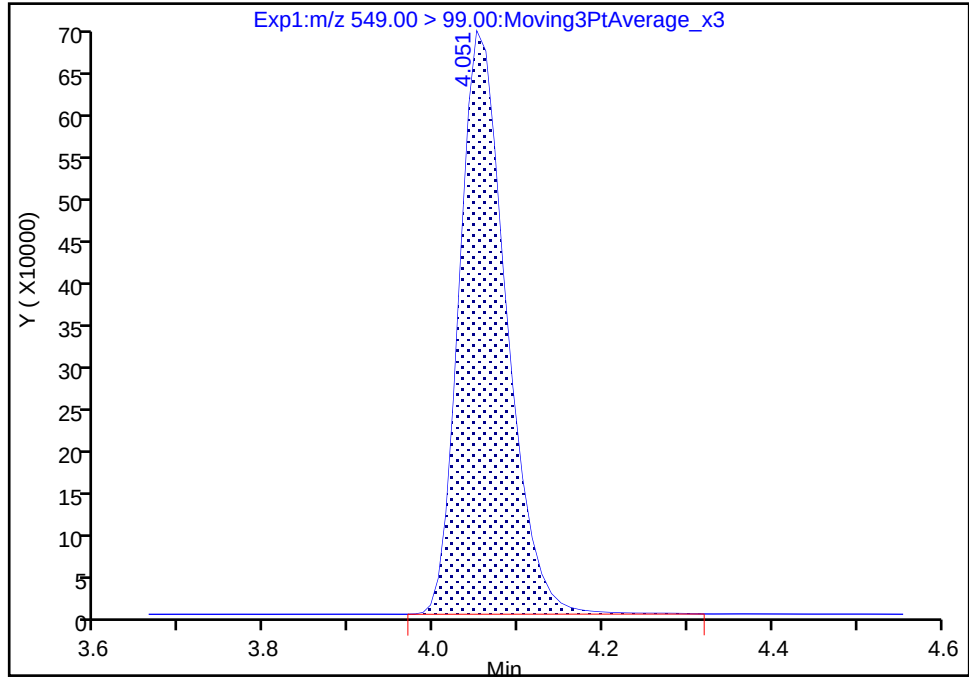
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 2

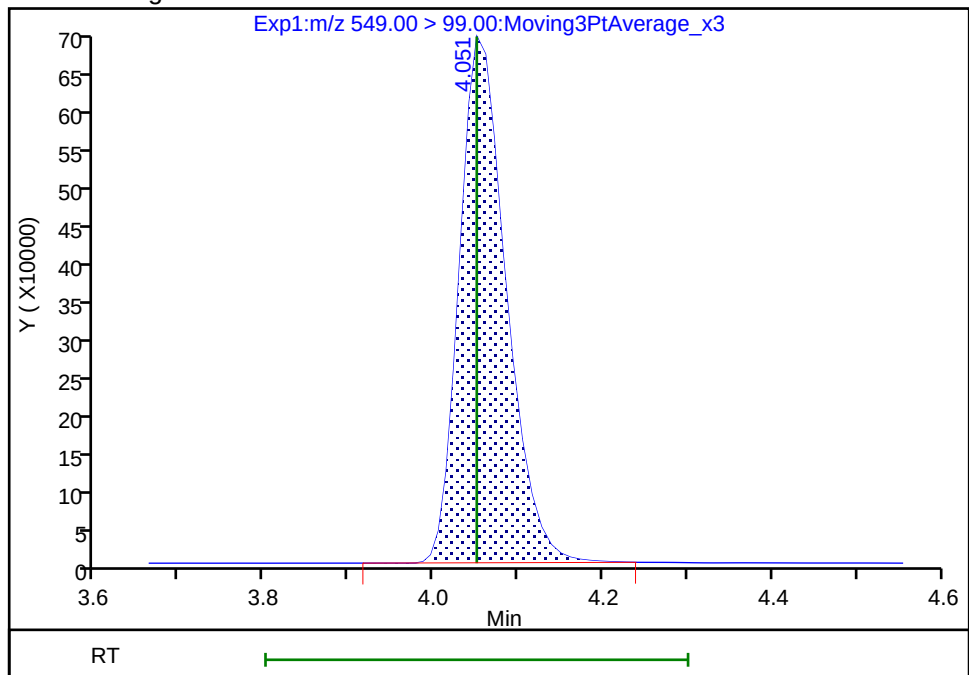
RT: 4.05
Area: 2665260
Amount: 9.026930
Amount Units: ng/ml

Processing Integration Results



RT: 4.05
Area: 2652769
Amount: 8.950492
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:26:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

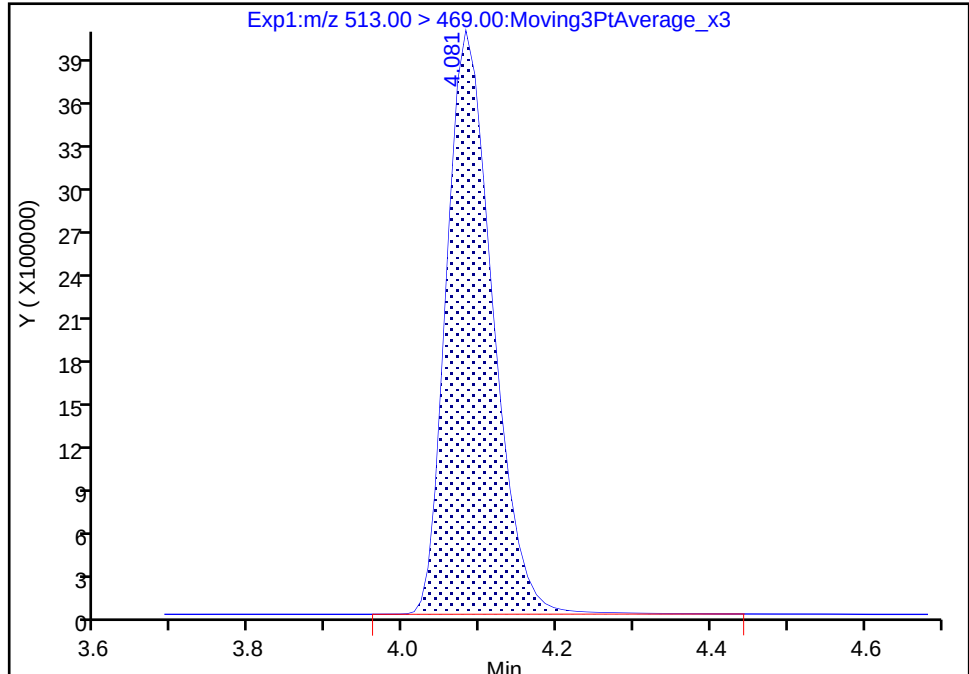
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

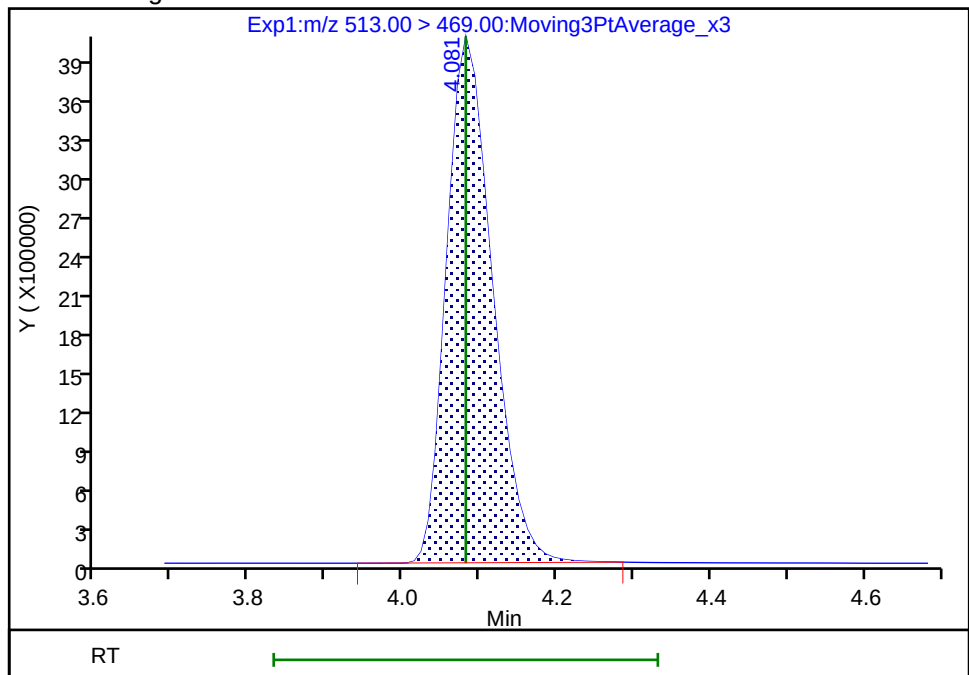
RT: 4.08
Area: 16777487
Amount: 8.666535
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 16688874
Amount: 8.627343
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:27:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

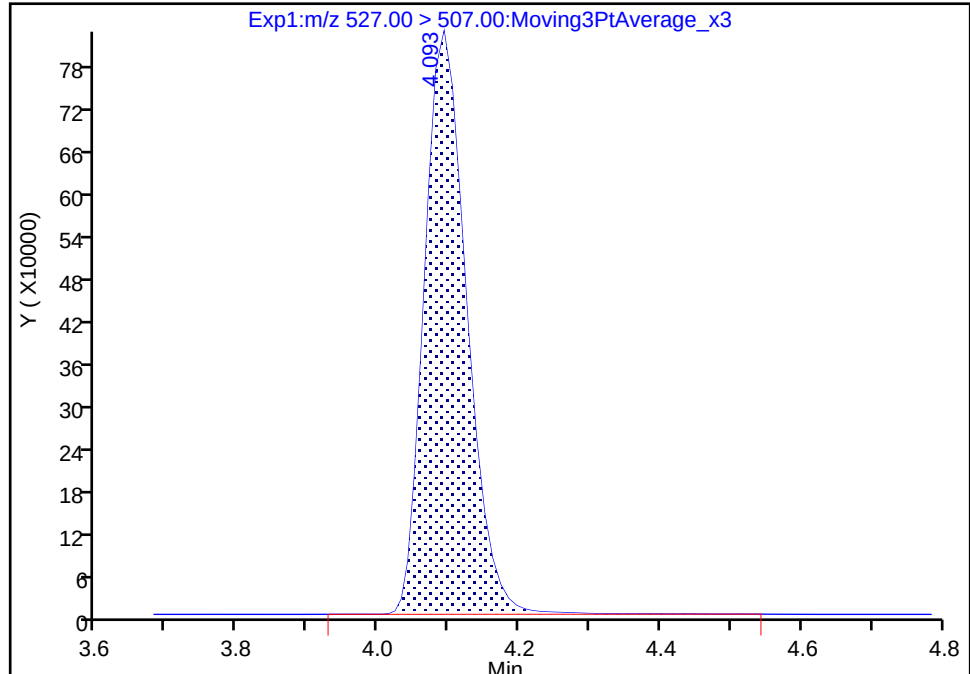
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

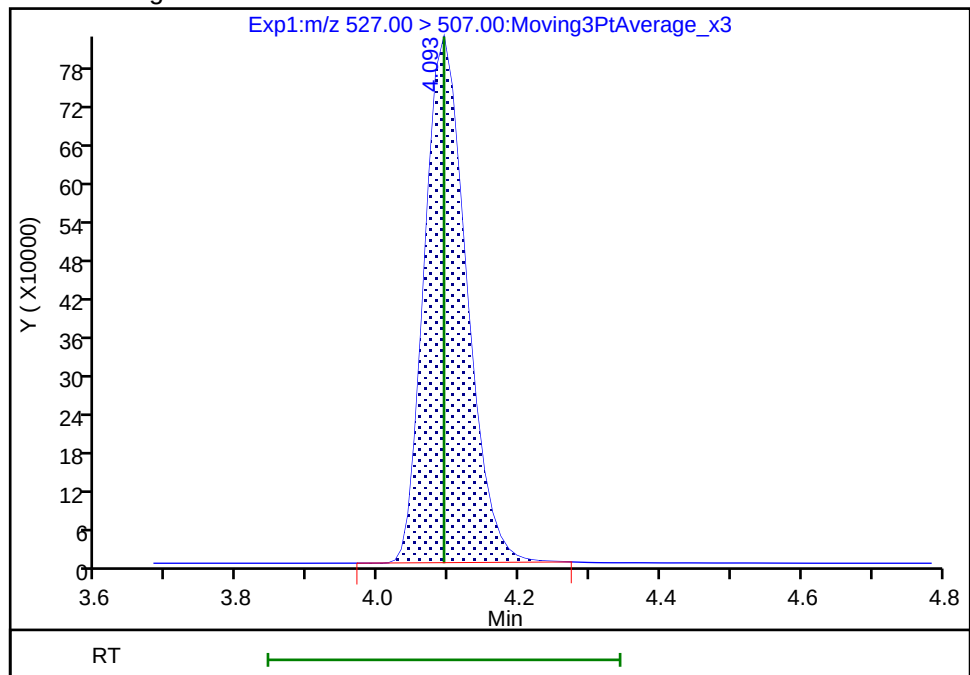
RT: 4.09
Area: 3456510
Amount: 9.221521
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 3431863
Amount: 9.166252
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:27:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

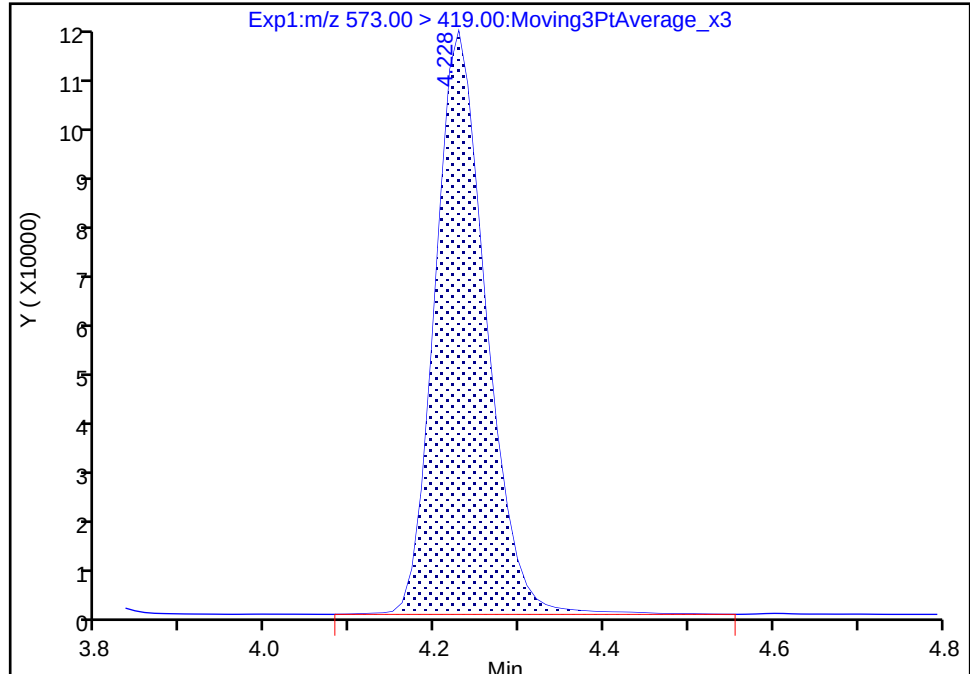
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

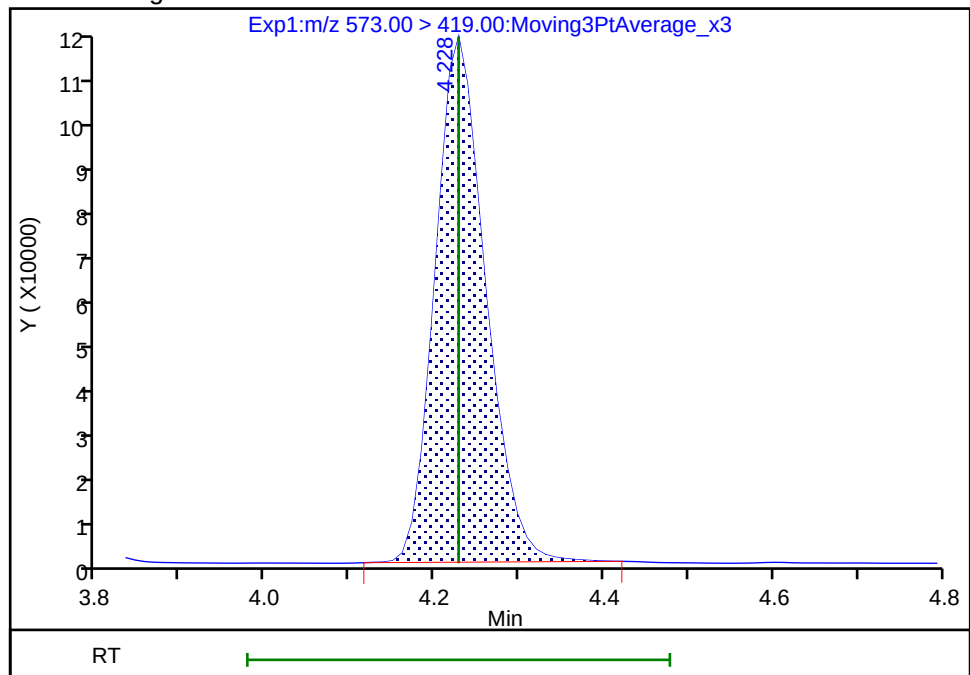
RT: 4.23
Area: 484787
Amount: 1.385223
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 478582
Amount: 1.370733
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:27:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

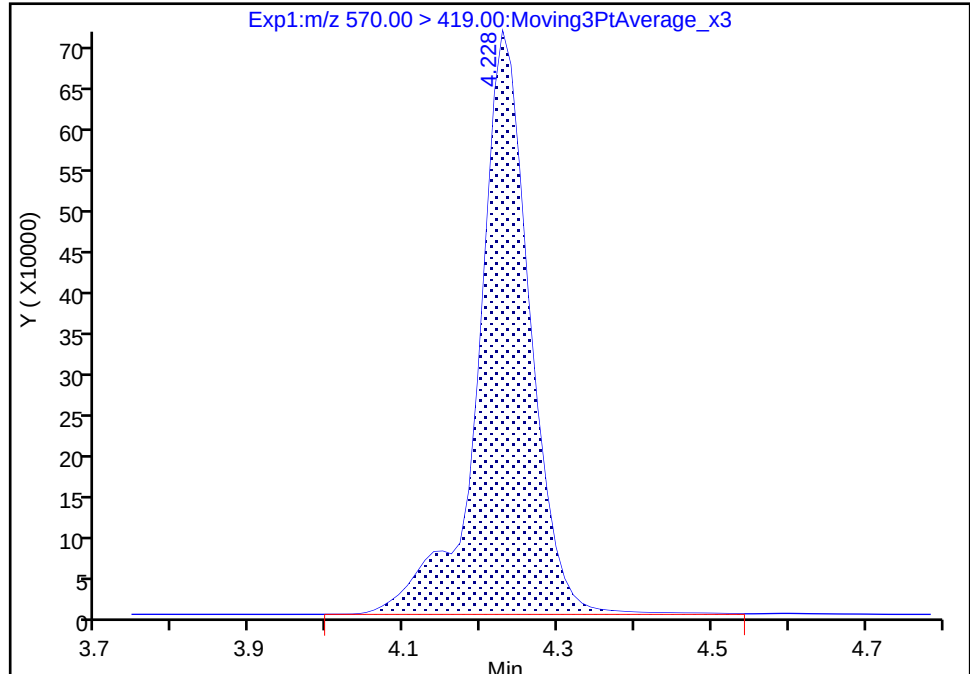
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

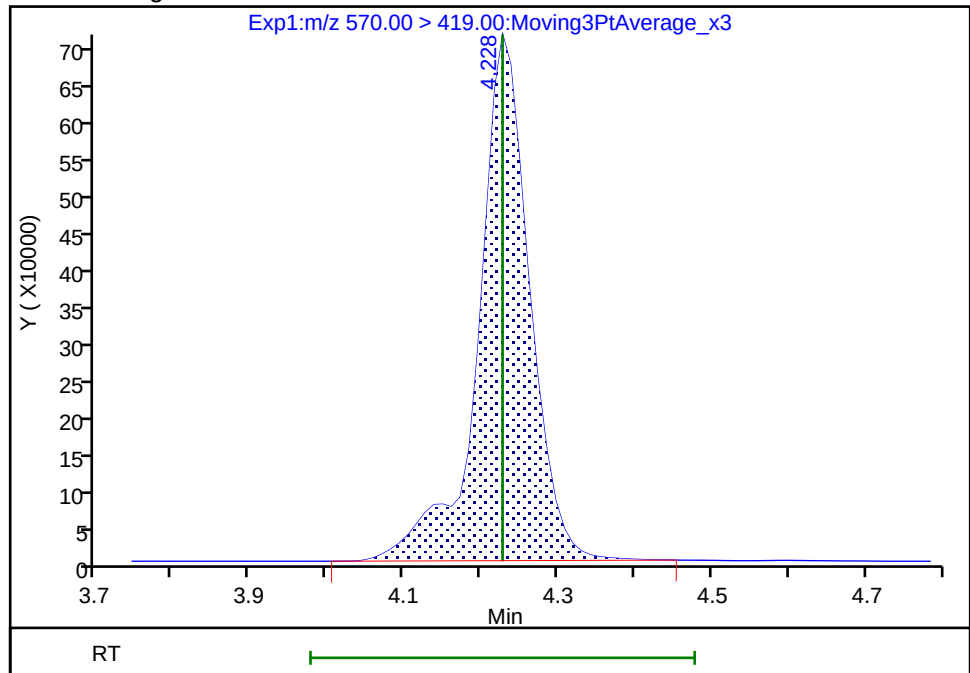
RT: 4.23
Area: 3324827
Amount: 9.466992
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 3297027
Amount: 9.998842
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:27:23
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

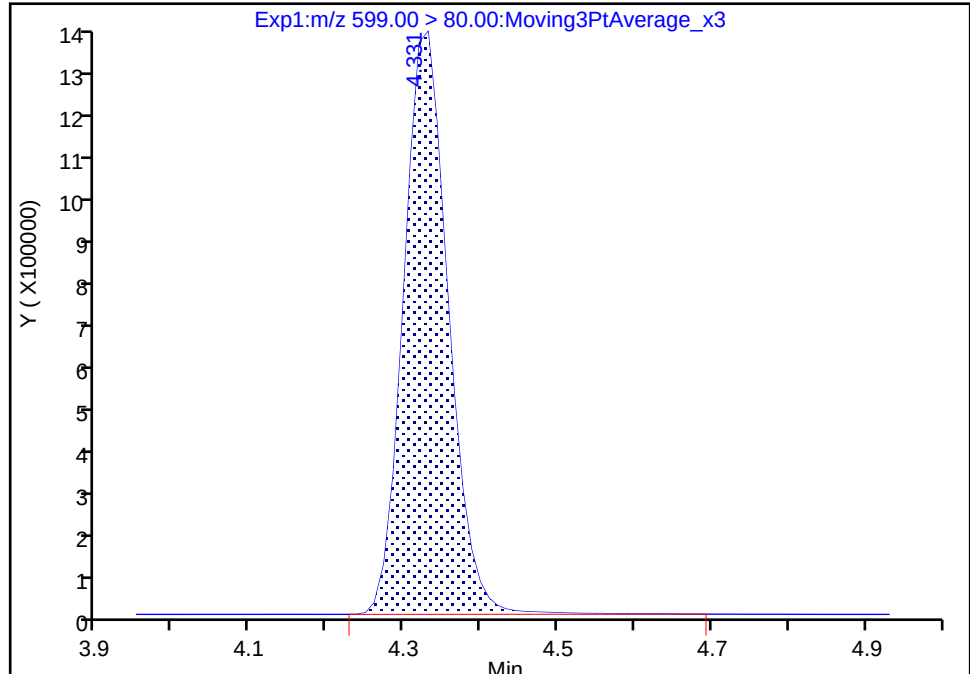
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

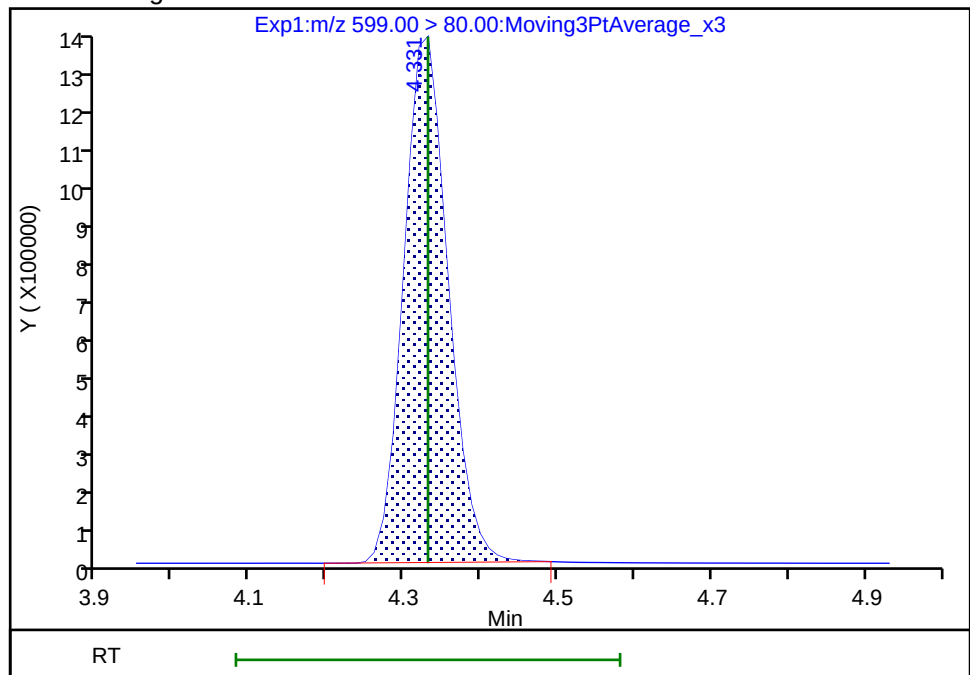
RT: 4.33
Area: 5598329
Amount: 9.275714
Amount Units: ng/ml

Processing Integration Results



RT: 4.33
Area: 5548668
Amount: 9.206529
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:27:30
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

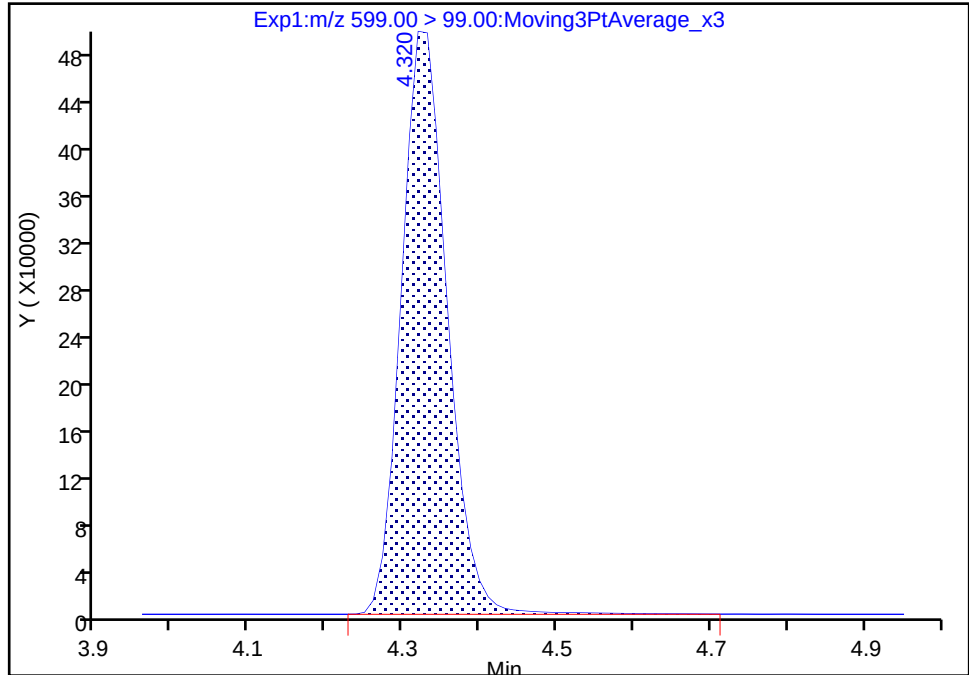
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

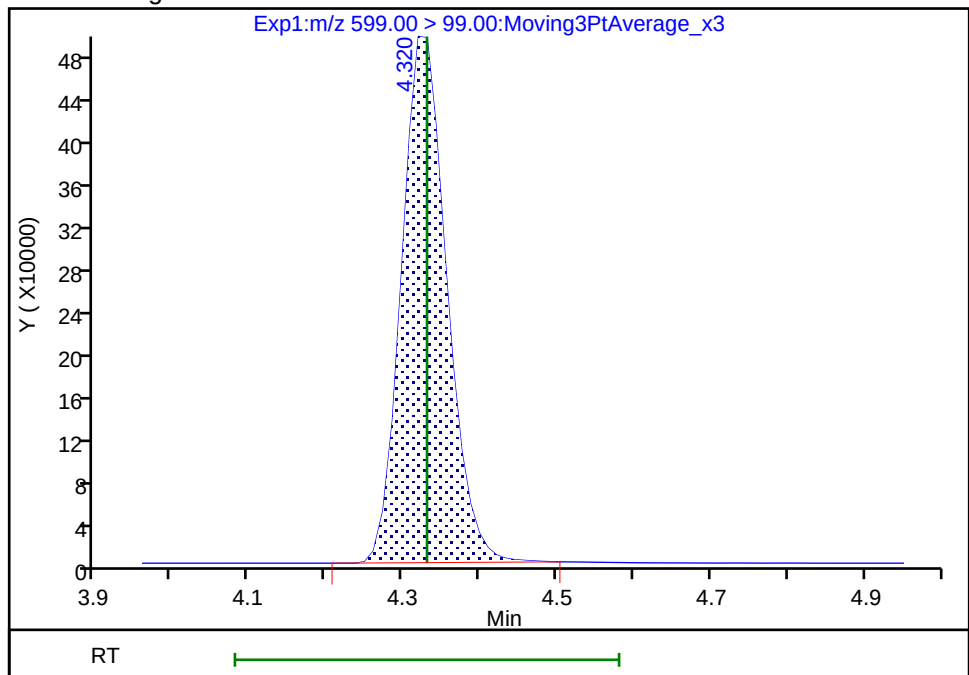
RT: 4.32
Area: 2054689
Amount: 9.275714
Amount Units: ng/ml

Processing Integration Results



RT: 4.32
Area: 2036543
Amount: 9.206529
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:27:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

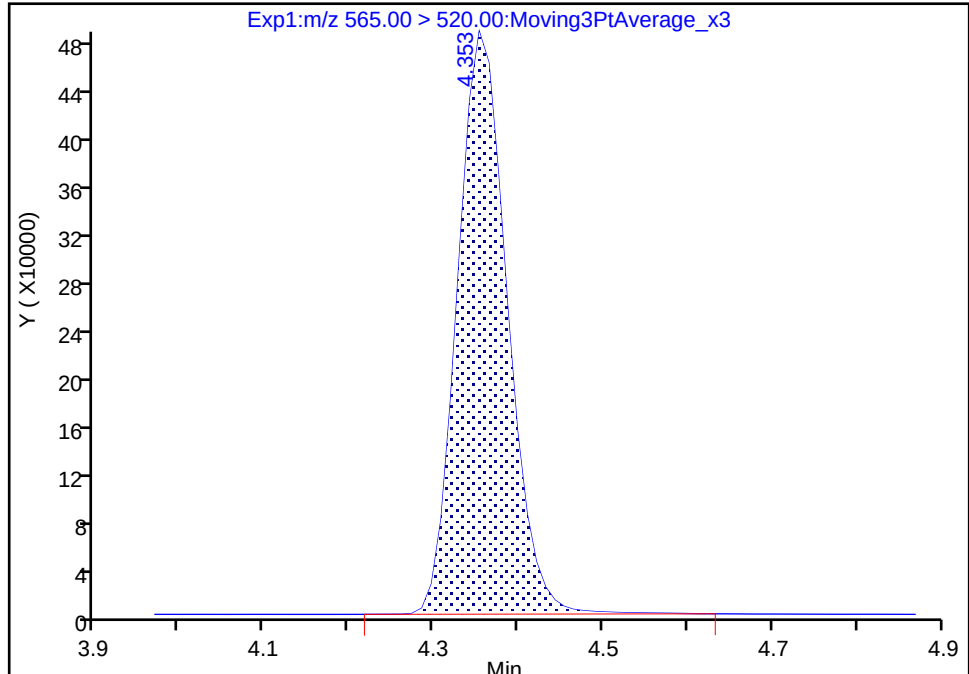
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

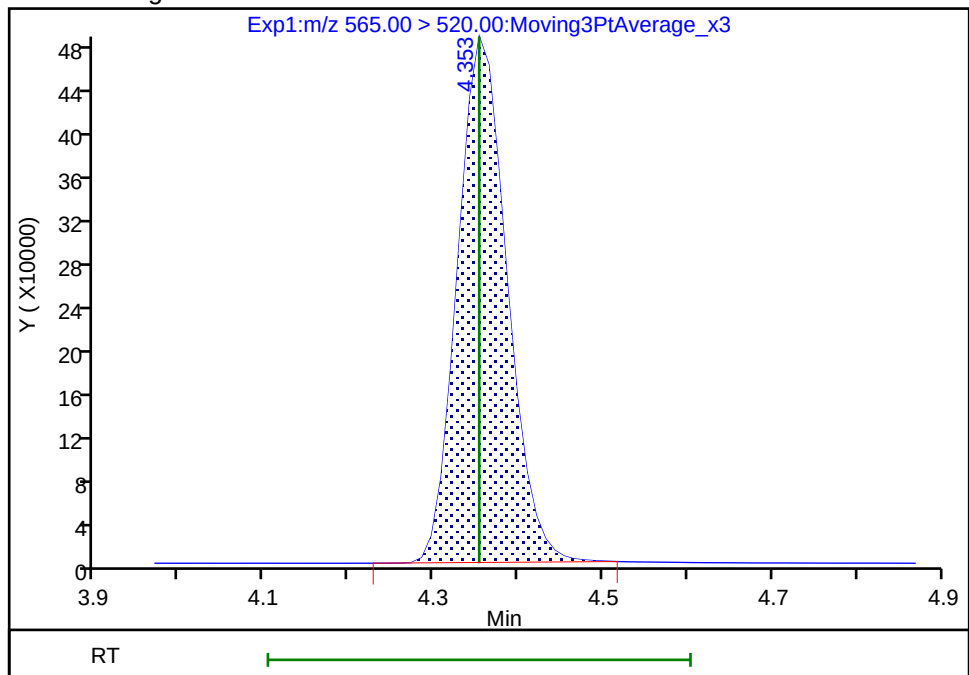
RT: 4.35
Area: 1981457
Amount: 1.260398
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 1967361
Amount: 1.252929
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:27:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

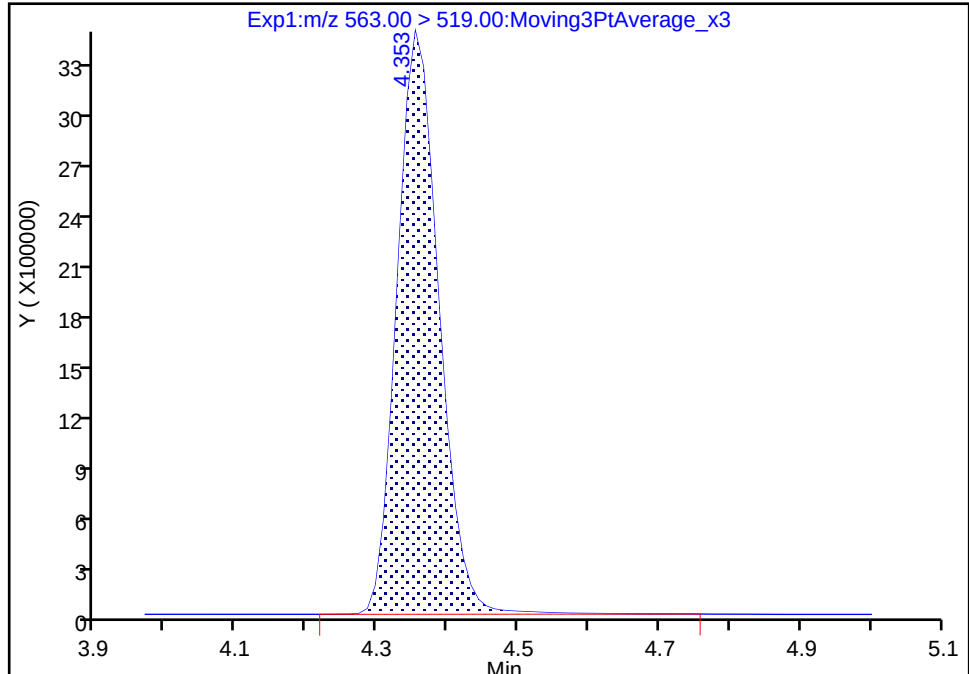
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

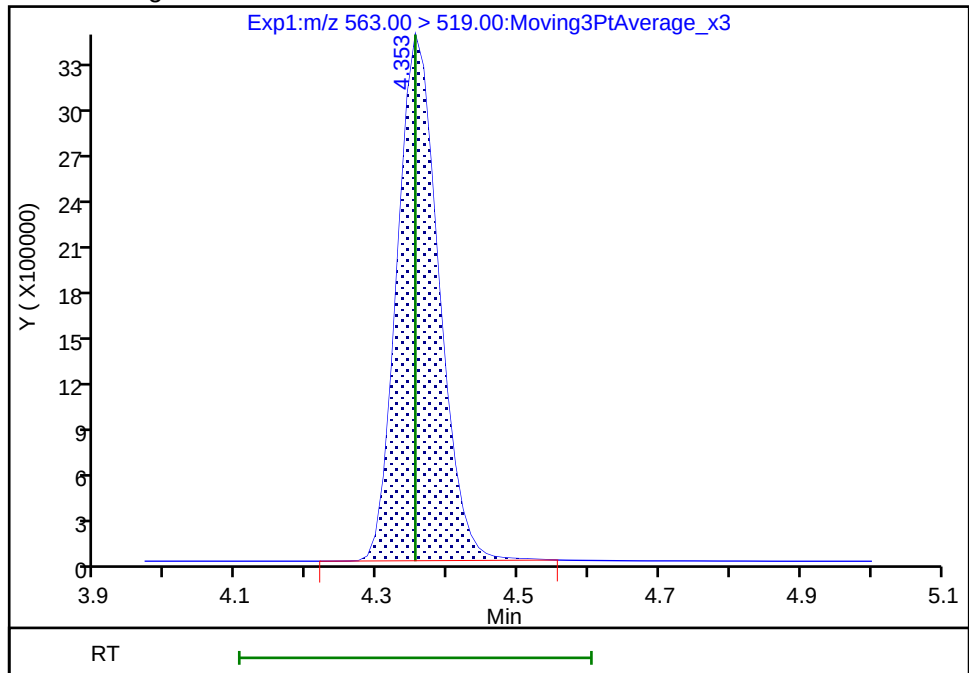
RT: 4.35
Area: 14261306
Amount: 8.982281
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 14168517
Amount: 8.932539
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:27:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

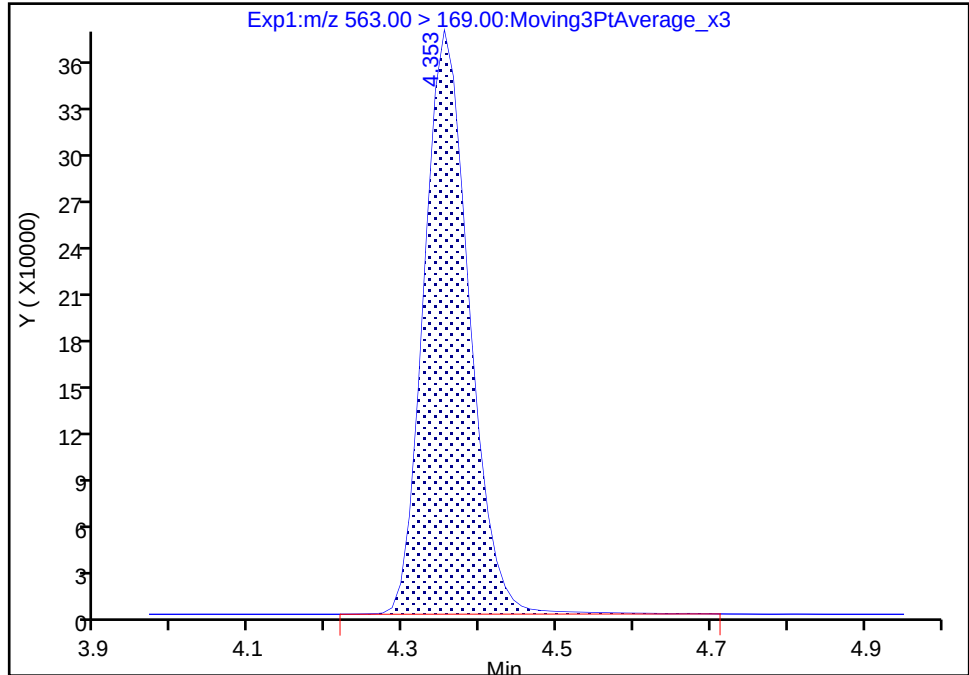
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

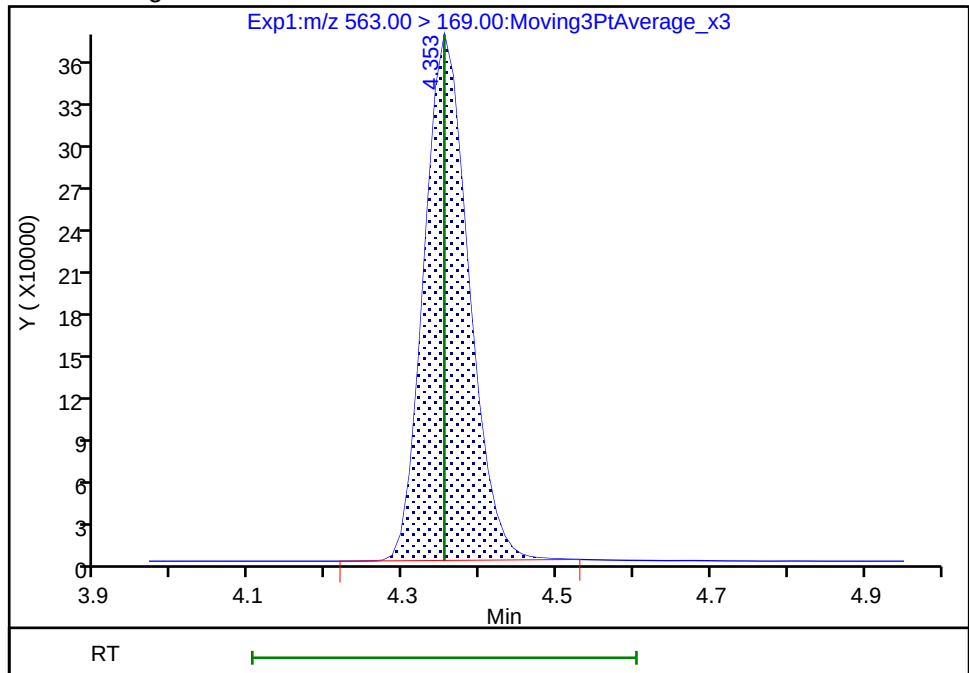
RT: 4.35
Area: 1516832
Amount: 8.982281
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 1502685
Amount: 8.932539
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:27:46

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

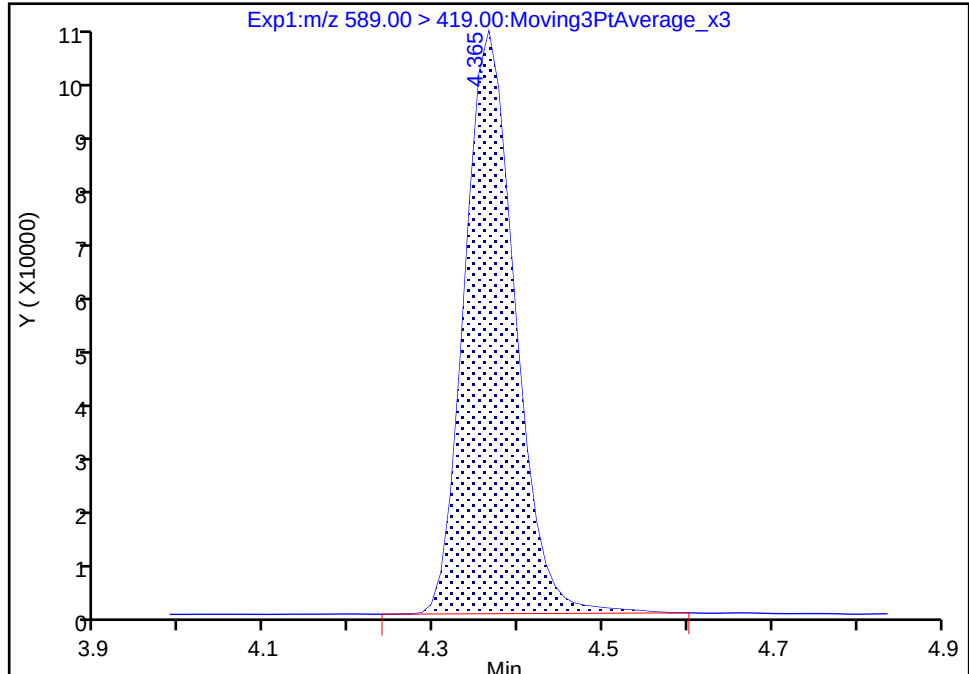
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 32 d5-NEtFOSAA, CAS: STL02117

Signal: 1

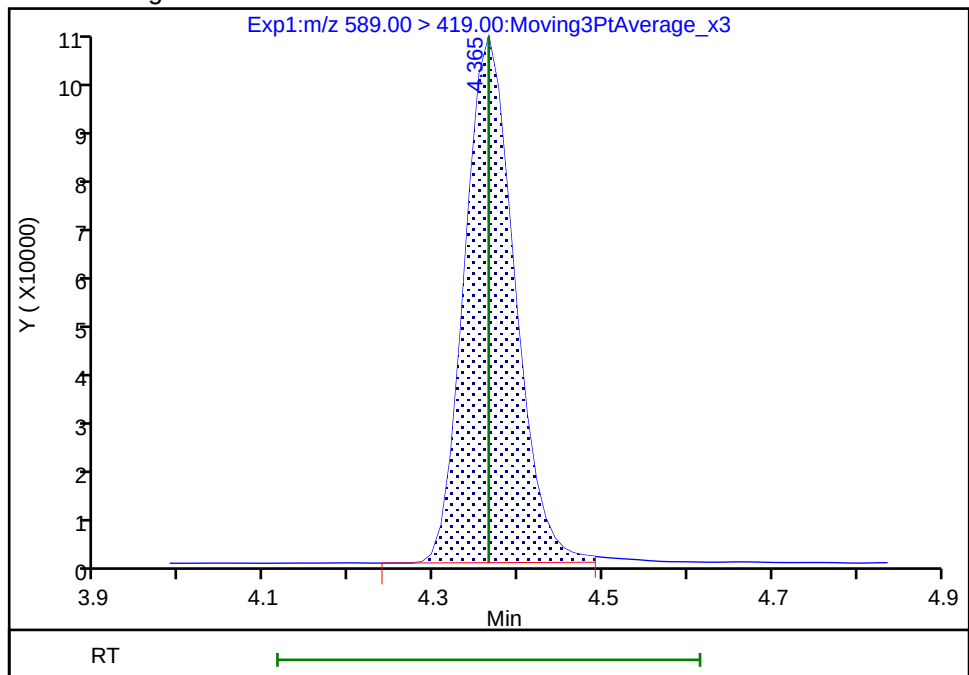
RT: 4.36
Area: 447944
Amount: 1.301468
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 444955
Amount: 1.294283
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:28:01
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

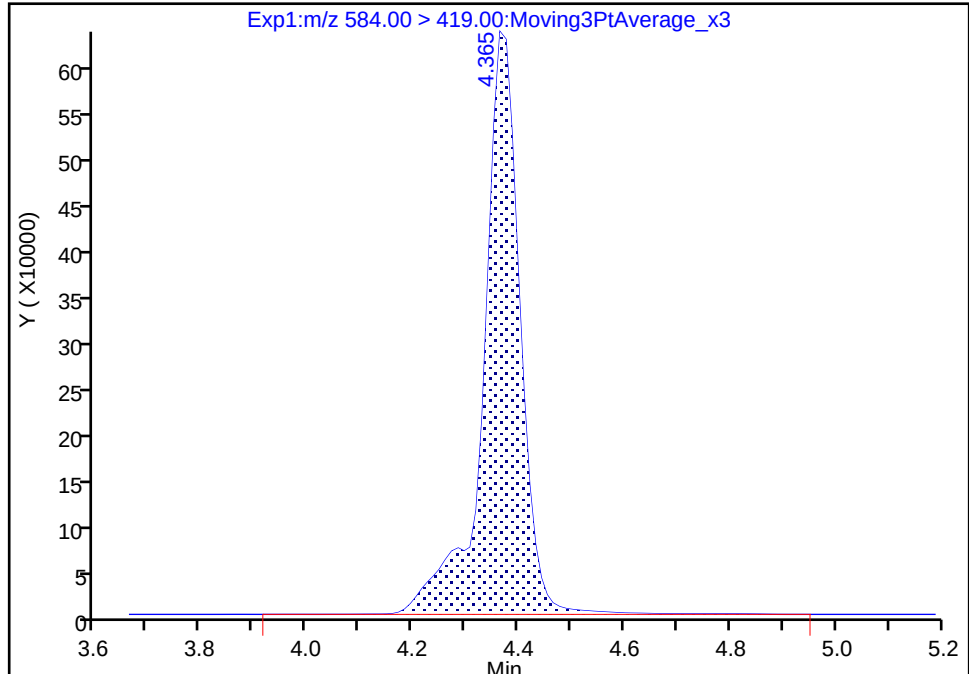
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

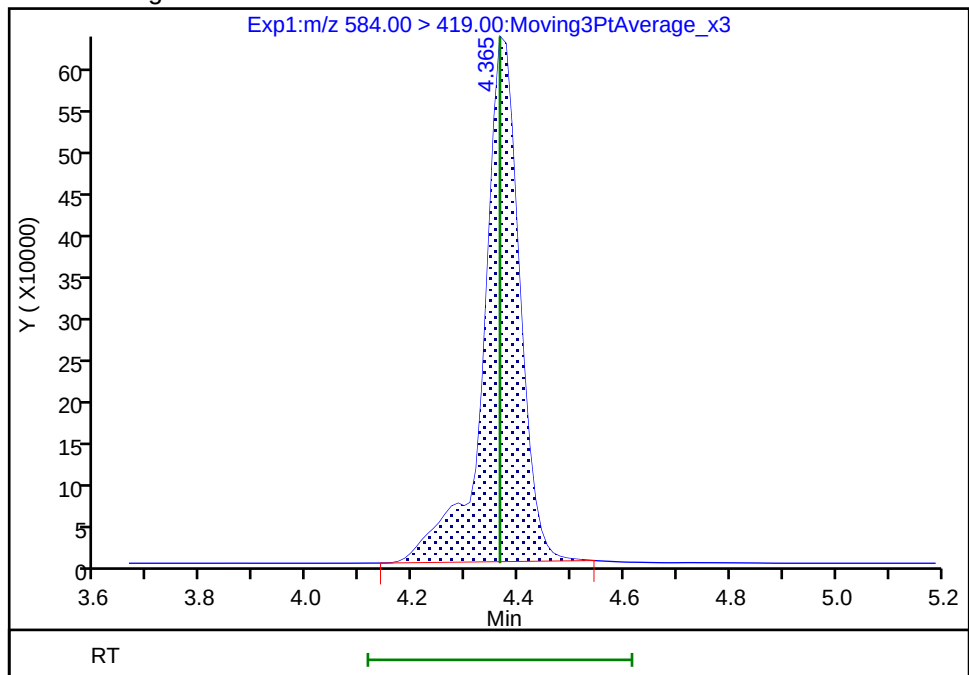
RT: 4.36
Area: 3053897
Amount: 9.498844
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 2992748
Amount: 9.391160
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:27:51
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

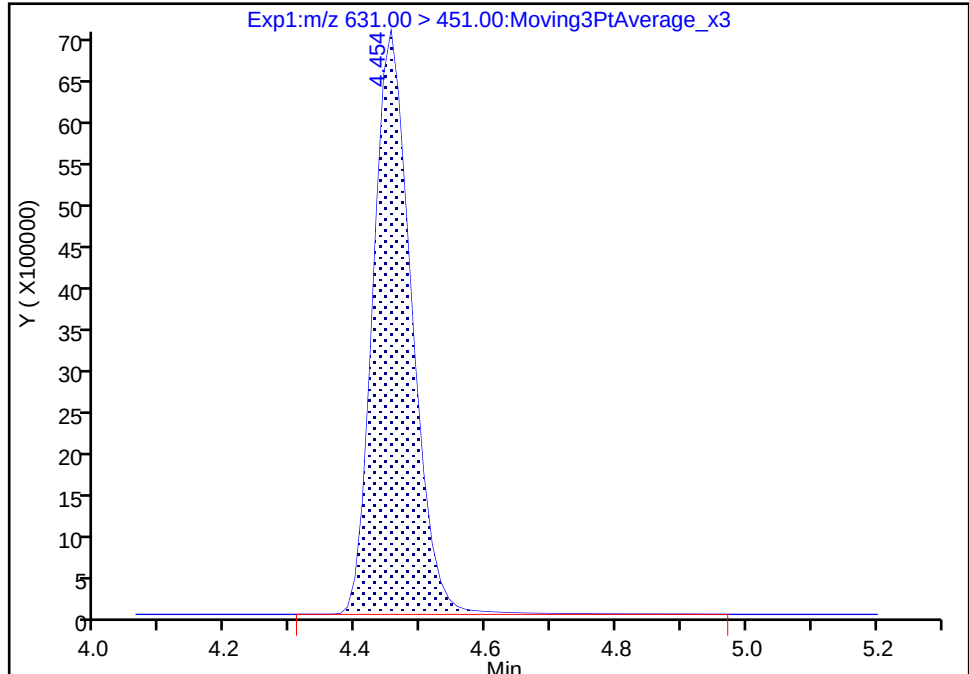
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

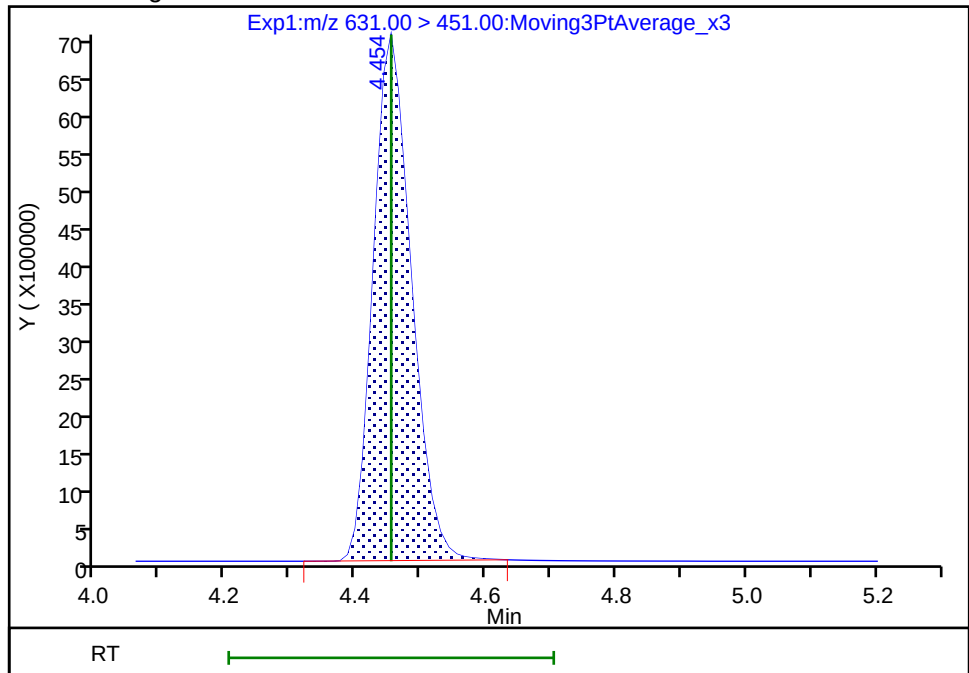
RT: 4.45
Area: 28876632
Amount: 8.059383
Amount Units: ng/ml

Processing Integration Results



RT: 4.45
Area: 28587798
Amount: 7.990166
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:28:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

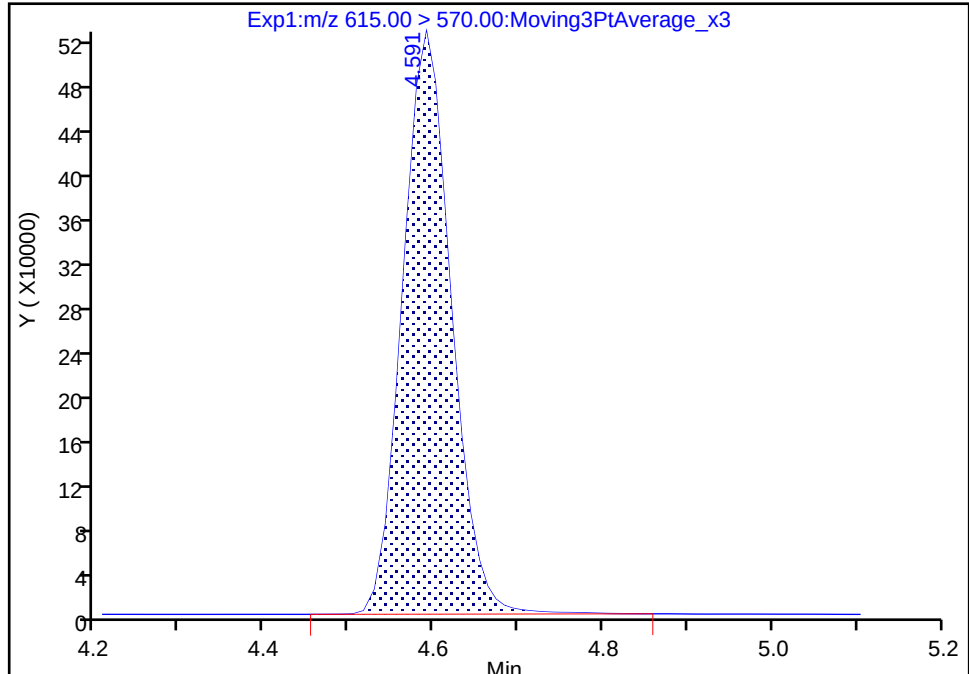
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 36 13C2 PFD_oA, CAS: STL00998

Signal: 1

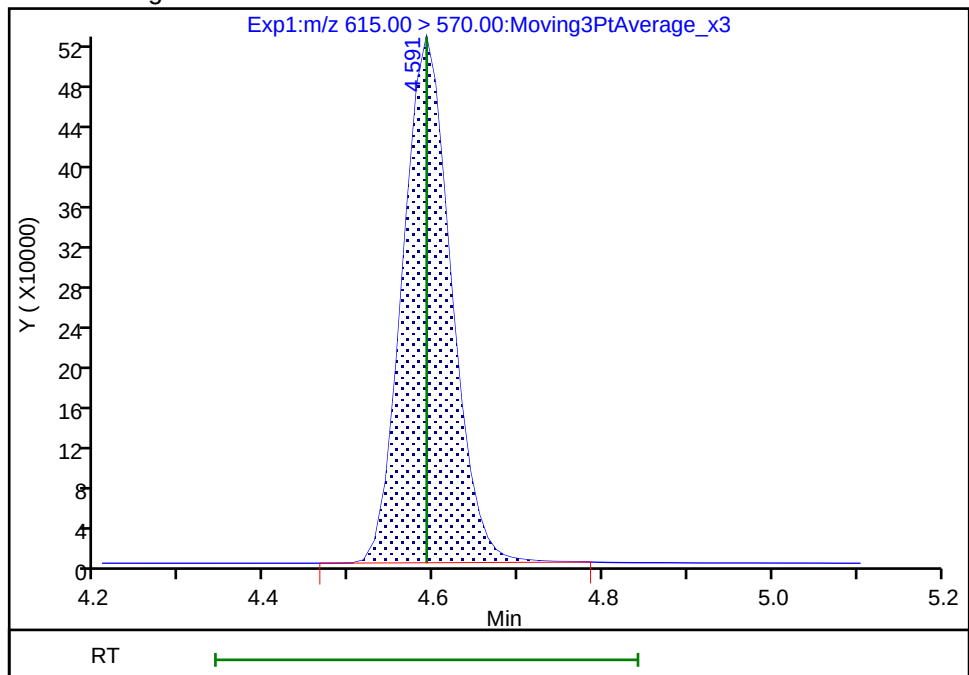
RT: 4.59
Area: 2112236
Amount: 1.319398
Amount Units: ng/ml

Processing Integration Results



RT: 4.59
Area: 2103698
Amount: 1.315000
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:28:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

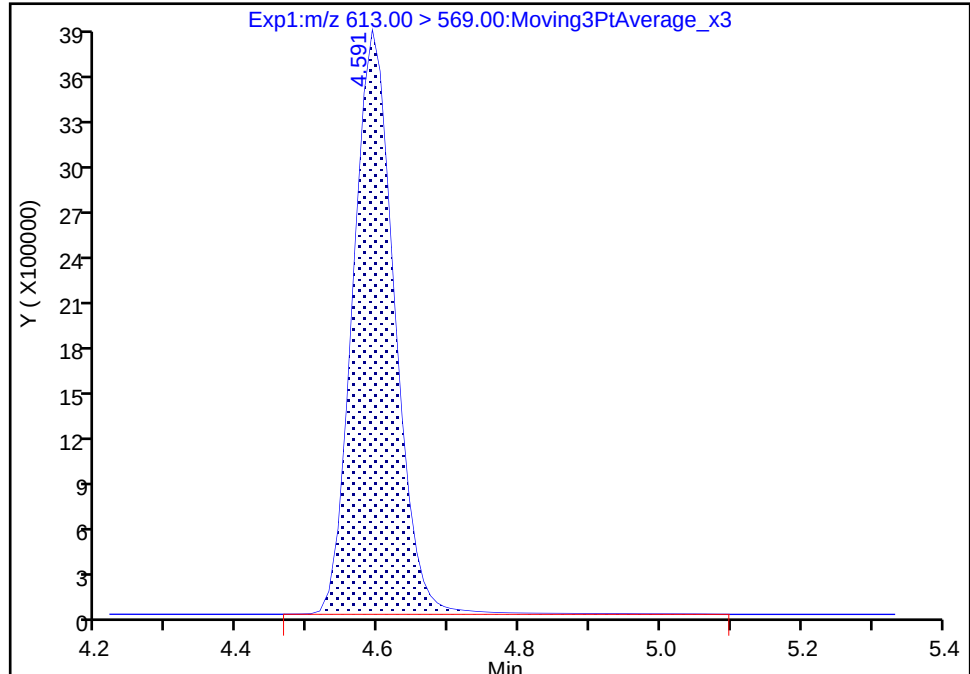
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

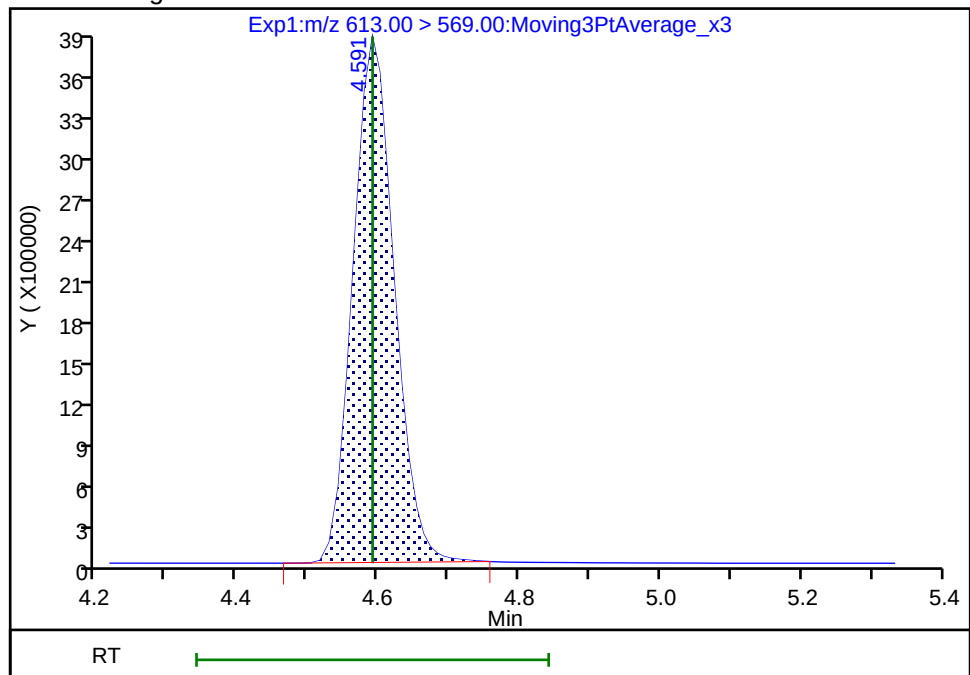
RT: 4.59
Area: 15795102
Amount: 8.813020
Amount Units: ng/ml

Processing Integration Results



RT: 4.59
Area: 15612916
Amount: 8.756399
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:28:11
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

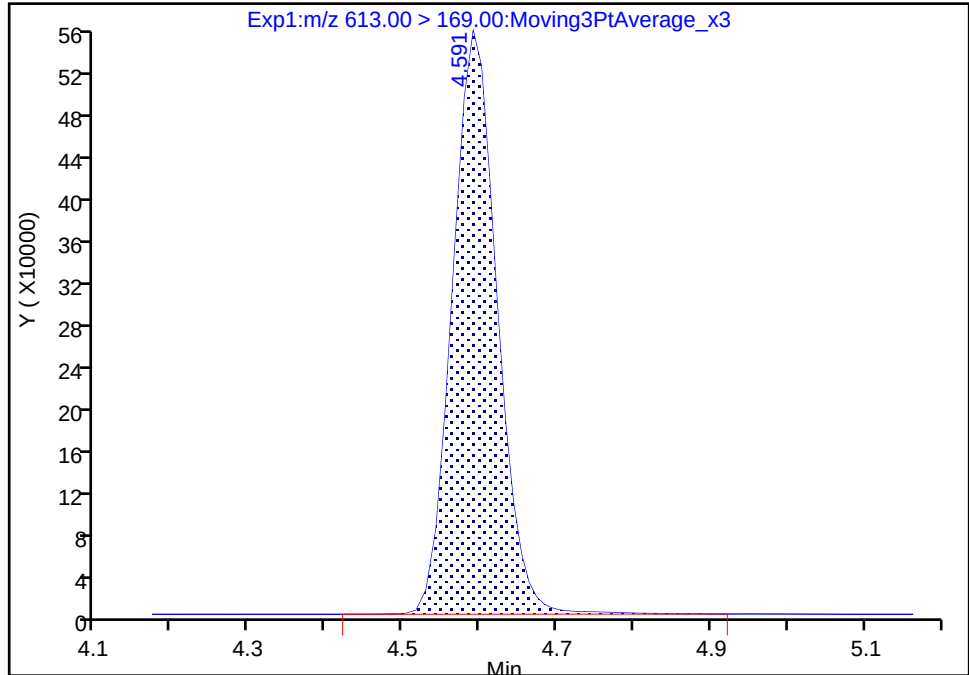
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

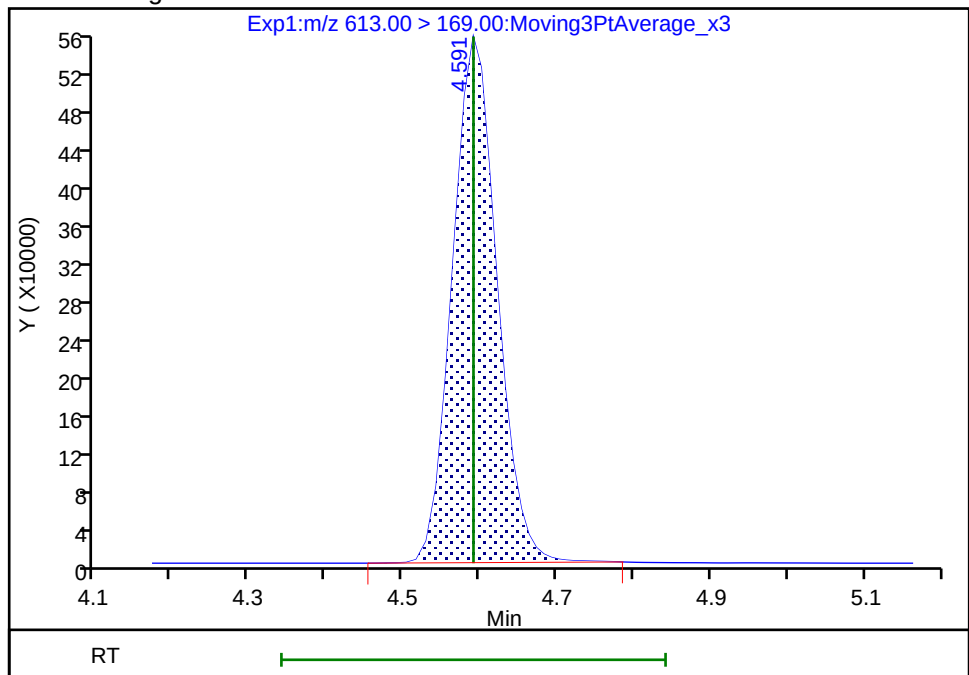
RT: 4.59
Area: 2239668
Amount: 8.813020
Amount Units: ng/ml

Processing Integration Results



RT: 4.59
Area: 2225311
Amount: 8.756399
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:28:14

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

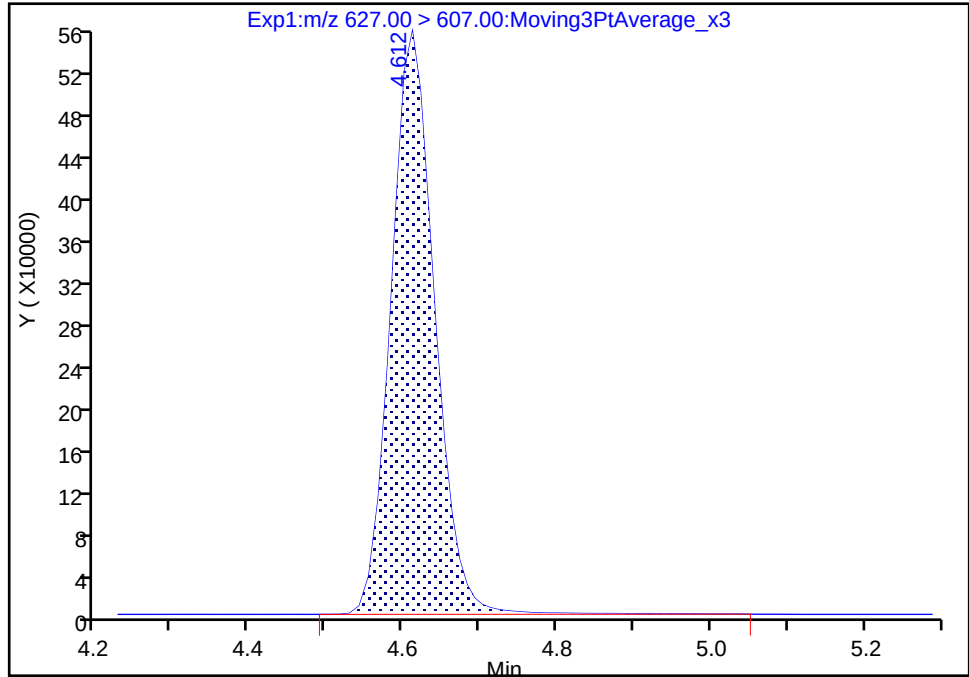
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

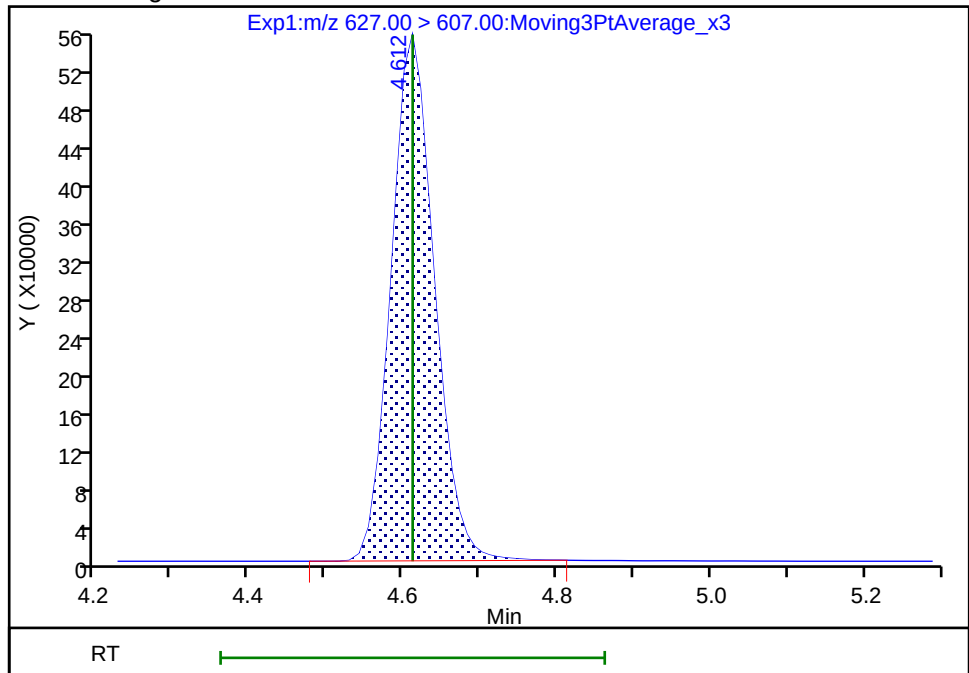
RT: 4.61
Area: 2155044
Amount: 9.567795
Amount Units: ng/ml

Processing Integration Results



RT: 4.61
Area: 2140218
Amount: 9.512798
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:28:24
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

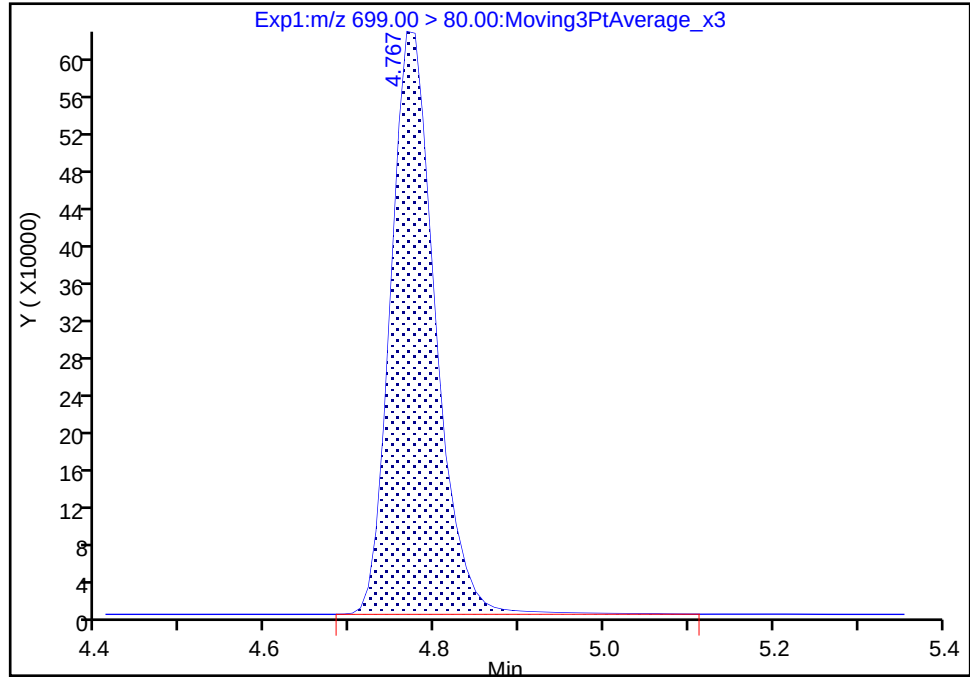
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

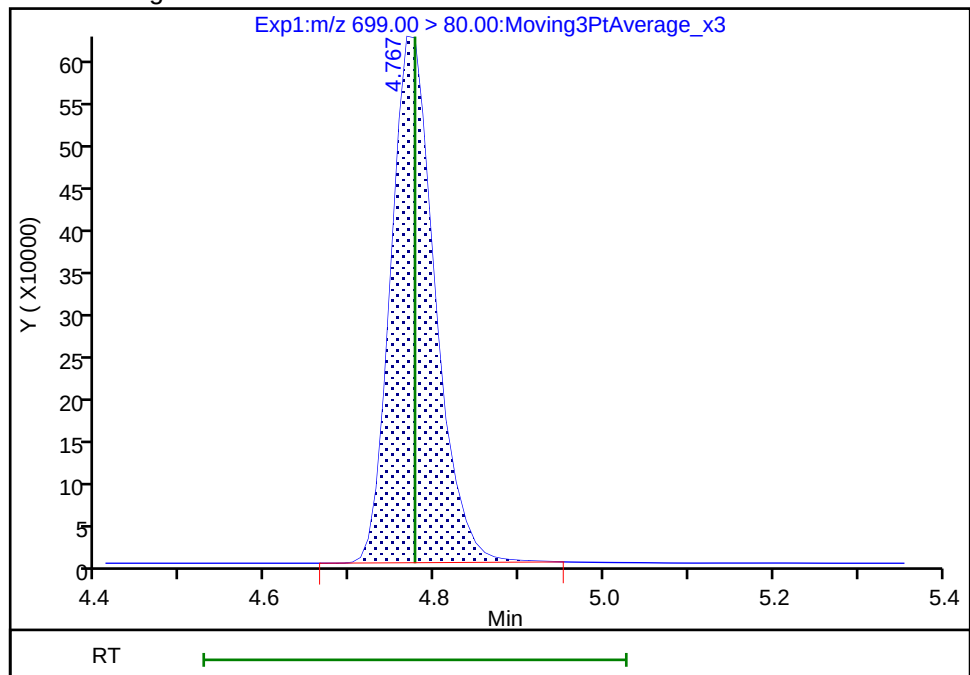
RT: 4.77
Area: 2276652
Amount: 8.916859
Amount Units: ng/ml

Processing Integration Results



RT: 4.77
Area: 2258006
Amount: 8.854963
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:28:28
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

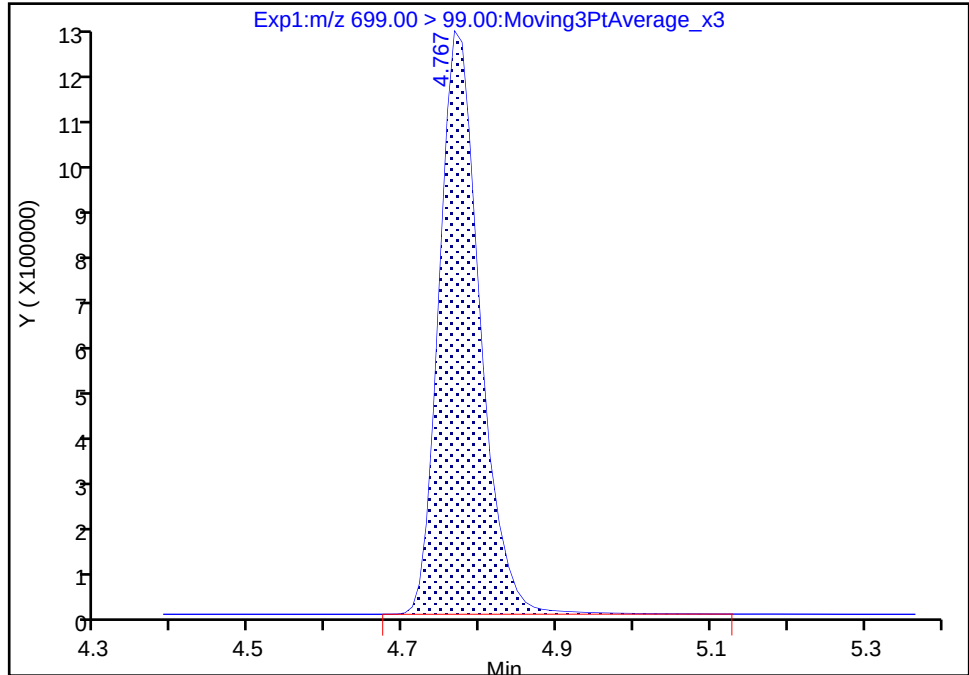
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 2

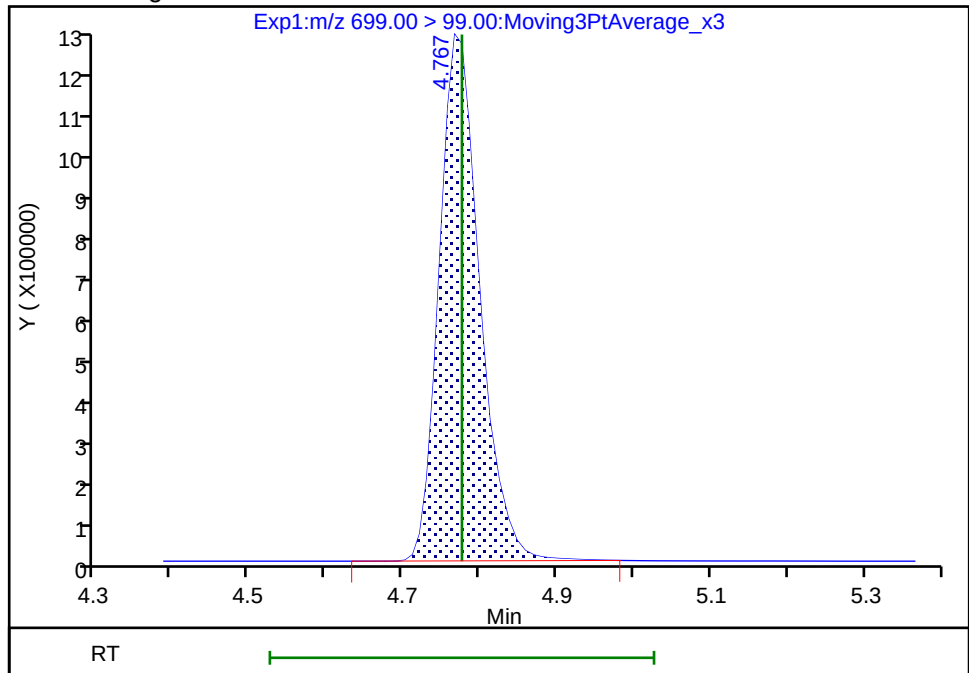
RT: 4.77
Area: 4551960
Amount: 8.916859
Amount Units: ng/ml

Processing Integration Results



RT: 4.77
Area: 4532176
Amount: 8.854963
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:28:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

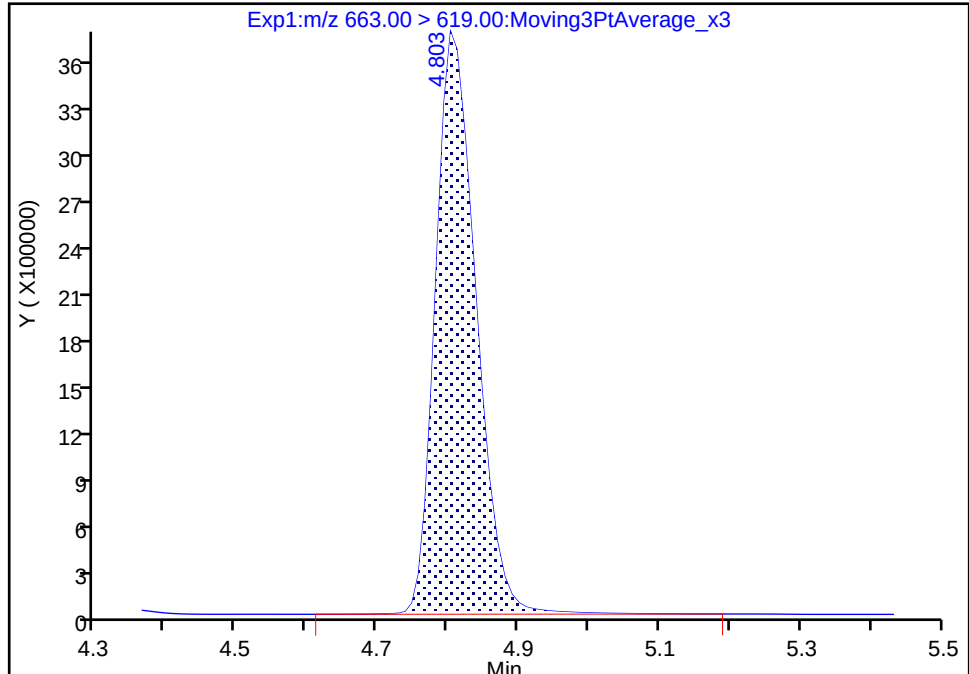
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

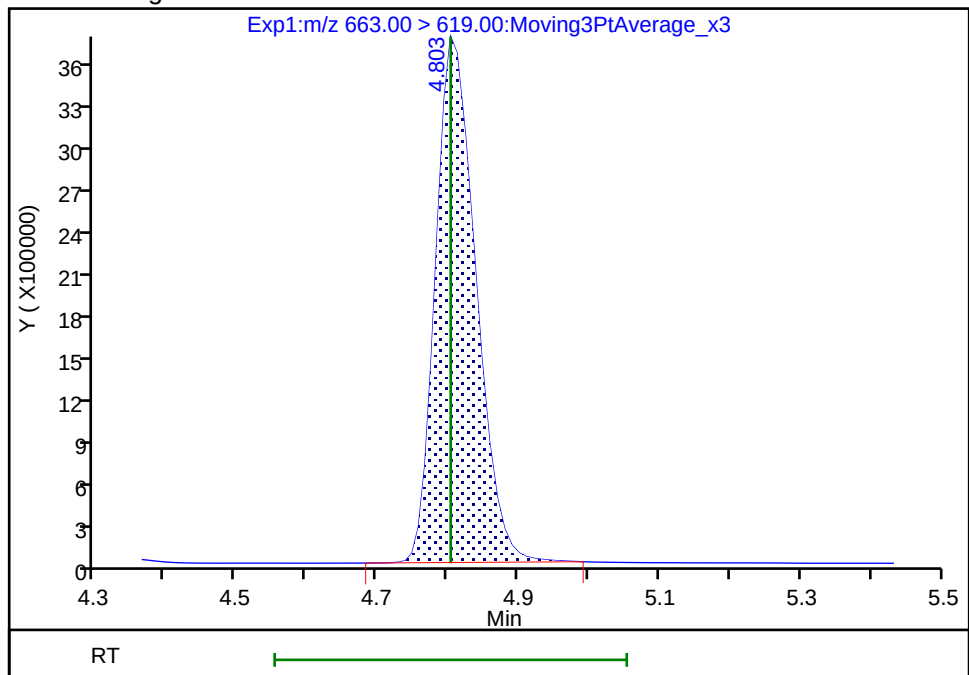
RT: 4.80
Area: 14874509
Amount: 8.712617
Amount Units: ng/ml

Processing Integration Results



RT: 4.80
Area: 14753486
Amount: 8.651951
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:28:39
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

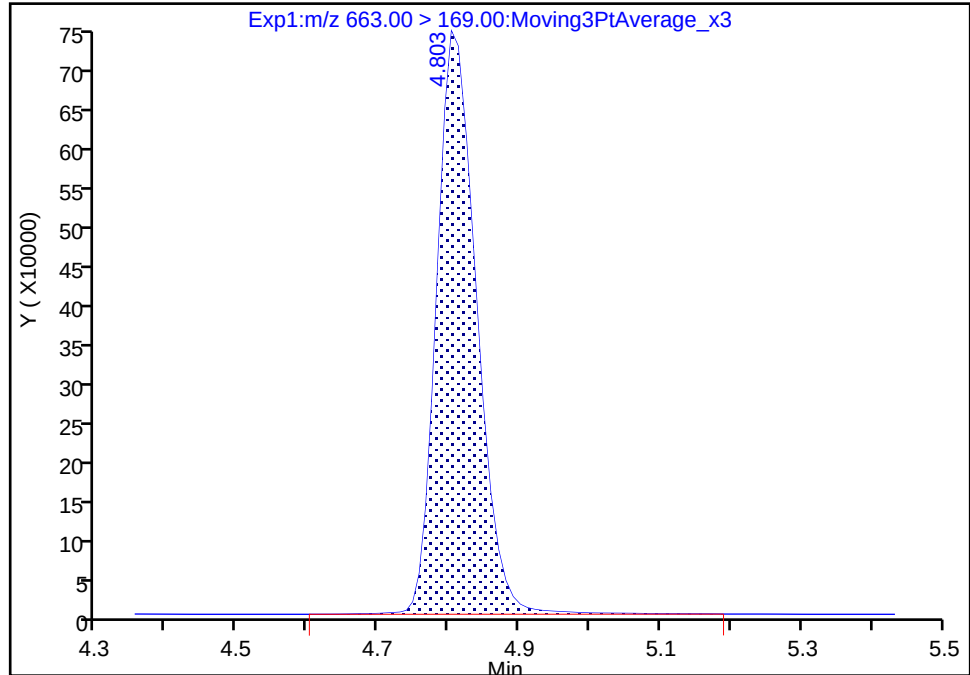
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

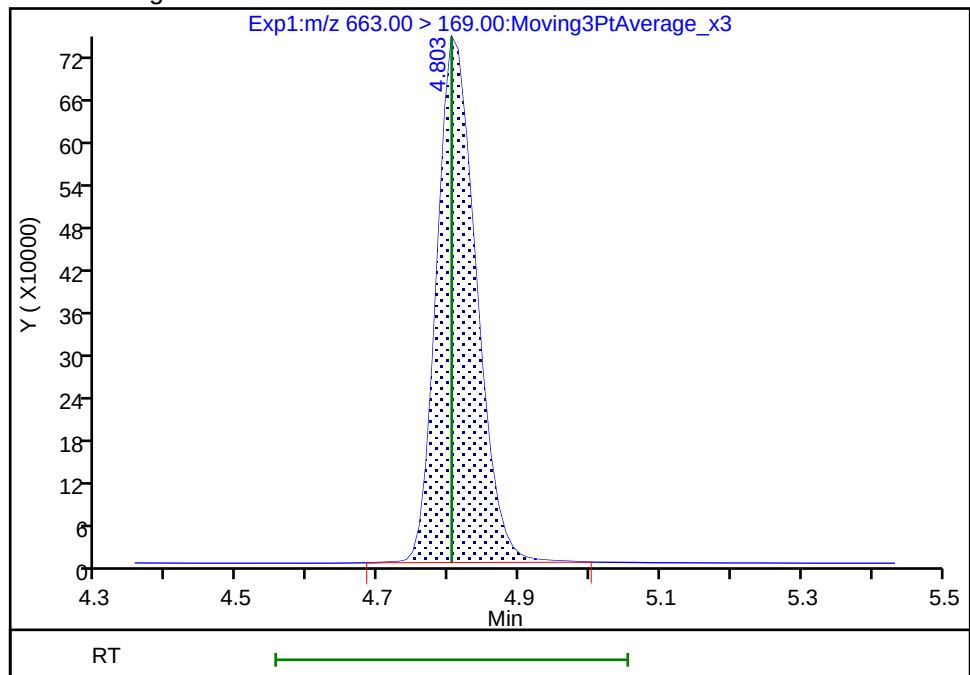
RT: 4.80
Area: 2899959
Amount: 8.712617
Amount Units: ng/ml

Processing Integration Results



RT: 4.80
Area: 2874269
Amount: 8.651951
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:28:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

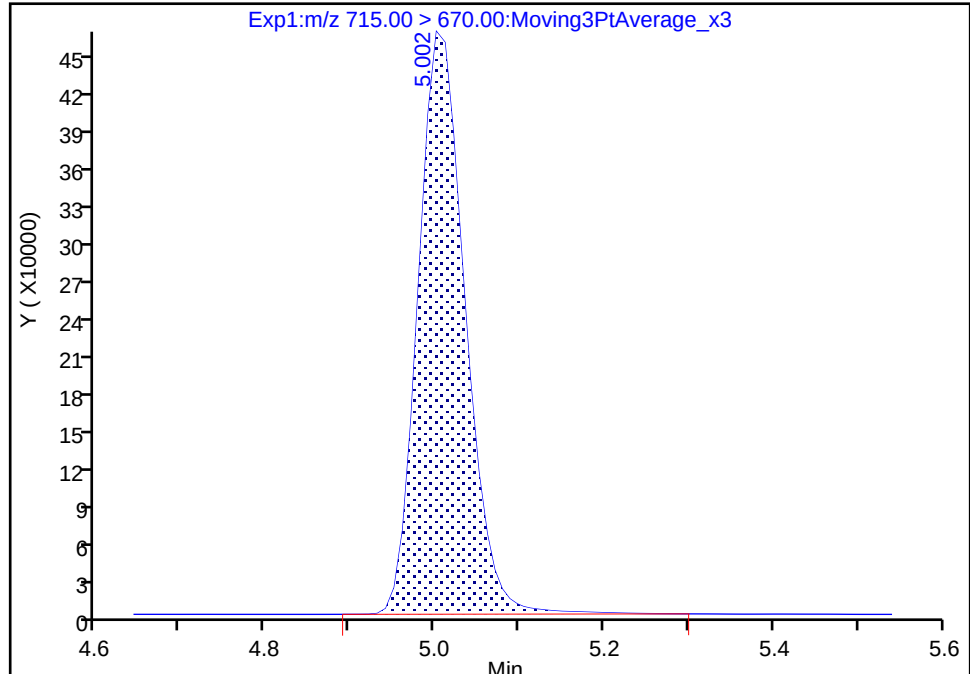
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

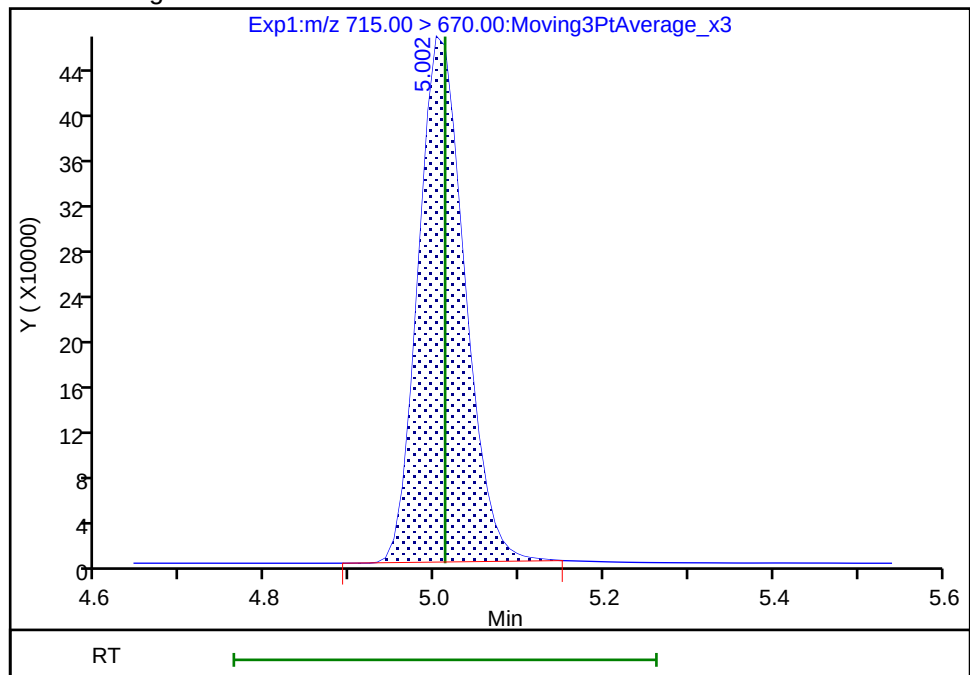
RT: 5.00
Area: 1805771
Amount: 1.302148
Amount Units: ng/ml

Processing Integration Results



RT: 5.00
Area: 1782548
Amount: 1.288279
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:28:54

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

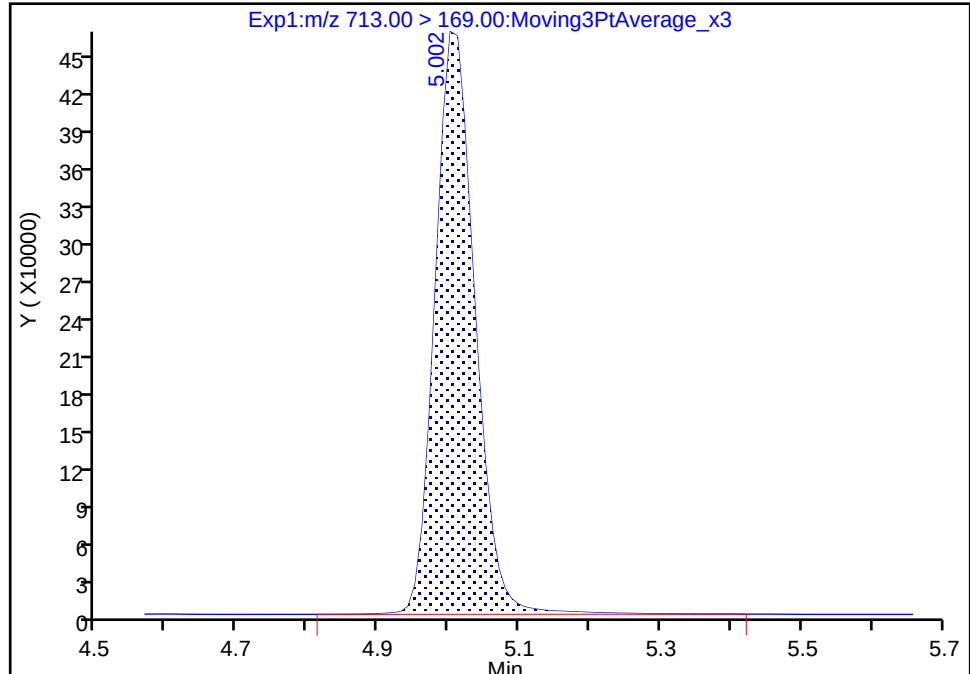
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

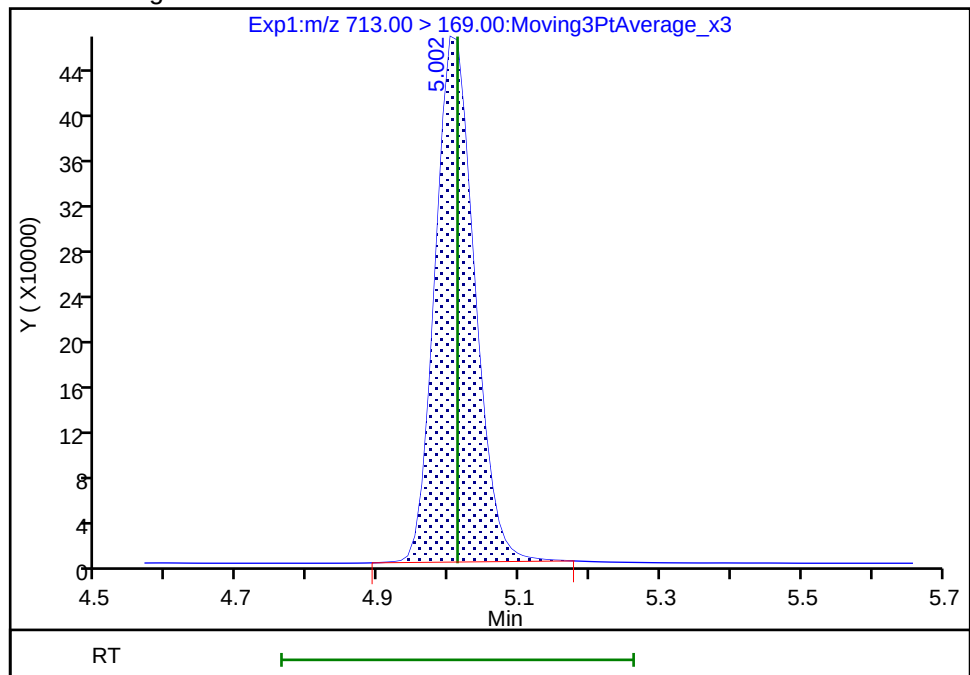
RT: 5.00
Area: 1841113
Amount: 9.306273
Amount Units: ng/ml

Processing Integration Results



RT: 5.00
Area: 1813608
Amount: 9.289708
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:28:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

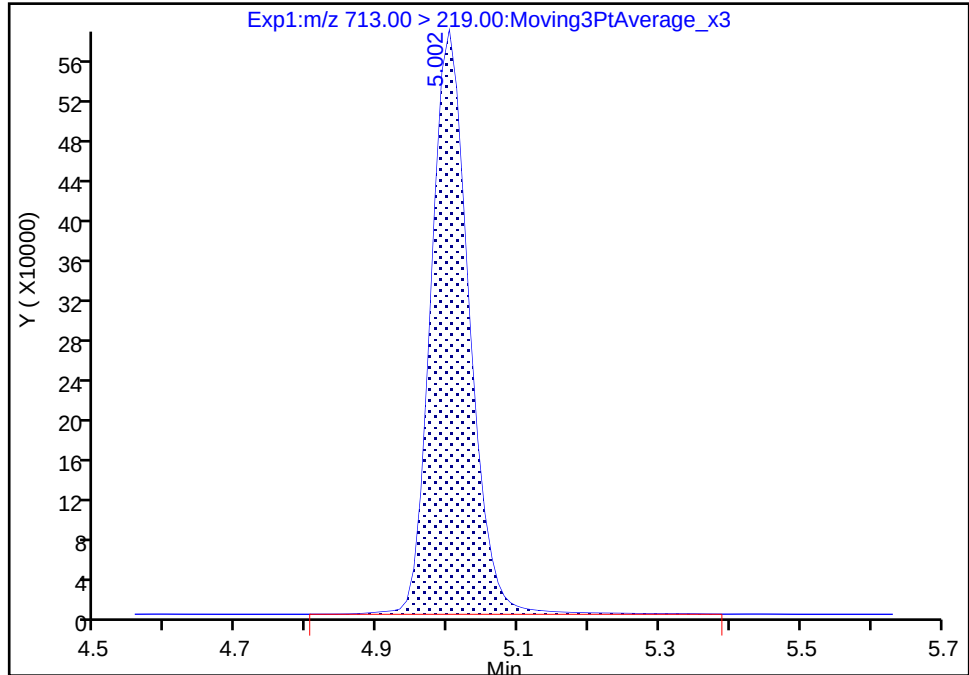
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

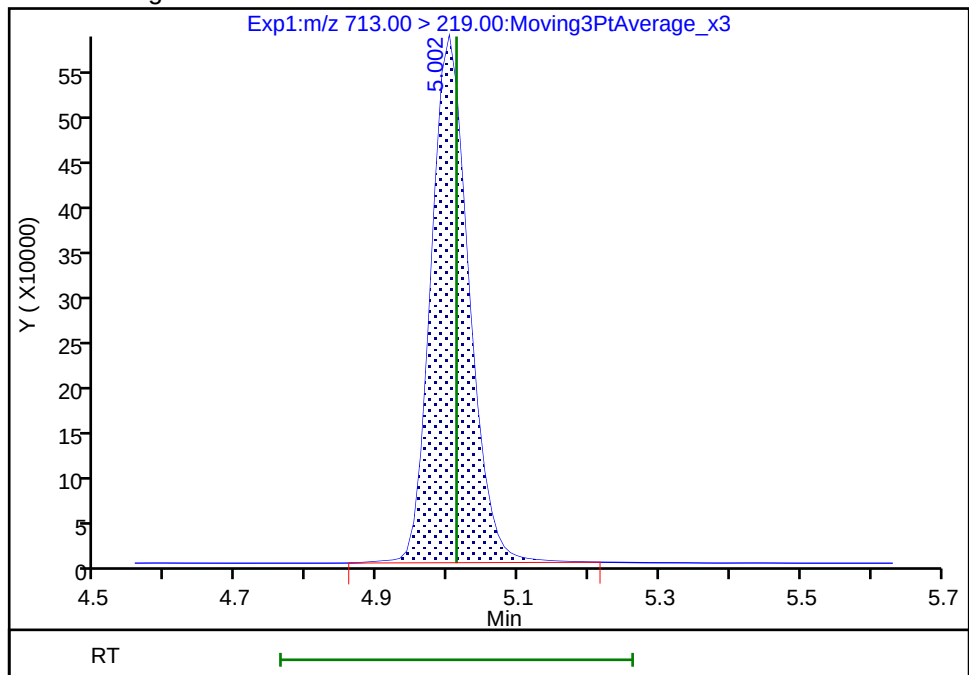
RT: 5.00
Area: 2174723
Amount: 9.306273
Amount Units: ng/ml

Processing Integration Results



RT: 5.00
Area: 2156307
Amount: 9.289708
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:28:50

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

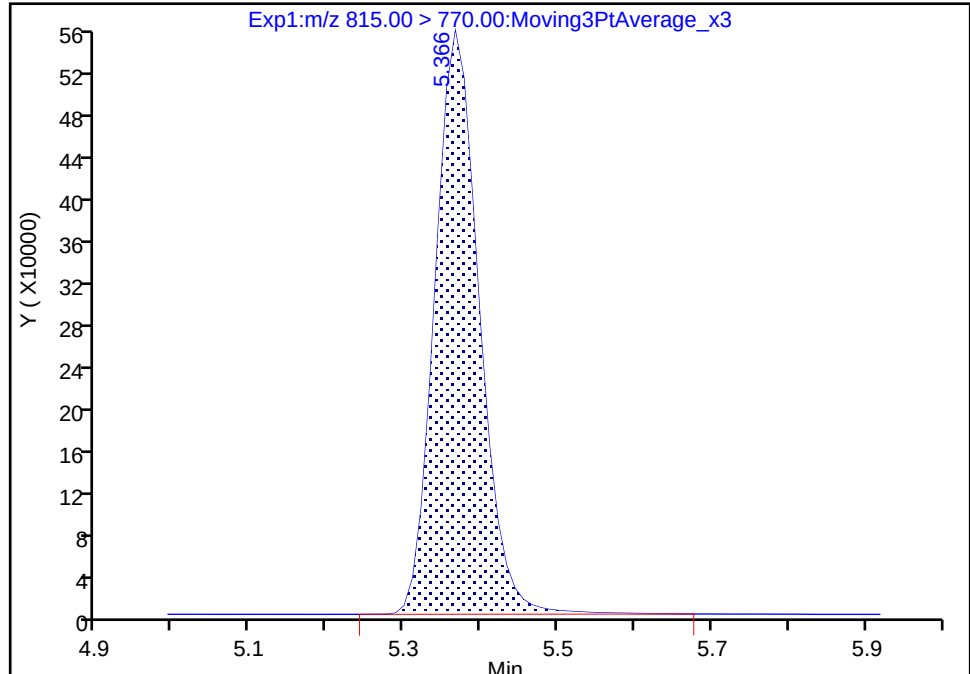
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

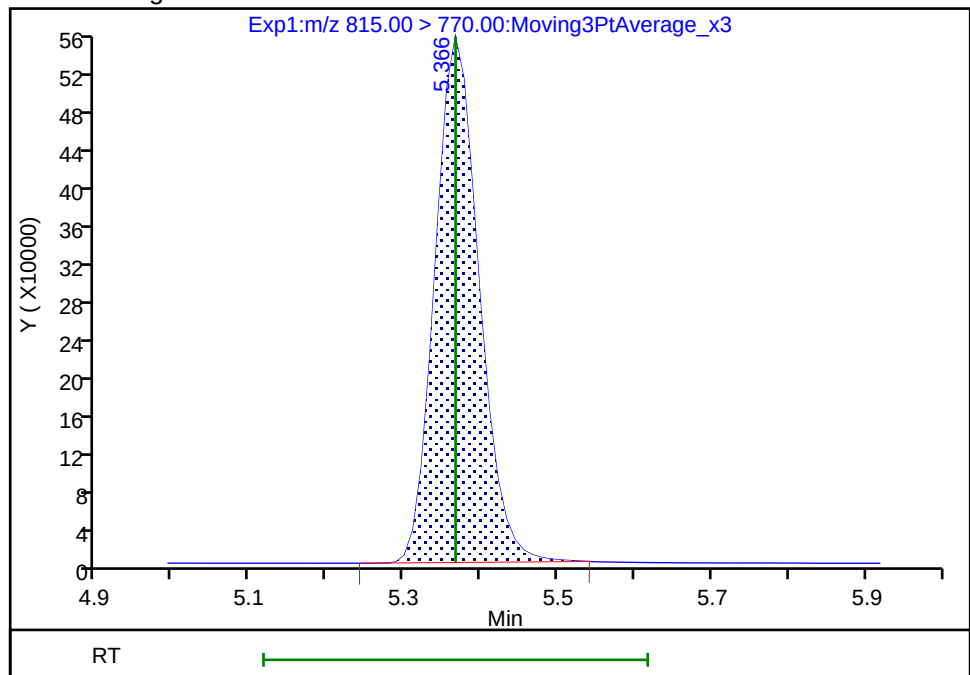
RT: 5.37
Area: 2211108
Amount: 1.290675
Amount Units: ng/ml

Processing Integration Results



RT: 5.37
Area: 2191999
Amount: 1.281426
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:29:07

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

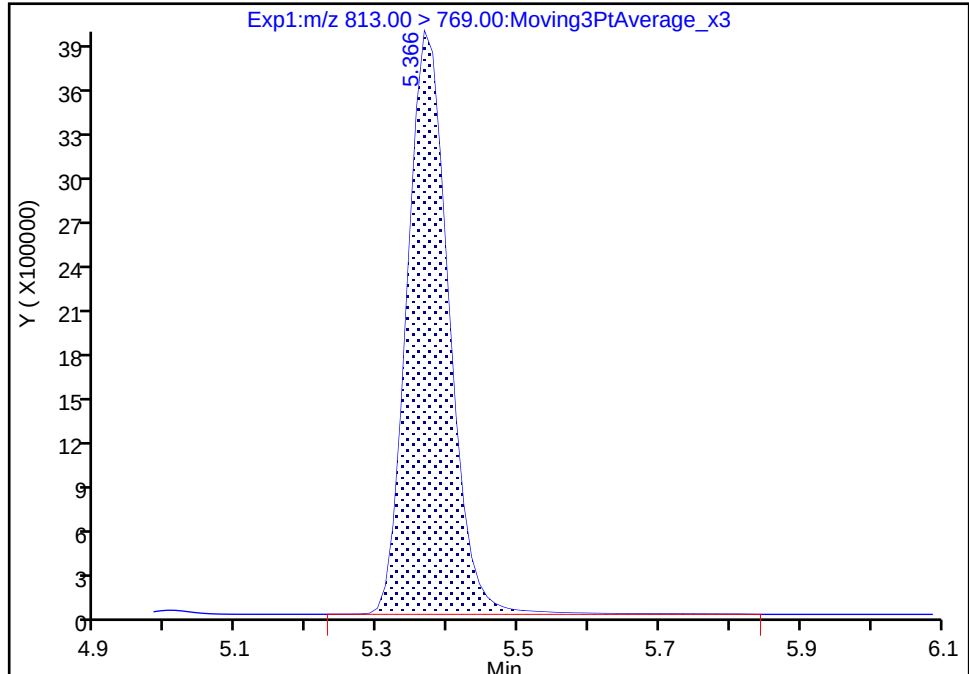
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

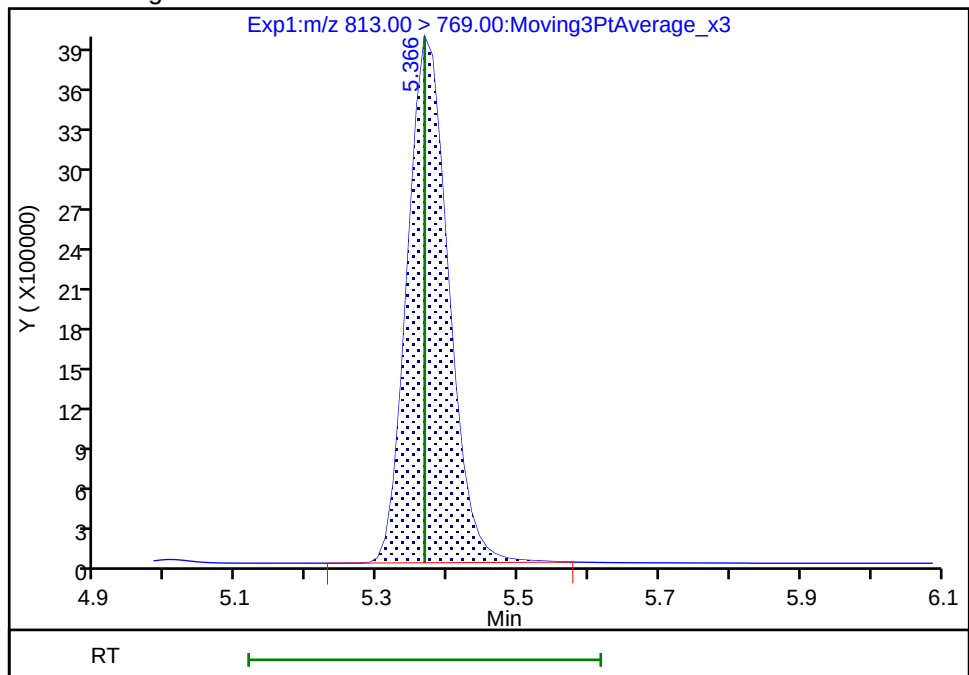
RT: 5.37
Area: 16305862
Amount: 10.008046
Amount Units: ng/ml

Processing Integration Results



RT: 5.37
Area: 16164958
Amount: 10.008049
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:28:59
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

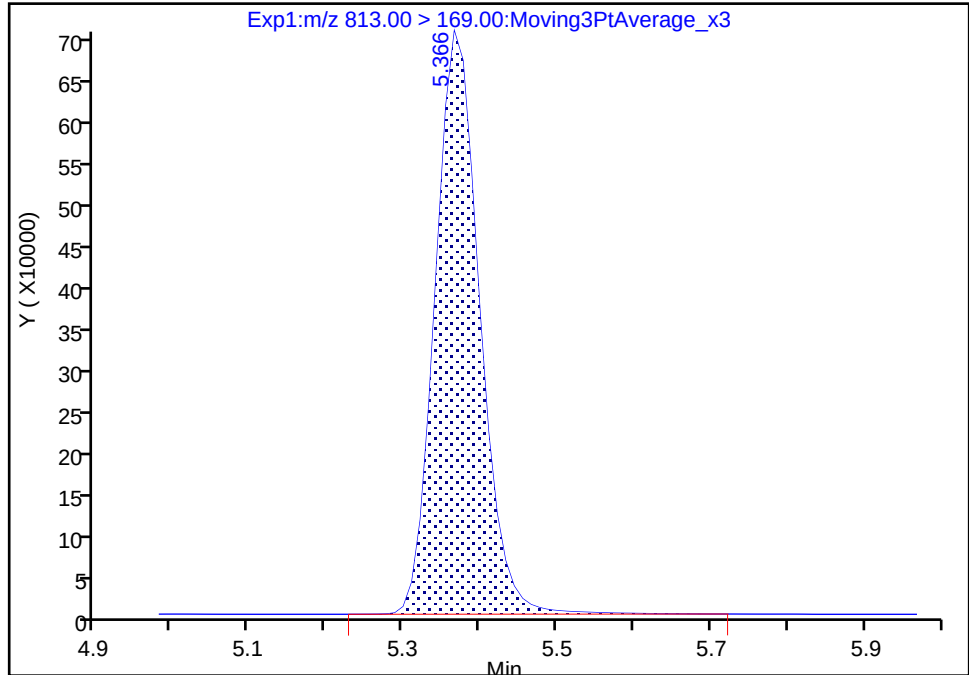
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

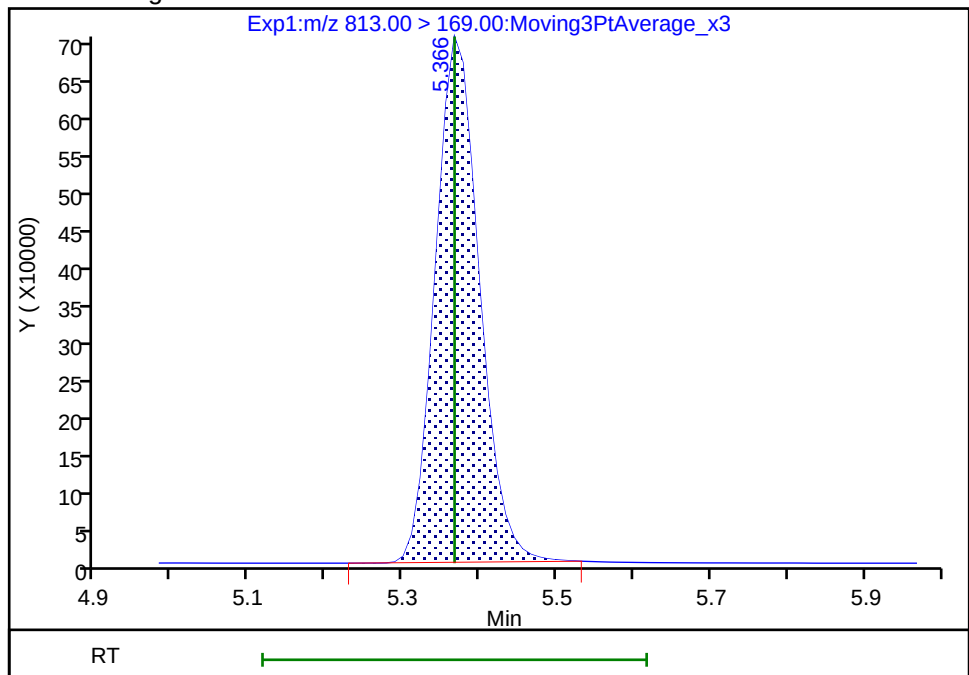
RT: 5.37
Area: 2835121
Amount: 10.008046
Amount Units: ng/ml

Processing Integration Results



RT: 5.37
Area: 2805404
Amount: 10.008049
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:29:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

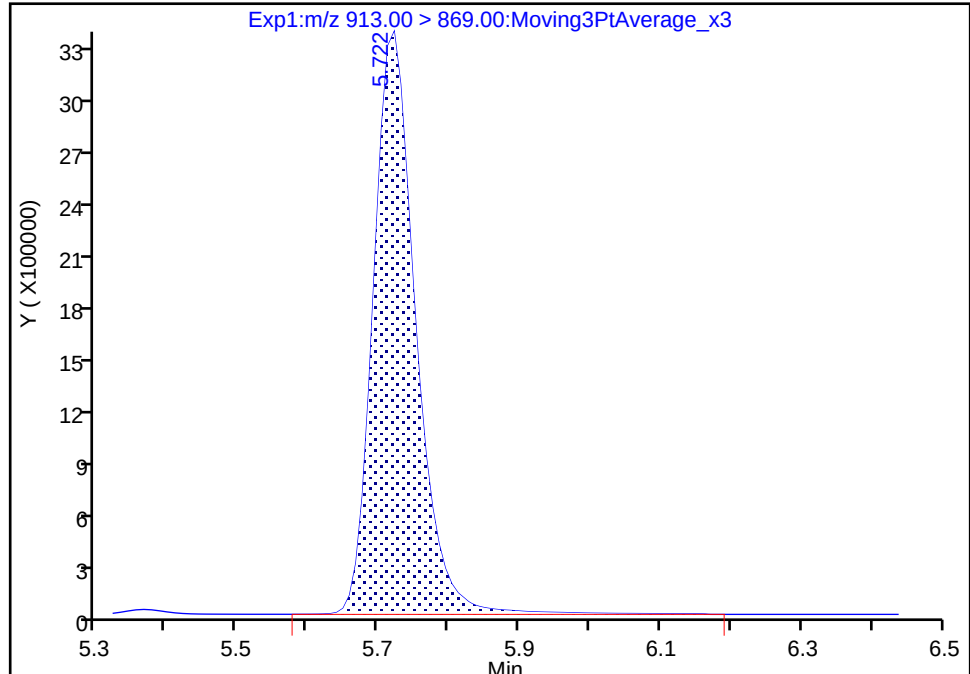
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

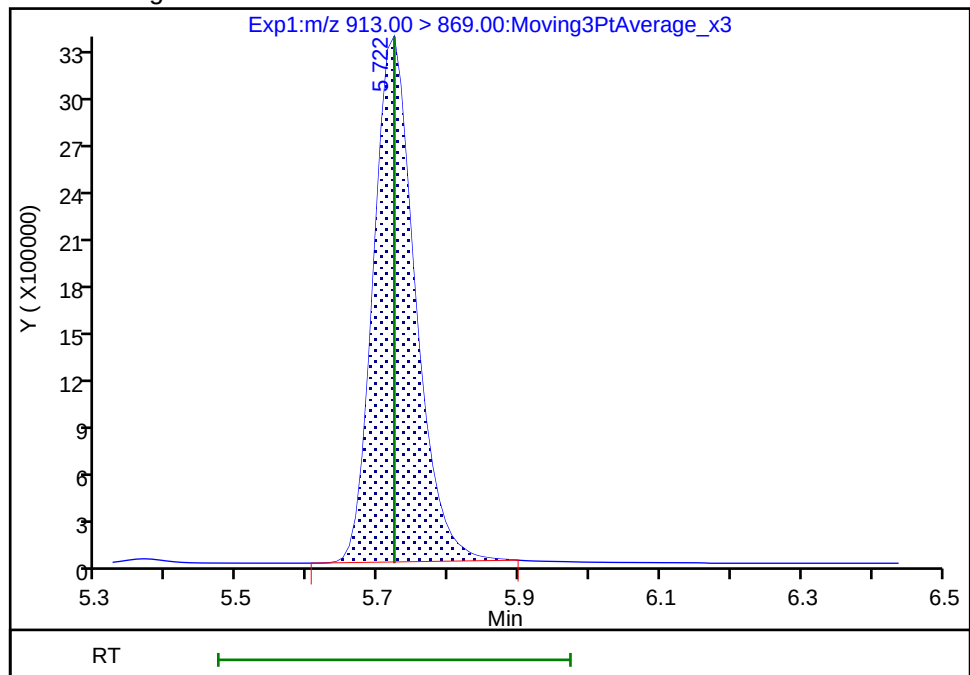
RT: 5.72
Area: 13908772
Amount: 9.598192
Amount Units: ng/ml

Processing Integration Results



RT: 5.72
Area: 13617092
Amount: 9.428539
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:29:12
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

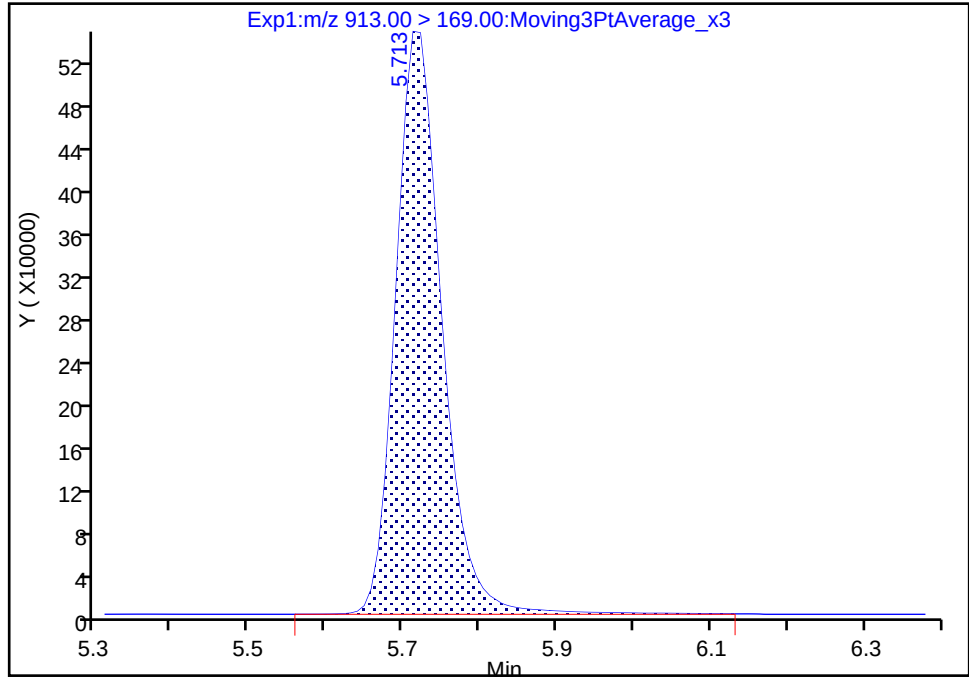
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

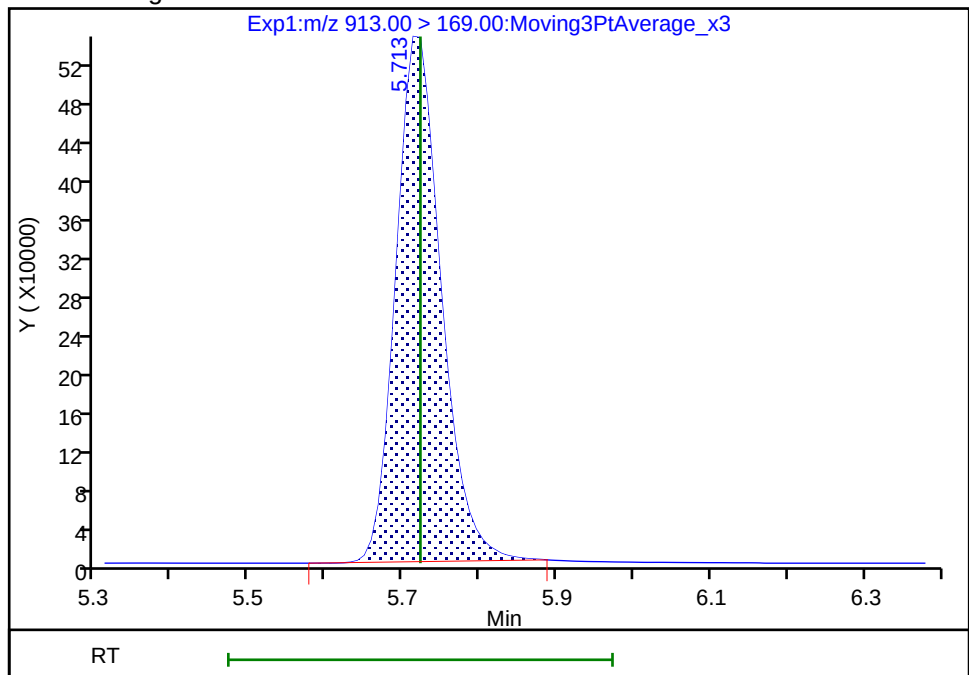
RT: 5.71
Area: 2271279
Amount: 9.598192
Amount Units: ng/ml

Processing Integration Results



RT: 5.71
Area: 2220967
Amount: 9.428539
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:29:15

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Calibration

/ Perfluorobutanoic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

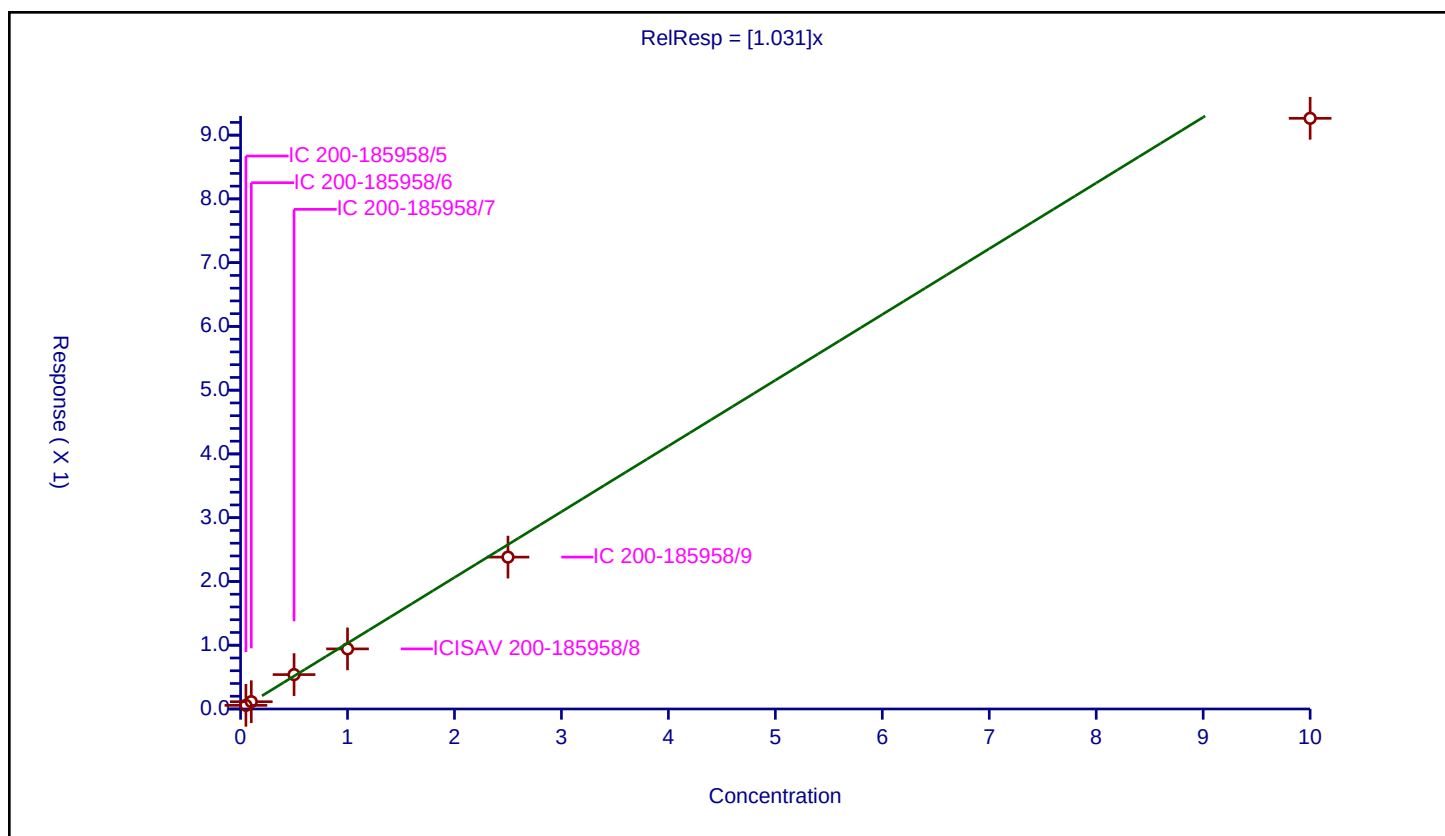
Curve Coefficients

Intercept: 0
Slope: 1.031

Error Coefficients

Standard Error: 8550000
Relative Standard Error: 9.9
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.05	0.057224	1.25	2565506.0	1.144482	Y
2	IC 200-185958/6	0.1	0.114249	1.25	2583086.0	1.142485	Y
3	IC 200-185958/7	0.5	0.539241	1.25	2637410.0	1.078482	Y
4	ICISAV 200-185958/8	1.0	0.942534	1.25	2534911.0	0.942534	Y
5	IC 200-185958/9	2.5	2.381988	1.25	2679202.0	0.952795	Y
6	IC 200-185958/10	10.0	9.26398	1.25	2467565.0	0.926398	Y



Calibration

/ Perfluoropentanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

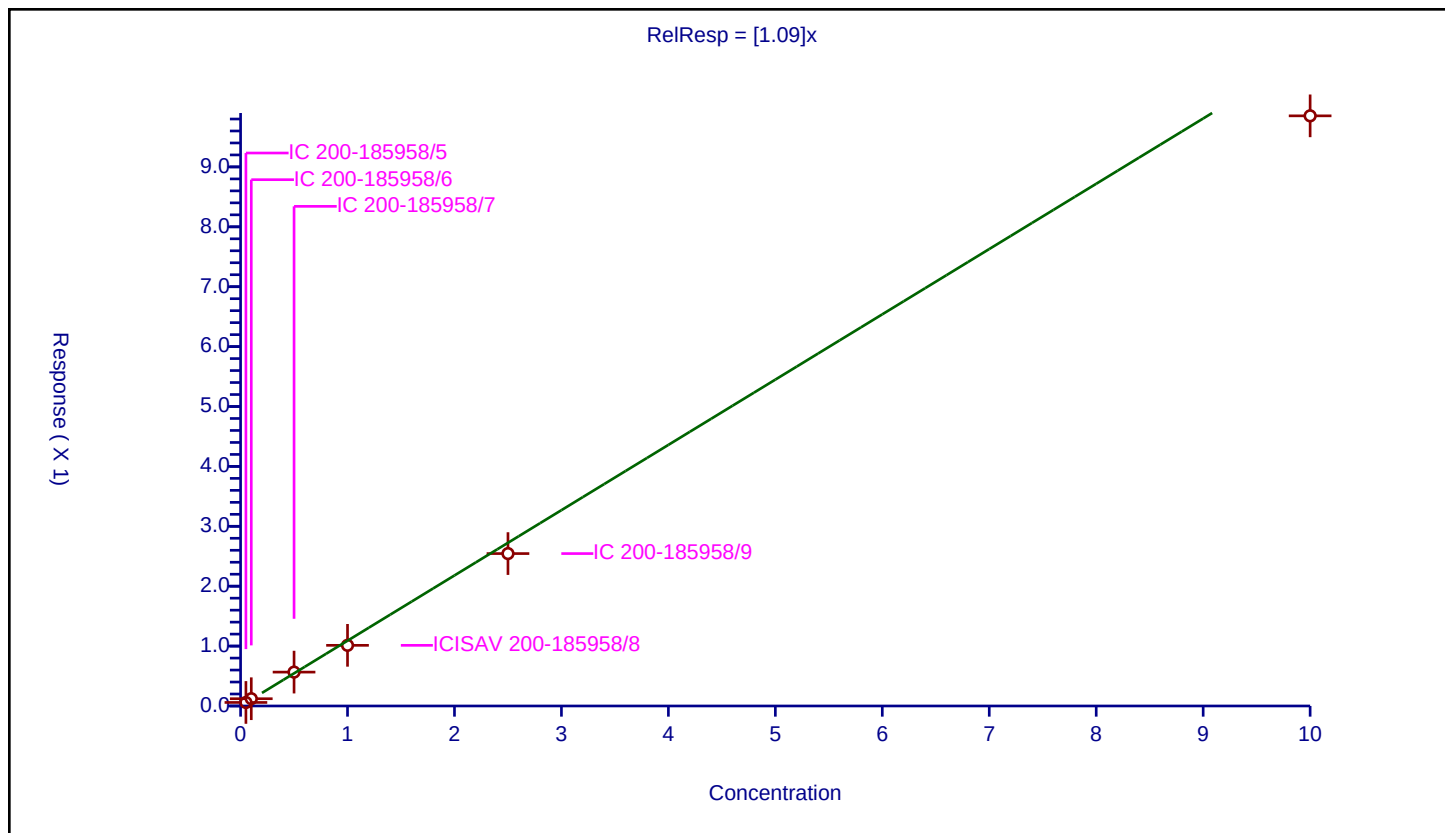
Curve Coefficients

Intercept: 0
 Slope: 1.09

Error Coefficients

Standard Error: 6860000
 Relative Standard Error: 8.9
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.05	0.058833	1.25	1939262.0	1.176659	Y
2	IC 200-185958/6	0.1	0.121498	1.25	1926794.0	1.214985	Y
3	IC 200-185958/7	0.5	0.565812	1.25	2052396.0	1.131624	Y
4	ICISAV 200-185958/8	1.0	1.012574	1.25	1977830.0	1.012574	Y
5	IC 200-185958/9	2.5	2.544537	1.25	2026955.0	1.017815	Y
6	IC 200-185958/10	10.0	9.852991	1.25	1859782.0	0.985299	Y



Calibration

/ Perfluorobutanesulfonic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

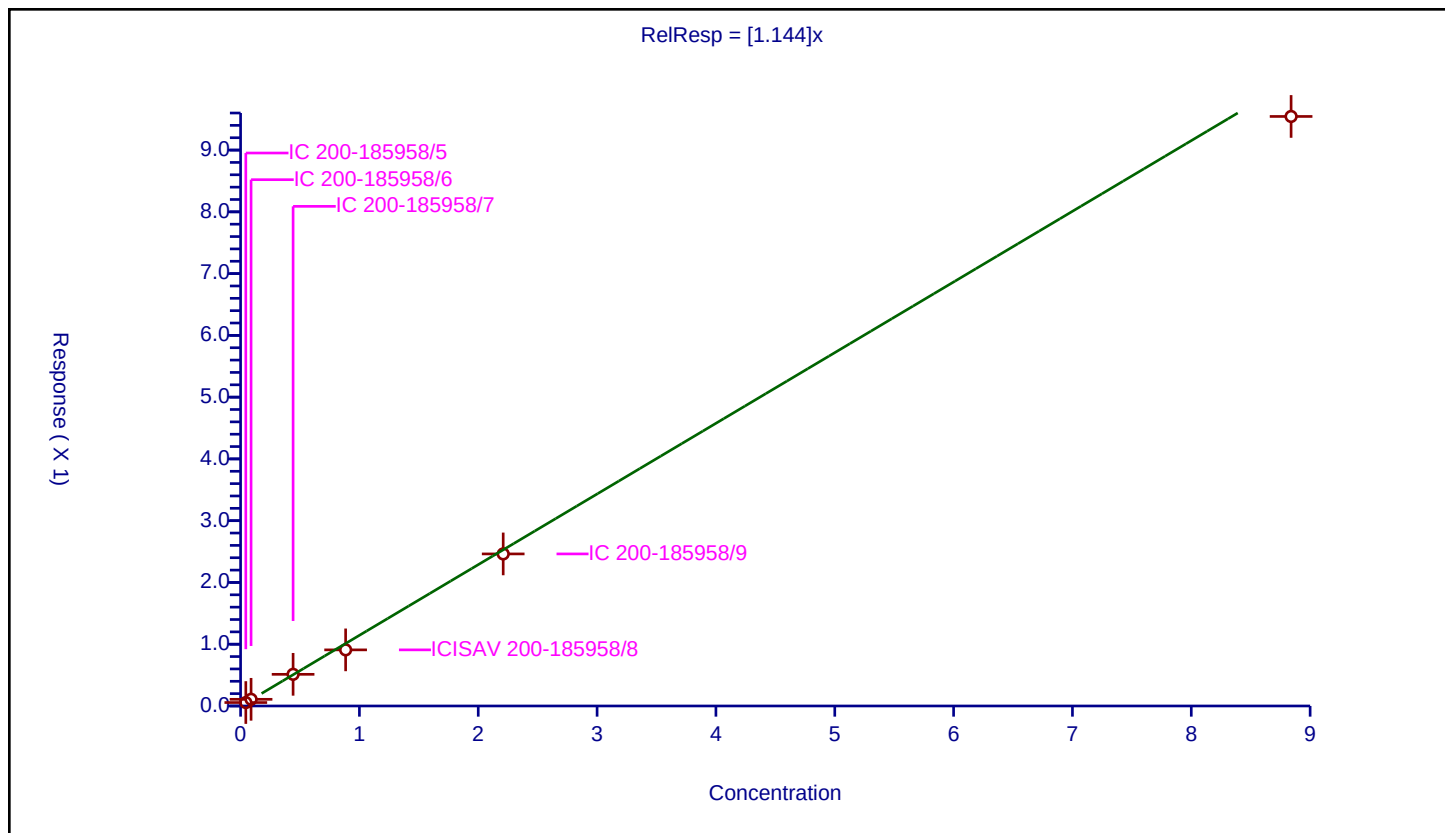
Curve Coefficients

Intercept: 0
 Slope: 1.144

Error Coefficients

Standard Error: 7350000
 Relative Standard Error: 7.7
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.0442	0.055758	1.1625	1961265.0	1.261495	Y
2	IC 200-185958/6	0.0884	0.107986	1.1625	1974243.0	1.221563	Y
3	IC 200-185958/7	0.442	0.512666	1.1625	2040575.0	1.159878	Y
4	ICISAV 200-185958/8	0.884	0.908628	1.1625	1977208.0	1.02786	Y
5	IC 200-185958/9	2.21	2.46206	1.1625	2026741.0	1.114054	Y
6	IC 200-185958/10	8.84	9.544152	1.1625	1920108.0	1.079655	Y



Calibration

/ 1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

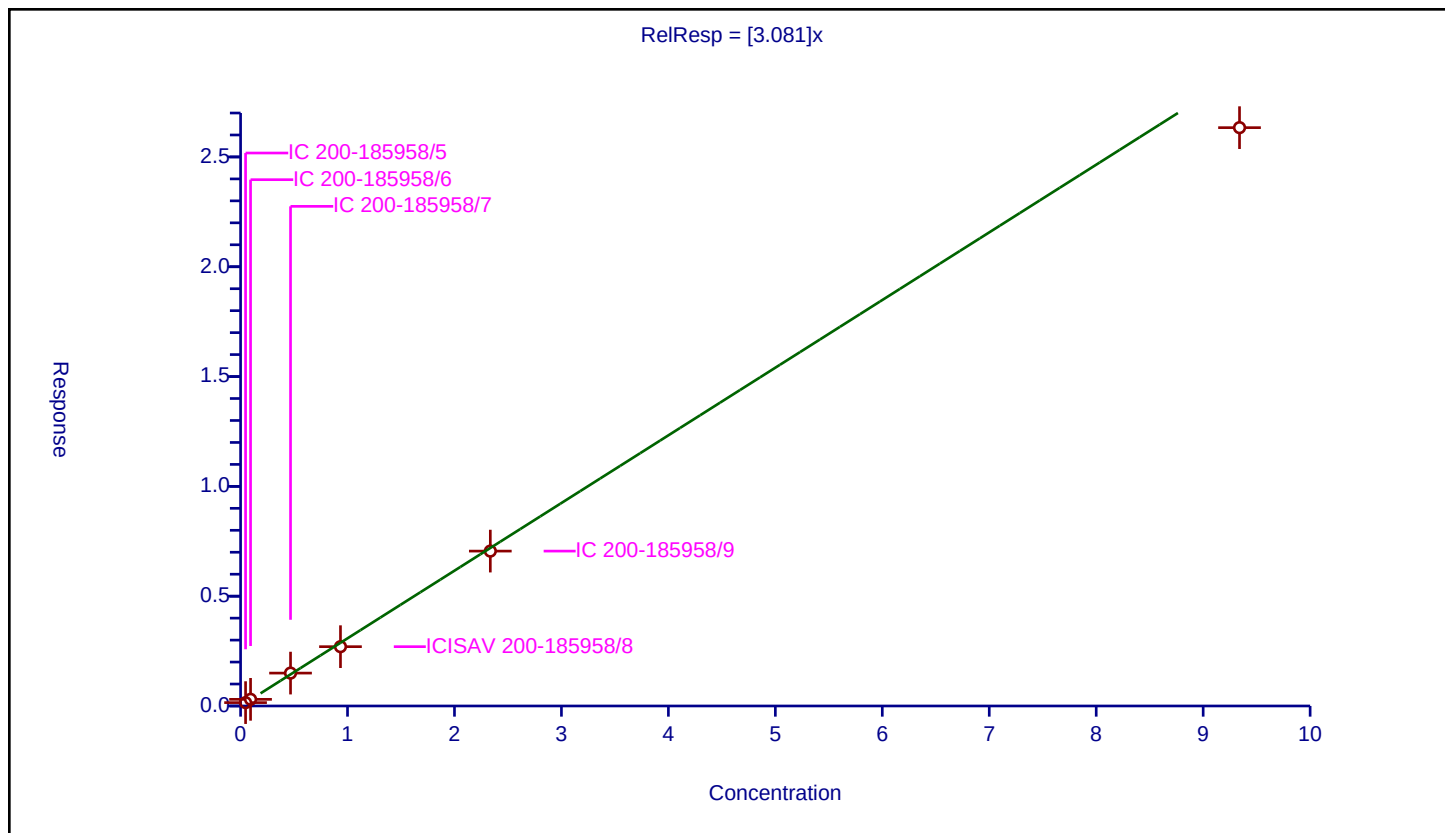
Curve Coefficients

Intercept: 0
 Slope: 3.081

Error Coefficients

Standard Error: 1780000
 Relative Standard Error: 6.5
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.0467	0.15414	1.1675	184320.0	3.300646	Y
2	IC 200-185958/6	0.0934	0.303025	1.1675	176875.0	3.244382	Y
3	IC 200-185958/7	0.467	1.498032	1.1675	178810.0	3.207776	Y
4	ICISAV 200-185958/8	0.934	2.701025	1.1675	169056.0	2.891889	Y
5	IC 200-185958/9	2.335	7.053067	1.1675	178646.0	3.020585	Y
6	IC 200-185958/10	9.34	26.333856	1.1675	168186.0	2.819471	Y



Calibration

/ Perfluorohexanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

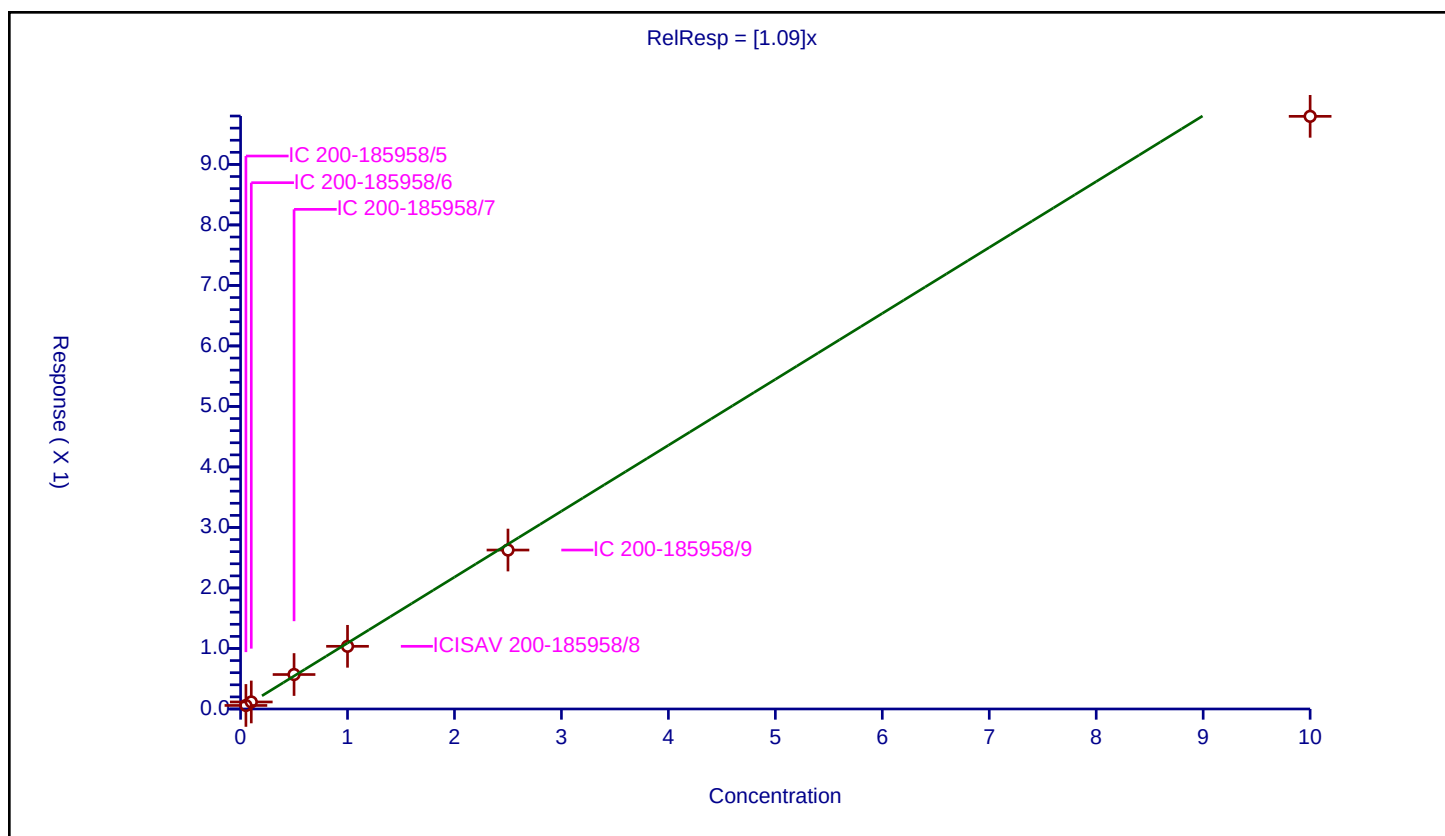
Curve Coefficients

Intercept: 0
 Slope: 1.09

Error Coefficients

Standard Error: 7040000
 Relative Standard Error: 7.2
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.05	0.058558	1.25	1995025.0	1.171151	Y
2	IC 200-185958/6	0.1	0.116113	1.25	2057289.0	1.161134	Y
3	IC 200-185958/7	0.5	0.569539	1.25	2177304.0	1.139078	Y
4	ICISAV 200-185958/8	1.0	1.036018	1.25	2055340.0	1.036018	Y
5	IC 200-185958/9	2.5	2.627037	1.25	2164012.0	1.050815	Y
6	IC 200-185958/10	10.0	9.79467	1.25	1905245.0	0.979467	Y



Calibration

/ Perfluoropentanesulfonic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

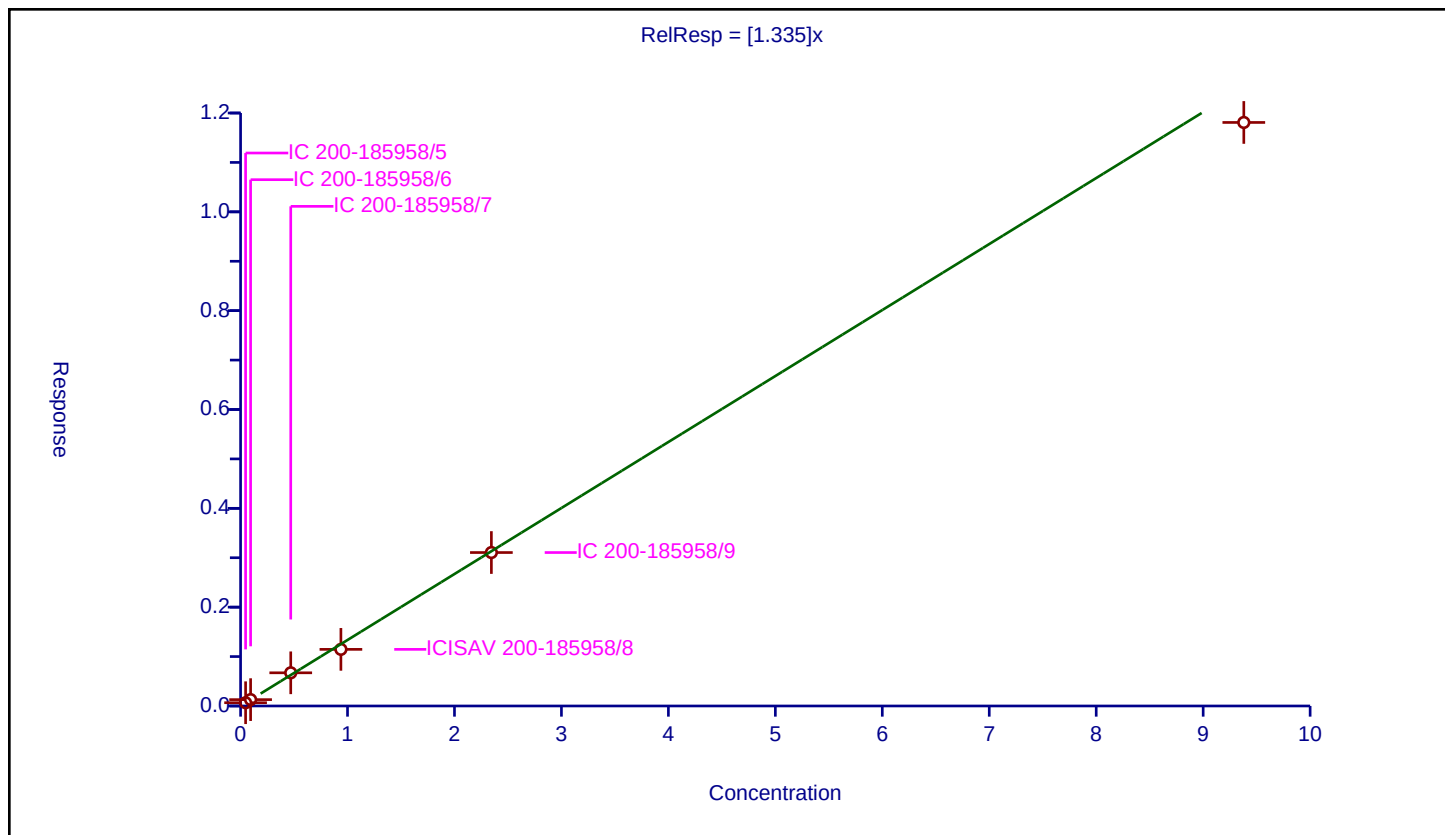
Curve Coefficients

Intercept: 0
 Slope: 1.335

Error Coefficients

Standard Error: 6610000
 Relative Standard Error: 6.2
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.0469	0.065942	1.1825	1483321.0	1.406008	Y
2	IC 200-185958/6	0.0938	0.128511	1.1825	1507942.0	1.370052	Y
3	IC 200-185958/7	0.469	0.671495	1.1825	1474490.0	1.431758	Y
4	ICISAV 200-185958/8	0.938	1.145942	1.1825	1449028.0	1.221687	Y
5	IC 200-185958/9	2.345	3.105213	1.1825	1485775.0	1.324185	Y
6	IC 200-185958/10	9.38	11.808932	1.1825	1417084.0	1.258948	Y



Calibration

/ Perfluoro(2-propoxypropanoic) acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

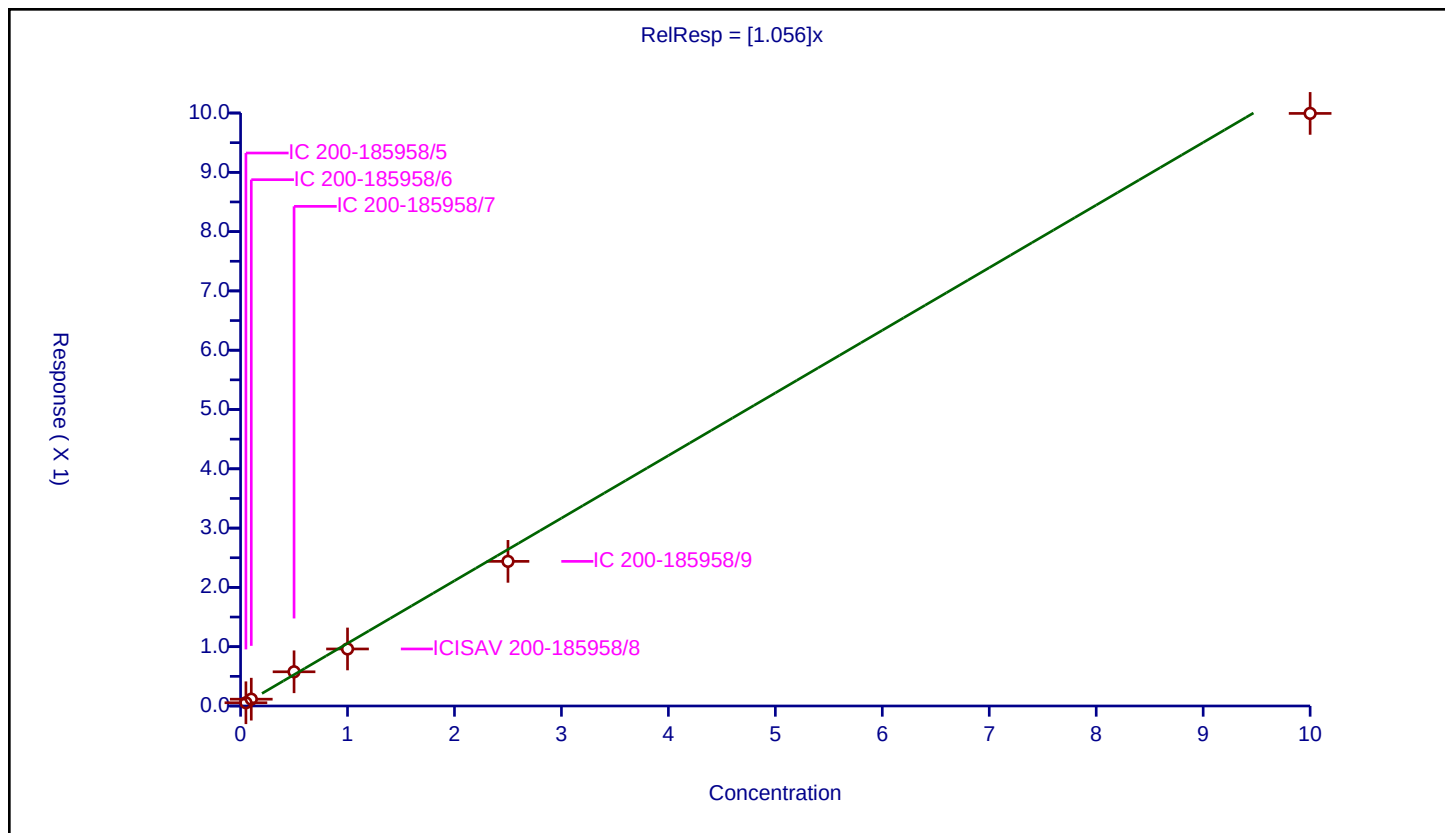
Curve Coefficients

Intercept: 0
 Slope: 1.056

Error Coefficients

Standard Error: 1300000
 Relative Standard Error: 8.3
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.05	0.054781	1.25	337960.0	1.095618	Y
2	IC 200-185958/6	0.1	0.114926	1.25	352715.0	1.149264	Y
3	IC 200-185958/7	0.5	0.576866	1.25	378942.0	1.153732	Y
4	ICISAV 200-185958/8	1.0	0.961905	1.25	372889.0	0.961905	Y
5	IC 200-185958/9	2.5	2.439146	1.25	387831.0	0.975658	Y
6	IC 200-185958/10	10.0	9.993461	1.25	349067.0	0.999346	Y



Calibration

/ Perfluorohexanesulfonic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

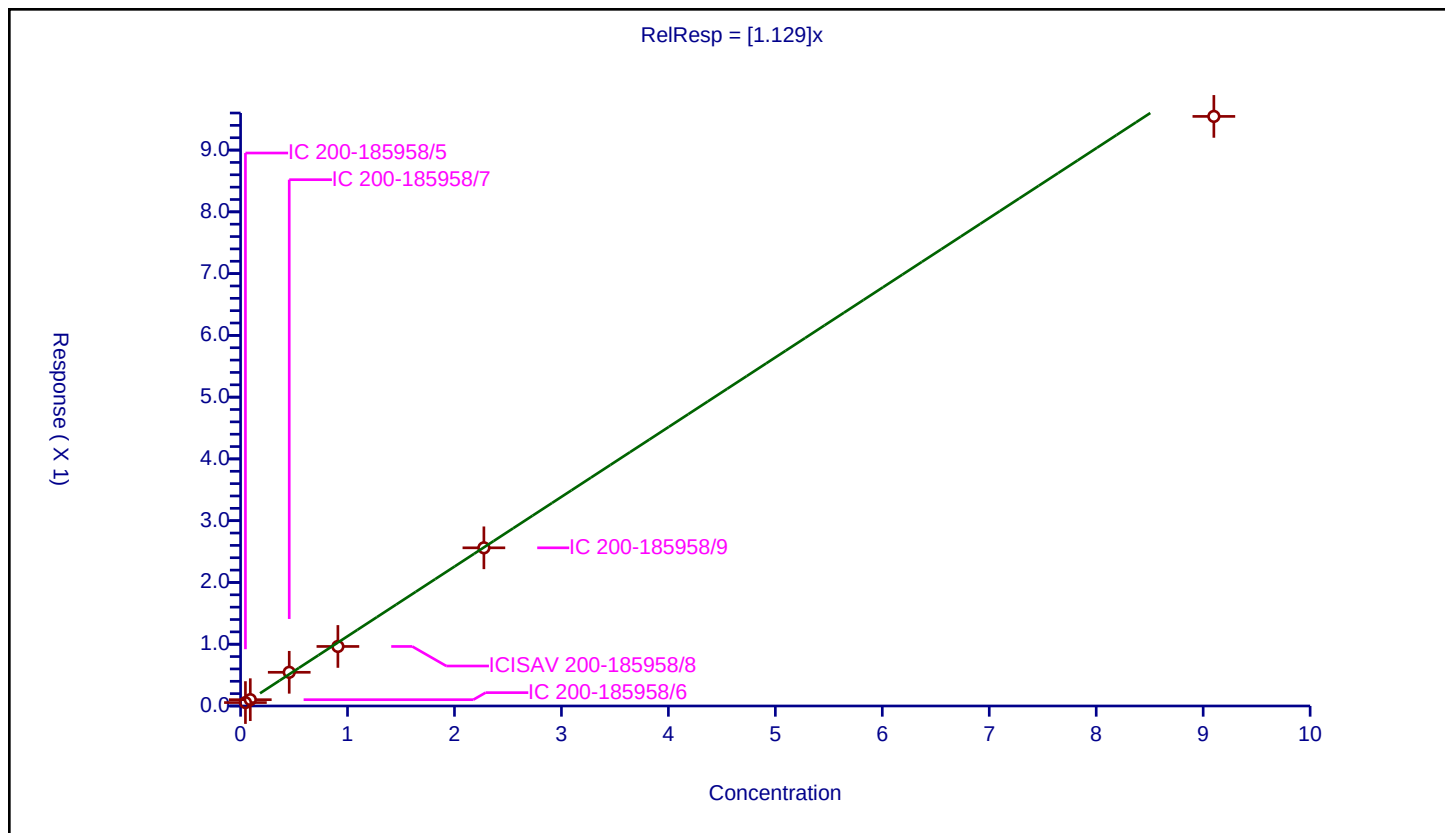
Curve Coefficients

Intercept: 0
 Slope: 1.129

Error Coefficients

Standard Error: 5350000
 Relative Standard Error: 6.1
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.0455	0.055357	1.1825	1483321.0	1.216629	Y
2	IC 200-185958/6	0.091	0.10215	1.1825	1507942.0	1.122525	Y
3	IC 200-185958/7	0.455	0.545667	1.1825	1474490.0	1.199267	Y
4	ICISAV 200-185958/8	0.91	0.963656	1.1825	1449028.0	1.058963	Y
5	IC 200-185958/9	2.275	2.560878	1.1825	1485775.0	1.125661	Y
6	IC 200-185958/10	9.1	9.544961	1.1825	1417084.0	1.048897	Y



Calibration

/ Perfluoroheptanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

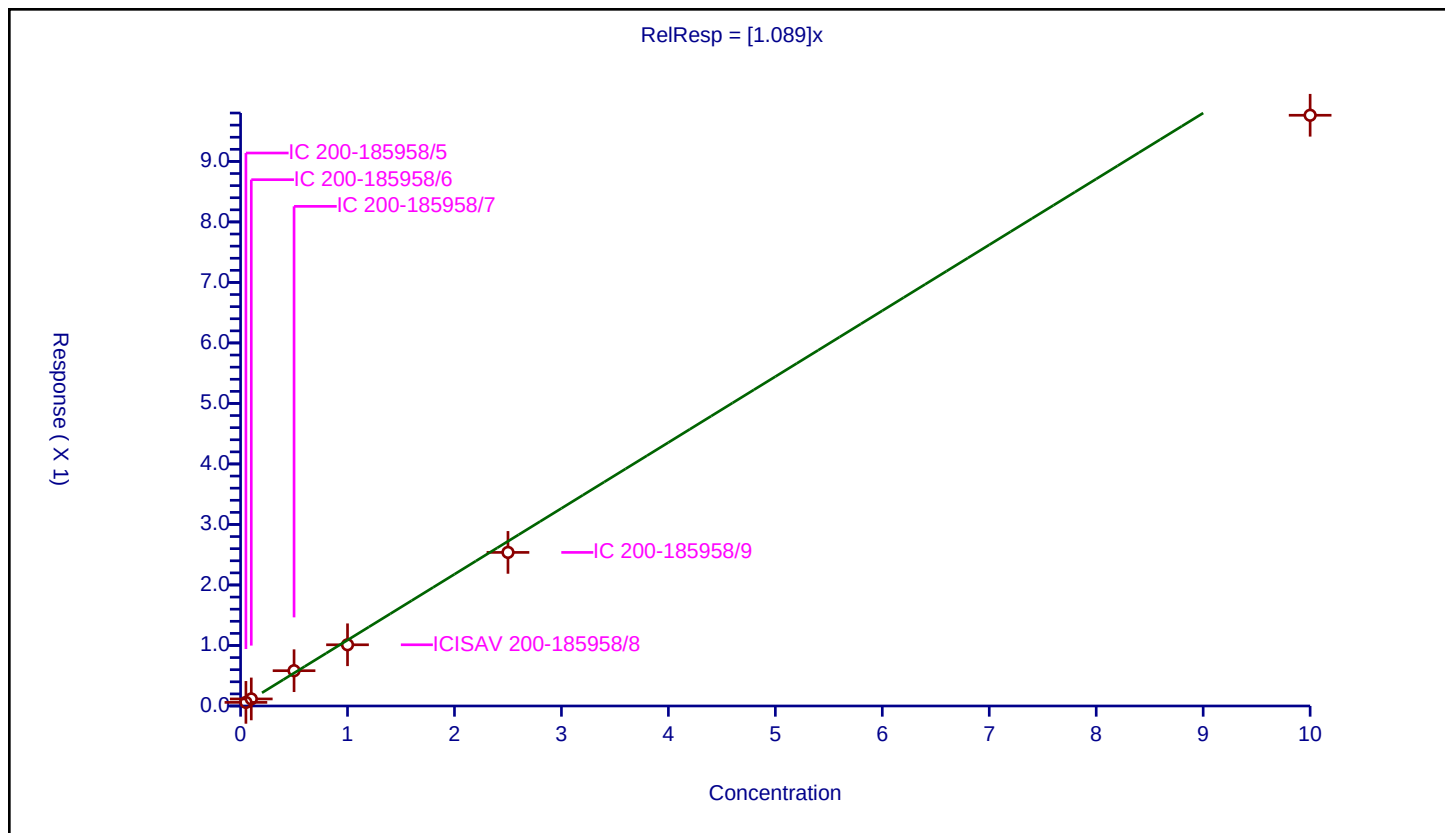
Curve Coefficients

Intercept: 0
 Slope: 1.089

Error Coefficients

Standard Error: 7240000
 Relative Standard Error: 9.0
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.05	0.059812	1.25	2099356.0	1.196236	Y
2	IC 200-185958/6	0.1	0.116645	1.25	2087570.0	1.166446	Y
3	IC 200-185958/7	0.5	0.583295	1.25	2150118.0	1.166589	Y
4	ICISAV 200-185958/8	1.0	1.011758	1.25	2123066.0	1.011758	Y
5	IC 200-185958/9	2.5	2.538419	1.25	2271049.0	1.015368	Y
6	IC 200-185958/10	10.0	9.762974	1.25	1969787.0	0.976297	Y



Calibration

/ DONA

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

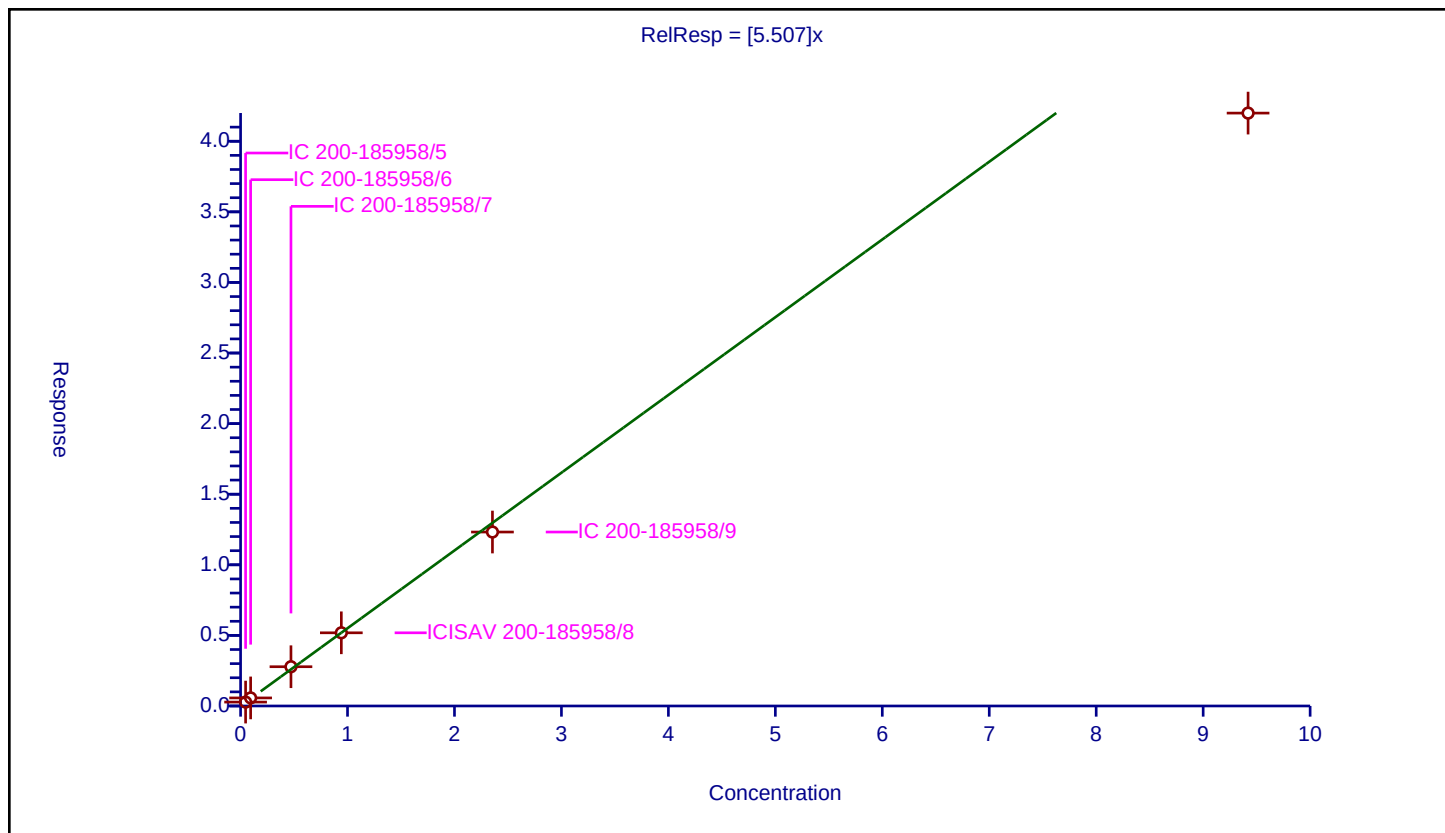
Curve Coefficients

Intercept: 0
Slope: 5.507

Error Coefficients

Standard Error: 16500000
Relative Standard Error: 10.9
Correlation Coefficient: 0.997
Coefficient of Determination (Adjusted): 0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.0471	0.276629	1.195	989045.0	5.873234	Y
2	IC 200-185958/6	0.0942	0.571824	1.195	1010315.0	6.070323	Y
3	IC 200-185958/7	0.471	2.781198	1.195	1035061.0	5.904879	Y
4	ICISAV 200-185958/8	0.942	5.184478	1.195	967441.0	5.503692	Y
5	IC 200-185958/9	2.355	12.321992	1.195	1049764.0	5.232268	Y
6	IC 200-185958/10	9.42	41.995038	1.195	993714.0	4.458072	Y



Calibration

/ Perfluoroheptanesulfonic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

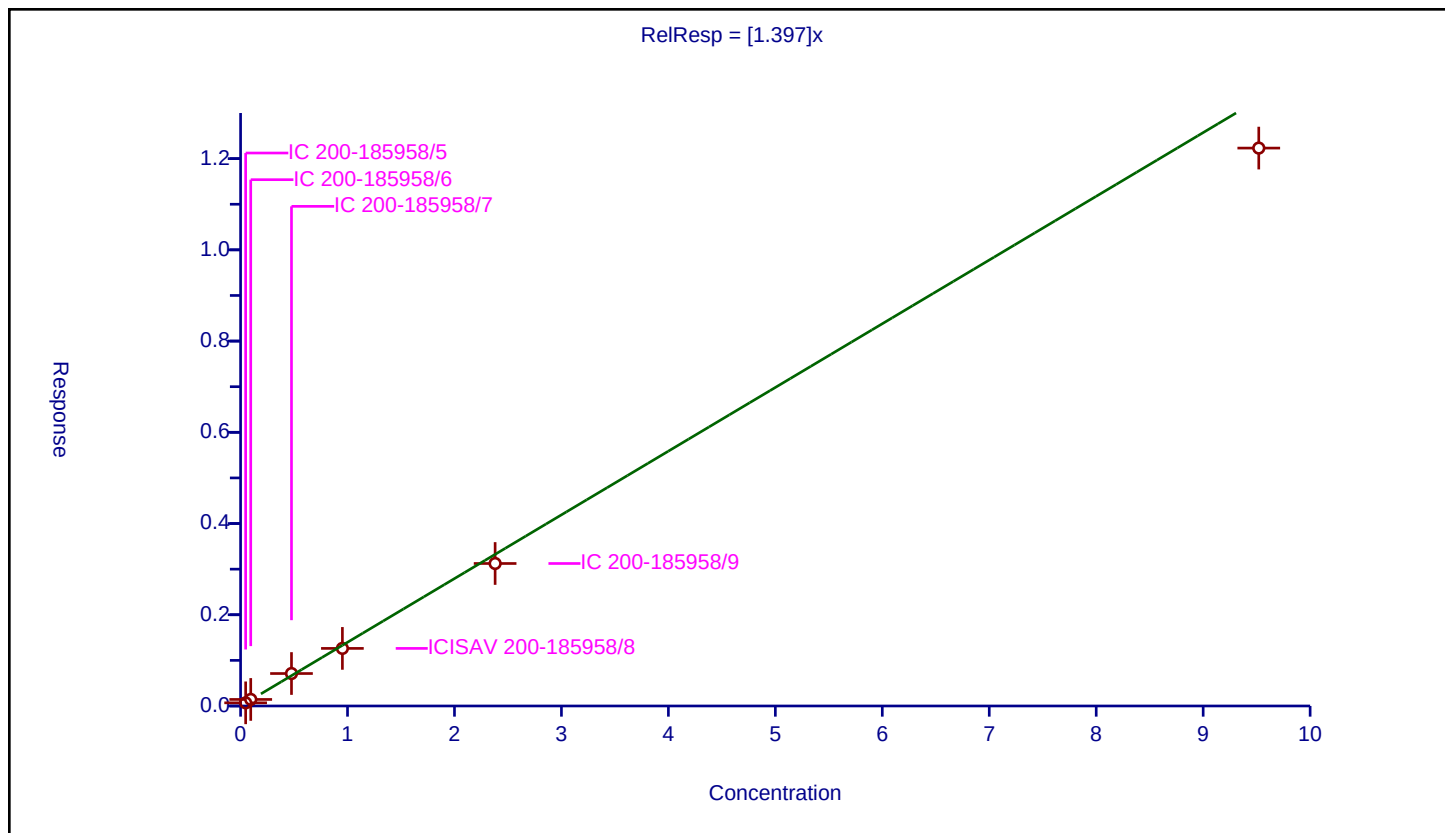
Curve Coefficients

Intercept: 0
 Slope: 1.397

Error Coefficients

Standard Error: 4740000
 Relative Standard Error: 7.2
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.0476	0.069184	1.195	989045.0	1.453437	Y
2	IC 200-185958/6	0.0952	0.143591	1.195	1010315.0	1.508305	Y
3	IC 200-185958/7	0.476	0.711751	1.195	1035061.0	1.495275	Y
4	ICISAV 200-185958/8	0.952	1.262274	1.195	967441.0	1.325918	Y
5	IC 200-185958/9	2.38	3.123937	1.195	1049764.0	1.312579	Y
6	IC 200-185958/10	9.52	12.23132	1.195	993714.0	1.284802	Y



Calibration

/ 1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)

Curve Type: Linear
Weighting: Conc
Origin: None
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

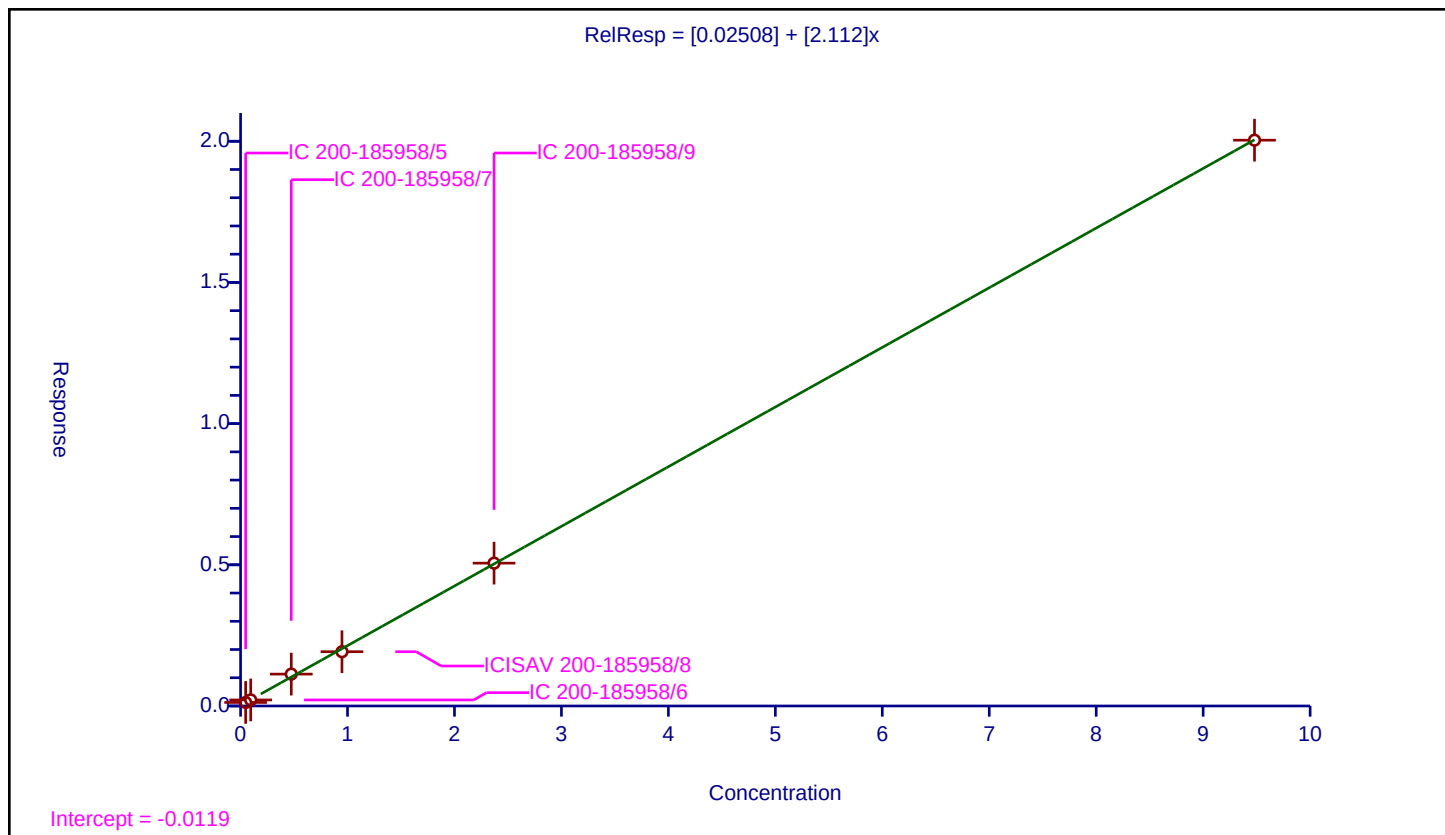
Curve Coefficients

Intercept: 0.02508
Slope: 2.112

Error Coefficients

Standard Error: 1960000
Relative Standard Error: 6.4
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.0474	0.125278	1.1875	255115.0	2.643002	Y
2	IC 200-185958/6	0.0948	0.214255	1.1875	254748.0	2.260075	Y
3	IC 200-185958/7	0.474	1.129262	1.1875	247623.0	2.38241	Y
4	ICISAV 200-185958/8	0.948	1.921884	1.1875	249636.0	2.027304	Y
5	IC 200-185958/9	2.37	5.059011	1.1875	257709.0	2.134604	Y
6	IC 200-185958/10	9.48	20.037836	1.1875	221871.0	2.113696	Y



Calibration

/ Perfluorooctanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

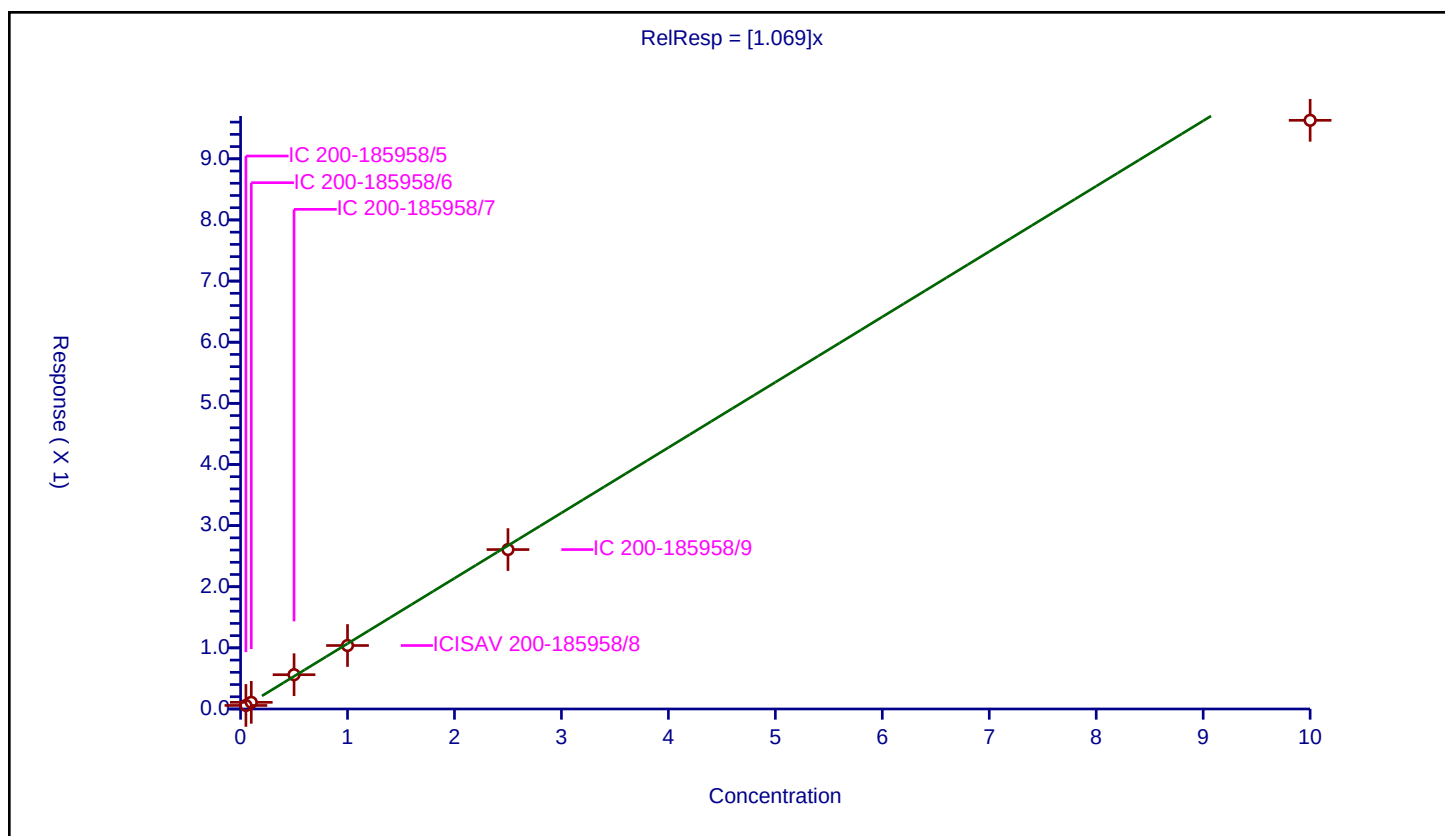
Curve Coefficients

Intercept: 0
 Slope: 1.069

Error Coefficients

Standard Error: 8010000
 Relative Standard Error: 6.5
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.05	0.057928	1.25	2369880.0	1.158561	Y
2	IC 200-185958/6	0.1	0.10893	1.25	2369406.0	1.089303	Y
3	IC 200-185958/7	0.5	0.56085	1.25	2474245.0	1.1217	Y
4	ICISAV 200-185958/8	1.0	1.038544	1.25	2342274.0	1.038544	Y
5	IC 200-185958/9	2.5	2.607899	1.25	2522753.0	1.04316	Y
6	IC 200-185958/10	10.0	9.629585	1.25	2203793.0	0.962958	Y



Calibration

/ Perfluorooctanesulfonic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

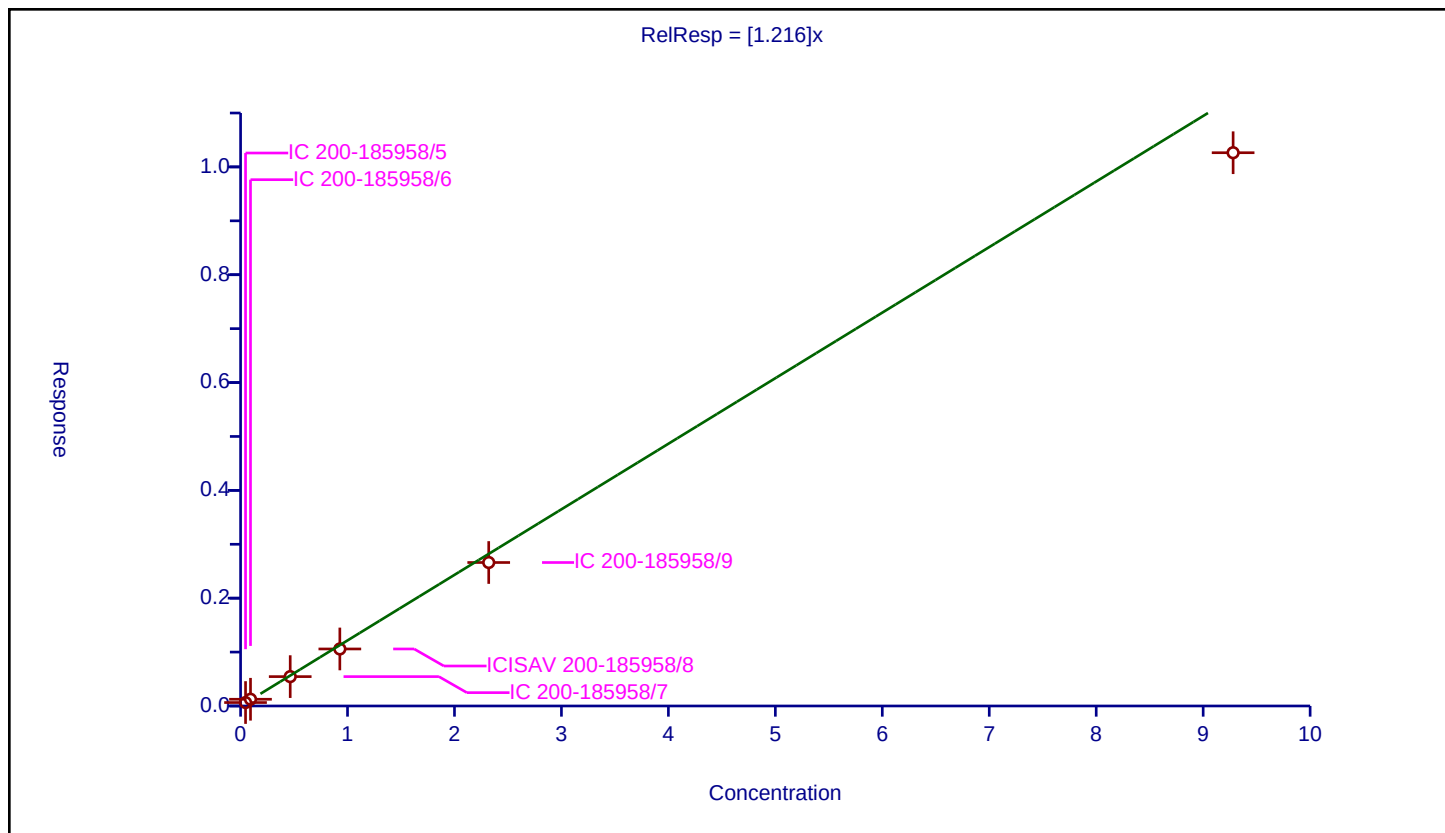
Curve Coefficients

Intercept: 0
 Slope: 1.216

Error Coefficients

Standard Error: 3980000
 Relative Standard Error: 9.7
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.0464	0.064237	1.195	989045.0	1.38442	Y
2	IC 200-185958/6	0.0928	0.124818	1.195	1010315.0	1.345026	Y
3	IC 200-185958/7	0.464	0.544794	1.195	1035061.0	1.174126	Y
4	ICISAV 200-185958/8	0.928	1.057996	1.195	967441.0	1.140082	Y
5	IC 200-185958/9	2.32	2.66153	1.195	1049764.0	1.147211	Y
6	IC 200-185958/10	9.28	10.263454	1.195	993714.0	1.105976	Y



Calibration

/ Perfluorononanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

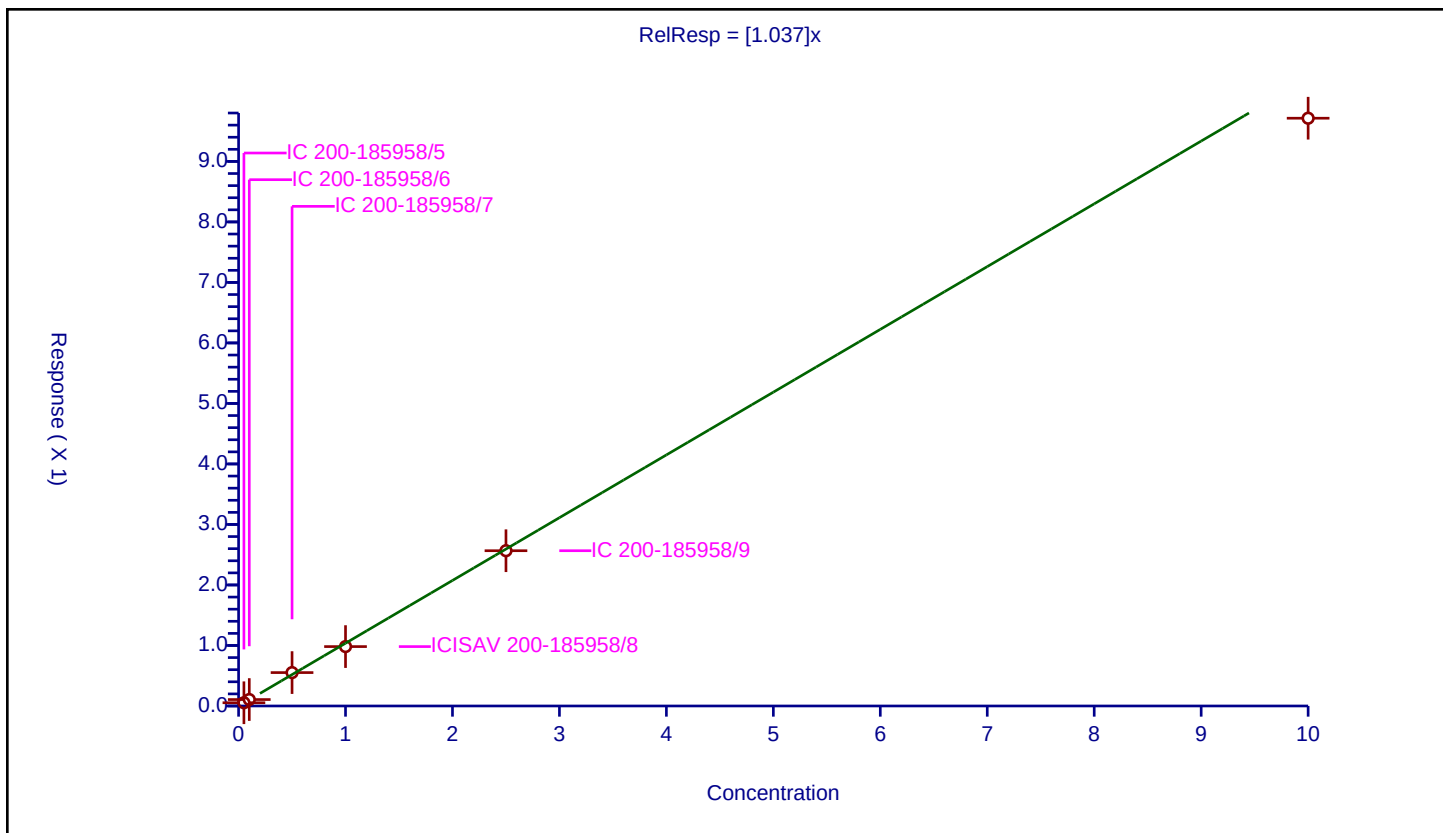
Curve Coefficients

Intercept: 0
 Slope: 1.037

Error Coefficients

Standard Error: 7690000
 Relative Standard Error: 5.1
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.05	0.053731	1.25	2280957.0	1.074615	Y
2	IC 200-185958/6	0.1	0.106615	1.25	2362013.0	1.066146	Y
3	IC 200-185958/7	0.5	0.551805	1.25	2379680.0	1.10361	Y
4	ICISAV 200-185958/8	1.0	0.981878	1.25	2356501.0	0.981878	Y
5	IC 200-185958/9	2.5	2.566207	1.25	2401890.0	1.026483	Y
6	IC 200-185958/10	10.0	9.713994	1.25	2102974.0	0.971399	Y



Calibration

/ 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

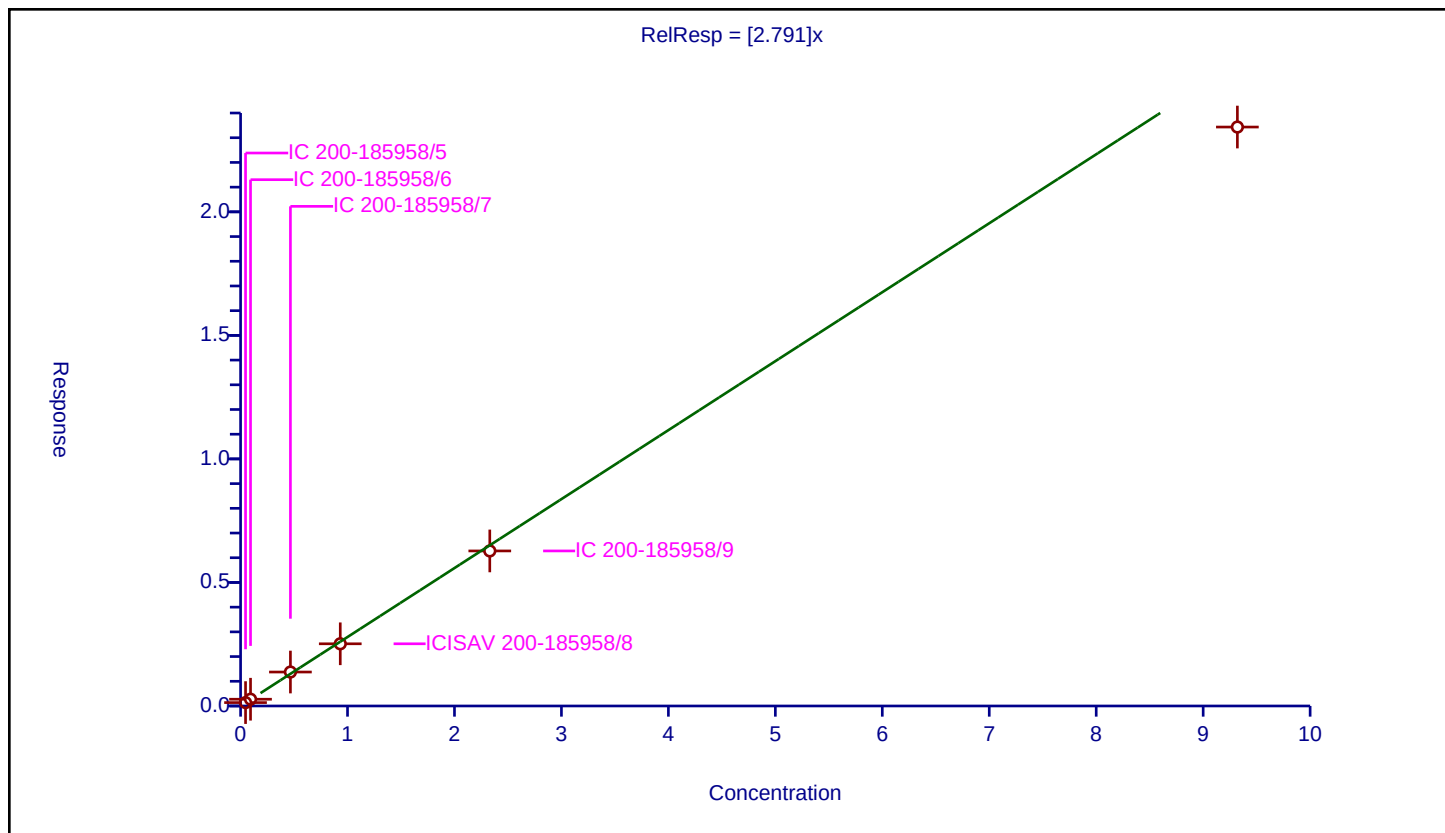
Curve Coefficients

Intercept: 0
 Slope: 2.791

Error Coefficients

Standard Error: 9120000
 Relative Standard Error: 6.5
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.0466	0.13781	1.195	989045.0	2.957301	Y
2	IC 200-185958/6	0.0932	0.273121	1.195	1010315.0	2.930487	Y
3	IC 200-185958/7	0.466	1.375015	1.195	1035061.0	2.950677	Y
4	ICISAV 200-185958/8	0.932	2.517272	1.195	967441.0	2.700935	Y
5	IC 200-185958/9	2.33	6.275684	1.195	1049764.0	2.693427	Y
6	IC 200-185958/10	9.32	23.431976	1.195	993714.0	2.514161	Y



Calibration

/ Perfluorononanesulfonic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

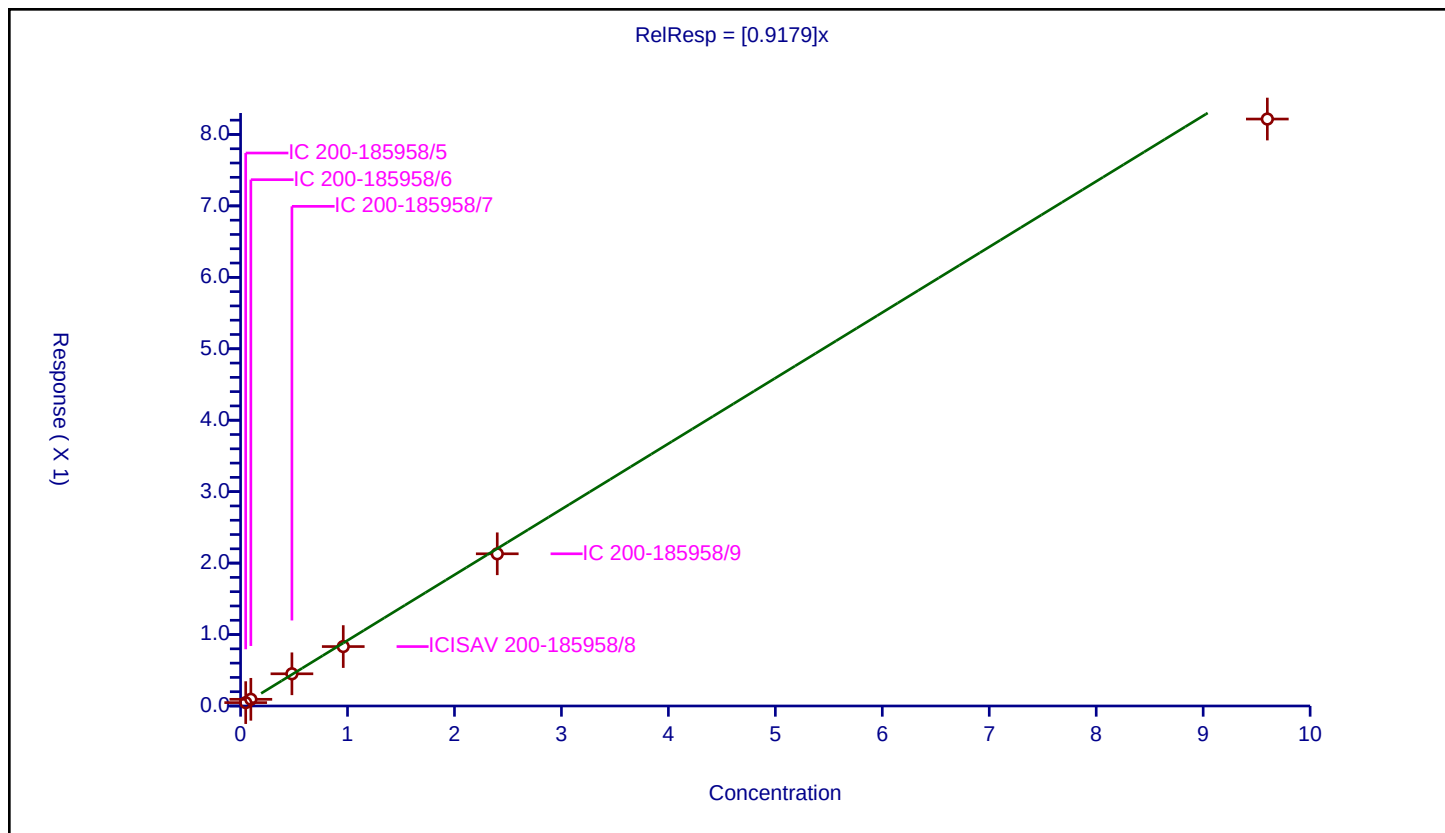
Curve Coefficients

Intercept: 0
 Slope: 0.9179

Error Coefficients

Standard Error: 3190000
 Relative Standard Error: 6.1
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.048	0.04718	1.195	989045.0	0.982925	Y
2	IC 200-185958/6	0.096	0.093669	1.195	1010315.0	0.975723	Y
3	IC 200-185958/7	0.48	0.450766	1.195	1035061.0	0.939095	Y
4	ICISAV 200-185958/8	0.96	0.831668	1.195	967441.0	0.866321	Y
5	IC 200-185958/9	2.4	2.130194	1.195	1049764.0	0.887581	Y
6	IC 200-185958/10	9.6	8.215732	1.195	993714.0	0.855805	Y



Calibration

/ Perfluorodecanoic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

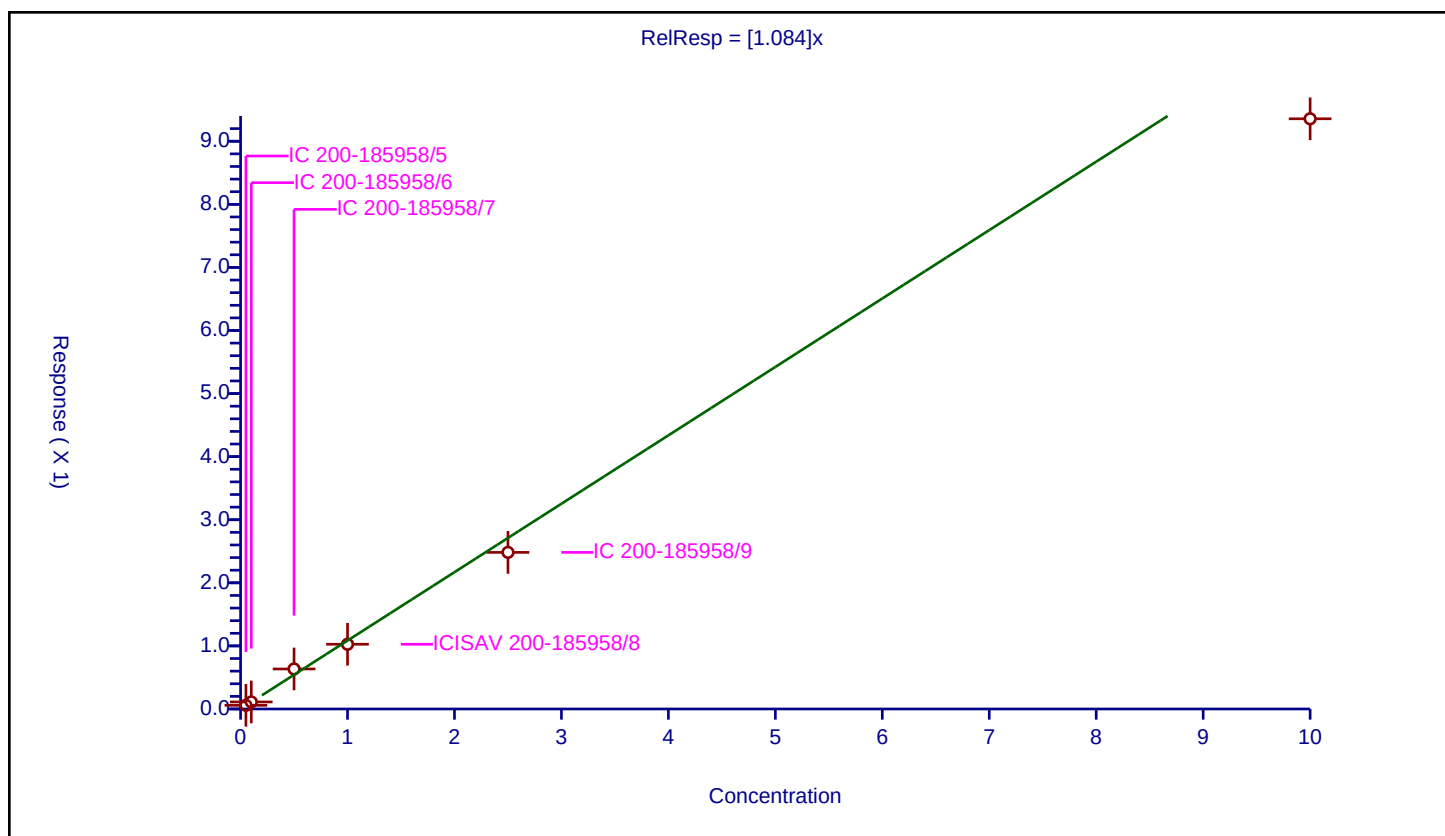
Curve Coefficients

Intercept: 0
Slope: 1.084

Error Coefficients

Standard Error: 7850000
Relative Standard Error: 11.3
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.05	0.058304	1.25	2260154.0	1.166082	Y
2	IC 200-185958/6	0.1	0.11171	1.25	2439344.0	1.117098	Y
3	IC 200-185958/7	0.5	0.634421	1.25	2334094.0	1.268842	Y
4	ICISAV 200-185958/8	1.0	1.026097	1.25	2384612.0	1.026097	Y
5	IC 200-185958/9	2.5	2.482655	1.25	2491665.0	0.993062	Y
6	IC 200-185958/10	10.0	9.356046	1.25	2229691.0	0.935605	Y



Calibration

/ 1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

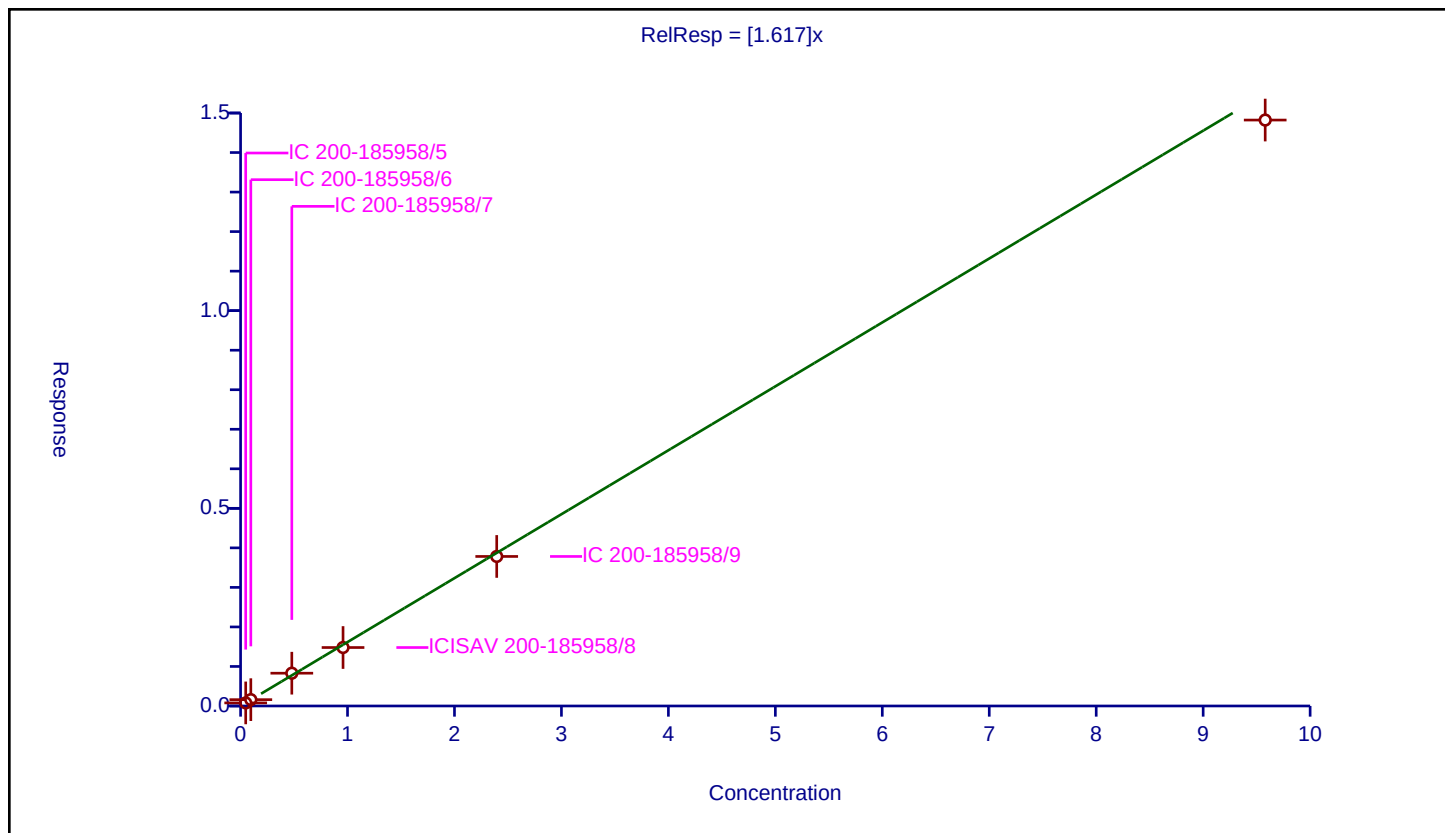
Curve Coefficients

Intercept: 0
Slope: 1.617

Error Coefficients

Standard Error: 1610000
Relative Standard Error: 4.6
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.0479	0.07804	1.1975	306939.0	1.629233	Y
2	IC 200-185958/6	0.0958	0.159992	1.1975	307241.0	1.670065	Y
3	IC 200-185958/7	0.479	0.829647	1.1975	321045.0	1.732039	Y
4	ICISAV 200-185958/8	0.958	1.479261	1.1975	300249.0	1.544114	Y
5	IC 200-185958/9	2.395	3.782944	1.1975	321188.0	1.579517	Y
6	IC 200-185958/10	9.58	14.82207	1.1975	277266.0	1.547189	Y



Calibration

/ Perfluorooctanesulfonamide

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

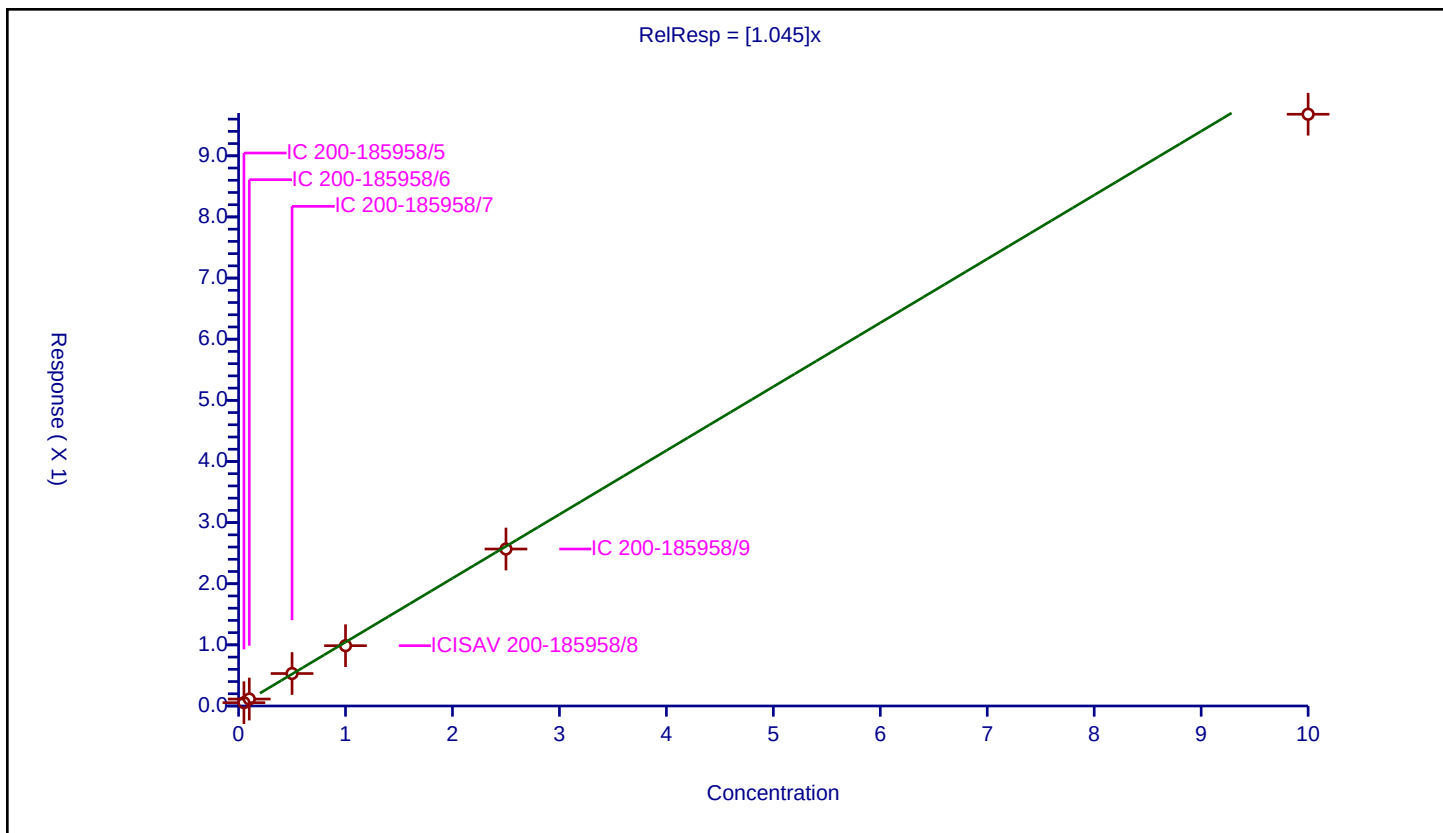
Curve Coefficients

Intercept: 0
 Slope: 1.045

Error Coefficients

Standard Error: 6920000
 Relative Standard Error: 6.1
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.05	0.054343	1.25	1923900.0	1.086868	Y
2	IC 200-185958/6	0.1	0.113824	1.25	1899612.0	1.138239	Y
3	IC 200-185958/7	0.5	0.53088	1.25	1967036.0	1.06176	Y
4	ICISAV 200-185958/8	1.0	0.986482	1.25	1879604.0	0.986482	Y
5	IC 200-185958/9	2.5	2.567614	1.25	1993351.0	1.027045	Y
6	IC 200-185958/10	10.0	9.680002	1.25	1914897.0	0.968	Y



Calibration

/ N-methylperfluorooctanesulfonamidoacetic acid

Curve Type: Linear
 Weighting: Conc
 Origin: None
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

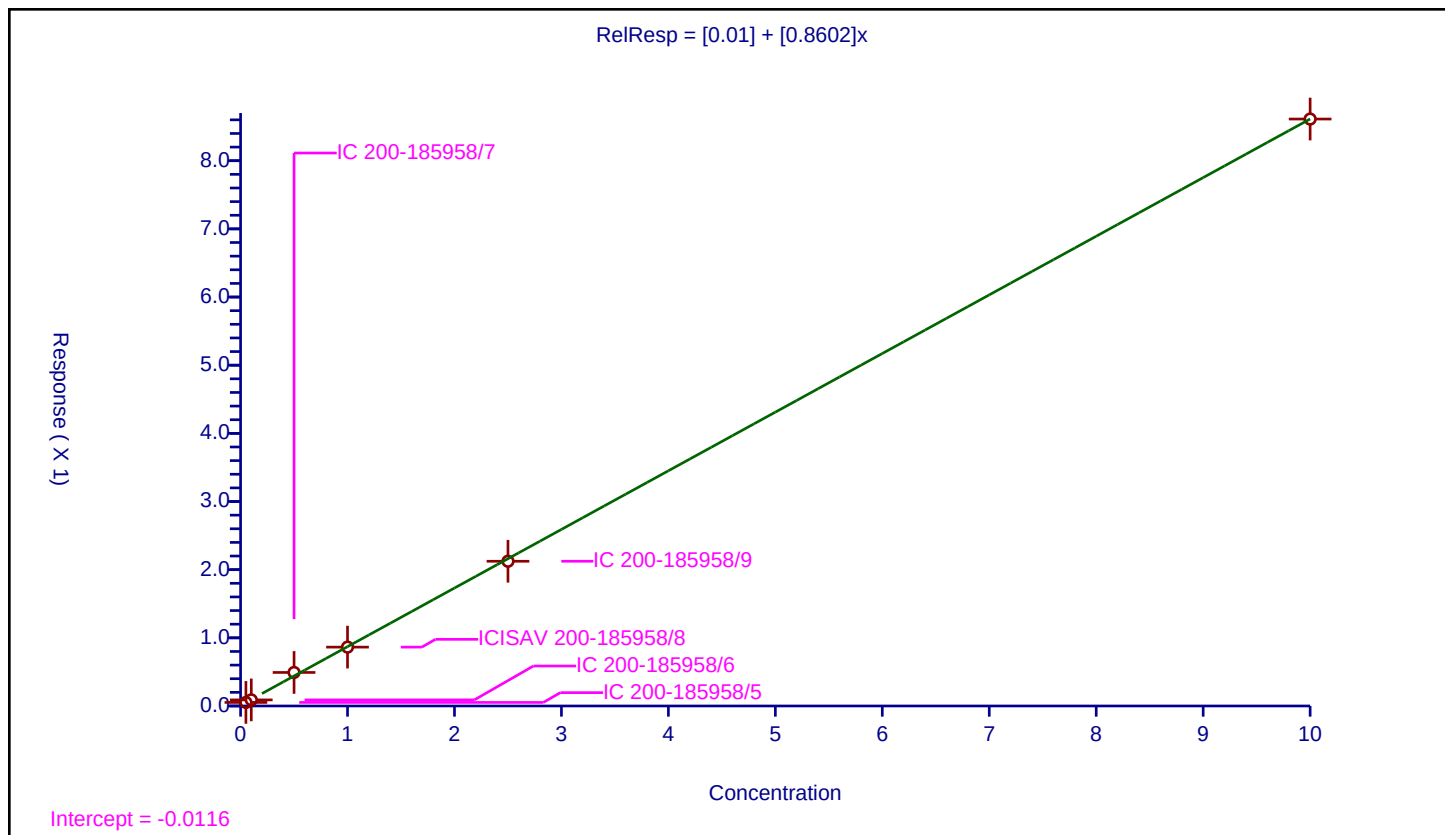
Curve Coefficients

Intercept: 0.01
 Slope: 0.8602

Error Coefficients

Standard Error: 1720000
 Relative Standard Error: 7.3
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.05	0.052273	1.25	467975.0	1.045462	Y
2	IC 200-185958/6	0.1	0.089246	1.25	478399.0	0.892456	Y
3	IC 200-185958/7	0.5	0.492116	1.25	466044.0	0.984231	Y
4	ICISAV 200-185958/8	1.0	0.863805	1.25	470154.0	0.863805	Y
5	IC 200-185958/9	2.5	2.12358	1.25	514239.0	0.849432	Y
6	IC 200-185958/10	10.0	8.611447	1.25	478582.0	0.861145	Y



Calibration

/ Perfluorodecanesulfonic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

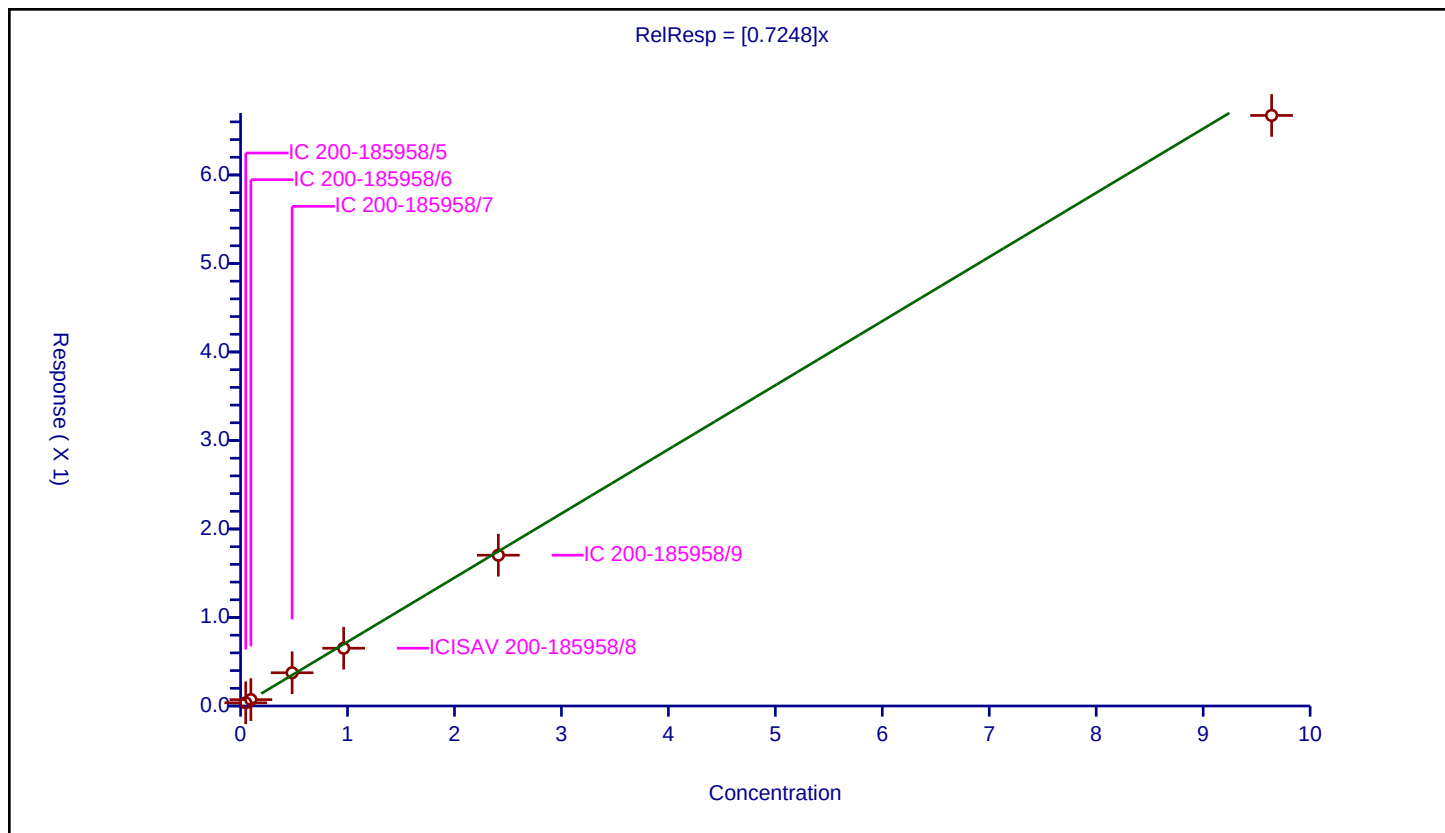
Curve Coefficients

Intercept: 0
 Slope: 0.7248

Error Coefficients

Standard Error: 2590000
 Relative Standard Error: 5.4
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.0482	0.036026	1.195	989045.0	0.747427	Y
2	IC 200-185958/6	0.0964	0.071876	1.195	1010315.0	0.745605	Y
3	IC 200-185958/7	0.482	0.375663	1.195	1035061.0	0.779383	Y
4	ICISAV 200-185958/8	0.964	0.652643	1.195	967441.0	0.677016	Y
5	IC 200-185958/9	2.41	1.703873	1.195	1049764.0	0.707001	Y
6	IC 200-185958/10	9.64	6.672602	1.195	993714.0	0.692179	Y



Calibration

/ Perfluoroundecanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

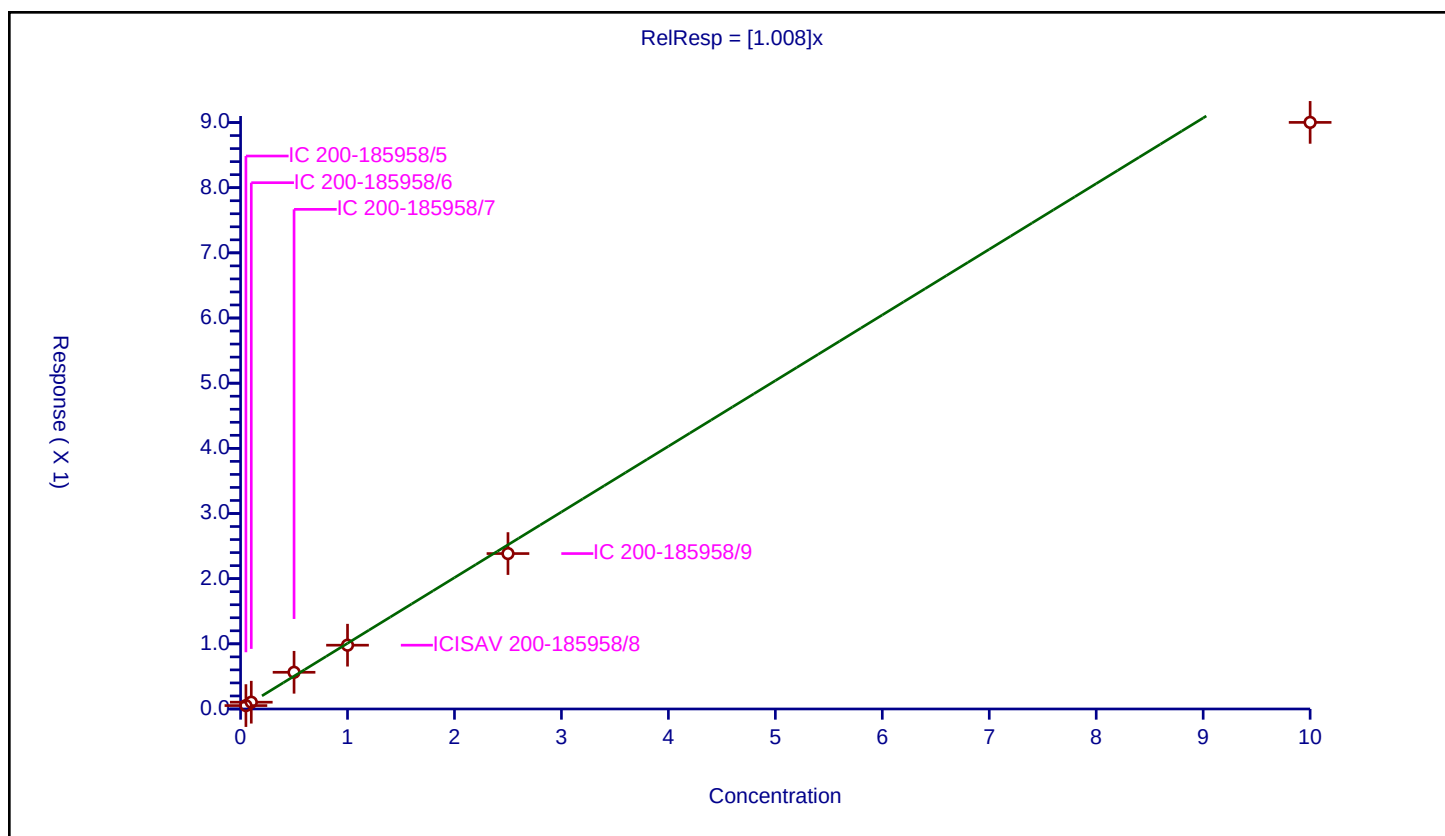
Curve Coefficients

Intercept: 0
 Slope: 1.008

Error Coefficients

Standard Error: 6680000
 Relative Standard Error: 7.9
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.05	0.052323	1.25	2191050.0	1.04645	Y
2	IC 200-185958/6	0.1	0.104069	1.25	2119319.0	1.040688	Y
3	IC 200-185958/7	0.5	0.563221	1.25	2230172.0	1.126441	Y
4	ICISAV 200-185958/8	1.0	0.97893	1.25	2183949.0	0.97893	Y
5	IC 200-185958/9	2.5	2.385205	1.25	2259671.0	0.954082	Y
6	IC 200-185958/10	10.0	9.002235	1.25	1967361.0	0.900224	Y



Calibration

/ N-ethylperfluorooctanesulfonamidoacetic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

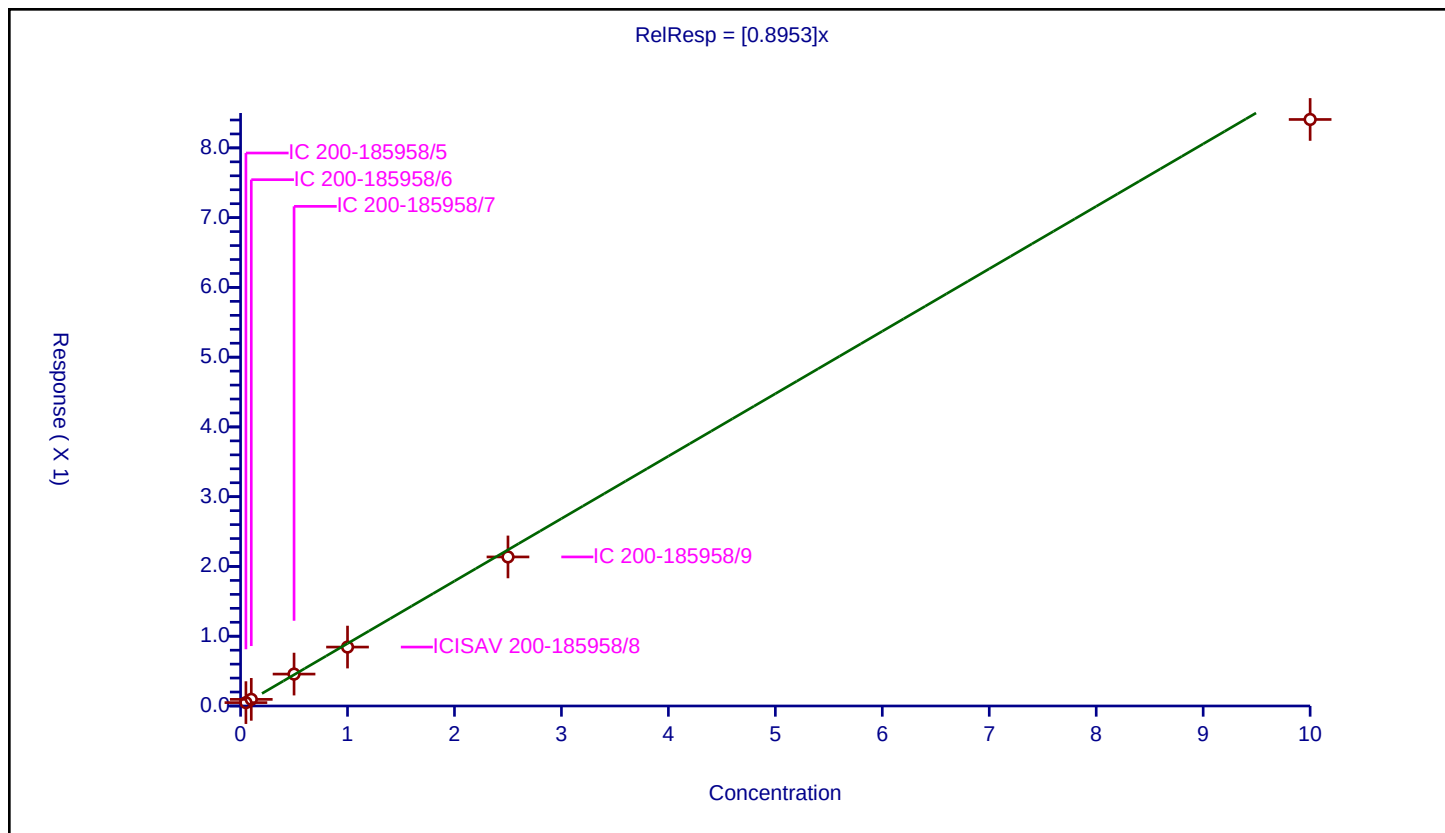
Curve Coefficients

Intercept: 0
 Slope: 0.8953

Error Coefficients

Standard Error: 1400000
 Relative Standard Error: 6.2
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.05	0.048292	1.25	453643.0	0.965848	Y
2	IC 200-185958/6	0.1	0.095082	1.25	481823.0	0.950816	Y
3	IC 200-185958/7	0.5	0.457326	1.25	498173.0	0.914652	Y
4	ICISAV 200-185958/8	1.0	0.844741	1.25	460360.0	0.844741	Y
5	IC 200-185958/9	2.5	2.136762	1.25	496655.0	0.854705	Y
6	IC 200-185958/10	10.0	8.407446	1.25	444955.0	0.840745	Y



Calibration

/ 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

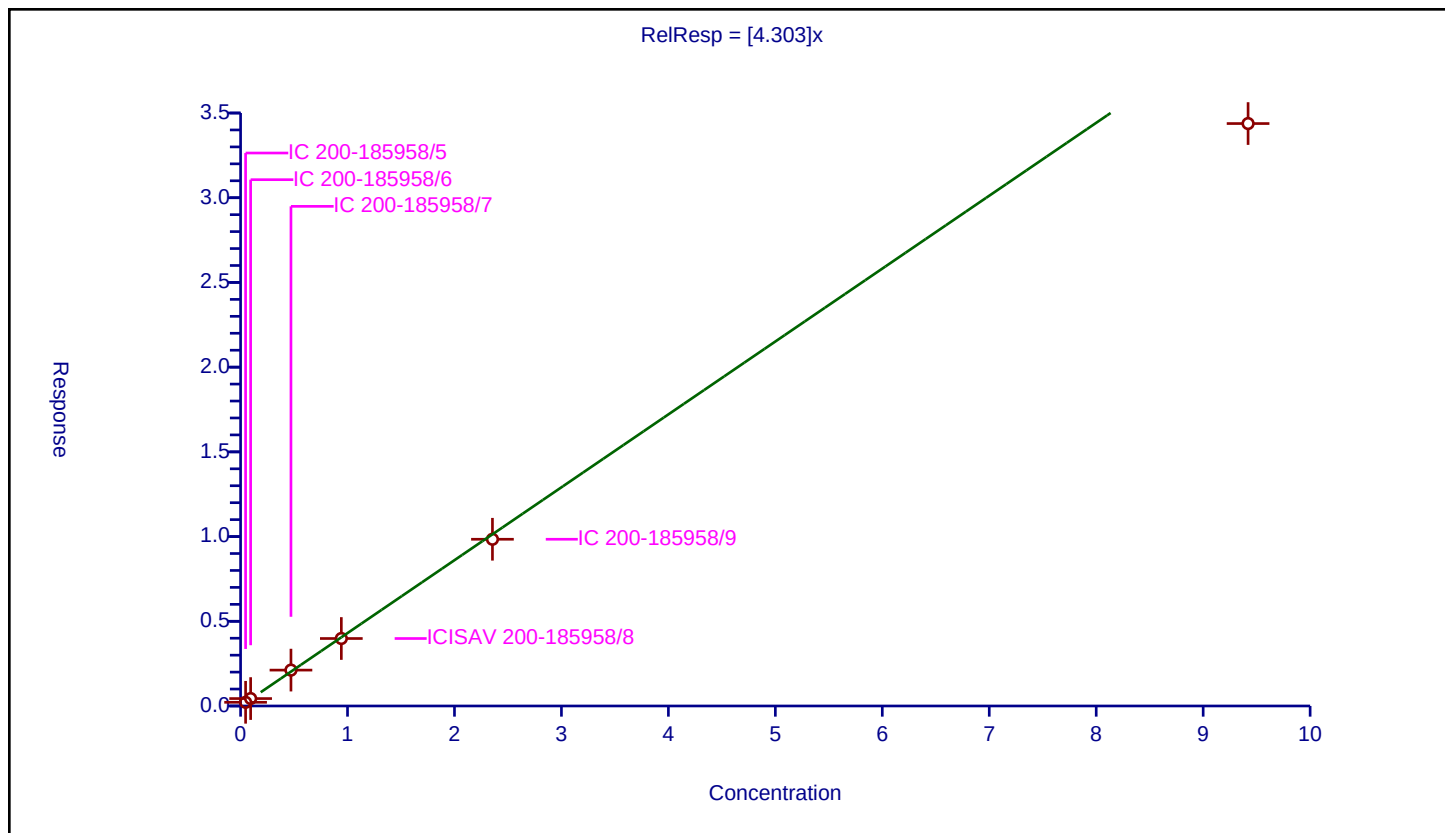
Curve Coefficients

Intercept: 0
 Slope: 4.303

Error Coefficients

Standard Error: 13500000
 Relative Standard Error: 8.7
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.0471	0.217404	1.195	989045.0	4.615796	Y
2	IC 200-185958/6	0.0942	0.437852	1.195	1010315.0	4.648113	Y
3	IC 200-185958/7	0.471	2.1174	1.195	1035061.0	4.495542	Y
4	ICISAV 200-185958/8	0.942	3.982746	1.195	967441.0	4.227968	Y
5	IC 200-185958/9	2.355	9.840794	1.195	1049764.0	4.178681	Y
6	IC 200-185958/10	9.42	34.378522	1.195	993714.0	3.649525	Y



Calibration

/ Perfluorododecanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

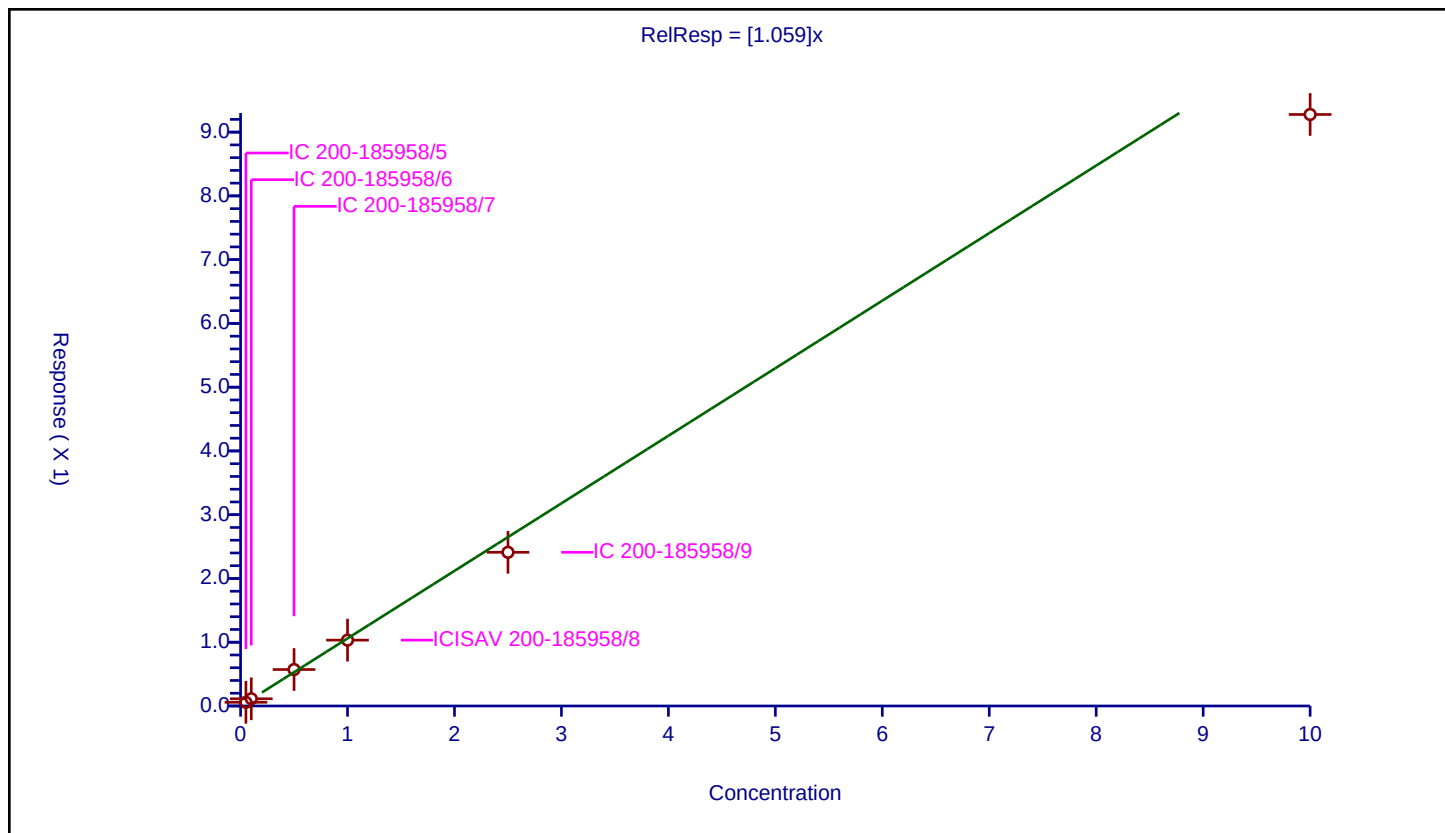
Curve Coefficients

Intercept: 0
 Slope: 1.059

Error Coefficients

Standard Error: 7330000
 Relative Standard Error: 9.3
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.05	0.057802	1.25	2180352.0	1.15604	Y
2	IC 200-185958/6	0.1	0.11325	1.25	2150435.0	1.132498	Y
3	IC 200-185958/7	0.5	0.571786	1.25	2245926.0	1.143573	Y
4	ICISAV 200-185958/8	1.0	1.032719	1.25	2161023.0	1.032719	Y
5	IC 200-185958/9	2.5	2.410578	1.25	2344331.0	0.964231	Y
6	IC 200-185958/10	10.0	9.277066	1.25	2103698.0	0.927707	Y



Calibration

/ 1H,1H,2H,2H-perfluorododecanesulfonic acid (10:2)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

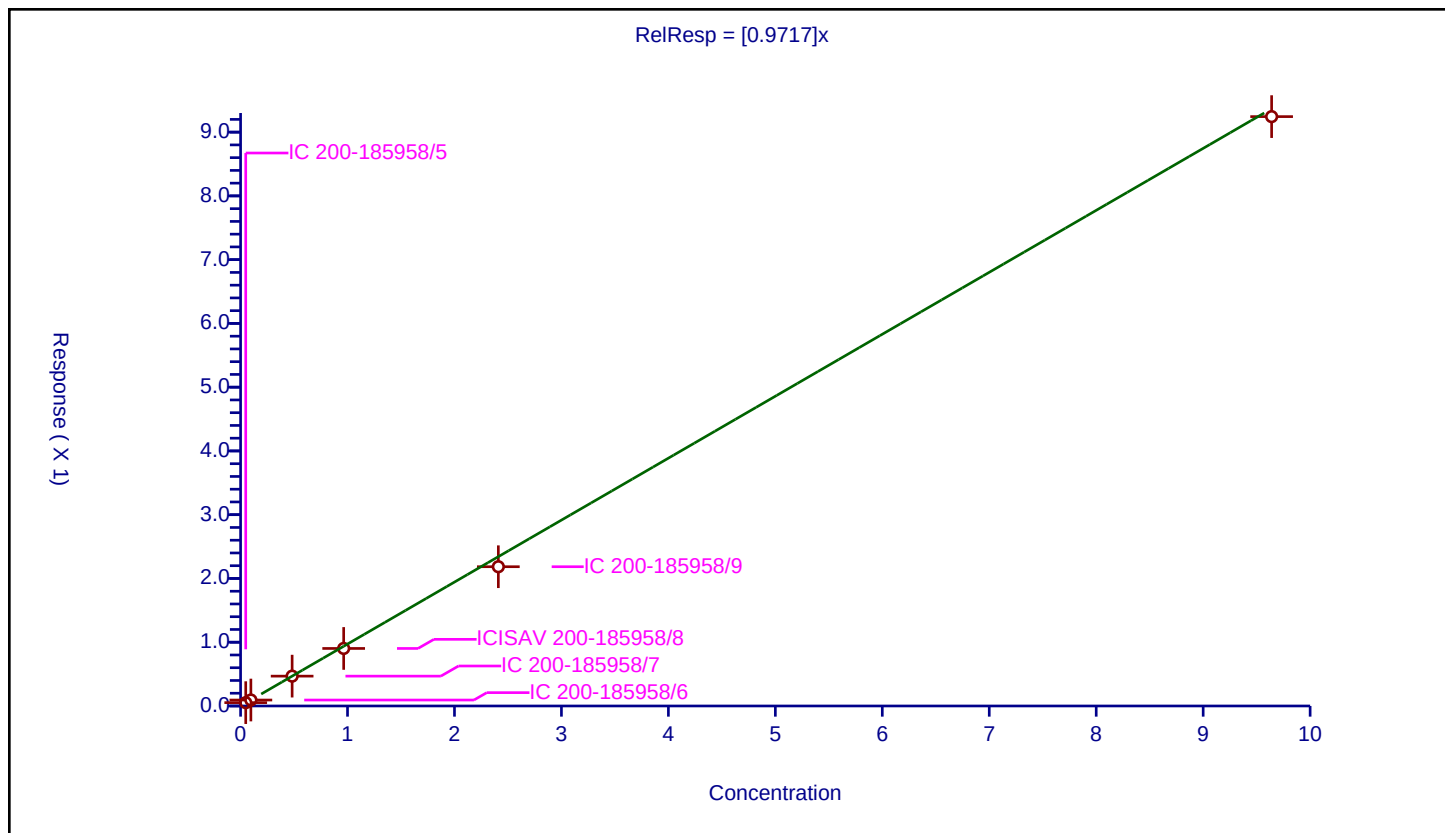
Curve Coefficients

Intercept: 0
 Slope: 0.9717

Error Coefficients

Standard Error: 999000
 Relative Standard Error: 6.3
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.0482	0.052377	1.1975	306939.0	1.086653	Y
2	IC 200-185958/6	0.0964	0.093562	1.1975	307241.0	0.970557	Y
3	IC 200-185958/7	0.482	0.468291	1.1975	321045.0	0.971558	Y
4	ICISAV 200-185958/8	0.964	0.902429	1.1975	300249.0	0.93613	Y
5	IC 200-185958/9	2.41	2.184386	1.1975	321188.0	0.906384	Y
6	IC 200-185958/10	9.64	9.24351	1.1975	277266.0	0.95887	Y



Calibration

/ Perfluorododecanesulfonic acid (PFDoS)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

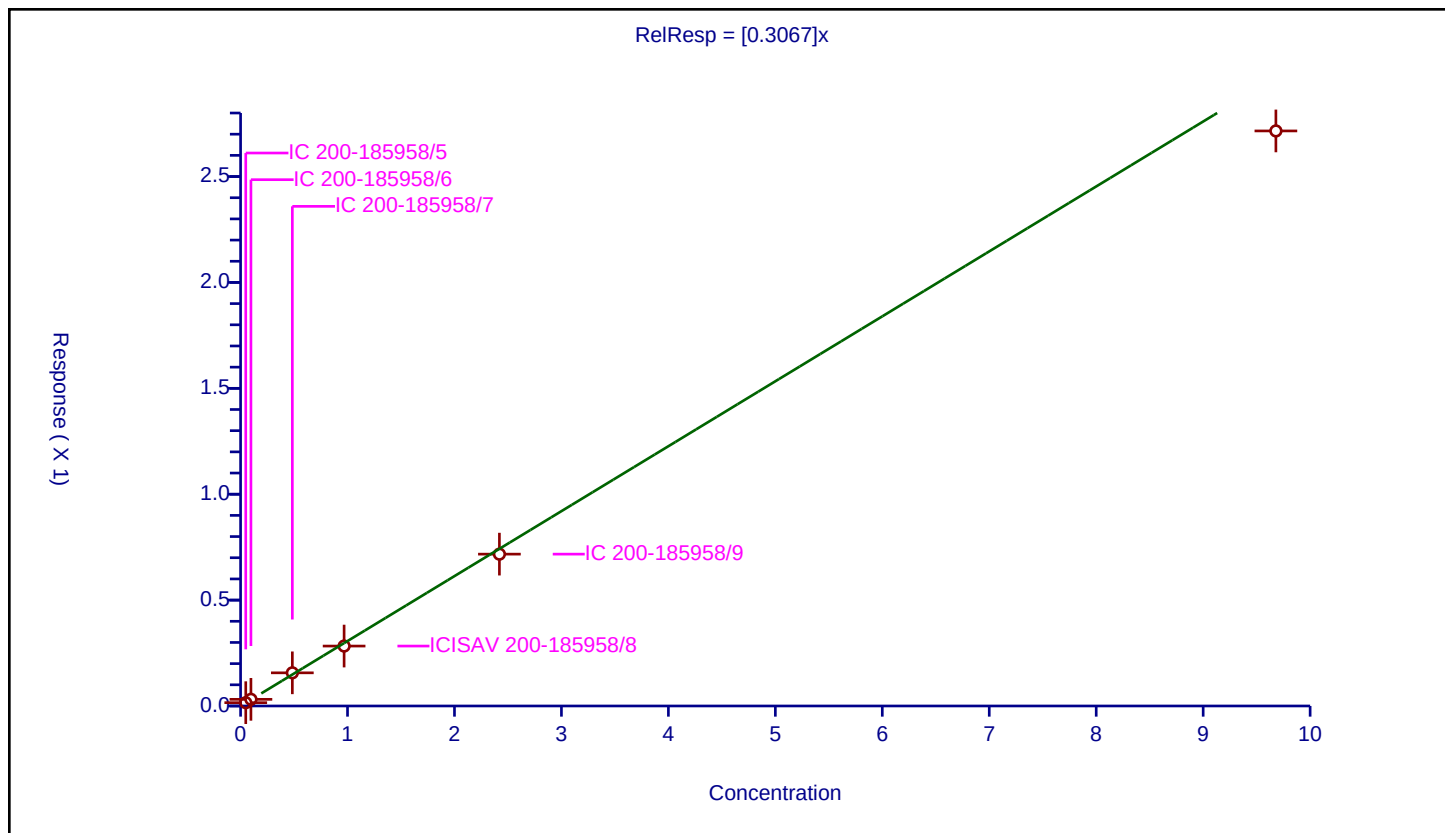
Curve Coefficients

Intercept: 0
Slope: 0.3067

Error Coefficients

Standard Error: 1060000
Relative Standard Error: 6.3
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.0484	0.015619	1.195	989045.0	0.322704	Y
2	IC 200-185958/6	0.0968	0.031406	1.195	1010315.0	0.324439	Y
3	IC 200-185958/7	0.484	0.156619	1.195	1035061.0	0.323593	Y
4	ICISAV 200-185958/8	0.968	0.283004	1.195	967441.0	0.29236	Y
5	IC 200-185958/9	2.42	0.717039	1.195	1049764.0	0.296297	Y
6	IC 200-185958/10	9.68	2.715386	1.195	993714.0	0.280515	Y



Calibration

/ Perfluorotridecanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

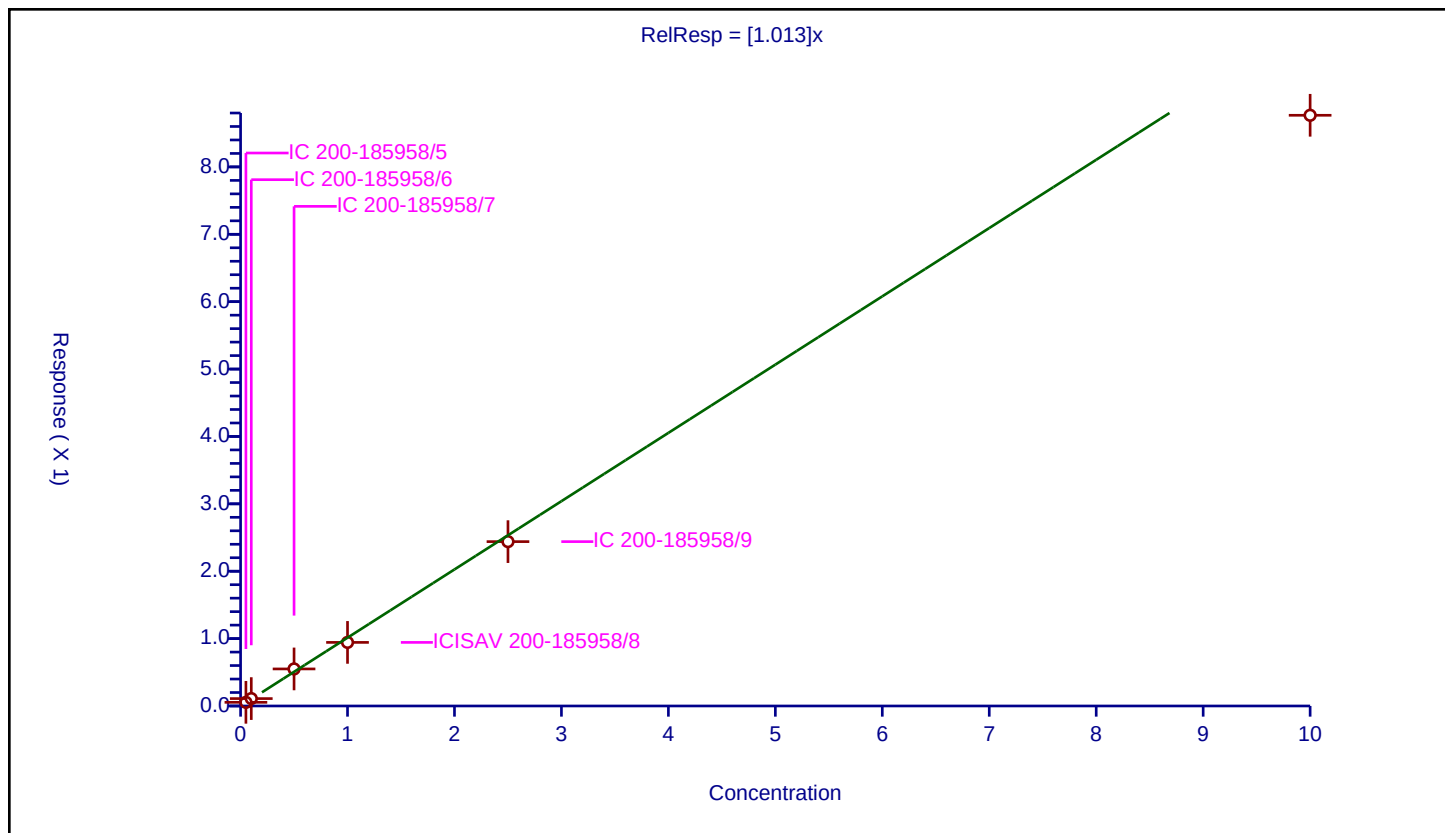
Curve Coefficients

Intercept: 0
 Slope: 1.013

Error Coefficients

Standard Error: 6960000
 Relative Standard Error: 9.3
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.05	0.05424	1.25	2180352.0	1.084802	Y
2	IC 200-185958/6	0.1	0.109896	1.25	2150435.0	1.098958	Y
3	IC 200-185958/7	0.5	0.549705	1.25	2245926.0	1.099411	Y
4	ICISAV 200-185958/8	1.0	0.943826	1.25	2161023.0	0.943826	Y
5	IC 200-185958/9	2.5	2.439331	1.25	2344331.0	0.975733	Y
6	IC 200-185958/10	10.0	8.7664	1.25	2103698.0	0.87664	Y



Calibration

/ Perfluorotetradecanoic acid

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: IsoDil
Response Base: AREA
RF Rounding: 0

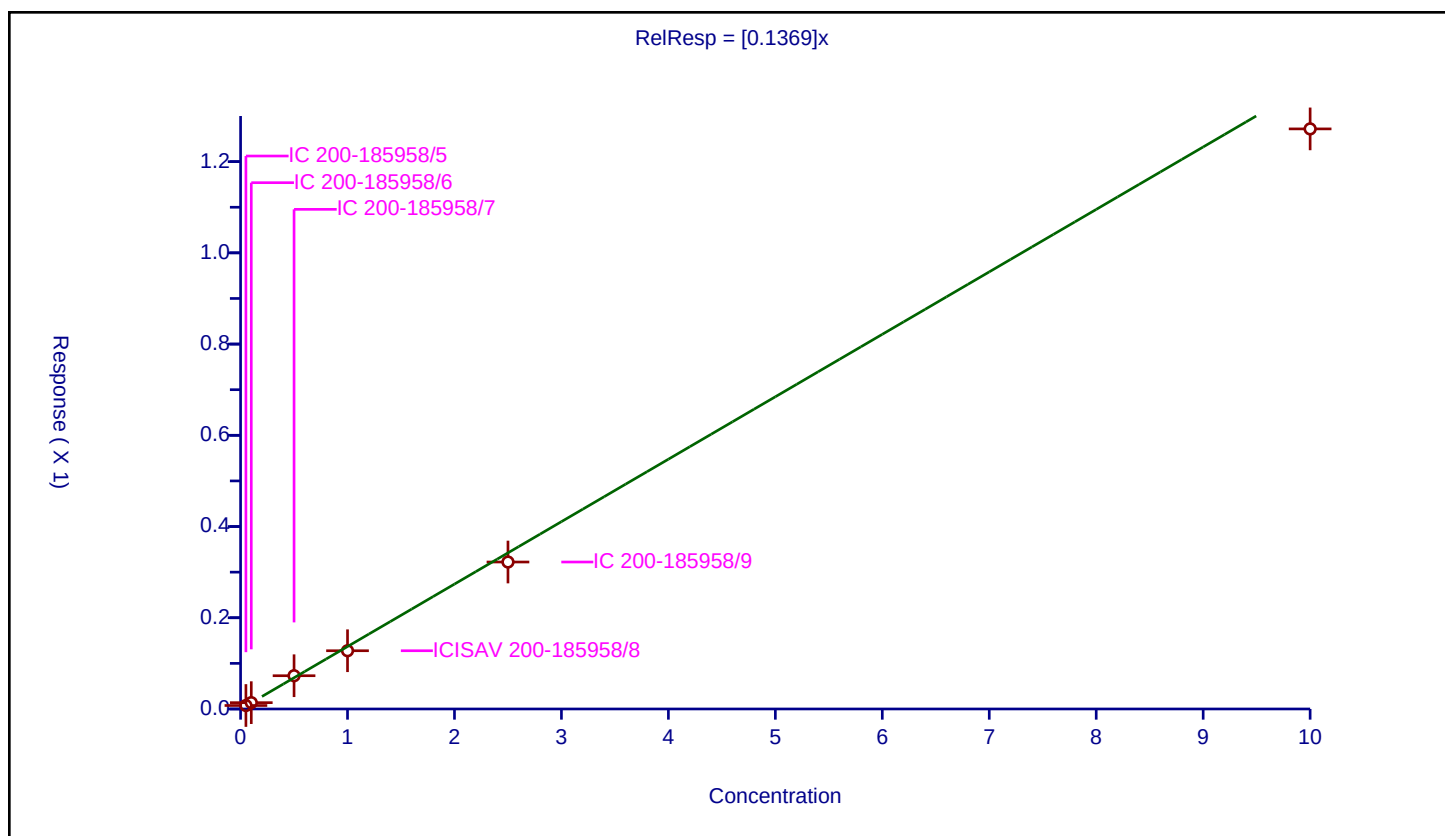
Curve Coefficients

Intercept: 0
Slope: 0.1369

Error Coefficients

Standard Error: 849000
Relative Standard Error: 7.8
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.05	0.007633	1.25	1883348.0	0.152654	Y
2	IC 200-185958/6	0.1	0.01391	1.25	1938056.0	0.139102	Y
3	IC 200-185958/7	0.5	0.072927	1.25	1947280.0	0.145853	Y
4	ICISAV 200-185958/8	1.0	0.127733	1.25	1844360.0	0.127733	Y
5	IC 200-185958/9	2.5	0.322232	1.25	2014799.0	0.128893	Y
6	IC 200-185958/10	10.0	1.271781	1.25	1782548.0	0.127178	Y



Calibration

/ Perfluorohexadecanoic acid

Curve Type: Linear
 Weighting: Conc
 Origin: None
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

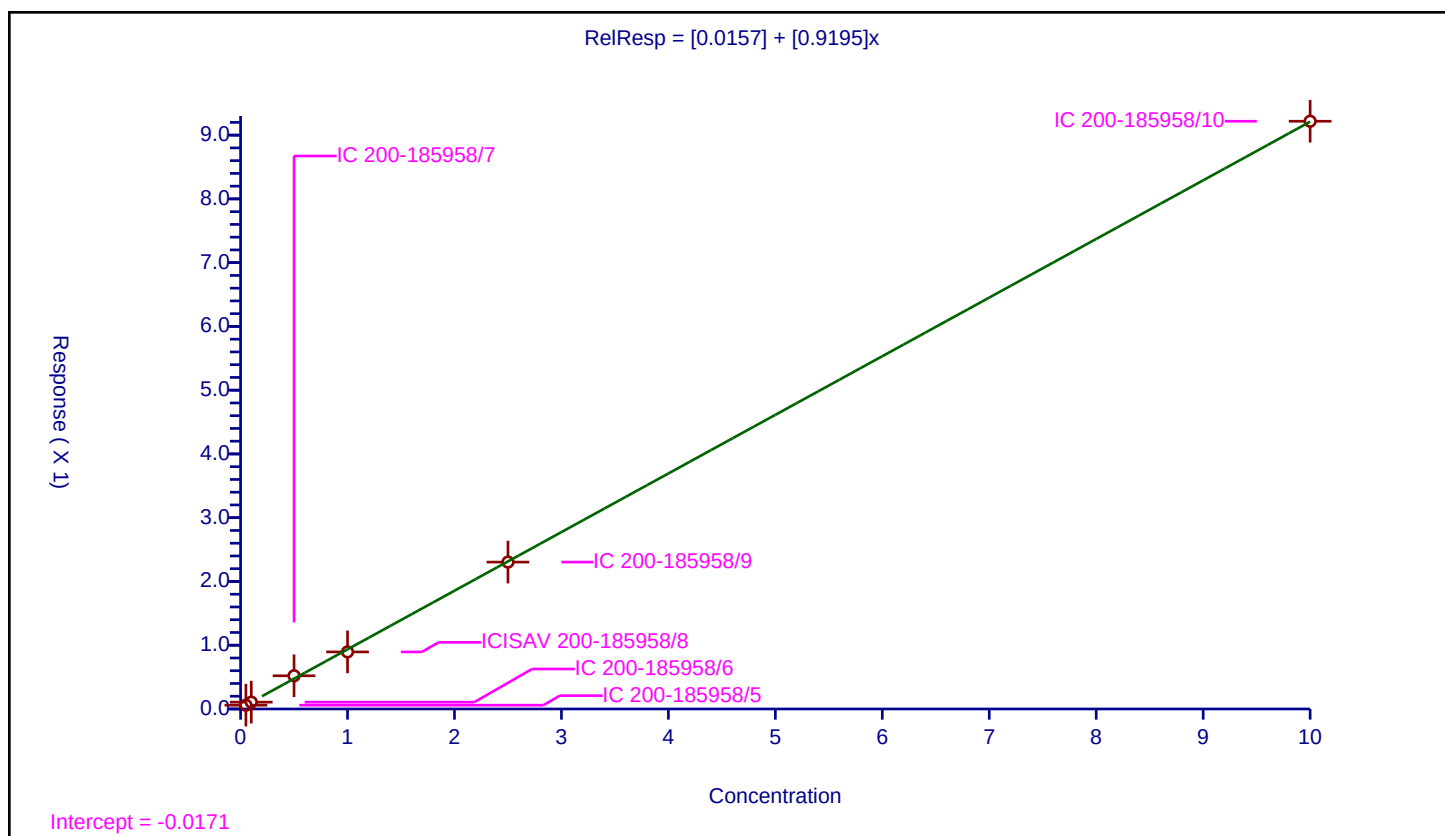
Curve Coefficients

Intercept: 0.0157
 Slope: 0.9195

Error Coefficients

Standard Error: 8460000
 Relative Standard Error: 5.9
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.05	0.059483	1.25	2380608.0	1.189665	Y
2	IC 200-185958/6	0.1	0.107268	1.25	2401907.0	1.072684	Y
3	IC 200-185958/7	0.5	0.521042	1.25	2348434.0	1.042085	Y
4	ICISAV 200-185958/8	1.0	0.895292	1.25	2280992.0	0.895292	Y
5	IC 200-185958/9	2.5	2.303983	1.25	2500657.0	0.921593	Y
6	IC 200-185958/10	10.0	9.21816	1.25	2191999.0	0.921816	Y



Calibration

/ Perfluorooctadecanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

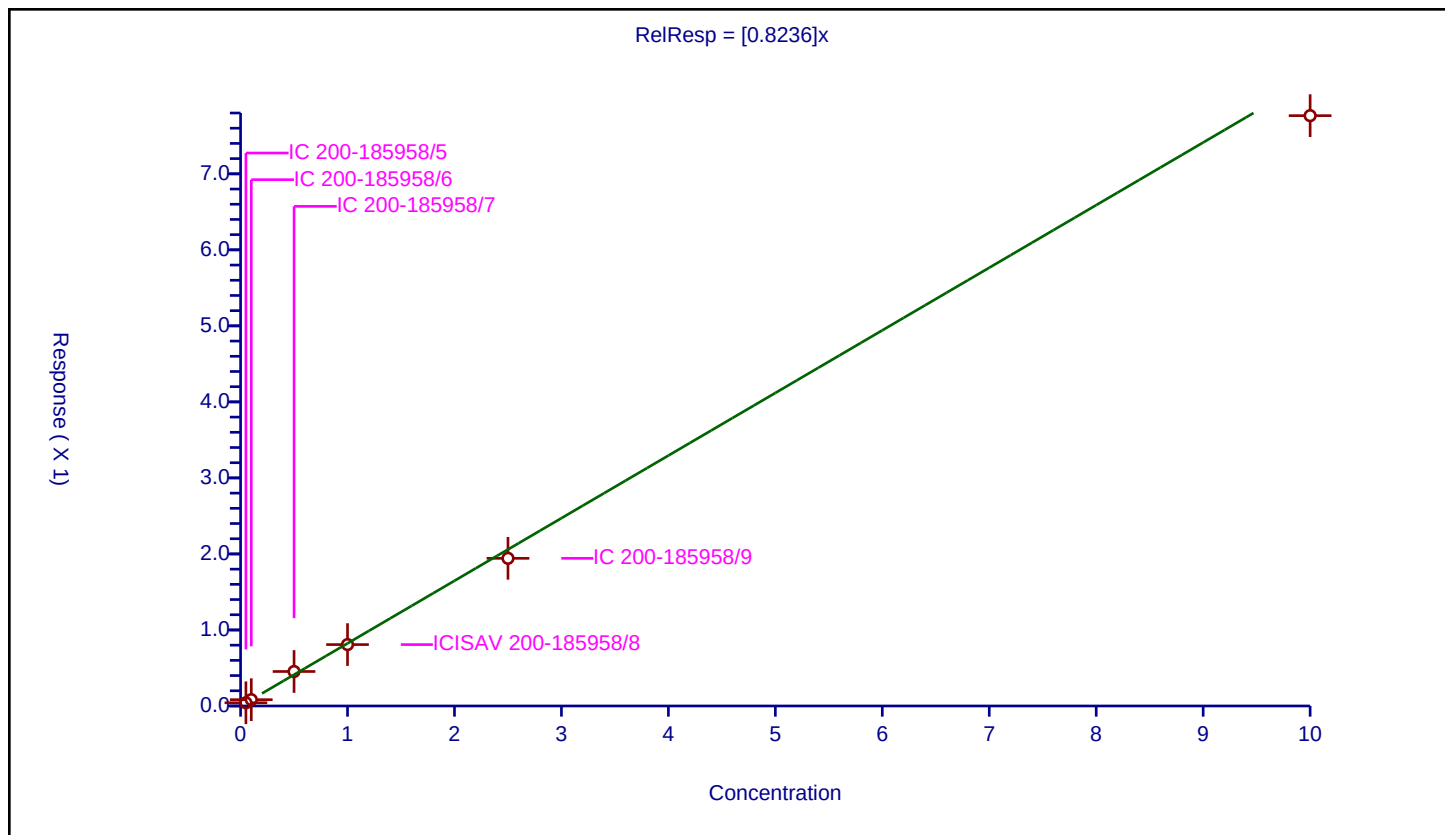
Curve Coefficients

Intercept: 0
 Slope: 0.8236

Error Coefficients

Standard Error: 6380000
 Relative Standard Error: 6.0
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-185958/5	0.05	0.0422	1.25	2380608.0	0.843997	Y
2	IC 200-185958/6	0.1	0.082935	1.25	2401907.0	0.829346	Y
3	IC 200-185958/7	0.5	0.453549	1.25	2348434.0	0.907098	Y
4	ICISAV 200-185958/8	1.0	0.807566	1.25	2280992.0	0.807566	Y
5	IC 200-185958/9	2.5	1.942487	1.25	2500657.0	0.776995	Y
6	IC 200-185958/10	10.0	7.765225	1.25	2191999.0	0.776522	Y



FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-271302-1

SDG No.: _____

Lab Sample ID: ICV 200-185958/12 Calibration Date: 11/18/2022 15:27

Instrument ID: LC812 Calib Start Date: 11/18/2022 14:29

GC Column: C-18 ID: 4.60 (mm) Calib End Date: 11/18/2022 15:10

Lab File ID: PA221118ICAL12.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	1.031	1.051		1.02	1.00	1.9	30.0
Perfluoropentanoic acid (PFPeA)	AveID	1.090	1.160		1.08	1.01	6.4	30.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.144	1.119		0.978	1.00	-2.2	30.0
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	3.081	3.259		1.06	1.00	5.8	30.0
Perfluorohexanoic acid (PFHxA)	AveID	1.090	1.094		1.01	1.01	0.4	30.0
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.335	1.467		1.10	1.00	9.8	30.0
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.056	1.116		1.07	1.01	5.7	30.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.129	1.181		1.06	1.01	4.6	30.0
Perfluoroheptanoic acid (PFHpA)	AveID	1.089	1.047		0.962	1.00	-3.8	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	5.507	5.802		1.05	1.00	5.4	30.0
6:2 FTS	L1ID		2.267		1.06	1.00	6.1	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.397	1.443		1.03	1.00	3.3	30.0
Perfluorooctanoic acid (PFOA)	AveID	1.069	1.093		1.02	1.00	2.3	30.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.216	1.026		0.852	1.01	-15.7	30.0
Perfluorononanoic acid (PFNA)	AveID	1.037	1.136		1.10	1.00	9.5	30.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	AveID	2.791	2.843		1.02	1.00	1.9	30.0
Perfluorononanesulfonic acid (PFNS)	AveID	0.9179	0.9153		1.01	1.01	-0.3	30.0
Perfluorodecanoic acid (PFDA)	AveID	1.084	1.085		1.00	1.00	0.0	30.0
8:2 FTS	AveID	1.617	1.762		1.10	1.01	9.0	30.0
Perfluorooctanesulfonamide (FOSA)	AveID	1.045	1.021		0.977	1.00	-2.3	30.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	L1ID		0.9586		1.10	1.00	10.3	30.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.7248	0.7477		1.04	1.01	3.2	30.0
Perfluoroundecanoic acid (PFUnA)	AveID	1.008	0.9695		0.962	1.00	-3.8	30.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.8953	0.9331		1.04	1.00	4.2	30.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF)	AveID	4.303	4.451		1.04	1.00	3.5	30.0
Perfluorododecanoic acid (PFDoA)	AveID	1.059	1.035		0.977	1.00	-2.3	30.0
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	AveID	0.9717	0.8818		0.875	0.964	-9.3	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.3067	0.2712		0.856	0.968	-11.6	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-271302-1
 SDG No.: _____
 Lab Sample ID: ICV 200-185958/12 Calibration Date: 11/18/2022 15:27
 Instrument ID: LC812 Calib Start Date: 11/18/2022 14:29
 GC Column: C-18 ID: 4.60 (mm) Calib End Date: 11/18/2022 15:10
 Lab File ID: PA221118ICAL12.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorotridecanoic acid (PFTriA)	AveID	1.013	0.9240		0.912	1.00	-8.8	30.0
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1369	0.1516		1.11	1.00	10.7	30.0
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		0.8295		0.885	1.00	-11.5	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.8236	0.7059		0.857	1.00	-14.3	30.0
13C4 PFBA	Ave	1.122	0.9202		1.03	1.25	-18.0	50.0
13C5 PFPeA	Ave	0.8543	0.7101		1.04	1.25	-16.9	50.0
13C3 PFBS	Ave	0.9281	0.7971		0.998	1.16	-14.1	50.0
M2-4:2 FTS	Ave	0.0820	0.0686		0.977	1.17	-16.3	50.0
13C2 PFHxA	Ave	0.8951	0.7748		1.08	1.25	-13.4	50.0
13C3 HFPO-DA	Ave	0.1580	0.1330		1.05	1.25	-15.8	50.0
18O2 PFHxS	Ave	0.6761	0.5654		0.989	1.18	-16.4	50.0
13C4 PFHpA	Ave	0.9206	0.7694		1.05	1.25	-16.4	50.0
M2-6:2 FTS	Ave	0.1134	0.0945		0.989	1.19	-16.7	50.0
13C4 PFOA	Ave	1.035	0.8655		1.05	1.25	-16.4	50.0
13C4 PFOS	Ave	0.4588	0.3894		1.01	1.20	-15.1	50.0
13C5 PFNA	Ave	1.006	0.8541		1.06	1.25	-15.1	50.0
13C2 PFDA	Ave	1.025	0.9007		1.10	1.25	-12.1	50.0
M2-8:2 FTS	Ave	0.1387	0.1166		1.01	1.20	-16.0	50.0
13C8 FOSA	Ave	0.8403	0.7085		1.05	1.25	-15.7	50.0
d3-NMeFOSAA	Ave	0.2087	0.1754		1.05	1.25	-15.9	50.0
13C2 PFUnA	Ave	0.9385	0.7727		1.03	1.25	-17.7	50.0
d5-NEtFOSAA	Ave	0.2055	0.1778		1.08	1.25	-13.5	50.0
13C2 PFDoA	Ave	0.9562	0.8116		1.06	1.25	-15.1	50.0
13C2 PFTeDA	Ave	0.8270	0.7097		1.07	1.25	-14.2	50.0
13C2 PFHxDA	Ave	1.022	0.9092		1.11	1.25	-11.1	50.0

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 18-Nov-2022 15:27:08 ALS Bottle#: 9 Worklist Smp#: 12
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: ICV
 Misc. Info.: 200-0053396-012 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist:

Method: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 21-Nov-2022 08:34:01 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1621

First Level Reviewer: Z1IP Date: 18-Nov-2022 15:40:06

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										M
217.00 > 172.00	2.076	2.076	0.0	0.602	2670376	1.03		82.0	5679	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.076	2.076	0.0	1.000	2244563	1.02			201	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.387	2.387	0.0	0.692	2060643	1.04		83.1	4220	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.387	2.387	0.0	1.000	1931131	1.07			51.6	M
D 47 13C3 PFBS										
301.90 > 80.00	2.400	2.400	0.0	0.696	2151403	1.00		85.9	366569	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.400	2.400	0.0	1.000	2070709	0.9780	Target=2.09		2506	M
298.90 > 99.00	2.400	2.400	0.0	1.000	975791		2.12(1.04-3.13)		774	
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.701	2.689	0.012	1.000	519266	1.06			2152	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.701	2.689	0.012	0.783	186032	0.9770		83.7	221	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.725	2.725	0.0	0.790	2248529	1.08		86.6	4586	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.725	2.725	0.0	1.000	1986916	1.01	Target=14.25		367	M
313.00 > 119.00	2.725	2.725	0.0	1.000	140975		14.09(7.12-21.37)		245	M
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.737	2.737	0.0	0.887	1925334	1.10	Target=3.04		2369	M
349.00 > 99.00	2.737	2.737	0.0	0.887	614001		3.14(1.52-4.56)		1153	
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.835	2.835	0.0	1.000	348107	1.07			2459	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.835	2.835	0.0	0.822	385915	1.05		84.2	3630	
D 11 18O2 PFHxS										
403.00 > 84.00	3.088	3.088	0.0	0.896	1552107	0.9887		83.6	4490	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.088	3.088	0.0	1.000	1565688	1.06	Target=3.66		1350	M
399.00 > 99.00	3.088	3.088	0.0	1.000	416511		3.76(1.83-5.49)		495	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.099	3.099	0.0	0.899	2232924	1.04		83.6	5810	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.099	3.099	0.0	1.000	1870498	0.9617	Target=3.97		389	
363.00 > 169.00	3.099	3.099	0.0	1.000	511272		3.66(1.98-5.95)		1195	
77 DONA										
377.00 > 251.00	3.132	3.132	0.0	0.832	5246009	1.05	Target=3.16		4174	
377.00 > 85.00	3.132	3.132	0.0	0.832	1647134		3.18(1.58-4.73)		2385	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.439	3.439	0.0	0.997	260442	0.9894		83.3	864	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.439	3.439	0.0	1.000	497227	1.06			1080	M
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.439	3.439	0.0	0.914	1304864	1.03	Target=5.14		2018	M
449.00 > 99.00	3.439	3.439	0.0	0.914	252176		5.17(2.57-7.72)		1072	M
D 14 13C4 PFOA										
417.00 > 372.00	3.448	3.448	0.0	1.000	2511617	1.05		83.6	5014	
* 62 13C2 PFOA										
415.00 > 370.00	3.448	3.448	0.0		2902090	1.25			4497	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.448	3.448	0.0	1.000	2197145	1.02	Target=2.79		168	M
413.00 > 169.00	3.448	3.448	0.0	1.000	773803		2.84(1.40-4.19)		836	M
D 18 13C4 PFOS										
503.00 > 80.00	3.764	3.764	0.0	1.092	1080464	1.01		84.9	3142	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.764	3.764	0.0	1.000	936613	0.8518	Target=5.11		242	M
499.00 > 99.00	3.764	3.764	0.0	1.000	204498		4.58(2.55-7.66)		186	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.783	3.783	0.0	1.000	2253063	1.10	Target=8.55		488	
463.00 > 169.00	3.783	3.783	0.0	1.000	255525		8.82(4.28-12.83)		1449	
D 19 13C5 PFNA										
468.00 > 423.00	3.783	3.783	0.0	1.097	2478667	1.06		84.9	10218	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.928	3.928	0.0	1.044	2570823	1.02			4667	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.061	4.050	0.011	1.079	835829	1.01	Target=2.53		3263	
549.00 > 99.00	4.061	4.050	0.011	1.079	326669		2.56(1.27-3.80)		1661	
D 23 13C2 PFDA										
515.00 > 470.00	4.081	4.081	0.0	1.184	2613997	1.10		87.9	7780	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.081	4.081	0.0	1.000	2269026	1.00	Target=10.26		791	M
513.00 > 169.00	4.081	4.081	0.0	1.000	227346		9.98(5.13-15.38)		386	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.093	4.093	0.0	1.187	324039	1.01		84.0	1254	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.093	4.093	0.0	1.000	481604	1.10			1586	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.150	4.150	0.0	1.000	1679557	0.9774			2056	
D 21 13C8 FOSA										M
506.00 > 78.00	4.150	4.150	0.0	1.204	2056044	1.05		84.3	1897	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.228	4.228	0.0	1.226	509127	1.05		84.1	760	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.238	4.228	0.010	1.002	390455	1.10			500	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.331	4.331	0.0	1.151	682801	1.04	Target=2.51		3633	
599.00 > 99.00	4.331	4.331	0.0	1.151	261561		2.61(1.25-3.76)		1945	
D 30 13C2 PFUnA										
565.00 > 520.00	4.353	4.353	0.0	1.263	2242424	1.03		82.3	3383	
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.353	4.353	0.0	1.000	1739241	0.9620	Target=9.88		468	M
563.00 > 169.00	4.353	4.353	0.0	1.000	177599		9.79(4.94-14.82)		266	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.376	4.365	0.011	1.003	385250	1.04			836	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.365	4.365	0.0	1.266	516078	1.08		86.5	1182	
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.454	4.454	0.0	1.183	4024467	1.03			8552	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.591	4.591	0.0	1.000	1949526	0.9766	Target=7.77		130	M
613.00 > 169.00	4.602	4.591	0.011	1.002	268146		7.27(3.89-11.66)		673	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.591	4.591	0.0	1.332	2355331	1.06		84.9	2733	
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.612	4.612	0.0	1.127	230011	0.8748			916	M
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.776	4.776	0.0	1.269	237361	0.8561	Target=0.50		2013	M
699.00 > 99.00	4.776	4.776	0.0	1.269	476521		0.50(0.25-0.76)		3025	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.813	4.804	0.009	1.048	1741096	0.9120	Target=5.21		114	M
663.00 > 169.00	4.813	4.804	0.009	1.048	325181		5.35(2.60-7.81)		282	M
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.012	5.012	0.0	1.000	249797	1.11	Target=0.89		753	
713.00 > 219.00	5.002	5.012	-0.010	0.998	272856		0.92(0.44-1.33)		351	
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.012	5.012	0.0	1.454	2059701	1.07		85.8	2818	M

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.378	5.367	0.011	1.002	1751027	0.8850	Target=5.65		151	M
813.00 > 169.00	5.378	5.367	0.011	1.002	292027		6.00(2.82-8.47)		1291	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.367	5.367	0.0	1.557	2638658	1.11		88.9	6236	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.722	5.722	0.0	1.066	1490002	0.8570	Target=6.24		142	M
913.00 > 169.00	5.722	5.722	0.0	1.066	233541		6.38(3.12-9.36)		710	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

LCPFAS28NCICV_00012

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d

Injection Date: 18-Nov-2022 15:27:08

Instrument ID: LC812

Lims ID: ICV

Client ID:

Operator ID: lc812tech

ALS Bottle#: 9

Worklist Smp#: 12

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

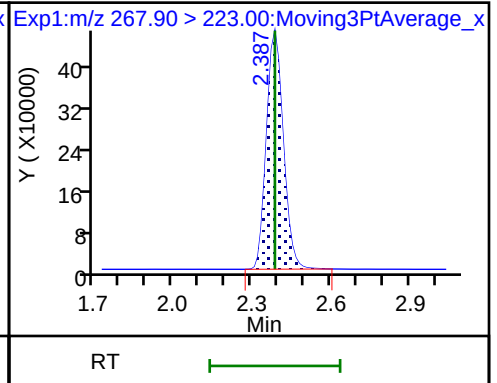
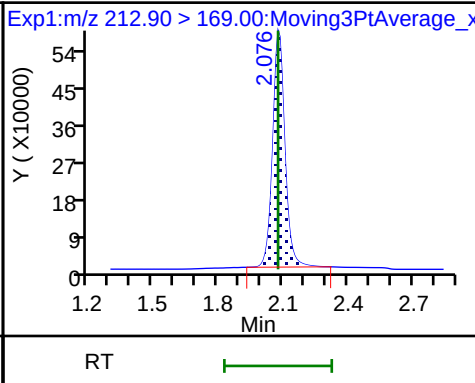
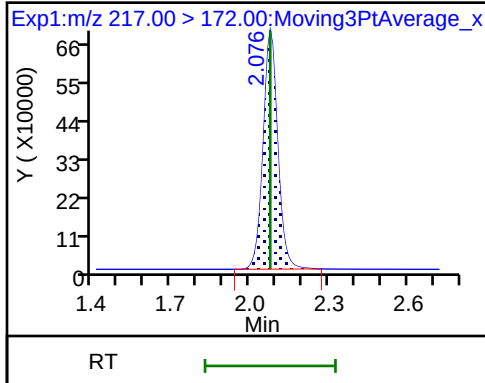
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA (M)

2 Perfluorobutanoic acid (M)

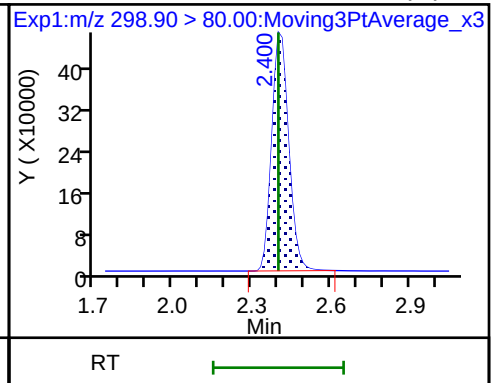
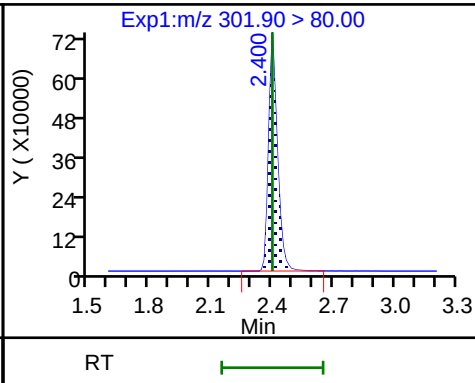
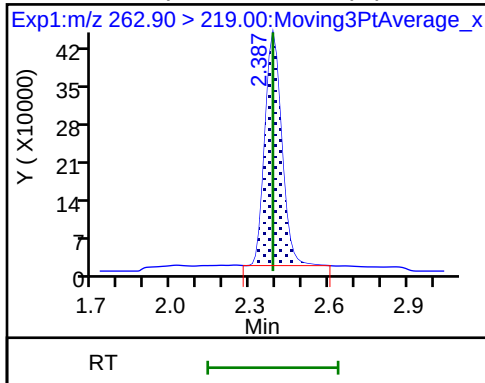
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

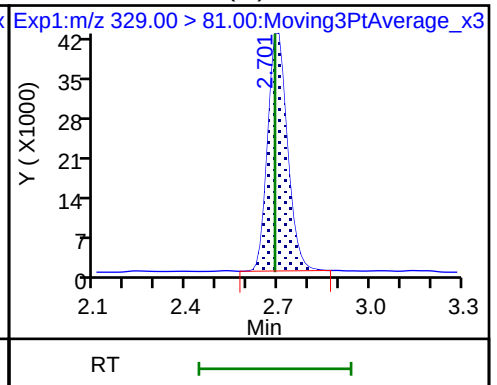
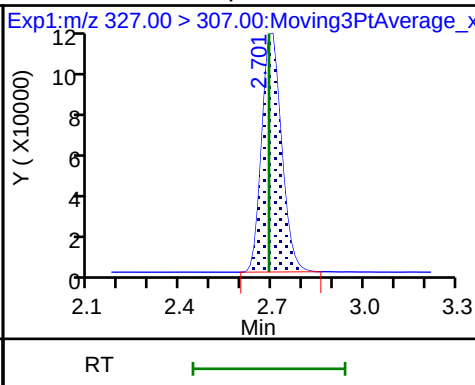
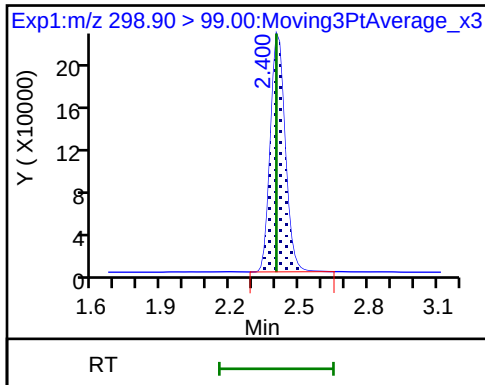
D 47 13C3 PFBS

5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid

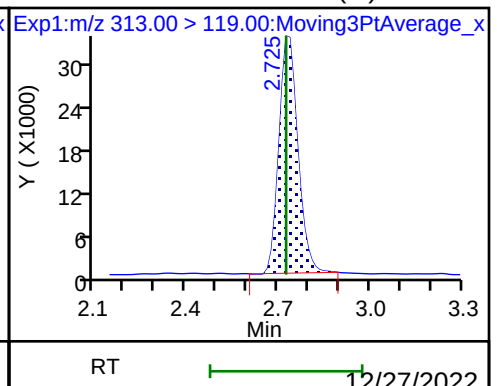
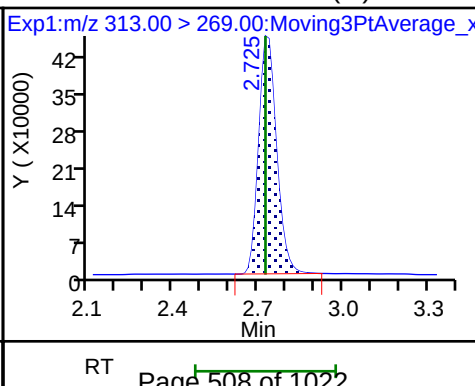
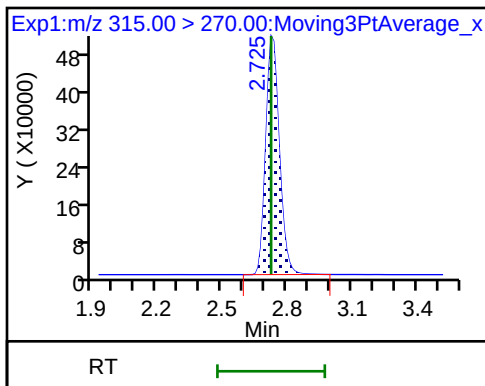
61 1H,1H,2H,2H-perfluorohexanesulfo D 60 M2-4:2 FTS (M)

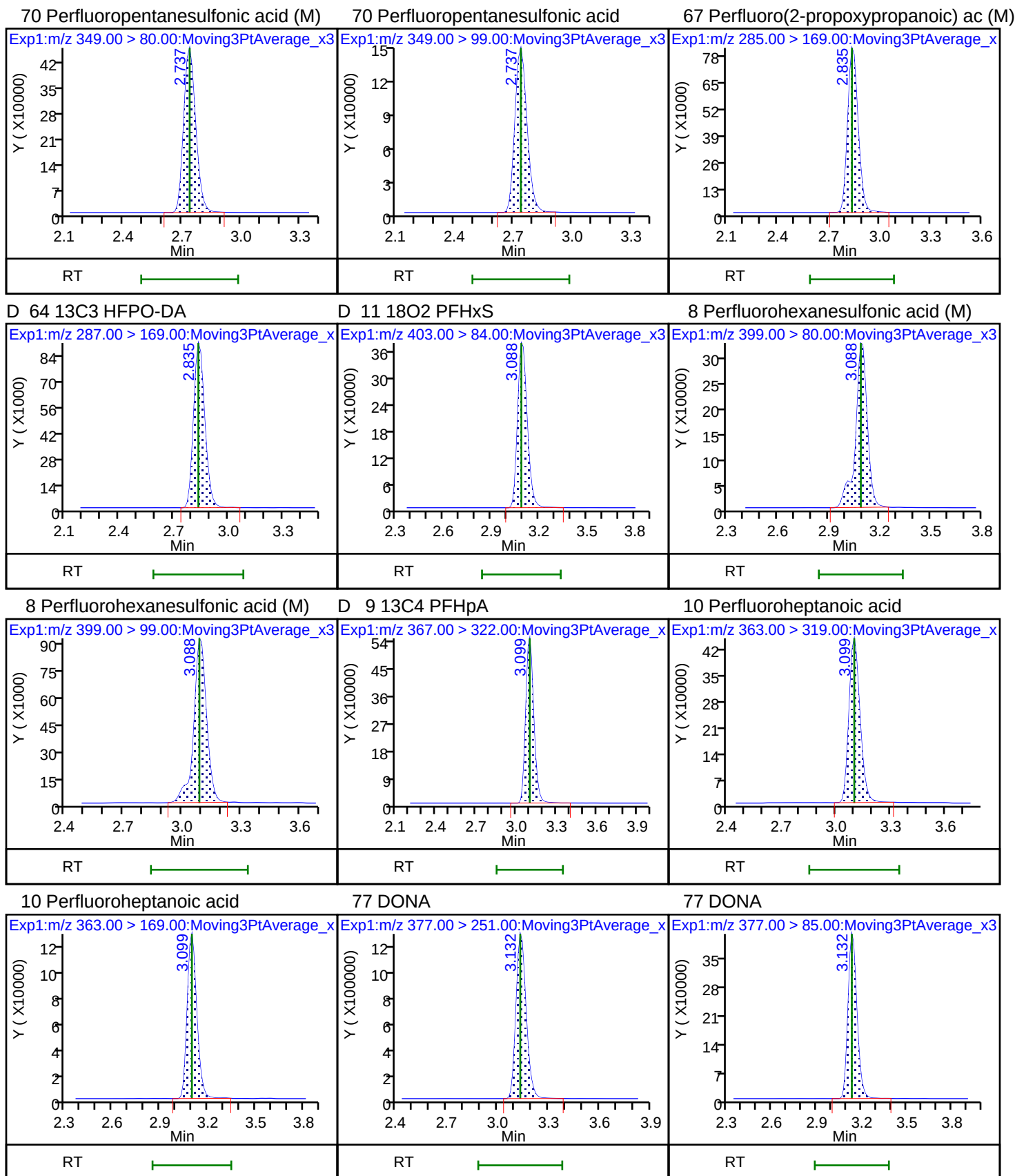


D 7 13C2 PFHxA

6 Perfluorohexanoic acid (M)

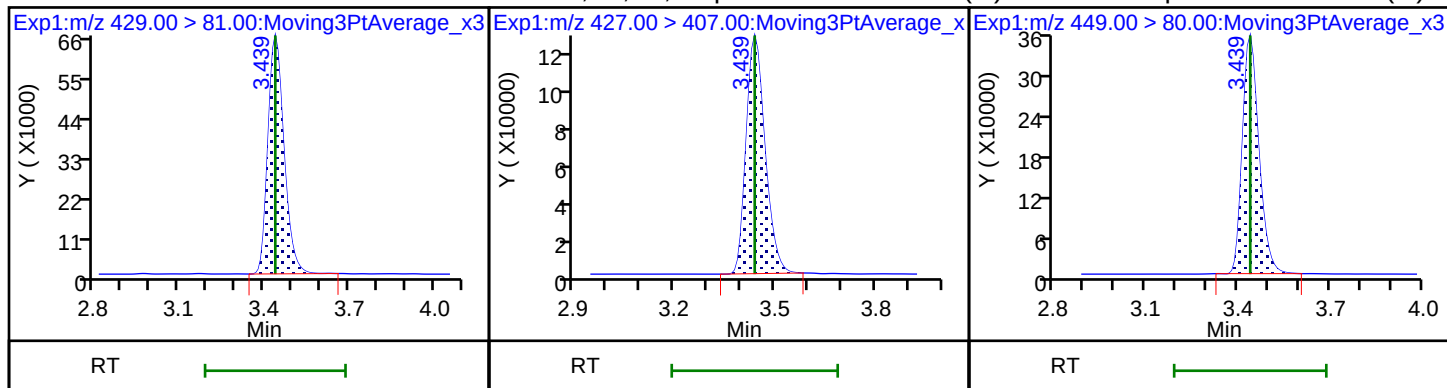
6 Perfluorohexanoic acid (M)





D 12 M2-6:2 FTS

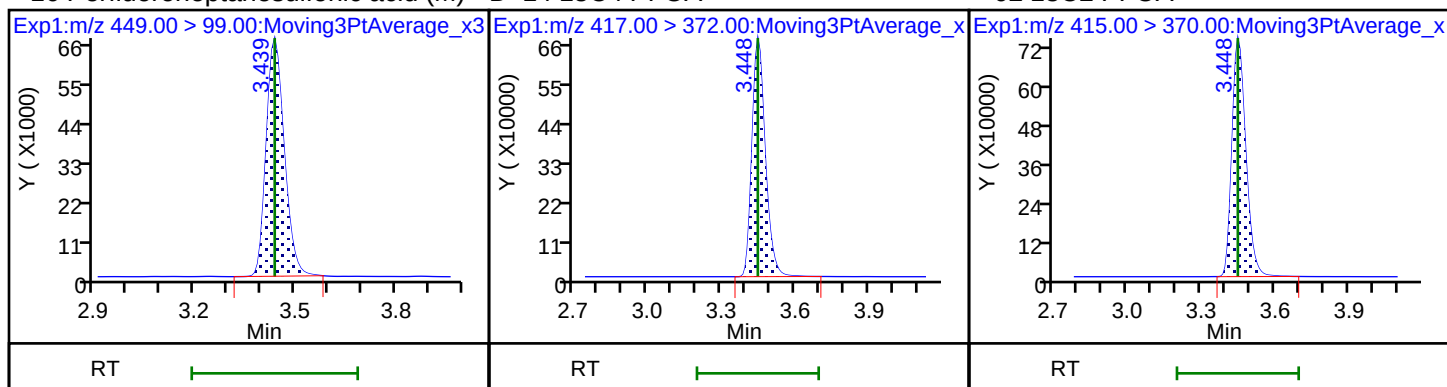
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

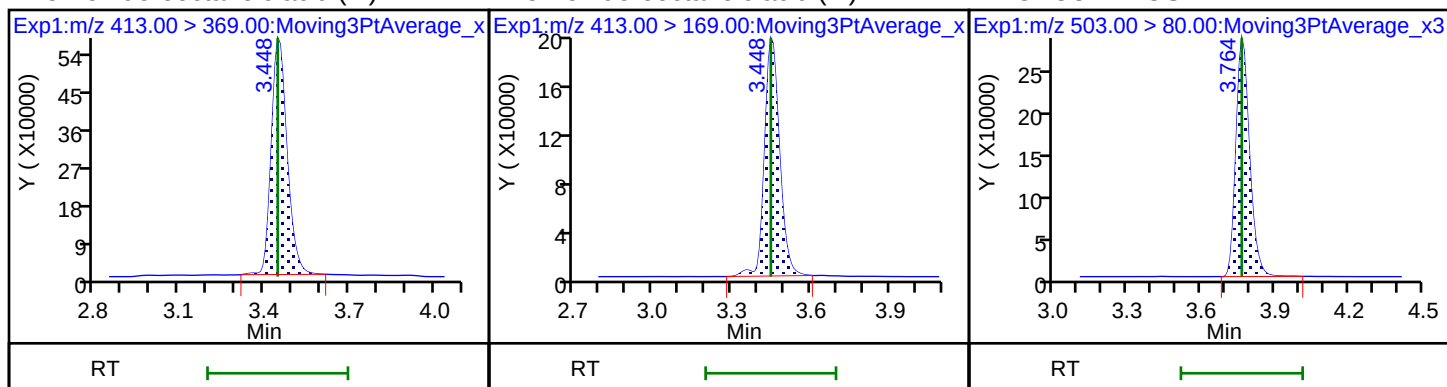
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

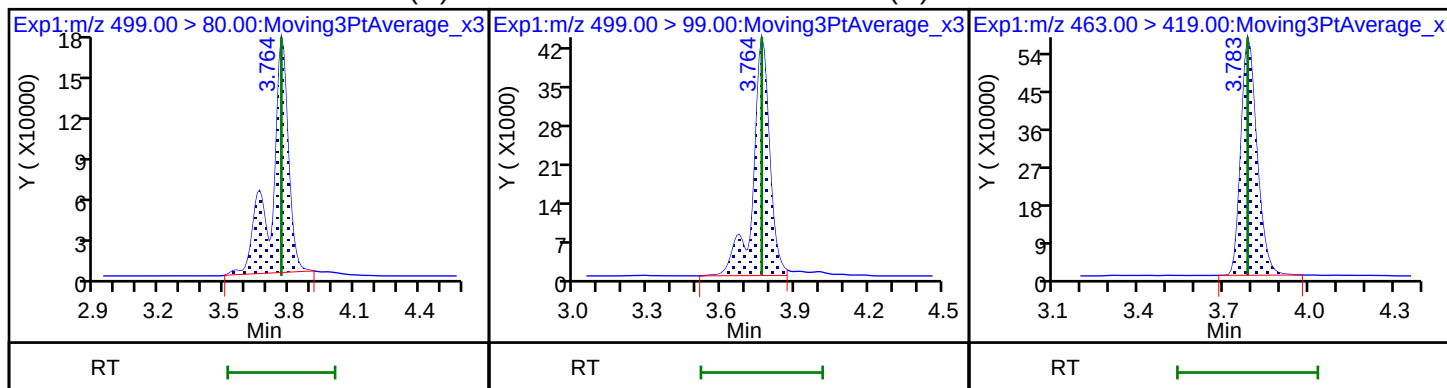
D 18 13C4 PFOS

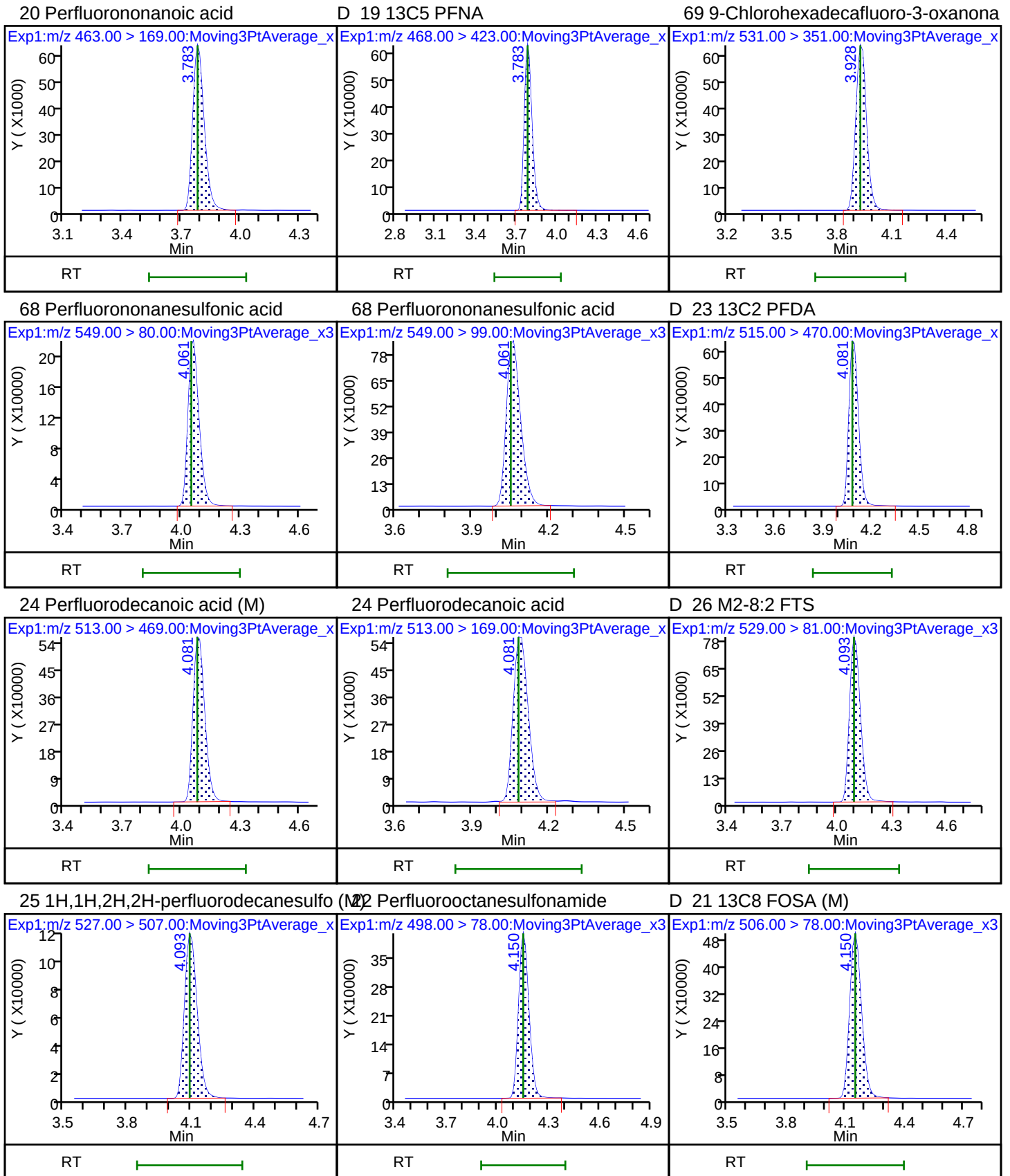


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

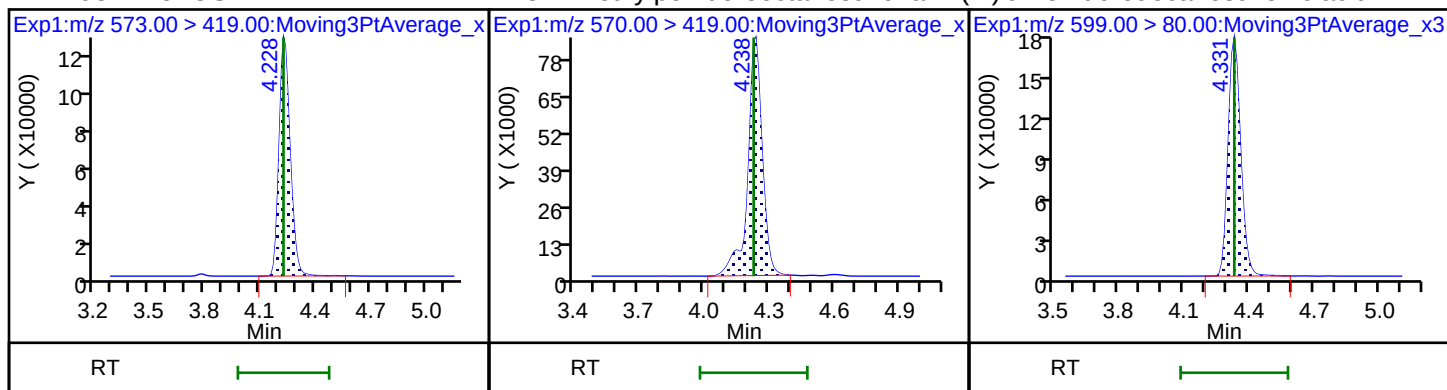
20 Perfluorononanoic acid





D 27 d3-NMeFOSAA

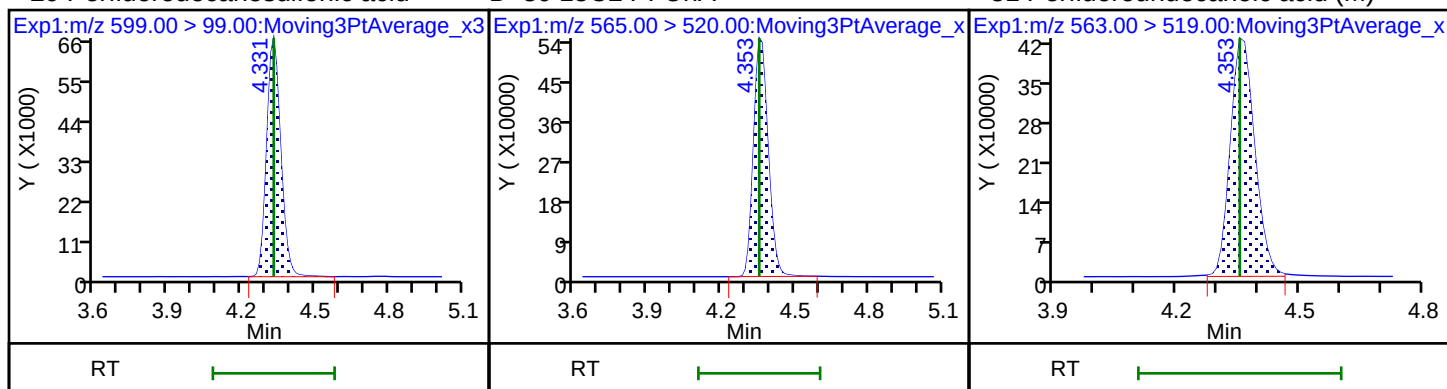
28 N-methylperfluorooctanesulfonami (M) 29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid

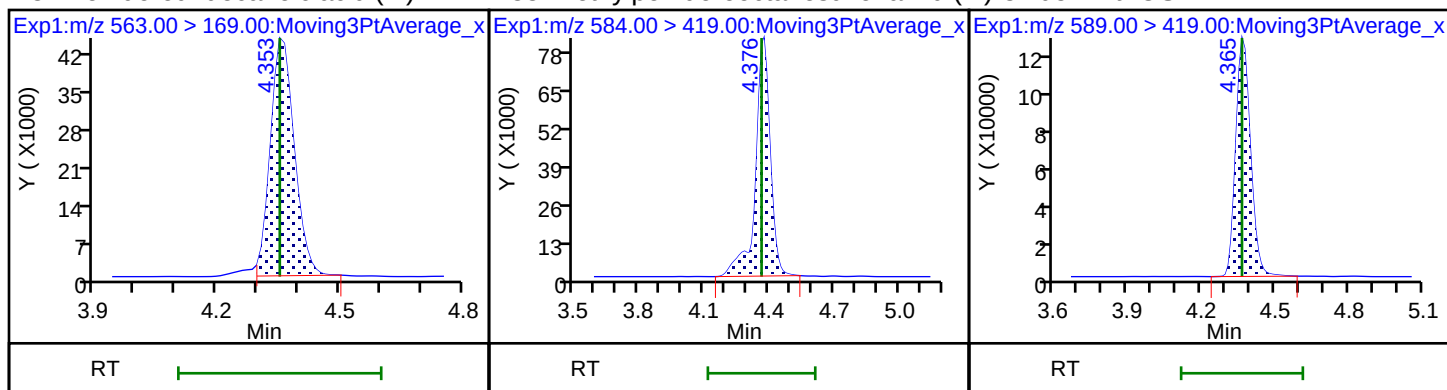
D 30 13C2 PFUa

31 Perfluoroundecanoic acid (M)



31 Perfluoroundecanoic acid (M)

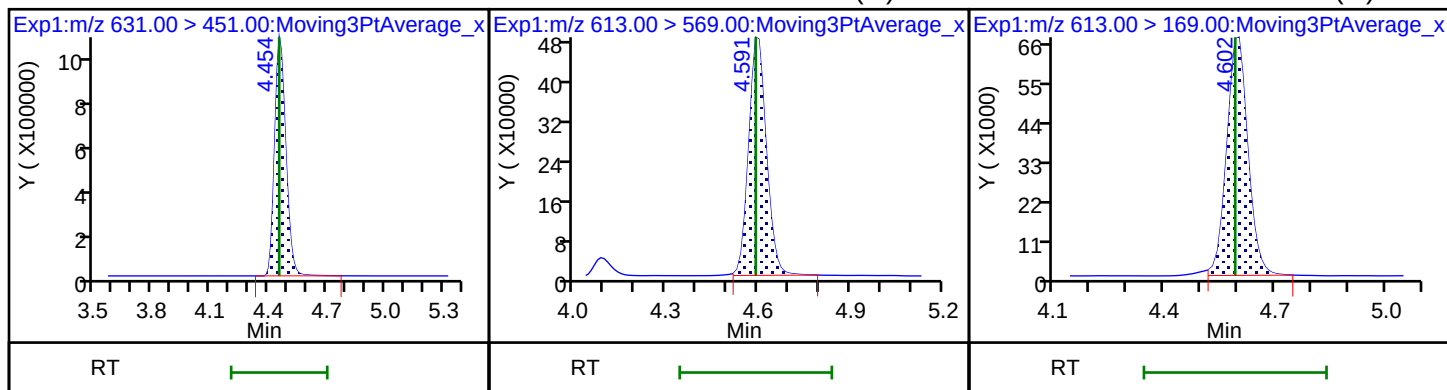
33 N-ethylperfluorooctanesulfonamid (M) 32 d5-NEtFOSAA



66 11-Chloroeicosafluoro-3-oxaundec

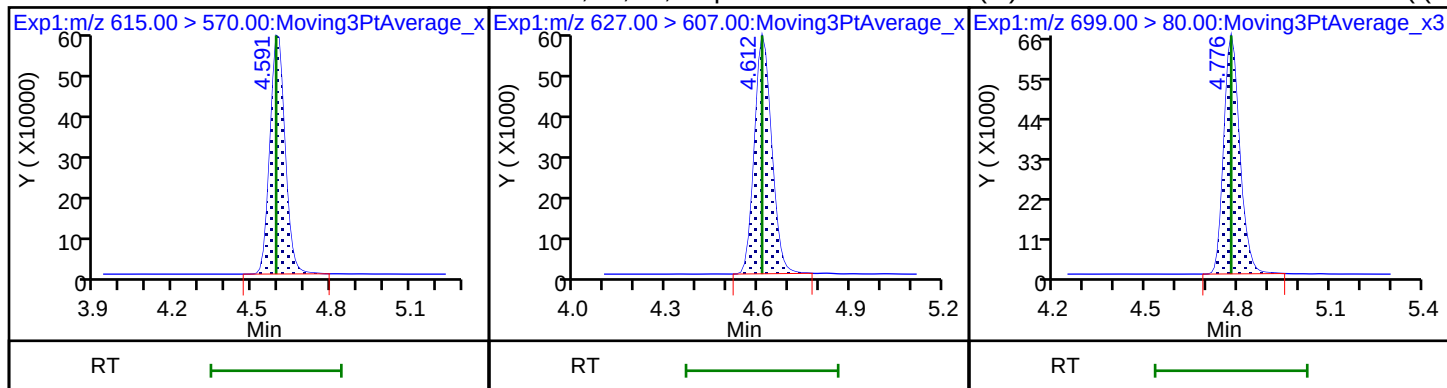
37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid (M)



D 36 13C2 PFDaA

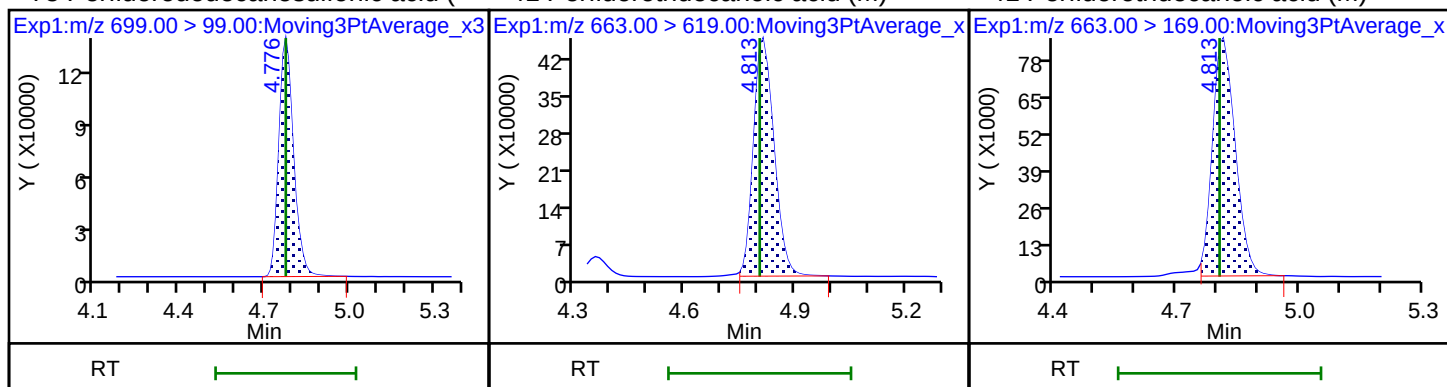
74 1H,1H,2H,2H-perfluorododecanesul (M) 75 Perfluorododecanesulfonic acid (M)



75 Perfluorododecanesulfonic acid (

41 Perfluorotridecanoic acid (M)

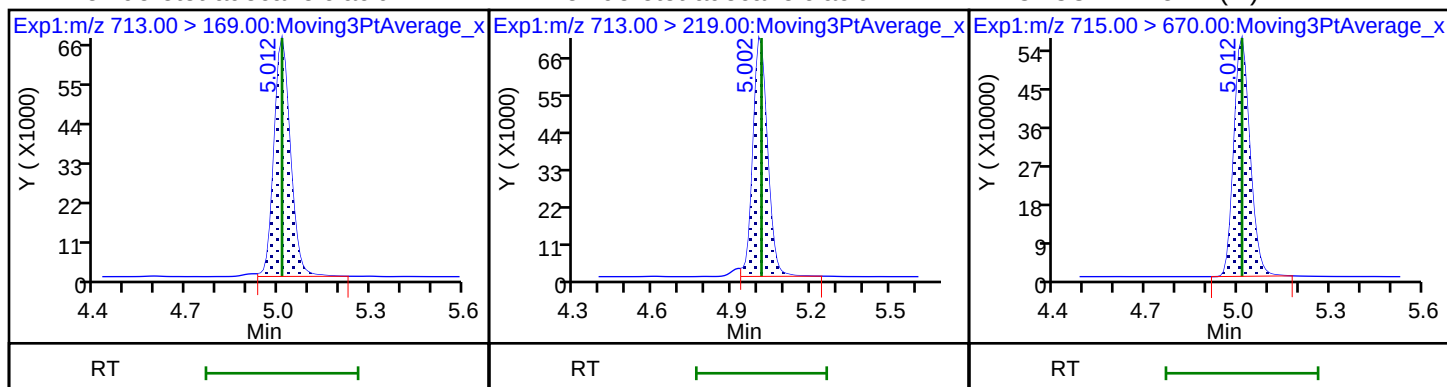
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid

42 Perfluorotetradecanoic acid

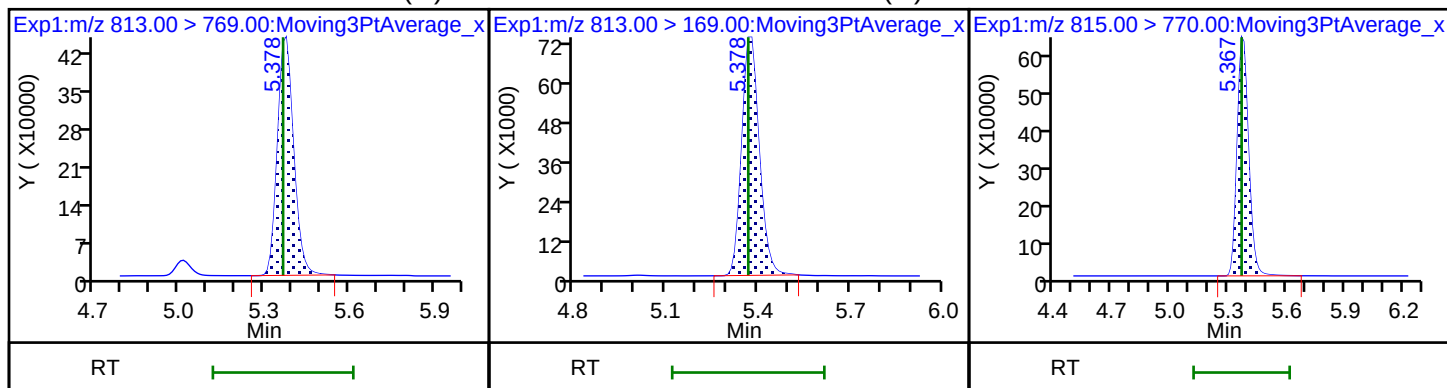
D 43 13C2 PFTeDA (M)



45 Perfluorohexadecanoic acid (M)

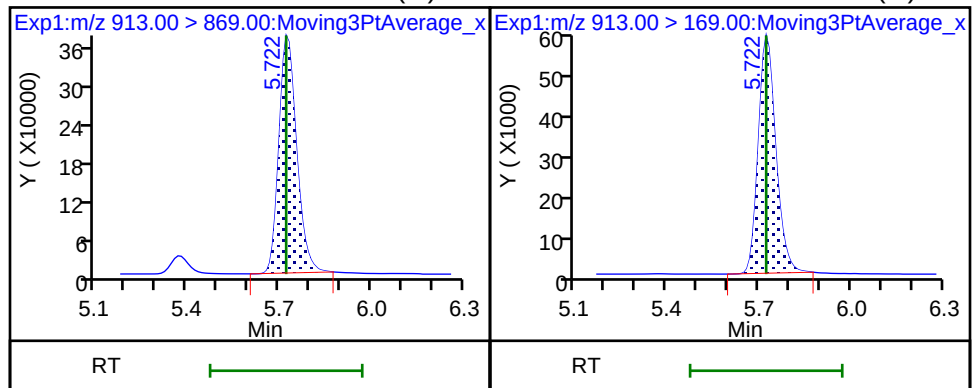
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



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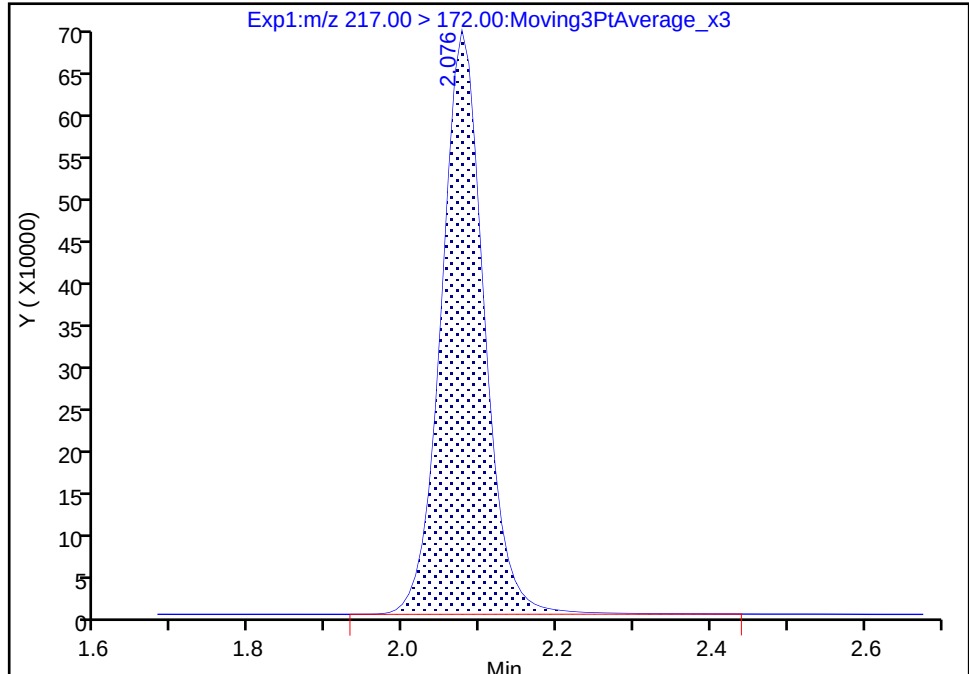
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Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

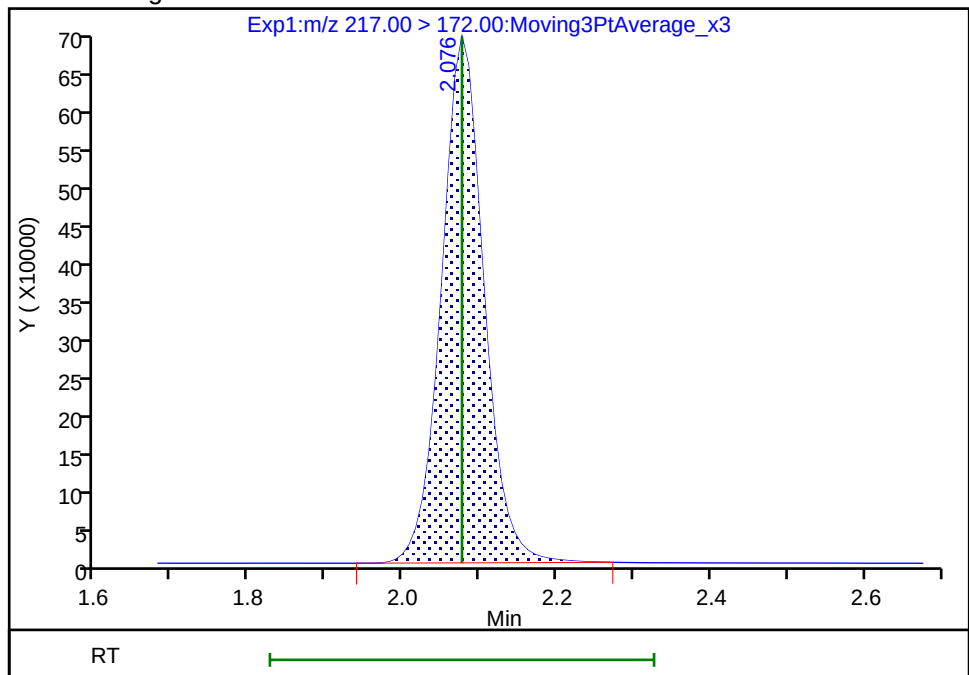
RT: 2.08
Area: 2683228
Amount: 1.030340
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 2670376
Amount: 1.025405
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:27:31
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

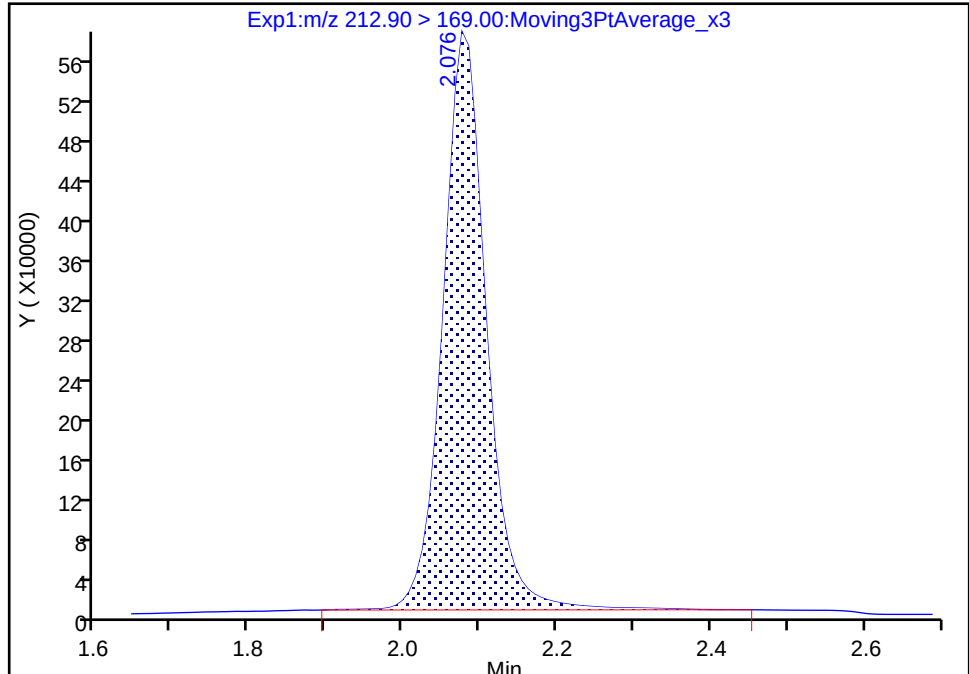
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Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

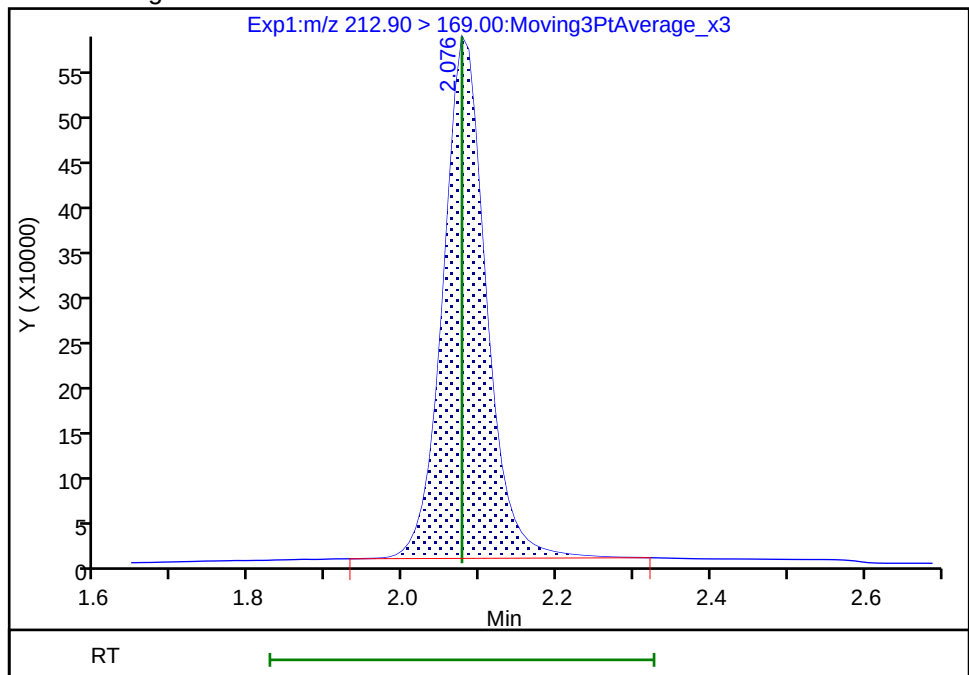
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Area: 2274782
Amount: 1.032610
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 2244563
Amount: 1.018892
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:27:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

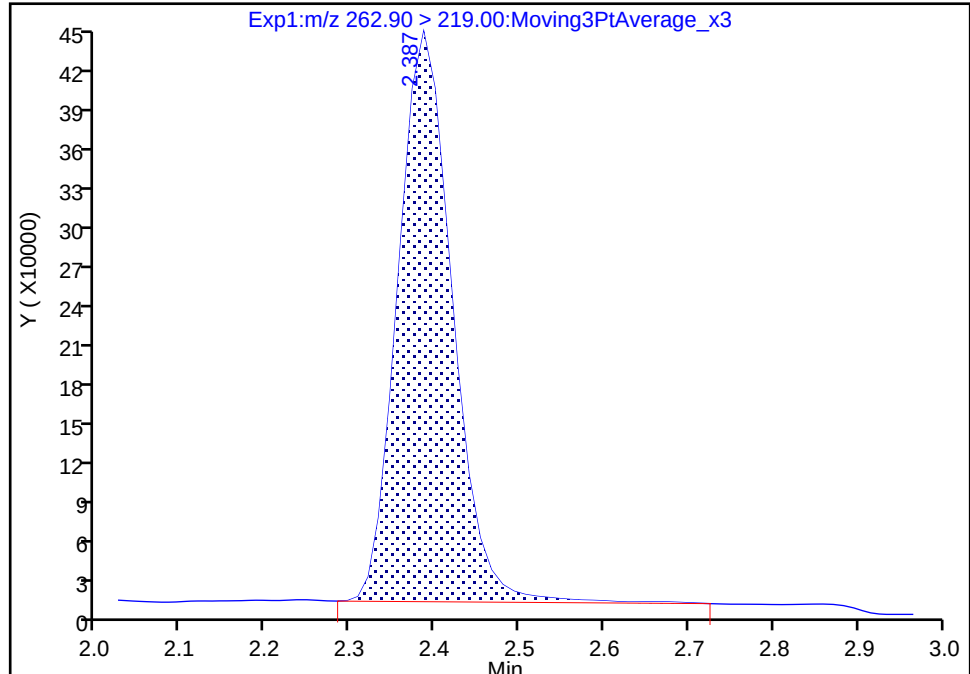
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Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

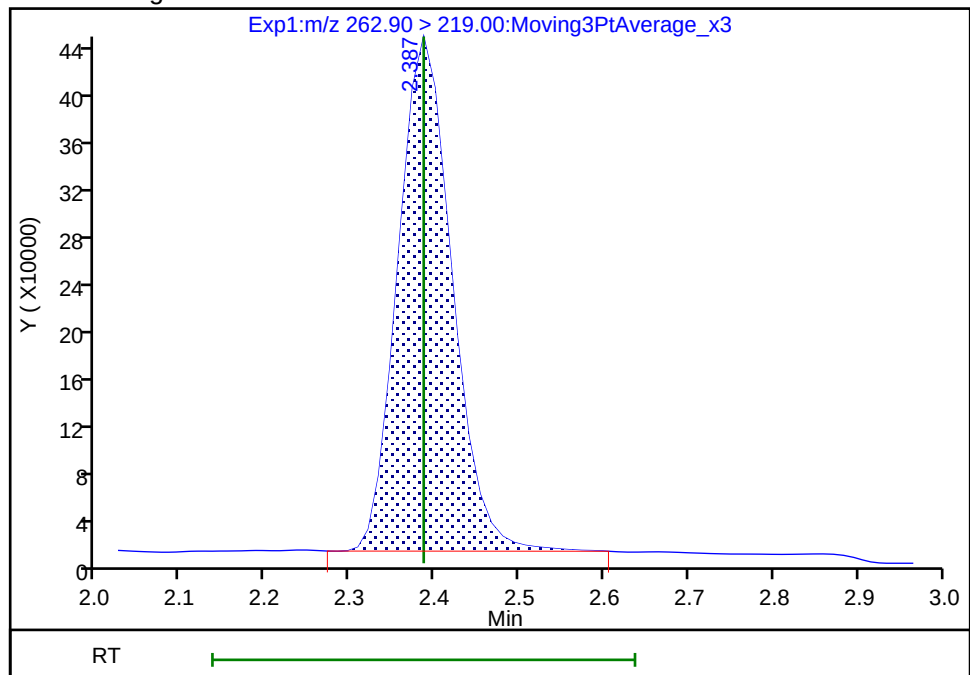
RT: 2.39
Area: 1952031
Amount: 1.086518
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 1931131
Amount: 1.074885
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:27:53
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

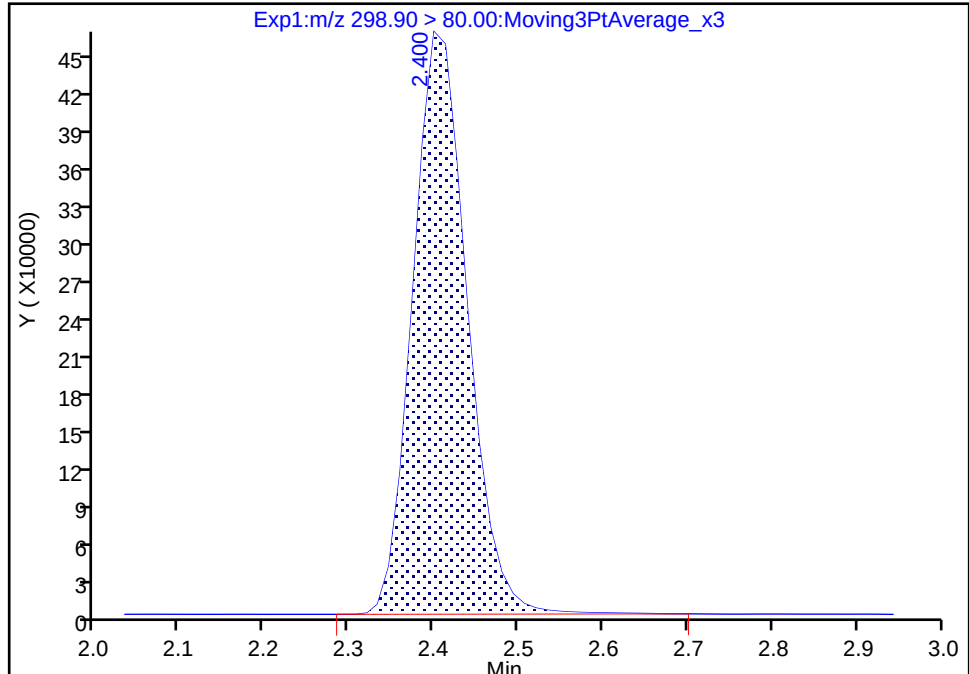
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Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

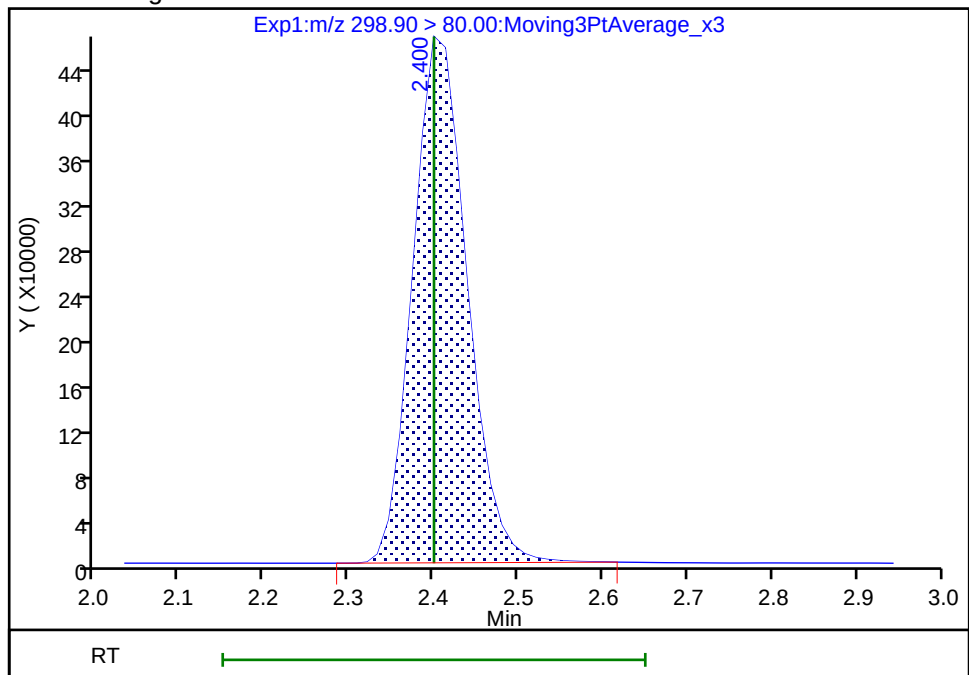
RT: 2.40
Area: 2078717
Amount: 0.981767
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 2070709
Amount: 0.977985
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:28:09
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

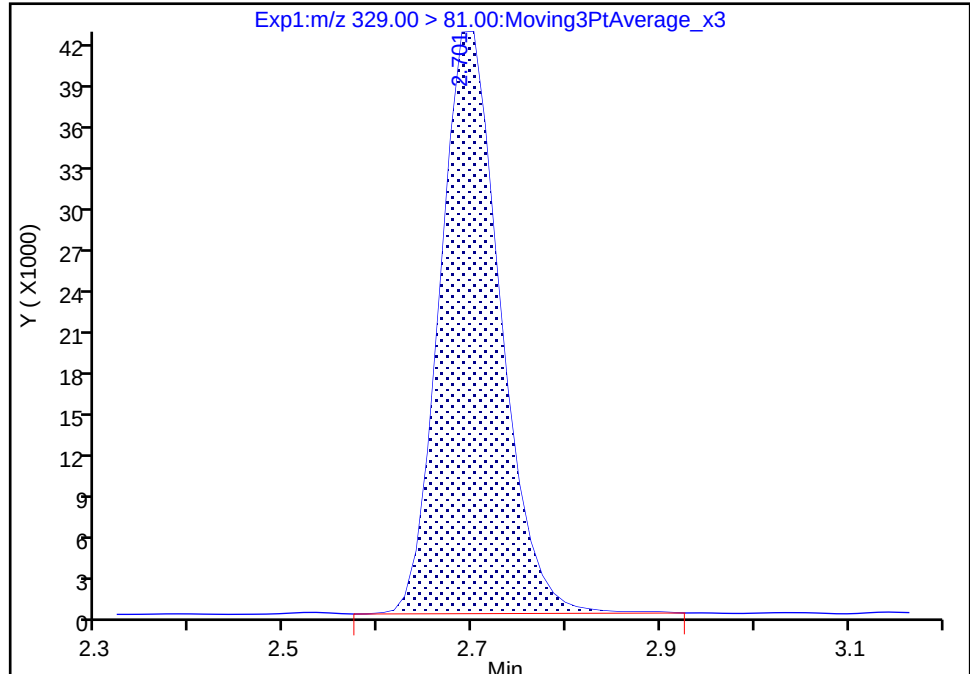
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

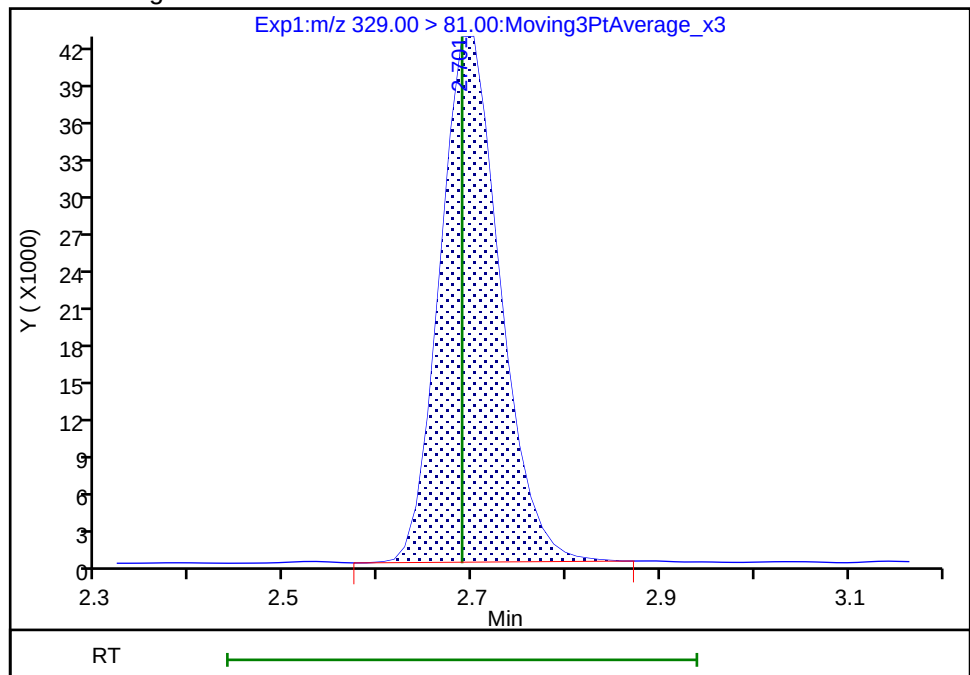
RT: 2.70
Area: 187018
Amount: 0.982209
Amount Units: ng/ml

Processing Integration Results



RT: 2.70
Area: 186032
Amount: 0.977030
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:28:30

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

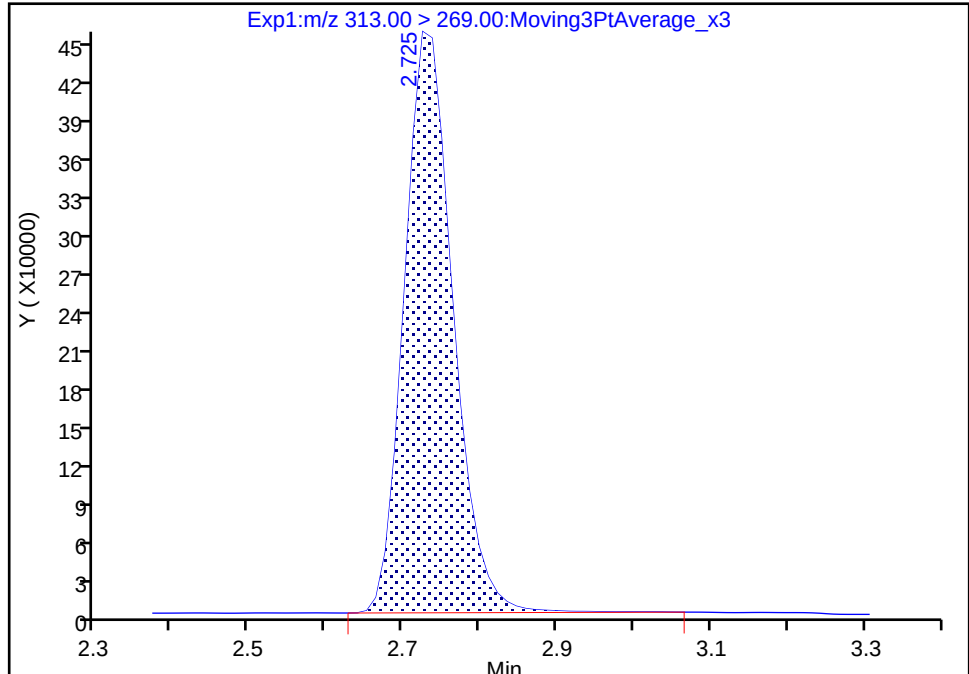
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

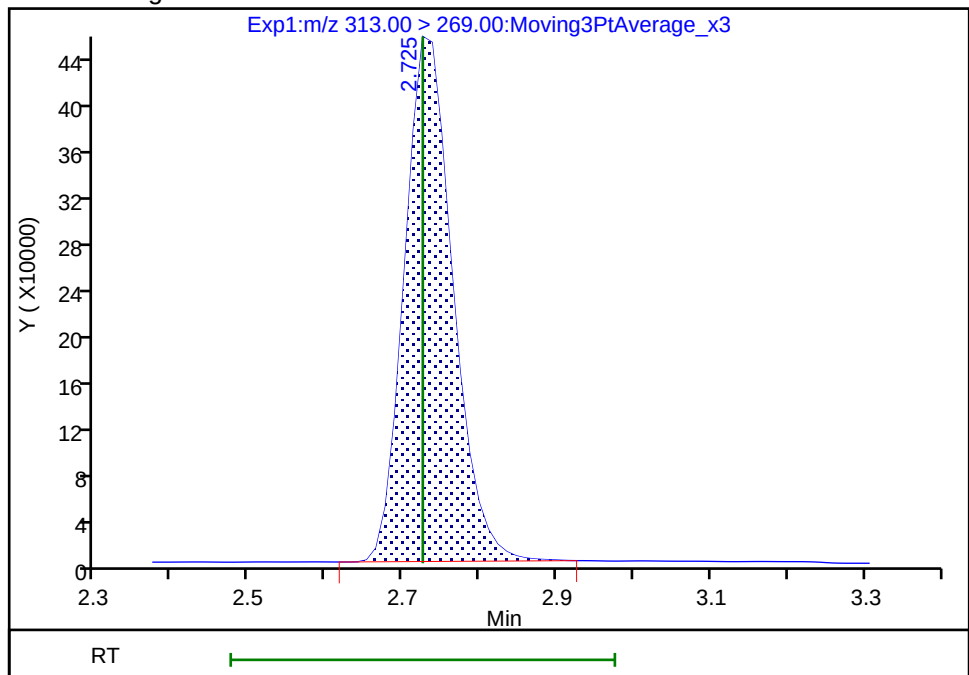
RT: 2.73
Area: 1996563
Amount: 1.018646
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 1986916
Amount: 1.013724
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:28:42
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

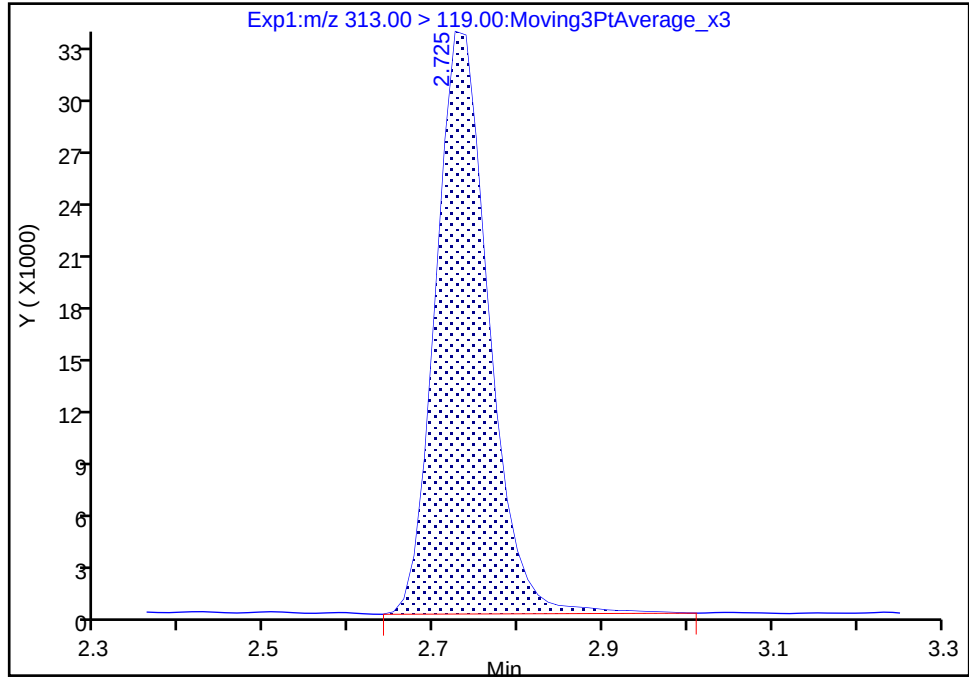
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

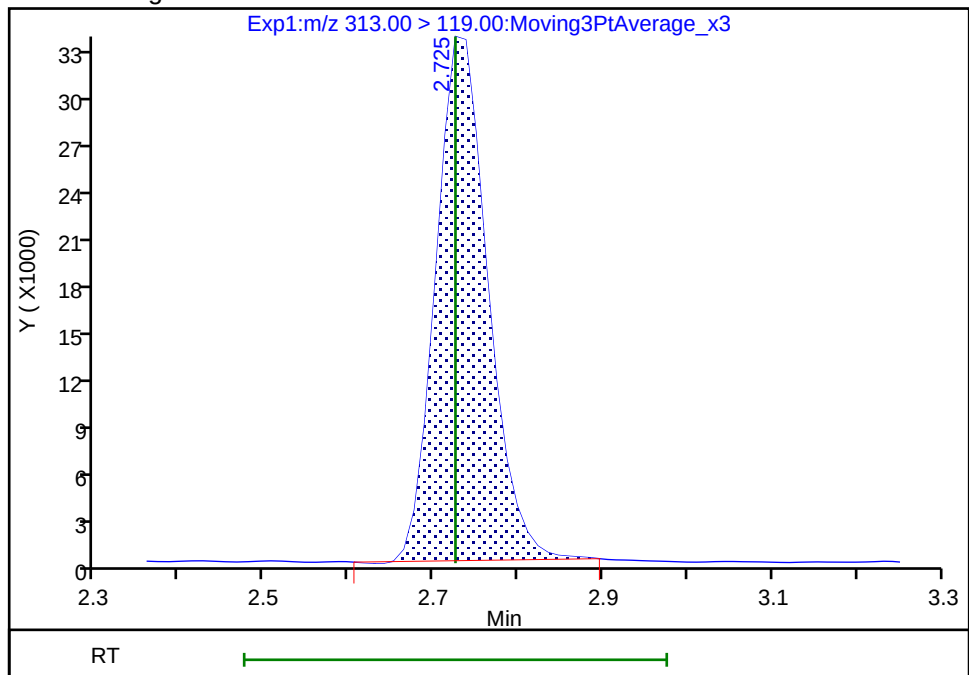
RT: 2.73
Area: 144299
Amount: 1.018646
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 140975
Amount: 1.013724
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:28:45

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

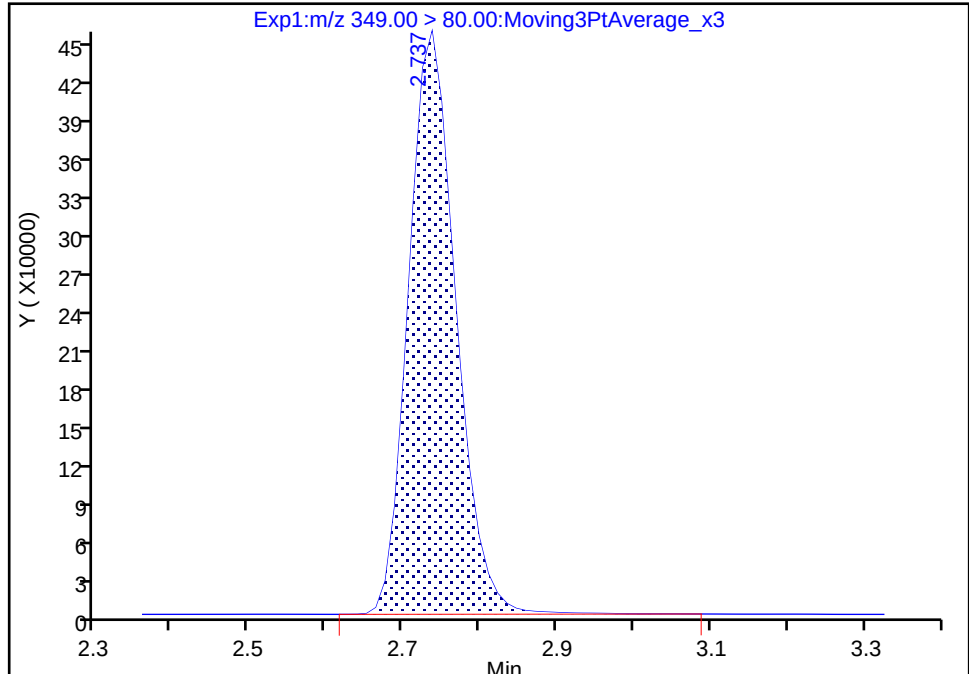
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

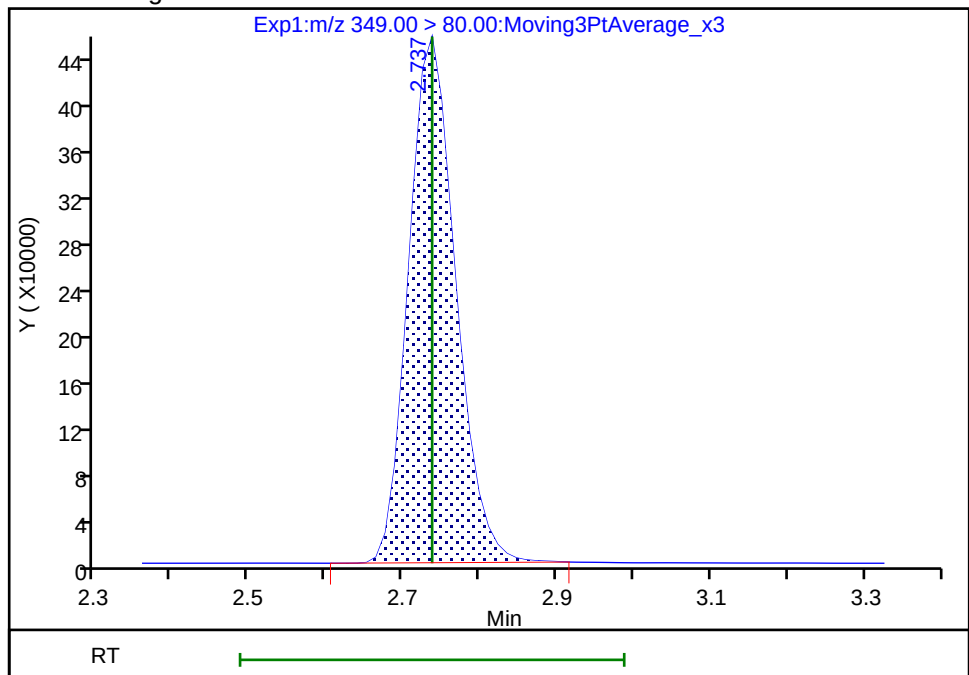
RT: 2.74
Area: 1936279
Amount: 1.104646
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 1925334
Amount: 1.098402
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:28:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

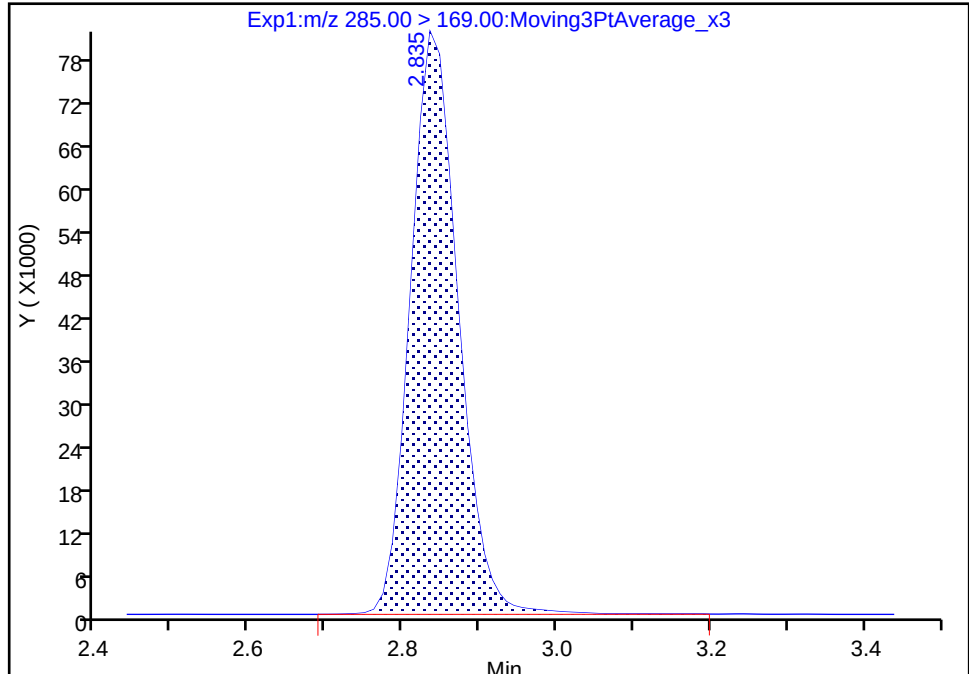
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

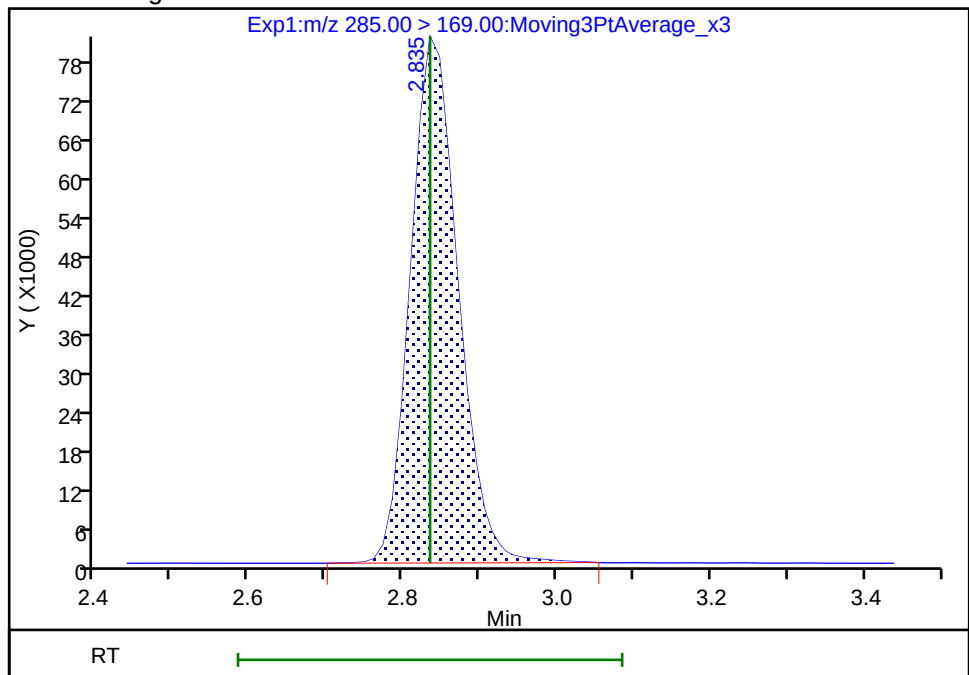
RT: 2.83
Area: 349656
Amount: 1.072576
Amount Units: ng/ml

Processing Integration Results



RT: 2.83
Area: 348107
Amount: 1.067825
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:28:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

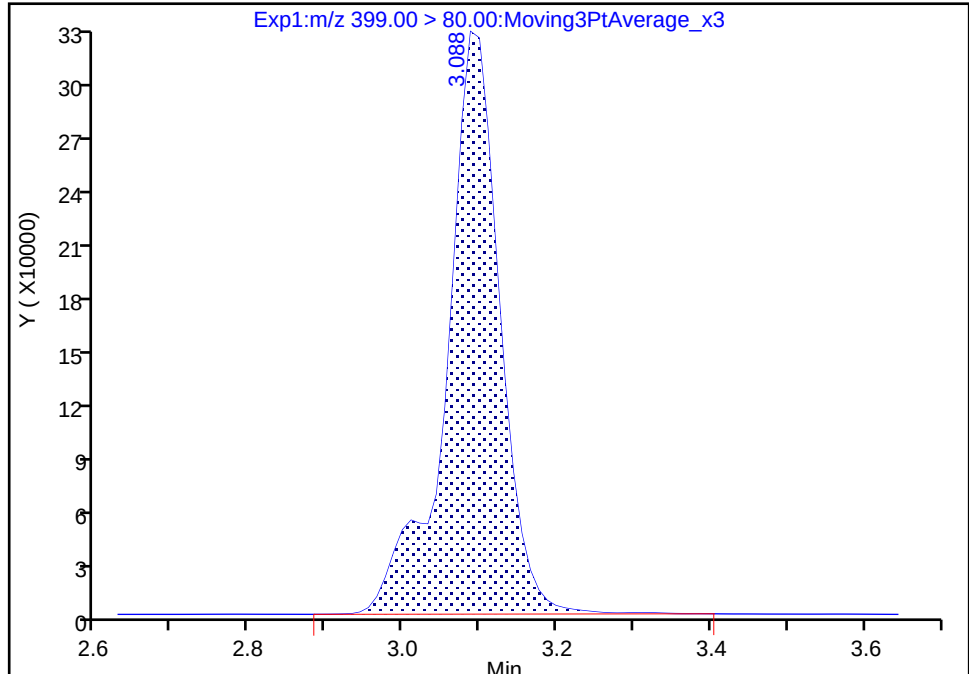
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

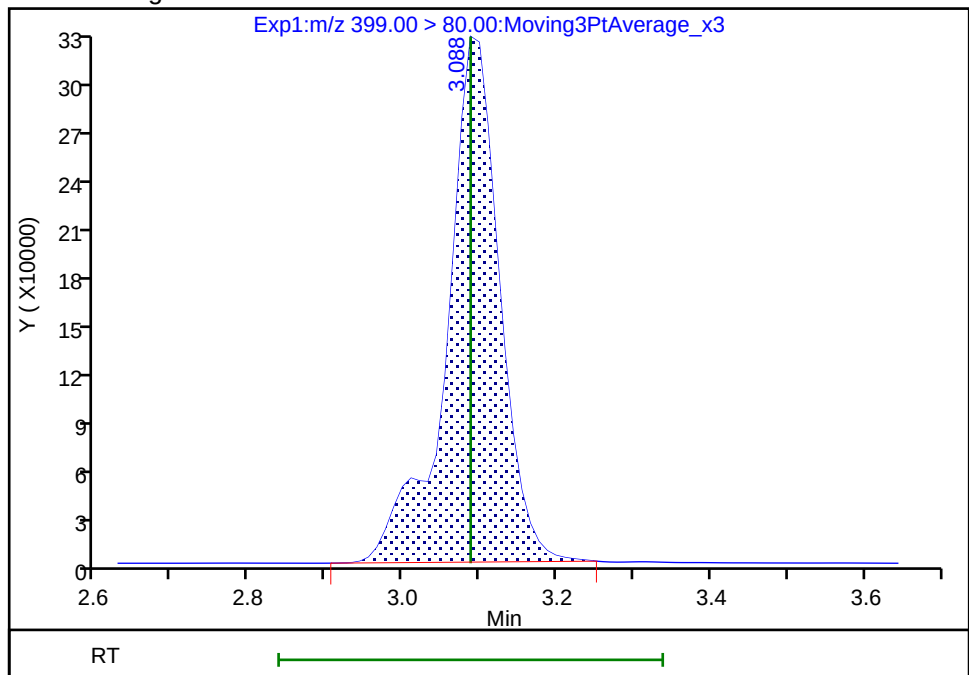
RT: 3.09
Area: 1580261
Amount: 1.066710
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 1565688
Amount: 1.056873
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:29:04
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

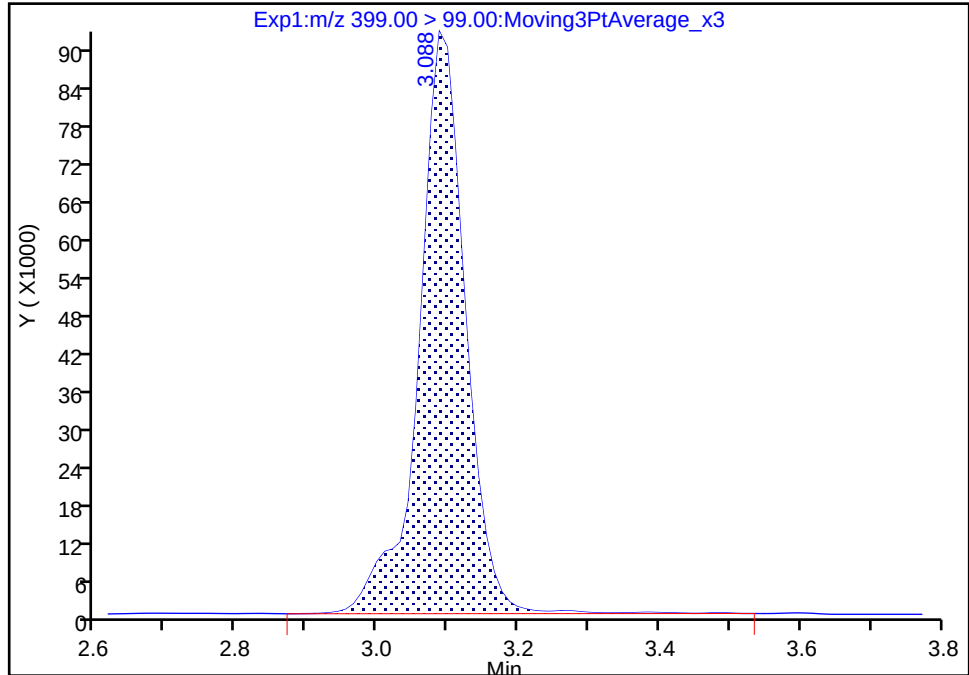
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

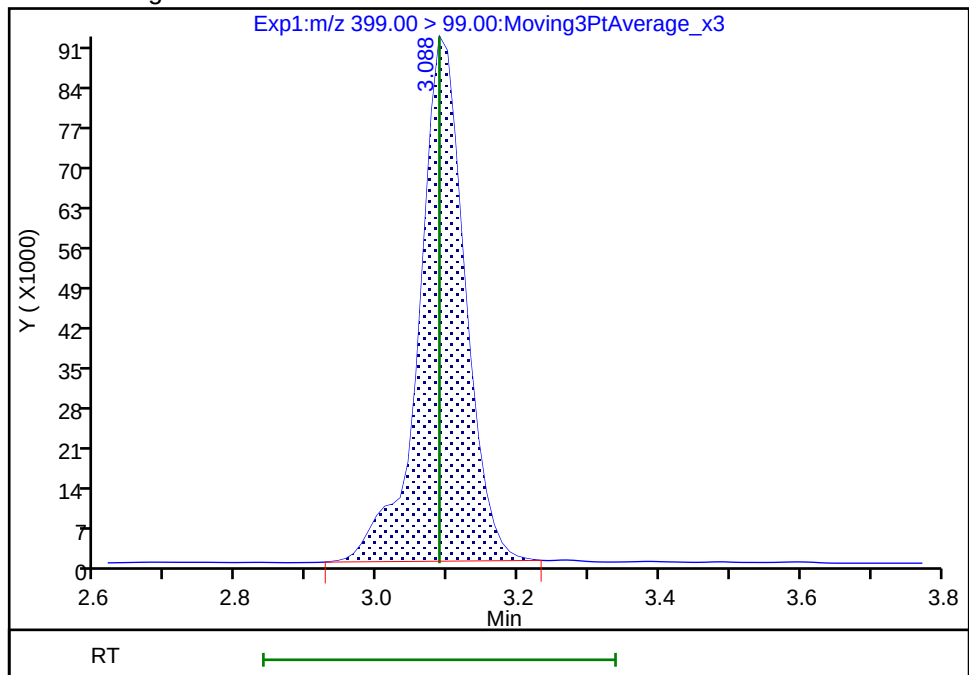
RT: 3.09
Area: 423789
Amount: 1.066710
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 416511
Amount: 1.056873
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:29:07

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

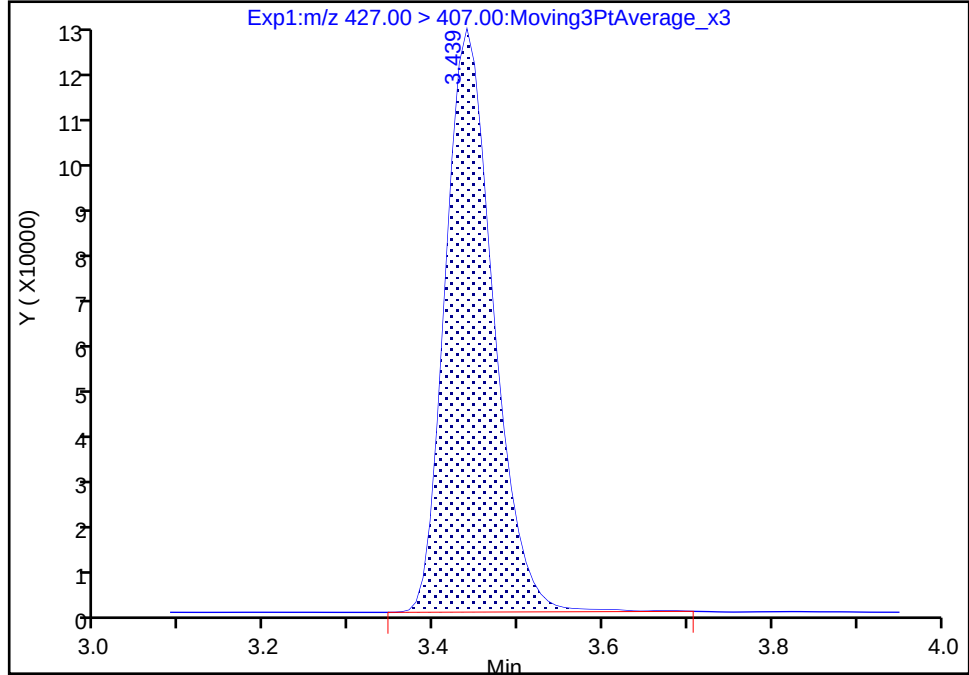
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

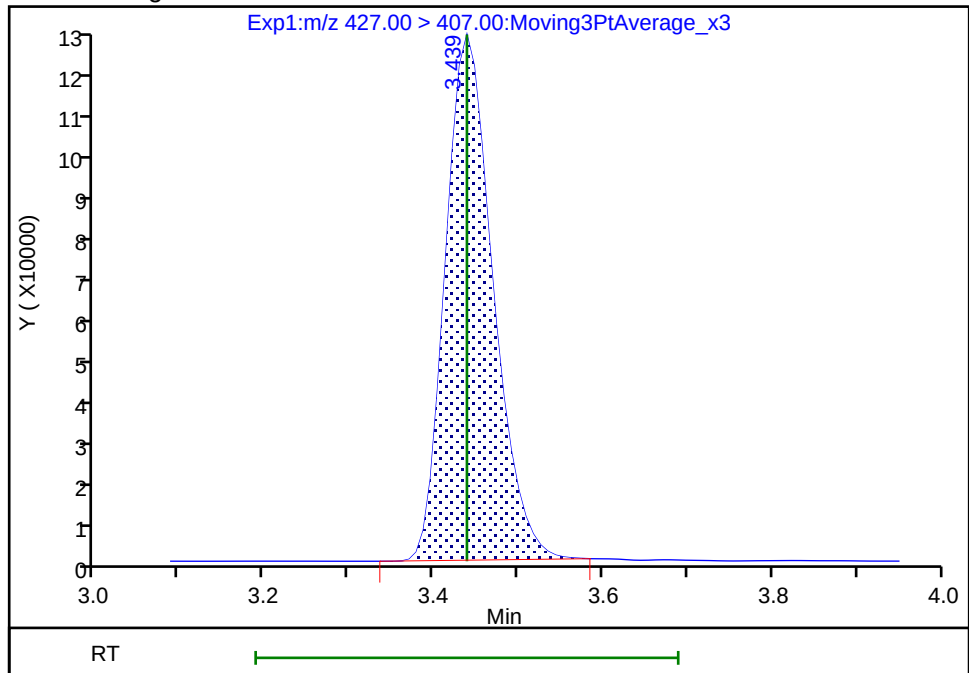
RT: 3.44
Area: 502234
Amount: 1.072151
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 497227
Amount: 1.061344
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:29:19
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

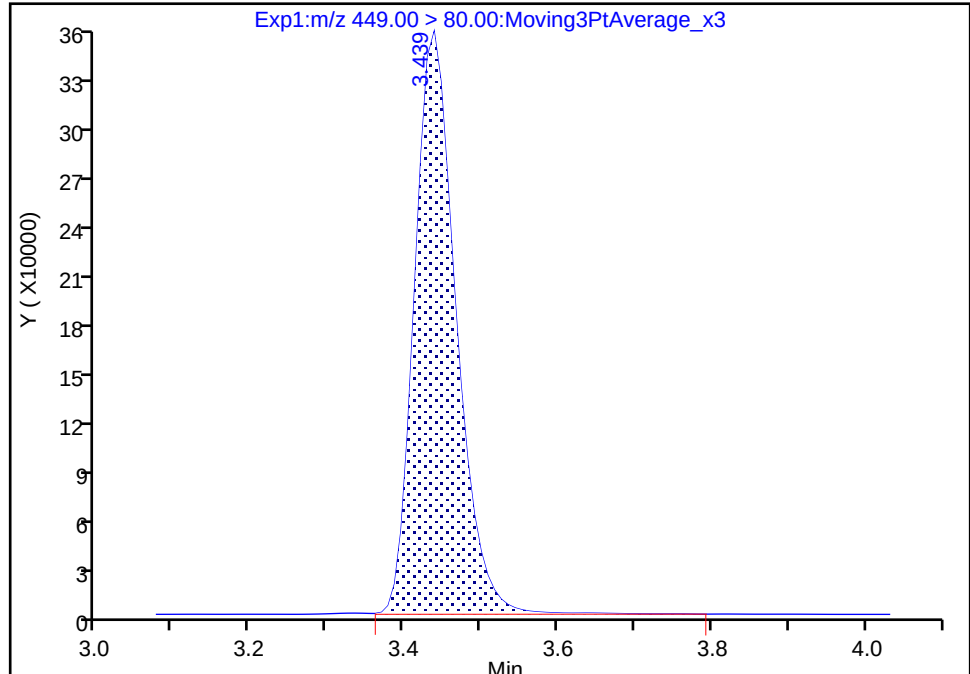
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

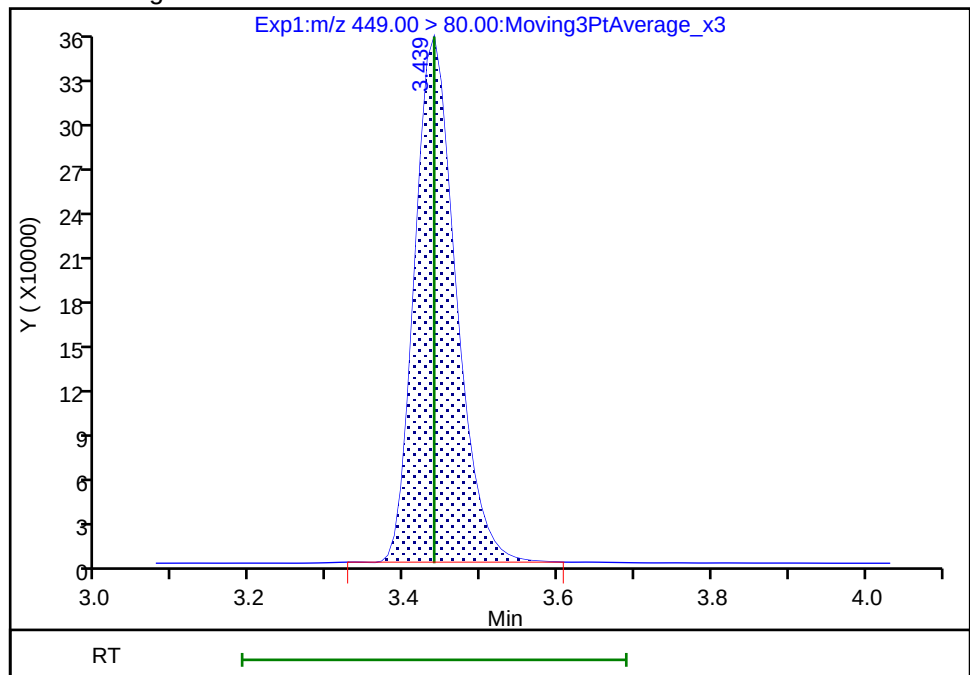
RT: 3.44
Area: 1318008
Amount: 1.043678
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 1304864
Amount: 1.033270
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:29:24
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

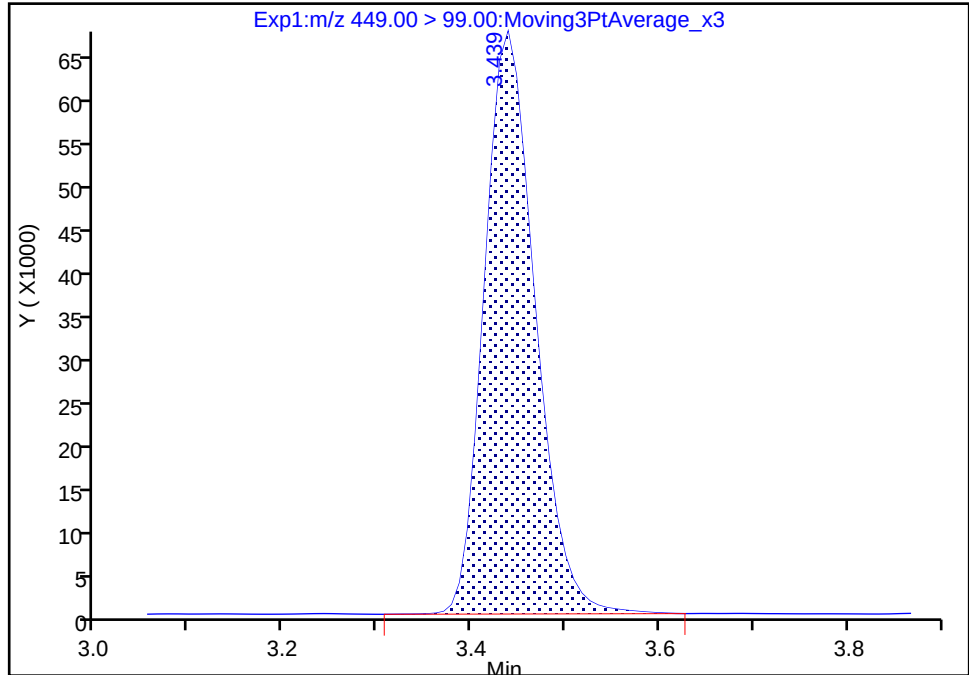
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

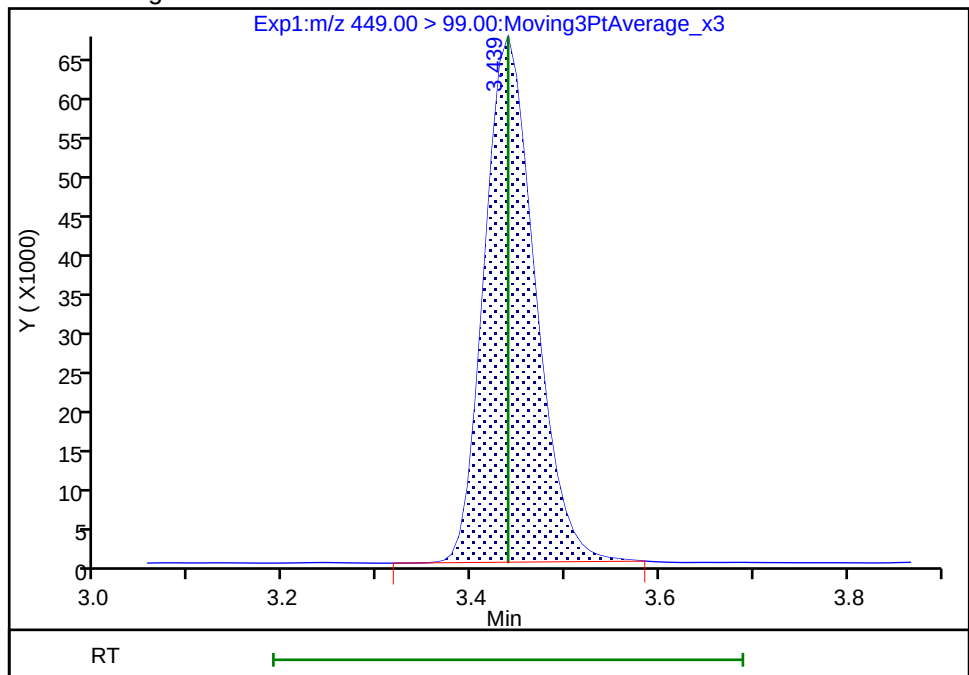
RT: 3.44
Area: 253988
Amount: 1.043678
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 252176
Amount: 1.033270
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:29:28

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

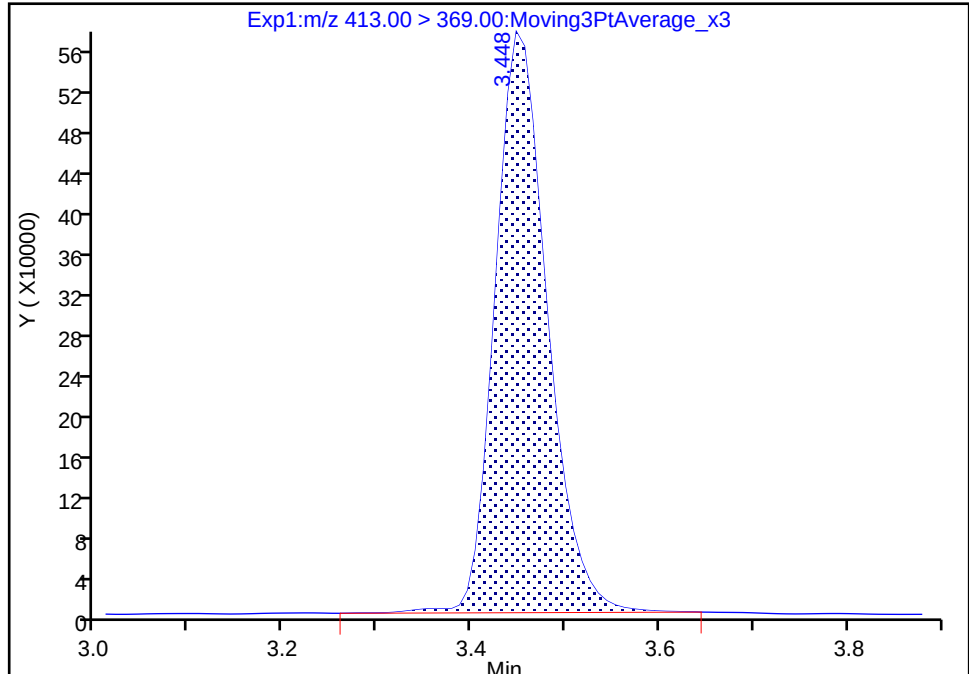
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

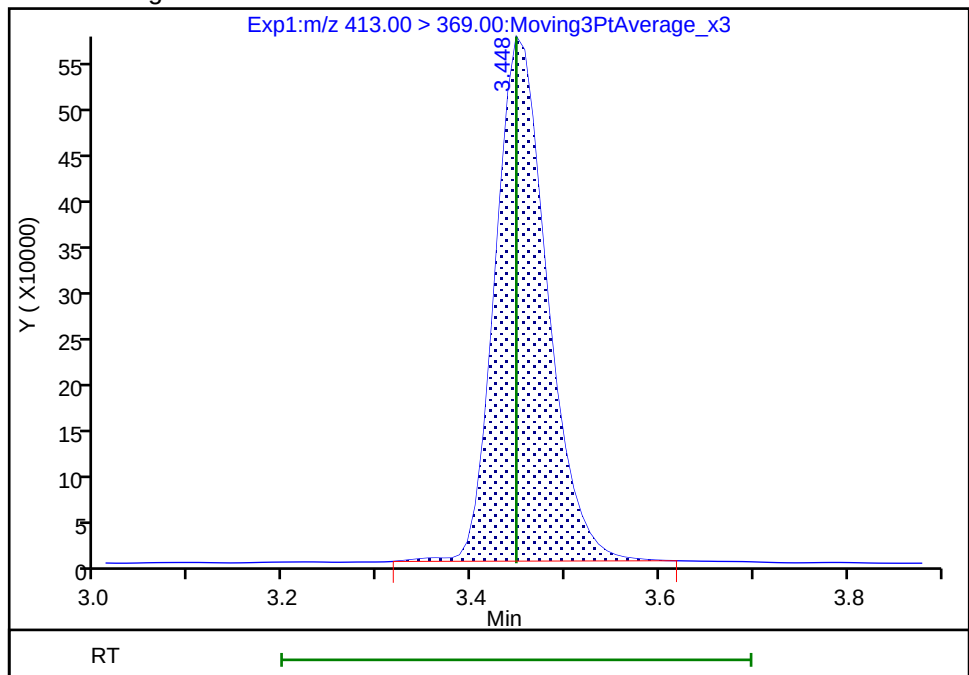
RT: 3.45
Area: 2210155
Amount: 1.028931
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 2197145
Amount: 1.022875
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:29:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

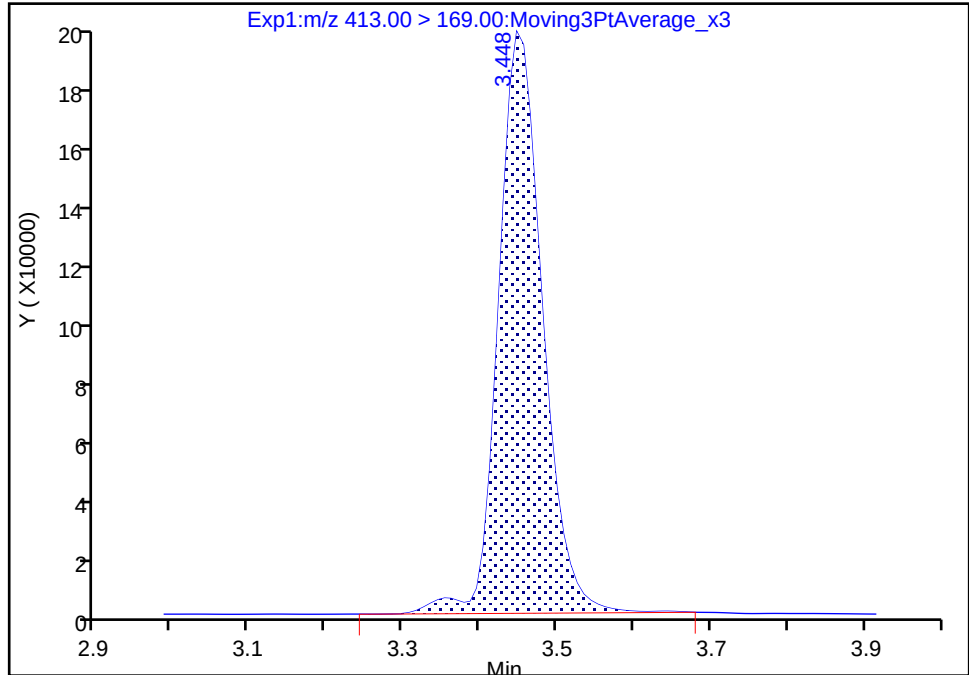
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

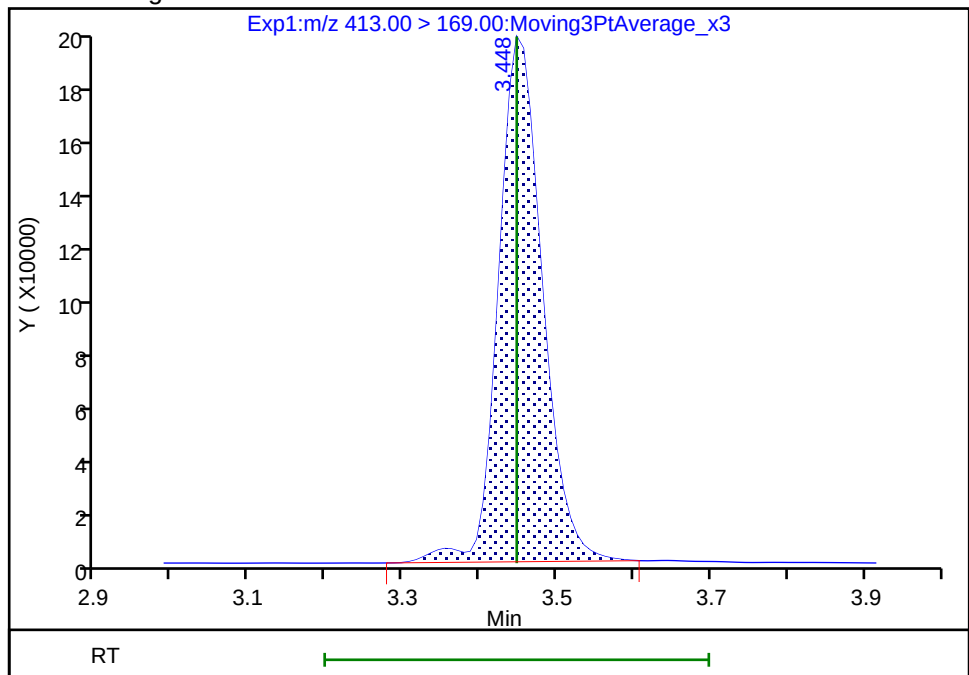
RT: 3.45
Area: 778853
Amount: 1.028931
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 773803
Amount: 1.022875
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:29:38

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

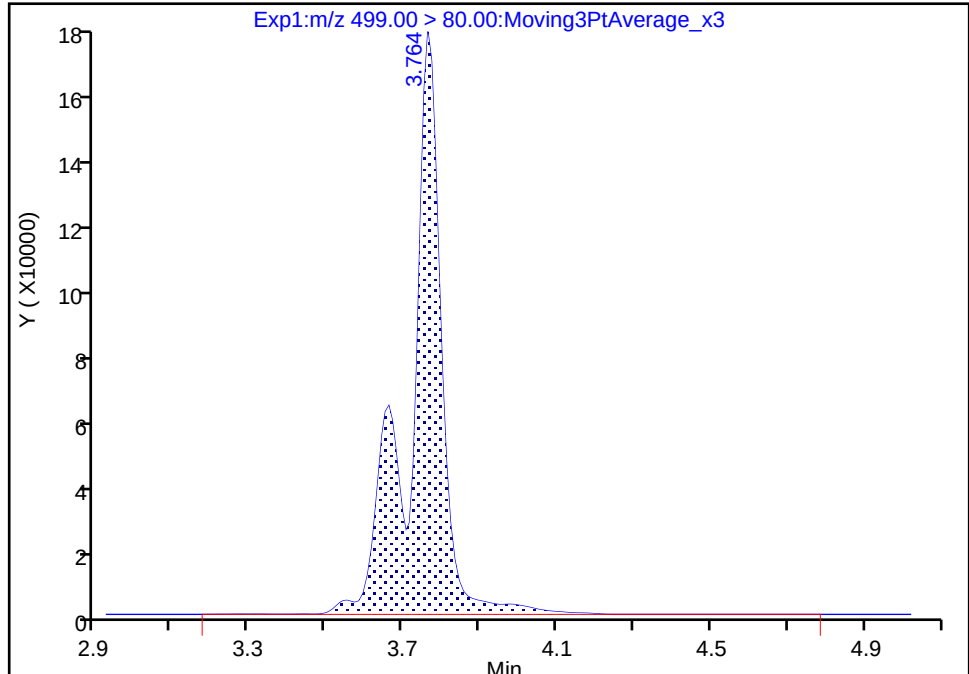
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

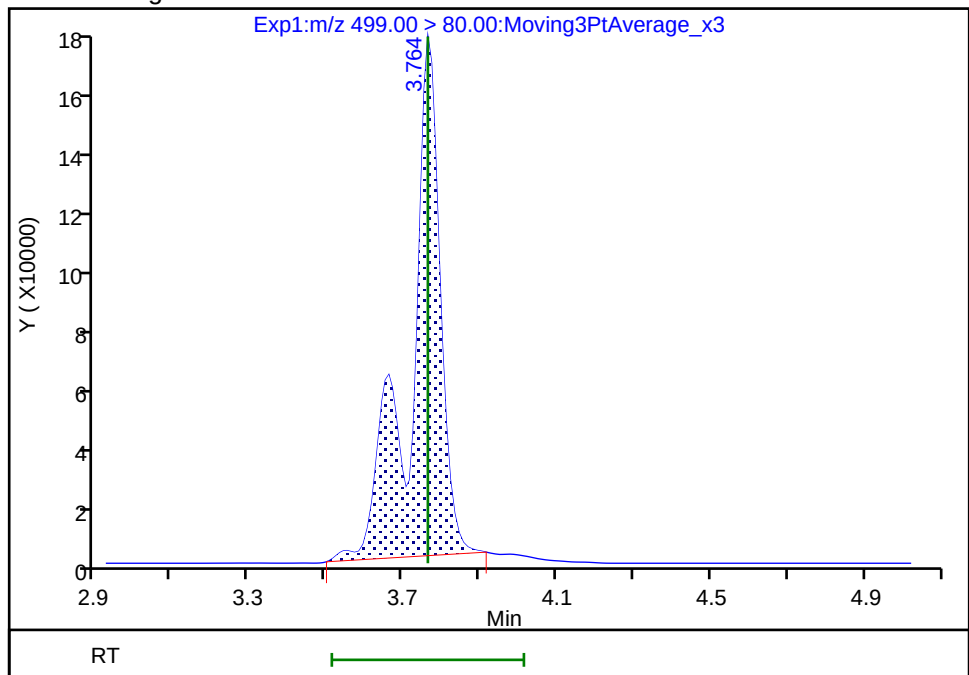
RT: 3.76
Area: 1017852
Amount: 0.925675
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 936613
Amount: 0.851793
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:29:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

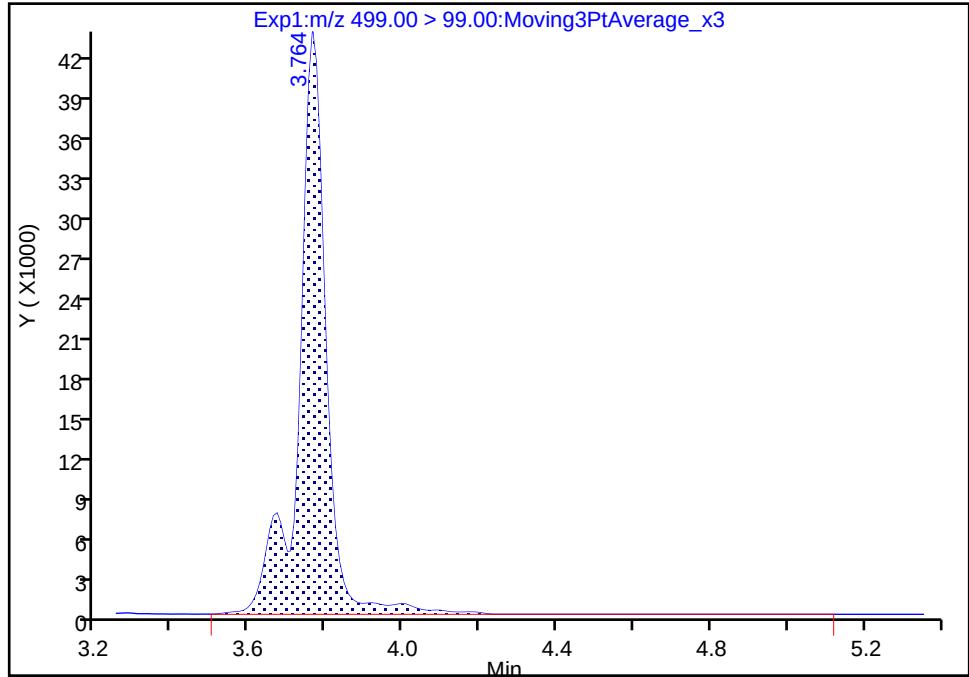
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

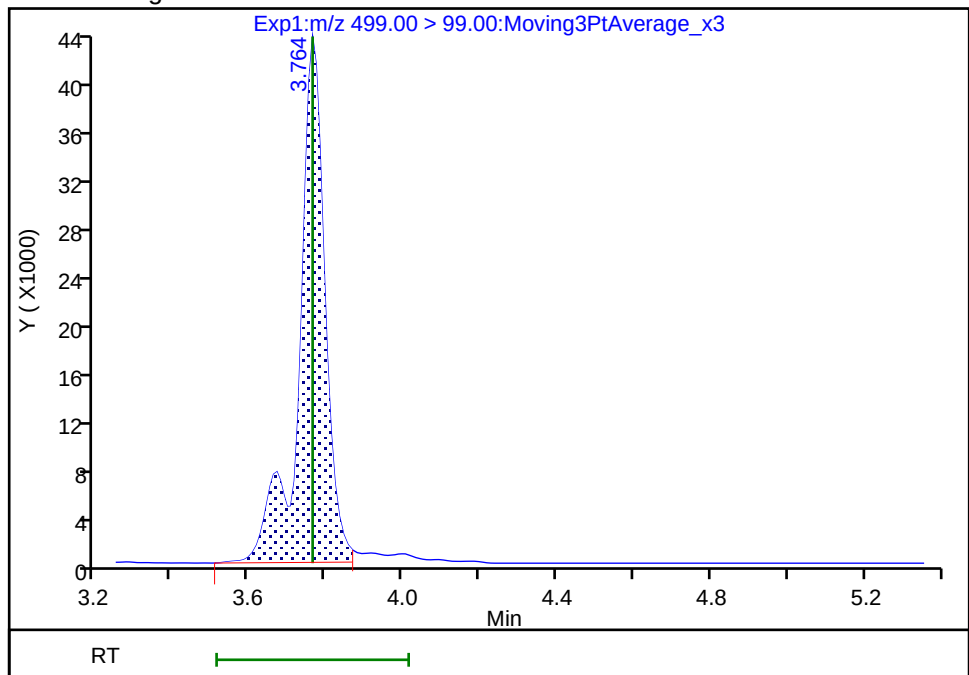
RT: 3.76
Area: 215493
Amount: 0.925675
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 204498
Amount: 0.851793
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:29:53

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

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12/27/2022
2:52 PM

Eurofins Burlington

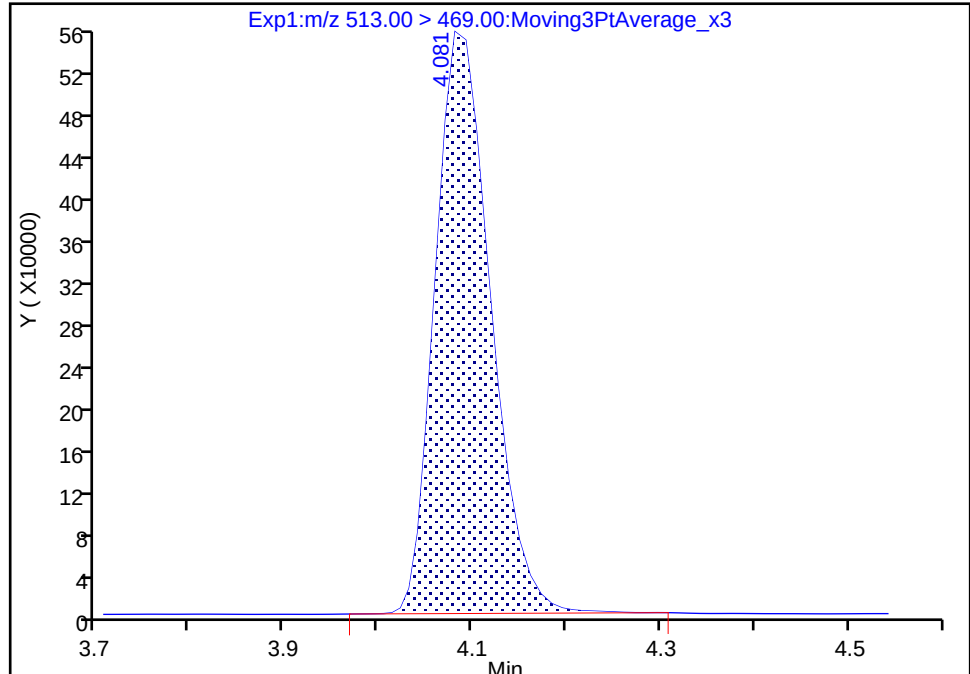
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

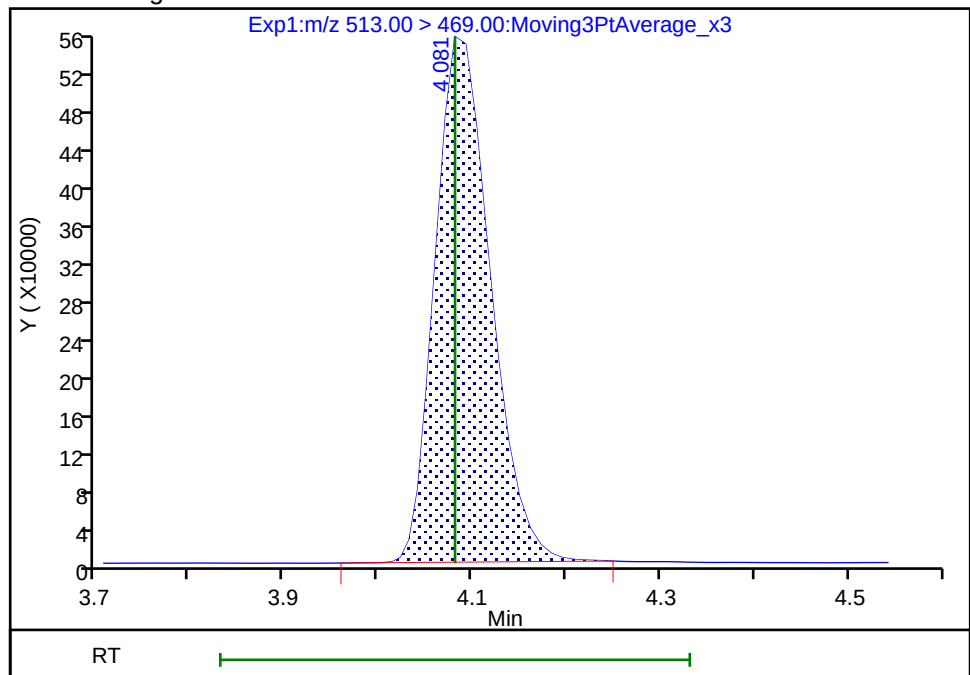
RT: 4.08
Area: 2277302
Amount: 1.004177
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 2269026
Amount: 1.000528
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:30:09
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

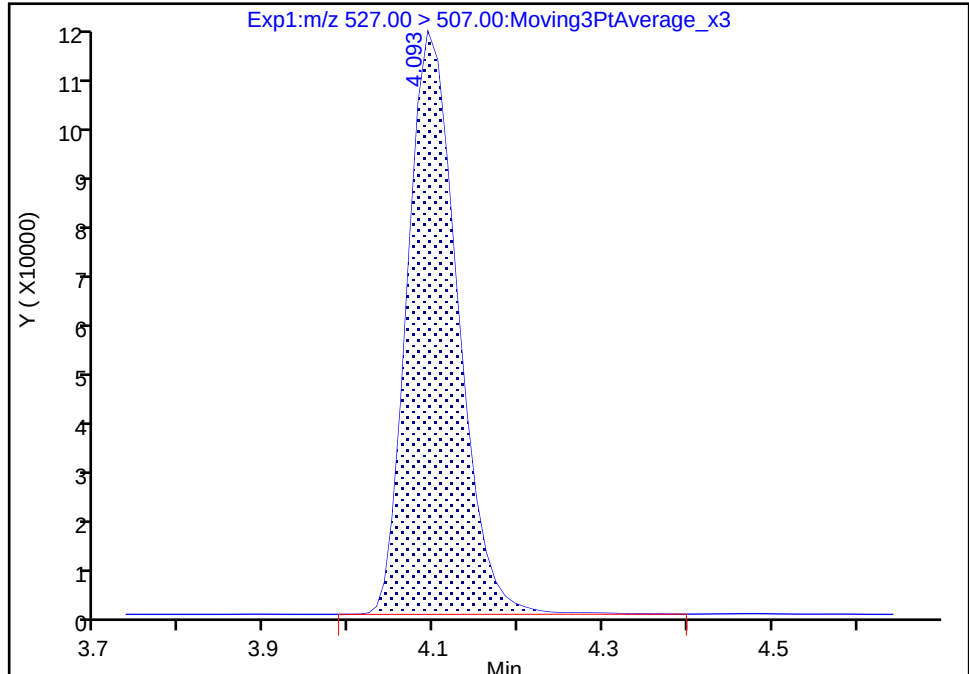
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

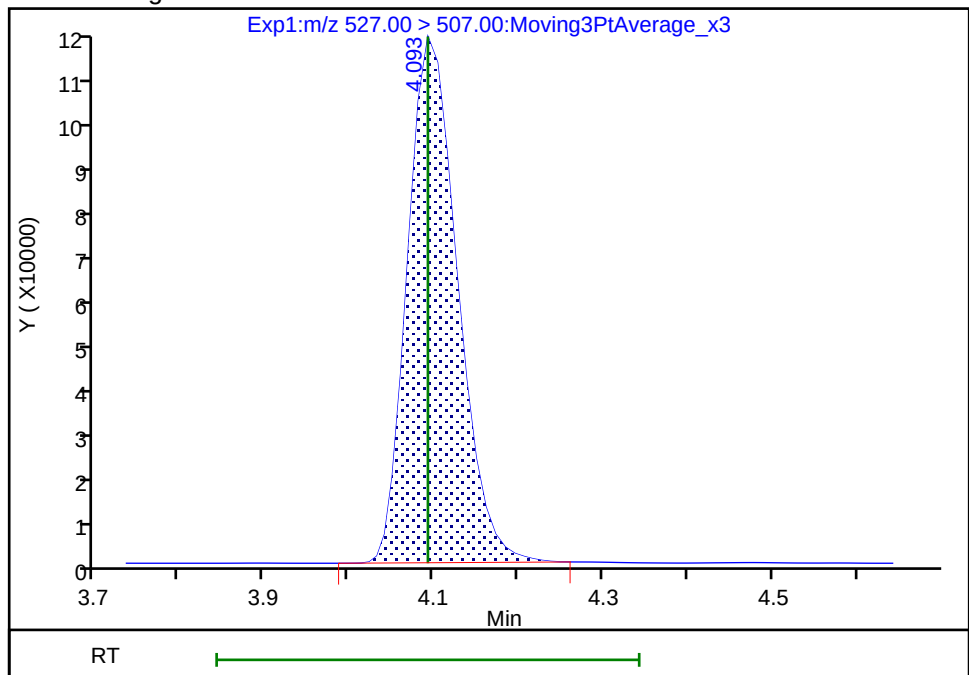
RT: 4.09
Area: 484745
Amount: 1.107834
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 481604
Amount: 1.100655
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:30:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

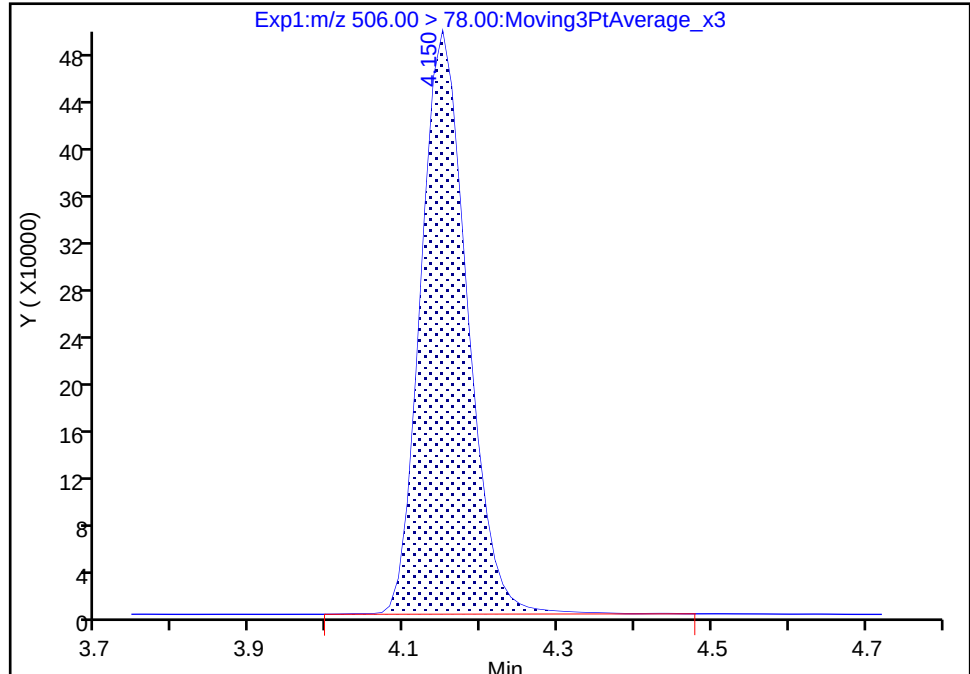
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

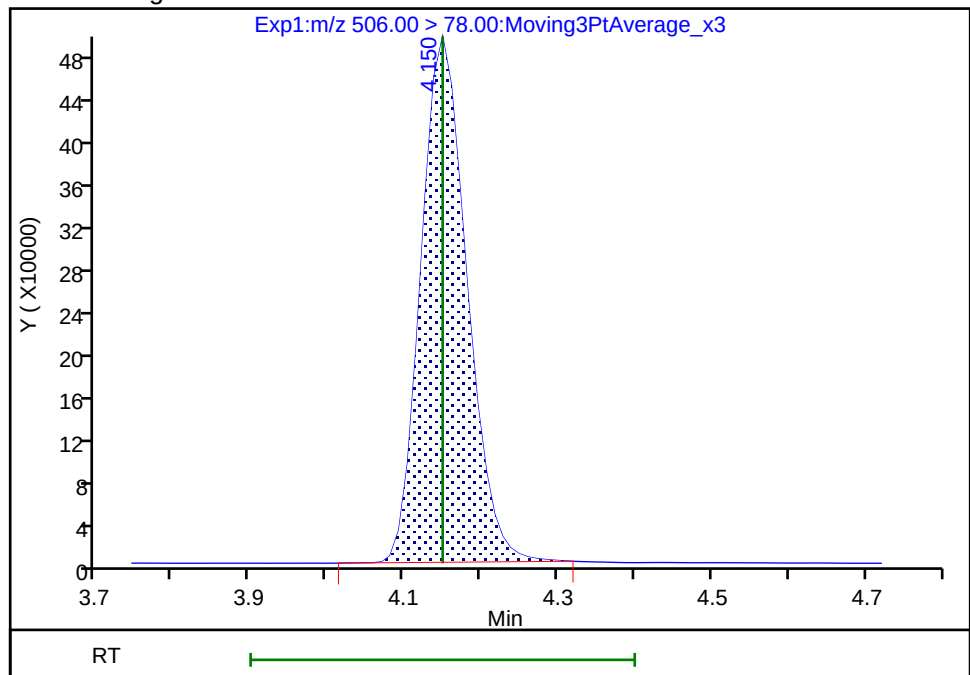
RT: 4.15
Area: 2074977
Amount: 1.063614
Amount Units: ng/ml

Processing Integration Results



RT: 4.15
Area: 2056044
Amount: 1.053909
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:30:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

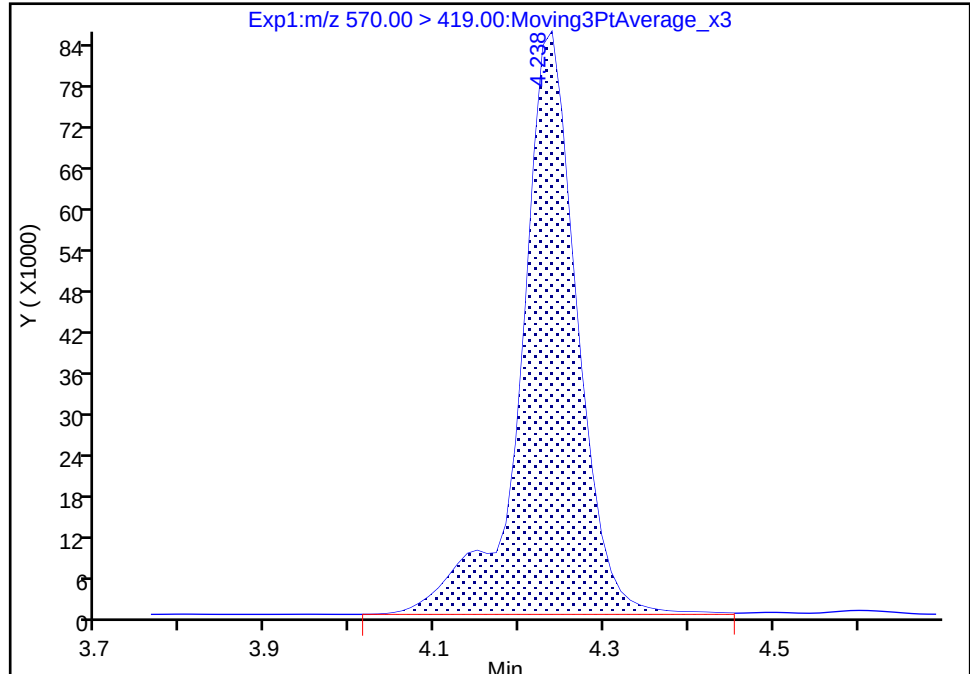
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

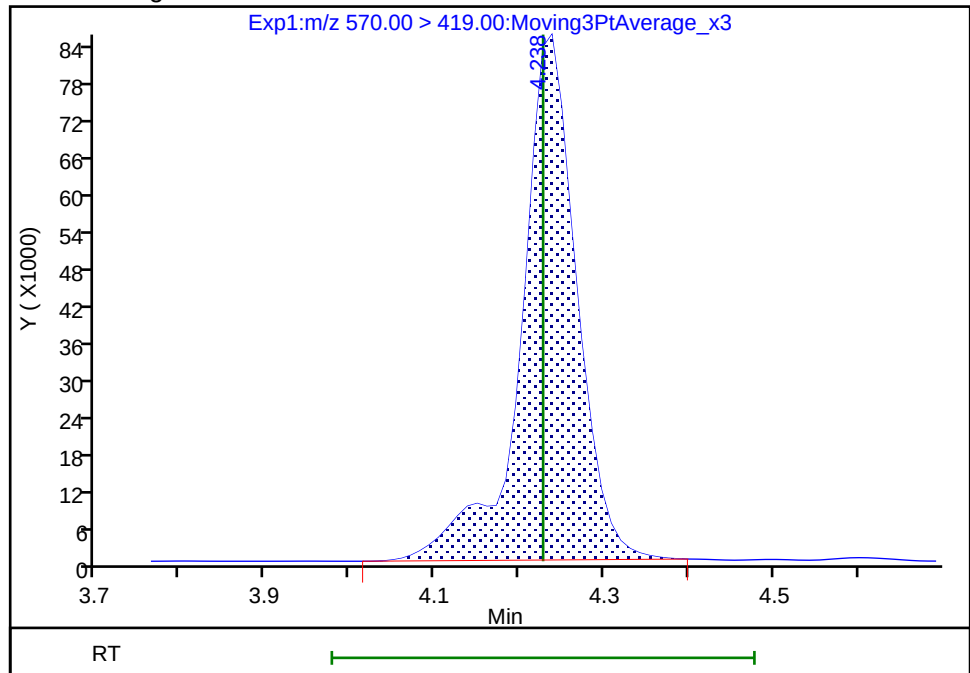
RT: 4.24
Area: 395419
Amount: 1.116920
Amount Units: ng/ml

Processing Integration Results



RT: 4.24
Area: 390455
Amount: 1.102753
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:31:37
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

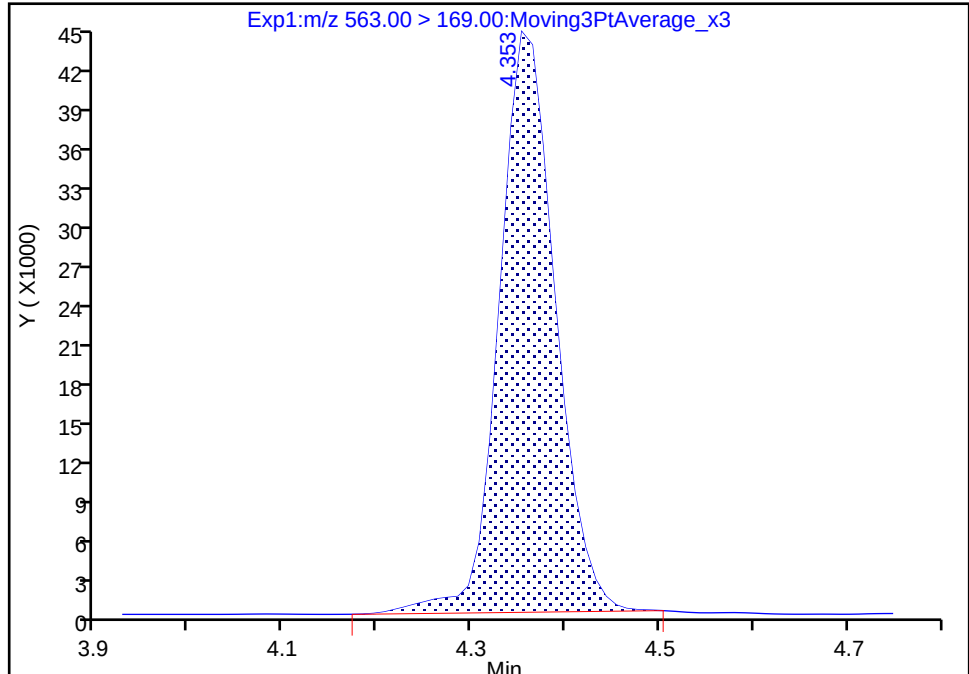
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

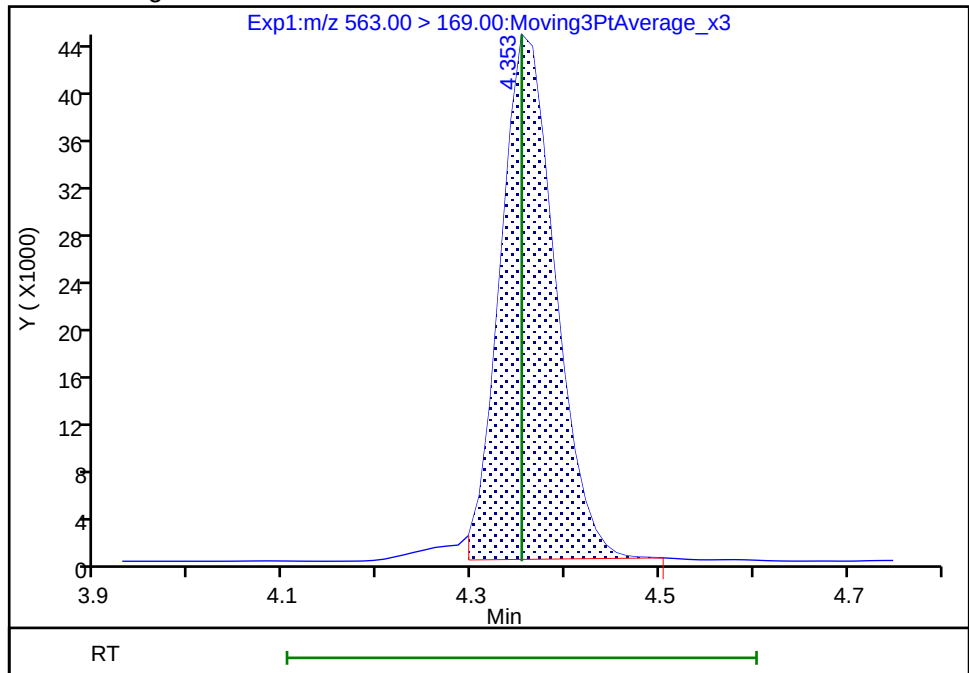
RT: 4.35
Area: 182508
Amount: 0.975318
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 177599
Amount: 0.962003
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:31:52
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

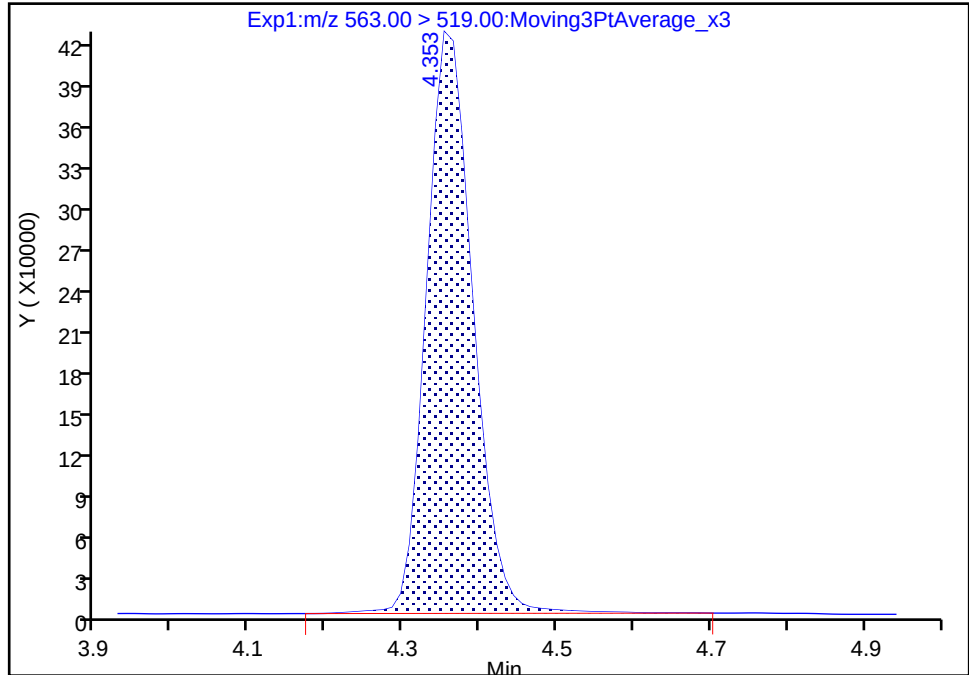
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

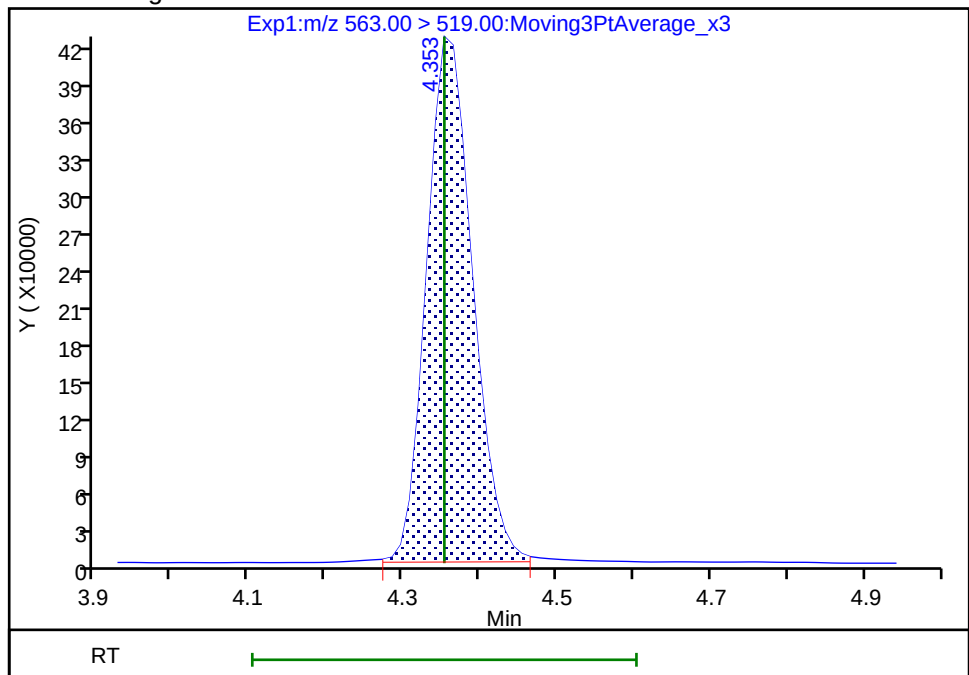
RT: 4.35
Area: 1763312
Amount: 0.975318
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 1739241
Amount: 0.962003
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:31:55

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

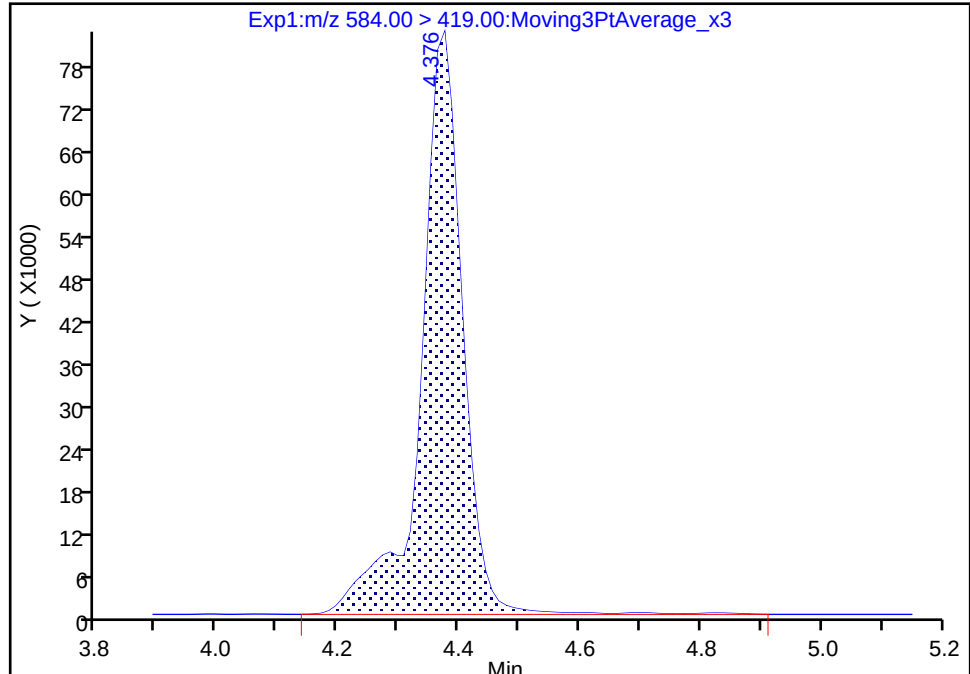
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

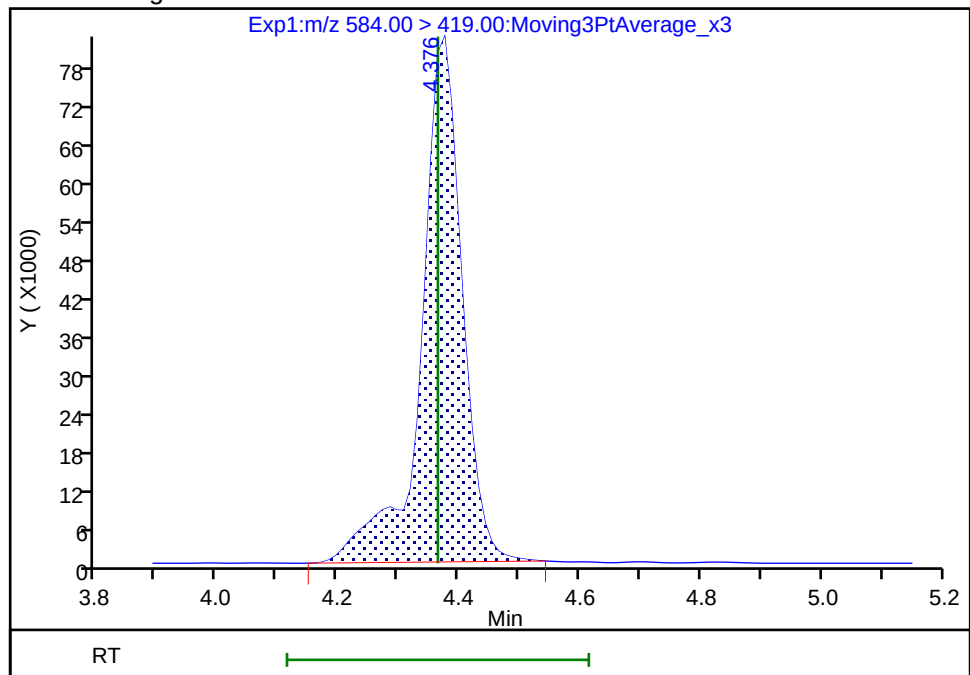
RT: 4.38
Area: 392736
Amount: 1.062553
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 385250
Amount: 1.042299
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:32:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

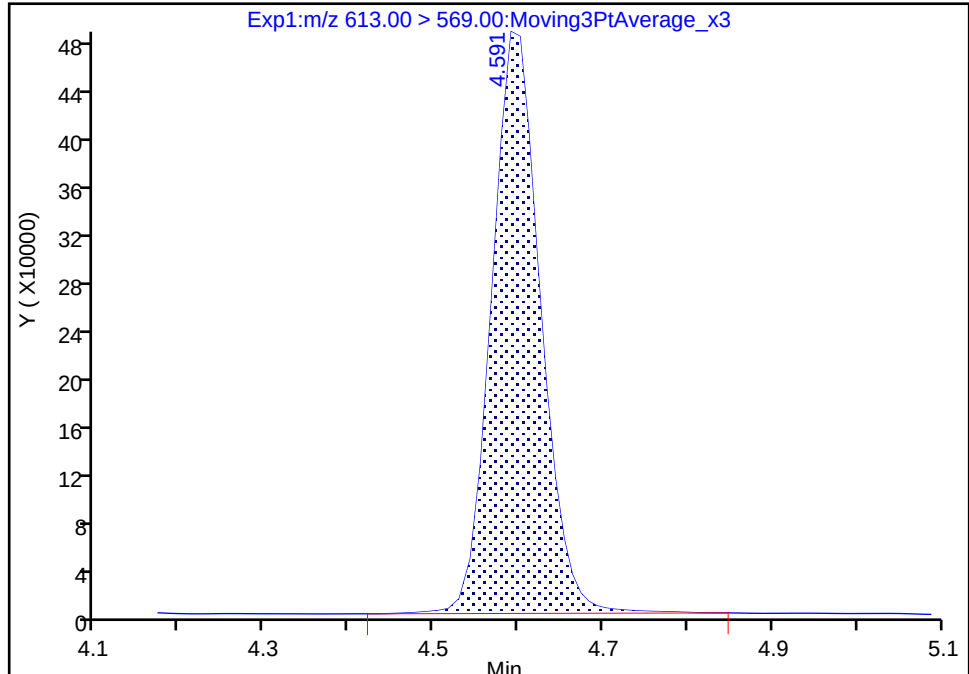
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

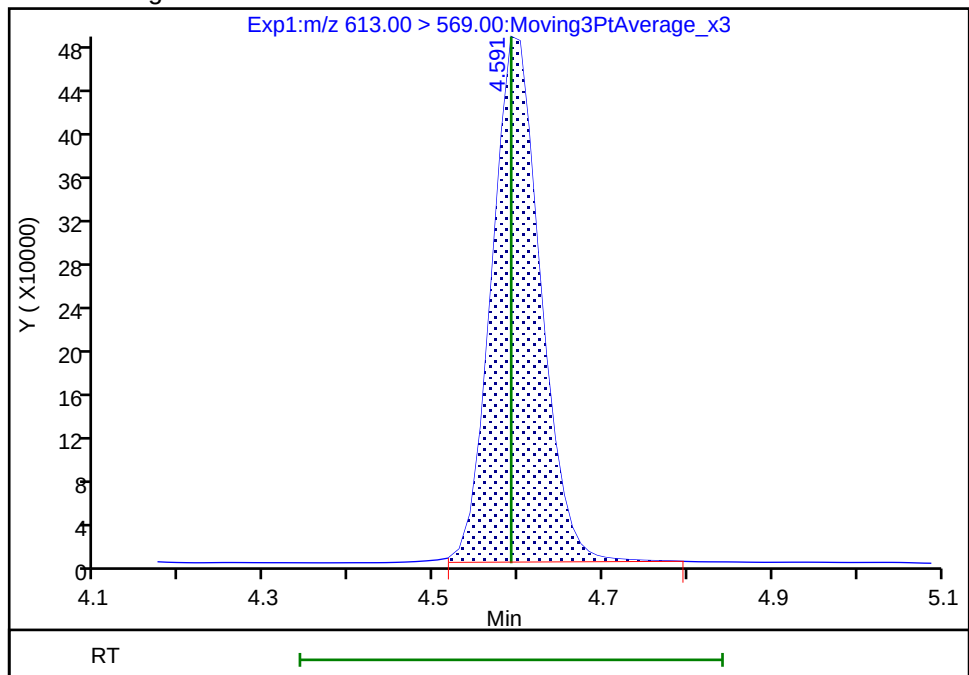
RT: 4.59
Area: 1962968
Amount: 0.983300
Amount Units: ng/ml

Processing Integration Results



RT: 4.59
Area: 1949526
Amount: 0.976567
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:32:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

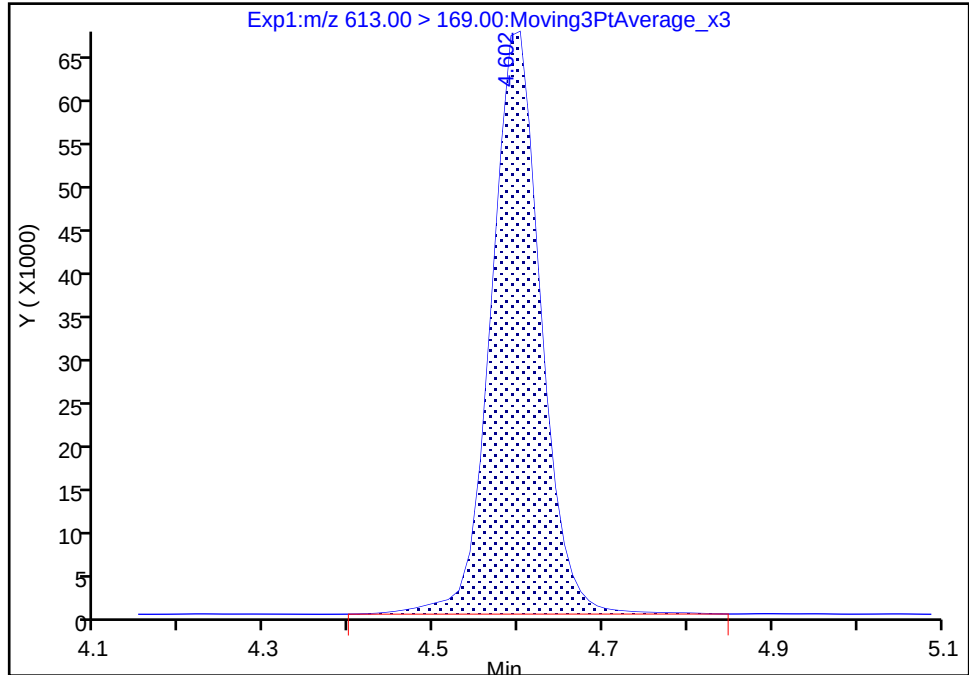
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

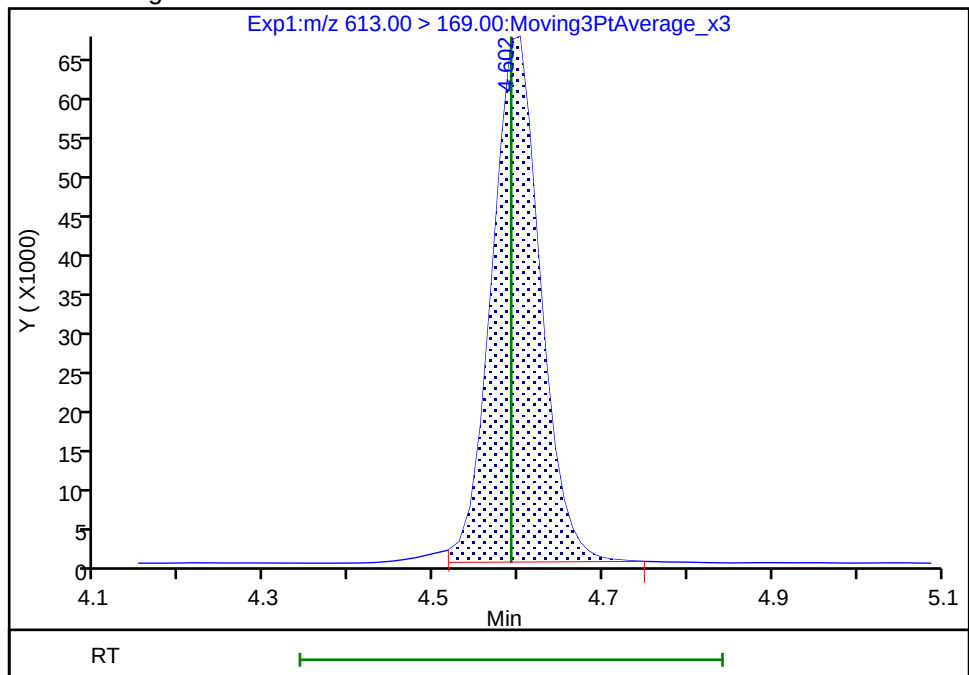
RT: 4.60
Area: 274375
Amount: 0.983300
Amount Units: ng/ml

Processing Integration Results



RT: 4.60
Area: 268146
Amount: 0.976567
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:32:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

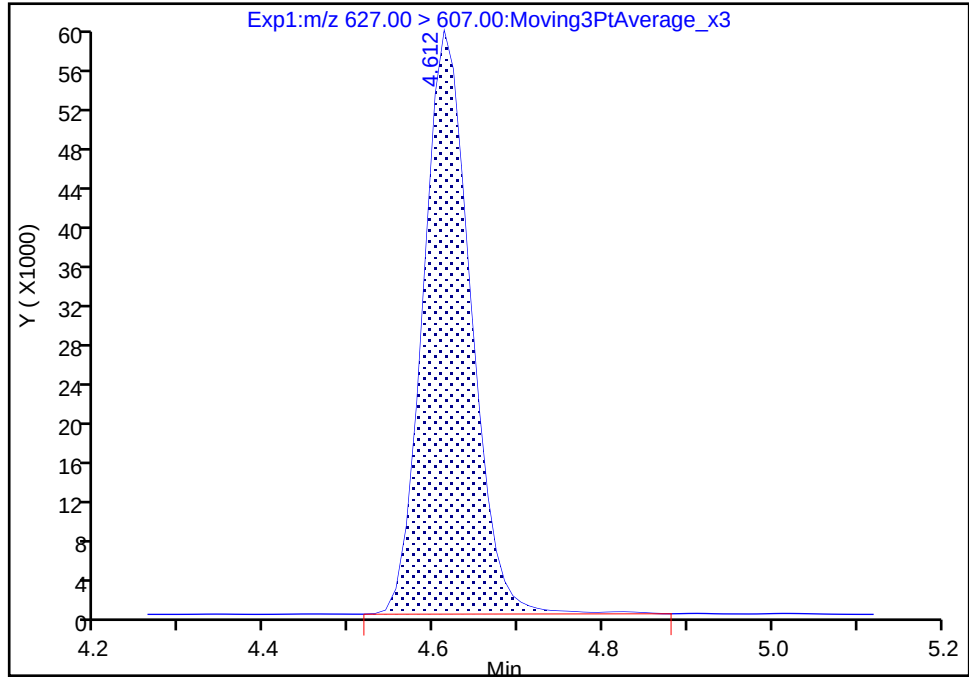
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

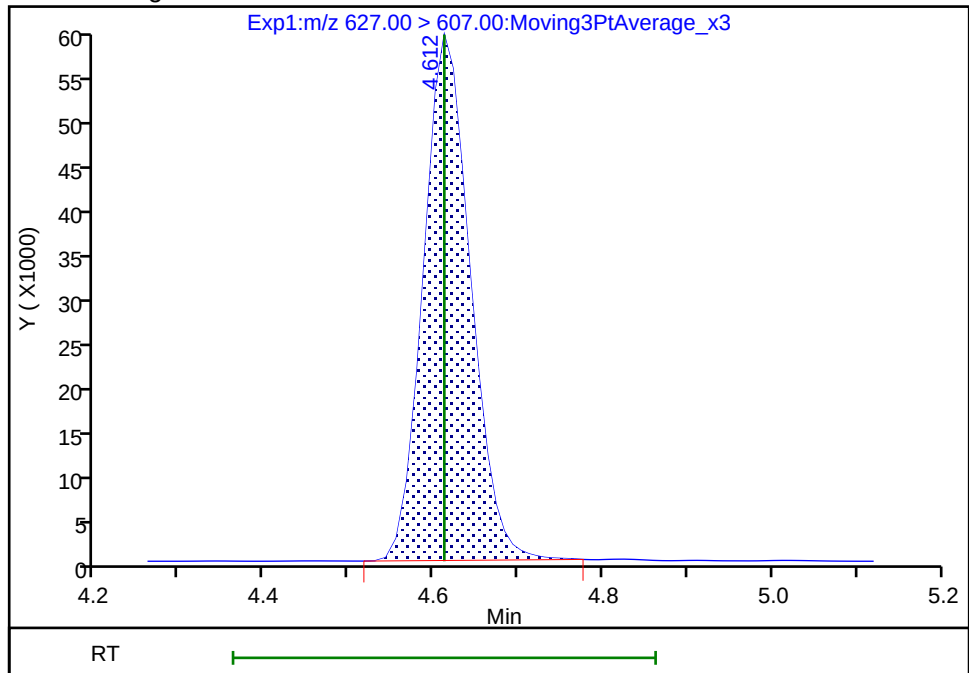
RT: 4.61
Area: 231961
Amount: 0.882195
Amount Units: ng/ml

Processing Integration Results



RT: 4.61
Area: 230011
Amount: 0.874779
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:32:23
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

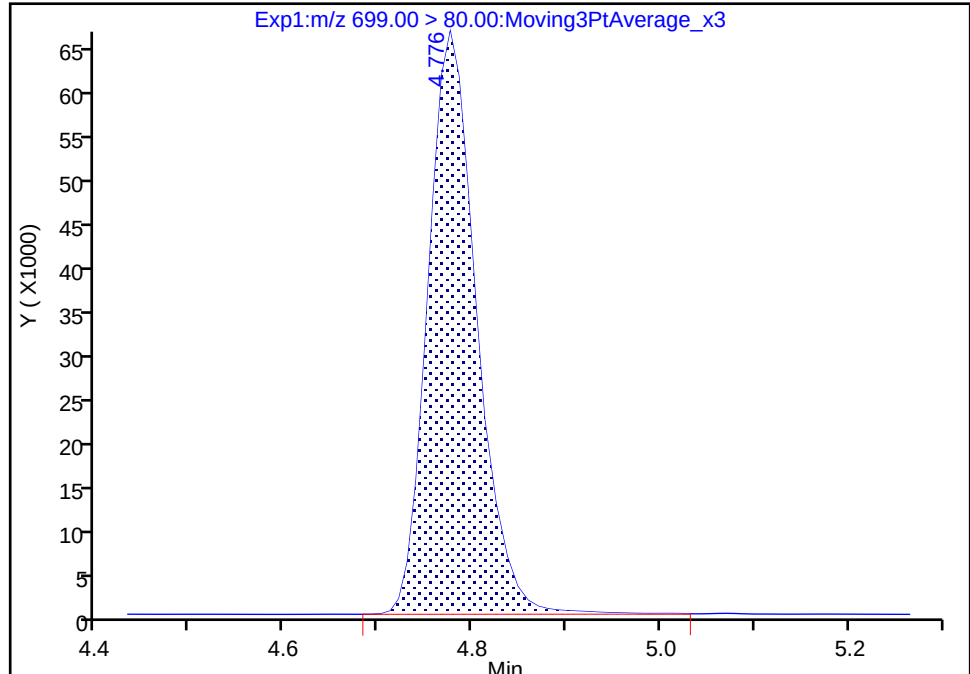
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

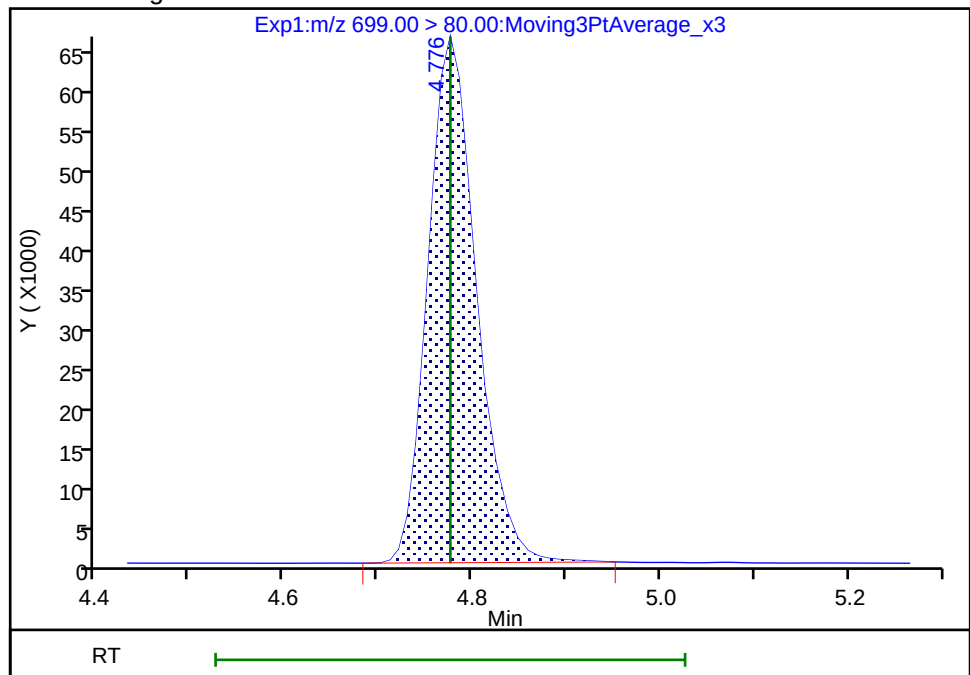
RT: 4.78
Area: 238904
Amount: 0.861661
Amount Units: ng/ml

Processing Integration Results



RT: 4.78
Area: 237361
Amount: 0.856095
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:32:28
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

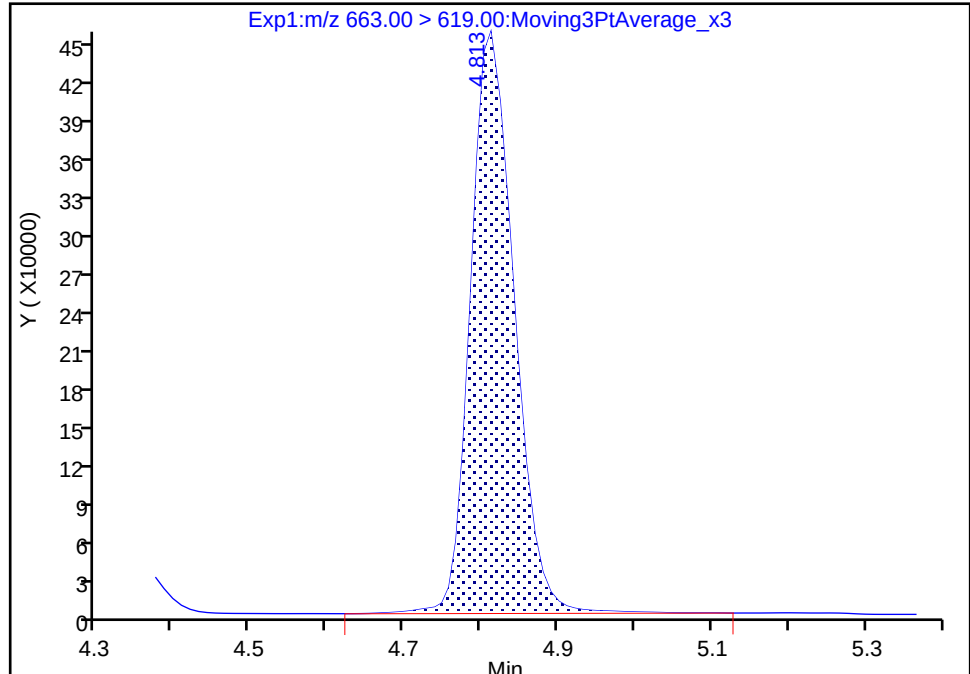
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

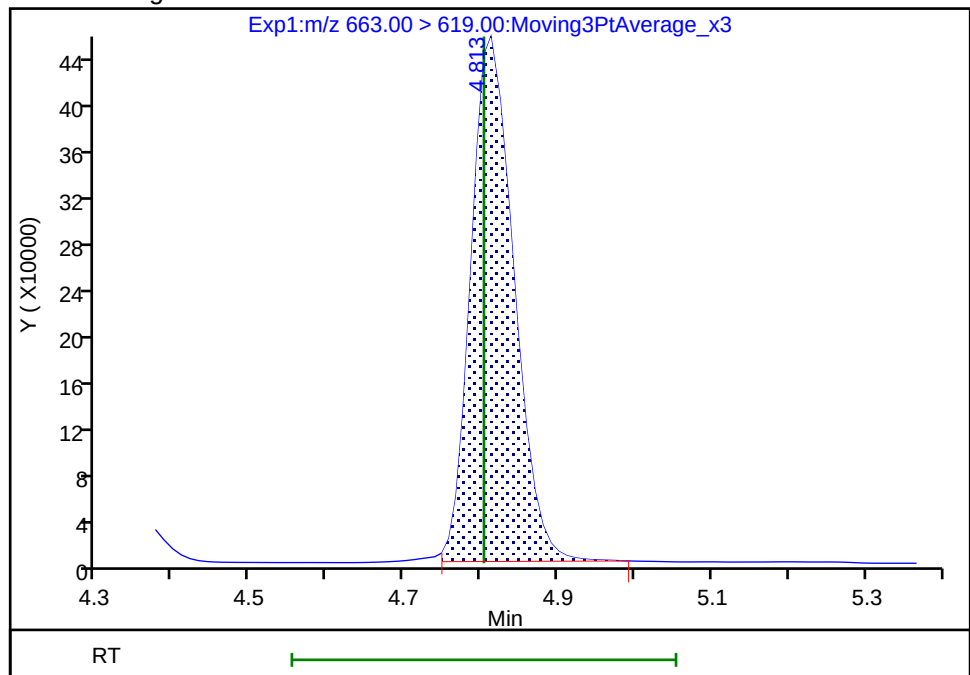
RT: 4.81
Area: 1771634
Amount: 0.927951
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 1741096
Amount: 0.911955
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:32:40
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

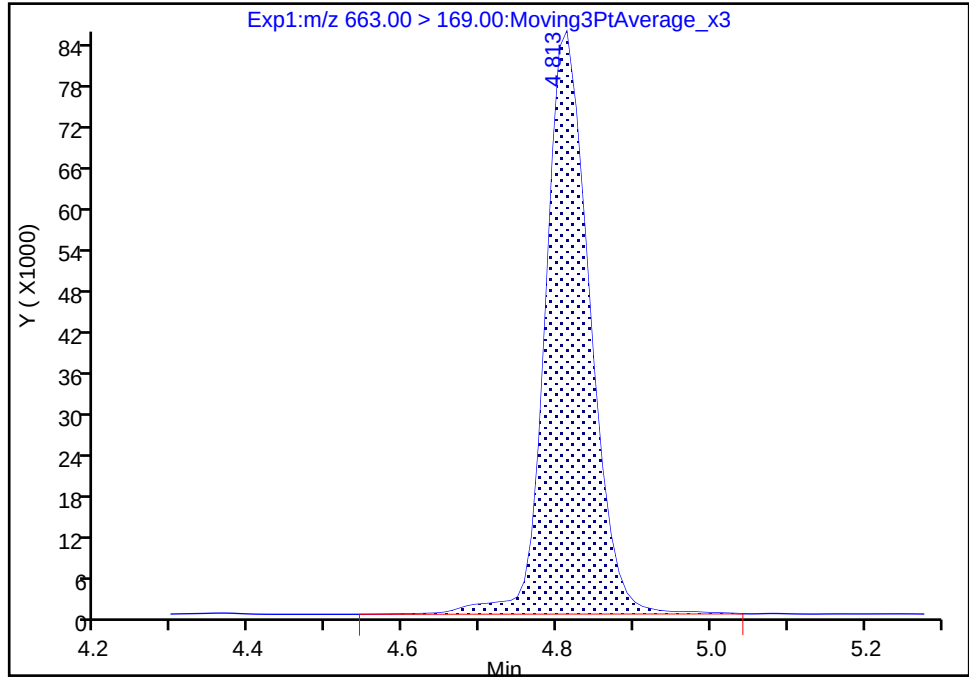
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

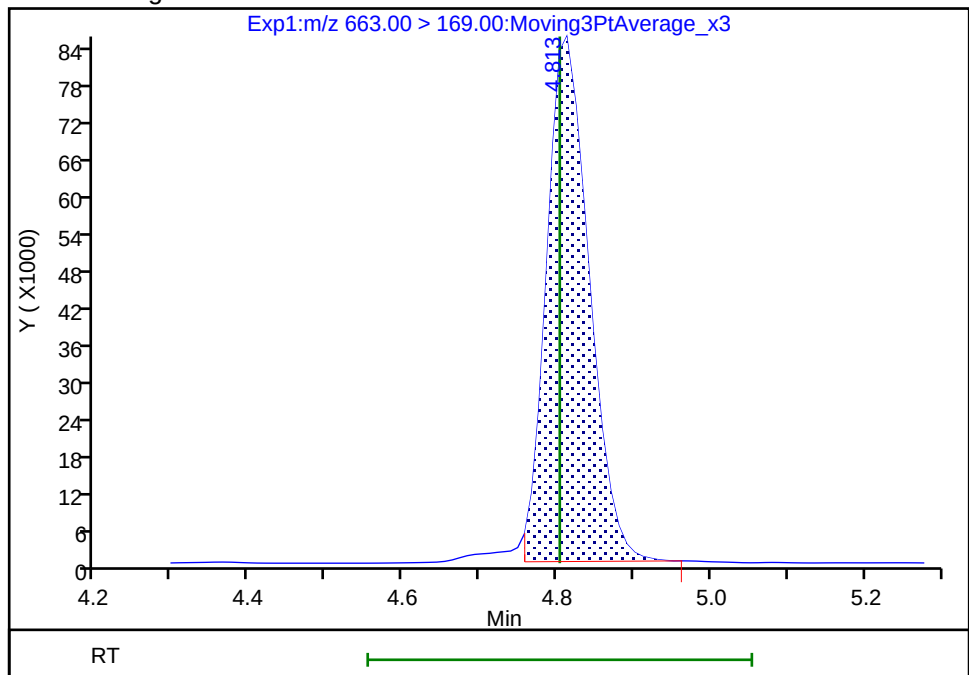
RT: 4.81
Area: 339583
Amount: 0.927951
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 325181
Amount: 0.911955
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:32:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

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Eurofins Burlington

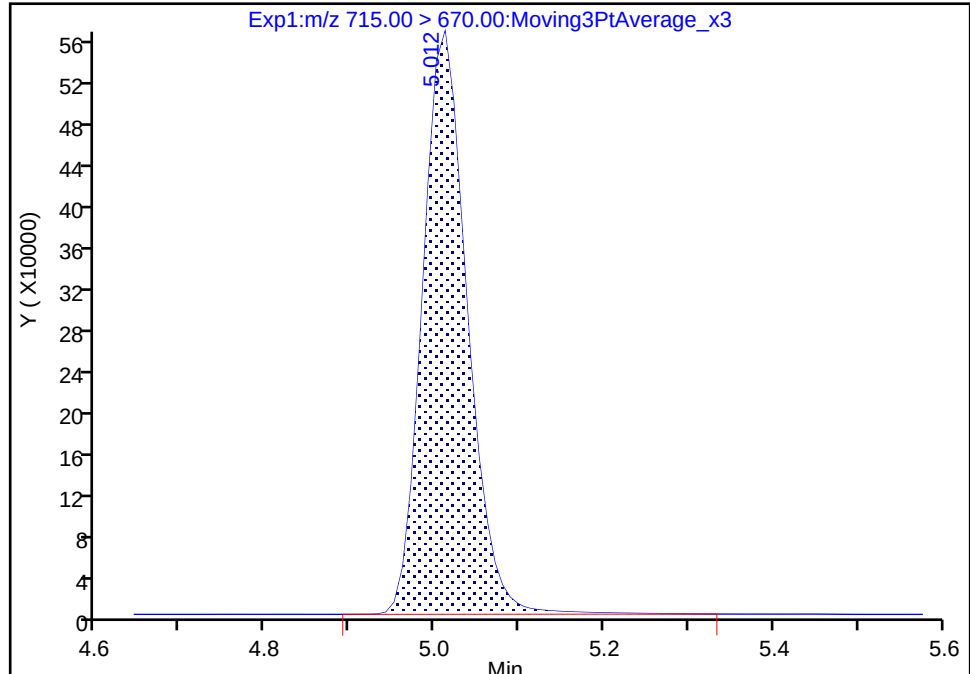
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

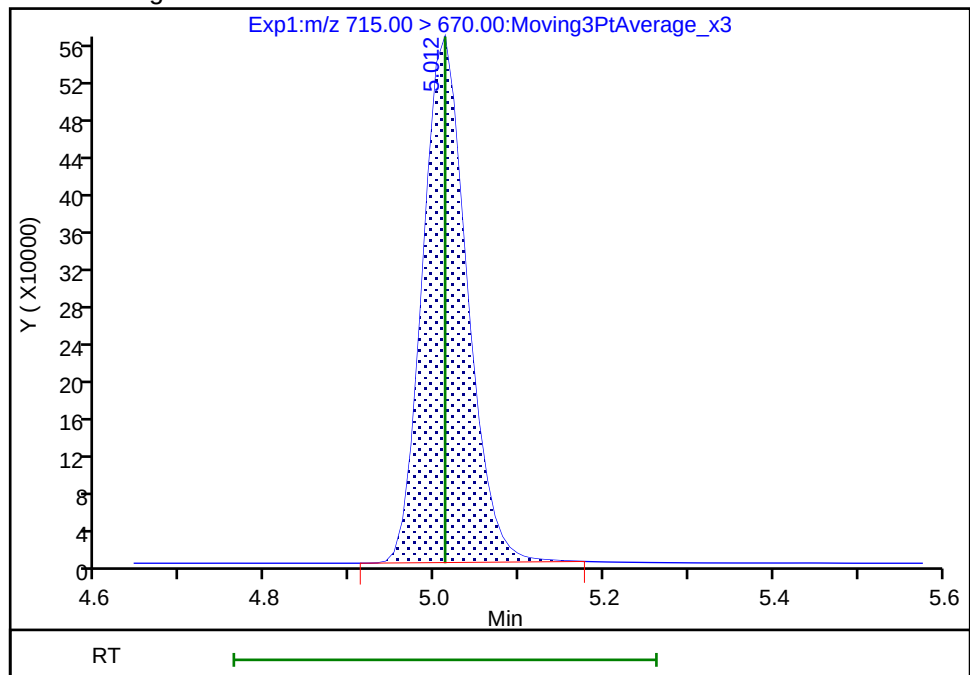
RT: 5.01
Area: 2079061
Amount: 1.082778
Amount Units: ng/ml

Processing Integration Results



RT: 5.01
Area: 2059701
Amount: 1.072695
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:32:51
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

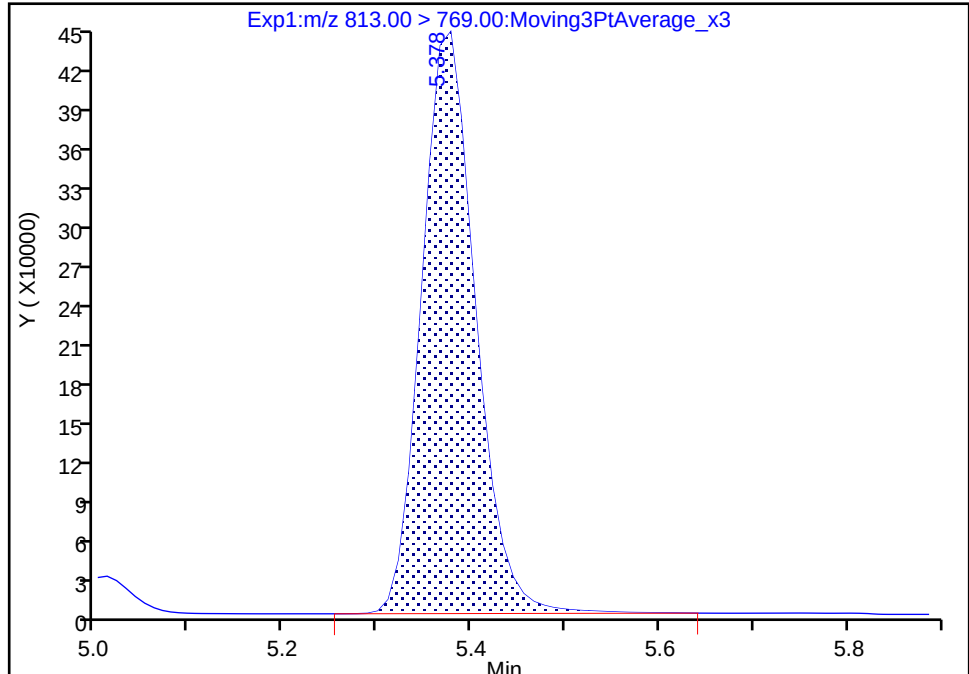
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

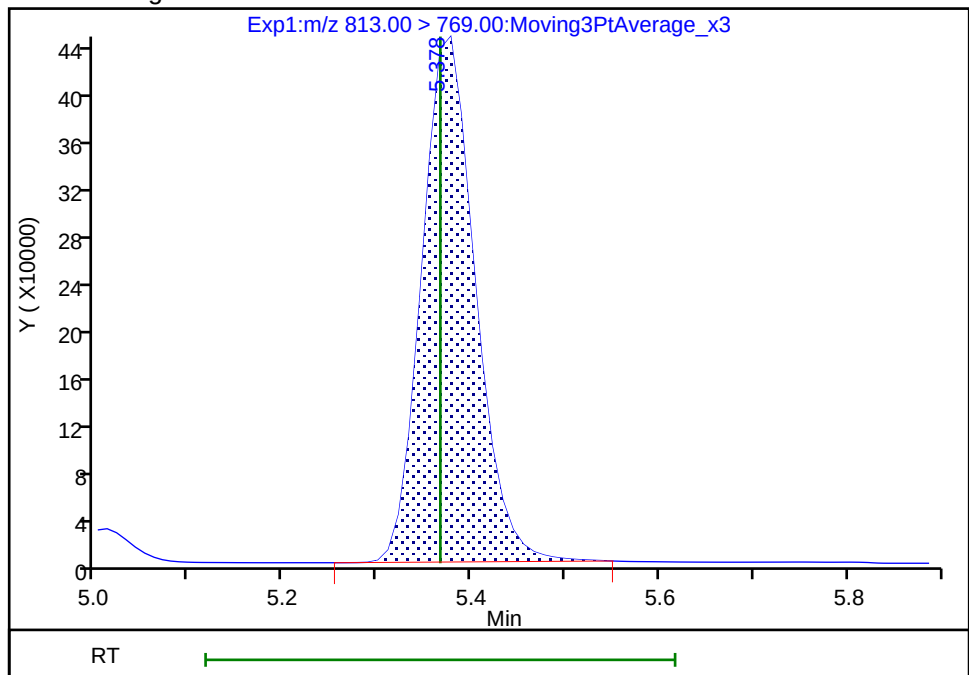
RT: 5.38
Area: 1762767
Amount: 0.891091
Amount Units: ng/ml

Processing Integration Results



RT: 5.38
Area: 1751027
Amount: 0.885043
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:32:58
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

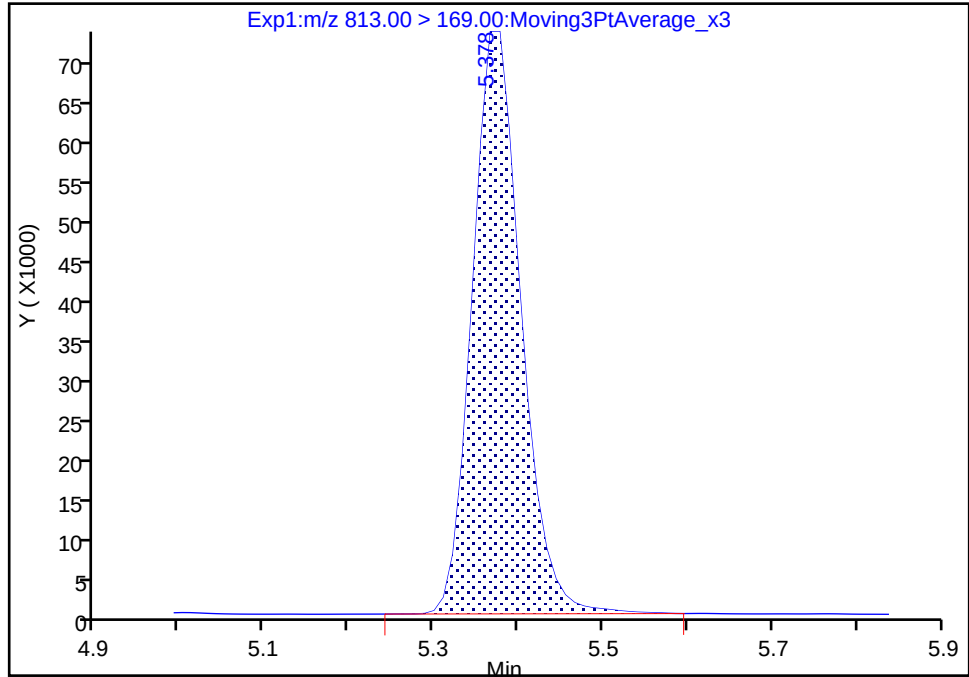
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

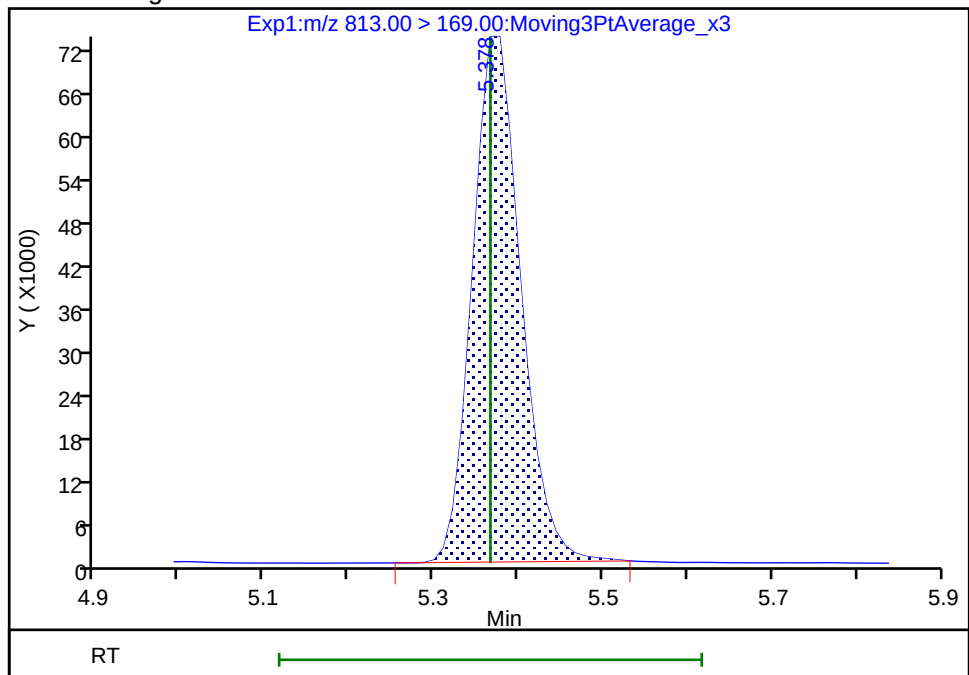
RT: 5.38
Area: 294445
Amount: 0.891091
Amount Units: ng/ml

Processing Integration Results



RT: 5.38
Area: 292027
Amount: 0.885043
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:33:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

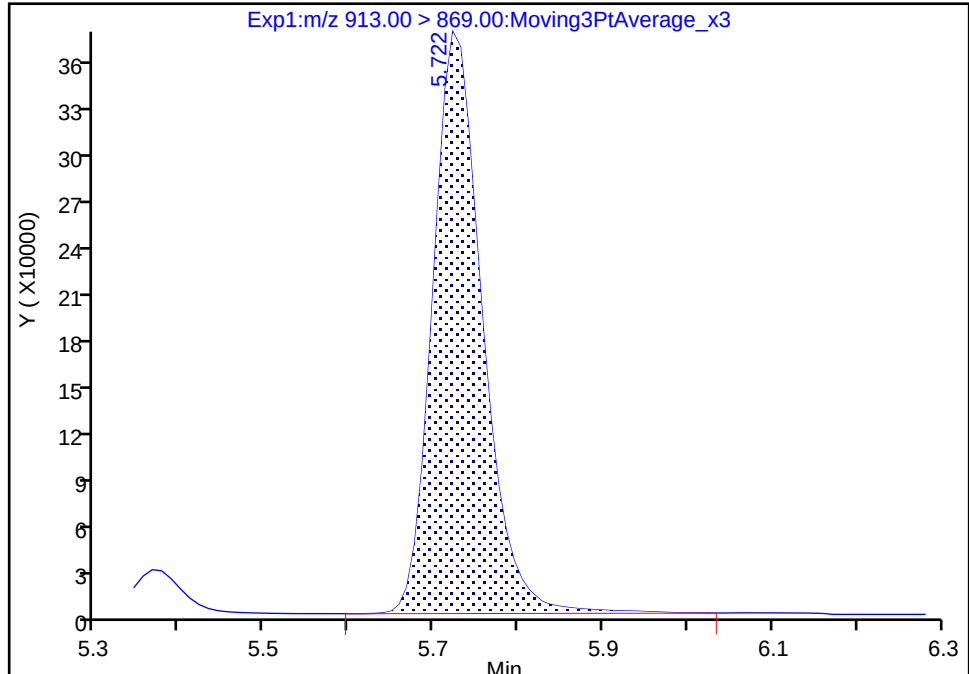
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

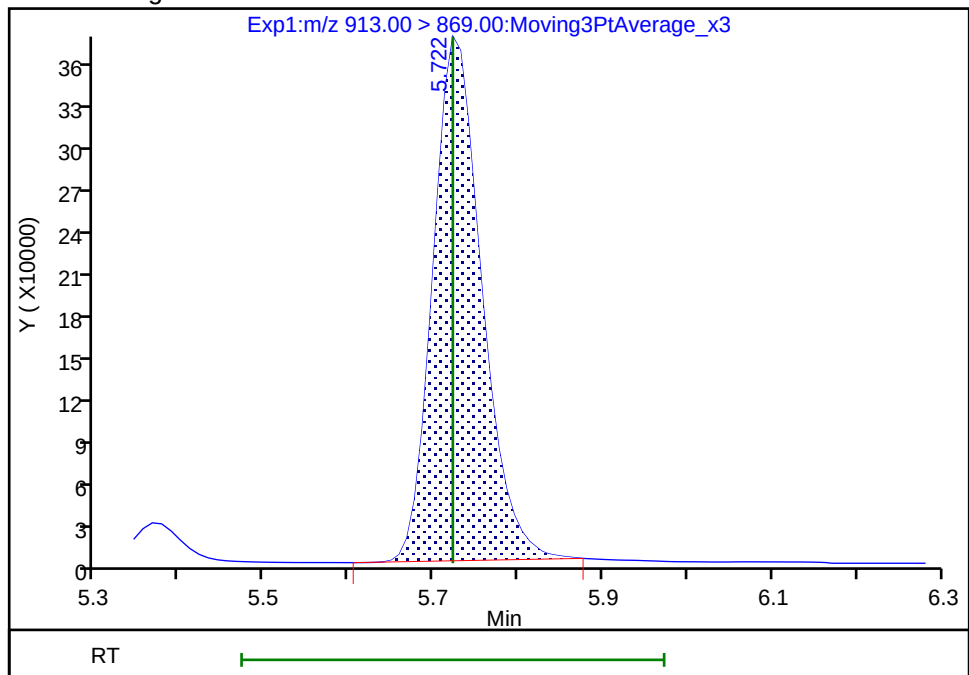
RT: 5.72
Area: 1522976
Amount: 0.876013
Amount Units: ng/ml

Processing Integration Results



RT: 5.72
Area: 1490002
Amount: 0.857046
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:33:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

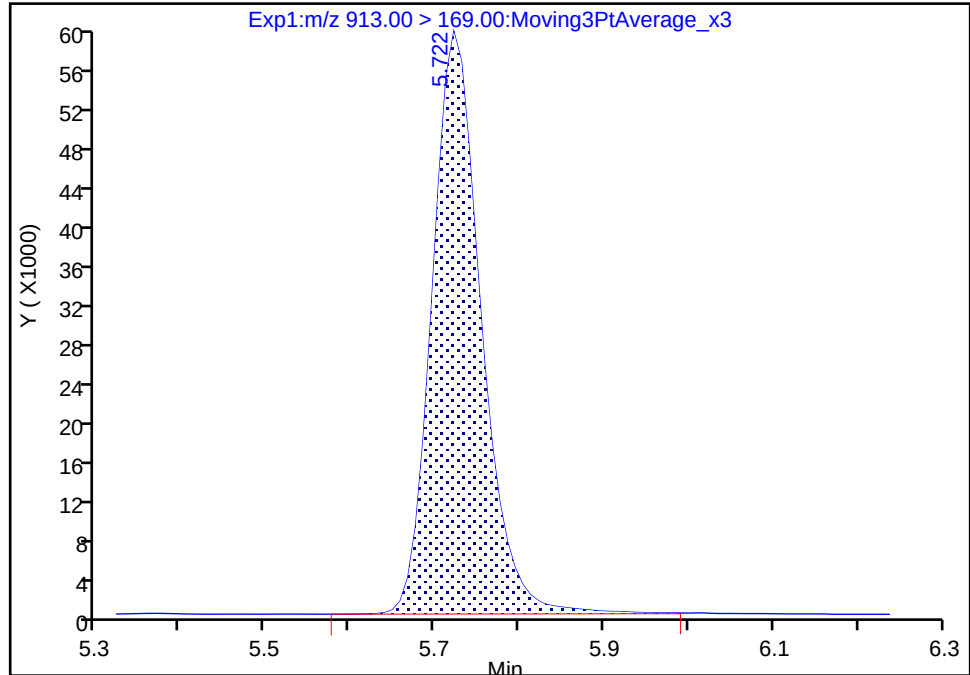
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

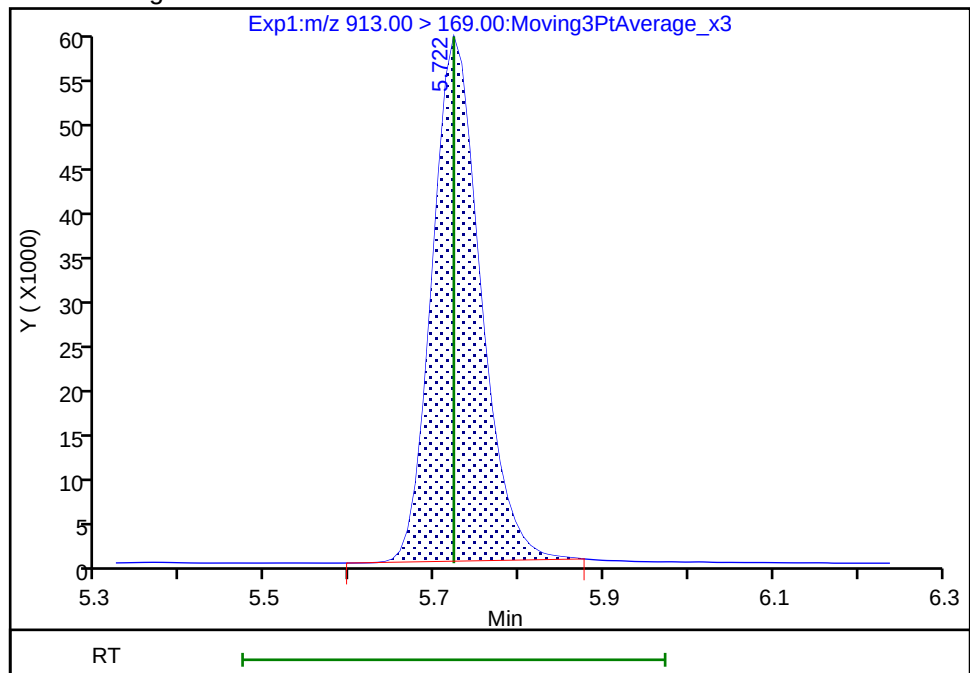
RT: 5.72
Area: 238468
Amount: 0.876013
Amount Units: ng/ml

Processing Integration Results



RT: 5.72
Area: 233541
Amount: 0.857046
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:33:09

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

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2:52 PM

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-271302-1

SDG No.: _____

Lab Sample ID: CCVLIS 200-186869/5 Calibration Date: 12/19/2022 14:22

Instrument ID: LC812 Calib Start Date: 11/18/2022 14:29

GC Column: C-18 ID: 4.60 (mm) Calib End Date: 11/18/2022 15:10

Lab File ID: PA221219A05.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	1.031	1.033		0.125	0.125	0.2	50.0
Perfluoropentanoic acid (PFPeA)	AveID	1.090	1.121		0.0514	0.0500	2.9	50.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.144	1.094		0.0423	0.0442	-4.4	50.0
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	3.081	2.898		0.0439	0.0467	-5.9	50.0
Perfluorohexanoic acid (PFHxA)	AveID	1.090	1.148		0.0527	0.0500	5.4	50.0
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.335	1.292		0.0454	0.0469	-3.3	50.0
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.056	0.9687		0.0917	0.100	-8.3	50.0
Perfluoroheptanoic acid (PFHpA)	AveID	1.089	1.023		0.0470	0.0500	-6.0	50.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.129	1.153		0.0465	0.0455	2.2	50.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	5.507	5.122		0.0438	0.0471	-7.0	50.0
6:2 FTS	L1ID		2.248		0.114	0.119	-3.6	50.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.397	1.306		0.0445	0.0476	-6.5	50.0
Perfluorooctanoic acid (PFOA)	AveID	1.069	1.044		0.0488	0.0500	-2.4	50.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.216	1.323		0.0505	0.0464	8.8	50.0
Perfluorononanoic acid (PFNA)	AveID	1.037	0.9849		0.0475	0.0500	-5.1	50.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	AveID	2.791	2.797		0.0467	0.0466	0.2	50.0
Perfluorononanesulfonic acid (PFNS)	AveID	0.9179	0.8902		0.0466	0.0480	-3.0	50.0
8:2 FTS	AveID	1.617	1.681		0.0498	0.0479	4.0	50.0
Perfluorodecanoic acid (PFDA)	AveID	1.084	1.003		0.0462	0.0500	-7.5	50.0
Perfluorooctanesulfonamide (FOSA)	AveID	1.045	0.9785		0.0468	0.0500	-6.3	50.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	L1ID		0.8385		0.110	0.125	-11.8	50.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.7248	0.7325		0.0487	0.0482	1.1	50.0
Perfluoroundecanoic acid (PFUnA)	AveID	1.008	1.015		0.0504	0.0500	0.7	50.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.8953	0.8953		0.125	0.125	0.0	50.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF)	AveID	4.303	4.378		0.0479	0.0471	1.7	50.0
Perfluorododecanoic acid (PFDoA)	AveID	1.059	1.091		0.0515	0.0500	3.0	50.0
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	AveID	0.9717	1.035		0.0513	0.0482	6.5	50.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.3067	0.3126		0.0493	0.0484	1.9	50.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-271302-1
 SDG No.: _____
 Lab Sample ID: CCVLIS 200-186869/5 Calibration Date: 12/19/2022 14:22
 Instrument ID: LC812 Calib Start Date: 11/18/2022 14:29
 GC Column: C-18 ID: 4.60 (mm) Calib End Date: 11/18/2022 15:10
 Lab File ID: PA221219A05.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorotridecanoic acid (PFTrIA)	AveID	1.013	1.002		0.0494	0.0500	-1.1	50.0
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1369	0.1370		0.0500	0.0500	0.0	50.0
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		1.045		0.0397	0.0500	-20.5	50.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.8236	0.7604		0.0462	0.0500	-7.7	50.0
13C4 PFBA	Ave	1.122	1.037		1.16	1.25	-7.5	
13C5 PFPeA	Ave	0.8543	0.8111		1.19	1.25	-5.1	
13C3 PFBS	Ave	0.9281	0.9536		1.19	1.16	2.7	
M2-4:2 FTS	Ave	0.0820	0.0809		1.15	1.17	-1.4	
13C2 PFHxA	Ave	0.8951	0.8708		1.22	1.25	-2.7	
13C3 HFPO-DA	Ave	0.1580	0.1538		1.22	1.25	-2.7	
13C4 PFHpA	Ave	0.9206	0.8970		1.22	1.25	-2.6	
18O2 PFHxS	Ave	0.6761	0.7267		1.27	1.18	7.5	
M2-6:2 FTS	Ave	0.1134	0.1136		1.19	1.19	0.2	
13C4 PFOA	Ave	1.035	1.038		1.25	1.25	0.3	
13C4 PFOS	Ave	0.4588	0.4830		1.26	1.20	5.3	
13C5 PFNA	Ave	1.006	1.048		1.30	1.25	4.2	
13C2 PFDA	Ave	1.025	1.144		1.40	1.25	11.6	
M2-8:2 FTS	Ave	0.1387	0.1410		1.22	1.20	1.7	
13C8 FOSA	Ave	0.8403	0.8698		1.29	1.25	3.5	
d3-NMeFOSAA	Ave	0.2087	0.2125		1.27	1.25	1.8	
13C2 PFUnA	Ave	0.9385	1.032		1.38	1.25	10.0	
d5-NEtFOSAA	Ave	0.2055	0.2054		1.25	1.25	-0.0	
13C2 PFDoA	Ave	0.9562	0.9910		1.30	1.25	3.6	
13C2 PFTeDA	Ave	0.8270	0.9937		1.50	1.25	20.2	
13C2 PFHxDA	Ave	1.022	1.254		1.53	1.25	22.7	

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d
 Lims ID: CCVLIS
 Client ID:
 Sample Type: CCVLIS
 Inject. Date: 19-Dec-2022 14:22:54 ALS Bottle#: 2 Worklist Smp#: 5
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: CCVLIS
 Misc. Info.: 200-0053735-005 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 21-Dec-2022 15:58:17 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1638

First Level Reviewer: Z1IP

Date: 19-Dec-2022 15:56:58

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.086	2.076	0.010	0.604	2729168	1.16		92.5	9665	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.086	2.076	0.010	1.000	282050	0.1253		100	30.9	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.404	2.387	0.017	0.696	2134173	1.19		94.9	3379	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.404	2.387	0.017	1.000	95714	0.0514		103	2.8	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.418	2.400	0.018	0.700	2333621	1.19		103	273889	M
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.418	2.400	0.018	1.000	97084	0.0423	Target=2.09	95.6	128	
298.90 > 99.00	2.418	2.400	0.018	1.000	46280		2.10(1.04-3.13)		42.1	
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.708	2.689	0.019	1.000	23045	0.0439		94.1	237	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.708	2.689	0.019	0.784	198826	1.15		98.6	163	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.745	2.725	0.020	0.795	2291382	1.22		97.3	3805	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.745	2.725	0.020	1.000	105262	0.0527	Target=14.25	105	23.1	M
313.00 > 119.00	2.745	2.725	0.020	1.000	7804		13.49(7.12-21.37)		13.7	M
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.745	2.737	0.008	0.884	92671	0.0454	Target=3.04	96.7	128	
349.00 > 99.00	2.745	2.737	0.008	0.884	29998		3.09(1.52-4.56)		72.1	
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.854	2.835	0.019	1.004	31357	0.0917		91.7	220	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	2.842	2.835	0.007	0.823	404608	1.22		97.3	1906	
D 11 18O2 PFHxS										
403.00 > 84.00	3.105	3.088	0.017	0.899	1808998	1.27		107	2483	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.105	3.088	0.017	1.000	80251	0.0465	Target=3.66	102	146	M
399.00 > 99.00	3.094	3.088	0.006	0.996	25064		3.20(1.83-5.49)		41.2	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.105	3.099	0.006	0.899	2360299	1.22		97.4	2077	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.105	3.099	0.006	1.000	96620	0.0470	Target=3.97	94.0	18.0	M
363.00 > 169.00	3.105	3.099	0.006	1.000	22306		4.33(1.98-5.95)		61.9	M
77 DONA										
377.00 > 251.00	3.138	3.132	0.006	0.832	245279	0.0438	Target=3.16	93.0	325	M
377.00 > 85.00	3.138	3.132	0.006	0.832	79451		3.09(1.58-4.73)		174	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.444	3.439	0.005	0.997	283961	1.19		100	656	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.444	3.439	0.005	1.000	63700	0.1142		96.4	136	M
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.444	3.439	0.005	0.914	63196	0.0445	Target=5.14	93.5	160	M
449.00 > 99.00	3.444	3.439	0.005	0.914	14492		4.36(2.57-7.72)		84.4	M
D 14 13C4 PFOA										
417.00 > 372.00	3.453	3.448	0.005	1.000	2731405	1.25		100	3129	M
* 62 13C2 PFOA										
415.00 > 370.00	3.453	3.448	0.005		2631261	1.25			2941	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.453	3.448	0.005	1.000	114019	0.0488	Target=2.79	97.6	9.6	M
413.00 > 169.00	3.453	3.448	0.005	1.000	38711		2.95(1.40-4.19)		63.1	M
D 18 13C4 PFOS										
503.00 > 80.00	3.770	3.764	0.006	1.092	1214906	1.26		105	2994	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.770	3.764	0.006	1.000	62399	0.0505	Target=5.11	109	71.1	M
499.00 > 99.00	3.760	3.764	-0.004	0.997	13418		4.65(2.55-7.66)		58.0	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.789	3.783	0.006	1.000	108628	0.0475	Target=8.55	94.9	25.9	
463.00 > 169.00	3.789	3.783	0.006	1.000	12634		8.60(4.28-12.83)		89.2	
D 19 13C5 PFNA										
468.00 > 423.00	3.789	3.783	0.006	1.097	2757265	1.30		104	3903	M
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.937	3.928	0.009	1.044	132504	0.0467		100	561	M
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.060	4.050	0.010	1.077	43443	0.0466	Target=2.53	97.0	480	
549.00 > 99.00	4.060	4.050	0.010	1.077	17243		2.52(1.27-3.80)		134	
D 23 13C2 PFDA										
515.00 > 470.00	4.092	4.081	0.011	1.185	3009237	1.39		112	5137	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	4.092	4.081	0.011	1.000	120693	0.0462	Target=10.26	92.5	52.2	
513.00 > 169.00	4.092	4.081	0.011	1.000	12674		9.52(5.13-15.38)		43.9	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.092	4.093	-0.001	1.185	355512	1.22		102	956	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.092	4.093	-0.001	1.000	23911	0.0498		104	246	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.149	4.150	-0.001	1.000	89577	0.0468		93.7	341	
D 21 13C8 FOSA										
506.00 > 78.00	4.149	4.150	-0.001	1.202	2288661	1.29		104	4100	
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.227	4.228	-0.001	1.224	559163	1.27		102	2440	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.237	4.228	0.009	1.002	46887	0.1102		88.2	40.3	
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.330	4.331	-0.001	1.149	35897	0.0487	Target=2.51	101	377	M
599.00 > 99.00	4.330	4.331	-0.001	1.149	13866		2.59(1.25-3.76)		206	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.352	4.353	-0.001	1.261	2715707	1.37		110	4654	
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.352	4.353	-0.001	1.000	110284	0.0504	Target=9.88	101	49.3	
563.00 > 169.00	4.352	4.353	-0.001	1.000	10551		10.45(4.94-14.82)		113	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.375	4.365	0.010	1.003	48380	0.1250		100	457	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.364	4.365	-0.001	1.264	540389	1.25		99.9	1183	
66 11-Chloroeicosafuoro-3-oxaundec										M
631.00 > 451.00	4.453	4.454	-0.001	1.181	209622	0.0479		102	816	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.590	4.591	-0.001	1.000	113801	0.0515	Target=7.77	103	9.8	M
613.00 > 169.00	4.590	4.591	-0.001	1.000	15169		7.50(3.89-11.66)		124	
D 36 13C2 PFDaA										
615.00 > 570.00	4.590	4.591	-0.001	1.329	2607478	1.30		104	4081	
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.611	4.612	-0.001	1.127	14806	0.0513		106	225	M
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.775	4.776	-0.001	1.267	15381	0.0493	Target=0.50	102	163	M
699.00 > 99.00	4.775	4.776	-0.001	1.267	29988		0.51(0.25-0.76)		622	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.812	4.804	0.008	1.048	104473	0.0494	Target=5.21	98.9	9.1	M
663.00 > 169.00	4.802	4.804	-0.002	1.046	19047		5.49(2.60-7.81)		129	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.011	5.012	-0.001	1.000	14324	0.0500	Target=0.89	100	129	
713.00 > 219.00	5.001	5.012	-0.011	0.998	15243		0.94(0.44-1.33)		144	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.011	5.012	-0.001	1.451	2614706	1.50		120	7532	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.366	5.367	-0.001	1.000	137932	0.0397	Target=5.65	79.5	13.2	
813.00 > 169.00	5.366	5.367	-0.001	1.000	22665		6.09(2.82-8.47)		135	
D 44 13C2 PFHxDA										
815.00 > 770.00	5.366	5.367	-0.001	1.554	3300418	1.53		123	4823	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.721	5.722	-0.001	1.066	100386	0.0462	Target=6.24	92.3	12.7	M
913.00 > 169.00	5.721	5.722	-0.001	1.066	14228		7.06(3.12-9.36)		179	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCLOQV_00023

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d

Injection Date: 19-Dec-2022 14:22:54

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

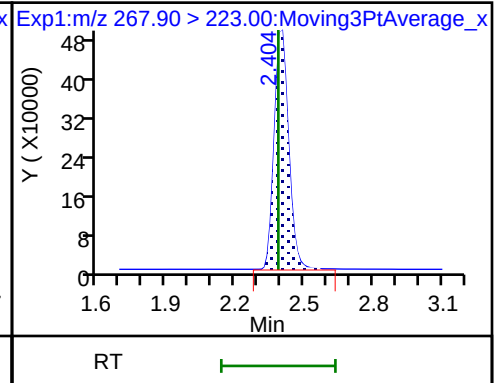
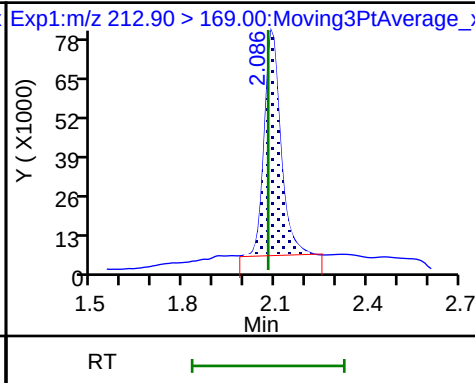
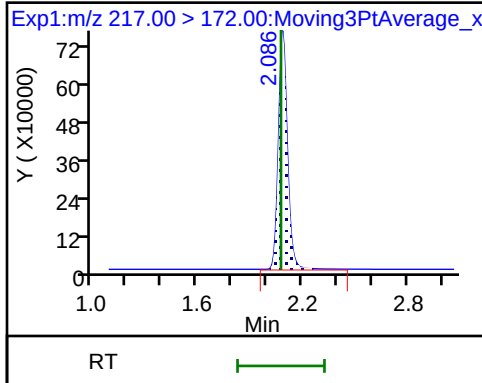
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

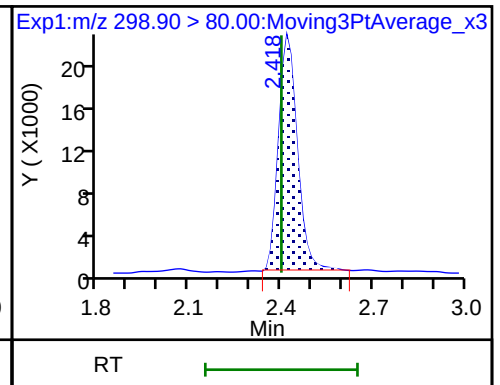
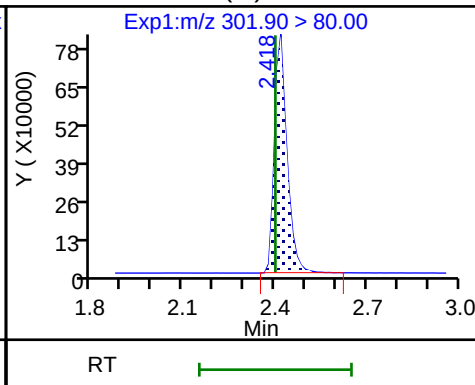
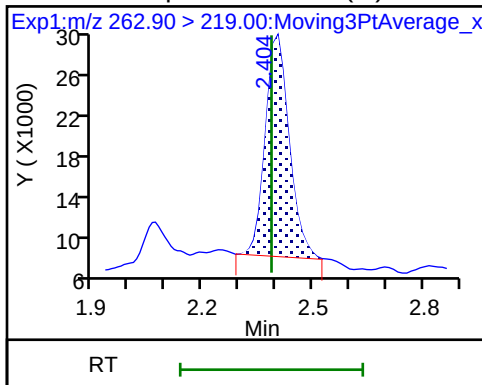
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS (M)

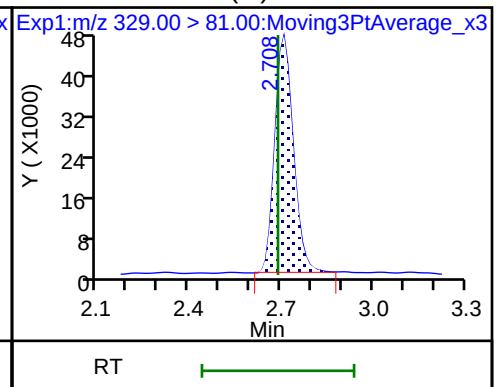
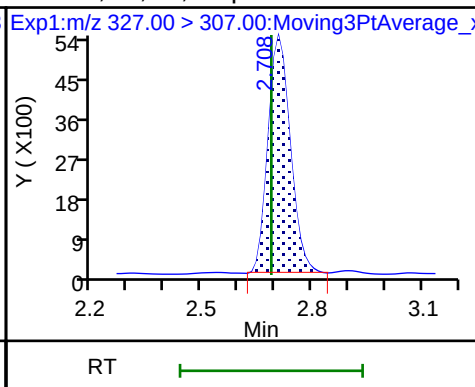
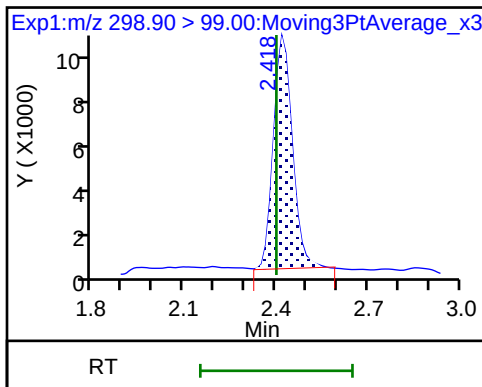
5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid

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

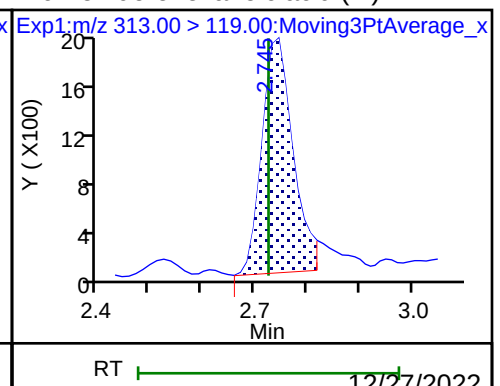
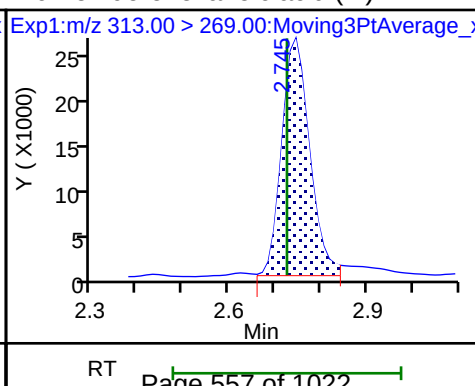
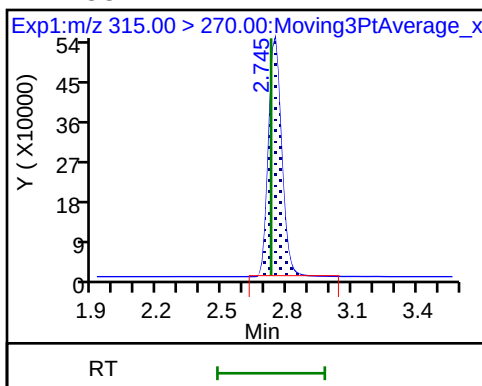
D 60 M2-4:2 FTS (M)

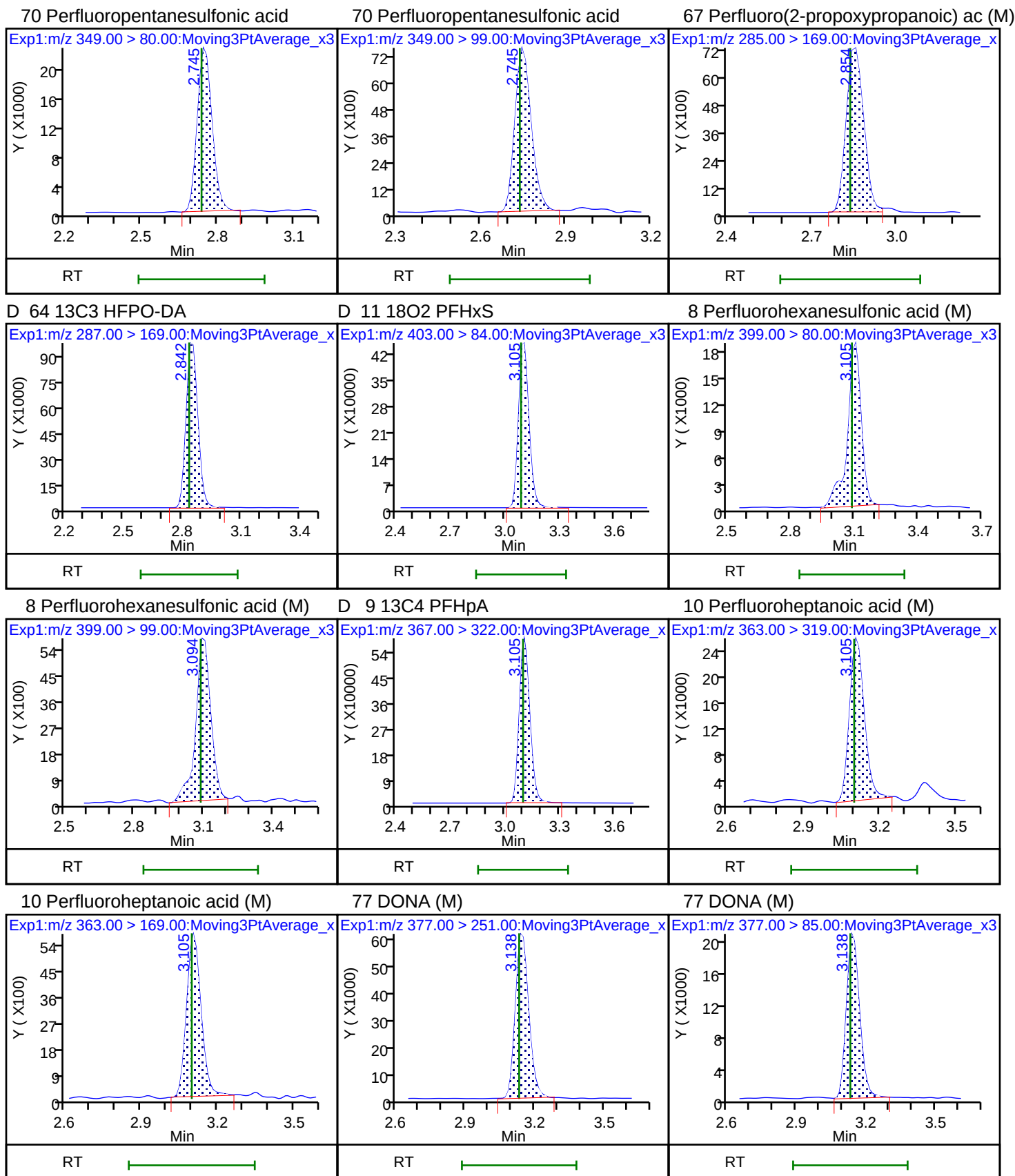


D 7 13C2 PFHxA

6 Perfluorohexanoic acid (M)

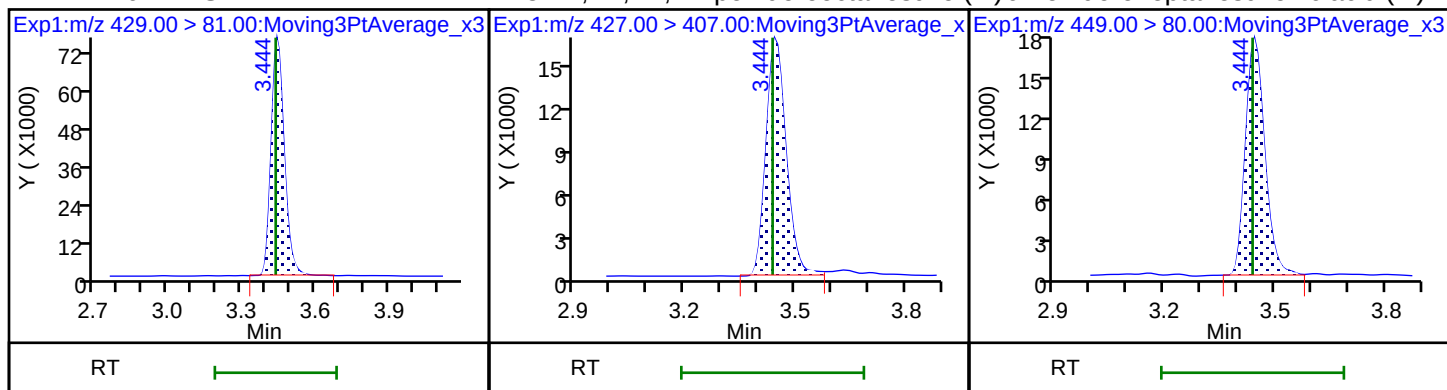
6 Perfluorohexanoic acid (M)





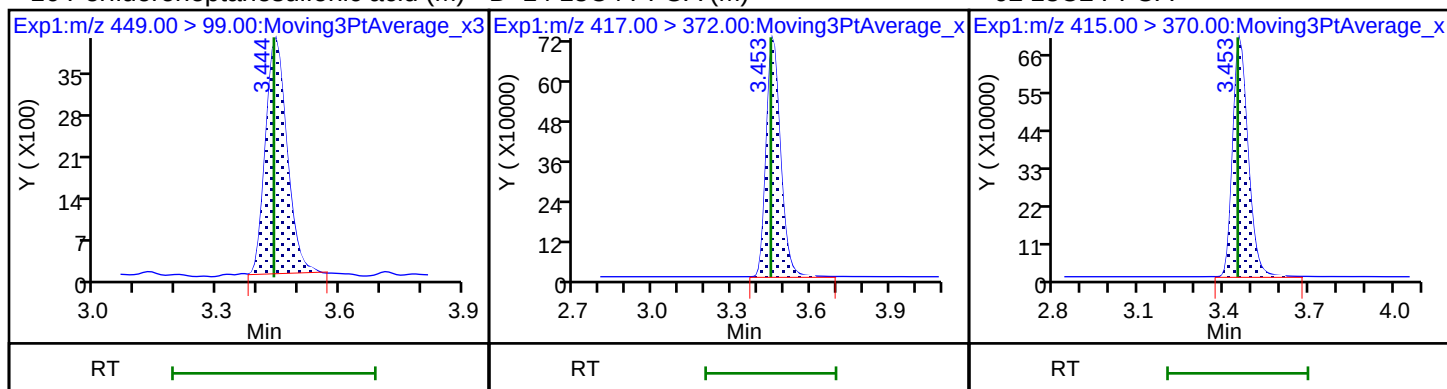
D 12 M2-6:2 FTS

13 1H,1H,2H,2H-perfluorooctanesulfo (M) 16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M) D 14 13C4 PFOA (M)

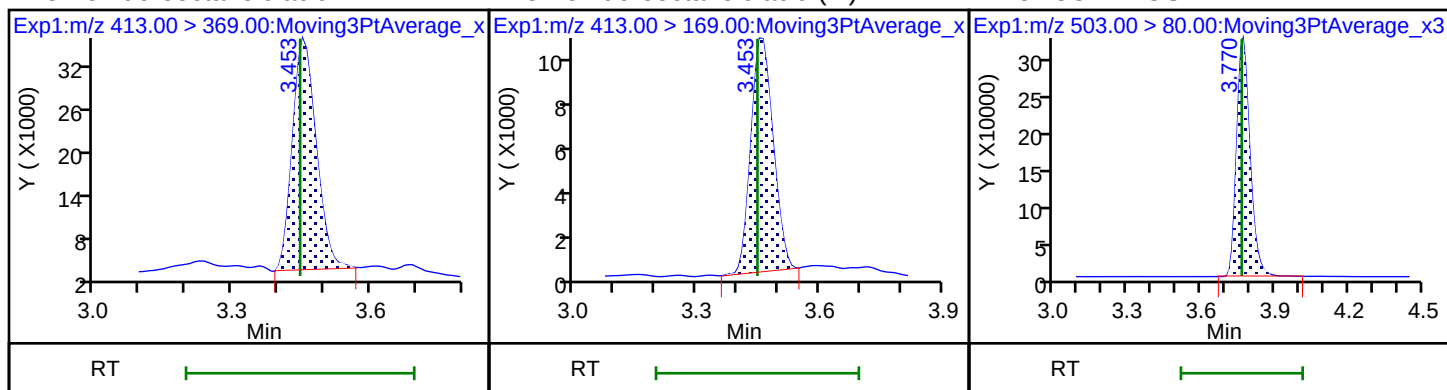
* 62 13C2 PFOA



15 Perfluorooctanoic acid

15 Perfluorooctanoic acid (M)

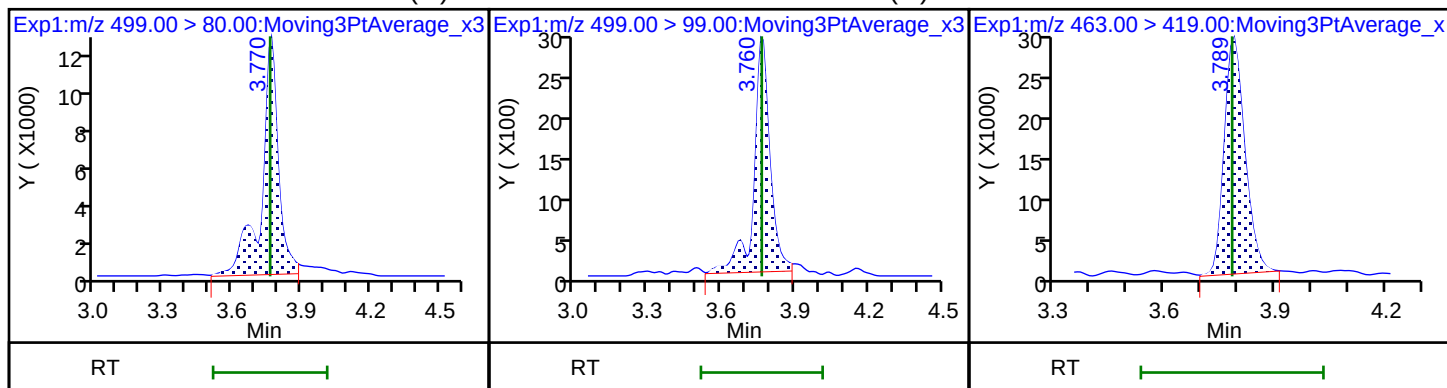
D 18 13C4 PFOS

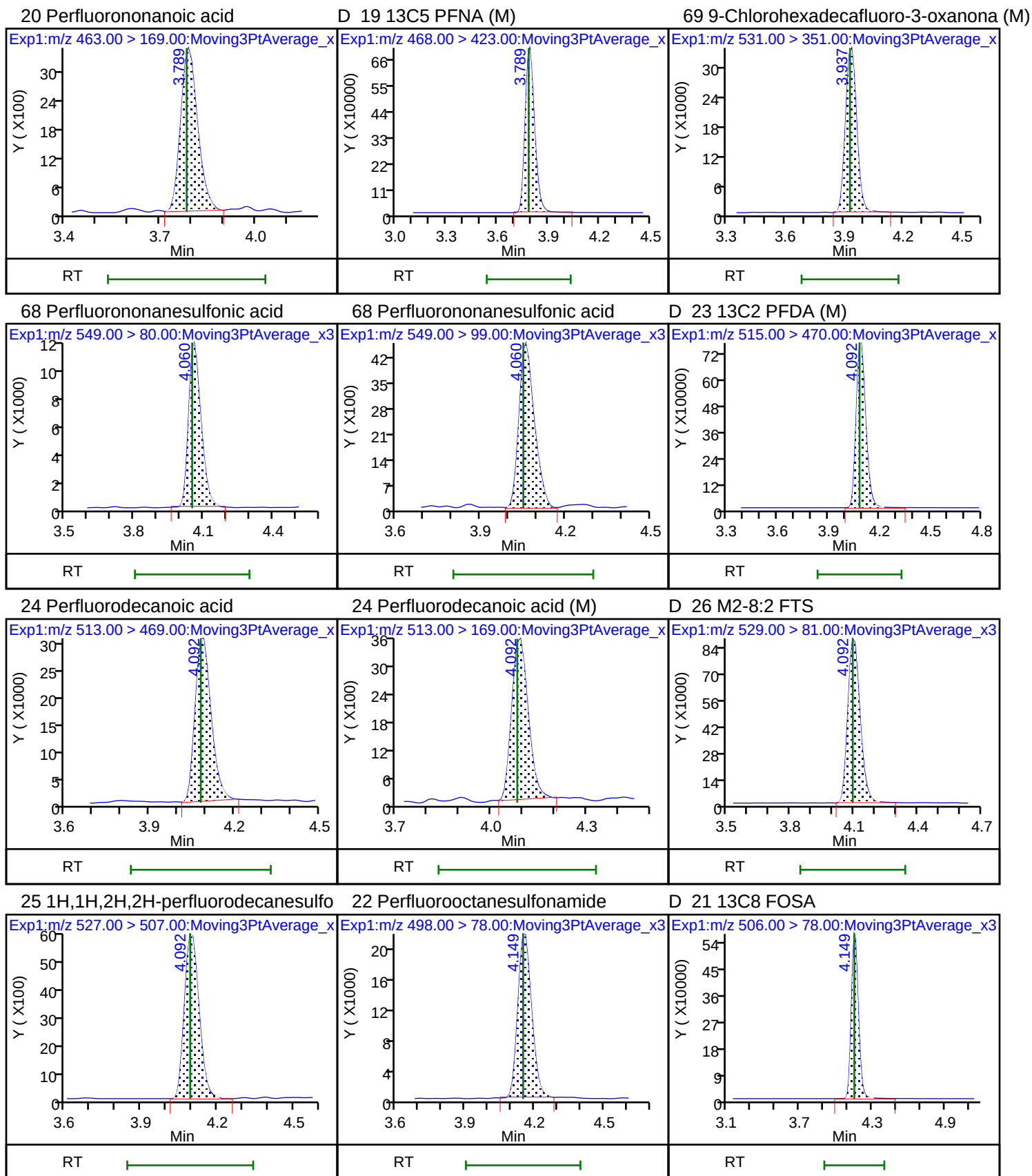


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid

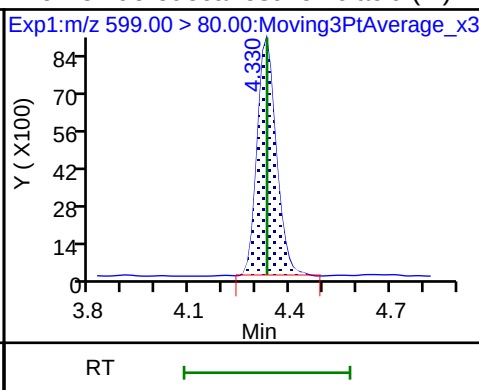
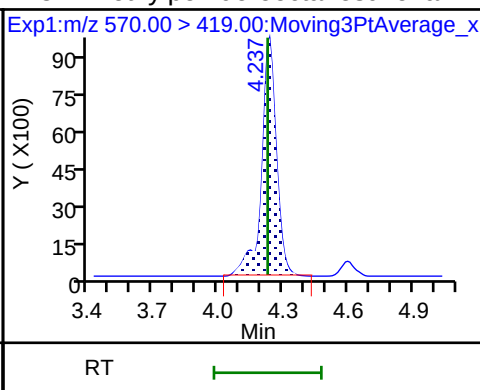
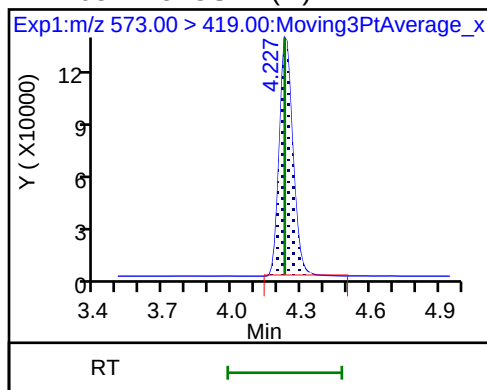




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami

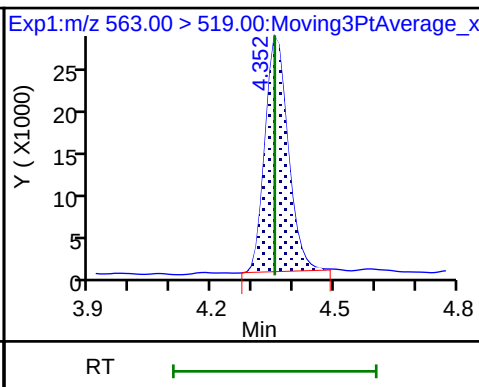
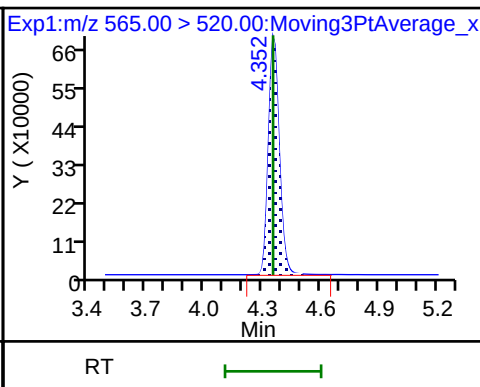
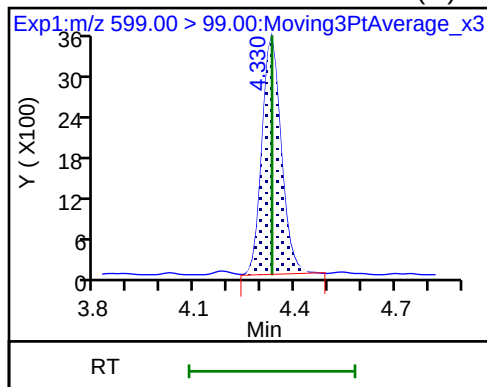
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUnA

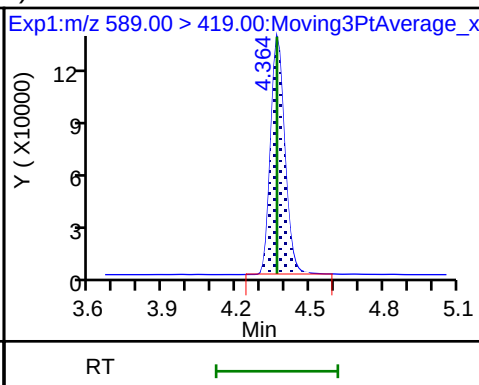
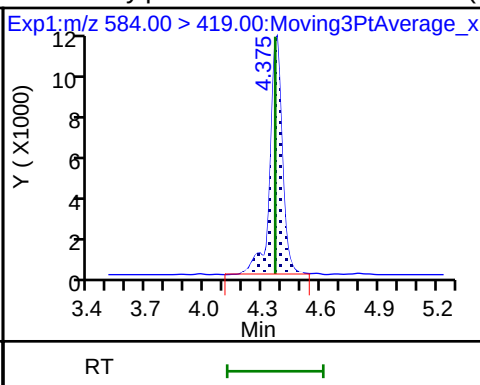
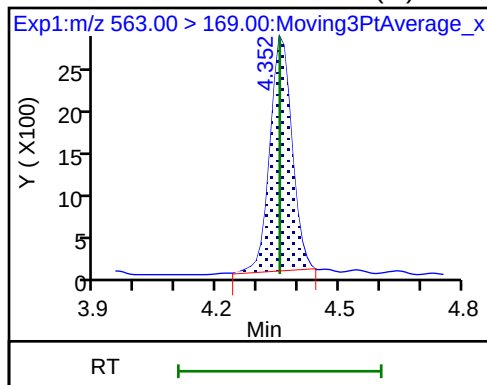
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid (M)

33 N-ethylperfluorooctanesulfonamid (M)

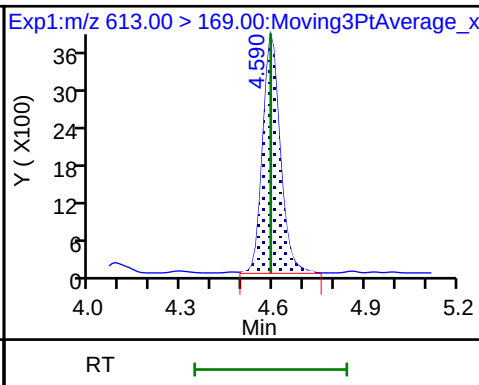
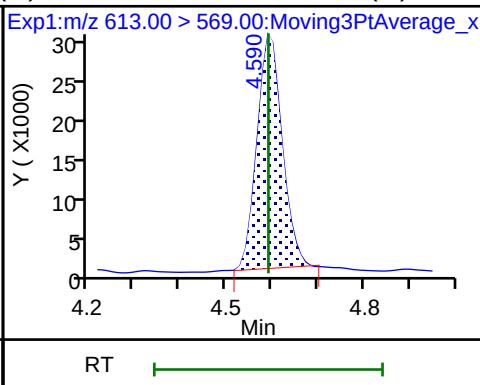
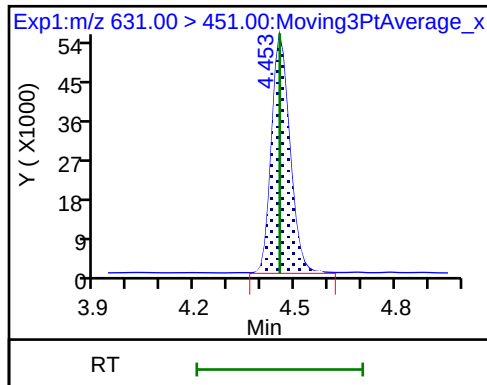
32 d5-NEtFOSAA



66 11-Chloroeicosafluoro-3-oxaundec (M)

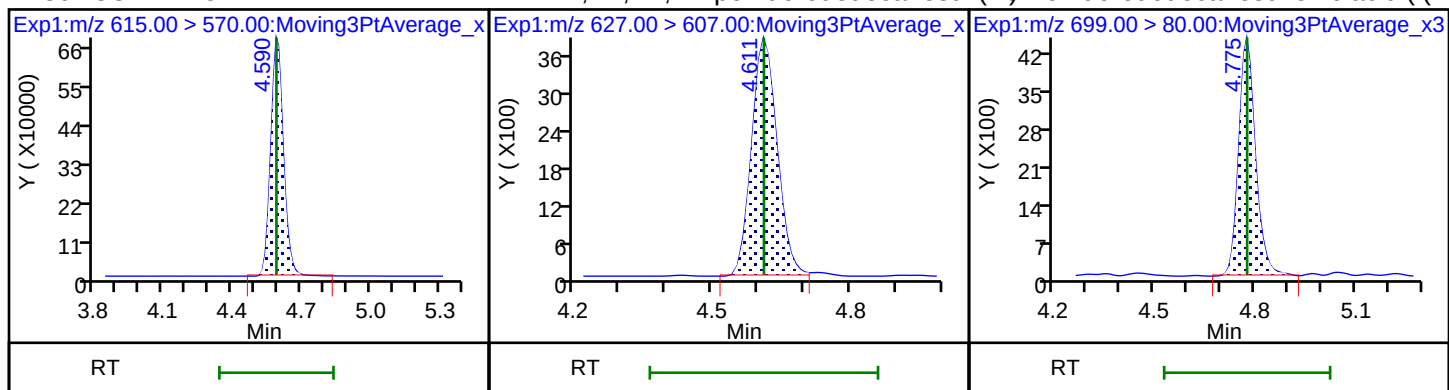
37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid



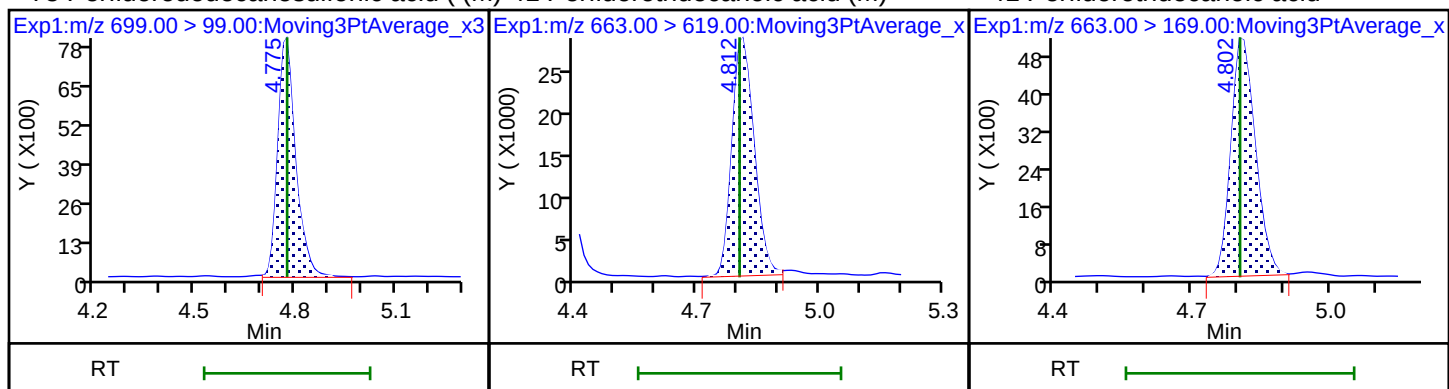
D 36 13C2 PFDaA

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



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

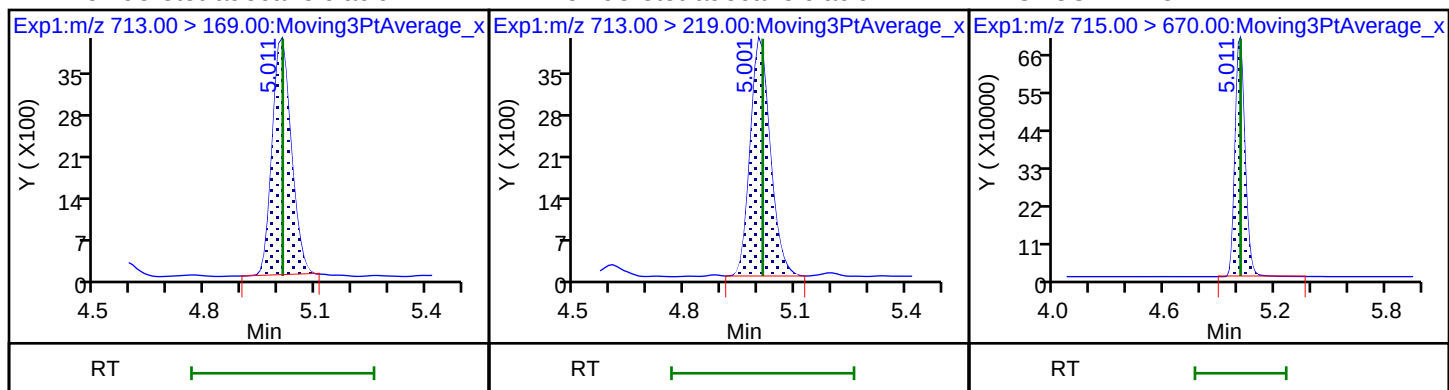
41 Perfluorotridecanoic acid



42 Perfluorotetradecanoic acid

42 Perfluorotetradecanoic acid

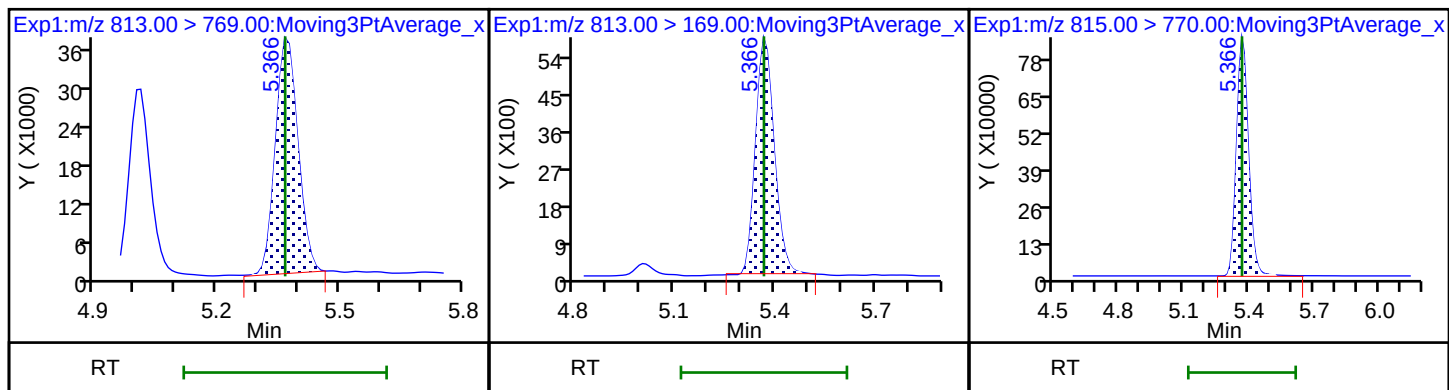
D 43 13C2 PFTeDA



45 Perfluorohexadecanoic acid

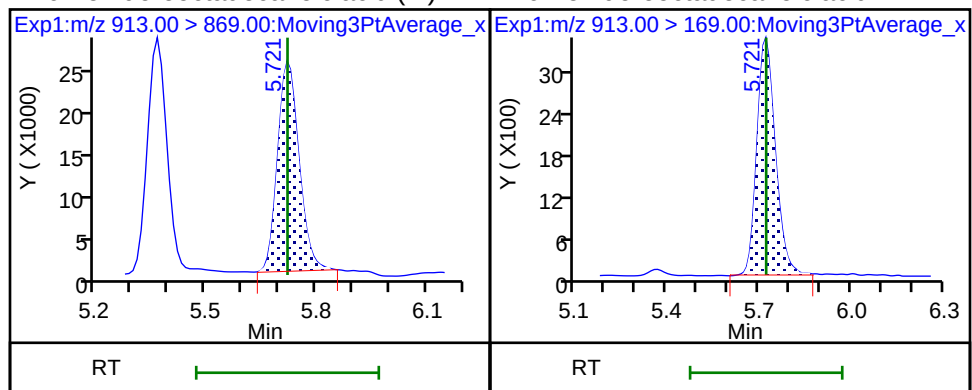
45 Perfluorohexadecanoic acid

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d

Injection Date: 19-Dec-2022 14:22:54

Instrument ID: LC812

Lims ID: CCVLIS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

2

Worklist Smp#: 5

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

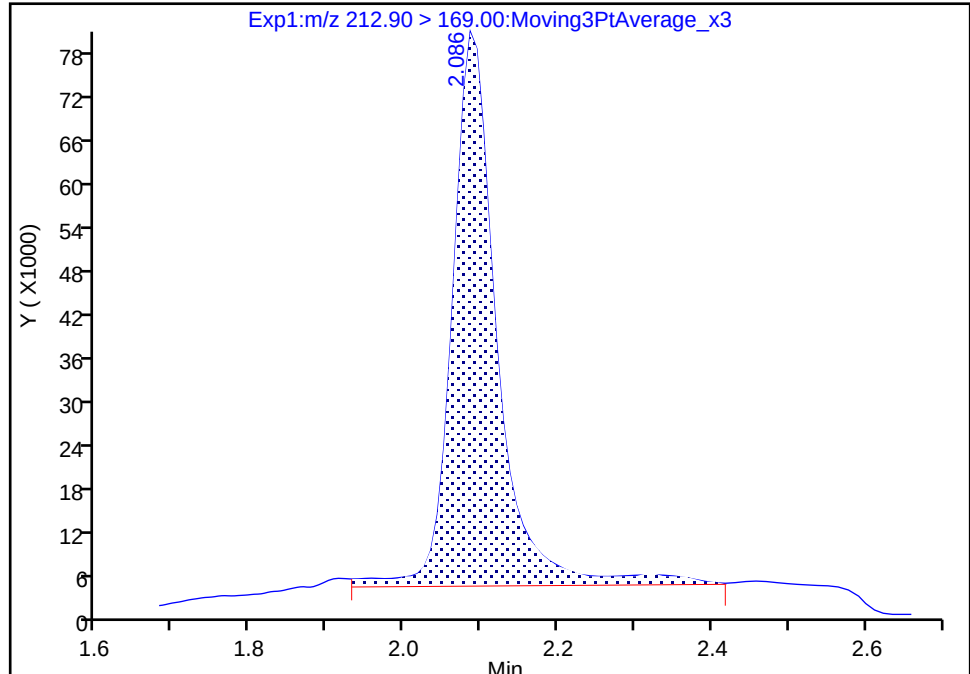
EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

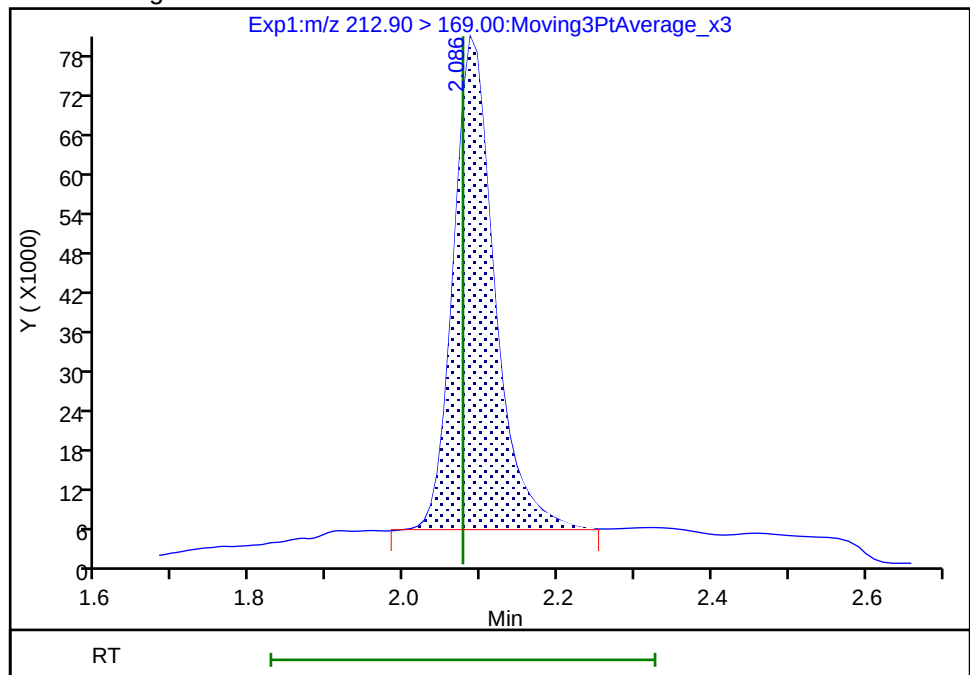
RT: 2.09
Area: 314521
Amount: 0.139697
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 282050
Amount: 0.125275
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:19:38

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

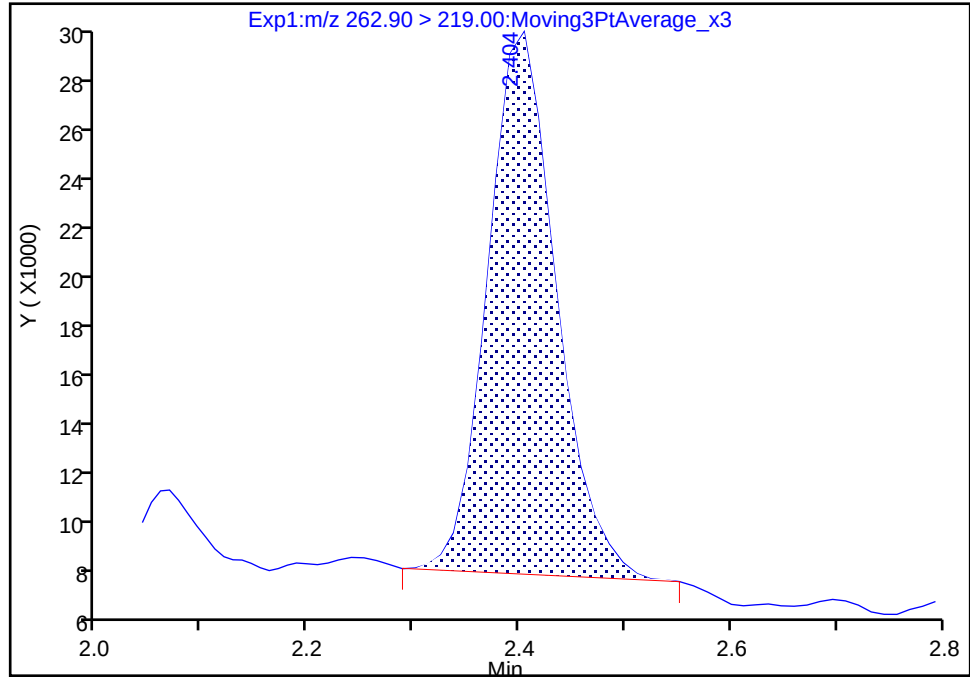
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d
Injection Date: 19-Dec-2022 14:22:54 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

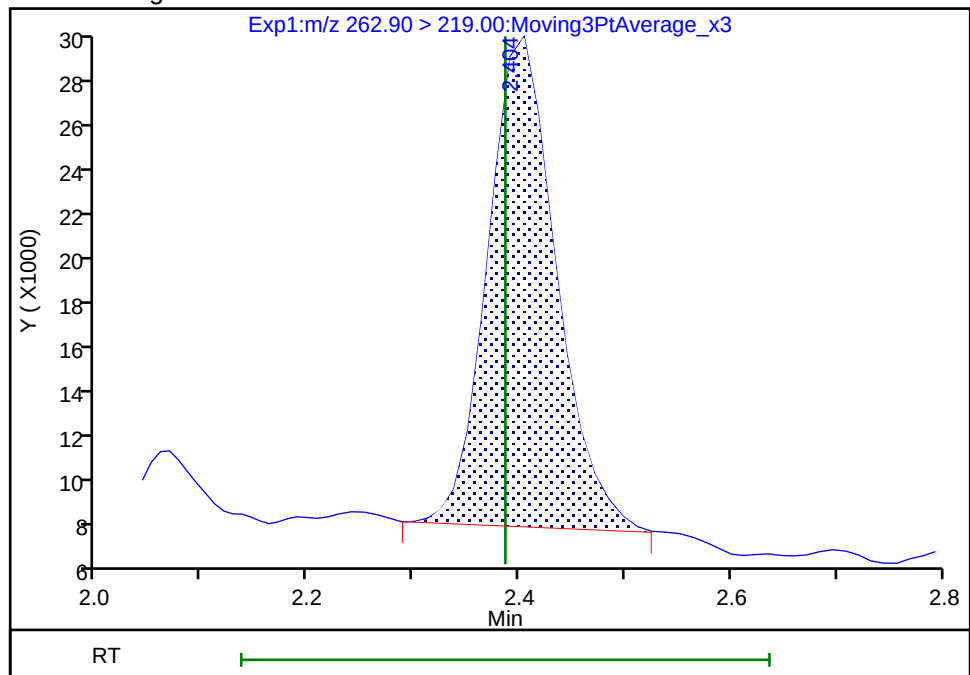
RT: 2.40
Area: 96129
Amount: 0.051663
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 95714
Amount: 0.051440
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:19:46
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

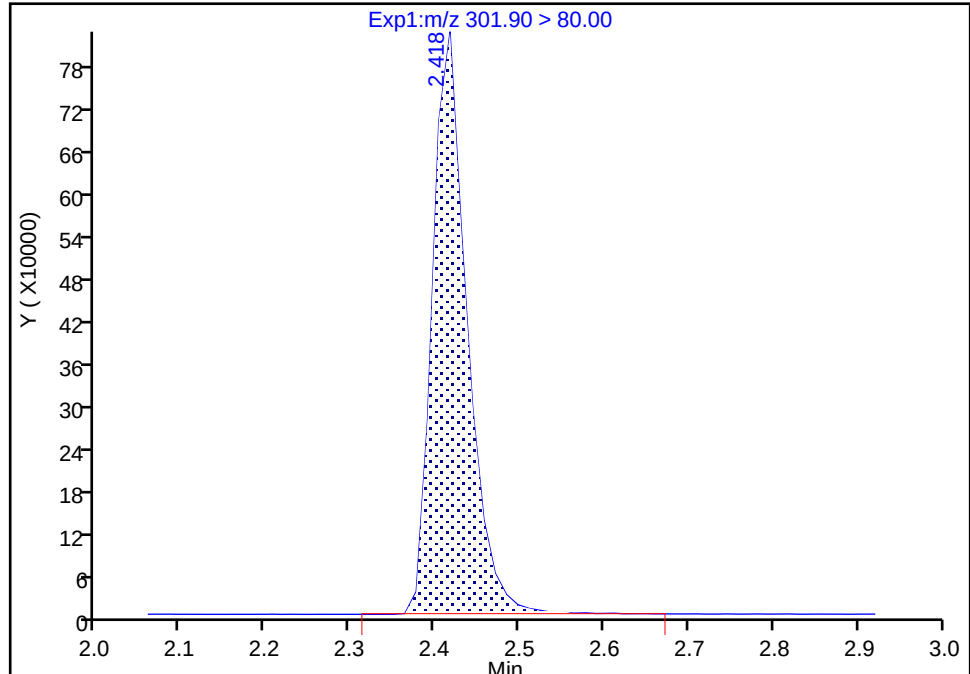
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d
Injection Date: 19-Dec-2022 14:22:54 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

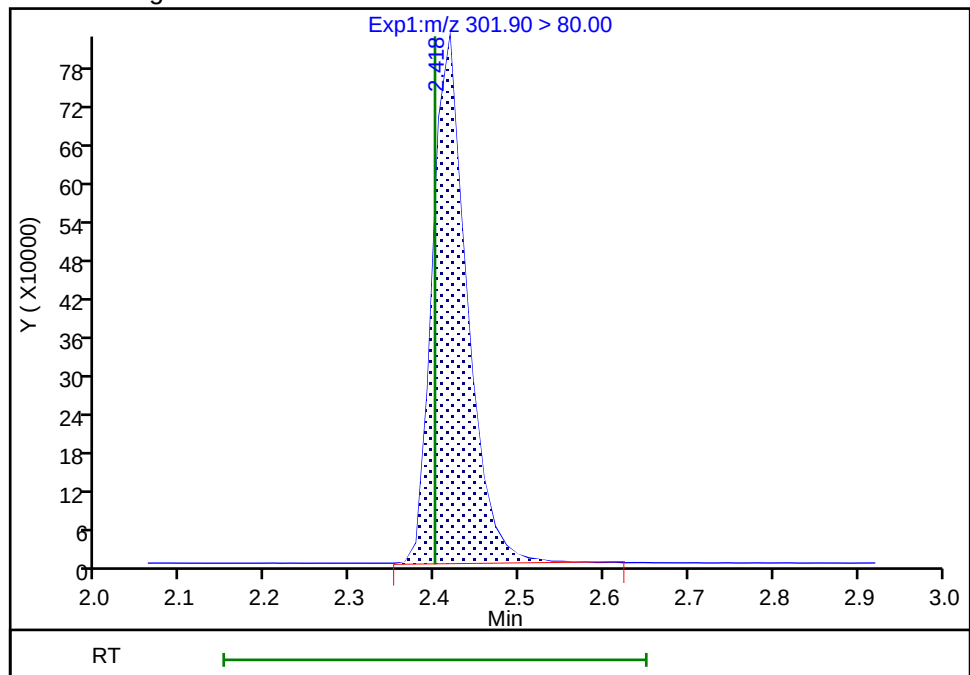
RT: 2.42
Area: 2337030
Amount: 1.196183
Amount Units: ng/ml

Processing Integration Results



RT: 2.42
Area: 2333621
Amount: 1.194439
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:18:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

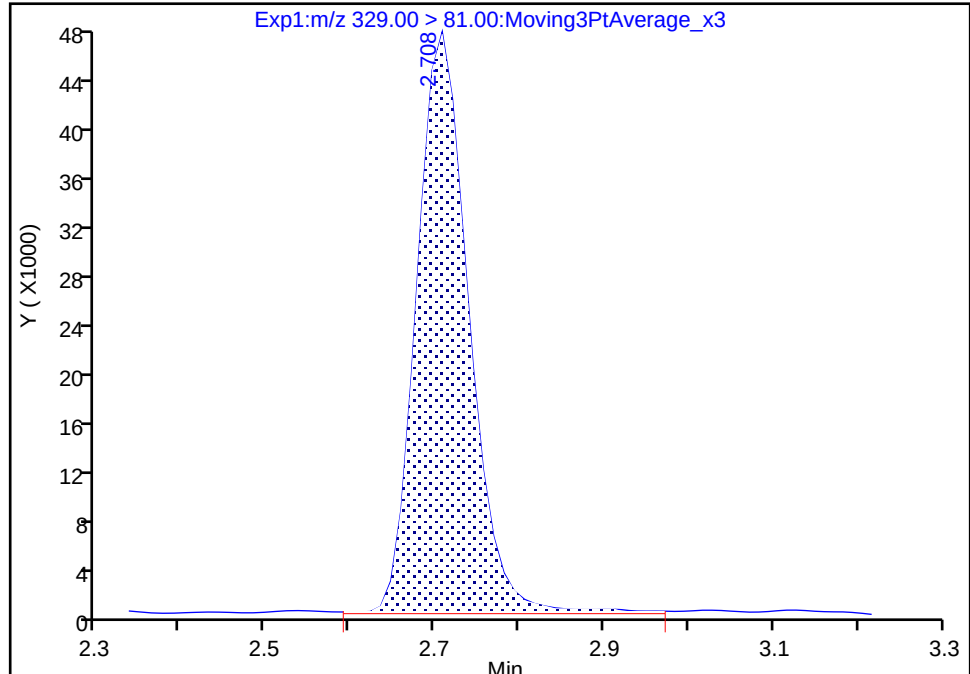
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d
Injection Date: 19-Dec-2022 14:22:54 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

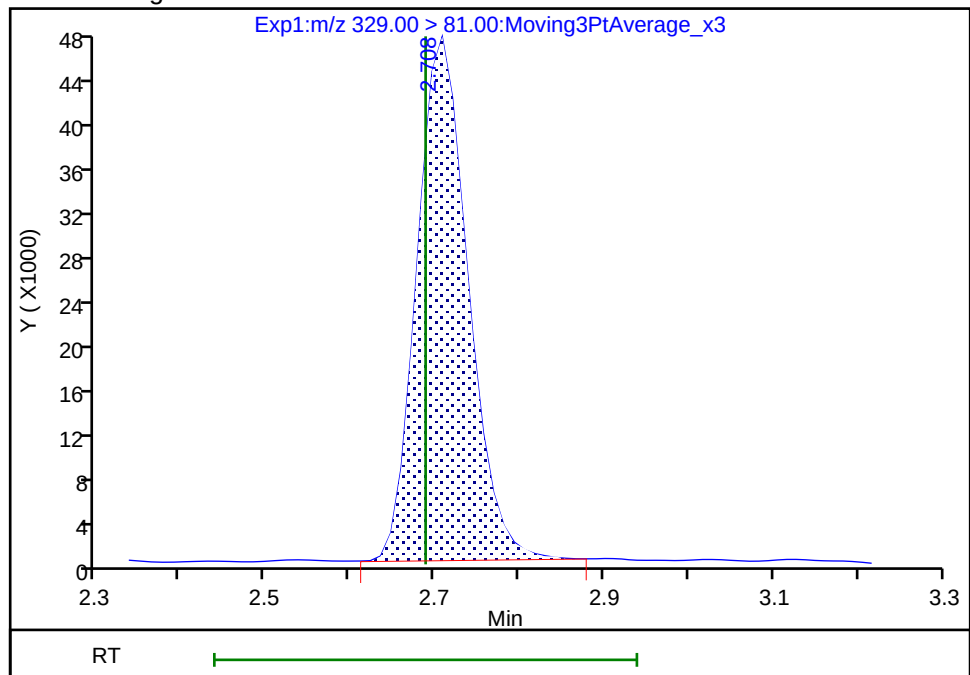
RT: 2.71
Area: 203792
Amount: 1.180468
Amount Units: ng/ml

Processing Integration Results



RT: 2.71
Area: 198826
Amount: 1.151703
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:18:48

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

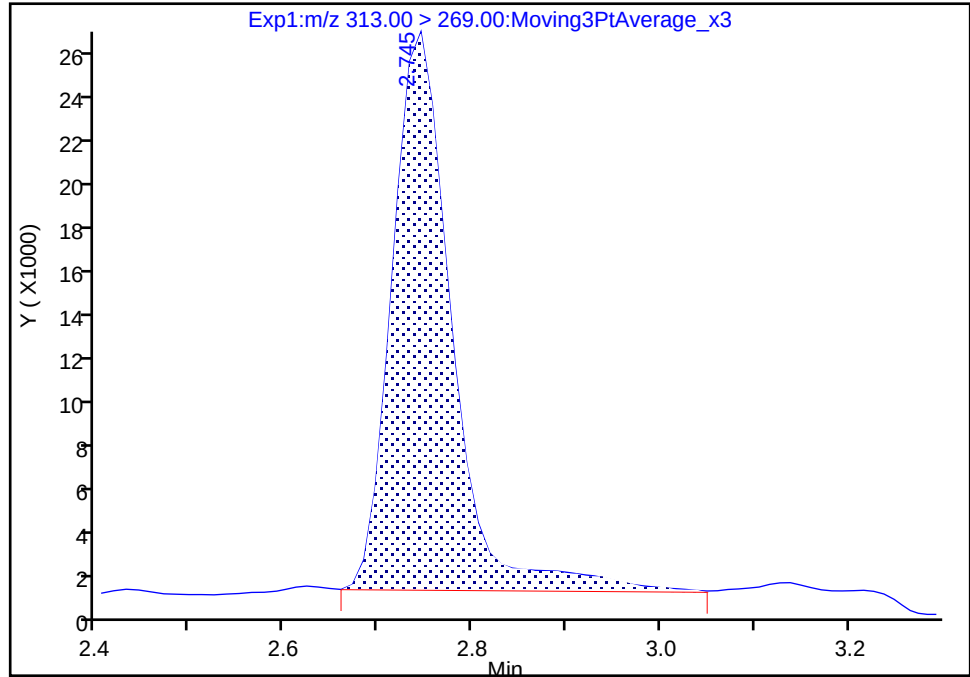
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d
Injection Date: 19-Dec-2022 14:22:54 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

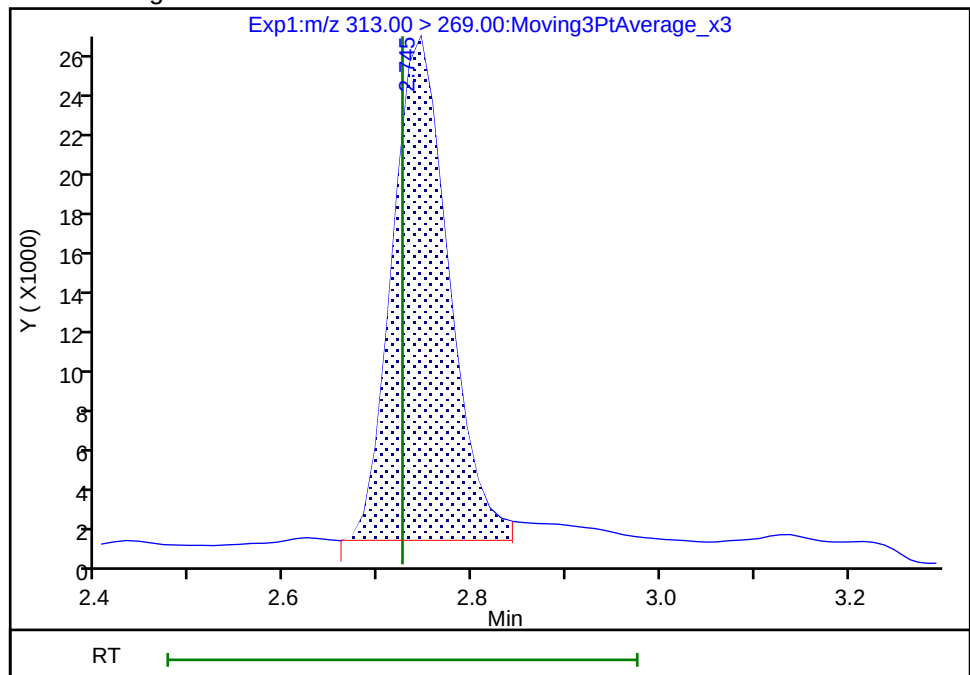
RT: 2.74
Area: 111421
Amount: 0.055784
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 105262
Amount: 0.052700
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:20:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d

Injection Date: 19-Dec-2022 14:22:54

Instrument ID: LC812

Lims ID: CCVLIS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

2

Worklist Smp#: 5

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

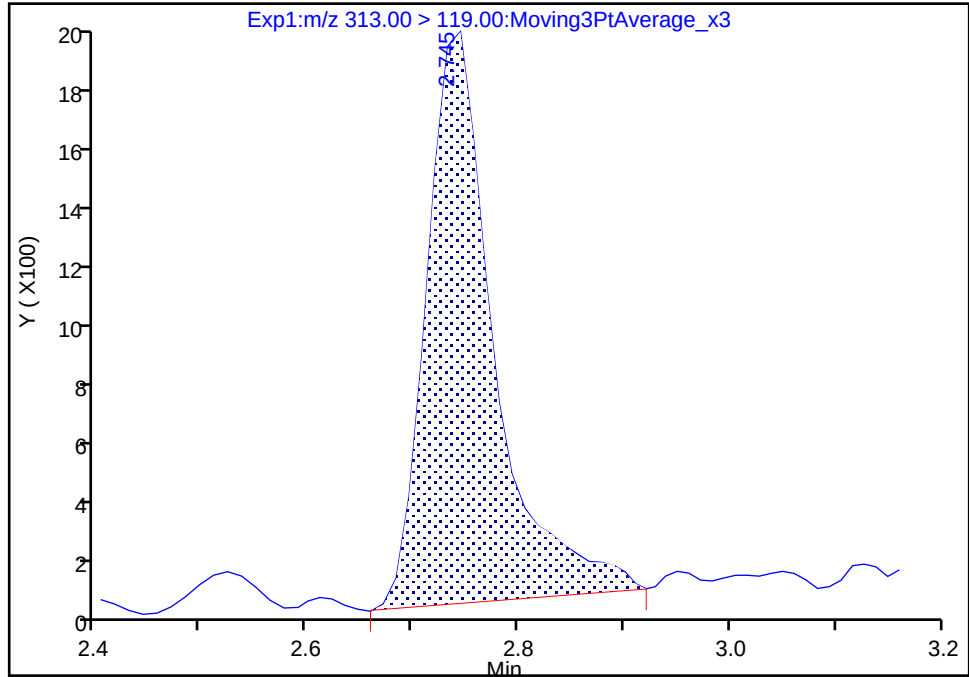
EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

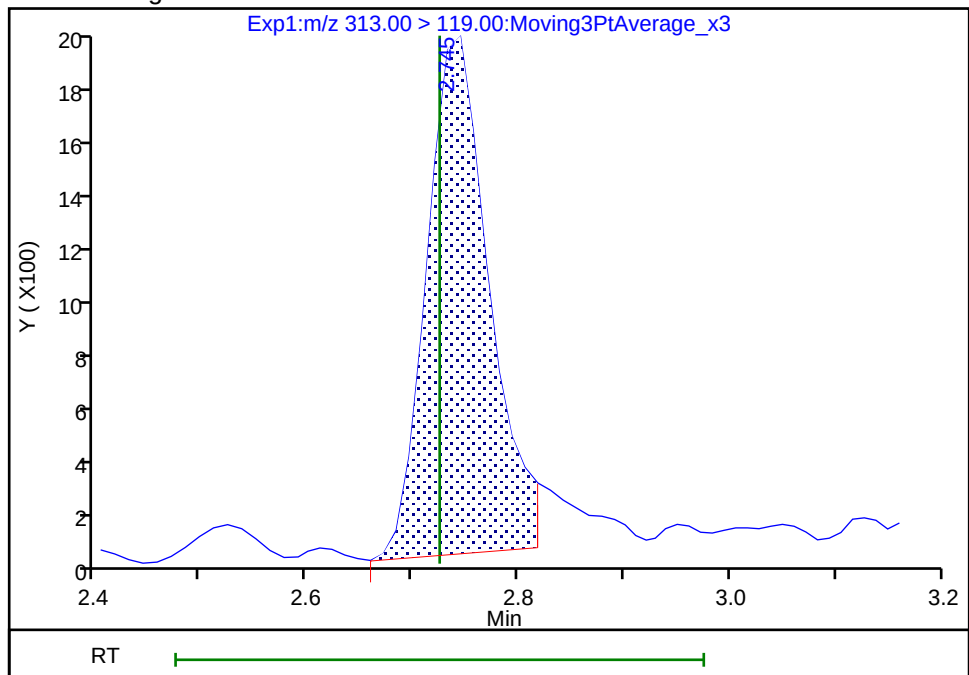
RT: 2.74
Area: 8518
Amount: 0.055784
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 7804
Amount: 0.052700
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:20:05

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

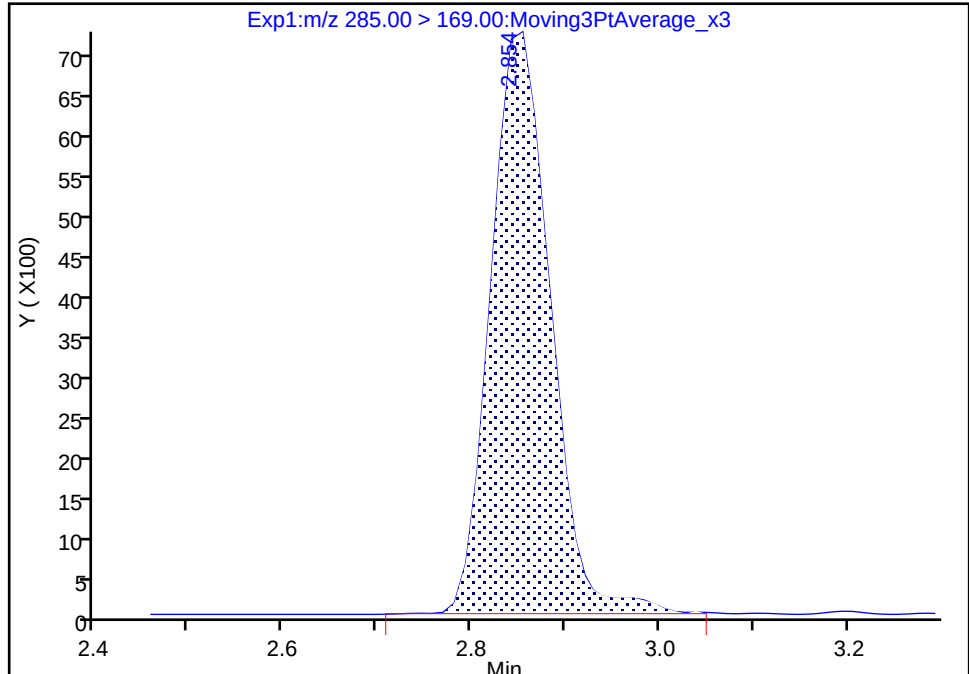
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d
Injection Date: 19-Dec-2022 14:22:54 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

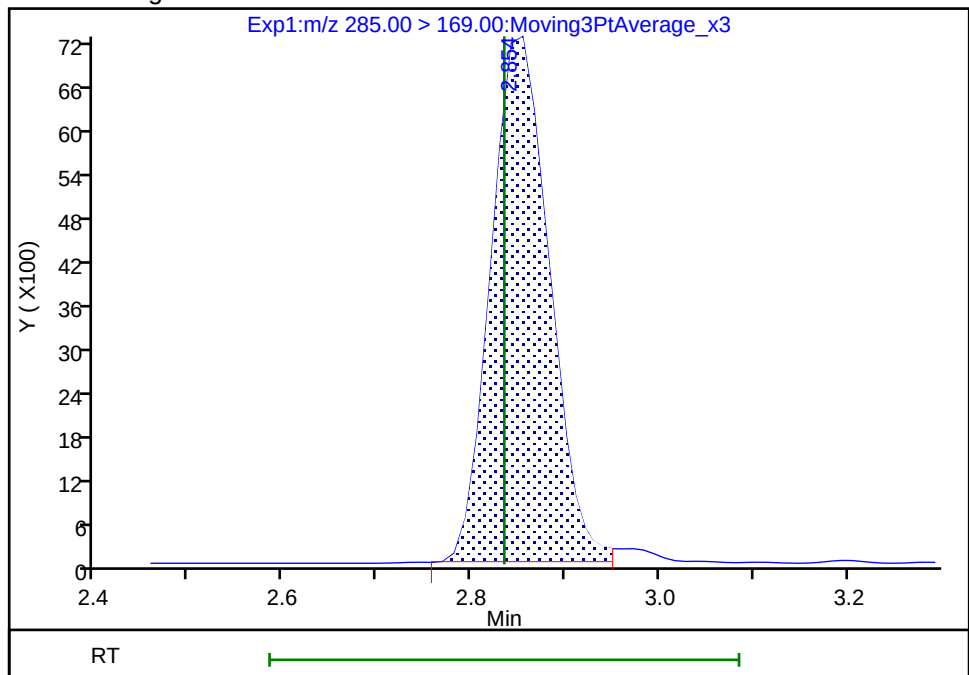
RT: 2.85
Area: 31953
Amount: 0.093488
Amount Units: ng/ml

Processing Integration Results



RT: 2.85
Area: 31357
Amount: 0.091744
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:20:18
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

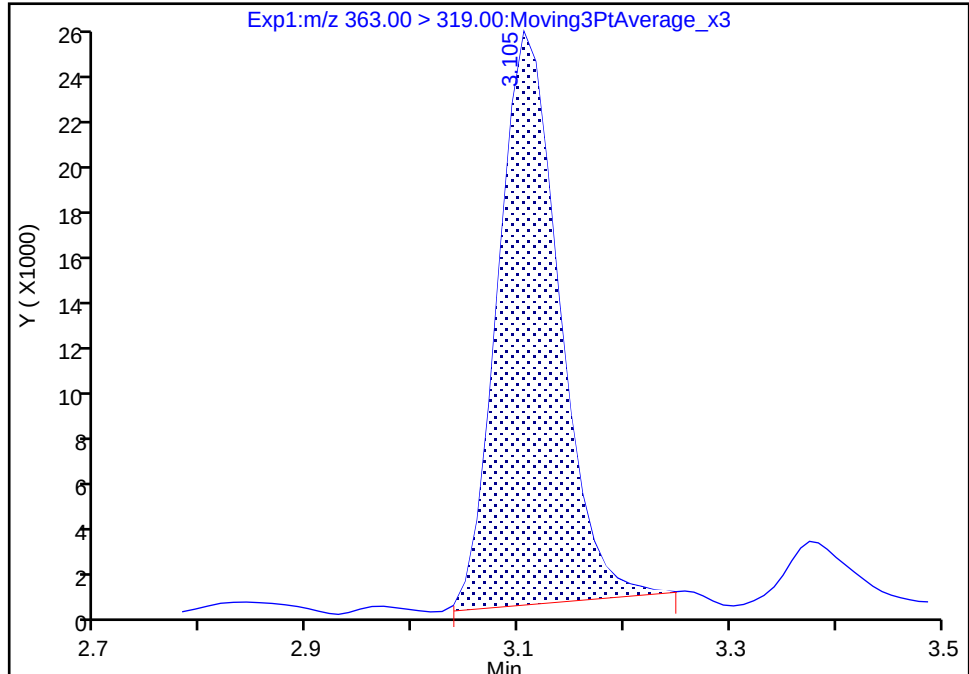
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d
Injection Date: 19-Dec-2022 14:22:54 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

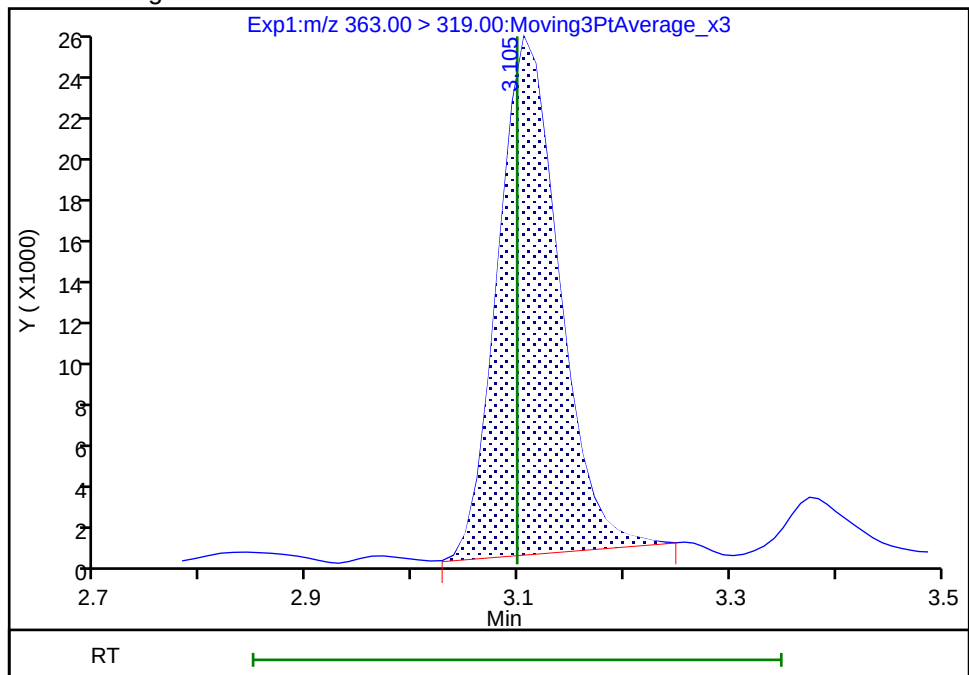
RT: 3.11
Area: 96601
Amount: 0.046988
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 96620
Amount: 0.046997
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:20:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

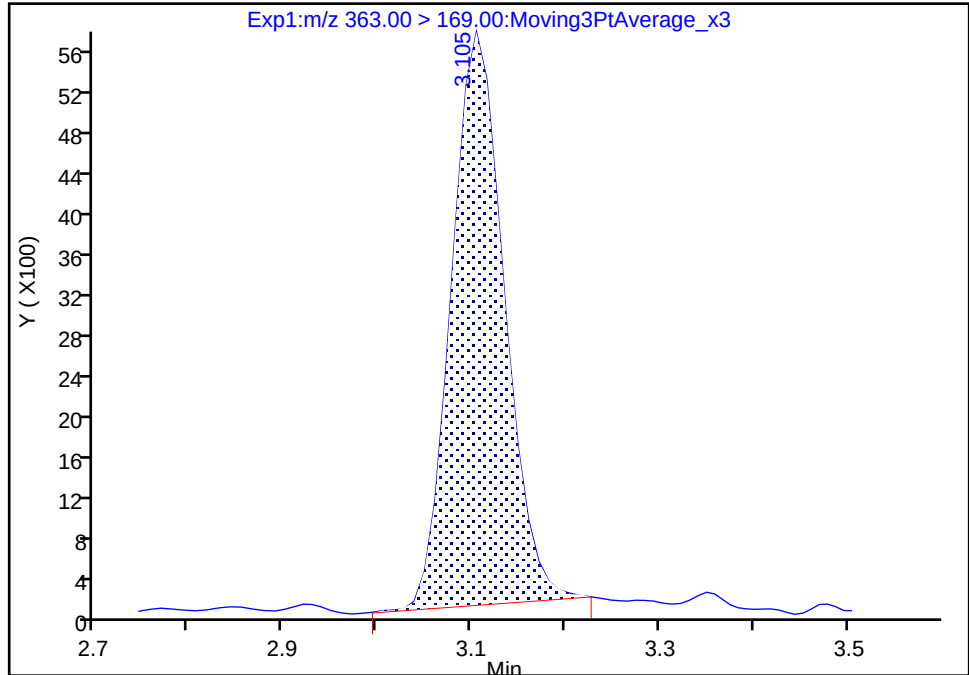
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d
Injection Date: 19-Dec-2022 14:22:54 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

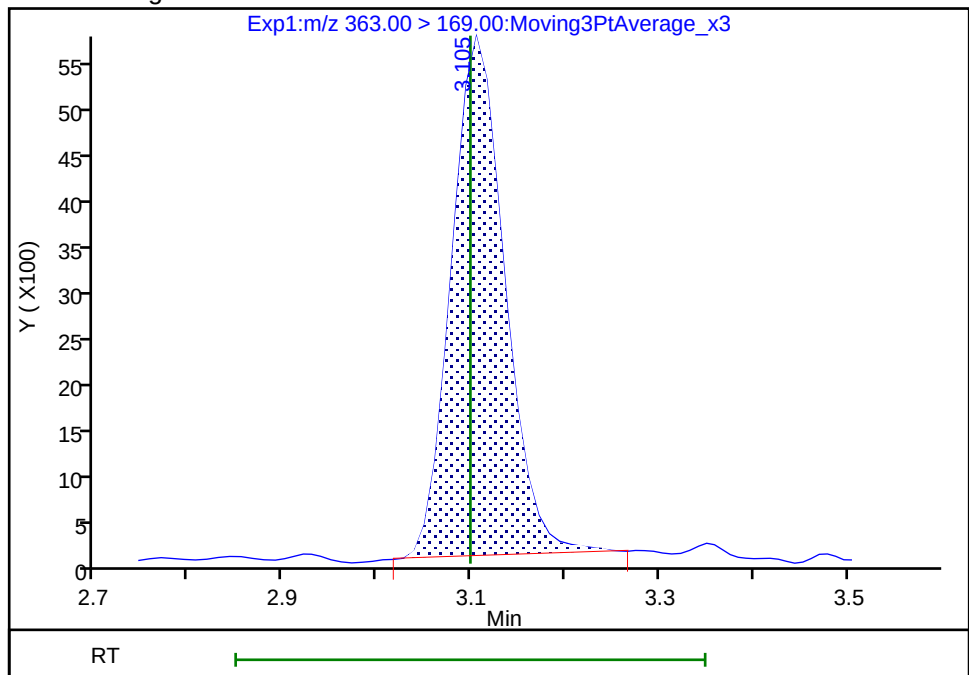
RT: 3.11
Area: 21950
Amount: 0.046988
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 22306
Amount: 0.046997
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:20:35

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

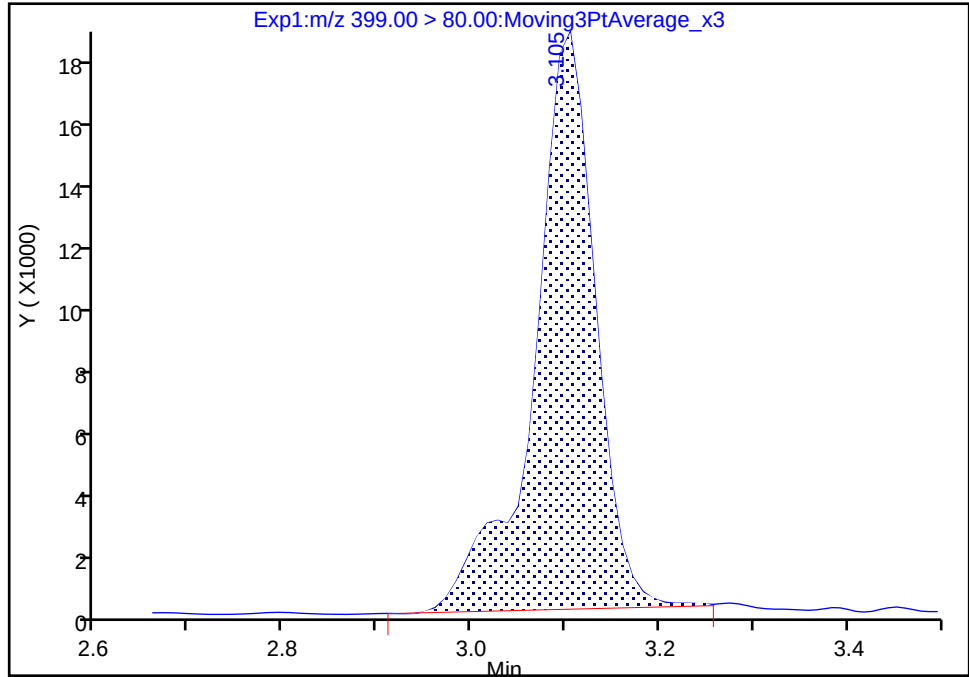
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d
Injection Date: 19-Dec-2022 14:22:54 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

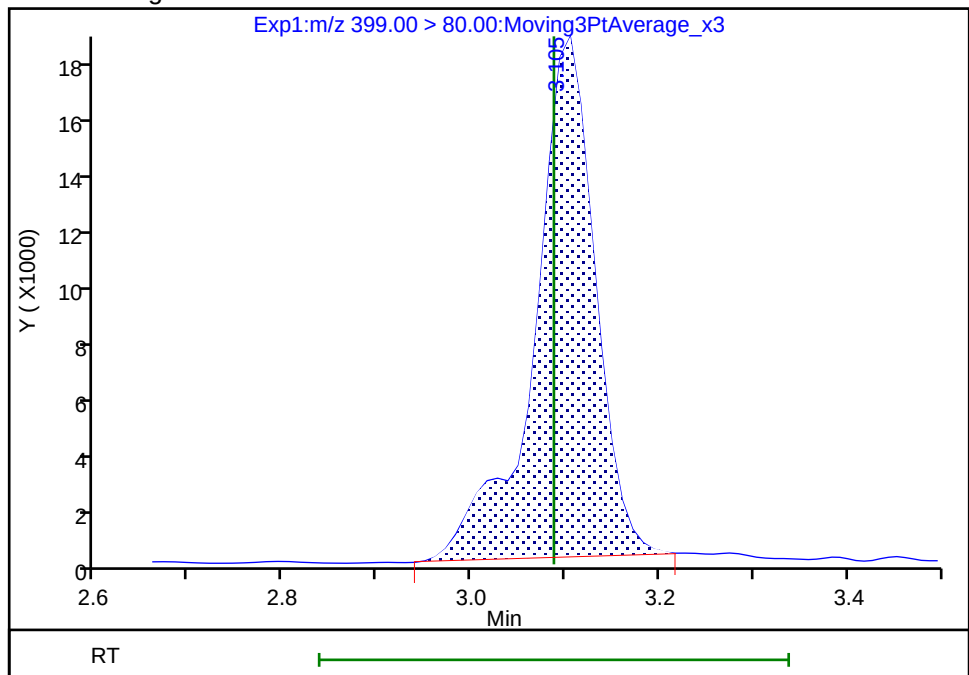
RT: 3.11
Area: 81000
Amount: 0.046912
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 80251
Amount: 0.046478
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:20:23
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

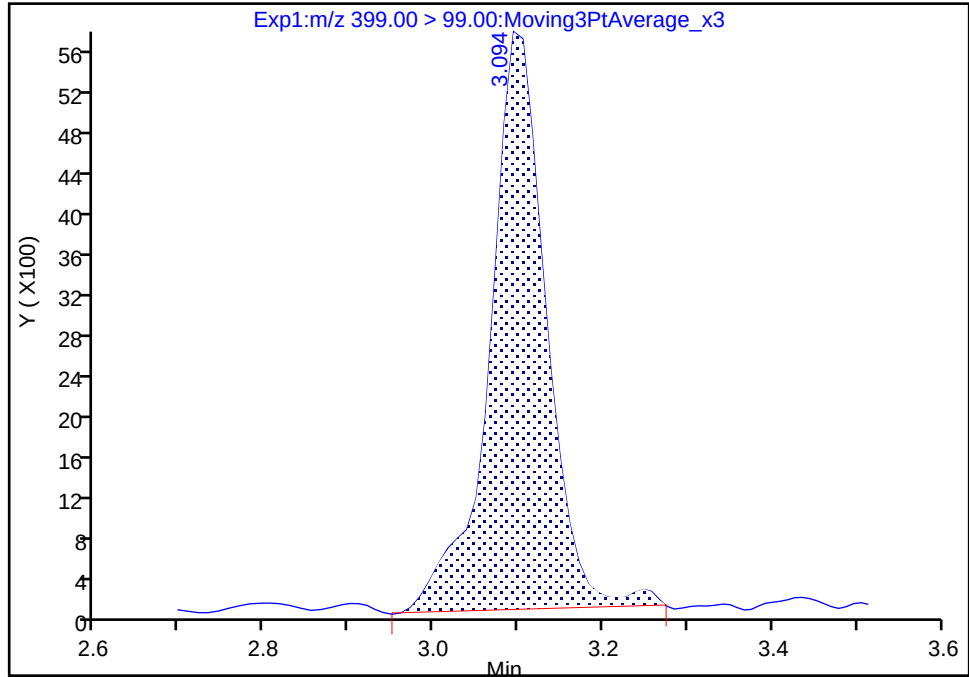
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d
Injection Date: 19-Dec-2022 14:22:54 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

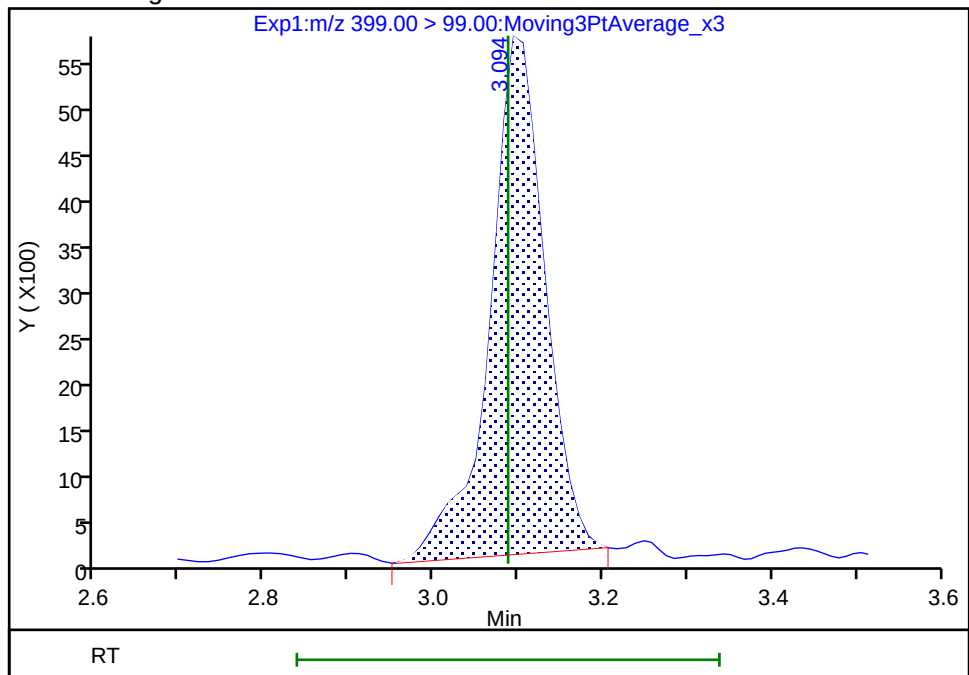
RT: 3.09
Area: 26289
Amount: 0.046912
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 25064
Amount: 0.046478
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:20:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

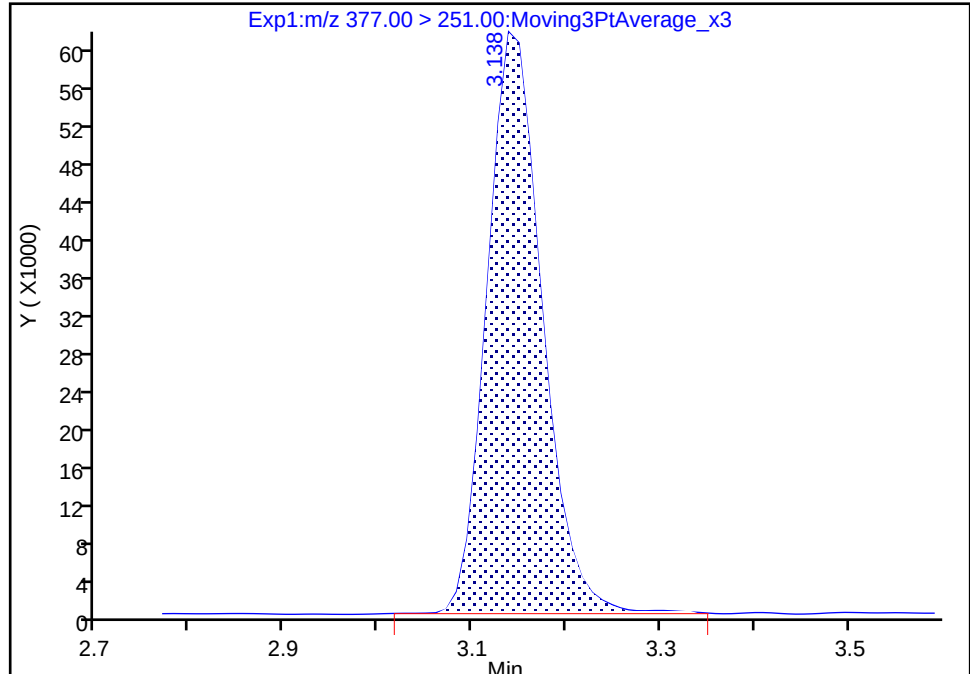
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d
Injection Date: 19-Dec-2022 14:22:54 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 1

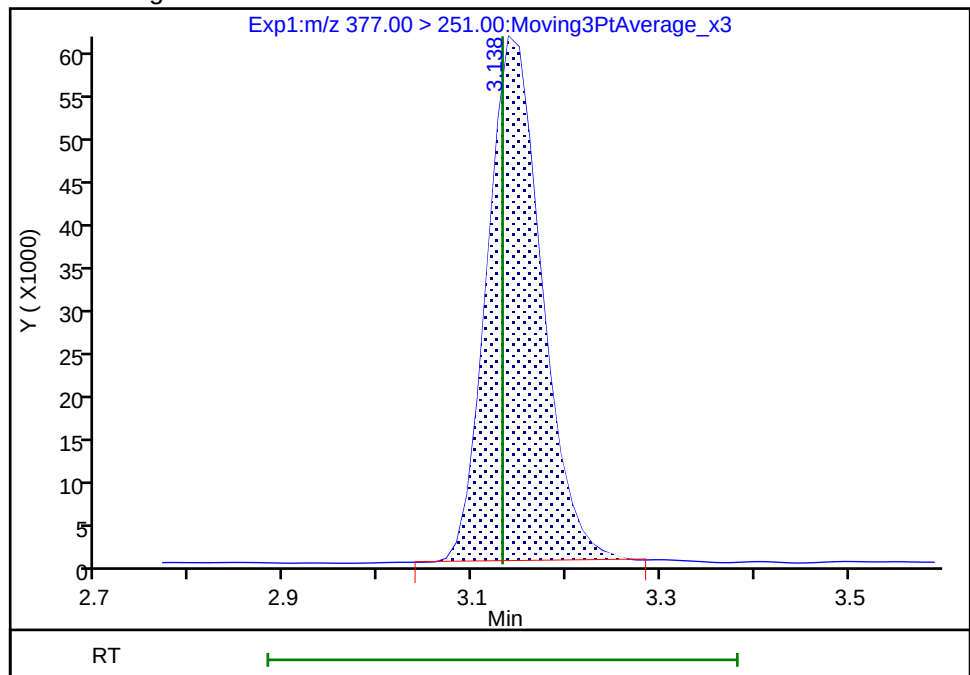
RT: 3.14
Area: 247888
Amount: 0.044275
Amount Units: ng/ml

Processing Integration Results



RT: 3.14
Area: 245279
Amount: 0.043809
Amount Units: ng/ml

Manual Integration Results



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

Audit Reason: Incomplete Integration

Eurofins Burlington

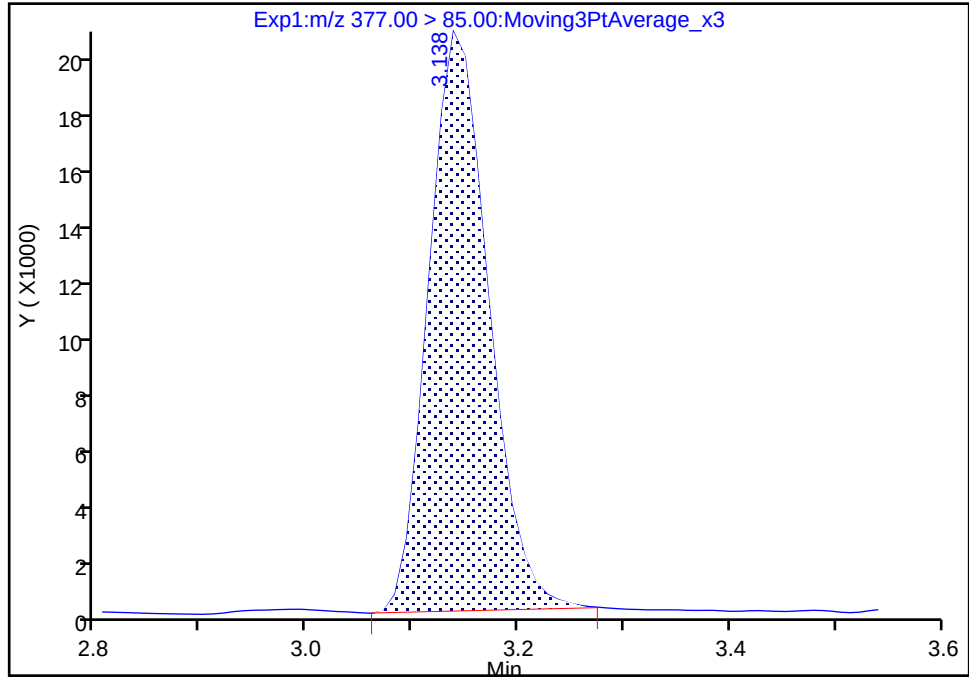
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d
Injection Date: 19-Dec-2022 14:22:54 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 2

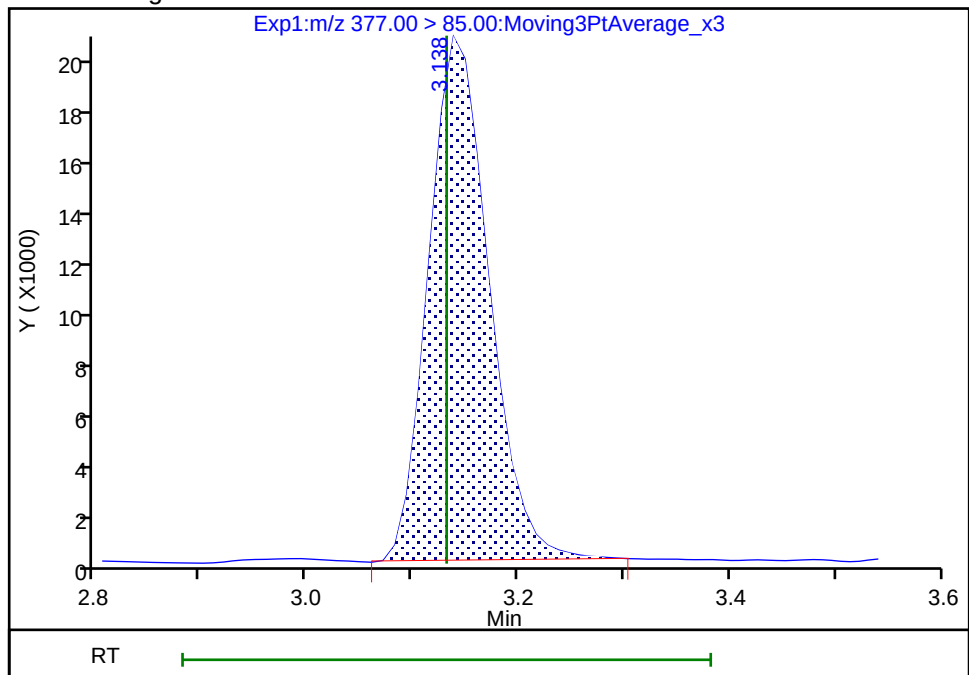
RT: 3.14
Area: 78805
Amount: 0.044275
Amount Units: ng/ml

Processing Integration Results



RT: 3.14
Area: 79451
Amount: 0.043809
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:20:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d

Injection Date: 19-Dec-2022 14:22:54

Instrument ID: LC812

Lims ID: CCVLIS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

2

Worklist Smp#: 5

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

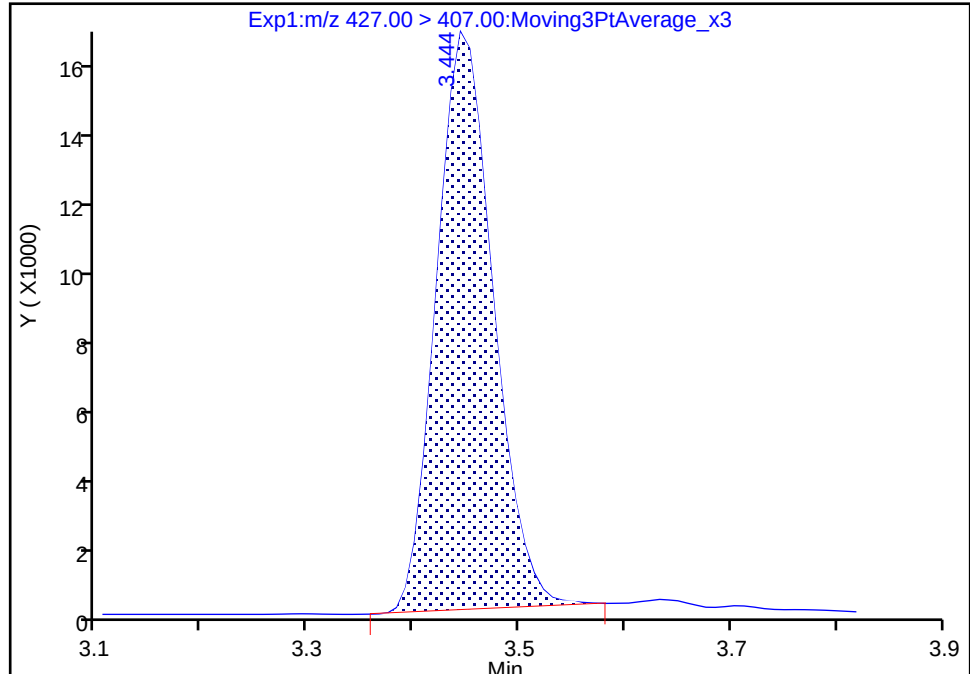
Detector: EXP1

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

Signal: 1

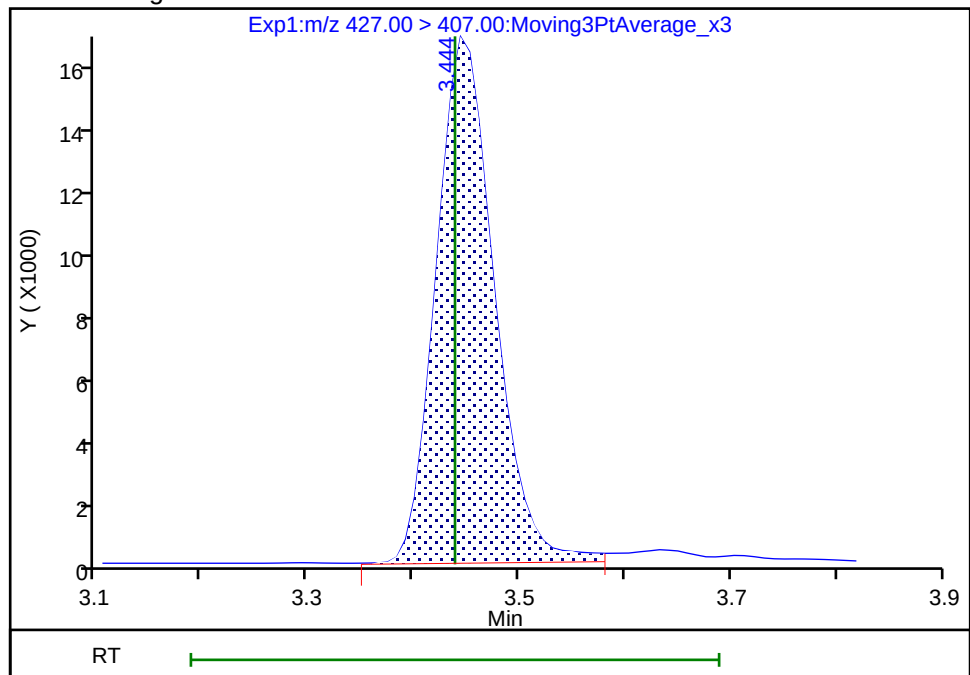
RT: 3.44
Area: 61798
Amount: 0.110465
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 63700
Amount: 0.114230
Amount Units: ng/ml

Manual Integration Results



Reviewer: SJ4N, 21-Dec-2022 15:35:30

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

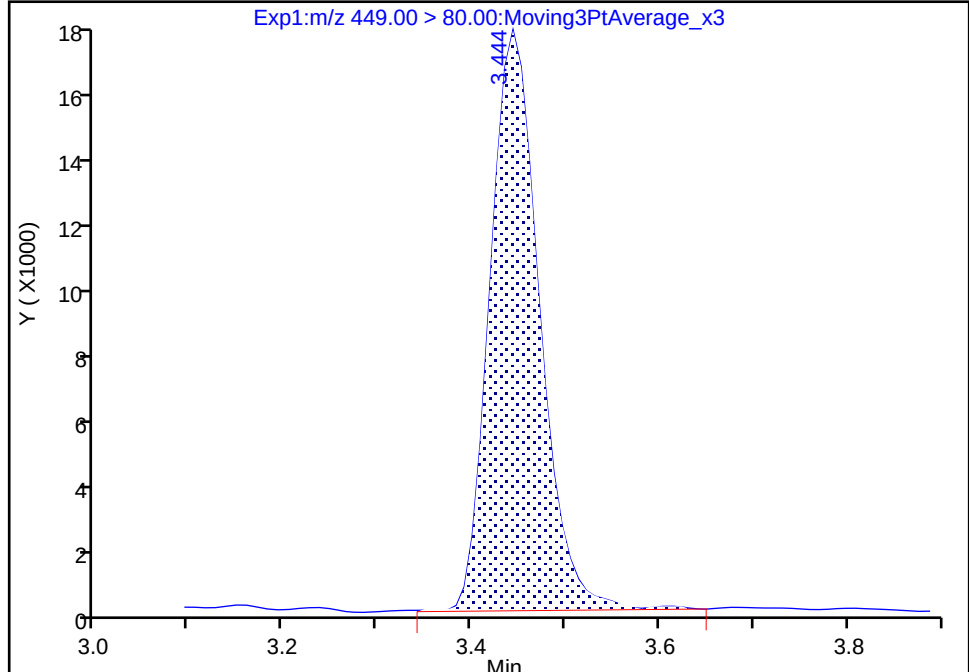
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d
Injection Date: 19-Dec-2022 14:22:54 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

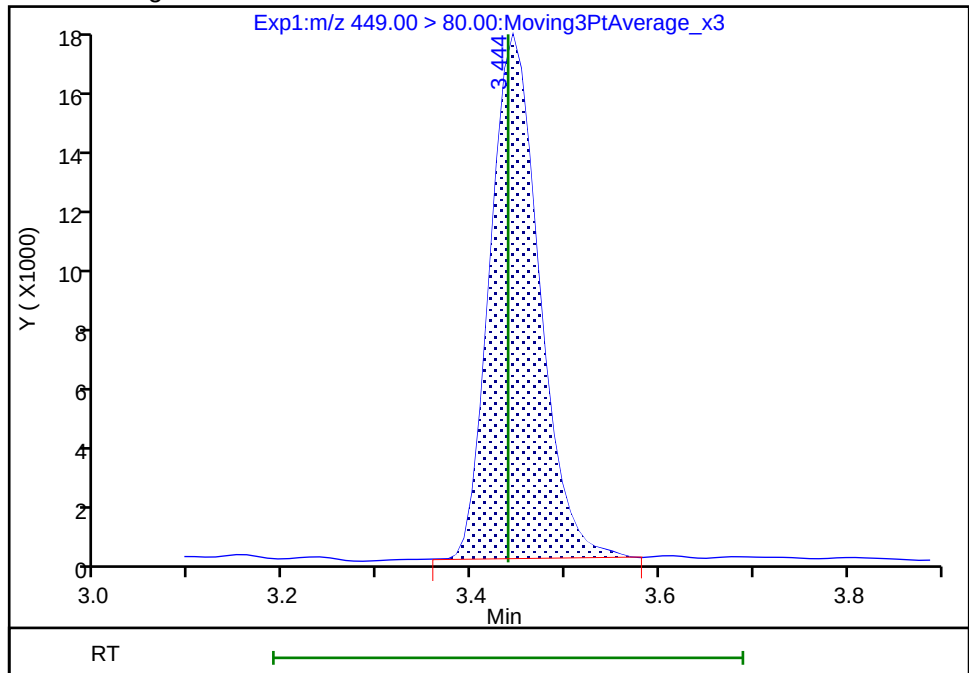
RT: 3.44
Area: 63703
Amount: 0.044862
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 63196
Amount: 0.044505
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:20:55
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

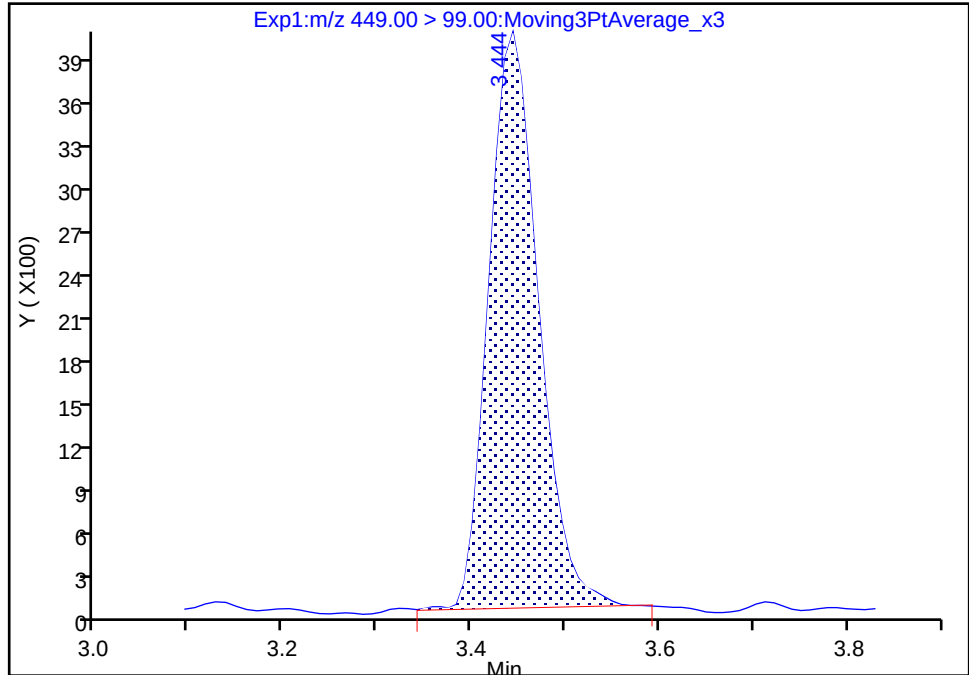
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d
Injection Date: 19-Dec-2022 14:22:54 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

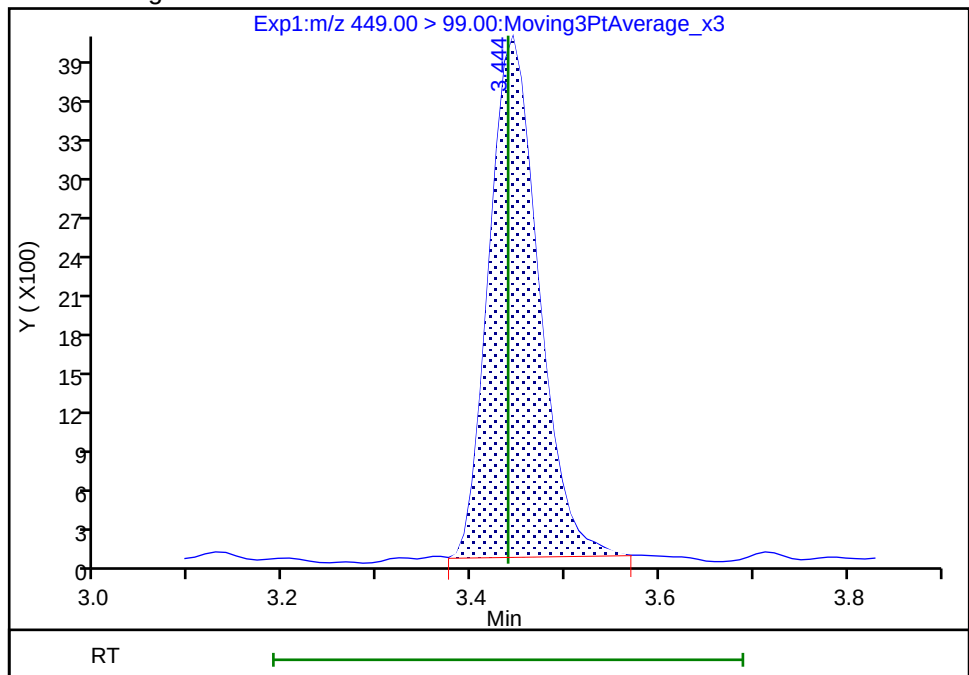
RT: 3.44
Area: 14603
Amount: 0.044862
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 14492
Amount: 0.044505
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:21:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

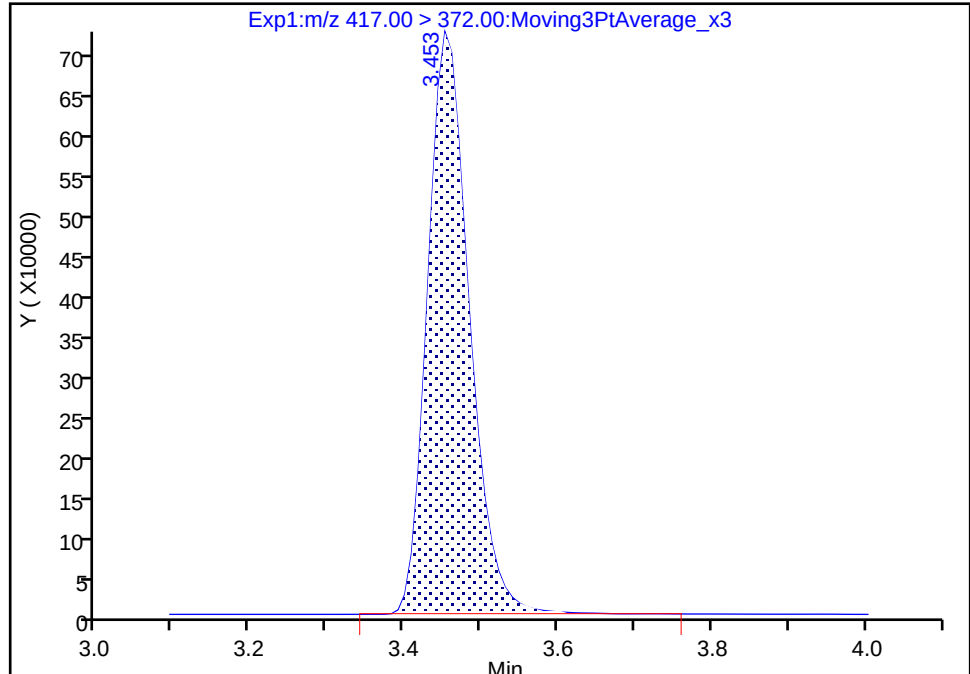
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d
Injection Date: 19-Dec-2022 14:22:54 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

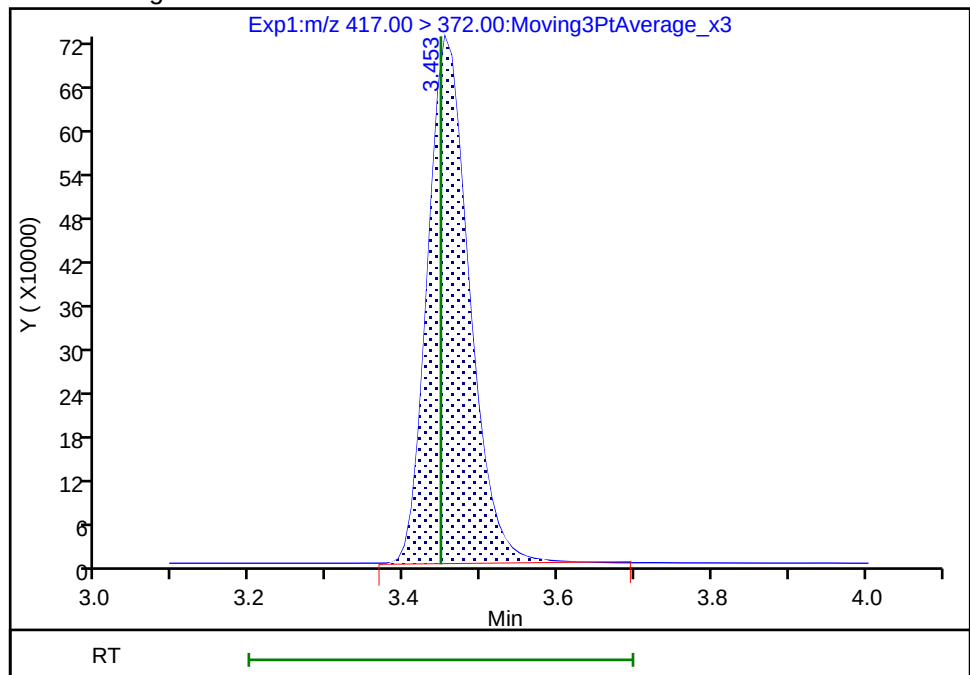
RT: 3.45
Area: 2735270
Amount: 1.255437
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 2731405
Amount: 1.253663
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:19:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

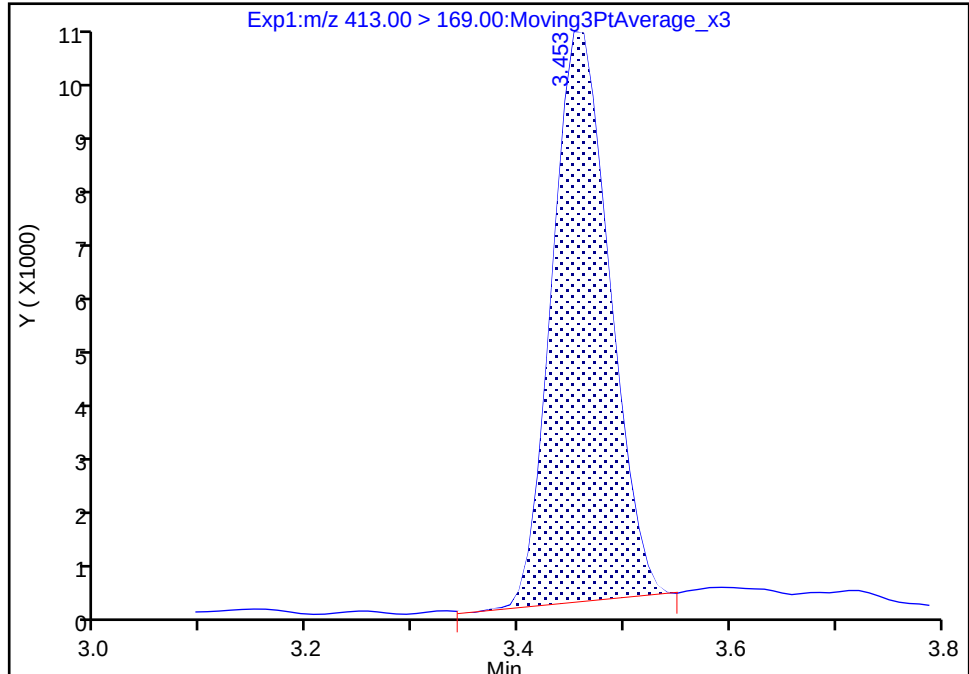
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d
Injection Date: 19-Dec-2022 14:22:54 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

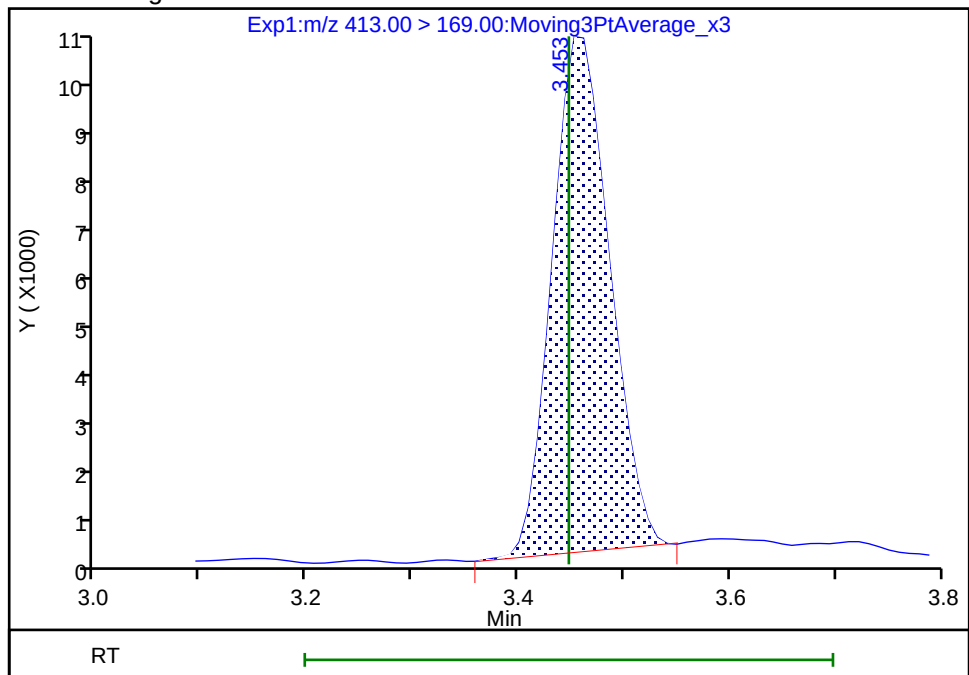
RT: 3.45
Area: 38775
Amount: 0.048810
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 38711
Amount: 0.048810
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:21:08
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d

Injection Date: 19-Dec-2022 14:22:54

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

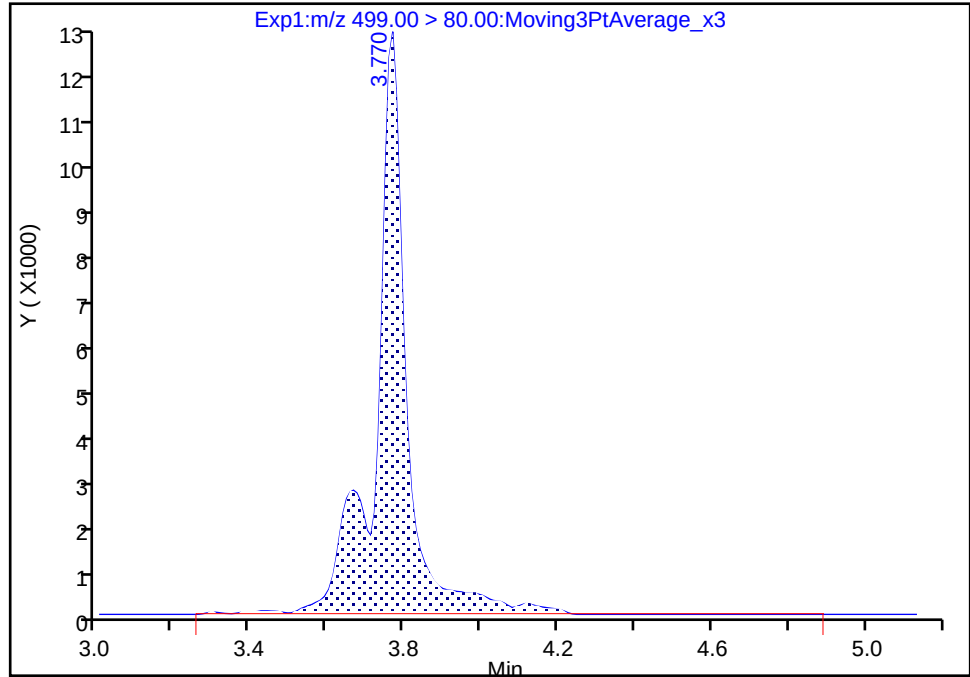
EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

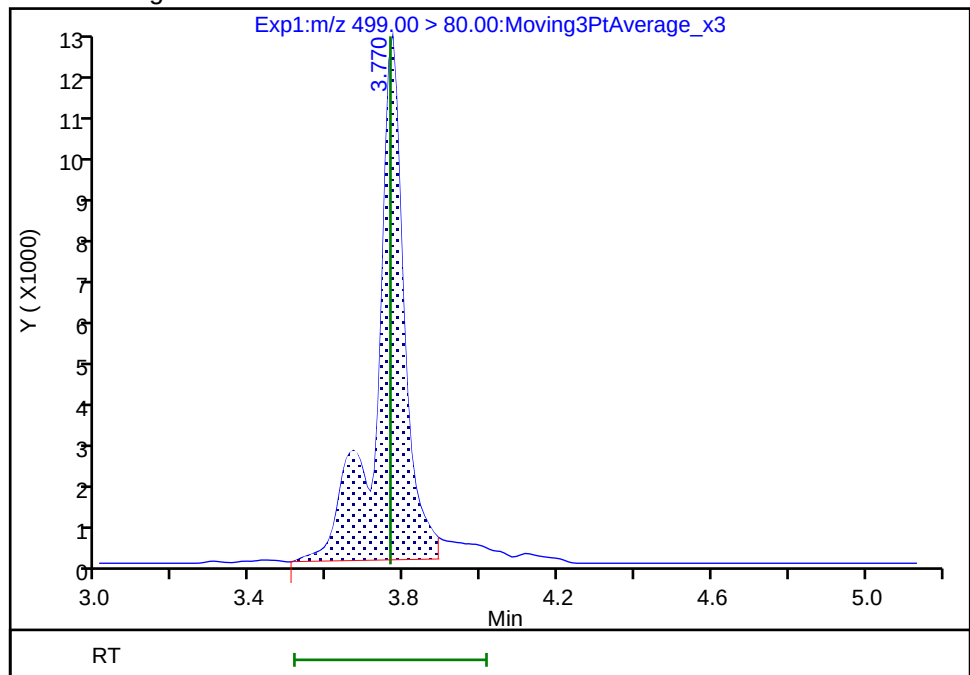
RT: 3.77
Area: 70676
Amount: 0.057163
Amount Units: ng/ml

Processing Integration Results



RT: 3.77
Area: 62399
Amount: 0.050468
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:21:24

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

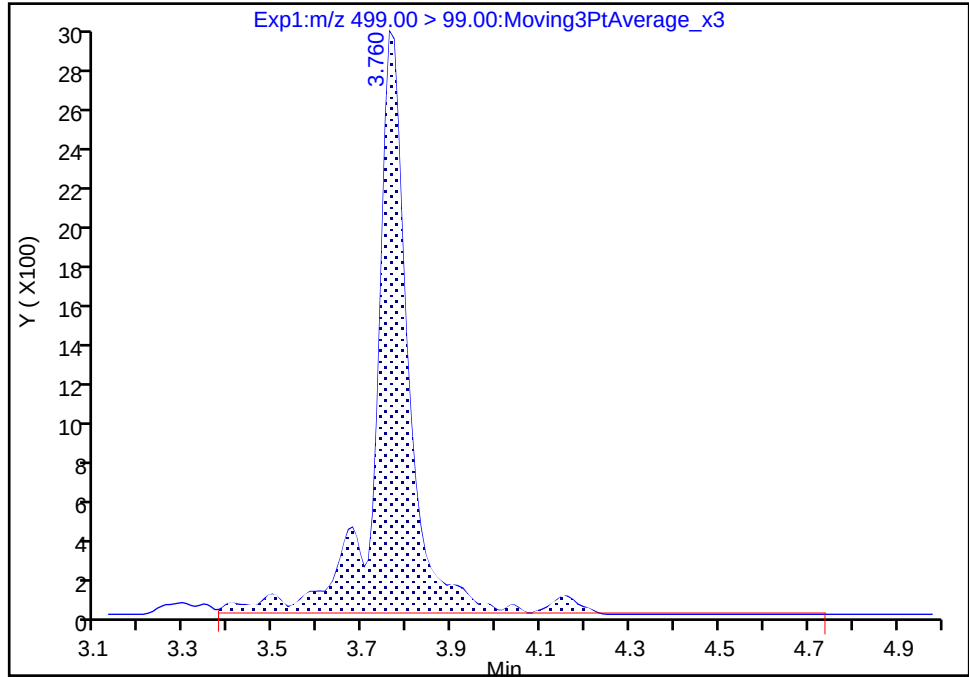
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d
Injection Date: 19-Dec-2022 14:22:54 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

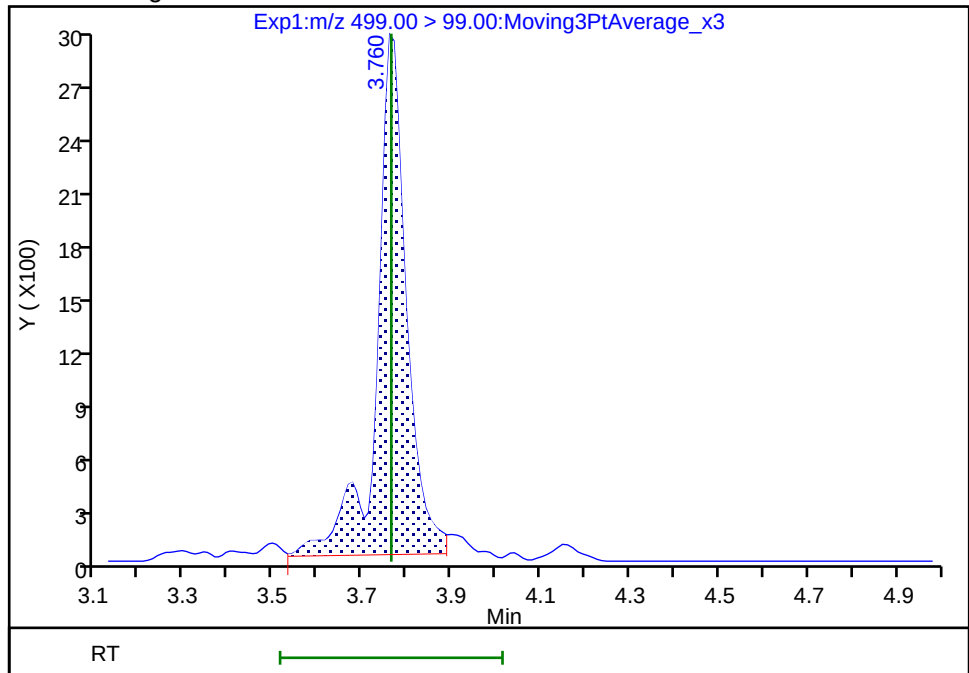
RT: 3.76
Area: 15882
Amount: 0.057163
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 13418
Amount: 0.050468
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:21:30

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

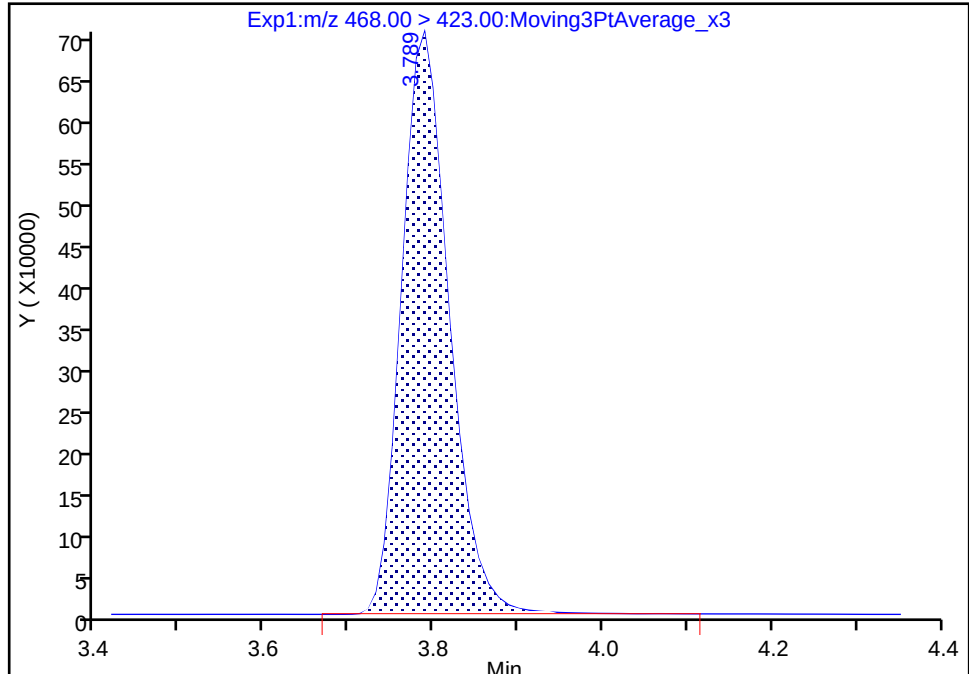
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d
Injection Date: 19-Dec-2022 14:22:54 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

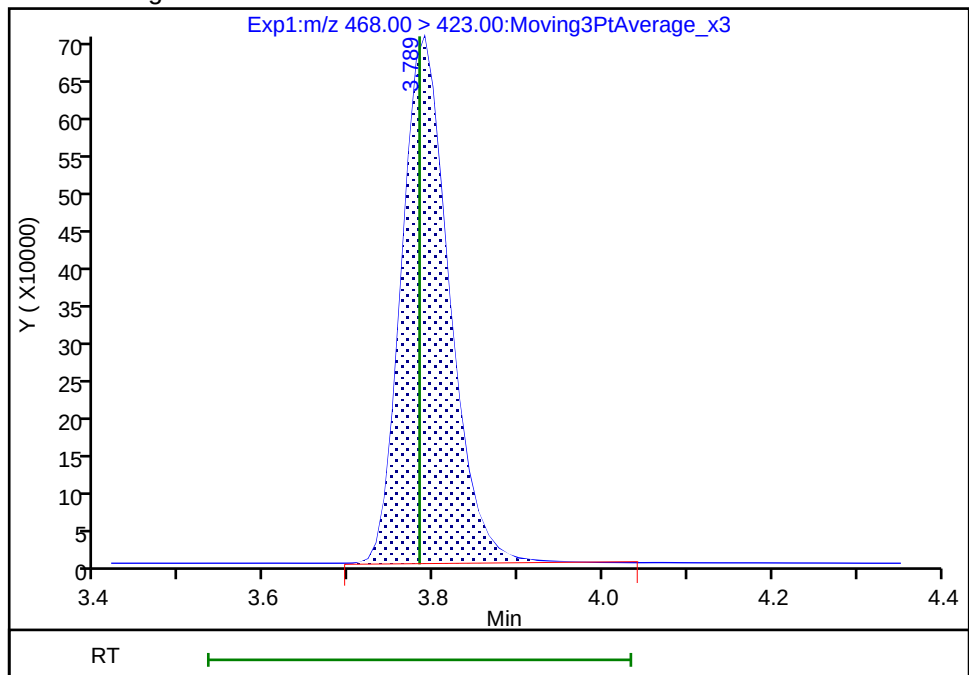
RT: 3.79
Area: 2761482
Amount: 1.304286
Amount Units: ng/ml

Processing Integration Results



RT: 3.79
Area: 2757265
Amount: 1.302294
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:19:10
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

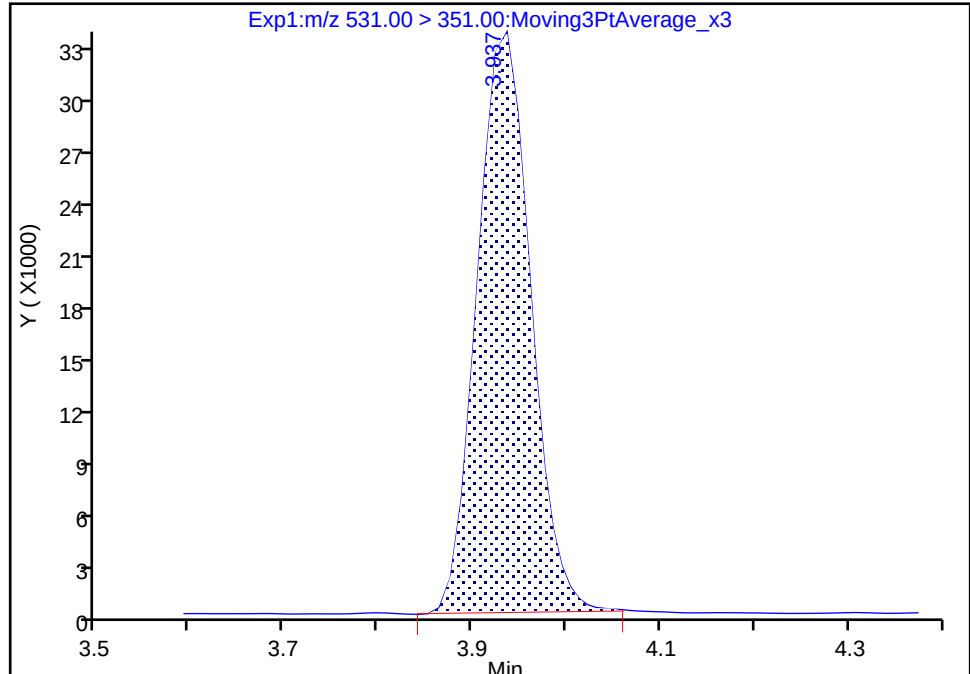
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d
Injection Date: 19-Dec-2022 14:22:54 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

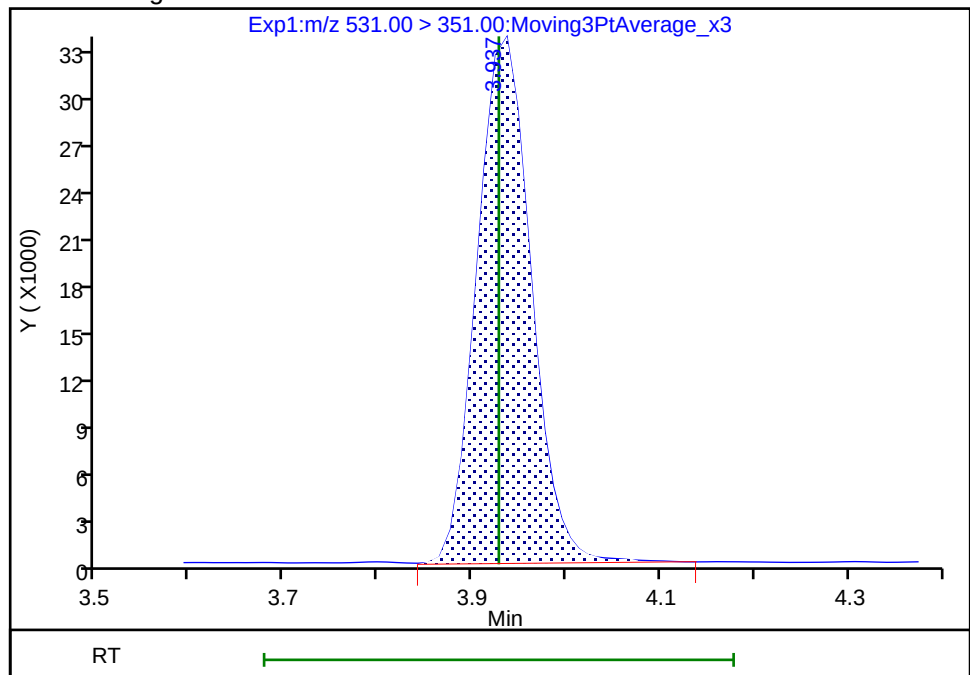
RT: 3.94
Area: 130806
Amount: 0.046096
Amount Units: ng/ml

Processing Integration Results



RT: 3.94
Area: 132504
Amount: 0.046695
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:21:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

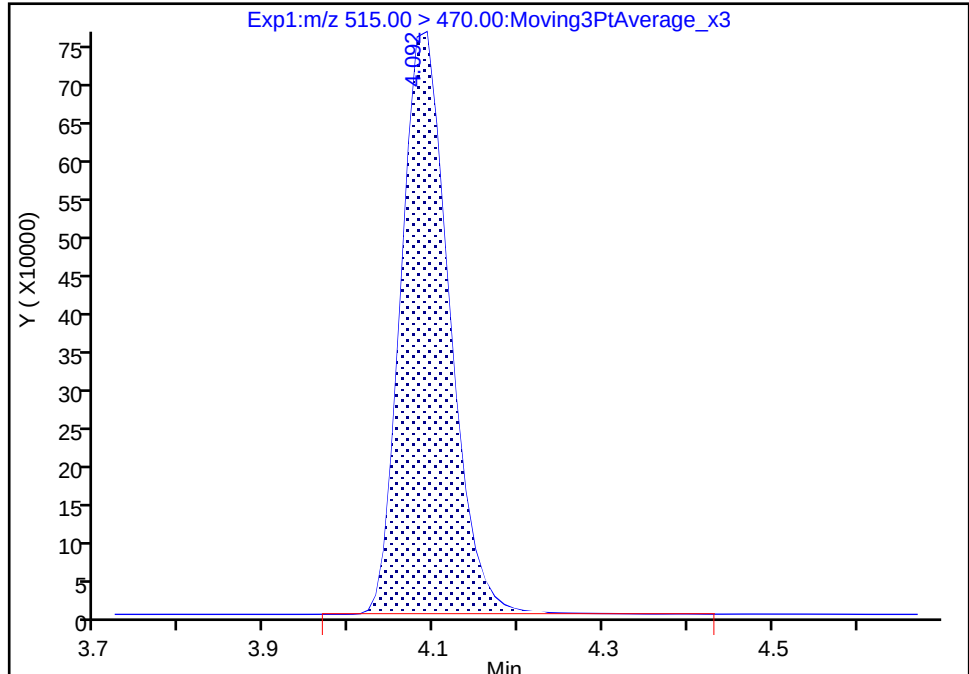
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d
Injection Date: 19-Dec-2022 14:22:54 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

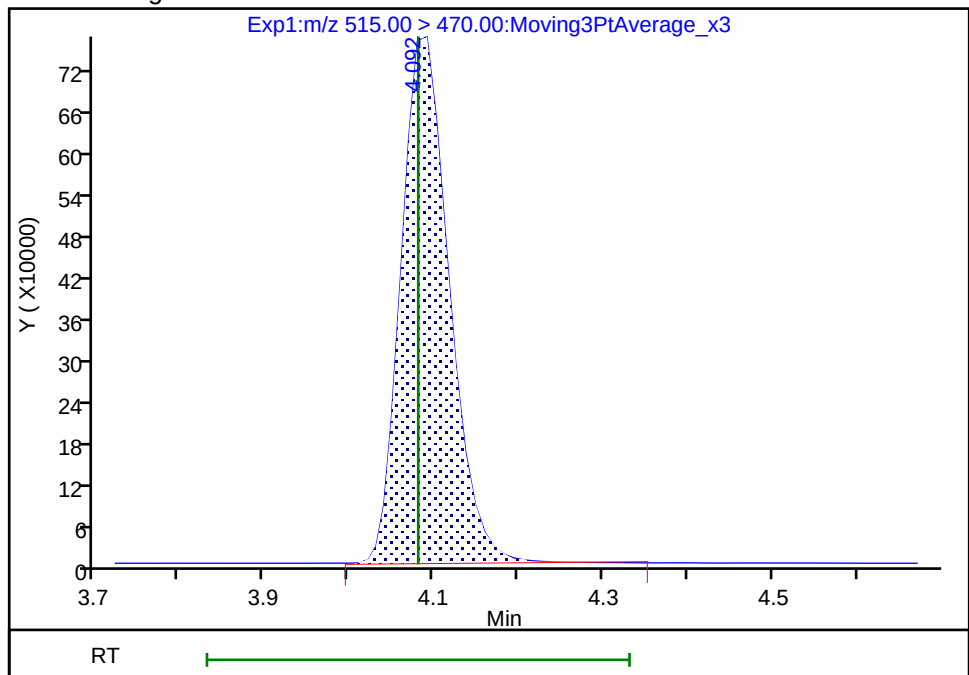
RT: 4.09
Area: 3013680
Amount: 1.396827
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 3009237
Amount: 1.394768
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:19:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

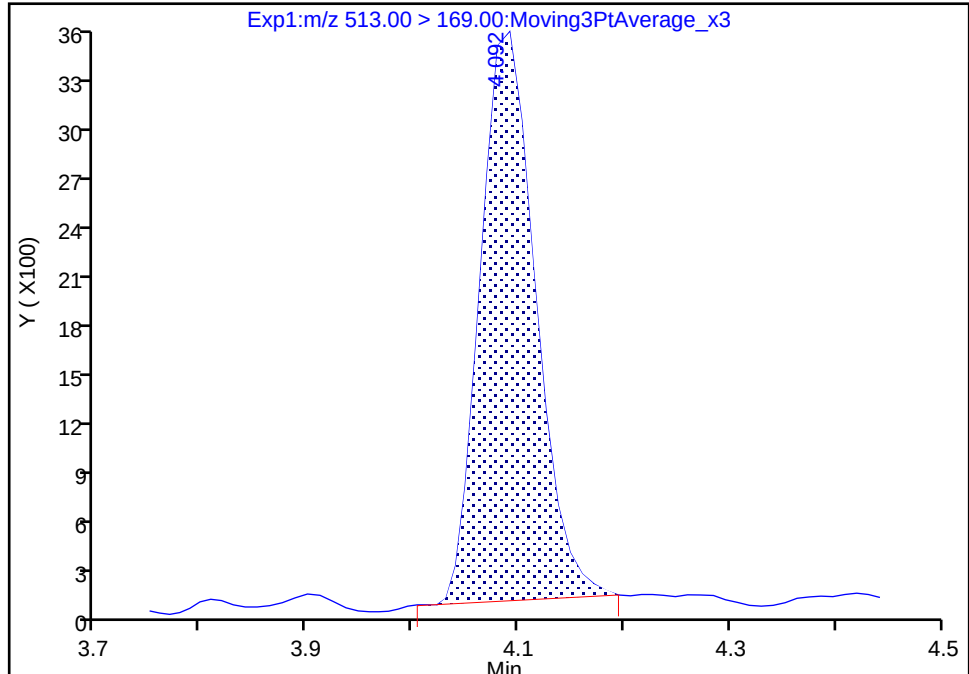
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d
Injection Date: 19-Dec-2022 14:22:54 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

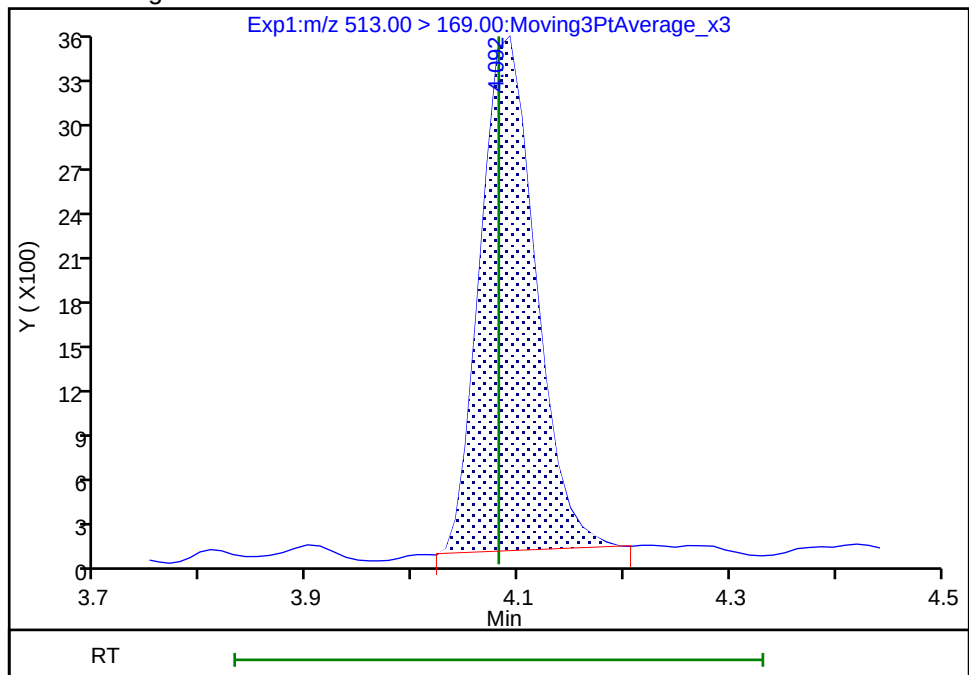
RT: 4.09
Area: 12629
Amount: 0.046230
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 12674
Amount: 0.046230
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:21:56

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

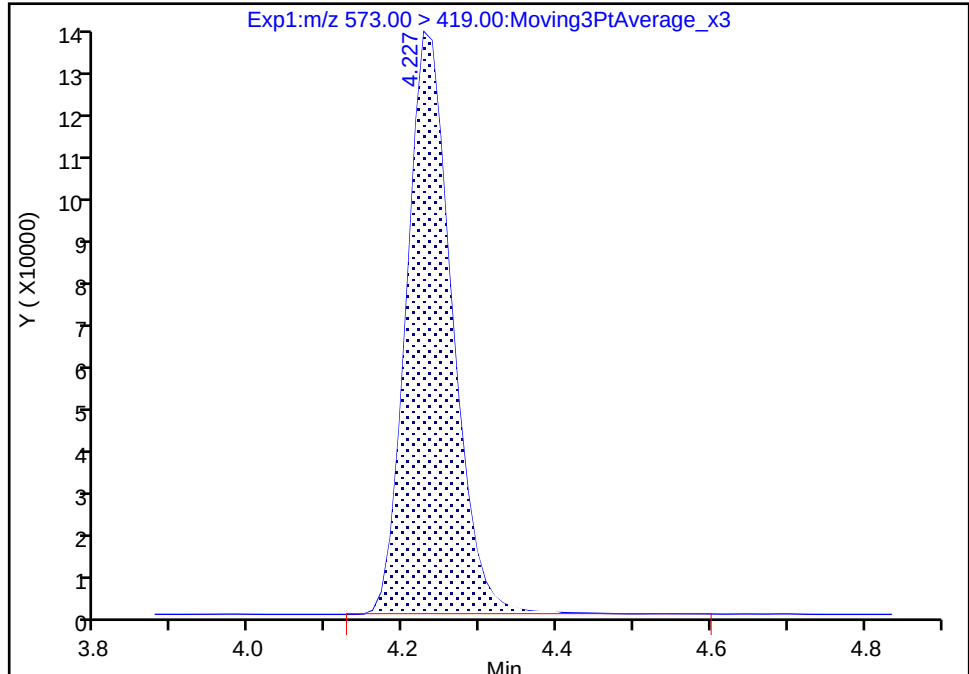
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d
Injection Date: 19-Dec-2022 14:22:54 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

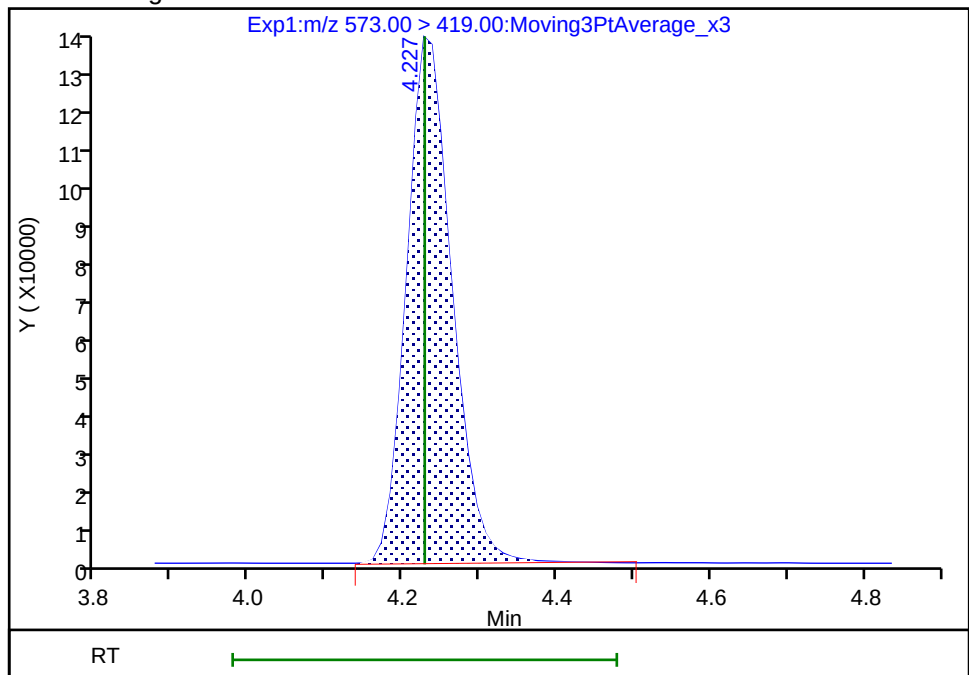
RT: 4.23
Area: 559908
Amount: 1.274570
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 559163
Amount: 1.272874
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:19:25
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

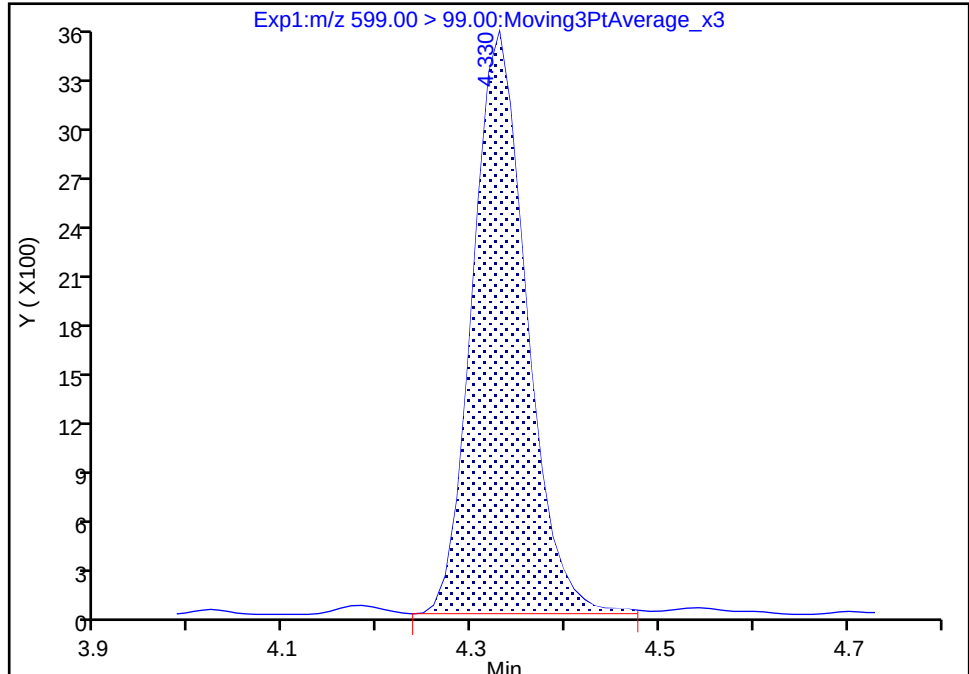
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d
Injection Date: 19-Dec-2022 14:22:54 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

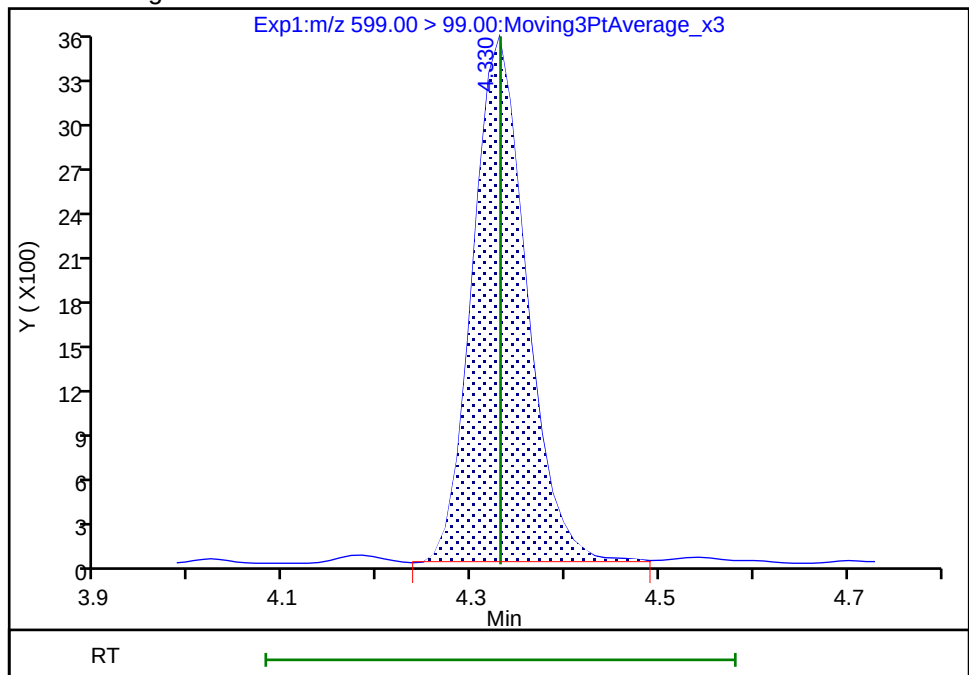
RT: 4.33
Area: 14009
Amount: 0.048070
Amount Units: ng/ml

Processing Integration Results



RT: 4.33
Area: 13866
Amount: 0.048717
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:22:07

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

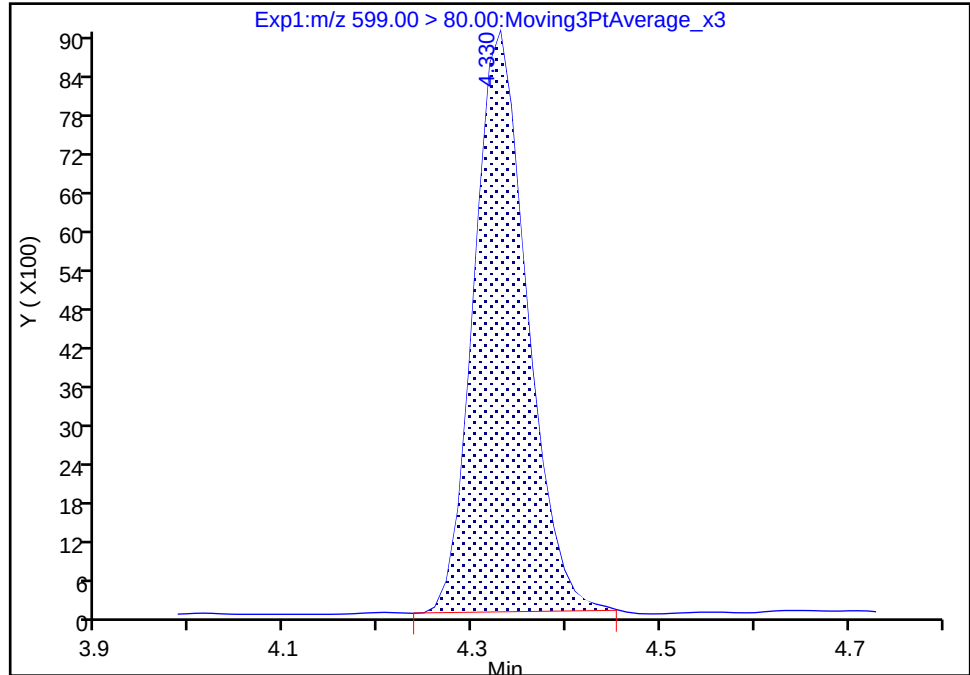
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d
Injection Date: 19-Dec-2022 14:22:54 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

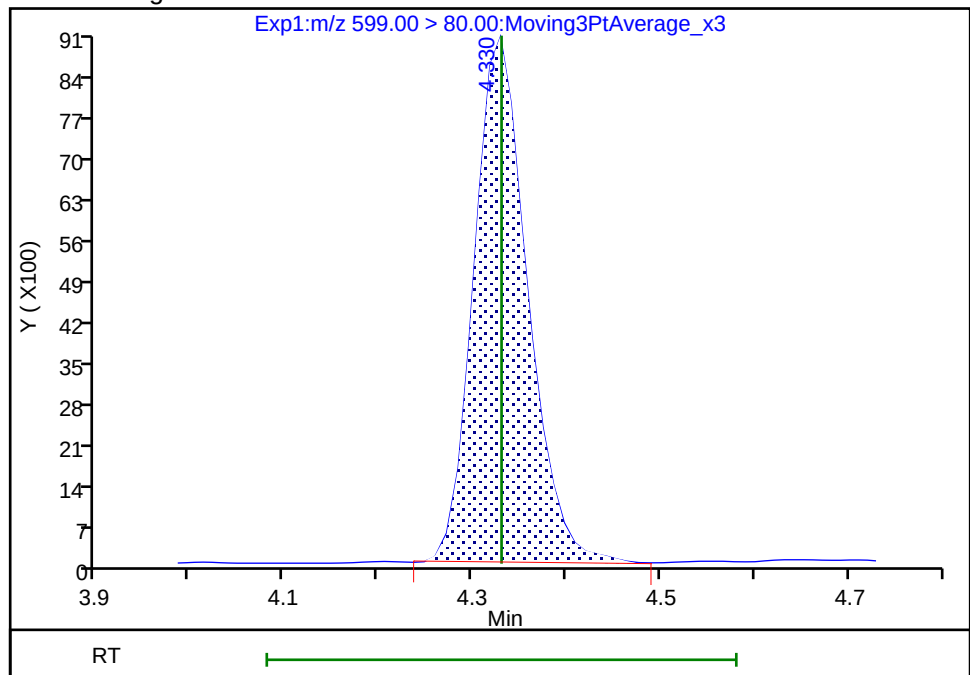
RT: 4.33
Area: 35420
Amount: 0.048070
Amount Units: ng/ml

Processing Integration Results



RT: 4.33
Area: 35897
Amount: 0.048717
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:22:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

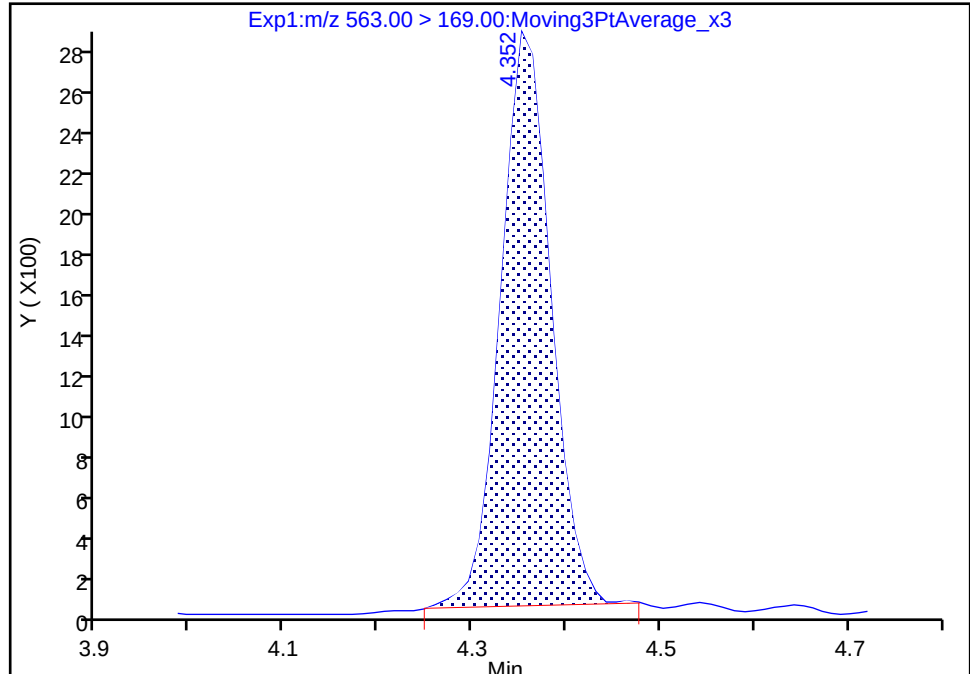
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d
Injection Date: 19-Dec-2022 14:22:54 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

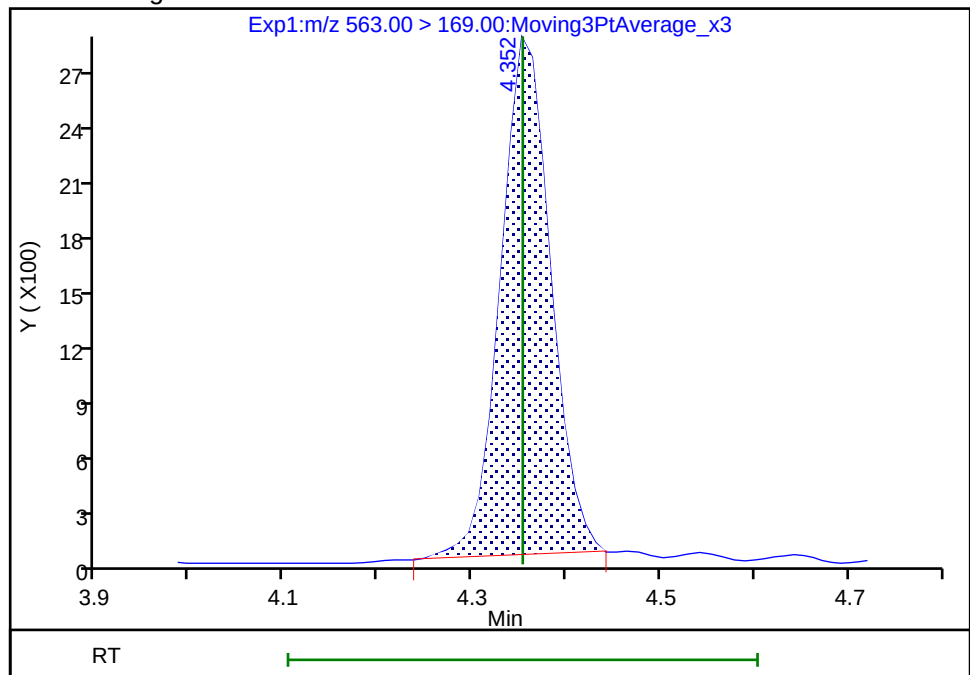
RT: 4.35
Area: 10549
Amount: 0.050369
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 10551
Amount: 0.050369
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:22:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

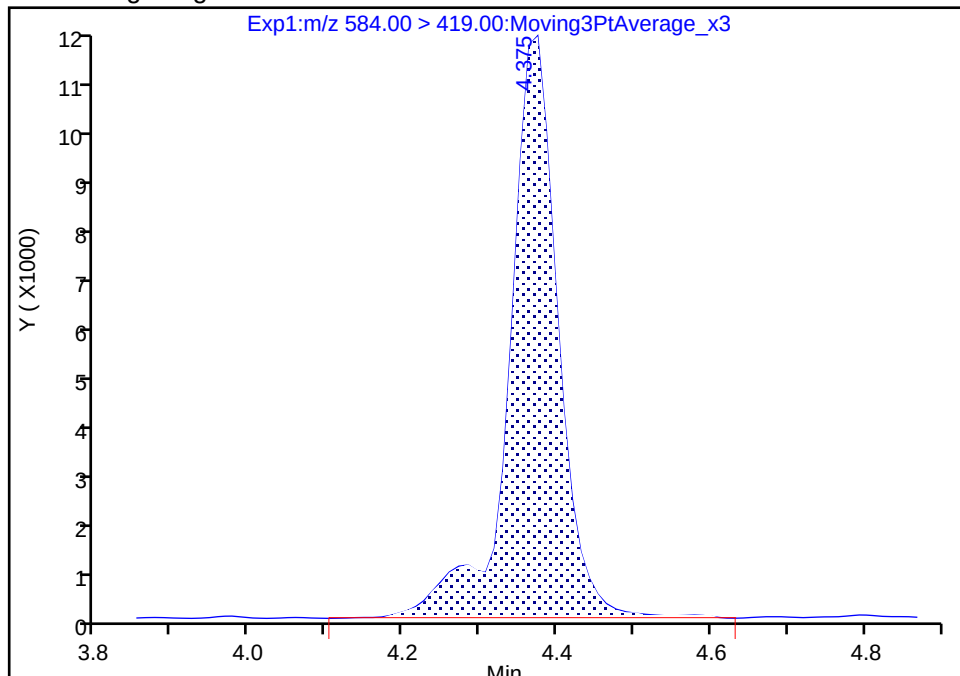
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d
Injection Date: 19-Dec-2022 14:22:54 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

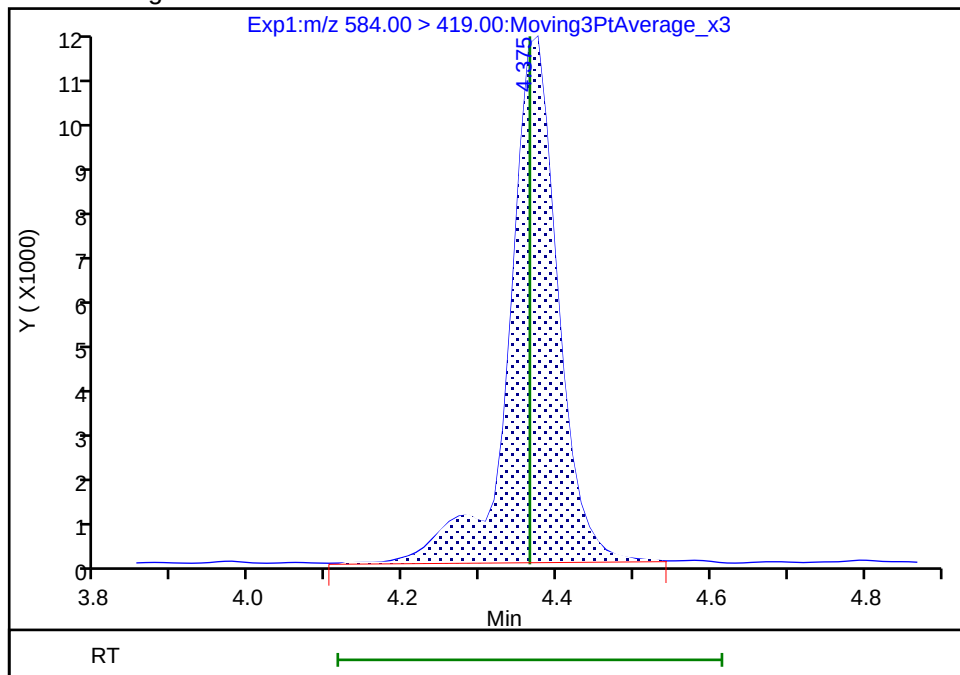
RT: 4.37
Area: 49240
Amount: 0.127226
Amount Units: ng/ml

Processing Integration Results



RT: 4.37
Area: 48380
Amount: 0.125004
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:22:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

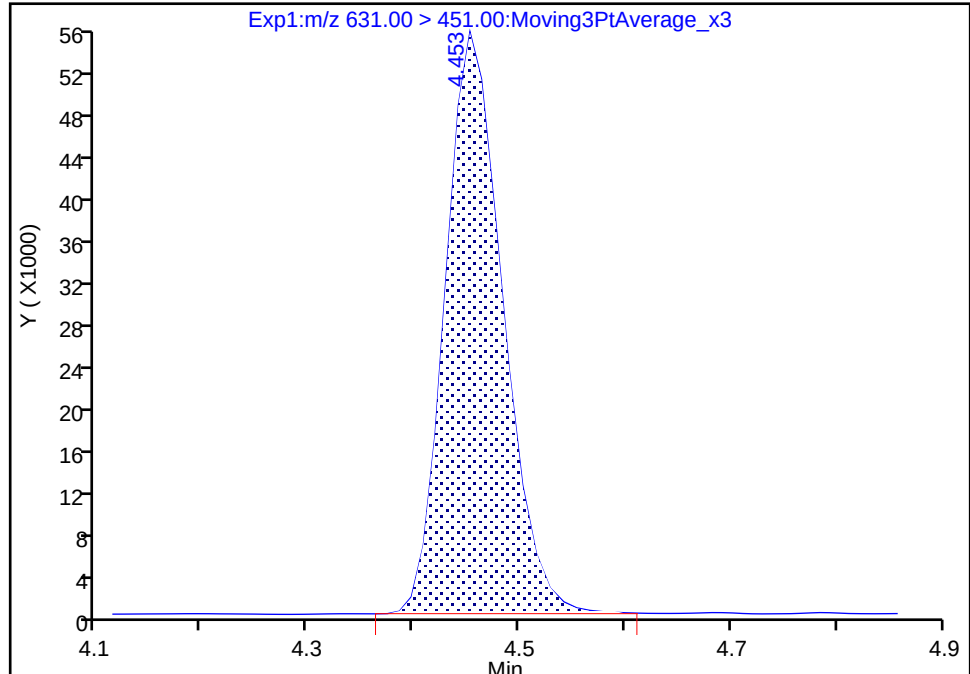
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d
Injection Date: 19-Dec-2022 14:22:54 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

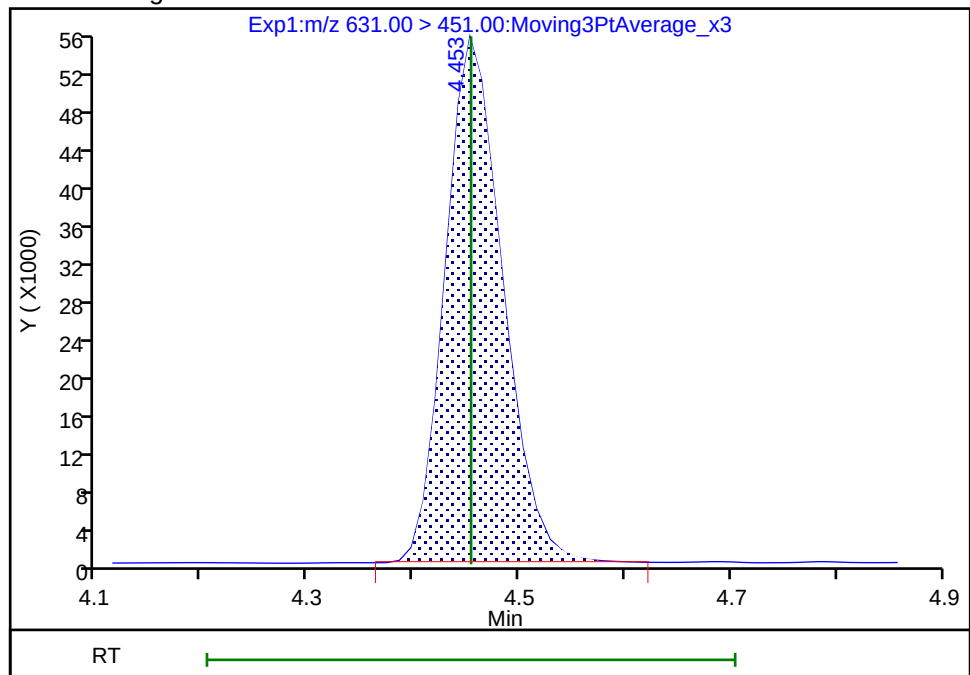
RT: 4.45
Area: 209422
Amount: 0.047876
Amount Units: ng/ml

Processing Integration Results



RT: 4.45
Area: 209622
Amount: 0.047922
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:22:45
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

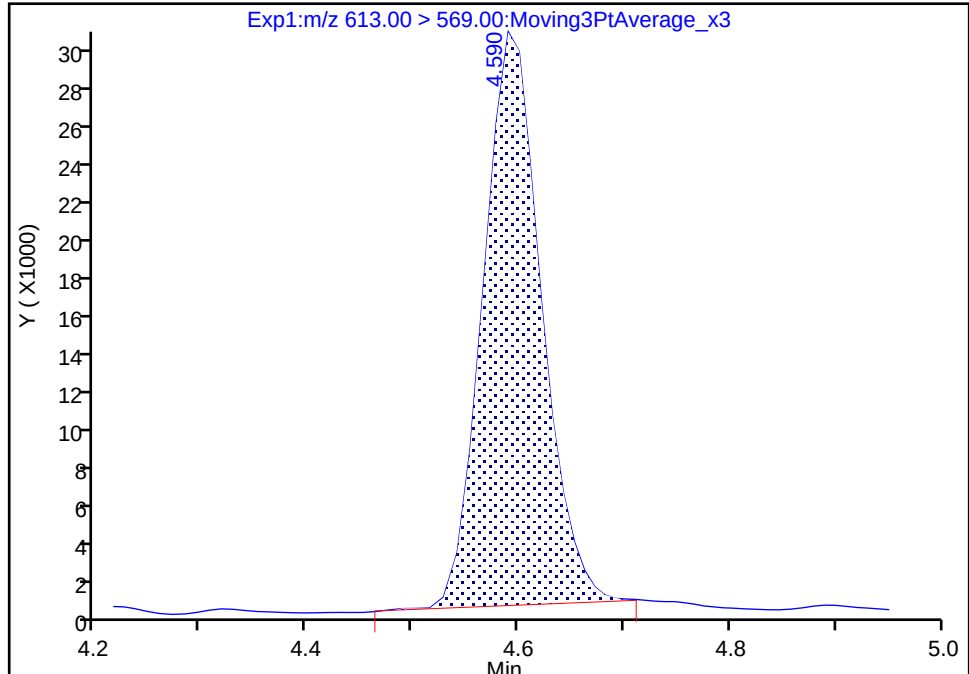
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d
Injection Date: 19-Dec-2022 14:22:54 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

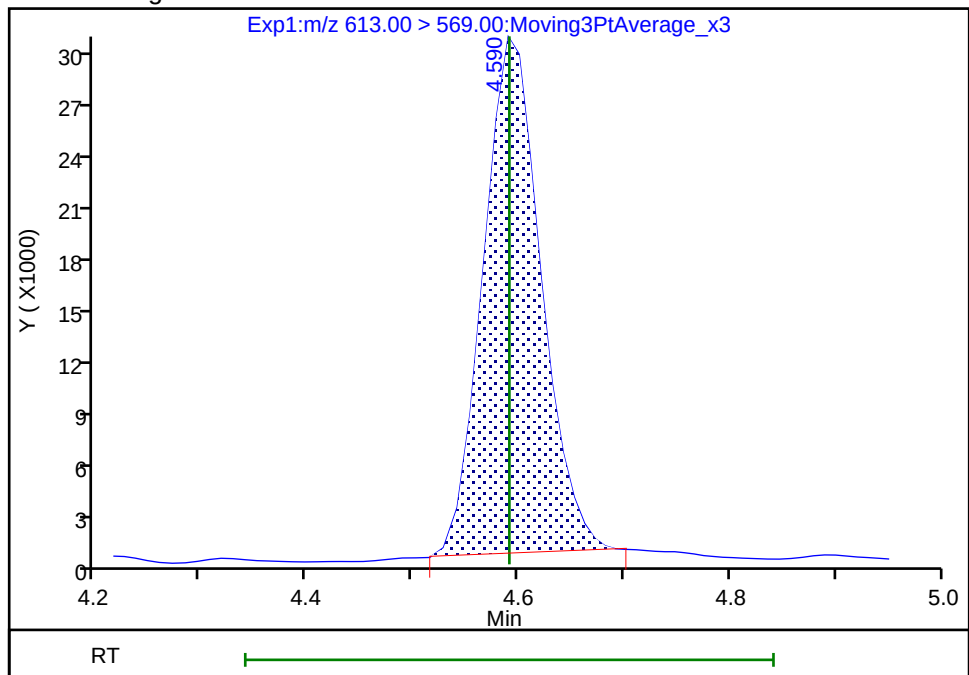
RT: 4.59
Area: 114545
Amount: 0.051830
Amount Units: ng/ml

Processing Integration Results



RT: 4.59
Area: 113801
Amount: 0.051493
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:22:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

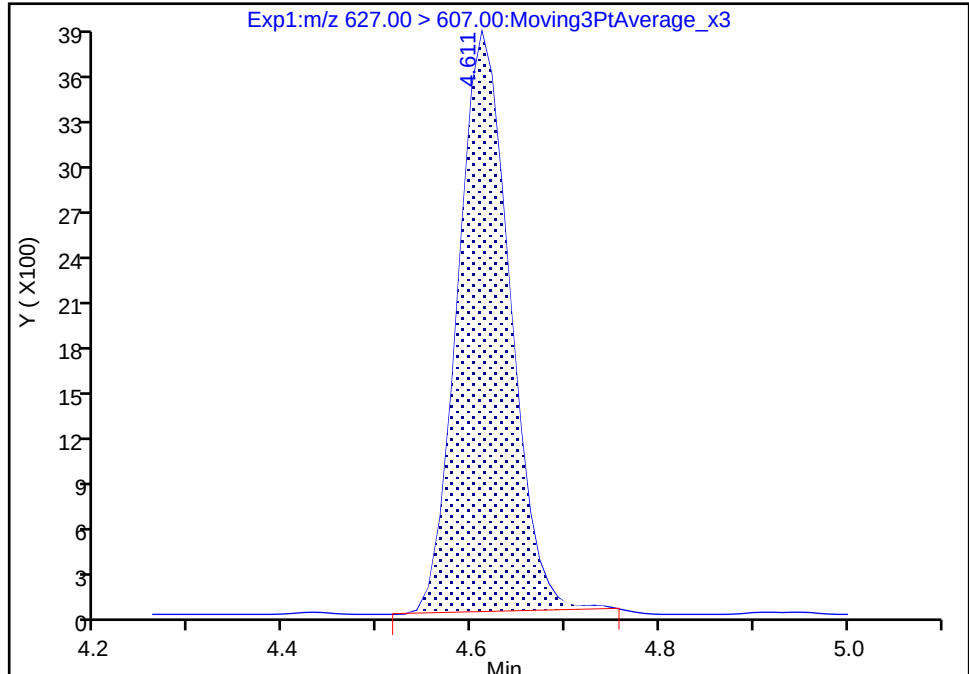
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d
Injection Date: 19-Dec-2022 14:22:54 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

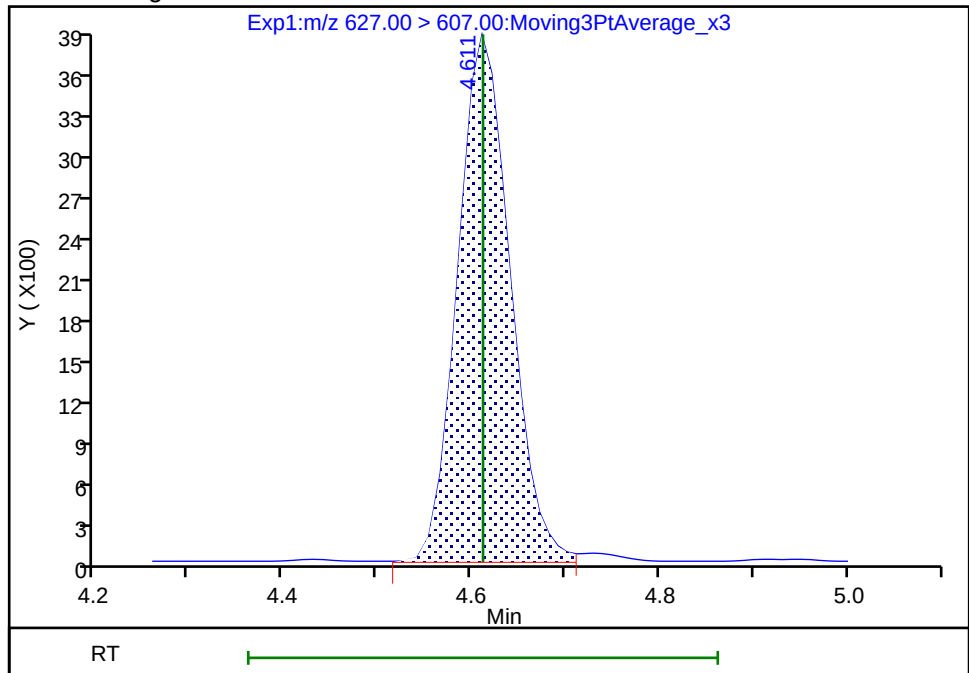
RT: 4.61
Area: 14690
Amount: 0.050923
Amount Units: ng/ml

Processing Integration Results



RT: 4.61
Area: 14806
Amount: 0.051325
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:23:01
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

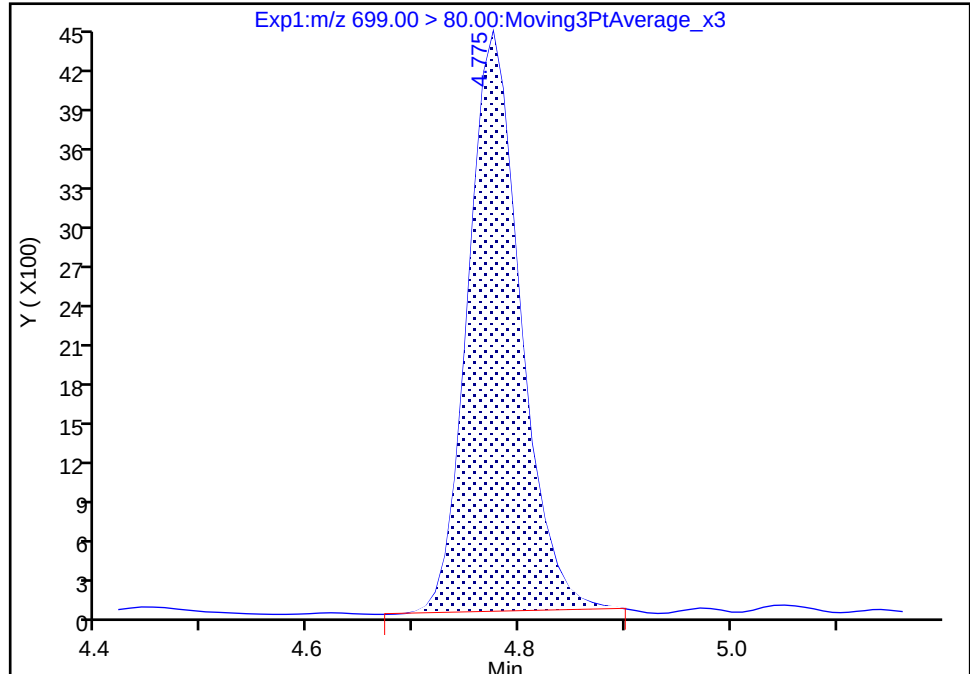
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d
Injection Date: 19-Dec-2022 14:22:54 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

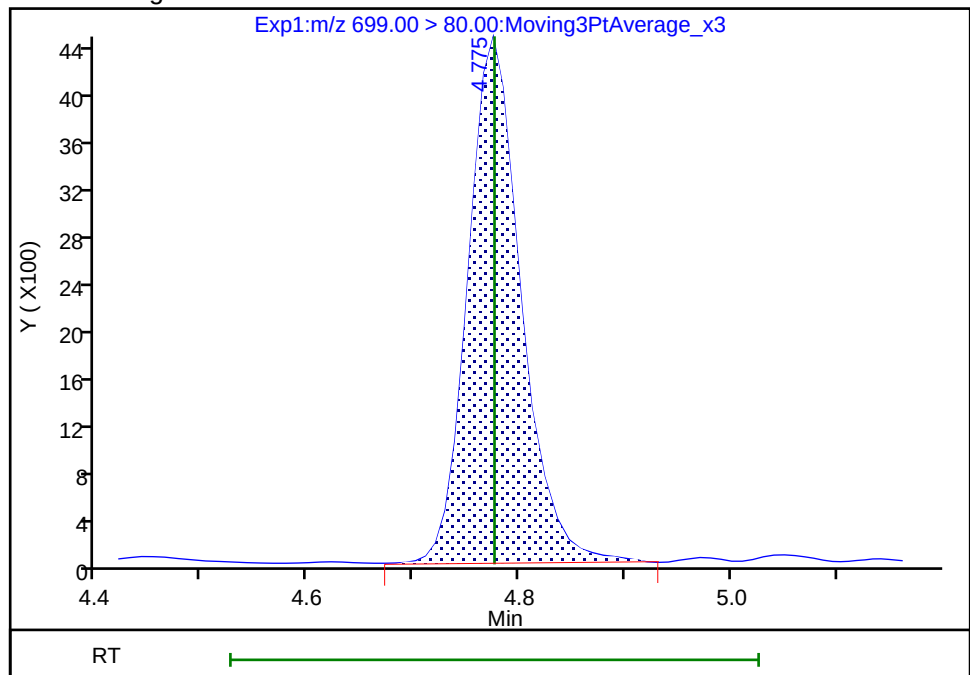
RT: 4.78
Area: 15108
Amount: 0.048460
Amount Units: ng/ml

Processing Integration Results



RT: 4.78
Area: 15381
Amount: 0.049336
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:23:10
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

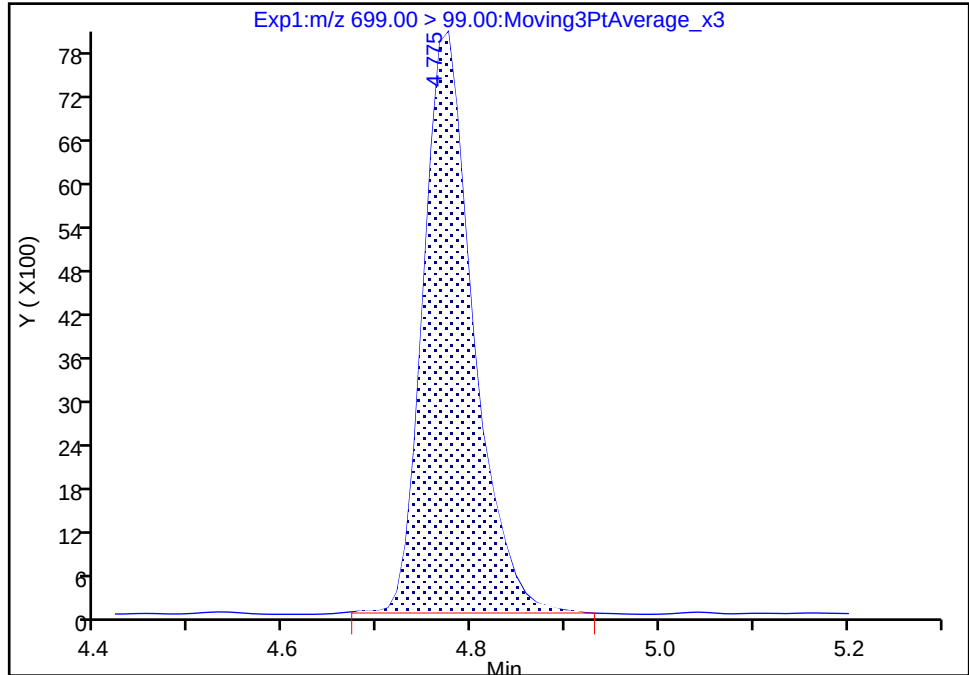
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d
Injection Date: 19-Dec-2022 14:22:54 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 2

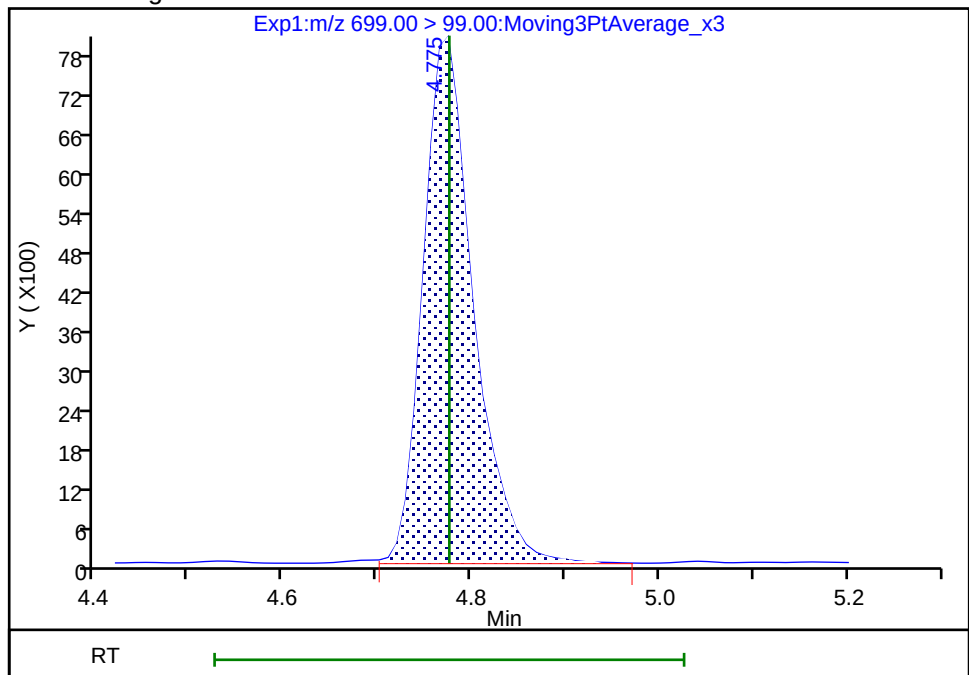
RT: 4.78
Area: 29705
Amount: 0.048460
Amount Units: ng/ml

Processing Integration Results



RT: 4.78
Area: 29988
Amount: 0.049336
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:23:24

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

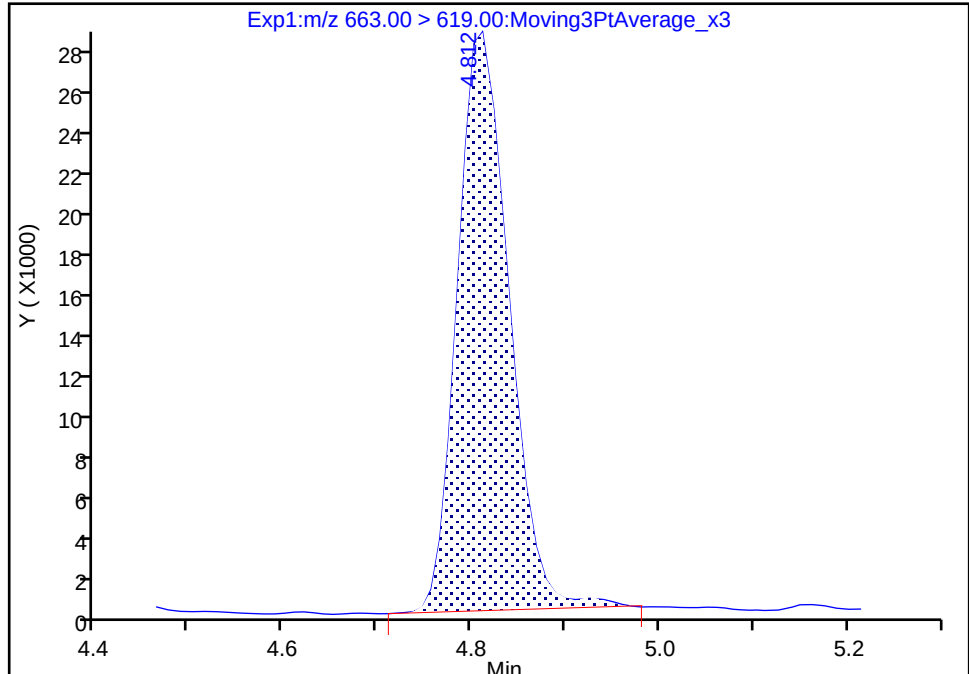
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d
Injection Date: 19-Dec-2022 14:22:54 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

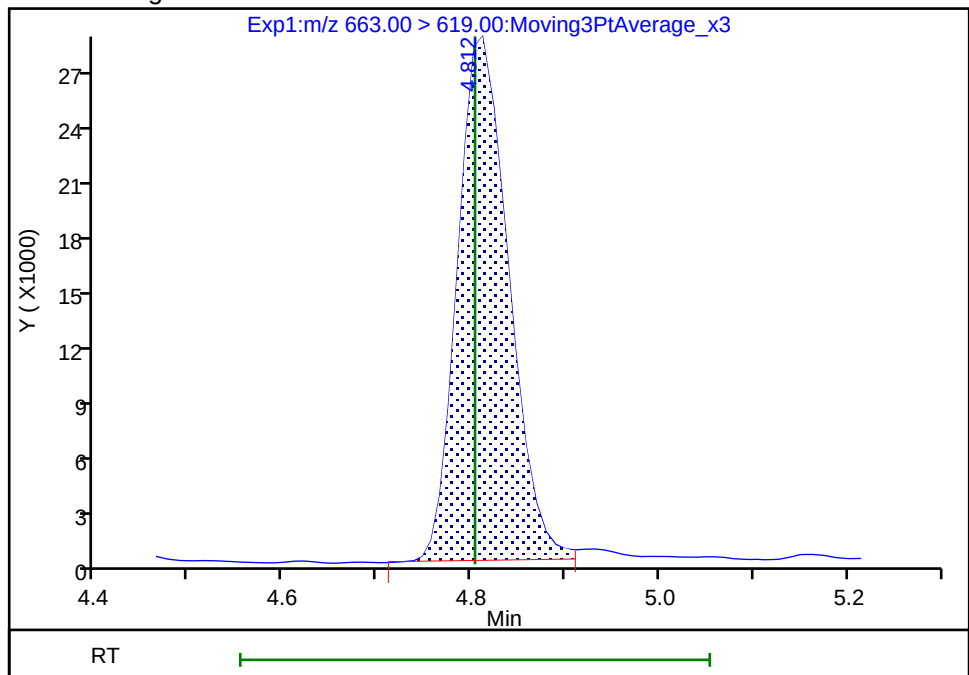
RT: 4.81
Area: 105692
Amount: 0.050006
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 104473
Amount: 0.049429
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:23:28

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

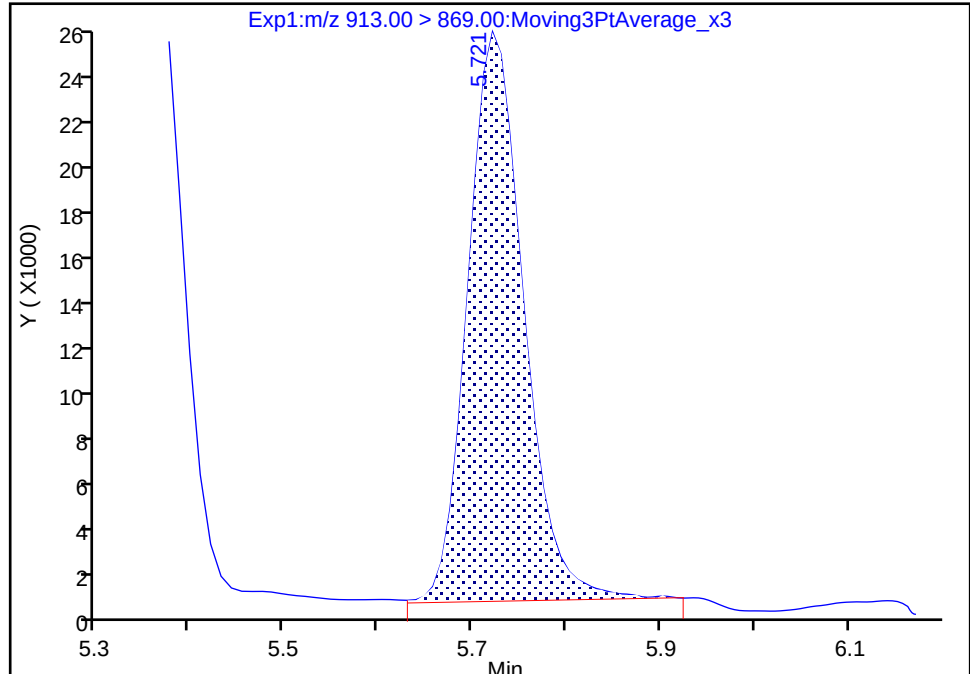
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A05.d
Injection Date: 19-Dec-2022 14:22:54 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

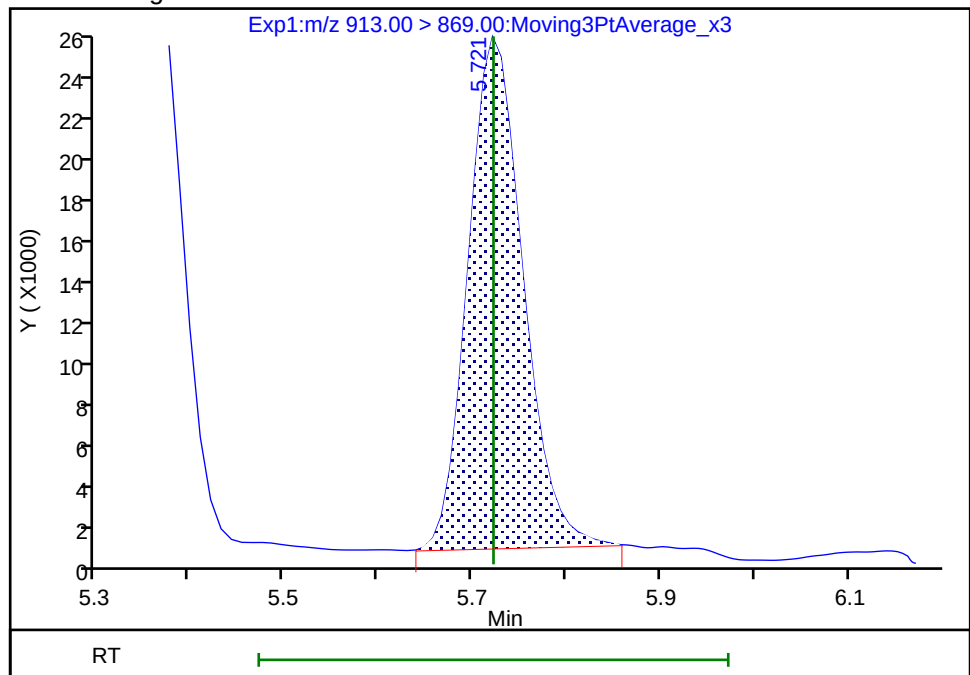
RT: 5.72
Area: 103707
Amount: 0.047691
Amount Units: ng/ml

Processing Integration Results



RT: 5.72
Area: 100386
Amount: 0.046164
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:23:40
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-271302-1

SDG No.: _____

Lab Sample ID: CCV 200-186872/1 Calibration Date: 12/19/2022 18:11

Instrument ID: LC812 Calib Start Date: 11/18/2022 14:29

GC Column: C-18 ID: 4.60 (mm) Calib End Date: 11/18/2022 15:10

Lab File ID: PA221219B01.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	1.031	0.9188		0.891	1.00	-10.9	
Perfluoropentanoic acid (PFPeA)	AveID	1.090	0.9797		0.899	1.00	-10.1	
Perfluorobutanesulfonic acid (PFBS)	AveID	1.144	1.009		0.779	0.884	-11.8	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	3.081	2.798		0.848	0.934	-9.2	
Perfluorohexanoic acid (PFHxA)	AveID	1.090	0.9749		0.895	1.00	-10.5	
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.335	1.219		0.856	0.938	-8.7	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.056	1.006		0.952	1.00	-4.8	
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.129	1.021		0.824	0.910	-9.5	
Perfluoroheptanoic acid (PFHpA)	AveID	1.089	0.9679		0.889	1.00	-11.1	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	5.507	4.909		0.840	0.942	-10.9	
6:2 FTS	L1ID		2.178		0.966	0.948	1.9	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.397	1.276		0.870	0.952	-8.6	
Perfluorooctanoic acid (PFOA)	AveID	1.069	0.9818		0.918	1.00	-8.2	
Perfluorooctanesulfonic acid (PFOS)	AveID	1.216	1.063		0.811	0.928	-12.6	
Perfluorononanoic acid (PFNA)	AveID	1.037	0.9540		0.920	1.00	-8.0	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	AveID	2.791	2.603		0.869	0.932	-6.7	
Perfluorononanesulfonic acid (PFNS)	AveID	0.9179	0.8438		0.882	0.960	-8.1	
Perfluorodecanoic acid (PFDA)	AveID	1.084	1.049		0.967	1.00	-3.3	
8:2 FTS	AveID	1.617	1.606		0.951	0.958	-0.7	
Perfluorooctanesulfonamide (FOSA)	AveID	1.045	0.9392		0.899	1.00	-10.1	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	L1ID		0.8439		0.969	1.00	-3.1	30.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.7248	0.6705		0.892	0.964	-7.5	
Perfluoroundecanoic acid (PFUnA)	AveID	1.008	0.9739		0.966	1.00	-3.4	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.8953	0.8223		0.919	1.00	-8.1	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF)	AveID	4.303	4.040		0.884	0.942	-6.1	
Perfluorododecanoic acid (PFDoA)	AveID	1.059	1.010		0.953	1.00	-4.7	
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	AveID	0.9717	0.9709		0.963	0.964	-0.0	
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.3067	0.2947		0.930	0.968	-3.9	

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-271302-1
 SDG No.: _____
 Lab Sample ID: CCV 200-186872/1 Calibration Date: 12/19/2022 18:11
 Instrument ID: LC812 Calib Start Date: 11/18/2022 14:29
 GC Column: C-18 ID: 4.60 (mm) Calib End Date: 11/18/2022 15:10
 Lab File ID: PA221219B01.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorotridecanoic acid (PFTrIA)	AveID	1.013	0.9697		0.957	1.00	-4.3	
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1369	0.1212		0.886	1.00	-11.4	
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		0.8620		0.920	1.00	-8.0	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.8236	0.8004		0.972	1.00	-2.8	
13C4 PFBA	Ave	1.122	1.024		1.14	1.25	-8.7	
13C5 PFPeA	Ave	0.8543	0.8298		1.21	1.25	-2.9	
13C3 PFBS	Ave	0.9281	0.9526		1.19	1.16	2.6	
M2-4:2 FTS	Ave	0.0820	0.0793		1.13	1.17	-3.3	
13C2 PFHxA	Ave	0.8951	0.9036		1.26	1.25	1.0	
13C3 HFPO-DA	Ave	0.1580	0.1547		1.22	1.25	-2.1	
18O2 PFHxS	Ave	0.6761	0.6988		1.22	1.18	3.4	50.0
13C4 PFHpA	Ave	0.9206	0.9445		1.28	1.25	2.6	50.0
M2-6:2 FTS	Ave	0.1134	0.1103		1.16	1.19	-2.8	
13C4 PFOA	Ave	1.035	1.015		1.23	1.25	-1.9	50.0
13C4 PFOS	Ave	0.4588	0.4755		1.24	1.20	3.6	50.0
13C5 PFNA	Ave	1.006	1.057		1.31	1.25	5.1	50.0
13C2 PFDA	Ave	1.025	1.089		1.33	1.25	6.2	
M2-8:2 FTS	Ave	0.1387	0.1409		1.22	1.20	1.6	
13C8 FOSA	Ave	0.8403	0.8691		1.29	1.25	3.4	
d3-NMeFOSAA	Ave	0.2087	0.2135		1.28	1.25	2.3	
13C2 PFUnA	Ave	0.9385	0.9899		1.32	1.25	5.5	
d5-NEtFOSAA	Ave	0.2055	0.2214		1.35	1.25	7.7	
13C2 PFDoA	Ave	0.9562	0.9778		1.28	1.25	2.3	
13C2 PFTeDA	Ave	0.8270	0.9381		1.42	1.25	13.4	
13C2 PFHxDA	Ave	1.022	1.154		1.41	1.25	12.8	

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B01.d
 Lims ID: CCV L4
 Client ID:
 Sample Type: CCV
 Inject. Date: 19-Dec-2022 18:11:51 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: CCV L4
 Misc. Info.: 200-0053737-001 Plate: 1 Rack: 2
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 22-Dec-2022 09:36:15 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1616

First Level Reviewer: khanphomeea

Date: 20-Dec-2022 09:29:01

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.094	2.076	0.018	0.608	2631474	1.14		91.3	9548	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.094	2.076	0.018	1.000	1934207	0.8910		89.1	165	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.402	2.387	0.015	0.698	2133047	1.21		97.1	3431	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.402	2.387	0.015	1.000	1671792	0.8989		89.9	48.1	
D 47 13C3 PFBS										
301.90 > 80.00	2.415	2.400	0.015	0.702	2277476	1.19		103	271613	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.428	2.400	0.028	1.006	1746695	0.7793	Target=2.09	88.2	2406	
298.90 > 99.00	2.415	2.400	0.015	1.000	831093		2.10(1.04-3.13)		561	
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.704	2.689	0.015	1.000	426308	0.8483		90.8	2103	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.704	2.689	0.015	0.786	190443	1.13		96.7	200	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.740	2.725	0.015	0.796	2322888	1.26		101	4409	
6 Perfluorohexanoic acid										
313.00 > 269.00	2.740	2.725	0.015	1.000	1811742	0.8948	Target=14.25	89.5	373	
313.00 > 119.00	2.740	2.725	0.015	1.000	134920		13.43(7.12-21.37)		246	
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.740	2.737	0.003	0.887	1643075	0.8561	Target=3.04	91.3	2600	
349.00 > 99.00	2.740	2.737	0.003	0.887	566392		2.90(1.52-4.56)		1060	
67 Perfluoro(2-propoxypropanoic) ac										
285.00 > 169.00	2.850	2.835	0.015	1.000	319924	0.9523		95.2	2247	

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	2.850	2.835	0.015	0.828	397703	1.22		97.9	1799	
D 11 18O2 PFHxS										
403.00 > 84.00	3.090	3.088	0.002	0.898	1699481	1.22		103	2338	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.090	3.088	0.002	1.000	1335821	0.8235	Target=3.66	90.5	1877	M
399.00 > 99.00	3.090	3.088	0.002	1.000	394260		3.39(1.83-5.49)	525		M
D 9 13C4 PFHpA										
367.00 > 322.00	3.101	3.099	0.002	0.901	2427871	1.28		103	3951	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.101	3.099	0.002	1.000	1879943	0.8890	Target=3.97	88.9	436	M
363.00 > 169.00	3.101	3.099	0.002	1.000	473190		3.97(1.98-5.95)	719		M
77 DONA										
377.00 > 251.00	3.134	3.132	0.002	0.834	4522078	0.8397	Target=3.16	89.1	2094	M
377.00 > 85.00	3.134	3.132	0.002	0.834	1437308		3.15(1.58-4.73)	1839		
D 12 M2-6:2 FTS										
429.00 > 81.00	3.432	3.439	-0.007	0.997	269258	1.15		97.2	833	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.432	3.439	-0.007	1.000	468272	0.9658		102	784	M
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.432	3.439	-0.007	0.913	1187970	0.8698	Target=5.14	91.4	2212	M
449.00 > 99.00	3.432	3.439	-0.007	0.913	250382		4.74(2.57-7.72)	1023		
D 14 13C4 PFOA										
417.00 > 372.00	3.441	3.448	-0.007	1.000	2609204	1.23		98.1	2828	
* 62 13C2 PFOA										
415.00 > 370.00	3.441	3.448	-0.007		2570641	1.25			3421	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.441	3.448	-0.007	1.000	2049385	0.9184	Target=2.79	91.8	153	M
413.00 > 169.00	3.441	3.448	-0.007	1.000	746417		2.75(1.40-4.19)	839		M
D 18 13C4 PFOS										
503.00 > 80.00	3.758	3.764	-0.006	1.092	1168585	1.24		104	3457	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.758	3.764	-0.006	1.000	964461	0.8110	Target=5.11	87.4	1347	M
499.00 > 99.00	3.758	3.764	-0.006	1.000	212438		4.54(2.55-7.66)	680		M
20 Perfluorononanoic acid										
463.00 > 419.00	3.777	3.783	-0.006	1.000	2074786	0.9197	Target=8.55	92.0	470	
463.00 > 169.00	3.777	3.783	-0.006	1.000	244291		8.49(4.28-12.83)	1327		M
D 19 13C5 PFNA										
468.00 > 423.00	3.777	3.783	-0.006	1.098	2718426	1.31		105	4810	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.919	3.928	-0.009	1.043	2372569	0.8692		93.3	3532	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.044	4.050	-0.006	1.076	792114	0.8825	Target=2.53	91.9	1660	M
549.00 > 99.00	4.044	4.050	-0.006	1.076	317558		2.49(1.27-3.80)	1139		M
D 23 13C2 PFDA										
515.00 > 470.00	4.074	4.081	-0.007	1.184	2799180	1.33		106	4195	

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	4.074	4.081	-0.007	1.000	2348873	0.9672	Target=10.26	96.7	1049	
513.00 > 169.00	4.074	4.081	-0.007	1.000	219385		10.71(5.13-15.38)		523	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.084	4.093	-0.009	1.187	346883	1.22		102	1366	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.084	4.093	-0.009	1.000	445662	0.9514		99.3	2375	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.141	4.150	-0.009	1.000	1678711	0.8990		89.9	1728	
D 21 13C8 FOSA										
506.00 > 78.00	4.141	4.150	-0.009	1.203	2234229	1.29		103	2666	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.210	4.228	-0.018	1.223	548825	1.28		102	741	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.220	4.228	-0.008	1.003	370512	0.9693		96.9	653	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.312	4.331	-0.019	1.147	632041	0.8918	Target=2.51	92.5	2606	
599.00 > 99.00	4.312	4.331	-0.019	1.147	245972		2.57(1.25-3.76)		1236	
D 30 13C2 PFUnA										
565.00 > 520.00	4.335	4.353	-0.018	1.260	2544725	1.32		105	2888	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.335	4.353	-0.018	1.000	1982679	0.9664	Target=9.88	96.6	784	
563.00 > 169.00	4.335	4.353	-0.018	1.000	195493		10.14(4.94-14.82)		936	
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.357	4.365	-0.008	1.003	374370	0.9185		91.9	870	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.346	4.365	-0.019	1.263	569072	1.35		108	849	
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.436	4.454	-0.018	1.180	3721208	0.8844		93.9	2352	M
37 Perfluorododecanoic acid										
613.00 > 569.00	4.571	4.591	-0.020	1.000	2030201	0.9529	Target=7.77	95.3	169	M
613.00 > 169.00	4.571	4.591	-0.020	1.000	259647		7.82(3.89-11.66)		1231	
D 36 13C2 PFDaA										
615.00 > 570.00	4.571	4.591	-0.020	1.328	2513597	1.28		102	4653	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.582	4.612	-0.030	1.122	271112	0.9632		99.9	718	M
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.741	4.776	-0.035	1.262	279004	0.9304	Target=0.50	96.1	2035	
699.00 > 99.00	4.741	4.776	-0.035	1.262	520362		0.54(0.25-0.76)		1618	M
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.778	4.804	-0.026	1.045	1949910	0.9570	Target=5.21	95.7	144	M
663.00 > 169.00	4.778	4.804	-0.026	1.045	350364		5.57(2.60-7.81)		1254	M
42 Perfluorotetradecanoic acid										
713.00 > 169.00	4.973	5.012	-0.039	1.000	233921	0.8857	Target=0.89	88.6	1164	M
713.00 > 219.00	4.973	5.012	-0.039	1.000	260999		0.90(0.44-1.33)		1171	M
D 43 13C2 PFTeDA										
715.00 > 670.00	4.973	5.012	-0.039	1.445	2411604	1.42		113	5859	

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	5.323	5.367	-0.044	1.000	2045198	0.9204	Target=5.65	92.0	161	
813.00 > 169.00	5.323	5.367	-0.044	1.000	339212		6.03(2.82-8.47)		1241	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.323	5.367	-0.044	1.547	2965751	1.41		113	3890	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.669	5.722	-0.053	1.065	1899097	0.9719	Target=6.24	97.2	176	M
913.00 > 169.00	5.669	5.722	-0.053	1.065	271837		6.99(3.12-9.36)		591	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC4_00037

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B01.d

Injection Date: 19-Dec-2022 18:11:51

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

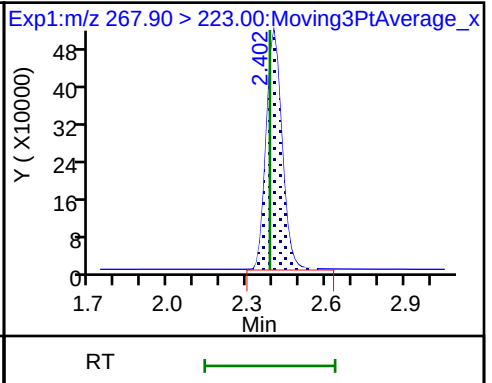
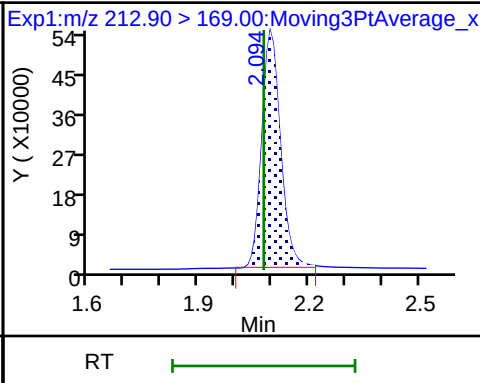
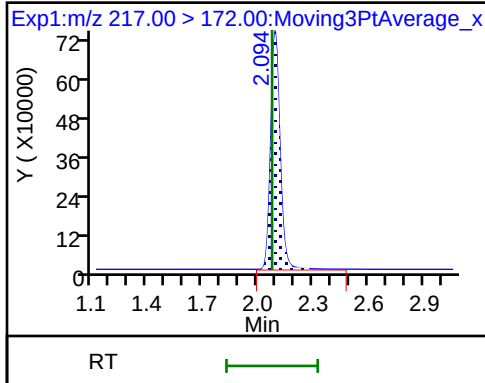
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

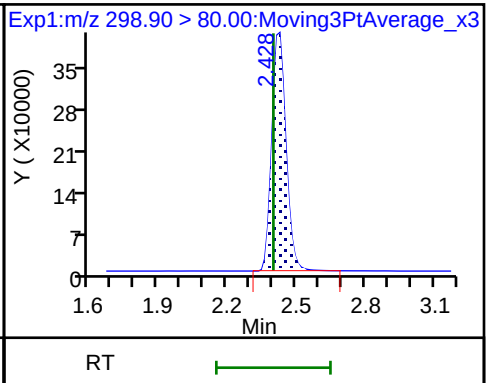
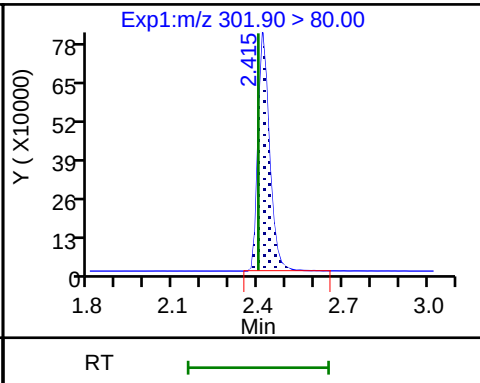
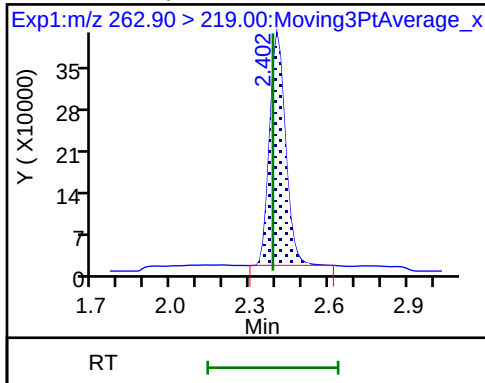
D 3 13C5 PFPeA



4 Perfluoropentanoic acid

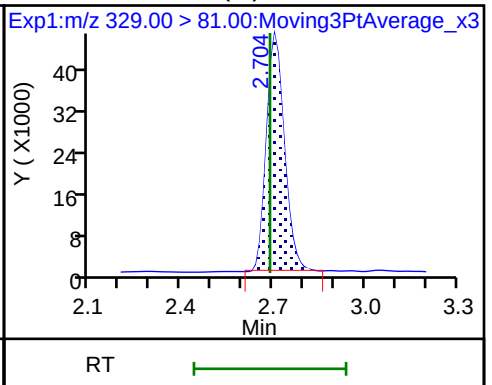
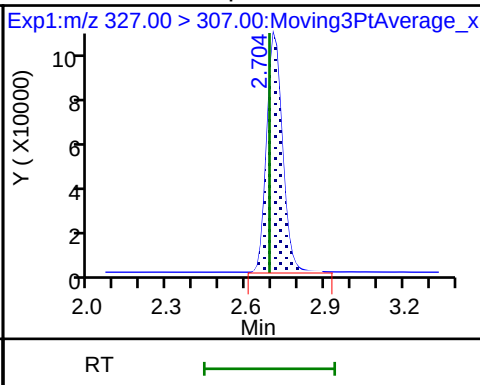
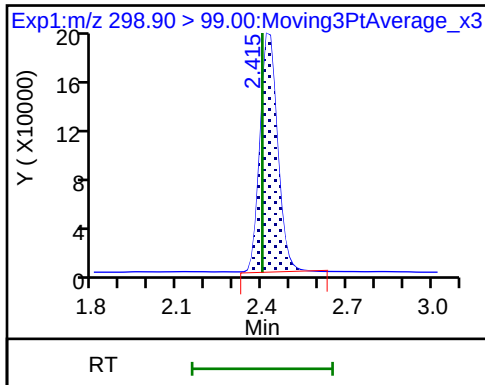
D 47 13C3 PFBS

5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid

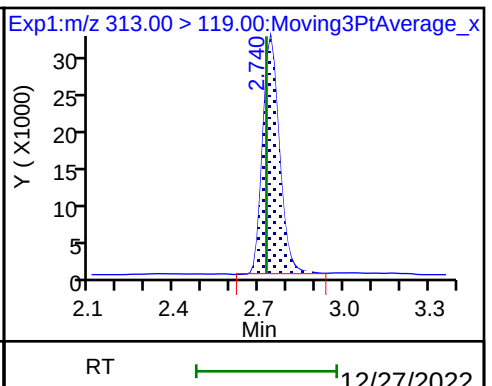
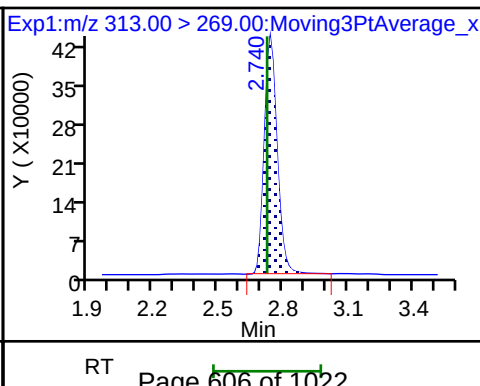
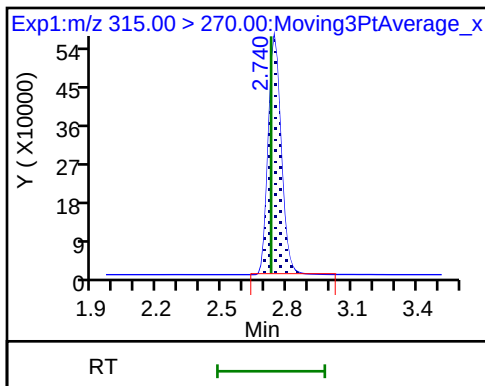
61 1H,1H,2H,2H-perfluorohexanesulfo D 60 M2-4:2 FTS (M)

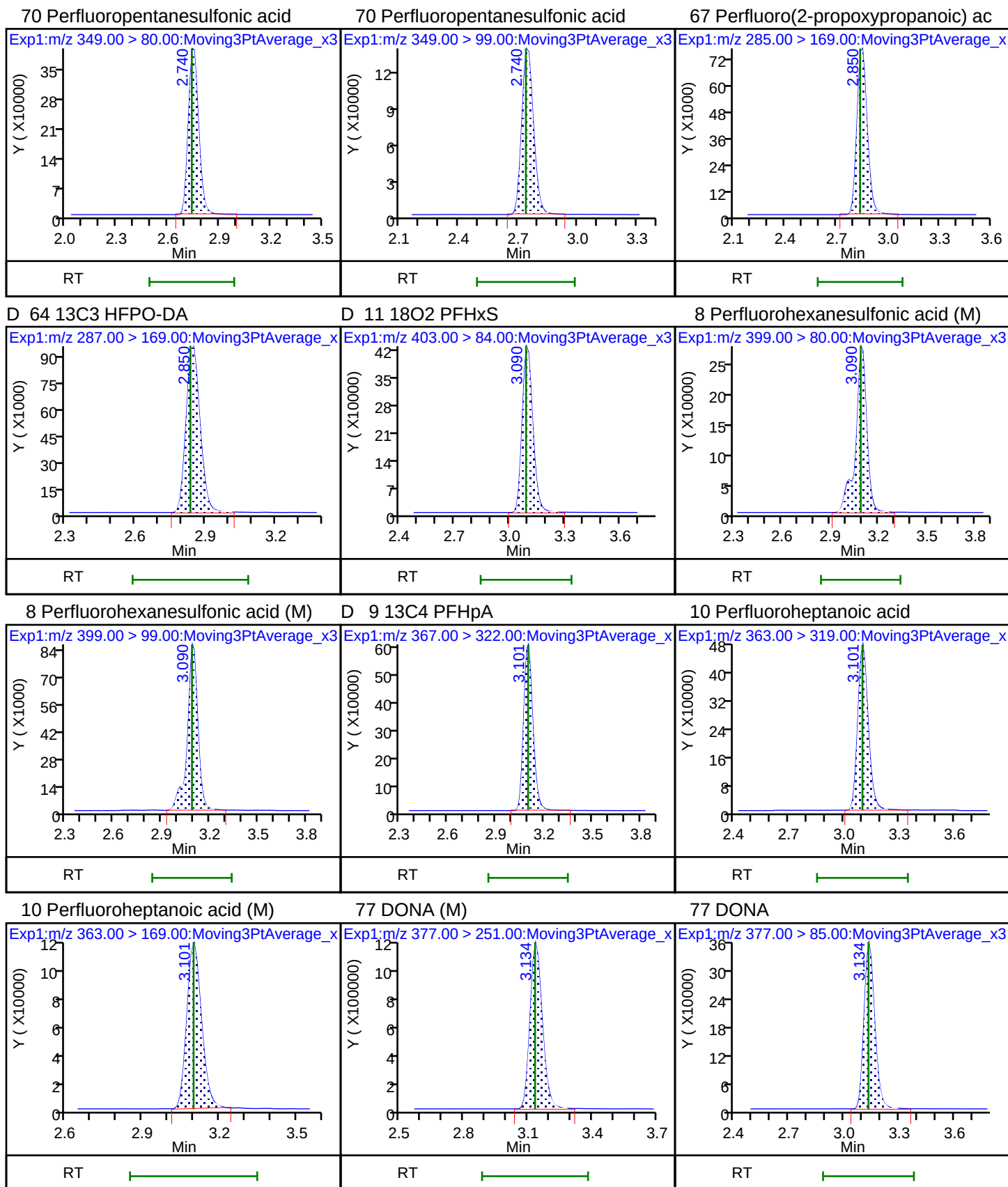


D 7 13C2 PFHxA

6 Perfluorohexanoic acid

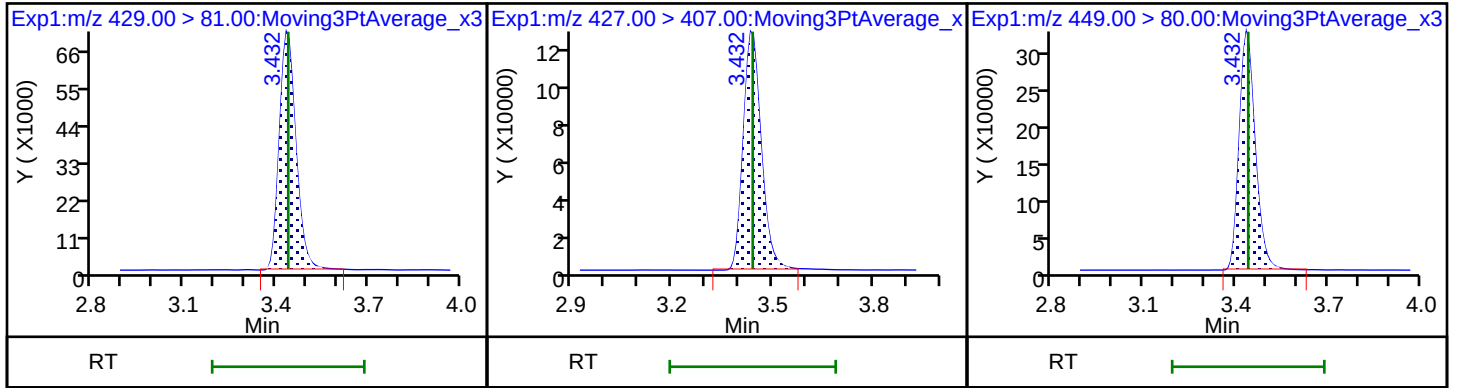
6 Perfluorohexanoic acid





D 12 M2-6:2 FTS

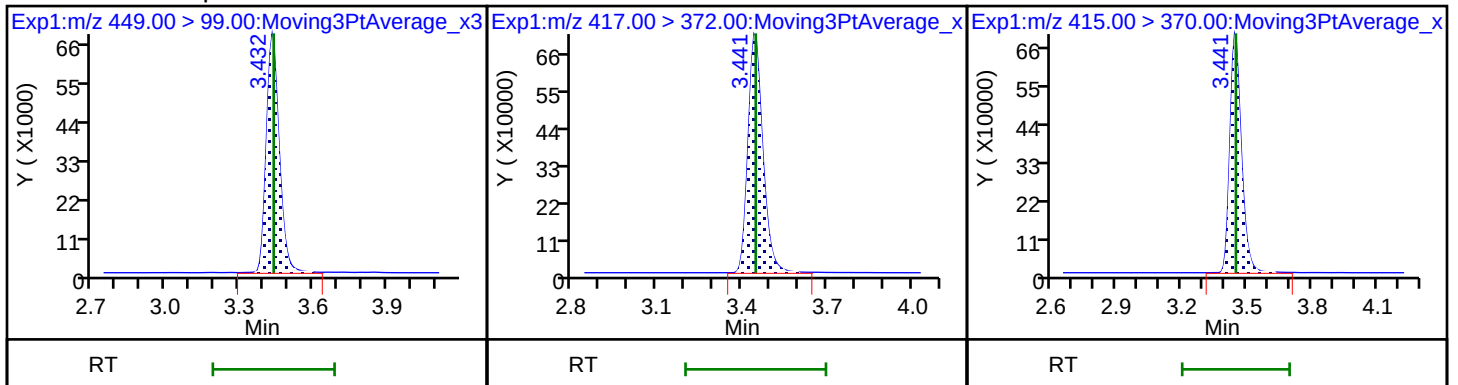
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid

D 14 13C4 PFOA

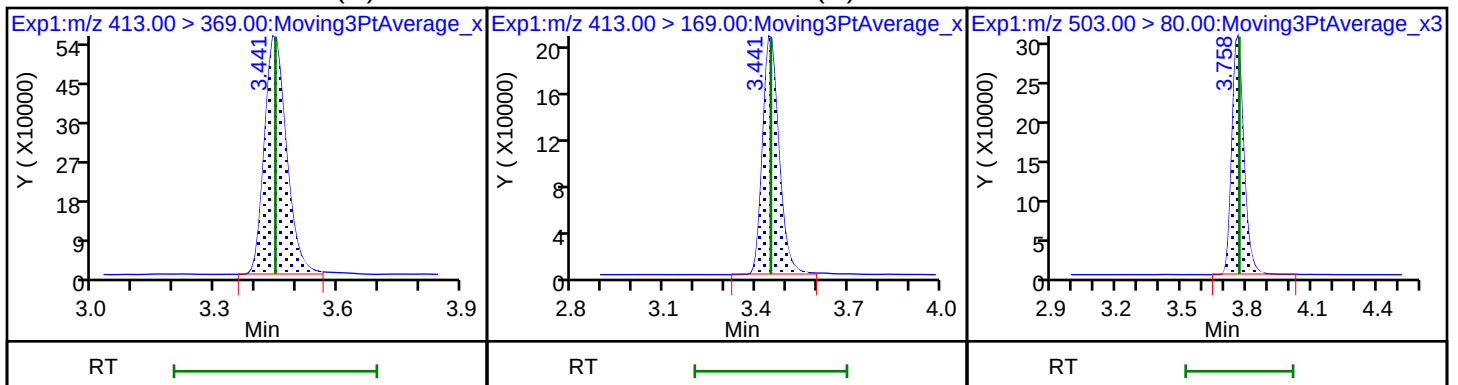
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

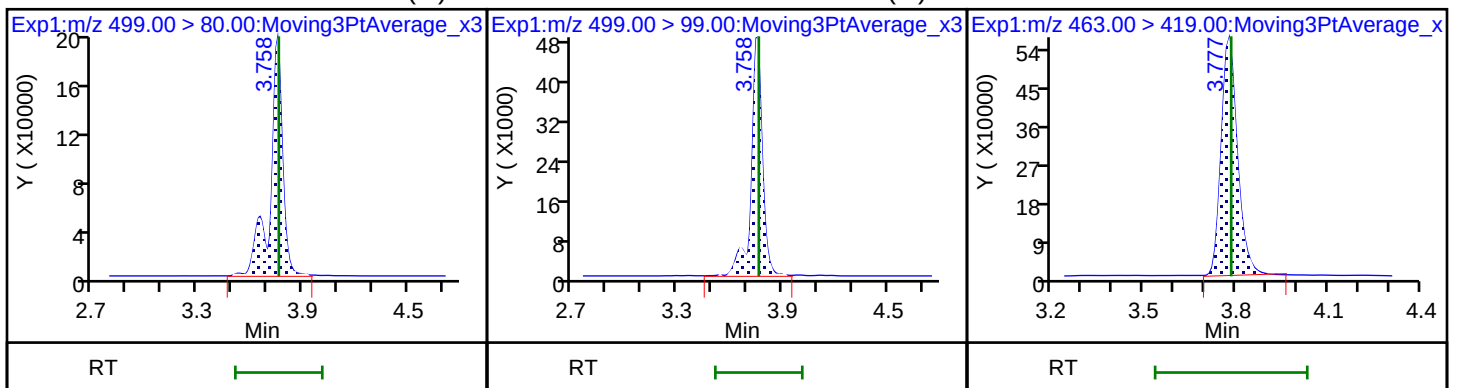
D 18 13C4 PFOS

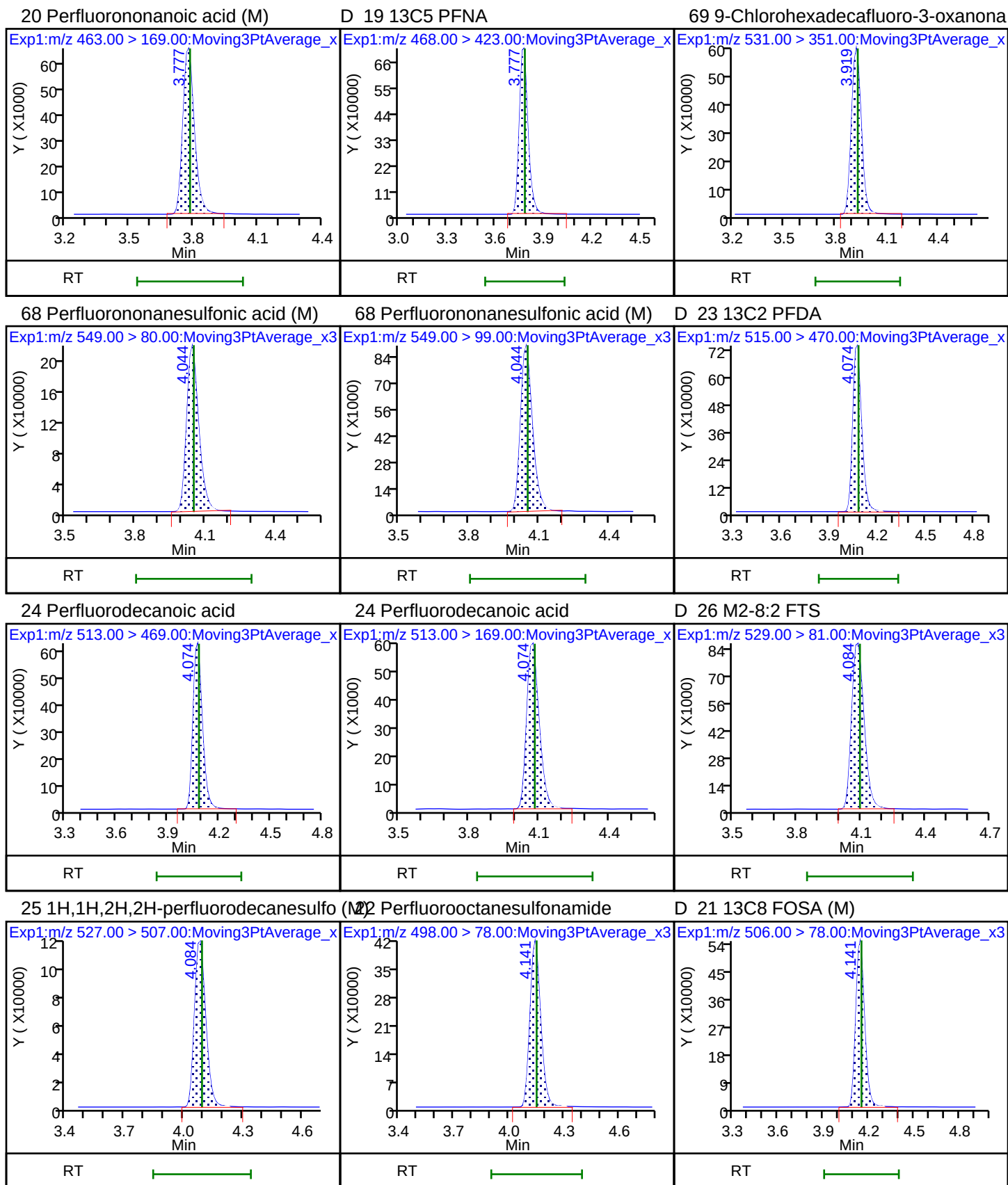


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid

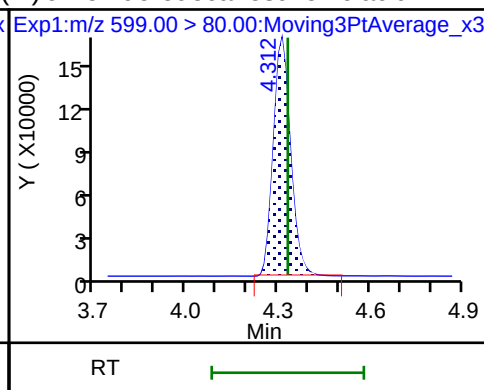
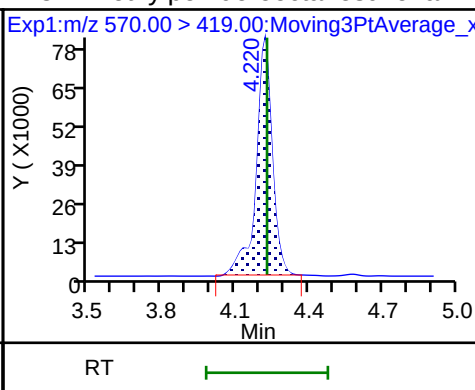
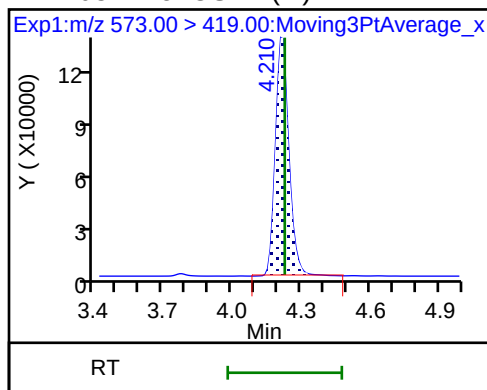




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

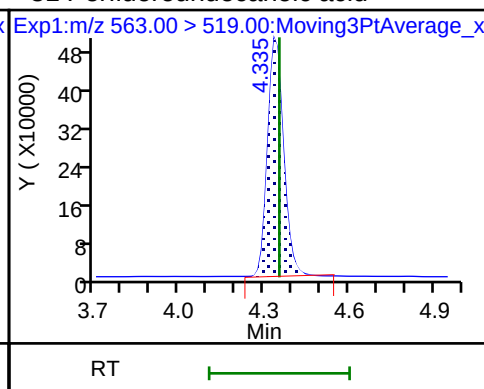
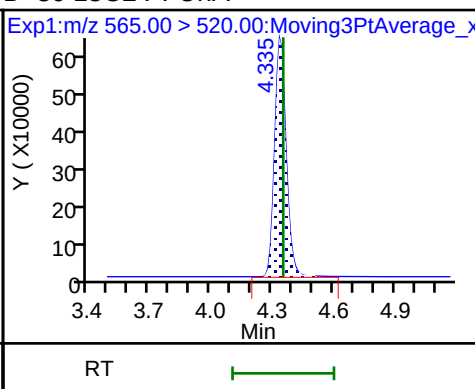
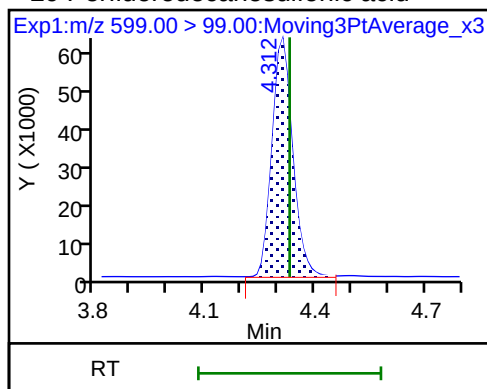
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid

D 30 13C2 PFUoA

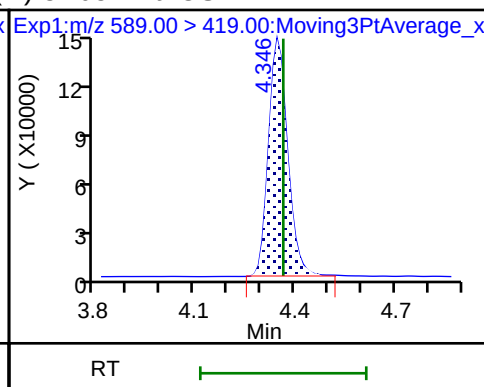
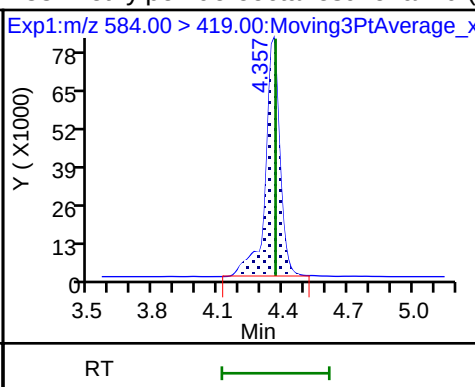
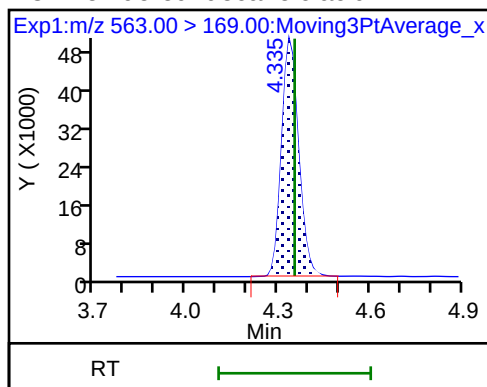
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid

33 N-ethylperfluorooctanesulfonamid (M)

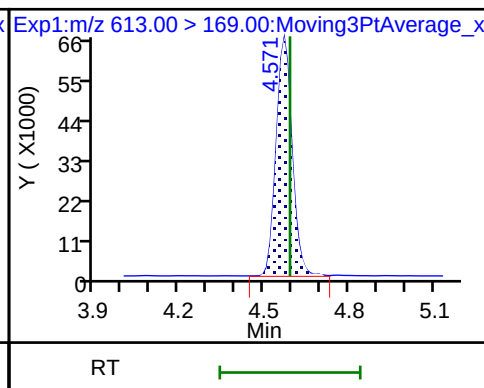
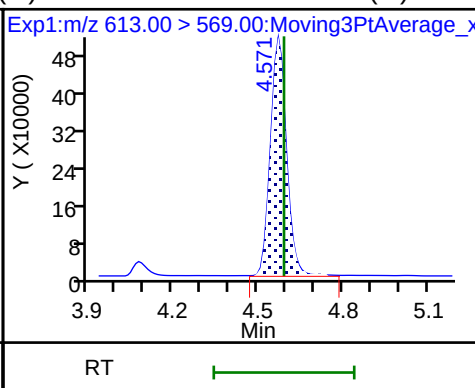
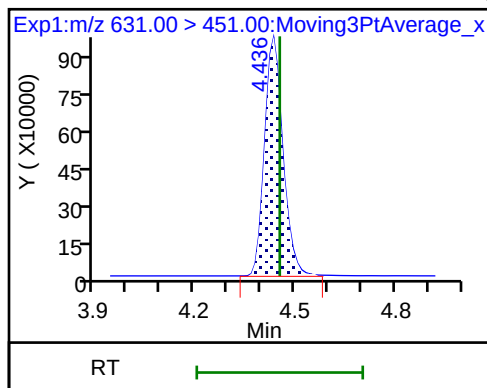
32 d5-NEtFOSAA



66 11-Chloroeicosafluoro-3-oxaundec (M)

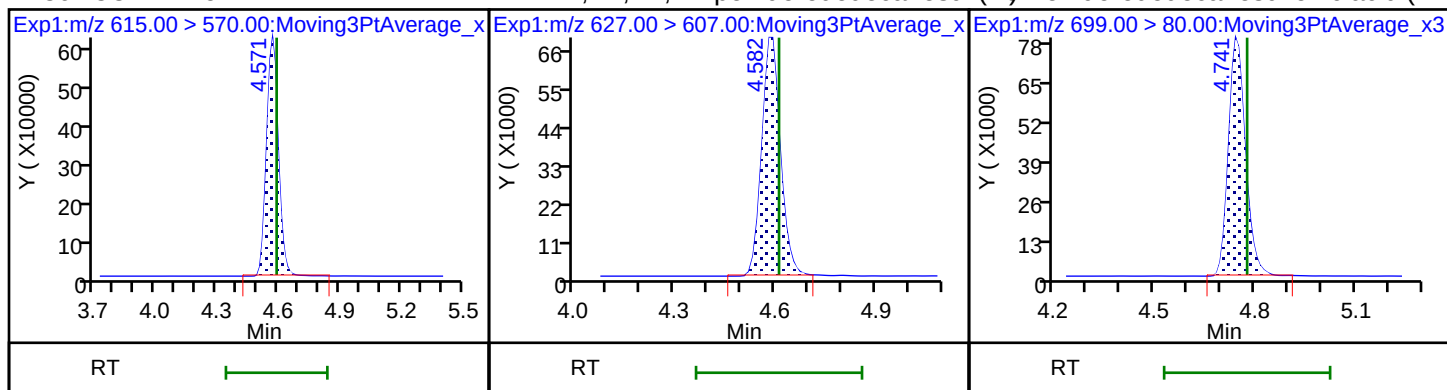
37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid



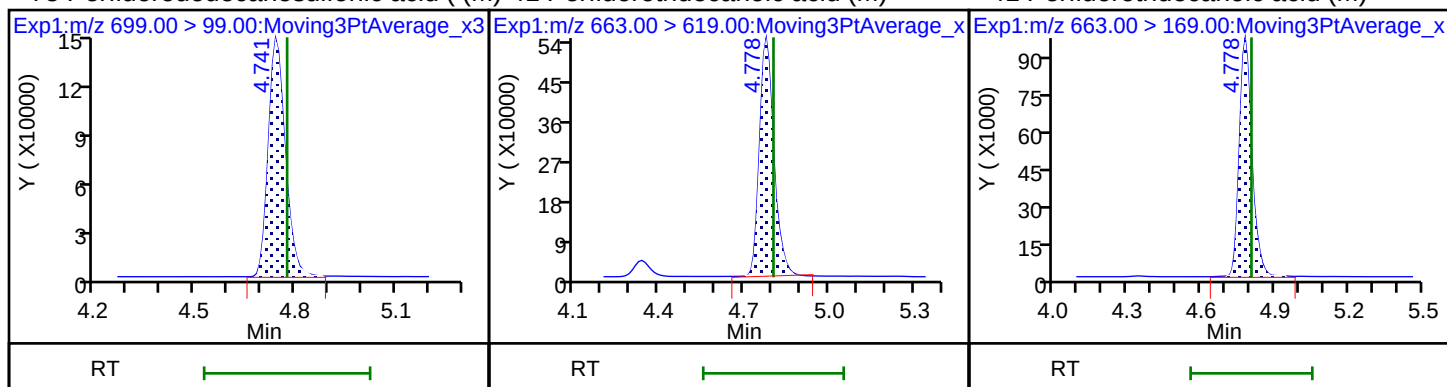
D 36 13C2 PFD0A

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



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

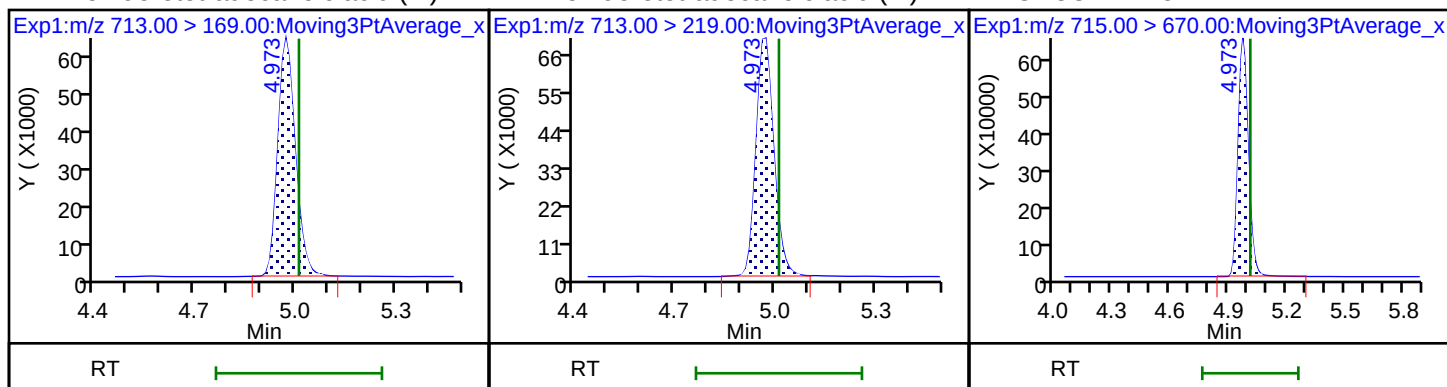
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

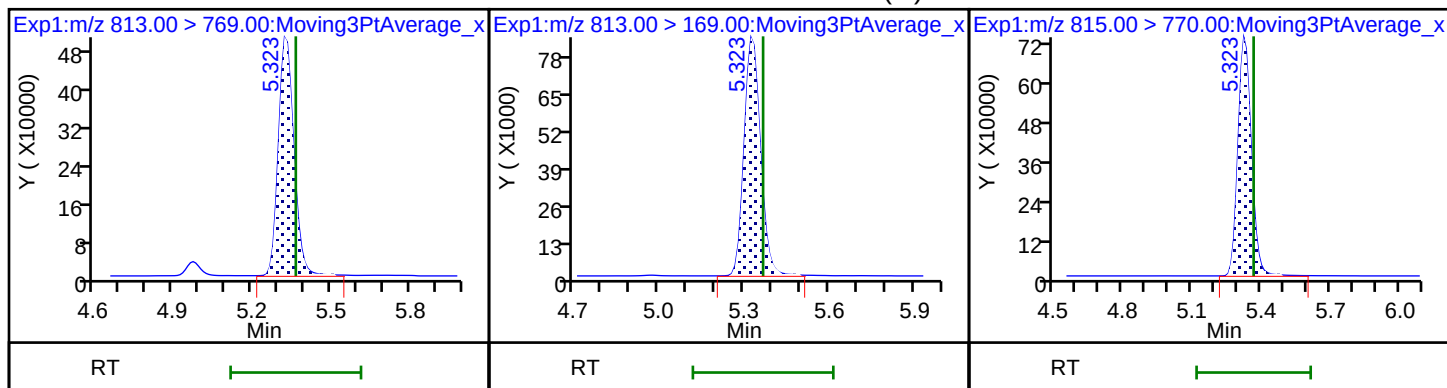
D 43 13C2 PFTeDA



45 Perfluorohexadecanoic acid

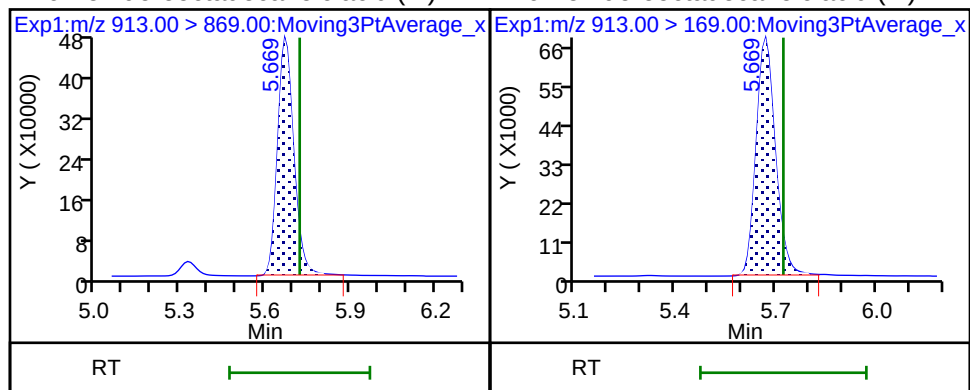
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

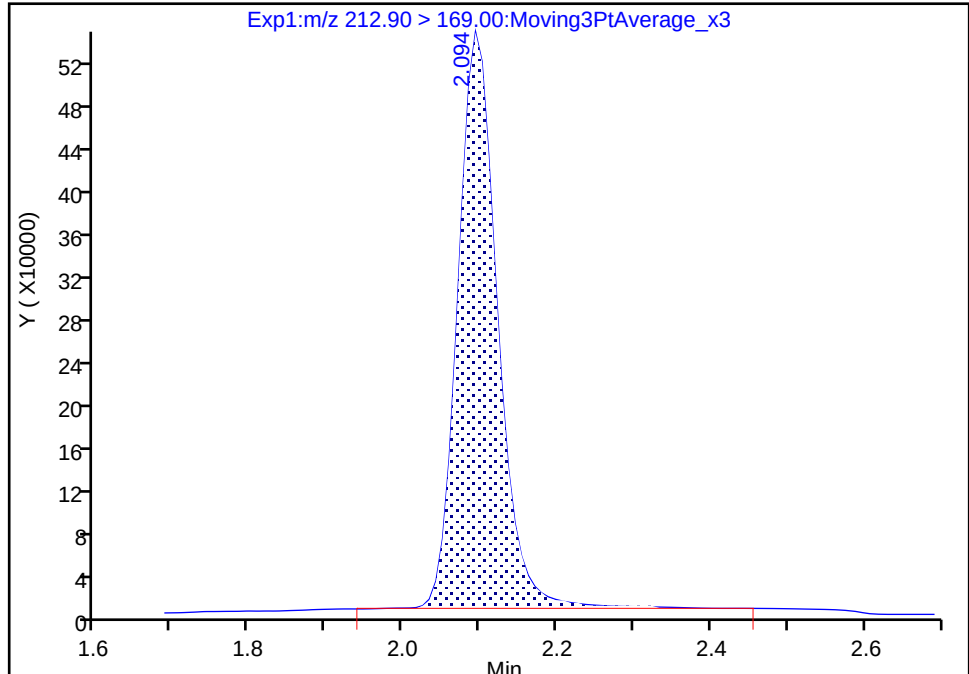
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Injection Date: 19-Dec-2022 18:11:51 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

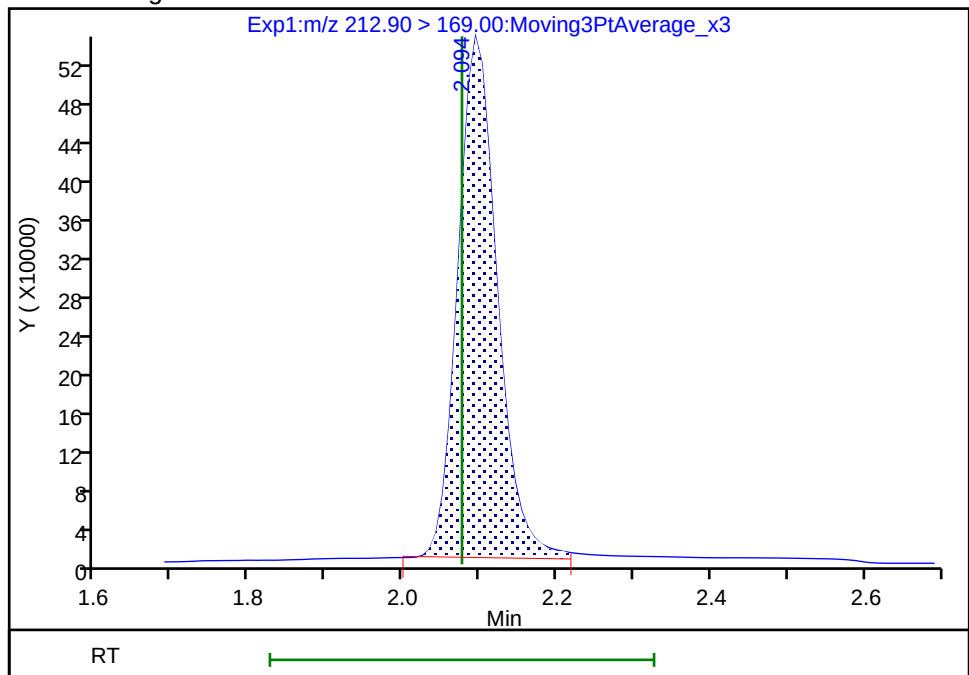
RT: 2.09
Area: 1965086
Amount: 0.905214
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 1934207
Amount: 0.890990
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:16:25

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

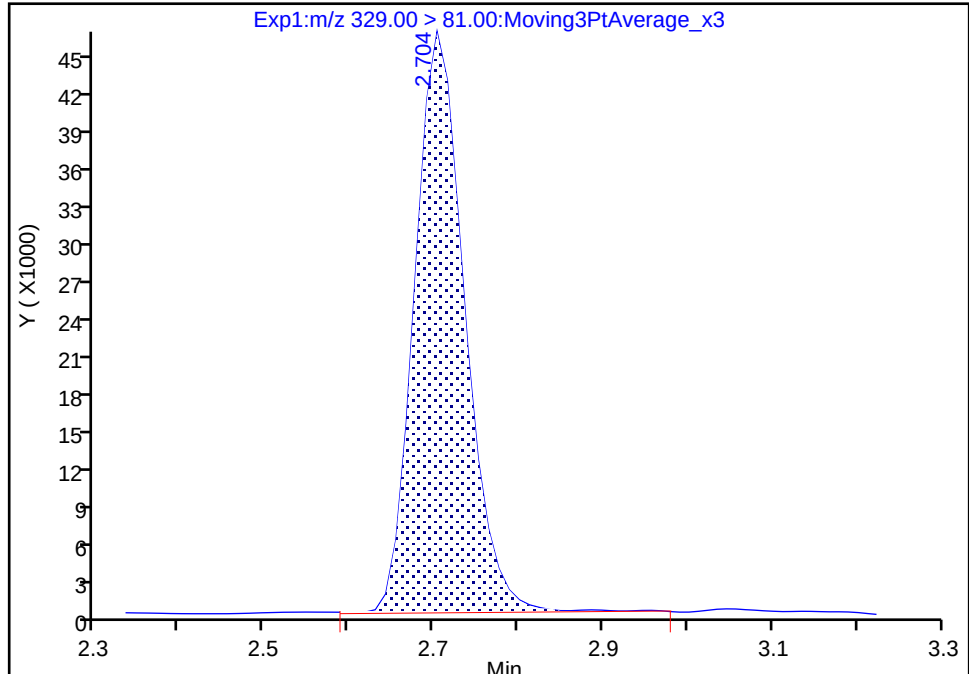
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B01.d
Injection Date: 19-Dec-2022 18:11:51 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

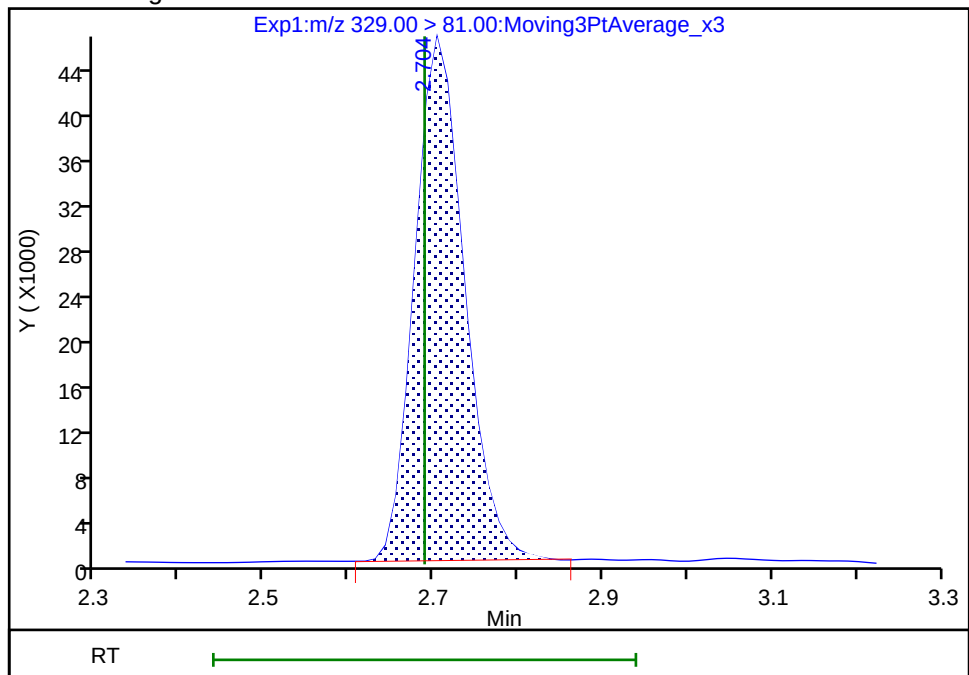
RT: 2.70
Area: 193170
Amount: 1.145327
Amount Units: ng/ml

Processing Integration Results



RT: 2.70
Area: 190443
Amount: 1.129158
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:14:56

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

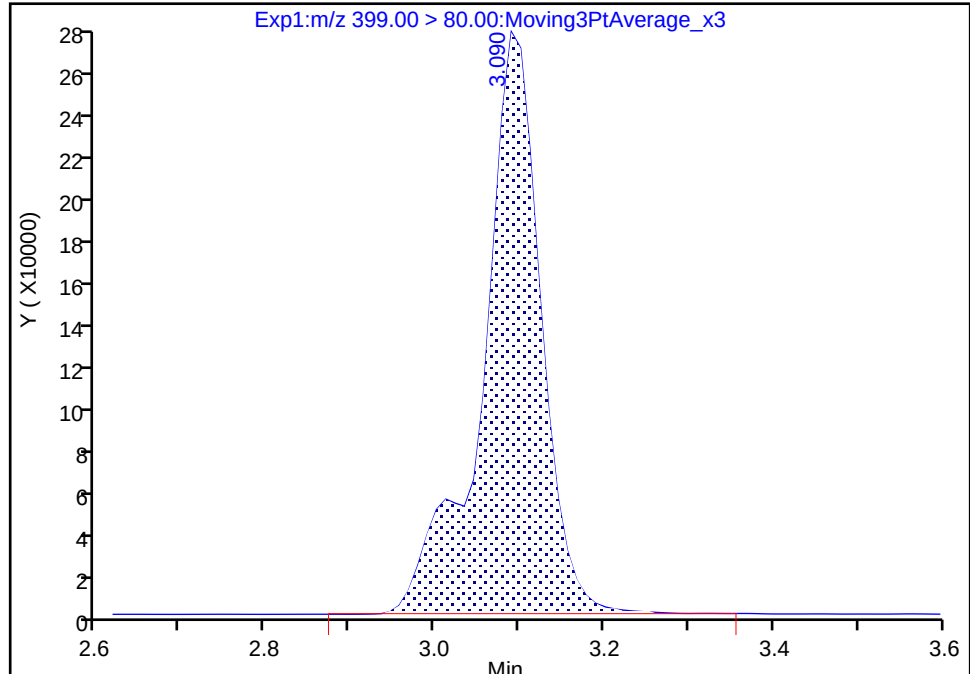
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Injection Date: 19-Dec-2022 18:11:51 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

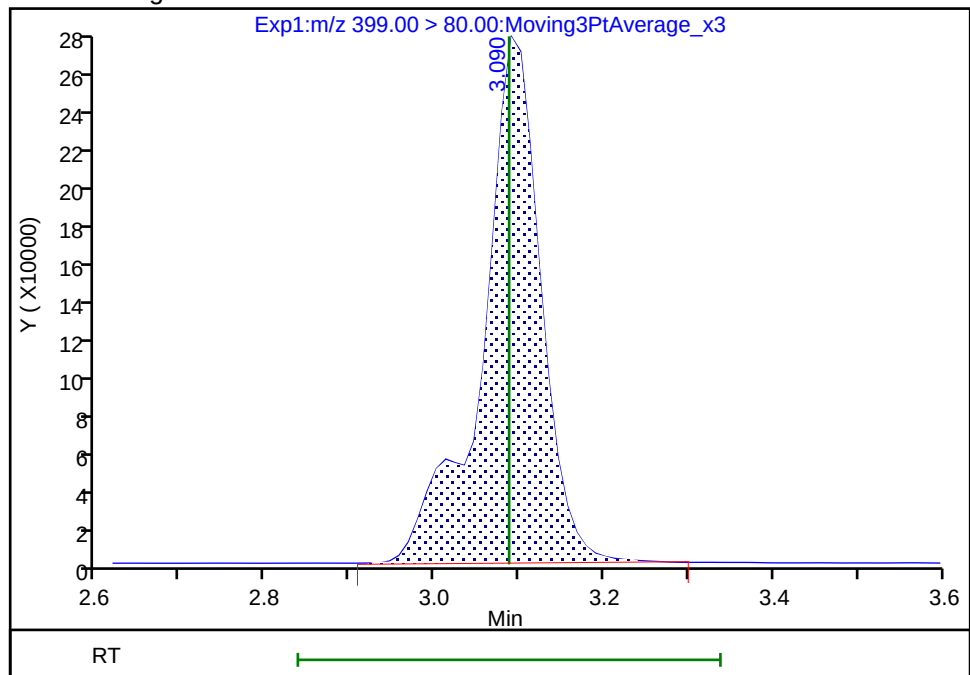
RT: 3.09
Area: 1336917
Amount: 0.824190
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 1335821
Amount: 0.823514
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:16:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

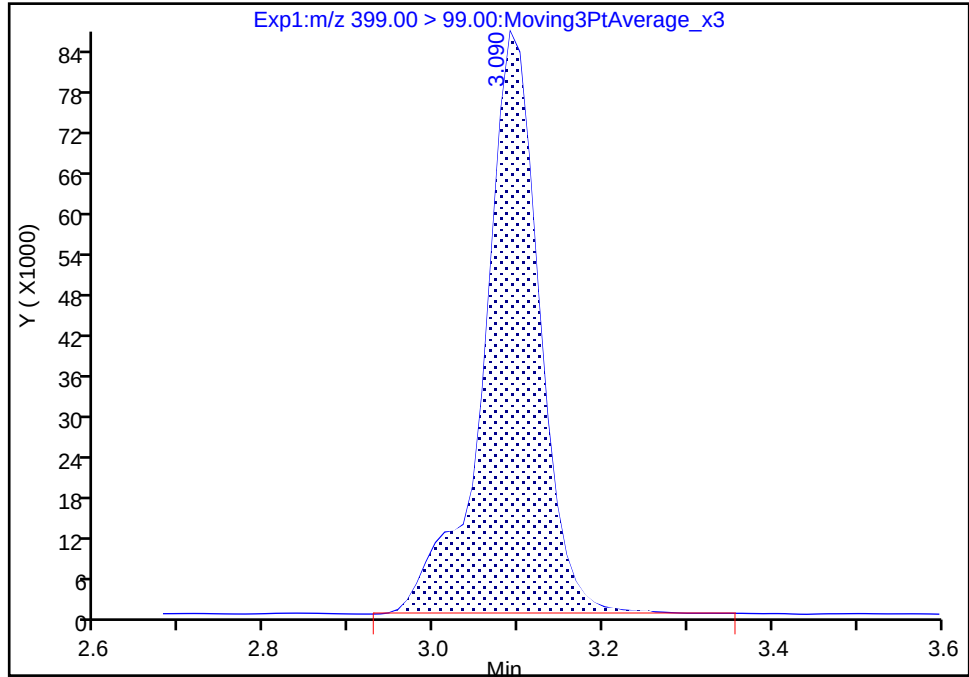
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B01.d
Injection Date: 19-Dec-2022 18:11:51 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

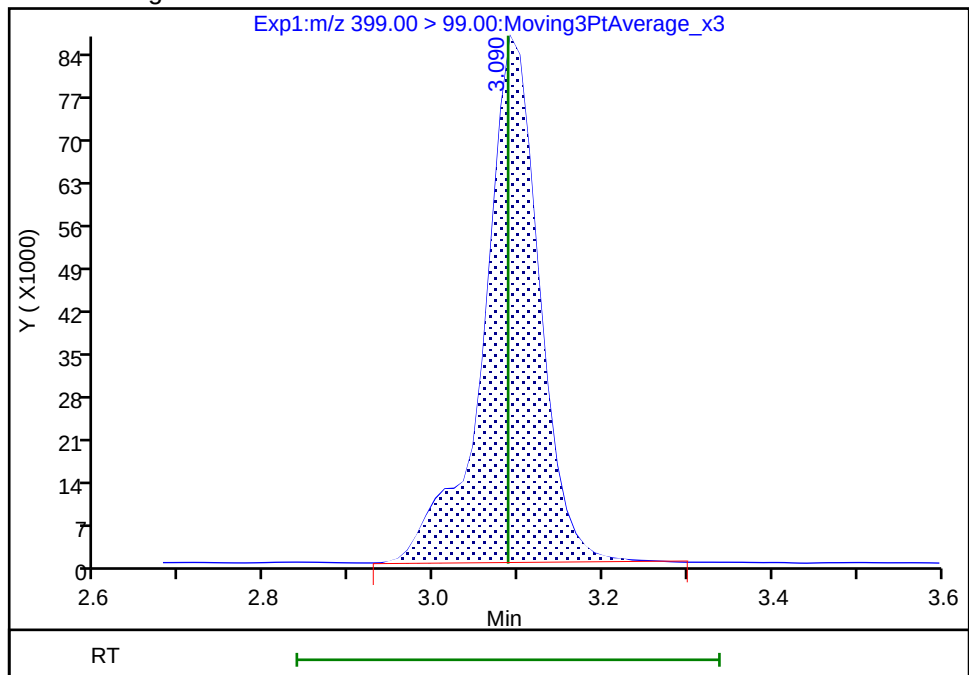
RT: 3.09
Area: 394630
Amount: 0.824190
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 394260
Amount: 0.823514
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:16:56

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

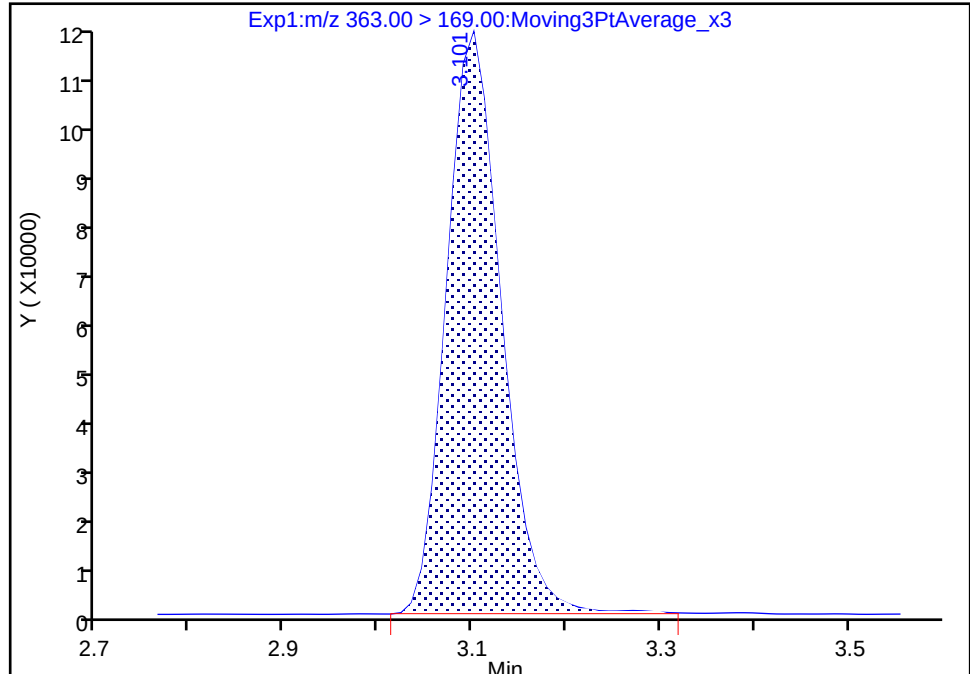
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Injection Date: 19-Dec-2022 18:11:51 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

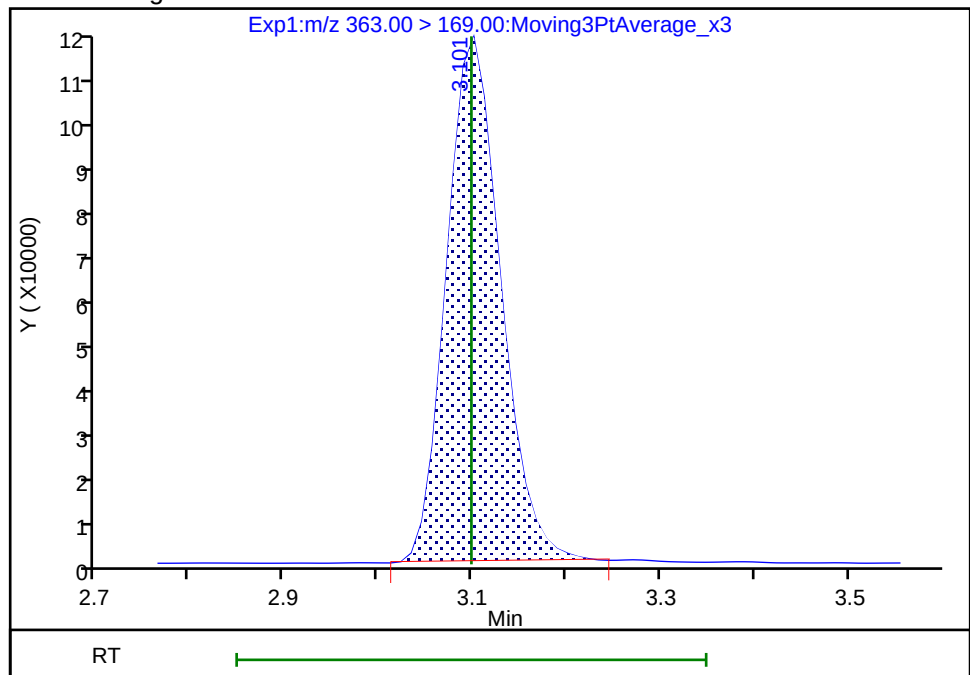
RT: 3.10
Area: 477477
Amount: 0.888972
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 473190
Amount: 0.888972
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:17:05

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

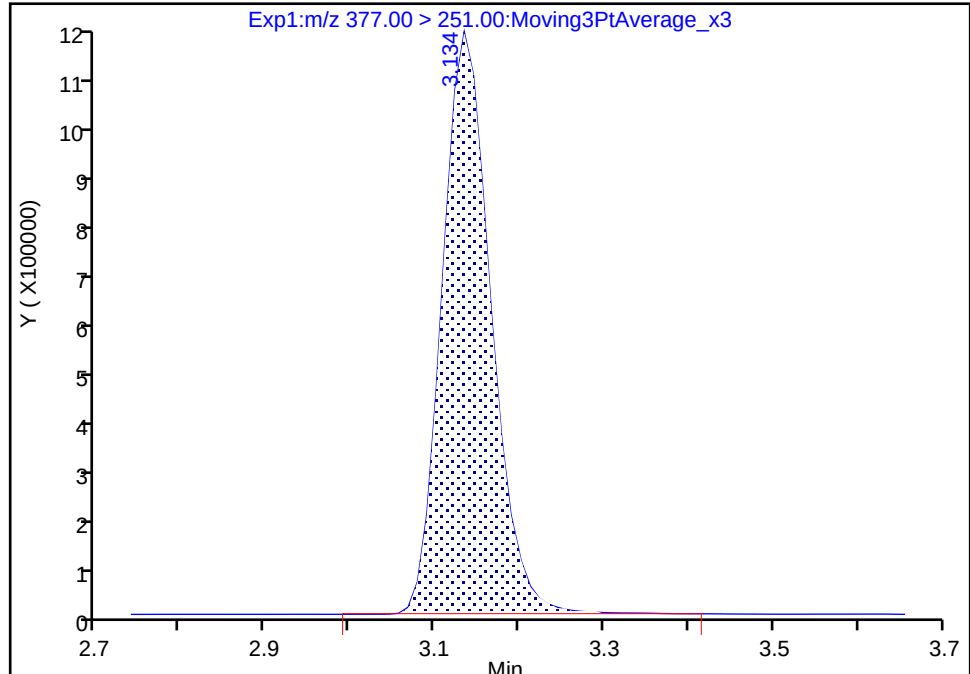
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B01.d
Injection Date: 19-Dec-2022 18:11:51 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 1

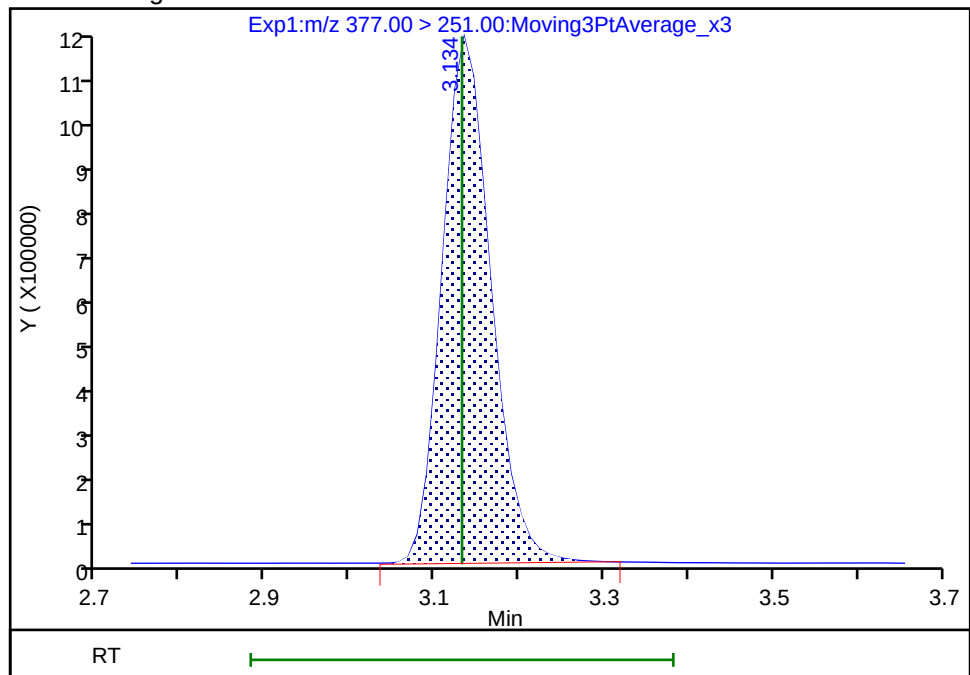
RT: 3.13
Area: 4542738
Amount: 0.843537
Amount Units: ng/ml

Processing Integration Results



RT: 3.13
Area: 4522078
Amount: 0.839701
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:17:15

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

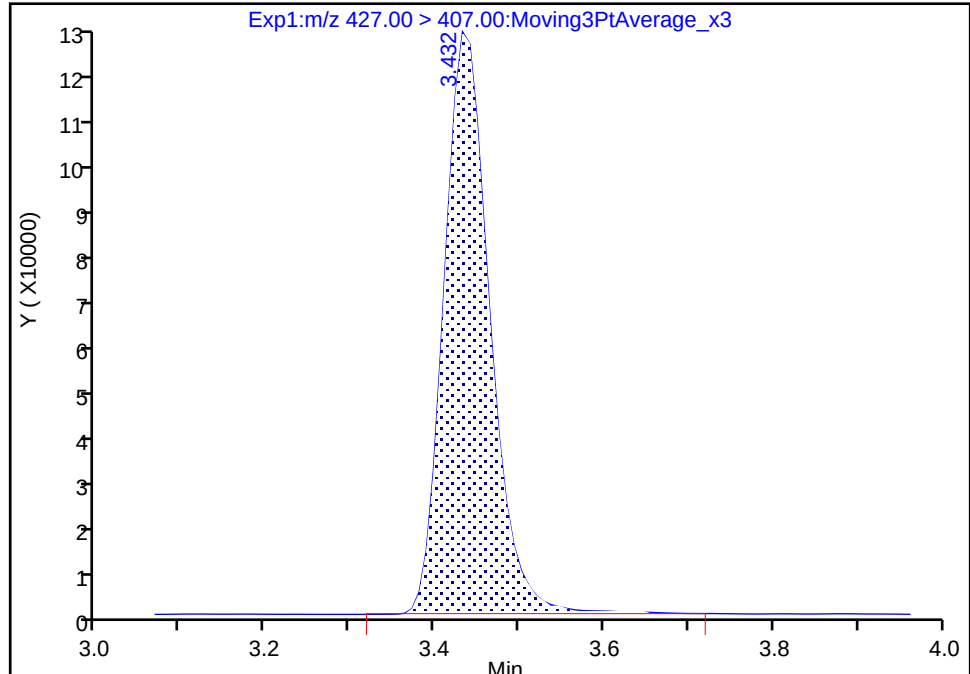
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B01.d
Injection Date: 19-Dec-2022 18:11:51 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

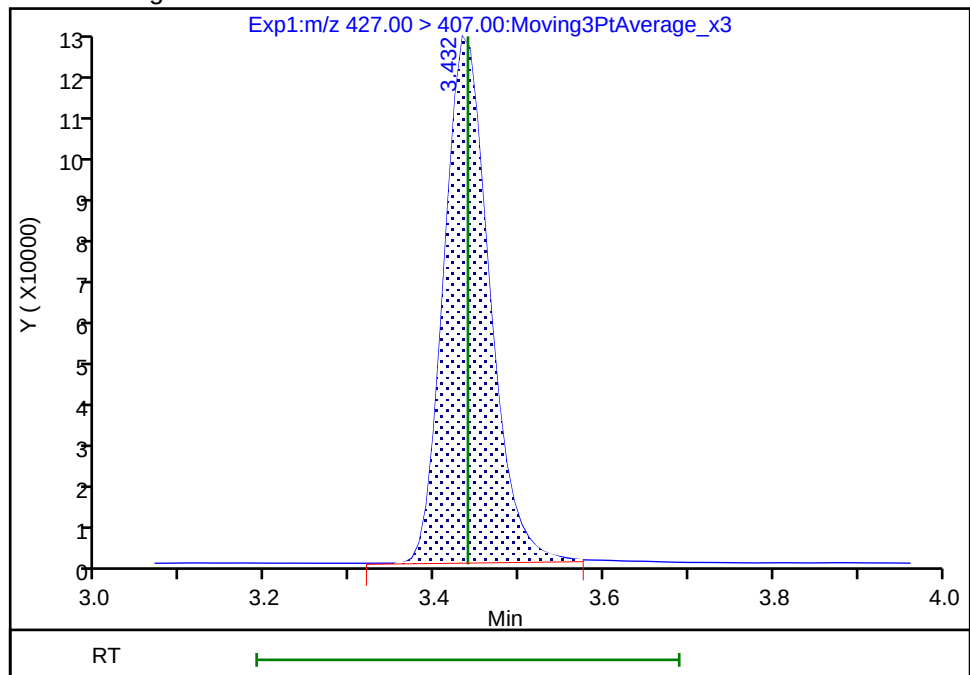
RT: 3.43
Area: 470895
Amount: 0.971231
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 468272
Amount: 0.965755
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:17:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

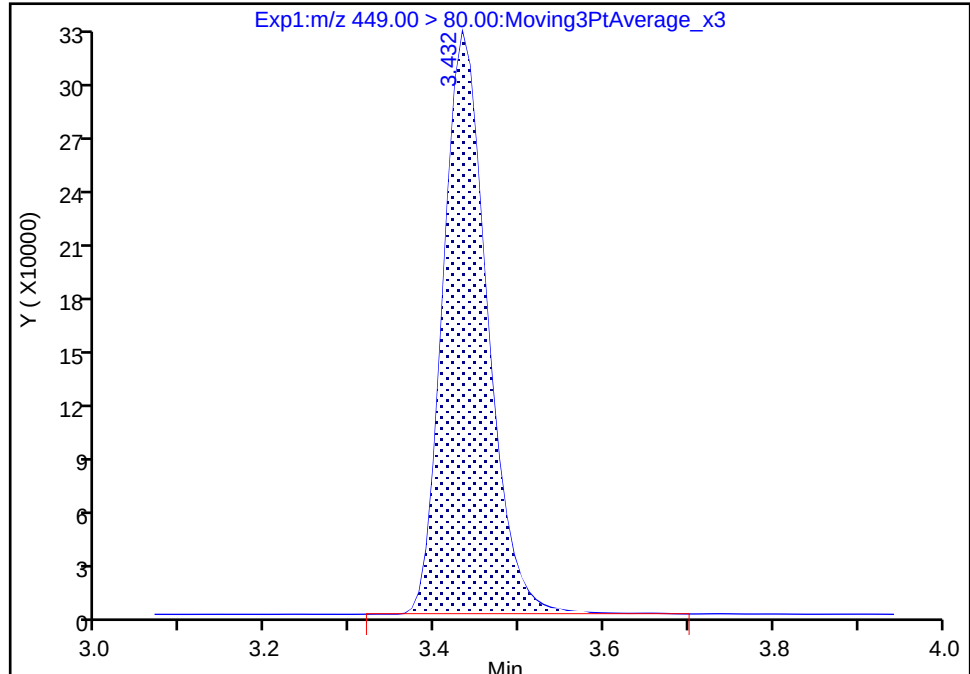
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B01.d
Injection Date: 19-Dec-2022 18:11:51 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

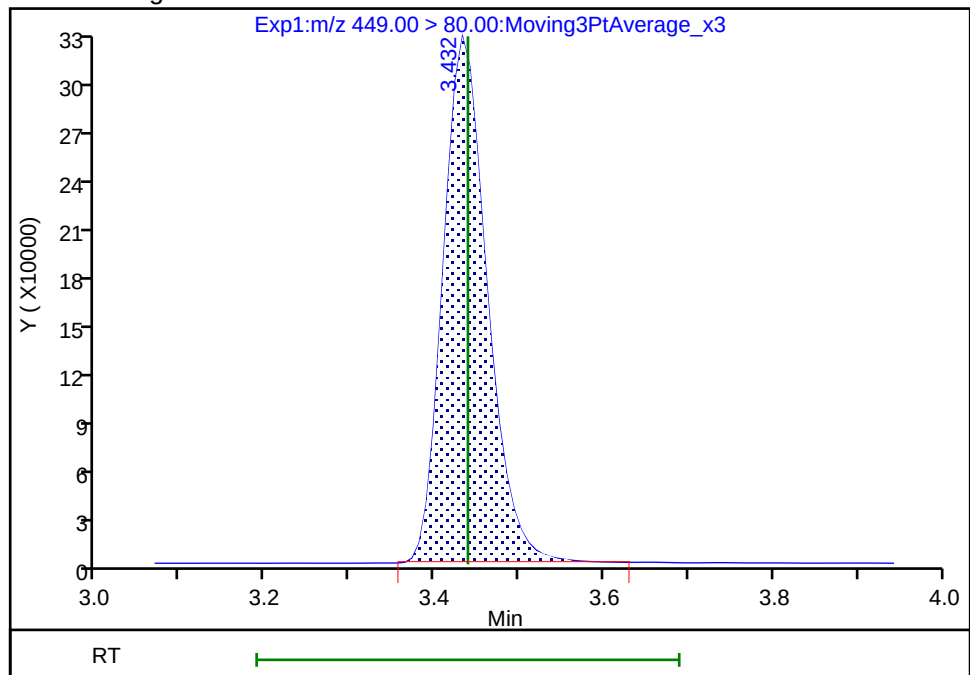
RT: 3.43
Area: 1194284
Amount: 0.874392
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 1187970
Amount: 0.869769
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:25:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

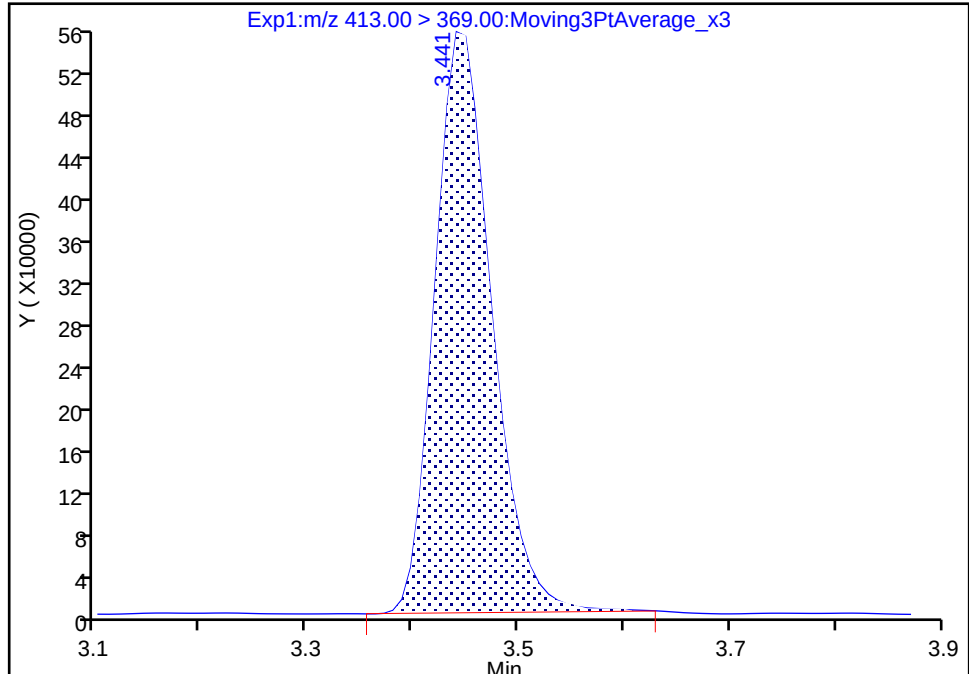
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B01.d
Injection Date: 19-Dec-2022 18:11:51 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

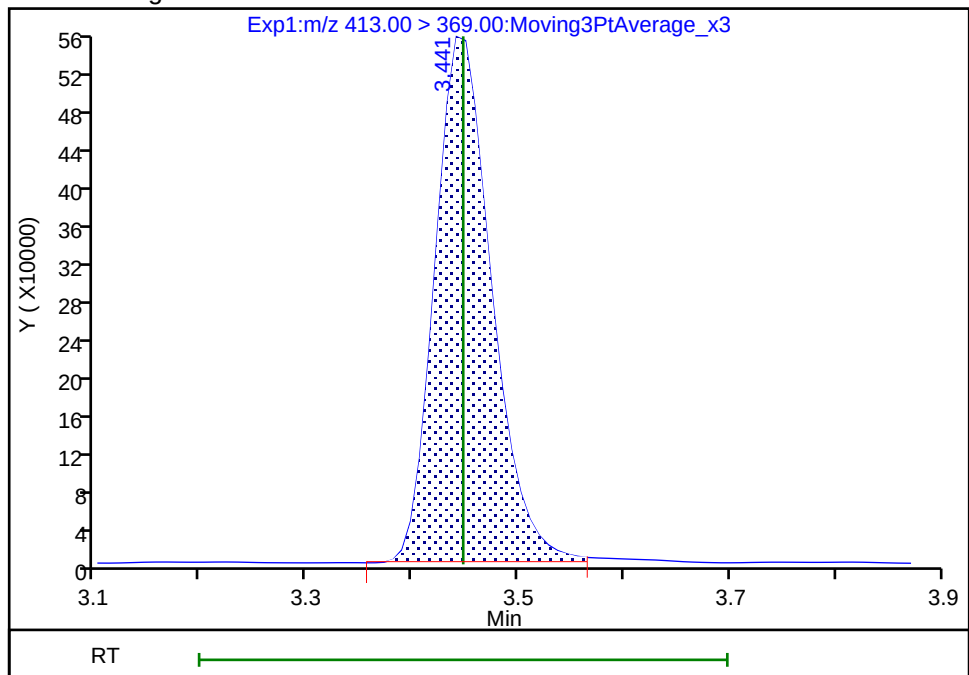
RT: 3.44
Area: 2042968
Amount: 0.915526
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 2049385
Amount: 0.918401
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:25:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

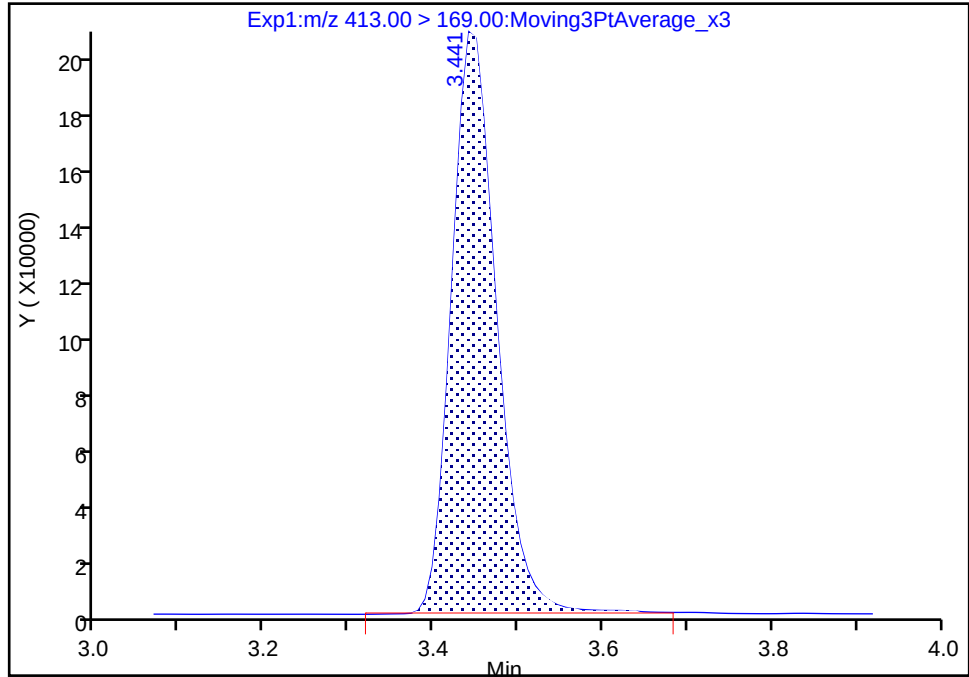
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B01.d
Injection Date: 19-Dec-2022 18:11:51 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

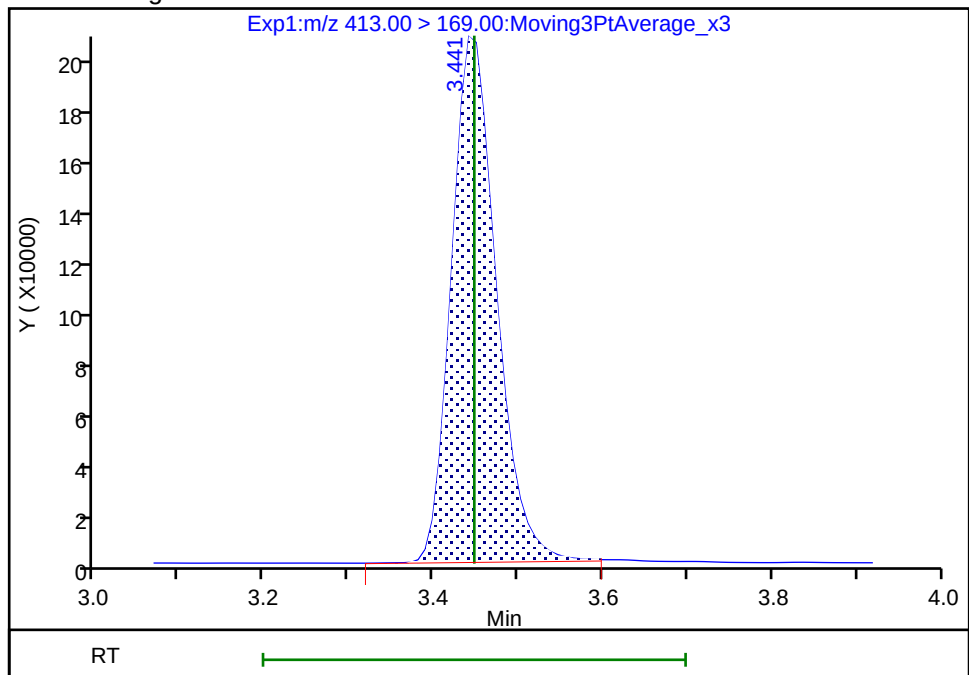
RT: 3.44
Area: 748631
Amount: 0.915526
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 746417
Amount: 0.918401
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:25:45

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

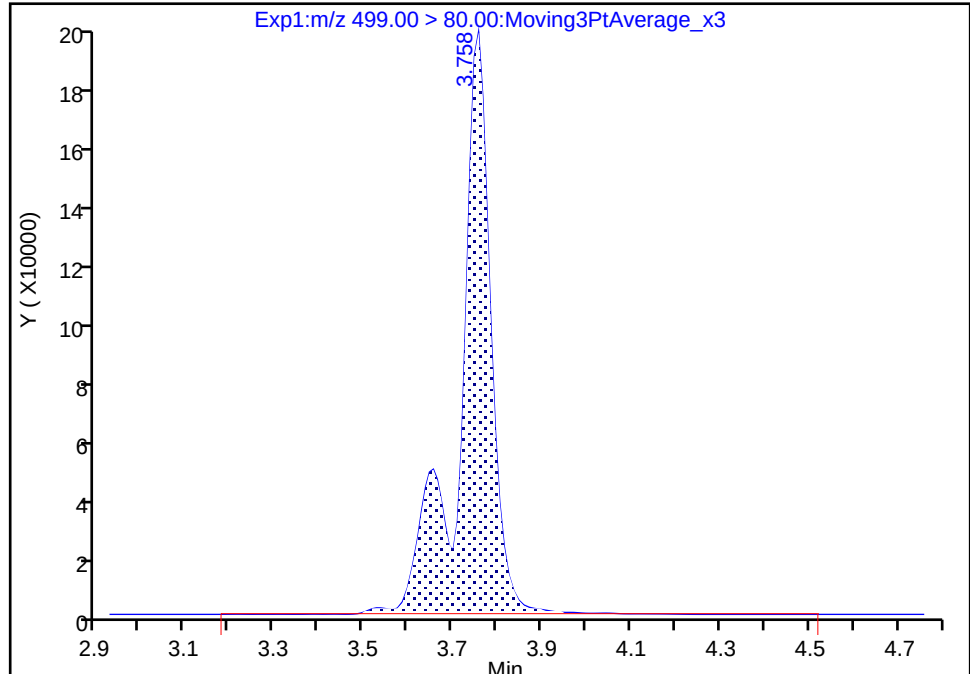
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B01.d
Injection Date: 19-Dec-2022 18:11:51 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

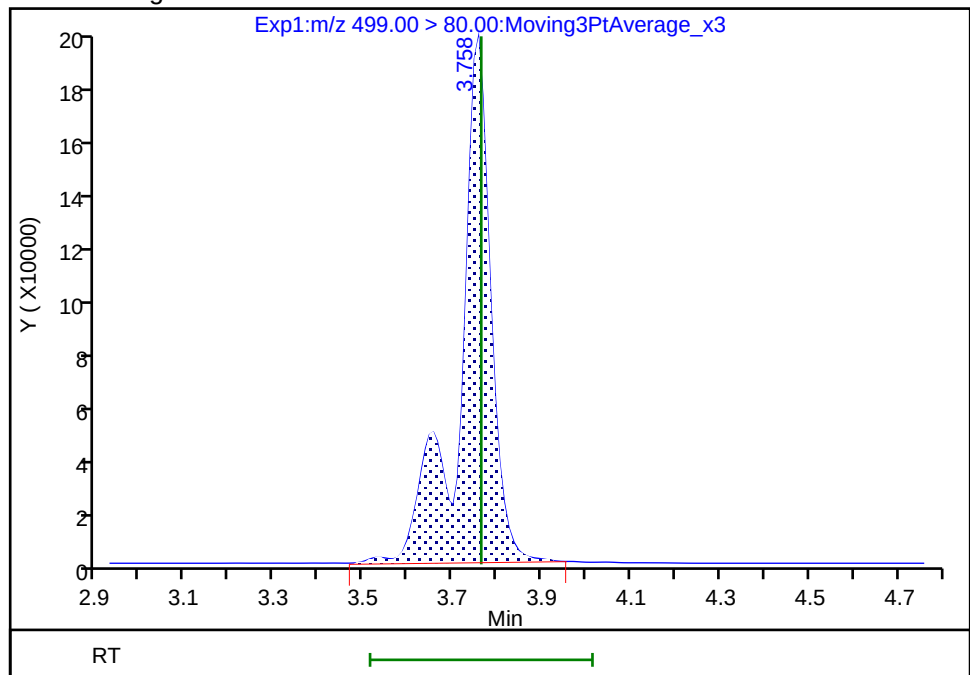
RT: 3.76
Area: 979811
Amount: 0.823884
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 964461
Amount: 0.810977
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:25:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

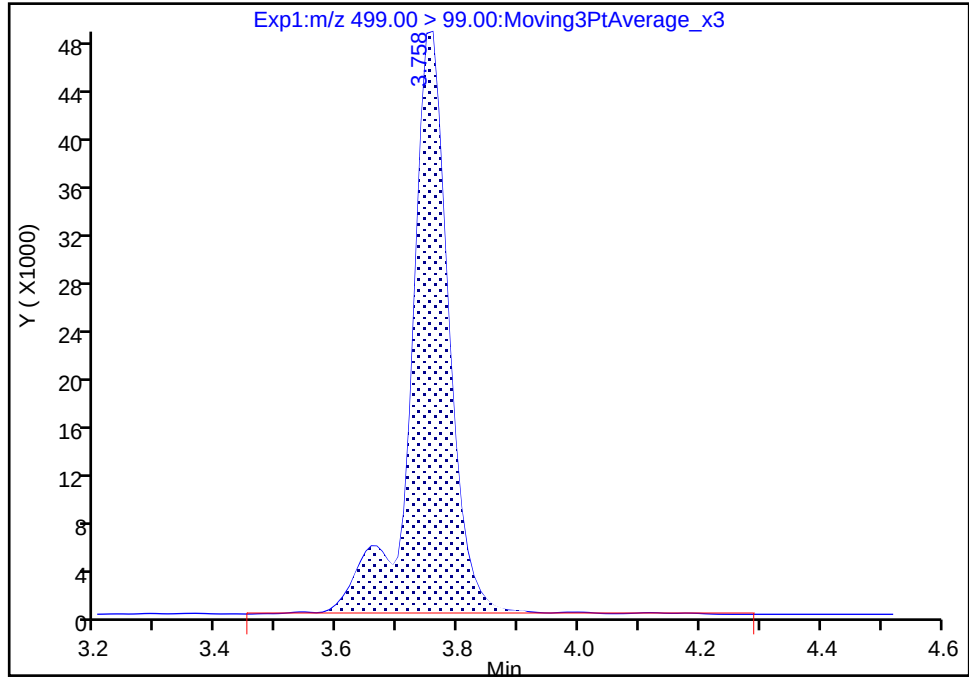
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B01.d
Injection Date: 19-Dec-2022 18:11:51 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

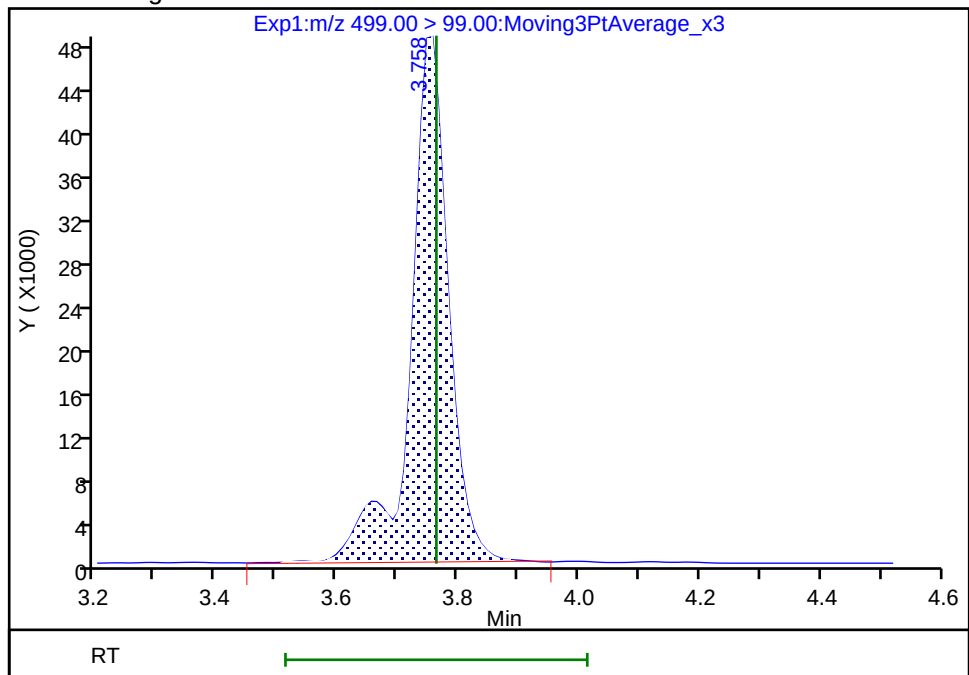
RT: 3.76
Area: 216022
Amount: 0.823884
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 212438
Amount: 0.810977
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:26:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

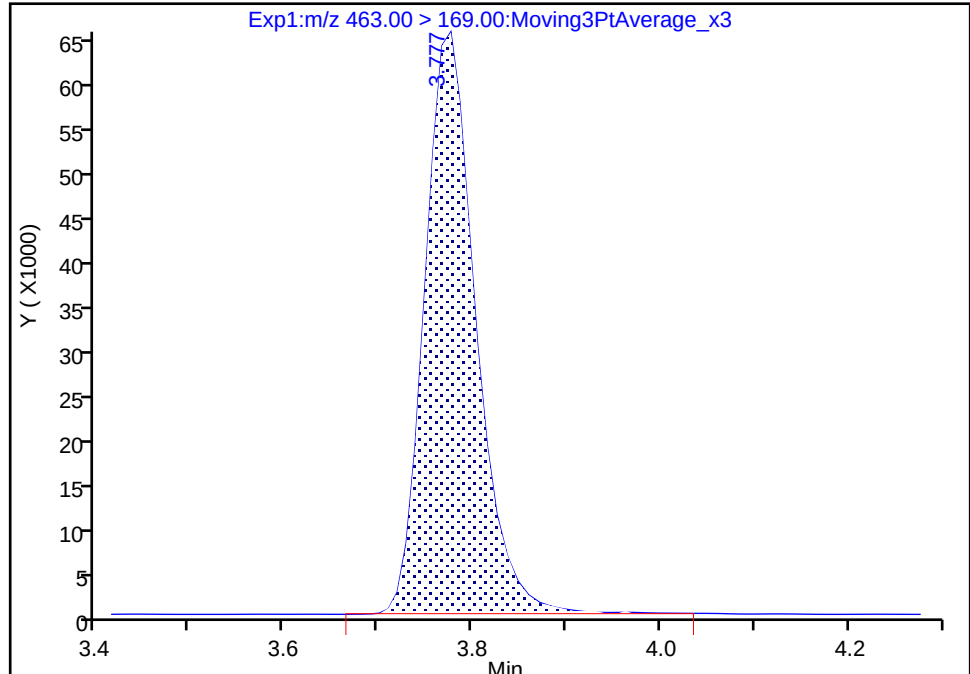
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B01.d
Injection Date: 19-Dec-2022 18:11:51 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

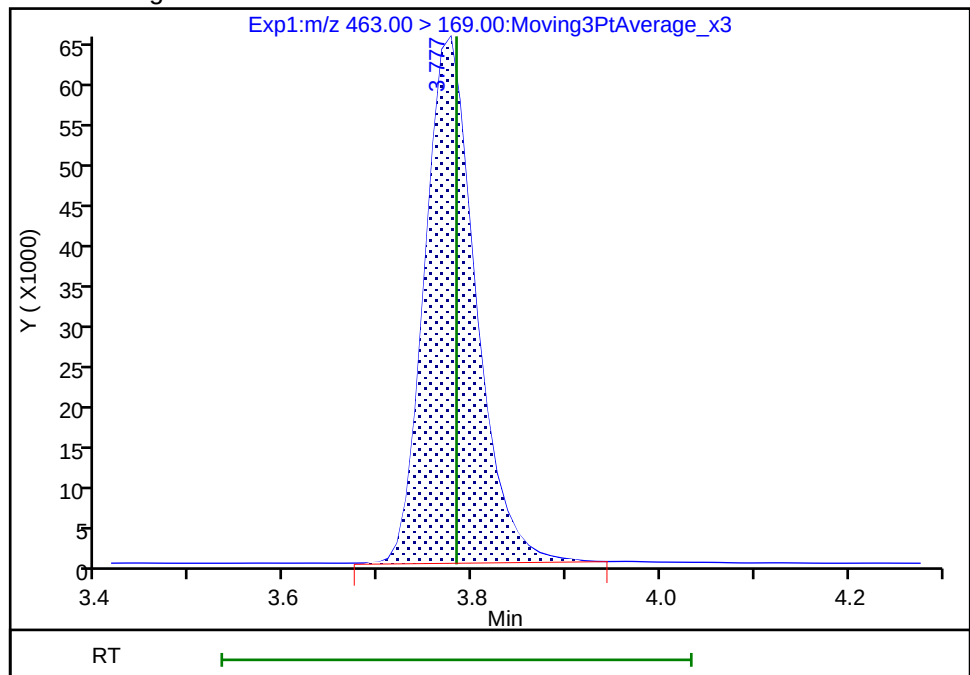
RT: 3.78
Area: 245746
Amount: 0.919683
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 244291
Amount: 0.919683
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:26:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

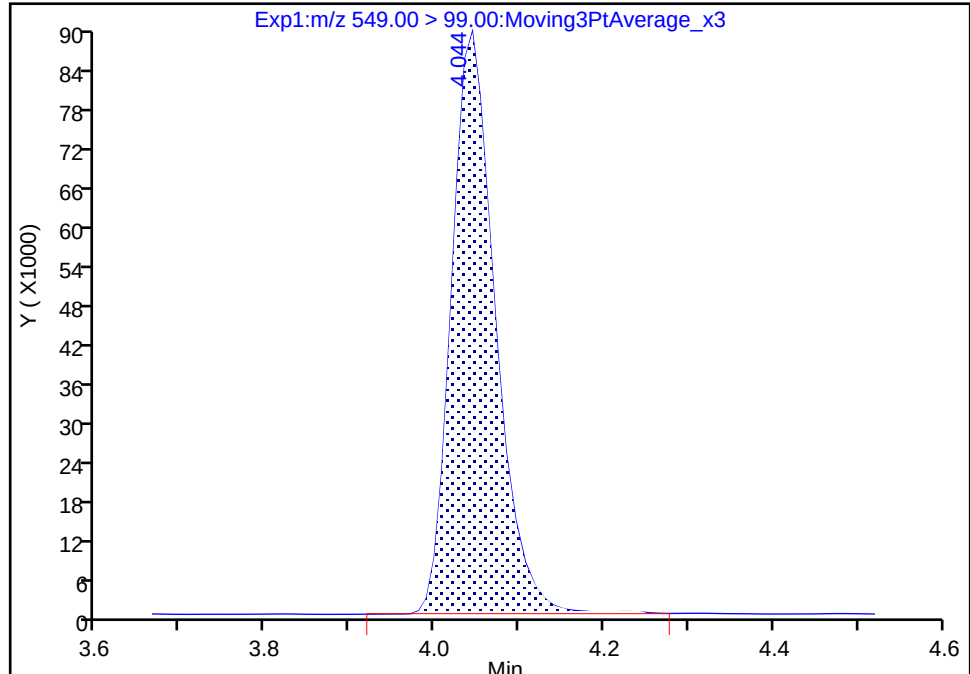
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B01.d
Injection Date: 19-Dec-2022 18:11:51 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 2

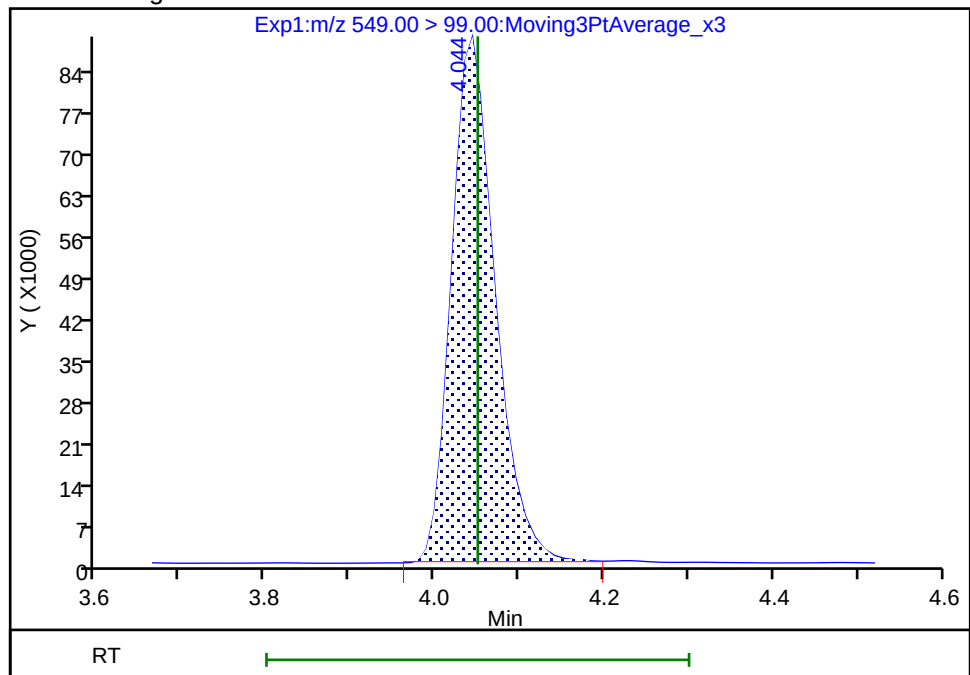
RT: 4.04
Area: 320287
Amount: 0.887568
Amount Units: ng/ml

Processing Integration Results



RT: 4.04
Area: 317558
Amount: 0.882462
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:27:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

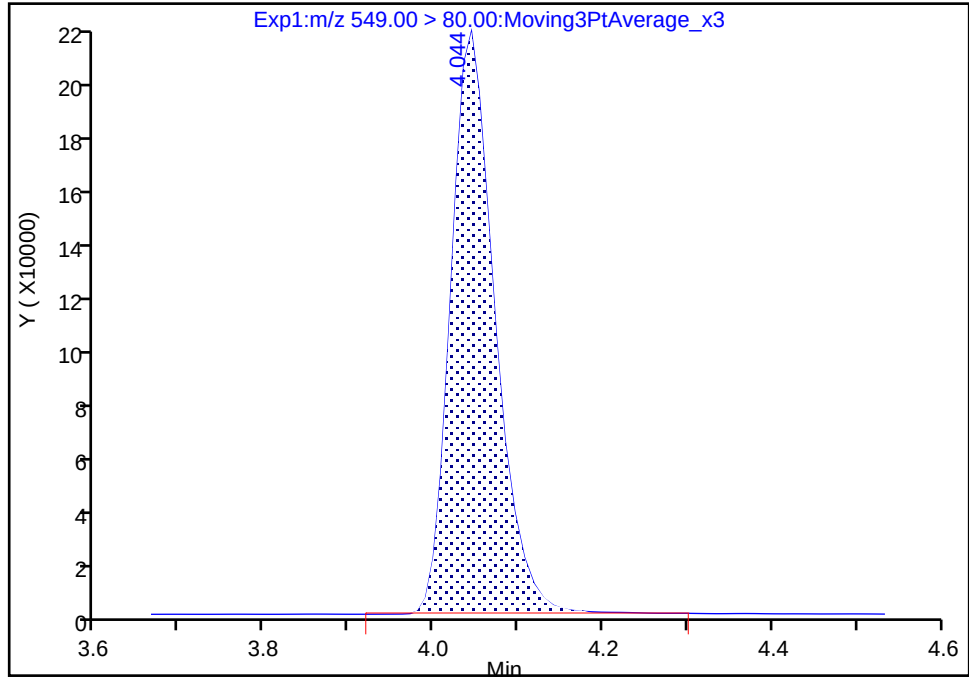
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B01.d
Injection Date: 19-Dec-2022 18:11:51 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 1

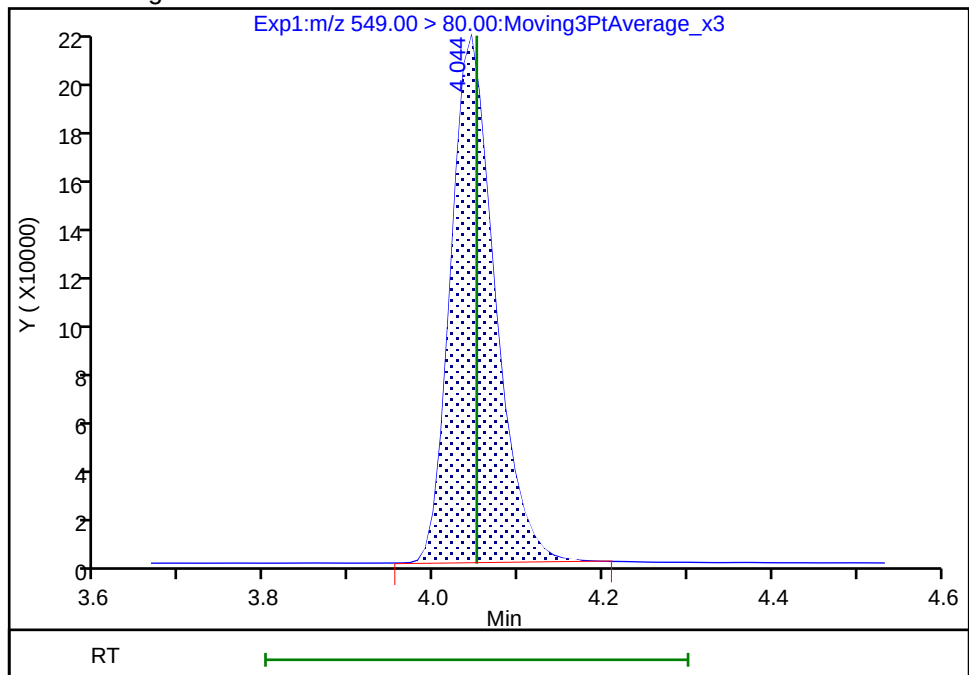
RT: 4.04
Area: 796697
Amount: 0.887568
Amount Units: ng/ml

Processing Integration Results



RT: 4.04
Area: 792114
Amount: 0.882462
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:27:05

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

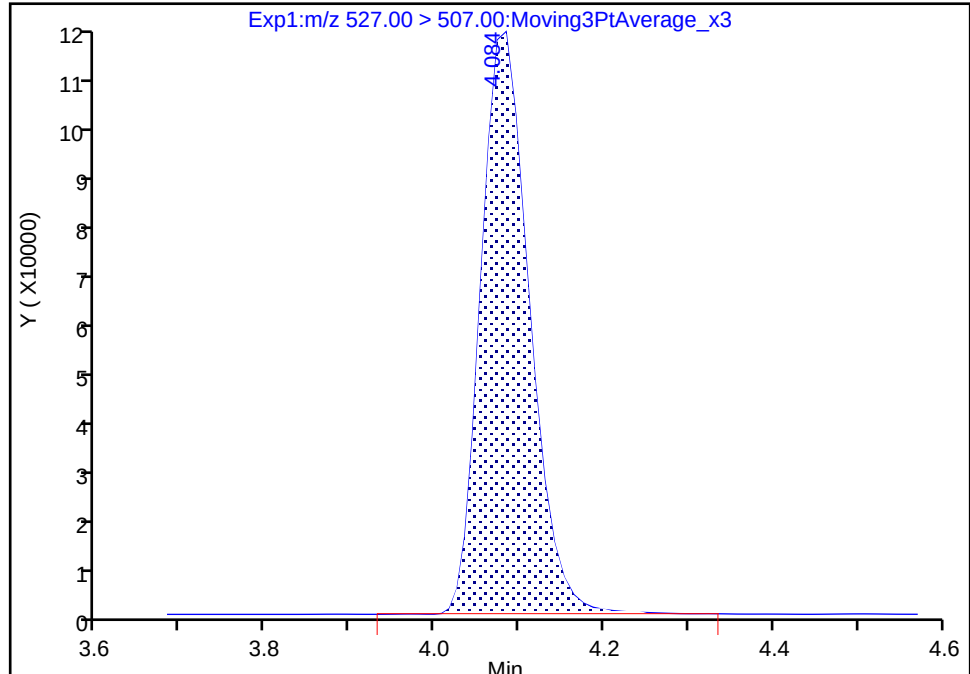
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B01.d
Injection Date: 19-Dec-2022 18:11:51 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

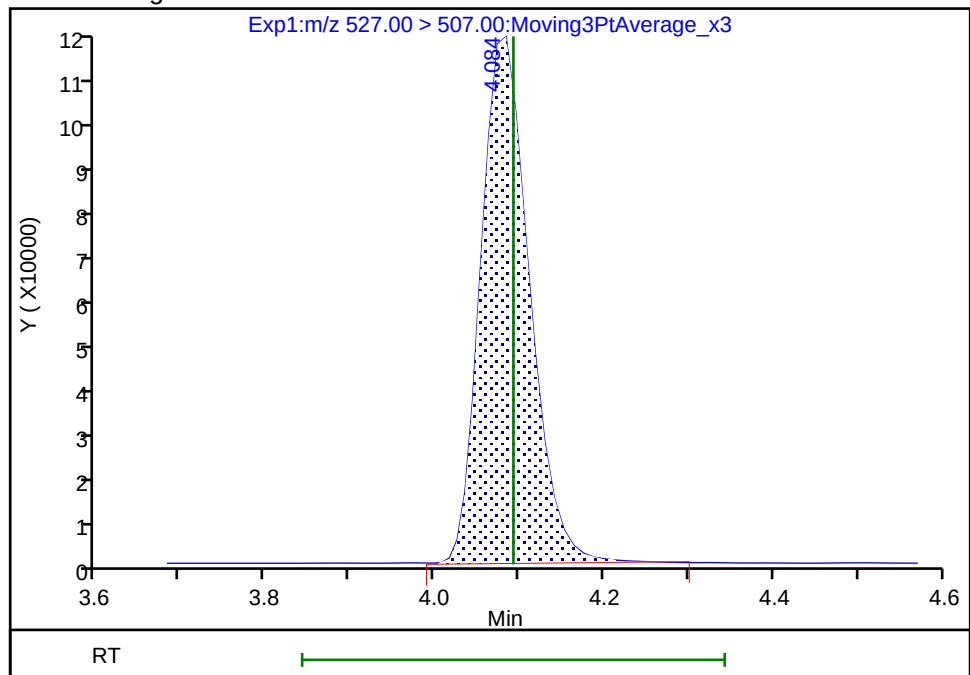
RT: 4.08
Area: 446147
Amount: 0.952475
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 445662
Amount: 0.951439
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:27:18

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

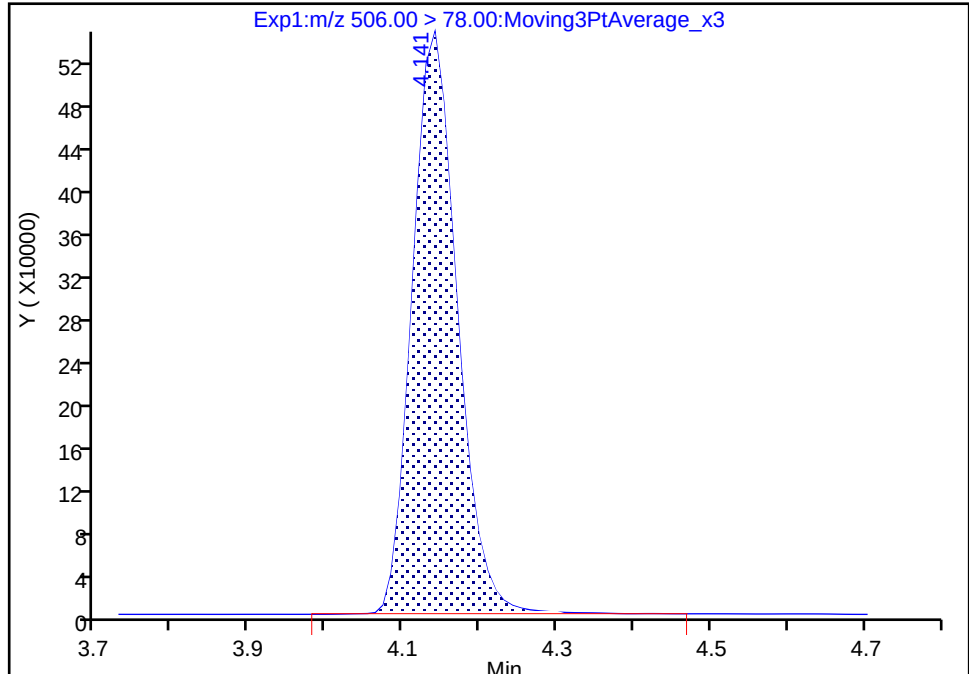
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B01.d
Injection Date: 19-Dec-2022 18:11:51 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

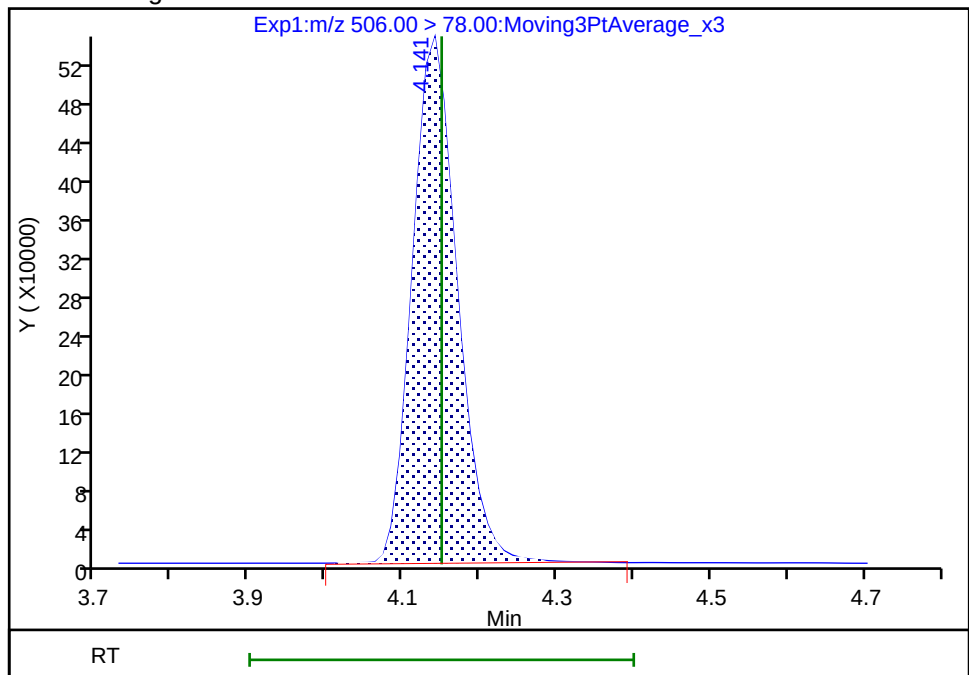
RT: 4.14
Area: 2236973
Amount: 1.294497
Amount Units: ng/ml

Processing Integration Results



RT: 4.14
Area: 2234229
Amount: 1.292909
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:15:07

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

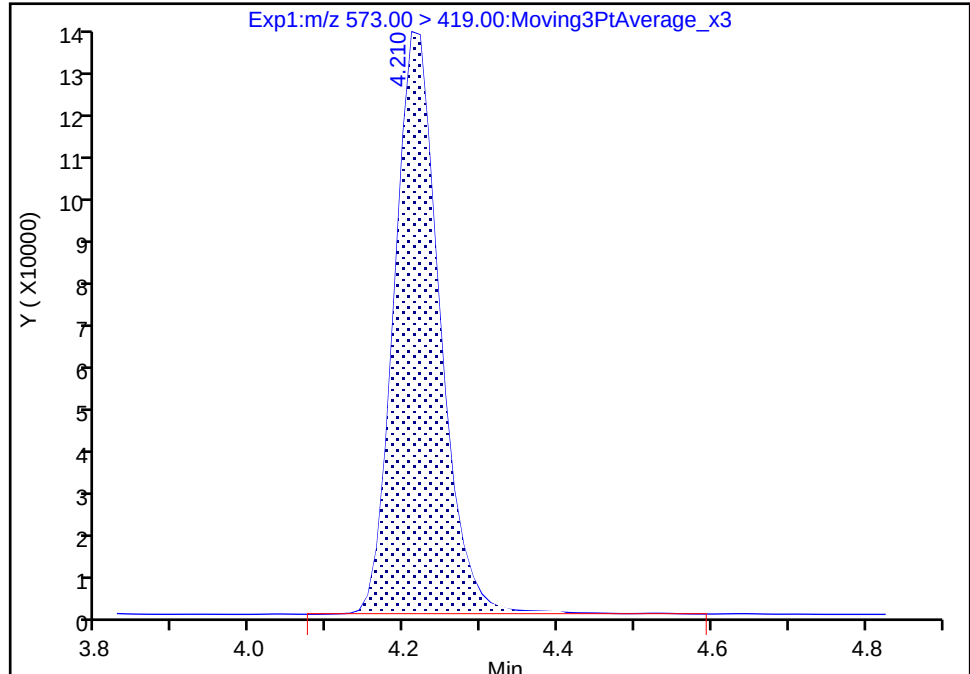
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B01.d
Injection Date: 19-Dec-2022 18:11:51 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

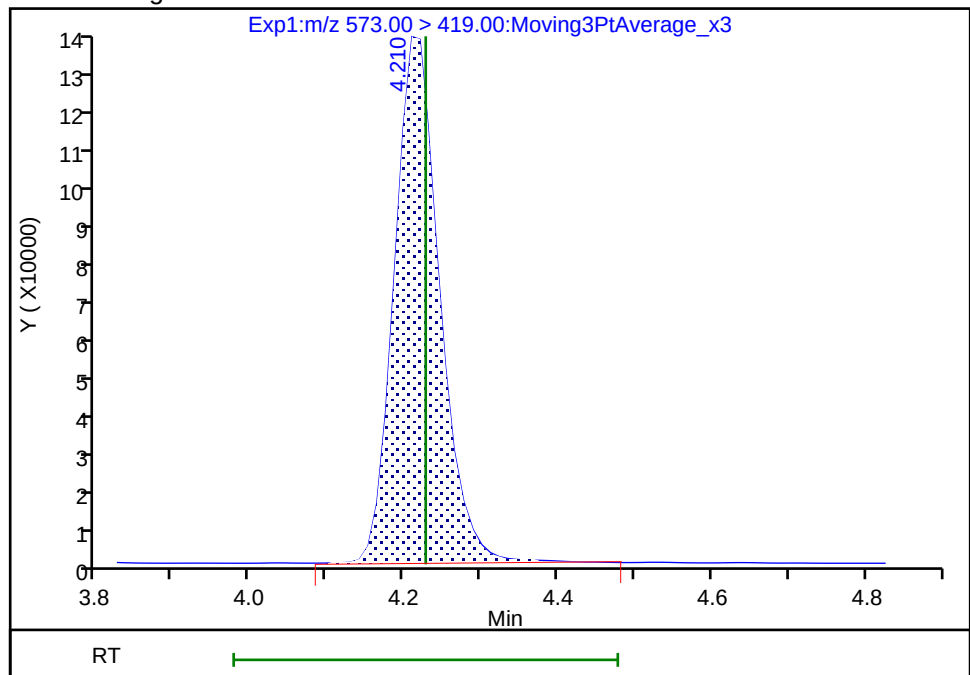
RT: 4.21
Area: 550818
Amount: 1.283446
Amount Units: ng/ml

Processing Integration Results



RT: 4.21
Area: 548825
Amount: 1.278802
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:15:13

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

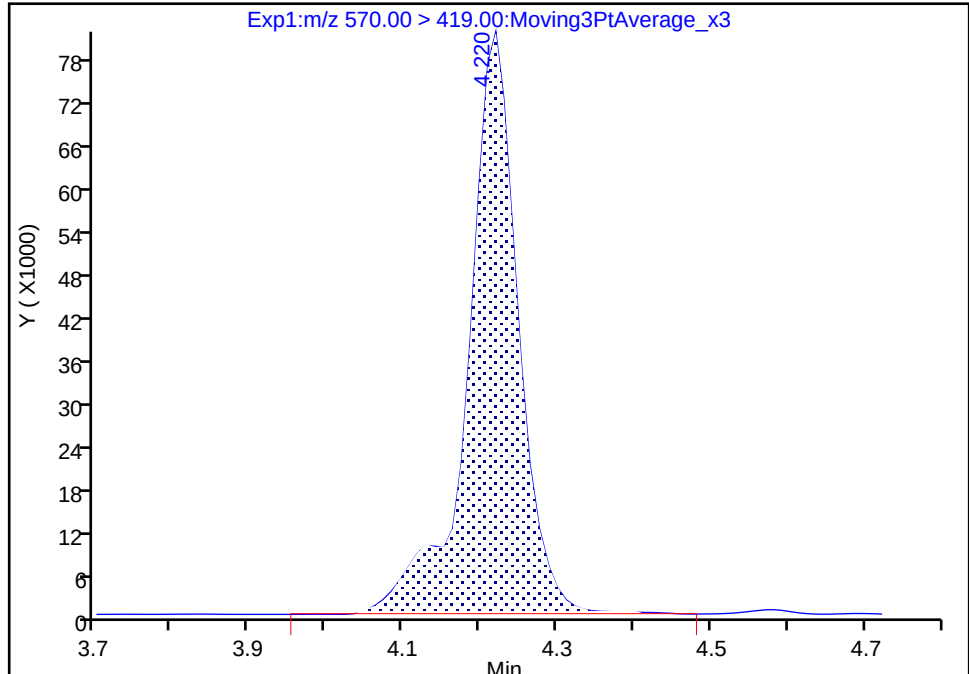
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B01.d
Injection Date: 19-Dec-2022 18:11:51 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

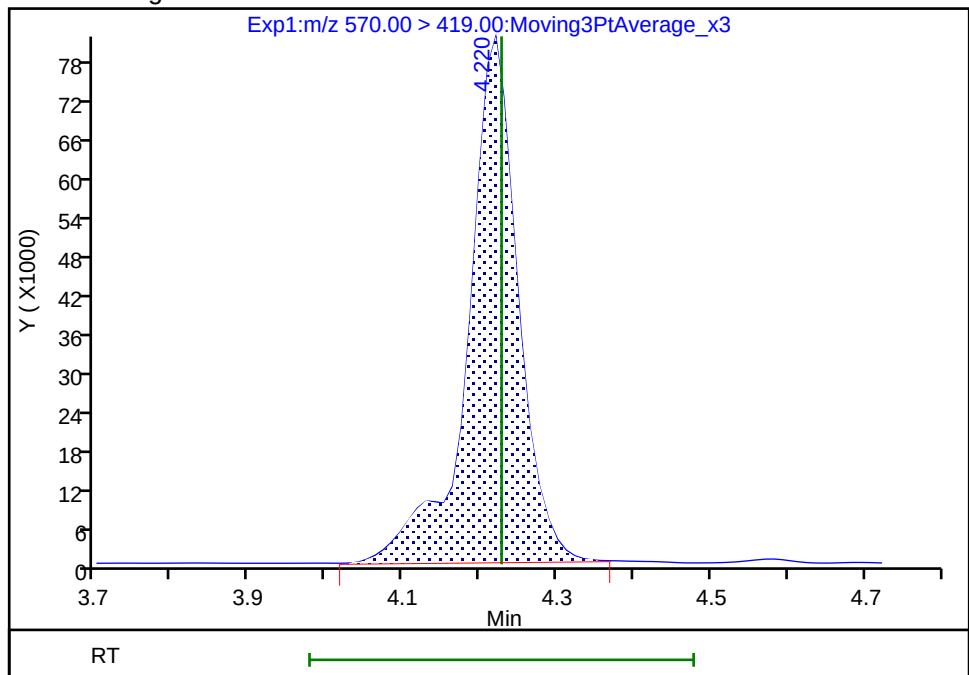
RT: 4.22
Area: 376275
Amount: 0.984603
Amount Units: ng/ml

Processing Integration Results



RT: 4.22
Area: 370512
Amount: 0.969345
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 22-Dec-2022 08:16:30
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

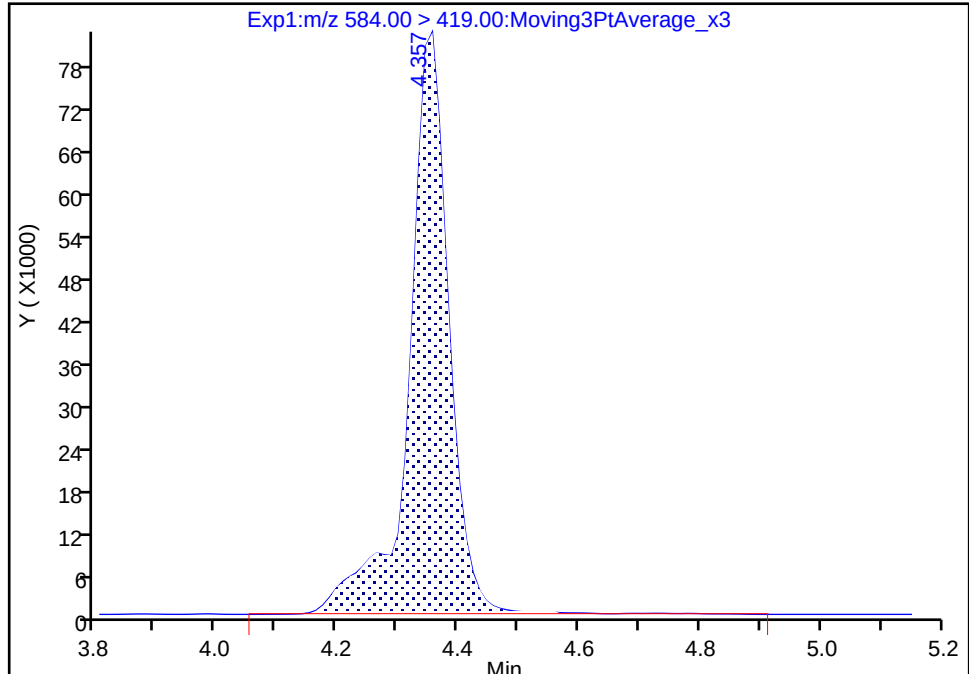
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B01.d
Injection Date: 19-Dec-2022 18:11:51 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

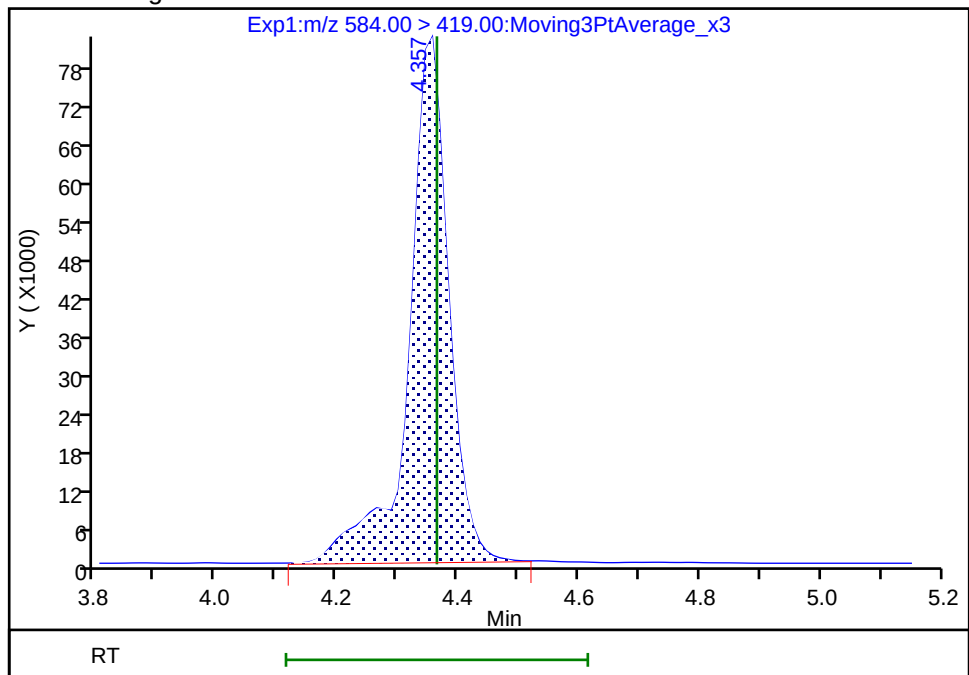
RT: 4.36
Area: 382459
Amount: 0.938389
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 374370
Amount: 0.918542
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 22-Dec-2022 08:16:38
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

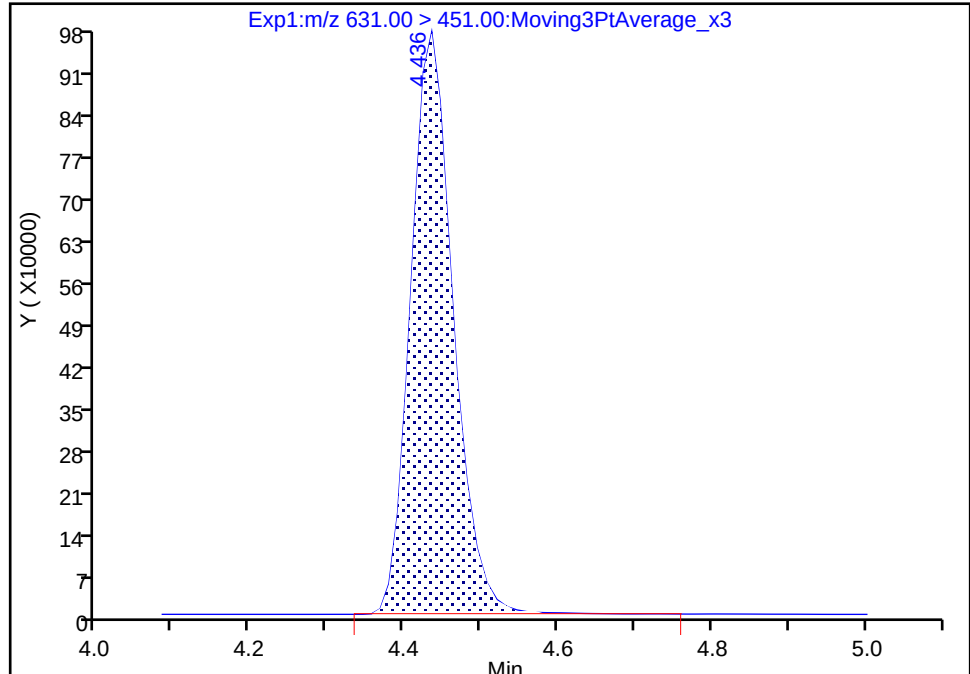
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B01.d
Injection Date: 19-Dec-2022 18:11:51 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

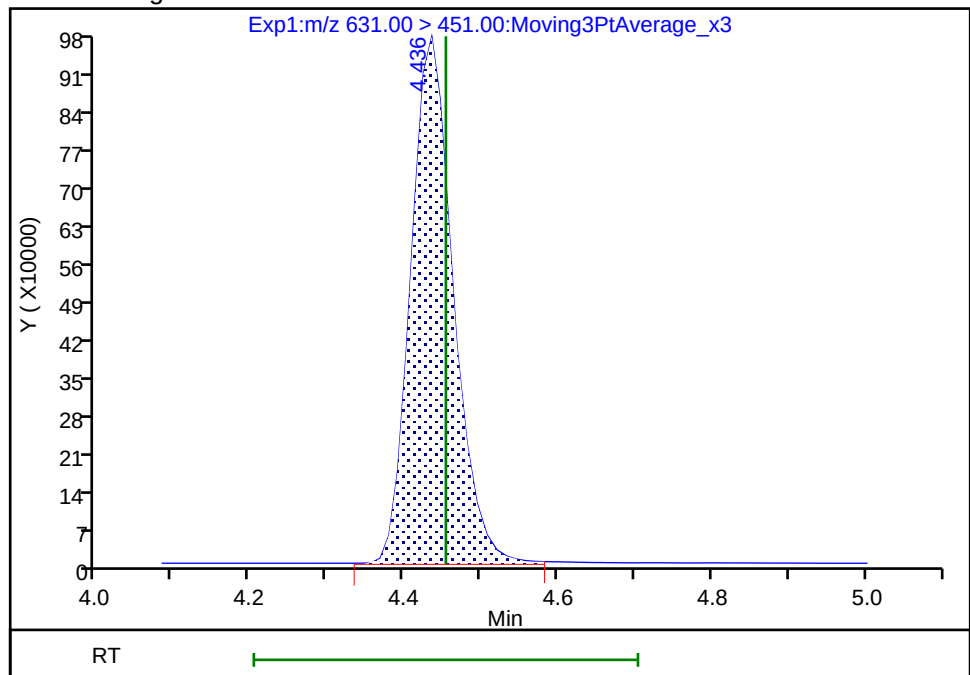
RT: 4.44
Area: 3730861
Amount: 0.886718
Amount Units: ng/ml

Processing Integration Results



RT: 4.44
Area: 3721208
Amount: 0.884423
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:27:51

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

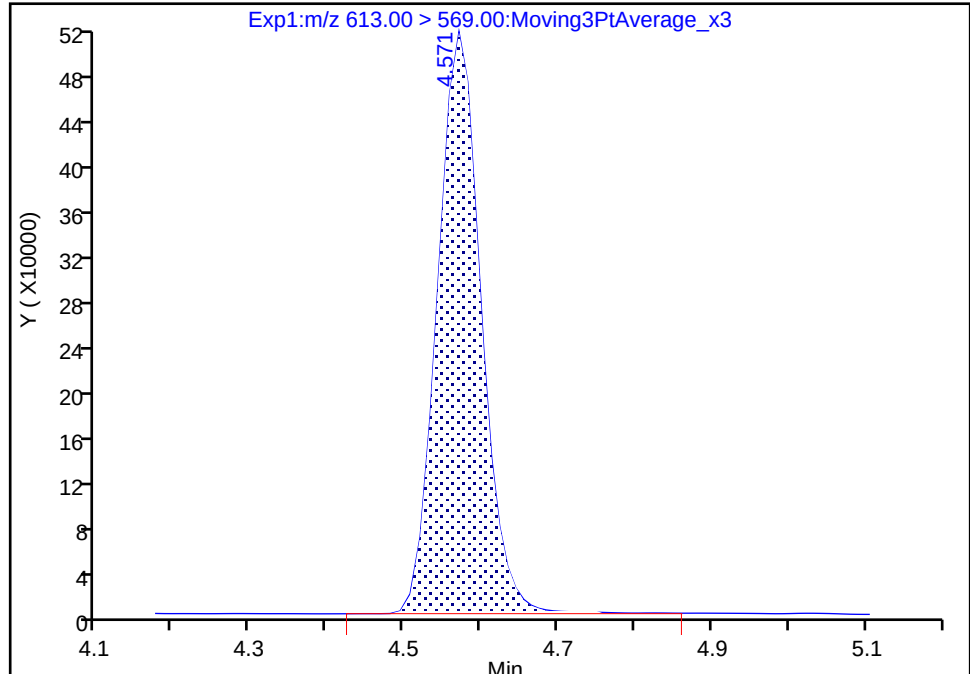
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B01.d
Injection Date: 19-Dec-2022 18:11:51 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

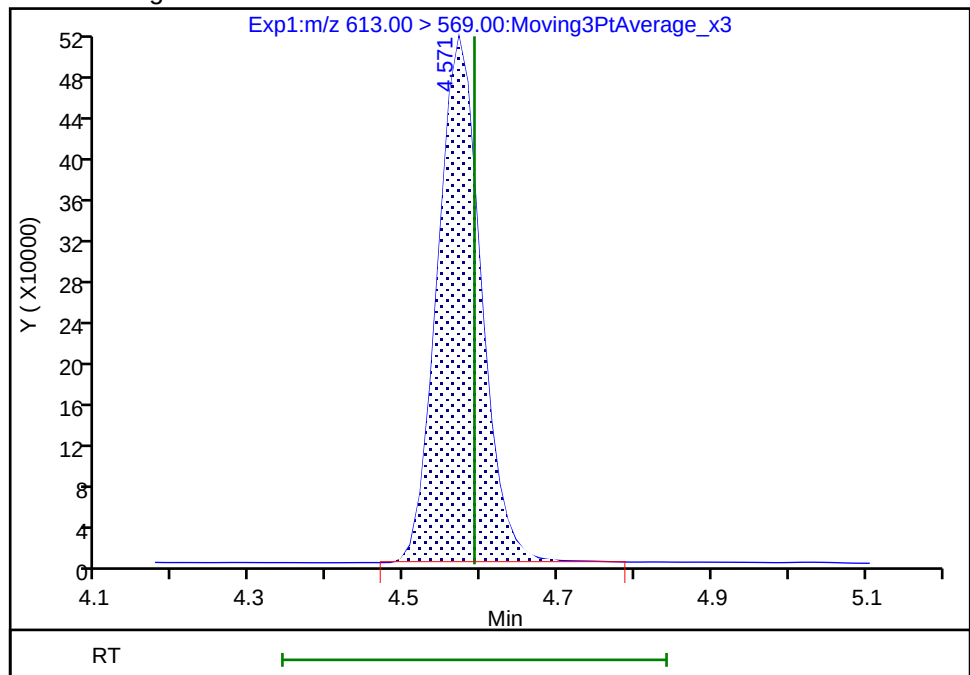
RT: 4.57
Area: 2033587
Amount: 0.954535
Amount Units: ng/ml

Processing Integration Results



RT: 4.57
Area: 2030201
Amount: 0.952946
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:27:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

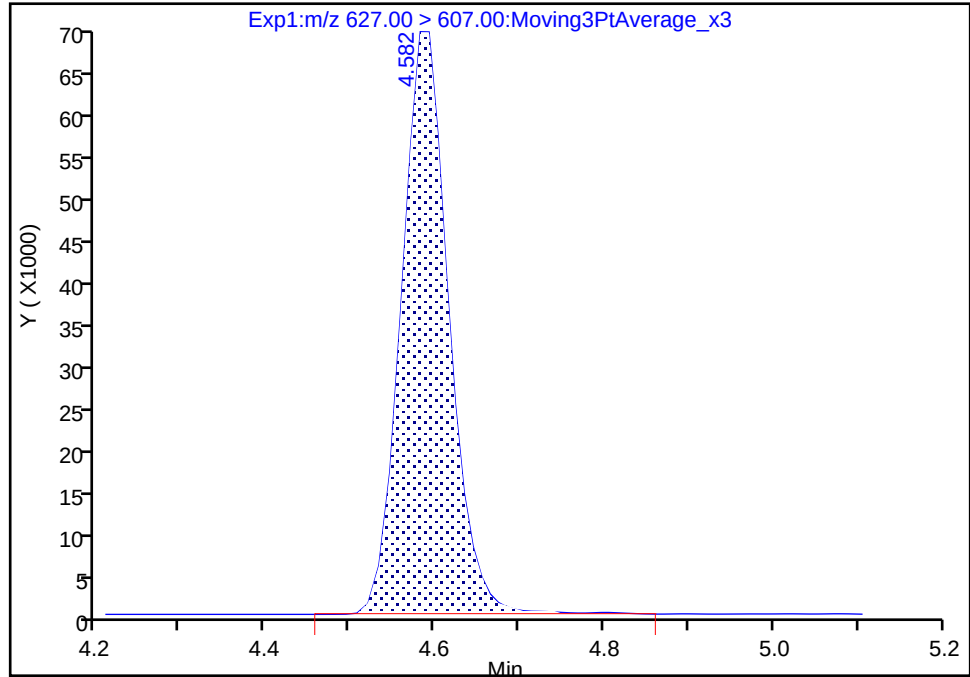
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B01.d
Injection Date: 19-Dec-2022 18:11:51 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

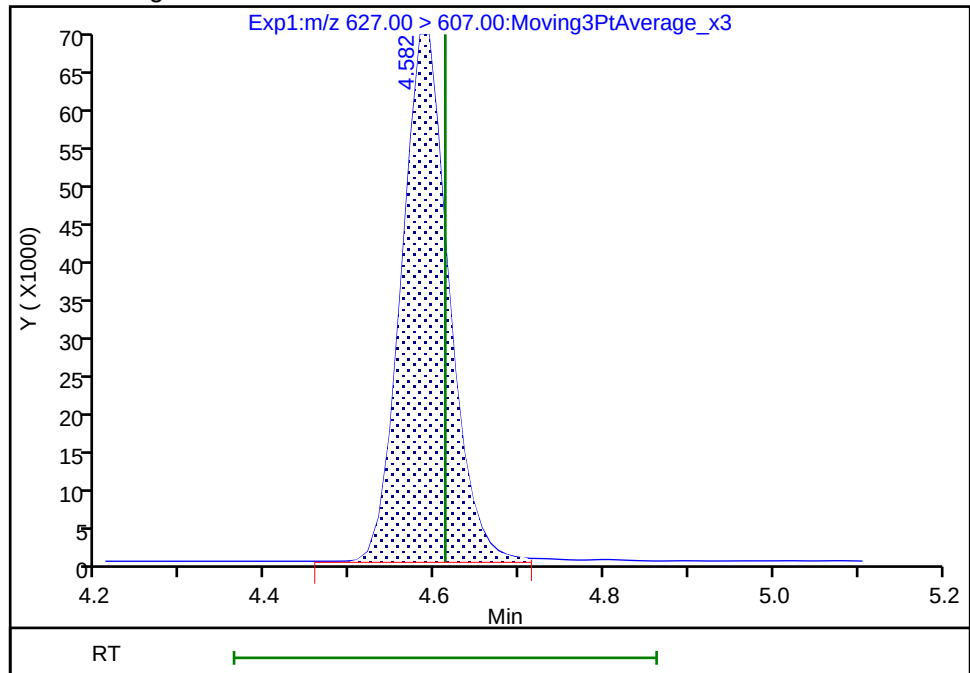
RT: 4.58
Area: 272605
Amount: 0.968496
Amount Units: ng/ml

Processing Integration Results



RT: 4.58
Area: 271112
Amount: 0.963191
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:28:08

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

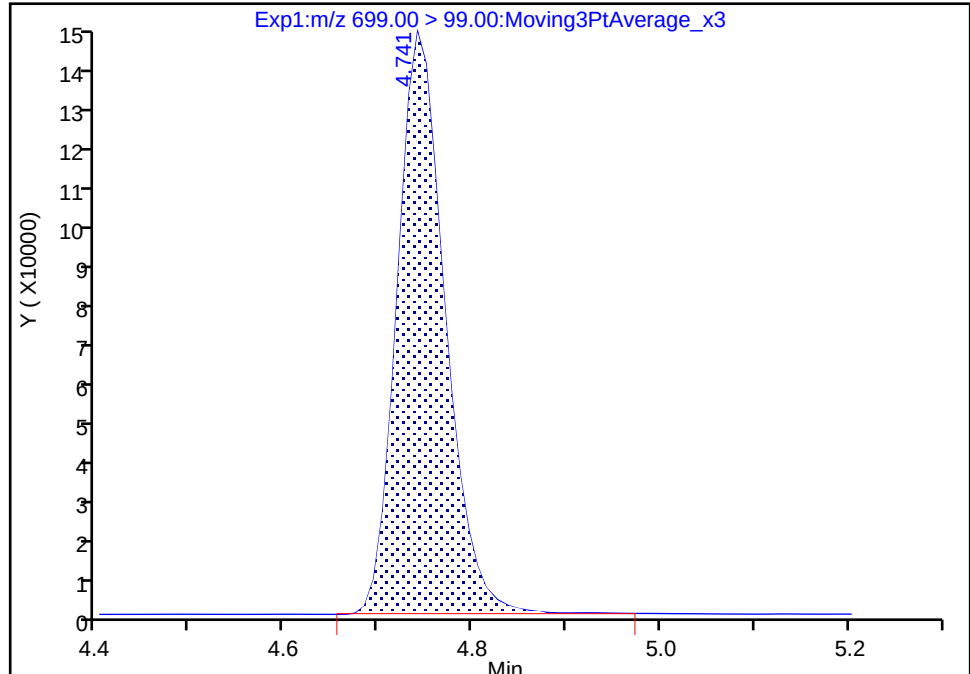
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B01.d
Injection Date: 19-Dec-2022 18:11:51 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 2

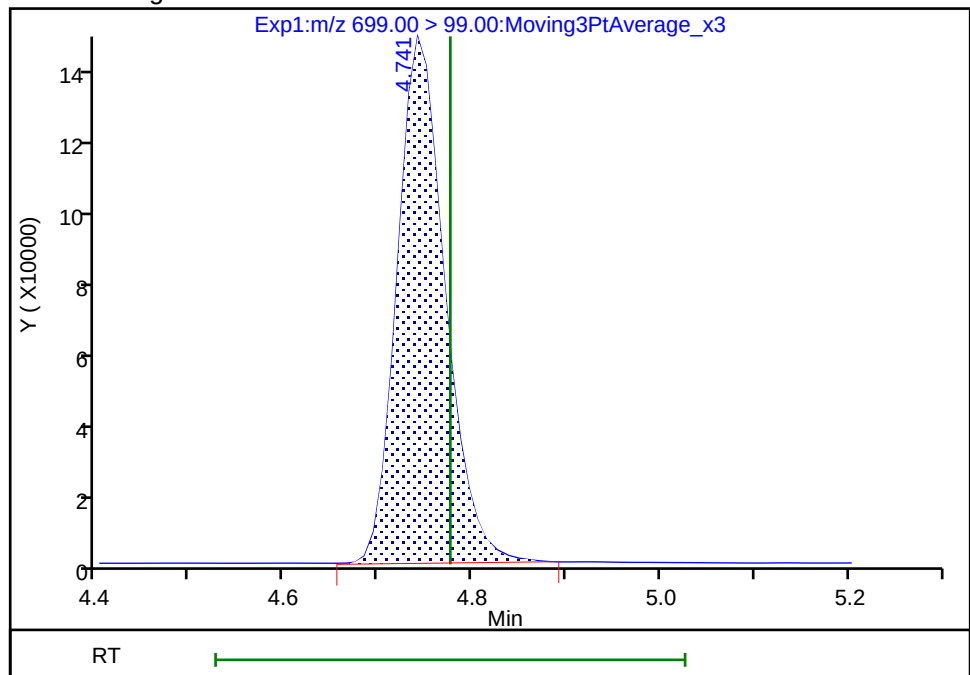
RT: 4.74
Area: 522432
Amount: 0.930407
Amount Units: ng/ml

Processing Integration Results



RT: 4.74
Area: 520362
Amount: 0.930407
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:28:16

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

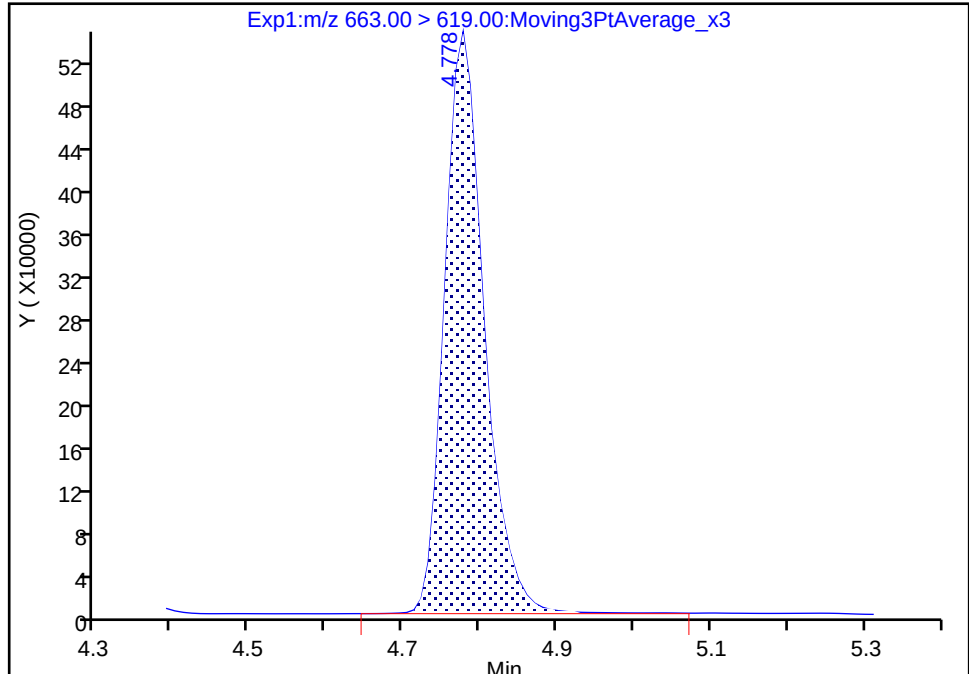
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B01.d
Injection Date: 19-Dec-2022 18:11:51 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

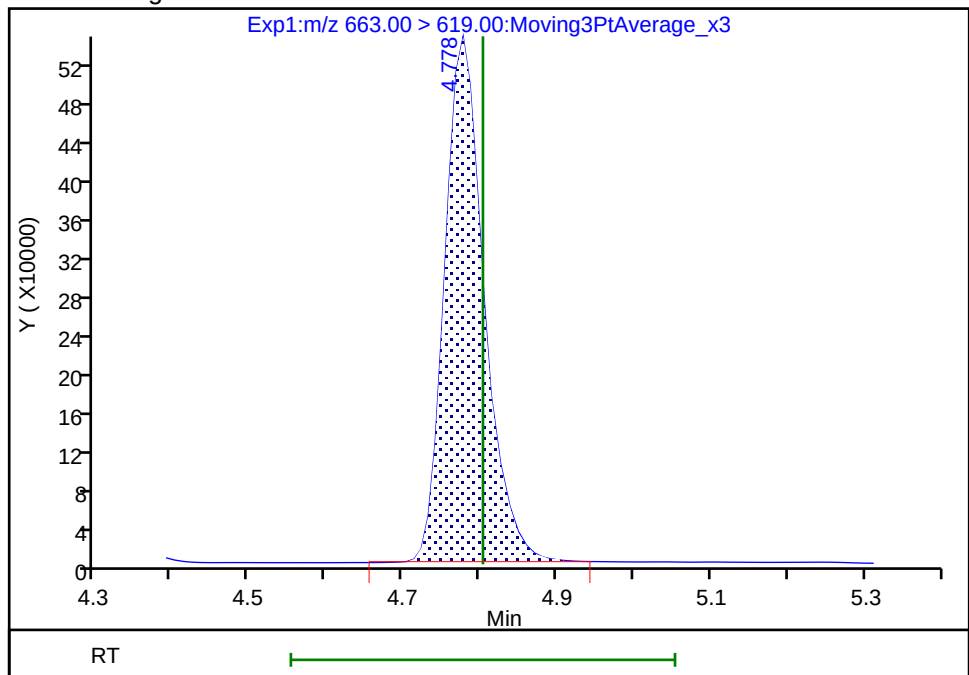
RT: 4.78
Area: 1959474
Amount: 0.961716
Amount Units: ng/ml

Processing Integration Results



RT: 4.78
Area: 1949910
Amount: 0.957022
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:28:21

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

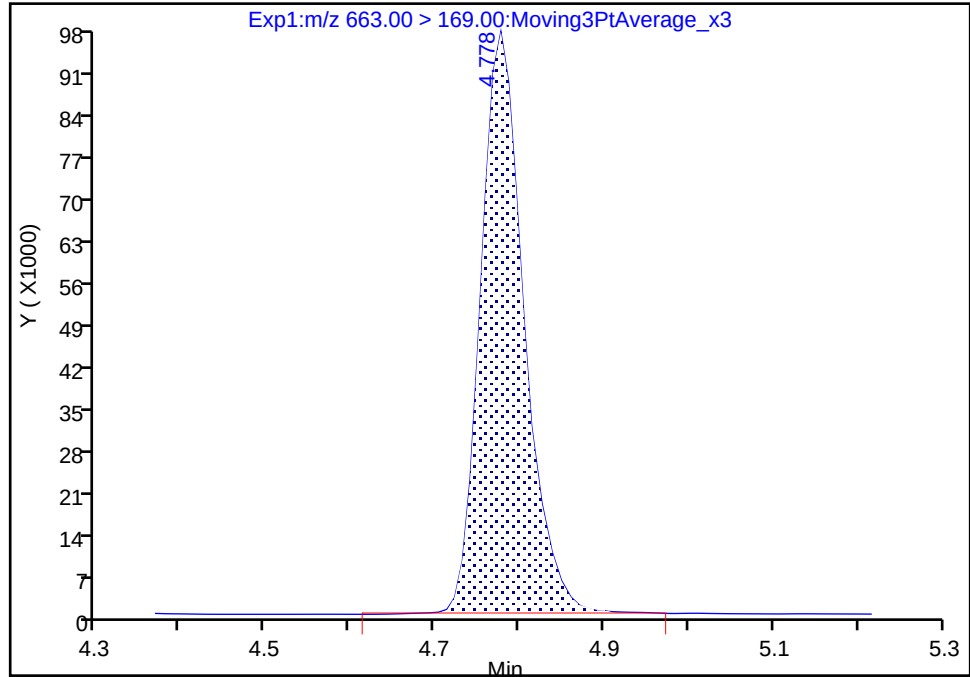
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B01.d
Injection Date: 19-Dec-2022 18:11:51 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

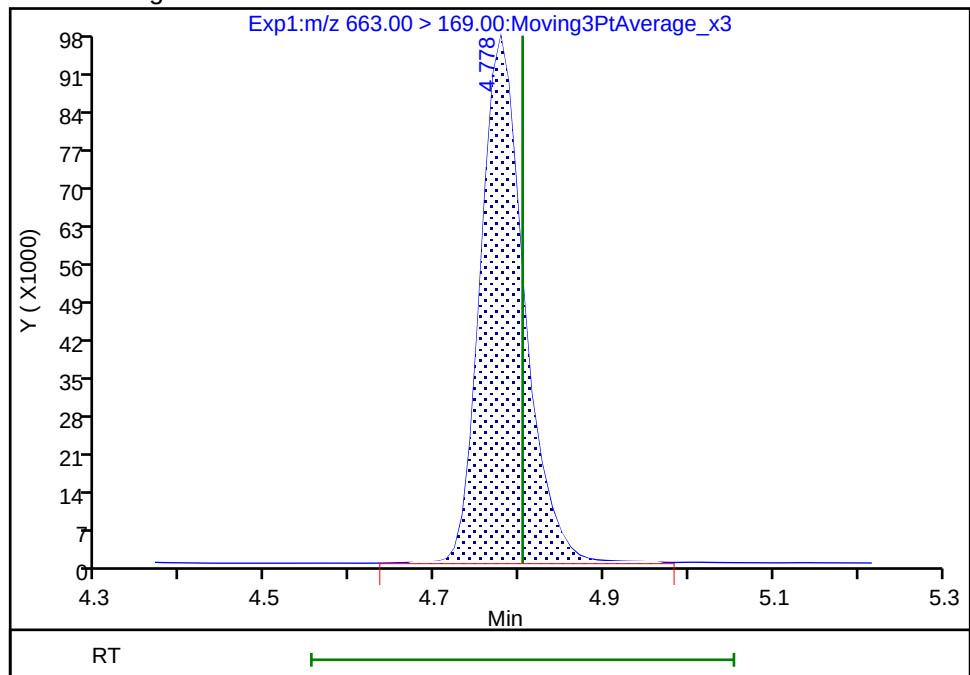
RT: 4.78
Area: 350687
Amount: 0.961716
Amount Units: ng/ml

Processing Integration Results



RT: 4.78
Area: 350364
Amount: 0.957022
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:28:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

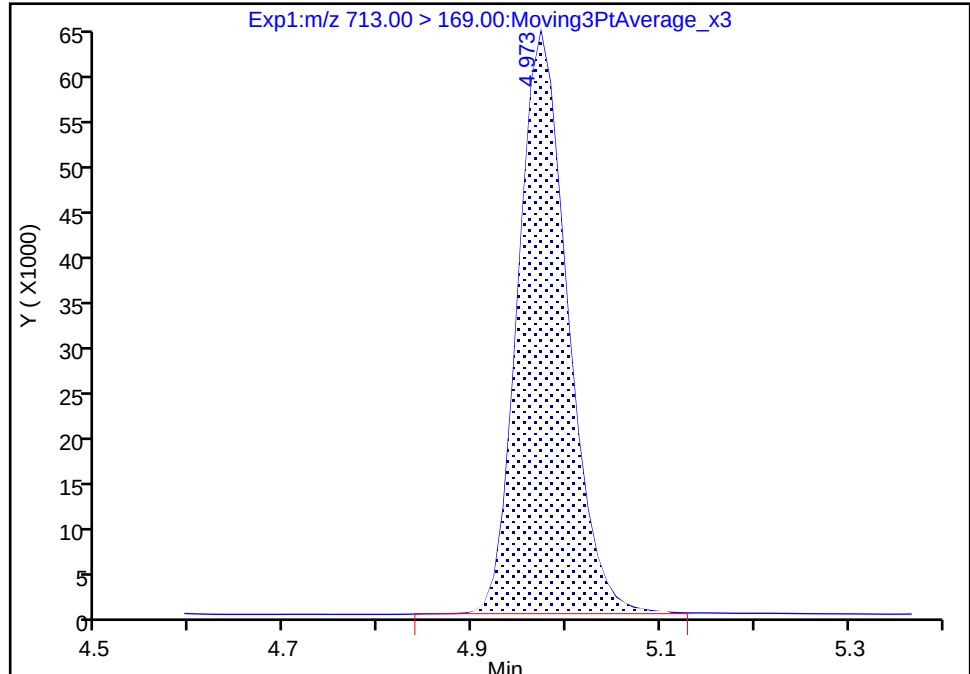
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B01.d
Injection Date: 19-Dec-2022 18:11:51 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

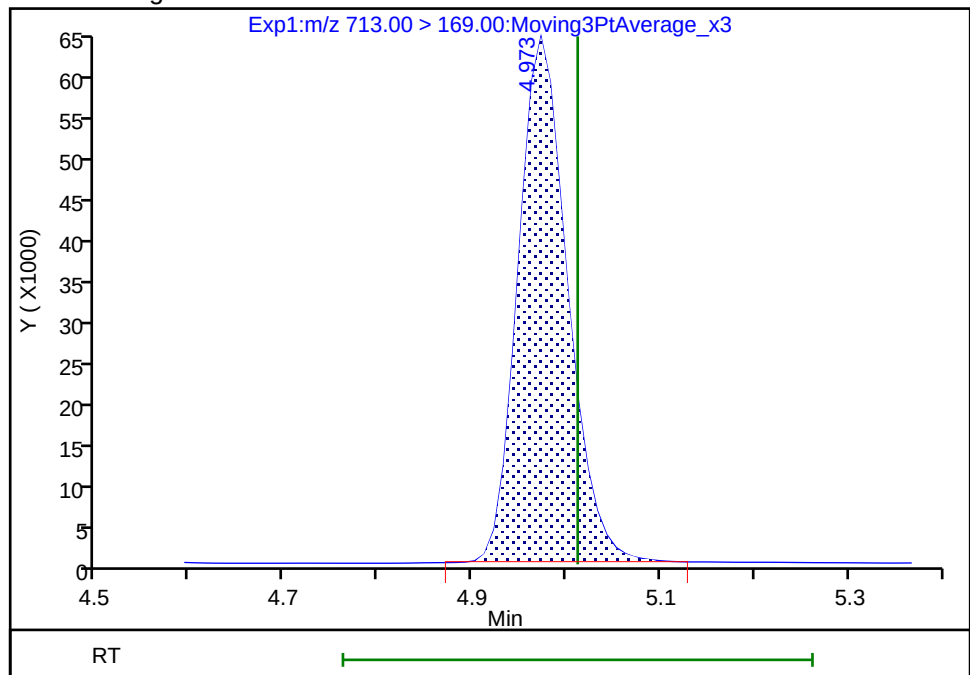
RT: 4.97
Area: 234190
Amount: 0.886670
Amount Units: ng/ml

Processing Integration Results



RT: 4.97
Area: 233921
Amount: 0.885652
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:28:34

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

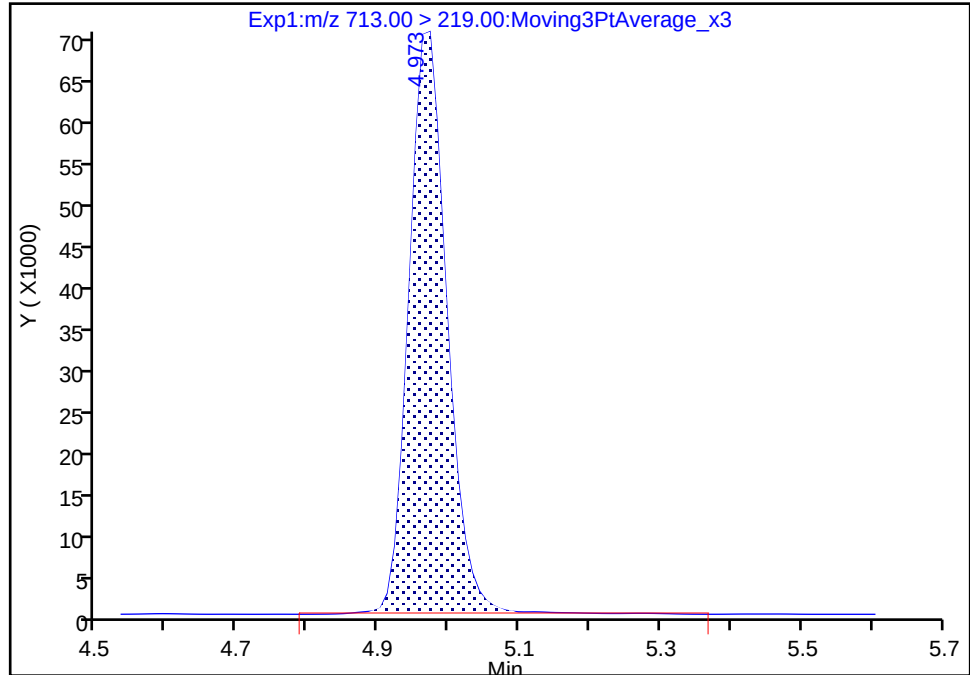
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B01.d
Injection Date: 19-Dec-2022 18:11:51 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

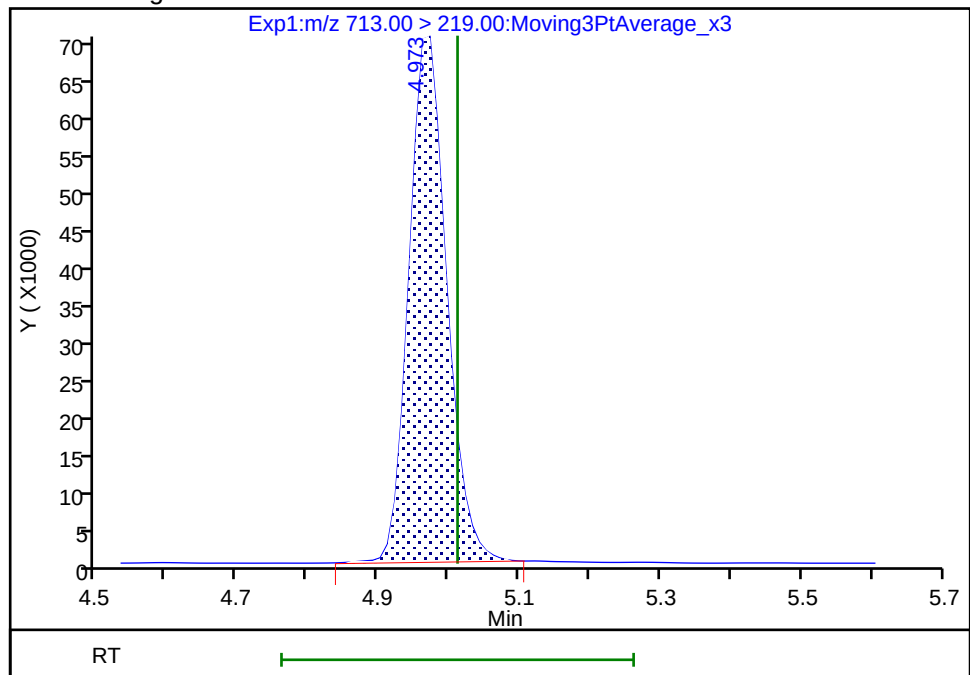
RT: 4.97
Area: 265722
Amount: 0.886670
Amount Units: ng/ml

Processing Integration Results



RT: 4.97
Area: 260999
Amount: 0.885652
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:28:38

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

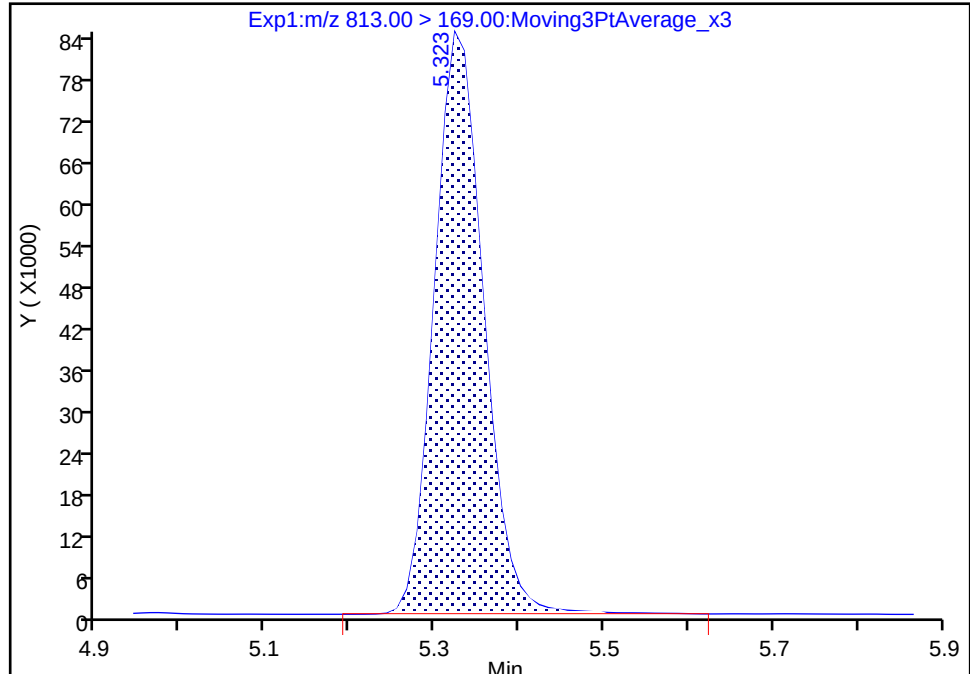
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B01.d
Injection Date: 19-Dec-2022 18:11:51 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

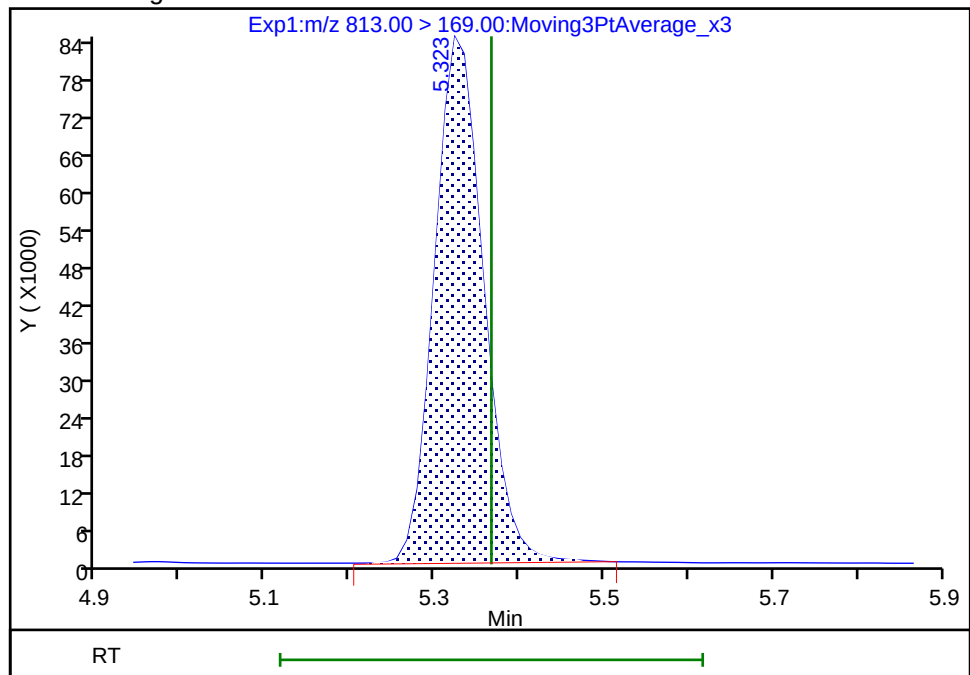
RT: 5.32
Area: 341600
Amount: 0.920388
Amount Units: ng/ml

Processing Integration Results



RT: 5.32
Area: 339212
Amount: 0.920388
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:28:45

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

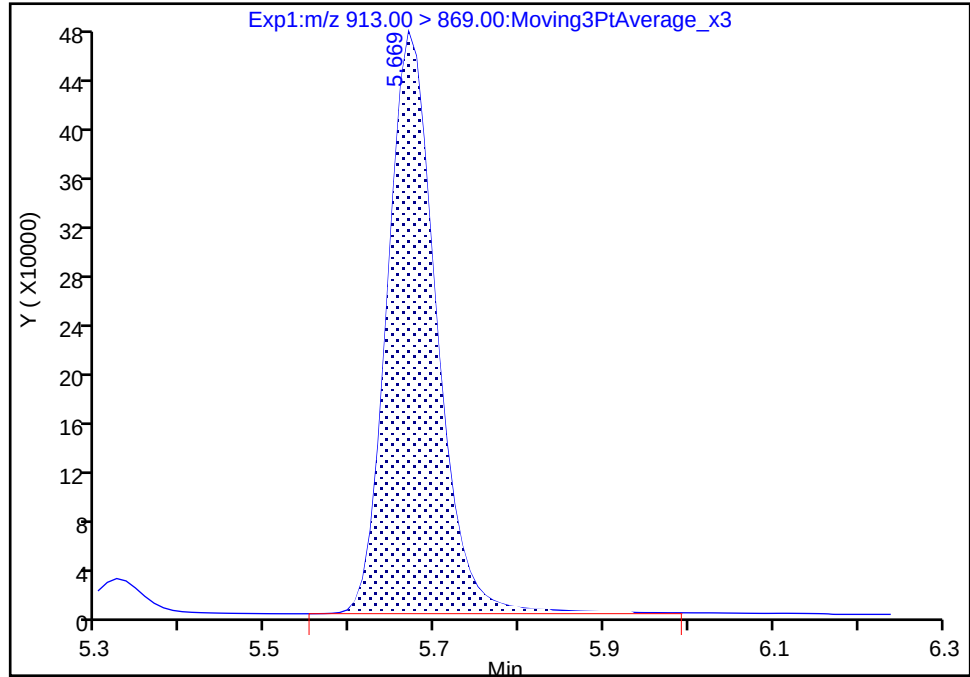
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B01.d
Injection Date: 19-Dec-2022 18:11:51 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

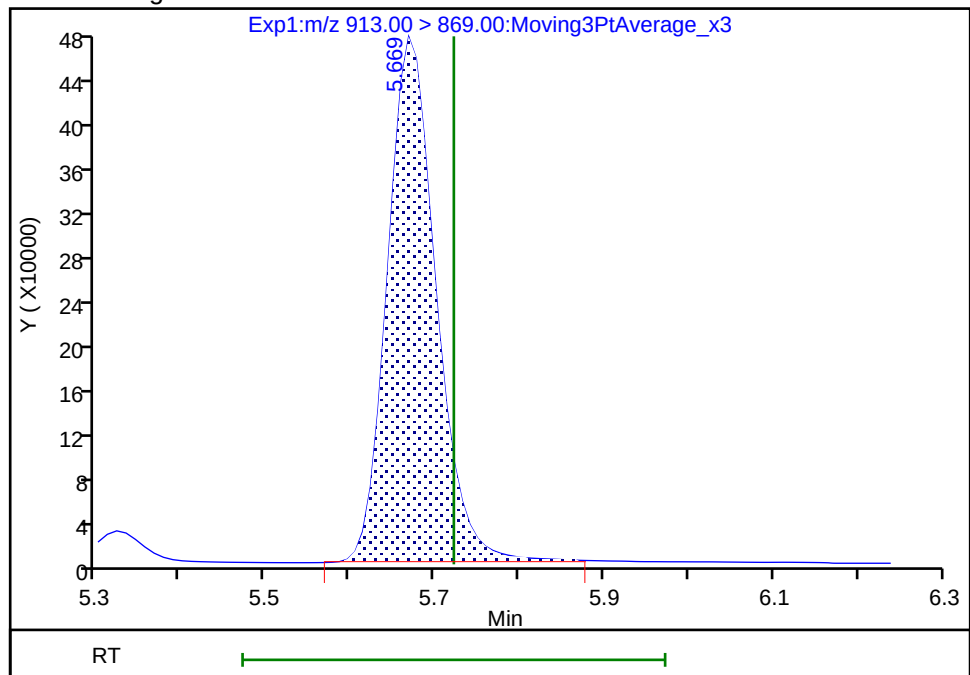
RT: 5.67
Area: 1917034
Amount: 0.981060
Amount Units: ng/ml

Processing Integration Results



RT: 5.67
Area: 1899097
Amount: 0.971880
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:28:52

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

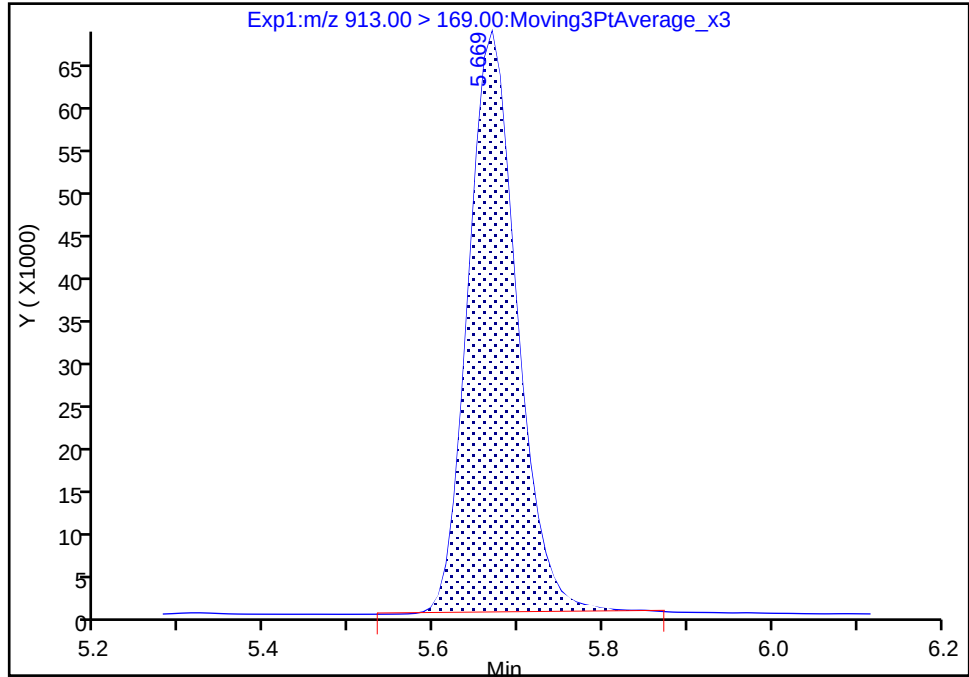
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B01.d
Injection Date: 19-Dec-2022 18:11:51 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

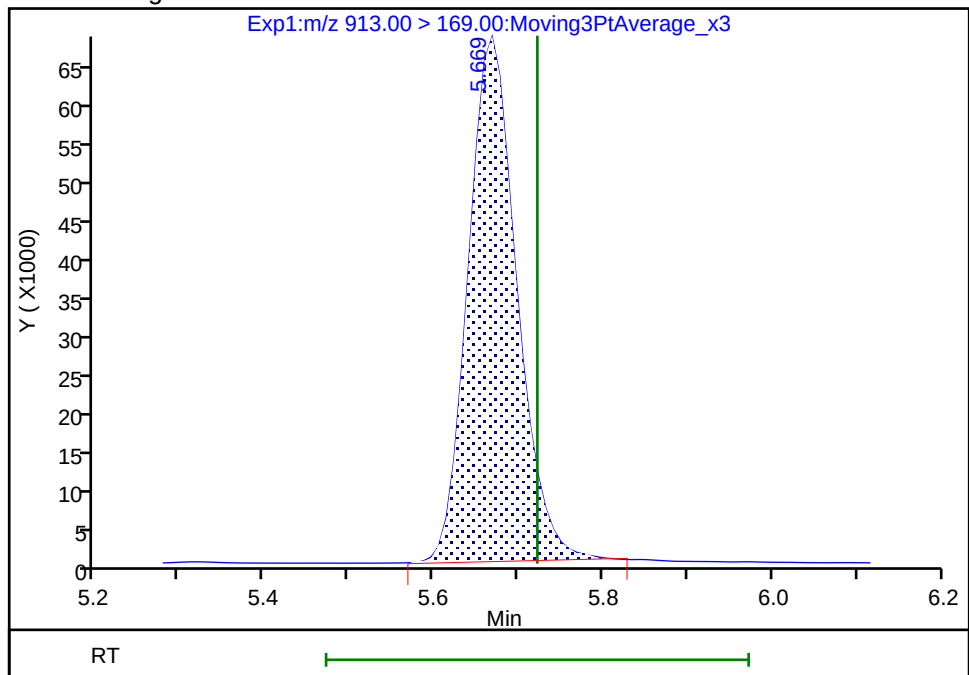
RT: 5.67
Area: 273835
Amount: 0.981060
Amount Units: ng/ml

Processing Integration Results



RT: 5.67
Area: 271837
Amount: 0.971880
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:28:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-271302-1

SDG No.: _____

Lab Sample ID: CCV 200-186872/14 Calibration Date: 12/19/2022 19:58

Instrument ID: LC812 Calib Start Date: 11/18/2022 14:29

GC Column: C-18 ID: 4.60 (mm) Calib End Date: 11/18/2022 15:10

Lab File ID: PA221219B14.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	1.031	0.9192		2.23	2.50	-10.9	
Perfluoropentanoic acid (PFPeA)	AveID	1.090	0.9882		2.27	2.50	-9.3	
Perfluorobutanesulfonic acid (PFBS)	AveID	1.144	1.028		1.99	2.21	-10.1	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	3.081	2.804		2.13	2.34	-9.0	
Perfluorohexanoic acid (PFHxA)	AveID	1.090	1.032		2.37	2.50	-5.3	
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.335	1.181		2.07	2.35	-11.6	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.056	0.9767		2.31	2.50	-7.5	
Perfluoroheptanoic acid (PFHpA)	AveID	1.089	0.9714		2.23	2.50	-10.8	
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.129	1.048		2.11	2.28	-7.1	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	5.507	5.052		2.16	2.36	-8.3	
6:2 FTS	L1ID		2.071		2.31	2.37	-2.5	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.397	1.329		2.27	2.38	-4.8	
Perfluorooctanoic acid (PFOA)	AveID	1.069	0.9686		2.27	2.50	-9.4	
Perfluorooctanesulfonic acid (PFOS)	AveID	1.216	1.100		2.10	2.32	-9.6	
Perfluorononanoic acid (PFNA)	AveID	1.037	0.9401		2.27	2.50	-9.4	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	AveID	2.791	2.614		2.18	2.33	-6.3	
Perfluorononanesulfonic acid (PFNS)	AveID	0.9179	0.8619		2.25	2.40	-6.1	
Perfluorodecanoic acid (PFDA)	AveID	1.084	0.9828		2.27	2.50	-9.4	
8:2 FTS	AveID	1.617	1.639		2.43	2.40	1.4	
Perfluorooctanesulfonamide (FOSA)	AveID	1.045	0.9655		2.31	2.50	-7.6	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	L1ID		0.8827		2.55	2.50	2.1	30.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.7248	0.7055		2.35	2.41	-2.7	
Perfluoroundecanoic acid (PFUnA)	AveID	1.008	0.8934		2.22	2.50	-11.4	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.8953	0.8214		2.29	2.50	-8.2	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF)	AveID	4.303	4.021		2.20	2.36	-6.6	
Perfluorododecanoic acid (PFDoA)	AveID	1.059	0.8969		2.12	2.50	-15.3	
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	AveID	0.9717	1.056		2.62	2.41	8.6	
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.3067	0.3008		2.37	2.42	-1.9	

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-271302-1
 SDG No.: _____
 Lab Sample ID: CCV 200-186872/14 Calibration Date: 12/19/2022 19:58
 Instrument ID: LC812 Calib Start Date: 11/18/2022 14:29
 GC Column: C-18 ID: 4.60 (mm) Calib End Date: 11/18/2022 15:10
 Lab File ID: PA221219B14.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorotridecanoic acid (PFTriA)	AveID	1.013	0.8921		2.20	2.50	-12.0	
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1369	0.1268		2.32	2.50	-7.4	
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		0.8996		2.43	2.50	-2.8	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.8236	0.7944		2.41	2.50	-3.5	
13C4 PFBA	Ave	1.122	1.020		1.14	1.25	-9.1	
13C5 PFPeA	Ave	0.8543	0.7955		1.16	1.25	-6.9	
13C3 PFBS	Ave	0.9281	0.9239		1.16	1.16	-0.5	
M2-4:2 FTS	Ave	0.0820	0.0785		1.12	1.17	-4.3	
13C2 PFHxA	Ave	0.8951	0.8401		1.17	1.25	-6.1	
13C3 HFPO-DA	Ave	0.1580	0.1438		1.14	1.25	-9.0	
13C4 PFHpA	Ave	0.9206	0.8975		1.22	1.25	-2.5	50.0
18O2 PFHxS	Ave	0.6761	0.6980		1.22	1.18	3.2	50.0
M2-6:2 FTS	Ave	0.1134	0.1111		1.16	1.19	-2.0	
13C4 PFOA	Ave	1.035	1.059		1.28	1.25	2.3	50.0
13C4 PFOS	Ave	0.4588	0.4646		1.21	1.20	1.3	50.0
13C5 PFNA	Ave	1.006	1.072		1.33	1.25	6.6	50.0
13C2 PFDA	Ave	1.025	1.126		1.37	1.25	9.9	
M2-8:2 FTS	Ave	0.1387	0.1301		1.12	1.20	-6.2	
13C8 FOSA	Ave	0.8403	0.8483		1.26	1.25	1.0	
d3-NMeFOSAA	Ave	0.2087	0.2149		1.29	1.25	3.0	
13C2 PFUnA	Ave	0.9385	0.9727		1.30	1.25	3.6	
d5-NEtFOSAA	Ave	0.2055	0.2174		1.32	1.25	5.8	
13C2 PFDoA	Ave	0.9562	1.057		1.38	1.25	10.6	
13C2 PFTeDA	Ave	0.8270	0.9302		1.41	1.25	12.5	
13C2 PFHxDA	Ave	1.022	1.172		1.43	1.25	14.6	

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
 Lims ID: CCV L5
 Client ID:
 Sample Type: CCV
 Inject. Date: 19-Dec-2022 19:58:16 ALS Bottle#: 14 Worklist Smp#: 14
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: CCV L5
 Misc. Info.: 200-0053737-014 Plate: 1 Rack: 2
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 22-Dec-2022 09:36:59 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1616

First Level Reviewer: khanphomeea

Date: 20-Dec-2022 09:59:14

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.085	2.076	0.009	0.603	2684962	1.14		90.9	10435	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.093	2.076	0.017	1.004	4936205	2.23		89.1	421	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.387	0.013	0.695	2093949	1.16		93.1	3291	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.400	2.387	0.013	1.000	4138428	2.27		90.7	116	M
D 47 13C3 PFBS										
301.90 > 80.00	2.413	2.400	0.013	0.698	2261608	1.16		99.5	257188	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.426	2.400	0.026	1.006	4421492	1.99	Target=2.09	89.9	4236	M
298.90 > 99.00	2.426	2.400	0.026	1.006	2102379		2.10(1.04-3.13)		1424	M
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.701	2.689	0.012	1.000	1081820	2.13		91.0	1893	M
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.701	2.689	0.012	0.782	192901	1.12		95.7	184	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.737	2.725	0.012	0.792	2211401	1.17		93.9	3526	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.737	2.725	0.012	1.000	4564635	2.37	Target=14.25	94.7	816	M
313.00 > 119.00	2.737	2.725	0.012	1.000	329001		13.87(7.12-21.37)		485	M
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.749	2.737	0.012	0.887	4069611	2.07	Target=3.04	88.4	2491	M
349.00 > 99.00	2.749	2.737	0.012	0.887	1397191		2.91(1.52-4.56)		1628	M
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.847	2.835	0.012	1.000	739453	2.31		92.5	1995	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	2.847	2.835	0.012	0.824	378560	1.14		91.0	2426	
D 11 18O2 PFHxS										
403.00 > 84.00	3.098	3.088	0.010	0.897	1738148	1.22		103	3459	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.098	3.088	0.010	1.000	3504701	2.11	Target=3.66	92.9	2935	M
399.00 > 99.00	3.098	3.088	0.010	1.000	1010234		3.47(1.83-5.49)		978	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.098	3.099	-0.001	0.897	2362351	1.22		97.5	5168	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.098	3.099	-0.001	1.000	4589410	2.23	Target=3.97	89.2	805	M
363.00 > 169.00	3.098	3.099	-0.001	1.000	1185591		3.87(1.98-5.95)		1488	M
77 DONA										
377.00 > 251.00	3.143	3.132	0.011	0.835	11640302	2.16	Target=3.16	91.7	3413	M
377.00 > 85.00	3.143	3.132	0.011	0.835	3777017		3.08(1.58-4.73)		2480	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.438	3.439	-0.001	0.995	277897	1.16		98.0	631	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.438	3.439	-0.001	1.000	1148772	2.31		97.5	2224	
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.438	3.439	-0.001	0.914	3095730	2.27	Target=5.14	95.2	2112	M
449.00 > 99.00	3.438	3.439	-0.001	0.914	632649		4.89(2.57-7.72)		1289	M
D 14 13C4 PFOA										
417.00 > 372.00	3.455	3.448	0.007	1.000	2787186	1.28		102	4405	
* 62 13C2 PFOA										
415.00 > 370.00	3.455	3.448	0.007		2632168	1.25			3111	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.455	3.448	0.007	1.000	5399347	2.27	Target=2.79	90.6	387	M
413.00 > 169.00	3.455	3.448	0.007	1.000	1840273		2.93(1.40-4.19)		1790	M
D 18 13C4 PFOS										
503.00 > 80.00	3.762	3.764	-0.002	1.089	1169143	1.21		101	2067	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.762	3.764	-0.002	1.000	2496598	2.10	Target=5.11	90.4	1350	M
499.00 > 99.00	3.762	3.764	-0.002	1.000	537234		4.65(2.55-7.66)		1363	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.782	3.783	-0.001	1.000	5306355	2.27	Target=8.55	90.6	1019	M
463.00 > 169.00	3.782	3.783	-0.001	1.000	634951		8.36(4.28-12.83)		2447	M
D 19 13C5 PFNA										
468.00 > 423.00	3.782	3.783	-0.001	1.095	2822222	1.33		107	7128	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.927	3.928	-0.001	1.044	5959917	2.18		93.7	4981	M
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.050	4.050	0.0	1.076	2023776	2.25	Target=2.53	93.9	3437	M
549.00 > 99.00	4.050	4.050	0.0	1.076	799449		2.53(1.27-3.80)		1902	M
D 23 13C2 PFDA										
515.00 > 470.00	4.081	4.081	0.0	1.181	2963636	1.37		110	4383	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										
513.00 > 469.00	4.081	4.081	0.0	1.000	5825296	2.27	Target=10.26	90.6	1721	
513.00 > 169.00	4.081	4.081	0.0	1.000	583395		9.99(5.13-15.38)		1266	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.092	4.093	-0.001	1.184	328144	1.12		93.8	1176	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.092	4.093	-0.001	1.000	1075765	2.43		101	1848	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.150	4.150	0.0	1.000	4311849	2.31		92.4	3030	
D 21 13C8 FOSA										
506.00 > 78.00	4.150	4.150	0.0	1.201	2232970	1.26		101	2482	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.228	4.228	0.0	1.224	565603	1.29		103	333	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.228	4.228	0.0	1.000	998553	2.55		102	584	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.319	4.331	-0.012	1.148	1663364	2.35	Target=2.51	97.3	3374	M
599.00 > 99.00	4.319	4.331	-0.012	1.148	639053		2.60(1.25-3.76)		2669	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.353	4.353	0.0	1.260	2560301	1.30		104	4095	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.353	4.353	0.0	1.000	4574607	2.22	Target=9.88	88.6	1050	M
563.00 > 169.00	4.353	4.353	0.0	1.000	441270		10.37(4.94-14.82)		1297	M
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.364	4.365	-0.001	1.003	940128	2.29		91.8	1231	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.353	4.365	-0.012	1.260	572253	1.32		106	937	
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.443	4.454	-0.011	1.181	9263436	2.20		93.4	5837	M
37 Perfluorododecanoic acid										
613.00 > 569.00	4.591	4.591	0.0	1.002	4992816	2.12	Target=7.77	84.7	354	M
613.00 > 169.00	4.591	4.591	0.0	1.002	685683		7.28(3.89-11.66)		1645	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.580	4.591	-0.011	1.326	2783407	1.38		111	3465	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.601	4.612	-0.011	1.124	697073	2.62		109	1111	M
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.767	4.776	-0.009	1.267	712252	2.37	Target=0.50	98.1	1949	M
699.00 > 99.00	4.767	4.776	-0.009	1.267	1303758		0.55(0.25-0.76)		2161	M
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.794	4.804	-0.010	1.047	4966350	2.20	Target=5.21	88.0	315	M
663.00 > 169.00	4.794	4.804	-0.010	1.047	890805		5.58(2.60-7.81)		1584	M
42 Perfluorotetradecanoic acid										
713.00 > 169.00	4.992	5.012	-0.020	1.000	620921	2.32	Target=0.89	92.6	1990	M
713.00 > 219.00	4.992	5.012	-0.020	1.000	680598		0.91(0.44-1.33)		1314	M
D 43 13C2 PFTeDA										
715.00 > 670.00	4.992	5.012	-0.020	1.445	2448488	1.41		112	5217	

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	5.355	5.367	-0.012	1.000	5550212	2.43	Target=5.65	97.2	410	M
813.00 > 169.00	5.355	5.367	-0.012	1.000	886048		6.26(2.82-8.47)		2110	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.355	5.367	-0.012	1.550	3084685	1.43		115	4495	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.695	5.722	-0.027	1.063	4900692	2.41	Target=6.24	96.5	341	M
913.00 > 169.00	5.695	5.722	-0.027	1.063	750334		6.53(3.12-9.36)		853	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC5_00031

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d

Injection Date: 19-Dec-2022 19:58:16

Instrument ID: LC812

Lims ID: CCV L5

Client ID:

Operator ID: lc812tech

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

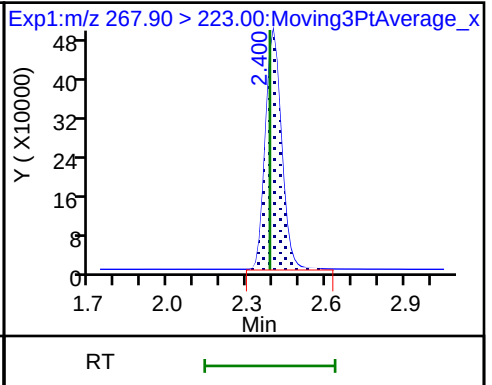
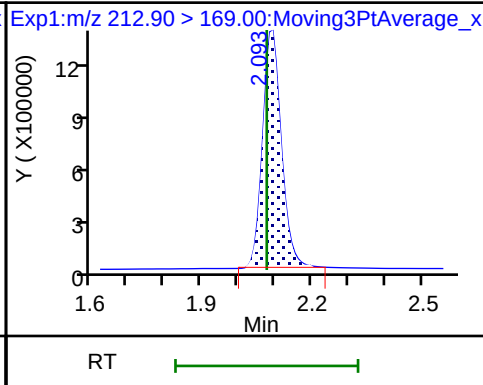
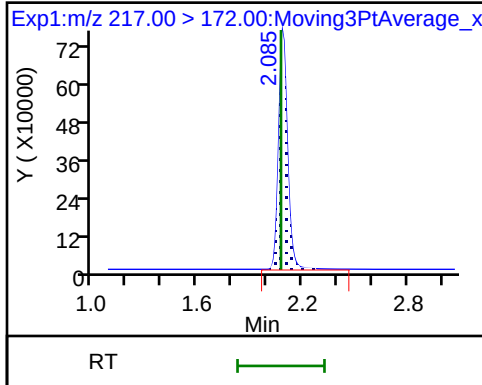
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

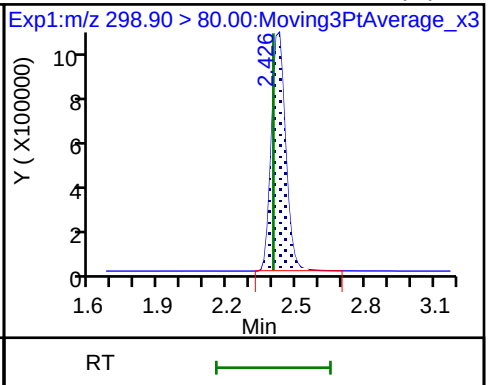
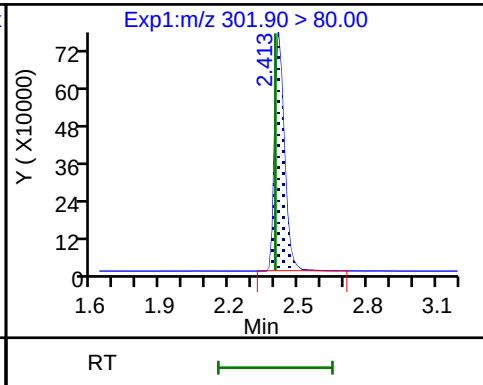
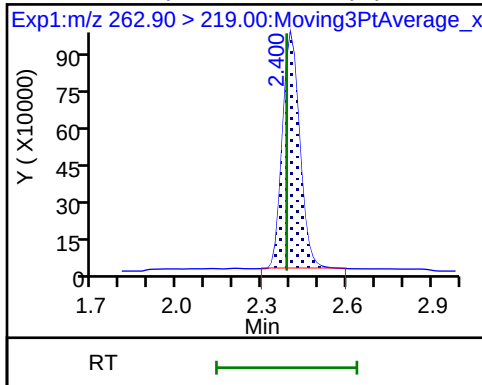
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS

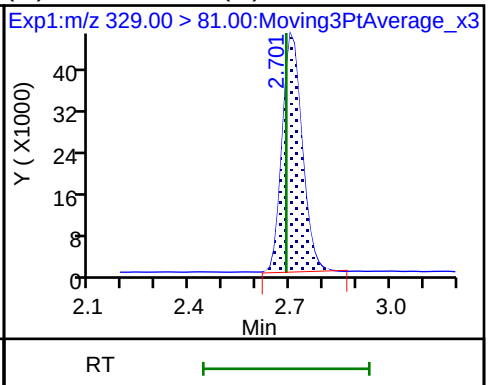
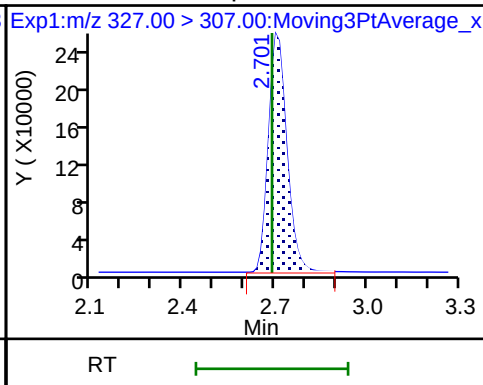
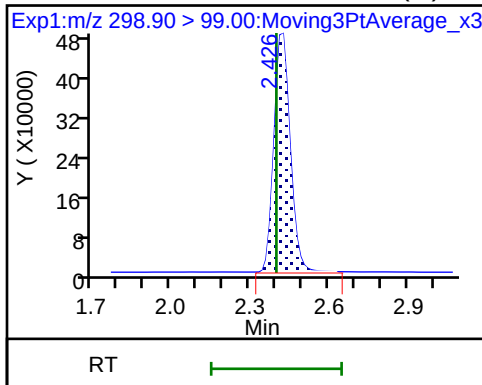
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

61 1H,1H,2H,2H-perfluorohexanesulfo (M)

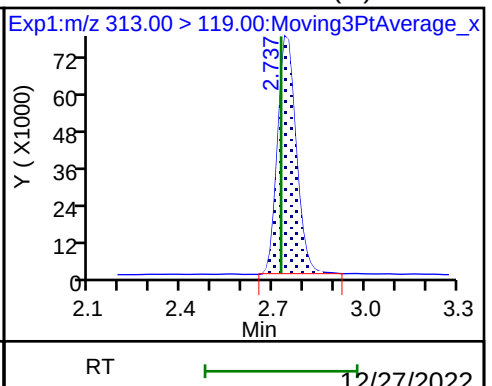
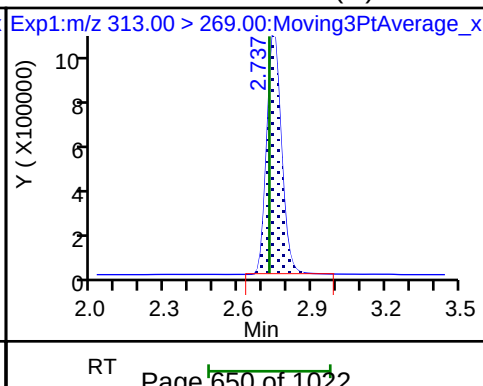
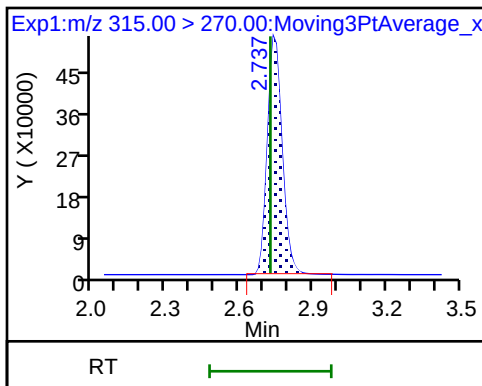
D 50 M2-4:2 FTS (M)



D 7 13C2 PFHxA

6 Perfluorohexanoic acid (M)

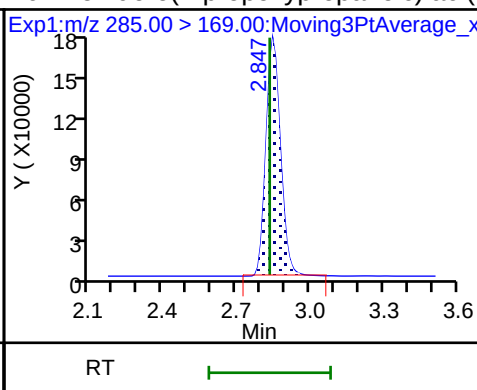
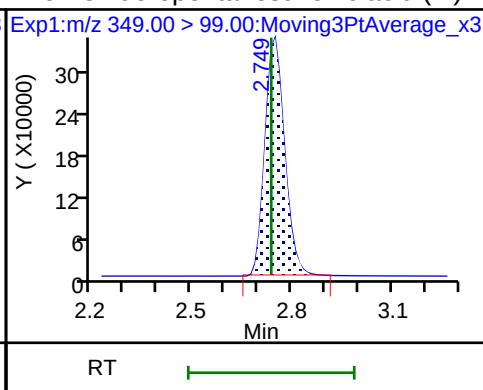
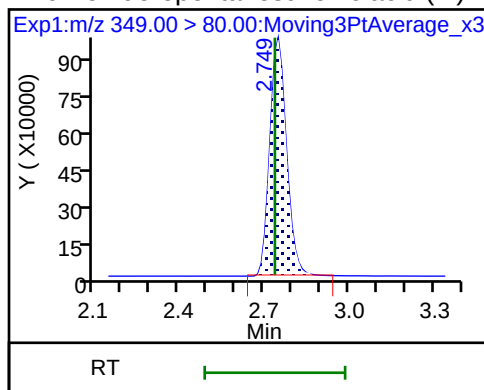
6 Perfluorohexanoic acid (M)



70 Perfluoropentanesulfonic acid (M)

70 Perfluoropentanesulfonic acid (M)

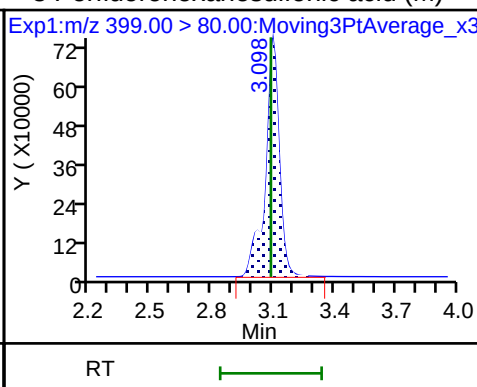
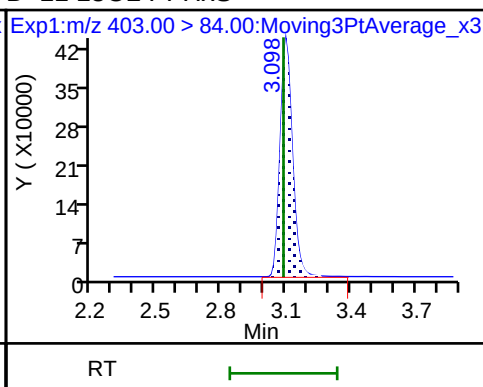
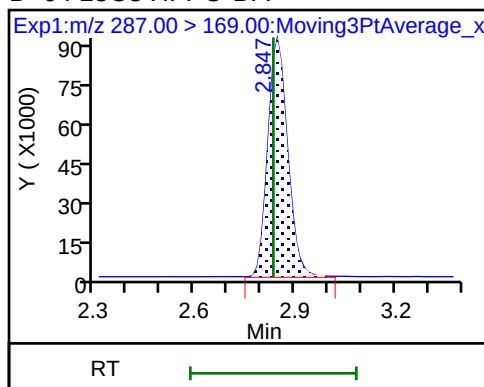
67 Perfluoro(2-propoxypropanoic) ac (M)



D 64 13C3 HFPO-DA

D 11 18O2 PFHxS

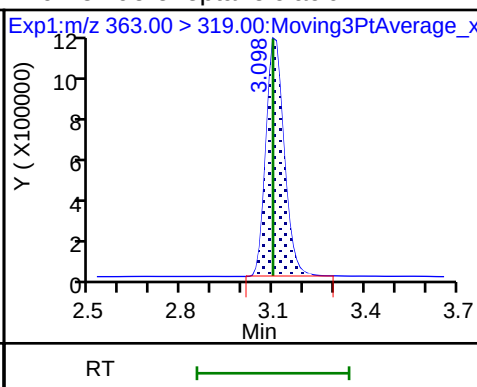
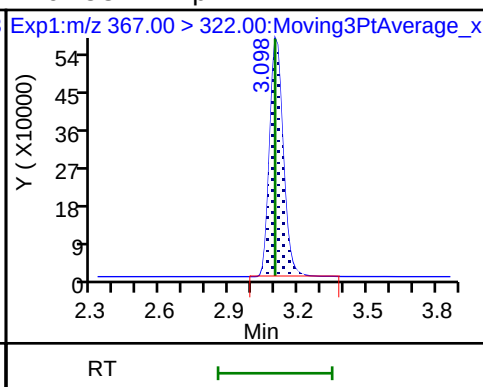
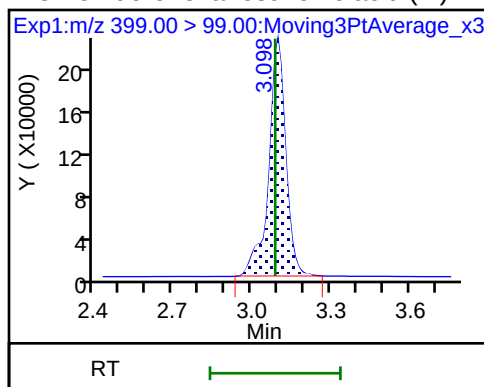
8 Perfluorohexanesulfonic acid (M)



8 Perfluorohexanesulfonic acid (M)

D 9 13C4 PFHpA

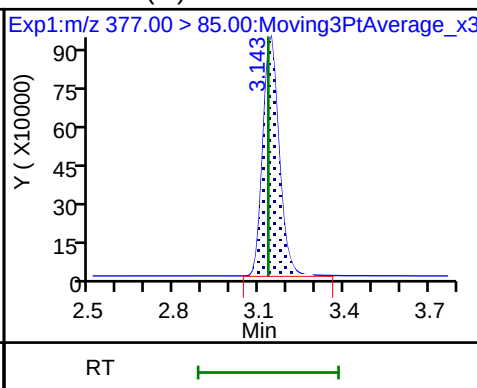
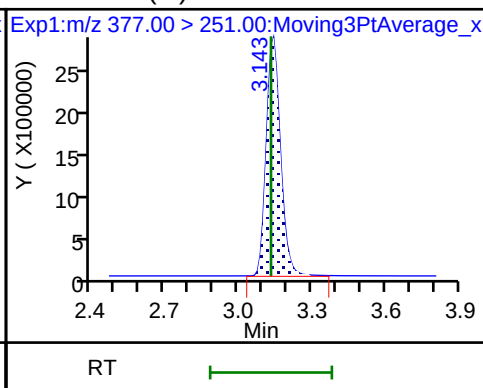
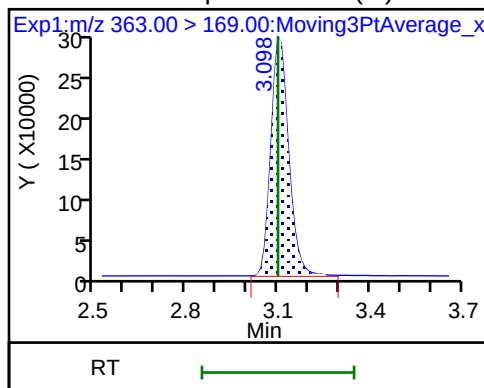
10 Perfluoroheptanoic acid



10 Perfluoroheptanoic acid (M)

77 DONA (M)

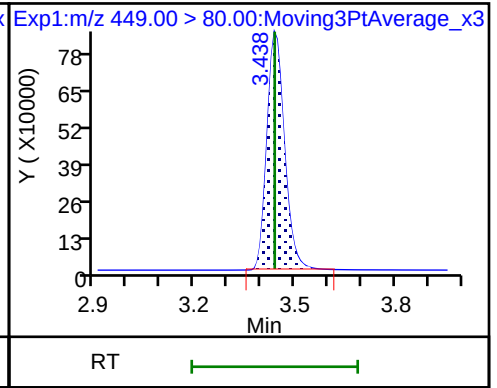
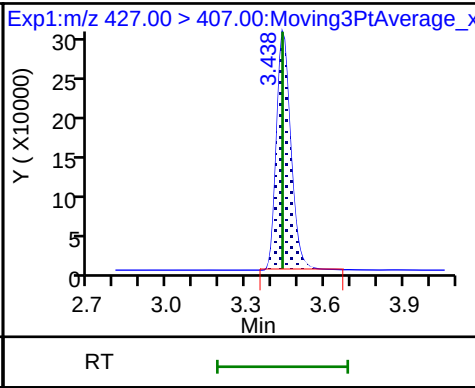
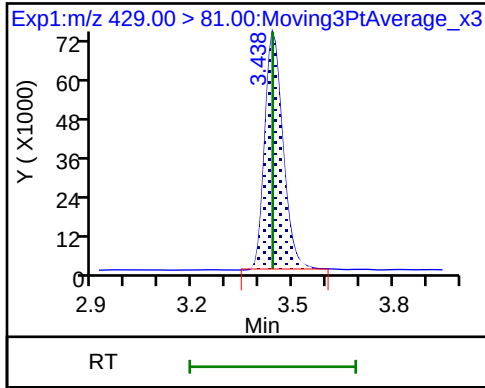
77 DONA (M)



D 12 M2-6:2 FTS

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

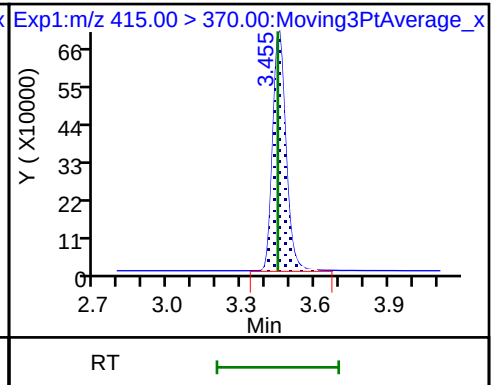
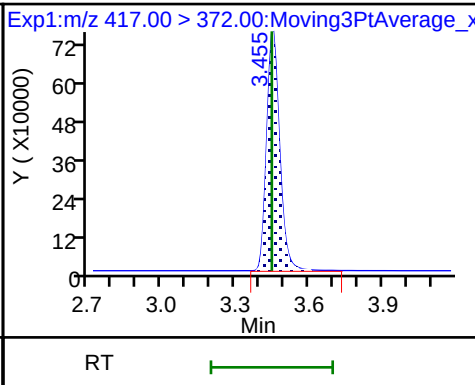
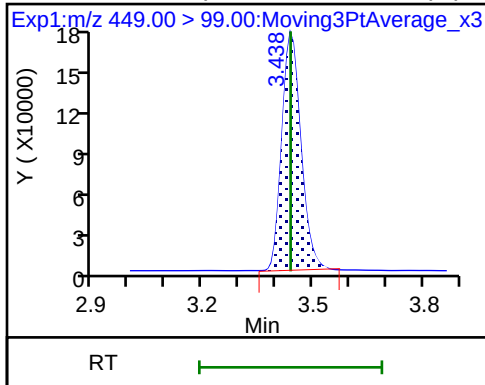
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

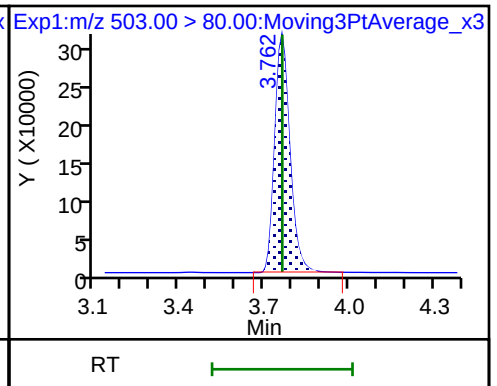
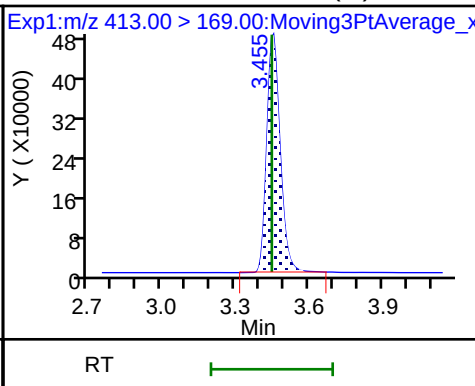
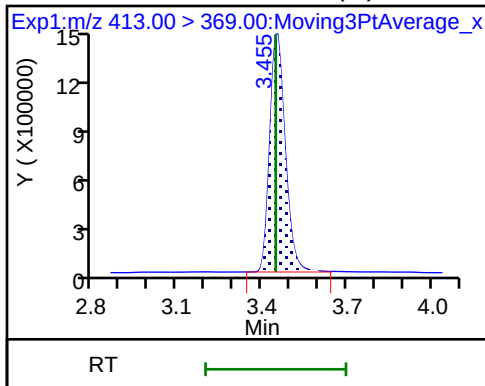
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

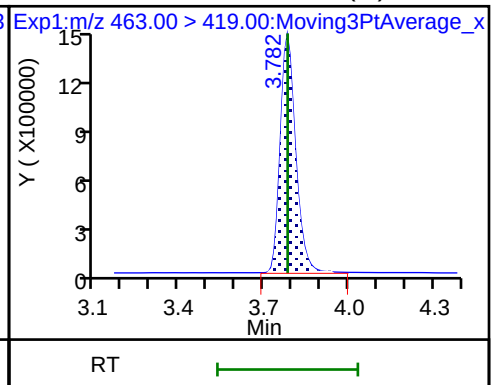
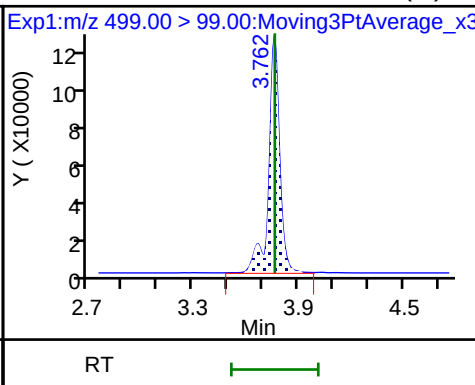
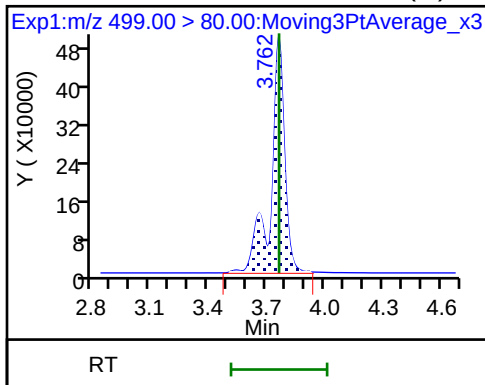
D 18 13C4 PFOS

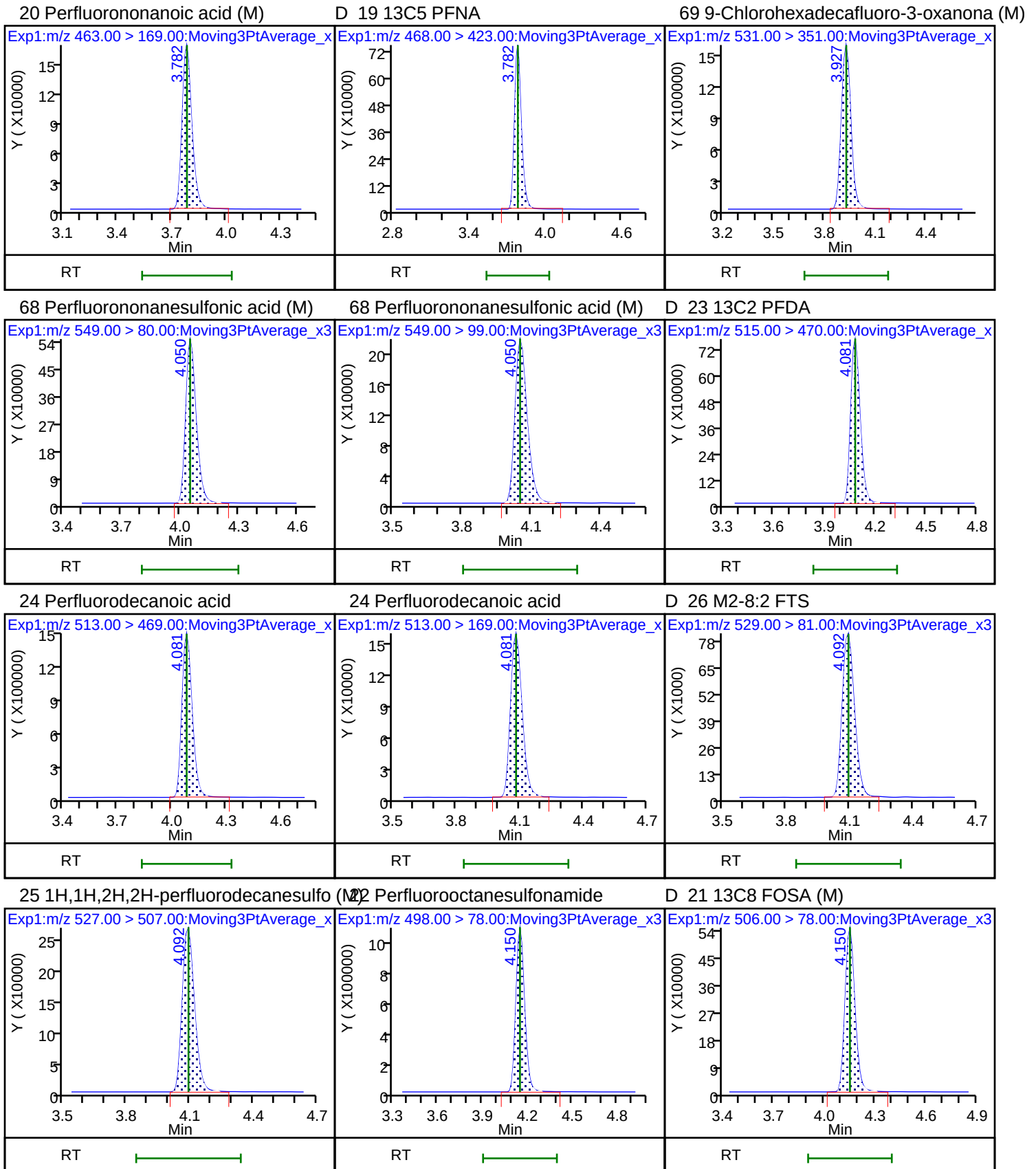


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid (M)

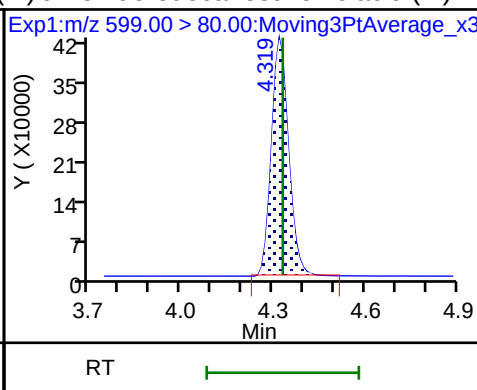
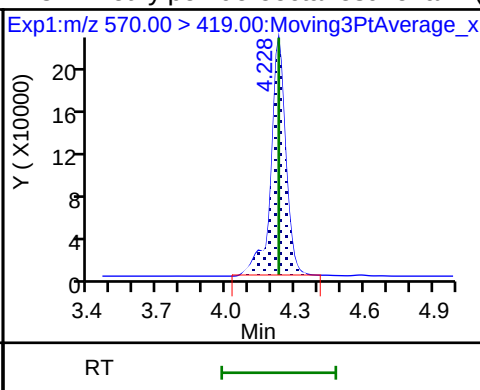
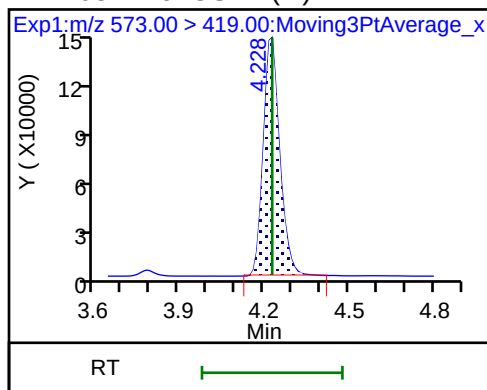




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

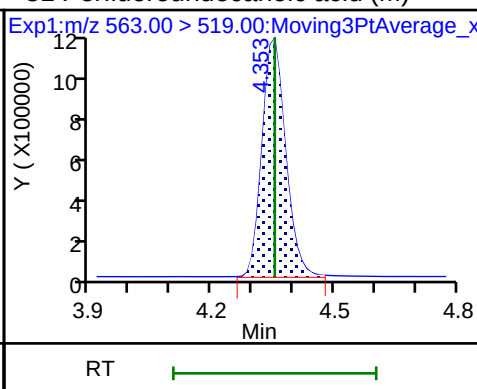
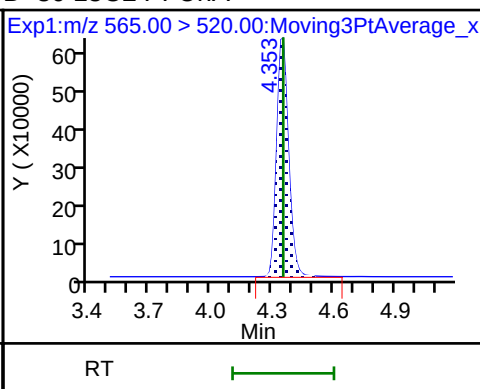
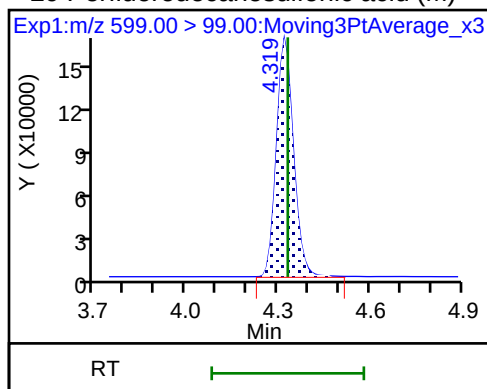
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUoA

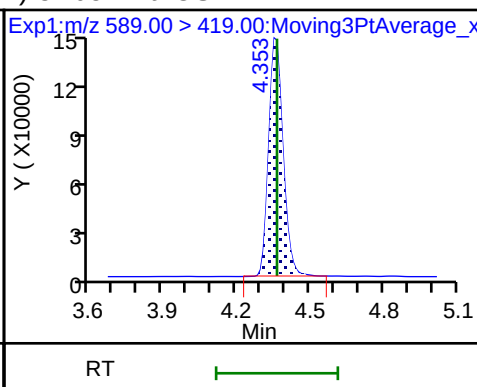
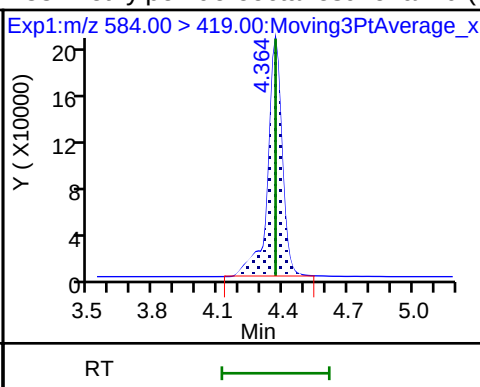
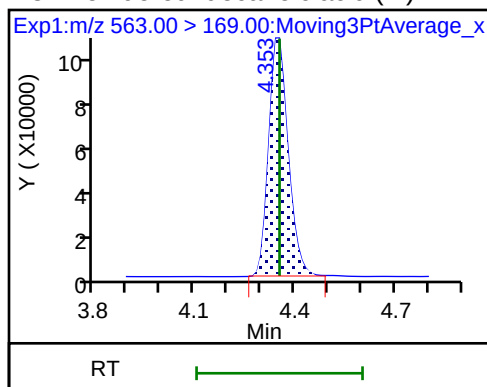
31 Perfluoroundecanoic acid (M)



31 Perfluoroundecanoic acid (M)

33 N-ethylperfluorooctanesulfonamid (M)

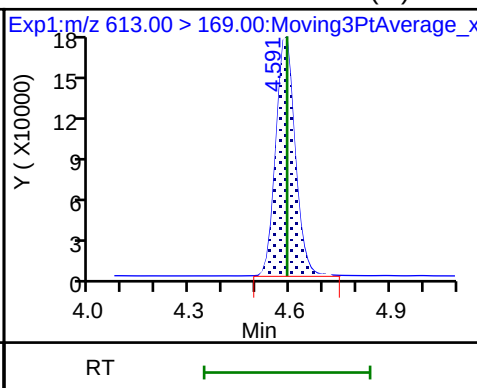
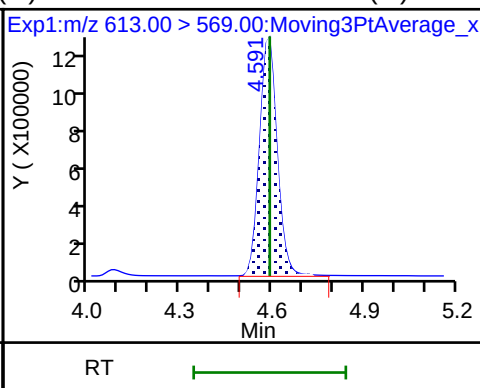
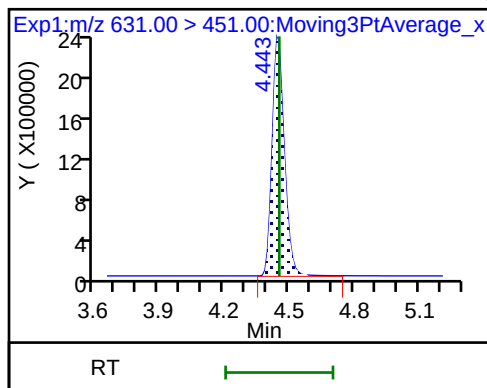
32 d5-NEtFOSAA



66 11-Chloroeicosafluoro-3-oxaundec (M)

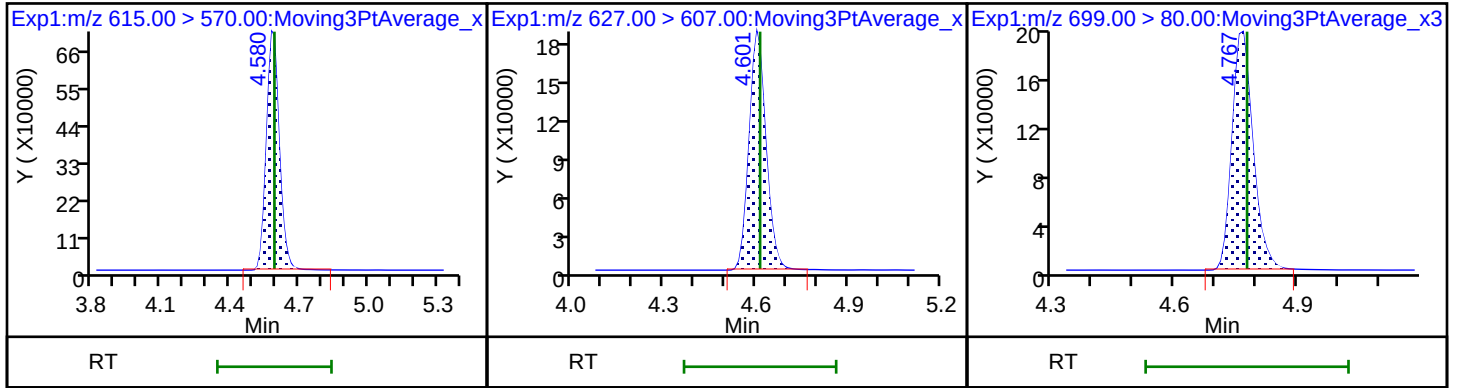
37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid (M)



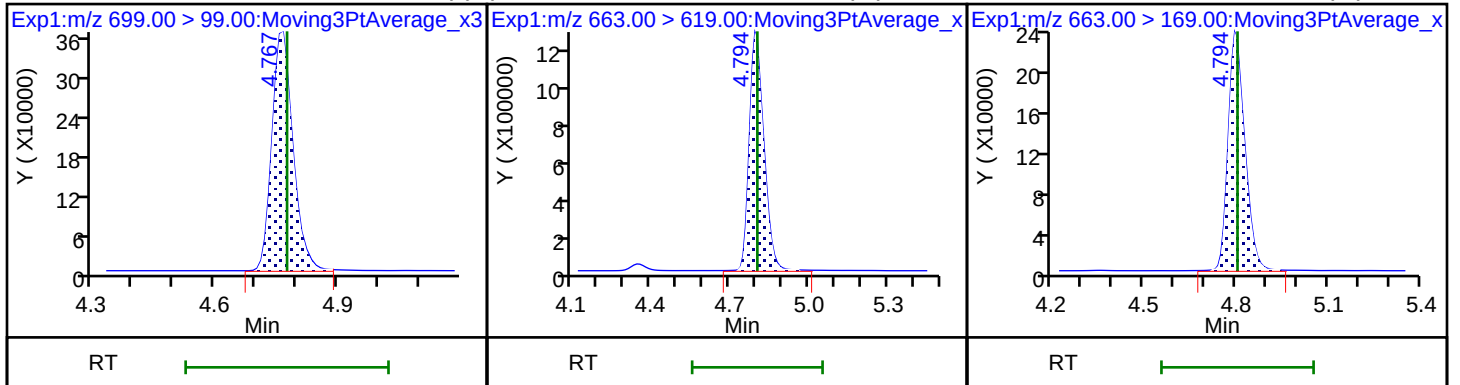
D 36 13C2 PFDaA

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



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

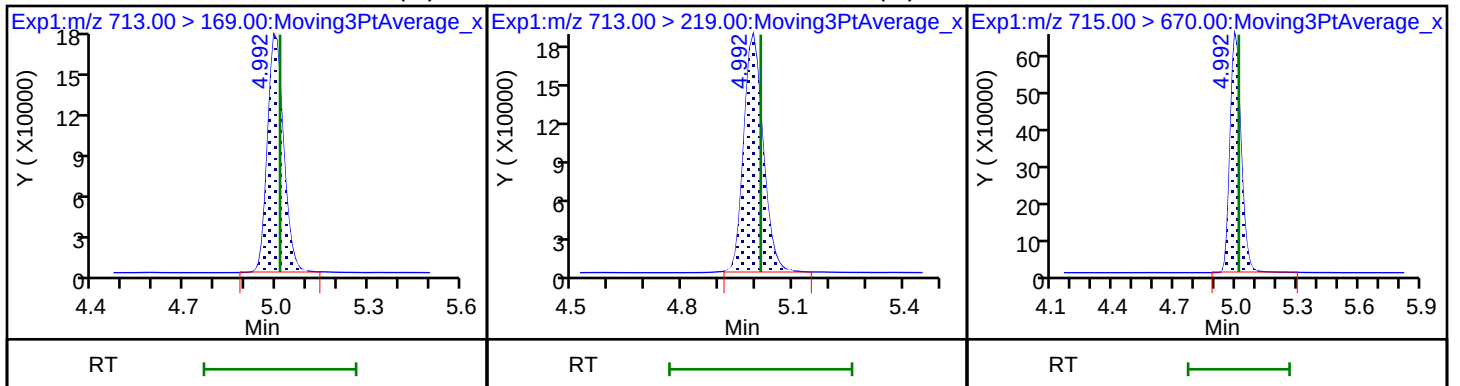
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

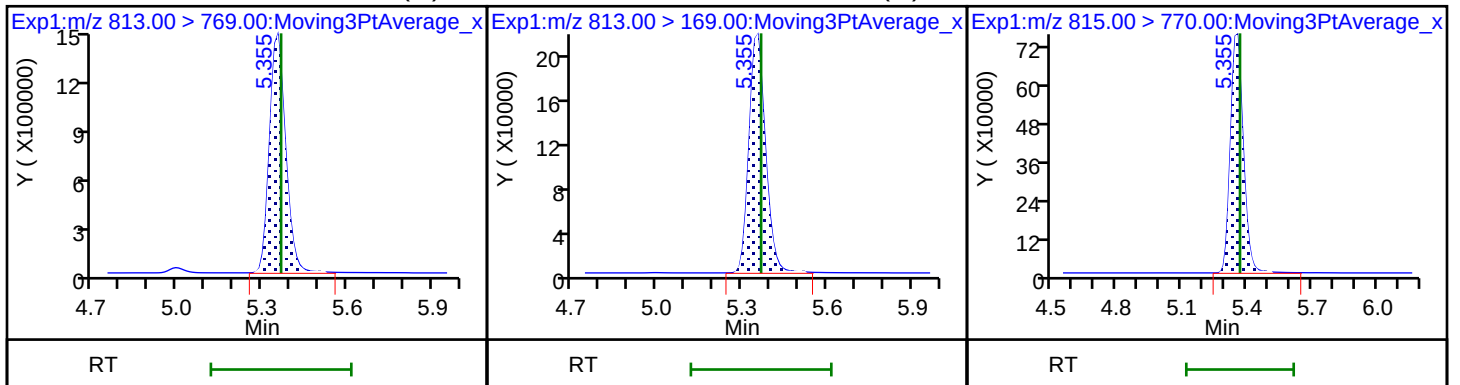
D 43 13C2 PFTeDA



45 Perfluorohexadecanoic acid (M)

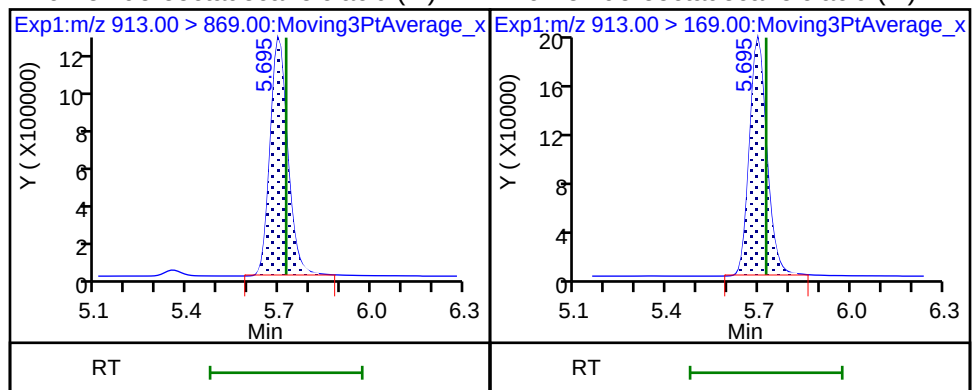
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

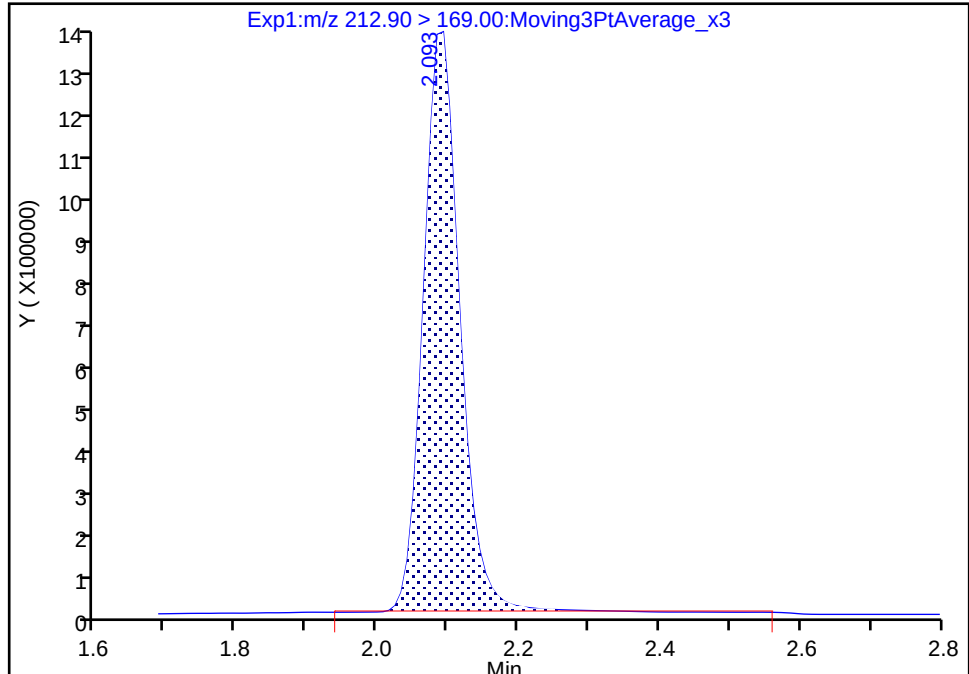
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Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

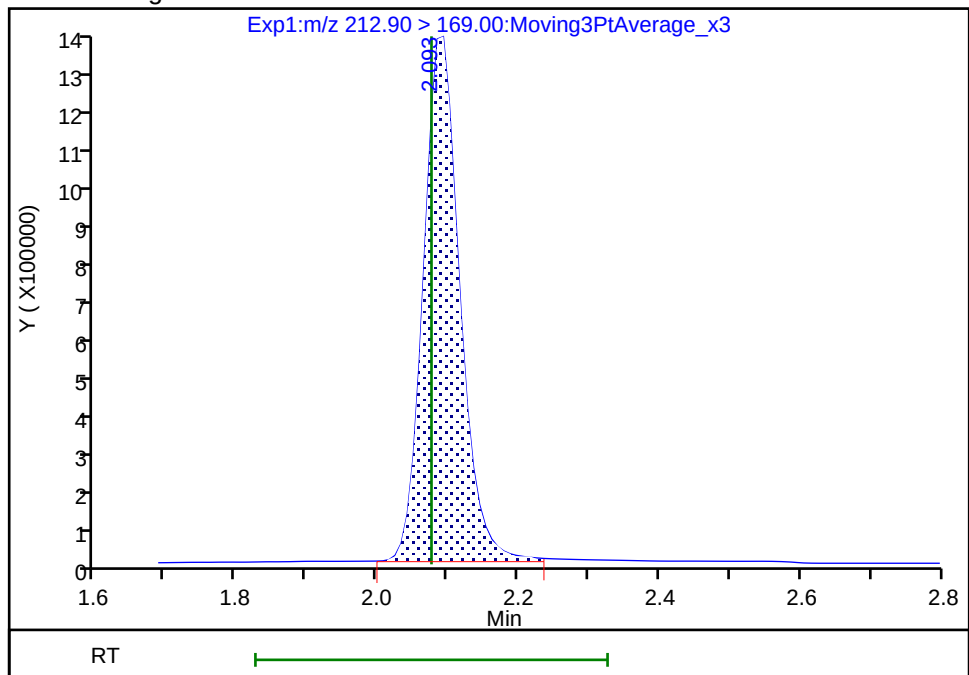
RT: 2.09
Area: 4979772
Amount: 2.248227
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 4936205
Amount: 2.228557
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:52:16

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

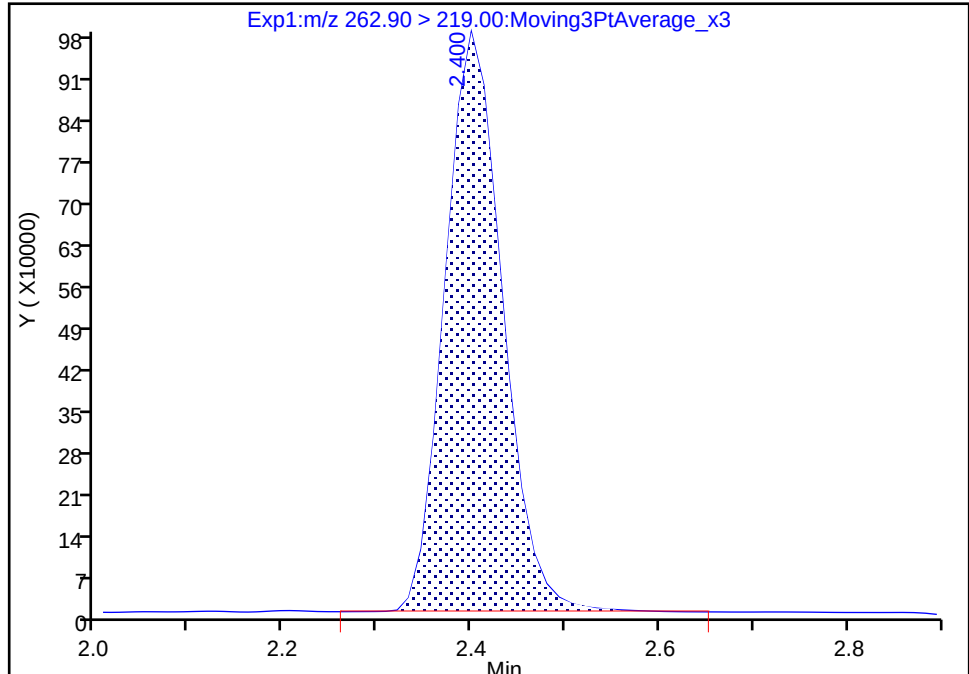
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

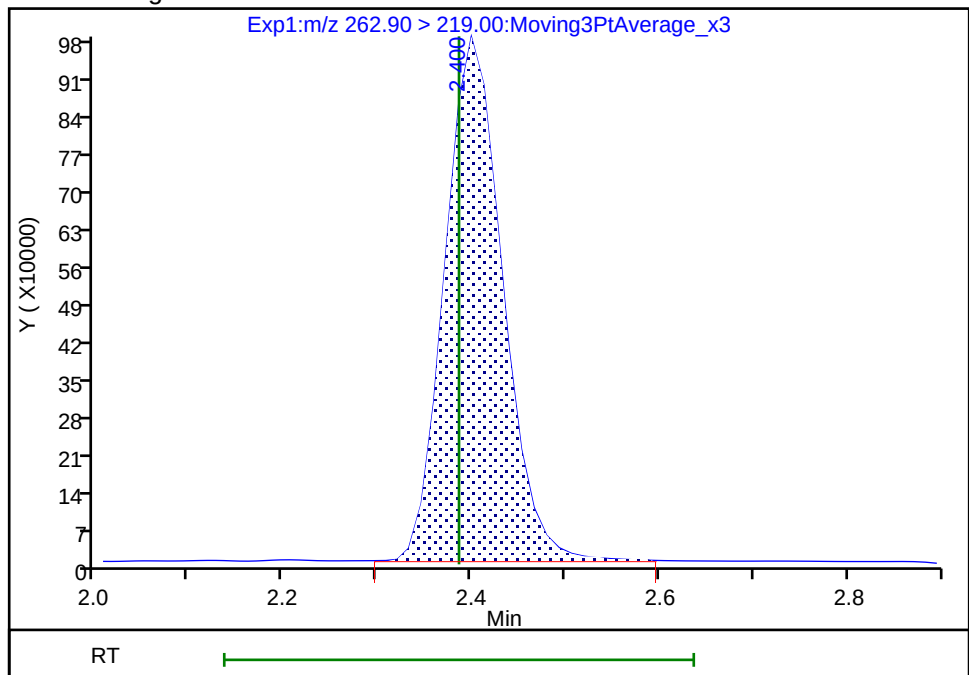
RT: 2.40
Area: 4152794
Amount: 2.274716
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 4138428
Amount: 2.266847
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:52:22

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

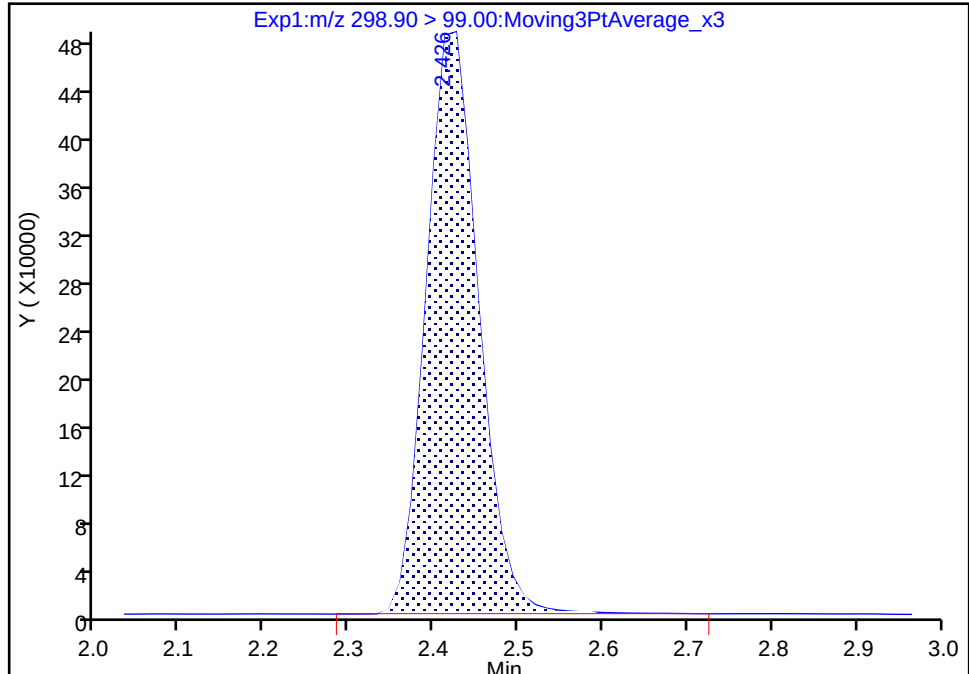
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

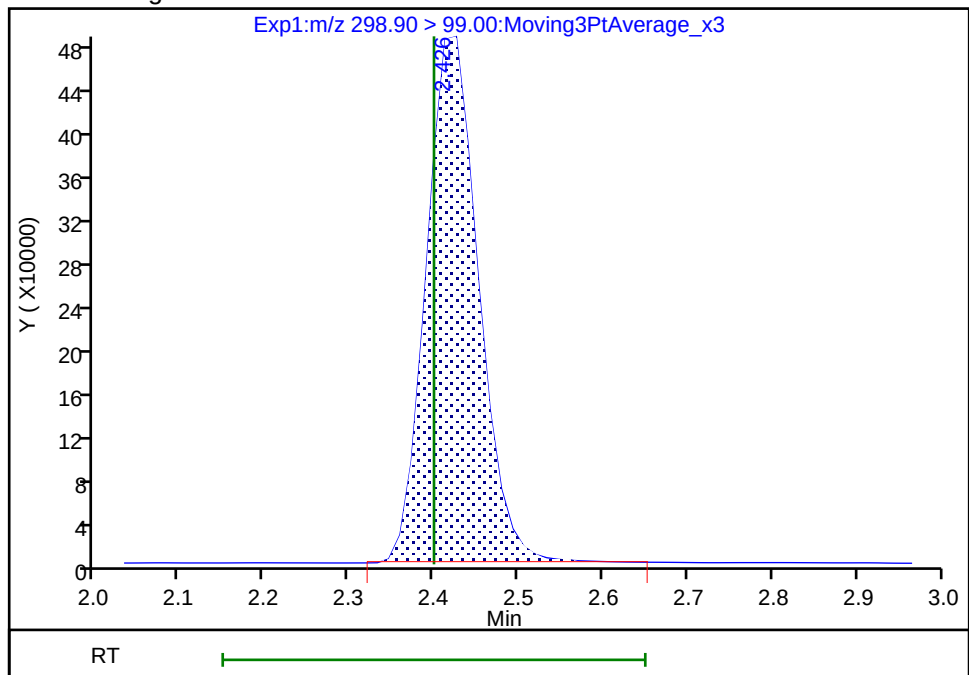
RT: 2.43
Area: 2108829
Amount: 1.987886
Amount Units: ng/ml

Processing Integration Results



RT: 2.43
Area: 2102379
Amount: 1.986490
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:52:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

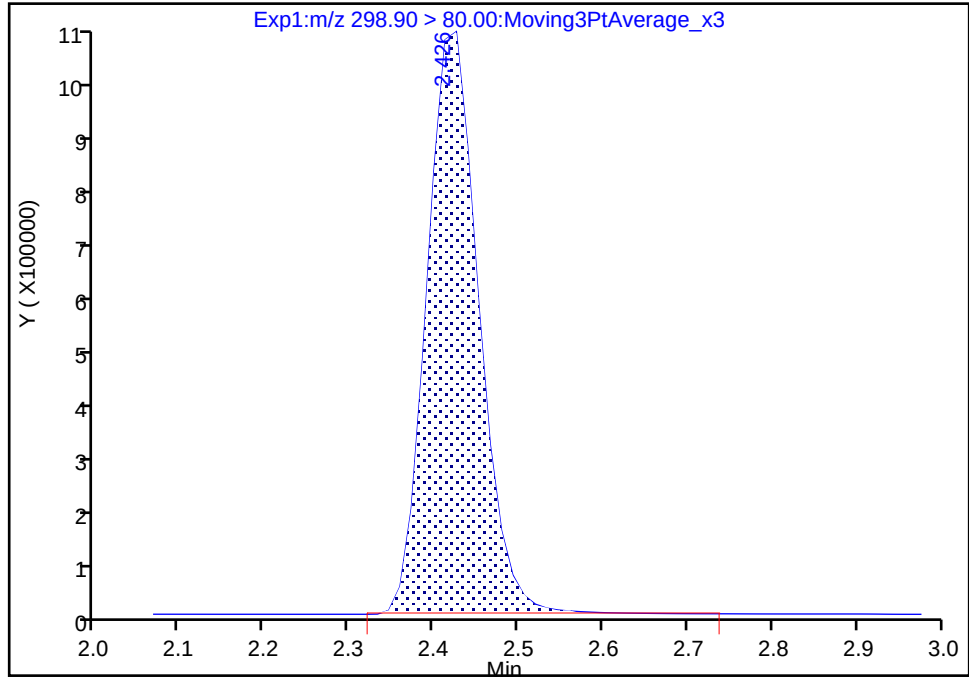
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

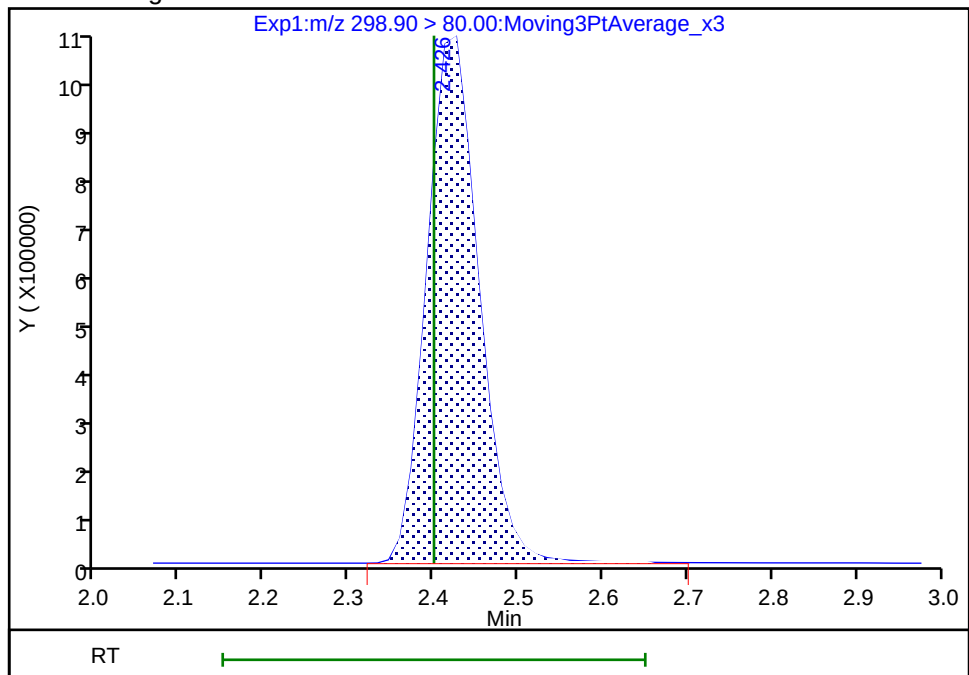
RT: 2.43
Area: 4424599
Amount: 1.987886
Amount Units: ng/ml

Processing Integration Results



RT: 2.43
Area: 4421492
Amount: 1.986490
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:52:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

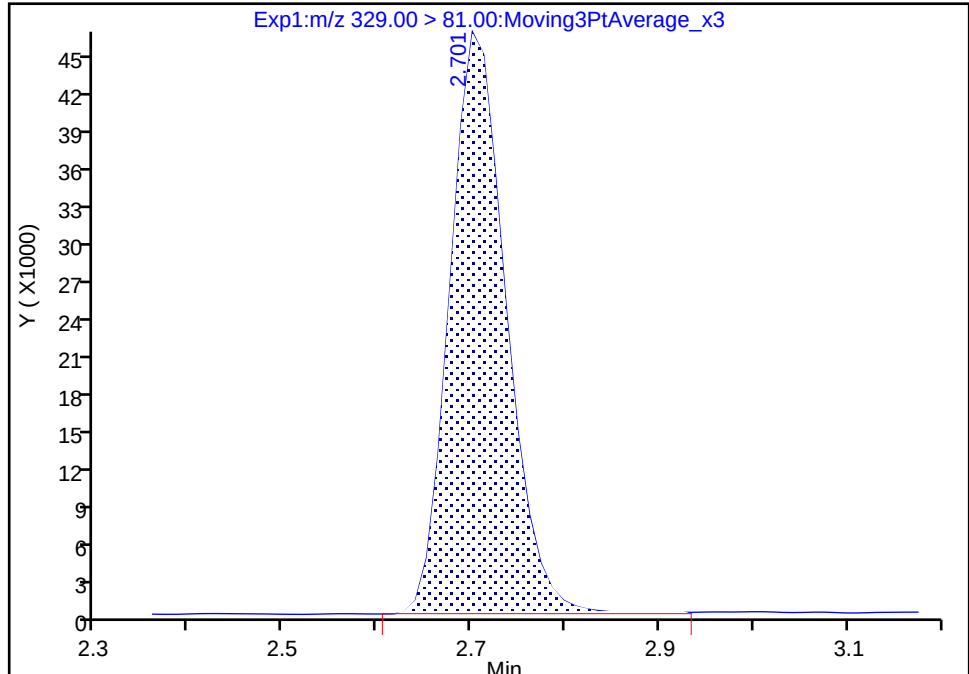
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

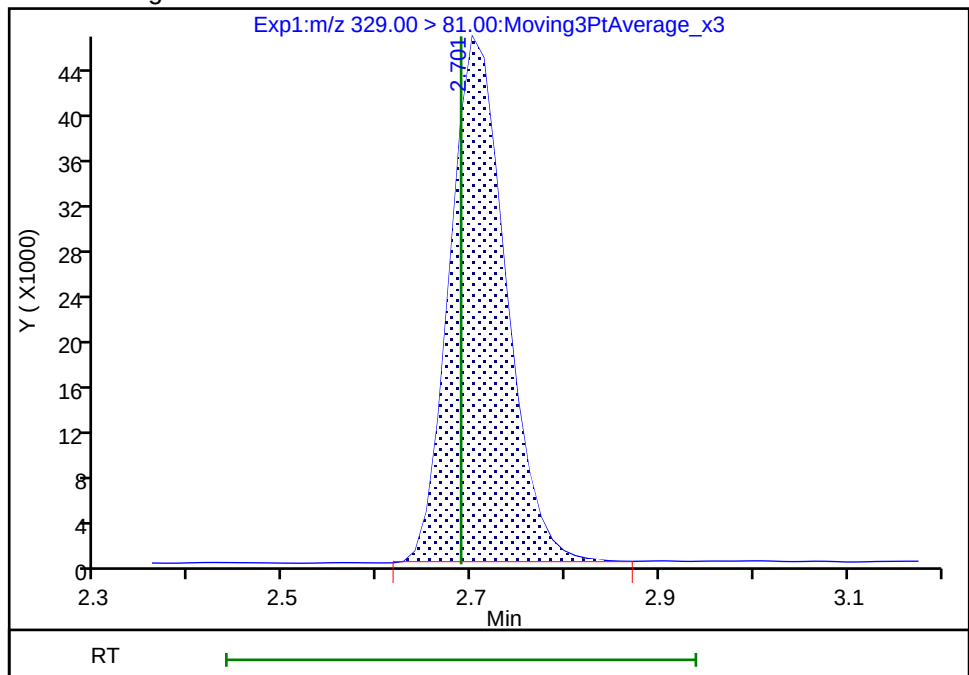
RT: 2.70
Area: 193314
Amount: 1.119389
Amount Units: ng/ml

Processing Integration Results



RT: 2.70
Area: 192901
Amount: 1.116997
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:51:25

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

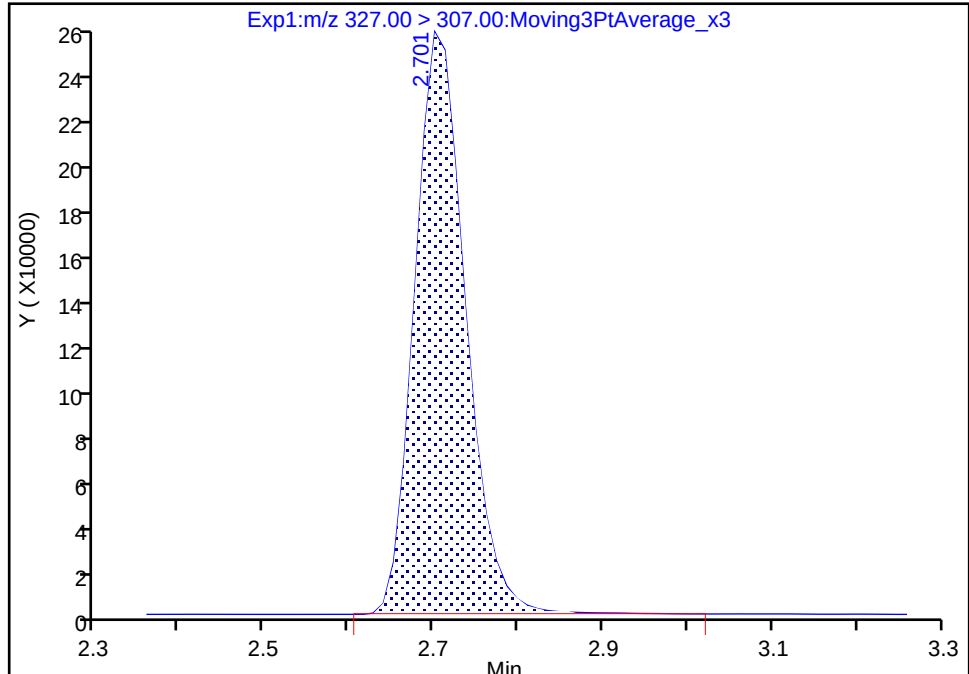
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

61 1H,1H,2H,2H-perfluorohexanesulfo, CAS: 757124-72-4

Signal: 1

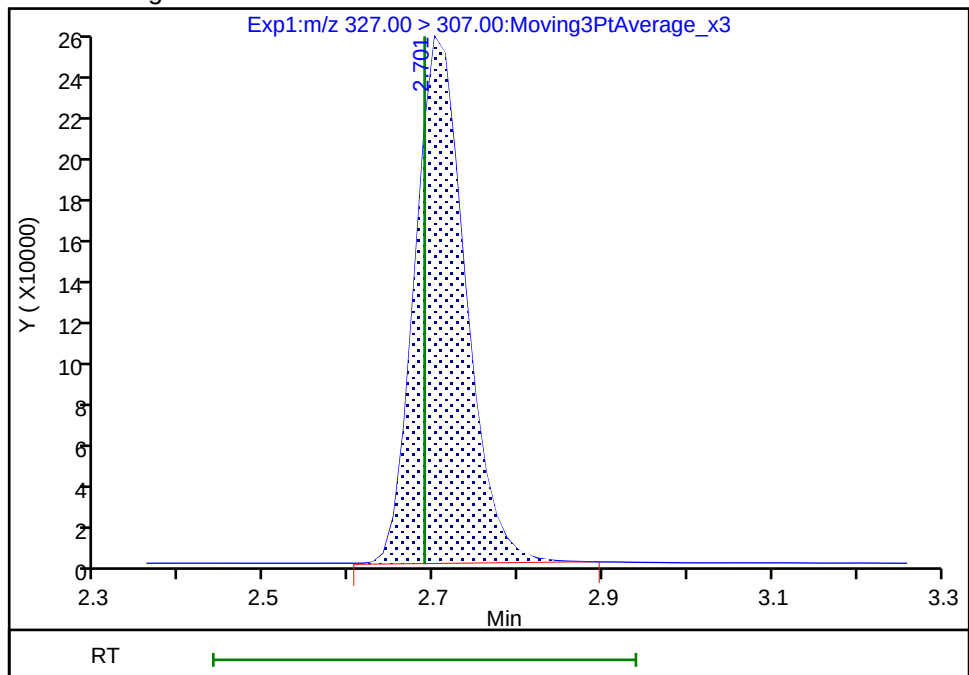
RT: 2.70
Area: 1083616
Amount: 2.128803
Amount Units: ng/ml

Processing Integration Results



RT: 2.70
Area: 1081820
Amount: 2.125275
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:52:51

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

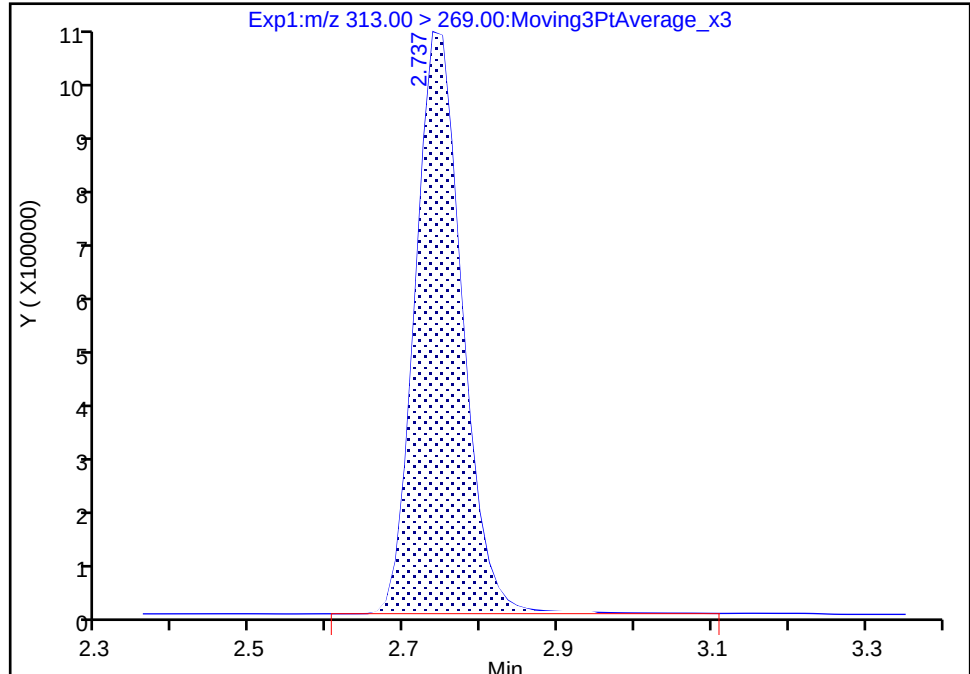
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

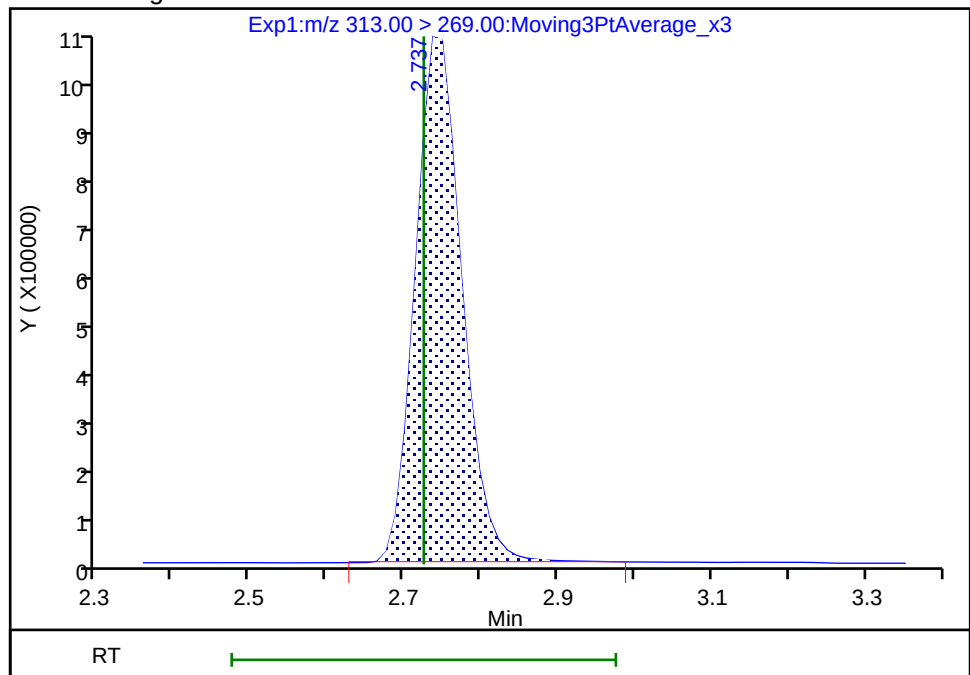
RT: 2.74
Area: 4581560
Amount: 2.376756
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 4564635
Amount: 2.367976
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:53:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

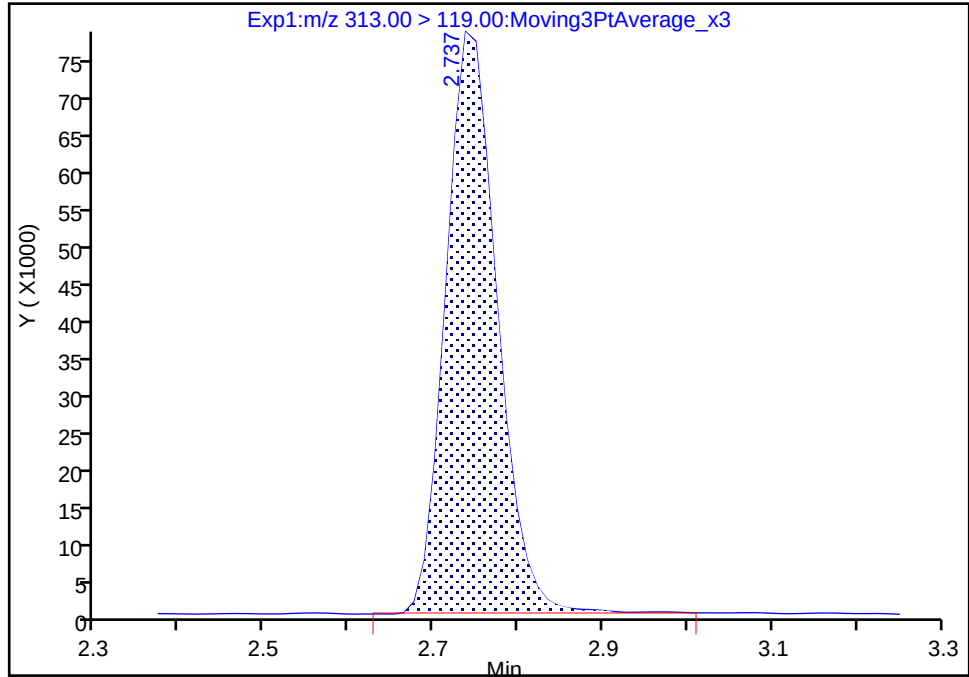
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

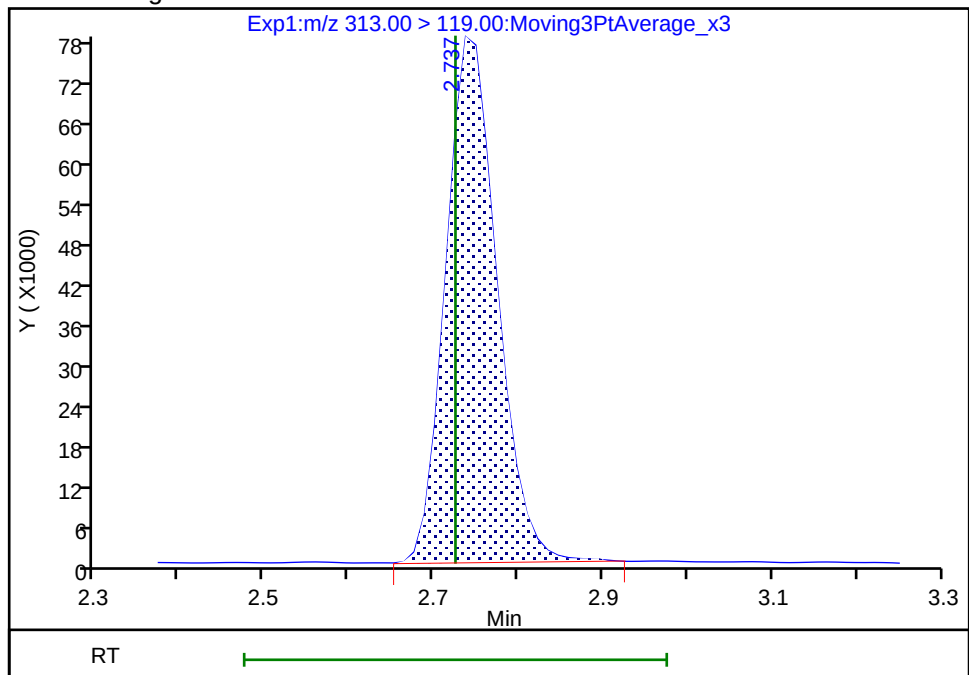
RT: 2.74
Area: 330498
Amount: 2.376756
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 329001
Amount: 2.367976
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:53:04

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

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2:52 PM

Eurofins Burlington

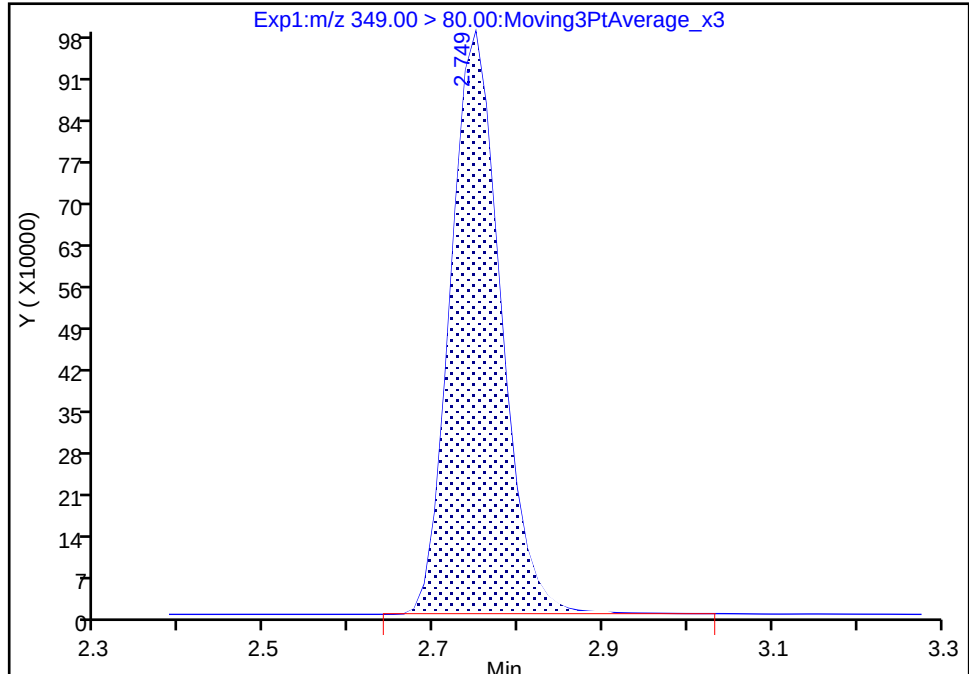
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

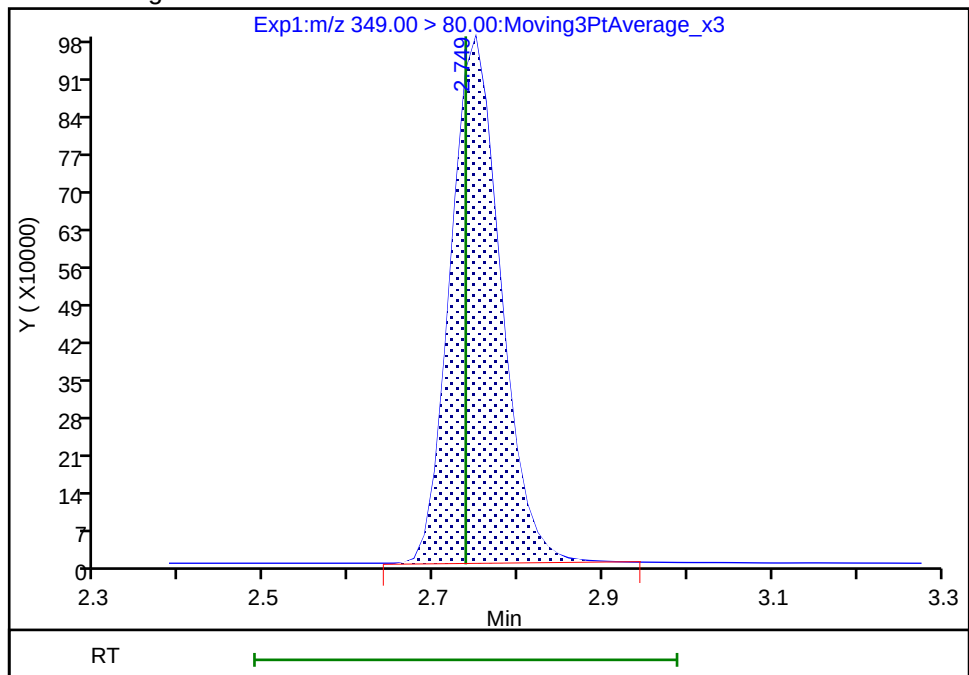
RT: 2.75
Area: 4081767
Amount: 2.079402
Amount Units: ng/ml

Processing Integration Results



RT: 2.75
Area: 4069611
Amount: 2.073209
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:53:14

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

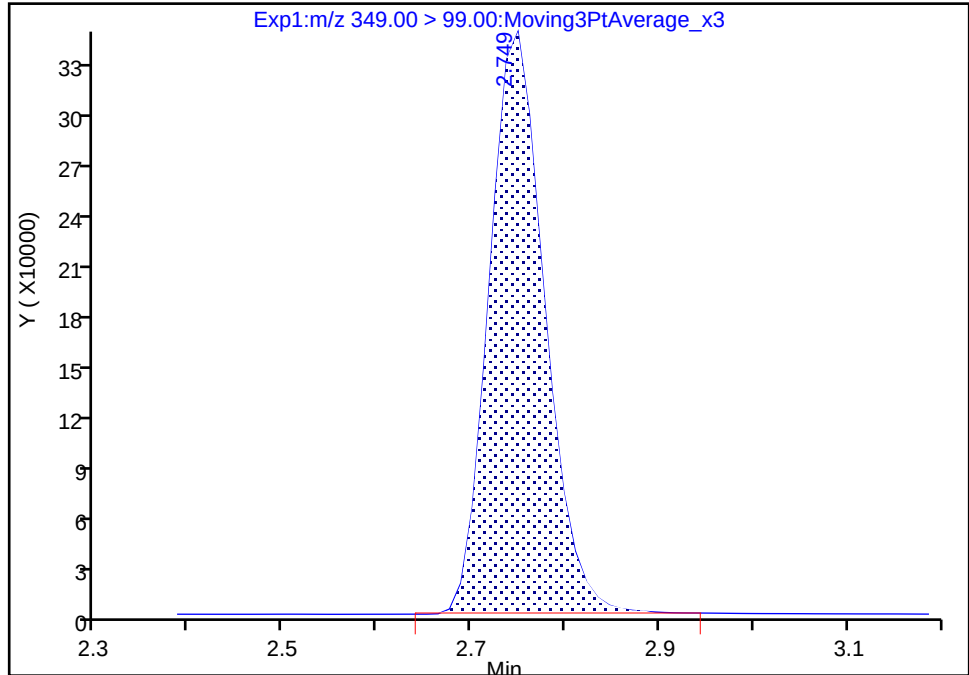
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 2

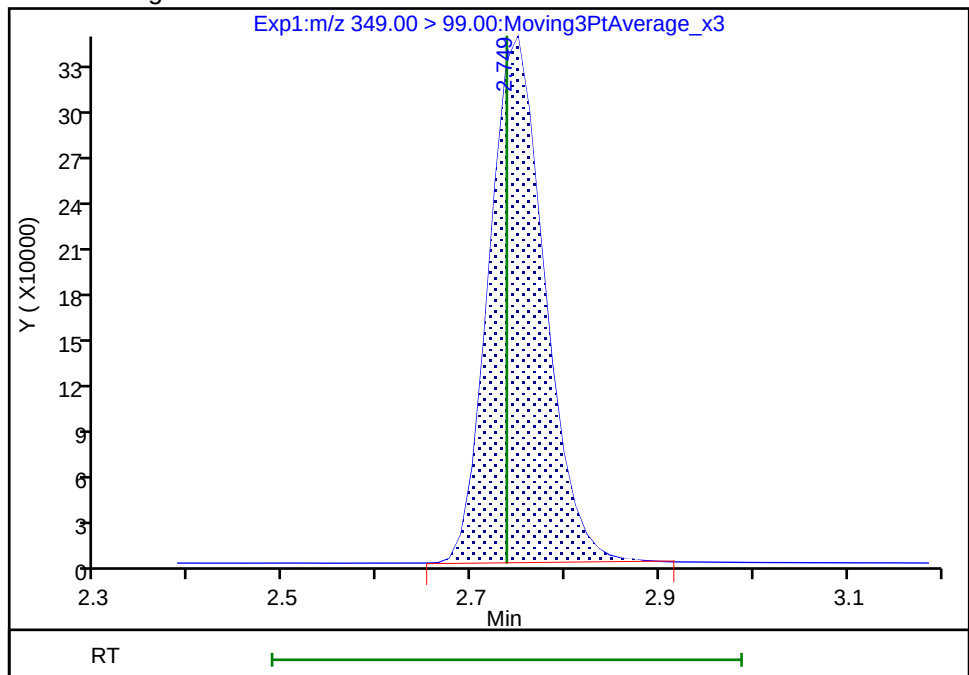
RT: 2.75
Area: 1399090
Amount: 2.079402
Amount Units: ng/ml

Processing Integration Results



RT: 2.75
Area: 1397191
Amount: 2.073209
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:53:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

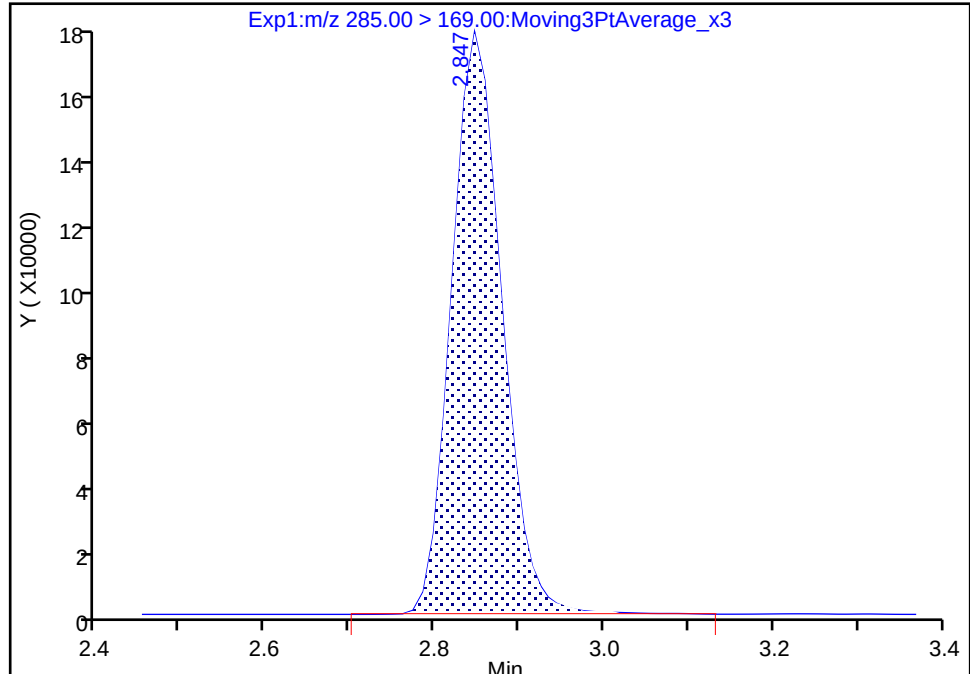
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

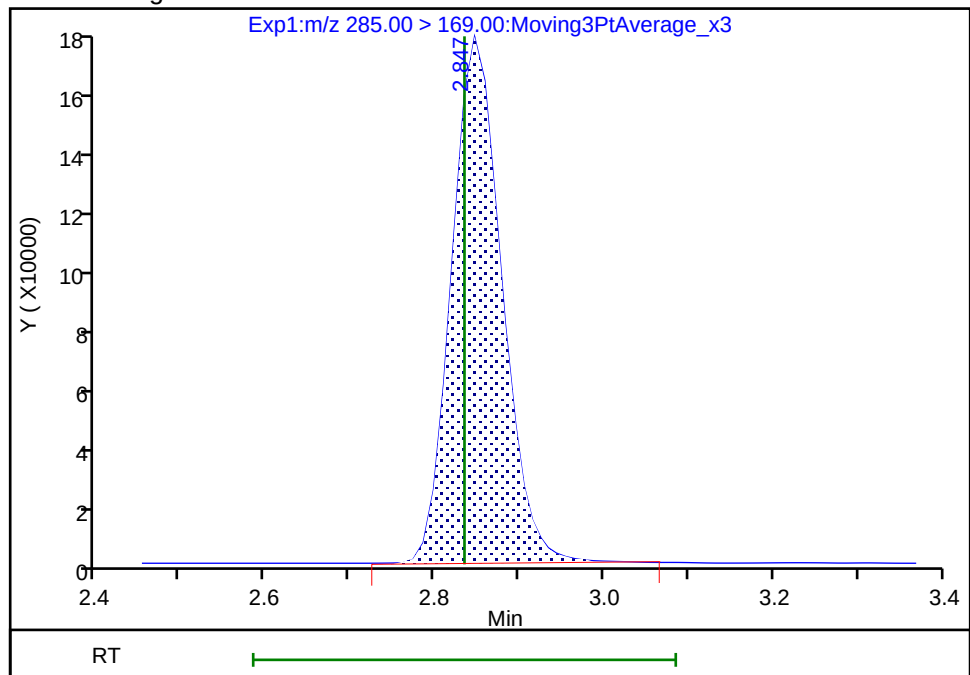
RT: 2.85
Area: 743153
Amount: 2.323926
Amount Units: ng/ml

Processing Integration Results



RT: 2.85
Area: 739453
Amount: 2.312356
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:53:30

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

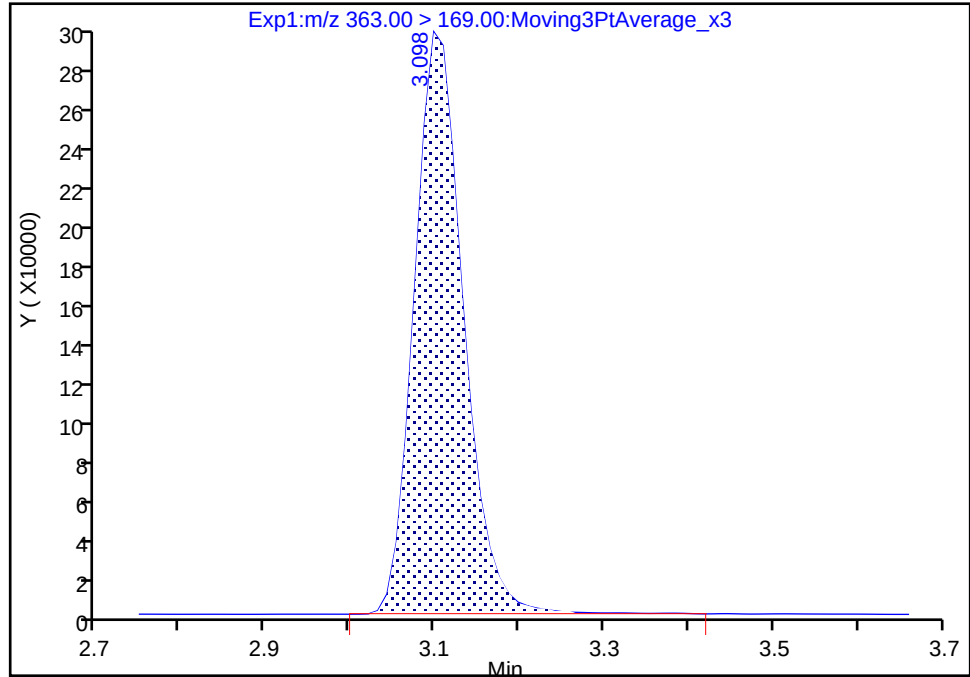
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

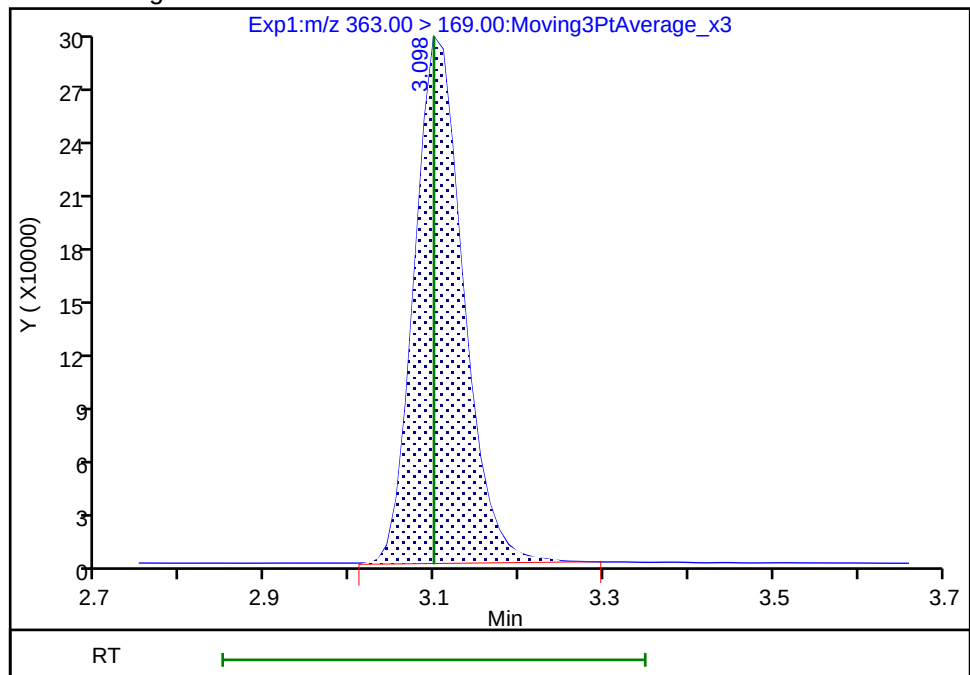
RT: 3.10
Area: 1192949
Amount: 2.230393
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 1185591
Amount: 2.230393
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:53:51

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

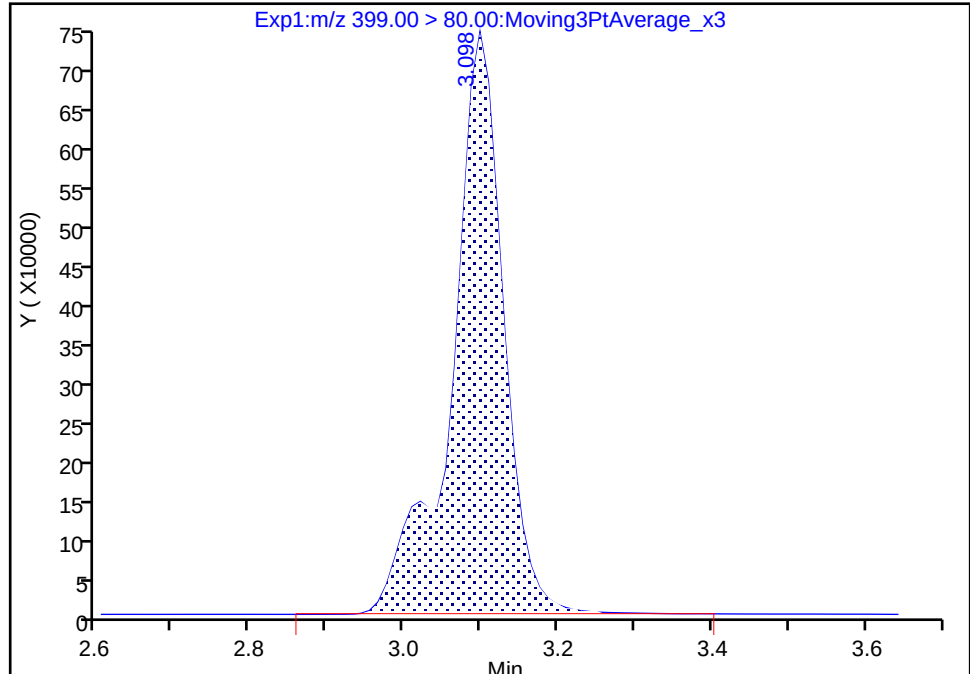
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

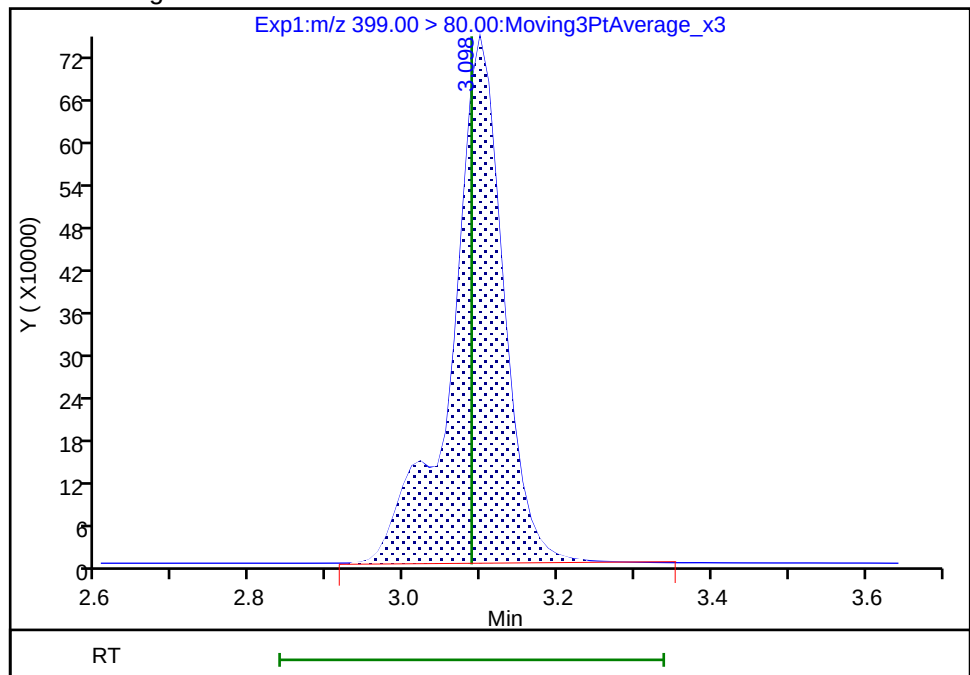
RT: 3.10
Area: 3508959
Amount: 2.115099
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 3504701
Amount: 2.112532
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:53:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

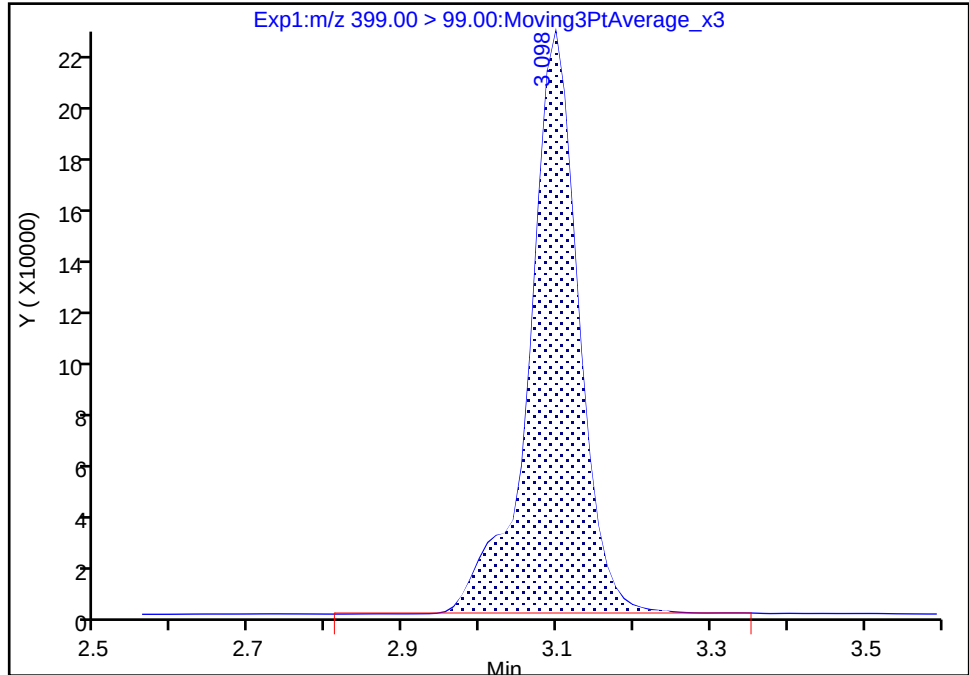
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

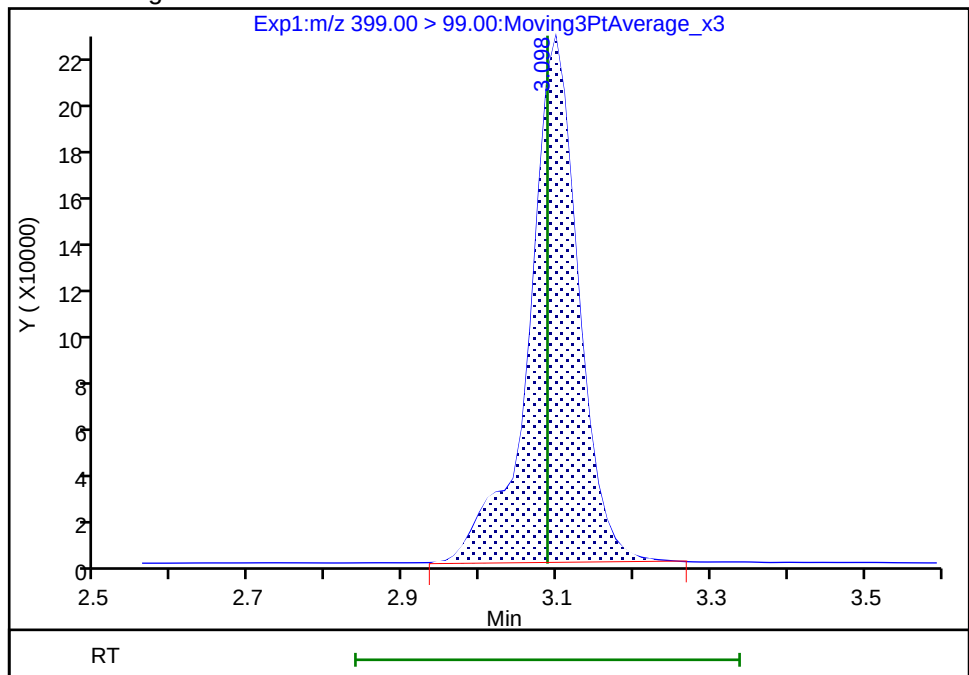
RT: 3.10
Area: 1013892
Amount: 2.115099
Amount Units: ng/ml

Processing Integration Results



Manual Integration Results

RT: 3.10
Area: 1010234
Amount: 2.112532
Amount Units: ng/ml



Reviewer: khanphomeea, 20-Dec-2022 09:53:45

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

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2:52 PM

Eurofins Burlington

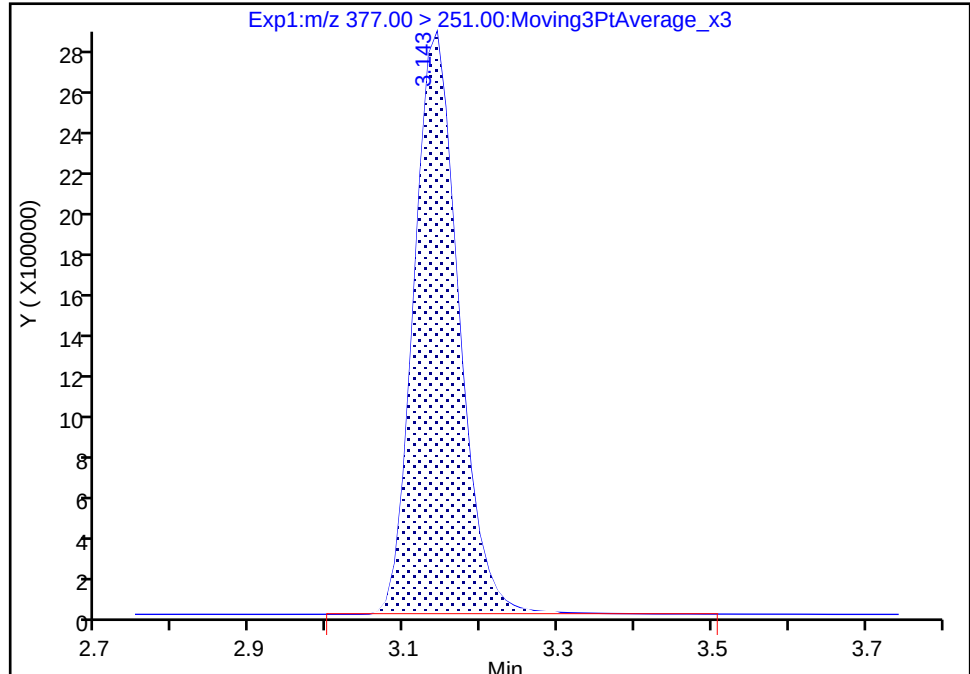
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 1

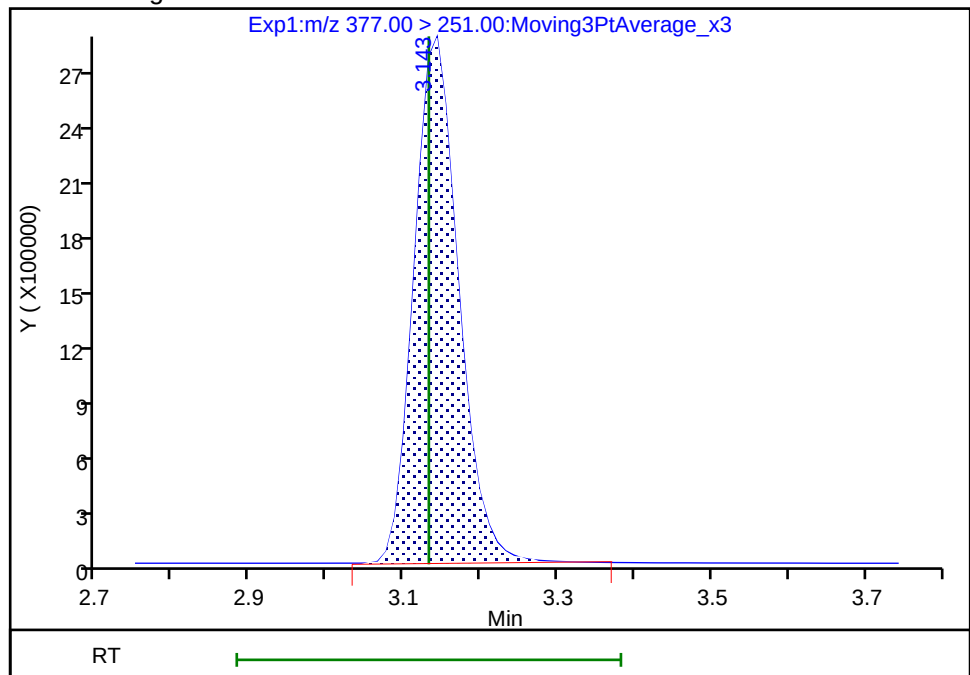
RT: 3.14
Area: 11681846
Amount: 2.168156
Amount Units: ng/ml

Processing Integration Results



RT: 3.14
Area: 11640302
Amount: 2.160445
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:53:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d

Injection Date: 19-Dec-2022 19:58:16

Instrument ID: LC812

Lims ID: CCV L5

Client ID:

Operator ID: lc812tech

ALS Bottle#:

14

Worklist Smp#: 14

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

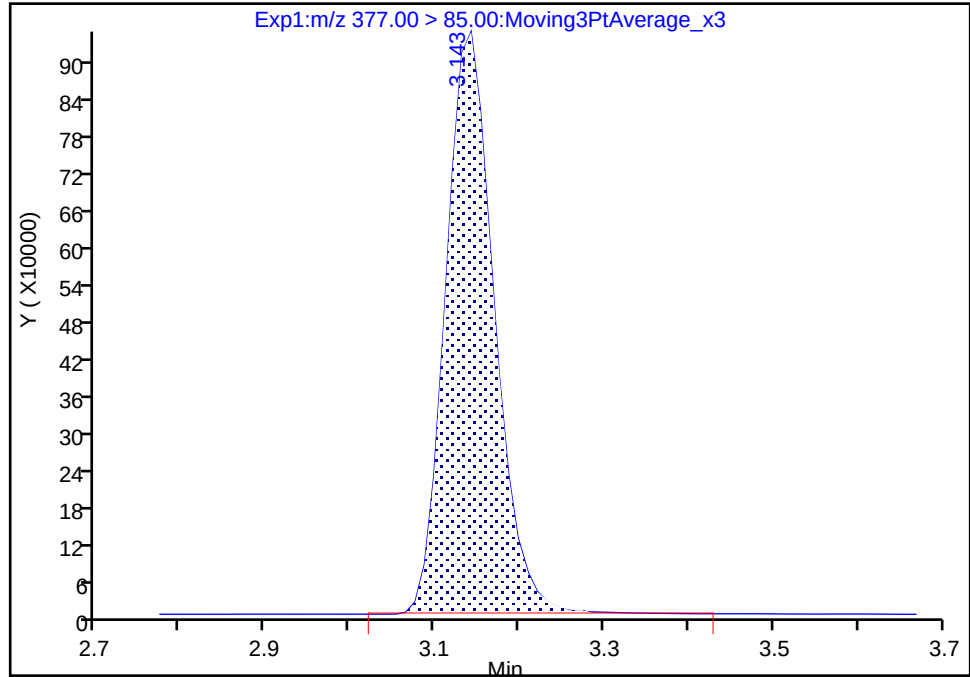
EXP1

77 DONA, CAS: 919005-14-4

Signal: 2

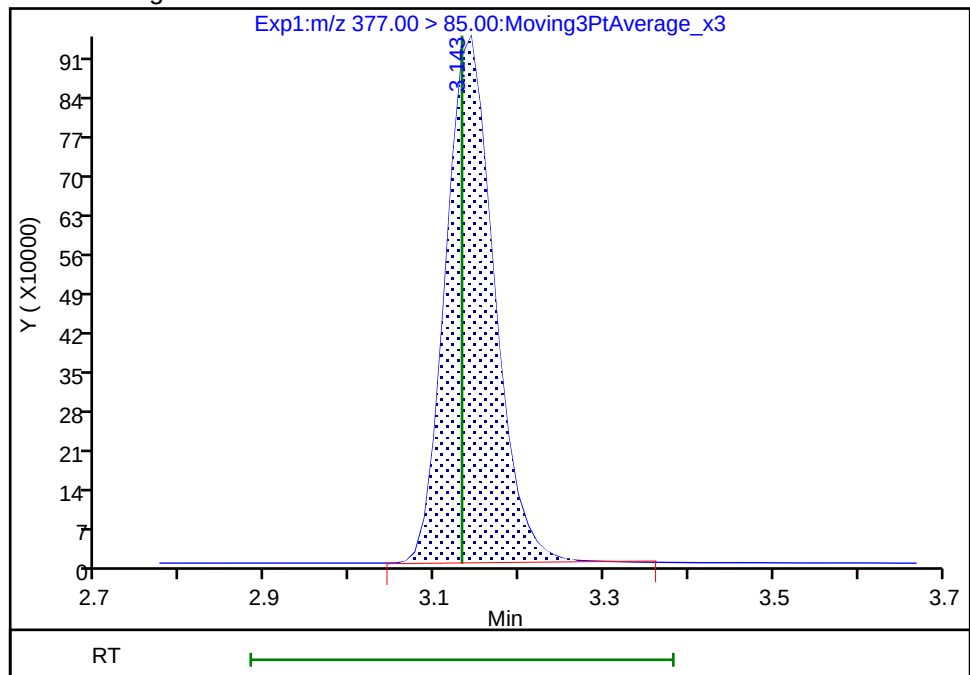
RT: 3.14
Area: 3786646
Amount: 2.168156
Amount Units: ng/ml

Processing Integration Results



RT: 3.14
Area: 3777017
Amount: 2.160445
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:54:06

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

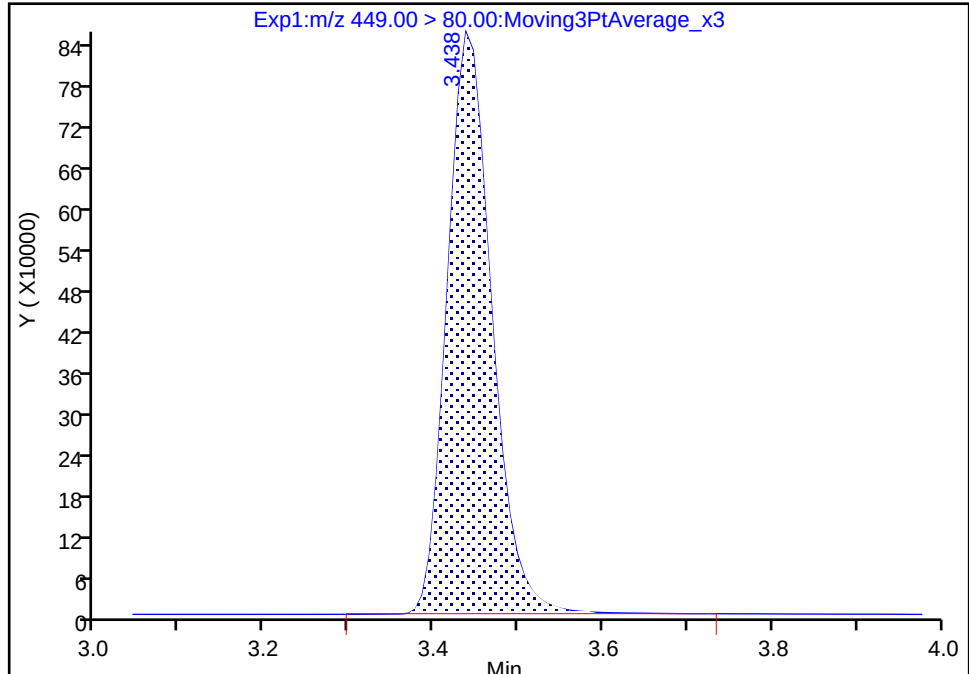
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

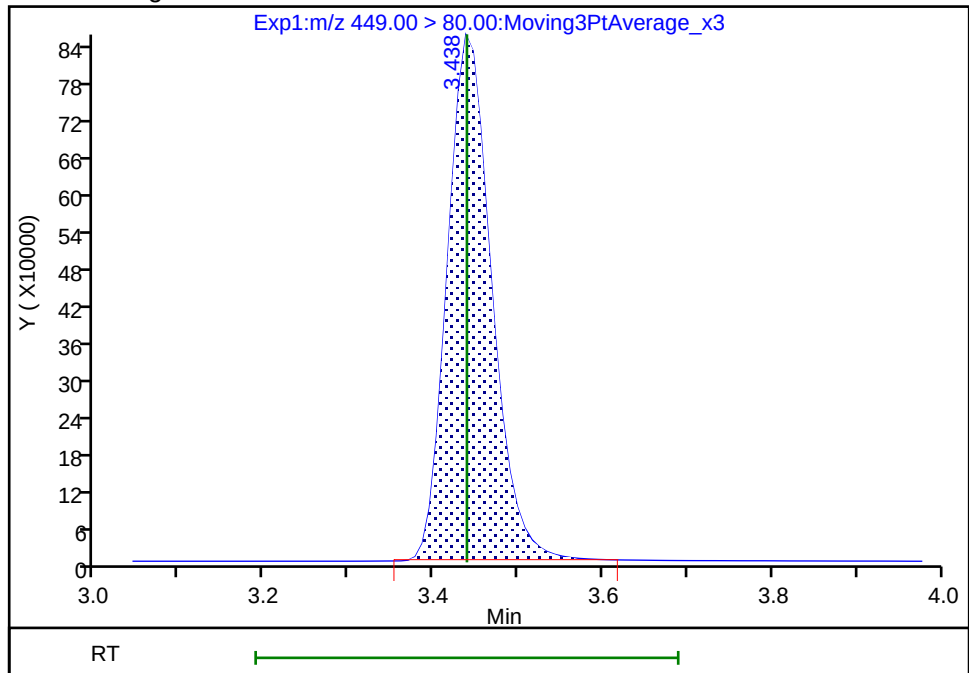
RT: 3.44
Area: 3113916
Amount: 2.278757
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 3095730
Amount: 2.265449
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:54:23

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

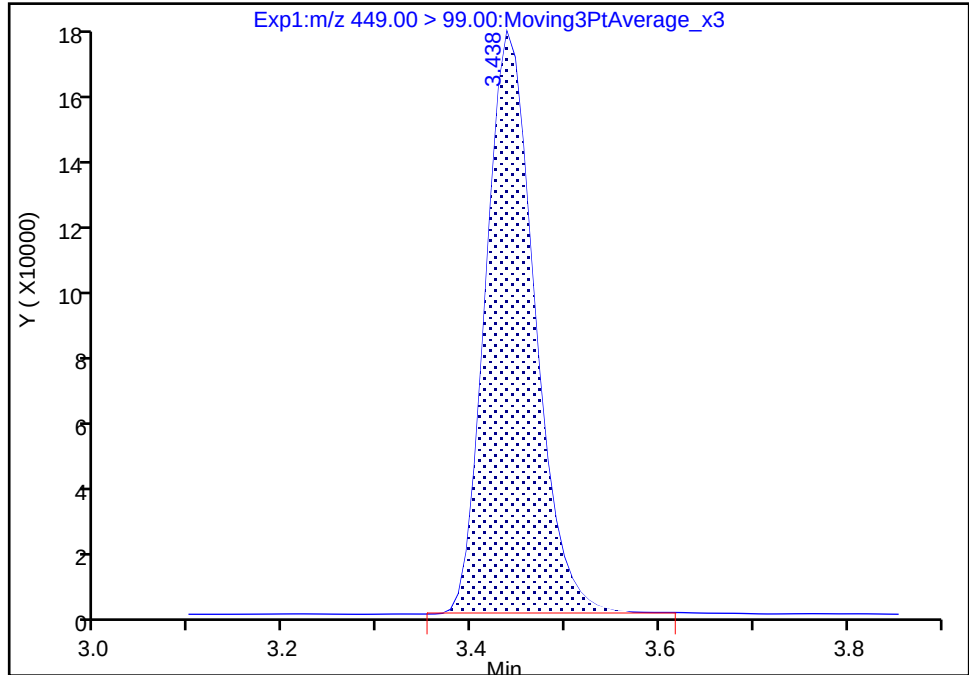
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

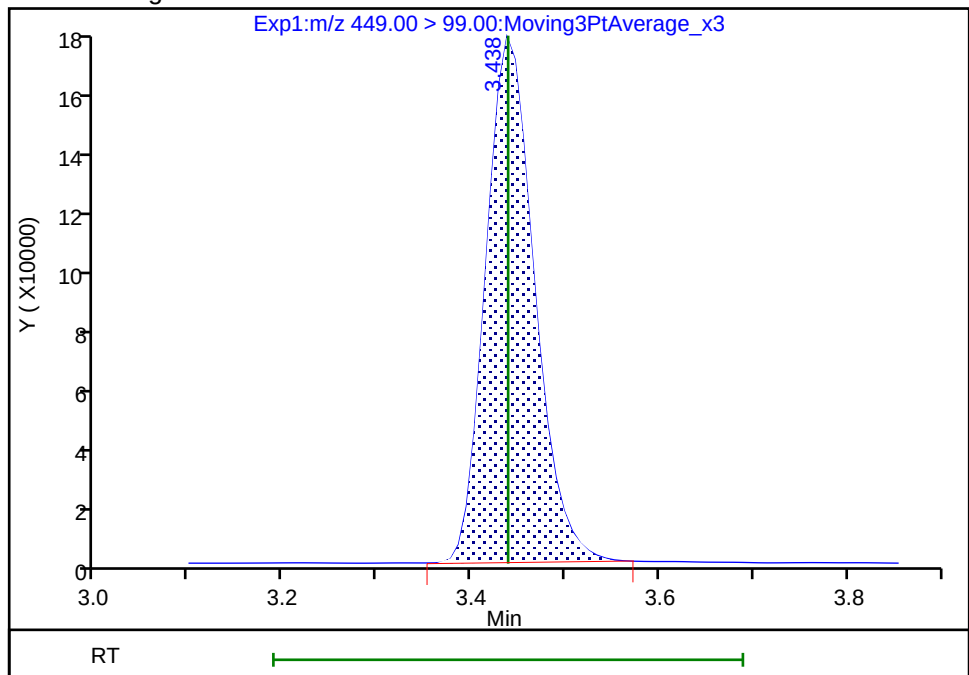
RT: 3.44
Area: 634199
Amount: 2.278757
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 632649
Amount: 2.265449
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:54:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

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2:52 PM

Eurofins Burlington

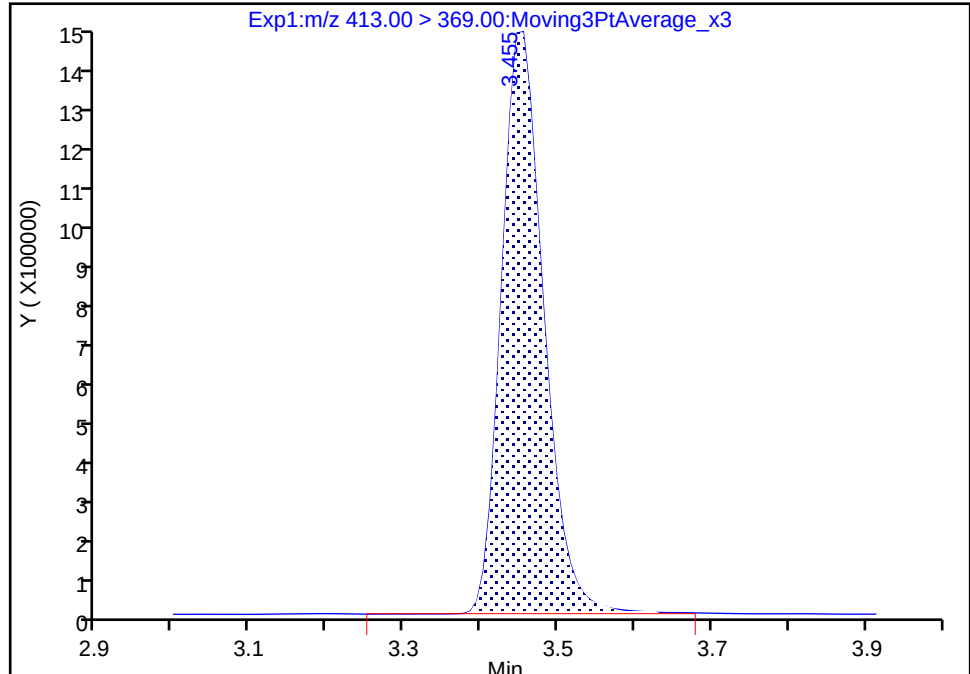
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

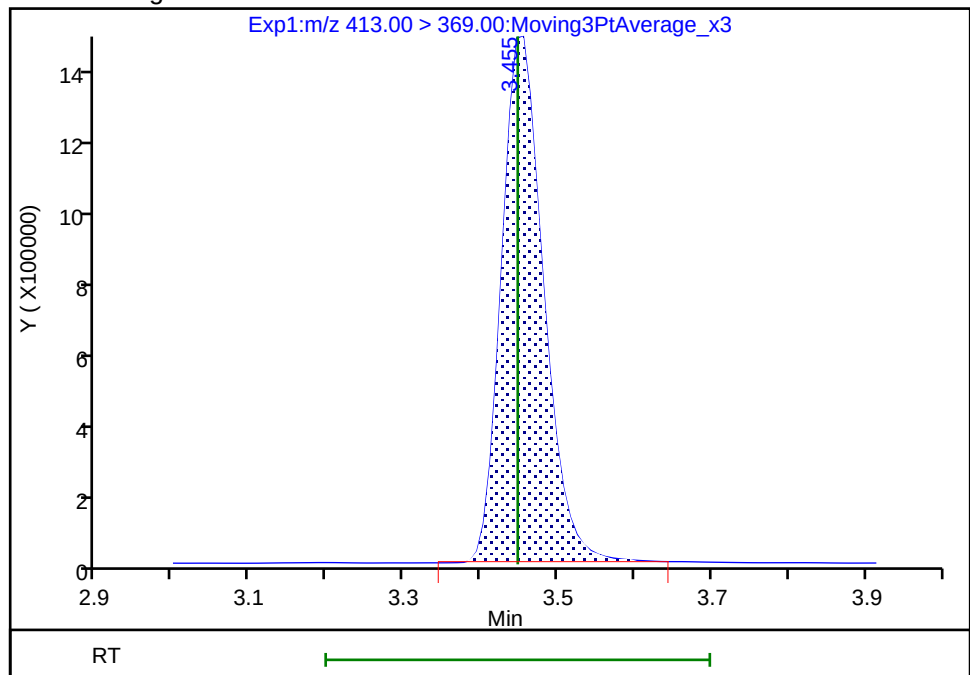
RT: 3.45
Area: 5414450
Amount: 2.271462
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 5399347
Amount: 2.265126
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:54:40

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

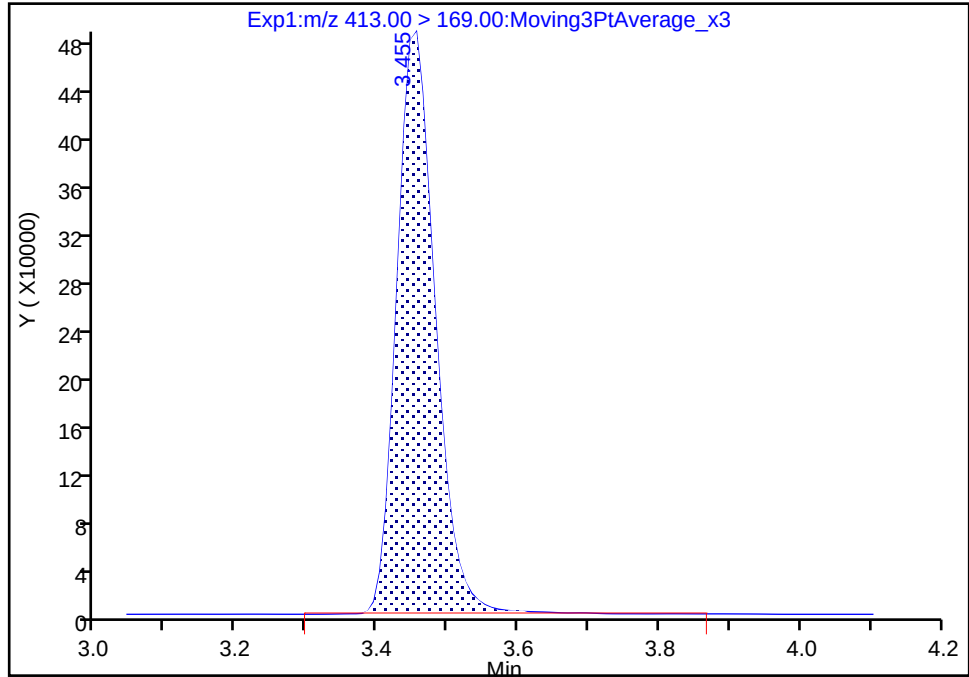
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

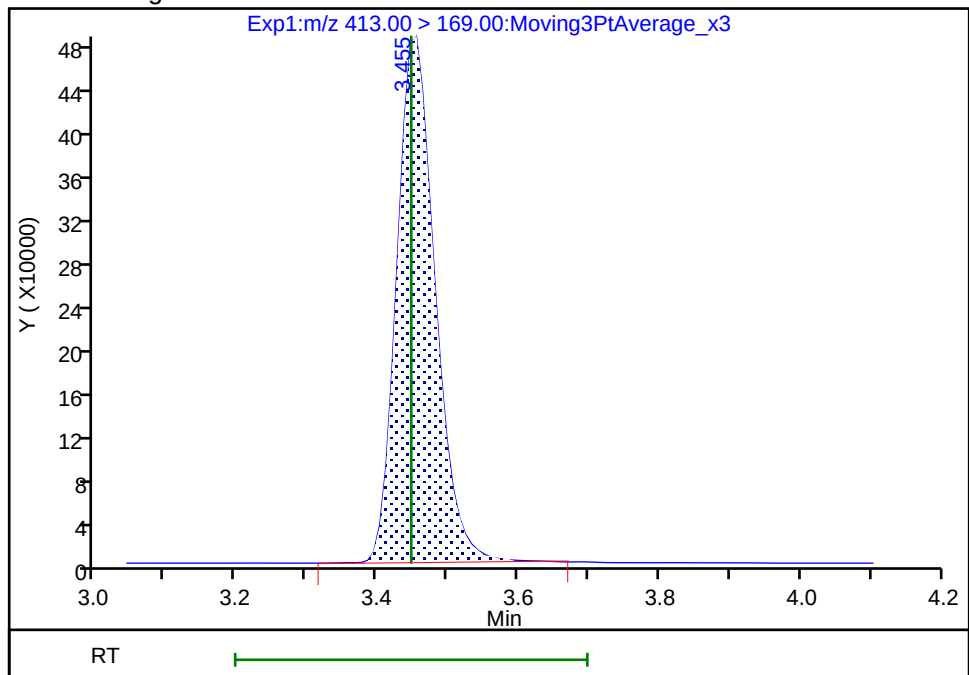
RT: 3.45
Area: 1853197
Amount: 2.271462
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 1840273
Amount: 2.265126
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:54:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

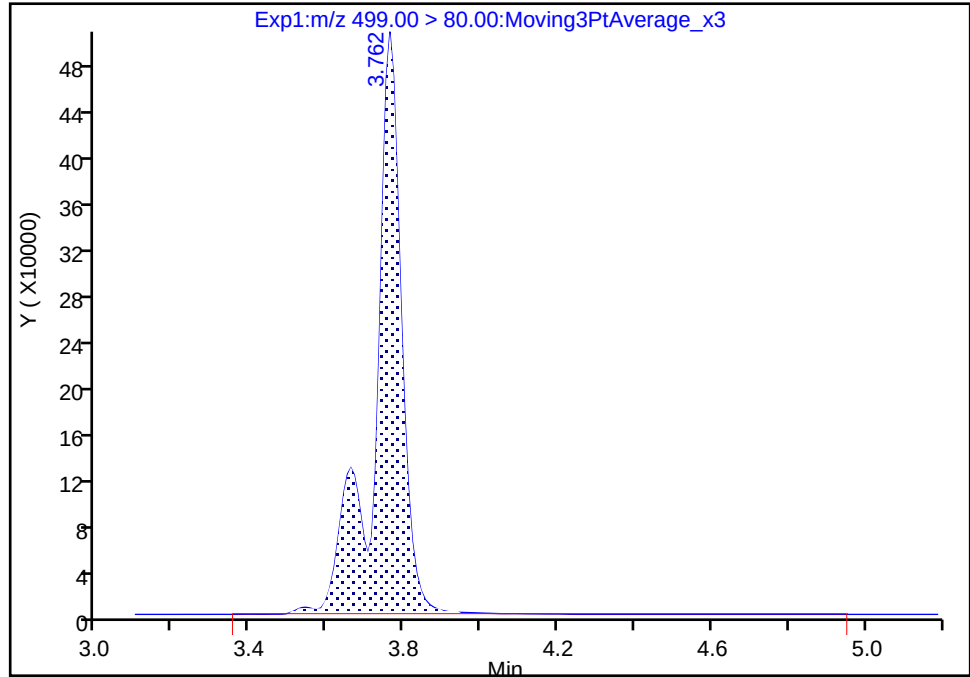
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

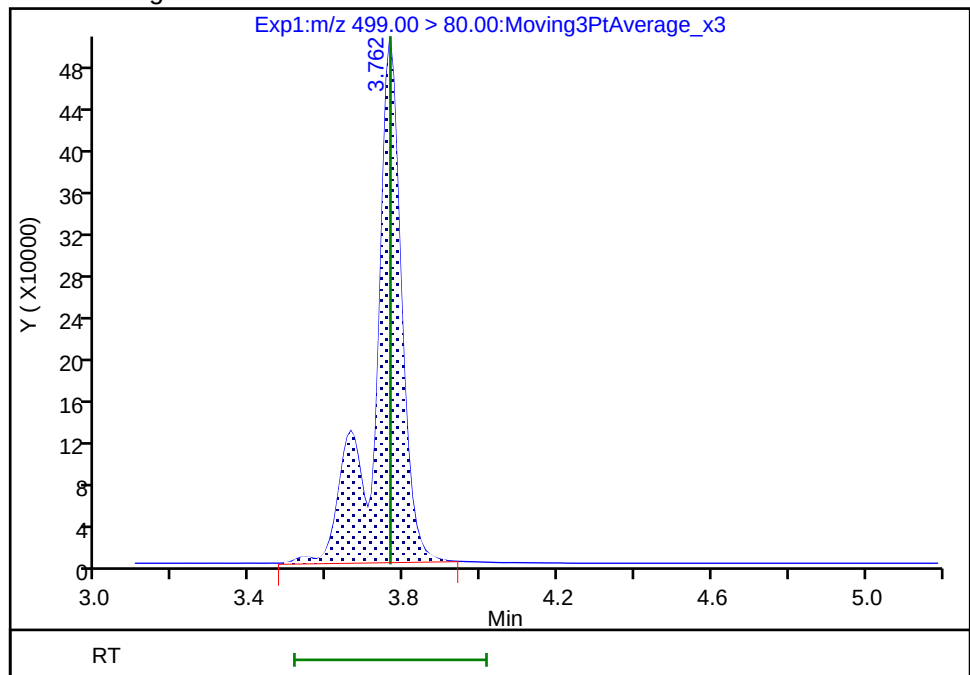
RT: 3.76
Area: 2518106
Amount: 2.116365
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 2496598
Amount: 2.098289
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:55:07

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

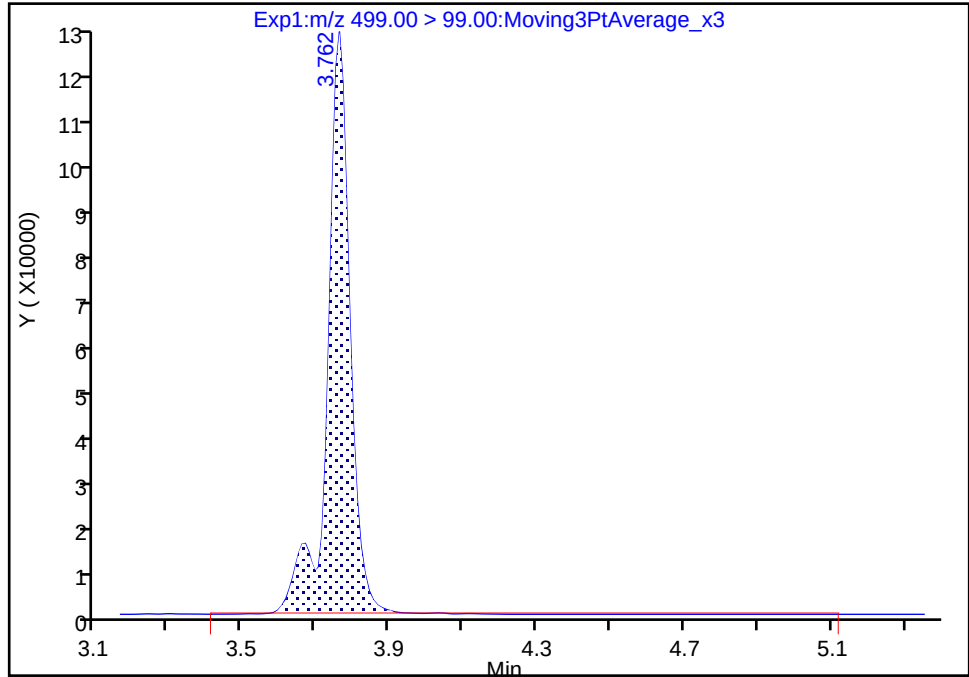
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

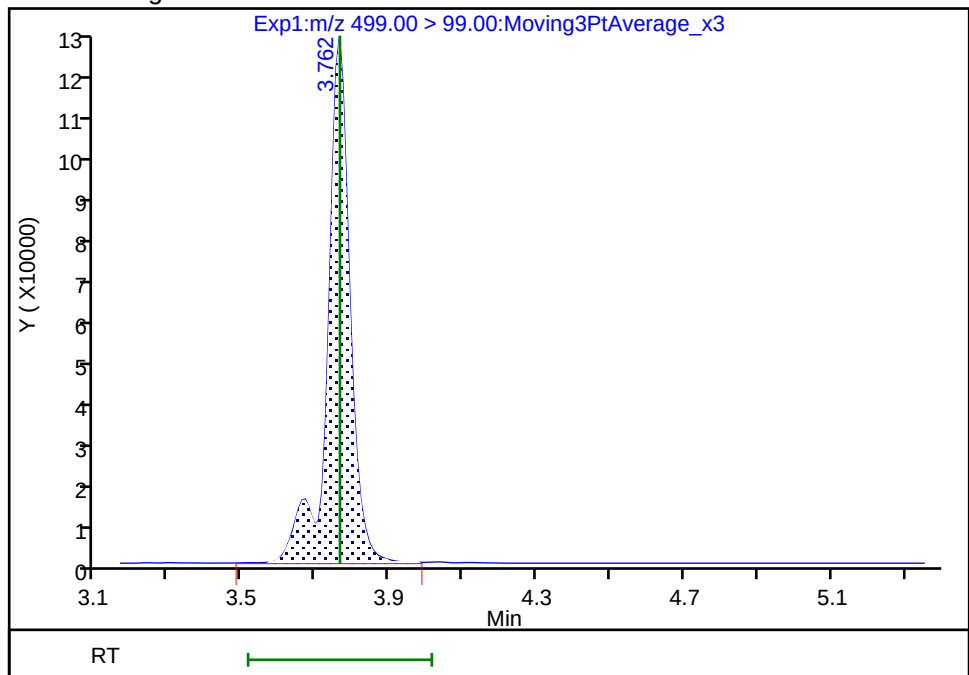
RT: 3.76
Area: 543039
Amount: 2.116365
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 537234
Amount: 2.098289
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:55:22

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d

Injection Date: 19-Dec-2022 19:58:16

Instrument ID: LC812

Lims ID: CCV L5

Client ID:

Operator ID: lc812tech

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

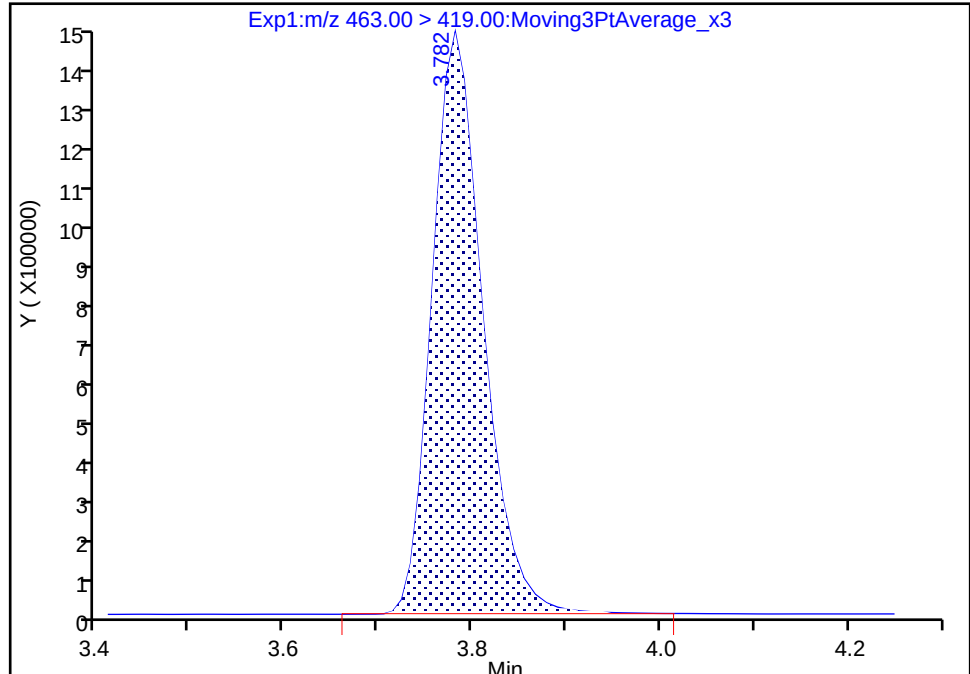
Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

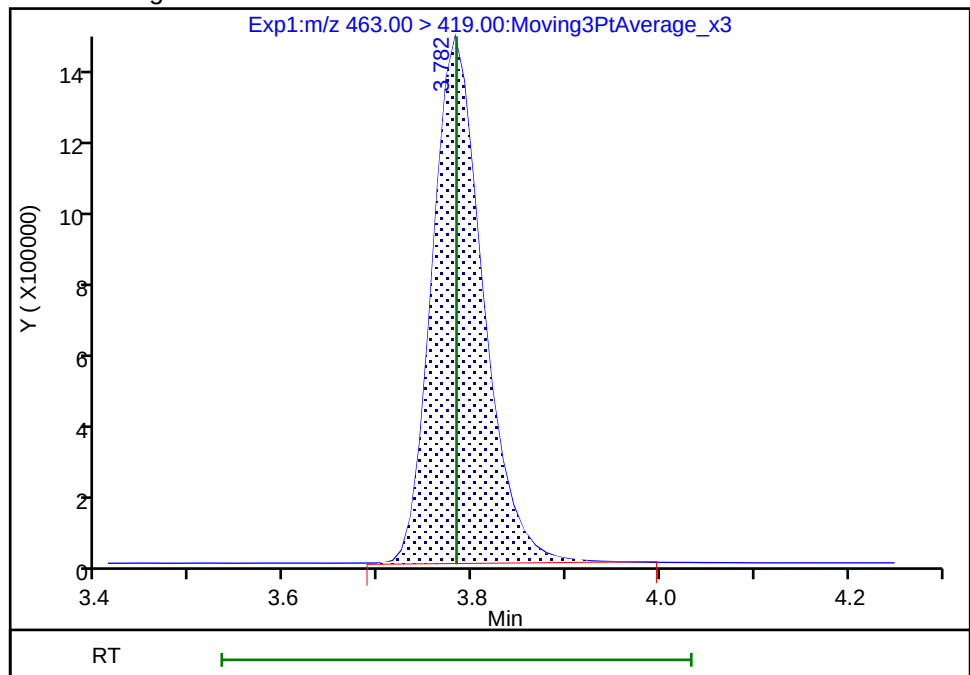
RT: 3.78
Area: 5310933
Amount: 2.267578
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 5306355
Amount: 2.265623
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:55:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

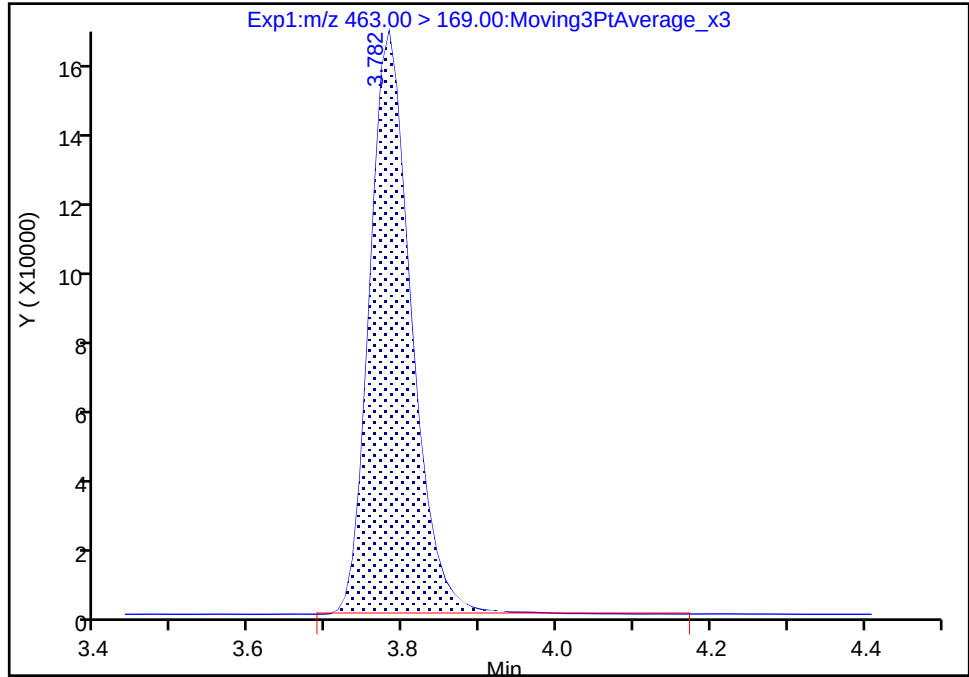
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

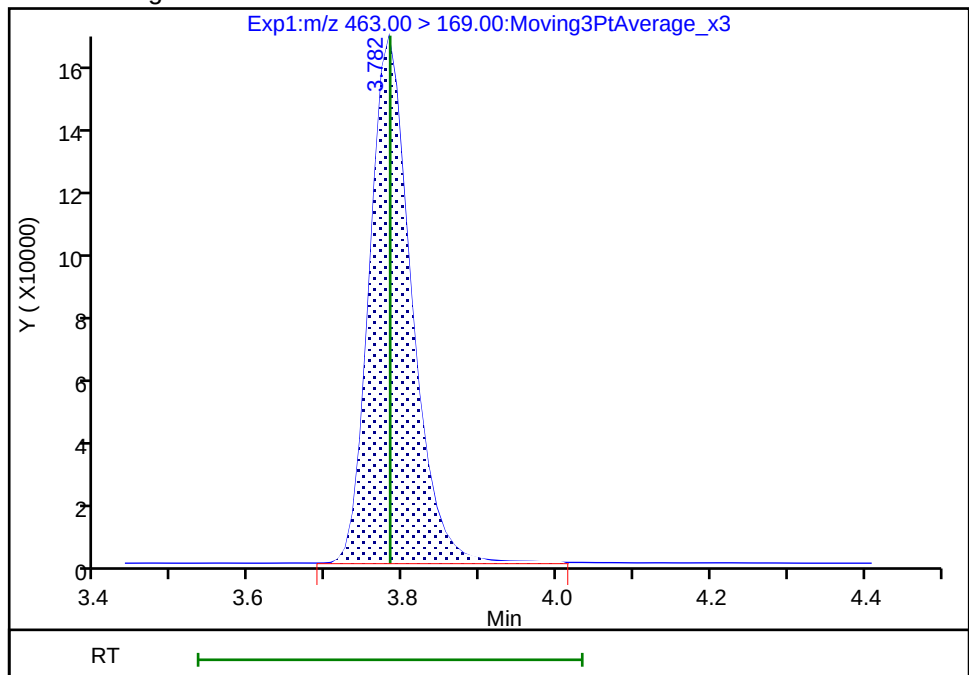
RT: 3.78
Area: 637282
Amount: 2.267578
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 634951
Amount: 2.265623
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:55:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

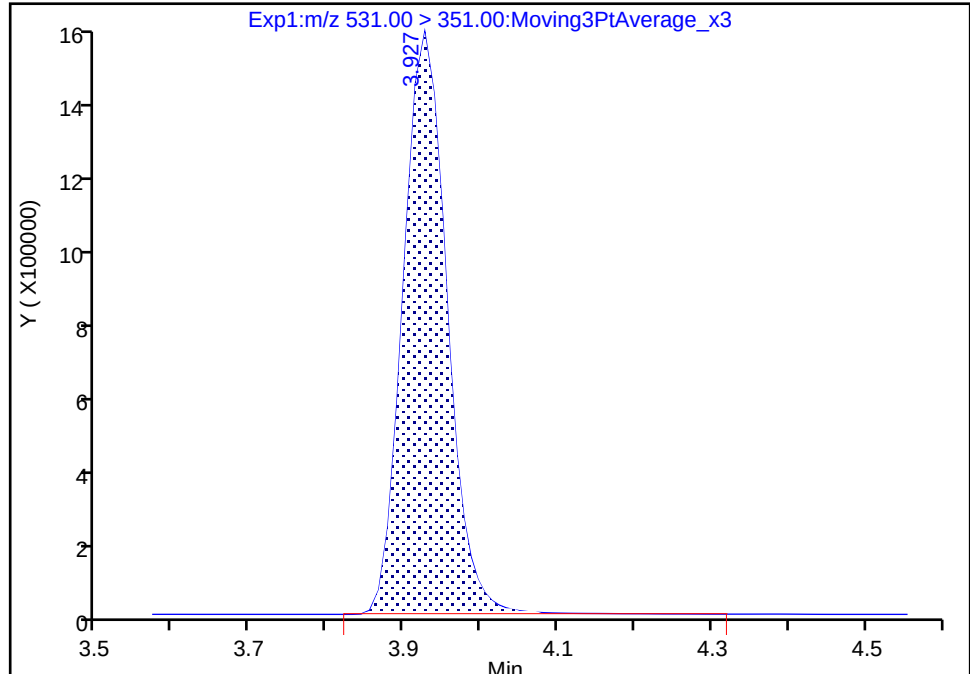
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

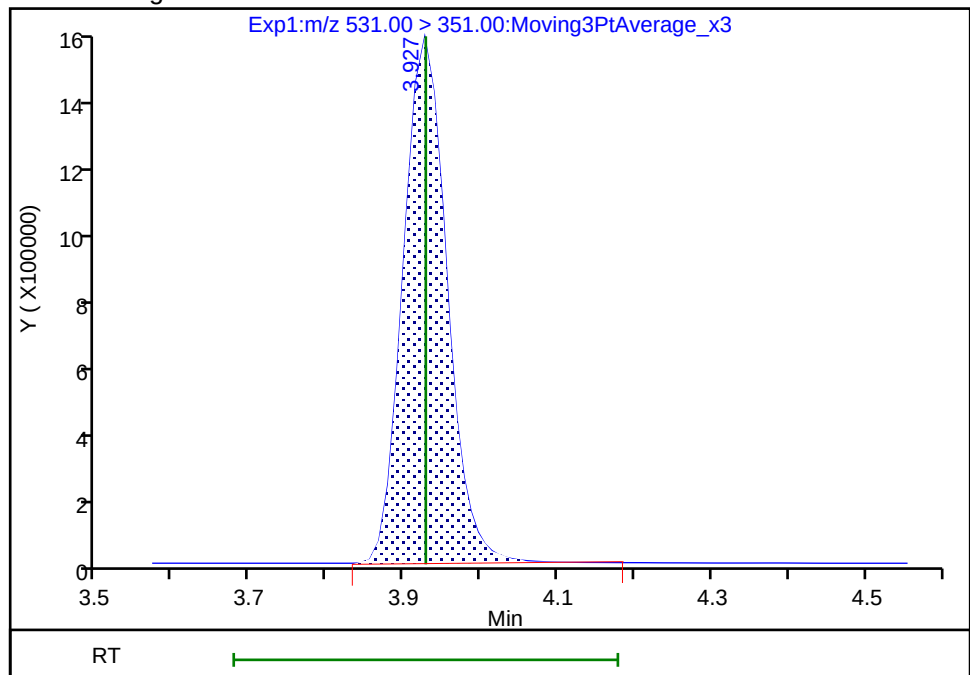
RT: 3.93
Area: 5979120
Amount: 2.189536
Amount Units: ng/ml

Processing Integration Results



RT: 3.93
Area: 5959917
Amount: 2.182504
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:55:40

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

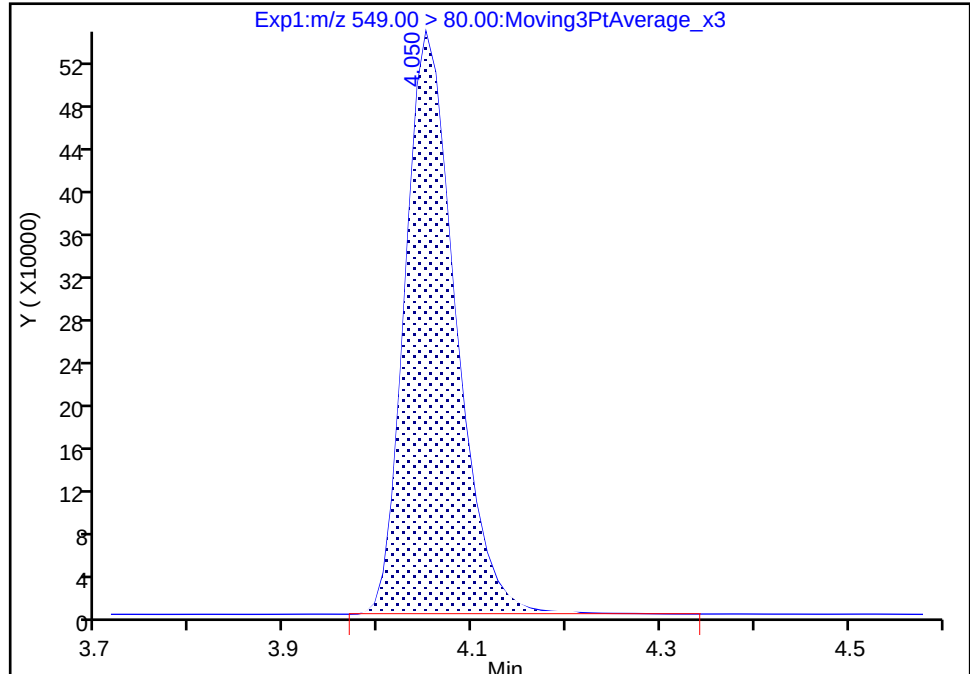
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 1

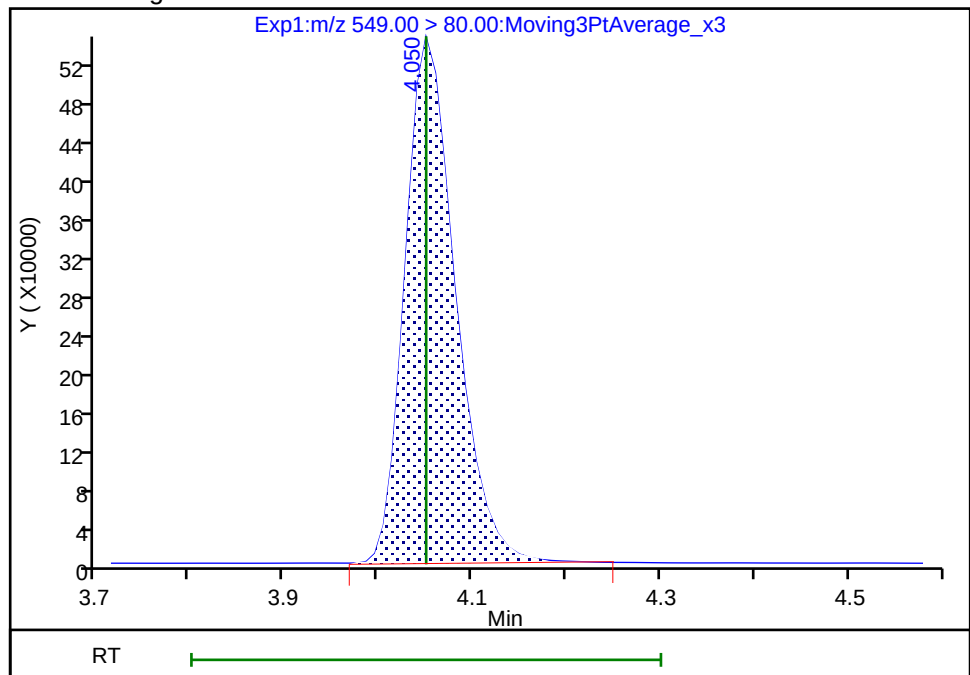
RT: 4.05
Area: 2030513
Amount: 2.261032
Amount Units: ng/ml

Processing Integration Results



RT: 4.05
Area: 2023776
Amount: 2.253530
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:55:45

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

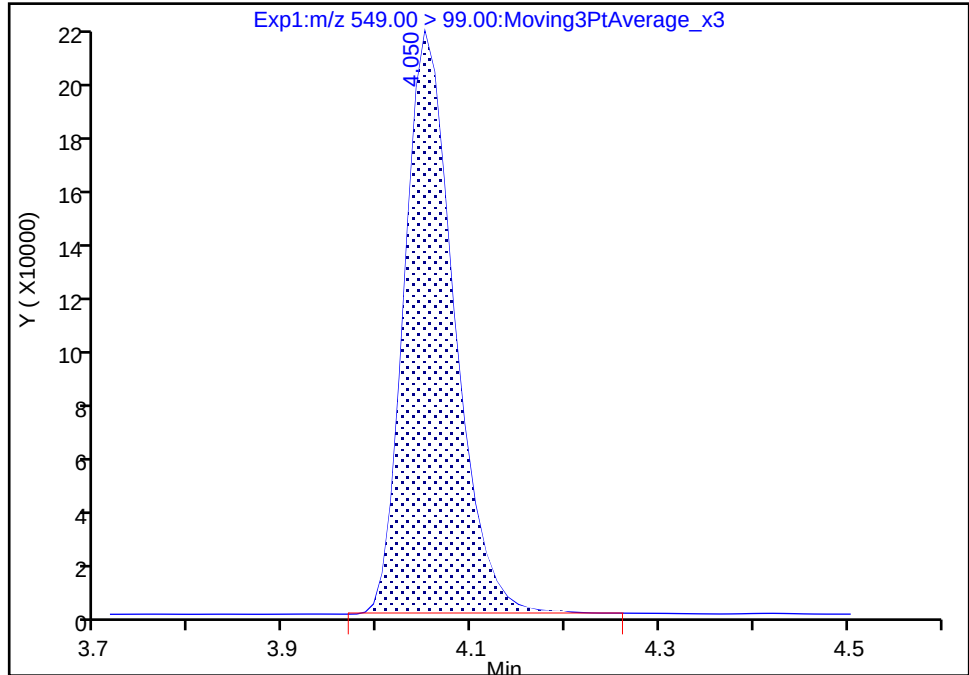
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 2

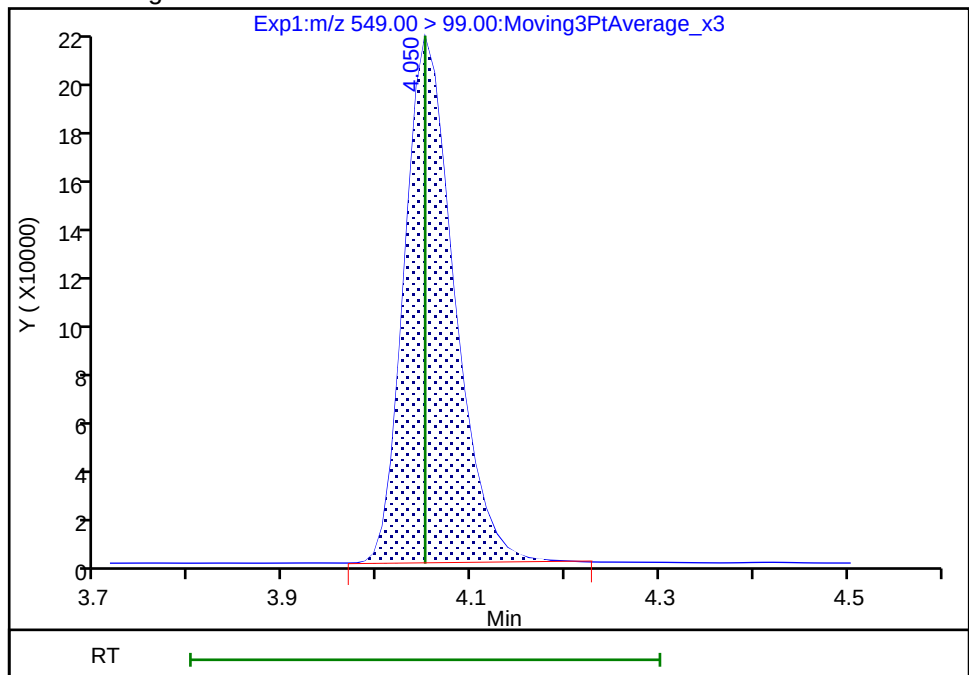
RT: 4.05
Area: 800490
Amount: 2.261032
Amount Units: ng/ml

Processing Integration Results



RT: 4.05
Area: 799449
Amount: 2.253530
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:55:49

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

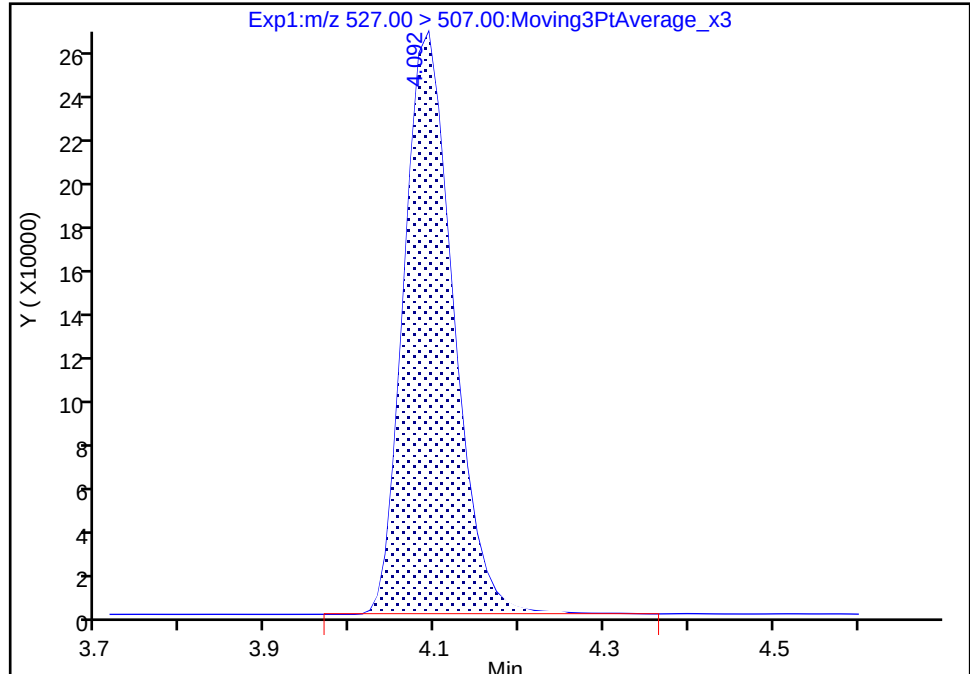
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

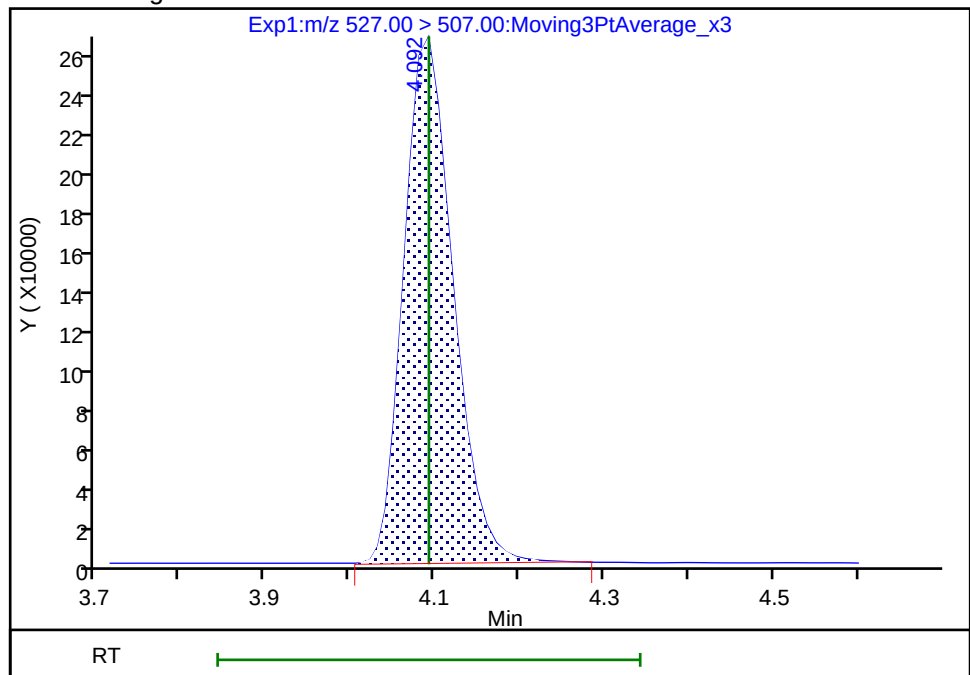
RT: 4.09
Area: 1079515
Amount: 2.436255
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 1075765
Amount: 2.427792
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:56:05

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

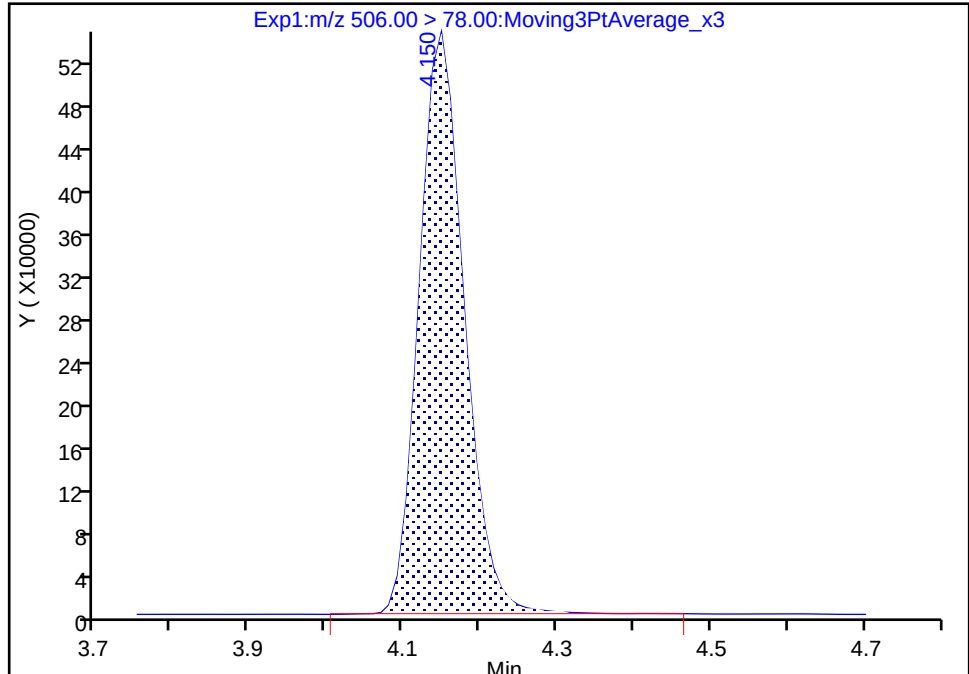
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

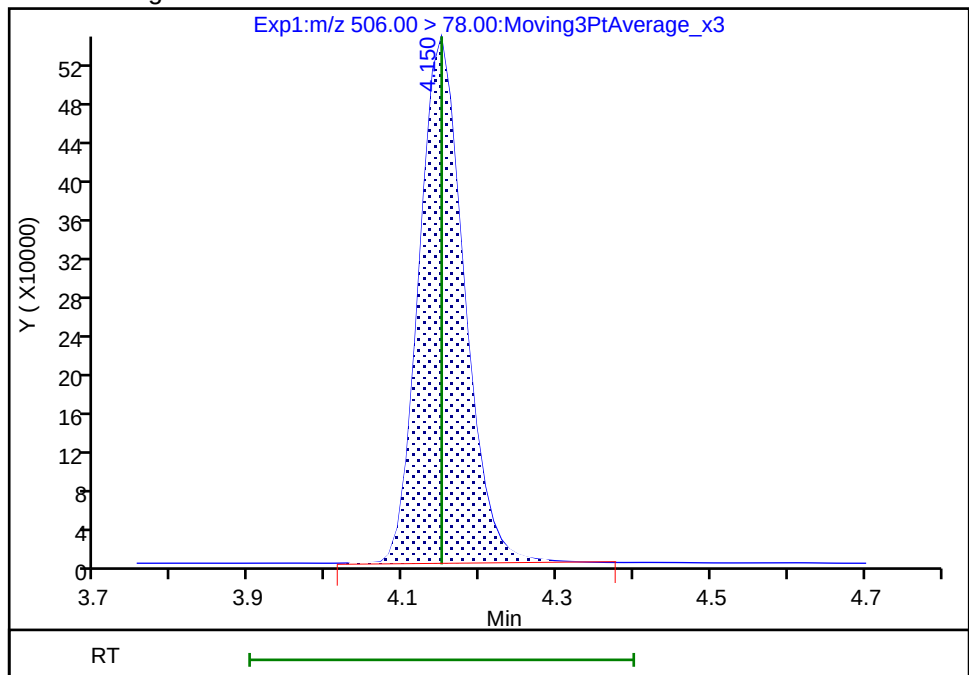
RT: 4.15
Area: 2237315
Amount: 1.264431
Amount Units: ng/ml

Processing Integration Results



RT: 4.15
Area: 2232970
Amount: 1.261975
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:51:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

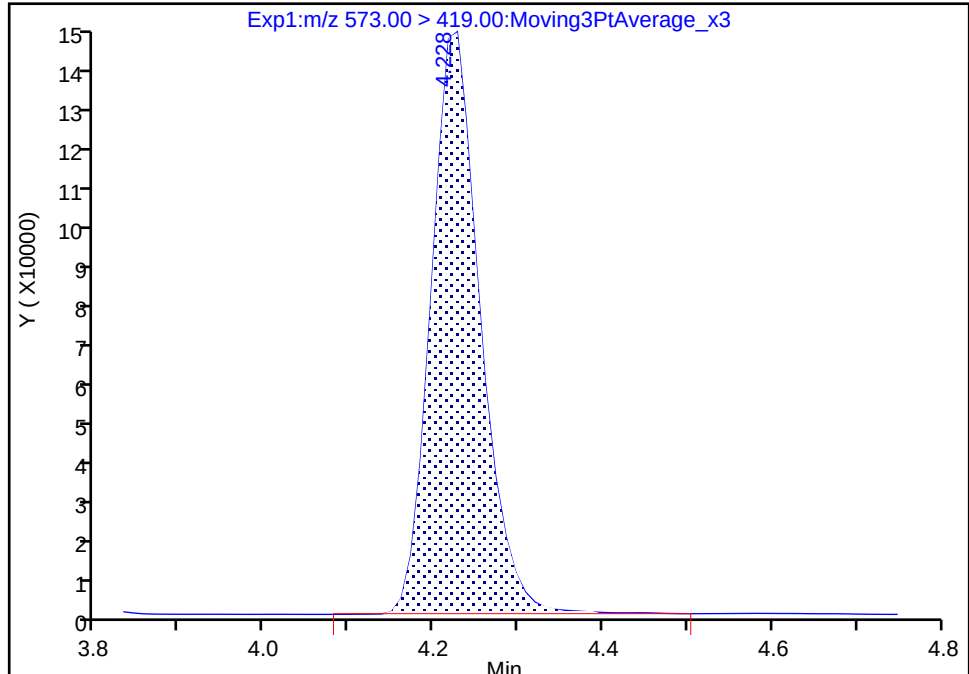
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

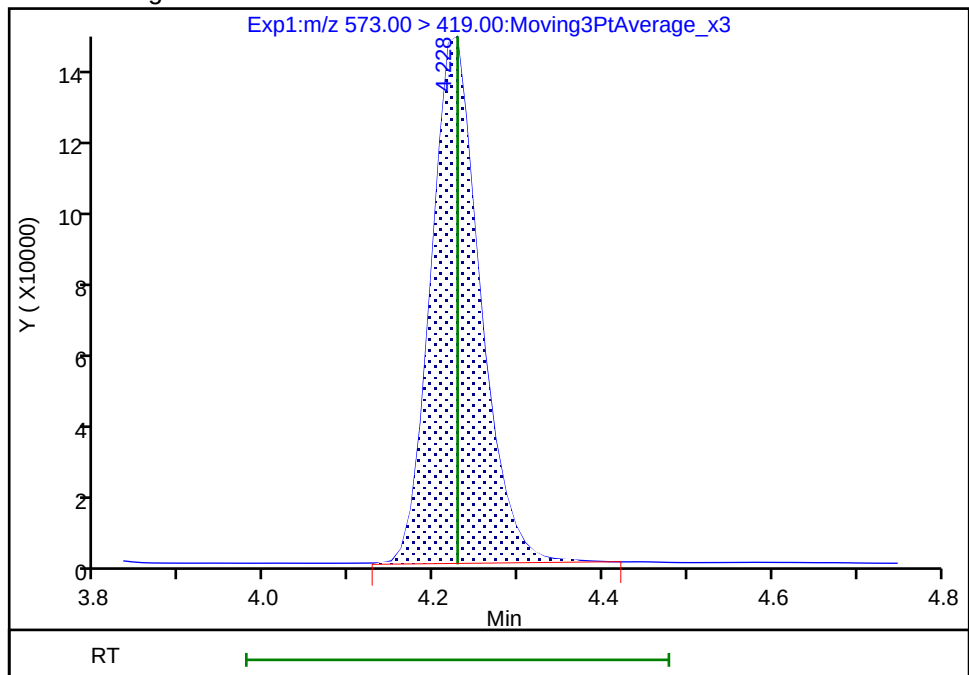
RT: 4.23
Area: 568727
Amount: 1.294200
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 565603
Amount: 1.287091
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:51:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

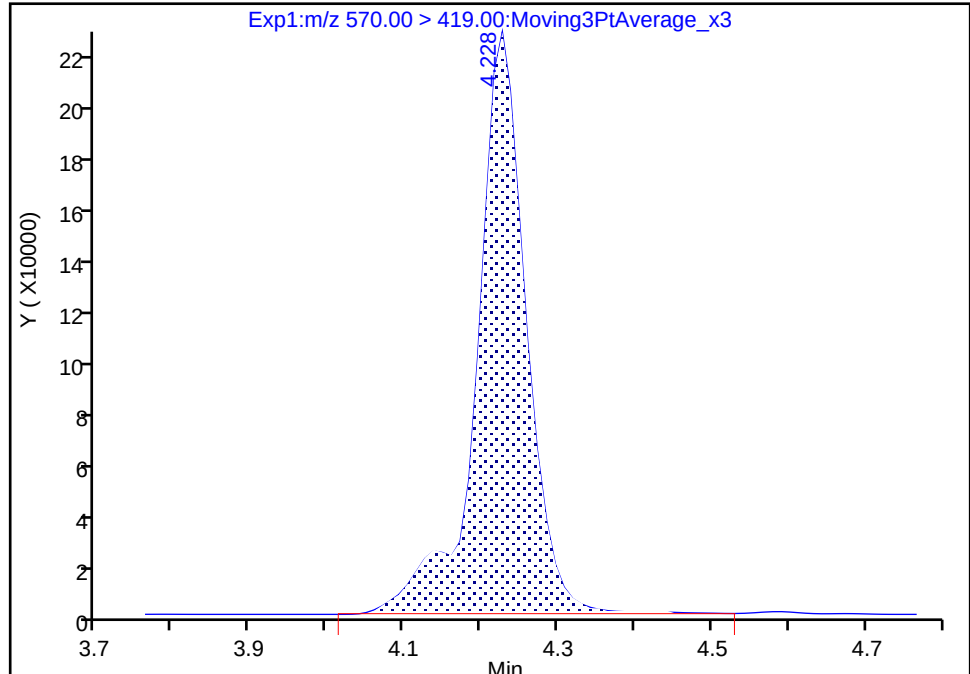
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

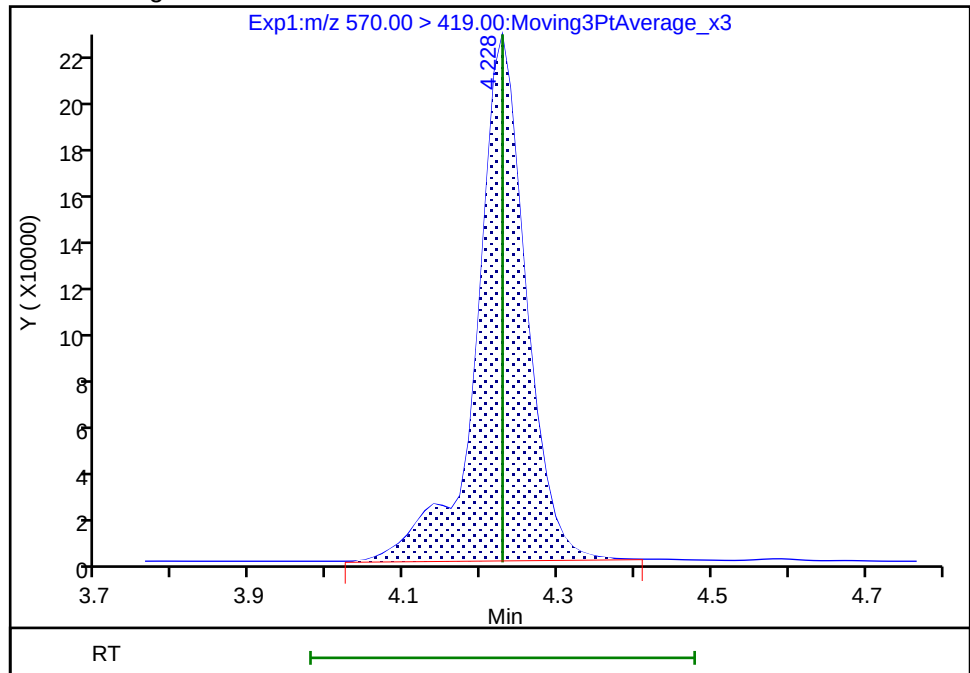
RT: 4.23
Area: 1013491
Amount: 2.592106
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 998553
Amount: 2.553730
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 22-Dec-2022 08:17:43
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

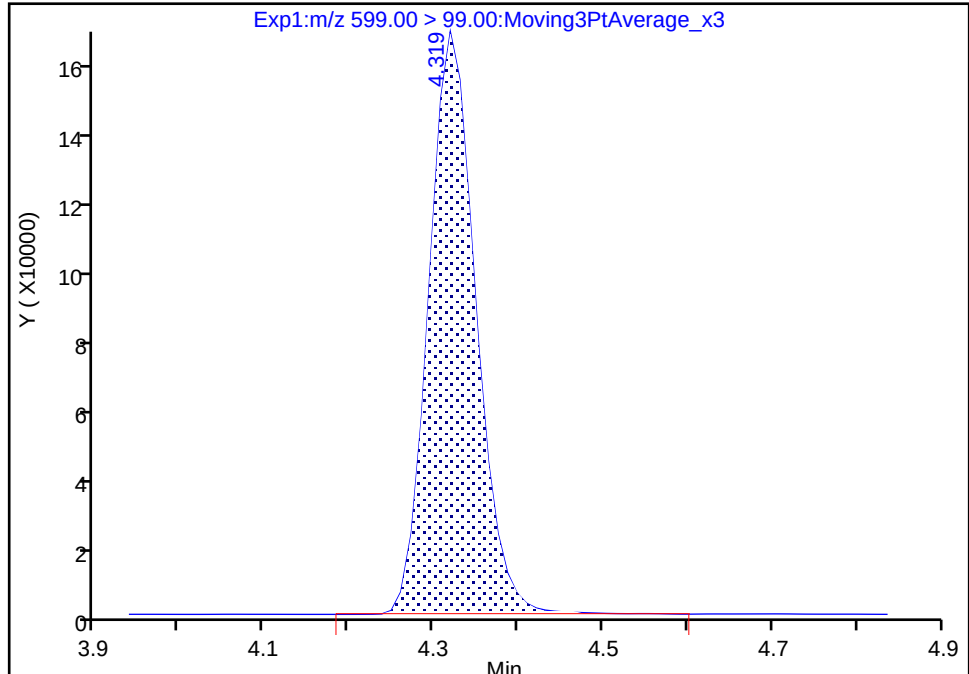
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

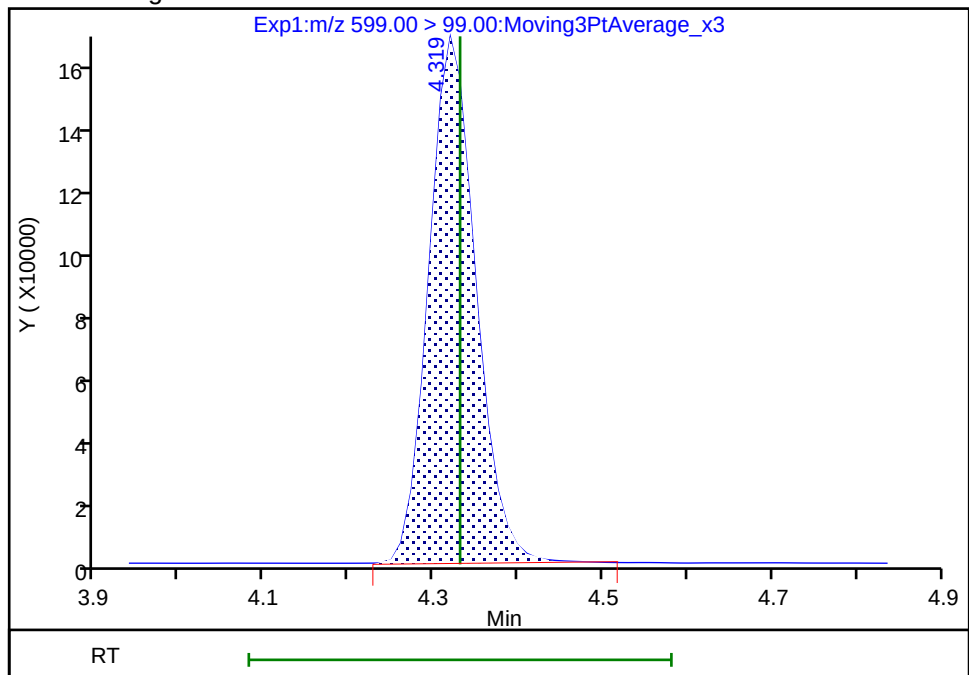
RT: 4.32
Area: 641681
Amount: 2.348162
Amount Units: ng/ml

Processing Integration Results



RT: 4.32
Area: 639053
Amount: 2.345785
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:56:28

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

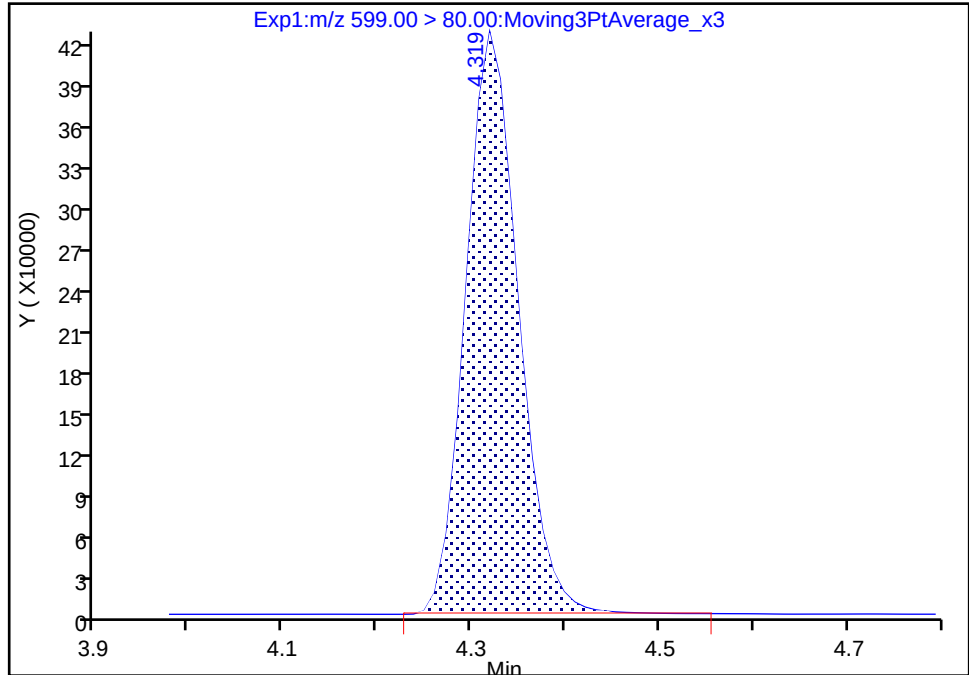
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

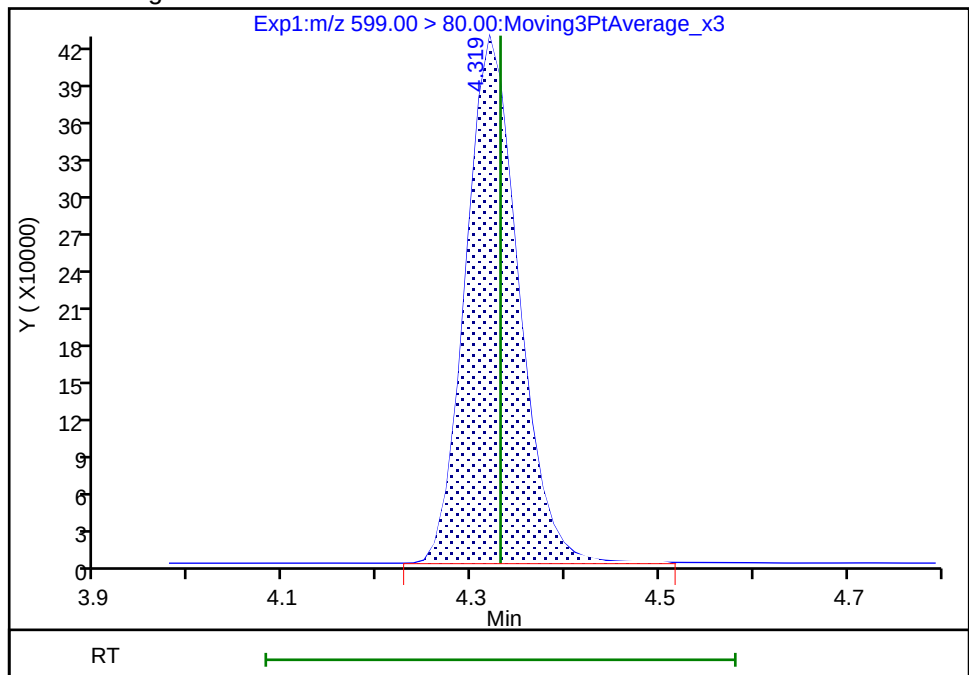
RT: 4.32
Area: 1665049
Amount: 2.348162
Amount Units: ng/ml

Processing Integration Results



RT: 4.32
Area: 1663364
Amount: 2.345785
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:56:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

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12/27/2022

2:52 PM

Eurofins Burlington

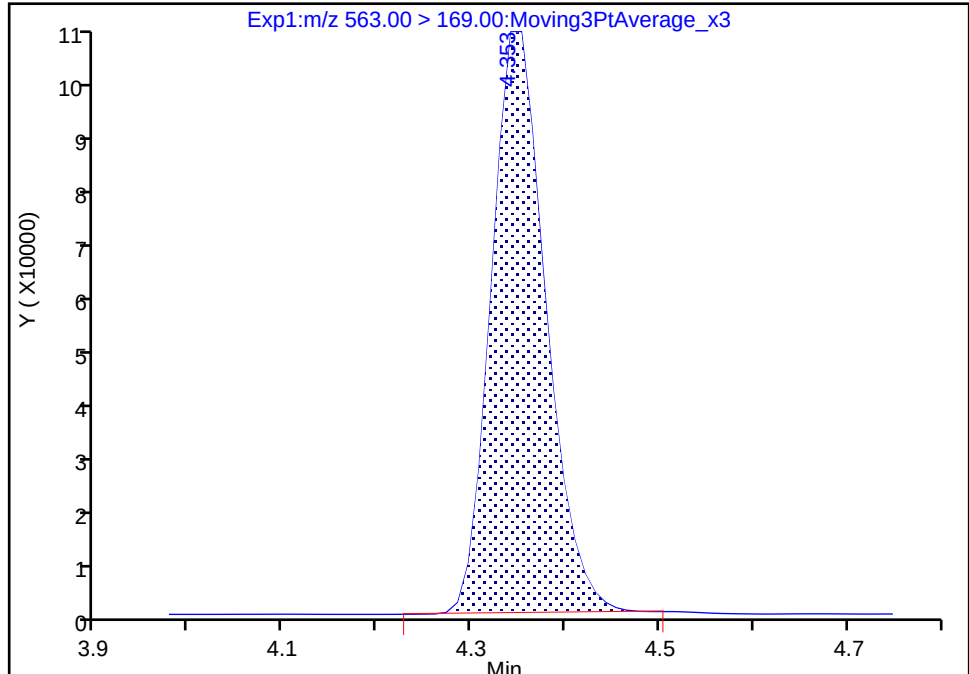
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

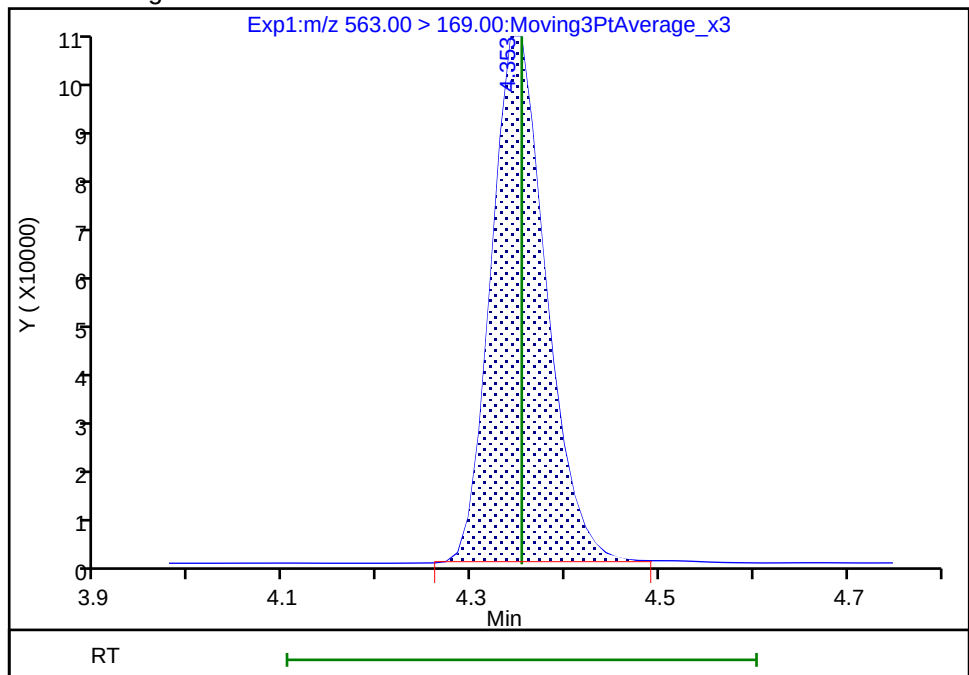
RT: 4.35
Area: 441580
Amount: 2.227761
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 441270
Amount: 2.216141
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:56:40
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d

Injection Date: 19-Dec-2022 19:58:16

Instrument ID: LC812

Lims ID: CCV L5

Client ID:

Operator ID: lc812tech

ALS Bottle#:

14

Worklist Smp#: 14

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

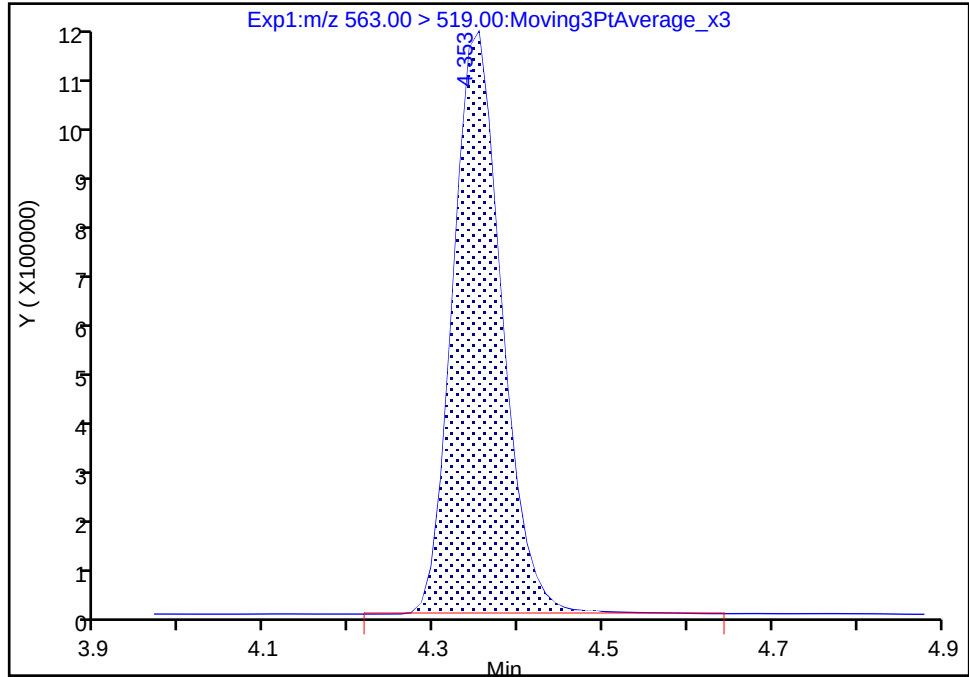
EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

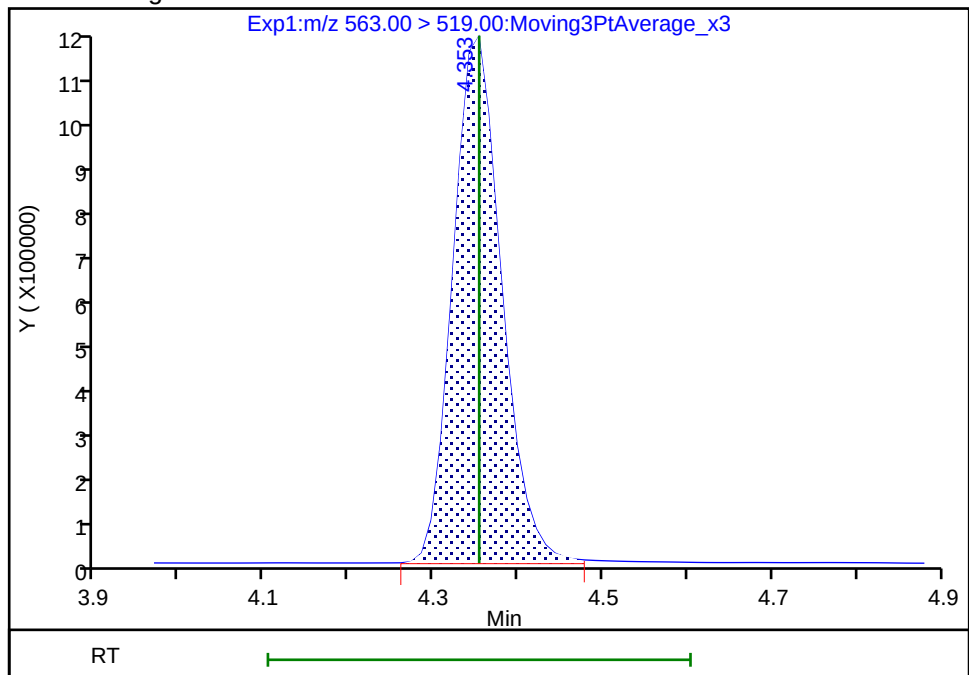
RT: 4.35
Area: 4598594
Amount: 2.227761
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 4574607
Amount: 2.216141
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:56:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

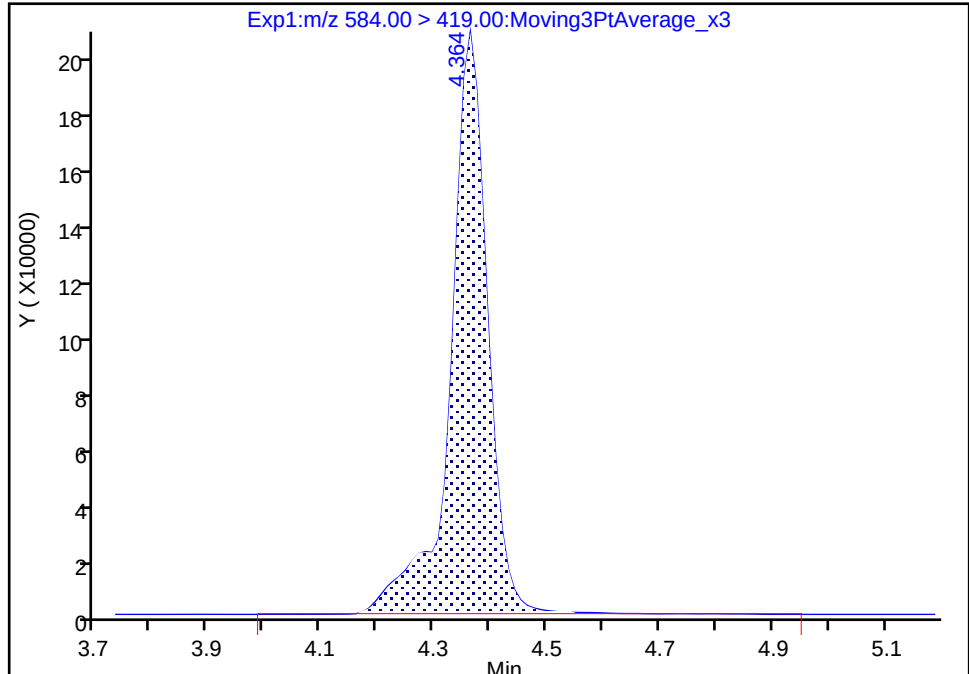
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

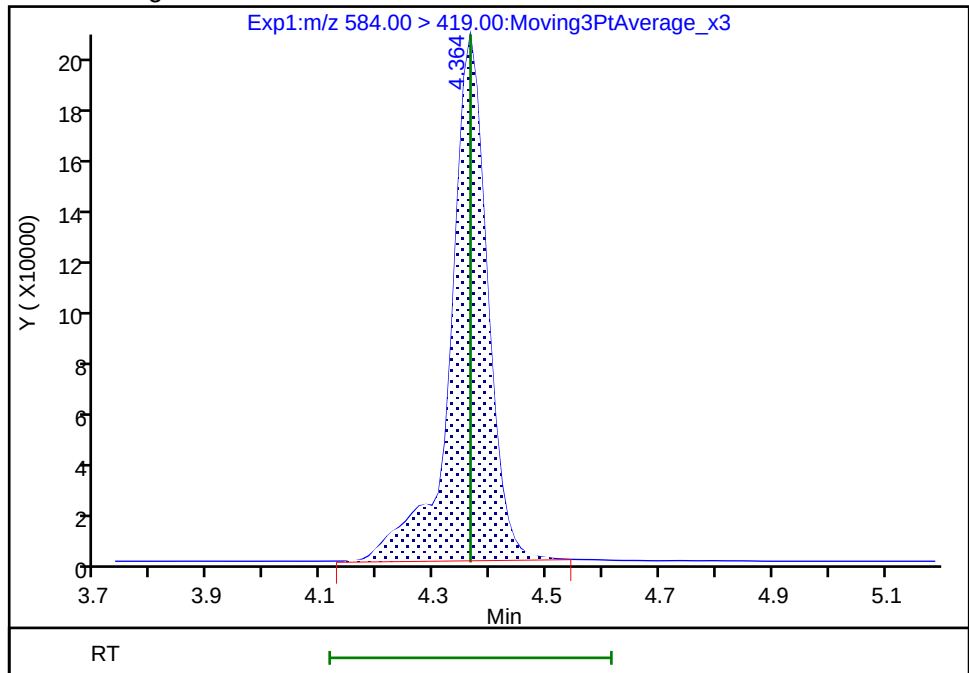
RT: 4.36
Area: 956542
Amount: 2.333894
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 940128
Amount: 2.293845
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 22-Dec-2022 08:18:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

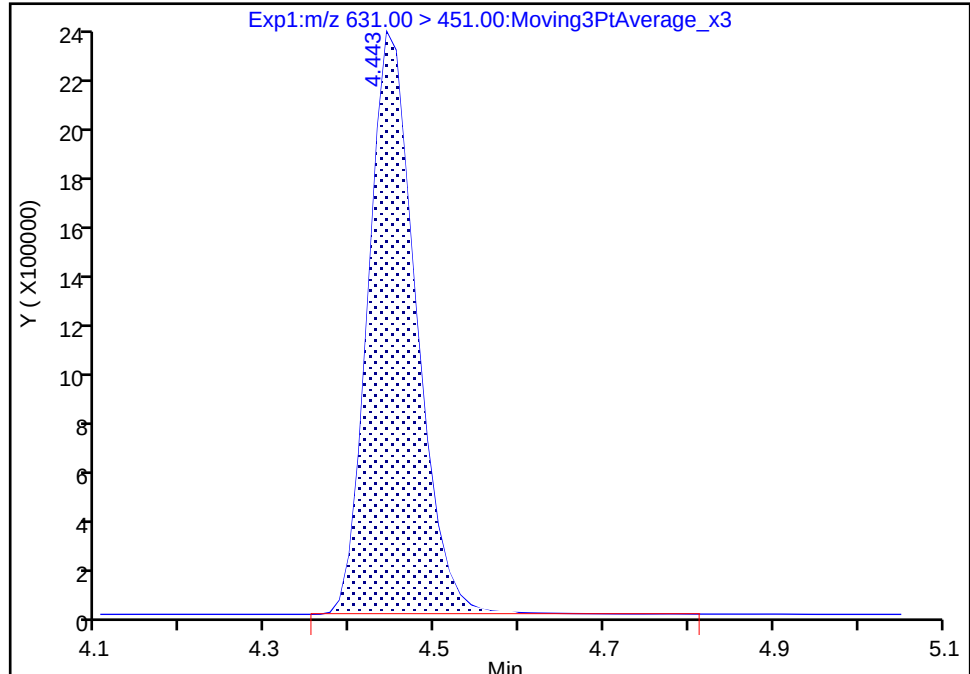
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

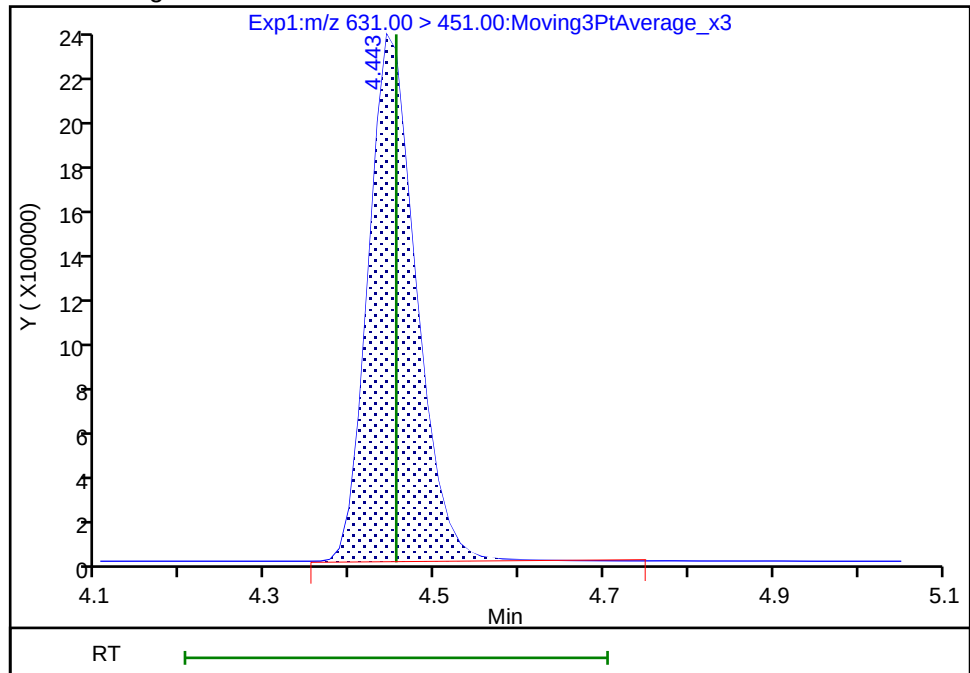
RT: 4.44
Area: 9274220
Amount: 2.203161
Amount Units: ng/ml

Processing Integration Results



RT: 4.44
Area: 9263436
Amount: 2.200599
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:57:48

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

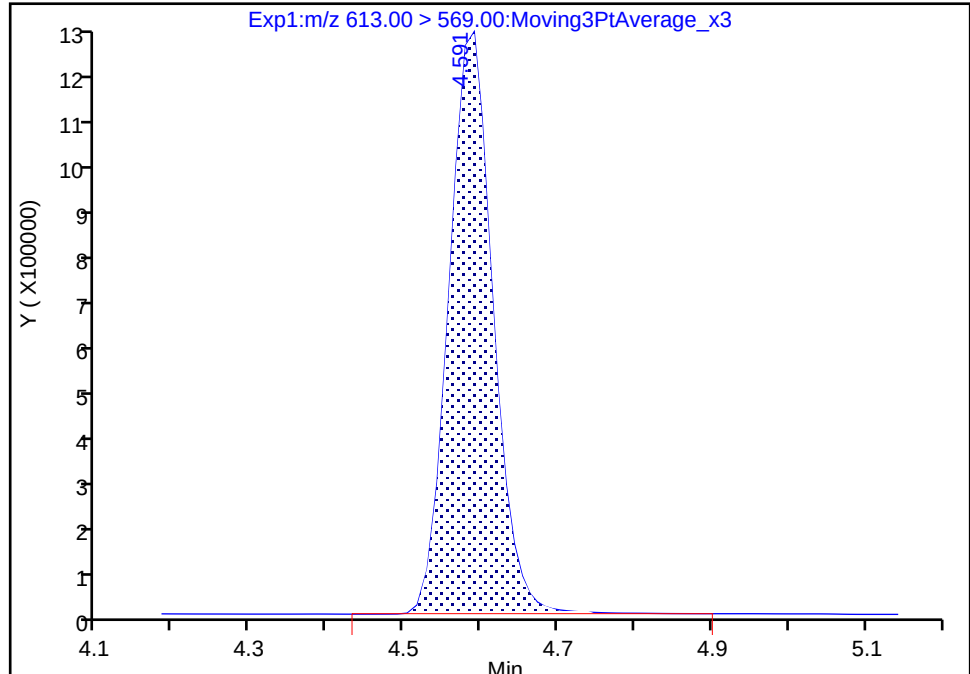
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

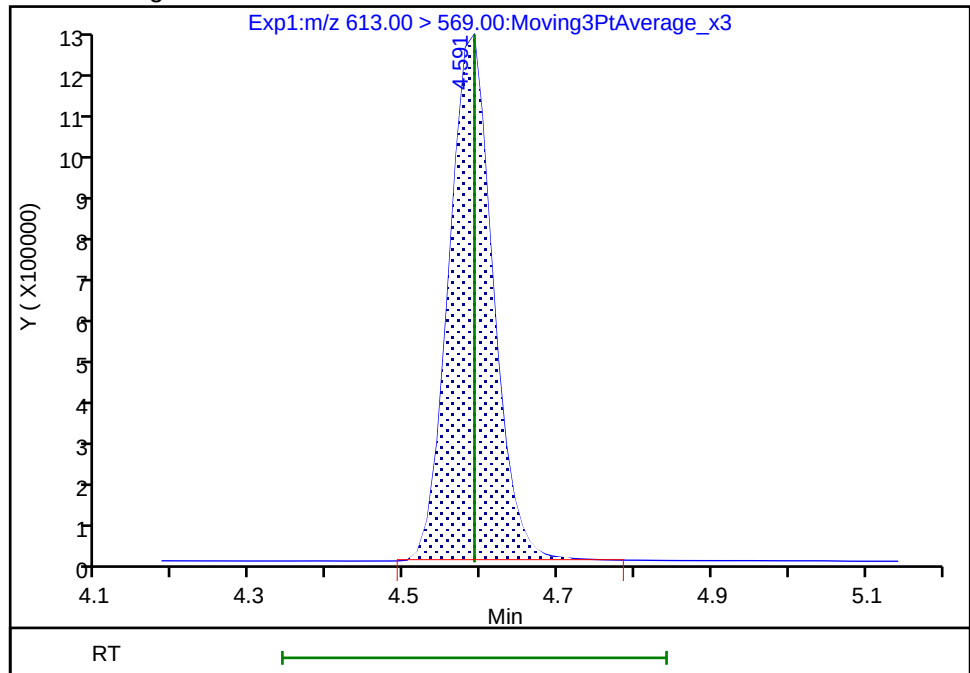
RT: 4.59
Area: 5011210
Amount: 2.124177
Amount Units: ng/ml

Processing Integration Results



RT: 4.59
Area: 4992816
Amount: 2.116380
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:57:53

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d

Injection Date: 19-Dec-2022 19:58:16

Instrument ID: LC812

Lims ID: CCV L5

Client ID:

Operator ID: lc812tech

ALS Bottle#:

14

Worklist Smp#: 14

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

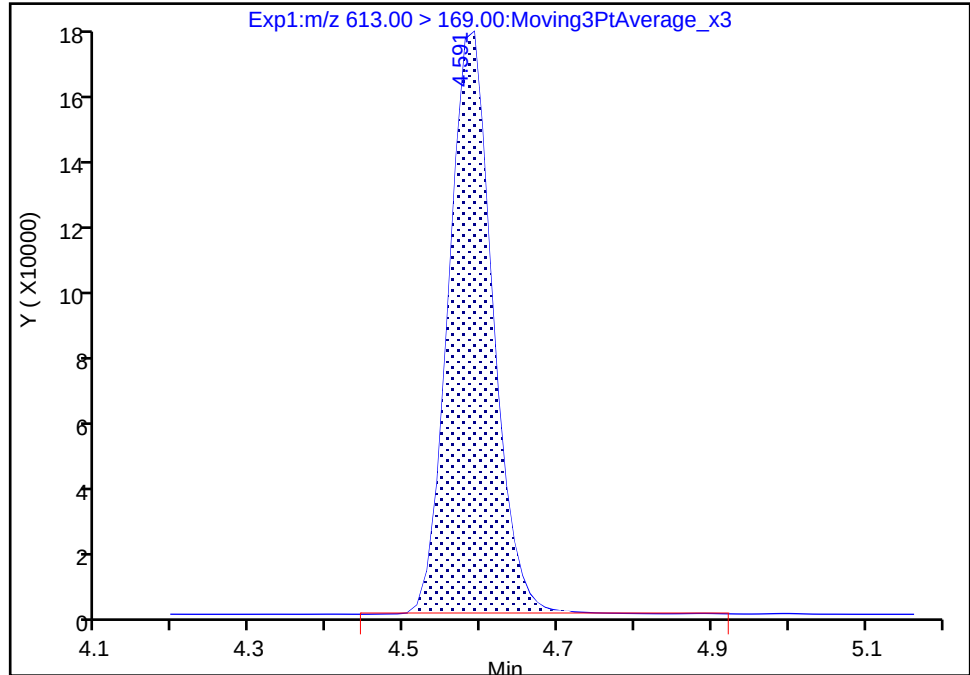
EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

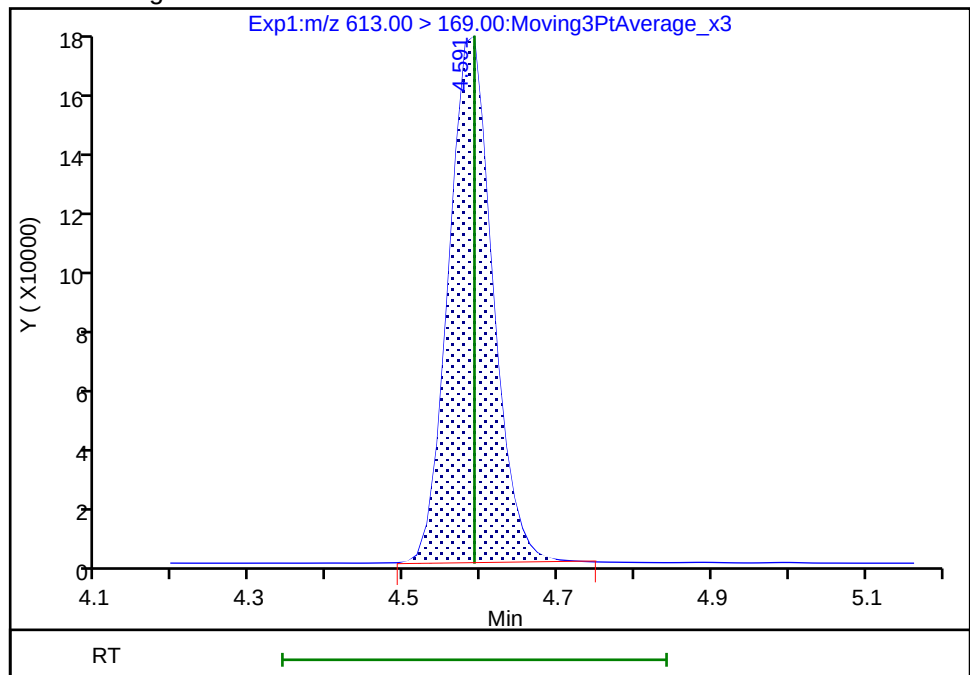
RT: 4.59
Area: 690627
Amount: 2.124177
Amount Units: ng/ml

Processing Integration Results



RT: 4.59
Area: 685683
Amount: 2.116380
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:57:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

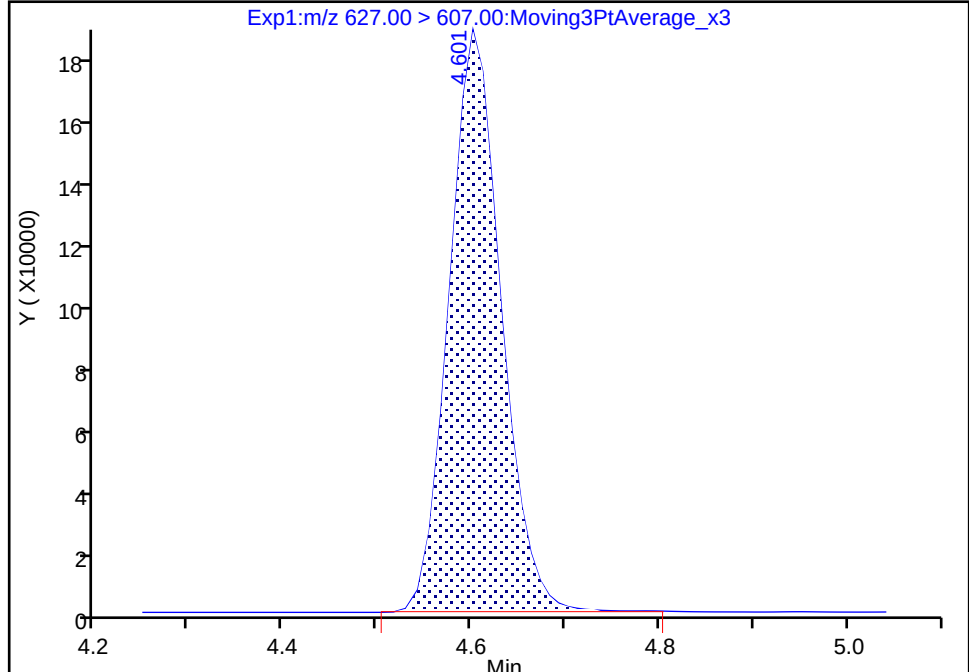
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

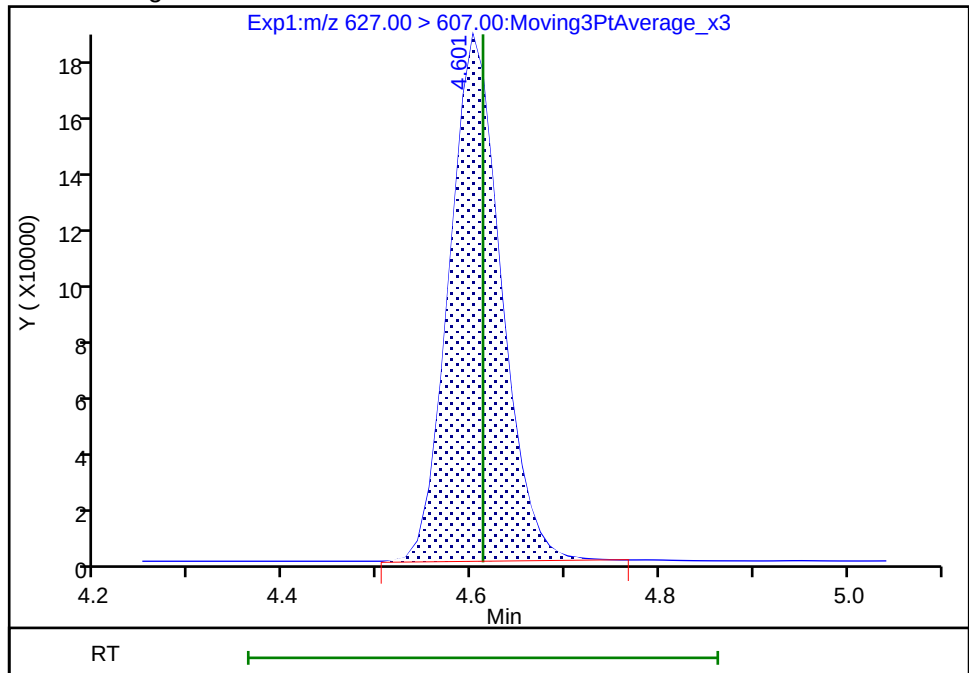
RT: 4.60
Area: 698035
Amount: 2.621559
Amount Units: ng/ml

Processing Integration Results



RT: 4.60
Area: 697073
Amount: 2.617946
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:58:03

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

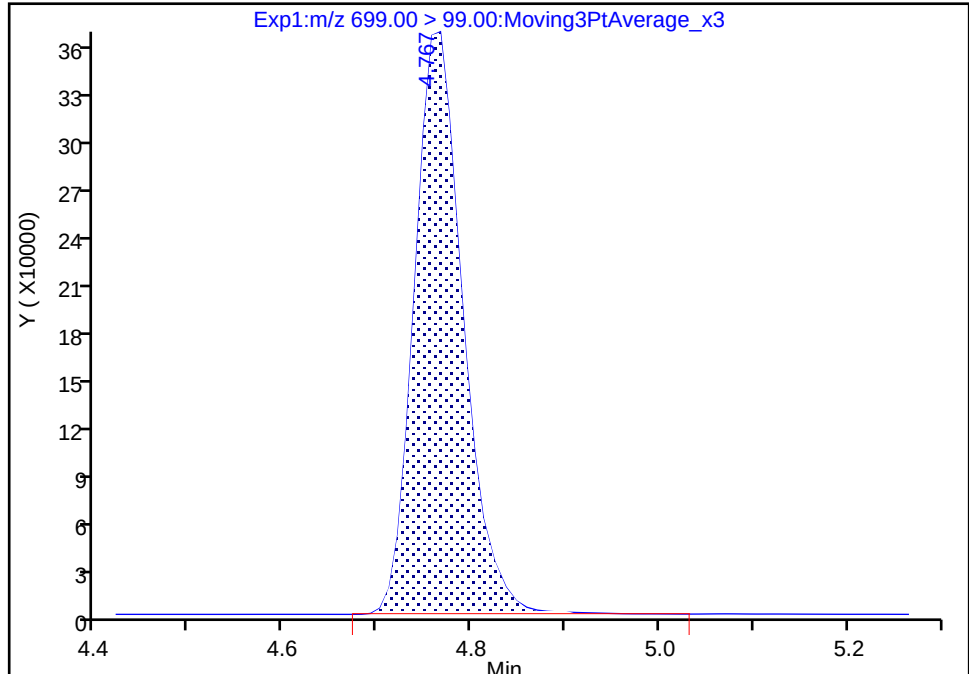
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 2

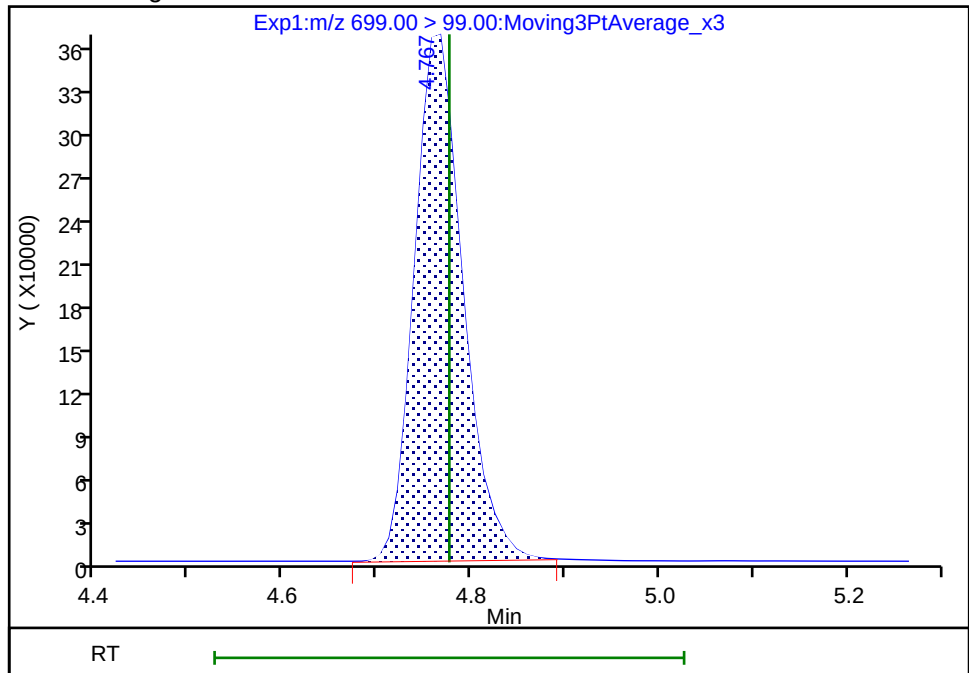
RT: 4.77
Area: 1309157
Amount: 2.383985
Amount Units: ng/ml

Processing Integration Results



RT: 4.77
Area: 1303758
Amount: 2.374046
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:58:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

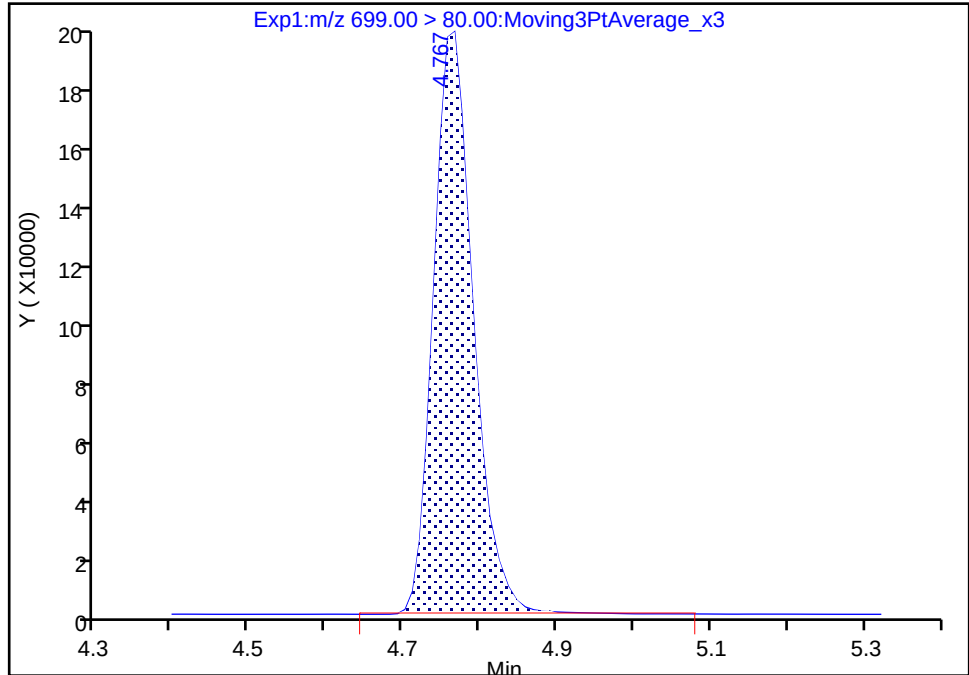
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

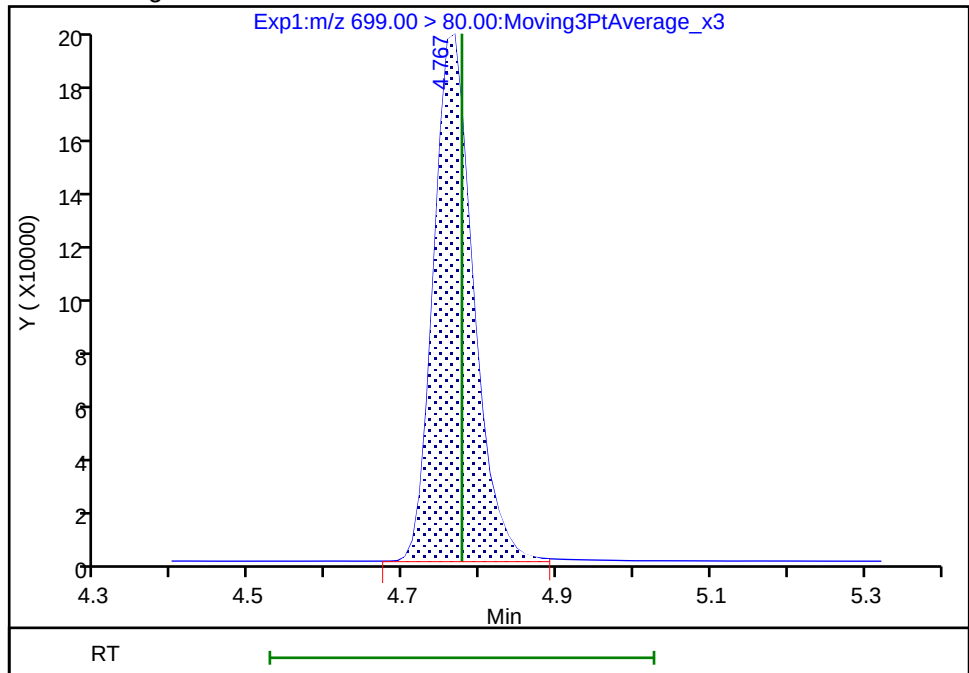
RT: 4.77
Area: 715234
Amount: 2.383985
Amount Units: ng/ml

Processing Integration Results



RT: 4.77
Area: 712252
Amount: 2.374046
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:58:18

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

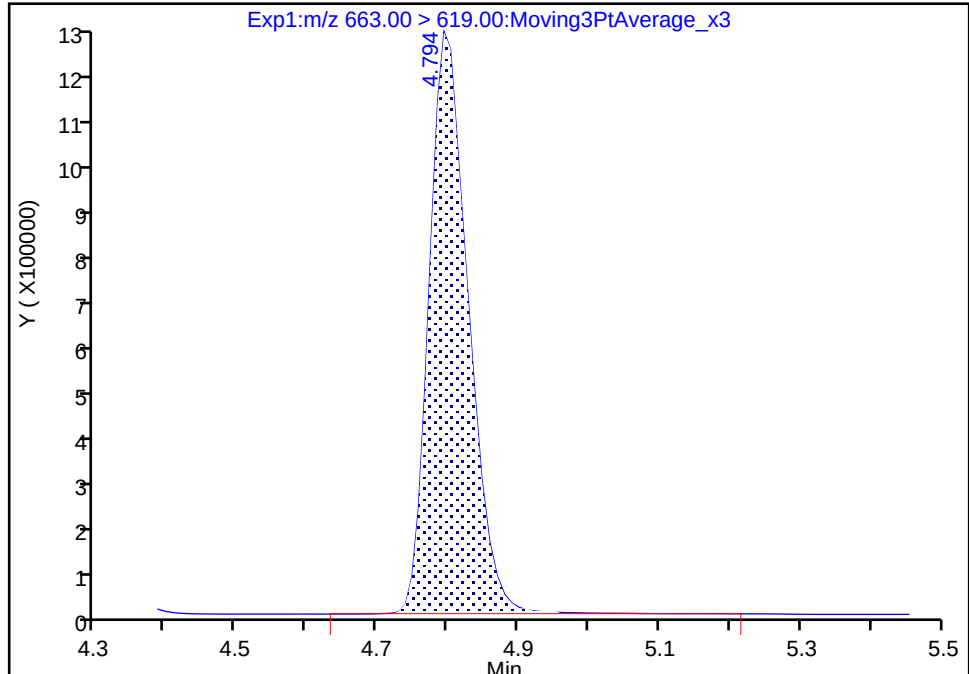
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

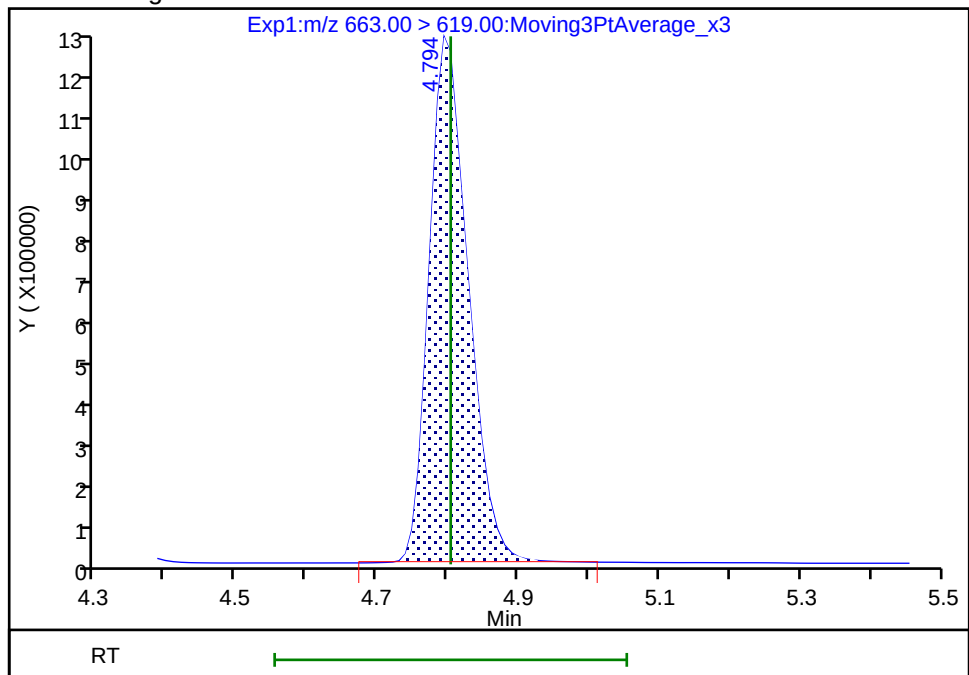
RT: 4.79
Area: 4990224
Amount: 2.211801
Amount Units: ng/ml

Processing Integration Results



RT: 4.79
Area: 4966350
Amount: 2.201220
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:58:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

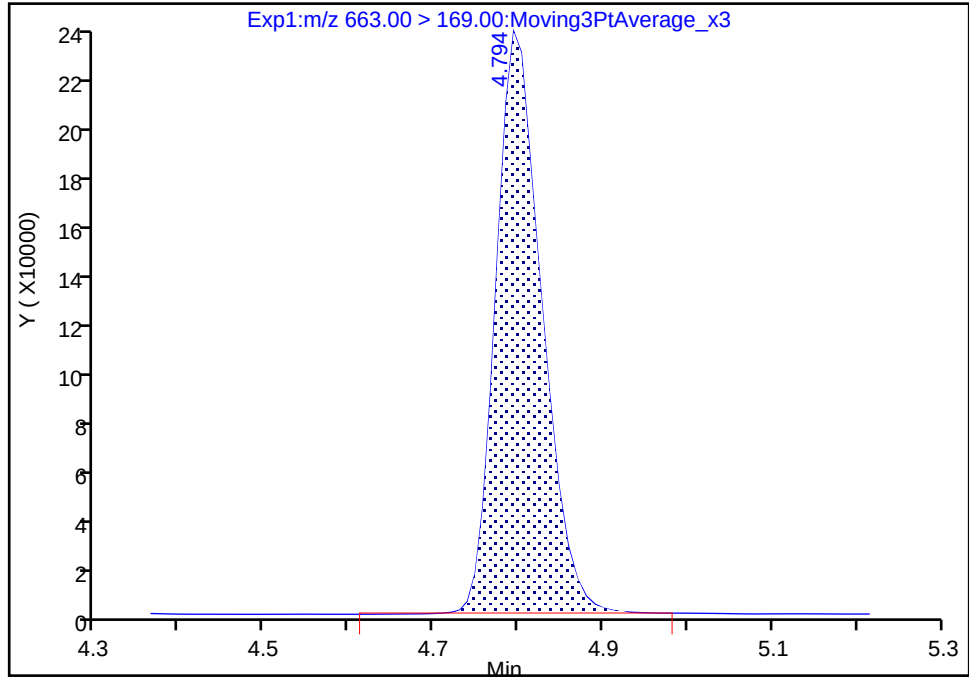
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

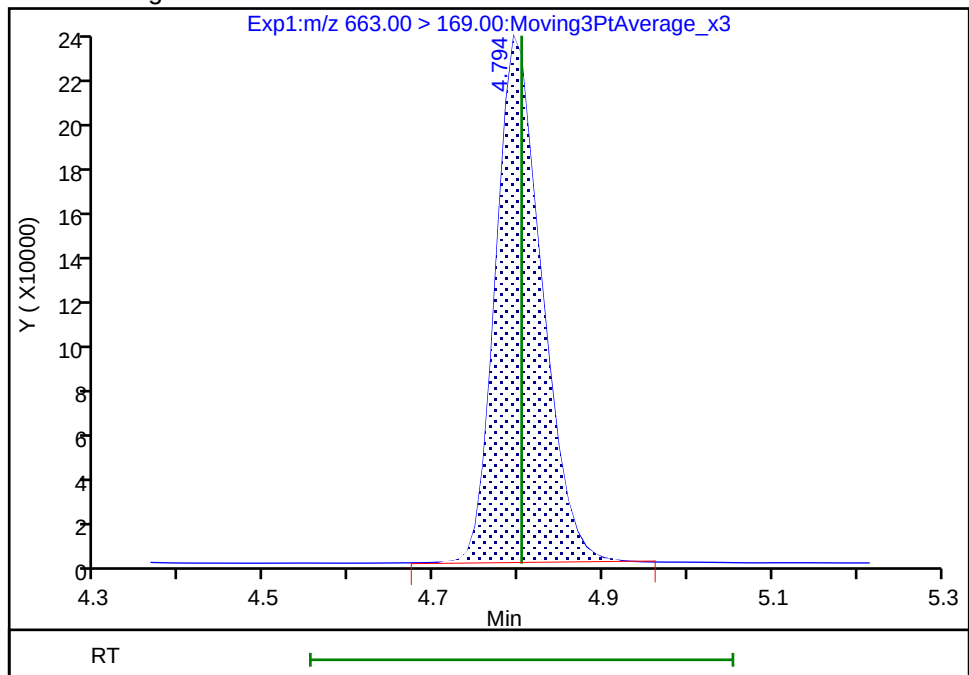
RT: 4.79
Area: 892260
Amount: 2.211801
Amount Units: ng/ml

Processing Integration Results



RT: 4.79
Area: 890805
Amount: 2.201220
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:58:34

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

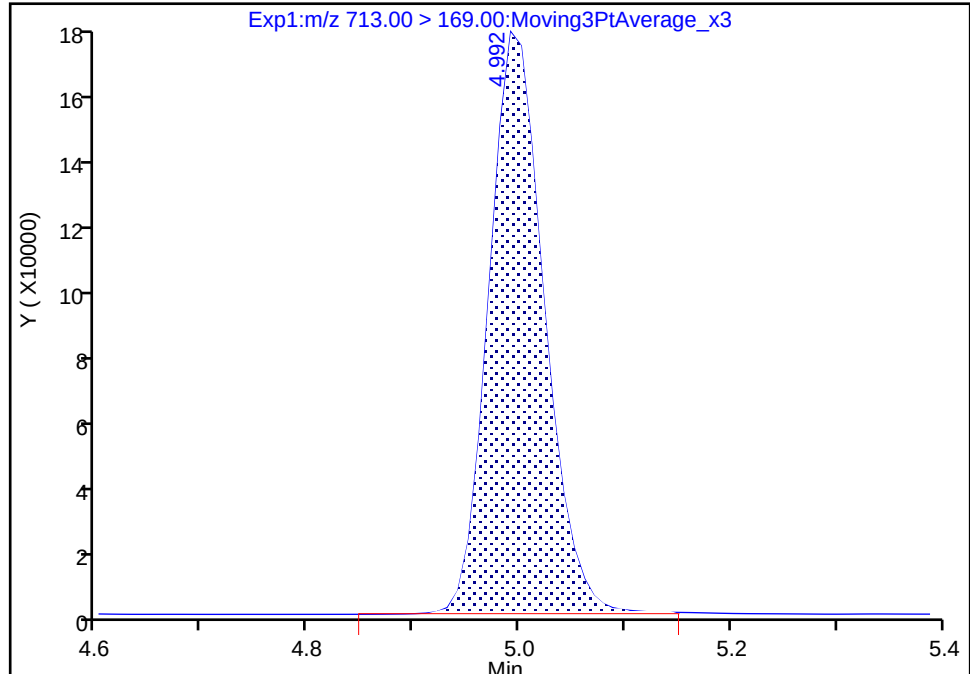
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

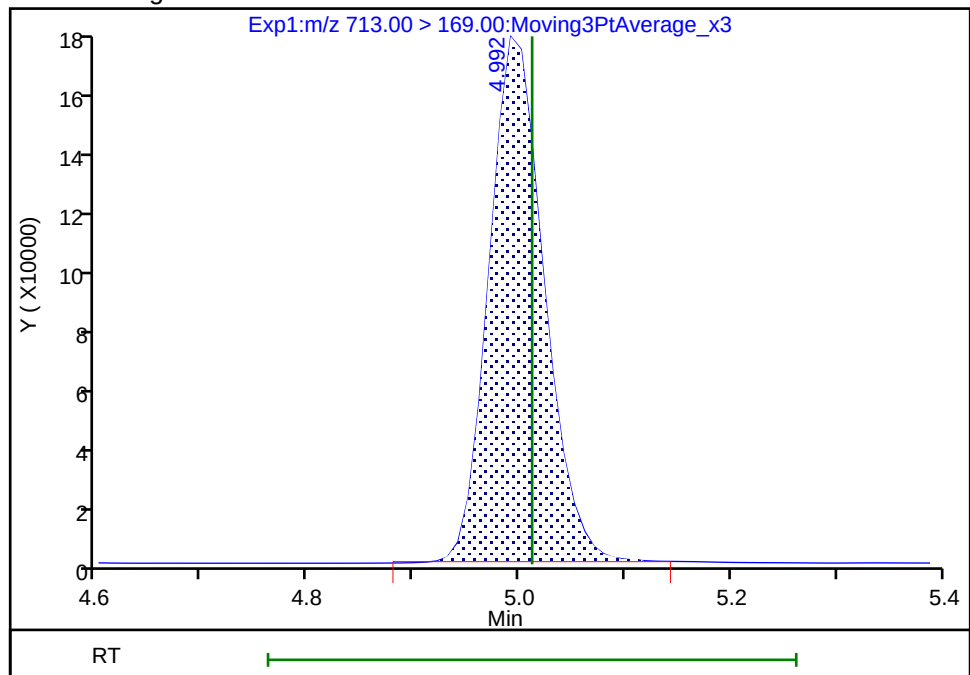
RT: 4.99
Area: 621360
Amount: 2.317102
Amount Units: ng/ml

Processing Integration Results



RT: 4.99
Area: 620921
Amount: 2.315465
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:58:40

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

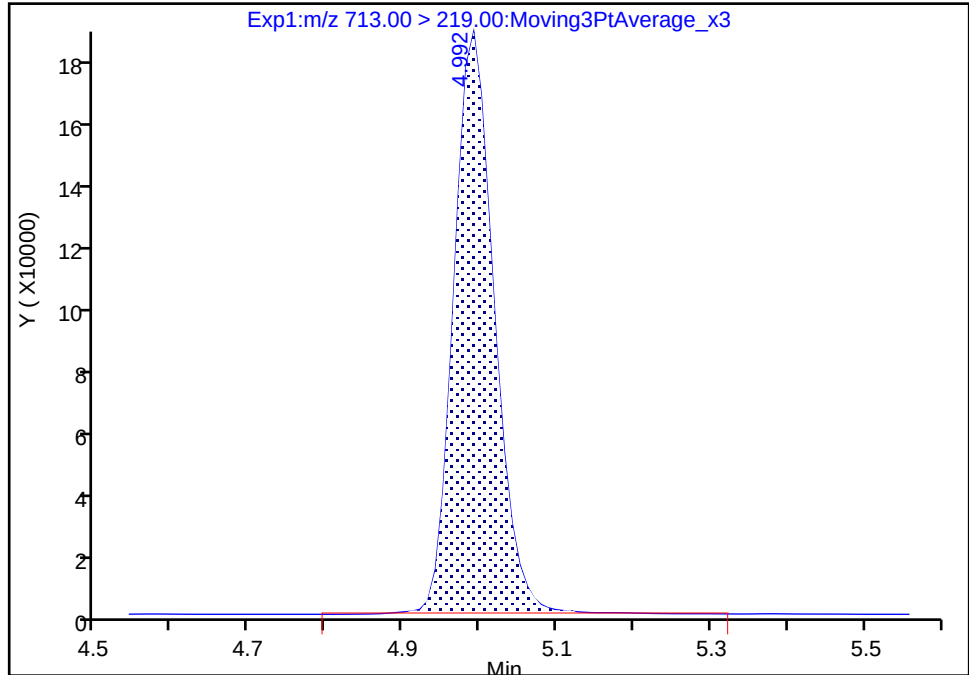
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

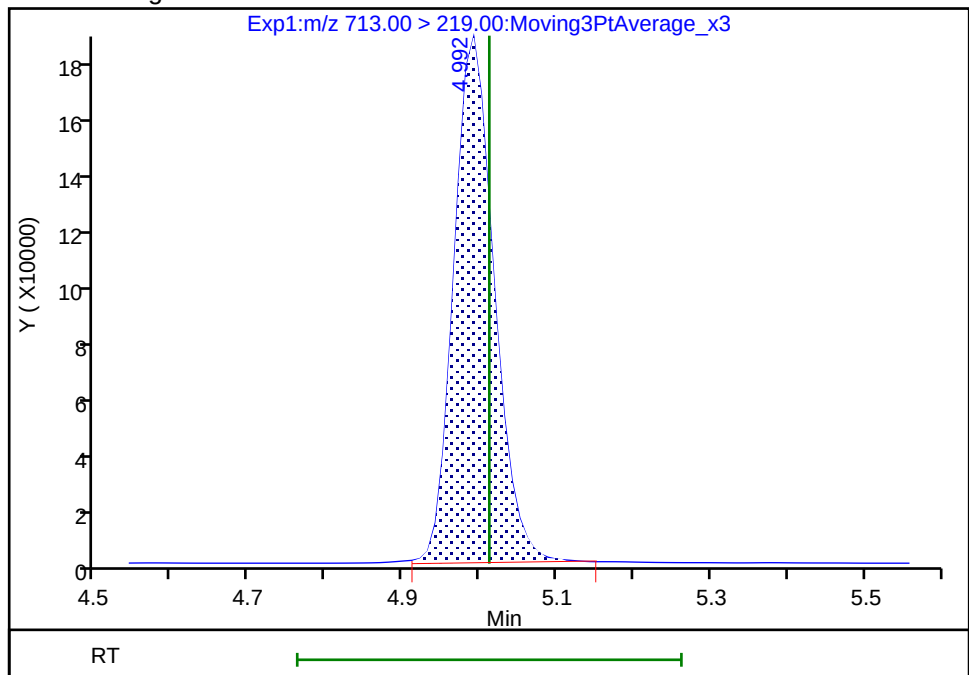
RT: 4.99
Area: 689439
Amount: 2.317102
Amount Units: ng/ml

Processing Integration Results



RT: 4.99
Area: 680598
Amount: 2.315465
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:58:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

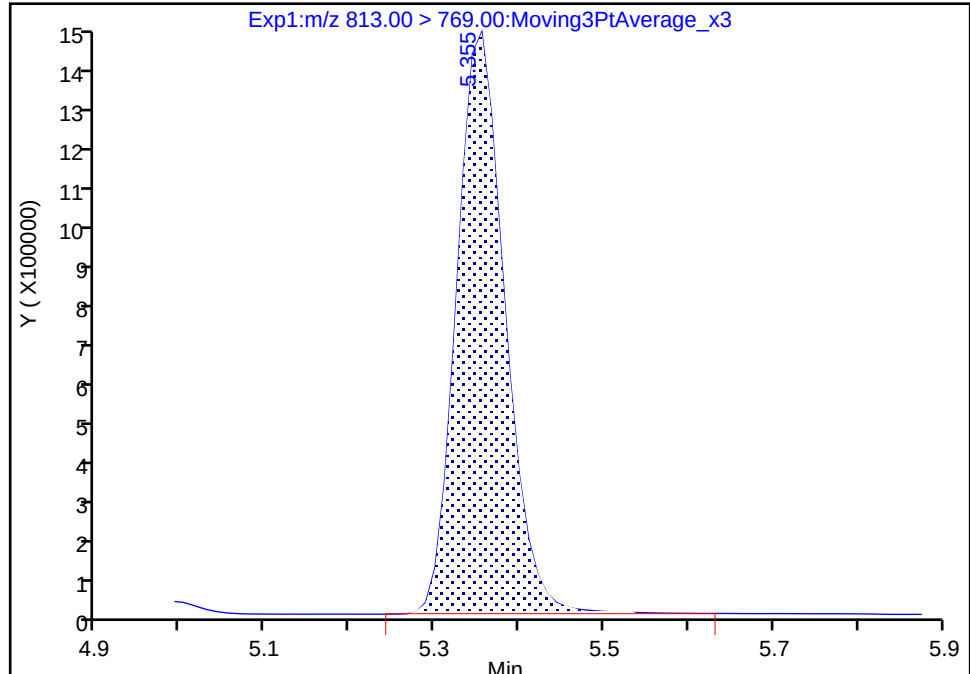
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

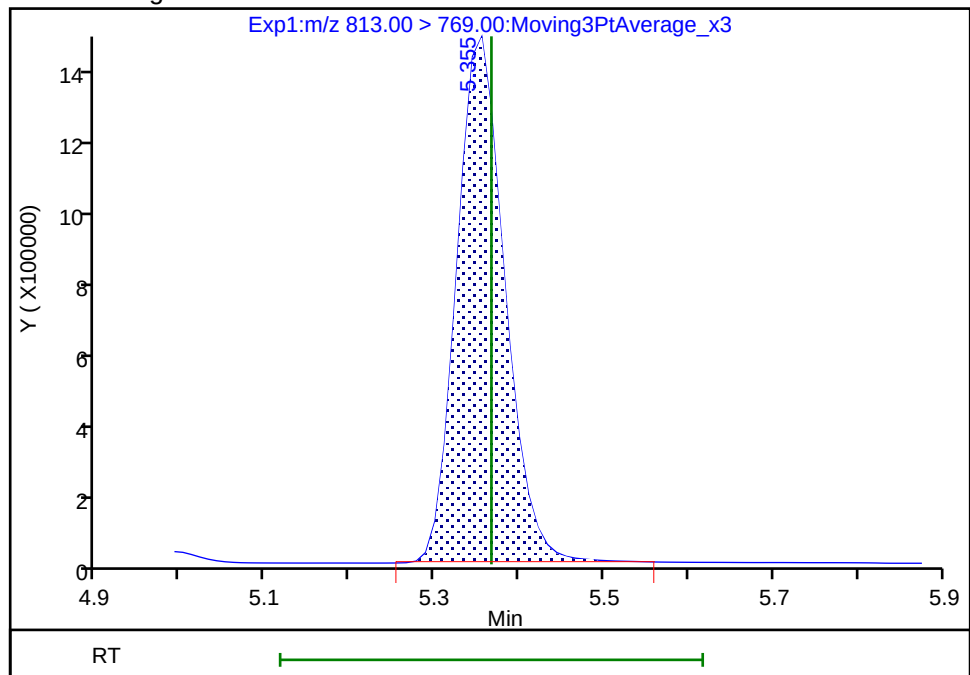
RT: 5.36
Area: 5567672
Amount: 2.436604
Amount Units: ng/ml

Processing Integration Results



RT: 5.36
Area: 5550212
Amount: 2.428909
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:58:54

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d

Injection Date: 19-Dec-2022 19:58:16

Instrument ID: LC812

Lims ID: CCV L5

Client ID:

Operator ID: lc812tech

ALS Bottle#: 14

Worklist Smp#: 14

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

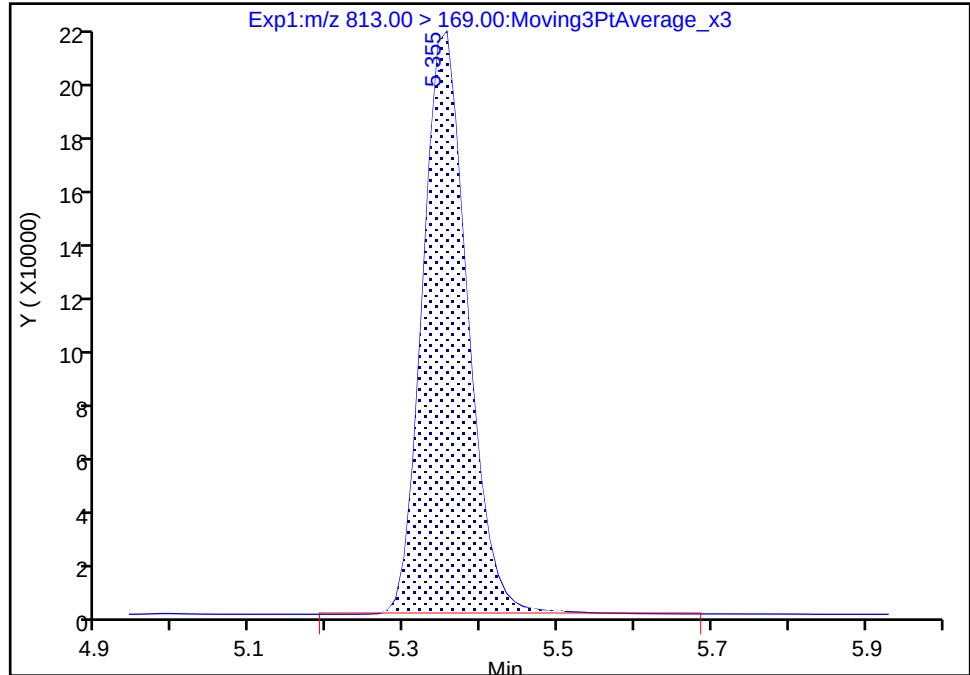
Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

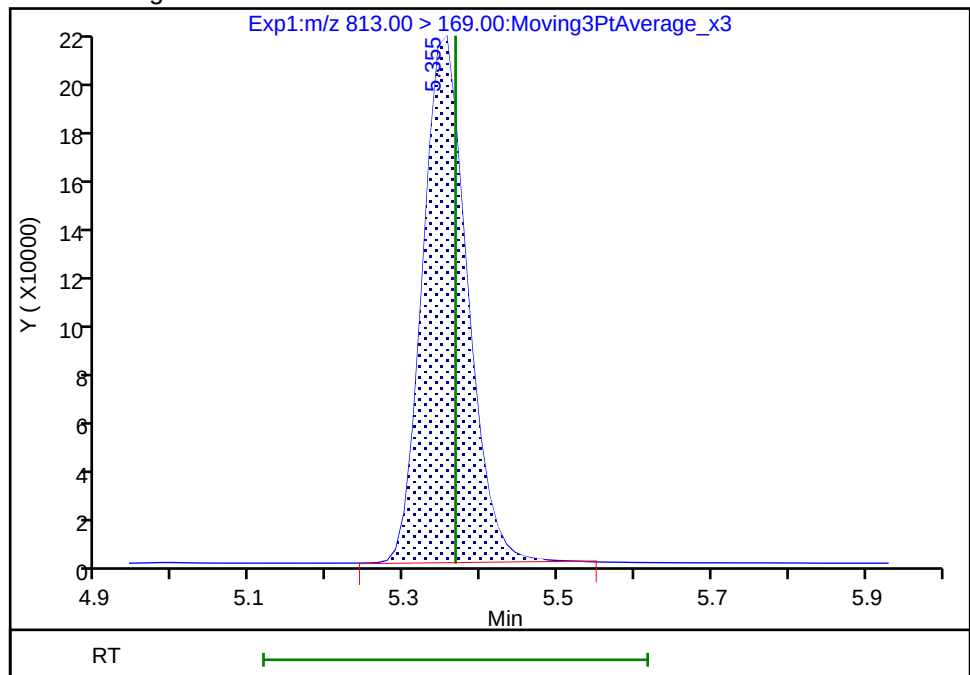
RT: 5.36
Area: 891367
Amount: 2.436604
Amount Units: ng/ml

Processing Integration Results



RT: 5.36
Area: 886048
Amount: 2.428909
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:59:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

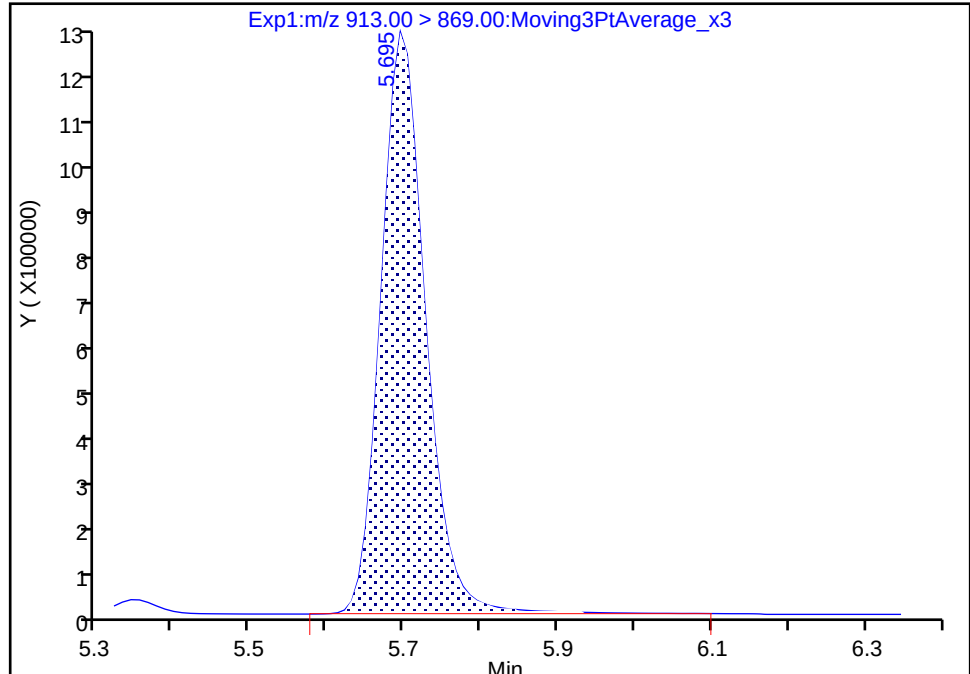
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

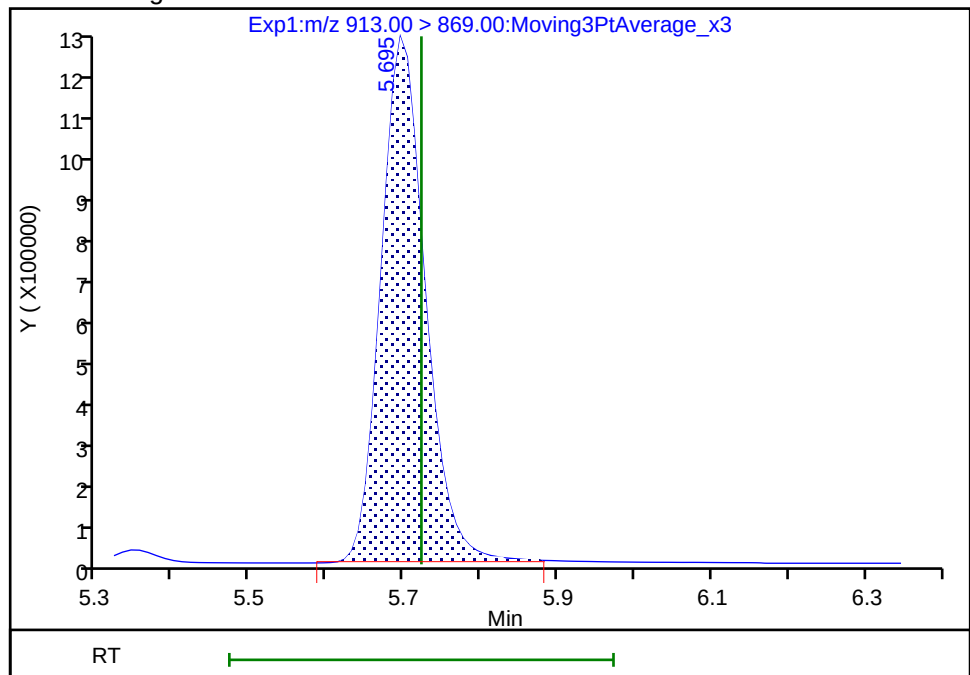
RT: 5.69
Area: 4971152
Amount: 2.445944
Amount Units: ng/ml

Processing Integration Results



RT: 5.69
Area: 4900692
Amount: 2.411276
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:59:08

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

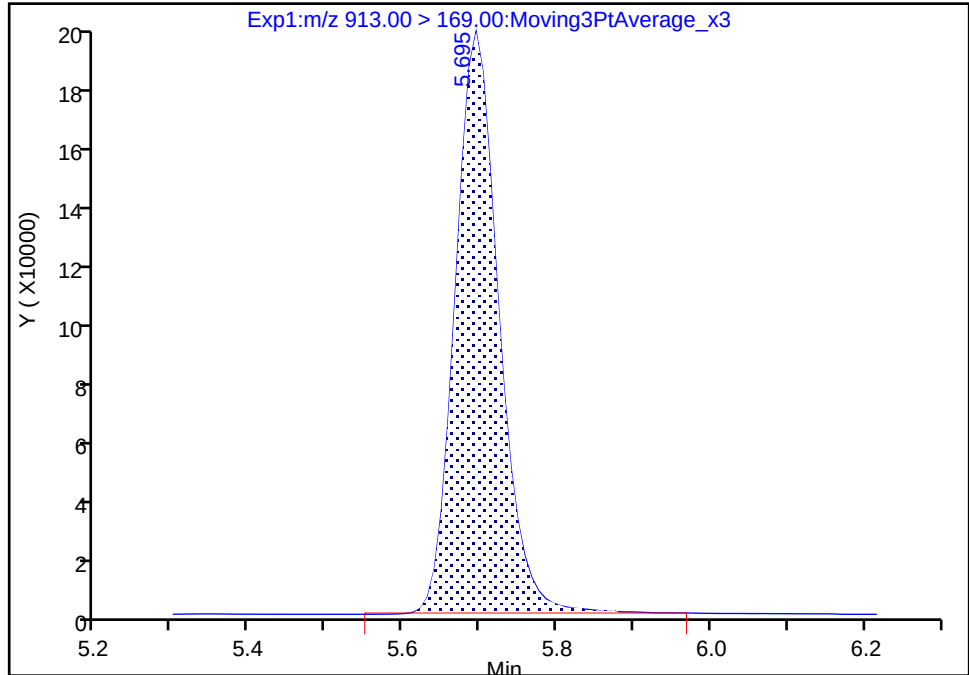
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B14.d
Injection Date: 19-Dec-2022 19:58:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

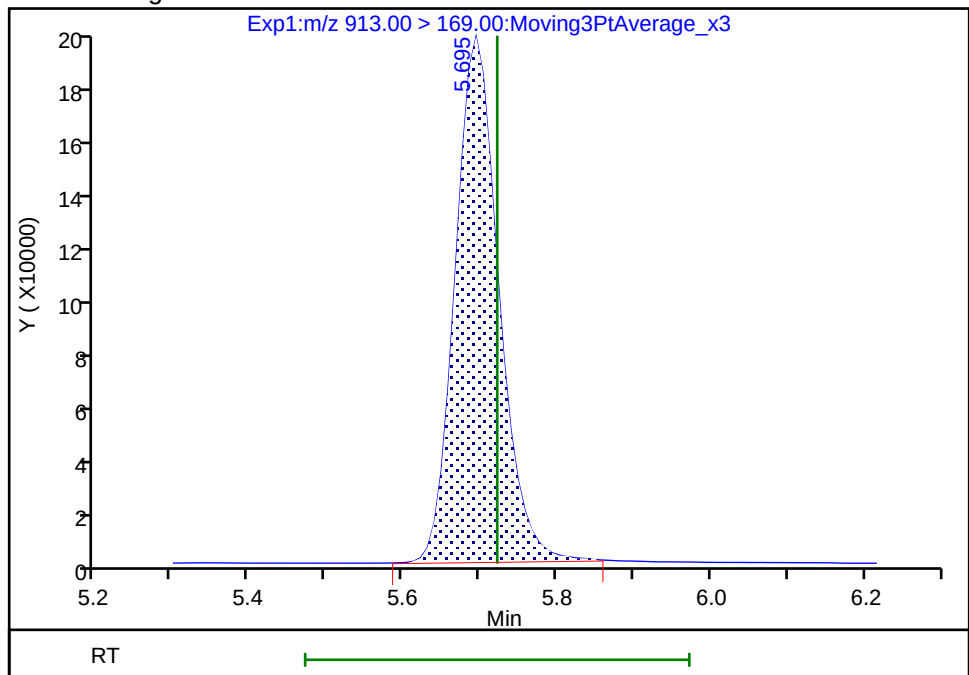
RT: 5.69
Area: 759222
Amount: 2.445944
Amount Units: ng/ml

Processing Integration Results



RT: 5.69
Area: 750334
Amount: 2.411276
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:59:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-271302-1

SDG No.: _____

Lab Sample ID: CCV 200-186872/27 Calibration Date: 12/19/2022 21:44

Instrument ID: LC812 Calib Start Date: 11/18/2022 14:29

GC Column: C-18 ID: 4.60 (mm) Calib End Date: 11/18/2022 15:10

Lab File ID: PA221219B27.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	1.031	0.9027		0.875	1.00	-12.5	
Perfluoropentanoic acid (PFPeA)	AveID	1.090	1.014		0.931	1.00	-6.9	
Perfluorobutanesulfonic acid (PFBS)	AveID	1.144	1.016		0.785	0.884	-11.2	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	3.081	2.854		0.865	0.934	-7.4	
Perfluorohexanoic acid (PFHxA)	AveID	1.090	0.9926		0.911	1.00	-8.9	
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.335	1.183		0.831	0.938	-11.4	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.056	0.9905		0.938	1.00	-6.2	
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.129	1.014		0.818	0.910	-10.2	
Perfluoroheptanoic acid (PFHpA)	AveID	1.089	0.9799		0.900	1.00	-10.0	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	5.507	5.310		0.908	0.942	-3.6	
6:2 FTS	L1ID		2.132		0.945	0.948	-0.3	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.397	1.283		0.875	0.952	-8.1	
Perfluorooctanoic acid (PFOA)	AveID	1.069	0.995		0.931	1.00	-6.9	
Perfluorooctanesulfonic acid (PFOS)	AveID	1.216	1.091		0.833	0.928	-10.3	
Perfluorononanoic acid (PFNA)	AveID	1.037	0.9719		0.937	1.00	-6.3	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	AveID	2.791	2.628		0.877	0.932	-5.9	
Perfluorononanesulfonic acid (PFNS)	AveID	0.9179	0.8881		0.929	0.960	-3.2	
8:2 FTS	AveID	1.617	1.666		0.987	0.958	3.0	
Perfluorodecanoic acid (PFDA)	AveID	1.084	1.011		0.932	1.00	-6.8	
Perfluorooctanesulfonamide (FOSA)	AveID	1.045	0.9371		0.897	1.00	-10.3	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	L1ID		0.8224		0.944	1.00	-5.6	30.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.7248	0.6854		0.912	0.964	-5.4	
Perfluoroundecanoic acid (PFUnA)	AveID	1.008	0.9777		0.970	1.00	-3.0	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.8953	0.8060		0.900	1.00	-10.0	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF)	AveID	4.303	4.147		0.908	0.942	-3.6	
Perfluorododecanoic acid (PFDoA)	AveID	1.059	0.9209		0.869	1.00	-13.1	
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	AveID	0.9717	0.9734		0.966	0.964	0.2	
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.3067	0.2997		0.946	0.968	-2.3	

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-271302-1
 SDG No.: _____
 Lab Sample ID: CCV 200-186872/27 Calibration Date: 12/19/2022 21:44
 Instrument ID: LC812 Calib Start Date: 11/18/2022 14:29
 GC Column: C-18 ID: 4.60 (mm) Calib End Date: 11/18/2022 15:10
 Lab File ID: PA221219B27.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorotridecanoic acid (PFTrIA)	AveID	1.013	0.9178		0.906	1.00	-9.4	
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1369	0.1221		0.892	1.00	-10.8	
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		0.8888		0.950	1.00	-5.0	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.8236	0.8233		1.00	1.00	-0.0	
13C4 PFBA	Ave	1.122	1.056		1.18	1.25	-5.9	
13C5 PFPeA	Ave	0.8543	0.8315		1.22	1.25	-2.7	
13C3 PFBS	Ave	0.9281	0.9358		1.17	1.16	0.8	
M2-4:2 FTS	Ave	0.0820	0.0778		1.11	1.17	-5.2	
13C2 PFHxA	Ave	0.8951	0.8929		1.25	1.25	-0.2	
13C3 HFPO-DA	Ave	0.1580	0.1485		1.18	1.25	-6.0	
18O2 PFHxS	Ave	0.6761	0.7019		1.23	1.18	3.8	50.0
13C4 PFHpA	Ave	0.9206	0.9504		1.29	1.25	3.2	50.0
M2-6:2 FTS	Ave	0.1134	0.1128		1.18	1.19	-0.5	
13C4 PFOA	Ave	1.035	1.077		1.30	1.25	4.0	50.0
13C4 PFOS	Ave	0.4588	0.4568		1.19	1.20	-0.4	50.0
13C5 PFNA	Ave	1.006	1.042		1.30	1.25	3.6	50.0
13C2 PFDA	Ave	1.025	1.106		1.35	1.25	7.9	
M2-8:2 FTS	Ave	0.1387	0.1348		1.16	1.20	-2.8	
13C8 FOSA	Ave	0.8403	0.8596		1.28	1.25	2.3	
d3-NMeFOSAA	Ave	0.2087	0.2216		1.33	1.25	6.2	
13C2 PFUnA	Ave	0.9385	0.9791		1.30	1.25	4.3	
d5-NEtFOSAA	Ave	0.2055	0.2203		1.34	1.25	7.2	
13C2 PFDoA	Ave	0.9562	1.030		1.35	1.25	7.7	
13C2 PFTeDA	Ave	0.8270	0.9754		1.47	1.25	17.9	
13C2 PFHxDA	Ave	1.022	1.111		1.36	1.25	8.7	

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d
 Lims ID: CCV L4
 Client ID:
 Sample Type: CCV
 Inject. Date: 19-Dec-2022 21:44:40 ALS Bottle#: 27 Worklist Smp#: 27
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: CCV L4
 Misc. Info.: 200-0053737-027 Plate: 1 Rack: 2
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 22-Dec-2022 09:37:35 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1616

First Level Reviewer: khanphomeea

Date: 20-Dec-2022 10:43:10

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	2.085	2.076	0.009	0.606	2822461	1.18		94.1	16555	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.076	0.009	1.000	2038309	0.8754		87.5	171	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.387	0.013	0.698	2222743	1.22		97.3	3202	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.400	2.387	0.013	1.000	1803663	0.9307		93.1	52.4	
D 47 13C3 PFBS										
301.90 > 80.00	2.414	2.400	0.014	0.702	2326619	1.17		101	263938	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.414	2.400	0.014	1.000	1798392	0.7854	Target=2.09	88.8	2089	M
298.90 > 99.00	2.414	2.400	0.014	1.000	857387		2.10(1.04-3.13)		594	
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.701	2.689	0.012	1.000	443290	0.8651		92.6	1325	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.701	2.689	0.012	0.785	194183	1.11		94.8	195	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.738	2.725	0.013	0.796	2387069	1.25		99.8	4364	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.738	2.725	0.013	1.000	1895518	0.9110	Target=14.25	91.1	347	M
313.00 > 119.00	2.738	2.725	0.013	1.000	134057		14.14(7.12-21.37)		199	M
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.738	2.737	0.001	0.887	1665628	0.8309	Target=3.04	88.6	2184	M
349.00 > 99.00	2.738	2.737	0.001	0.887	559935		2.97(1.52-4.56)		1052	M
67 Perfluoro(2-propoxypropanoic) ac										
285.00 > 169.00	2.835	2.835	0.0	1.000	314638	0.9380		93.8	977	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.835	2.835	0.0	0.824	397077	1.18		94.0	2230	
D 11 18O2 PFHxS										
403.00 > 84.00	3.088	3.088	0.0	0.898	1775049	1.23		104	3957	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.088	3.088	0.0	1.000	1385127	0.8176	Target=3.66	89.8	1456	M
399.00 > 99.00	3.088	3.088	0.0	1.000	418216		3.31(1.83-5.49)		628	
D 9 13C4 PFHpA										
367.00 > 322.00	3.099	3.099	0.0	0.901	2540719	1.29		103	4366	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.099	3.099	0.0	1.000	1991673	0.9000	Target=3.97	90.0	422	M
363.00 > 169.00	3.099	3.099	0.0	1.000	489775		4.07(1.98-5.95)		901	M
77 DONA										
377.00 > 251.00	3.132	3.132	0.0	0.834	4885945	0.9082	Target=3.16	96.4	3143	
377.00 > 85.00	3.132	3.132	0.0	0.834	1535041		3.18(1.58-4.73)		2252	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.431	3.439	-0.008	0.997	286393	1.18		99.5	770	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.431	3.439	-0.008	1.000	487495	0.9450		99.7	880	M
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.431	3.439	-0.008	0.914	1193442	0.8747	Target=5.14	91.9	1799	M
449.00 > 99.00	3.431	3.439	-0.008	0.914	248500		4.80(2.57-7.72)		864	M
D 14 13C4 PFOA										
417.00 > 372.00	3.439	3.448	-0.009	1.000	2878009	1.30		104	8425	
* 62 13C2 PFOA										
415.00 > 370.00	3.439	3.448	-0.009		2673246	1.25			2371	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.448	3.448	0.0	1.003	2291333	0.9309	Target=2.79	93.1	166	M
413.00 > 169.00	3.448	3.448	0.0	1.003	772723		2.97(1.40-4.19)		846	M
D 18 13C4 PFOS										
503.00 > 80.00	3.755	3.764	-0.009	1.092	1167372	1.19		99.6	1840	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.755	3.764	-0.009	1.000	989444	0.8328	Target=5.11	89.7	1036	M
499.00 > 99.00	3.755	3.764	-0.009	1.000	212123		4.66(2.55-7.66)		695	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.774	3.783	-0.009	1.000	2165475	0.9369	Target=8.55	93.7	443	
463.00 > 169.00	3.774	3.783	-0.009	1.000	252589		8.57(4.28-12.83)		1757	
D 19 13C5 PFNA										
468.00 > 423.00	3.774	3.783	-0.009	1.097	2785095	1.29		104	5908	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.928	3.928	0.0	1.046	2392521	0.8775		94.1	3988	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.051	4.050	0.001	1.079	832889	0.9289	Target=2.53	96.8	3293	
549.00 > 99.00	4.051	4.050	0.001	1.079	326525		2.55(1.27-3.80)		1771	
D 23 13C2 PFDA										
515.00 > 470.00	4.071	4.081	-0.010	1.184	2955631	1.35		108	4505	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										
513.00 > 469.00	4.082	4.081	0.001	1.003	2390259	0.9322	Target=10.26	93.2	923	
513.00 > 169.00	4.071	4.081	-0.010	1.000	234029		10.21(5.13-15.38)		625	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.082	4.093	-0.011	1.187	345114	1.16		97.2	1339	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.082	4.093	-0.011	1.000	459841	0.9867		103	1424	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.150	4.150	0.0	1.003	1722804	0.8970		89.7	2009	
D 21 13C8 FOSA										
506.00 > 78.00	4.139	4.150	-0.011	1.203	2298041	1.28		102	2077	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.218	4.228	-0.010	1.226	592344	1.33		106	880	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.228	4.228	0.0	1.002	389722	0.9444		94.4	591	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.320	4.331	-0.011	1.151	645464	0.9117	Target=2.51	94.6	2387	
599.00 > 99.00	4.320	4.331	-0.011	1.151	245414		2.63(1.25-3.76)		1706	
D 30 13C2 PFUnA										
565.00 > 520.00	4.342	4.353	-0.011	1.263	2617417	1.30		104	5073	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.342	4.353	-0.011	1.000	2047202	0.9701	Target=9.88	97.0	810	M
563.00 > 169.00	4.342	4.353	-0.011	1.000	199882		10.24(4.94-14.82)		931	M
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.365	4.365	0.0	1.003	379757	0.9003		90.0	698	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.354	4.365	-0.011	1.266	588965	1.34		107	1033	
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.443	4.454	-0.011	1.183	3815919	0.9079		96.4	3073	M
37 Perfluorododecanoic acid										
613.00 > 569.00	4.580	4.591	-0.011	1.000	2028075	0.8692	Target=7.77	86.9	138	
613.00 > 169.00	4.580	4.591	-0.011	1.000	280448		7.23(3.89-11.66)		1312	
D 36 13C2 PFDaA										
615.00 > 570.00	4.580	4.591	-0.011	1.332	2752806	1.35		108	5455	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.602	4.612	-0.010	1.127	270433	0.9657		100	1892	M
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.758	4.776	-0.018	1.267	283364	0.9459	Target=0.50	97.7	1716	M
699.00 > 99.00	4.758	4.776	-0.018	1.267	530394		0.53(0.25-0.76)		2131	M
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.794	4.804	-0.010	1.047	2021213	0.9058	Target=5.21	90.6	144	M
663.00 > 169.00	4.794	4.804	-0.010	1.047	375096		5.39(2.60-7.81)		1203	M
42 Perfluorotetradecanoic acid										
713.00 > 169.00	4.992	5.012	-0.020	1.000	254602	0.8915	Target=0.89	89.2	1190	M
713.00 > 219.00	4.992	5.012	-0.020	1.000	272905		0.93(0.44-1.33)		818	M
D 43 13C2 PFTeDA										
715.00 > 670.00	4.992	5.012	-0.020	1.451	2607493	1.47		118	7531	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.356	5.367	-0.011	1.002	2111910	0.9496	Target=5.65	95.0	164	M
813.00 > 169.00	5.356	5.367	-0.011	1.002	346238		6.10(2.82-8.47)		1102	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.345	5.367	-0.023	1.554	2970076	1.36		109	4145	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.695	5.722	-0.027	1.066	1956310	1.00	Target=6.24	100.0	173	M
913.00 > 169.00	5.695	5.722	-0.027	1.066	289457		6.76(3.12-9.36)		634	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC4_00037

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d

Injection Date: 19-Dec-2022 21:44:40

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

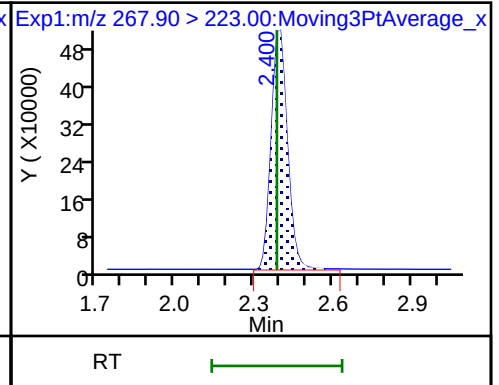
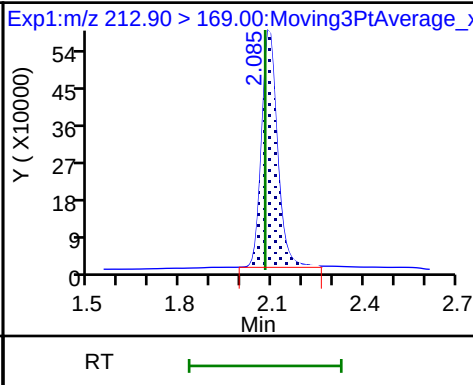
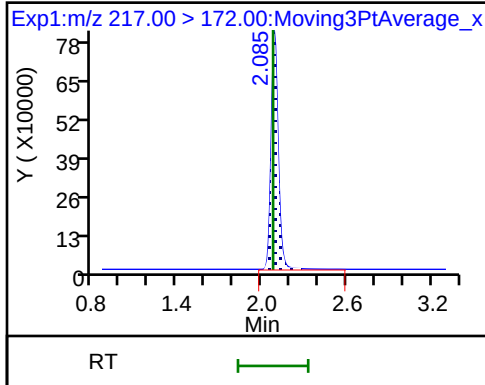
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

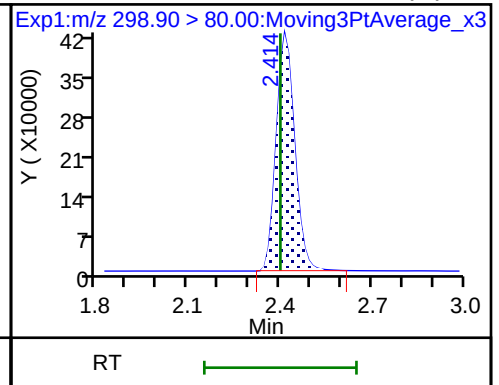
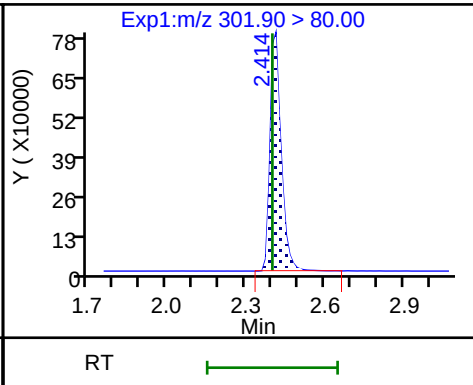
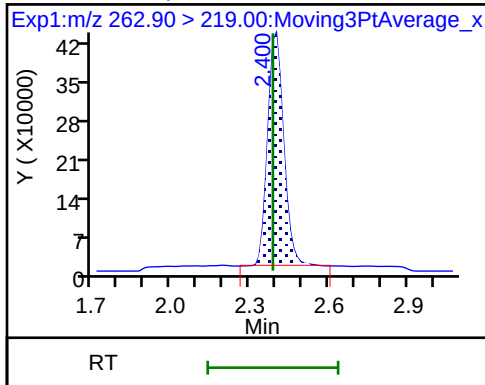
D 3 13C5 PFPeA



4 Perfluoropentanoic acid

D 47 13C3 PFBS

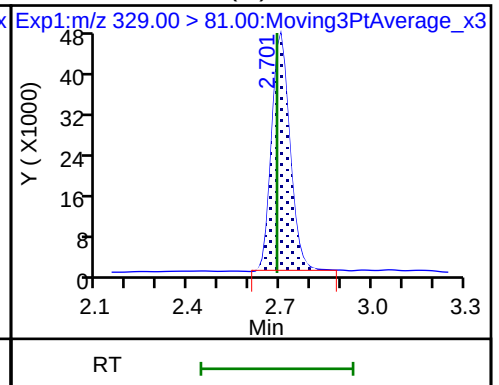
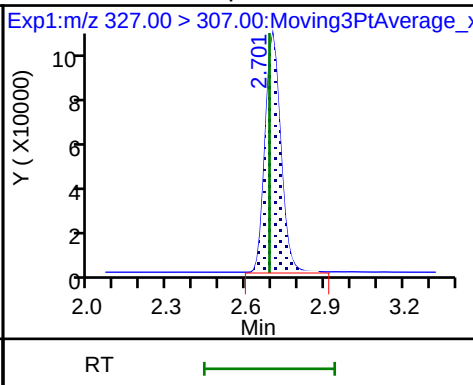
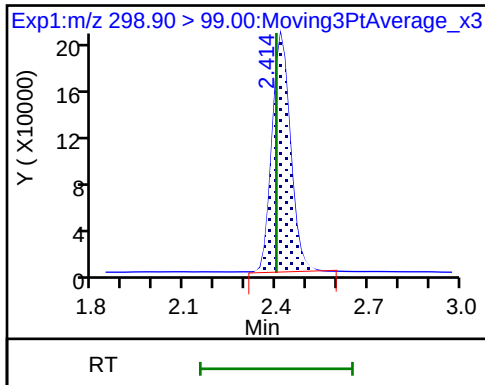
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid

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

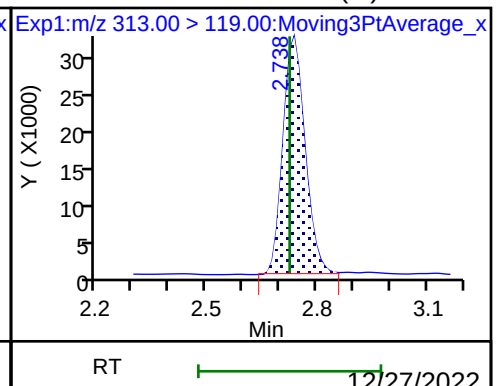
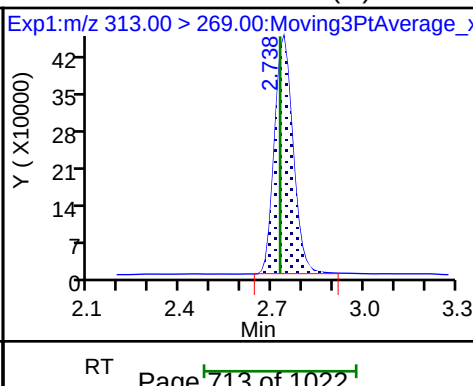
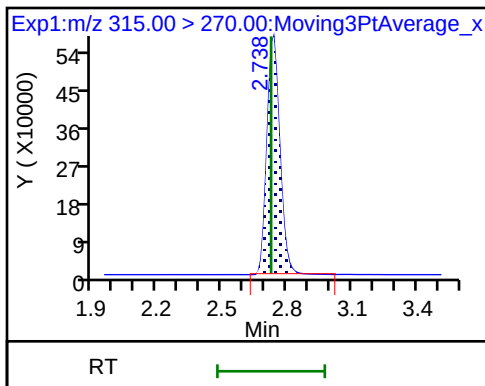
D 60 M2-4:2 FTS (M)



D 7 13C2 PFHxA

6 Perfluorohexanoic acid (M)

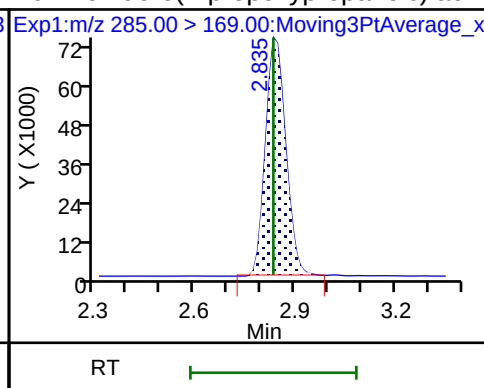
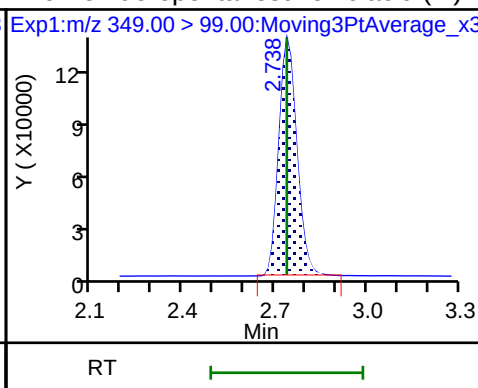
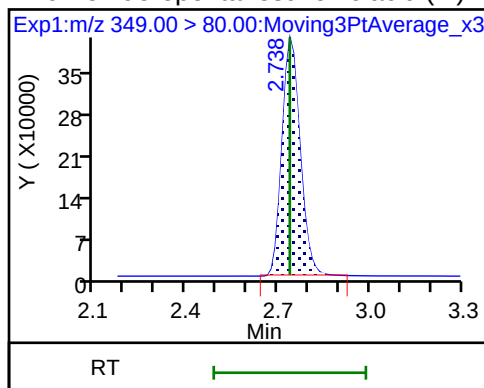
6 Perfluorohexanoic acid (M)



70 Perfluoropentanesulfonic acid (M)

70 Perfluoropentanesulfonic acid (M)

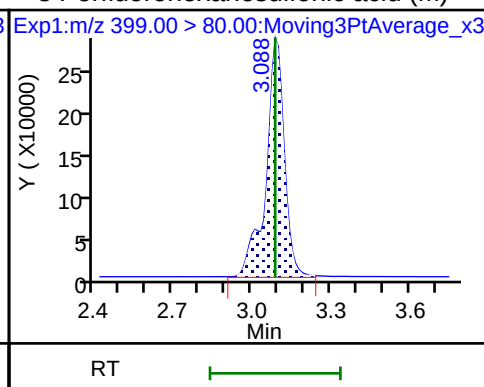
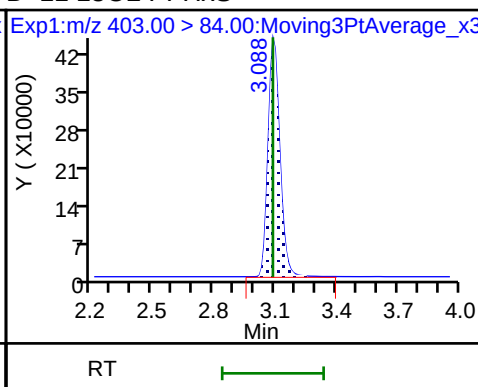
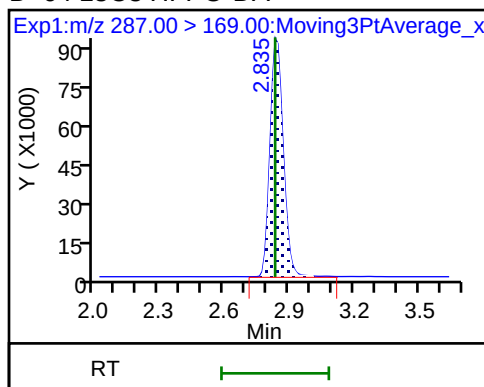
67 Perfluoro(2-propoxypropanoic) ac



D 64 13C3 HFPO-DA

D 11 18O2 PFHxS

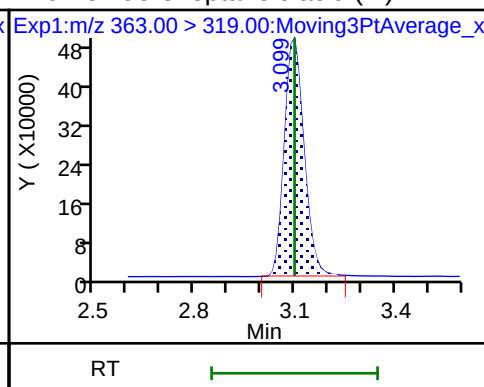
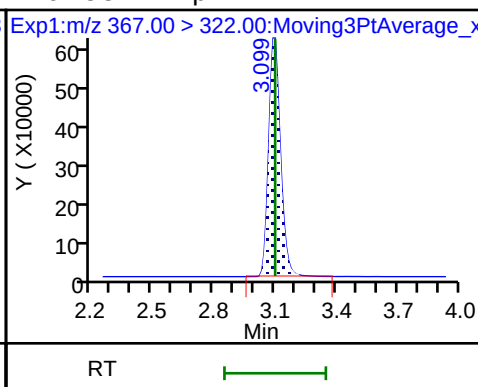
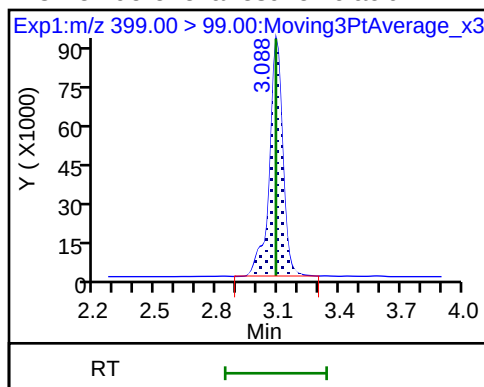
8 Perfluorohexanesulfonic acid (M)



8 Perfluorohexanesulfonic acid

D 9 13C4 PFHxPa

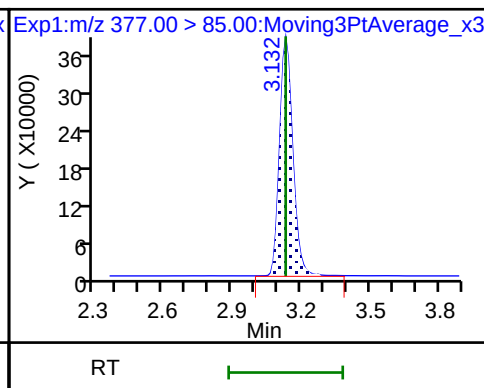
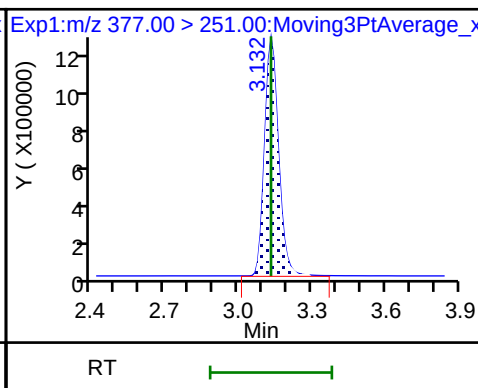
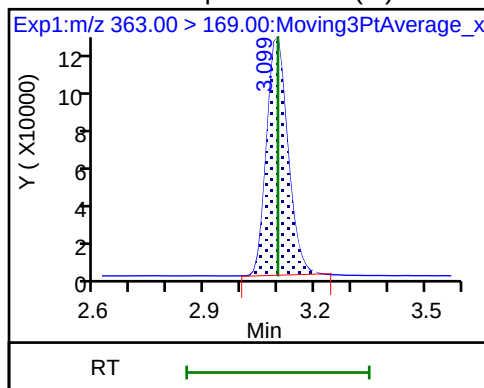
10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid (M)

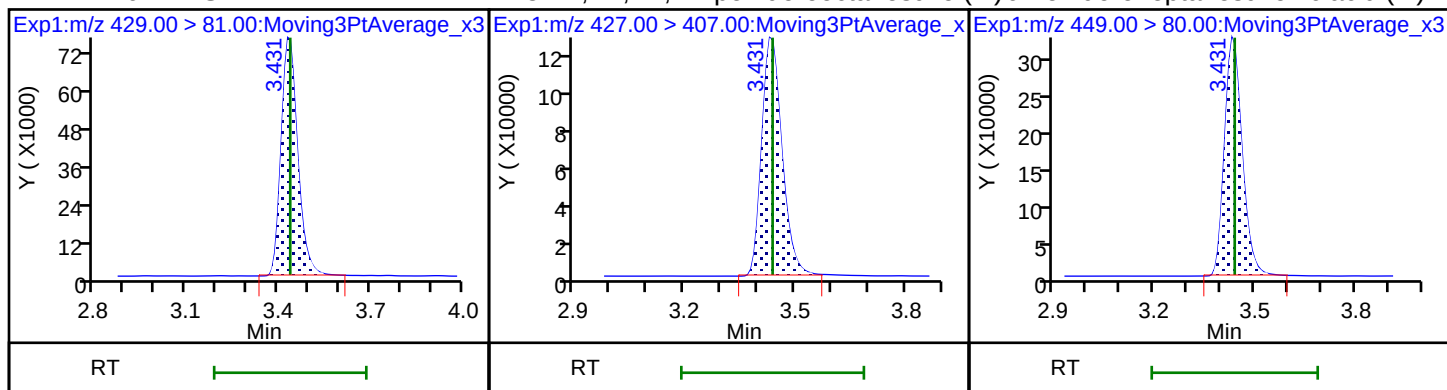
77 DONA

77 DONA



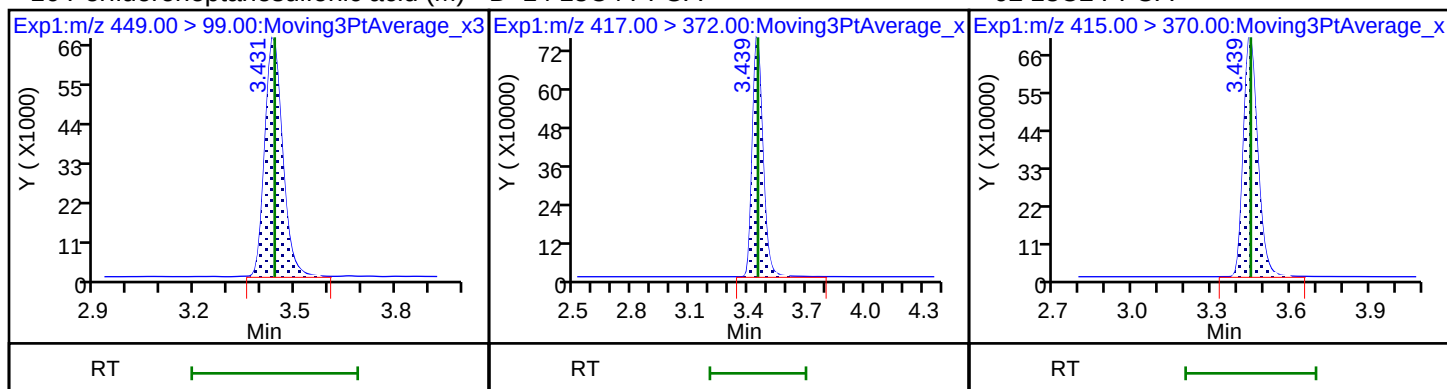
D 12 M2-6:2 FTS

13 1H,1H,2H,2H-perfluorooctanesulfo (M) 16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M) D 14 13C4 PFOA

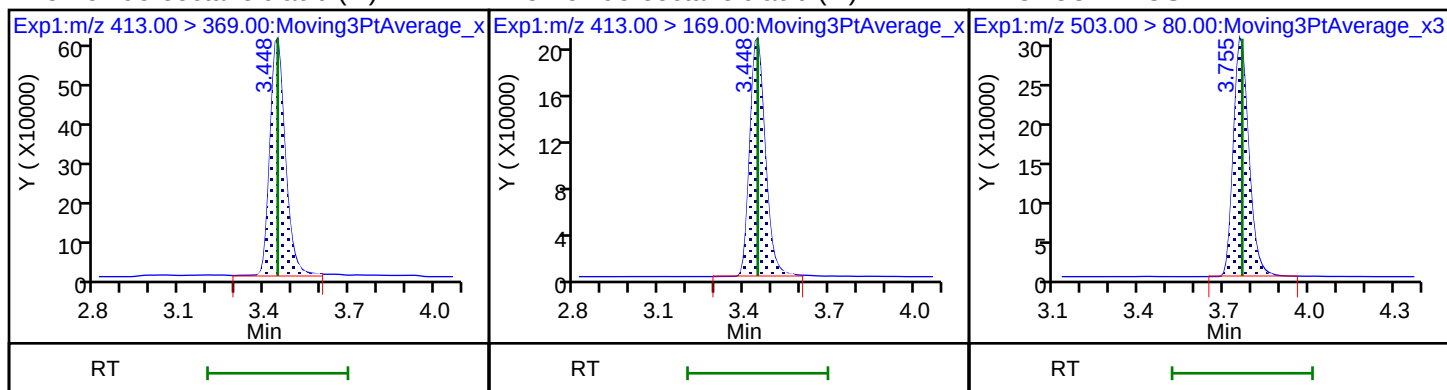
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

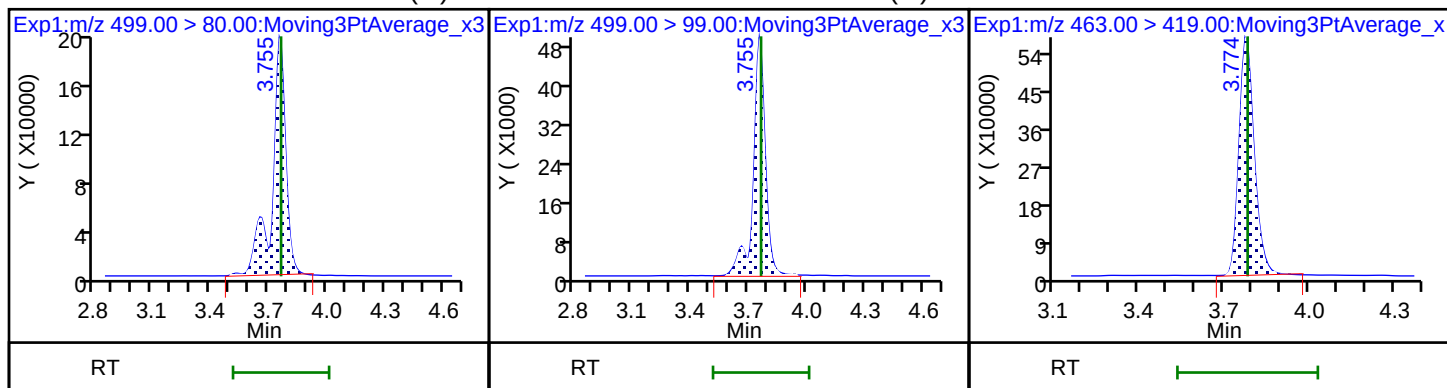
D 18 13C4 PFOS

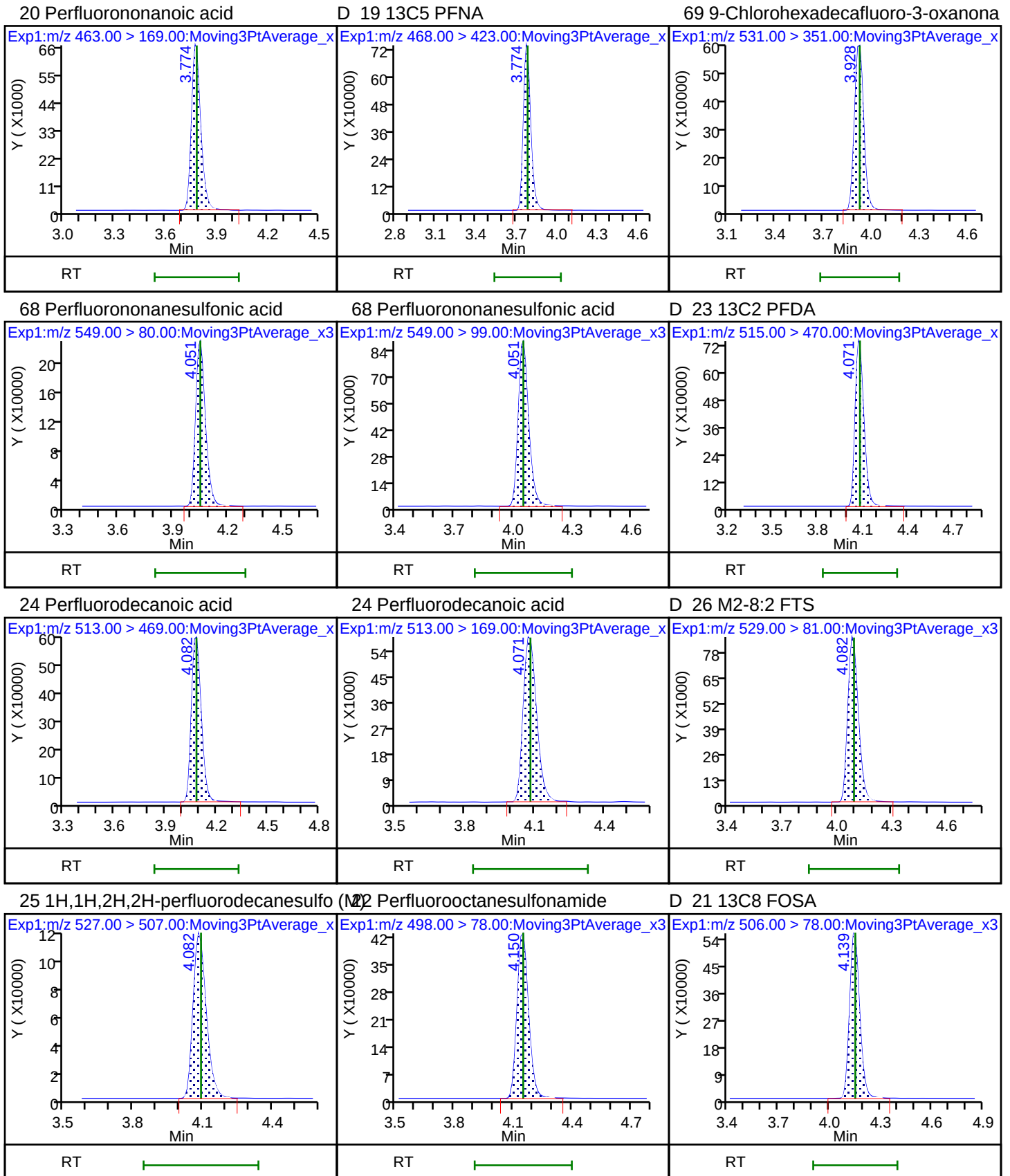


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid

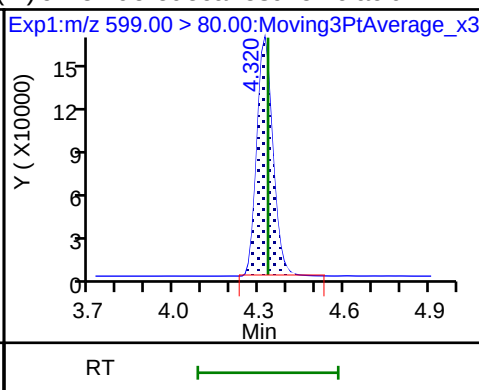
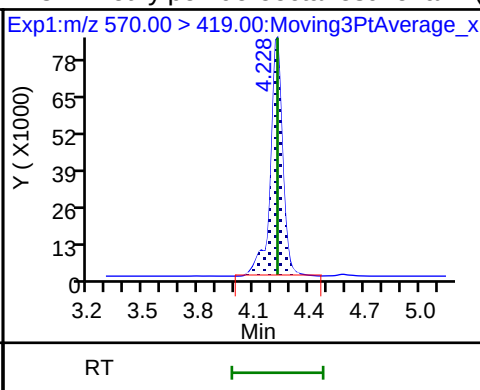
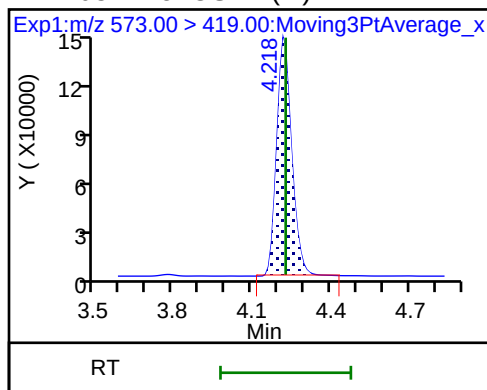




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

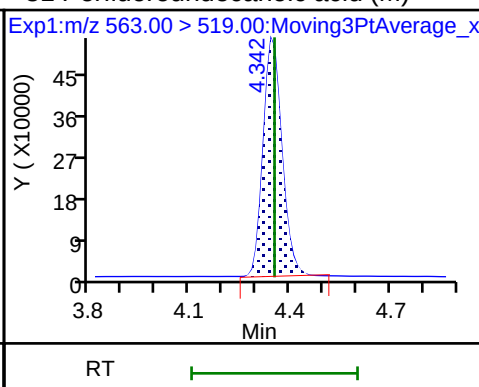
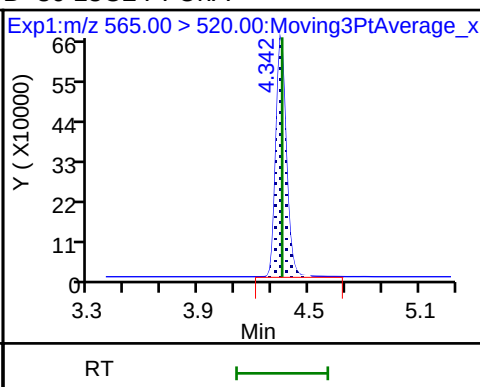
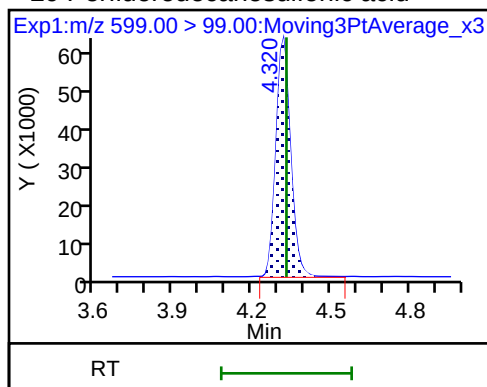
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid

D 30 13C2 PFUnA

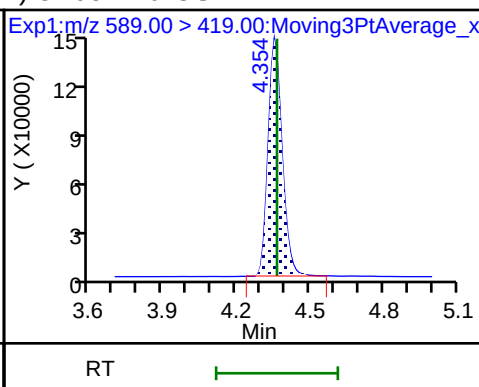
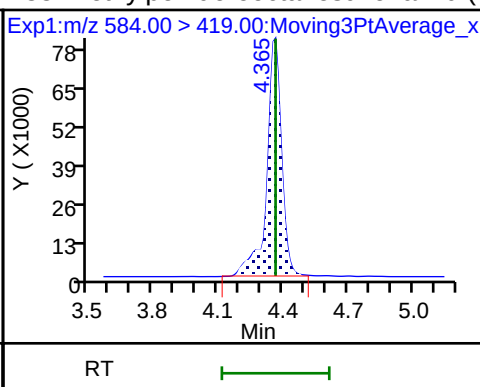
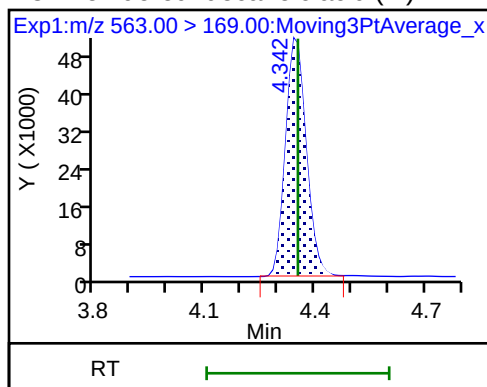
31 Perfluoroundecanoic acid (M)



31 Perfluoroundecanoic acid (M)

33 N-ethylperfluorooctanesulfonamid (M)

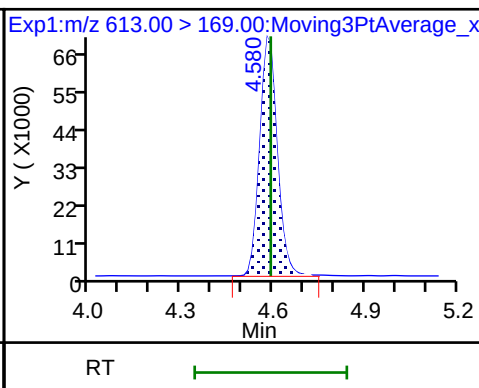
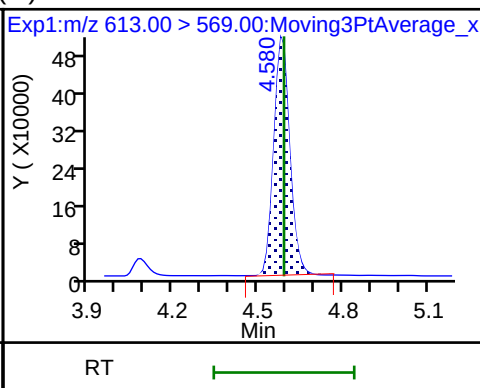
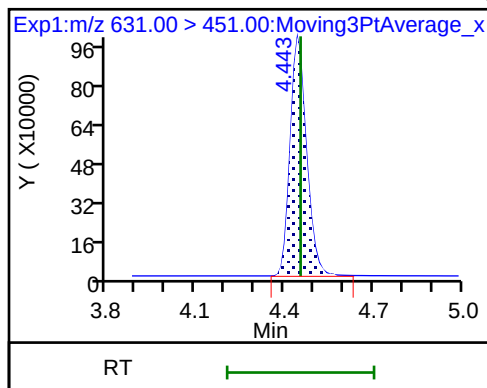
32 d5-NEtFOSAA



66 11-Chloroeicosafluoro-3-oxaundec (M)

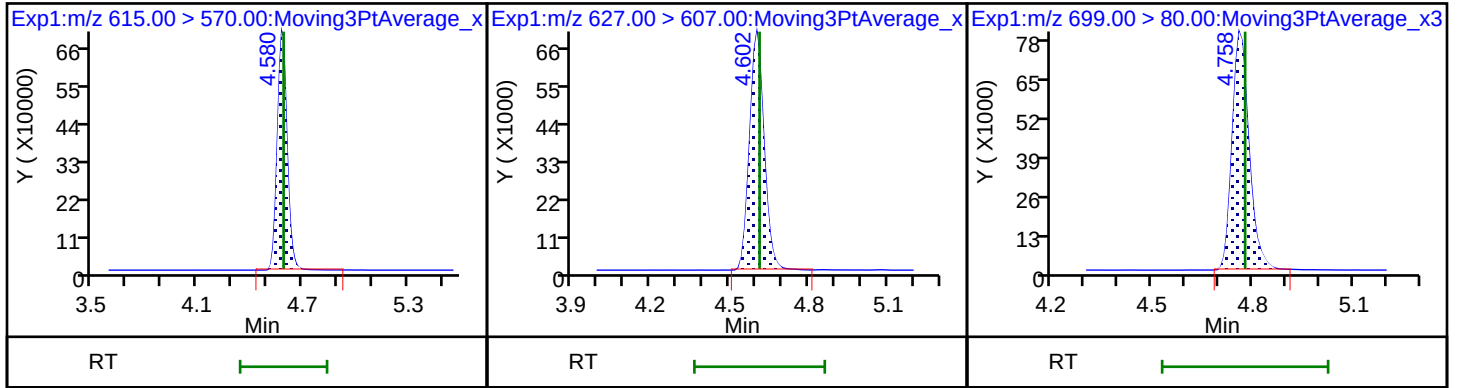
37 Perfluorododecanoic acid

37 Perfluorododecanoic acid



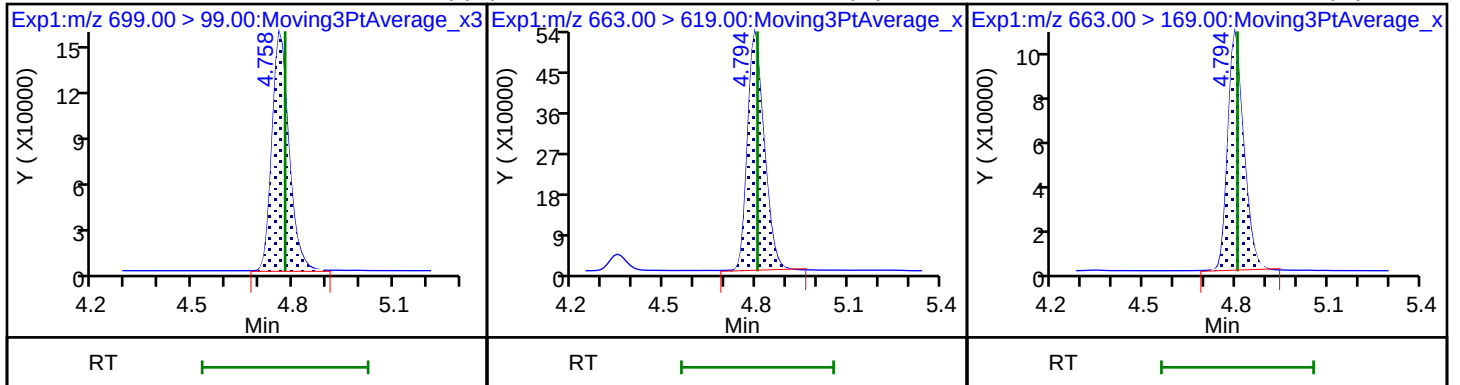
D 36 13C2 PFDaA

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



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

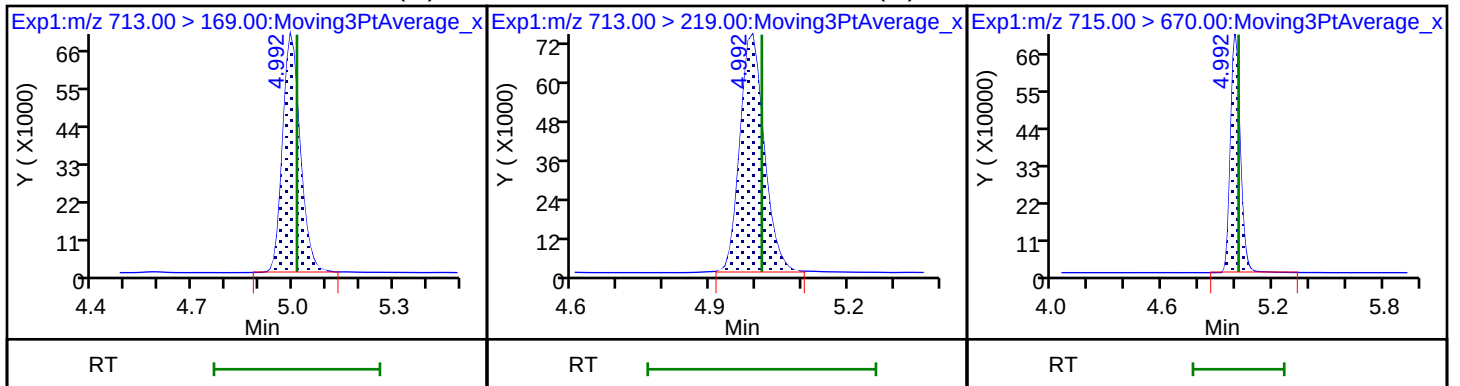
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

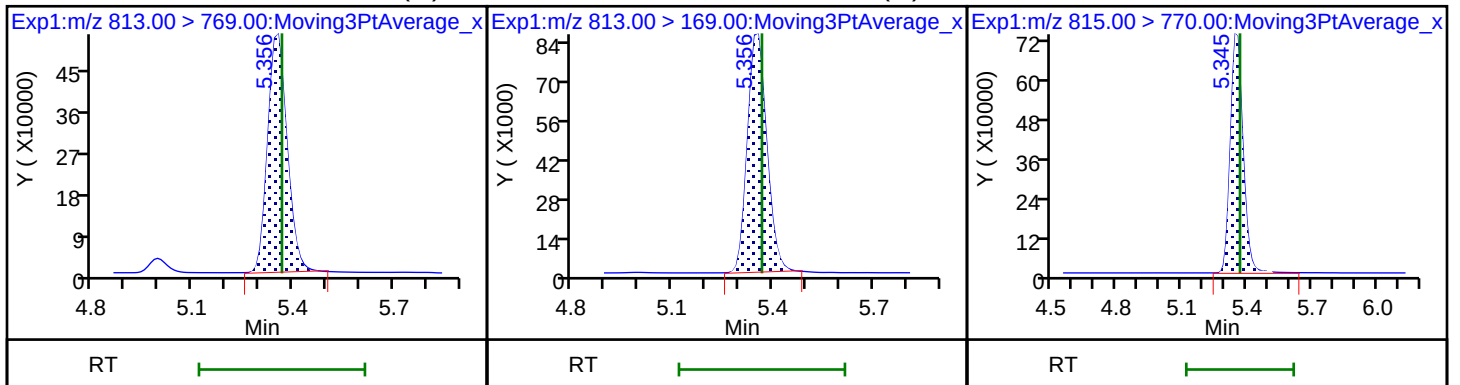
D 43 13C2 PFTeDA



45 Perfluorohexadecanoic acid (M)

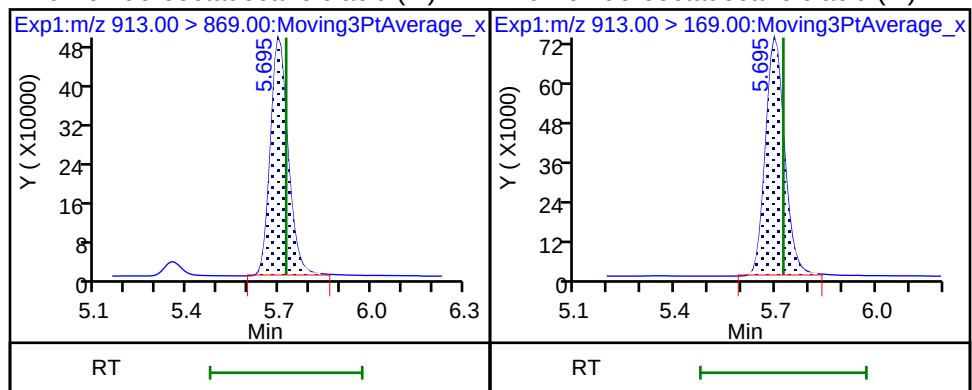
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

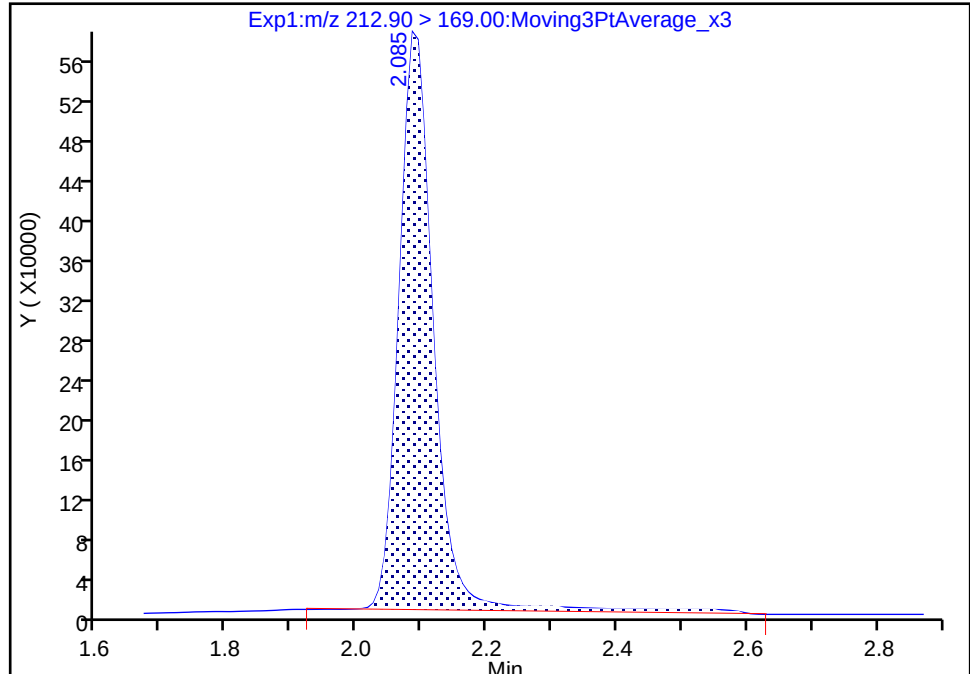
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d
Injection Date: 19-Dec-2022 21:44:40 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

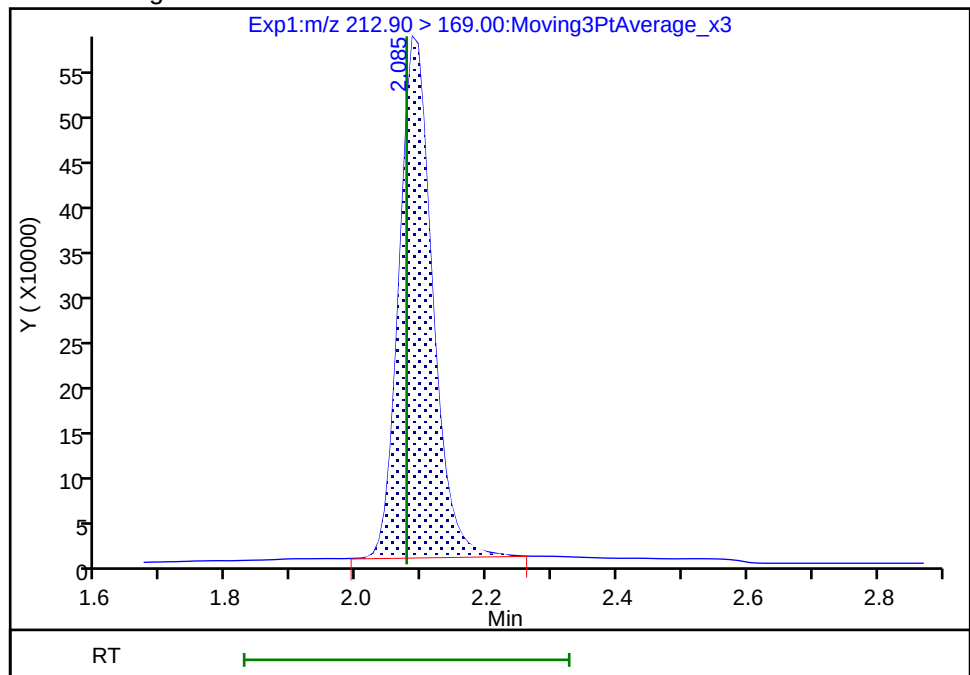
RT: 2.09
Area: 2176141
Amount: 0.934604
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 2038309
Amount: 0.875409
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:38:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

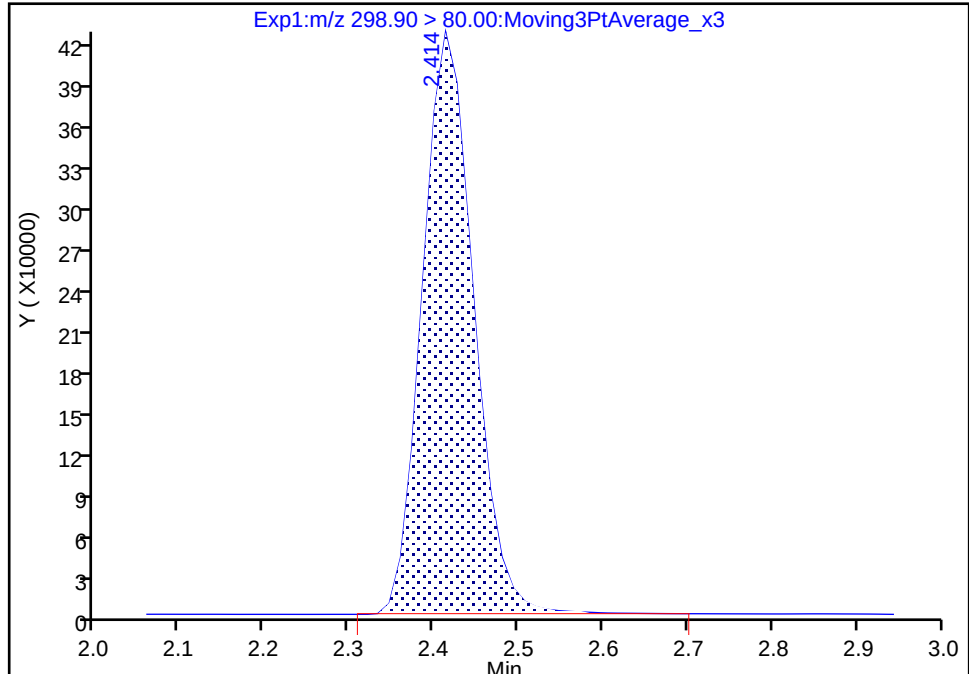
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d
Injection Date: 19-Dec-2022 21:44:40 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

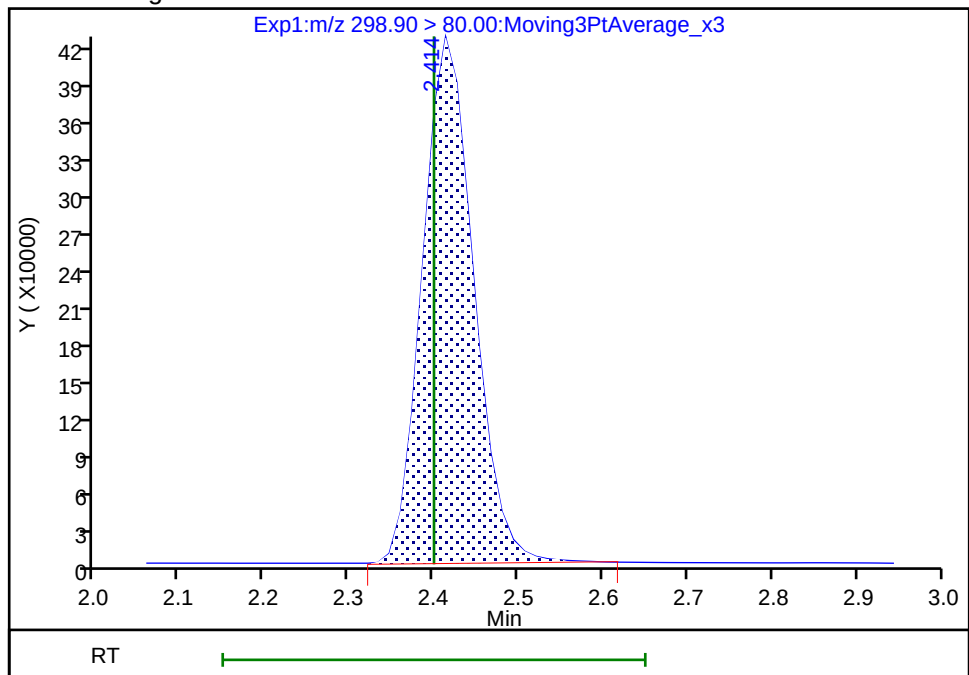
RT: 2.41
Area: 1804014
Amount: 0.787861
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 1798392
Amount: 0.785406
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:39:06

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

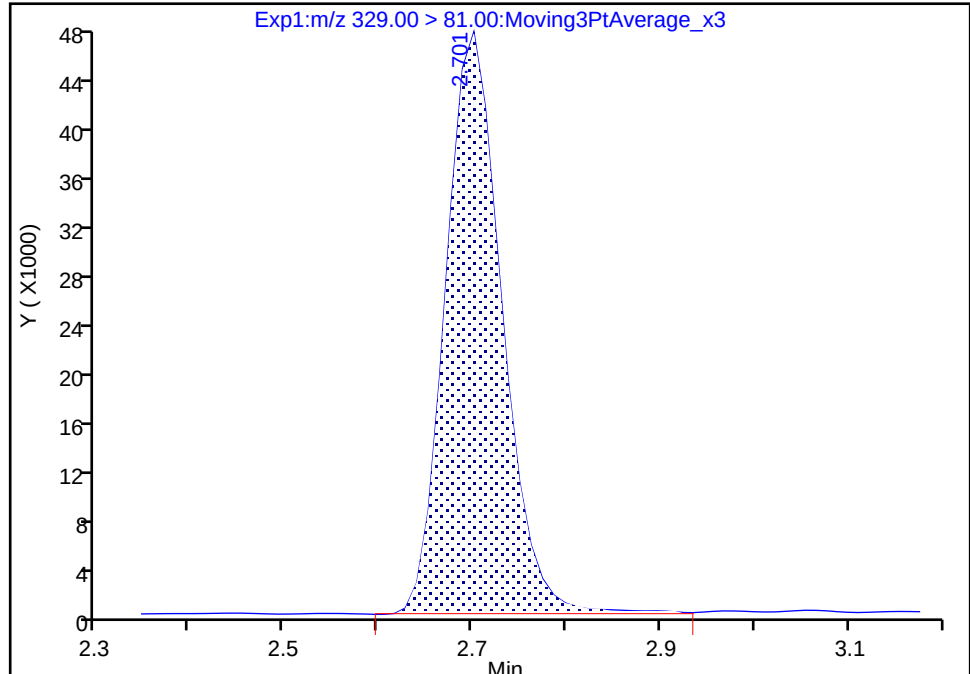
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d
Injection Date: 19-Dec-2022 21:44:40 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

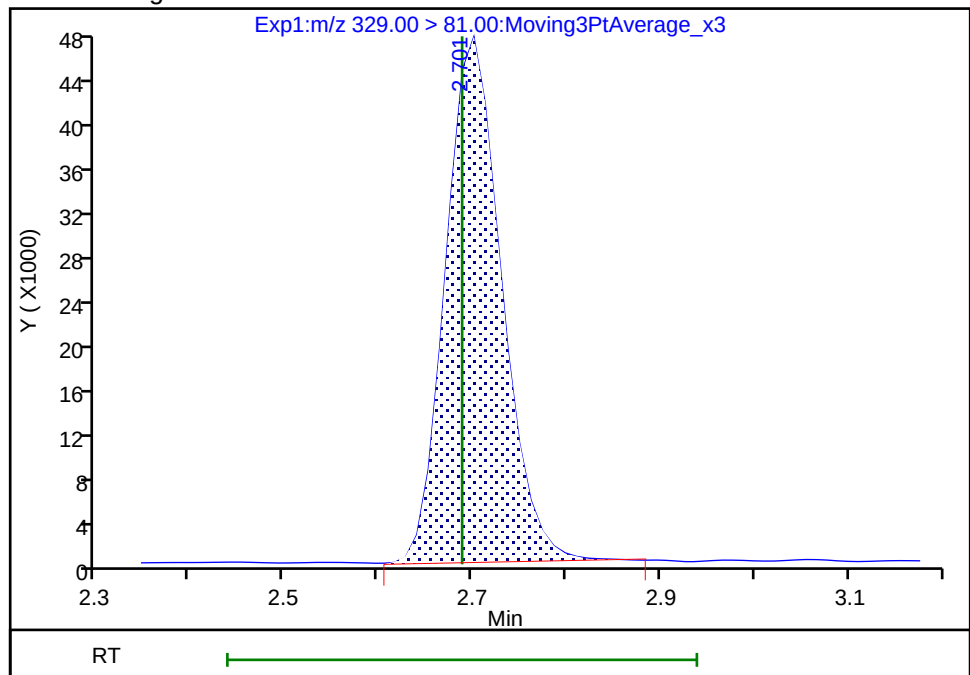
RT: 2.70
Area: 196194
Amount: 1.118608
Amount Units: ng/ml

Processing Integration Results



RT: 2.70
Area: 194183
Amount: 1.107142
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:38:23

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d

Injection Date: 19-Dec-2022 21:44:40

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

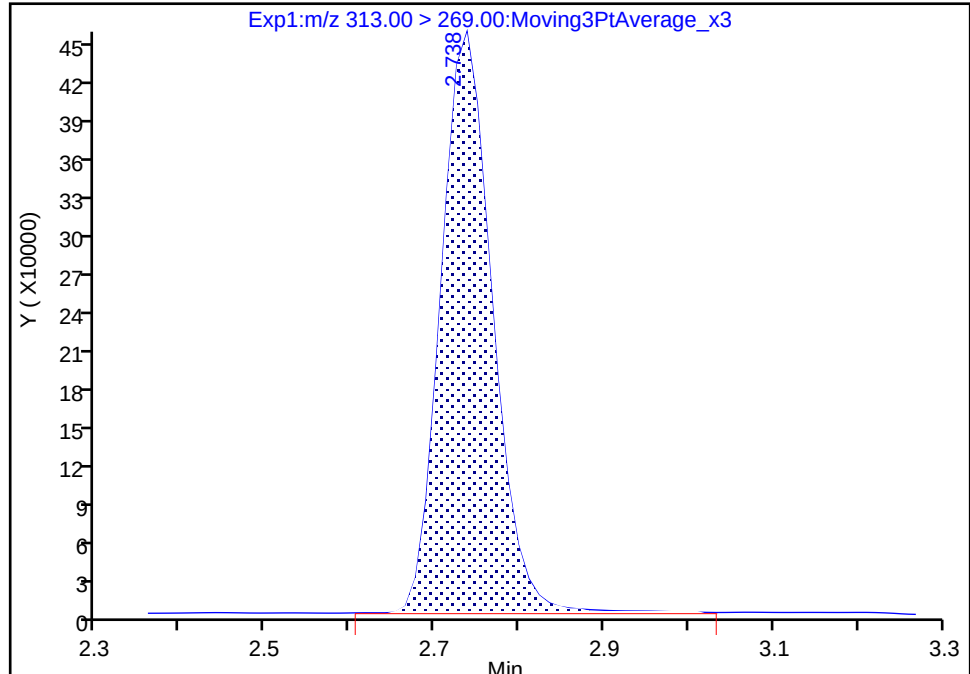
EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

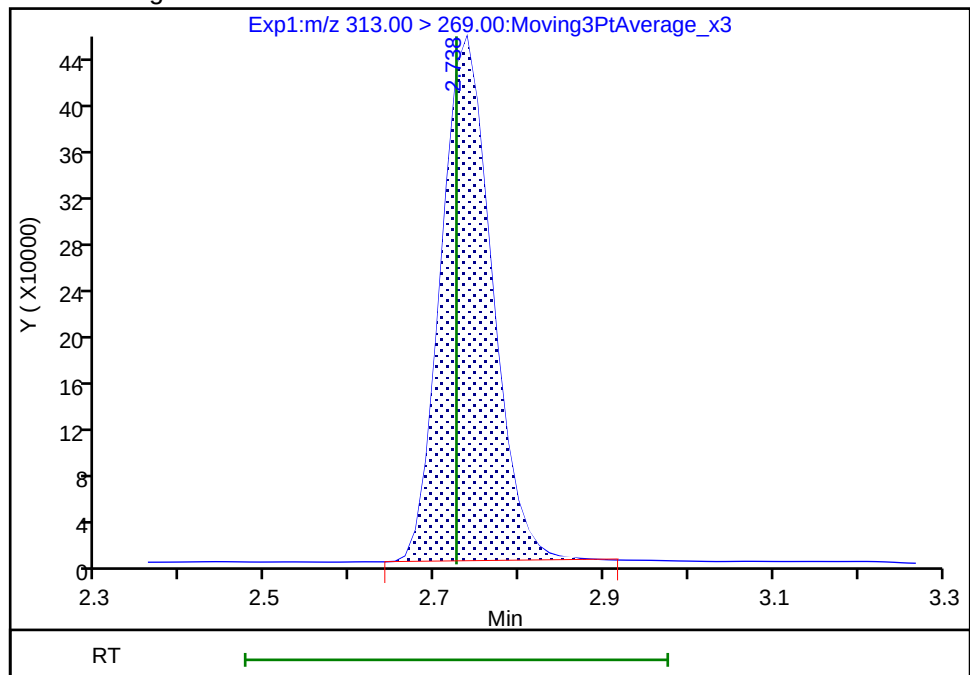
RT: 2.74
Area: 1912546
Amount: 0.919149
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 1895518
Amount: 0.910965
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:39:12

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d

Injection Date: 19-Dec-2022 21:44:40

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

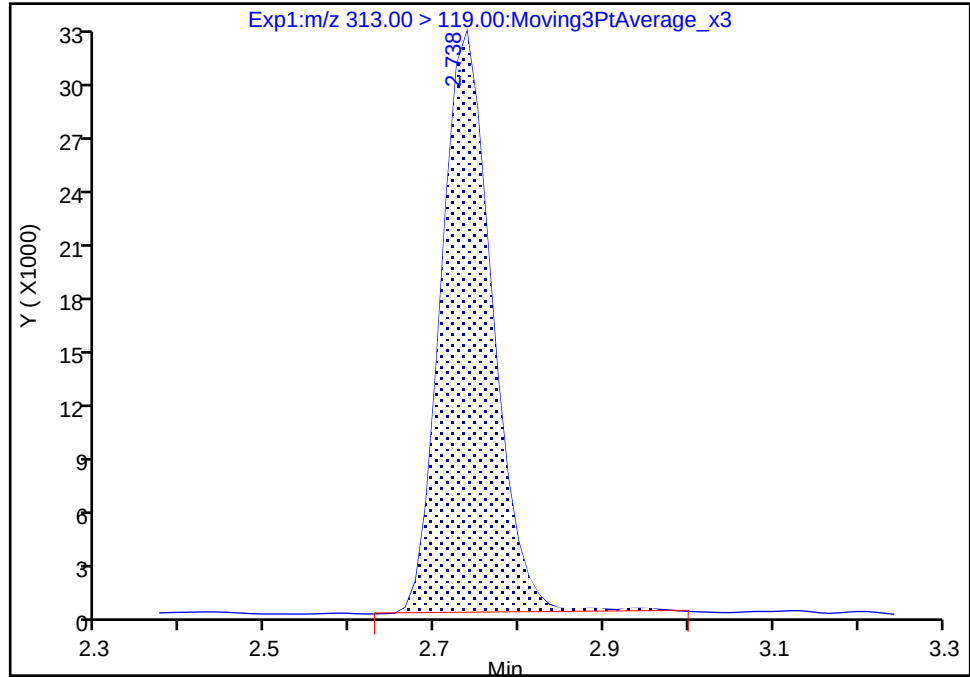
EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

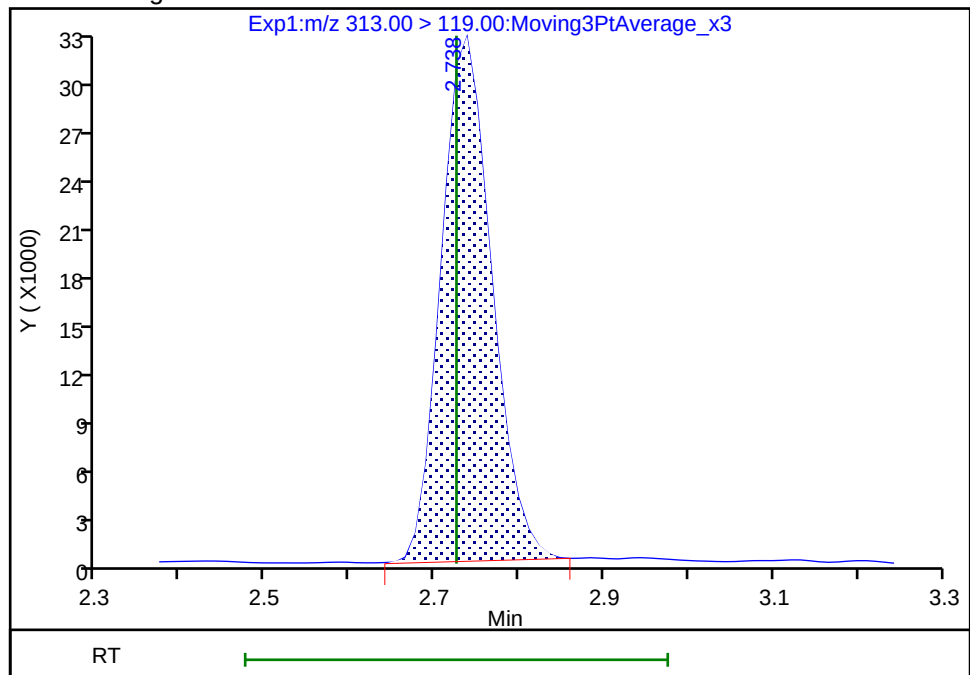
RT: 2.74
Area: 136591
Amount: 0.919149
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 134057
Amount: 0.910965
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:39:15

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

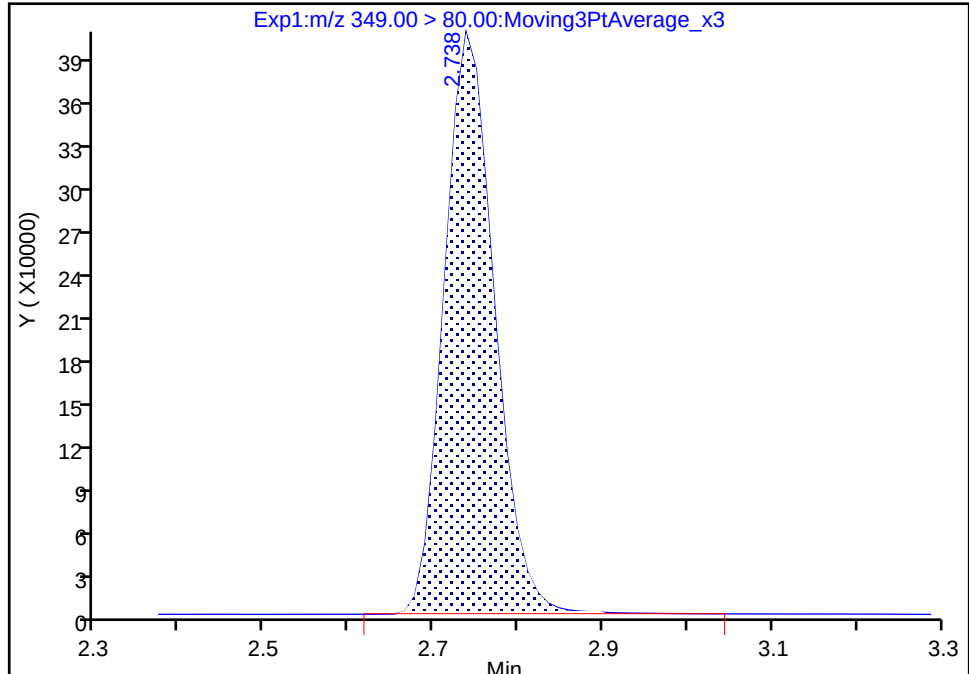
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d
Injection Date: 19-Dec-2022 21:44:40 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

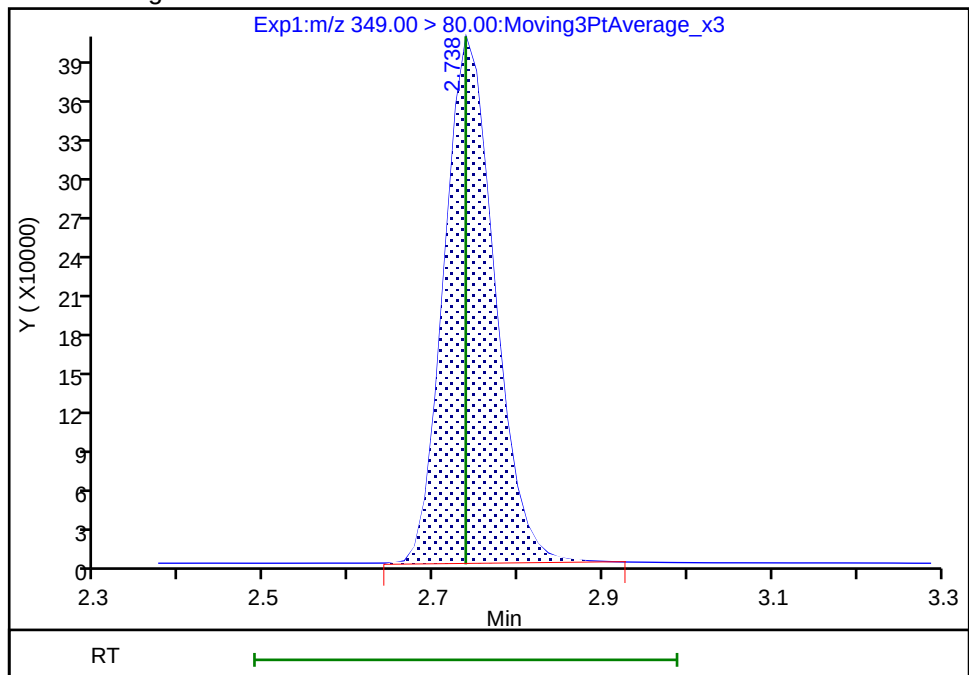
RT: 2.74
Area: 1674098
Amount: 0.835117
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 1665628
Amount: 0.830892
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:39:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

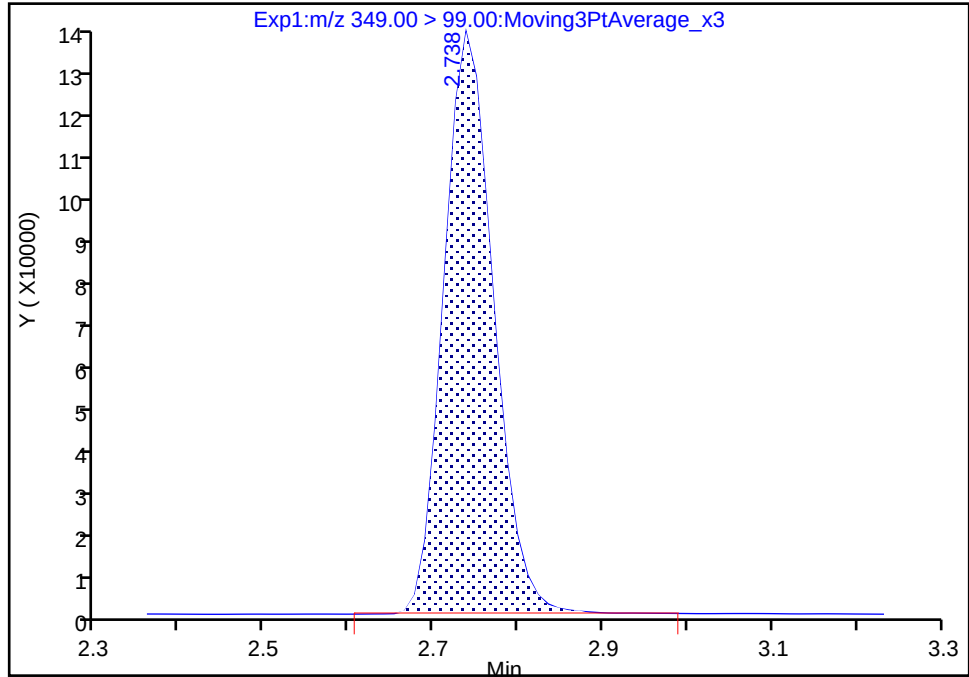
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d
Injection Date: 19-Dec-2022 21:44:40 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 2

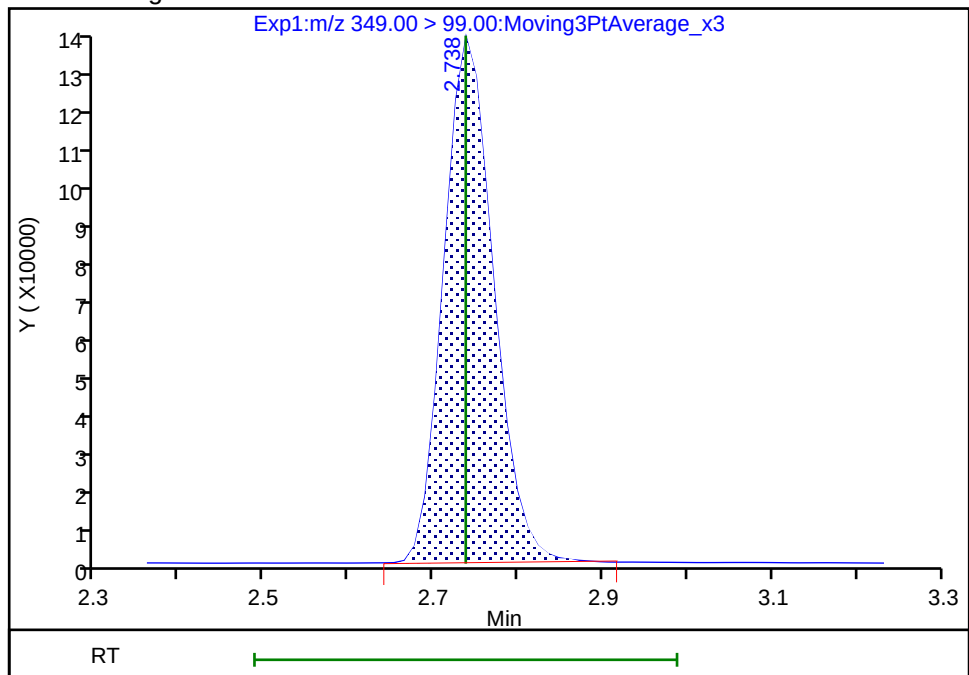
RT: 2.74
Area: 561468
Amount: 0.835117
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 559935
Amount: 0.830892
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:39:24

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

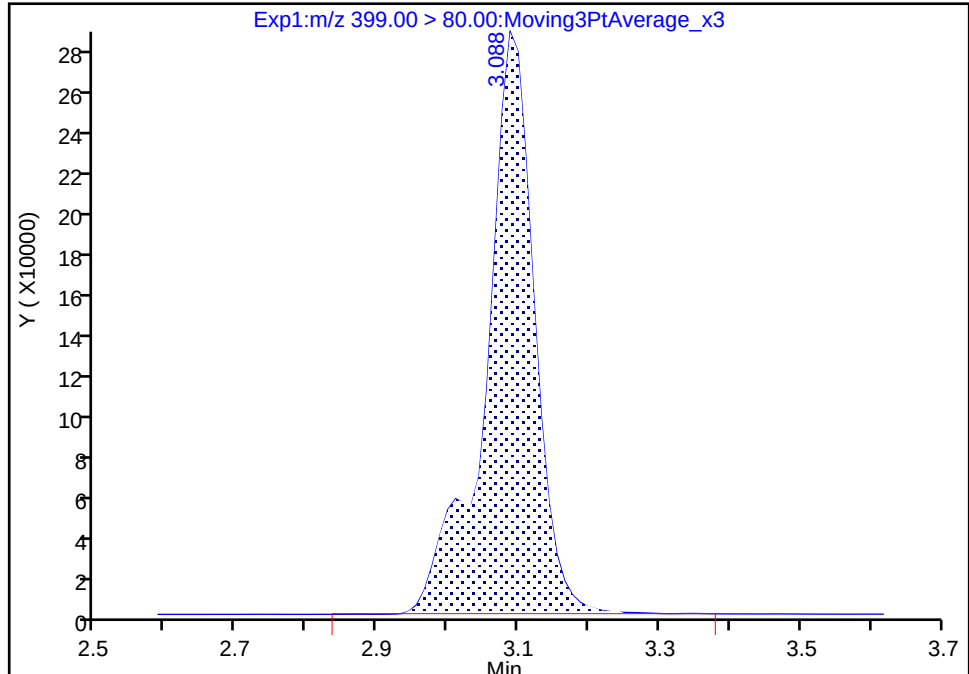
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d
Injection Date: 19-Dec-2022 21:44:40 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

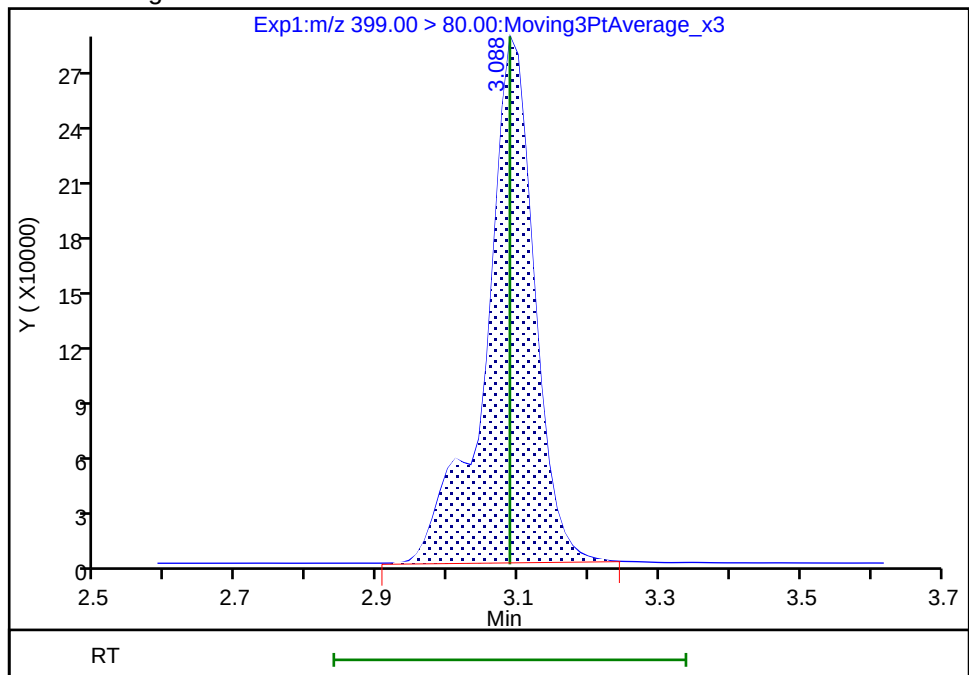
RT: 3.09
Area: 1388860
Amount: 0.819761
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 1385127
Amount: 0.817558
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:39:35

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d

Injection Date: 19-Dec-2022 21:44:40

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

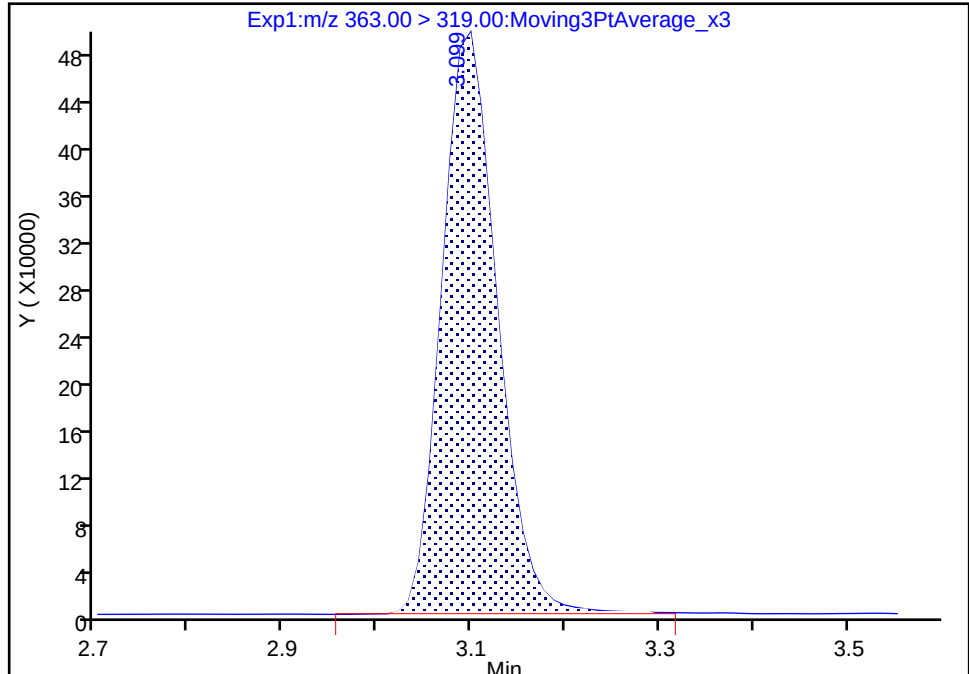
EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

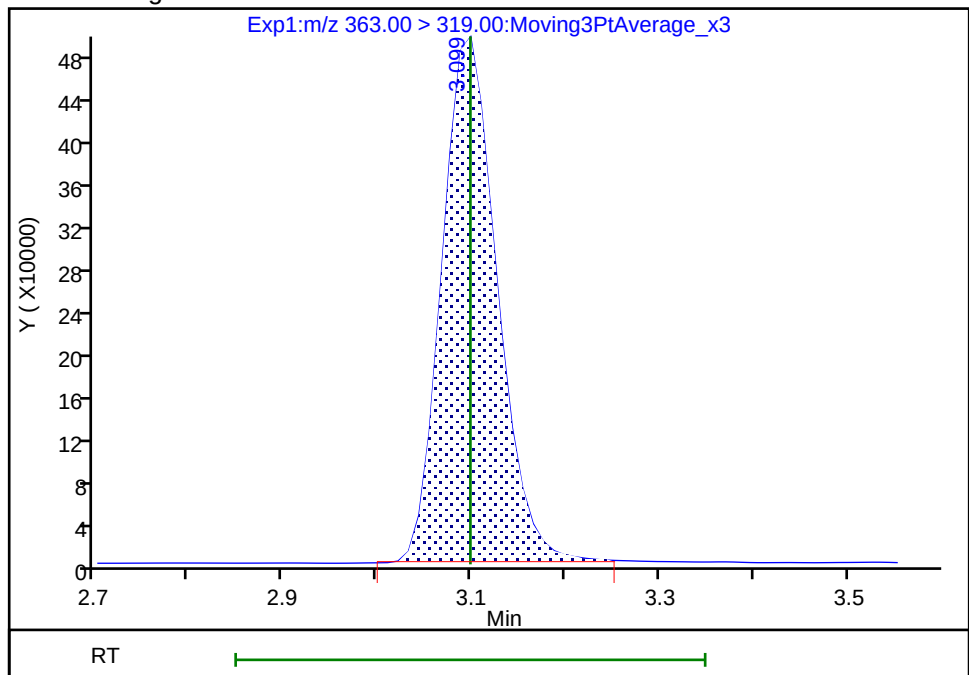
RT: 3.10
Area: 2007433
Amount: 0.907096
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 1991673
Amount: 0.899975
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:39:45

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

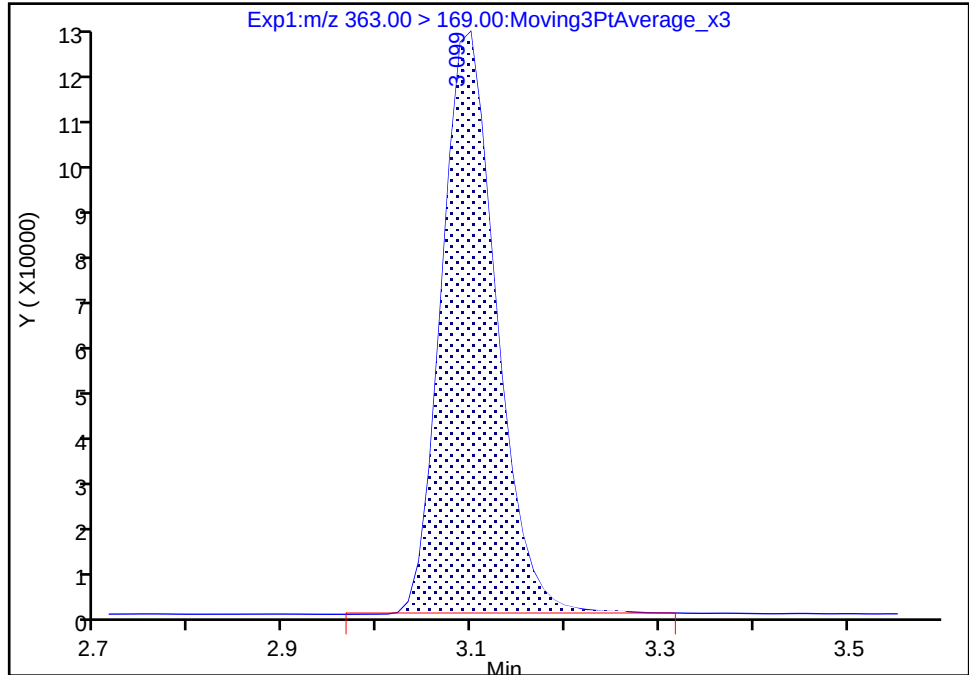
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d
Injection Date: 19-Dec-2022 21:44:40 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

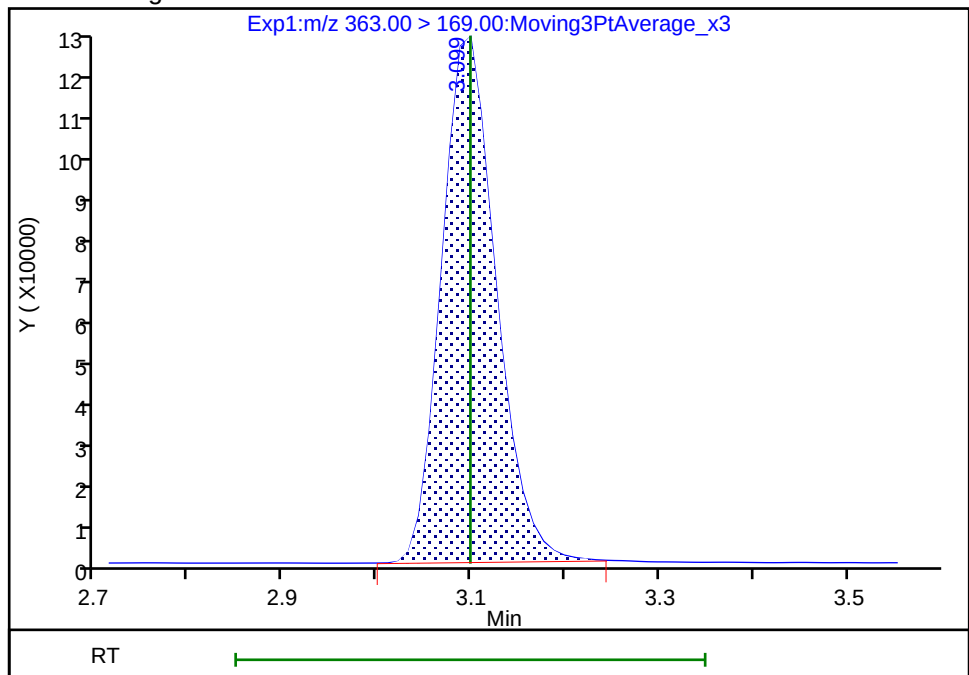
RT: 3.10
Area: 494008
Amount: 0.907096
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 489775
Amount: 0.899975
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:39:48

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d

Injection Date: 19-Dec-2022 21:44:40

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)

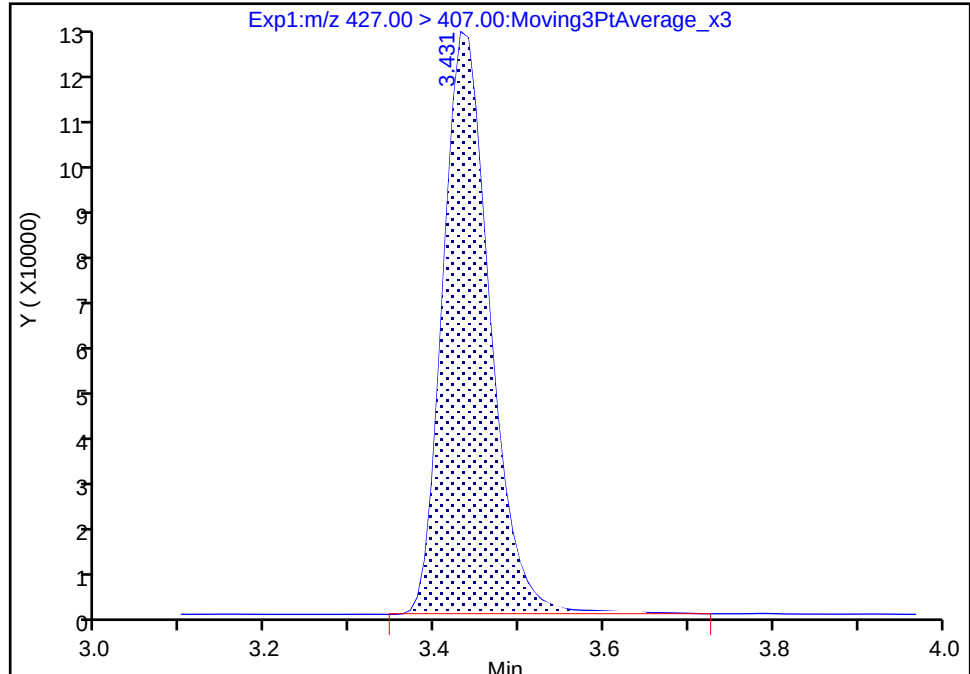
Detector: EXP1

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

Signal: 1

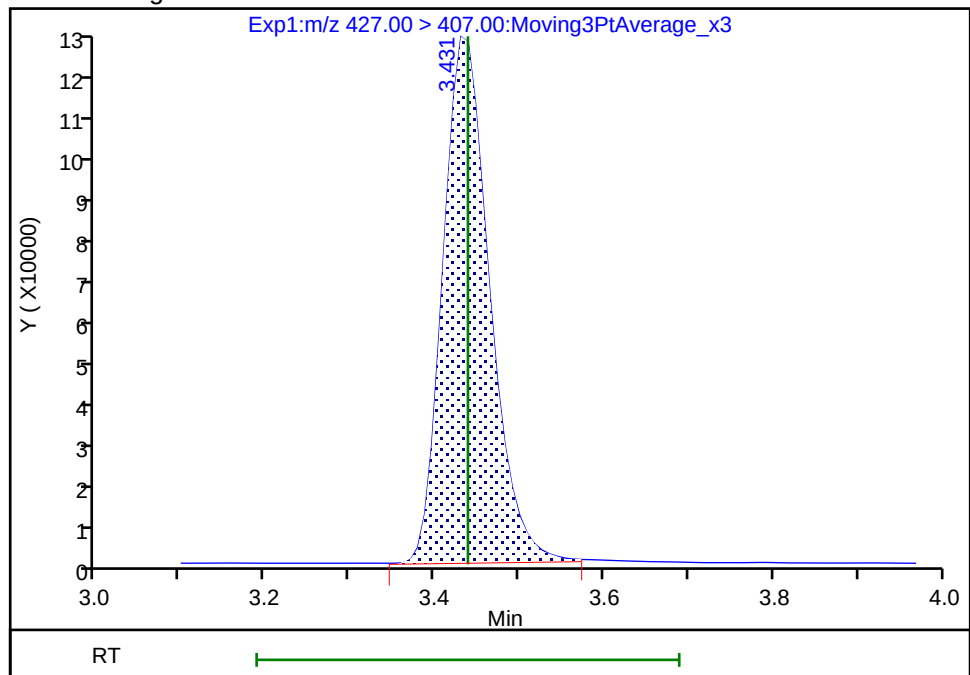
RT: 3.43
Area: 490782
Amount: 0.951446
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 487495
Amount: 0.944994
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:40:03

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

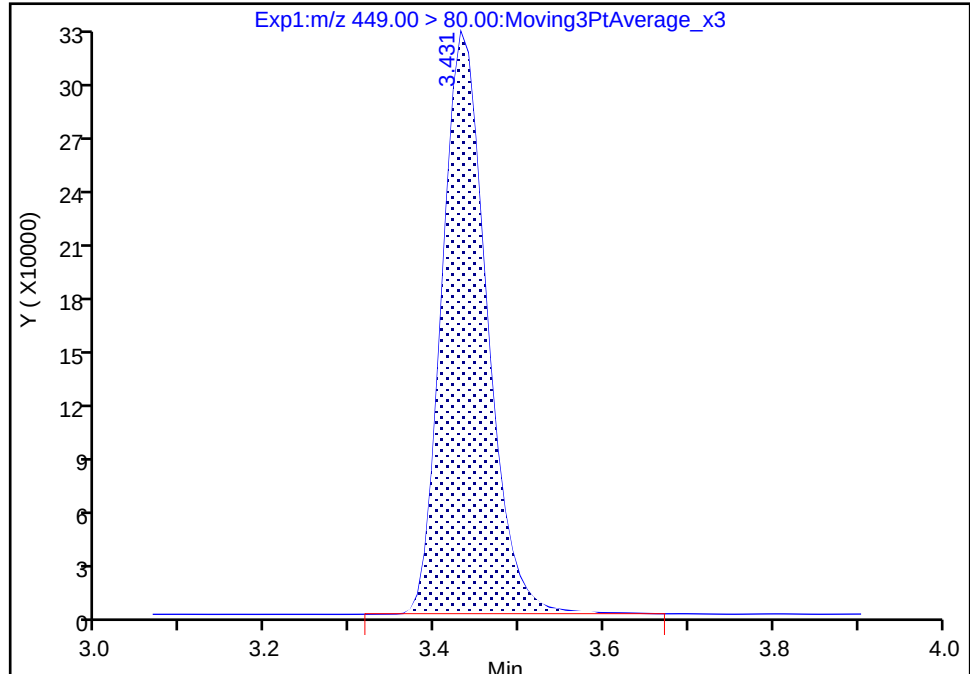
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d
Injection Date: 19-Dec-2022 21:44:40 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

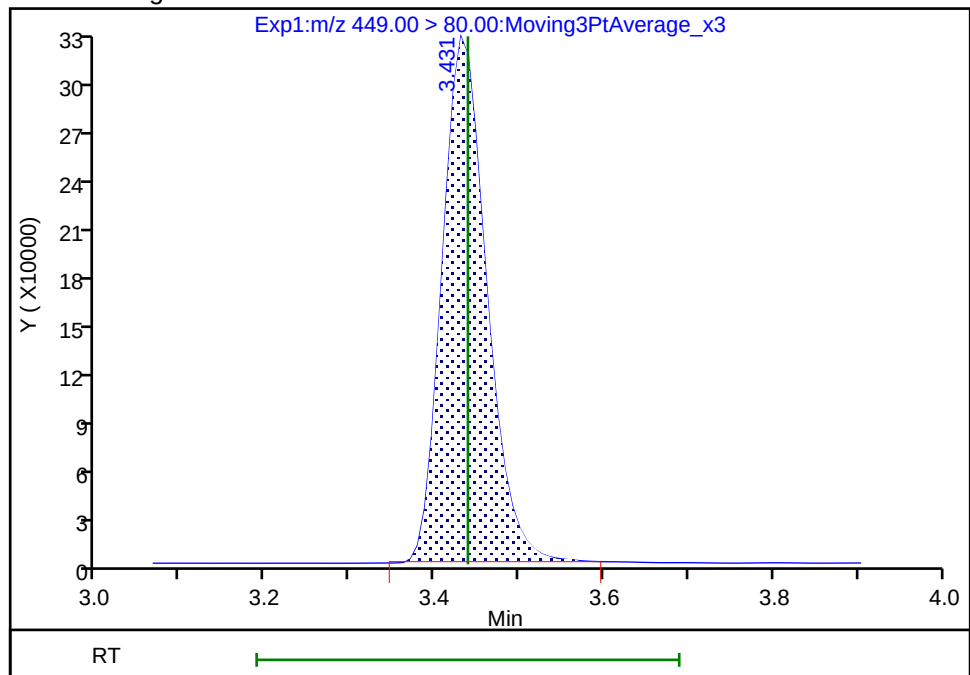
RT: 3.43
Area: 1200924
Amount: 0.880167
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 1193442
Amount: 0.874683
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:40:08

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

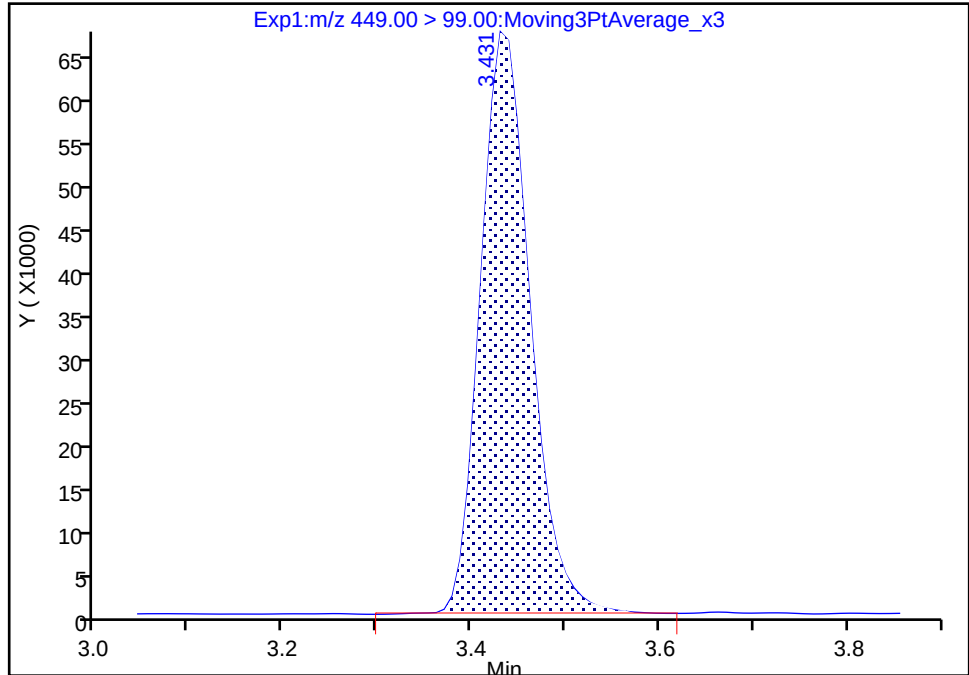
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d
Injection Date: 19-Dec-2022 21:44:40 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

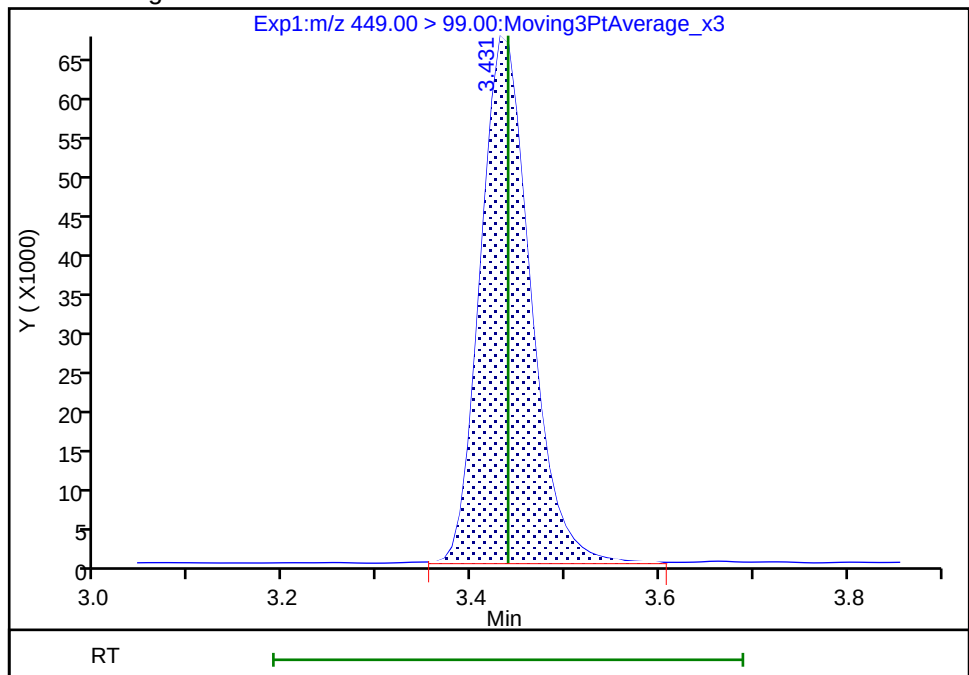
RT: 3.43
Area: 249475
Amount: 0.880167
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 248500
Amount: 0.874683
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:40:16

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

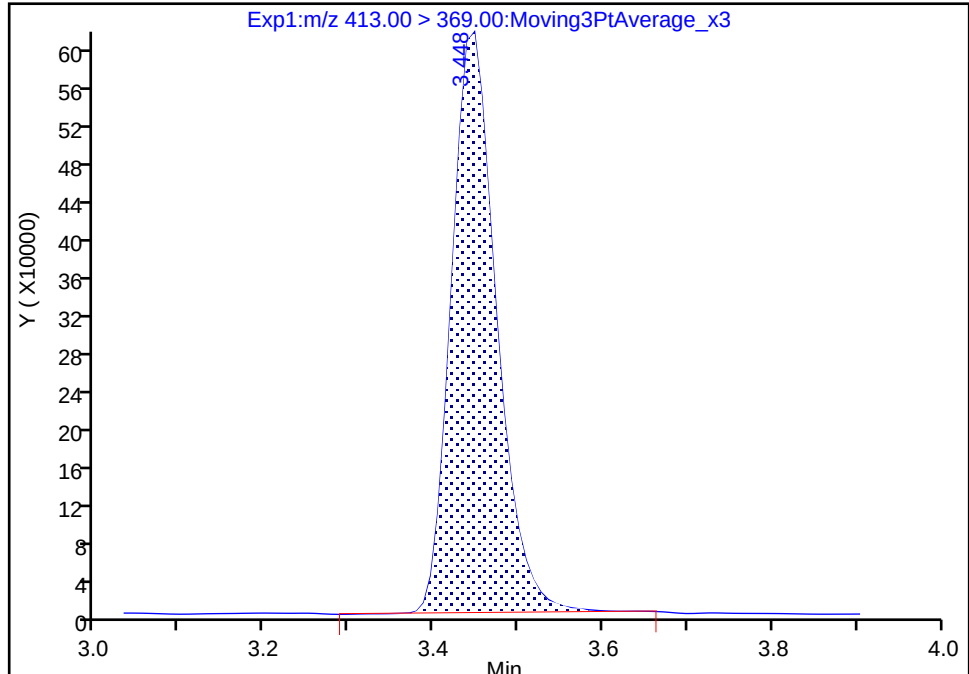
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d
Injection Date: 19-Dec-2022 21:44:40 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

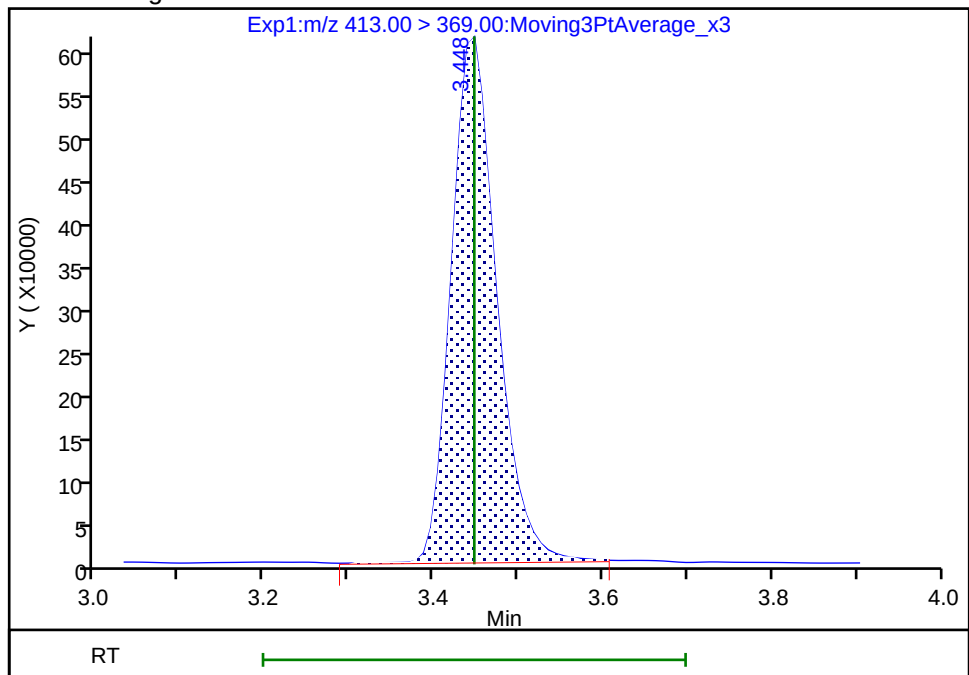
RT: 3.45
Area: 2275230
Amount: 0.924379
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 2291333
Amount: 0.930922
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:40:34

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

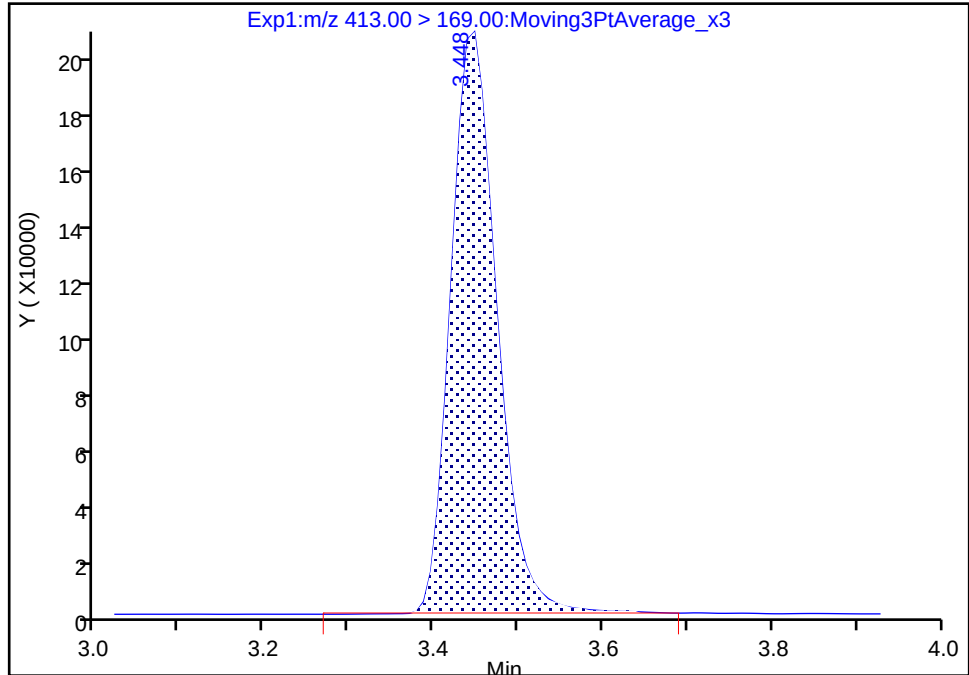
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d
Injection Date: 19-Dec-2022 21:44:40 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

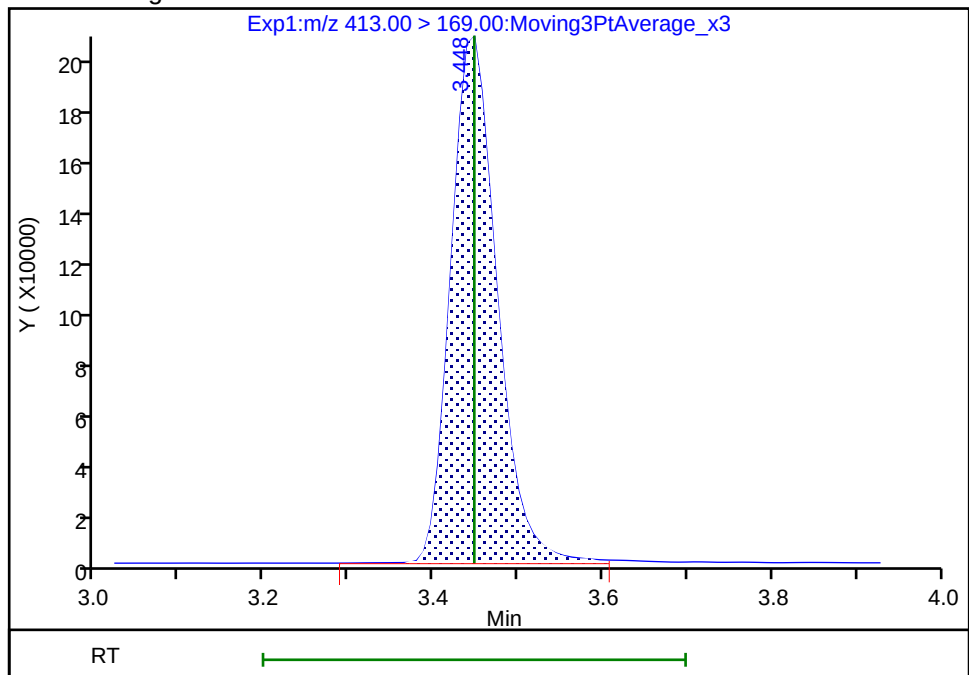
RT: 3.45
Area: 774916
Amount: 0.924379
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 772723
Amount: 0.930922
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:40:35

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d

Injection Date: 19-Dec-2022 21:44:40

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

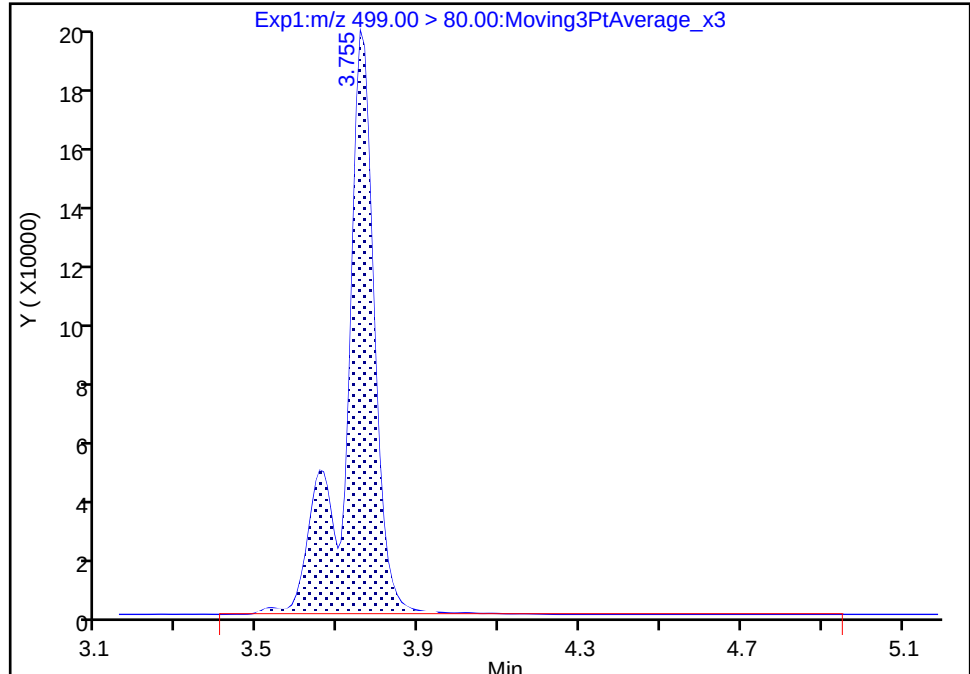
EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

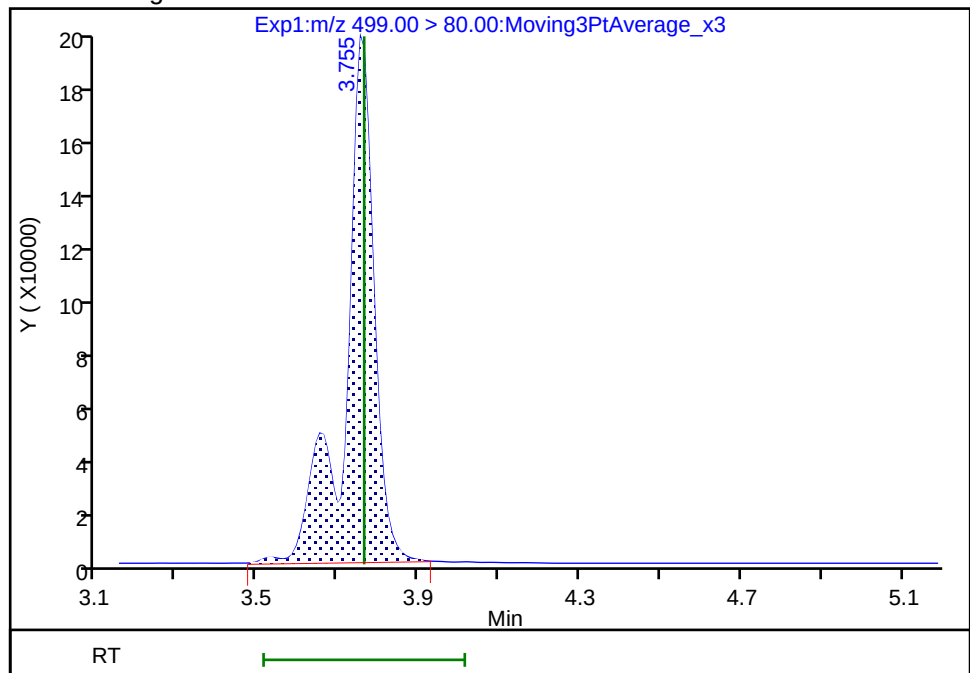
RT: 3.75
Area: 1007925
Amount: 0.848405
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 989444
Amount: 0.832849
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:40:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

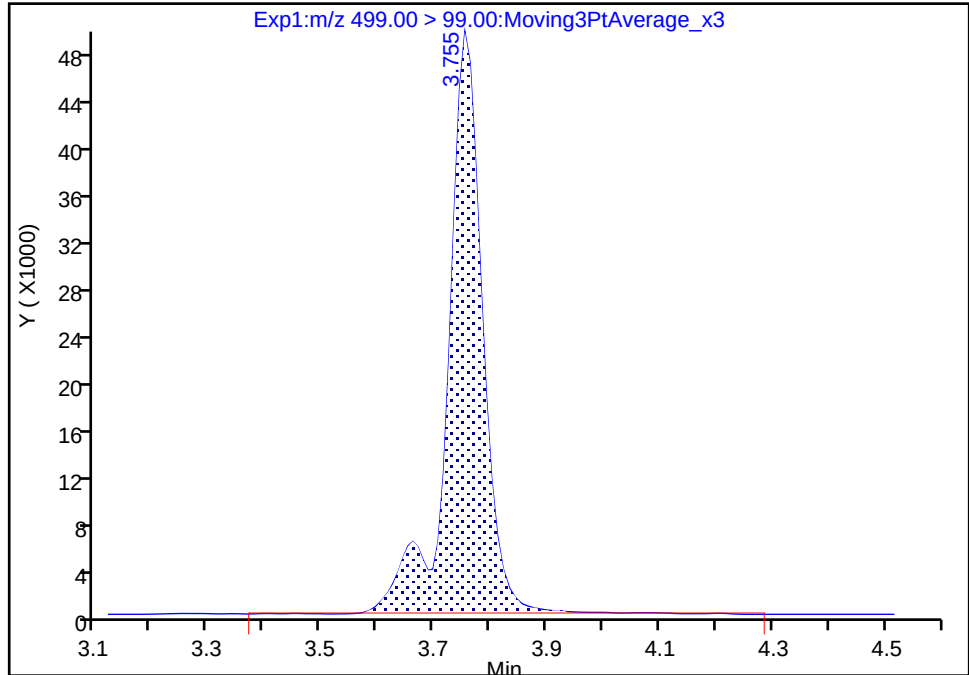
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d
Injection Date: 19-Dec-2022 21:44:40 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

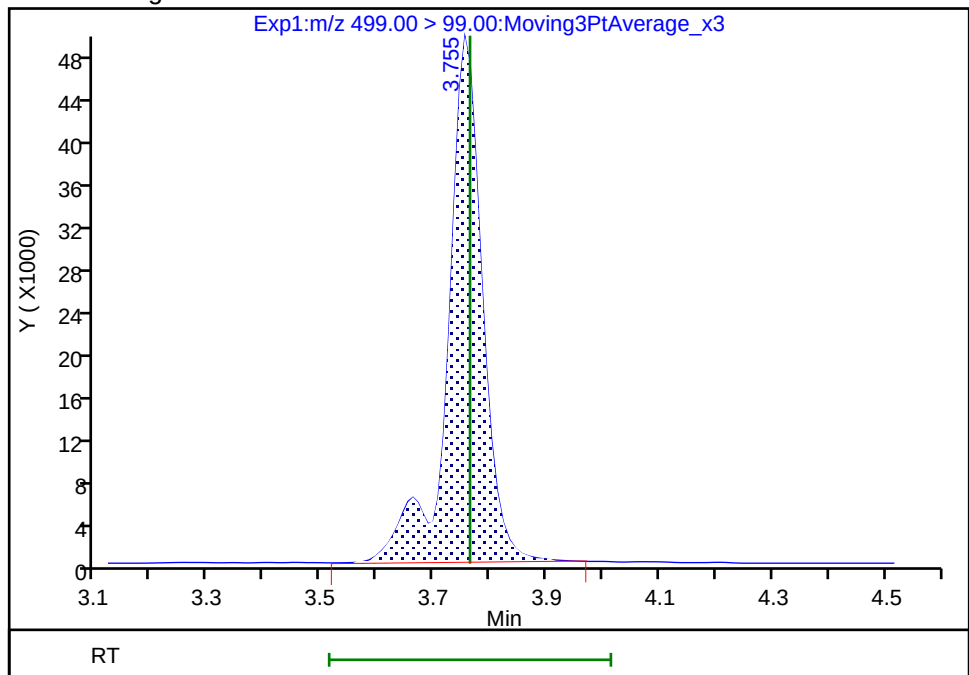
RT: 3.75
Area: 216960
Amount: 0.848405
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 212123
Amount: 0.832849
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:40:49

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

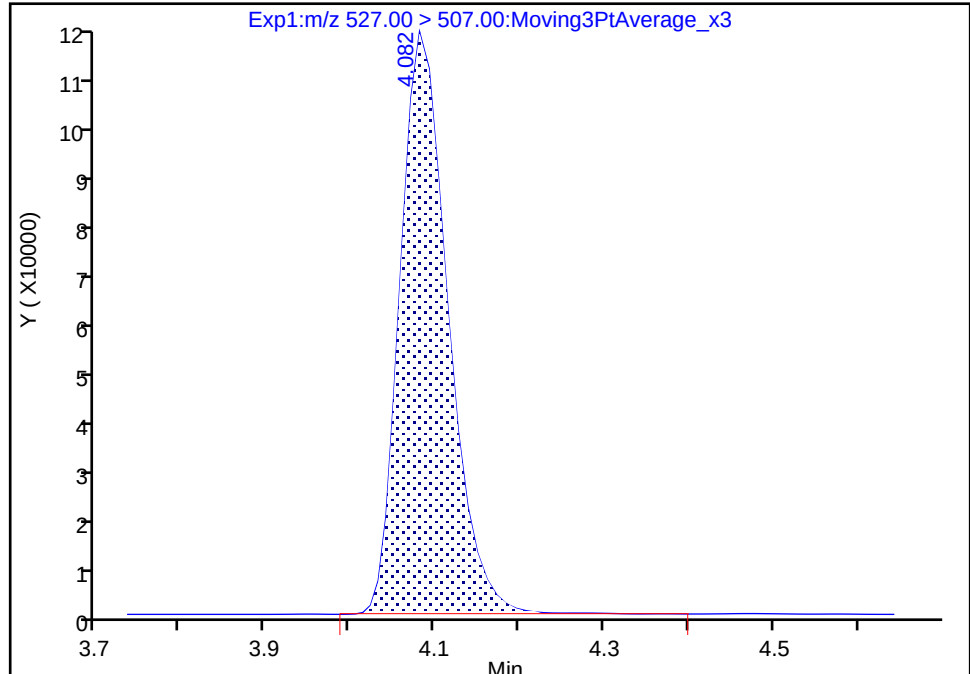
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d
Injection Date: 19-Dec-2022 21:44:40 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

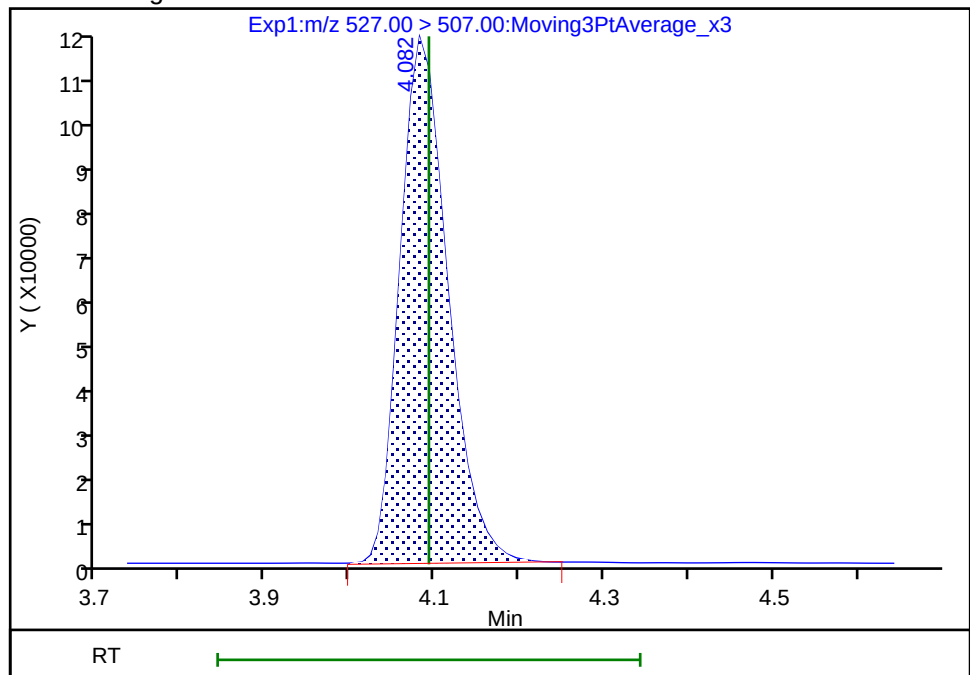
RT: 4.08
Area: 462491
Amount: 0.992428
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 459841
Amount: 0.986742
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:41:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

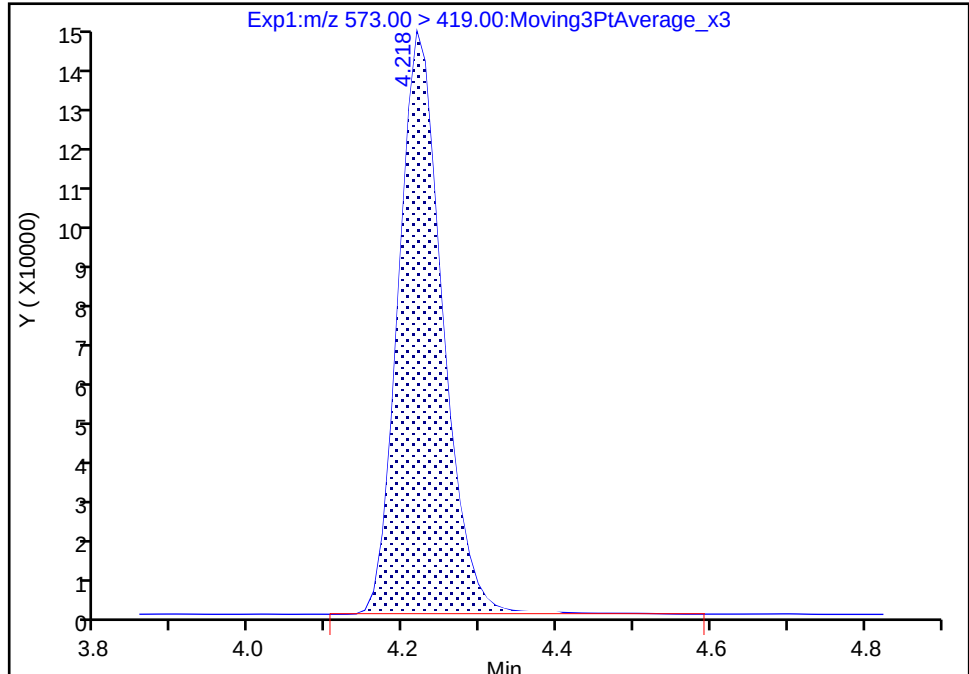
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d
Injection Date: 19-Dec-2022 21:44:40 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

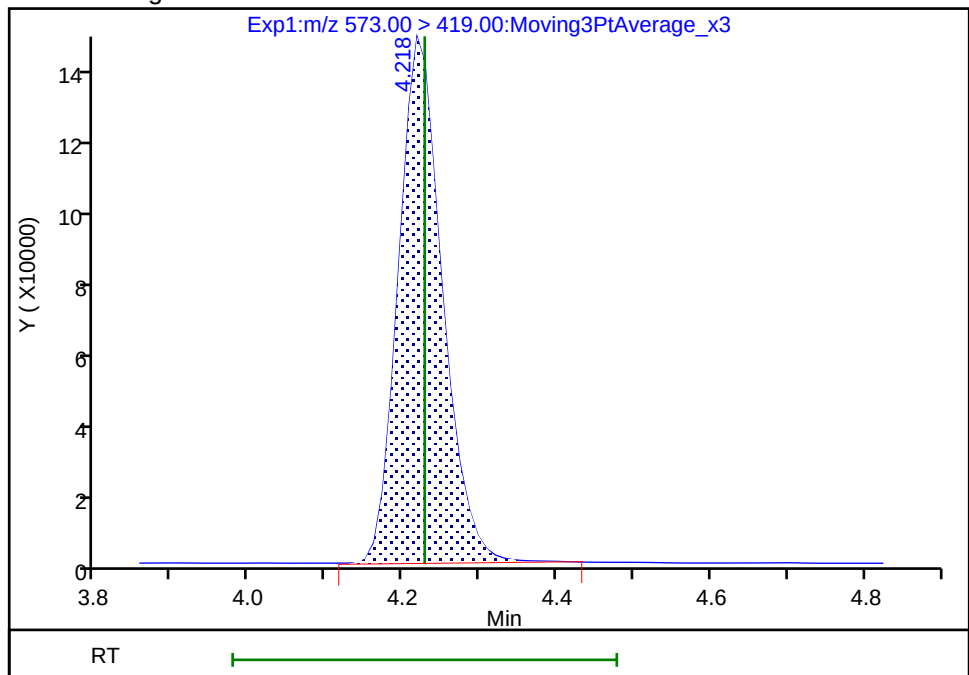
RT: 4.22
Area: 596379
Amount: 1.336271
Amount Units: ng/ml

Processing Integration Results



RT: 4.22
Area: 592344
Amount: 1.327230
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:38:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

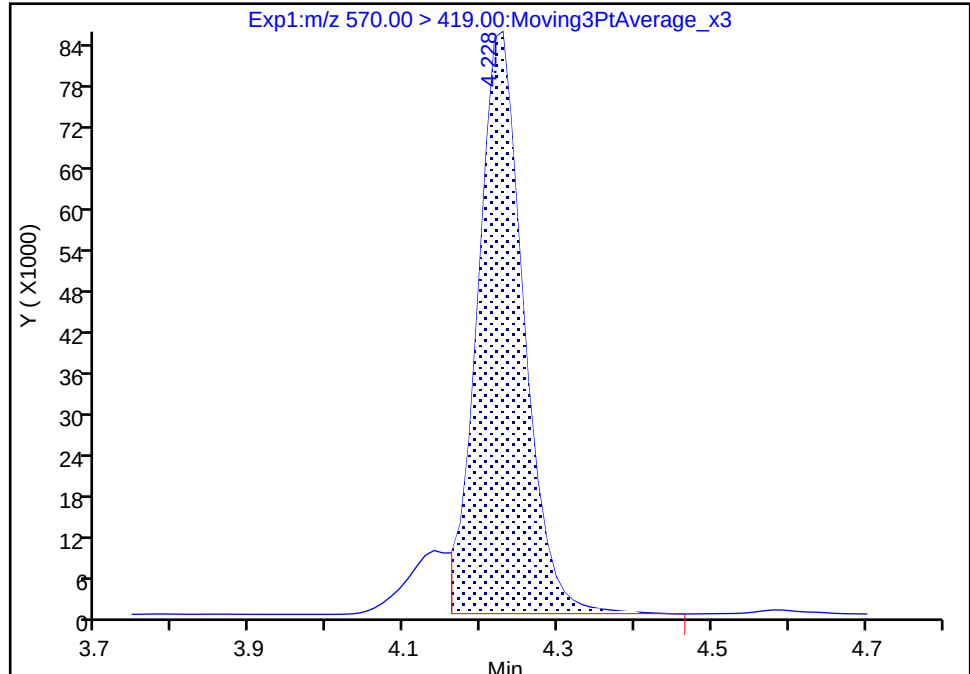
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d
Injection Date: 19-Dec-2022 21:44:40 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

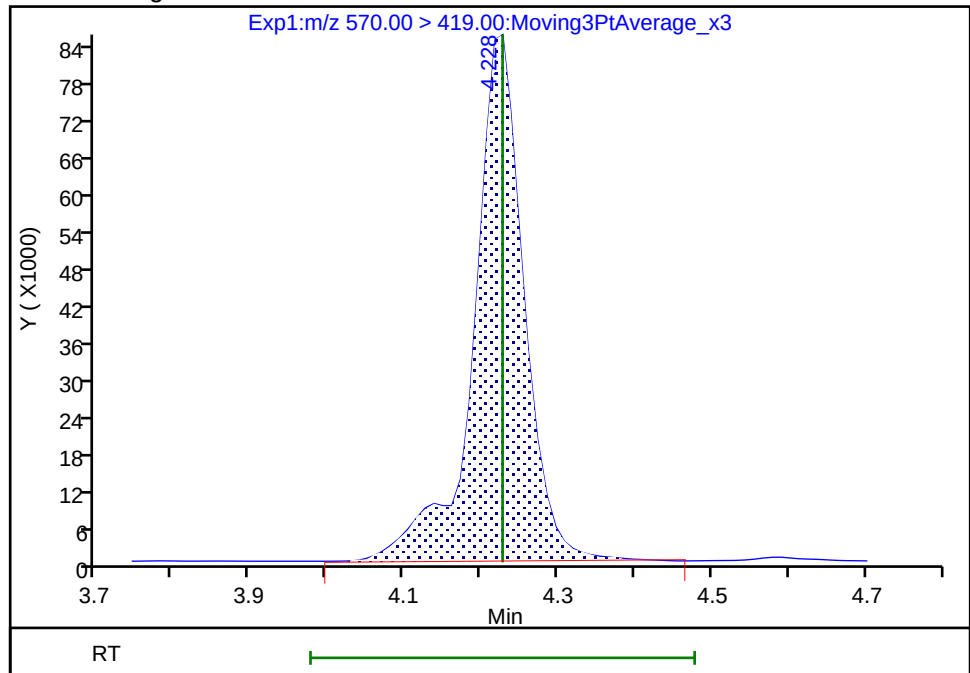
RT: 4.23
Area: 354178
Amount: 0.857205
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 389722
Amount: 0.944398
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:41:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

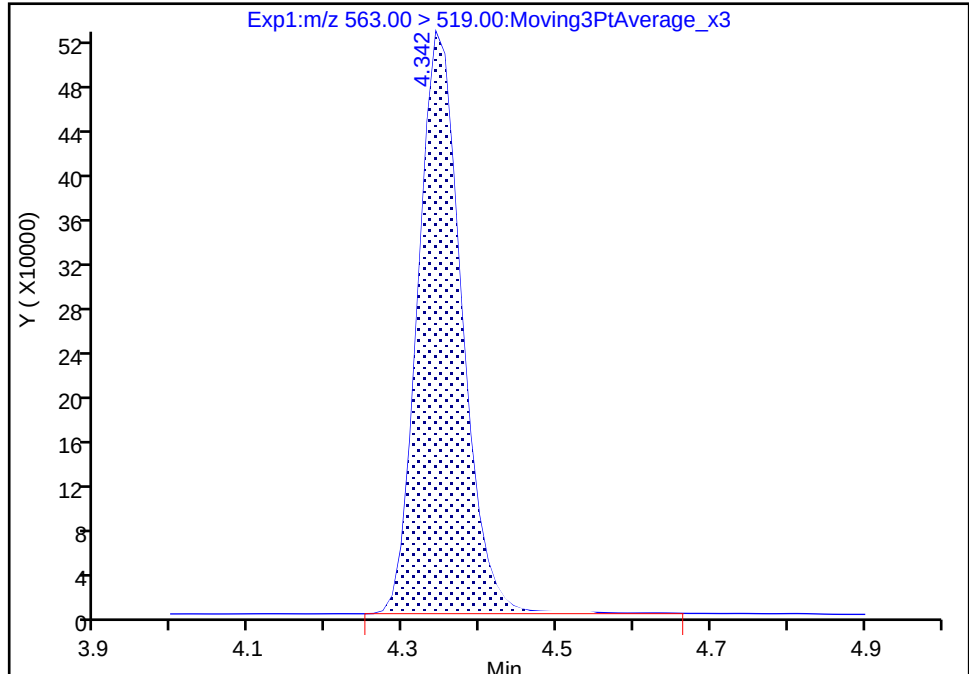
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d
Injection Date: 19-Dec-2022 21:44:40 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

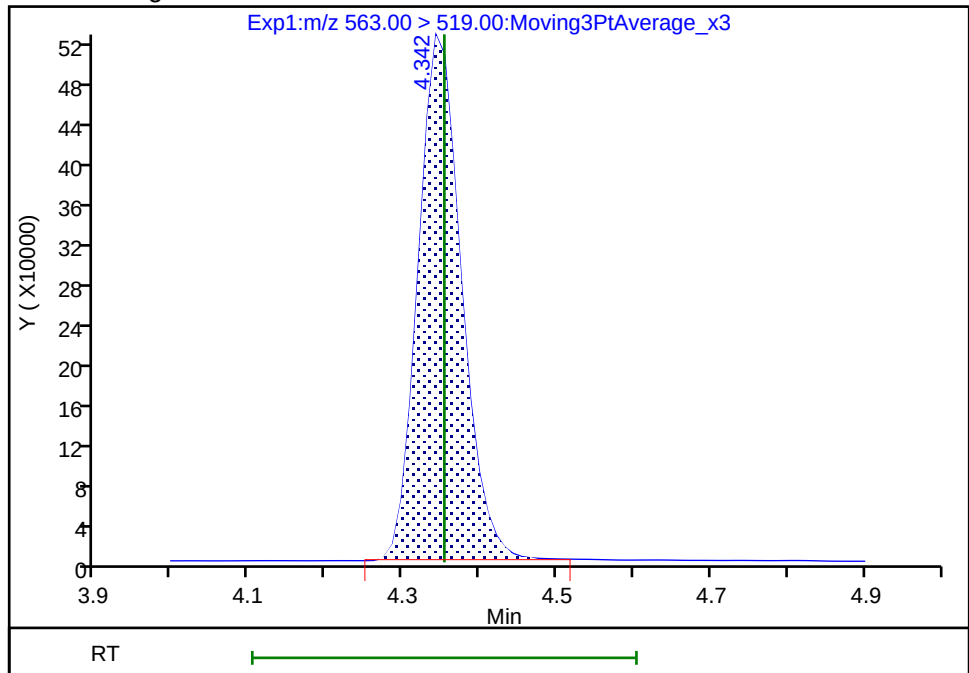
RT: 4.34
Area: 2062329
Amount: 0.977281
Amount Units: ng/ml

Processing Integration Results



RT: 4.34
Area: 2047202
Amount: 0.970113
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:41:30

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

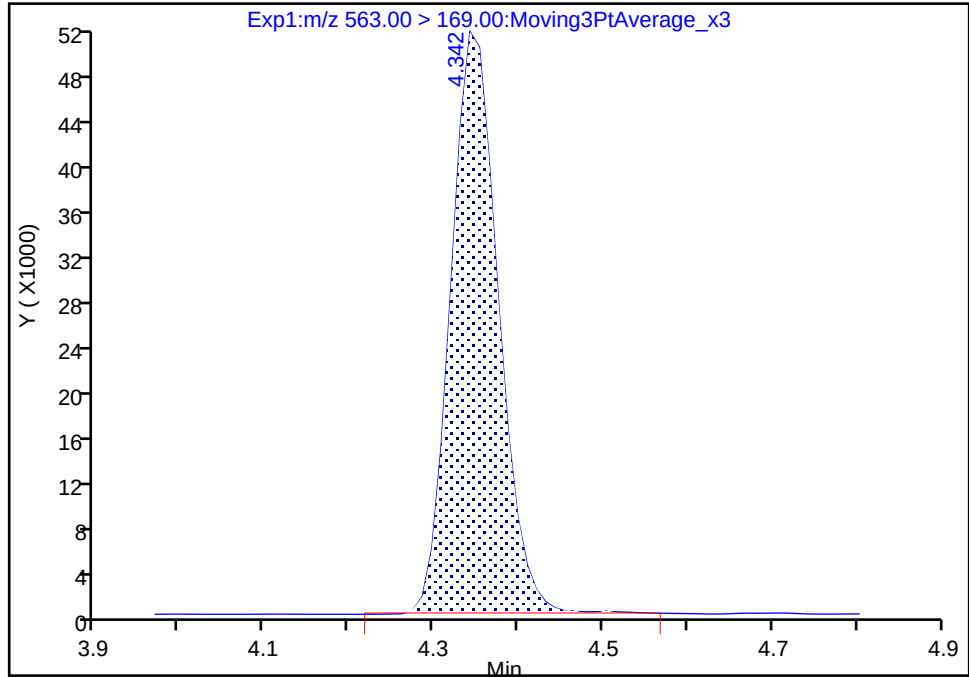
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d
Injection Date: 19-Dec-2022 21:44:40 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

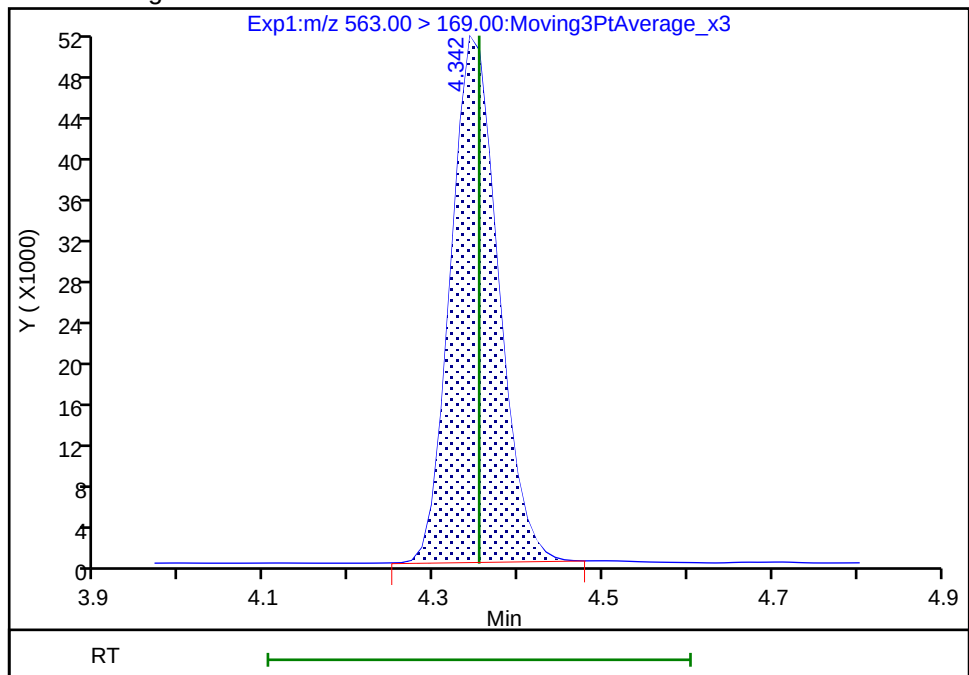
RT: 4.34
Area: 201647
Amount: 0.977281
Amount Units: ng/ml

Processing Integration Results



RT: 4.34
Area: 199882
Amount: 0.970113
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:41:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d

Injection Date: 19-Dec-2022 21:44:40

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)

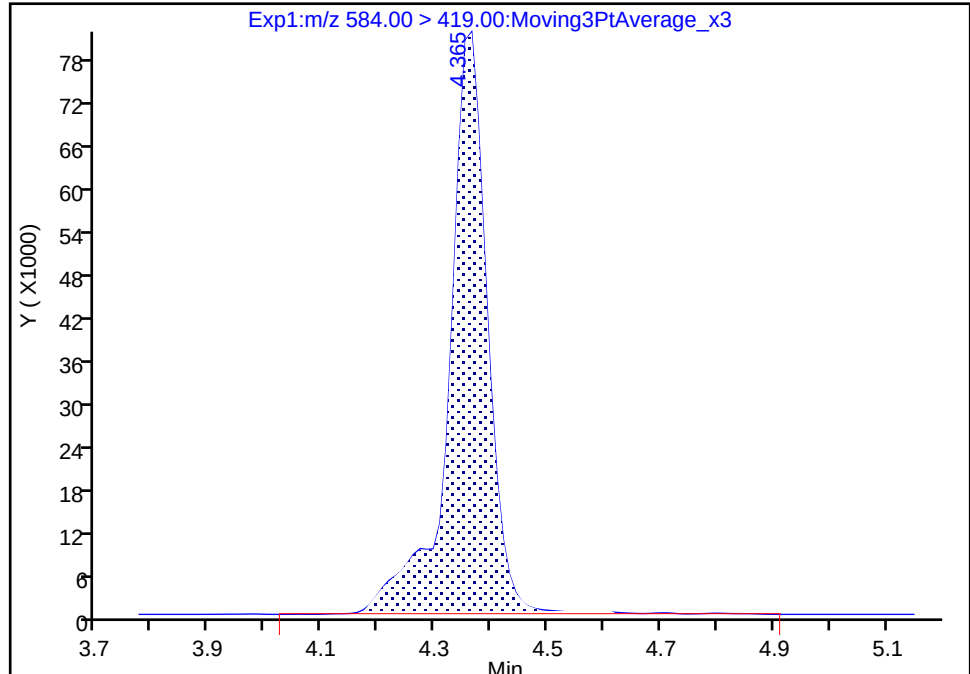
Detector: EXP1

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

Signal: 1

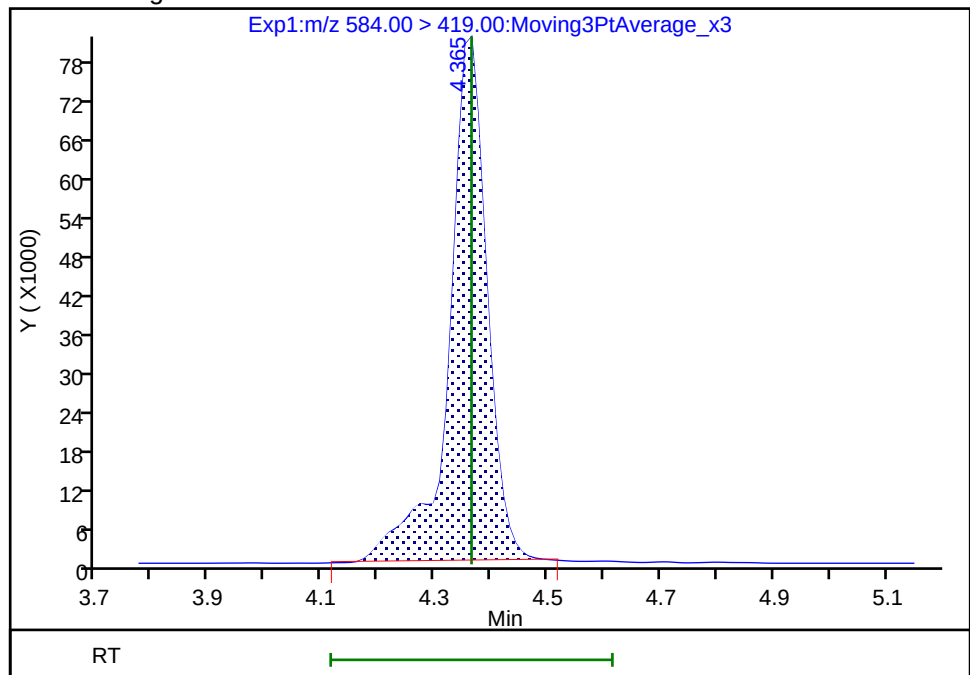
RT: 4.36
Area: 390461
Amount: 0.925664
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 379757
Amount: 0.900288
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 22-Dec-2022 08:19:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

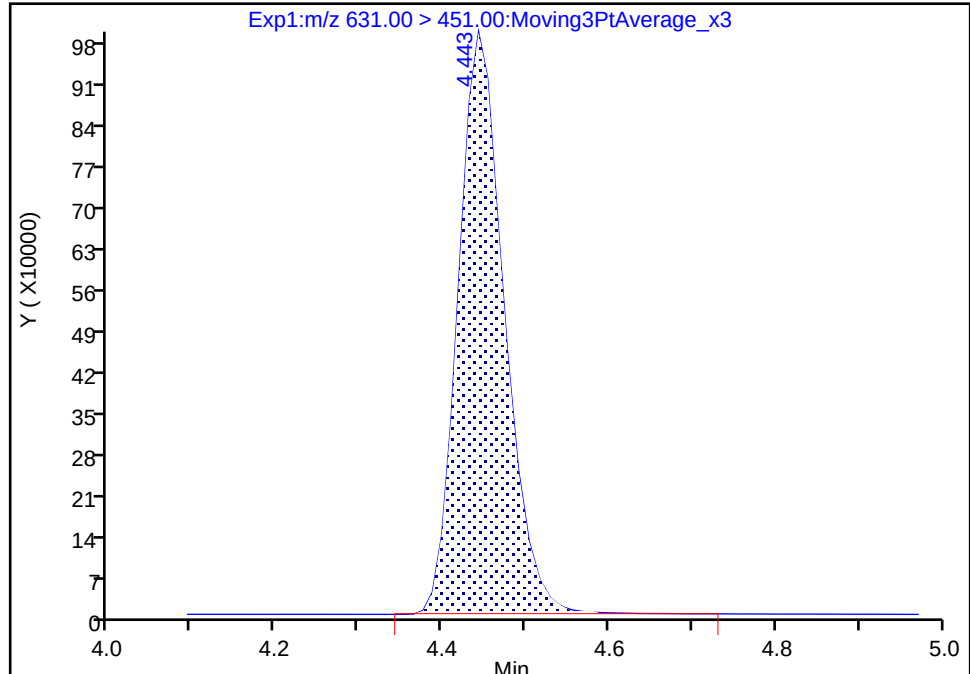
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d
Injection Date: 19-Dec-2022 21:44:40 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

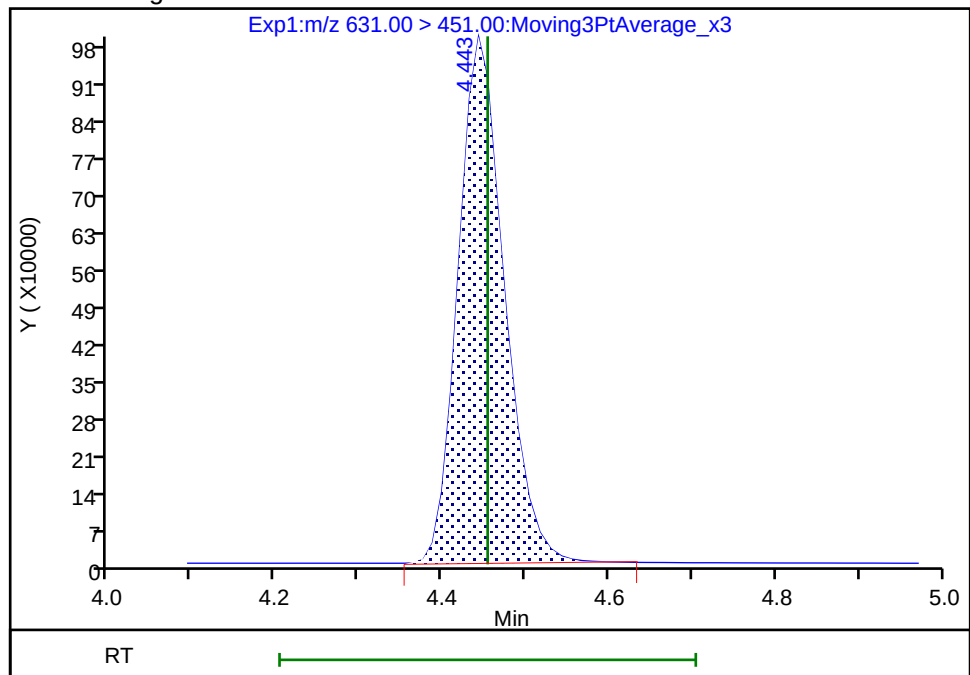
RT: 4.44
Area: 3826605
Amount: 0.910418
Amount Units: ng/ml

Processing Integration Results



RT: 4.44
Area: 3815919
Amount: 0.907876
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:41:51

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d

Injection Date: 19-Dec-2022 21:44:40

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)

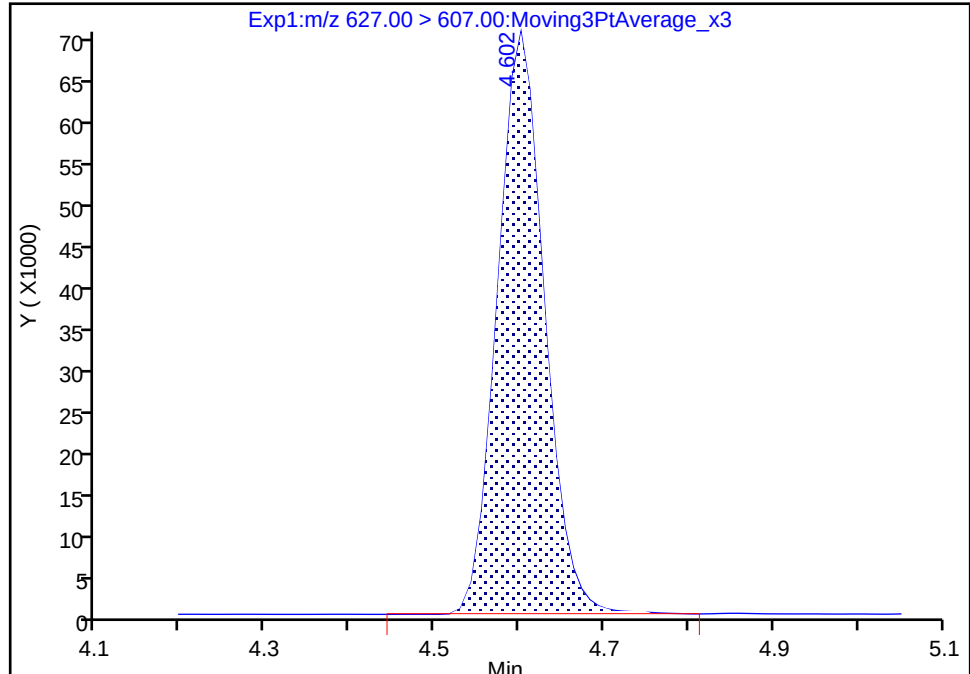
Detector: EXP1

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

Signal: 1

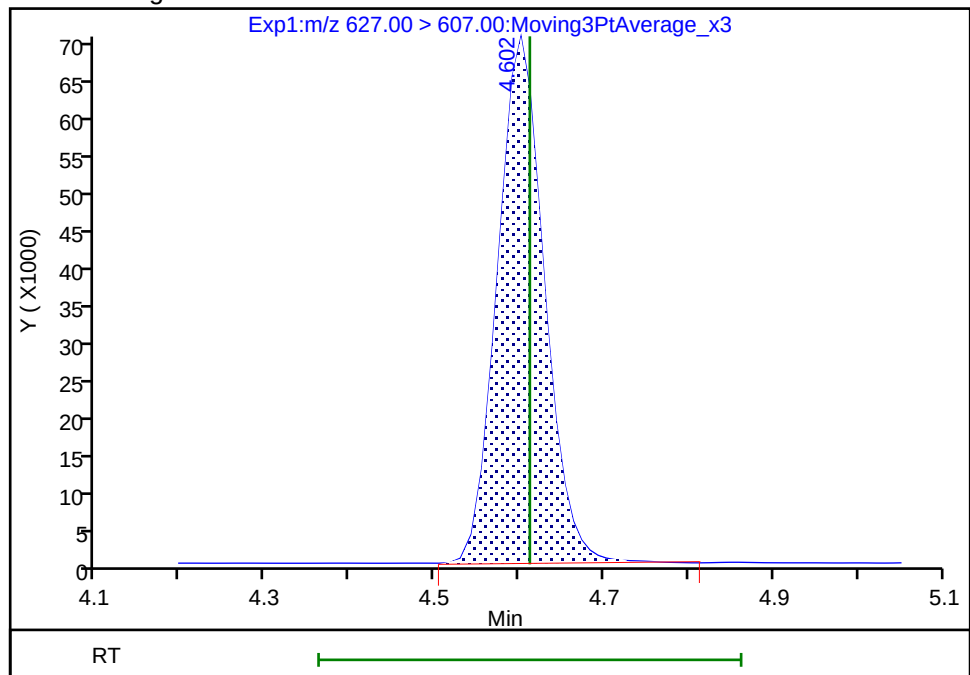
RT: 4.60
Area: 270552
Amount: 0.966129
Amount Units: ng/ml

Processing Integration Results



RT: 4.60
Area: 270433
Amount: 0.965704
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:42:16

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

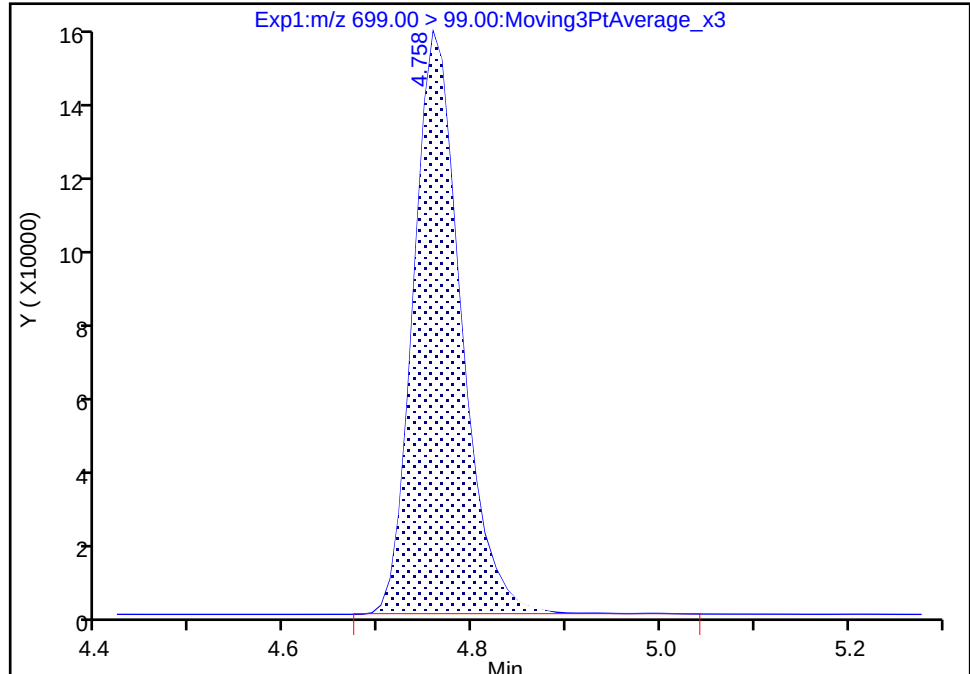
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d
Injection Date: 19-Dec-2022 21:44:40 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 2

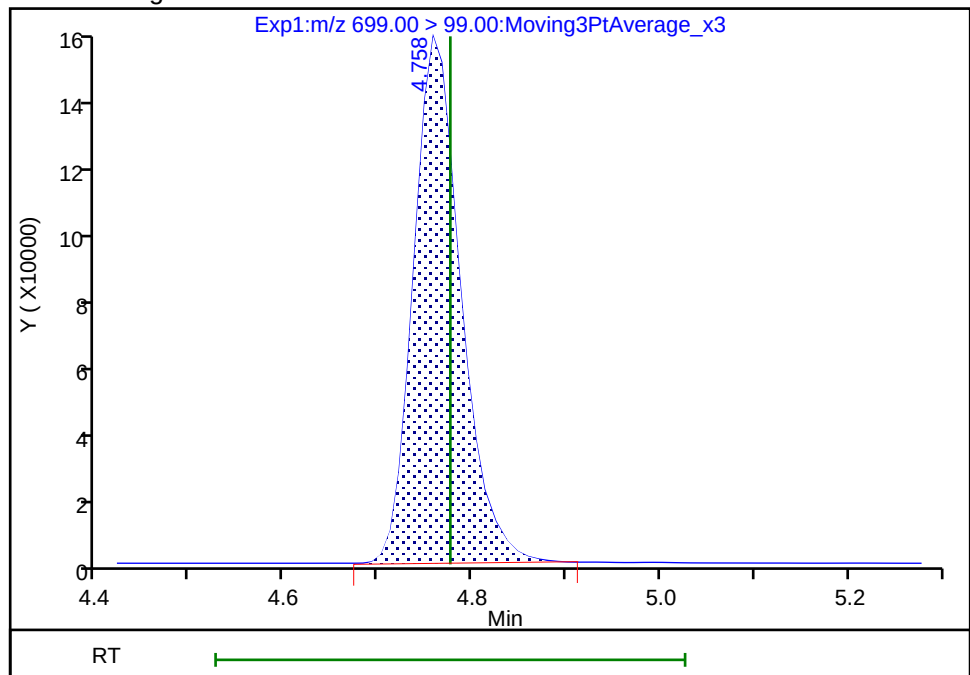
RT: 4.76
Area: 533403
Amount: 0.950409
Amount Units: ng/ml

Processing Integration Results



RT: 4.76
Area: 530394
Amount: 0.945929
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:42:05

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

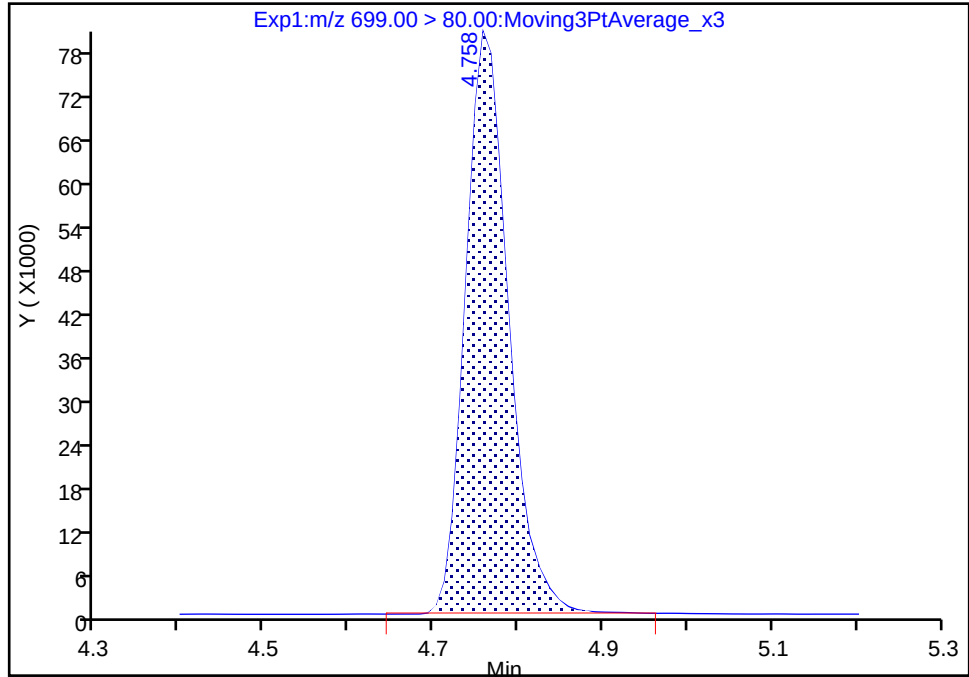
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d
Injection Date: 19-Dec-2022 21:44:40 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

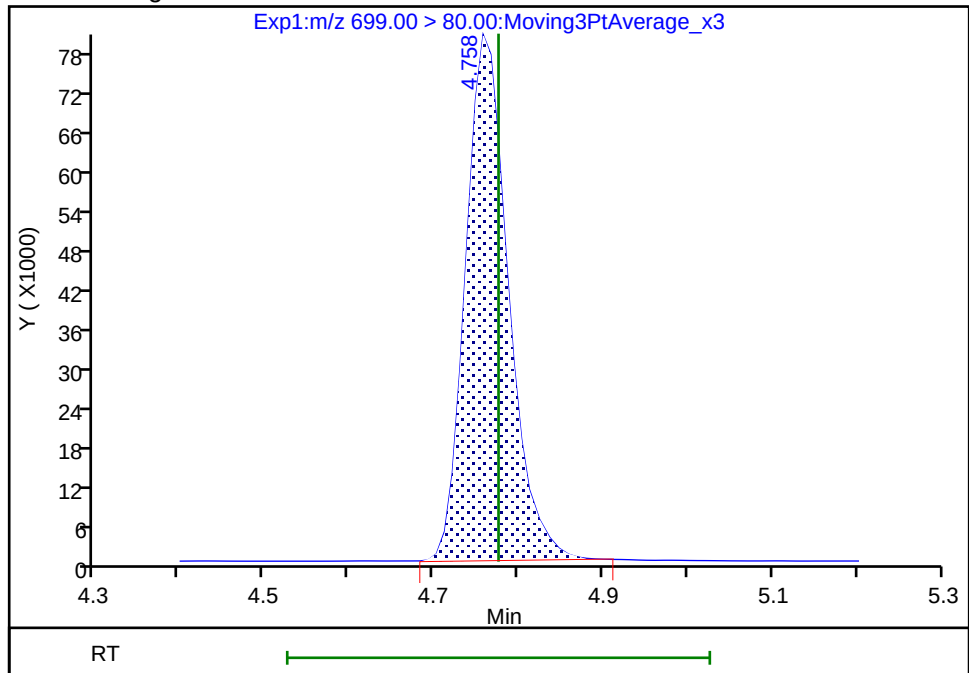
RT: 4.76
Area: 284706
Amount: 0.950409
Amount Units: ng/ml

Processing Integration Results



RT: 4.76
Area: 283364
Amount: 0.945929
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:42:08

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

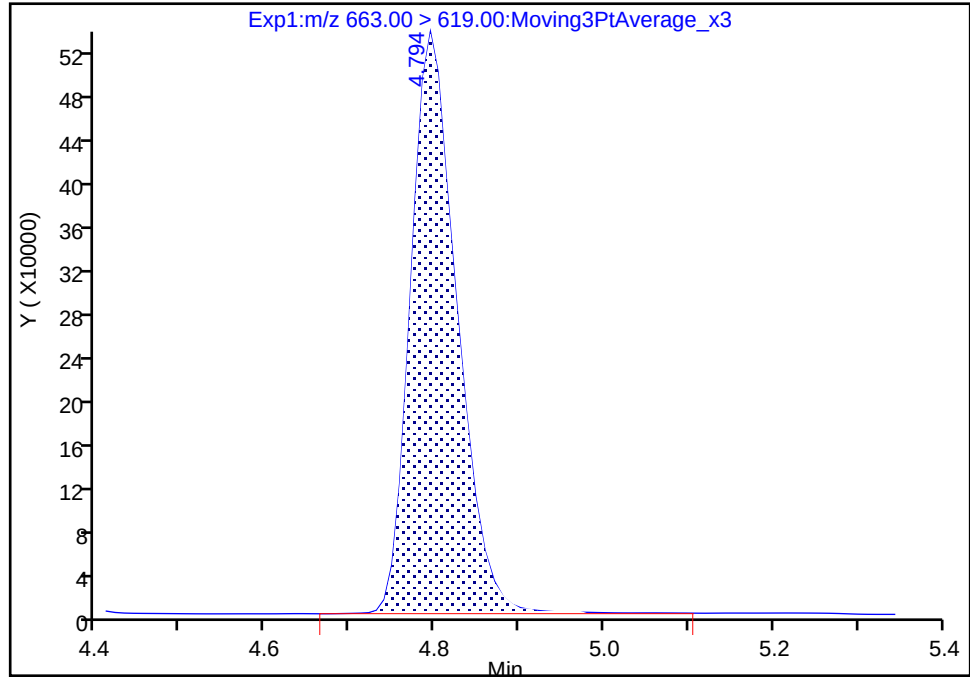
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d
Injection Date: 19-Dec-2022 21:44:40 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

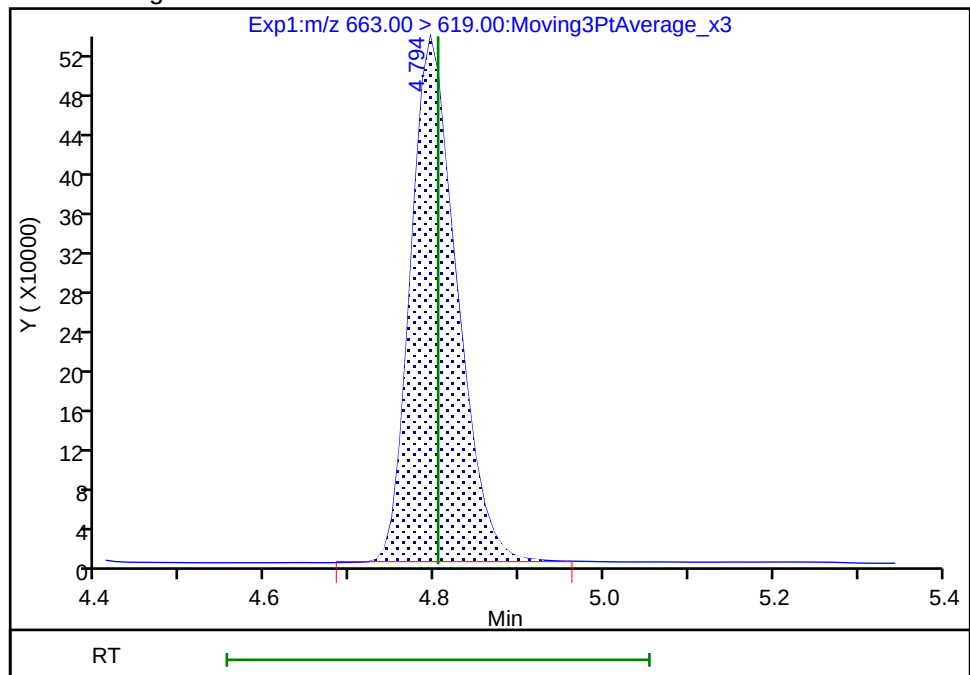
RT: 4.79
Area: 2035322
Amount: 0.912138
Amount Units: ng/ml

Processing Integration Results



RT: 4.79
Area: 2021213
Amount: 0.905815
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:42:25

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

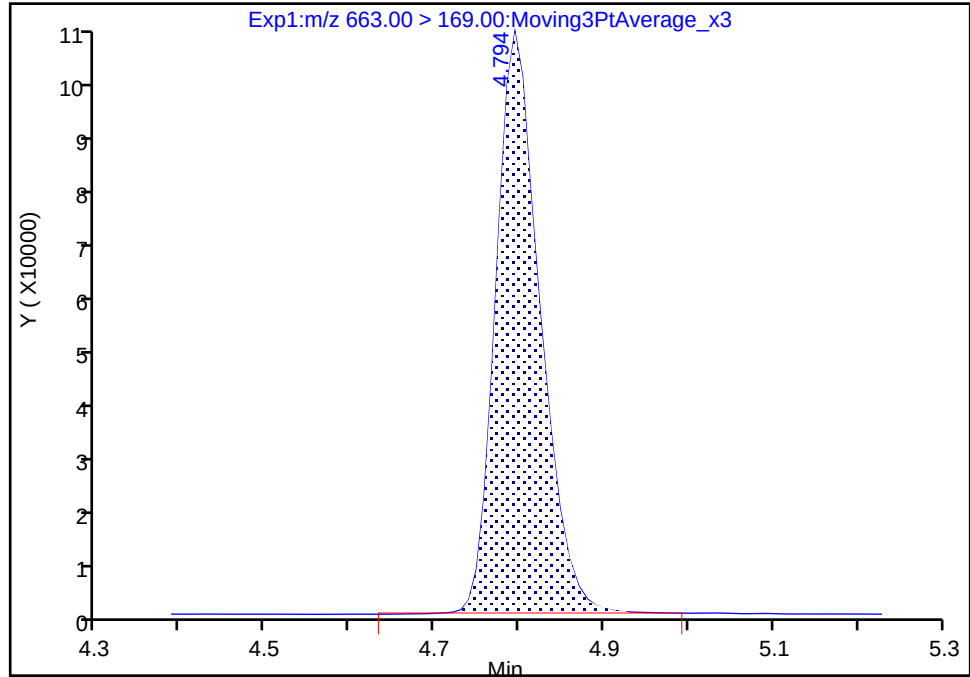
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d
Injection Date: 19-Dec-2022 21:44:40 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

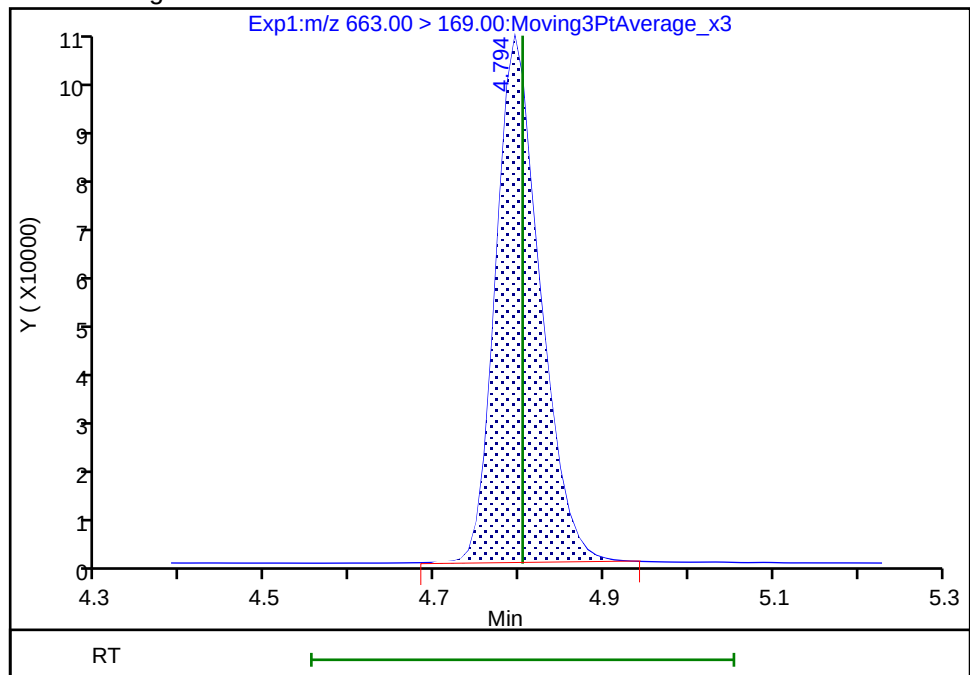
RT: 4.79
Area: 378969
Amount: 0.912138
Amount Units: ng/ml

Processing Integration Results



RT: 4.79
Area: 375096
Amount: 0.905815
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:42:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

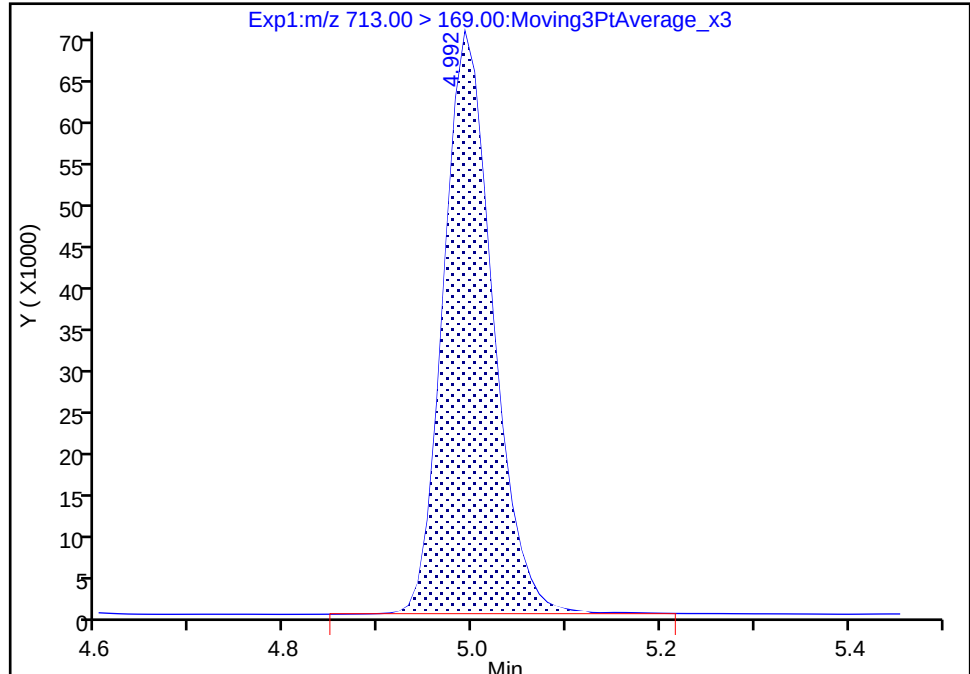
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d
Injection Date: 19-Dec-2022 21:44:40 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

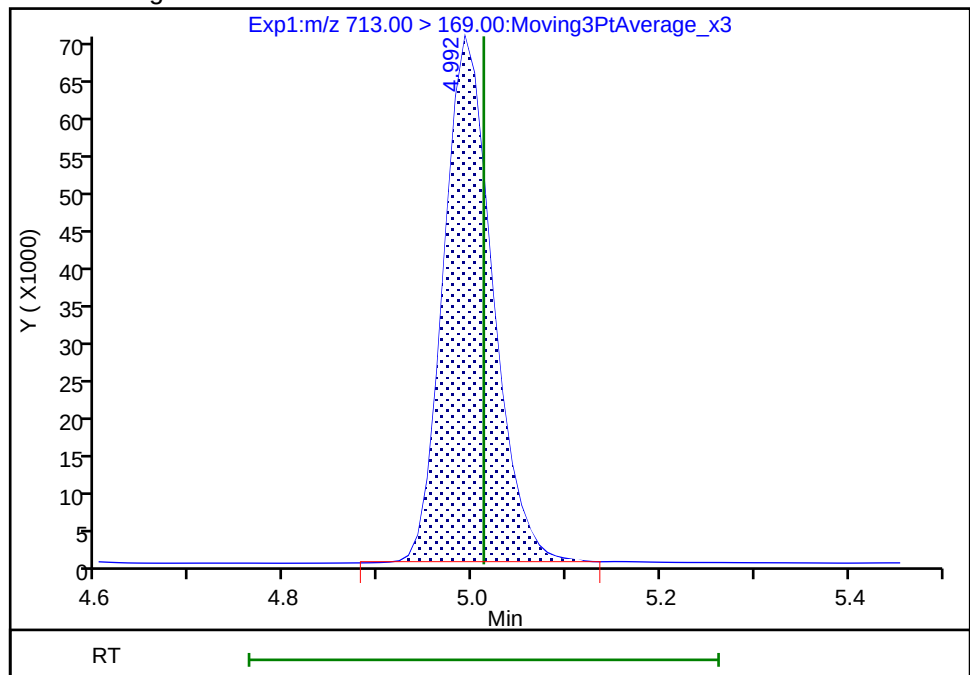
RT: 4.99
Area: 255984
Amount: 0.896375
Amount Units: ng/ml

Processing Integration Results



RT: 4.99
Area: 254602
Amount: 0.891535
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:42:36

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

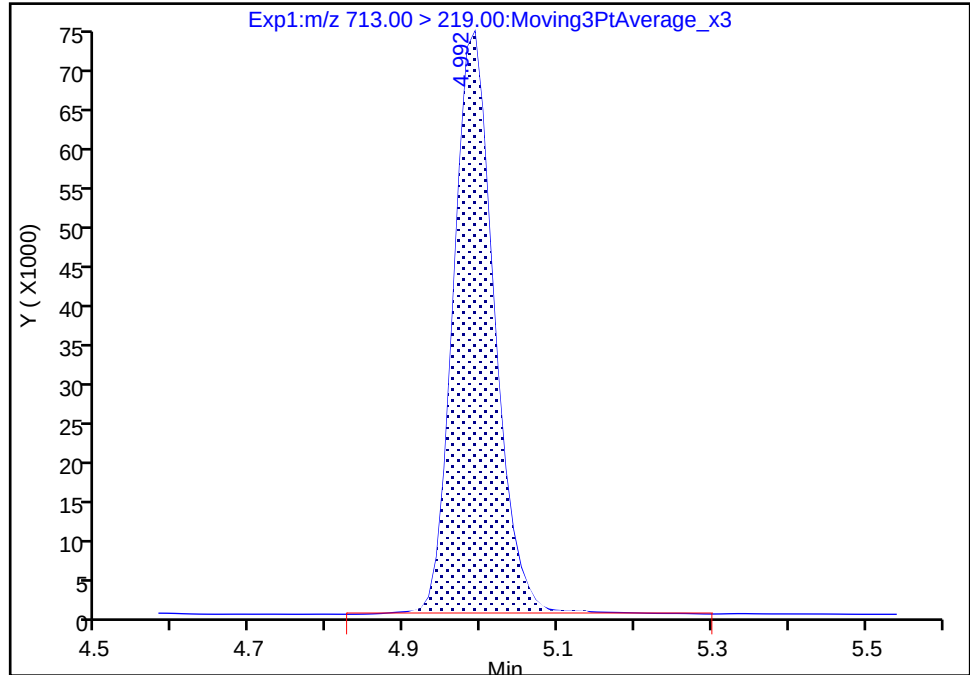
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d
Injection Date: 19-Dec-2022 21:44:40 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

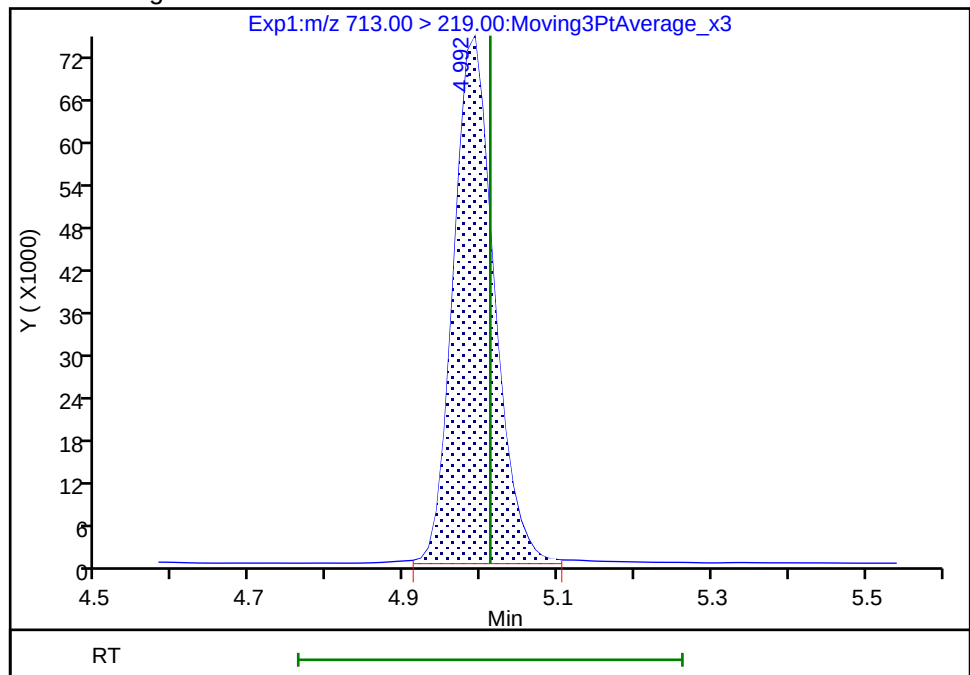
RT: 4.99
Area: 276245
Amount: 0.896375
Amount Units: ng/ml

Processing Integration Results



RT: 4.99
Area: 272905
Amount: 0.891535
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:42:50

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d

Injection Date: 19-Dec-2022 21:44:40

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

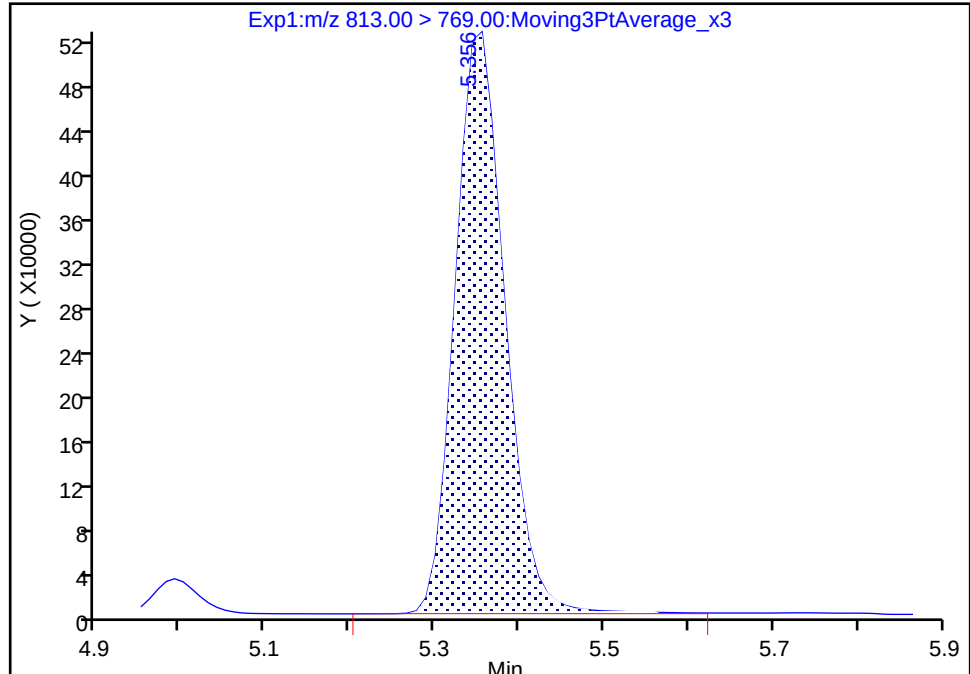
EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

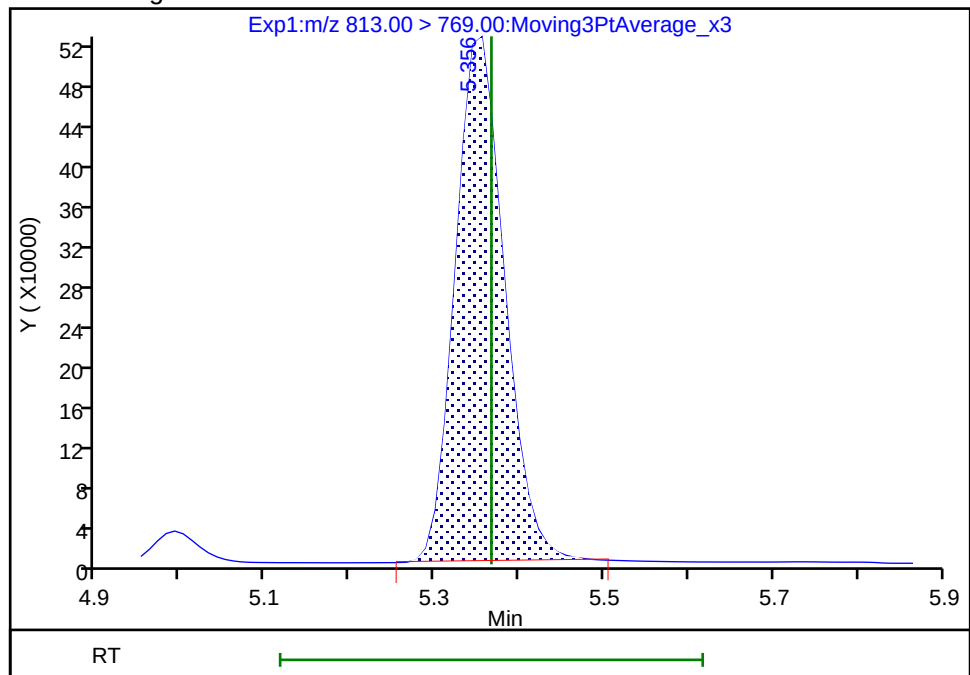
RT: 5.36
Area: 2133487
Amount: 0.959434
Amount Units: ng/ml

Processing Integration Results



RT: 5.36
Area: 2111910
Amount: 0.949558
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:42:56

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

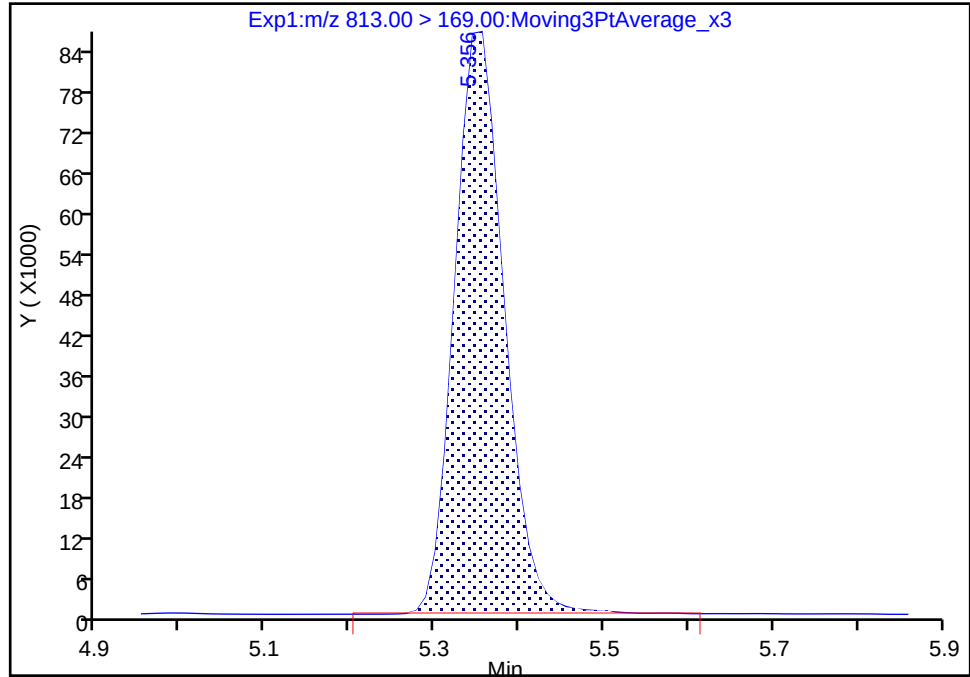
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d
Injection Date: 19-Dec-2022 21:44:40 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

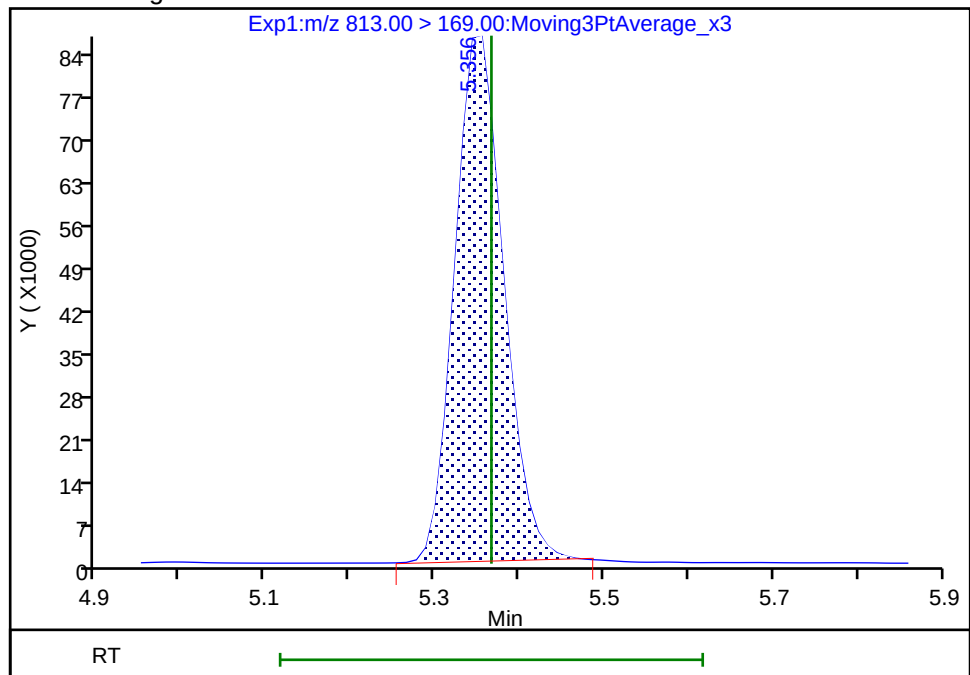
RT: 5.36
Area: 351218
Amount: 0.959434
Amount Units: ng/ml

Processing Integration Results



RT: 5.36
Area: 346238
Amount: 0.949558
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:42:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

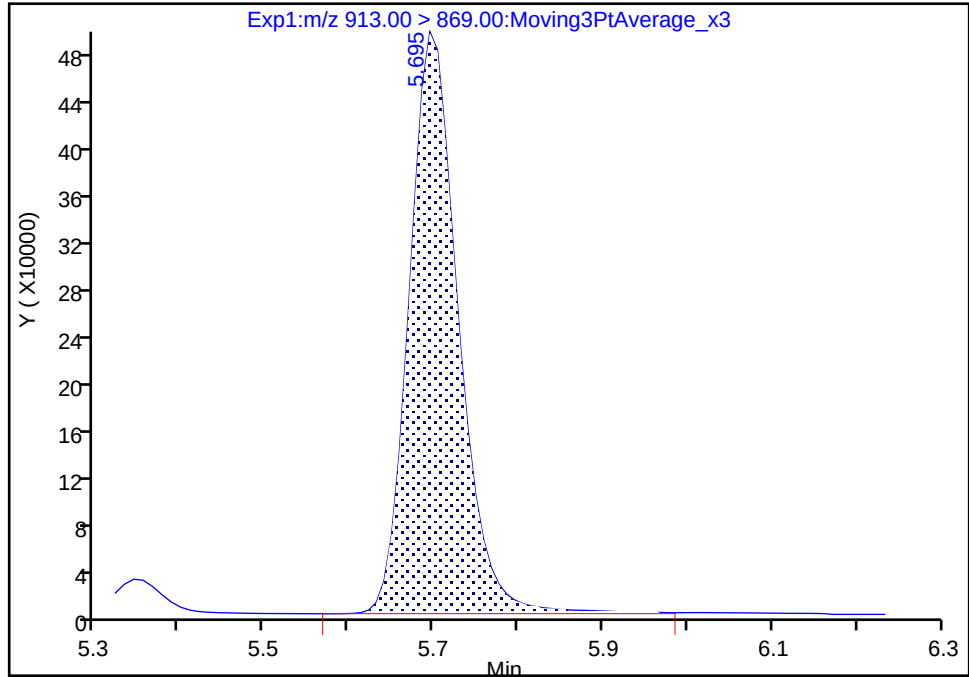
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d
Injection Date: 19-Dec-2022 21:44:40 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

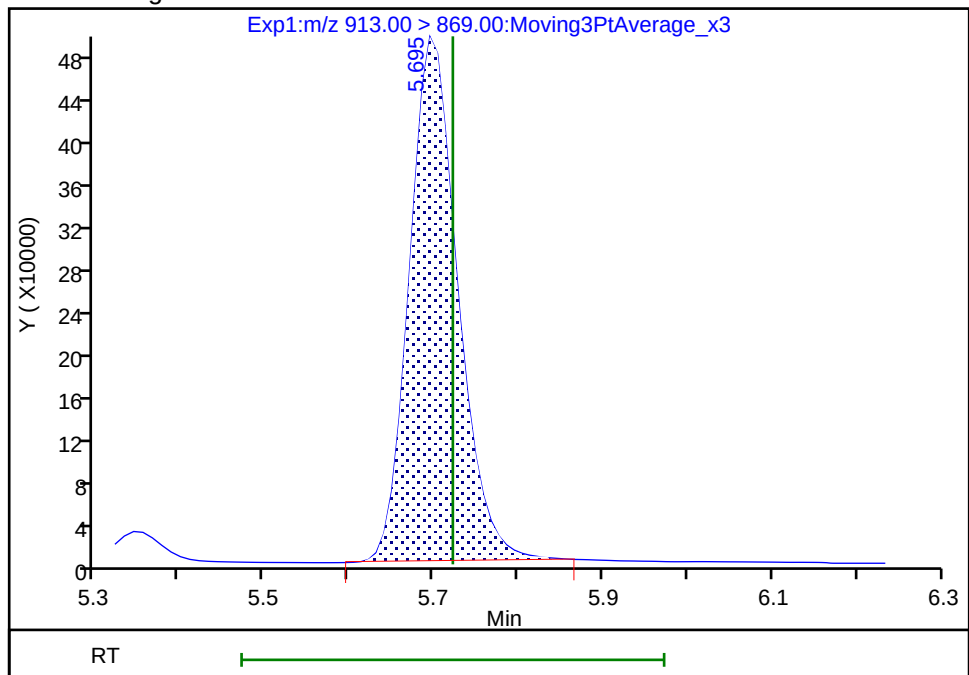
RT: 5.69
Area: 1995021
Amount: 1.019484
Amount Units: ng/ml

Processing Integration Results



RT: 5.69
Area: 1956310
Amount: 0.999702
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:43:03

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

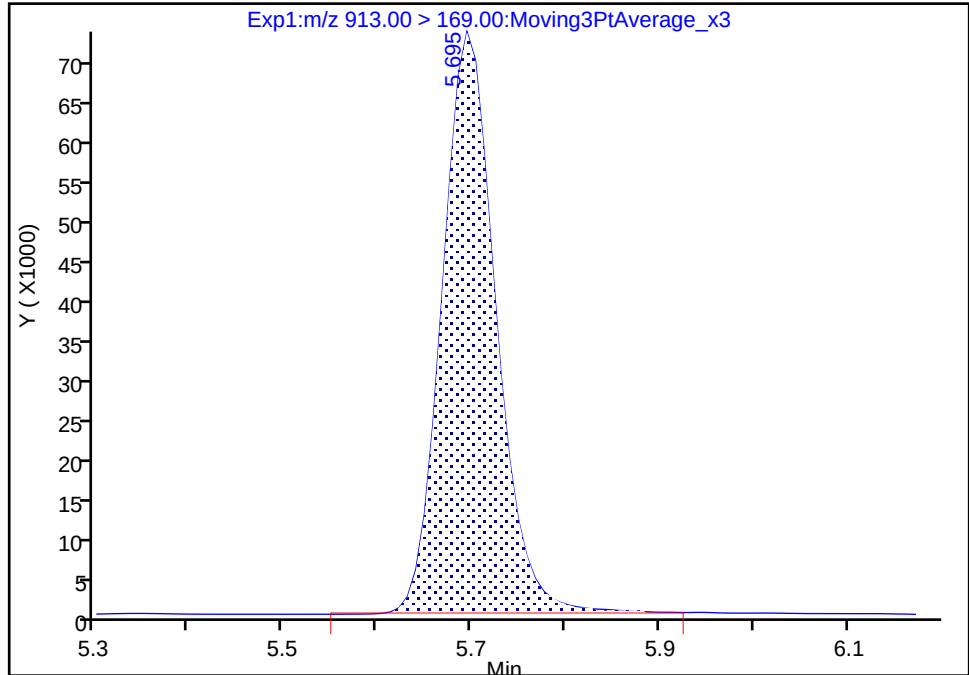
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B27.d
Injection Date: 19-Dec-2022 21:44:40 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

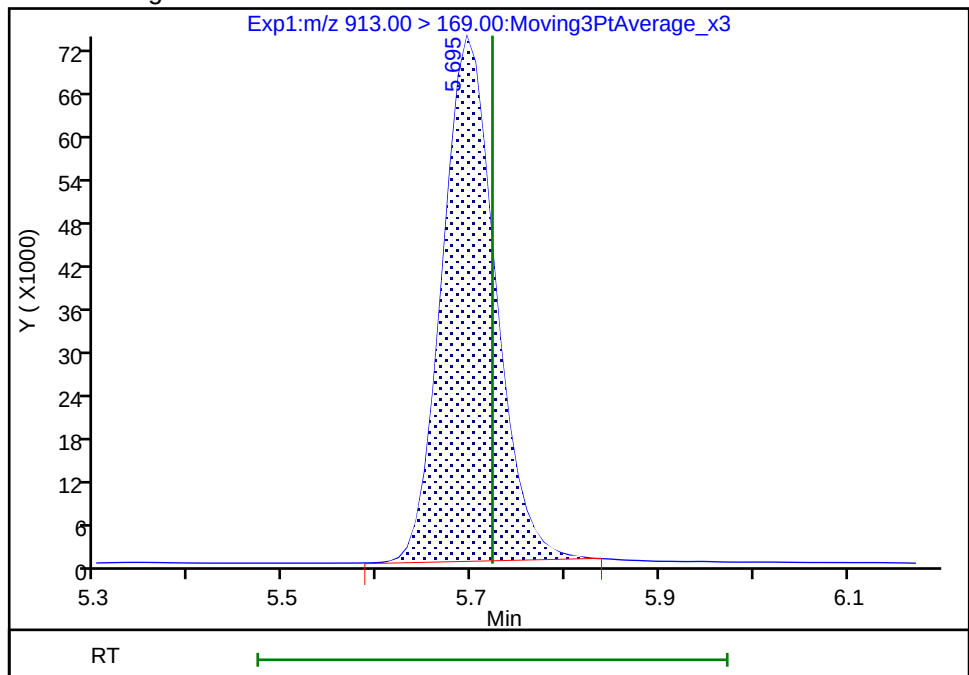
RT: 5.69
Area: 295009
Amount: 1.019484
Amount Units: ng/ml

Processing Integration Results



RT: 5.69
Area: 289457
Amount: 0.999702
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:43:07

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Page 754 of 1022

12/27/2022
2:52 PM

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-271302-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-186815/1-A

Matrix: Solid Lab File ID: PA221219B02.d

Analysis Method: 537 (modified) Date Collected: _____

Extraction Method: SHAKE Date Extracted: 12/16/2022 16:11

Sample wt/vol: 5.00 (g) Date Analyzed: 12/19/2022 18:20

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.: 186872 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.: 460-271302-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-186815/1-A
 Matrix: Solid Lab File ID: PA221219B02.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: SHAKE Date Extracted: 12/16/2022 16:11
 Sample wt/vol: 5.00 (g) Date Analyzed: 12/19/2022 18:20
 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.: 186872 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	96		50-150
STL01892	13C4 PFHpA	92		50-150
STL00990	13C4 PFOA	94		50-150
STL00991	13C4 PFOS	93		50-150
STL00995	13C5 PFNA	95		50-150
STL00992	13C4 PFBA	53		50-150
STL00993	13C2 PFHxA	95		50-150
STL00996	13C2 PFDA	98		50-150
STL00997	13C2 PFUnA	93		50-150
STL00998	13C2 PFDoA	83		50-150
STL01056	13C8 FOSA	88		50-150
STL01893	13C5 PFPeA	81		50-150
STL02116	13C2 PFTeDA	73		50-150
STL02118	d3-NMeFOSAA	94		50-150
STL02117	d5-NEtFOSAA	92		50-150
STL02279	M2-6:2 FTS	94		50-150
STL02280	M2-8:2 FTS	95		50-150
STL02337	13C3 PFBS	88		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B02.d
 Lims ID: MB 200-186815/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 19-Dec-2022 18:20:02 ALS Bottle#: 2 Worklist Smp#: 2
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: MB 200-186815/1-A
 Misc. Info.: 200-0053737-002 Plate: 1 Rack: 2
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 22-Dec-2022 09:36:15 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1616

First Level Reviewer: khanphomeea

Date: 20-Dec-2022 09:36:32

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.086	2.076	0.010	0.607	1558559	0.6686		53.5	5535	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.094	2.076	0.018	1.004	58831	0.0458			4.8	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.391	2.387	0.004	0.696	1786581	1.01		80.5	2695	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.404	2.387	0.017	1.006	10006	0.006424			0.2	M
D 47 13C3 PFBS										
301.90 > 80.00	2.404	2.400	0.004	0.700	1967000	1.02		87.7	342666	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.418	2.400	0.018	1.006	2620	0.001353	Target=2.09		5.1	M
298.90 > 99.00	2.404	2.400	0.004	1.000	1778		1.47(1.04-3.13)		1.1	M
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.708	2.689	0.019	1.005	159	0.000326			2.6	M
D 60 M2-4:2 FTS										
329.00 > 81.00	2.696	2.689	0.007	0.785	184925	1.09		92.9	163	
D 7 13C2 PFHxA										
315.00 > 270.00	2.733	2.725	0.008	0.795	2199472	1.18		94.6	3621	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.733	2.725	0.008	1.000	5619	0.002931	Target=14.25		1.0	M
313.00 > 119.00	2.720	2.725	-0.005	0.996	472		11.90(7.12-21.37)		0.9	M
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.733	2.737	-0.004	0.886	1283	0.000716	Target=3.04		8.4	M
349.00 > 99.00	2.733	2.737	-0.004	0.886	624		2.06(1.52-4.56)		1.7	M
67 Perfluoro(2-propoxypropanoic) ac										
285.00 > 169.00	2.830	2.835	-0.005	1.000	301	0.000966			5.3	

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	2.830	2.835	-0.005	0.824	368857	1.12		89.9	1963	
D 11 18O2 PFHxS										
403.00 > 84.00	3.083	3.088	-0.005	0.897	1586981	1.13		95.5	3469	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.094	3.088	0.006	1.004	5655	0.003733	Target=3.66	23.5		M
399.00 > 99.00	3.094	3.088	0.006	1.004	2431		2.33(1.83-5.49)	3.1		M
D 9 13C4 PFHpA										
367.00 > 322.00	3.094	3.099	-0.005	0.901	2200070	1.15		92.0	2607	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.094	3.099	-0.005	1.000	3307	0.001726	Target=3.97	1.0		M
363.00 > 169.00	3.083	3.099	-0.016	0.996	896		3.69(1.98-5.95)	3.4		
77 DONA										
377.00 > 251.00	3.127	3.132	-0.005	0.834	2153	0.000443	Target=3.16	3.4		M
377.00 > 85.00	3.127	3.132	-0.005	0.834	850		2.53(1.58-4.73)	1.6		M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.426	3.439	-0.013	0.997	263367	1.12		94.1	716	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.435	3.439	-0.004	1.003	1617	-0.008421		5.2		
D 14 13C4 PFOA										
417.00 > 372.00	3.435	3.448	-0.013	1.000	2522609	1.17		93.8	6159	
* 62 13C2 PFOA										
415.00 > 370.00	3.435	3.448	-0.013		2597687	1.25		3984		
15 Perfluorooctanoic acid										
413.00 > 369.00	3.461	3.448	0.013	1.008	5260	0.002438	Target=2.79	0.5		M
413.00 > 169.00	3.435	3.448	-0.013	1.000	1552		3.39(1.40-4.19)	3.6		M
D 18 13C4 PFOS										
503.00 > 80.00	3.751	3.764	-0.013	1.092	1055616	1.11		92.7	2612	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.760	3.764	-0.004	1.003	3595	0.003346	Target=5.11	3.4		M
499.00 > 99.00	3.751	3.764	-0.013	1.000	998		3.60(2.55-7.66)	2.8		M
20 Perfluorononanoic acid										
463.00 > 419.00	3.770	3.783	-0.013	1.000	6577	0.003194	Target=8.55	1.7		M
463.00 > 169.00	3.770	3.783	-0.013	1.000	564		11.66(4.28-12.83)	6.0		M
D 19 13C5 PFNA										
468.00 > 423.00	3.770	3.783	-0.013	1.097	2481581	1.19		95.0	5353	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.912	3.928	-0.016	1.043	1128	0.000457		6.5		M
D 23 13C2 PFDA										
515.00 > 470.00	4.070	4.081	-0.011	1.185	2619946	1.23		98.4	5703	
24 Perfluorodecanoic acid										
513.00 > 469.00	4.060	4.081	-0.021	0.997	3611	0.001589	Target=10.26	1.4		M
513.00 > 169.00	4.080	4.081	-0.001	1.003	312		11.57(5.13-15.38)	0.9		M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.080	4.093	-0.013	1.188	326388	1.13		94.6	1313	M
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.092	4.093	-0.001	1.003	803	0.001822		18.7		M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.137	4.150	-0.013	1.000	1307	0.000810			3.2	M
D 21 13C8 FOSA										
506.00 > 78.00	4.137	4.150	-0.013	1.204	1930685	1.11		88.4	2918	
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.216	4.228	-0.012	1.227	508099	1.17		93.7	1261	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.216	4.228	-0.012	1.000	2644	-0.004065			7.4	M
29 Perfluorodecanesulfonic acid										RM
599.00 > 80.00	4.307	4.331	-0.024	1.148	394	0.000615	Target=2.51		5.6	RM
599.00 > 99.00	4.318	4.331	-0.013	1.151	368		1.07(1.25-3.76)		5.1	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.341	4.353	-0.012	1.264	2269273	1.16		93.1	4693	
31 Perfluoroundecanoic acid										RM
563.00 > 519.00	4.352	4.353	-0.001	1.003	3698	0.002021	Target=9.88		1.6	R
563.00 > 169.00	4.341	4.353	-0.012	1.000	135		27.39(4.94-14.82)		2.2	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.364	4.365	-0.001	1.005	2639	0.007481			22.6	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.341	4.365	-0.024	1.264	492515	1.15		92.3	806	
66 11-Chloroeicosafuoro-3-oxaundec										M
631.00 > 451.00	4.442	4.454	-0.012	1.184	2228	0.000586			10.8	M
37 Perfluorododecanoic acid										RM
613.00 > 569.00	4.566	4.591	-0.025	1.000	3618	0.002074	Target=7.77		0.4	RM
613.00 > 169.00	4.566	4.591	-0.025	1.000	251		14.41(3.89-11.66)		2.4	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.566	4.591	-0.025	1.329	2058656	1.04		82.9	3799	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.579	4.612	-0.033	1.122	232	0.000876			5.6	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	4.981	5.012	-0.031	1.000	382	0.002233	Target=0.89		7.2	M
713.00 > 219.00	4.971	5.012	-0.041	0.998	570		0.67(0.44-1.33)		6.2	M
D 43 13C2 PFTeDA										
715.00 > 670.00	4.981	5.012	-0.031	1.450	1562048	0.9088		72.7	5043	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.332	5.367	-0.035	1.000	20210	-0.002413	Target=5.65		2.7	
813.00 > 169.00	5.332	5.367	-0.035	1.000	3502		5.77(2.82-8.47)		30.0	
D 44 13C2 PFHxDA										
815.00 > 770.00	5.332	5.367	-0.035	1.552	1873280	0.8816		70.5	3243	
46 Perfluorooctadecanoic acid										RM
913.00 > 869.00	5.685	5.722	-0.037	1.066	5310	0.004302	Target=6.24		0.8	RM
913.00 > 169.00	5.685	5.722	-0.037	1.066	567		9.37(3.12-9.36)		8.4	M

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B02.d

Injection Date: 19-Dec-2022 18:20:02

Instrument ID: LC812

Lims ID: MB 200-186815/1-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

2

Worklist Smp#: 2

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

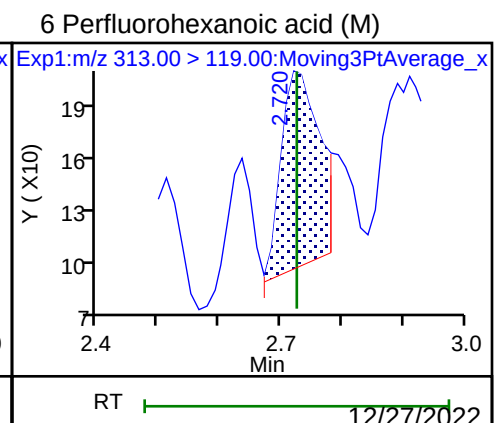
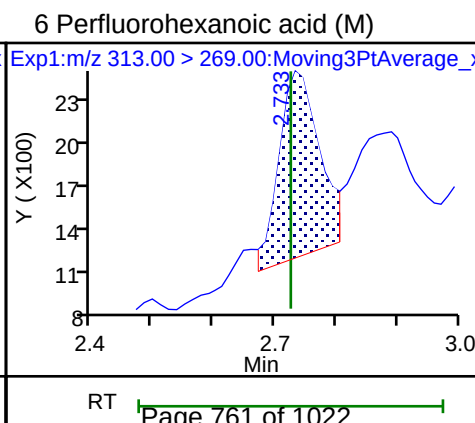
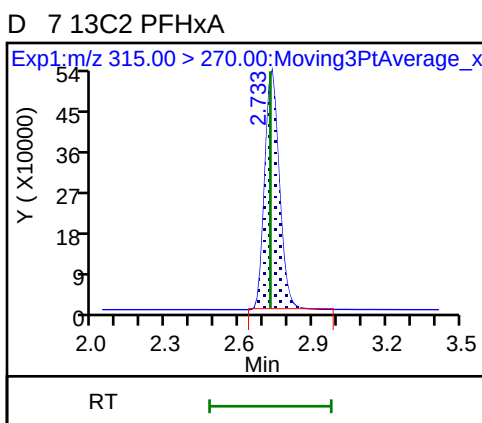
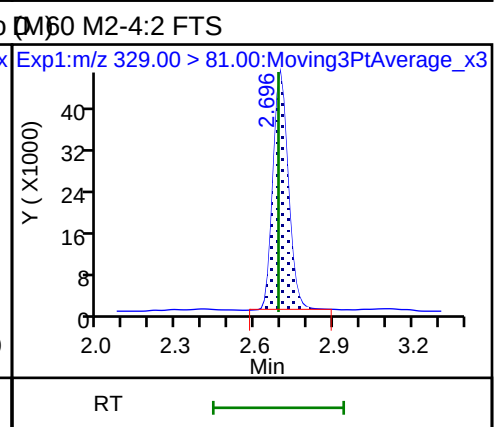
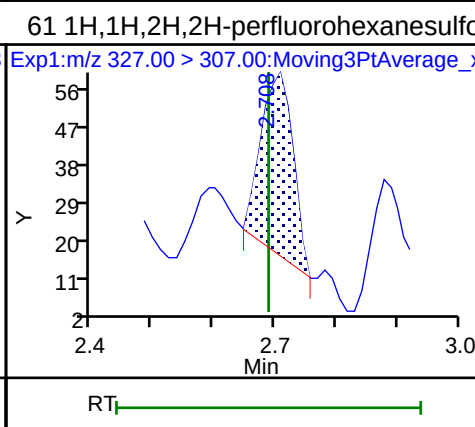
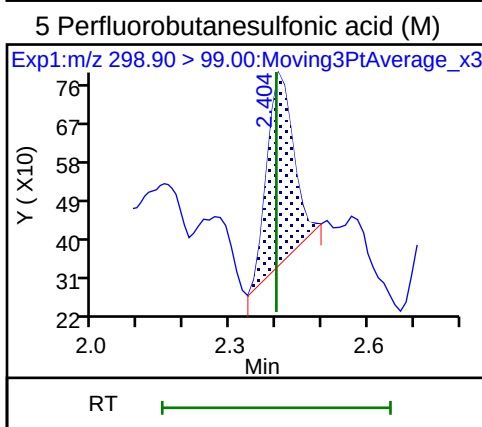
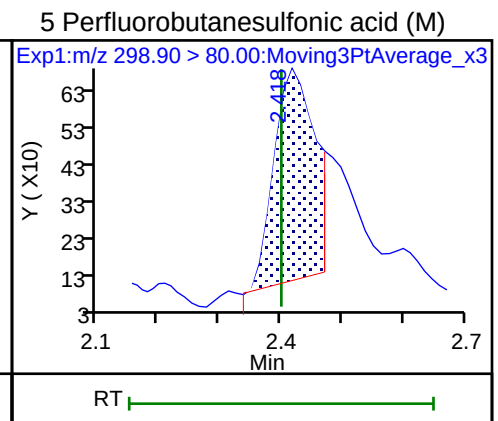
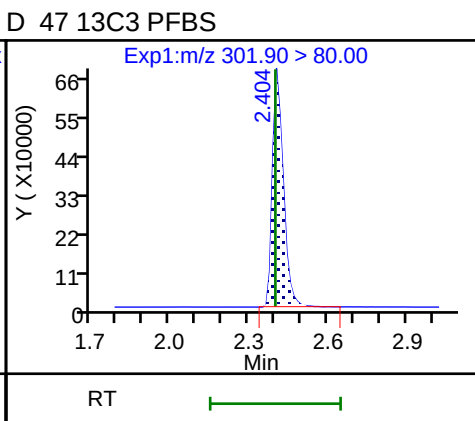
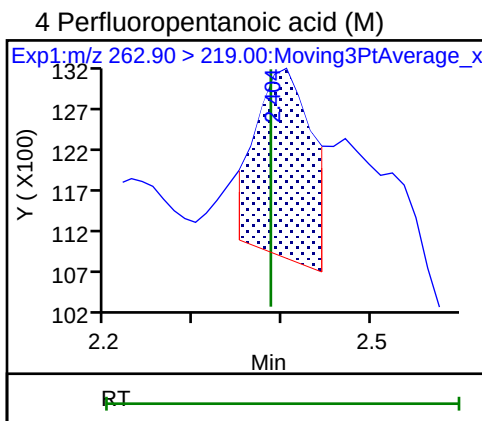
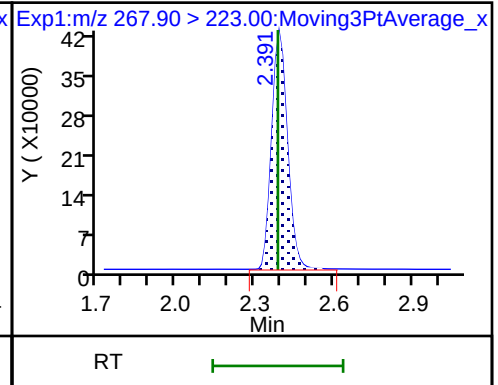
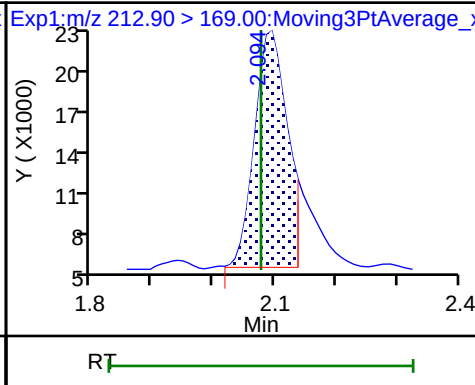
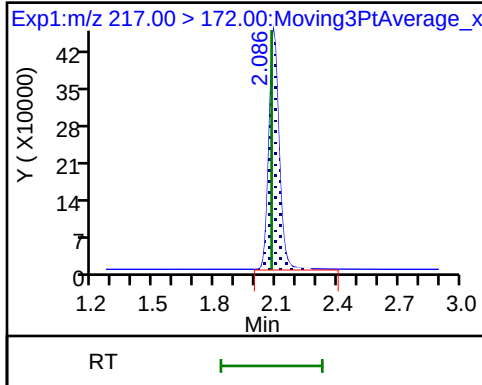
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

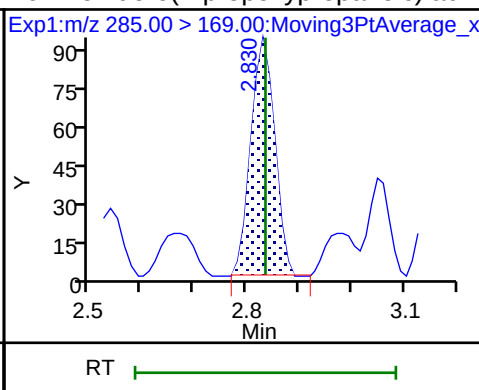
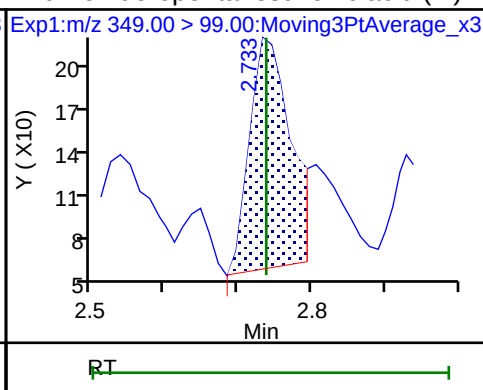
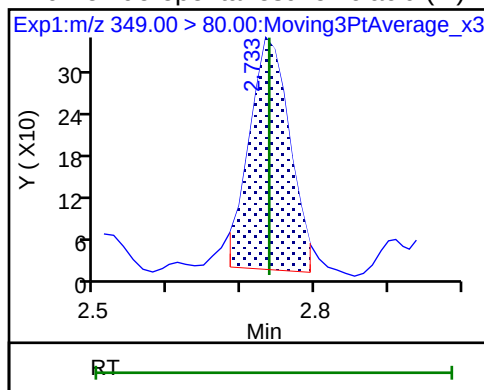
D 3 13C5 PFPeA



70 Perfluoropentanesulfonic acid (M)

70 Perfluoropentanesulfonic acid (M)

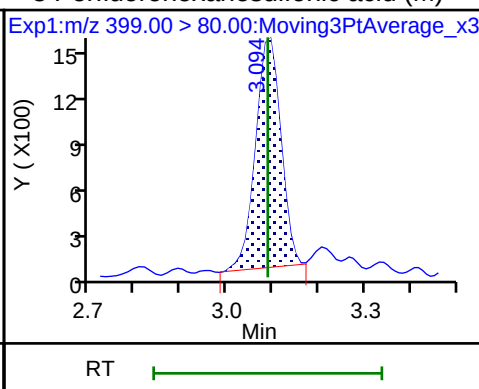
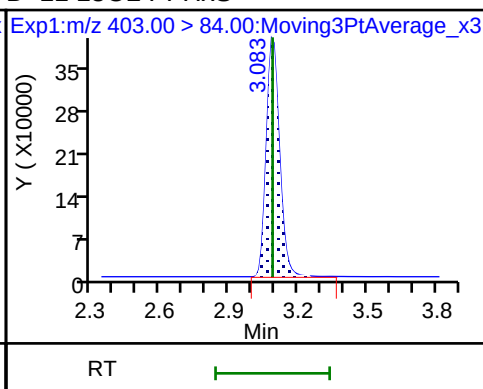
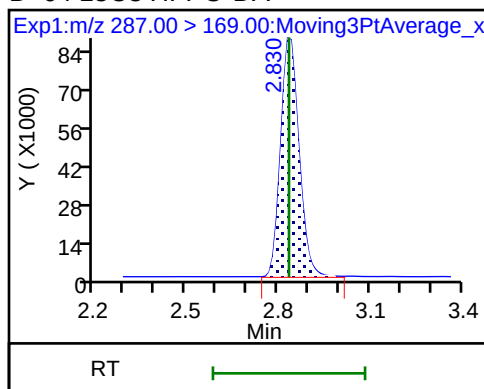
67 Perfluoro(2-propoxypropanoic) ac



D 64 13C3 HFPO-DA

D 11 18O2 PFHxS

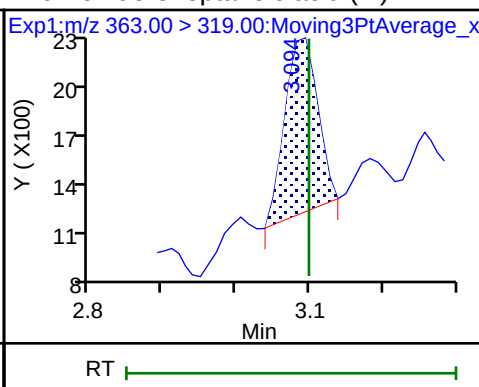
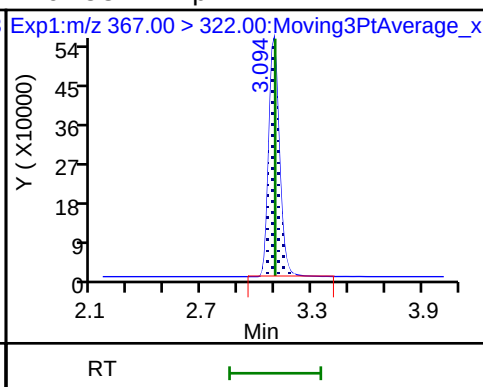
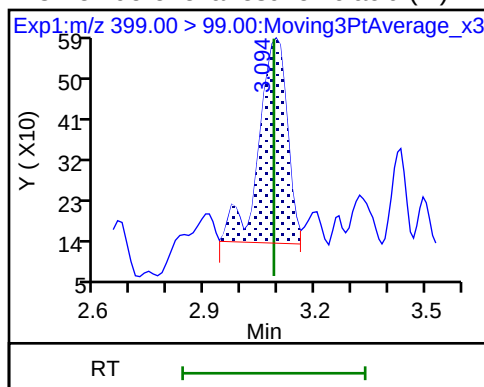
8 Perfluorohexanesulfonic acid (M)



8 Perfluorohexanesulfonic acid (M)

D 9 13C4 PFHpA

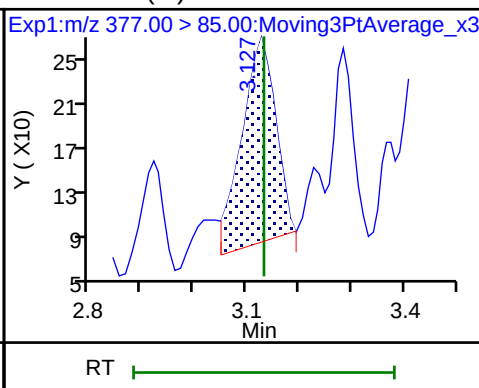
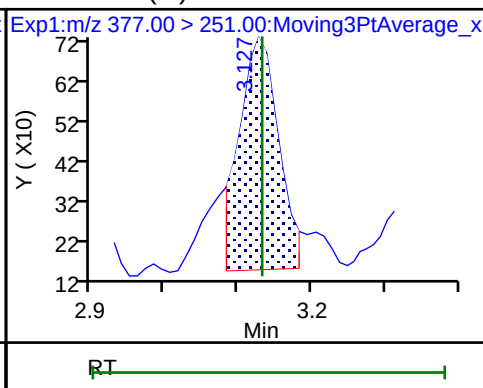
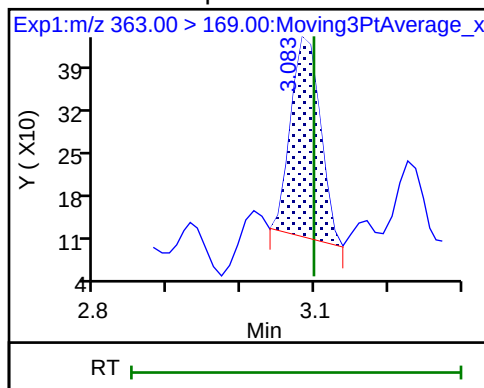
10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid

77 DONA (M)

77 DONA (M)



D 12 M2-6:2 FTS

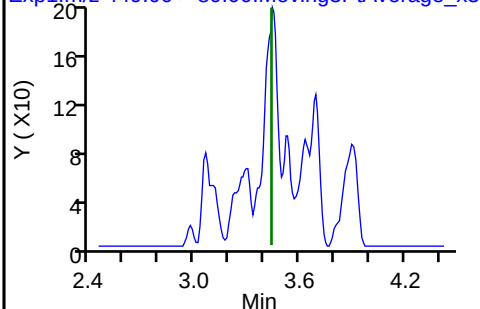
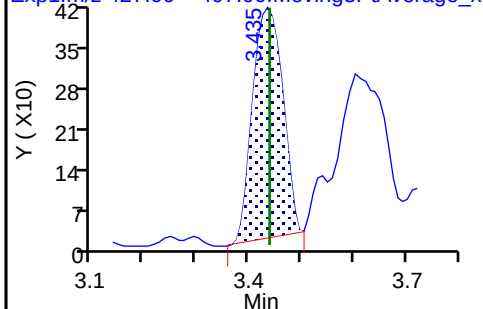
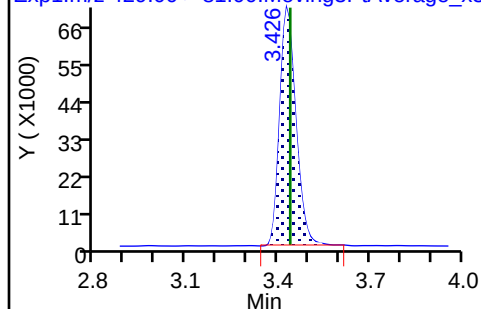
13 1H,1H,2H,2H-perfluorooctanesulfo

16 Perfluoroheptanesulfonic acid (ND)

Exp1:m/z 429.00 > 81.00:Moving3PtAverage_x3

Exp1:m/z 427.00 > 407.00:Moving3PtAverage_x3

Exp1:m/z 449.00 > 80.00:Moving3PtAverage_x3



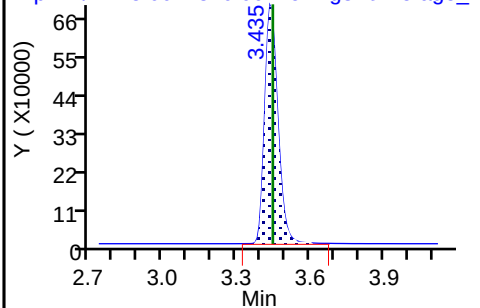
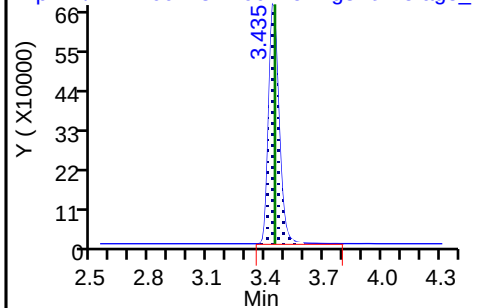
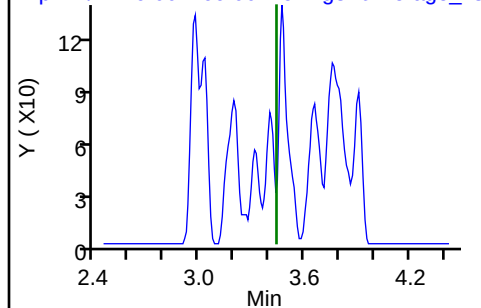
16 Perfluoroheptanesulfonic acid (ND) D 14 13C4 PFOA

* 62 13C2 PFOA

Exp1:m/z 449.00 > 99.00:Moving3PtAverage_x3

Exp1:m/z 417.00 > 372.00:Moving3PtAverage_x3

Exp1:m/z 415.00 > 370.00:Moving3PtAverage_x3



15 Perfluorooctanoic acid

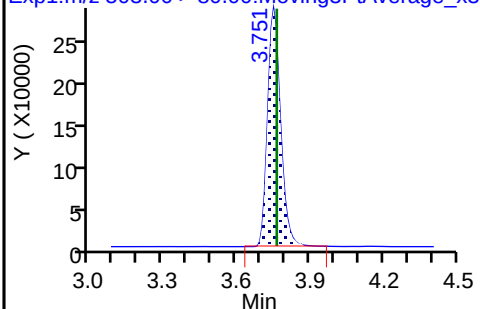
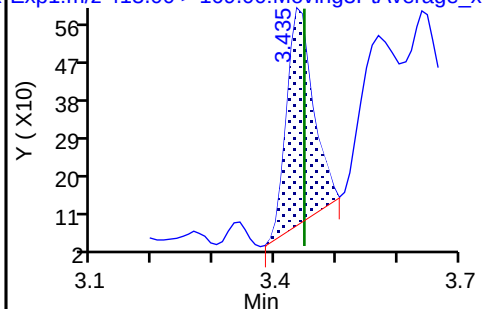
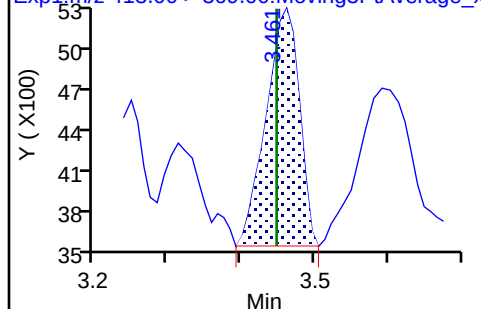
15 Perfluorooctanoic acid (M)

D 18 13C4 PFOS

Exp1:m/z 413.00 > 369.00:Moving3PtAverage_x3

Exp1:m/z 413.00 > 169.00:Moving3PtAverage_x3

Exp1:m/z 503.00 > 80.00:Moving3PtAverage_x3



17 Perfluorooctanesulfonic acid (M)

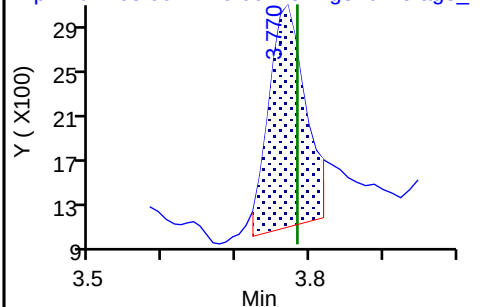
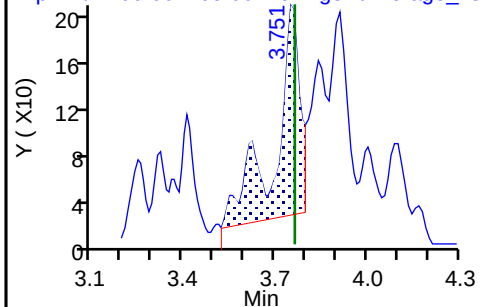
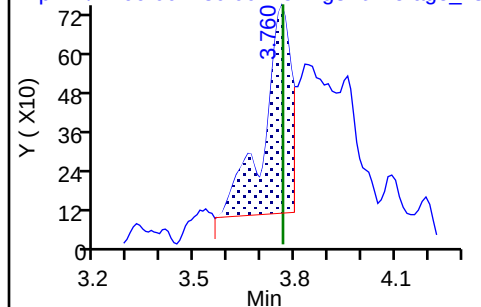
17 Perfluorooctanesulfonic acid (M)

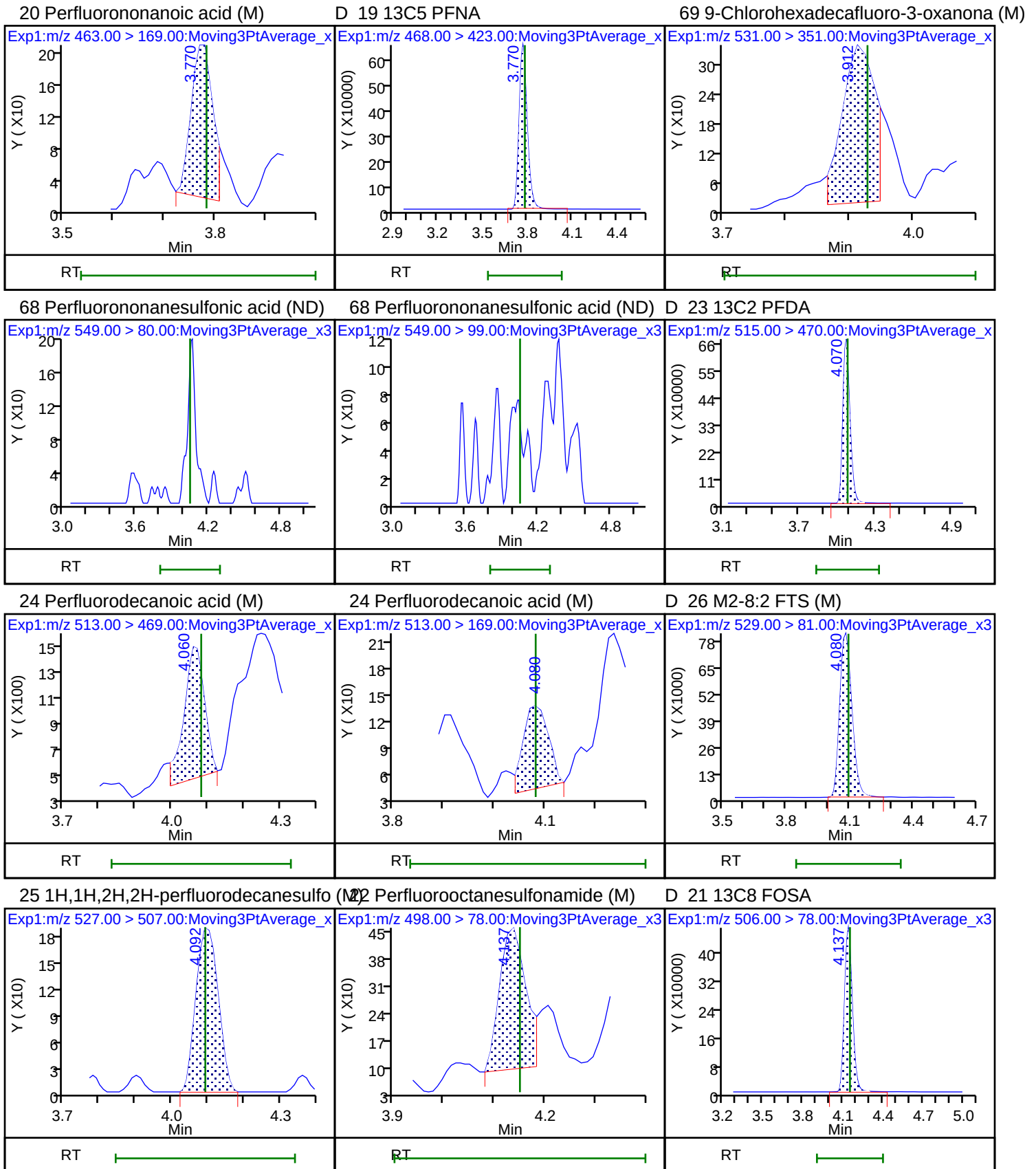
20 Perfluorononanoic acid (M)

Exp1:m/z 499.00 > 80.00:Moving3PtAverage_x3

Exp1:m/z 499.00 > 99.00:Moving3PtAverage_x3

Exp1:m/z 463.00 > 419.00:Moving3PtAverage_x3

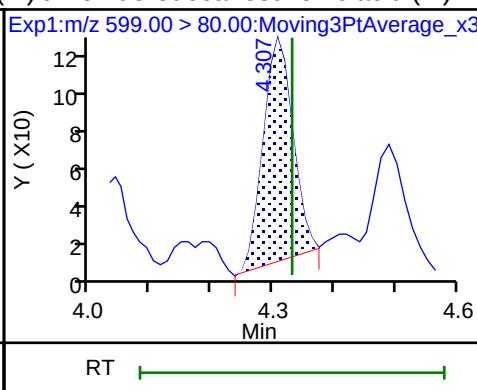
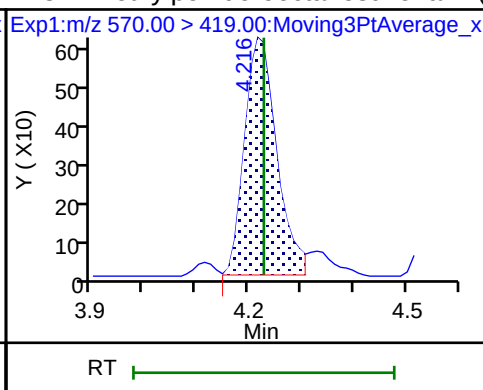
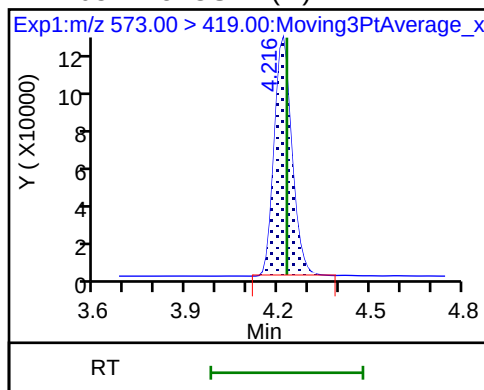




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

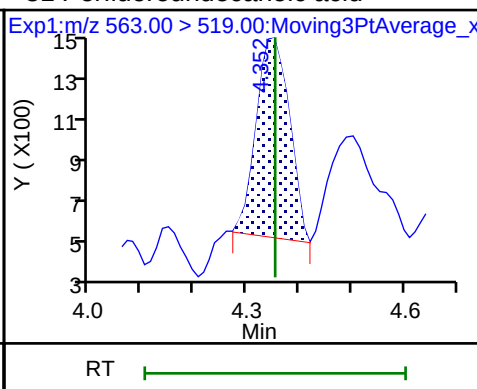
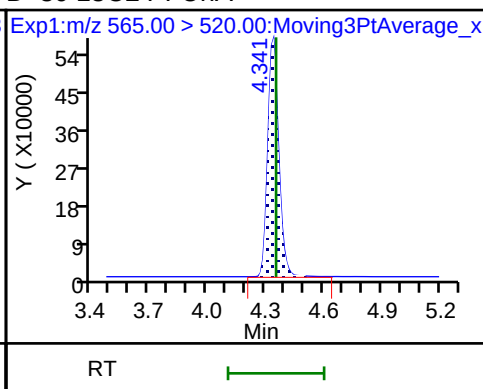
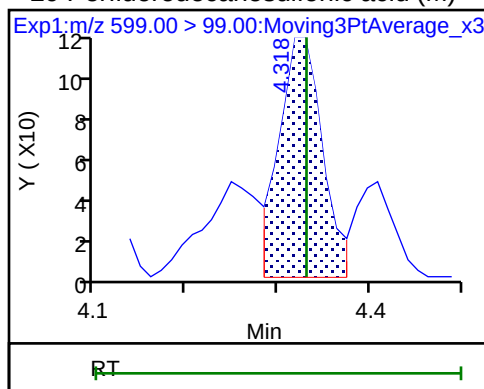
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUoA

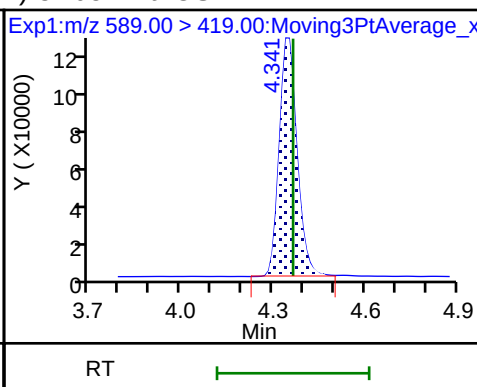
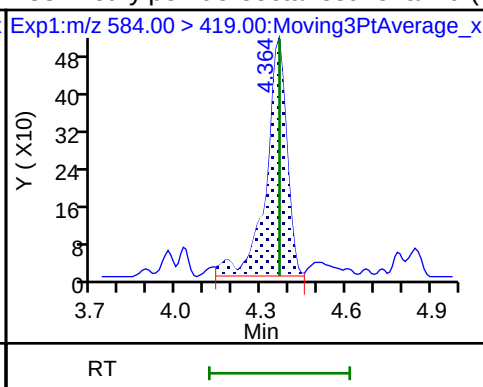
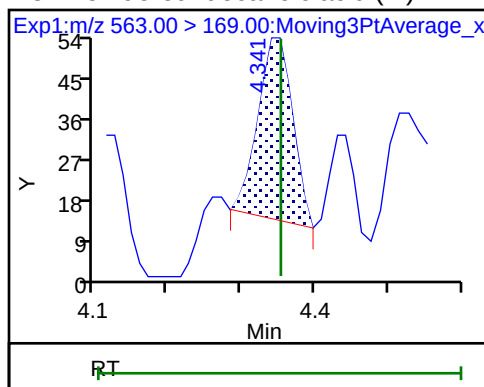
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid (M)

33 N-ethylperfluorooctanesulfonamid (M)

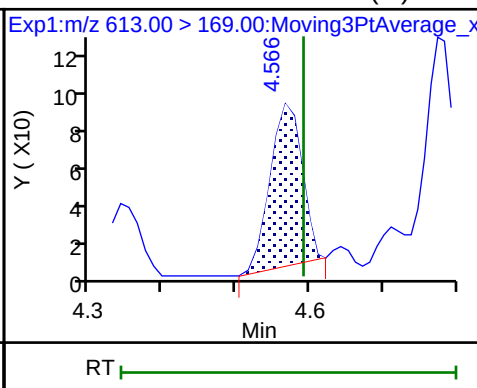
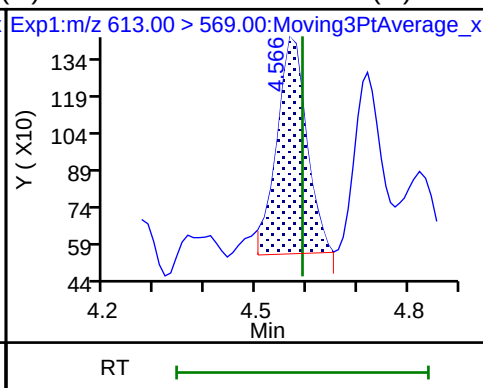
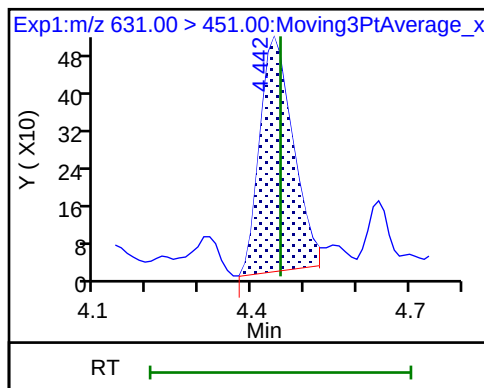
32 d5-NEtFOSAA



66 11-Chloroeicosafluoro-3-oxaundec (M)

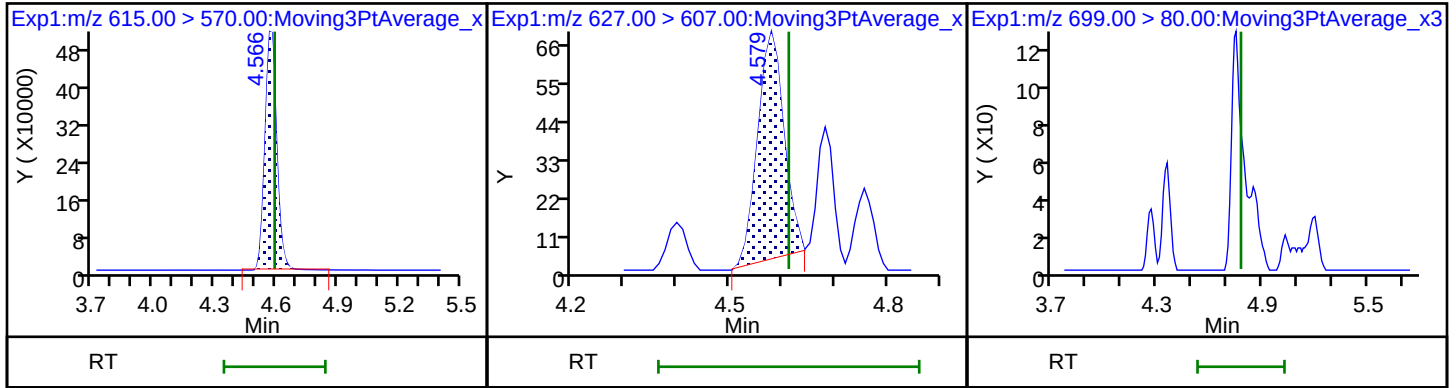
37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid (M)



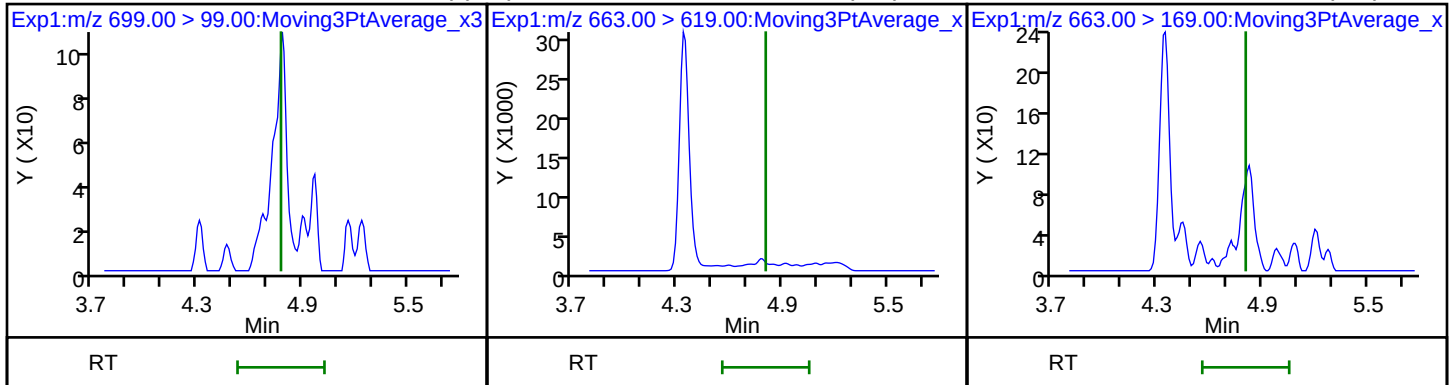
D 36 13C2 PFDaA

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



75 Perfluorododecanesulfonic acid ((ND) 41 Perfluorotridecanoic acid (ND)

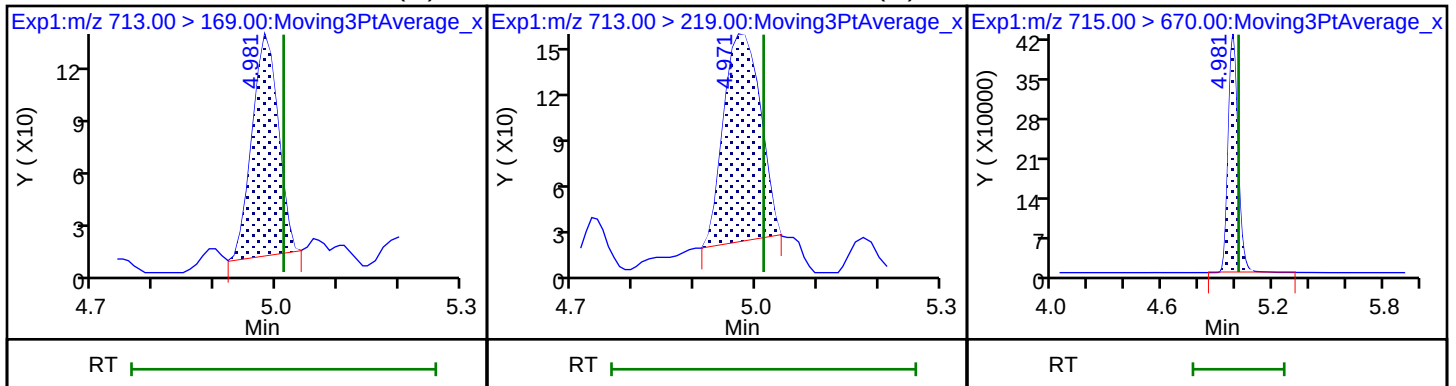
41 Perfluorotridecanoic acid (ND)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

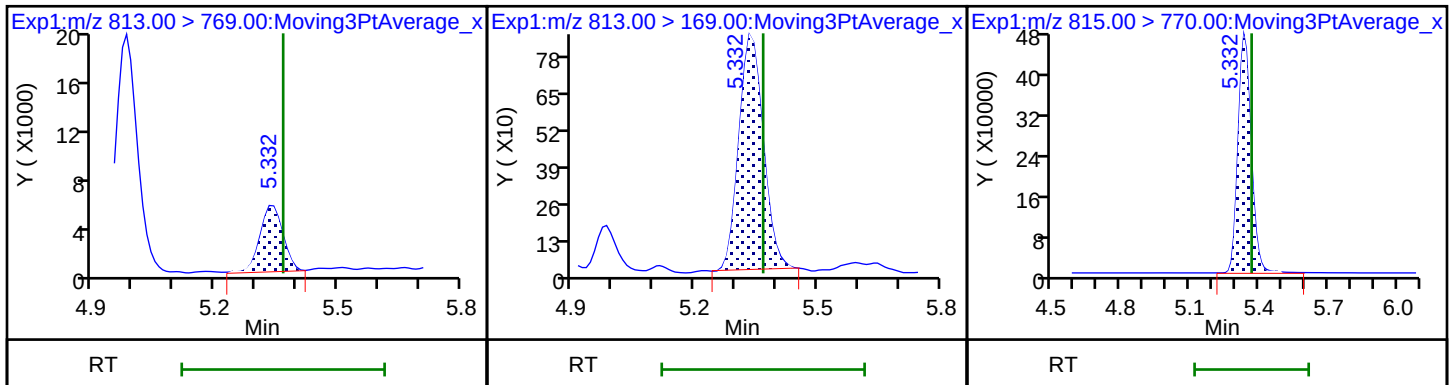
D 43 13C2 PFTeDA



45 Perfluorohexadecanoic acid

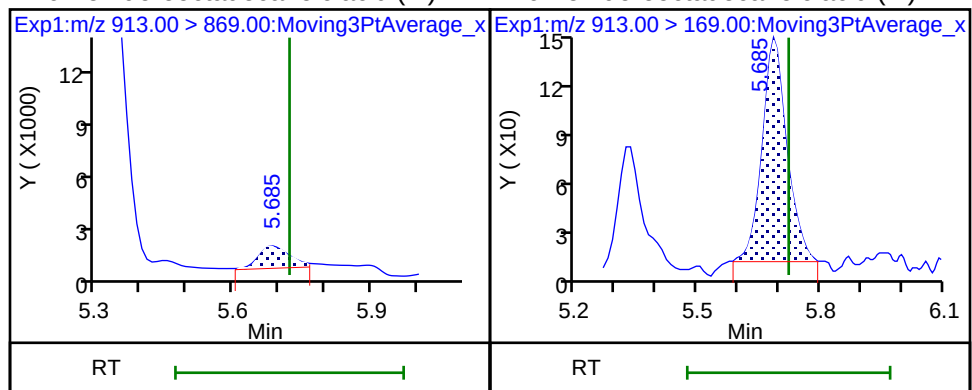
45 Perfluorohexadecanoic acid

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B02.d

Injection Date: 19-Dec-2022 18:20:02

Instrument ID: LC812

Lims ID: MB 200-186815/1-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

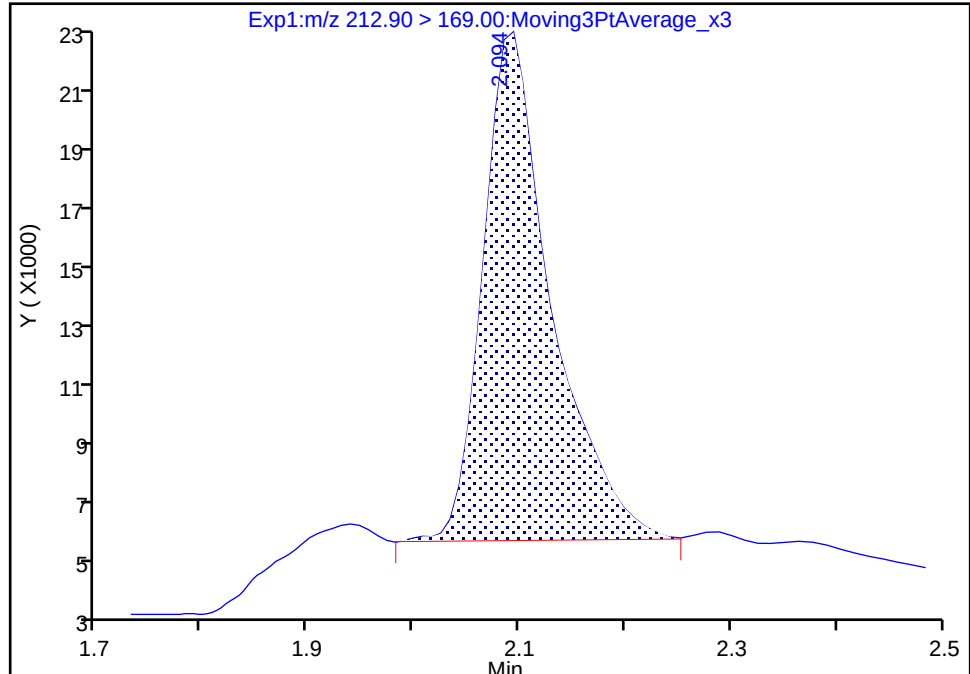
EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

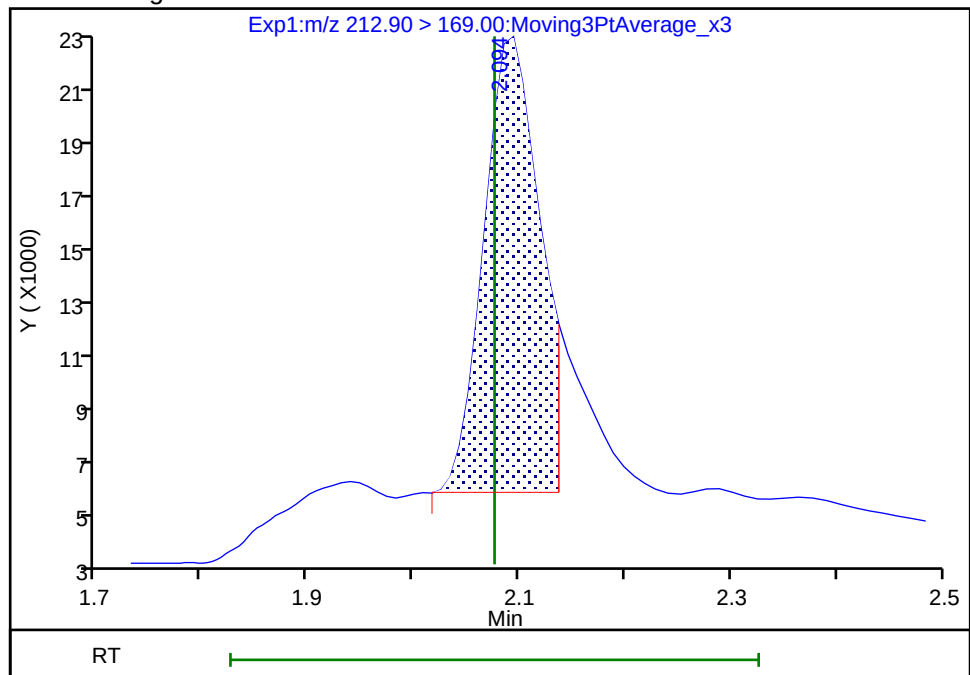
RT: 2.09
Area: 72750
Amount: 0.056582
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 58831
Amount: 0.045756
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:30:16

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

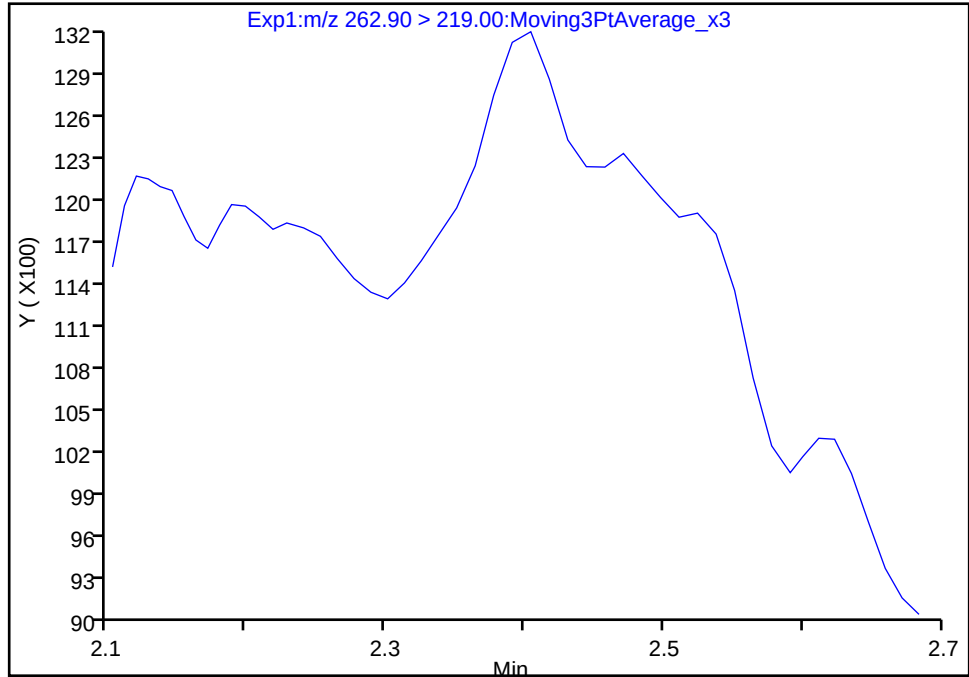
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B02.d
Injection Date: 19-Dec-2022 18:20:02 Instrument ID: LC812
Lims ID: MB 200-186815/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

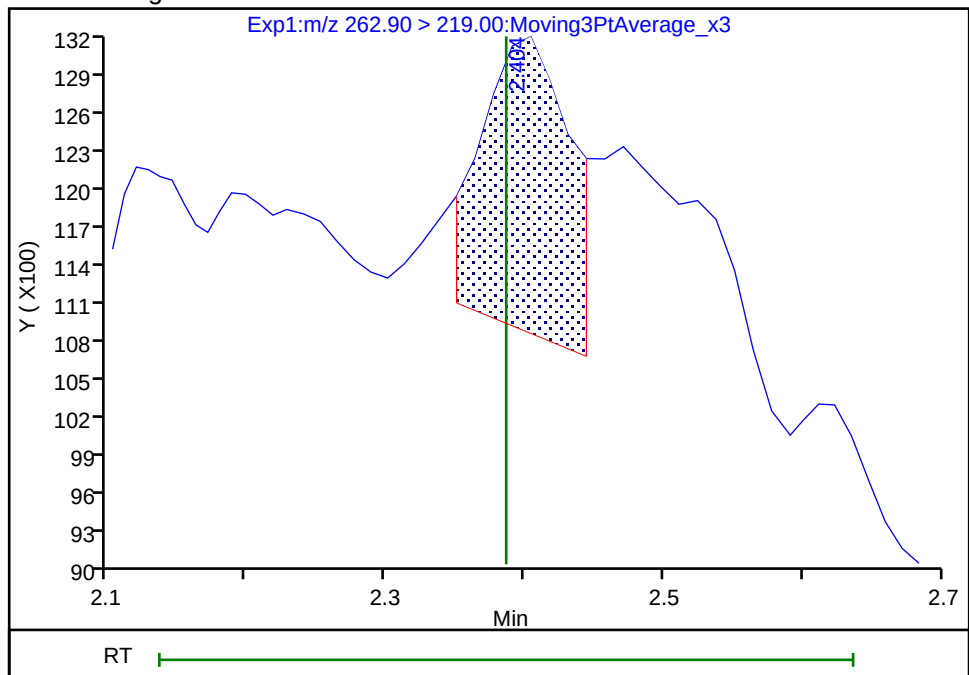
Not Detected
Expected RT: 2.39

Processing Integration Results



Manual Integration Results

RT: 2.40
Area: 10006
Amount: 0.006424
Amount Units: ng/ml



Reviewer: khanphomeea, 20-Dec-2022 09:30:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

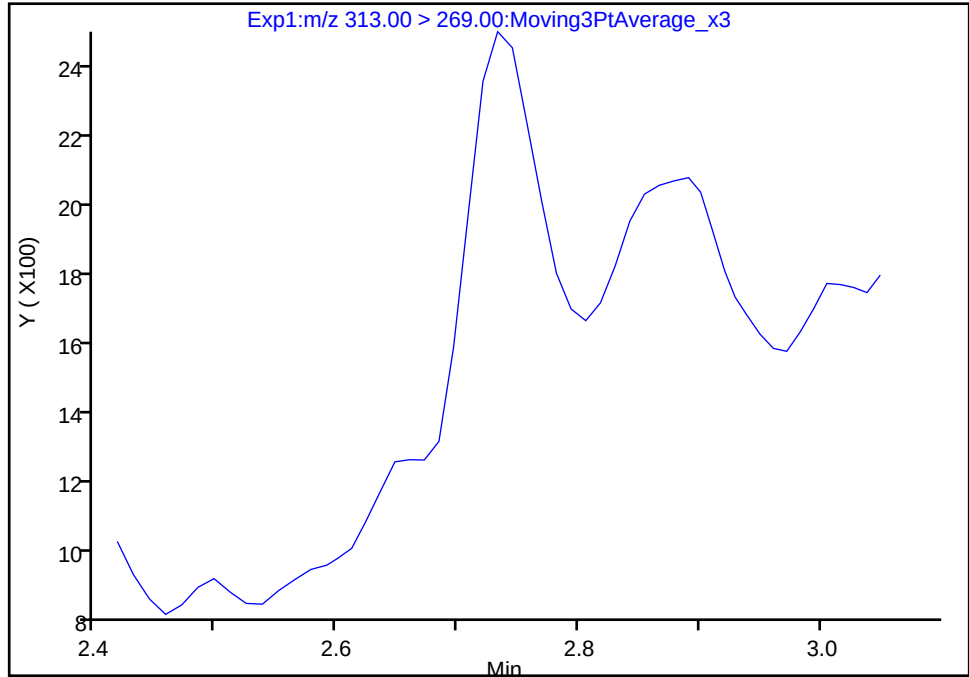
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B02.d
Injection Date: 19-Dec-2022 18:20:02 Instrument ID: LC812
Lims ID: MB 200-186815/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

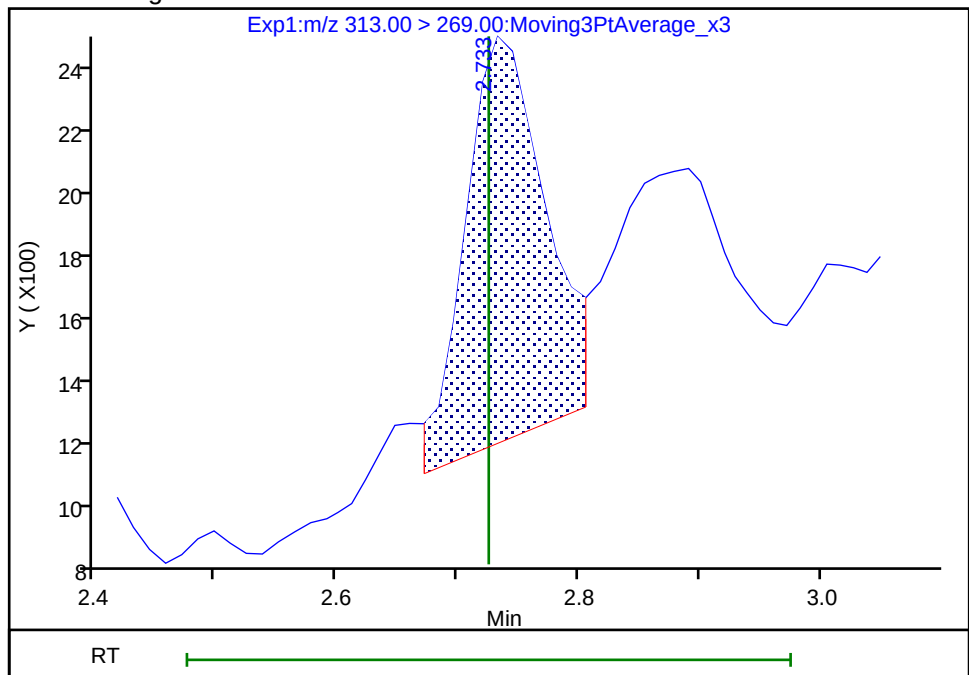
Signal: 1

Not Detected
Expected RT: 2.73

Processing Integration Results



Manual Integration Results



RT: 2.73
Area: 5619
Amount: 0.002931
Amount Units: ng/ml

Reviewer: khanphomeea, 20-Dec-2022 09:31:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

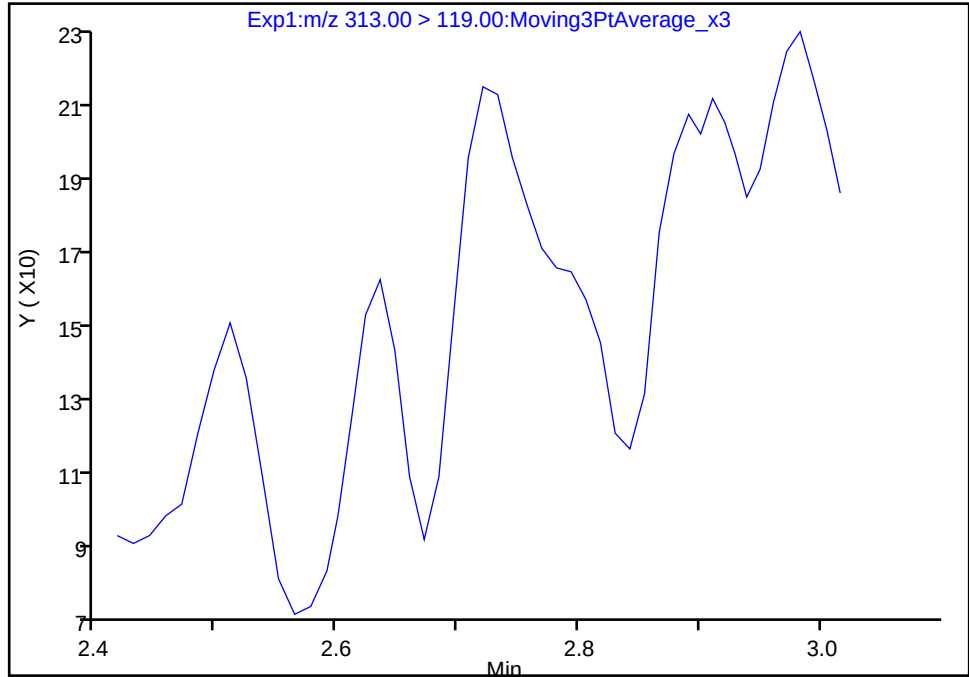
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B02.d
Injection Date: 19-Dec-2022 18:20:02 Instrument ID: LC812
Lims ID: MB 200-186815/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

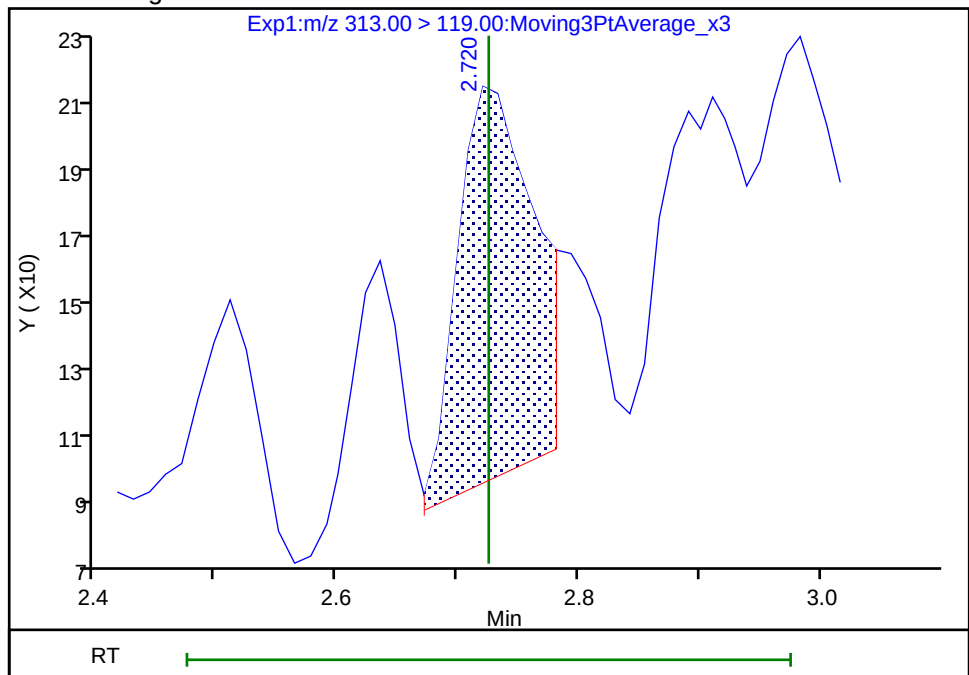
Not Detected
Expected RT: 2.73

Processing Integration Results



Manual Integration Results

RT: 2.72
Area: 472
Amount: 0.002931
Amount Units: ng/ml



Reviewer: khanphomeea, 20-Dec-2022 09:31:14

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

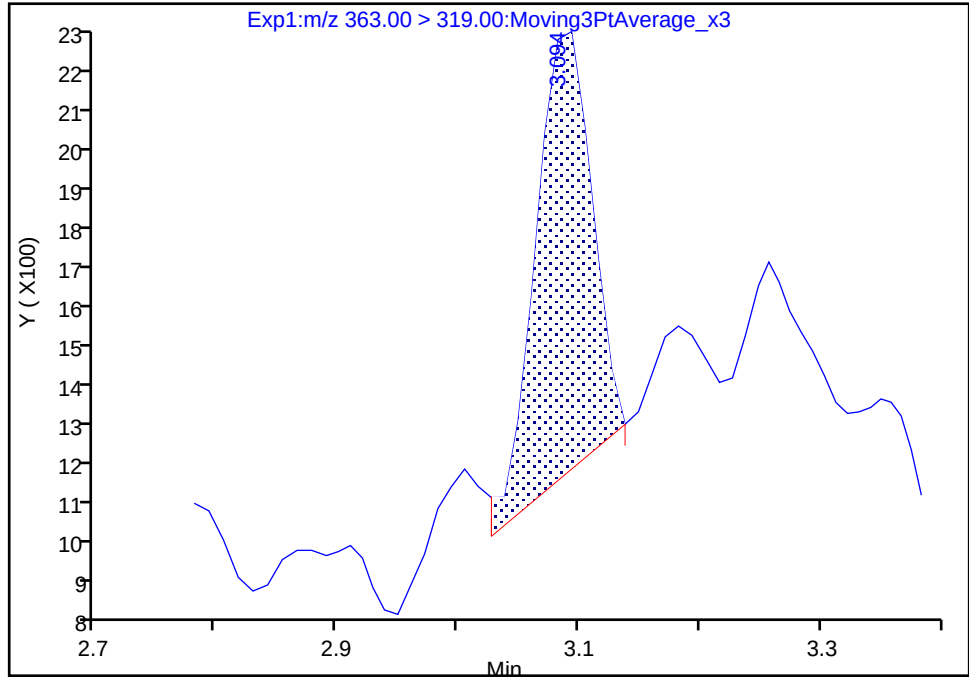
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B02.d
Injection Date: 19-Dec-2022 18:20:02 Instrument ID: LC812
Lims ID: MB 200-186815/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

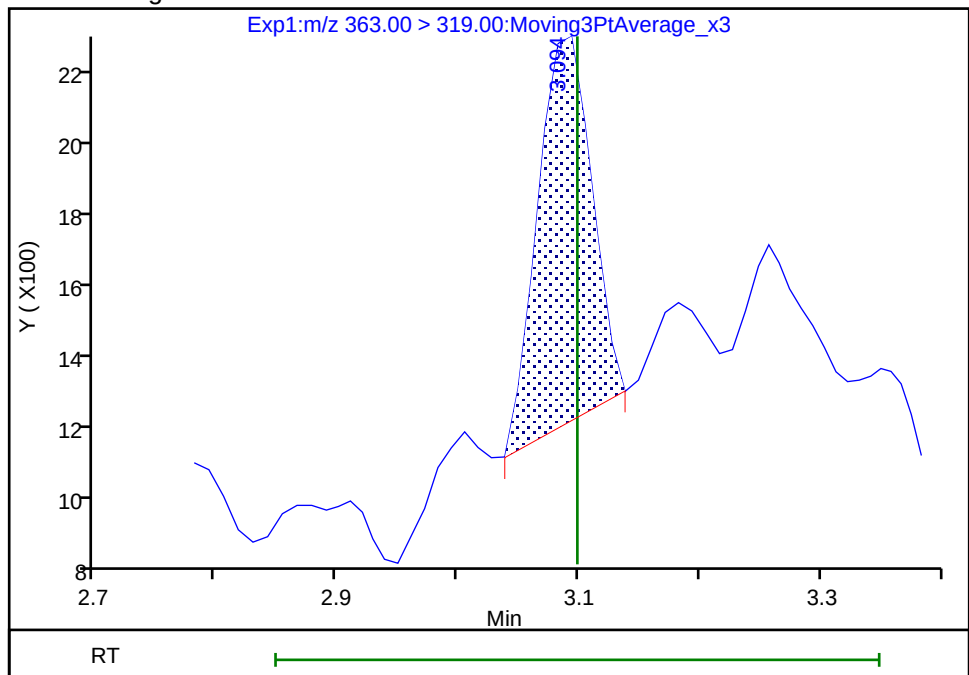
RT: 3.09
Area: 3572
Amount: 0.001864
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 3307
Amount: 0.001726
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:32:07

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

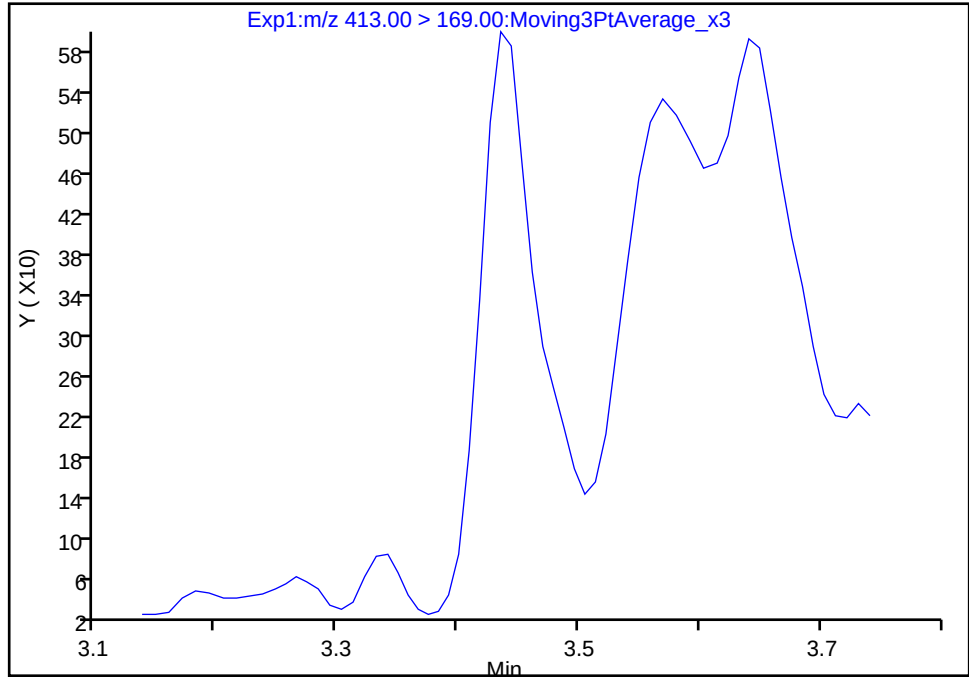
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B02.d
Injection Date: 19-Dec-2022 18:20:02 Instrument ID: LC812
Lims ID: MB 200-186815/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

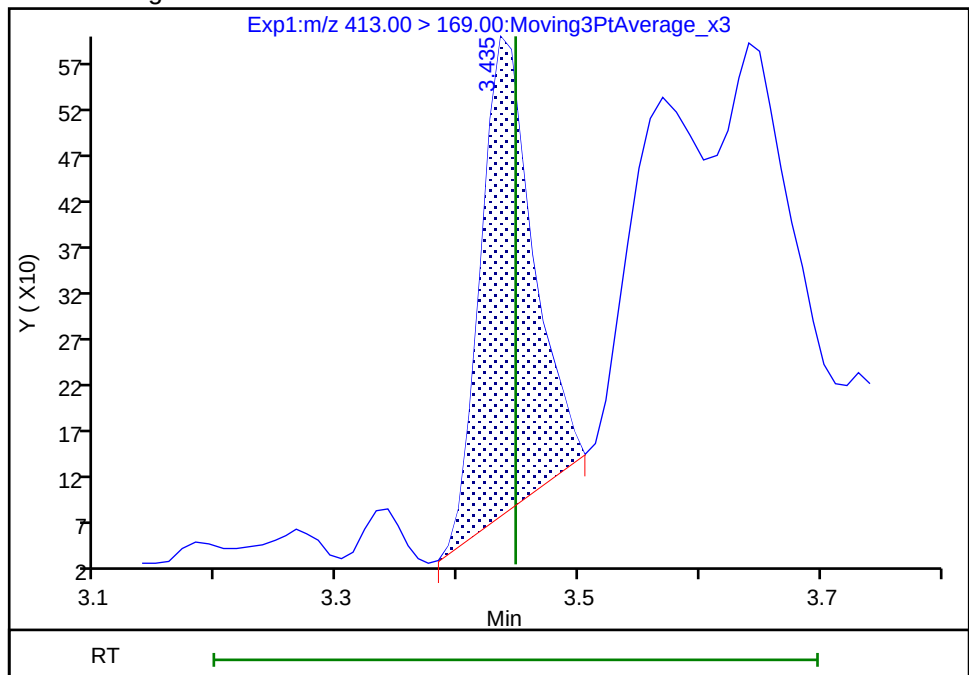
Signal: 2

Not Detected
Expected RT: 3.45

Processing Integration Results



Manual Integration Results



RT: 3.44
Area: 1552
Amount: 0.002438
Amount Units: ng/ml

Reviewer: khanphomeea, 20-Dec-2022 09:32:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

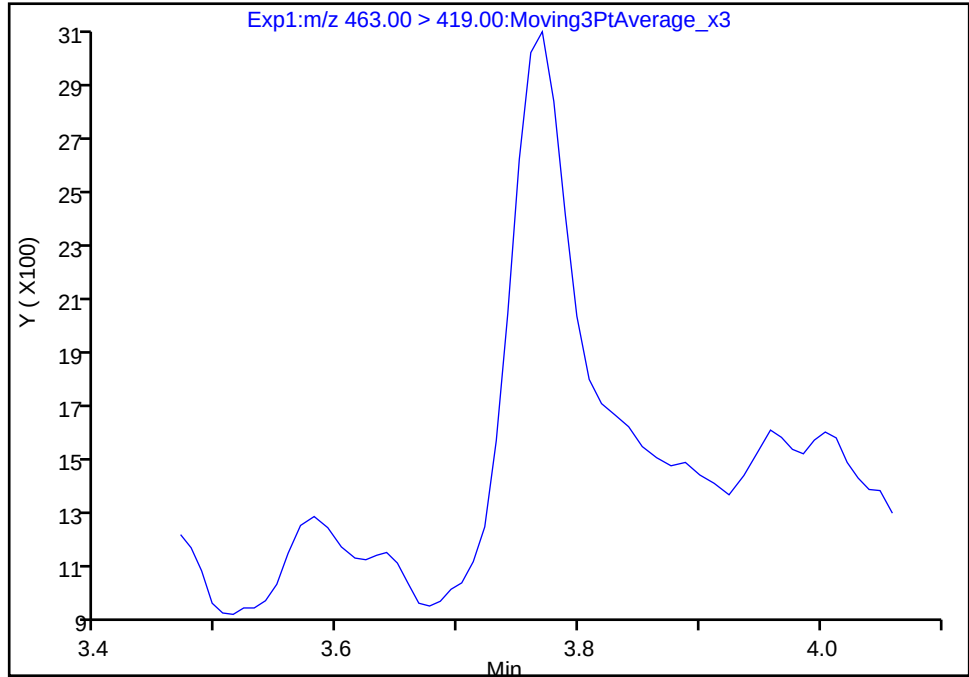
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B02.d
Injection Date: 19-Dec-2022 18:20:02 Instrument ID: LC812
Lims ID: MB 200-186815/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

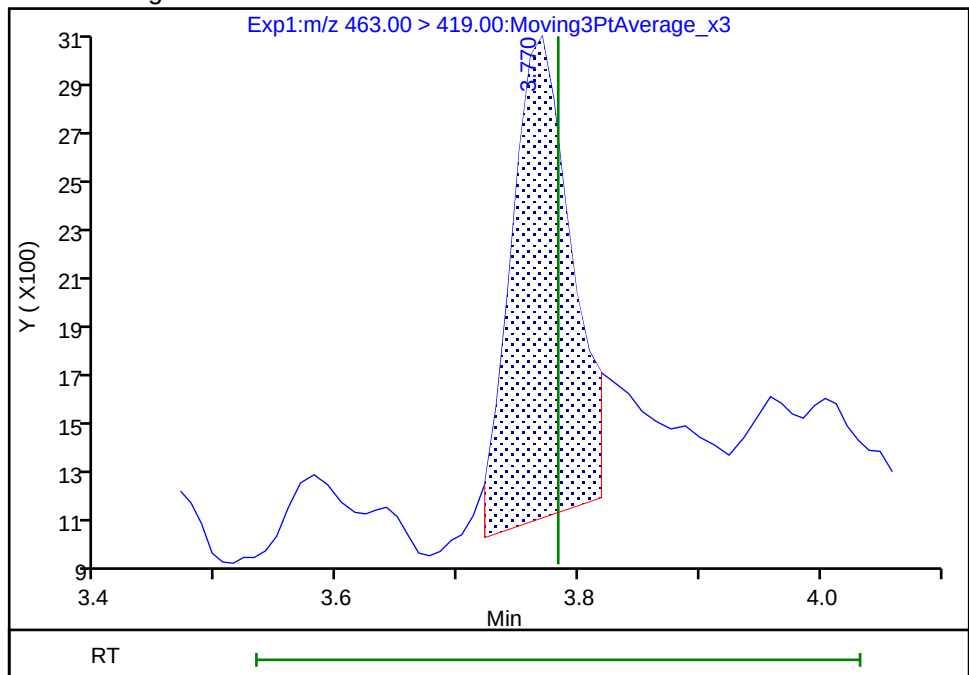
Not Detected
Expected RT: 3.78

Processing Integration Results



RT: 3.77
Area: 6577
Amount: 0.003194
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:33:25

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

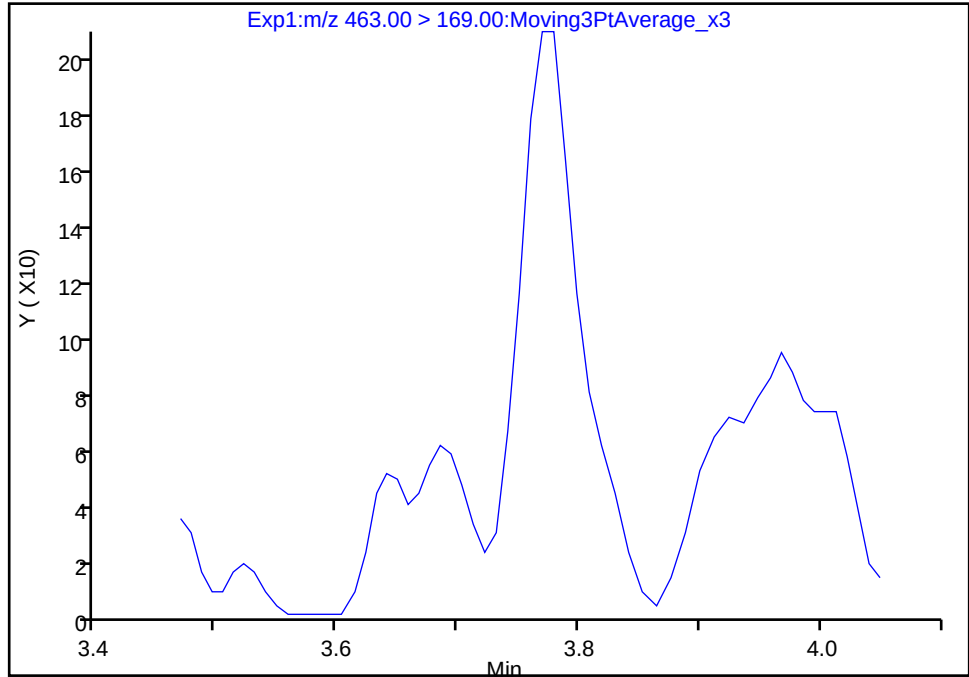
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B02.d
Injection Date: 19-Dec-2022 18:20:02 Instrument ID: LC812
Lims ID: MB 200-186815/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

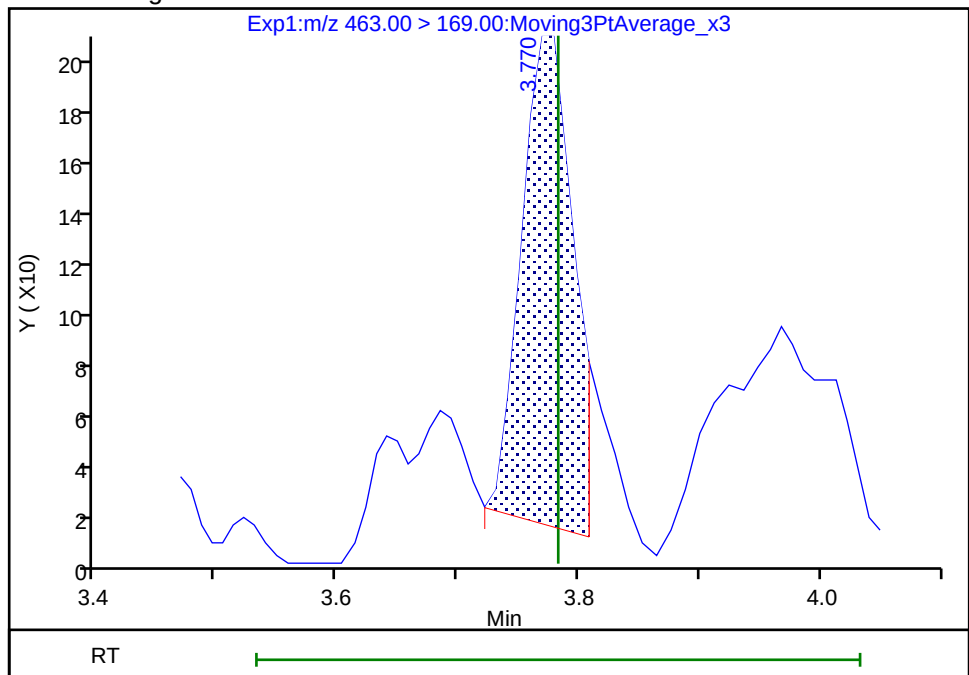
Not Detected
Expected RT: 3.78

Processing Integration Results



Manual Integration Results

RT: 3.77
Area: 564
Amount: 0.003194
Amount Units: ng/ml



Reviewer: khanphomeea, 20-Dec-2022 09:33:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Page 775 of 1022

12/27/2022
2:52 PM

Eurofins Burlington

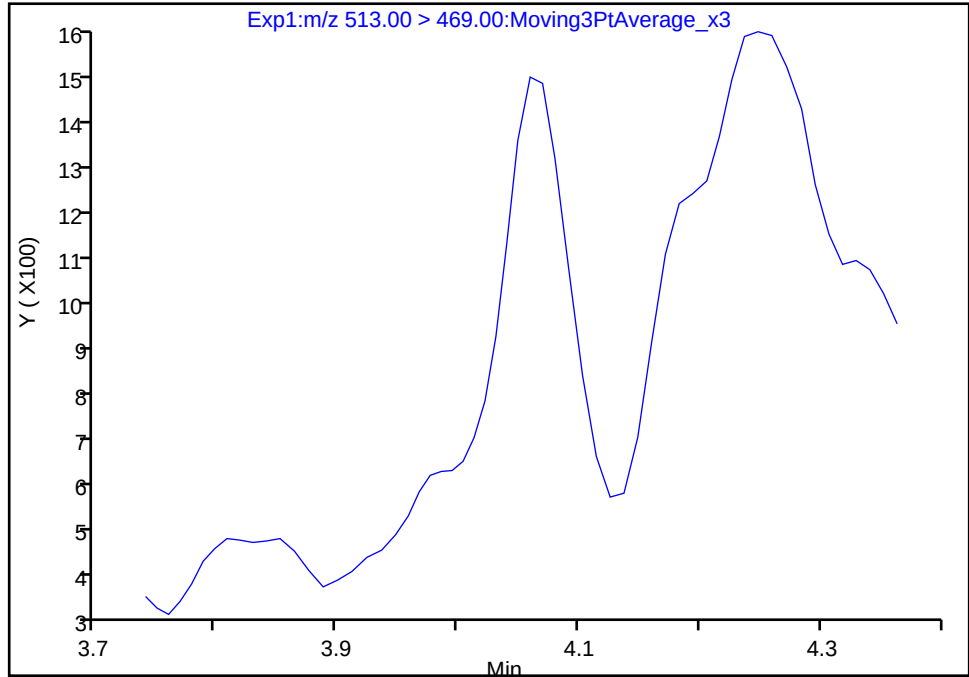
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B02.d
Injection Date: 19-Dec-2022 18:20:02 Instrument ID: LC812
Lims ID: MB 200-186815/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

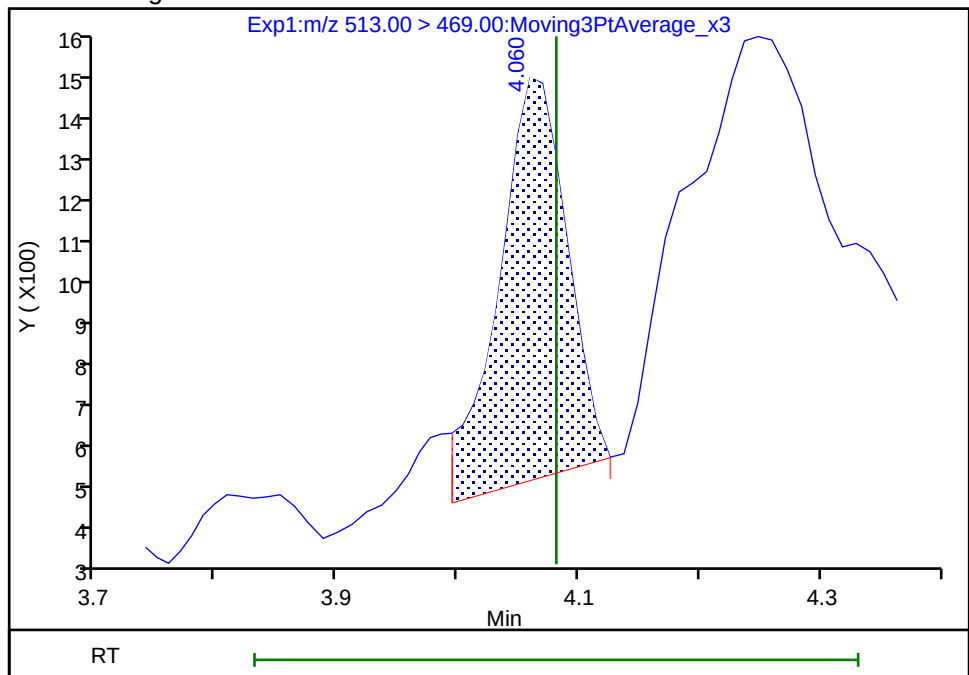
Signal: 1

Not Detected
Expected RT: 4.08

Processing Integration Results



Manual Integration Results



RT: 4.06
Area: 3611
Amount: 0.001589
Amount Units: ng/ml

Reviewer: khanphomeea, 20-Dec-2022 09:34:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

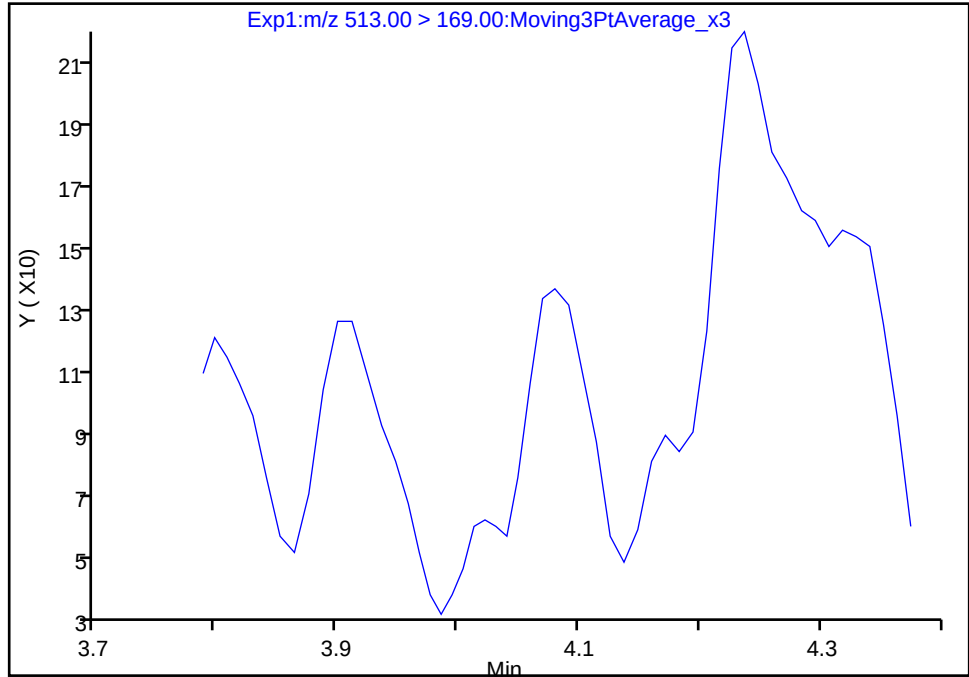
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B02.d
Injection Date: 19-Dec-2022 18:20:02 Instrument ID: LC812
Lims ID: MB 200-186815/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

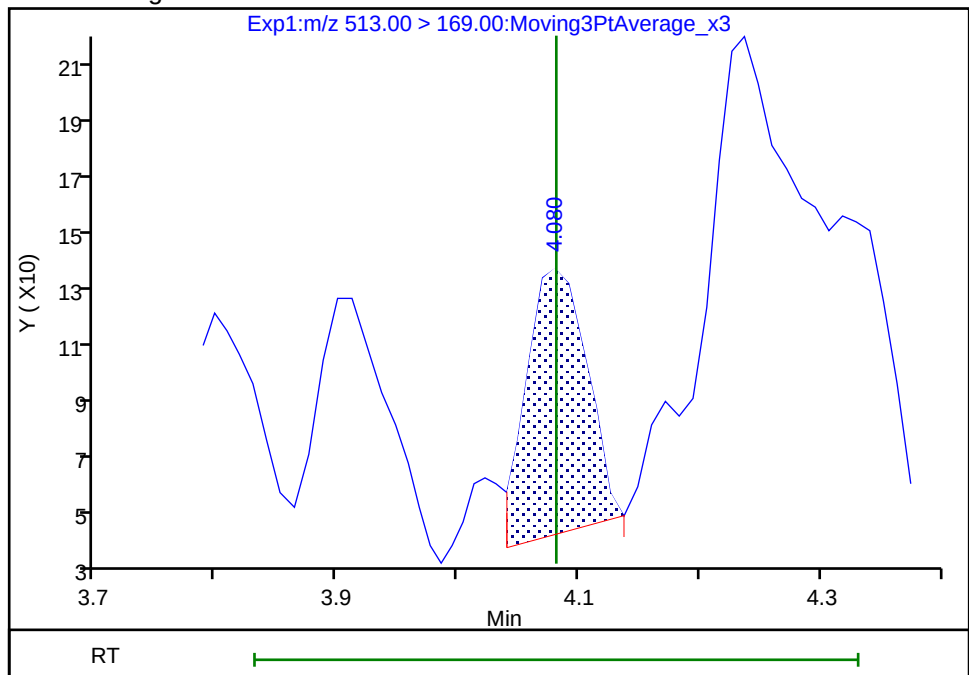
Not Detected
Expected RT: 4.08

Processing Integration Results



Manual Integration Results

RT: 4.08
Area: 312
Amount: 0.001589
Amount Units: ng/ml



Reviewer: khanphomeea, 20-Dec-2022 09:34:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

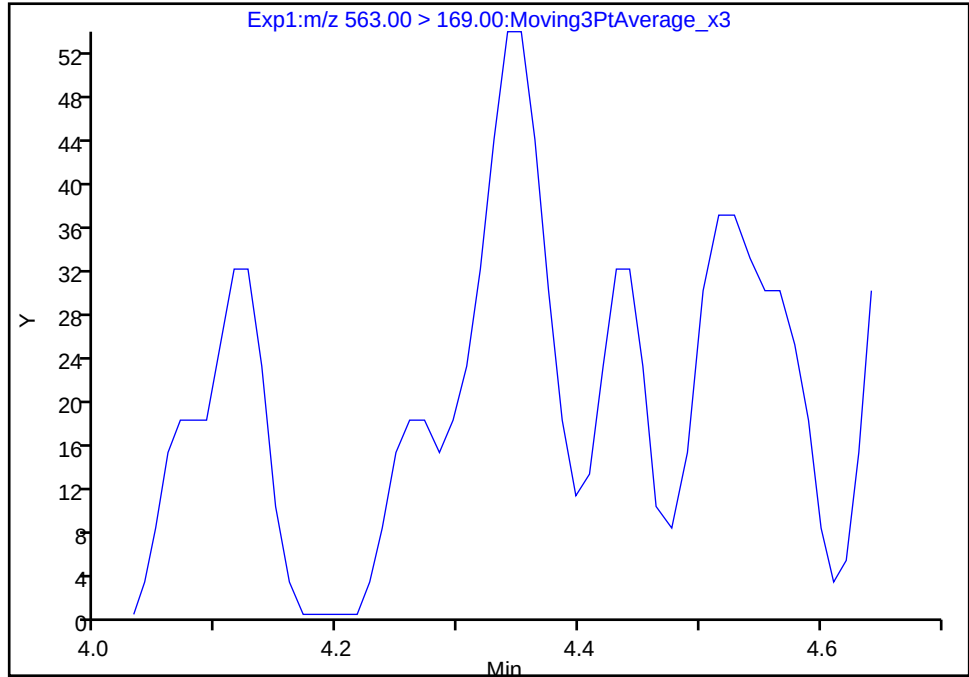
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B02.d
Injection Date: 19-Dec-2022 18:20:02 Instrument ID: LC812
Lims ID: MB 200-186815/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

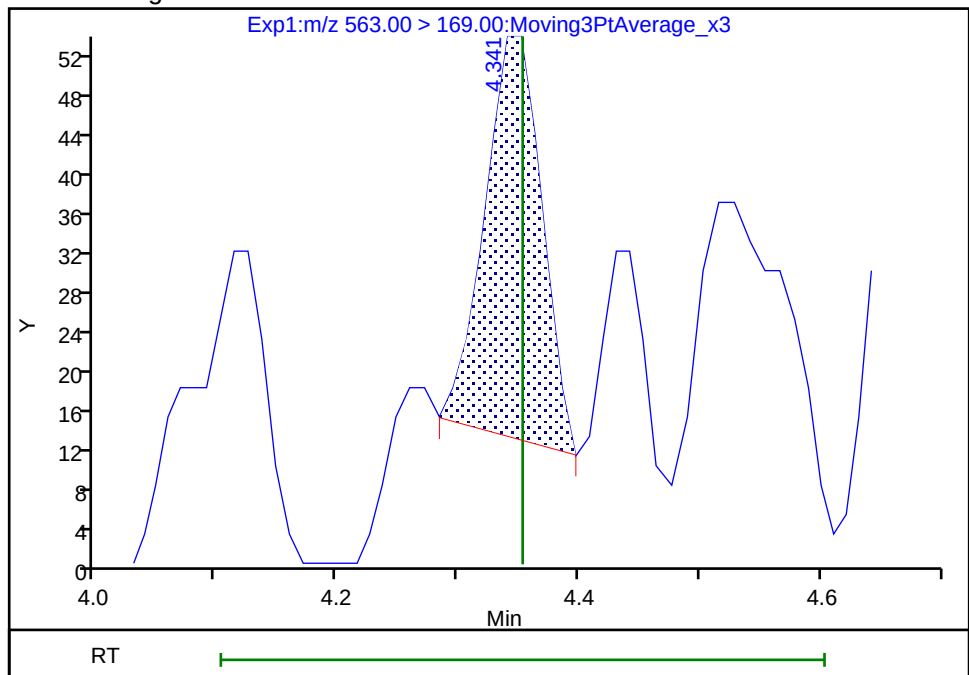
Signal: 2

Not Detected
Expected RT: 4.35

Processing Integration Results



Manual Integration Results



RT: 4.34
Area: 135
Amount: 0.002021
Amount Units: ng/ml

Reviewer: khanphomeea, 20-Dec-2022 09:35:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B02.d

Injection Date: 19-Dec-2022 18:20:02

Instrument ID: LC812

Lims ID: MB 200-186815/1-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

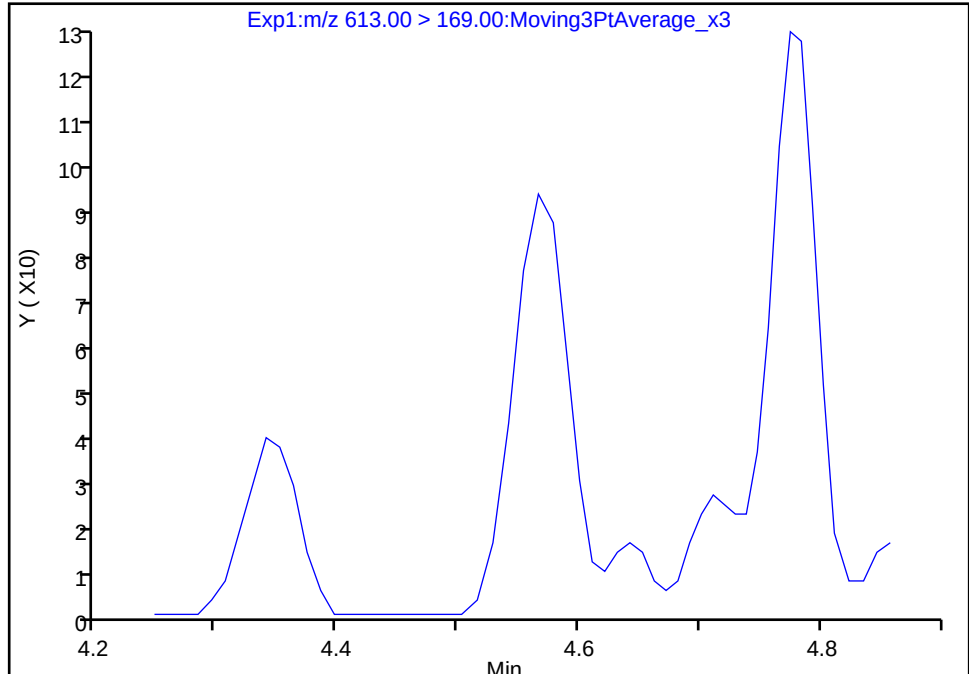
37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

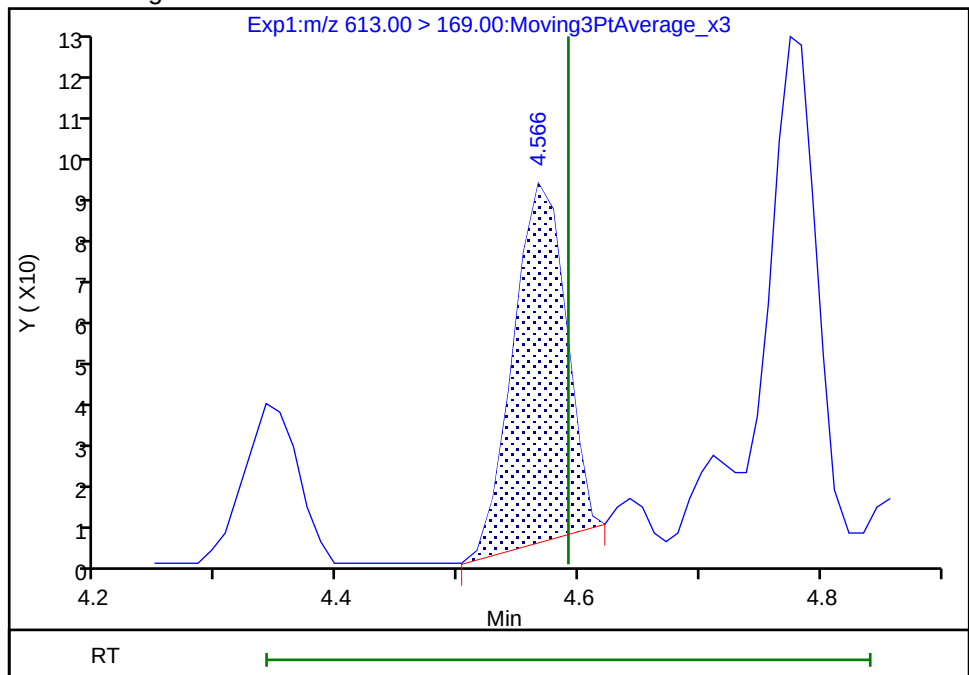
Not Detected

Expected RT: 4.59

Processing Integration Results



Manual Integration Results



RT: 4.57

Area: 251

Amount: 0.002074

Amount Units: ng/ml

Reviewer: khanphomeea, 20-Dec-2022 09:35:34

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

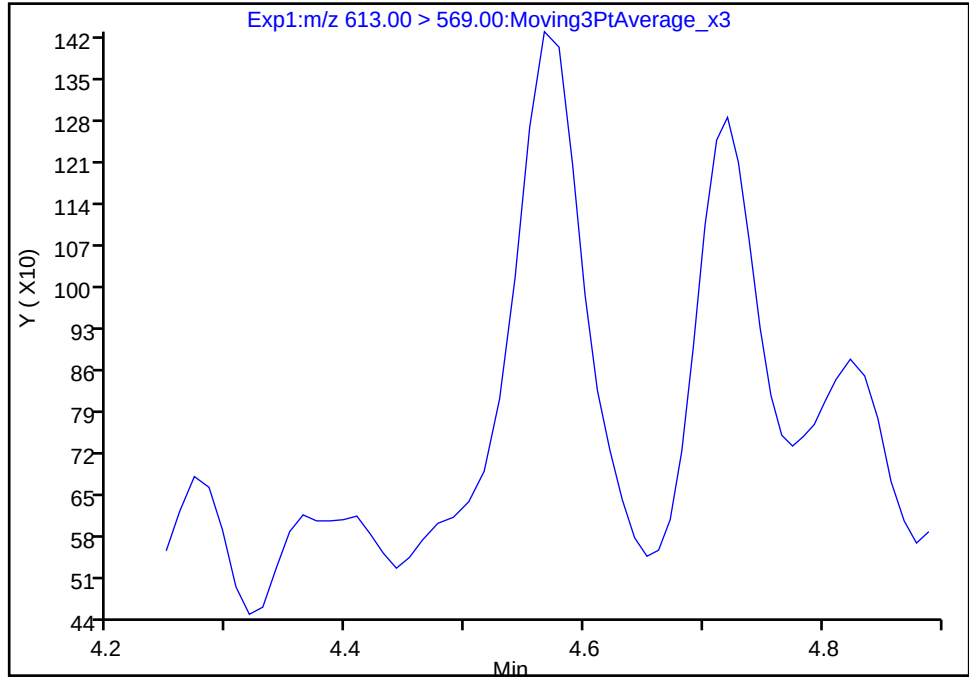
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B02.d
Injection Date: 19-Dec-2022 18:20:02 Instrument ID: LC812
Lims ID: MB 200-186815/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

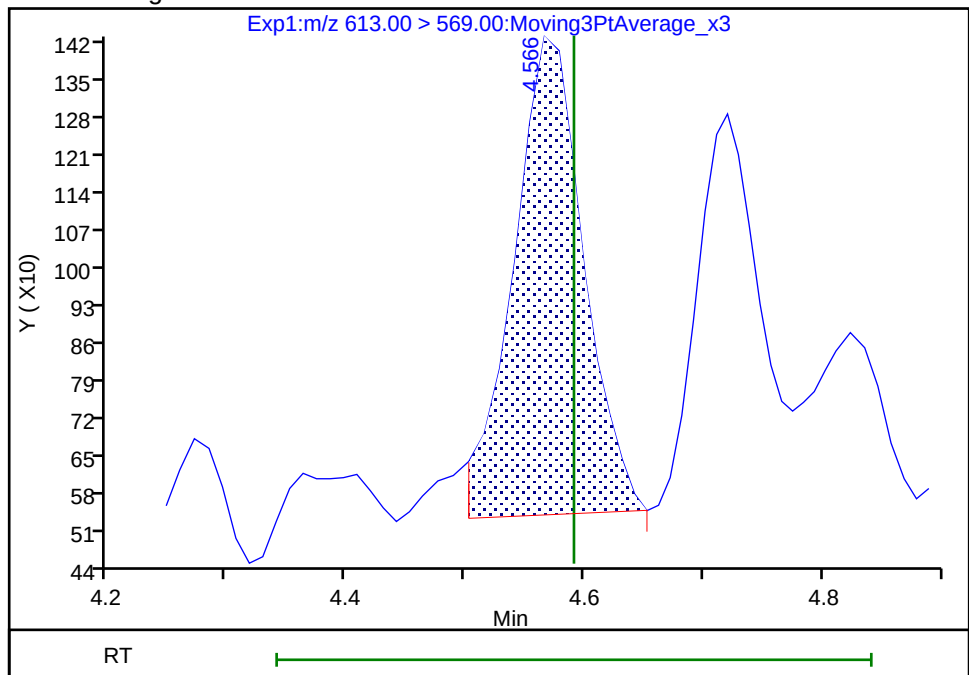
Not Detected
Expected RT: 4.59

Processing Integration Results



Manual Integration Results

RT: 4.57
Area: 3618
Amount: 0.002074
Amount Units: ng/ml



Reviewer: khanphomeea, 20-Dec-2022 09:35:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B02.d

Injection Date: 19-Dec-2022 18:20:02

Instrument ID: LC812

Lims ID: MB 200-186815/1-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

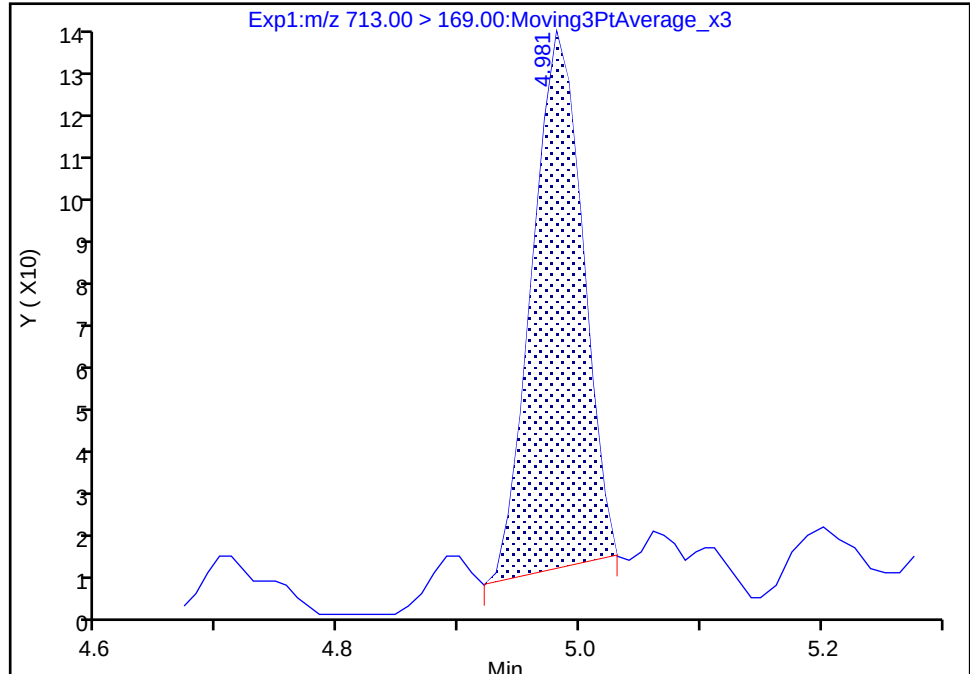
EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

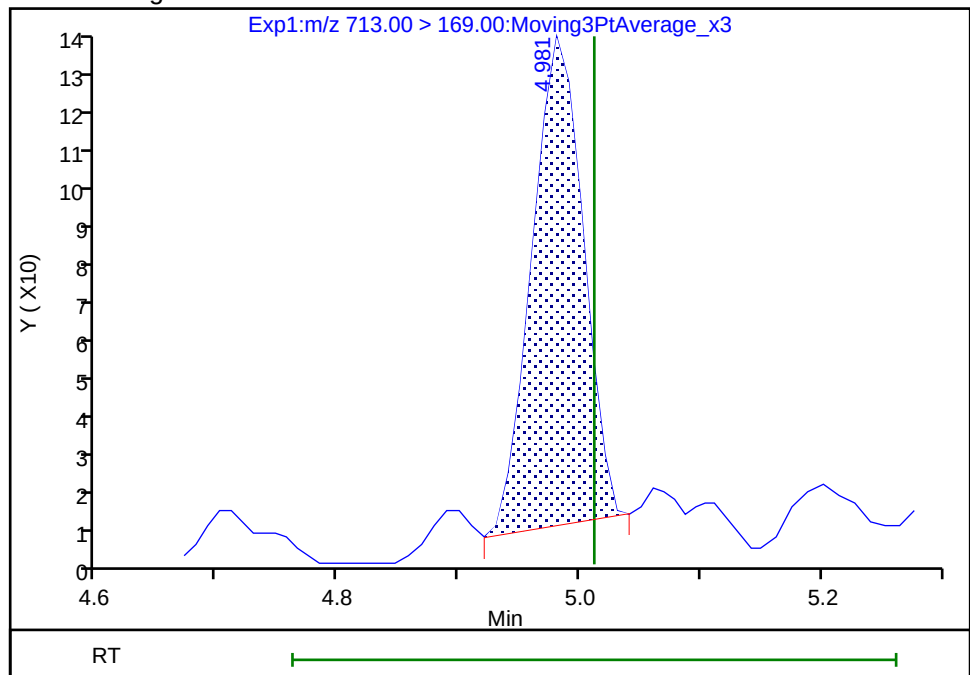
RT: 4.98
Area: 377
Amount: 0.002204
Amount Units: ng/ml

Processing Integration Results



RT: 4.98
Area: 382
Amount: 0.002233
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:36:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

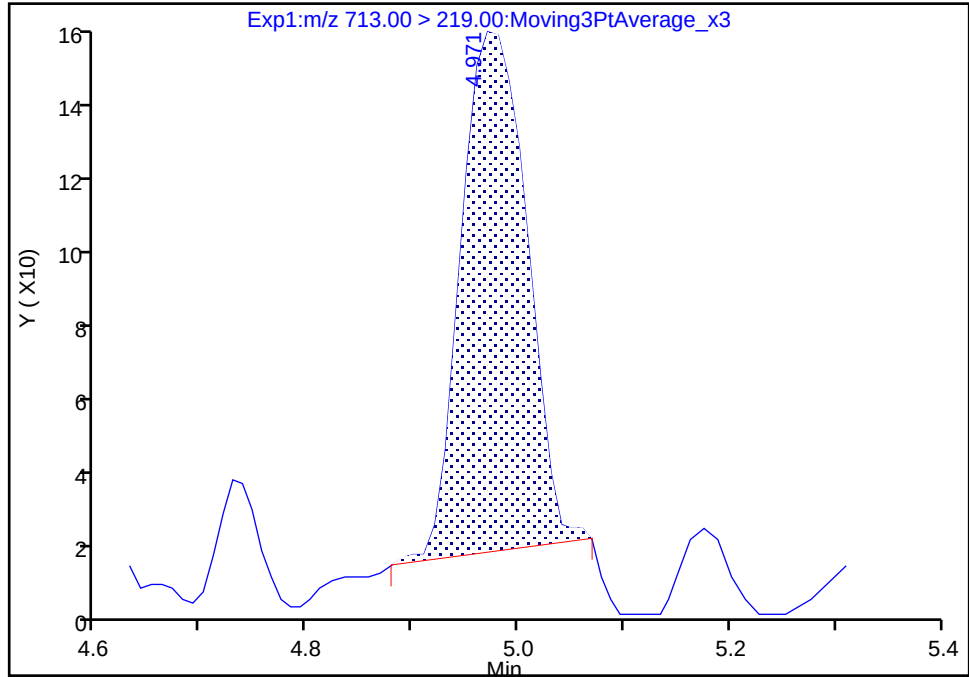
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B02.d
Injection Date: 19-Dec-2022 18:20:02 Instrument ID: LC812
Lims ID: MB 200-186815/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

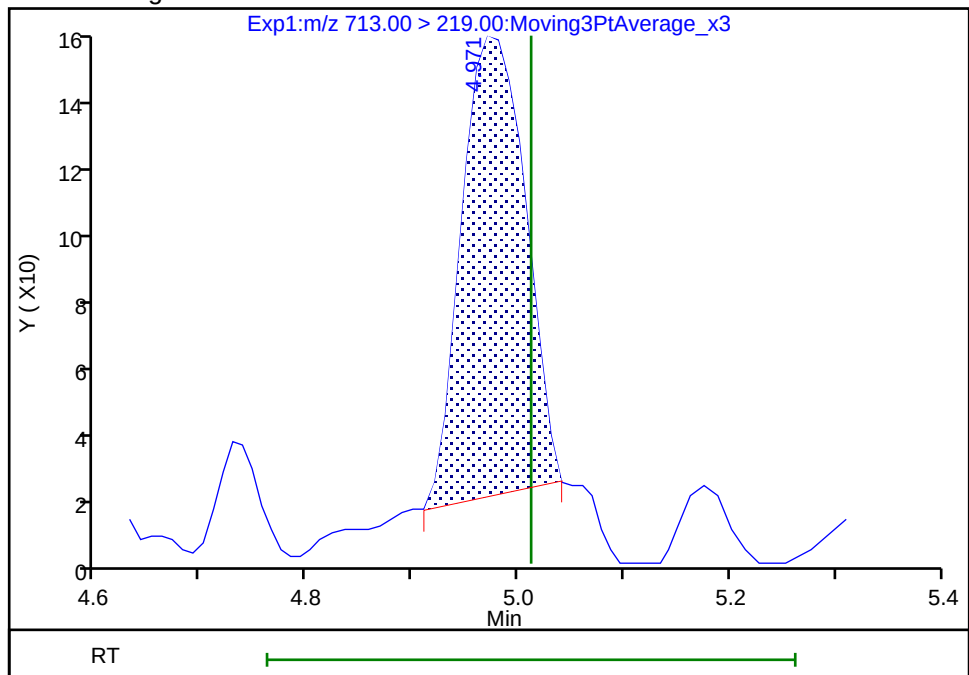
RT: 4.97
Area: 606
Amount: 0.002204
Amount Units: ng/ml

Processing Integration Results



RT: 4.97
Area: 570
Amount: 0.002233
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:36:10

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

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Eurofins Burlington

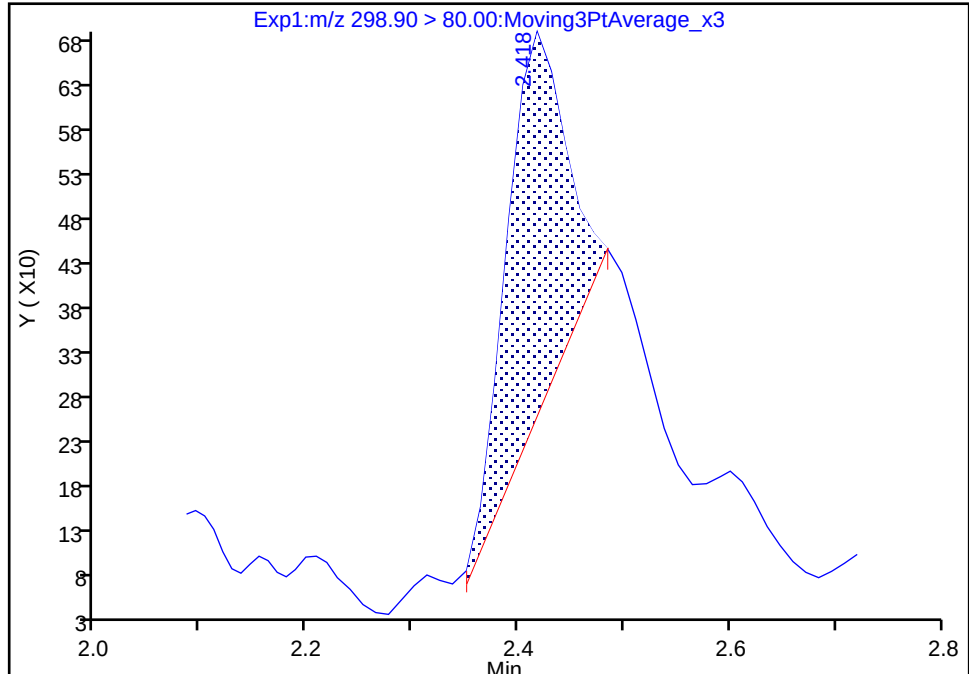
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B02.d
Injection Date: 19-Dec-2022 18:20:02 Instrument ID: LC812
Lims ID: MB 200-186815/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

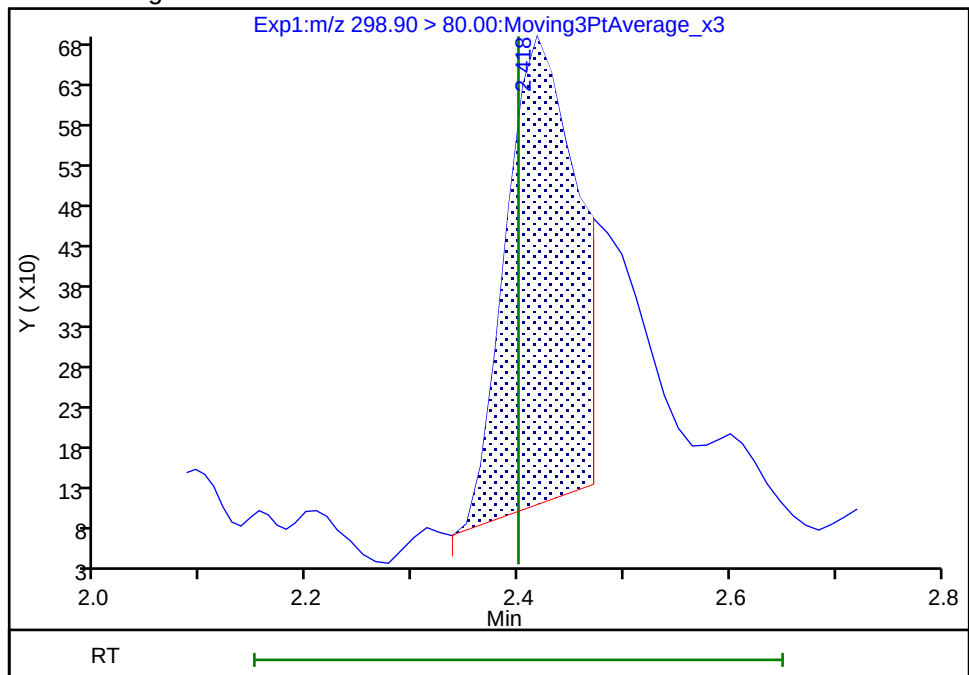
RT: 2.42
Area: 1679
Amount: 0.000867
Amount Units: ng/ml

Processing Integration Results



RT: 2.42
Area: 2620
Amount: 0.001353
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:30:38

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

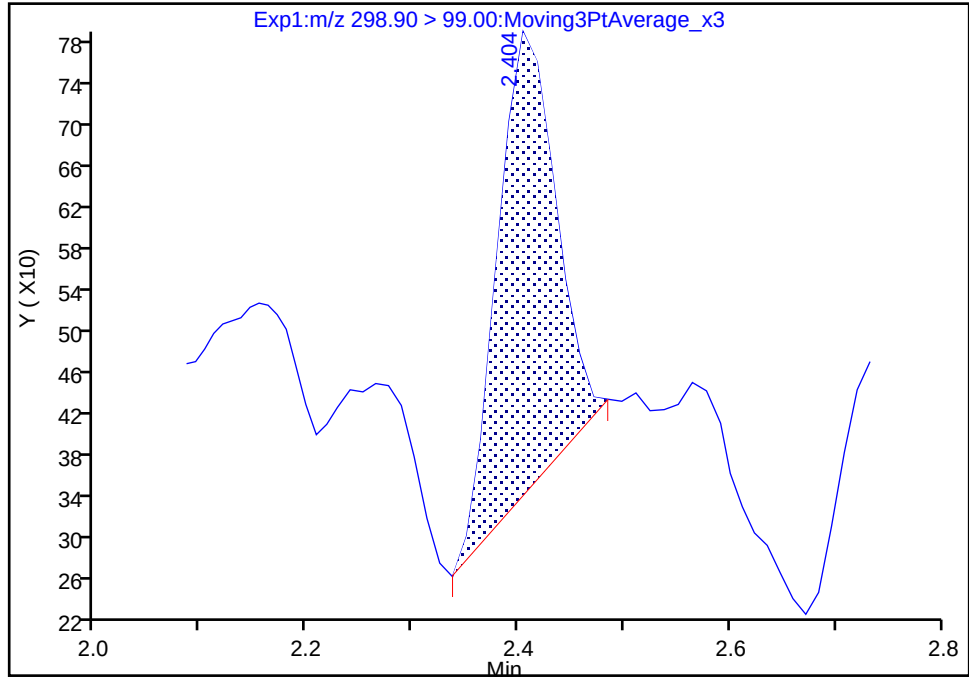
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B02.d
Injection Date: 19-Dec-2022 18:20:02 Instrument ID: LC812
Lims ID: MB 200-186815/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

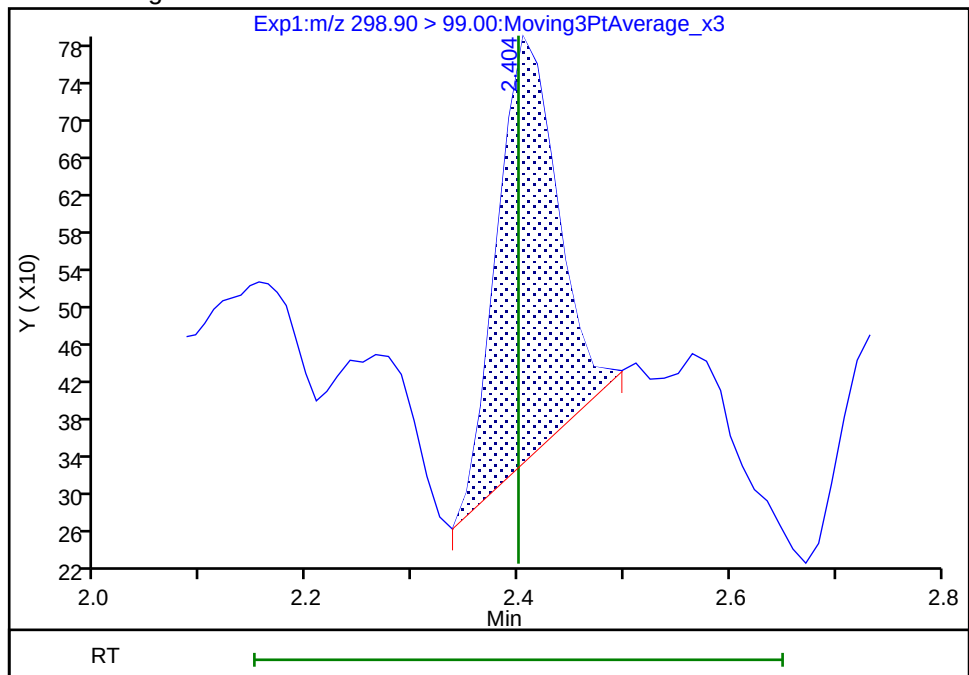
RT: 2.40
Area: 1701
Amount: 0.000867
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 1778
Amount: 0.001353
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:30:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

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Eurofins Burlington

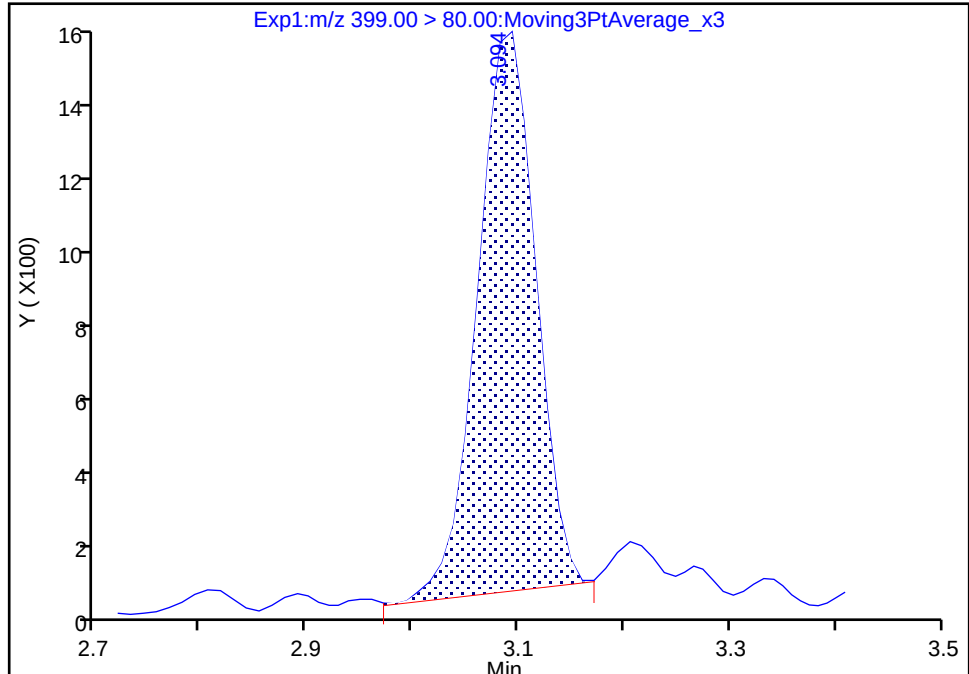
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B02.d
Injection Date: 19-Dec-2022 18:20:02 Instrument ID: LC812
Lims ID: MB 200-186815/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

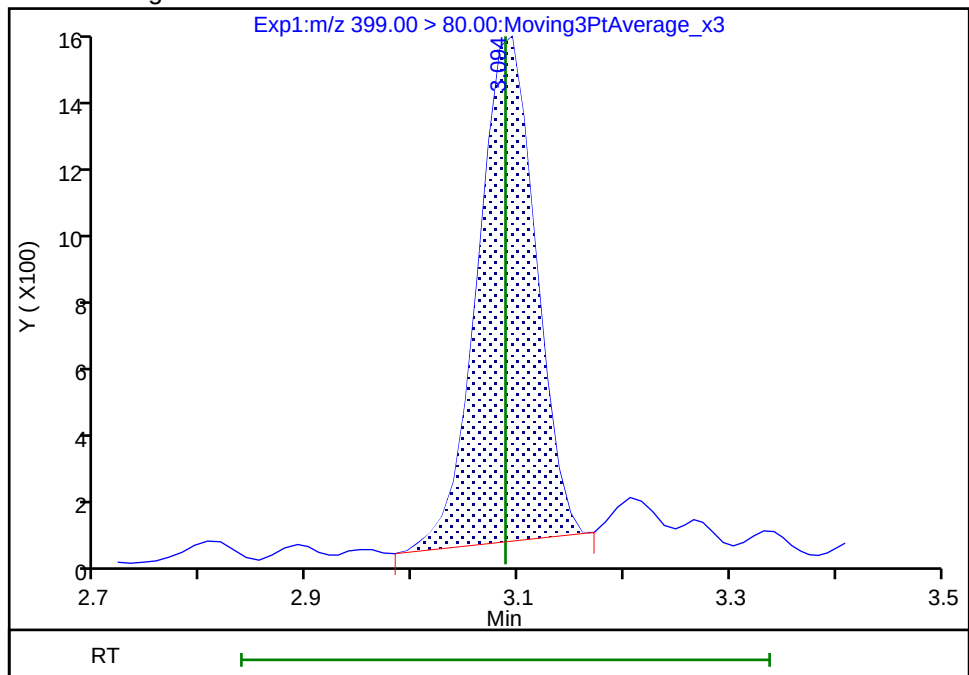
RT: 3.09
Area: 5659
Amount: 0.003736
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 5655
Amount: 0.003733
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:31:49

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

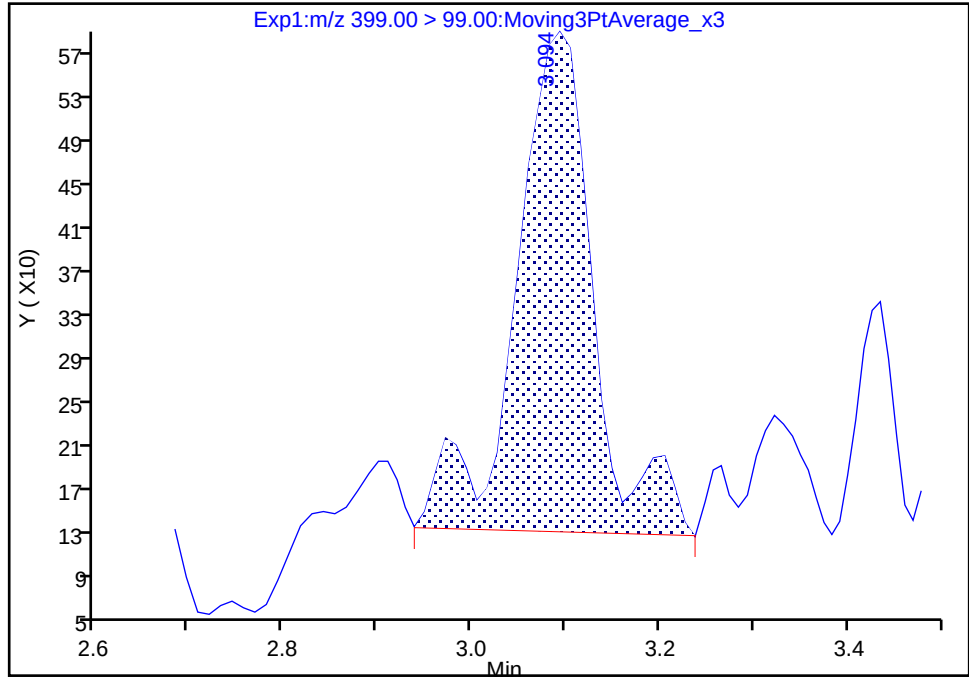
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B02.d
Injection Date: 19-Dec-2022 18:20:02 Instrument ID: LC812
Lims ID: MB 200-186815/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

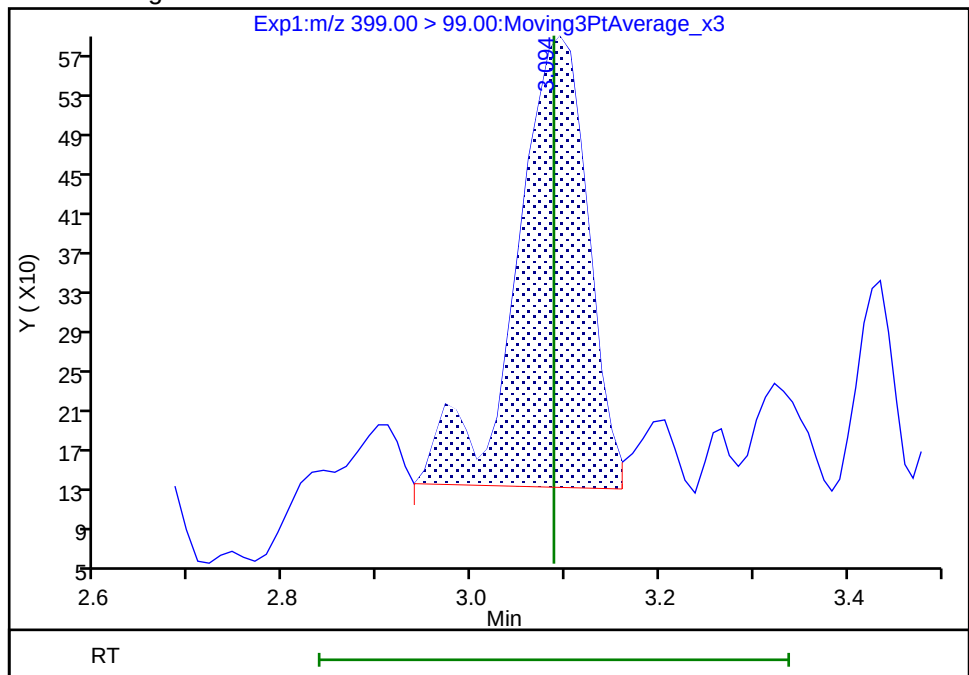
RT: 3.09
Area: 2641
Amount: 0.003736
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 2431
Amount: 0.003733
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:31:53

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

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2:52 PM

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B02.d

Injection Date: 19-Dec-2022 18:20:02

Instrument ID: LC812

Lims ID: MB 200-186815/1-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

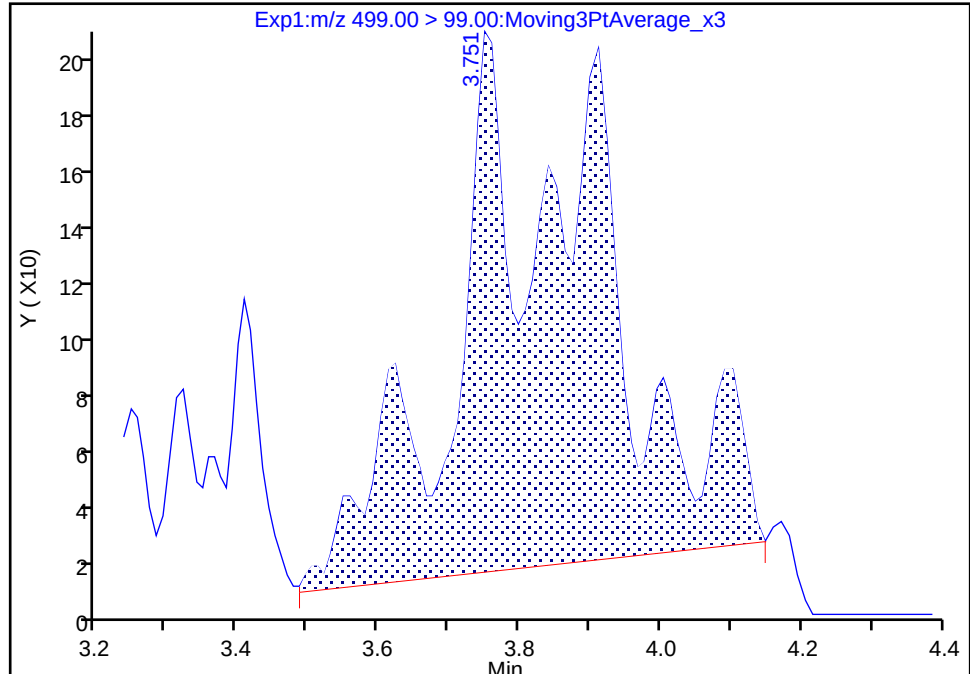
EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

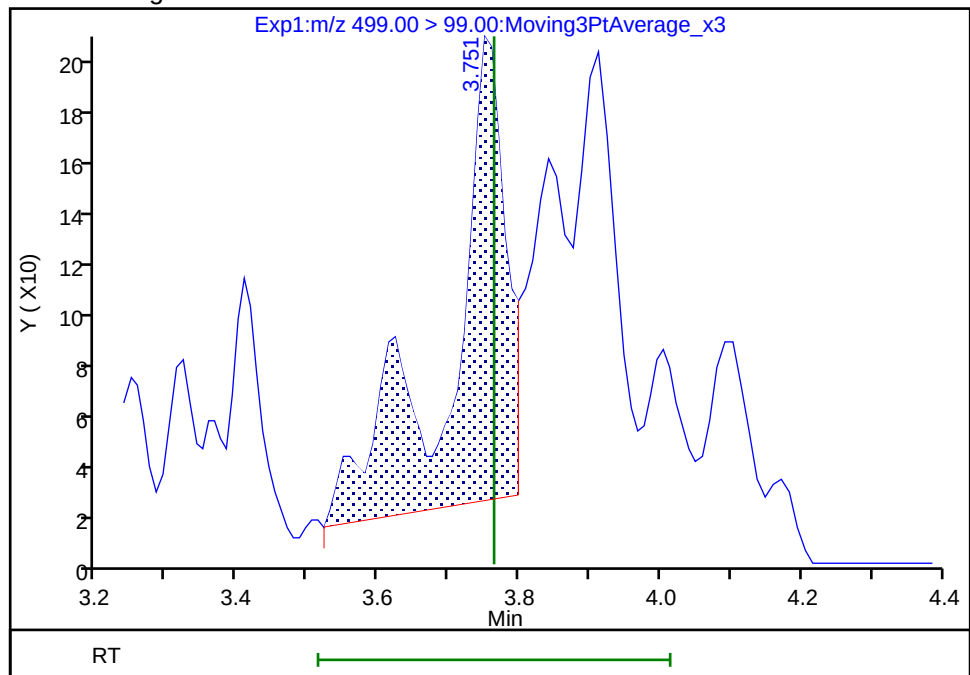
RT: 3.75
Area: 2733
Amount: 0.012378
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 998
Amount: 0.003346
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:33:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

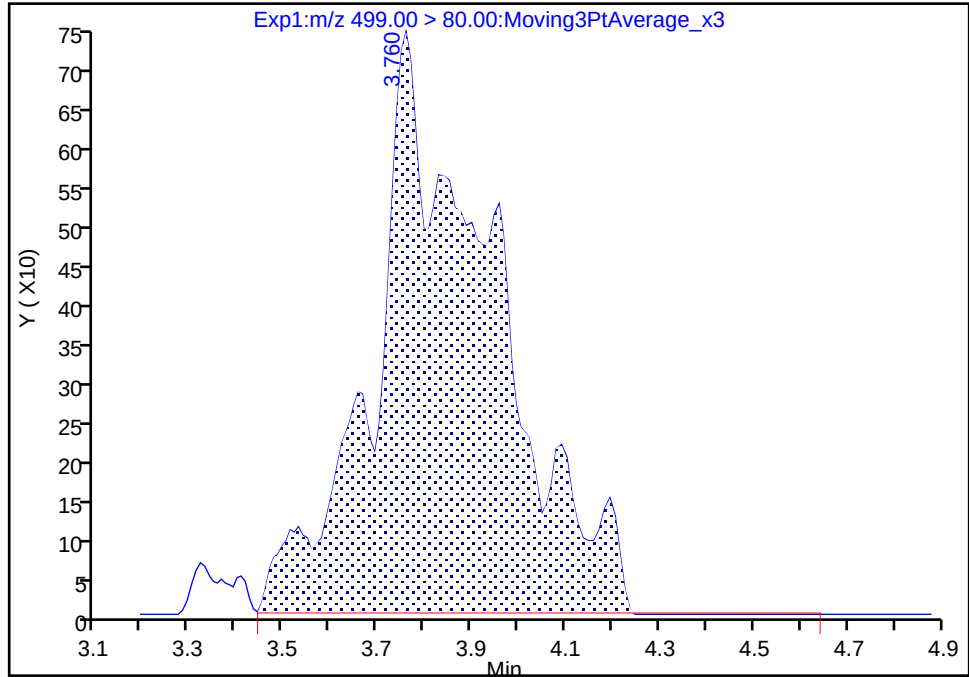
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B02.d
Injection Date: 19-Dec-2022 18:20:02 Instrument ID: LC812
Lims ID: MB 200-186815/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

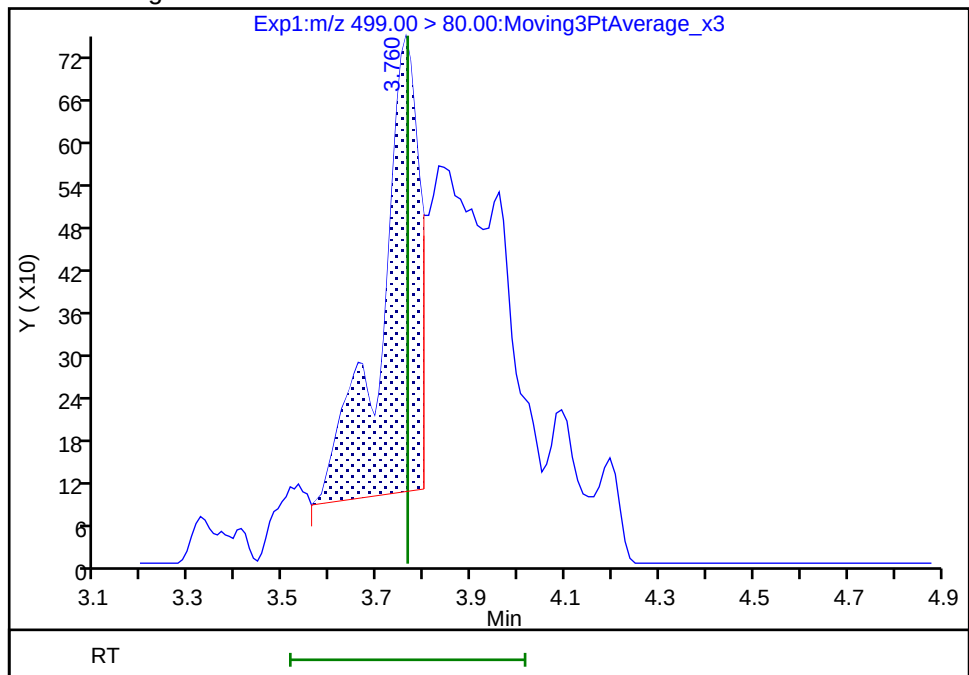
RT: 3.76
Area: 13298
Amount: 0.012378
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 3595
Amount: 0.003346
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:33:07

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

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Eurofins Burlington

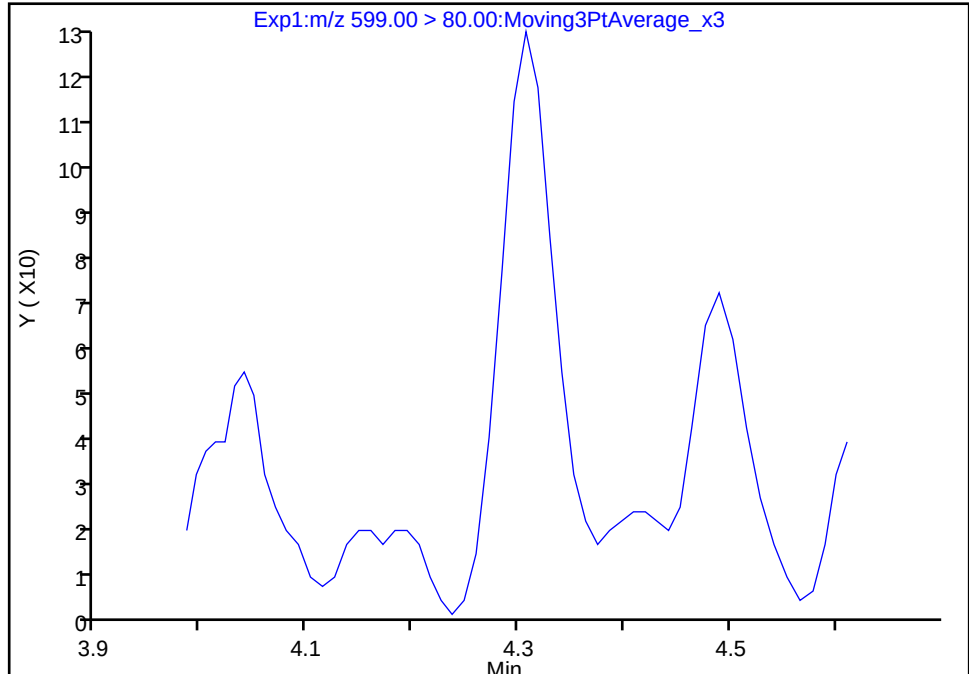
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B02.d
Injection Date: 19-Dec-2022 18:20:02 Instrument ID: LC812
Lims ID: MB 200-186815/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

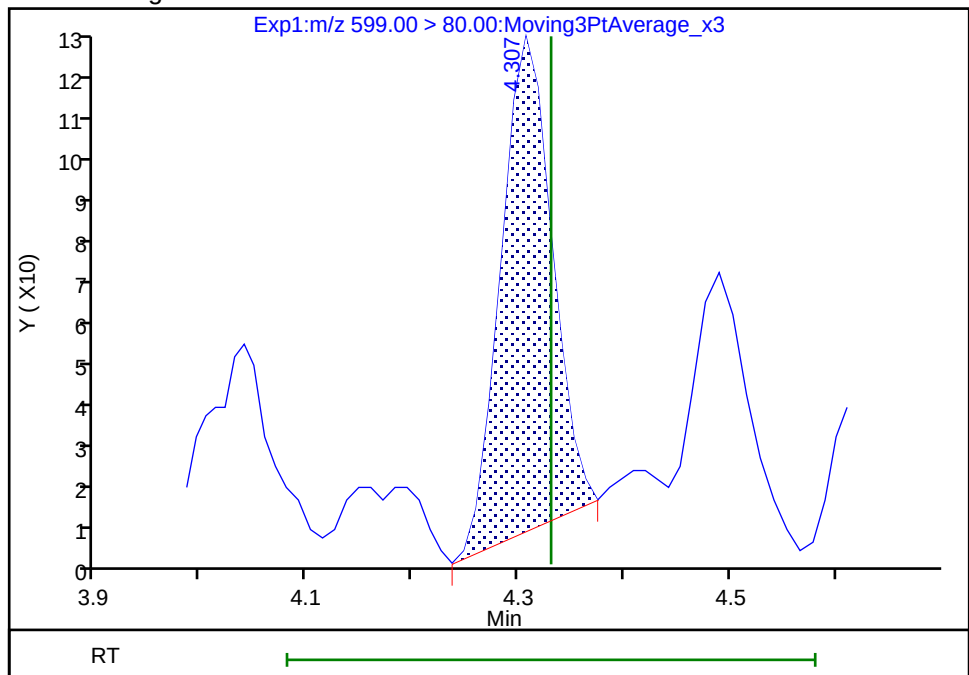
Not Detected
Expected RT: 4.33

Processing Integration Results



Manual Integration Results

RT: 4.31
Area: 394
Amount: 0.000615
Amount Units: ng/ml



Reviewer: khanphomeea, 20-Dec-2022 09:34:45

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

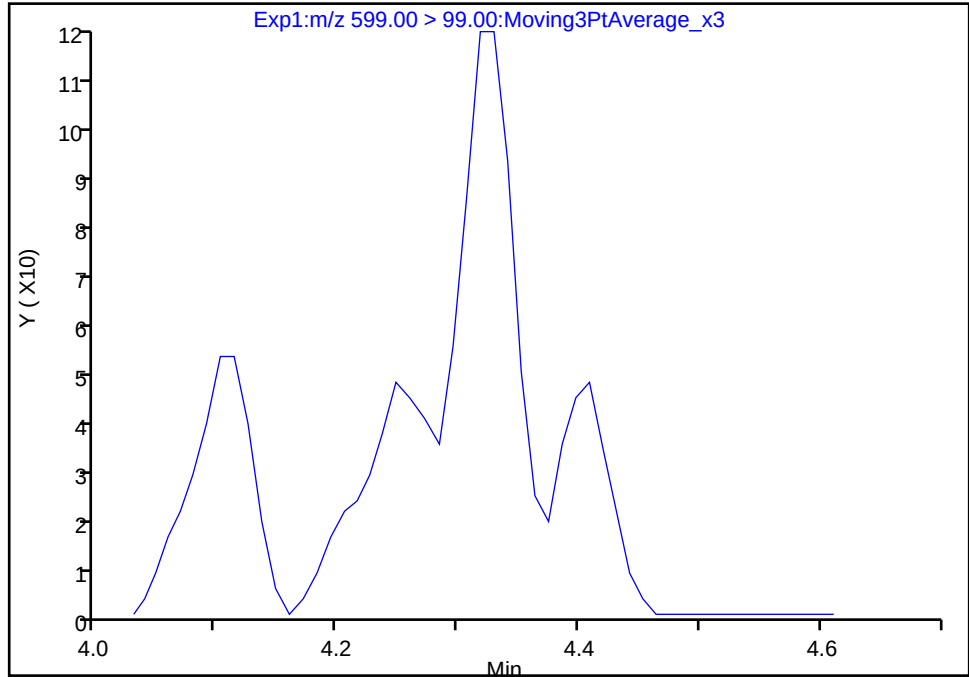
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B02.d
Injection Date: 19-Dec-2022 18:20:02 Instrument ID: LC812
Lims ID: MB 200-186815/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

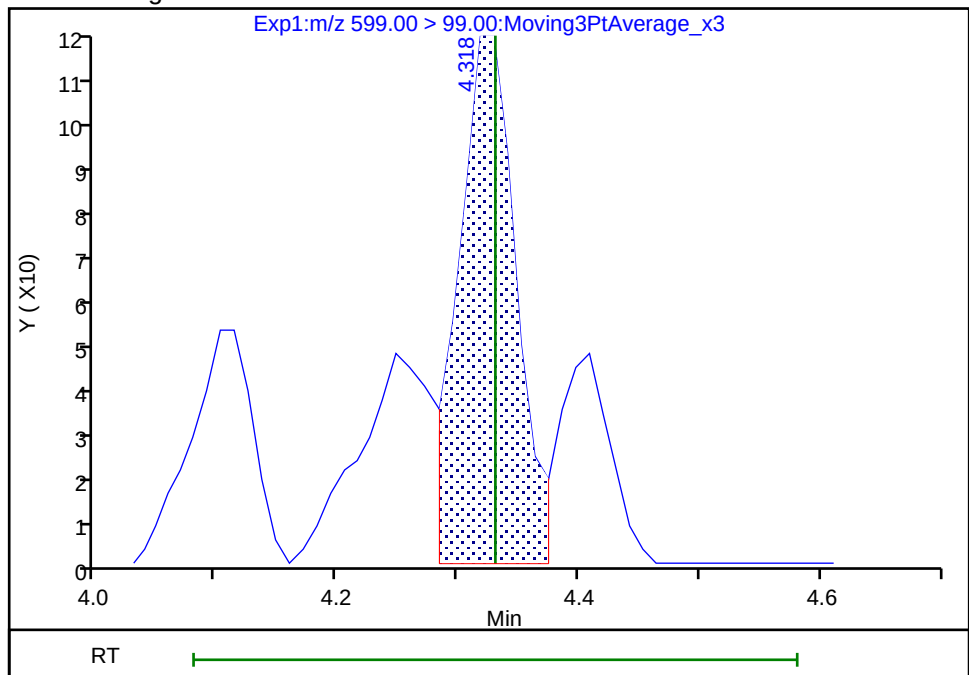
Not Detected
Expected RT: 4.33

Processing Integration Results



Manual Integration Results

RT: 4.32
Area: 368
Amount: 0.000615
Amount Units: ng/ml



Reviewer: khanphomeea, 20-Dec-2022 09:34:49

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

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2:52 PM

Eurofins Burlington

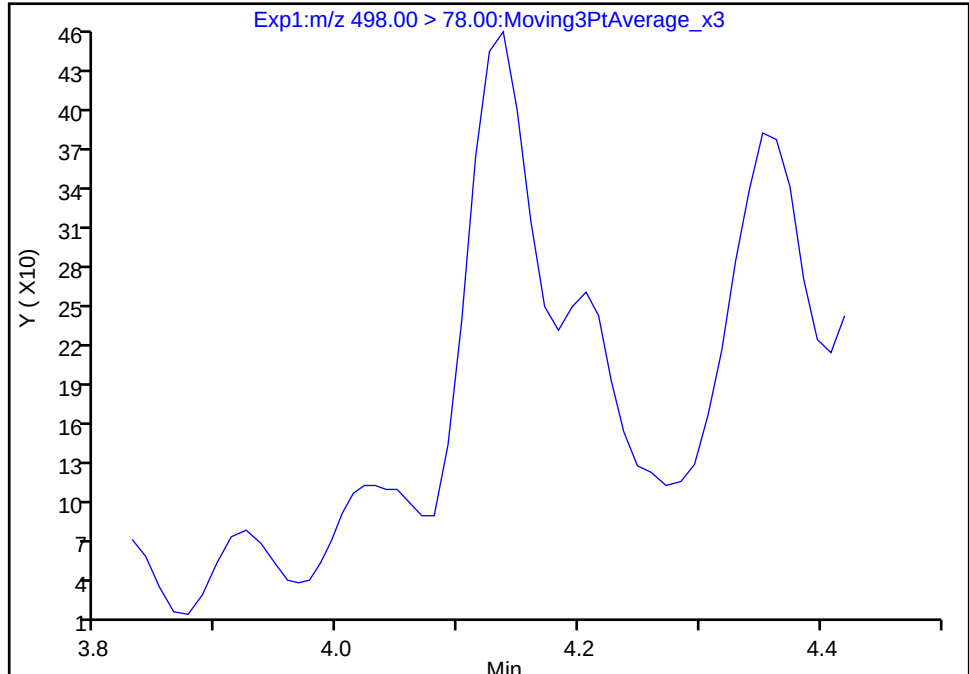
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B02.d
Injection Date: 19-Dec-2022 18:20:02 Instrument ID: LC812
Lims ID: MB 200-186815/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

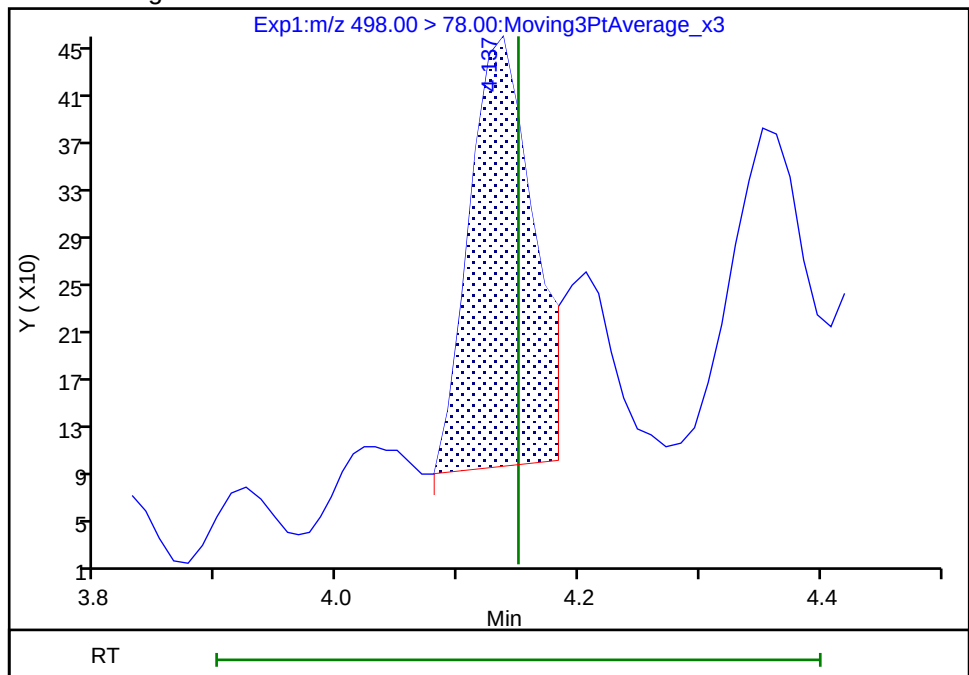
Signal: 1

Not Detected
Expected RT: 4.15

Processing Integration Results



Manual Integration Results



RT: 4.14
Area: 1307
Amount: 0.000810
Amount Units: ng/ml

Reviewer: khanphomeea, 20-Dec-2022 09:34:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

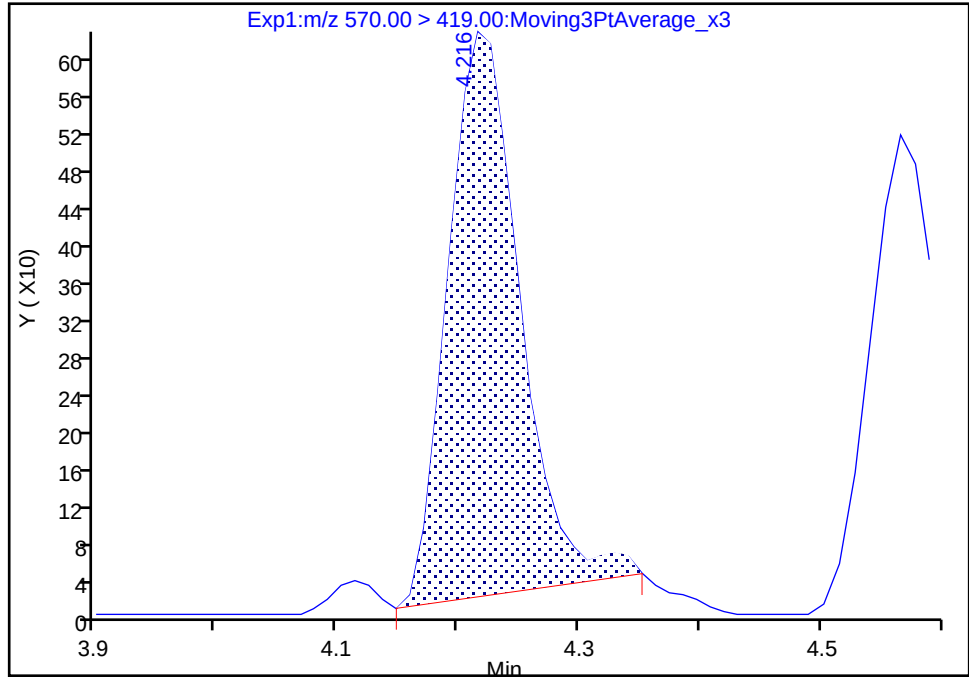
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B02.d
Injection Date: 19-Dec-2022 18:20:02 Instrument ID: LC812
Lims ID: MB 200-186815/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

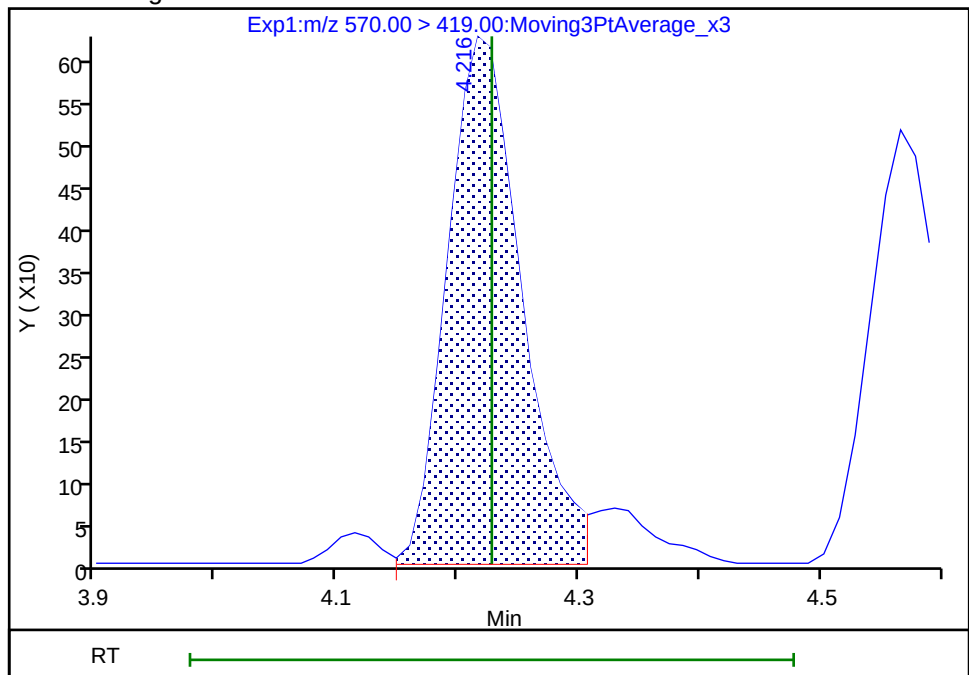
RT: 4.22
Area: 2501
Amount: -0.004474
Amount Units: ng/ml

Processing Integration Results



RT: 4.22
Area: 2644
Amount: -0.004065
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:34:30

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

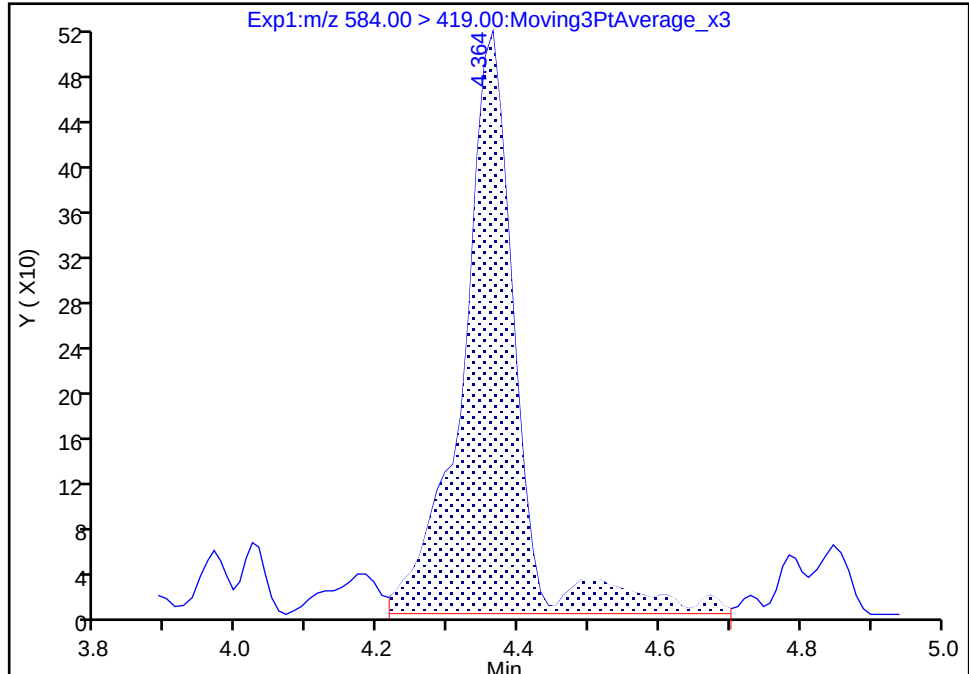
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B02.d
Injection Date: 19-Dec-2022 18:20:02 Instrument ID: LC812
Lims ID: MB 200-186815/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

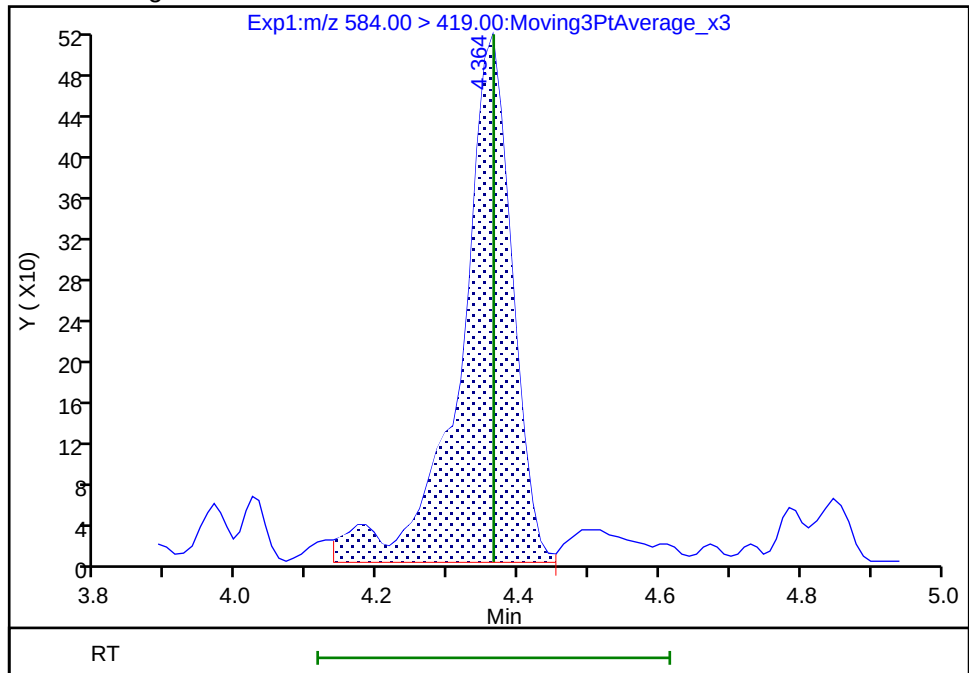
RT: 4.36
Area: 2779
Amount: 0.007878
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 2639
Amount: 0.007481
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:35:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B02.d

Injection Date: 19-Dec-2022 18:20:02

Instrument ID: LC812

Lims ID: MB 200-186815/1-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

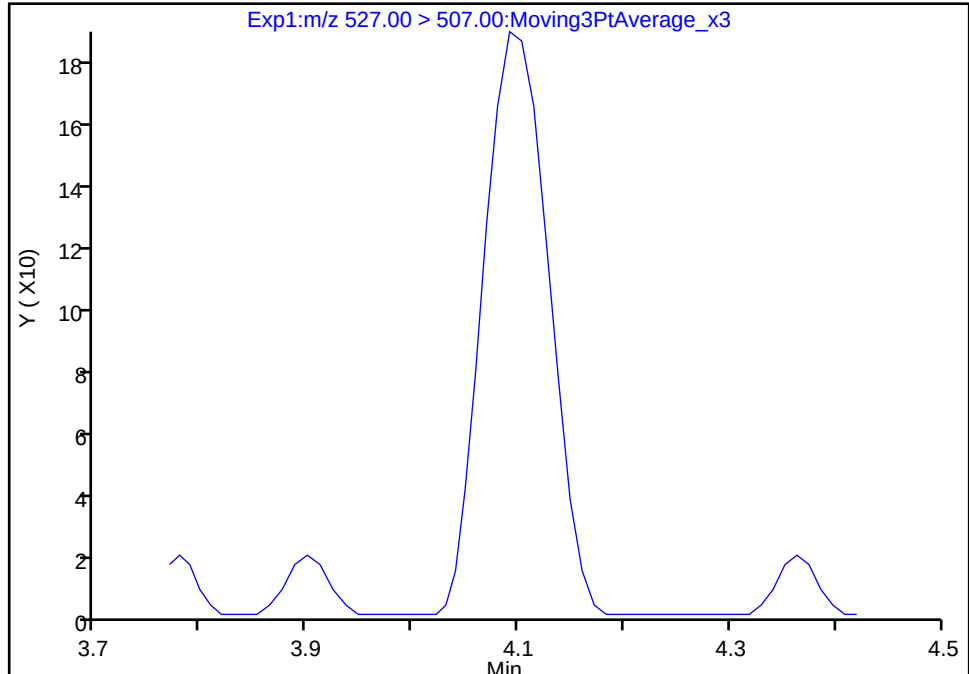
25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

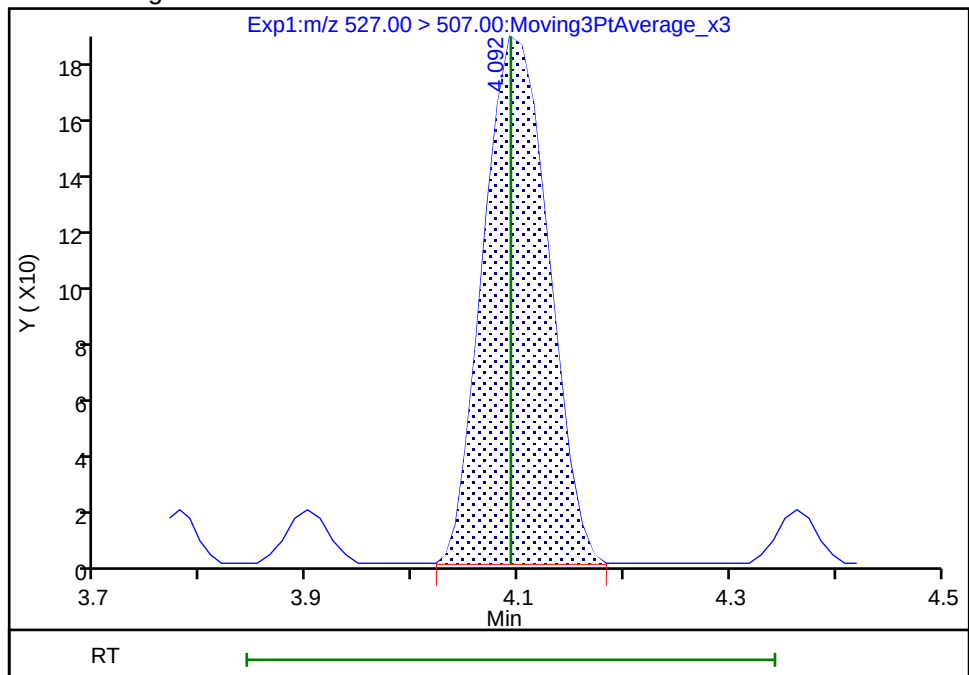
Not Detected

Expected RT: 4.09

Processing Integration Results



Manual Integration Results



RT: 4.09

Area: 803

Amount: 0.001822

Amount Units: ng/ml

Reviewer: khanphomeea, 20-Dec-2022 09:34:09

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

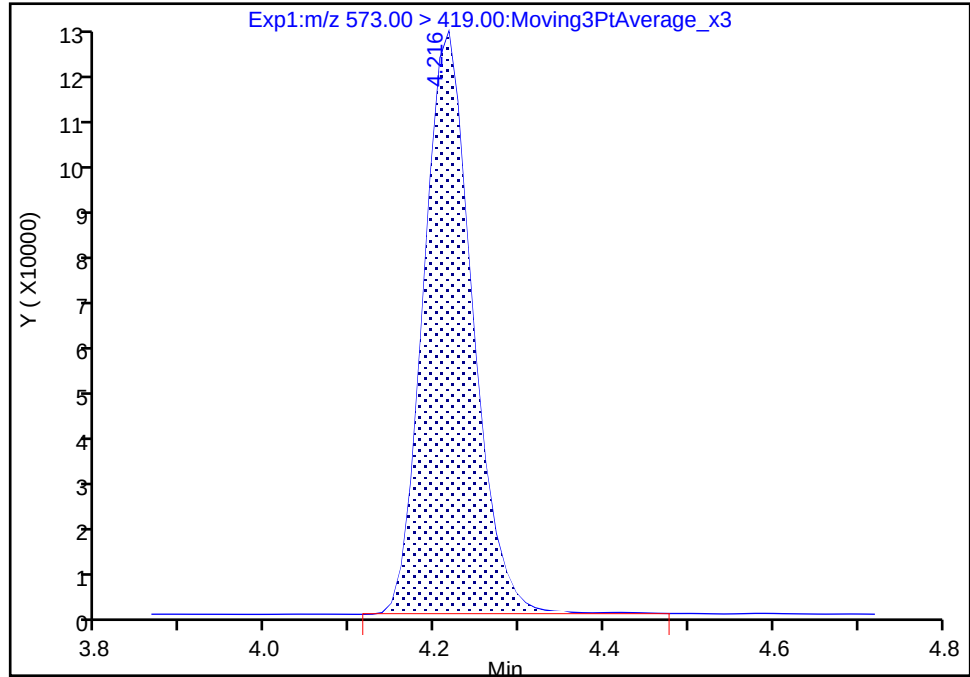
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B02.d
Injection Date: 19-Dec-2022 18:20:02 Instrument ID: LC812
Lims ID: MB 200-186815/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

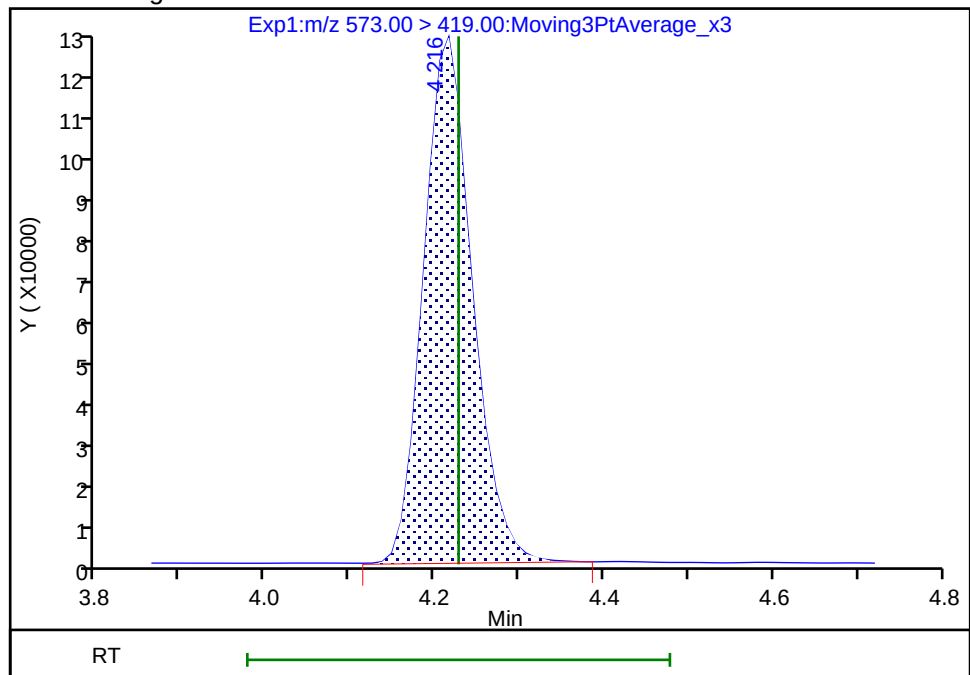
RT: 4.22
Area: 510504
Amount: 1.177127
Amount Units: ng/ml

Processing Integration Results



RT: 4.22
Area: 508099
Amount: 1.171582
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:29:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B02.d

Injection Date: 19-Dec-2022 18:20:02

Instrument ID: LC812

Lims ID: MB 200-186815/1-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)

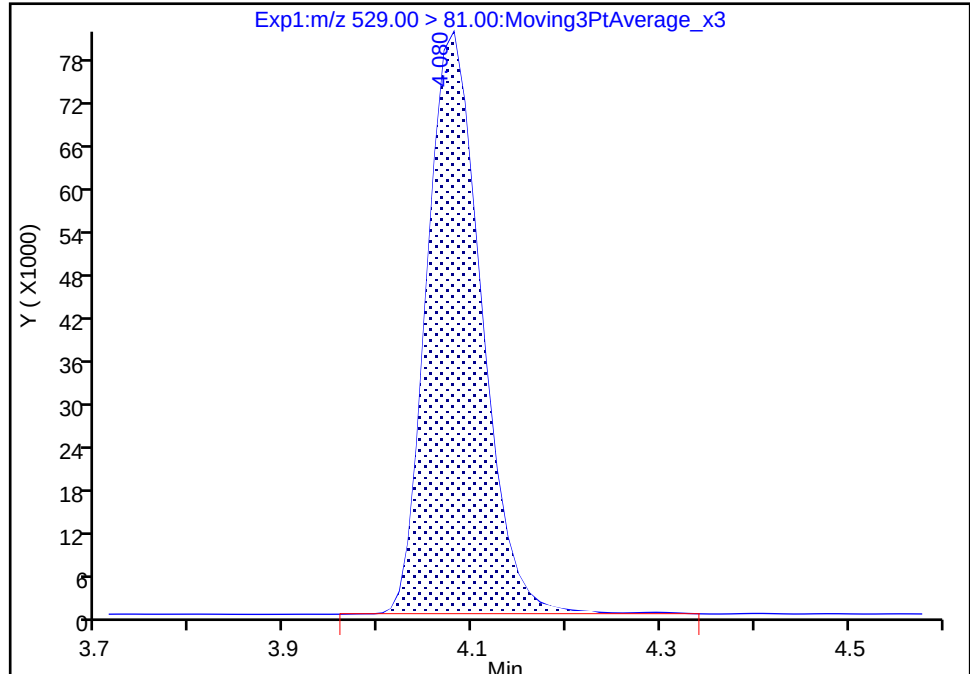
Detector: EXP1

D 26 M2-8:2 FTS, CAS: STL02280

Signal: 1

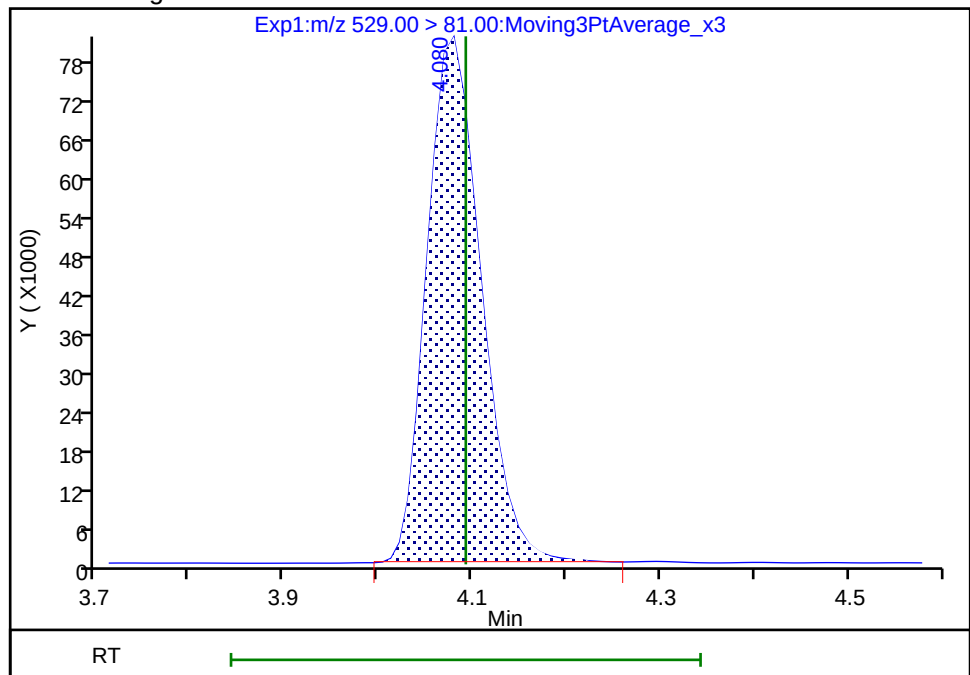
RT: 4.08
Area: 328533
Amount: 1.139957
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 326388
Amount: 1.132514
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:29:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-271302-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: CCB 200-186869/4
 Matrix: Solid Lab File ID: PA221219A04.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1 (mL) Date Analyzed: 12/19/2022 14:14
 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.: 186869 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.: 460-271302-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: CCB 200-186869/4

Matrix: Solid Lab File ID: PA221219A04.d

Analysis Method: 537 (modified) Date Collected: _____

Extraction Method: _____ Date Extracted: _____

Sample wt/vol: 1 (mL) Date Analyzed: 12/19/2022 14:14

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.: 186869 Units: ng/mL

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	111		50-150
STL01892	13C4 PFHpA	100		50-150
STL00990	13C4 PFOA	104		50-150
STL00991	13C4 PFOS	107		50-150
STL00995	13C5 PFNA	111		50-150
STL00992	13C4 PFBA	95		50-150
STL00993	13C2 PFHxA	100		50-150
STL00996	13C2 PFDA	114		50-150
STL00997	13C2 PFUnA	111		50-150
STL00998	13C2 PFDoA	113		50-150
STL01056	13C8 FOSA	109		50-150
STL01893	13C5 PFPeA	96		50-150
STL02116	13C2 PFTeDA	121		50-150
STL02118	d3-NMeFOSAA	102		50-150
STL02117	d5-NEtFOSAA	103		50-150
STL02279	M2-6:2 FTS	107		50-150
STL02280	M2-8:2 FTS	102		50-150
STL02337	13C3 PFBS	102		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A04.d
 Lims ID: CCB
 Client ID:
 Sample Type: CCB
 Inject. Date: 19-Dec-2022 14:14:44 ALS Bottle#: 1 Worklist Smp#: 4
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: CCB
 Misc. Info.: 200-0053735-004 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 21-Dec-2022 15:40:05 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1638

First Level Reviewer: nampitakw

Date: 20-Dec-2022 09:18:24

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.085	2.076	0.009	0.605	2622297	1.19		95.4	8493	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.120	2.076	0.044	1.016	15600	0.007211			1.6	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.387	0.013	0.696	2017104	1.20		96.4	3008	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.400	2.387	0.013	1.000	8462	0.004812			0.2	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.414	2.400	0.014	0.700	2150290	1.18		102	238894	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.414	2.400	0.014	1.000	2127	0.001005	Target=2.09		4.7	M
298.90 > 99.00	2.414	2.400	0.014	1.000	814		2.61(1.04-3.13)		1.0	M
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.714	2.689	0.025	1.005	296	0.000592			2.9	M
D 60 M2-4:2 FTS										
329.00 > 81.00	2.701	2.689	0.012	0.783	189397	1.18		101	221	
D 7 13C2 PFHxA										
315.00 > 270.00	2.738	2.725	0.013	0.794	2191453	1.25		99.9	3887	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.738	2.725	0.013	1.000	4365	0.002285	Target=14.25		1.0	M
313.00 > 119.00	2.738	2.725	0.013	1.000	403		10.83(7.12-21.37)		1.0	M
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.847	2.835	0.012	1.000	177	0.000545			3.3	M
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.847	2.835	0.012	0.826	384476	1.24		99.3	2062	
D 11 18O2 PFHxS										
403.00 > 84.00	3.099	3.088	0.011	0.899	1746948	1.32		111	2903	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.099	3.088	0.011	1.000	5980	0.003586	Target=3.66	33.4		M
399.00 > 99.00	3.099	3.088	0.011	1.000	1142		5.24(1.83-5.49)	2.4		M
D 9 13C4 PFHpA										
367.00 > 322.00	3.099	3.099	0.0	0.899	2261147	1.25		100	2373	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.439	3.439	0.0	0.997	282159	1.27		107	733	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.448	3.439	0.009	1.003	154	-0.0116		0.8		M
D 14 13C4 PFOA										
417.00 > 372.00	3.448	3.448	0.0	1.000	2640019	1.30		104	4323	
* 62 13C2 PFOA										
415.00 > 370.00	3.448	3.448	0.0		2449732	1.25		3967		
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.404	3.448	-0.044	0.987	2867	0.001270	Target=2.79	0.2		M
413.00 > 169.00	3.457	3.448	0.009	1.003	917		3.13(1.40-4.19)	2.4		M
D 18 13C4 PFOS										
503.00 > 80.00	3.764	3.764	0.0	1.092	1147879	1.28		107	4826	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.783	3.764	0.019	1.005	3196	0.002736	Target=5.11	3.0		M
499.00 > 99.00	3.726	3.764	-0.038	0.990	679		4.71(2.55-7.66)	1.5		M
D 19 13C5 PFNA										M
468.00 > 423.00	3.783	3.783	0.0	1.097	2746898	1.39		111	6193	M
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.928	3.928	0.0	1.044	323	0.000120		2.3		M
D 23 13C2 PFDA										M
515.00 > 470.00	4.082	4.081	0.001	1.184	2861115	1.42		114	3842	M
D 26 M2-8:2 FTS										M
529.00 > 81.00	4.093	4.093	0.0	1.187	333033	1.23		102	778	M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.093	4.093	0.0	1.000	345	0.000767		7.8		M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.139	4.150	-0.011	0.997	809	0.000431		3.5		M
D 21 13C8 FOSA										
506.00 > 78.00	4.150	4.150	0.0	1.204	2248084	1.37		109	3626	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.228	4.228	0.0	1.226	522932	1.28		102	1901	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.239	4.228	0.011	1.002	510	-0.0102		0.7		M
D 30 13C2 PFUnA										
565.00 > 520.00	4.354	4.353	0.001	1.263	2545719	1.38		111	5426	
31 Perfluoroundecanoic acid										RM
563.00 > 519.00	4.354	4.353	0.001	1.000	1814	0.000884	Target=9.88	0.9		RM
563.00 > 169.00	4.354	4.353	0.001	1.000	448		4.05(4.94-14.82)	6.5		M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.365	4.365	0.0	1.000	571	0.001541		4.2		M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.365	4.365	0.0	1.266	517422	1.28		103	1097	
66 11-Chloroeicosafuoro-3-oxaundec										M
631.00 > 451.00	4.443	4.454	-0.011	1.180	770	0.000186			5.8	M
37 Perfluorododecanoic acid										RM
613.00 > 569.00	4.602	4.591	0.011	1.002	731	0.000325	Target=7.77		0.1	R
613.00 > 169.00	4.580	4.591	-0.011	0.998	525		1.39(3.89-11.66)		3.9	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.591	4.591	0.0	1.332	2650735	1.41		113	4284	
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.623	4.612	0.011	1.129	33	0.000122			0.9	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.785	4.804	-0.019	1.042	996	0.000464	Target=5.21		0.1	M
663.00 > 169.00	4.795	4.804	-0.009	1.044	228		4.37(2.60-7.81)		1.9	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.002	5.012	-0.010	1.000	435	0.001616	Target=0.89		3.5	M
713.00 > 219.00	5.002	5.012	-0.010	1.000	437		1.00(0.44-1.33)		5.5	M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.002	5.012	-0.010	1.451	2458118	1.52		121	4830	
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.367	5.367	0.0	1.000	27586	-0.004617	Target=5.65		2.9	
813.00 > 169.00	5.367	5.367	0.0	1.000	4432		6.22(2.82-8.47)		31.1	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.367	5.367	0.0	1.556	3009169	1.50		120	7029	
46 Perfluorooctadecanoic acid										RM
913.00 > 869.00	5.722	5.722	0.0	1.066	2360	0.001190	Target=6.24		0.3	RM
913.00 > 169.00	5.722	5.722	0.0	1.066	235		10.04(3.12-9.36)		3.4	M

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCBLK20_00023

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A04.d

Injection Date: 19-Dec-2022 14:14:44

Instrument ID: LC812

Lims ID: CCB

Client ID:

Operator ID: lc812tech

ALS Bottle#: 1

Worklist Smp#: 4

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

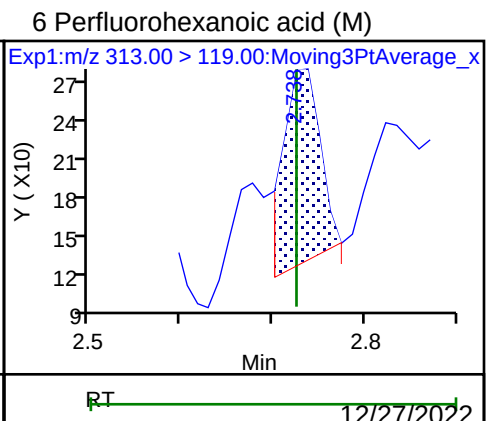
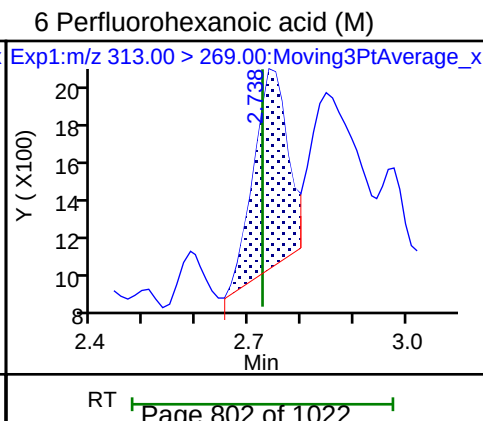
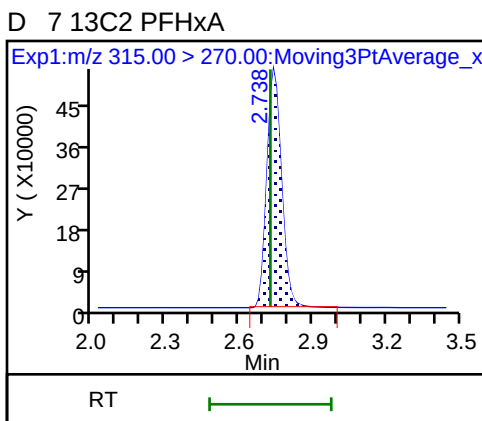
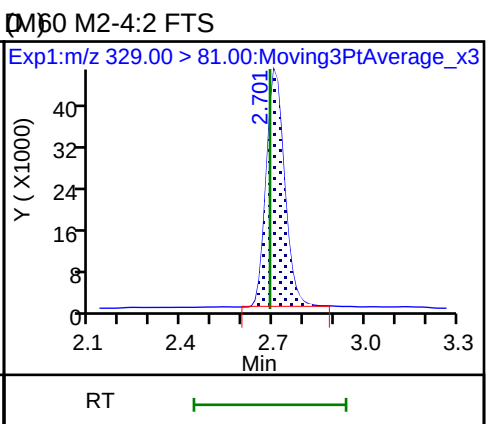
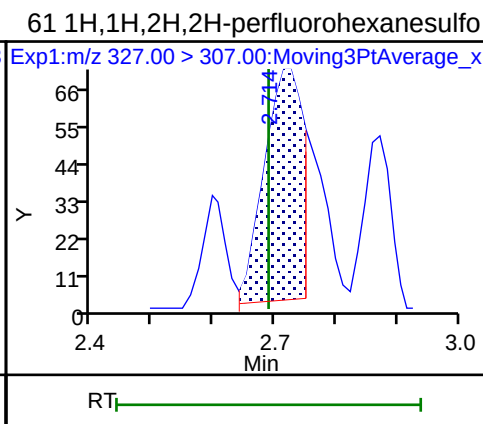
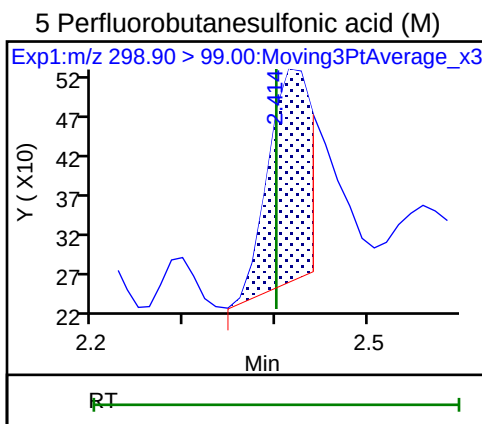
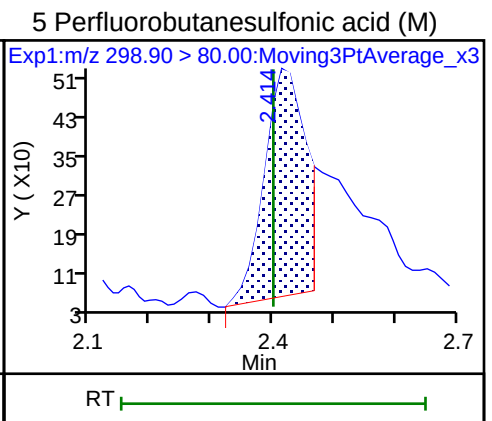
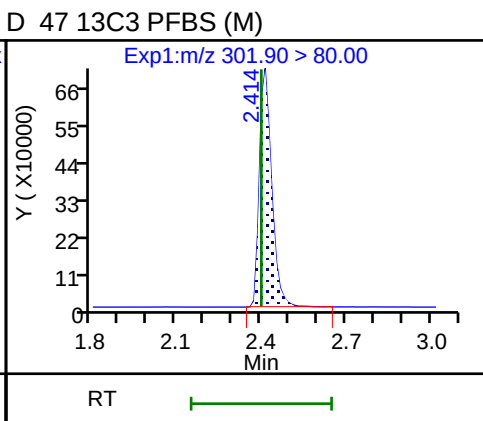
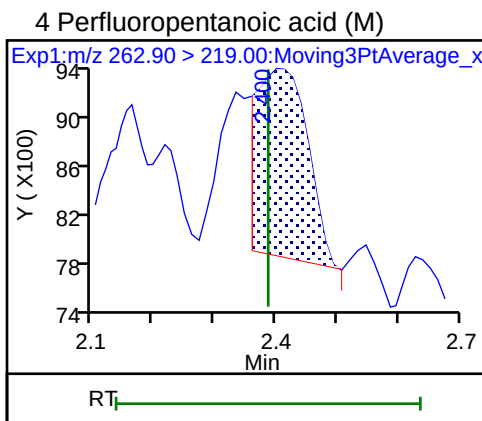
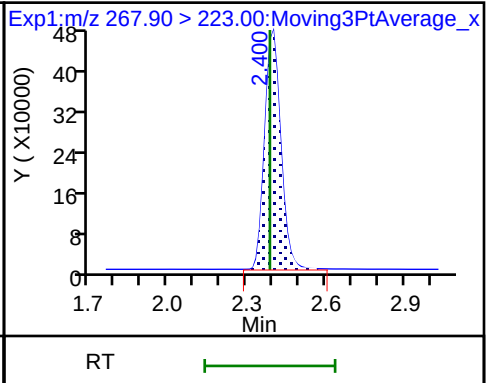
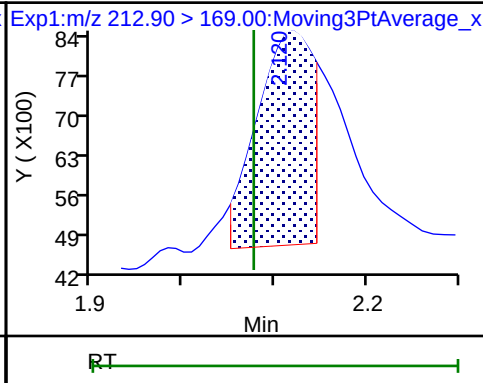
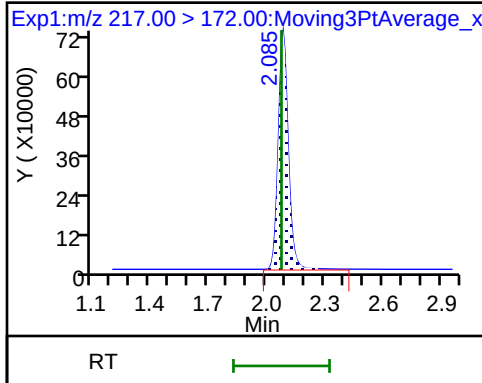
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

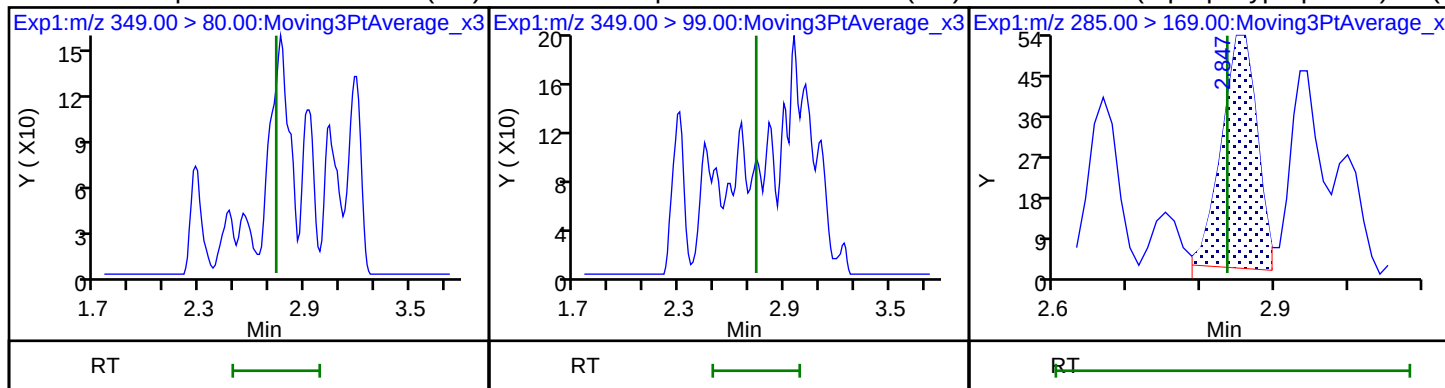
D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

D 3 13C5 PFPeA



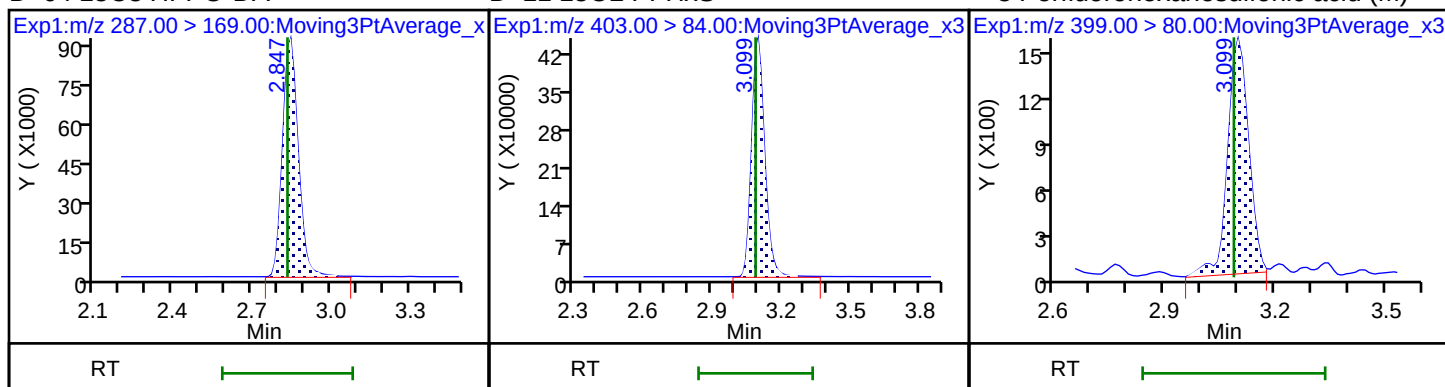
70 Perfluoropentanesulfonic acid (ND) 70 Perfluoropentanesulfonic acid (ND) 67 Perfluoro(2-propoxypropanoic) ac (M)



D 64 13C3 HFPO-DA

D 11 18O2 PFHxS

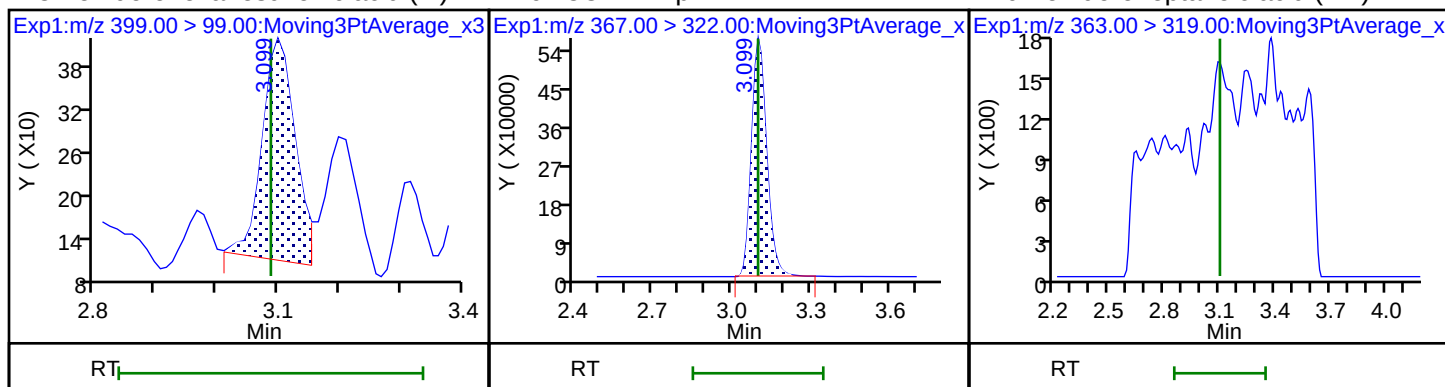
8 Perfluorohexanesulfonic acid (M)



8 Perfluorohexanesulfonic acid (M)

D 9 13C4 PFHpA

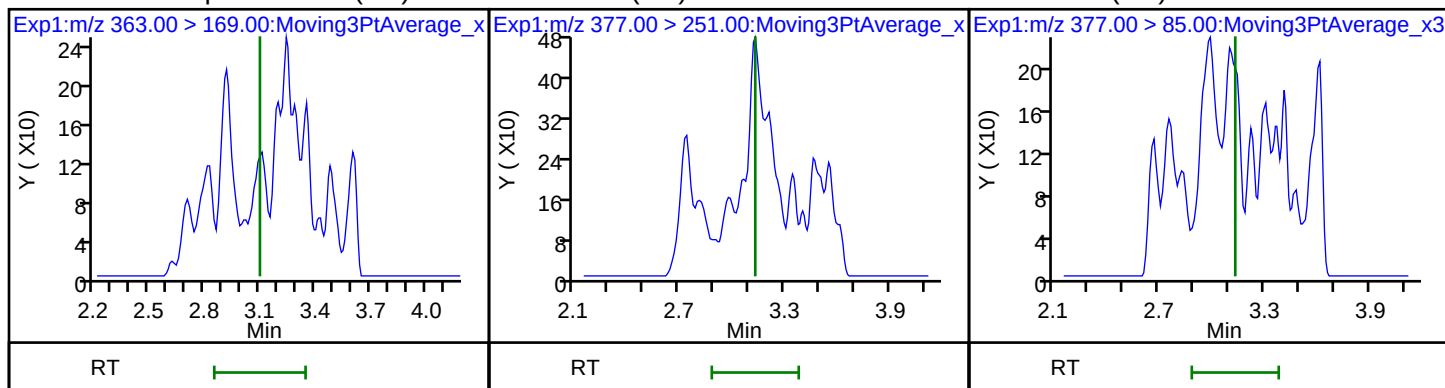
10 Perfluoroheptanoic acid (ND)



10 Perfluoroheptanoic acid (ND)

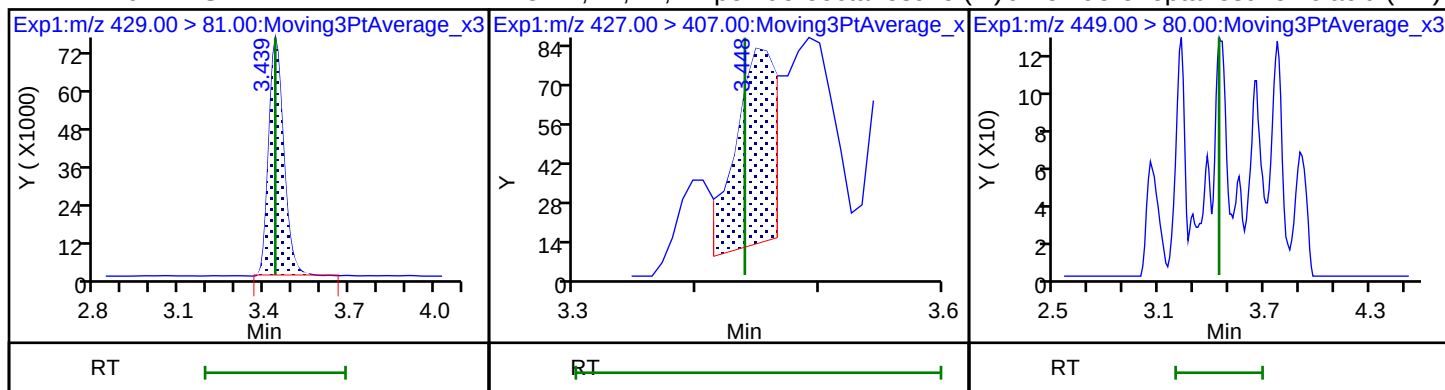
77 DONA (ND)

77 DONA (ND)



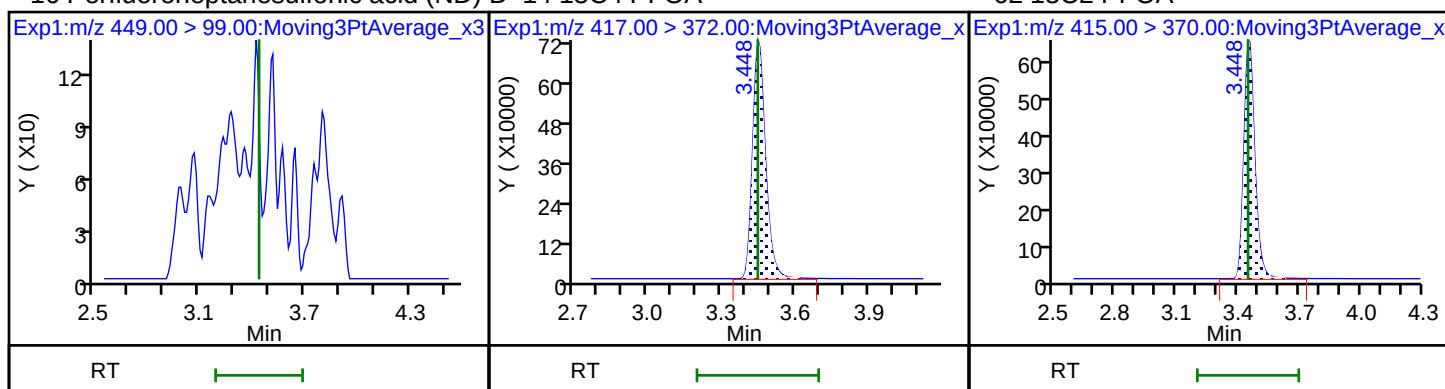
D 12 M2-6:2 FTS

13 1H,1H,2H,2H-perfluorooctanesulfo (M) 16 Perfluoroheptanesulfonic acid (ND)



16 Perfluoroheptanesulfonic acid (ND) D 14 13C4 PFOA

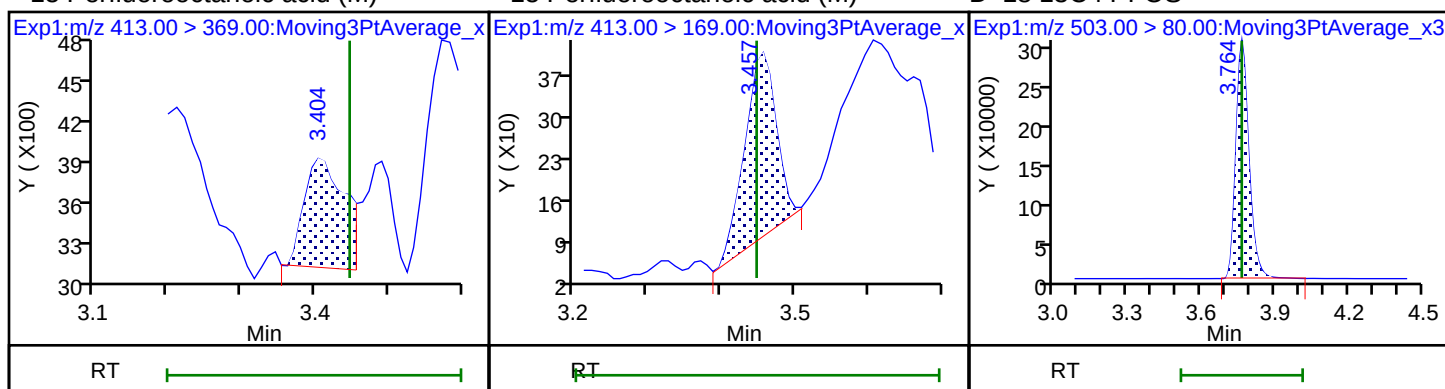
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

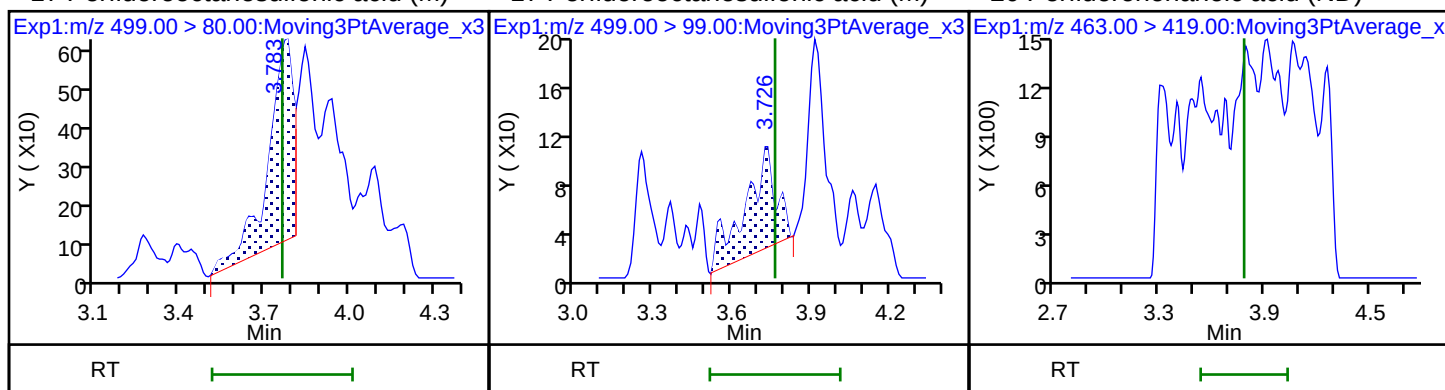
D 18 13C4 PFOS

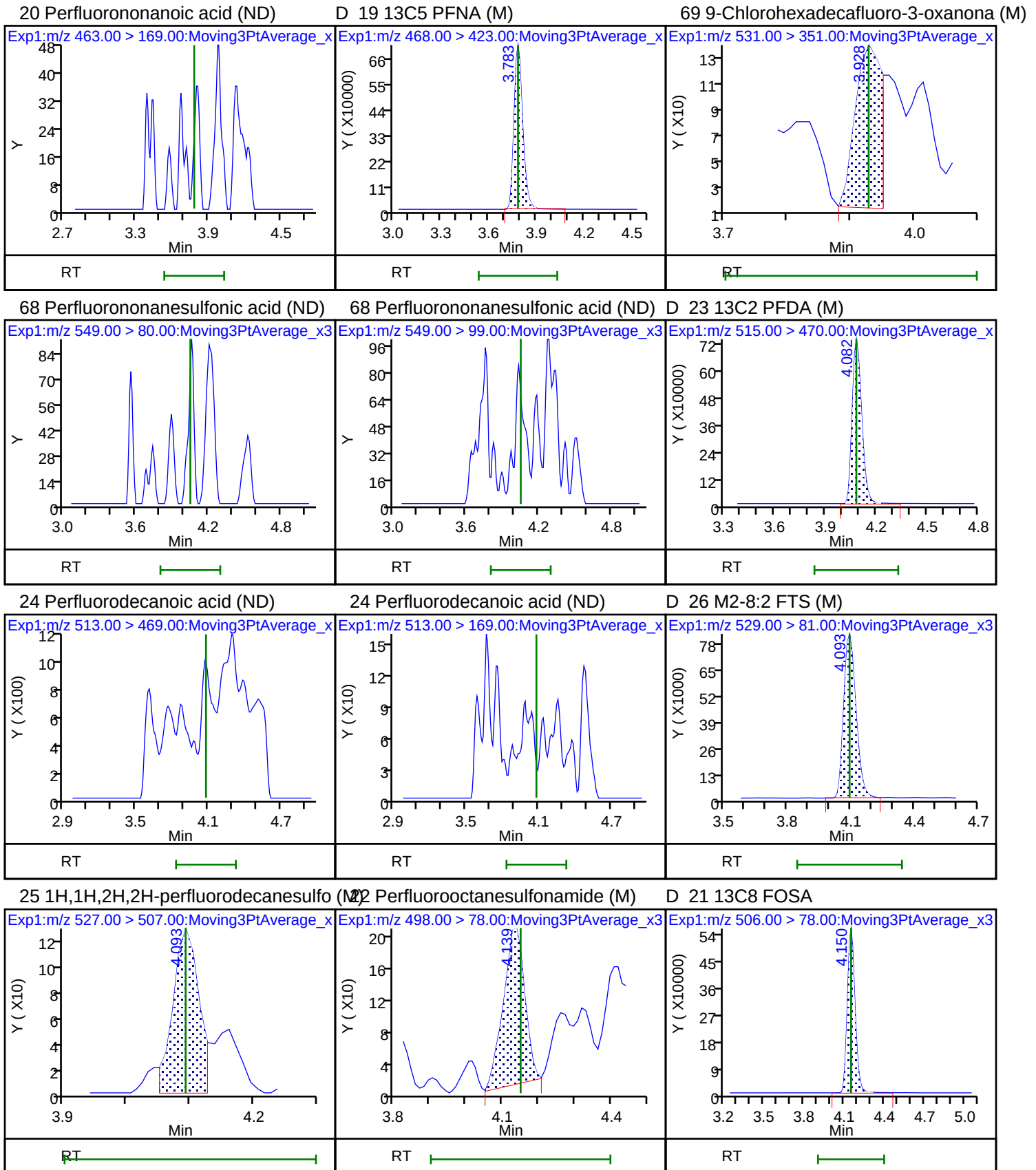


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

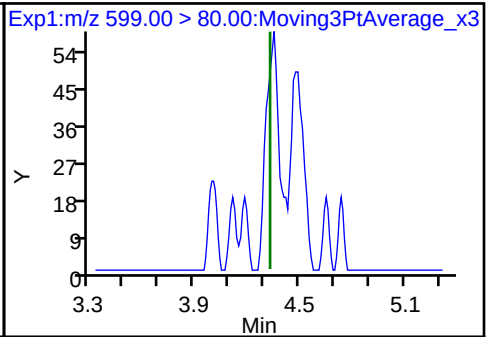
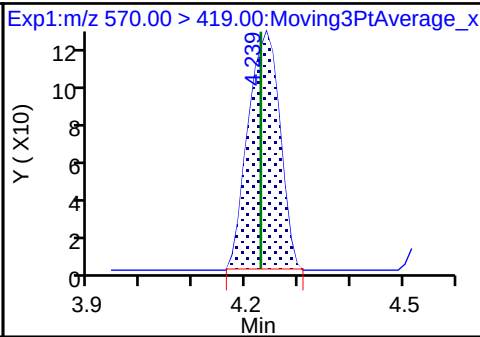
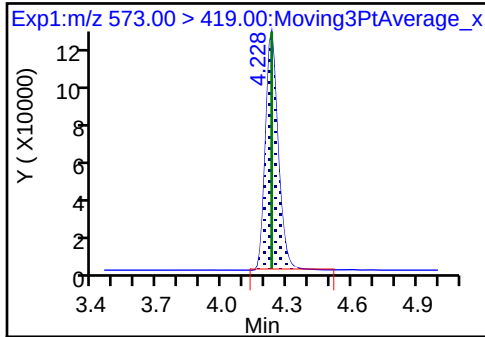
20 Perfluorononanoic acid (ND)





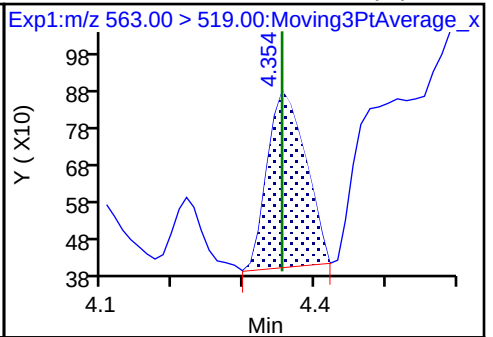
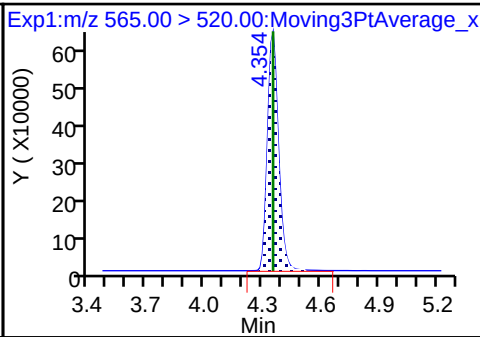
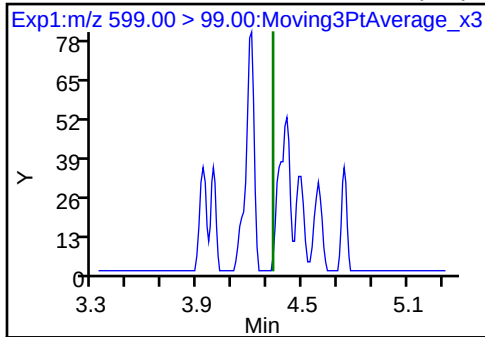
D 27 d3-NMeFOSAA

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



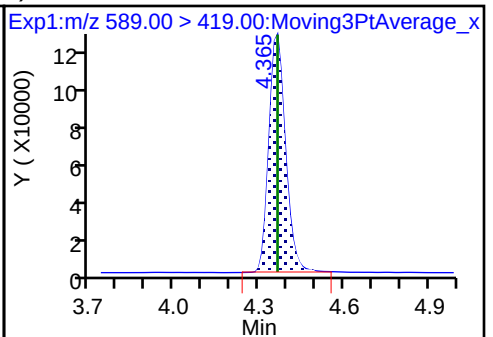
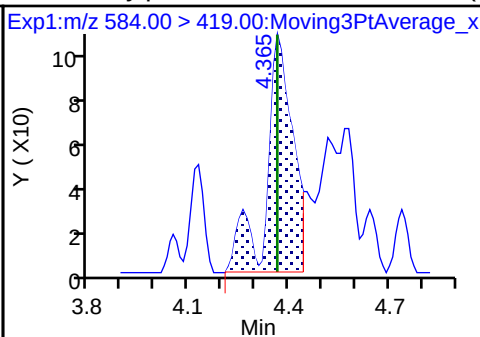
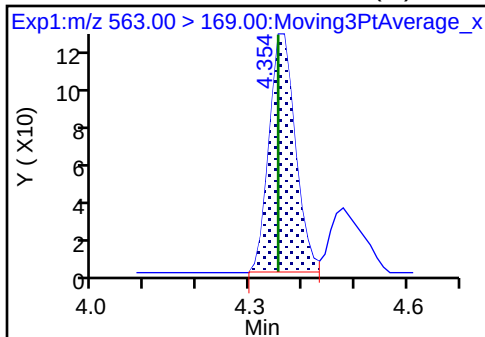
29 Perfluorodecanesulfonic acid (ND) D 30 13C2 PFUnA

31 Perfluoroundecanoic acid (M)



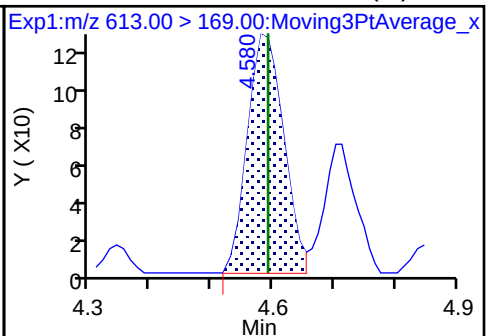
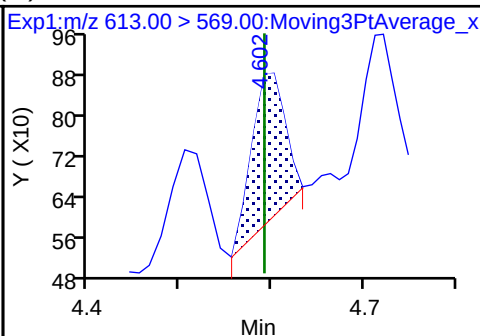
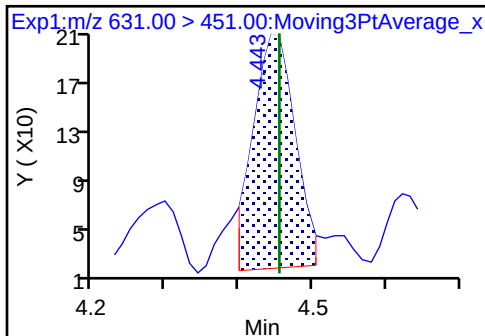
31 Perfluoroundecanoic acid (M)

33 N-ethylperfluorooctanesulfonamid (M) 32 d5-NEtFOSAA



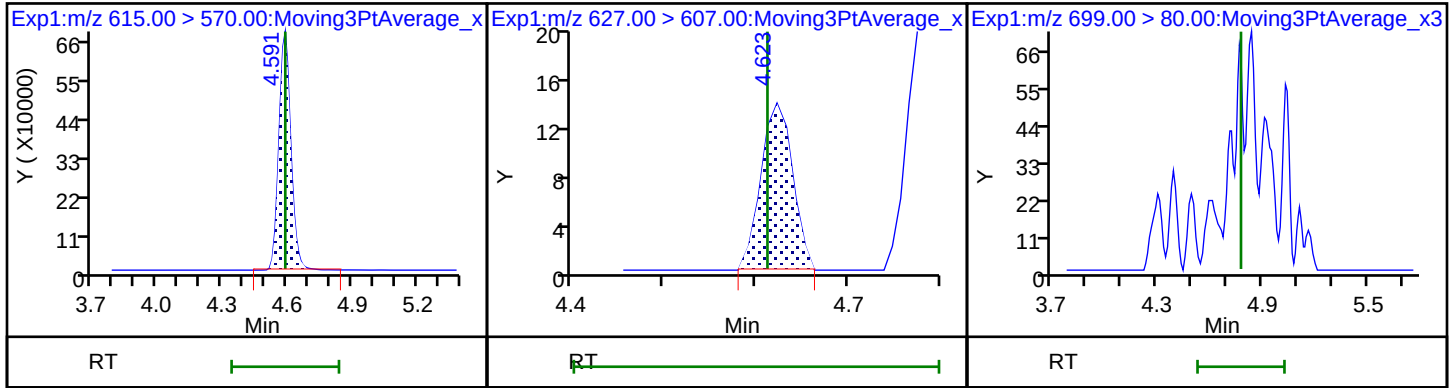
66 11-Chloroeicosafluoro-3-oxaundec (M) 37 Perfluorododecanoic acid

37 Perfluorododecanoic acid (M)



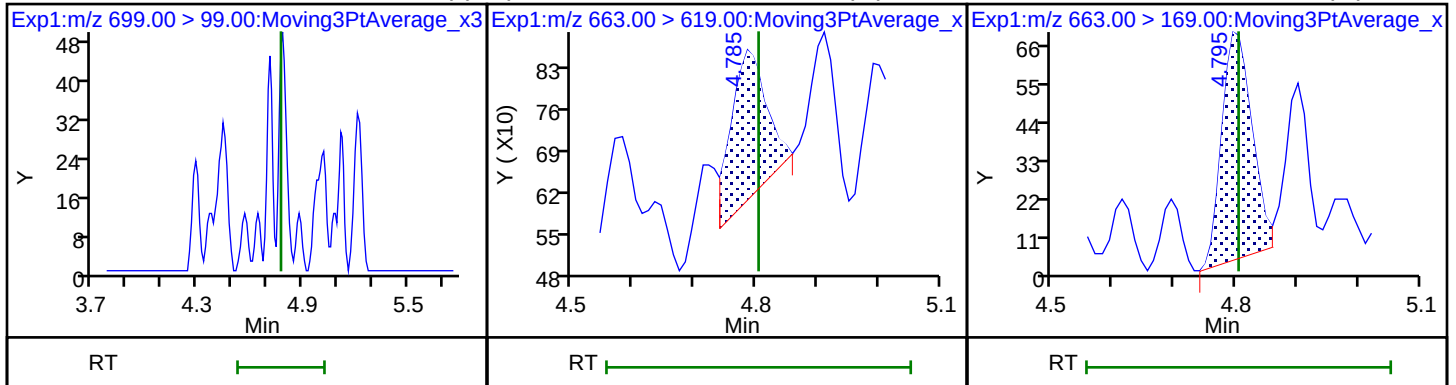
D 36 13C2 PFD0A

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



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

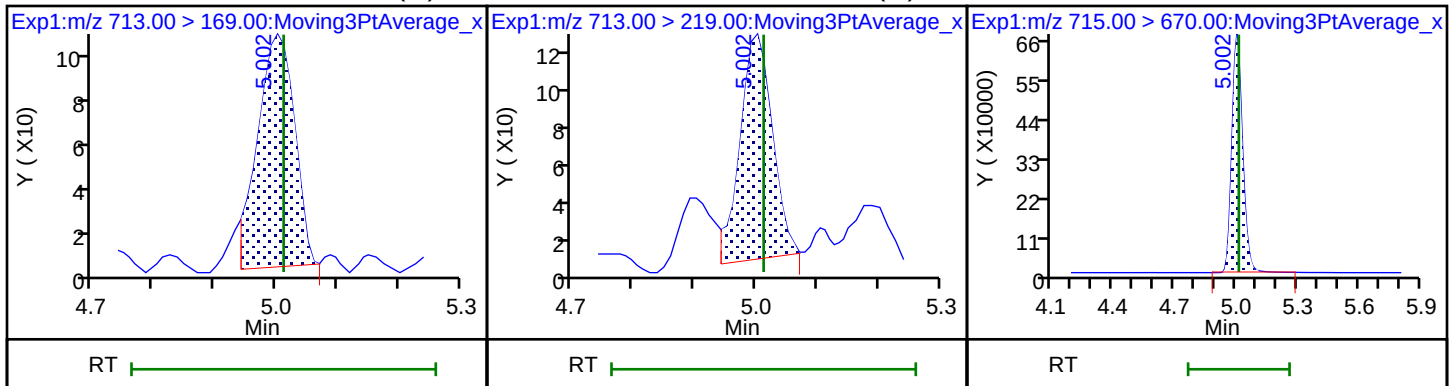
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

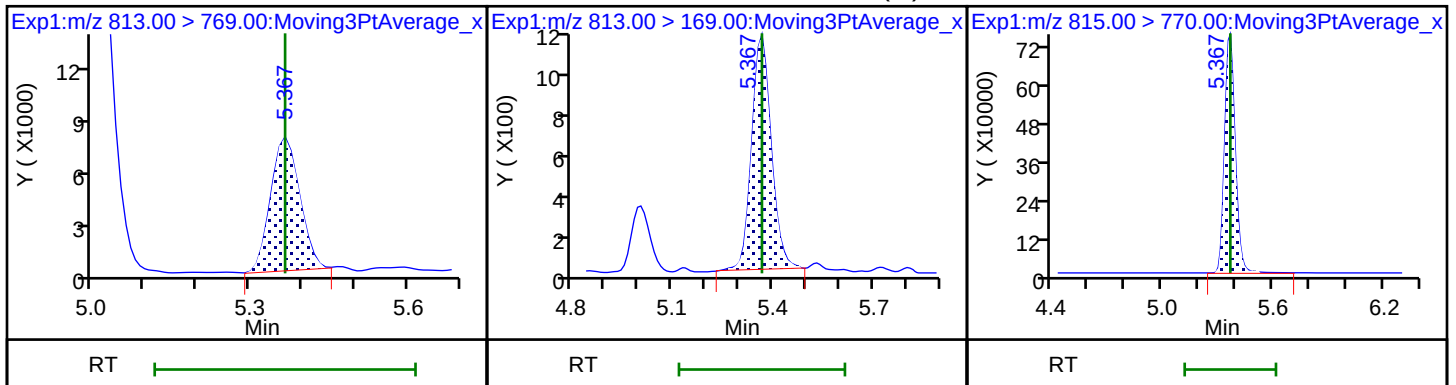
D 43 13C2 PFTeDA



45 Perfluorohexadecanoic acid

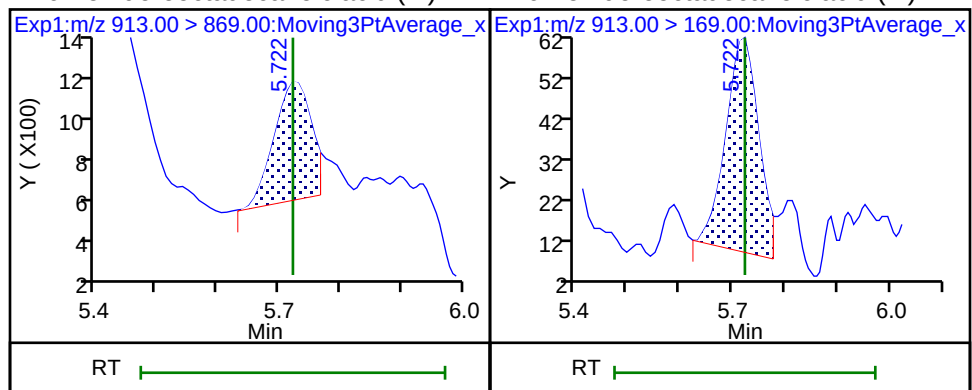
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

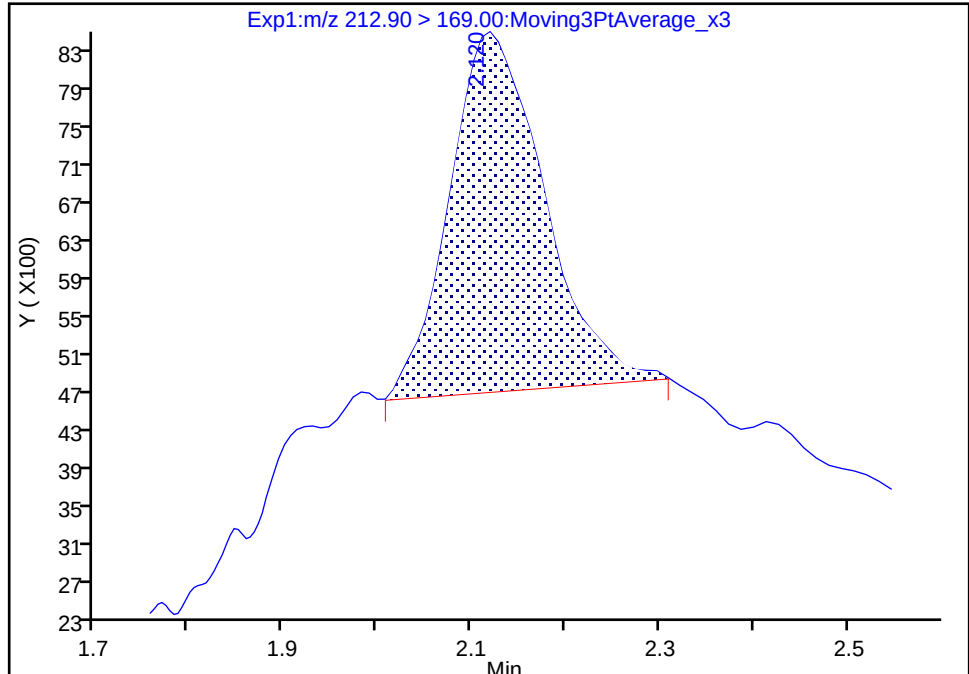
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Injection Date: 19-Dec-2022 14:14:44 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

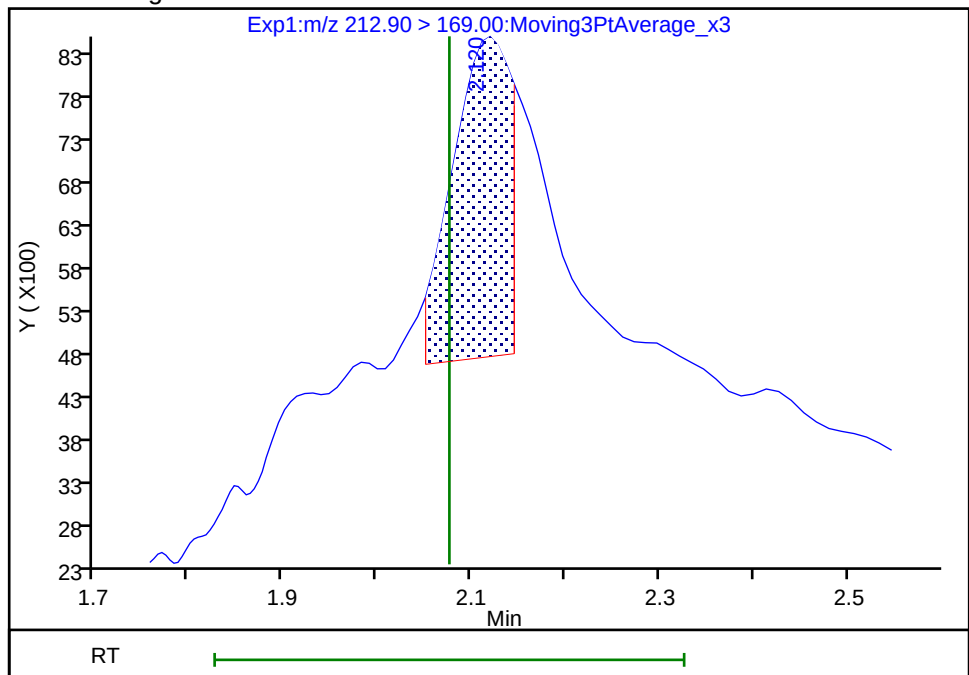
RT: 2.12
Area: 26330
Amount: 0.012171
Amount Units: ng/ml

Processing Integration Results



RT: 2.12
Area: 15600
Amount: 0.007211
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:02:50

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

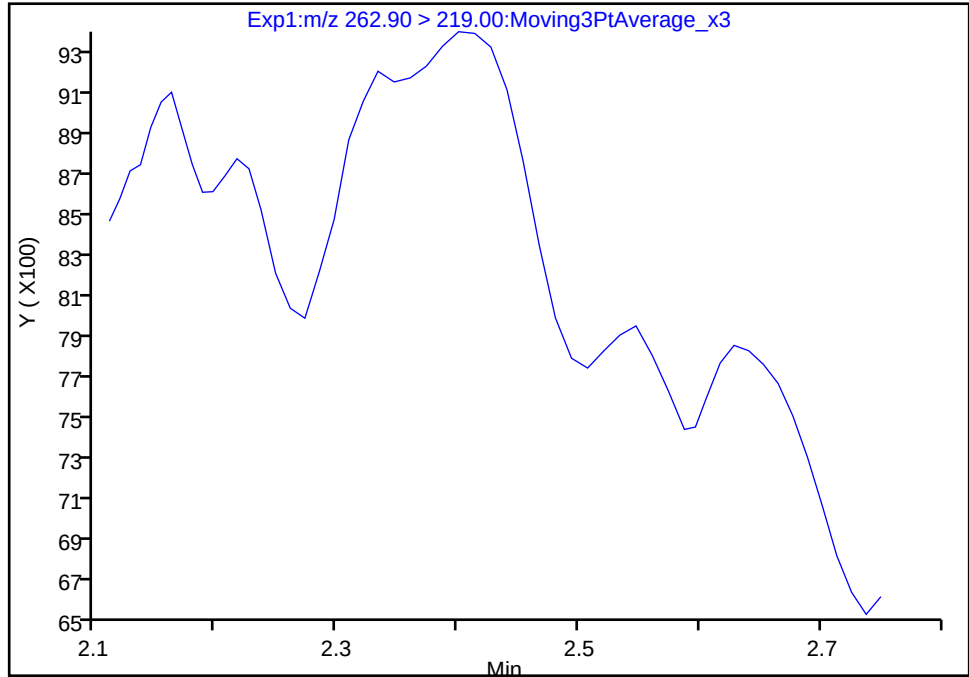
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A04.d
Injection Date: 19-Dec-2022 14:14:44 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

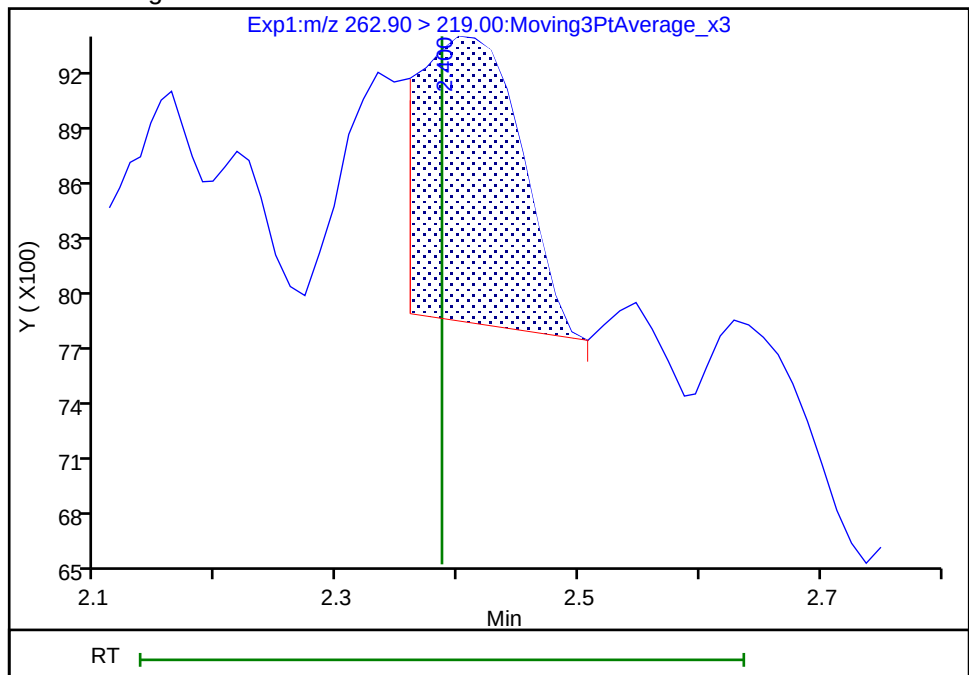
Signal: 1

Not Detected
Expected RT: 2.39

Processing Integration Results



Manual Integration Results



RT: 2.40
Area: 8462
Amount: 0.004812
Amount Units: ng/ml

Reviewer: nampitakw, 20-Dec-2022 09:06:08

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

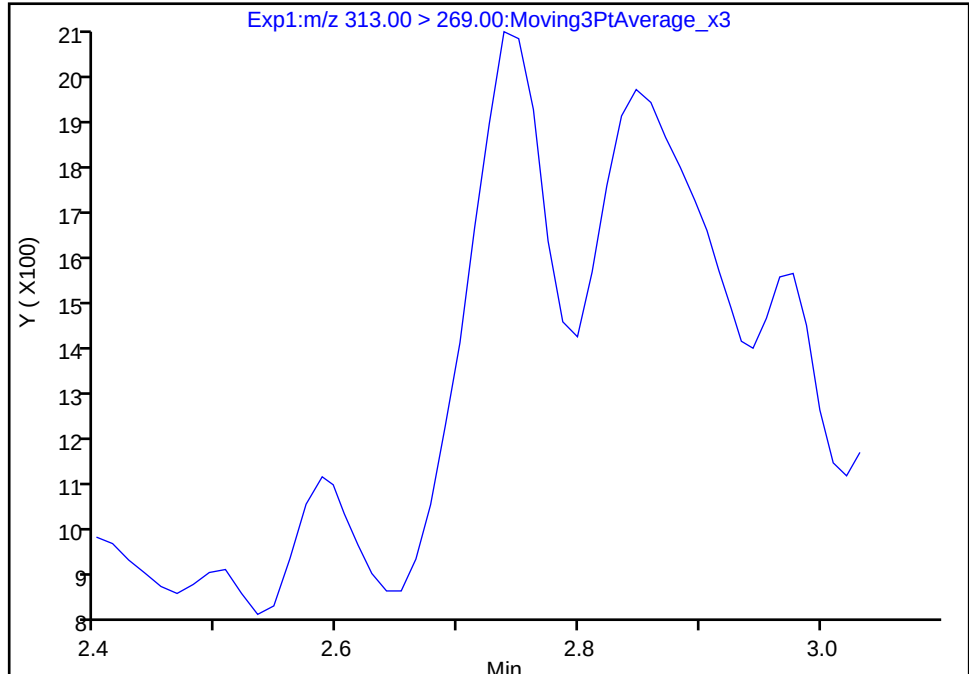
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A04.d
Injection Date: 19-Dec-2022 14:14:44 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

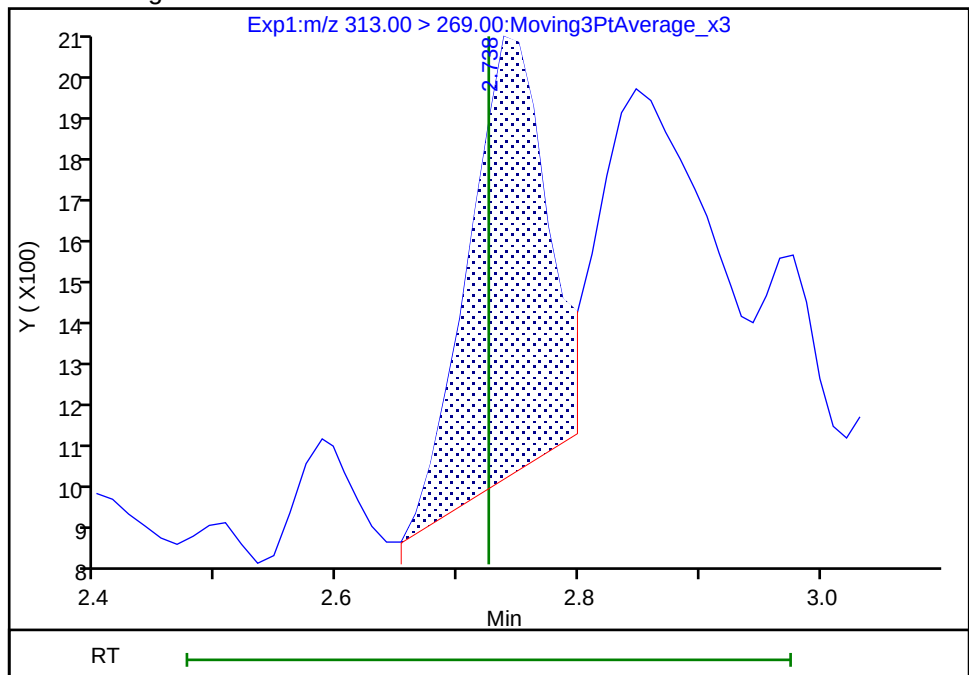
Signal: 1

Not Detected
Expected RT: 2.73

Processing Integration Results



Manual Integration Results



RT: 2.74
Area: 4365
Amount: 0.002285
Amount Units: ng/ml

Reviewer: nampitakw, 20-Dec-2022 09:07:06

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

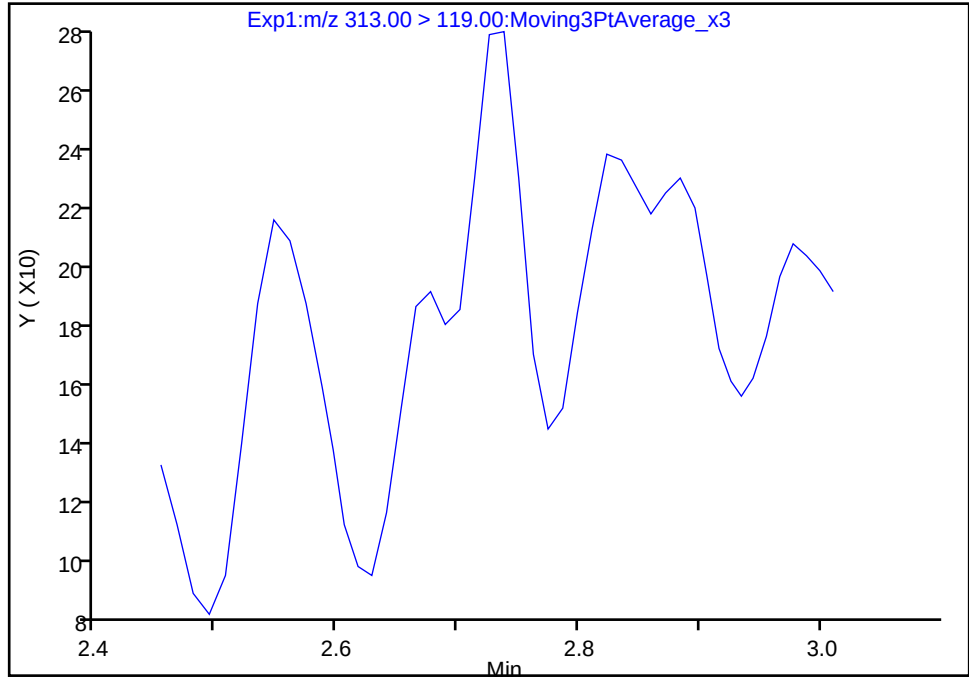
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A04.d
Injection Date: 19-Dec-2022 14:14:44 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

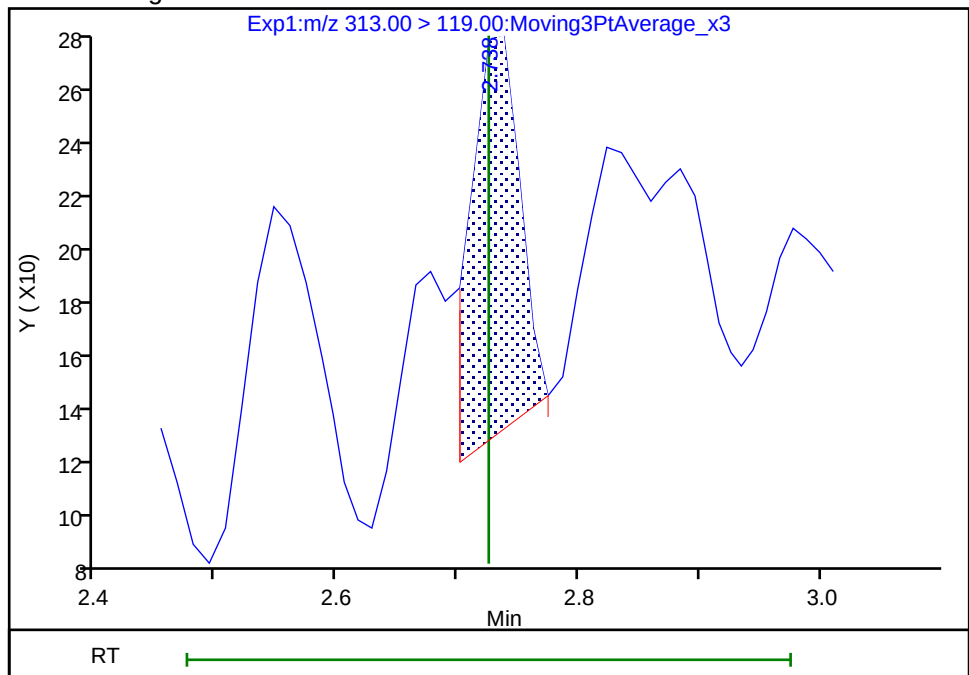
Not Detected
Expected RT: 2.73

Processing Integration Results



Manual Integration Results

RT: 2.74
Area: 403
Amount: 0.002285
Amount Units: ng/ml



Reviewer: nampitakw, 20-Dec-2022 09:07:09

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

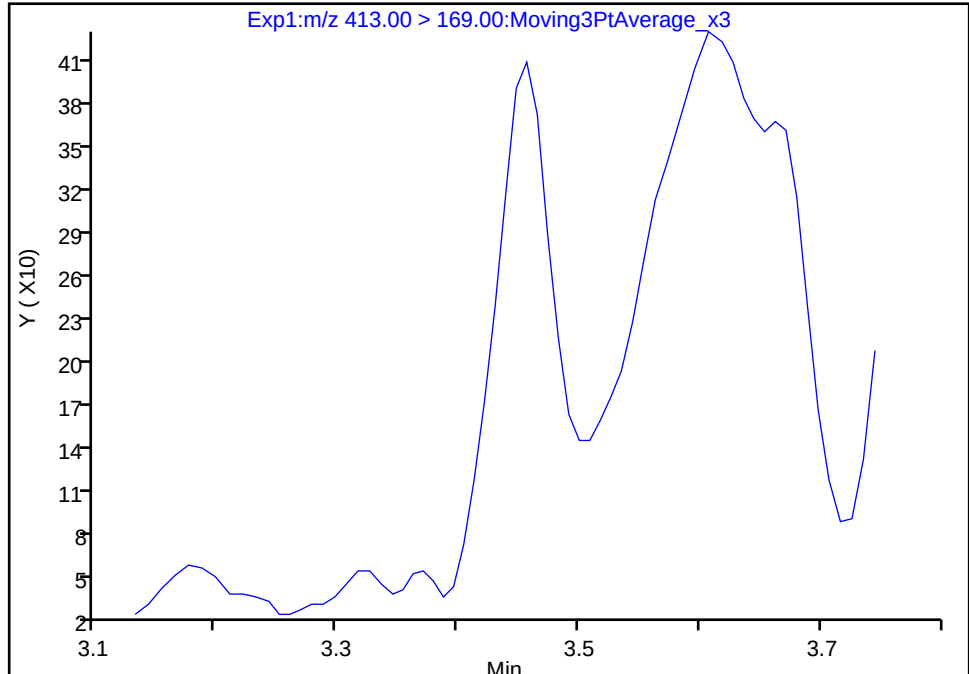
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A04.d
Injection Date: 19-Dec-2022 14:14:44 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

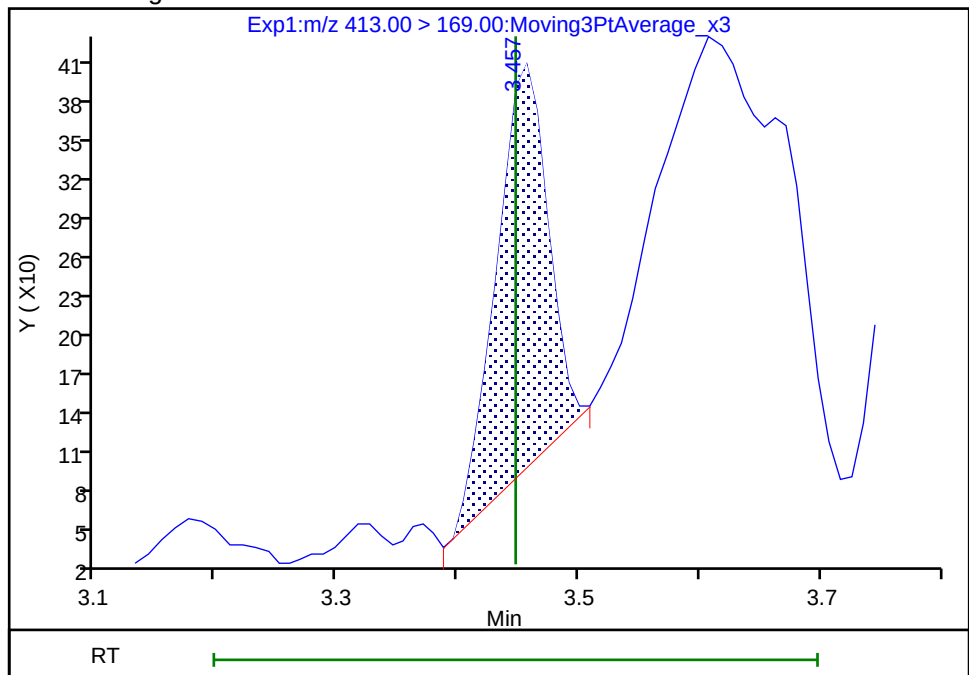
Not Detected
Expected RT: 3.45

Processing Integration Results



Manual Integration Results

RT: 3.46
Area: 917
Amount: 0.001270
Amount Units: ng/ml



Reviewer: nampitakw, 20-Dec-2022 09:15:15

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

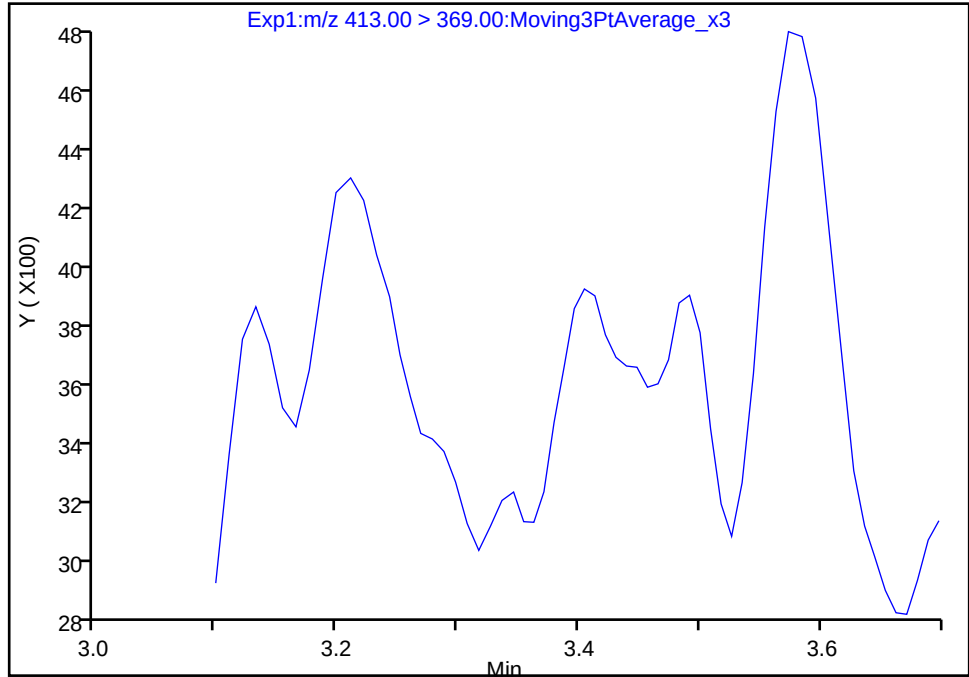
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A04.d
Injection Date: 19-Dec-2022 14:14:44 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

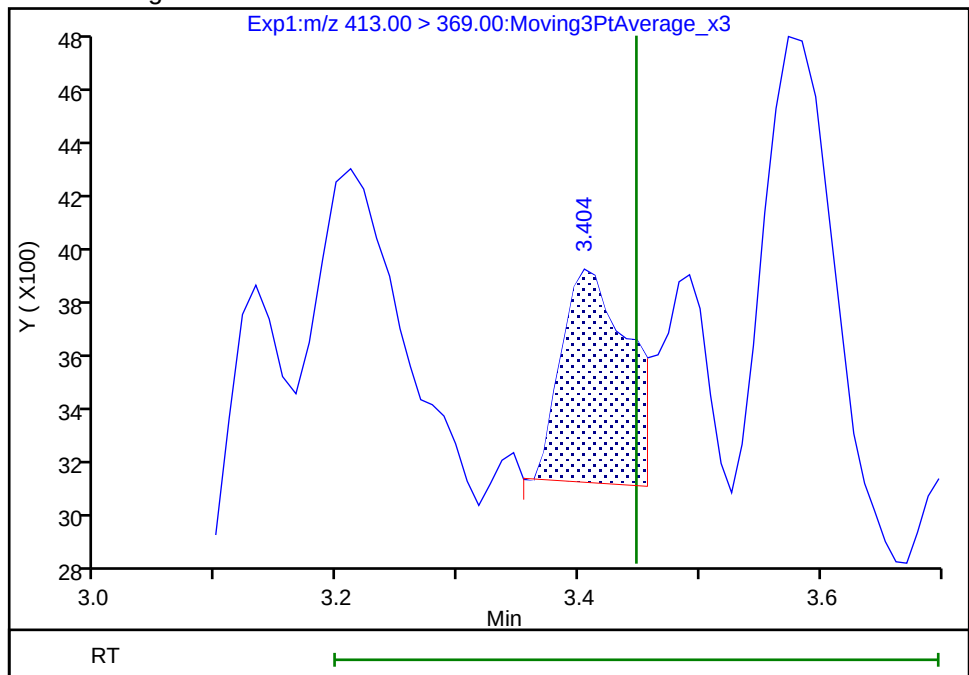
Not Detected
Expected RT: 3.45

Processing Integration Results



Manual Integration Results

RT: 3.40
Area: 2867
Amount: 0.001270
Amount Units: ng/ml



Reviewer: nampitakw, 20-Dec-2022 09:15:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

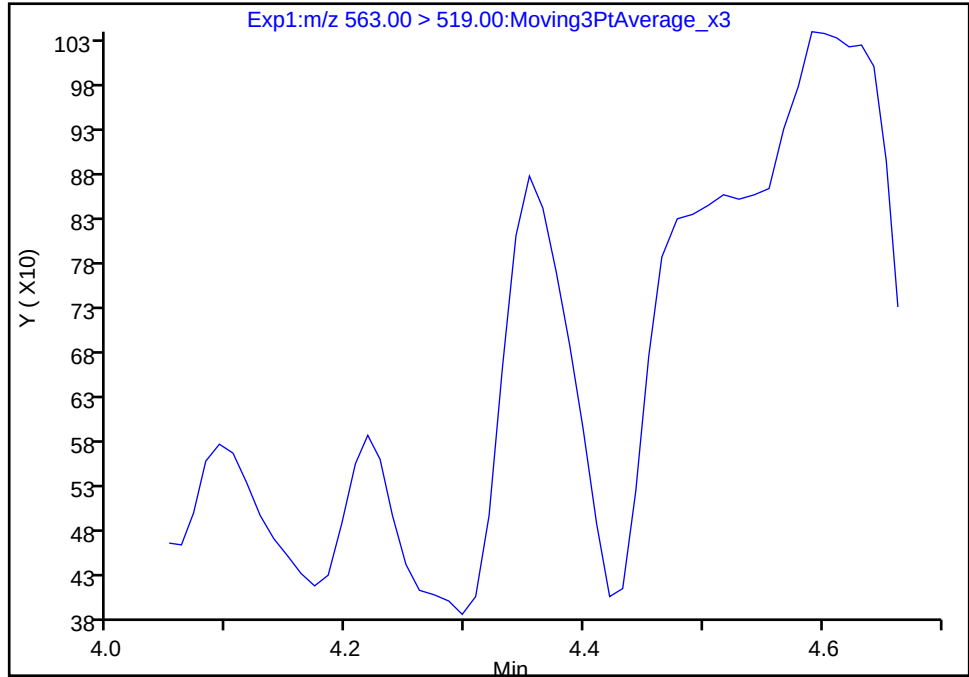
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A04.d
Injection Date: 19-Dec-2022 14:14:44 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

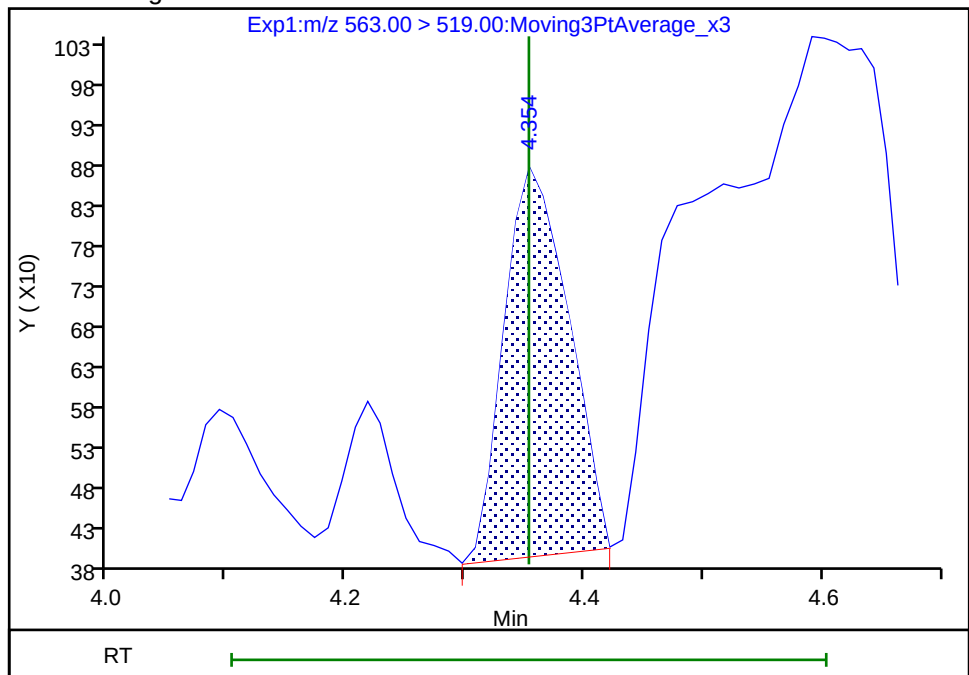
Not Detected
Expected RT: 4.35

Processing Integration Results



Manual Integration Results

RT: 4.35
Area: 1814
Amount: 0.000884
Amount Units: ng/ml



Reviewer: nampitakw, 20-Dec-2022 09:16:36
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

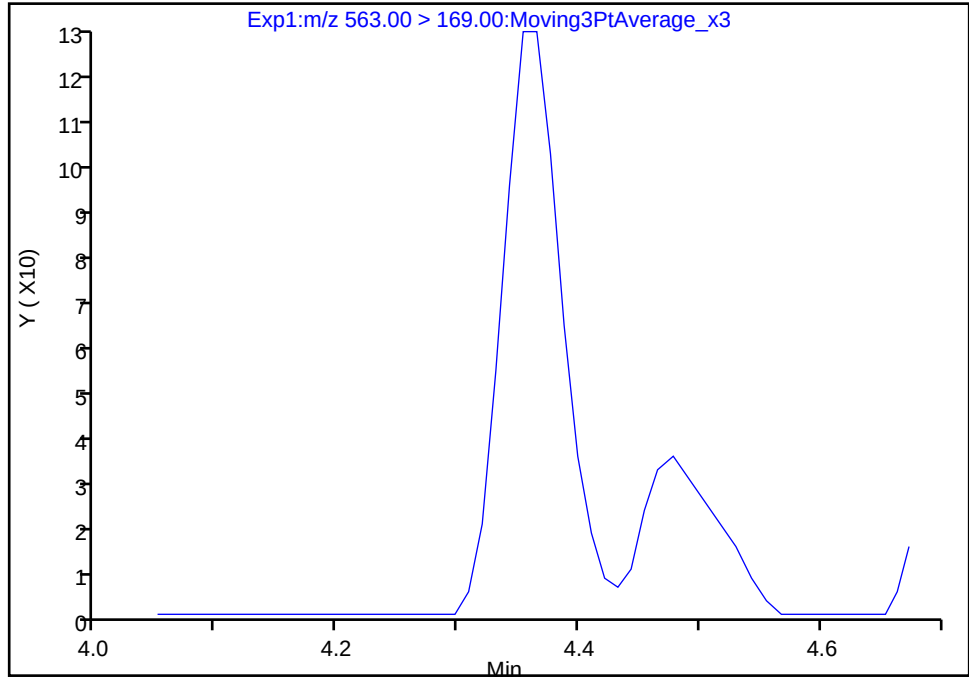
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A04.d
Injection Date: 19-Dec-2022 14:14:44 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

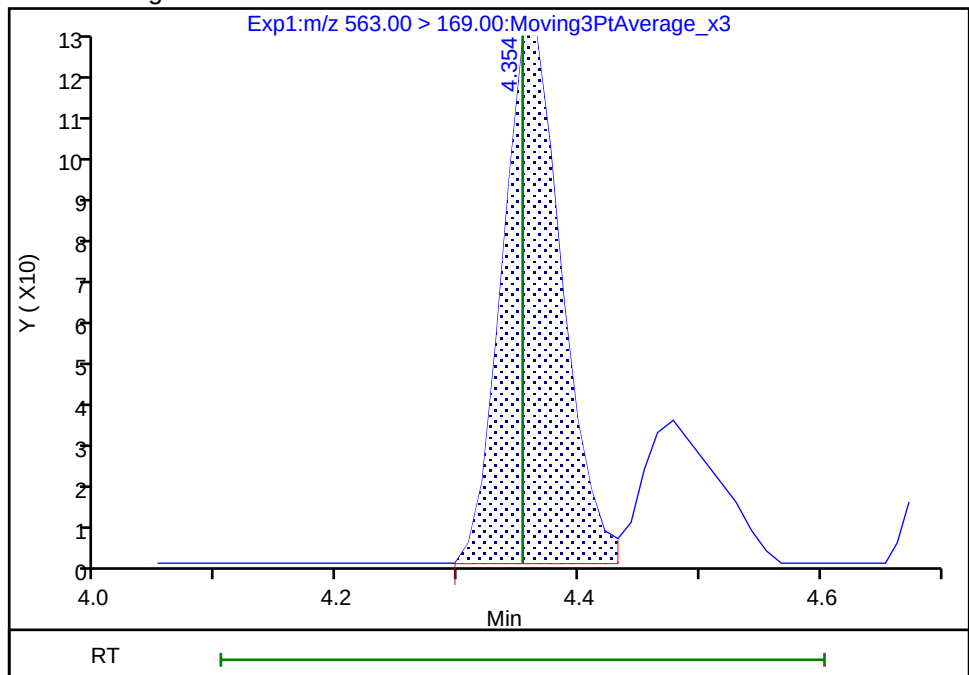
Not Detected
Expected RT: 4.35

Processing Integration Results



Manual Integration Results

RT: 4.35
Area: 448
Amount: 0.000884
Amount Units: ng/ml



Reviewer: nampitakw, 20-Dec-2022 09:16:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

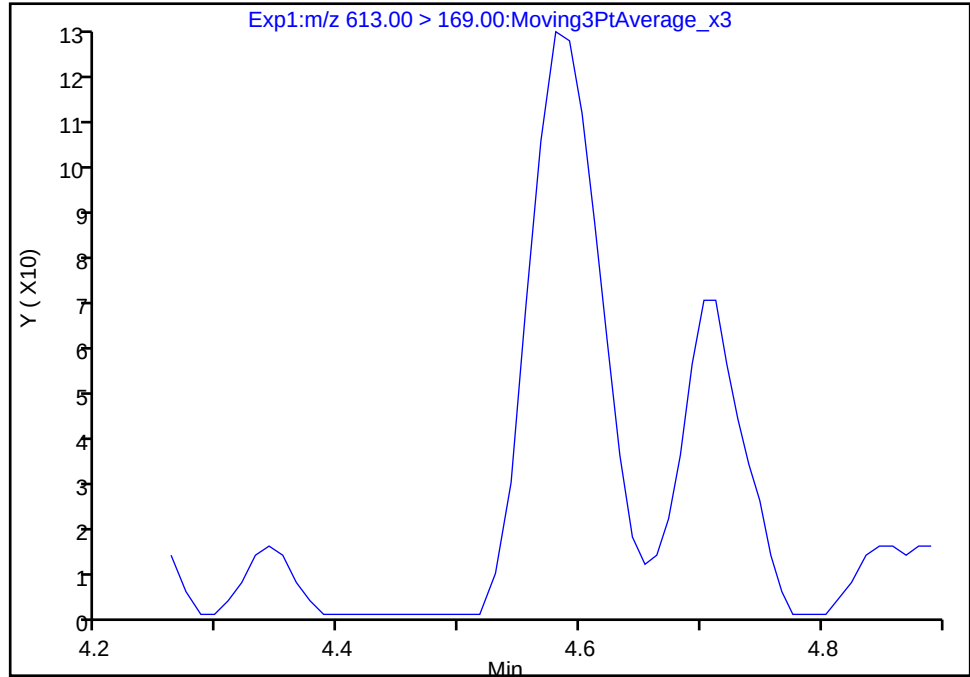
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A04.d
Injection Date: 19-Dec-2022 14:14:44 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

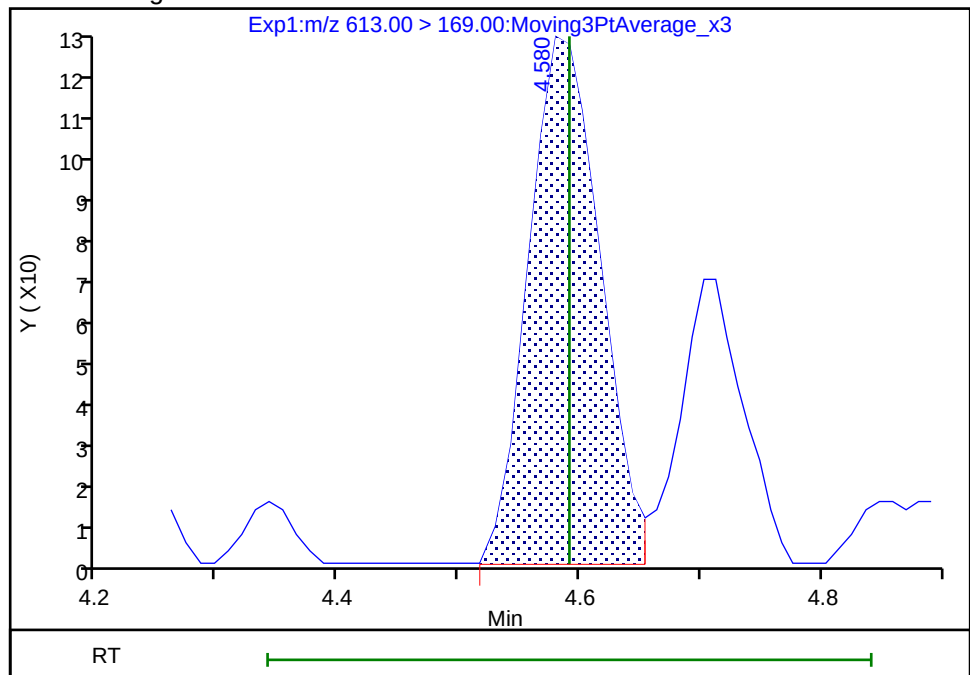
Not Detected
Expected RT: 4.59

Processing Integration Results



Manual Integration Results

RT: 4.58
Area: 525
Amount: 0.000325
Amount Units: ng/ml



Reviewer: nampitakw, 20-Dec-2022 09:17:13

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

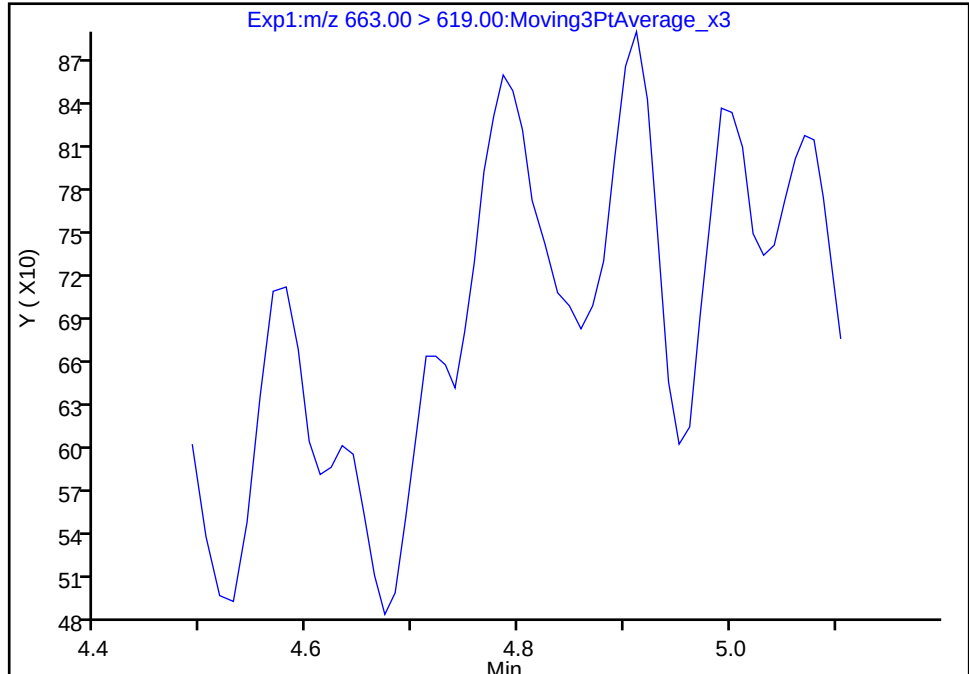
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A04.d
Injection Date: 19-Dec-2022 14:14:44 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

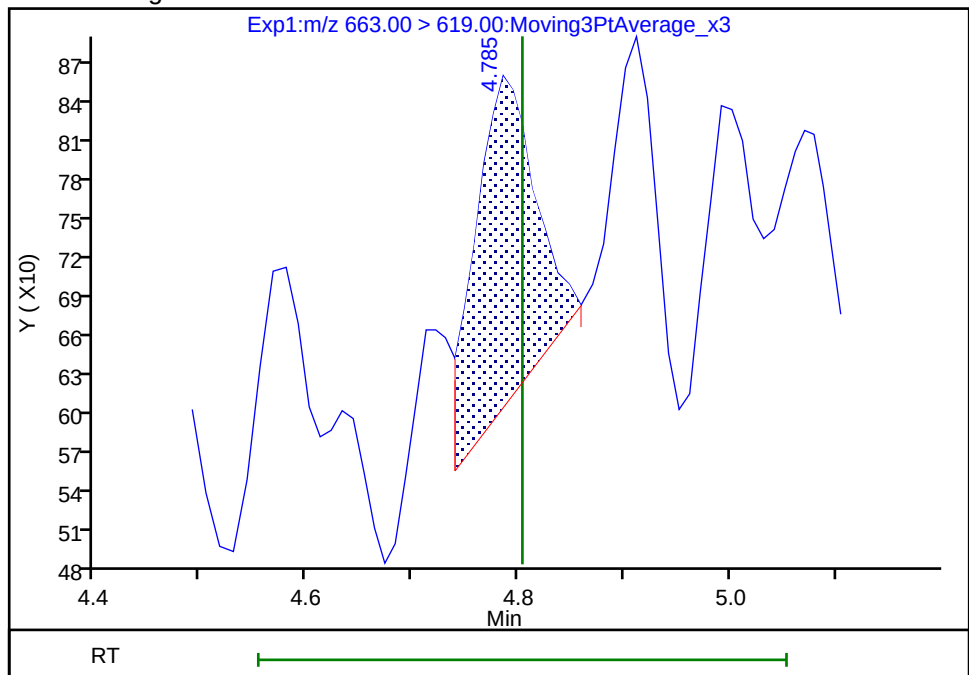
Signal: 1

Not Detected
Expected RT: 4.80

Processing Integration Results



Manual Integration Results



RT: 4.79
Area: 996
Amount: 0.000464
Amount Units: ng/ml

Reviewer: nampitakw, 20-Dec-2022 09:17:44
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

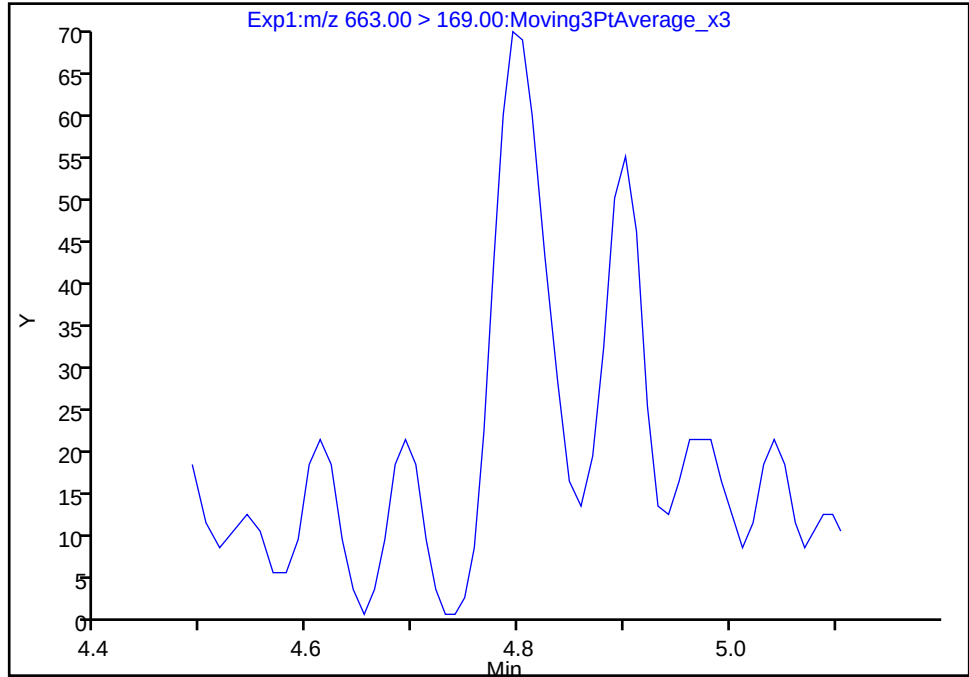
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Injection Date: 19-Dec-2022 14:14:44 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

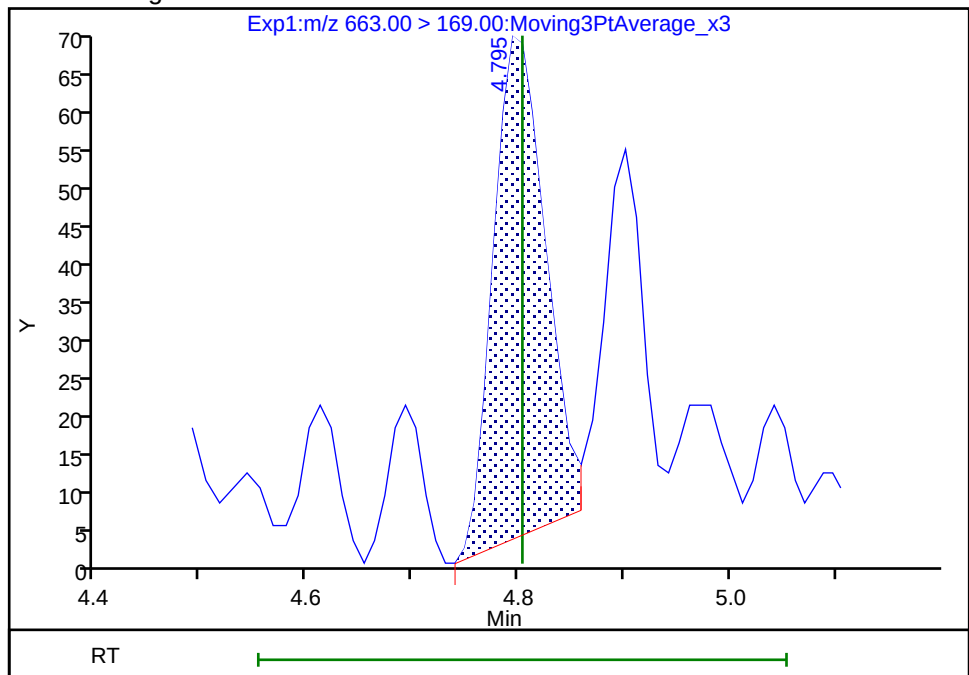
Not Detected
Expected RT: 4.80

Processing Integration Results



Manual Integration Results

RT: 4.79
Area: 228
Amount: 0.000464
Amount Units: ng/ml



Reviewer: nampitakw, 20-Dec-2022 09:17:46

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

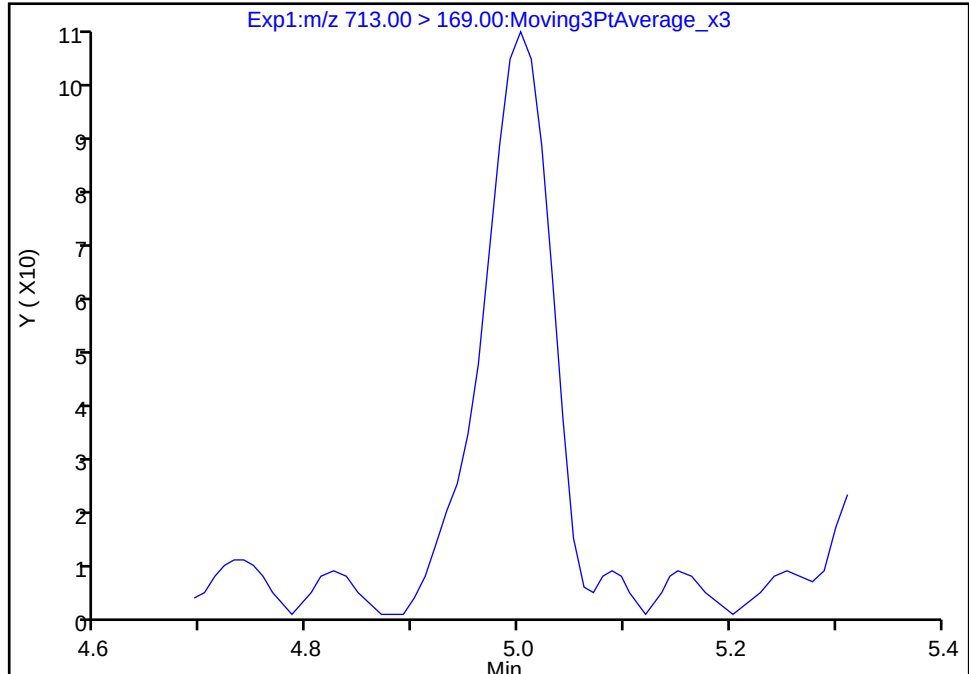
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A04.d
Injection Date: 19-Dec-2022 14:14:44 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

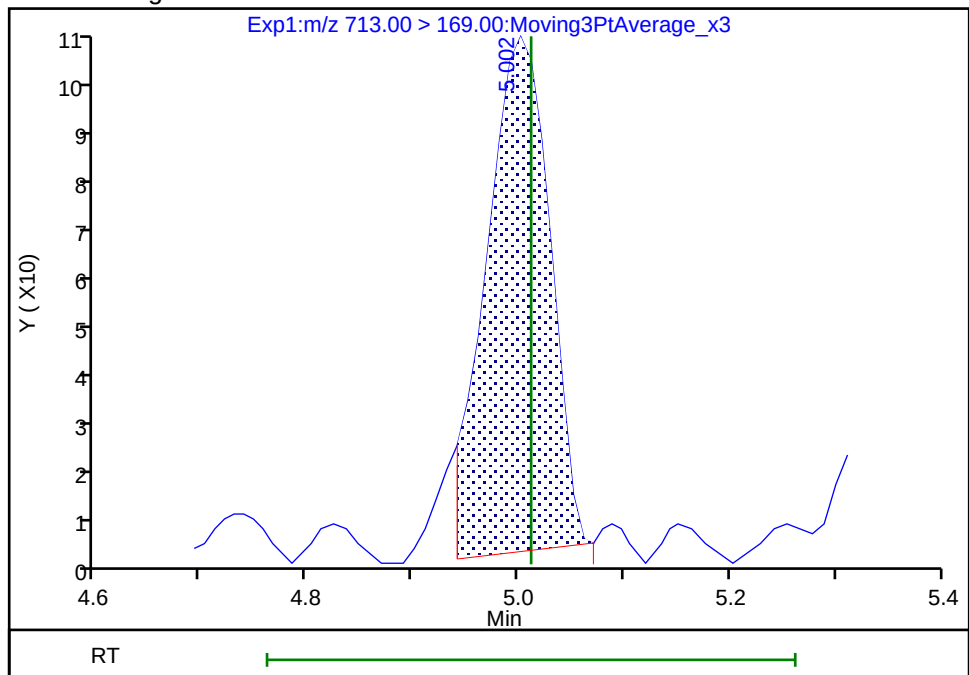
Not Detected
Expected RT: 5.01

Processing Integration Results



Manual Integration Results

RT: 5.00
Area: 435
Amount: 0.001616
Amount Units: ng/ml



Reviewer: nampitakw, 20-Dec-2022 09:17:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A04.d

Injection Date: 19-Dec-2022 14:14:44

Instrument ID: LC812

Lims ID: CCB

Client ID:

Operator ID: lc812tech

ALS Bottle#:

1

Worklist Smp#:

4

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

EXP1

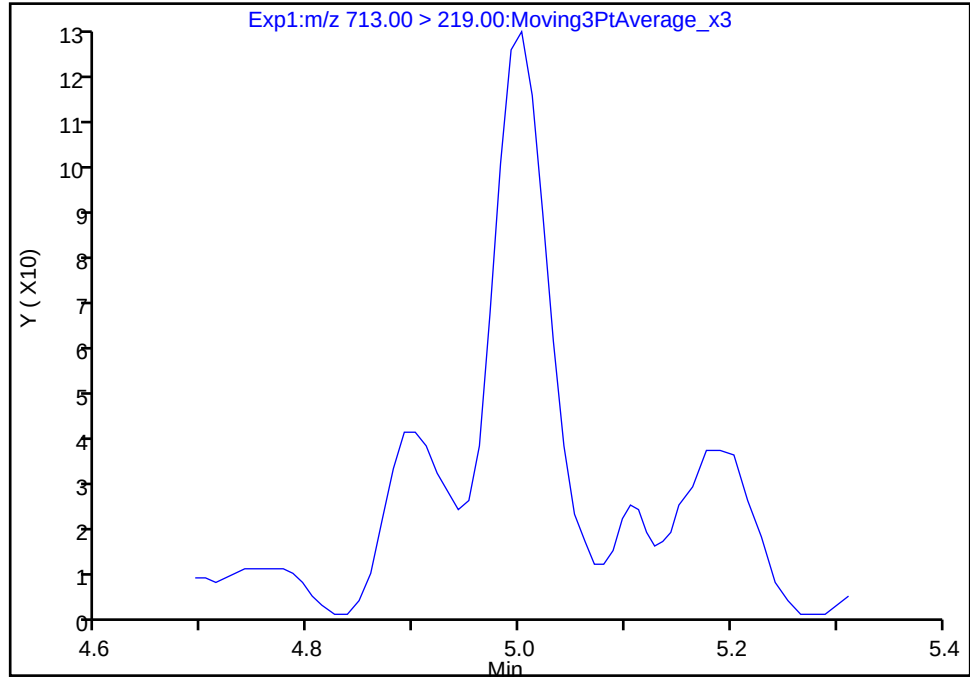
42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

Not Detected

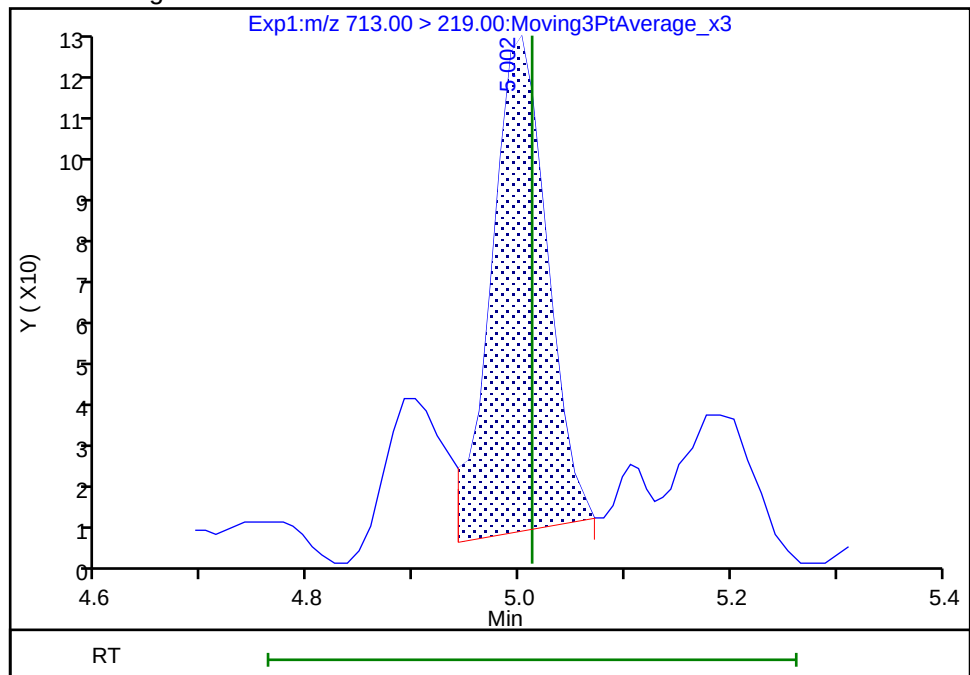
Expected RT: 5.01

Processing Integration Results



Manual Integration Results

RT: 5.00
Area: 437
Amount: 0.001616
Amount Units: ng/ml



Reviewer: nampitakw, 20-Dec-2022 09:18:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

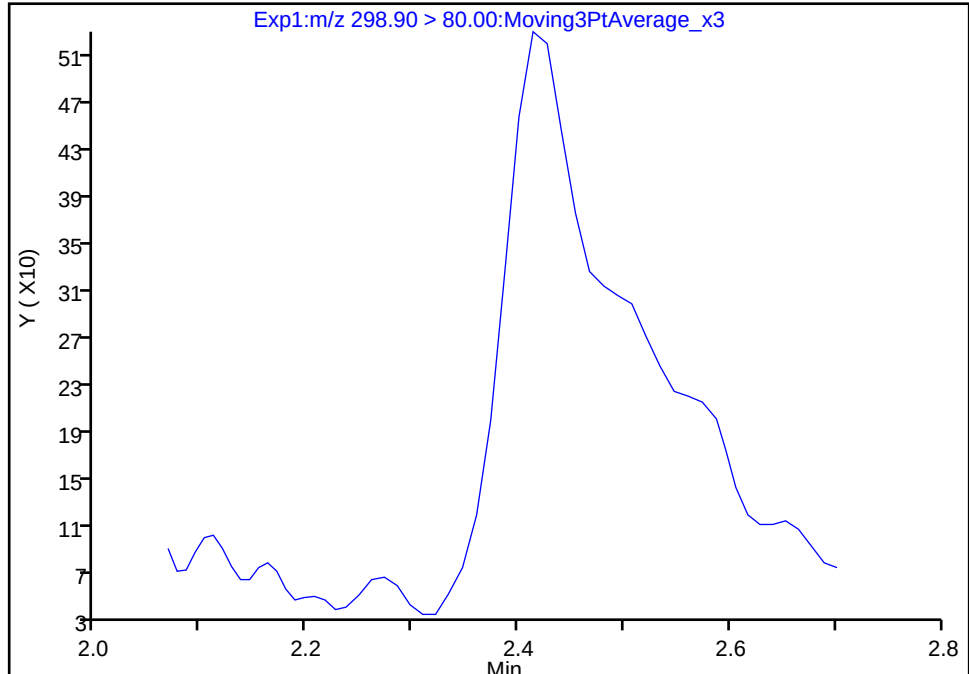
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Injection Date: 19-Dec-2022 14:14:44 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

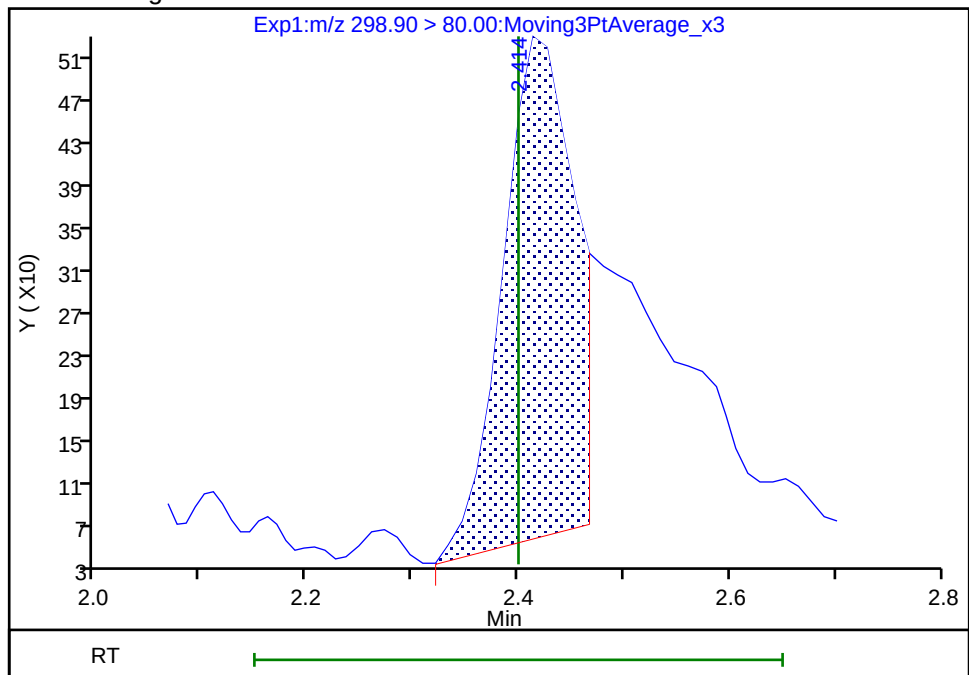
Not Detected
Expected RT: 2.40

Processing Integration Results



Manual Integration Results

RT: 2.41
Area: 2127
Amount: 0.001005
Amount Units: ng/ml



Reviewer: nampitakw, 20-Dec-2022 09:06:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

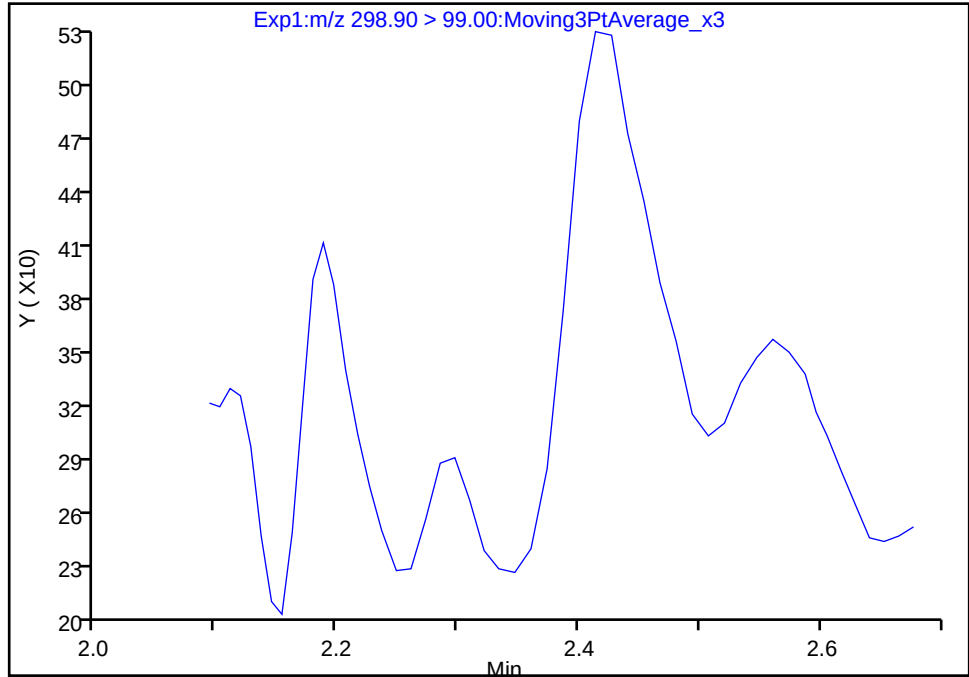
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A04.d
Injection Date: 19-Dec-2022 14:14:44 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

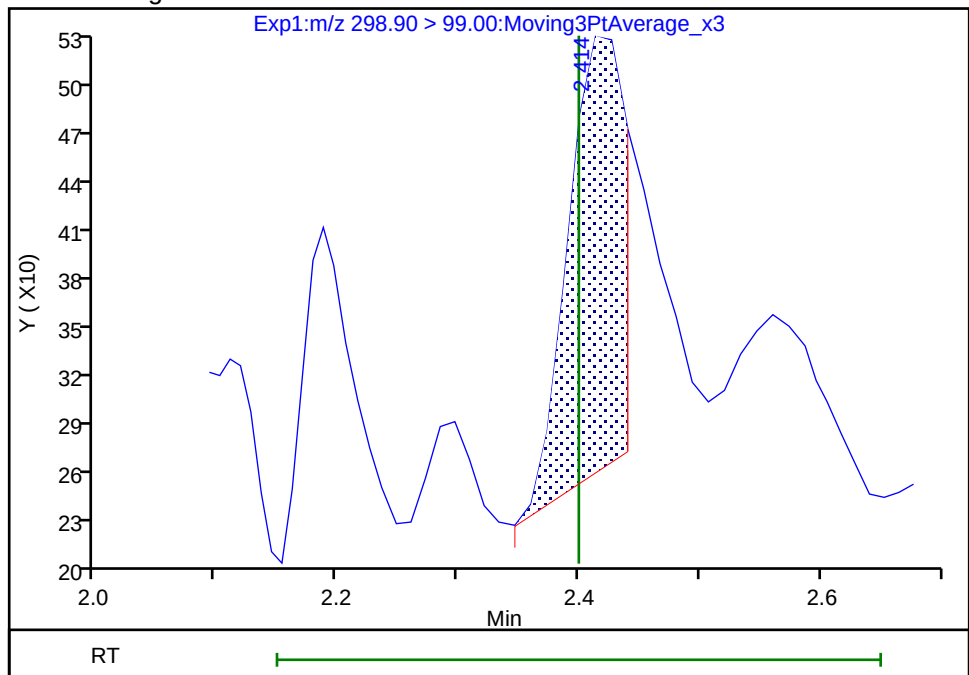
Not Detected
Expected RT: 2.40

Processing Integration Results



Manual Integration Results

RT: 2.41
Area: 814
Amount: 0.001005
Amount Units: ng/ml



Reviewer: nampitakw, 20-Dec-2022 09:06:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Page 823 of 1022

12/27/2022

2:52 PM

Eurofins Burlington

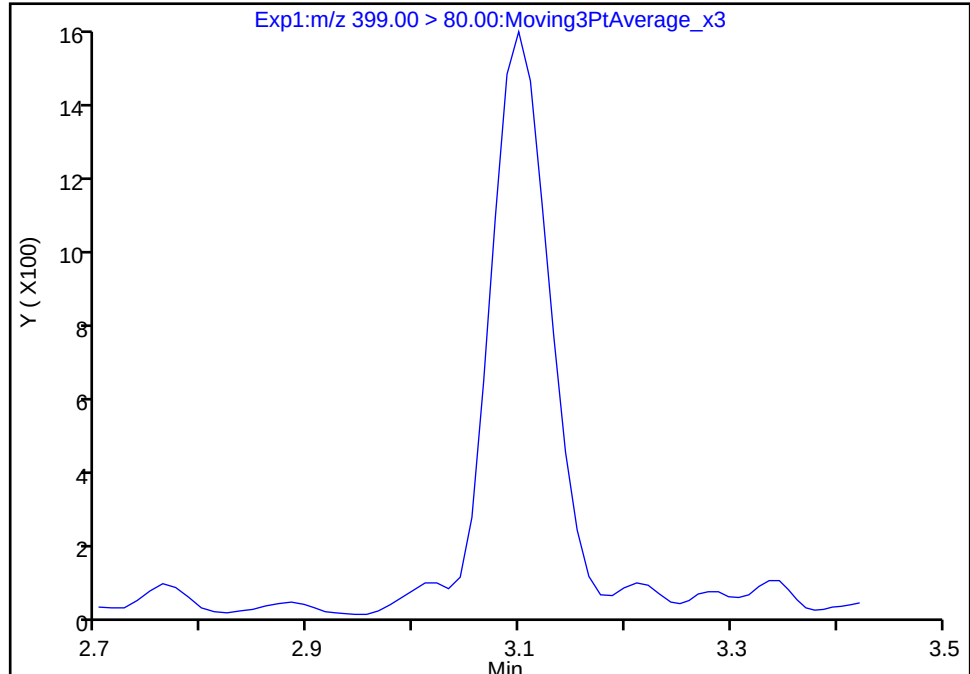
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A04.d
Injection Date: 19-Dec-2022 14:14:44 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

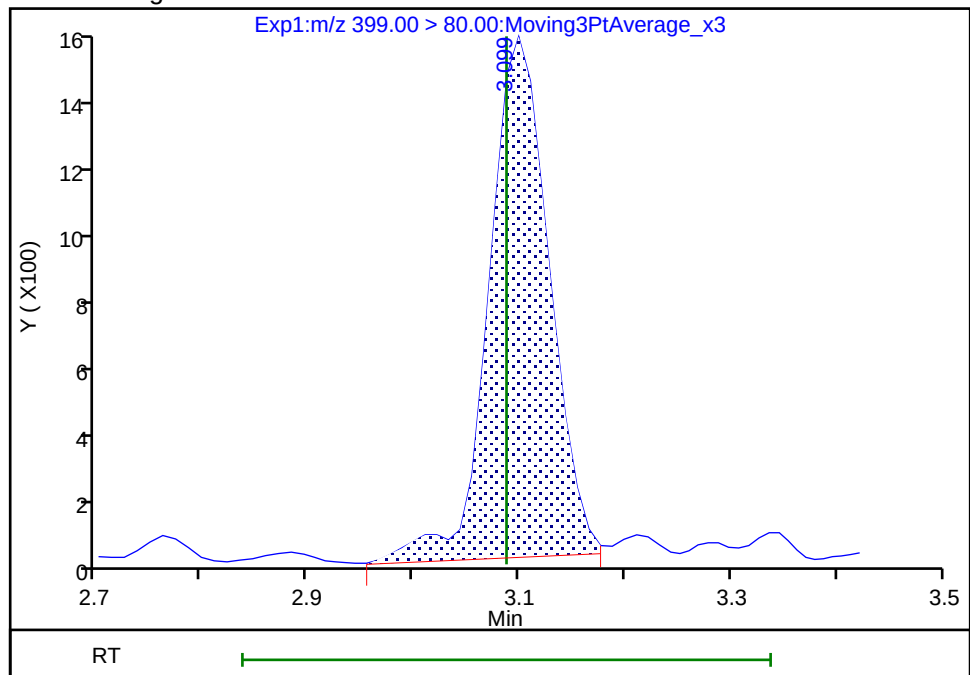
Not Detected
Expected RT: 3.09

Processing Integration Results



Manual Integration Results

RT: 3.10
Area: 5980
Amount: 0.003586
Amount Units: ng/ml



Reviewer: nampitakw, 20-Dec-2022 09:14:03

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A04.d

Injection Date: 19-Dec-2022 14:14:44

Instrument ID: LC812

Lims ID: CCB

Client ID:

Operator ID: lc812tech

ALS Bottle#:

1

Worklist Smp#:

4

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

EXP1

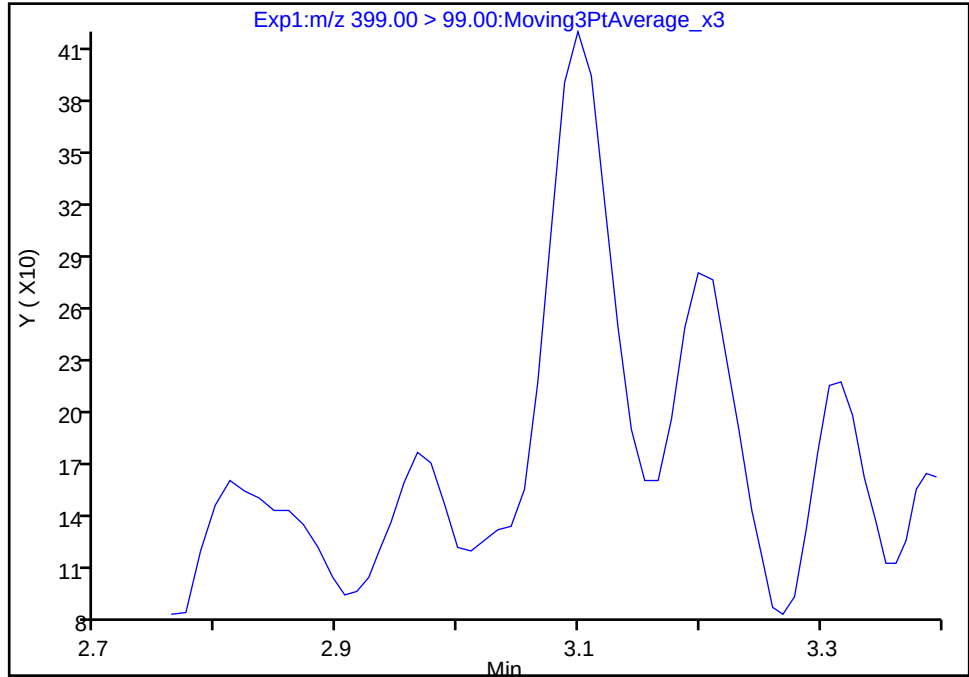
8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

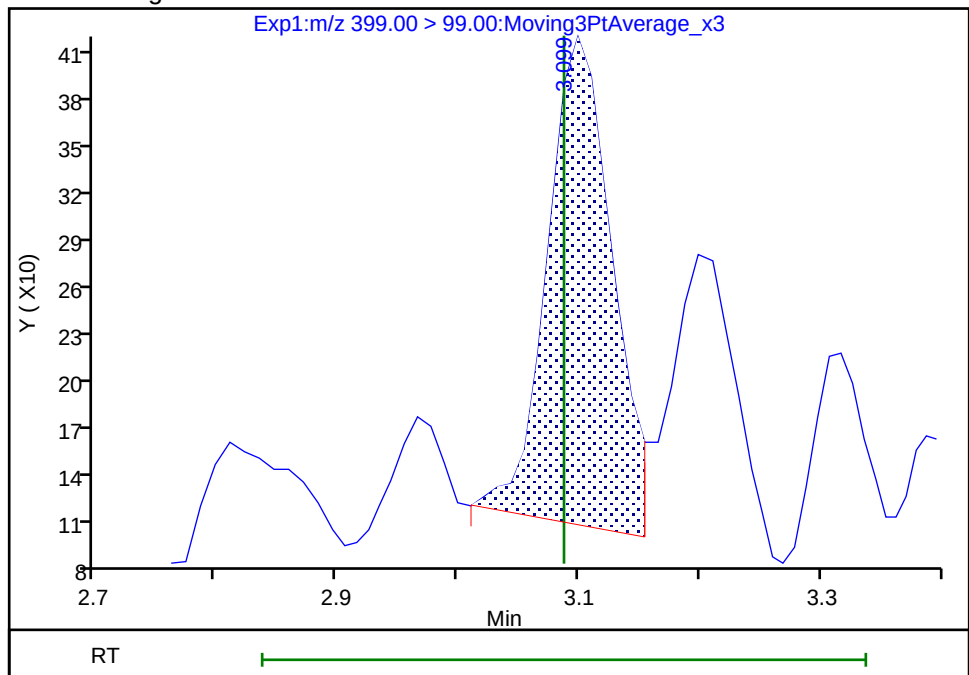
Not Detected

Expected RT: 3.09

Processing Integration Results



Manual Integration Results



RT: 3.10

Area: 1142

Amount: 0.003586

Amount Units: ng/ml

Reviewer: nampitakw, 20-Dec-2022 09:14:06

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

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12/27/2022

2:52 PM

Eurofins Burlington

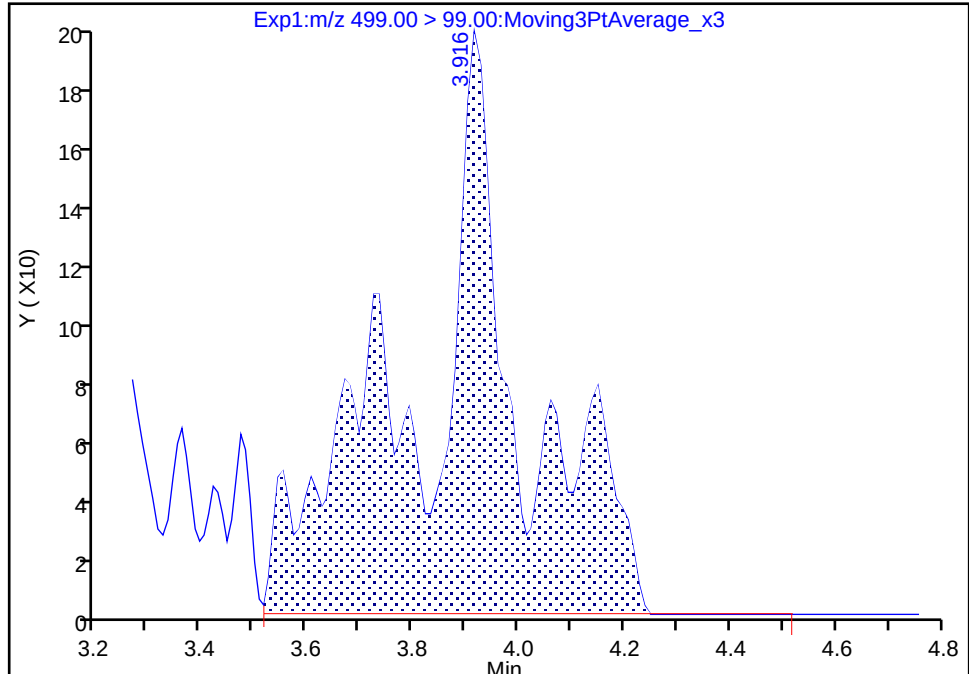
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A04.d
Injection Date: 19-Dec-2022 14:14:44 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

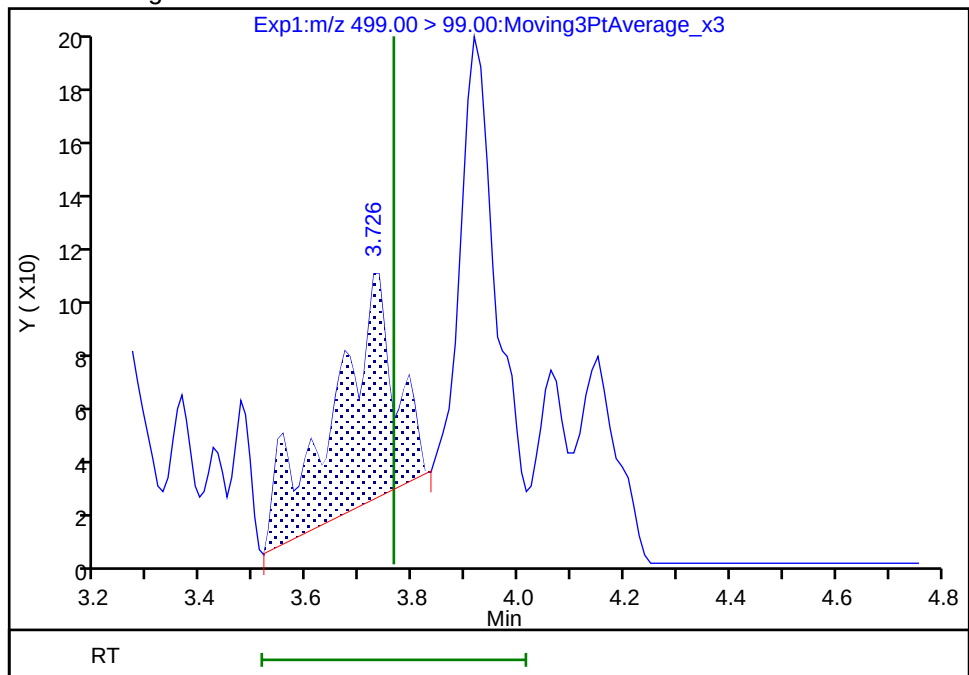
RT: 3.92
Area: 2668
Amount: 0.009780
Amount Units: ng/ml

Processing Integration Results



RT: 3.73
Area: 679
Amount: 0.002736
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:15:35
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

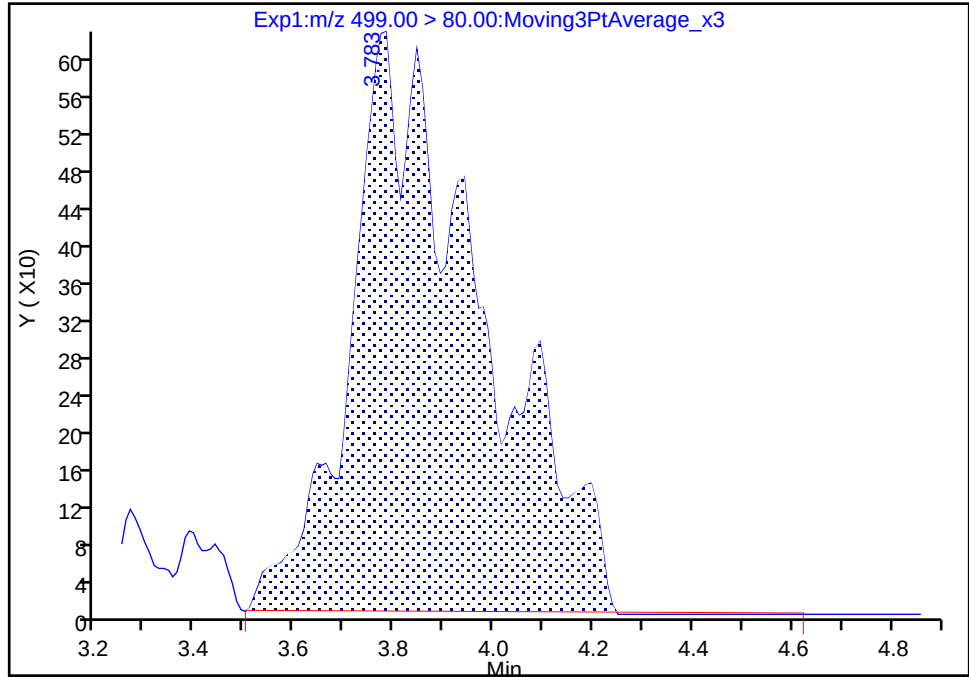
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A04.d
Injection Date: 19-Dec-2022 14:14:44 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

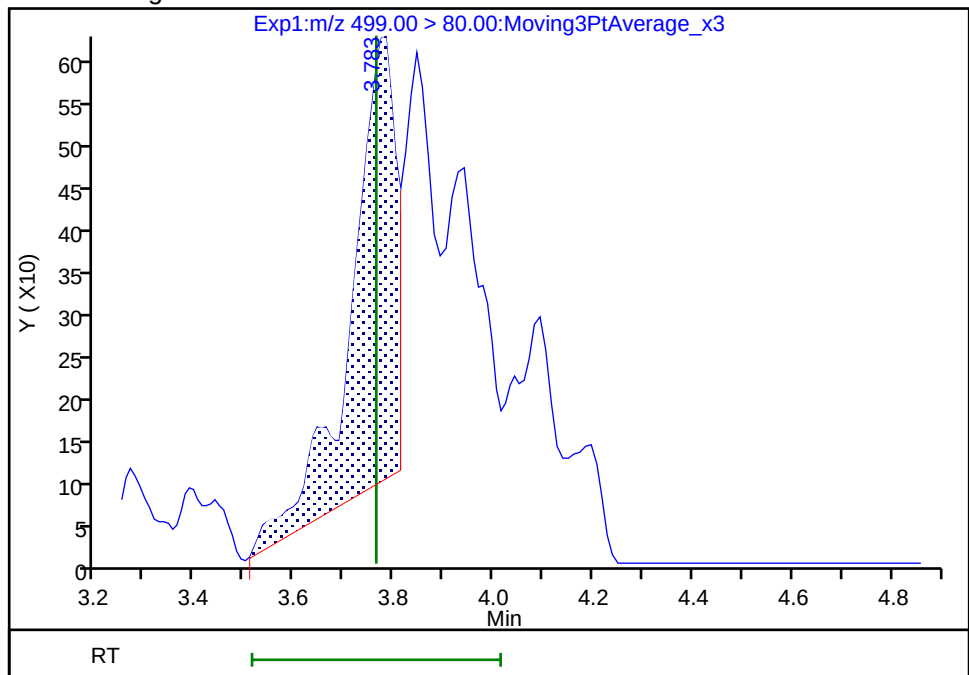
RT: 3.78
Area: 11425
Amount: 0.009780
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 3196
Amount: 0.002736
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:15:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

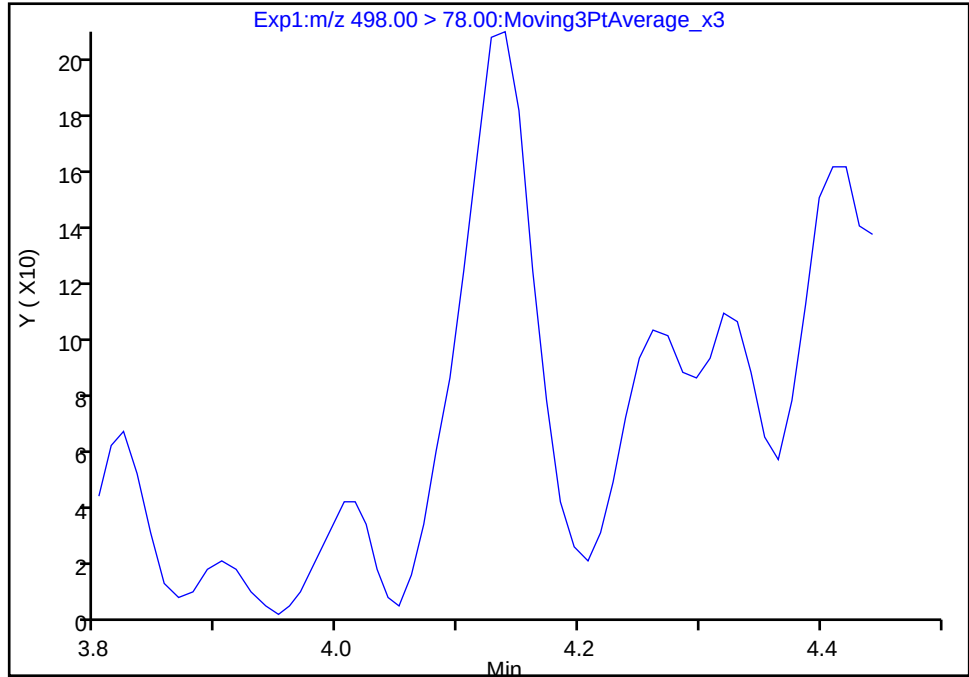
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A04.d
Injection Date: 19-Dec-2022 14:14:44 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

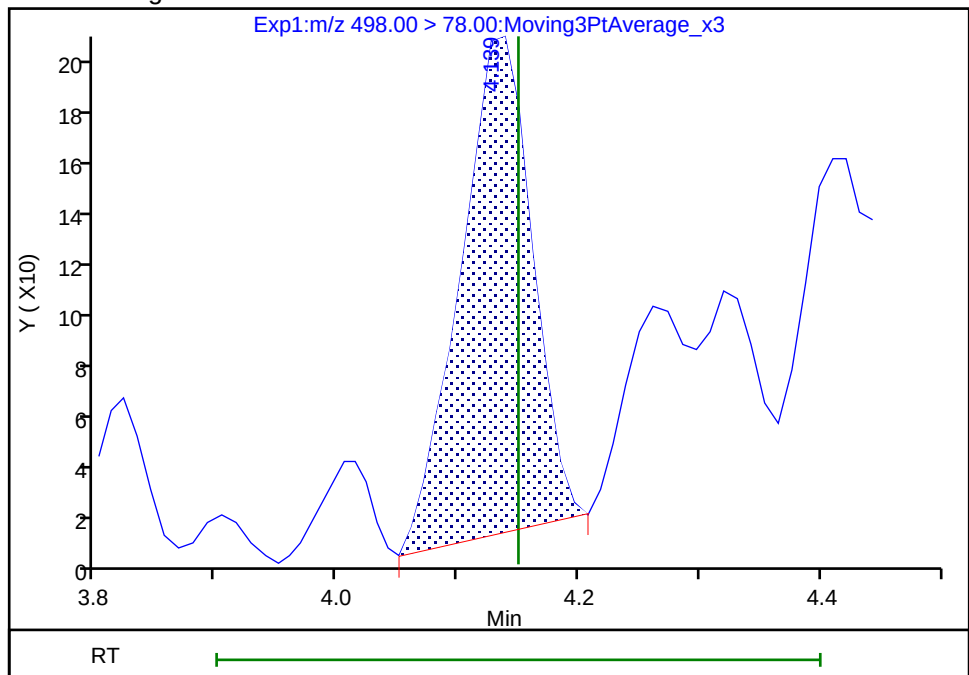
Signal: 1

Not Detected
Expected RT: 4.15

Processing Integration Results



Manual Integration Results



RT: 4.14
Area: 809
Amount: 0.000431
Amount Units: ng/ml

Reviewer: nampitakw, 20-Dec-2022 09:16:22
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

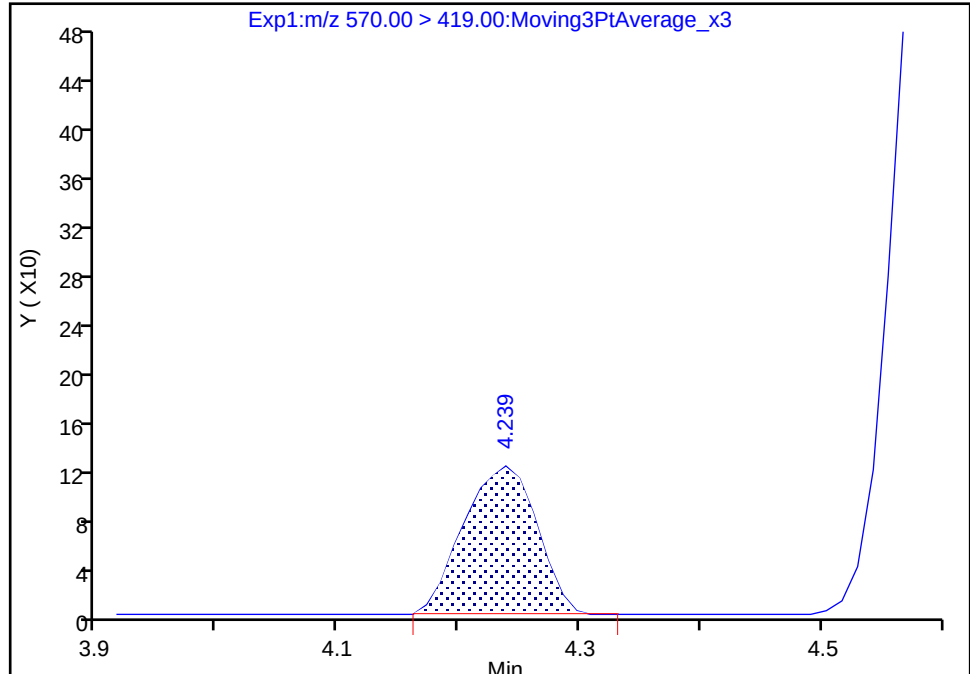
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A04.d
Injection Date: 19-Dec-2022 14:14:44 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

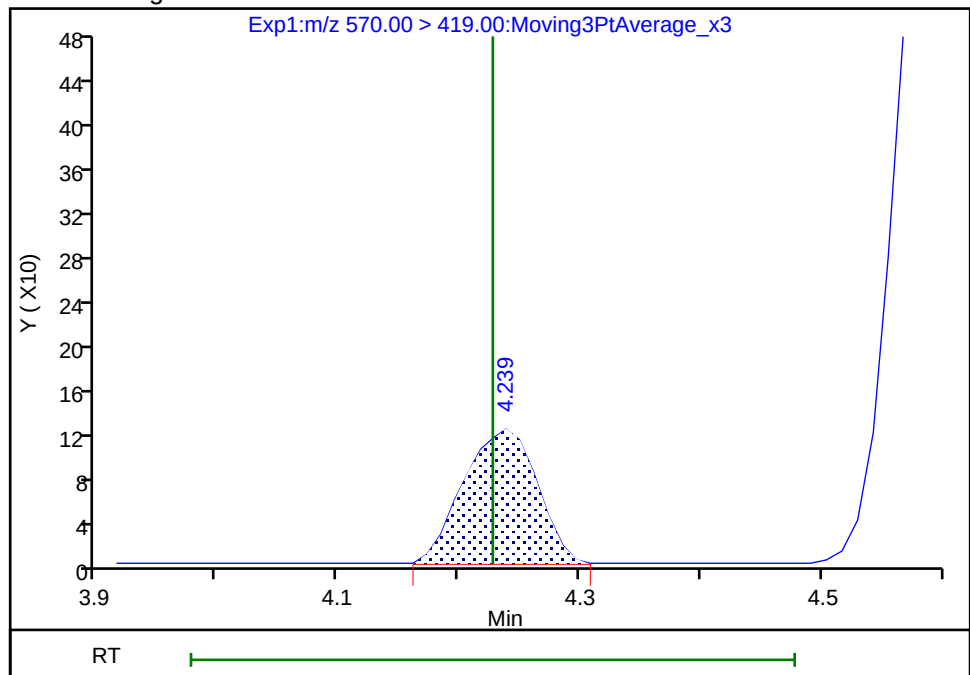
RT: 4.24
Area: 510
Amount: -0.010210
Amount Units: ng/ml

Processing Integration Results



RT: 4.24
Area: 510
Amount: -0.010210
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:16:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

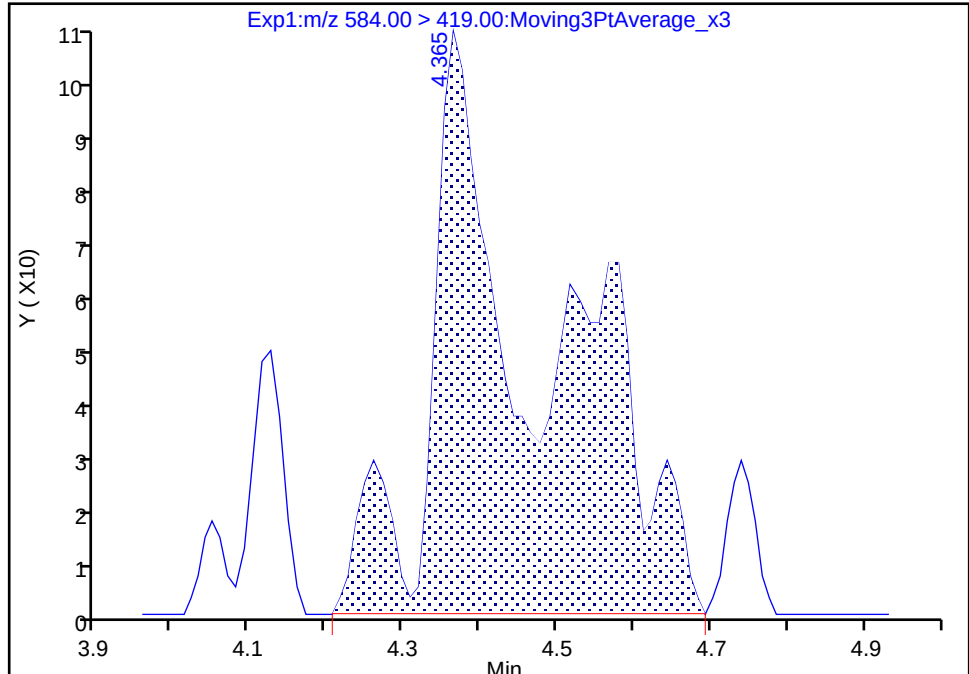
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A04.d
Injection Date: 19-Dec-2022 14:14:44 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

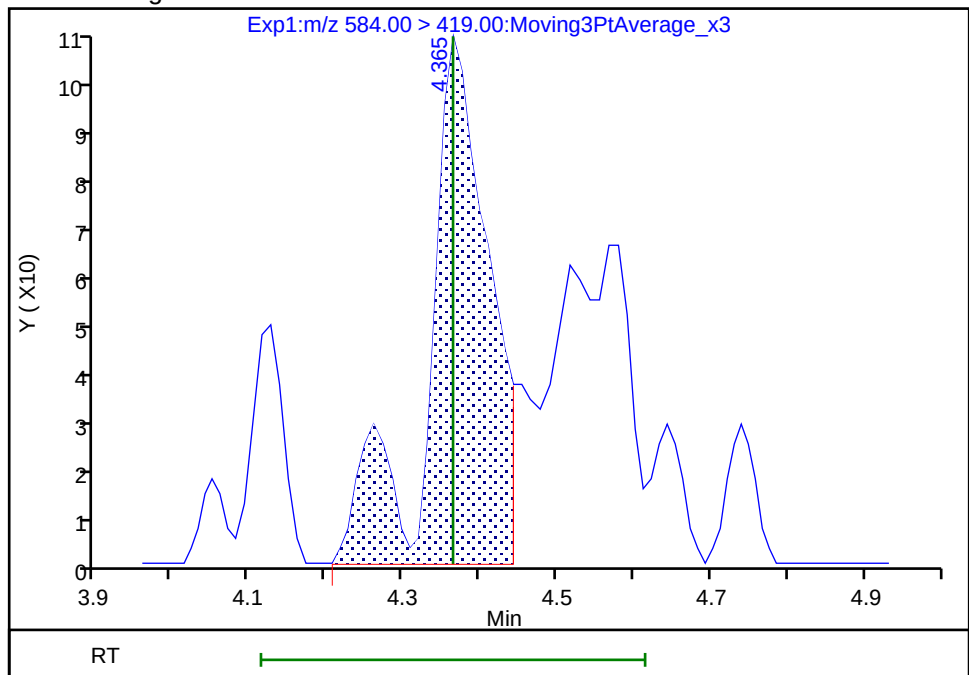
RT: 4.37
Area: 1116
Amount: 0.003012
Amount Units: ng/ml

Processing Integration Results



RT: 4.37
Area: 571
Amount: 0.001541
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:16:50
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

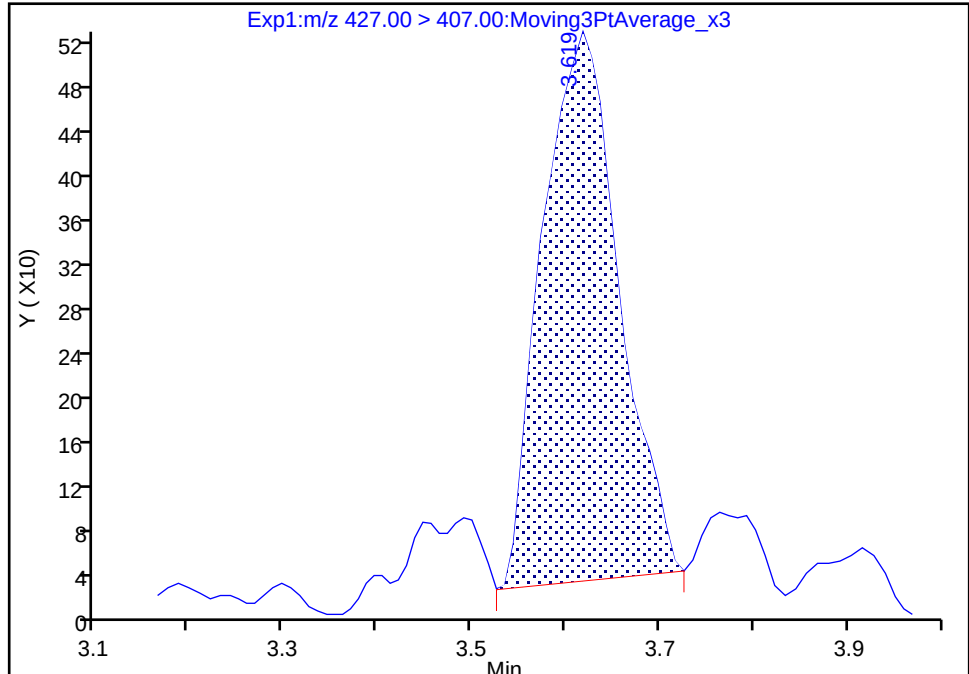
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A04.d
Injection Date: 19-Dec-2022 14:14:44 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

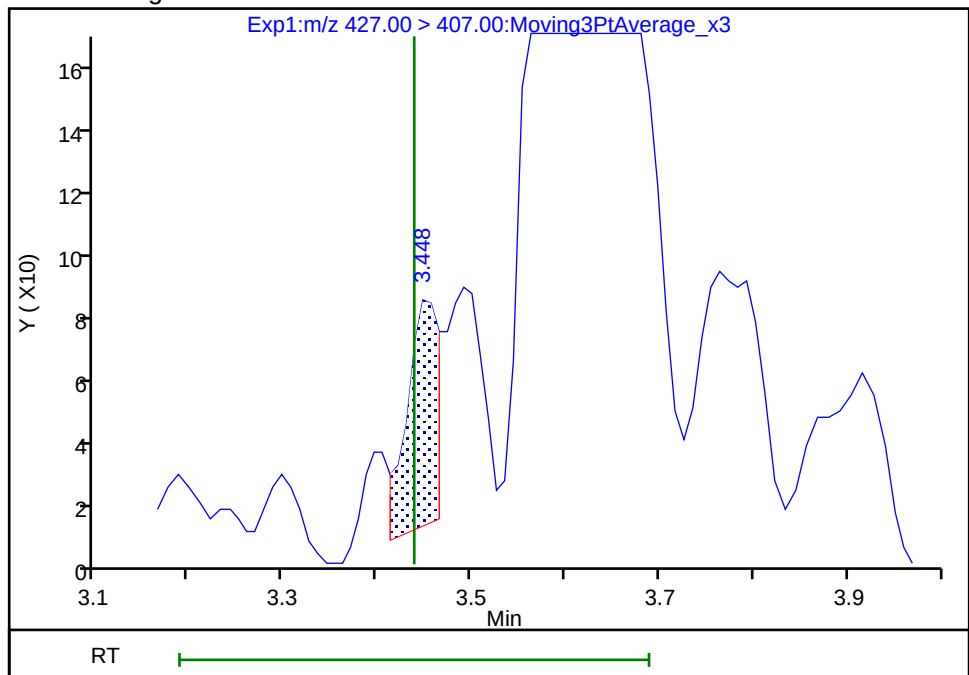
RT: 3.62
Area: 2793
Amount: -0.006308
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 154
Amount: -0.011566
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:14:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A04.d

Injection Date: 19-Dec-2022 14:14:44

Instrument ID: LC812

Lims ID: CCB

Client ID:

Operator ID: lc812tech

ALS Bottle#:

1

Worklist Smp#: 4

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector: EXP1

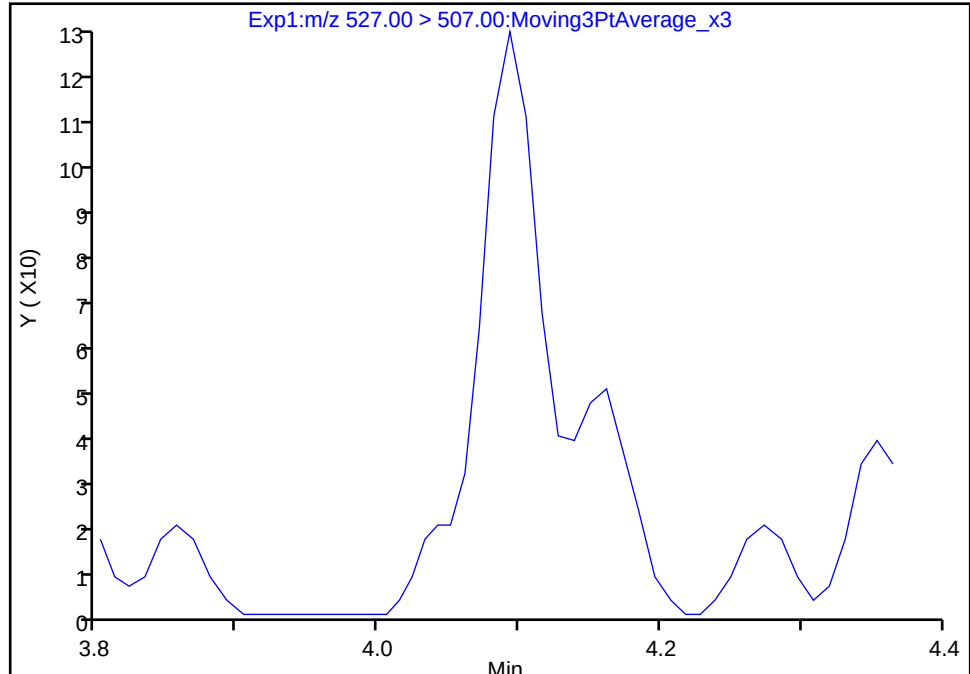
25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

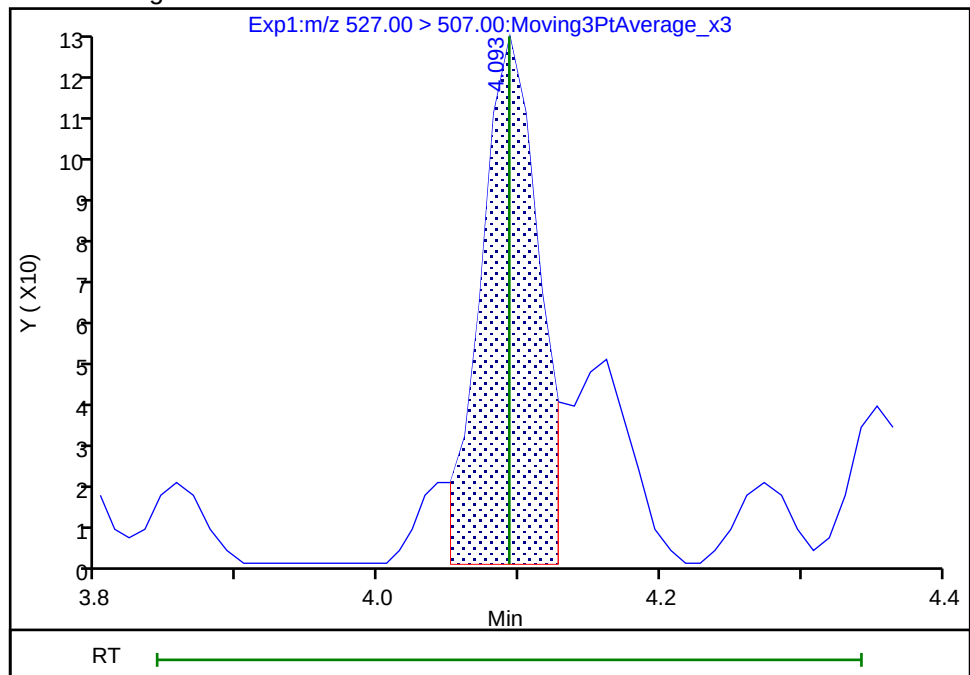
Not Detected

Expected RT: 4.09

Processing Integration Results



Manual Integration Results



RT: 4.09

Area: 345

Amount: 0.000767

Amount Units: ng/ml

Reviewer: nampitakw, 20-Dec-2022 09:16:18

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

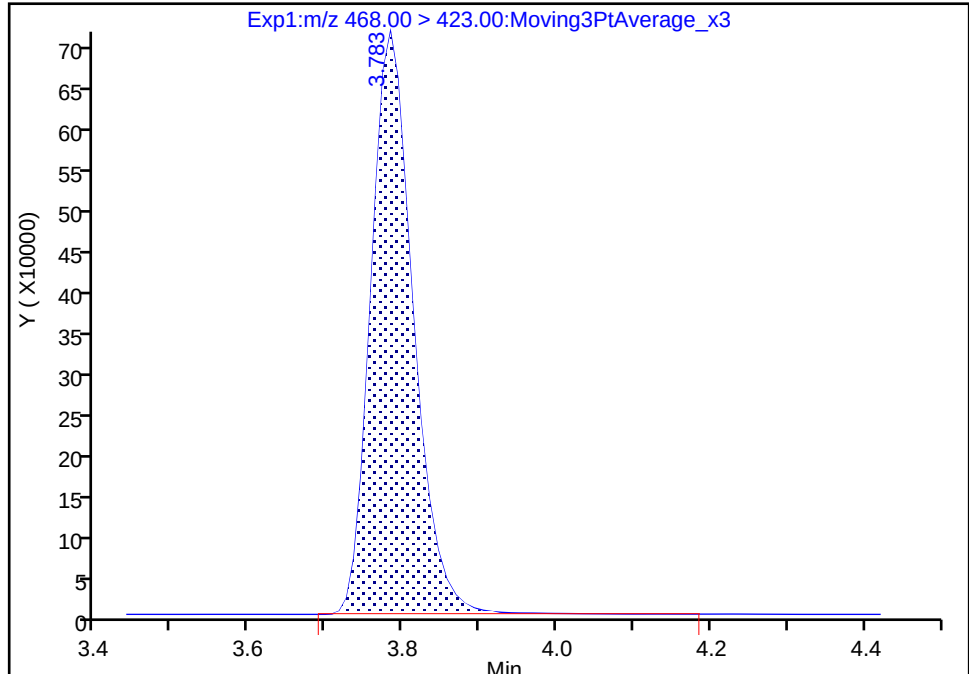
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A04.d
Injection Date: 19-Dec-2022 14:14:44 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

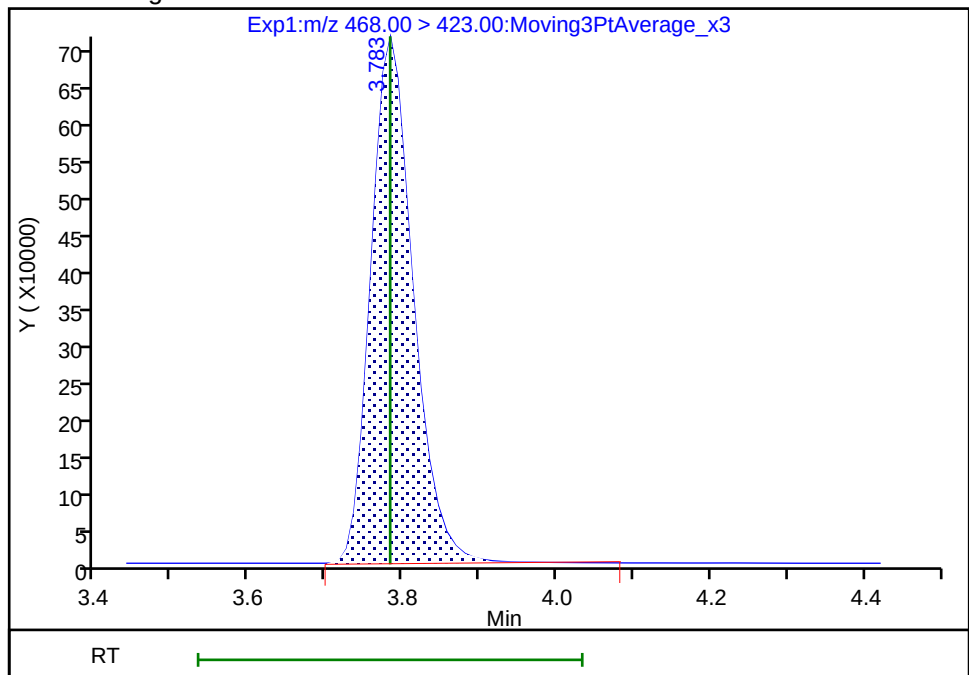
RT: 3.78
Area: 2750501
Amount: 1.395365
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 2746898
Amount: 1.393537
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:01:48

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

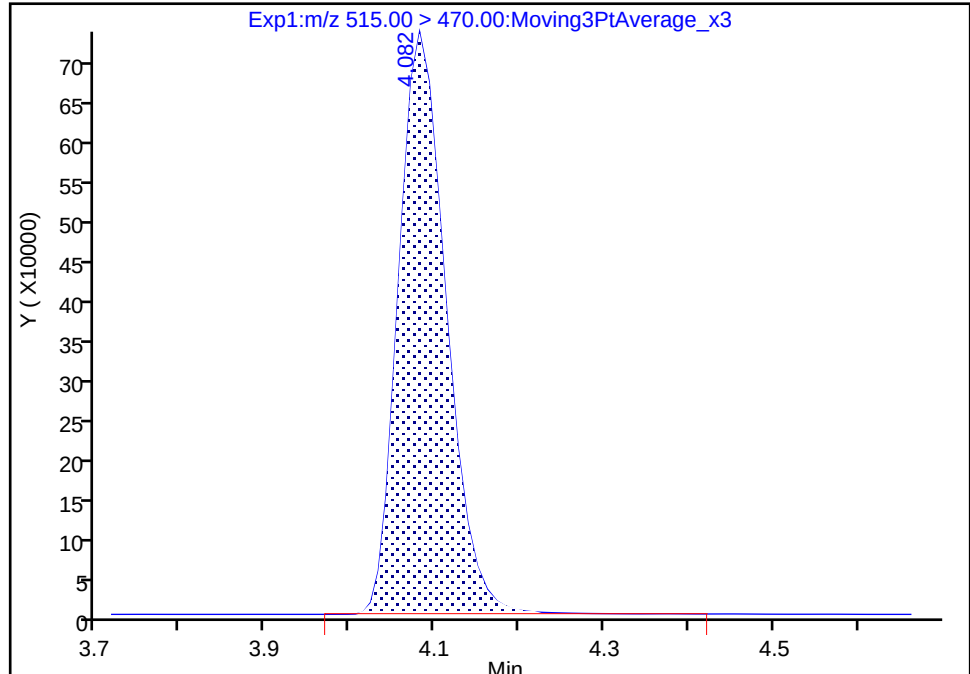
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A04.d
Injection Date: 19-Dec-2022 14:14:44 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

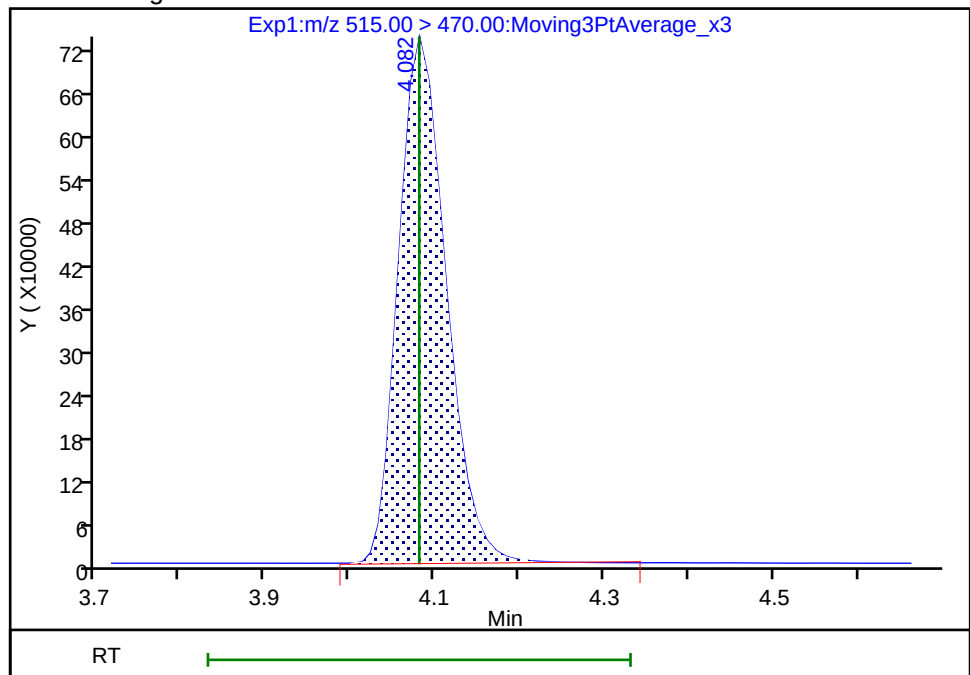
RT: 4.08
Area: 2865289
Amount: 1.426459
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 2861115
Amount: 1.424381
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:01:54

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

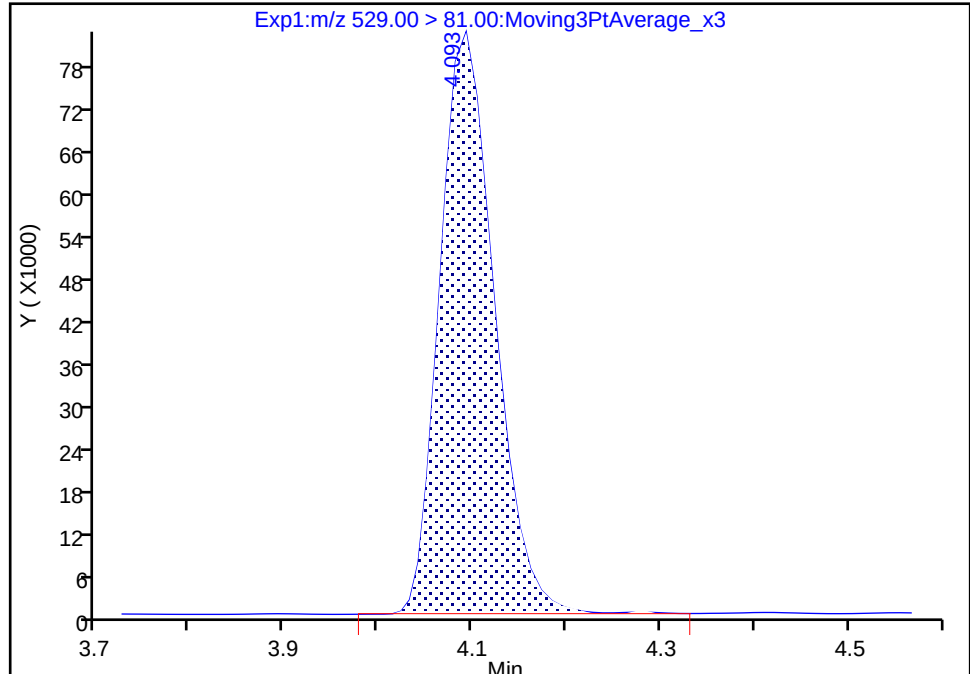
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A04.d
Injection Date: 19-Dec-2022 14:14:44 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 26 M2-8:2 FTS, CAS: STL02280

Signal: 1

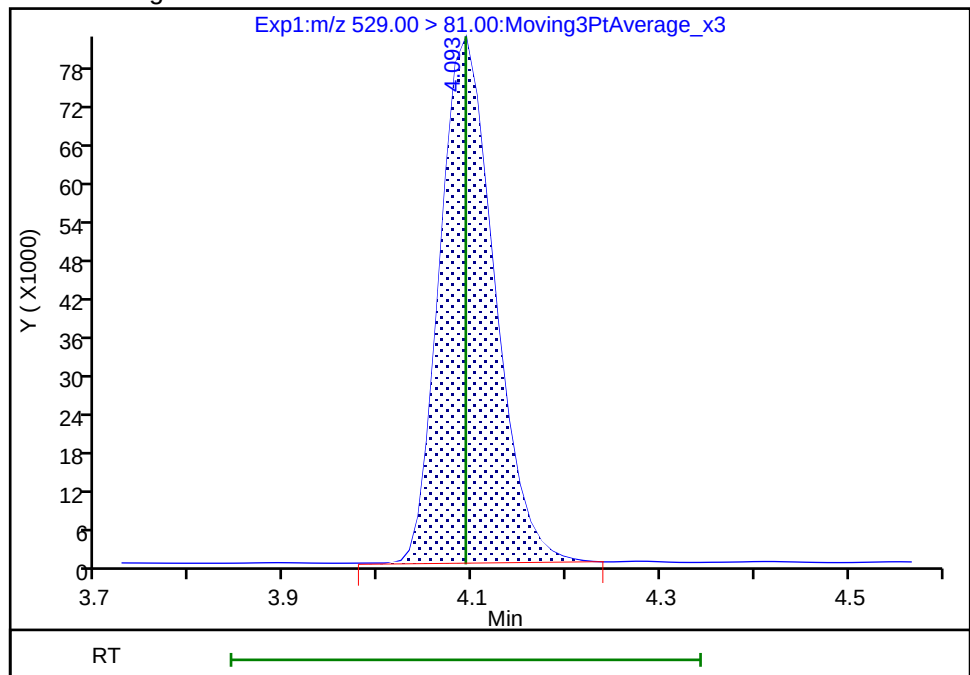
RT: 4.09
Area: 333713
Amount: 1.227865
Amount Units: ng/ml

Processing Integration Results



RT: 4.09
Area: 333033
Amount: 1.225363
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:01:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

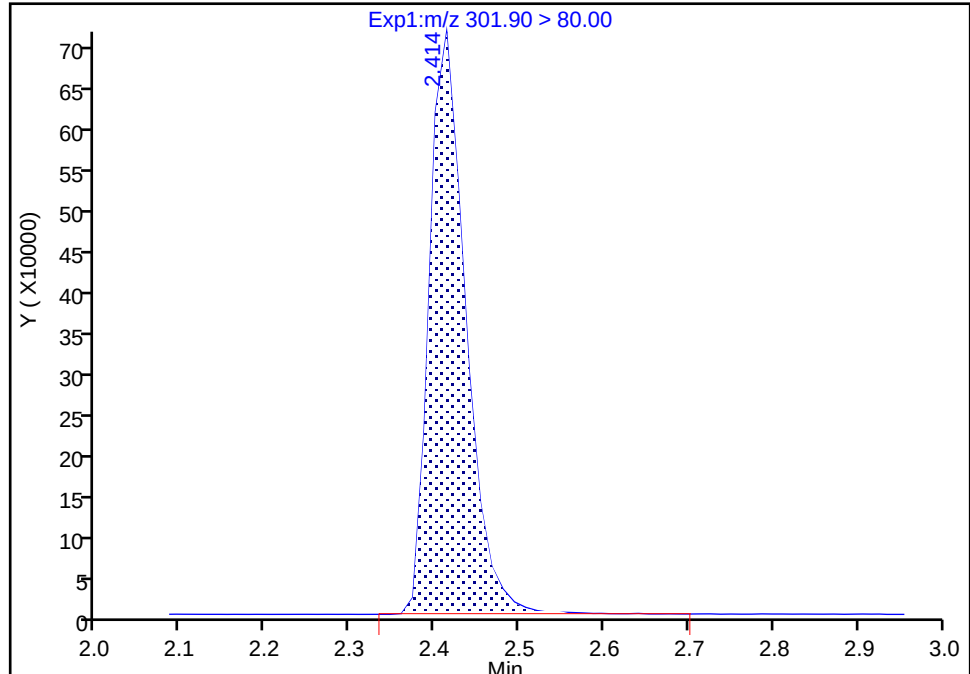
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53735.b\PA221219A04.d
Injection Date: 19-Dec-2022 14:14:44 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

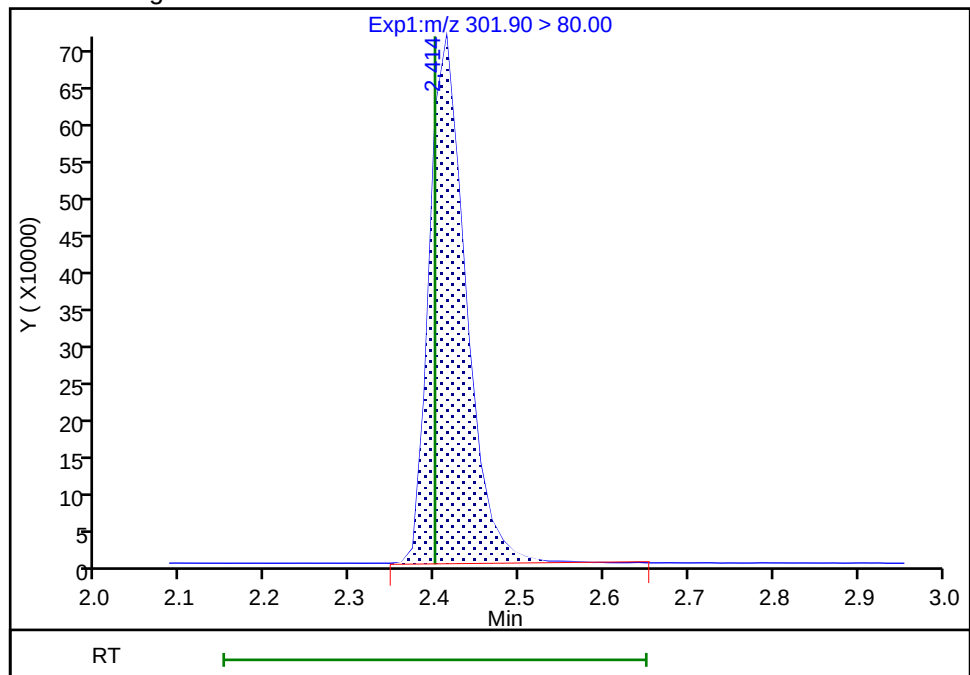
RT: 2.41
Area: 2152329
Amount: 1.183280
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 2150290
Amount: 1.182159
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 20-Dec-2022 09:00:50

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-271302-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: ICB 200-185958/11

Matrix: Solid Lab File ID: PA221118ICAL11.d

Analysis Method: 537 (modified) Date Collected: _____

Extraction Method: _____ Date Extracted: _____

Sample wt/vol: 1 (mL) Date Analyzed: 11/18/2022 15:18

Con. Extract Vol.: 1 (mL) Dilution Factor: 1

Injection Volume: 20 (uL) GC Column: C-18 ID: 4.6 (mm)

% Moisture: _____ % Solids: _____ GPC Cleanup: (Y/N) N

Cleanup Factor: _____

Analysis Batch No.: 185958 Units: ng/mL

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.13	U	0.13	0.030
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.050	U	0.050	0.017
307-24-4	Perfluorohexanoic acid (PFHxA)	0.050	U	0.050	0.016
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.050	U	0.050	0.014
335-67-1	Perfluorooctanoic acid (PFOA)	0.050	U	0.050	0.019
375-95-1	Perfluorononanoic acid (PFNA)	0.050	U	0.050	0.012
335-76-2	Perfluorodecanoic acid (PFDA)	0.050	U	0.050	0.012
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.050	U	0.050	0.014
307-55-1	Perfluorododecanoic acid (PFDoA)	0.050	U	0.050	0.012
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.050	U	0.050	0.012
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.050	U	0.050	0.016
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.050	U	0.050	0.016
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.050	U	0.050	0.014
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.050	U	0.050	0.010
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.050	U	0.050	0.021
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.050	U	0.050	0.010
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.050	U	0.050	0.023
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.13	U	0.13	0.048
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.13	U	0.13	0.040
27619-97-2	6:2 FTS	0.13	U	0.13	0.032
39108-34-4	8:2 FTS	0.050	U	0.050	0.020

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-271302-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: ICB 200-185958/11
 Matrix: Solid Lab File ID: PA221118ICAL11.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1 (mL) Date Analyzed: 11/18/2022 15:18
 Con. Extract Vol.: 1 (mL) Dilution Factor: 1
 Injection Volume: 20 (uL) GC Column: C-18 ID: 4.6 (mm)
 % Moisture: _____ % Solids: _____ GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 185958 Units: ng/mL

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	108		50-150
STL01892	13C4 PFHpA	108		50-150
STL00990	13C4 PFOA	105		50-150
STL00991	13C4 PFOS	111		50-150
STL00995	13C5 PFNA	107		50-150
STL00992	13C4 PFBA	106		50-150
STL00993	13C2 PFHxA	109		50-150
STL00996	13C2 PFDA	105		50-150
STL00997	13C2 PFUnA	107		50-150
STL00998	13C2 PFDoA	107		50-150
STL01056	13C8 FOSA	107		50-150
STL01893	13C5 PFPeA	109		50-150
STL02116	13C2 PFTeDA	107		50-150
STL02118	d3-NMeFOSAA	108		50-150
STL02117	d5-NEtFOSAA	107		50-150
STL02279	M2-6:2 FTS	114		50-150
STL02280	M2-8:2 FTS	108		50-150
STL02337	13C3 PFBS	106		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
 Lims ID: ICB
 Client ID:
 Sample Type: ICB
 Inject. Date: 18-Nov-2022 15:18:56 ALS Bottle#: 8 Worklist Smp#: 11
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: ICB
 Misc. Info.: 200-0053396-011 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 21-Nov-2022 08:33:11 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1621

First Level Reviewer: Z1IP

Date: 21-Nov-2022 08:27:16

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										M
217.00 > 172.00	2.076	2.076	0.0	0.602	2690789	1.32		106	7033	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.093	2.076	0.017	1.008	10011	0.004510			1.5	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.386	2.387	-0.001	0.692	2109113	1.36		109	4718	
D 47 13C3 PFBS										
301.90 > 80.00	2.400	2.400	0.0	0.696	2084598	1.24		106	323076	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.400	2.400	0.0	1.000	4101	0.001999	Target=2.09		7.4	M
298.90 > 99.00	2.400	2.400	0.0	1.000	1875		2.19(1.04-3.13)		1.5	M
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.689	2.689	0.0	1.000	1019	0.002019			19.6	M
D 60 M2-4:2 FTS										
329.00 > 81.00	2.689	2.689	0.0	0.780	191220	1.28		110	184	
D 7 13C2 PFHxA										
315.00 > 270.00	2.725	2.725	0.0	0.790	2220169	1.37		109	4126	
67 Perfluoro(2-propoxypropanoic) ac										
285.00 > 169.00	2.835	2.835	0.0	1.000	736	0.002396			6.3	
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.835	2.835	0.0	0.822	363682	1.27		101	2231	
D 11 18O2 PFHxS										
403.00 > 84.00	3.088	3.088	0.0	0.896	1571887	1.28		108	5837	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.088	3.088	0.0	1.000	7928	0.005284	Target=3.66		7.2	M
399.00 > 99.00	3.088	3.088	0.0	1.000	2543		3.12(1.83-5.49)		2.9	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.088	3.099	-0.011	0.896	2249421	1.35		108	5872	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.088	3.099	-0.011	1.000	5399	0.002756	Target=3.97		1.3	
363.00 > 169.00	3.099	3.099	0.0	1.004	1444		3.74(1.98-5.95)		4.1	
77 DONA										
377.00 > 251.00	3.132	3.132	0.0	0.832	7131	0.001403	Target=3.16		10.3	
377.00 > 85.00	3.132	3.132	0.0	0.832	2232		3.19(1.58-4.73)		4.5	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.439	3.439	0.0	0.997	278131	1.35		114	814	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.447	3.439	0.008	1.003	978	-0.009896			6.1	
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.430	3.439	-0.009	0.911	1731	0.001343	Target=5.14		7.5	M
449.00 > 99.00	3.430	3.439	-0.009	0.911	631		2.74(2.57-7.72)		4.2	M
D 14 13C4 PFOA										
417.00 > 372.00	3.447	3.448	-0.001	1.000	2473585	1.32		105	5945	
* 62 13C2 PFOA										
415.00 > 370.00	3.447	3.448	-0.001		2270634	1.25			5212	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.465	3.448	0.017	1.005	5314	0.002512	Target=2.79		0.5	M
413.00 > 169.00	3.447	3.448	-0.001	1.000	2152		2.47(1.40-4.19)		3.8	M
D 18 13C4 PFOS										
503.00 > 80.00	3.764	3.764	0.0	1.092	1102903	1.32		111	5728	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.773	3.764	0.009	1.003	6863	0.006115	Target=5.11		1.4	RM
499.00 > 99.00	3.754	3.764	-0.010	0.997	740		9.27(2.55-7.66)		1.0	RM
20 Perfluorononanoic acid										
463.00 > 419.00	3.783	3.783	0.0	1.000	4415	0.002181	Target=8.55		1.1	RM
463.00 > 169.00	3.783	3.783	0.0	1.000	175		25.23(4.28-12.83)		2.8	M
D 19 13C5 PFNA										
468.00 > 423.00	3.783	3.783	0.0	1.097	2439752	1.34		107	5749	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.928	3.928	0.0	1.044	3591	0.001394			17.8	
D 23 13C2 PFDA										
515.00 > 470.00	4.081	4.081	0.0	1.184	2433918	1.31		105	4864	
24 Perfluorodecanoic acid										
513.00 > 469.00	4.081	4.081	0.0	1.000	5828	0.002760	Target=10.26		3.1	M
513.00 > 169.00	4.081	4.081	0.0	1.000	996		5.85(5.13-15.38)		2.5	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.093	4.093	0.0	1.187	326180	1.29		108	1038	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.104	4.093	0.011	1.003	1048	0.002379			14.9	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.150	4.150	0.0	1.000	5835	0.003421			8.3	
D 21 13C8 FOSA										
506.00 > 78.00	4.150	4.150	0.0	1.204	2040818	1.34		107	1565	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.228	4.228	0.0	1.226	512181	1.35		108	3816	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.238	4.228	0.010	1.002	10172	0.0172		25.3		M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.331	4.331	0.0	1.151	1686	0.002521	Target=2.51	22.5		
599.00 > 99.00	4.319	4.331	-0.012	1.148	530		3.18(1.25-3.76)	6.3		M
D 30 13C2 PFUnA										
565.00 > 520.00	4.353	4.353	0.0	1.263	2279670	1.34		107	7599	
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.353	4.353	0.0	1.000	6156	0.003349	Target=9.88	3.3		M
563.00 > 169.00	4.353	4.353	0.0	1.000	773		7.96(4.94-14.82)	9.9		M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.376	4.365	0.011	1.003	10302	0.0289		44.5		M
D 32 d5-NEtFOSAA										M
589.00 > 419.00	4.365	4.365	0.0	1.266	498484	1.34		107	830	M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.454	4.454	0.0	1.183	7763	0.001955		32.0		
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.591	4.591	0.0	1.000	6630	0.003355	Target=7.77	0.6		M
613.00 > 169.00	4.602	4.591	0.011	1.002	984		6.74(3.89-11.66)	8.3		M
D 36 13C2 PFDaA										
615.00 > 570.00	4.591	4.591	0.0	1.332	2331608	1.34		107	5785	
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.612	4.612	0.0	1.127	535	0.002021		6.8		M
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.776	4.776	0.0	1.269	595	0.002102	Target=0.50	9.0		M
699.00 > 99.00	4.767	4.776	-0.009	1.267	1589		0.37(0.25-0.76)	19.8		M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.803	4.804	-0.001	1.046	7233	0.003827	Target=5.21	0.6		
663.00 > 169.00	4.813	4.804	0.009	1.048	1768		4.09(2.60-7.81)	11.4		M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.002	5.012	-0.010	0.998	1409	0.006412	Target=0.89	12.0		M
713.00 > 219.00	5.002	5.012	-0.010	0.998	1526		0.92(0.44-1.33)	15.6		M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.012	5.012	0.0	1.454	2006376	1.34		107	4997	
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.378	5.367	0.011	1.002	35047	0.002340	Target=5.65	3.3		
813.00 > 169.00	5.367	5.367	0.0	1.000	5819		6.02(2.82-8.47)	38.2		
D 44 13C2 PFHxDA										M
815.00 > 770.00	5.367	5.367	0.0	1.557	2453441	1.32		106	2133	M
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.731	5.722	0.009	1.068	14605	0.009035	Target=6.24	1.8		M
913.00 > 169.00	5.722	5.722	0.0	1.066	2239		6.52(3.12-9.36)	27.5		M

[QC Flag Legend](#)

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

[Reagents:](#)

PFAS32NCBLK20_00023

Amount Added: 100.00

Units: uL

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d

Injection Date: 18-Nov-2022 15:18:56

Instrument ID: LC812

Lims ID: ICB

Client ID:

Operator ID: lc812tech

ALS Bottle#: 8

Worklist Smp#: 11

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

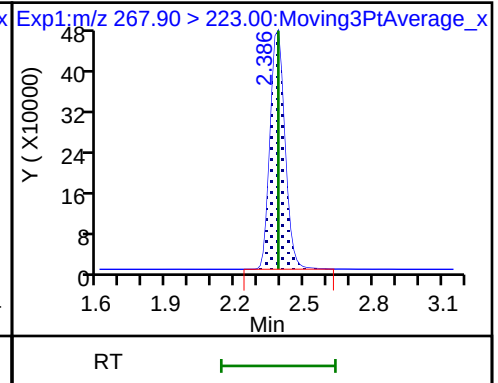
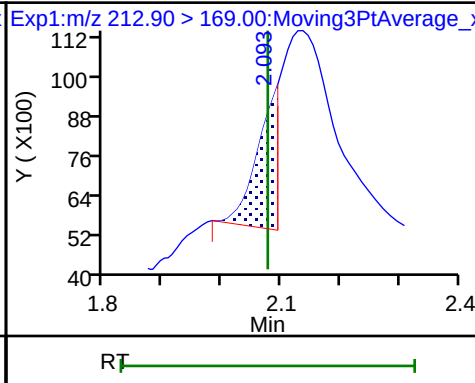
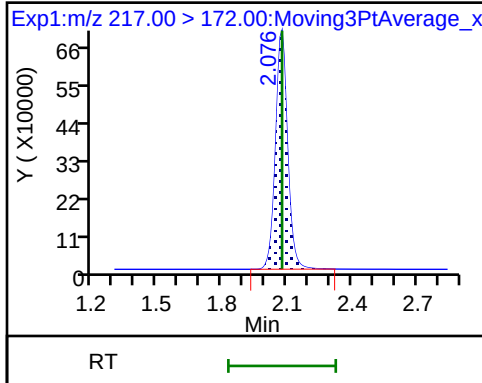
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA (M)

2 Perfluorobutanoic acid (M)

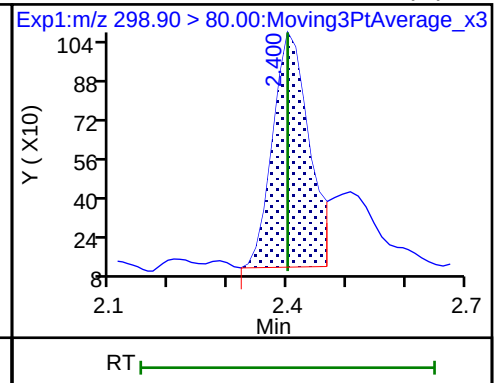
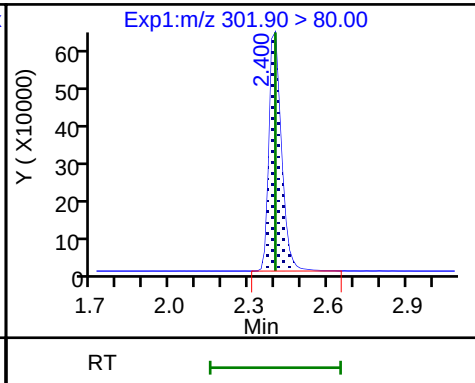
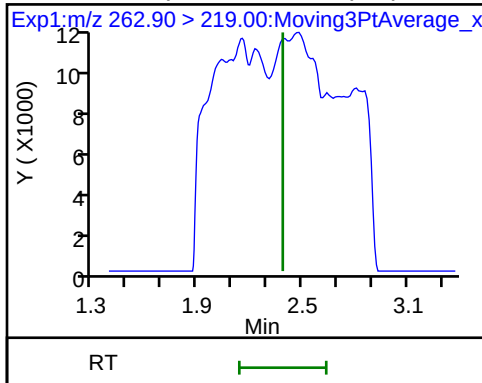
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (ND)

D 47 13C3 PFBS

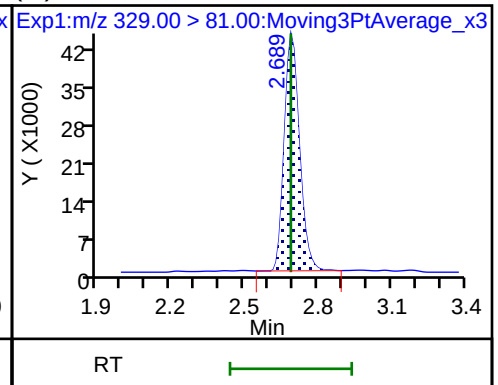
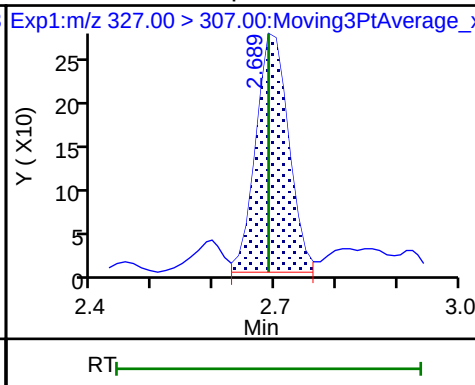
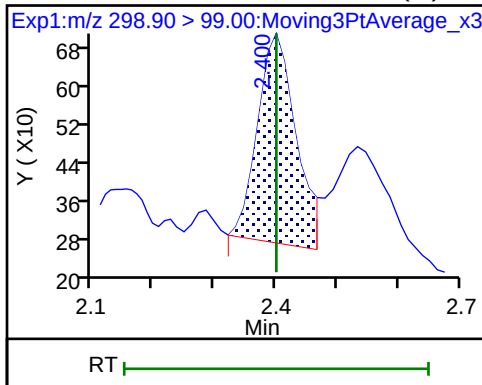
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

61 1H,1H,2H,2H-perfluorohexanesulfonate (M)

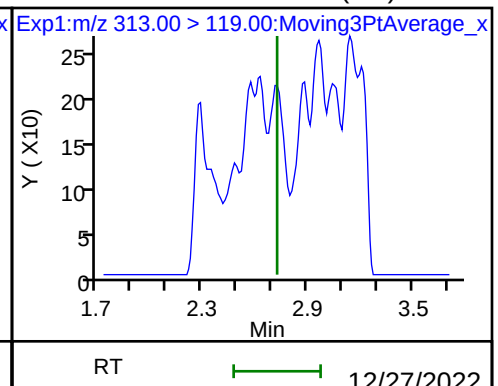
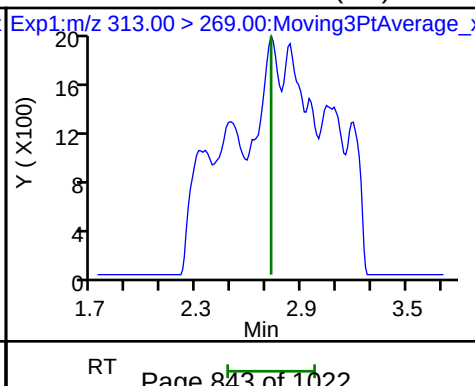
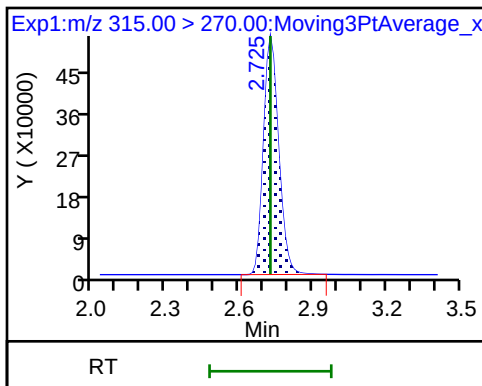
D 50 M2-4:2 FTS



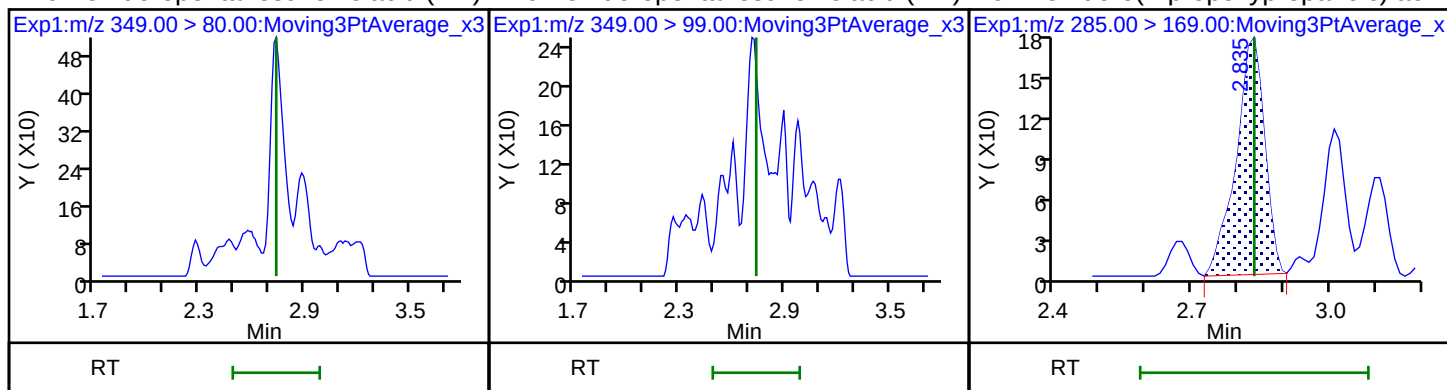
D 7 13C2 PFHxA

6 Perfluorohexanoic acid (ND)

6 Perfluorohexanoic acid (ND)



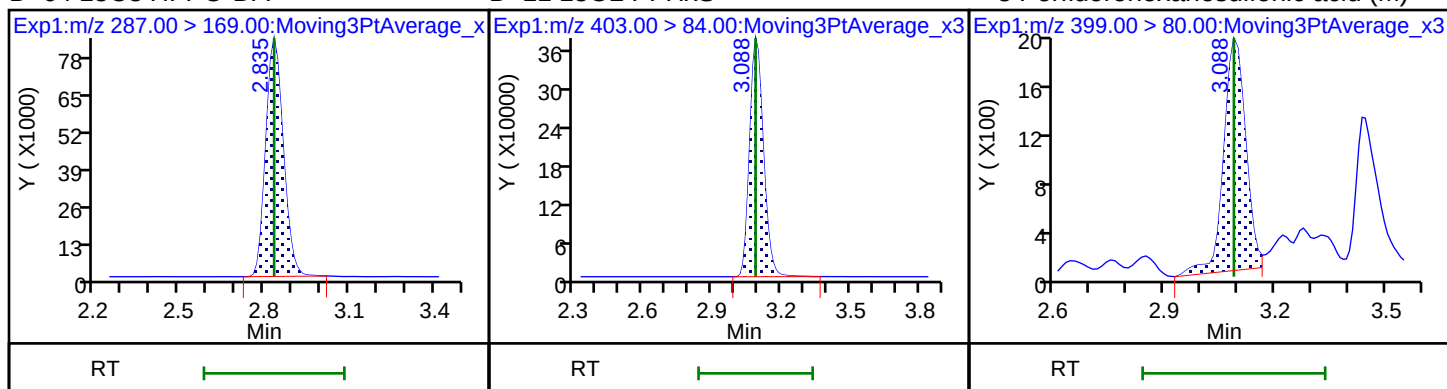
70 Perfluoropentanesulfonic acid (ND) 70 Perfluoropentanesulfonic acid (ND) 67 Perfluoro(2-propoxypropanoic) ac



D 64 13C3 HFPO-DA

D 11 18O2 PFHxS

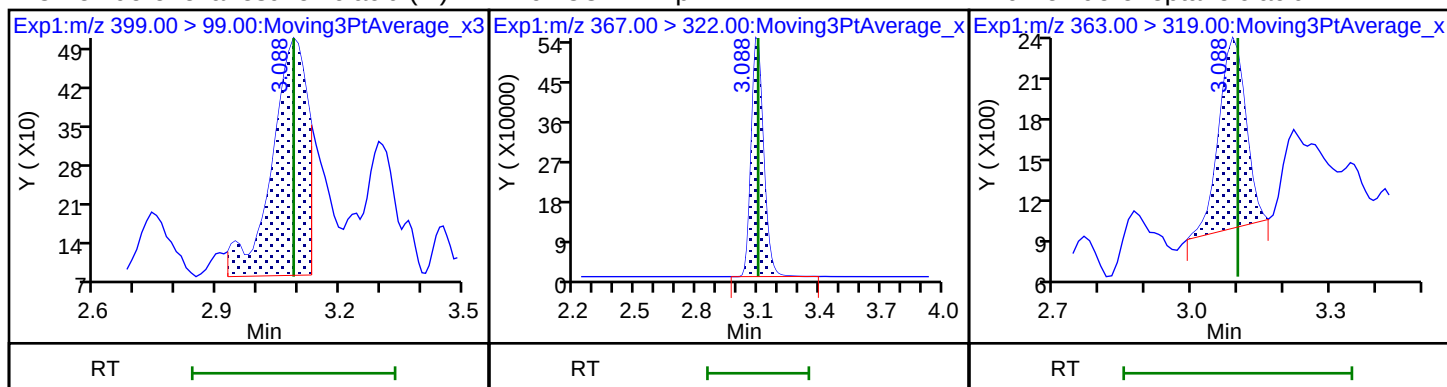
8 Perfluorohexanesulfonic acid (M)



8 Perfluorohexanesulfonic acid (M)

D 9 13C4 PFHpA

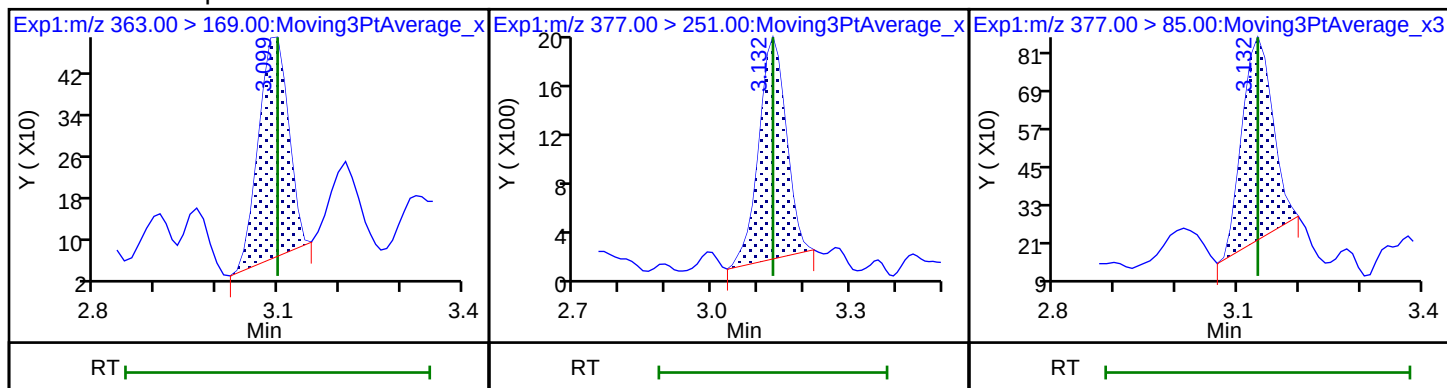
10 Perfluoroheptanoic acid



10 Perfluoroheptanoic acid

77 DONA

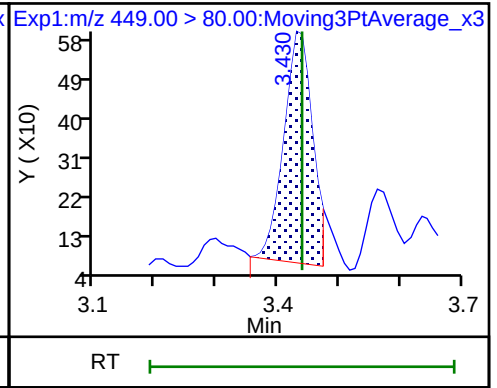
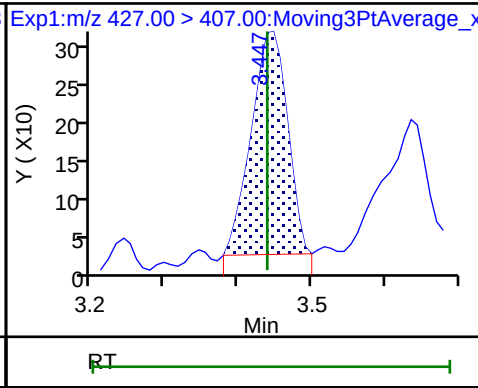
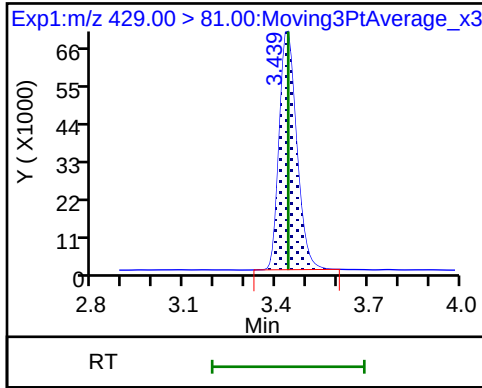
77 DONA



D 12 M2-6:2 FTS

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

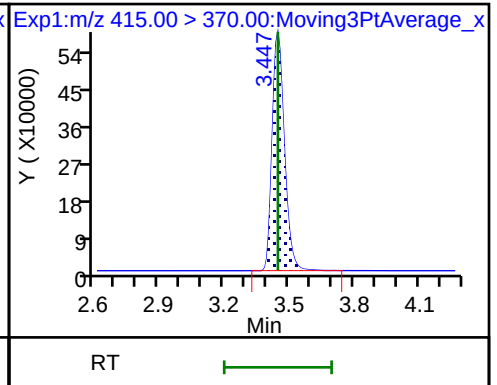
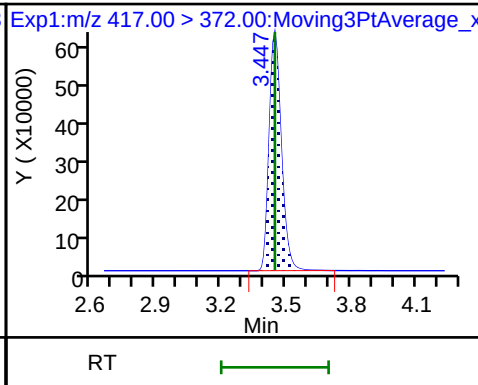
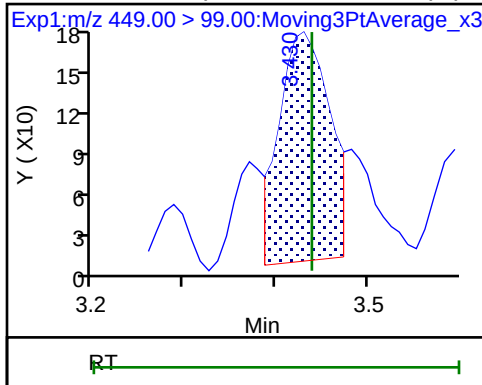
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

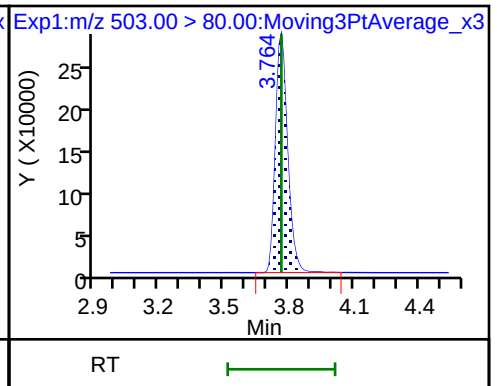
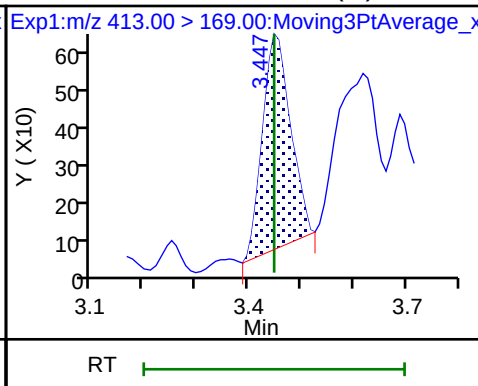
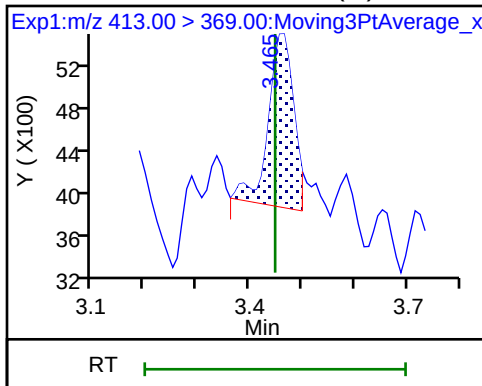
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

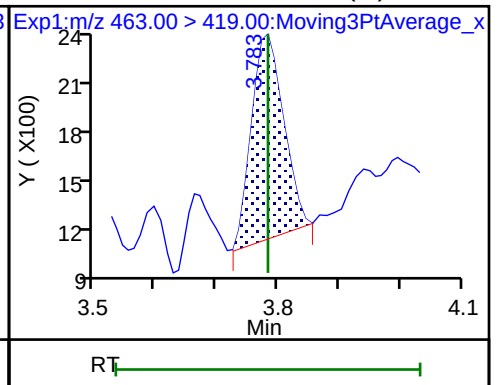
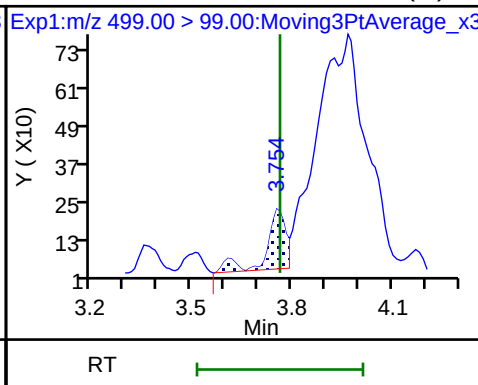
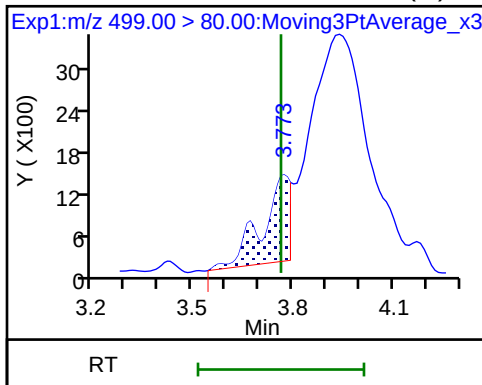
D 18 13C4 PFOS

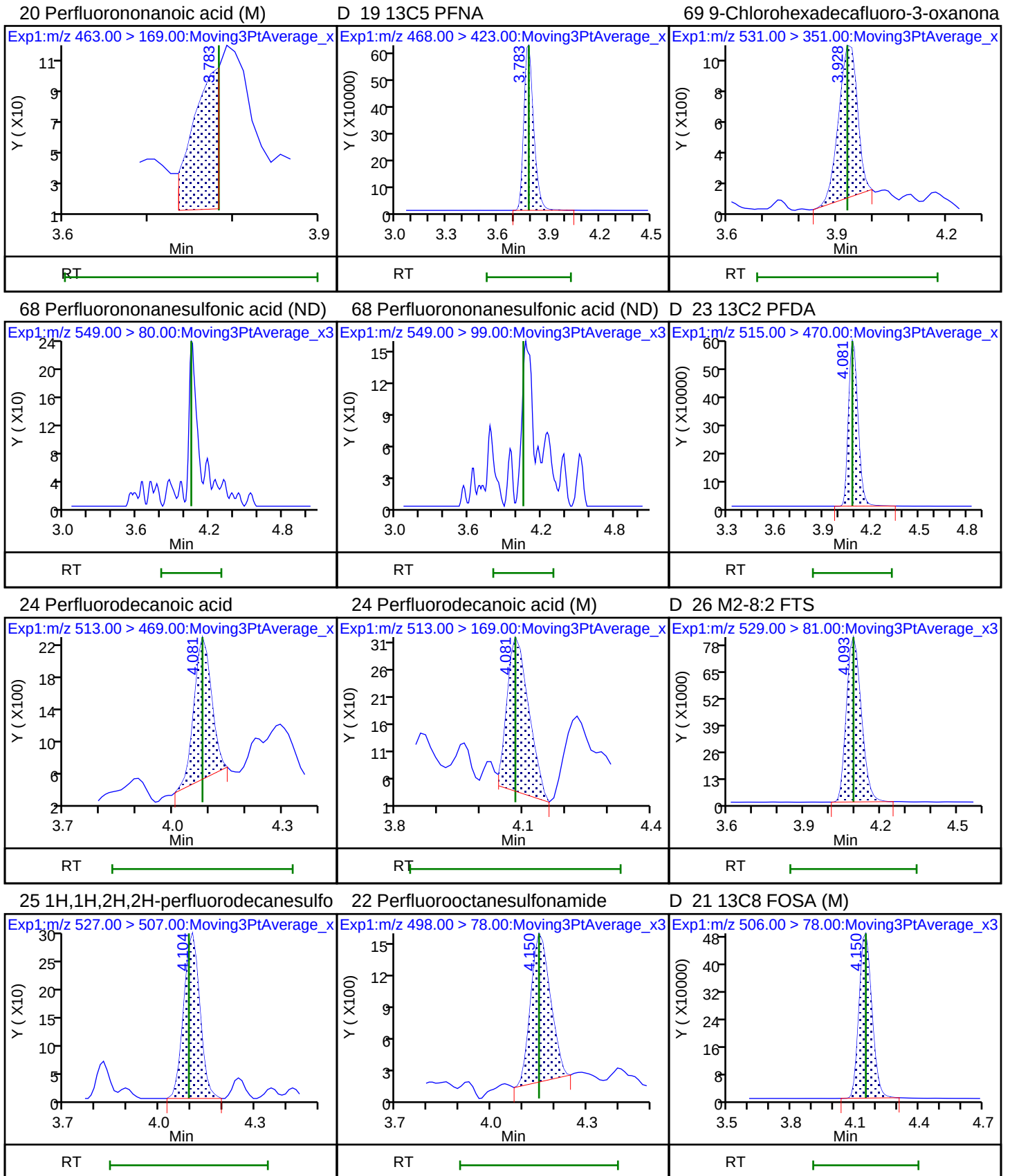


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

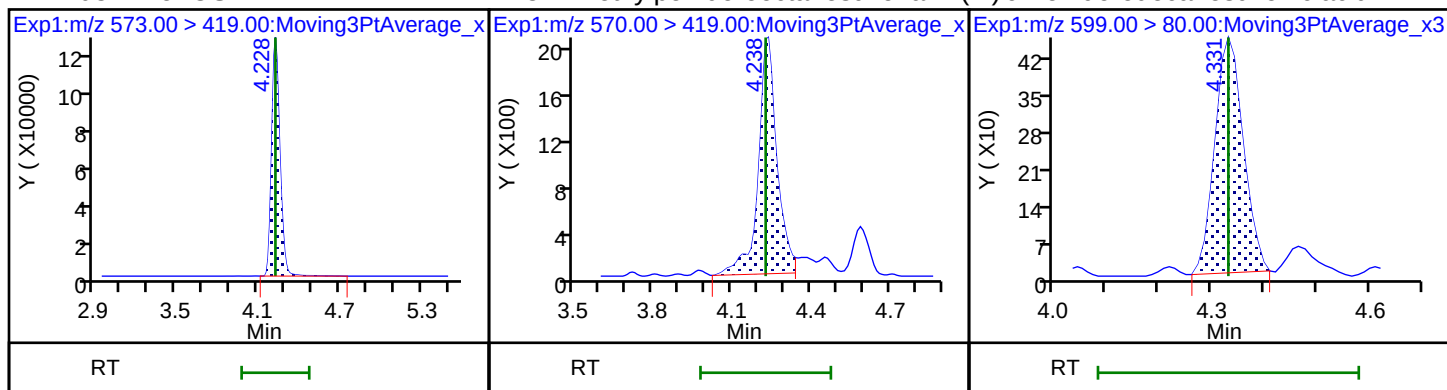
20 Perfluorononanoic acid (M)





D 27 d3-NMeFOSAA

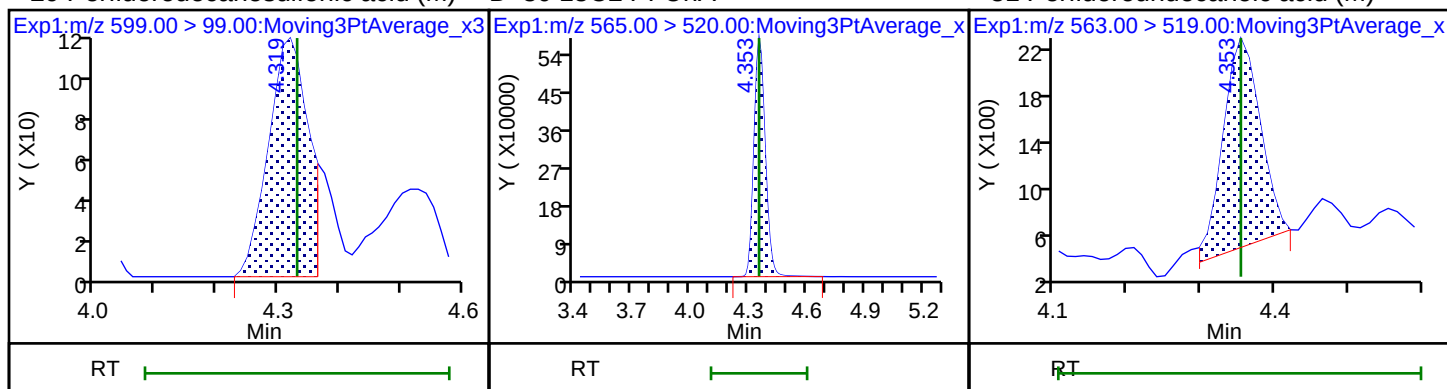
28 N-methylperfluorooctanesulfonami (M) 29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid (M)

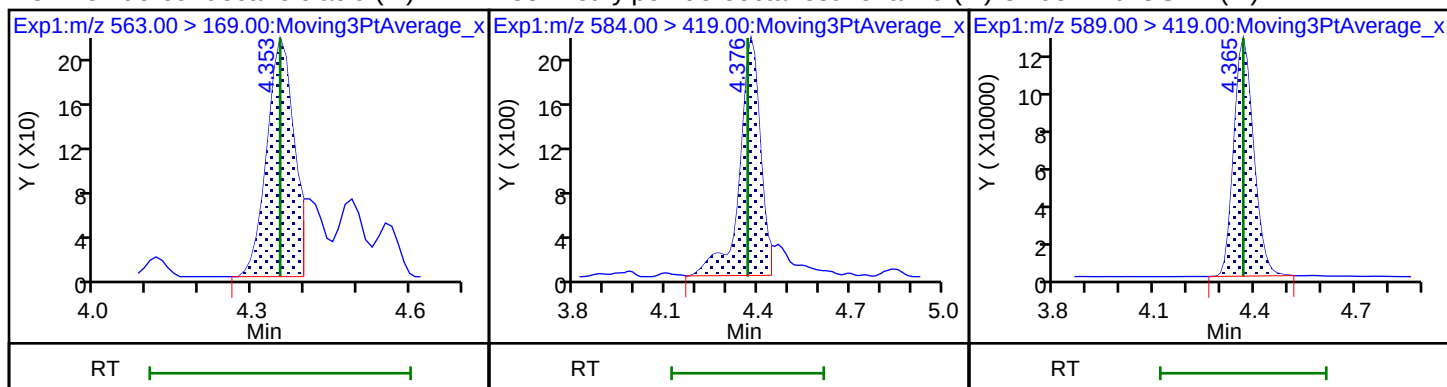
D 30 13C2 PFUnA

31 Perfluoroundecanoic acid (M)



31 Perfluoroundecanoic acid (M)

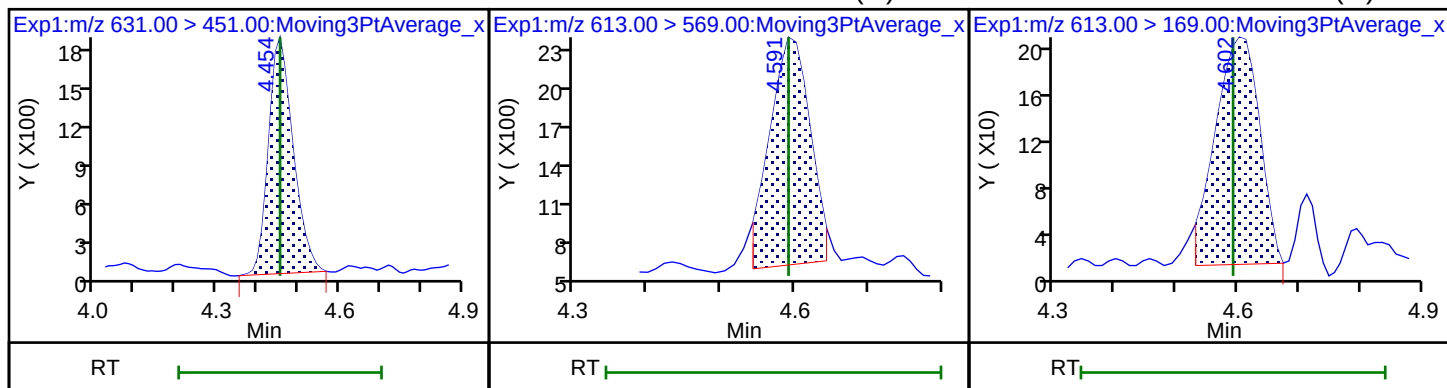
33 N-ethylperfluorooctanesulfonamid (M) 32 d5-NEtFOSAA (M)



66 11-Chloroeicosafluoro-3-oxaundec

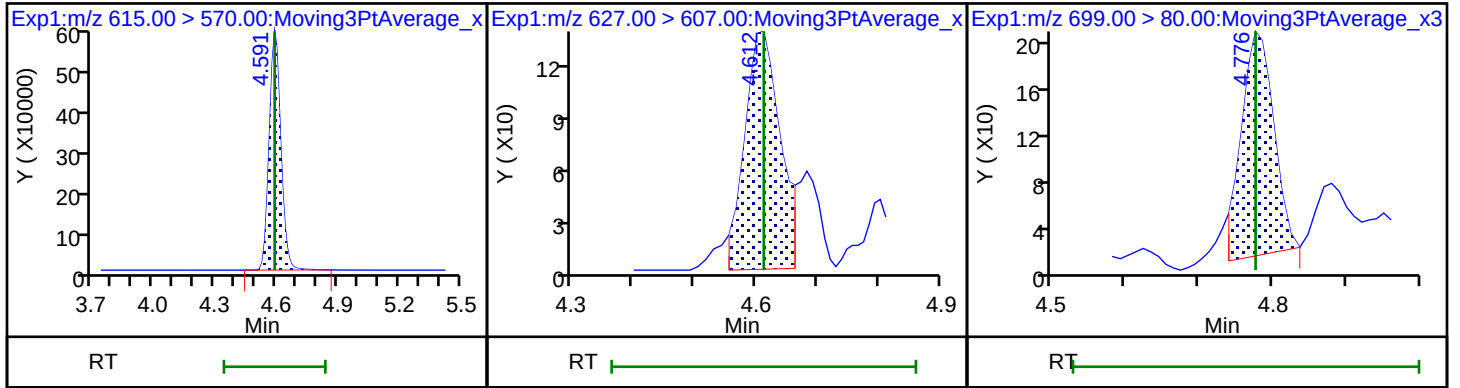
37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid (M)



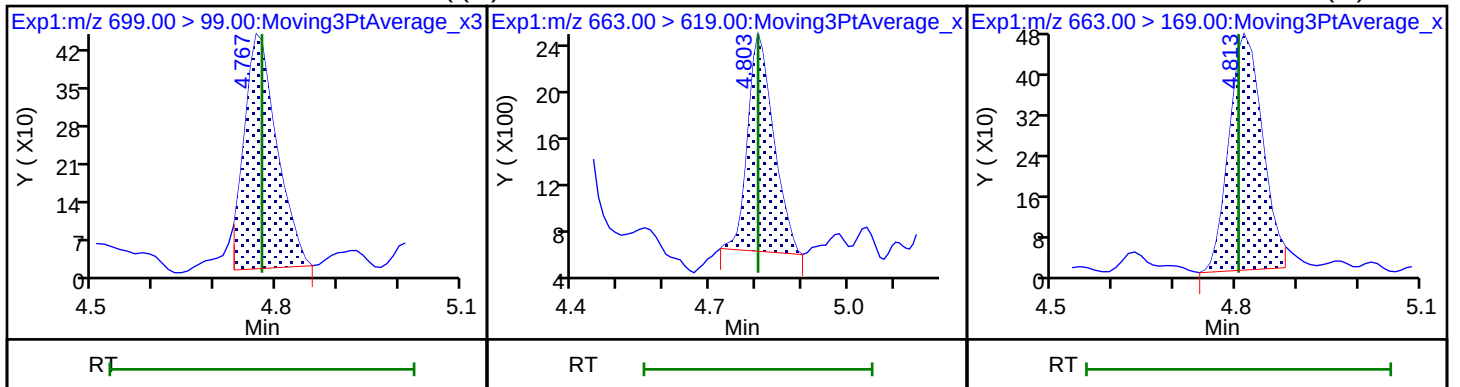
D 36 13C2 PFDaA

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



75 Perfluorododecanesulfonic acid ((M) 41 Perfluorotridecanoic acid

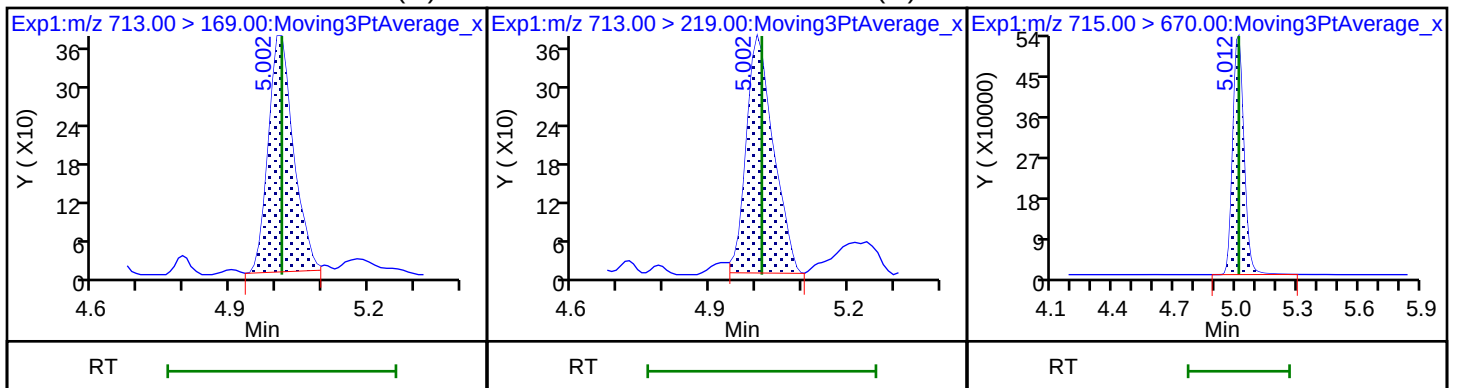
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

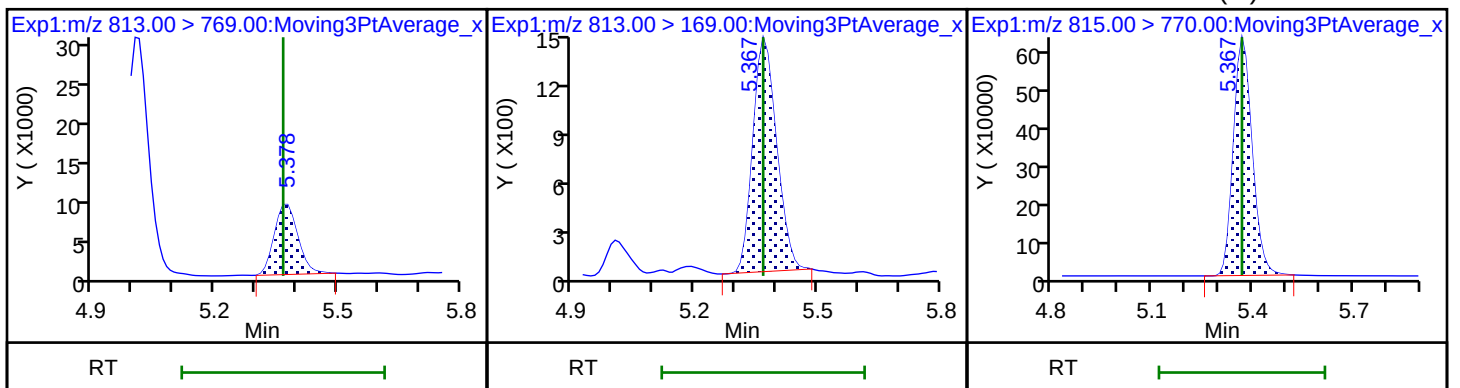
D 43 13C2 PFTeDA



45 Perfluorohexadecanoic acid

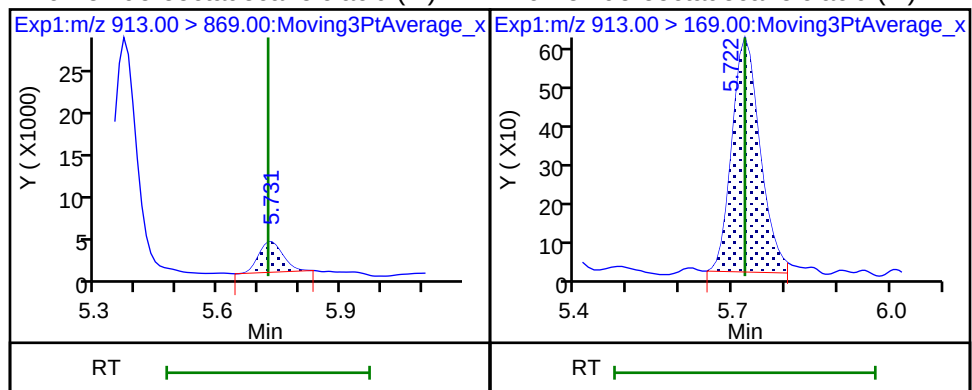
45 Perfluorohexadecanoic acid

D 44 13C2 PFHxDA (M)



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

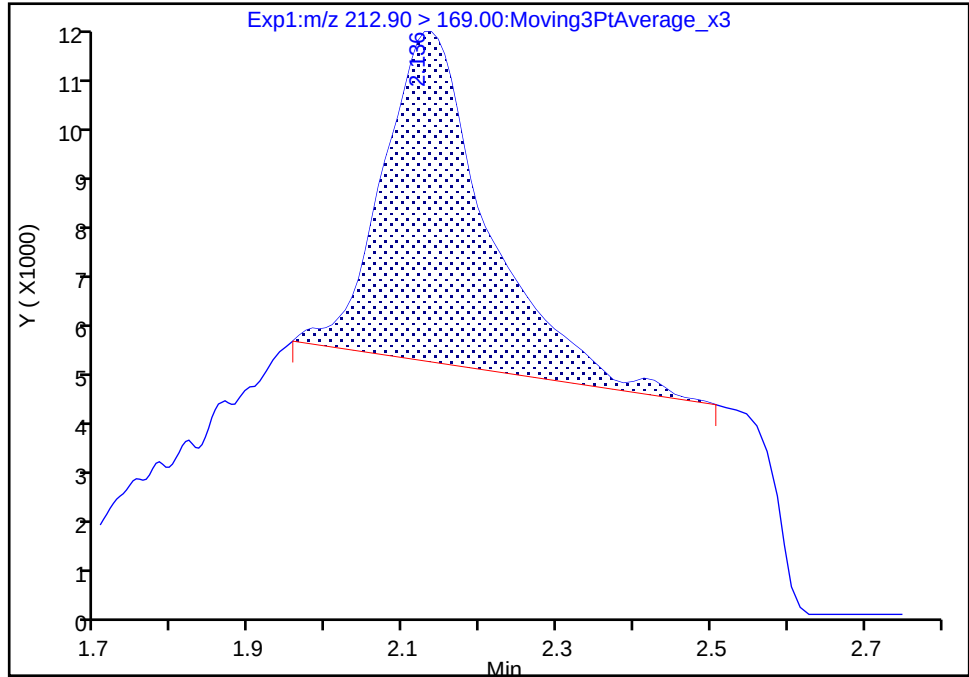
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Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

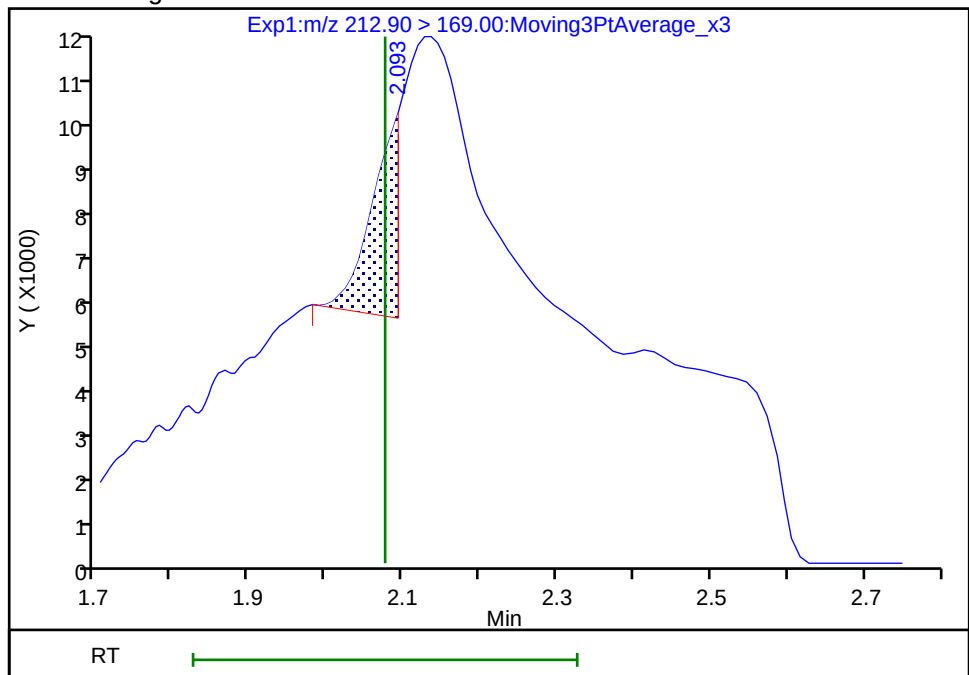
RT: 2.14
Area: 60893
Amount: 0.027432
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 10011
Amount: 0.004510
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:20:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

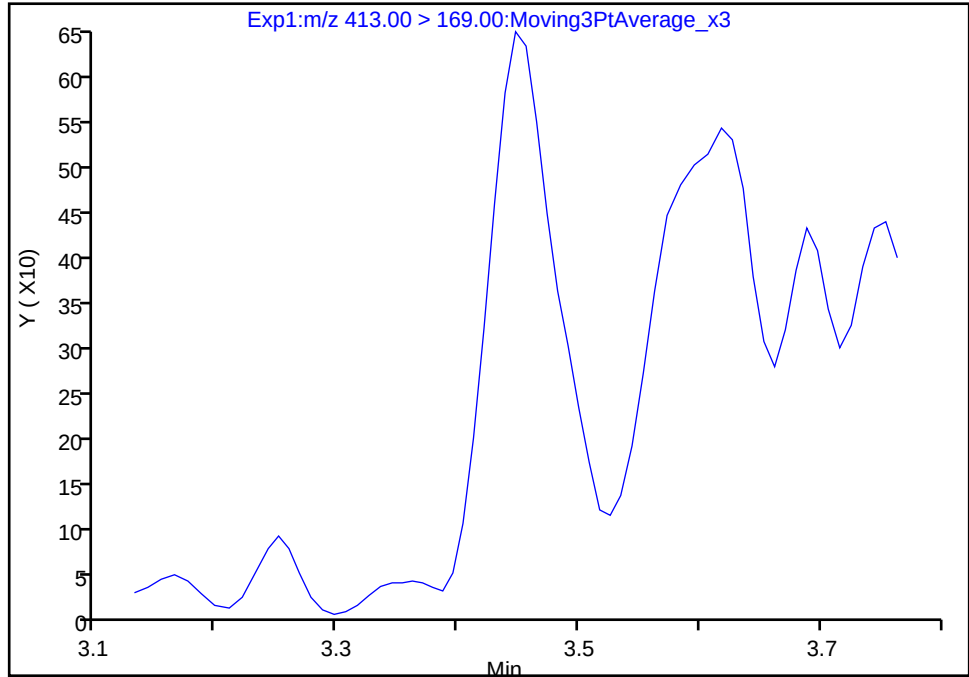
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Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

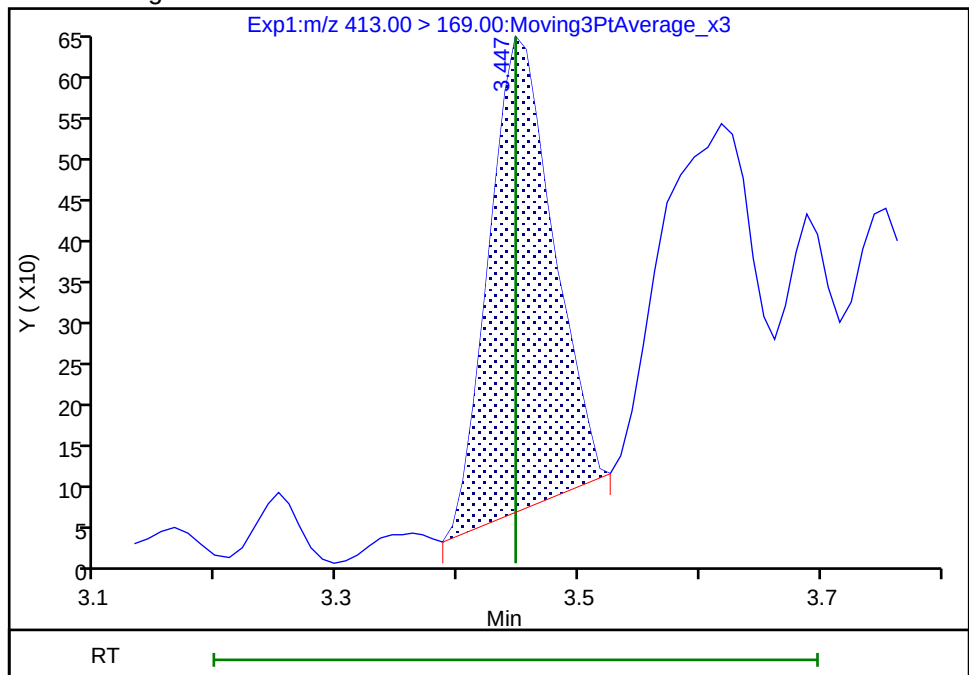
Signal: 2

Not Detected
Expected RT: 3.45

Processing Integration Results



Manual Integration Results



RT: 3.45
Area: 2152
Amount: 0.002512
Amount Units: ng/ml

Reviewer: Z1IP, 21-Nov-2022 08:22:37

Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins Burlington

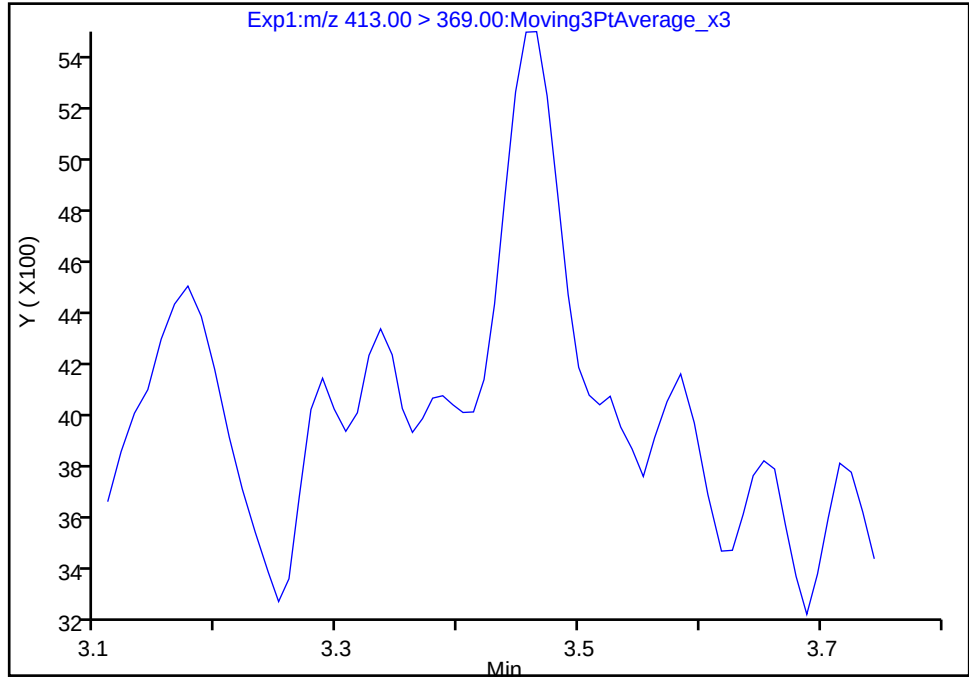
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

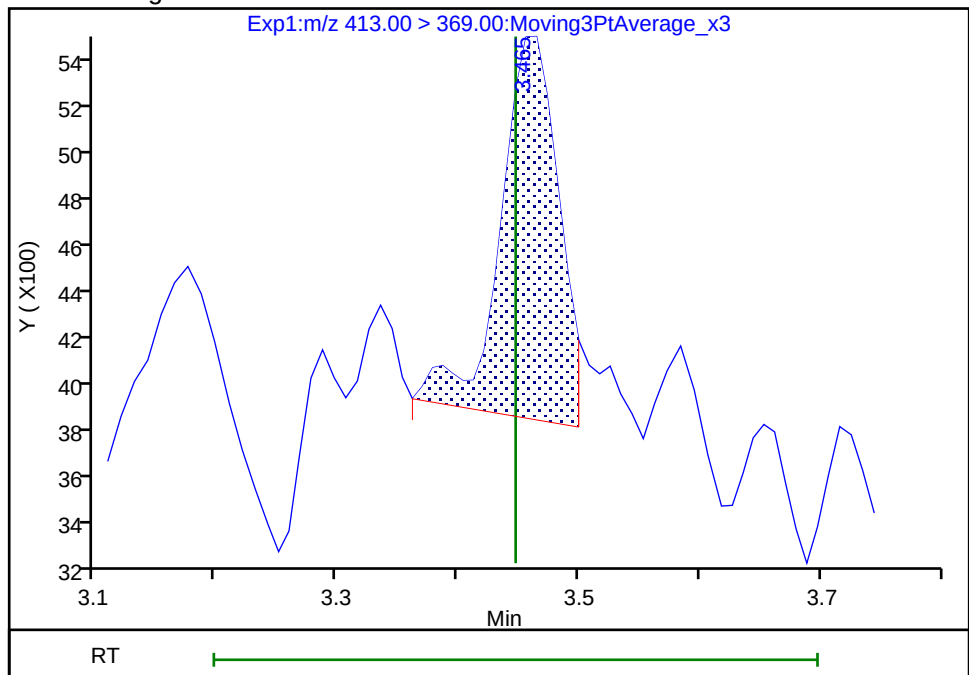
Not Detected
Expected RT: 3.45

Processing Integration Results



Manual Integration Results

RT: 3.46
Area: 5314
Amount: 0.002512
Amount Units: ng/ml



Reviewer: Z1IP, 21-Nov-2022 08:22:40

Audit Action: Manually Integrated

Audit Reason: Missed Peak

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Eurofins Burlington

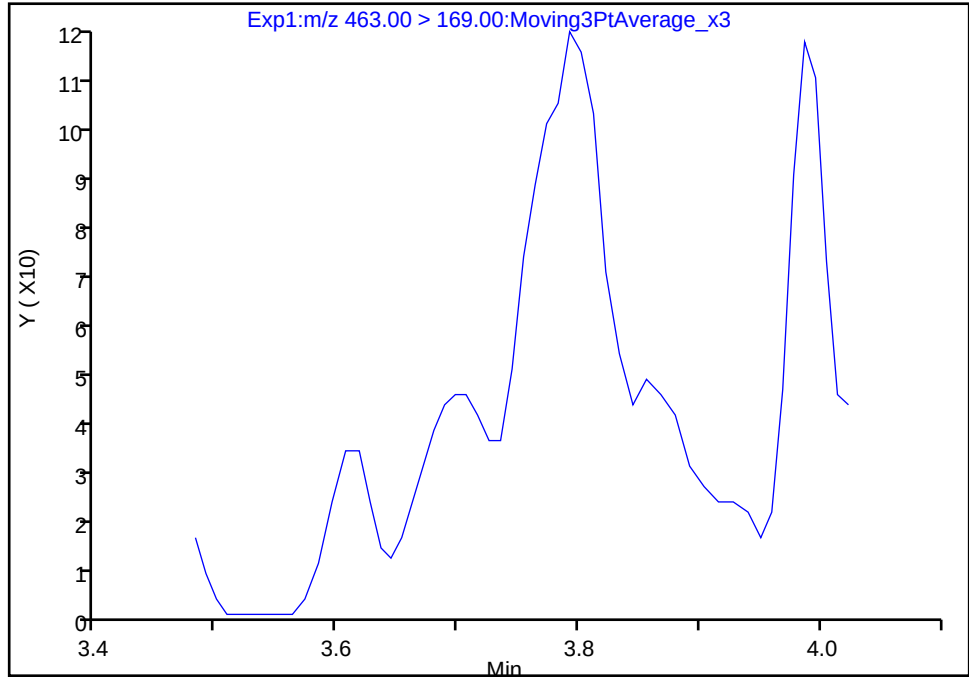
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

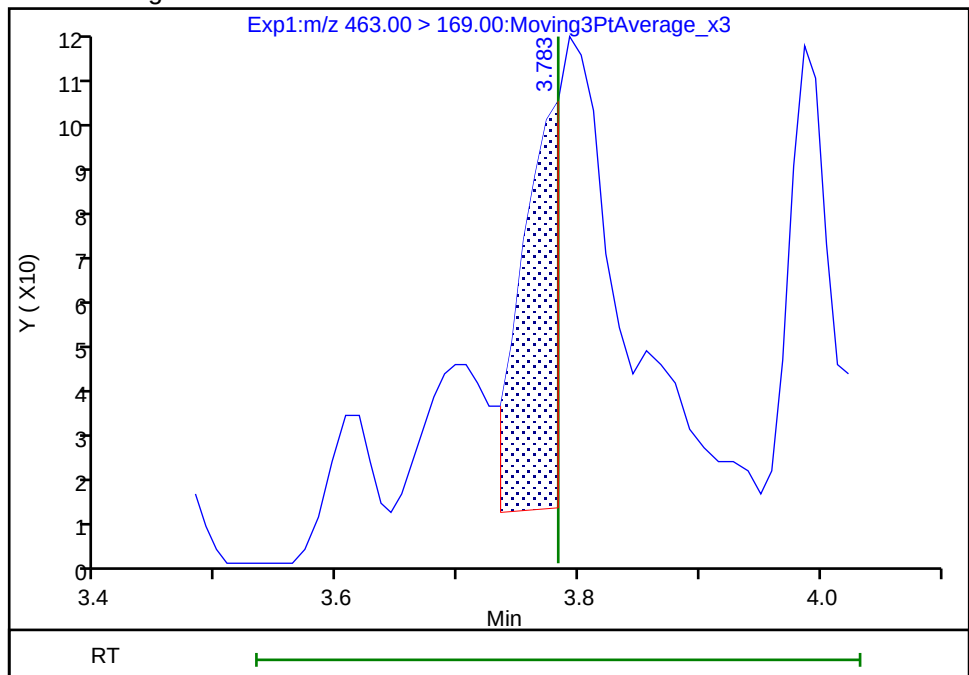
Not Detected
Expected RT: 3.78

Processing Integration Results



Manual Integration Results

RT: 3.78
Area: 175
Amount: 0.002181
Amount Units: ng/ml



Reviewer: Z1IP, 21-Nov-2022 08:23:26
Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins Burlington

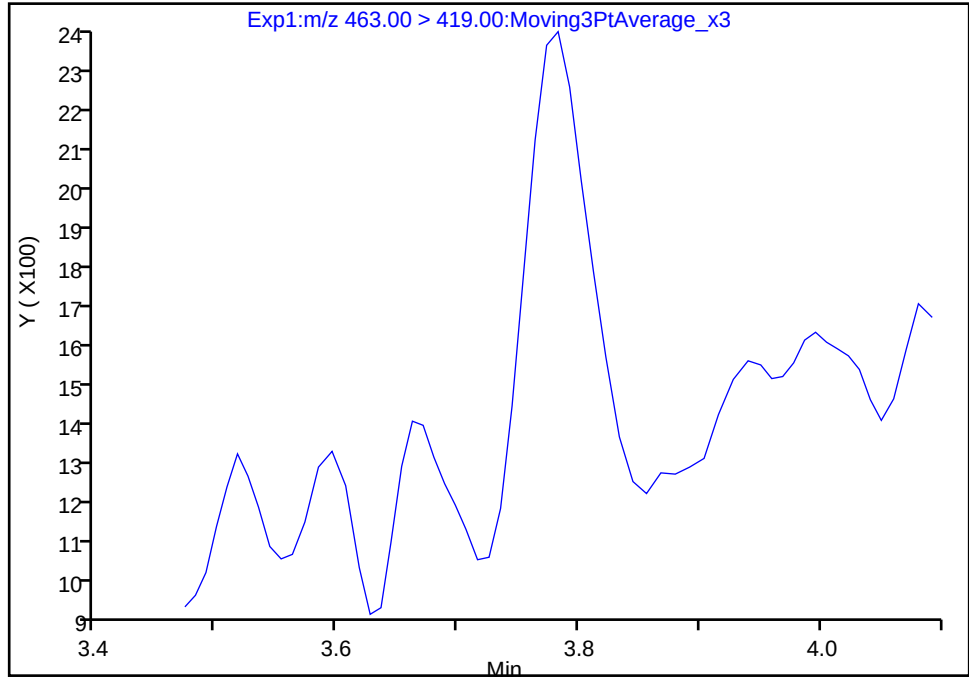
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

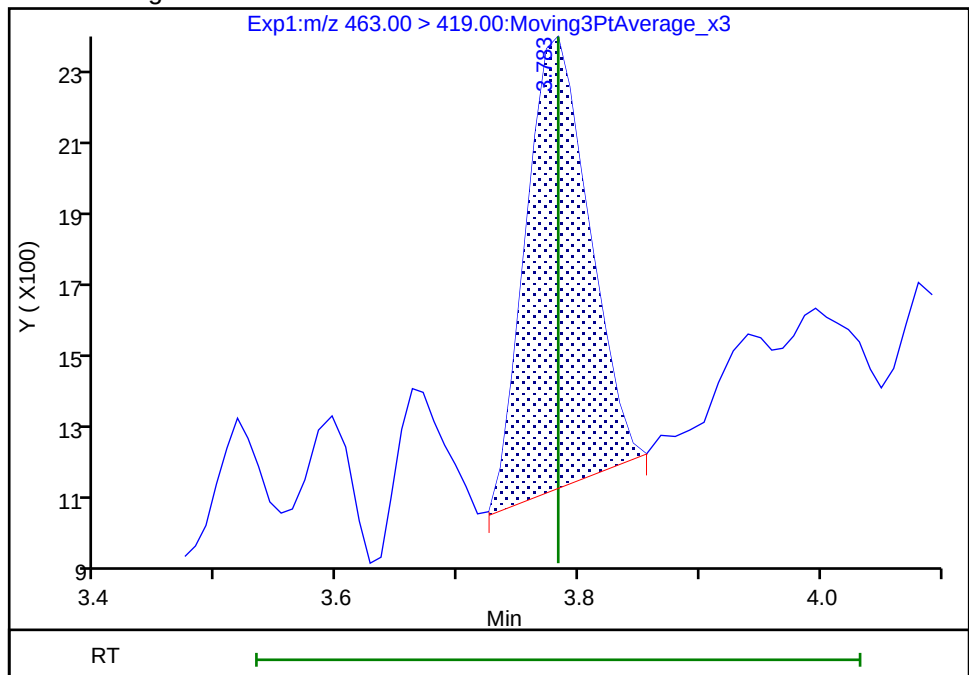
Not Detected
Expected RT: 3.78

Processing Integration Results



Manual Integration Results

RT: 3.78
Area: 4415
Amount: 0.002181
Amount Units: ng/ml



Reviewer: Z1IP, 21-Nov-2022 08:23:28

Audit Action: Manually Integrated

Audit Reason: Missed Peak

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Eurofins Burlington

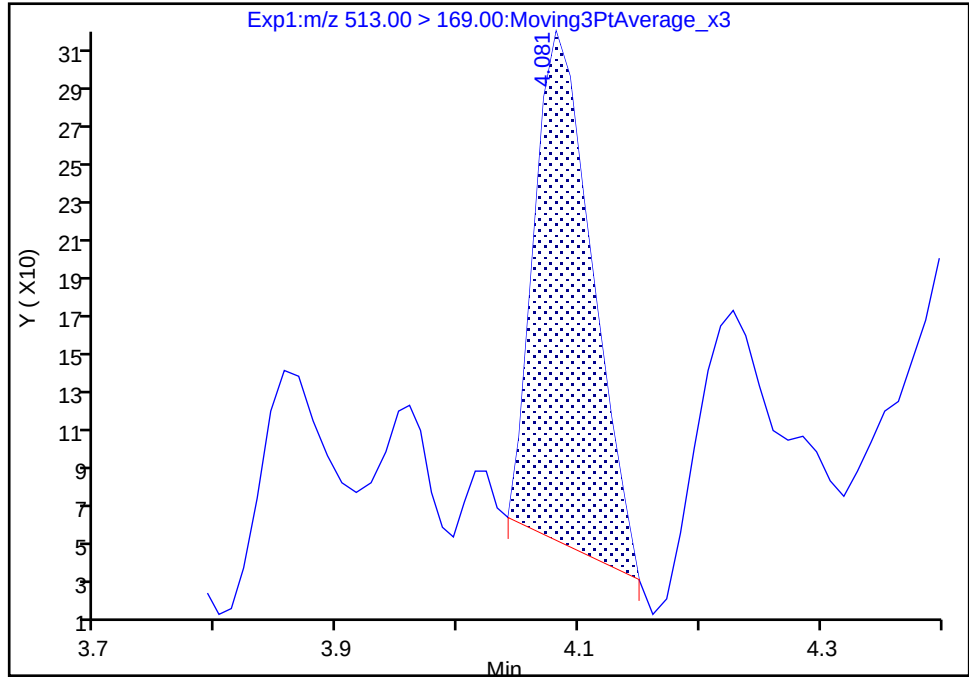
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

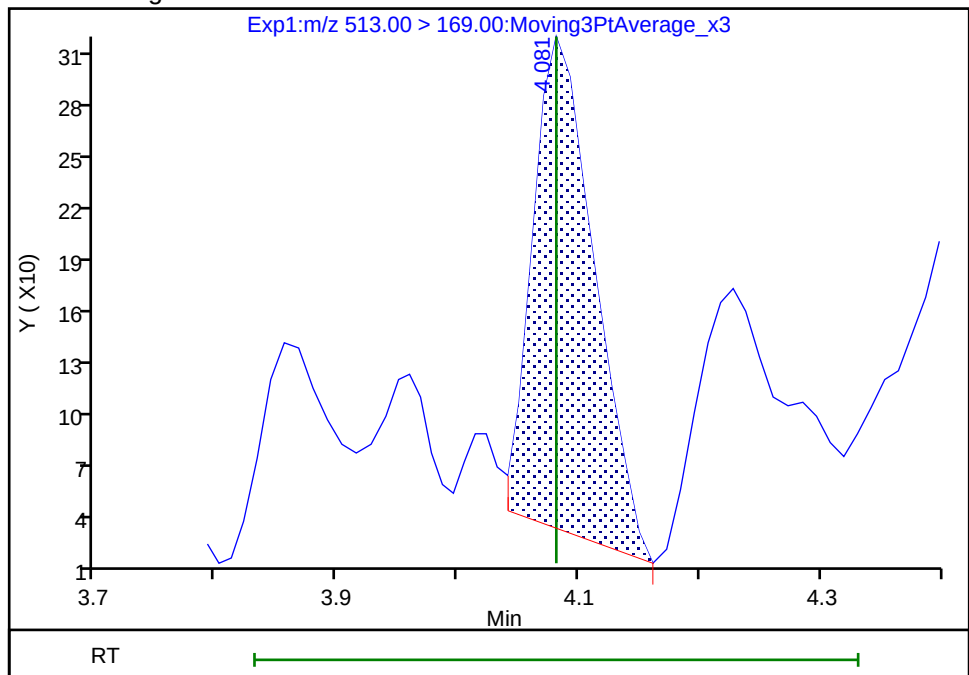
RT: 4.08
Area: 876
Amount: 0.002760
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 996
Amount: 0.002760
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:23:54
Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins Burlington

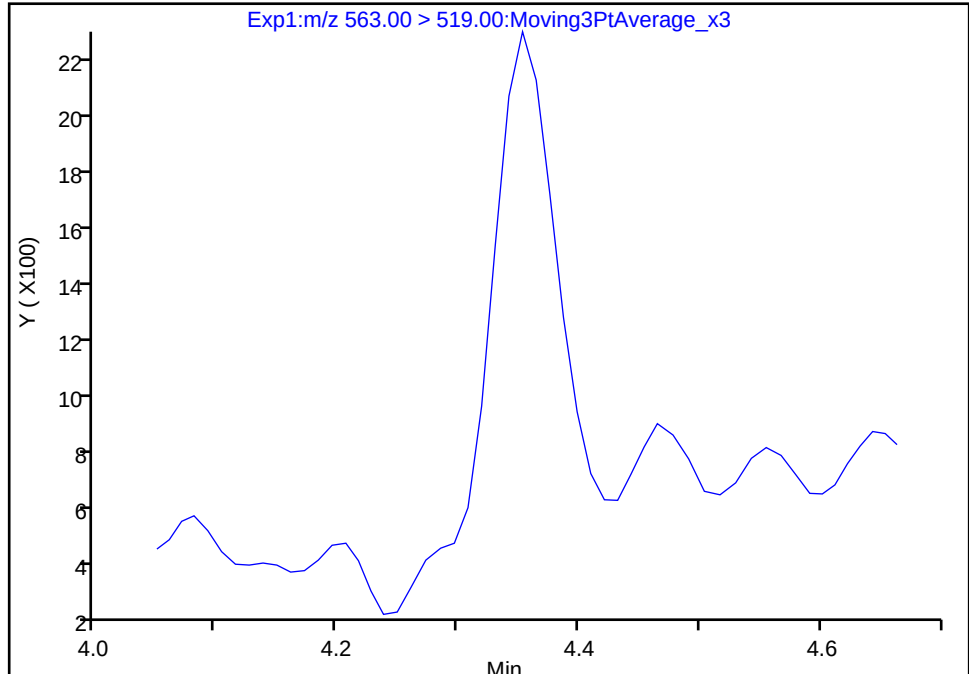
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

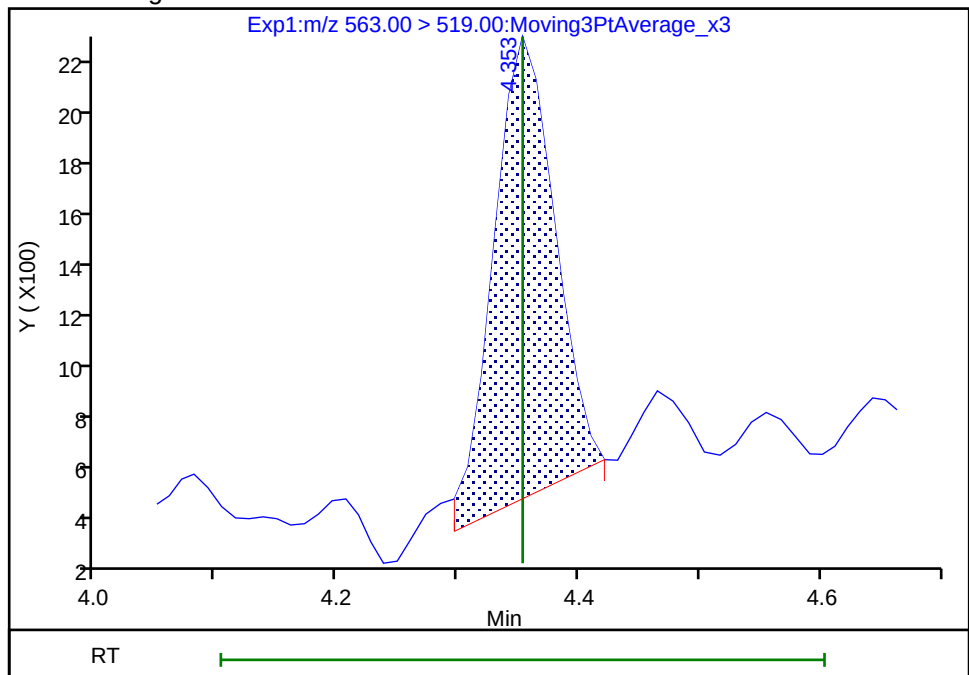
Not Detected
Expected RT: 4.35

Processing Integration Results



Manual Integration Results

RT: 4.35
Area: 6156
Amount: 0.003349
Amount Units: ng/ml



Reviewer: Z1IP, 21-Nov-2022 08:24:41

Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins Burlington

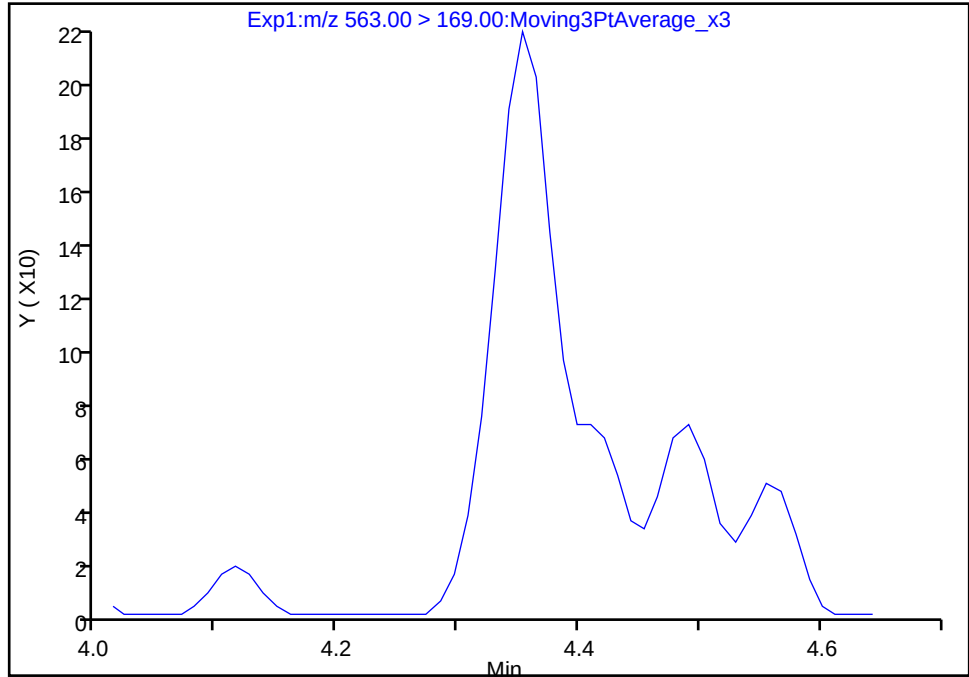
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

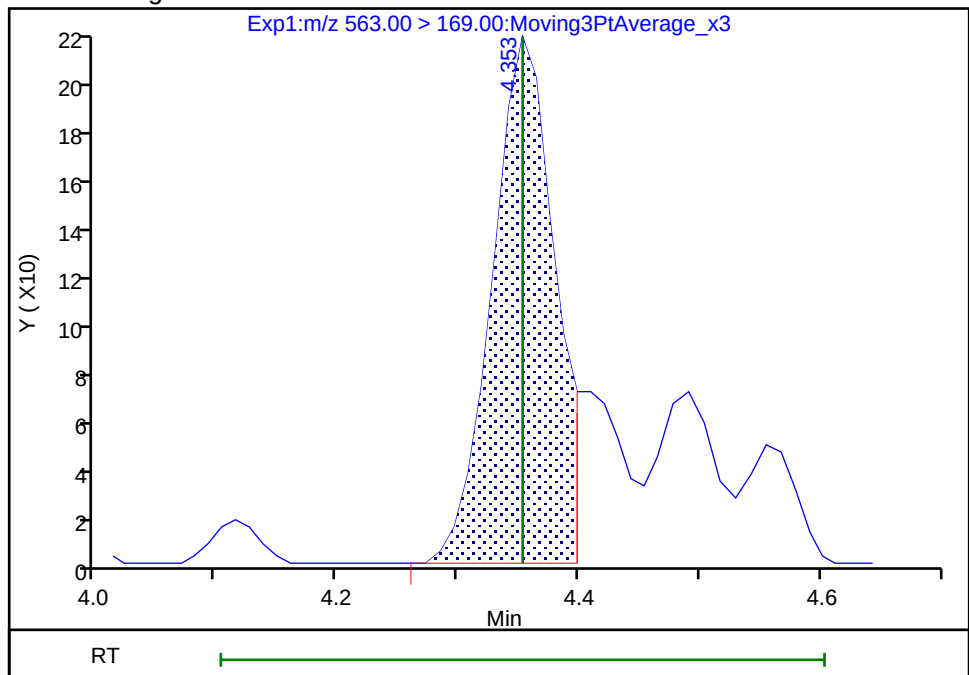
Not Detected
Expected RT: 4.35

Processing Integration Results



Manual Integration Results

RT: 4.35
Area: 773
Amount: 0.003349
Amount Units: ng/ml



Reviewer: Z1IP, 21-Nov-2022 08:24:44

Audit Action: Manually Integrated

Audit Reason: Missed Peak

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Eurofins Burlington

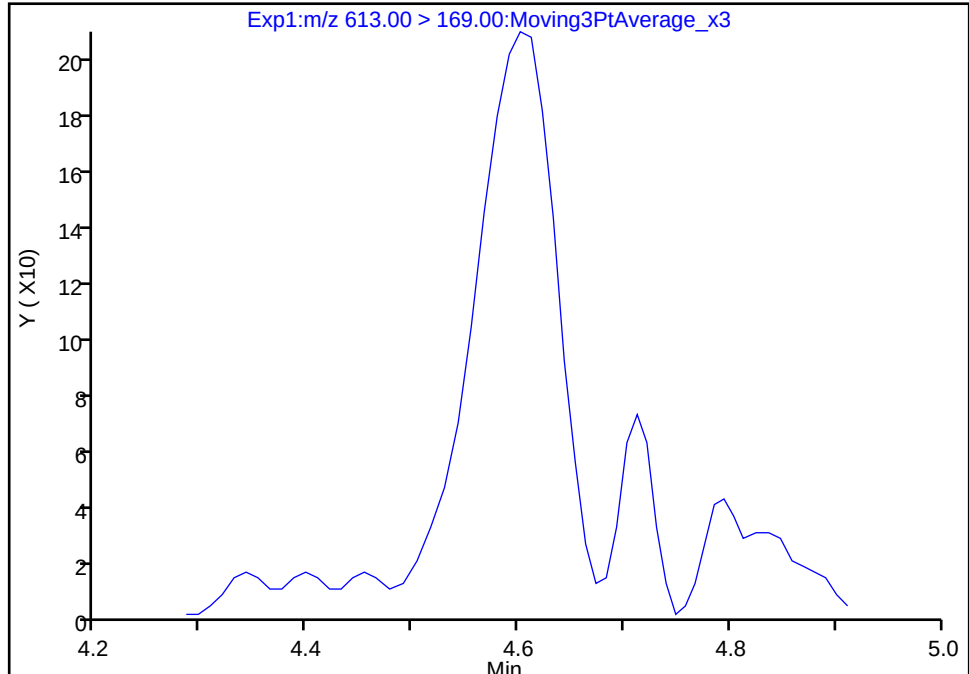
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

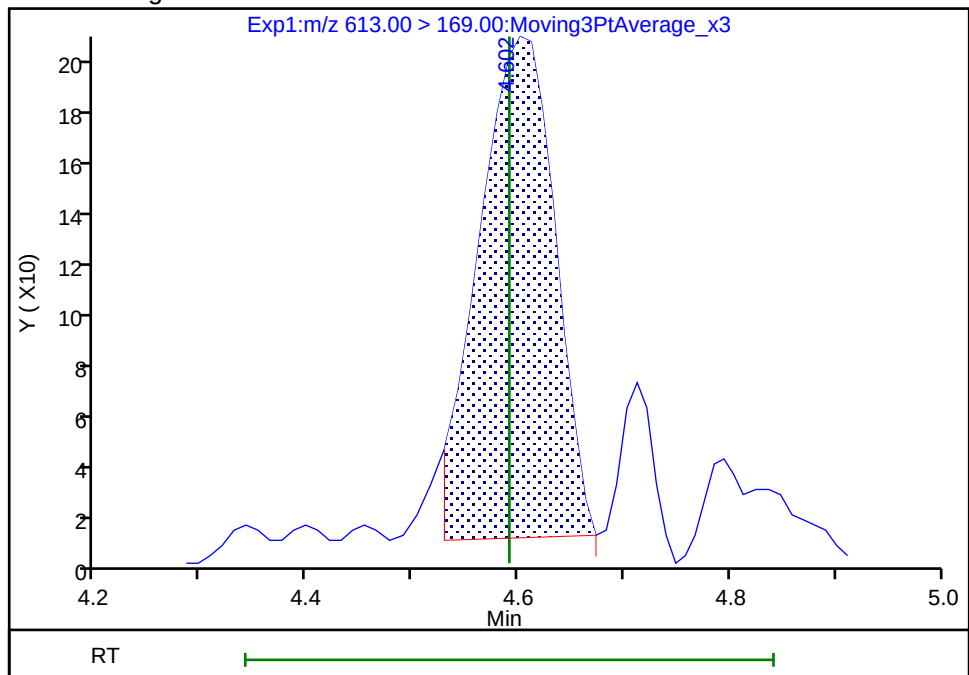
Not Detected
Expected RT: 4.59

Processing Integration Results



RT: 4.60
Area: 984
Amount: 0.003355
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:25:29

Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins Burlington

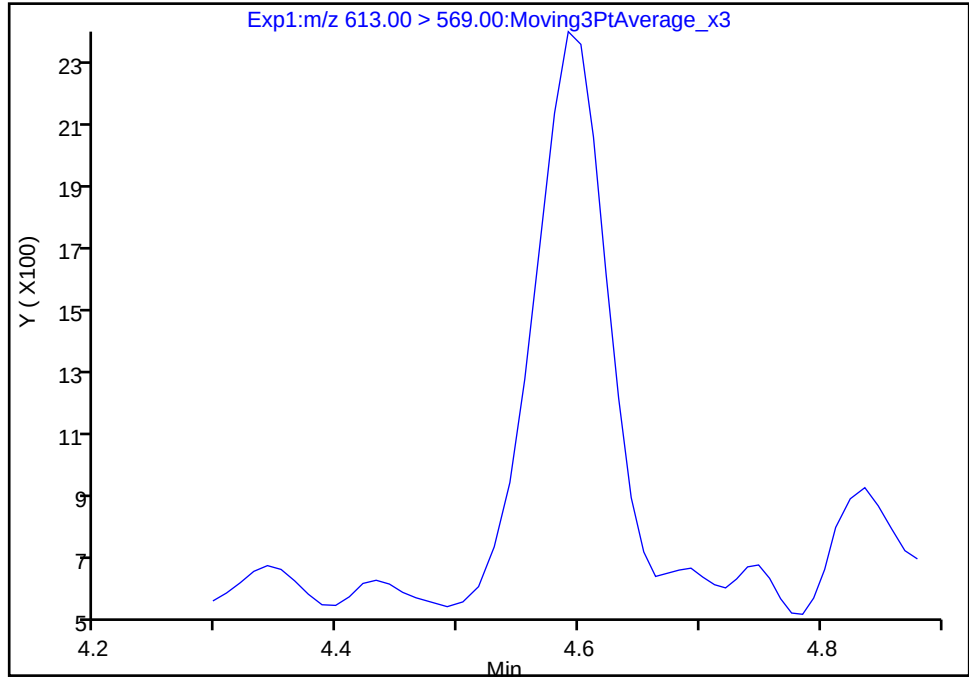
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

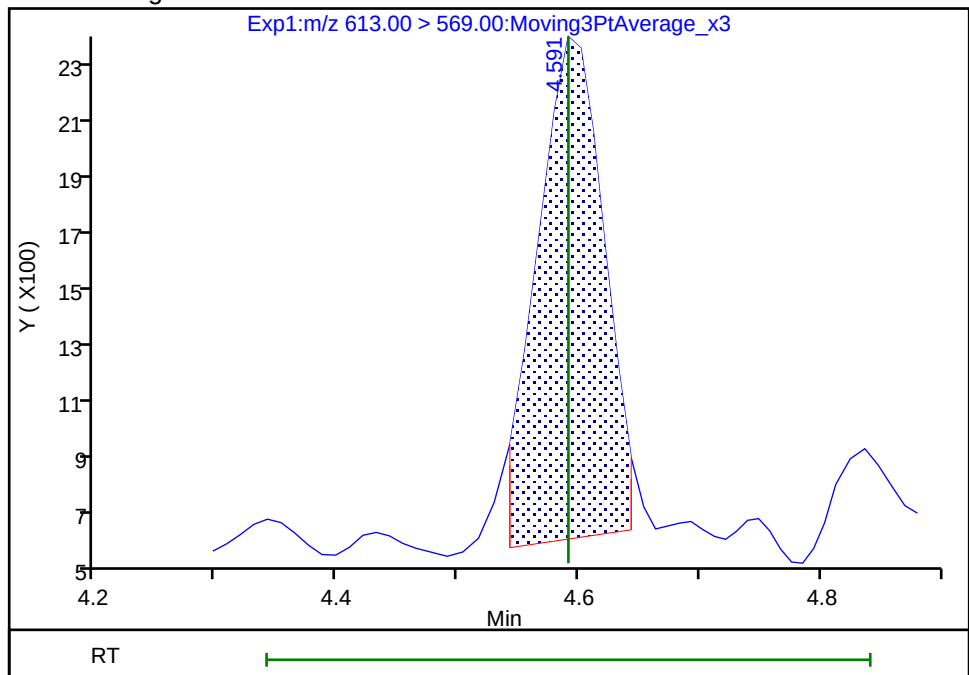
Not Detected
Expected RT: 4.59

Processing Integration Results



Manual Integration Results

RT: 4.59
Area: 6630
Amount: 0.003355
Amount Units: ng/ml



Reviewer: Z1IP, 21-Nov-2022 08:25:35

Audit Action: Manually Integrated

Audit Reason: Missed Peak

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Eurofins Burlington

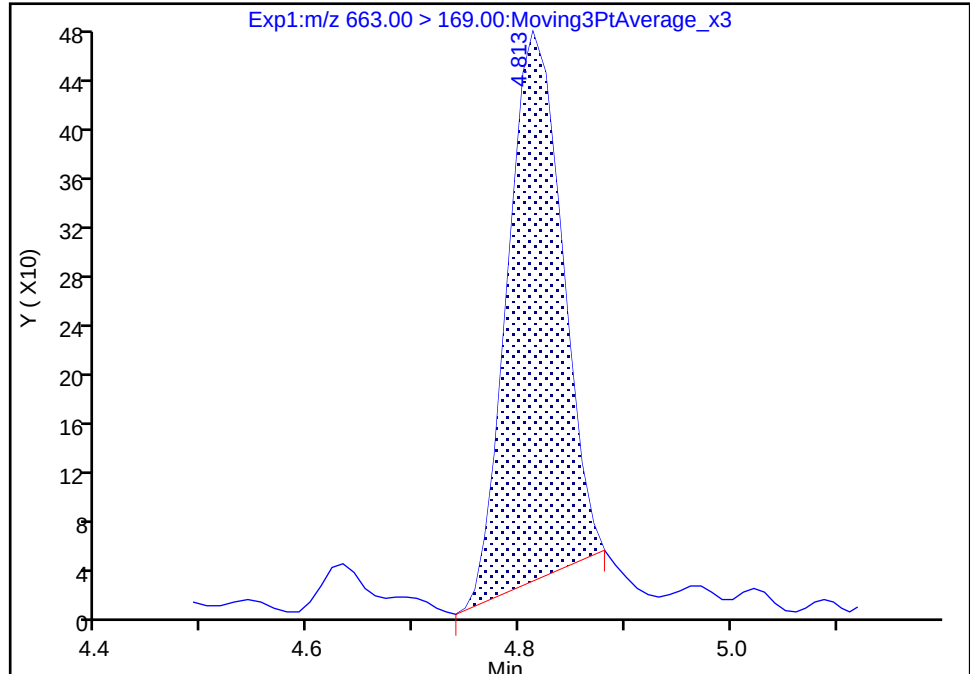
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

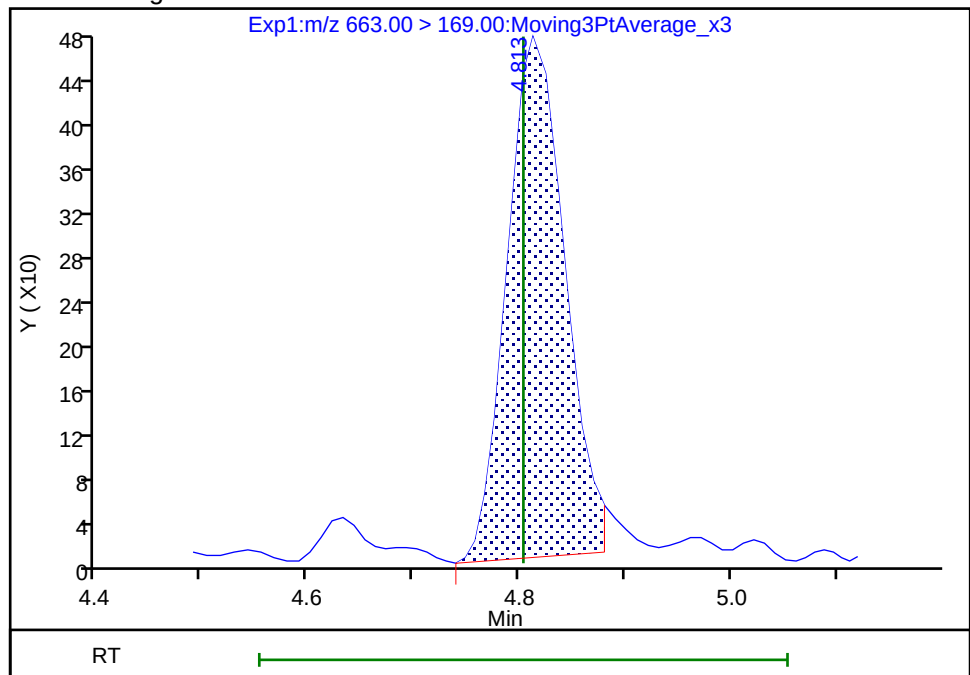
RT: 4.81
Area: 1591
Amount: 0.003827
Amount Units: ng/ml

Processing Integration Results



RT: 4.81
Area: 1768
Amount: 0.003827
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:26:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

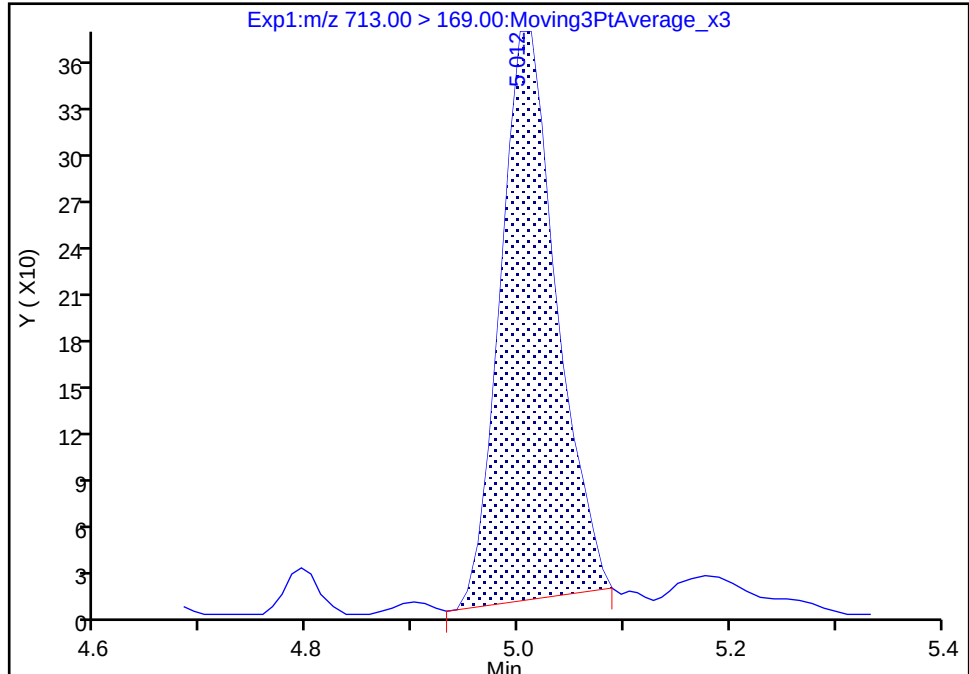
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

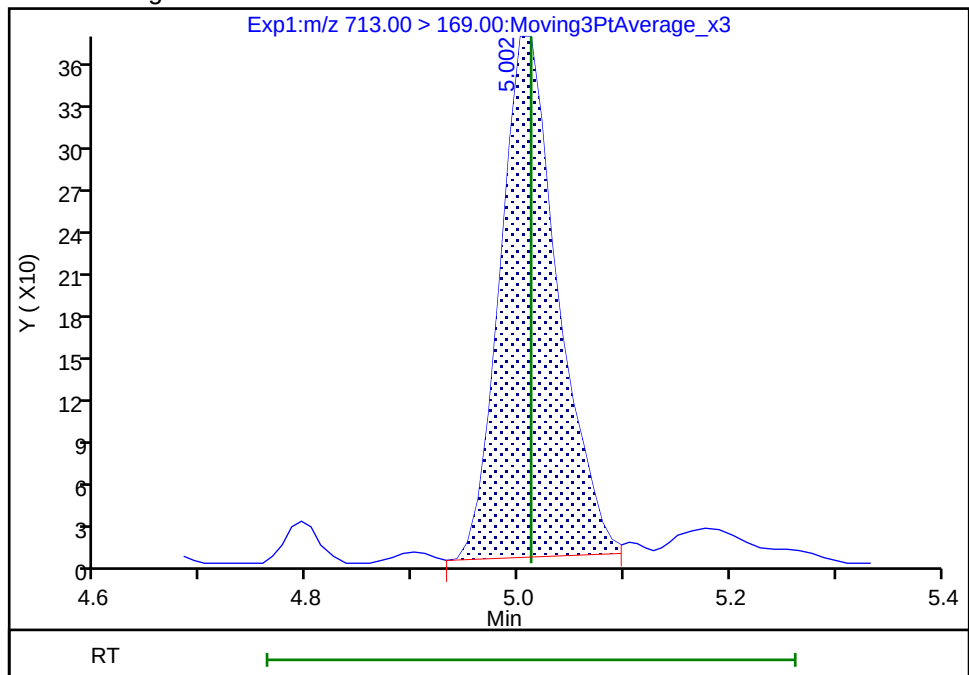
RT: 5.01
Area: 1356
Amount: 0.006171
Amount Units: ng/ml

Processing Integration Results



RT: 5.00
Area: 1409
Amount: 0.006412
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:26:28
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

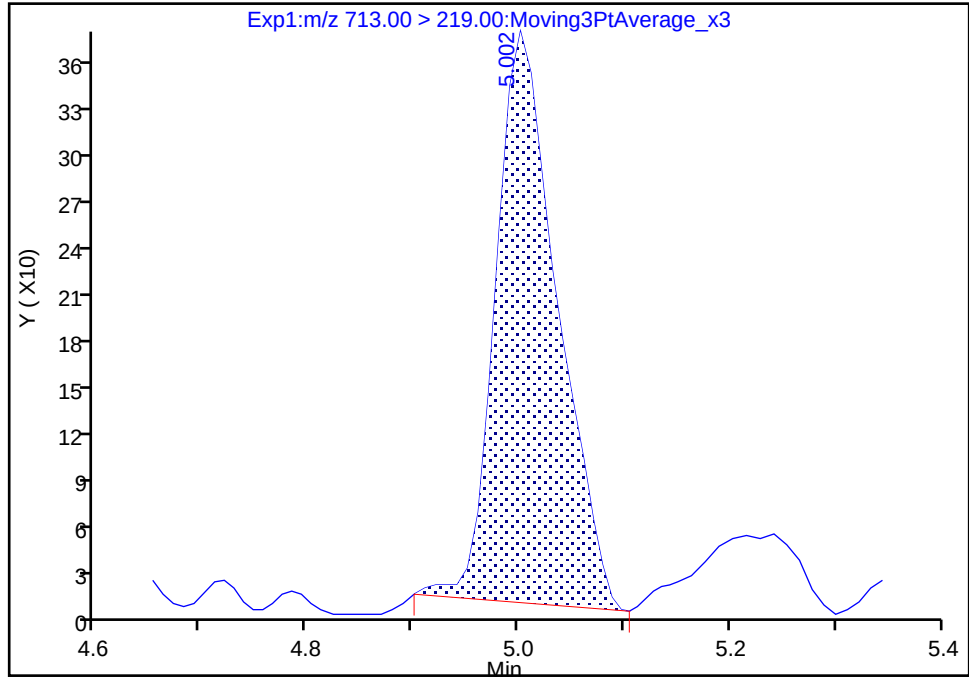
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

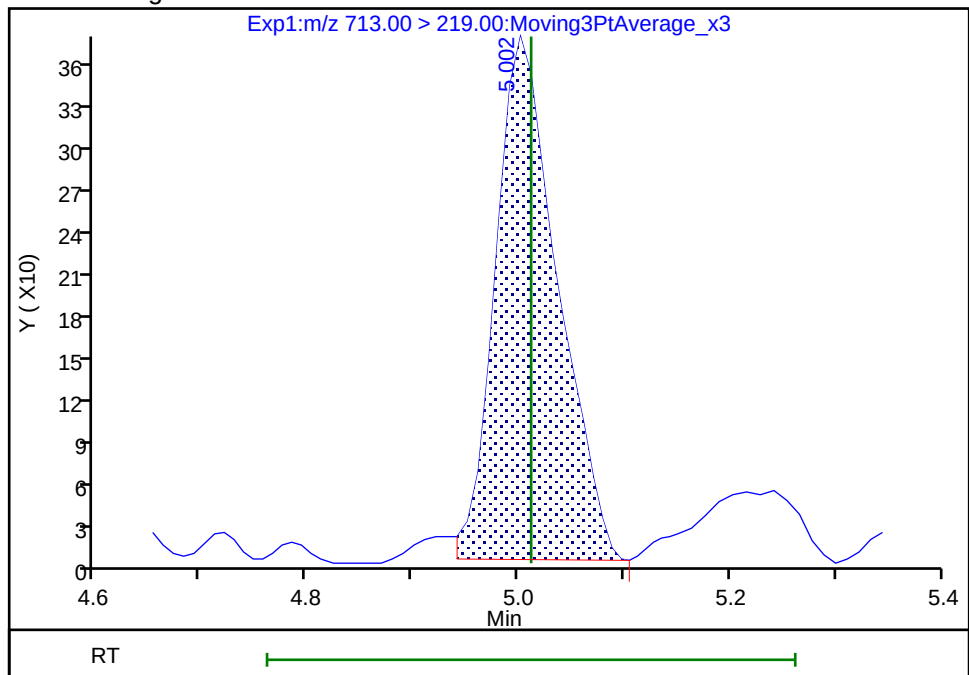
RT: 5.00
Area: 1502
Amount: 0.006171
Amount Units: ng/ml

Processing Integration Results



RT: 5.00
Area: 1526
Amount: 0.006412
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:26:30

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

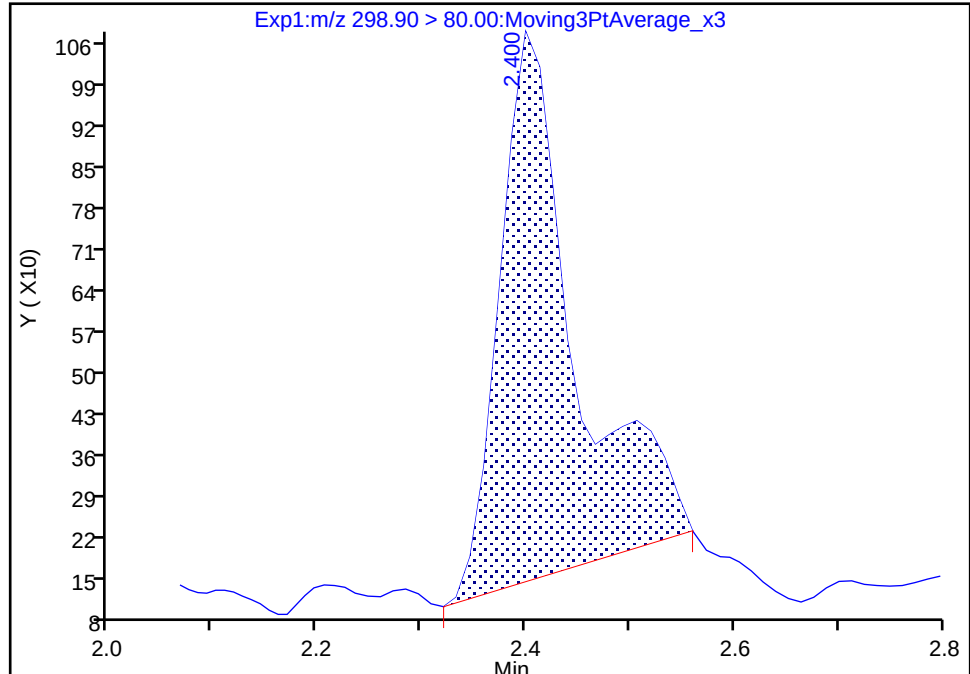
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

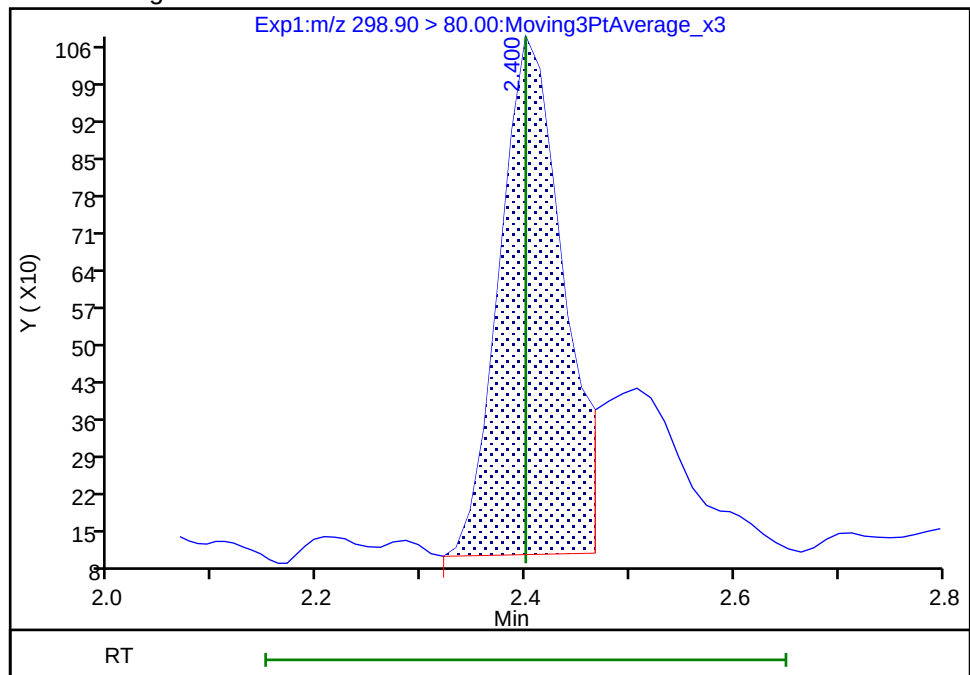
RT: 2.40
Area: 4687
Amount: 0.002285
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 4101
Amount: 0.001999
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:20:49
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

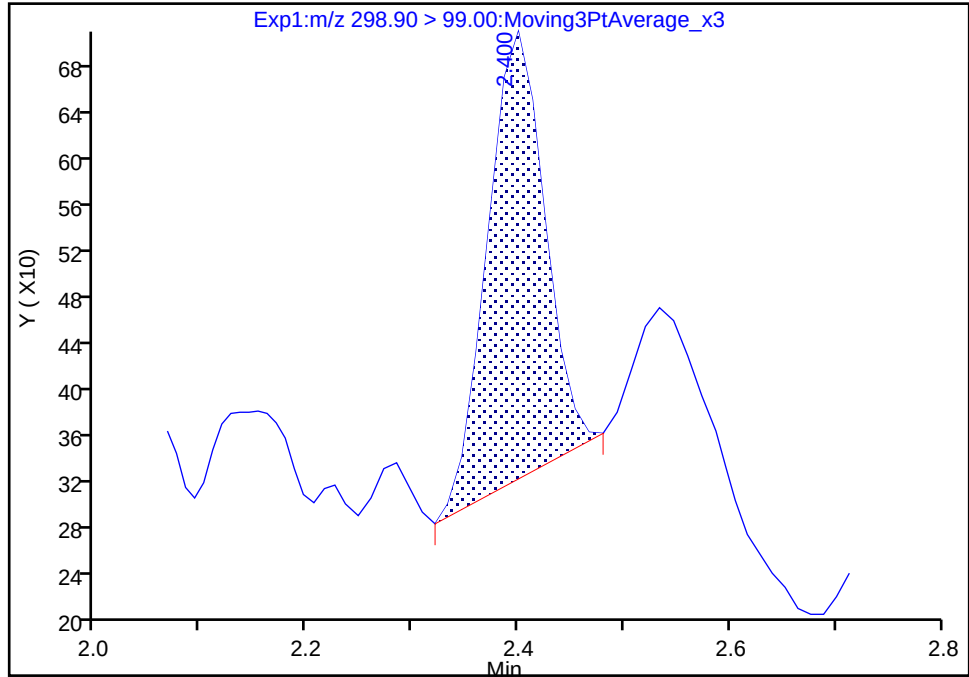
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

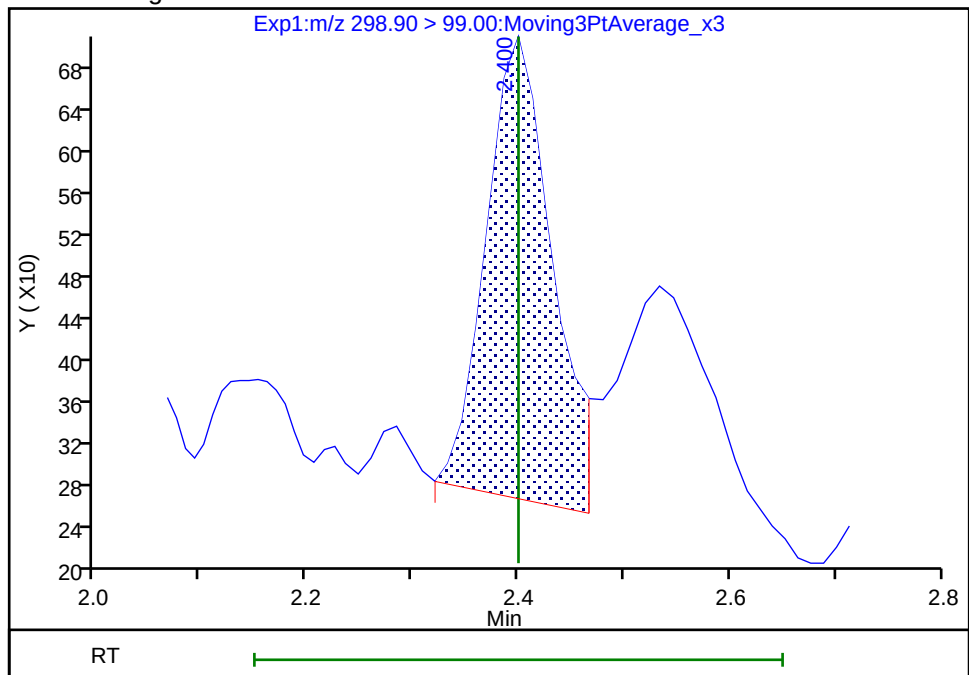
RT: 2.40
Area: 1438
Amount: 0.002285
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 1875
Amount: 0.001999
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:20:52

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

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Eurofins Burlington

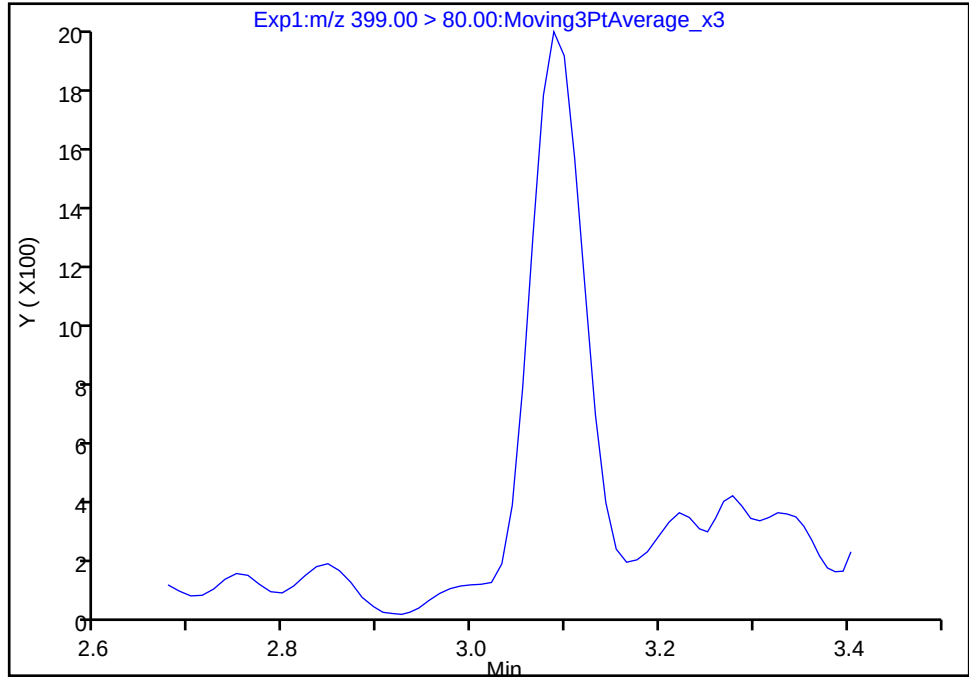
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

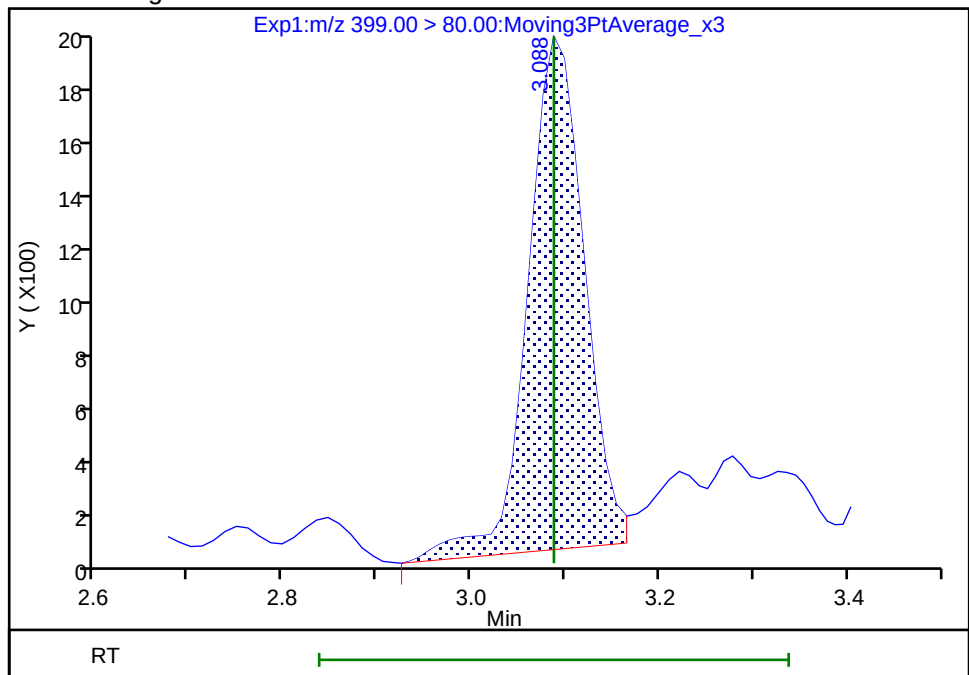
Not Detected
Expected RT: 3.09

Processing Integration Results



Manual Integration Results

RT: 3.09
Area: 7928
Amount: 0.005284
Amount Units: ng/ml



Reviewer: Z1IP, 21-Nov-2022 08:21:32

Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins Burlington

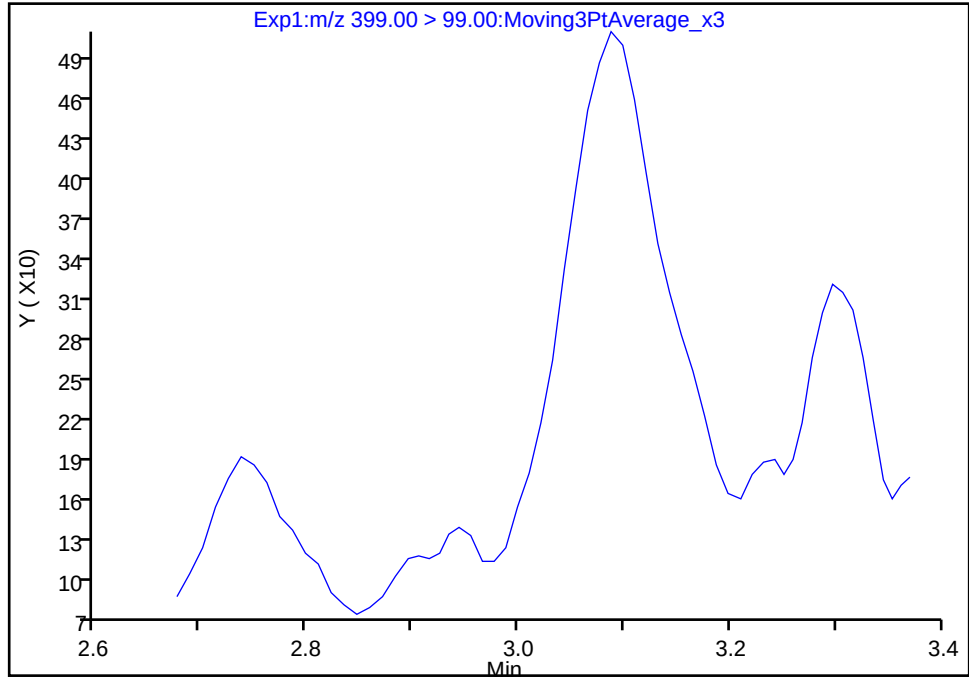
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

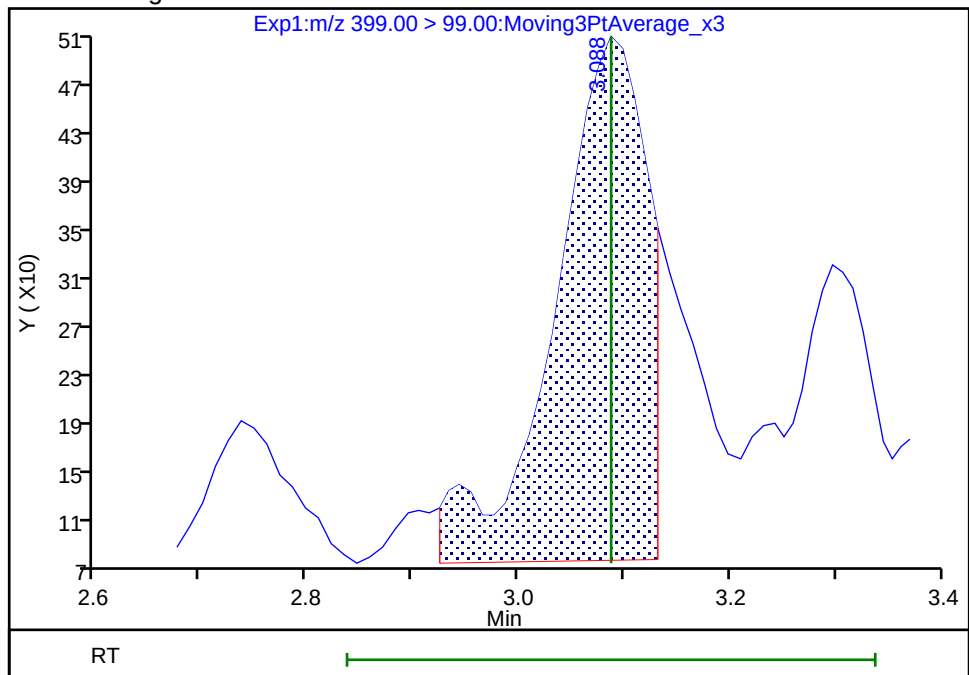
Not Detected
Expected RT: 3.09

Processing Integration Results



Manual Integration Results

RT: 3.09
Area: 2543
Amount: 0.005284
Amount Units: ng/ml



Reviewer: Z1IP, 21-Nov-2022 08:21:40

Audit Action: Manually Integrated

Audit Reason: Missed Peak

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Eurofins Burlington

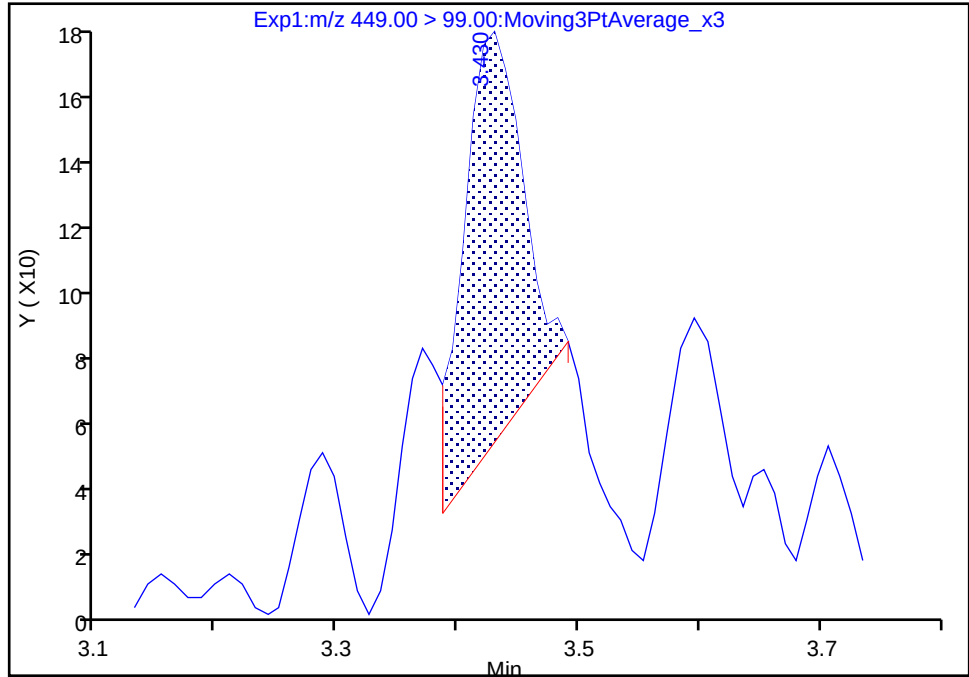
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

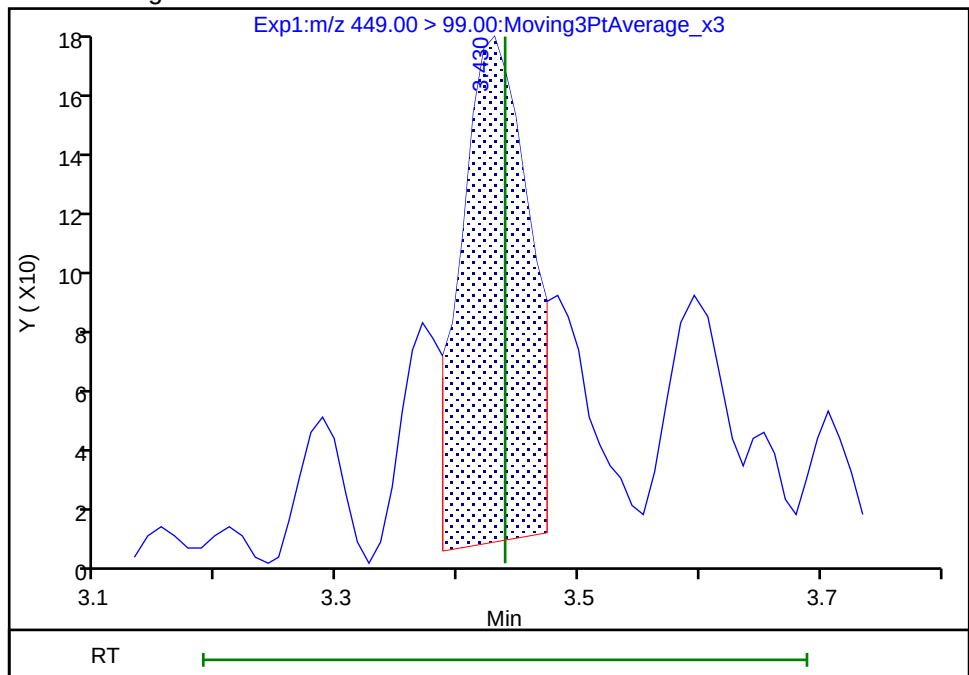
RT: 3.43
Area: 411
Amount: 0.001467
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 631
Amount: 0.001343
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:22:17
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

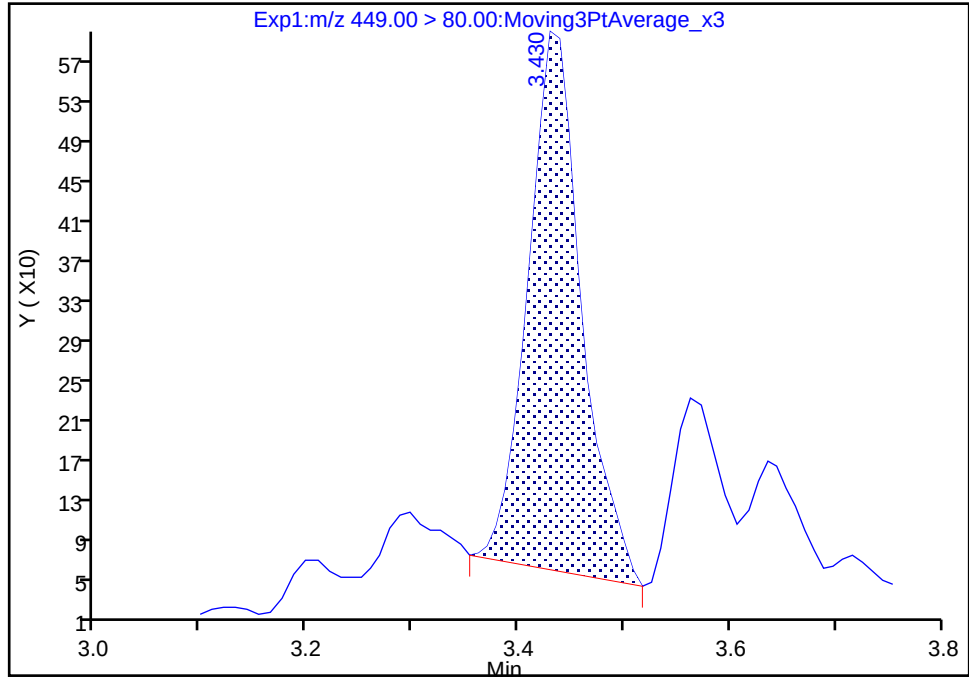
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

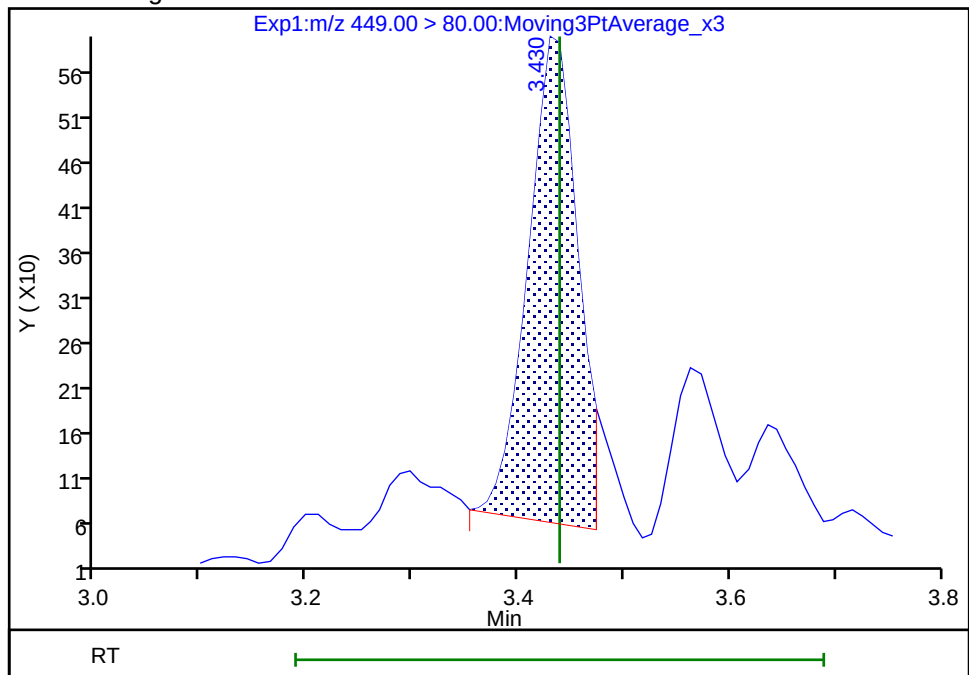
RT: 3.43
Area: 1891
Amount: 0.001467
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 1731
Amount: 0.001343
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:22:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

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Eurofins Burlington

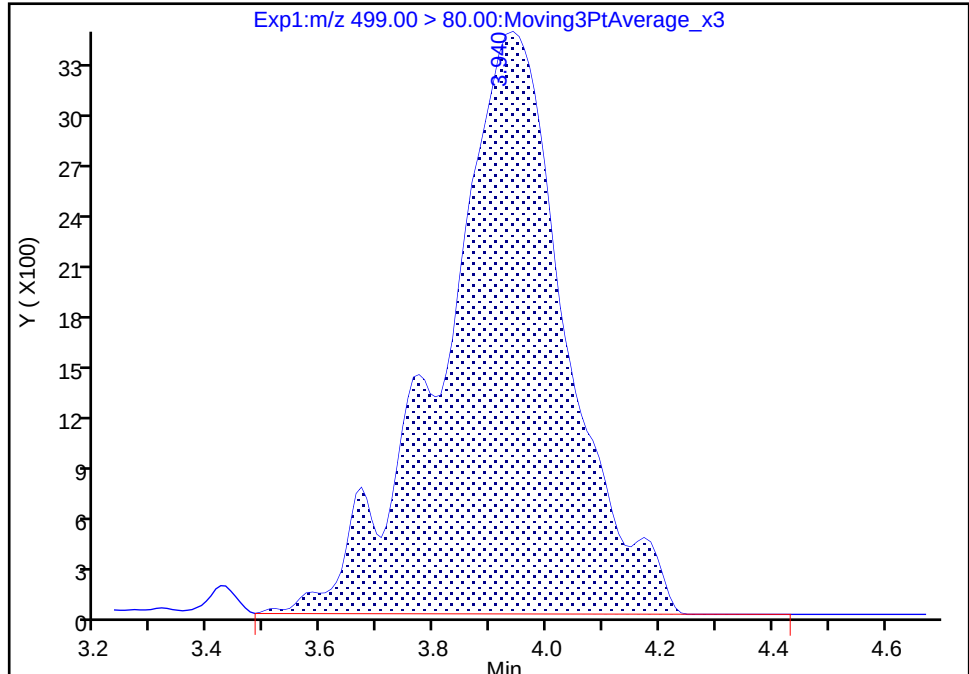
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

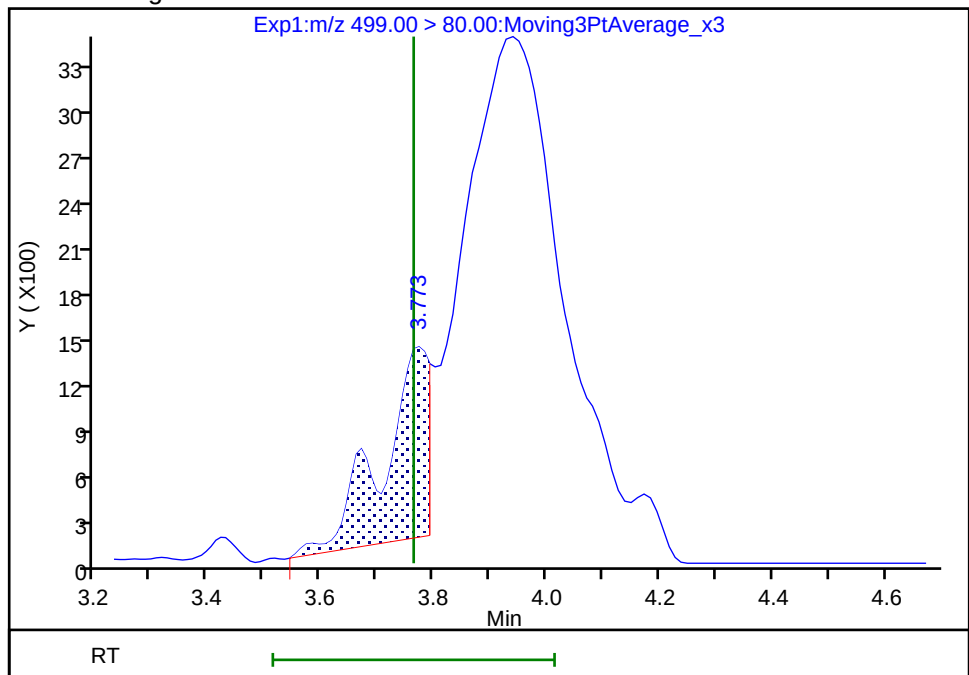
RT: 3.94
Area: 52204
Amount: 0.046510
Amount Units: ng/ml

Processing Integration Results



RT: 3.77
Area: 6863
Amount: 0.006115
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:23:01
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

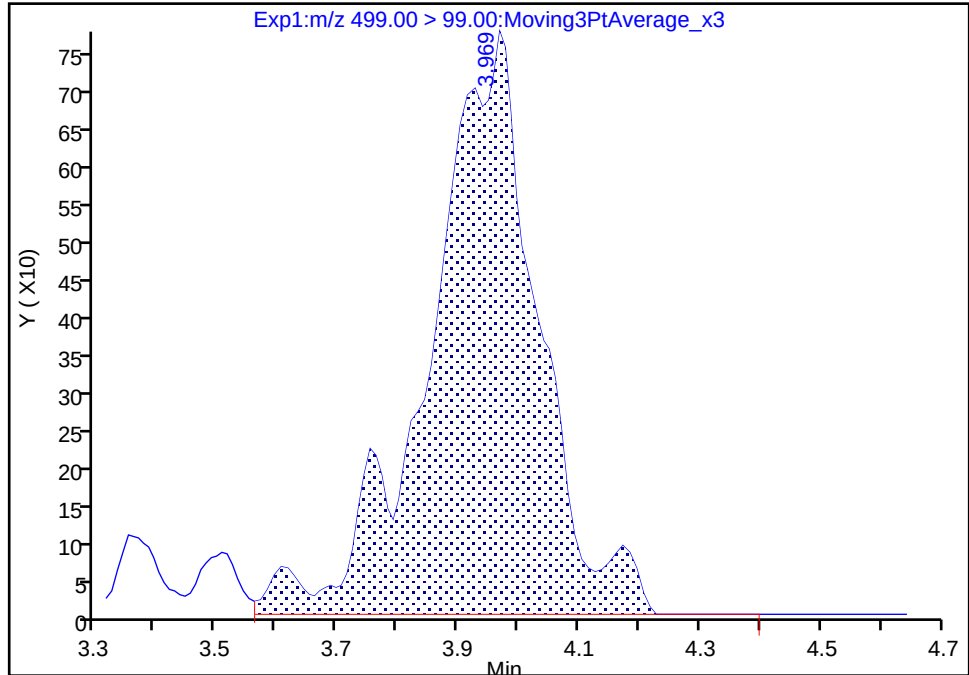
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

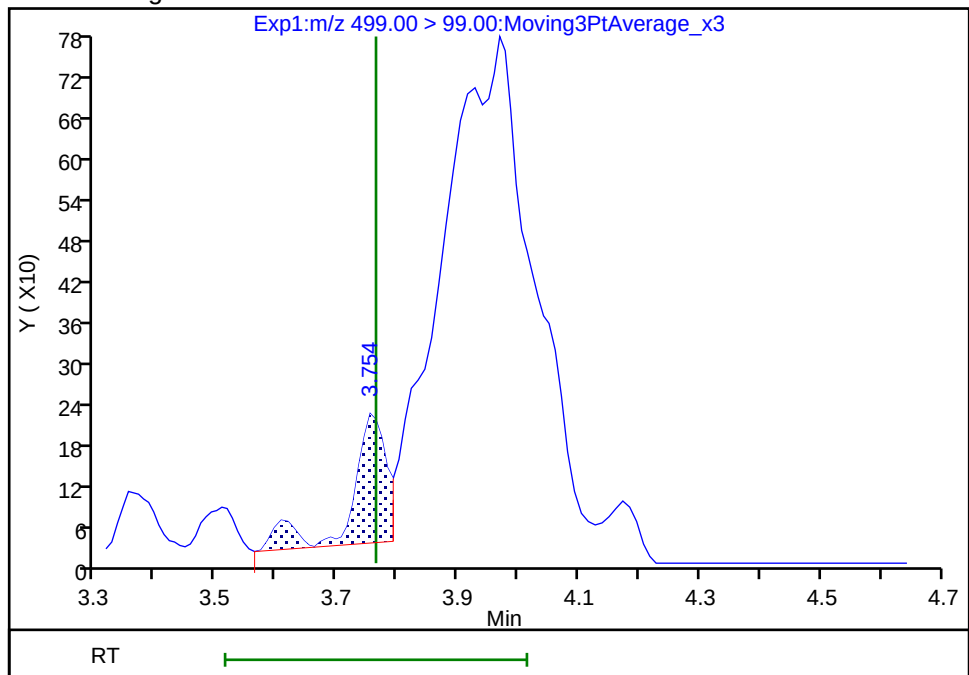
RT: 3.97
Area: 9705
Amount: 0.046510
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 740
Amount: 0.006115
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:23:04

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

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12/27/2022
2:52 PM

Eurofins Burlington

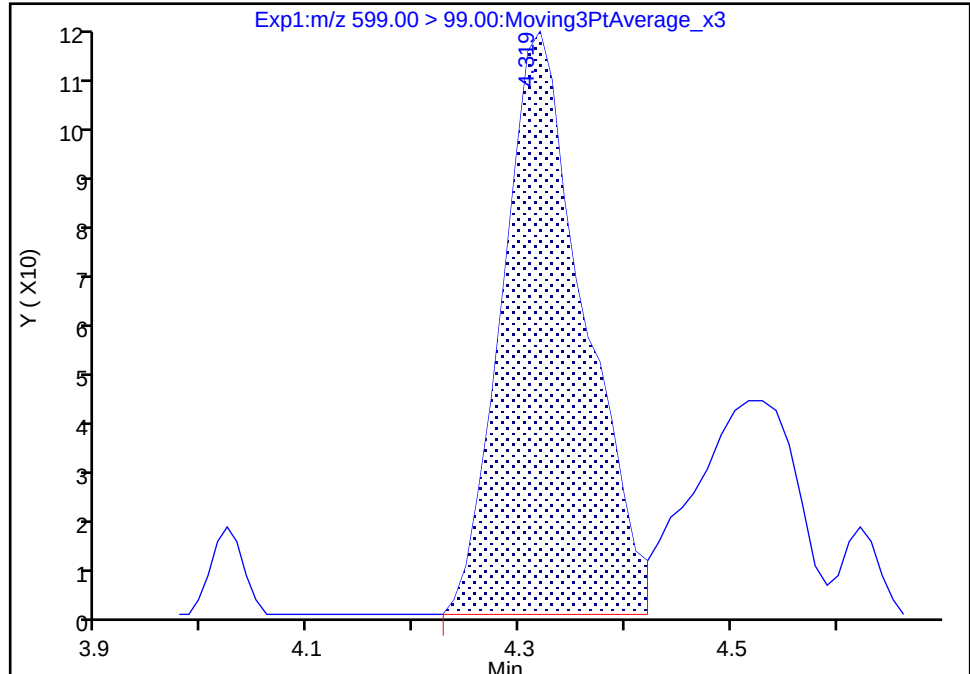
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

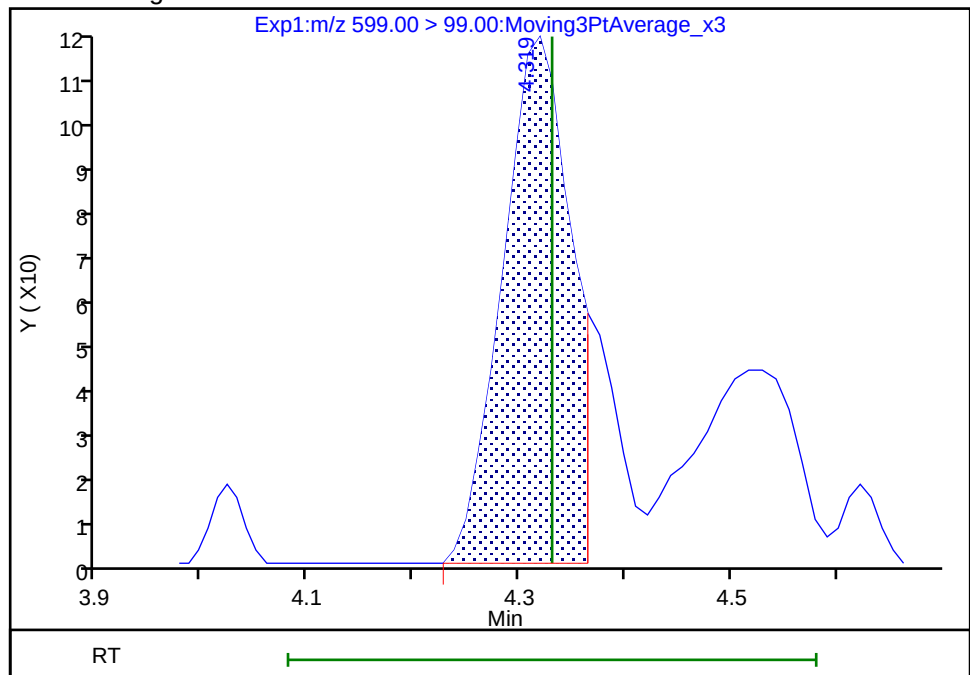
RT: 4.32
Area: 641
Amount: 0.002521
Amount Units: ng/ml

Processing Integration Results



RT: 4.32
Area: 530
Amount: 0.002521
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:24:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

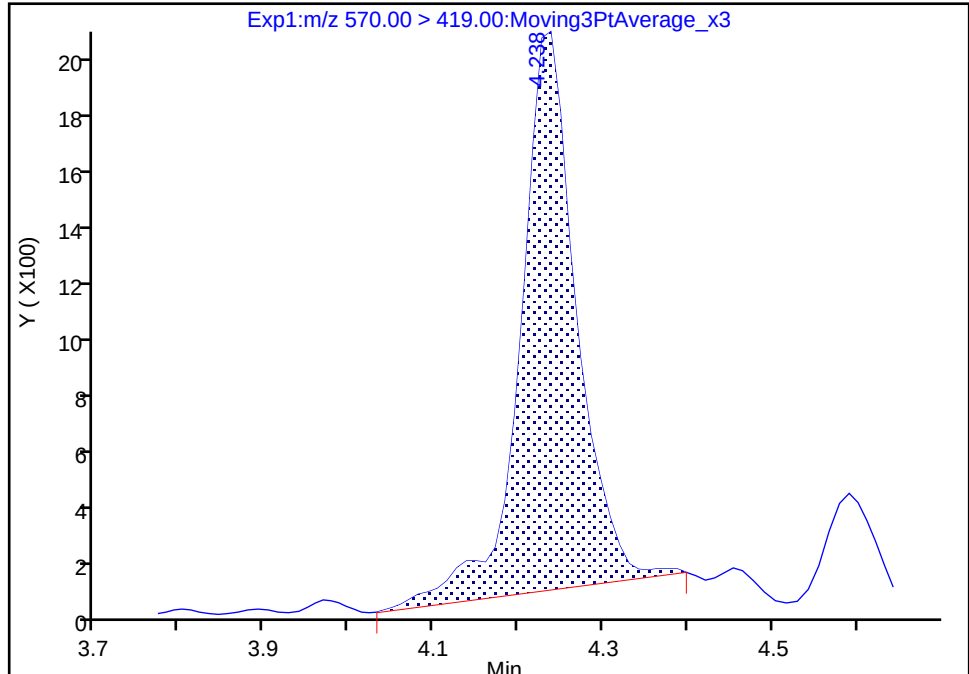
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

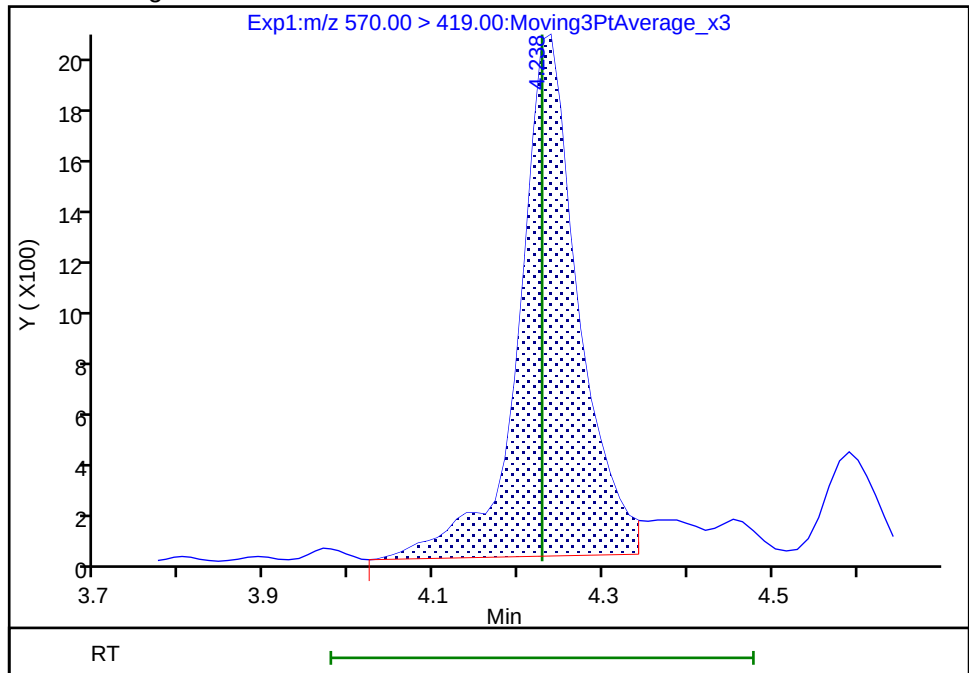
RT: 4.24
Area: 9316
Amount: 0.014803
Amount Units: ng/ml

Processing Integration Results



RT: 4.24
Area: 10172
Amount: 0.017231
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:24:18
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

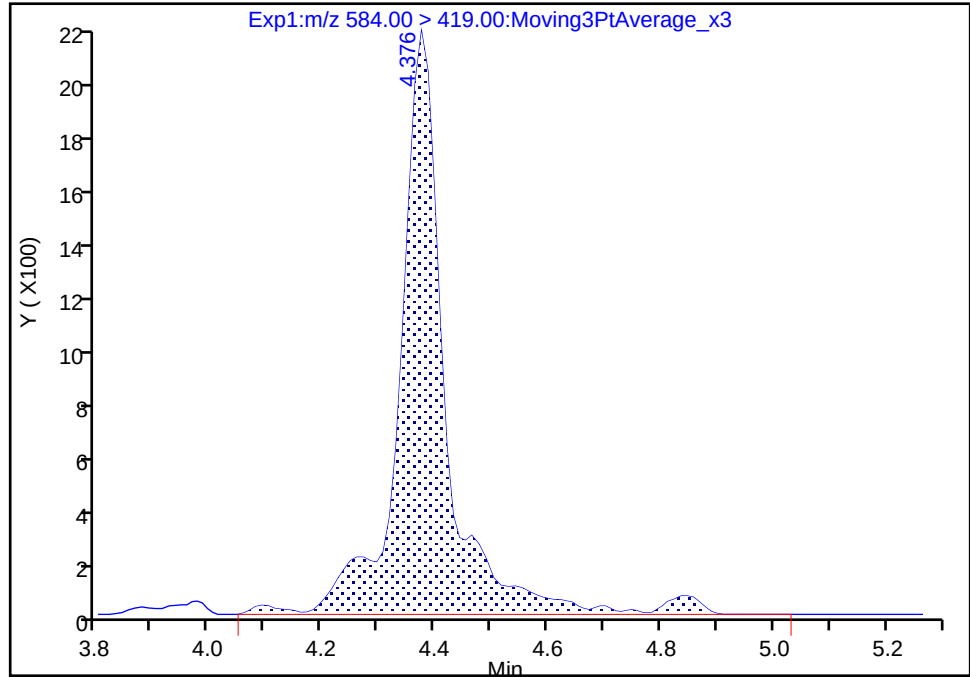
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

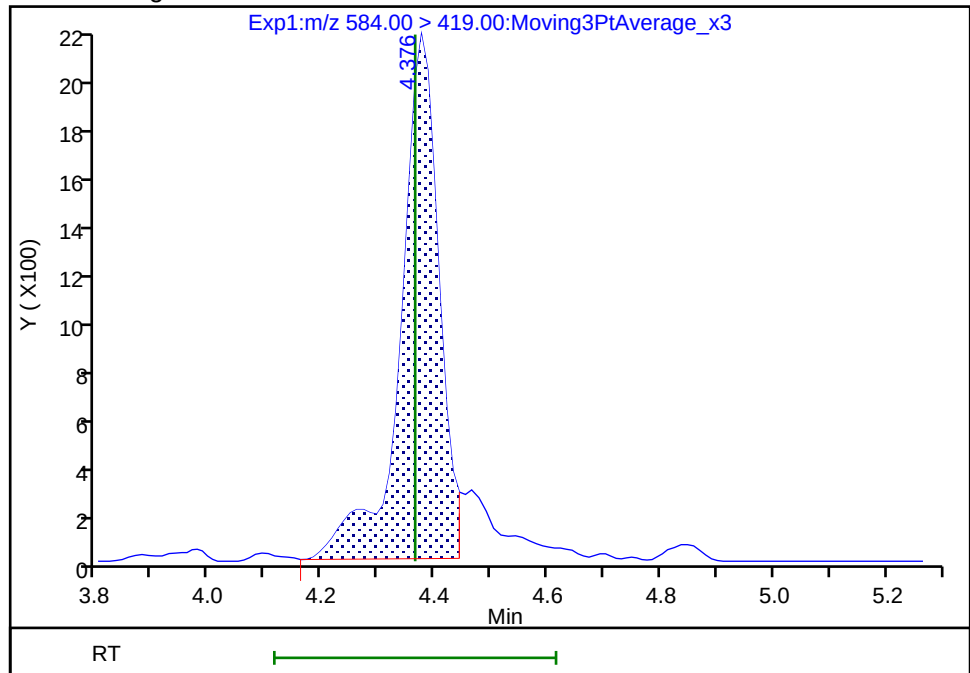
RT: 4.38
Area: 12637
Amount: 0.035132
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 10302
Amount: 0.028856
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:24:55
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

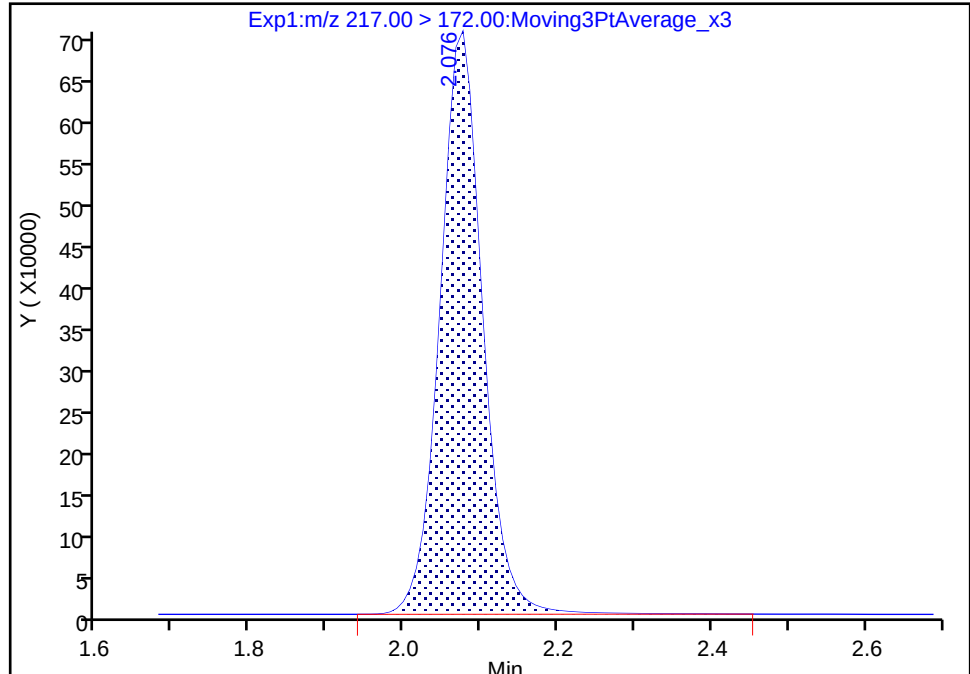
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

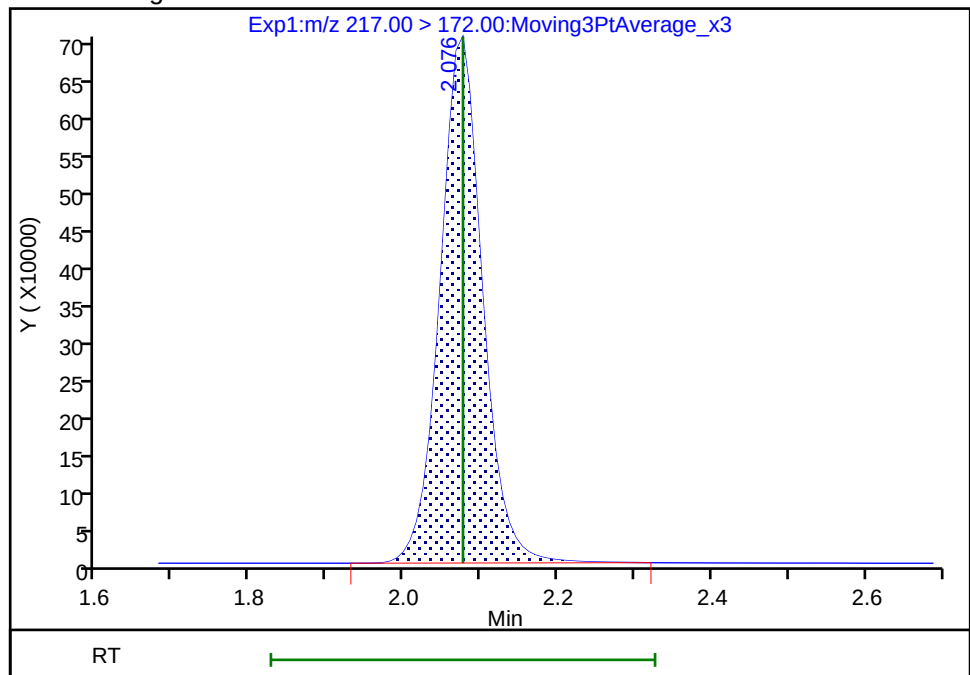
RT: 2.08
Area: 2698297
Amount: 1.324270
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 2690789
Amount: 1.320585
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:20:09

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

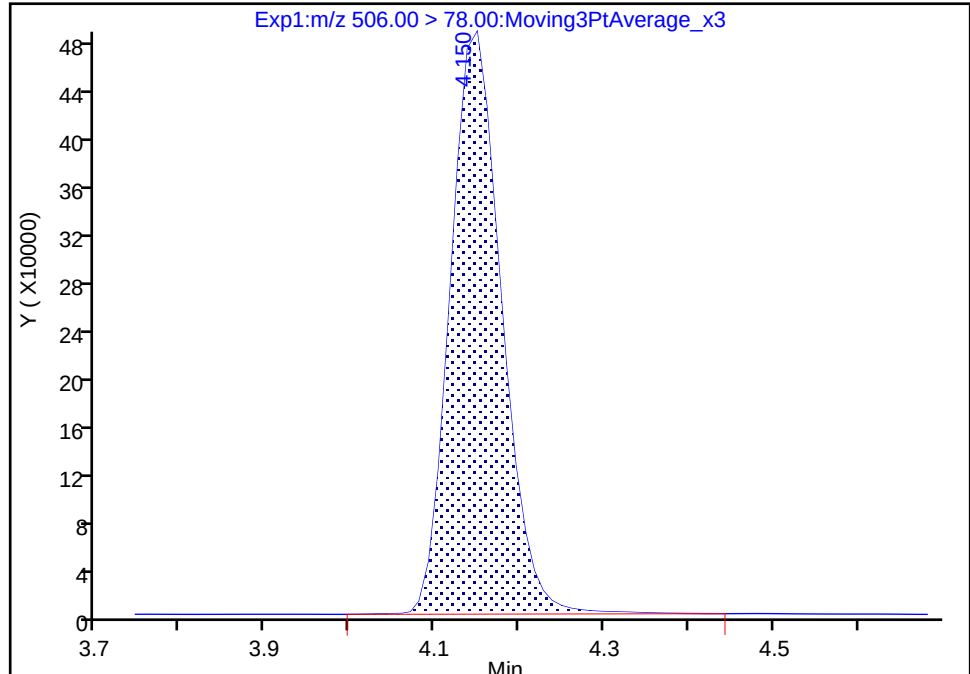
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

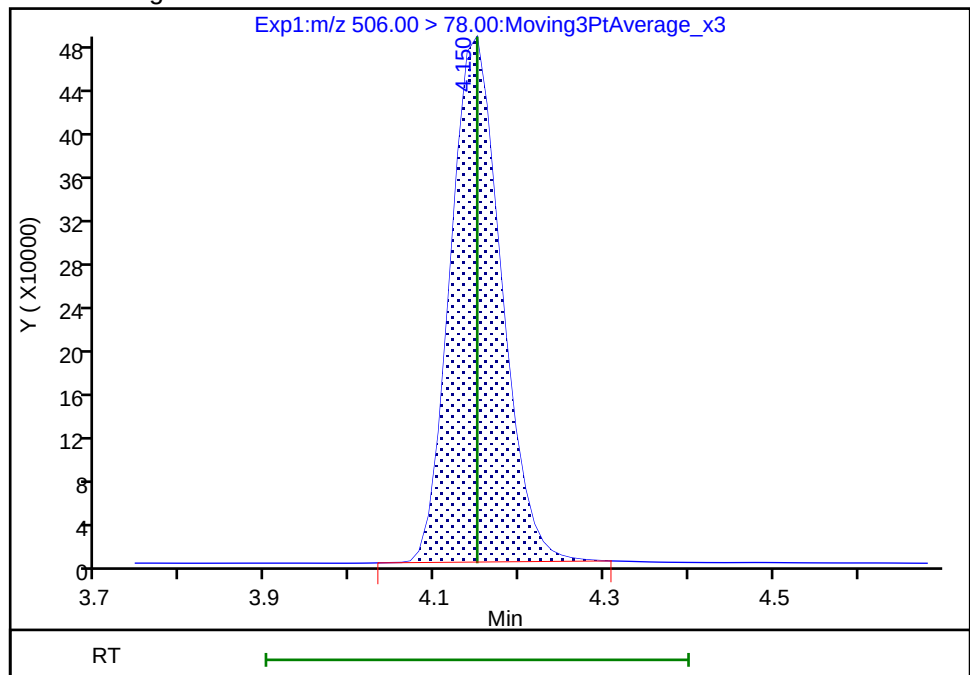
RT: 4.15
Area: 2062770
Amount: 1.351404
Amount Units: ng/ml

Processing Integration Results



RT: 4.15
Area: 2040818
Amount: 1.337023
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:24:03

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

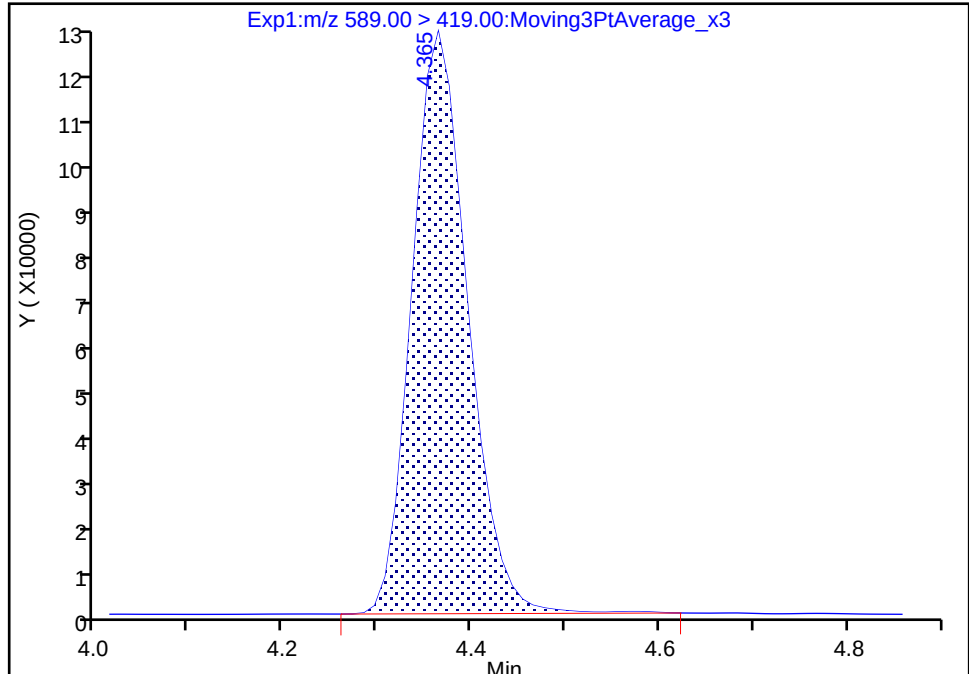
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 32 d5-NEtFOSAA, CAS: STL02117

Signal: 1

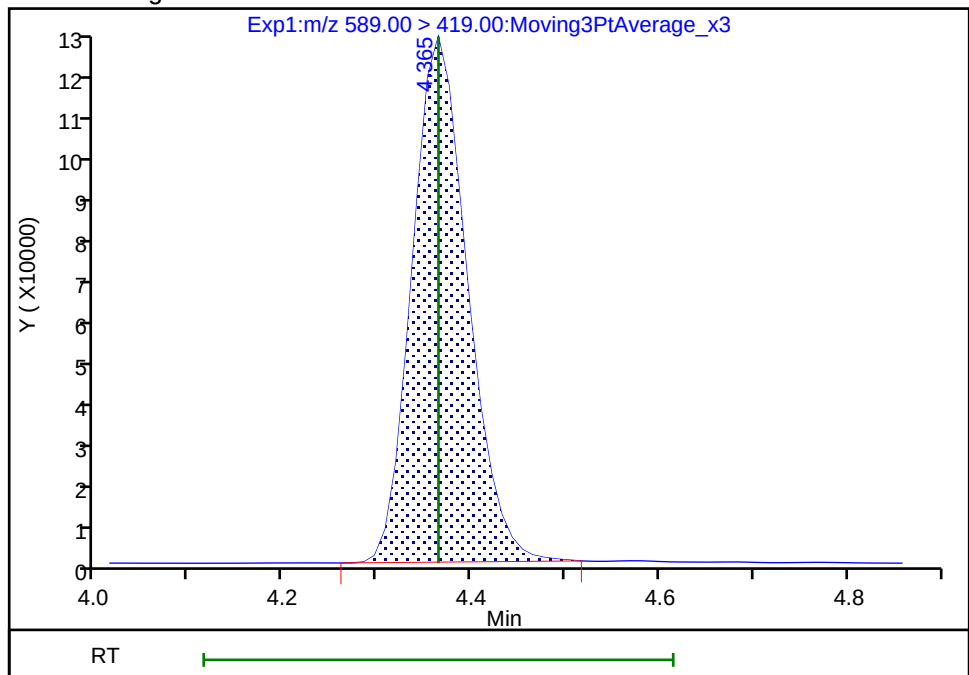
RT: 4.36
Area: 502236
Amount: 1.345514
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 498484
Amount: 1.335462
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:25:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

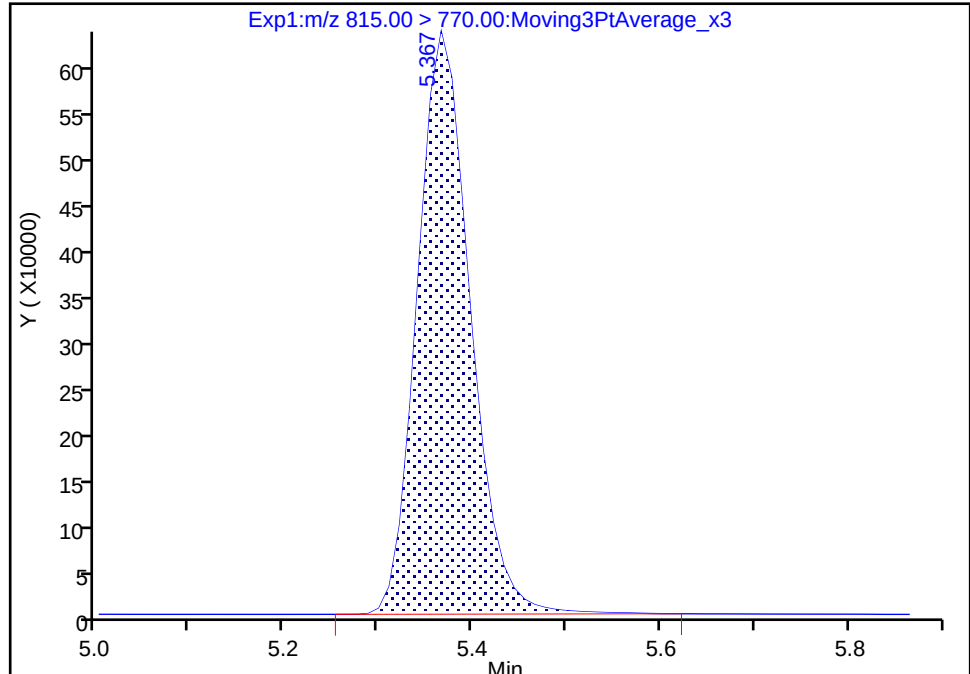
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

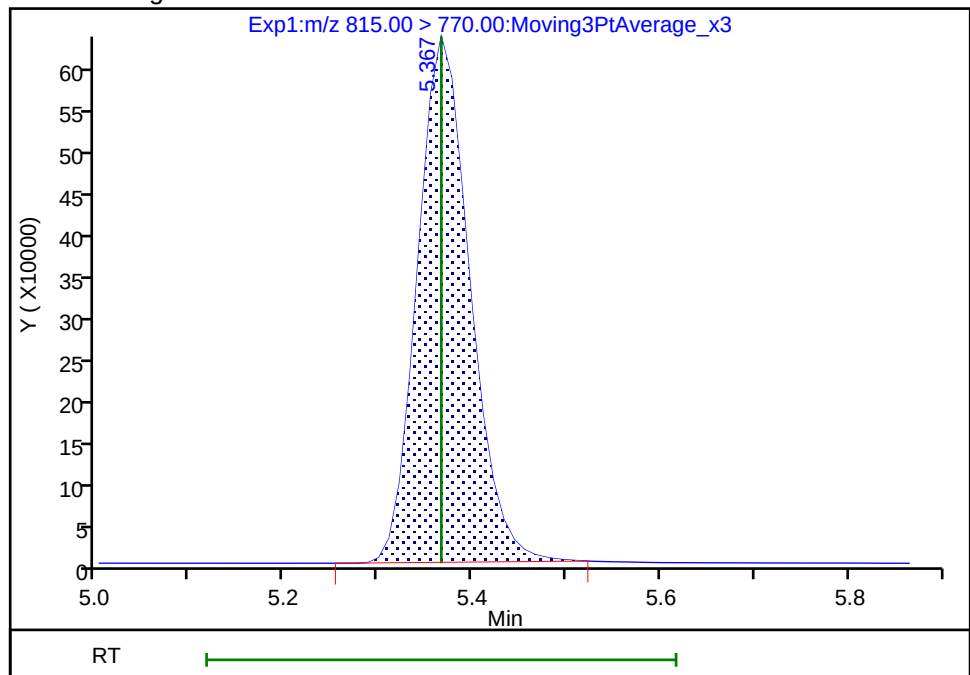
RT: 5.37
Area: 2475462
Amount: 1.332836
Amount Units: ng/ml

Processing Integration Results



RT: 5.37
Area: 2453441
Amount: 1.320980
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:26:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-271302-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 200-186815/2-A

Matrix: Solid Lab File ID: PA221219B03.d

Analysis Method: 537 (modified) Date Collected: _____

Extraction Method: SHAKE Date Extracted: 12/16/2022 16:11

Sample wt/vol: 5.00 (g) Date Analyzed: 12/19/2022 18:28

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.: 186872 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	1.898		0.50	0.33
2706-90-3	Perfluoropentanoic acid (PFPeA)	1.806		0.20	0.055
307-24-4	Perfluorohexanoic acid (PFHxA)	1.901		0.20	0.046
375-85-9	Perfluoroheptanoic acid (PFHpA)	1.880		0.20	0.039
335-67-1	Perfluorooctanoic acid (PFOA)	1.907		0.20	0.058
375-95-1	Perfluorononanoic acid (PFNA)	1.952		0.20	0.034
335-76-2	Perfluorodecanoic acid (PFDA)	1.826		0.20	0.028
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1.907		0.20	0.027
307-55-1	Perfluorododecanoic acid (PFDoA)	1.946		0.20	0.025
72629-94-8	Perfluorotridecanoic acid (PFTriA)	1.751		0.20	0.025
376-06-7	Perfluorotetradecanoic acid (PFTeA)	1.741		0.20	0.026
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.656		0.20	0.033
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.710		0.20	0.041
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	1.809		0.20	0.023
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.715		0.20	0.11
335-77-3	Perfluorodecanesulfonic acid (PFDS)	1.670		0.20	0.019
754-91-6	Perfluorooctanesulfonamide (FOSA)	1.857		0.20	0.034
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.087		2.00	0.11
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.839	J	2.00	0.083
27619-97-2	6:2 FTS	1.925	J	2.00	0.057
39108-34-4	8:2 FTS	1.828	J	2.00	0.037

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-271302-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 200-186815/2-A
 Matrix: Solid Lab File ID: PA221219B03.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: SHAKE Date Extracted: 12/16/2022 16:11
 Sample wt/vol: 5.00 (g) Date Analyzed: 12/19/2022 18:28
 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.: 186872 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	87		50-150
STL01892	13C4 PFHpA	86		50-150
STL00990	13C4 PFOA	91		50-150
STL00991	13C4 PFOS	87		50-150
STL00995	13C5 PFNA	87		50-150
STL00992	13C4 PFBA	60		50-150
STL00993	13C2 PFHxA	85		50-150
STL00996	13C2 PFDA	98		50-150
STL00997	13C2 PFUnA	93		50-150
STL00998	13C2 PFDoA	81		50-150
STL01056	13C8 FOSA	86		50-150
STL01893	13C5 PFPeA	79		50-150
STL02116	13C2 PFTeDA	76		50-150
STL02118	d3-NMeFOSAA	85		50-150
STL02117	d5-NEtFOSAA	88		50-150
STL02279	M2-6:2 FTS	89		50-150
STL02280	M2-8:2 FTS	89		50-150
STL02337	13C3 PFBS	81		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B03.d
 Lims ID: LCS 200-186815/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 19-Dec-2022 18:28:14 ALS Bottle#: 3 Worklist Smp#: 3
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: LCS 200-186815/2-A
 Misc. Info.: 200-0053737-003 Plate: 1 Rack: 2
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 22-Dec-2022 09:36:15 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1616

First Level Reviewer: khanphomeea

Date: 20-Dec-2022 09:43:17

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.085	2.076	0.009	0.608	1900178	0.7531		60.2	9200	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.076	0.009	1.000	1487852	0.9491		94.9	129	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.386	2.387	-0.001	0.696	1886539	0.9818		78.5	3070	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.386	2.387	-0.001	1.000	1485142	0.9029		90.3	35.5	M
D 47 13C3 PFBS										
301.90 > 80.00	2.400	2.400	0.0	0.700	1956287	0.9371		80.6	168220	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.413	2.400	0.013	1.006	1594109	0.8280	Target=2.09	93.7	1320	M
298.90 > 99.00	2.413	2.400	0.013	1.006	767266		2.08(1.04-3.13)		409	M
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.689	2.689	0.0	1.000	420818	0.8687		93.0	2462	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.689	2.689	0.0	0.784	183567	1.00		85.2	181	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.725	2.725	0.0	0.795	2141434	1.06		85.1	3351	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.725	2.725	0.0	1.000	1774114	0.9504	Target=14.25	95.0	336	M
313.00 > 119.00	2.725	2.725	0.0	1.000	133155		13.32(7.12-21.37)		264	M
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.737	2.737	0.0	0.887	1550455	0.8825	Target=3.04	94.1	2234	
349.00 > 99.00	2.725	2.737	-0.012	0.883	517129		3.00(1.52-4.56)		1002	
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.835	2.835	0.0	1.000	296983	0.9271		92.7	1034	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.835	2.835	0.0	0.826	379215	1.07		85.4	1978	
D 11 18O2 PFHxS										
403.00 > 84.00	3.087	3.088	-0.001	0.900	1555727	1.02		86.5	2651	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.087	3.088	-0.001	1.000	1269264	0.8548	Target=3.66	93.9	1497	M
399.00 > 99.00	3.076	3.088	-0.012	0.996	371608		3.42(1.83-5.49)		484	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.087	3.099	-0.012	0.900	2222965	1.07		85.9	2406	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.087	3.099	-0.012	1.000	1820223	0.9401	Target=3.97	94.0	380	
363.00 > 169.00	3.087	3.099	-0.012	1.000	468033		3.89(1.98-5.95)		833	M
77 DONA										
377.00 > 251.00	3.121	3.132	-0.011	0.833	4499051	0.9097	Target=3.16	96.6	4183	
377.00 > 85.00	3.121	3.132	-0.011	0.833	1429719		3.15(1.58-4.73)		1366	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.421	3.439	-0.018	0.997	268772	1.05		88.7	1161	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.421	3.439	-0.018	1.000	465860	0.9625		102	917	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.421	3.439	-0.018	0.914	1134490	0.9044	Target=5.14	95.0	1456	M
449.00 > 99.00	3.421	3.439	-0.018	0.914	230657		4.92(2.57-7.72)		722	M
D 14 13C4 PFOA										
417.00 > 372.00	3.430	3.448	-0.018	1.000	2653593	1.14		91.2	6716	
* 62 13C2 PFOA										
415.00 > 370.00	3.430	3.448	-0.018		2811683	1.25			4141	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.439	3.448	-0.009	1.003	2164317	0.9537	Target=2.79	95.4	157	M
413.00 > 169.00	3.430	3.448	-0.018	1.000	746540		2.90(1.40-4.19)		715	M
D 18 13C4 PFOS										
503.00 > 80.00	3.745	3.764	-0.019	1.092	1073192	1.04		87.0	1997	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.745	3.764	-0.019	1.000	936600	0.8576	Target=5.11	92.4	1092	M
499.00 > 99.00	3.745	3.764	-0.019	1.000	203923		4.59(2.55-7.66)		566	M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.764	3.783	-0.019	1.000	2000958	0.9760	Target=8.55	97.6	405	M
463.00 > 169.00	3.764	3.783	-0.019	1.000	226465		8.84(4.28-12.83)		1736	M
D 19 13C5 PFNA										
468.00 > 423.00	3.764	3.783	-0.019	1.097	2470453	1.09		87.4	3314	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.904	3.928	-0.024	1.042	2249424	0.8974		96.3	4706	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.032	4.050	-0.018	1.077	730850	0.8866	Target=2.53	92.4	2123	
549.00 > 99.00	4.032	4.050	-0.018	1.077	289125		2.53(1.27-3.80)		1307	
D 23 13C2 PFDA										
515.00 > 470.00	4.061	4.081	-0.020	1.184	2823369	1.22		98.0	4949	

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	4.081	-0.020	1.000	2236517	0.9131	Target=10.26	91.3	843	
513.00 > 169.00	4.061	4.081	-0.020	1.000	210631		10.62(5.13-15.38)		445	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.071	4.093	-0.022	1.187	331675	1.06		88.8	1312	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.071	4.093	-0.022	1.000	409447	0.9142		95.4	1749	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.127	4.150	-0.023	1.000	1581259	0.9285		92.9	1580	
D 21 13C8 FOSA										
506.00 > 78.00	4.127	4.150	-0.023	1.203	2037575	1.08		86.2	3105	
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.207	4.228	-0.021	1.227	500385	1.07		85.3	529	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.207	4.228	-0.021	1.000	363284	1.04		104	861	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.308	4.331	-0.023	1.150	543587	0.8351	Target=2.51	86.6	1984	
599.00 > 99.00	4.308	4.331	-0.023	1.150	207389		2.62(1.25-3.76)		1342	
D 30 13C2 PFUnA										
565.00 > 520.00	4.331	4.353	-0.022	1.263	2449920	1.16		92.8	5027	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.331	4.353	-0.022	1.000	1883757	0.9537	Target=9.88	95.4	776	
563.00 > 169.00	4.331	4.353	-0.022	1.000	188777		9.98(4.94-14.82)		1639	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.342	4.365	-0.023	1.000	336232	0.9196		92.0	1146	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.342	4.365	-0.023	1.266	510531	1.10		88.4	1038	
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.432	4.454	-0.022	1.184	3020252	0.7816		83.0	3577	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.567	4.591	-0.024	1.000	1803555	0.9732	Target=7.77	97.3	187	M
613.00 > 169.00	4.567	4.591	-0.024	1.000	222715		8.10(3.89-11.66)		915	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.567	4.591	-0.024	1.332	2186461	1.02		81.3	3500	
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.591	4.612	-0.021	1.128	221124	0.8216		85.2	1035	M
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.740	4.776	-0.036	1.266	206977	0.7516	Target=0.50	77.6	1243	
699.00 > 99.00	4.740	4.776	-0.036	1.266	401630		0.52(0.25-0.76)		2998	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.776	4.804	-0.028	1.046	1551820	0.8756	Target=5.21	87.6	130	M
663.00 > 169.00	4.776	4.804	-0.028	1.046	291468		5.32(2.60-7.81)		985	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	4.972	5.012	-0.040	1.000	168968	0.8707	Target=0.89	87.1	503	M
713.00 > 219.00	4.972	5.012	-0.040	1.000	195547		0.86(0.44-1.33)		844	M
D 43 13C2 PFTeDA										
715.00 > 670.00	4.972	5.012	-0.040	1.449	1771863	0.9525		76.2	4256	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.333	5.367	-0.034	1.000	1462947	0.9358	Target=5.65	93.6	153	M
813.00 > 169.00	5.333	5.367	-0.034	1.000	247448		5.91(2.82-8.47)		1197	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.333	5.367	-0.034	1.555	2087042	0.9075		72.6	4069	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.677	5.722	-0.045	1.064	1198278	0.8714	Target=6.24	87.1	152	M
913.00 > 169.00	5.677	5.722	-0.045	1.064	174348		6.87(3.12-9.36)		598	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B03.d

Injection Date: 19-Dec-2022 18:28:14

Instrument ID: LC812

Lims ID: LCS 200-186815/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#: 3

Worklist Smp#: 3

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

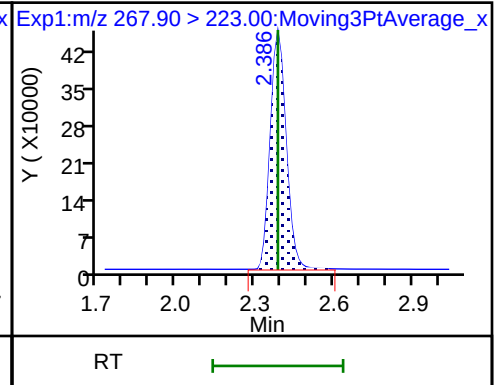
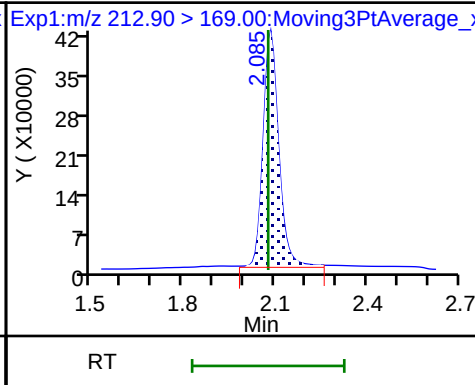
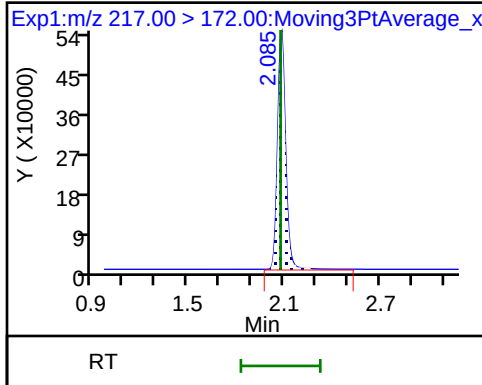
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

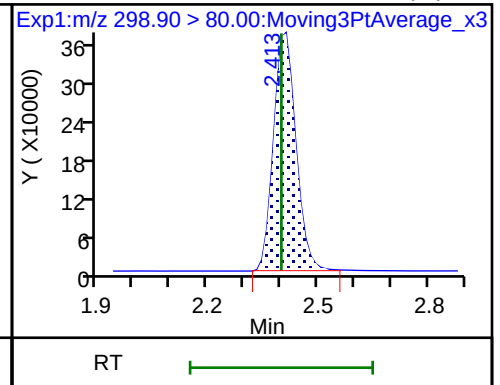
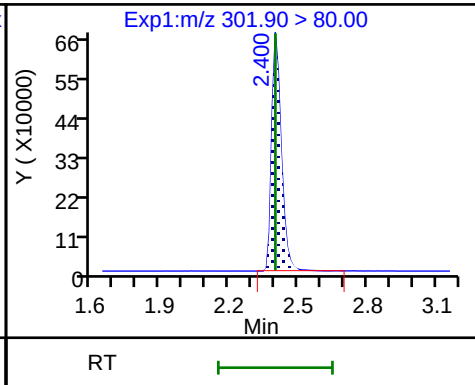
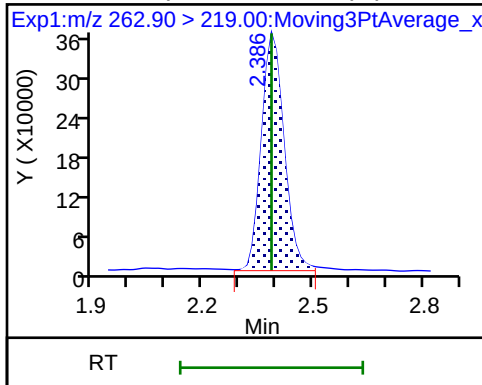
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

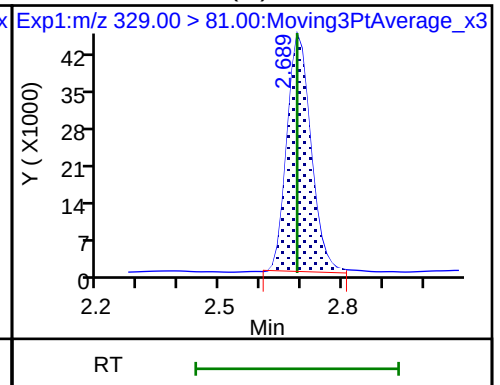
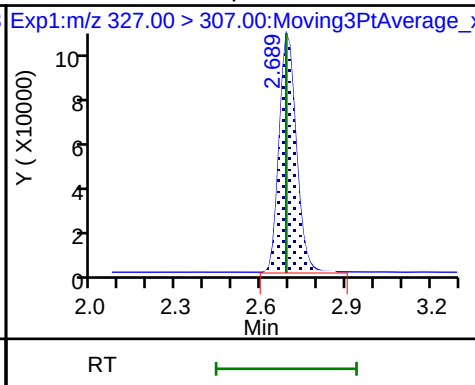
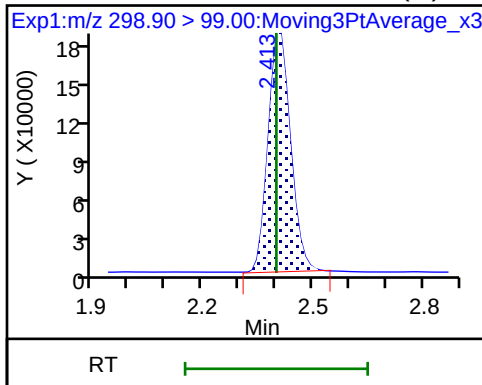
D 47 13C3 PFBS

5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

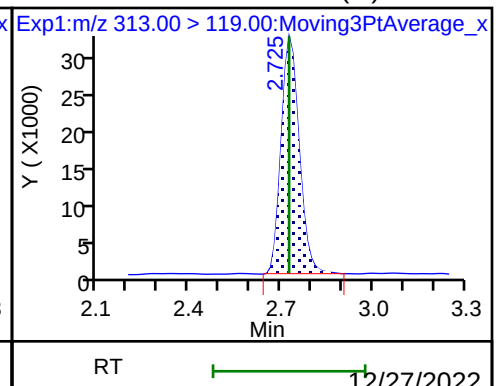
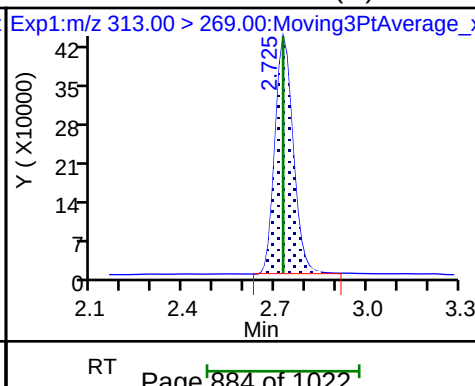
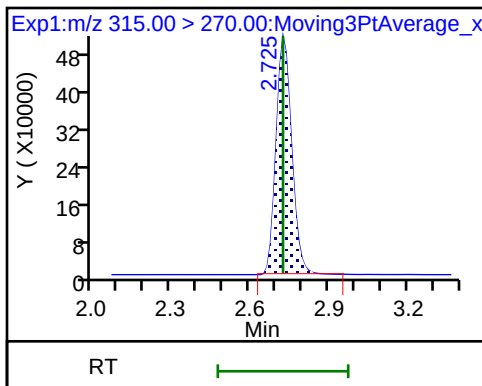
61 1H,1H,2H,2H-perfluorohexanesulfo D 60 M2-4:2 FTS (M)

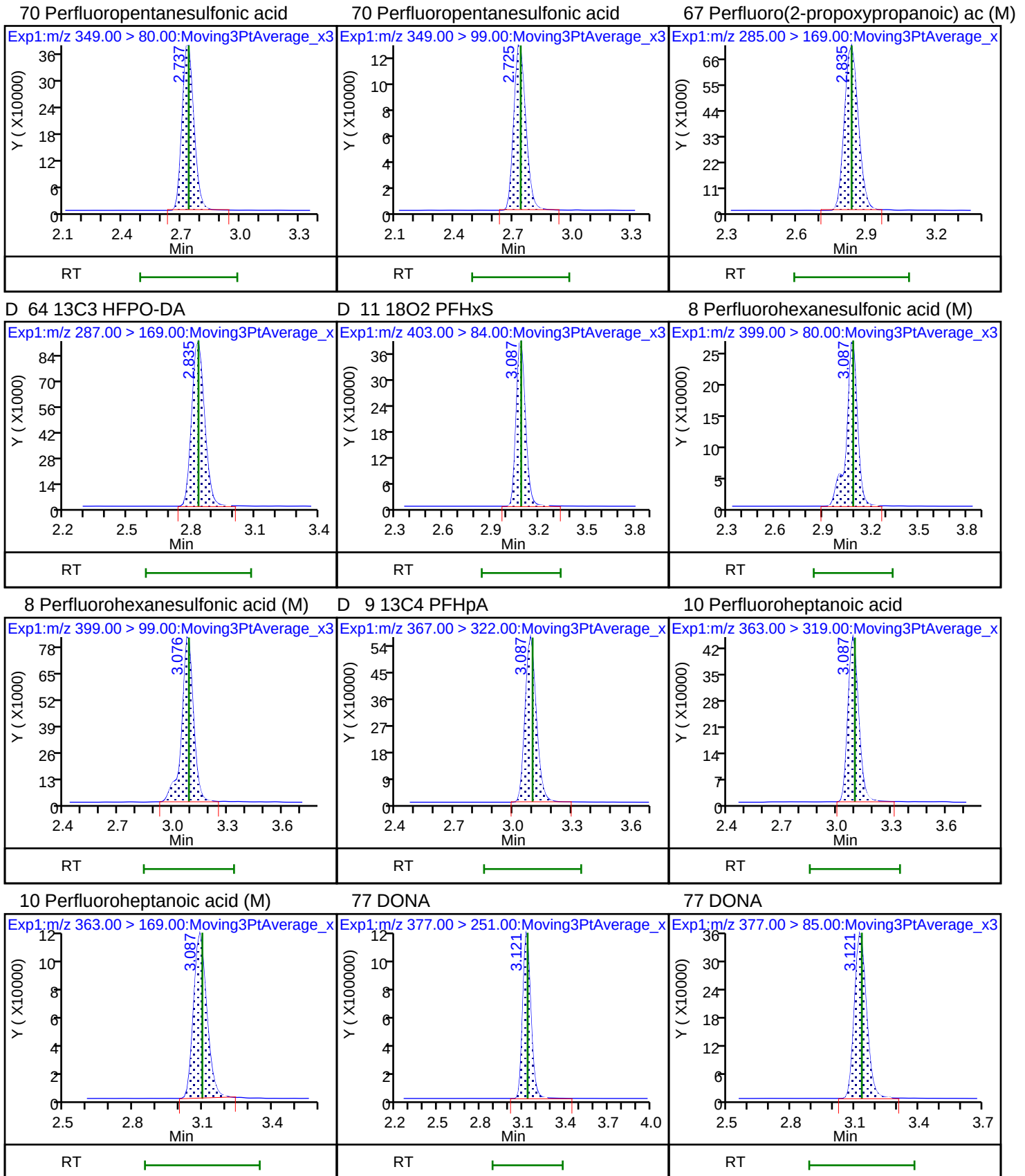


D 7 13C2 PFHxA

6 Perfluorohexanoic acid (M)

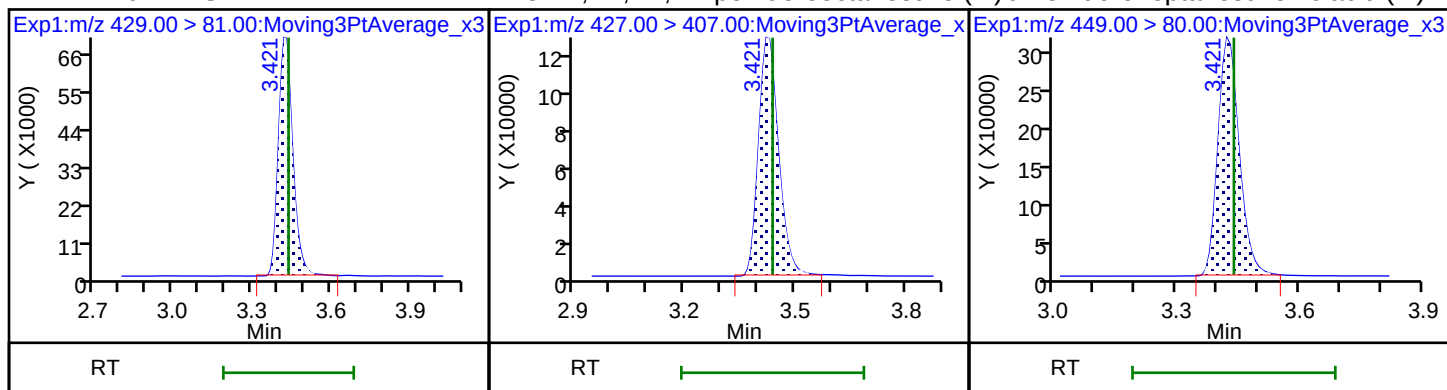
6 Perfluorohexanoic acid (M)





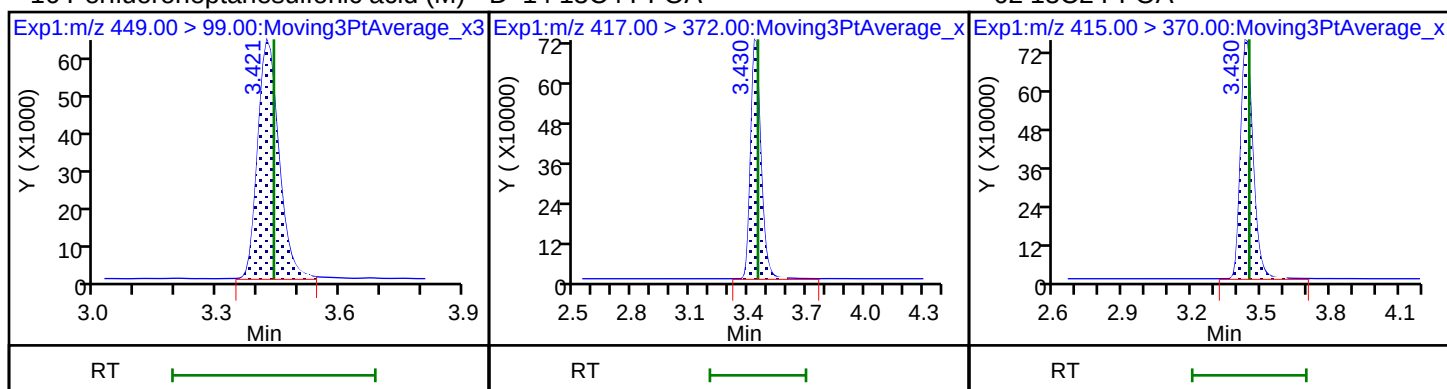
D 12 M2-6:2 FTS

13 1H,1H,2H,2H-perfluorooctanesulfo (M) 16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M) D 14 13C4 PFOA

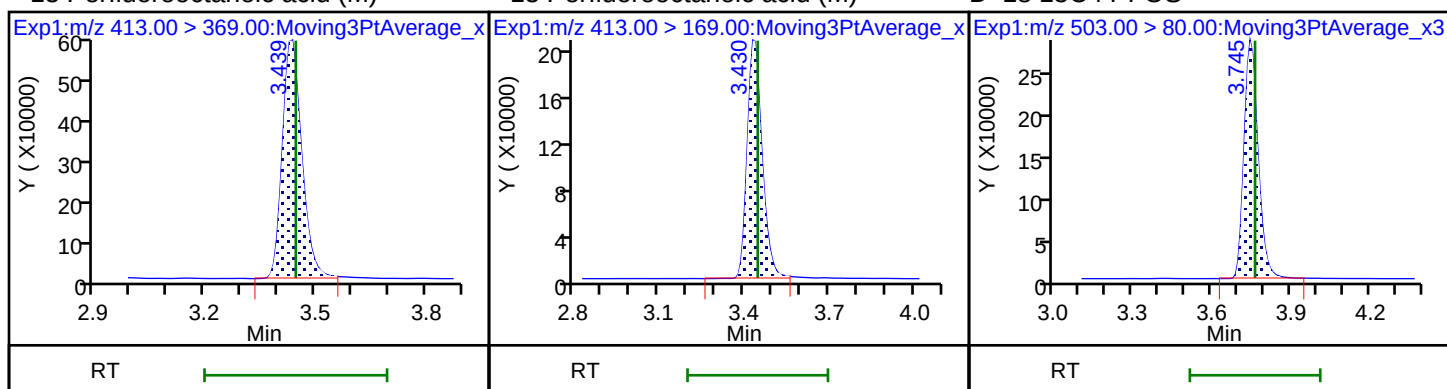
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

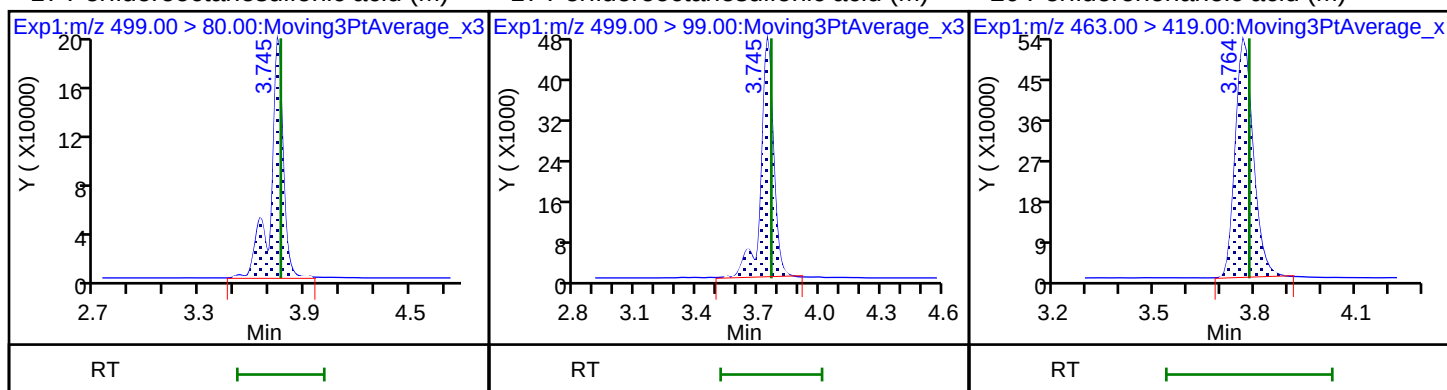
D 18 13C4 PFOS

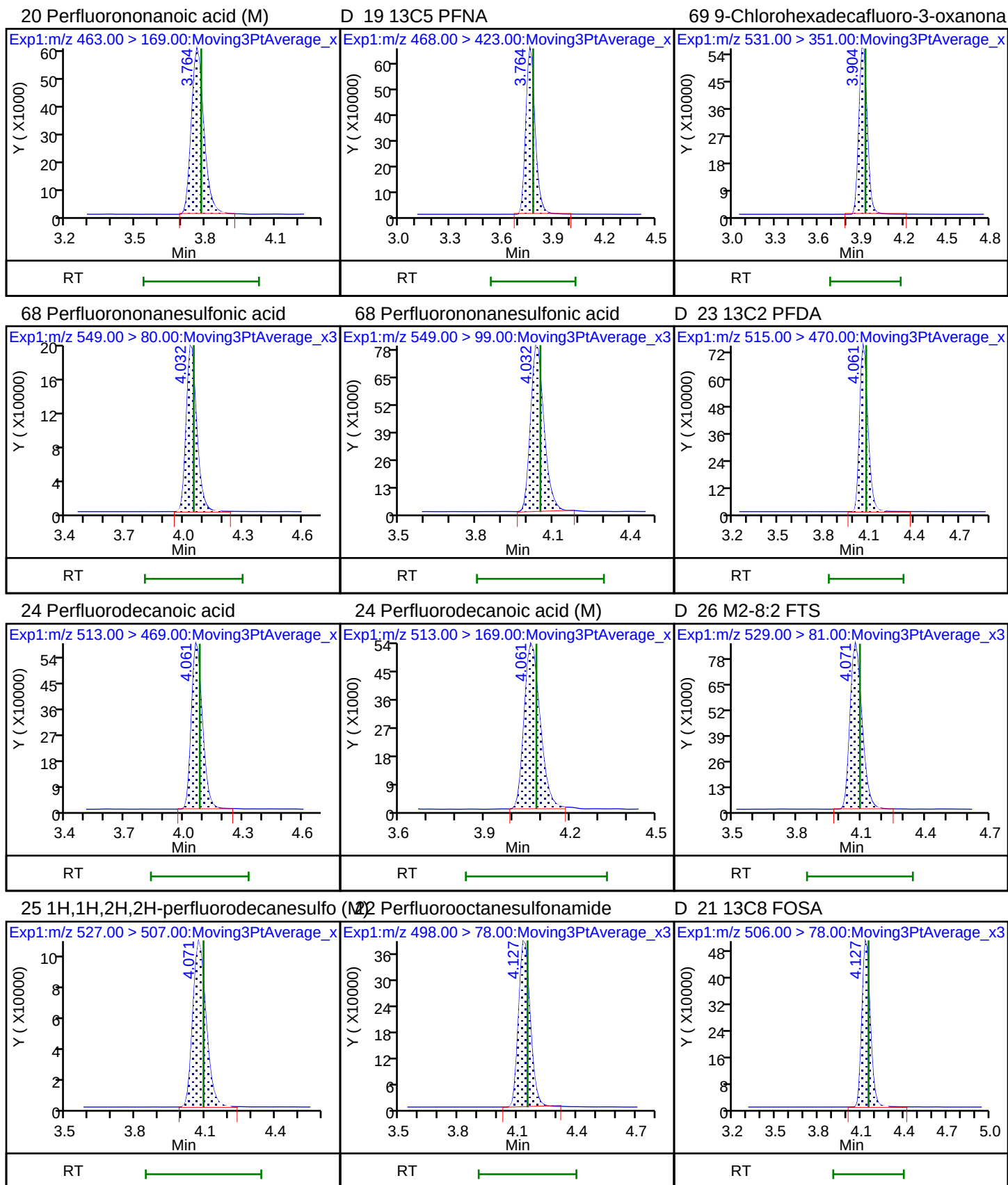


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid (M)

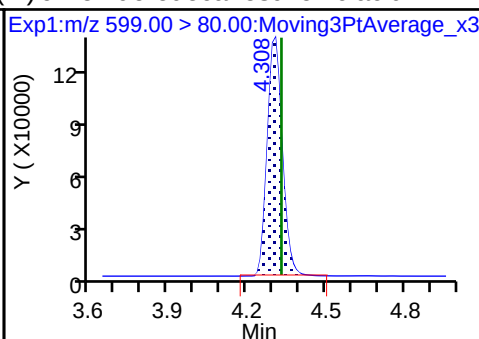
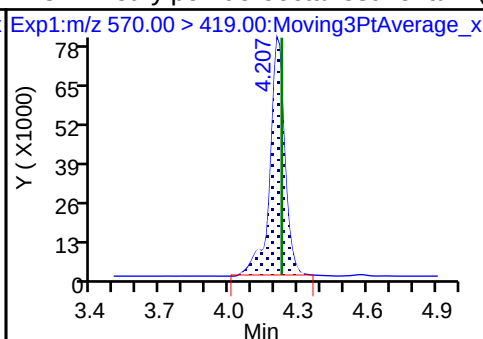
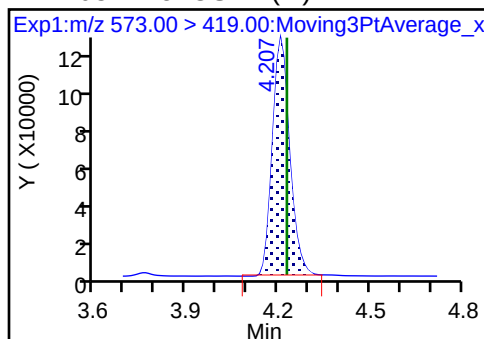




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

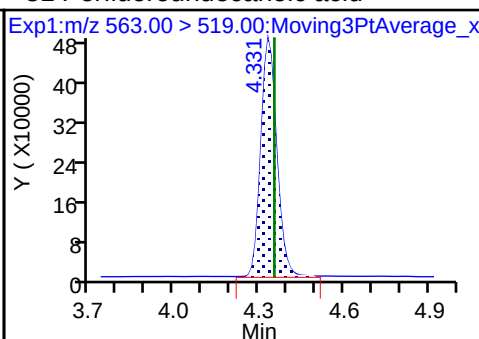
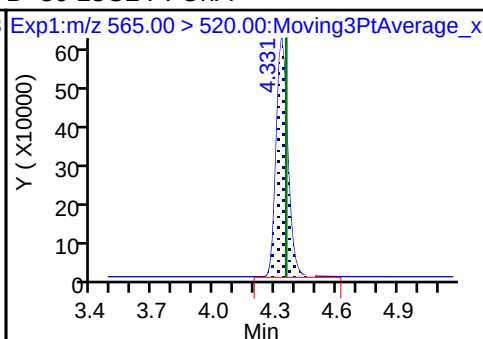
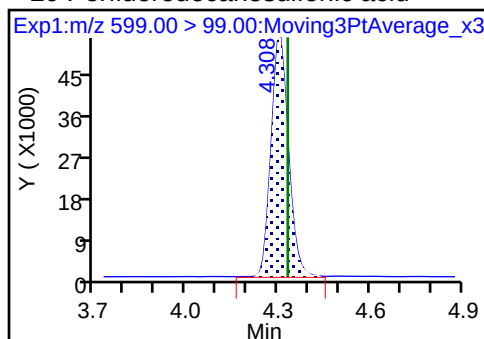
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid

D 30 13C2 PFUnA

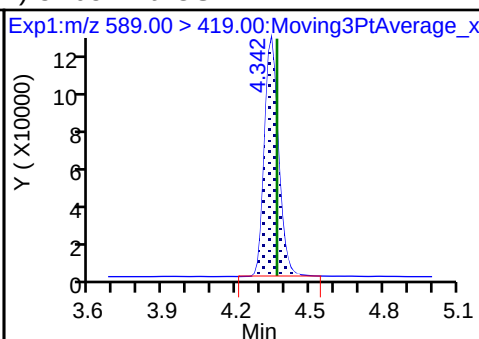
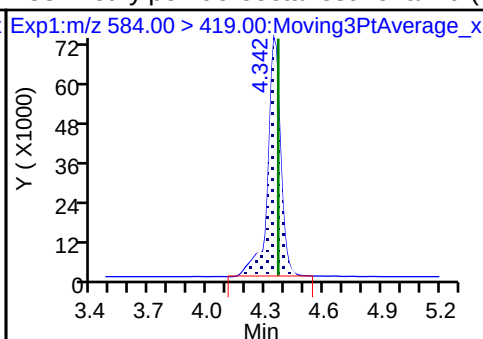
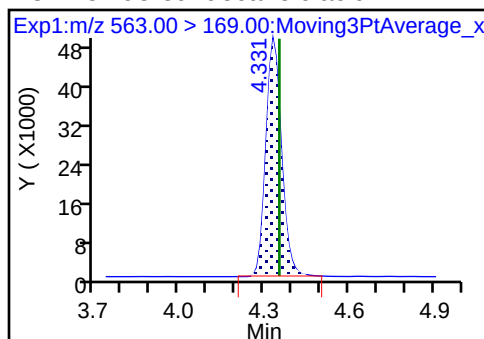
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid

33 N-ethylperfluorooctanesulfonamid (M)

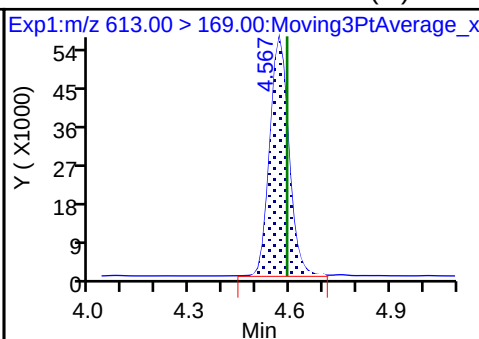
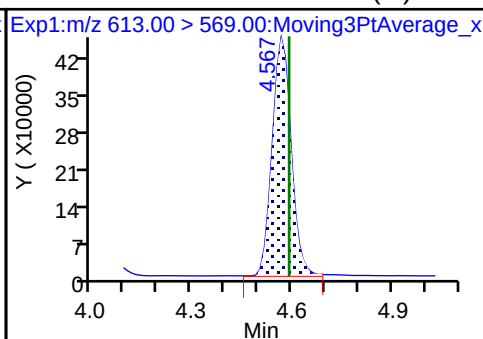
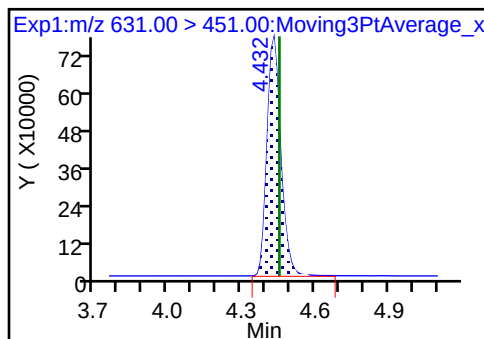
32 d5-NEtFOSAA



66 11-Chloroeicosafluoro-3-oxaundec

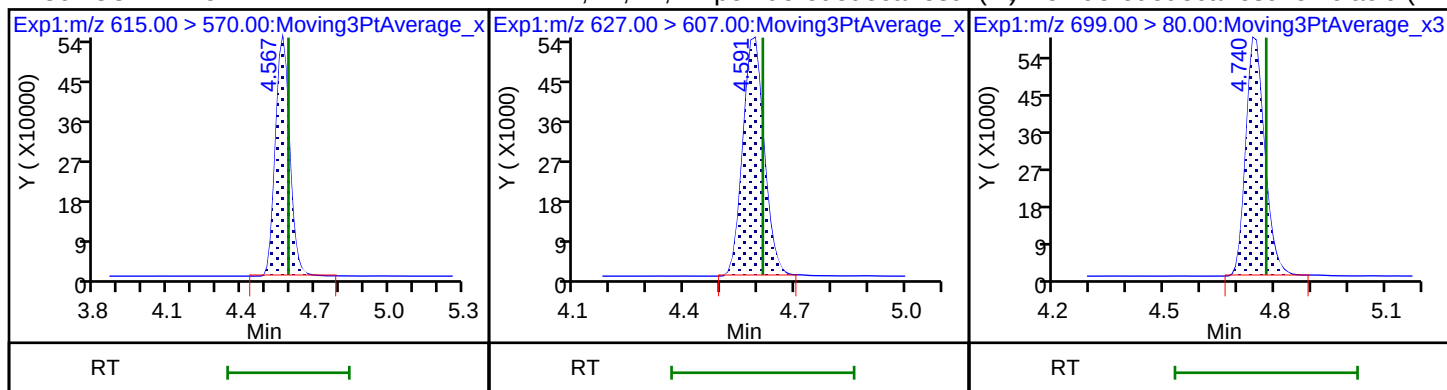
37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid (M)



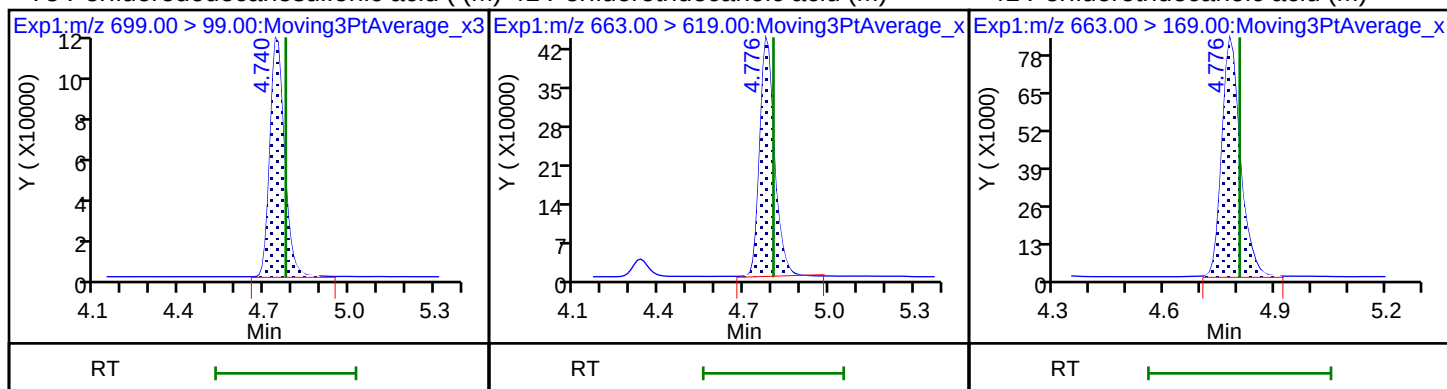
D 36 13C2 PFDaA

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



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

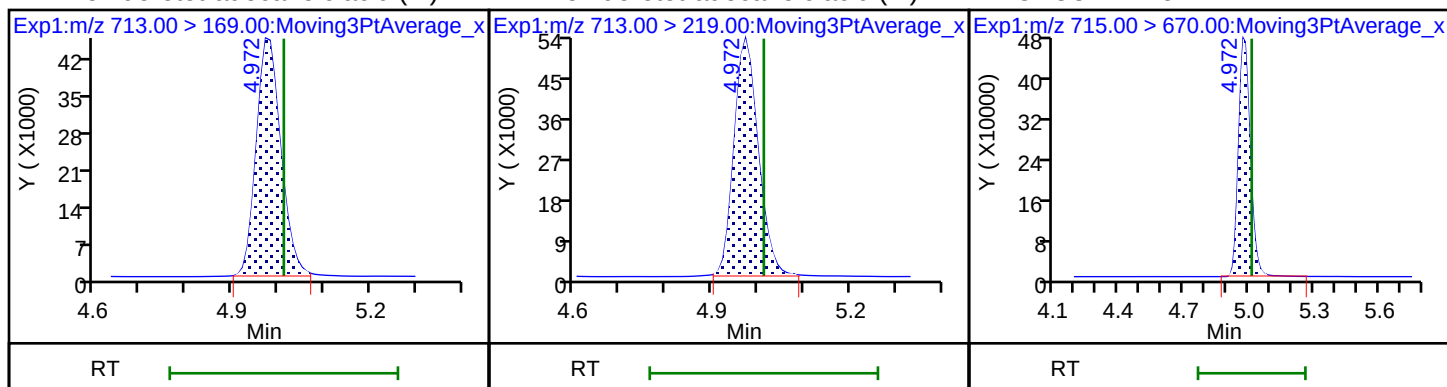
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

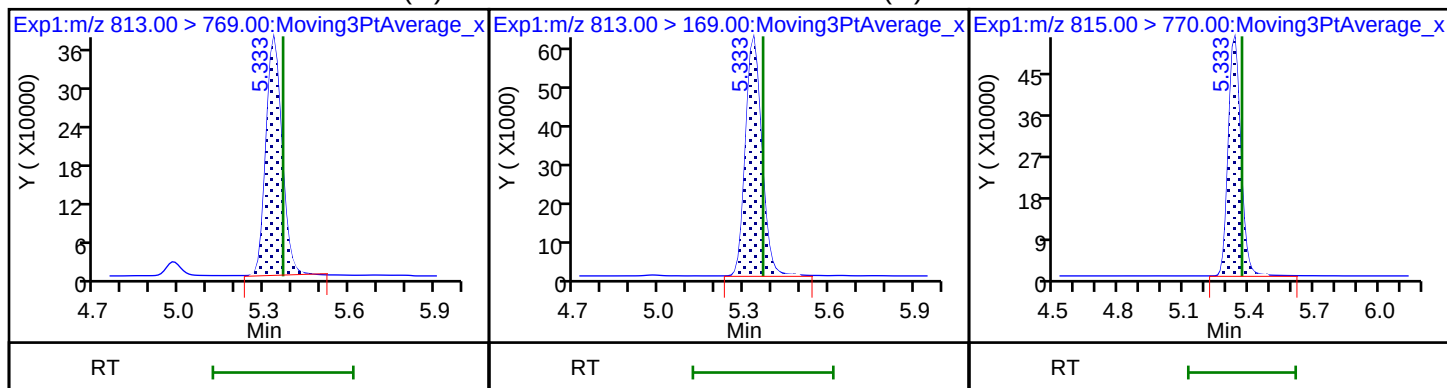
D 43 13C2 PFTeDA



45 Perfluorohexadecanoic acid (M)

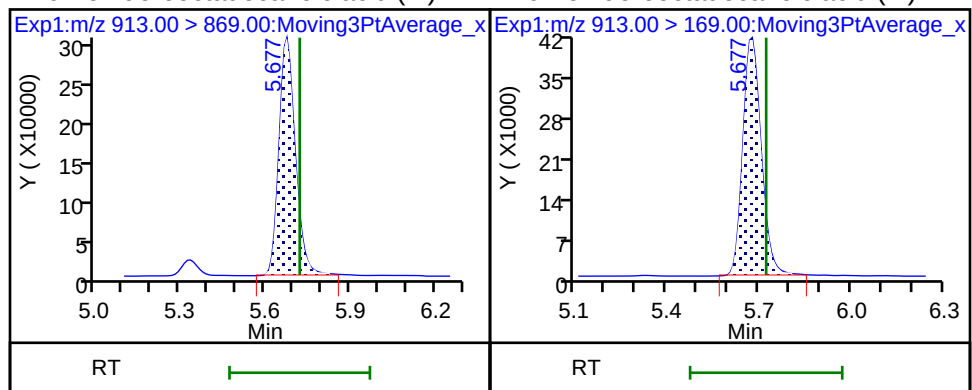
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

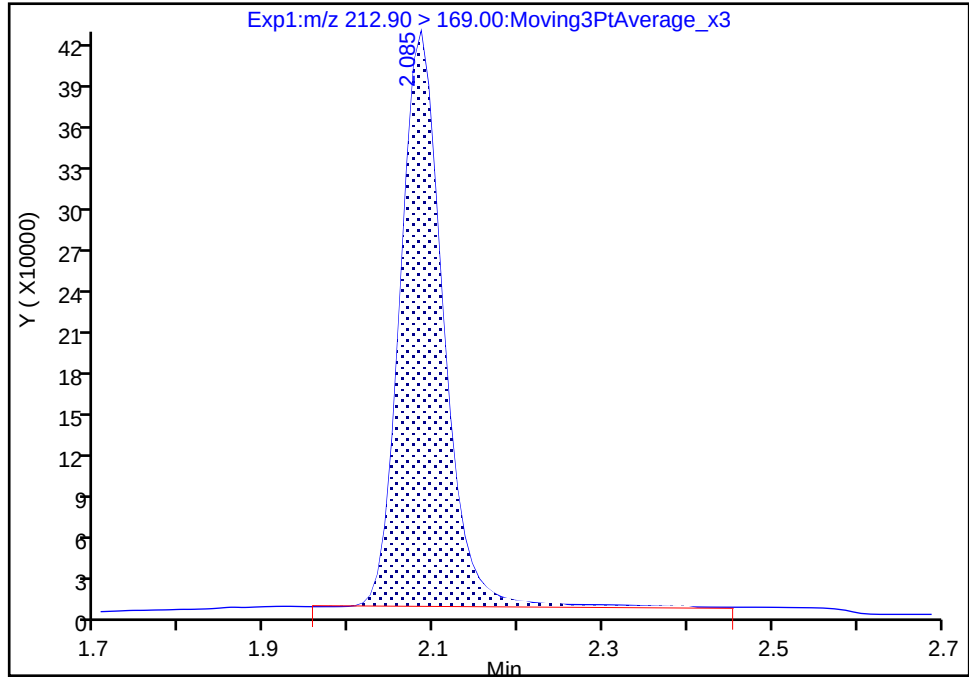
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Injection Date: 19-Dec-2022 18:28:14 Instrument ID: LC812
Lims ID: LCS 200-186815/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

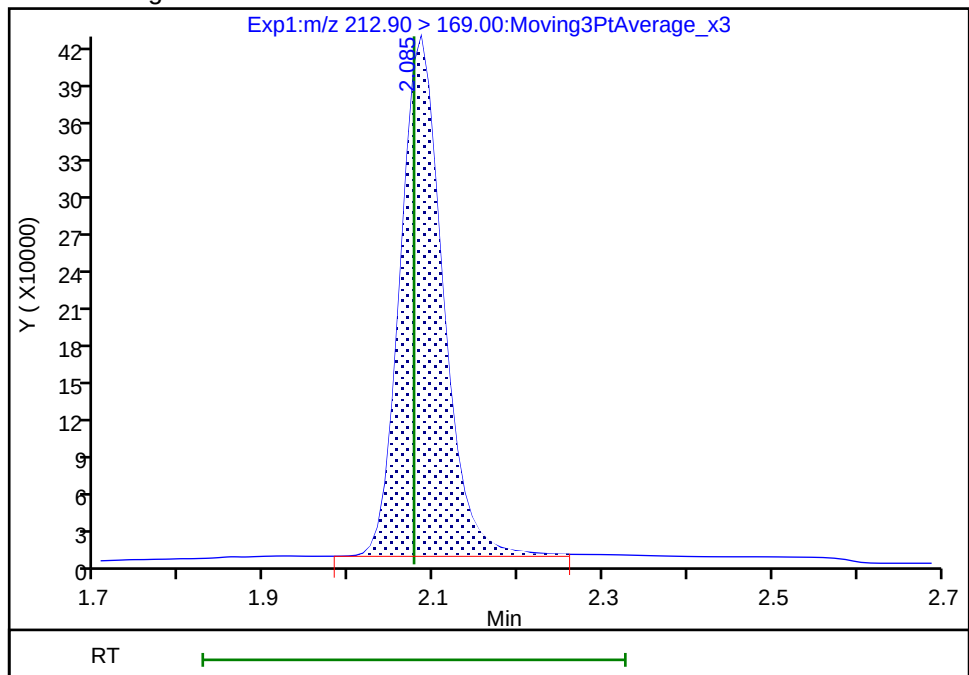
RT: 2.08
Area: 1498660
Amount: 0.956043
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 1487852
Amount: 0.949149
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:37:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B03.d

Injection Date: 19-Dec-2022 18:28:14

Instrument ID: LC812

Lims ID: LCS 200-186815/2-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)

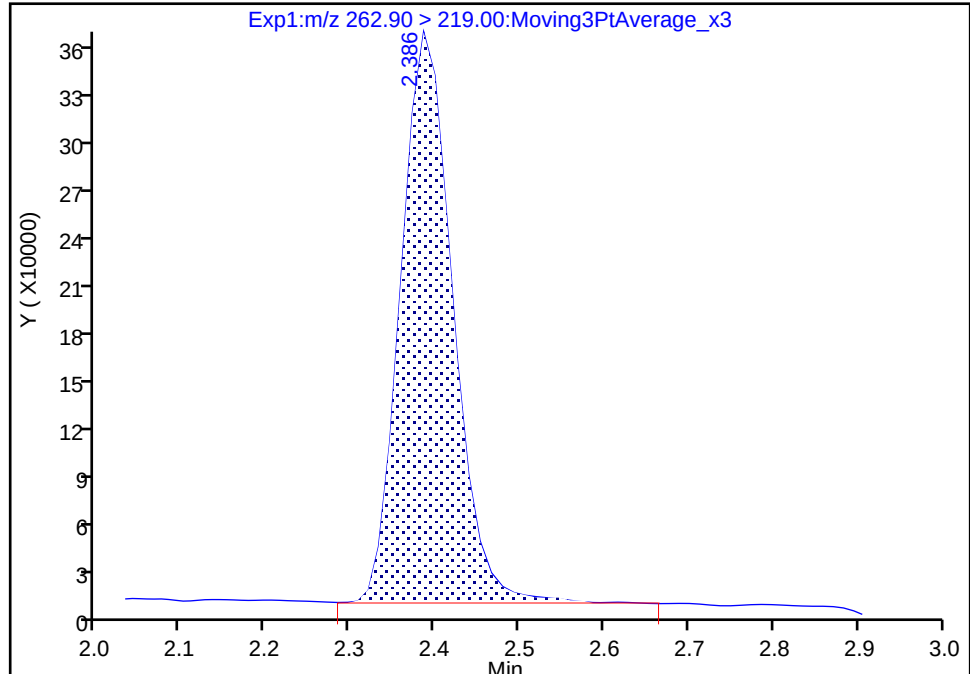
Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

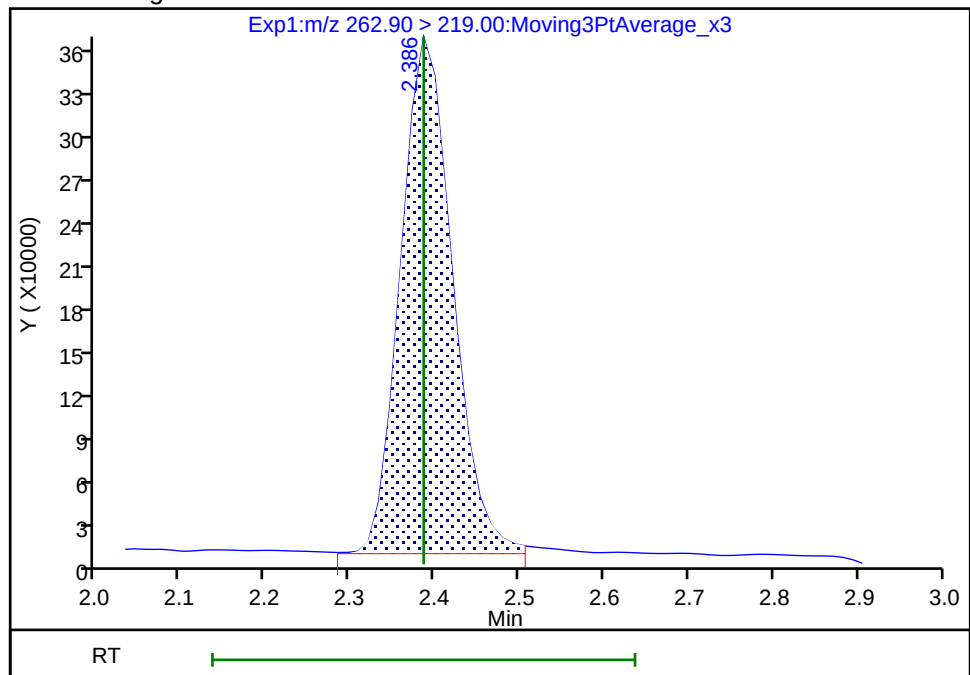
RT: 2.39
Area: 1502210
Amount: 0.913309
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 1485142
Amount: 0.902932
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:37:49

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B03.d

Injection Date: 19-Dec-2022 18:28:14

Instrument ID: LC812

Lims ID: LCS 200-186815/2-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)

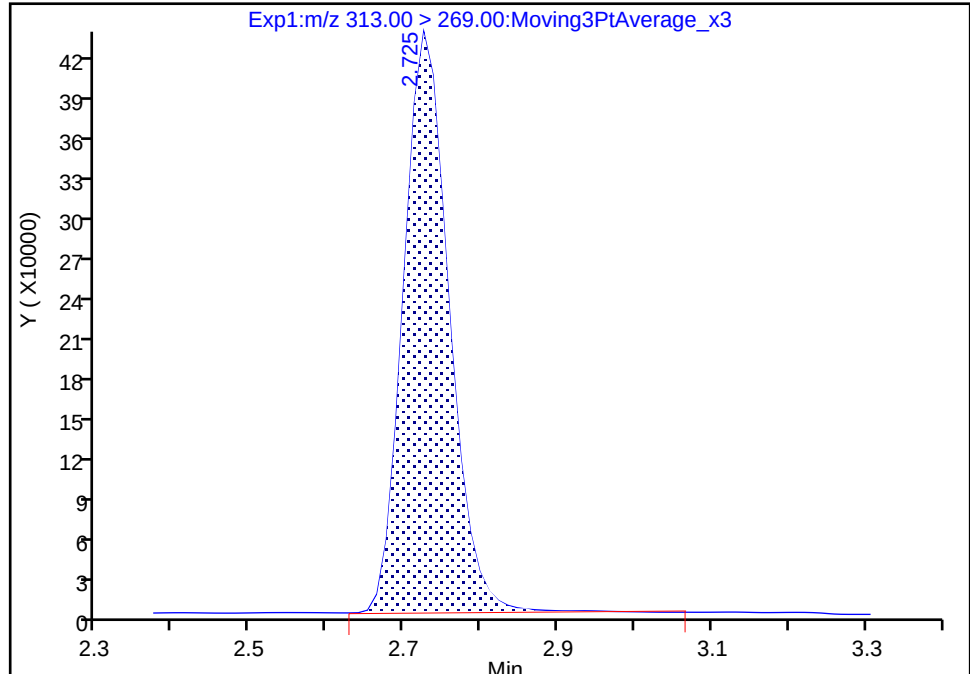
Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

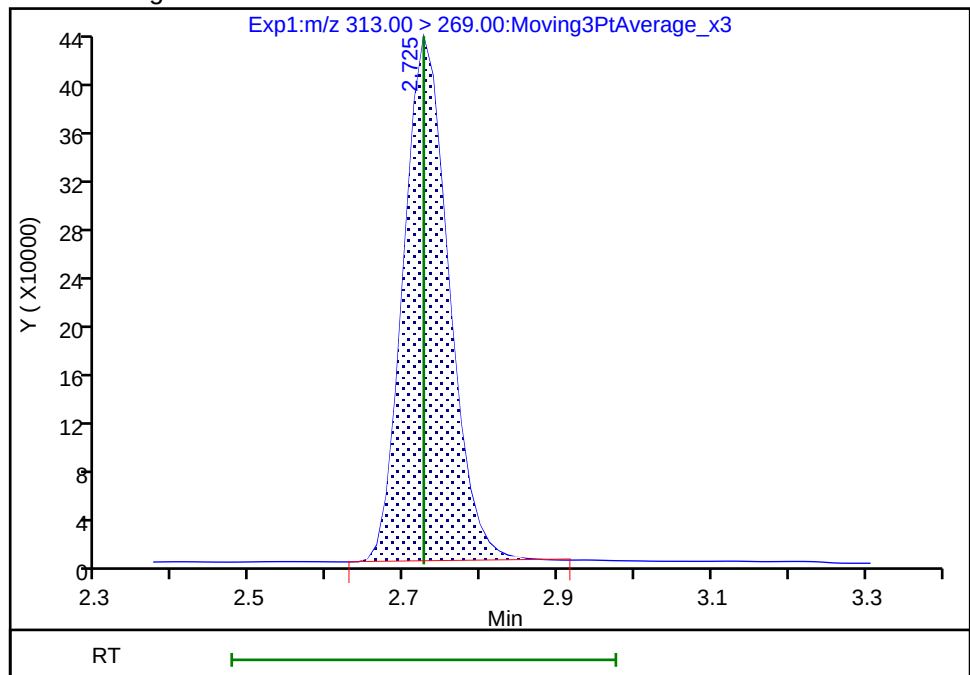
RT: 2.73
Area: 1789218
Amount: 0.958512
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 1774114
Amount: 0.950420
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:38:10

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

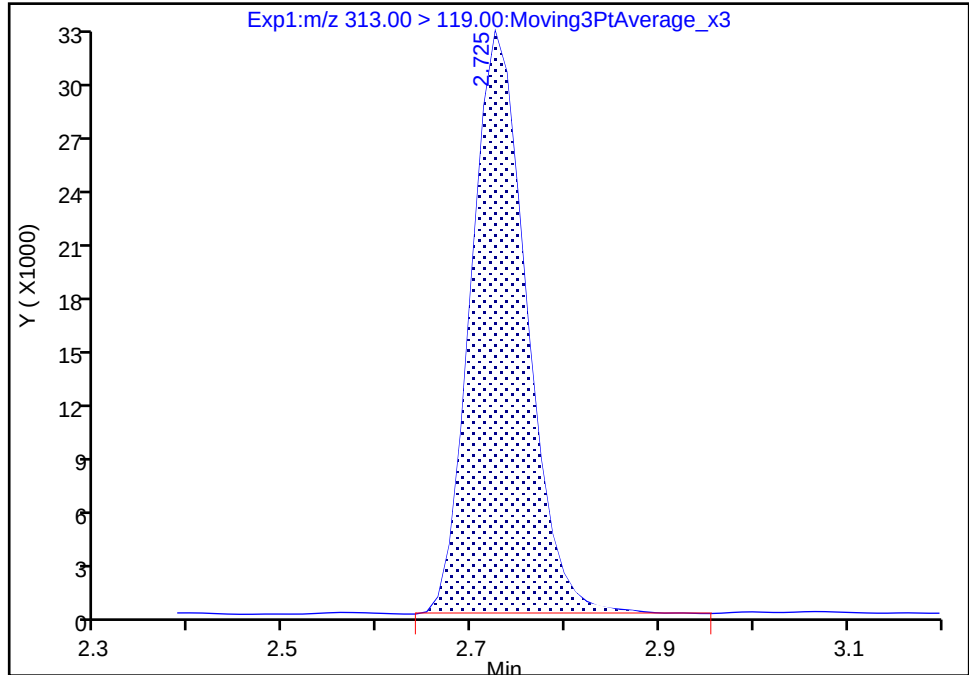
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B03.d
Injection Date: 19-Dec-2022 18:28:14 Instrument ID: LC812
Lims ID: LCS 200-186815/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

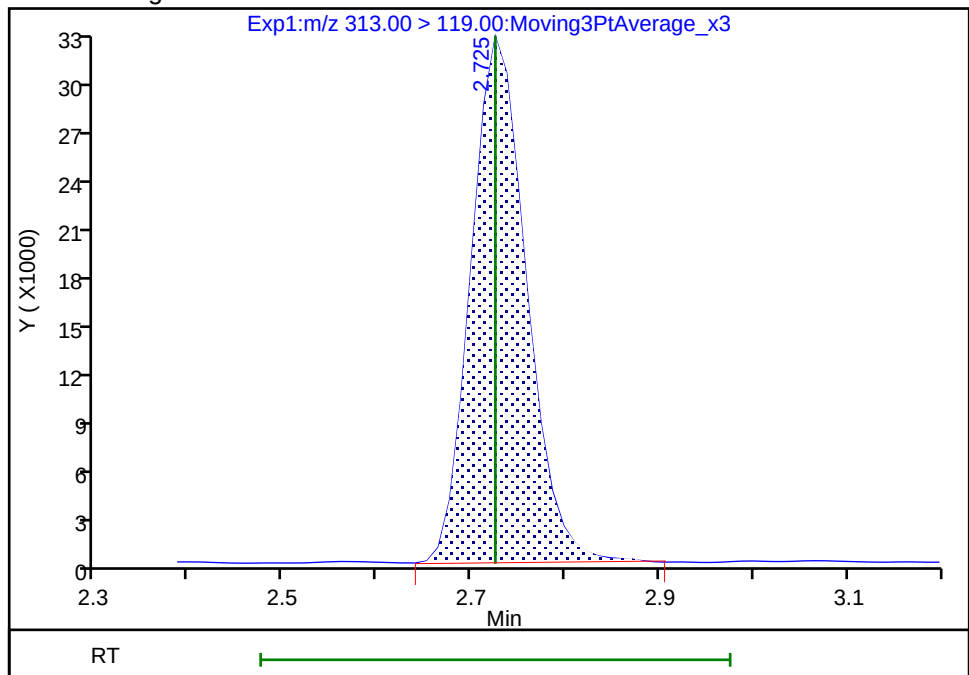
RT: 2.73
Area: 133433
Amount: 0.958512
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 133155
Amount: 0.950420
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:38:13

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B03.d

Injection Date: 19-Dec-2022 18:28:14

Instrument ID: LC812

Lims ID: LCS 200-186815/2-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

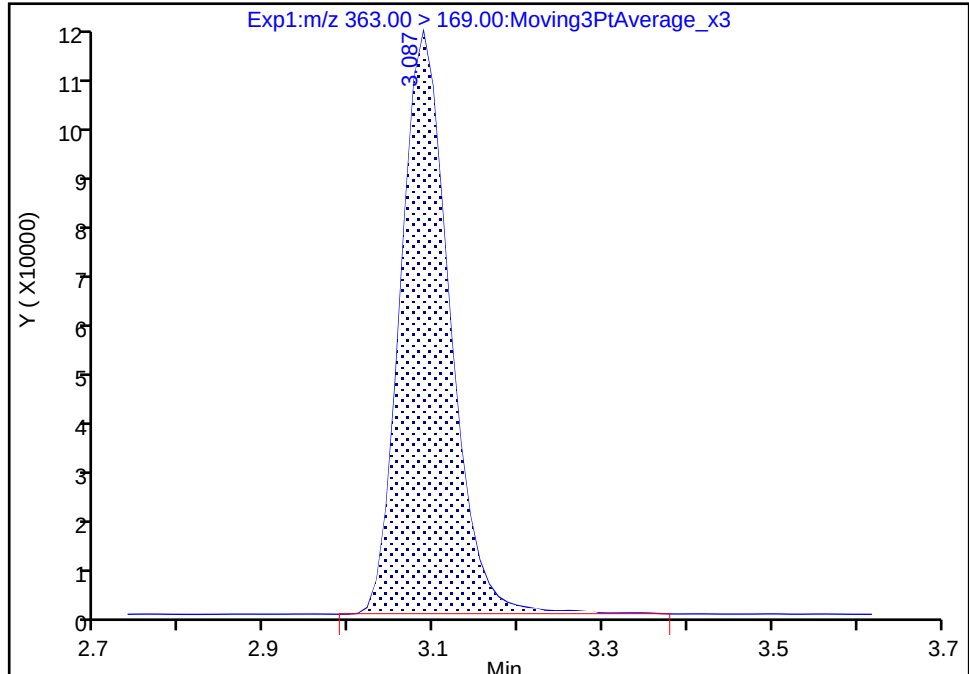
EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

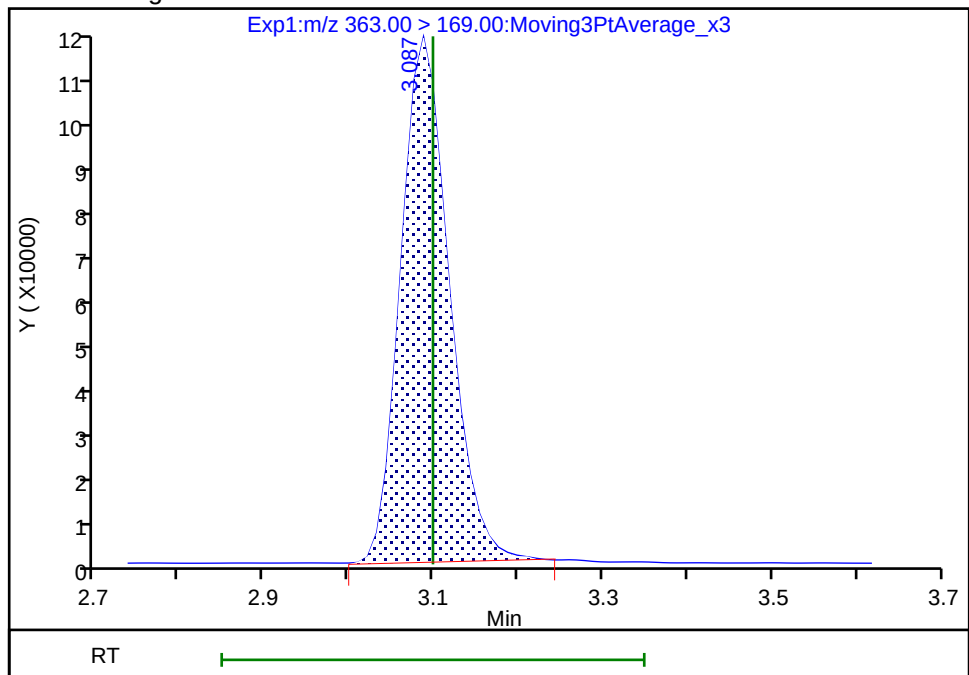
RT: 3.09
Area: 475664
Amount: 0.940071
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 468033
Amount: 0.940071
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:38:55

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B03.d

Injection Date: 19-Dec-2022 18:28:14

Instrument ID: LC812

Lims ID: LCS 200-186815/2-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)

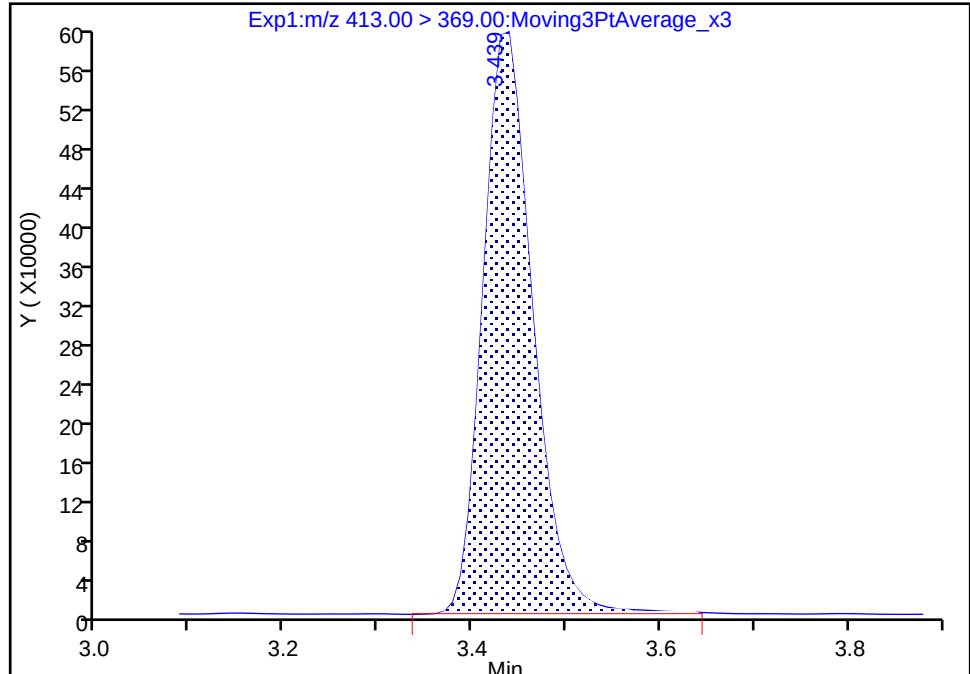
Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

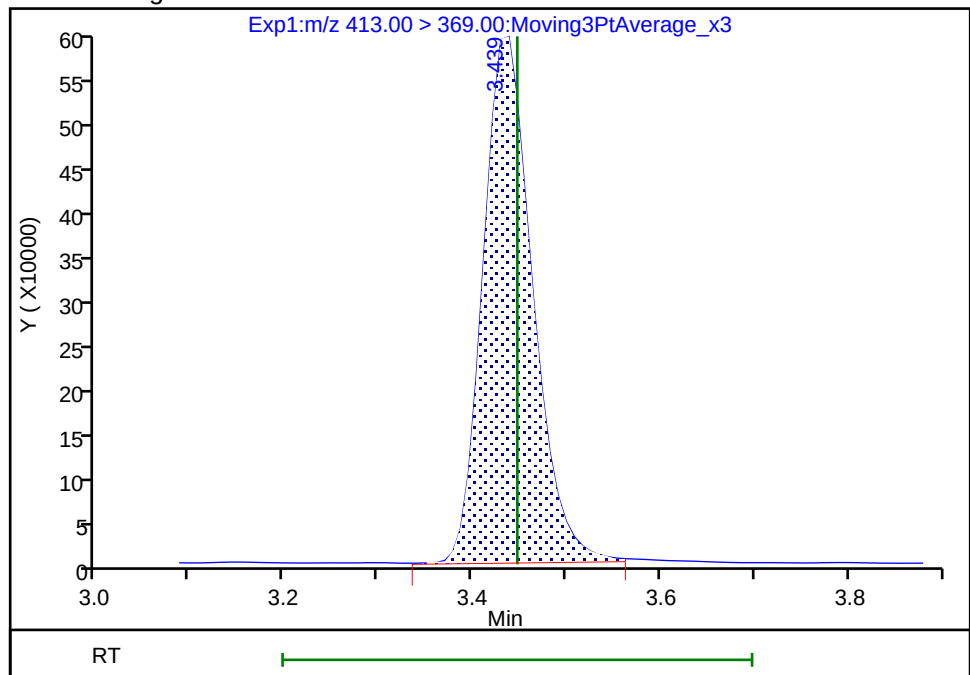
RT: 3.44
Area: 2166522
Amount: 0.954654
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 2164317
Amount: 0.953682
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:39:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

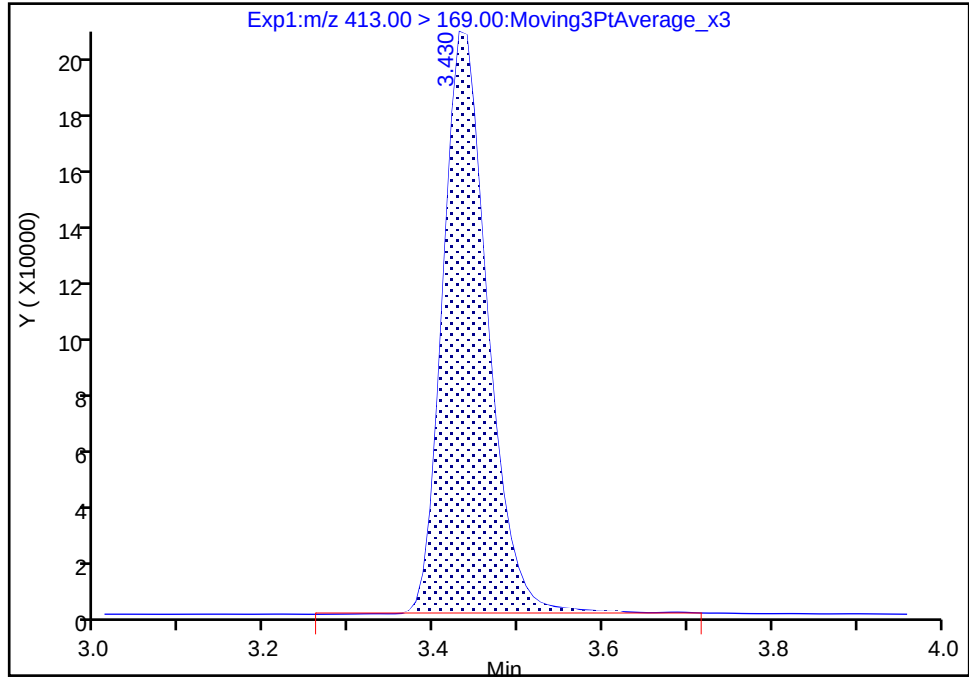
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B03.d
Injection Date: 19-Dec-2022 18:28:14 Instrument ID: LC812
Lims ID: LCS 200-186815/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

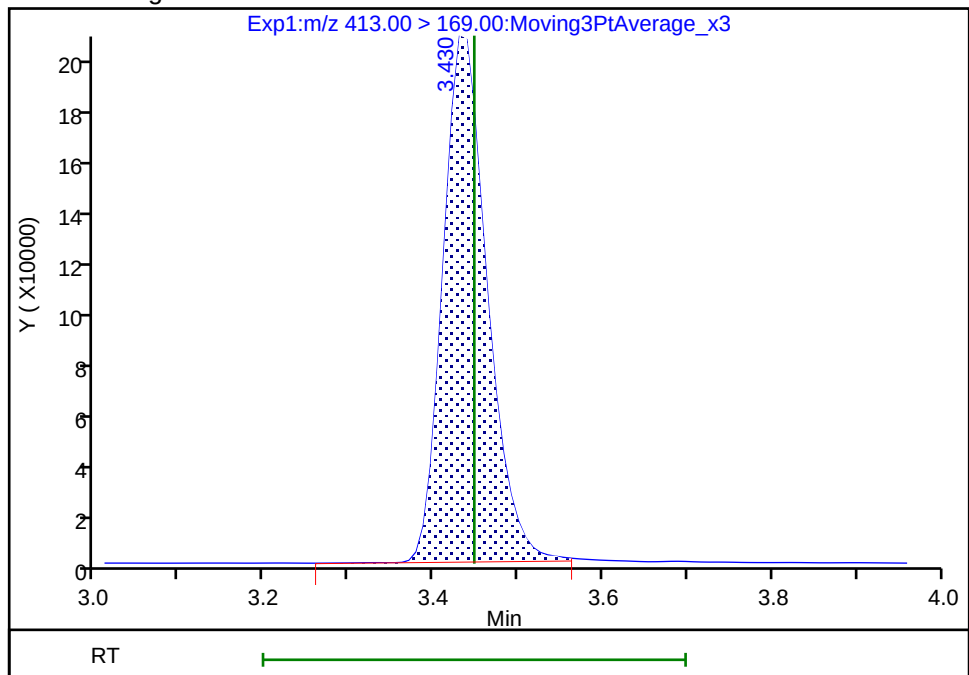
RT: 3.43
Area: 752557
Amount: 0.954654
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 746540
Amount: 0.953682
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:40:06

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B03.d

Injection Date: 19-Dec-2022 18:28:14

Instrument ID: LC812

Lims ID: LCS 200-186815/2-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

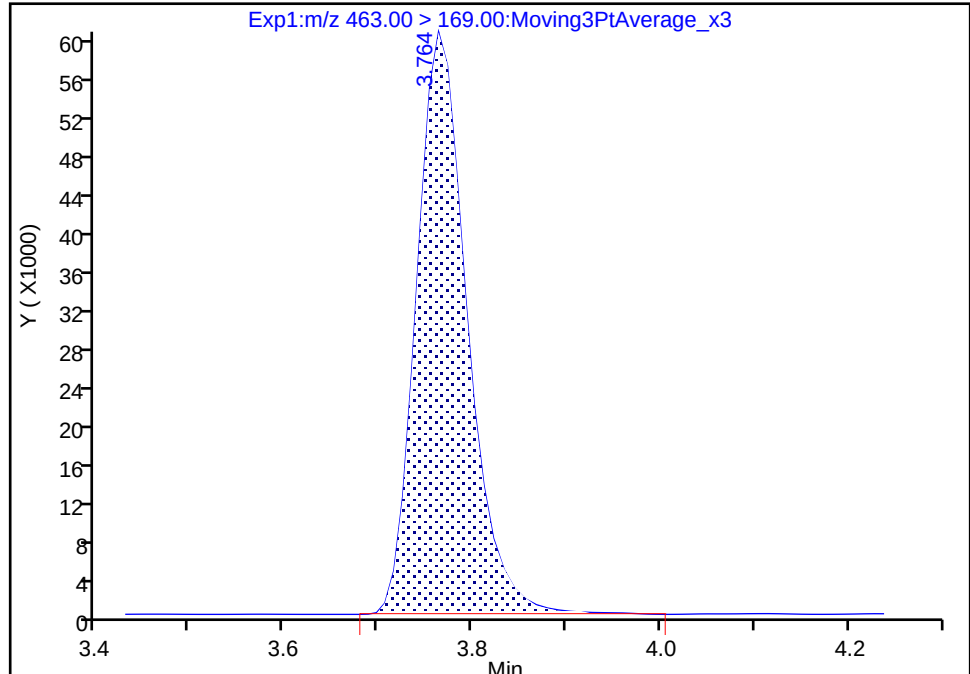
EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

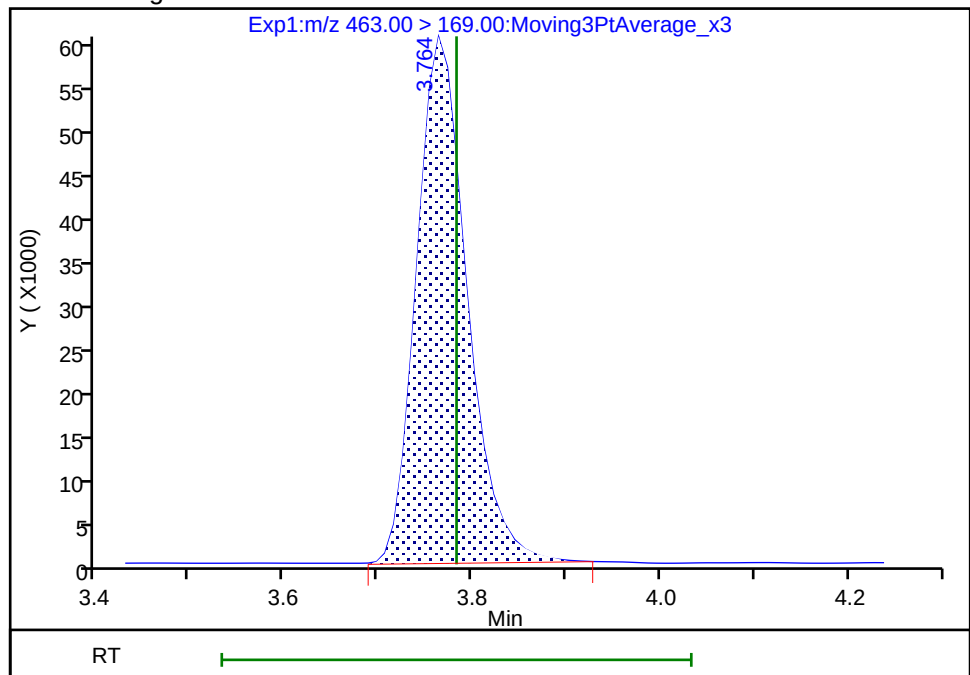
RT: 3.76
Area: 228542
Amount: 0.985579
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 226465
Amount: 0.975987
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:40:35

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

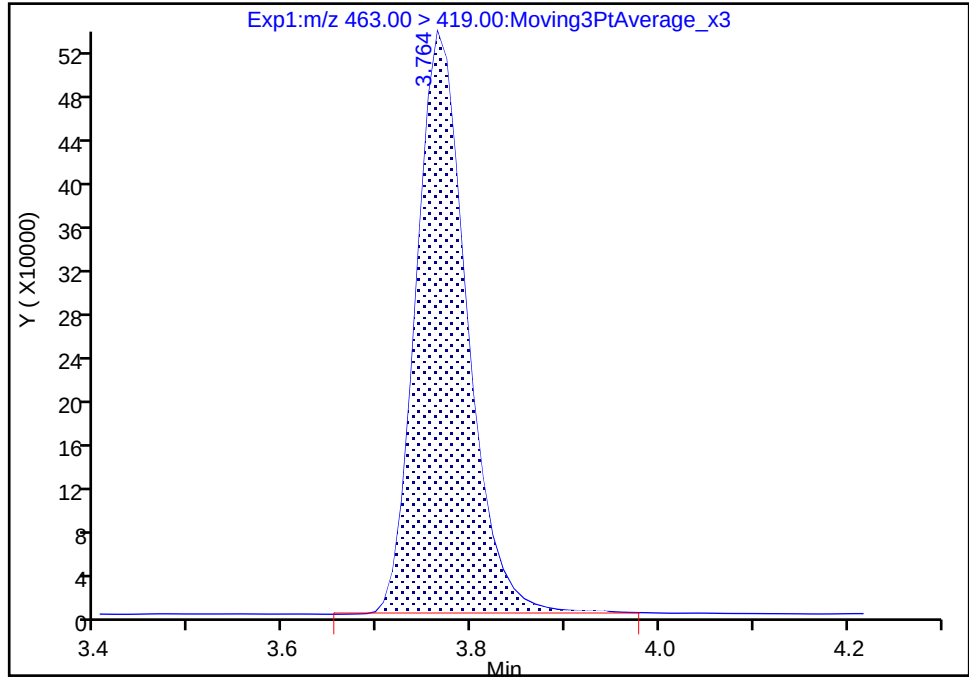
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B03.d
Injection Date: 19-Dec-2022 18:28:14 Instrument ID: LC812
Lims ID: LCS 200-186815/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

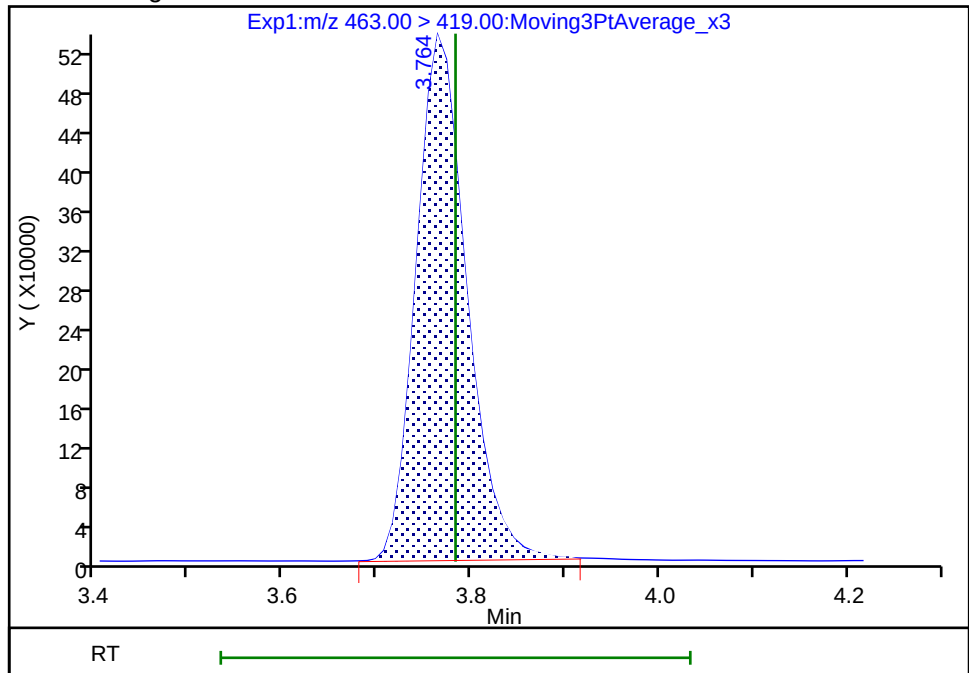
RT: 3.76
Area: 2020623
Amount: 0.985579
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 2000958
Amount: 0.975987
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:40:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B03.d

Injection Date: 19-Dec-2022 18:28:14

Instrument ID: LC812

Lims ID: LCS 200-186815/2-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)

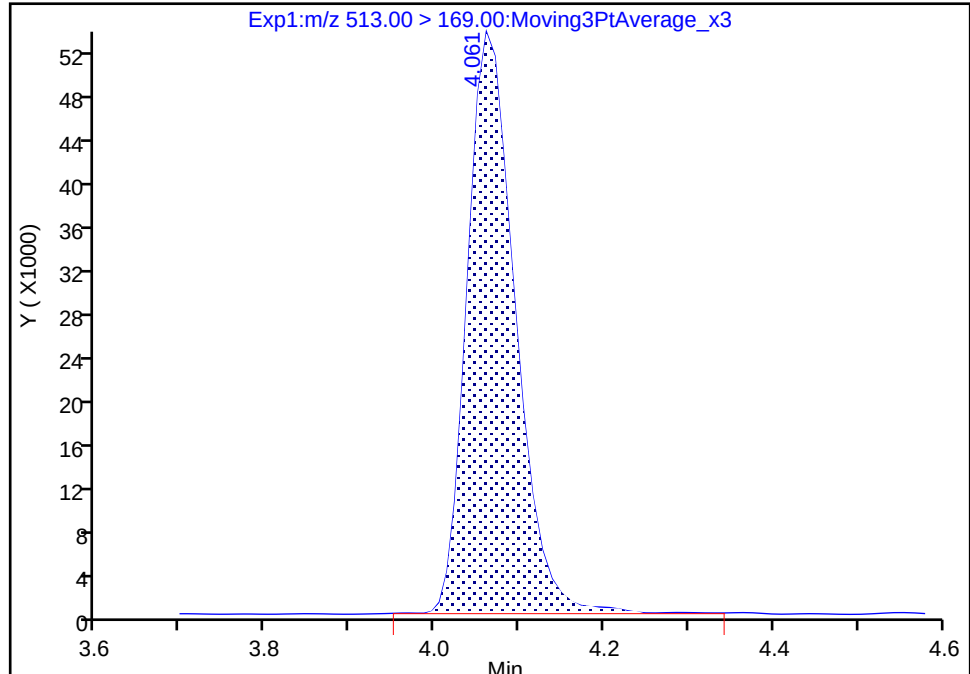
Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

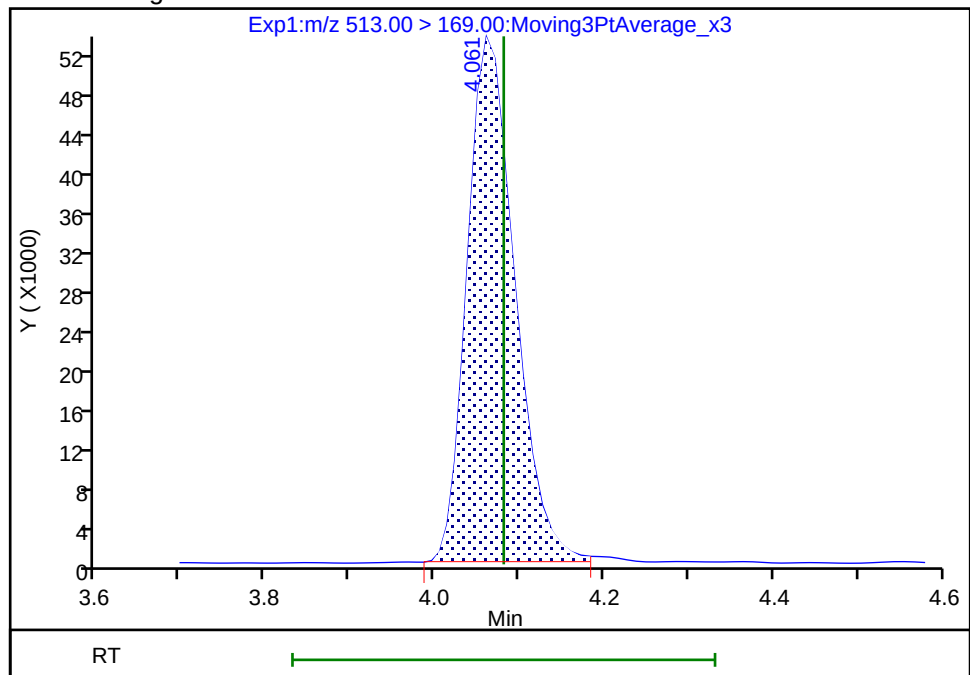
RT: 4.06
Area: 212259
Amount: 0.913060
Amount Units: ng/ml

Processing Integration Results



RT: 4.06
Area: 210631
Amount: 0.913060
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:40:53

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B03.d

Injection Date: 19-Dec-2022 18:28:14

Instrument ID: LC812

Lims ID: LCS 200-186815/2-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)

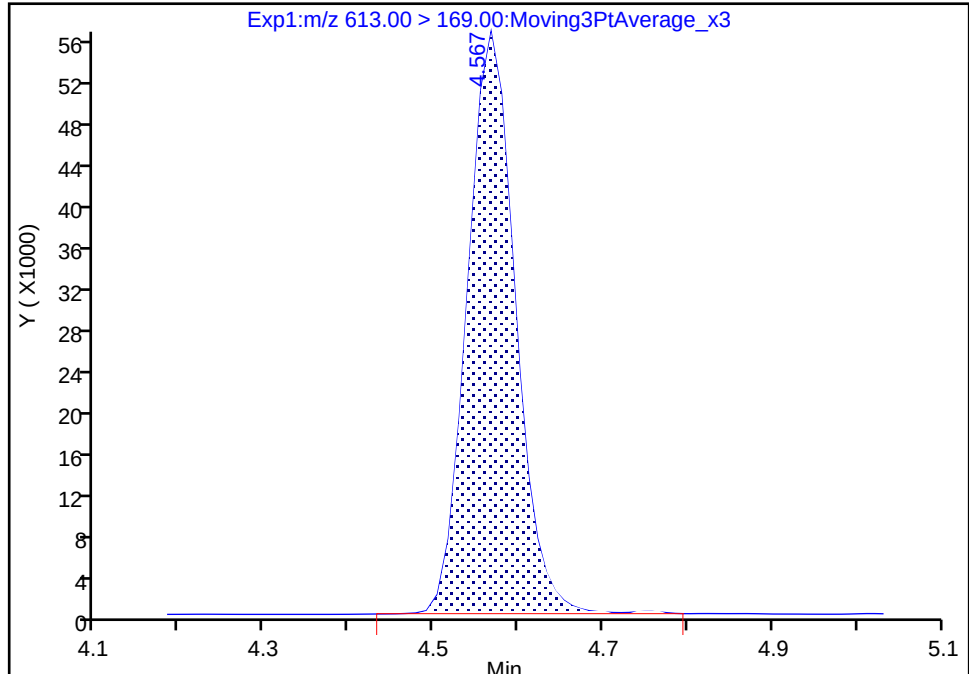
Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

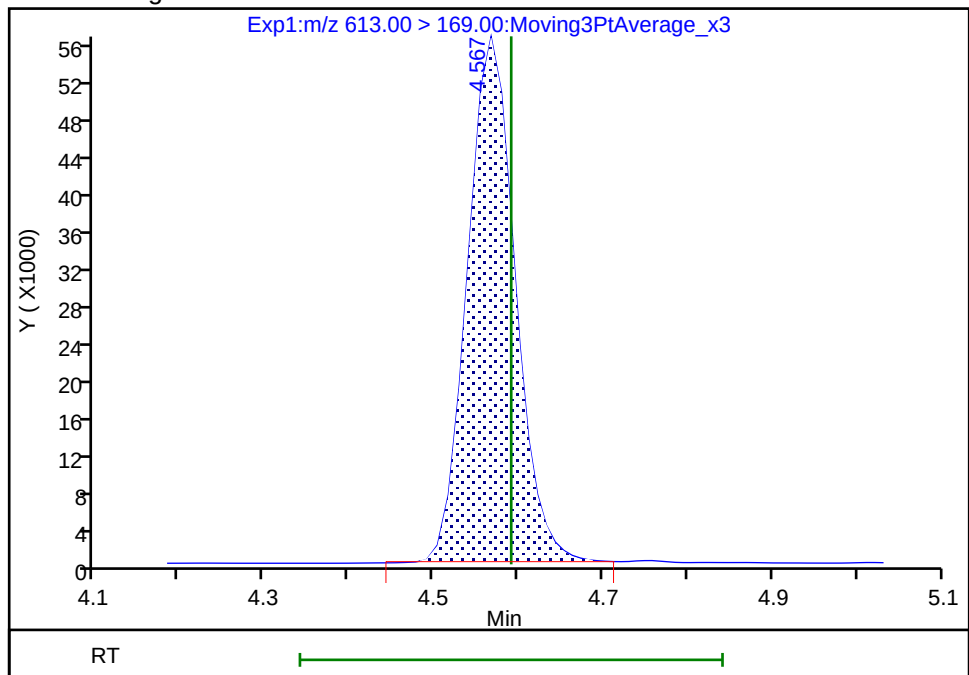
RT: 4.57
Area: 224347
Amount: 0.976942
Amount Units: ng/ml

Processing Integration Results



RT: 4.57
Area: 222715
Amount: 0.973223
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:41:46

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

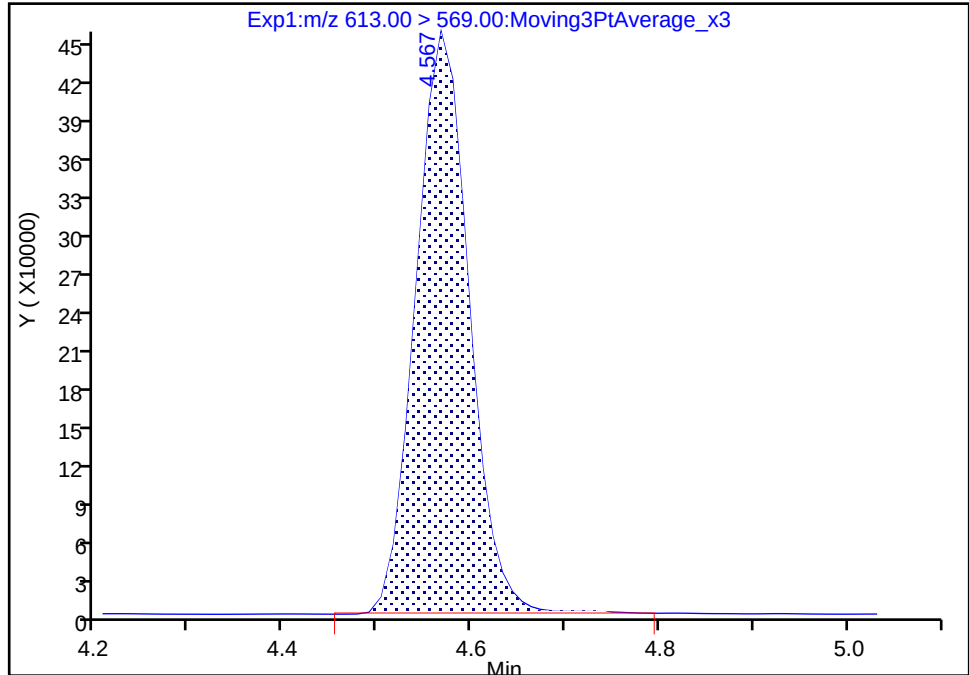
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B03.d
Injection Date: 19-Dec-2022 18:28:14 Instrument ID: LC812
Lims ID: LCS 200-186815/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

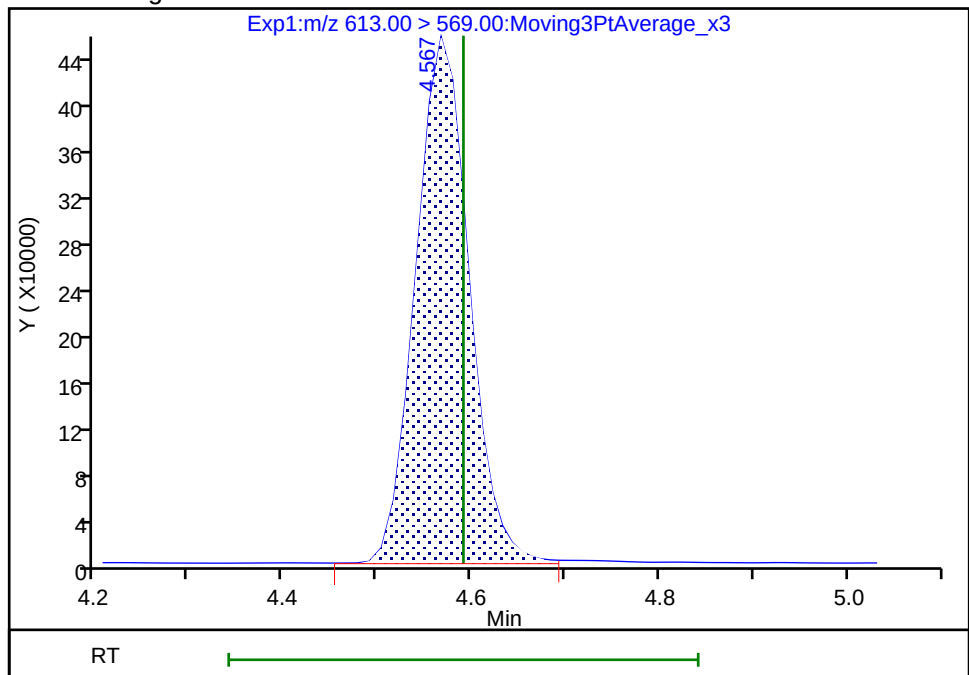
RT: 4.57
Area: 1810446
Amount: 0.976942
Amount Units: ng/ml

Processing Integration Results



RT: 4.57
Area: 1803555
Amount: 0.973223
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:41:49

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B03.d

Injection Date: 19-Dec-2022 18:28:14

Instrument ID: LC812

Lims ID: LCS 200-186815/2-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)

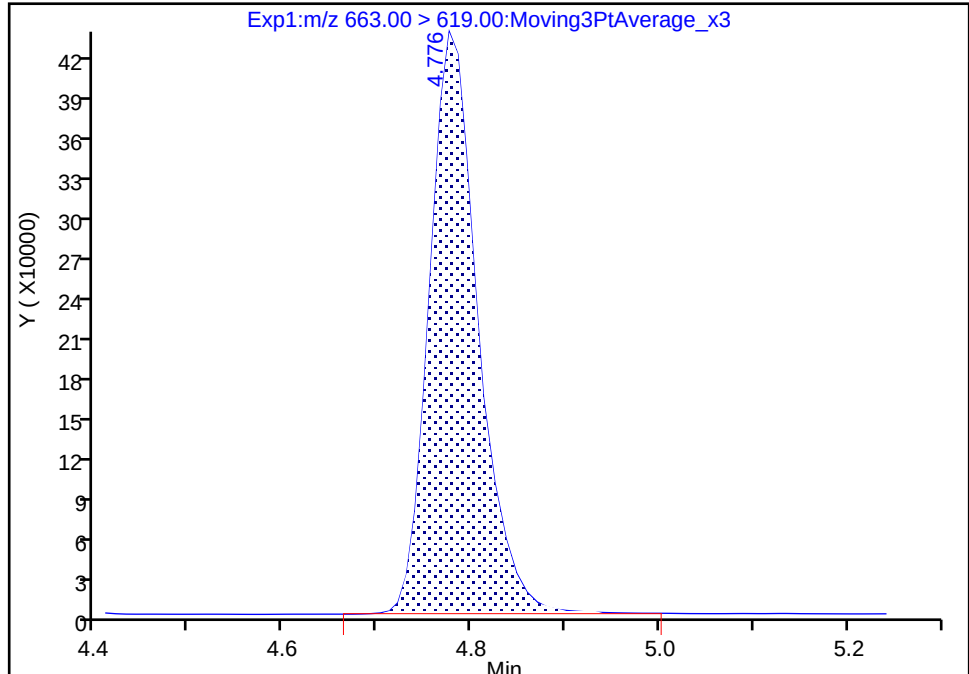
Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

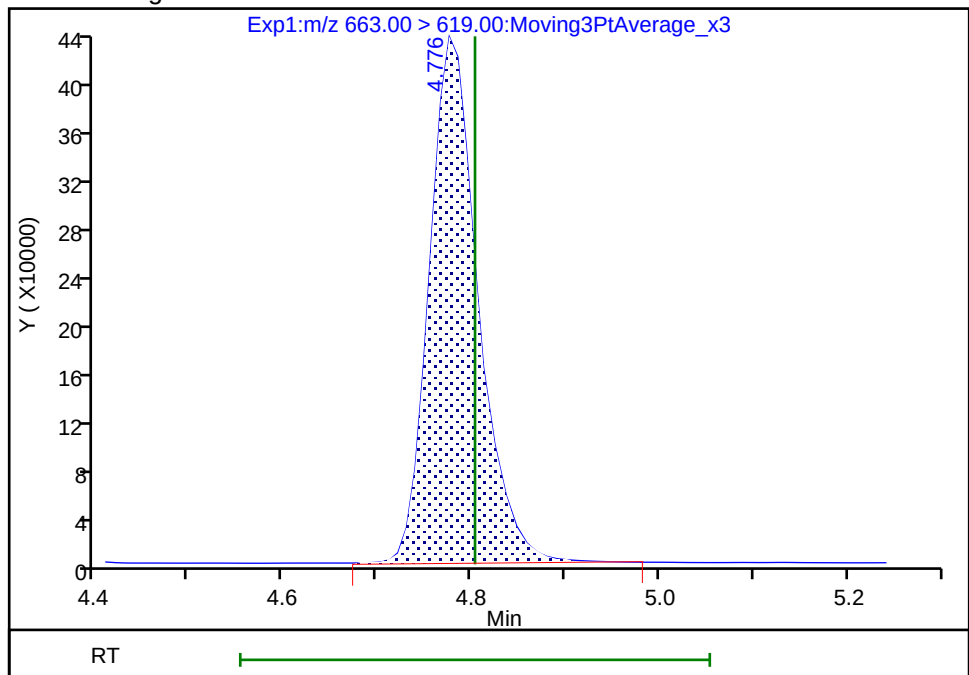
RT: 4.78
Area: 1552503
Amount: 0.875979
Amount Units: ng/ml

Processing Integration Results



RT: 4.78
Area: 1551820
Amount: 0.875593
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:42:14

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

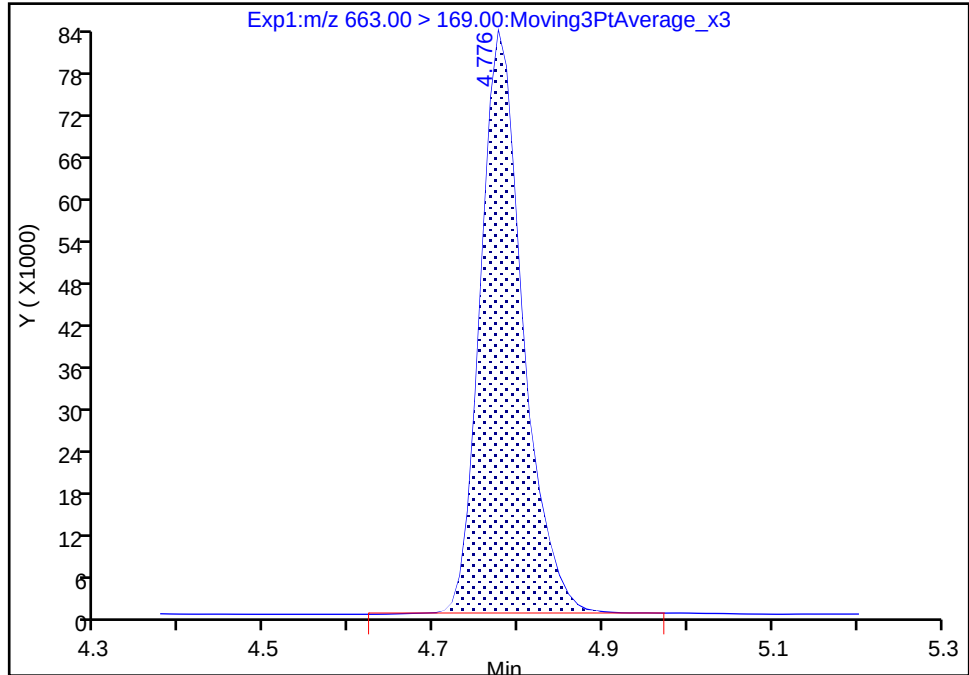
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B03.d
Injection Date: 19-Dec-2022 18:28:14 Instrument ID: LC812
Lims ID: LCS 200-186815/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

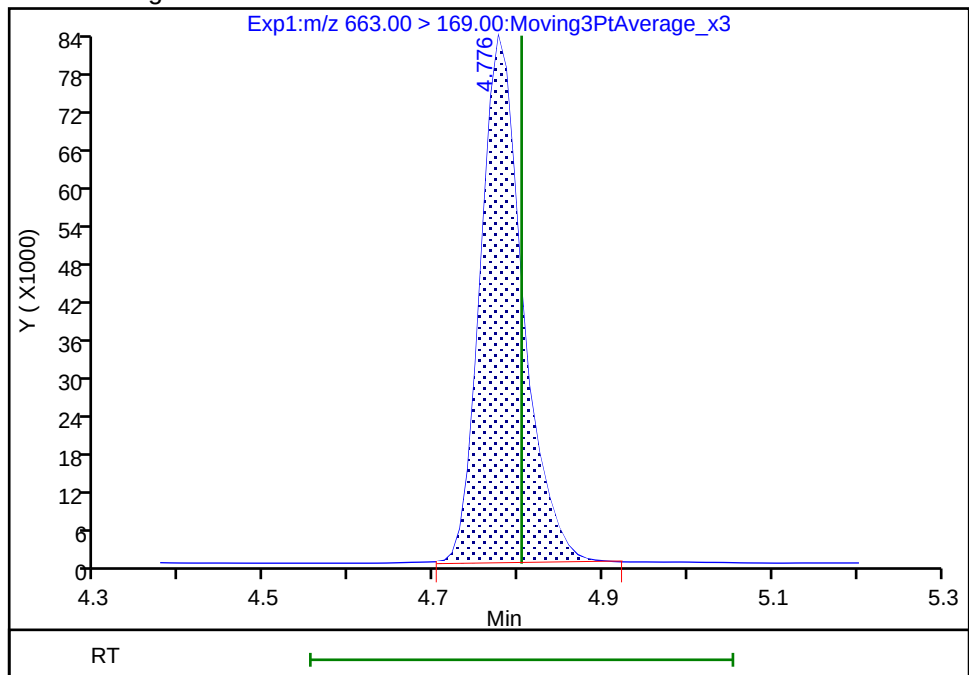
RT: 4.78
Area: 293182
Amount: 0.875979
Amount Units: ng/ml

Processing Integration Results



RT: 4.78
Area: 291468
Amount: 0.875593
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:42:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B03.d

Injection Date: 19-Dec-2022 18:28:14

Instrument ID: LC812

Lims ID: LCS 200-186815/2-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)

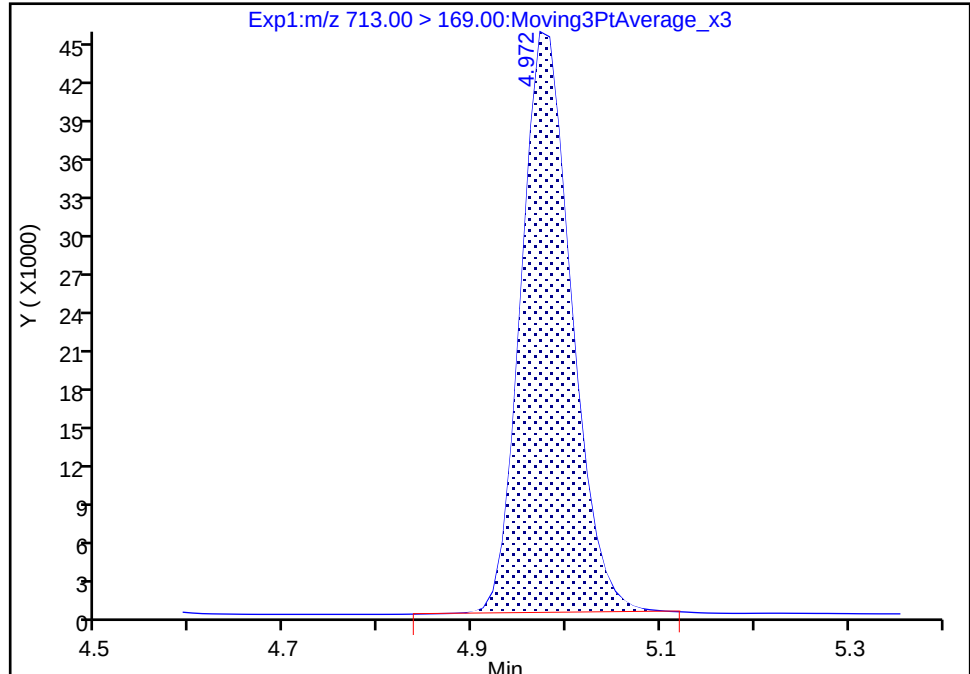
Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

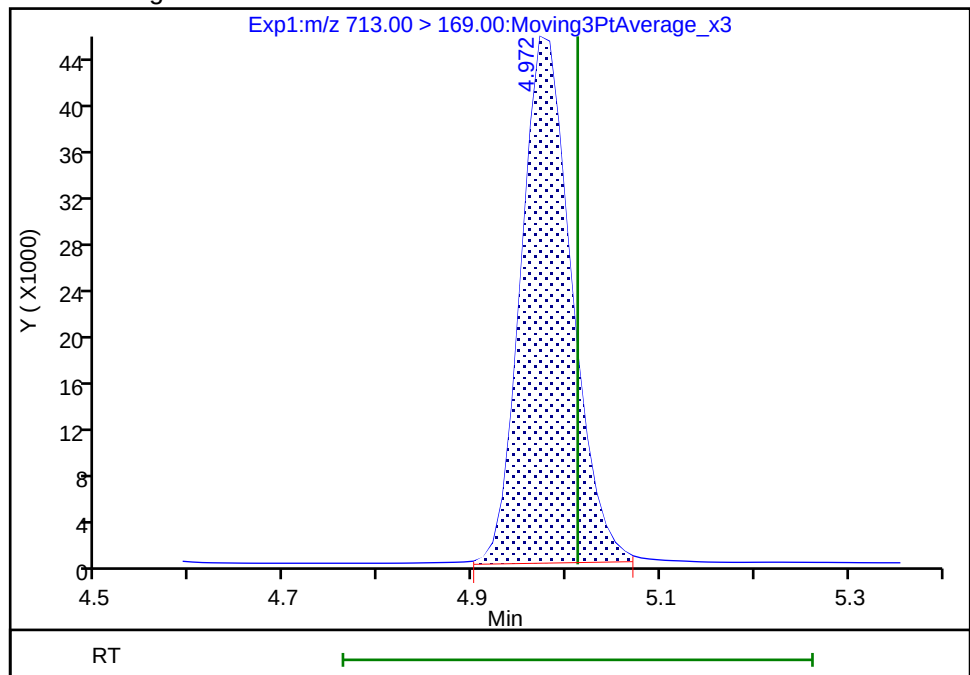
RT: 4.97
Area: 168757
Amount: 0.869624
Amount Units: ng/ml

Processing Integration Results



RT: 4.97
Area: 168968
Amount: 0.870711
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:42:44

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

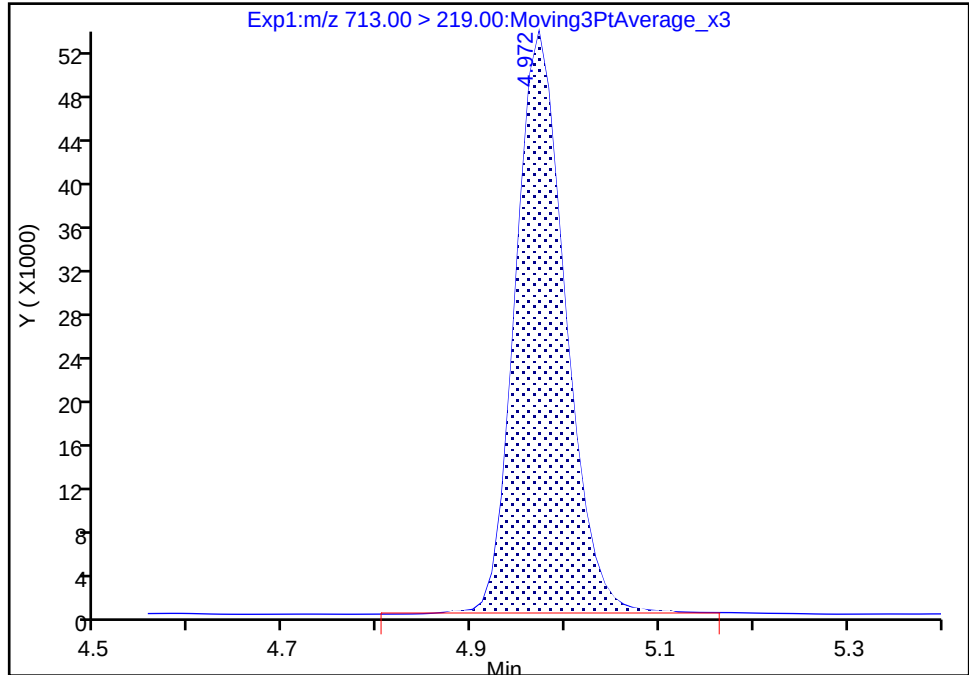
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B03.d
Injection Date: 19-Dec-2022 18:28:14 Instrument ID: LC812
Lims ID: LCS 200-186815/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

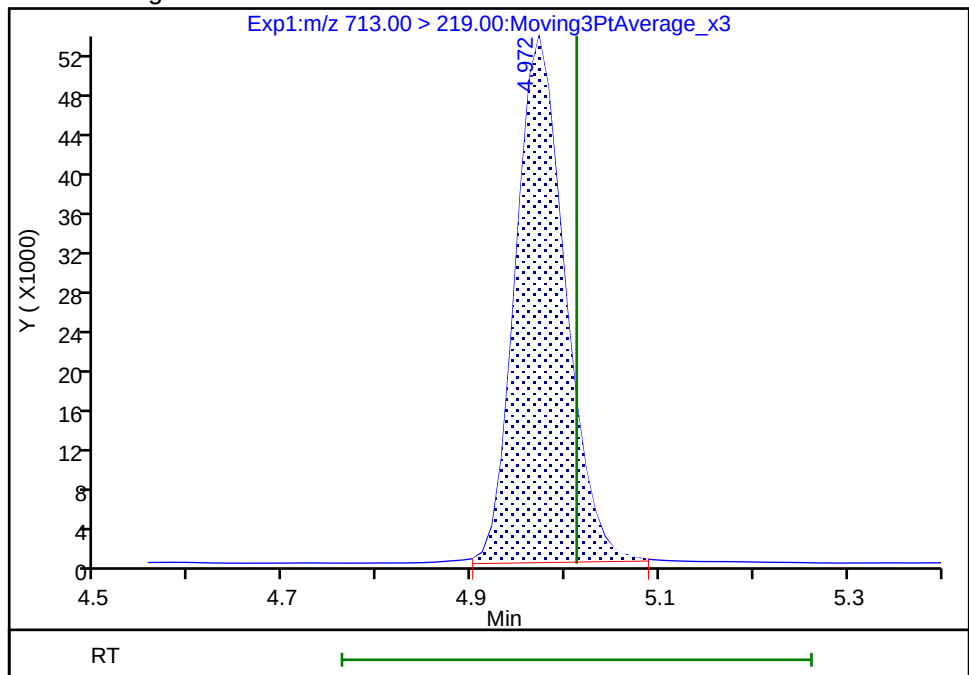
RT: 4.97
Area: 196483
Amount: 0.869624
Amount Units: ng/ml

Processing Integration Results



RT: 4.97
Area: 195547
Amount: 0.870711
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:42:45

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Page 906 of 1022

12/27/2022

2:52 PM

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B03.d

Injection Date: 19-Dec-2022 18:28:14

Instrument ID: LC812

Lims ID: LCS 200-186815/2-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)

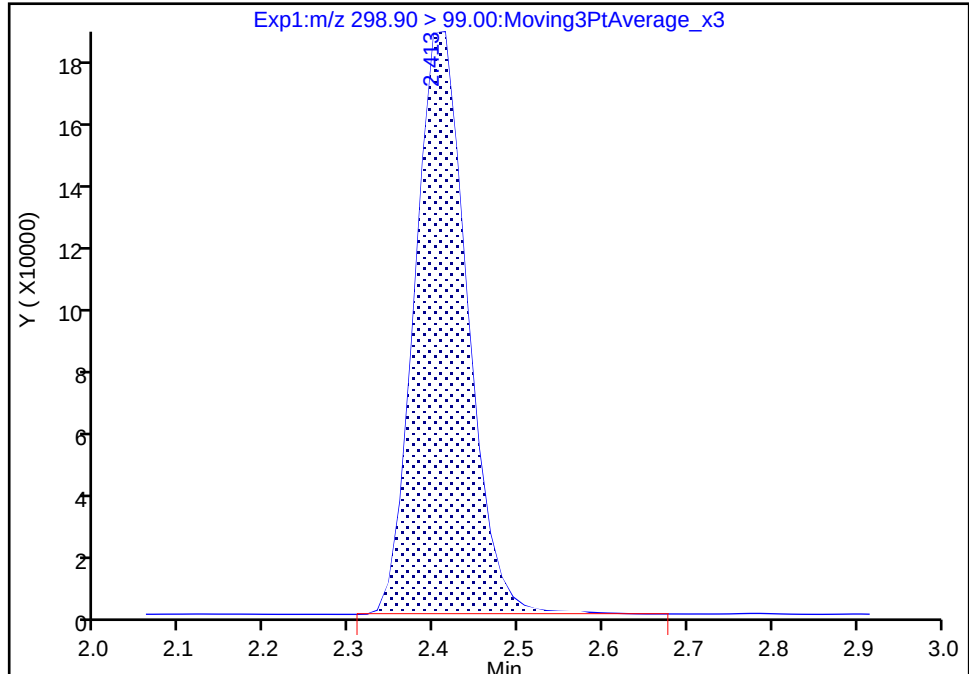
Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

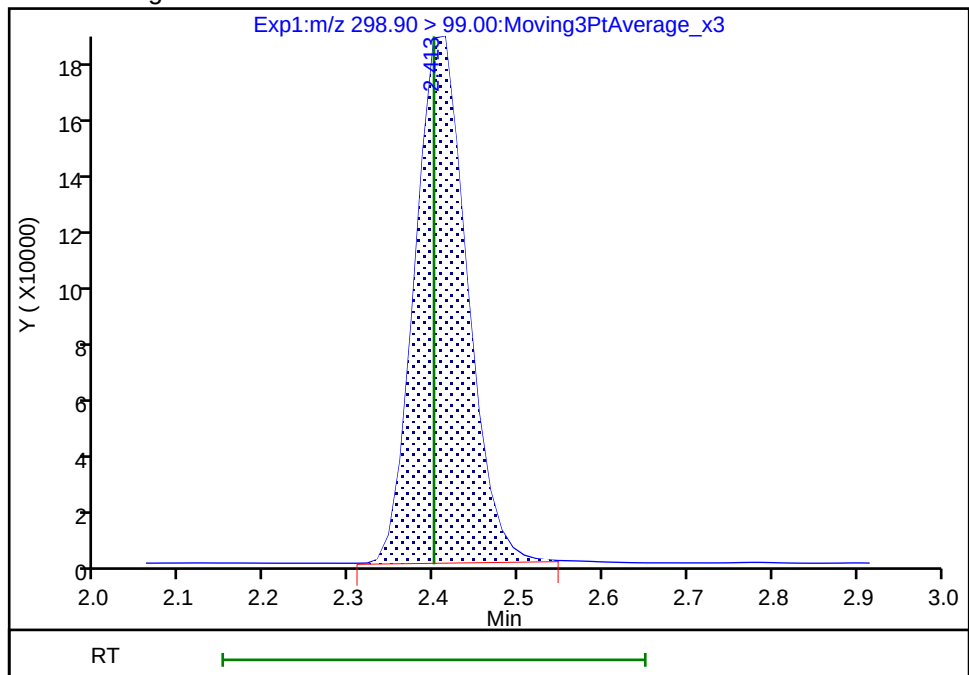
RT: 2.41
Area: 775876
Amount: 0.834900
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 767266
Amount: 0.827981
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:37:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

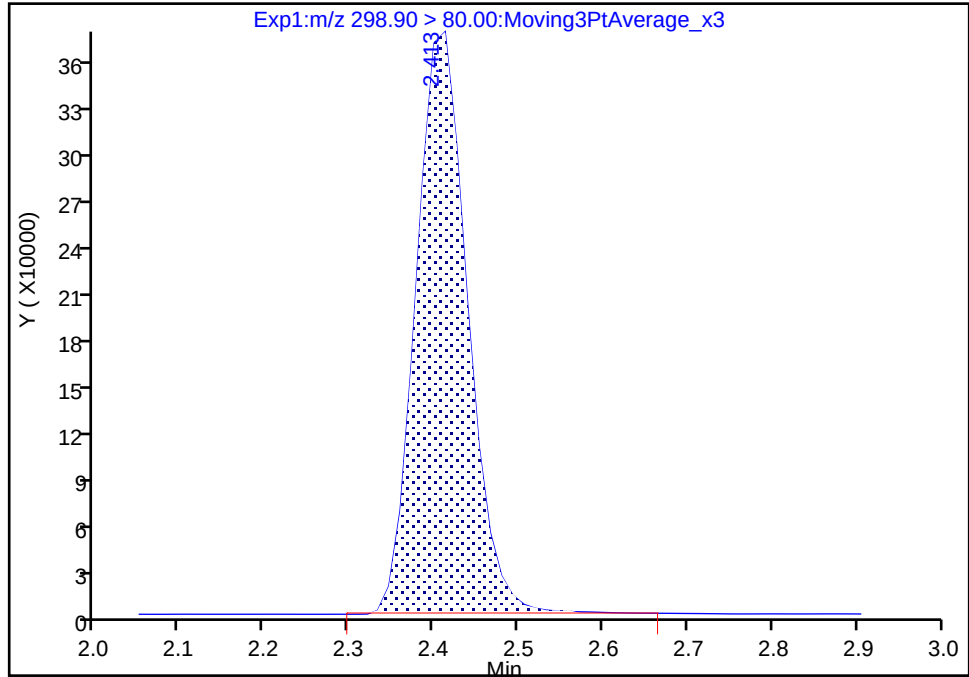
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B03.d
Injection Date: 19-Dec-2022 18:28:14 Instrument ID: LC812
Lims ID: LCS 200-186815/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

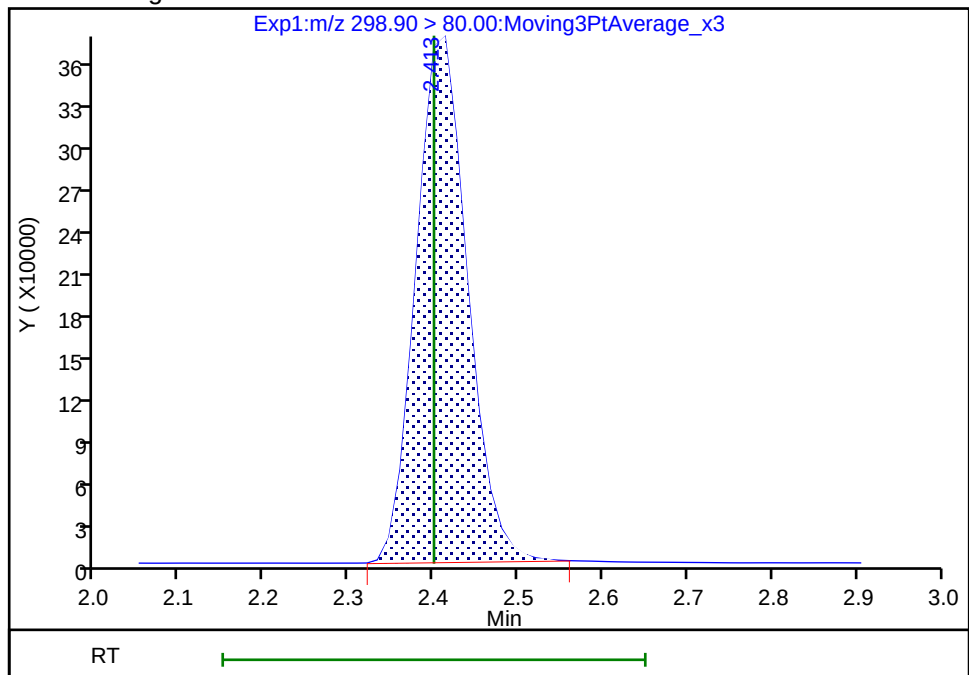
RT: 2.41
Area: 1607430
Amount: 0.834900
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 1594109
Amount: 0.827981
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:38:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B03.d

Injection Date: 19-Dec-2022 18:28:14

Instrument ID: LC812

Lims ID: LCS 200-186815/2-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

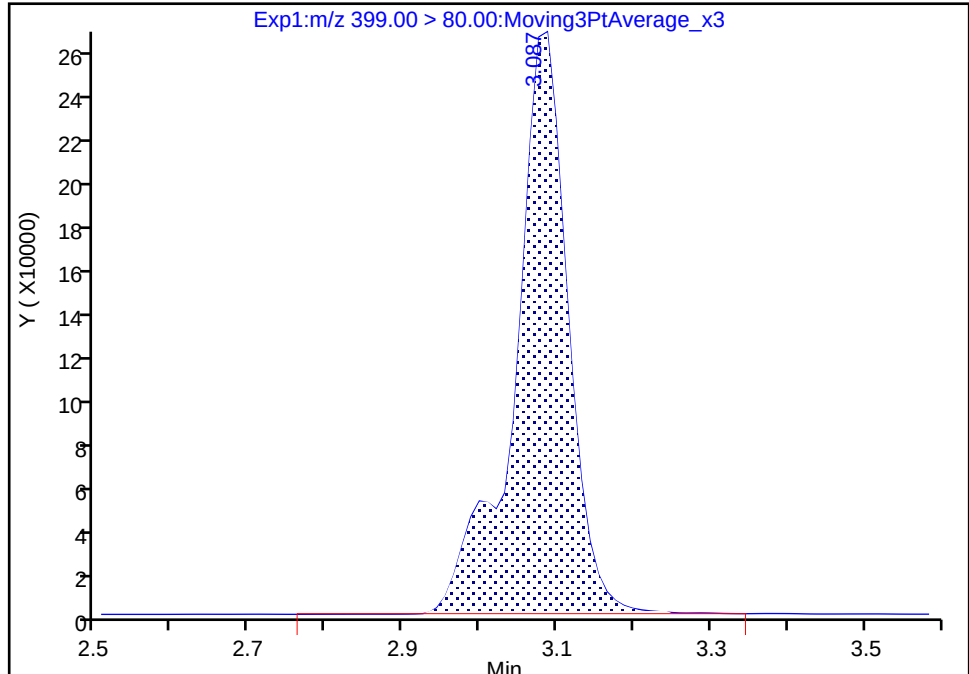
EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

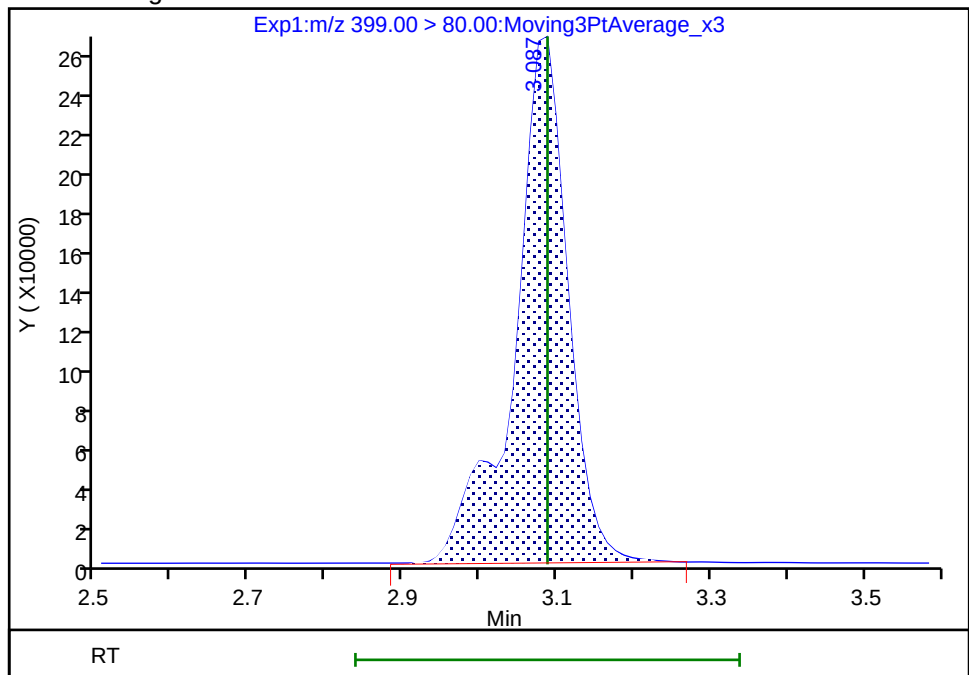
RT: 3.09
Area: 1274323
Amount: 0.858194
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 1269264
Amount: 0.854787
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:38:35

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

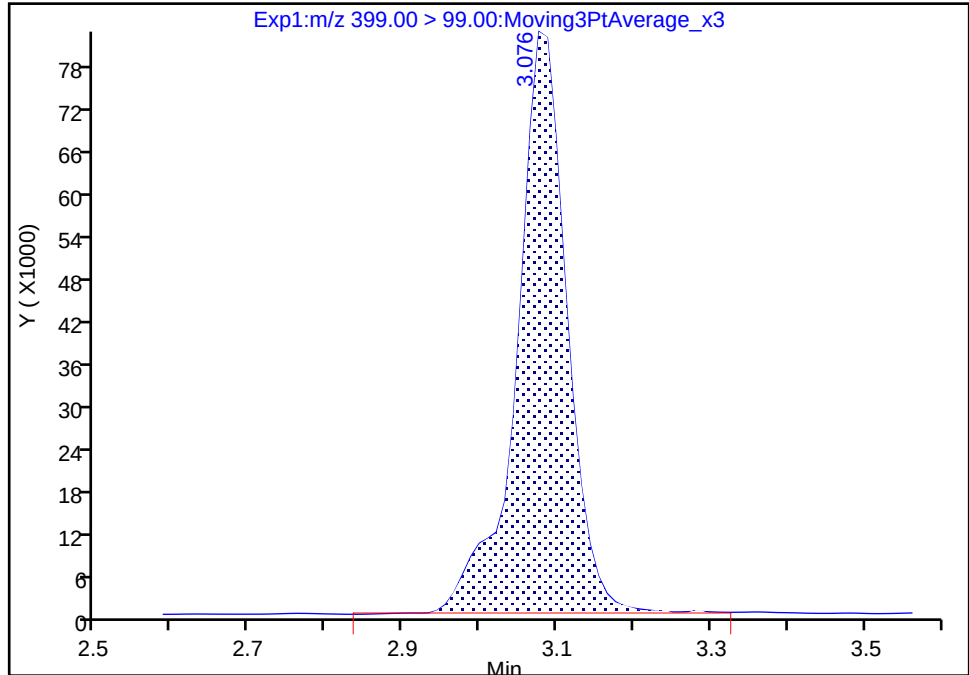
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B03.d
Injection Date: 19-Dec-2022 18:28:14 Instrument ID: LC812
Lims ID: LCS 200-186815/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

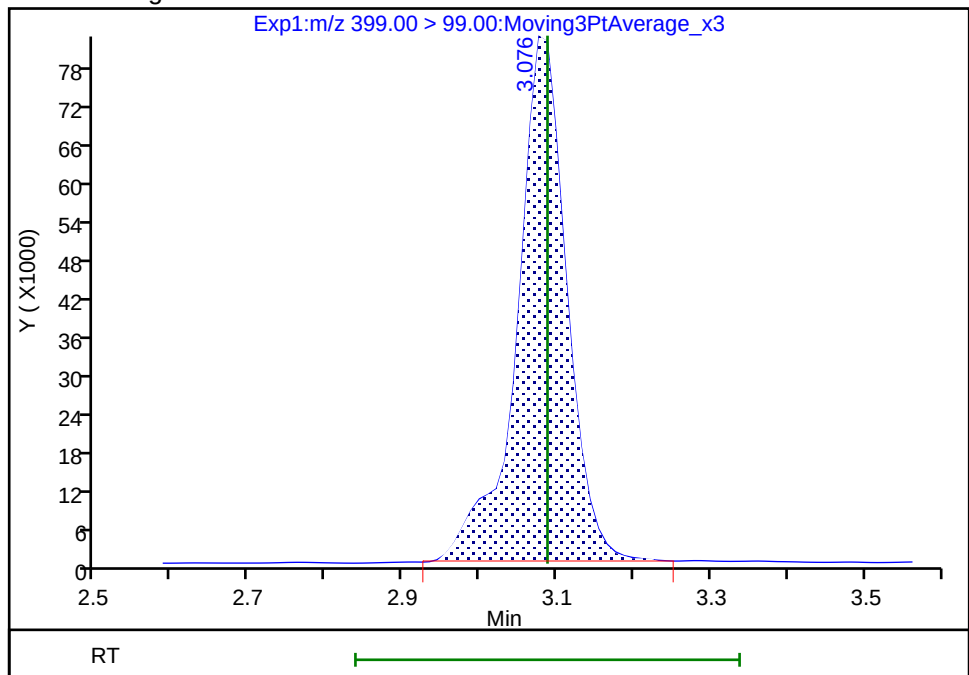
RT: 3.08
Area: 374518
Amount: 0.858194
Amount Units: ng/ml

Processing Integration Results



RT: 3.08
Area: 371608
Amount: 0.854787
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:38:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B03.d

Injection Date: 19-Dec-2022 18:28:14

Instrument ID: LC812

Lims ID: LCS 200-186815/2-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

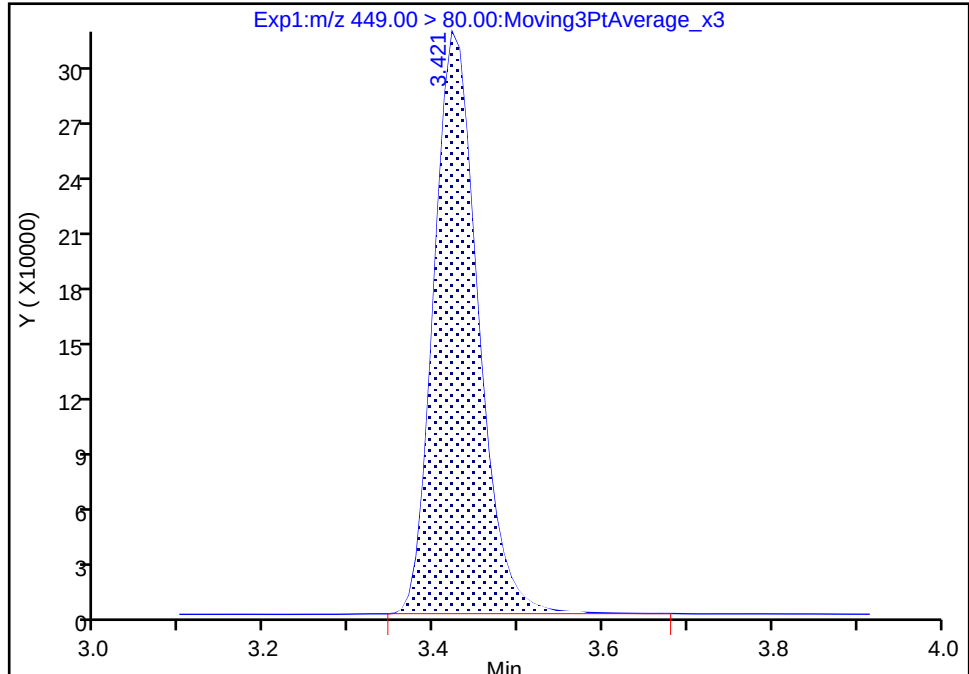
EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

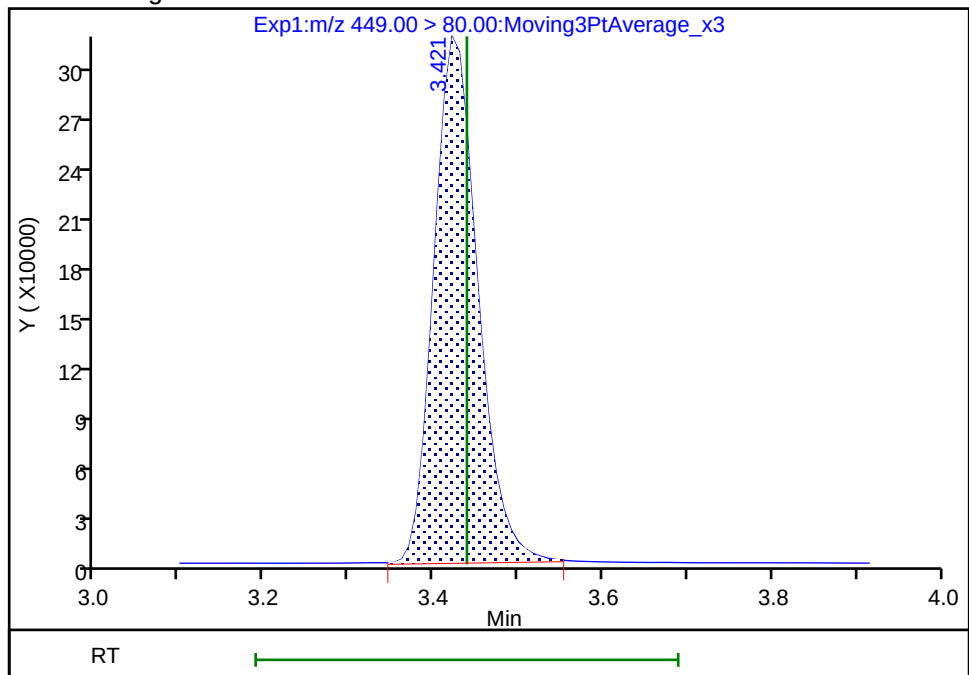
RT: 3.42
Area: 1137410
Amount: 0.906773
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 1134490
Amount: 0.904445
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:39:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

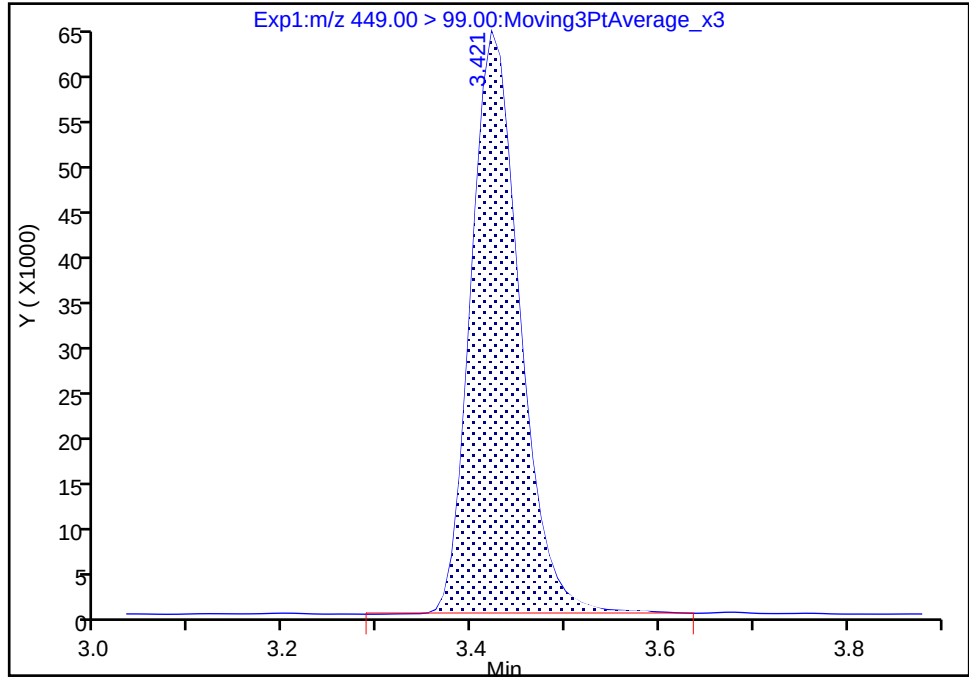
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B03.d
Injection Date: 19-Dec-2022 18:28:14 Instrument ID: LC812
Lims ID: LCS 200-186815/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

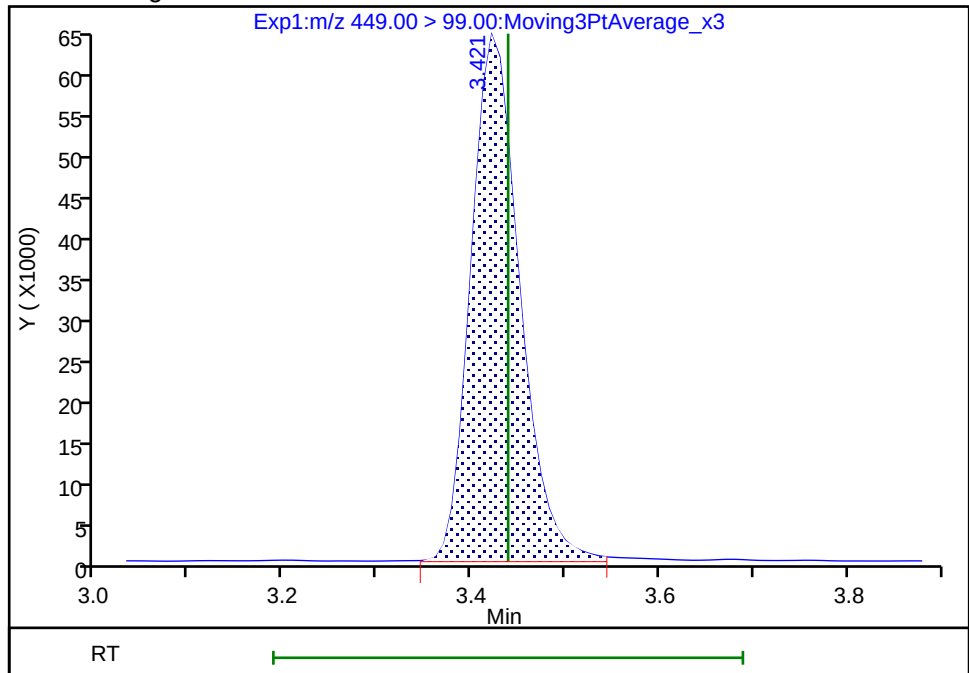
RT: 3.42
Area: 233201
Amount: 0.906773
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 230657
Amount: 0.904445
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:39:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B03.d

Injection Date: 19-Dec-2022 18:28:14

Instrument ID: LC812

Lims ID: LCS 200-186815/2-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

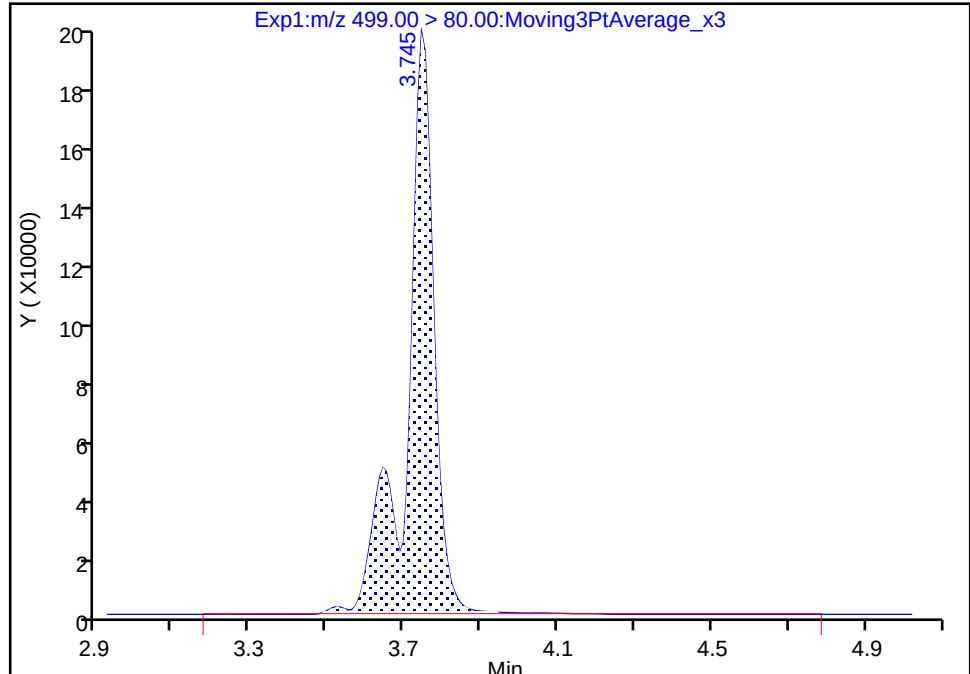
EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

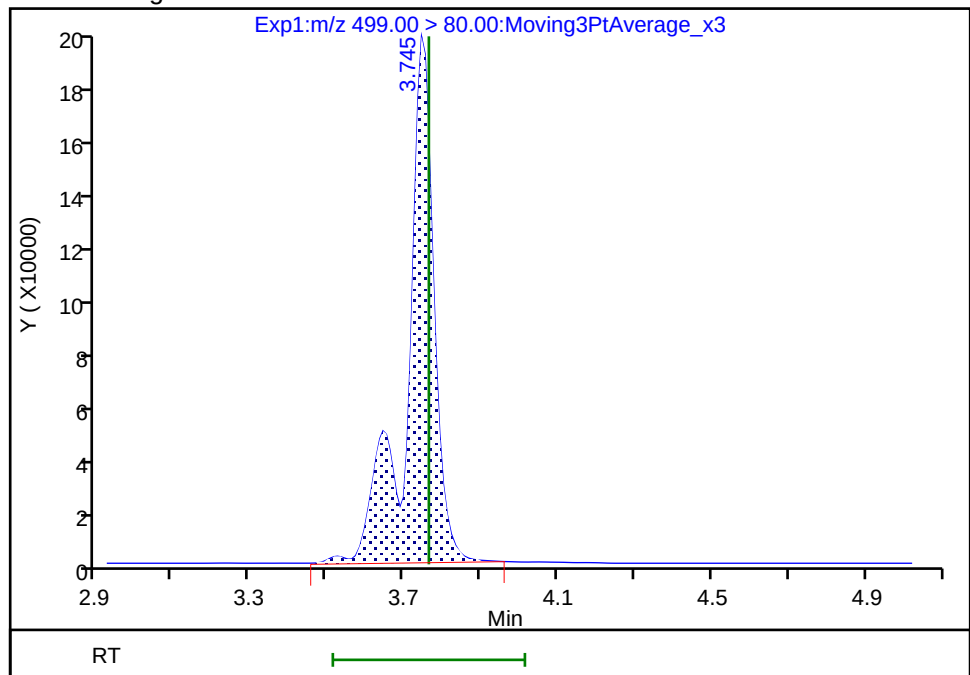
RT: 3.74
Area: 952295
Amount: 0.871923
Amount Units: ng/ml

Processing Integration Results



RT: 3.74
Area: 936600
Amount: 0.857553
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:40:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

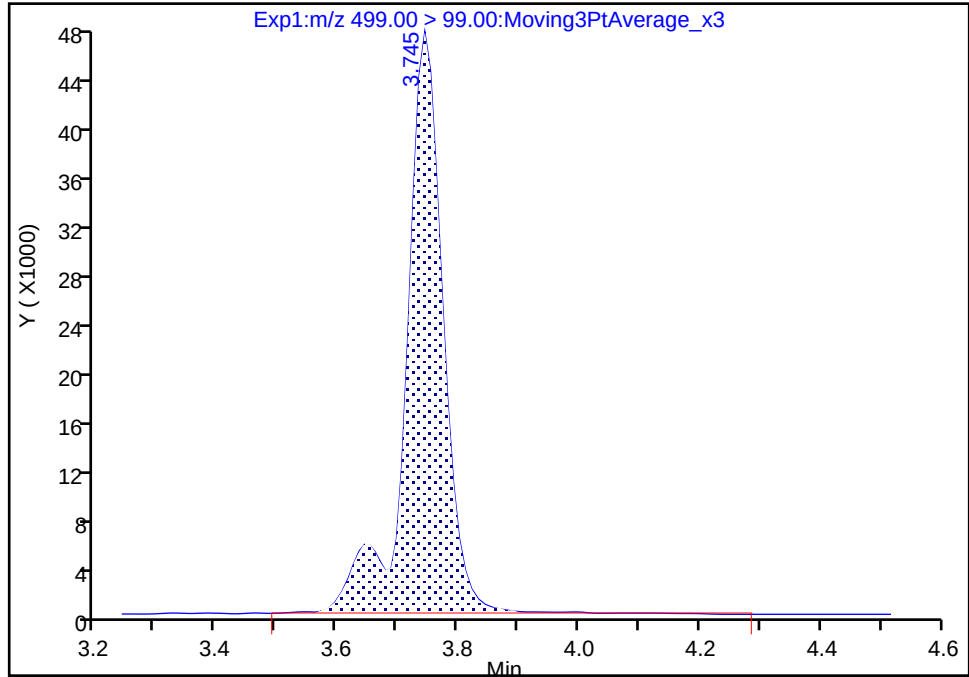
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B03.d
Injection Date: 19-Dec-2022 18:28:14 Instrument ID: LC812
Lims ID: LCS 200-186815/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

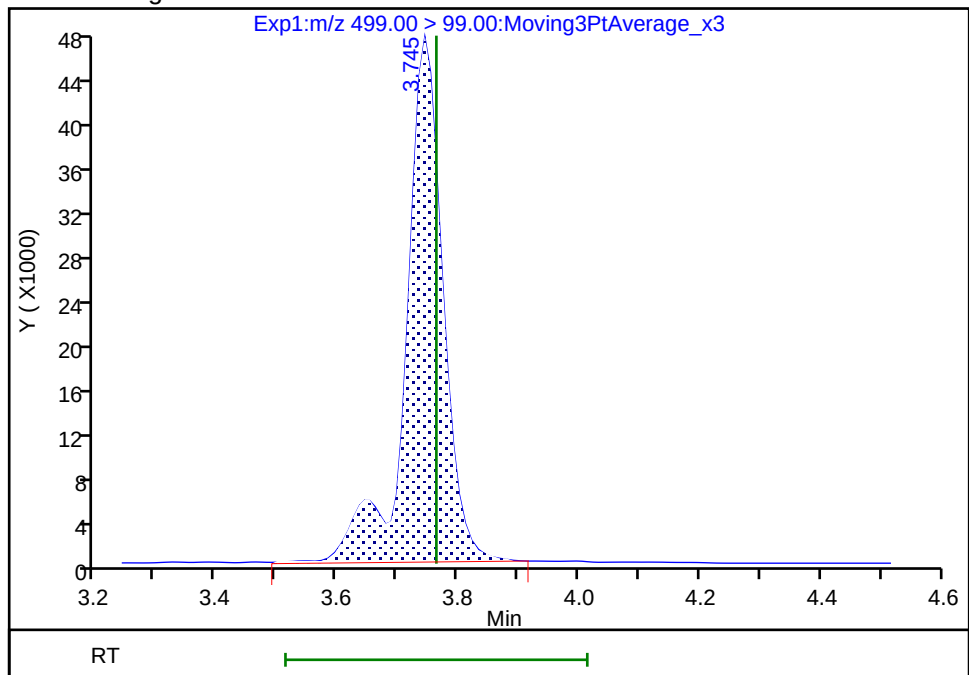
RT: 3.74
Area: 209398
Amount: 0.871923
Amount Units: ng/ml

Processing Integration Results



RT: 3.74
Area: 203923
Amount: 0.857553
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:40:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B03.d

Injection Date: 19-Dec-2022 18:28:14

Instrument ID: LC812

Lims ID: LCS 200-186815/2-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)

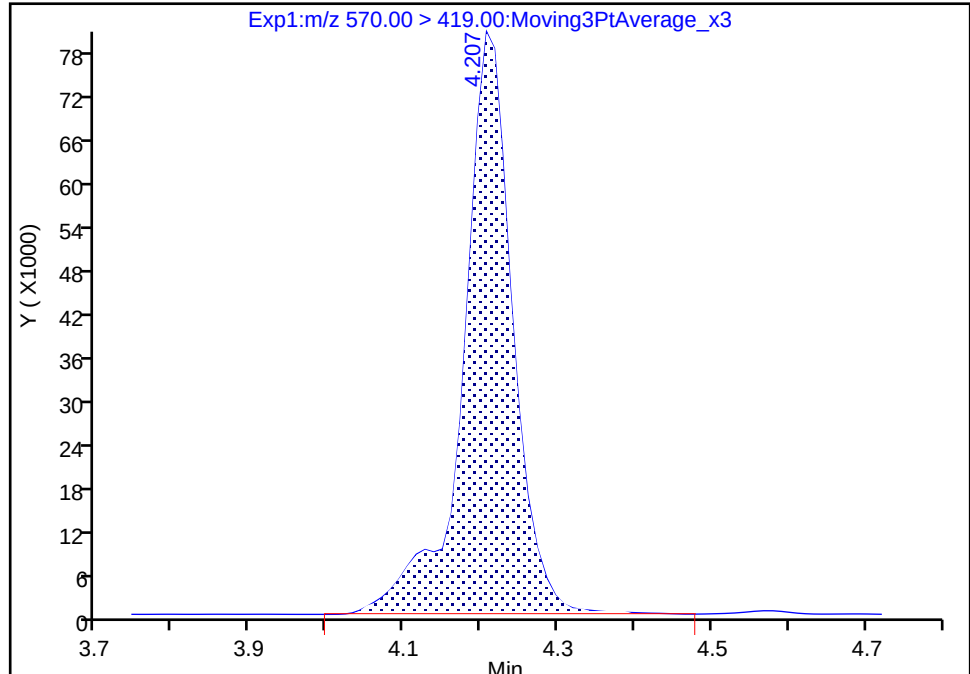
Detector: EXP1

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

Signal: 1

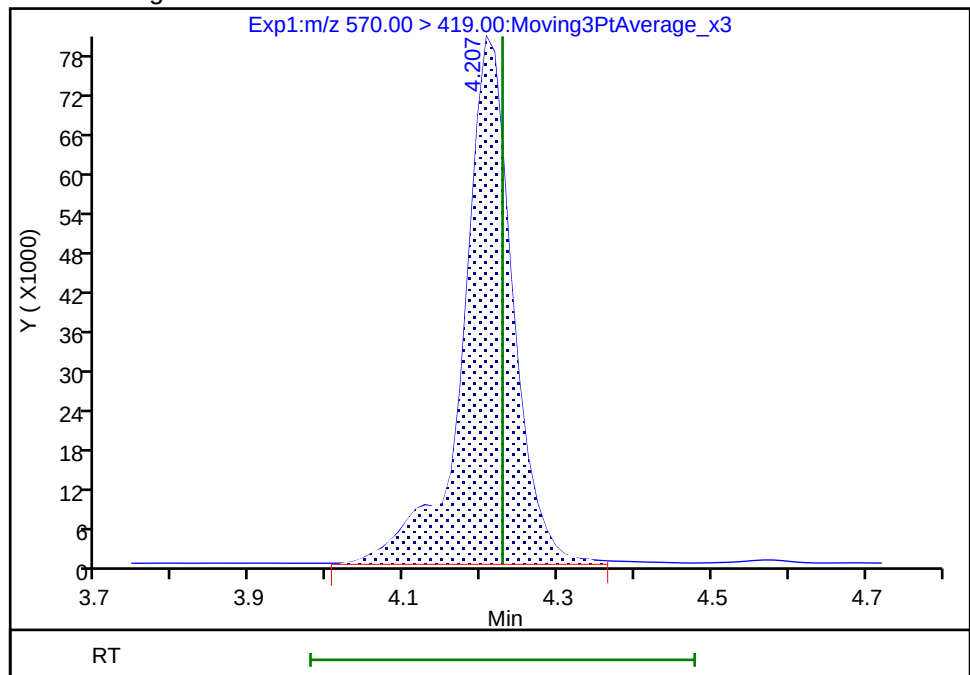
RT: 4.21
Area: 364832
Amount: 1.047815
Amount Units: ng/ml

Processing Integration Results



RT: 4.21
Area: 363284
Amount: 1.043319
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:41:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B03.d

Injection Date: 19-Dec-2022 18:28:14

Instrument ID: LC812

Lims ID: LCS 200-186815/2-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)

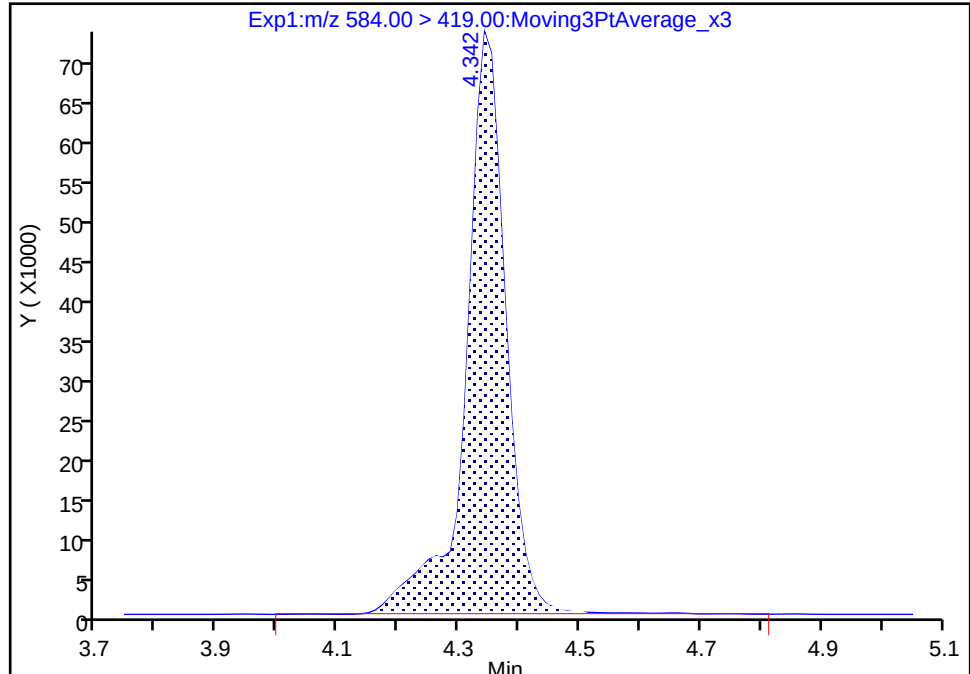
Detector: EXP1

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

Signal: 1

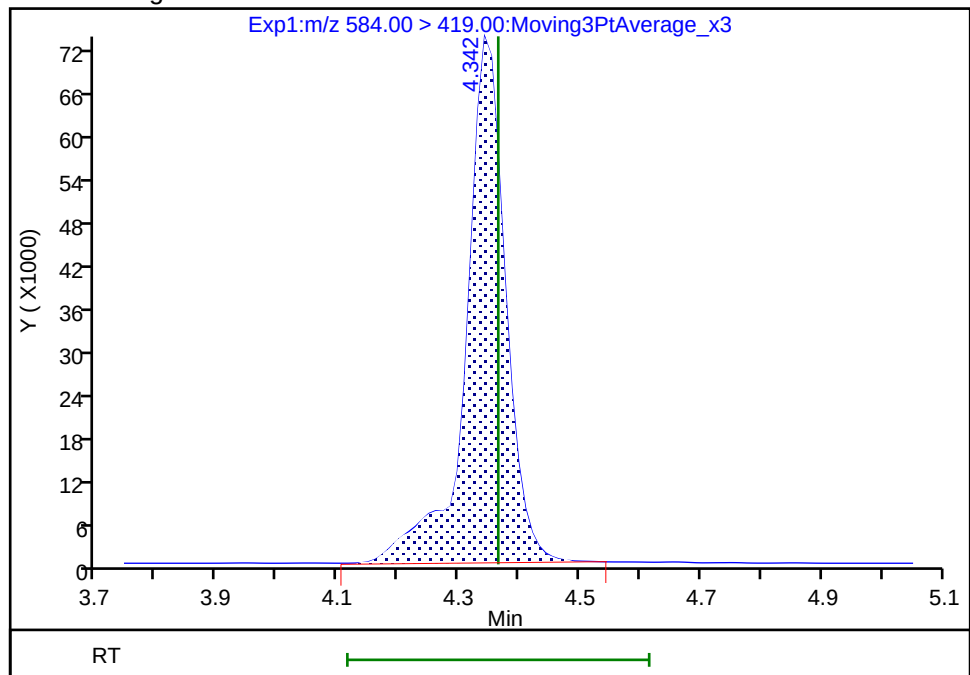
RT: 4.34
Area: 340365
Amount: 0.930868
Amount Units: ng/ml

Processing Integration Results



RT: 4.34
Area: 336232
Amount: 0.919564
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 22-Dec-2022 08:36:34

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B03.d

Injection Date: 19-Dec-2022 18:28:14

Instrument ID: LC812

Lims ID: LCS 200-186815/2-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)

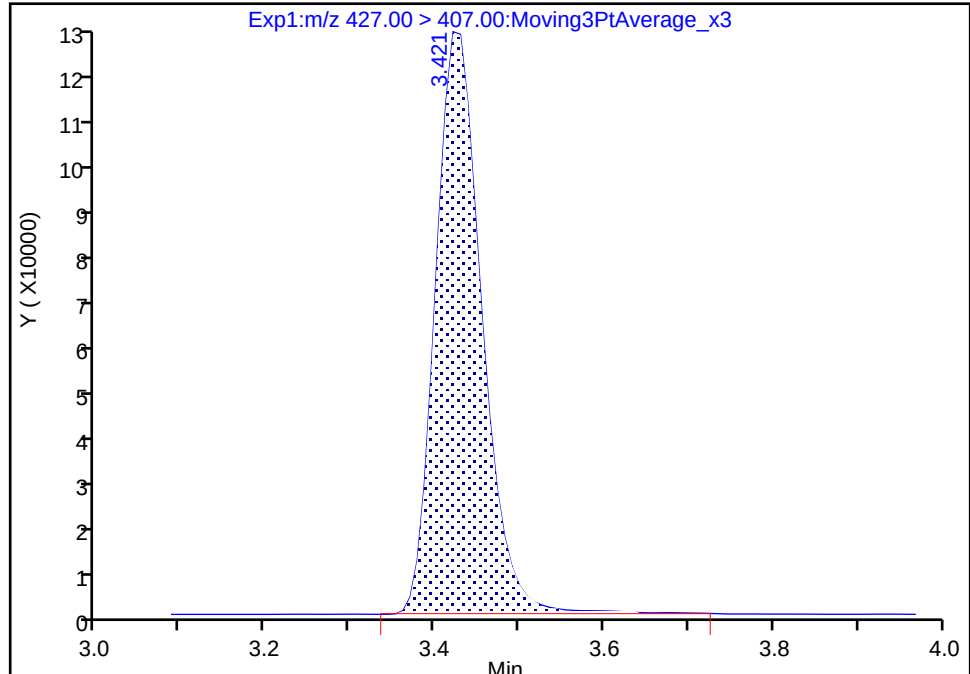
Detector: EXP1

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

Signal: 1

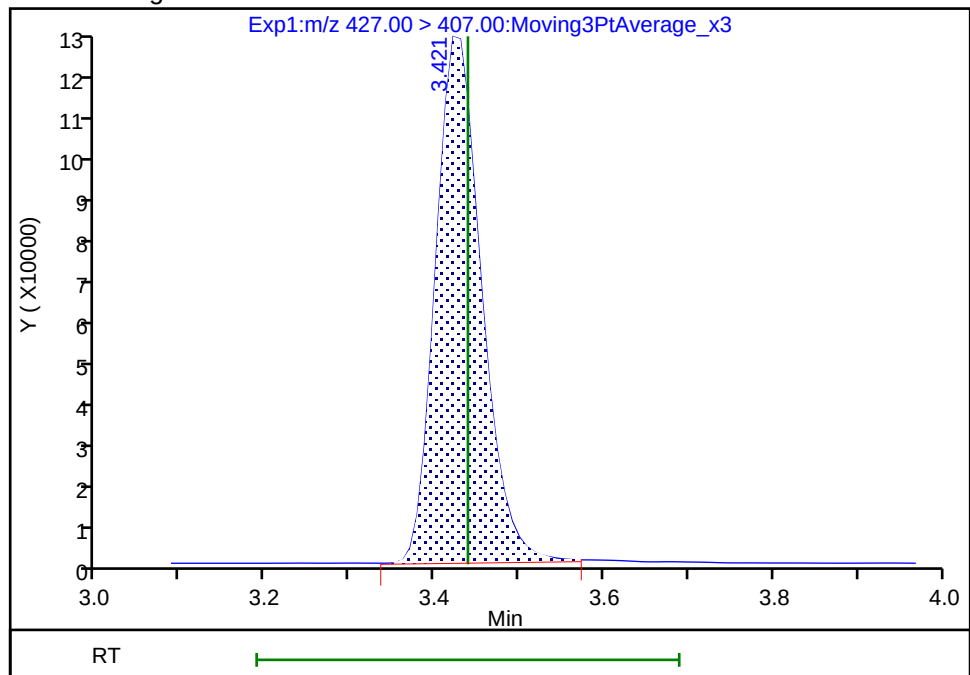
RT: 3.42
Area: 468595
Amount: 0.968198
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 465860
Amount: 0.962478
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:39:08

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B03.d

Injection Date: 19-Dec-2022 18:28:14

Instrument ID: LC812

Lims ID: LCS 200-186815/2-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)

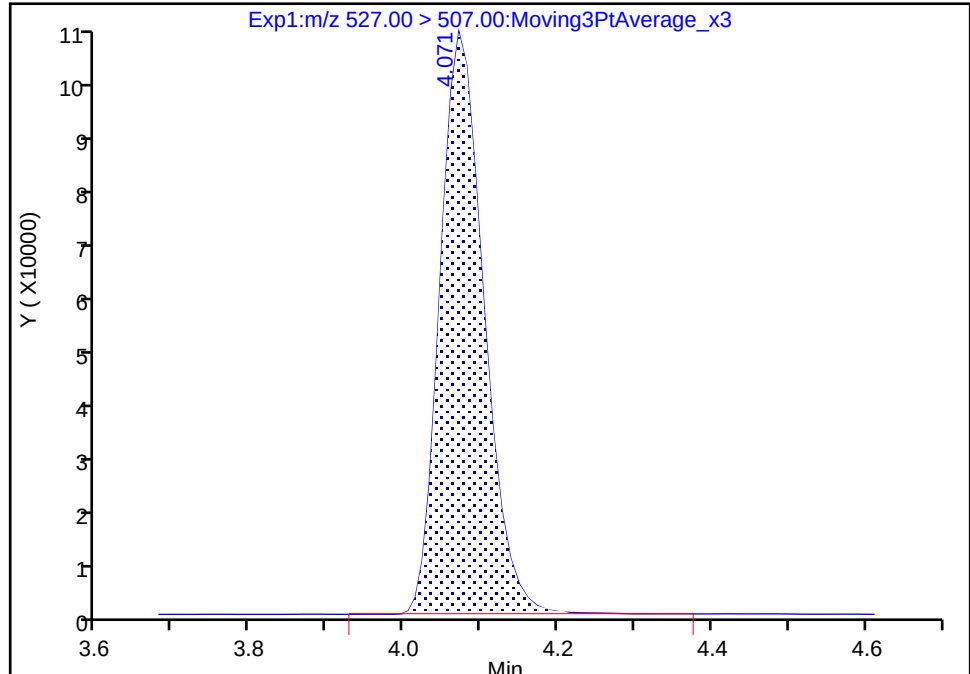
Detector: EXP1

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

Signal: 1

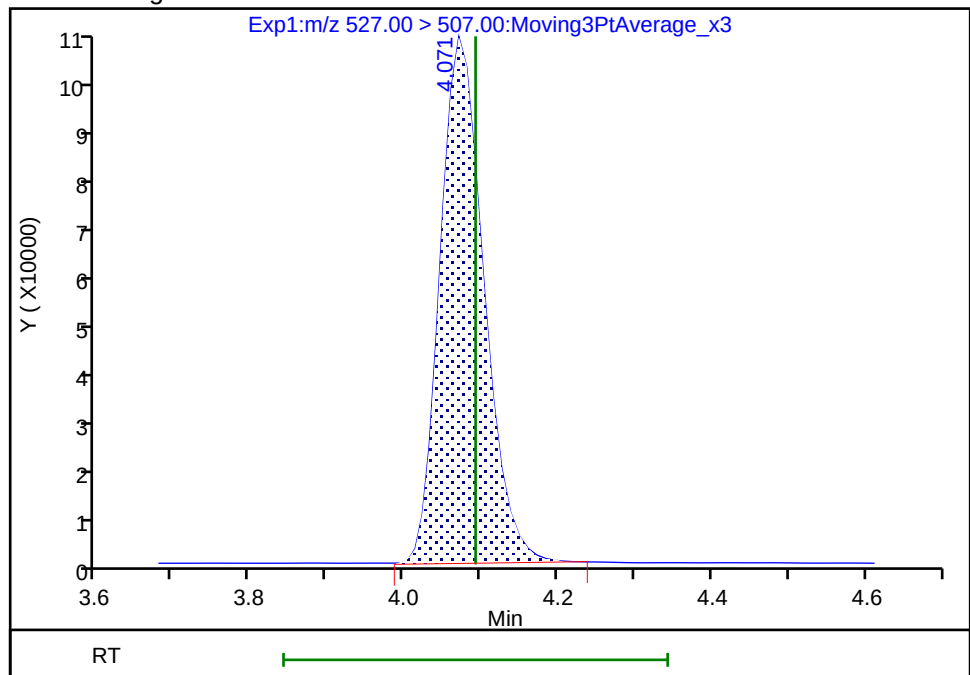
RT: 4.07
Area: 410044
Amount: 0.915538
Amount Units: ng/ml

Processing Integration Results



RT: 4.07
Area: 409447
Amount: 0.914205
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:41:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B03.d

Injection Date: 19-Dec-2022 18:28:14

Instrument ID: LC812

Lims ID: LCS 200-186815/2-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)

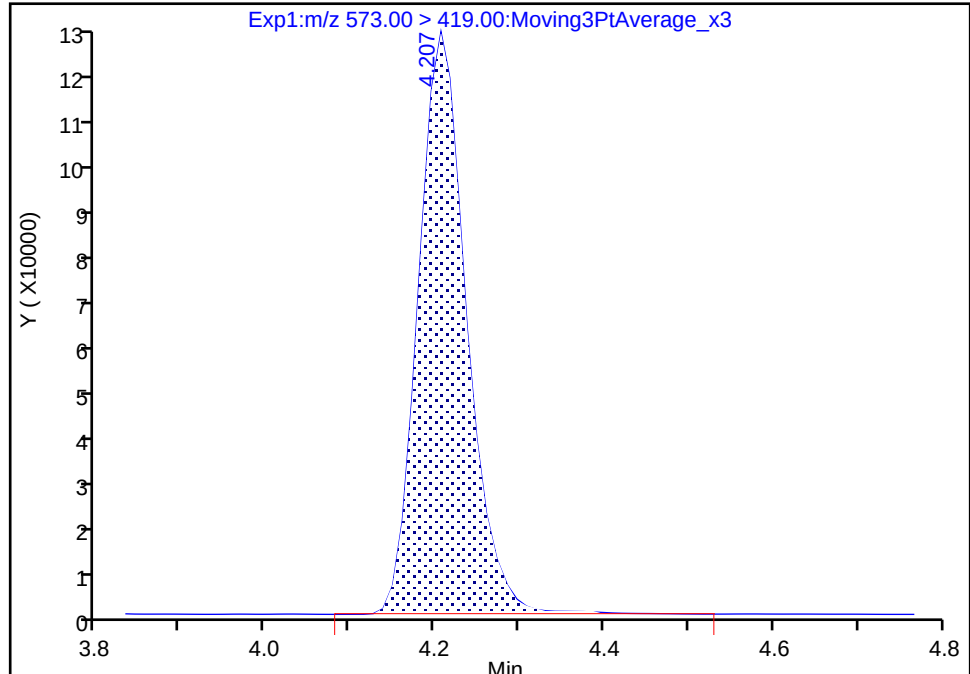
Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

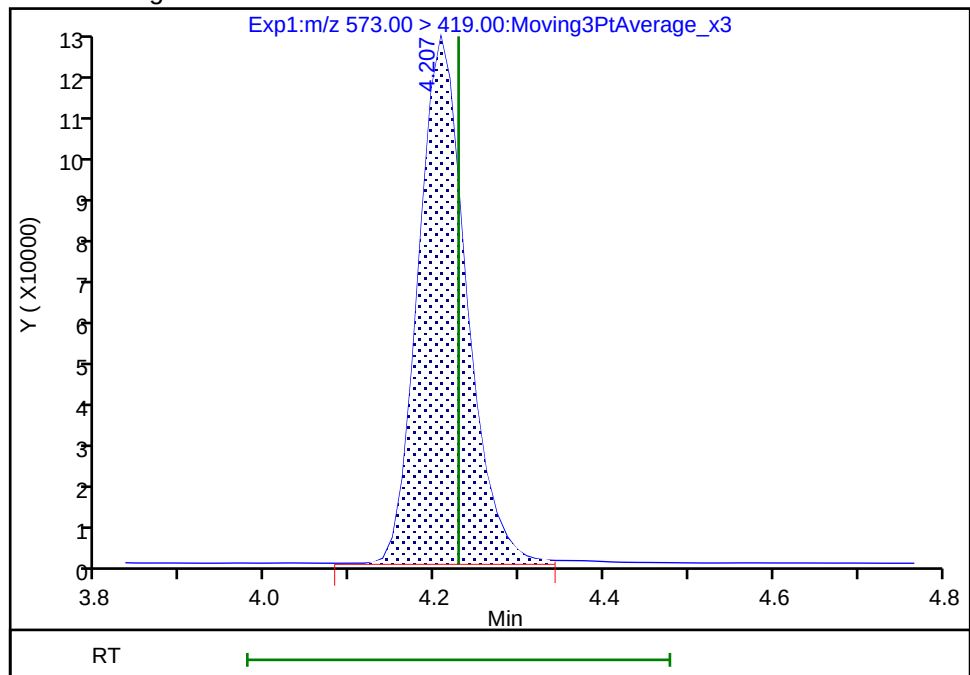
RT: 4.21
Area: 503217
Amount: 1.072013
Amount Units: ng/ml

Processing Integration Results



RT: 4.21
Area: 500385
Amount: 1.065980
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 09:37:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-271302-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: 460-271307-A-4-B MS

Matrix: Solid Lab File ID: PA221219B25.d

Analysis Method: 537 (modified) Date Collected: _____

Extraction Method: SHAKE Date Extracted: 12/16/2022 16:11

Sample wt/vol: 5.22(g) Date Analyzed: 12/19/2022 21:28

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6 (mm)

% Moisture: 13.5 % Solids: 86.5 GPC Cleanup: (Y/N) N

Cleanup Factor: _____

Analysis Batch No.: 186872 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	2.071		0.55	0.37
2706-90-3	Perfluoropentanoic acid (PFPeA)	2.167		0.22	0.061
307-24-4	Perfluorohexanoic acid (PFHxA)	2.092		0.22	0.051
375-85-9	Perfluoroheptanoic acid (PFHpA)	2.080		0.22	0.043
335-67-1	Perfluorooctanoic acid (PFOA)	2.053		0.22	0.064
375-95-1	Perfluorononanoic acid (PFNA)	2.177		0.22	0.038
335-76-2	Perfluorodecanoic acid (PFDA)	2.134		0.22	0.031
2058-94-8	Perfluoroundecanoic acid (PFUnA)	2.050		0.22	0.030
307-55-1	Perfluorododecanoic acid (PFDoA)	2.134		0.22	0.028
72629-94-8	Perfluorotridecanoic acid (PFTriA)	2.161		0.22	0.028
376-06-7	Perfluorotetradecanoic acid (PFTeA)	2.154		0.22	0.029
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.848		0.22	0.037
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.862		0.22	0.045
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	2.085		0.22	0.025
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.864		0.22	0.12
335-77-3	Perfluorodecanesulfonic acid (PFDS)	2.039		0.22	0.021
754-91-6	Perfluorooctanesulfonamide (FOSA)	2.115		0.22	0.038
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.297		2.21	0.12
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.129	J	2.21	0.092
27619-97-2	6:2 FTS	2.168	J	2.21	0.063
39108-34-4	8:2 FTS	2.092	J	2.21	0.041

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Burlington</u>	Job No.: <u>460-271302-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>460-271307-A-4-B MS</u>
Matrix: <u>Solid</u>	Lab File ID: <u>PA221219B25.d</u>
Analysis Method: <u>537 (modified)</u>	Date Collected: _____
Extraction Method: <u>SHAKE</u>	Date Extracted: <u>12/16/2022 16:11</u>
Sample wt/vol: <u>5.22(g)</u>	Date Analyzed: <u>12/19/2022 21:28</u>
Con. Extract Vol.: <u>10(mL)</u>	Dilution Factor: <u>1</u>
Injection Volume: <u>20(uL)</u>	GC Column: <u>C-18</u> ID: <u>4.6 (mm)</u>
% Moisture: <u>13.5</u> % Solids: <u>86.5</u>	GPC Cleanup: (Y/N) <u>N</u>
Cleanup Factor: _____	
Analysis Batch No.: <u>186872</u>	Units: <u>ug/Kg</u>

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	76		50-150
STL01892	13C4 PFHpA	85		50-150
STL00990	13C4 PFOA	85		50-150
STL00991	13C4 PFOS	71		50-150
STL00995	13C5 PFNA	83		50-150
STL00992	13C4 PFBA	76		50-150
STL00993	13C2 PFHxA	82		50-150
STL00996	13C2 PFDA	86		50-150
STL00997	13C2 PFUnA	82		50-150
STL00998	13C2 PFDoA	79		50-150
STL01056	13C8 FOSA	69		50-150
STL01893	13C5 PFPeA	74		50-150
STL02116	13C2 PFTeDA	77		50-150
STL02118	d3-NMeFOSAA	76		50-150
STL02117	d5-NEtFOSAA	77		50-150
STL02279	M2-6:2 FTS	68		50-150
STL02280	M2-8:2 FTS	65		50-150
STL02337	13C3 PFBS	72		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B25.d
 Lims ID: 460-271307-A-4-B MS
 Client ID:
 Sample Type: MS
 Inject. Date: 19-Dec-2022 21:28:19 ALS Bottle#: 25 Worklist Smp#: 25
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 460-271307-A-4-B MS
 Misc. Info.: 200-0053737-025 Plate: 1 Rack: 2
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 22-Dec-2022 09:36:59 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1616

First Level Reviewer: khanphomeea

Date: 20-Dec-2022 10:33:12

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.085	2.076	0.009	0.606	2351017	0.9452		75.6	7735	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.076	0.009	1.000	1814422	0.9355		93.6	150	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.388	2.387	0.001	0.694	1763823	0.9311		74.5	2970	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.388	2.387	0.001	1.000	1505665	0.9791		97.9	36.9	
D 47 13C3 PFBS										
301.90 > 80.00	2.402	2.400	0.002	0.698	1717345	0.8344		71.8	284590	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.415	2.400	0.015	1.006	1411165	0.8349	Target=2.09	94.5	1772	
298.90 > 99.00	2.415	2.400	0.015	1.006	648043		2.18(1.04-3.13)		356	
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.691	2.689	0.002	1.000	311470	0.8992		96.3	1235	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.691	2.689	0.002	0.782	131269	0.7218		61.8	115	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.728	2.725	0.003	0.793	2042956	1.03		82.3	3715	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.728	2.725	0.003	1.000	1682638	0.9449	Target=14.25	94.5	287	M
313.00 > 119.00	2.728	2.725	0.003	1.000	119238		14.11(7.12-21.37)		219	M
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.740	2.737	0.003	0.887	1332655	0.8762	Target=3.04	93.4	1967	
349.00 > 99.00	2.740	2.737	0.003	0.887	452931		2.94(1.52-4.56)		781	
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.837	2.835	0.002	1.000	290198	0.9489		94.9	1771	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	2.837	2.835	0.002	0.825	362038	1.03		82.7	1261	
D 11 18O2 PFHxS										
403.00 > 84.00	3.090	3.088	0.002	0.898	1346778	0.8982		76.0	1629	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.090	3.088	0.002	1.000	1081266	0.8412	Target=3.66	92.4	1182	M
399.00 > 99.00	3.090	3.088	0.002	1.000	329314		3.28(1.83-5.49)		530	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.090	3.099	-0.009	0.898	2157668	1.06		84.6	3596	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.090	3.099	-0.009	1.000	1765777	0.9396	Target=3.97	94.0	402	M
363.00 > 169.00	3.090	3.099	-0.009	1.000	454295		3.89(1.98-5.95)		963	M
77 DONA										
377.00 > 251.00	3.123	3.132	-0.009	0.833	4308871	1.09	Target=3.16	116	2373	M
377.00 > 85.00	3.123	3.132	-0.009	0.833	1356519		3.18(1.58-4.73)		1364	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.432	3.439	-0.007	0.997	201609	0.8019		67.5	561	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.432	3.439	-0.007	1.000	355514	0.9794		103	745	
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.424	3.439	-0.015	0.913	945160	0.9421	Target=5.14	99.0	1624	M
449.00 > 99.00	3.424	3.439	-0.015	0.913	197747		4.78(2.57-7.72)		786	M
D 14 13C4 PFOA										
417.00 > 372.00	3.441	3.448	-0.007	1.000	2451972	1.07		85.5	2277	
* 62 13C2 PFOA										
415.00 > 370.00	3.441	3.448	-0.007		2771867	1.25			5251	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.441	3.448	-0.007	1.000	1944869	0.9275	Target=2.79	92.7	138	M
413.00 > 169.00	3.441	3.448	-0.007	1.000	691507		2.81(1.40-4.19)		660	M
D 18 13C4 PFOS										
503.00 > 80.00	3.748	3.764	-0.016	1.089	858373	0.8437		70.6	2100	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.758	3.764	-0.006	1.003	735608	0.8421	Target=5.11	90.7	791	M
499.00 > 99.00	3.748	3.764	-0.016	1.000	167090		4.40(2.55-7.66)		381	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.777	3.783	-0.006	1.003	1893787	0.9836	Target=8.55	98.4	407	
463.00 > 169.00	3.767	3.783	-0.016	1.000	227026		8.34(4.28-12.83)		1165	
D 19 13C5 PFNA										
468.00 > 423.00	3.767	3.783	-0.016	1.095	2320128	1.04		83.2	4392	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.919	3.928	-0.009	1.046	1808941	0.9023		96.8	3161	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.044	4.050	-0.006	1.079	581768	0.8824	Target=2.53	91.9	2102	
549.00 > 99.00	4.044	4.050	-0.006	1.079	242167		2.40(1.27-3.80)		1324	
D 23 13C2 PFDA										
515.00 > 470.00	4.074	4.081	-0.007	1.184	2436630	1.07		85.8	4170	

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	4.074	4.081	-0.007	1.000	2037624	0.9639	Target=10.26	96.4	696	
513.00 > 169.00	4.074	4.081	-0.007	1.000	199204		10.23(5.13-15.38)		567	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.074	4.093	-0.019	1.184	241202	0.7843		65.5	860	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.074	4.093	-0.019	1.000	307789	0.9450		98.6	1321	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.141	4.150	-0.009	1.000	1278267	0.9555		95.6	1232	
D 21 13C8 FOSA										
506.00 > 78.00	4.141	4.150	-0.009	1.203	1600572	0.8590		68.7	2583	
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.210	4.228	-0.018	1.223	438832	0.9483		75.9	441	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.220	4.228	-0.008	1.002	316895	1.04		104	602	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.312	4.331	-0.019	1.150	479557	0.9212	Target=2.51	95.6	2257	
599.00 > 99.00	4.312	4.331	-0.019	1.150	182039		2.63(1.25-3.76)		1461	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.334	4.353	-0.019	1.260	2145471	1.03		82.5	4689	
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.334	4.353	-0.019	1.000	1601901	0.9261	Target=9.88	92.6	615	M
563.00 > 169.00	4.334	4.353	-0.019	1.000	158066		10.13(4.94-14.82)		1454	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.357	4.365	-0.008	1.003	300109	0.9617		96.2	750	M
D 32 d5-NEtFOSAA										M
589.00 > 419.00	4.346	4.365	-0.019	1.263	435739	0.9563		76.5	1060	M
66 11-Chloroeicosafuoro-3-oxaundec										M
631.00 > 451.00	4.435	4.454	-0.019	1.183	2848434	0.9217		97.8	3643	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.582	4.591	-0.009	1.002	1711616	0.9642	Target=7.77	96.4	179	M
613.00 > 169.00	4.582	4.591	-0.009	1.002	226641		7.55(3.89-11.66)		1342	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.571	4.591	-0.020	1.328	2094518	0.9878		79.0	3551	
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.593	4.612	-0.019	1.127	183335	0.9367		97.2	737	M
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.750	4.776	-0.026	1.267	200643	0.9109	Target=0.50	94.1	1472	M
699.00 > 99.00	4.750	4.776	-0.026	1.267	381193		0.53(0.25-0.76)		2122	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.787	4.804	-0.017	1.047	1657645	0.9764	Target=5.21	97.6	156	M
663.00 > 169.00	4.787	4.804	-0.017	1.047	287603		5.76(2.60-7.81)		978	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	4.983	5.012	-0.029	1.000	187036	0.9732	Target=0.89	97.3	1198	M
713.00 > 219.00	4.983	5.012	-0.029	1.000	196216		0.95(0.44-1.33)		963	M
D 43 13C2 PFTeDA										
715.00 > 670.00	4.983	5.012	-0.029	1.448	1754807	0.9568		76.5	3885	

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	5.345	5.367	-0.022	1.000	1477876	0.9733	Target=5.65	97.3	155	M
813.00 > 169.00	5.345	5.367	-0.022	1.000	246357		6.00(2.82-8.47)		1073	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.345	5.367	-0.022	1.553	2028537	0.8947		71.6	4241	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.687	5.722	-0.035	1.064	1298184	0.9713	Target=6.24	97.1	161	M
913.00 > 169.00	5.687	5.722	-0.035	1.064	190056		6.83(3.12-9.36)		670	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B25.d

Injection Date: 19-Dec-2022 21:28:19

Instrument ID: LC812

Lims ID: 460-271307-A-4-B MS

Client ID:

Operator ID: lc812tech

ALS Bottle#: 25

Worklist Smp#: 25

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

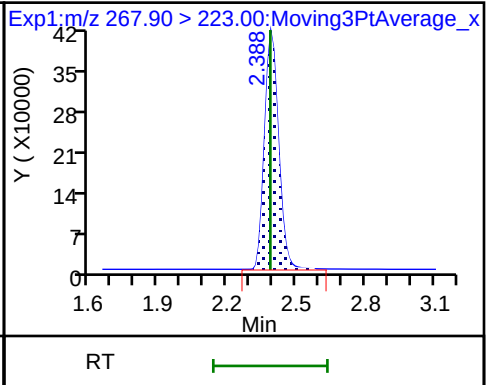
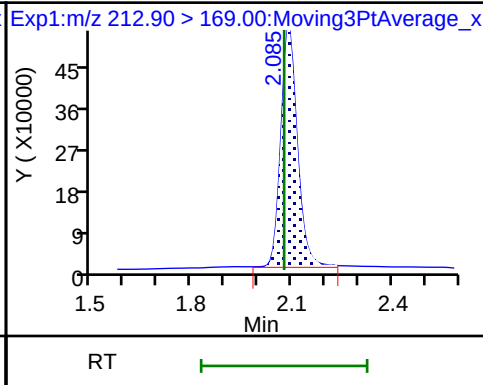
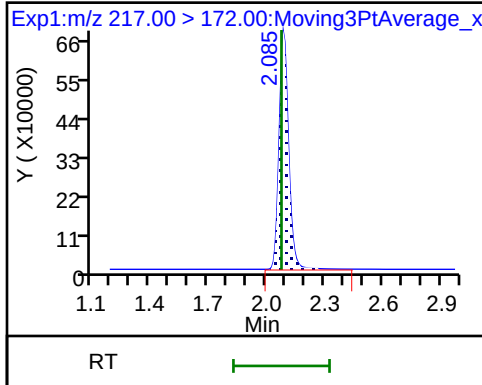
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

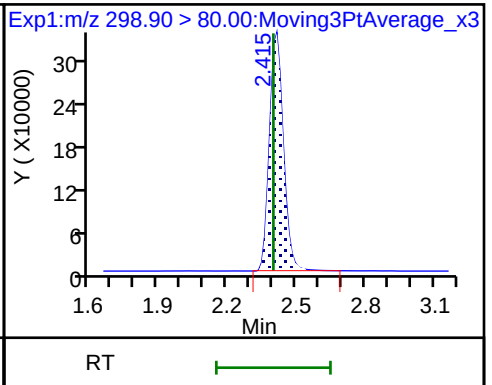
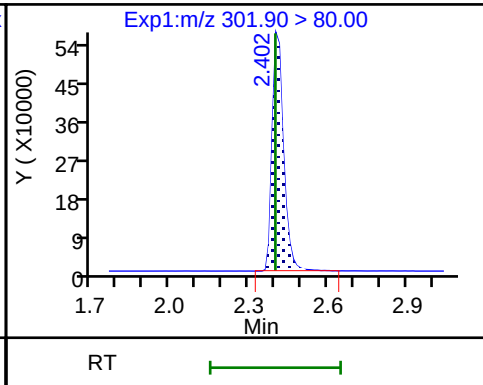
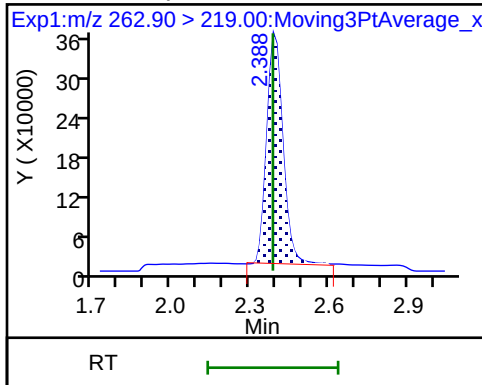
D 3 13C5 PFPeA



4 Perfluoropentanoic acid

D 47 13C3 PFBS

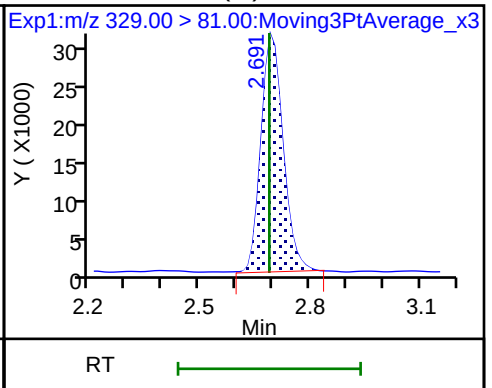
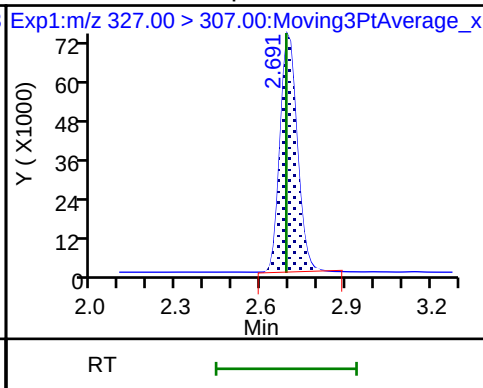
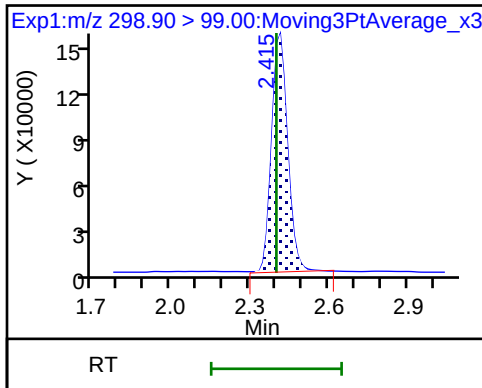
5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid

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

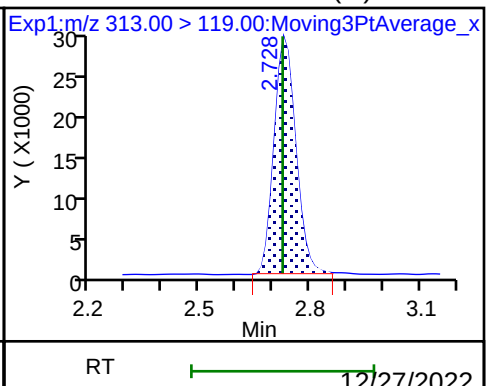
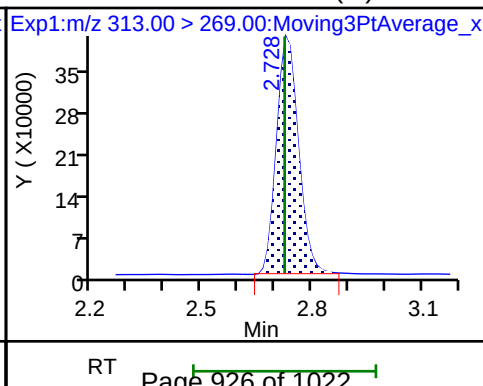
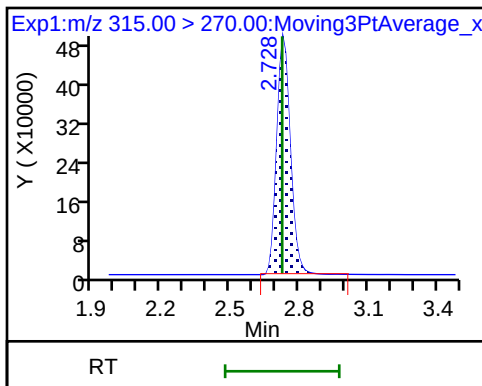
D 60 M2-4:2 FTS (M)

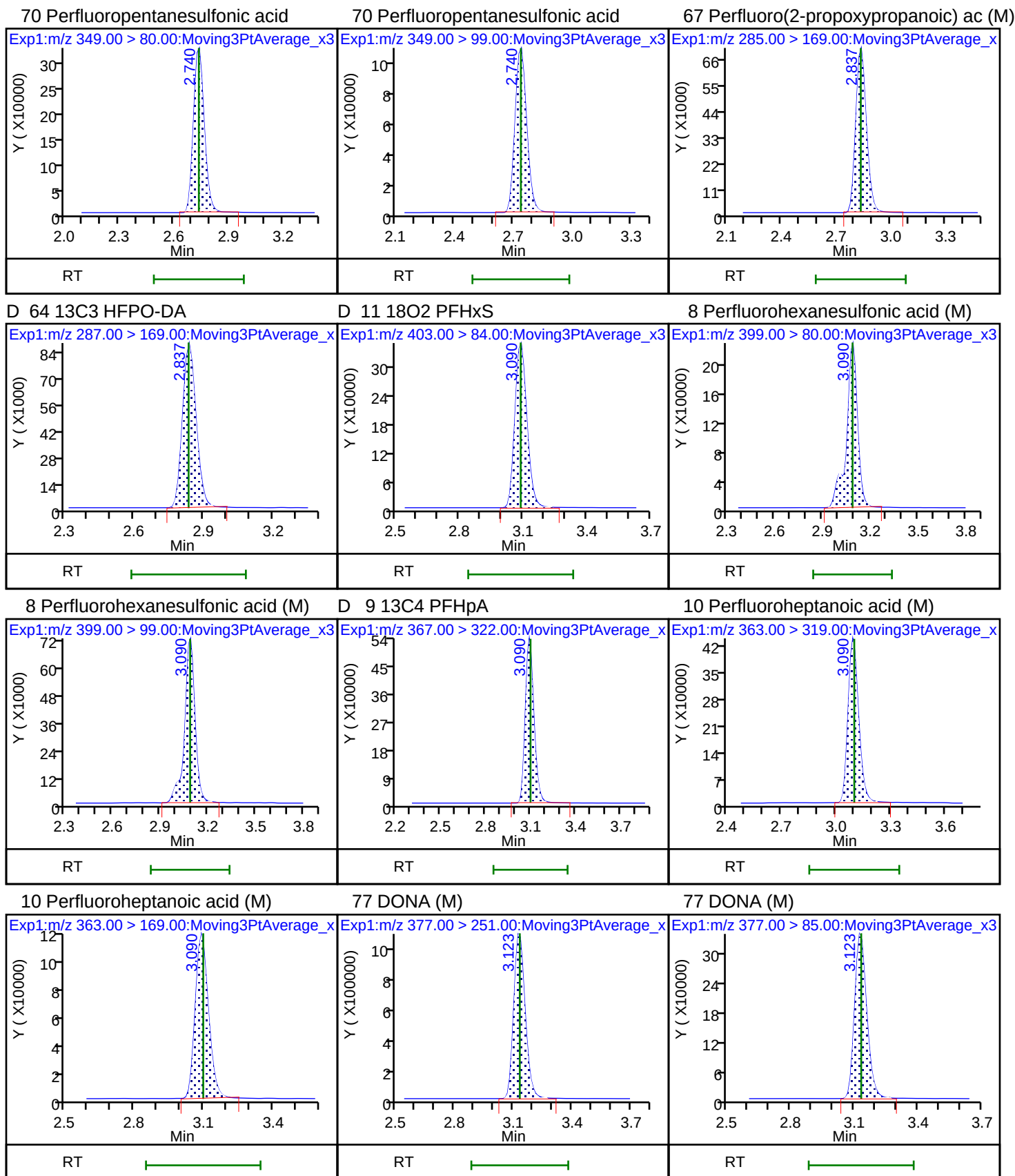


D 7 13C2 PFHxA

6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid (M)

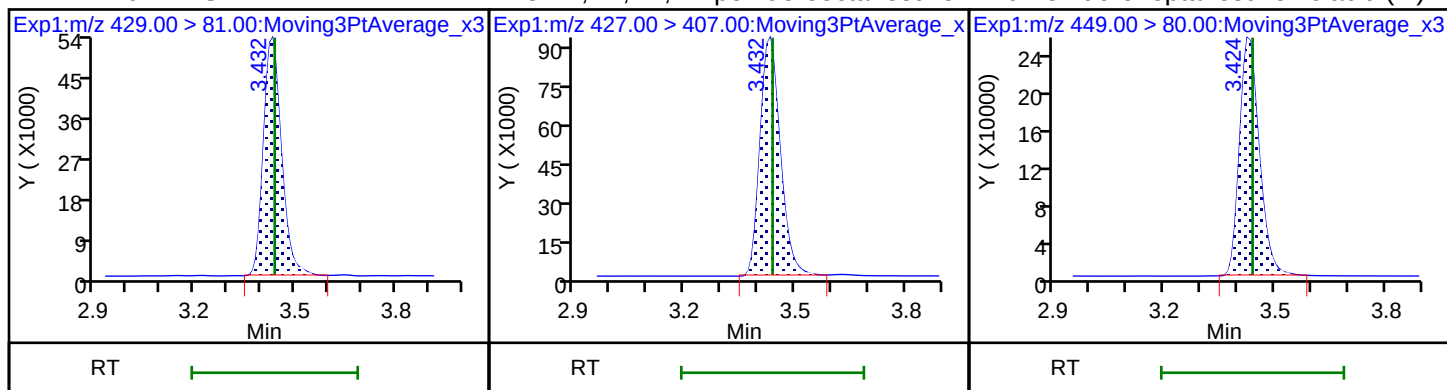




D 12 M2-6:2 FTS

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

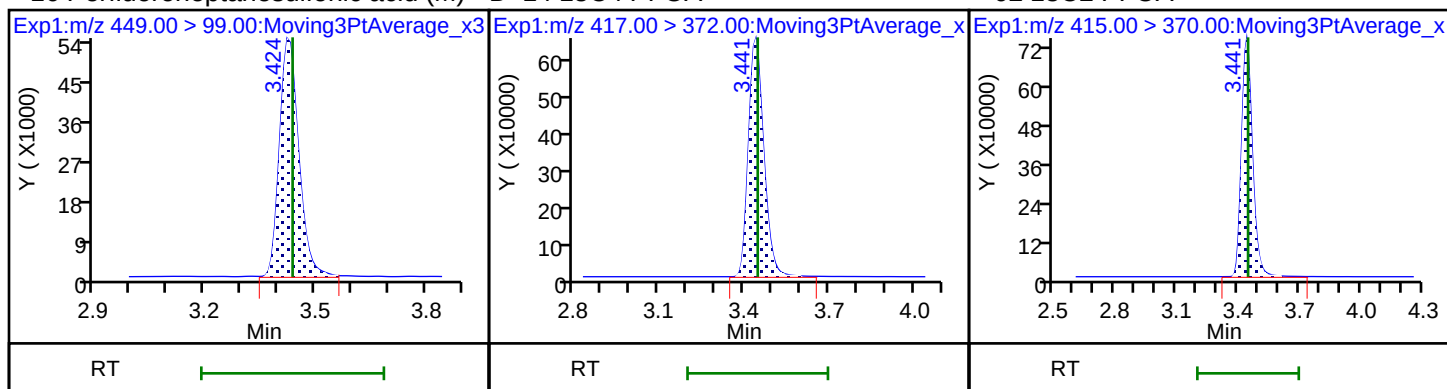
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

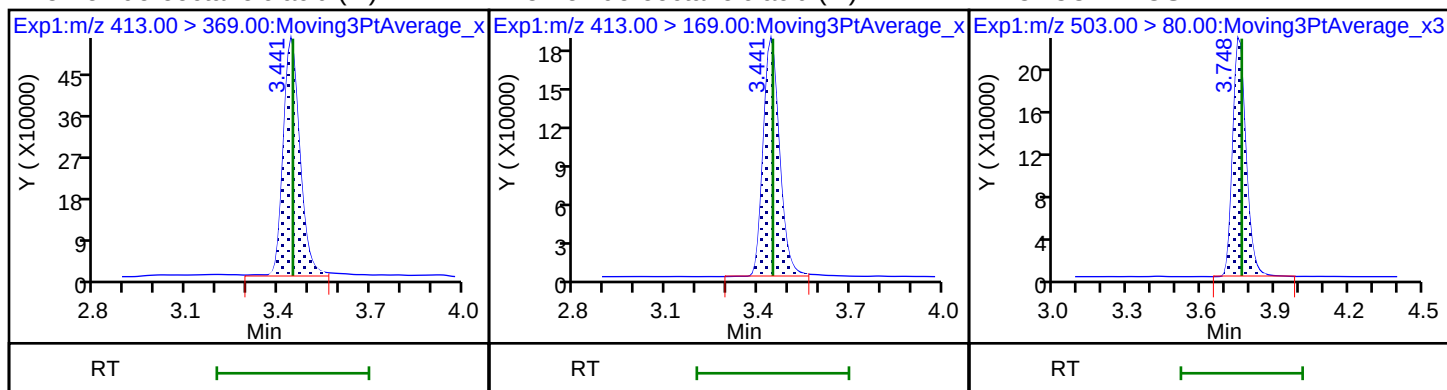
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

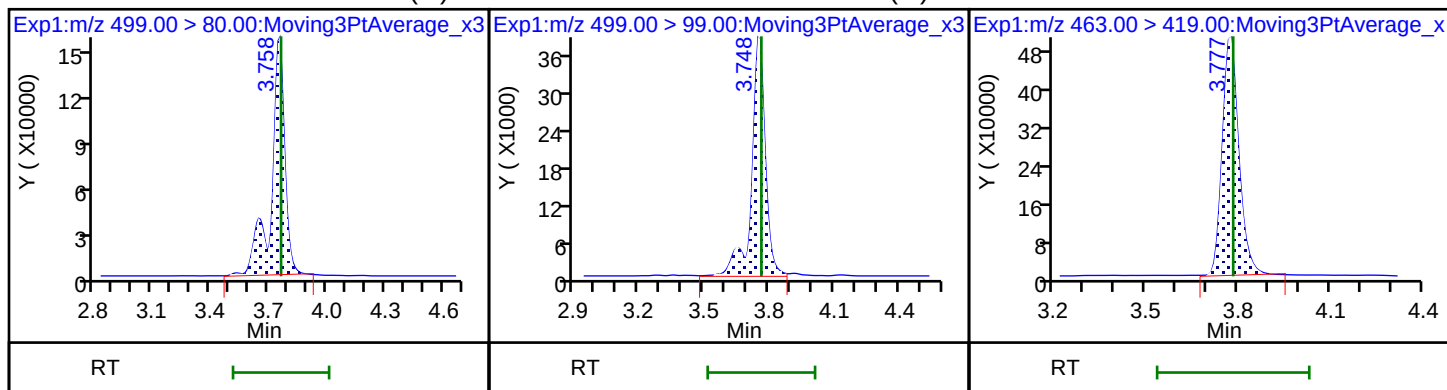
D 18 13C4 PFOS

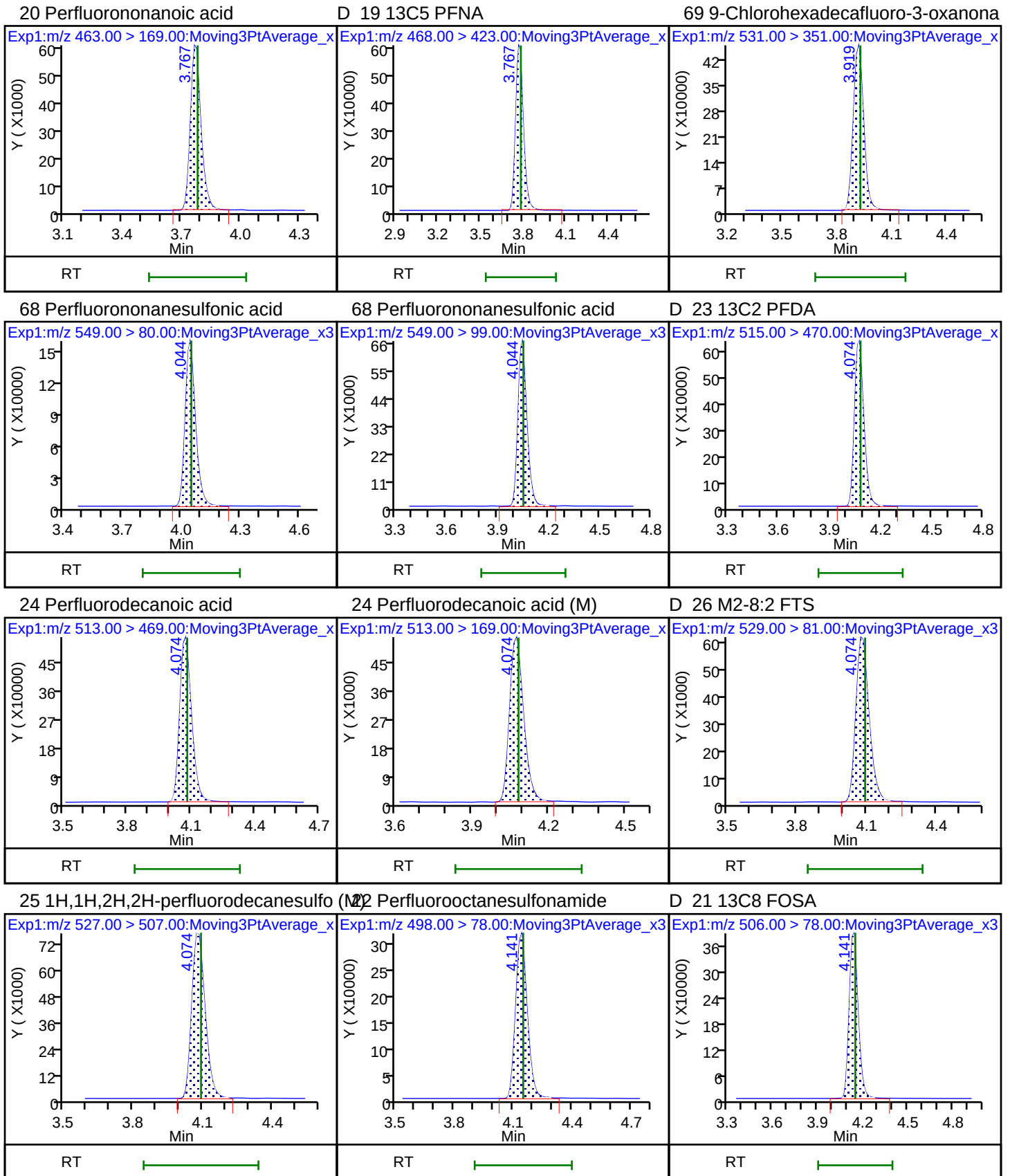


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid

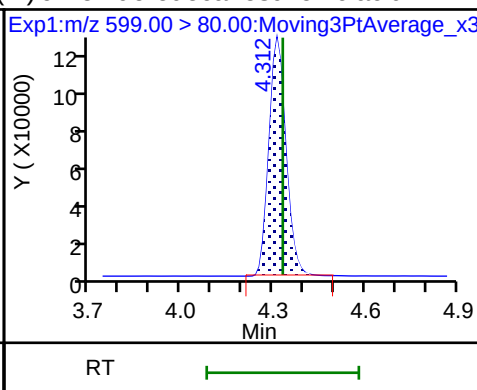
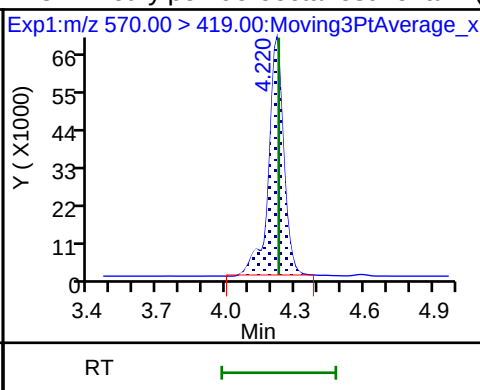
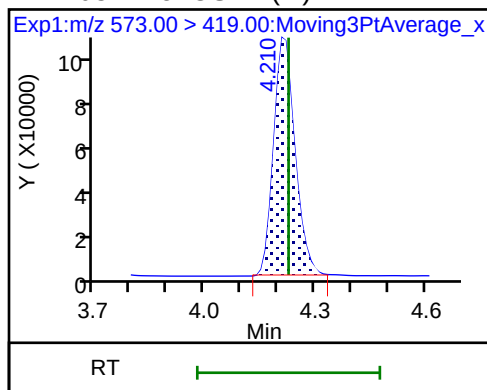




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

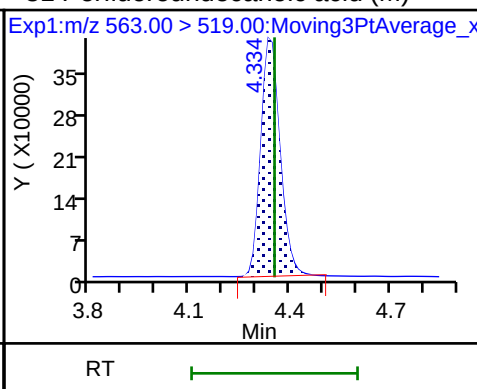
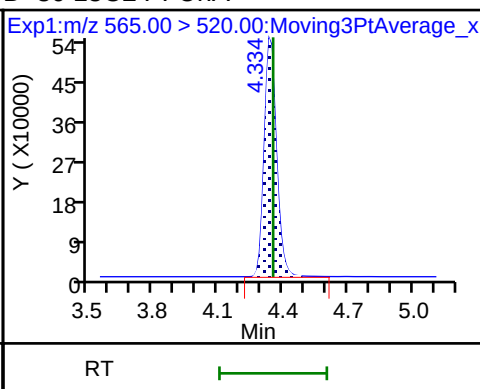
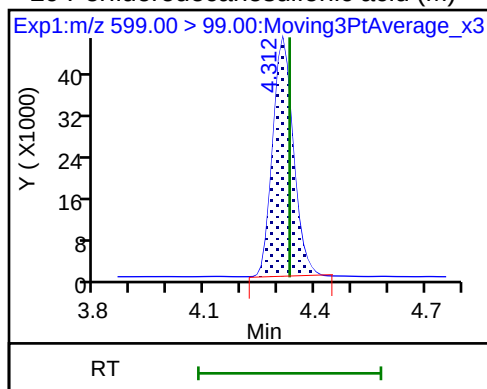
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUnA

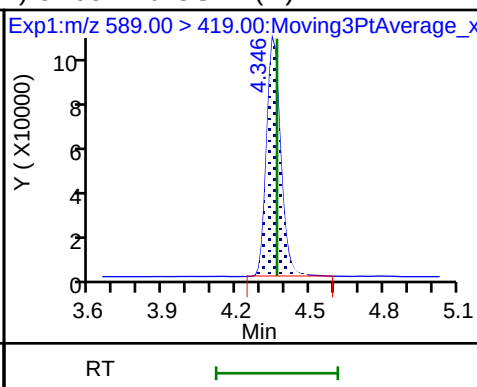
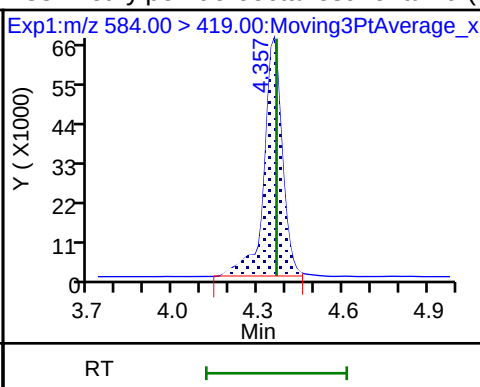
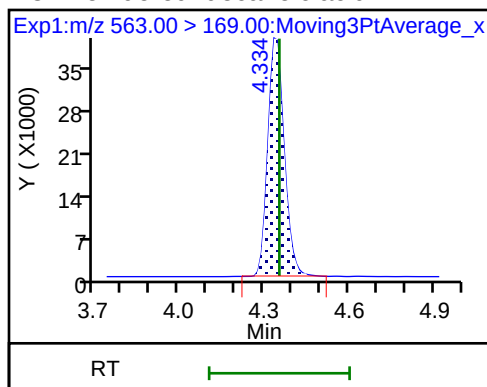
31 Perfluoroundecanoic acid (M)



31 Perfluoroundecanoic acid

33 N-ethylperfluorooctanesulfonamid (M)

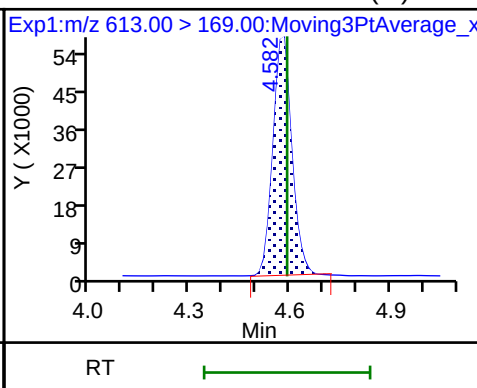
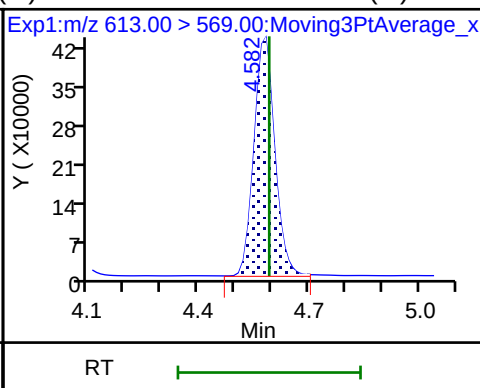
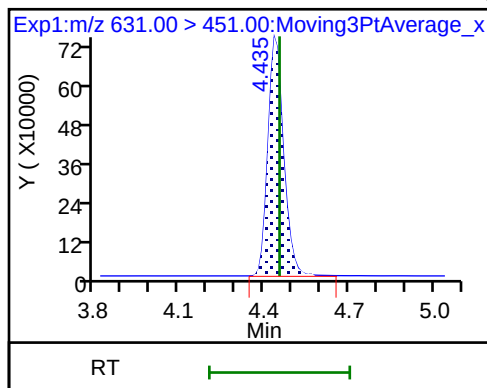
32 d5-NEtFOSAA (M)



66 11-Chloroeicosafluoro-3-oxaundec (M)

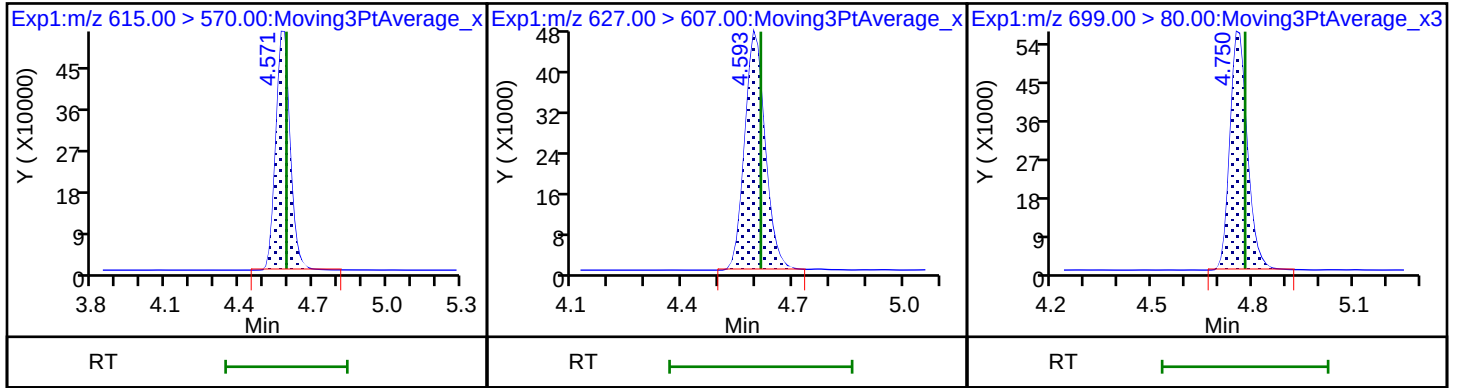
37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid (M)



D 36 13C2 PFDaA

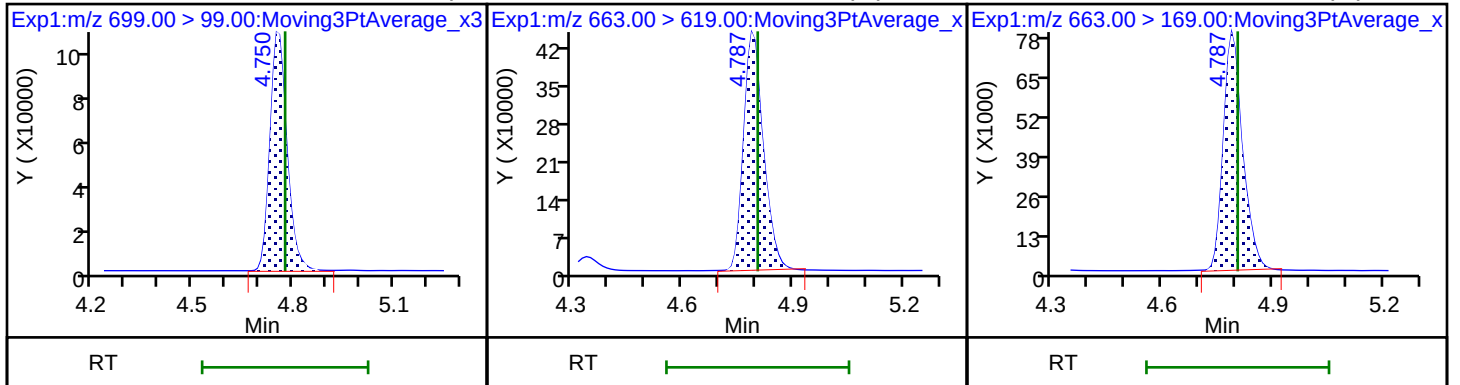
74 1H,1H,2H,2H-perfluorododecanesul (M) 75 Perfluorododecanesulfonic acid ((M)



75 Perfluorododecanesulfonic acid (

41 Perfluorotridecanoic acid (M)

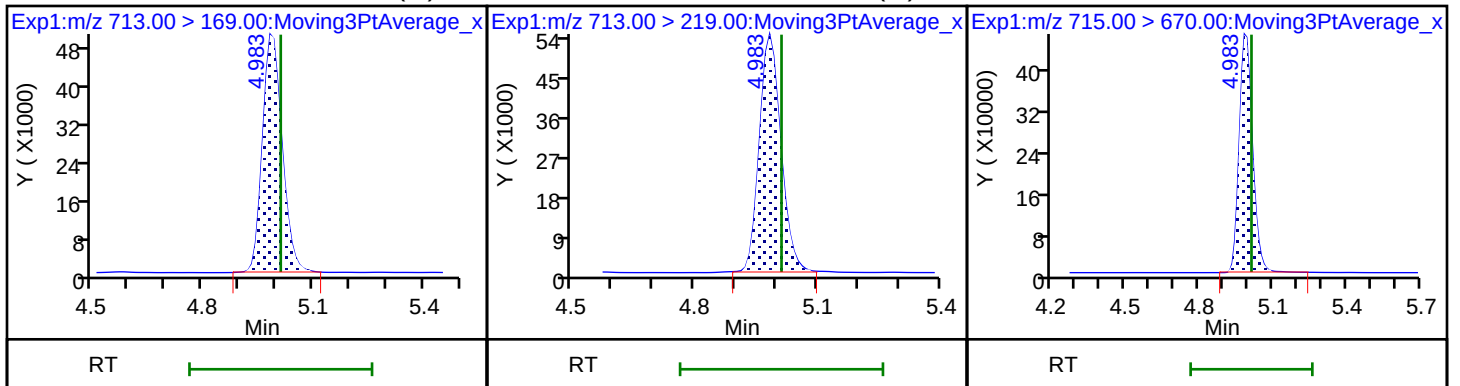
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

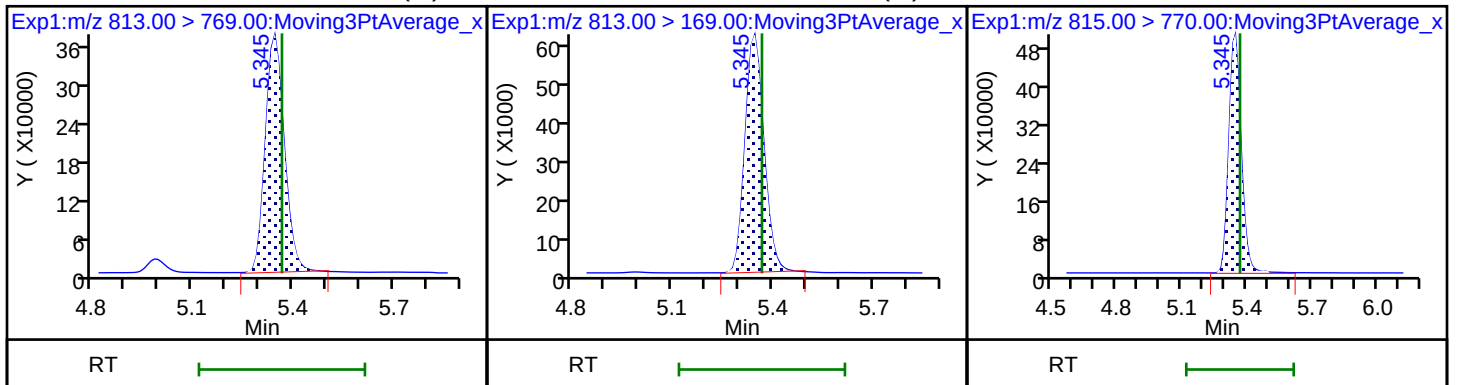
D 43 13C2 PFTeDA



45 Perfluorohexadecanoic acid (M)

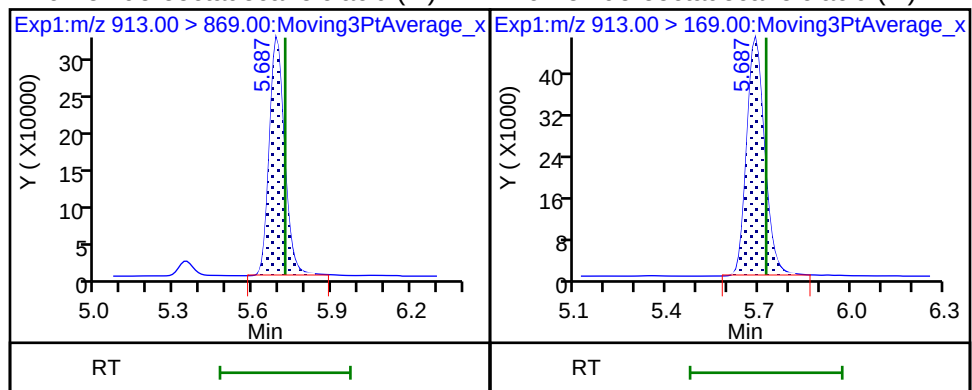
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B25.d

Injection Date: 19-Dec-2022 21:28:19

Instrument ID: LC812

Lims ID: 460-271307-A-4-B MS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

25

Worklist Smp#: 25

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

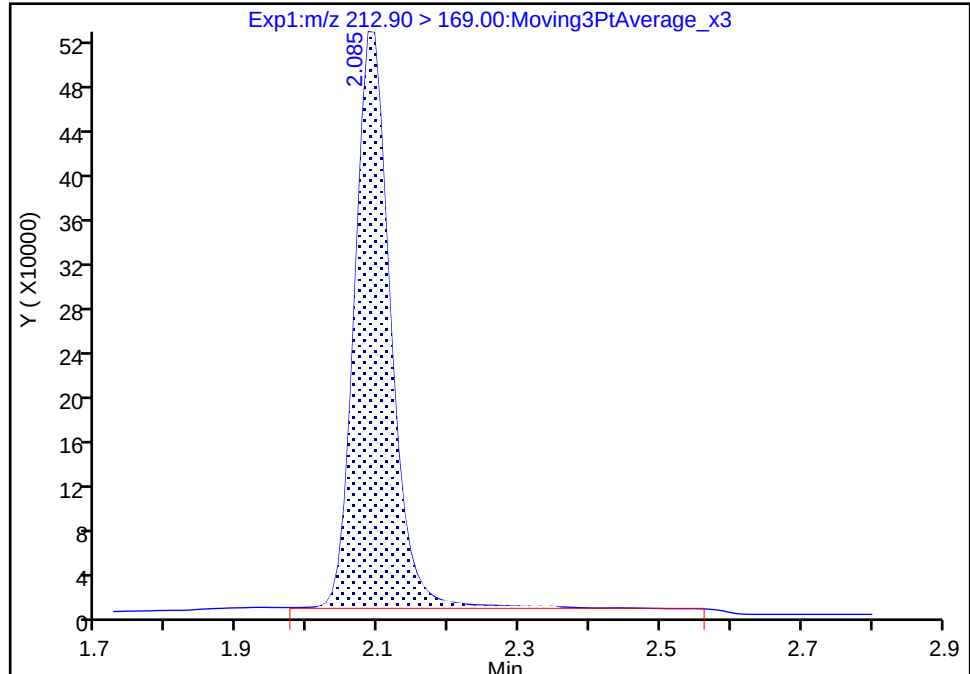
EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

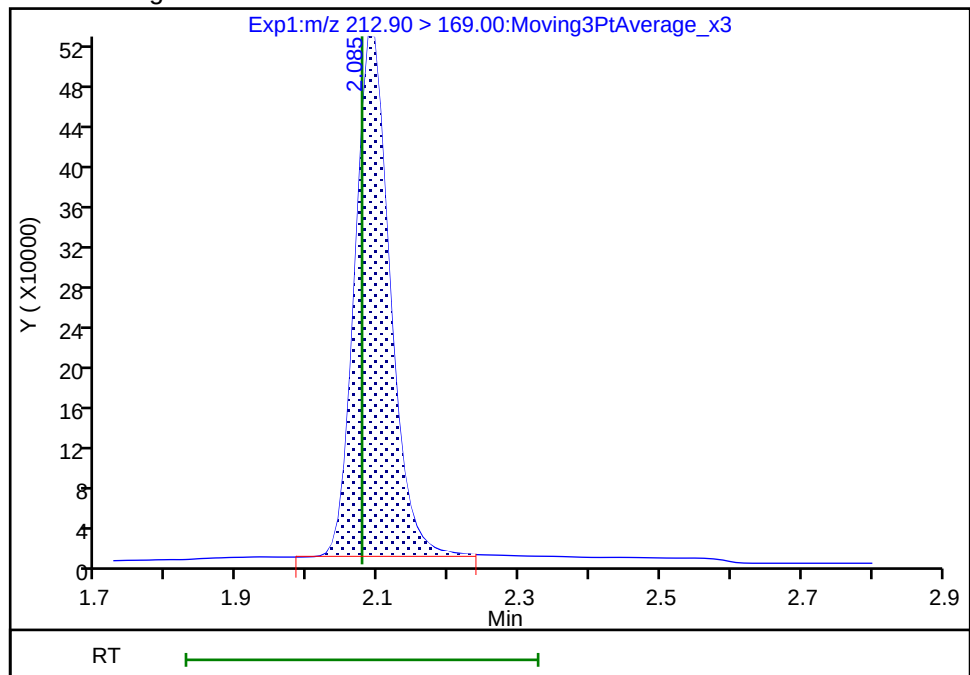
RT: 2.09
Area: 1844650
Amount: 0.951102
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 1814422
Amount: 0.935516
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:29:12

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

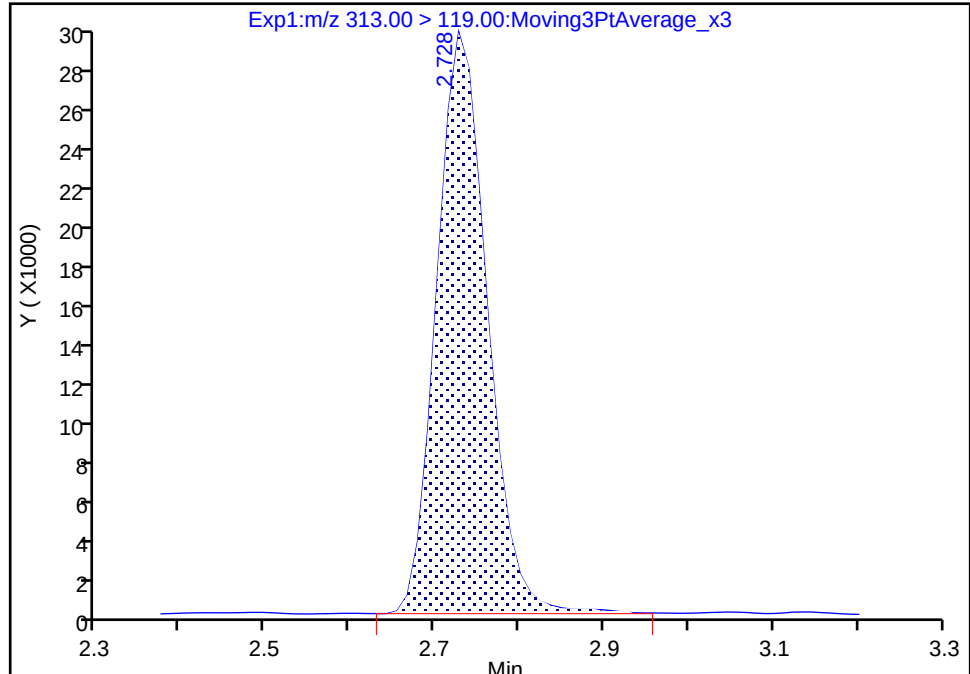
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B25.d
Injection Date: 19-Dec-2022 21:28:19 Instrument ID: LC812
Lims ID: 460-271307-A-4-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

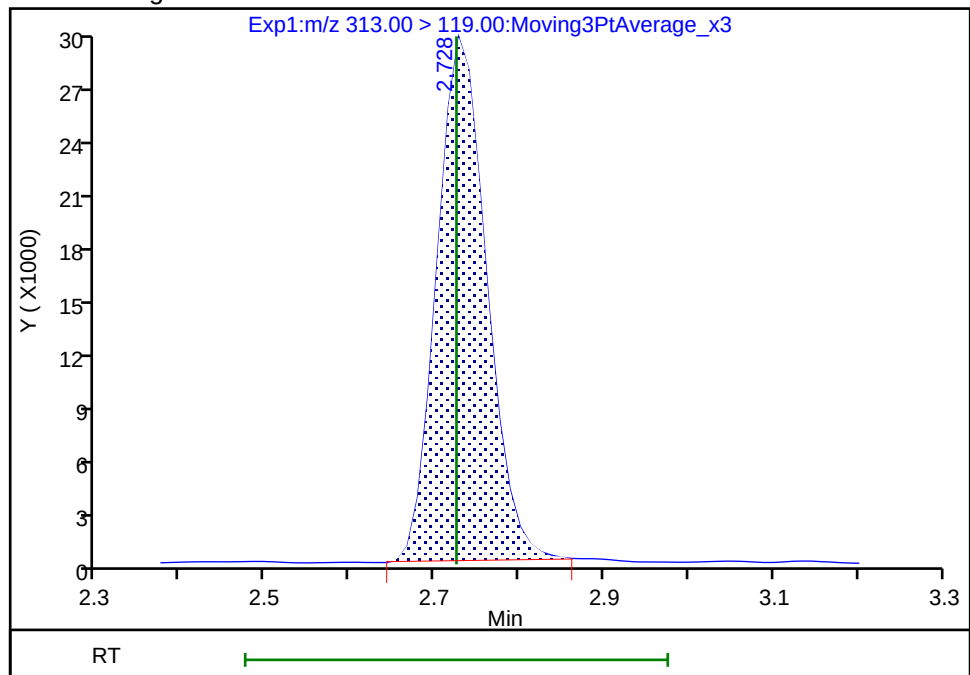
RT: 2.73
Area: 121202
Amount: 0.954342
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 119238
Amount: 0.944866
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:29:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B25.d

Injection Date: 19-Dec-2022 21:28:19

Instrument ID: LC812

Lims ID: 460-271307-A-4-B MS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

25

Worklist Smp#: 25

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

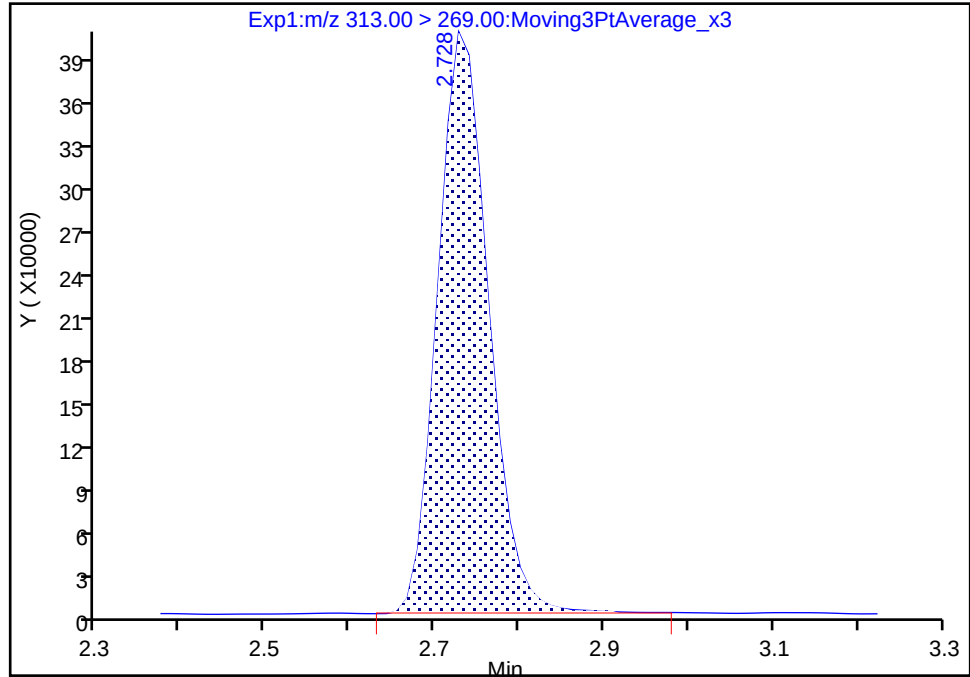
EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

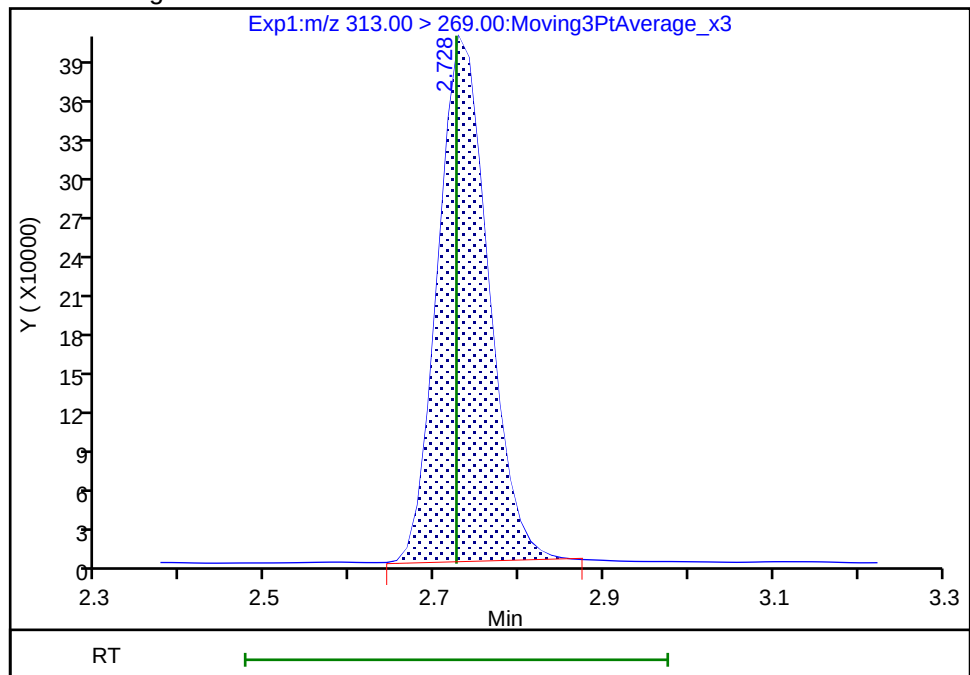
RT: 2.73
Area: 1699512
Amount: 0.954342
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 1682638
Amount: 0.944866
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:29:36

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

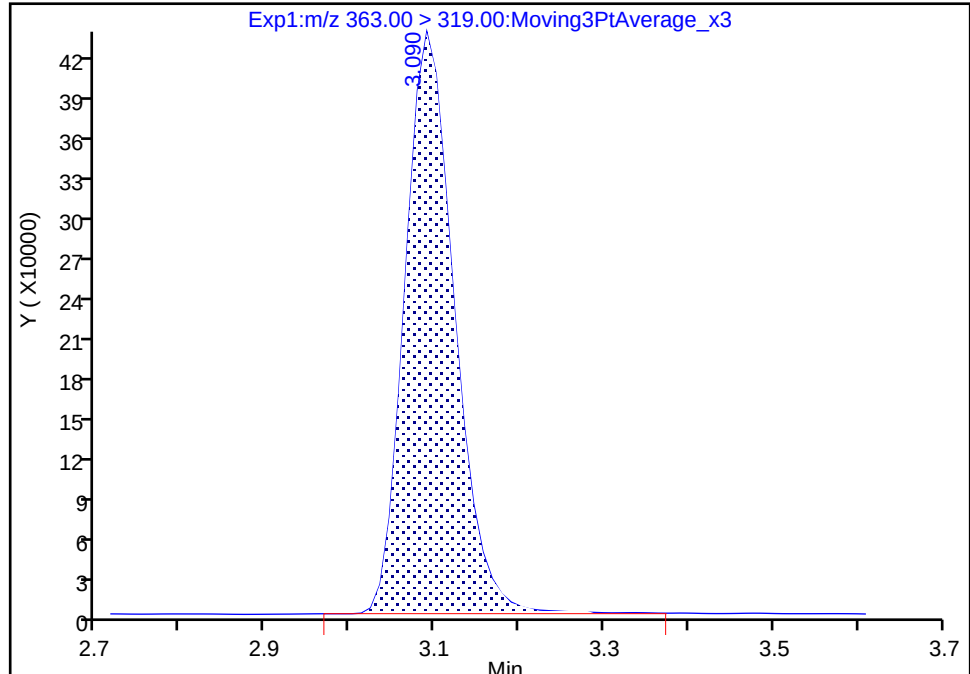
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B25.d
Injection Date: 19-Dec-2022 21:28:19 Instrument ID: LC812
Lims ID: 460-271307-A-4-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

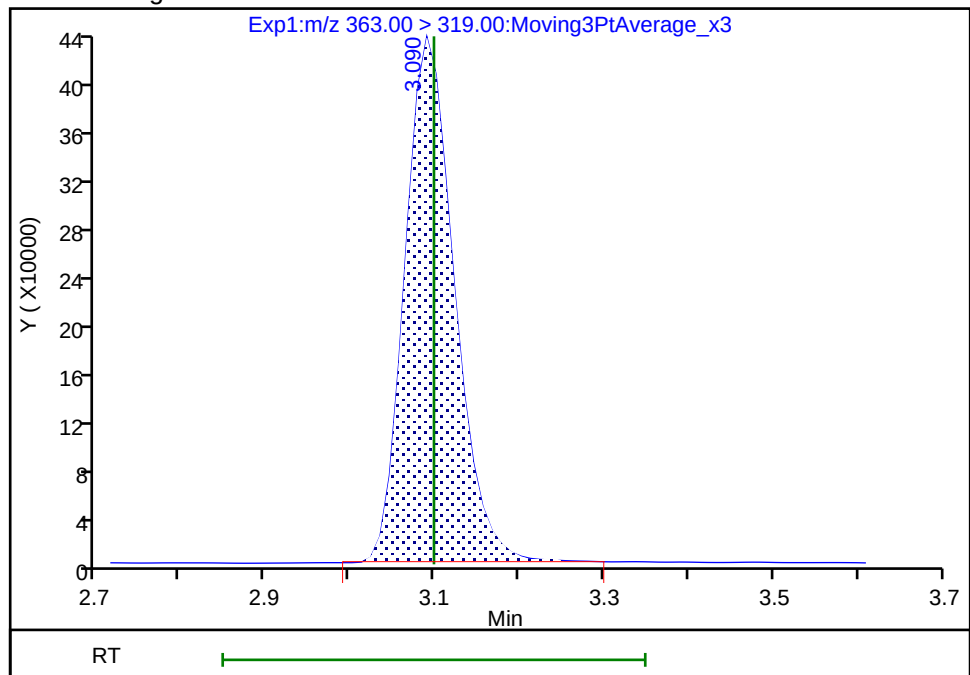
RT: 3.09
Area: 1771254
Amount: 0.942465
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 1765777
Amount: 0.939550
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:30:15

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B25.d

Injection Date: 19-Dec-2022 21:28:19

Instrument ID: LC812

Lims ID: 460-271307-A-4-B MS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

25

Worklist Smp#: 25

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

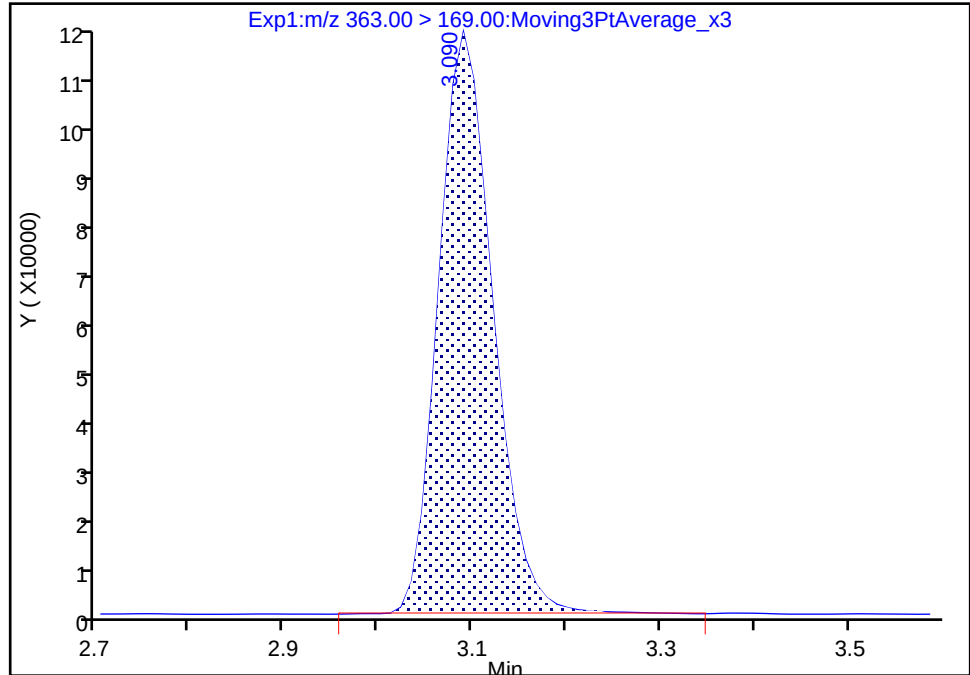
EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

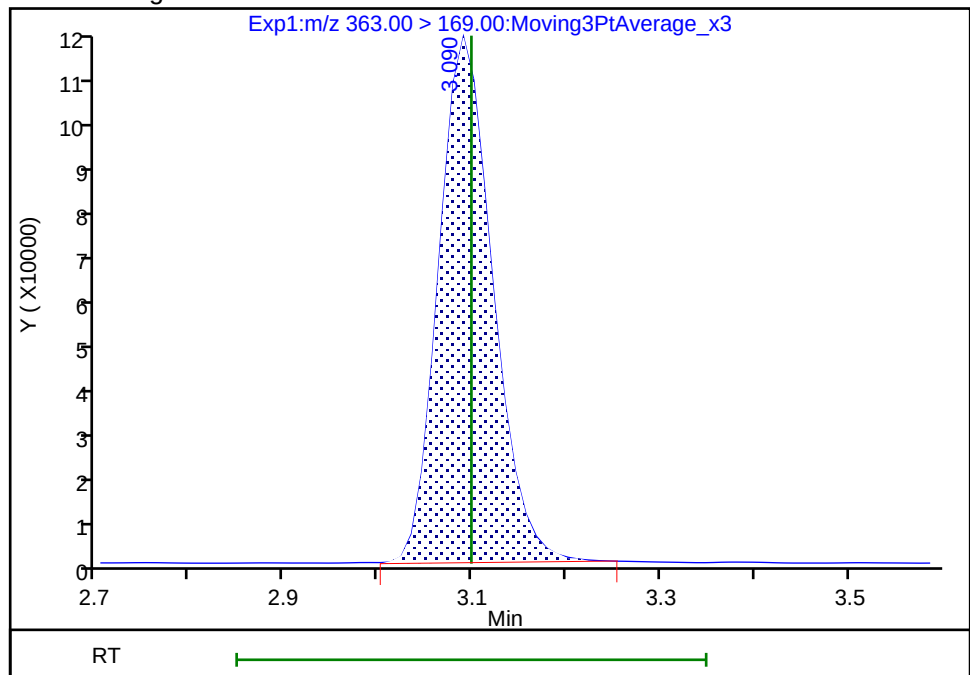
RT: 3.09
Area: 458575
Amount: 0.942465
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 454295
Amount: 0.939550
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:30:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

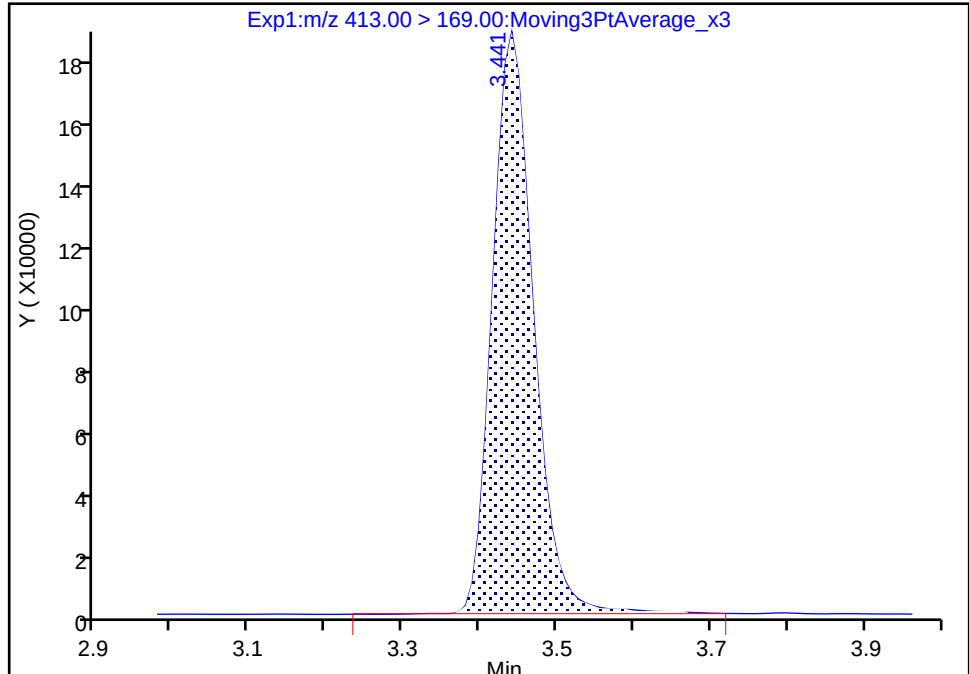
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B25.d
Injection Date: 19-Dec-2022 21:28:19 Instrument ID: LC812
Lims ID: 460-271307-A-4-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

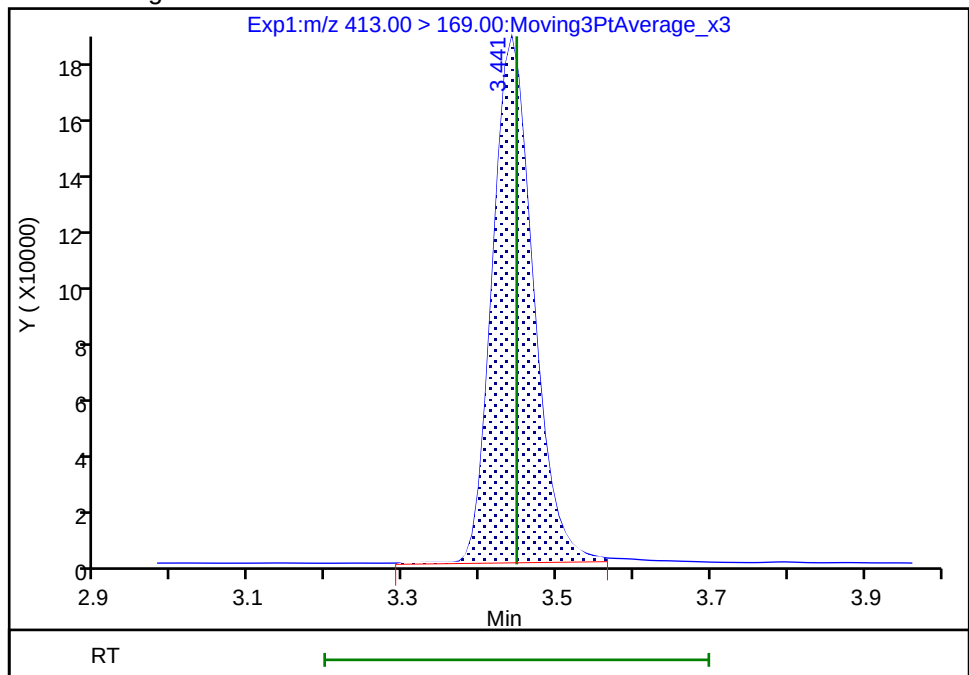
RT: 3.44
Area: 703012
Amount: 0.925169
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 691507
Amount: 0.927453
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:30:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

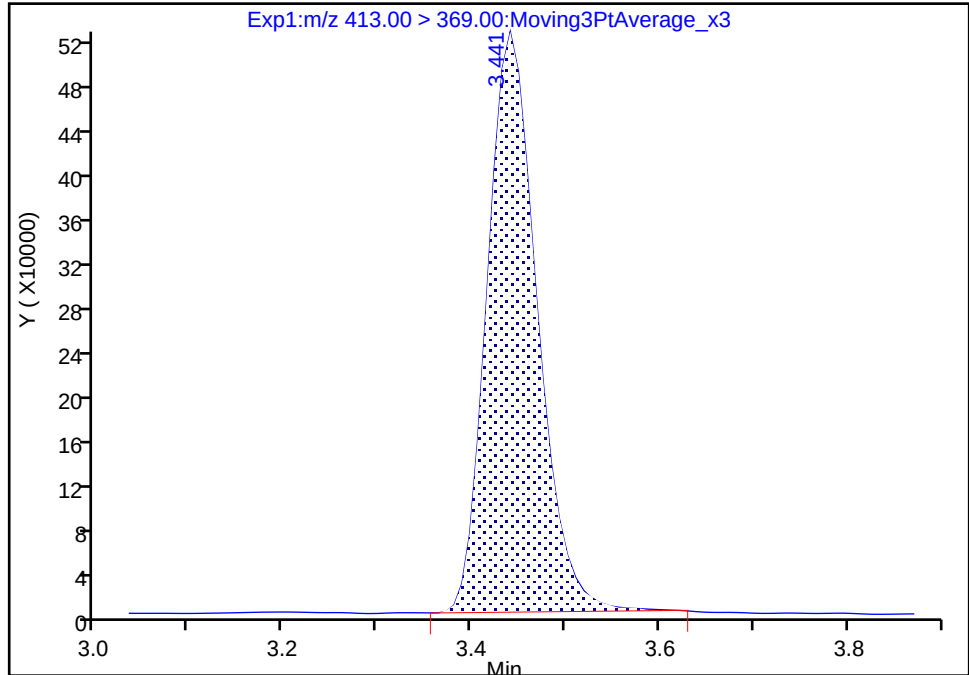
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B25.d
Injection Date: 19-Dec-2022 21:28:19 Instrument ID: LC812
Lims ID: 460-271307-A-4-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

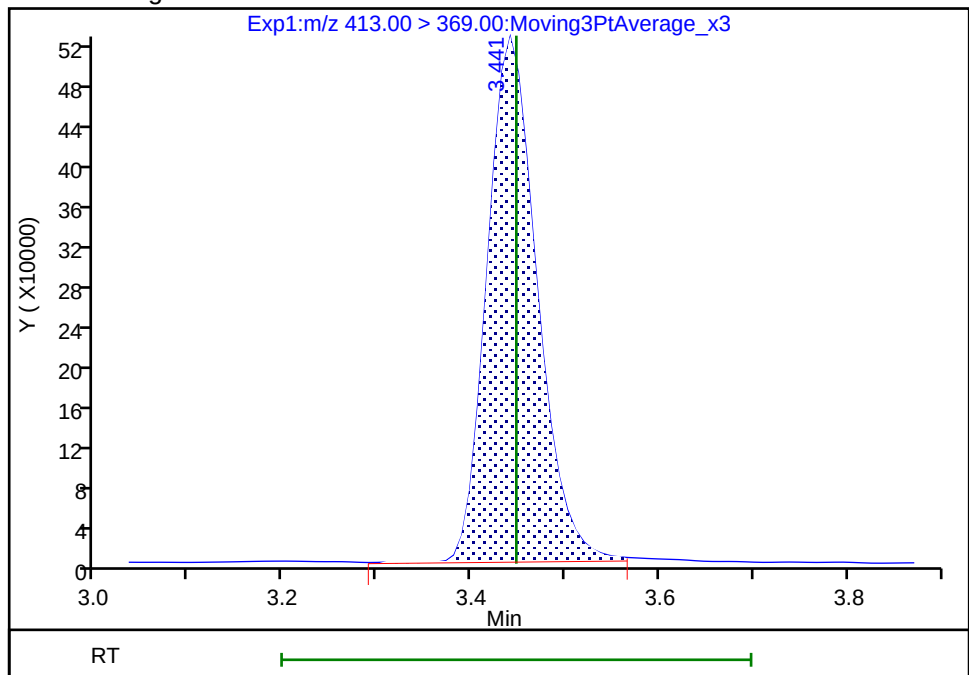
RT: 3.44
Area: 1940080
Amount: 0.925169
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 1944869
Amount: 0.927453
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:30:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B25.d

Injection Date: 19-Dec-2022 21:28:19

Instrument ID: LC812

Lims ID: 460-271307-A-4-B MS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

25

Worklist Smp#: 25

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

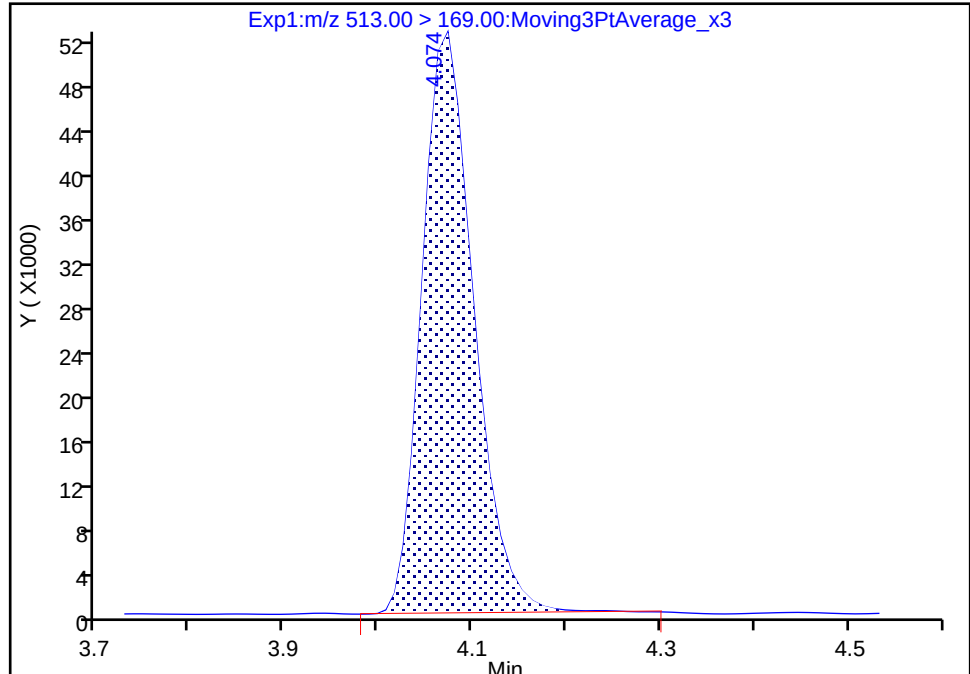
Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

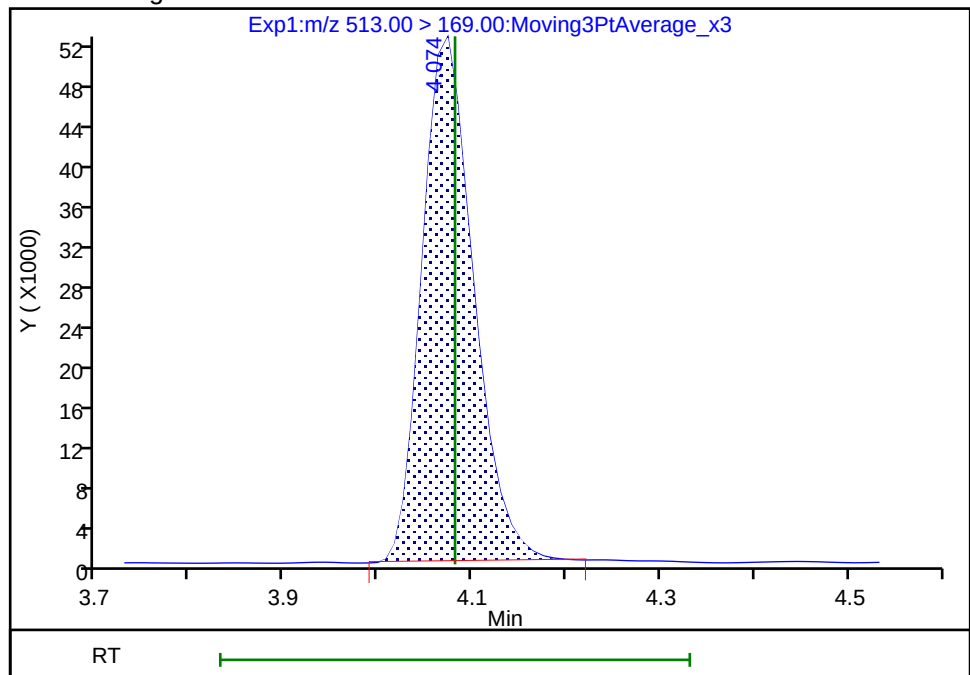
RT: 4.07
Area: 200674
Amount: 0.963894
Amount Units: ng/ml

Processing Integration Results



RT: 4.07
Area: 199204
Amount: 0.963894
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:31:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

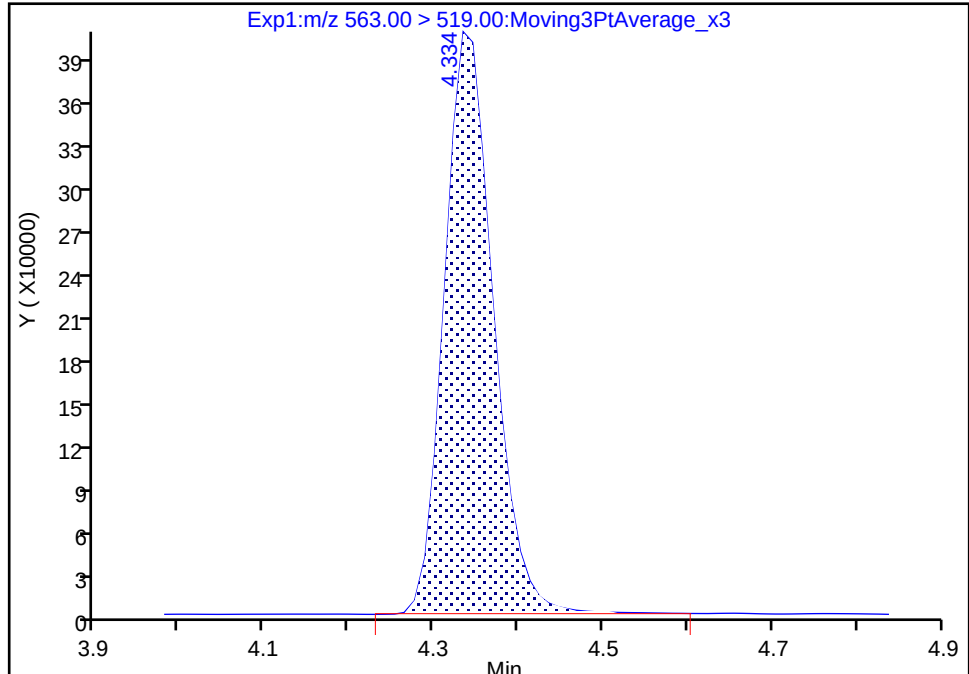
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B25.d
Injection Date: 19-Dec-2022 21:28:19 Instrument ID: LC812
Lims ID: 460-271307-A-4-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

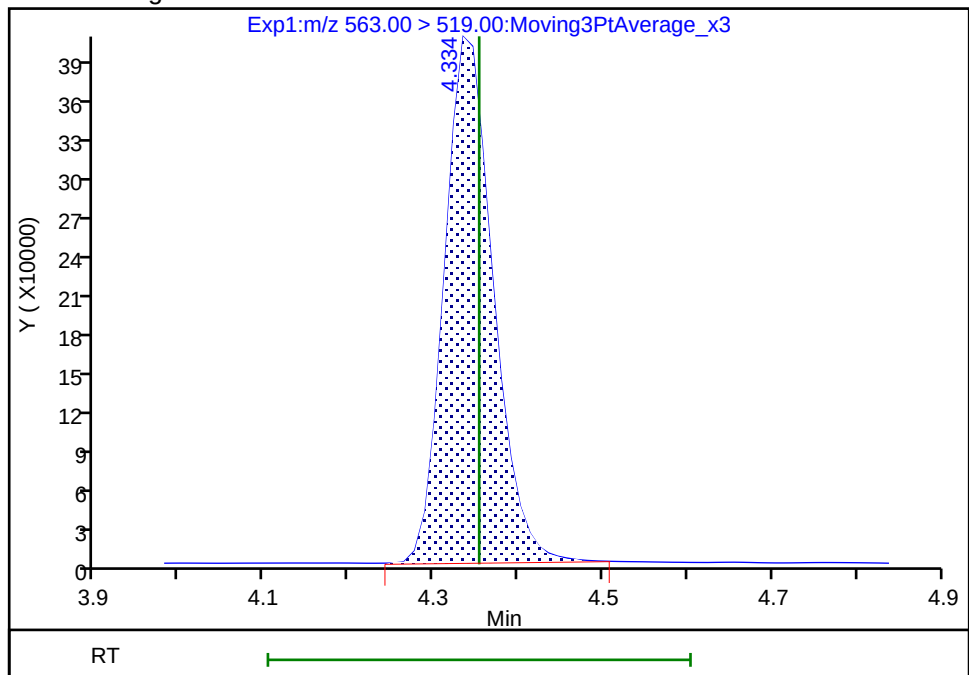
RT: 4.33
Area: 1613179
Amount: 0.932598
Amount Units: ng/ml

Processing Integration Results



RT: 4.33
Area: 1601901
Amount: 0.926078
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:31:56

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

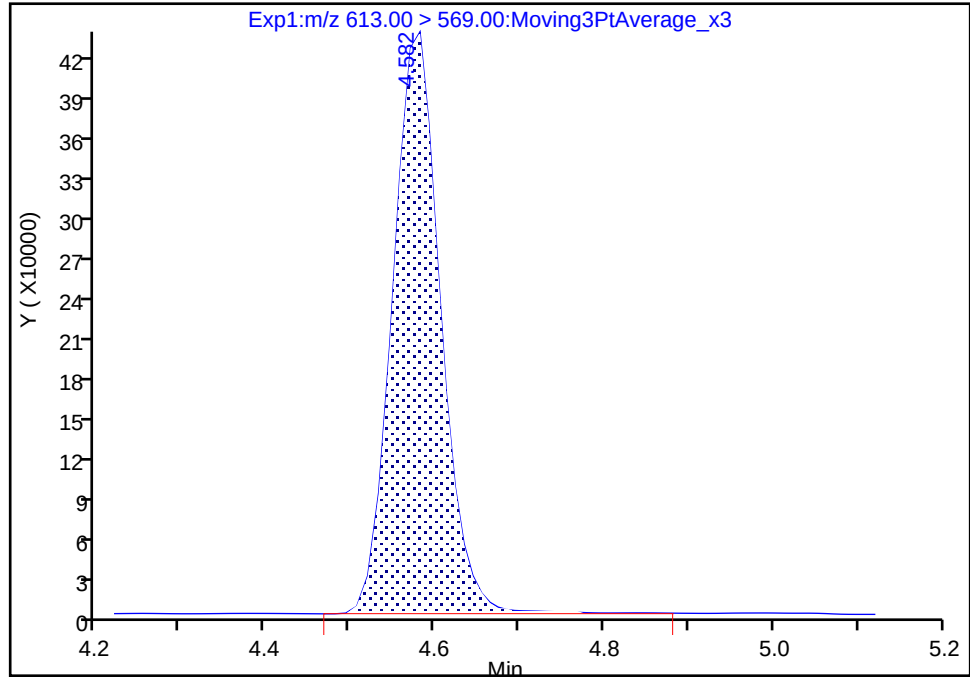
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B25.d
Injection Date: 19-Dec-2022 21:28:19 Instrument ID: LC812
Lims ID: 460-271307-A-4-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

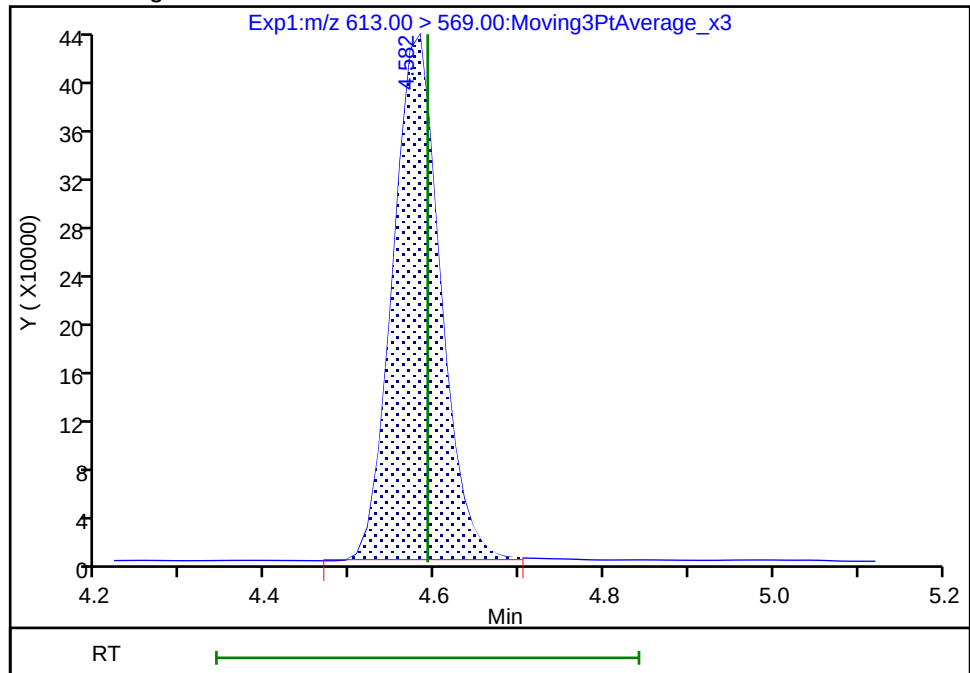
RT: 4.58
Area: 1720008
Amount: 0.968883
Amount Units: ng/ml

Processing Integration Results



RT: 4.58
Area: 1711616
Amount: 0.964156
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:32:16

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B25.d

Injection Date: 19-Dec-2022 21:28:19

Instrument ID: LC812

Lims ID: 460-271307-A-4-B MS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

25

Worklist Smp#: 25

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

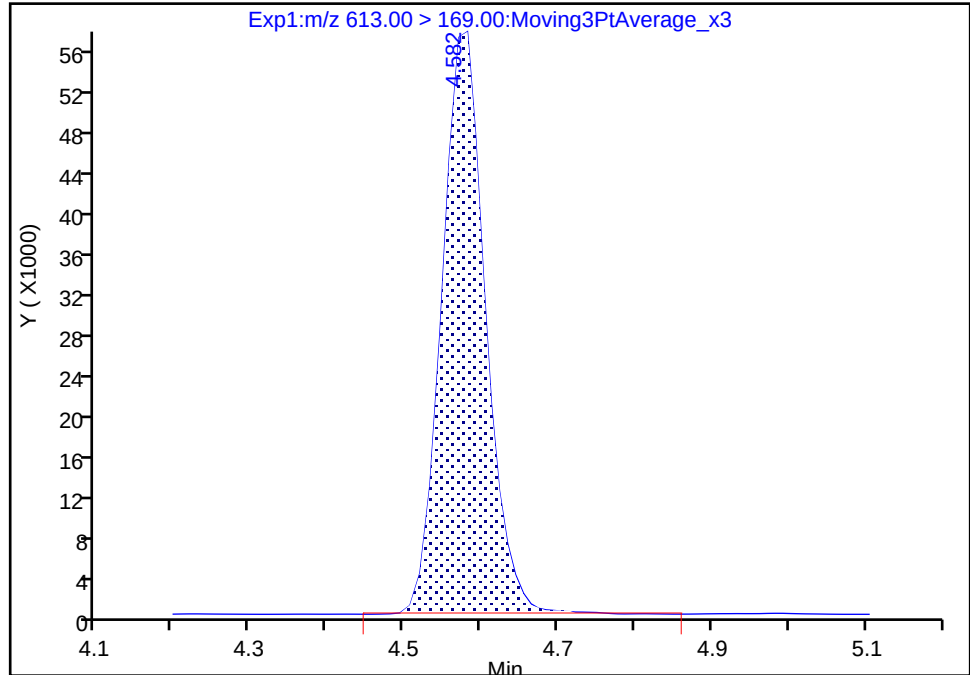
EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

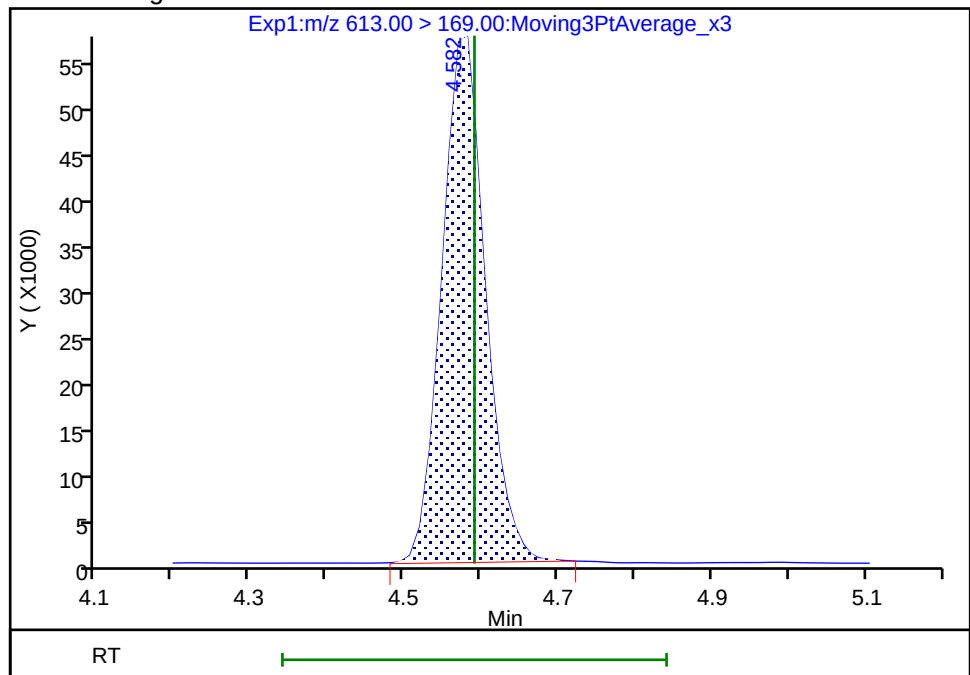
RT: 4.58
Area: 229073
Amount: 0.968883
Amount Units: ng/ml

Processing Integration Results



RT: 4.58
Area: 226641
Amount: 0.964156
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:32:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

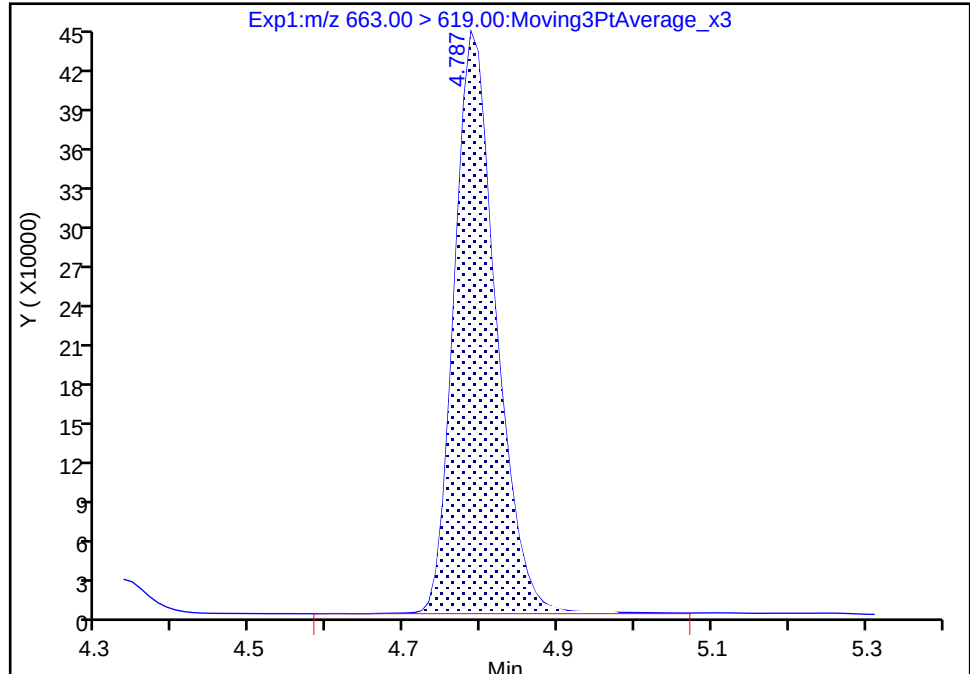
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B25.d
Injection Date: 19-Dec-2022 21:28:19 Instrument ID: LC812
Lims ID: 460-271307-A-4-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

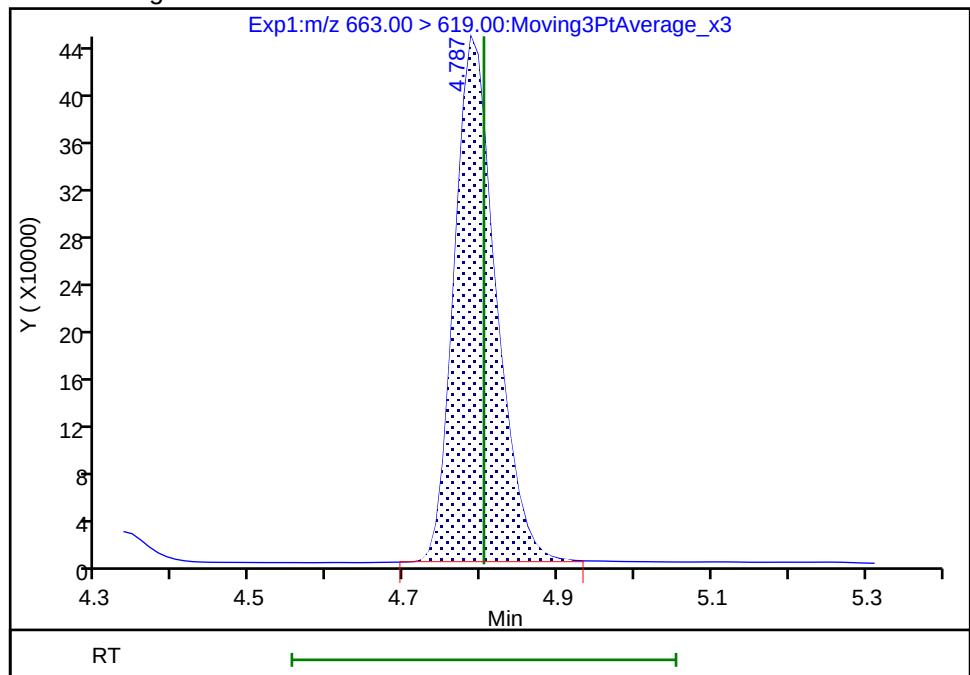
RT: 4.79
Area: 1674241
Amount: 0.986136
Amount Units: ng/ml

Processing Integration Results



RT: 4.79
Area: 1657645
Amount: 0.976361
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:32:35

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B25.d

Injection Date: 19-Dec-2022 21:28:19

Instrument ID: LC812

Lims ID: 460-271307-A-4-B MS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

25

Worklist Smp#: 25

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

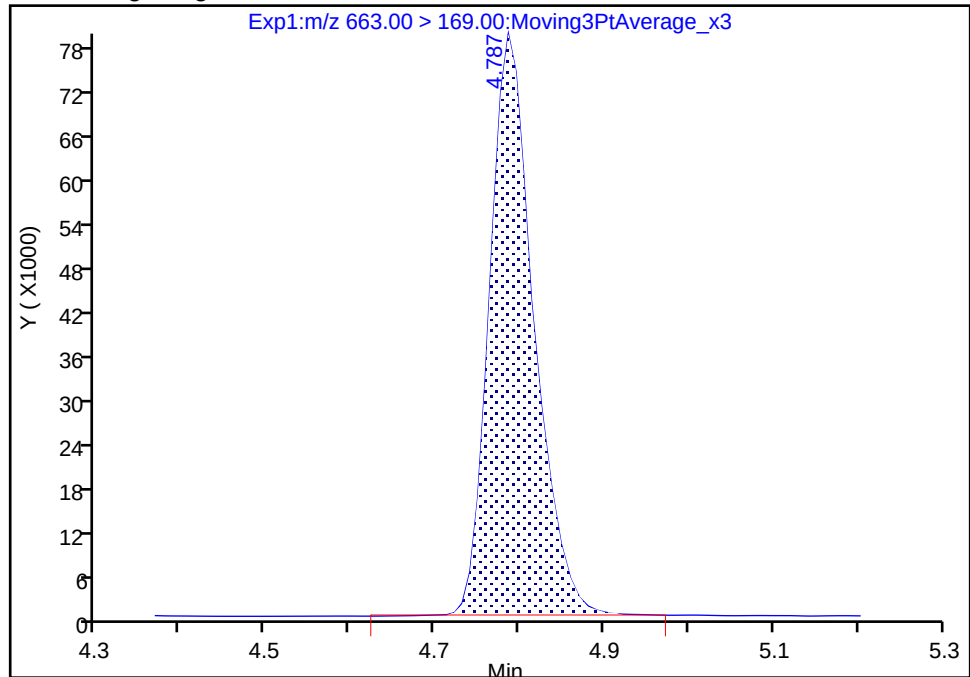
EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

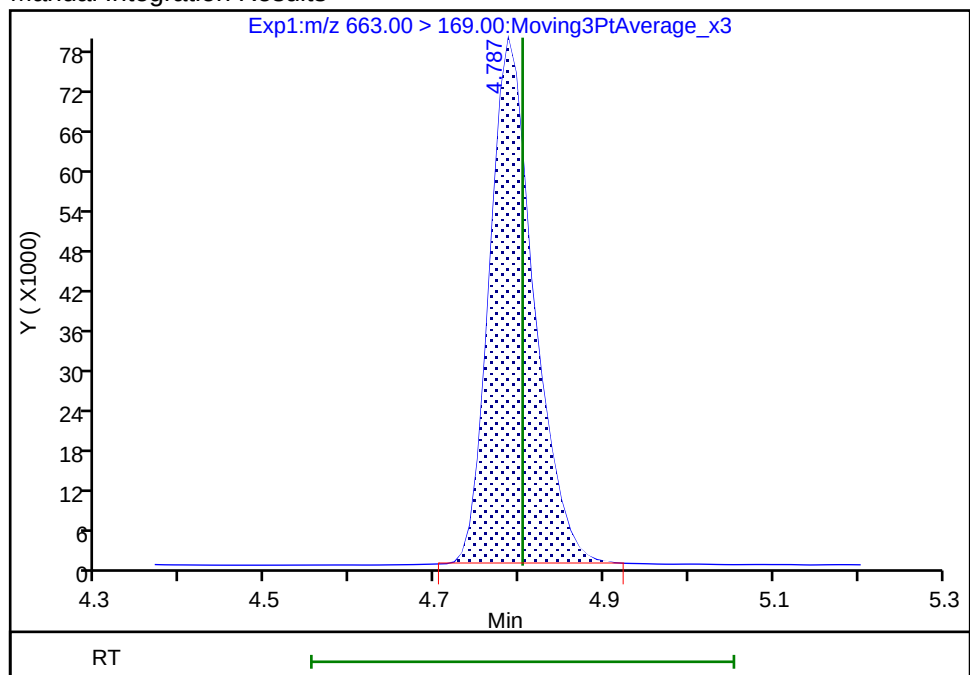
RT: 4.79
Area: 290583
Amount: 0.986136
Amount Units: ng/ml

Processing Integration Results



RT: 4.79
Area: 287603
Amount: 0.976361
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:32:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B25.d

Injection Date: 19-Dec-2022 21:28:19

Instrument ID: LC812

Lims ID: 460-271307-A-4-B MS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

25

Worklist Smp#: 25

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

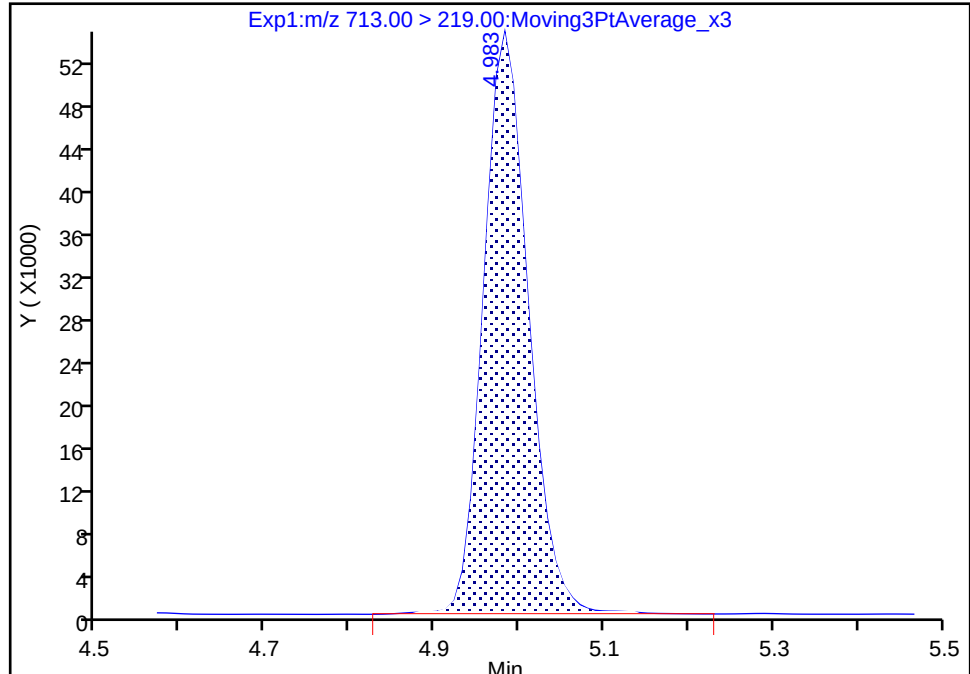
EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

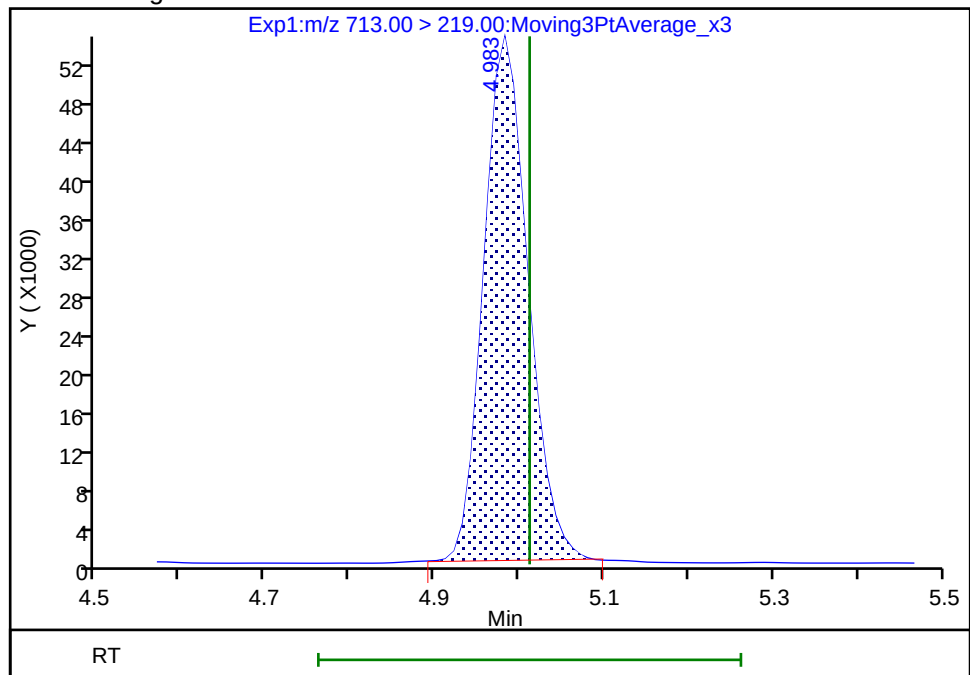
RT: 4.98
Area: 200916
Amount: 0.976412
Amount Units: ng/ml

Processing Integration Results



RT: 4.98
Area: 196216
Amount: 0.973186
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:32:48

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

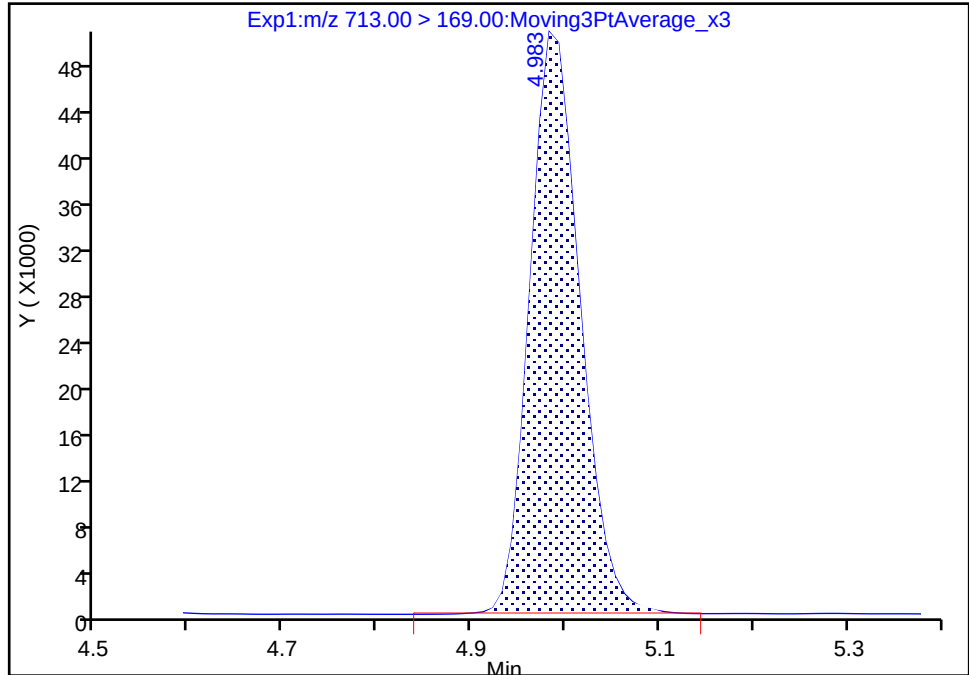
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B25.d
Injection Date: 19-Dec-2022 21:28:19 Instrument ID: LC812
Lims ID: 460-271307-A-4-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

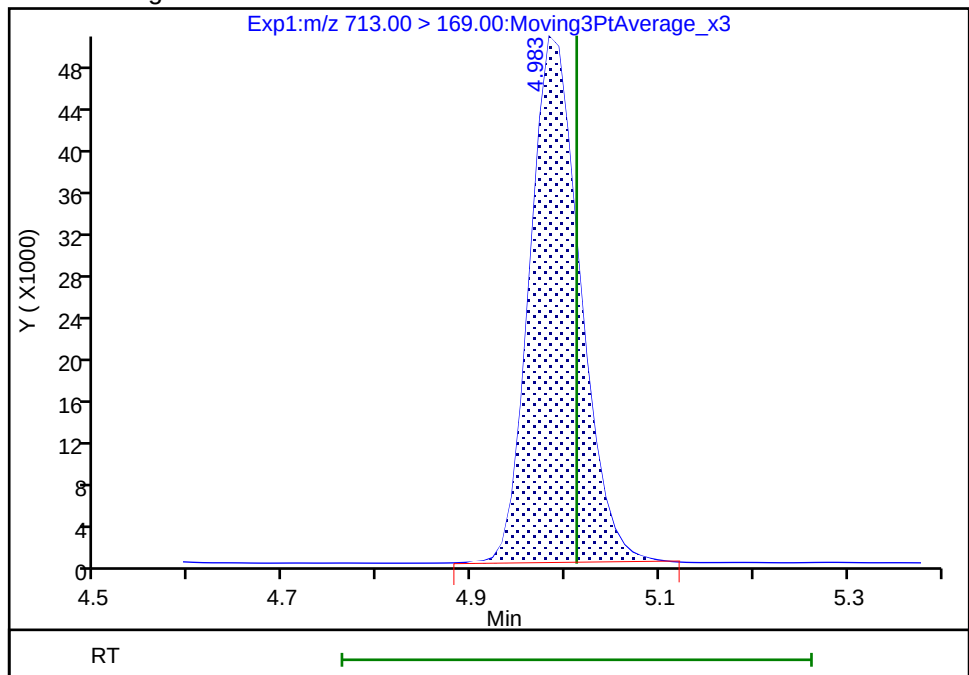
RT: 4.98
Area: 187656
Amount: 0.976412
Amount Units: ng/ml

Processing Integration Results



RT: 4.98
Area: 187036
Amount: 0.973186
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:32:52

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

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12/27/2022
2:52 PM

Eurofins Burlington

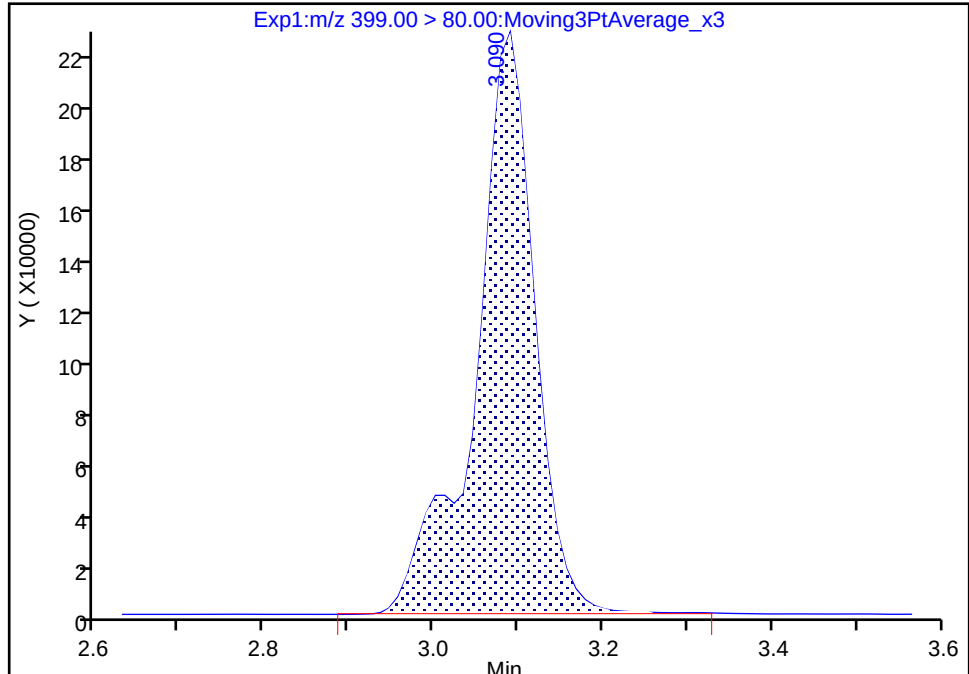
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B25.d
Injection Date: 19-Dec-2022 21:28:19 Instrument ID: LC812
Lims ID: 460-271307-A-4-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

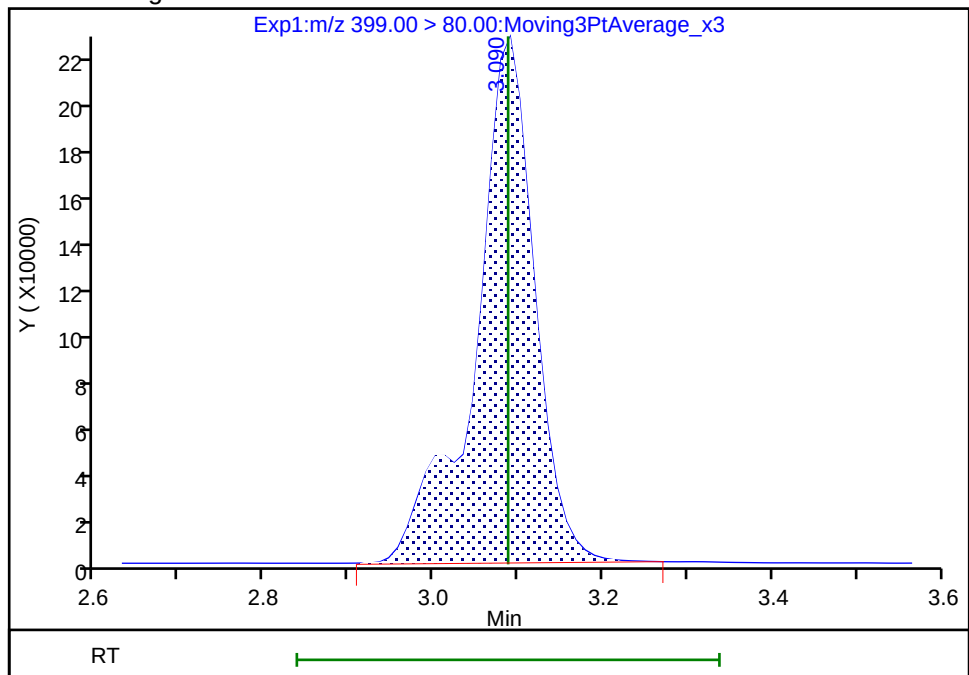
RT: 3.09
Area: 1083897
Amount: 0.843201
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 1081266
Amount: 0.841154
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:30:04

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B25.d

Injection Date: 19-Dec-2022 21:28:19

Instrument ID: LC812

Lims ID: 460-271307-A-4-B MS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

25

Worklist Smp#: 25

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

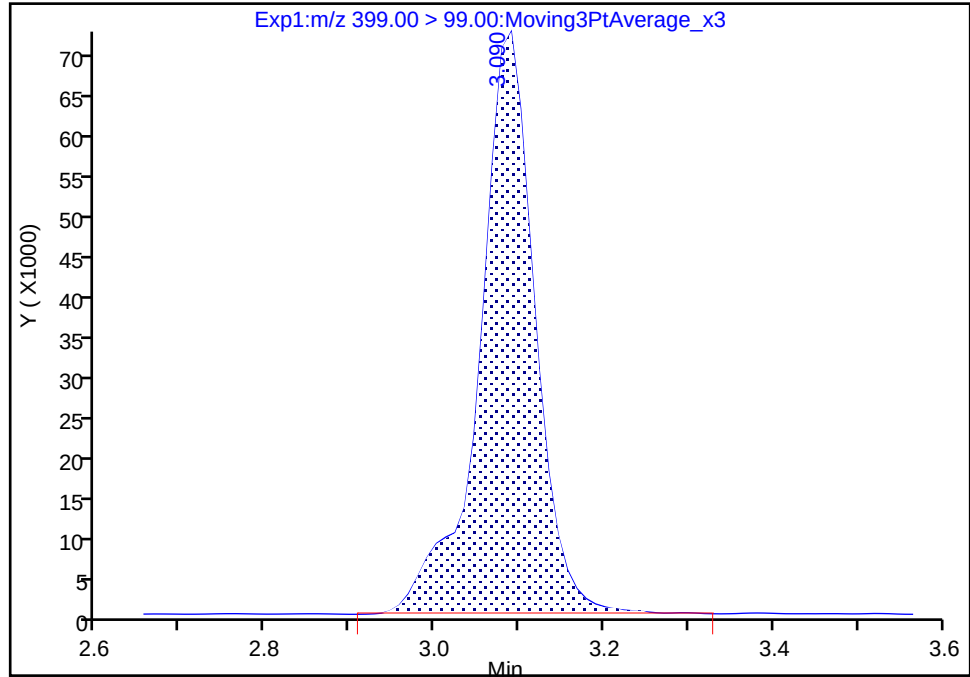
EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

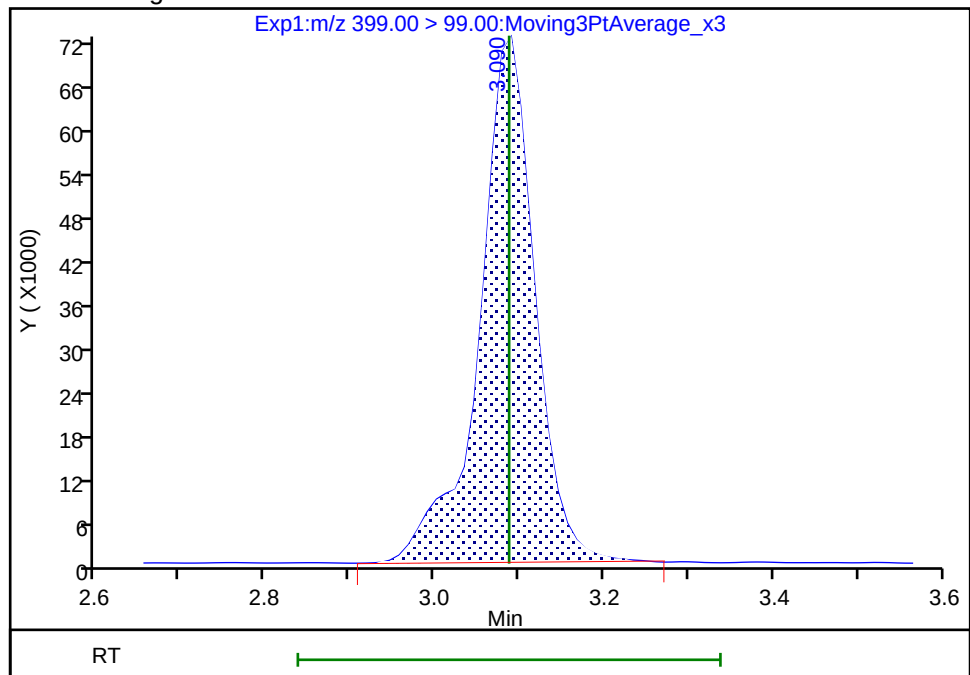
RT: 3.09
Area: 330550
Amount: 0.843201
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 329314
Amount: 0.841154
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:30:07

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

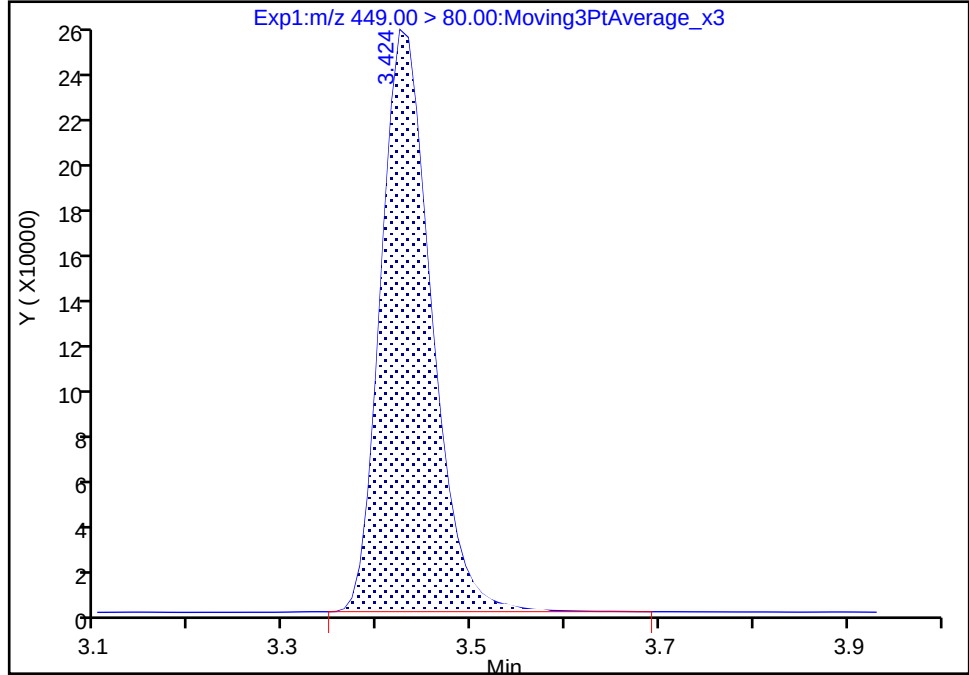
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B25.d
Injection Date: 19-Dec-2022 21:28:19 Instrument ID: LC812
Lims ID: 460-271307-A-4-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

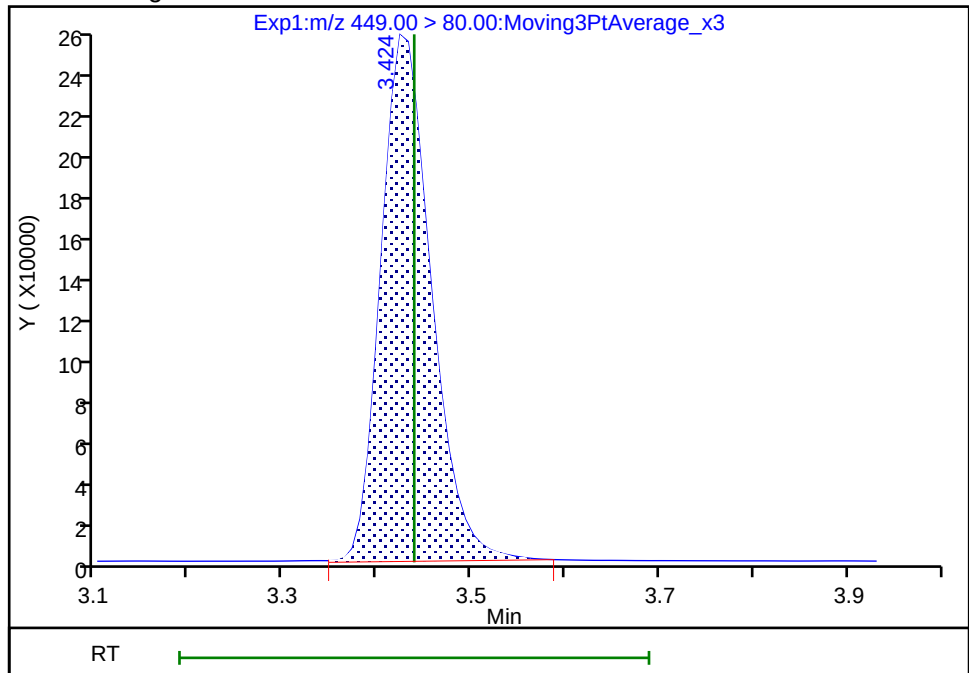
RT: 3.42
Area: 946481
Amount: 0.943397
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 945160
Amount: 0.942081
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:30:38

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B25.d

Injection Date: 19-Dec-2022 21:28:19

Instrument ID: LC812

Lims ID: 460-271307-A-4-B MS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

25

Worklist Smp#: 25

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

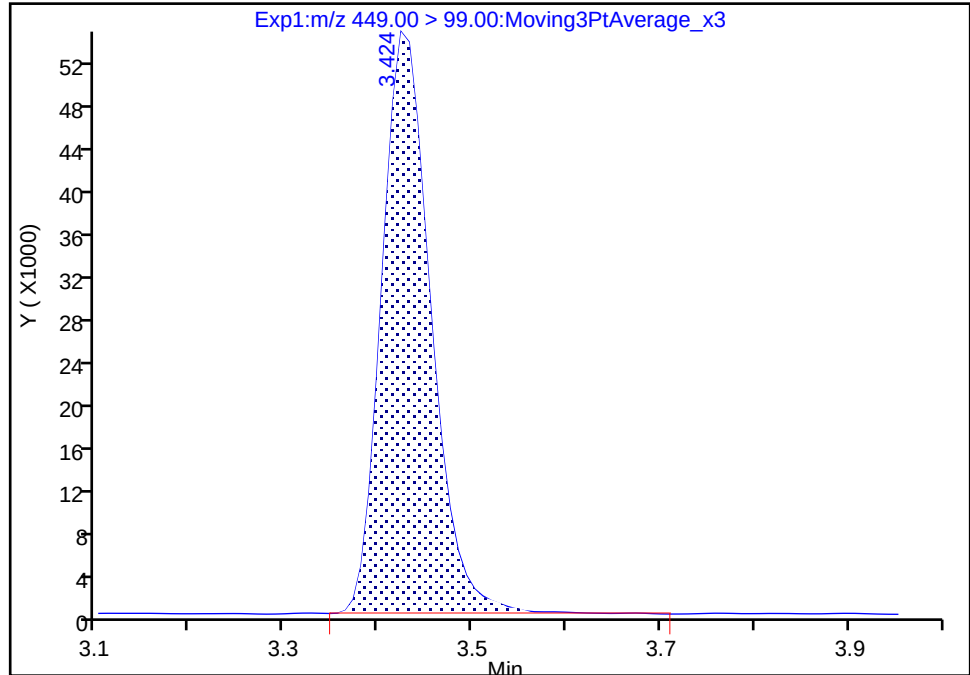
EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

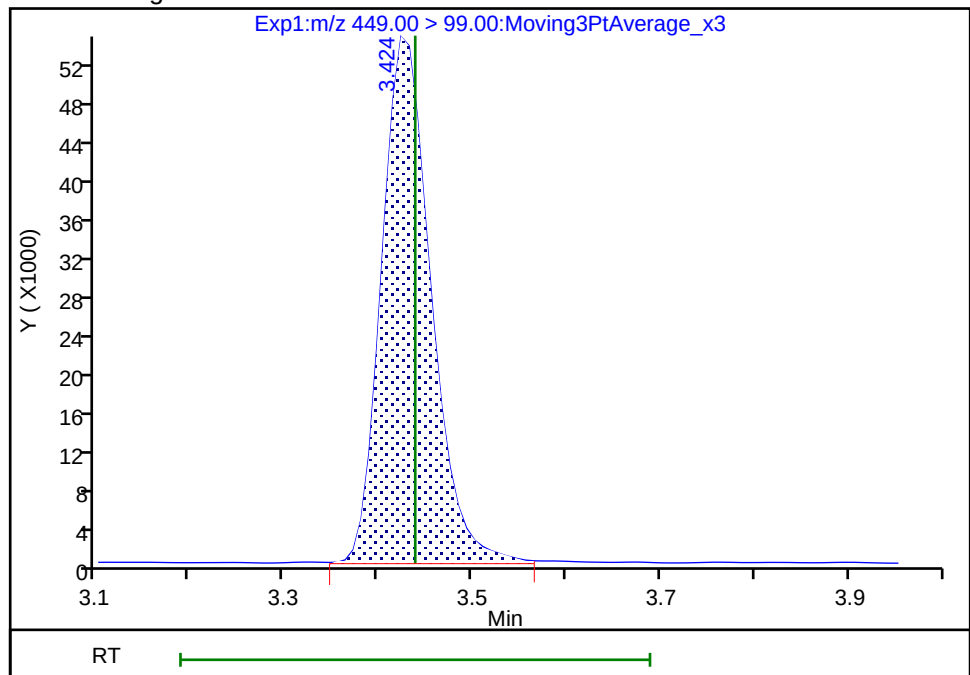
RT: 3.42
Area: 198799
Amount: 0.943397
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 197747
Amount: 0.942081
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:30:41

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

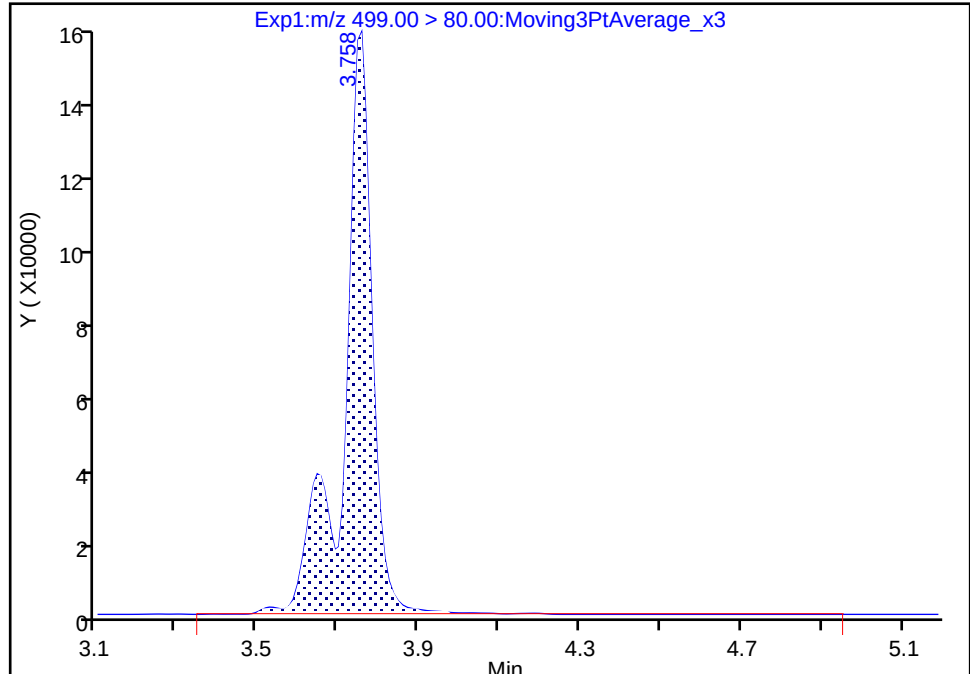
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B25.d
Injection Date: 19-Dec-2022 21:28:19 Instrument ID: LC812
Lims ID: 460-271307-A-4-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

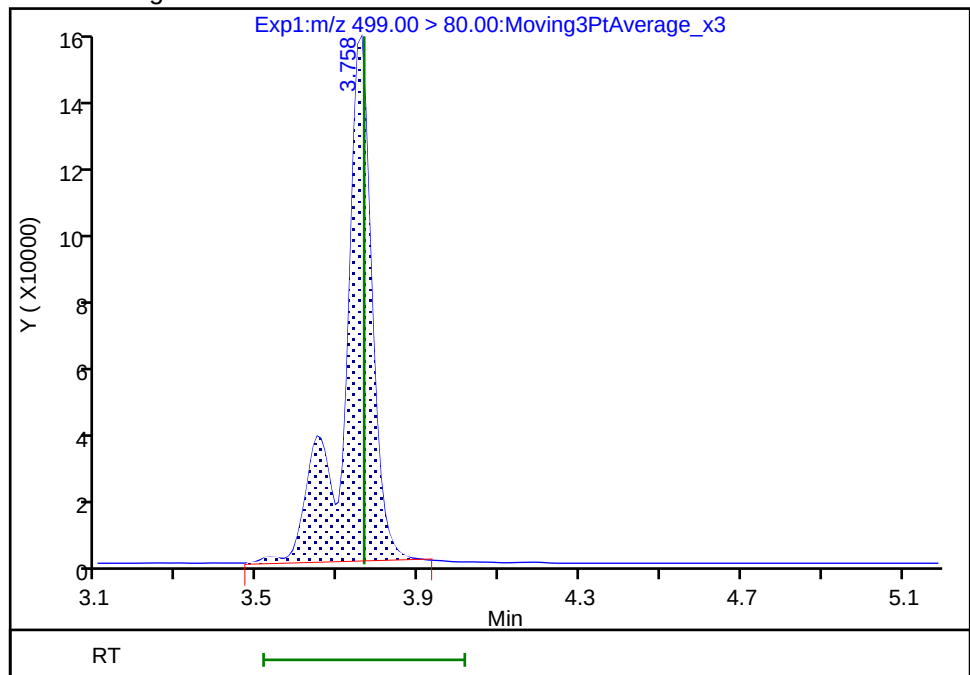
RT: 3.76
Area: 755236
Amount: 0.864552
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 735608
Amount: 0.842083
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:31:06

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B25.d

Injection Date: 19-Dec-2022 21:28:19

Instrument ID: LC812

Lims ID: 460-271307-A-4-B MS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

25

Worklist Smp#: 25

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

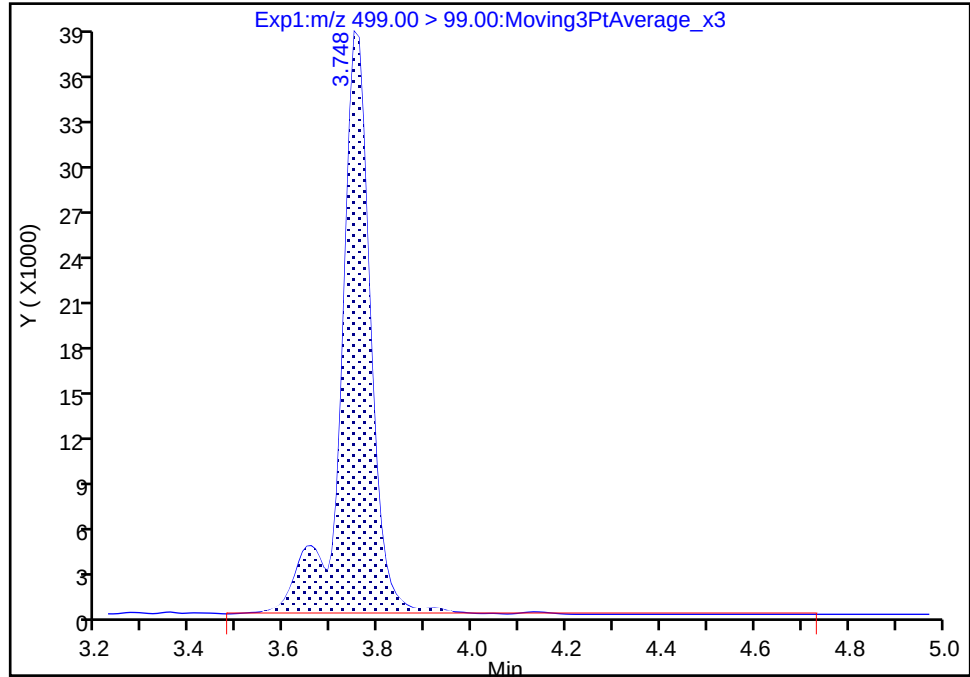
EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

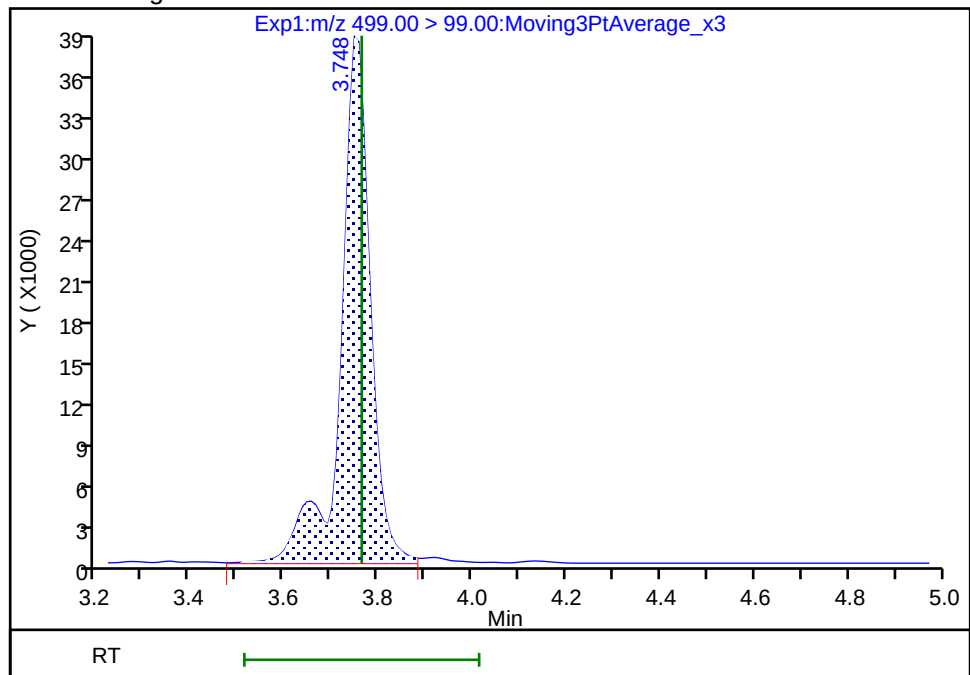
RT: 3.75
Area: 170763
Amount: 0.864552
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 167090
Amount: 0.842083
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:31:15

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

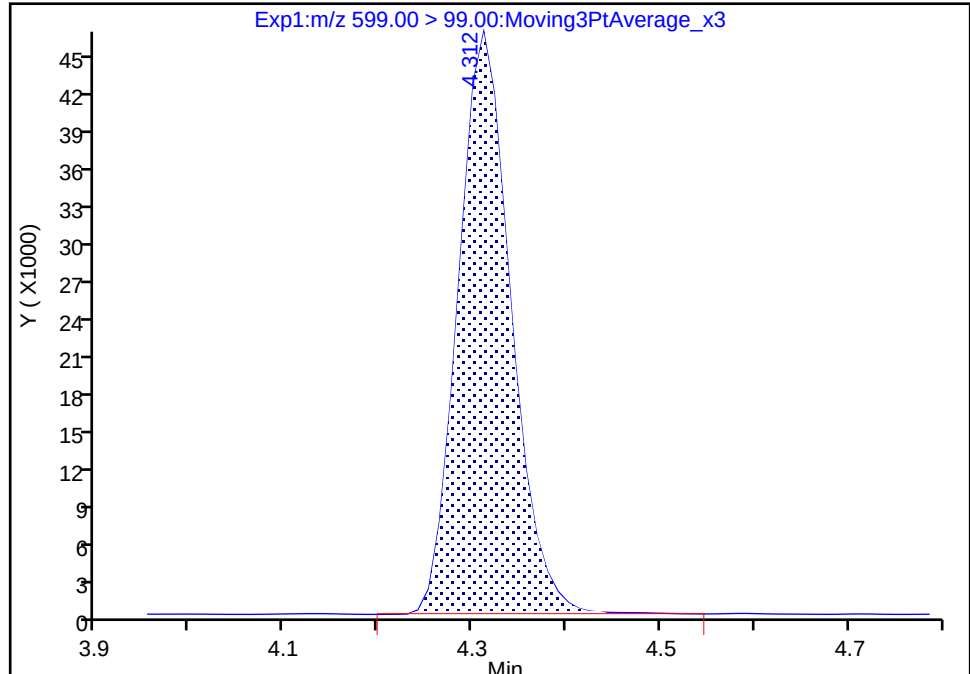
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B25.d
Injection Date: 19-Dec-2022 21:28:19 Instrument ID: LC812
Lims ID: 460-271307-A-4-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

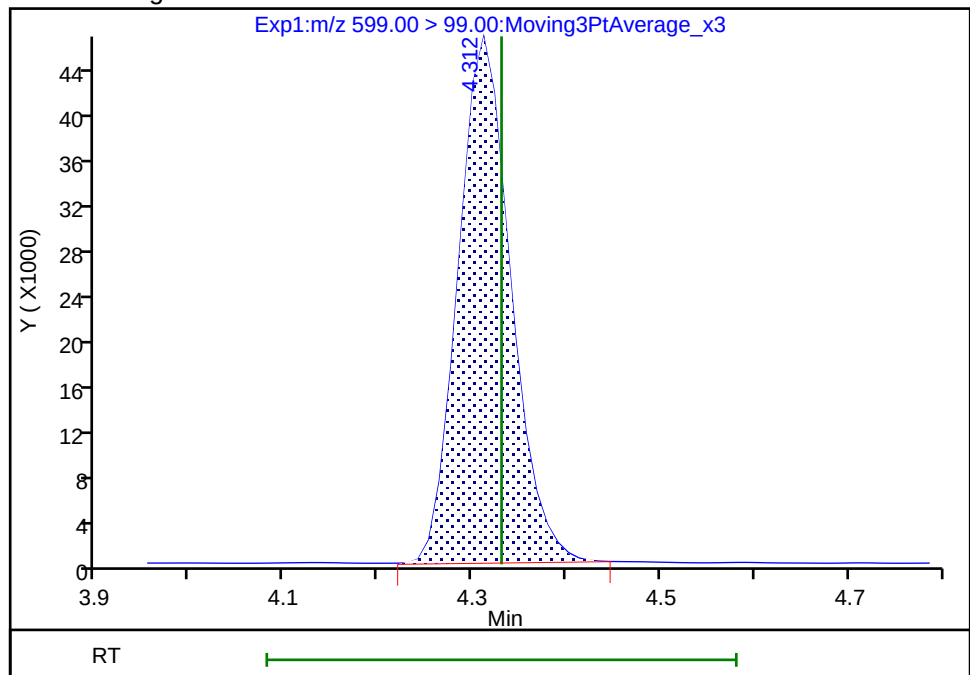
RT: 4.31
Area: 183588
Amount: 0.921155
Amount Units: ng/ml

Processing Integration Results



RT: 4.31
Area: 182039
Amount: 0.921155
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:31:51

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

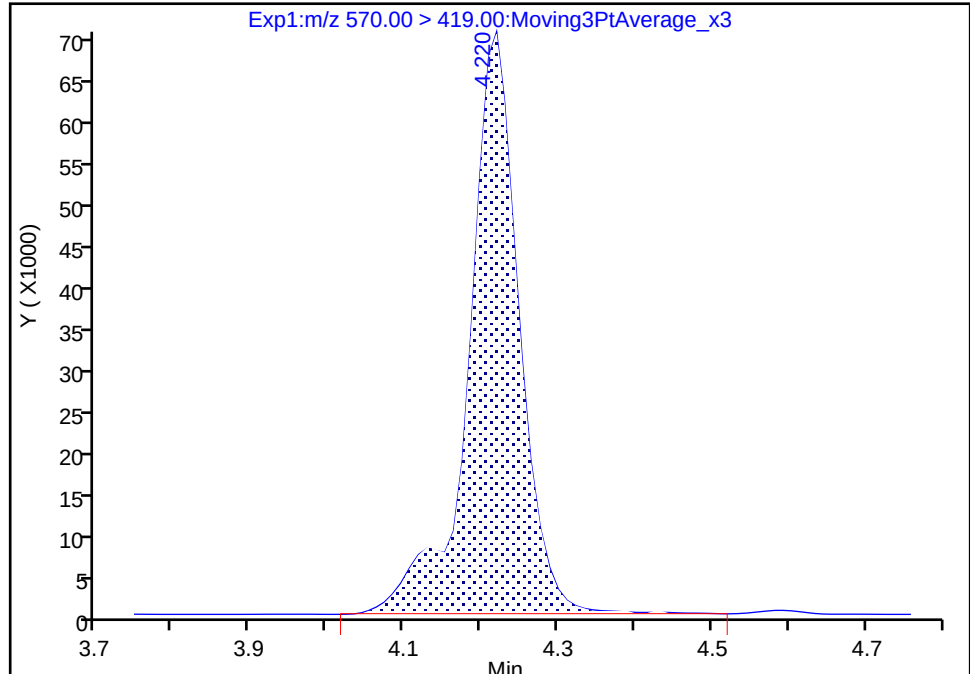
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B25.d
Injection Date: 19-Dec-2022 21:28:19 Instrument ID: LC812
Lims ID: 460-271307-A-4-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

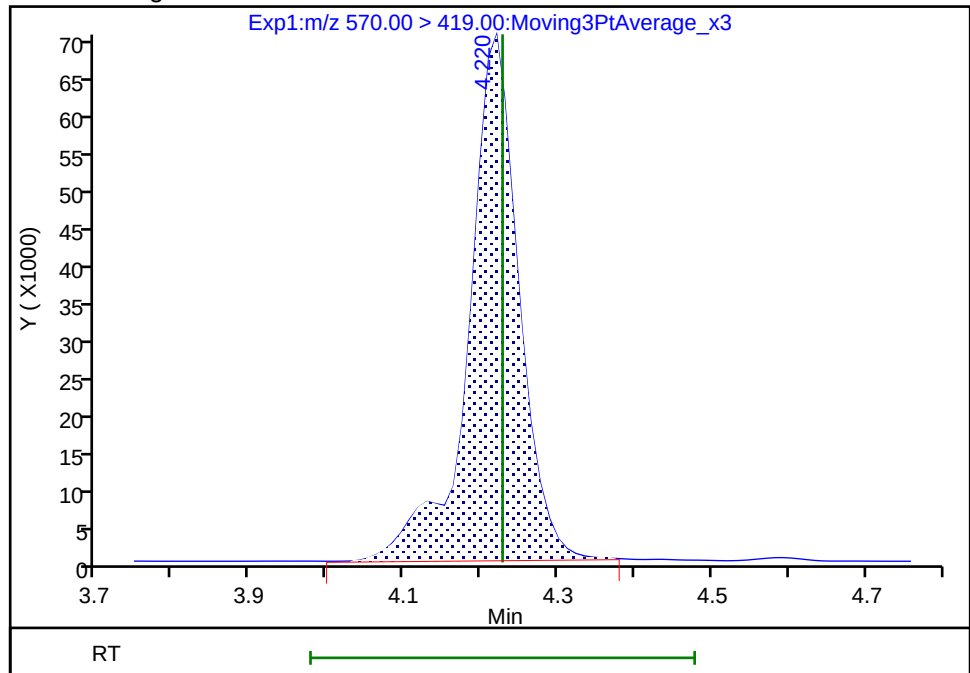
RT: 4.22
Area: 322383
Amount: 1.055859
Amount Units: ng/ml

Processing Integration Results



RT: 4.22
Area: 316895
Amount: 1.037687
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 22-Dec-2022 09:34:02
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B25.d

Injection Date: 19-Dec-2022 21:28:19

Instrument ID: LC812

Lims ID: 460-271307-A-4-B MS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

25

Worklist Smp#: 25

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

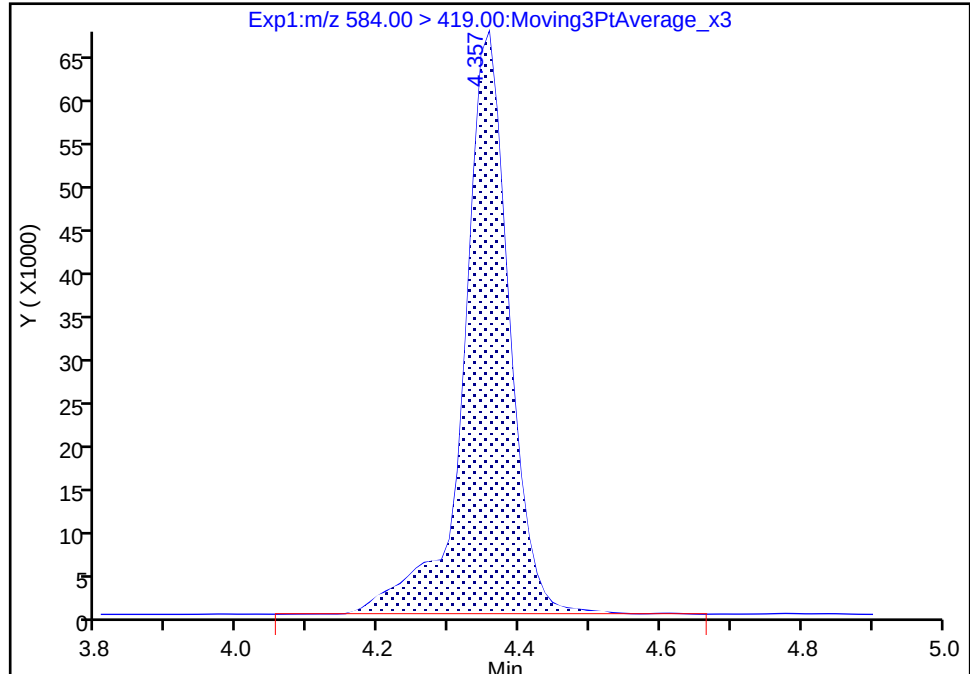
Detector: EXP1

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

Signal: 1

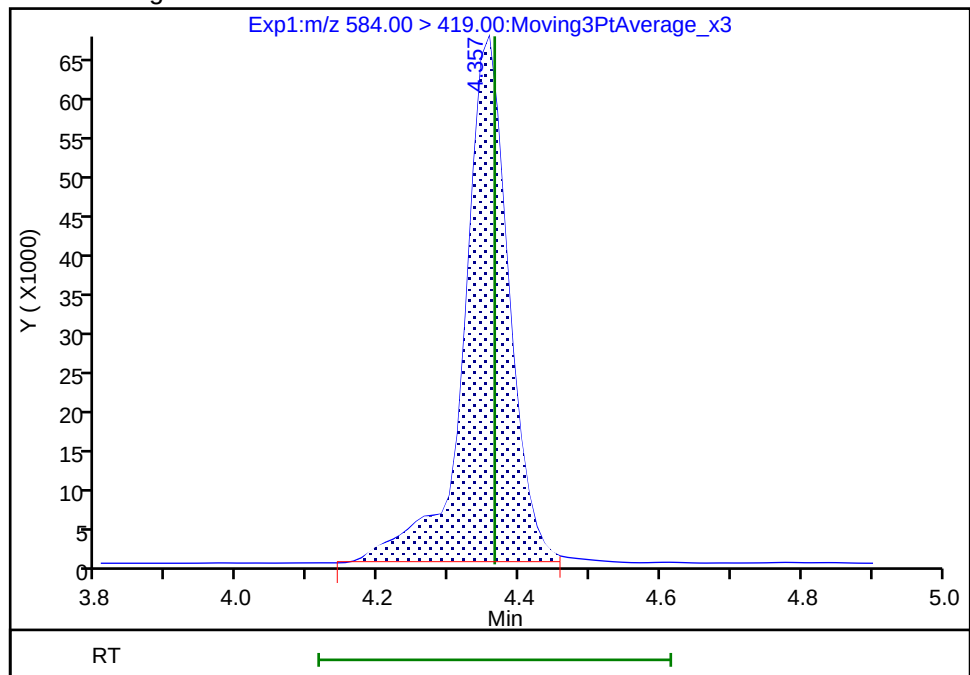
RT: 4.36
Area: 305403
Amount: 0.978615
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 300109
Amount: 0.961652
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 22-Dec-2022 09:34:15

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B25.d

Injection Date: 19-Dec-2022 21:28:19

Instrument ID: LC812

Lims ID: 460-271307-A-4-B MS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

25

Worklist Smp#: 25

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

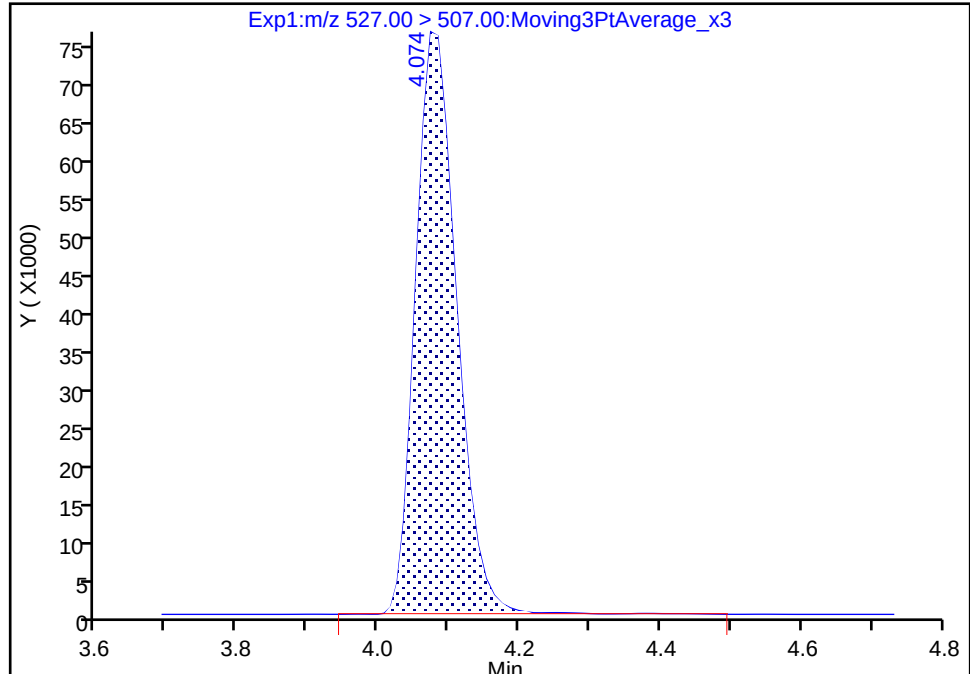
Detector: EXP1

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

Signal: 1

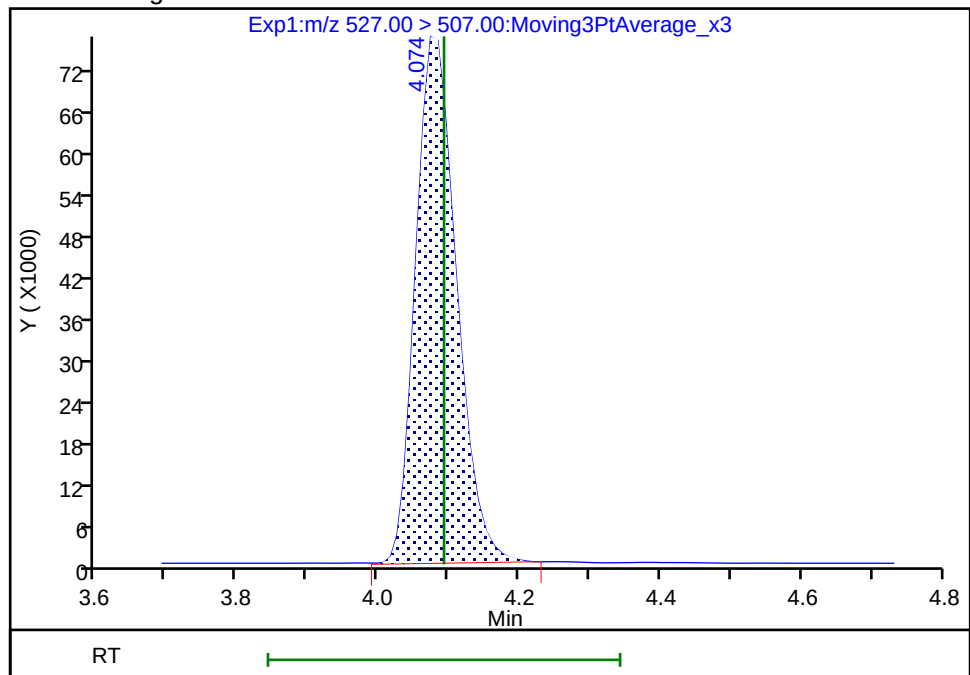
RT: 4.07
Area: 310933
Amount: 0.954650
Amount Units: ng/ml

Processing Integration Results



RT: 4.07
Area: 307789
Amount: 0.944997
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:31:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

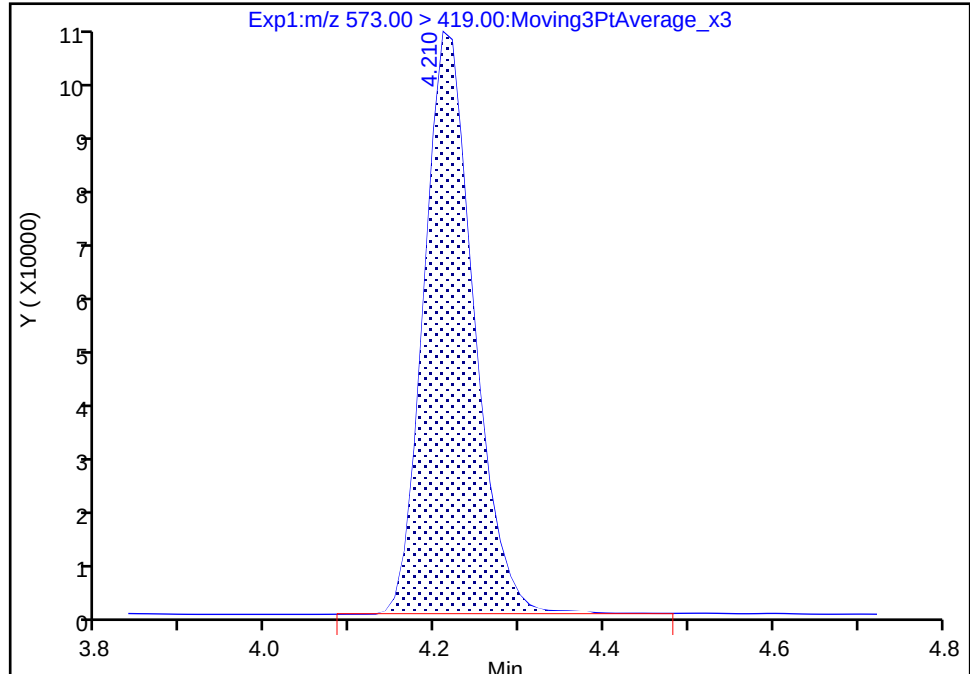
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B25.d
Injection Date: 19-Dec-2022 21:28:19 Instrument ID: LC812
Lims ID: 460-271307-A-4-B MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

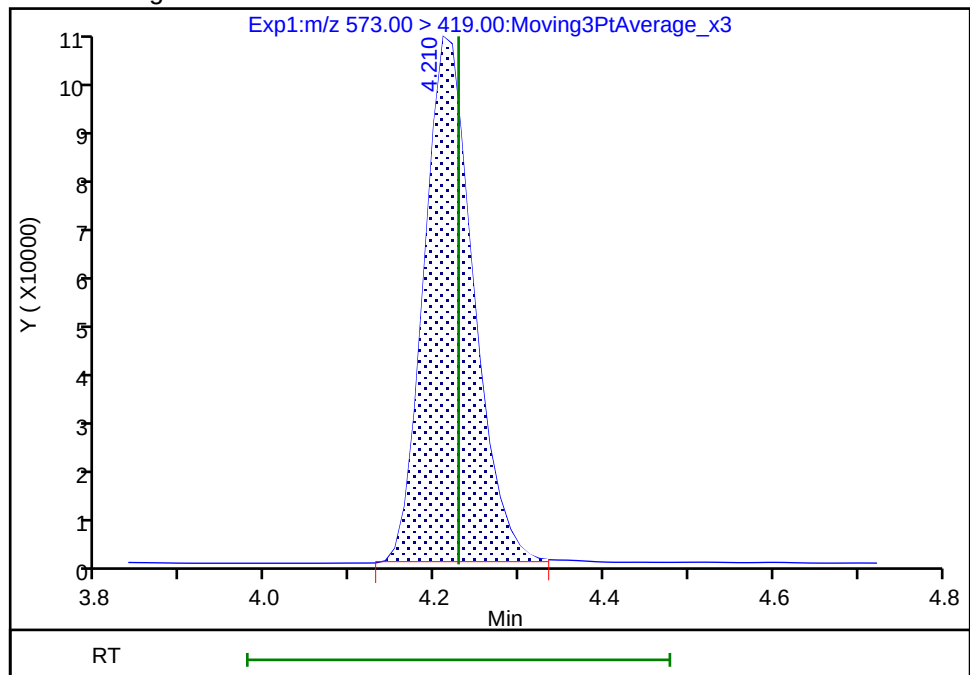
RT: 4.21
Area: 440844
Amount: 0.952628
Amount Units: ng/ml

Processing Integration Results



RT: 4.21
Area: 438832
Amount: 0.948281
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:05:45

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B25.d

Injection Date: 19-Dec-2022 21:28:19

Instrument ID: LC812

Lims ID: 460-271307-A-4-B MS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

25

Worklist Smp#: 25

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

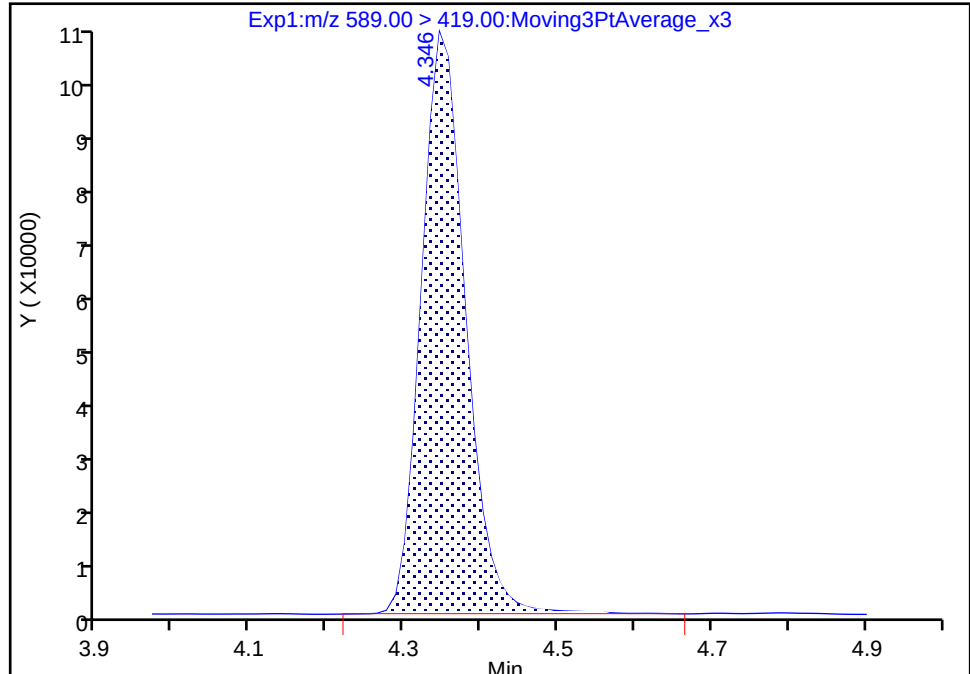
Detector: EXP1

D 32 d5-NEtFOSAA, CAS: STL02117

Signal: 1

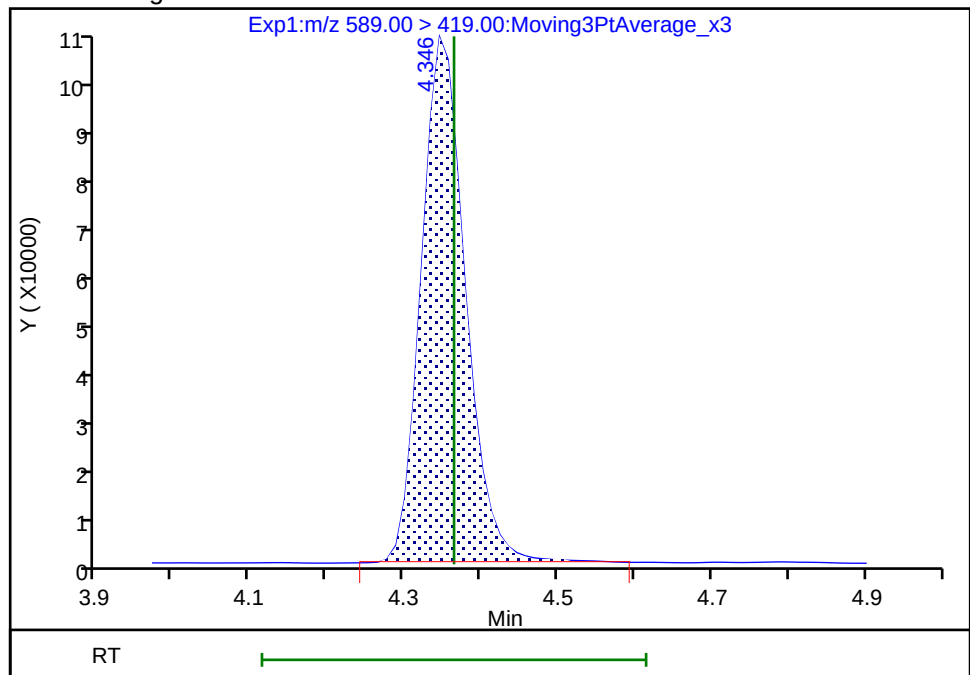
RT: 4.35
Area: 437412
Amount: 0.959944
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 435739
Amount: 0.956272
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:05:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-271302-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: 460-271307-A-4-C MSD

Matrix: Solid Lab File ID: PA221219B26.d

Analysis Method: 537 (modified) Date Collected: _____

Extraction Method: SHAKE Date Extracted: 12/16/2022 16:11

Sample wt/vol: 5.18(g) Date Analyzed: 12/19/2022 21:36

Con. Extract Vol.: 10(mL) Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6 (mm)

% Moisture: 13.5 % Solids: 86.5 GPC Cleanup: (Y/N) N

Cleanup Factor: _____

Analysis Batch No.: 186872 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	2.191		0.56	0.37
2706-90-3	Perfluoropentanoic acid (PFPeA)	2.113		0.22	0.061
307-24-4	Perfluorohexanoic acid (PFHxA)	2.105		0.22	0.051
375-85-9	Perfluoroheptanoic acid (PFHpA)	2.050		0.22	0.043
335-67-1	Perfluorooctanoic acid (PFOA)	2.179		0.22	0.065
375-95-1	Perfluorononanoic acid (PFNA)	2.179		0.22	0.038
335-76-2	Perfluorodecanoic acid (PFDA)	2.070		0.22	0.031
2058-94-8	Perfluoroundecanoic acid (PFUnA)	2.180		0.22	0.030
307-55-1	Perfluorododecanoic acid (PFDoA)	2.115		0.22	0.028
72629-94-8	Perfluorotridecanoic acid (PFTriA)	2.084		0.22	0.028
376-06-7	Perfluorotetradecanoic acid (PFTeA)	2.079		0.22	0.029
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.889		0.22	0.037
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.919		0.22	0.046
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	2.066		0.22	0.026
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.860		0.22	0.12
335-77-3	Perfluorodecanesulfonic acid (PFDS)	2.066		0.22	0.021
754-91-6	Perfluorooctanesulfonamide (FOSA)	2.099		0.22	0.038
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.261		2.23	0.12
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.105	J	2.23	0.093
27619-97-2	6:2 FTS	2.107	J	2.23	0.064
39108-34-4	8:2 FTS	2.223	J	2.23	0.041

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-271302-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: 460-271307-A-4-C MSD
 Matrix: Solid Lab File ID: PA221219B26.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: SHAKE Date Extracted: 12/16/2022 16:11
 Sample wt/vol: 5.18(g) Date Analyzed: 12/19/2022 21:36
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6 (mm)
 % Moisture: 13.5 % Solids: 86.5 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186872 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	77		50-150
STL01892	13C4 PFHpA	88		50-150
STL00990	13C4 PFOA	85		50-150
STL00991	13C4 PFOS	74		50-150
STL00995	13C5 PFNA	85		50-150
STL00992	13C4 PFBA	74		50-150
STL00993	13C2 PFHxA	83		50-150
STL00996	13C2 PFDA	88		50-150
STL00997	13C2 PFUnA	86		50-150
STL00998	13C2 PFDoA	85		50-150
STL01056	13C8 FOSA	71		50-150
STL01893	13C5 PFPeA	78		50-150
STL02116	13C2 PFTeDA	75		50-150
STL02118	d3-NMeFOSAA	78		50-150
STL02117	d5-NEtFOSAA	82		50-150
STL02279	M2-6:2 FTS	70		50-150
STL02280	M2-8:2 FTS	66		50-150
STL02337	13C3 PFBS	72		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B26.d
 Lims ID: 460-271307-A-4-C MSD
 Client ID:
 Sample Type: MSD
 Inject. Date: 19-Dec-2022 21:36:30 ALS Bottle#: 26 Worklist Smp#: 26
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 460-271307-A-4-C MSD
 Misc. Info.: 200-0053737-026 Plate: 1 Rack: 2
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 22-Dec-2022 09:36:59 Calib Date: 18-Nov-2022 15:10:45
 Integrator: Picker
 Quant Method: Isotopic Dilution Quant By: Initial Calibration
 Last ICal File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
 Column 1 : C-18 (4.60 mm) Det: EXP1
 Process Host: CTX1616

First Level Reviewer: khanphomeea

Date: 20-Dec-2022 10:38:02

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	2.086	2.076	0.010	0.607	2319573	0.9242		73.9	7871	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.086	2.076	0.010	1.000	1879254	0.9821		98.2	156	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.391	2.387	0.004	0.696	1867621	0.9771		78.2	2814	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.391	2.387	0.004	1.000	1542276	0.9472		94.7	37.4	
D 47 13C3 PFBS										M
301.90 > 80.00	2.404	2.400	0.004	0.700	1729648	0.8329		71.6	205521	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.418	2.400	0.018	1.006	1441307	0.8467	Target=2.09	95.8	1637	M
298.90 > 99.00	2.404	2.400	0.004	1.000	692242		2.08(1.04-3.13)		372	M
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.696	2.689	0.007	1.000	317389	0.8648		92.6	1368	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.696	2.689	0.007	0.785	139075	0.7579		64.9	118	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.733	2.725	0.008	0.795	2067429	1.03		82.6	2753	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.733	2.725	0.008	1.000	1700834	0.9438	Target=14.25	94.4	318	M
313.00 > 119.00	2.733	2.725	0.008	1.000	128663		13.22(7.12-21.37)		233	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.733	2.737	-0.004	0.886	1372015	0.8870	Target=3.04	94.6	1683	M
349.00 > 99.00	2.733	2.737	-0.004	0.886	465639		2.95(1.52-4.56)		984	
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.830	2.835	-0.005	1.000	297081	0.99		99.5	1166	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	2.830	2.835	-0.005	0.824	353517	1.00		80.0	3277	
D 11 18O2 PFHxS										
403.00 > 84.00	3.083	3.088	-0.005	0.897	1369604	0.9053		76.6	3181	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.083	3.088	-0.005	1.000	1124599	0.8603	Target=3.66	94.5	1467	M
399.00 > 99.00	3.083	3.088	-0.005	1.000	332015		3.39(1.83-5.49)		421	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.083	3.099	-0.016	0.897	2273236	1.10		88.3	3101	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.083	3.099	-0.016	1.000	1819298	0.9188	Target=3.97	91.9	369	
363.00 > 169.00	3.083	3.099	-0.016	1.000	471469		3.86(1.98-5.95)		1104	
77 DONA										
377.00 > 251.00	3.127	3.132	-0.005	0.834	4480658	1.08	Target=3.16	114	2921	
377.00 > 85.00	3.127	3.132	-0.005	0.834	1394385		3.21(1.58-4.73)		1786	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.427	3.439	-0.012	0.997	209908	0.8274		69.7	608	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.427	3.439	-0.012	1.000	357140	0.9446		99.6	891	M
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.418	3.439	-0.021	0.911	976264	0.9262	Target=5.14	97.3	2044	M
449.00 > 99.00	3.418	3.439	-0.021	0.911	196027		4.98(2.57-7.72)		687	M
D 14 13C4 PFOA										
417.00 > 372.00	3.435	3.448	-0.013	1.000	2449948	1.06		84.6	9843	
* 62 13C2 PFOA										
415.00 > 370.00	3.435	3.448	-0.013		2796839	1.25			4173	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.435	3.448	-0.013	1.000	2046308	0.9766	Target=2.79	97.7	151	M
413.00 > 169.00	3.435	3.448	-0.013	1.000	724397		2.82(1.40-4.19)		695	M
D 18 13C4 PFOS										
503.00 > 80.00	3.751	3.764	-0.013	1.092	901810	0.8785		73.5	2648	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.751	3.764	-0.013	1.000	765112	0.8337	Target=5.11	89.8	839	M
499.00 > 99.00	3.751	3.764	-0.013	1.000	173479		4.41(2.55-7.66)		466	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.770	3.783	-0.013	1.000	1936083	0.9766	Target=8.55	97.7	422	M
463.00 > 169.00	3.770	3.783	-0.013	1.000	234738		8.25(4.28-12.83)		931	M
D 19 13C5 PFNA										
468.00 > 423.00	3.770	3.783	-0.013	1.097	2388884	1.06		84.9	2770	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.912	3.928	-0.016	1.043	1948087	0.9249		99.2	3304	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.040	4.050	-0.010	1.077	630187	0.9098	Target=2.53	94.8	3391	
549.00 > 99.00	4.040	4.050	-0.010	1.077	256473		2.46(1.27-3.80)		1099	
D 23 13C2 PFDA										
515.00 > 470.00	4.070	4.081	-0.011	1.185	2511961	1.10		87.6	3165	

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	4.070	4.081	-0.011	1.000	2022036	0.9278	Target=10.26	92.8	730	
513.00 > 169.00	4.060	4.081	-0.021	0.997	196325		10.30(5.13-15.38)		605	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.070	4.093	-0.023	1.185	243503	0.7848		65.5	725	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.070	4.093	-0.023	1.000	327602	1.00		104	2342	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.137	4.150	-0.013	1.000	1319475	0.9410		94.1	1557	
D 21 13C8 FOSA										M
506.00 > 78.00	4.137	4.150	-0.013	1.204	1677749	0.8924		71.4	2025	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.206	4.228	-0.022	1.224	456755	0.9782		78.3	557	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.216	4.228	-0.012	1.002	322272	1.01		101	493	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.307	4.331	-0.024	1.148	506670	0.9264	Target=2.51	96.1	1846	
599.00 > 99.00	4.307	4.331	-0.024	1.148	189305		2.68(1.25-3.76)		1003	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.341	4.353	-0.012	1.264	2262898	1.08		86.2	3698	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.341	4.353	-0.012	1.000	1782725	0.9771	Target=9.88	97.7	654	
563.00 > 169.00	4.341	4.353	-0.012	1.000	167624		10.64(4.94-14.82)		904	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.352	4.365	-0.013	1.003	319509	0.9435		94.3	896	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.341	4.365	-0.024	1.264	472838	1.03		82.3	1022	
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.431	4.454	-0.023	1.181	2921510	0.8998		95.5	3603	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.579	4.591	-0.012	1.000	1821210	0.9482	Target=7.77	94.8	172	
613.00 > 169.00	4.579	4.591	-0.012	1.000	240284		7.58(3.89-11.66)		1328	
D 36 13C2 PFDaA										
615.00 > 570.00	4.579	4.591	-0.012	1.333	2266158	1.06		84.7	4253	
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.590	4.612	-0.022	1.128	199636	1.01		105	1119	M
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.757	4.776	-0.019	1.268	190049	0.8212	Target=0.50	84.8	1131	M
699.00 > 99.00	4.748	4.776	-0.028	1.266	377541		0.50(0.25-0.76)		1713	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.784	4.804	-0.020	1.045	1716404	0.9344	Target=5.21	93.4	143	M
663.00 > 169.00	4.784	4.804	-0.020	1.045	303569		5.65(2.60-7.81)		1385	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	4.981	5.012	-0.031	1.000	177430	0.9320	Target=0.89	93.2	642	M
713.00 > 219.00	4.981	5.012	-0.031	1.000	192371		0.92(0.44-1.33)		1091	M
D 43 13C2 PFTeDA										
715.00 > 670.00	4.981	5.012	-0.031	1.450	1738247	0.9393		75.1	5480	

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	5.343	5.367	-0.024	1.000	1434831	0.9889	Target=5.65	98.9	151	M
813.00 > 169.00	5.343	5.367	-0.024	1.000	229479		6.25(2.82-8.47)		1155	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.343	5.367	-0.024	1.555	1938979	0.8476		67.8	3241	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.685	5.722	-0.037	1.064	1191267	0.9325	Target=6.24	93.2	153	M
913.00 > 169.00	5.685	5.722	-0.037	1.064	171390		6.95(3.12-9.36)		573	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B26.d

Injection Date: 19-Dec-2022 21:36:30

Instrument ID: LC812

Lims ID: 460-271307-A-4-C MSD

Client ID:

Operator ID: lc812tech

ALS Bottle#: 26

Worklist Smp#: 26

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

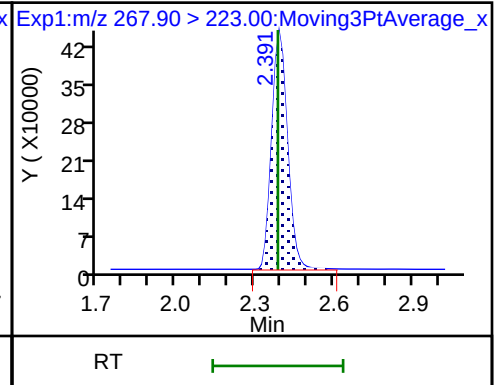
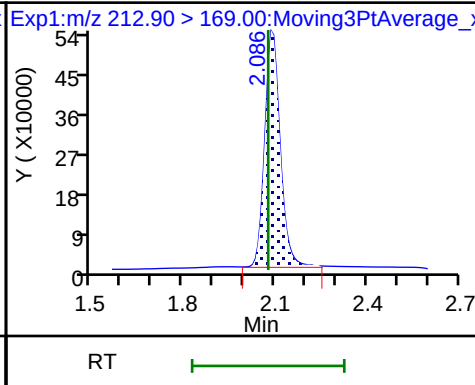
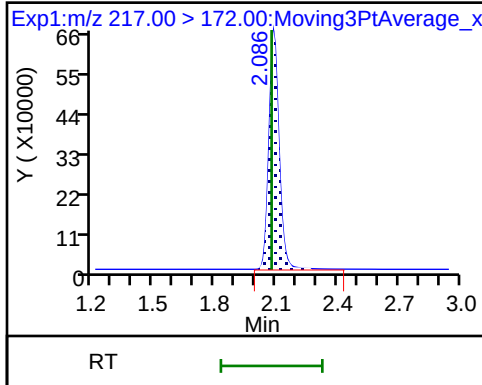
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

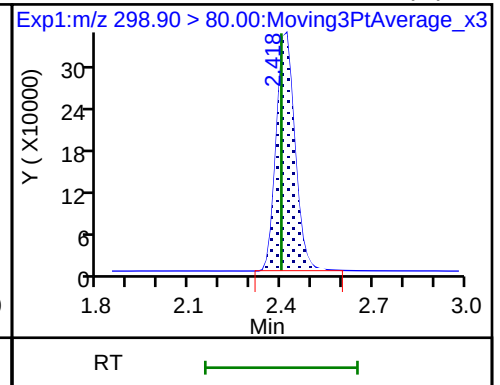
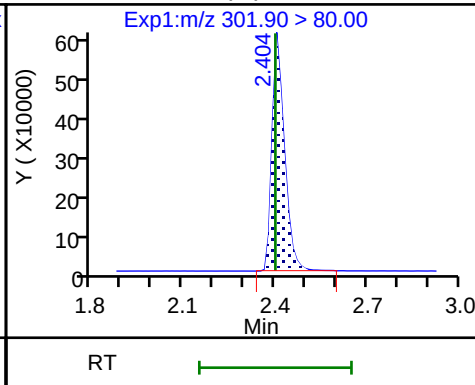
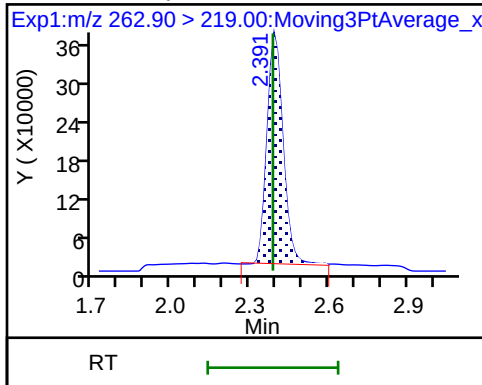
D 3 13C5 PFPeA



4 Perfluoropentanoic acid

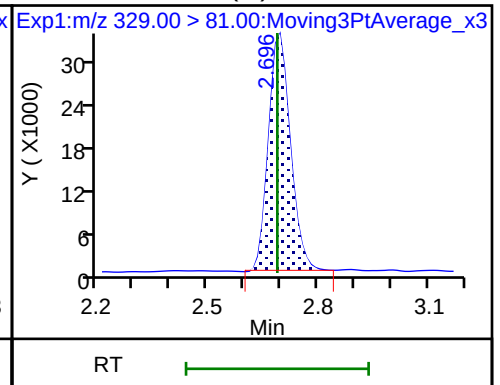
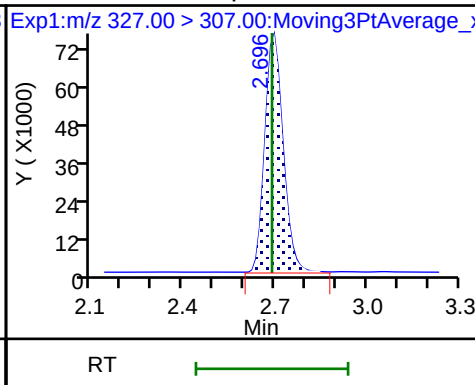
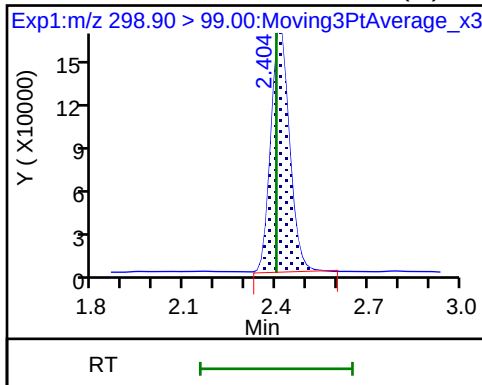
D 47 13C3 PFBS (M)

5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

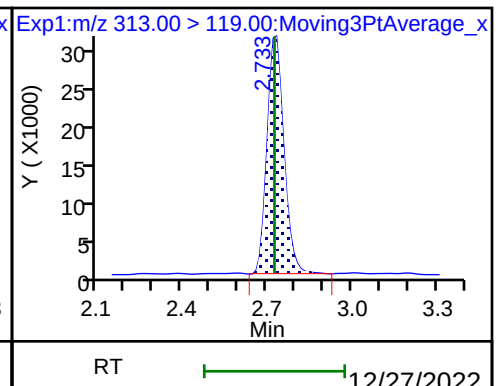
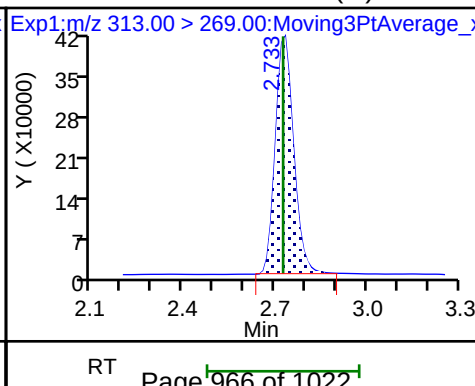
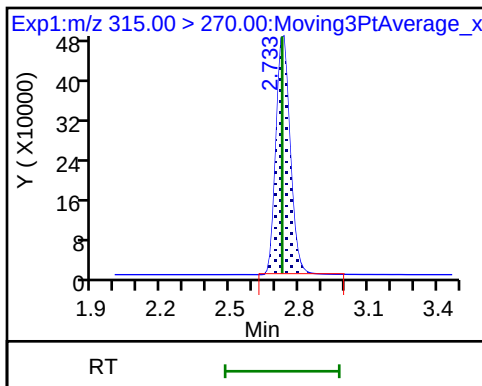
61 1H,1H,2H,2H-perfluorohexanesulfo D 60 M2-4:2 FTS (M)

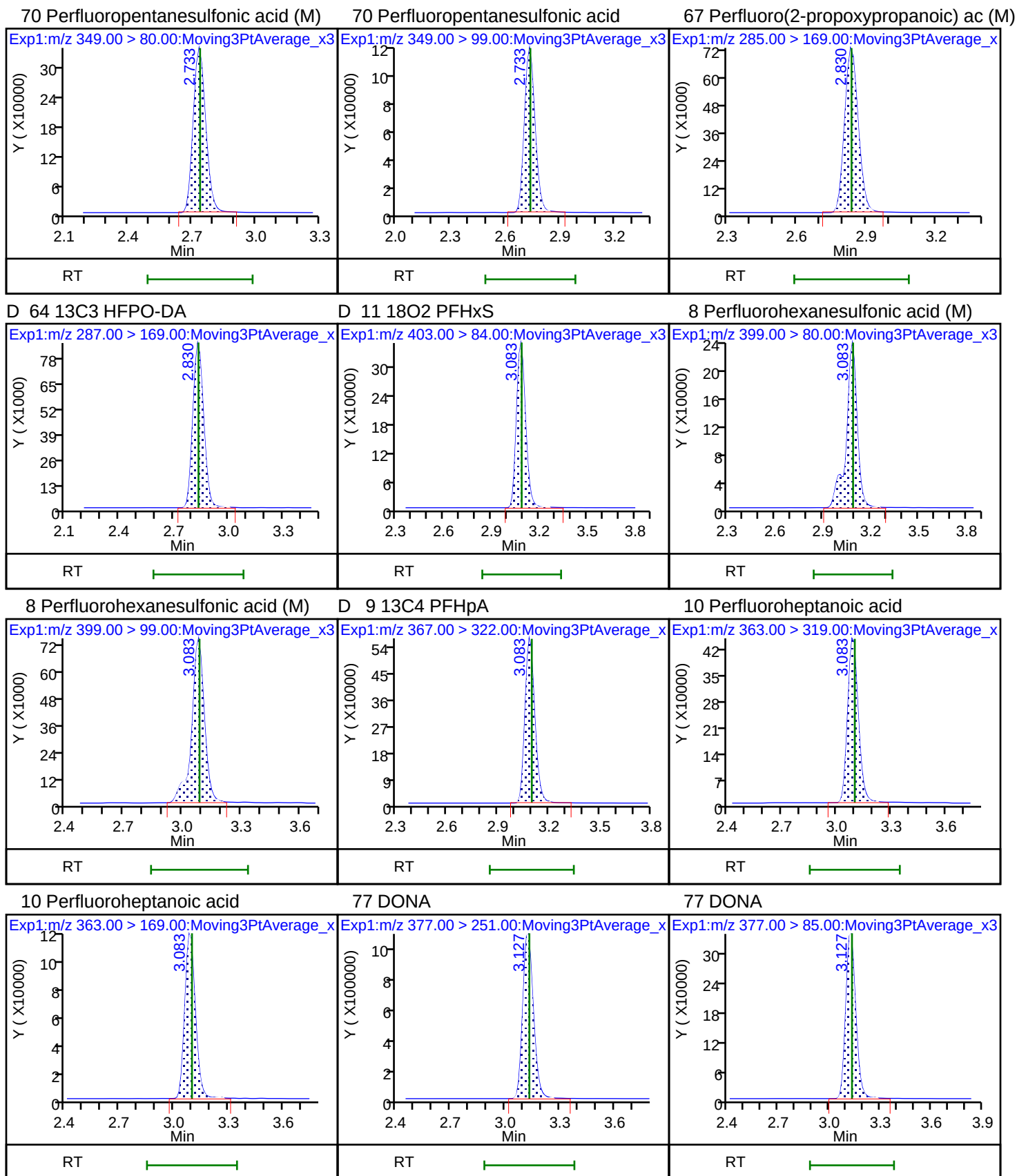


D 7 13C2 PFHxA

6 Perfluorohexanoic acid (M)

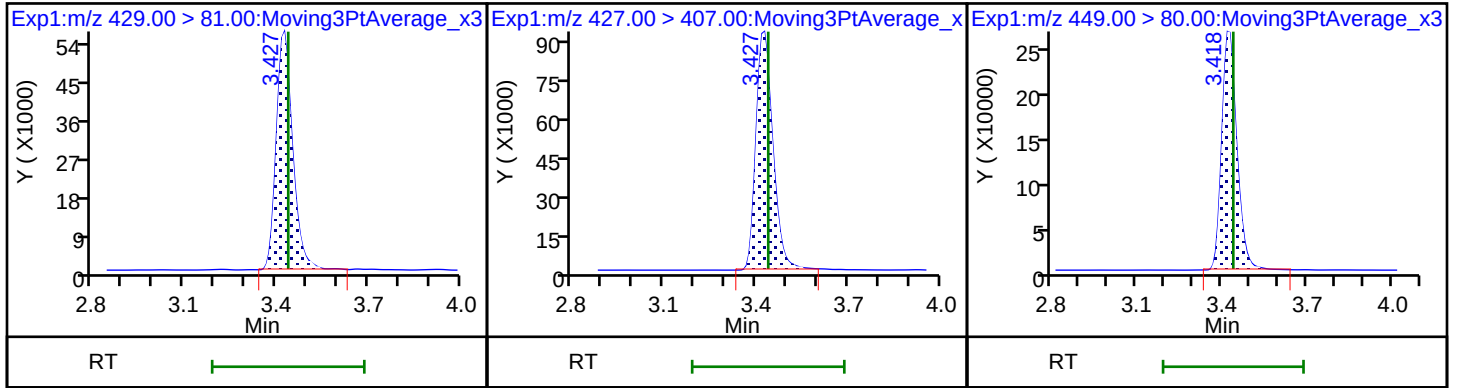
6 Perfluorohexanoic acid





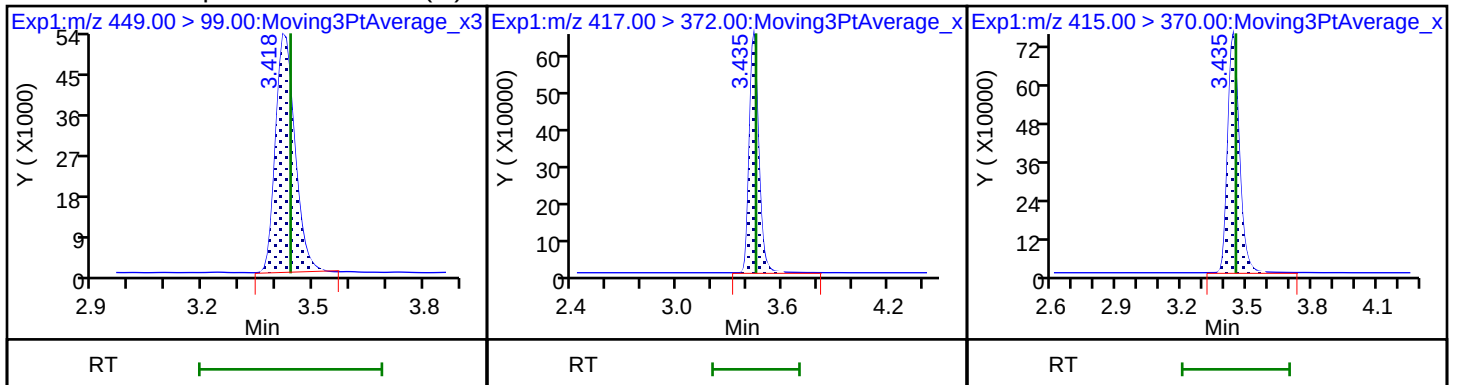
D 12 M2-6:2 FTS

13 1H,1H,2H,2H-perfluorooctanesulfo (M) 16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M) D 14 13C4 PFOA

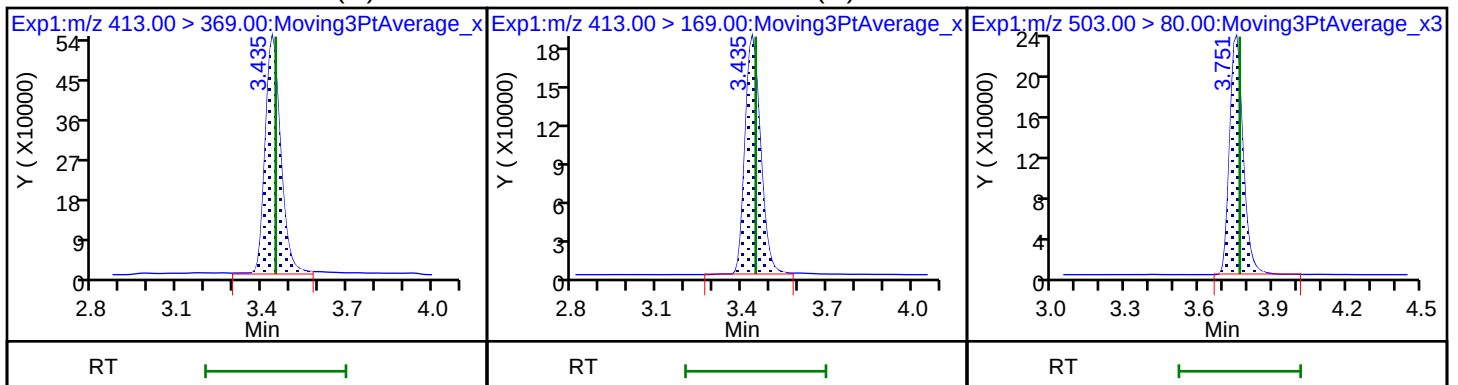
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

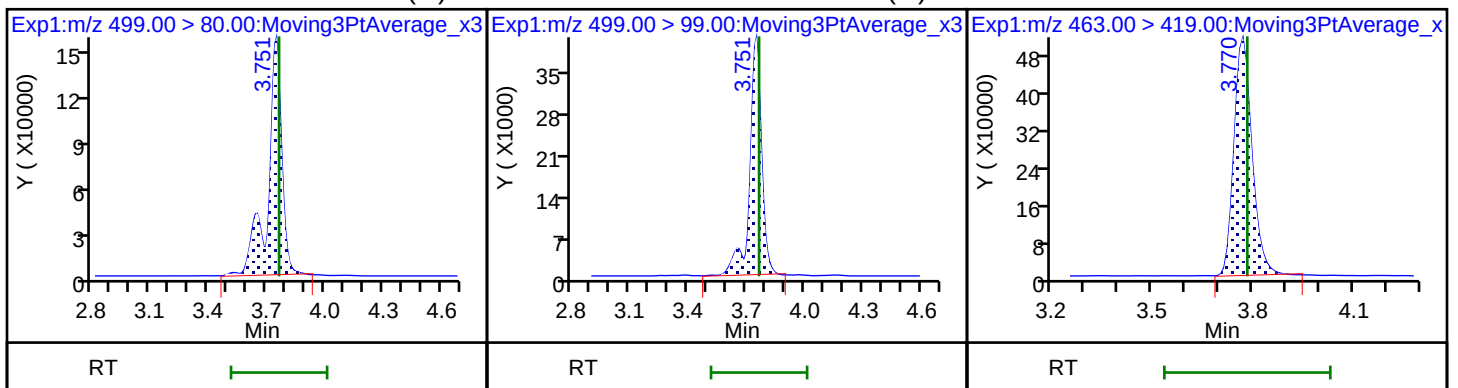
D 18 13C4 PFOS

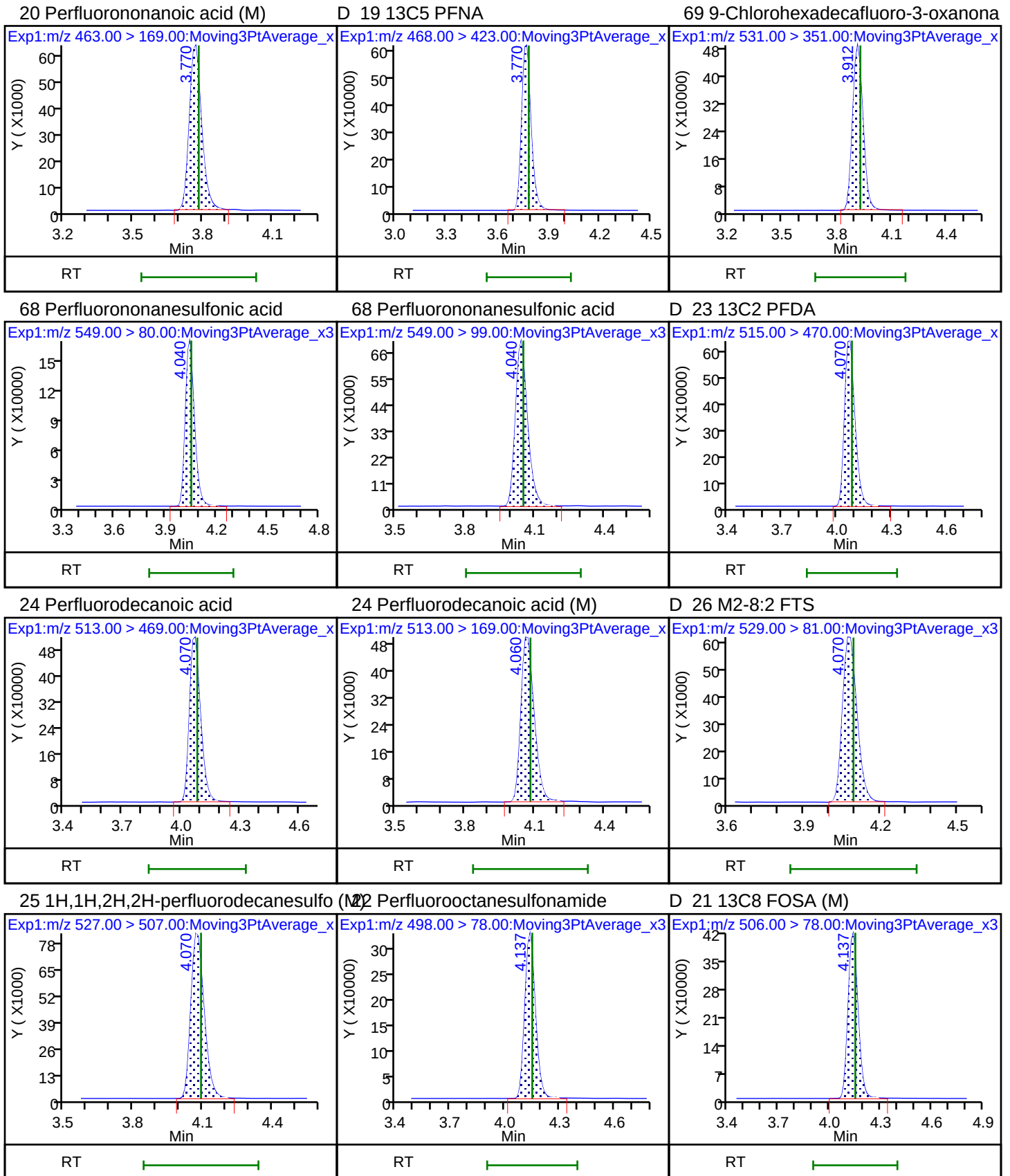


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid

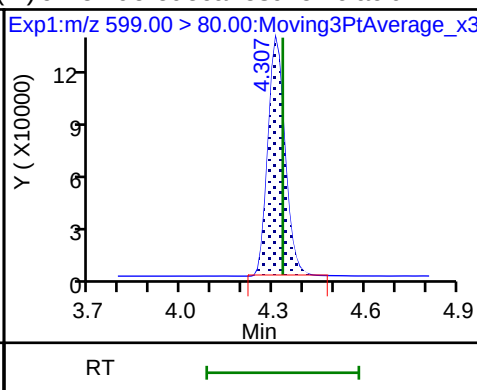
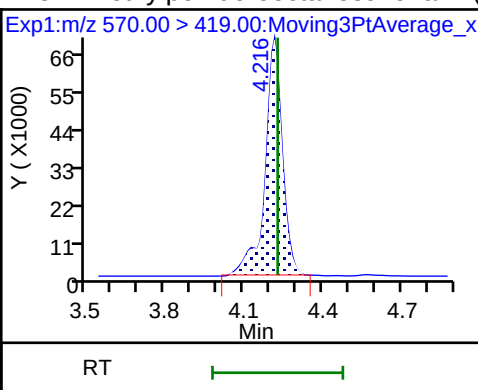
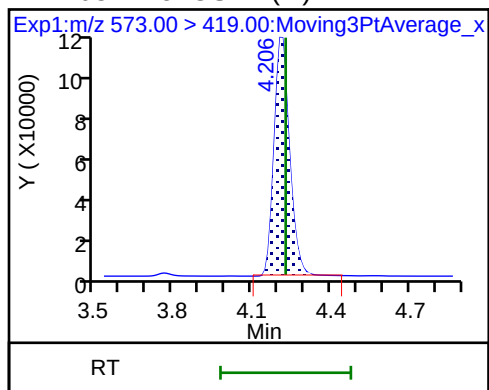




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

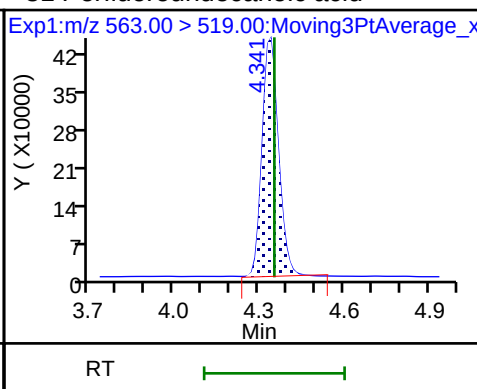
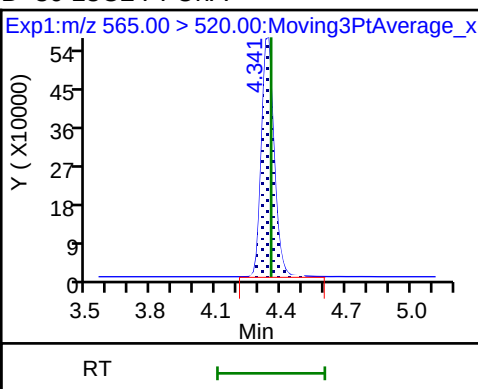
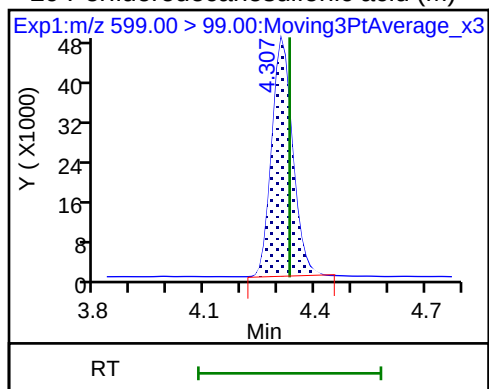
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUnA

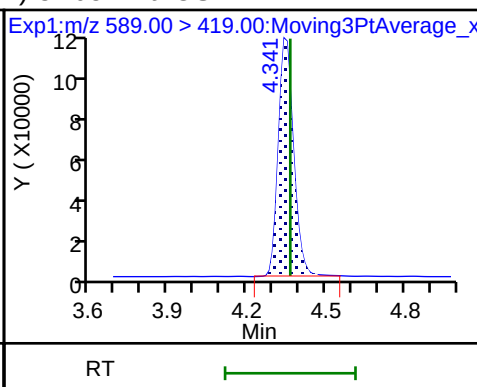
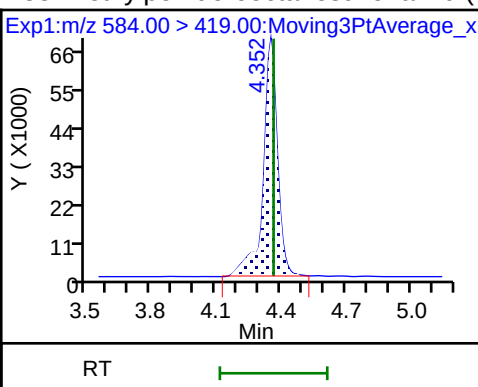
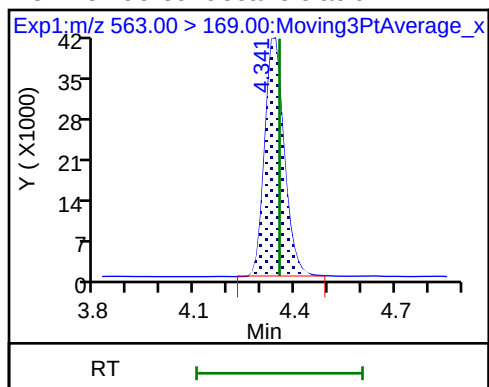
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid

33 N-ethylperfluorooctanesulfonamid (M)

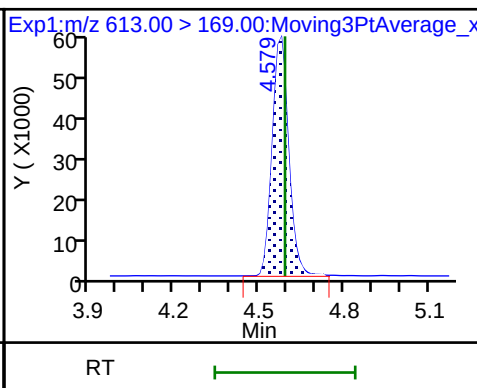
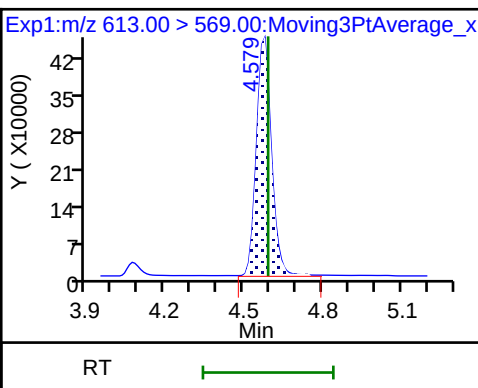
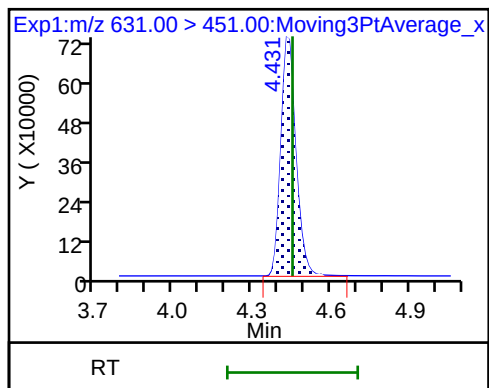
32 d5-NEtFOSAA



66 11-Chloroeicosafluoro-3-oxaundec

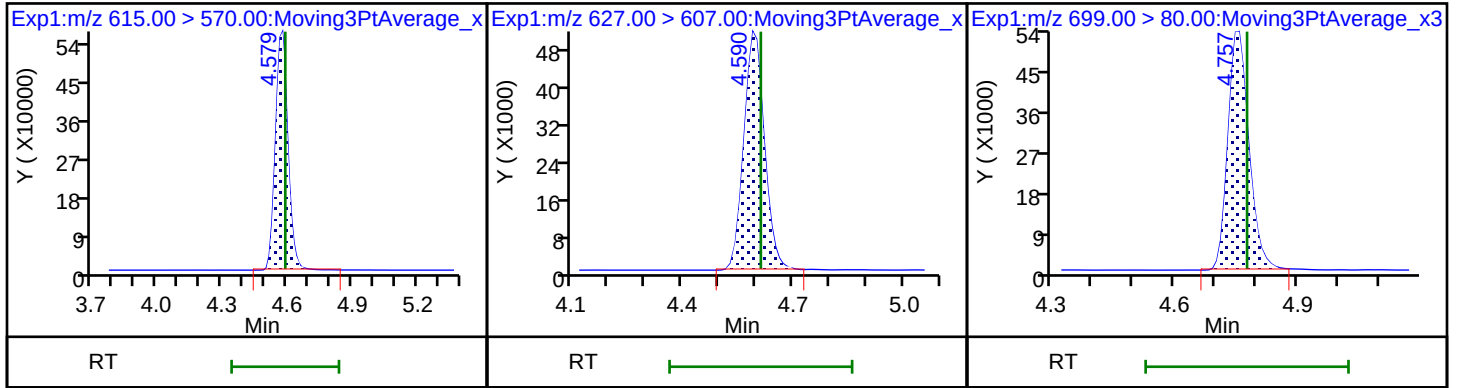
37 Perfluorododecanoic acid

37 Perfluorododecanoic acid



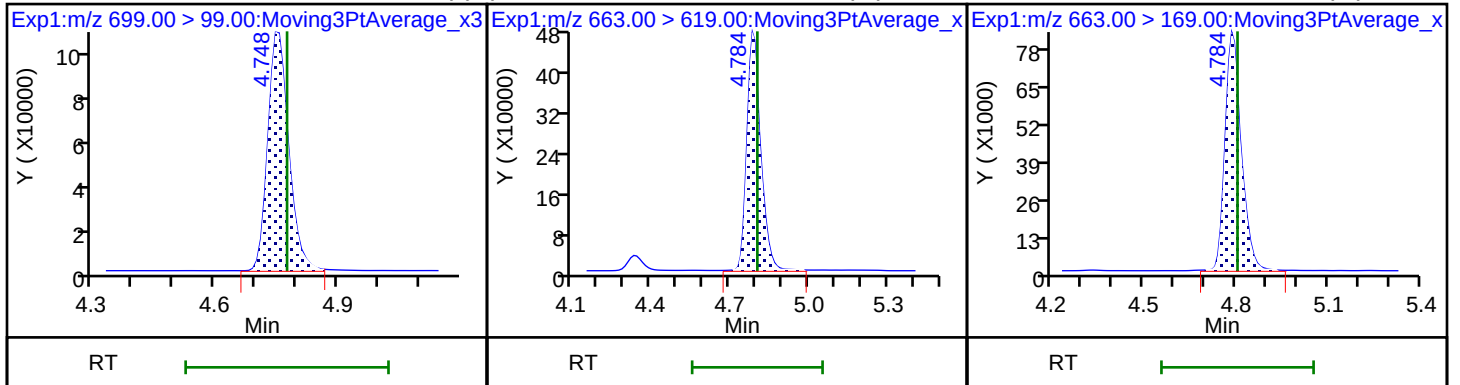
D 36 13C2 PFDaA

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



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

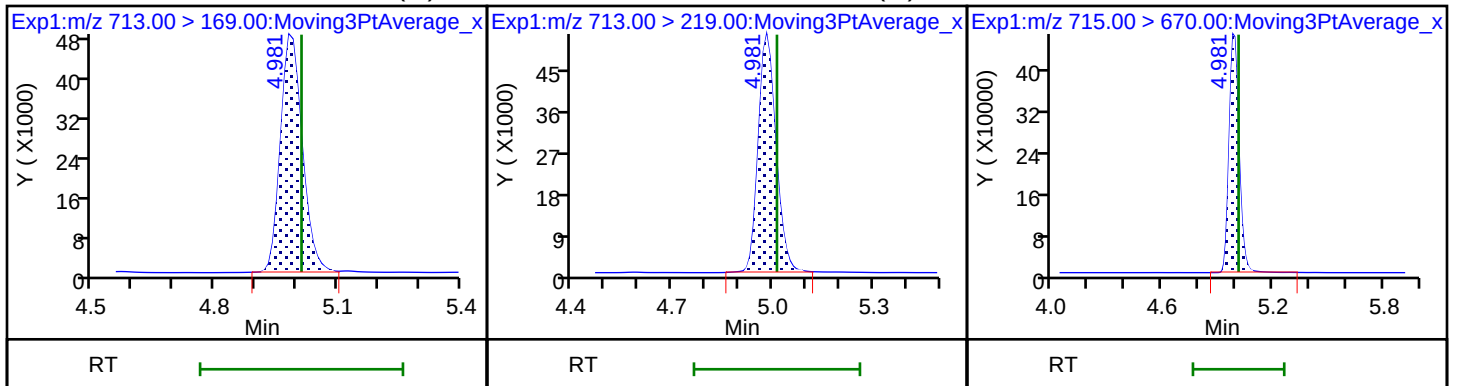
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

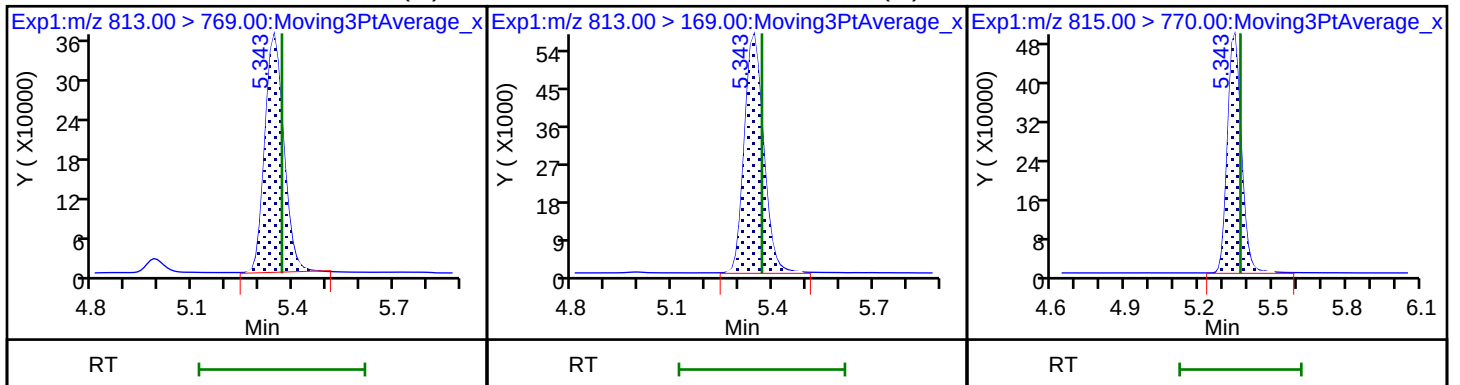
D 43 13C2 PFTeDA



45 Perfluorohexadecanoic acid (M)

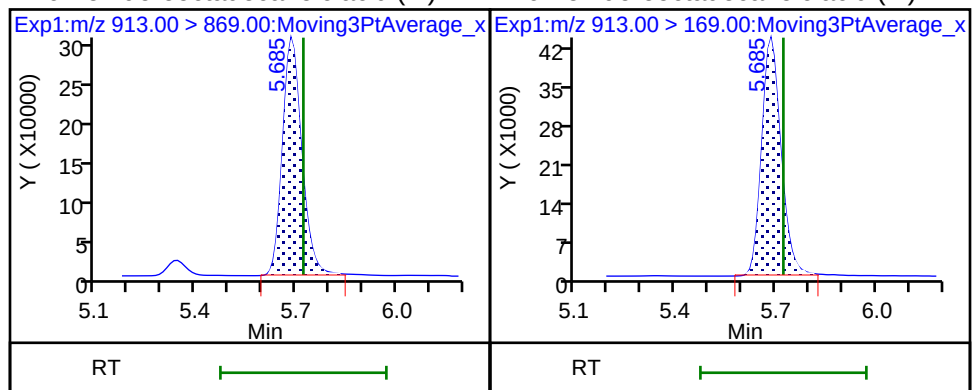
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

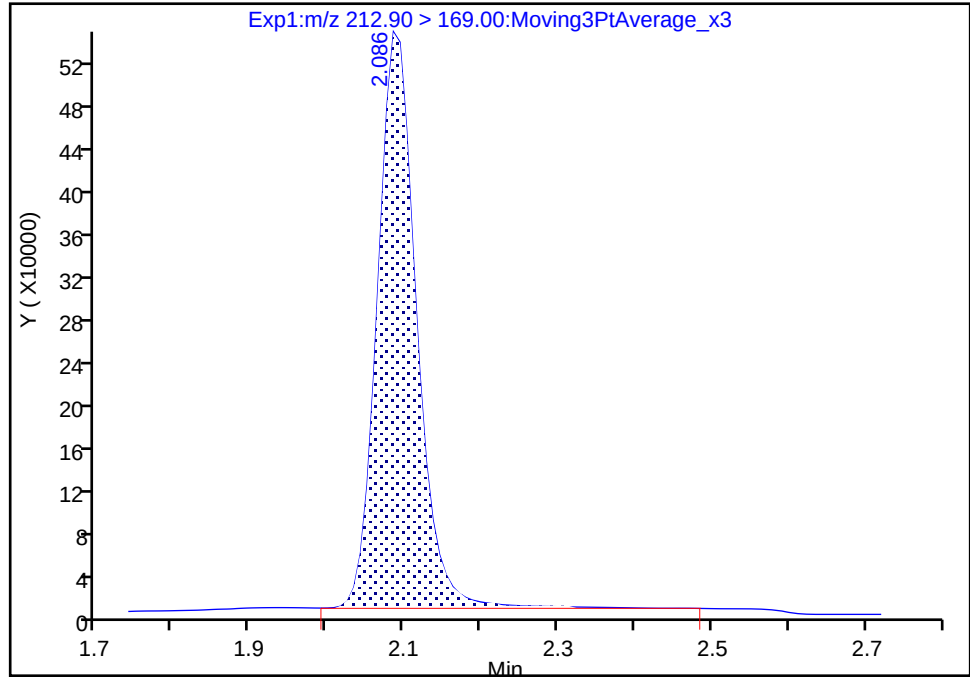
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B26.d
Injection Date: 19-Dec-2022 21:36:30 Instrument ID: LC812
Lims ID: 460-271307-A-4-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

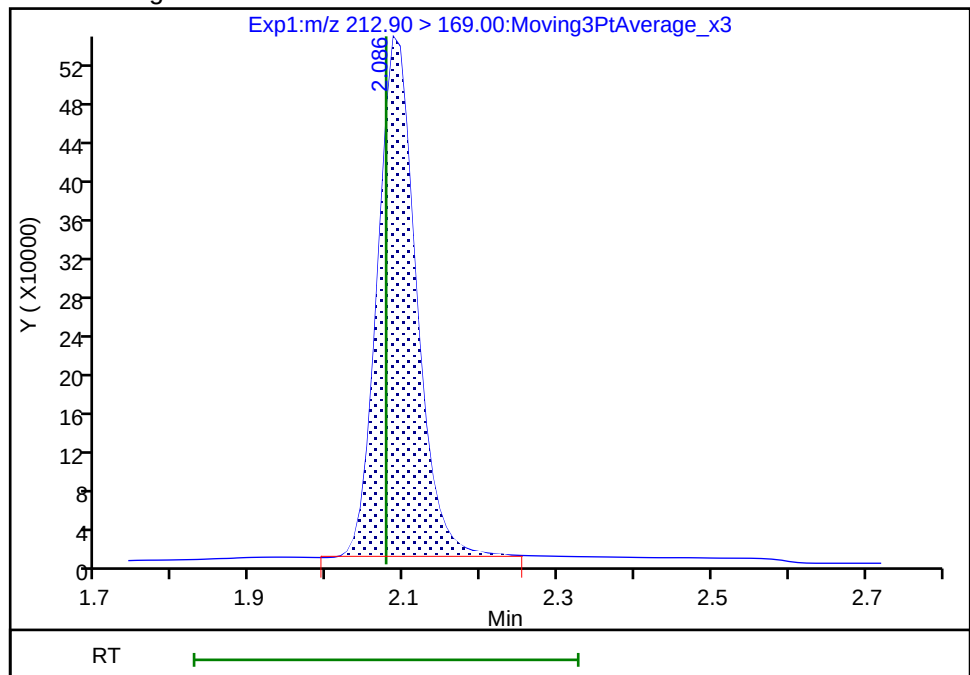
RT: 2.09
Area: 1891556
Amount: 0.988507
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 1879254
Amount: 0.982078
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:34:13

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

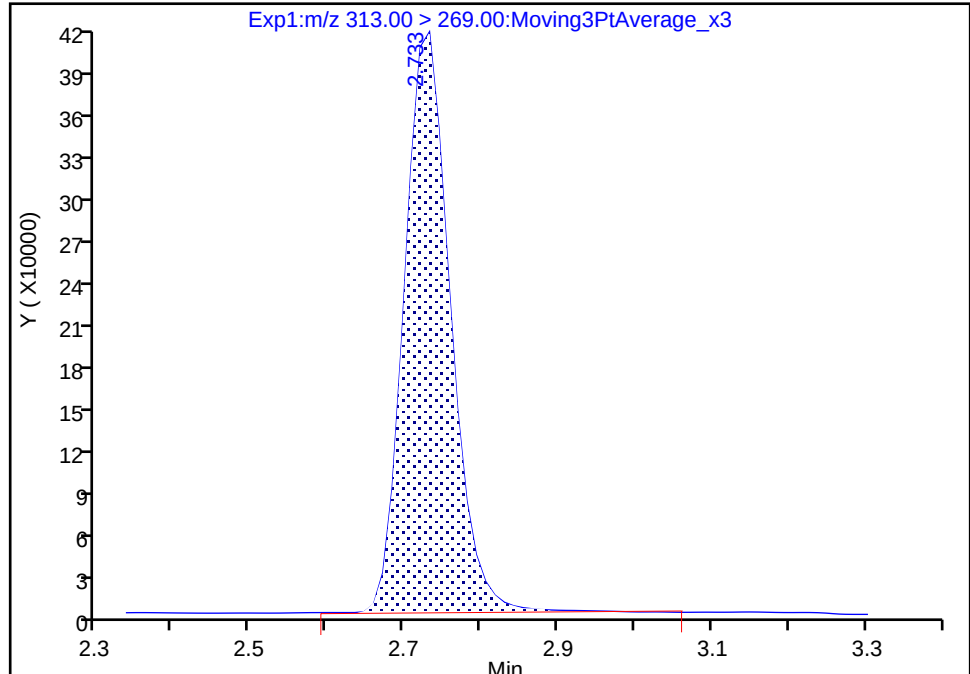
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B26.d
Injection Date: 19-Dec-2022 21:36:30 Instrument ID: LC812
Lims ID: 460-271307-A-4-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

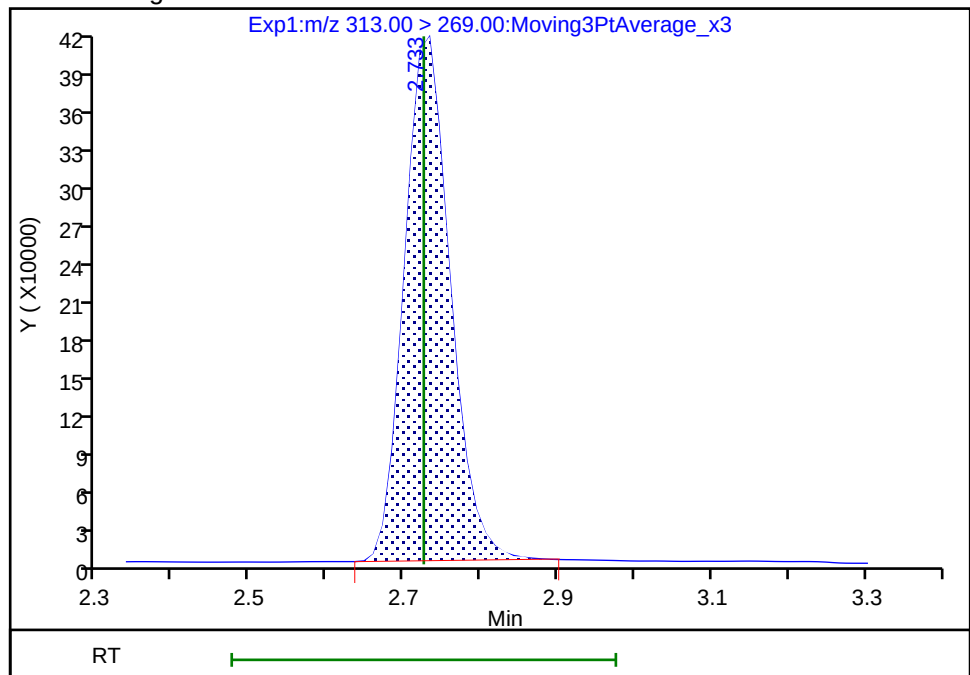
RT: 2.73
Area: 1719686
Amount: 0.954239
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 1700834
Amount: 0.943779
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:34:38

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

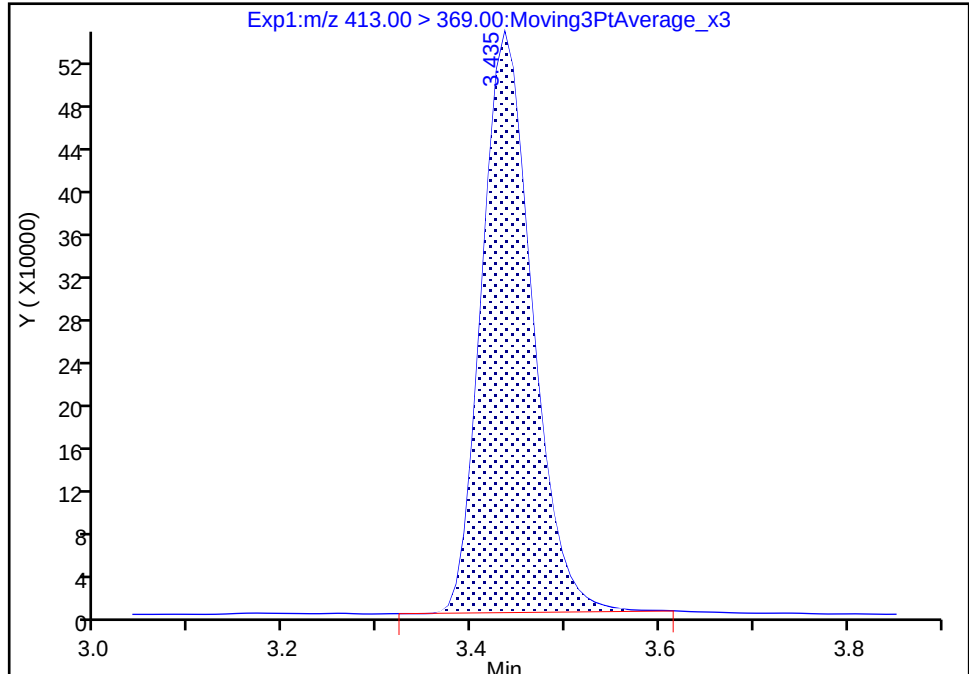
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B26.d
Injection Date: 19-Dec-2022 21:36:30 Instrument ID: LC812
Lims ID: 460-271307-A-4-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

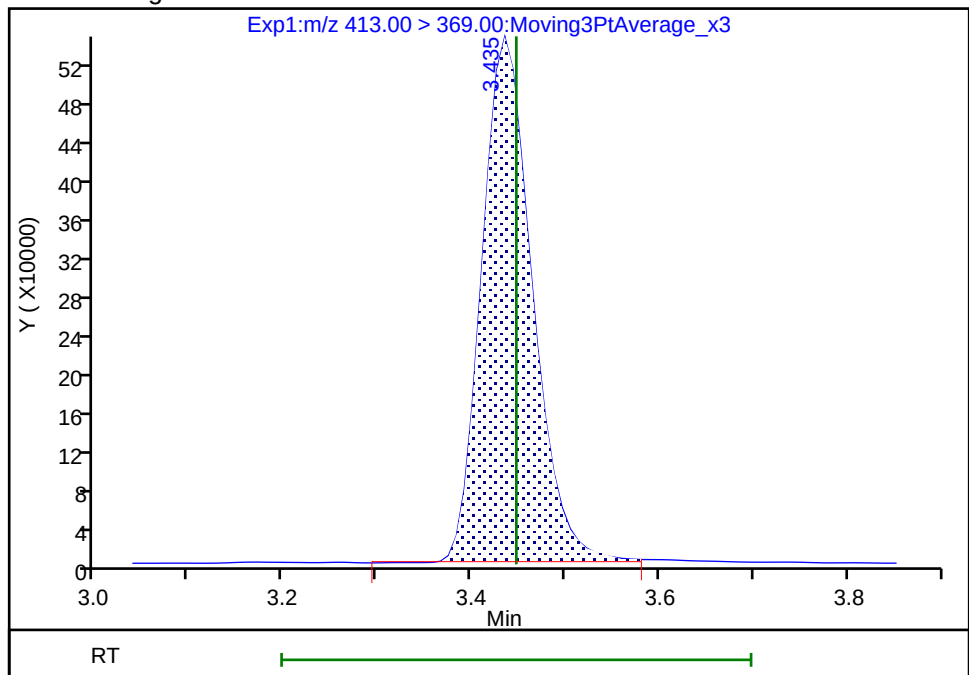
RT: 3.44
Area: 2031035
Amount: 0.969343
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 2046308
Amount: 0.976633
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:35:41

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B26.d

Injection Date: 19-Dec-2022 21:36:30

Instrument ID: LC812

Lims ID: 460-271307-A-4-C MSD

Client ID:

Operator ID: lc812tech

ALS Bottle#:

26

Worklist Smp#: 26

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

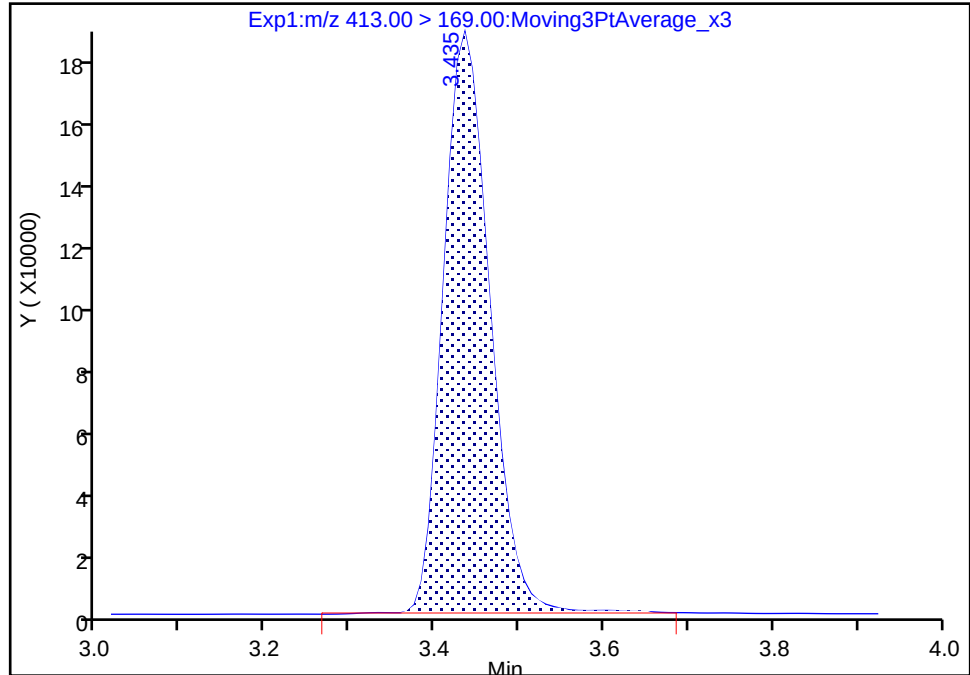
EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

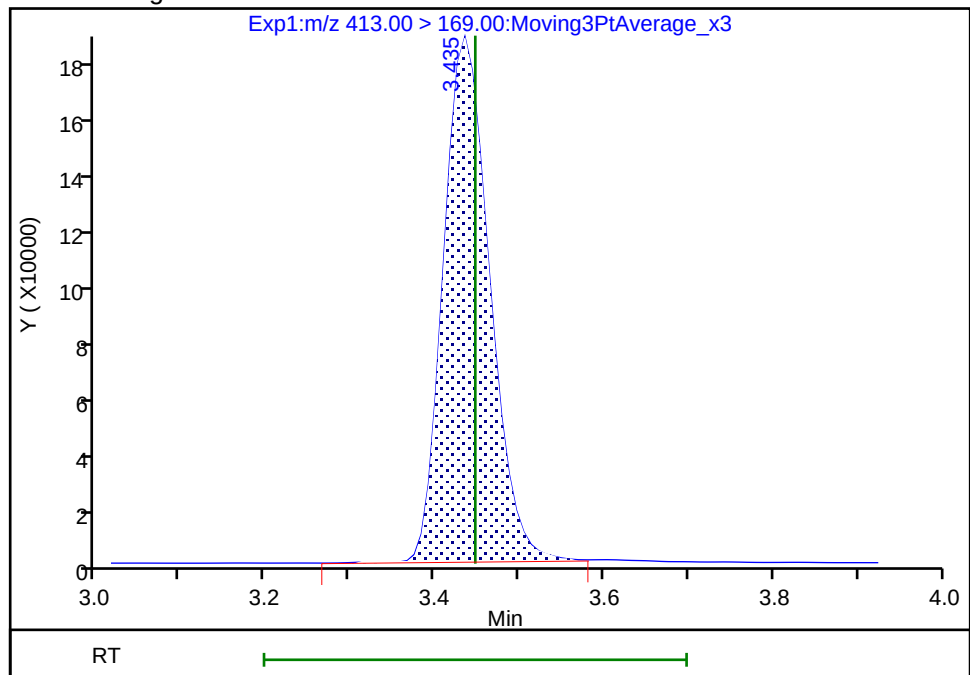
RT: 3.44
Area: 727434
Amount: 0.969343
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 724397
Amount: 0.976633
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:35:49

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

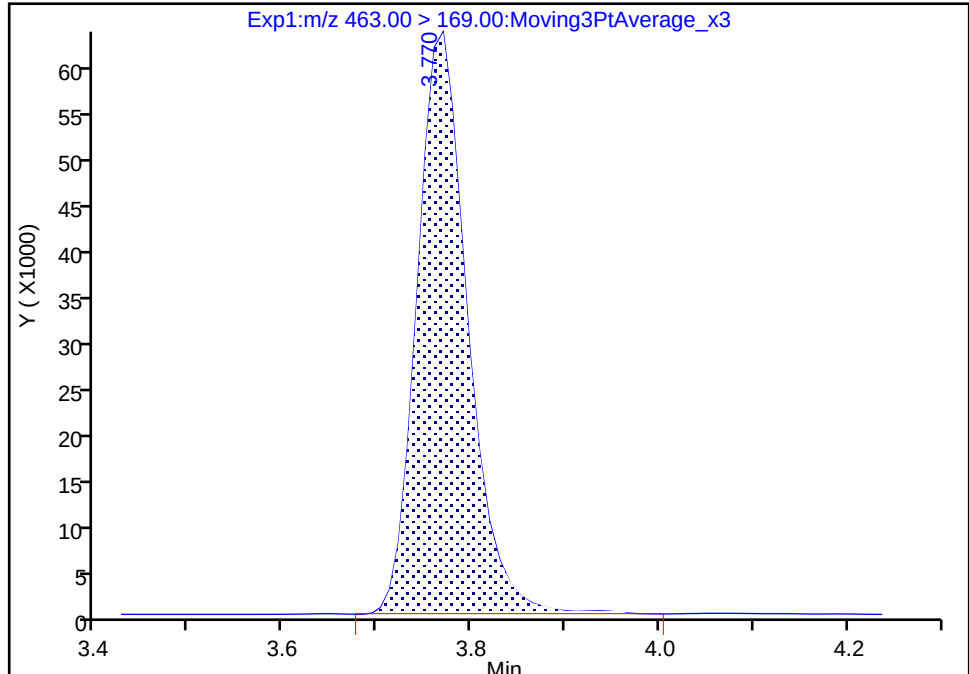
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B26.d
Injection Date: 19-Dec-2022 21:36:30 Instrument ID: LC812
Lims ID: 460-271307-A-4-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

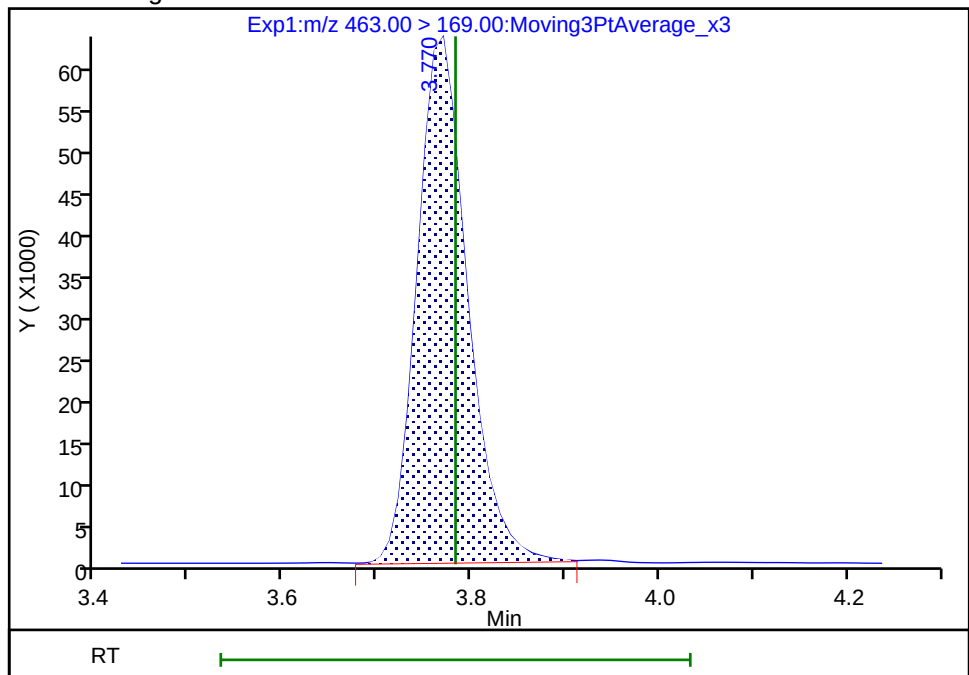
RT: 3.77
Area: 237785
Amount: 0.976588
Amount Units: ng/ml

Processing Integration Results



RT: 3.77
Area: 234738
Amount: 0.976588
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:36:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B26.d

Injection Date: 19-Dec-2022 21:36:30

Instrument ID: LC812

Lims ID: 460-271307-A-4-C MSD

Client ID:

Operator ID: lc812tech

ALS Bottle#:

26

Worklist Smp#: 26

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

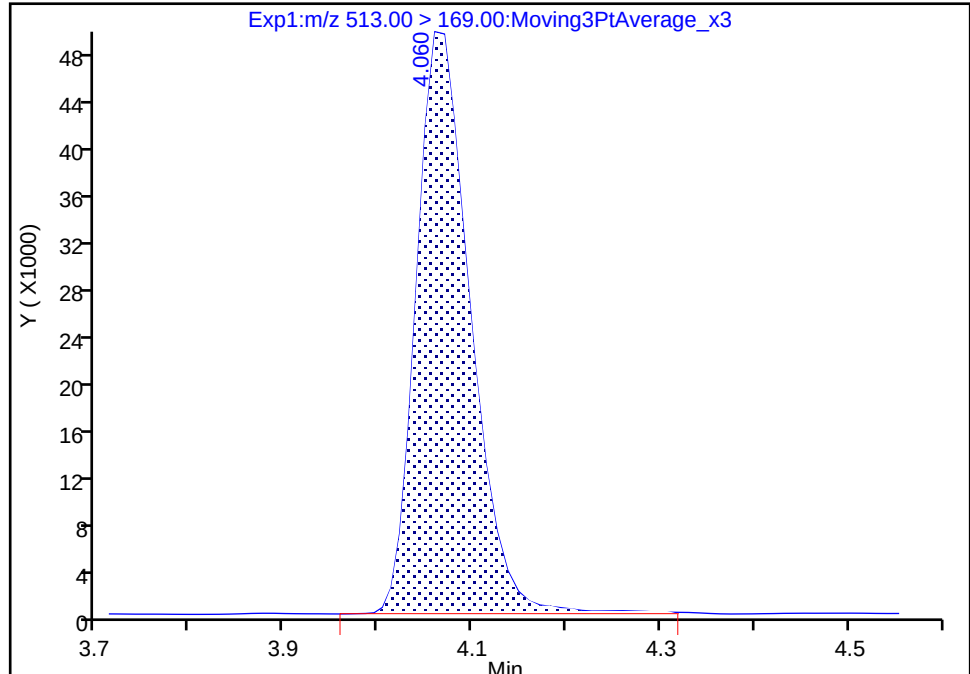
EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

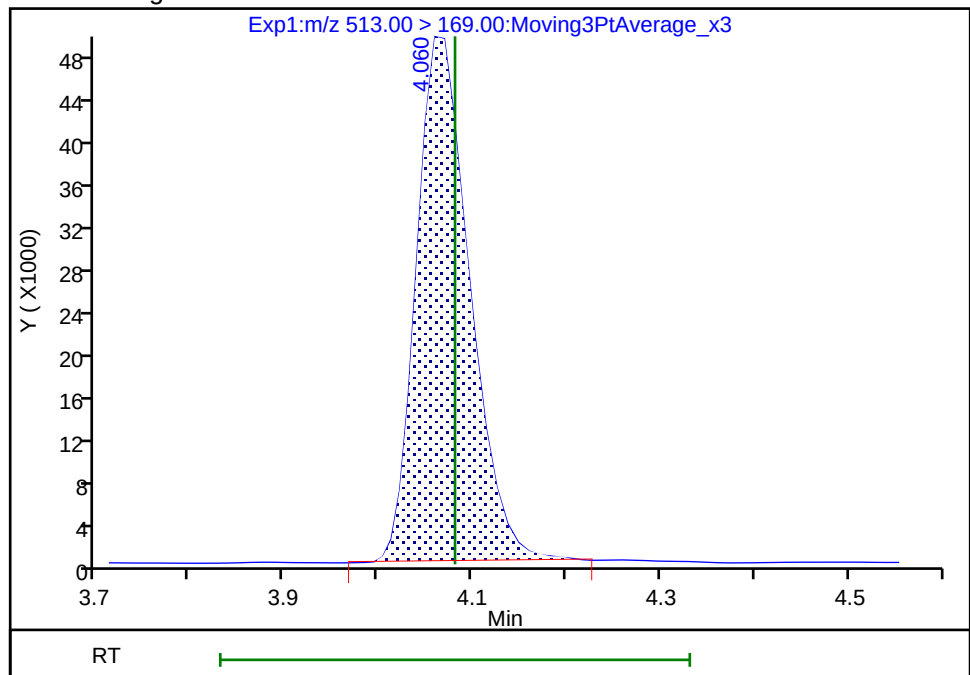
RT: 4.06
Area: 198029
Amount: 0.927835
Amount Units: ng/ml

Processing Integration Results



RT: 4.06
Area: 196325
Amount: 0.927835
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:36:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

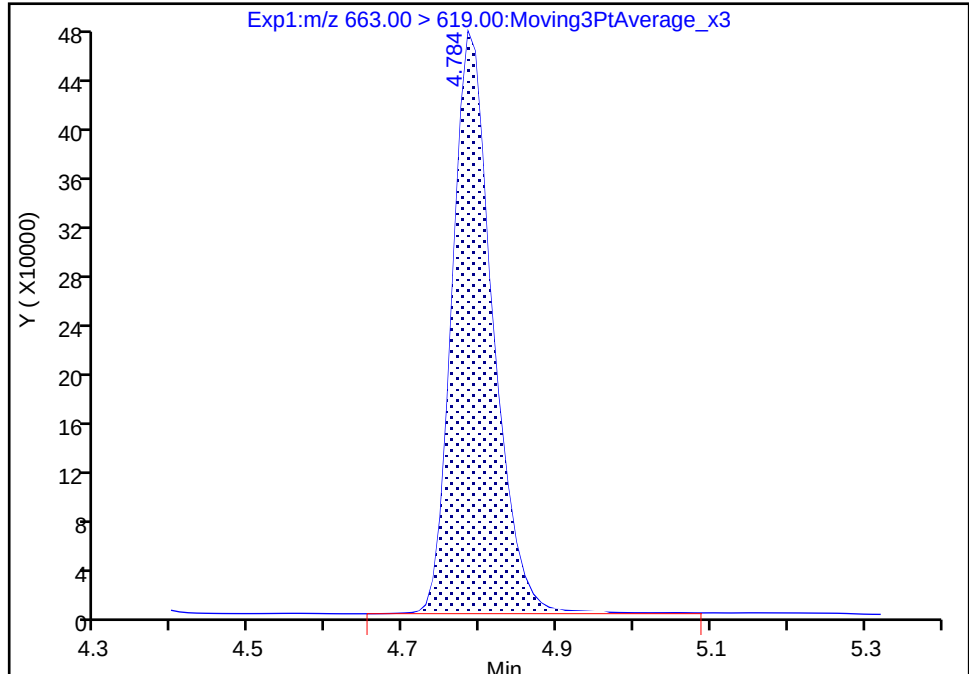
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B26.d
Injection Date: 19-Dec-2022 21:36:30 Instrument ID: LC812
Lims ID: 460-271307-A-4-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

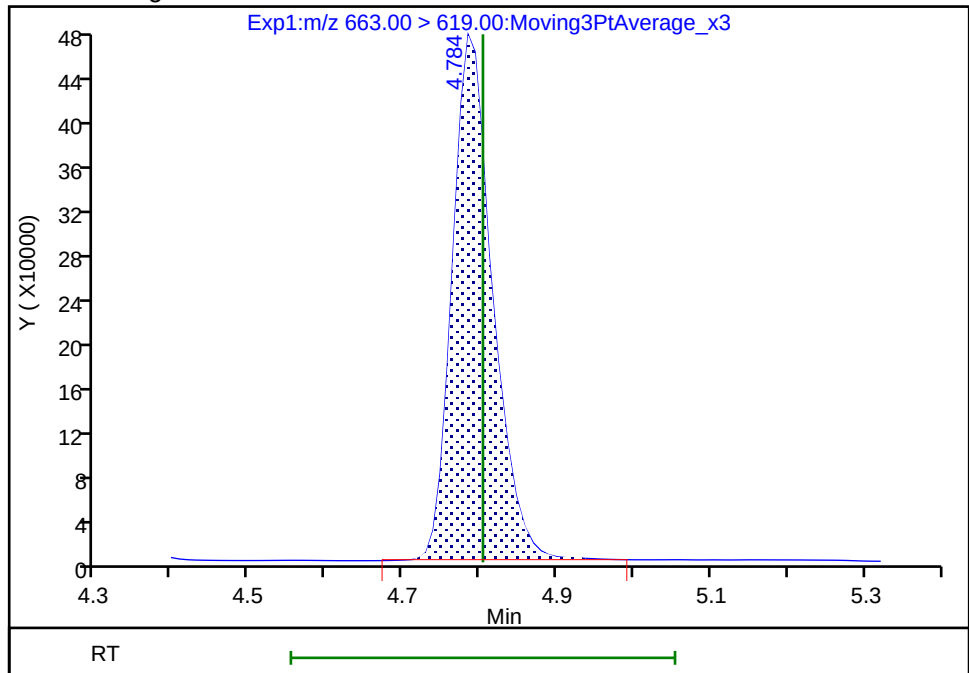
RT: 4.78
Area: 1721835
Amount: 0.937355
Amount Units: ng/ml

Processing Integration Results



RT: 4.78
Area: 1716404
Amount: 0.934398
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:37:28

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

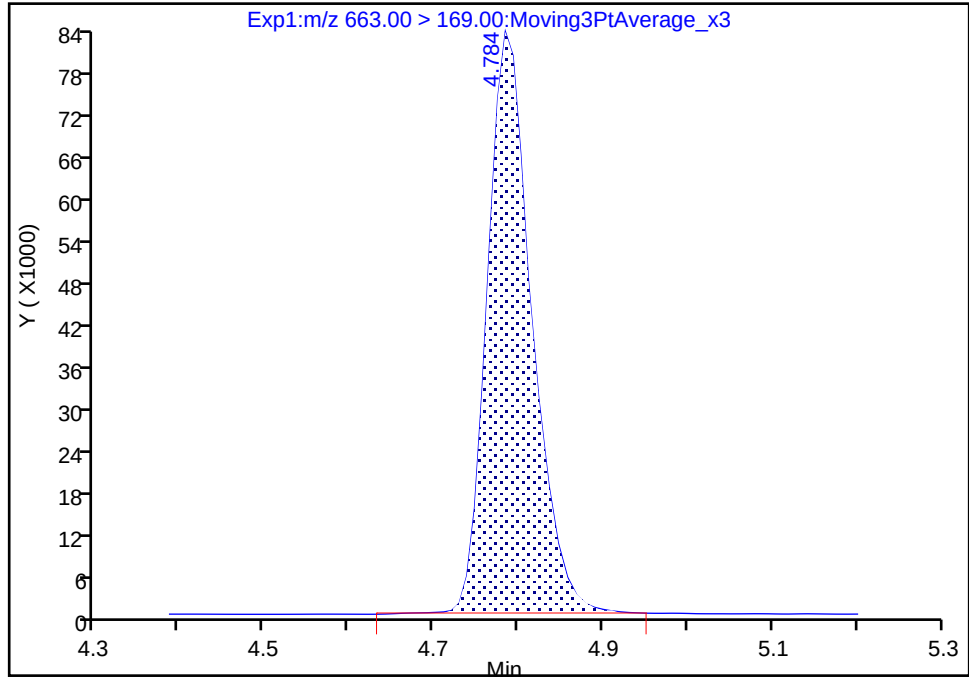
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B26.d
Injection Date: 19-Dec-2022 21:36:30 Instrument ID: LC812
Lims ID: 460-271307-A-4-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

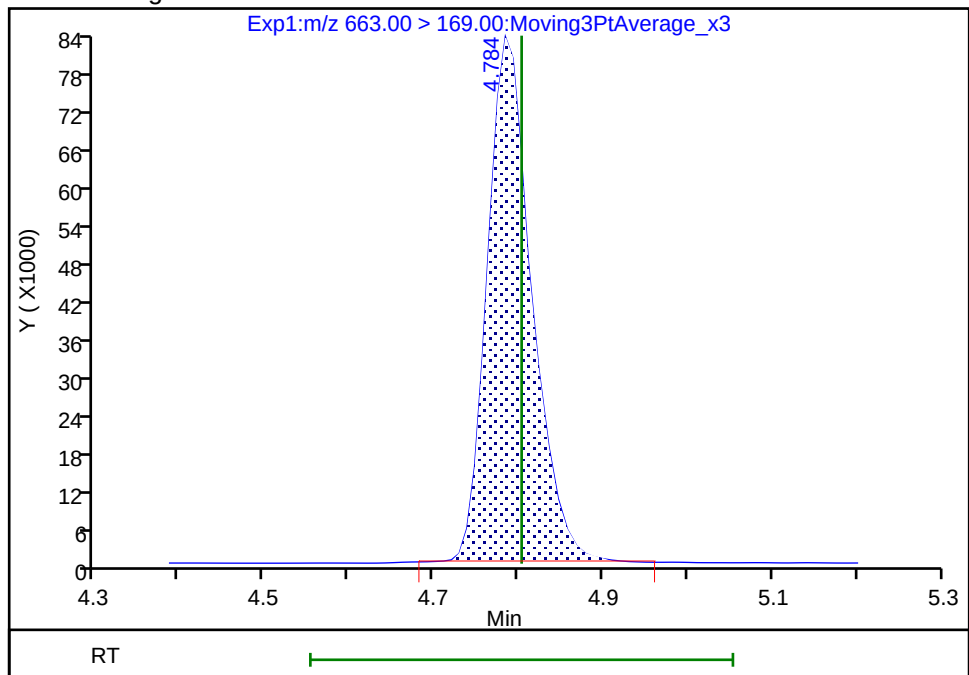
RT: 4.78
Area: 305070
Amount: 0.937355
Amount Units: ng/ml

Processing Integration Results



RT: 4.78
Area: 303569
Amount: 0.934398
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:37:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

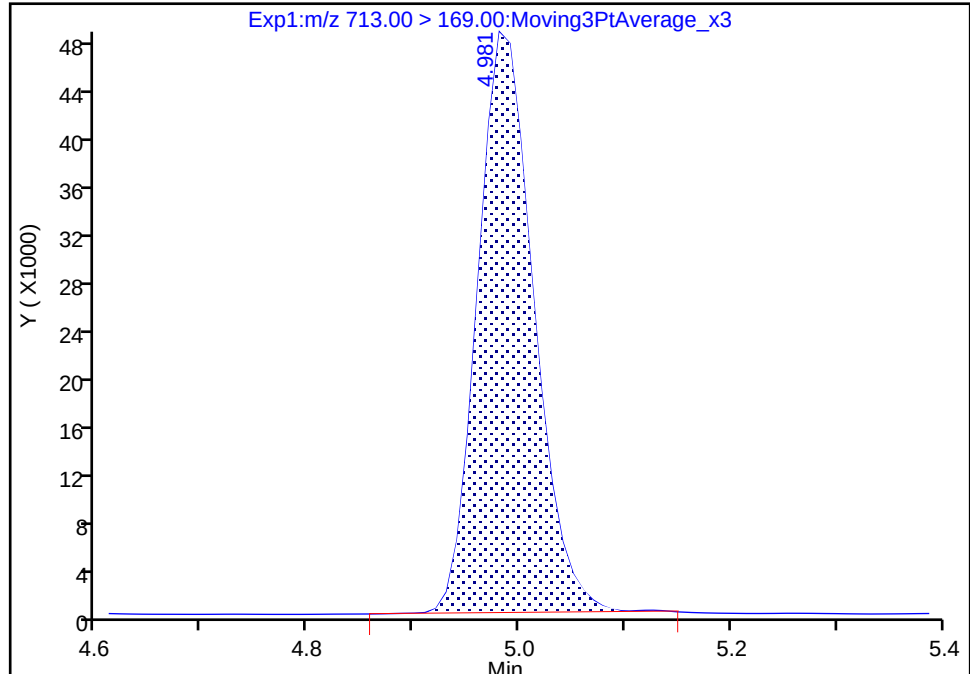
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B26.d
Injection Date: 19-Dec-2022 21:36:30 Instrument ID: LC812
Lims ID: 460-271307-A-4-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

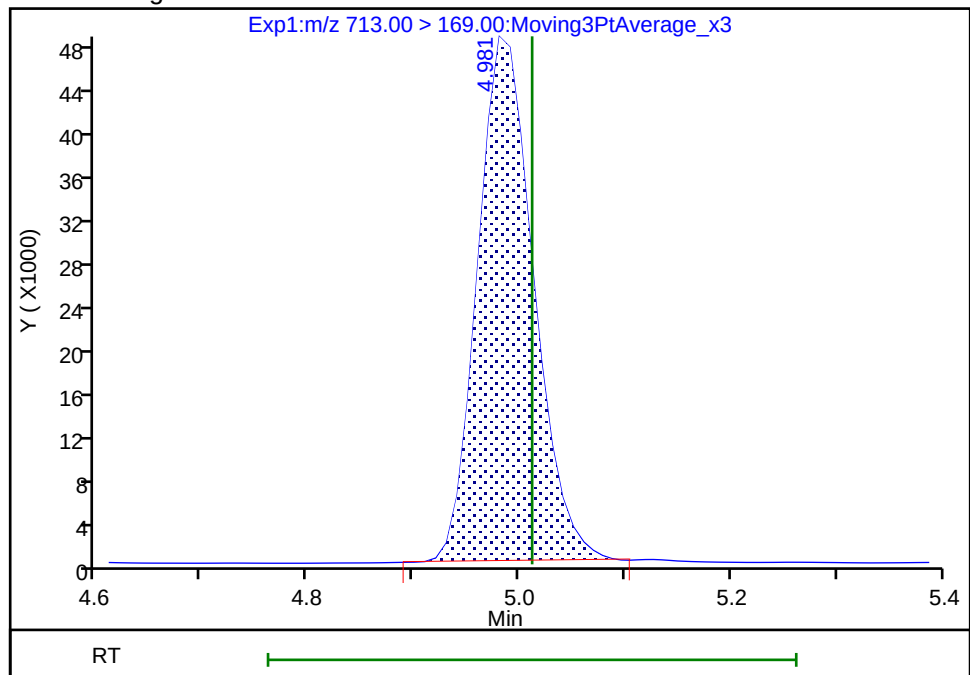
RT: 4.98
Area: 178586
Amount: 0.938071
Amount Units: ng/ml

Processing Integration Results



RT: 4.98
Area: 177430
Amount: 0.931999
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:37:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B26.d

Injection Date: 19-Dec-2022 21:36:30

Instrument ID: LC812

Lims ID: 460-271307-A-4-C MSD

Client ID:

Operator ID: lc812tech

ALS Bottle#:

26

Worklist Smp#: 26

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

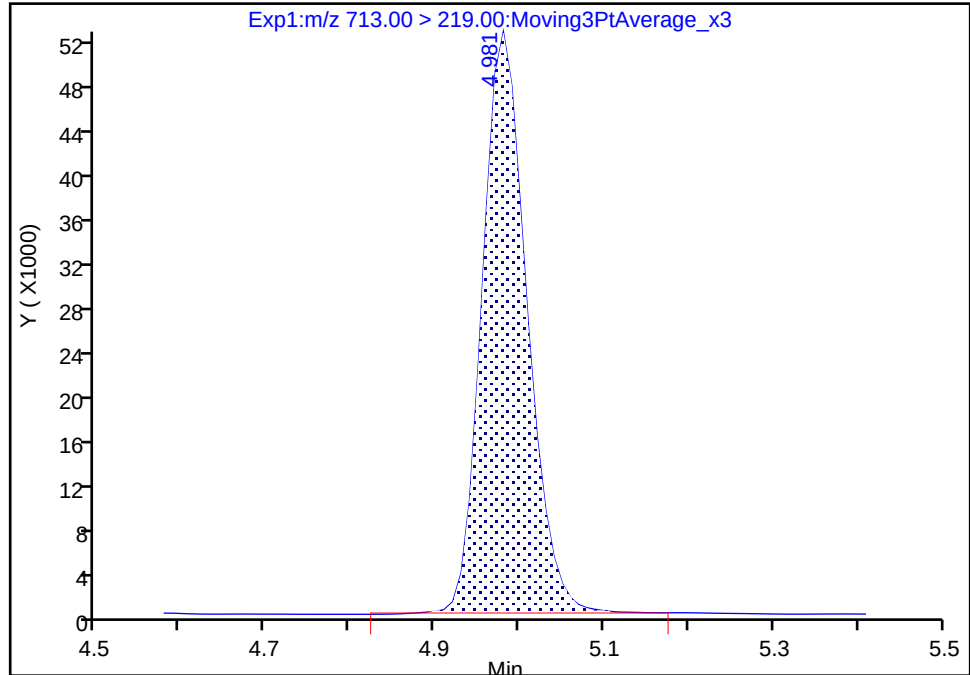
EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

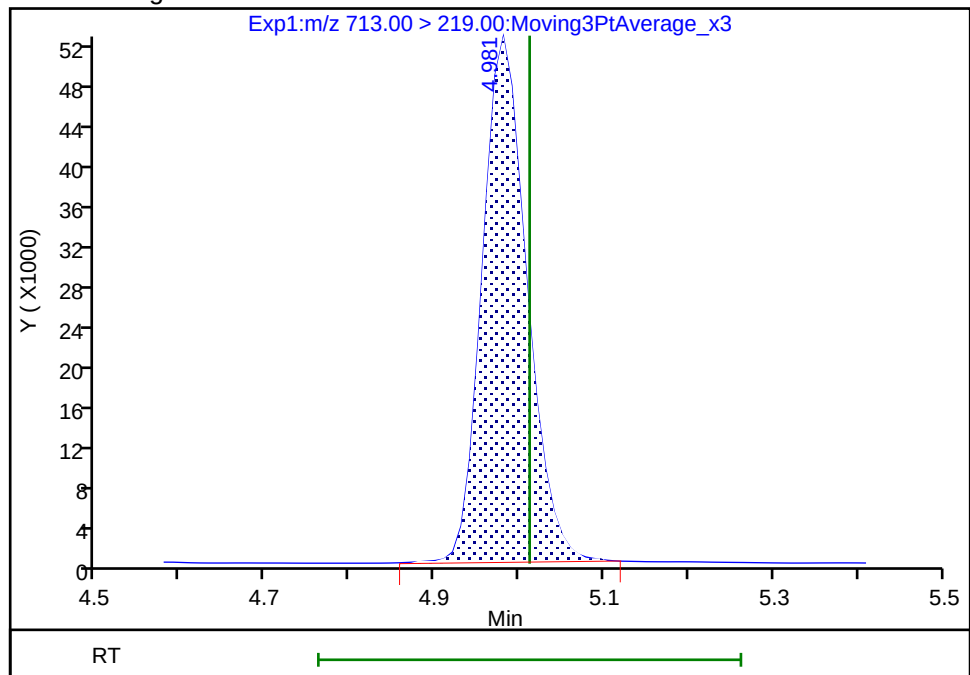
RT: 4.98
Area: 193431
Amount: 0.938071
Amount Units: ng/ml

Processing Integration Results



RT: 4.98
Area: 192371
Amount: 0.931999
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:37:44

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

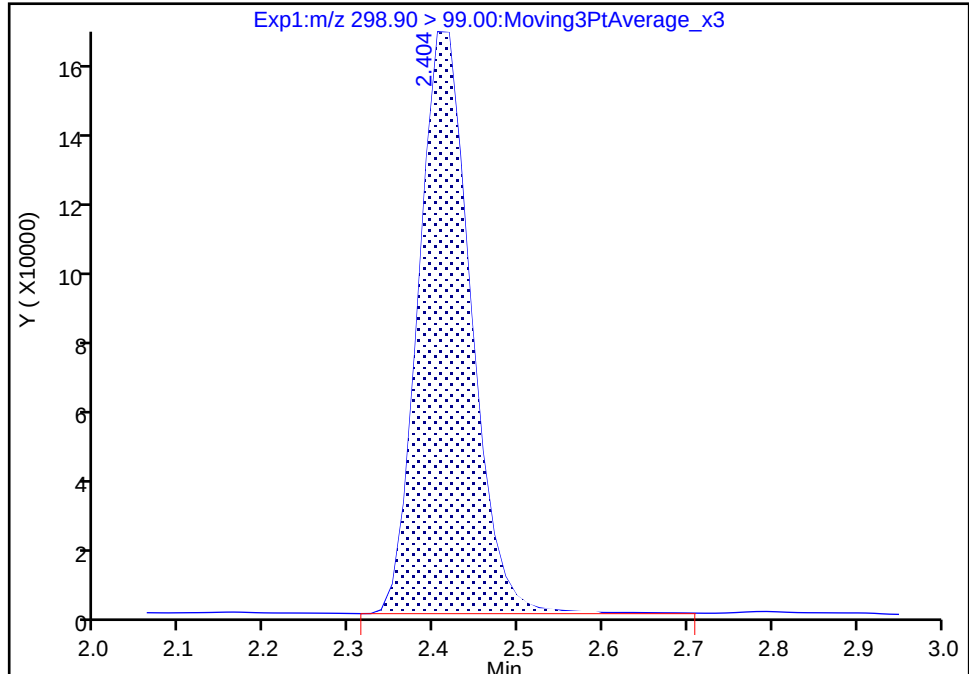
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B26.d
Injection Date: 19-Dec-2022 21:36:30 Instrument ID: LC812
Lims ID: 460-271307-A-4-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

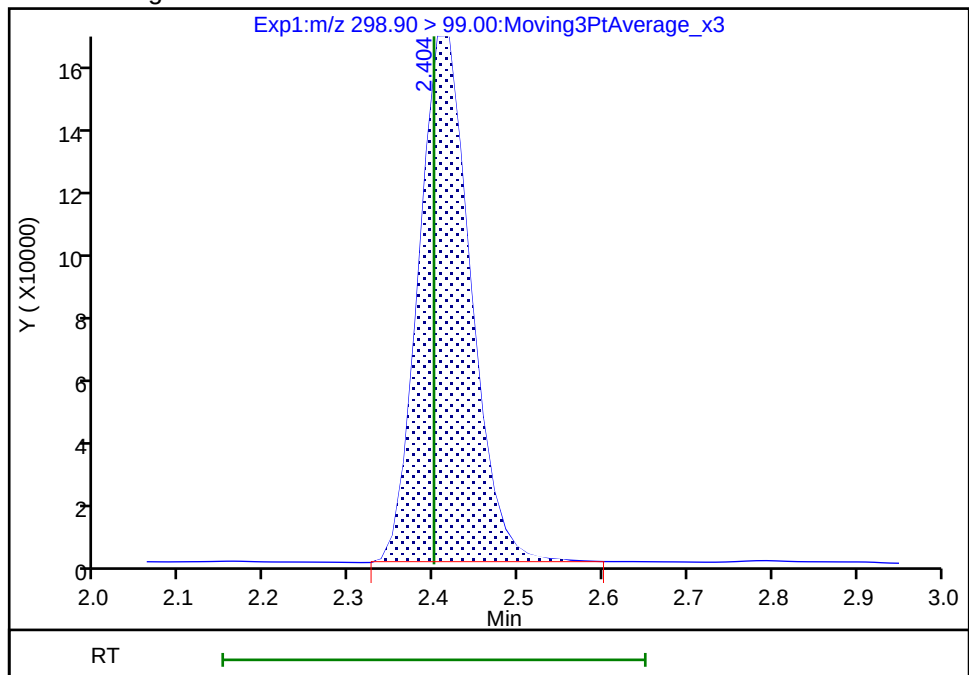
RT: 2.40
Area: 695014
Amount: 0.850319
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 692242
Amount: 0.846708
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:34:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B26.d

Injection Date: 19-Dec-2022 21:36:30

Instrument ID: LC812

Lims ID: 460-271307-A-4-C MSD

Client ID:

Operator ID: lc812tech

ALS Bottle#:

26

Worklist Smp#: 26

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

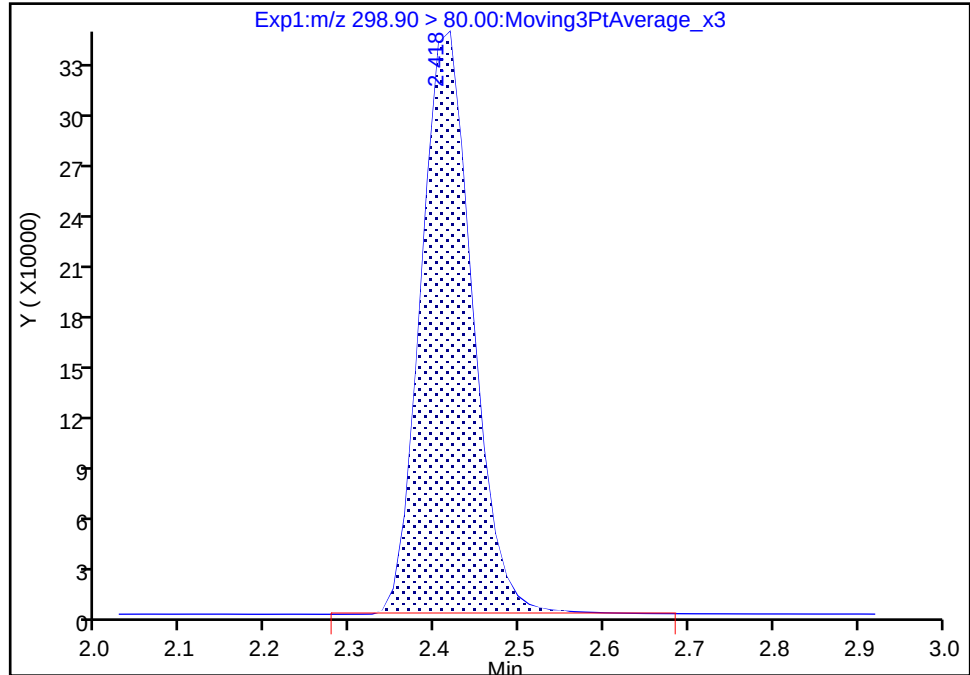
EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

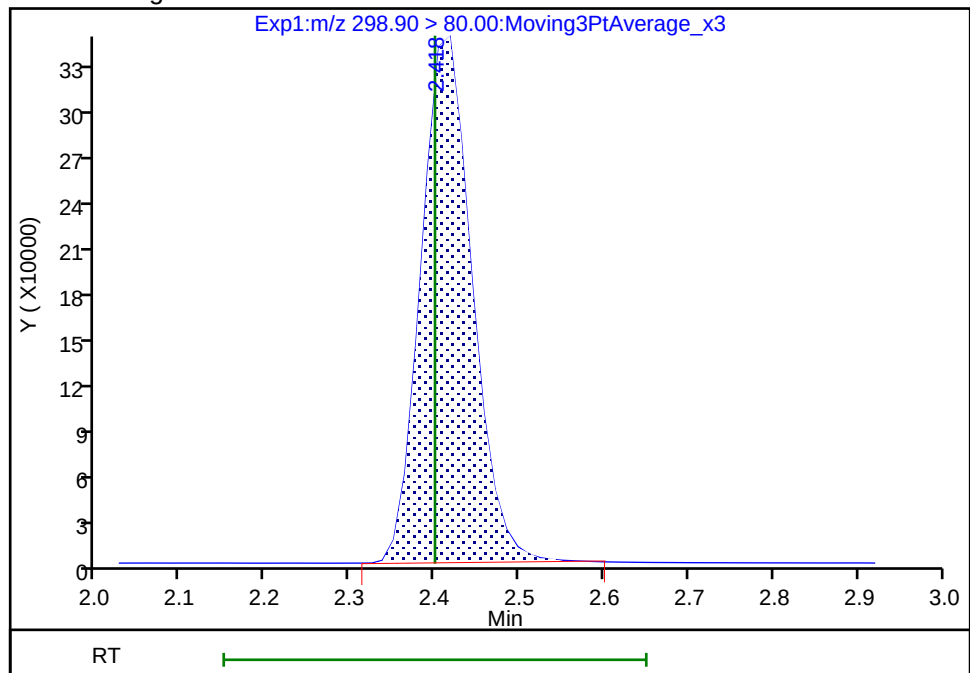
RT: 2.42
Area: 1447454
Amount: 0.850319
Amount Units: ng/ml

Processing Integration Results



RT: 2.42
Area: 1441307
Amount: 0.846708
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:34:30

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

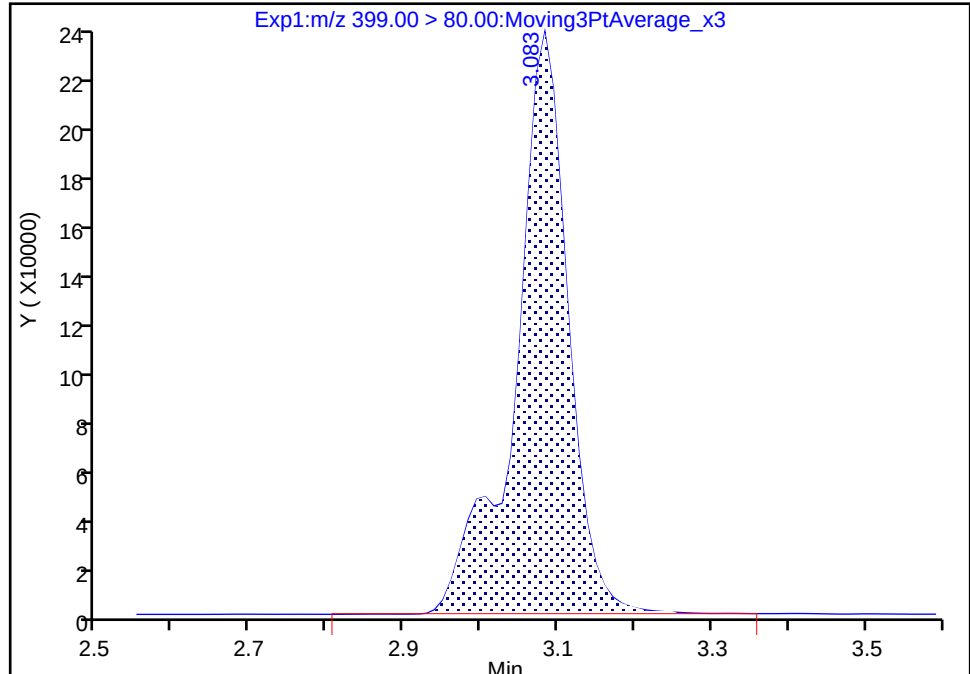
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B26.d
Injection Date: 19-Dec-2022 21:36:30 Instrument ID: LC812
Lims ID: 460-271307-A-4-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

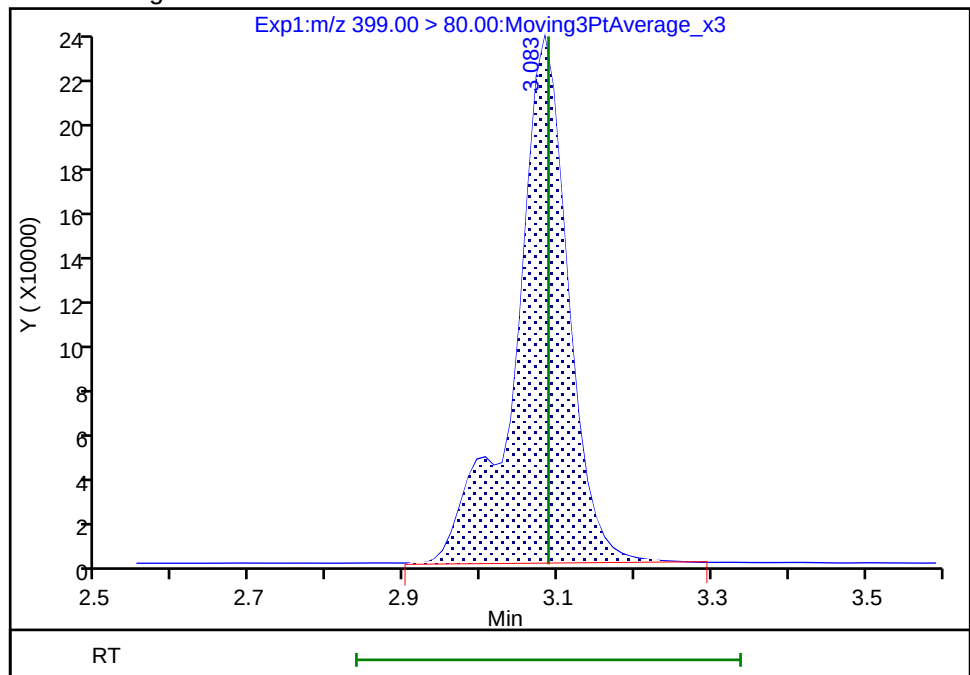
RT: 3.08
Area: 1126974
Amount: 0.862101
Amount Units: ng/ml

Processing Integration Results



RT: 3.08
Area: 1124599
Amount: 0.860284
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:35:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

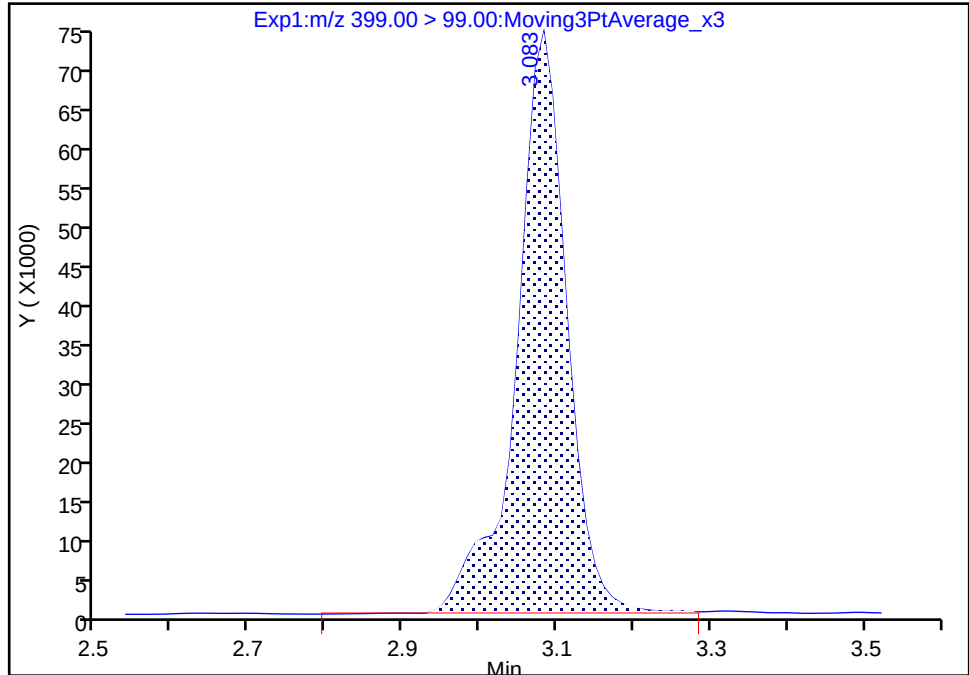
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B26.d
Injection Date: 19-Dec-2022 21:36:30 Instrument ID: LC812
Lims ID: 460-271307-A-4-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

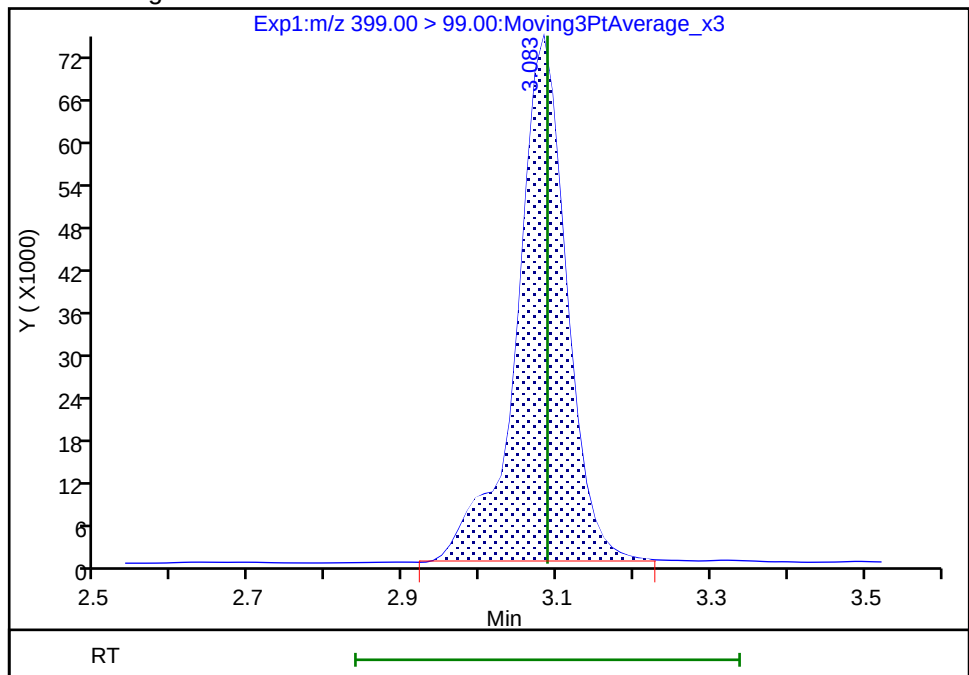
RT: 3.08
Area: 334605
Amount: 0.862101
Amount Units: ng/ml

Processing Integration Results



RT: 3.08
Area: 332015
Amount: 0.860284
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:35:05

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Page 986 of 1022

12/27/2022
2:52 PM

Eurofins Burlington

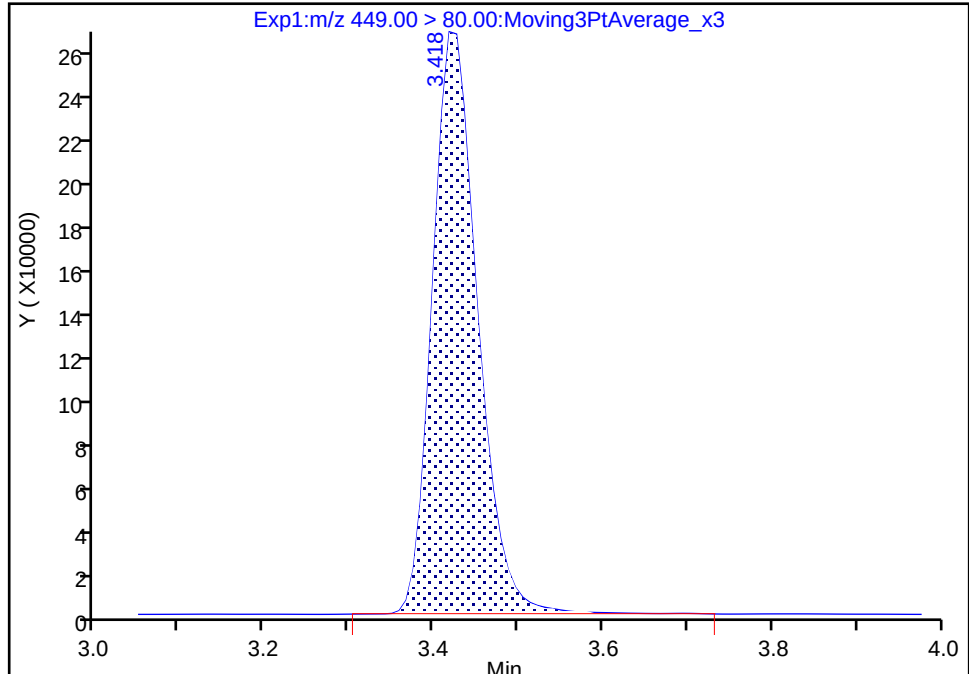
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B26.d
Injection Date: 19-Dec-2022 21:36:30 Instrument ID: LC812
Lims ID: 460-271307-A-4-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

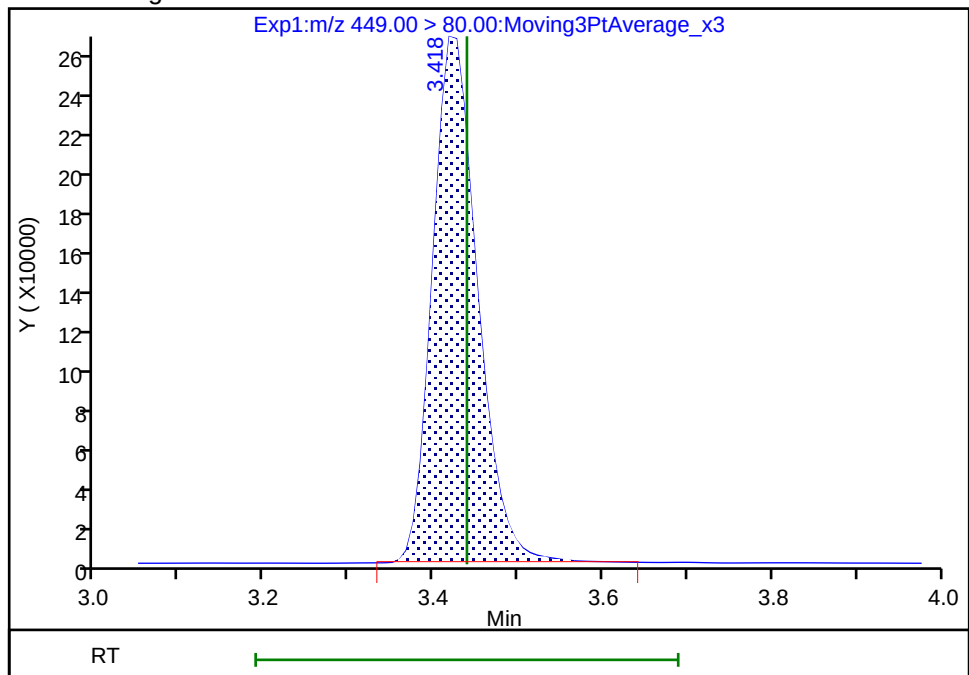
RT: 3.42
Area: 981098
Amount: 0.930799
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 976264
Amount: 0.926213
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:35:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B26.d

Injection Date: 19-Dec-2022 21:36:30

Instrument ID: LC812

Lims ID: 460-271307-A-4-C MSD

Client ID:

Operator ID: lc812tech

ALS Bottle#:

26

Worklist Smp#: 26

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

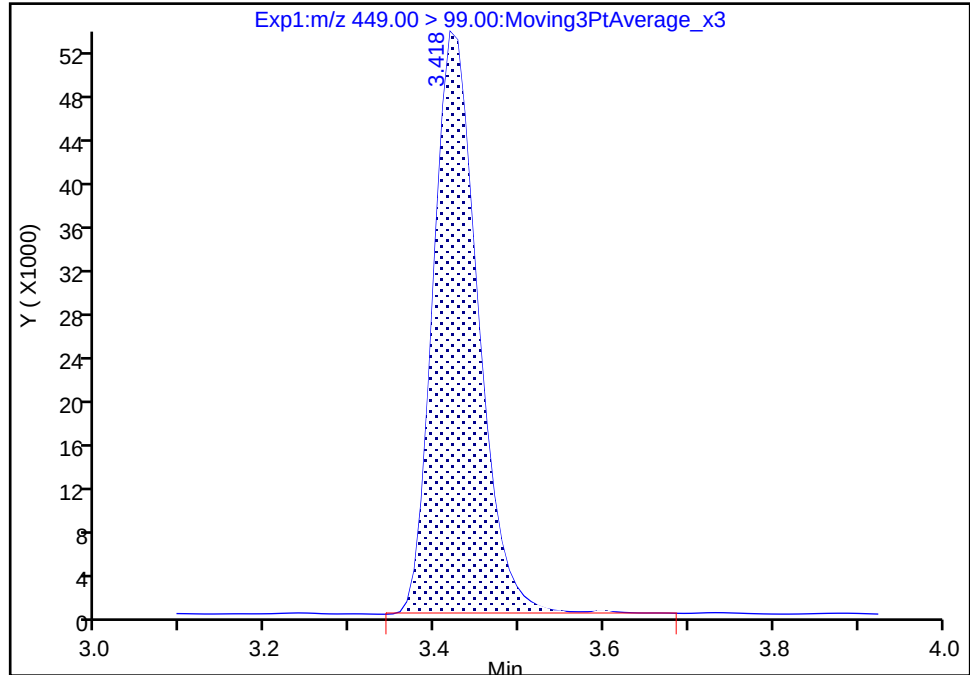
EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

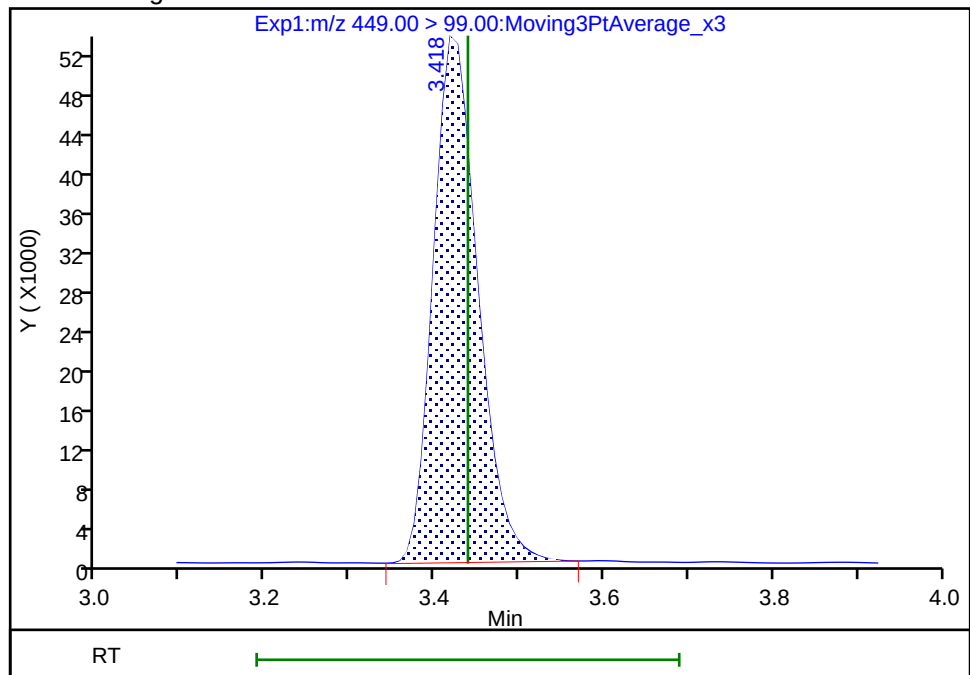
RT: 3.42
Area: 198804
Amount: 0.930799
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 196027
Amount: 0.926213
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:35:30

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

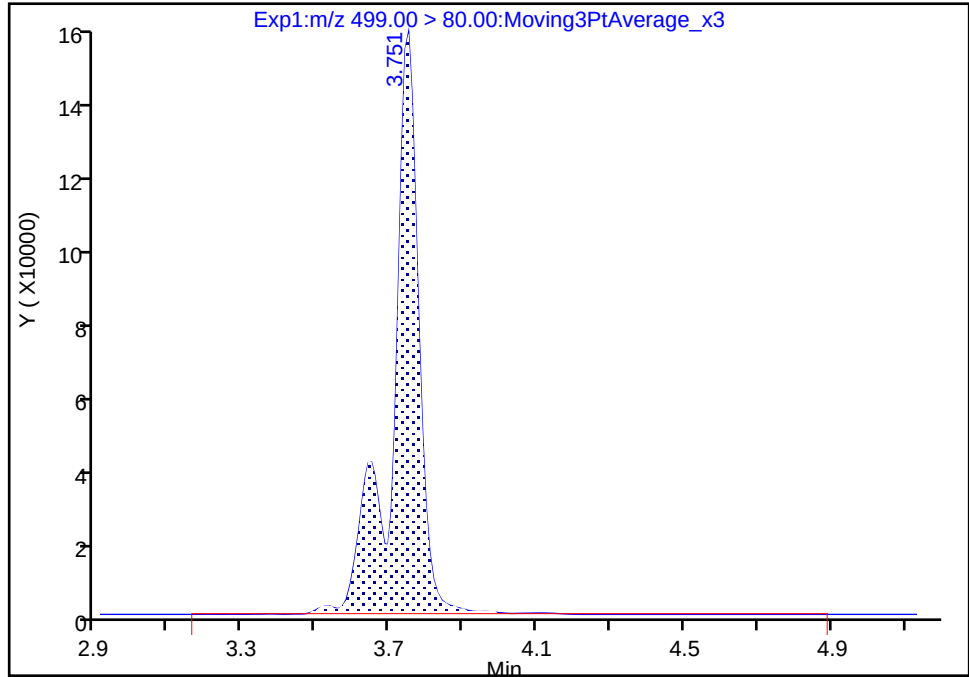
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B26.d
Injection Date: 19-Dec-2022 21:36:30 Instrument ID: LC812
Lims ID: 460-271307-A-4-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

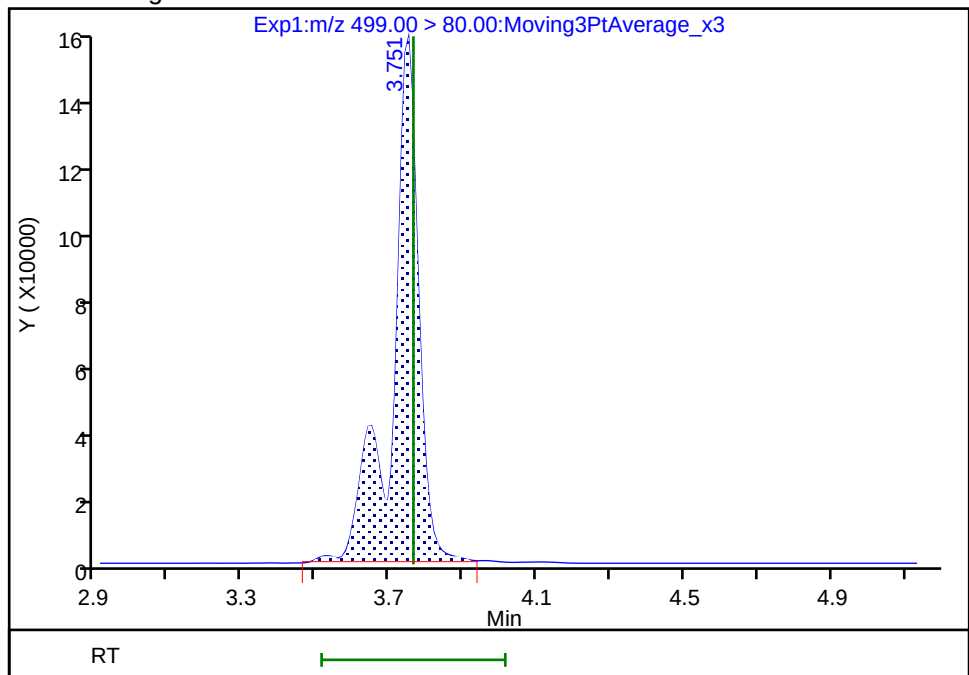
RT: 3.75
Area: 783688
Amount: 0.853911
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 765112
Amount: 0.833670
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:35:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B26.d

Injection Date: 19-Dec-2022 21:36:30

Instrument ID: LC812

Lims ID: 460-271307-A-4-C MSD

Client ID:

Operator ID: lc812tech

ALS Bottle#: 26

Worklist Smp#: 26

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

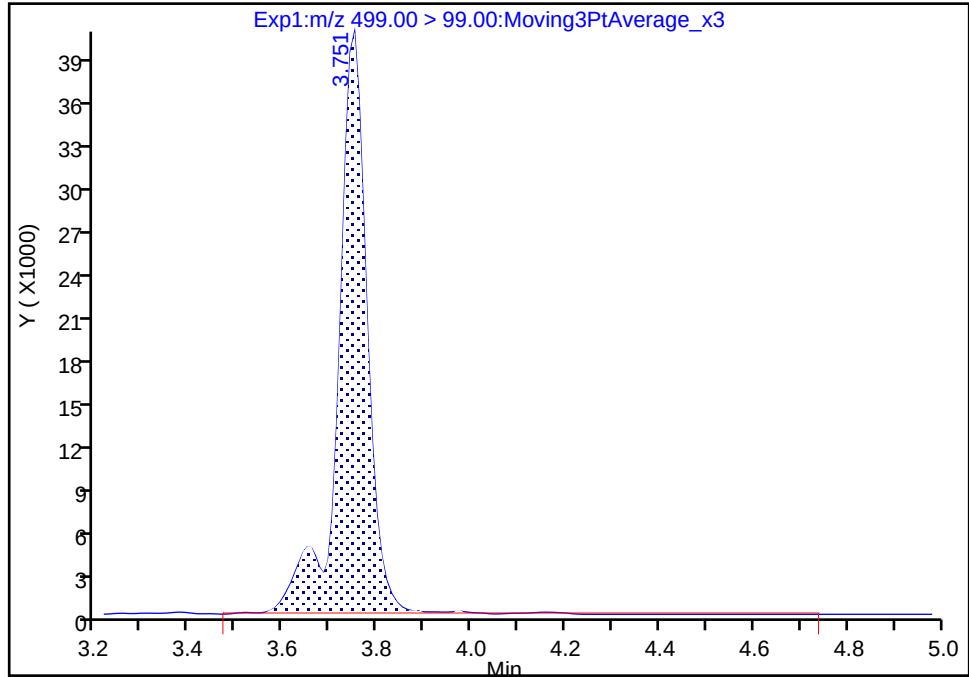
Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

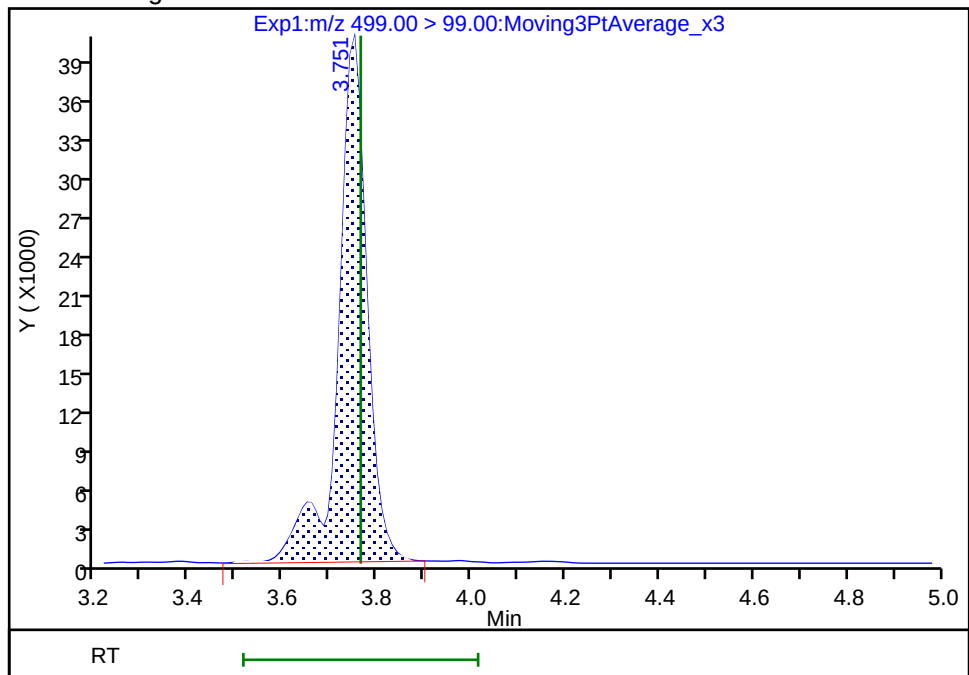
RT: 3.75
Area: 178034
Amount: 0.853911
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 173479
Amount: 0.833670
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:36:04

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

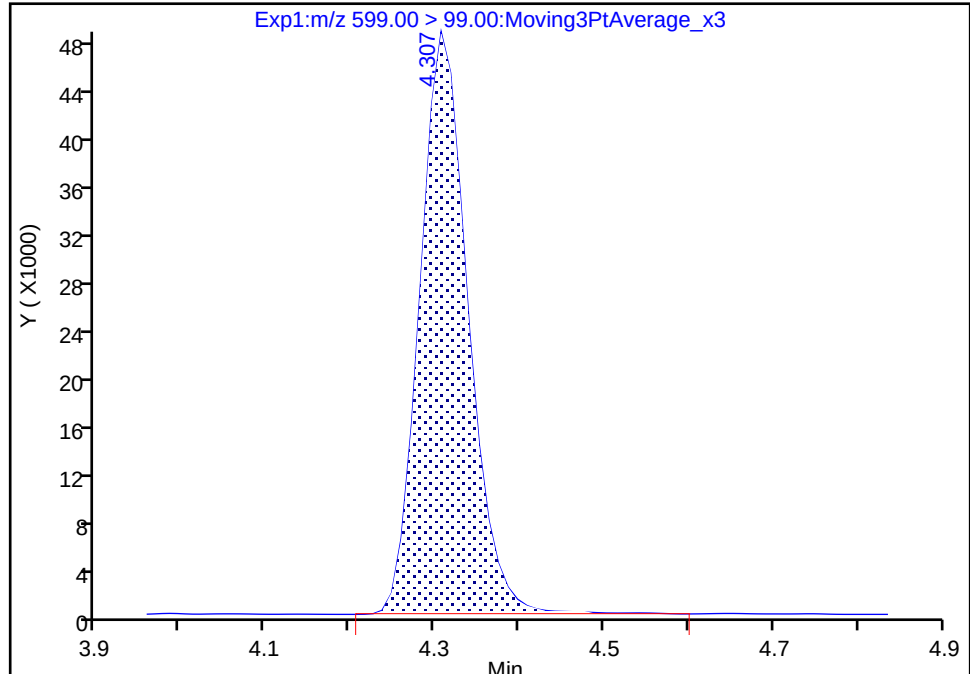
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B26.d
Injection Date: 19-Dec-2022 21:36:30 Instrument ID: LC812
Lims ID: 460-271307-A-4-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

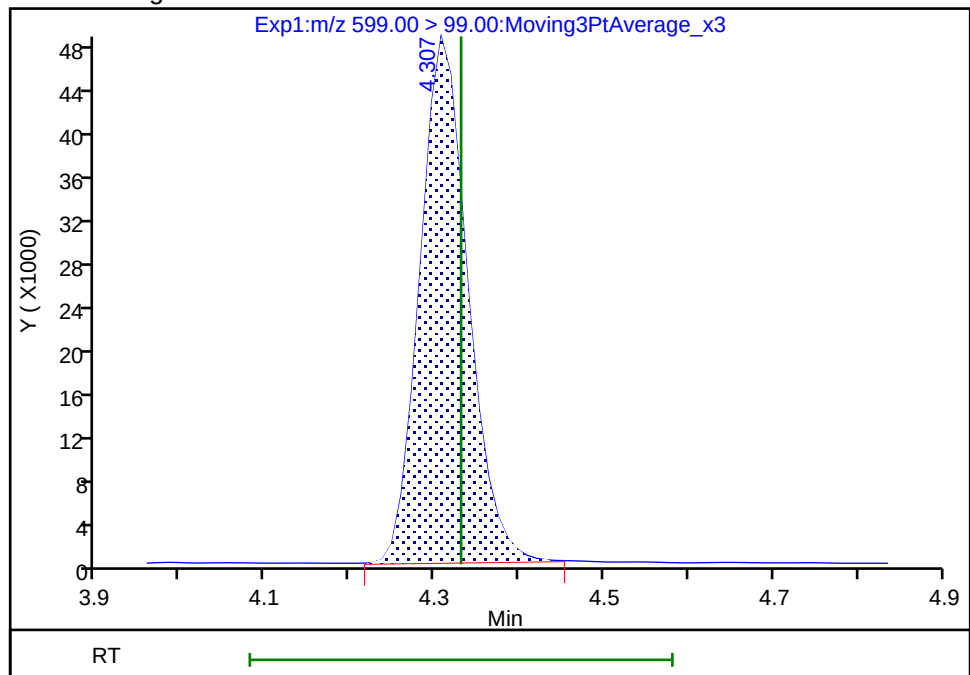
RT: 4.31
Area: 192153
Amount: 0.926358
Amount Units: ng/ml

Processing Integration Results



RT: 4.31
Area: 189305
Amount: 0.926358
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:36:52

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

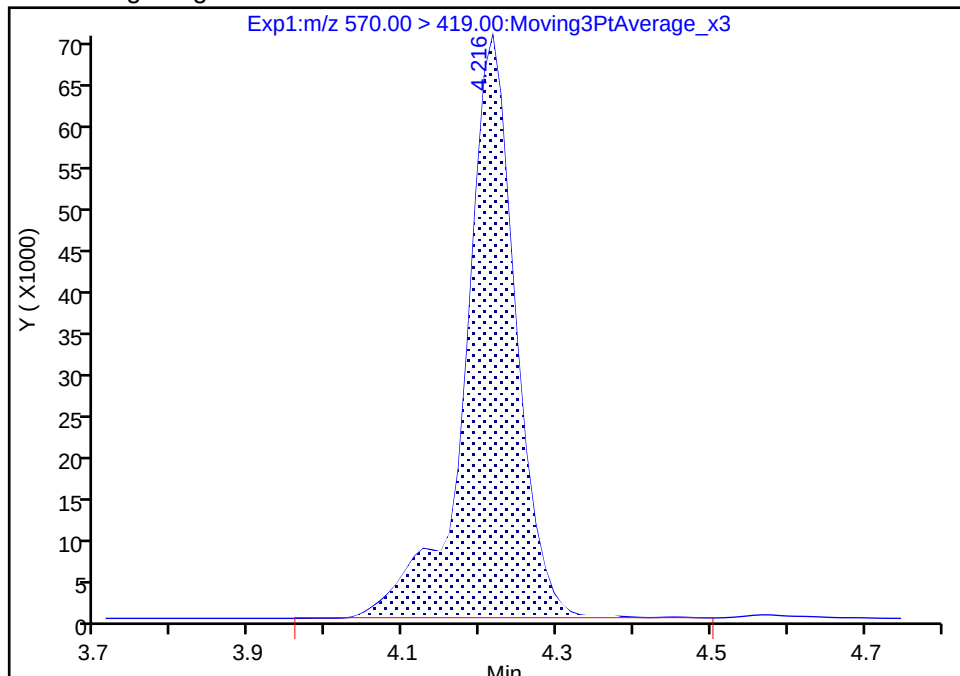
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B26.d
Injection Date: 19-Dec-2022 21:36:30 Instrument ID: LC812
Lims ID: 460-271307-A-4-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

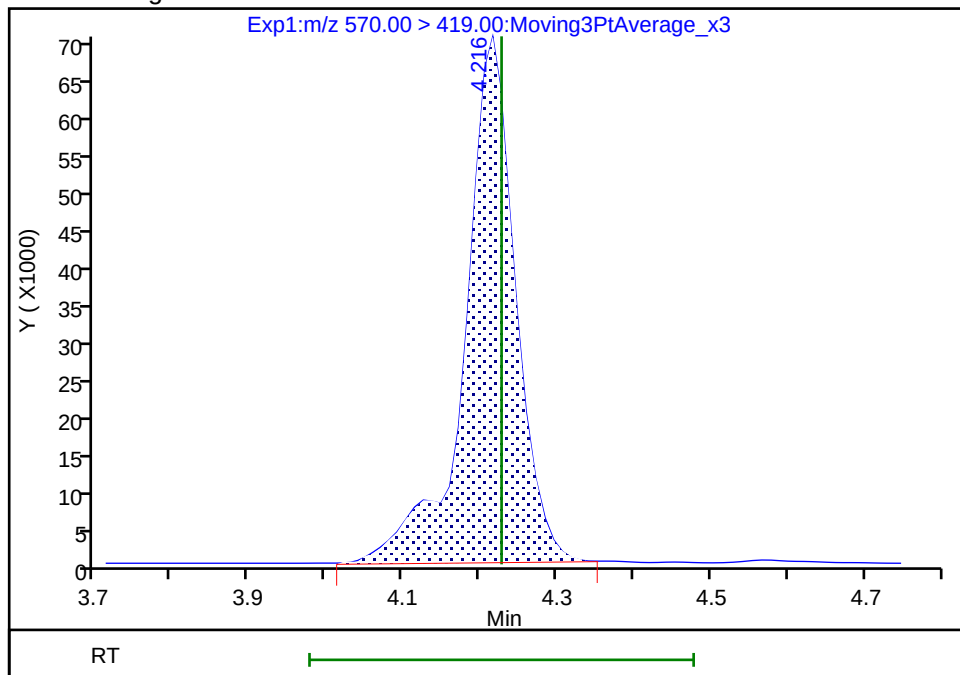
RT: 4.22
Area: 326310
Amount: 1.026464
Amount Units: ng/ml

Processing Integration Results



RT: 4.22
Area: 322272
Amount: 1.013618
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 22-Dec-2022 09:35:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

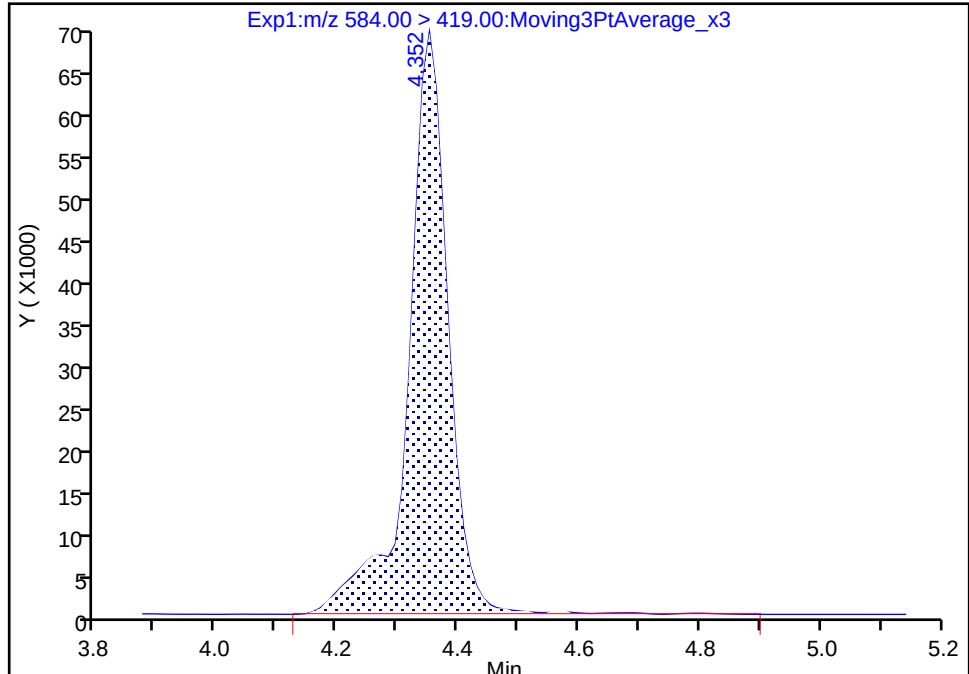
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B26.d
Injection Date: 19-Dec-2022 21:36:30 Instrument ID: LC812
Lims ID: 460-271307-A-4-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

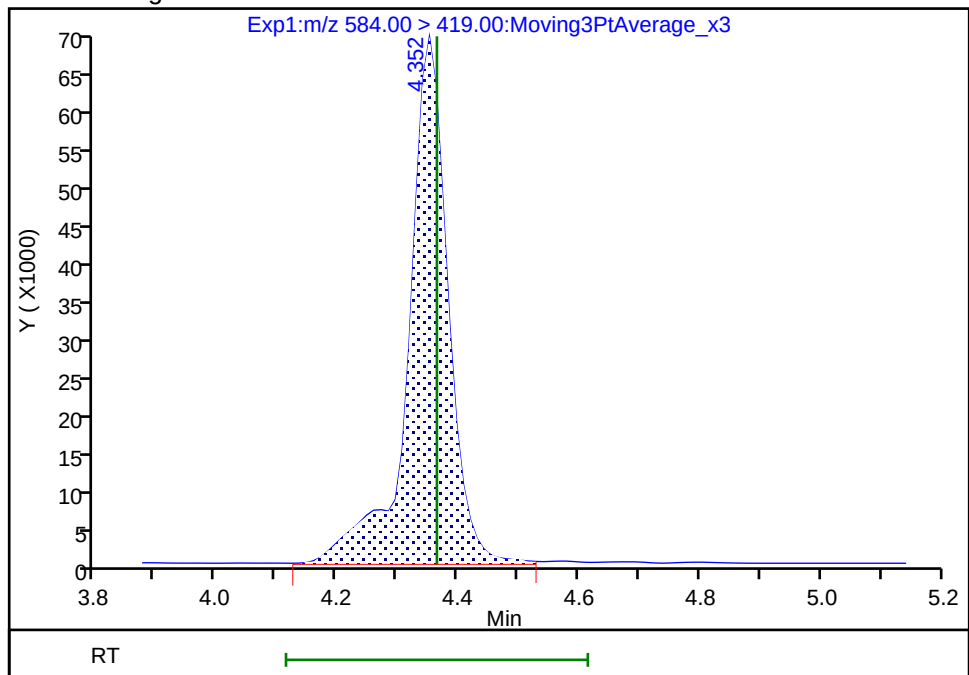
RT: 4.35
Area: 322311
Amount: 0.951761
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 319509
Amount: 0.943487
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:36:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B26.d

Injection Date: 19-Dec-2022 21:36:30

Instrument ID: LC812

Lims ID: 460-271307-A-4-C MSD

Client ID:

Operator ID: lc812tech

ALS Bottle#:

26

Worklist Smp#: 26

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

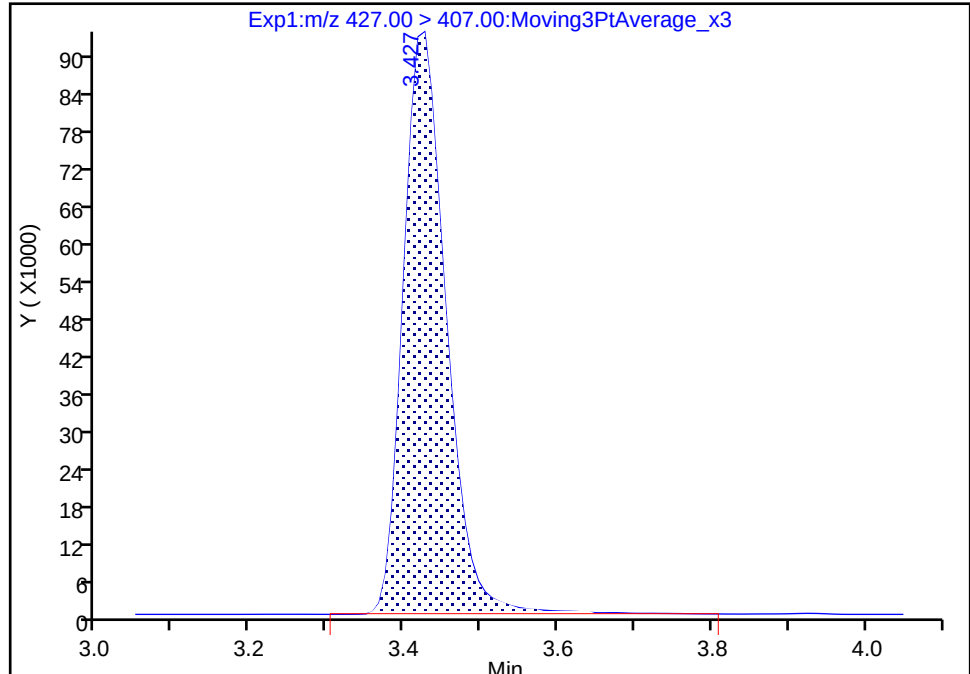
Detector: EXP1

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

Signal: 1

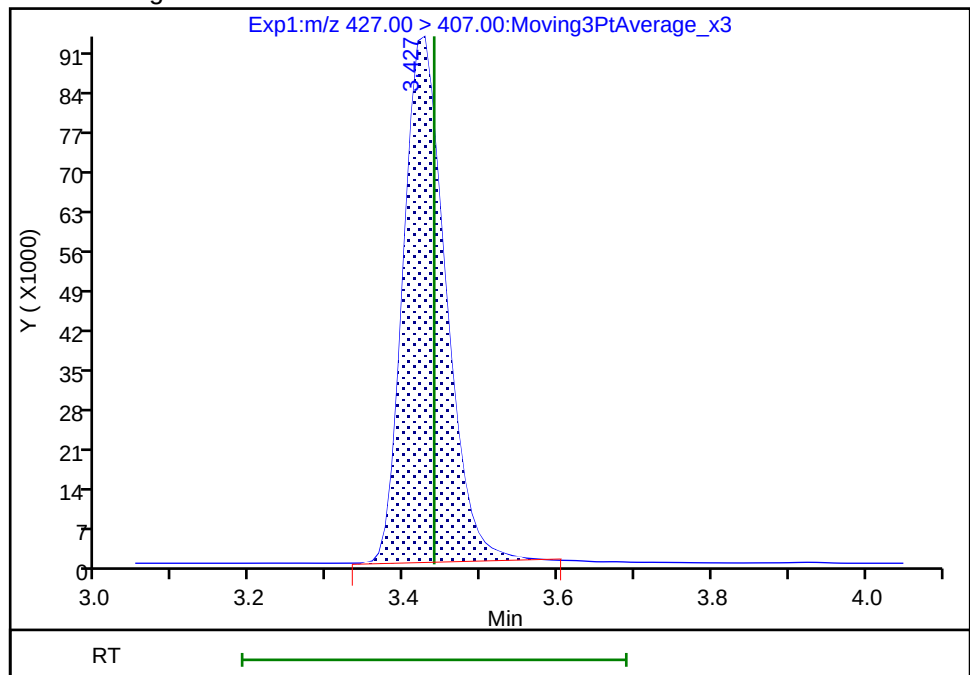
RT: 3.43
Area: 363245
Amount: 0.960907
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 357140
Amount: 0.944558
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:35:21

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

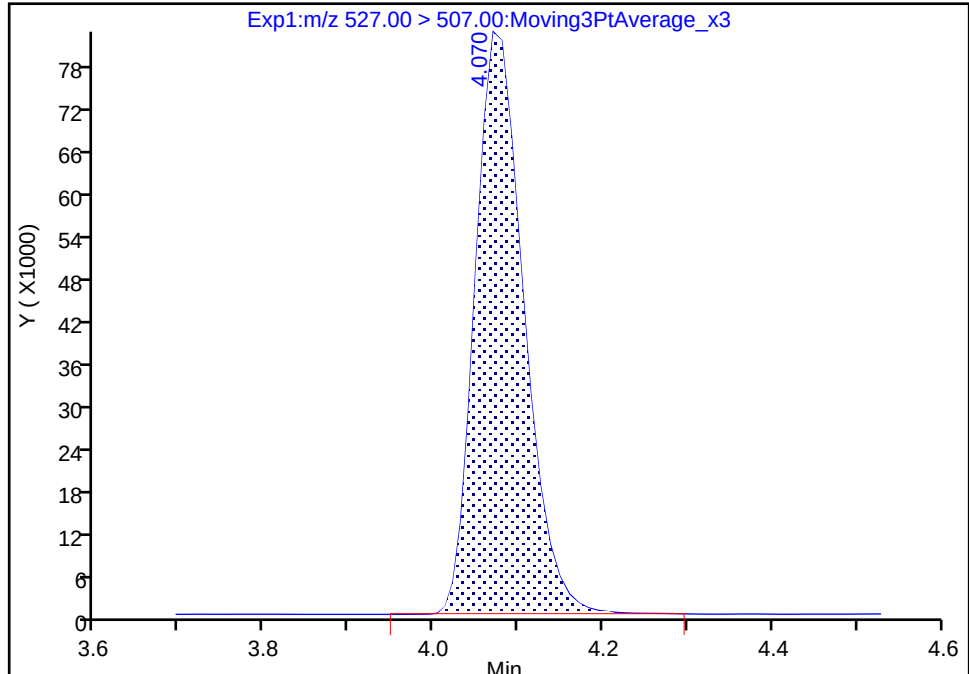
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B26.d
Injection Date: 19-Dec-2022 21:36:30 Instrument ID: LC812
Lims ID: 460-271307-A-4-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

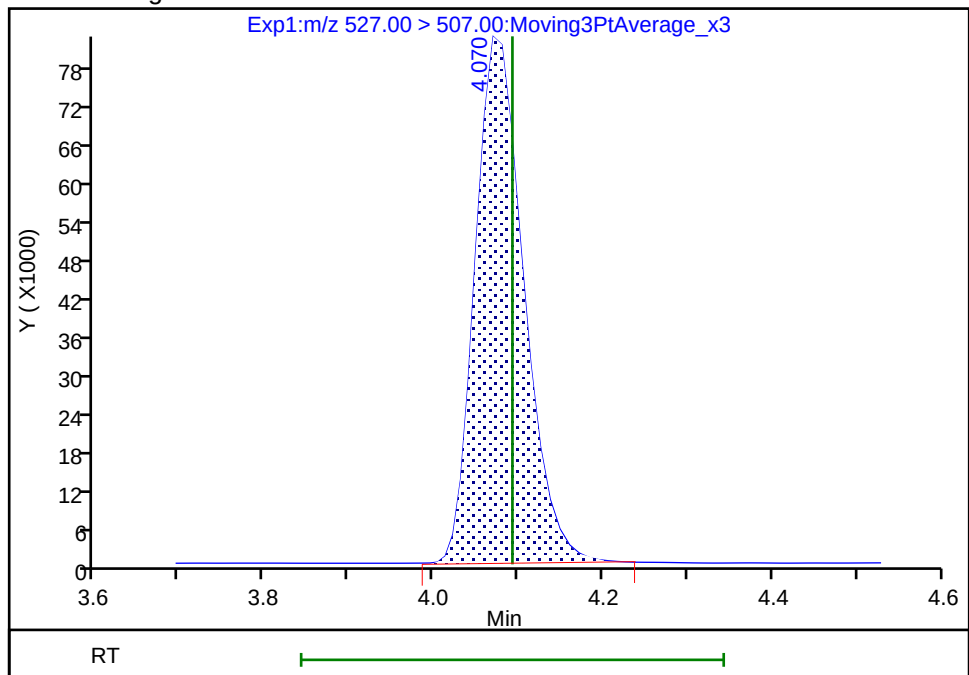
RT: 4.07
Area: 328688
Amount: 0.999627
Amount Units: ng/ml

Processing Integration Results



RT: 4.07
Area: 327602
Amount: 0.996324
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:36:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

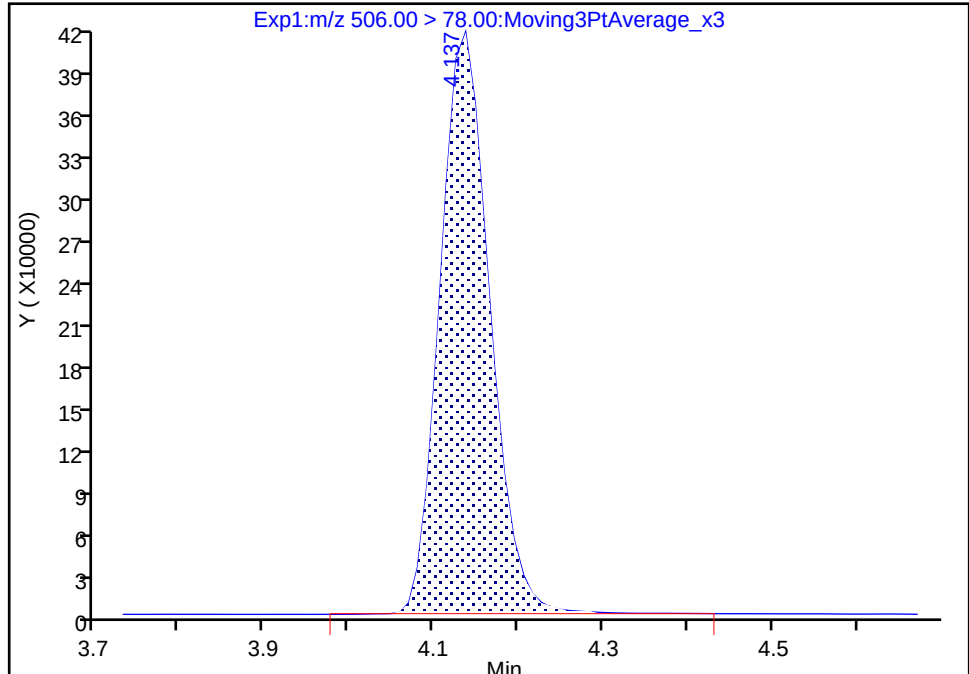
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B26.d
Injection Date: 19-Dec-2022 21:36:30 Instrument ID: LC812
Lims ID: 460-271307-A-4-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

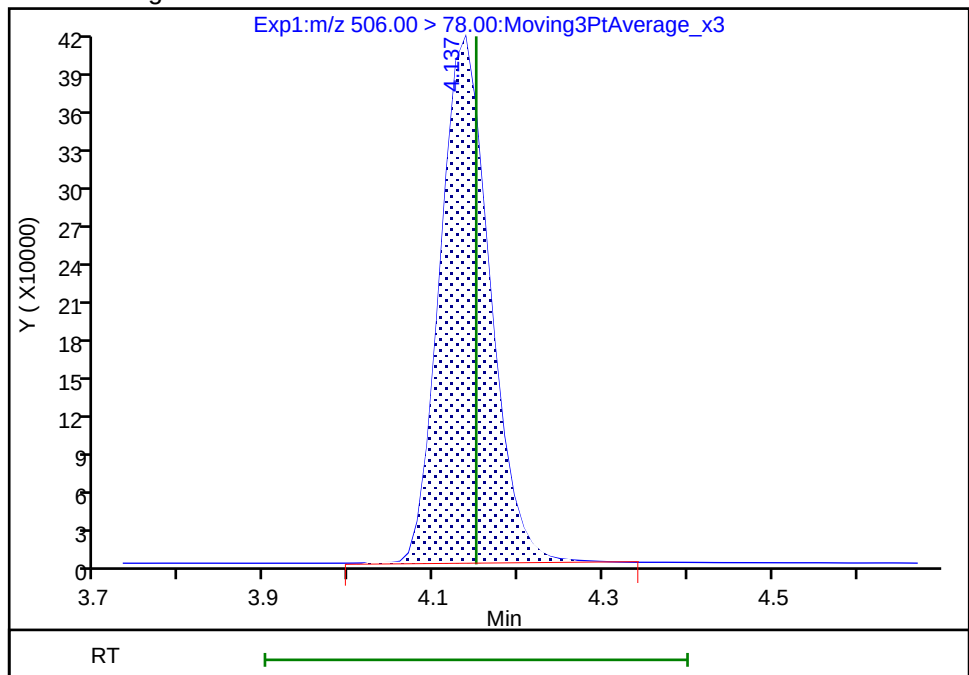
RT: 4.14
Area: 1682334
Amount: 0.894801
Amount Units: ng/ml

Processing Integration Results



RT: 4.14
Area: 1677749
Amount: 0.892362
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:33:46

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

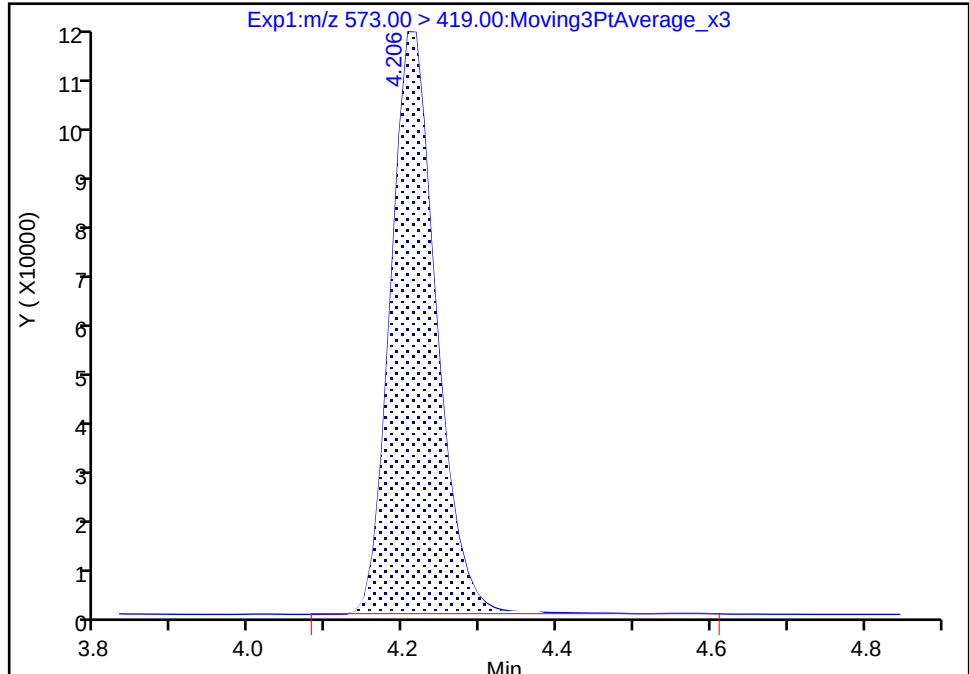
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B26.d
Injection Date: 19-Dec-2022 21:36:30 Instrument ID: LC812
Lims ID: 460-271307-A-4-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

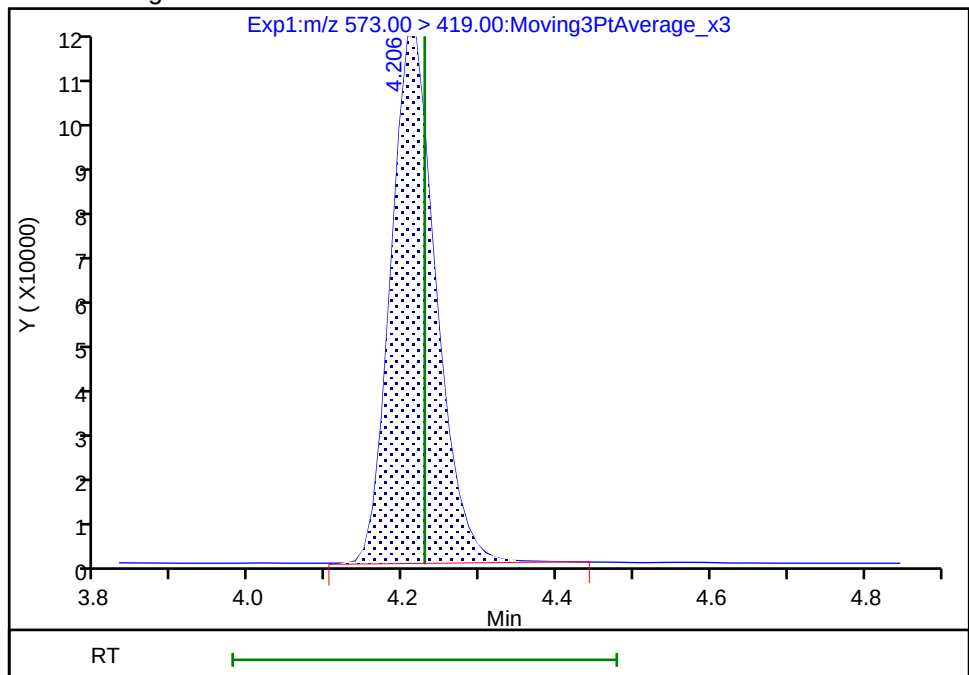
RT: 4.21
Area: 459667
Amount: 0.984435
Amount Units: ng/ml

Processing Integration Results



RT: 4.21
Area: 456755
Amount: 0.978198
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:33:51

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

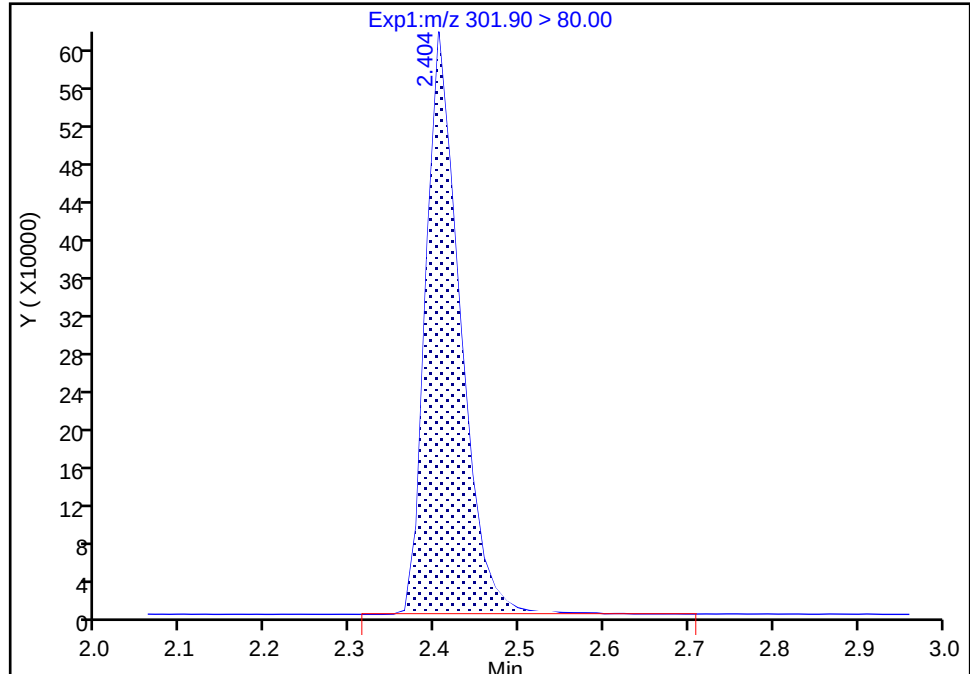
Data File: \\chromfs\Burlington\ChromData\LC812\20221219-53737.b\PA221219B26.d
Injection Date: 19-Dec-2022 21:36:30 Instrument ID: LC812
Lims ID: 460-271307-A-4-C MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

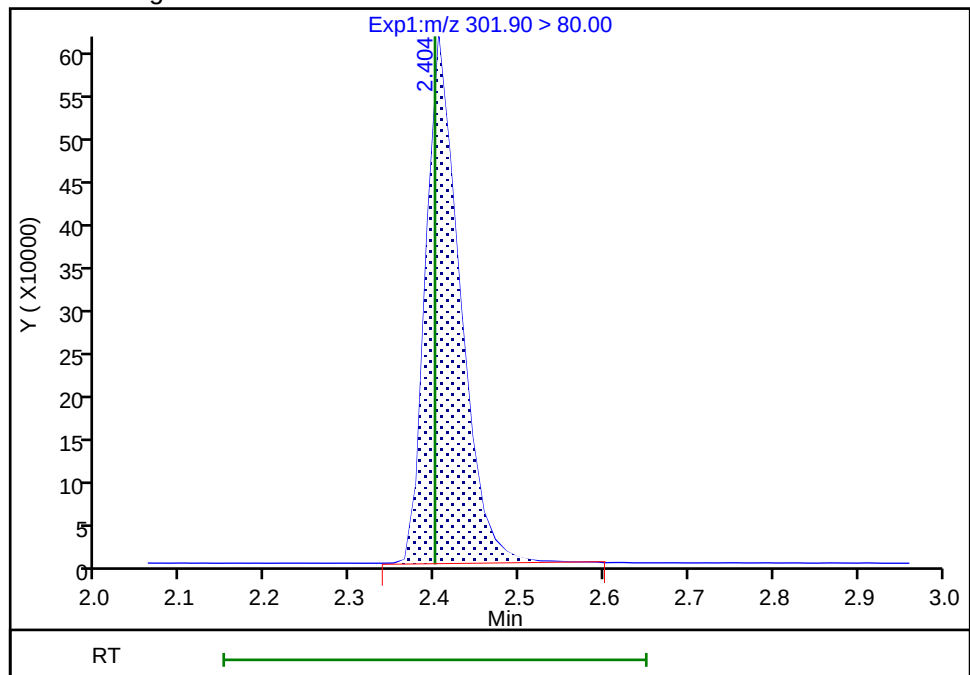
RT: 2.40
Area: 1734458
Amount: 0.835206
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 1729648
Amount: 0.832890
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 20-Dec-2022 10:33:30

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Burlington Job No.: 460-271302-1

SDG No.: _____

Instrument ID: LC812 Start Date: 11/18/2022 13:57

Analysis Batch Number: 185958 End Date: 11/18/2022 15:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		11/18/2022 13:57	1		C-18 4.6 (mm)
ZZZZZ		11/18/2022 14:05	1		C-18 4.6 (mm)
ZZZZZ		11/18/2022 14:13	1		C-18 4.6 (mm)
ZZZZZ		11/18/2022 14:21	1		C-18 4.6 (mm)
IC 200-185958/5		11/18/2022 14:29	1	PA221118ICAL05. d	C-18 4.6 (mm)
IC 200-185958/6		11/18/2022 14:38	1	PA221118ICAL06. d	C-18 4.6 (mm)
IC 200-185958/7		11/18/2022 14:46	1	PA221118ICAL07. d	C-18 4.6 (mm)
ICISAV 200-185958/8		11/18/2022 14:54	1	PA221118ICAL08. d	C-18 4.6 (mm)
IC 200-185958/9		11/18/2022 15:02	1	PA221118ICAL09. d	C-18 4.6 (mm)
IC 200-185958/10		11/18/2022 15:10	1	PA221118ICAL10. d	C-18 4.6 (mm)
ICB 200-185958/11		11/18/2022 15:18	1	PA221118ICAL11. d	C-18 4.6 (mm)
ICV 200-185958/12		11/18/2022 15:27	1	PA221118ICAL12. d	C-18 4.6 (mm)
ZZZZZ		11/18/2022 15:35	1		C-18 4.6 (mm)

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Burlington

Job No.: 460-271302-1

SDG No.:

Instrument ID: LC812

Start Date: 12/19/2022 13:50

Analysis Batch Number: 186869

End Date: 12/19/2022 18:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/19/2022 13:50	1		C-18 4.6 (mm)
ZZZZZ		12/19/2022 13:58	1		C-18 4.6 (mm)
ZZZZZ		12/19/2022 14:06	1		C-18 4.6 (mm)
CCB 200-186869/4		12/19/2022 14:14	1	PA221219A04.d	C-18 4.6 (mm)
CCVLIS 200-186869/5		12/19/2022 14:22	1	PA221219A05.d	C-18 4.6 (mm)
ZZZZZ		12/19/2022 14:31	10		C-18 4.6 (mm)
ZZZZZ		12/19/2022 14:39	20		C-18 4.6 (mm)
ZZZZZ		12/19/2022 14:47	20		C-18 4.6 (mm)
ZZZZZ		12/19/2022 14:55	10		C-18 4.6 (mm)
ZZZZZ		12/19/2022 15:03	5		C-18 4.6 (mm)
ZZZZZ		12/19/2022 15:11	1		C-18 4.6 (mm)
ZZZZZ		12/19/2022 15:20	2		C-18 4.6 (mm)
ZZZZZ		12/19/2022 15:28	10		C-18 4.6 (mm)
ZZZZZ		12/19/2022 15:36	10		C-18 4.6 (mm)
ZZZZZ		12/19/2022 15:44	10		C-18 4.6 (mm)
CCV 200-186869/16		12/19/2022 15:52	1		C-18 4.6 (mm)
ZZZZZ		12/19/2022 16:01	20		C-18 4.6 (mm)
ZZZZZ		12/19/2022 16:09	20		C-18 4.6 (mm)
ZZZZZ		12/19/2022 16:17	20		C-18 4.6 (mm)
ZZZZZ		12/19/2022 16:25	20		C-18 4.6 (mm)
ZZZZZ		12/19/2022 16:33	20		C-18 4.6 (mm)
ZZZZZ		12/19/2022 16:41	1		C-18 4.6 (mm)
ZZZZZ		12/19/2022 16:50	1		C-18 4.6 (mm)
ZZZZZ		12/19/2022 16:58	10		C-18 4.6 (mm)
ZZZZZ		12/19/2022 17:06	10		C-18 4.6 (mm)
ZZZZZ		12/19/2022 17:14	10		C-18 4.6 (mm)
ZZZZZ		12/19/2022 17:22	10		C-18 4.6 (mm)
ZZZZZ		12/19/2022 17:30	10		C-18 4.6 (mm)
ZZZZZ		12/19/2022 17:39	10		C-18 4.6 (mm)
ZZZZZ		12/19/2022 17:47	5		C-18 4.6 (mm)
ZZZZZ		12/19/2022 17:55	1		C-18 4.6 (mm)
CCV 200-186869/32		12/19/2022 18:03	1		C-18 4.6 (mm)

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Burlington Job No.: 460-271302-1
 SDG No.: _____
 Instrument ID: LC812 Start Date: 12/19/2022 18:11
 Analysis Batch Number: 186872 End Date: 12/19/2022 21:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 200-186872/1		12/19/2022 18:11	1	PA221219B01.d	C-18 4.6 (mm)
MB 200-186815/1-A		12/19/2022 18:20	1	PA221219B02.d	C-18 4.6 (mm)
LCS 200-186815/2-A		12/19/2022 18:28	1	PA221219B03.d	C-18 4.6 (mm)
ZZZZZ		12/19/2022 18:36	1		C-18 4.6 (mm)
ZZZZZ		12/19/2022 18:44	1		C-18 4.6 (mm)
ZZZZZ		12/19/2022 18:52	1		C-18 4.6 (mm)
ZZZZZ		12/19/2022 19:01	1		C-18 4.6 (mm)
ZZZZZ		12/19/2022 19:09	1		C-18 4.6 (mm)
ZZZZZ		12/19/2022 19:17	1		C-18 4.6 (mm)
ZZZZZ		12/19/2022 19:25	1		C-18 4.6 (mm)
ZZZZZ		12/19/2022 19:33	1		C-18 4.6 (mm)
ZZZZZ		12/19/2022 19:41	1		C-18 4.6 (mm)
ZZZZZ		12/19/2022 19:50	1		C-18 4.6 (mm)
CCV 200-186872/14		12/19/2022 19:58	1	PA221219B14.d	C-18 4.6 (mm)
ZZZZZ		12/19/2022 20:06	1		C-18 4.6 (mm)
ZZZZZ		12/19/2022 20:14	1		C-18 4.6 (mm)
460-271302-1	BCS-21-13_(13-13.5)P	12/19/2022 20:22	1	PA221219B17.d	C-18 4.6 (mm)
460-271302-2	BCS-21-14_(13-13.5)P	12/19/2022 20:31	1	PA221219B18.d	C-18 4.6 (mm)
460-271302-3	BCS-21-15_(13-13.5)P	12/19/2022 20:39	1	PA221219B19.d	C-18 4.6 (mm)
460-271302-4	BCS-21-16_(13-13.5)P	12/19/2022 20:47	1	PA221219B20.d	C-18 4.6 (mm)
ZZZZZ		12/19/2022 20:55	1		C-18 4.6 (mm)
ZZZZZ		12/19/2022 21:03	1		C-18 4.6 (mm)
ZZZZZ		12/19/2022 21:11	1		C-18 4.6 (mm)
ZZZZZ		12/19/2022 21:20	1		C-18 4.6 (mm)
460-271307-A-4-B MS		12/19/2022 21:28	1	PA221219B25.d	C-18 4.6 (mm)
460-271307-A-4-C MSD		12/19/2022 21:36	1	PA221219B26.d	C-18 4.6 (mm)
CCV 200-186872/27		12/19/2022 21:44	1	PA221219B27.d	C-18 4.6 (mm)

PFAS BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-271302-1

SDG No.: _____

Batch Number: 185958 Batch Start Date: 11/18/22 13:57 Batch Analyst: Dean, NathanBatch Method: 537 (modified) Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	LCPFAS28NCICV 00012	PFAS32NCBLK20 00023	PFAS32NCIC1 00014	PFAS32NCIC2 00013	PFAS32NCIC3 00015
IC 200-185958/5		537 (modified)		1 mL			100 uL		
IC 200-185958/6		537 (modified)		1 mL				100 uL	
IC 200-185958/7		537 (modified)		1 mL					100 uL
ICISAV 200-185958/8		537 (modified)		1 mL					
IC 200-185958/9		537 (modified)		1 mL					
IC 200-185958/10		537 (modified)		1 mL					
ICB 200-185958/11		537 (modified)		1 mL		100 uL			
ICV 200-185958/12		537 (modified)		1 mL	100 uL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	PFAS32NCIC4 00036	PFAS32NCIC5 00030	PFAS32NCIC6 00013			
IC 200-185958/5		537 (modified)							
IC 200-185958/6		537 (modified)							
IC 200-185958/7		537 (modified)							
ICISAV 200-185958/8		537 (modified)		100 uL					
IC 200-185958/9		537 (modified)			100 uL				
IC 200-185958/10		537 (modified)				100 uL			
ICB 200-185958/11		537 (modified)							
ICV 200-185958/12		537 (modified)							

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

537 (modified)

Page 1 of 2

PFAS BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-271302-1

SDG No.: _____

Batch Number: 185958 Batch Start Date: 11/18/22 13:57 Batch Analyst: Dean, Nathan

Batch Method: 537 (modified) Batch End Date: _____

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

537 (modified)

PFAS BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-271302-1

SDG No.: _____

Batch Number: 186815 Batch Start Date: 12/16/22 16:11 Batch Analyst: Kane, ElizabethBatch Method: SHAKE Batch End Date: 12/19/22 10:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	LCPFC32MTXStk 00049	LCPFIDA21_spk 00009	PFAS21 IS Stk 00049	AnalysisComment
MB 200-186815/1		SHAKE, 537 (modified)		5.00 g	10 mL		100 uL	100 uL	
LCS 200-186815/2		SHAKE, 537 (modified)		5.00 g	10 mL	25 uL	100 uL	100 uL	
460-271302-A-1	BCS-21-13_(13-13 .5)P	SHAKE, 537 (modified)	T	5.10 g	10 mL		100 uL	100 uL	
460-271302-A-2	BCS-21-14_(13-13 .5)P	SHAKE, 537 (modified)	T	5.01 g	10 mL		100 uL	100 uL	
460-271302-A-3	BCS-21-15_(13-13 .5)P	SHAKE, 537 (modified)	T	5.24 g	10 mL		100 uL	100 uL	
460-271302-A-4	BCS-21-16_(13-13 .5)P	SHAKE, 537 (modified)	T	5.15 g	10 mL		100 uL	100 uL	standing water
460-271307-A-4 MS		SHAKE, 537 (modified)	T	5.22 g	10 mL	25 uL	100 uL	100 uL	
460-271307-A-4 MSD		SHAKE, 537 (modified)	T	5.18 g	10 mL	25 uL	100 uL	100 uL	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

537 (modified)

Page 1 of 2

PFAS BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-271302-1

SDG No.: _____

Batch Number: 186815 Batch Start Date: 12/16/22 16:11 Batch Analyst: Kane, ElizabethBatch Method: SHAKE Batch End Date: 12/19/22 10:00

Batch Notes	
Balance ID	M02926
Blank Sand Lot #	1535274
Millipore Water Dispense Date	11/29/2022
Analyst ID - Reagent Drop Witness	NDD
SPE Cartridge Lot ID	Sorbent Lot: X1117-3H/1256 Prod Lot: E02773-1
SPE Cartridge Type	Phenomenex Strata PFAS (WAX/GCB), 500mg/ 6 mL
Hexane ID	30% Methanol/DI Water:1687233
Methanol ID	Lot:221080 TALS ID:1668571
Ammonium Hydroxide/MeOH ID	1687236
Sodium Hydroxide ID	1673391
Methanolic Potassium Hydroxide ID	1668906
Manifold ID	IDA 1, IDA 2
Acetic Acid ID	1453517
pH Indicator ID	234921U
Pipette/Syringe/Dispenser ID	QH77727
Analyst ID - IS Reagent Drop	KFW
Analyst ID - IS Reagent Drop Witness	NDD
Internal Standard ID	1677806
Analyst ID - Aliquot Step	KFW
Analyst ID - Final Volume Step	KFW
Sonication Start Time	12/18/2022 10:20
Sonication Stop Time	12/18/2022 13:20
Centrifuge Tube ID	430791
QC Bottle Lot ID	0317201H
Batch Comment	IDA:B MTX:B IS:C

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.: 460-271302-1

SDG No.: _____

Batch Number: 186869 Batch Start Date: 12/19/22 13:50 Batch Analyst: Chirgwin, Bradley WBatch Method: 537 (modified) Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	PFAS32NCBLK20 00023	PFAS32NCLOQV 00023			
CCB 200-186869/4		537 (modified)		1 mL	100 uL				
CCVLIS 200-186869/5		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)

Page 1 of 1

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins Burlington Job Number: 460-271302-1

SDG No.: _____

Project: Inwood - Lot 21

Client Sample ID	Lab Sample ID
<u>BCS-21-13_(13-13.5)P</u>	<u>460-271302-1</u>
<u>BCS-21-14_(13-13.5)P</u>	<u>460-271302-2</u>
<u>BCS-21-15_(13-13.5)P</u>	<u>460-271302-3</u>
<u>BCS-21-16_(13-13.5)P</u>	<u>460-271302-4</u>

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Burlington Job Number: 460-271302-1
SDG Number: _____
Matrix: Solid Instrument ID: NOEQUIP
Method: Moisture RL Date: 04/01/2009 07:55

Analyte	Wavelength/ Mass	RL (%)	
Percent Solids		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Burlington Job No.: 460-271302-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/20/2022 14:24 End Date: 12/20/2022 14:24

[illegible]

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Burlington Job No.: 460-271302-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 12/20/2022 14:24 End Date: 12/20/2022 14:24

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				% S o l																	
ZZZZZZ			14:24																		
ZZZZZZ			14:24																		
460-271302-1	1	T	14:24	X																	
460-271302-1 DU	1	T	14:24	X																	
460-271302-2	1	T	14:24	X																	
460-271302-3	1	T	14:24	X																	
460-271302-4	1	T	14:24	X																	
ZZZZZZ			14:24																		
ZZZZZZ			14:24																		
ZZZZZZ			14:24																		
ZZZZZZ			14:24																		
ZZZZZZ			14:24																		

Prep Types
T = Total/NA

General Chemistry Raw Data Report

Job ID: 460-271302-1

Batch: 186906
Method: Moisture

Analyst Initials: RWM
Instrument: No Equipment

Lab Sample ID: 460-271302-A-1

Analysis Date: Dec 20, 2022 14:24

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	73.2115677321157	%

Lab Sample ID: 460-271302-A-1 DU

Analysis Date: Dec 20, 2022 14:24

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	73.7104825291181	%

Lab Sample ID: 460-271302-A-2

Analysis Date: Dec 20, 2022 14:24

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	34.5070422535211	%

Lab Sample ID: 460-271302-A-3

Analysis Date: Dec 20, 2022 14:24

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	74.095513748191	%

Lab Sample ID: 460-271302-A-4

Analysis Date: Dec 20, 2022 14:24

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	69.9248120300752	%

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-271302-1

SDG No.: _____

Batch Number: 186906 Batch Start Date: 12/20/22 14:24 Batch Analyst: McNabb, Robert WBatch Method: Moisture Batch End Date: 12/21/22 11:35

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry	%_Moisture	%_Solid	
460-271302-A-1	BCS-21-13_(13-13.5) P	Moisture	T	0.99 g	7.56 g	5.80 g	26.788432267884 3 %	73.211567732115 7 %	
460-271302-A-1 DU	BCS-21-13_(13-13.5) P	Moisture	T	0.98 g	6.99 g	5.41 g	26.289517470881 9 %	73.710482529118 1 %	
460-271302-A-2	BCS-21-14_(13-13.5) P	Moisture	T	0.99 g	9.51 g	3.93 g	65.492957746478 9 %	34.507042253521 1 %	
460-271302-A-3	BCS-21-15_(13-13.5) P	Moisture	T	0.99 g	7.90 g	6.11 g	25.904486251809 %	74.095513748191 %	
460-271302-A-4	BCS-21-16_(13-13.5) P	Moisture	T	1.00 g	8.98 g	6.58 g	30.075187969924 8 %	69.924812030075 2 %	

Batch Notes	
Balance ID	L90217
Oven ID	WC OVEN #2
Thermometer ID	328 (CF=-1)
Date samples were placed in the oven	12/20/2022
Time samples were place in the oven	14:24
Temperature - Start - Uncorrected	110 Degrees C
Oven Temp In	109 Degrees C
Date samples were removed from oven	12/21/2022
Time Samples were removed from oven	11:00
Temperature - End - Uncorrected	110 Degrees C
Oven Temp Out	109 Degrees C
Date and Time Samples in Desiccator	12/21/2022 11:00
Date and Time Samples out of Desiccator	12/21/2022 11:15

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

Page 1 of 1

Subcontract Data

Shipping and Receiving Documents

Address:

TAL-8210

Form with multiple sections: Client Contact, Project Manager, Lab Contact, Sample Identification, Sample Disposal, and Special Instructions/QC Requirements & Comments. Includes handwritten entries and a barcode.

602 95/96

Number of Coolers:

IR Gun #

Cooler Temperatures

	RAW	CORRECTED
Cooler #1:	16	18
Cooler #2:		18
Cooler #3:		18
Cooler #4:	18	18
Cooler #5:	18	18
Cooler #6:	18	18
Cooler #7:	18	18
Cooler #8:	18	18
Cooler #9:	18	18

[illegible]

If pH adjustments are required record the information below:

Sample No(s). adjusted:

Preservative Name/Conc.:

Volume of Preservative used (ml):

Lot # of Preservative(s):

Expiration Date:

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

* Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

Initials:

Date:

Chain of Custody Record



Client Information (Sub Contract Lab)

Client Contact:

Shipping/Receiving

Company:
TestAmerica Laboratories, Inc.

Address:

530 Community Drive, Suite 11,

City:

South Burlington

State/Zip

VT, 05403

Phone

802-660-1990(Tel) 802-660-1919(Fax)

Email

Project Name:

Inwood - Lot 21

Site

SSOW#

Project #:

46026799

WO #

PO #

TAT Requested (days):

12/28/2022

Due Date Requested:

12/28/2022

City:

South Burlington

State/Zip

VT, 05403

Phone

802-660-1990(Tel) 802-660-1919(Fax)

Email

Project Name:

Inwood - Lot 21

Site

SSOW#

Project #:

46026799

WO #

PO #

TAT Requested (days):

12/28/2022

Due Date Requested:

12/28/2022

City:

South Burlington

State/Zip

VT, 05403

Phone

802-660-1990(Tel) 802-660-1919(Fax)

Email

Project Name:

Inwood - Lot 21

Site

SSOW#

Project #:

46026799

WO #

PO #

TAT Requested (days):

12/28/2022

Due Date Requested:

12/28/2022

Sampler

Lab PM

Haas, Melissa

E-Mail

Melissa.Haas@eurofins.com

Accreditations Required (See note)

NELAP - New York

State of Origin

New York

Page 1 of 1

Job #

460-271302-1

COC No

460-67112 1

Page

460-271302-1

Preservation Codes:

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:

M - Hexane

N - None

O - AsNaO2

P - Na2O4S

Q - Na2SO3

R - Na2S2O3

S - H2SO4

T - TSP Dodecahydrate

U - Acetone

V - MCAA

W - pH 4-5

Y - Trizma

Z - other (specify)

Special Instructions/Note:

Total Number of containers

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

Sample Identification - Client ID (Lab ID)

BCS-21-13_(13-13.5)P (460-271302-1)

BCS-21-14_(13-13.5)P (460-271302-2)

BCS-21-15_(13-13.5)P (460-271302-3)

BCS-21-16_(13-13.5)P (460-271302-4)

Sample Date

12/13/22

12/13/22

12/13/22

12/13/22

Sample Time

13:25 Eastern

13:35 Eastern

13:45 Eastern

13:55 Eastern

Sample Type

(C=Comp, G=grab)

Solid

Solid

Solid

Solid

Matrix

(W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)

Solid

Solid

Solid

Solid

Field Filtered Sample (Yes or No)

X

X

X

X

Perform MS/MSD (Yes or No)

X

X

X

X

PFAS (140 PFAS, Standard List (21)

X

X

X

X

Moisture

X

X

X

X

Analysis Requested

Analysis Requested

Analysis Requested

Analysis Requested

Analysis Requested

Analysis Requested

Analysis Requested

Analysis Requested

Analysis Requested

Analysis Requested

Analysis Requested

Analysis Requested

Analysis Requested

Analysis Requested

Analysis Requested

Analysis Requested

Analysis Requested

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client

Disposal By Lab

Archive For

Months

Special Instructions/QC Requirements:

Method of Shipment

Received by

Received by

Received by

Received by

Cooler Temperature(s) °C and Other Remarks:

12/14/22 1800

12/15/22 10:30

12/15/22 10:30

12/15/22 10:30

12/15/22 10:30

12/15/22 10:30

12/15/22 10:30

12/15/22 10:30

12/15/22 10:30

12/15/22 10:30

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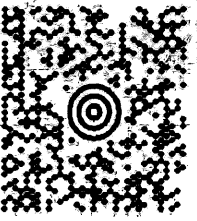
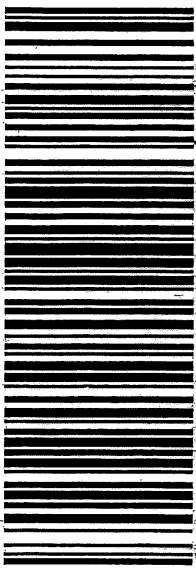
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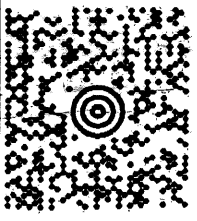
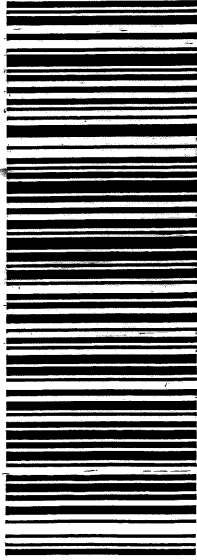
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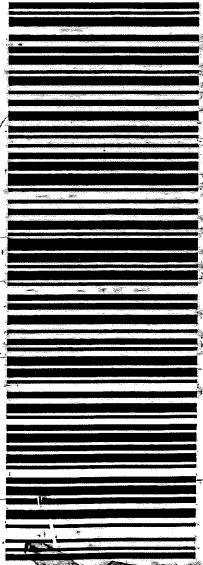
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KENNETH RIVERA 9083615236 EUROFINS EDISON 777 NEW DURHAM ROAD EDISON NJ 08817		42 LBS	2 OF 3
SHIP TO: SAMPLE RECEIVING 8026551203 EUROFINS BURLINGTON 530 COMMUNITY DRIVE SOUTH BURLINGTON VT 05403			
		VT 054 0-02 	
UPS NEXT DAY AIR EARLY 1+ TRACKING #: 1Z 73R 91R 15 9072 0215			
			
BILLING: P/P			
			
		XOL 22.12.20 NV45 51.0A 12/2022*	

KENNETH RIVERA 9083615236 EUROFINS EDISON 777 NEW DURHAM ROAD EDISON NJ 08817		50 LBS	1 OF 3
SHIP TO: SAMPLE RECEIVING 8026551203 EUROFINS BURLINGTON 530 COMMUNITY DRIVE SOUTH BURLINGTON VT 05403			
		VT 054 0-02 	
UPS NEXT DAY AIR EARLY 1+ TRACKING #: 1Z 73R 91R 15 9036 8802			
			
BILLING: P/P			
			
		XOL 22.12.20 NV45 51.0A 12/2022*	

KENNETH RIVERA 9083615236 EUROFINS EDISON 777 NEW DURHAM ROAD EDISON NJ 08817 SHIP TO: SAMPLE RECEIVING 8026551203 EUROFINS BURLINGTON 530 COMMUNITY DRIVE SOUTH BURLINGTON VT 05403	38 LBS 3 OF 3
VT 0540-02 	UPS NEXT DAY AIR EARLY 1+ TRACKING #: 1Z 73R 91R 15 9427 1220 
WEIGHT: P/P  XOL 22-12-20 NV45510A 12/2022 	

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-271302-1

Login Number: 271302

List Source: Eurofins Edison

List Number: 1

Creator: Thundathorn, Sukanan 1

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: 460-271302-1

Login Number: 271302
List Number: 2
Creator: Reynolds, Jamie K

List Source: Eurofins Burlington
List Creation: 12/15/22 02:09 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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	1861469, 1470, 1471
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	0.7°C, 1.8°C, 2.0°C
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	Received project as a subcontract.
Is the Field Sampler's name present on COC?	N/A	
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 $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	