



ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

Inwood - Lot 9

JOB NUMBER

460-269761-1

Eurofins Edison

Job Notes

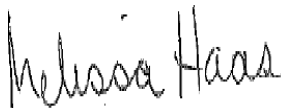
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Authorization



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

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CASE NARRATIVE

Client: Roux Environmental Eng & Geology DPC

Project: Inwood - Lot 9

Report Number: 460-269761-1

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

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

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

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

RECEIPT

The samples were received on 11/17/2022; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.6 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-09-06_(0-5.5)P (460-269761-1), BCS-09-07_(0-5.5)P (460-269761-2), BCS-09-08_(0-5.5)P (460-269761-3), BCS-09-09_(0-5.5)P (460-269761-4) and BCS-09-10_(0-5.5)P (460-269761-5) were analyzed for Per- and Polyfluoroalkyl Substances (PFAS) in accordance with PFC-IDA - 537 (modified). The samples were prepared on 11/29/2022 and analyzed on 11/30/2022.

Method 537 (modified): 13C4 PFBA Isotope Dilution Analyte (IDA) recovery associated with the following sample is below the method recommended limit: BCS-09-10_(0-5.5)P (460-269761-5). Generally, data quality is not considered affected if the IDA signal-to-noise ratio is greater than 10:1, which is achieved for all IDA in the sample.

No other difficulties were encountered during the PFAS analysis.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples BCS-09-06_(0-5.5)P (460-269761-1), BCS-09-07_(0-5.5)P (460-269761-2), BCS-09-08_(0-5.5)P (460-269761-3), BCS-09-09_(0-5.5)P (460-269761-4) and BCS-09-10_(0-5.5)P (460-269761-5) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 11/21/2022.

The following samples have a percent solid content less than 30%: (200-65819-A-28)

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

All quality control parameters were within the acceptance limits.

Sample Summary

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

Job ID: 460-269761-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-269761-1	BCS-09-06_(0-5.5)P	Solid	11/17/22 13:35	11/17/22 20:00
460-269761-2	BCS-09-07_(0-5.5)P	Solid	11/17/22 13:45	11/17/22 20:00
460-269761-3	BCS-09-08_(0-5.5)P	Solid	11/17/22 13:55	11/17/22 20:00
460-269761-4	BCS-09-09_(0-5.5)P	Solid	11/17/22 14:05	11/17/22 20:00
460-269761-5	BCS-09-10_(0-5.5)P	Solid	11/17/22 14:15	11/17/22 20:00

Detection Summary

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

Job ID: 460-269761-1

Client Sample ID: BCS-09-06_(0-5.5)P

Lab Sample ID: 460-269761-1

No Detections.

Client Sample ID: BCS-09-07_(0-5.5)P

Lab Sample ID: 460-269761-2

No Detections.

Client Sample ID: BCS-09-08_(0-5.5)P

Lab Sample ID: 460-269761-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.066	J	0.26	0.060	ug/Kg	1		✱	537 (modified)	Total/NA

Client Sample ID: BCS-09-09_(0-5.5)P

Lab Sample ID: 460-269761-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
6:2 FTS	0.16	J	2.59	0.074	ug/Kg	1		✱	537 (modified)	Total/NA

Client Sample ID: BCS-09-10_(0-5.5)P

Lab Sample ID: 460-269761-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.059	J	0.25	0.058	ug/Kg	1		✱	537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

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

Job ID: 460-269761-1

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

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Client Sample Results

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

Job ID: 460-269761-1

Client Sample ID: BCS-09-06_(0-5.5)P

Lab Sample ID: 460-269761-1

Date Collected: 11/17/22 13:35

Matrix: Solid

Date Received: 11/17/22 20:00

Percent Solids: 81.6

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.60	U	0.60	0.40	ug/Kg	☼	11/29/22 10:30	11/30/22 10:13	1
Perfluoropentanoic acid (PFPeA)	0.24	U	0.24	0.066	ug/Kg	☼	11/29/22 10:30	11/30/22 10:13	1
Perfluorohexanoic acid (PFHxA)	0.24	U	0.24	0.055	ug/Kg	☼	11/29/22 10:30	11/30/22 10:13	1
Perfluoroheptanoic acid (PFHpA)	0.24	U	0.24	0.047	ug/Kg	☼	11/29/22 10:30	11/30/22 10:13	1
Perfluorooctanoic acid (PFOA)	0.24	U	0.24	0.070	ug/Kg	☼	11/29/22 10:30	11/30/22 10:13	1
Perfluorononanoic acid (PFNA)	0.24	U	0.24	0.041	ug/Kg	☼	11/29/22 10:30	11/30/22 10:13	1
Perfluorodecanoic acid (PFDA)	0.24	U	0.24	0.034	ug/Kg	☼	11/29/22 10:30	11/30/22 10:13	1
Perfluoroundecanoic acid (PFUnA)	0.24	U	0.24	0.033	ug/Kg	☼	11/29/22 10:30	11/30/22 10:13	1
Perfluorododecanoic acid (PFDoA)	0.24	U	0.24	0.030	ug/Kg	☼	11/29/22 10:30	11/30/22 10:13	1
Perfluorotridecanoic acid (PFTriA)	0.24	U	0.24	0.030	ug/Kg	☼	11/29/22 10:30	11/30/22 10:13	1
Perfluorotetradecanoic acid (PFTeA)	0.24	U	0.24	0.031	ug/Kg	☼	11/29/22 10:30	11/30/22 10:13	1
Perfluorobutanesulfonic acid (PFBS)	0.24	U	0.24	0.040	ug/Kg	☼	11/29/22 10:30	11/30/22 10:13	1
Perfluorohexanesulfonic acid (PFHxS)	0.24	U	0.24	0.049	ug/Kg	☼	11/29/22 10:30	11/30/22 10:13	1
Perfluoroheptanesulfonic acid (PFHpS)	0.24	U	0.24	0.028	ug/Kg	☼	11/29/22 10:30	11/30/22 10:13	1
Perfluorooctanesulfonic acid (PFOS)	0.24	U	0.24	0.13	ug/Kg	☼	11/29/22 10:30	11/30/22 10:13	1
Perfluorodecanesulfonic acid (PFDS)	0.24	U	0.24	0.023	ug/Kg	☼	11/29/22 10:30	11/30/22 10:13	1
Perfluorooctanesulfonamide (FOSA)	0.24	U	0.24	0.041	ug/Kg	☼	11/29/22 10:30	11/30/22 10:13	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.41	U	2.41	0.13	ug/Kg	☼	11/29/22 10:30	11/30/22 10:13	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.41	U	2.41	0.10	ug/Kg	☼	11/29/22 10:30	11/30/22 10:13	1
6:2 FTS	2.41	U	2.41	0.069	ug/Kg	☼	11/29/22 10:30	11/30/22 10:13	1
8:2 FTS	2.41	U	2.41	0.045	ug/Kg	☼	11/29/22 10:30	11/30/22 10:13	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	95		50 - 150	11/29/22 10:30	11/30/22 10:13	1
13C4 PFHpA	95		50 - 150	11/29/22 10:30	11/30/22 10:13	1
13C4 PFOA	89		50 - 150	11/29/22 10:30	11/30/22 10:13	1
13C4 PFOS	91		50 - 150	11/29/22 10:30	11/30/22 10:13	1
13C5 PFNA	99		50 - 150	11/29/22 10:30	11/30/22 10:13	1
13C4 PFBA	88		50 - 150	11/29/22 10:30	11/30/22 10:13	1
13C2 PFHxA	96		50 - 150	11/29/22 10:30	11/30/22 10:13	1
13C2 PFDA	98		50 - 150	11/29/22 10:30	11/30/22 10:13	1
13C2 PFUnA	93		50 - 150	11/29/22 10:30	11/30/22 10:13	1
13C2 PFDoA	87		50 - 150	11/29/22 10:30	11/30/22 10:13	1
13C8 FOSA	92		50 - 150	11/29/22 10:30	11/30/22 10:13	1
13C5 PFPeA	89		50 - 150	11/29/22 10:30	11/30/22 10:13	1
13C2 PFTeA	107		50 - 150	11/29/22 10:30	11/30/22 10:13	1
d3-NMeFOSAA	92		50 - 150	11/29/22 10:30	11/30/22 10:13	1
d5-NEtFOSAA	92		50 - 150	11/29/22 10:30	11/30/22 10:13	1
M2-6:2 FTS	93		50 - 150	11/29/22 10:30	11/30/22 10:13	1
M2-8:2 FTS	92		50 - 150	11/29/22 10:30	11/30/22 10:13	1
13C3 PFBS	86		50 - 150	11/29/22 10:30	11/30/22 10:13	1

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Client Sample Results

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

Job ID: 460-269761-1

Client Sample ID: BCS-09-07_(0-5.5)P

Lab Sample ID: 460-269761-2

Date Collected: 11/17/22 13:45

Matrix: Solid

Date Received: 11/17/22 20:00

Percent Solids: 72.8

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	☼	11/29/22 10:30	11/30/22 10:38	1
Perfluoropentanoic acid (PFPeA)	0.26	U	0.26	0.070	ug/Kg	☼	11/29/22 10:30	11/30/22 10:38	1
Perfluorohexanoic acid (PFHxA)	0.26	U	0.26	0.059	ug/Kg	☼	11/29/22 10:30	11/30/22 10:38	1
Perfluoroheptanoic acid (PFHpA)	0.26	U	0.26	0.050	ug/Kg	☼	11/29/22 10:30	11/30/22 10:38	1
Perfluorooctanoic acid (PFOA)	0.26	U	0.26	0.074	ug/Kg	☼	11/29/22 10:30	11/30/22 10:38	1
Perfluorononanoic acid (PFNA)	0.26	U	0.26	0.044	ug/Kg	☼	11/29/22 10:30	11/30/22 10:38	1
Perfluorodecanoic acid (PFDA)	0.26	U	0.26	0.036	ug/Kg	☼	11/29/22 10:30	11/30/22 10:38	1
Perfluoroundecanoic acid (PFUnA)	0.26	U	0.26	0.035	ug/Kg	☼	11/29/22 10:30	11/30/22 10:38	1
Perfluorododecanoic acid (PFDoA)	0.26	U	0.26	0.032	ug/Kg	☼	11/29/22 10:30	11/30/22 10:38	1
Perfluorotridecanoic acid (PFTriA)	0.26	U	0.26	0.032	ug/Kg	☼	11/29/22 10:30	11/30/22 10:38	1
Perfluorotetradecanoic acid (PFTeA)	0.26	U	0.26	0.033	ug/Kg	☼	11/29/22 10:30	11/30/22 10:38	1
Perfluorobutanesulfonic acid (PFBS)	0.26	U	0.26	0.042	ug/Kg	☼	11/29/22 10:30	11/30/22 10:38	1
Perfluorohexanesulfonic acid (PFHxS)	0.26	U	0.26	0.053	ug/Kg	☼	11/29/22 10:30	11/30/22 10:38	1
Perfluoroheptanesulfonic acid (PFHpS)	0.26	U	0.26	0.029	ug/Kg	☼	11/29/22 10:30	11/30/22 10:38	1
Perfluorooctanesulfonic acid (PFOS)	0.26	U	0.26	0.14	ug/Kg	☼	11/29/22 10:30	11/30/22 10:38	1
Perfluorodecanesulfonic acid (PFDS)	0.26	U	0.26	0.024	ug/Kg	☼	11/29/22 10:30	11/30/22 10:38	1
Perfluorooctanesulfonamide (FOSA)	0.26	U	0.26	0.044	ug/Kg	☼	11/29/22 10:30	11/30/22 10:38	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.56	U	2.56	0.14	ug/Kg	☼	11/29/22 10:30	11/30/22 10:38	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.56	U	2.56	0.11	ug/Kg	☼	11/29/22 10:30	11/30/22 10:38	1
6:2 FTS	2.56	U	2.56	0.073	ug/Kg	☼	11/29/22 10:30	11/30/22 10:38	1
8:2 FTS	2.56	U	2.56	0.047	ug/Kg	☼	11/29/22 10:30	11/30/22 10:38	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	87		50 - 150				11/29/22 10:30	11/30/22 10:38	1
13C4 PFHpA	93		50 - 150				11/29/22 10:30	11/30/22 10:38	1
13C4 PFOA	89		50 - 150				11/29/22 10:30	11/30/22 10:38	1
13C4 PFOS	87		50 - 150				11/29/22 10:30	11/30/22 10:38	1
13C5 PFNA	91		50 - 150				11/29/22 10:30	11/30/22 10:38	1
13C4 PFBA	73		50 - 150				11/29/22 10:30	11/30/22 10:38	1
13C2 PFHxA	90		50 - 150				11/29/22 10:30	11/30/22 10:38	1
13C2 PFDA	93		50 - 150				11/29/22 10:30	11/30/22 10:38	1
13C2 PFUnA	91		50 - 150				11/29/22 10:30	11/30/22 10:38	1
13C2 PFDoA	88		50 - 150				11/29/22 10:30	11/30/22 10:38	1
13C8 FOSA	86		50 - 150				11/29/22 10:30	11/30/22 10:38	1
13C5 PFPeA	83		50 - 150				11/29/22 10:30	11/30/22 10:38	1
13C2 PFTeA	81		50 - 150				11/29/22 10:30	11/30/22 10:38	1
d3-NMeFOSAA	85		50 - 150				11/29/22 10:30	11/30/22 10:38	1
d5-NEtFOSAA	89		50 - 150				11/29/22 10:30	11/30/22 10:38	1
M2-6:2 FTS	91		50 - 150				11/29/22 10:30	11/30/22 10:38	1
M2-8:2 FTS	93		50 - 150				11/29/22 10:30	11/30/22 10:38	1
13C3 PFBS	85		50 - 150				11/29/22 10:30	11/30/22 10:38	1

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Client Sample Results

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

Job ID: 460-269761-1

Client Sample ID: BCS-09-08_(0-5.5)P

Lab Sample ID: 460-269761-3

Date Collected: 11/17/22 13:55

Matrix: Solid

Date Received: 11/17/22 20:00

Percent Solids: 71.8

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.66	U	0.66	0.43	ug/Kg	☼	11/29/22 10:30	11/30/22 10:46	1
Perfluoropentanoic acid (PFPeA)	0.26	U	0.26	0.072	ug/Kg	☼	11/29/22 10:30	11/30/22 10:46	1
Perfluorohexanoic acid (PFHxA)	0.066	J	0.26	0.060	ug/Kg	☼	11/29/22 10:30	11/30/22 10:46	1
Perfluoroheptanoic acid (PFHpA)	0.26	U	0.26	0.051	ug/Kg	☼	11/29/22 10:30	11/30/22 10:46	1
Perfluorooctanoic acid (PFOA)	0.26	U	0.26	0.076	ug/Kg	☼	11/29/22 10:30	11/30/22 10:46	1
Perfluorononanoic acid (PFNA)	0.26	U	0.26	0.045	ug/Kg	☼	11/29/22 10:30	11/30/22 10:46	1
Perfluorodecanoic acid (PFDA)	0.26	U	0.26	0.037	ug/Kg	☼	11/29/22 10:30	11/30/22 10:46	1
Perfluoroundecanoic acid (PFUnA)	0.26	U	0.26	0.035	ug/Kg	☼	11/29/22 10:30	11/30/22 10:46	1
Perfluorododecanoic acid (PFDoA)	0.26	U	0.26	0.033	ug/Kg	☼	11/29/22 10:30	11/30/22 10:46	1
Perfluorotridecanoic acid (PFTriA)	0.26	U	0.26	0.033	ug/Kg	☼	11/29/22 10:30	11/30/22 10:46	1
Perfluorotetradecanoic acid (PFTeA)	0.26	U	0.26	0.034	ug/Kg	☼	11/29/22 10:30	11/30/22 10:46	1
Perfluorobutanesulfonic acid (PFBS)	0.26	U	0.26	0.043	ug/Kg	☼	11/29/22 10:30	11/30/22 10:46	1
Perfluorohexanesulfonic acid (PFHxS)	0.26	U	0.26	0.054	ug/Kg	☼	11/29/22 10:30	11/30/22 10:46	1
Perfluoroheptanesulfonic acid (PFHpS)	0.26	U	0.26	0.030	ug/Kg	☼	11/29/22 10:30	11/30/22 10:46	1
Perfluorooctanesulfonic acid (PFOS)	0.26	U	0.26	0.14	ug/Kg	☼	11/29/22 10:30	11/30/22 10:46	1
Perfluorodecanesulfonic acid (PFDS)	0.26	U	0.26	0.025	ug/Kg	☼	11/29/22 10:30	11/30/22 10:46	1
Perfluorooctanesulfonamide (FOSA)	0.26	U	0.26	0.045	ug/Kg	☼	11/29/22 10:30	11/30/22 10:46	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.62	U	2.62	0.14	ug/Kg	☼	11/29/22 10:30	11/30/22 10:46	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.62	U	2.62	0.11	ug/Kg	☼	11/29/22 10:30	11/30/22 10:46	1
6:2 FTS	2.62	U	2.62	0.075	ug/Kg	☼	11/29/22 10:30	11/30/22 10:46	1
8:2 FTS	2.62	U	2.62	0.049	ug/Kg	☼	11/29/22 10:30	11/30/22 10:46	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	90		50 - 150	11/29/22 10:30	11/30/22 10:46	1
13C4 PFHpA	90		50 - 150	11/29/22 10:30	11/30/22 10:46	1
13C4 PFOA	89		50 - 150	11/29/22 10:30	11/30/22 10:46	1
13C4 PFOS	90		50 - 150	11/29/22 10:30	11/30/22 10:46	1
13C5 PFNA	97		50 - 150	11/29/22 10:30	11/30/22 10:46	1
13C4 PFBA	77		50 - 150	11/29/22 10:30	11/30/22 10:46	1
13C2 PFHxA	92		50 - 150	11/29/22 10:30	11/30/22 10:46	1
13C2 PFDA	99		50 - 150	11/29/22 10:30	11/30/22 10:46	1
13C2 PFUnA	98		50 - 150	11/29/22 10:30	11/30/22 10:46	1
13C2 PFDoA	90		50 - 150	11/29/22 10:30	11/30/22 10:46	1
13C8 FOSA	92		50 - 150	11/29/22 10:30	11/30/22 10:46	1
13C5 PFPeA	85		50 - 150	11/29/22 10:30	11/30/22 10:46	1
13C2 PFTeDA	87		50 - 150	11/29/22 10:30	11/30/22 10:46	1
d3-NMeFOSAA	89		50 - 150	11/29/22 10:30	11/30/22 10:46	1
d5-NEtFOSAA	93		50 - 150	11/29/22 10:30	11/30/22 10:46	1
M2-6:2 FTS	100		50 - 150	11/29/22 10:30	11/30/22 10:46	1
M2-8:2 FTS	94		50 - 150	11/29/22 10:30	11/30/22 10:46	1
13C3 PFBS	89		50 - 150	11/29/22 10:30	11/30/22 10:46	1

Eurofins Edison

Client Sample Results

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

Job ID: 460-269761-1

Client Sample ID: BCS-09-09_(0-5.5)P

Lab Sample ID: 460-269761-4

Date Collected: 11/17/22 14:05

Matrix: Solid

Date Received: 11/17/22 20:00

Percent Solids: 73.1

Method: EPA 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.65	U	0.65	0.43	ug/Kg	☼	11/29/22 10:30	11/30/22 10:54	1
Perfluoropentanoic acid (PFPeA)	0.26	U	0.26	0.071	ug/Kg	☼	11/29/22 10:30	11/30/22 10:54	1
Perfluorohexanoic acid (PFHxA)	0.26	U	0.26	0.059	ug/Kg	☼	11/29/22 10:30	11/30/22 10:54	1
Perfluoroheptanoic acid (PFHpA)	0.26	U	0.26	0.050	ug/Kg	☼	11/29/22 10:30	11/30/22 10:54	1
Perfluorooctanoic acid (PFOA)	0.26	U	0.26	0.075	ug/Kg	☼	11/29/22 10:30	11/30/22 10:54	1
Perfluorononanoic acid (PFNA)	0.26	U	0.26	0.044	ug/Kg	☼	11/29/22 10:30	11/30/22 10:54	1
Perfluorodecanoic acid (PFDA)	0.26	U	0.26	0.036	ug/Kg	☼	11/29/22 10:30	11/30/22 10:54	1
Perfluoroundecanoic acid (PFUnA)	0.26	U	0.26	0.035	ug/Kg	☼	11/29/22 10:30	11/30/22 10:54	1
Perfluorododecanoic acid (PFDoA)	0.26	U	0.26	0.032	ug/Kg	☼	11/29/22 10:30	11/30/22 10:54	1
Perfluorotridecanoic acid (PFTriA)	0.26	U	0.26	0.032	ug/Kg	☼	11/29/22 10:30	11/30/22 10:54	1
Perfluorotetradecanoic acid (PFTeA)	0.26	U	0.26	0.034	ug/Kg	☼	11/29/22 10:30	11/30/22 10:54	1
Perfluorobutanesulfonic acid (PFBS)	0.26	U	0.26	0.043	ug/Kg	☼	11/29/22 10:30	11/30/22 10:54	1
Perfluorohexanesulfonic acid (PFHxS)	0.26	U	0.26	0.053	ug/Kg	☼	11/29/22 10:30	11/30/22 10:54	1
Perfluoroheptanesulfonic acid (PFHpS)	0.26	U	0.26	0.030	ug/Kg	☼	11/29/22 10:30	11/30/22 10:54	1
Perfluorooctanesulfonic acid (PFOS)	0.26	U	0.26	0.14	ug/Kg	☼	11/29/22 10:30	11/30/22 10:54	1
Perfluorodecanesulfonic acid (PFDS)	0.26	U	0.26	0.025	ug/Kg	☼	11/29/22 10:30	11/30/22 10:54	1
Perfluorooctanesulfonamide (FOSA)	0.26	U	0.26	0.044	ug/Kg	☼	11/29/22 10:30	11/30/22 10:54	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.59	U	2.59	0.14	ug/Kg	☼	11/29/22 10:30	11/30/22 10:54	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.59	U	2.59	0.11	ug/Kg	☼	11/29/22 10:30	11/30/22 10:54	1
6:2 FTS	0.16	J	2.59	0.074	ug/Kg	☼	11/29/22 10:30	11/30/22 10:54	1
8:2 FTS	2.59	U	2.59	0.048	ug/Kg	☼	11/29/22 10:30	11/30/22 10:54	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	84		50 - 150	11/29/22 10:30	11/30/22 10:54	1
13C4 PFHpA	84		50 - 150	11/29/22 10:30	11/30/22 10:54	1
13C4 PFOA	83		50 - 150	11/29/22 10:30	11/30/22 10:54	1
13C4 PFOS	83		50 - 150	11/29/22 10:30	11/30/22 10:54	1
13C5 PFNA	87		50 - 150	11/29/22 10:30	11/30/22 10:54	1
13C4 PFBA	87		50 - 150	11/29/22 10:30	11/30/22 10:54	1
13C2 PFHxA	87		50 - 150	11/29/22 10:30	11/30/22 10:54	1
13C2 PFDA	87		50 - 150	11/29/22 10:30	11/30/22 10:54	1
13C2 PFUnA	79		50 - 150	11/29/22 10:30	11/30/22 10:54	1
13C2 PFDoA	83		50 - 150	11/29/22 10:30	11/30/22 10:54	1
13C8 FOSA	78		50 - 150	11/29/22 10:30	11/30/22 10:54	1
13C5 PFPeA	84		50 - 150	11/29/22 10:30	11/30/22 10:54	1
13C2 PFTeA	82		50 - 150	11/29/22 10:30	11/30/22 10:54	1
d3-NMeFOSAA	80		50 - 150	11/29/22 10:30	11/30/22 10:54	1
d5-NEtFOSAA	82		50 - 150	11/29/22 10:30	11/30/22 10:54	1
M2-6:2 FTS	96		50 - 150	11/29/22 10:30	11/30/22 10:54	1
M2-8:2 FTS	98		50 - 150	11/29/22 10:30	11/30/22 10:54	1
13C3 PFBS	81		50 - 150	11/29/22 10:30	11/30/22 10:54	1

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Client Sample Results

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

Job ID: 460-269761-1

Client Sample ID: BCS-09-10_(0-5.5)P

Lab Sample ID: 460-269761-5

Date Collected: 11/17/22 14:15

Matrix: Solid

Date Received: 11/17/22 20:00

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)	0.63	U	0.63	0.42	ug/Kg	☼	11/29/22 10:30	11/30/22 11:02	1
Perfluoropentanoic acid (PFPeA)	0.25	U	0.25	0.070	ug/Kg	☼	11/29/22 10:30	11/30/22 11:02	1
Perfluorohexanoic acid (PFHxA)	0.059	J	0.25	0.058	ug/Kg	☼	11/29/22 10:30	11/30/22 11:02	1
Perfluoroheptanoic acid (PFHpA)	0.25	U	0.25	0.050	ug/Kg	☼	11/29/22 10:30	11/30/22 11:02	1
Perfluorooctanoic acid (PFOA)	0.25	U	0.25	0.074	ug/Kg	☼	11/29/22 10:30	11/30/22 11:02	1
Perfluorononanoic acid (PFNA)	0.25	U	0.25	0.043	ug/Kg	☼	11/29/22 10:30	11/30/22 11:02	1
Perfluorodecanoic acid (PFDA)	0.25	U	0.25	0.036	ug/Kg	☼	11/29/22 10:30	11/30/22 11:02	1
Perfluoroundecanoic acid (PFUnA)	0.25	U	0.25	0.034	ug/Kg	☼	11/29/22 10:30	11/30/22 11:02	1
Perfluorododecanoic acid (PFDoA)	0.25	U	0.25	0.032	ug/Kg	☼	11/29/22 10:30	11/30/22 11:02	1
Perfluorotridecanoic acid (PFTriA)	0.25	U	0.25	0.032	ug/Kg	☼	11/29/22 10:30	11/30/22 11:02	1
Perfluorotetradecanoic acid (PFTeA)	0.25	U	0.25	0.033	ug/Kg	☼	11/29/22 10:30	11/30/22 11:02	1
Perfluorobutanesulfonic acid (PFBS)	0.25	U	0.25	0.042	ug/Kg	☼	11/29/22 10:30	11/30/22 11:02	1
Perfluorohexanesulfonic acid (PFHxS)	0.25	U	0.25	0.052	ug/Kg	☼	11/29/22 10:30	11/30/22 11:02	1
Perfluoroheptanesulfonic acid (PFHpS)	0.25	U	0.25	0.029	ug/Kg	☼	11/29/22 10:30	11/30/22 11:02	1
Perfluorooctanesulfonic acid (PFOS)	0.25	U	0.25	0.14	ug/Kg	☼	11/29/22 10:30	11/30/22 11:02	1
Perfluorodecanesulfonic acid (PFDS)	0.25	U	0.25	0.024	ug/Kg	☼	11/29/22 10:30	11/30/22 11:02	1
Perfluorooctanesulfonamide (FOSA)	0.25	U	0.25	0.043	ug/Kg	☼	11/29/22 10:30	11/30/22 11:02	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.54	U	2.54	0.14	ug/Kg	☼	11/29/22 10:30	11/30/22 11:02	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.54	U	2.54	0.11	ug/Kg	☼	11/29/22 10:30	11/30/22 11:02	1
6:2 FTS	2.54	U	2.54	0.072	ug/Kg	☼	11/29/22 10:30	11/30/22 11:02	1
8:2 FTS	2.54	U	2.54	0.047	ug/Kg	☼	11/29/22 10:30	11/30/22 11:02	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	87		50 - 150	11/29/22 10:30	11/30/22 11:02	1
13C4 PFHpA	93		50 - 150	11/29/22 10:30	11/30/22 11:02	1
13C4 PFOA	91		50 - 150	11/29/22 10:30	11/30/22 11:02	1
13C4 PFOS	87		50 - 150	11/29/22 10:30	11/30/22 11:02	1
13C5 PFNA	93		50 - 150	11/29/22 10:30	11/30/22 11:02	1
13C4 PFBA	49 *		50 - 150	11/29/22 10:30	11/30/22 11:02	1
13C2 PFHxA	92		50 - 150	11/29/22 10:30	11/30/22 11:02	1
13C2 PFDA	95		50 - 150	11/29/22 10:30	11/30/22 11:02	1
13C2 PFUnA	92		50 - 150	11/29/22 10:30	11/30/22 11:02	1
13C2 PFDoA	86		50 - 150	11/29/22 10:30	11/30/22 11:02	1
13C8 FOSA	89		50 - 150	11/29/22 10:30	11/30/22 11:02	1
13C5 PFPeA	86		50 - 150	11/29/22 10:30	11/30/22 11:02	1
13C2 PFTeA	86		50 - 150	11/29/22 10:30	11/30/22 11:02	1
d3-NMeFOSAA	94		50 - 150	11/29/22 10:30	11/30/22 11:02	1
d5-NEtFOSAA	94		50 - 150	11/29/22 10:30	11/30/22 11:02	1
M2-6:2 FTS	94		50 - 150	11/29/22 10:30	11/30/22 11:02	1
M2-8:2 FTS	93		50 - 150	11/29/22 10:30	11/30/22 11:02	1
13C3 PFBS	89		50 - 150	11/29/22 10:30	11/30/22 11:02	1

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Isotope Dilution Summary

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

Job ID: 460-269761-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFHxS (50-150)	C4PFHA (50-150)	PFOA (50-150)	PFOS (50-150)	PFNA (50-150)	PFBA (50-150)	PFHxA (50-150)	PFDA (50-150)
460-269761-1	BCS-09-06_(0-5.5)P	95	95	89	91	99	88	96	98
460-269761-1 MS	BCS-09-06_(0-5.5)P	85	90	90	87	88	71	89	98
460-269761-1 MSD	BCS-09-06_(0-5.5)P	89	93	91	90	90	87	92	101
460-269761-2	BCS-09-07_(0-5.5)P	87	93	89	87	91	73	90	93
460-269761-3	BCS-09-08_(0-5.5)P	90	90	89	90	97	77	92	99
460-269761-4	BCS-09-09_(0-5.5)P	84	84	83	83	87	87	87	87
460-269761-5	BCS-09-10_(0-5.5)P	87	93	91	87	93	49 *	92	95
LCS 200-186147/2-A	Lab Control Sample	83	79	82	83	83	71	81	87
MB 200-186147/1-A	Method Blank	93	91	87	91	95	83	95	96

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFUnA (50-150)	PFDaA (50-150)	PFOSA (50-150)	PFPeA (50-150)	PFTDA (50-150)	d3NMFOS (50-150)	d5NEFOS (50-150)	M262FTS (50-150)
460-269761-1	BCS-09-06_(0-5.5)P	93	87	92	89	107	92	92	93
460-269761-1 MS	BCS-09-06_(0-5.5)P	87	83	87	82	85	86	89	86
460-269761-1 MSD	BCS-09-06_(0-5.5)P	97	88	91	90	92	87	90	92
460-269761-2	BCS-09-07_(0-5.5)P	91	88	86	83	81	85	89	91
460-269761-3	BCS-09-08_(0-5.5)P	98	90	92	85	87	89	93	100
460-269761-4	BCS-09-09_(0-5.5)P	79	83	78	84	82	80	82	96
460-269761-5	BCS-09-10_(0-5.5)P	92	86	89	86	86	94	94	94
LCS 200-186147/2-A	Lab Control Sample	84	71	82	77	71	78	76	89
MB 200-186147/1-A	Method Blank	90	83	94	87	85	92	92	99

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)	
		M282FTS (50-150)	C3PFBS (50-150)
460-269761-1	BCS-09-06_(0-5.5)P	92	86
460-269761-1 MS	BCS-09-06_(0-5.5)P	90	81
460-269761-1 MSD	BCS-09-06_(0-5.5)P	92	86
460-269761-2	BCS-09-07_(0-5.5)P	93	85
460-269761-3	BCS-09-08_(0-5.5)P	94	89
460-269761-4	BCS-09-09_(0-5.5)P	98	81
460-269761-5	BCS-09-10_(0-5.5)P	93	89
LCS 200-186147/2-A	Lab Control Sample	83	81
MB 200-186147/1-A	Method Blank	96	93

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

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Isotope Dilution Summary

Client: Roux Environmental Eng & Geology DPC

Job ID: 460-269761-1

Project/Site: Inwood - Lot 9

d5NEFOS = d5-NEtFOSAA

M262FTS = M2-6:2 FTS

M282FTS = M2-8:2 FTS

C3PFBS = 13C3 PFBS

QC Sample Results

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

Job ID: 460-269761-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 200-186147/1-A

Matrix: Solid

Analysis Batch: 186193

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 186147

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		11/29/22 10:30	11/30/22 09:57	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.055	ug/Kg		11/29/22 10:30	11/30/22 09:57	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.046	ug/Kg		11/29/22 10:30	11/30/22 09:57	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.039	ug/Kg		11/29/22 10:30	11/30/22 09:57	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.058	ug/Kg		11/29/22 10:30	11/30/22 09:57	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.034	ug/Kg		11/29/22 10:30	11/30/22 09:57	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.028	ug/Kg		11/29/22 10:30	11/30/22 09:57	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.027	ug/Kg		11/29/22 10:30	11/30/22 09:57	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.025	ug/Kg		11/29/22 10:30	11/30/22 09:57	1
Perfluorotridecanoic acid (PFTriA)	0.20	U	0.20	0.025	ug/Kg		11/29/22 10:30	11/30/22 09:57	1
Perfluorotetradecanoic acid (PFTeA)	0.20	U	0.20	0.026	ug/Kg		11/29/22 10:30	11/30/22 09:57	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.033	ug/Kg		11/29/22 10:30	11/30/22 09:57	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.041	ug/Kg		11/29/22 10:30	11/30/22 09:57	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.023	ug/Kg		11/29/22 10:30	11/30/22 09:57	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.11	ug/Kg		11/29/22 10:30	11/30/22 09:57	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.019	ug/Kg		11/29/22 10:30	11/30/22 09:57	1
Perfluorooctanesulfonamide (FOSA)	0.20	U	0.20	0.034	ug/Kg		11/29/22 10:30	11/30/22 09:57	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	U	2.00	0.11	ug/Kg		11/29/22 10:30	11/30/22 09:57	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	U	2.00	0.083	ug/Kg		11/29/22 10:30	11/30/22 09:57	1
6:2 FTS	2.00	U	2.00	0.057	ug/Kg		11/29/22 10:30	11/30/22 09:57	1
8:2 FTS	2.00	U	2.00	0.037	ug/Kg		11/29/22 10:30	11/30/22 09:57	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	93		50 - 150	11/29/22 10:30	11/30/22 09:57	1
13C4 PFHpA	91		50 - 150	11/29/22 10:30	11/30/22 09:57	1
13C4 PFOA	87		50 - 150	11/29/22 10:30	11/30/22 09:57	1
13C4 PFOS	91		50 - 150	11/29/22 10:30	11/30/22 09:57	1
13C5 PFNA	95		50 - 150	11/29/22 10:30	11/30/22 09:57	1
13C4 PFBA	83		50 - 150	11/29/22 10:30	11/30/22 09:57	1
13C2 PFHxA	95		50 - 150	11/29/22 10:30	11/30/22 09:57	1
13C2 PFDA	96		50 - 150	11/29/22 10:30	11/30/22 09:57	1
13C2 PFUnA	90		50 - 150	11/29/22 10:30	11/30/22 09:57	1
13C2 PFDoA	83		50 - 150	11/29/22 10:30	11/30/22 09:57	1
13C8 FOSA	94		50 - 150	11/29/22 10:30	11/30/22 09:57	1
13C5 PFPeA	87		50 - 150	11/29/22 10:30	11/30/22 09:57	1
13C2 PFTeDA	85		50 - 150	11/29/22 10:30	11/30/22 09:57	1
d3-NMeFOSAA	92		50 - 150	11/29/22 10:30	11/30/22 09:57	1
d5-NEtFOSAA	92		50 - 150	11/29/22 10:30	11/30/22 09:57	1
M2-6:2 FTS	99		50 - 150	11/29/22 10:30	11/30/22 09:57	1
M2-8:2 FTS	96		50 - 150	11/29/22 10:30	11/30/22 09:57	1
13C3 PFBS	93		50 - 150	11/29/22 10:30	11/30/22 09:57	1

Eurofins Edison

QC Sample Results

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

Job ID: 460-269761-1

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

Lab Sample ID: LCS 200-186147/2-A

Matrix: Solid

Analysis Batch: 186193

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 186147

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	1.940		ug/Kg		97	60 - 140
Perfluoropentanoic acid (PFPeA)	2.00	1.980		ug/Kg		99	60 - 140
Perfluorohexanoic acid (PFHxA)	2.00	1.917		ug/Kg		96	60 - 140
Perfluoroheptanoic acid (PFHpA)	2.00	2.049		ug/Kg		102	60 - 140
Perfluorooctanoic acid (PFOA)	2.00	1.969		ug/Kg		98	60 - 140
Perfluorononanoic acid (PFNA)	2.00	1.950		ug/Kg		98	60 - 140
Perfluorodecanoic acid (PFDA)	2.00	1.883		ug/Kg		94	60 - 140
Perfluoroundecanoic acid (PFUnA)	2.00	1.944		ug/Kg		97	60 - 140
Perfluorododecanoic acid (PFDoA)	2.00	2.074		ug/Kg		104	60 - 140
Perfluorotridecanoic acid (PFTriA)	2.00	1.824		ug/Kg		91	60 - 140
Perfluorotetradecanoic acid (PFTeA)	2.00	1.945		ug/Kg		97	60 - 140
Perfluorobutanesulfonic acid (PFBS)	1.77	1.678		ug/Kg		95	60 - 140
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.766		ug/Kg		97	60 - 140
Perfluoroheptanesulfonic acid (PFHpS)	1.90	1.899		ug/Kg		100	60 - 140
Perfluorooctanesulfonic acid (PFOS)	1.86	1.752		ug/Kg		94	60 - 140
Perfluorodecanesulfonic acid (PFDS)	1.93	1.766		ug/Kg		92	60 - 140
Perfluorooctanesulfonamide (FOSA)	2.00	1.927		ug/Kg		96	60 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.056		ug/Kg		103	60 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.069		ug/Kg		103	60 - 140
6:2 FTS	1.90	1.869	J	ug/Kg		99	50 - 150
8:2 FTS	1.92	1.944	J	ug/Kg		101	60 - 140

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
18O2 PFHxS	83		50 - 150
13C4 PFHpA	79		50 - 150
13C4 PFOA	82		50 - 150
13C4 PFOS	83		50 - 150
13C5 PFNA	83		50 - 150
13C4 PFBA	71		50 - 150
13C2 PFHxA	81		50 - 150
13C2 PFDA	87		50 - 150
13C2 PFUnA	84		50 - 150
13C2 PFDoA	71		50 - 150
13C8 FOSA	82		50 - 150
13C5 PFPeA	77		50 - 150
13C2 PFTeDA	71		50 - 150
d3-NMeFOSAA	78		50 - 150
d5-NEtFOSAA	76		50 - 150
M2-6:2 FTS	89		50 - 150

Eurofins Edison

QC Sample Results

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

Job ID: 460-269761-1

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

Lab Sample ID: LCS 200-186147/2-A

Matrix: Solid

Analysis Batch: 186193

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 186147

	LCS	LCS	
Isotope Dilution	%Recovery	Qualifier	Limits
M2-8:2 FTS	83		50 - 150
13C3 PFBS	81		50 - 150

Lab Sample ID: 460-269761-1 MS

Matrix: Solid

Analysis Batch: 186193

Client Sample ID: BCS-09-06_(0-5.5)P

Prep Type: Total/NA

Prep Batch: 186147

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.60	U	2.45	2.384		ug/Kg	☼	97	60 - 140
Perfluoropentanoic acid (PFPeA)	0.24	U	2.45	2.400		ug/Kg	☼	98	60 - 140
Perfluorohexanoic acid (PFHxA)	0.24	U	2.45	2.255		ug/Kg	☼	92	60 - 140
Perfluoroheptanoic acid (PFHpA)	0.24	U	2.45	2.241		ug/Kg	☼	92	60 - 140
Perfluorooctanoic acid (PFOA)	0.24	U	2.45	2.234		ug/Kg	☼	91	60 - 140
Perfluorononanoic acid (PFNA)	0.24	U	2.45	2.455		ug/Kg	☼	100	60 - 140
Perfluorodecanoic acid (PFDA)	0.24	U	2.45	2.267		ug/Kg	☼	93	60 - 140
Perfluoroundecanoic acid (PFUnA)	0.24	U	2.45	2.429		ug/Kg	☼	99	60 - 140
Perfluorododecanoic acid (PFDoA)	0.24	U	2.45	2.370		ug/Kg	☼	97	60 - 140
Perfluorotridecanoic acid (PFTriA)	0.24	U	2.45	2.389		ug/Kg	☼	98	60 - 140
Perfluorotetradecanoic acid (PFTeA)	0.24	U	2.45	2.320		ug/Kg	☼	95	60 - 140
Perfluorobutanesulfonic acid (PFBS)	0.24	U	2.16	2.070		ug/Kg	☼	96	60 - 140
Perfluorohexanesulfonic acid (PFHxS)	0.24	U	2.23	2.231		ug/Kg	☼	100	60 - 140
Perfluoroheptanesulfonic acid (PFHpS)	0.24	U	2.33	2.227		ug/Kg	☼	96	60 - 140
Perfluorooctanesulfonic acid (PFOS)	0.24	U	2.27	2.162		ug/Kg	☼	95	60 - 140
Perfluorodecanesulfonic acid (PFDS)	0.24	U	2.36	2.143		ug/Kg	☼	91	60 - 140
Perfluorooctanesulfonamide (FOSA)	0.24	U	2.45	2.393		ug/Kg	☼	98	60 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.41	U	2.45	2.408	J	ug/Kg	☼	98	60 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.41	U	2.45	2.264	J	ug/Kg	☼	93	60 - 140
6:2 FTS	2.41	U	2.32	2.430	J	ug/Kg	☼	105	50 - 150
8:2 FTS	2.41	U	2.34	2.172	J	ug/Kg	☼	93	60 - 140

	MS	MS	
Isotope Dilution	%Recovery	Qualifier	Limits
18O2 PFHxS	85		50 - 150
13C4 PFHpA	90		50 - 150
13C4 PFOA	90		50 - 150
13C4 PFOS	87		50 - 150
13C5 PFNA	88		50 - 150
13C4 PFBA	71		50 - 150
13C2 PFHxA	89		50 - 150
13C2 PFDA	98		50 - 150
13C2 PFUnA	87		50 - 150

Eurofins Edison

QC Sample Results

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

Job ID: 460-269761-1

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

Lab Sample ID: 460-269761-1 MS

Matrix: Solid

Analysis Batch: 186193

Client Sample ID: BCS-09-06_(0-5.5)P

Prep Type: Total/NA

Prep Batch: 186147

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>MS MS Qualifier</i>	<i>Limits</i>
13C2 PFD _o A	83		50 - 150
13C8 FOSA	87		50 - 150
13C5 PFP _e A	82		50 - 150
13C2 PFT _e DA	85		50 - 150
d3-NMeFOSAA	86		50 - 150
d5-NEtFOSAA	89		50 - 150
M2-6:2 FTS	86		50 - 150
M2-8:2 FTS	90		50 - 150
13C3 PFBS	81		50 - 150

Lab Sample ID: 460-269761-1 MSD

Matrix: Solid

Analysis Batch: 186193

Client Sample ID: BCS-09-06_(0-5.5)P

Prep Type: Total/NA

Prep Batch: 186147

<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)	0.60	U	2.40	2.345		ug/Kg	☼	98	60 - 140	2	30
Perfluoropentanoic acid (PFPeA)	0.24	U	2.40	2.349		ug/Kg	☼	98	60 - 140	2	30
Perfluorohexanoic acid (PFHxA)	0.24	U	2.40	2.305		ug/Kg	☼	96	60 - 140	2	30
Perfluoroheptanoic acid (PFHpA)	0.24	U	2.40	2.351		ug/Kg	☼	98	60 - 140	5	30
Perfluorooctanoic acid (PFOA)	0.24	U	2.40	2.344		ug/Kg	☼	98	60 - 140	5	30
Perfluorononanoic acid (PFNA)	0.24	U	2.40	2.478		ug/Kg	☼	103	60 - 140	1	30
Perfluorodecanoic acid (PFDA)	0.24	U	2.40	2.268		ug/Kg	☼	94	60 - 140	0	30
Perfluoroundecanoic acid (PFUnA)	0.24	U	2.40	2.388		ug/Kg	☼	99	60 - 140	2	30
Perfluorododecanoic acid (PFDoA)	0.24	U	2.40	2.410		ug/Kg	☼	100	60 - 140	2	30
Perfluorotridecanoic acid (PFTriA)	0.24	U	2.40	2.327		ug/Kg	☼	97	60 - 140	3	30
Perfluorotetradecanoic acid (PFTeA)	0.24	U	2.40	2.275		ug/Kg	☼	95	60 - 140	2	30
Perfluorobutanesulfonic acid (PFBS)	0.24	U	2.12	2.026		ug/Kg	☼	95	60 - 140	2	30
Perfluorohexanesulfonic acid (PFHxS)	0.24	U	2.19	2.163		ug/Kg	☼	99	60 - 140	3	30
Perfluoroheptanesulfonic acid (PFHpS)	0.24	U	2.29	2.238		ug/Kg	☼	98	60 - 140	0	30
Perfluorooctanesulfonic acid (PFOS)	0.24	U	2.23	2.119		ug/Kg	☼	95	60 - 140	2	30
Perfluorodecanesulfonic acid (PFDS)	0.24	U	2.32	2.273		ug/Kg	☼	98	60 - 140	6	30
Perfluorooctanesulfonamide (FOSA)	0.24	U	2.40	2.304		ug/Kg	☼	96	60 - 140	4	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.41	U	2.40	2.456		ug/Kg	☼	102	60 - 140	2	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.41	U	2.40	2.382	J	ug/Kg	☼	99	60 - 140	5	30
6:2 FTS	2.41	U	2.28	2.303	J	ug/Kg	☼	101	50 - 150	5	30
8:2 FTS	2.41	U	2.30	2.307	J	ug/Kg	☼	100	60 - 140	6	30

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>MSD MSD Qualifier</i>	<i>Limits</i>
18O2 PFHxS	89		50 - 150
13C4 PFHpA	93		50 - 150

Eurofins Edison

QC Sample Results

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

Job ID: 460-269761-1

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

Lab Sample ID: 460-269761-1 MSD

Matrix: Solid

Analysis Batch: 186193

Client Sample ID: BCS-09-06_(0-5.5)P

Prep Type: Total/NA

Prep Batch: 186147

Isotope Dilution	MSD		Limits
	%Recovery	Qualifier	
13C4 PFOA	91		50 - 150
13C4 PFOS	90		50 - 150
13C5 PFNA	90		50 - 150
13C4 PFBA	87		50 - 150
13C2 PFHxA	92		50 - 150
13C2 PFDA	101		50 - 150
13C2 PFUnA	97		50 - 150
13C2 PFDoA	88		50 - 150
13C8 FOSA	91		50 - 150
13C5 PFPeA	90		50 - 150
13C2 PFTeDA	92		50 - 150
d3-NMeFOSAA	87		50 - 150
d5-NEtFOSAA	90		50 - 150
M2-6:2 FTS	92		50 - 150
M2-8:2 FTS	92		50 - 150
13C3 PFBS	86		50 - 150

Definitions/Glossary

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

Job ID: 460-269761-1

Qualifiers

LCMS

Qualifier	Qualifier Description
*	Isotope Dilution analyte is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

Glossary

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

QC Association Summary

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

Job ID: 460-269761-1

LCMS

Prep Batch: 186147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-269761-1	BCS-09-06_(0-5.5)P	Total/NA	Solid	SHAKE	
460-269761-2	BCS-09-07_(0-5.5)P	Total/NA	Solid	SHAKE	
460-269761-3	BCS-09-08_(0-5.5)P	Total/NA	Solid	SHAKE	
460-269761-4	BCS-09-09_(0-5.5)P	Total/NA	Solid	SHAKE	
460-269761-5	BCS-09-10_(0-5.5)P	Total/NA	Solid	SHAKE	
MB 200-186147/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 200-186147/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
460-269761-1 MS	BCS-09-06_(0-5.5)P	Total/NA	Solid	SHAKE	
460-269761-1 MSD	BCS-09-06_(0-5.5)P	Total/NA	Solid	SHAKE	

Analysis Batch: 186193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-269761-1	BCS-09-06_(0-5.5)P	Total/NA	Solid	537 (modified)	186147
460-269761-2	BCS-09-07_(0-5.5)P	Total/NA	Solid	537 (modified)	186147
460-269761-3	BCS-09-08_(0-5.5)P	Total/NA	Solid	537 (modified)	186147
460-269761-4	BCS-09-09_(0-5.5)P	Total/NA	Solid	537 (modified)	186147
460-269761-5	BCS-09-10_(0-5.5)P	Total/NA	Solid	537 (modified)	186147
MB 200-186147/1-A	Method Blank	Total/NA	Solid	537 (modified)	186147
LCS 200-186147/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	186147
460-269761-1 MS	BCS-09-06_(0-5.5)P	Total/NA	Solid	537 (modified)	186147
460-269761-1 MSD	BCS-09-06_(0-5.5)P	Total/NA	Solid	537 (modified)	186147

General Chemistry

Analysis Batch: 186005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-269761-1	BCS-09-06_(0-5.5)P	Total/NA	Solid	Moisture	
460-269761-2	BCS-09-07_(0-5.5)P	Total/NA	Solid	Moisture	
460-269761-3	BCS-09-08_(0-5.5)P	Total/NA	Solid	Moisture	
460-269761-4	BCS-09-09_(0-5.5)P	Total/NA	Solid	Moisture	
460-269761-5	BCS-09-10_(0-5.5)P	Total/NA	Solid	Moisture	
200-65819-A-28 DU	Duplicate	Total/NA	Solid	Moisture	

Lab Chronicle

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

Job ID: 460-269761-1

Client Sample ID: BCS-09-06_(0-5.5)P

Date Collected: 11/17/22 13:35

Date Received: 11/17/22 20:00

Lab Sample ID: 460-269761-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	186005	RWM	EET BUR	11/21/22 13:53

Client Sample ID: BCS-09-06_(0-5.5)P

Date Collected: 11/17/22 13:35

Date Received: 11/17/22 20:00

Lab Sample ID: 460-269761-1

Matrix: Solid

Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			186147	ND	EET BUR	11/29/22 10:30
Total/NA	Analysis	537 (modified)		1	186193	ND	EET BUR	11/30/22 10:13

Client Sample ID: BCS-09-07_(0-5.5)P

Date Collected: 11/17/22 13:45

Date Received: 11/17/22 20:00

Lab Sample ID: 460-269761-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	186005	RWM	EET BUR	11/21/22 13:53

Client Sample ID: BCS-09-07_(0-5.5)P

Date Collected: 11/17/22 13:45

Date Received: 11/17/22 20:00

Lab Sample ID: 460-269761-2

Matrix: Solid

Percent Solids: 72.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			186147	ND	EET BUR	11/29/22 10:30
Total/NA	Analysis	537 (modified)		1	186193	ND	EET BUR	11/30/22 10:38

Client Sample ID: BCS-09-08_(0-5.5)P

Date Collected: 11/17/22 13:55

Date Received: 11/17/22 20:00

Lab Sample ID: 460-269761-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	186005	RWM	EET BUR	11/21/22 13:53

Client Sample ID: BCS-09-08_(0-5.5)P

Date Collected: 11/17/22 13:55

Date Received: 11/17/22 20:00

Lab Sample ID: 460-269761-3

Matrix: Solid

Percent Solids: 71.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			186147	ND	EET BUR	11/29/22 10:30
Total/NA	Analysis	537 (modified)		1	186193	ND	EET BUR	11/30/22 10:46

Client Sample ID: BCS-09-09_(0-5.5)P

Date Collected: 11/17/22 14:05

Date Received: 11/17/22 20:00

Lab Sample ID: 460-269761-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	186005	RWM	EET BUR	11/21/22 13:53

Eurofins Edison

Lab Chronicle

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

Job ID: 460-269761-1

Client Sample ID: BCS-09-09_(0-5.5)P

Lab Sample ID: 460-269761-4

Date Collected: 11/17/22 14:05

Matrix: Solid

Date Received: 11/17/22 20:00

Percent Solids: 73.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			186147	ND	EET BUR	11/29/22 10:30
Total/NA	Analysis	537 (modified)		1	186193	ND	EET BUR	11/30/22 10:54

Client Sample ID: BCS-09-10_(0-5.5)P

Lab Sample ID: 460-269761-5

Date Collected: 11/17/22 14:15

Matrix: Solid

Date Received: 11/17/22 20:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	186005	RWM	EET BUR	11/21/22 13:53

Client Sample ID: BCS-09-10_(0-5.5)P

Lab Sample ID: 460-269761-5

Date Collected: 11/17/22 14:15

Matrix: Solid

Date Received: 11/17/22 20:00

Percent Solids: 73.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			186147	ND	EET BUR	11/29/22 10:30
Total/NA	Analysis	537 (modified)		1	186193	ND	EET BUR	11/30/22 11:02

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 460-269761-1

Laboratory: Eurofins Burlington

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

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

Method PFC IDA

Fluorinated Hydrocarbons by Method
PFAS IDA

FORM II
PFAS SURROGATE RECOVERY

Lab Name: Eurofins Burlington Job No.: 460-269761-1
 SDG No.: _____
 Matrix: Solid Level: Low
 GC Column (1): C-18 ID: 4.6 (mm)

Client Sample ID	Lab Sample ID	PFBA #	PFPeA #	C3PFBS #	PFHxA #	PFHxS #	C4PFHA #	M262FTS #	PFOA #
BCS-09-06_(0-5.5)P	460-269761-1	88	89	86	96	95	95	93	89
BCS-09-07_(0-5.5)P	460-269761-2	73	83	85	90	87	93	91	89
BCS-09-08_(0-5.5)P	460-269761-3	77	85	89	92	90	90	100	89
BCS-09-09_(0-5.5)P	460-269761-4	87	84	81	87	84	84	96	83
BCS-09-10_(0-5.5)P	460-269761-5	49 *	86	89	92	87	93	94	91
	MB 200-186147/1-A	83	87	93	95	93	91	99	87
	LCS 200-186147/2-A	71	77	81	81	83	79	89	82
BCS-09-06_(0-5.5)P MS	460-269761-1 MS	71	82	81	89	85	90	86	90
BCS-09-06_(0-5.5)P MSD	460-269761-1 MSD	87	90	86	92	89	93	92	91

	<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.: 460-269761-1
 SDG No.: _____
 Matrix: Solid Level: Low
 GC Column (1): C-18 ID: 4.6 (mm)

Client Sample ID	Lab Sample ID	PFOS #	PFNA #	PFDA #	M282FTS #	PFOSA #	d3NMFOS #	PFUnA #	d5NEFOS #
BCS-09-06_(0-5.5)P	460-269761-1	91	99	98	92	92	92	93	92
BCS-09-07_(0-5.5)P	460-269761-2	87	91	93	93	86	85	91	89
BCS-09-08_(0-5.5)P	460-269761-3	90	97	99	94	92	89	98	93
BCS-09-09_(0-5.5)P	460-269761-4	83	87	87	98	78	80	79	82
BCS-09-10_(0-5.5)P	460-269761-5	87	93	95	93	89	94	92	94
	MB 200-186147/1-A	91	95	96	96	94	92	90	92
	LCS 200-186147/2-A	83	83	87	83	82	78	84	76
BCS-09-06_(0-5.5)P MS	460-269761-1 MS	87	88	98	90	87	86	87	89
BCS-09-06_(0-5.5)P MSD	460-269761-1 MSD	90	90	101	92	91	87	97	90

QC LIMITS

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

Column to be used to flag recovery values

FORM II 537 (modified)

FORM II
PFAS SURROGATE RECOVERY

Lab Name: Eurofins Burlington Job No.: 460-269761-1
 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-09-06_(0-5.5)P	460-269761-1	87	107
BCS-09-07_(0-5.5)P	460-269761-2	88	81
BCS-09-08_(0-5.5)P	460-269761-3	90	87
BCS-09-09_(0-5.5)P	460-269761-4	83	82
BCS-09-10_(0-5.5)P	460-269761-5	86	86
	MB 200-186147/1-A	83	85
	LCS 200-186147/2-A	71	71
BCS-09-06_(0-5.5)P MS	460-269761-1 MS	83	85
BCS-09-06_(0-5.5)P MSD	460-269761-1 MSD	88	92

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.: 460-269761-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: PA221130A07.d
 Lab ID: LCS 200-186147/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	2.00	1.940	97	60-140	
Perfluoropentanoic acid (PFPeA)	2.00	1.980	99	60-140	
Perfluorohexanoic acid (PFHxA)	2.00	1.917	96	60-140	
Perfluoroheptanoic acid (PFHpA)	2.00	2.049	102	60-140	
Perfluorooctanoic acid (PFOA)	2.00	1.969	98	60-140	
Perfluorononanoic acid (PFNA)	2.00	1.950	98	60-140	
Perfluorodecanoic acid (PFDA)	2.00	1.883	94	60-140	
Perfluoroundecanoic acid (PFUnA)	2.00	1.944	97	60-140	
Perfluorododecanoic acid (PFDoA)	2.00	2.074	104	60-140	
Perfluorotridecanoic acid (PFTriA)	2.00	1.824	91	60-140	
Perfluorotetradecanoic acid (PFTeA)	2.00	1.945	97	60-140	
Perfluorobutanesulfonic acid (PFBS)	1.77	1.678	95	60-140	
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.766	97	60-140	
Perfluoroheptanesulfonic acid (PFHpS)	1.90	1.899	100	60-140	
Perfluorooctanesulfonic acid (PFOS)	1.86	1.752	94	60-140	
Perfluorodecanesulfonic acid (PFDS)	1.93	1.766	92	60-140	
Perfluorooctanesulfonamide (FOSA)	2.00	1.927	96	60-140	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.056	103	60-140	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.069	103	60-140	
6:2 FTS	1.90	1.869 J	99	50-150	
8:2 FTS	1.92	1.944 J	101	60-140	
18O2 PFHxS	2.37	1.956	83	50-150	
13C4 PFHpA	2.50	1.973	79	50-150	
13C4 PFOA	2.50	2.057	82	50-150	
13C4 PFOS	2.39	1.990	83	50-150	
13C5 PFNA	2.50	2.066	83	50-150	
13C4 PFBA	2.50	1.767	71	50-150	
13C2 PFHxA	2.50	2.016	81	50-150	
13C2 PFDA	2.50	2.168	87	50-150	
13C2 PFUnA	2.50	2.109	84	50-150	
13C2 PFDoA	2.50	1.773	71	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.: 460-269761-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: PA221130A07.d
Lab ID: LCS 200-186147/2-A Client ID: _____

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
13C8 FOSA	2.50	2.062	82	50-150	
13C5 PFPeA	2.50	1.922	77	50-150	
13C2 PFTeDA	2.50	1.777	71	50-150	
d3-NMeFOSAA	2.50	1.953	78	50-150	
d5-NEtFOSAA	2.50	1.897	76	50-150	
M2-6:2 FTS	2.38	2.115	89	50-150	
M2-8:2 FTS	2.40	1.991	83	50-150	
13C3 PFBS	2.33	1.879	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.: 460-269761-1

SDG No.: _____

Matrix: Solid Level: Low Lab File ID: PA221130A09.d

Lab ID: 460-269761-1 MS Client ID: BCS-09-06_(0-5.5)P MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	2.45	0.60 U	2.384	97	60-140	
Perfluoropentanoic acid (PFPeA)	2.45	0.24 U	2.400	98	60-140	
Perfluorohexanoic acid (PFHxA)	2.45	0.24 U	2.255	92	60-140	
Perfluoroheptanoic acid (PFHpA)	2.45	0.24 U	2.241	92	60-140	
Perfluorooctanoic acid (PFOA)	2.45	0.24 U	2.234	91	60-140	
Perfluorononanoic acid (PFNA)	2.45	0.24 U	2.455	100	60-140	
Perfluorodecanoic acid (PFDA)	2.45	0.24 U	2.267	93	60-140	
Perfluoroundecanoic acid (PFUnA)	2.45	0.24 U	2.429	99	60-140	
Perfluorododecanoic acid (PFDoA)	2.45	0.24 U	2.370	97	60-140	
Perfluorotridecanoic acid (PFTrIA)	2.45	0.24 U	2.389	98	60-140	
Perfluorotetradecanoic acid (PFTeA)	2.45	0.24 U	2.320	95	60-140	
Perfluorobutanesulfonic acid (PFBS)	2.16	0.24 U	2.070	96	60-140	
Perfluorohexanesulfonic acid (PFHxS)	2.23	0.24 U	2.231	100	60-140	
Perfluoroheptanesulfonic acid (PFHpS)	2.33	0.24 U	2.227	96	60-140	
Perfluorooctanesulfonic acid (PFOS)	2.27	0.24 U	2.162	95	60-140	
Perfluorodecanesulfonic acid (PFDS)	2.36	0.24 U	2.143	91	60-140	
Perfluorooctanesulfonamide (FOSA)	2.45	0.24 U	2.393	98	60-140	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.45	2.41 U	2.408 J	98	60-140	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.45	2.41 U	2.264 J	93	60-140	
6:2 FTS	2.32	2.41 U	2.430 J	105	50-150	
8:2 FTS	2.34	2.41 U	2.172 J	93	60-140	
18O2 PFHxS	2.89	2.72	2.446	85	50-150	
13C4 PFHpA	3.06	2.88	2.748	90	50-150	
13C4 PFOA	3.06	2.67	2.752	90	50-150	
13C4 PFOS	2.92	2.63	2.543	87	50-150	
13C5 PFNA	3.06	2.98	2.681	88	50-150	
13C4 PFBA	3.06	2.65	2.184	71	50-150	
13C2 PFHxA	3.06	2.89	2.711	89	50-150	
13C2 PFDA	3.06	2.97	3.011	98	50-150	
13C2 PFUnA	3.06	2.81	2.654	87	50-150	
13C2 PFDoA	3.06	2.64	2.536	83	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.: 460-269761-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: PA221130A09.d
 Lab ID: 460-269761-1 MS Client ID: BCS-09-06_(0-5.5)P MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
13C8 FOSA	3.06	2.76	2.672	87	50-150	
13C5 PFPeA	3.06	2.68	2.500	82	50-150	
13C2 PFTeDA	3.06	3.21	2.611	85	50-150	
d3-NMeFOSAA	3.06	2.78	2.631	86	50-150	
d5-NEtFOSAA	3.06	2.78	2.712	89	50-150	
M2-6:2 FTS	2.90	2.65	2.494	86	50-150	
M2-8:2 FTS	2.93	2.67	2.649	90	50-150	
13C3 PFBS	2.84	2.42	2.300	81	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.: 460-269761-1
SDG No.: _____
Matrix: Solid Level: Low Lab File ID: PA221130A10.d
Lab ID: 460-269761-1 MSD Client ID: BCS-09-06_(0-5.5)P MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Perfluorobutanoic acid (PFBA)	2.40	2.345	98	2	30	60-140	
Perfluoropentanoic acid (PFPeA)	2.40	2.349	98	2	30	60-140	
Perfluorohexanoic acid (PFHxA)	2.40	2.305	96	2	30	60-140	
Perfluoroheptanoic acid (PFHpA)	2.40	2.351	98	5	30	60-140	
Perfluorooctanoic acid (PFOA)	2.40	2.344	98	5	30	60-140	
Perfluorononanoic acid (PFNA)	2.40	2.478	103	1	30	60-140	
Perfluorodecanoic acid (PFDA)	2.40	2.268	94	0	30	60-140	
Perfluoroundecanoic acid (PFUnA)	2.40	2.388	99	2	30	60-140	
Perfluorododecanoic acid (PFDoA)	2.40	2.410	100	2	30	60-140	
Perfluorotridecanoic acid (PFTrIA)	2.40	2.327	97	3	30	60-140	
Perfluorotetradecanoic acid (PFTeA)	2.40	2.275	95	2	30	60-140	
Perfluorobutanesulfonic acid (PFBS)	2.12	2.026	95	2	30	60-140	
Perfluorohexanesulfonic acid (PFHxS)	2.19	2.163	99	3	30	60-140	
Perfluoroheptanesulfonic acid (PFHpS)	2.29	2.238	98	0	30	60-140	
Perfluorooctanesulfonic acid (PFOS)	2.23	2.119	95	2	30	60-140	
Perfluorodecanesulfonic acid (PFDS)	2.32	2.273	98	6	30	60-140	
Perfluorooctanesulfonamide (FOSA)	2.40	2.304	96	4	30	60-140	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.40	2.456	102	2	30	60-140	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.40	2.382 J	99	5	30	60-140	
6:2 FTS	2.28	2.303 J	101	5	30	50-150	
8:2 FTS	2.30	2.307 J	100	6	30	60-140	
18O2 PFHxS	2.84	2.523	89			50-150	
13C4 PFHpA	3.00	2.796	93			50-150	
13C4 PFOA	3.00	2.735	91			50-150	
13C4 PFOS	2.87	2.575	90			50-150	
13C5 PFNA	3.00	2.709	90			50-150	
13C4 PFBA	3.00	2.608	87			50-150	
13C2 PFHxA	3.00	2.749	92			50-150	
13C2 PFDA	3.00	3.024	101			50-150	
13C2 PFUnA	3.00	2.903	97			50-150	
13C2 PFDoA	3.00	2.630	88			50-150	

Column to be used to flag recovery and RPD values

FORM III 537 (modified)

FORM III
PFAS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Burlington Job No.: 460-269761-1
 SDG No.: _____
 Matrix: Solid Level: Low Lab File ID: PA221130A10.d
 Lab ID: 460-269761-1 MSD Client ID: BCS-09-06_(0-5.5)P MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
13C8 FOSA	3.00	2.735	91			50-150	
13C5 PFPeA	3.00	2.701	90			50-150	
13C2 PFTeDA	3.00	2.758	92			50-150	
d3-NMeFOSAA	3.00	2.627	87			50-150	
d5-NEtFOSAA	3.00	2.712	90			50-150	
M2-6:2 FTS	2.85	2.633	92			50-150	
M2-8:2 FTS	2.88	2.636	92			50-150	
13C3 PFBS	2.79	2.415	86			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.: 460-269761-1
 SDG No.: _____
 Lab File ID: PA221130A06.d Lab Sample ID: MB 200-186147/1-A
 Matrix: Solid Date Extracted: 11/29/2022 10:30
 Instrument ID: LC812 Date Analyzed: 11/30/2022 09:57
 Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-186147/2-A	PA221130A07 .d	11/30/2022 10:05
BCS-09-06_(0-5.5)P	460-269761-1	PA221130A08 .d	11/30/2022 10:13
BCS-09-06_(0-5.5)P MS	460-269761-1 MS	PA221130A09 .d	11/30/2022 10:22
BCS-09-06_(0-5.5)P MSD	460-269761-1 MSD	PA221130A10 .d	11/30/2022 10:30
BCS-09-07_(0-5.5)P	460-269761-2	PA221130A11 .d	11/30/2022 10:38
BCS-09-08_(0-5.5)P	460-269761-3	PA221130A12 .d	11/30/2022 10:46
BCS-09-09_(0-5.5)P	460-269761-4	PA221130A13 .d	11/30/2022 10:54
BCS-09-10_(0-5.5)P	460-269761-5	PA221130A14 .d	11/30/2022 11:02

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Burlington Job No.: 460-269761-1
 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 200-186193/4		2366351	3.44				
CCVLIS 200-186193/5		2396680	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.: 460-269761-1
 SDG No.: _____
 Sample No.: CCVLIS 200-186193/5 Date Analyzed: 11/30/2022 09:49
 Instrument ID: LC812 GC Column: C-18 ID: 4.6 (mm)
 Lab File ID (Standard): PA221130A05.d Heated Purge: (Y/N) N
 Calibration ID: 49456

		13PFOA					
		AREA #	RT #	#	RT #	#	RT #
Low Level 12/24 HOUR STD		2396680	3.45				
UPPER LIMIT		3595020	3.65				
LOWER LIMIT		1198340	3.25				
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 200-186147/1-A		2257727	3.44				
LCS 200-186147/2-A		2492944	3.42				
460-269761-1	BCS-09-06_(0-5.5) P	2313082	3.42				
460-269761-1 MS	BCS-09-06_(0-5.5) P MS	2331192	3.42				
460-269761-1 MSD	BCS-09-06_(0-5.5) P MSD	2260033	3.43				
460-269761-2	BCS-09-07_(0-5.5) P	2380751	3.42				
460-269761-3	BCS-09-08_(0-5.5) P	2345041	3.45				
460-269761-4	BCS-09-09_(0-5.5) P	2341876	3.45				
460-269761-5	BCS-09-10_(0-5.5) P	2374225	3.44				
CCV 200-186193/20		2372304	3.43				

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.: 460-269761-1

SDG No.: _____

Client Sample ID: BCS-09-06_(0-5.5)P Lab Sample ID: 460-269761-1

Matrix: Solid Lab File ID: PA221130A08.d

Analysis Method: 537 (modified) Date Collected: 11/17/2022 13:35

Extraction Method: SHAKE Date Extracted: 11/29/2022 10:30

Sample wt/vol: 5.08(g) Date Analyzed: 11/30/2022 10:13

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

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

% Moisture: 18.4 % Solids: 81.6 GPC Cleanup: (Y/N) N

Cleanup Factor: _____

Analysis Batch No.: 186193 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.60	U	0.60	0.40
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.24	U	0.24	0.066
307-24-4	Perfluorohexanoic acid (PFHxA)	0.24	U	0.24	0.055
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.24	U	0.24	0.047
335-67-1	Perfluorooctanoic acid (PFOA)	0.24	U	0.24	0.070
375-95-1	Perfluorononanoic acid (PFNA)	0.24	U	0.24	0.041
335-76-2	Perfluorodecanoic acid (PFDA)	0.24	U	0.24	0.034
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.24	U	0.24	0.033
307-55-1	Perfluorododecanoic acid (PFDoA)	0.24	U	0.24	0.030
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.24	U	0.24	0.030
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.24	U	0.24	0.031
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.24	U	0.24	0.040
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.24	U	0.24	0.049
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.24	U	0.24	0.028
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.24	U	0.24	0.13
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.24	U	0.24	0.023
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.24	U	0.24	0.041
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.41	U	2.41	0.13
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.41	U	2.41	0.10
27619-97-2	6:2 FTS	2.41	U	2.41	0.069
39108-34-4	8:2 FTS	2.41	U	2.41	0.045

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-269761-1
 SDG No.: _____
 Client Sample ID: BCS-09-06_(0-5.5)P Lab Sample ID: 460-269761-1
 Matrix: Solid Lab File ID: PA221130A08.d
 Analysis Method: 537 (modified) Date Collected: 11/17/2022 13:35
 Extraction Method: SHAKE Date Extracted: 11/29/2022 10:30
 Sample wt/vol: 5.08(g) Date Analyzed: 11/30/2022 10:13
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6 (mm)
 % Moisture: 18.4 % Solids: 81.6 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186193 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	95		50-150
STL01892	13C4 PFHpA	95		50-150
STL00990	13C4 PFOA	89		50-150
STL00991	13C4 PFOS	91		50-150
STL00995	13C5 PFNA	99		50-150
STL00992	13C4 PFBA	88		50-150
STL00993	13C2 PFHxA	96		50-150
STL00996	13C2 PFDA	98		50-150
STL00997	13C2 PFUnA	93		50-150
STL00998	13C2 PFDoA	87		50-150
STL01056	13C8 FOSA	92		50-150
STL01893	13C5 PFPeA	89		50-150
STL02116	13C2 PFTeDA	107		50-150
STL02118	d3-NMeFOSAA	92		50-150
STL02117	d5-NEtFOSAA	92		50-150
STL02279	M2-6:2 FTS	93		50-150
STL02280	M2-8:2 FTS	92		50-150
STL02337	13C3 PFBS	86		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A08.d
 Lims ID: 460-269761-A-1-D
 Client ID: BCS-09-06_(0-5.5)P
 Sample Type: Client
 Inject. Date: 30-Nov-2022 10:13:51 ALS Bottle#: 5 Worklist Smp#: 8
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 460-269761-A-1-D
 Misc. Info.: 200-0053485-008 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 01-Dec-2022 08:24:50 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: CTX1681

First Level Reviewer: khanphomeea

Date: 01-Dec-2022 10:30:56

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.085	2.076	0.009	0.609	2283342	1.10		88.0	10155	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.076	0.009	1.000	64170	0.0341			5.6	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.386	2.387	-0.001	0.698	1757213	1.11		88.9	3130	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.373	2.387	-0.014	0.994	3902	0.002547			0.1	M
D 47 13C3 PFBS										
301.90 > 80.00	2.400	2.400	0.0	0.701	1724652	1.00		86.4	300381	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.400	2.400	0.0	1.000	2428	0.001430	Target=2.09		2.4	M
298.90 > 99.00	2.400	2.400	0.0	1.000	1057		2.30(1.04-3.13)		0.5	M
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.677	2.689	-0.012	0.995	197	0.000459			1.1	M
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.689	2.689	0.0	0.786	162794	1.07		91.9	150	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.725	2.725	0.0	0.797	1985273	1.20		95.9	4561	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.725	2.725	0.0	1.000	13004	0.007514	Target=14.25		2.4	M
313.00 > 119.00	2.725	2.725	0.0	1.000	1384		9.40(7.12-21.37)		2.5	M
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.823	2.835	-0.012	1.000	217	0.000719			2.9	M
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.823	2.835	-0.012	0.825	357073	1.22		97.7	1906	
D 11 18O2 PFHxS										
403.00 > 84.00	3.076	3.088	-0.012	0.899	1410897	1.13		95.4	5205	

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	3.076	3.088	-0.012	1.000	5007	0.003718	Target=3.66	13.1		M
399.00 > 99.00	3.076	3.088	-0.012	1.000	1826		2.74(1.83-5.49)	1.2		M
D 9 13C4 PFHpA										
367.00 > 322.00	3.076	3.099	-0.023	0.899	2032212	1.19		95.4	5509	
10 Perfluoroheptanoic acid										RM
363.00 > 319.00	3.076	3.099	-0.023	1.000	6474	0.003657	Target=3.97	1.2		RM
363.00 > 169.00	3.076	3.099	-0.023	1.000	983		6.59(1.98-5.95)	3.3		M
77 DONA										RM
377.00 > 251.00	3.121	3.132	-0.011	0.833	1099	0.000258	Target=3.16	1.4		RM
377.00 > 85.00	3.121	3.132	-0.011	0.833	857		1.28(1.58-4.73)	1.6		M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.413	3.439	-0.026	0.997	230567	1.10		92.5	343	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.413	3.439	-0.026	1.000	6576	0.004160		6.6		
D 14 13C4 PFOA										
417.00 > 372.00	3.421	3.448	-0.027	1.000	2120260	1.11		88.6	3151	
* 62 13C2 PFOA										
415.00 > 370.00	3.421	3.448	-0.027		2313082	1.25		5494		
15 Perfluorooctanoic acid										RM
413.00 > 369.00	3.439	3.448	-0.009	1.005	10115	0.005578	Target=2.79	0.6		RM
413.00 > 169.00	3.439	3.448	-0.009	1.005	2296		4.41(1.40-4.19)	2.9		M
D 18 13C4 PFOS										
503.00 > 80.00	3.745	3.764	-0.019	1.094	925501	1.09		91.2	2801	
17 Perfluorooctanesulfonic acid										RM
499.00 > 80.00	3.745	3.764	-0.019	1.000	7978	0.008470	Target=5.11	3.8		RM
499.00 > 99.00	3.596	3.764	-0.168	0.960	7536		1.06(2.55-7.66)	14.7		M
D 19 13C5 PFNA										
468.00 > 423.00	3.764	3.783	-0.019	1.100	2297210	1.23		98.7	6086	
D 23 13C2 PFDA										
515.00 > 470.00	4.081	4.081	0.0	1.193	2333886	1.23		98.4	3823	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.081	4.093	-0.012	1.193	284153	1.11		92.5	843	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.071	4.093	-0.022	0.997	126	0.000328		2.5		M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.150	4.150	0.0	1.000	11144	0.007494		18.4		M
D 21 13C8 FOSA										
506.00 > 78.00	4.150	4.150	0.0	1.213	1779273	1.14		91.5	2831	
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.228	4.228	0.0	1.236	445773	1.15		92.3	1536	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.238	4.228	0.010	1.002	901	-0.008690		4.1		M
D 30 13C2 PFUnA										
565.00 > 520.00	4.353	4.353	0.0	1.272	2025330	1.17		93.3	7336	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.376	4.365	0.011	1.003	1615	0.005150		13.0		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	1.276	437841	1.15		92.1	1253	
66 11-Chloroeicosafluoro-3-oxaundec										M
631.00 > 451.00	4.443	4.454	-0.011	1.186	1119	0.000336			6.8	M
37 Perfluorododecanoic acid										RM
613.00 > 569.00	4.591	4.591	0.0	1.002	3131	0.001910	Target=7.77		0.4	RM
613.00 > 169.00	4.567	4.591	-0.024	0.997	235		13.32(3.89-11.66)		3.8	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.580	4.591	-0.011	1.339	1933979	1.09		87.4	2220	
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.580	4.612	-0.032	1.122	225	0.000976			2.2	M
41 Perfluorotridecanoic acid										RM
663.00 > 619.00	4.794	4.804	-0.010	1.047	2187	0.001395	Target=5.21		0.2	RM
663.00 > 169.00	4.794	4.804	-0.010	1.047	257		8.51(2.60-7.81)		2.5	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	4.972	5.012	-0.040	1.002	440	0.001971	Target=0.89		5.1	M
713.00 > 219.00	4.982	5.012	-0.030	1.004	502		0.88(0.44-1.33)		4.3	M
D 43 13C2 PFTeDA										
715.00 > 670.00	4.962	5.012	-0.050	1.450	2038682	1.33		107	5534	
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.278	5.367	-0.089	1.000	24495	-0.002984	Target=5.65		2.5	M
813.00 > 169.00	5.278	5.367	-0.089	1.000	4212		5.82(2.82-8.47)		40.6	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.278	5.367	-0.089	1.543	2362449	1.25		99.9	3679	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.613	5.722	-0.109	1.064	1658	0.001065	Target=6.24		0.3	M
913.00 > 169.00	5.613	5.722	-0.109	1.064	250		6.63(3.12-9.36)		5.9	M

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A08.d

Injection Date: 30-Nov-2022 10:13:51

Instrument ID: LC812

Lims ID: 460-269761-A-1-D

Lab Sample ID: 200-269761-1

Client ID: BCS-09-06_(0-5.5)P

Operator ID: lc812tech

ALS Bottle#: 5

Worklist Smp#: 8

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

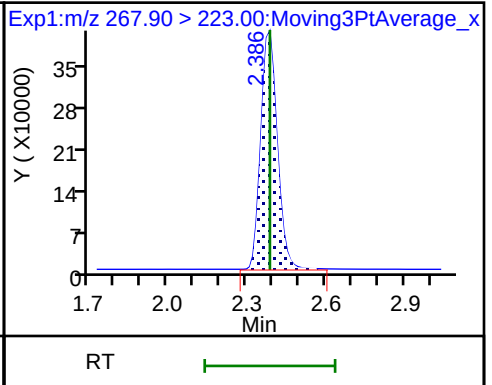
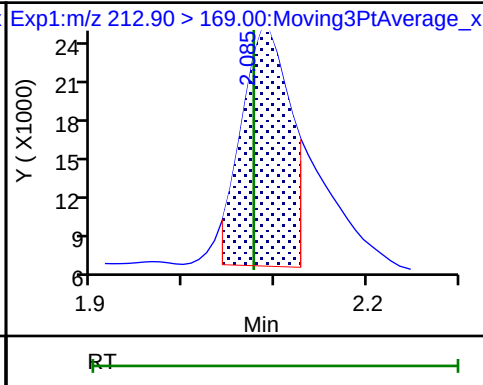
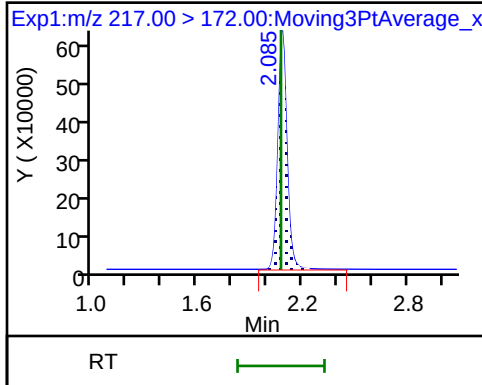
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

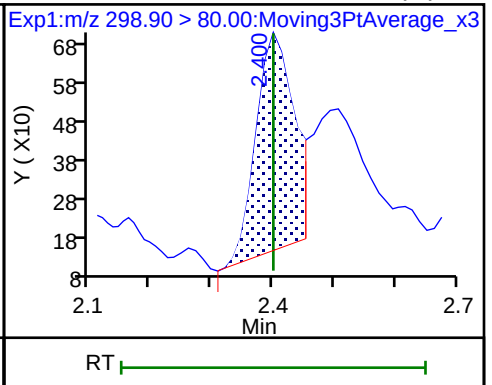
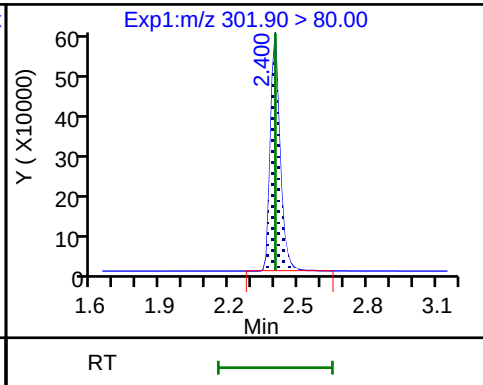
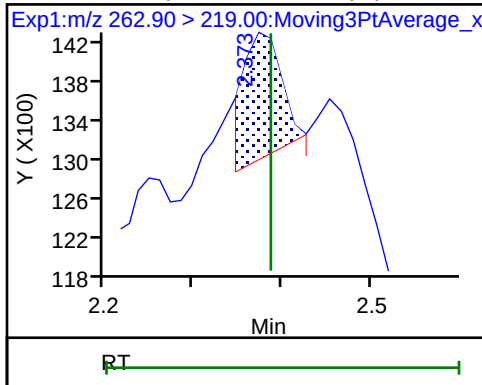
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS

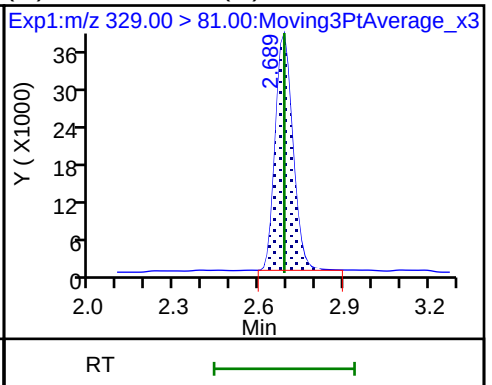
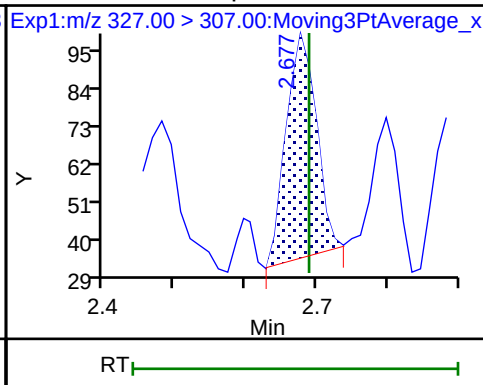
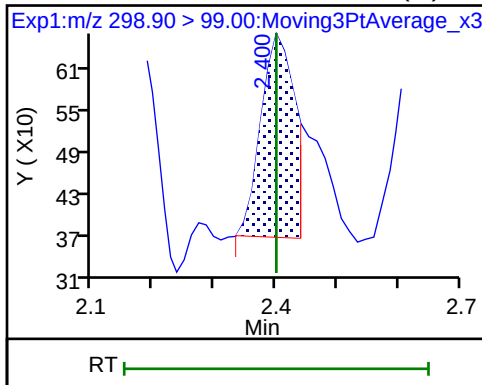
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

61 1H,1H,2H,2H-perfluorohexanesulfonate (M)

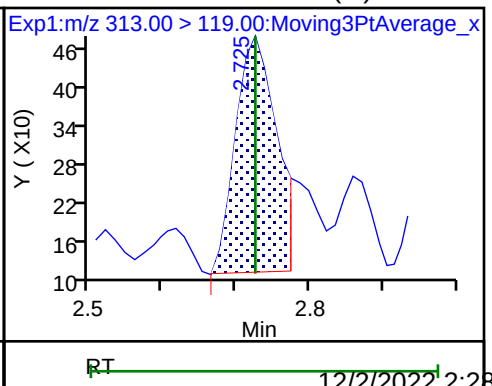
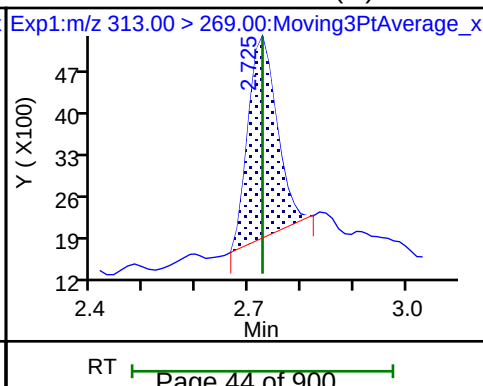
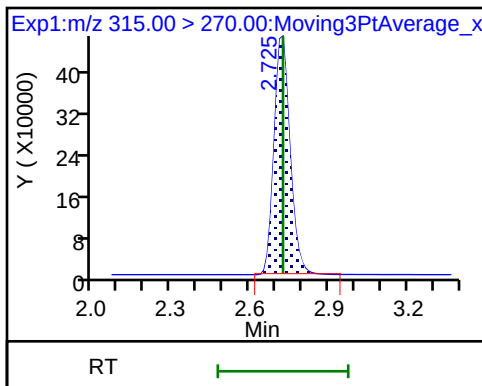
D 50 M2-4:2 FTS (M)



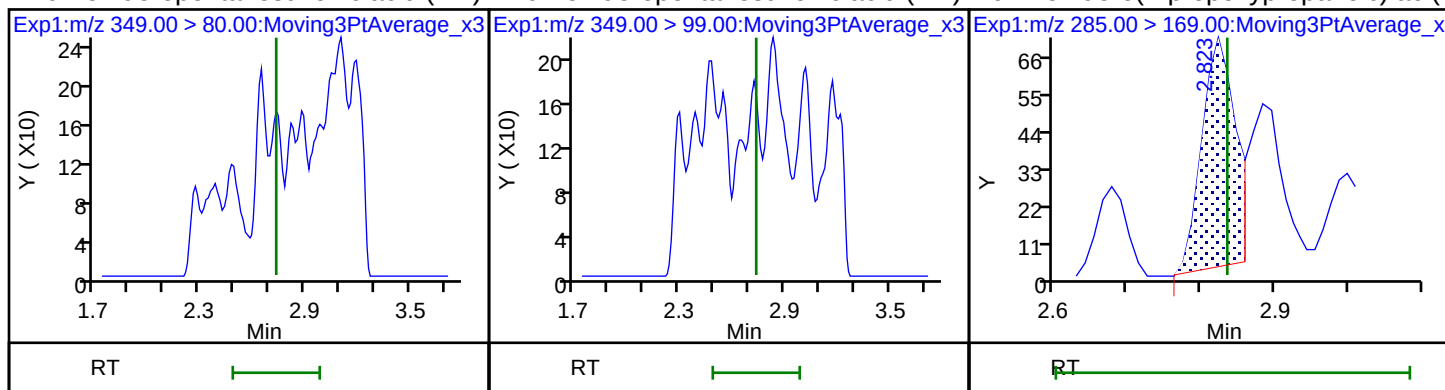
D 7 13C2 PFHxA

6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid (M)



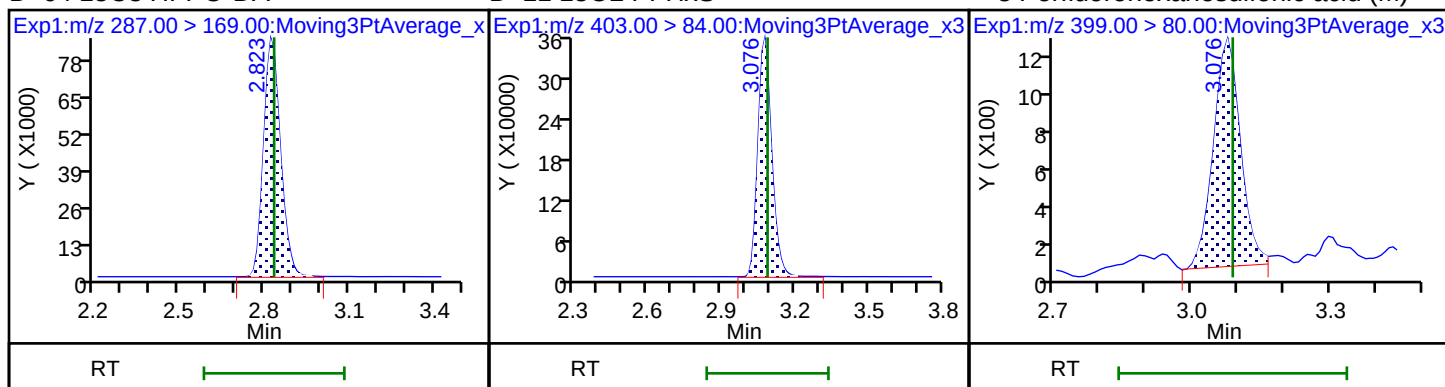
70 Perfluoropentanesulfonic acid (ND) 70 Perfluoropentanesulfonic acid (ND) 67 Perfluoro(2-propoxypropanoic) ac (M)



D 64 13C3 HFPO-DA

D 11 18O2 PFHxS

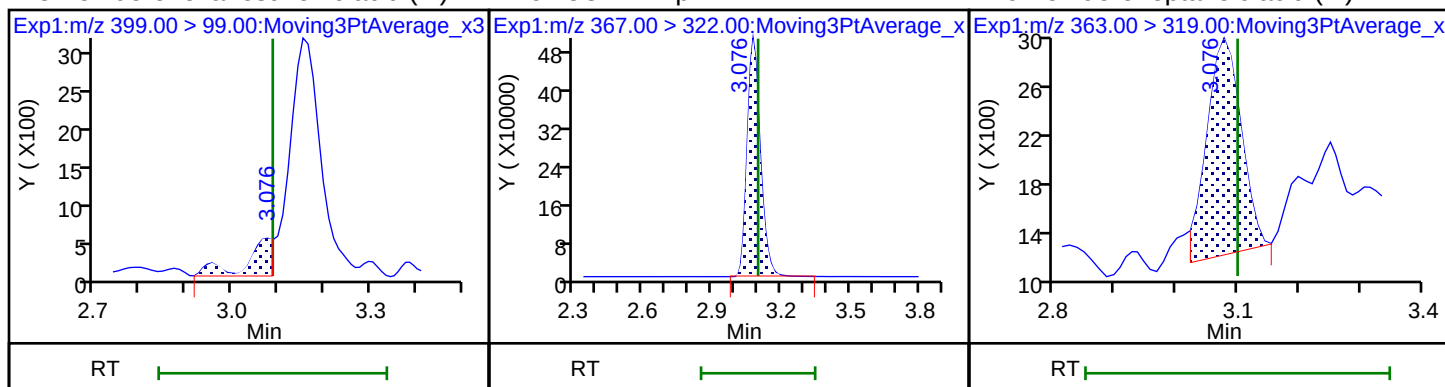
8 Perfluorohexanesulfonic acid (M)



8 Perfluorohexanesulfonic acid (M)

D 9 13C4 PFHpA

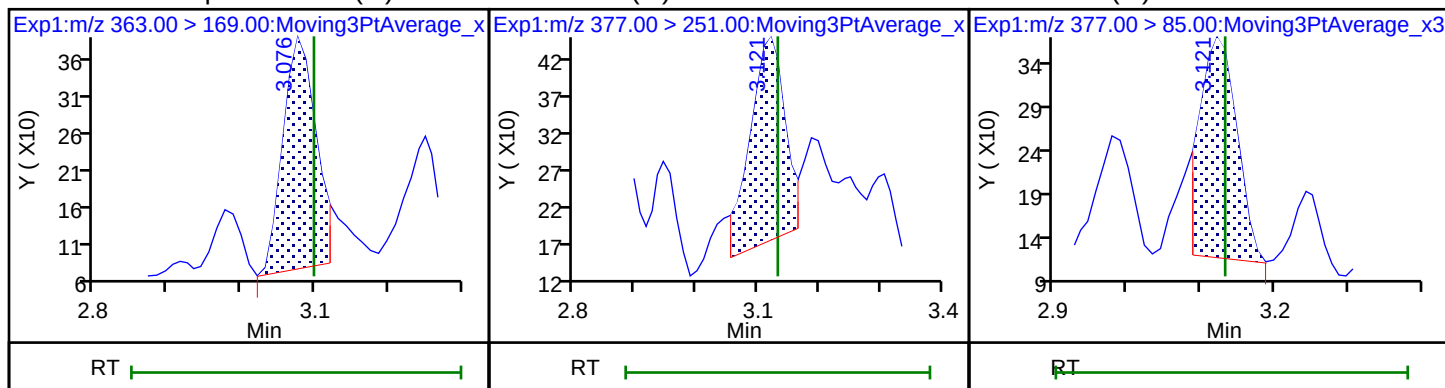
10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid (M)

77 DONA (M)

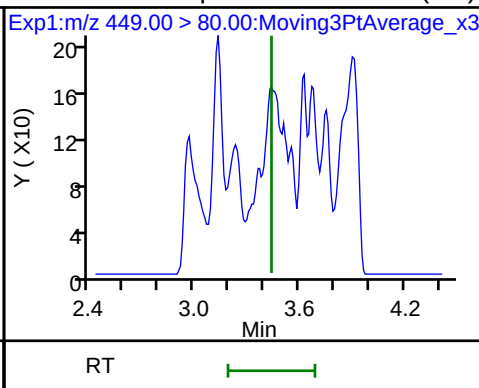
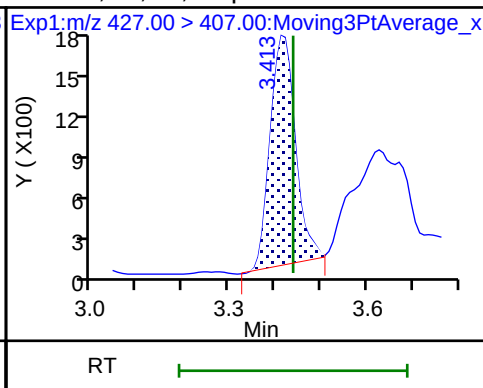
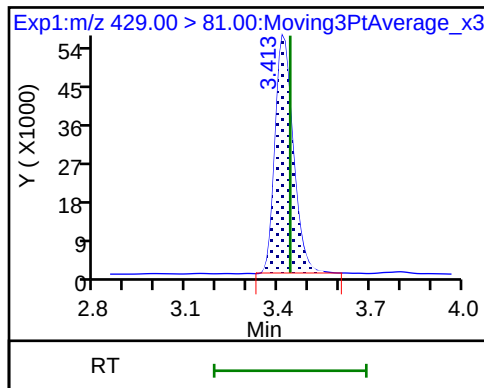
77 DONA (M)



D 12 M2-6:2 FTS

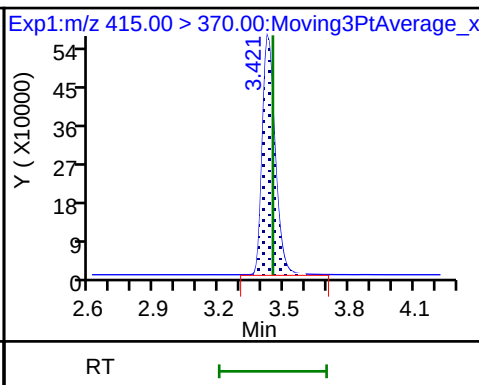
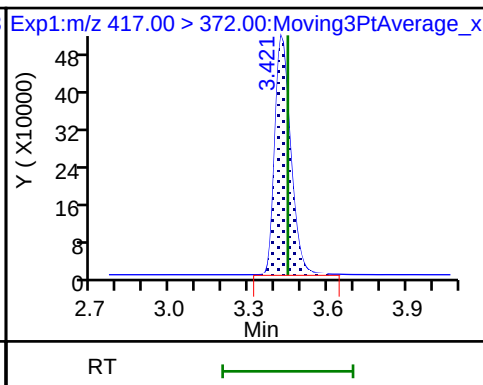
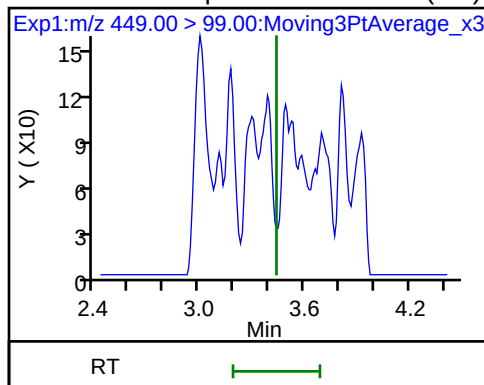
13 1H,1H,2H,2H-perfluorooctanesulfo

16 Perfluoroheptanesulfonic acid (ND)



16 Perfluoroheptanesulfonic acid (ND) D 14 13C4 PFOA

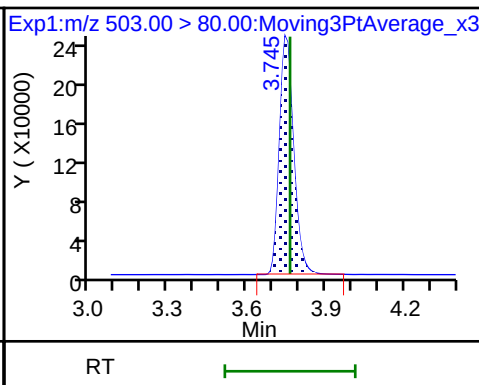
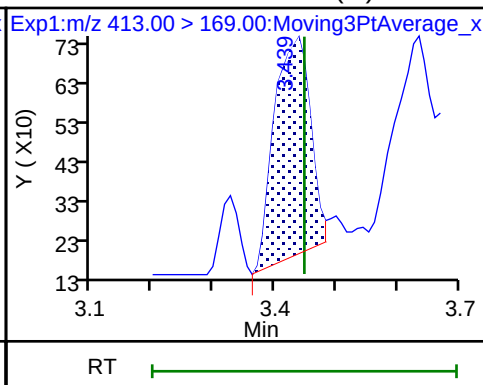
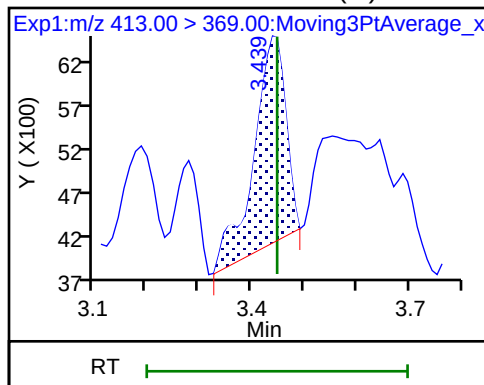
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

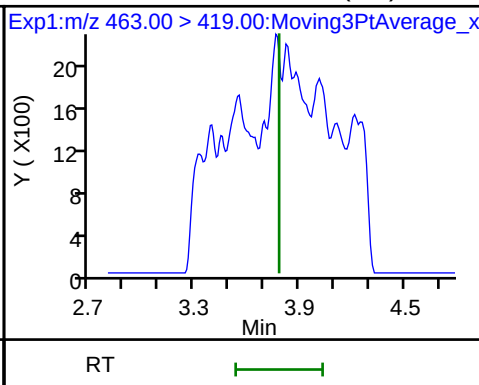
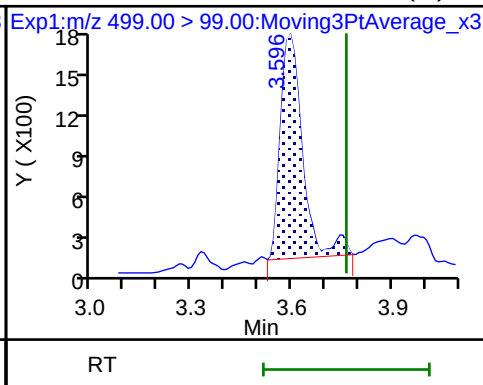
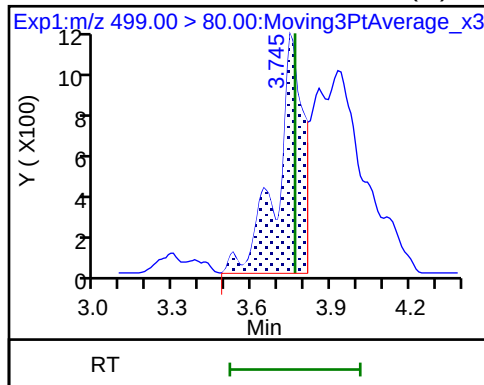
D 18 13C4 PFOS

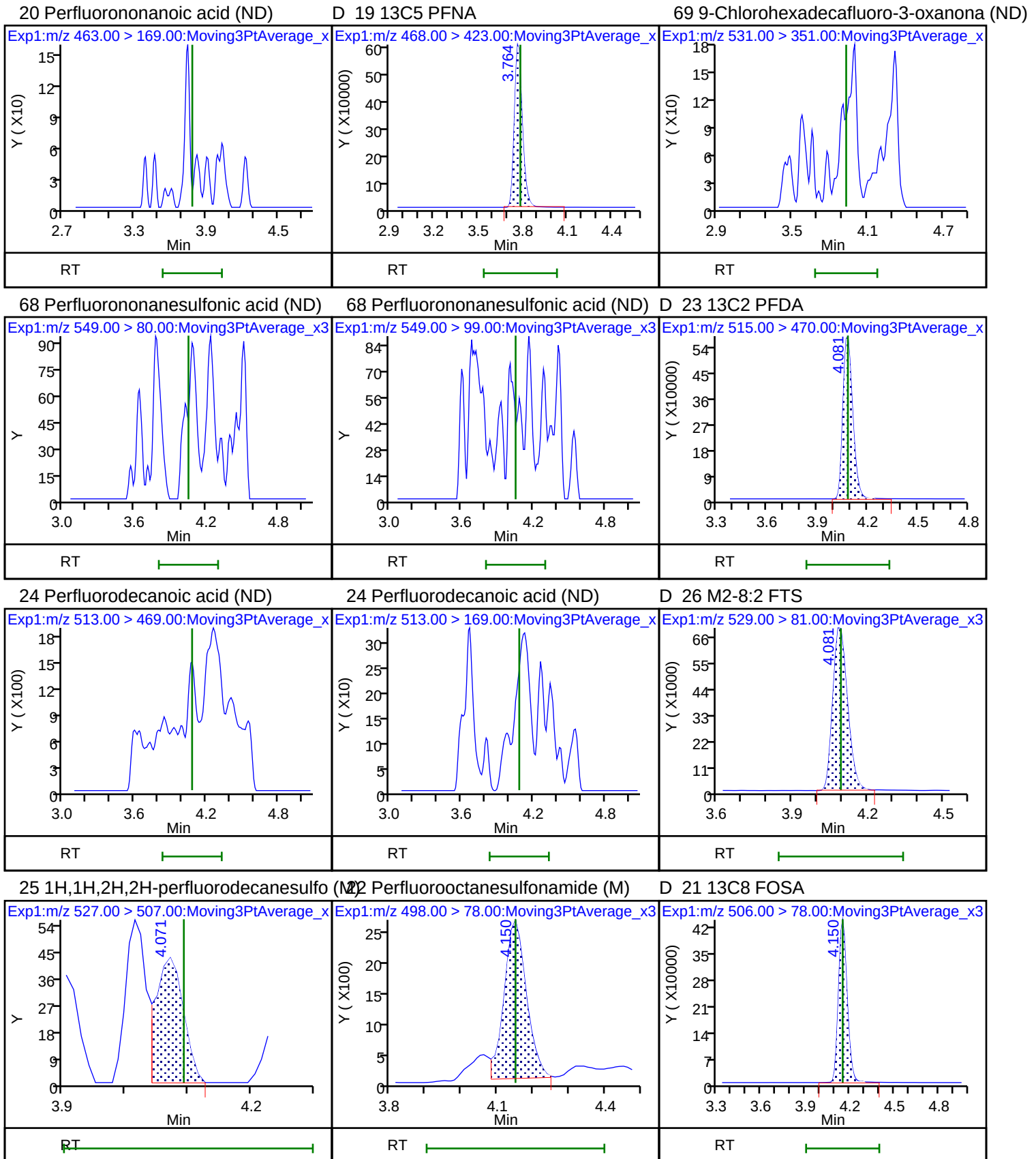


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid (ND)

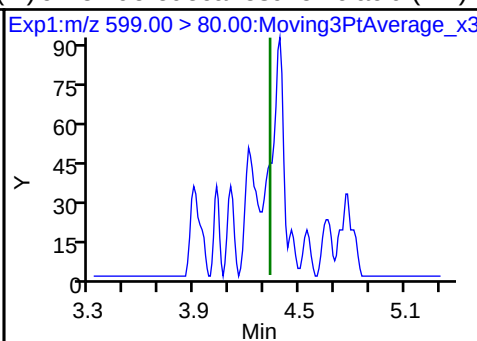
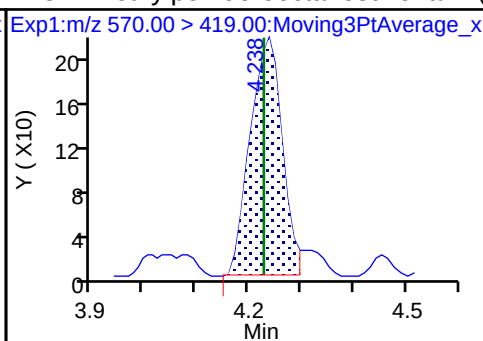
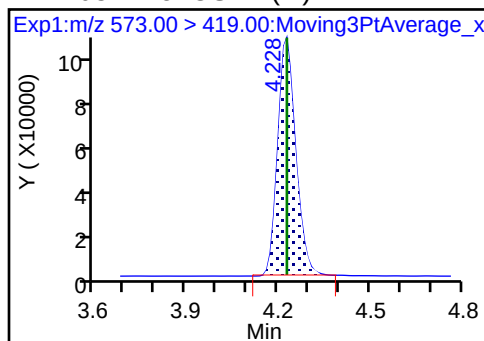




D 27 d3-NMeFOSAA (M)

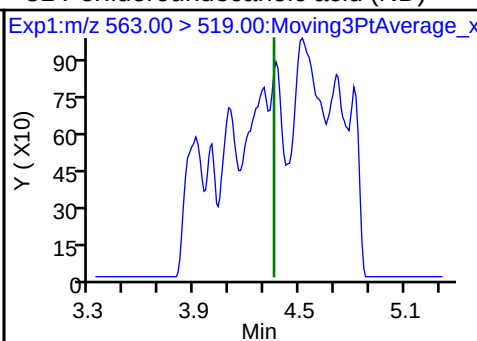
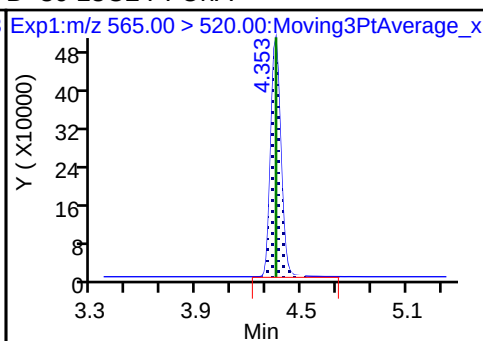
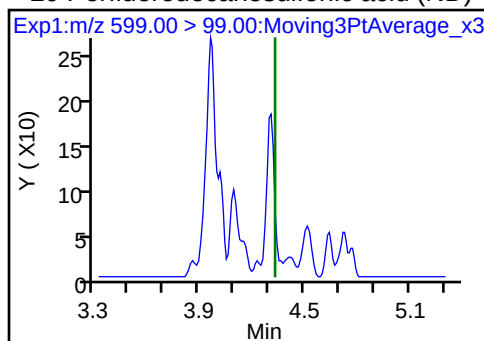
28 N-methylperfluorooctanesulfonami (M)

29 Perfluorodecanesulfonic acid (ND)



29 Perfluorodecanesulfonic acid (ND) D 30 13C2 PFUnA

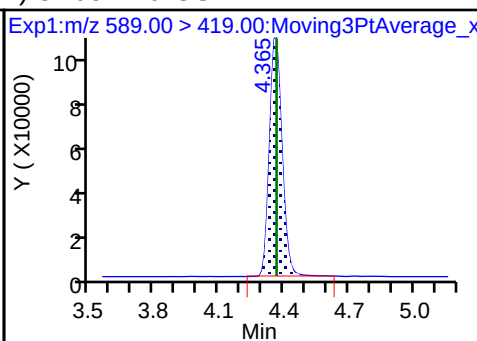
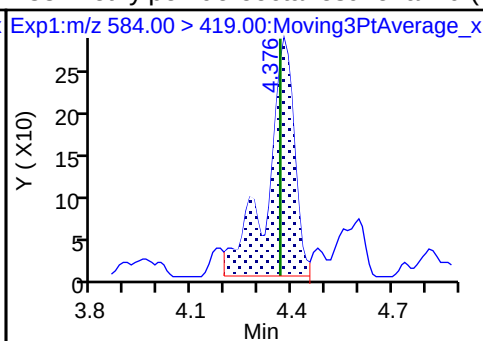
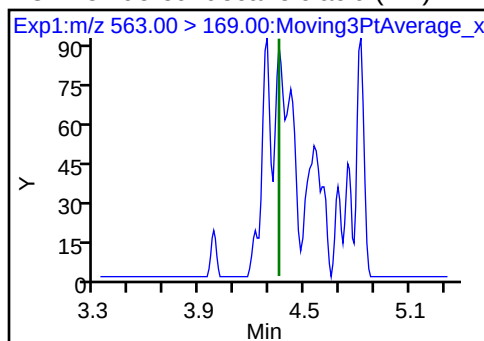
31 Perfluoroundecanoic acid (ND)



31 Perfluoroundecanoic acid (ND)

33 N-ethylperfluorooctanesulfonamid (ND)

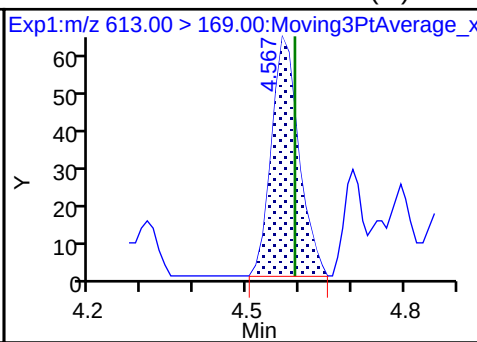
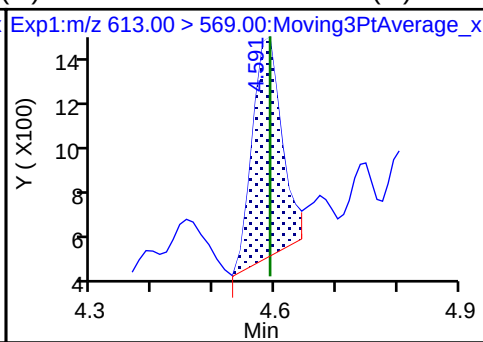
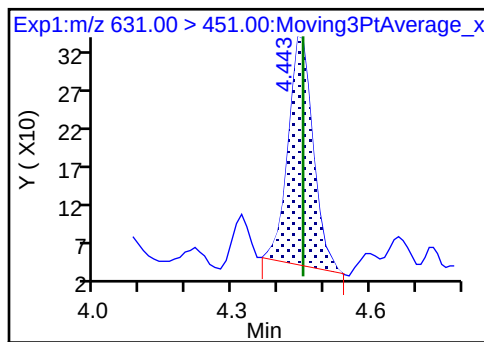
32 d5-NEtFOSAA



66 11-Chloroeicosafluoro-3-oxaundec (M)

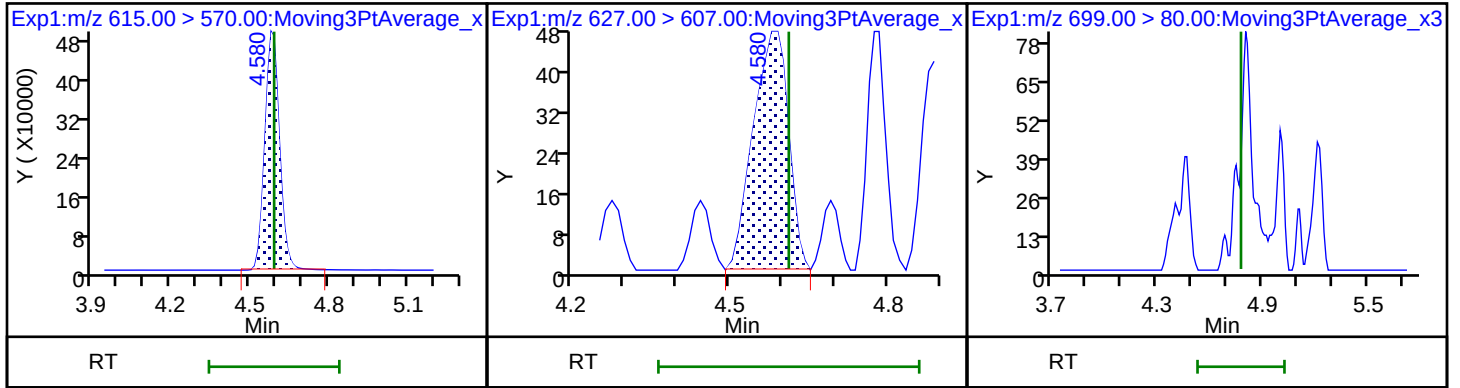
37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid (M)



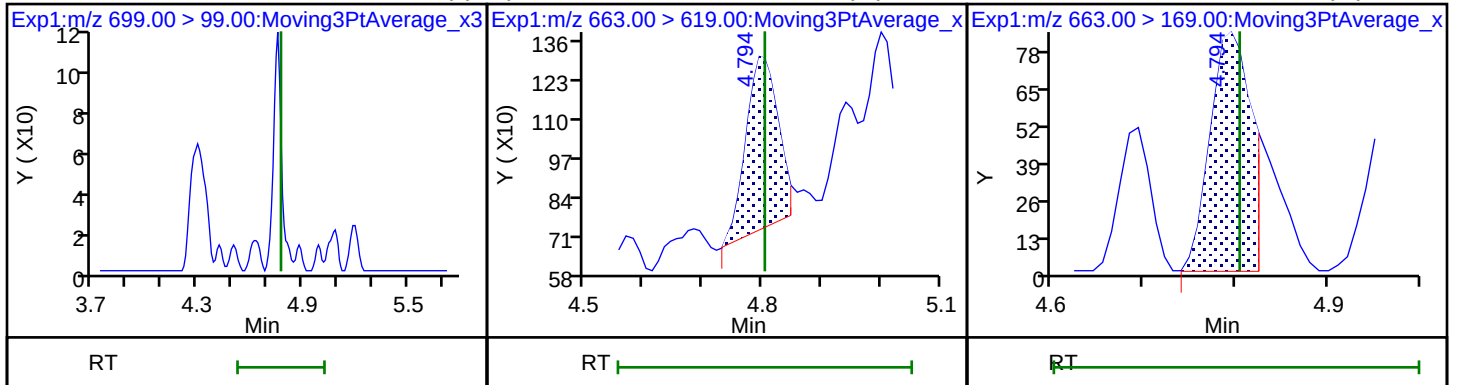
D 36 13C2 PFDaA

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



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

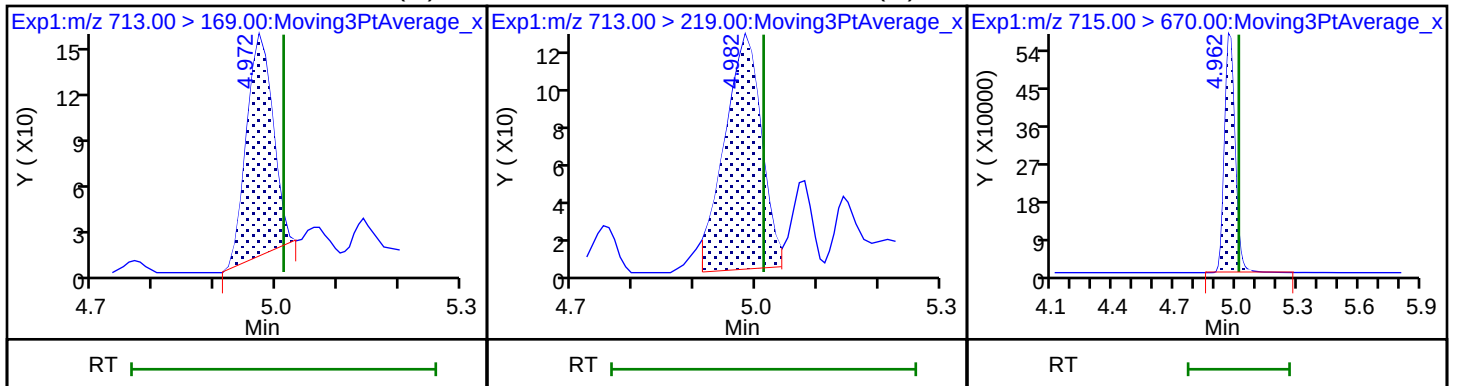
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

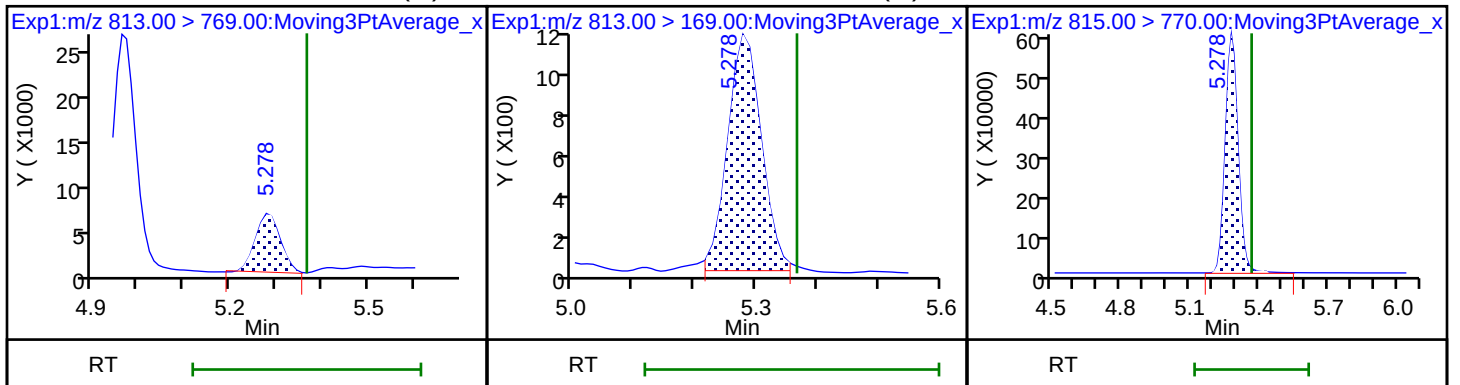
D 43 13C2 PFTeDA



45 Perfluorohexadecanoic acid (M)

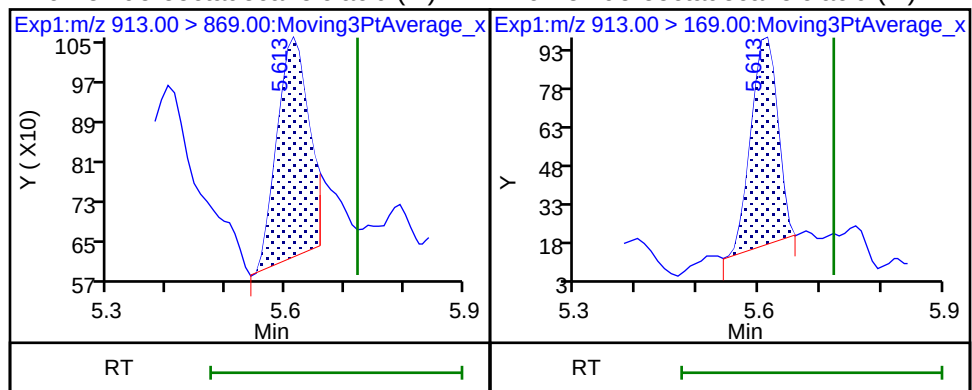
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

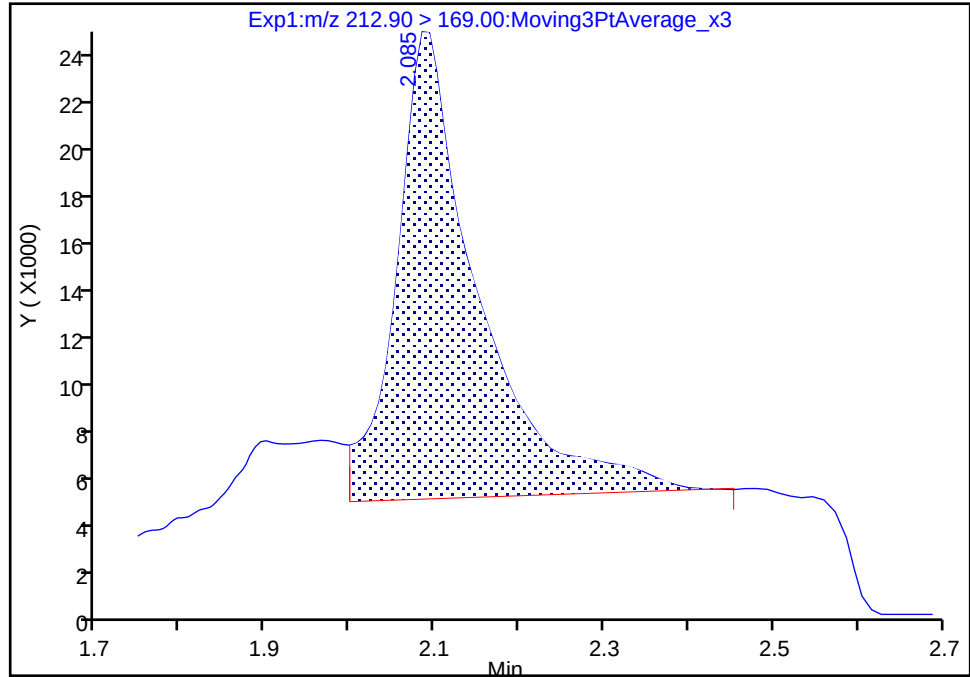
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A08.d		
Injection Date:	30-Nov-2022 10:13:51	Instrument ID:	LC812
Lims ID:	460-269761-A-1-D	Lab Sample ID:	200-269761-1
Client ID:	BCS-09-06_(0-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	8

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

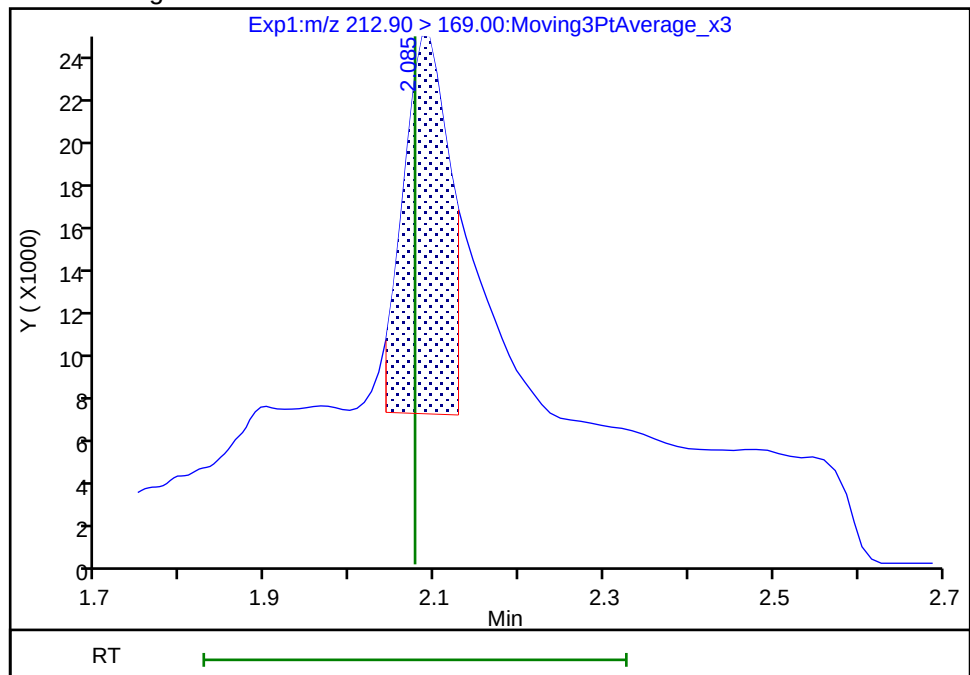
RT: 2.08
Area: 131579
Amount: 0.069853
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 64170
Amount: 0.034067
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:25:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

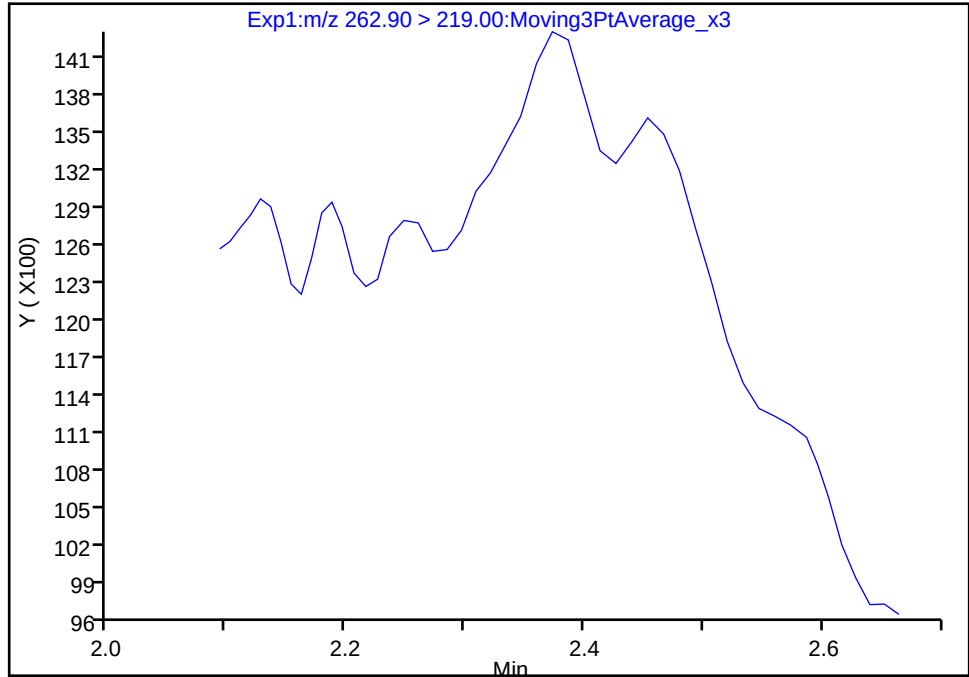
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A08.d
Injection Date: 30-Nov-2022 10:13:51 Instrument ID: LC812
Lims ID: 460-269761-A-1-D Lab Sample ID: 200-269761-1
Client ID: BCS-09-06_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. 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

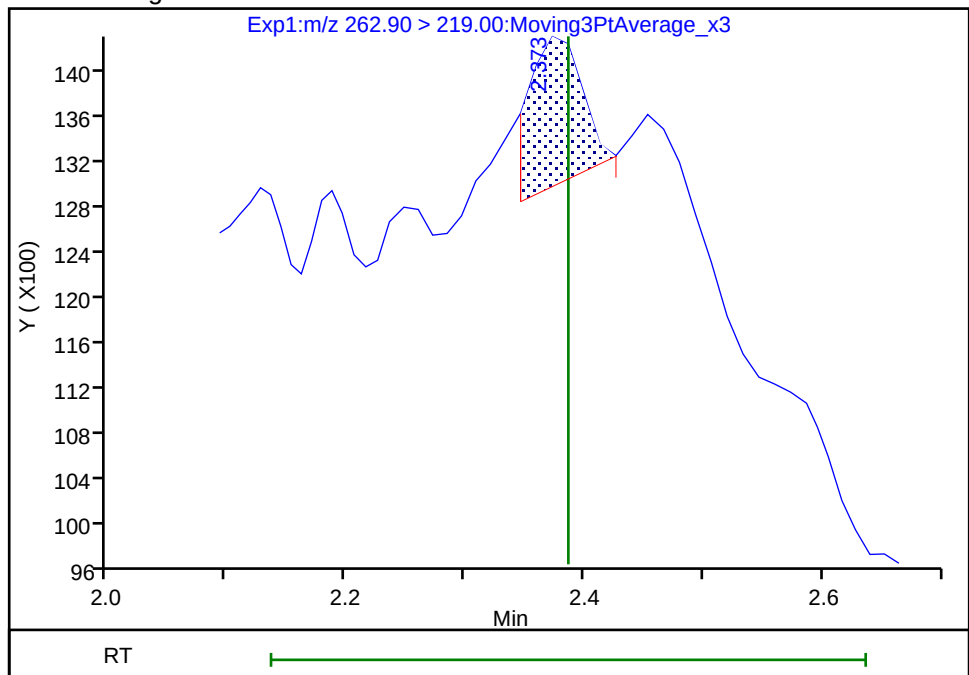
Signal: 1

Not Detected
Expected RT: 2.39

Processing Integration Results



Manual Integration Results



RT: 2.37
Area: 3902
Amount: 0.002547
Amount Units: ng/ml

Reviewer: khanphomeea, 01-Dec-2022 10:26:14

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

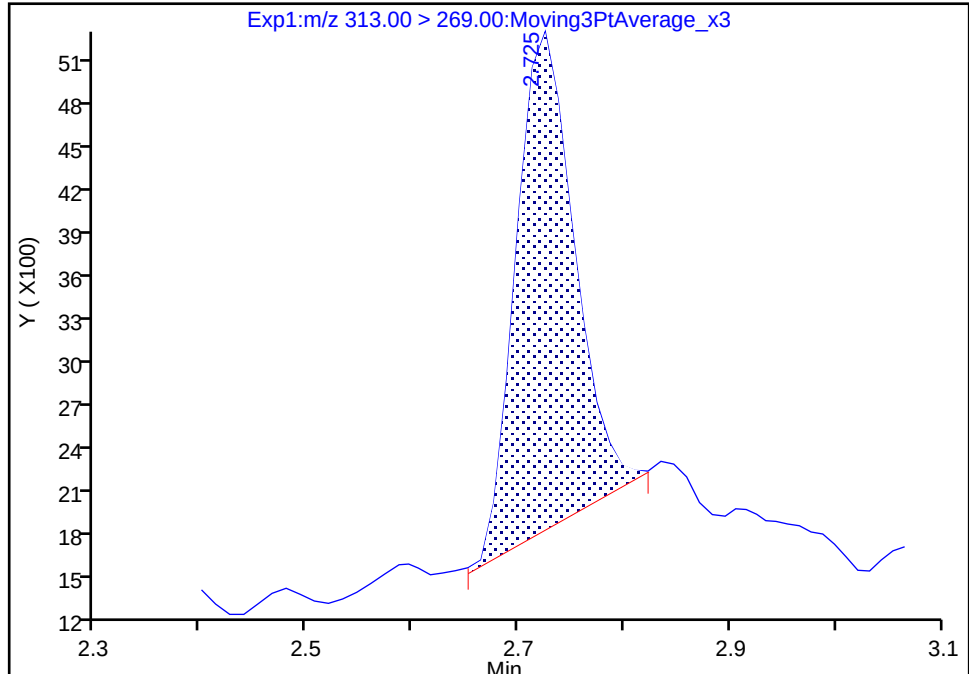
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A08.d		
Injection Date:	30-Nov-2022 10:13:51	Instrument ID:	LC812
Lims ID:	460-269761-A-1-D	Lab Sample ID:	200-269761-1
Client ID:	BCS-09-06_(0-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	8

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

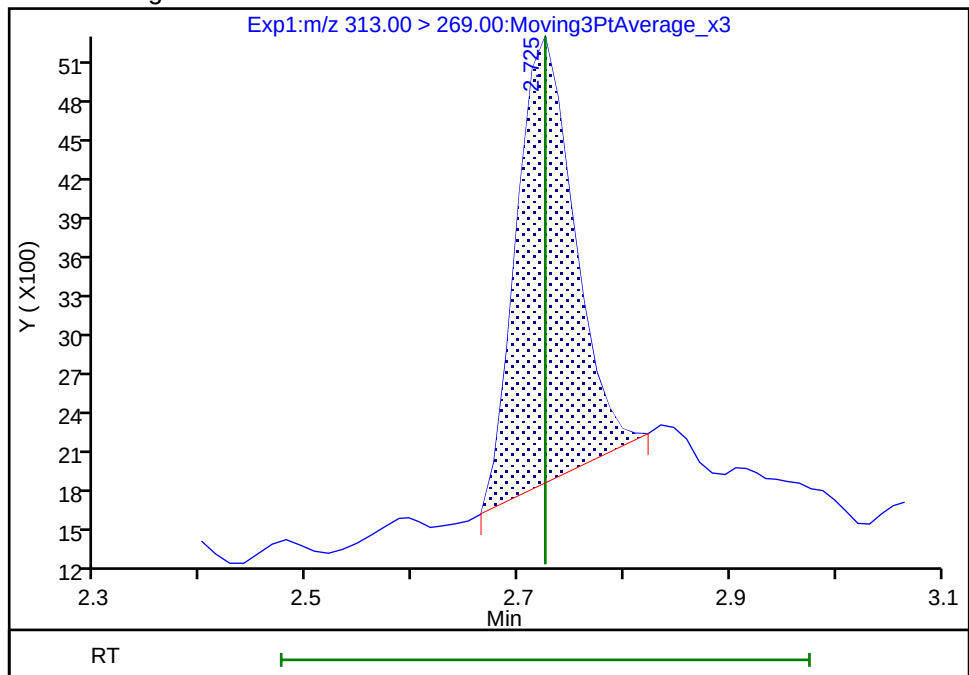
RT: 2.73
Area: 13221
Amount: 0.007640
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 13004
Amount: 0.007514
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:26:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

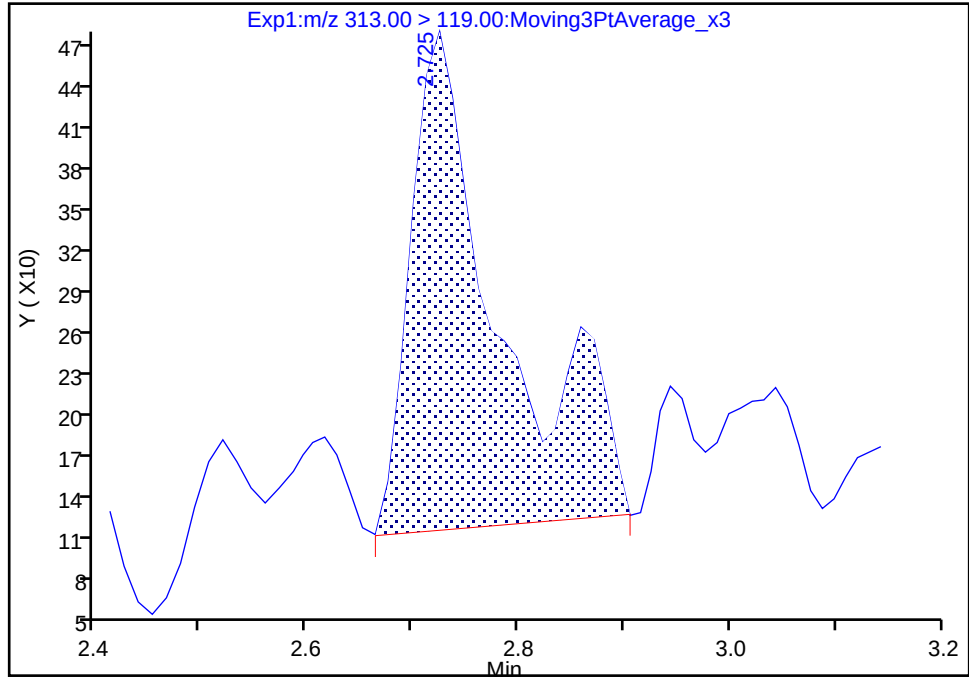
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A08.d
Injection Date: 30-Nov-2022 10:13:51 Instrument ID: LC812
Lims ID: 460-269761-A-1-D Lab Sample ID: 200-269761-1
Client ID: BCS-09-06_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

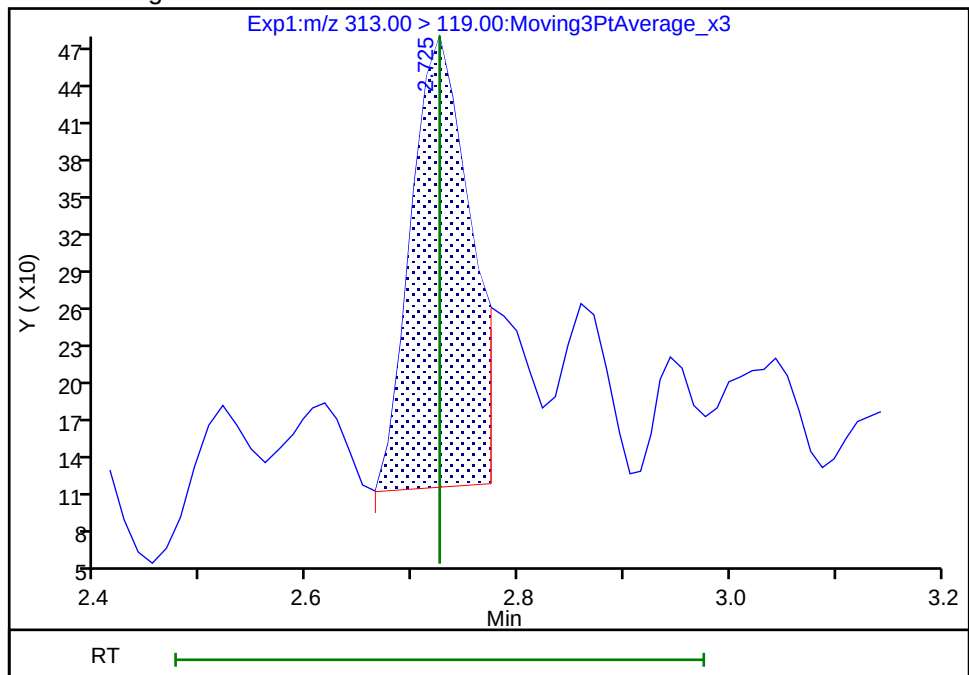
RT: 2.73
Area: 2136
Amount: 0.007640
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 1384
Amount: 0.007514
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:26:36

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

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Eurofins Burlington

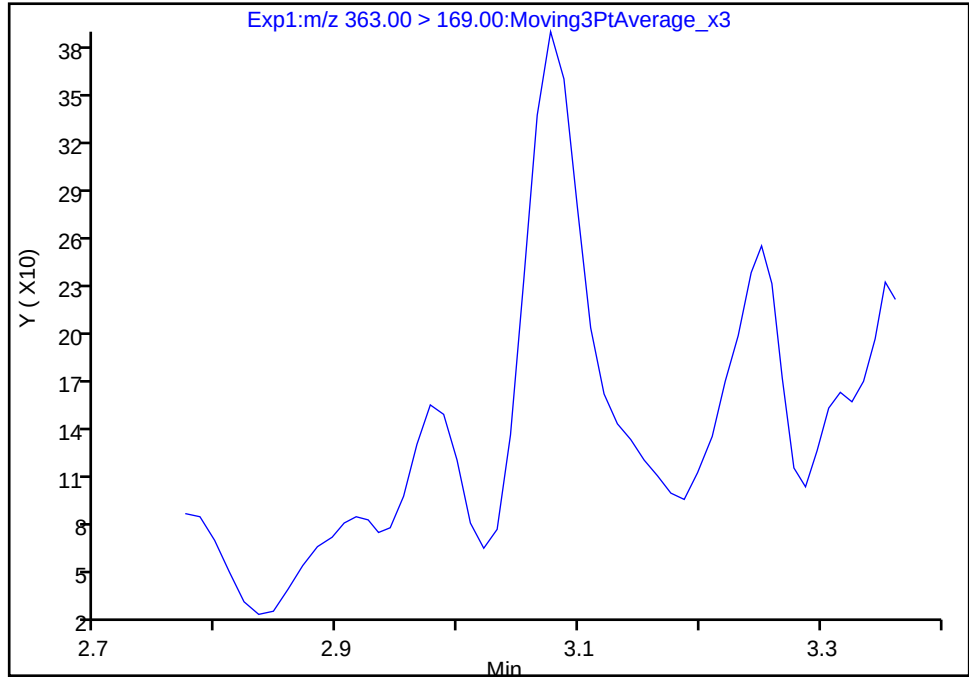
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A08.d				
Injection Date:	30-Nov-2022 10:13:51	Instrument ID:	LC812		
Lims ID:	460-269761-A-1-D	Lab Sample ID:	200-269761-1		
Client ID:	BCS-09-06_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	8
Injection Vol:	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

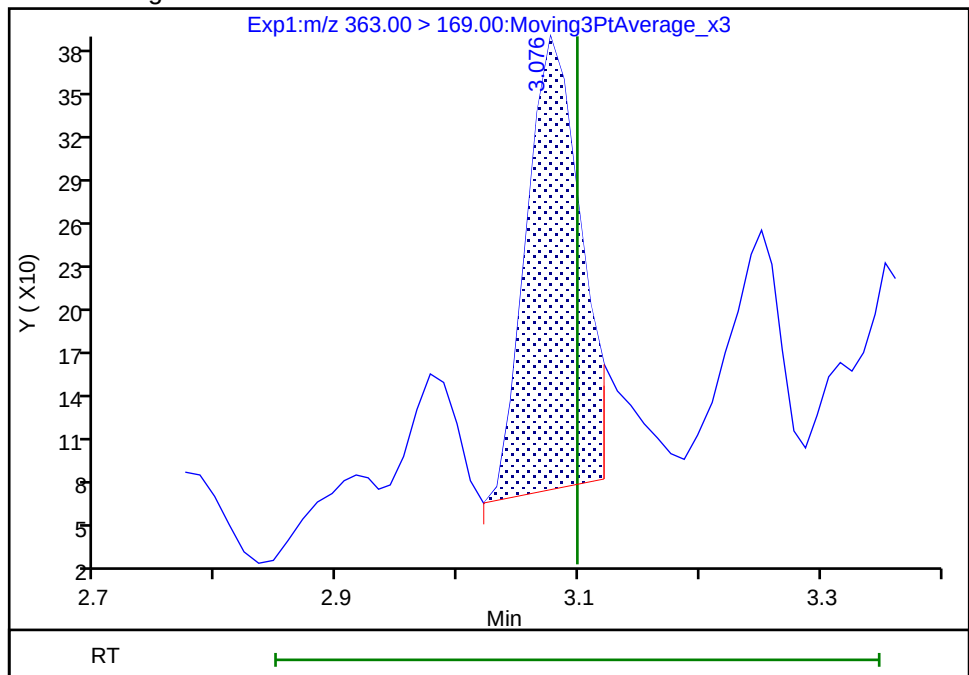
Signal: 2

Not Detected
Expected RT: 3.10

Processing Integration Results



Manual Integration Results



RT: 3.08
Area: 983
Amount: 0.003657
Amount Units: ng/ml

Reviewer: khanphomeea, 01-Dec-2022 10:27:22

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

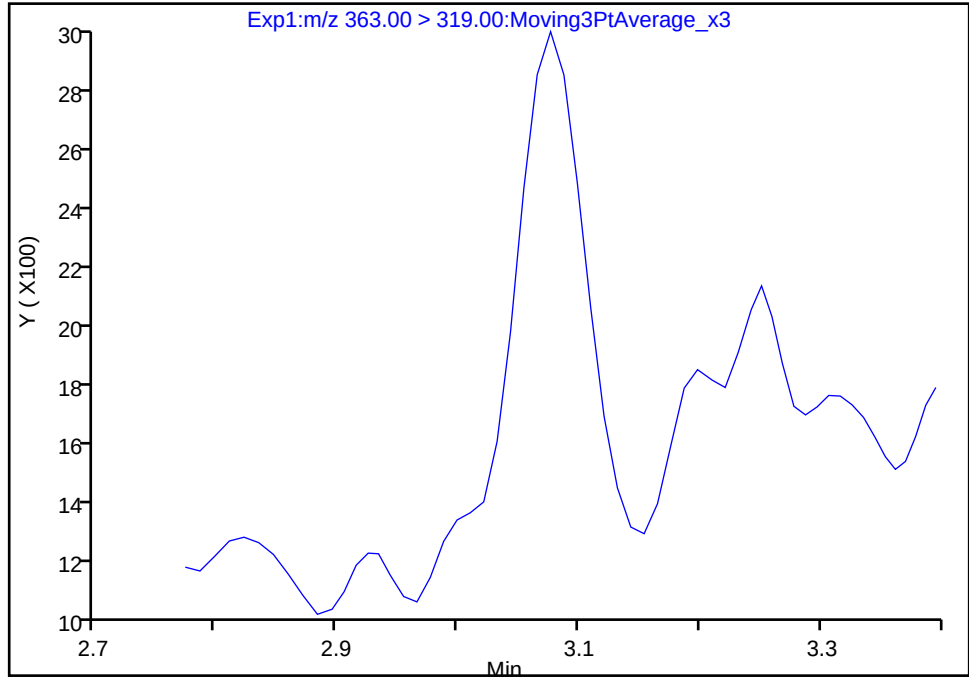
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A08.d		
Injection Date:	30-Nov-2022 10:13:51	Instrument ID:	LC812
Lims ID:	460-269761-A-1-D	Lab Sample ID:	200-269761-1
Client ID:	BCS-09-06_(0-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	8

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

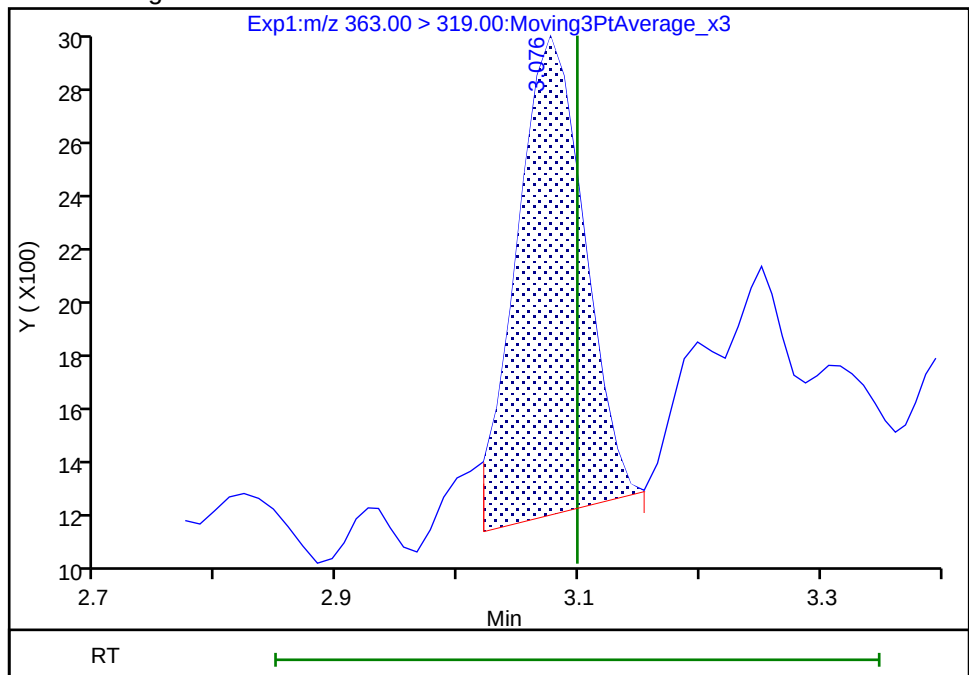
Not Detected
Expected RT: 3.10

Processing Integration Results



Manual Integration Results

RT: 3.08
Area: 6474
Amount: 0.003657
Amount Units: ng/ml



Reviewer: khanphomeea, 01-Dec-2022 10:27:24

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

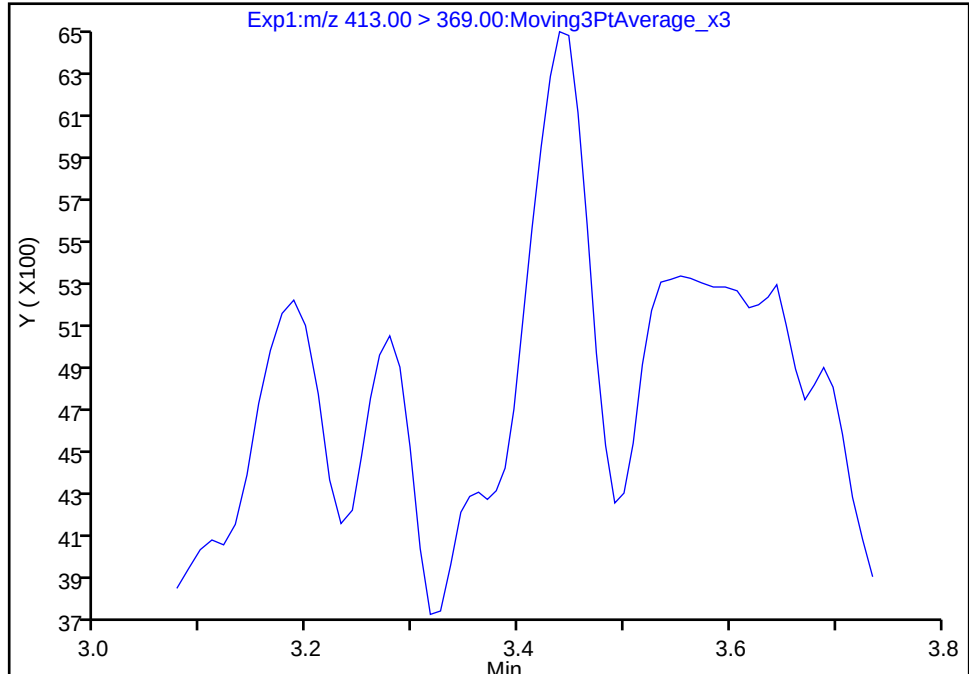
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A08.d				
Injection Date:	30-Nov-2022 10:13:51	Instrument ID:	LC812		
Lims ID:	460-269761-A-1-D	Lab Sample ID:	200-269761-1		
Client ID:	BCS-09-06_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

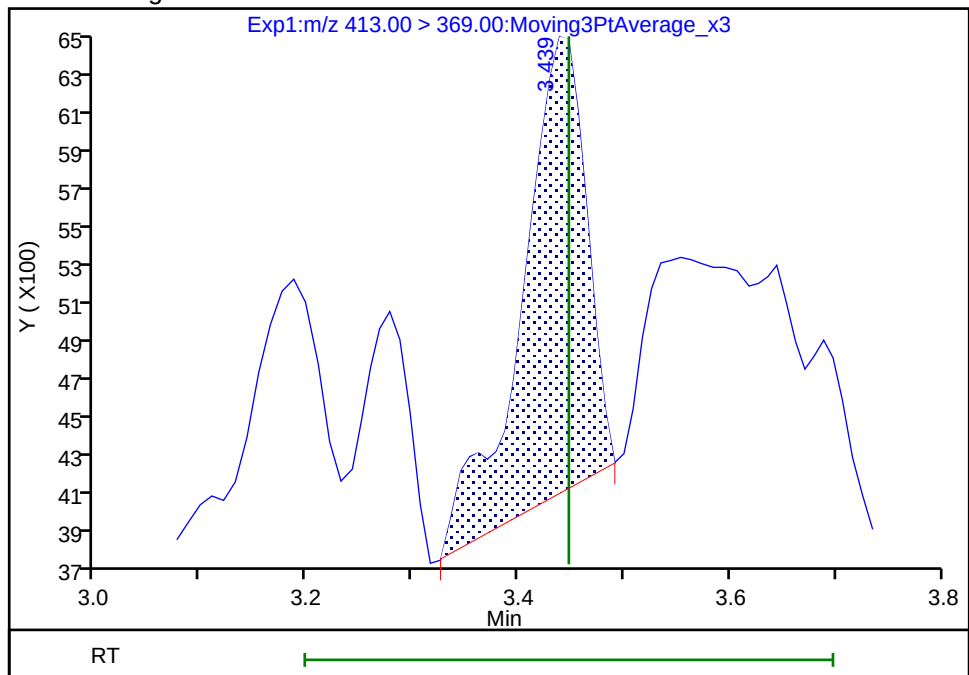
Signal: 1

Not Detected
Expected RT: 3.45

Processing Integration Results



Manual Integration Results



RT: 3.44
Area: 10115
Amount: 0.005578
Amount Units: ng/ml

Reviewer: khanphomeea, 01-Dec-2022 10:27:54

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

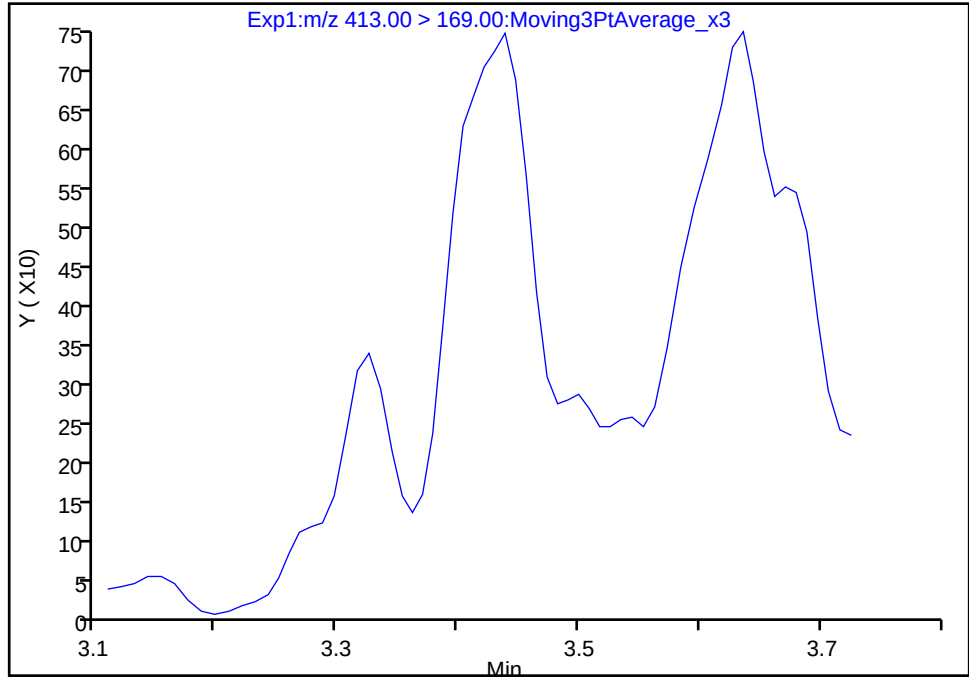
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A08.d
Injection Date: 30-Nov-2022 10:13:51 Instrument ID: LC812
Lims ID: 460-269761-A-1-D Lab Sample ID: 200-269761-1
Client ID: BCS-09-06_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. 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

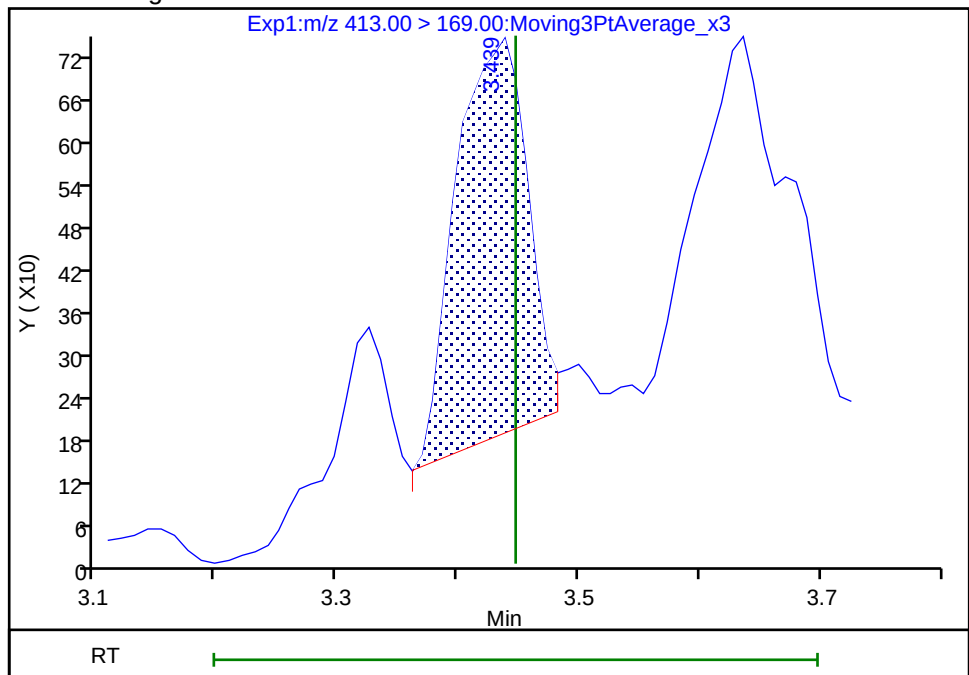
Not Detected
Expected RT: 3.45

Processing Integration Results



Manual Integration Results

RT: 3.44
Area: 2296
Amount: 0.005578
Amount Units: ng/ml



Reviewer: khanphomeea, 01-Dec-2022 10:28:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

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Eurofins Burlington

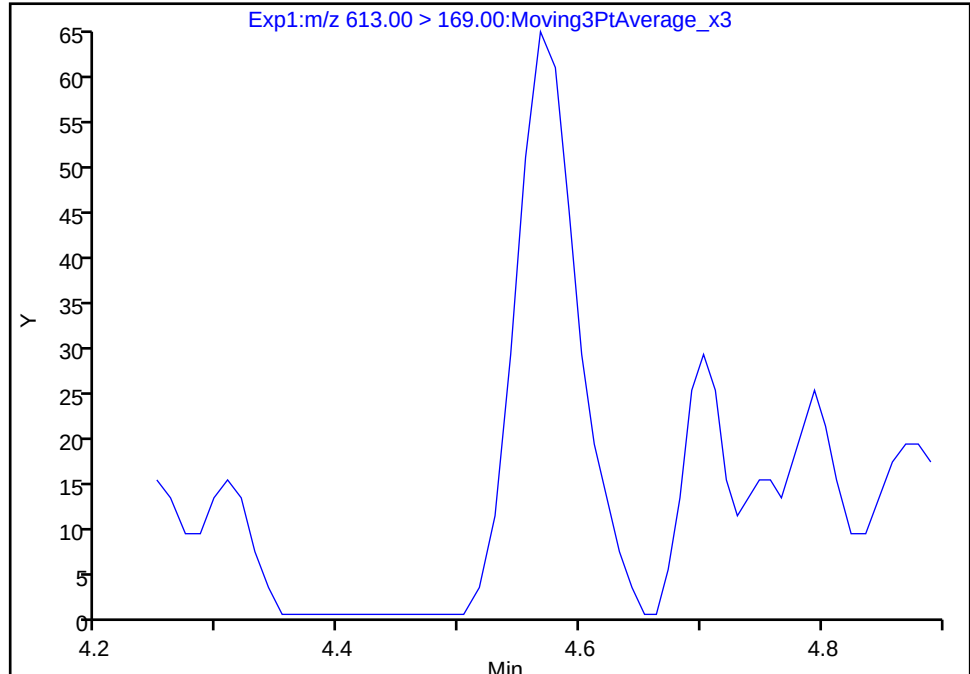
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A08.d				
Injection Date:	30-Nov-2022 10:13:51	Instrument ID:	LC812		
Lims ID:	460-269761-A-1-D	Lab Sample ID:	200-269761-1		
Client ID:	BCS-09-06_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	8
Injection Vol:	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

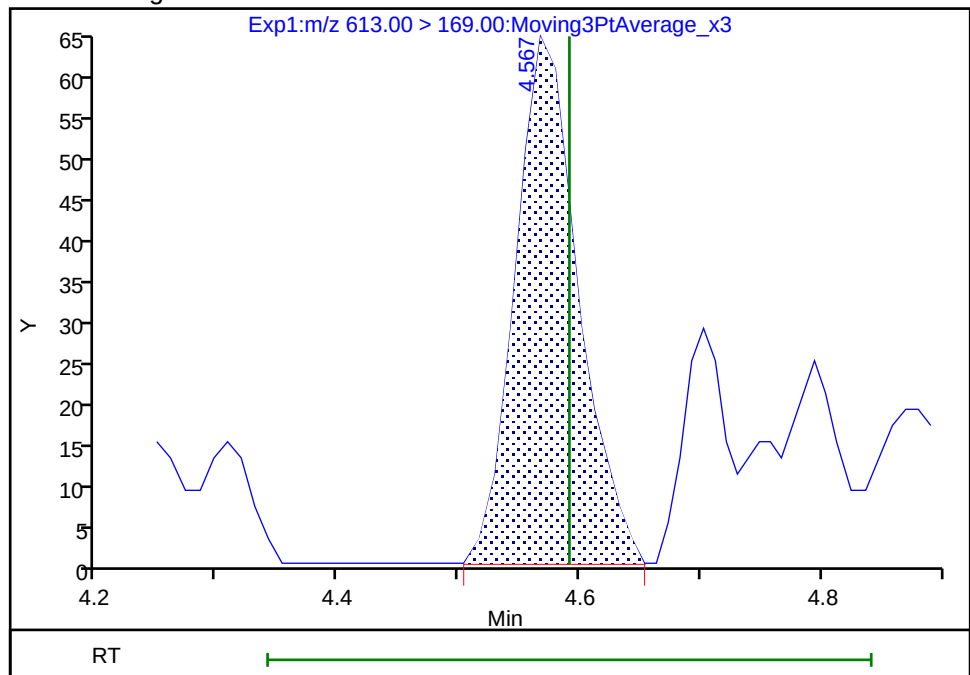
Not Detected
Expected RT: 4.59

Processing Integration Results



Manual Integration Results

RT: 4.57
Area: 235
Amount: 0.001910
Amount Units: ng/ml



Reviewer: khanphomeea, 01-Dec-2022 10:29:23

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

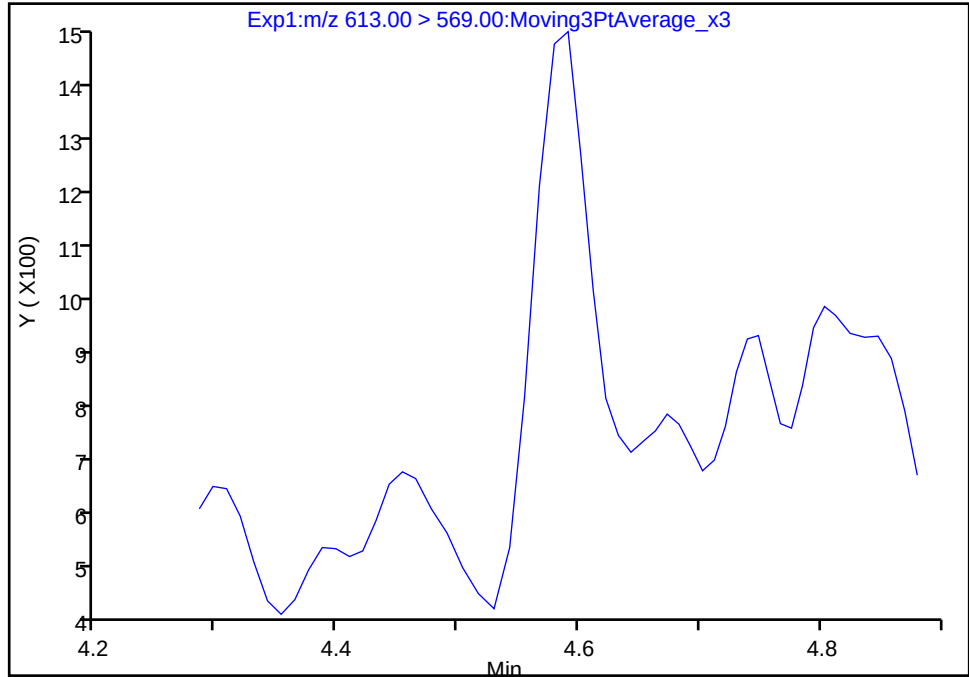
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A08.d
Injection Date: 30-Nov-2022 10:13:51 Instrument ID: LC812
Lims ID: 460-269761-A-1-D Lab Sample ID: 200-269761-1
Client ID: BCS-09-06_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. 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: 1

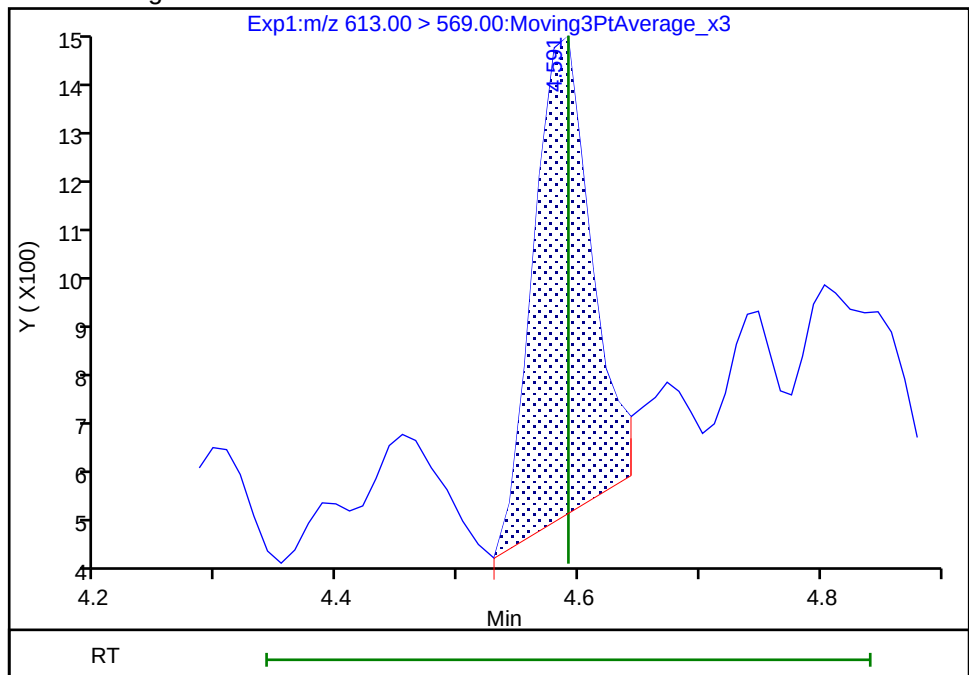
Not Detected
Expected RT: 4.59

Processing Integration Results



Manual Integration Results

RT: 4.59
Area: 3131
Amount: 0.001910
Amount Units: ng/ml



Reviewer: khanphomeea, 01-Dec-2022 10:29:25

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

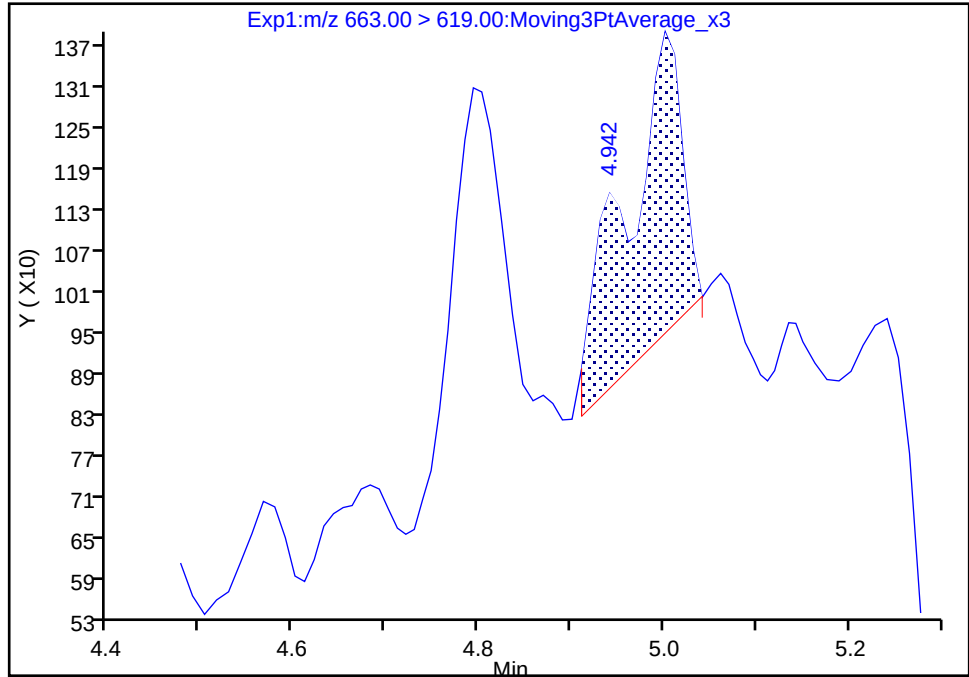
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A08.d		
Injection Date:	30-Nov-2022 10:13:51	Instrument ID:	LC812
Lims ID:	460-269761-A-1-D	Lab Sample ID:	200-269761-1
Client ID:	BCS-09-06_(0-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector:	EXP1
		Worklist Smp#:	8

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

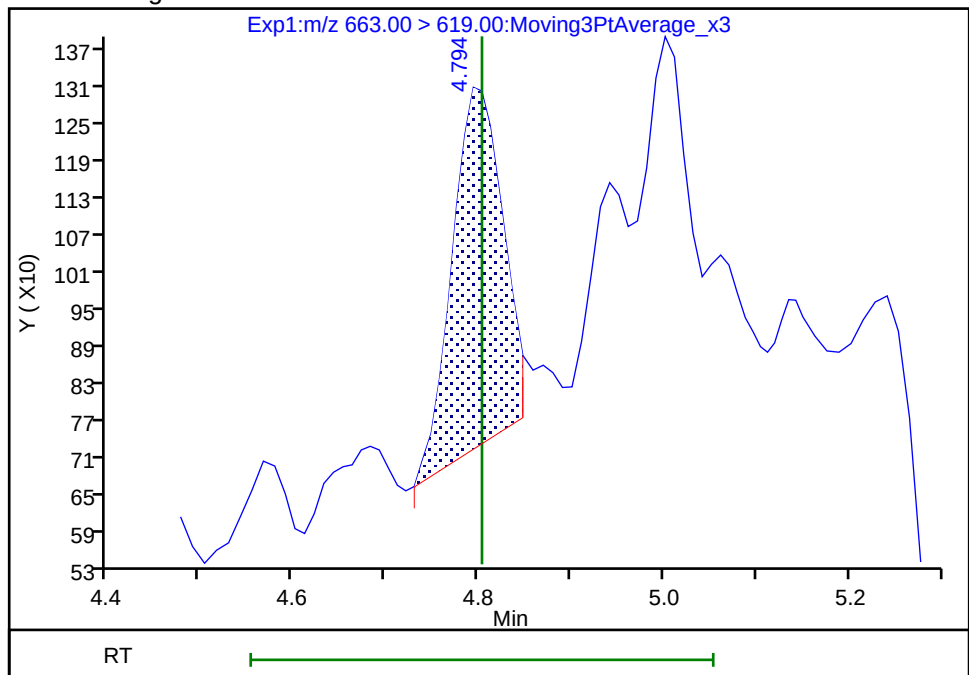
RT: 4.94
Area: 1900
Amount: 0.001212
Amount Units: ng/ml

Processing Integration Results



RT: 4.79
Area: 2187
Amount: 0.001395
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:29:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

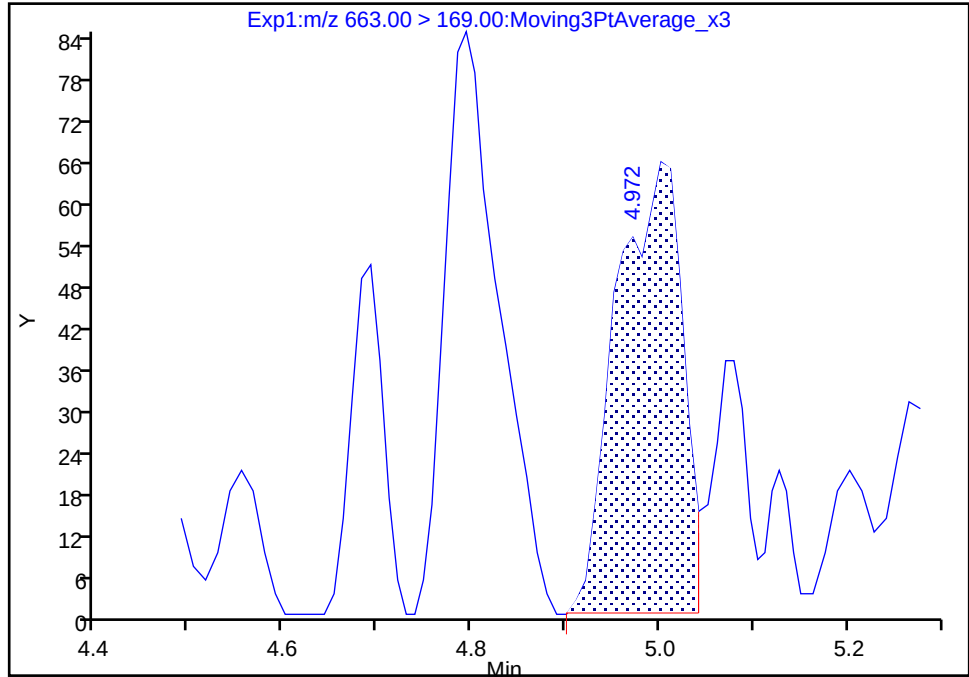
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A08.d
Injection Date: 30-Nov-2022 10:13:51 Instrument ID: LC812
Lims ID: 460-269761-A-1-D Lab Sample ID: 200-269761-1
Client ID: BCS-09-06_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. 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

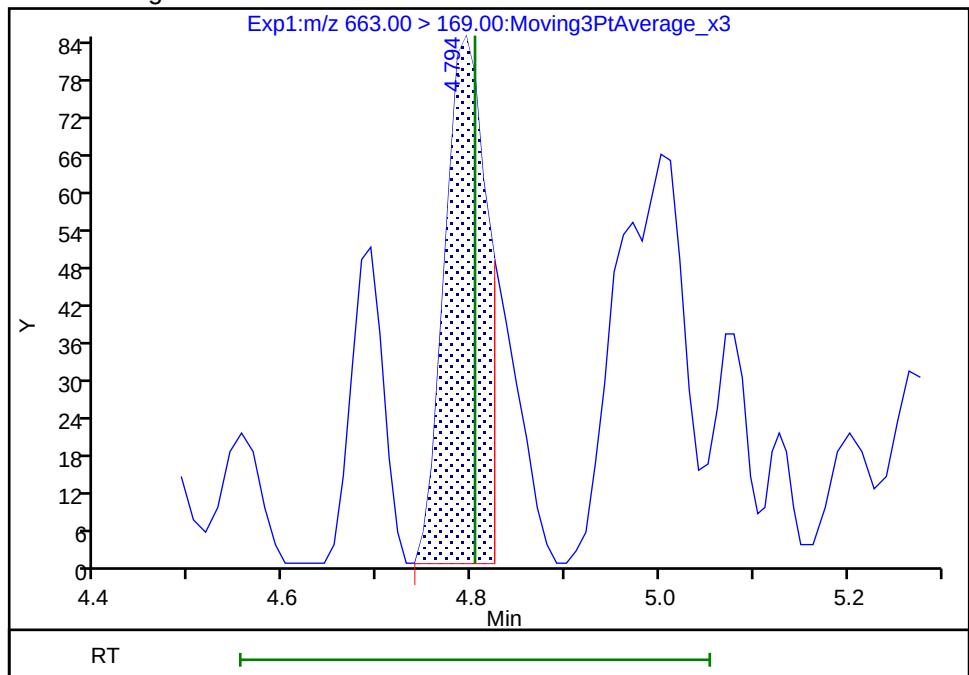
RT: 4.97
Area: 320
Amount: 0.001212
Amount Units: ng/ml

Processing Integration Results



RT: 4.79
Area: 257
Amount: 0.001395
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:30:03

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

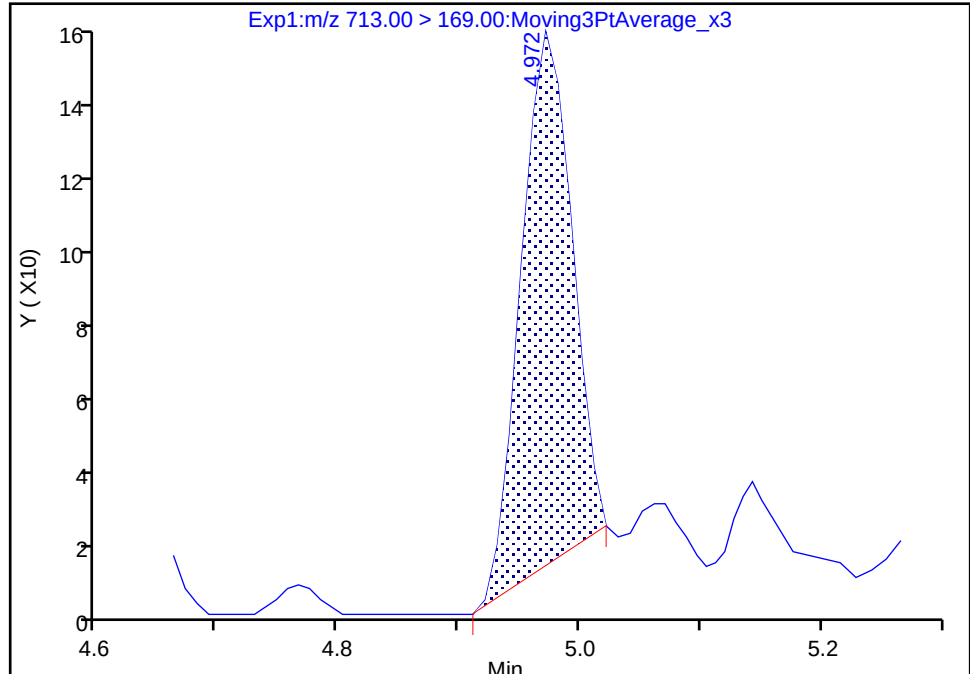
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A08.d		
Injection Date:	30-Nov-2022 10:13:51	Instrument ID:	LC812
Lims ID:	460-269761-A-1-D	Lab Sample ID:	200-269761-1
Client ID:	BCS-09-06_(0-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	8

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

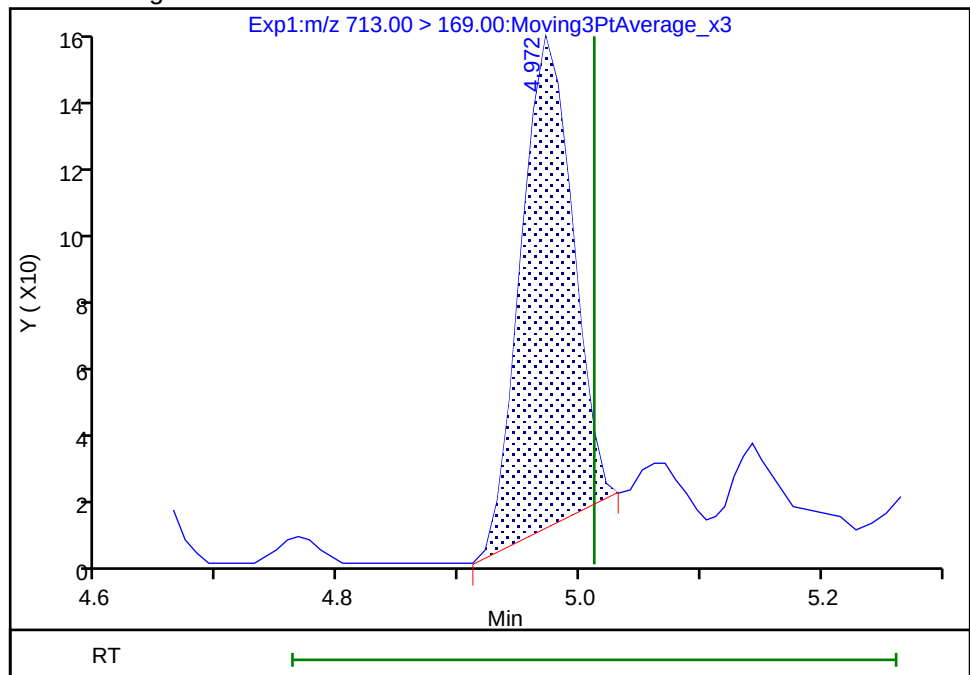
RT: 4.97
Area: 423
Amount: 0.001894
Amount Units: ng/ml

Processing Integration Results



RT: 4.97
Area: 440
Amount: 0.001971
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:30:14

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

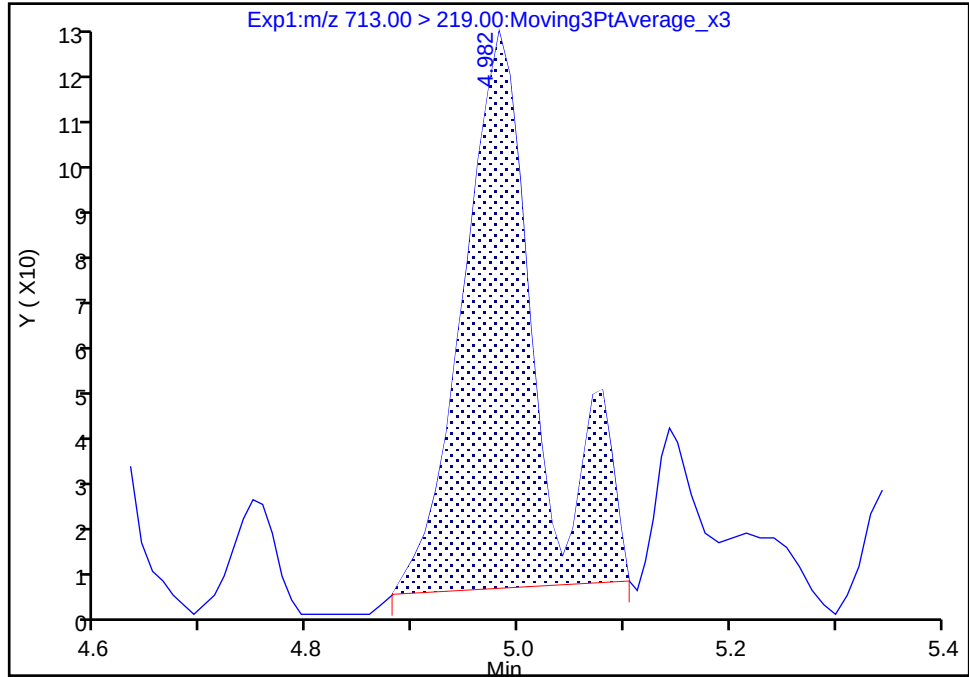
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A08.d
Injection Date: 30-Nov-2022 10:13:51 Instrument ID: LC812
Lims ID: 460-269761-A-1-D Lab Sample ID: 200-269761-1
Client ID: BCS-09-06_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. 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

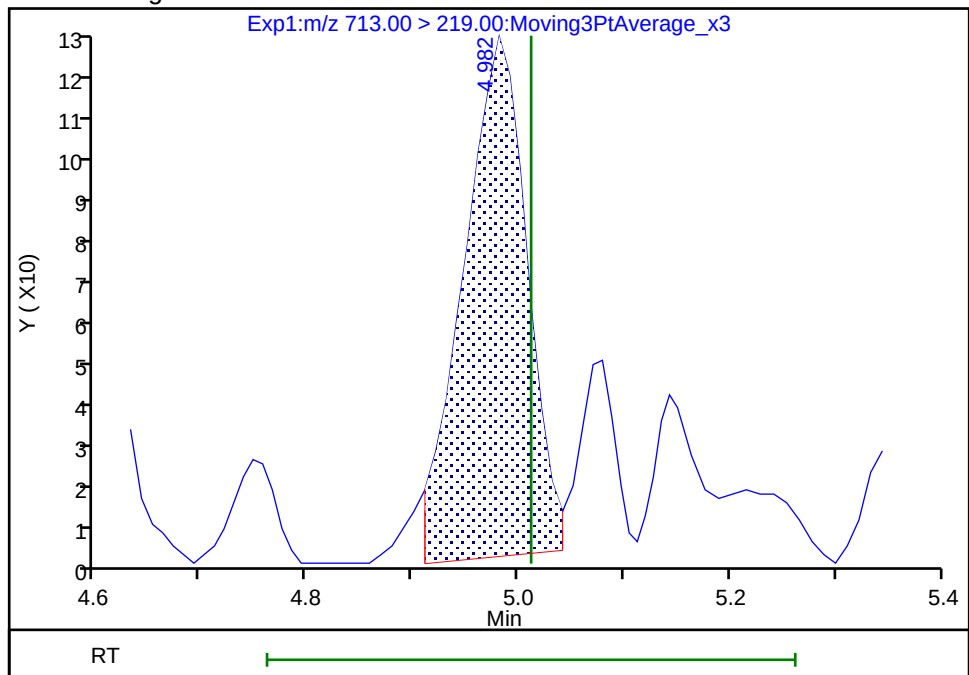
RT: 4.98
Area: 569
Amount: 0.001894
Amount Units: ng/ml

Processing Integration Results



RT: 4.98
Area: 502
Amount: 0.001971
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:30:23

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

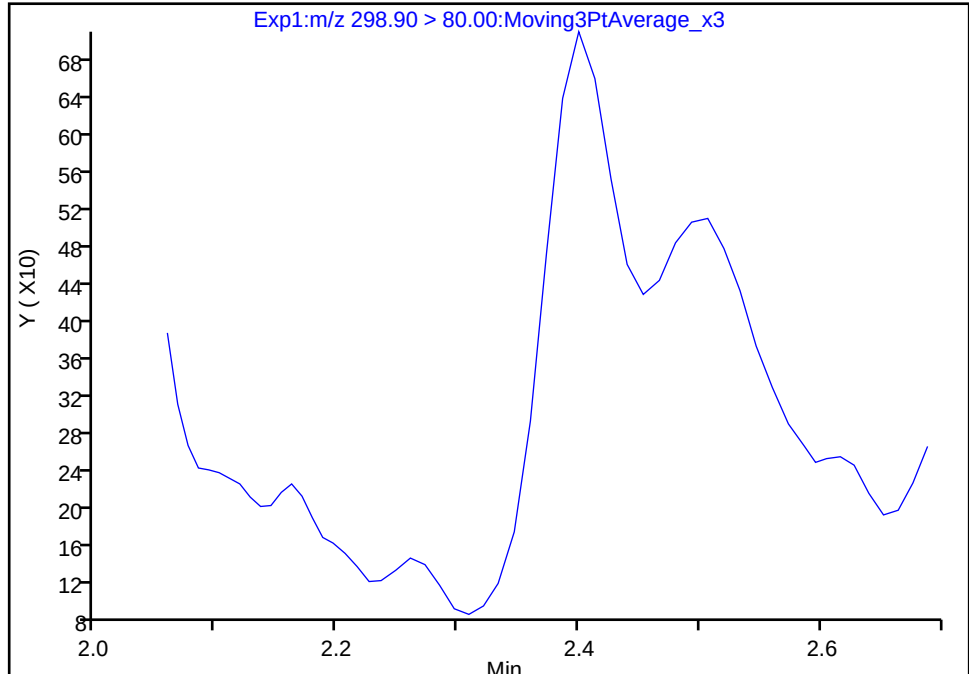
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A08.d				
Injection Date:	30-Nov-2022 10:13:51	Instrument ID:	LC812		
Lims ID:	460-269761-A-1-D	Lab Sample ID:	200-269761-1		
Client ID:	BCS-09-06_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

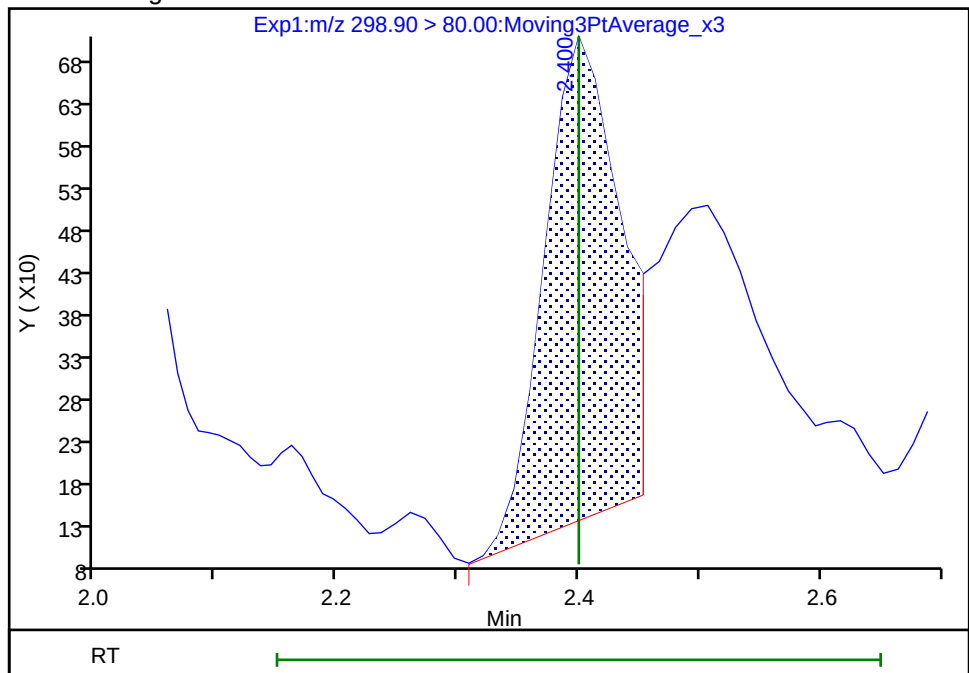
Signal: 1

Not Detected
Expected RT: 2.40

Processing Integration Results



Manual Integration Results



RT: 2.40
Area: 2428
Amount: 0.001430
Amount Units: ng/ml

Reviewer: Z1IP, 01-Dec-2022 08:13:36

Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins Burlington

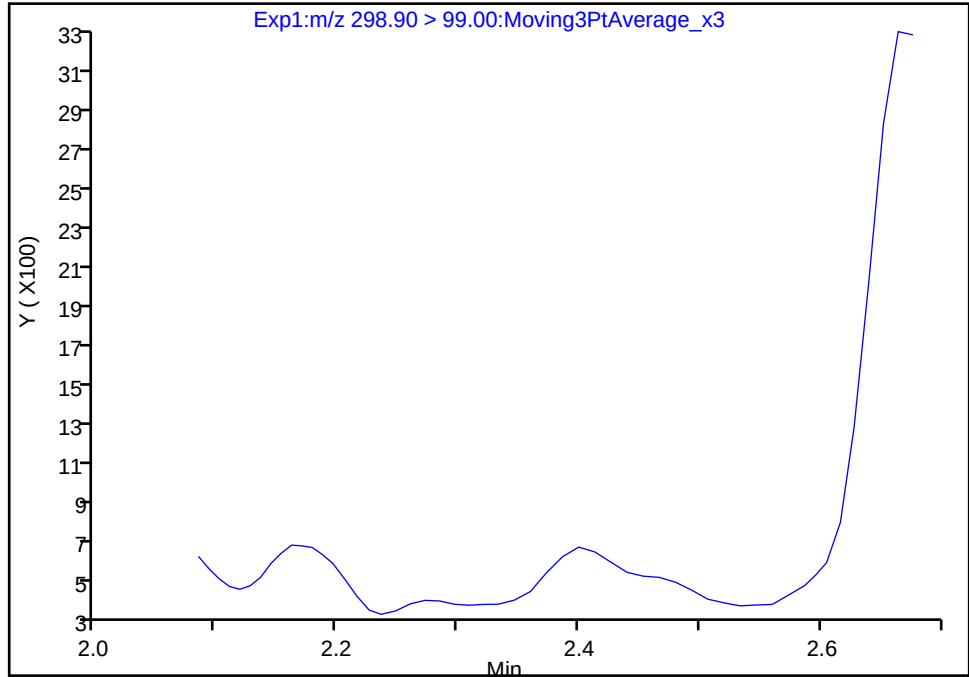
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A08.d
Injection Date: 30-Nov-2022 10:13:51 Instrument ID: LC812
Lims ID: 460-269761-A-1-D Lab Sample ID: 200-269761-1
Client ID: BCS-09-06_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

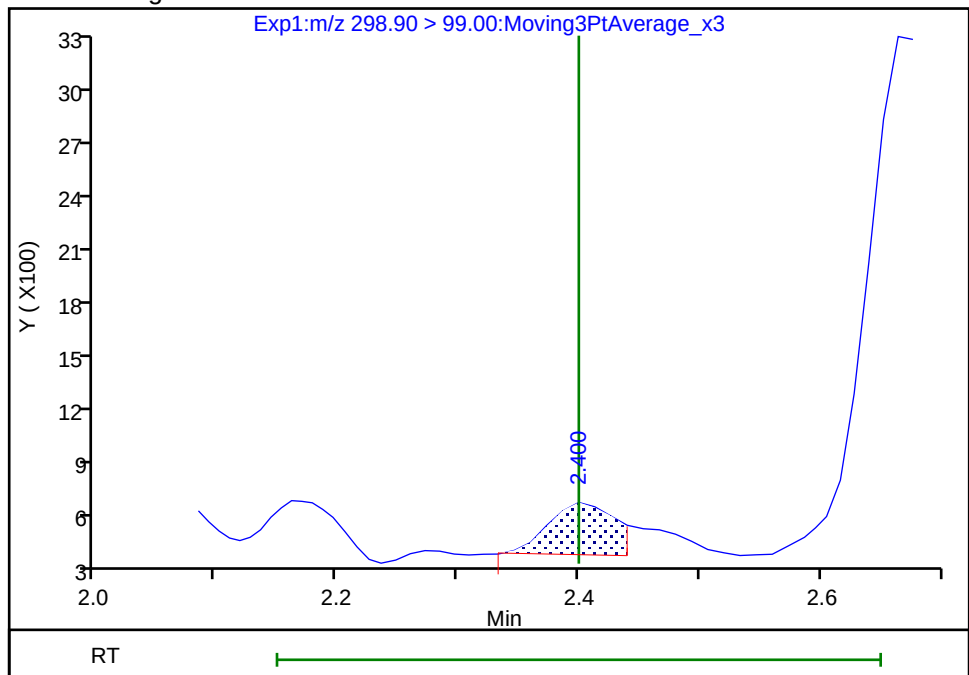
Not Detected
Expected RT: 2.40

Processing Integration Results



Manual Integration Results

RT: 2.40
Area: 1057
Amount: 0.001430
Amount Units: ng/ml



Reviewer: Z1IP, 01-Dec-2022 08:13:38

Audit Action: Manually Integrated

Audit Reason: Missed Peak

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12/2/2022 2:28
PM

Eurofins Burlington

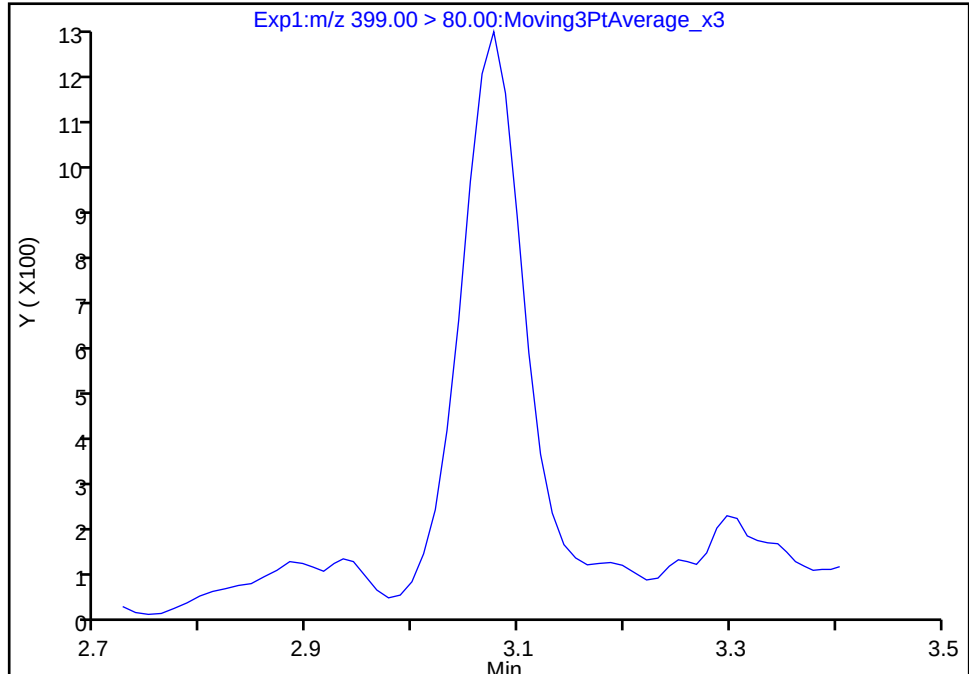
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A08.d				
Injection Date:	30-Nov-2022 10:13:51	Instrument ID:	LC812		
Lims ID:	460-269761-A-1-D	Lab Sample ID:	200-269761-1		
Client ID:	BCS-09-06_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	8
Injection Vol:	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

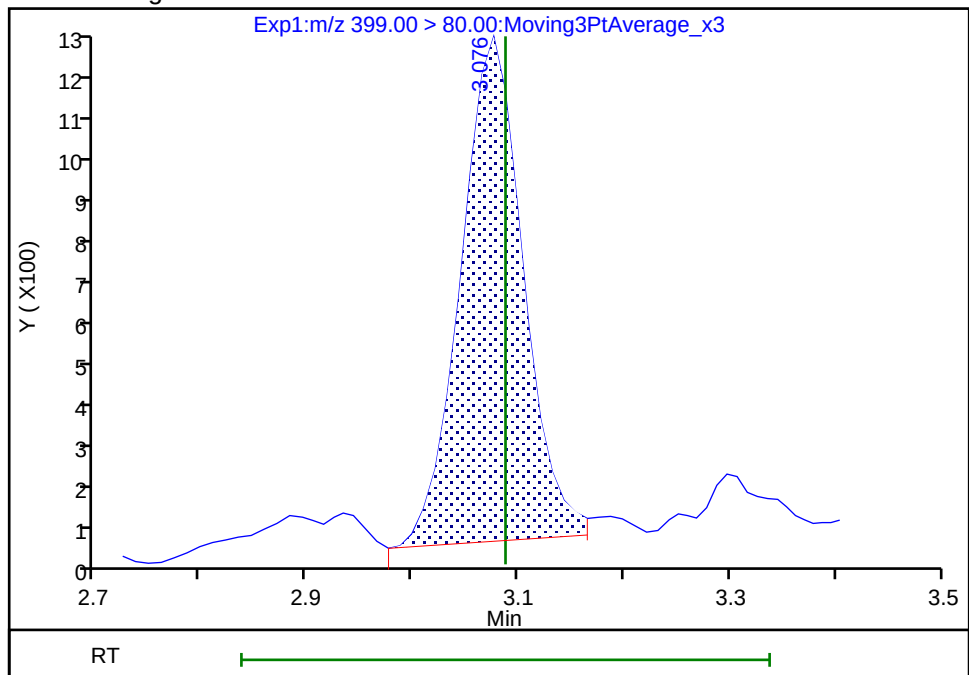
Signal: 1

Not Detected
Expected RT: 3.09

Processing Integration Results



Manual Integration Results

RT: 3.08
Area: 5007
Amount: 0.003718
Amount Units: ng/ml

Reviewer: khanphomeea, 01-Dec-2022 10:26:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

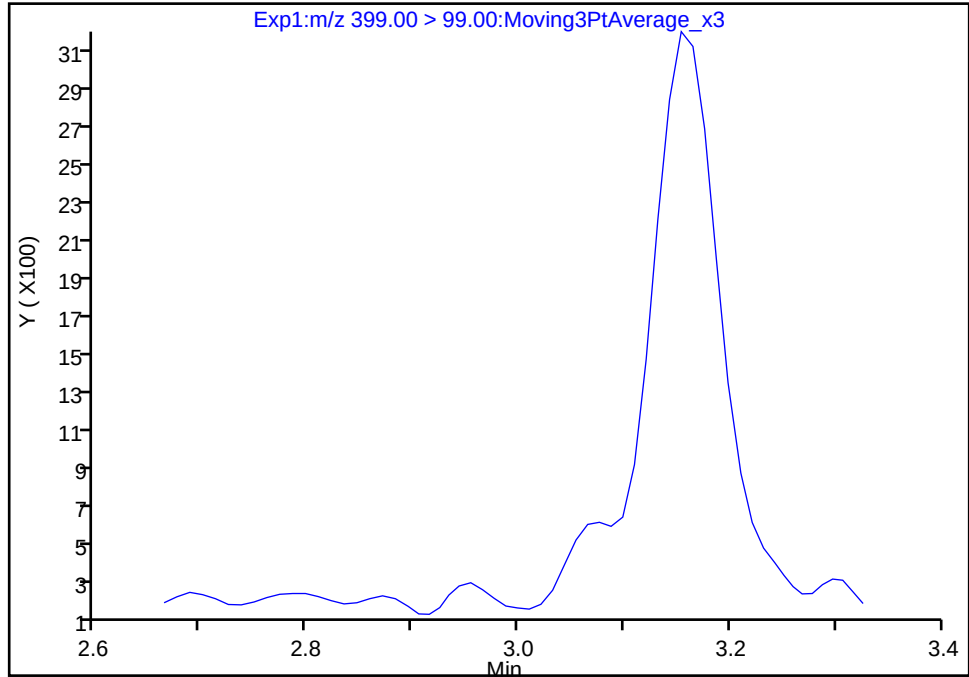
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A08.d
Injection Date: 30-Nov-2022 10:13:51 Instrument ID: LC812
Lims ID: 460-269761-A-1-D Lab Sample ID: 200-269761-1
Client ID: BCS-09-06_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. 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

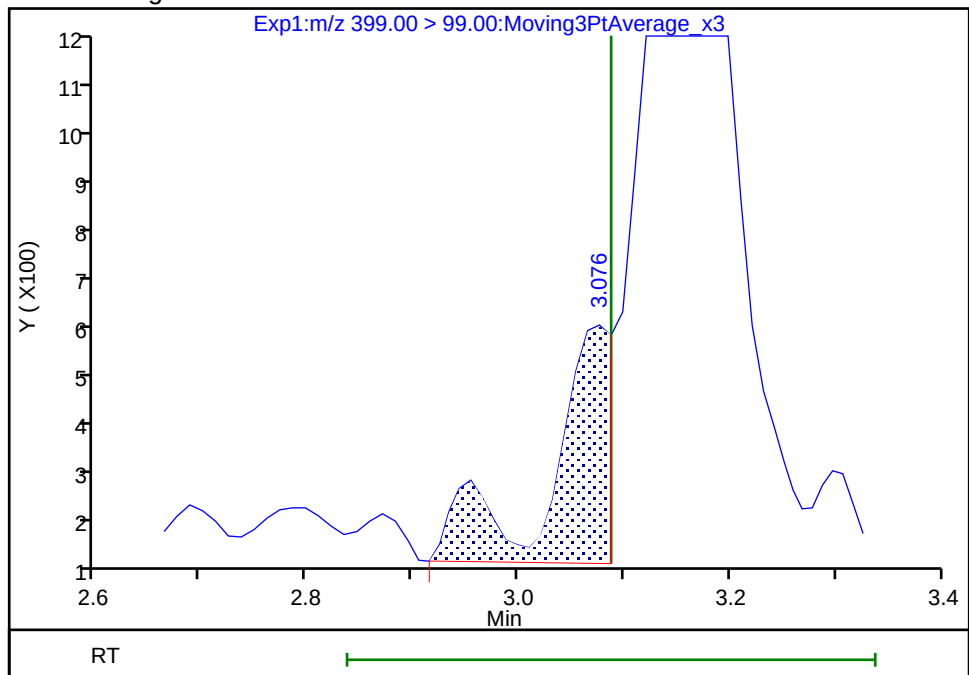
Not Detected
Expected RT: 3.09

Processing Integration Results



Manual Integration Results

RT: 3.08
Area: 1826
Amount: 0.003718
Amount Units: ng/ml



Reviewer: khanphomeea, 01-Dec-2022 10:27:05

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

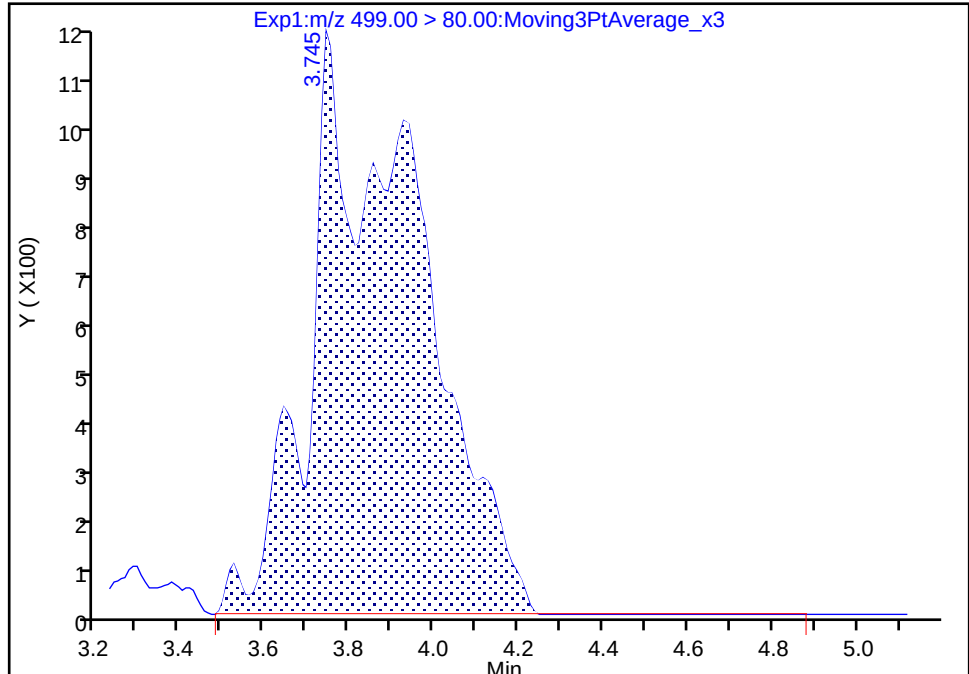
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A08.d				
Injection Date:	30-Nov-2022 10:13:51	Instrument ID:	LC812		
Lims ID:	460-269761-A-1-D	Lab Sample ID:	200-269761-1		
Client ID:	BCS-09-06_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	8
Injection Vol:	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

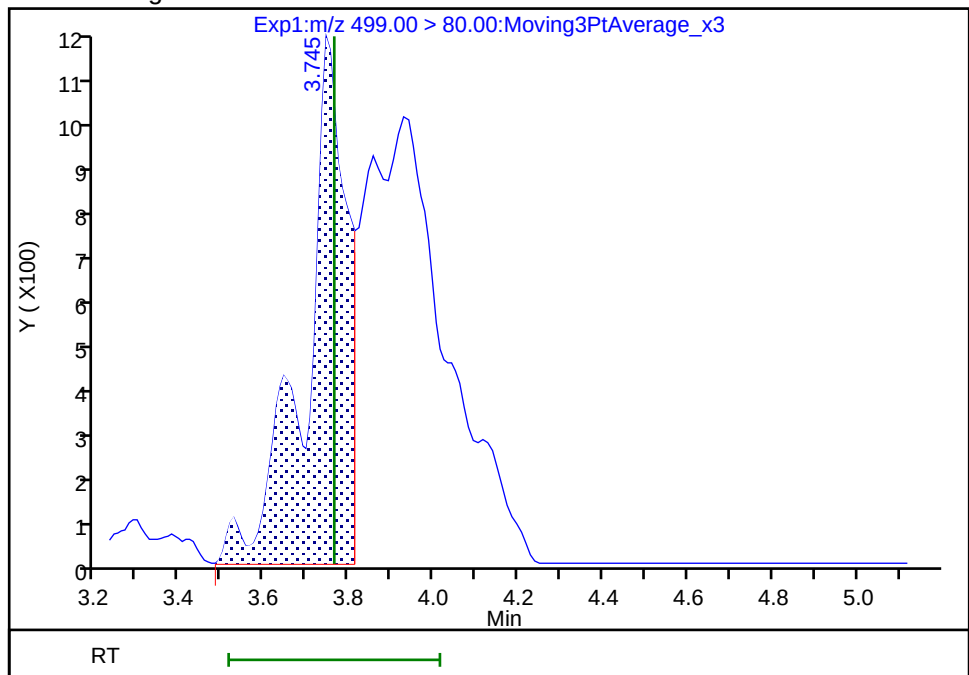
RT: 3.74
Area: 21519
Amount: 0.022847
Amount Units: ng/ml

Processing Integration Results



RT: 3.74
Area: 7978
Amount: 0.008470
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:28:08

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

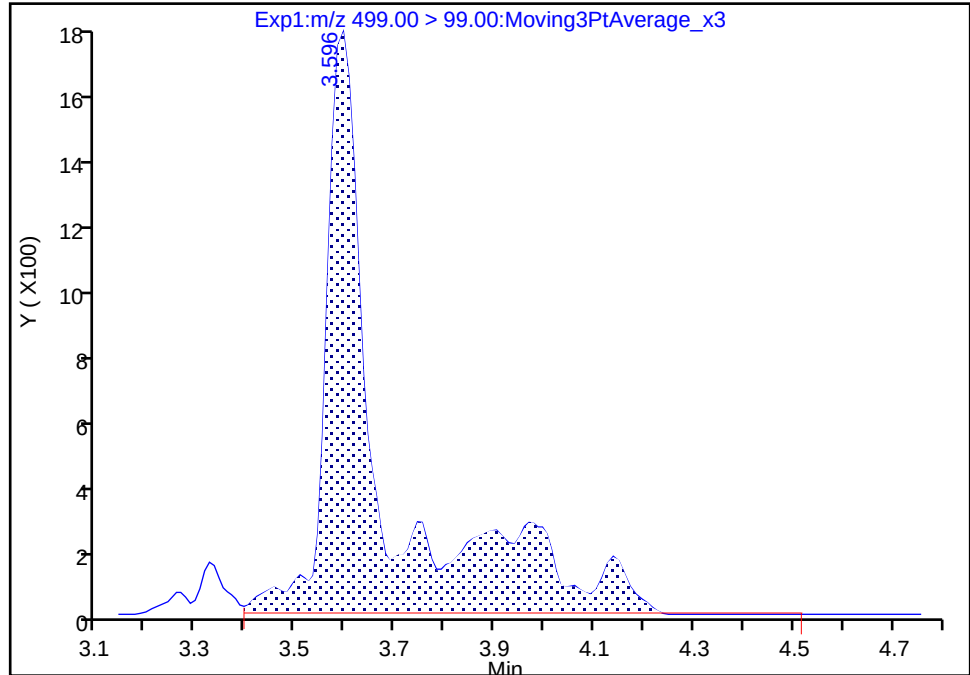
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A08.d
Injection Date: 30-Nov-2022 10:13:51 Instrument ID: LC812
Lims ID: 460-269761-A-1-D Lab Sample ID: 200-269761-1
Client ID: BCS-09-06_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. 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

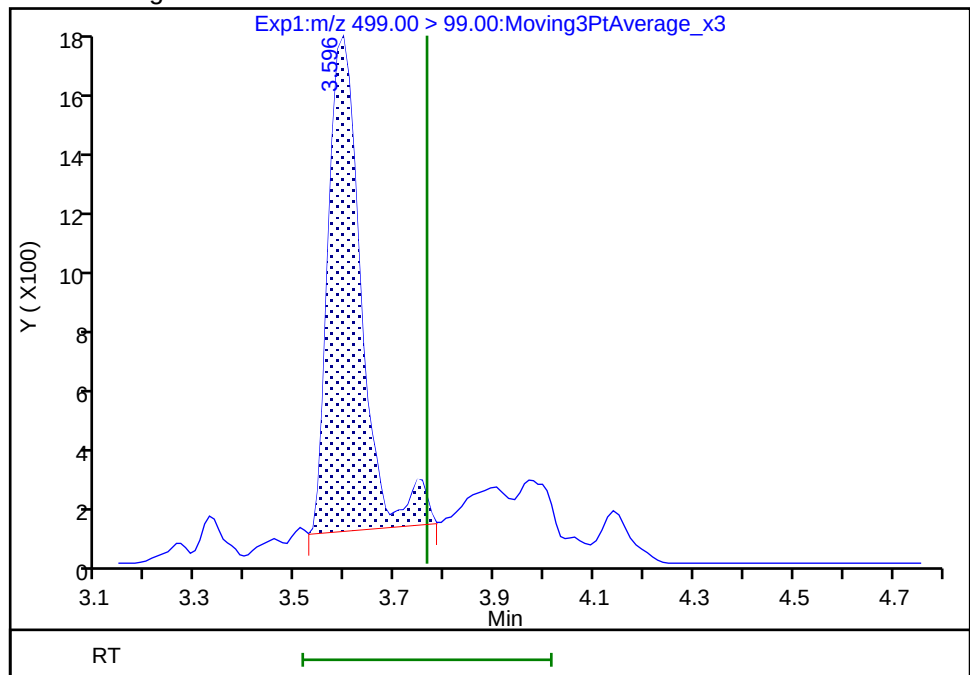
RT: 3.60
Area: 14161
Amount: 0.022847
Amount Units: ng/ml

Processing Integration Results



RT: 3.60
Area: 7536
Amount: 0.008470
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:28:21

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

Eurofins Burlington

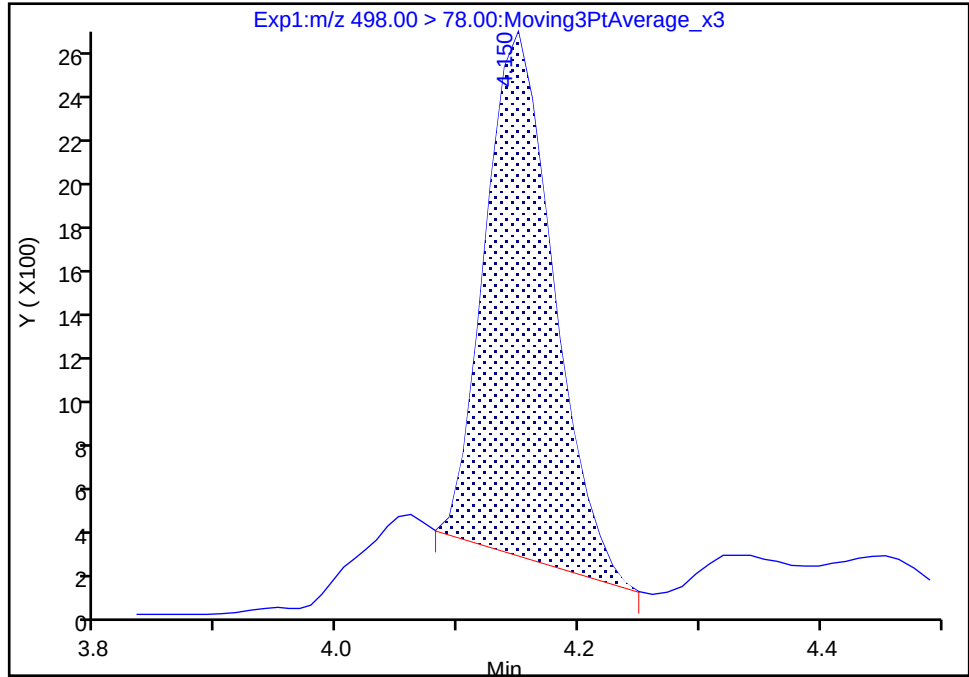
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A08.d				
Injection Date:	30-Nov-2022 10:13:51	Instrument ID:	LC812		
Lims ID:	460-269761-A-1-D	Lab Sample ID:	200-269761-1		
Client ID:	BCS-09-06_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

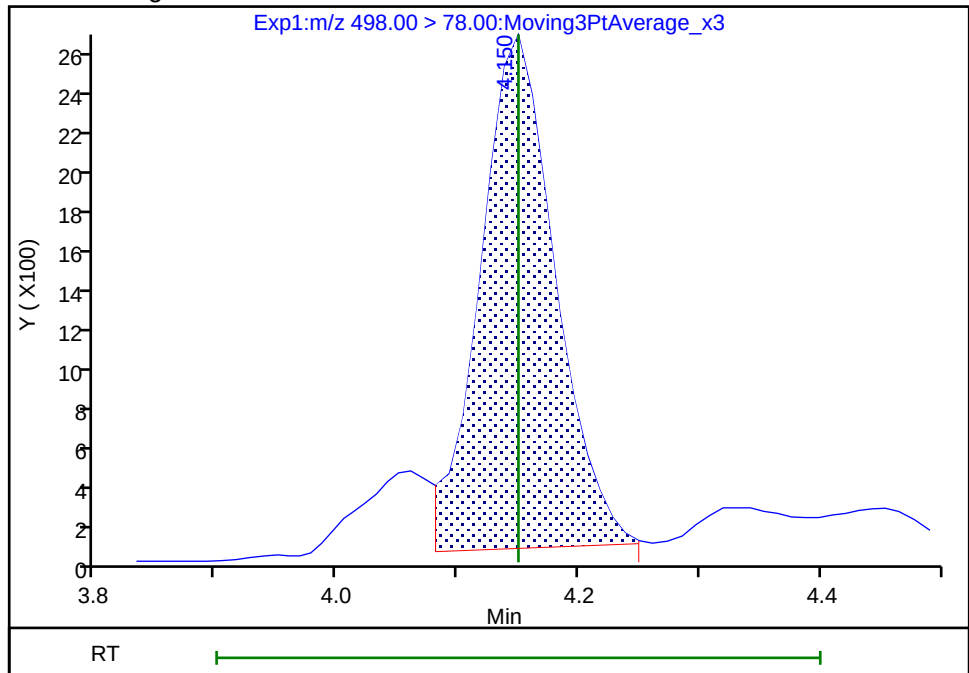
RT: 4.15
Area: 9392
Amount: 0.006316
Amount Units: ng/ml

Processing Integration Results



RT: 4.15
Area: 11144
Amount: 0.007494
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 01-Dec-2022 08:14:10
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

Eurofins Burlington

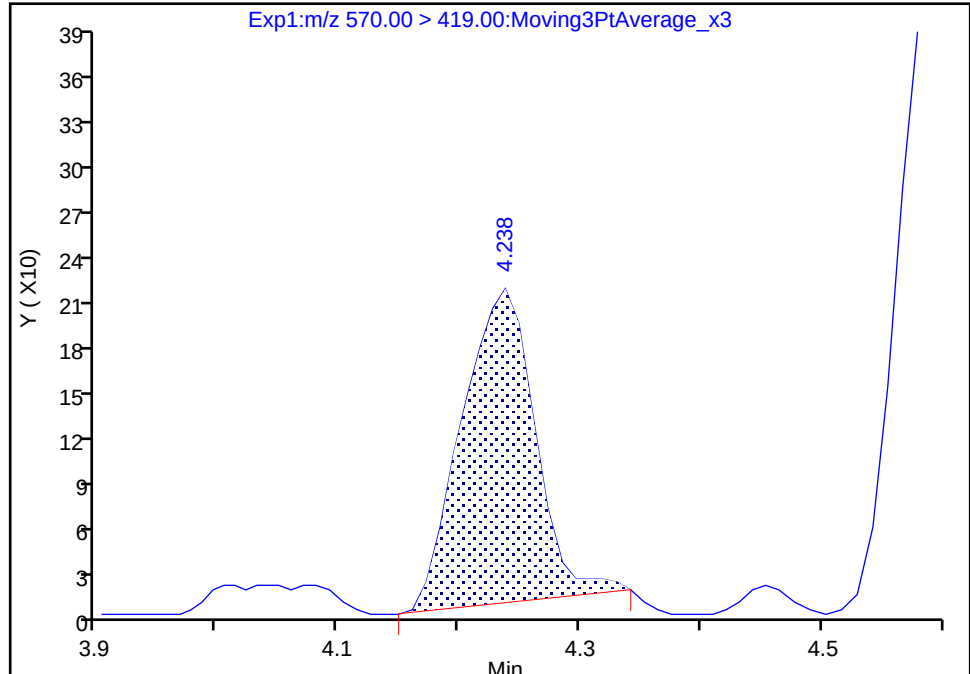
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A08.d		
Injection Date:	30-Nov-2022 10:13:51	Instrument ID:	LC812
Lims ID:	460-269761-A-1-D	Lab Sample ID:	200-269761-1
Client ID:	BCS-09-06_(0-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	8

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

Signal: 1

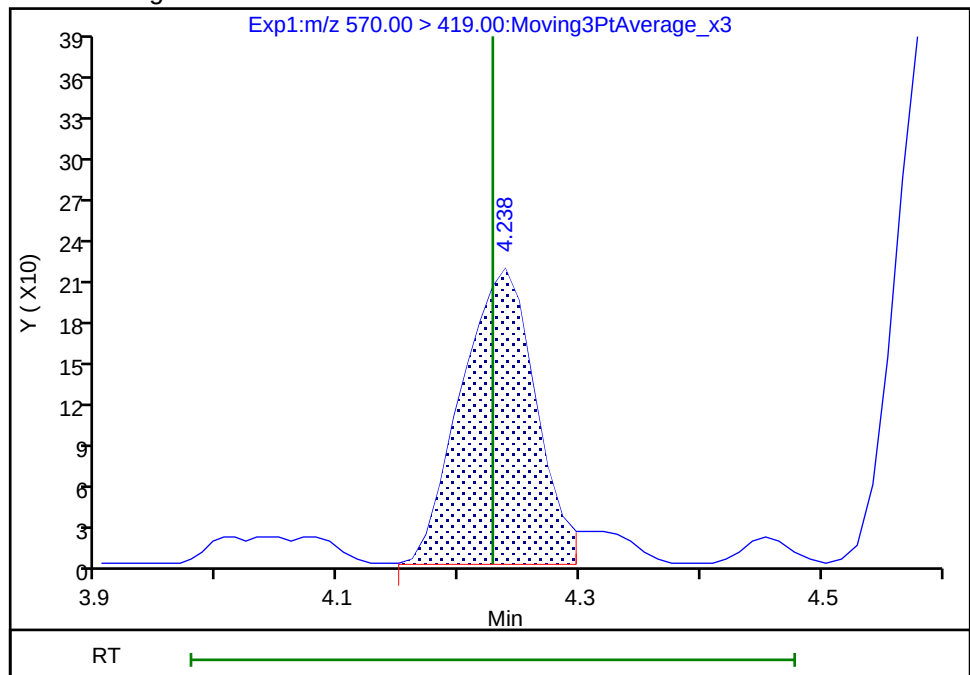
RT: 4.24
Area: 867
Amount: -0.008801
Amount Units: ng/ml

Processing Integration Results



RT: 4.24
Area: 901
Amount: -0.008690
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:28:55

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

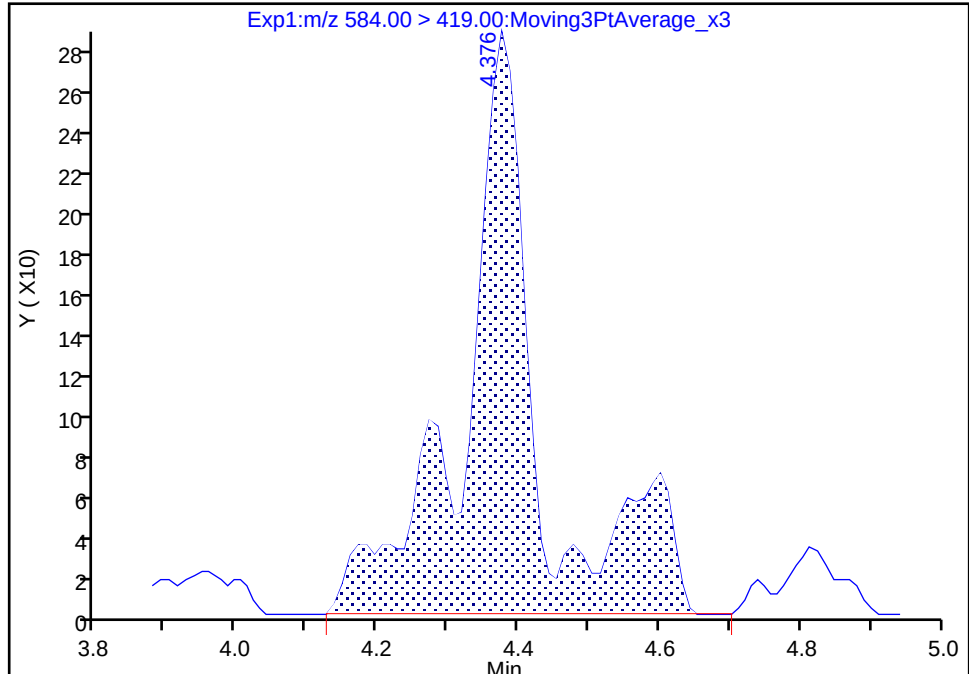
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A08.d
Injection Date: 30-Nov-2022 10:13:51 Instrument ID: LC812
Lims ID: 460-269761-A-1-D Lab Sample ID: 200-269761-1
Client ID: BCS-09-06_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. 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

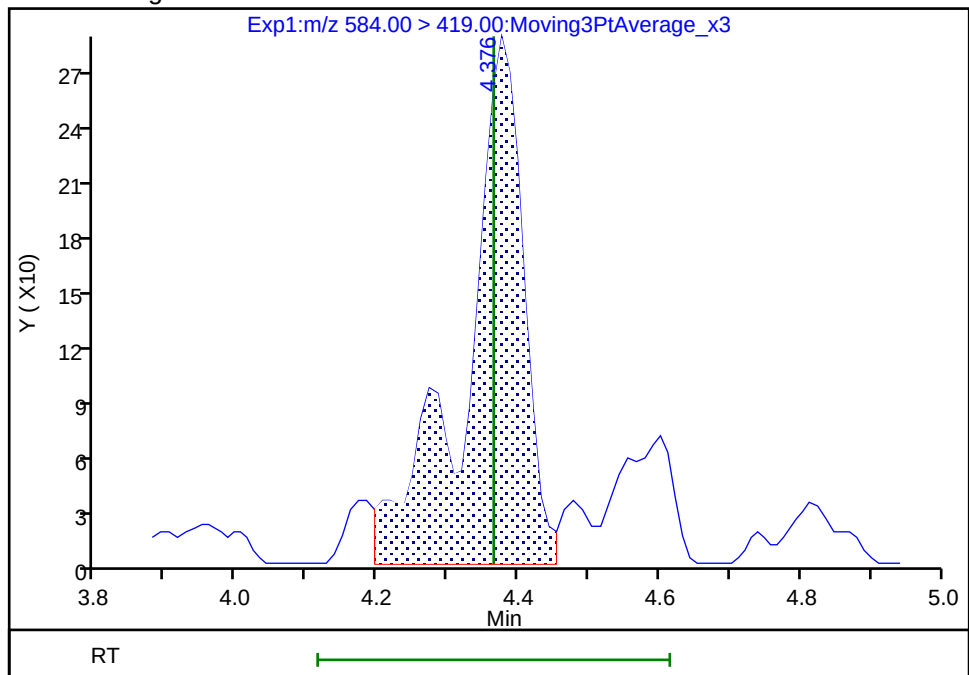
RT: 4.38
Area: 2154
Amount: 0.006869
Amount Units: ng/ml

Processing Integration Results



RT: 4.38
Area: 1615
Amount: 0.005150
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:29:06

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

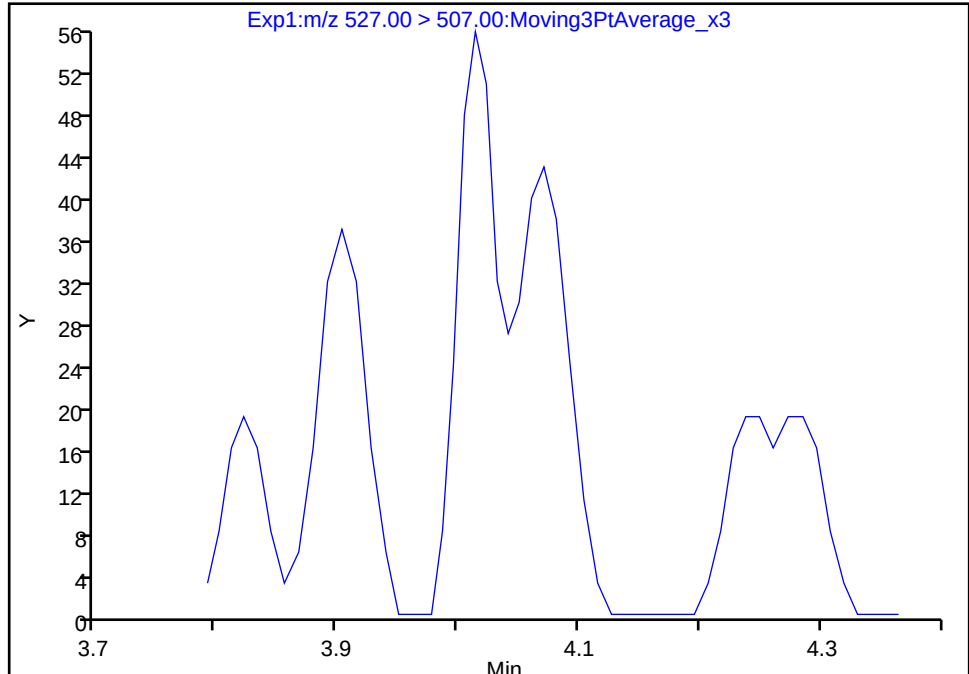
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A08.d
Injection Date: 30-Nov-2022 10:13:51 Instrument ID: LC812
Lims ID: 460-269761-A-1-D Lab Sample ID: 200-269761-1
Client ID: BCS-09-06_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. 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

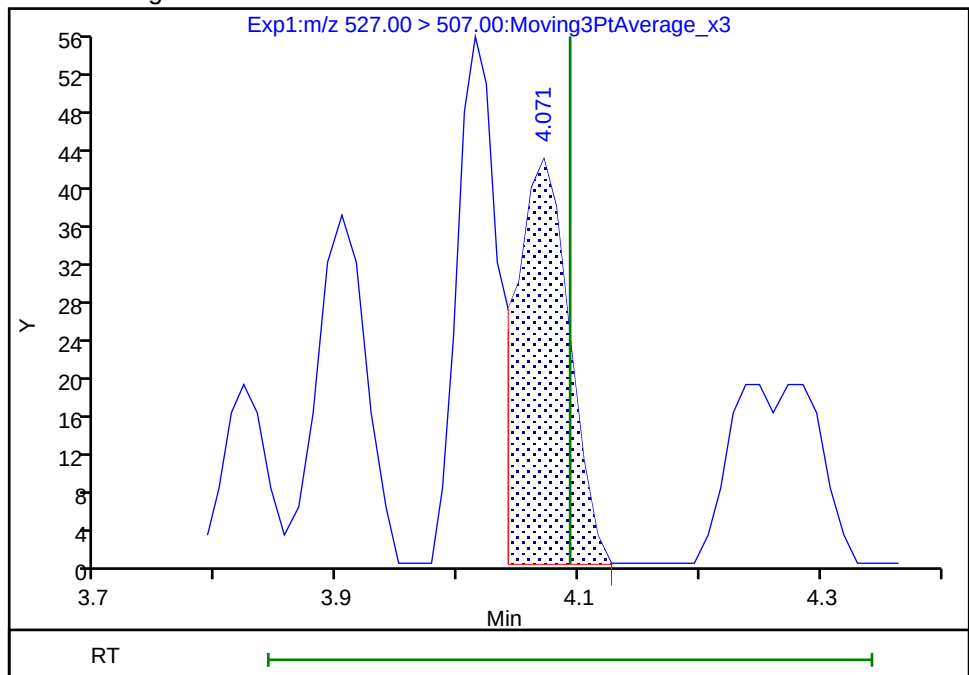
Signal: 1

Not Detected
Expected RT: 4.09

Processing Integration Results



Manual Integration Results



RT: 4.07
Area: 126
Amount: 0.000328
Amount Units: ng/ml

Reviewer: khanphomeea, 01-Dec-2022 10:28:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

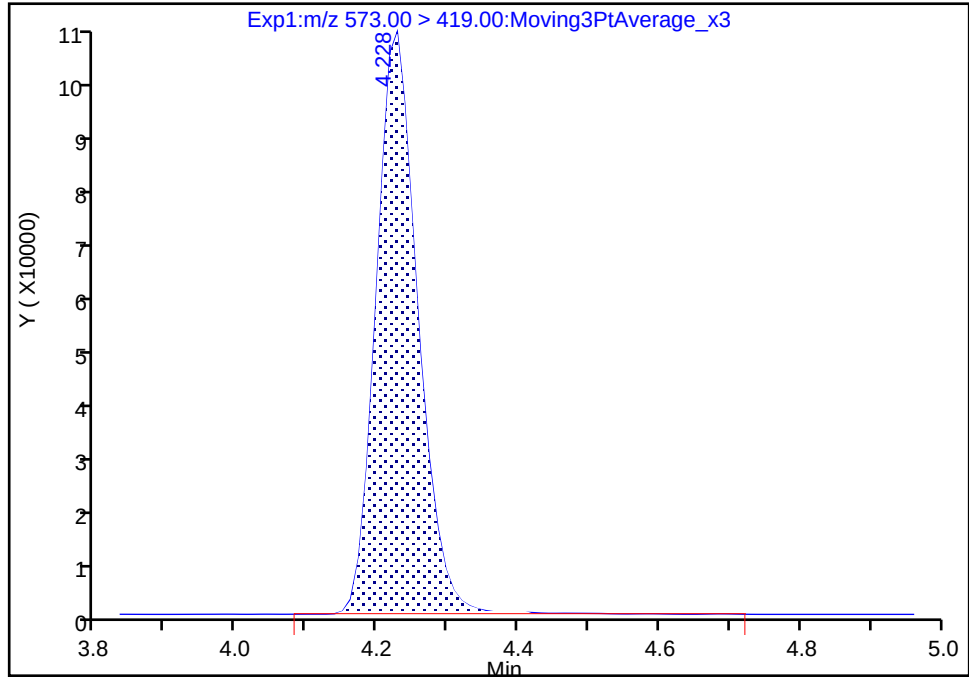
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A08.d				
Injection Date:	30-Nov-2022 10:13:51	Instrument ID:	LC812		
Lims ID:	460-269761-A-1-D	Lab Sample ID:	200-269761-1		
Client ID:	BCS-09-06_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	8
Injection Vol:	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

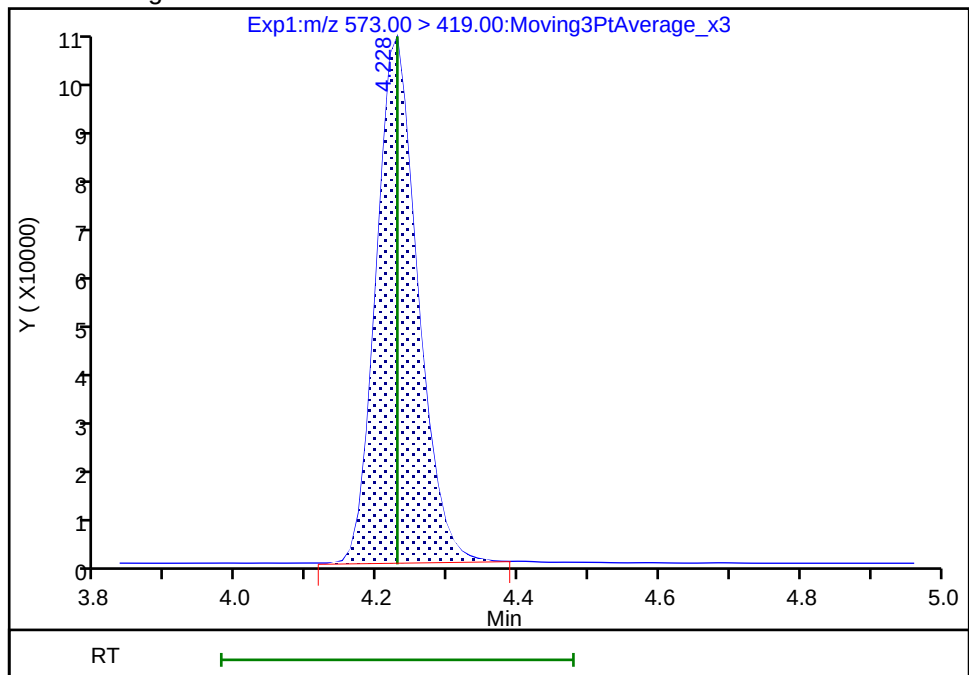
RT: 4.23
Area: 449544
Amount: 1.164105
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 445773
Amount: 1.154340
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:25:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-269761-1
 SDG No.: _____
 Client Sample ID: BCS-09-07_(0-5.5)P Lab Sample ID: 460-269761-2
 Matrix: Solid Lab File ID: PA221130A11.d
 Analysis Method: 537 (modified) Date Collected: 11/17/2022 13:45
 Extraction Method: SHAKE Date Extracted: 11/29/2022 10:30
 Sample wt/vol: 5.36(g) Date Analyzed: 11/30/2022 10:38
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6 (mm)
 % Moisture: 27.2 % Solids: 72.8 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186193 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.64	U	0.64	0.42
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.26	U	0.26	0.070
307-24-4	Perfluorohexanoic acid (PFHxA)	0.26	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	0.074
375-95-1	Perfluorononanoic acid (PFNA)	0.26	U	0.26	0.044
335-76-2	Perfluorodecanoic acid (PFDA)	0.26	U	0.26	0.036
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.26	U	0.26	0.035
307-55-1	Perfluorododecanoic acid (PFDoA)	0.26	U	0.26	0.032
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.26	U	0.26	0.032
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.26	U	0.26	0.033
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.26	U	0.26	0.042
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.26	U	0.26	0.053
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.26	U	0.26	0.029
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.26	U	0.26	0.14
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.26	U	0.26	0.024
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.26	U	0.26	0.044
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.56	U	2.56	0.14
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.56	U	2.56	0.11
27619-97-2	6:2 FTS	2.56	U	2.56	0.073
39108-34-4	8:2 FTS	2.56	U	2.56	0.047

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-269761-1
 SDG No.: _____
 Client Sample ID: BCS-09-07_(0-5.5)P Lab Sample ID: 460-269761-2
 Matrix: Solid Lab File ID: PA221130A11.d
 Analysis Method: 537 (modified) Date Collected: 11/17/2022 13:45
 Extraction Method: SHAKE Date Extracted: 11/29/2022 10:30
 Sample wt/vol: 5.36(g) Date Analyzed: 11/30/2022 10:38
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6 (mm)
 % Moisture: 27.2 % Solids: 72.8 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186193 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	87		50-150
STL01892	13C4 PFHpA	93		50-150
STL00990	13C4 PFOA	89		50-150
STL00991	13C4 PFOS	87		50-150
STL00995	13C5 PFNA	91		50-150
STL00992	13C4 PFBA	73		50-150
STL00993	13C2 PFHxA	90		50-150
STL00996	13C2 PFDA	93		50-150
STL00997	13C2 PFUnA	91		50-150
STL00998	13C2 PFDoA	88		50-150
STL01056	13C8 FOSA	86		50-150
STL01893	13C5 PFPeA	83		50-150
STL02116	13C2 PFTeDA	81		50-150
STL02118	d3-NMeFOSAA	85		50-150
STL02117	d5-NEtFOSAA	89		50-150
STL02279	M2-6:2 FTS	91		50-150
STL02280	M2-8:2 FTS	93		50-150
STL02337	13C3 PFBS	85		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A11.d
 Lims ID: 460-269761-A-2-B
 Client ID: BCS-09-07_(0-5.5)P
 Sample Type: Client
 Inject. Date: 30-Nov-2022 10:38:21 ALS Bottle#: 8 Worklist Smp#: 11
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 460-269761-A-2-B
 Misc. Info.: 200-0053485-011 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 01-Dec-2022 09:50:22 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: CTX1681

First Level Reviewer: khanphomeea

Date: 01-Dec-2022 11:00:56

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.094	2.076	0.018	0.612	1945444	0.9106		72.8	7200	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.094	2.076	0.018	1.000	66221	0.0413			5.1	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.387	2.387	0.0	0.698	1691002	1.04		83.1	2802	
D 47 13C3 PFBS										
301.90 > 80.00	2.400	2.400	0.0	0.701	1738524	0.9835		84.6	307043	
D 7 13C2 PFHxA										
315.00 > 270.00	2.725	2.725	0.0	0.797	1921369	1.13		90.2	3889	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.725	2.725	0.0	1.000	6868	0.004101	Target=14.25		1.1	M
313.00 > 119.00	2.738	2.725	0.013	1.004	635		10.82(7.12-21.37)		0.9	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.077	3.088	-0.011	0.899	1317330	1.02		86.5	2851	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.077	3.088	-0.011	1.000	4887	0.003887	Target=3.66		11.6	M
399.00 > 99.00	3.099	3.088	0.011	1.007	2002		2.44(1.83-5.49)		1.7	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.077	3.099	-0.022	0.899	2033786	1.16		92.8	3034	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.077	3.099	-0.022	1.000	2776	0.001567	Target=3.97		0.6	
363.00 > 169.00	3.088	3.099	-0.011	1.004	1219		2.28(1.98-5.95)		2.4	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.413	3.439	-0.026	0.997	233554	1.08		91.1	307	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.413	3.439	-0.026	1.000	8769	0.009233			7.5	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 14 13C4 PFOA										
417.00 > 372.00	3.422	3.448	-0.026	1.000	2203353	1.12		89.4	4145	
* 62 13C2 PFOA										
415.00 > 370.00	3.422	3.448	-0.026		2380751	1.25			4740	
15 Perfluorooctanoic acid										RM
413.00 > 369.00	3.448	3.448	0.0	1.008	11074	0.005877	Target=2.79	0.5		RM
413.00 > 169.00	3.422	3.448	-0.026	1.000	1654		6.70(1.40-4.19)	2.7		M
D 18 13C4 PFOS										
503.00 > 80.00	3.735	3.764	-0.029	1.092	904423	1.04		86.6	2057	
17 Perfluorooctanesulfonic acid										RM
499.00 > 80.00	3.735	3.764	-0.029	1.000	5985	0.006502	Target=5.11	3.1		RM
499.00 > 99.00	3.573	3.764	-0.191	0.957	7457		0.80(2.55-7.66)	12.8		M
D 19 13C5 PFNA										
468.00 > 423.00	3.754	3.783	-0.029	1.097	2175944	1.14		90.9	5861	
D 23 13C2 PFDA										
515.00 > 470.00	4.041	4.081	-0.040	1.181	2272848	1.16		93.1	3402	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.051	4.093	-0.042	1.184	294172	1.11		93.0	654	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.061	4.093	-0.032	1.003	145	0.000365		3.8		M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.116	4.150	-0.034	1.000	2429	0.001682		7.2		M
D 21 13C8 FOSA										
506.00 > 78.00	4.116	4.150	-0.034	1.203	1727896	1.08		86.4	2442	
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.184	4.228	-0.044	1.223	423005	1.06		85.1	931	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.196	4.228	-0.032	1.003	913	-0.008491		5.7		M
D 30 13C2 PFUnA										
565.00 > 520.00	4.308	4.353	-0.045	1.259	2036916	1.14		91.2	4321	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.342	4.365	-0.023	1.005	840	0.002680		5.9		M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.320	4.365	-0.045	1.262	437579	1.12		89.4	909	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.543	4.591	-0.048	0.997	3603	0.002120	Target=7.77	0.7		
613.00 > 169.00	4.555	4.591	-0.036	1.000	445		8.10(3.89-11.66)	4.2		M
D 36 13C2 PFDaA										
615.00 > 570.00	4.555	4.591	-0.036	1.331	2005256	1.10		88.1	3948	
41 Perfluorotridecanoic acid										RM
663.00 > 619.00	4.758	4.804	-0.046	1.045	1450	0.000892	Target=5.21	0.2		RM
663.00 > 169.00	4.767	4.804	-0.037	1.047	625		2.32(2.60-7.81)	6.1		M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	4.962	5.012	-0.050	1.000	276	0.001584	Target=0.89	4.9		M
713.00 > 219.00	4.962	5.012	-0.050	1.000	553		0.50(0.44-1.33)	8.8		
D 43 13C2 PFTeDA										
715.00 > 670.00	4.962	5.012	-0.050	1.450	1591288	1.01		80.8	3719	

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A11.d

Injection Date: 30-Nov-2022 10:38:21

Instrument ID: LC812

Lims ID: 460-269761-A-2-B

Lab Sample ID: 200-269761-2

Client ID: BCS-09-07_(0-5.5)P

Operator ID: lc812tech

ALS Bottle#: 8

Worklist Smp#: 11

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

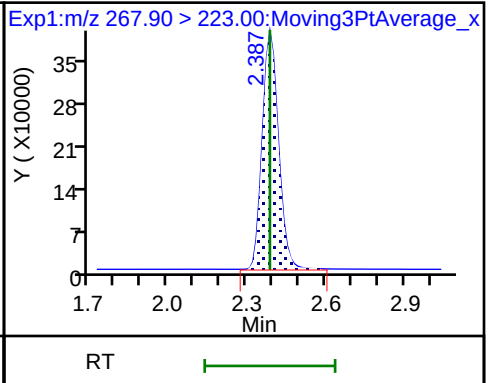
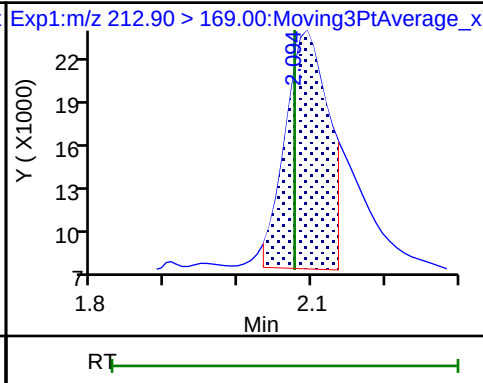
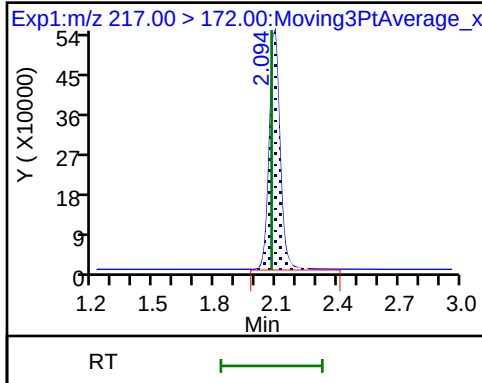
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

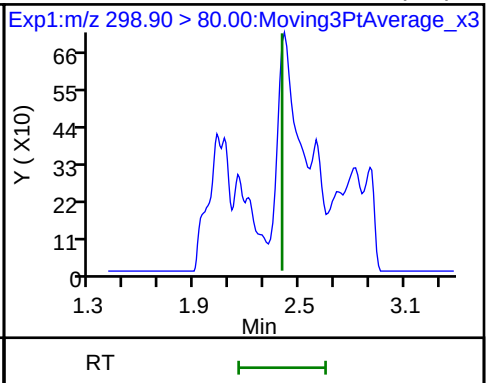
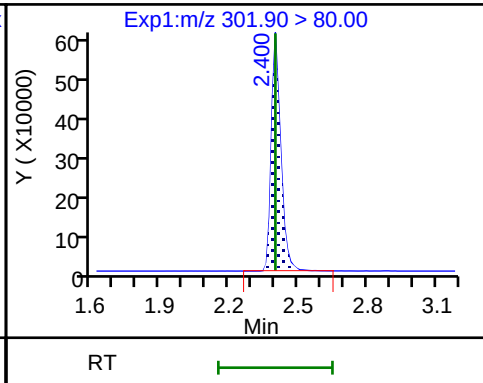
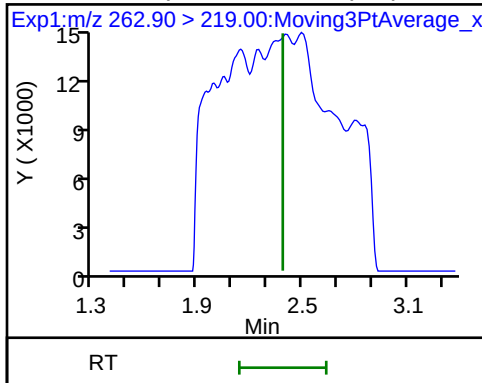
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (ND)

D 47 13C3 PFBS

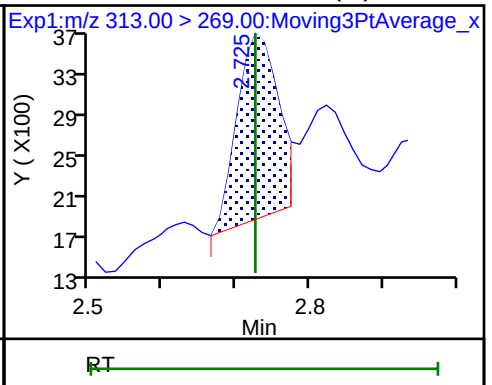
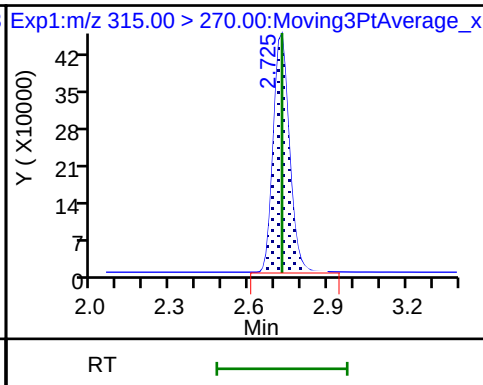
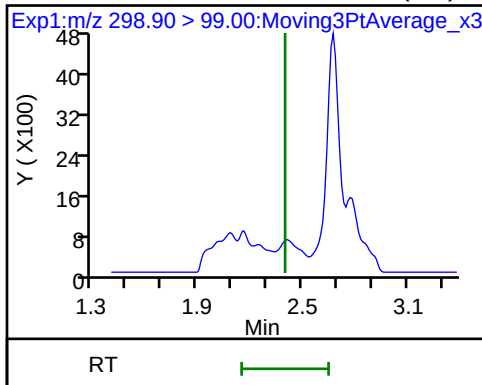
5 Perfluorobutanesulfonic acid (ND)



5 Perfluorobutanesulfonic acid (ND)

D 7 13C2 PFHxA

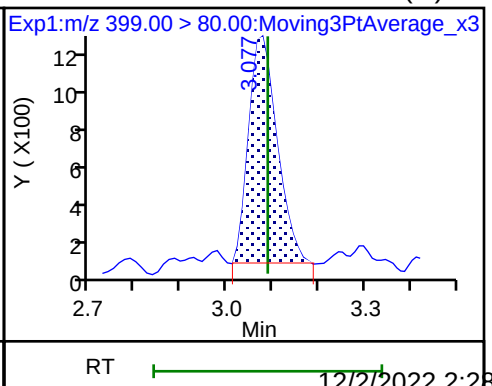
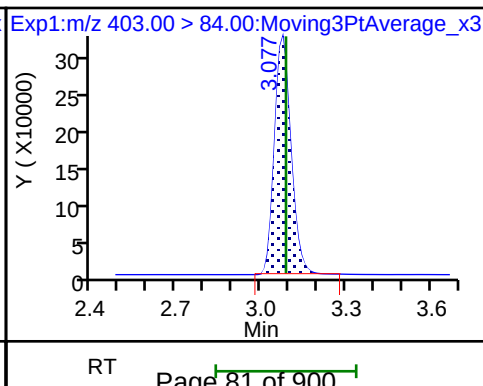
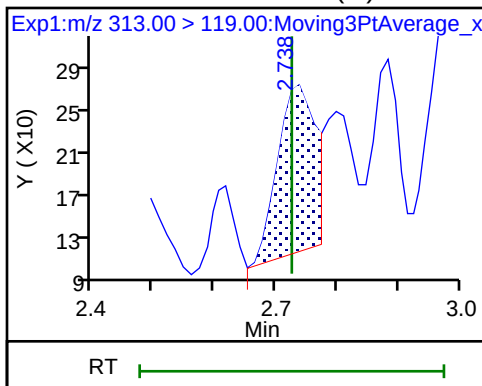
6 Perfluorohexanoic acid (M)

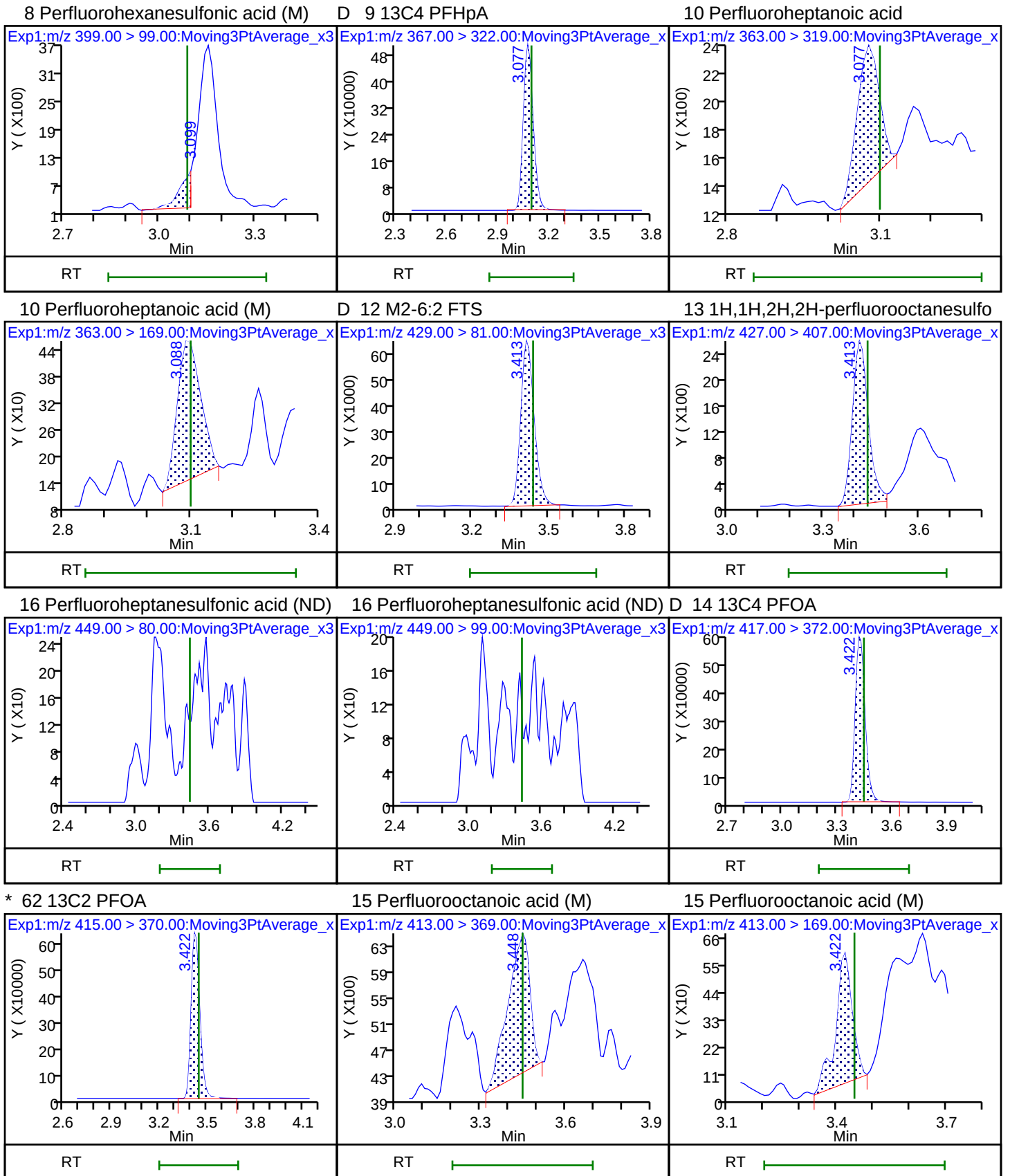


6 Perfluorohexanoic acid (M)

D 11 18O2 PFHxS

8 Perfluorohexanesulfonic acid (M)

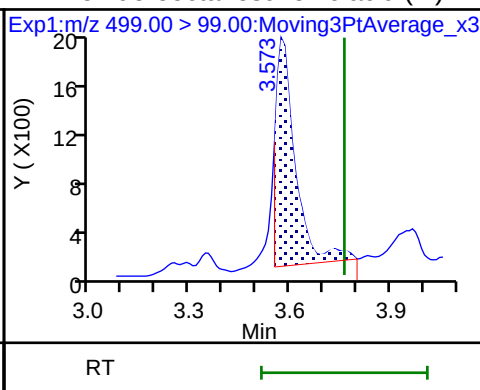
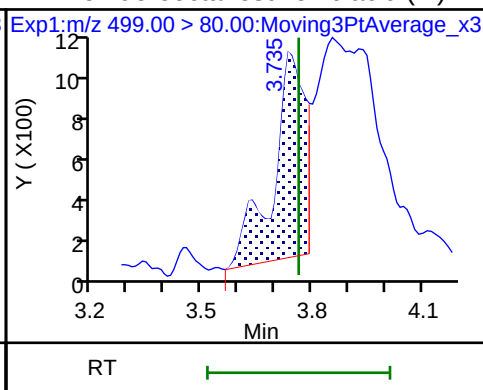
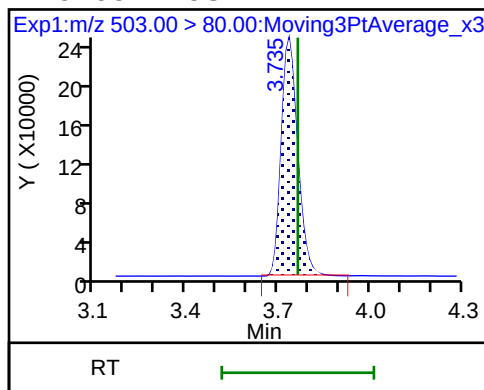




D 18 13C4 PFOS

17 Perfluorooctanesulfonic acid (M)

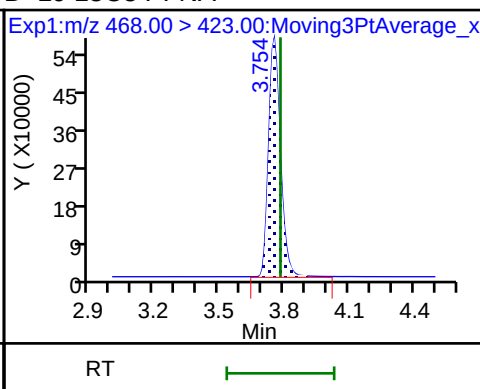
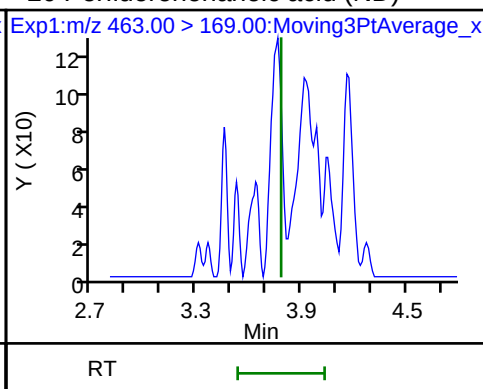
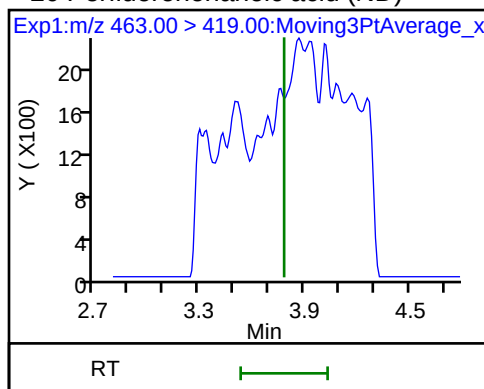
17 Perfluorooctanesulfonic acid (M)



20 Perfluorononanoic acid (ND)

20 Perfluorononanoic acid (ND)

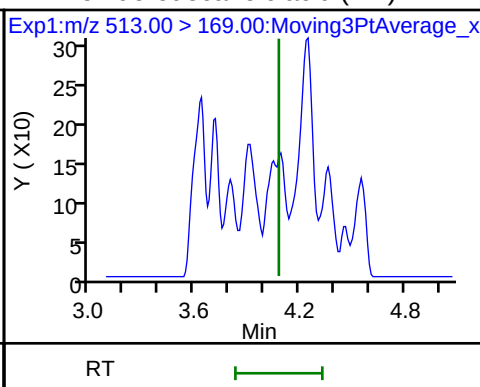
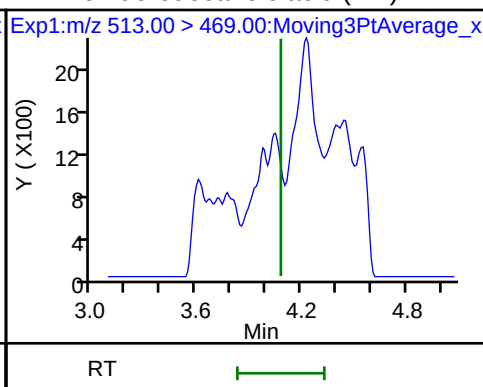
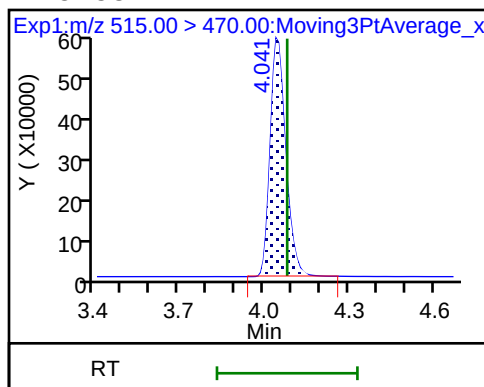
D 19 13C5 PFNA



D 23 13C2 PFDA

24 Perfluorodecanoic acid (ND)

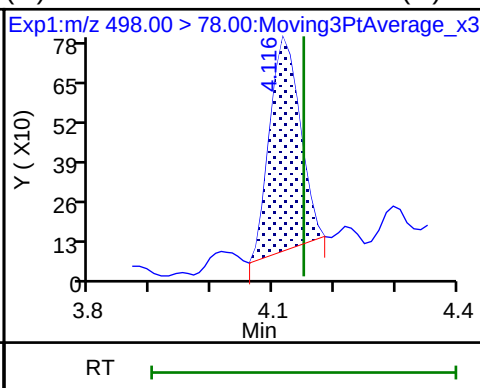
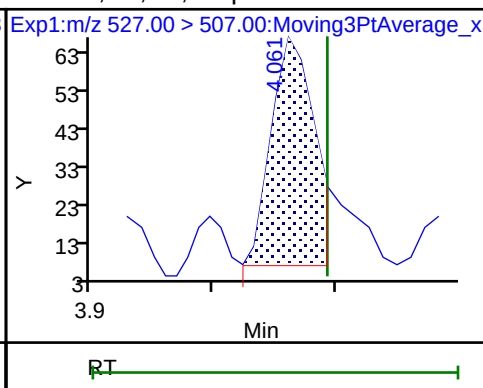
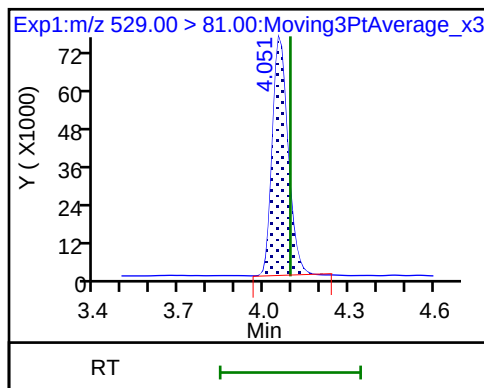
24 Perfluorodecanoic acid (ND)



D 26 M2-8:2 FTS

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

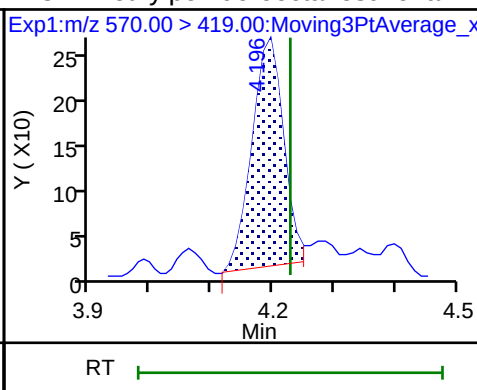
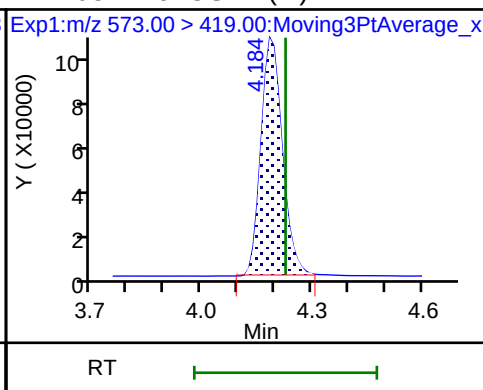
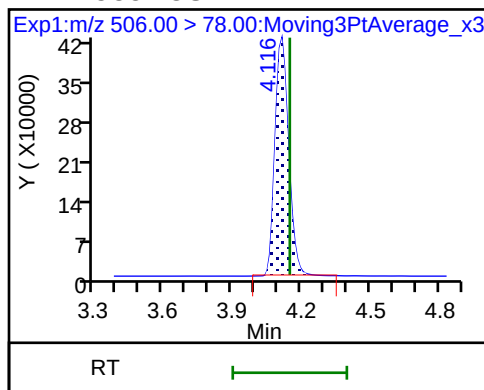
22 Perfluorooctanesulfonamide (M)



D 21 13C8 FOSA

D 27 d3-NMeFOSAA (M)

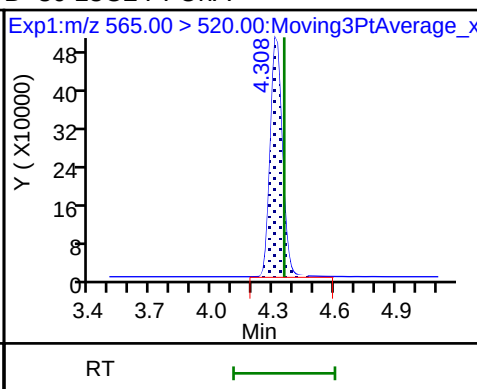
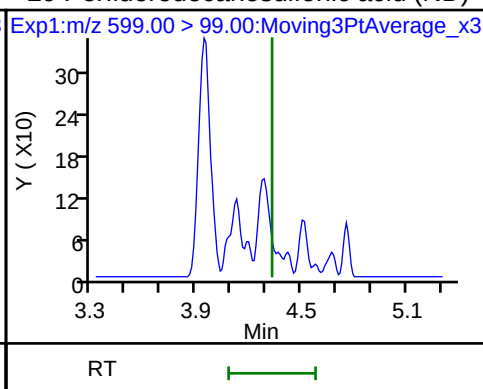
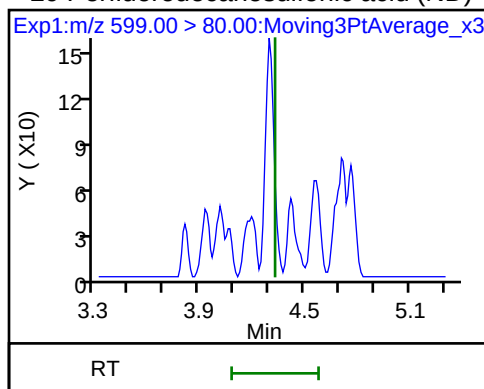
28 N-methylperfluorooctanesulfonami (M)



29 Perfluorodecanesulfonic acid (ND)

29 Perfluorodecanesulfonic acid (ND)

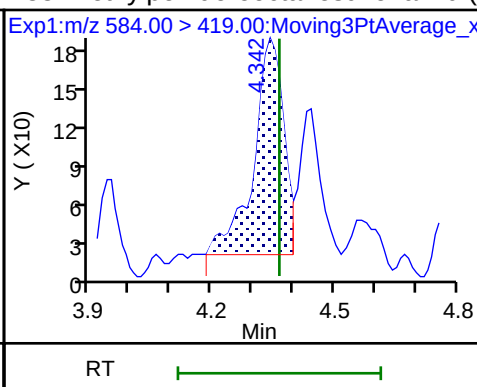
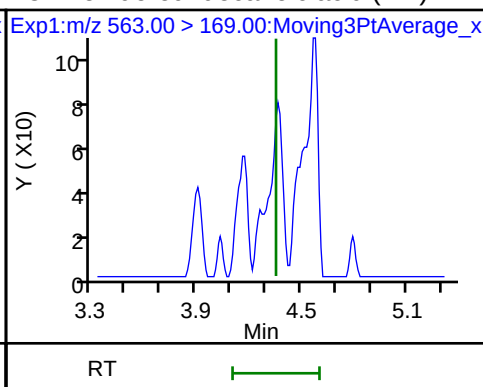
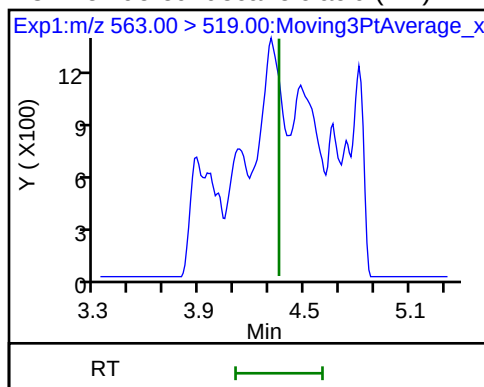
D 30 13C2 PFUnA



31 Perfluoroundecanoic acid (ND)

31 Perfluoroundecanoic acid (ND)

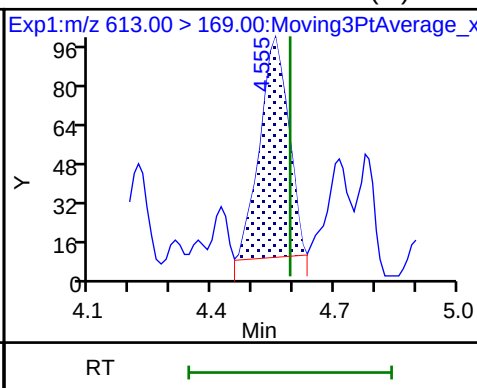
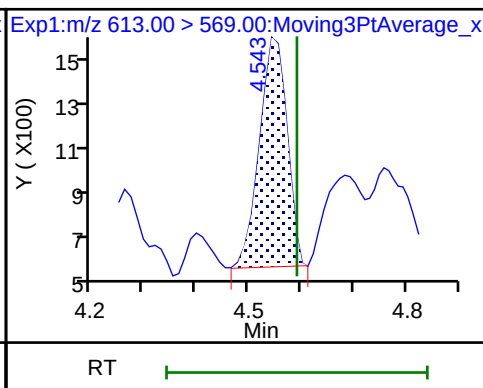
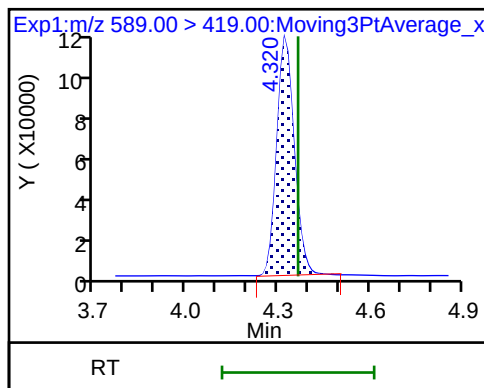
33 N-ethylperfluorooctanesulfonamid (M)



D 32 d5-NEtFOSAA

37 Perfluorododecanoic acid

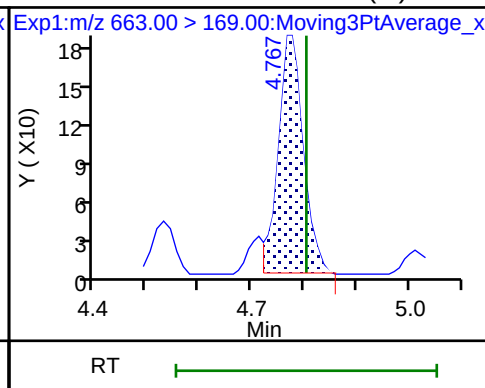
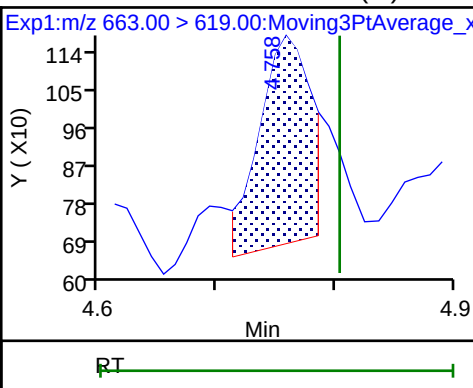
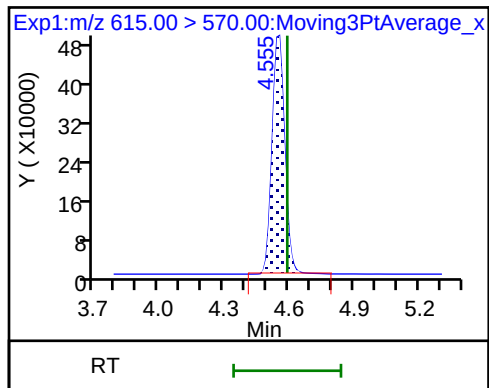
37 Perfluorododecanoic acid (M)



D 36 13C2 PFDaA

41 Perfluorotridecanoic acid (M)

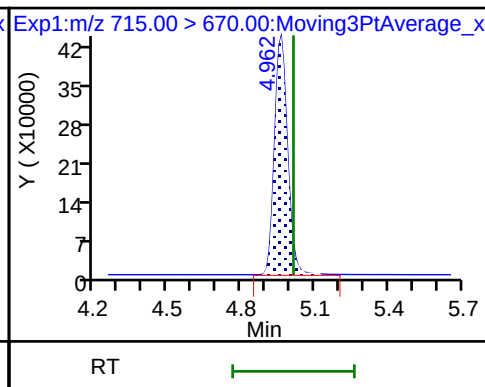
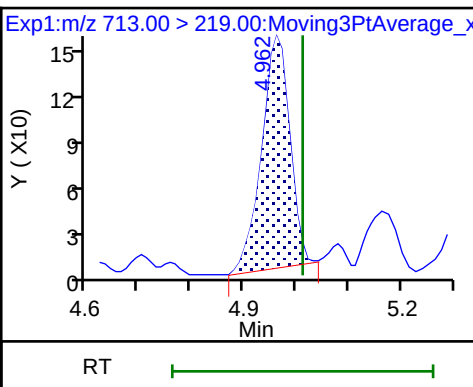
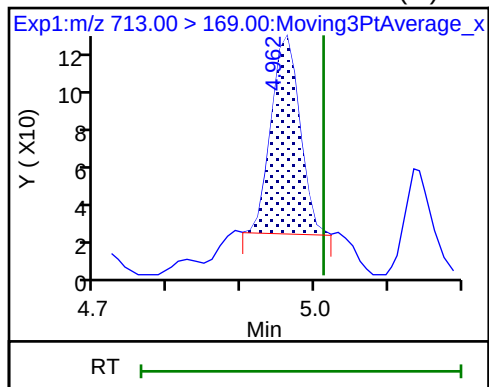
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid

D 43 13C2 PFTeDA



Eurofins Burlington

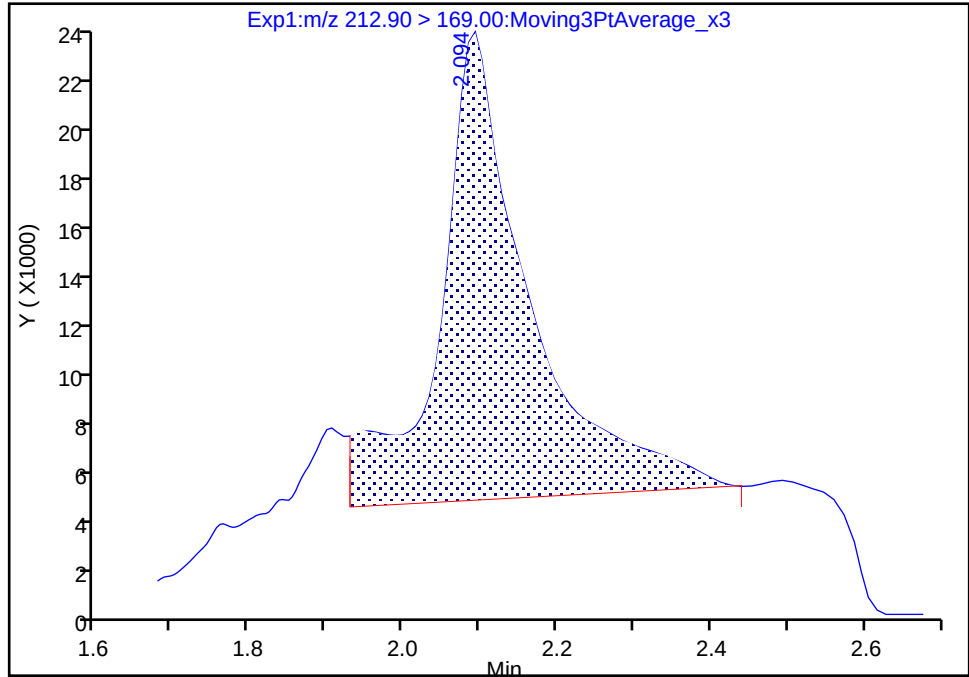
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Injection Date:	30-Nov-2022 10:38:21	Instrument ID:	LC812		
Lims ID:	460-269761-A-2-B	Lab Sample ID:	200-269761-2		
Client ID:	BCS-09-07_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

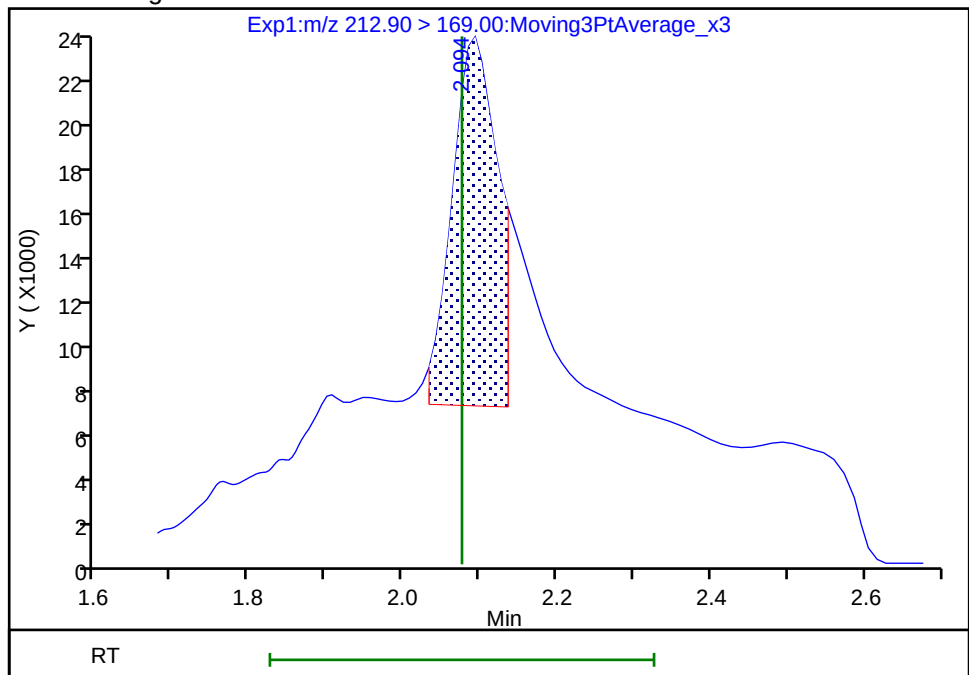
RT: 2.09
Area: 155210
Amount: 0.096710
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 66221
Amount: 0.041262
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:57:51

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

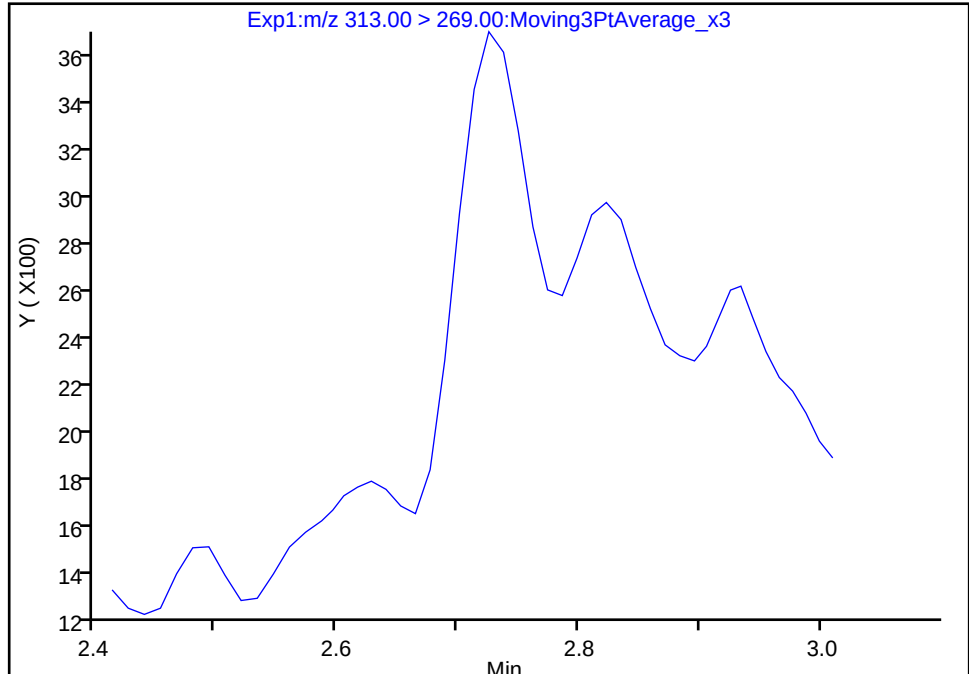
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Lims ID:	460-269761-A-2-B	Lab Sample ID:	200-269761-2		
Client ID:	BCS-09-07_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

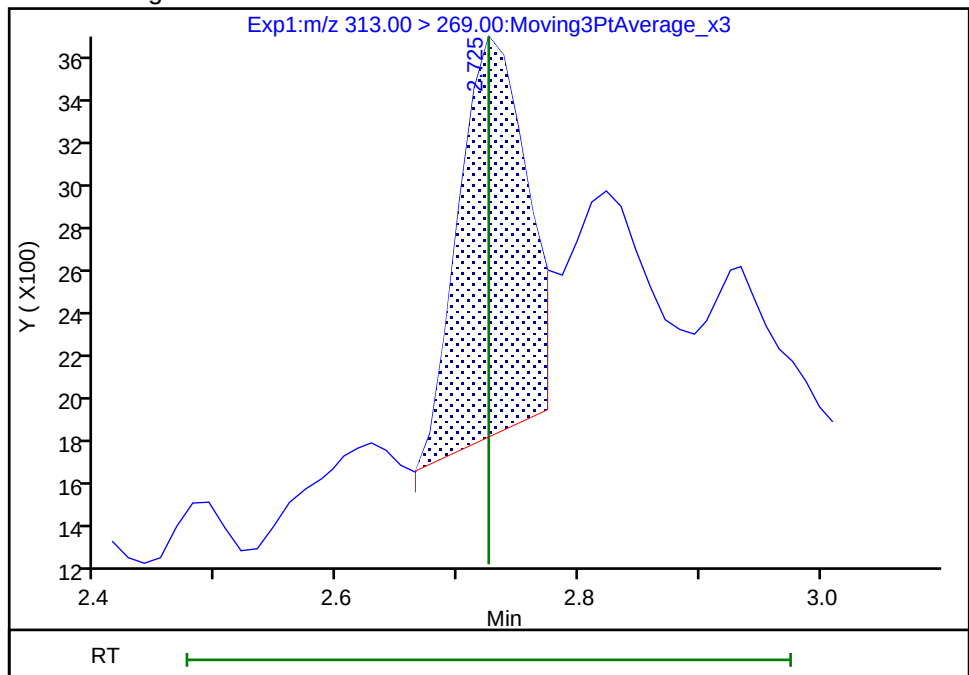
Signal: 1

Not Detected
Expected RT: 2.73

Processing Integration Results



Manual Integration Results

RT: 2.73
Area: 6868
Amount: 0.004101
Amount Units: ng/ml

Reviewer: khanphomeea, 01-Dec-2022 10:58:08

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

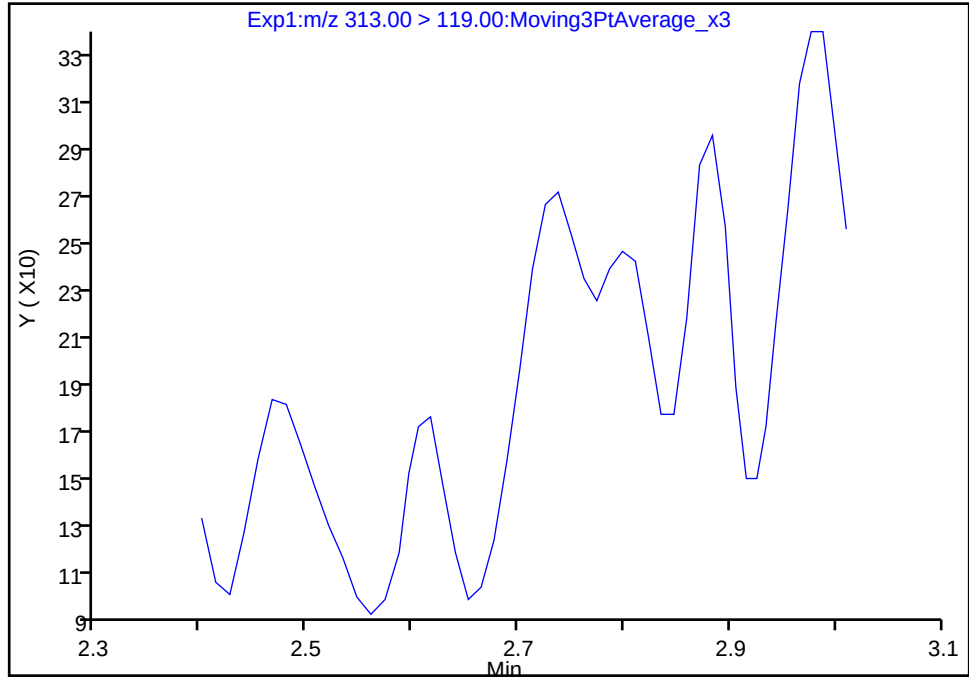
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Injection Date: 30-Nov-2022 10:38:21 Instrument ID: LC812
Lims ID: 460-269761-A-2-B Lab Sample ID: 200-269761-2
Client ID: BCS-09-07_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

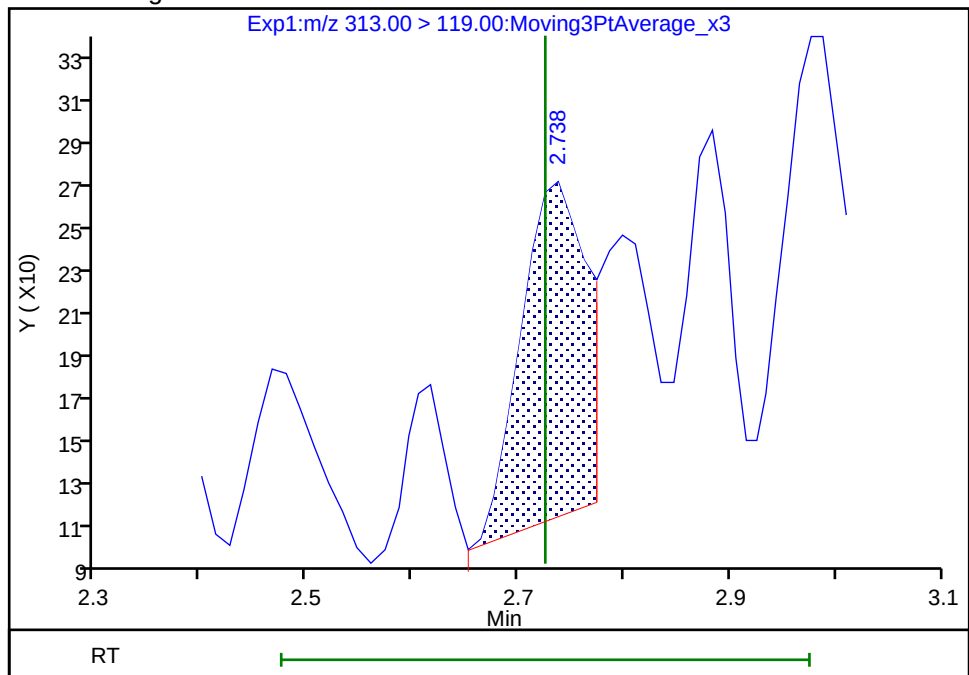
Not Detected
Expected RT: 2.73

Processing Integration Results



Manual Integration Results

RT: 2.74
Area: 635
Amount: 0.004101
Amount Units: ng/ml



Reviewer: khanphomeea, 01-Dec-2022 10:58:10

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Page 88 of 900

12/2/2022 2:28
PM

Eurofins Burlington

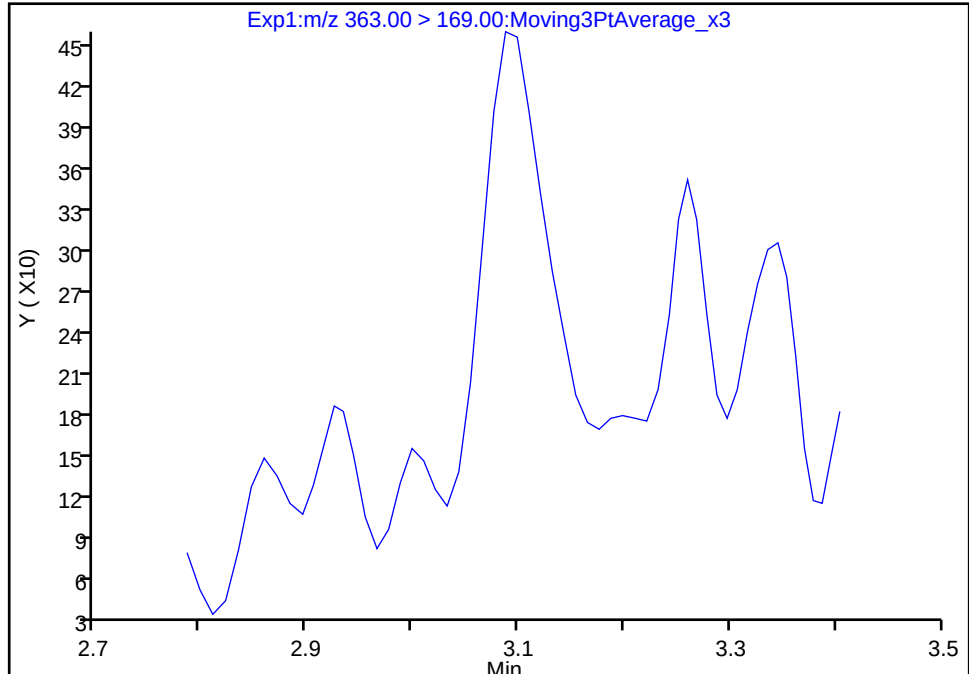
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Injection Date:	30-Nov-2022 10:38:21	Instrument ID:	LC812		
Lims ID:	460-269761-A-2-B	Lab Sample ID:	200-269761-2		
Client ID:	BCS-09-07_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

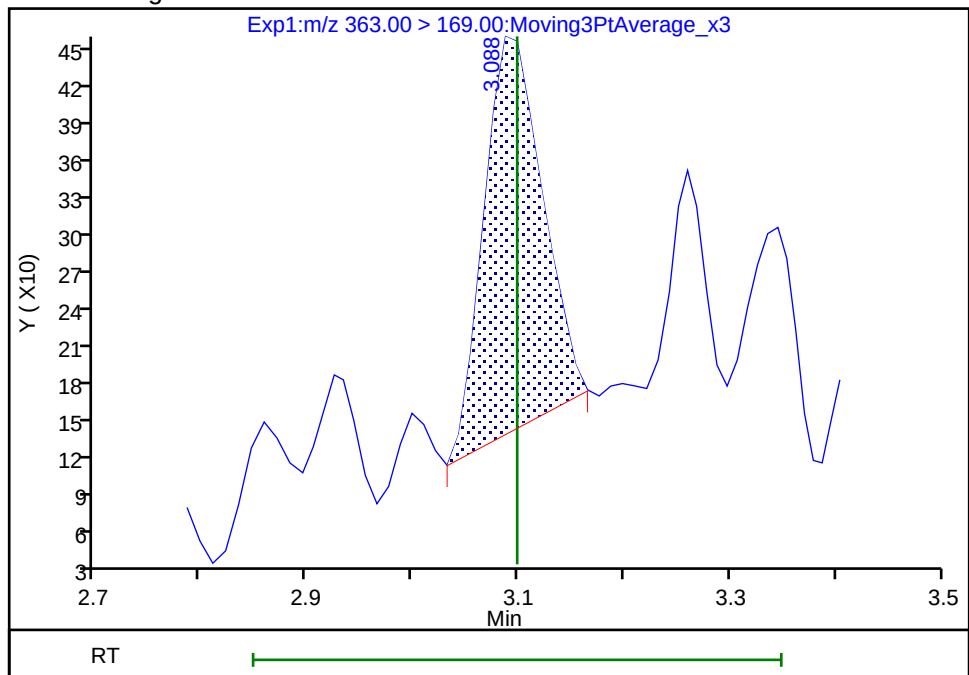
Signal: 2

Not Detected
Expected RT: 3.10

Processing Integration Results



Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:58:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

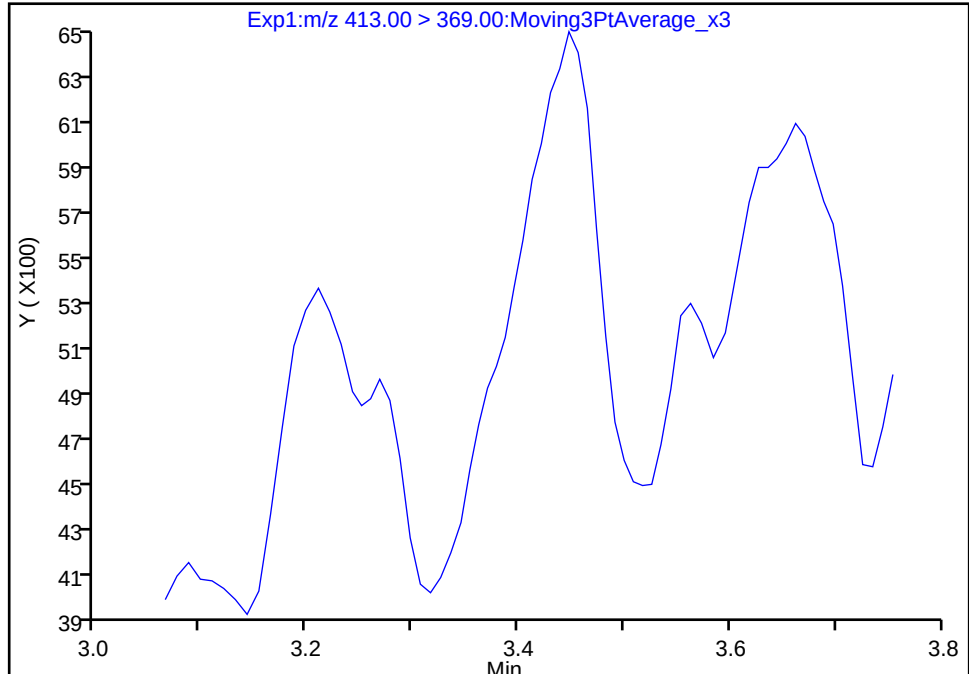
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A11.d				
Injection Date:	30-Nov-2022 10:38:21	Instrument ID:	LC812		
Lims ID:	460-269761-A-2-B	Lab Sample ID:	200-269761-2		
Client ID:	BCS-09-07_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

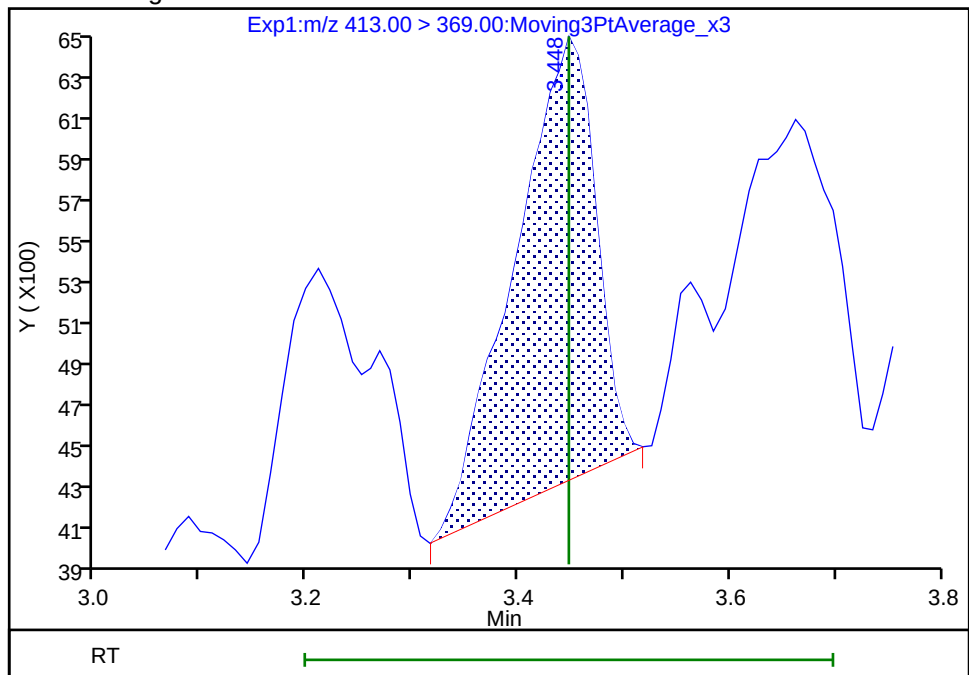
Signal: 1

Not Detected
Expected RT: 3.45

Processing Integration Results



Manual Integration Results



RT: 3.45
Area: 11074
Amount: 0.005877
Amount Units: ng/ml

Reviewer: khanphomeea, 01-Dec-2022 10:58:53

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

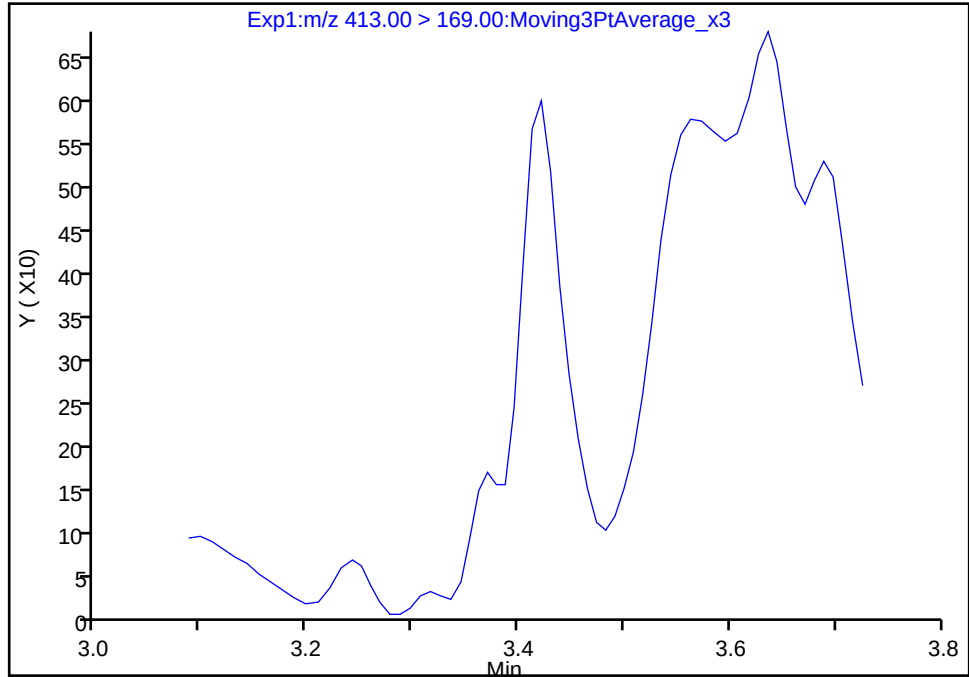
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A11.d
Injection Date: 30-Nov-2022 10:38:21 Instrument ID: LC812
Lims ID: 460-269761-A-2-B Lab Sample ID: 200-269761-2
Client ID: BCS-09-07_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

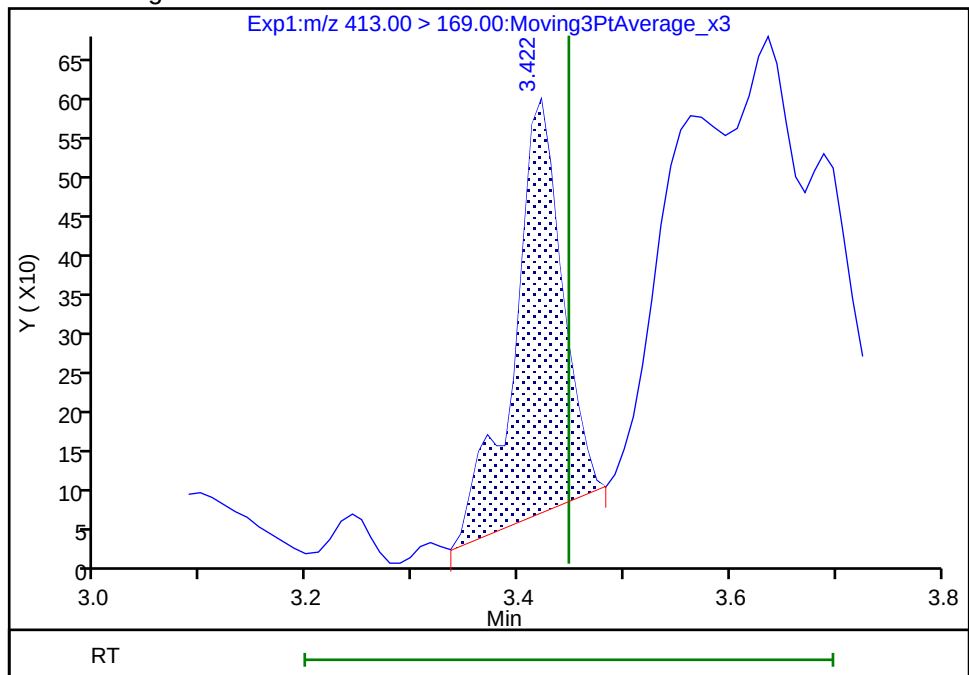
Not Detected
Expected RT: 3.45

Processing Integration Results



Manual Integration Results

RT: 3.42
Area: 1654
Amount: 0.005877
Amount Units: ng/ml



Reviewer: khanphomeea, 01-Dec-2022 10:58:56

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

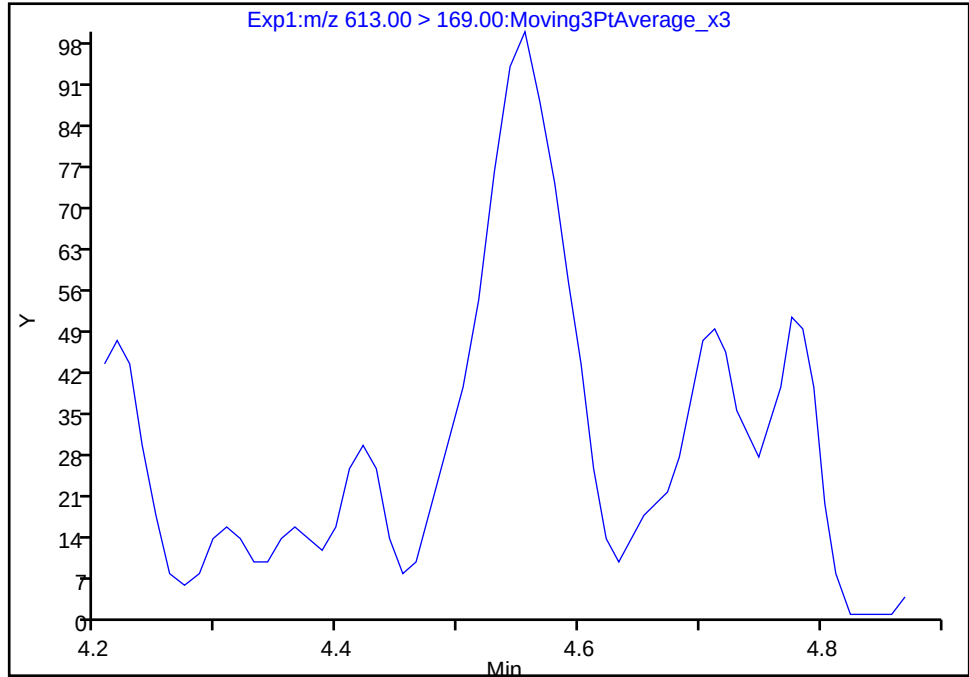
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A11.d				
Injection Date:	30-Nov-2022 10:38:21	Instrument ID:	LC812		
Lims ID:	460-269761-A-2-B	Lab Sample ID:	200-269761-2		
Client ID:	BCS-09-07_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

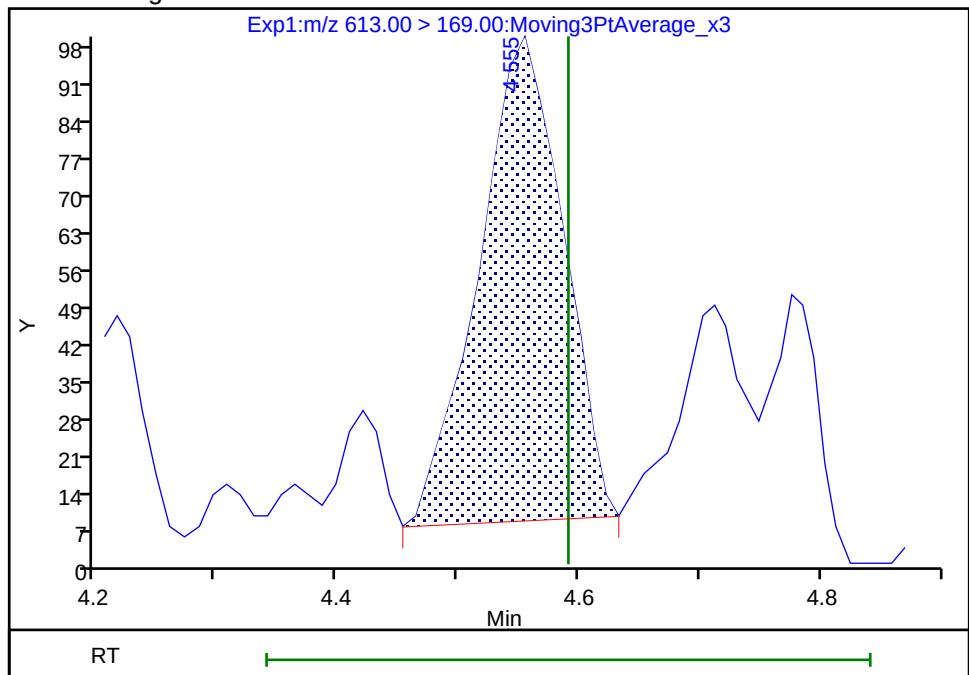
Signal: 2

Not Detected
Expected RT: 4.59

Processing Integration Results



Manual Integration Results



RT: 4.56
Area: 445
Amount: 0.002120
Amount Units: ng/ml

Reviewer: khanphomeea, 01-Dec-2022 11:00:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

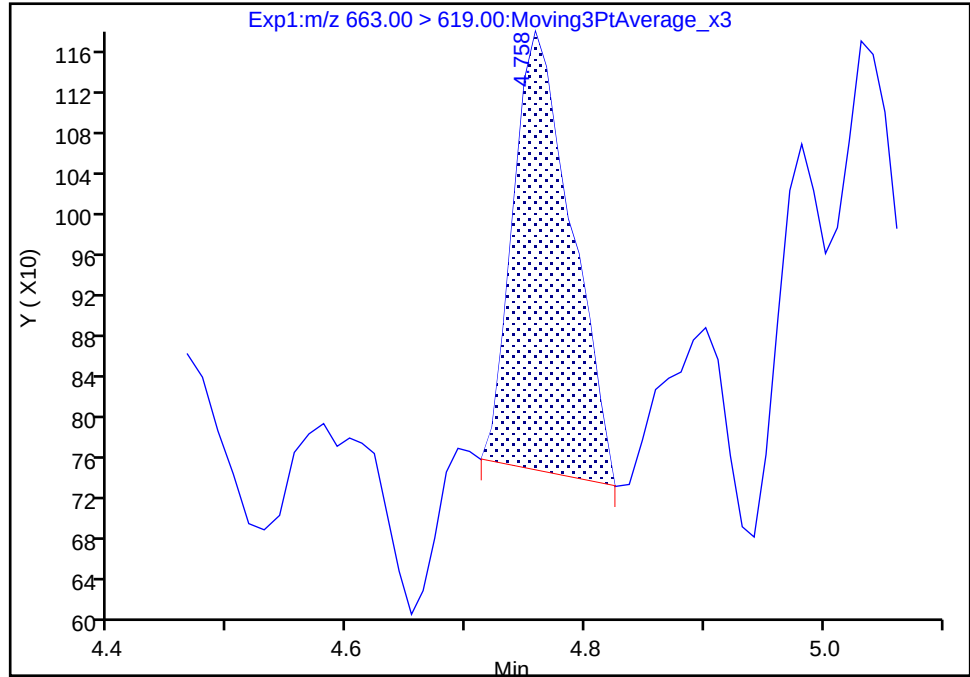
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A11.d				
Injection Date:	30-Nov-2022 10:38:21	Instrument ID:	LC812		
Lims ID:	460-269761-A-2-B	Lab Sample ID:	200-269761-2		
Client ID:	BCS-09-07_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

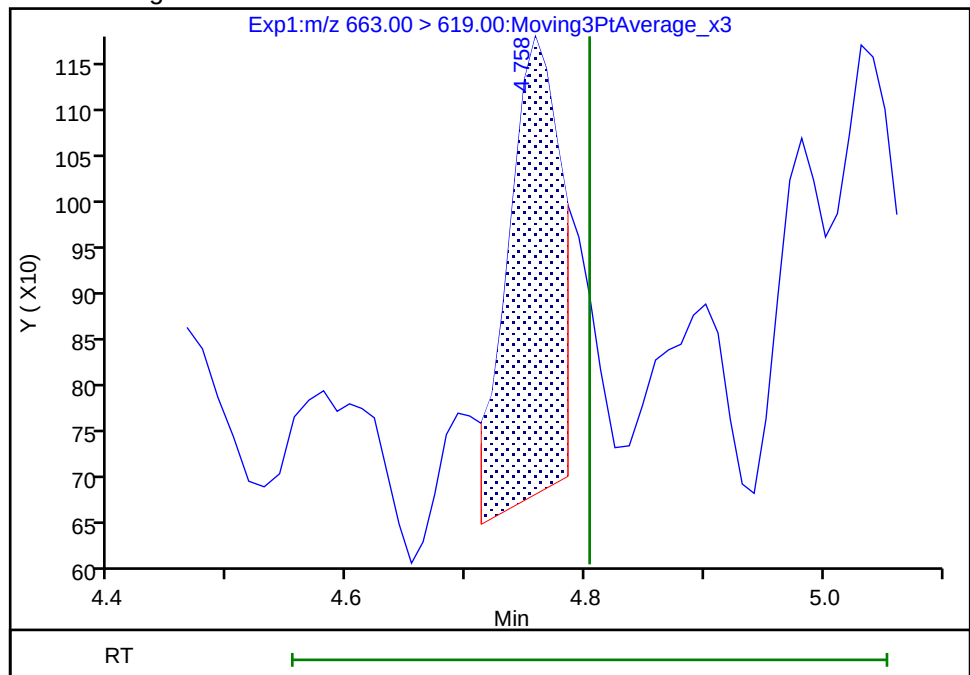
RT: 4.76
Area: 1451
Amount: 0.000893
Amount Units: ng/ml

Processing Integration Results



RT: 4.76
Area: 1450
Amount: 0.000892
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:00:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

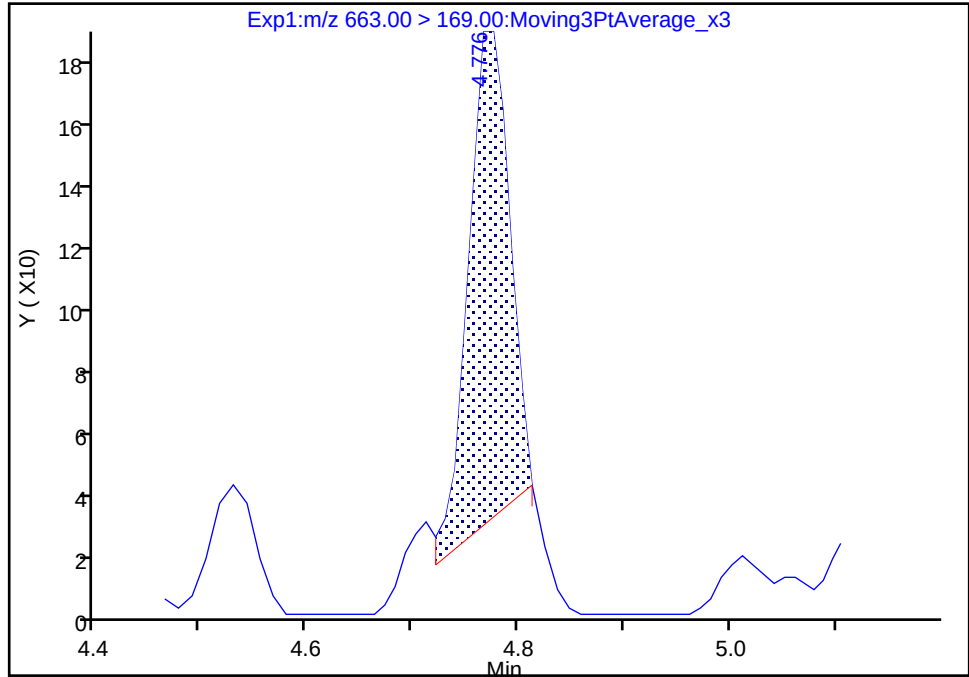
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A11.d
Injection Date: 30-Nov-2022 10:38:21 Instrument ID: LC812
Lims ID: 460-269761-A-2-B Lab Sample ID: 200-269761-2
Client ID: BCS-09-07_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

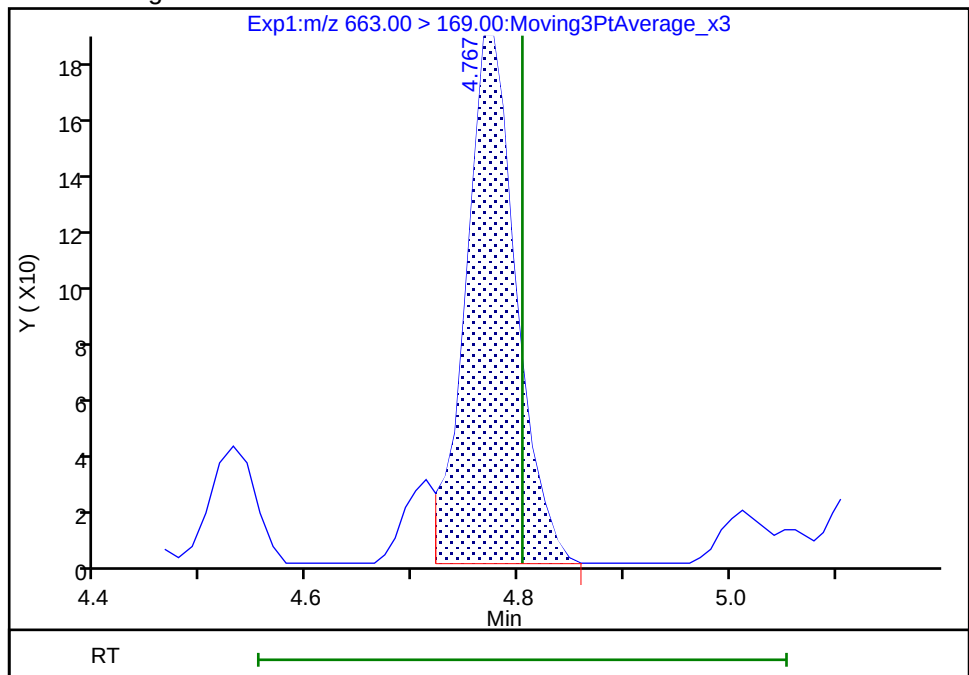
RT: 4.78
Area: 428
Amount: 0.000893
Amount Units: ng/ml

Processing Integration Results



RT: 4.77
Area: 625
Amount: 0.000892
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:00:44

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

Eurofins Burlington

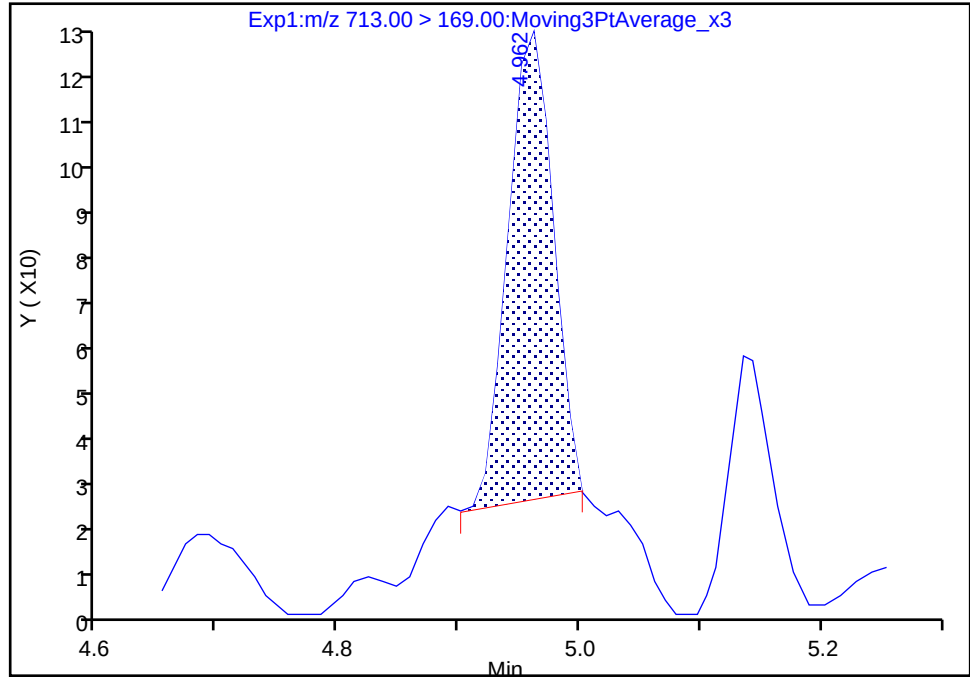
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A11.d				
Injection Date:	30-Nov-2022 10:38:21	Instrument ID:	LC812		
Lims ID:	460-269761-A-2-B	Lab Sample ID:	200-269761-2		
Client ID:	BCS-09-07_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

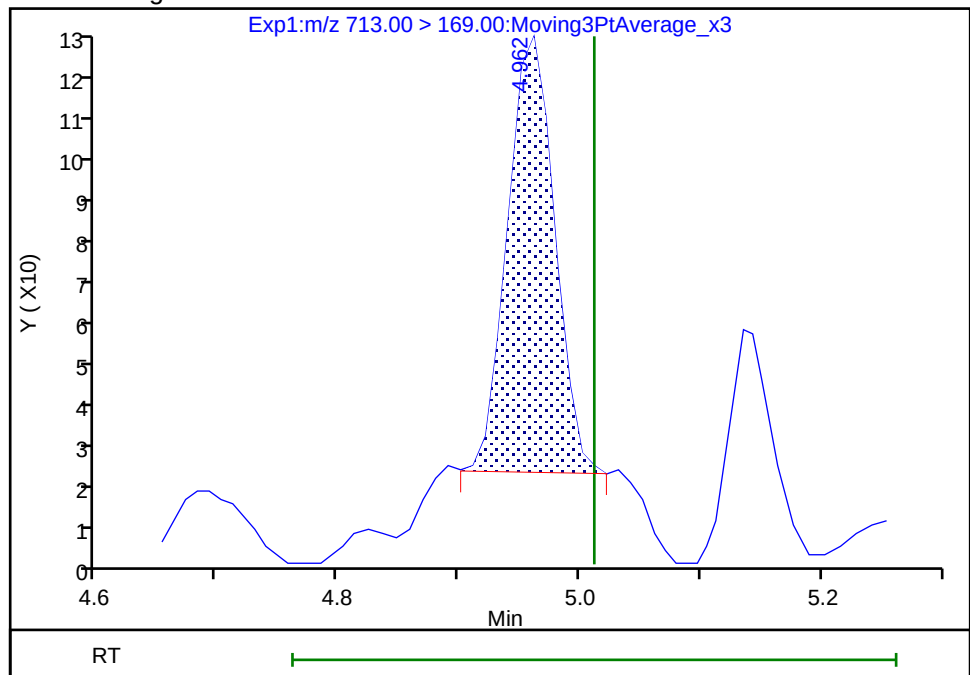
RT: 4.96
Area: 259
Amount: 0.001486
Amount Units: ng/ml

Processing Integration Results



RT: 4.96
Area: 276
Amount: 0.001584
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:00:51

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A11.d		
Injection Date:	30-Nov-2022 10:38:21	Instrument ID:	LC812
Lims ID:	460-269761-A-2-B	Lab Sample ID:	200-269761-2
Client ID:	BCS-09-07_(0-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	8 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#: 8 Worklist Smp#: 11
Dil. Factor: 1.0000
Limit Group: LC_PFC_ICAL
Detector: EXP1

Signal: 1

Not Detected
Expected RT: 3.09

Exp1:m/z 399.00 > 80.00:Moving3PtAverage_x3

Y (X100)

Min

RT: 3.08
Area: 4887
Amount: 0.003887
Amount Units: ng/ml

Exp1:m/z 399.00 > 80.00:Moving3PtAverage_x3

Y (X100)

3.077

RT

Reviewer: khanphomeea, 01-Dec-2022 10:58:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

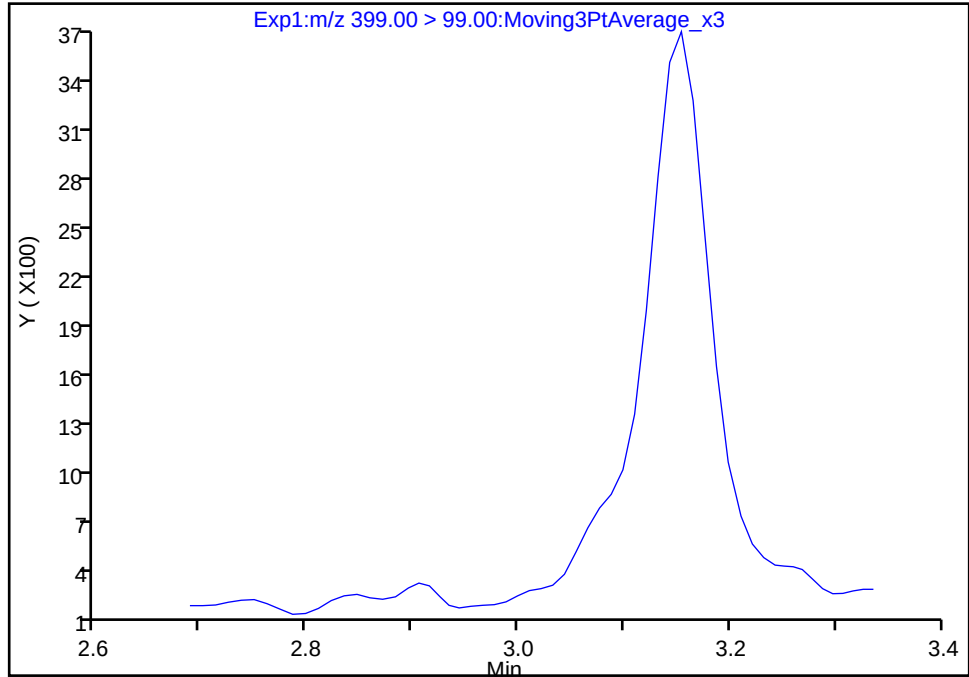
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A11.d
Injection Date: 30-Nov-2022 10:38:21 Instrument ID: LC812
Lims ID: 460-269761-A-2-B Lab Sample ID: 200-269761-2
Client ID: BCS-09-07_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

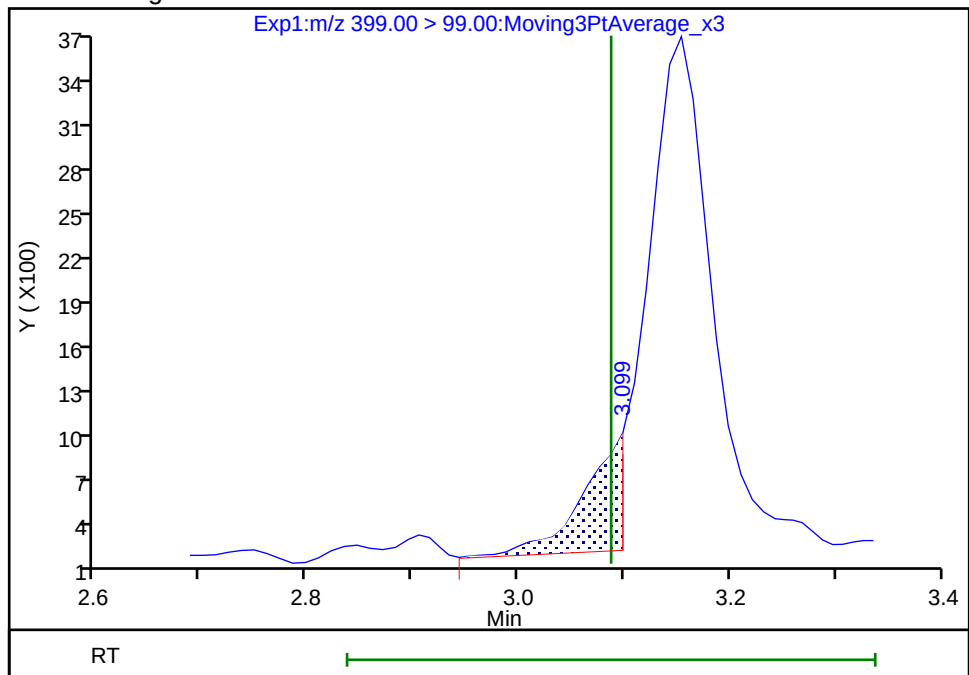
Not Detected
Expected RT: 3.09

Processing Integration Results



Manual Integration Results

RT: 3.10
Area: 2002
Amount: 0.003887
Amount Units: ng/ml



Reviewer: khanphomeea, 01-Dec-2022 10:58:30

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

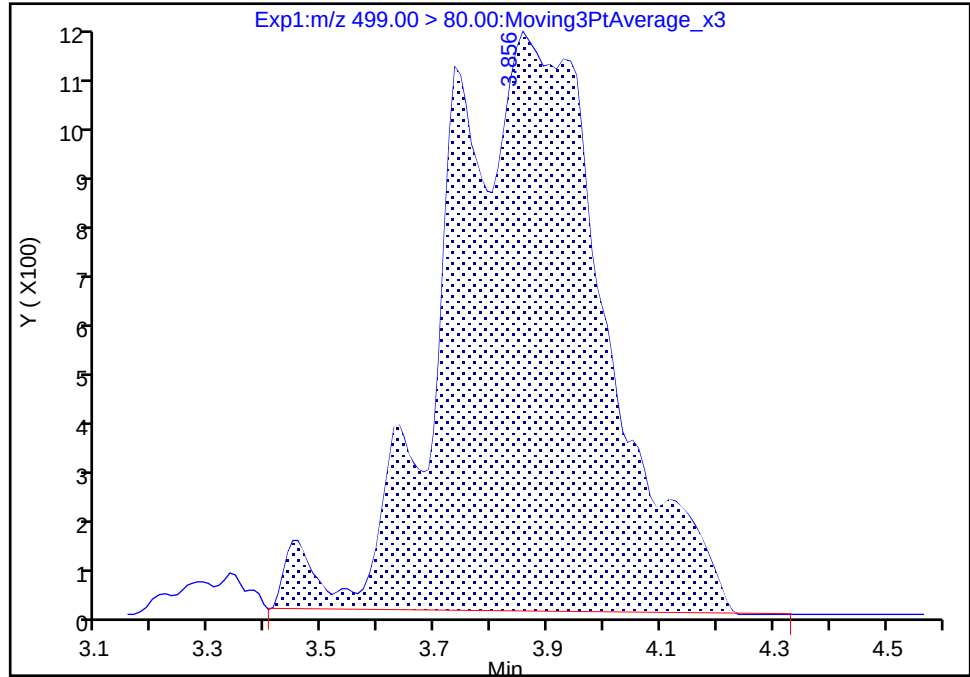
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A11.d
Injection Date: 30-Nov-2022 10:38:21 Instrument ID: LC812
Lims ID: 460-269761-A-2-B Lab Sample ID: 200-269761-2
Client ID: BCS-09-07_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

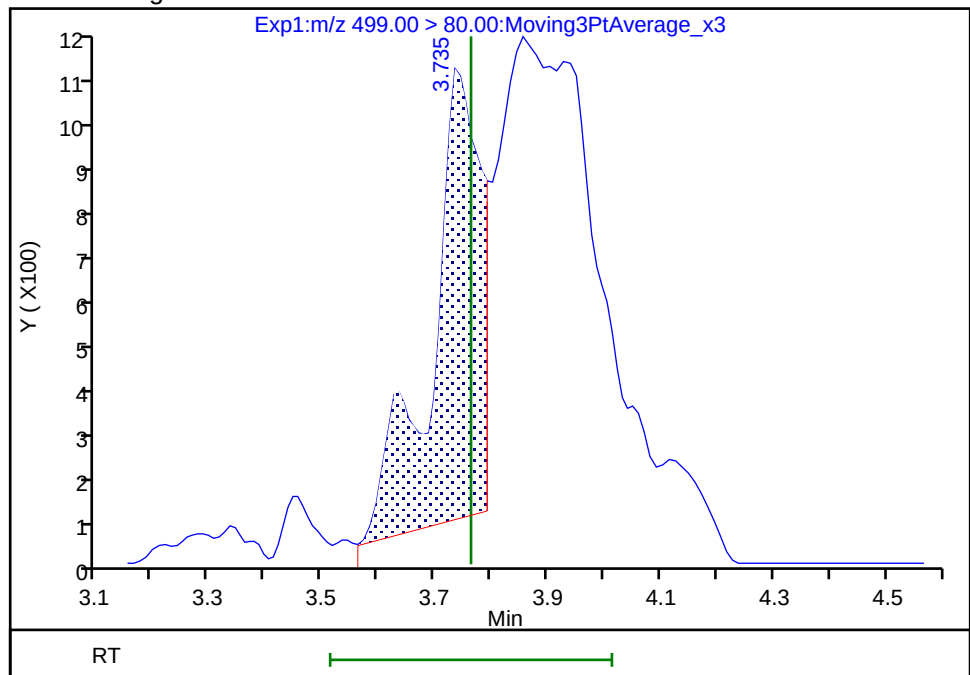
RT: 3.86
Area: 23497
Amount: 0.025528
Amount Units: ng/ml

Processing Integration Results



RT: 3.74
Area: 5985
Amount: 0.006502
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:59:06

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

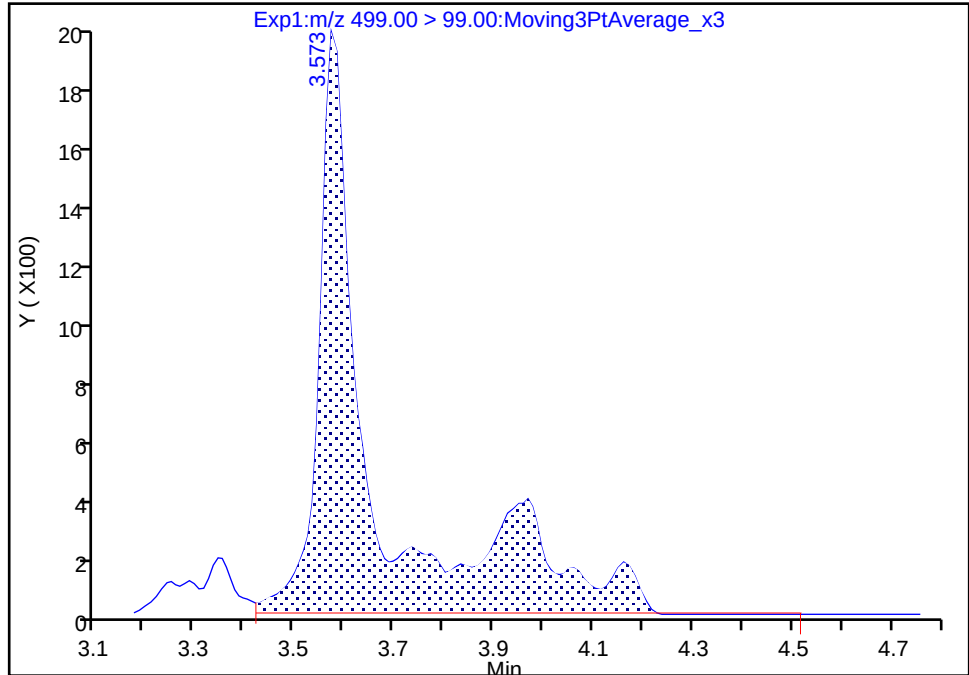
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A11.d
Injection Date: 30-Nov-2022 10:38:21 Instrument ID: LC812
Lims ID: 460-269761-A-2-B Lab Sample ID: 200-269761-2
Client ID: BCS-09-07_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

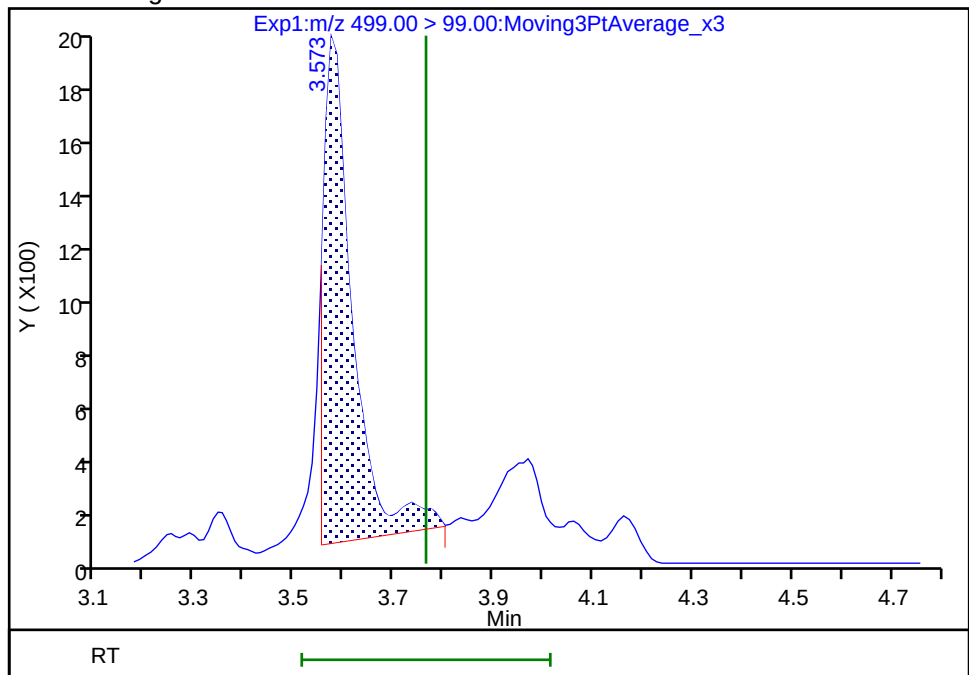
RT: 3.57
Area: 15344
Amount: 0.025528
Amount Units: ng/ml

Processing Integration Results



RT: 3.57
Area: 7457
Amount: 0.006502
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:59:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

Eurofins Burlington

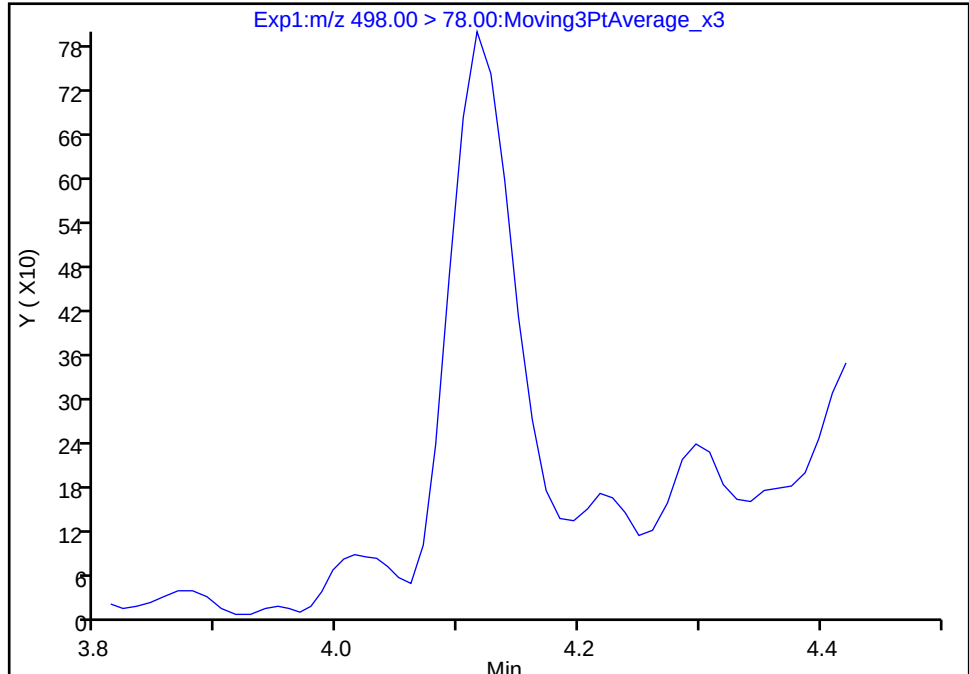
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A11.d				
Injection Date:	30-Nov-2022 10:38:21	Instrument ID:	LC812		
Lims ID:	460-269761-A-2-B	Lab Sample ID:	200-269761-2		
Client ID:	BCS-09-07_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

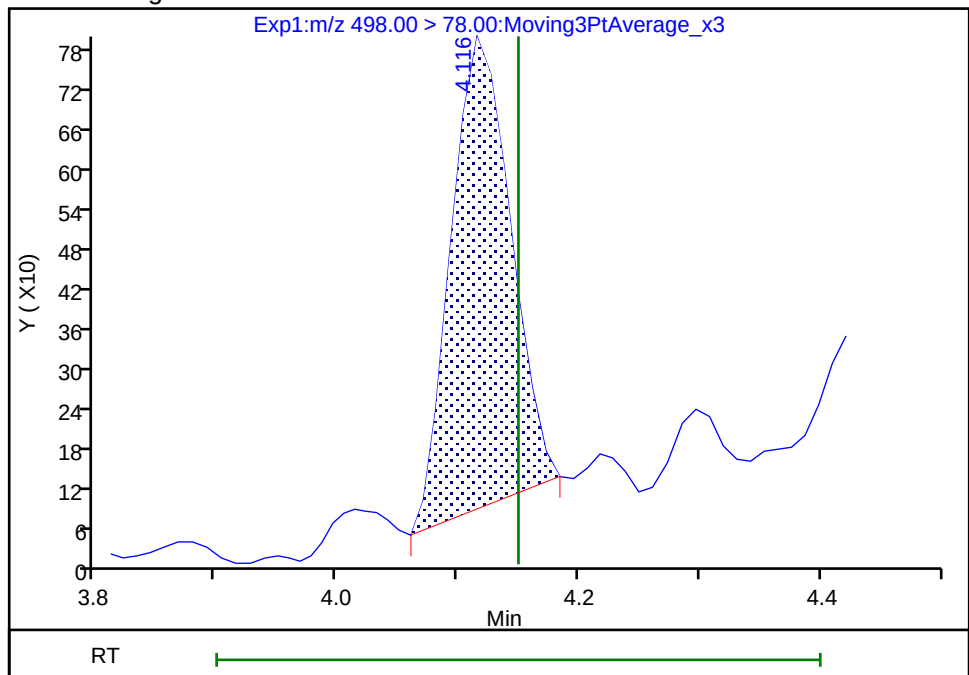
Not Detected
Expected RT: 4.15

Processing Integration Results



RT: 4.12
Area: 2429
Amount: 0.001682
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:59:55

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

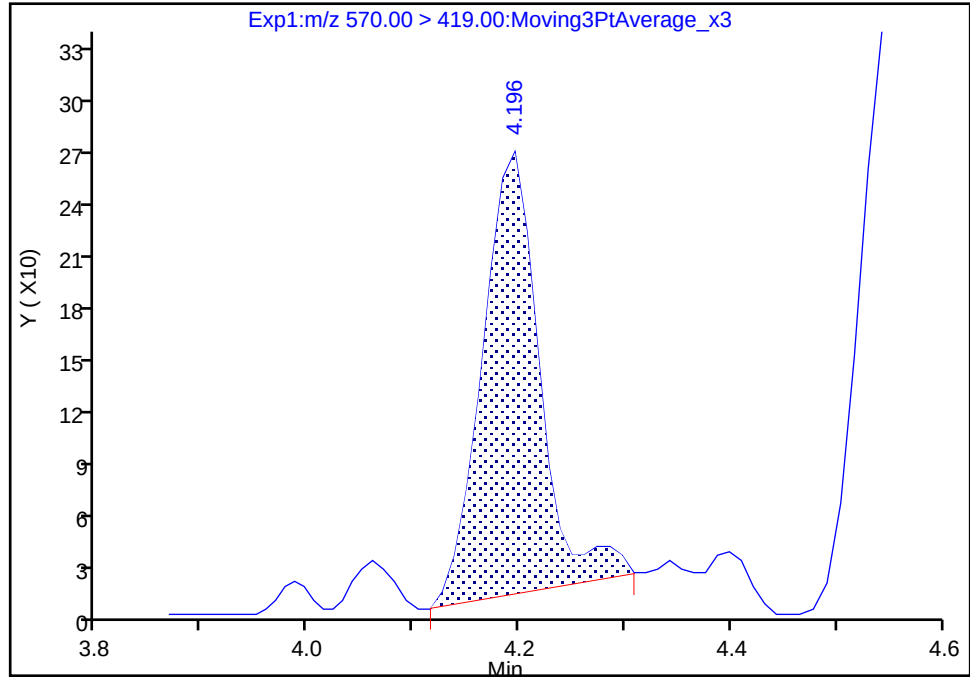
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A11.d
Injection Date: 30-Nov-2022 10:38:21 Instrument ID: LC812
Lims ID: 460-269761-A-2-B Lab Sample ID: 200-269761-2
Client ID: BCS-09-07_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

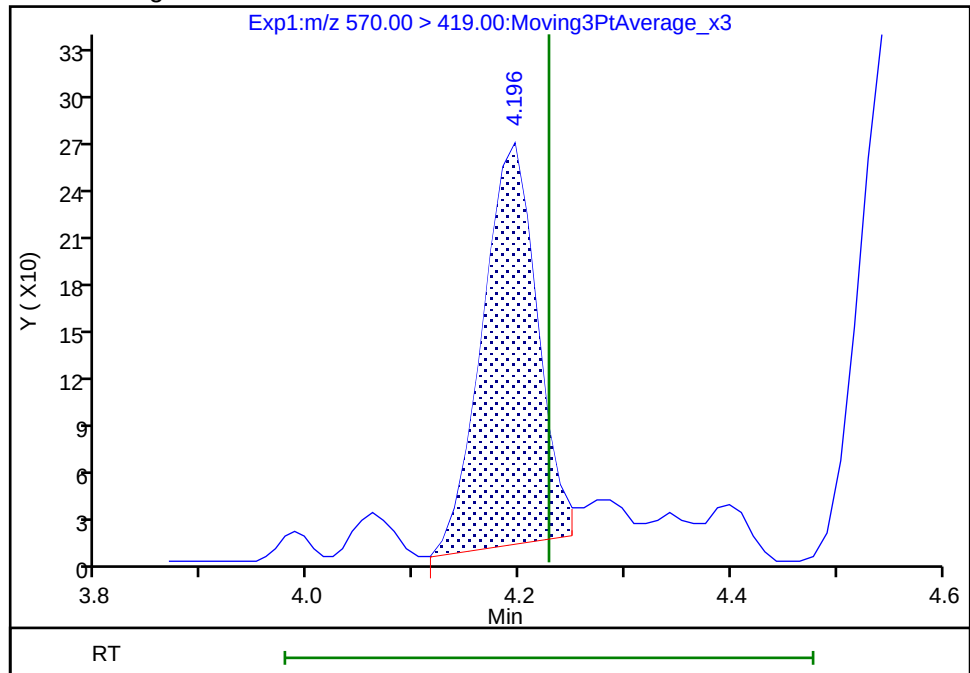
RT: 4.20
Area: 961
Amount: -0.008326
Amount Units: ng/ml

Processing Integration Results



RT: 4.20
Area: 913
Amount: -0.008491
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:00:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A11.d

Injection Date: 30-Nov-2022 10:38:21

Instrument ID: LC812

Lims ID: 460-269761-A-2-B

Lab Sample ID: 200-269761-2

Client ID: BCS-09-07_(0-5.5)P

Operator ID: lc812tech

ALS Bottle#:

8

Worklist Smp#: 11

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

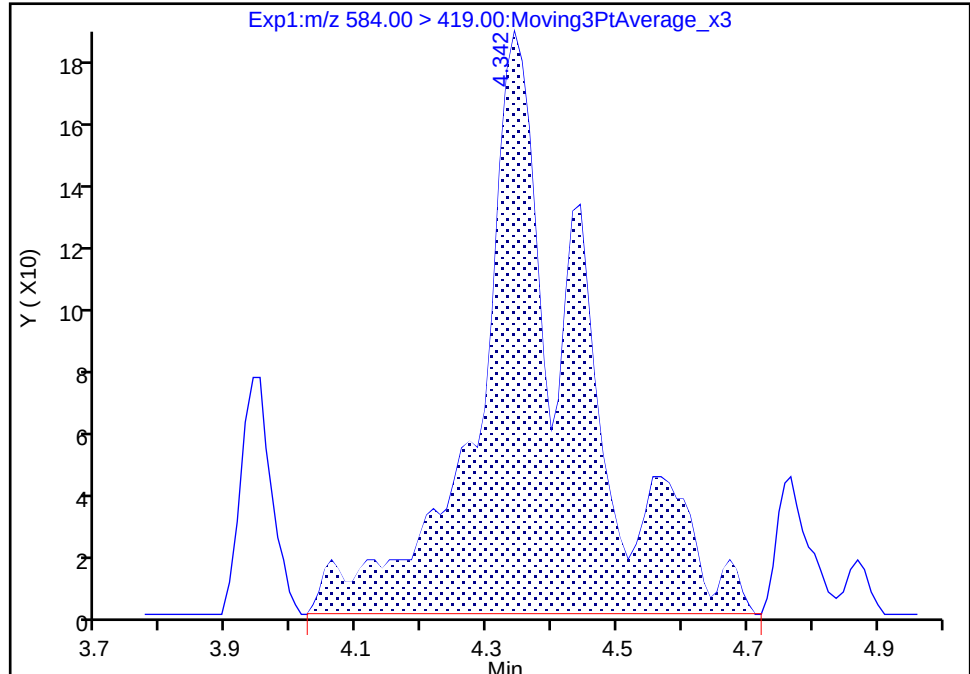
Detector: EXP1

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

Signal: 1

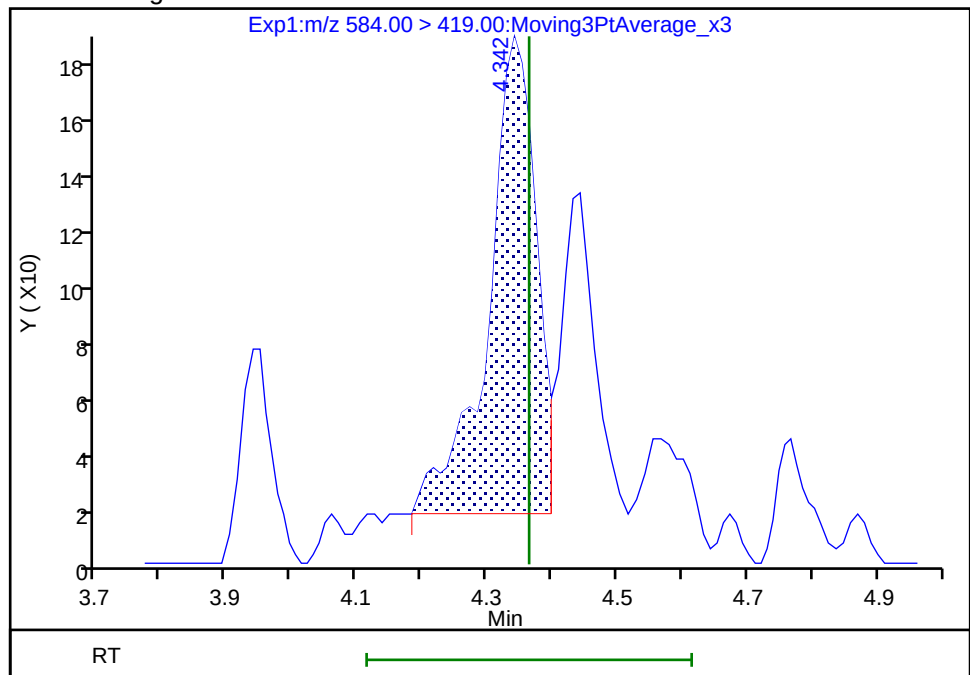
RT: 4.34
Area: 1964
Amount: 0.006267
Amount Units: ng/ml

Processing Integration Results



RT: 4.34
Area: 840
Amount: 0.002680
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:00:22

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

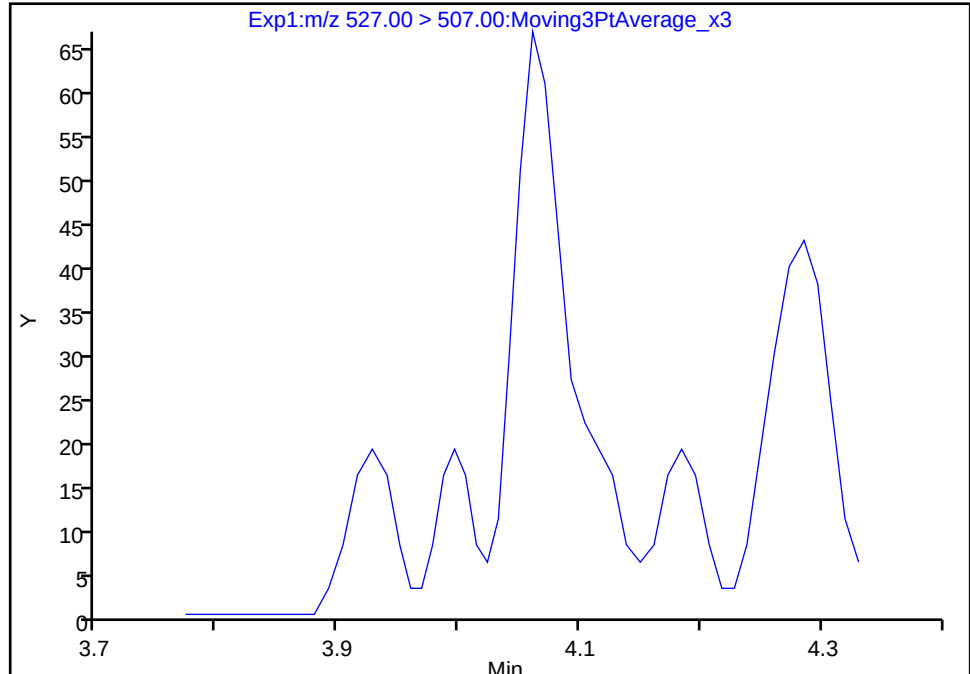
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A11.d		
Injection Date:	30-Nov-2022 10:38:21	Instrument ID:	LC812
Lims ID:	460-269761-A-2-B	Lab Sample ID:	200-269761-2
Client ID:	BCS-09-07_(0-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	11

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

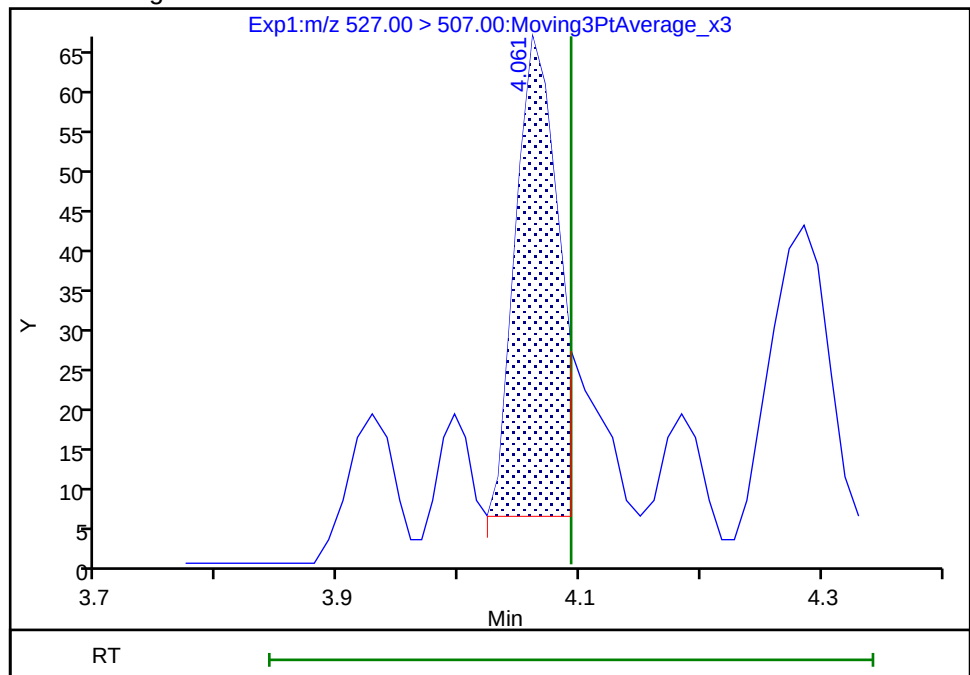
Signal: 1

Not Detected
Expected RT: 4.09

Processing Integration Results



Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:59:50

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

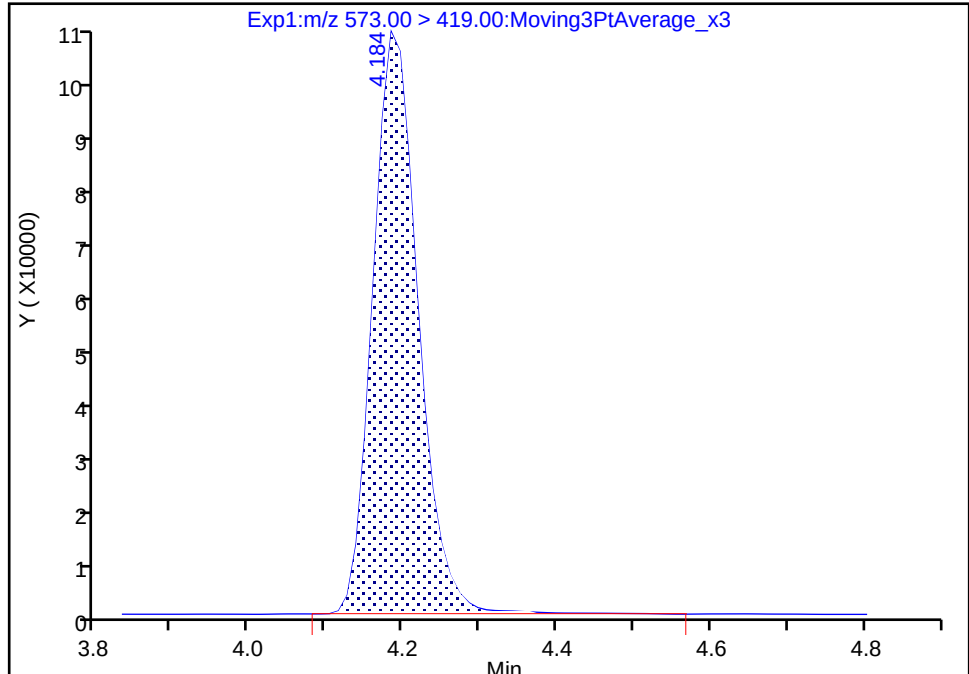
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A11.d				
Injection Date:	30-Nov-2022 10:38:21	Instrument ID:	LC812		
Lims ID:	460-269761-A-2-B	Lab Sample ID:	200-269761-2		
Client ID:	BCS-09-07_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

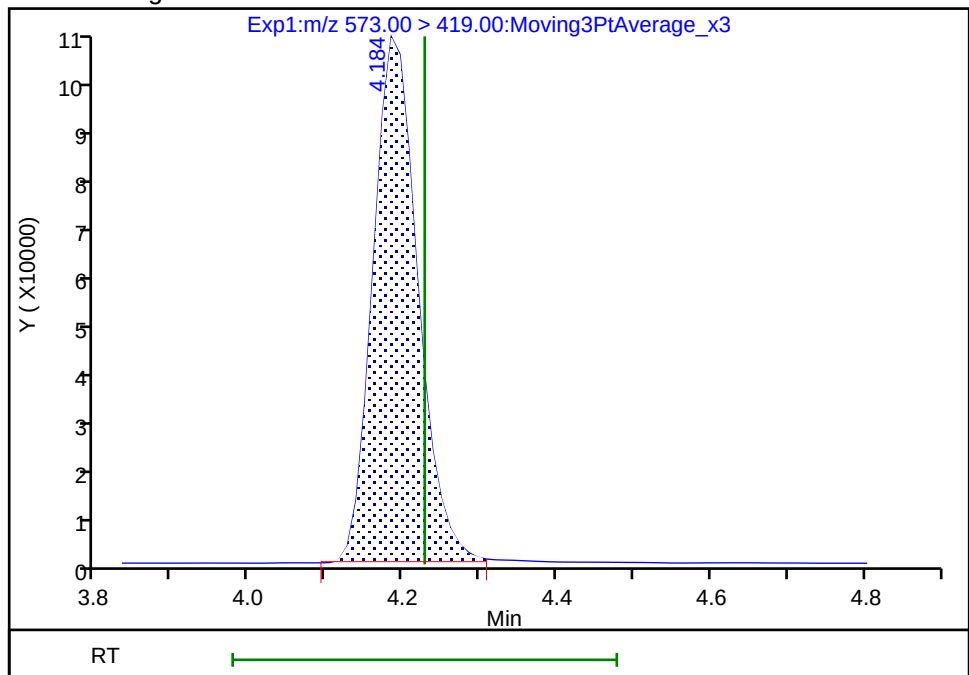
RT: 4.18
Area: 427512
Amount: 1.075587
Amount Units: ng/ml

Processing Integration Results



RT: 4.18
Area: 423005
Amount: 1.064247
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:57:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-269761-1

SDG No.: _____

Client Sample ID: BCS-09-08_(0-5.5)P Lab Sample ID: 460-269761-3

Matrix: Solid Lab File ID: PA221130A12.d

Analysis Method: 537 (modified) Date Collected: 11/17/2022 13:55

Extraction Method: SHAKE Date Extracted: 11/29/2022 10:30

Sample wt/vol: 5.31(g) Date Analyzed: 11/30/2022 10:46

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

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

% Moisture: 28.2 % Solids: 71.8 GPC Cleanup: (Y/N) N

Cleanup Factor: _____

Analysis Batch No.: 186193 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.66	U	0.66	0.43
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.26	U	0.26	0.072
307-24-4	Perfluorohexanoic acid (PFHxA)	0.066	J	0.26	0.060
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.26	U	0.26	0.051
335-67-1	Perfluorooctanoic acid (PFOA)	0.26	U	0.26	0.076
375-95-1	Perfluorononanoic acid (PFNA)	0.26	U	0.26	0.045
335-76-2	Perfluorodecanoic acid (PFDA)	0.26	U	0.26	0.037
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.26	U	0.26	0.035
307-55-1	Perfluorododecanoic acid (PFDoA)	0.26	U	0.26	0.033
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.26	U	0.26	0.033
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.26	U	0.26	0.034
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.26	U	0.26	0.043
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.26	U	0.26	0.054
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	0.025
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.26	U	0.26	0.045
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.62	U	2.62	0.14
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.62	U	2.62	0.11
27619-97-2	6:2 FTS	2.62	U	2.62	0.075
39108-34-4	8:2 FTS	2.62	U	2.62	0.049

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-269761-1
 SDG No.: _____
 Client Sample ID: BCS-09-08_(0-5.5)P Lab Sample ID: 460-269761-3
 Matrix: Solid Lab File ID: PA221130A12.d
 Analysis Method: 537 (modified) Date Collected: 11/17/2022 13:55
 Extraction Method: SHAKE Date Extracted: 11/29/2022 10:30
 Sample wt/vol: 5.31(g) Date Analyzed: 11/30/2022 10:46
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6 (mm)
 % Moisture: 28.2 % Solids: 71.8 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186193 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	90		50-150
STL01892	13C4 PFHpA	90		50-150
STL00990	13C4 PFOA	89		50-150
STL00991	13C4 PFOS	90		50-150
STL00995	13C5 PFNA	97		50-150
STL00992	13C4 PFBA	77		50-150
STL00993	13C2 PFHxA	92		50-150
STL00996	13C2 PFDA	99		50-150
STL00997	13C2 PFUnA	98		50-150
STL00998	13C2 PFDoA	90		50-150
STL01056	13C8 FOSA	92		50-150
STL01893	13C5 PFPeA	85		50-150
STL02116	13C2 PFTeDA	87		50-150
STL02118	d3-NMeFOSAA	89		50-150
STL02117	d5-NEtFOSAA	93		50-150
STL02279	M2-6:2 FTS	100		50-150
STL02280	M2-8:2 FTS	94		50-150
STL02337	13C3 PFBS	89		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A12.d
 Lims ID: 460-269761-A-3-B
 Client ID: BCS-09-08_(0-5.5)P
 Sample Type: Client
 Inject. Date: 30-Nov-2022 10:46:31 ALS Bottle#: 9 Worklist Smp#: 12
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 460-269761-A-3-B
 Misc. Info.: 200-0053485-012 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 01-Dec-2022 09:50:22 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: CTX1681

First Level Reviewer: khanphomeea

Date: 01-Dec-2022 11:14:47

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	0.607	2036013	0.9675		77.4	8659	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.093	2.076	0.017	1.000	84583	0.0504		6.2		M
D 3 13C5 PFPeA										
267.90 > 223.00	2.386	2.387	-0.001	0.692	1704193	1.06		85.1	2488	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.386	2.387	-0.001	1.000	23321	0.0157		0.5		M
D 47 13C3 PFBS										
301.90 > 80.00	2.400	2.400	0.0	0.696	1801045	1.03		89.0	204870	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.413	2.400	0.013	1.006	2397	0.001352	Target=2.09	1.9		M
298.90 > 99.00	2.413	2.400	0.013	1.006	1816		1.32(1.04-3.13)	0.6		
D 7 13C2 PFHxA										
315.00 > 270.00	2.725	2.725	0.0	0.790	1930911	1.15		92.0	4151	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.737	2.725	0.012	1.004	42209	0.0251	Target=14.25	5.3		M
313.00 > 119.00	2.725	2.725	0.0	1.000	3052		13.83(7.12-21.37)	4.3		M
D 11 18O2 PFHxS										
403.00 > 84.00	3.088	3.088	0.0	0.896	1345798	1.06		89.7	3071	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.099	3.088	0.011	1.004	5789	0.004507	Target=3.66	9.0		
399.00 > 99.00	3.110	3.088	0.022	1.007	2009		2.88(1.83-5.49)	2.0		M
D 9 13C4 PFHpA										
367.00 > 322.00	3.088	3.099	-0.011	0.896	1948171	1.13		90.2	3641	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.099	3.099	0.0	1.004	12972	0.007644	Target=3.97	2.0		M
363.00 > 169.00	3.099	3.099	0.0	1.004	3190		4.07(1.98-5.95)	7.2		

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 12 M2-6:2 FTS										
429.00 > 81.00	3.430	3.439	-0.009	0.995	251983	1.18		99.8	421	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.439	3.439	0.0	1.003	17253	0.0266			15.5	
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.430	3.439	-0.009	0.914	1023	0.000944	Target=5.14	1.6		M
449.00 > 99.00	3.421	3.439	-0.018	0.911	197		5.19(2.57-7.72)	0.8		M
D 14 13C4 PFOA										
417.00 > 372.00	3.447	3.448	-0.001	1.000	2165325	1.12		89.2	6007	
* 62 13C2 PFOA										
415.00 > 370.00	3.447	3.448	-0.001		2345041	1.25			7528	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.447	3.448	-0.001	1.000	38079	0.0206	Target=2.79	2.0		M
413.00 > 169.00	3.447	3.448	-0.001	1.000	9411		4.05(1.40-4.19)	12.8		M
D 18 13C4 PFOS										
503.00 > 80.00	3.754	3.764	-0.010	1.089	927061	1.08		90.1	2643	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.754	3.764	-0.010	1.000	10872	0.0115	Target=5.11	5.2		RM
499.00 > 99.00	3.607	3.764	-0.157	0.961	6381		1.70(2.55-7.66)	5.1		RM
D 19 13C5 PFNA										
468.00 > 423.00	3.773	3.783	-0.010	1.095	2277251	1.21		96.5	5813	
D 23 13C2 PFDA										
515.00 > 470.00	4.071	4.081	-0.010	1.181	2381112	1.24		99.1	9172	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.081	4.093	-0.012	1.184	293429	1.13		94.2	633	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.093	4.093	0.0	1.003	561	0.001416			7.0	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.138	4.150	-0.012	1.000	1444	0.000948			4.2	M
D 21 13C8 FOSA										
506.00 > 78.00	4.138	4.150	-0.012	1.200	1822314	1.16		92.5	3905	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.217	4.228	-0.011	1.223	435896	1.11		89.1	2043	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.217	4.228	-0.011	1.000	513	-0.0099			2.4	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.319	4.331	-0.012	1.151	2147	0.003818	Target=2.51	9.8		M
599.00 > 99.00	4.331	4.331	0.0	1.154	710		3.02(1.25-3.76)	3.6		M
D 30 13C2 PFUnA										
565.00 > 520.00	4.342	4.353	-0.011	1.259	2159534	1.23		98.1	5512	
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.365	4.365	0.0	1.003	1698	0.005299			16.2	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.353	4.365	-0.012	1.263	447383	1.16		92.8	963	
D 36 13C2 PFDaA										
615.00 > 570.00	4.580	4.591	-0.011	1.328	2019297	1.13		90.1	3087	

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

42 Perfluorotetradecanoic acid										RM
713.00 > 169.00	4.996	5.012	-0.016	1.002	492	0.002658	Target=0.89		6.8	RM
713.00 > 219.00	4.986	5.012	-0.026	1.000	307		1.60(0.44-1.33)		4.8	M

D 43 13C2 PFTeDA

715.00 > 670.00	4.986	5.012	-0.026	1.446	1690331	1.09		87.2	5298	

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A12.d

Injection Date: 30-Nov-2022 10:46:31

Instrument ID: LC812

Lims ID: 460-269761-A-3-B

Lab Sample ID: 200-269761-3

Client ID: BCS-09-08_(0-5.5)P

Operator ID: lc812tech

ALS Bottle#: 9

Worklist Smp#: 12

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

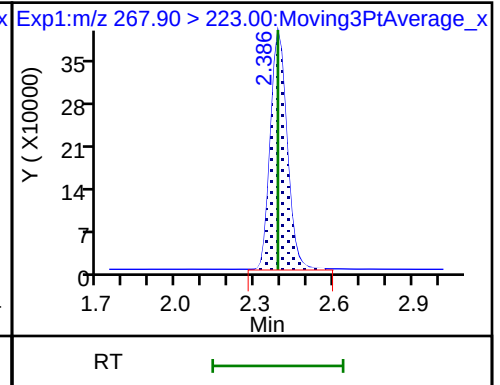
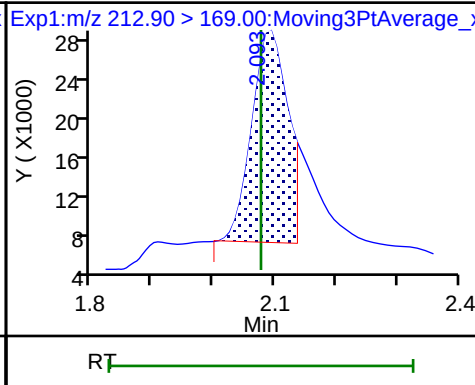
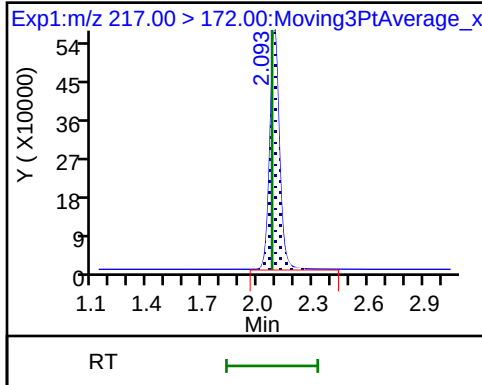
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

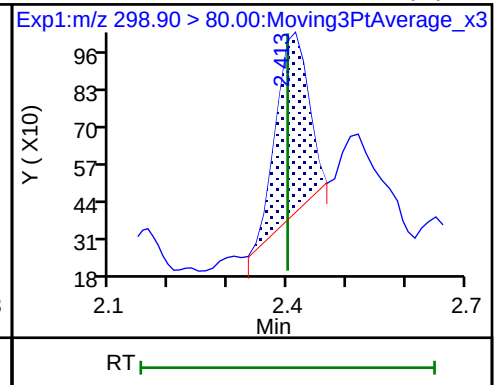
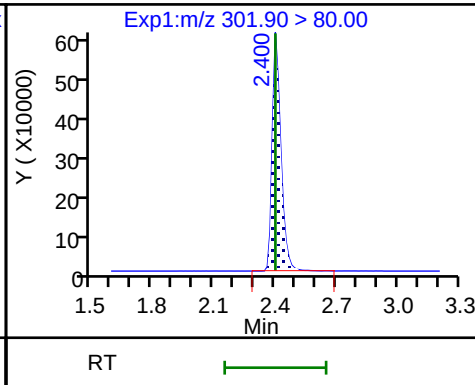
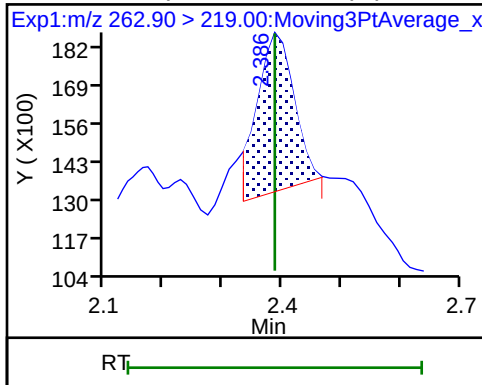
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS

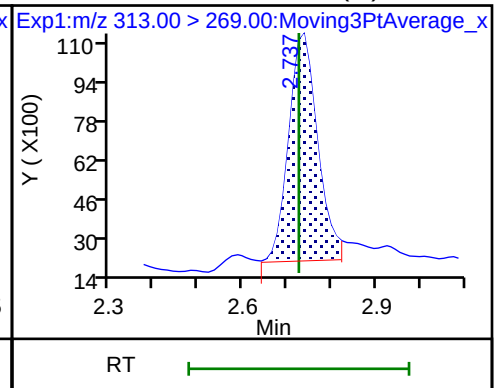
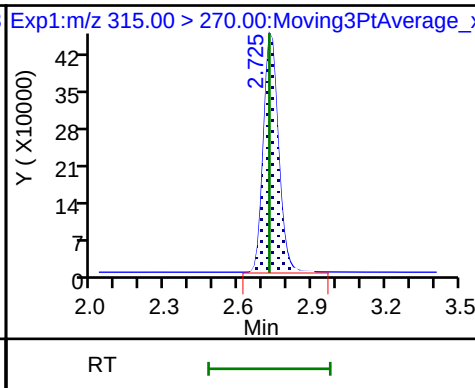
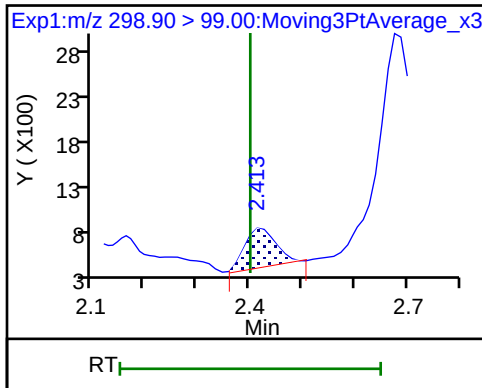
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid

D 7 13C2 PFHxA

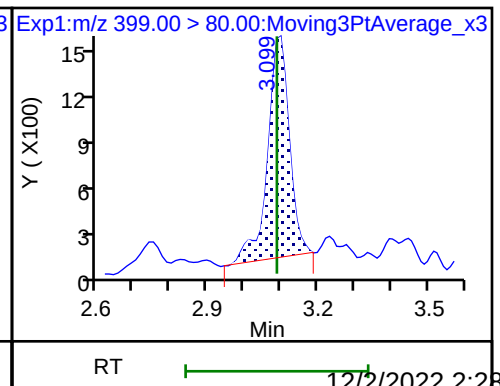
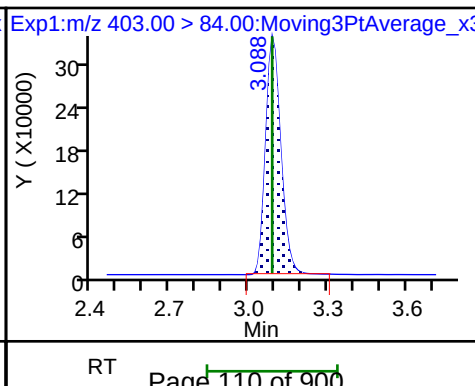
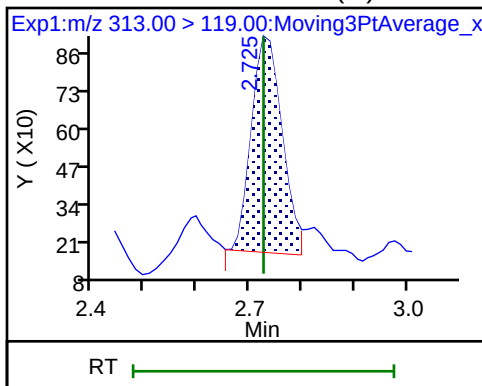
6 Perfluorohexanoic acid (M)

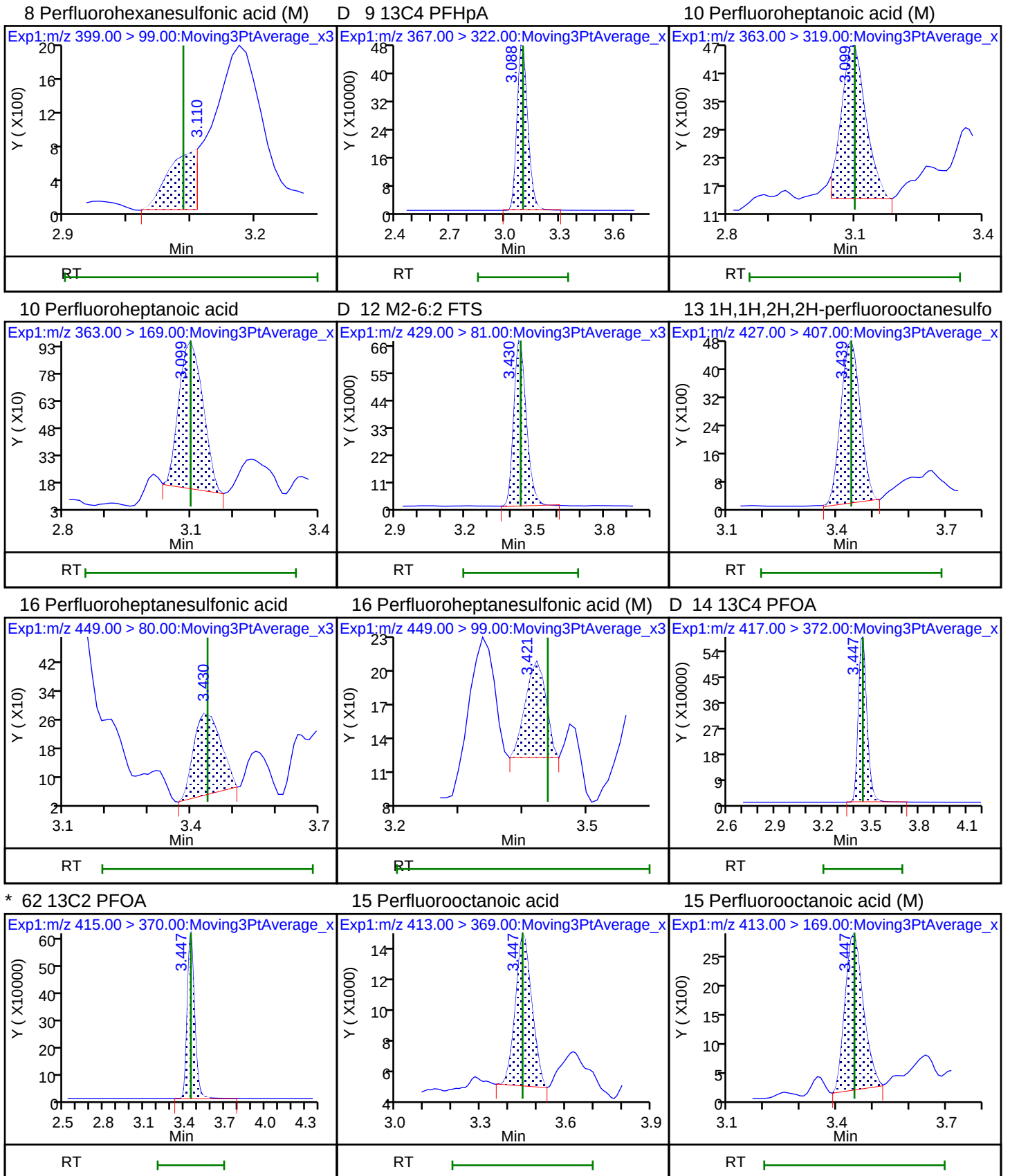


6 Perfluorohexanoic acid (M)

D 11 18O2 PFHxS

8 Perfluorohexanesulfonic acid

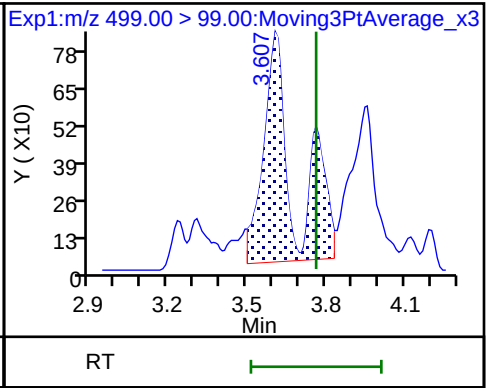
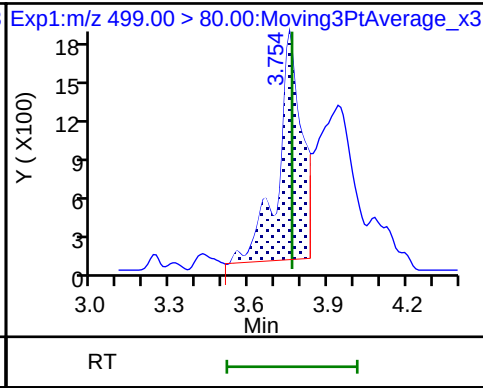
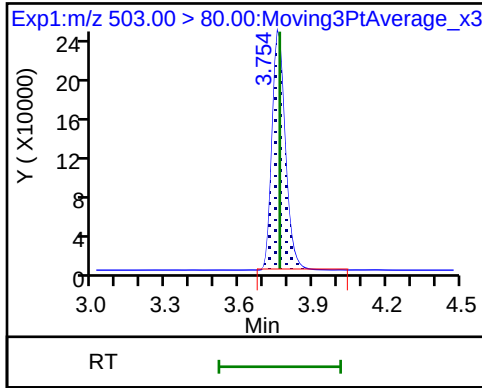




D 18 13C4 PFOS

17 Perfluorooctanesulfonic acid (M)

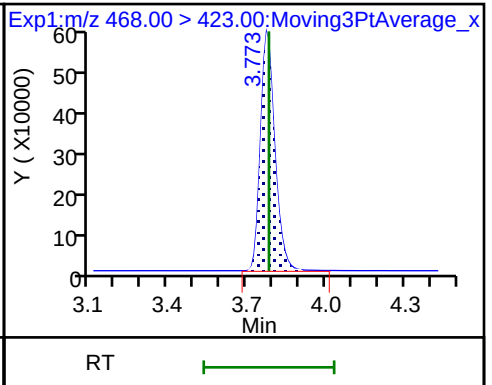
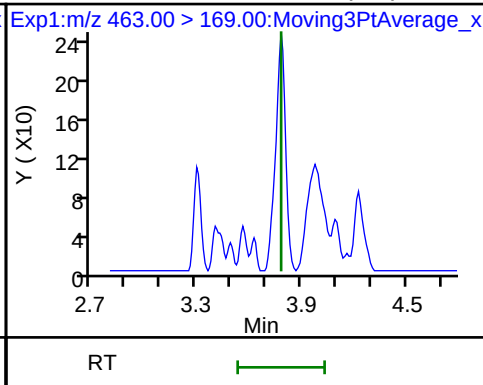
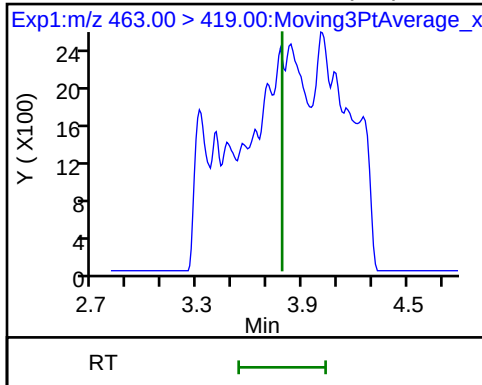
17 Perfluorooctanesulfonic acid (M)



20 Perfluorononanoic acid (ND)

20 Perfluorononanoic acid (ND)

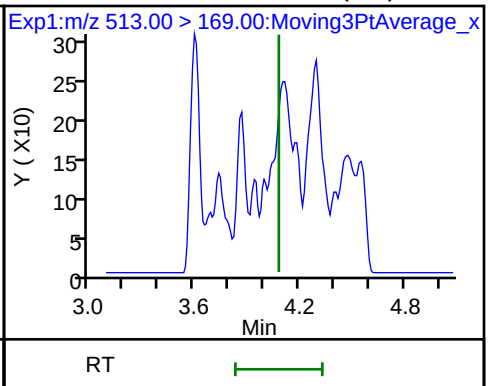
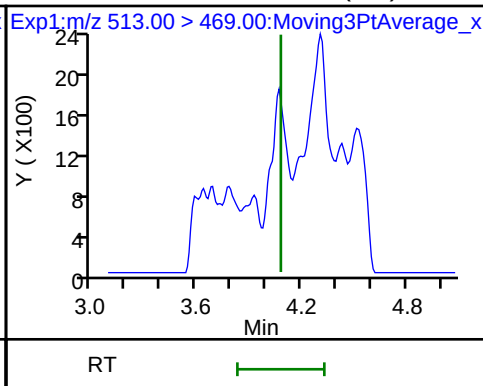
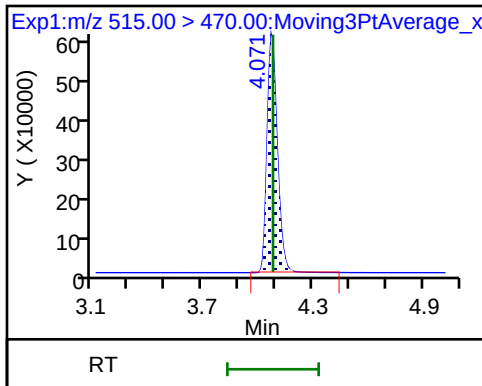
D 19 13C5 PFNA



D 23 13C2 PFDA

24 Perfluorodecanoic acid (ND)

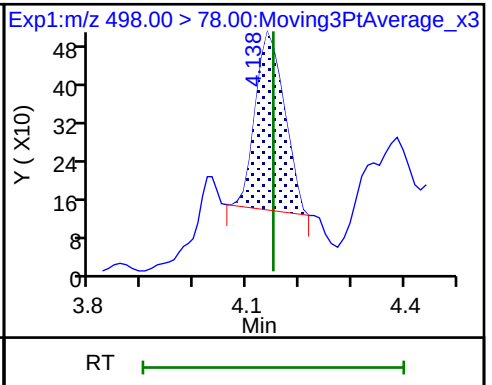
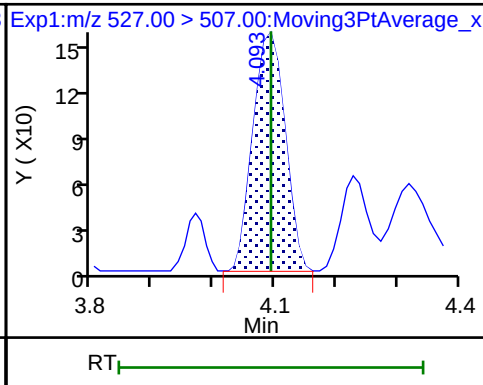
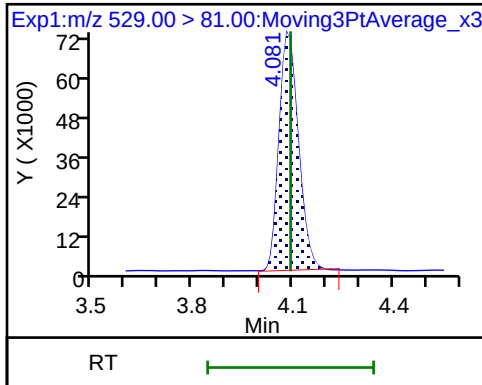
24 Perfluorodecanoic acid (ND)



D 26 M2-8:2 FTS

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

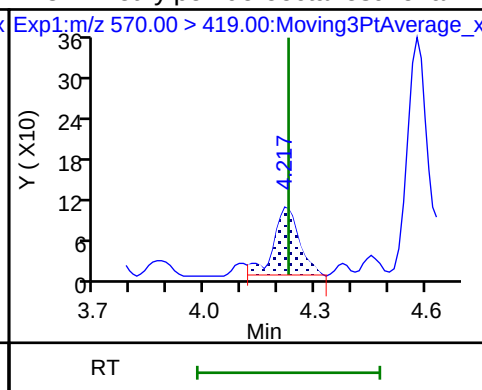
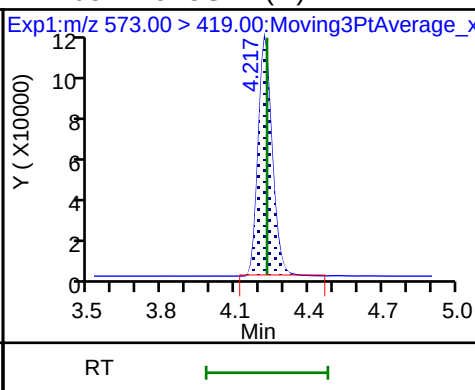
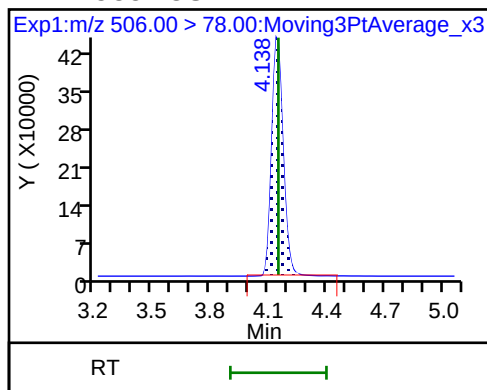
22 Perfluorooctanesulfonamide (M)



D 21 13C8 FOSA

D 27 d3-NMeFOSAA (M)

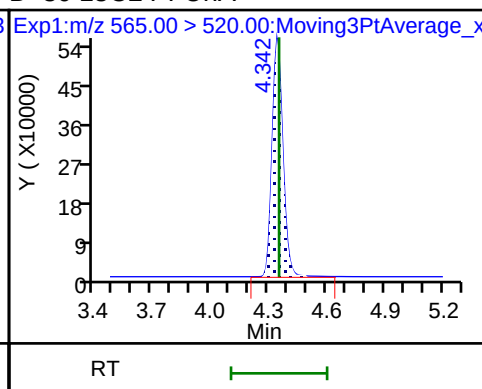
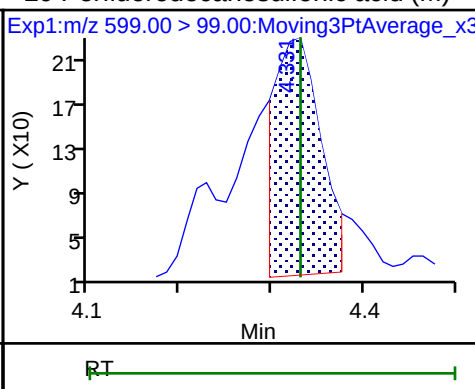
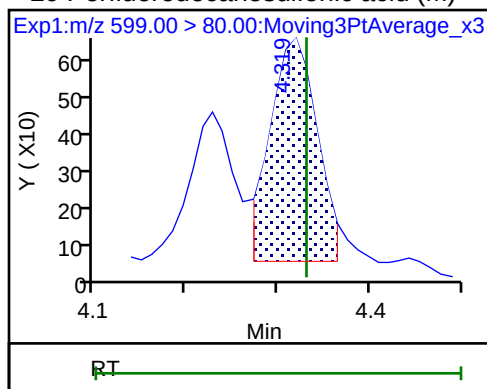
28 N-methylperfluorooctanesulfonami (M)



29 Perfluorodecanesulfonic acid (M)

29 Perfluorodecanesulfonic acid (M)

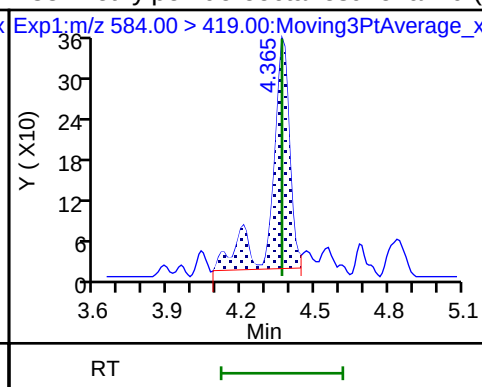
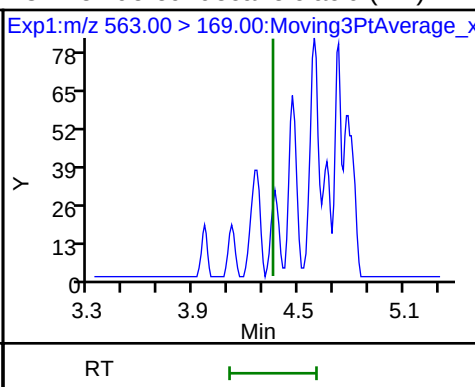
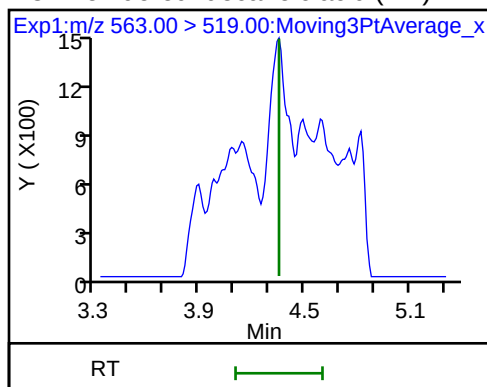
D 30 13C2 PFUnA



31 Perfluoroundecanoic acid (ND)

31 Perfluoroundecanoic acid (ND)

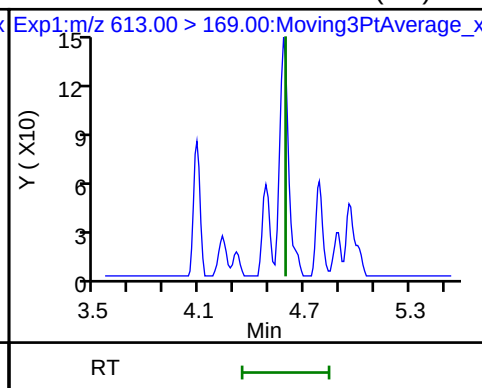
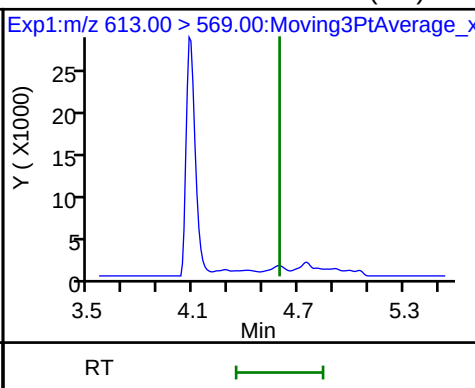
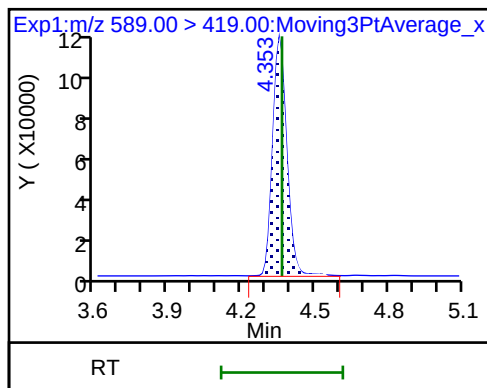
33 N-ethylperfluorooctanesulfonamid (M)



D 32 d5-NEtFOSAA

37 Perfluorododecanoic acid (ND)

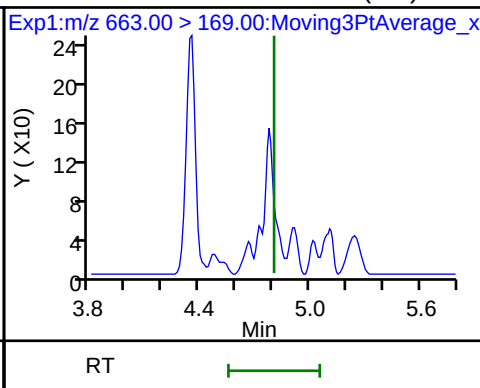
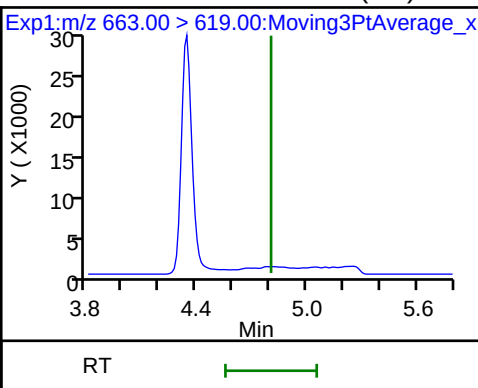
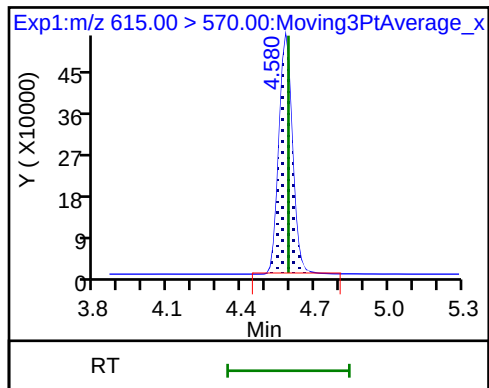
37 Perfluorododecanoic acid (ND)



D 36 13C2 PFDaA

41 Perfluorotridecanoic acid (ND)

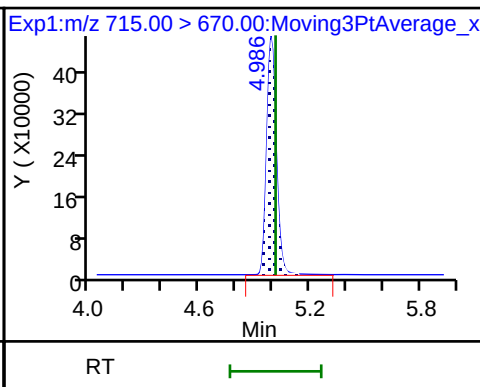
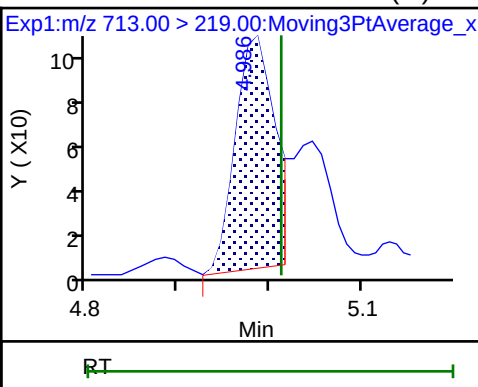
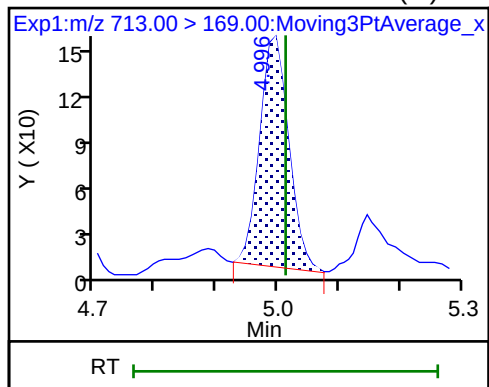
41 Perfluorotridecanoic acid (ND)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

D 43 13C2 PFTeDA



Eurofins Burlington

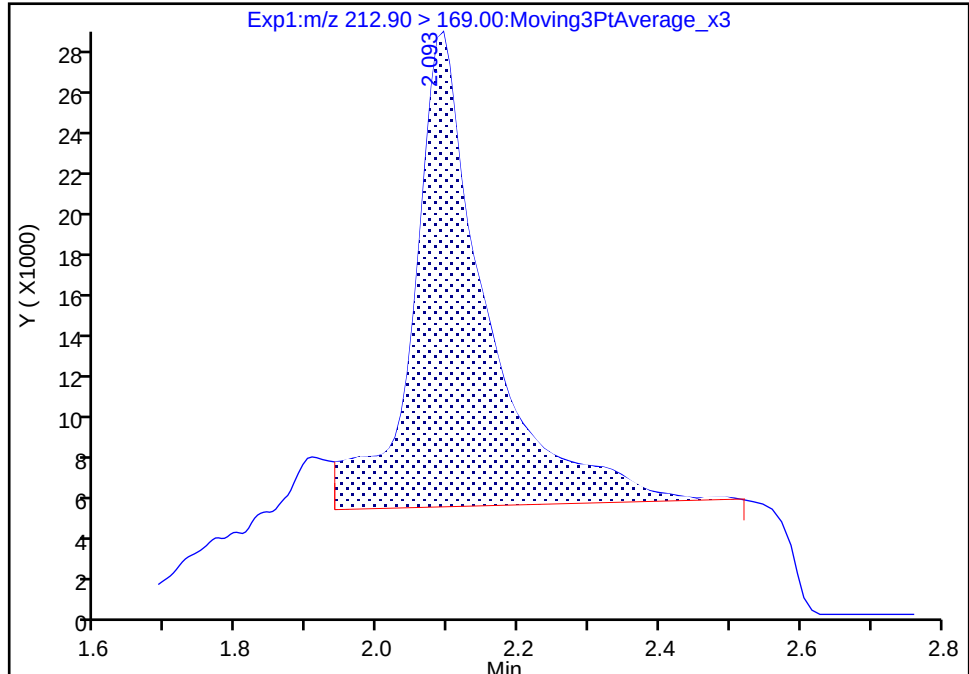
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Injection Date:	30-Nov-2022 10:46:31	Instrument ID:	LC812		
Lims ID:	460-269761-A-3-B	Lab Sample ID:	200-269761-3		
Client ID:	BCS-09-08_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

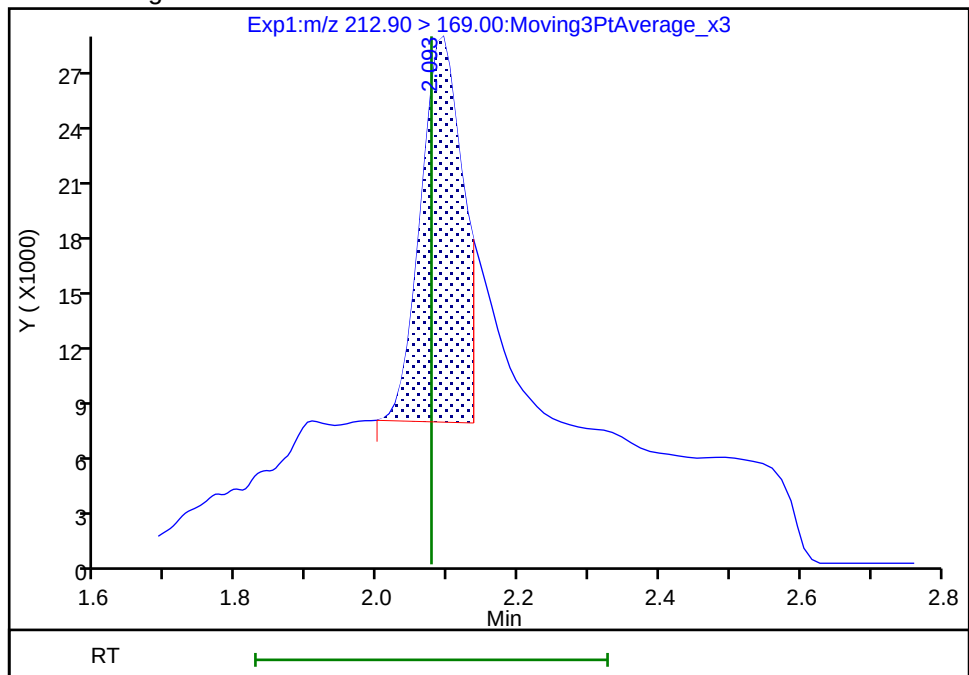
RT: 2.09
Area: 168316
Amount: 0.100211
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 84583
Amount: 0.050358
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:11:30

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

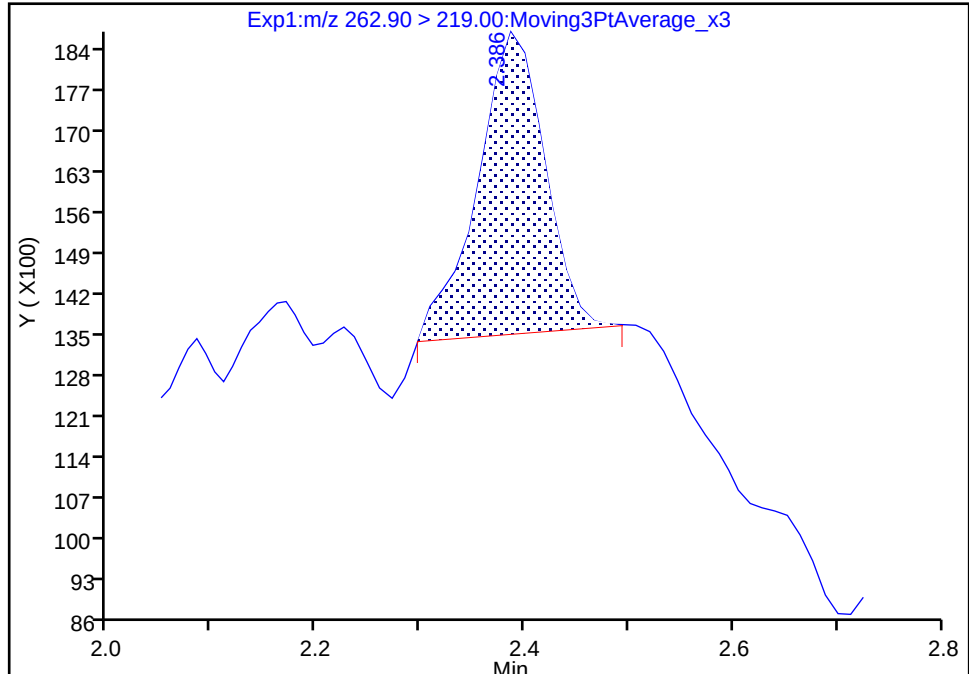
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A12.d
Injection Date: 30-Nov-2022 10:46:31 Instrument ID: LC812
Lims ID: 460-269761-A-3-B Lab Sample ID: 200-269761-3
Client ID: BCS-09-08_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. 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

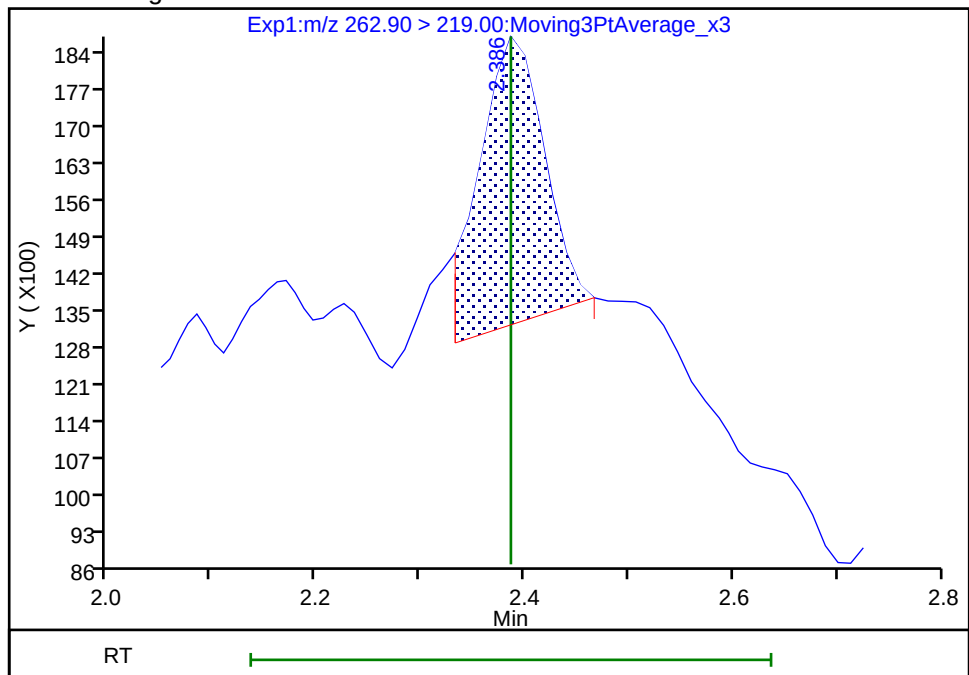
RT: 2.39
Area: 23137
Amount: 0.015572
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 23321
Amount: 0.015696
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:11:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

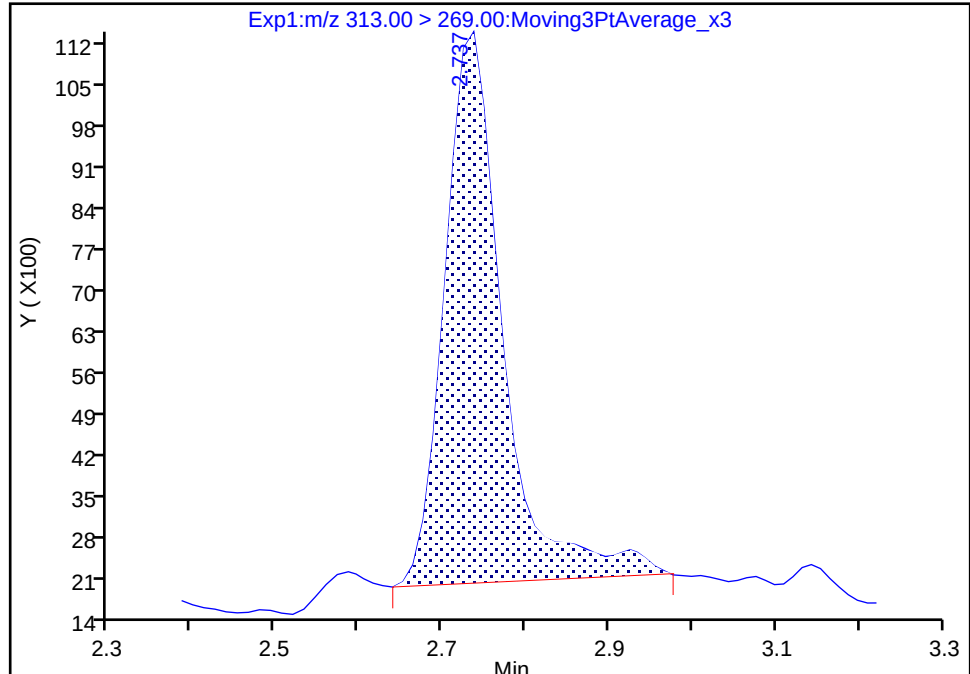
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A12.d				
Injection Date:	30-Nov-2022 10:46:31	Instrument ID:	LC812		
Lims ID:	460-269761-A-3-B	Lab Sample ID:	200-269761-3		
Client ID:	BCS-09-08_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	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

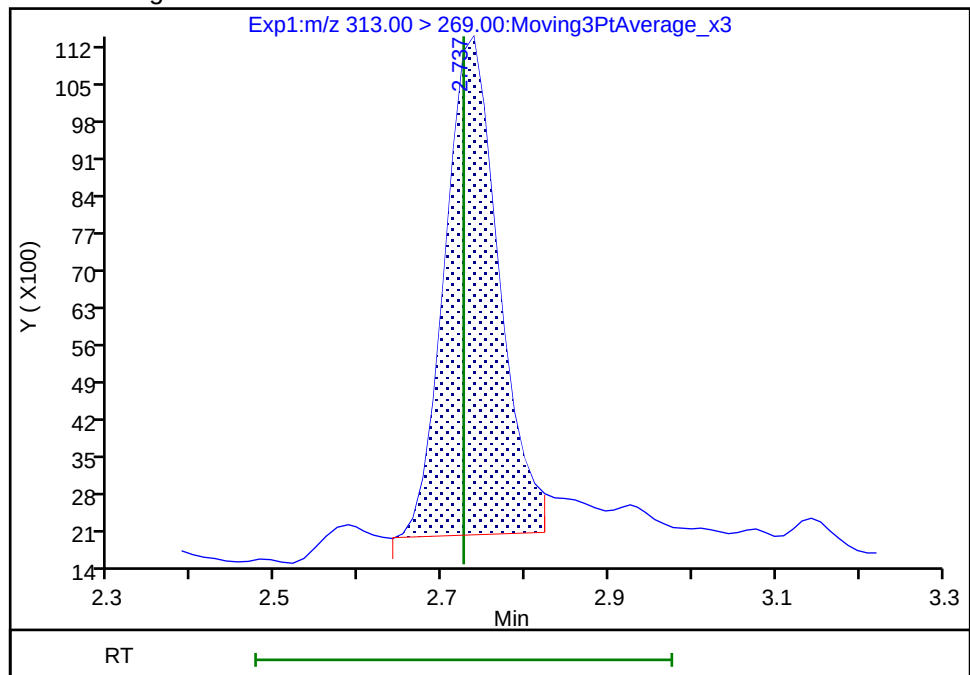
RT: 2.74
Area: 46077
Amount: 0.027375
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 42209
Amount: 0.025077
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:12:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

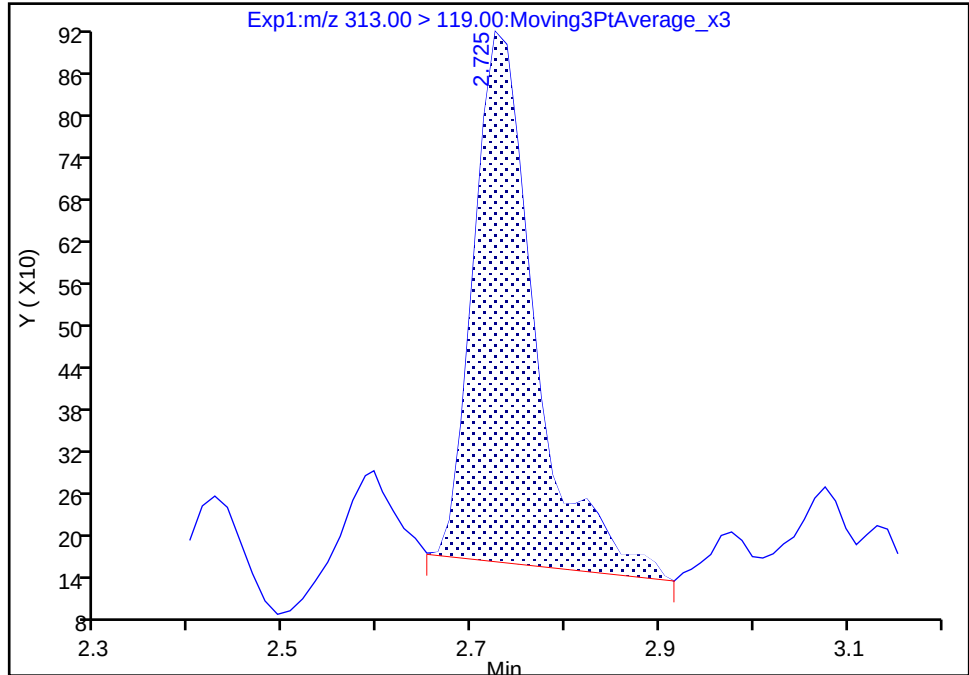
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A12.d
Injection Date: 30-Nov-2022 10:46:31 Instrument ID: LC812
Lims ID: 460-269761-A-3-B Lab Sample ID: 200-269761-3
Client ID: BCS-09-08_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. 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

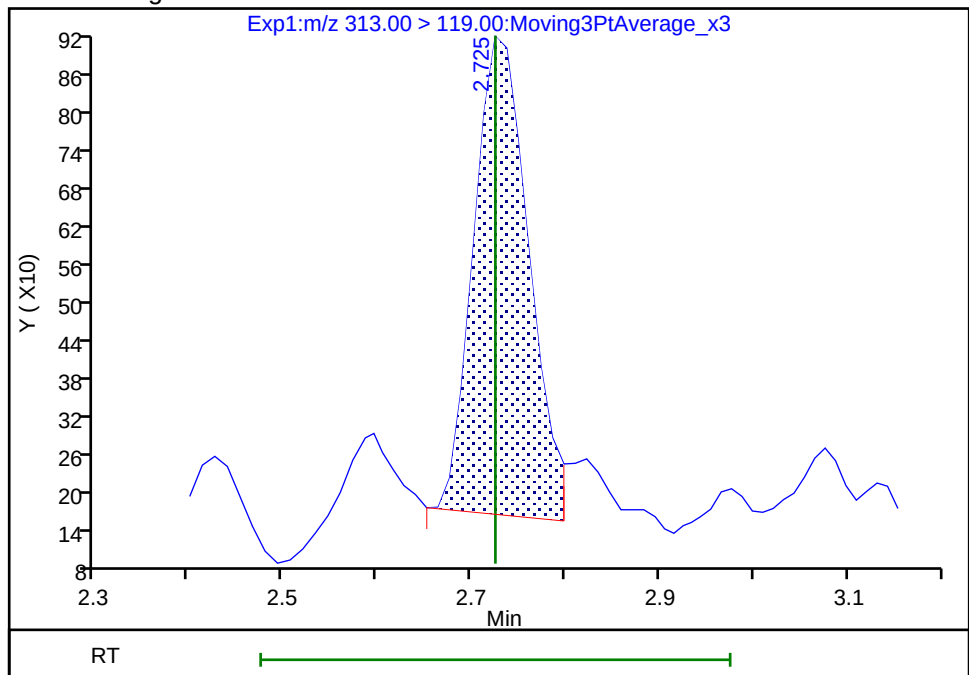
RT: 2.73
Area: 3415
Amount: 0.027375
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 3052
Amount: 0.025077
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:12:03

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

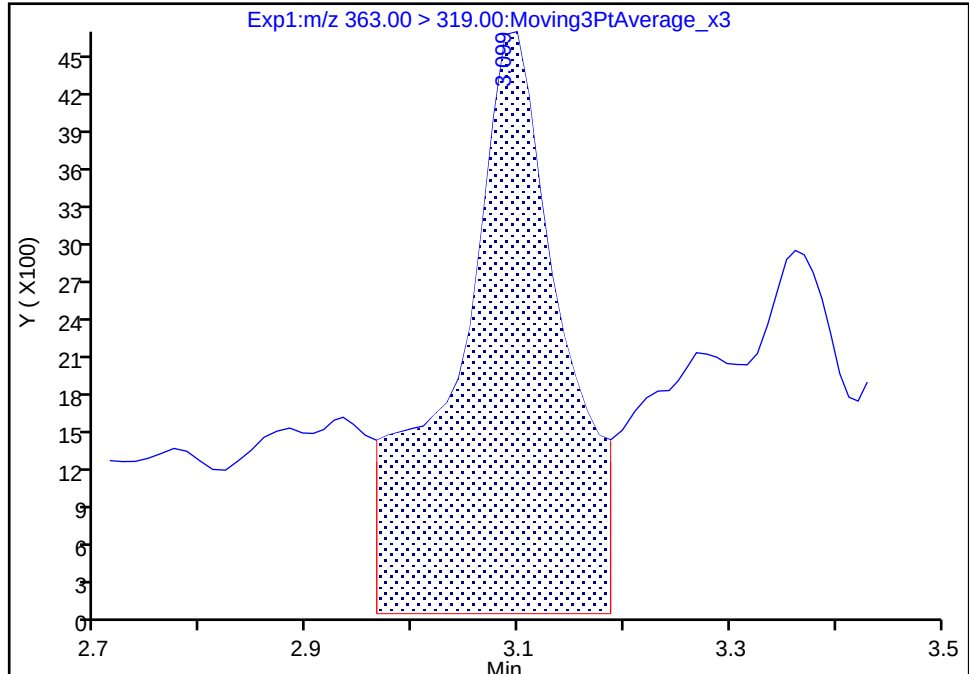
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A12.d				
Injection Date:	30-Nov-2022 10:46:31	Instrument ID:	LC812		
Lims ID:	460-269761-A-3-B	Lab Sample ID:	200-269761-3		
Client ID:	BCS-09-08_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

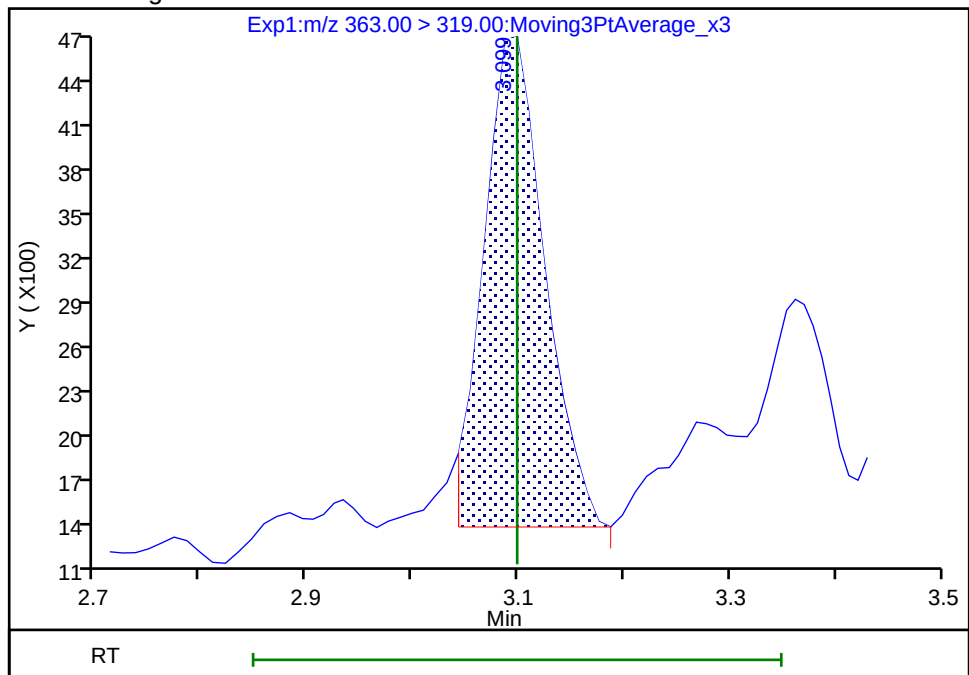
RT: 3.10
Area: 32103
Amount: 0.018919
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 12972
Amount: 0.007644
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:12:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

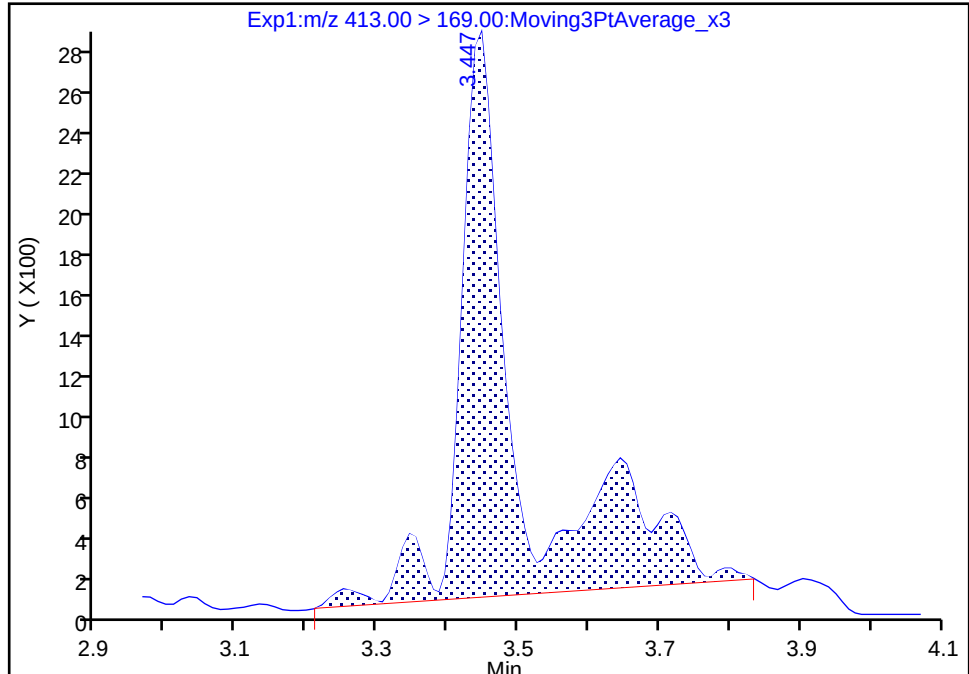
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A12.d
Injection Date: 30-Nov-2022 10:46:31 Instrument ID: LC812
Lims ID: 460-269761-A-3-B Lab Sample ID: 200-269761-3
Client ID: BCS-09-08_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. 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

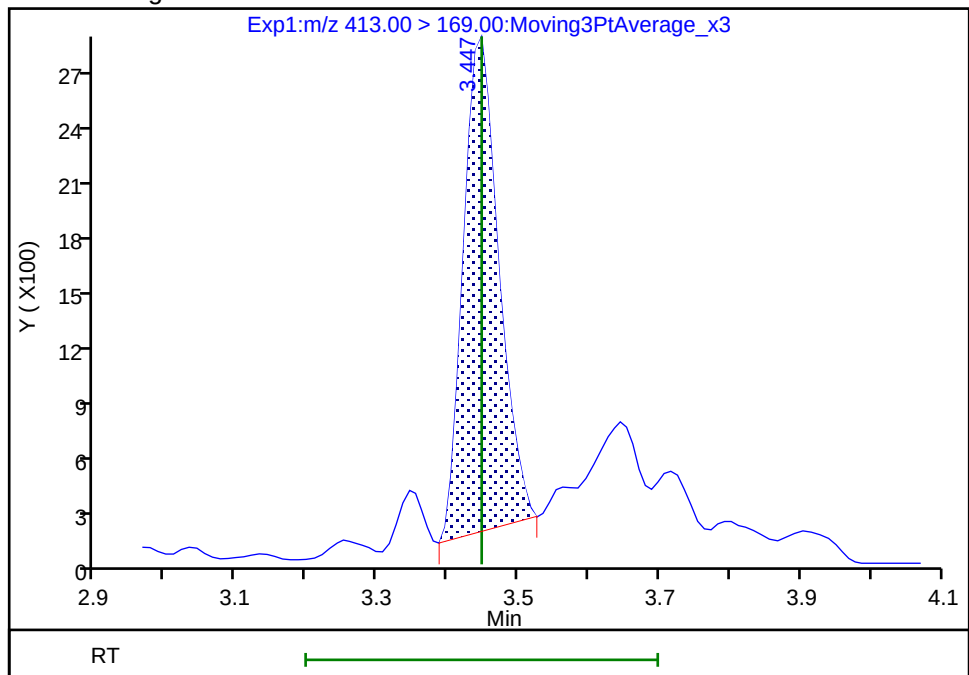
RT: 3.45
Area: 16269
Amount: 0.020563
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 9411
Amount: 0.020563
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:12:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

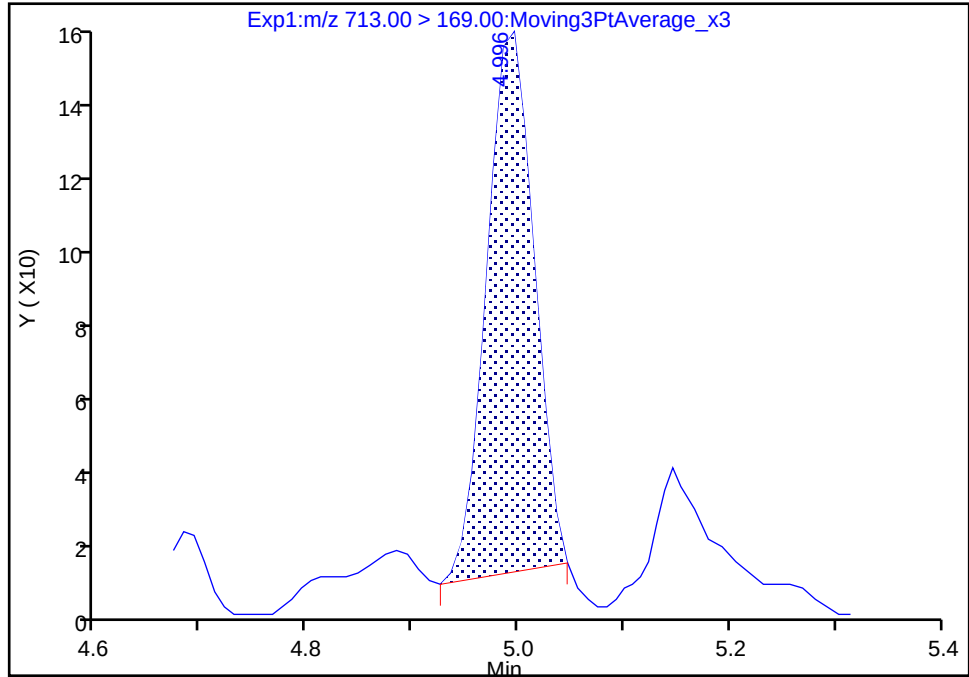
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A12.d				
Injection Date:	30-Nov-2022 10:46:31	Instrument ID:	LC812		
Lims ID:	460-269761-A-3-B	Lab Sample ID:	200-269761-3		
Client ID:	BCS-09-08_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

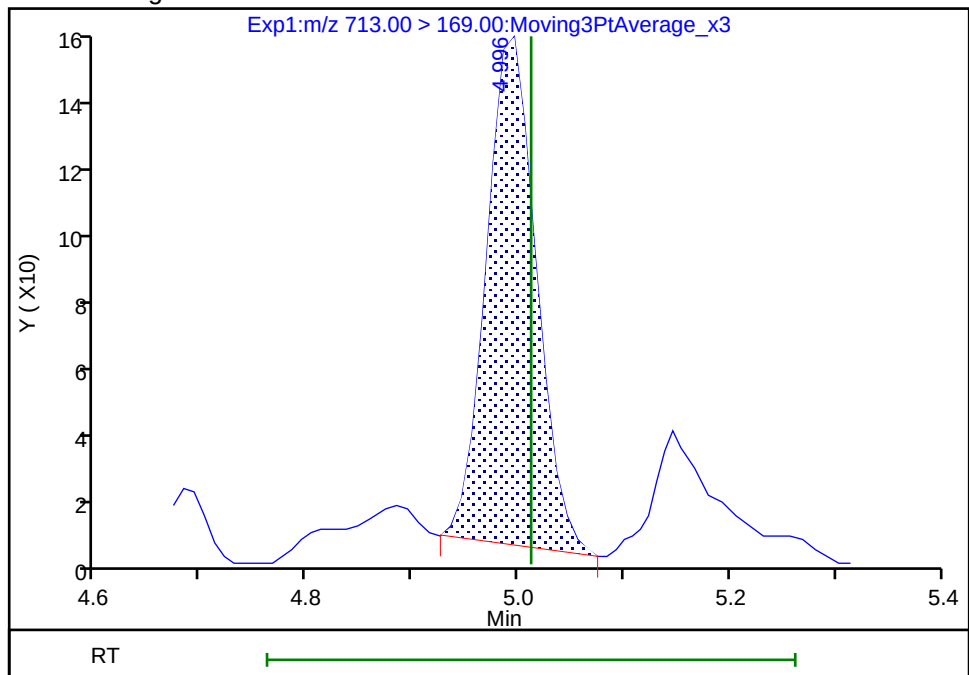
RT: 5.00
Area: 446
Amount: 0.002409
Amount Units: ng/ml

Processing Integration Results



RT: 5.00
Area: 492
Amount: 0.002658
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:14:41

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

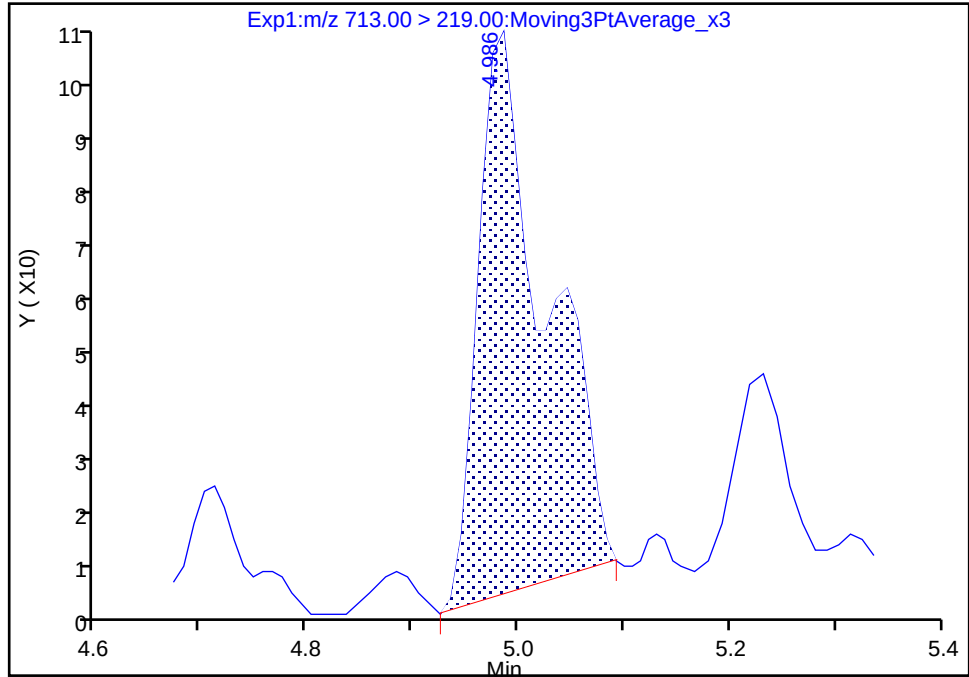
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A12.d
Injection Date: 30-Nov-2022 10:46:31 Instrument ID: LC812
Lims ID: 460-269761-A-3-B Lab Sample ID: 200-269761-3
Client ID: BCS-09-08_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

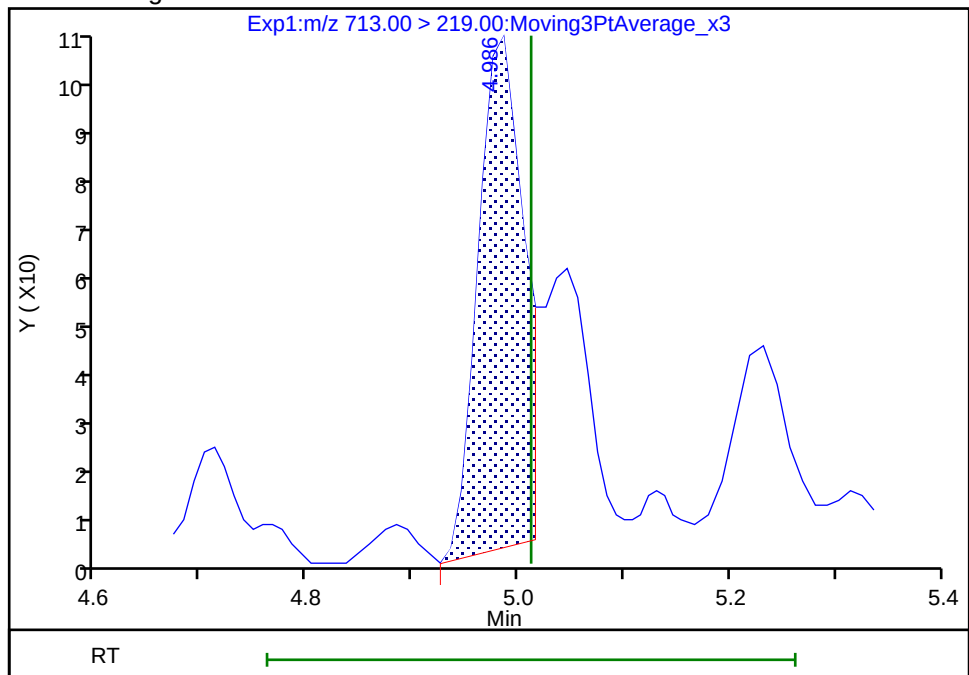
RT: 4.99
Area: 468
Amount: 0.002409
Amount Units: ng/ml

Processing Integration Results



RT: 4.99
Area: 307
Amount: 0.002658
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:14:44

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

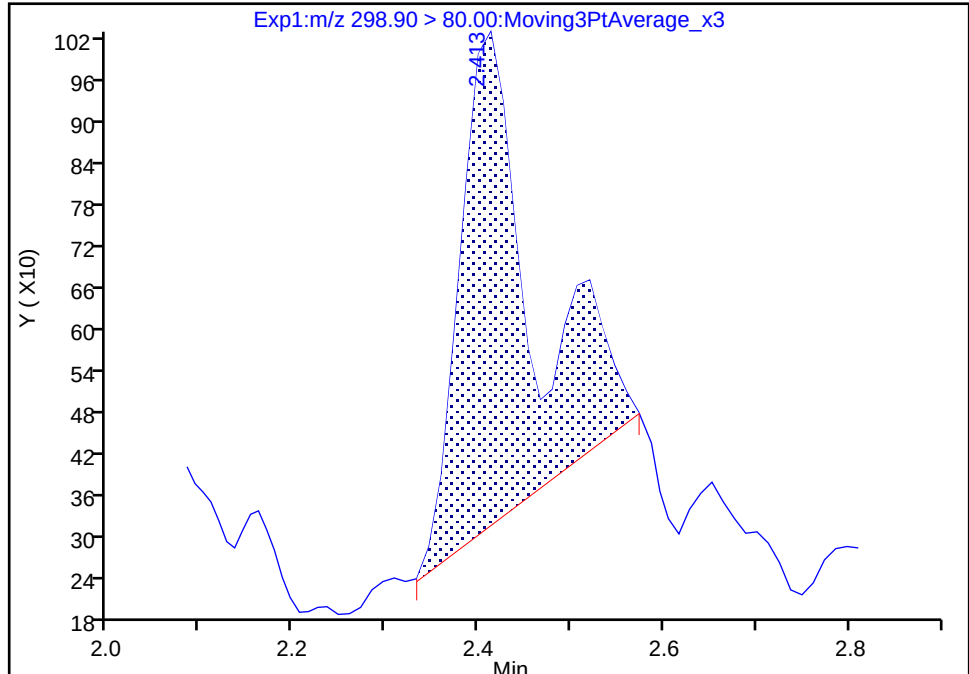
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A12.d
Injection Date: 30-Nov-2022 10:46:31 Instrument ID: LC812
Lims ID: 460-269761-A-3-B Lab Sample ID: 200-269761-3
Client ID: BCS-09-08_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

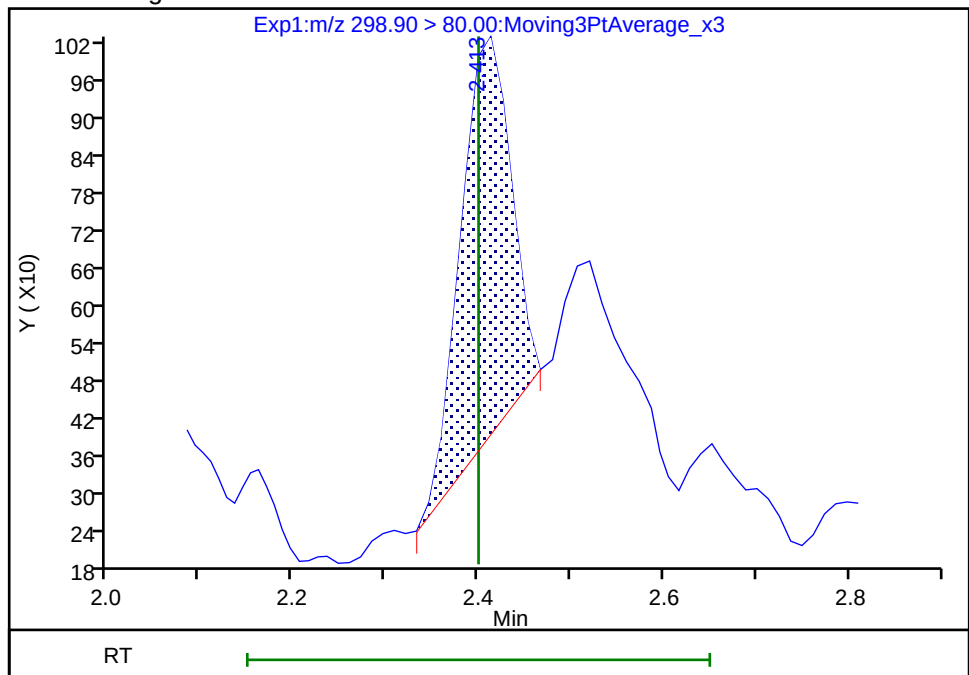
RT: 2.41
Area: 3869
Amount: 0.002183
Amount Units: ng/ml

Processing Integration Results



RT: 2.41
Area: 2397
Amount: 0.001352
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:11:55

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A12.d

Injection Date: 30-Nov-2022 10:46:31

Instrument ID: LC812

Lims ID: 460-269761-A-3-B

Lab Sample ID: 200-269761-3

Client ID: BCS-09-08_(0-5.5)P

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)

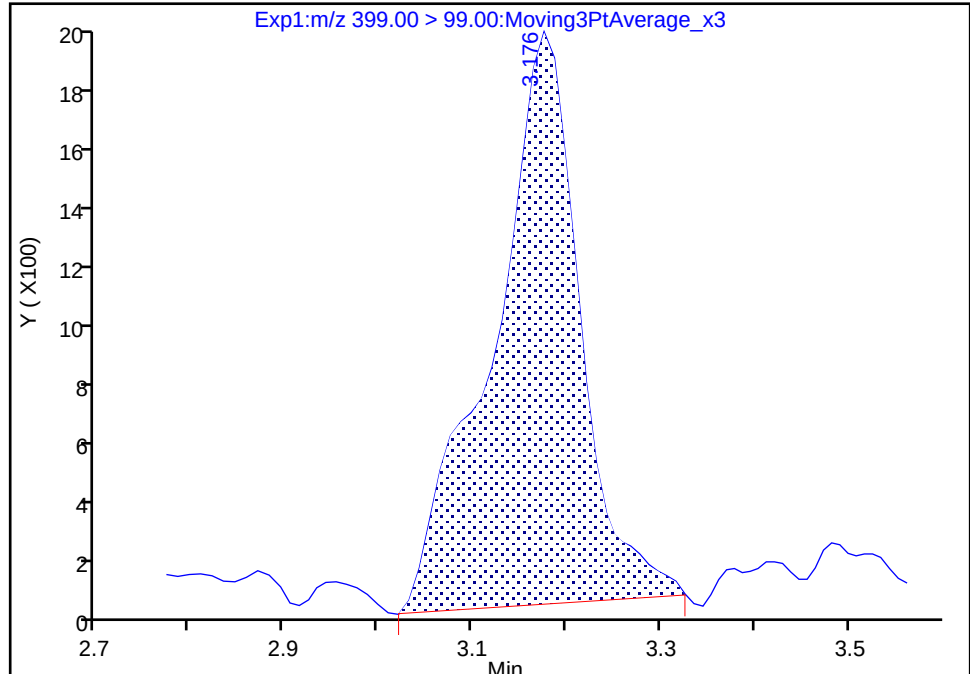
Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

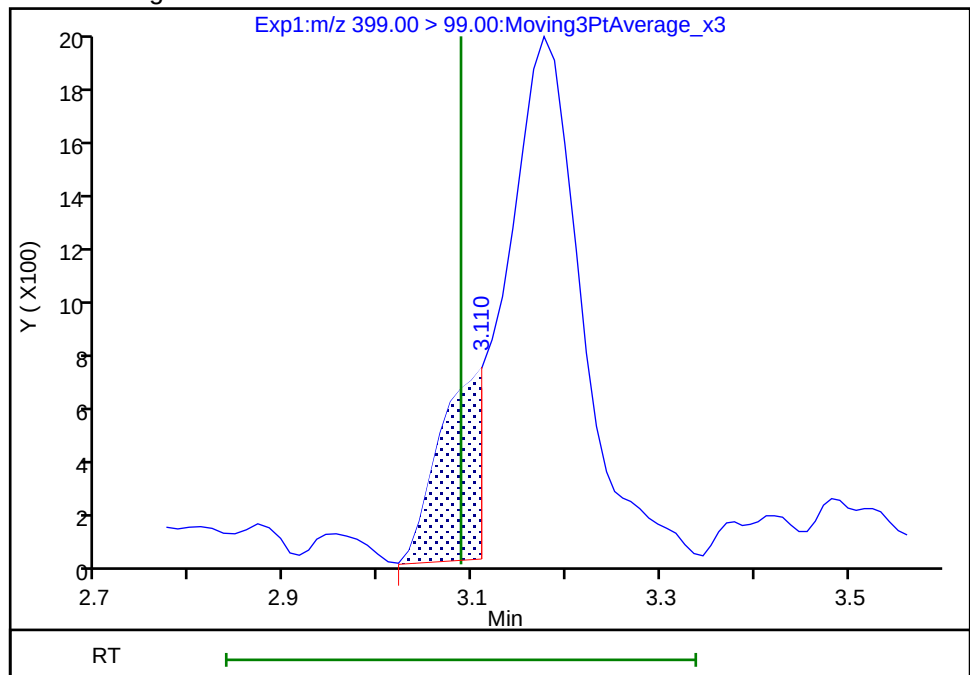
RT: 3.18
Area: 11652
Amount: 0.004507
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 2009
Amount: 0.004507
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:12:09

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

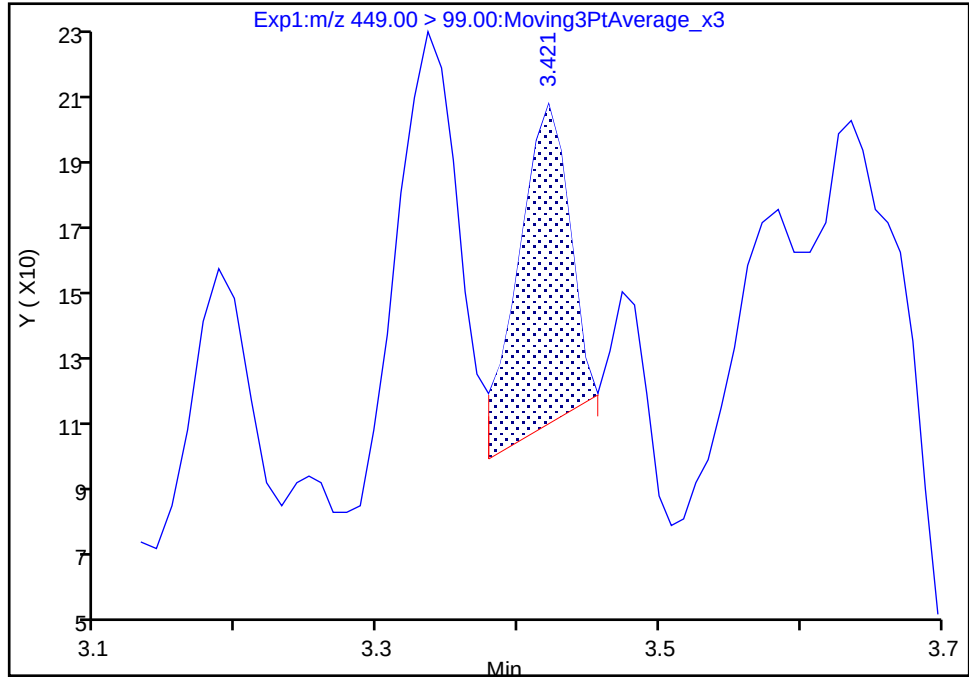
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A12.d				
Injection Date:	30-Nov-2022 10:46:31	Instrument ID:	LC812		
Lims ID:	460-269761-A-3-B	Lab Sample ID:	200-269761-3		
Client ID:	BCS-09-08_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	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

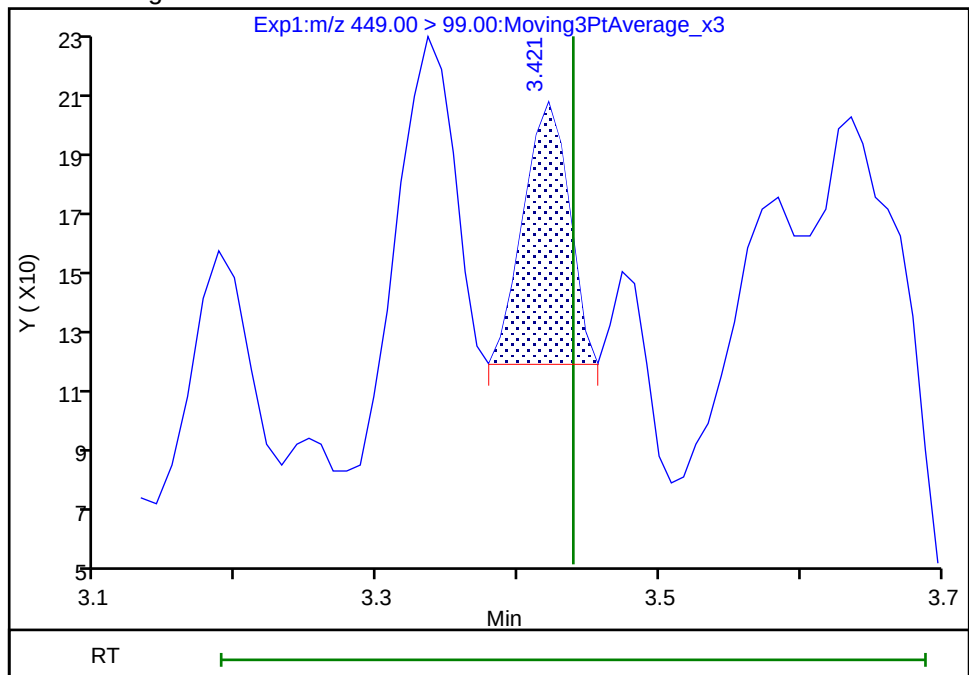
RT: 3.42
Area: 244
Amount: 0.000944
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 197
Amount: 0.000944
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:12:28

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

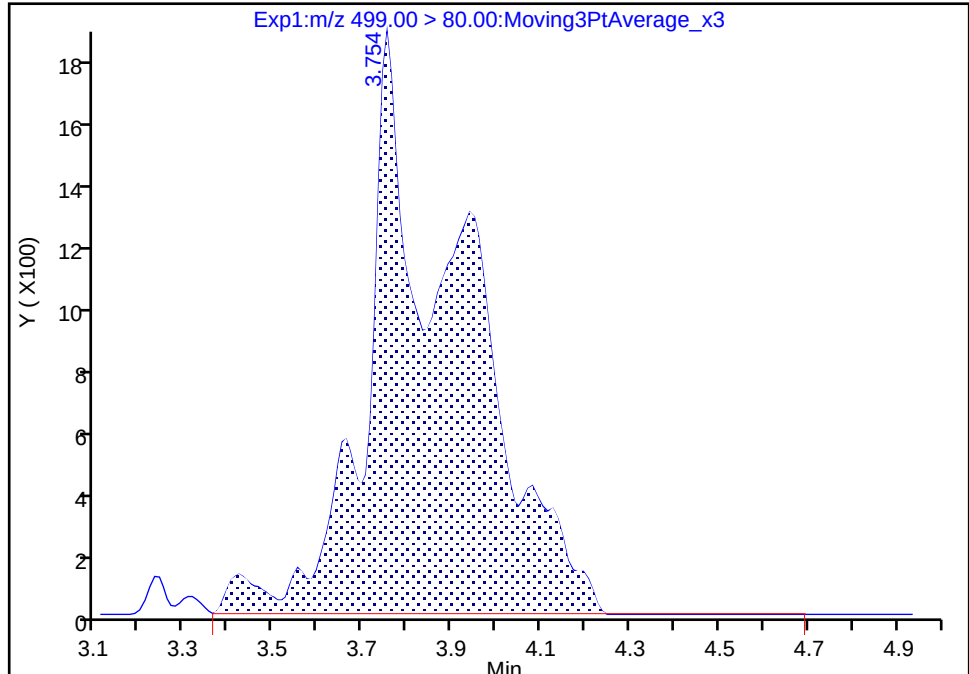
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A12.d				
Injection Date:	30-Nov-2022 10:46:31	Instrument ID:	LC812		
Lims ID:	460-269761-A-3-B	Lab Sample ID:	200-269761-3		
Client ID:	BCS-09-08_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	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

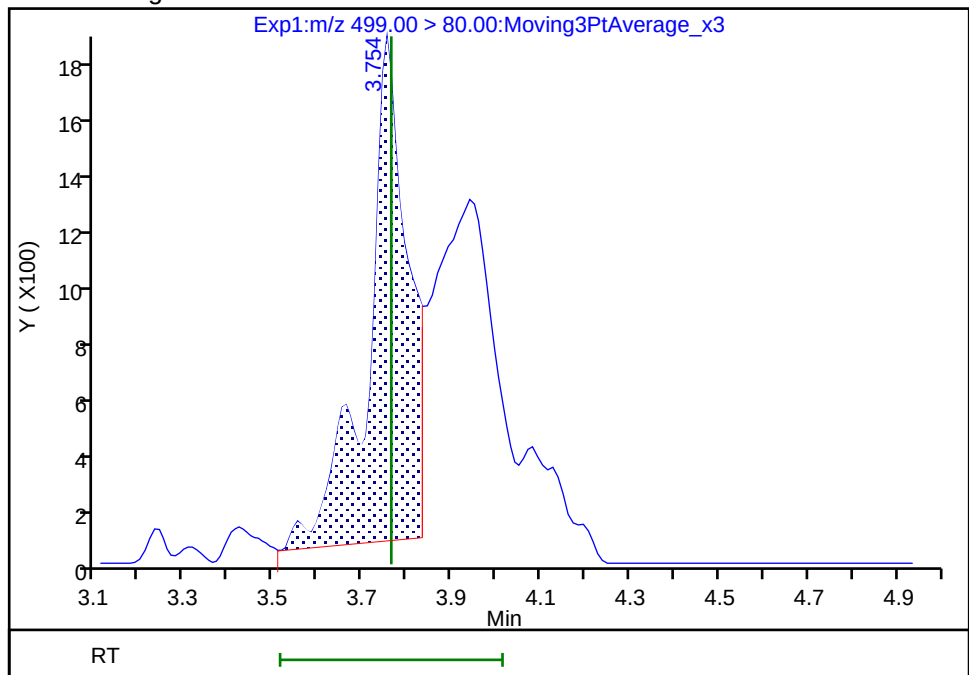
RT: 3.75
Area: 27467
Amount: 0.029113
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 10872
Amount: 0.011524
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:12:54

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

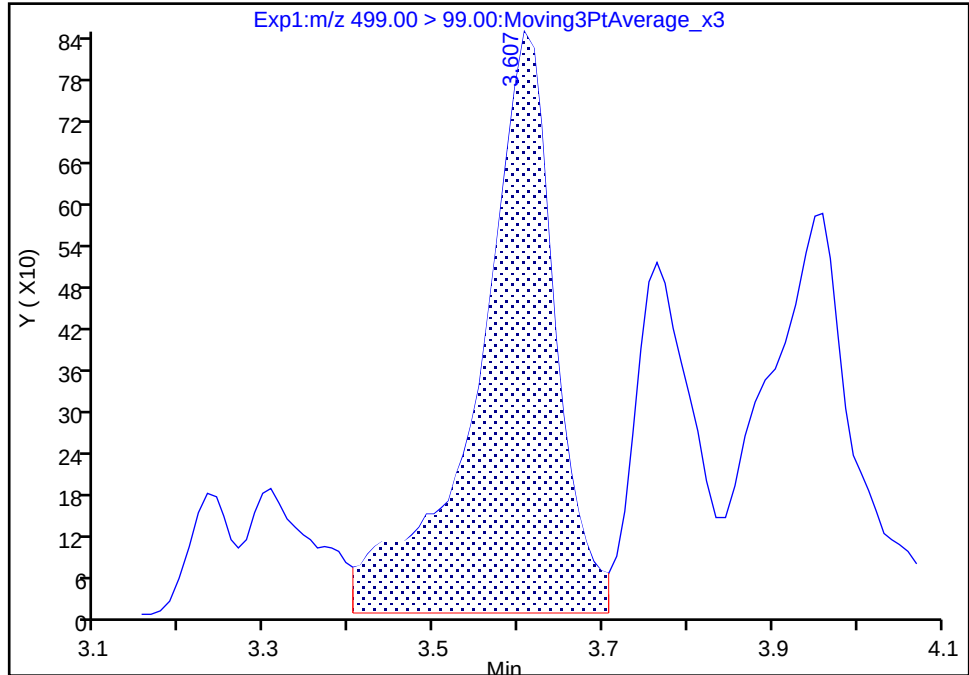
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A12.d
Injection Date: 30-Nov-2022 10:46:31 Instrument ID: LC812
Lims ID: 460-269761-A-3-B Lab Sample ID: 200-269761-3
Client ID: BCS-09-08_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. 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

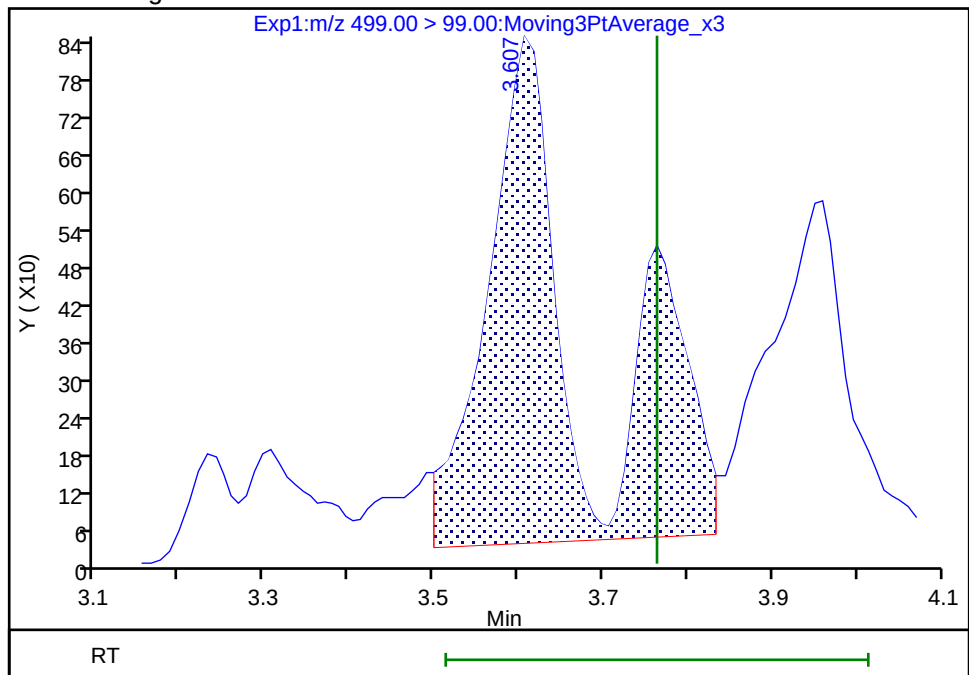
RT: 3.61
Area: 5355
Amount: 0.029113
Amount Units: ng/ml

Processing Integration Results



RT: 3.61
Area: 6381
Amount: 0.011524
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:13:24

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

Eurofins Burlington

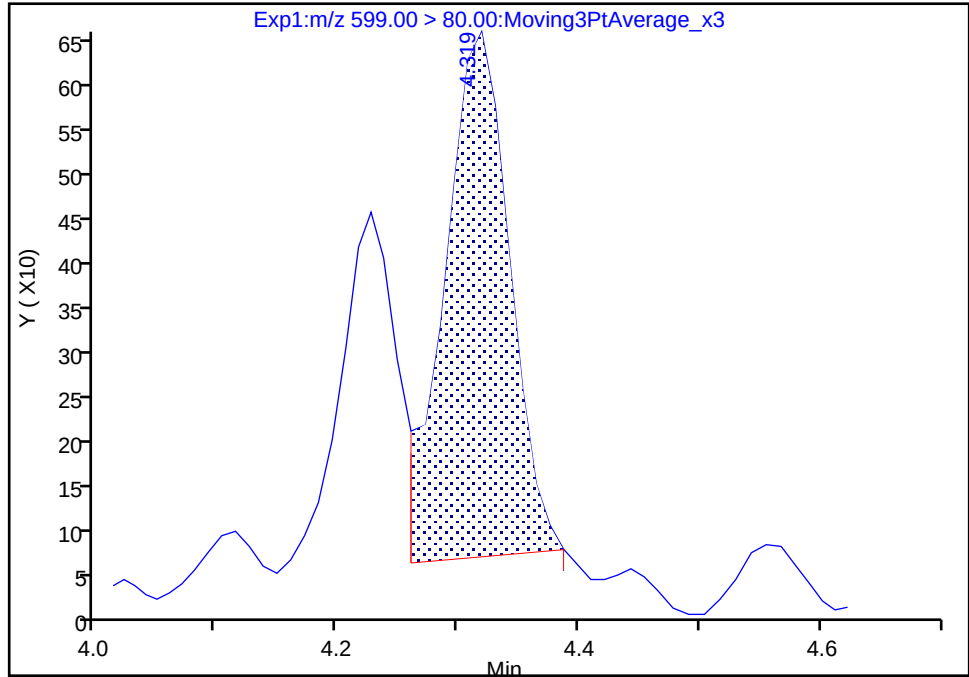
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A12.d				
Injection Date:	30-Nov-2022 10:46:31	Instrument ID:	LC812		
Lims ID:	460-269761-A-3-B	Lab Sample ID:	200-269761-3		
Client ID:	BCS-09-08_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

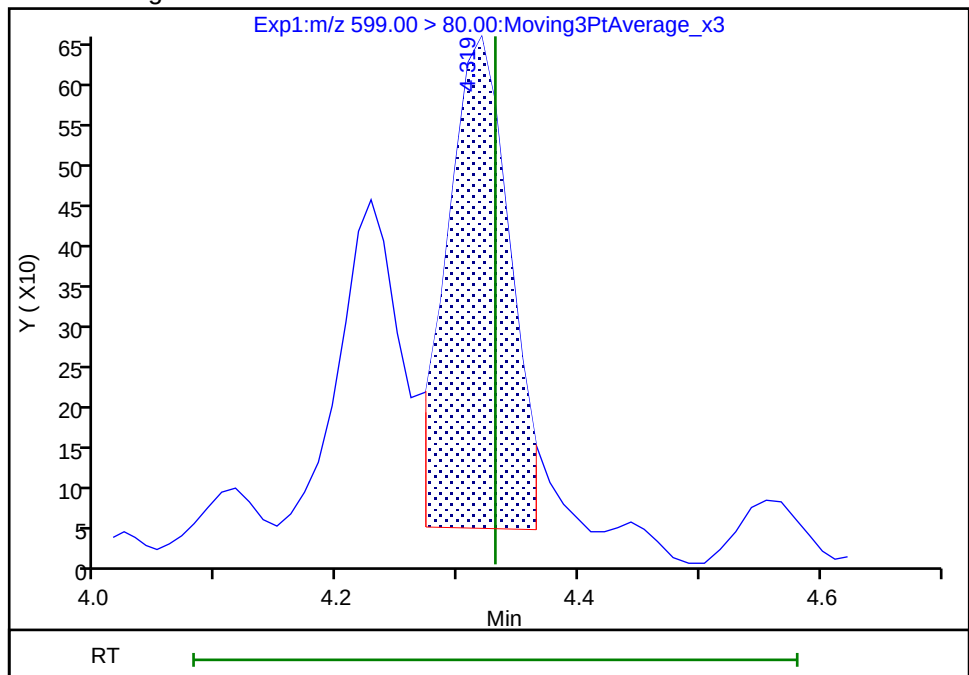
RT: 4.32
Area: 2178
Amount: 0.003874
Amount Units: ng/ml

Processing Integration Results



RT: 4.32
Area: 2147
Amount: 0.003818
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:14:06

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

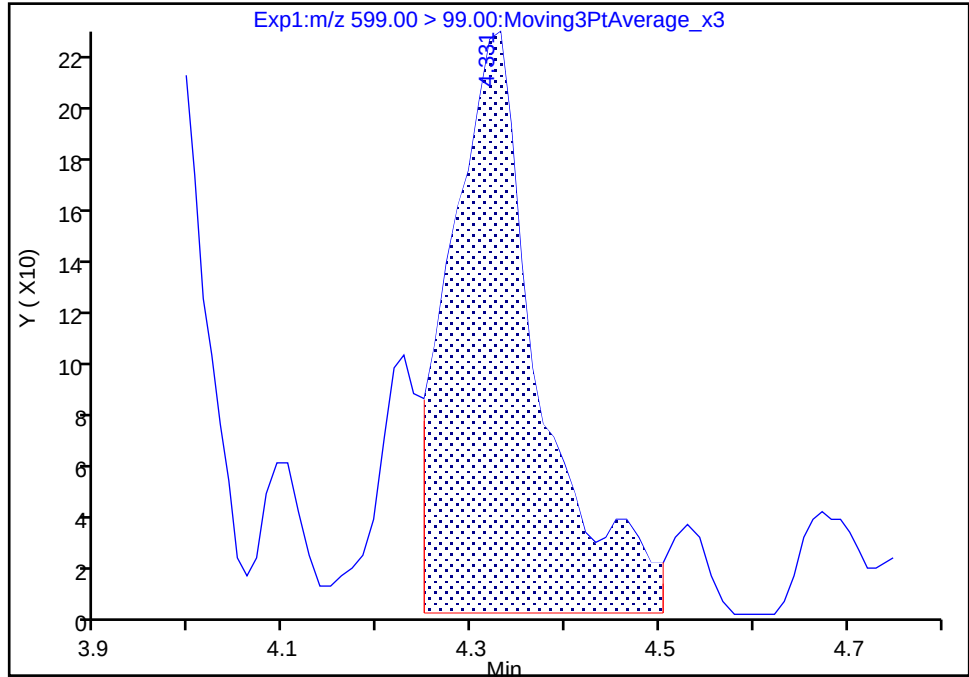
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A12.d
Injection Date: 30-Nov-2022 10:46:31 Instrument ID: LC812
Lims ID: 460-269761-A-3-B Lab Sample ID: 200-269761-3
Client ID: BCS-09-08_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

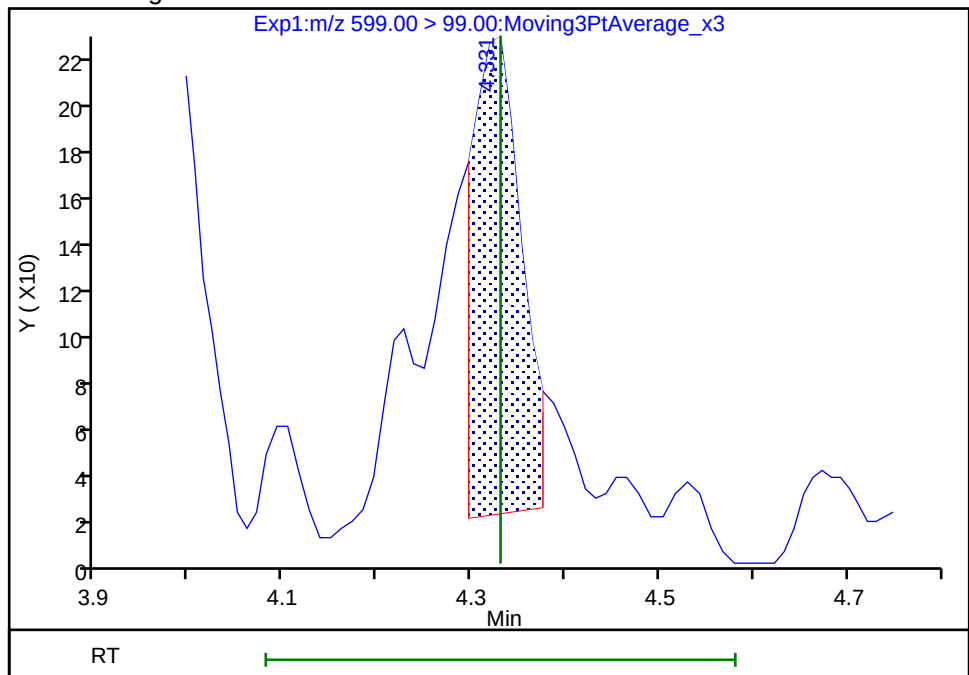
RT: 4.33
Area: 1489
Amount: 0.003874
Amount Units: ng/ml

Processing Integration Results



RT: 4.33
Area: 710
Amount: 0.003818
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:14:08

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

Eurofins Burlington

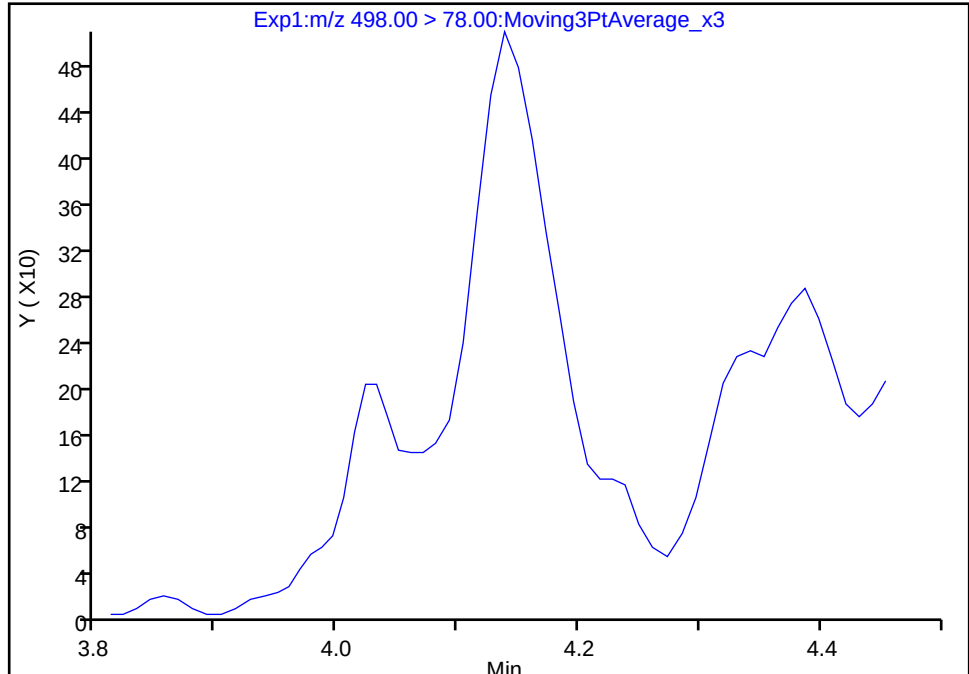
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A12.d				
Injection Date:	30-Nov-2022 10:46:31	Instrument ID:	LC812		
Lims ID:	460-269761-A-3-B	Lab Sample ID:	200-269761-3		
Client ID:	BCS-09-08_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

22 Perfluorooctanesulfonamide, CAS: 754-91-6

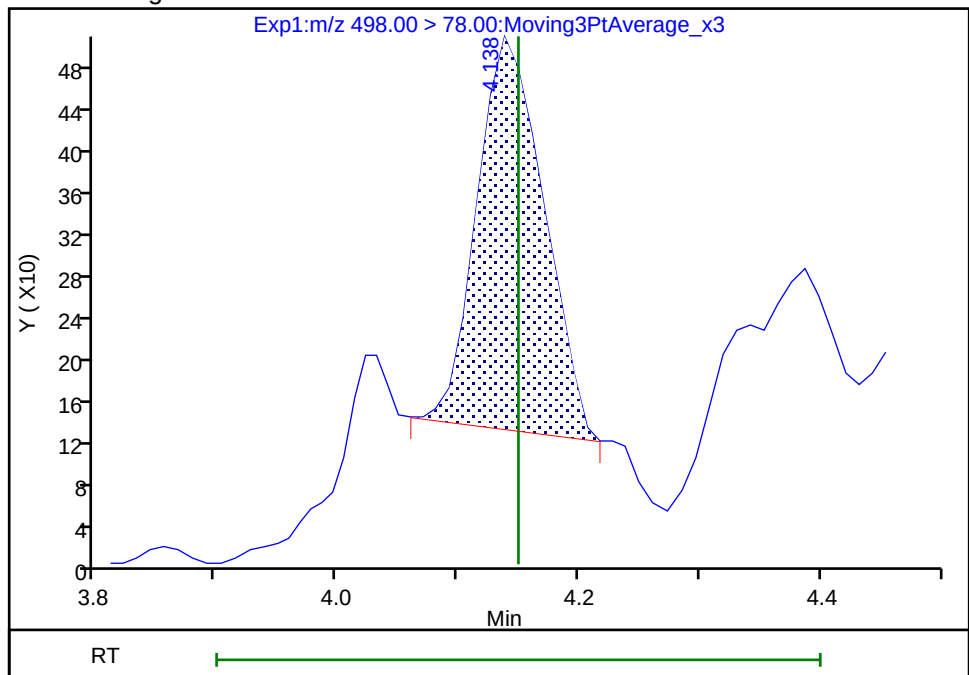
Signal: 1

Not Detected
Expected RT: 4.15

Processing Integration Results



Manual Integration Results



RT: 4.14
Area: 1444
Amount: 0.000948
Amount Units: ng/ml

Reviewer: khanphomeea, 01-Dec-2022 11:13:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

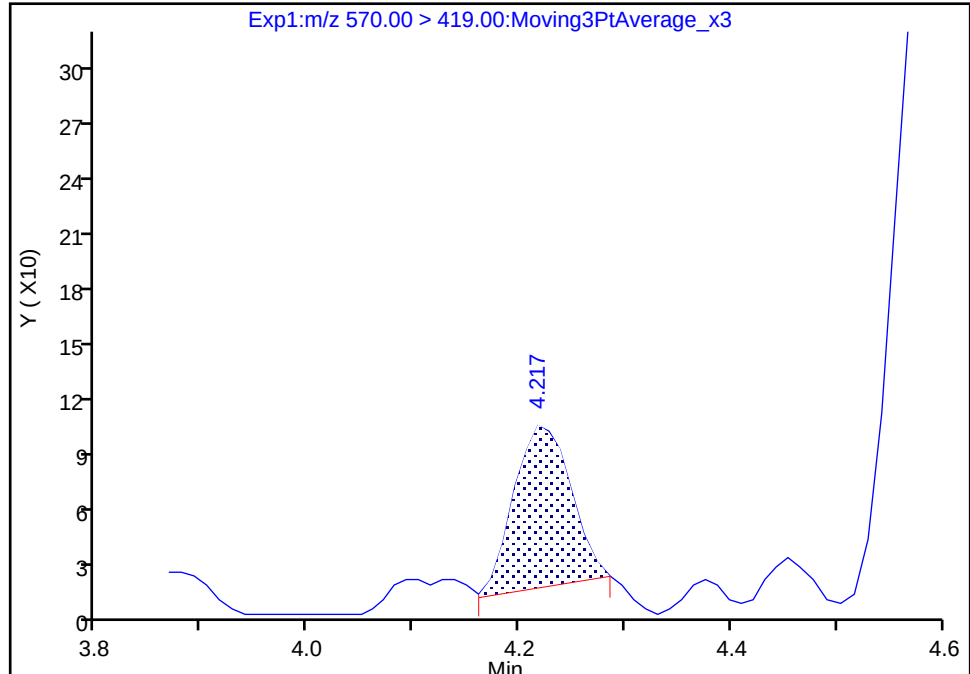
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A12.d
Injection Date: 30-Nov-2022 10:46:31 Instrument ID: LC812
Lims ID: 460-269761-A-3-B Lab Sample ID: 200-269761-3
Client ID: BCS-09-08_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. 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

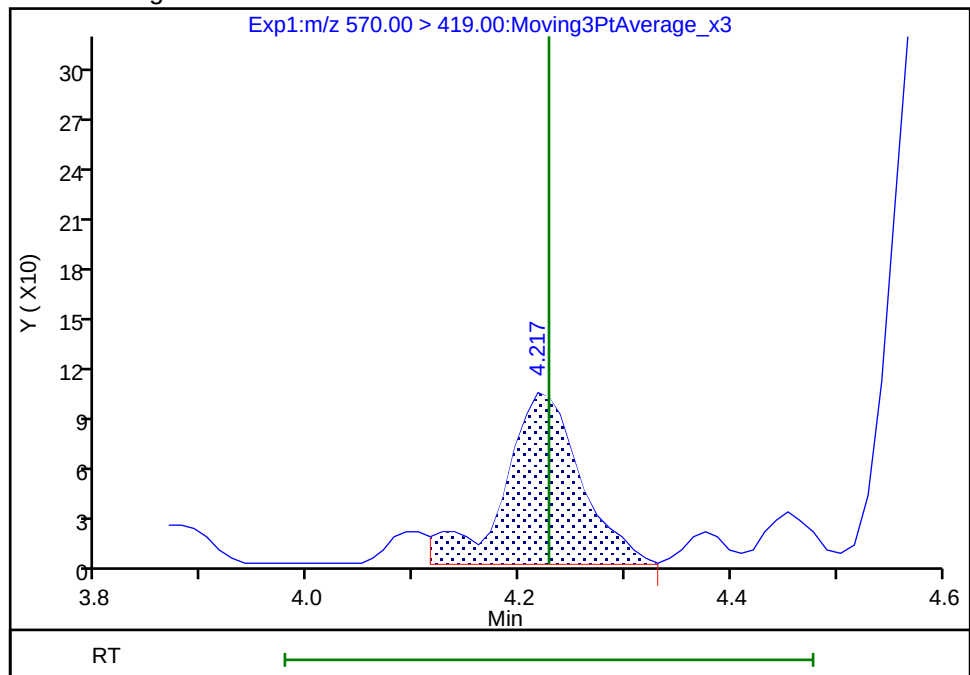
RT: 4.22
Area: 329
Amount: -0.010530
Amount Units: ng/ml

Processing Integration Results



RT: 4.22
Area: 513
Amount: -0.009917
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:13:49

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

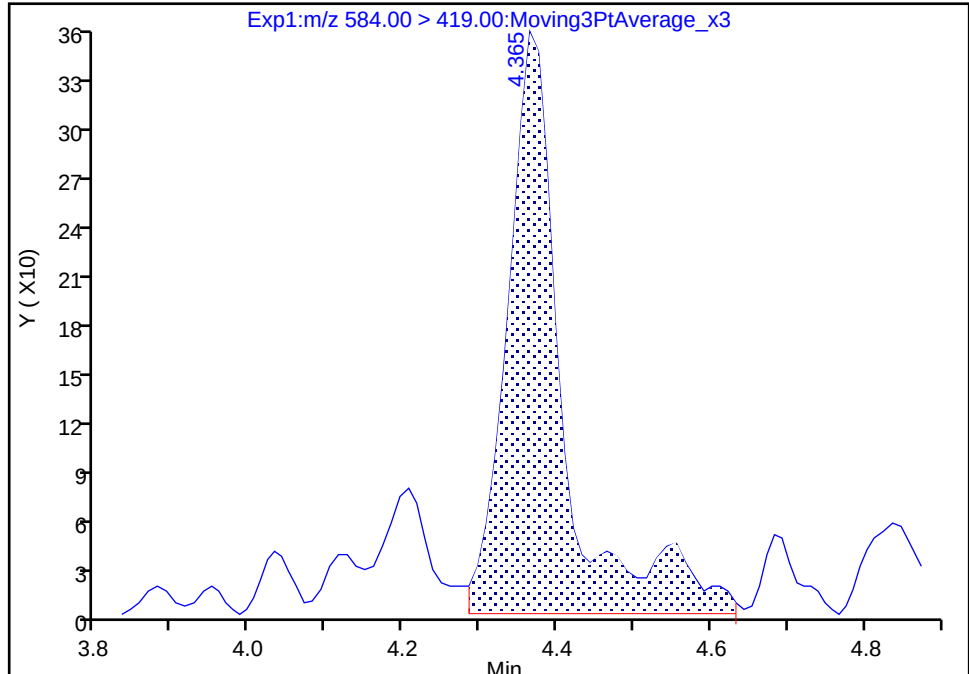
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A12.d				
Injection Date:	30-Nov-2022 10:46:31	Instrument ID:	LC812		
Lims ID:	460-269761-A-3-B	Lab Sample ID:	200-269761-3		
Client ID:	BCS-09-08_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	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

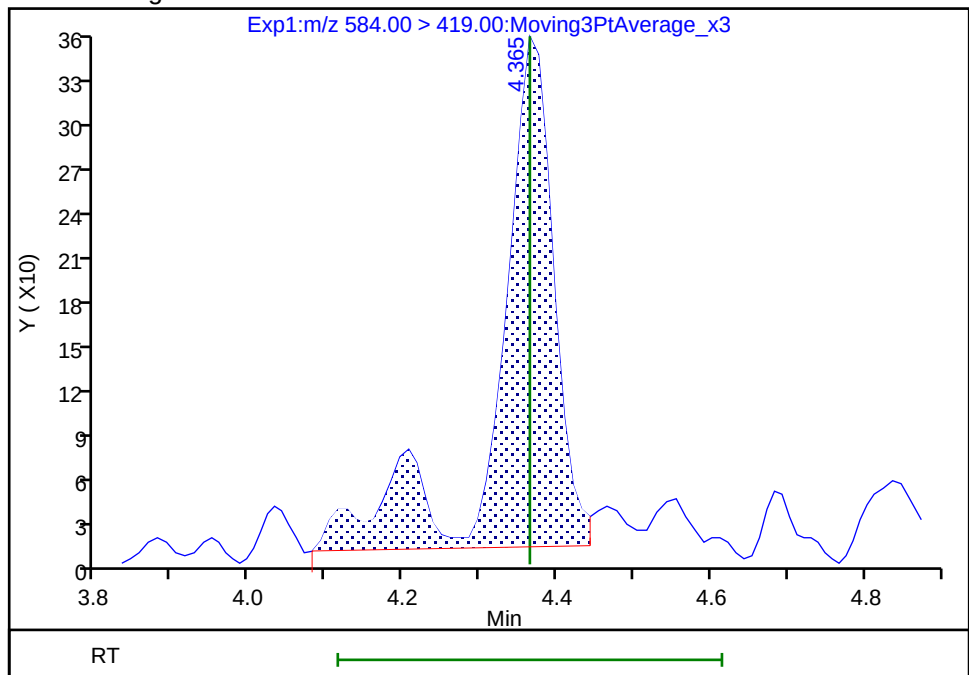
RT: 4.36
Area: 1790
Amount: 0.005586
Amount Units: ng/ml

Processing Integration Results



RT: 4.36
Area: 1698
Amount: 0.005299
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:14:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

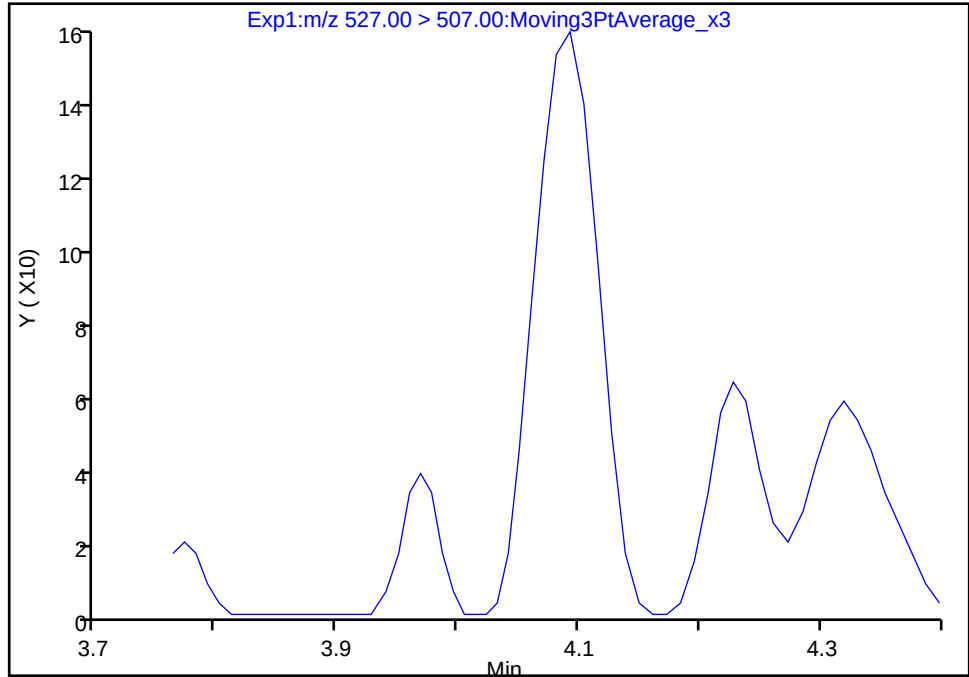
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A12.d				
Injection Date:	30-Nov-2022 10:46:31	Instrument ID:	LC812		
Lims ID:	460-269761-A-3-B	Lab Sample ID:	200-269761-3		
Client ID:	BCS-09-08_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	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

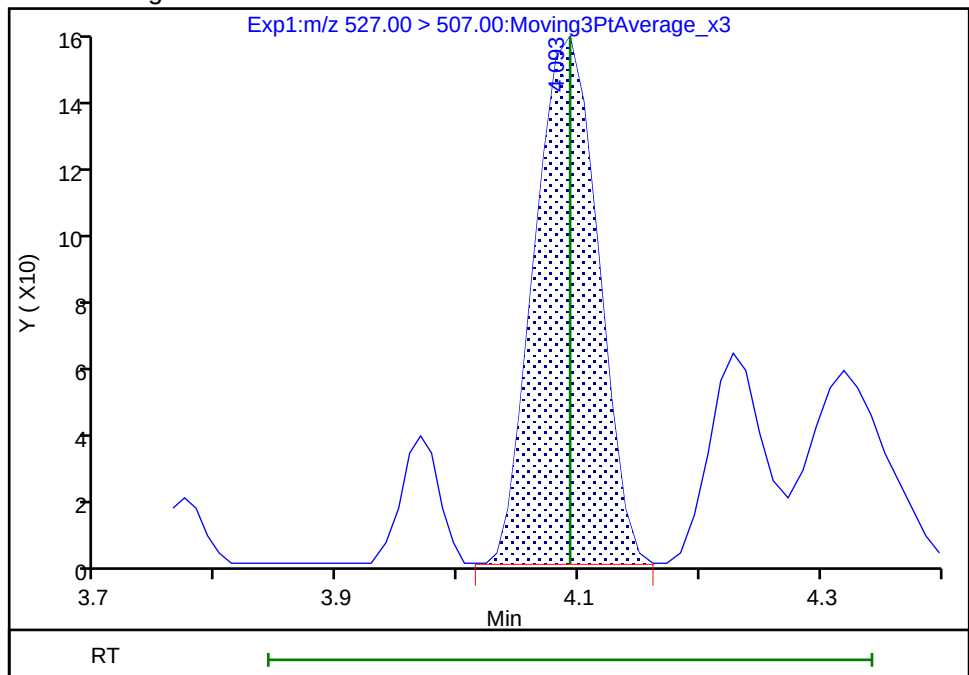
Signal: 1

Not Detected
Expected RT: 4.09

Processing Integration Results



Manual Integration Results

RT: 4.09
Area: 561
Amount: 0.001416
Amount Units: ng/ml

Reviewer: khanphomeea, 01-Dec-2022 11:13:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

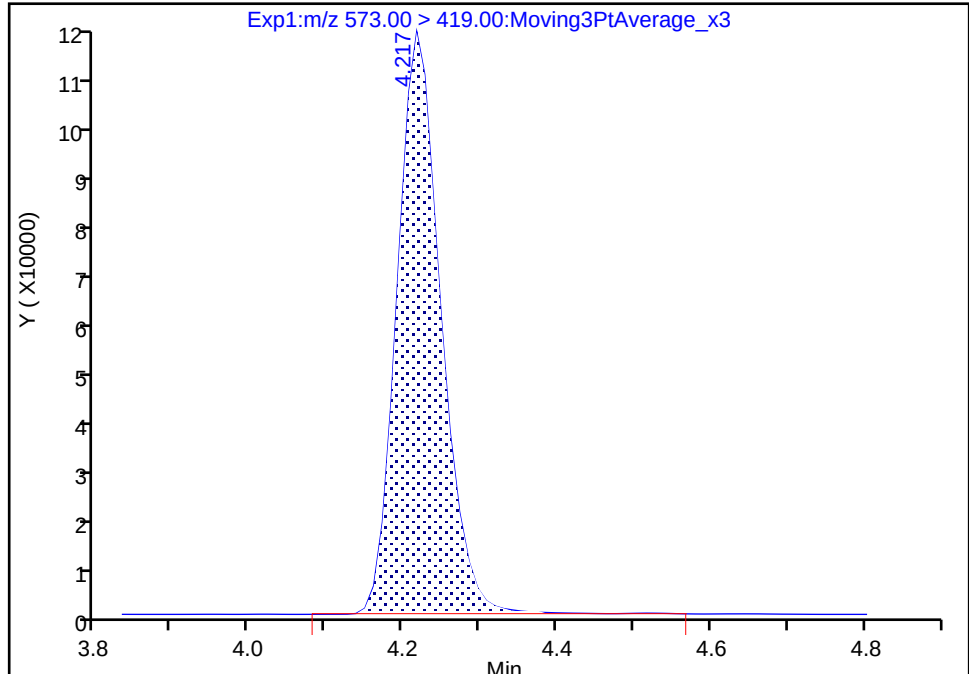
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A12.d				
Injection Date:	30-Nov-2022 10:46:31	Instrument ID:	LC812		
Lims ID:	460-269761-A-3-B	Lab Sample ID:	200-269761-3		
Client ID:	BCS-09-08_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

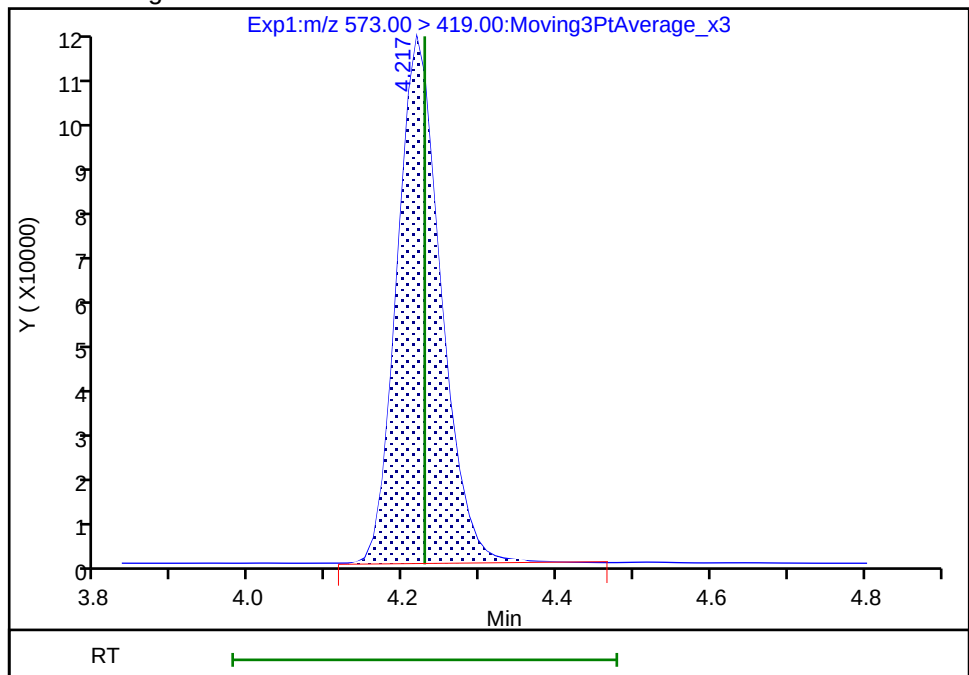
RT: 4.22
Area: 437115
Amount: 1.116494
Amount Units: ng/ml

Processing Integration Results



RT: 4.22
Area: 435896
Amount: 1.113380
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:11:14

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-269761-1
 SDG No.: _____
 Client Sample ID: BCS-09-09_(0-5.5)P Lab Sample ID: 460-269761-4
 Matrix: Solid Lab File ID: PA221130A13.d
 Analysis Method: 537 (modified) Date Collected: 11/17/2022 14:05
 Extraction Method: SHAKE Date Extracted: 11/29/2022 10:30
 Sample wt/vol: 5.29(g) Date Analyzed: 11/30/2022 10:54
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6 (mm)
 % Moisture: 26.9 % Solids: 73.1 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186193 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.65	U	0.65	0.43
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	0.034
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.26	U	0.26	0.043
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	0.025
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.26	U	0.26	0.044
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.59	U	2.59	0.14
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.59	U	2.59	0.11
27619-97-2	6:2 FTS	0.16	J	2.59	0.074
39108-34-4	8:2 FTS	2.59	U	2.59	0.048

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-269761-1
 SDG No.: _____
 Client Sample ID: BCS-09-09_(0-5.5)P Lab Sample ID: 460-269761-4
 Matrix: Solid Lab File ID: PA221130A13.d
 Analysis Method: 537 (modified) Date Collected: 11/17/2022 14:05
 Extraction Method: SHAKE Date Extracted: 11/29/2022 10:30
 Sample wt/vol: 5.29(g) Date Analyzed: 11/30/2022 10:54
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6 (mm)
 % Moisture: 26.9 % Solids: 73.1 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186193 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	84		50-150
STL01892	13C4 PFHpA	84		50-150
STL00990	13C4 PFOA	83		50-150
STL00991	13C4 PFOS	83		50-150
STL00995	13C5 PFNA	87		50-150
STL00992	13C4 PFBA	87		50-150
STL00993	13C2 PFHxA	87		50-150
STL00996	13C2 PFDA	87		50-150
STL00997	13C2 PFUnA	79		50-150
STL00998	13C2 PFDoA	83		50-150
STL01056	13C8 FOSA	78		50-150
STL01893	13C5 PFPeA	84		50-150
STL02116	13C2 PFTeDA	82		50-150
STL02118	d3-NMeFOSAA	80		50-150
STL02117	d5-NEtFOSAA	82		50-150
STL02279	M2-6:2 FTS	96		50-150
STL02280	M2-8:2 FTS	98		50-150
STL02337	13C3 PFBS	81		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A13.d
 Lims ID: 460-269761-A-4-B
 Client ID: BCS-09-09_(0-5.5)P
 Sample Type: Client
 Inject. Date: 30-Nov-2022 10:54:43 ALS Bottle#: 10 Worklist Smp#: 13
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 460-269761-A-4-B
 Misc. Info.: 200-0053485-013 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 01-Dec-2022 09:50:22 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: CTX1681

First Level Reviewer: khanphomeea

Date: 01-Dec-2022 11:18:22

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	0.607	2279331	1.08		86.8	9755	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.076	0.009	0.996	84965	0.0452			6.8	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.388	2.387	0.001	0.692	1670908	1.04		83.5	2858	
D 47 13C3 PFBS										
301.90 > 80.00	2.402	2.400	0.002	0.696	1639172	0.9427		81.1	140797	
D 7 13C2 PFHxA										
315.00 > 270.00	2.727	2.725	0.002	0.791	1823722	1.09		87.0	4962	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.739	2.725	0.014	1.004	13914	0.008753	Target=14.25		1.2	M
313.00 > 119.00	2.751	2.725	0.026	1.009	1446		9.62(7.12-21.37)		1.6	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.089	3.088	0.001	0.896	1260840	1.00		84.2	3296	
8 Perfluorohexanesulfonic acid										RM
399.00 > 80.00	3.100	3.088	0.012	1.004	5802	0.004821	Target=3.66		2.3	RM
399.00 > 99.00	3.111	3.088	0.023	1.007	3792		1.53(1.83-5.49)		1.1	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.100	3.099	0.001	0.899	1812107	1.05		84.1	4697	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.100	3.099	0.001	1.000	4666	0.002956	Target=3.97		0.5	M
363.00 > 169.00	3.100	3.099	0.001	1.000	1262		3.70(1.98-5.95)		2.6	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.432	3.439	-0.007	0.995	240963	1.13		95.5	114	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.432	3.439	-0.007	1.000	30975	0.0604			30.1	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 14 13C4 PFOA										
417.00 > 372.00	3.449	3.448	0.001	1.000	2022668	1.04		83.4	5915	
* 62 13C2 PFOA										
415.00 > 370.00	3.449	3.448	0.001		2341876	1.25			6183	
D 18 13C4 PFOS										
503.00 > 80.00	3.756	3.764	-0.008	1.089	848849	0.9876		82.6	1101	
17 Perfluorooctanesulfonic acid										RM
499.00 > 80.00	3.756	3.764	-0.008	1.000	8321	0.009632	Target=5.11	2.6		RM
499.00 > 99.00	3.597	3.764	-0.167	0.958	35797		0.23(2.55-7.66)	33.5		M
D 19 13C5 PFNA										
468.00 > 423.00	3.775	3.783	-0.008	1.095	2048347	1.09		87.0	3353	
D 23 13C2 PFDA										
515.00 > 470.00	4.072	4.081	-0.009	1.181	2086711	1.09		86.9	5855	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.083	4.093	-0.010	1.184	305199	1.17		98.1	470	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.083	4.093	-0.010	1.000	930	0.002257		9.4		M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.140	4.150	-0.010	1.000	996	0.000780		3.1		M
D 21 13C8 FOSA										
506.00 > 78.00	4.140	4.150	-0.010	1.200	1527516	0.9703		77.6	2815	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.219	4.228	-0.009	1.223	390032	1.00		79.8	1234	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.229	4.228	0.001	1.002	323	-0.0104		2.0		M
D 30 13C2 PFUnA										
565.00 > 520.00	4.333	4.353	-0.020	1.256	1734186	0.9863		78.9	4541	
31 Perfluoroundecanoic acid										RM
563.00 > 519.00	4.333	4.353	-0.020	1.000	1964	0.001405	Target=9.88	0.6		RM
563.00 > 169.00	4.333	4.353	-0.020	1.000	931		2.11(4.94-14.82)	5.6		M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.344	4.365	-0.021	1.000	2435	0.008624		17.6		M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.344	4.365	-0.021	1.260	394246	1.02		81.9	829	
37 Perfluorododecanoic acid										RM
613.00 > 569.00	4.582	4.591	-0.009	1.003	5218	0.003330	Target=7.77	0.6		R
613.00 > 169.00	4.582	4.591	-0.009	1.003	401		13.01(3.89-11.66)	2.6		M
D 36 13C2 PFDaA										
615.00 > 570.00	4.570	4.591	-0.021	1.325	1848763	1.03		82.6	5514	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.796	4.804	-0.008	1.049	4354	0.002905	Target=5.21	0.6		
663.00 > 169.00	4.786	4.804	-0.018	1.047	756		5.76(2.60-7.81)	6.0		M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	4.982	5.012	-0.030	1.000	793	0.004568	Target=0.89	10.2		
713.00 > 219.00	4.972	5.012	-0.040	0.998	911		0.87(0.44-1.33)	10.5		M
D 43 13C2 PFTeDA										
715.00 > 670.00	4.982	5.012	-0.030	1.445	1585157	1.02		81.8	6507	

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A13.d

Injection Date: 30-Nov-2022 10:54:43

Instrument ID: LC812

Lims ID: 460-269761-A-4-B

Lab Sample ID: 200-269761-4

Client ID: BCS-09-09_(0-5.5)P

Operator ID: lc812tech

ALS Bottle#: 10

Worklist Smp#: 13

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

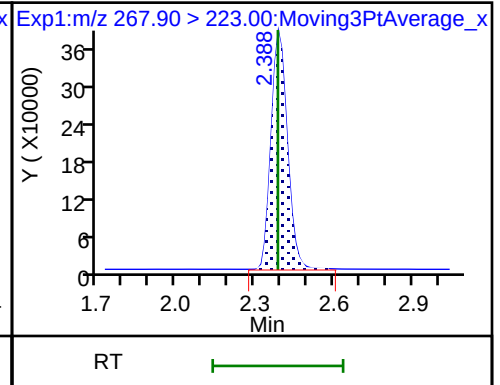
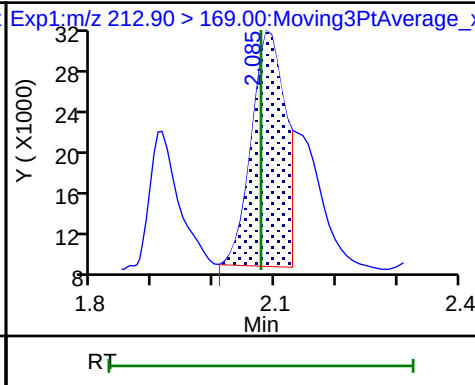
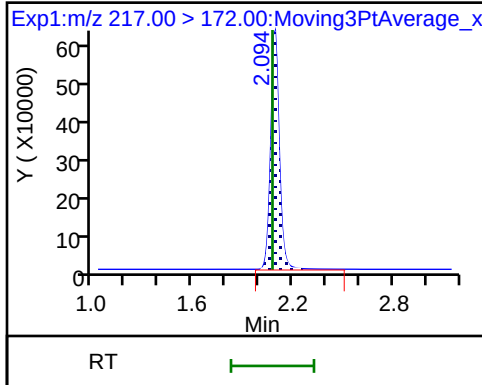
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

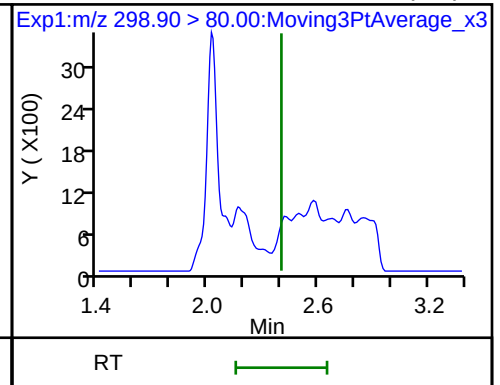
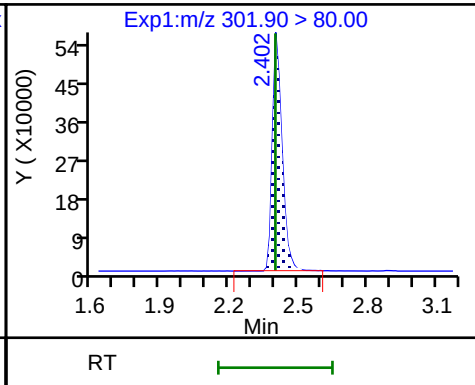
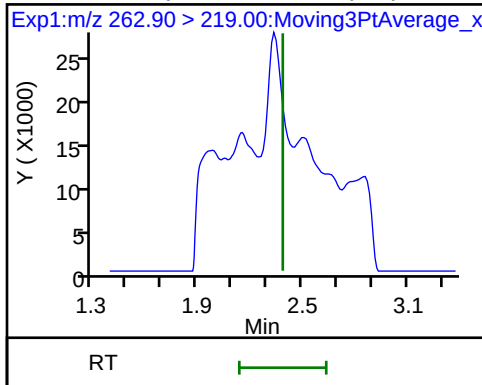
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (ND)

D 47 13C3 PFBS

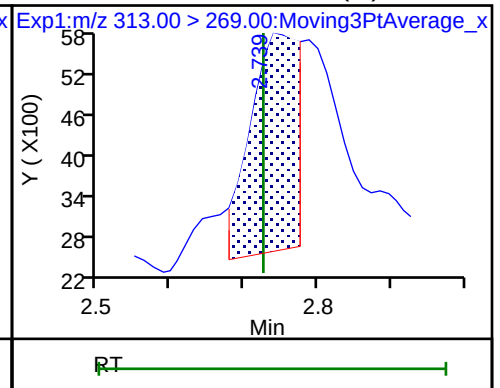
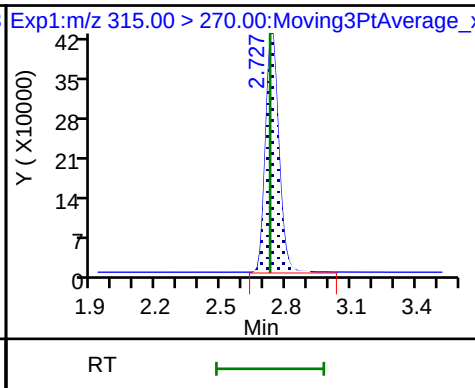
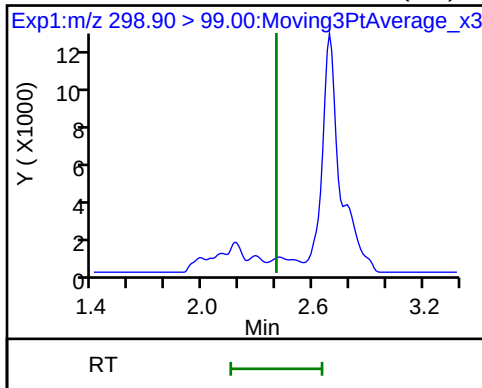
5 Perfluorobutanesulfonic acid (ND)



5 Perfluorobutanesulfonic acid (ND)

D 7 13C2 PFHxA

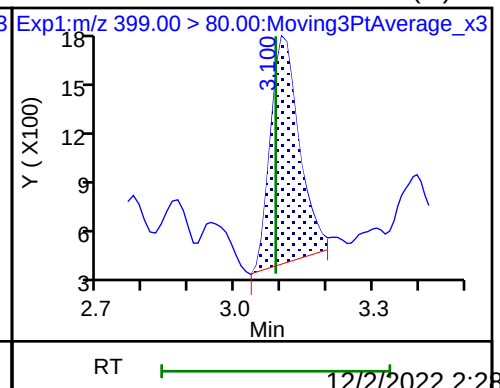
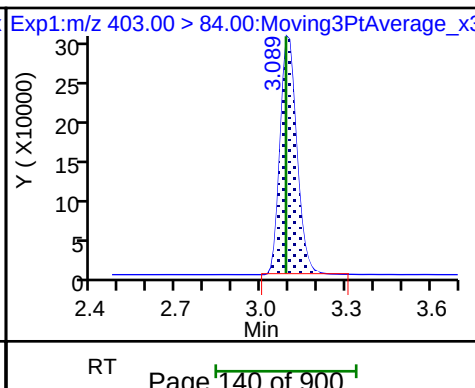
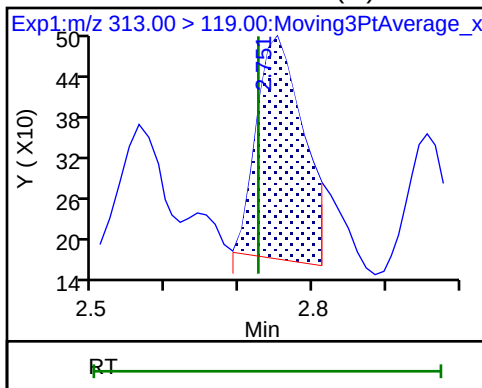
6 Perfluorohexanoic acid (M)

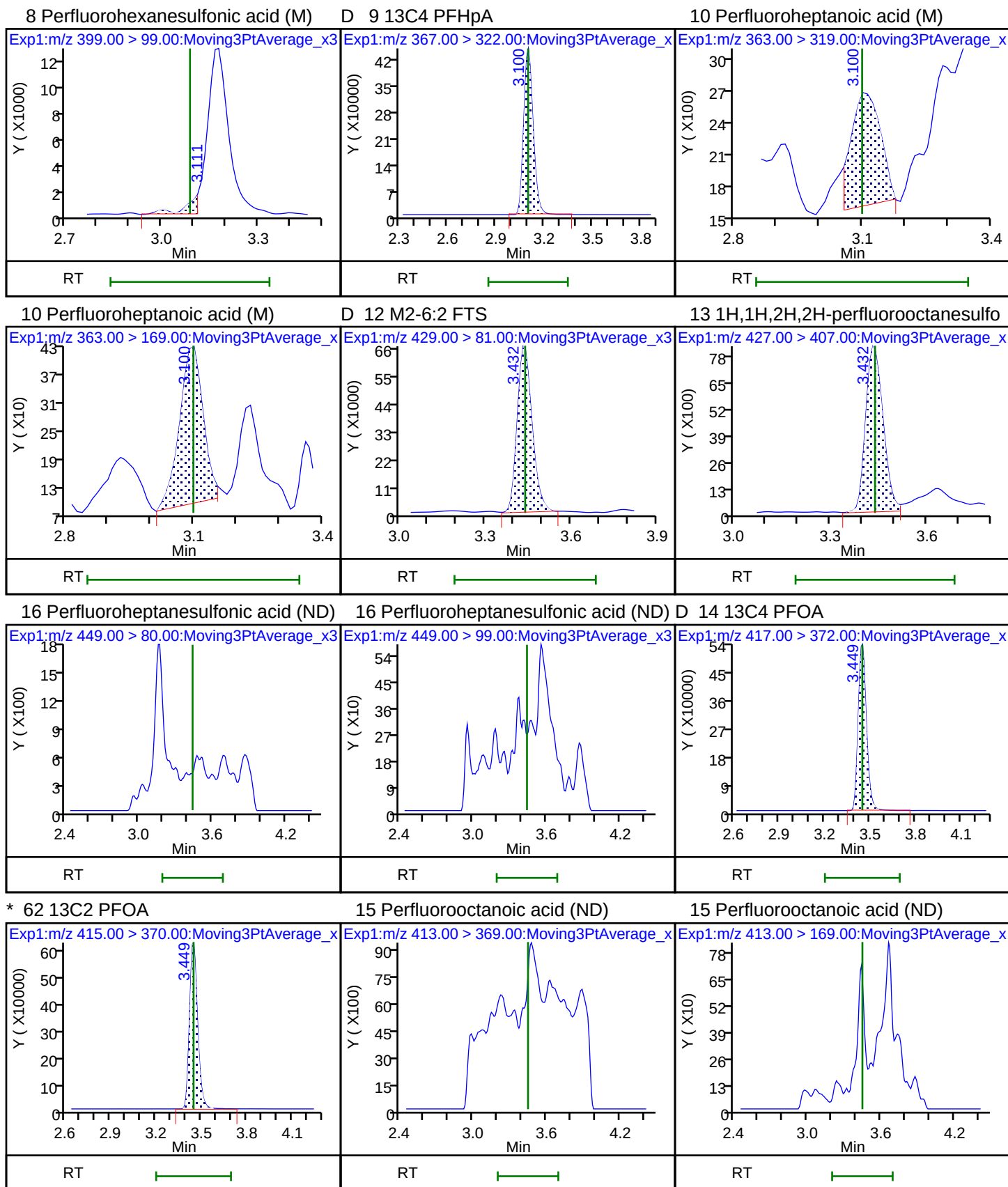


6 Perfluorohexanoic acid (M)

D 11 18O2 PFHxS

8 Perfluorohexanesulfonic acid (M)

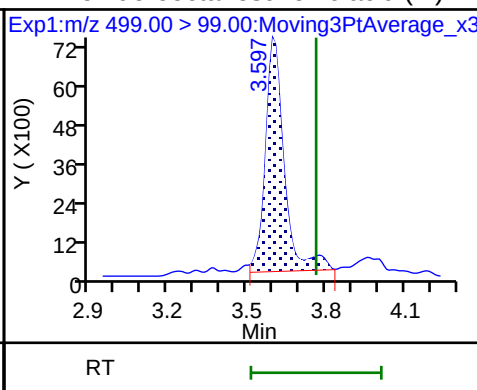
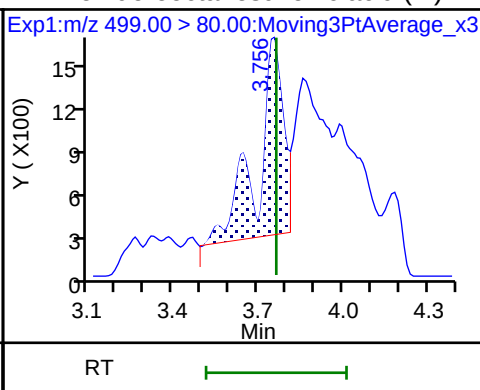
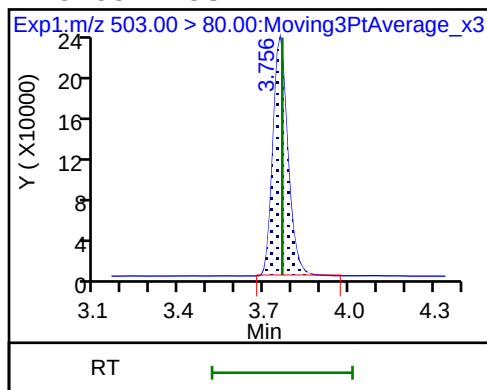




D 18 13C4 PFOS

17 Perfluorooctanesulfonic acid (M)

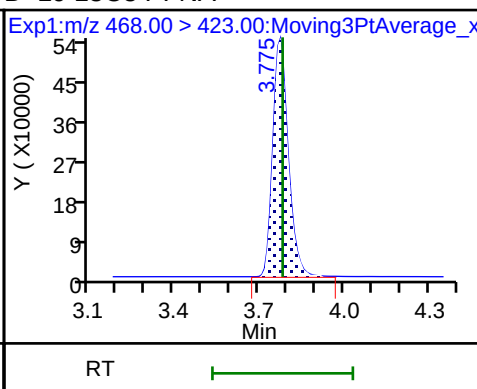
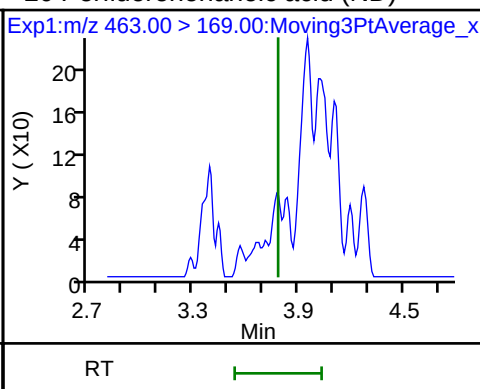
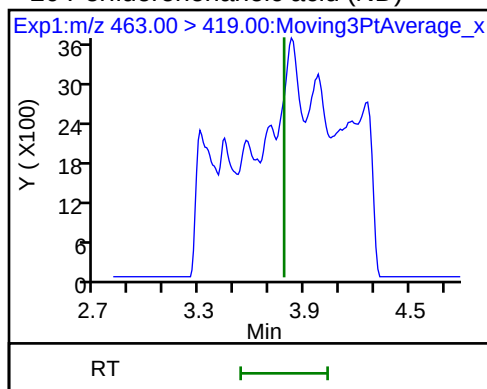
17 Perfluorooctanesulfonic acid (M)



20 Perfluorononanoic acid (ND)

20 Perfluorononanoic acid (ND)

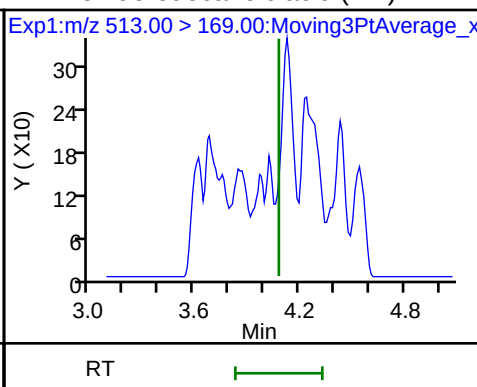
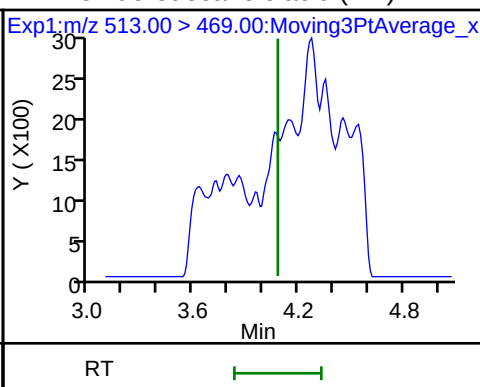
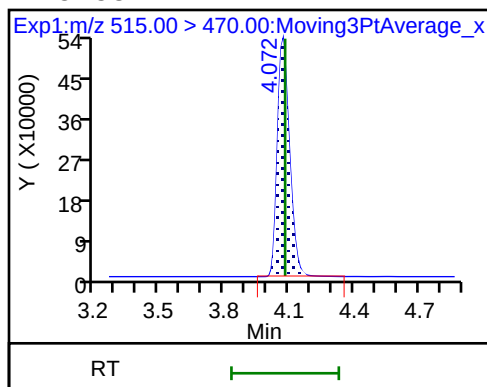
D 19 13C5 PFNA



D 23 13C2 PFDA

24 Perfluorodecanoic acid (ND)

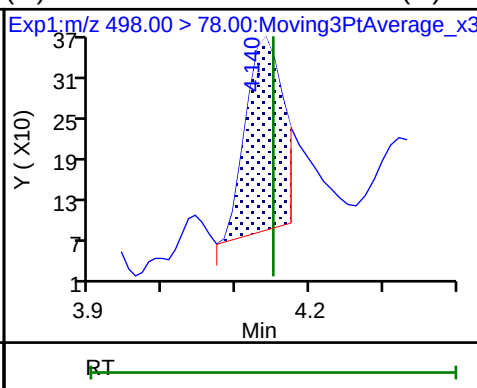
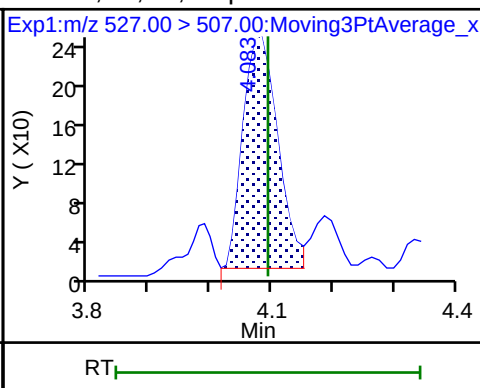
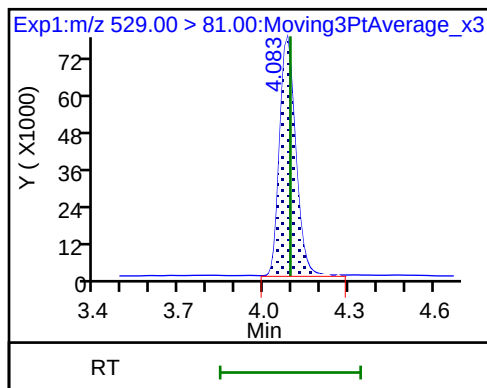
24 Perfluorodecanoic acid (ND)



D 26 M2-8:2 FTS

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

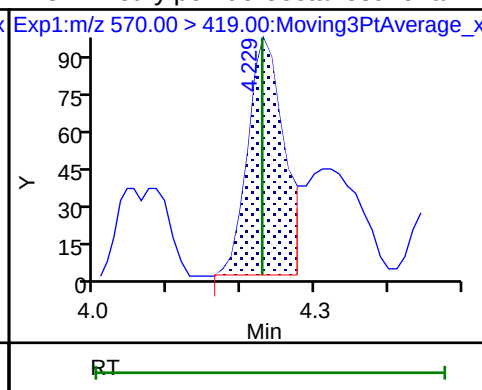
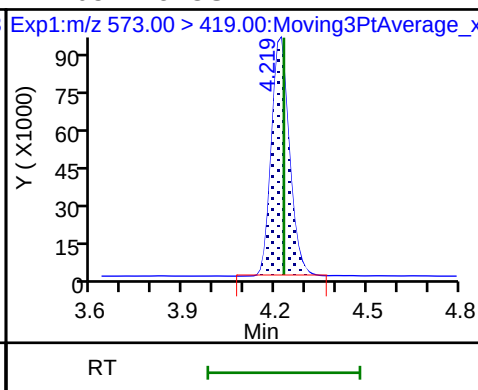
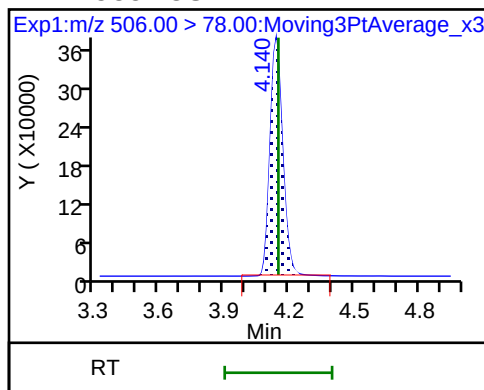
22 Perfluorooctanesulfonamide (M)



D 21 13C8 FOSA

D 27 d3-NMeFOSAA

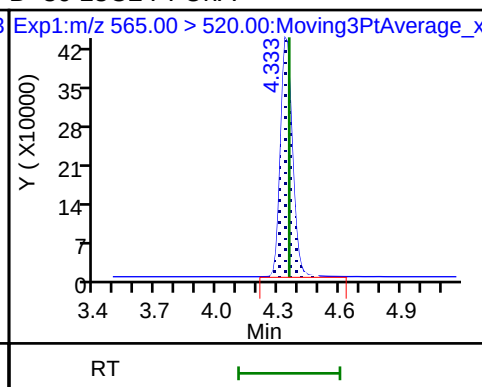
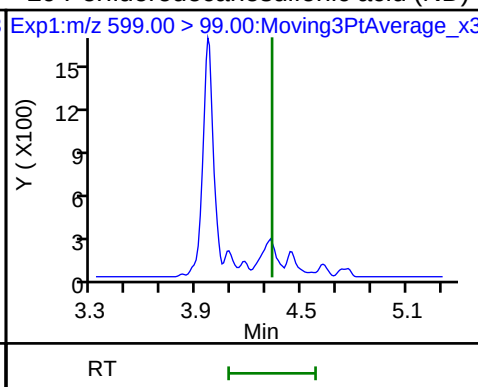
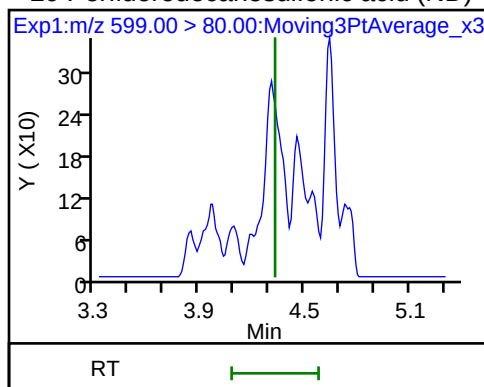
28 N-methylperfluorooctanesulfonami (M)



29 Perfluorodecanesulfonic acid (ND)

29 Perfluorodecanesulfonic acid (ND)

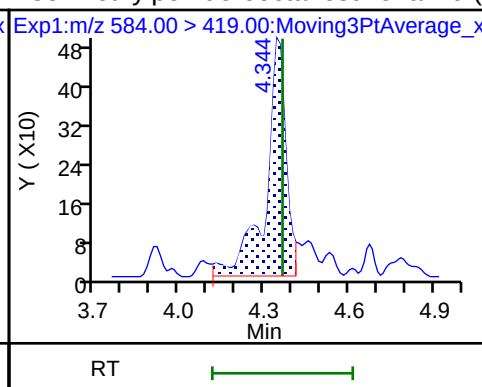
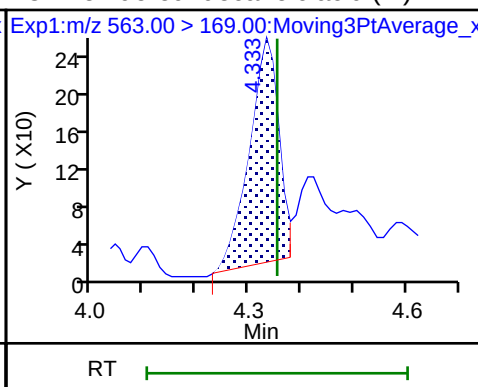
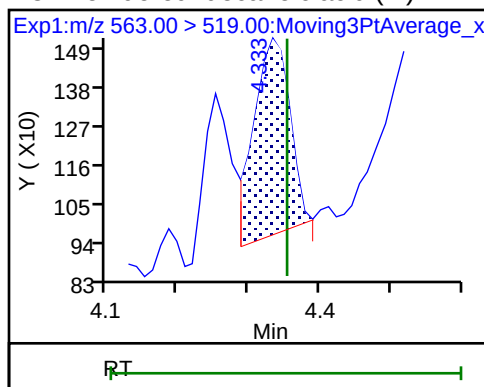
D 30 13C2 PFUnA



31 Perfluoroundecanoic acid (M)

31 Perfluoroundecanoic acid (M)

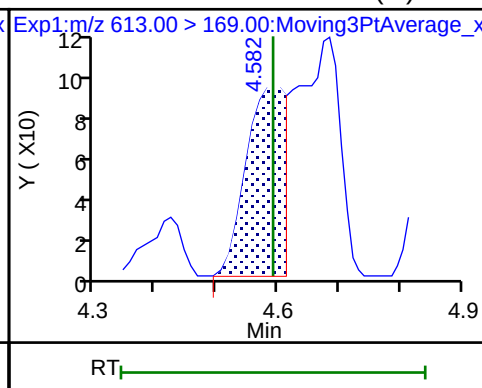
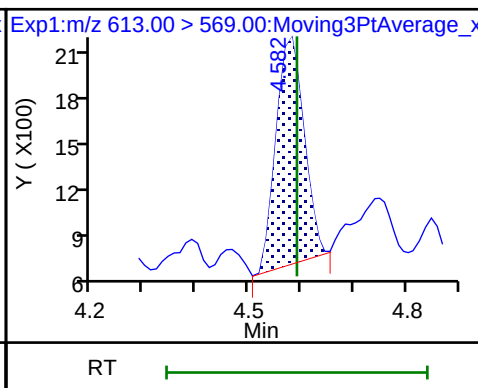
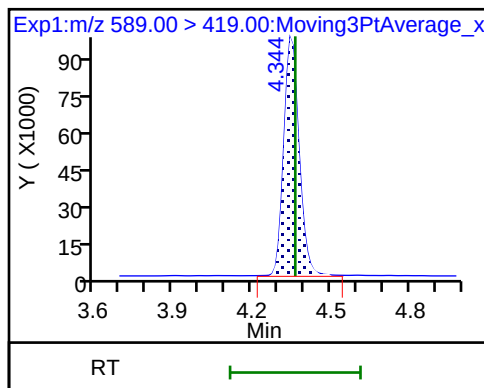
33 N-ethylperfluorooctanesulfonamid (M)



D 32 d5-NEtFOSAA

37 Perfluorododecanoic acid

37 Perfluorododecanoic acid (M)



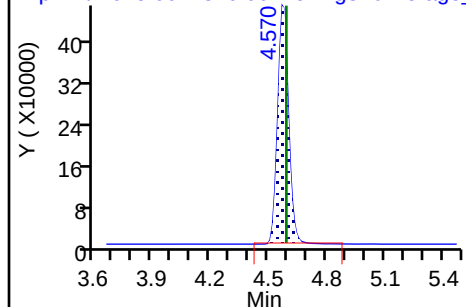
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D 36 13C2 PFDaA

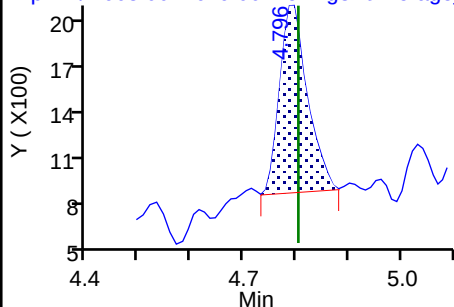
41 Perfluorotridecanoic acid

41 Perfluorotridecanoic acid (M)

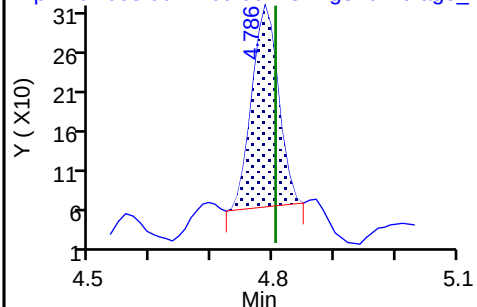
Exp1:m/z 615.00 > 570.00:Moving3PtAverage_x



Exp1:m/z 663.00 > 619.00:Moving3PtAverage_x



Exp1:m/z 663.00 > 169.00:Moving3PtAverage_x

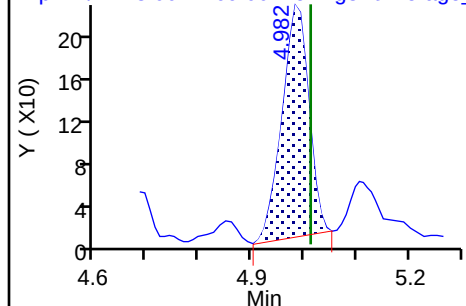


42 Perfluorotetradecanoic acid

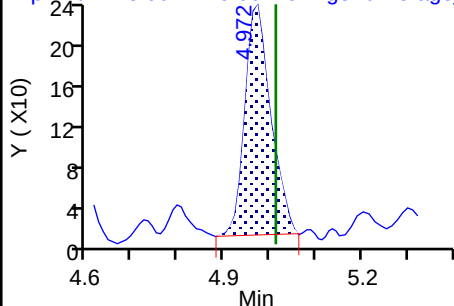
42 Perfluorotetradecanoic acid (M)

D 43 13C2 PFTeDA

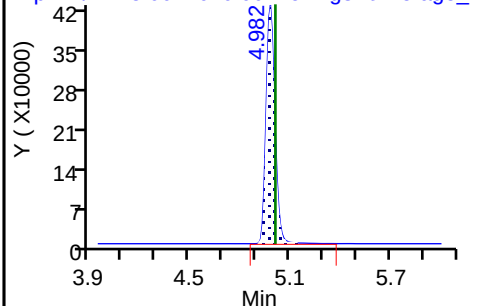
Exp1:m/z 713.00 > 169.00:Moving3PtAverage_x



Exp1:m/z 713.00 > 219.00:Moving3PtAverage_x



Exp1:m/z 715.00 > 670.00:Moving3PtAverage_x



Eurofins Burlington

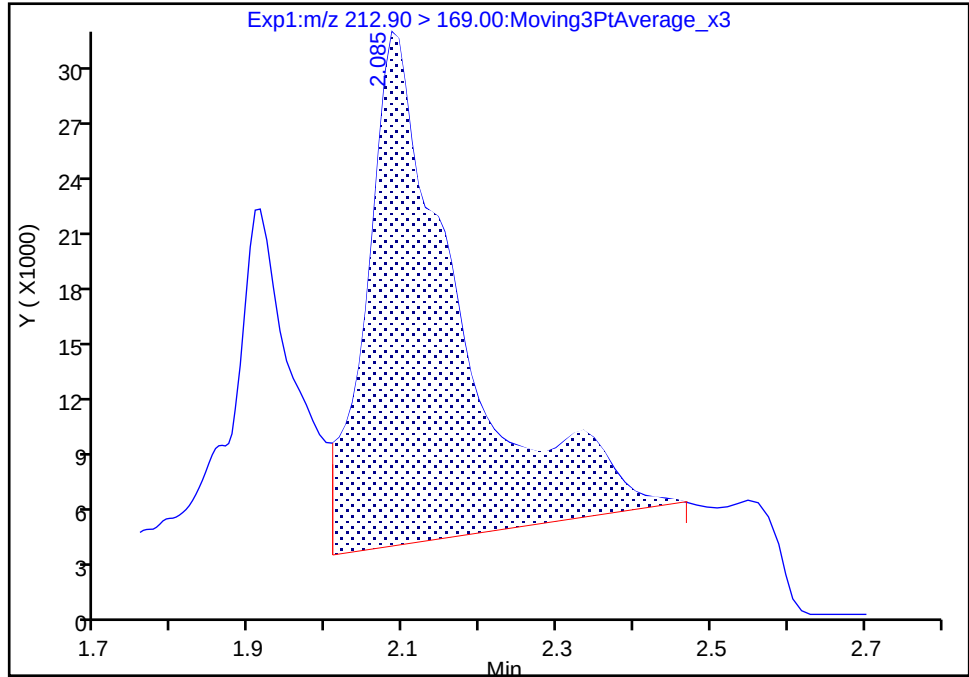
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A13.d				
Injection Date:	30-Nov-2022 10:54:43	Instrument ID:	LC812		
Lims ID:	460-269761-A-4-B	Lab Sample ID:	200-269761-4		
Client ID:	BCS-09-09_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	13
Injection Vol:	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

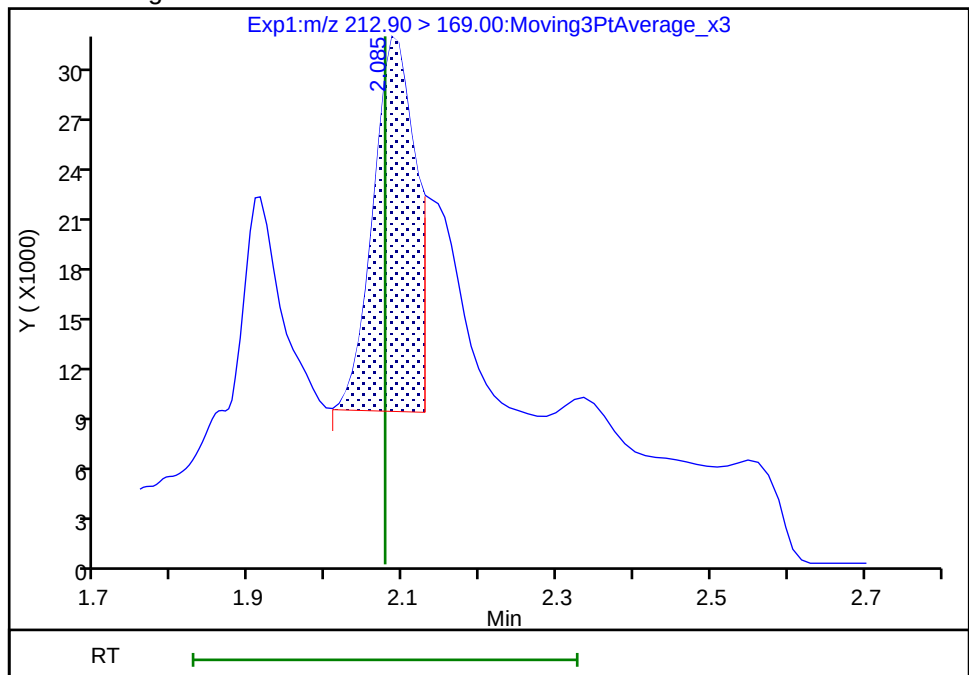
RT: 2.09
Area: 235859
Amount: 0.125434
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 84965
Amount: 0.045186
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:15:16

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

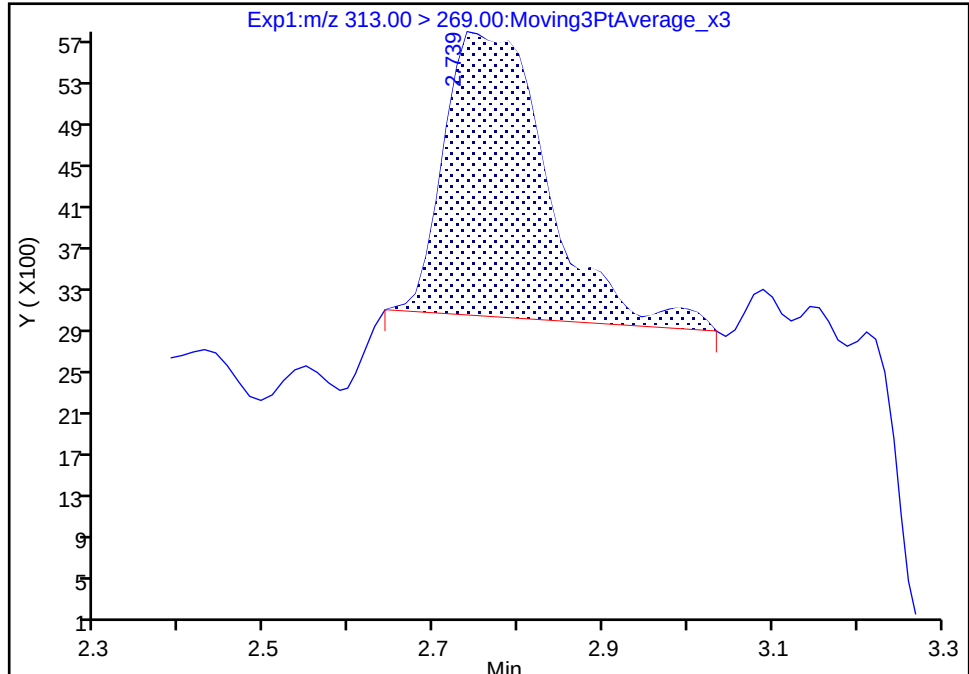
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A13.d				
Injection Date:	30-Nov-2022 10:54:43	Instrument ID:	LC812		
Lims ID:	460-269761-A-4-B	Lab Sample ID:	200-269761-4		
Client ID:	BCS-09-09_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	13
Injection Vol:	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

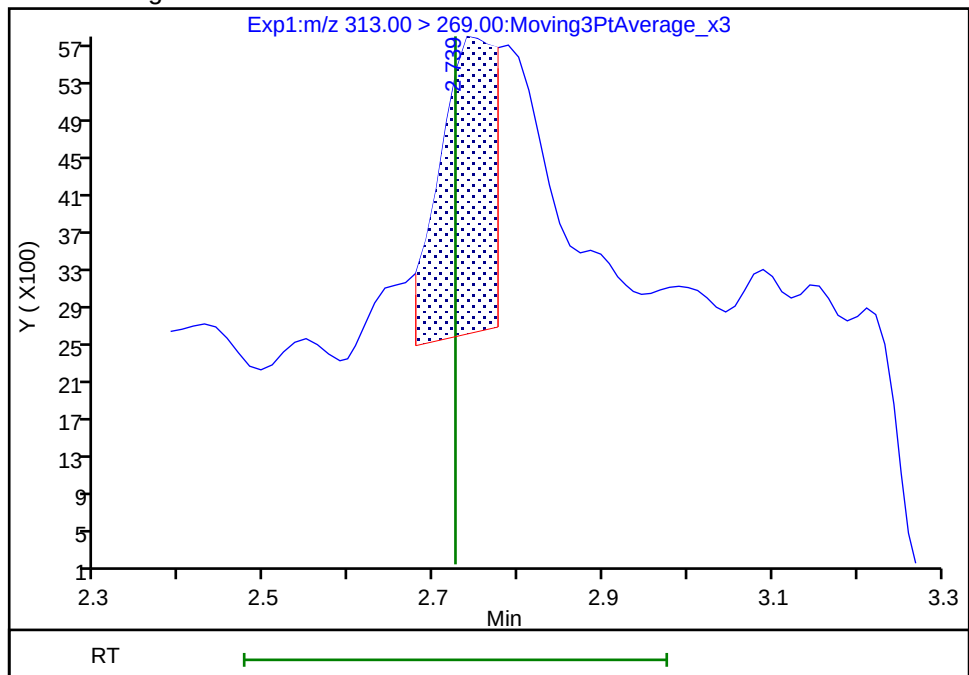
RT: 2.74
Area: 23270
Amount: 0.014638
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 13914
Amount: 0.008753
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:15:40

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

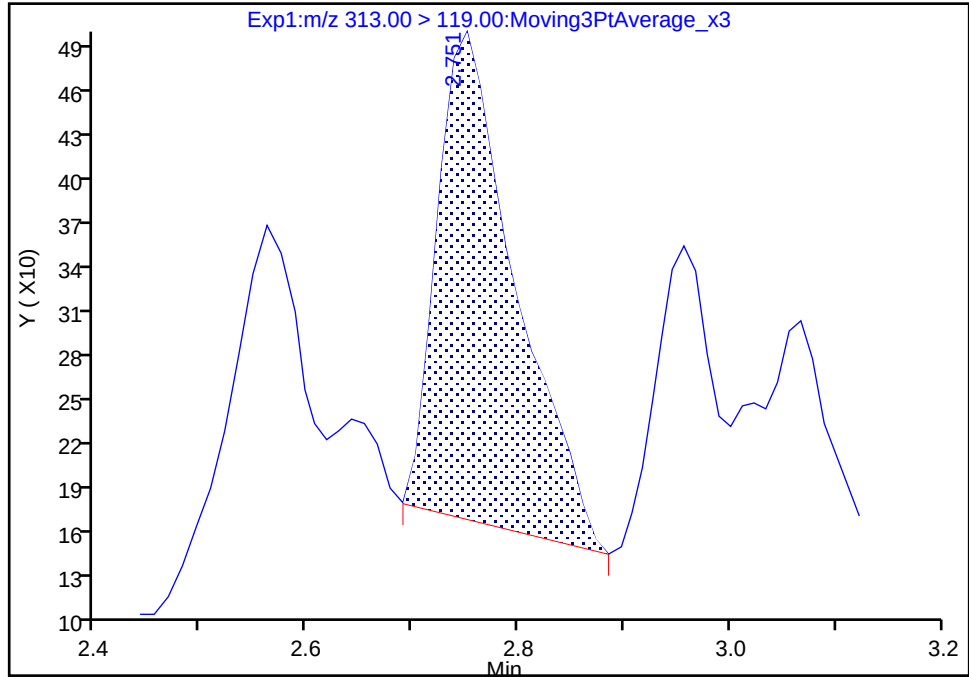
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A13.d
Injection Date: 30-Nov-2022 10:54:43 Instrument ID: LC812
Lims ID: 460-269761-A-4-B Lab Sample ID: 200-269761-4
Client ID: BCS-09-09_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 10 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

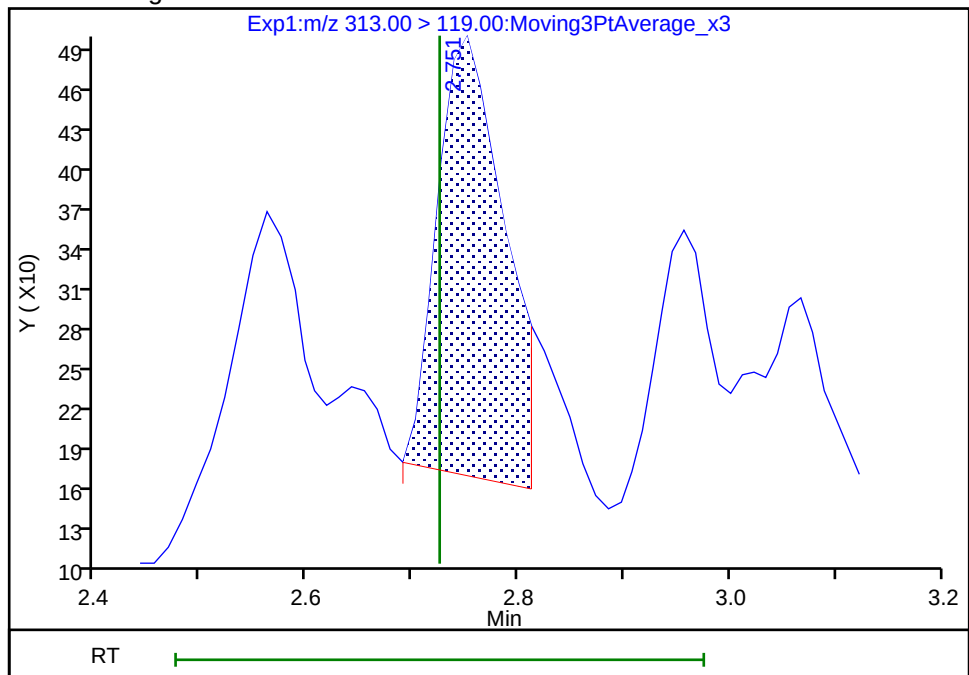
RT: 2.75
Area: 1708
Amount: 0.014638
Amount Units: ng/ml

Processing Integration Results



RT: 2.75
Area: 1446
Amount: 0.008753
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:15:48

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

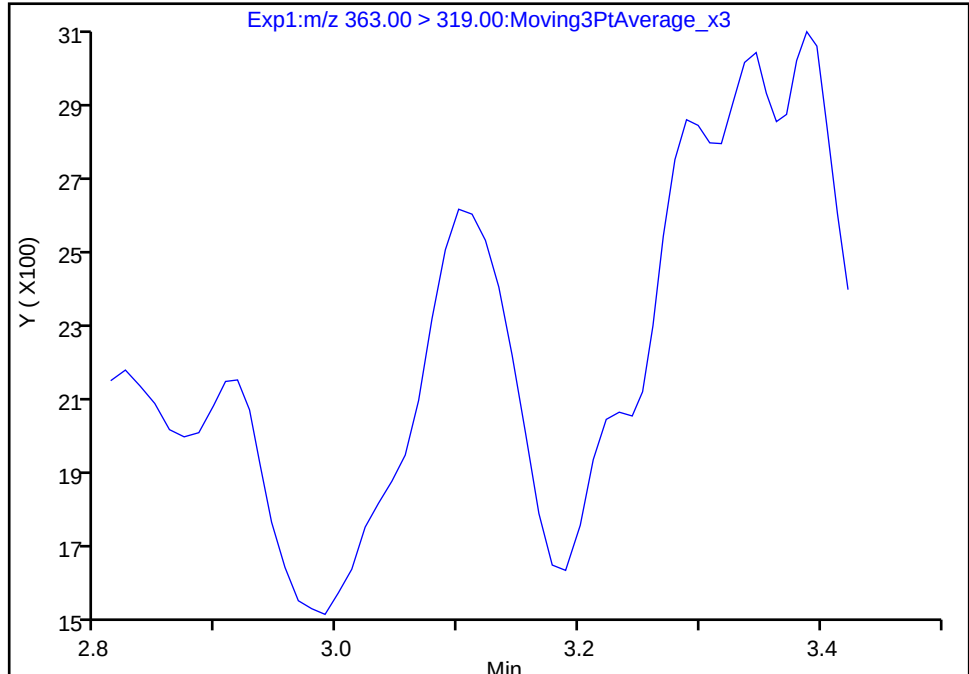
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A13.d				
Injection Date:	30-Nov-2022 10:54:43	Instrument ID:	LC812		
Lims ID:	460-269761-A-4-B	Lab Sample ID:	200-269761-4		
Client ID:	BCS-09-09_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

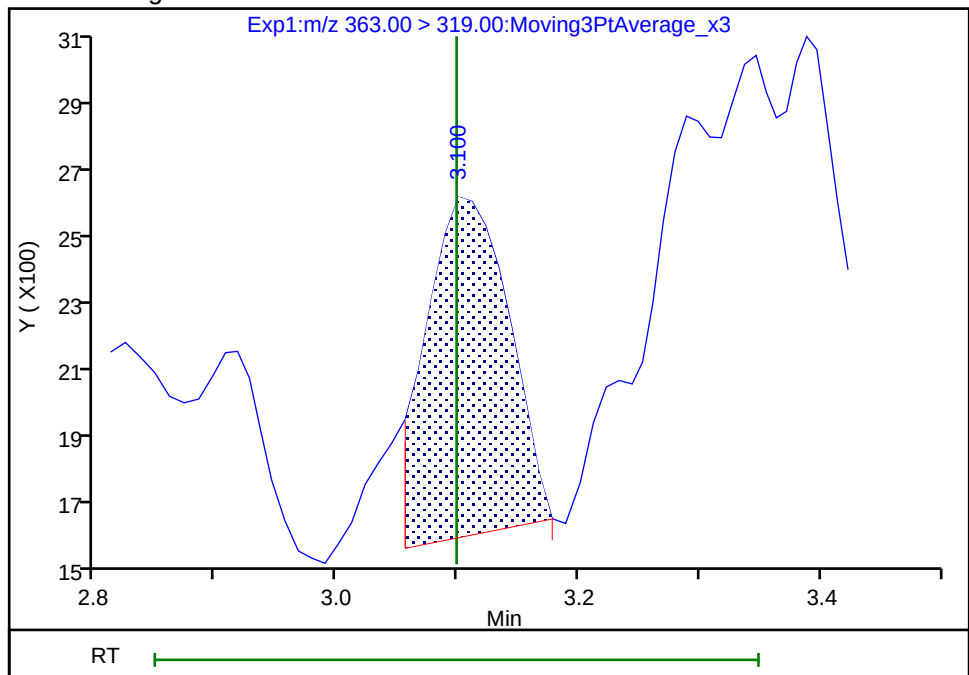
Signal: 1

Not Detected
Expected RT: 3.10

Processing Integration Results



Manual Integration Results



RT: 3.10
Area: 4666
Amount: 0.002956
Amount Units: ng/ml

Reviewer: khanphomeea, 01-Dec-2022 11:16:18

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

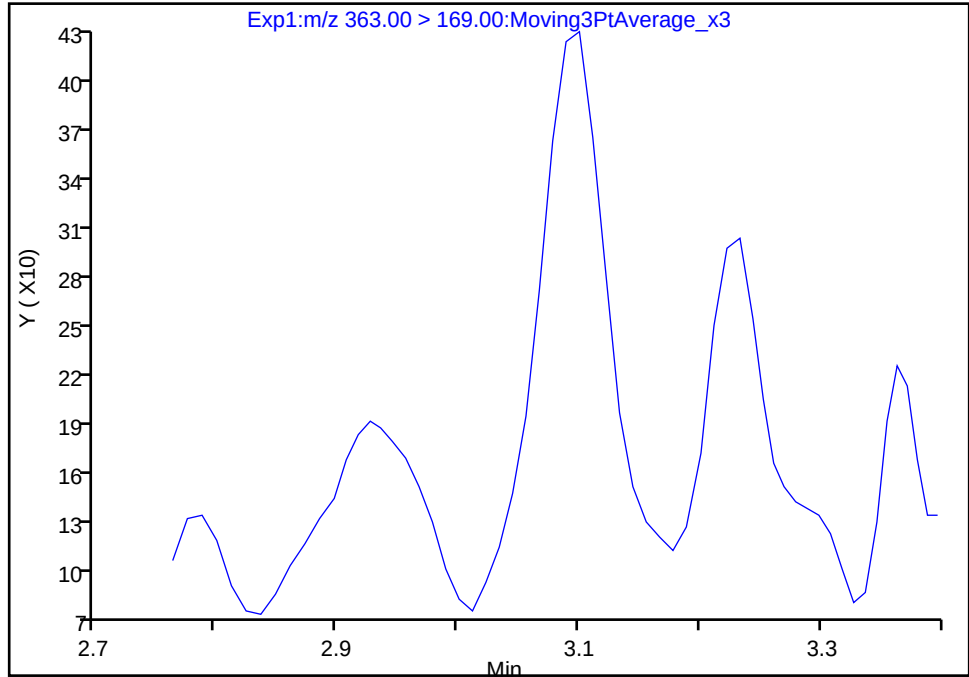
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A13.d
Injection Date: 30-Nov-2022 10:54:43 Instrument ID: LC812
Lims ID: 460-269761-A-4-B Lab Sample ID: 200-269761-4
Client ID: BCS-09-09_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 10 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

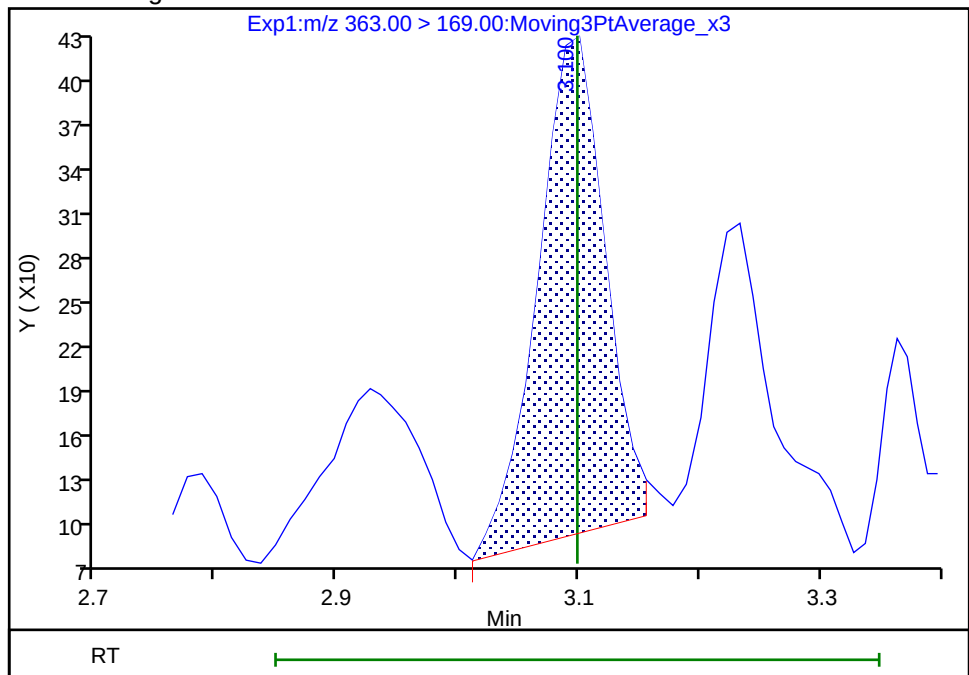
Signal: 2

Not Detected
Expected RT: 3.10

Processing Integration Results



Manual Integration Results



RT: 3.10
Area: 1262
Amount: 0.002956
Amount Units: ng/ml

Reviewer: khanphomeea, 01-Dec-2022 11:16:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

Eurofins Burlington

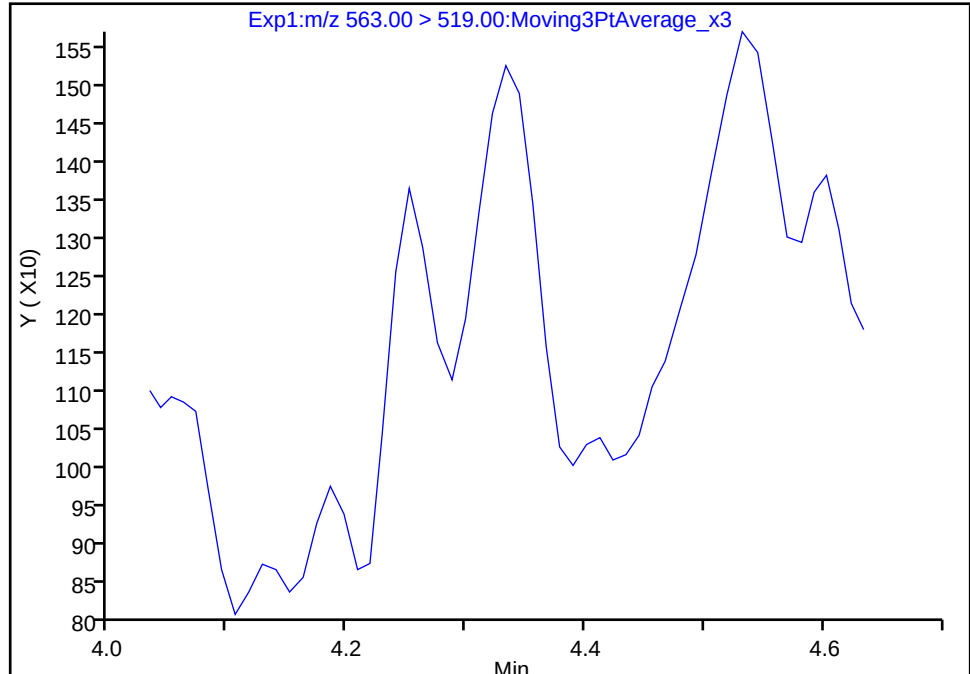
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A13.d				
Injection Date:	30-Nov-2022 10:54:43	Instrument ID:	LC812		
Lims ID:	460-269761-A-4-B	Lab Sample ID:	200-269761-4		
Client ID:	BCS-09-09_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	13
Injection Vol:	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

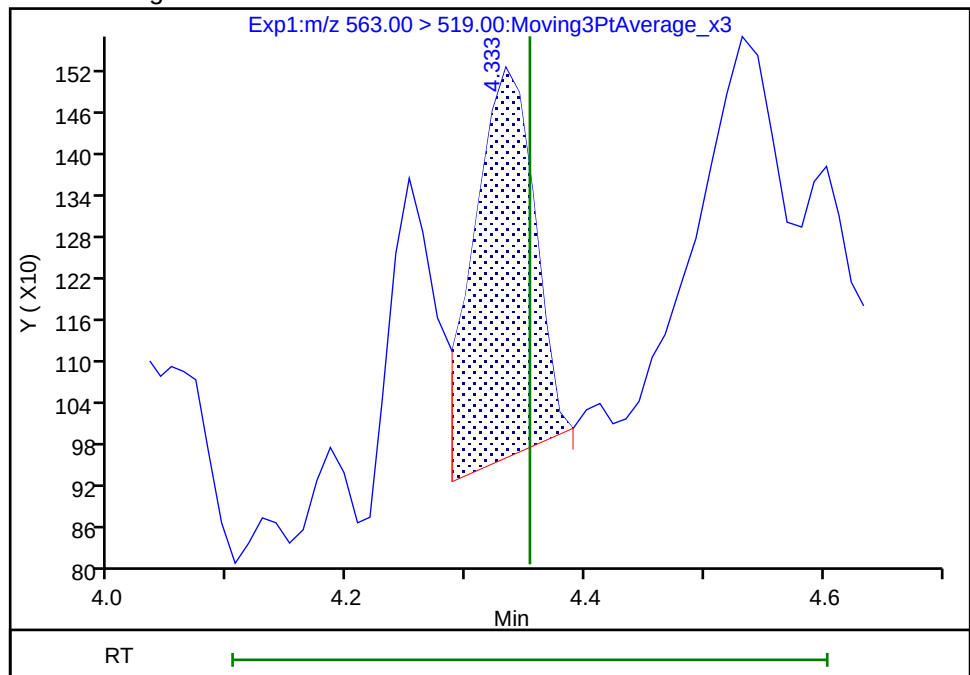
Not Detected
Expected RT: 4.35

Processing Integration Results



RT: 4.33
Area: 1964
Amount: 0.001405
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:17:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

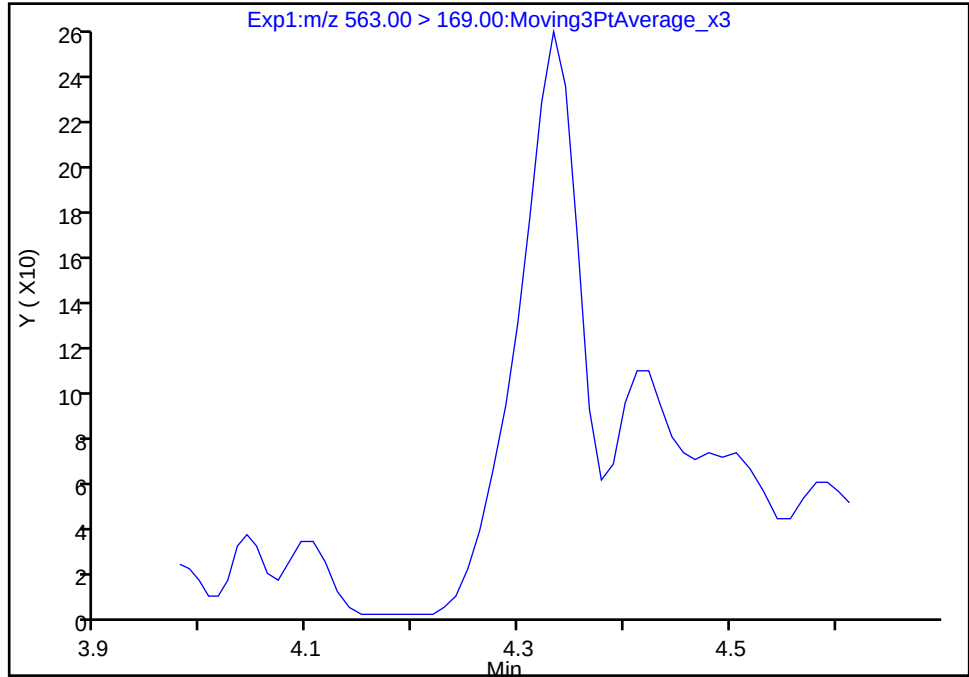
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A13.d
Injection Date: 30-Nov-2022 10:54:43 Instrument ID: LC812
Lims ID: 460-269761-A-4-B Lab Sample ID: 200-269761-4
Client ID: BCS-09-09_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 10 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

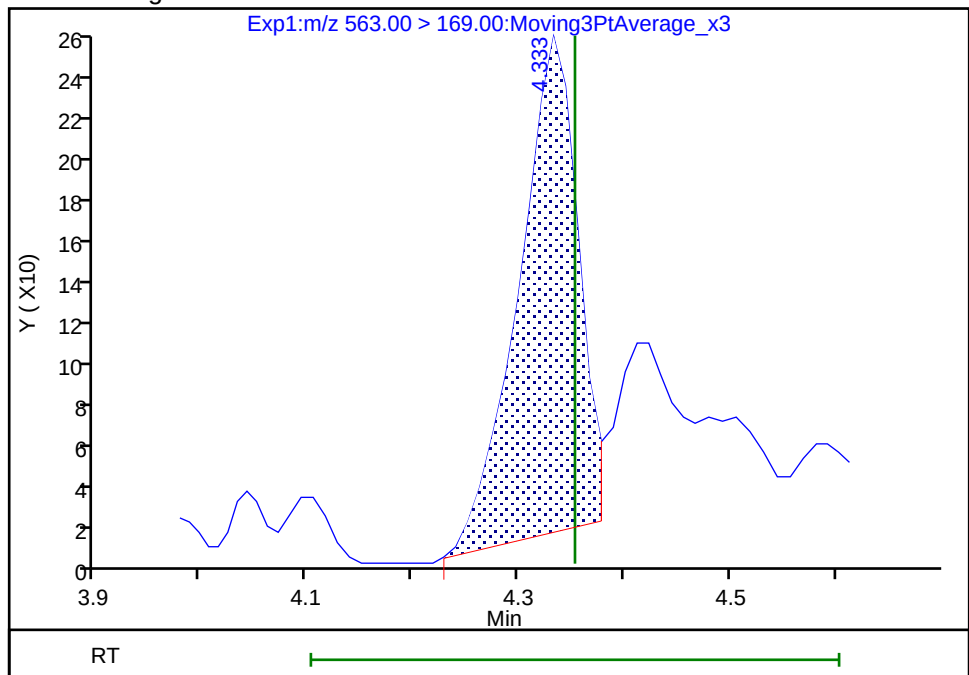
Not Detected
Expected RT: 4.35

Processing Integration Results



Manual Integration Results

RT: 4.33
Area: 931
Amount: 0.001405
Amount Units: ng/ml



Reviewer: khanphomeea, 01-Dec-2022 11:17:34

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

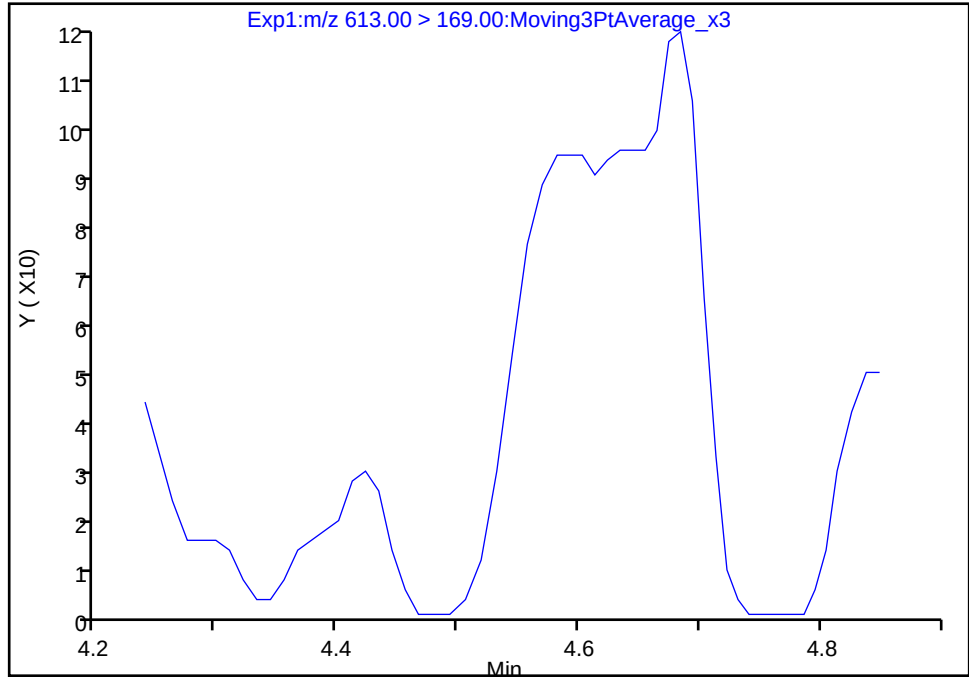
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A13.d
Injection Date: 30-Nov-2022 10:54:43 Instrument ID: LC812
Lims ID: 460-269761-A-4-B Lab Sample ID: 200-269761-4
Client ID: BCS-09-09_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 10 Worklist Smp#: 13
Injection Vol: 20.0 ul 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

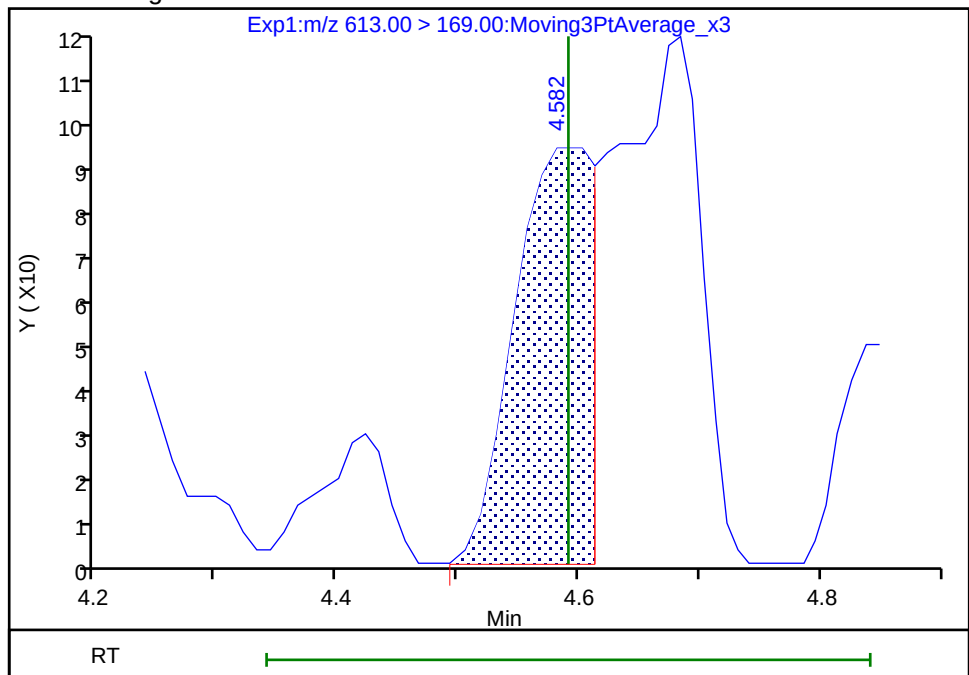
Not Detected
Expected RT: 4.59

Processing Integration Results



Manual Integration Results

RT: 4.58
Area: 401
Amount: 0.003330
Amount Units: ng/ml



Reviewer: khanphomeea, 01-Dec-2022 11:18:03

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

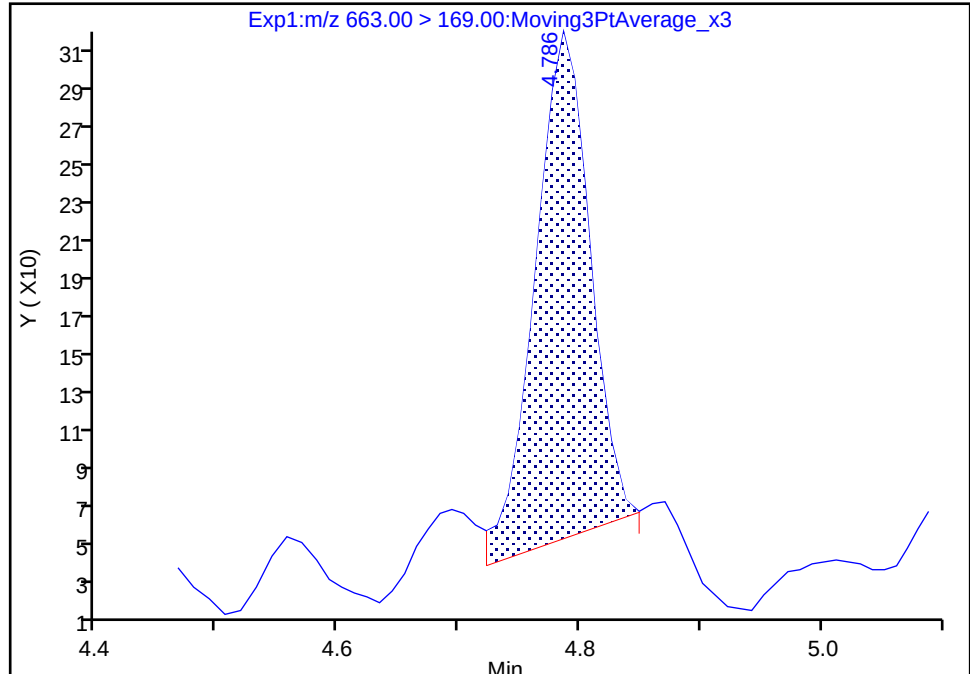
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A13.d				
Injection Date:	30-Nov-2022 10:54:43	Instrument ID:	LC812		
Lims ID:	460-269761-A-4-B	Lab Sample ID:	200-269761-4		
Client ID:	BCS-09-09_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	13
Injection Vol:	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

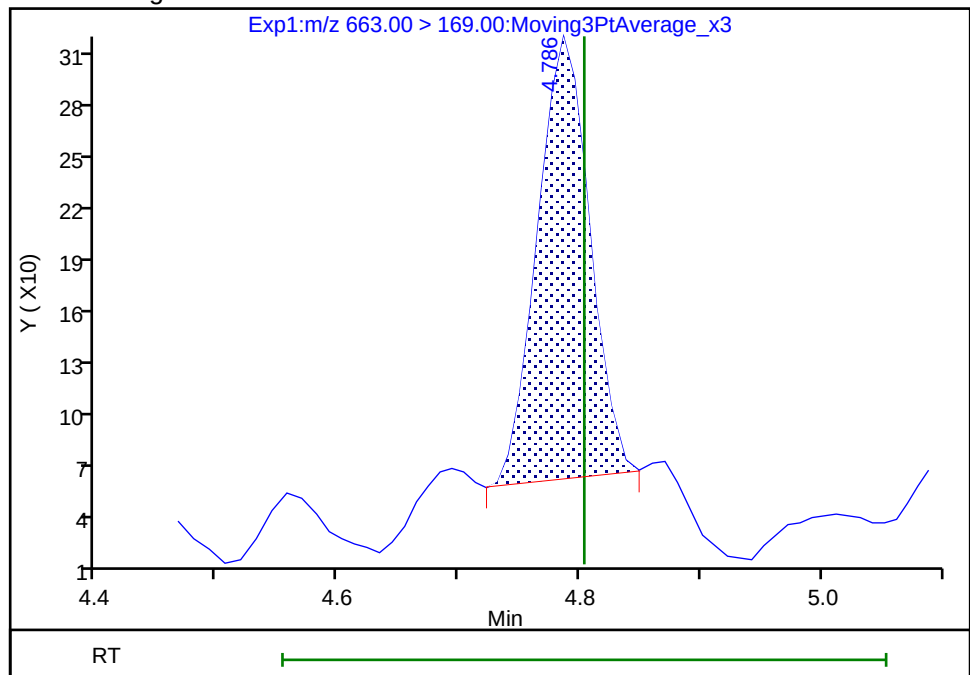
RT: 4.79
Area: 824
Amount: 0.002905
Amount Units: ng/ml

Processing Integration Results



RT: 4.79
Area: 756
Amount: 0.002905
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:18:14

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

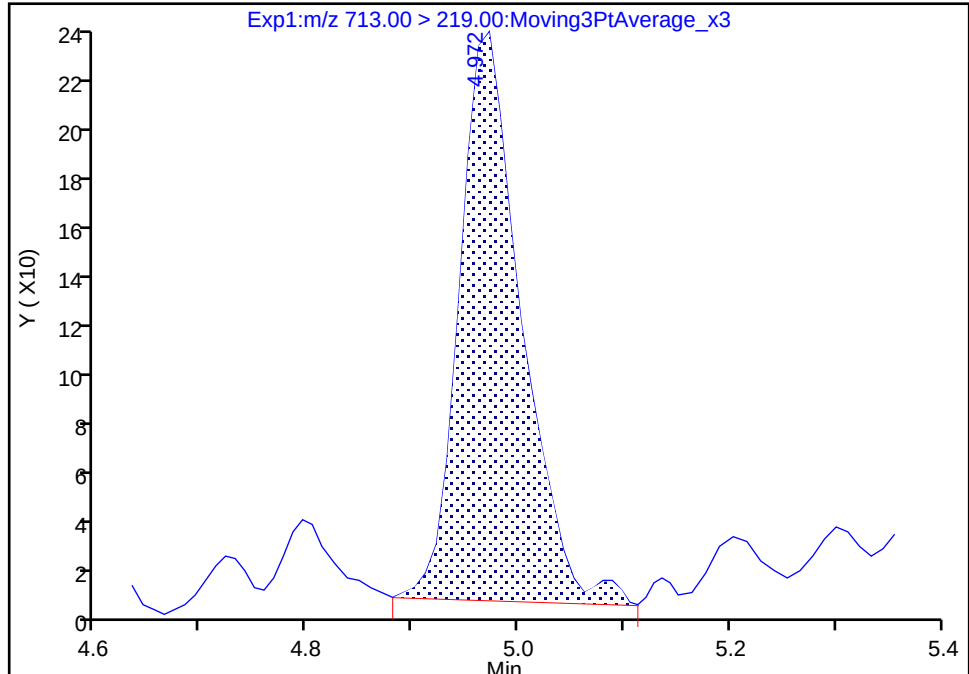
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A13.d
Injection Date: 30-Nov-2022 10:54:43 Instrument ID: LC812
Lims ID: 460-269761-A-4-B Lab Sample ID: 200-269761-4
Client ID: BCS-09-09_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 10 Worklist Smp#: 13
Injection Vol: 20.0 ul 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

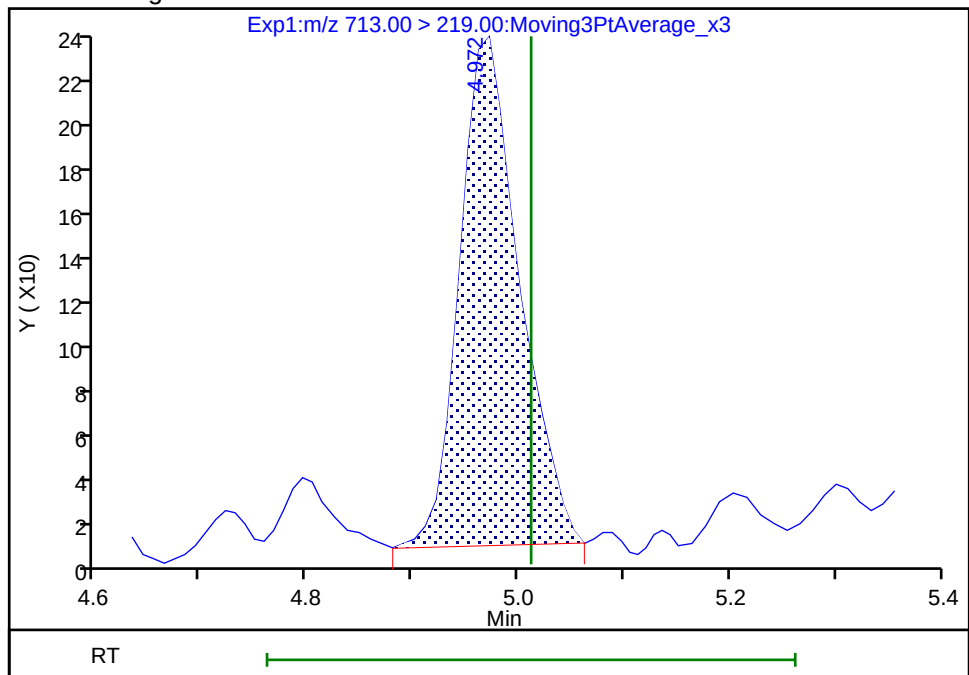
RT: 4.97
Area: 953
Amount: 0.004568
Amount Units: ng/ml

Processing Integration Results



RT: 4.97
Area: 911
Amount: 0.004568
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:18:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

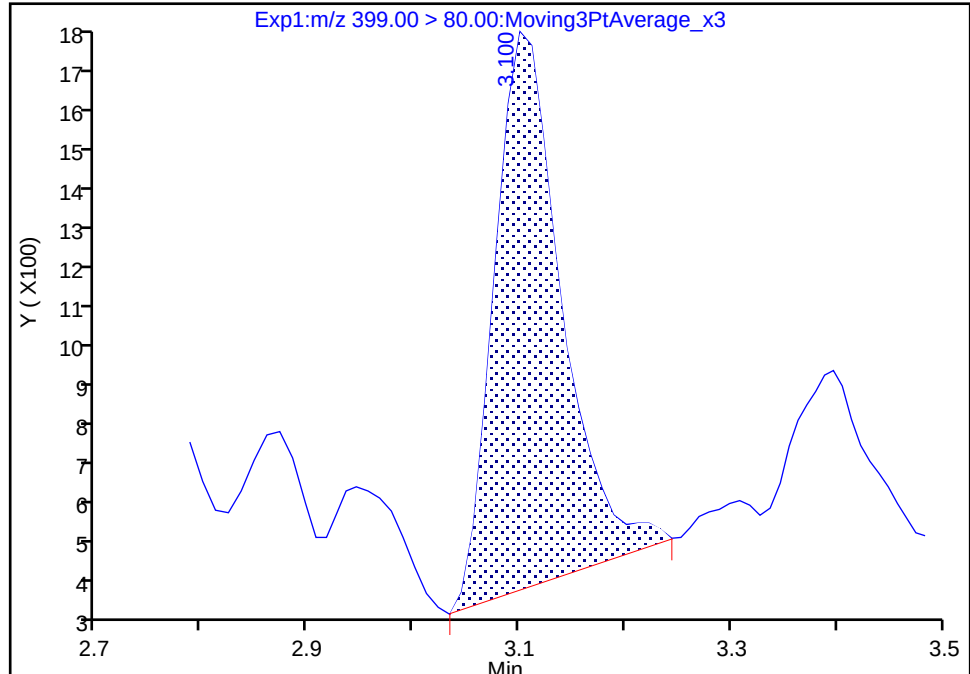
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A13.d				
Injection Date:	30-Nov-2022 10:54:43	Instrument ID:	LC812		
Lims ID:	460-269761-A-4-B	Lab Sample ID:	200-269761-4		
Client ID:	BCS-09-09_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	13
Injection Vol:	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

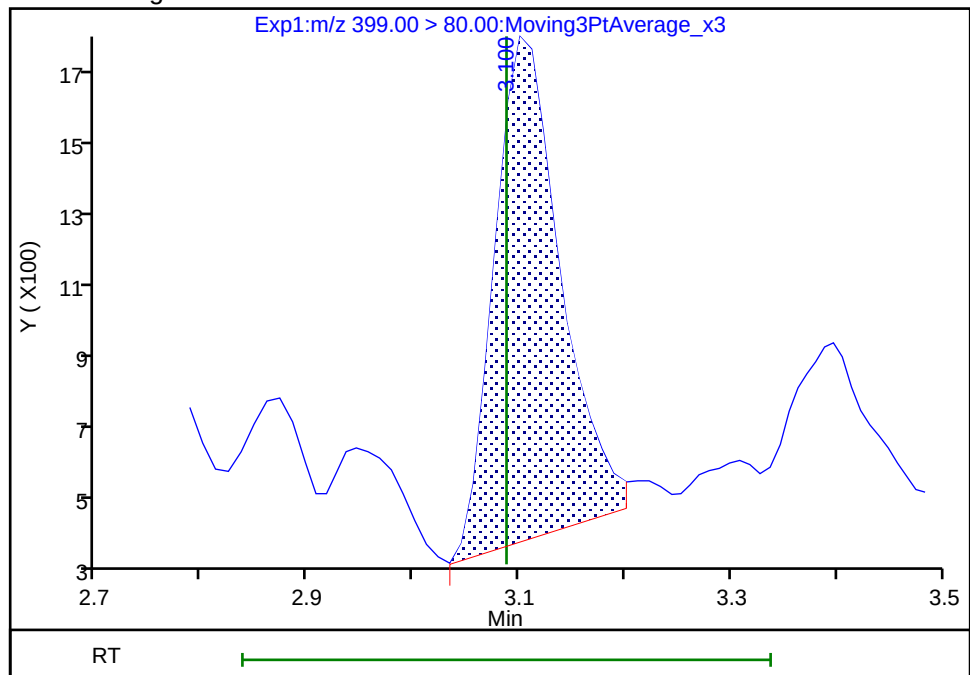
RT: 3.10
Area: 5924
Amount: 0.004923
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 5802
Amount: 0.004821
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:16:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

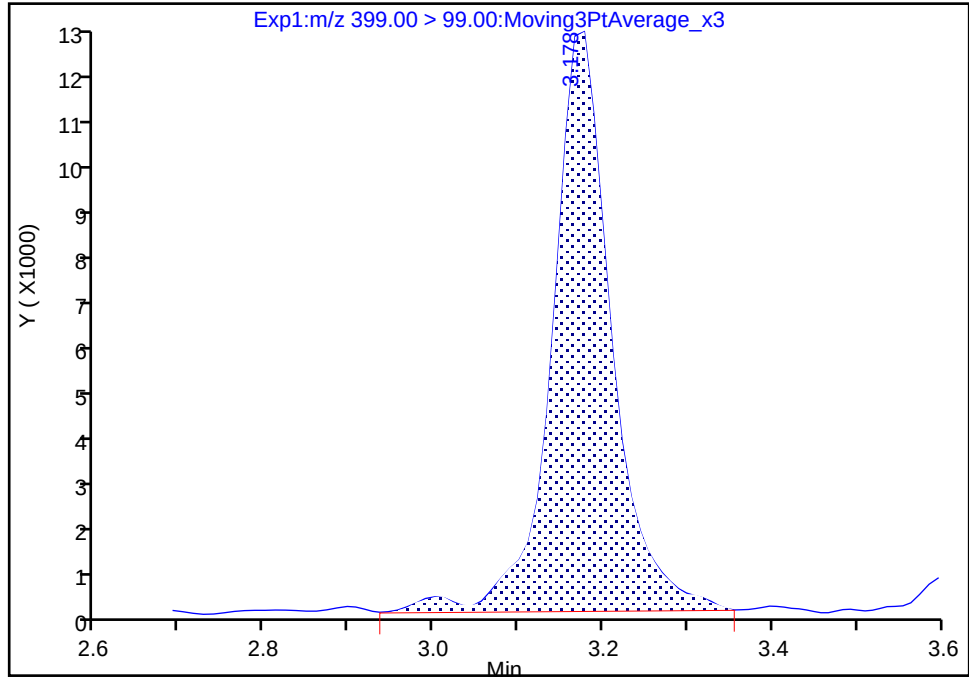
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A13.d
Injection Date: 30-Nov-2022 10:54:43 Instrument ID: LC812
Lims ID: 460-269761-A-4-B Lab Sample ID: 200-269761-4
Client ID: BCS-09-09_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 10 Worklist Smp#: 13
Injection Vol: 20.0 ul 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

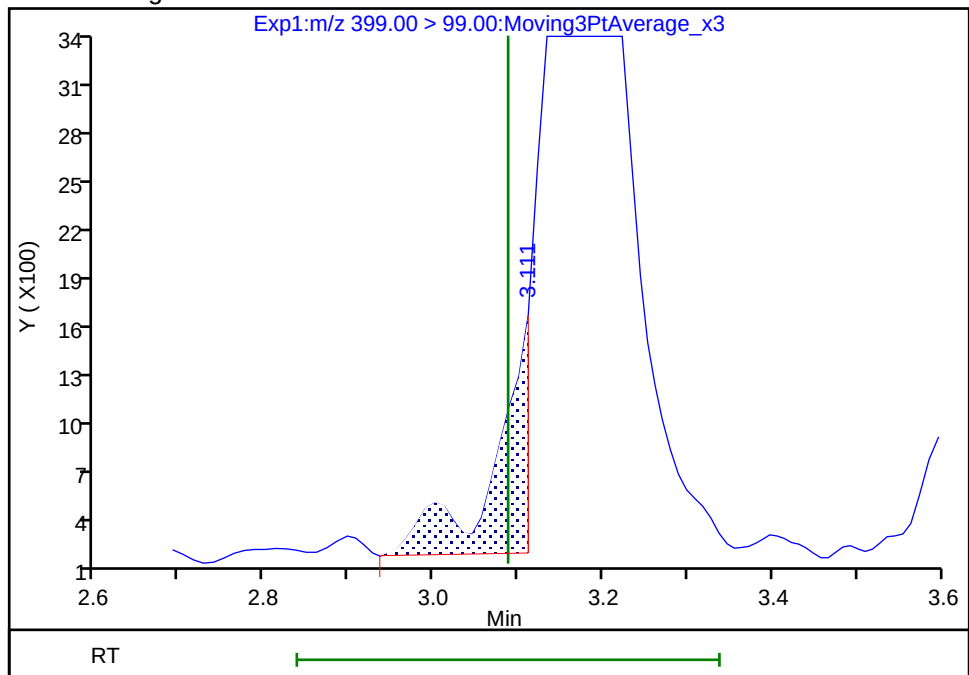
RT: 3.18
Area: 59515
Amount: 0.004923
Amount Units: ng/ml

Processing Integration Results



RT: 3.11
Area: 3792
Amount: 0.004821
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:16:03

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

Eurofins Burlington

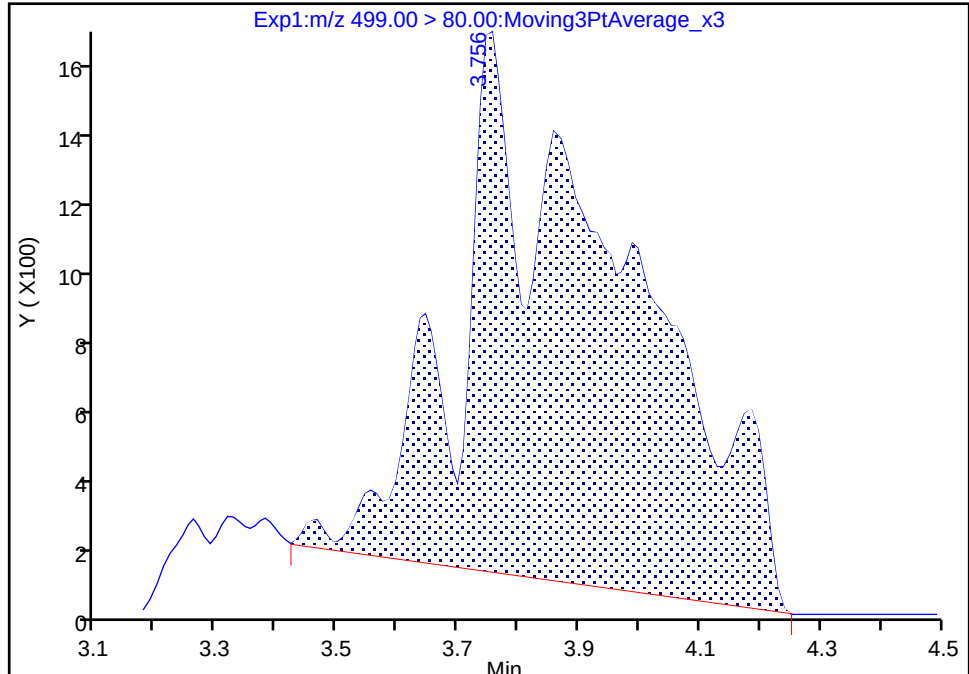
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A13.d
Injection Date: 30-Nov-2022 10:54:43 Instrument ID: LC812
Lims ID: 460-269761-A-4-B Lab Sample ID: 200-269761-4
Client ID: BCS-09-09_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 10 Worklist Smp#: 13
Injection Vol: 20.0 ul 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

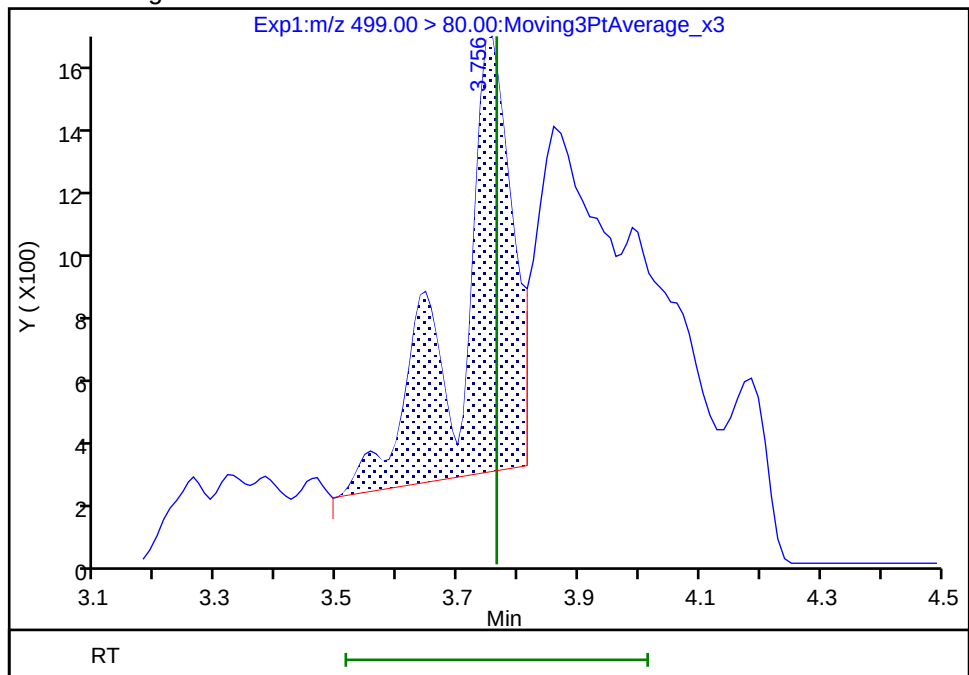
RT: 3.76
Area: 29528
Amount: 0.034181
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 8321
Amount: 0.009632
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:16:36

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

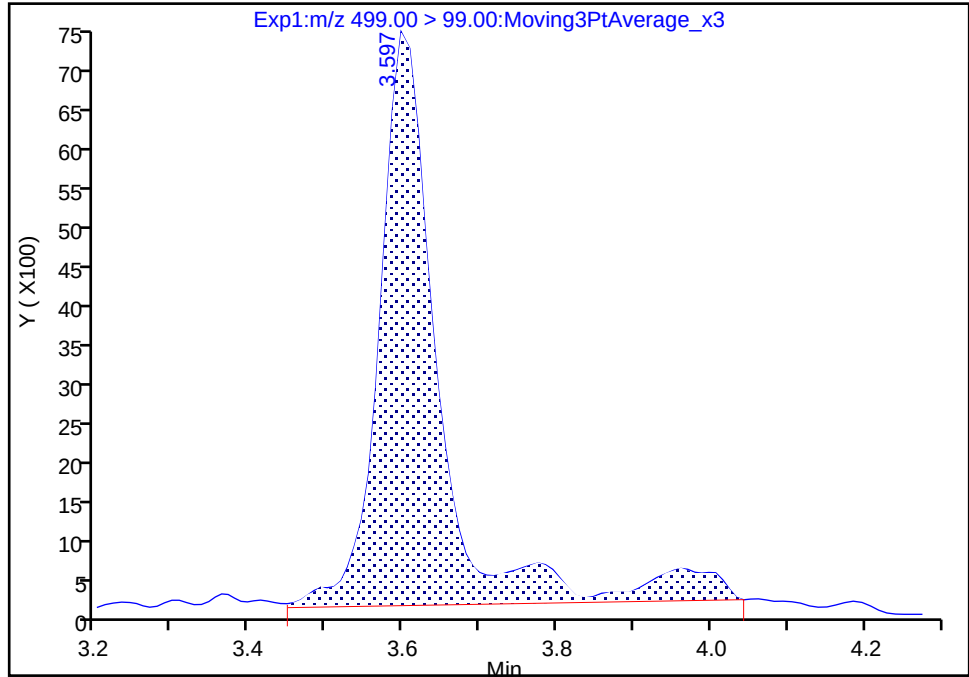
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A13.d
Injection Date: 30-Nov-2022 10:54:43 Instrument ID: LC812
Lims ID: 460-269761-A-4-B Lab Sample ID: 200-269761-4
Client ID: BCS-09-09_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 10 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

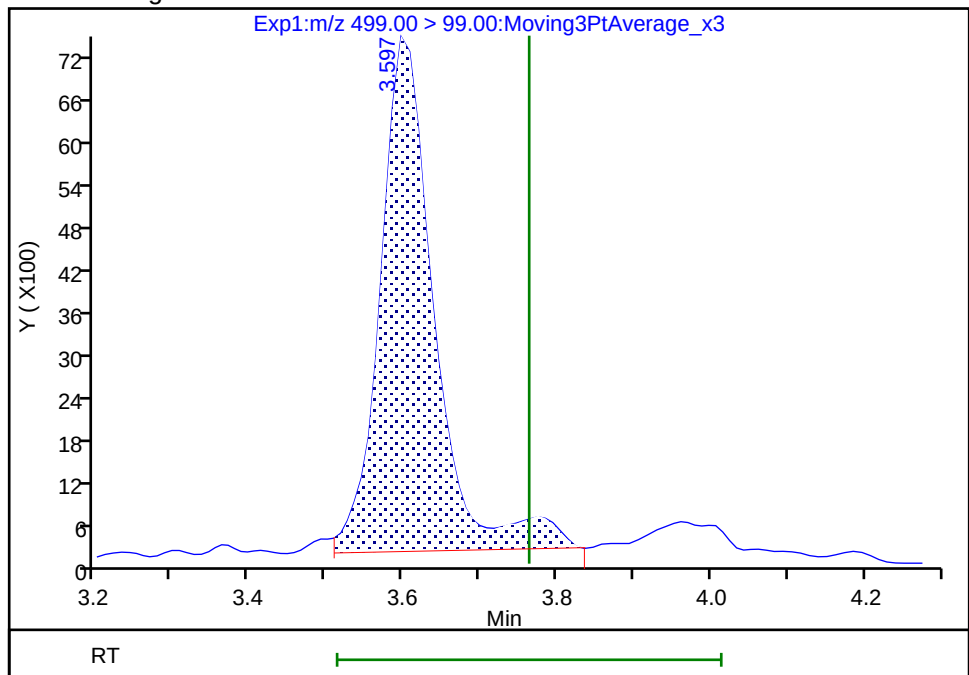
RT: 3.60
Area: 40583
Amount: 0.034181
Amount Units: ng/ml

Processing Integration Results



RT: 3.60
Area: 35797
Amount: 0.009632
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:16:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 158 of 90012/2/2022 2:28
PM

Eurofins Burlington

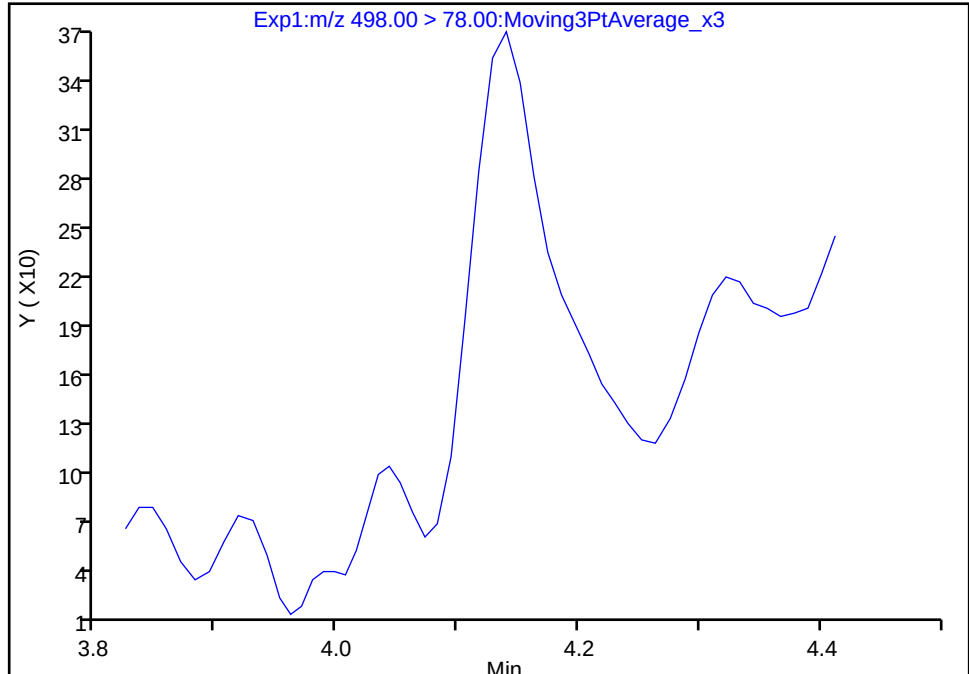
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A13.d				
Injection Date:	30-Nov-2022 10:54:43	Instrument ID:	LC812		
Lims ID:	460-269761-A-4-B	Lab Sample ID:	200-269761-4		
Client ID:	BCS-09-09_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	13
Injection Vol:	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

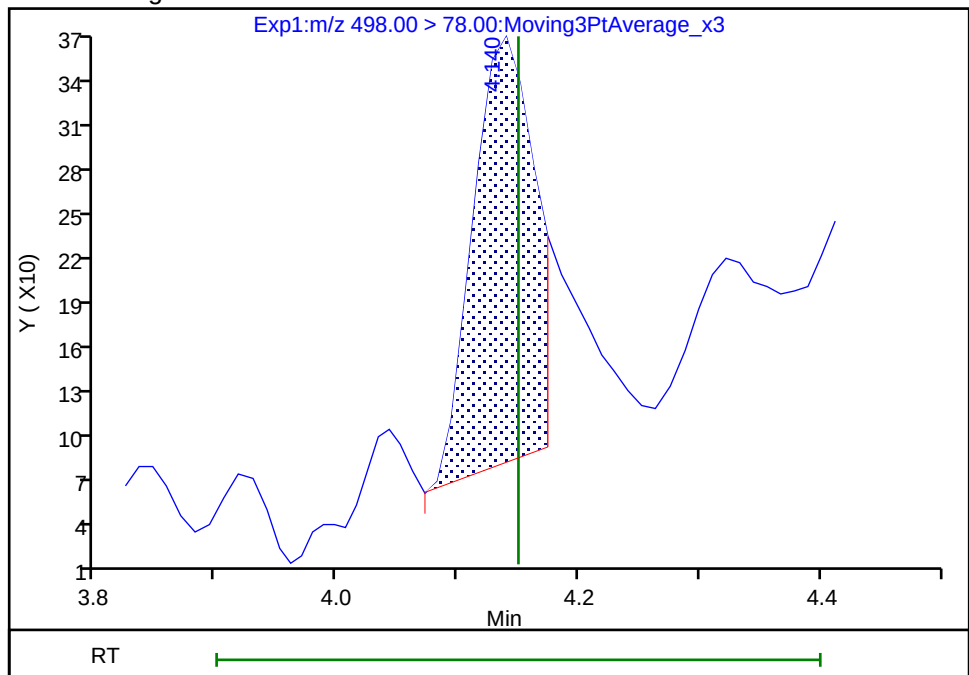
Not Detected
Expected RT: 4.15

Processing Integration Results



Manual Integration Results

RT: 4.14
Area: 996
Amount: 0.000780
Amount Units: ng/ml



Reviewer: khanphomeea, 01-Dec-2022 11:17:09

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A13.d

Injection Date: 30-Nov-2022 10:54:43

Instrument ID: LC812

Lims ID: 460-269761-A-4-B

Lab Sample ID: 200-269761-4

Client ID: BCS-09-09_(0-5.5)P

Operator ID: lc812tech

ALS Bottle#: 10

Worklist Smp#: 13

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

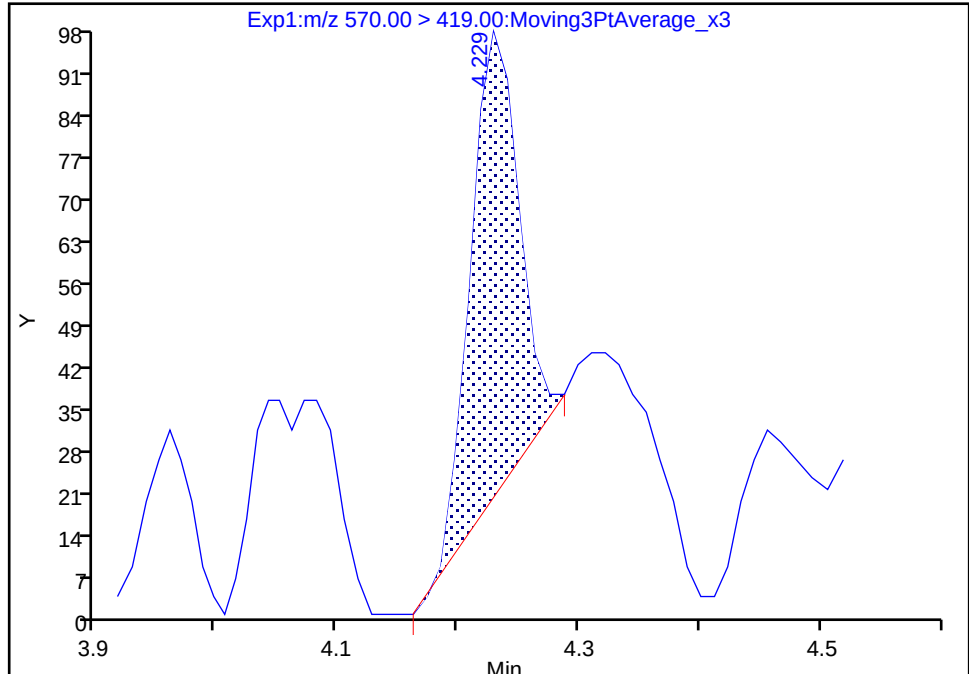
Detector: EXP1

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

Signal: 1

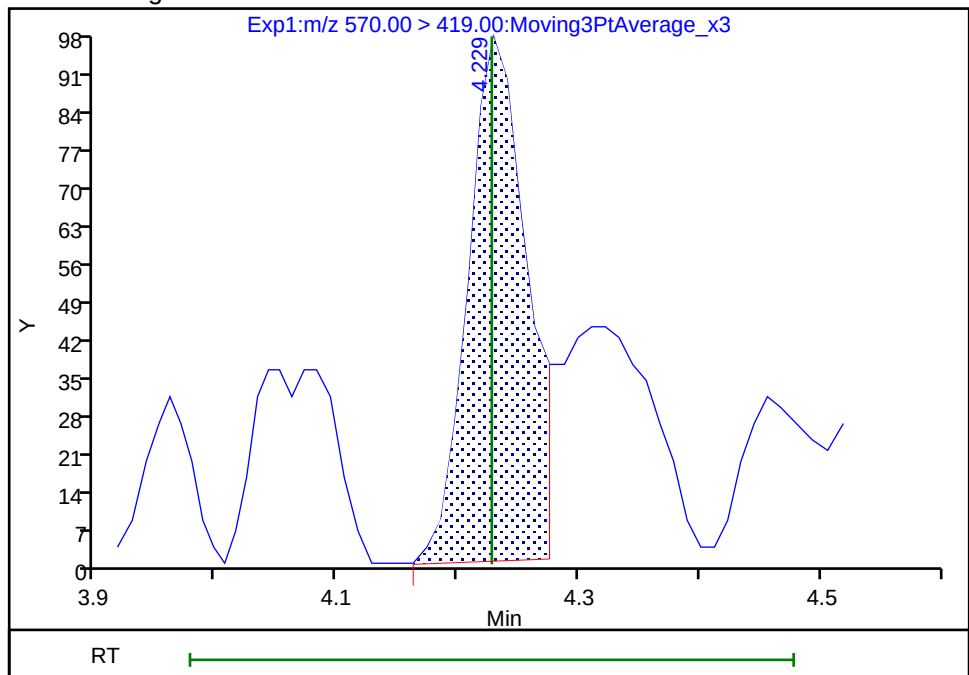
RT: 4.23
Area: 215
Amount: -0.010826
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 323
Amount: -0.010424
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:17:16

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

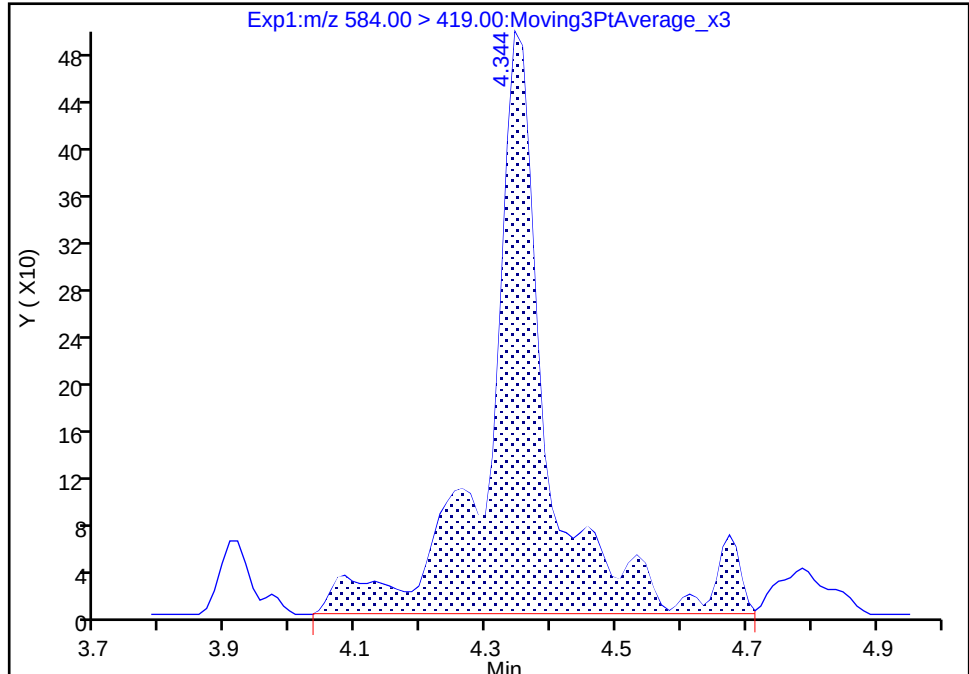
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A13.d				
Injection Date:	30-Nov-2022 10:54:43	Instrument ID:	LC812		
Lims ID:	460-269761-A-4-B	Lab Sample ID:	200-269761-4		
Client ID:	BCS-09-09_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	13
Injection Vol:	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

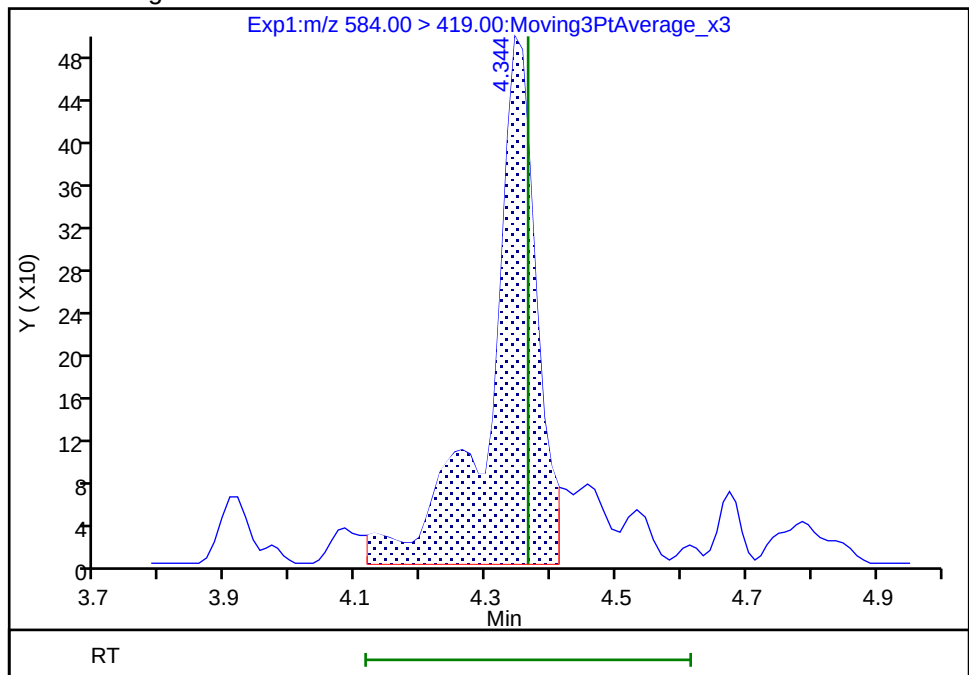
RT: 4.34
Area: 3205
Amount: 0.011351
Amount Units: ng/ml

Processing Integration Results



RT: 4.34
Area: 2435
Amount: 0.008624
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:17:48

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

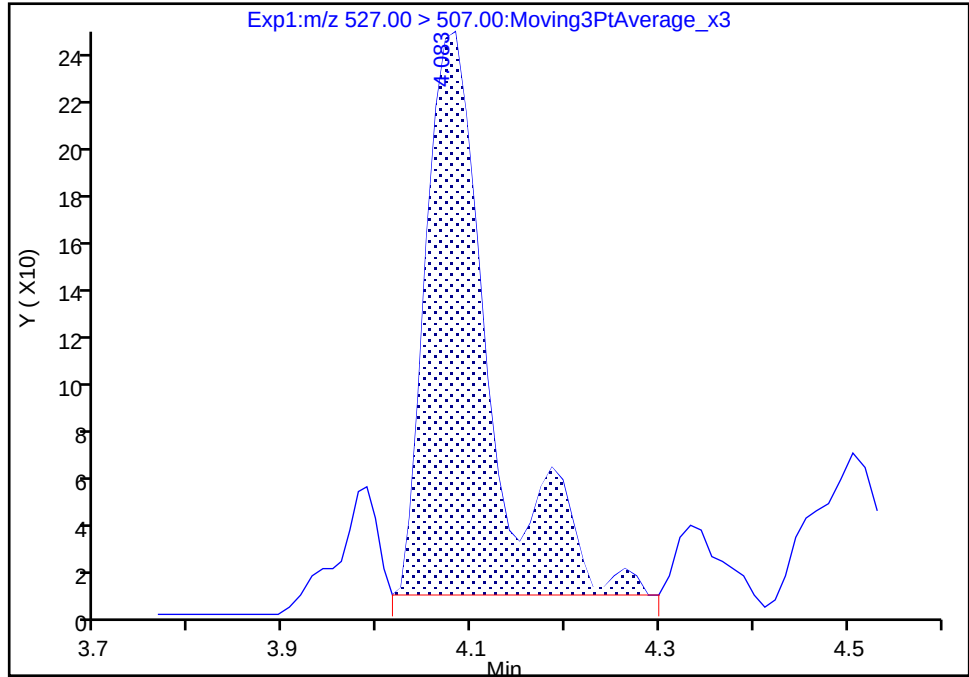
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A13.d
Injection Date: 30-Nov-2022 10:54:43 Instrument ID: LC812
Lims ID: 460-269761-A-4-B Lab Sample ID: 200-269761-4
Client ID: BCS-09-09_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 10 Worklist Smp#: 13
Injection Vol: 20.0 ul 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

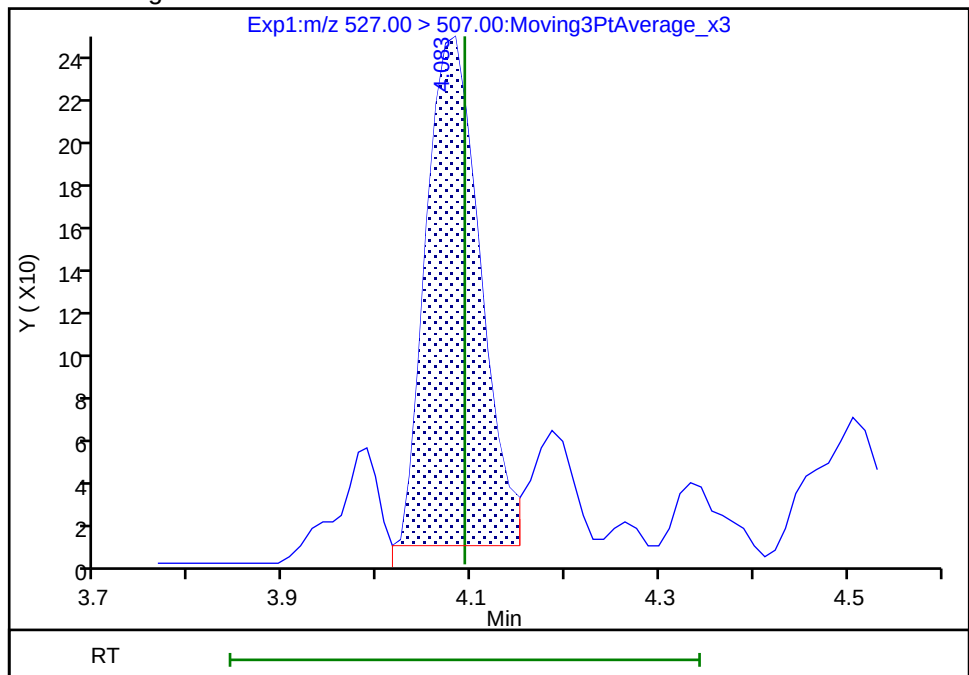
RT: 4.08
Area: 1110
Amount: 0.002693
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 930
Amount: 0.002257
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:17:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-269761-1

SDG No.: _____

Client Sample ID: BCS-09-10_(0-5.5)P Lab Sample ID: 460-269761-5

Matrix: Solid Lab File ID: PA221130A14.d

Analysis Method: 537 (modified) Date Collected: 11/17/2022 14:15

Extraction Method: SHAKE Date Extracted: 11/29/2022 10:30

Sample wt/vol: 5.38 (g) Date Analyzed: 11/30/2022 11:02

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.: 186193 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.63	U	0.63	0.42
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.25	U	0.25	0.070
307-24-4	Perfluorohexanoic acid (PFHxA)	0.059	J	0.25	0.058
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.25	U	0.25	0.050
335-67-1	Perfluorooctanoic acid (PFOA)	0.25	U	0.25	0.074
375-95-1	Perfluorononanoic acid (PFNA)	0.25	U	0.25	0.043
335-76-2	Perfluorodecanoic acid (PFDA)	0.25	U	0.25	0.036
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.25	U	0.25	0.034
307-55-1	Perfluorododecanoic acid (PFDoA)	0.25	U	0.25	0.032
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.25	U	0.25	0.032
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.25	U	0.25	0.033
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.25	U	0.25	0.042
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.25	U	0.25	0.052
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.25	U	0.25	0.029
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.25	U	0.25	0.14
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.25	U	0.25	0.024
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.25	U	0.25	0.043
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.54	U	2.54	0.14
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.54	U	2.54	0.11
27619-97-2	6:2 FTS	2.54	U	2.54	0.072
39108-34-4	8:2 FTS	2.54	U	2.54	0.047

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-269761-1
 SDG No.: _____
 Client Sample ID: BCS-09-10_(0-5.5)P Lab Sample ID: 460-269761-5
 Matrix: Solid Lab File ID: PA221130A14.d
 Analysis Method: 537 (modified) Date Collected: 11/17/2022 14:15
 Extraction Method: SHAKE Date Extracted: 11/29/2022 10:30
 Sample wt/vol: 5.38(g) Date Analyzed: 11/30/2022 11:02
 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.: 186193 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	87		50-150
STL01892	13C4 PFHpA	93		50-150
STL00990	13C4 PFOA	91		50-150
STL00991	13C4 PFOS	87		50-150
STL00995	13C5 PFNA	93		50-150
STL00992	13C4 PFBA	49	*	50-150
STL00993	13C2 PFHxA	92		50-150
STL00996	13C2 PFDA	95		50-150
STL00997	13C2 PFUnA	92		50-150
STL00998	13C2 PFDoA	86		50-150
STL01056	13C8 FOSA	89		50-150
STL01893	13C5 PFPeA	86		50-150
STL02116	13C2 PFTeDA	86		50-150
STL02118	d3-NMeFOSAA	94		50-150
STL02117	d5-NEtFOSAA	94		50-150
STL02279	M2-6:2 FTS	94		50-150
STL02280	M2-8:2 FTS	93		50-150
STL02337	13C3 PFBS	89		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A14.d
 Lims ID: 460-269761-A-5-B
 Client ID: BCS-09-10_(0-5.5)P
 Sample Type: Client
 Inject. Date: 30-Nov-2022 11:02:54 ALS Bottle#: 11 Worklist Smp#: 14
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 460-269761-A-5-B
 Misc. Info.: 200-0053485-014 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 01-Dec-2022 09:50:22 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: CTX1681

First Level Reviewer: khanphomeea

Date: 01-Dec-2022 11:22:48

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	1300611	0.6105		48.8	5201	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.095	2.076	0.019	1.004	50045	0.0466		4.0		M
D 3 13C5 PFPeA										
267.90 > 223.00	2.378	2.387	-0.009	0.692	1751458	1.08		86.4	2748	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.391	2.387	0.004	1.006	17774	0.0116		0.4		M
D 47 13C3 PFBS										
301.90 > 80.00	2.405	2.400	0.005	0.700	1821702	1.03		88.9	200345	
5 Perfluorobutanesulfonic acid										RM
298.90 > 80.00	2.405	2.400	0.005	1.000	4605	0.002569	Target=2.09	3.2		RM
298.90 > 99.00	2.405	2.400	0.005	1.000	1461		3.15(1.04-3.13)	0.5		M
D 7 13C2 PFHxA										
315.00 > 270.00	2.721	2.725	-0.004	0.792	1952334	1.15		91.9	4517	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.721	2.725	-0.004	1.000	39460	0.0232	Target=14.25	5.3		M
313.00 > 119.00	2.733	2.725	0.008	1.004	2743		14.39(7.12-21.37)	3.9		M
D 11 18O2 PFHxS										
403.00 > 84.00	3.083	3.088	-0.005	0.897	1323598	1.03		87.2	3565	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.083	3.088	-0.005	1.000	5576	0.004414	Target=3.66	10.2		M
399.00 > 99.00	3.117	3.088	0.028	1.011	1380		4.04(1.83-5.49)	1.8		M
D 9 13C4 PFHpA										
367.00 > 322.00	3.094	3.099	-0.005	0.901	2027880	1.16		92.8	4207	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.094	3.099	-0.005	1.000	10338	0.005853	Target=3.97	1.3		
363.00 > 169.00	3.083	3.099	-0.016	0.996	3576		2.89(1.98-5.95)	6.8		

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 12 M2-6:2 FTS										
429.00 > 81.00	3.427	3.439	-0.012	0.997	239898	1.11		93.8	448	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.427	3.439	-0.012	1.000	15631	0.0248			16.3	
D 14 13C4 PFOA										
417.00 > 372.00	3.436	3.448	-0.012	1.000	2240506	1.14		91.2	3920	
* 62 13C2 PFOA										
415.00 > 370.00	3.436	3.448	-0.012		2374225	1.25			5765	
15 Perfluorooctanoic acid										RM
413.00 > 369.00	3.445	3.448	-0.003	1.003	30692	0.0160	Target=2.79	1.7		RM
413.00 > 169.00	3.436	3.448	-0.012	1.000	6572		4.67(1.40-4.19)	7.6		M
D 18 13C4 PFOS										
503.00 > 80.00	3.751	3.764	-0.013	1.092	905997	1.04		87.0	2273	
17 Perfluorooctanesulfonic acid										RM
499.00 > 80.00	3.751	3.764	-0.013	1.000	7622	0.008267	Target=5.11	4.2		RM
499.00 > 99.00	3.604	3.764	-0.160	0.961	4155		1.83(2.55-7.66)	5.7		M
D 19 13C5 PFNA										
468.00 > 423.00	3.770	3.783	-0.013	1.097	2221068	1.16		93.0	4863	
D 23 13C2 PFDA										
515.00 > 470.00	4.070	4.081	-0.011	1.185	2317287	1.19		95.2	6989	
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.070	4.081	-0.011	1.000	3801	0.001891	Target=10.26	0.9		M
513.00 > 169.00	4.081	4.081	0.0	1.003	469		8.10(5.13-15.38)	1.3		
D 26 M2-8:2 FTS										
529.00 > 81.00	4.081	4.093	-0.012	1.188	292521	1.11		92.7	625	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.070	4.093	-0.023	0.997	327	0.000828			3.6	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.138	4.150	-0.012	1.000	614	0.000415			2.9	M
D 21 13C8 FOSA										
506.00 > 78.00	4.138	4.150	-0.012	1.204	1771485	1.11		88.8	2686	
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.206	4.228	-0.022	1.224	468174	1.18		94.5	1434	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.217	4.228	-0.011	1.002	659	-0.009582			2.3	
29 Perfluorodecanesulfonic acid										RM
599.00 > 80.00	4.296	4.331	-0.035	1.145	886	0.001612	Target=2.51	4.3		RM
599.00 > 99.00	4.296	4.331	-0.035	1.145	1035		0.86(1.25-3.76)	7.7		M
D 30 13C2 PFUnA										
565.00 > 520.00	4.341	4.353	-0.012	1.264	2044776	1.15		91.8	5120	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.341	4.365	-0.024	1.000	461	0.001407			3.7	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.341	4.365	-0.024	1.264	457593	1.17		93.8	1247	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.567	4.591	-0.024	1.000	2871	0.001725	Target=7.77	0.4		
613.00 > 169.00	4.555	4.591	-0.036	0.997	273		10.52(3.89-11.66)	3.3		M

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

D 36 13C2 PFDaA

615.00 > 570.00	4.567	4.591	-0.024	1.329	1963594	1.08		86.5	3491	

41 Perfluorotridecanoic acid

RM

663.00 > 619.00	4.785	4.804	-0.019	1.048	1532	0.000963	Target=5.21		0.2	RM

663.00 > 169.00	4.785	4.804	-0.019	1.048	166		9.23(2.60-7.81)		1.7	M

42 Perfluorotetradecanoic acid

RM

713.00 > 169.00	4.991	5.012	-0.021	1.002	489	0.002635	Target=0.89		7.0	RM

713.00 > 219.00	4.991	5.012	-0.021	1.002	339		1.44(0.44-1.33)		6.6	M

D 43 13C2 PFTeDA

715.00 > 670.00	4.981	5.012	-0.031	1.450	1694493	1.08		86.3	5309	

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A14.d

Injection Date: 30-Nov-2022 11:02:54

Instrument ID: LC812

Lims ID: 460-269761-A-5-B

Lab Sample ID: 200-269761-5

Client ID: BCS-09-10_(0-5.5)P

Operator ID: lc812tech

ALS Bottle#: 11

Worklist Smp#: 14

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

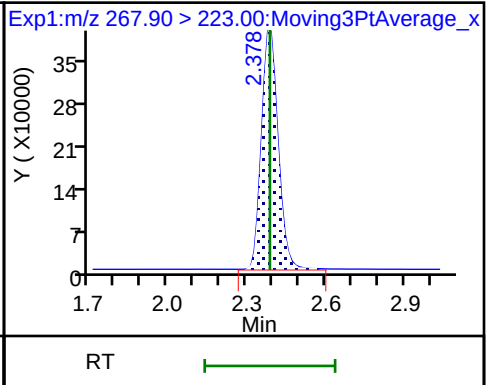
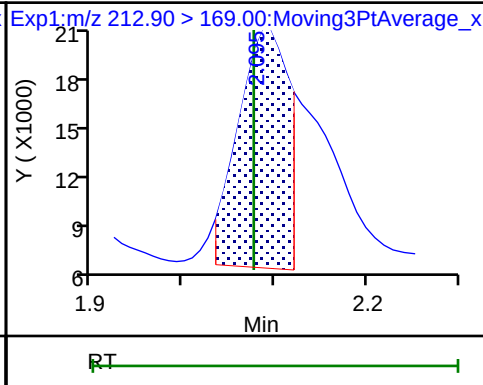
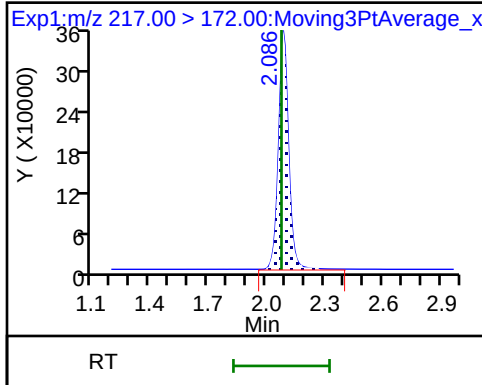
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

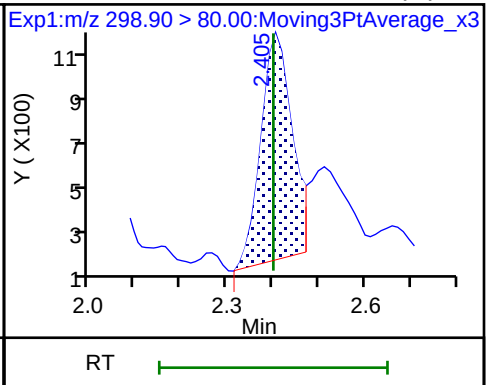
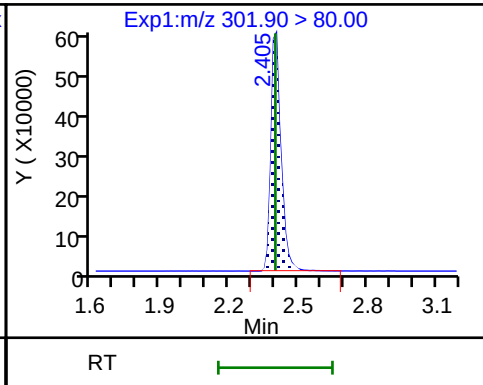
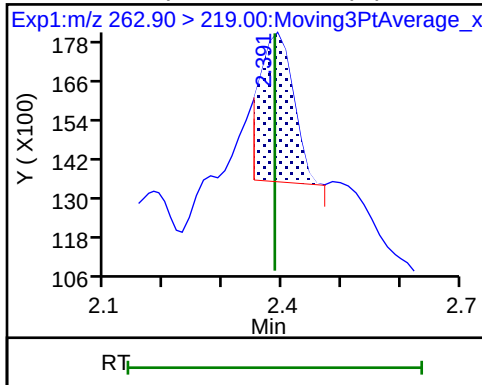
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS

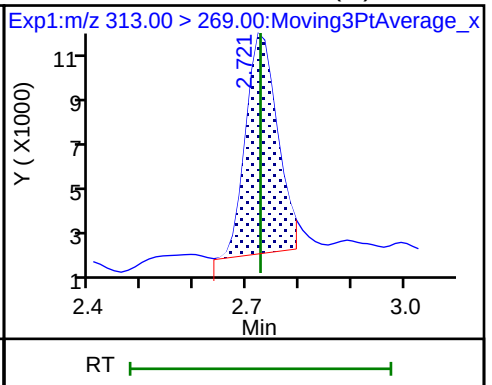
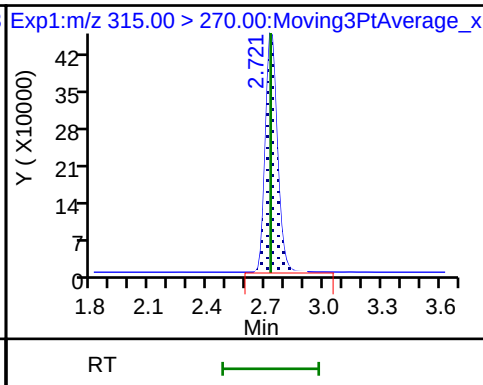
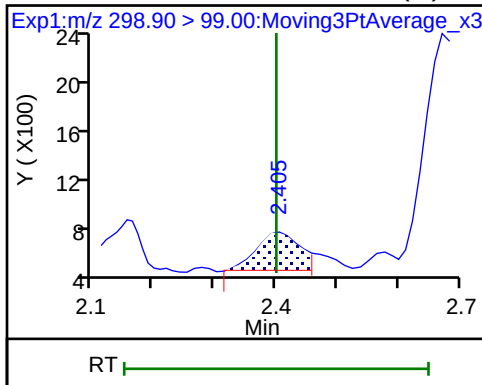
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

D 7 13C2 PFHxA

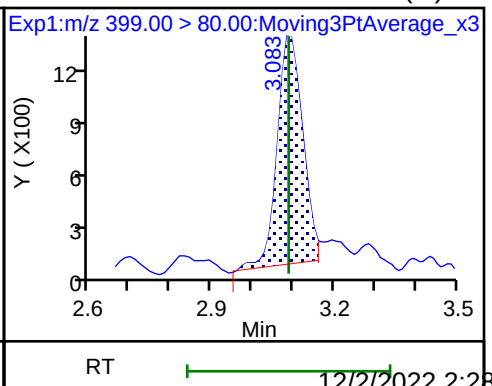
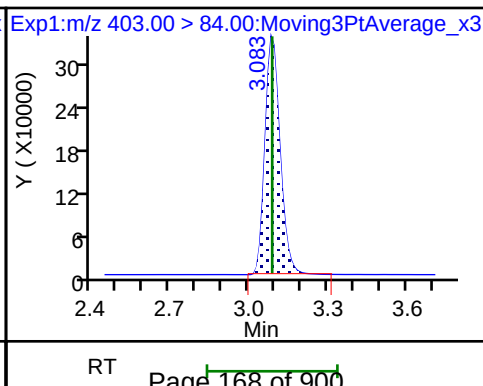
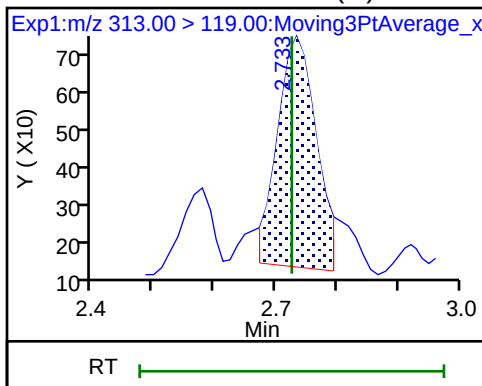
6 Perfluorohexanoic acid (M)

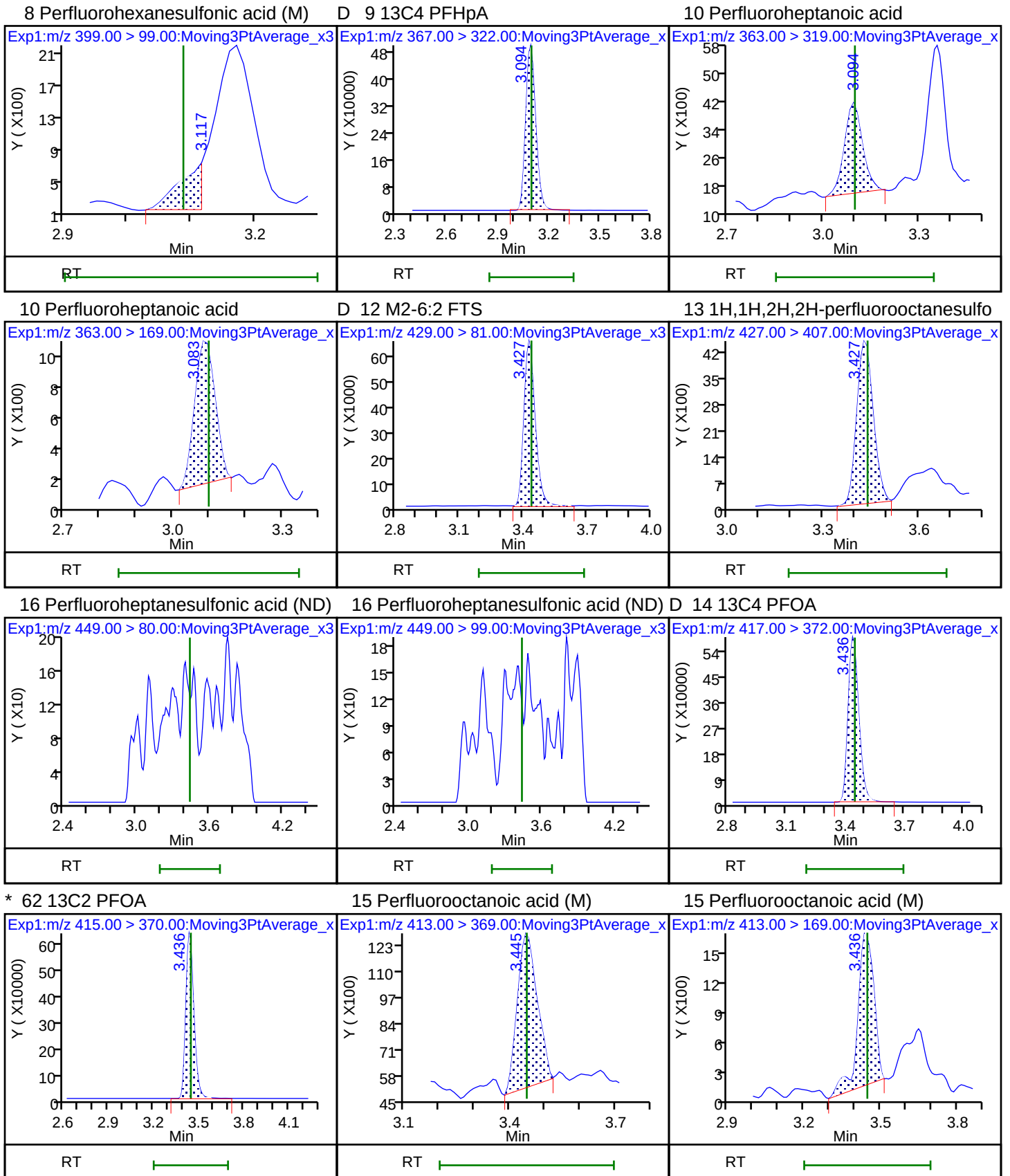


6 Perfluorohexanoic acid (M)

D 11 18O2 PFHxS

8 Perfluorohexanesulfonic acid (M)

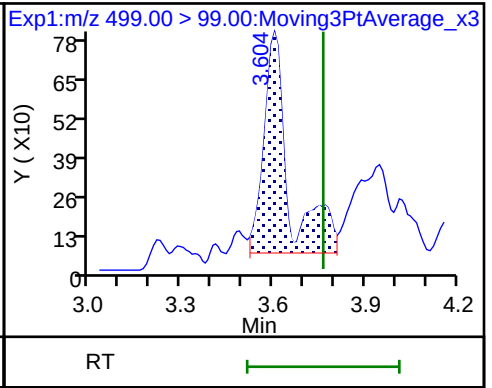
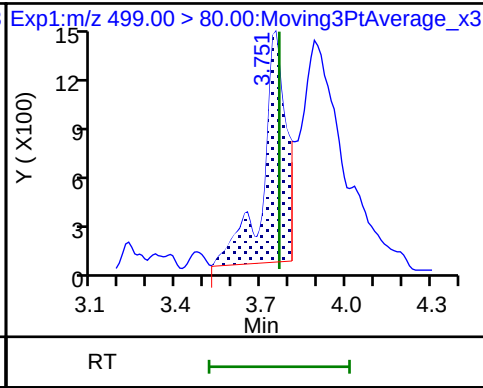
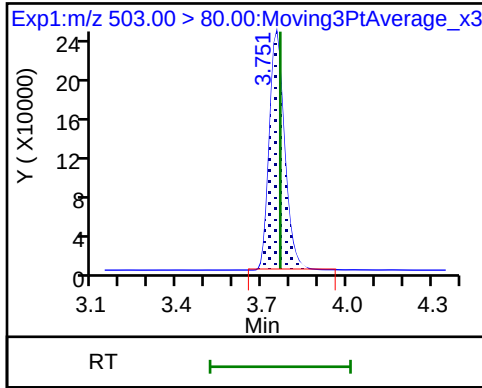




D 18 13C4 PFOS

17 Perfluorooctanesulfonic acid (M)

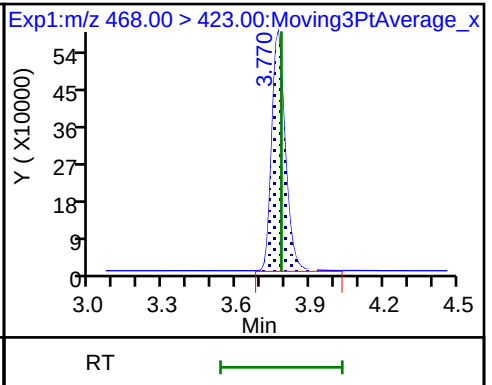
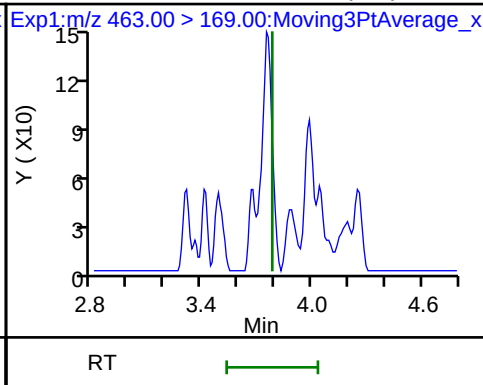
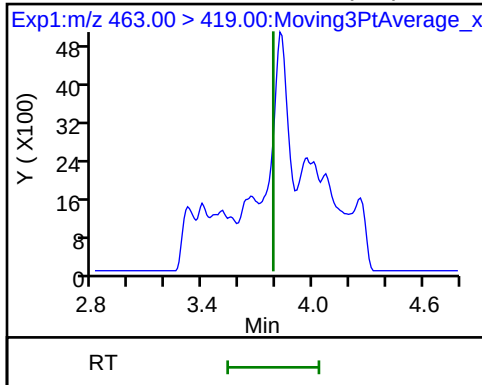
17 Perfluorooctanesulfonic acid (M)



20 Perfluorononanoic acid (ND)

20 Perfluorononanoic acid (ND)

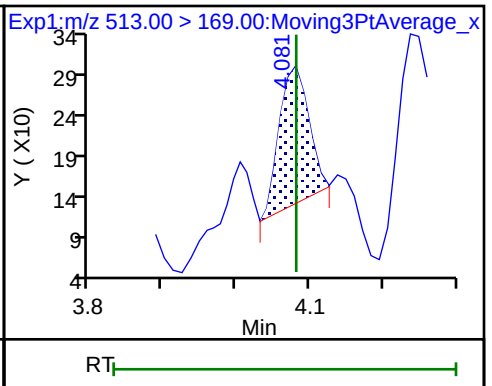
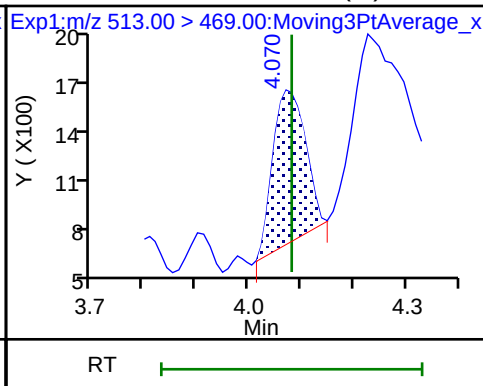
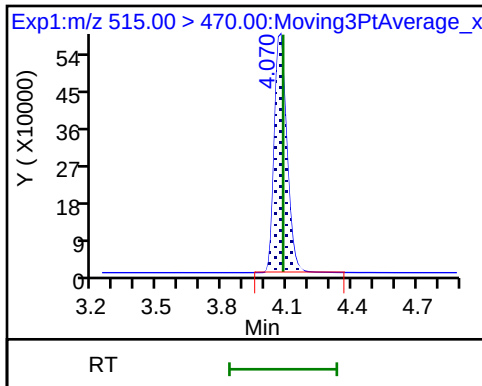
D 19 13C5 PFNA



D 23 13C2 PFDA

24 Perfluorodecanoic acid (M)

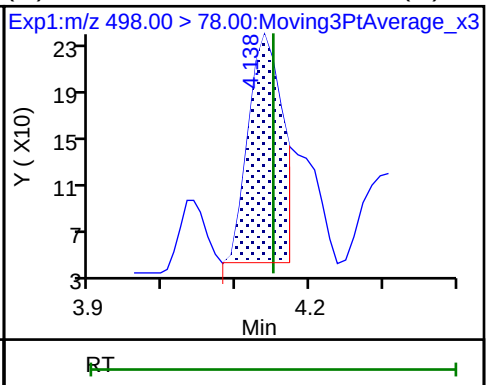
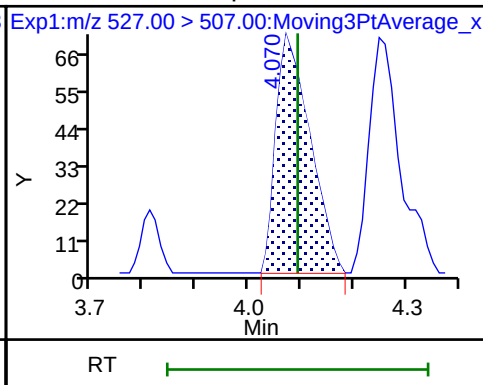
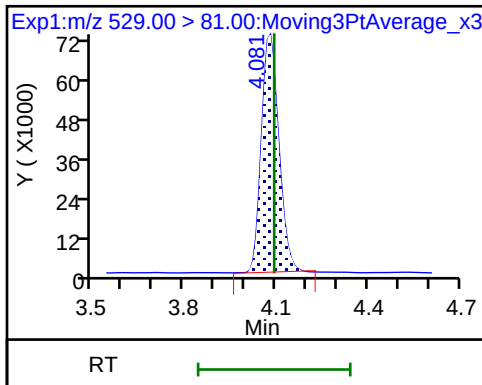
24 Perfluorodecanoic acid



D 26 M2-8:2 FTS

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

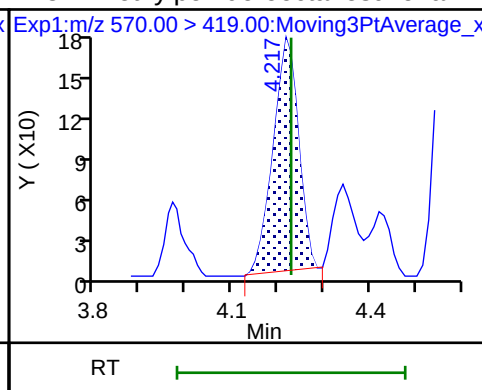
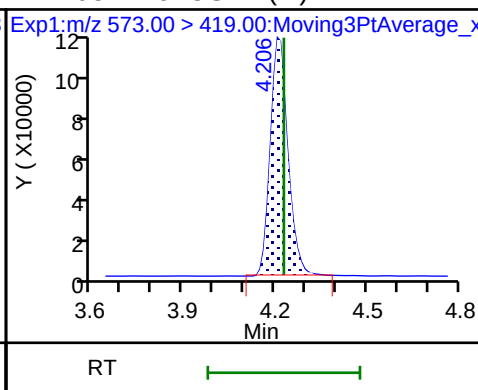
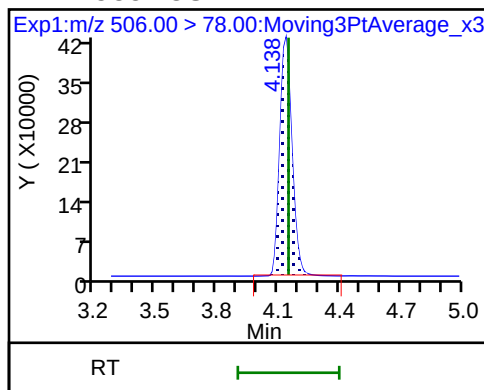
22 Perfluorooctanesulfonamide (M)



D 21 13C8 FOSA

D 27 d3-NMeFOSAA (M)

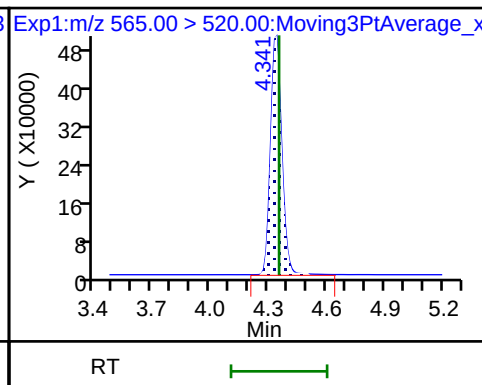
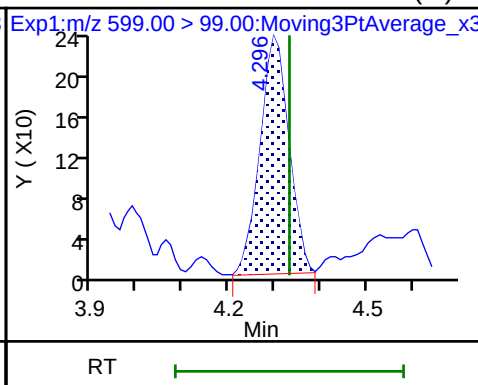
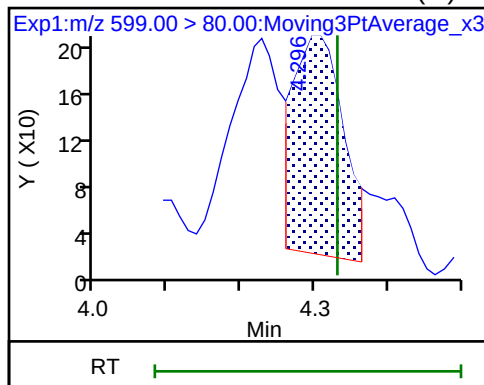
28 N-methylperfluorooctanesulfonami



29 Perfluorodecanesulfonic acid (M)

29 Perfluorodecanesulfonic acid (M)

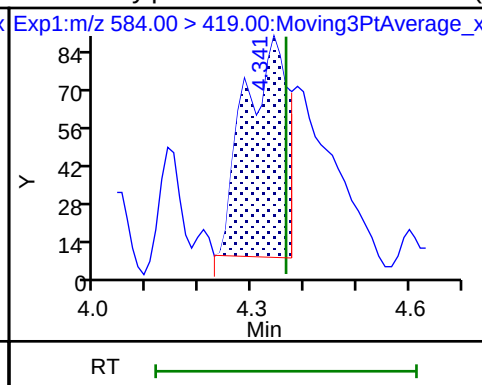
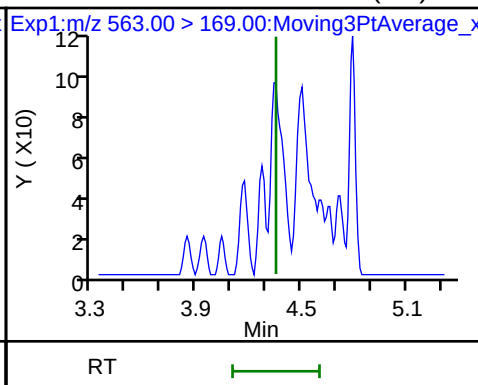
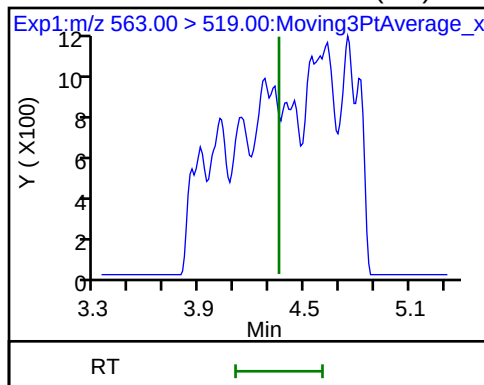
D 30 13C2 PFUnA



31 Perfluoroundecanoic acid (ND)

31 Perfluoroundecanoic acid (ND)

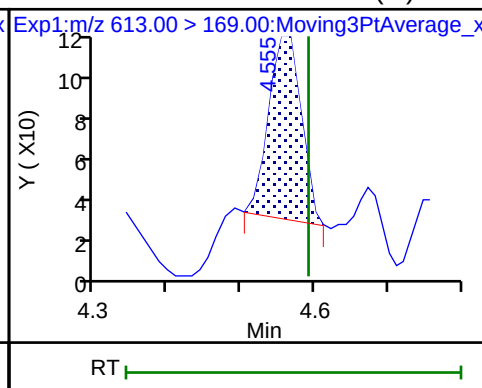
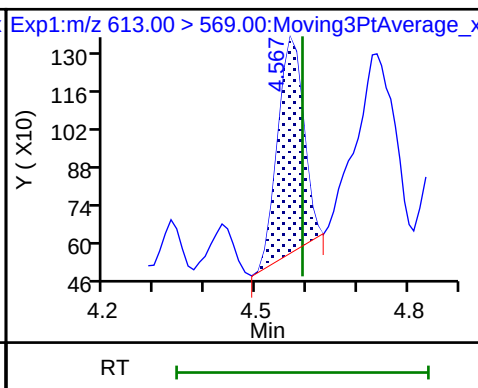
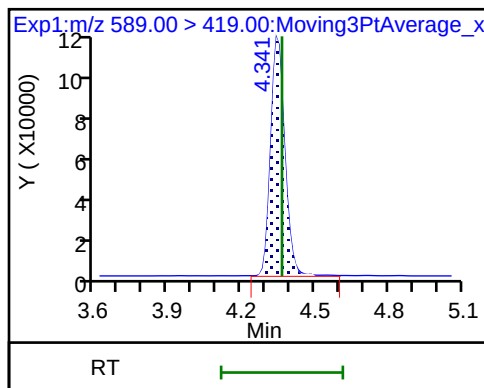
33 N-ethylperfluorooctanesulfonamid (M)



D 32 d5-NEtFOSAA

37 Perfluorododecanoic acid

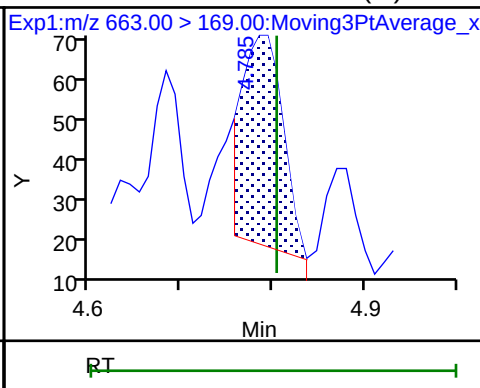
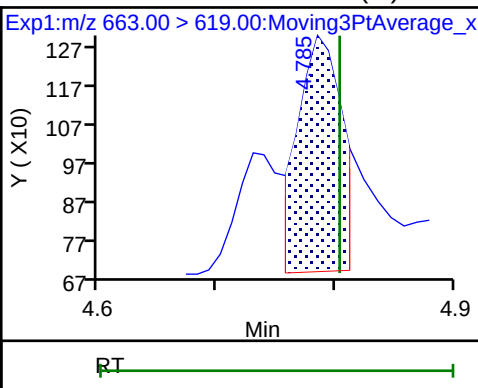
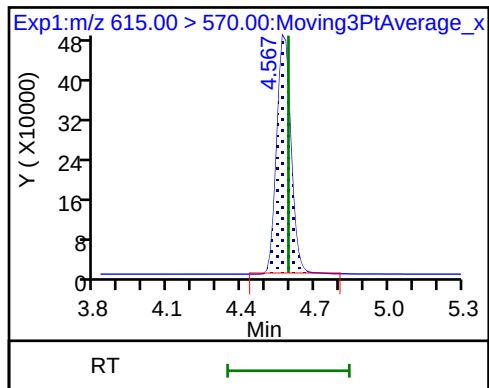
37 Perfluorododecanoic acid (M)



D 36 13C2 PFDaA

41 Perfluorotridecanoic acid (M)

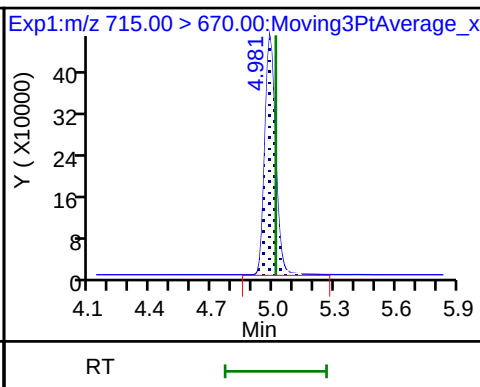
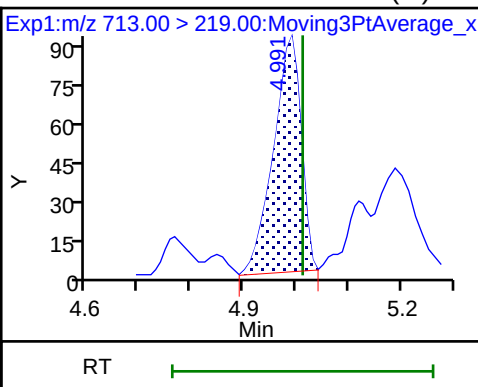
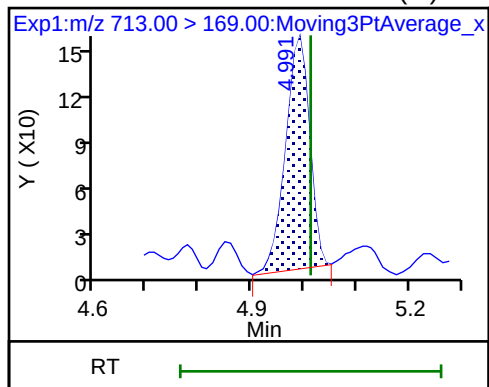
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

D 43 13C2 PFTeDA



Eurofins Burlington

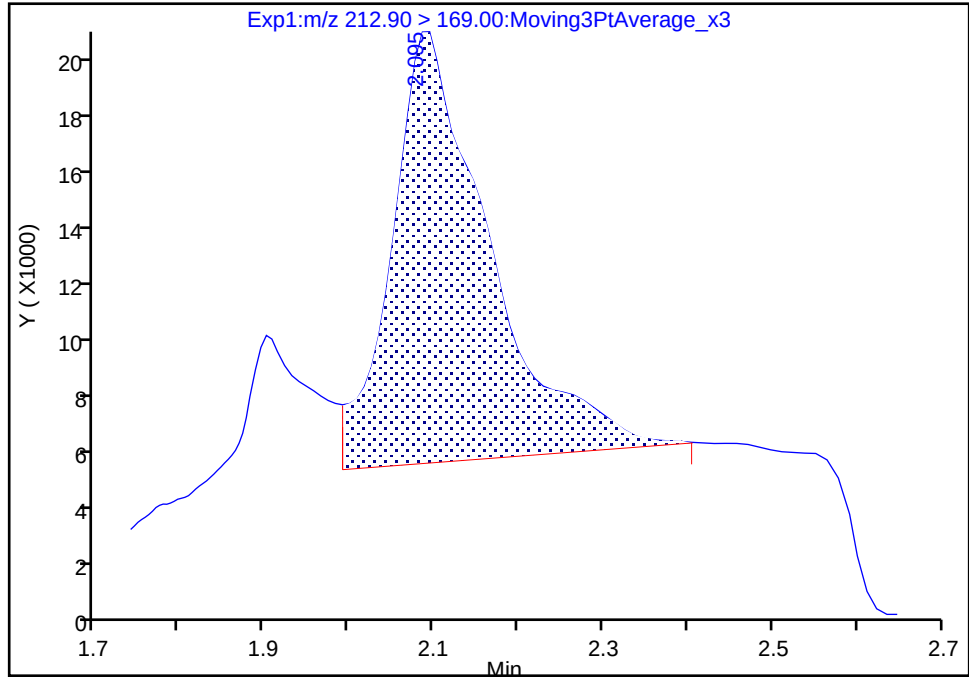
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Injection Date:	30-Nov-2022 11:02:54	Instrument ID:	LC812		
Lims ID:	460-269761-A-5-B	Lab Sample ID:	200-269761-5		
Client ID:	BCS-09-10_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

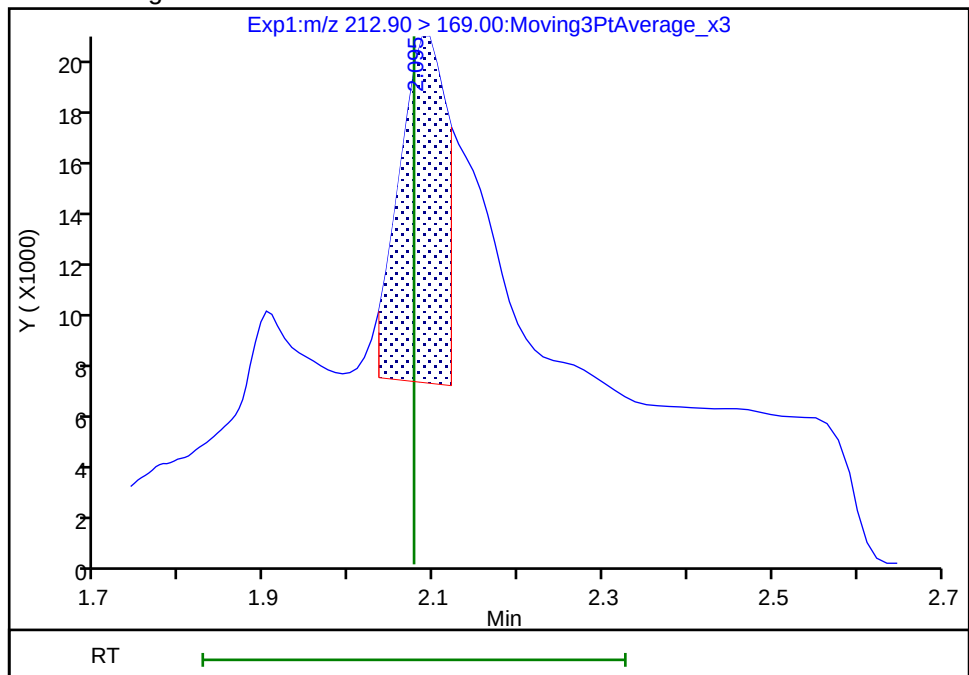
RT: 2.09
Area: 120023
Amount: 0.111863
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 50045
Amount: 0.046643
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:18:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

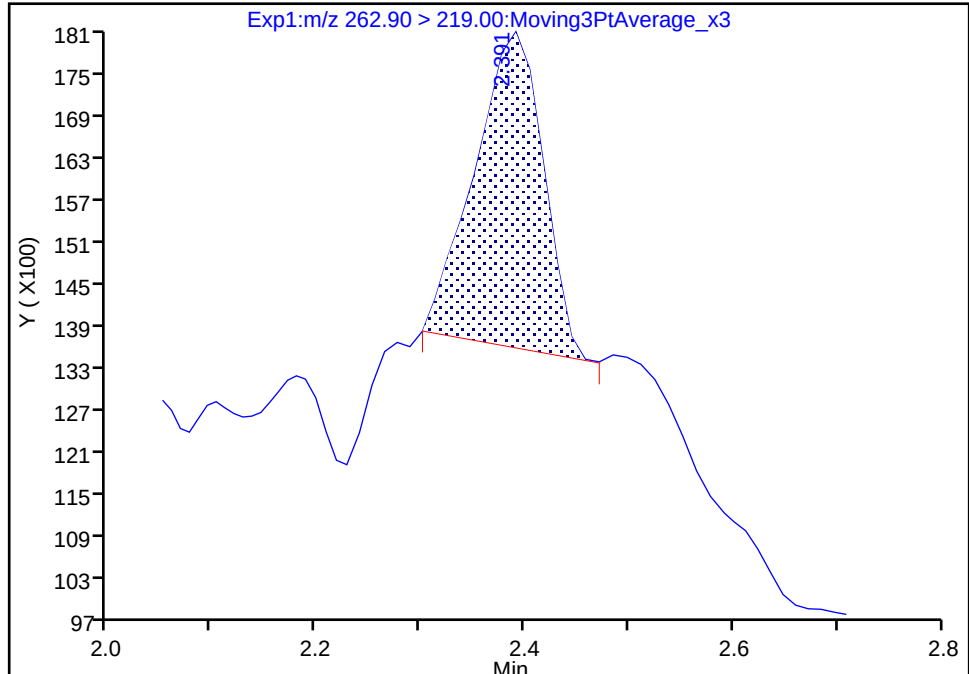
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A14.d
Injection Date: 30-Nov-2022 11:02:54 Instrument ID: LC812
Lims ID: 460-269761-A-5-B Lab Sample ID: 200-269761-5
Client ID: BCS-09-10_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

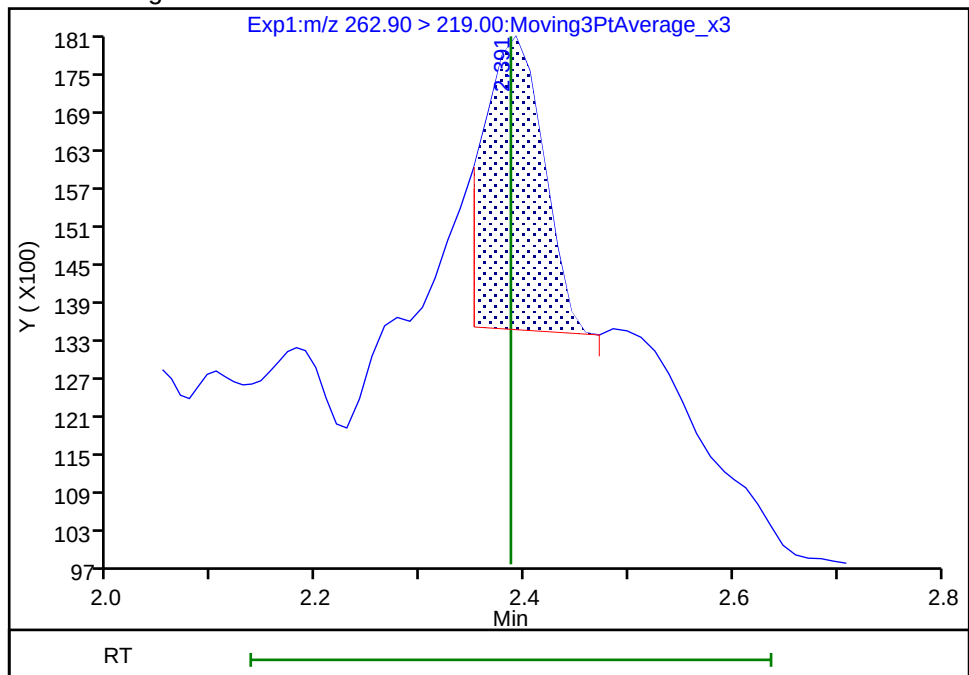
RT: 2.39
Area: 20579
Amount: 0.013477
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 17774
Amount: 0.011640
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 01-Dec-2022 08:27:30

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

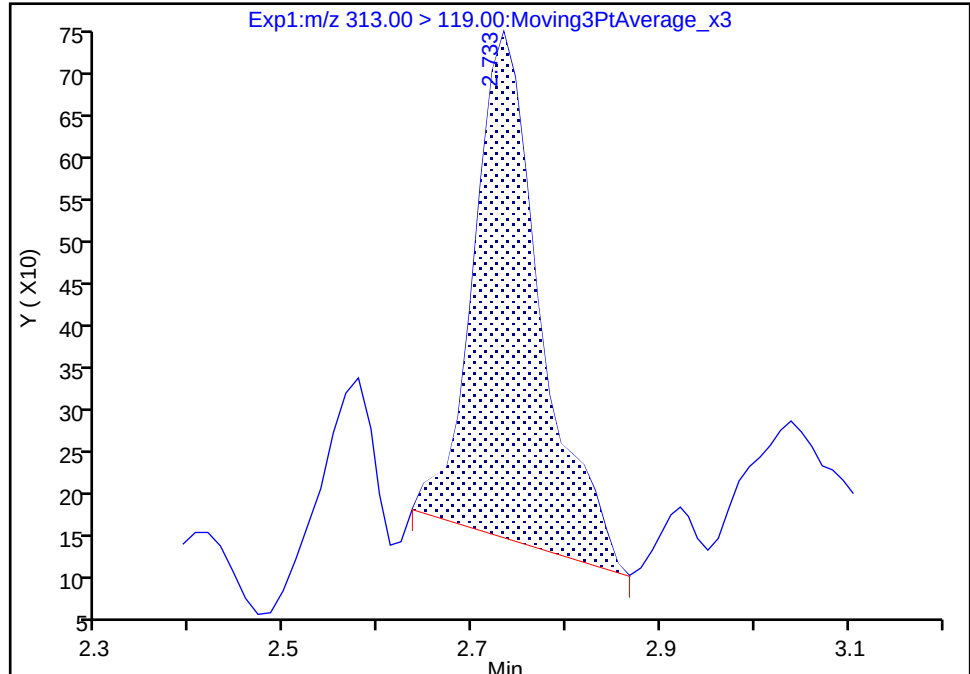
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A14.d
Injection Date: 30-Nov-2022 11:02:54 Instrument ID: LC812
Lims ID: 460-269761-A-5-B Lab Sample ID: 200-269761-5
Client ID: BCS-09-10_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

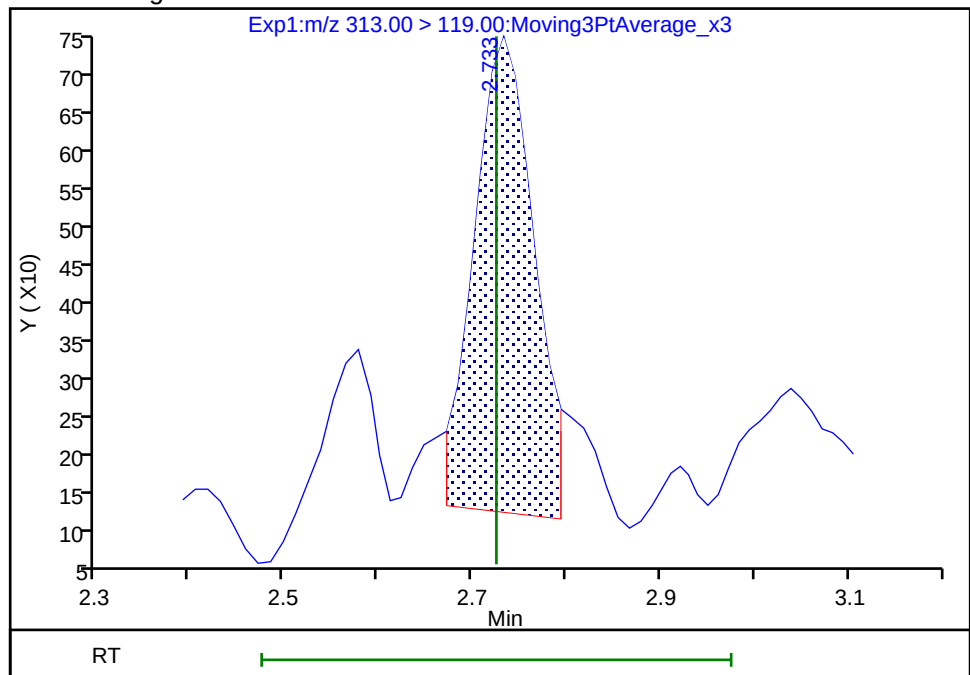
RT: 2.73
Area: 2960
Amount: 0.024131
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 2743
Amount: 0.023187
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:19:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

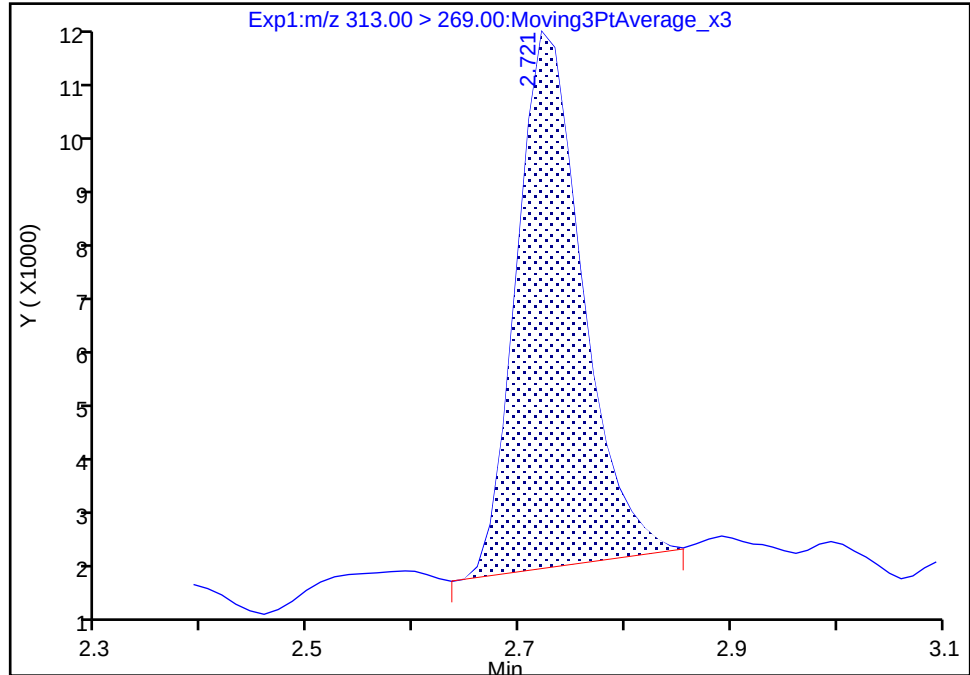
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A14.d
Injection Date: 30-Nov-2022 11:02:54 Instrument ID: LC812
Lims ID: 460-269761-A-5-B Lab Sample ID: 200-269761-5
Client ID: BCS-09-10_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

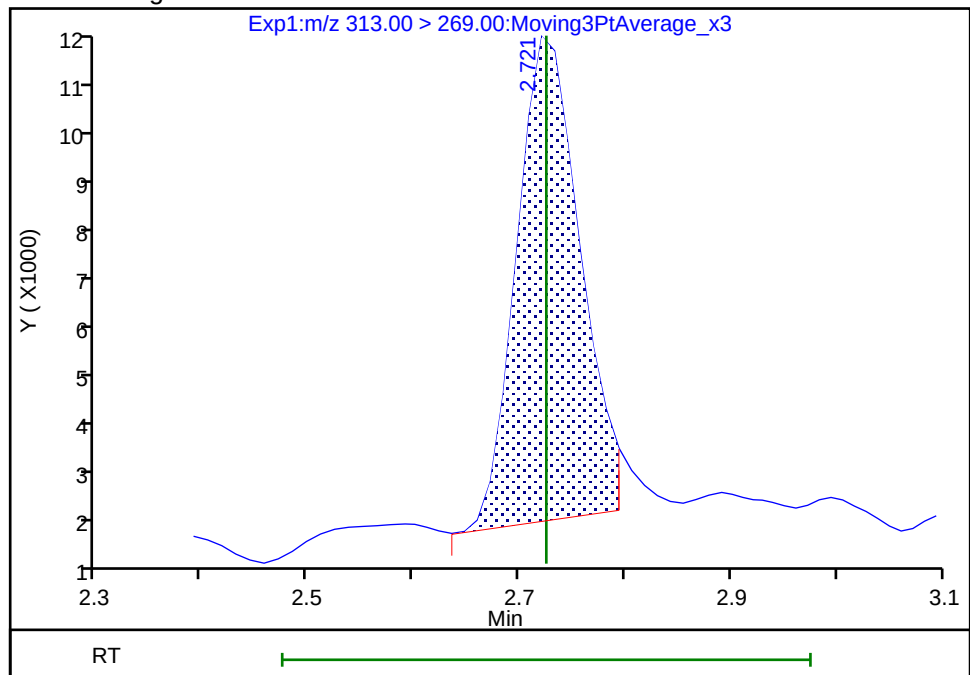
RT: 2.72
Area: 41067
Amount: 0.024131
Amount Units: ng/ml

Processing Integration Results



RT: 2.72
Area: 39460
Amount: 0.023187
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:19:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

Eurofins Burlington

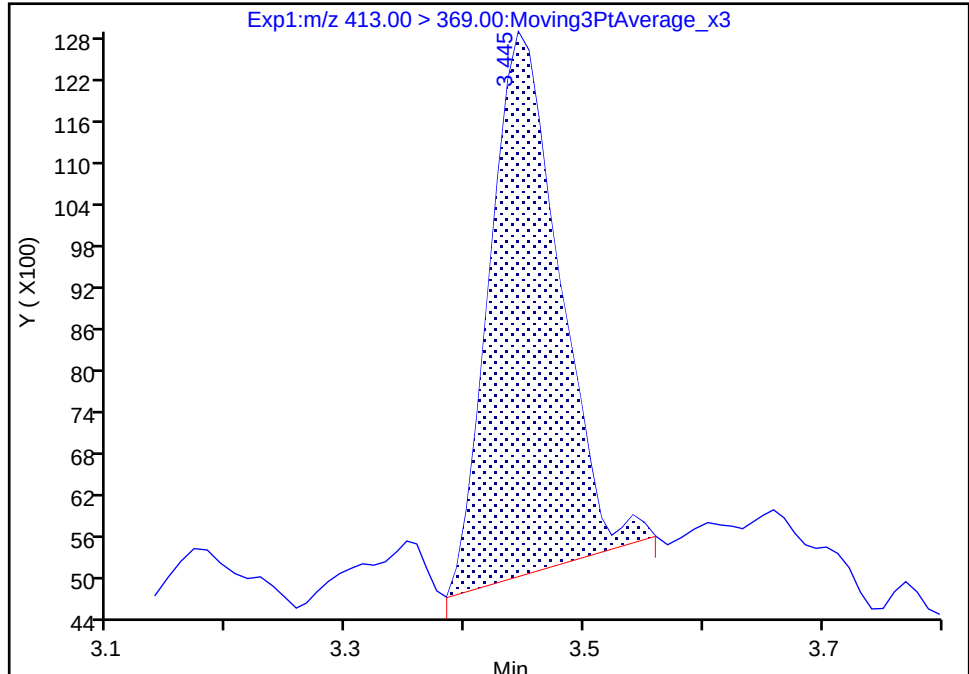
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A14.d				
Injection Date:	30-Nov-2022 11:02:54	Instrument ID:	LC812		
Lims ID:	460-269761-A-5-B	Lab Sample ID:	200-269761-5		
Client ID:	BCS-09-10_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

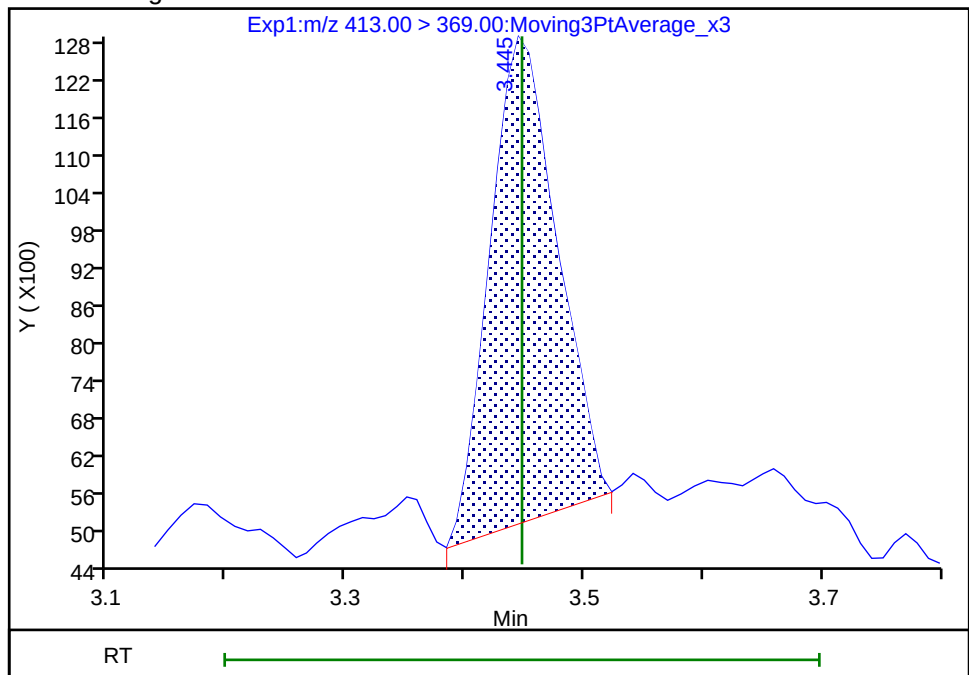
RT: 3.44
Area: 32053
Amount: 0.016728
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 30692
Amount: 0.016018
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:20:10

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

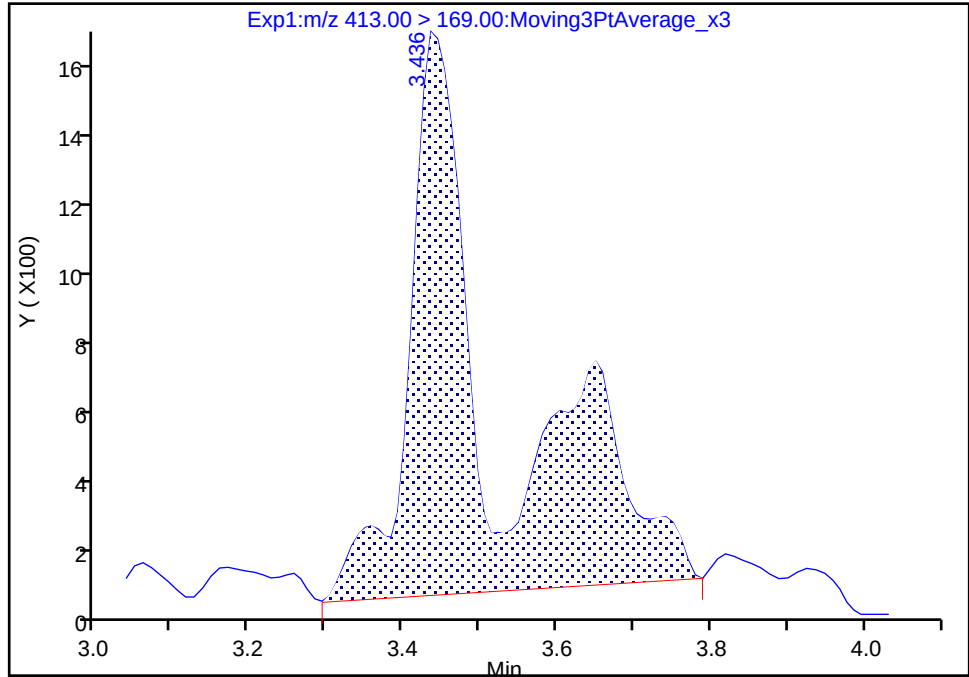
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A14.d
Injection Date: 30-Nov-2022 11:02:54 Instrument ID: LC812
Lims ID: 460-269761-A-5-B Lab Sample ID: 200-269761-5
Client ID: BCS-09-10_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

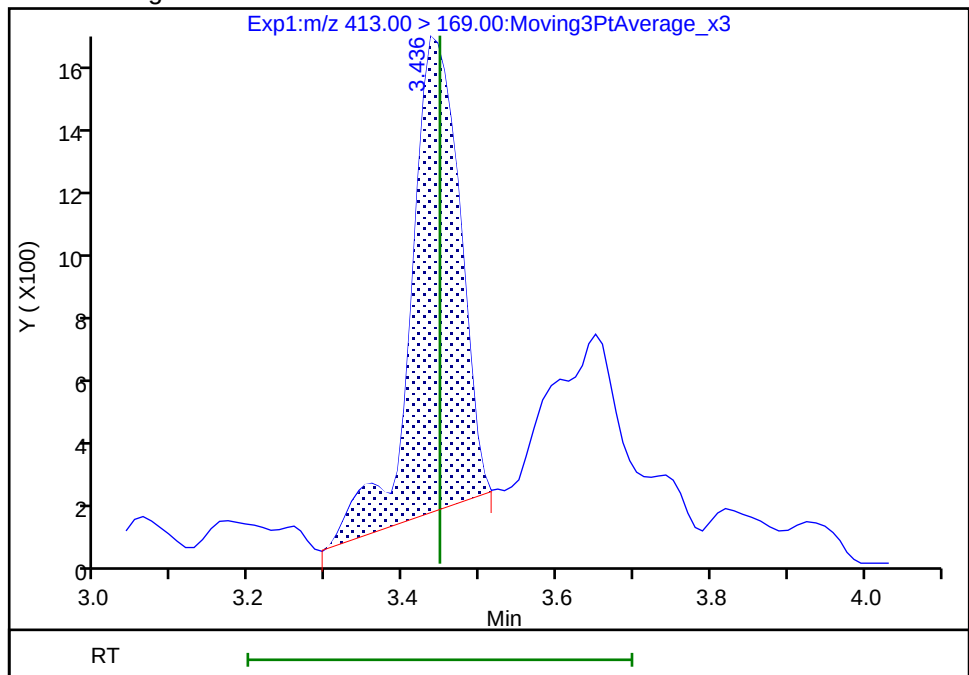
RT: 3.44
Area: 12692
Amount: 0.016728
Amount Units: ng/ml

Processing Integration Results



RT: 3.44
Area: 6572
Amount: 0.016018
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:20:12

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

Eurofins Burlington

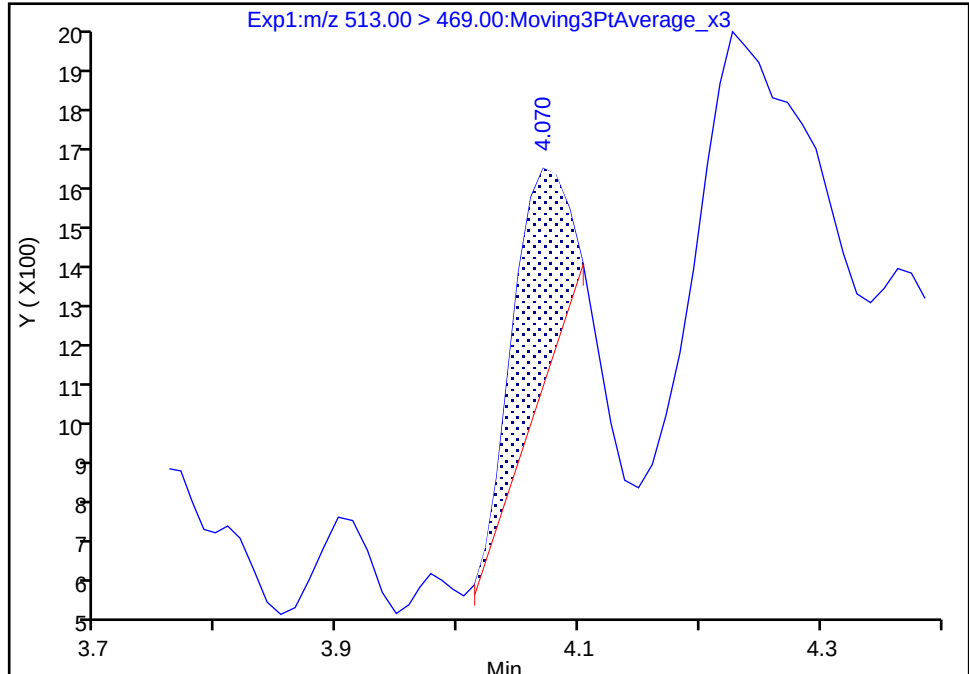
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Injection Date:	30-Nov-2022 11:02:54	Instrument ID:	LC812		
Lims ID:	460-269761-A-5-B	Lab Sample ID:	200-269761-5		
Client ID:	BCS-09-10_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

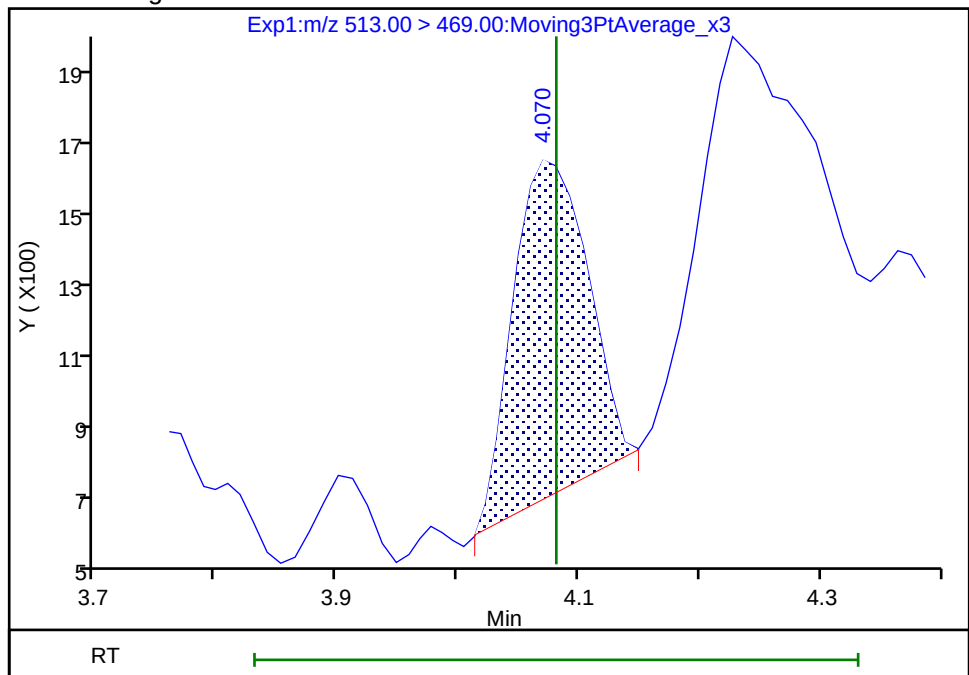
RT: 4.07
Area: 1586
Amount: 0.000789
Amount Units: ng/ml

Processing Integration Results



RT: 4.07
Area: 3801
Amount: 0.001891
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:20:52

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

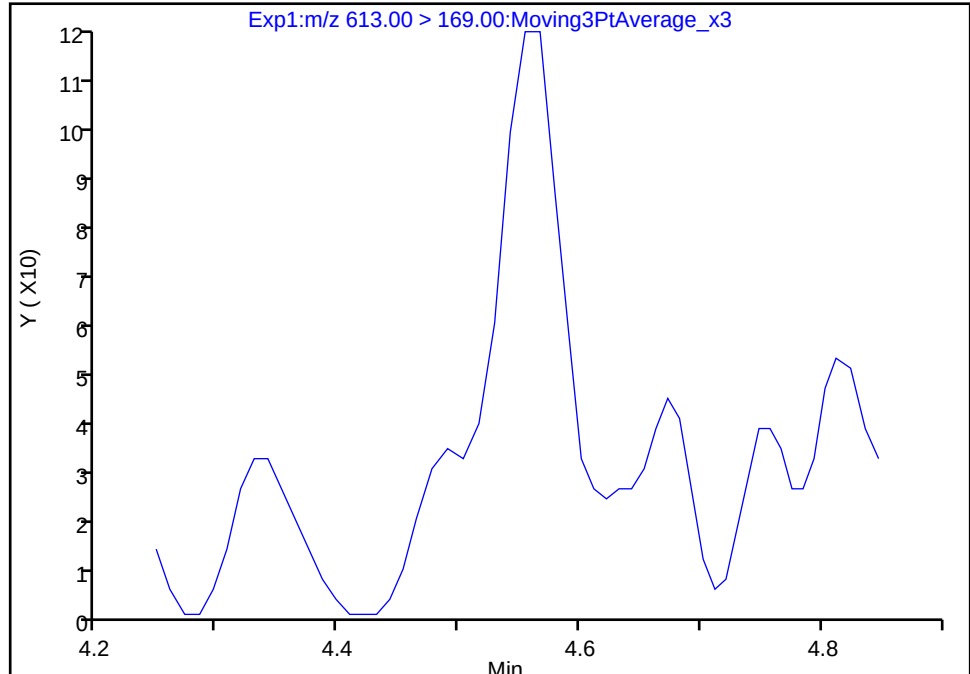
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A14.d				
Injection Date:	30-Nov-2022 11:02:54	Instrument ID:	LC812		
Lims ID:	460-269761-A-5-B	Lab Sample ID:	200-269761-5		
Client ID:	BCS-09-10_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

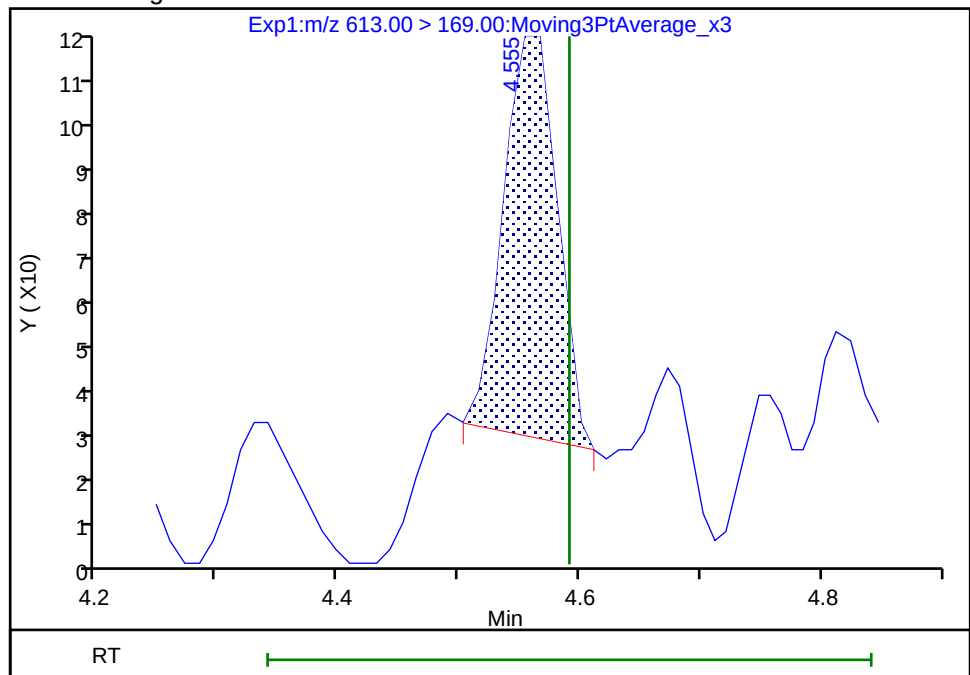
Signal: 2

Not Detected
Expected RT: 4.59

Processing Integration Results



Manual Integration Results

RT: 4.55
Area: 273
Amount: 0.001725
Amount Units: ng/ml

Reviewer: khanphomeea, 01-Dec-2022 11:22:10

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

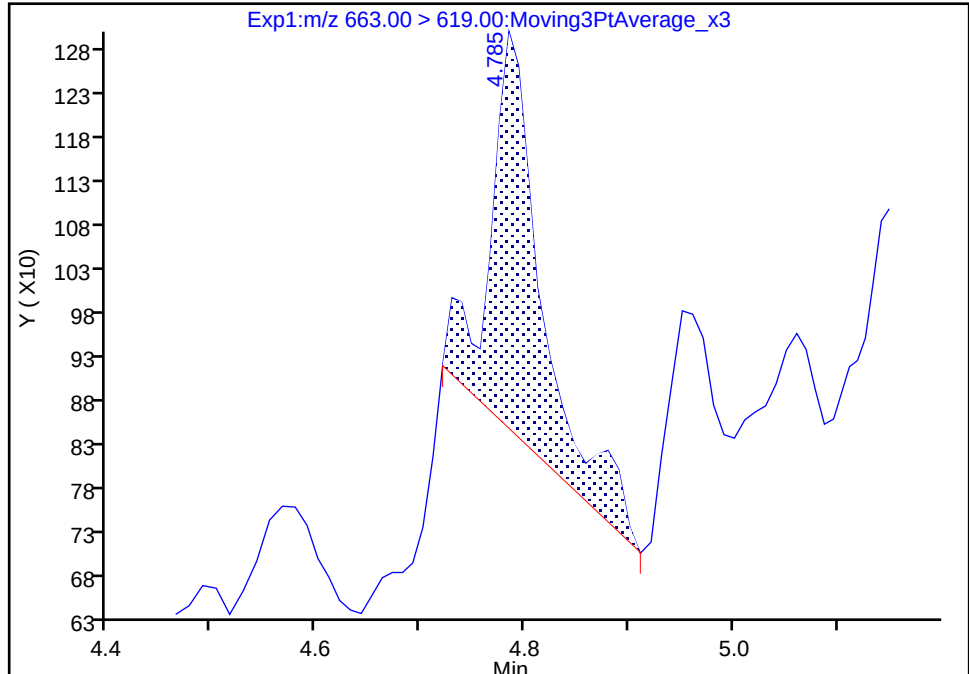
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A14.d
Injection Date: 30-Nov-2022 11:02:54 Instrument ID: LC812
Lims ID: 460-269761-A-5-B Lab Sample ID: 200-269761-5
Client ID: BCS-09-10_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

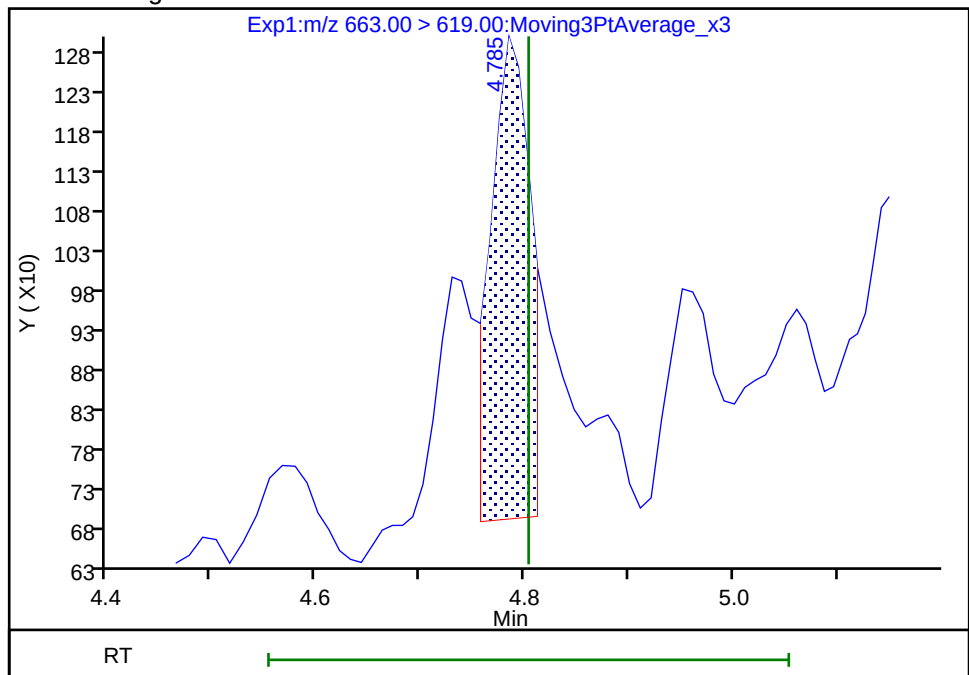
RT: 4.78
Area: 1588
Amount: 0.000998
Amount Units: ng/ml

Processing Integration Results



RT: 4.78
Area: 1532
Amount: 0.000963
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:22:25

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

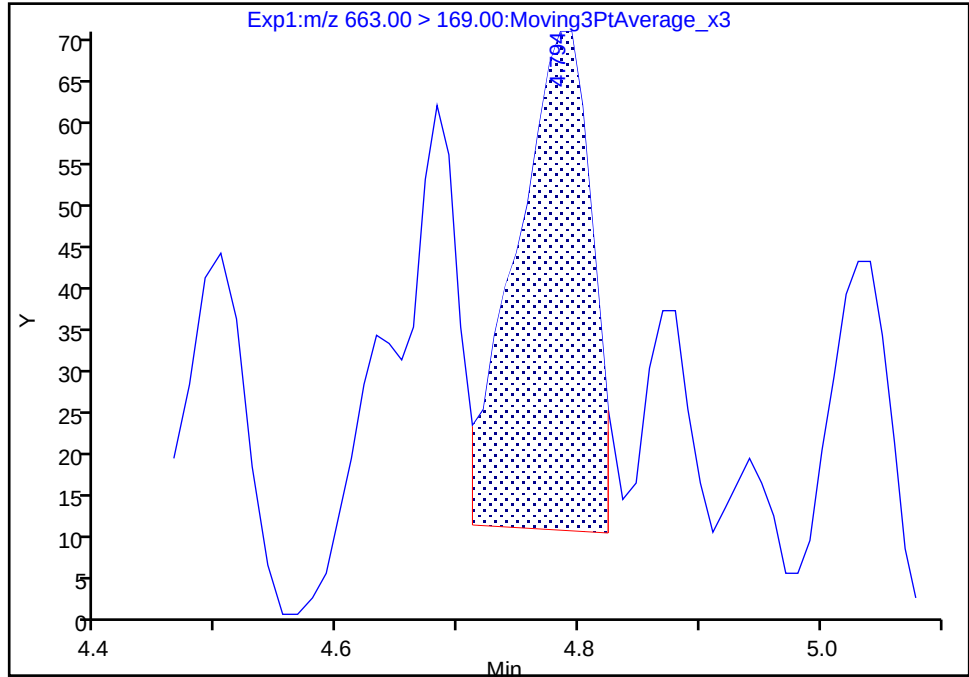
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A14.d
Injection Date: 30-Nov-2022 11:02:54 Instrument ID: LC812
Lims ID: 460-269761-A-5-B Lab Sample ID: 200-269761-5
Client ID: BCS-09-10_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

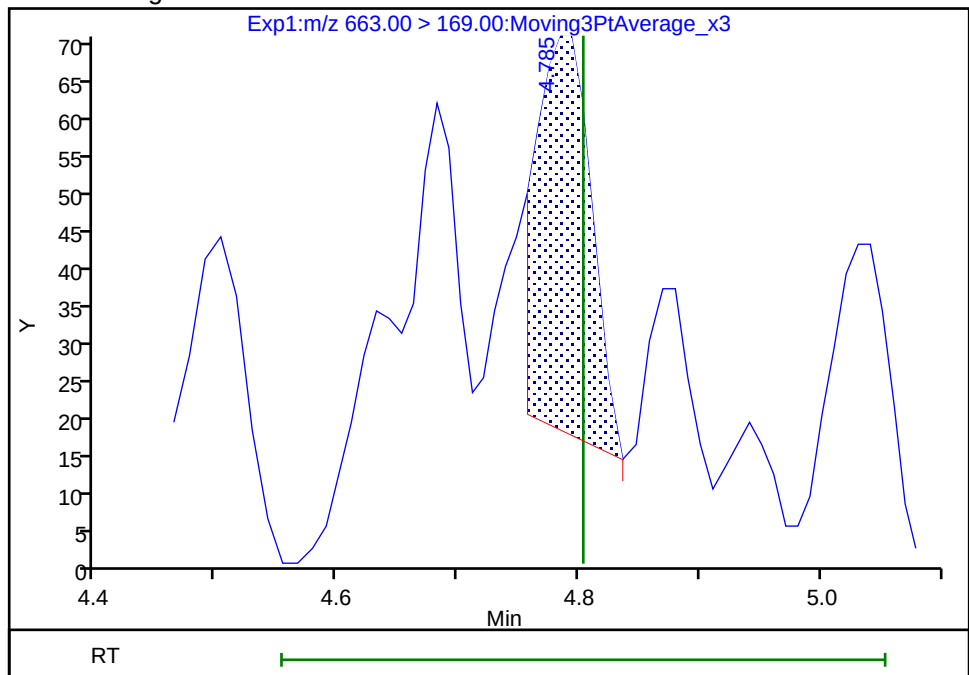
RT: 4.79
Area: 260
Amount: 0.000998
Amount Units: ng/ml

Processing Integration Results



RT: 4.78
Area: 166
Amount: 0.000963
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:22:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

Eurofins Burlington

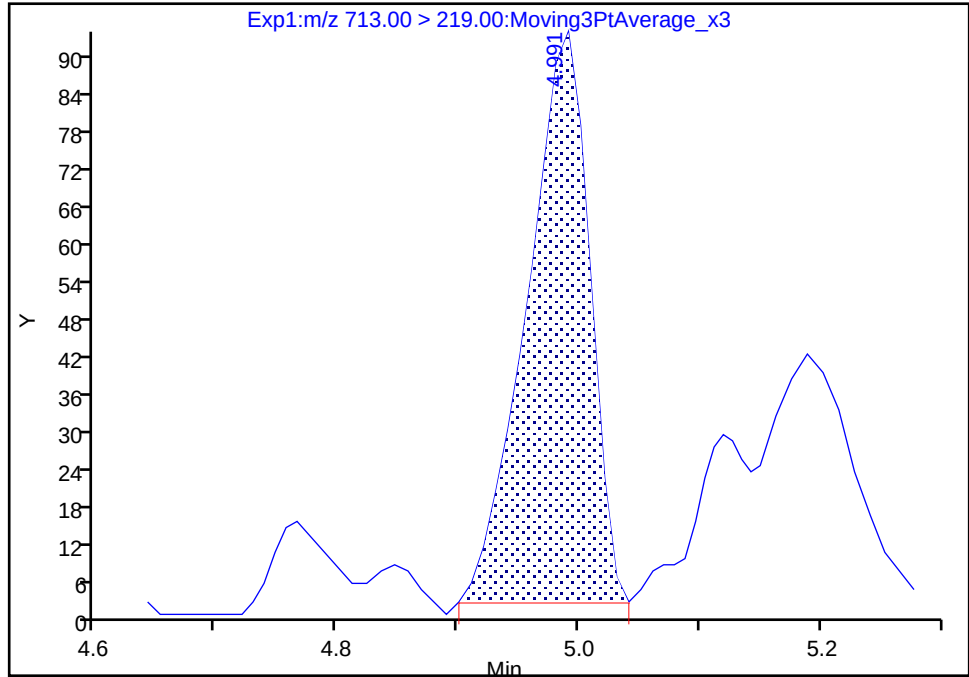
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A14.d				
Injection Date:	30-Nov-2022 11:02:54	Instrument ID:	LC812		
Lims ID:	460-269761-A-5-B	Lab Sample ID:	200-269761-5		
Client ID:	BCS-09-10_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

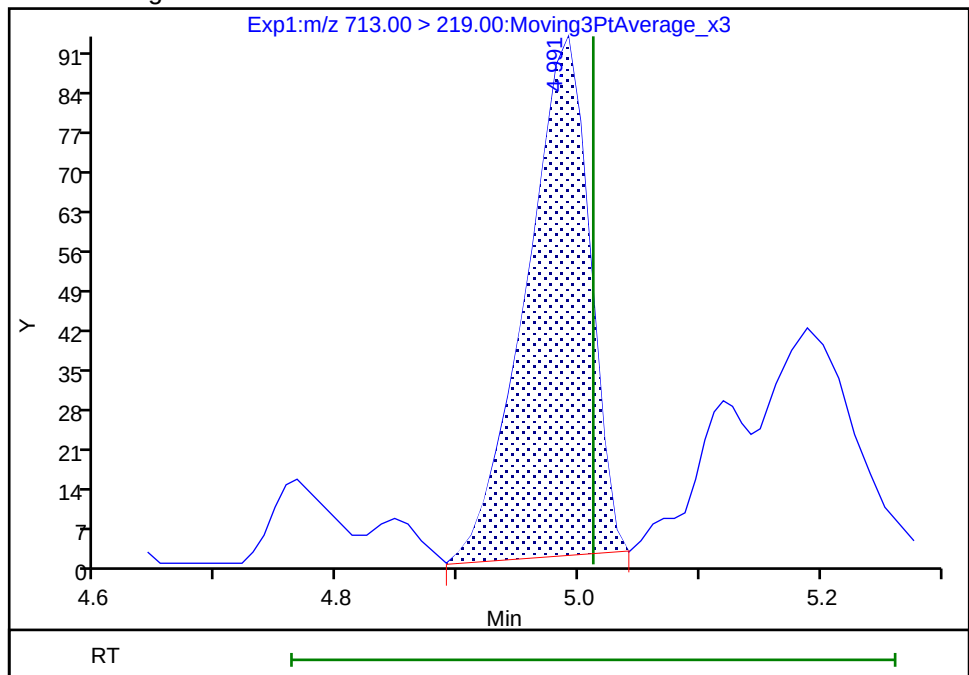
RT: 4.99
Area: 330
Amount: 0.002565
Amount Units: ng/ml

Processing Integration Results



RT: 4.99
Area: 339
Amount: 0.002635
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:22:38

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

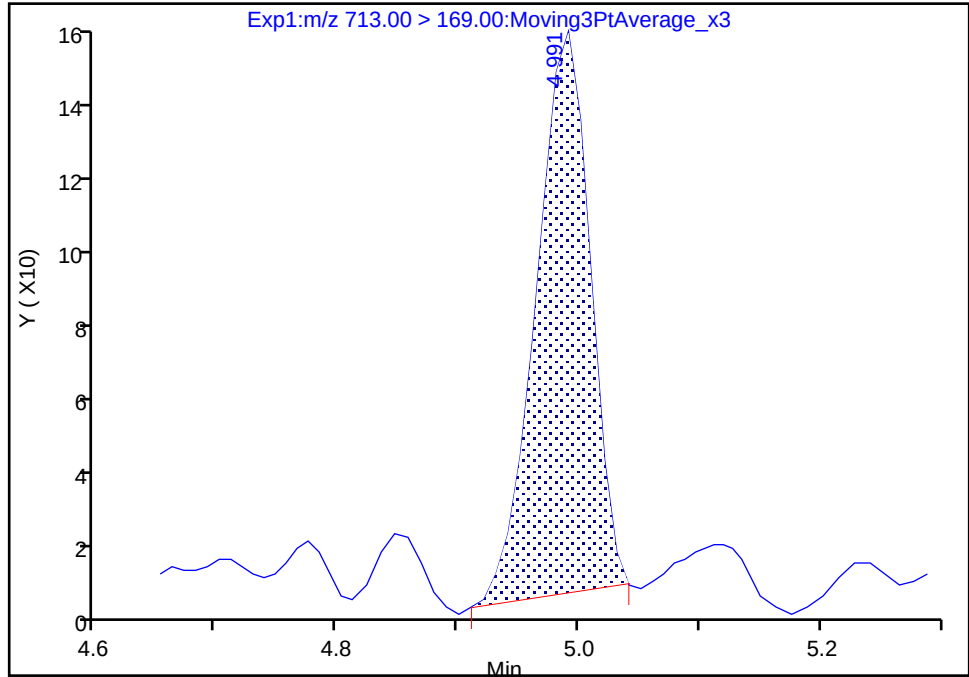
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A14.d
Injection Date: 30-Nov-2022 11:02:54 Instrument ID: LC812
Lims ID: 460-269761-A-5-B Lab Sample ID: 200-269761-5
Client ID: BCS-09-10_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

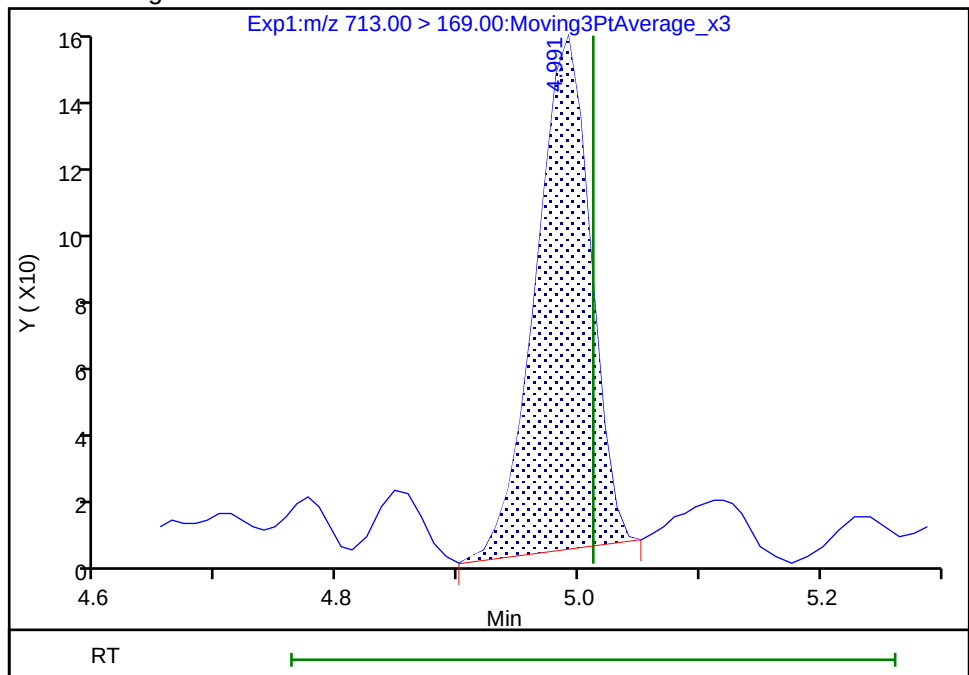
RT: 4.99
Area: 476
Amount: 0.002565
Amount Units: ng/ml

Processing Integration Results



RT: 4.99
Area: 489
Amount: 0.002635
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:22:41

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

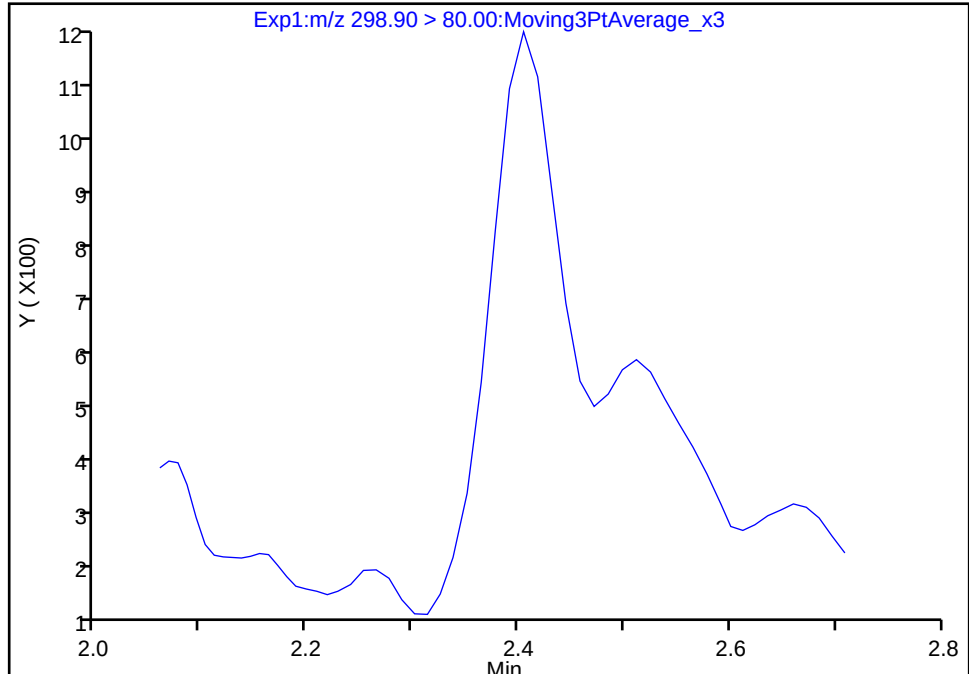
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A14.d				
Injection Date:	30-Nov-2022 11:02:54	Instrument ID:	LC812		
Lims ID:	460-269761-A-5-B	Lab Sample ID:	200-269761-5		
Client ID:	BCS-09-10_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

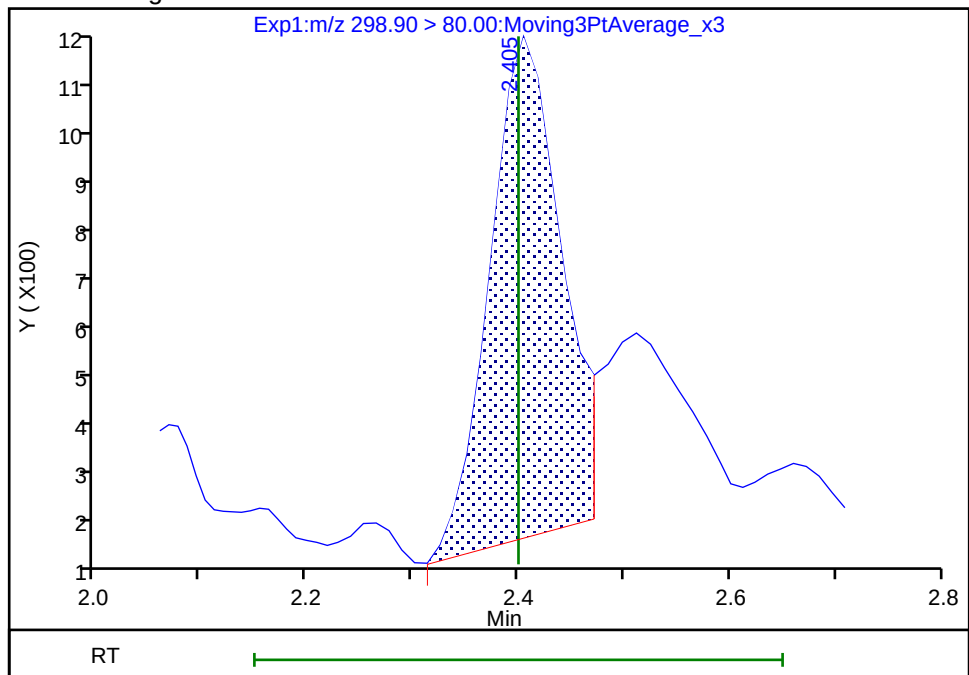
Not Detected
Expected RT: 2.40

Processing Integration Results



Manual Integration Results

RT: 2.40
Area: 4605
Amount: 0.002569
Amount Units: ng/ml



Reviewer: khanphomeea, 01-Dec-2022 11:19:16

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

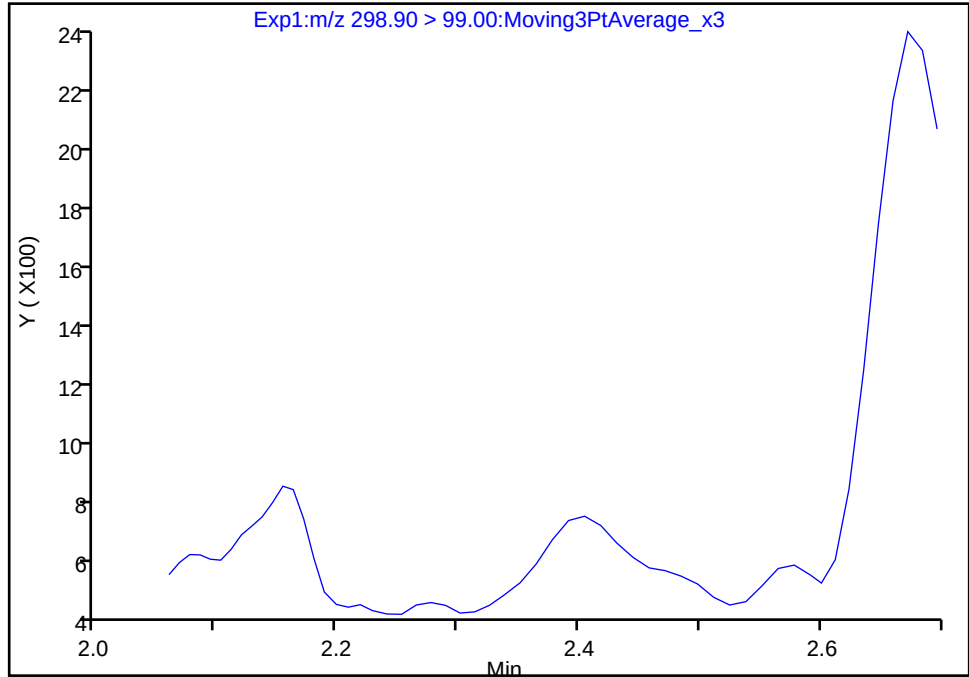
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A14.d
Injection Date: 30-Nov-2022 11:02:54 Instrument ID: LC812
Lims ID: 460-269761-A-5-B Lab Sample ID: 200-269761-5
Client ID: BCS-09-10_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

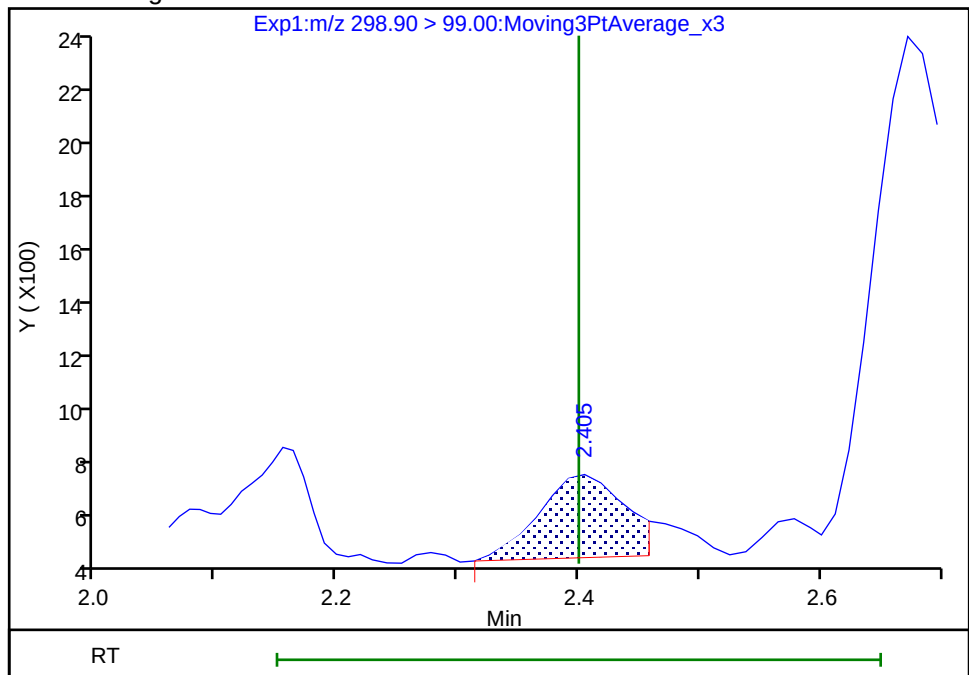
Not Detected
Expected RT: 2.40

Processing Integration Results



Manual Integration Results

RT: 2.40
Area: 1461
Amount: 0.002569
Amount Units: ng/ml



Reviewer: khanphomeea, 01-Dec-2022 11:19:17

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

Eurofins Burlington

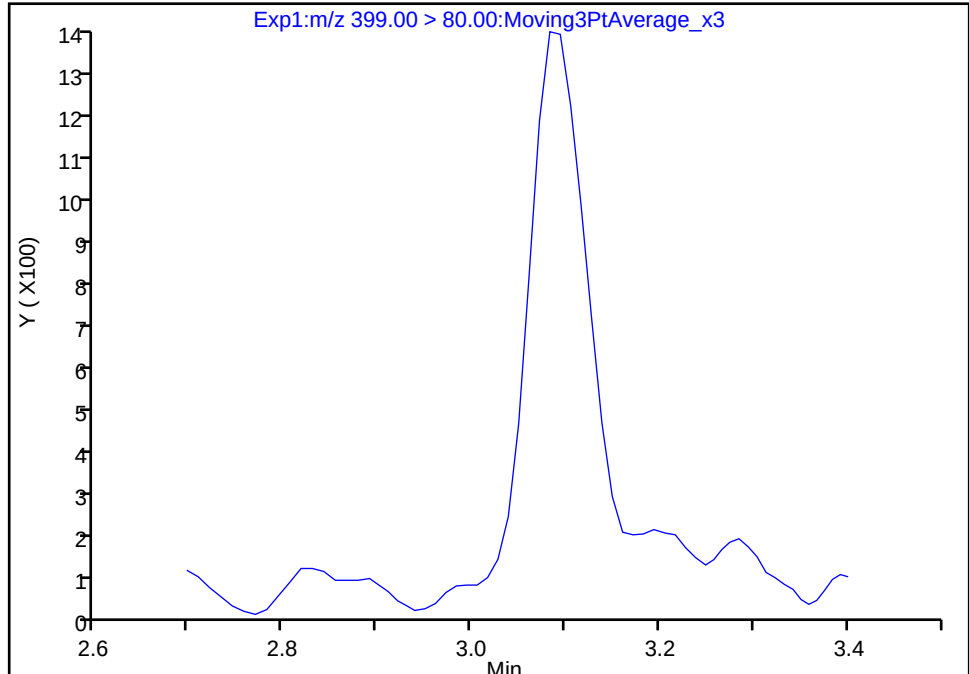
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A14.d				
Injection Date:	30-Nov-2022 11:02:54	Instrument ID:	LC812		
Lims ID:	460-269761-A-5-B	Lab Sample ID:	200-269761-5		
Client ID:	BCS-09-10_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

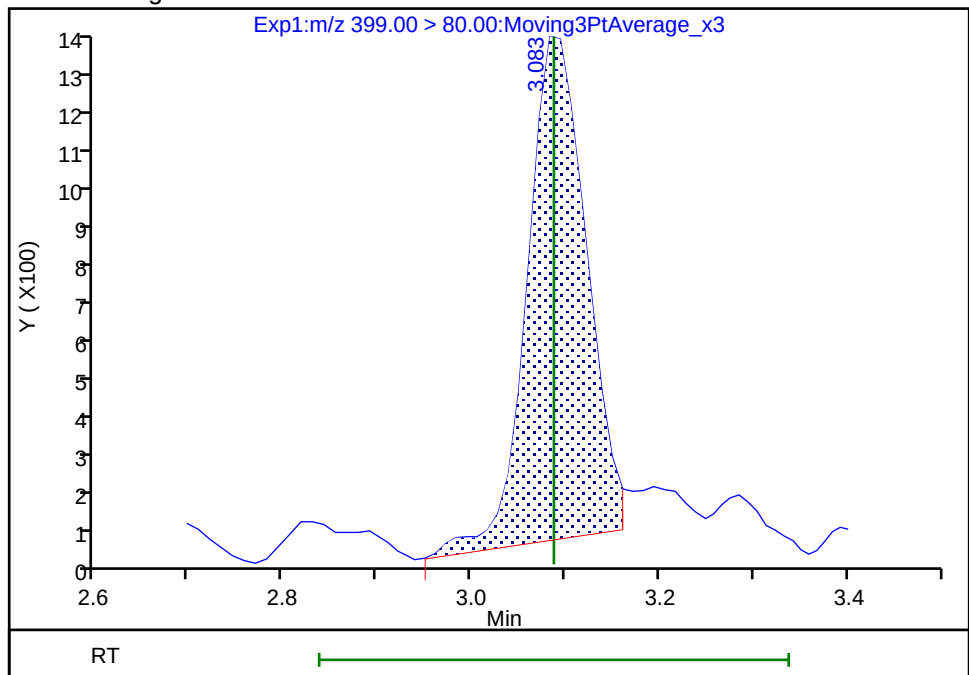
Signal: 1

Not Detected
Expected RT: 3.09

Processing Integration Results



Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:19:41

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

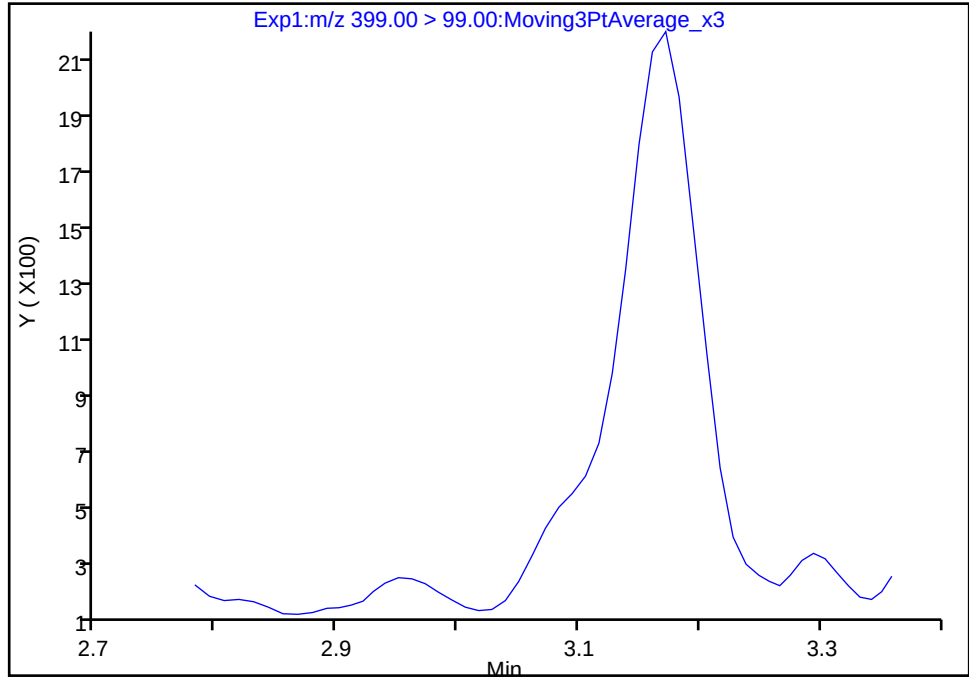
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A14.d
Injection Date: 30-Nov-2022 11:02:54 Instrument ID: LC812
Lims ID: 460-269761-A-5-B Lab Sample ID: 200-269761-5
Client ID: BCS-09-10_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

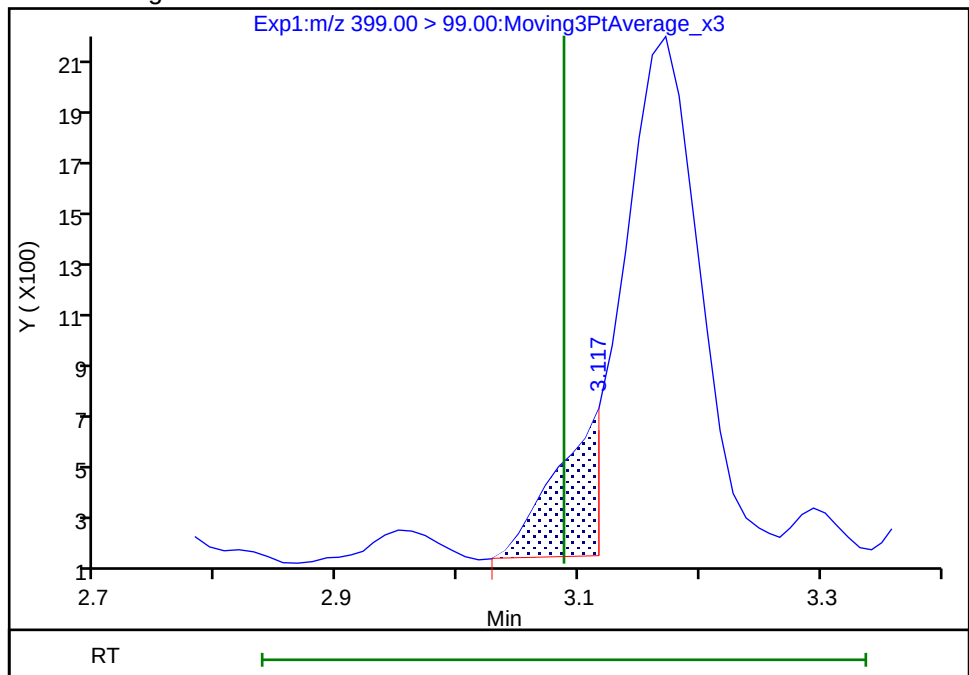
Not Detected
Expected RT: 3.09

Processing Integration Results



Manual Integration Results

RT: 3.12
Area: 1380
Amount: 0.004414
Amount Units: ng/ml



Reviewer: khanphomeea, 01-Dec-2022 11:19:55

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

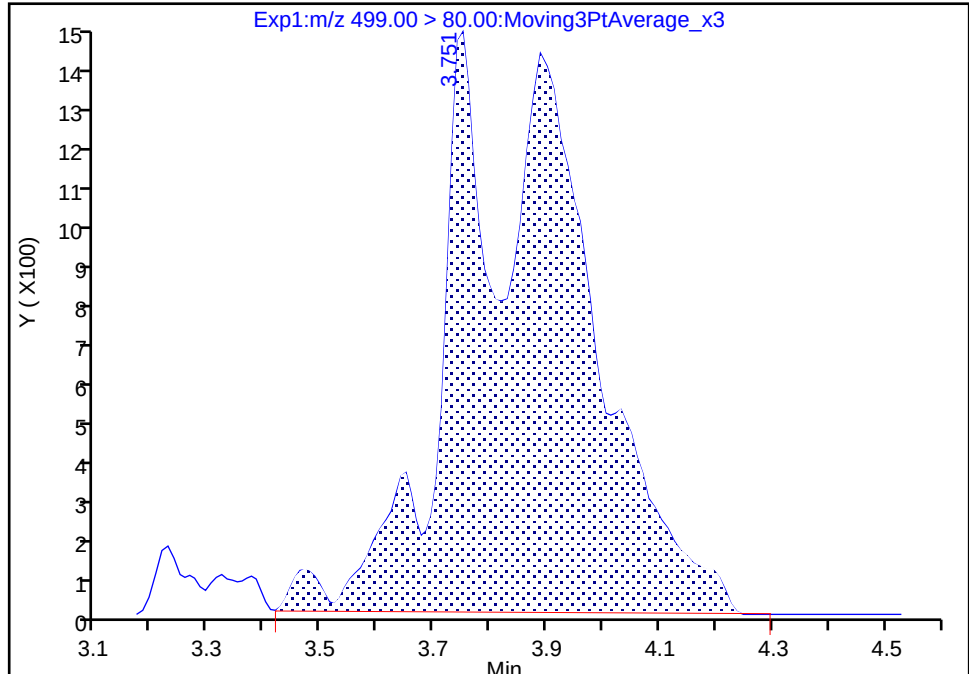
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A14.d				
Injection Date:	30-Nov-2022 11:02:54	Instrument ID:	LC812		
Lims ID:	460-269761-A-5-B	Lab Sample ID:	200-269761-5		
Client ID:	BCS-09-10_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

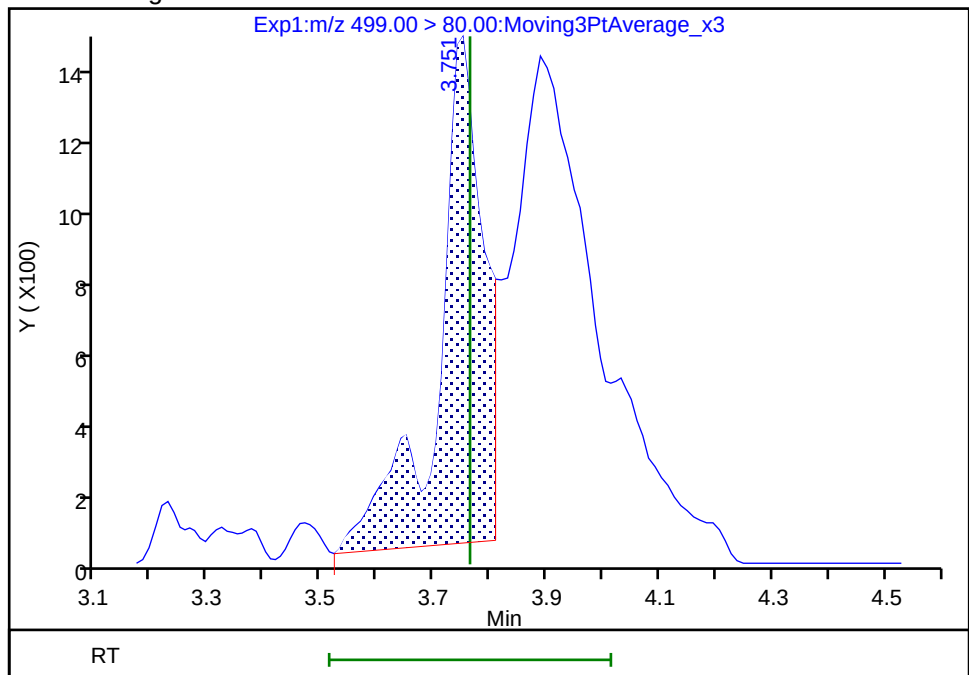
RT: 3.75
Area: 23574
Amount: 0.025568
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 7622
Amount: 0.008267
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:20:24

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

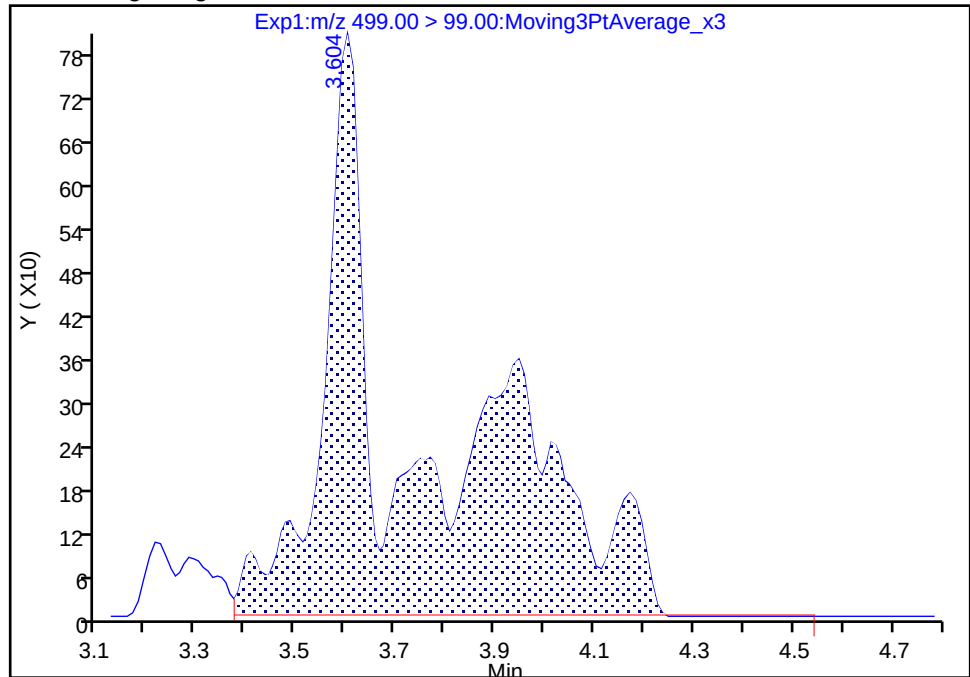
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A14.d
Injection Date: 30-Nov-2022 11:02:54 Instrument ID: LC812
Lims ID: 460-269761-A-5-B Lab Sample ID: 200-269761-5
Client ID: BCS-09-10_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

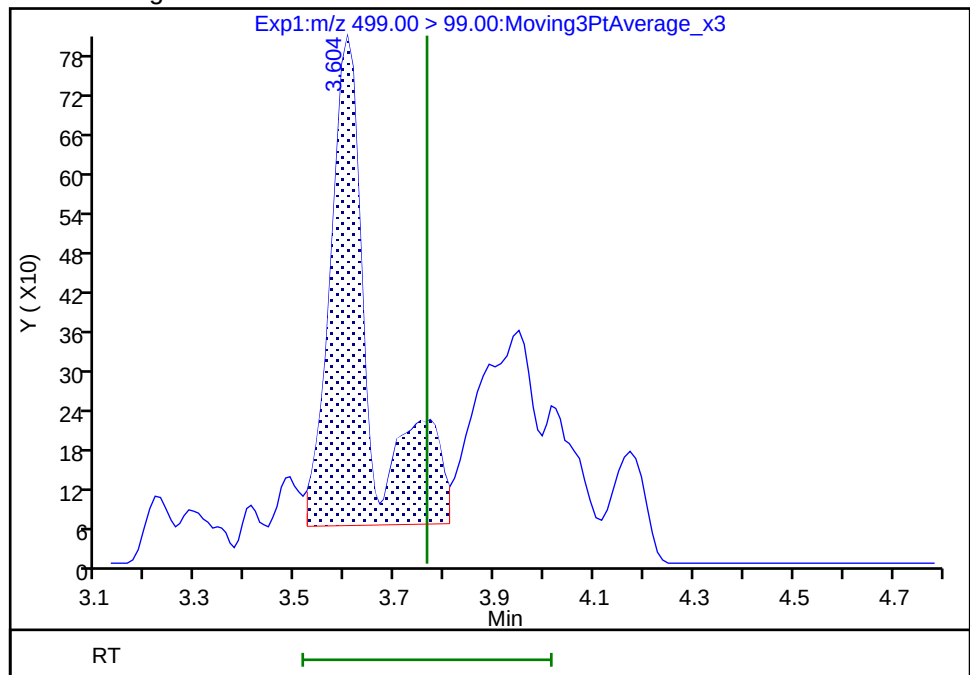
RT: 3.60
Area: 10844
Amount: 0.025568
Amount Units: ng/ml

Processing Integration Results



RT: 3.60
Area: 4155
Amount: 0.008267
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:20:41

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

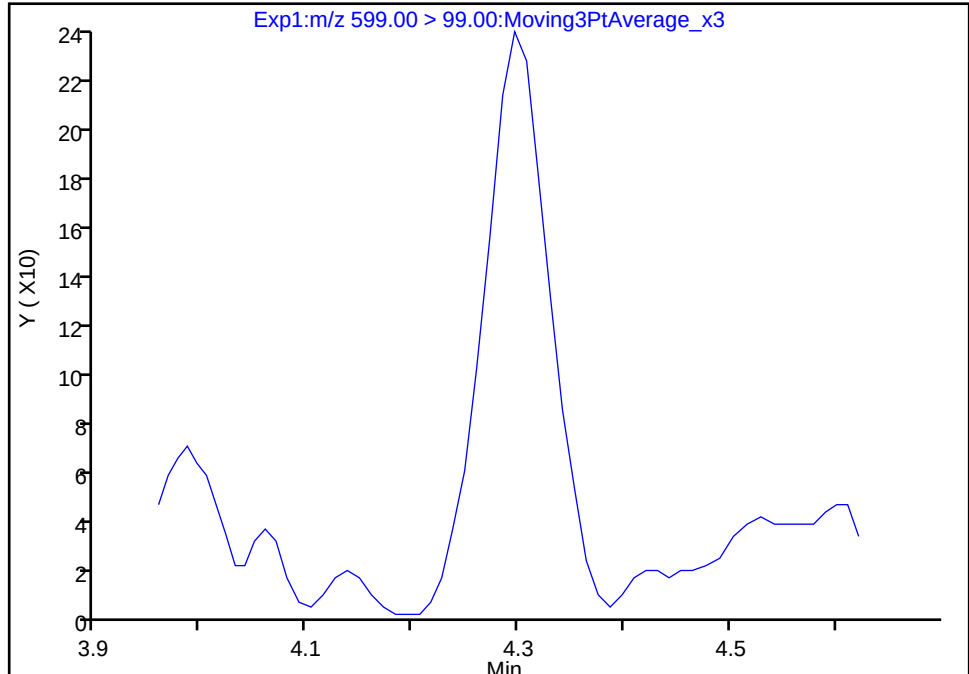
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A14.d				
Injection Date:	30-Nov-2022 11:02:54	Instrument ID:	LC812		
Lims ID:	460-269761-A-5-B	Lab Sample ID:	200-269761-5		
Client ID:	BCS-09-10_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

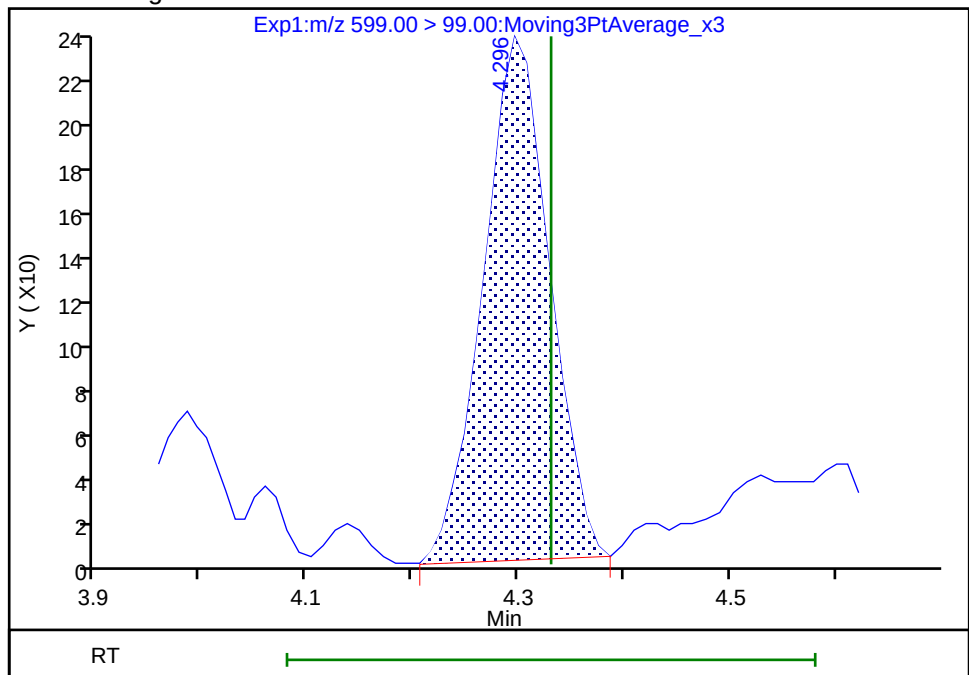
Not Detected
Expected RT: 4.33

Processing Integration Results



Manual Integration Results

RT: 4.30
Area: 1035
Amount: 0.001612
Amount Units: ng/ml



Reviewer: khanphomeea, 01-Dec-2022 11:21:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

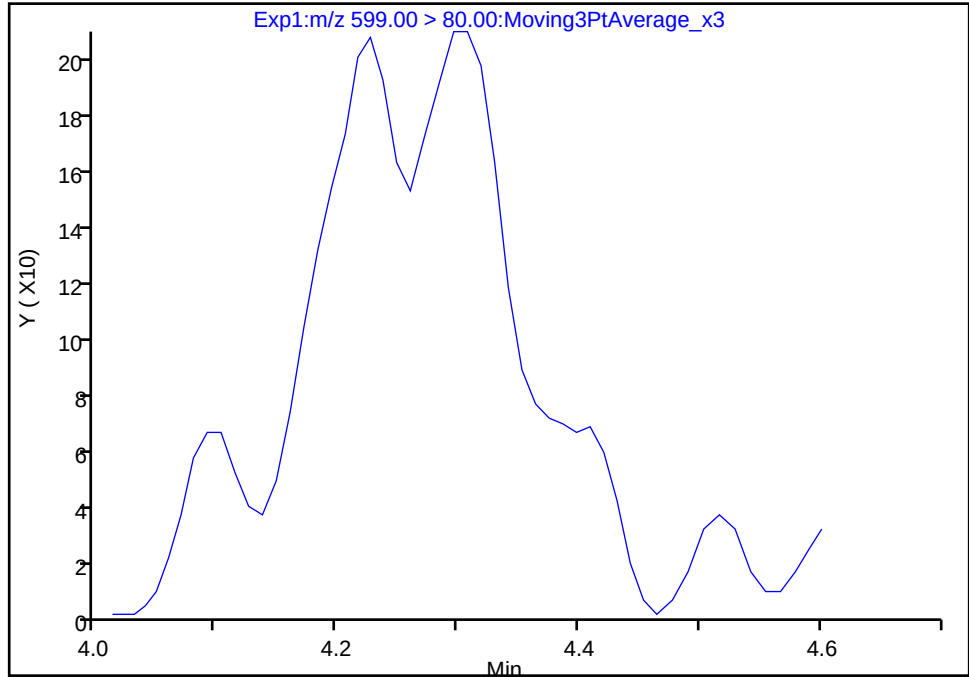
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A14.d
Injection Date: 30-Nov-2022 11:02:54 Instrument ID: LC812
Lims ID: 460-269761-A-5-B Lab Sample ID: 200-269761-5
Client ID: BCS-09-10_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

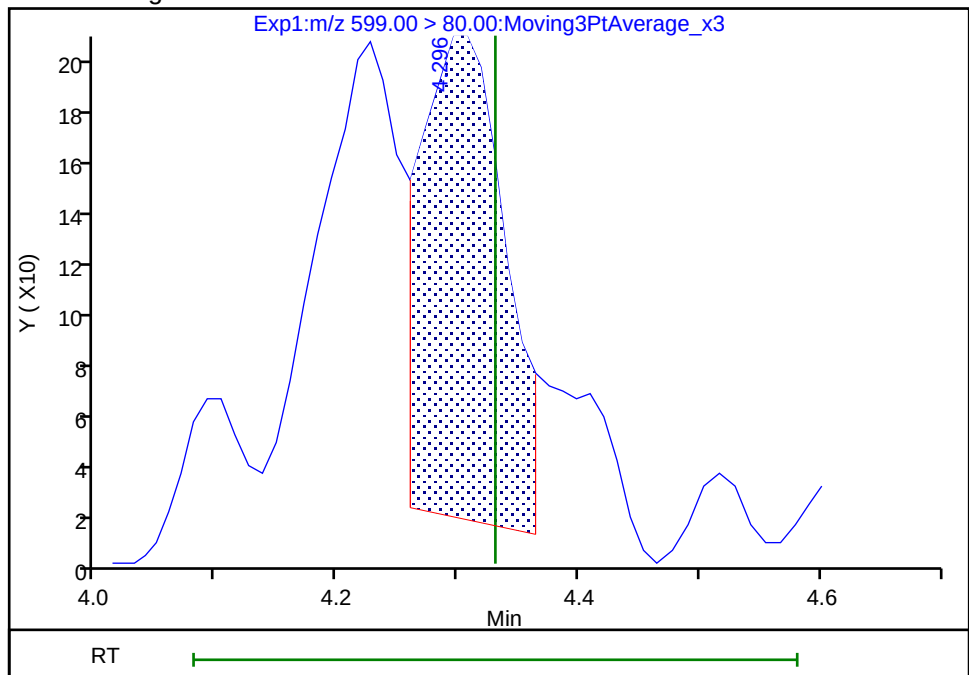
Not Detected
Expected RT: 4.33

Processing Integration Results



Manual Integration Results

RT: 4.30
Area: 886
Amount: 0.001612
Amount Units: ng/ml



Reviewer: khanphomeea, 01-Dec-2022 11:21:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

Eurofins Burlington

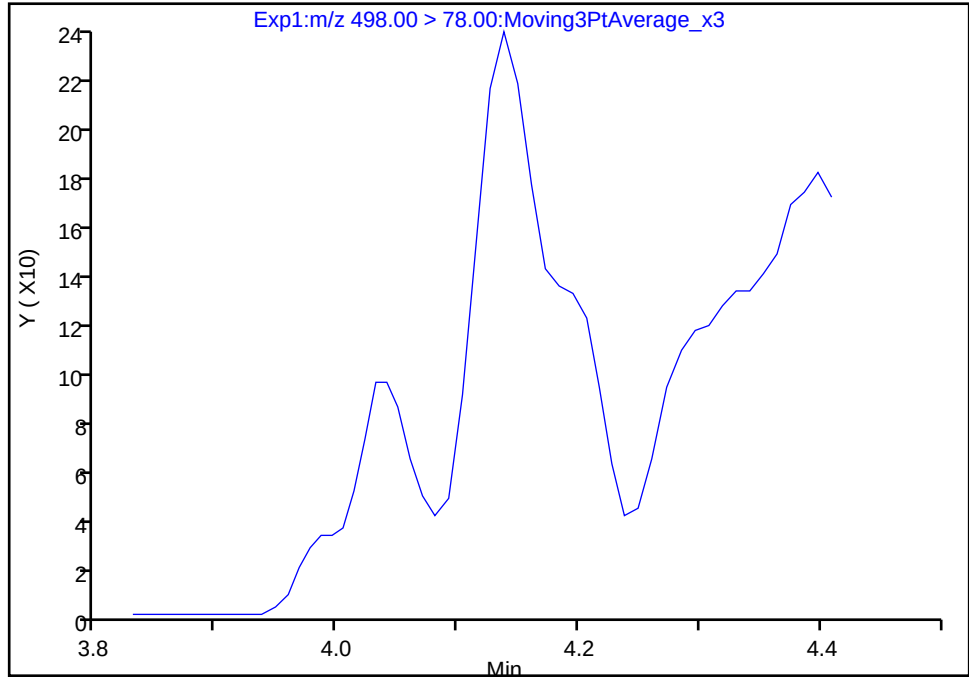
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A14.d
Injection Date: 30-Nov-2022 11:02:54 Instrument ID: LC812
Lims ID: 460-269761-A-5-B Lab Sample ID: 200-269761-5
Client ID: BCS-09-10_(0-5.5)P
Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

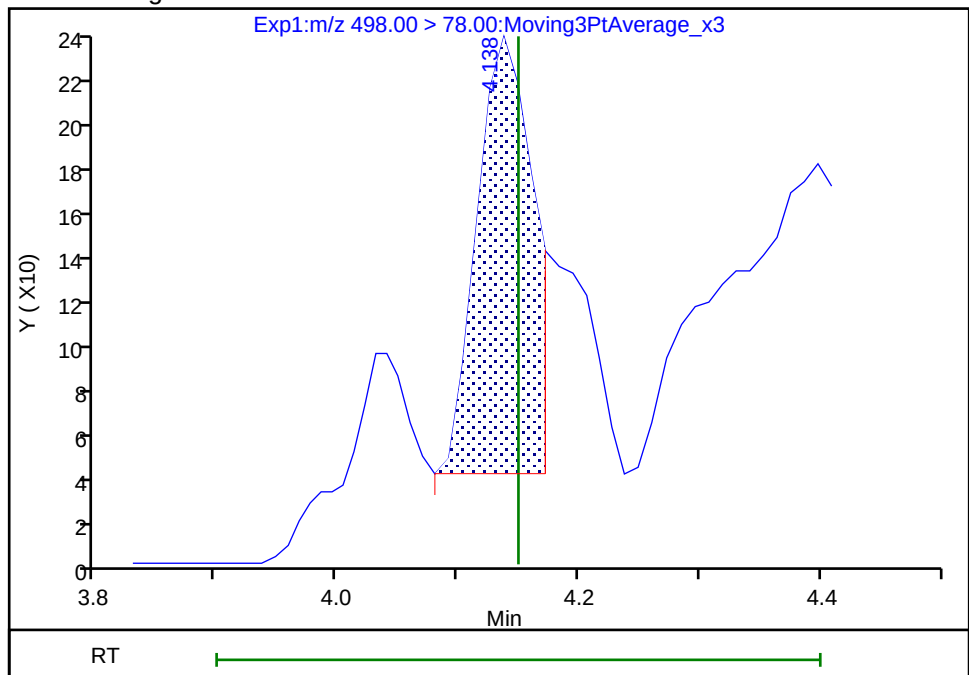
Signal: 1

Not Detected
Expected RT: 4.15

Processing Integration Results



Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:21:13

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

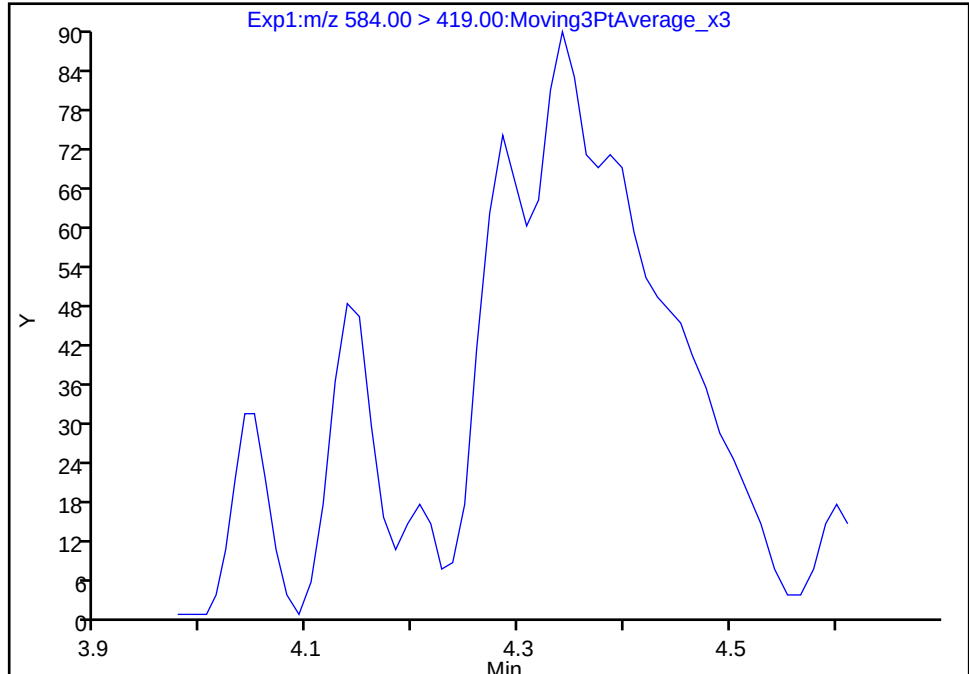
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A14.d				
Injection Date:	30-Nov-2022 11:02:54	Instrument ID:	LC812		
Lims ID:	460-269761-A-5-B	Lab Sample ID:	200-269761-5		
Client ID:	BCS-09-10_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

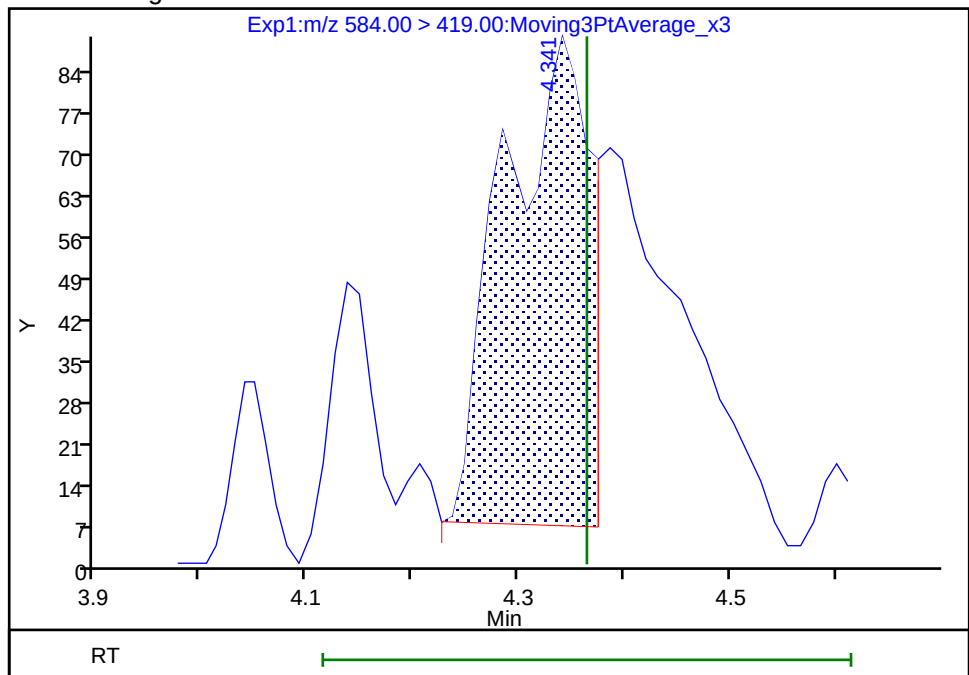
Signal: 1

Not Detected
Expected RT: 4.36

Processing Integration Results



Manual Integration Results



RT: 4.34
Area: 461
Amount: 0.001407
Amount Units: ng/ml

Reviewer: khanphomeea, 01-Dec-2022 11:22:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

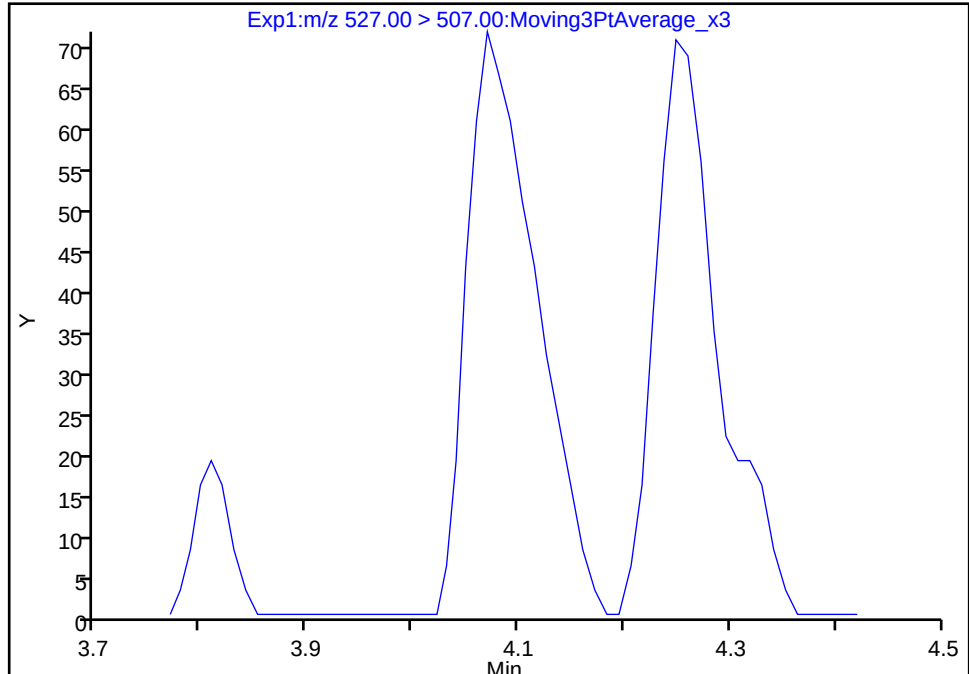
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A14.d				
Injection Date:	30-Nov-2022 11:02:54	Instrument ID:	LC812		
Lims ID:	460-269761-A-5-B	Lab Sample ID:	200-269761-5		
Client ID:	BCS-09-10_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

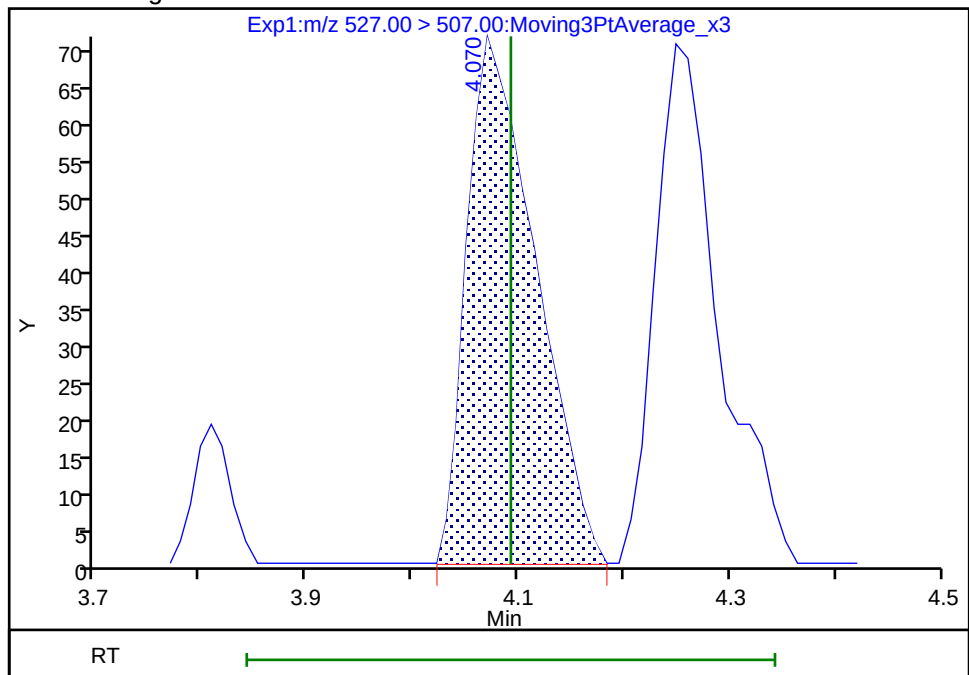
Signal: 1

Not Detected
Expected RT: 4.09

Processing Integration Results



Manual Integration Results

RT: 4.07
Area: 327
Amount: 0.000828
Amount Units: ng/ml

Reviewer: khanphomeea, 01-Dec-2022 11:21:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

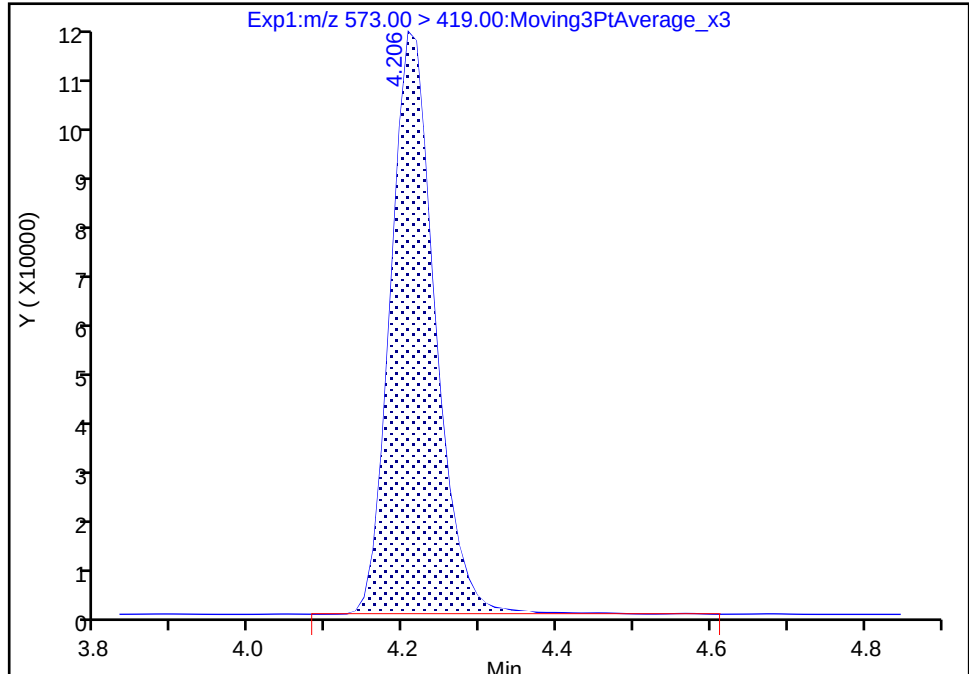
Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A14.d				
Injection Date:	30-Nov-2022 11:02:54	Instrument ID:	LC812		
Lims ID:	460-269761-A-5-B	Lab Sample ID:	200-269761-5		
Client ID:	BCS-09-10_(0-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

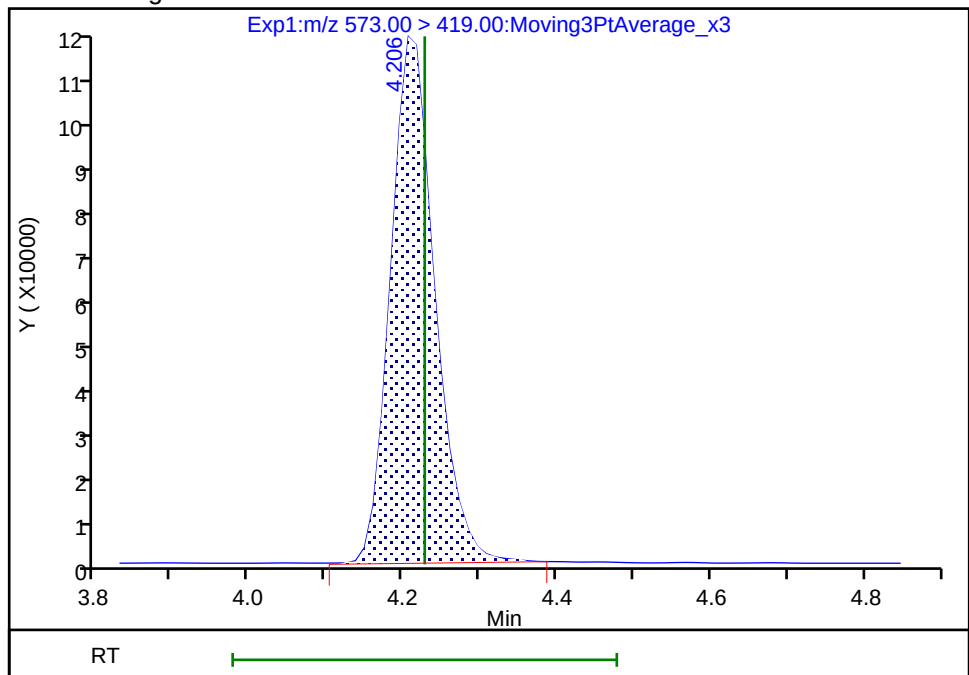
RT: 4.21
Area: 473364
Amount: 1.194220
Amount Units: ng/ml

Processing Integration Results



RT: 4.21
Area: 468174
Amount: 1.181127
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 11:18:45

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.: 460-269761-1 Analy Batch No.: 185958

SDG No.: _____

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

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

Calibration Files

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

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

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins Burlington Job No.: 460-269761-1 Analy Batch No.: 185958

SDG No.: _____

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

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

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Perfluorooctanesulfonic acid (PFOS)	1.3844 1.1060	1.3450	1.1741	1.1401	1.1472	AveI D		1.216 1				9.7		20.0			
Perfluorononanoic acid (PFNA)	1.0746 0.9714	1.0661	1.1036	0.9819	1.0265	AveI D		1.037 4				5.1		20.0			
9-Chlorohexadecafluoro-3-oxanonane -1-sulfonic acid (9Cl-PF3O)	2.9573 2.5142	2.9305	2.9507	2.7009	2.6934	AveI D		2.791 2				6.5		20.0			
Perfluorononanesulfonic acid (PFNS)	0.9829 0.8558	0.9757	0.9391	0.8663	0.8876	AveI D		0.917 9				6.1		20.0			
Perfluorodecanoic acid (PFDA)	1.1661 0.9356	1.1171	1.2688	1.0261	0.9931	AveI D		1.084 5				11.3		20.0			
8:2 FTS	1.6292 1.5472	1.6701	1.7320	1.5441	1.5795	AveI D		1.617 0				4.6		20.0			
Perfluorooctanesulfonamide (FOSA)	1.0869 0.9680	1.1382	1.0618	0.9865	1.0270	AveI D		1.044 7				6.1		20.0			
N-methylperfluorooctanesulfonamido acetic acid (NMeFOSAA)	1.0455 0.8611	0.8925	0.9842	0.8638	0.8494	L1ID	0.010 0	0.860 2							0.9990		0.9900
Perfluorodecanesulfonic acid (PFDS)	0.7474 0.6922	0.7456	0.7794	0.6770	0.7070	AveI D		0.724 8				5.4		20.0			
Perfluoroundecanoic acid (PFUnA)	1.0465 0.9002	1.0407	1.1264	0.9789	0.9541	AveI D		1.007 8				7.9		20.0			
N-ethylperfluorooctanesulfonamidoa cetic acid (NEtFOSAA)	0.9658 0.8407	0.9508	0.9147	0.8447	0.8547	AveI D		0.895 3				6.2		20.0			
11-Chloroeicosafuoro-3-oxaundecan e-1-sulfonic acid (11Cl-PF	4.6158 3.6495	4.6481	4.4955	4.2280	4.1787	AveI D		4.302 6				8.7		20.0			
Perfluorododecanoic acid (PFDoA)	1.1560 0.9277	1.1325	1.1436	1.0327	0.9642	AveI D		1.059 5				9.3		20.0			
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	1.0867 0.9589	0.9706	0.9716	0.9361	0.9064	AveI D		0.971 7				6.3		20.0			
Perfluorododecanesulfonic acid (PFDoS)	0.3227 0.2805	0.3244	0.3236	0.2924	0.2963	AveI D		0.306 7				6.3		20.0			
Perfluorotridecanoic acid (PFTriA)	1.0848 0.8766	1.0990	1.0994	0.9438	0.9757	AveI D		1.013 2				9.3		20.0			
Perfluorotetradecanoic acid (PFTeA)	0.1527 0.1272	0.1391	0.1459	0.1277	0.1289	AveI D		0.136 9				7.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins Burlington Job No.: 460-269761-1 Analy Batch No.: 185958

SDG No.: _____

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

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

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

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins Burlington Job No.: 460-269761-1 Analy Batch No.: 185958

SDG No.: _____

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

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

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

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins Burlington Job No.: 460-269761-1 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.: 460-269761-1 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.: 460-269761-1 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.: 460-269761-1 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.: 460-269761-1 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

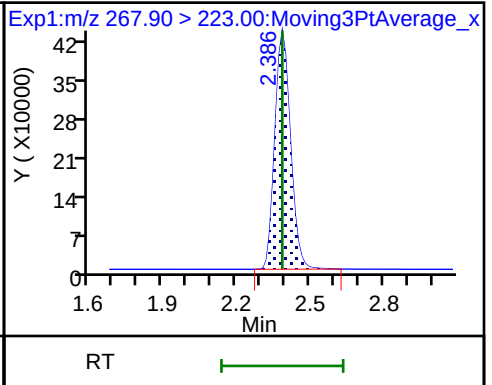
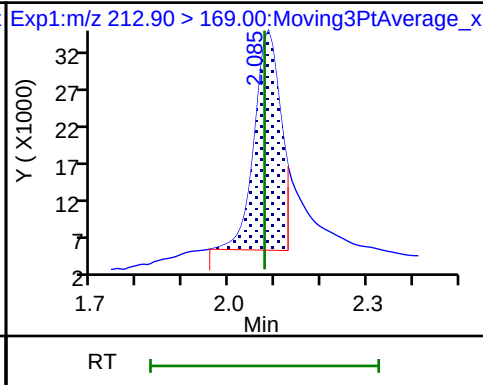
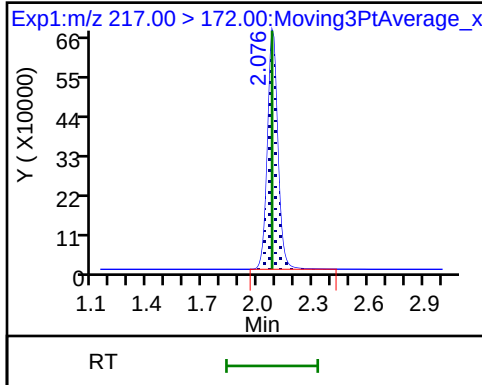
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

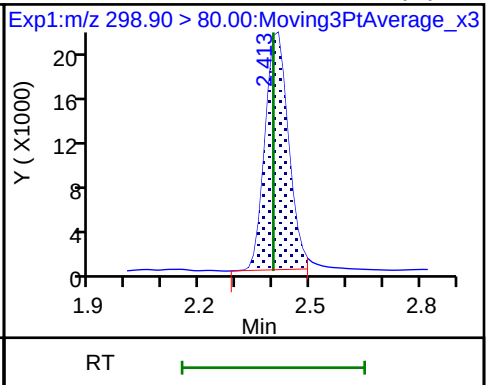
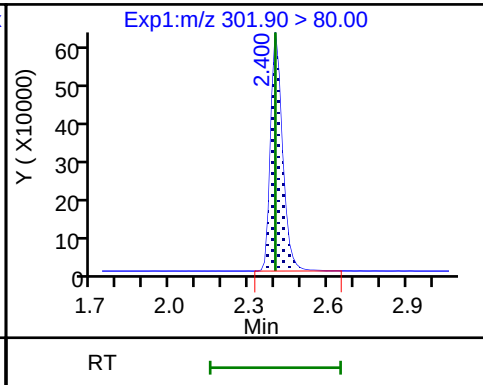
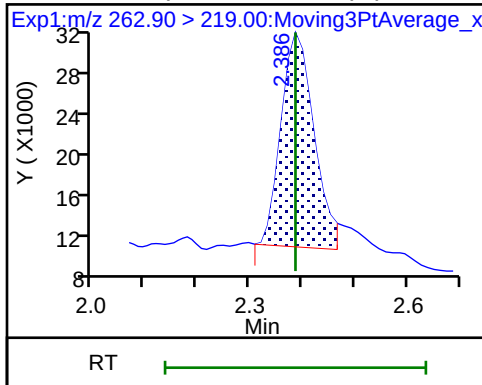
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

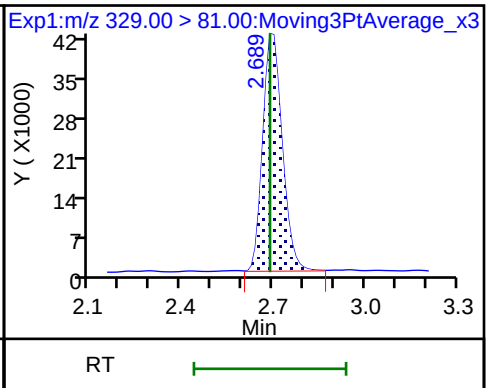
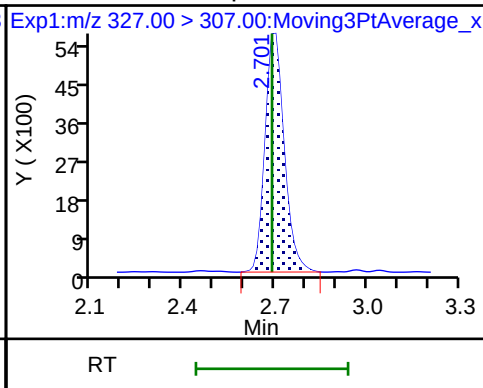
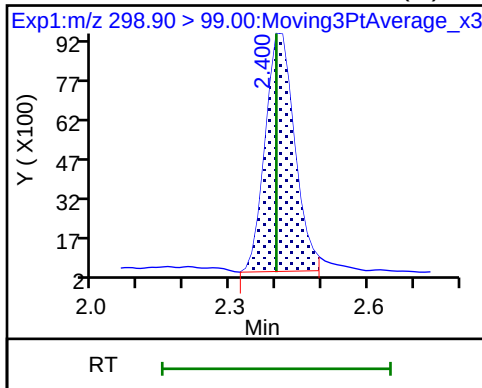
D 47 13C3 PFBS

5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

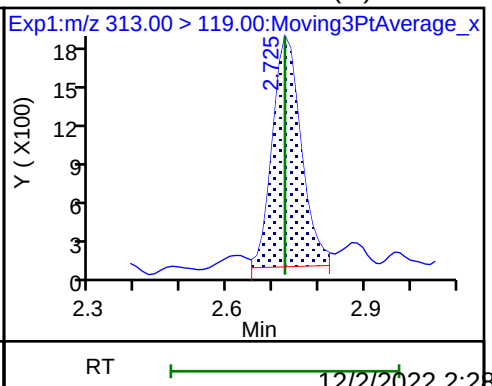
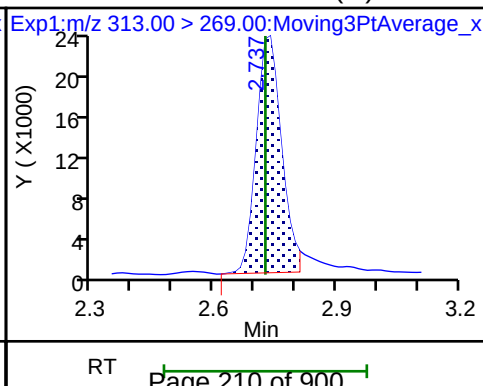
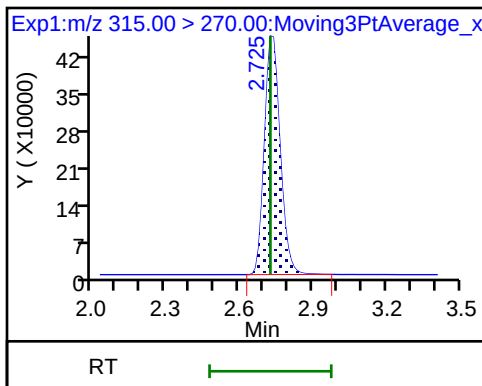
61 1H,1H,2H,2H-perfluorohexanesulfo D 60 M2-4:2 FTS

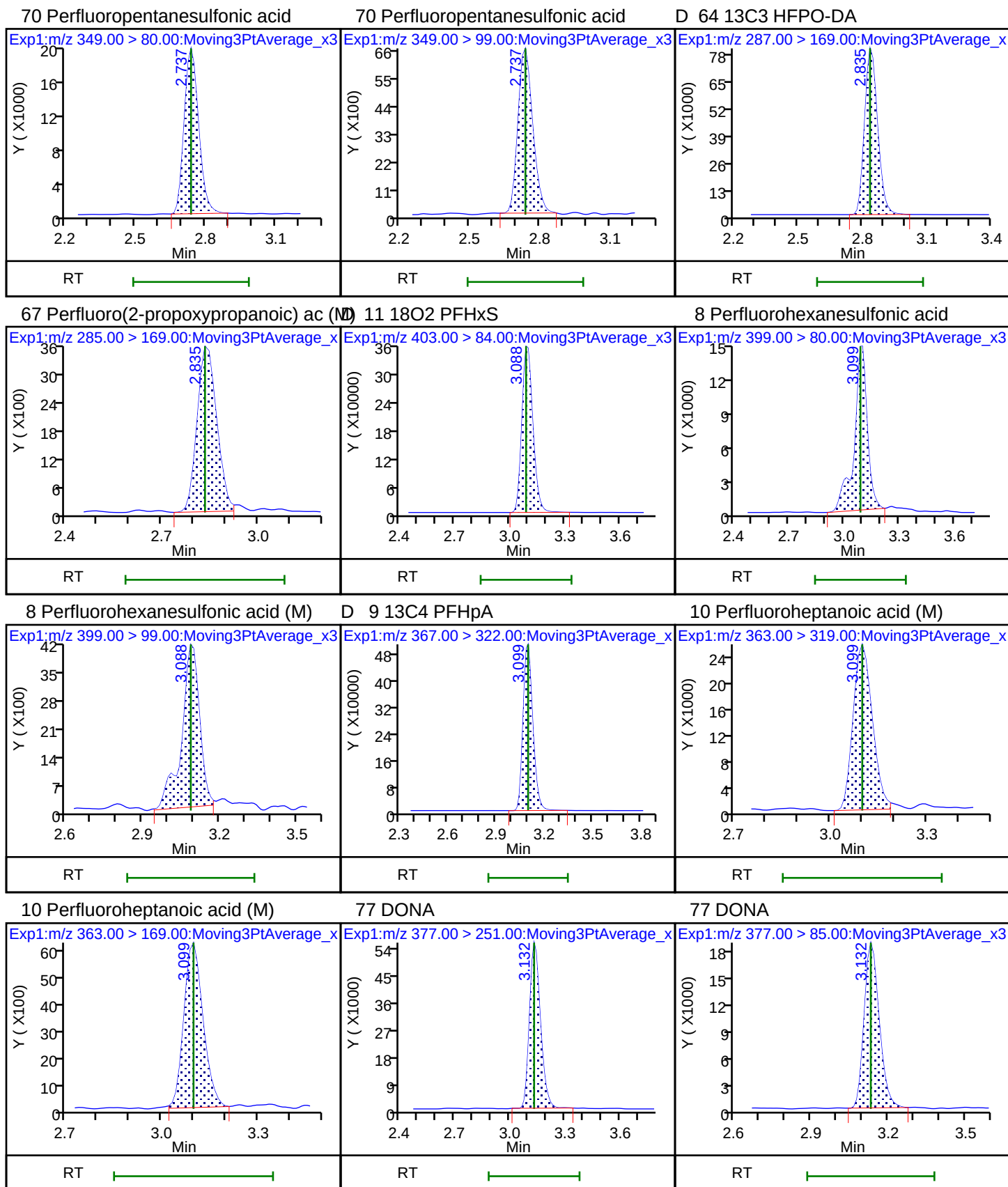


D 7 13C2 PFHxA

6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid (M)

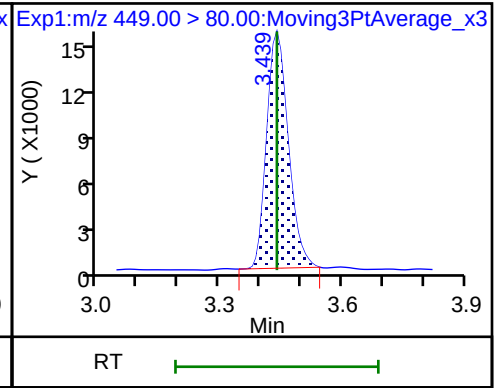
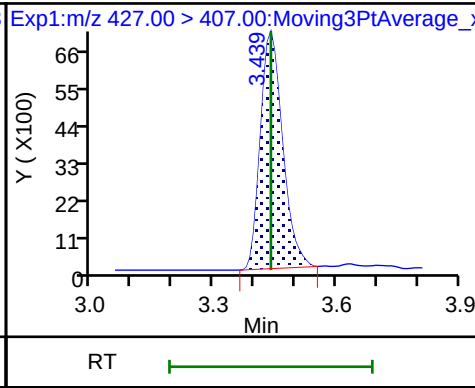
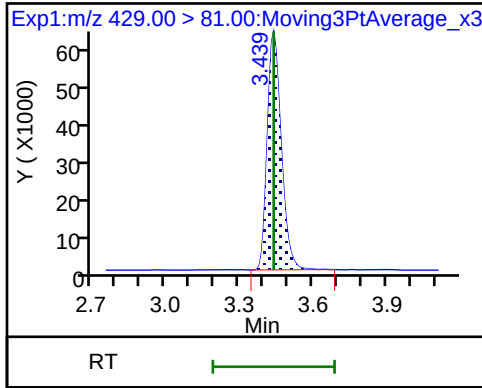




D 12 M2-6:2 FTS

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

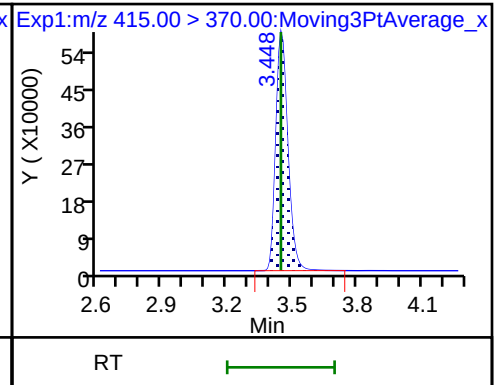
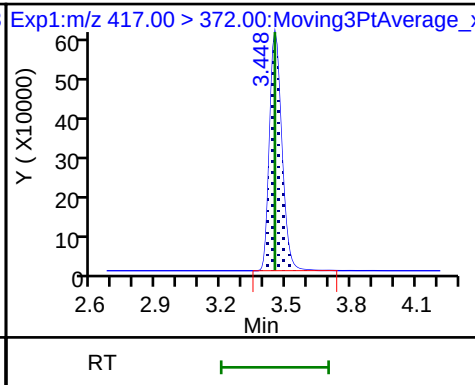
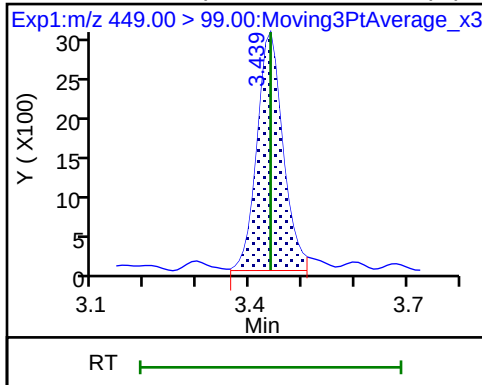
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

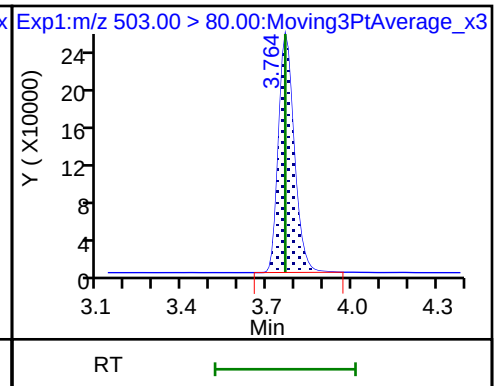
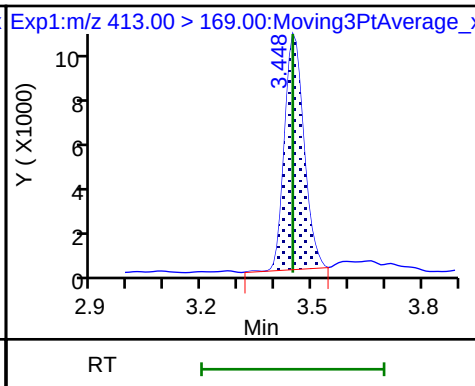
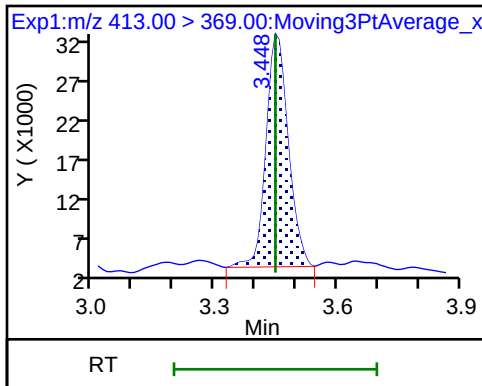
* 62 13C2 PFOA



15 Perfluorooctanoic acid

15 Perfluorooctanoic acid

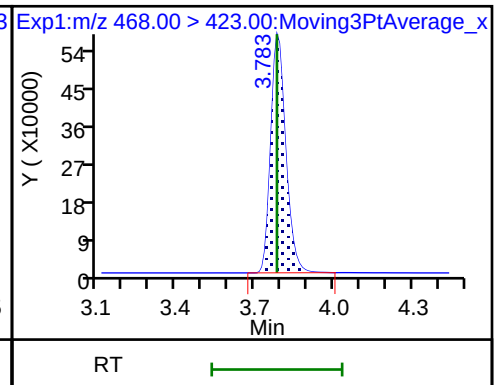
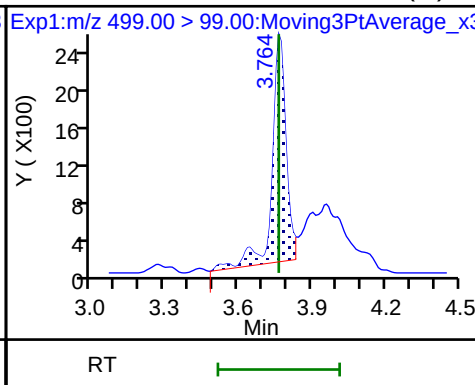
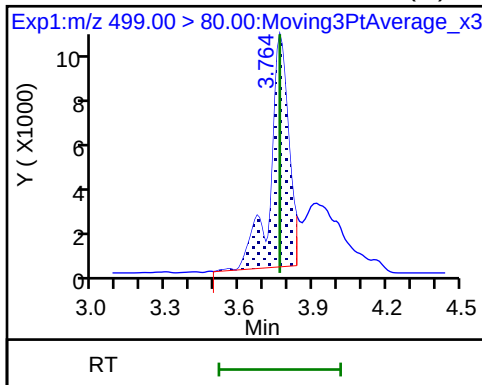
D 18 13C4 PFOS

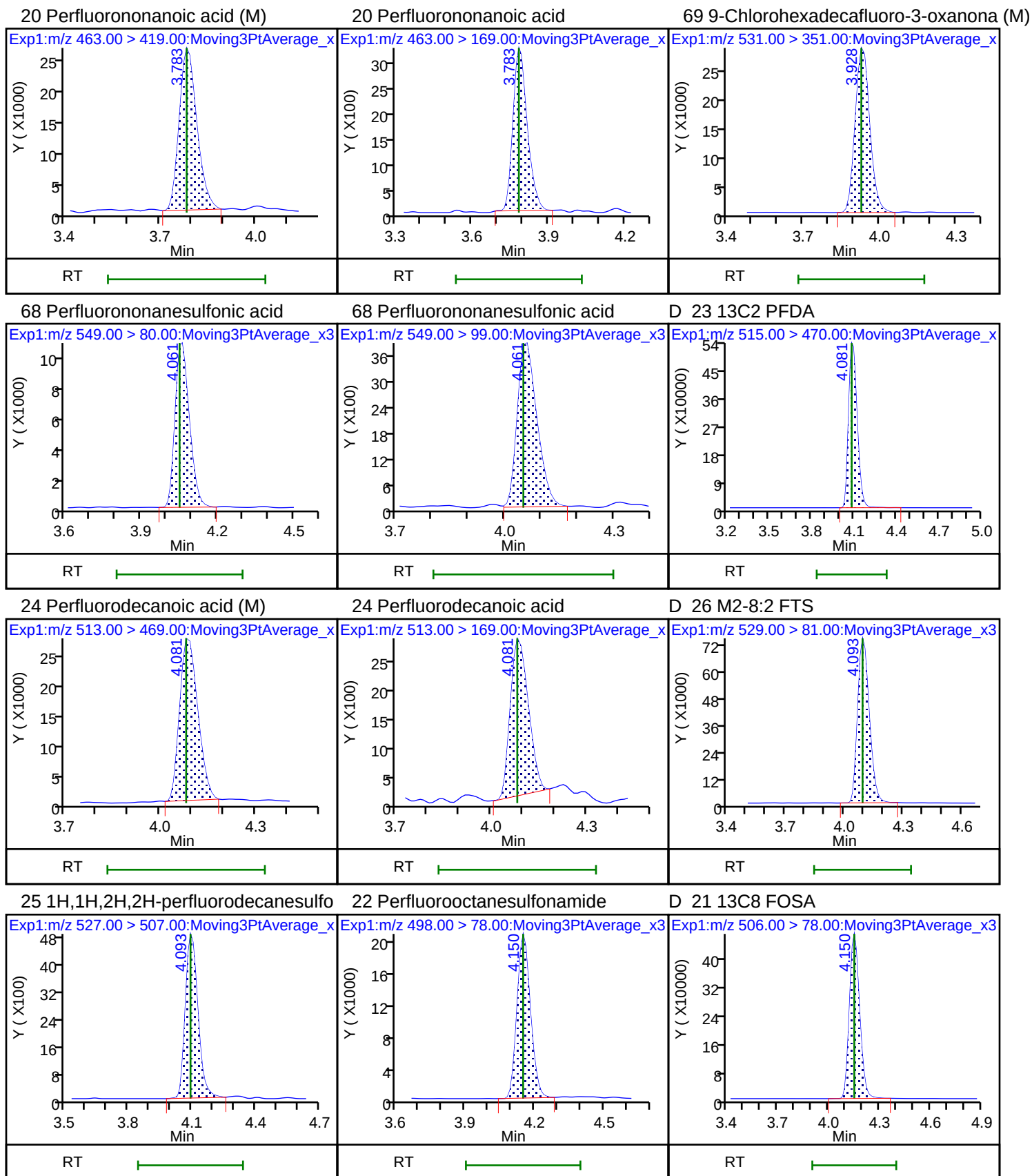


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

D 19 13C5 PFNA

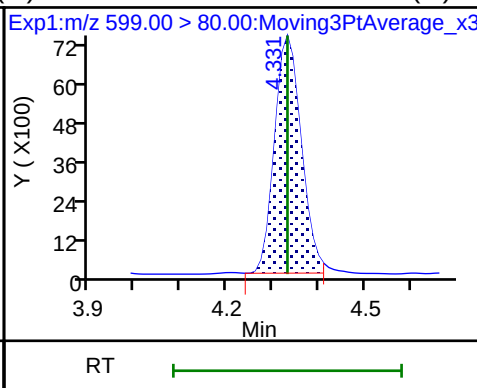
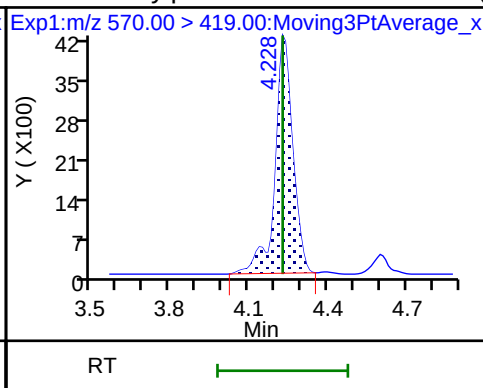
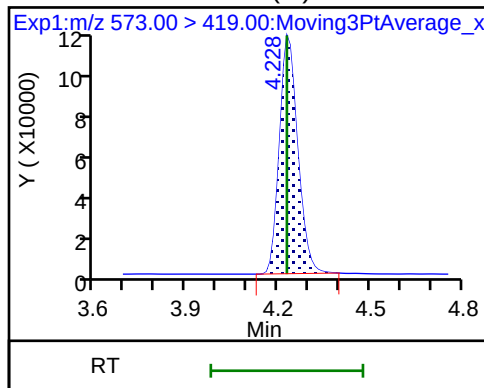




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

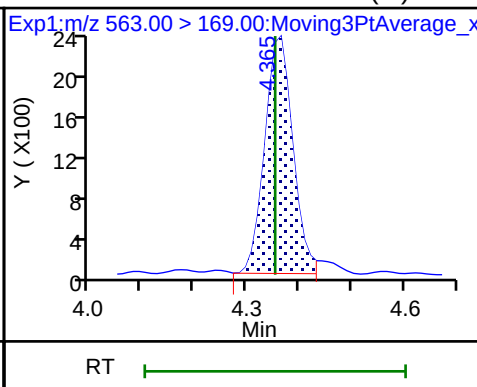
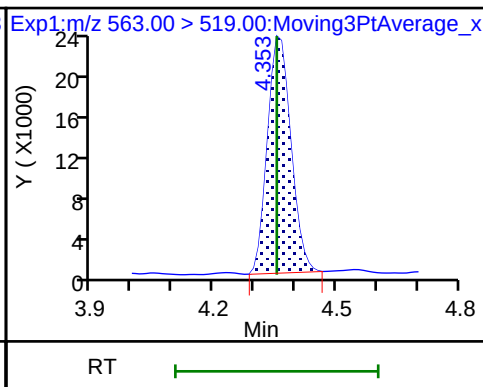
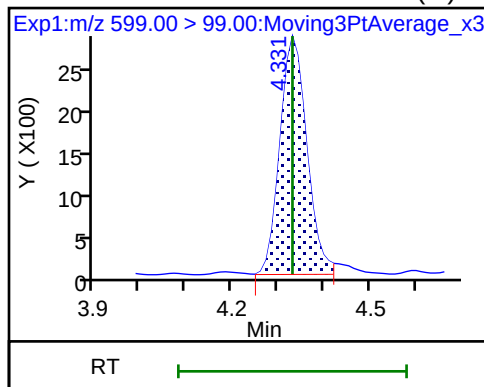
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

31 Perfluoroundecanoic acid

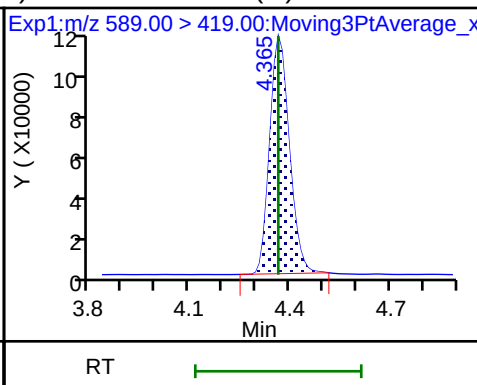
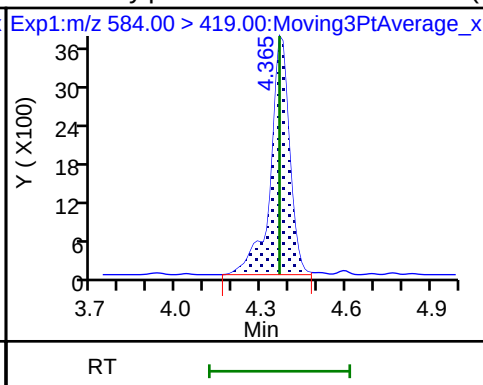
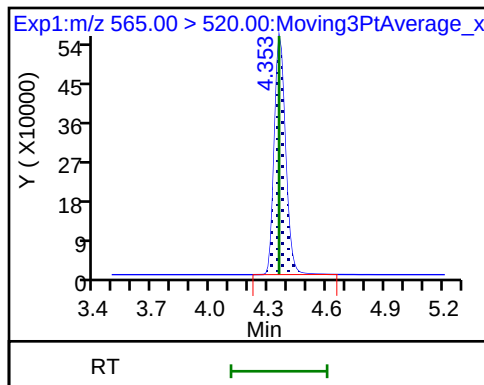
31 Perfluoroundecanoic acid (M)



D 30 13C2 PFUnA

33 N-ethylperfluorooctanesulfonamid (M)

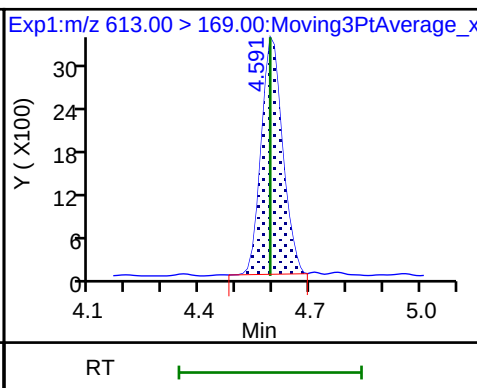
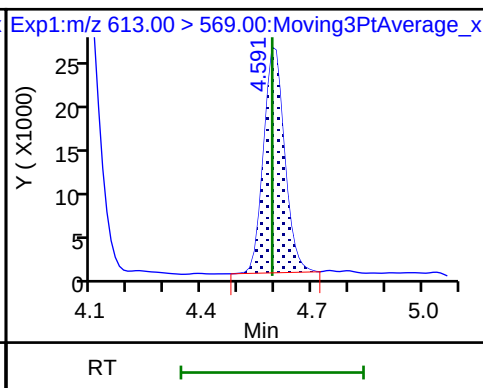
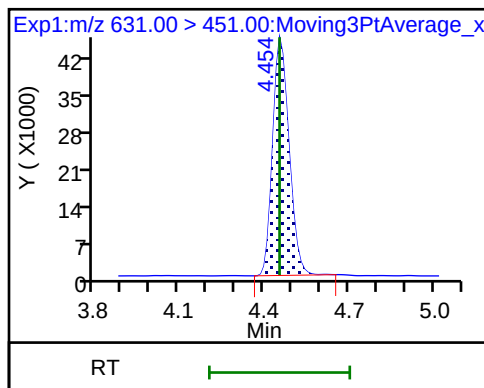
32 d5-NEtFOSAA (M)



66 11-Chloroeicosafluoro-3-oxaundec

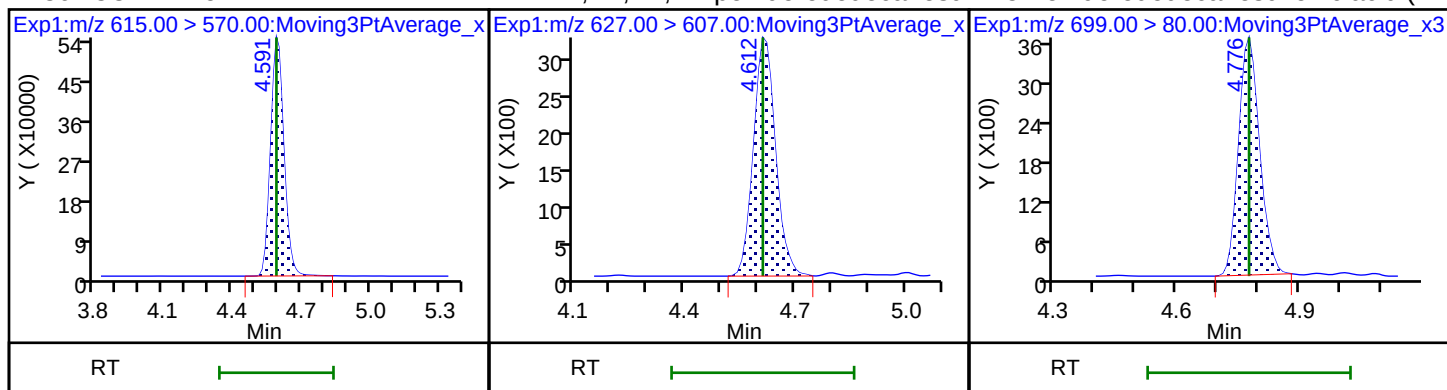
37 Perfluorododecanoic acid

37 Perfluorododecanoic acid



D 36 13C2 PFD0a

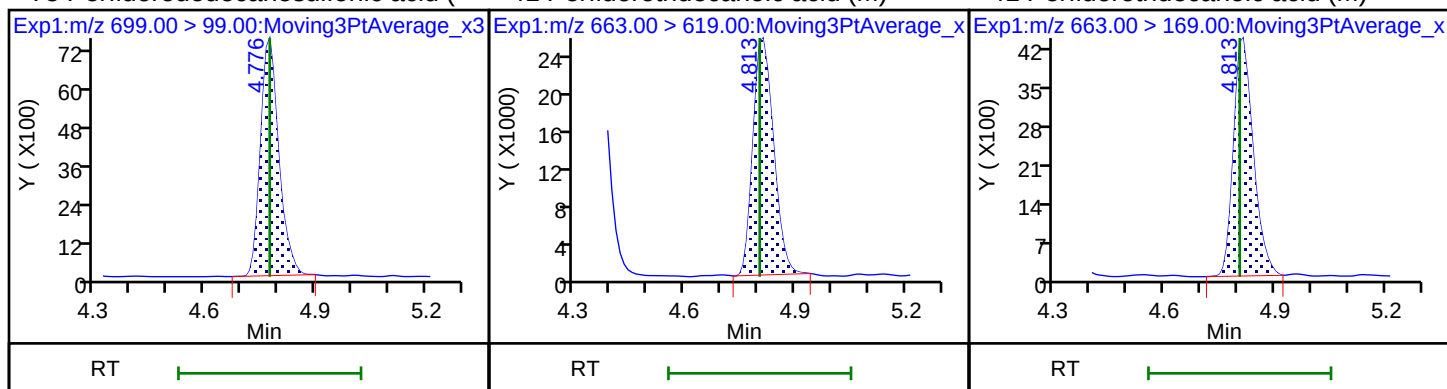
74 1H,1H,2H,2H-perfluorododecanesul 75 Perfluorododecanesulfonic acid (



75 Perfluorododecanesulfonic acid (

41 Perfluorotridecanoic acid (M)

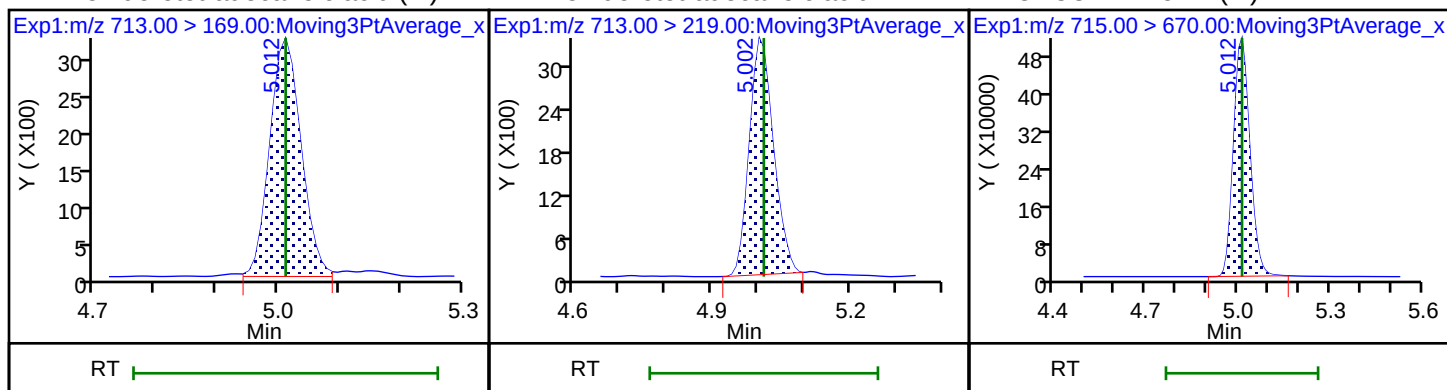
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid

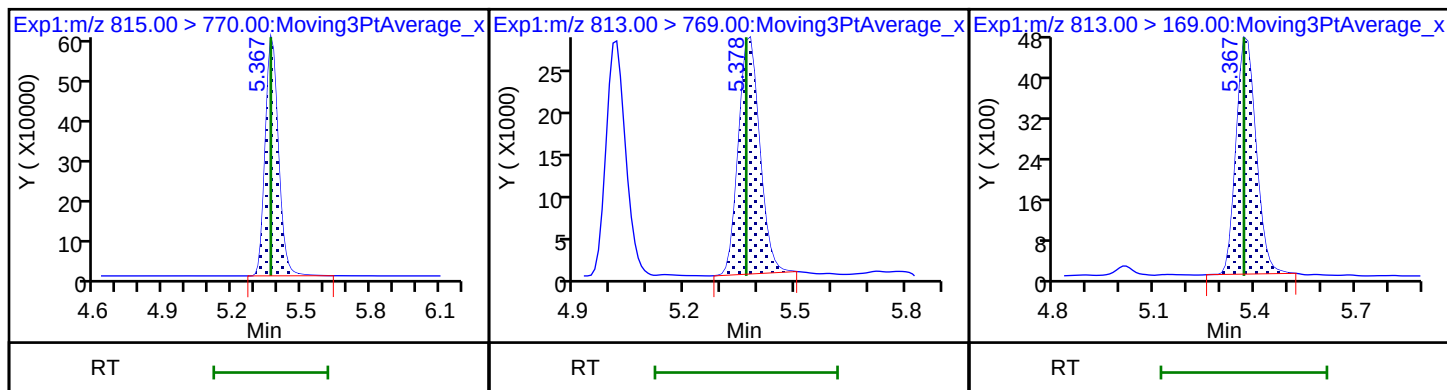
D 43 13C2 PFTeDA (M)



D 44 13C2 PFHxDA

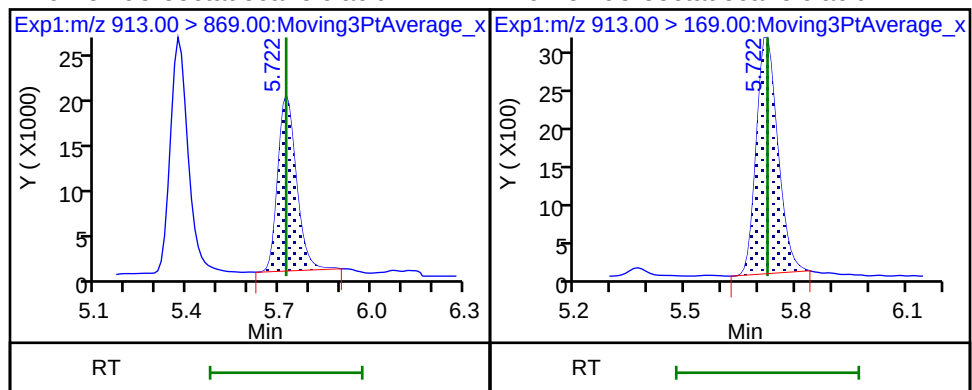
45 Perfluorohexadecanoic acid

45 Perfluorohexadecanoic acid



46 Perfluorooctadecanoic acid

46 Perfluorooctadecanoic acid



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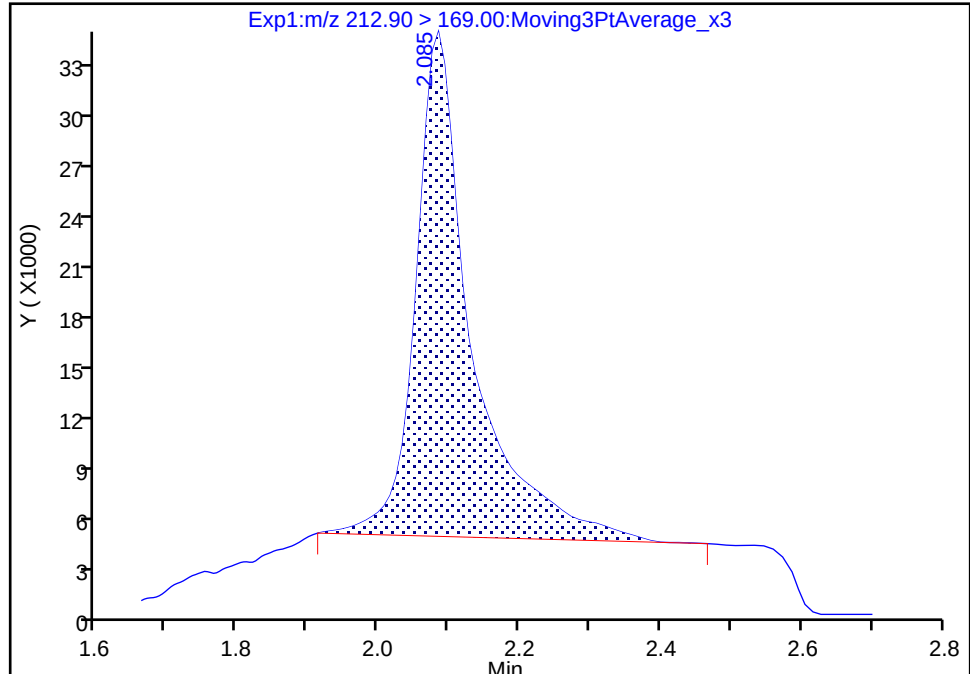
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Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

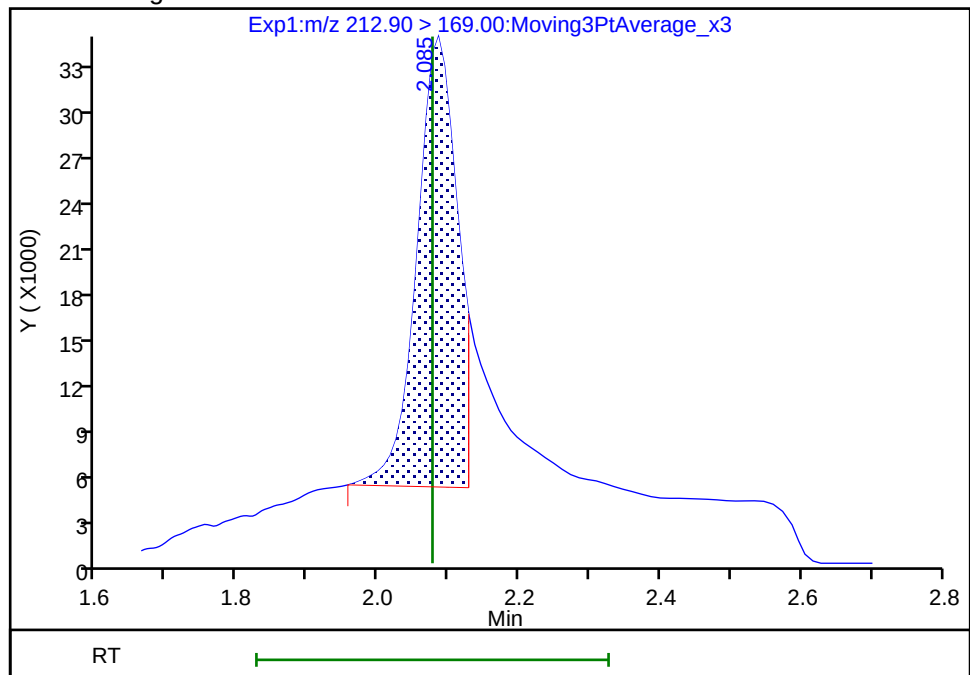
RT: 2.08
Area: 167014
Amount: 0.050000
Amount Units: ng/ml

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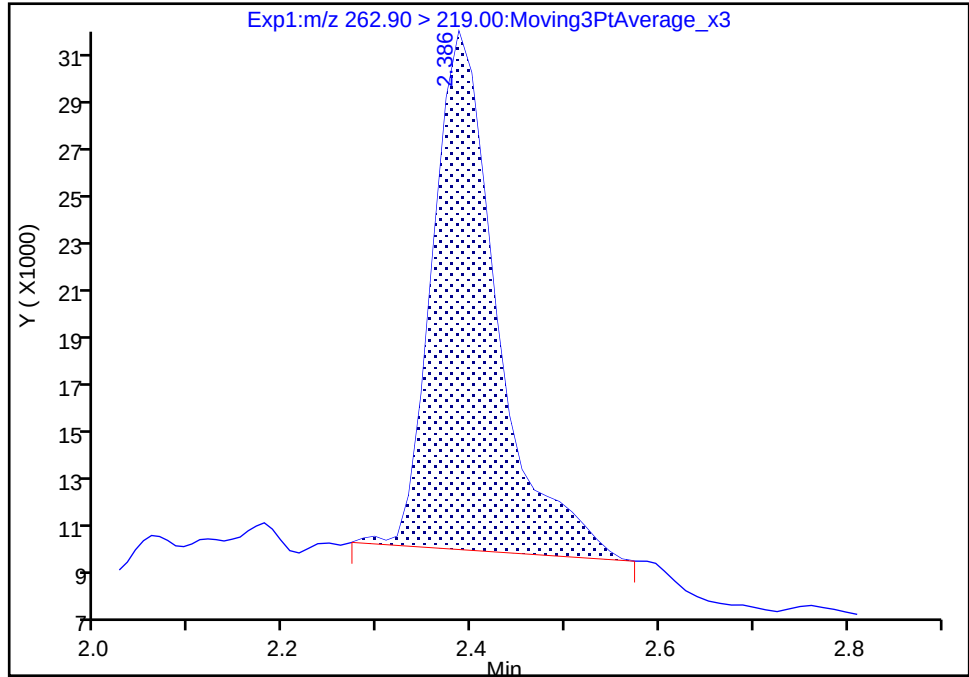
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

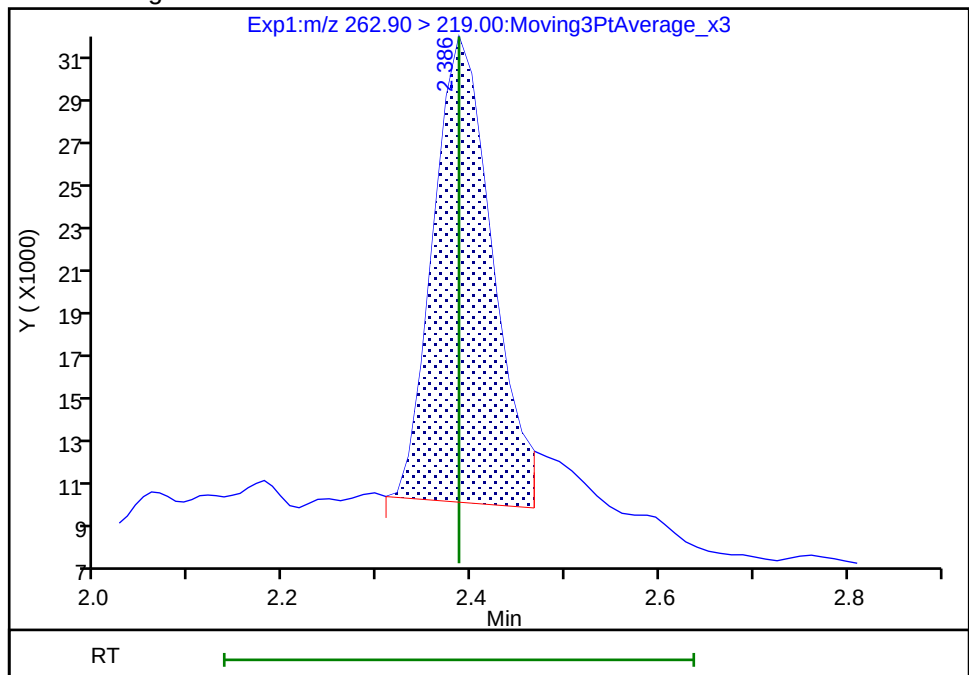
RT: 2.39
Area: 100957
Amount: 0.050000
Amount Units: ng/ml

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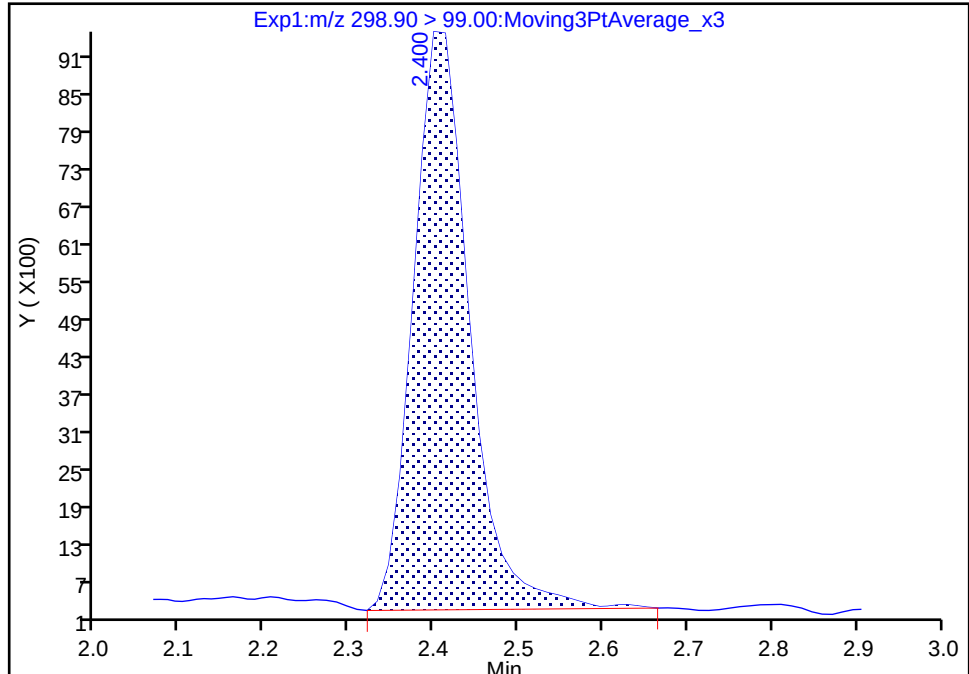
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Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

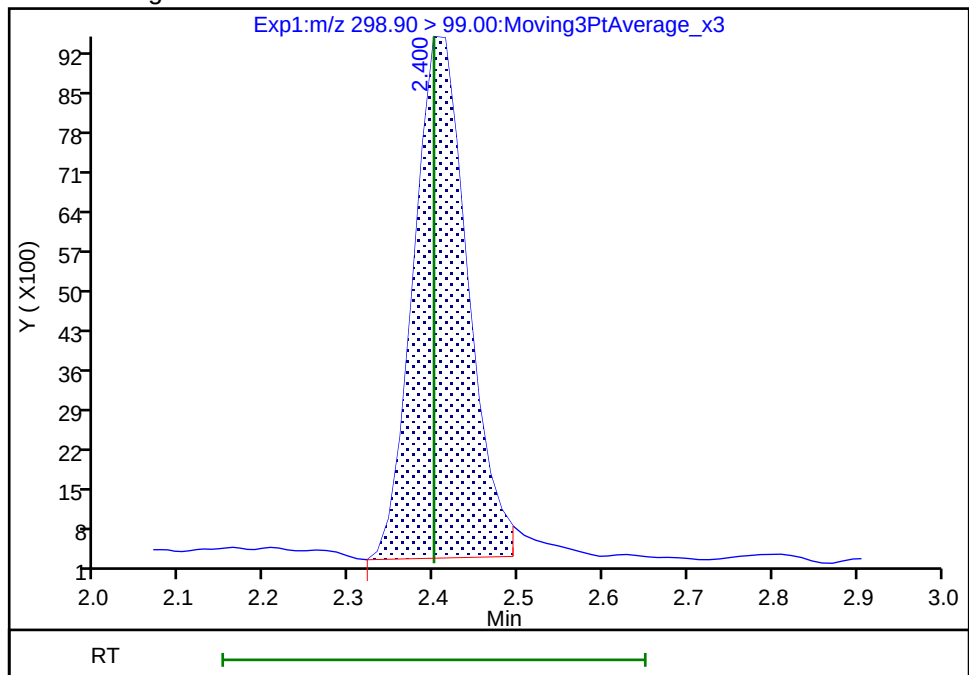
RT: 2.40
Area: 42716
Amount: 0.044200
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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Audit Action: Manually Integrated

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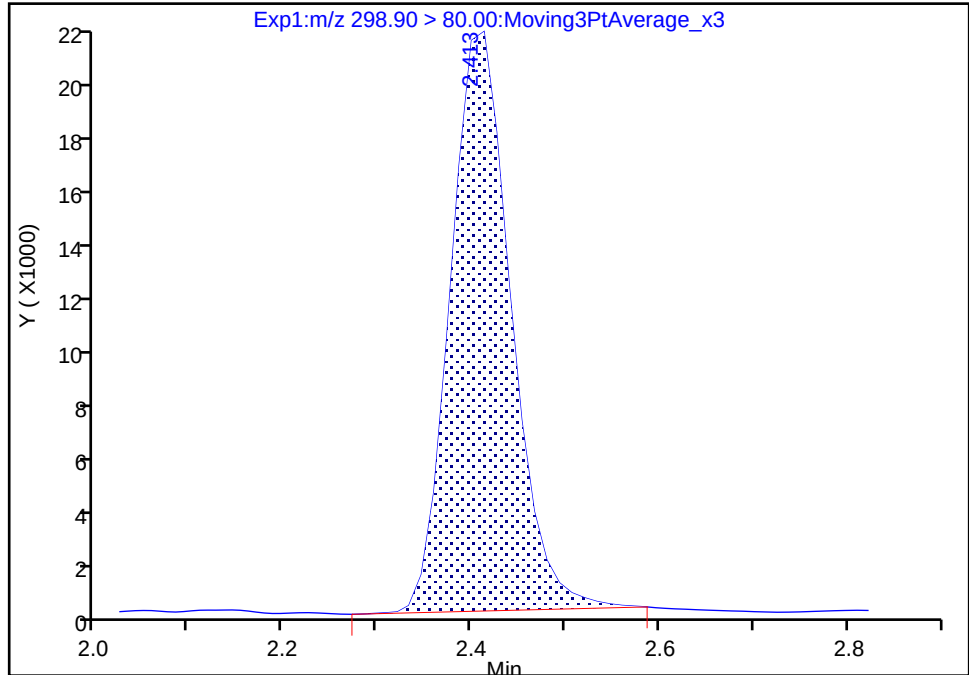
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Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

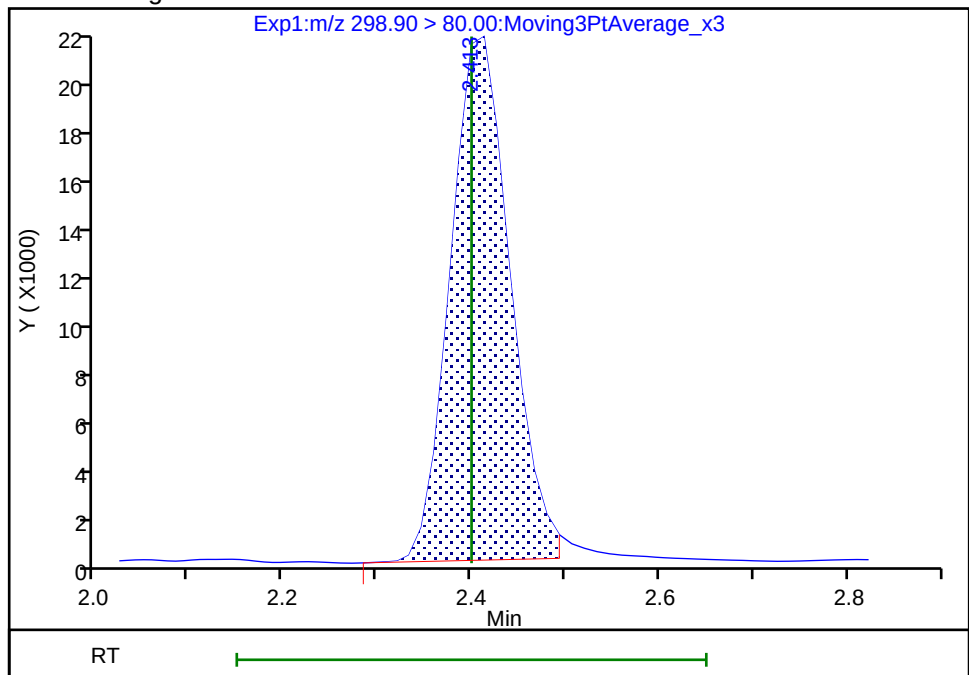
RT: 2.41
Area: 95701
Amount: 0.044200
Amount Units: ng/ml

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

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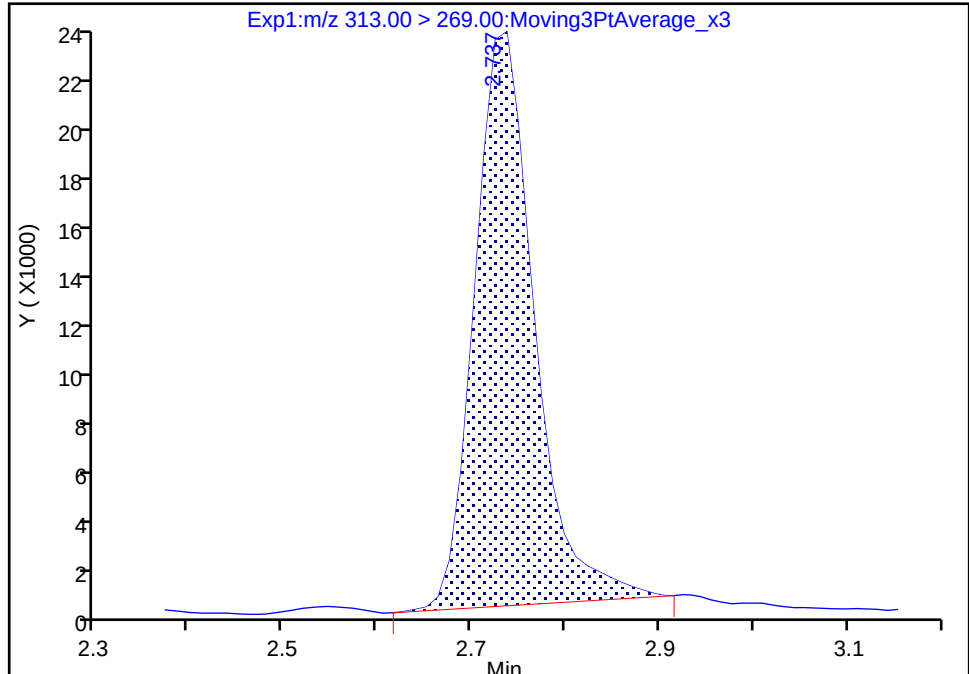
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

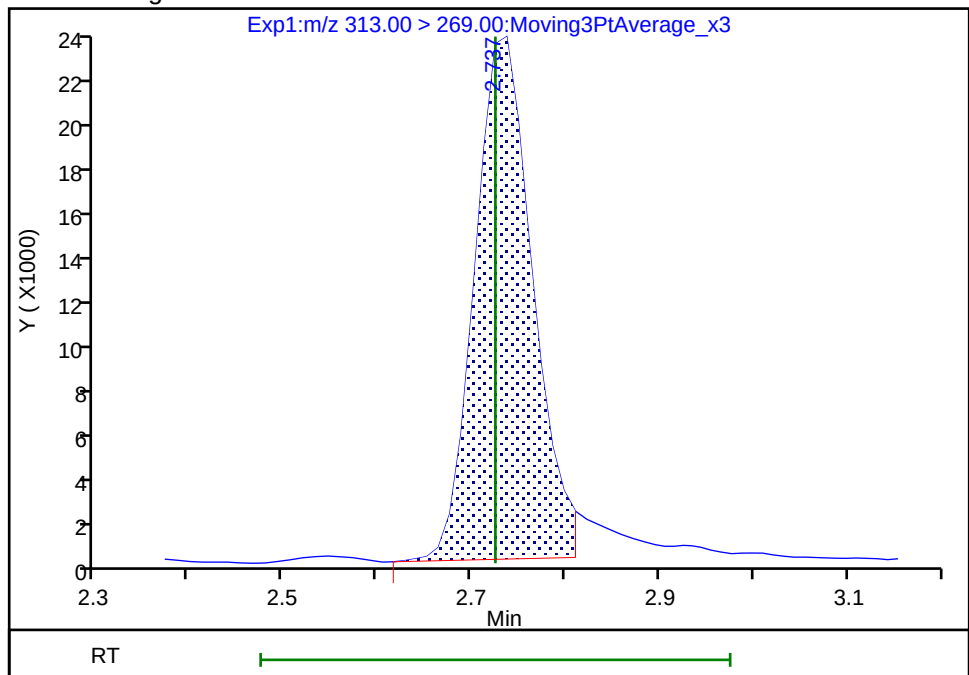
RT: 2.74
Area: 96124
Amount: 0.050000
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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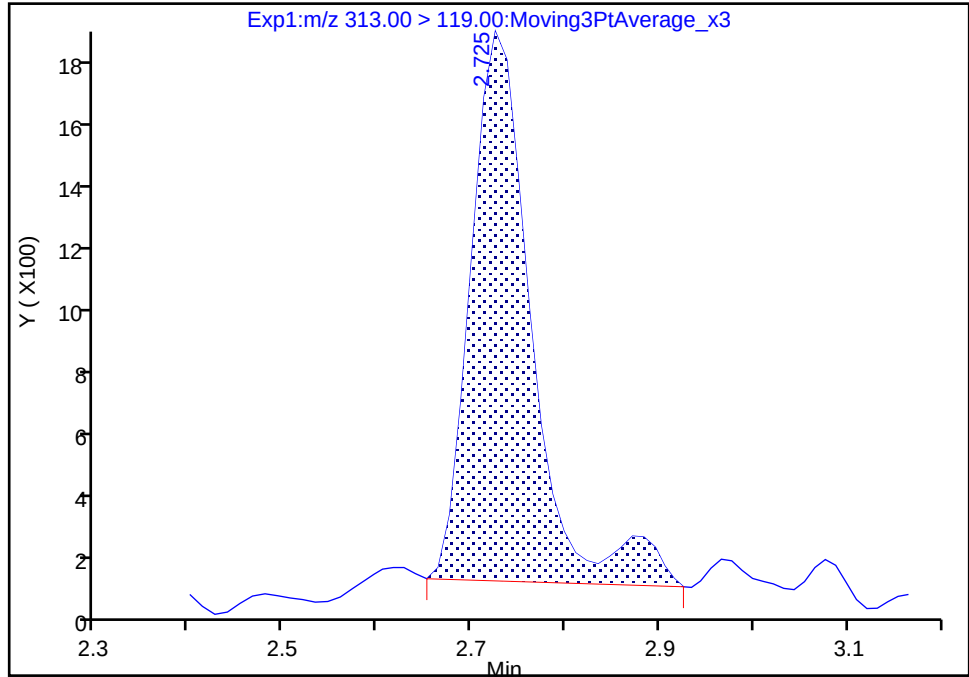
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

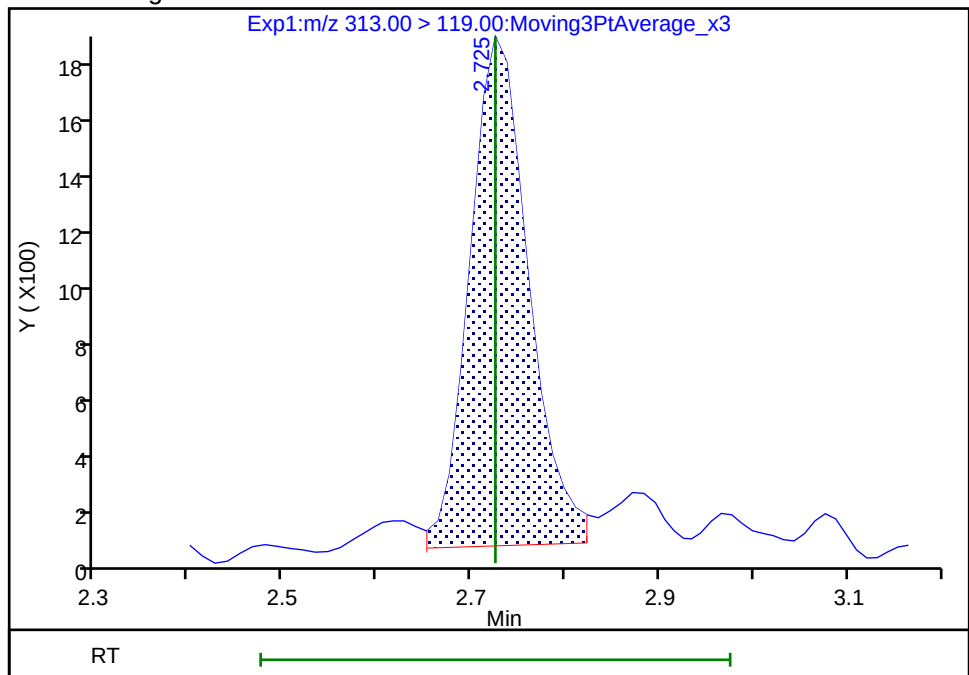
RT: 2.73
Area: 7775
Amount: 0.050000
Amount Units: ng/ml

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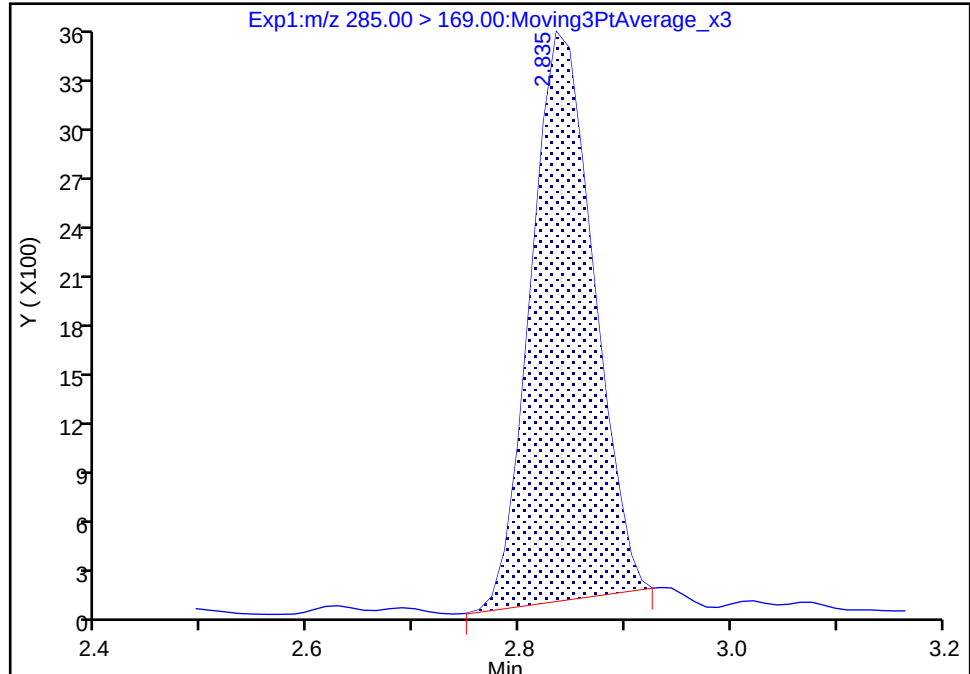
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Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

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

Signal: 1

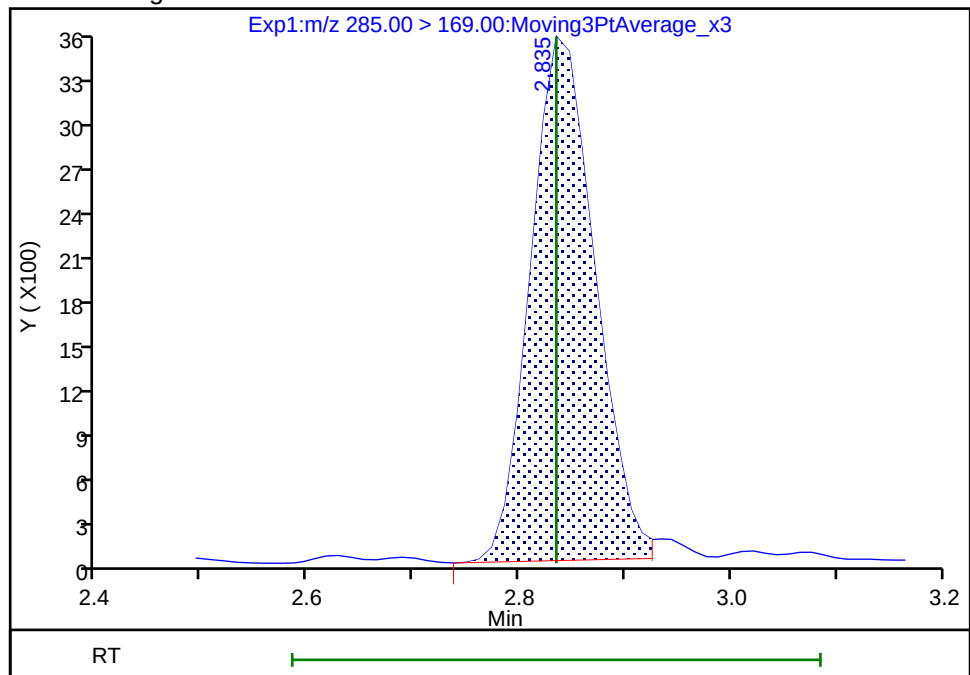
RT: 2.83
Area: 14159
Amount: 0.050000
Amount Units: ng/ml

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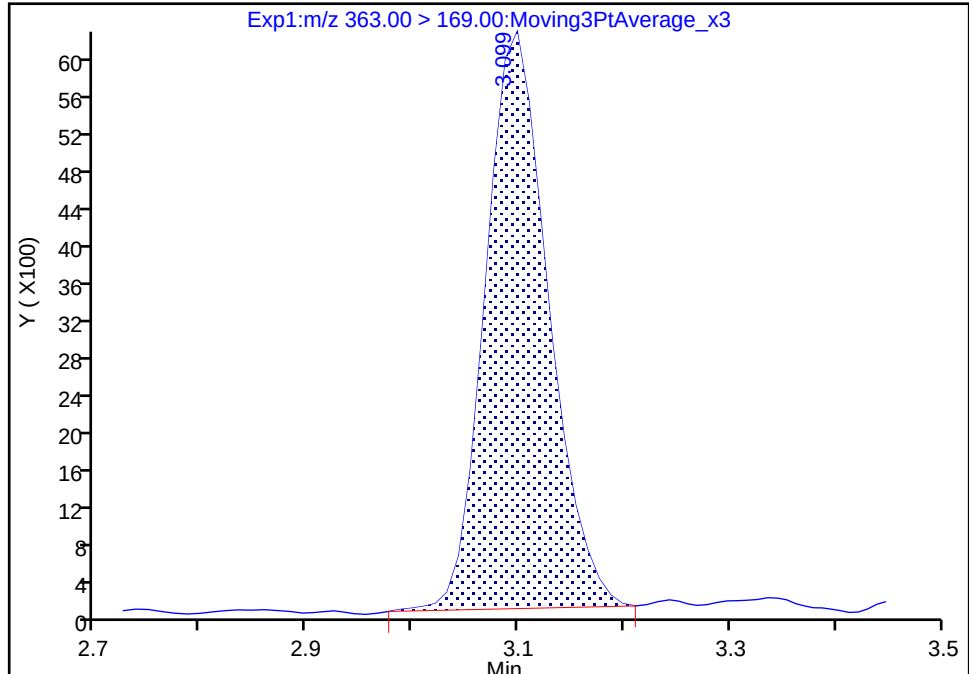
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

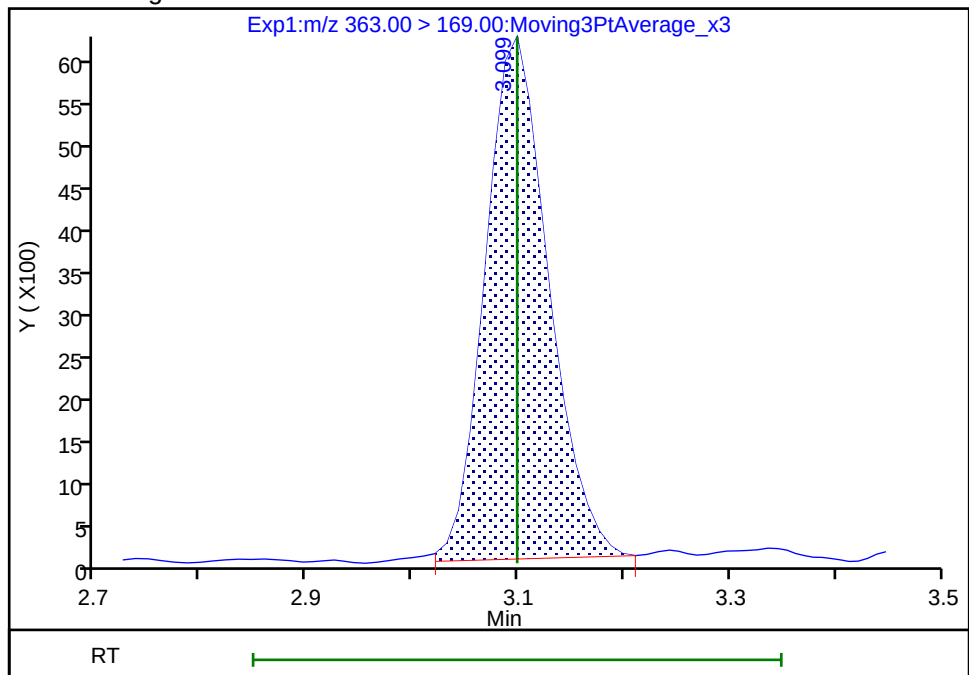
RT: 3.10
Area: 25598
Amount: 0.050000
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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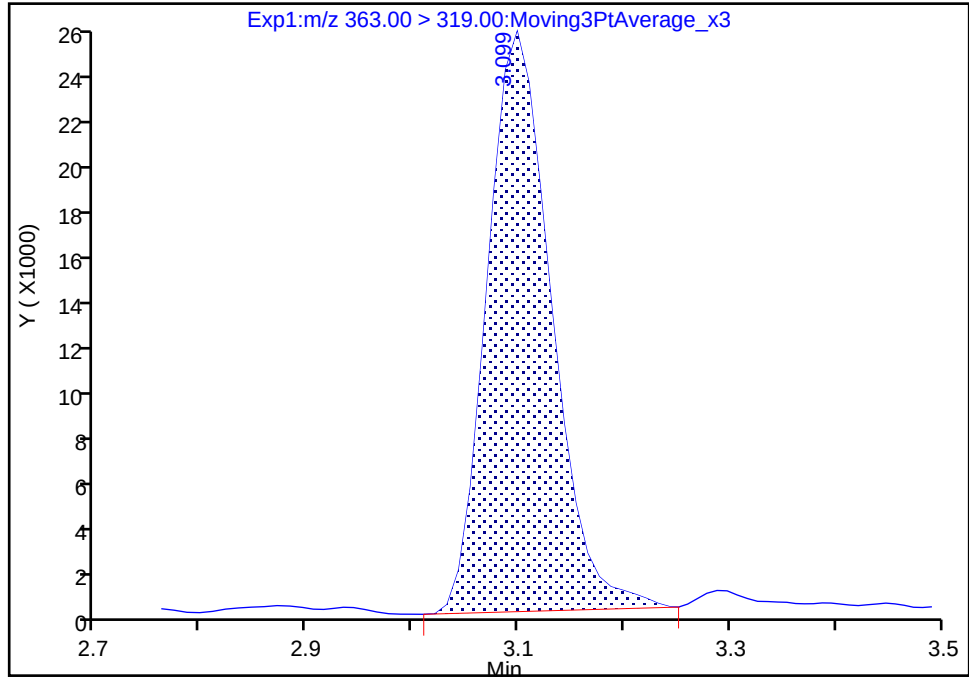
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

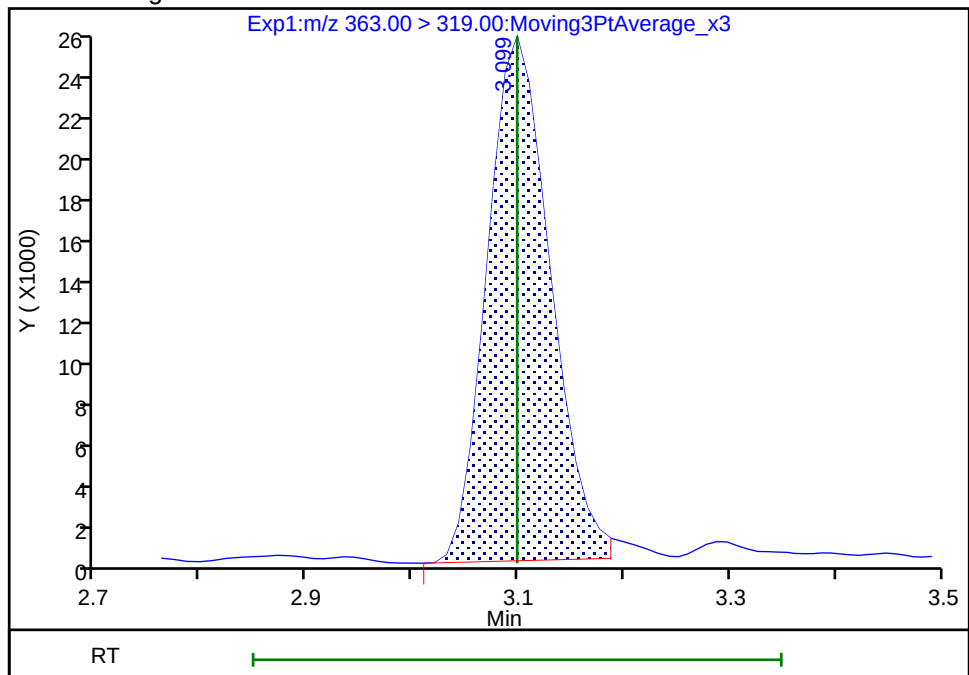
RT: 3.10
Area: 102094
Amount: 0.050000
Amount Units: ng/ml

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

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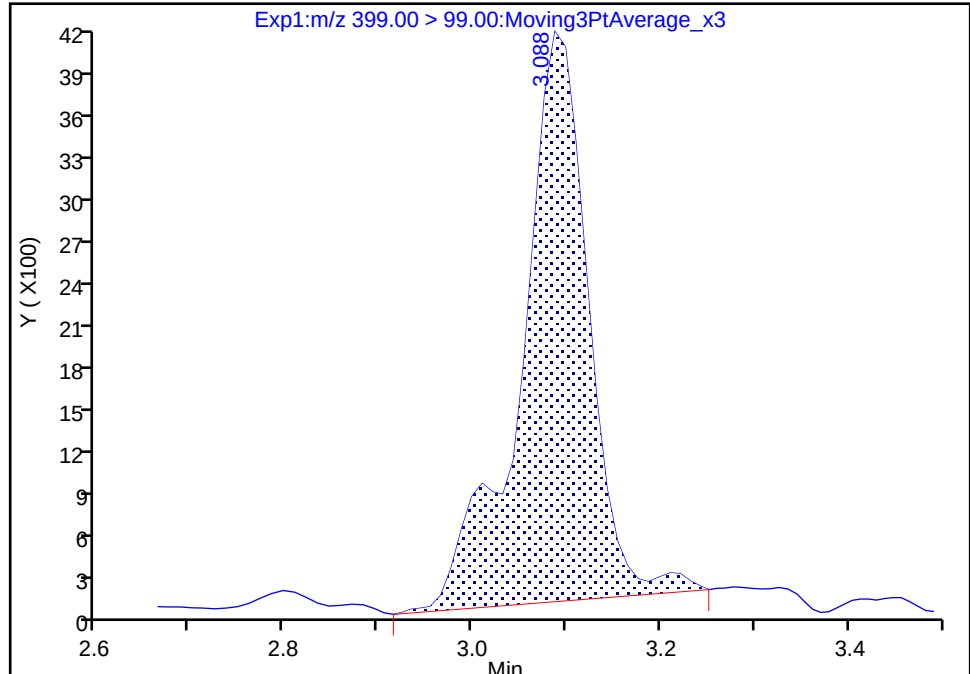
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

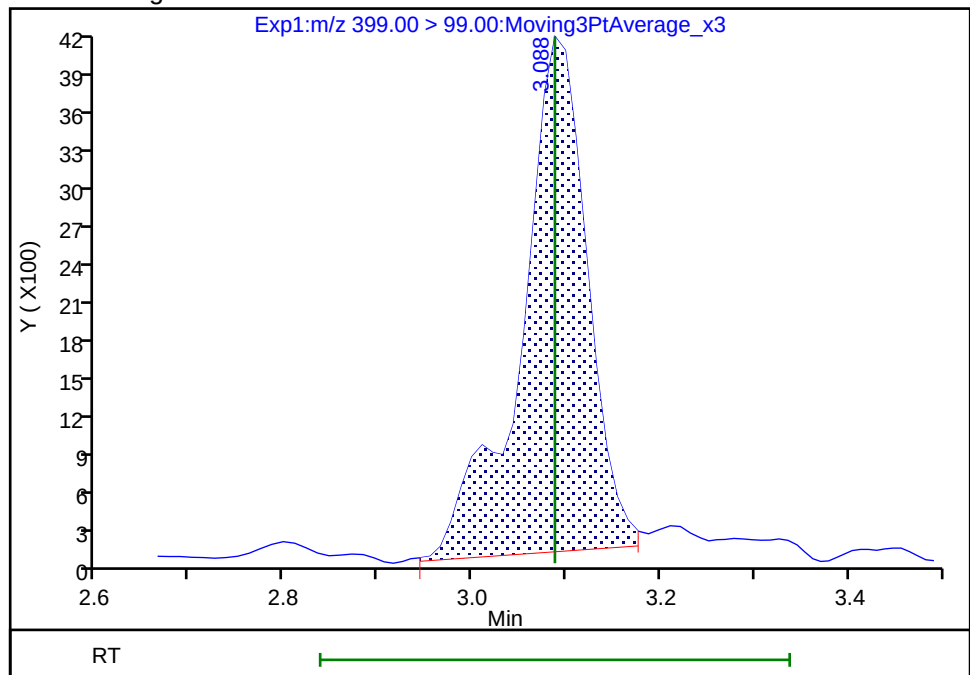
RT: 3.09
Area: 19897
Amount: 0.045500
Amount Units: ng/ml

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

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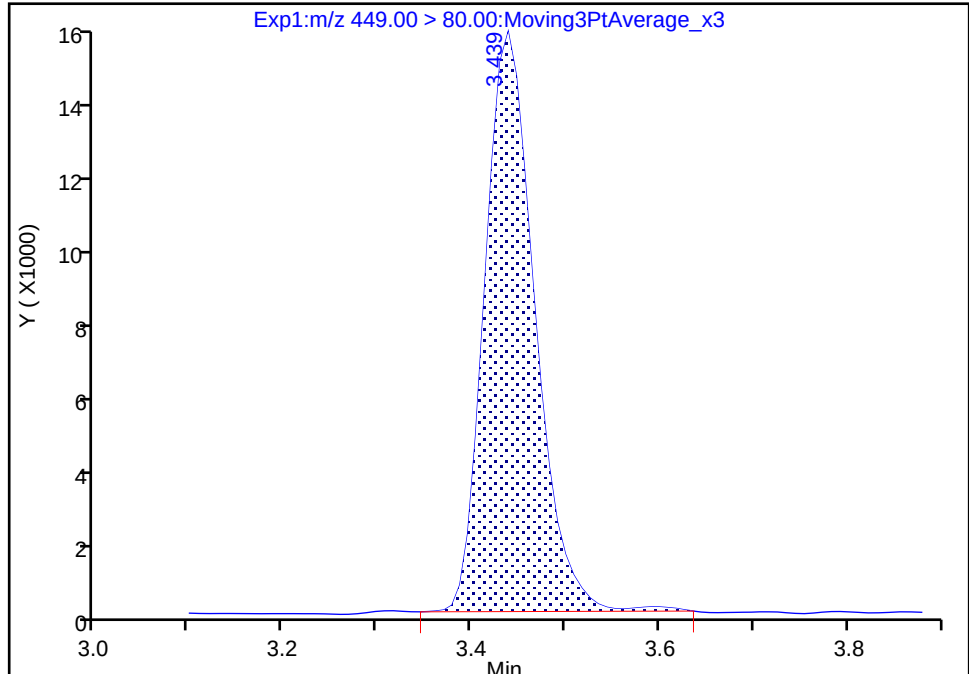
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Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

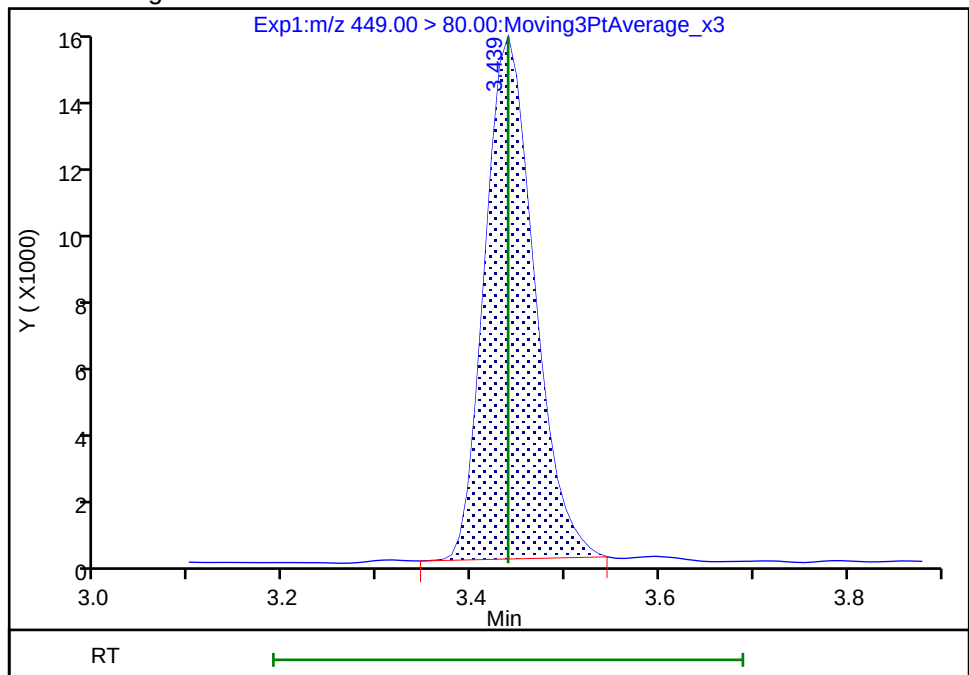
RT: 3.44
Area: 58353
Amount: 0.047600
Amount Units: ng/ml

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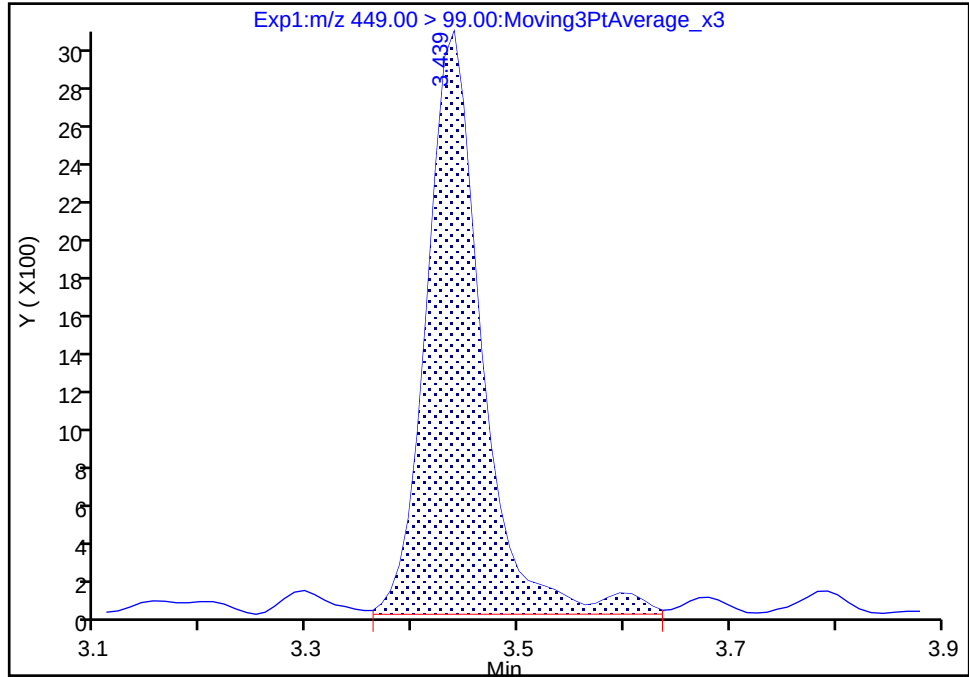
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

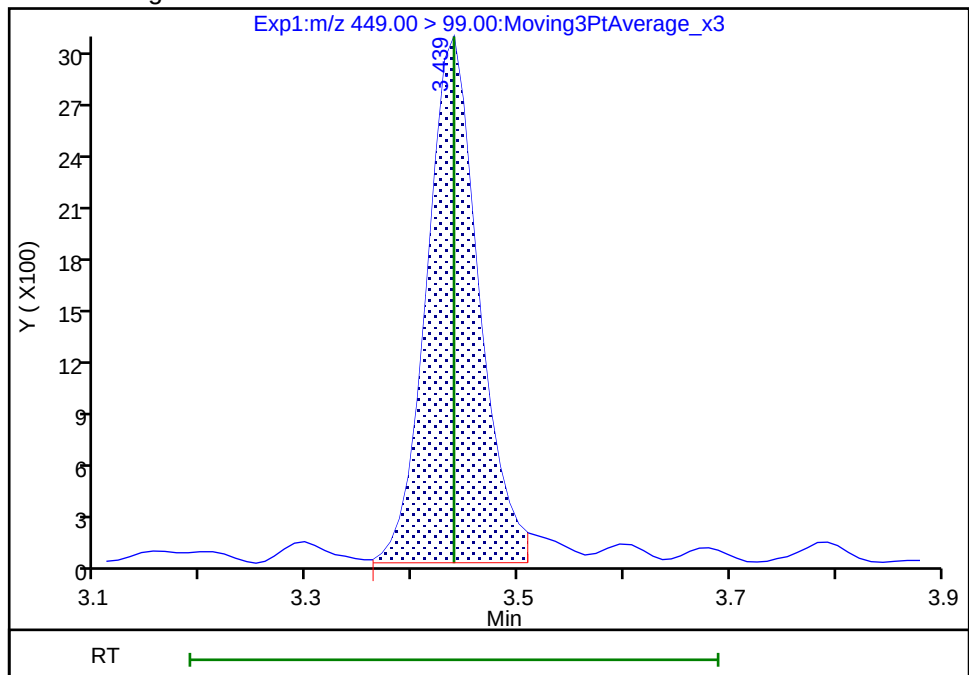
RT: 3.44
Area: 11226
Amount: 0.047600
Amount Units: ng/ml

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

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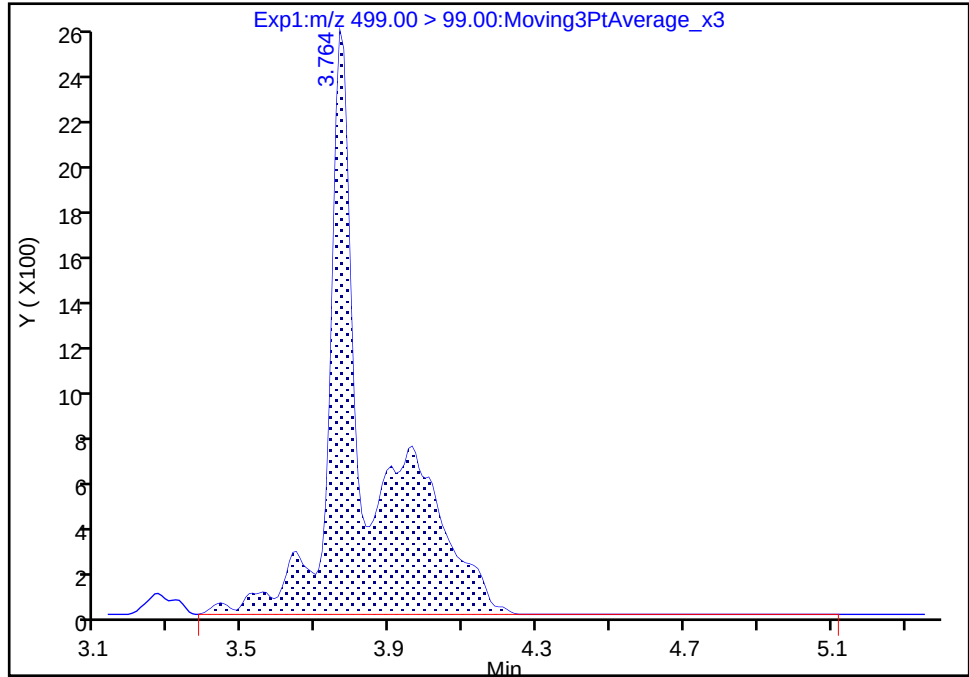
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Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

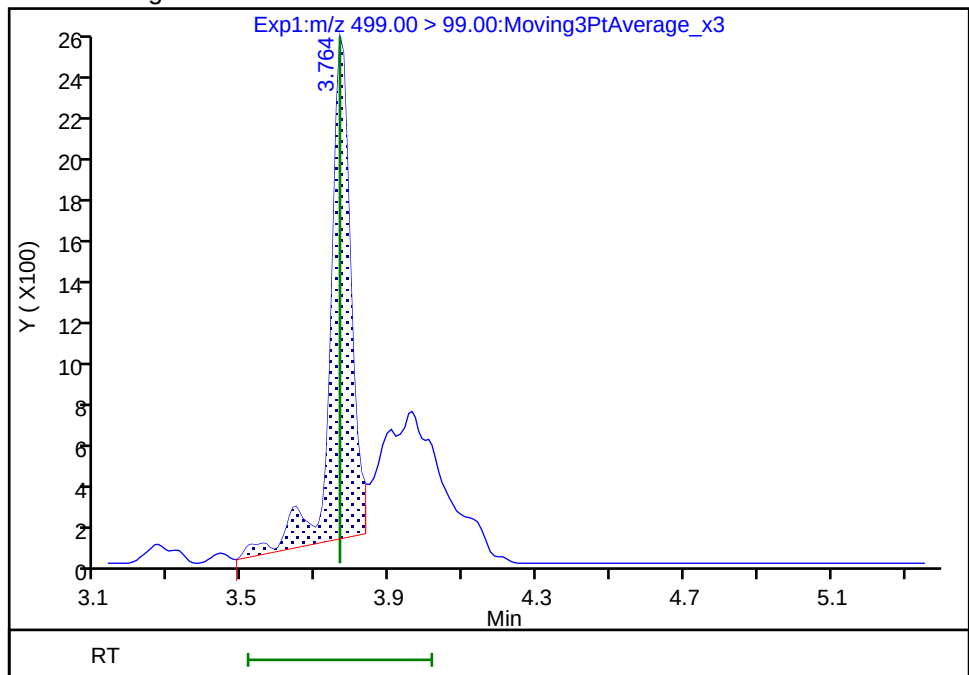
RT: 3.76
Area: 20272
Amount: 0.046400
Amount Units: ng/ml

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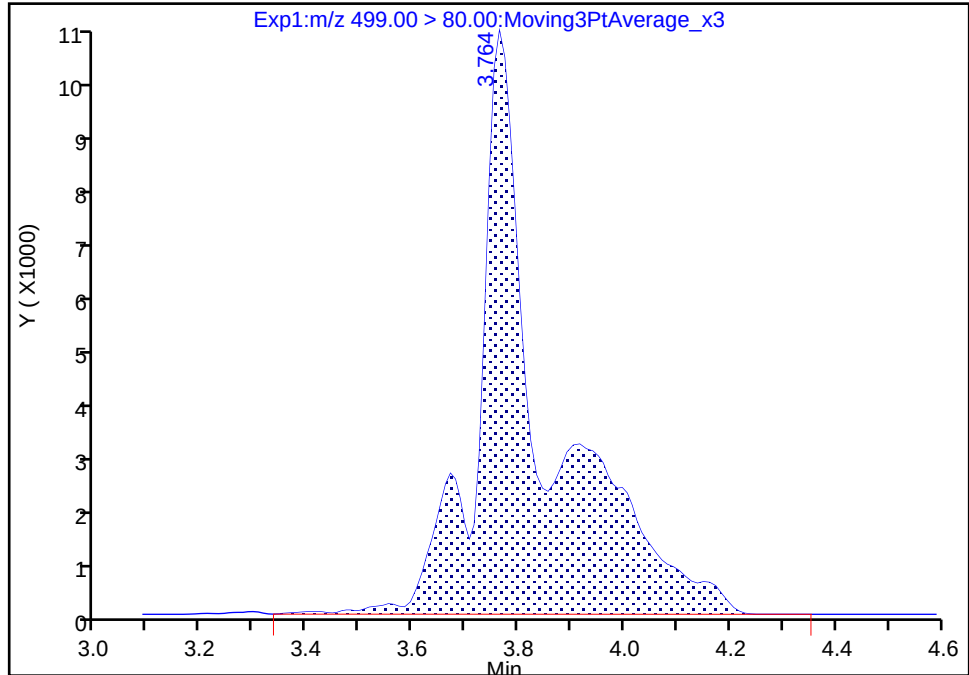
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Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

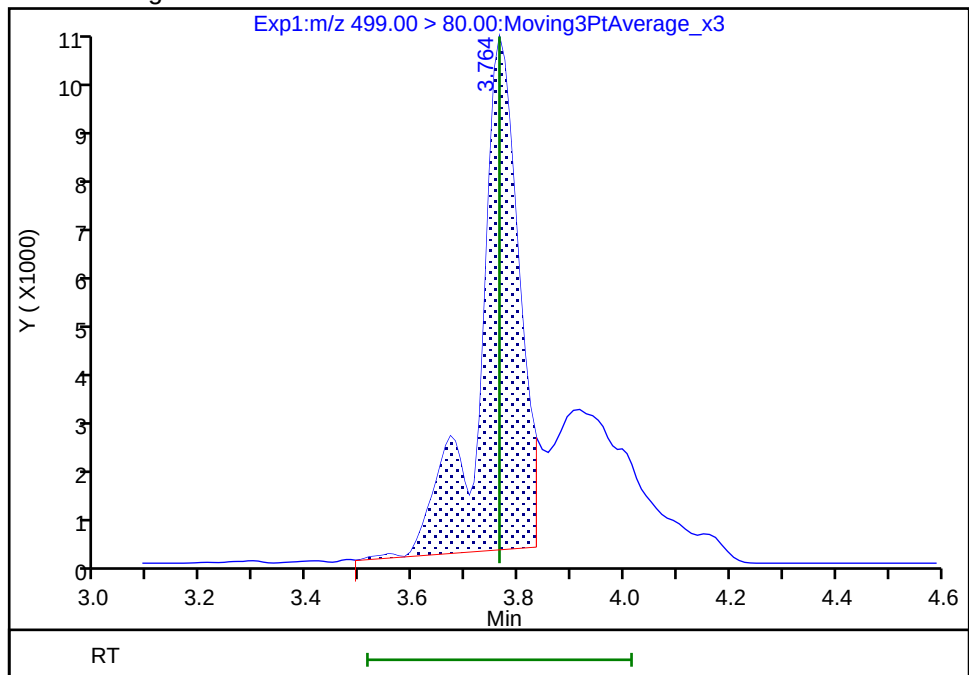
RT: 3.76
Area: 95043
Amount: 0.046400
Amount Units: ng/ml

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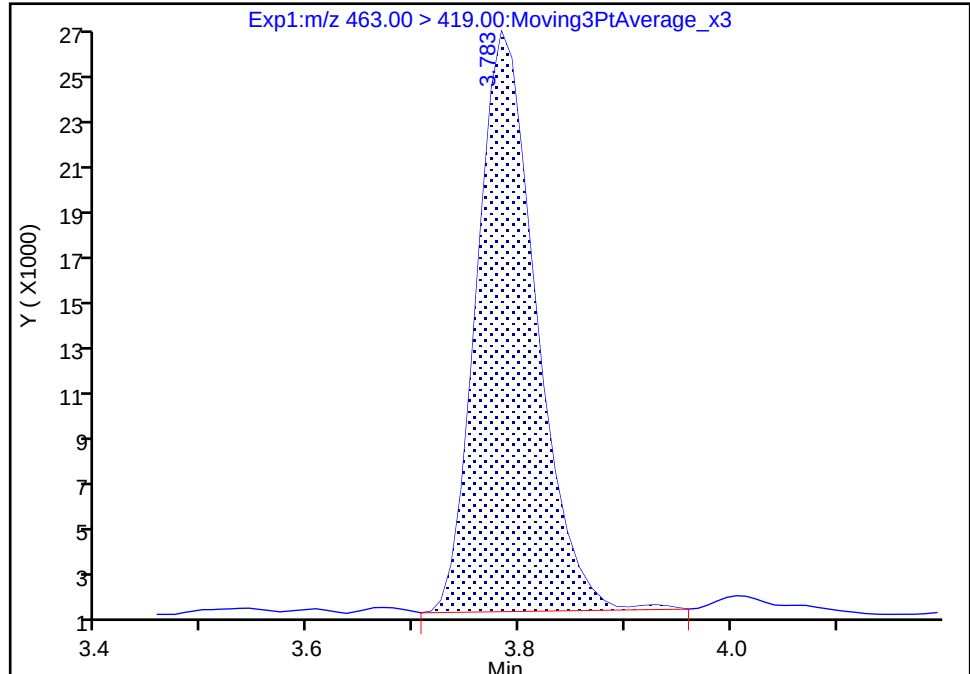
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Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

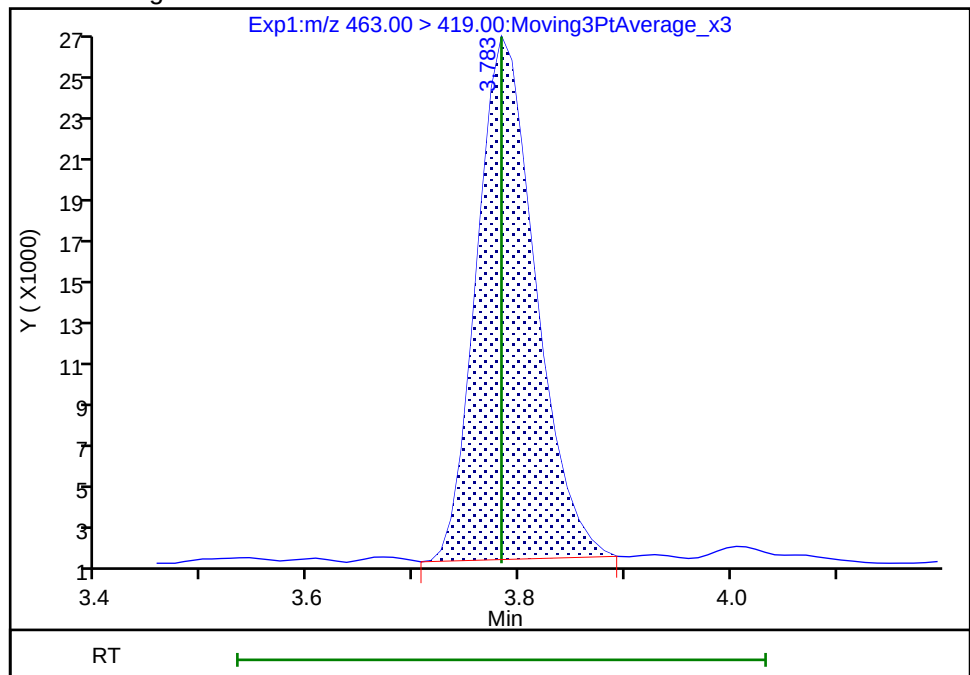
RT: 3.78
Area: 99415
Amount: 0.050000
Amount Units: ng/ml

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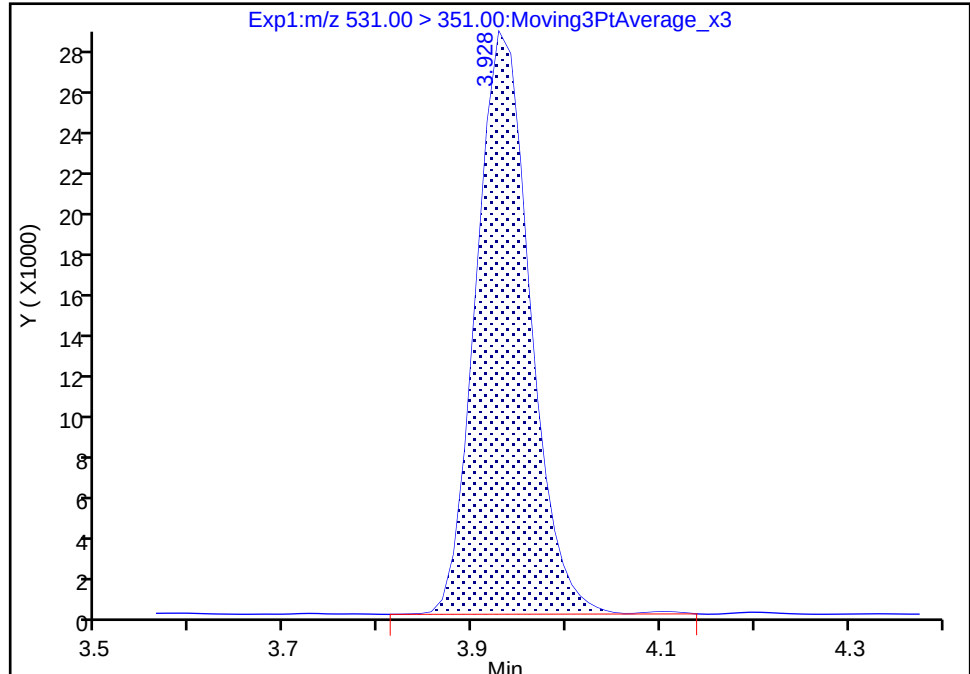
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

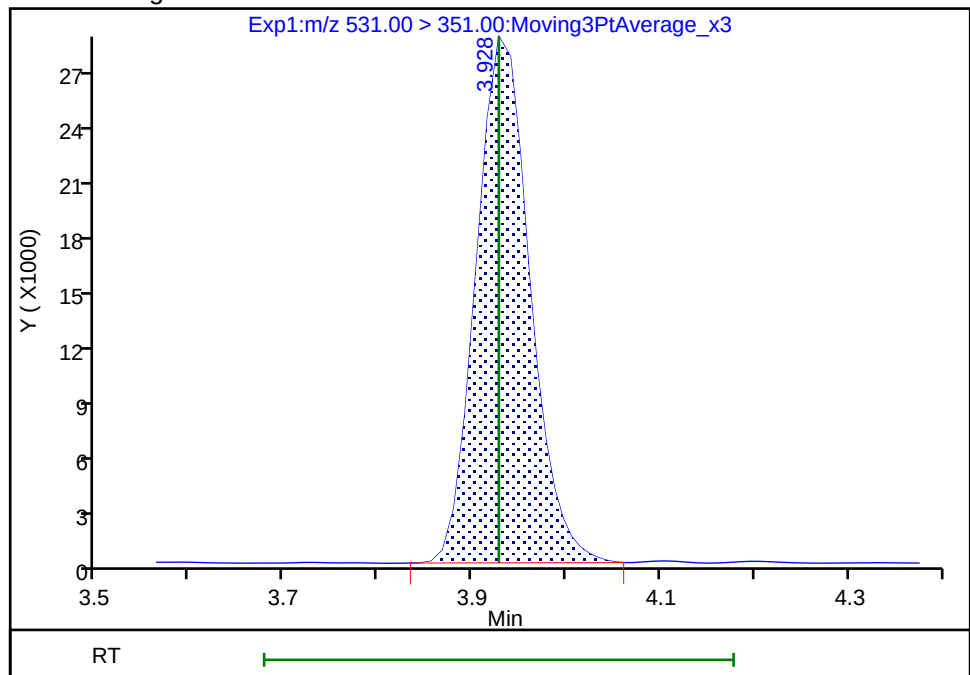
RT: 3.93
Area: 114530
Amount: 0.046600
Amount Units: ng/ml

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
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Eurofins Burlington

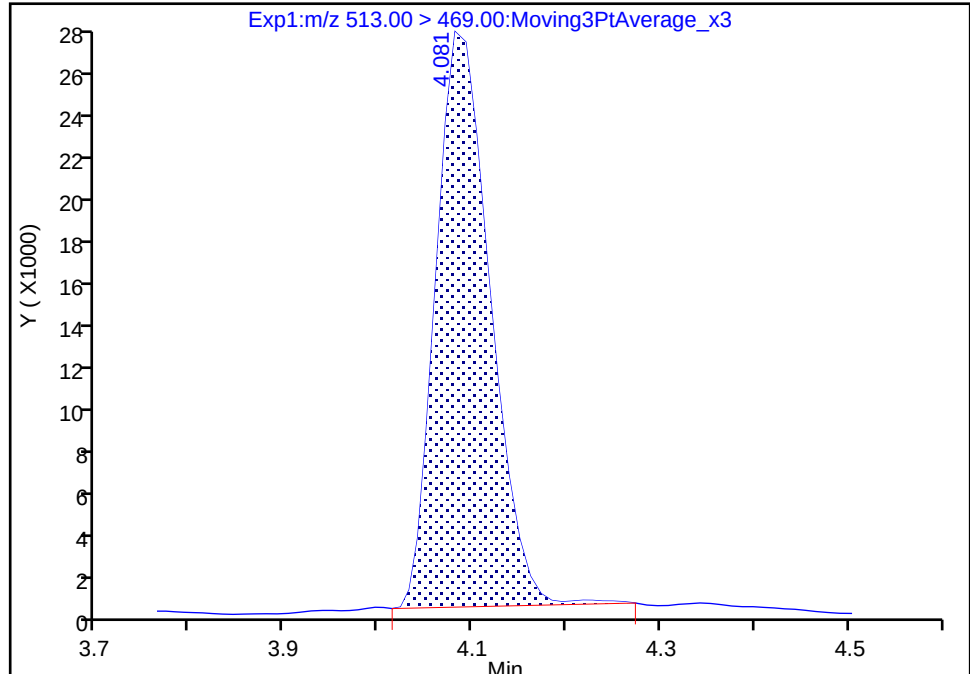
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

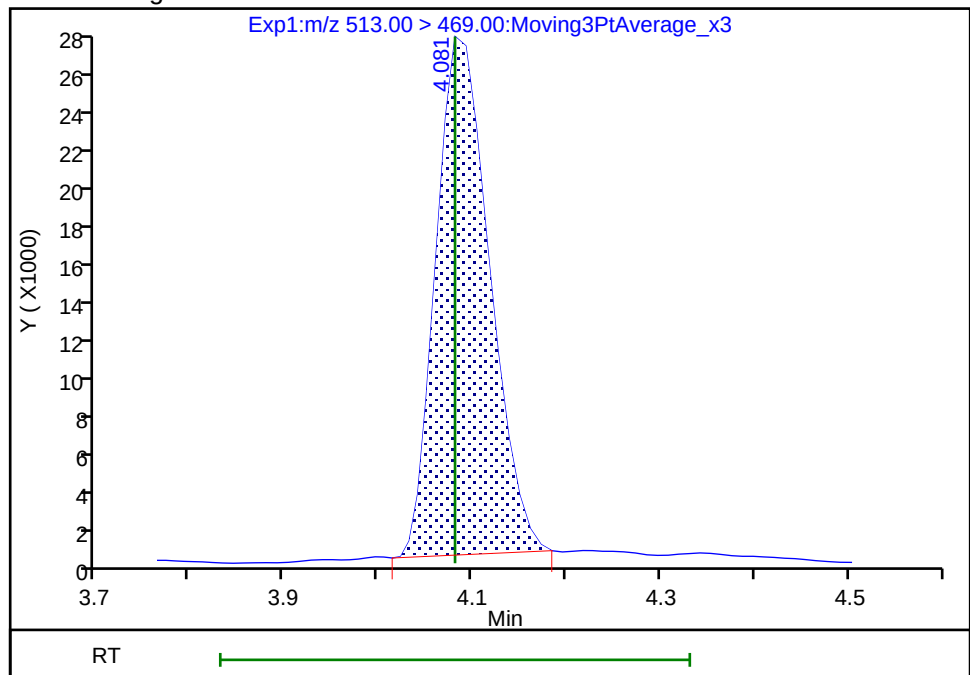
RT: 4.08
Area: 107153
Amount: 0.050000
Amount Units: ng/ml

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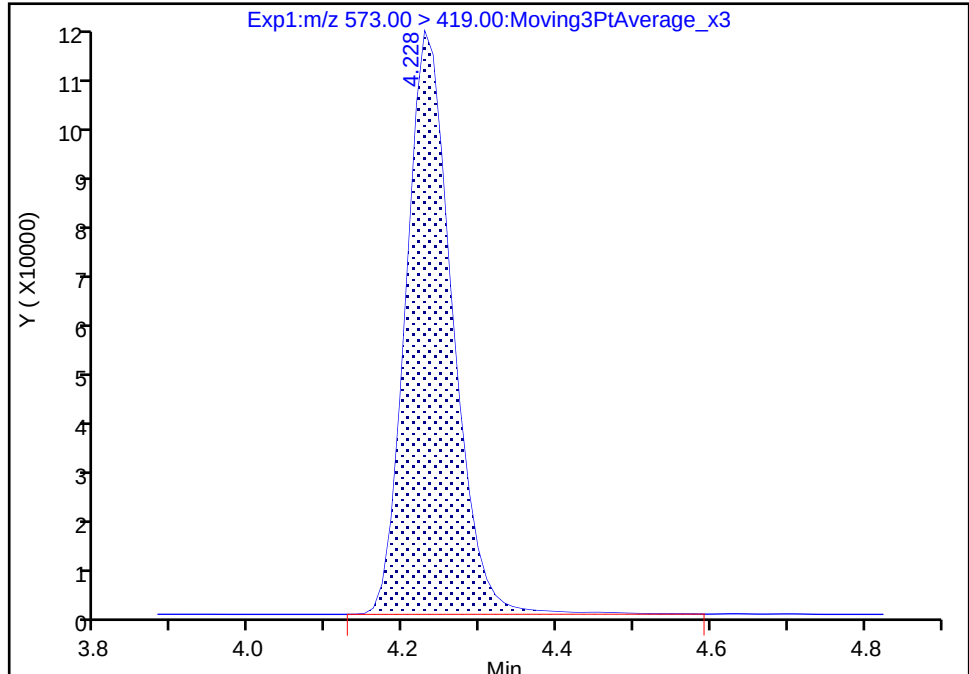
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

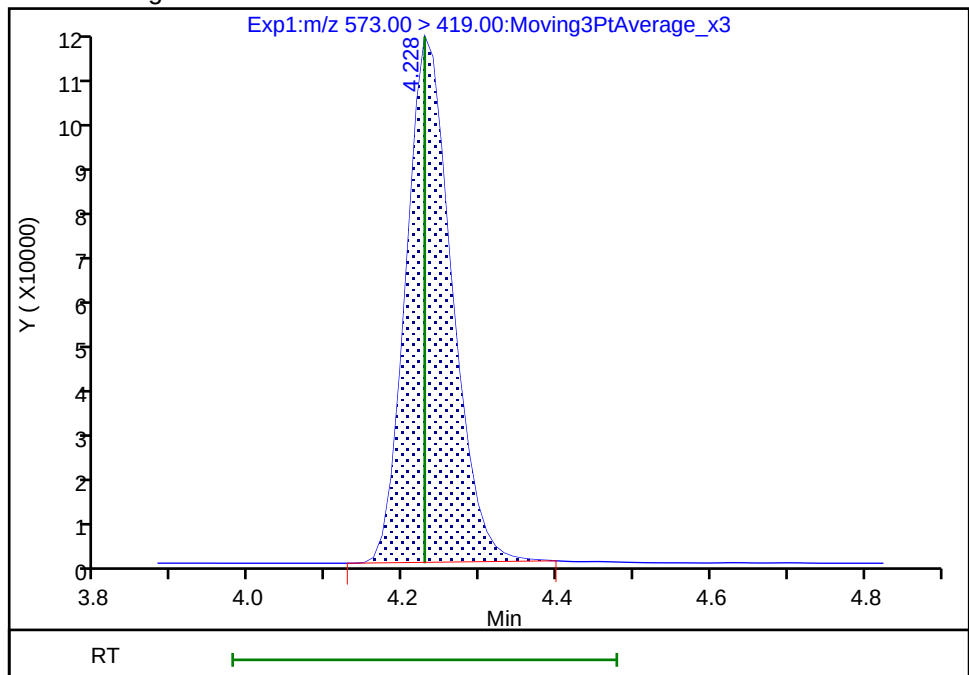
RT: 4.23
Area: 474177
Amount: 1.250000
Amount Units: ng/ml

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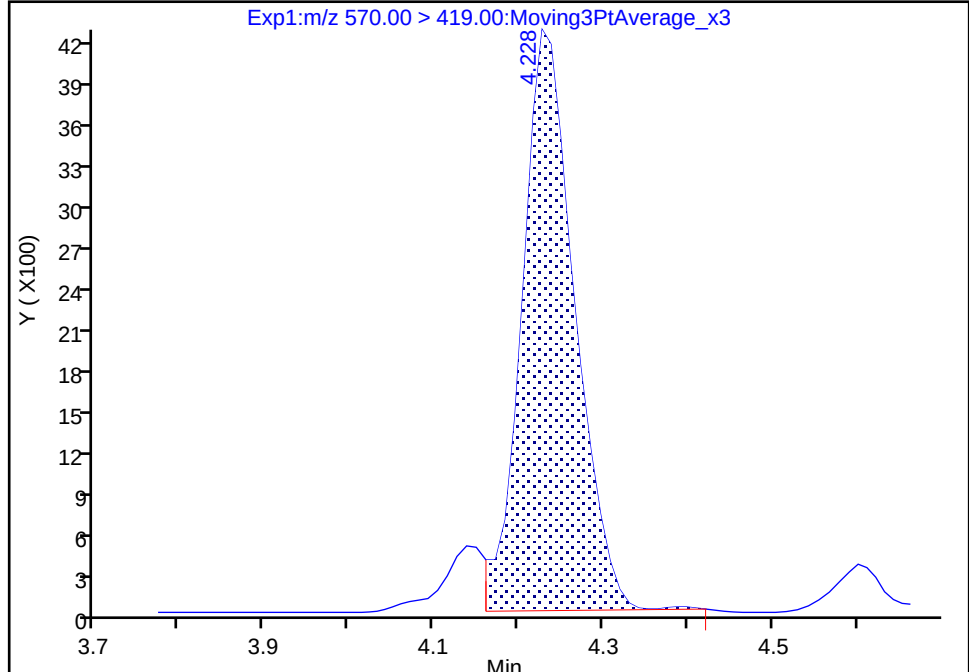
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

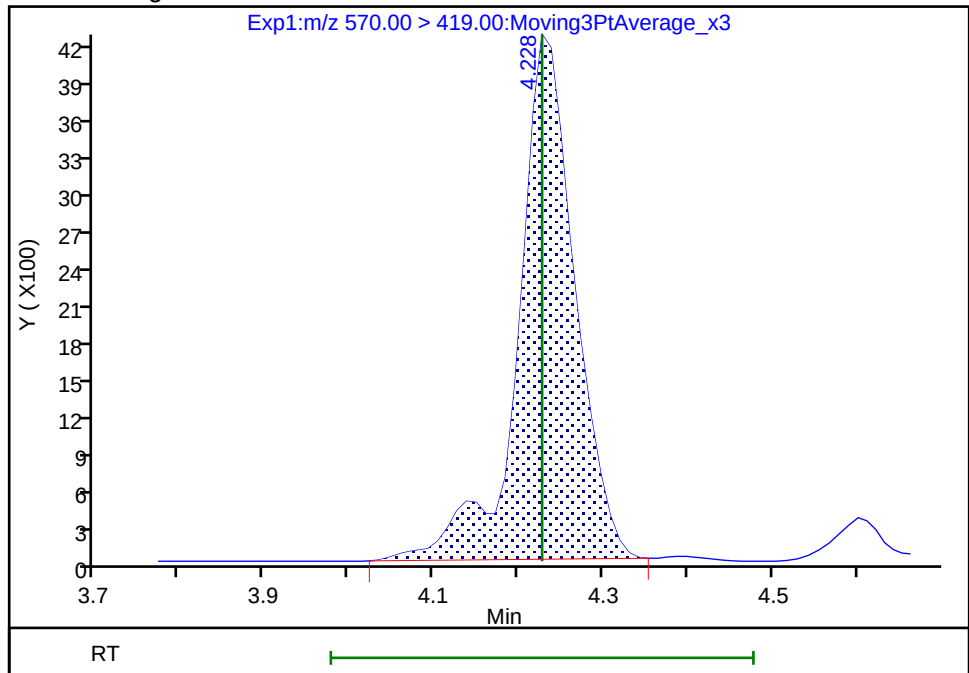
RT: 4.23
Area: 18117
Amount: 0.050000
Amount Units: ng/ml

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

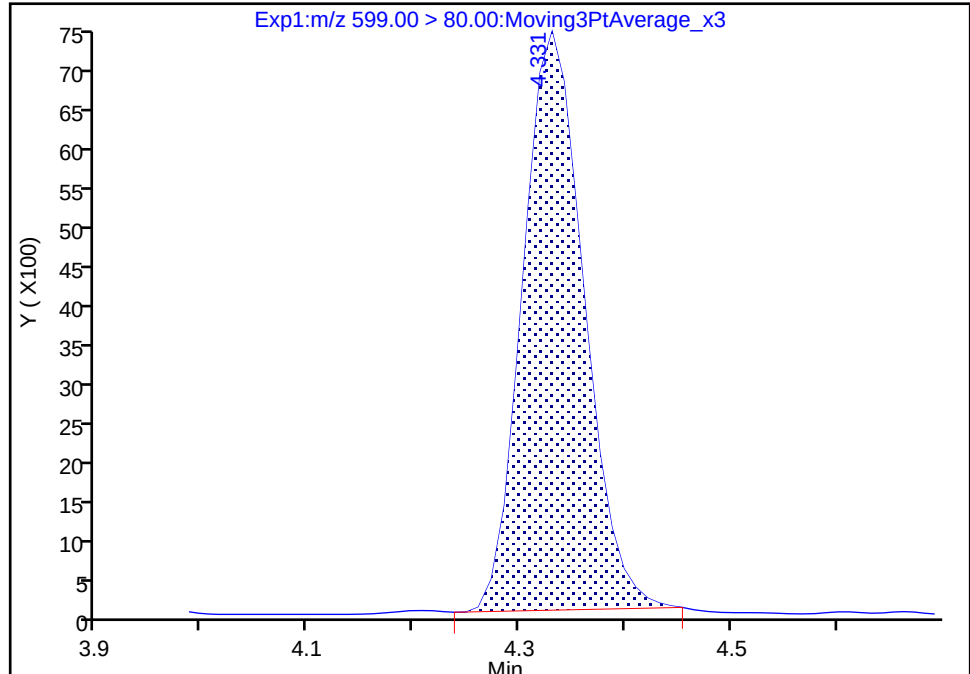
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

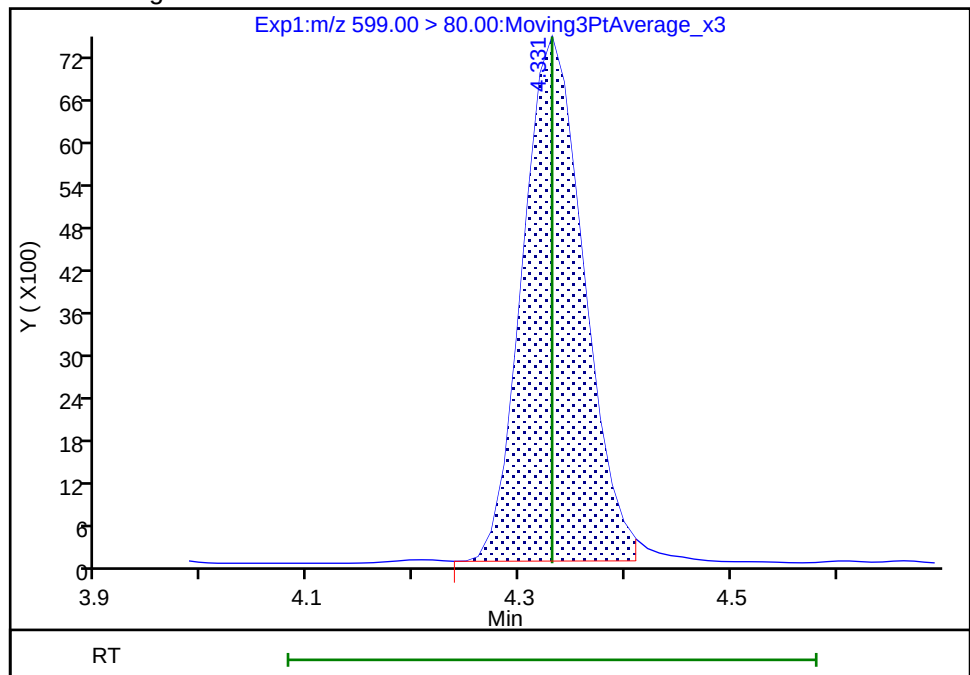
RT: 4.33
Area: 29832
Amount: 0.048200
Amount Units: ng/ml

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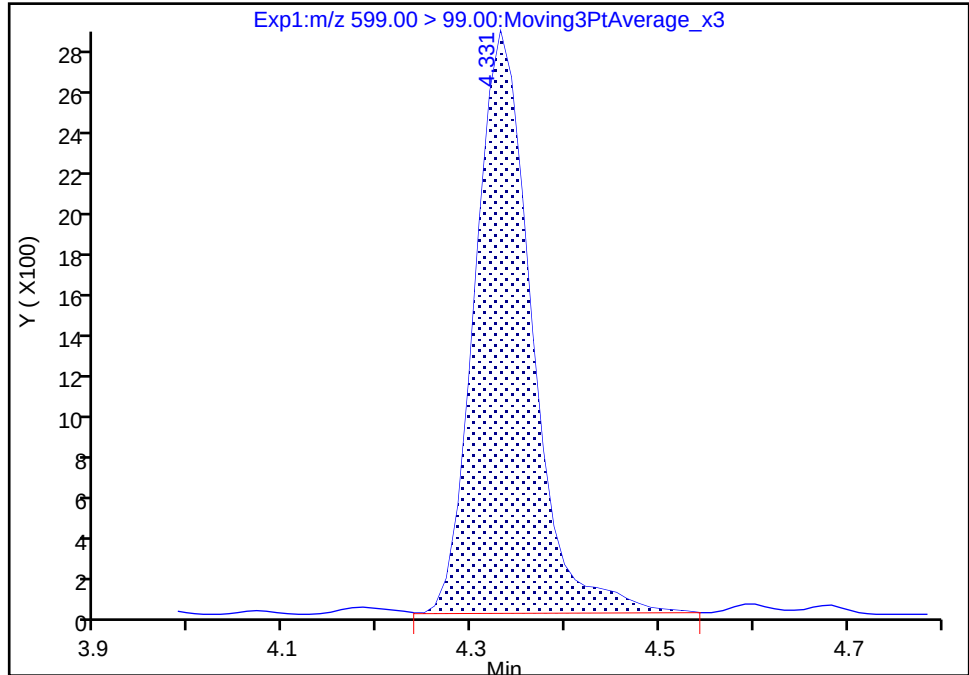
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

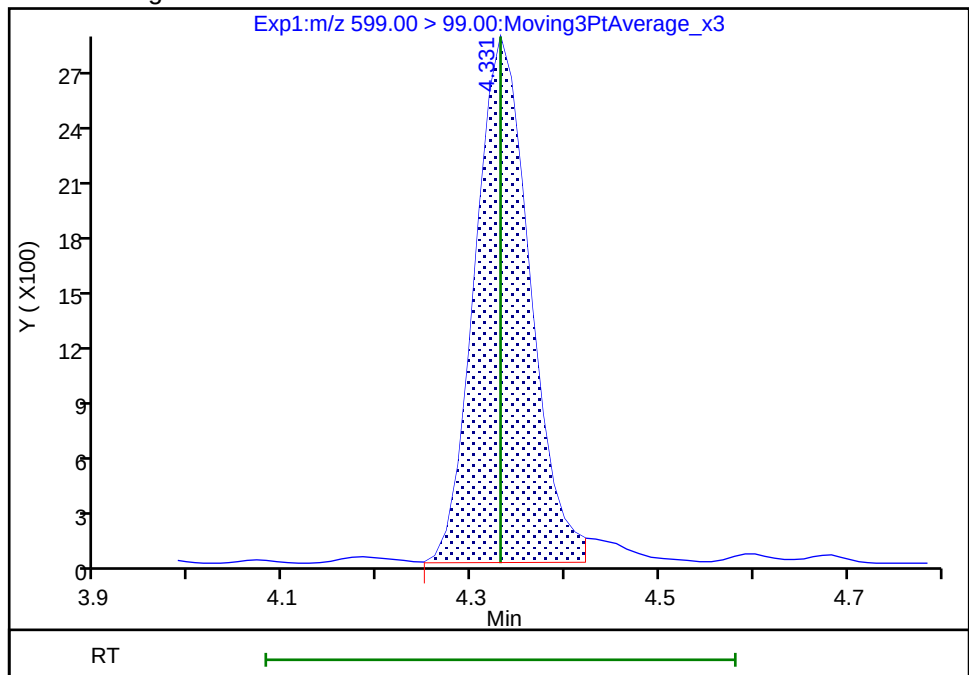
RT: 4.33
Area: 11882
Amount: 0.048200
Amount Units: ng/ml

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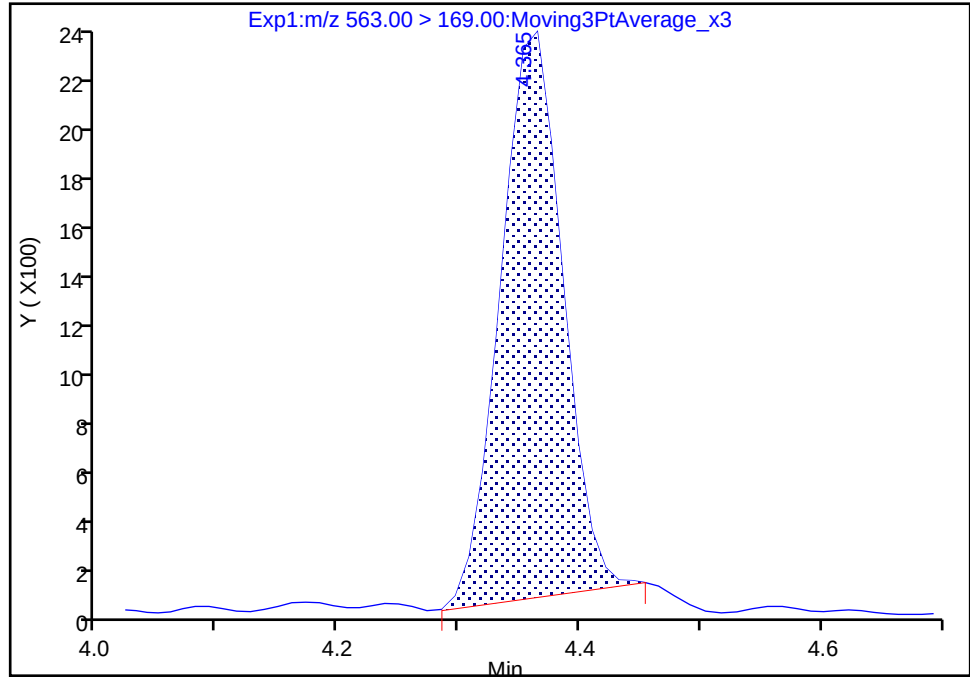
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

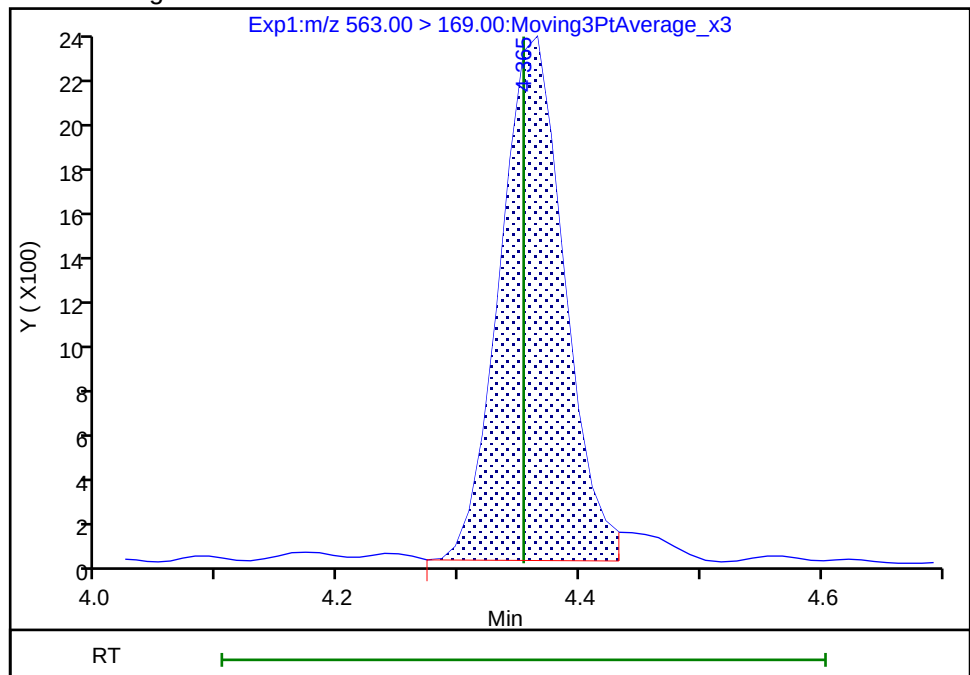
RT: 4.36
Area: 8199
Amount: 0.050000
Amount Units: ng/ml

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

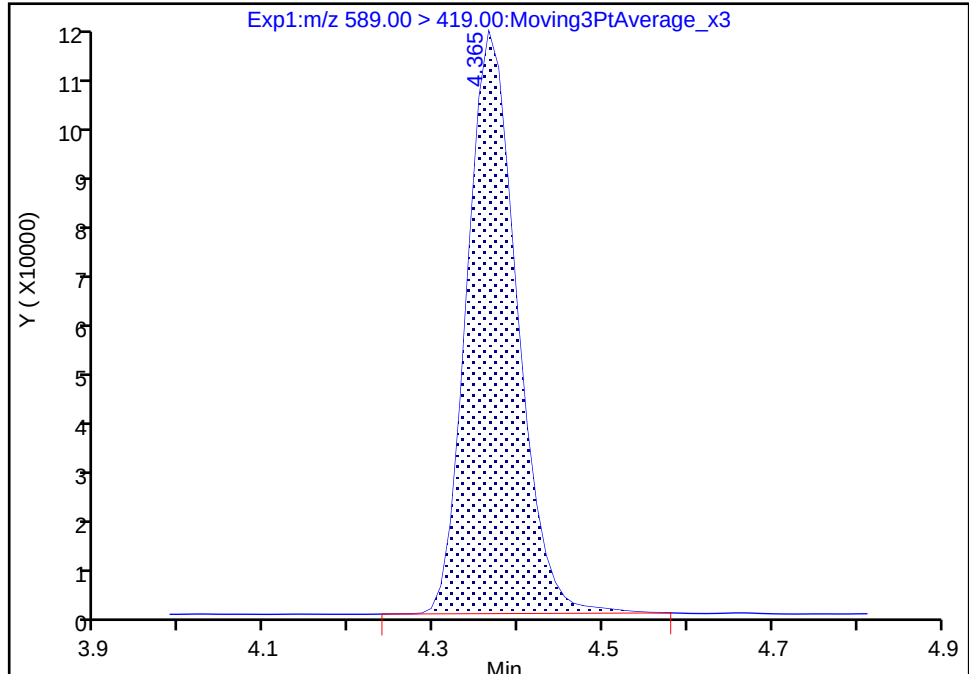
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 32 d5-NEtFOSAA, CAS: STL02117

Signal: 1

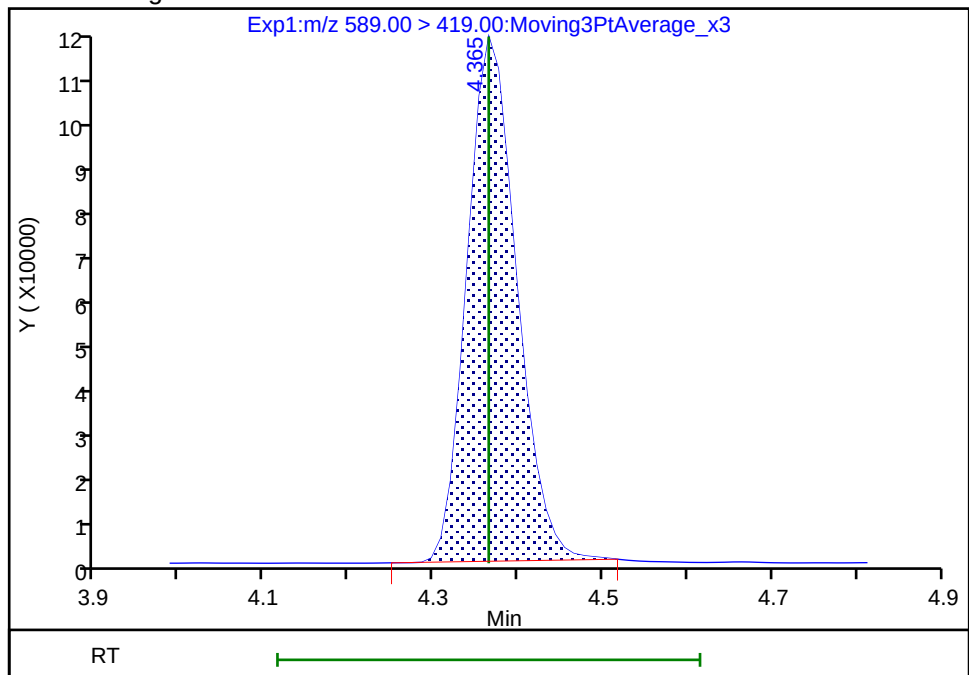
RT: 4.36
Area: 459600
Amount: 1.250000
Amount Units: ng/ml

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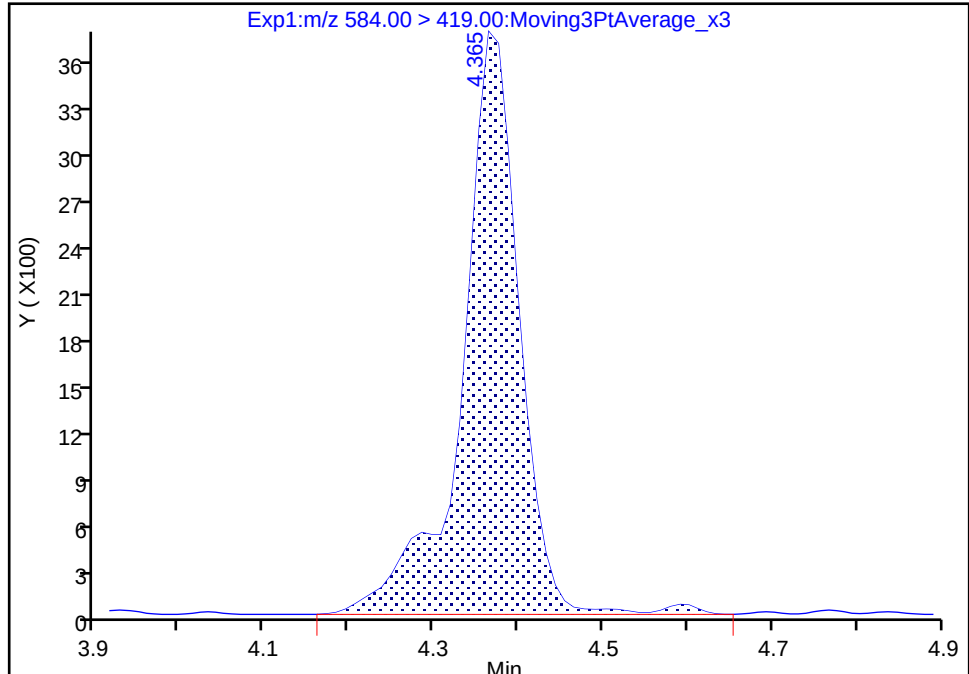
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

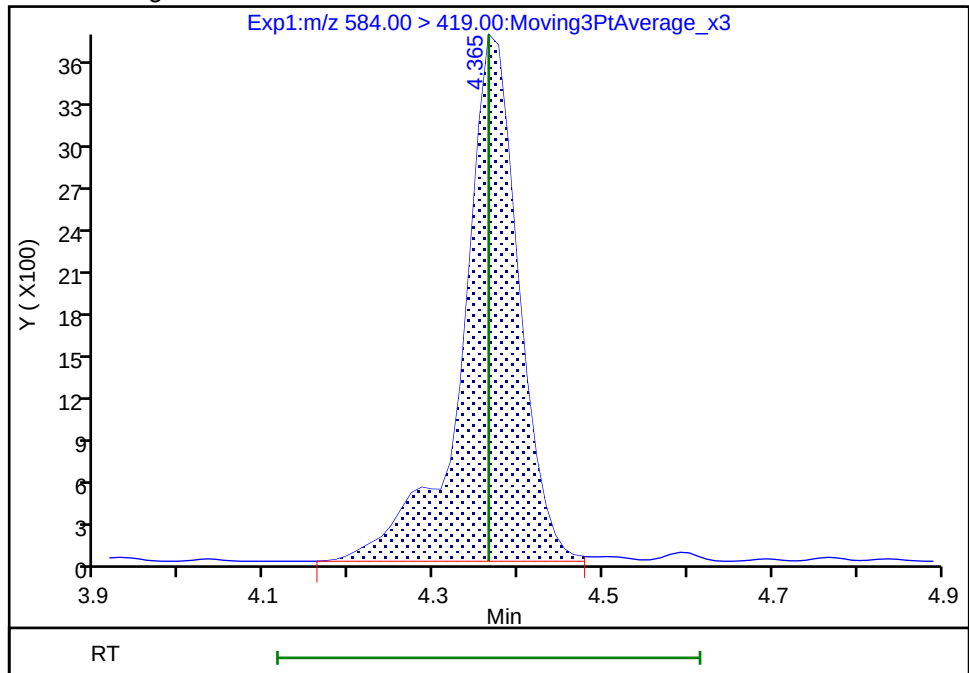
RT: 4.36
Area: 17811
Amount: 0.050000
Amount Units: ng/ml

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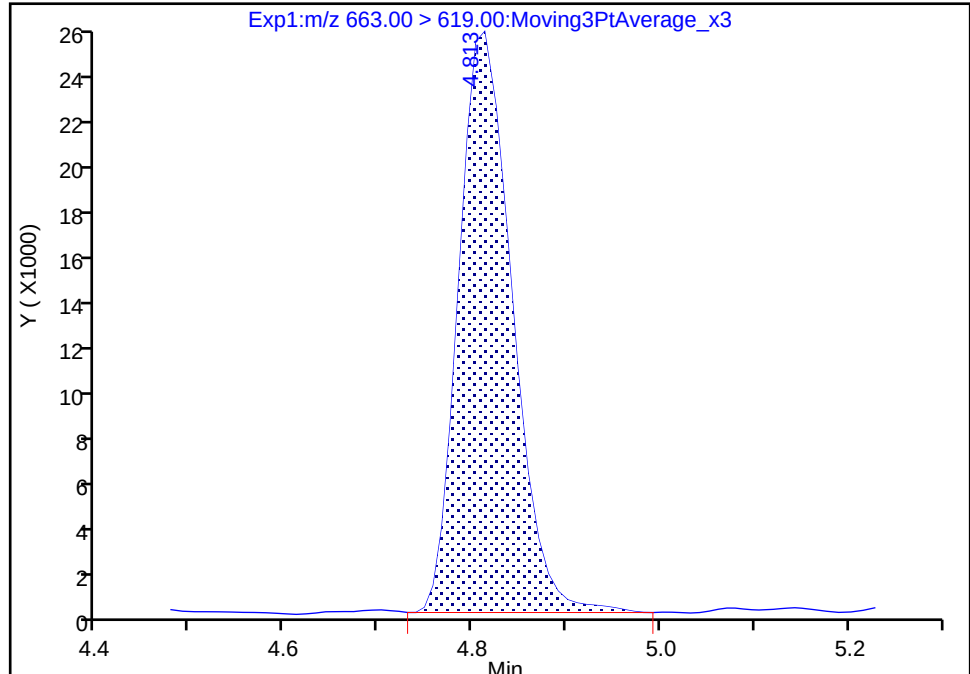
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

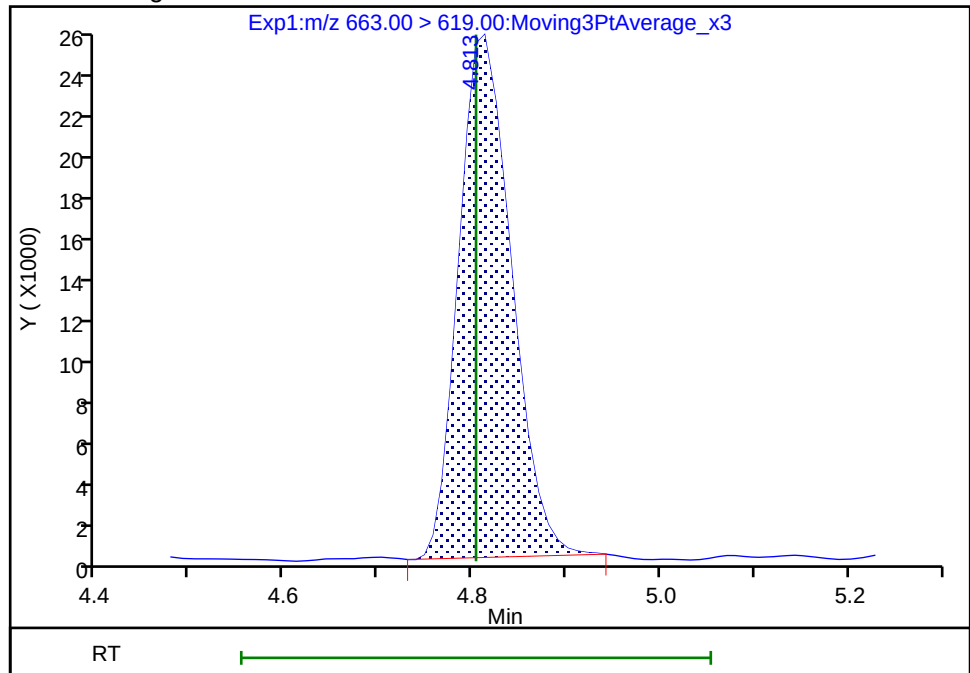
RT: 4.81
Area: 96503
Amount: 0.050000
Amount Units: ng/ml

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
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Eurofins Burlington

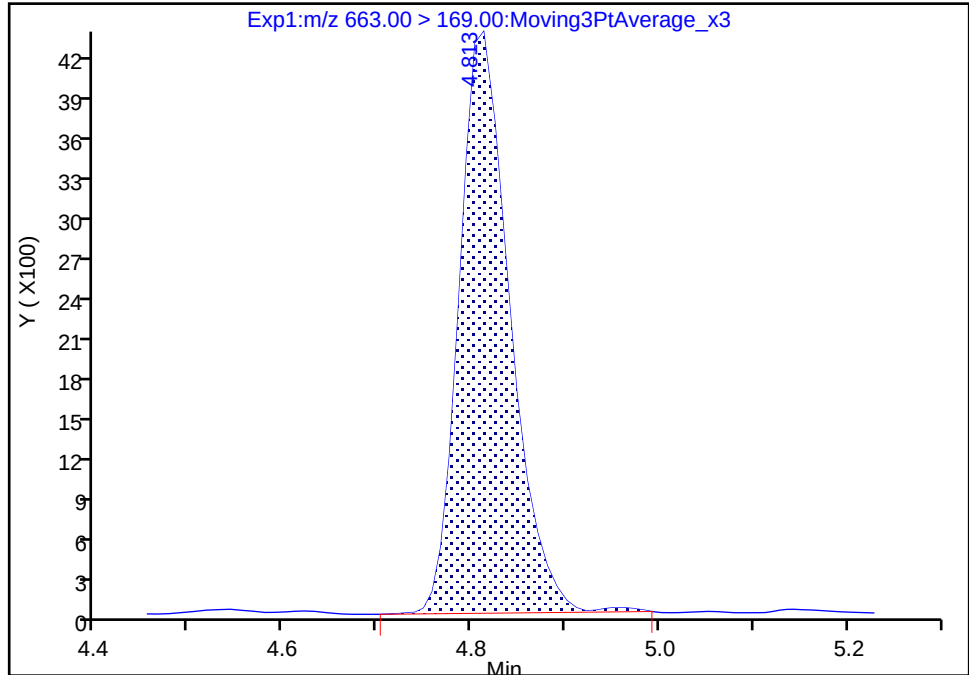
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

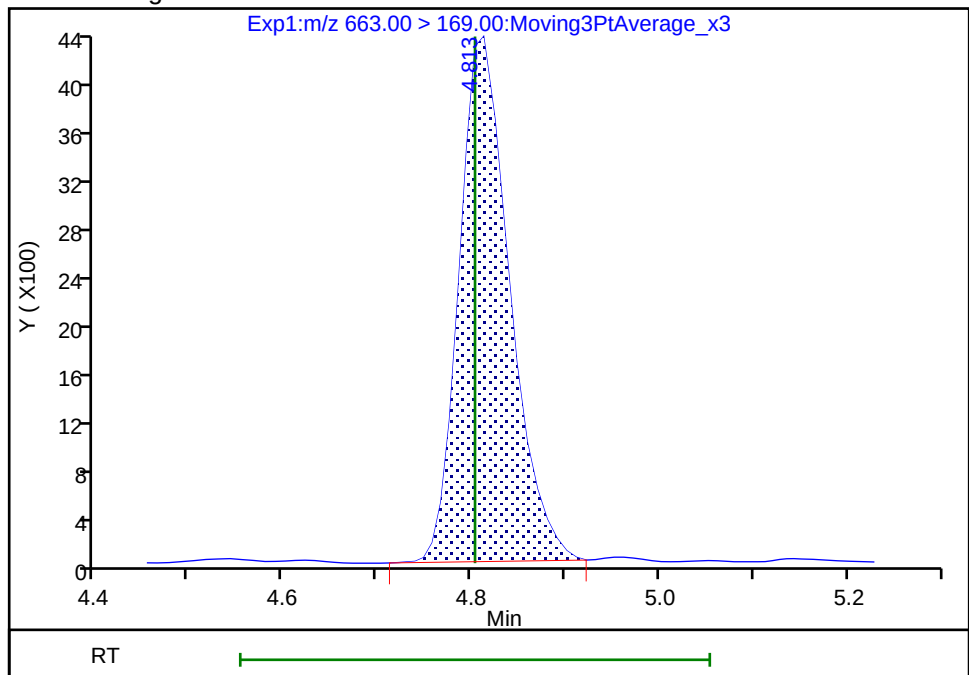
RT: 4.81
Area: 16454
Amount: 0.050000
Amount Units: ng/ml

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

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Eurofins Burlington

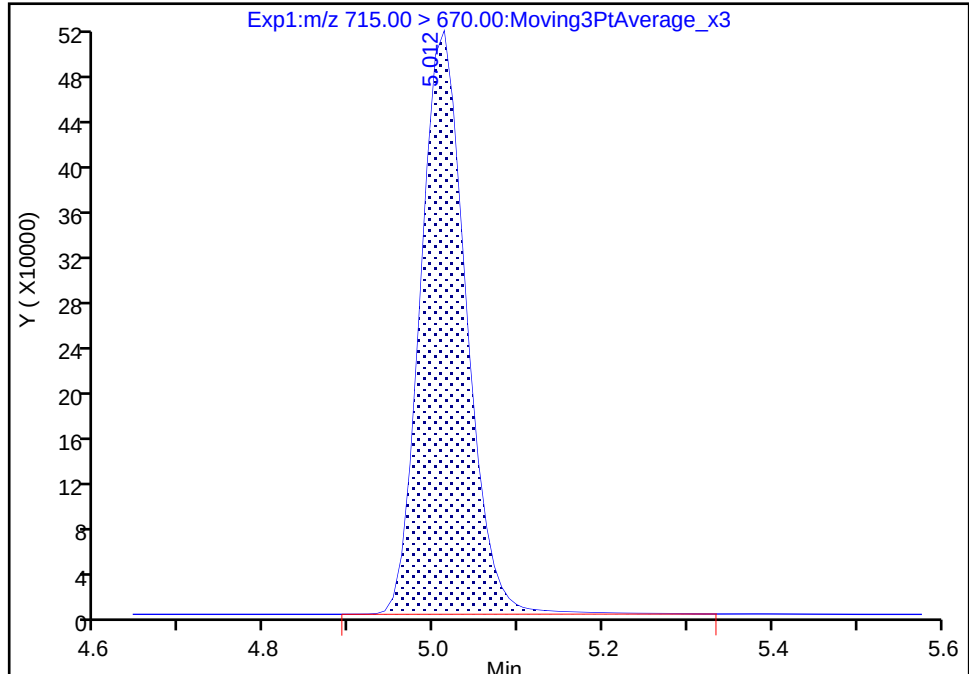
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

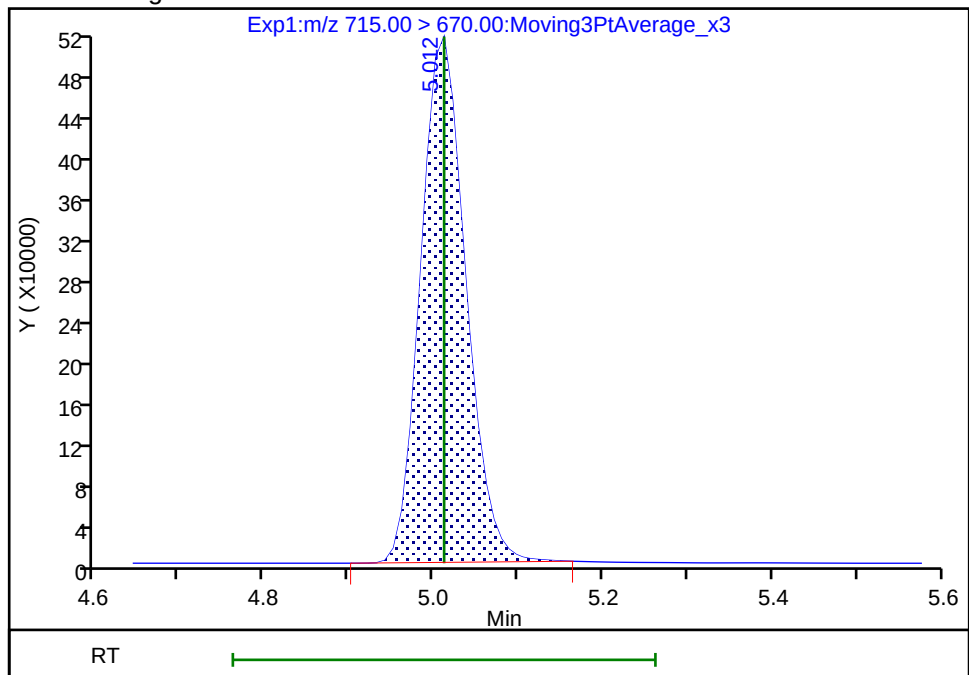
RT: 5.01
Area: 1903053
Amount: 1.250000
Amount Units: ng/ml

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

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Eurofins Burlington

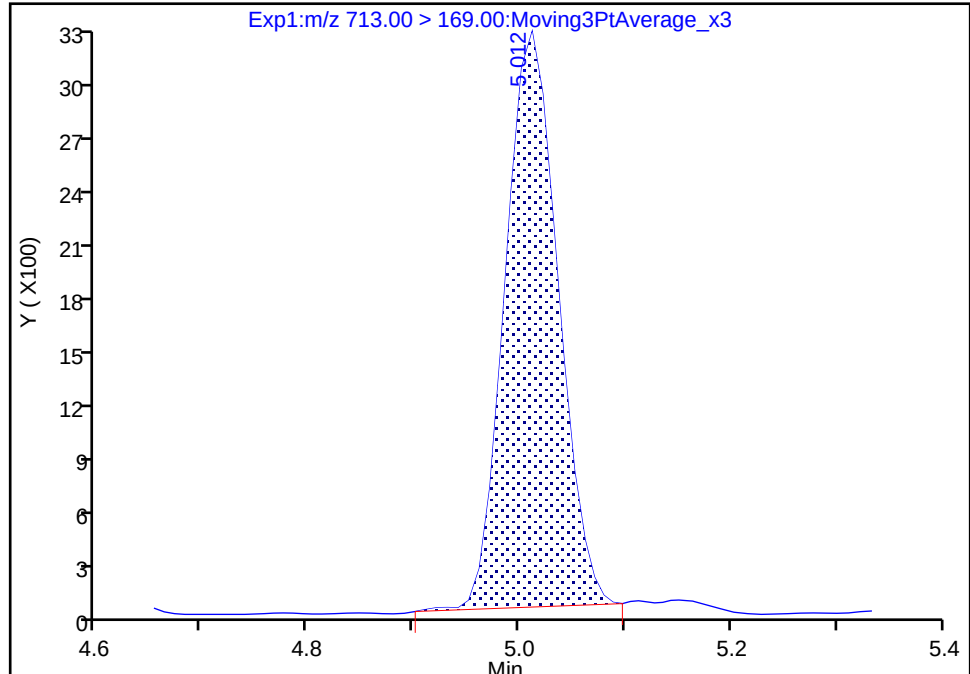
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL05.d
Injection Date: 18-Nov-2022 14:29:54 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

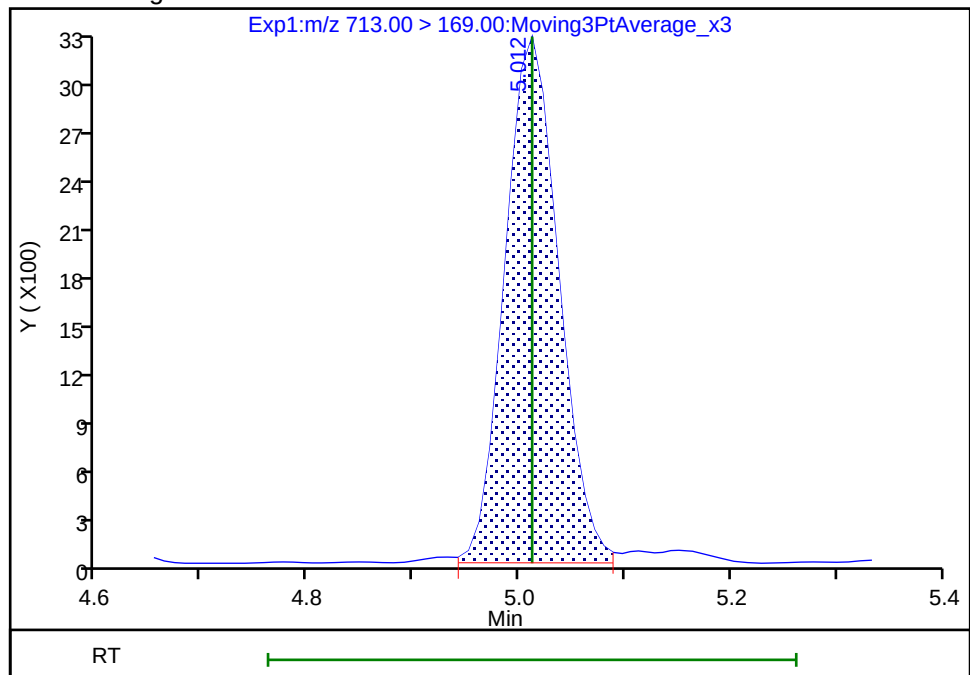
RT: 5.01
Area: 11187
Amount: 0.050000
Amount Units: ng/ml

Processing Integration Results



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

Manual Integration Results



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

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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

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

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

313.00 > 269.00 2.725 2.725 0.0 1.000 191103 0.1066 Target=13.44 107 38.9 M

313.00 > 119.00 2.737 2.725 0.012 1.004 15417 12.40(6.72-20.15) 107 31.5

70 Perfluoropentanesulfonic acid

349.00 > 80.00 2.737 2.737 0.0 0.887 163879 0.0962 Target=2.98 103 479

349.00 > 99.00 2.737 2.737 0.0 0.887 57172 2.87(1.49-4.47) 103 155

D 64 13C3 HFPO-DA

287.00 > 169.00 2.835 2.835 0.0 0.822 352715 1.17 93.9 2364

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

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

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

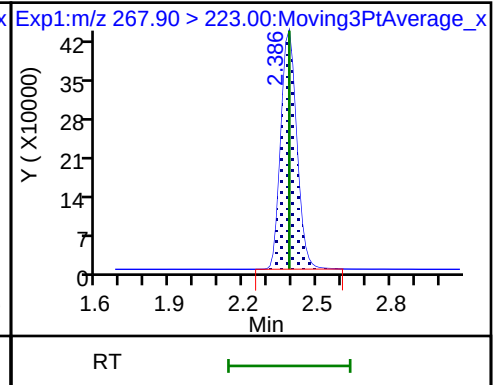
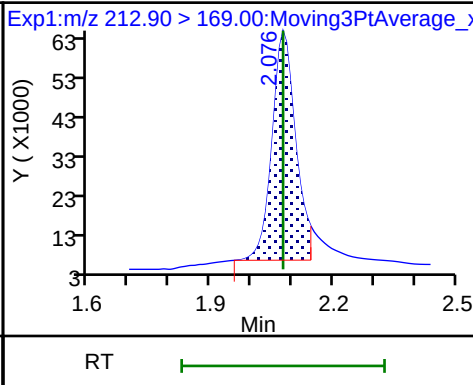
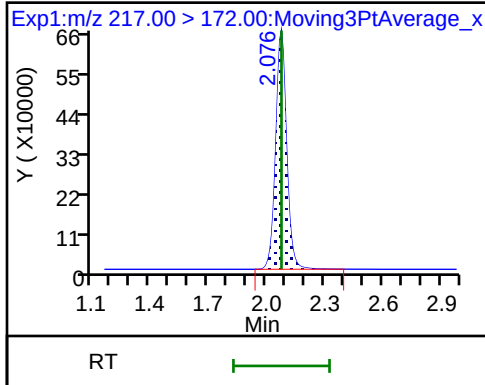
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

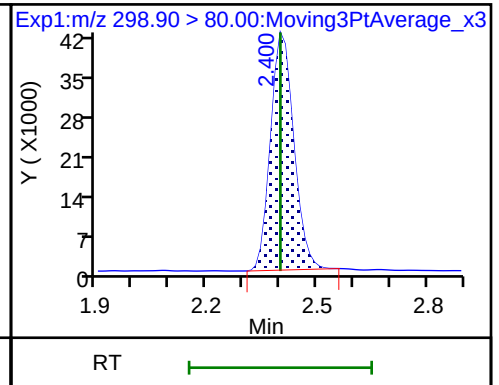
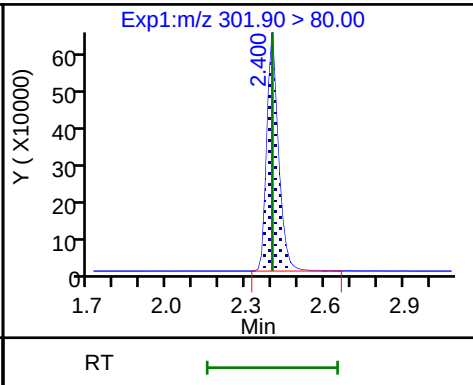
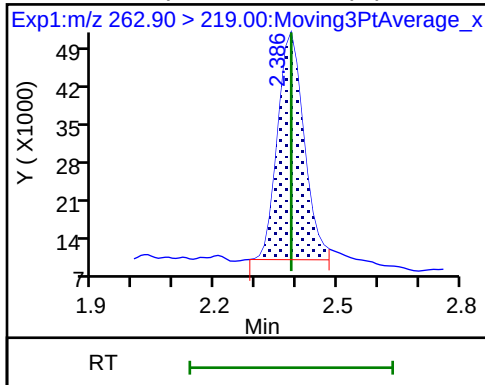
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

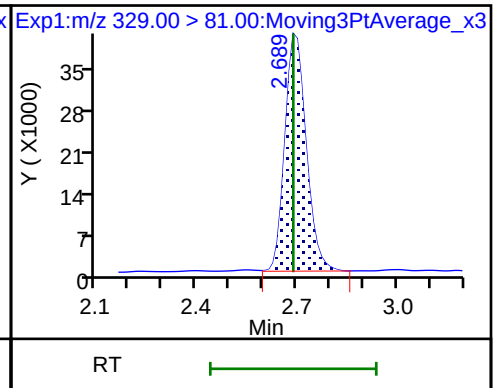
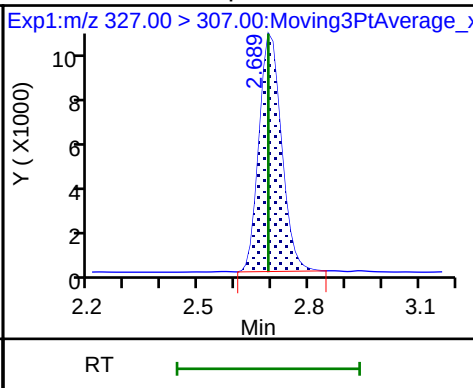
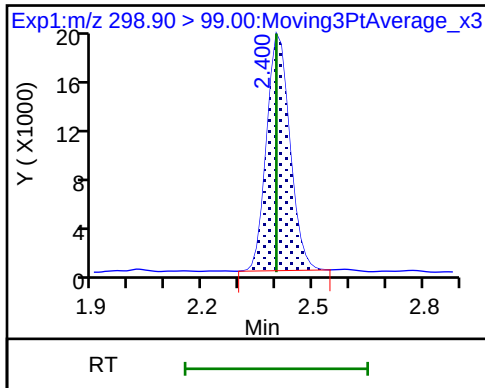
D 47 13C3 PFBS

5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid

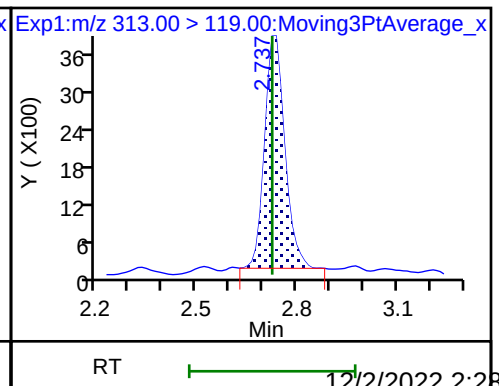
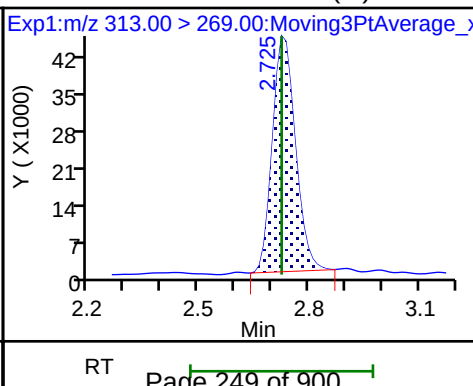
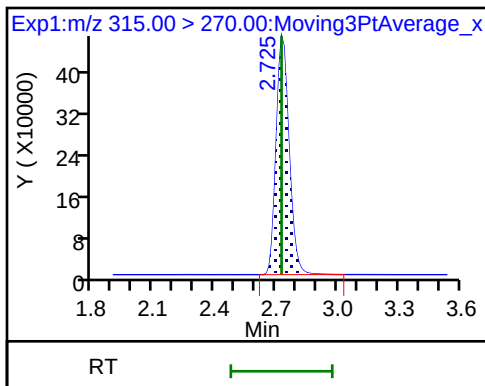
61 1H,1H,2H,2H-perfluorohexanesulfo D 60 M2-4:2 FTS

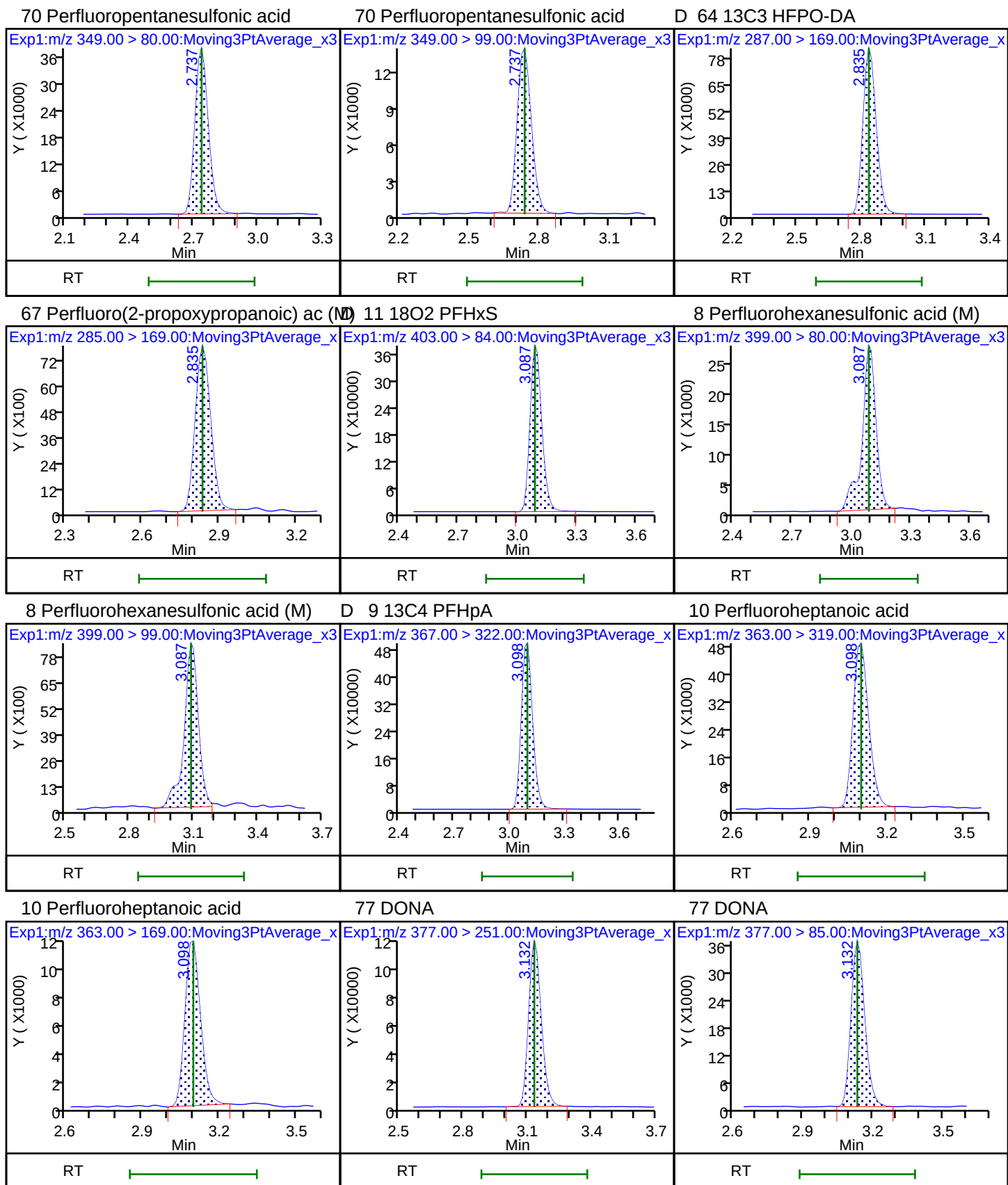


D 7 13C2 PFHxA

6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid

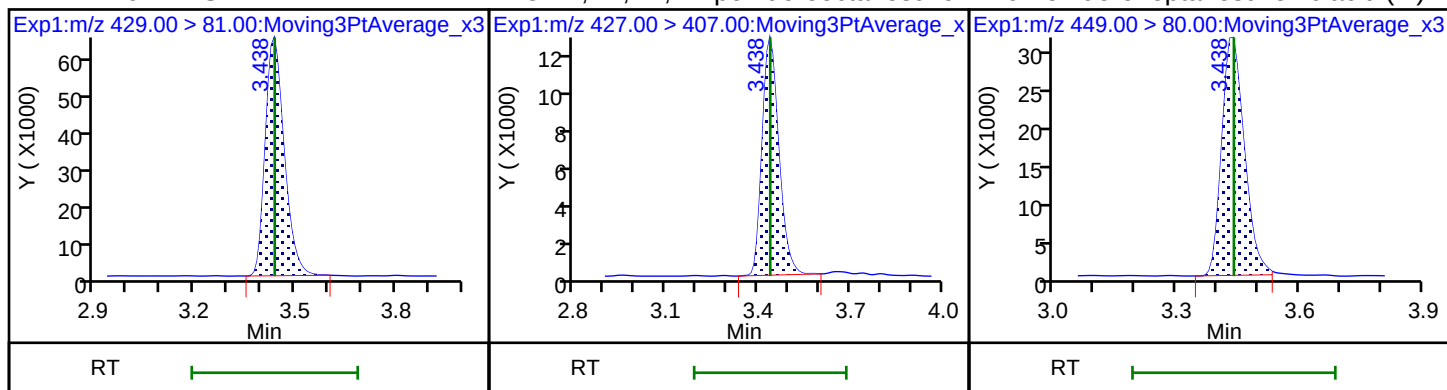




D 12 M2-6:2 FTS

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

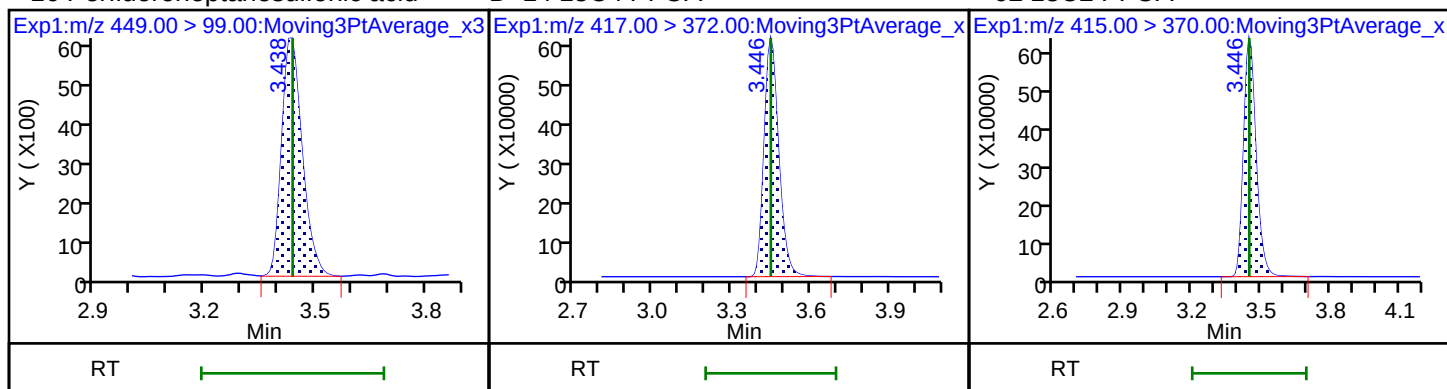
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid

D 14 13C4 PFOA

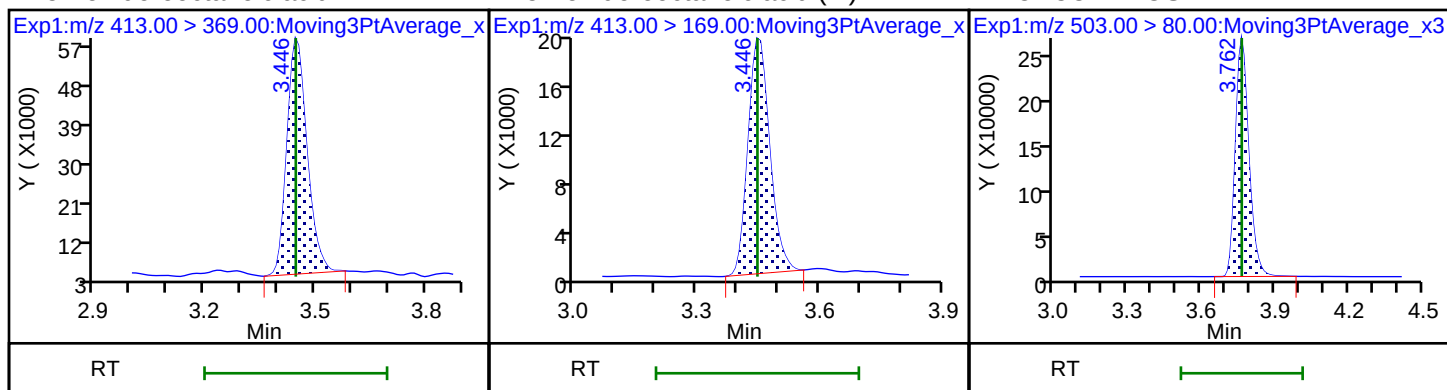
* 62 13C2 PFOA



15 Perfluorooctanoic acid

15 Perfluorooctanoic acid (M)

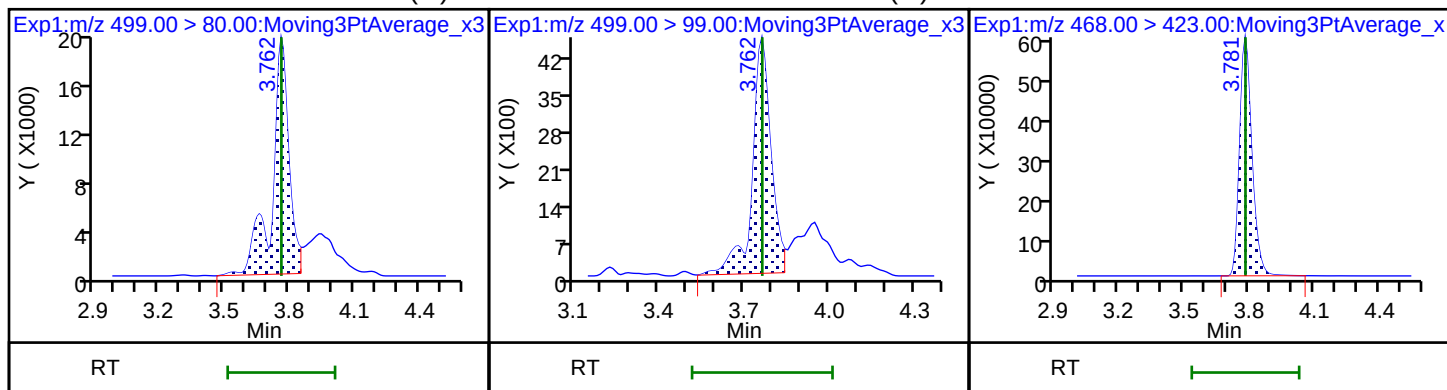
D 18 13C4 PFOS

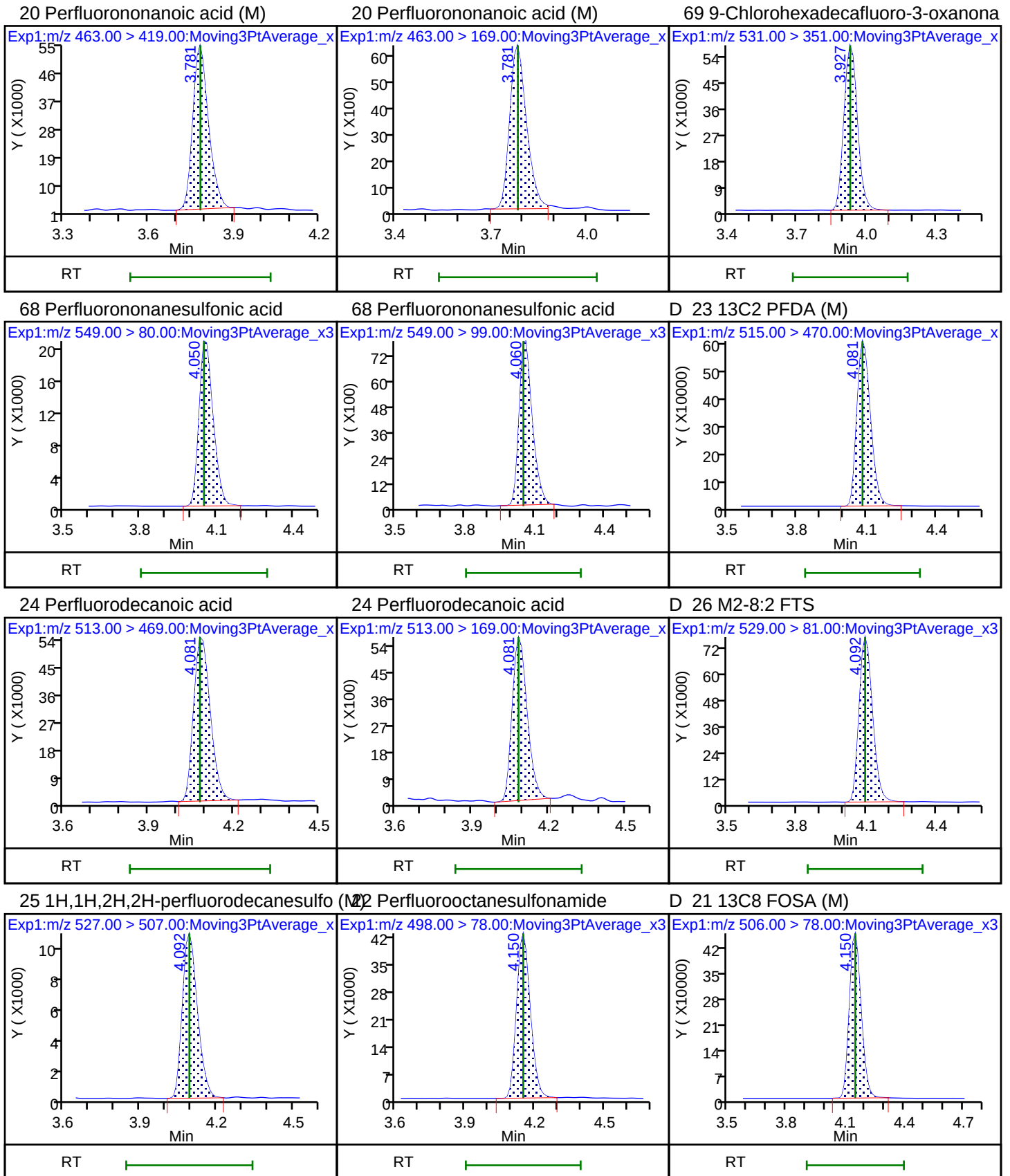


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

D 19 13C5 PFNA

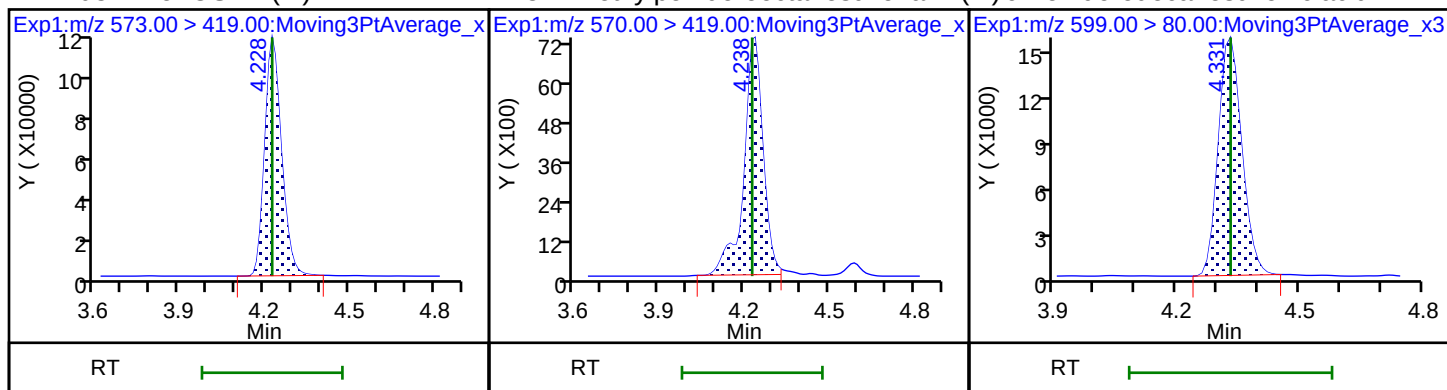




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

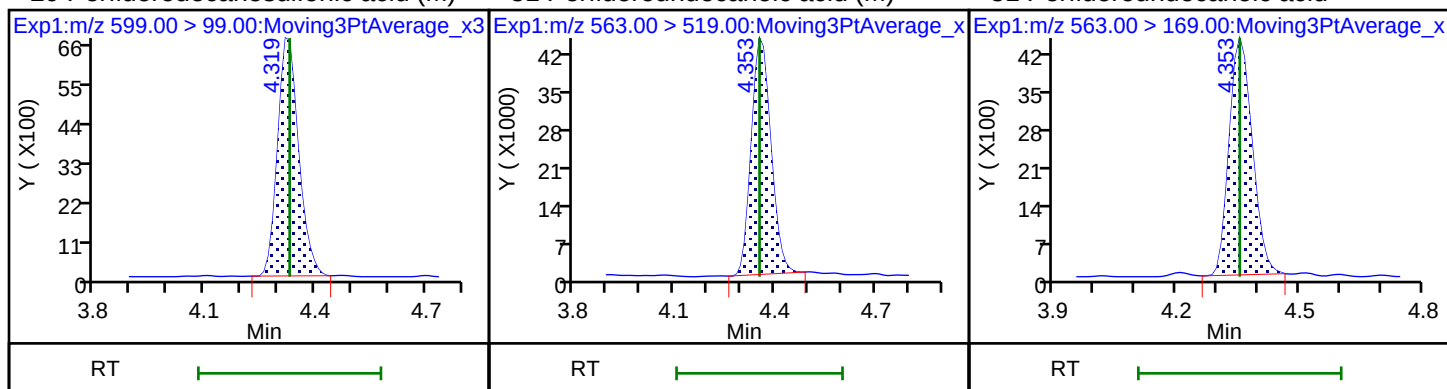
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid (M)

31 Perfluoroundecanoic acid (M)

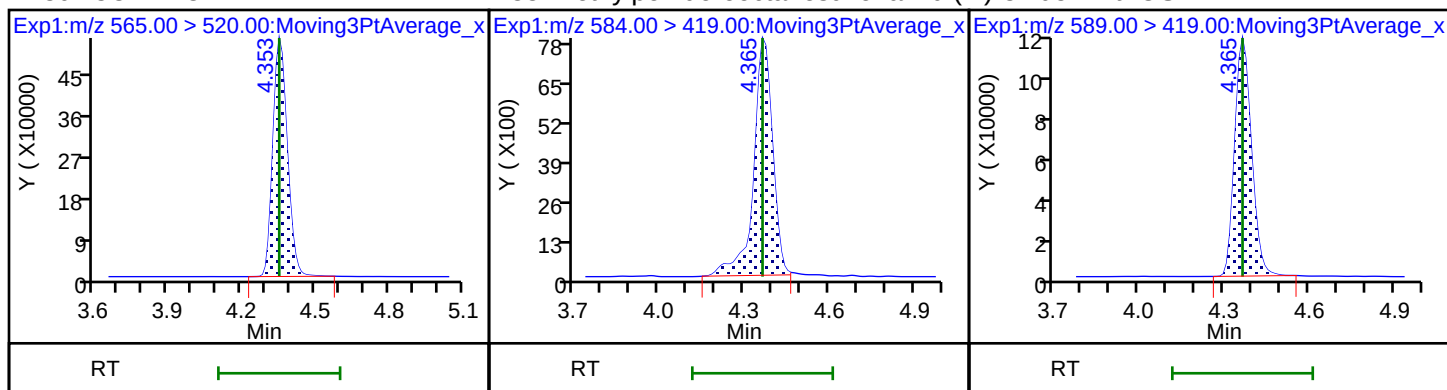
31 Perfluoroundecanoic acid



D 30 13C2 PFUnA

33 N-ethylperfluorooctanesulfonamid (M)

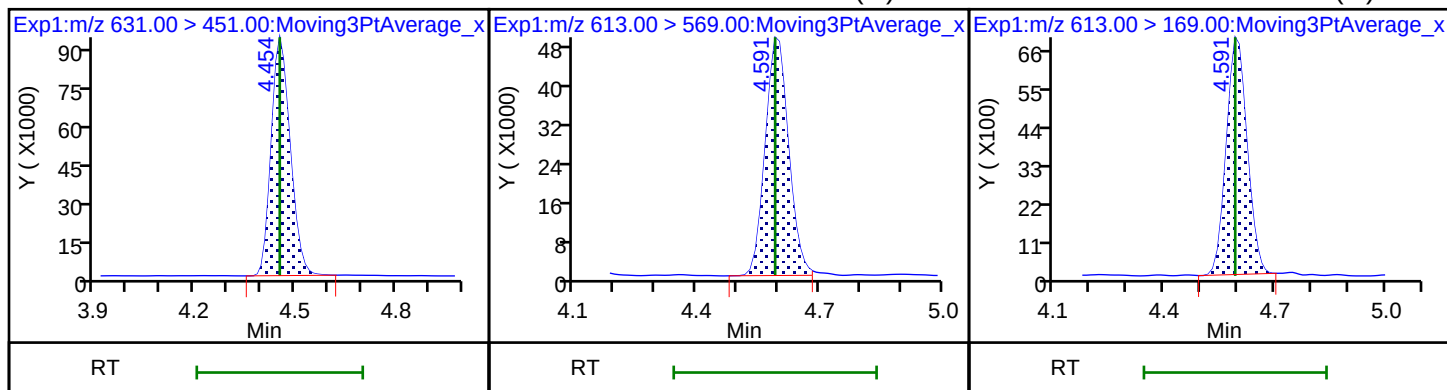
32 d5-NEtFOSAA



66 11-Chloroeicosafluoro-3-oxaundec

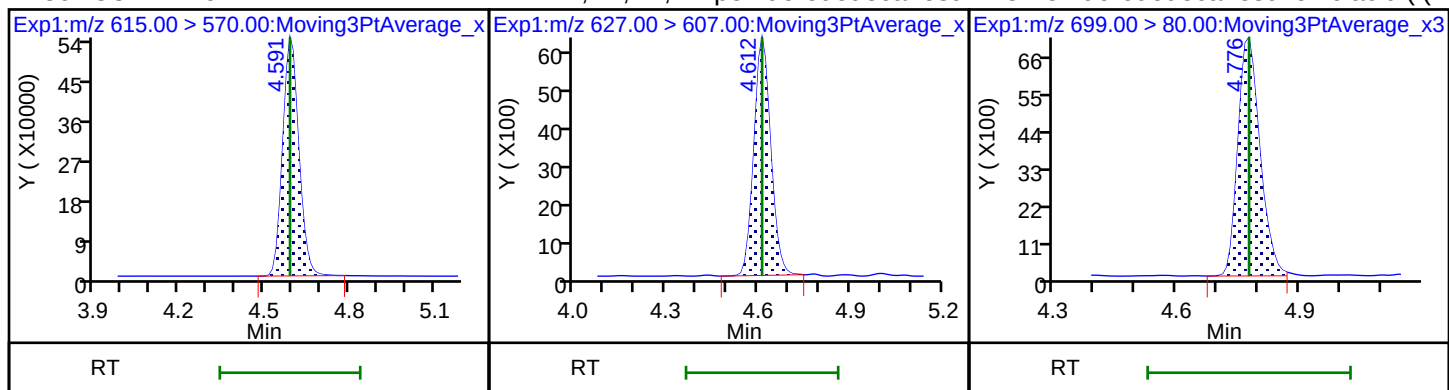
37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid (M)



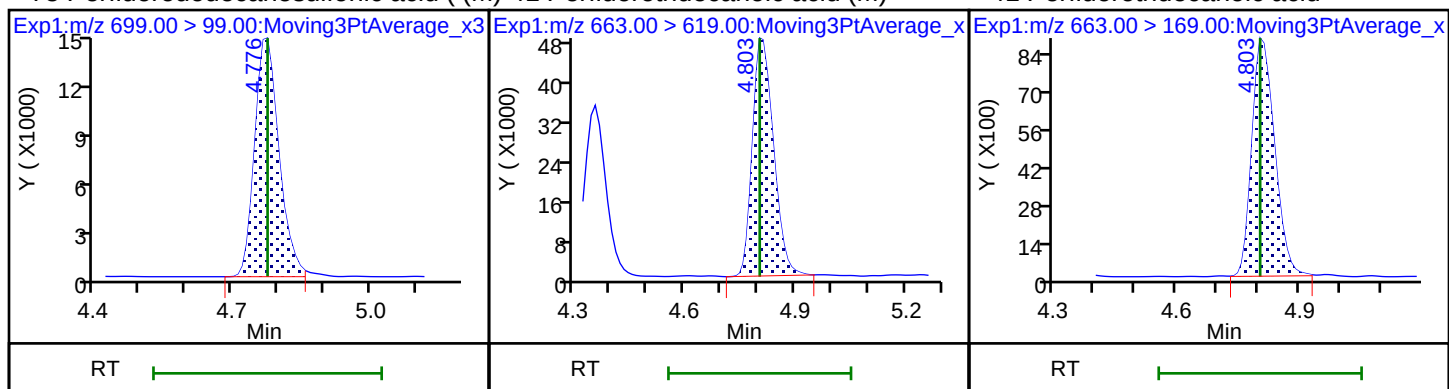
D 36 13C2 PFD0A

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



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

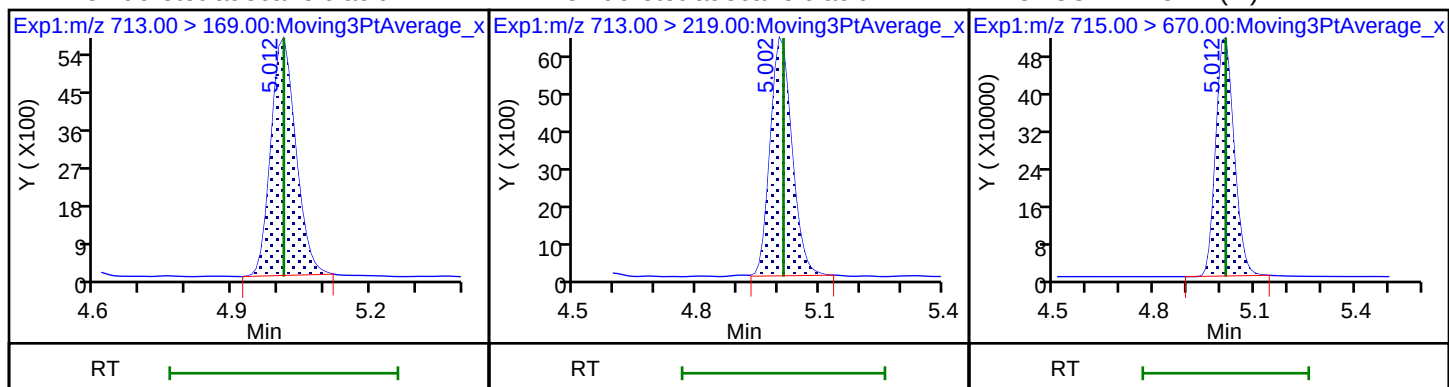
41 Perfluorotridecanoic acid



42 Perfluorotetradecanoic acid

42 Perfluorotetradecanoic acid

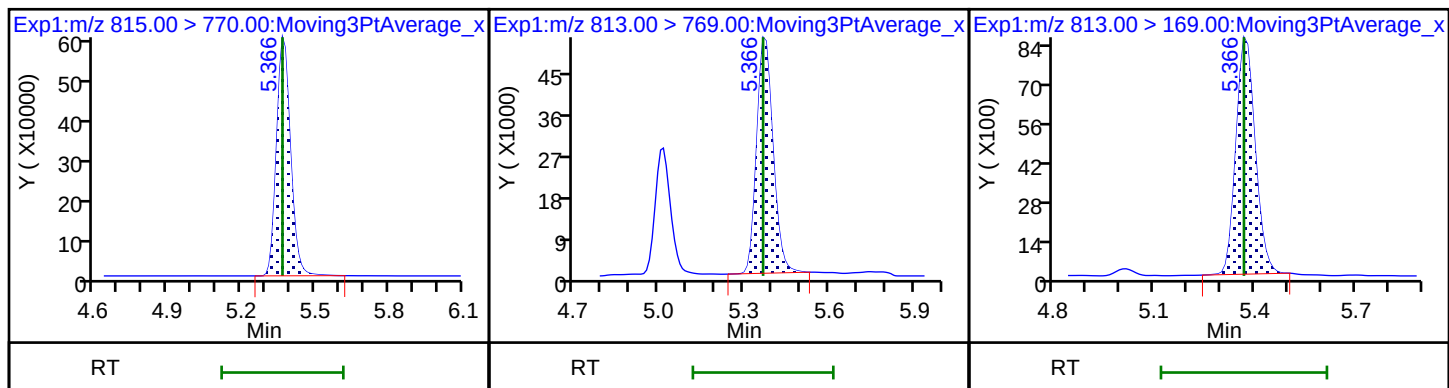
D 43 13C2 PFTeDA (M)



D 44 13C2 PFHxDA

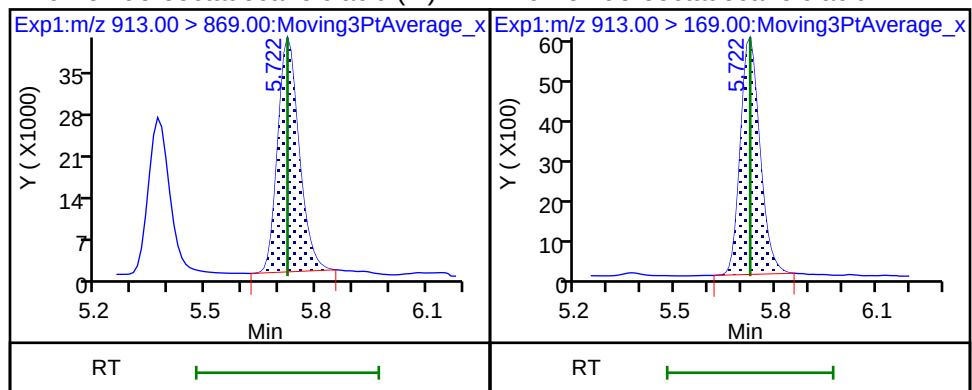
45 Perfluorohexadecanoic acid

45 Perfluorohexadecanoic acid



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid



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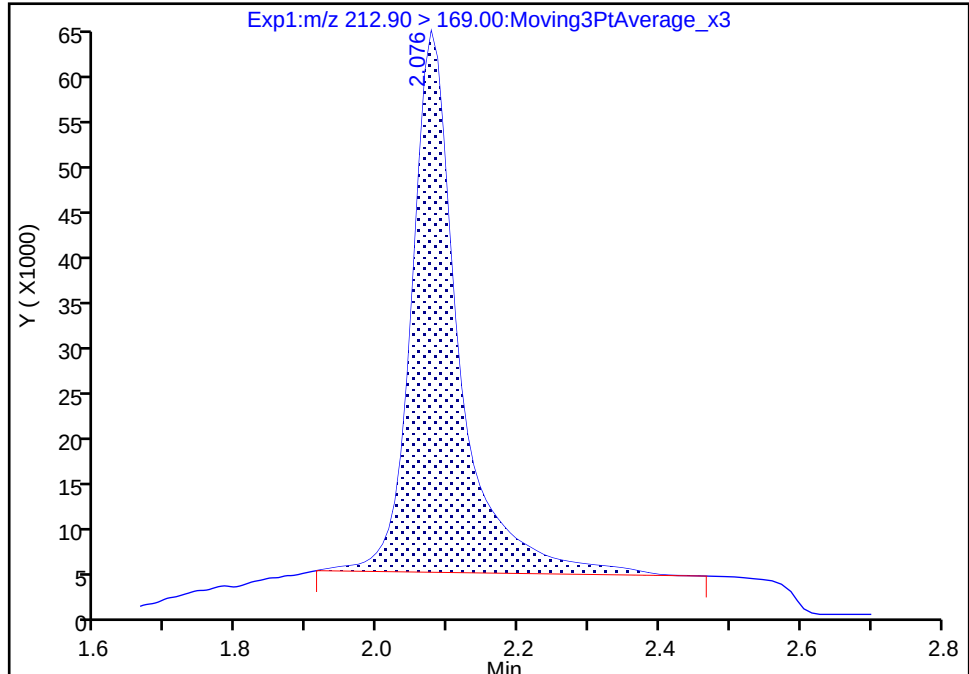
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Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

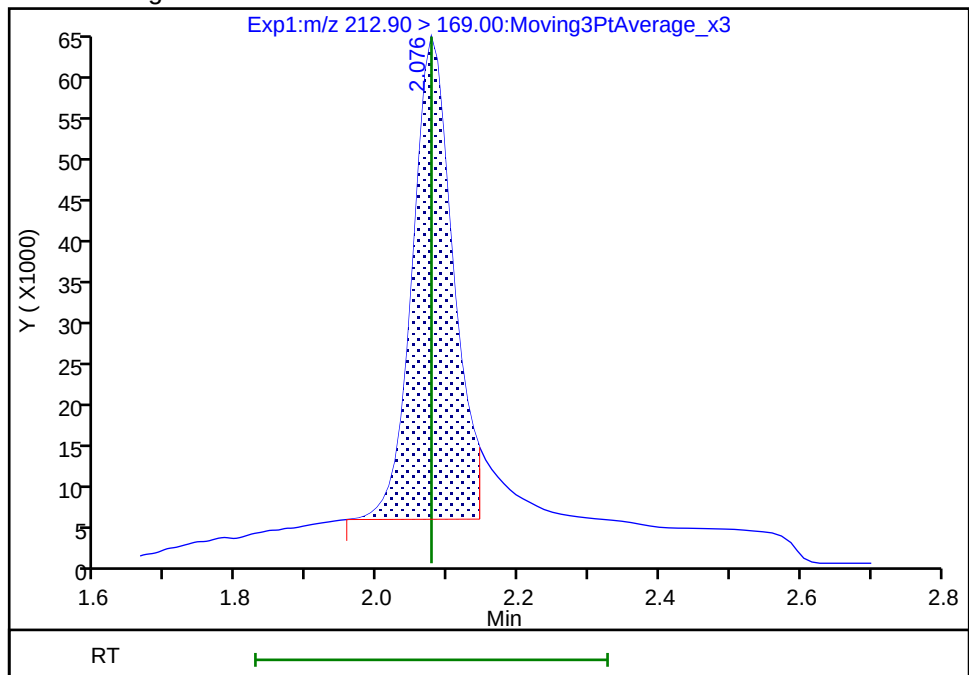
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Area: 280853
Amount: 0.108572
Amount Units: ng/ml

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
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PM

Eurofins Burlington

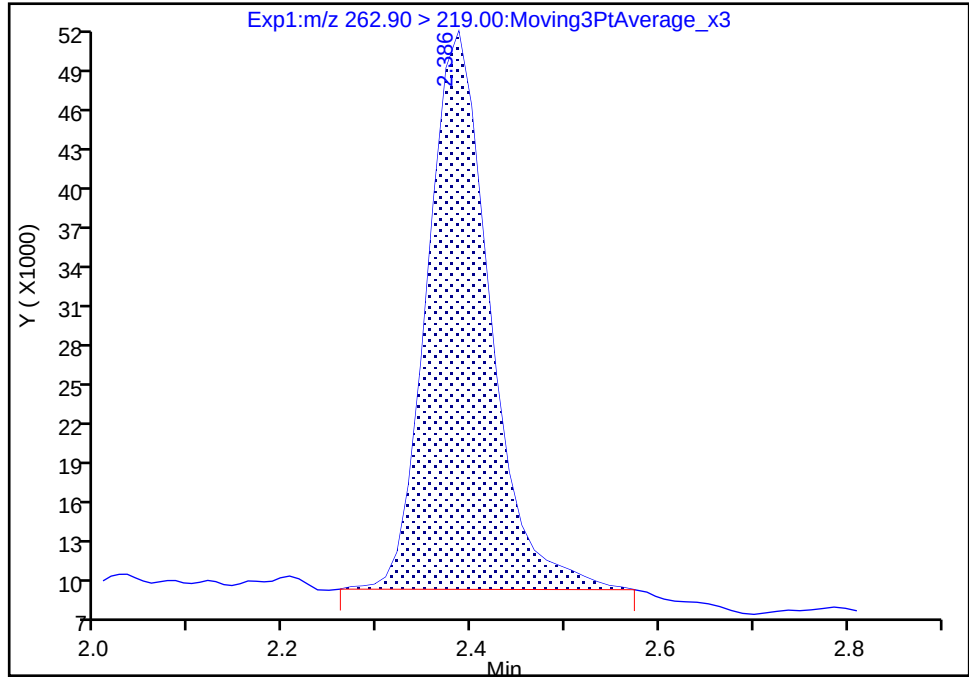
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Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

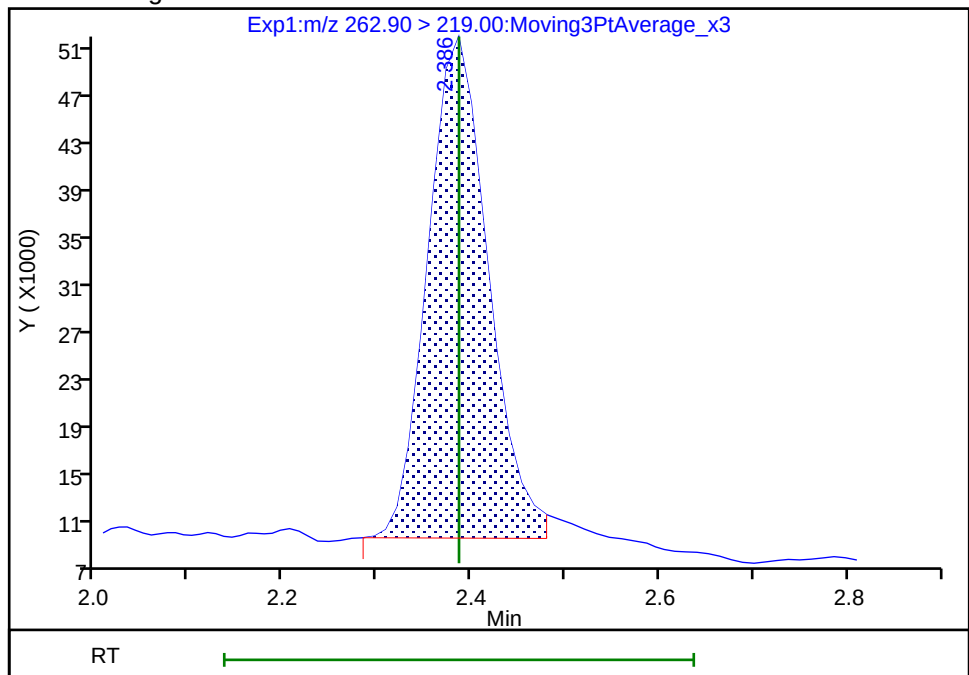
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Area: 195135
Amount: 0.103655
Amount Units: ng/ml

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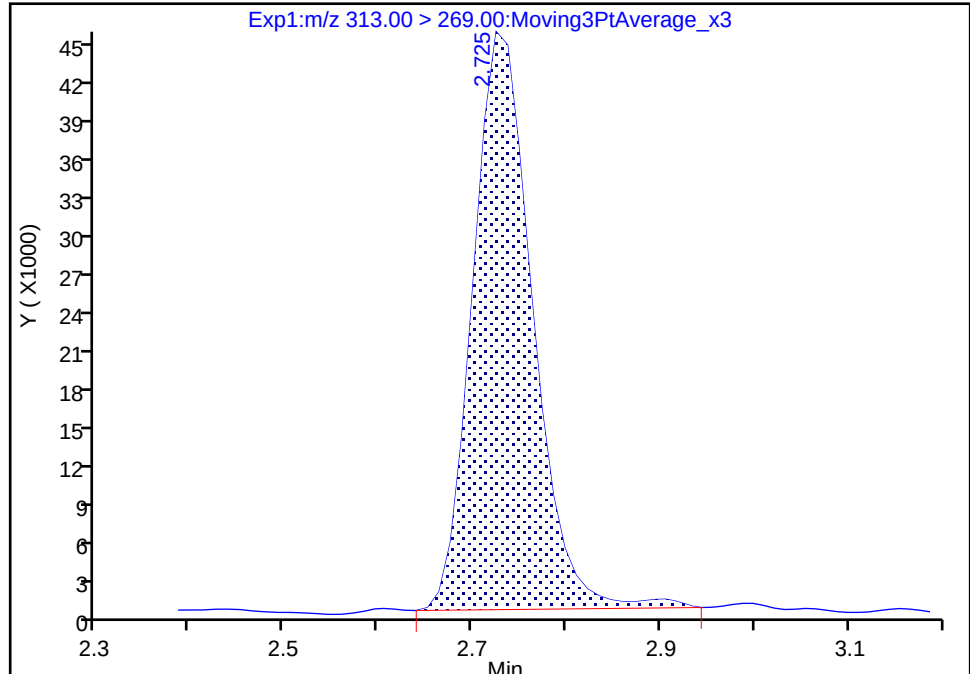
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Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

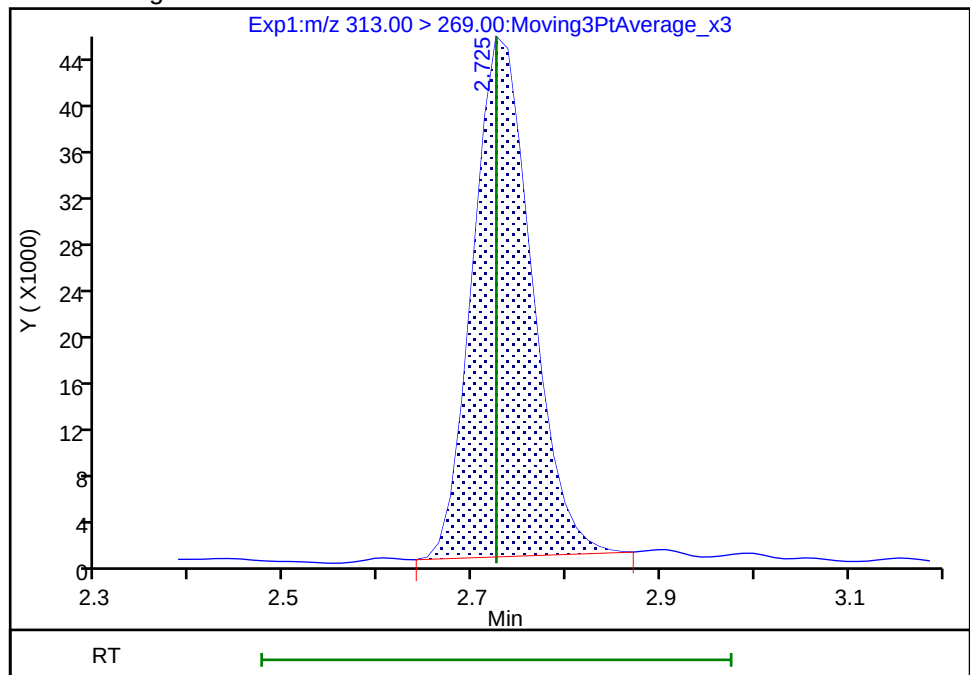
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Amount: 0.100921
Amount Units: ng/ml

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
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PM

Eurofins Burlington

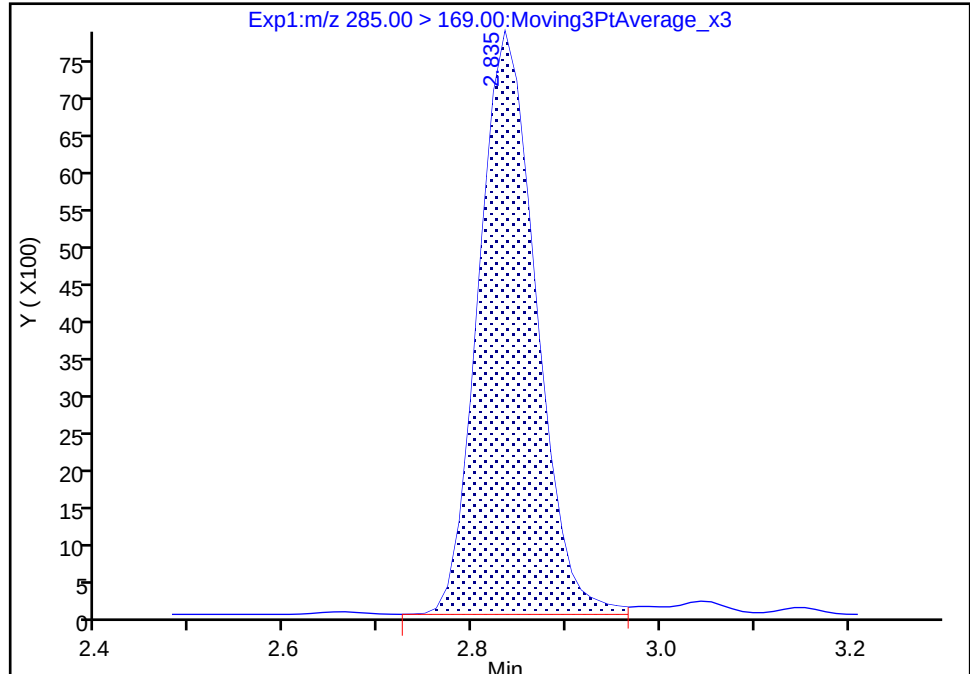
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Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

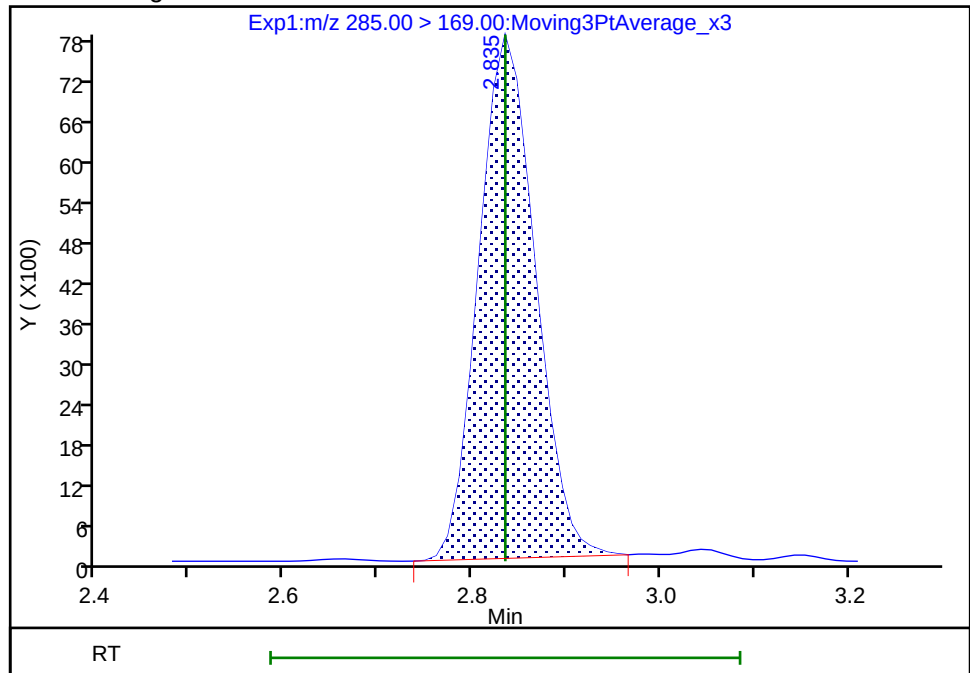
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Amount: 0.103414
Amount Units: ng/ml

Processing Integration Results



RT: 2.83
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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
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Eurofins Burlington

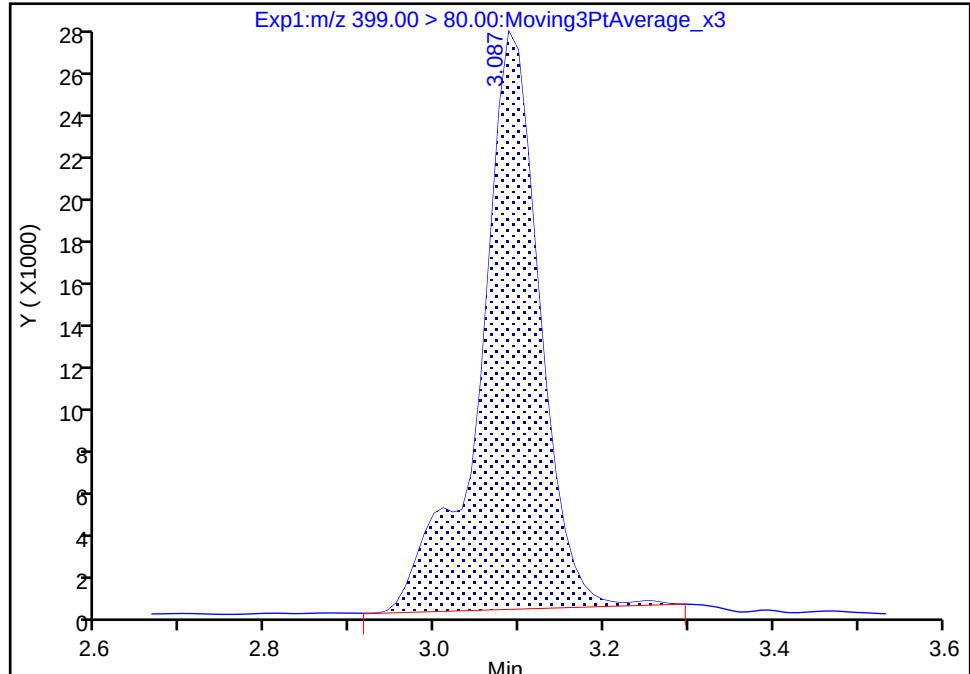
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Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

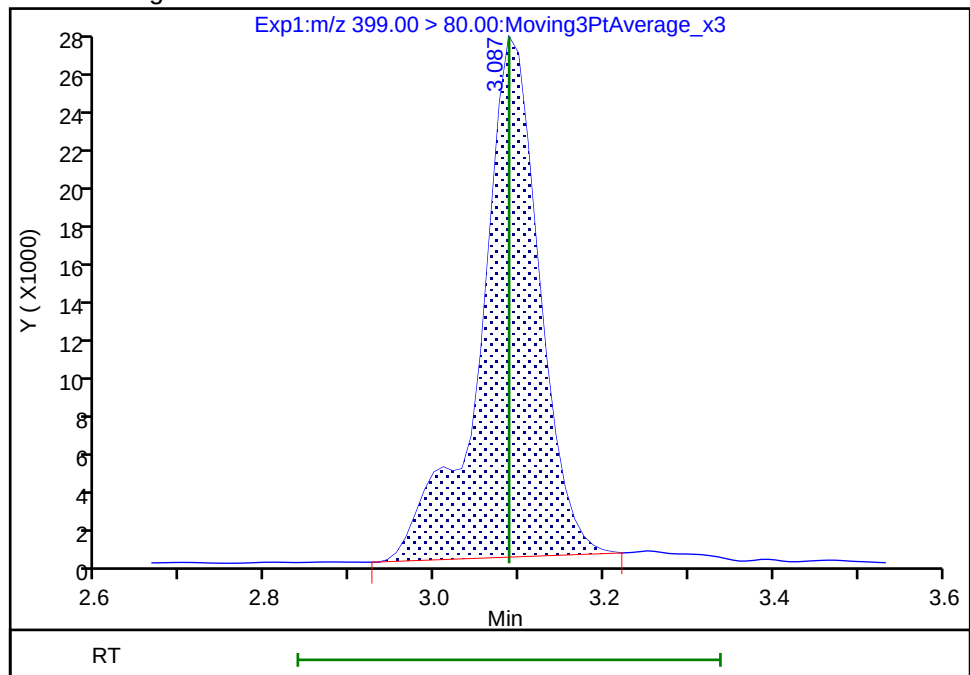
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Amount: 0.088001
Amount Units: ng/ml

Processing Integration Results



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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
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PM

Eurofins Burlington

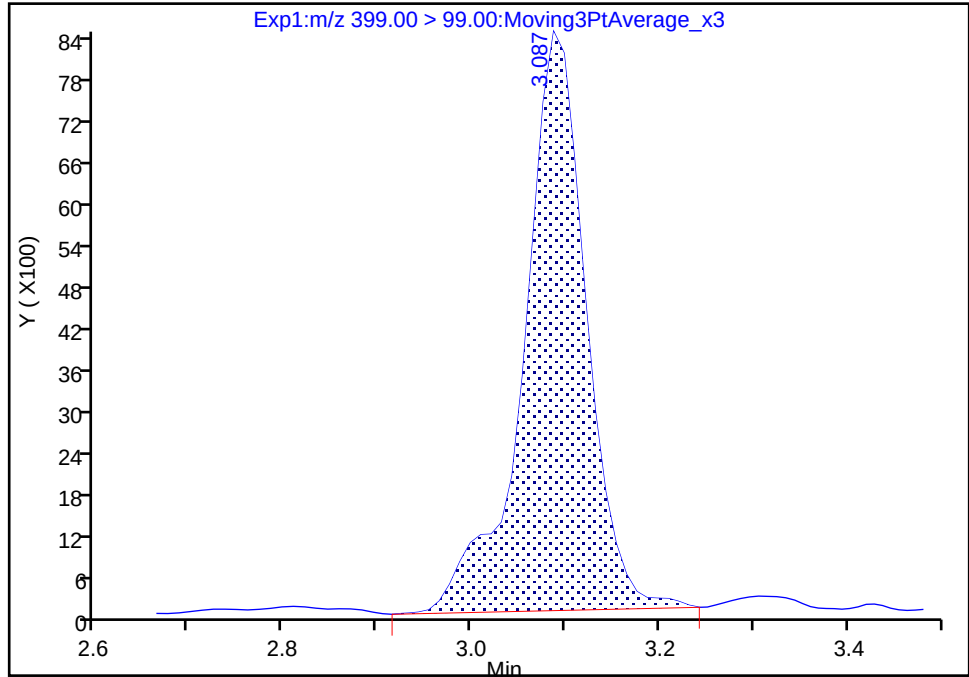
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

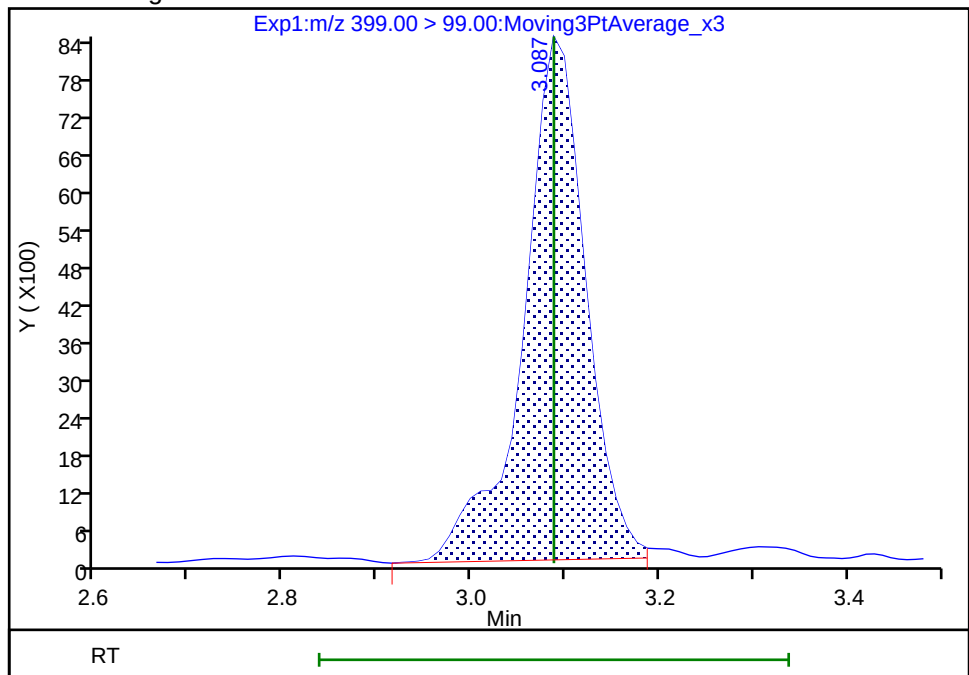
RT: 3.09
Area: 38807
Amount: 0.088001
Amount Units: ng/ml

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
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Eurofins Burlington

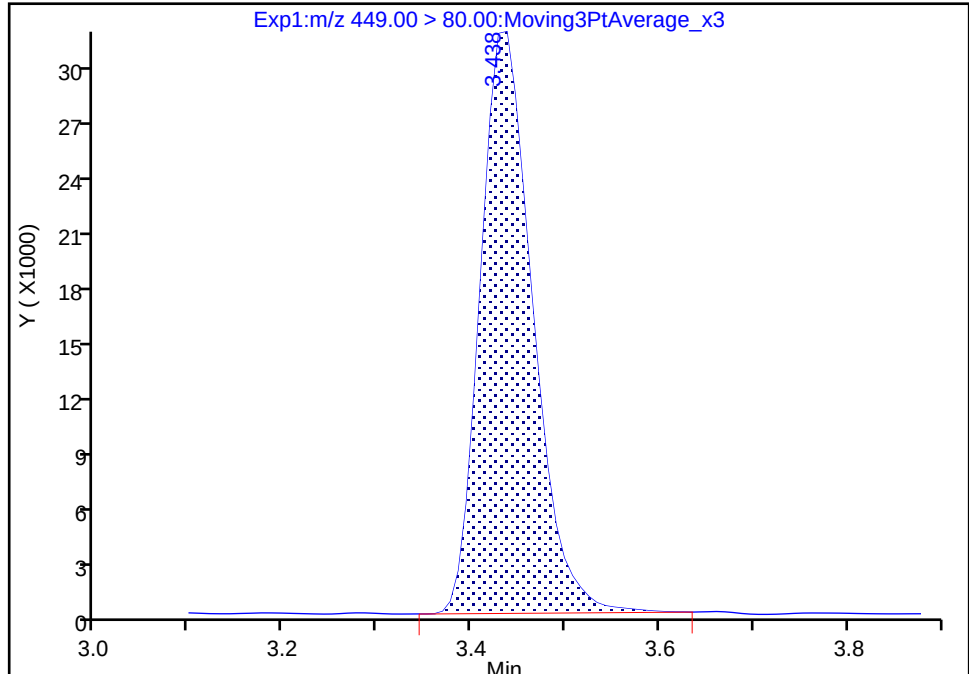
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

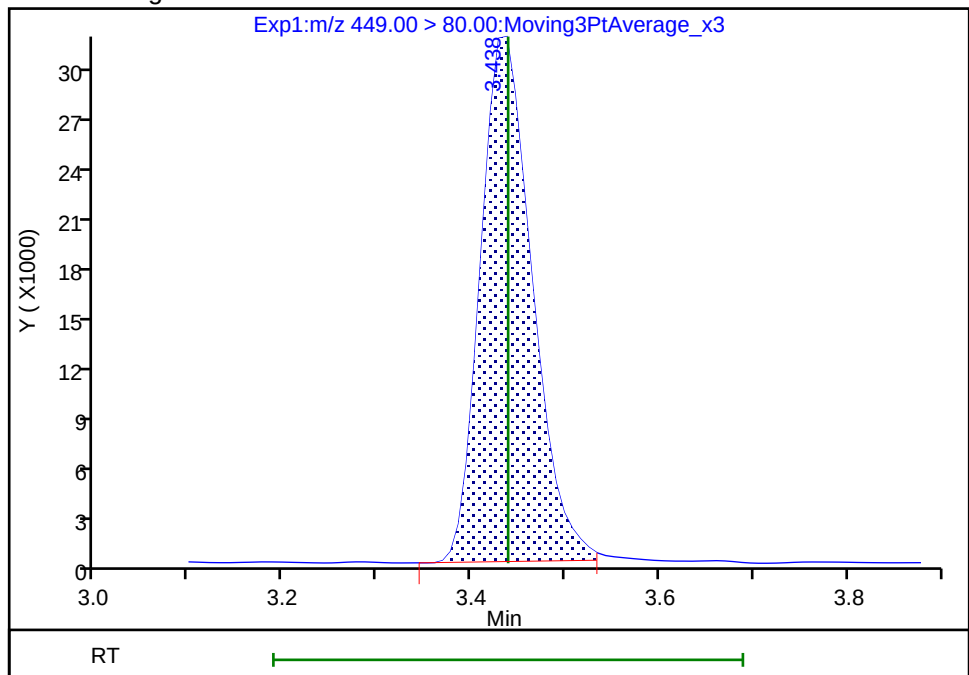
RT: 3.44
Area: 122929
Amount: 0.097560
Amount Units: ng/ml

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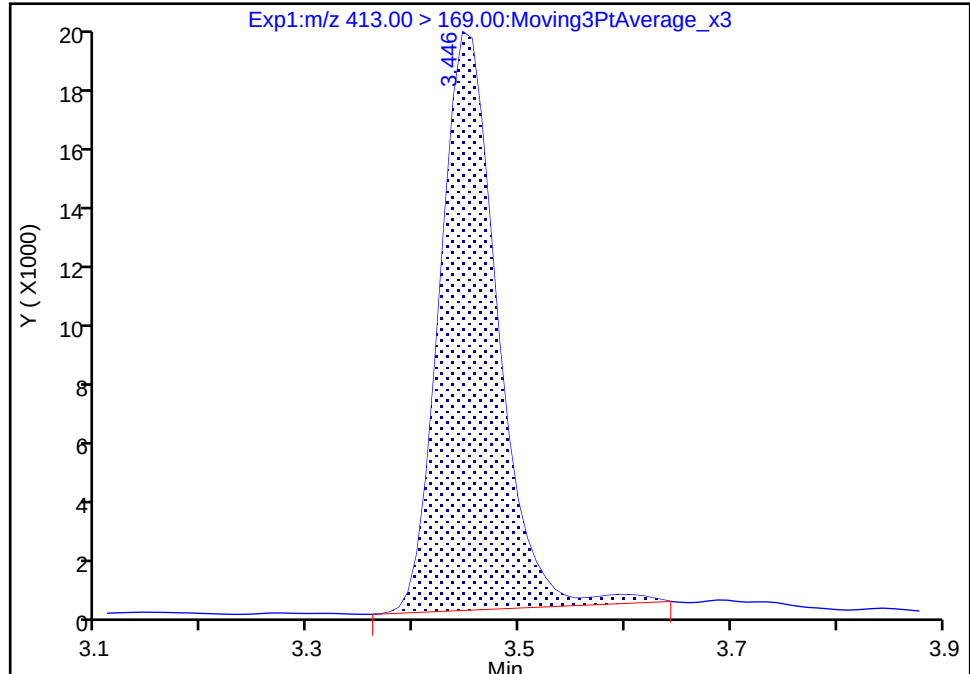
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

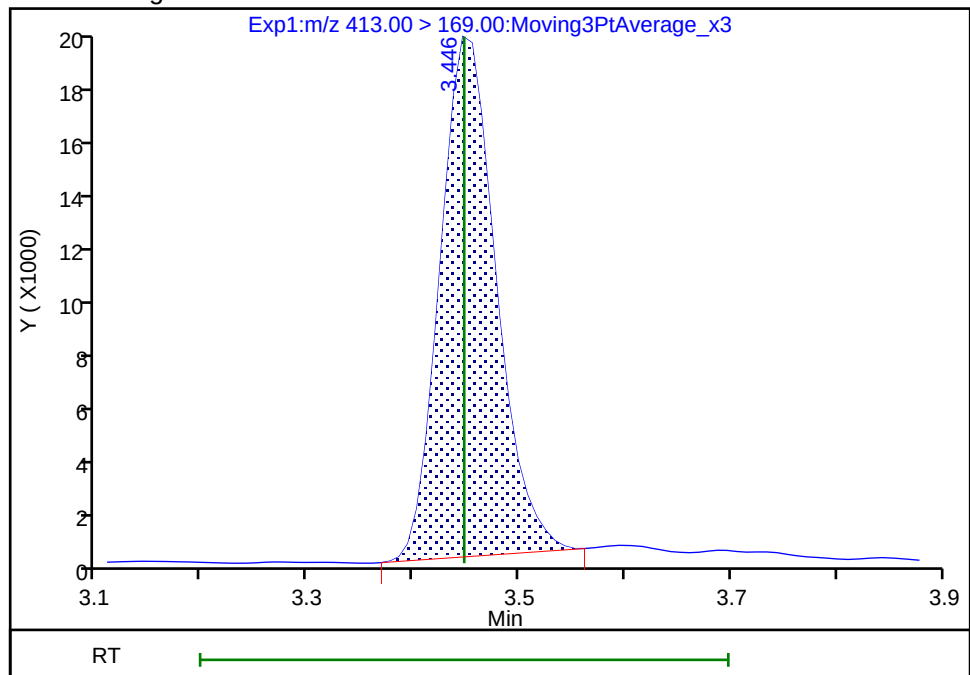
RT: 3.45
Area: 74541
Amount: 0.096919
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 71984
Amount: 0.101896
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:54:50
Audit Action: Manually Integrated

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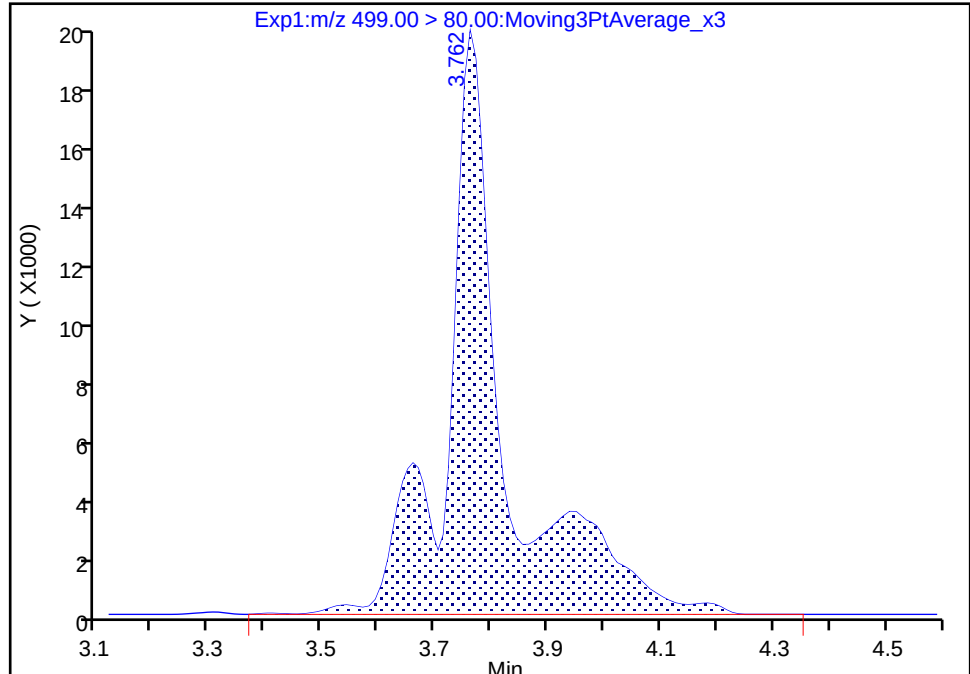
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

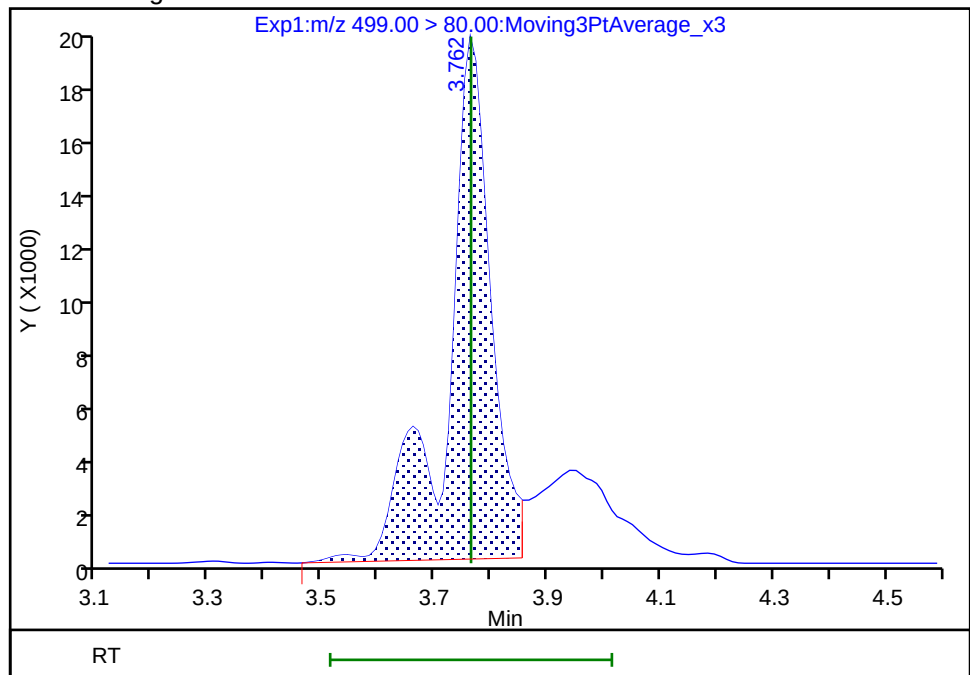
RT: 3.76
Area: 145194
Amount: 0.106140
Amount Units: ng/ml

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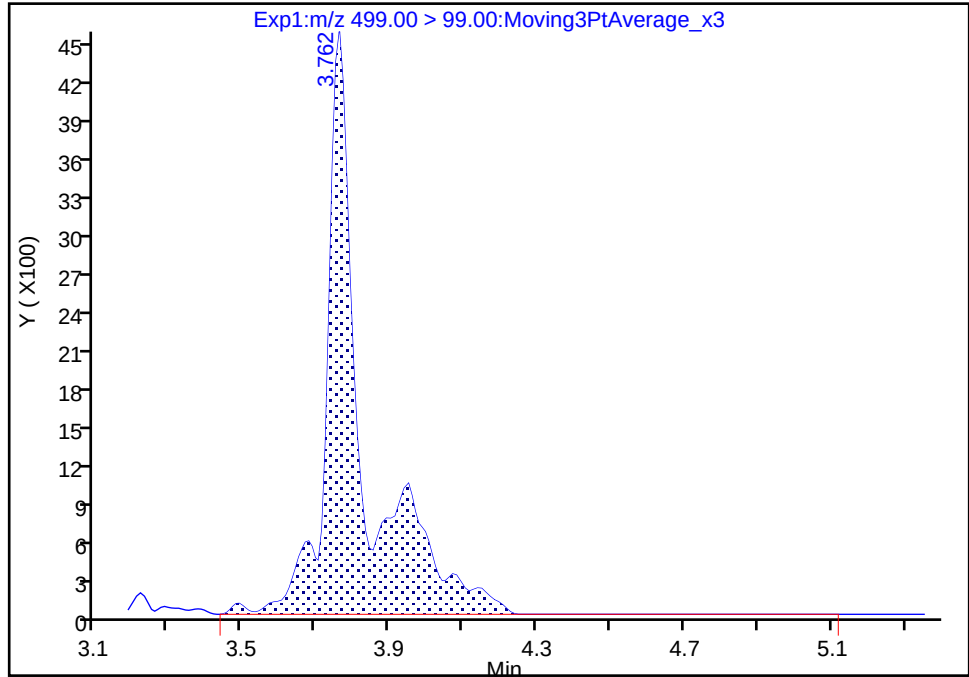
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Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

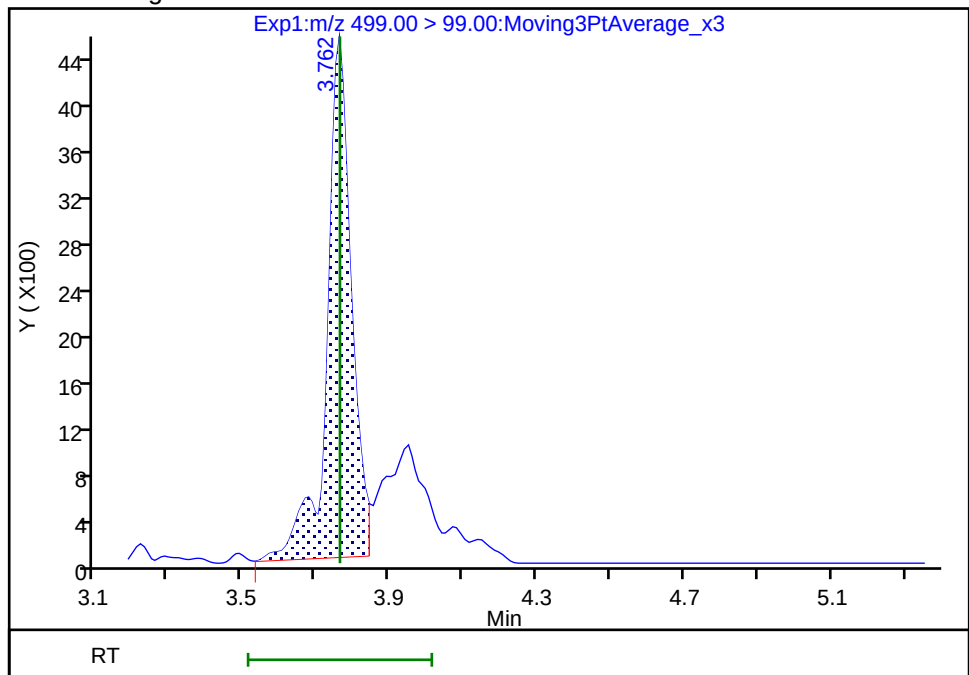
RT: 3.76
Area: 31586
Amount: 0.106140
Amount Units: ng/ml

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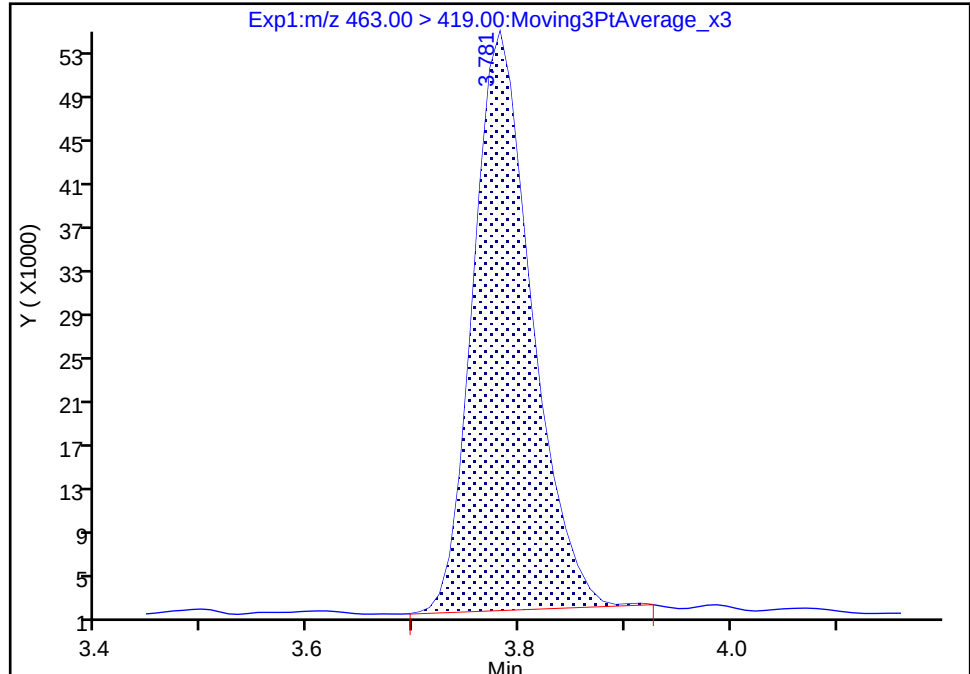
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Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

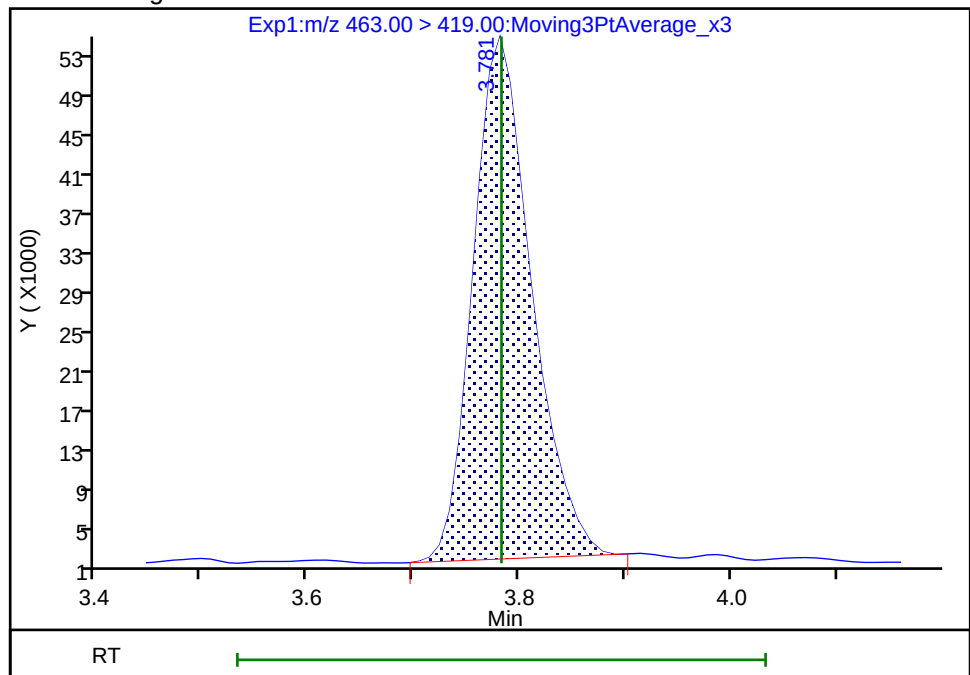
RT: 3.78
Area: 202724
Amount: 0.099917
Amount Units: ng/ml

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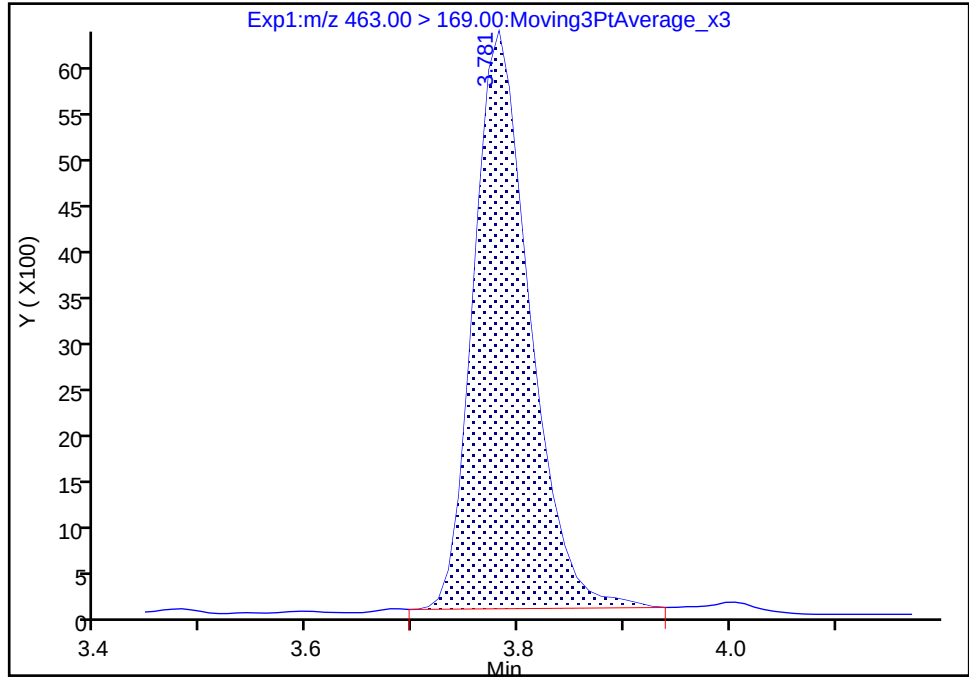
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

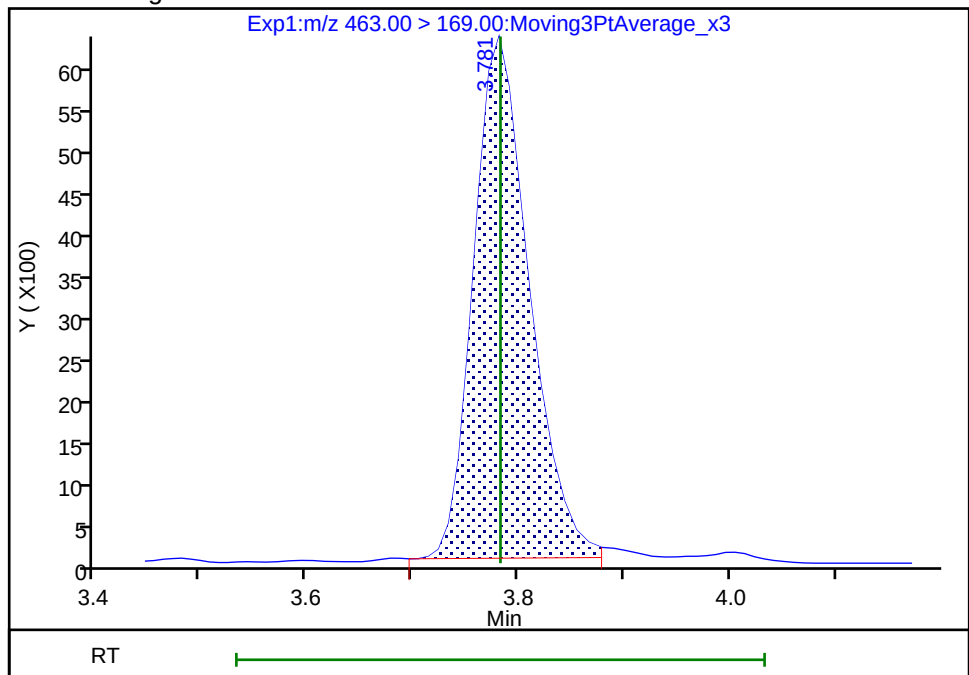
RT: 3.78
Area: 23367
Amount: 0.099917
Amount Units: ng/ml

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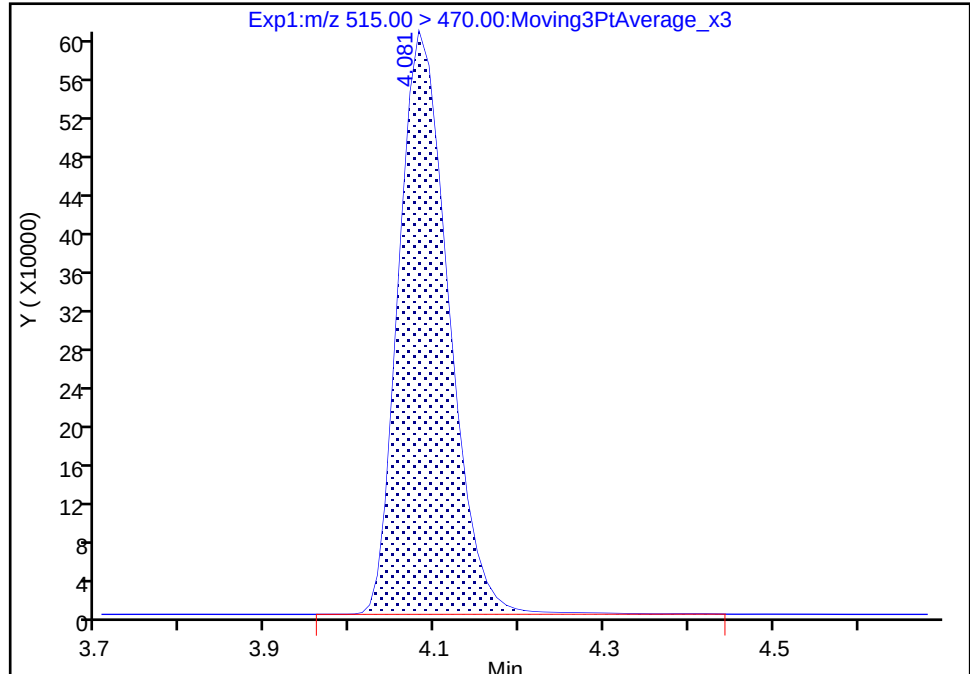
Data File:	\\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d		
Injection Date:	18-Nov-2022 14:38:04	Instrument ID:	LC812
Lims ID:	IC		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	3 Worklist Smp#: 6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL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

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

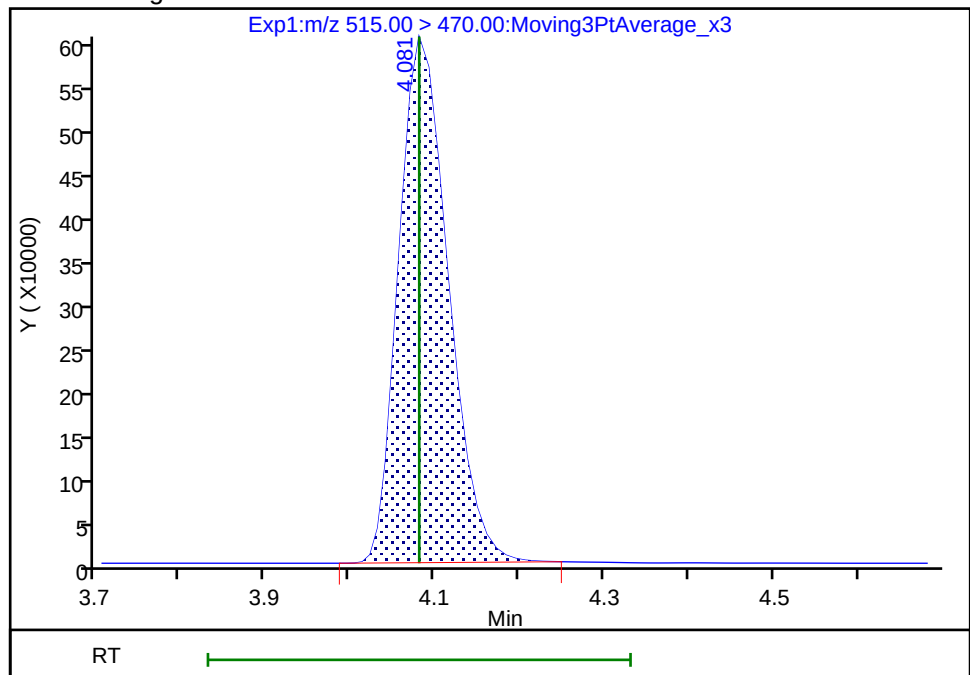
RT: 4.08
Area: 2458427
Amount: 1.268074
Amount Units: ng/ml

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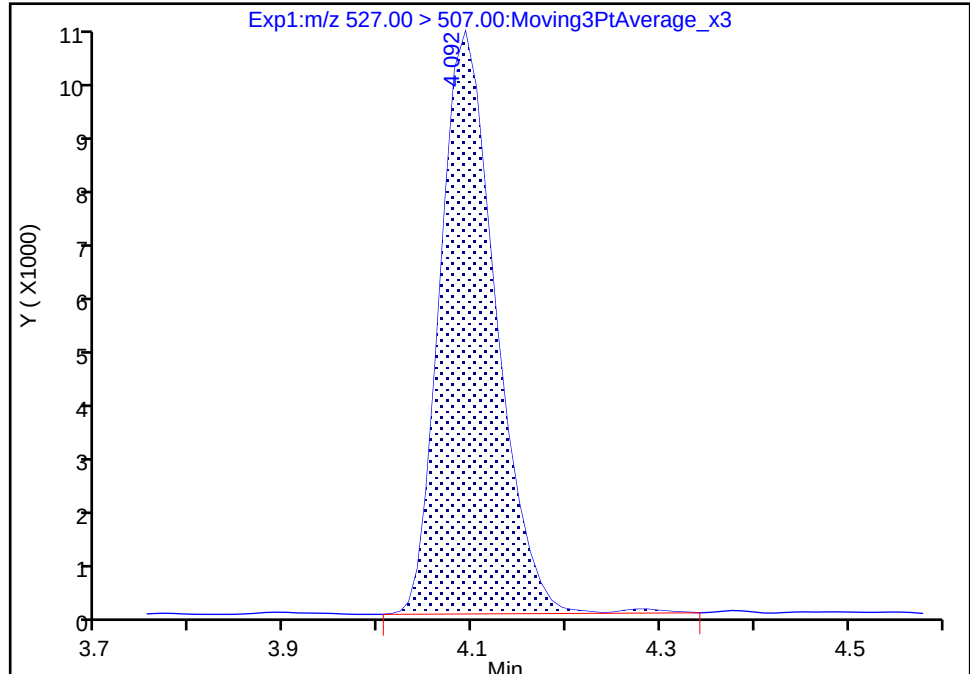
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

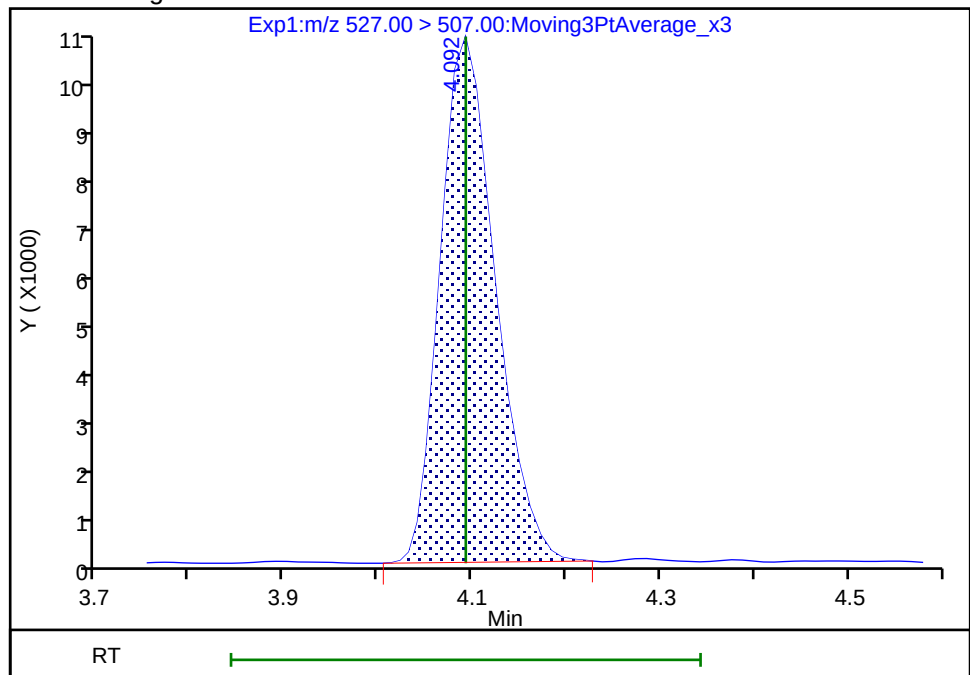
RT: 4.09
Area: 41439
Amount: 0.097438
Amount Units: ng/ml

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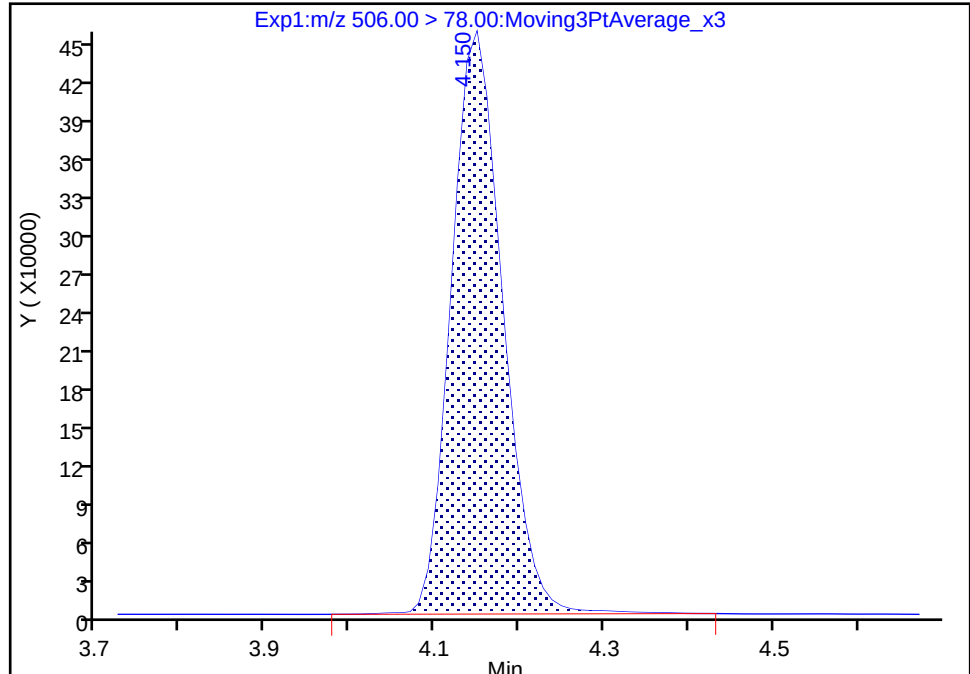
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

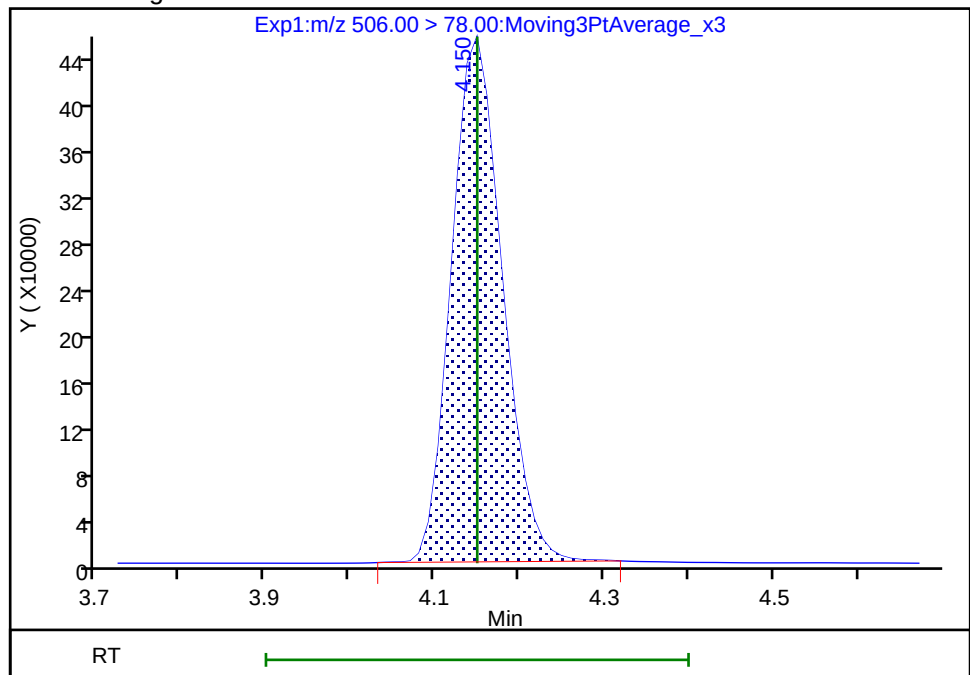
RT: 4.15
Area: 1921287
Amount: 1.214680
Amount Units: ng/ml

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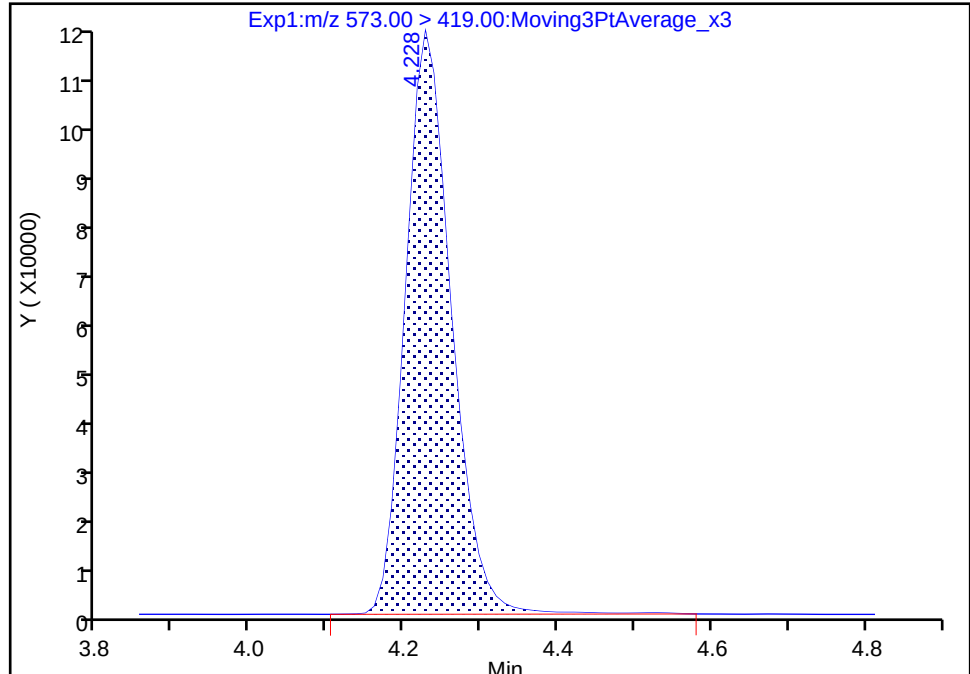
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Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

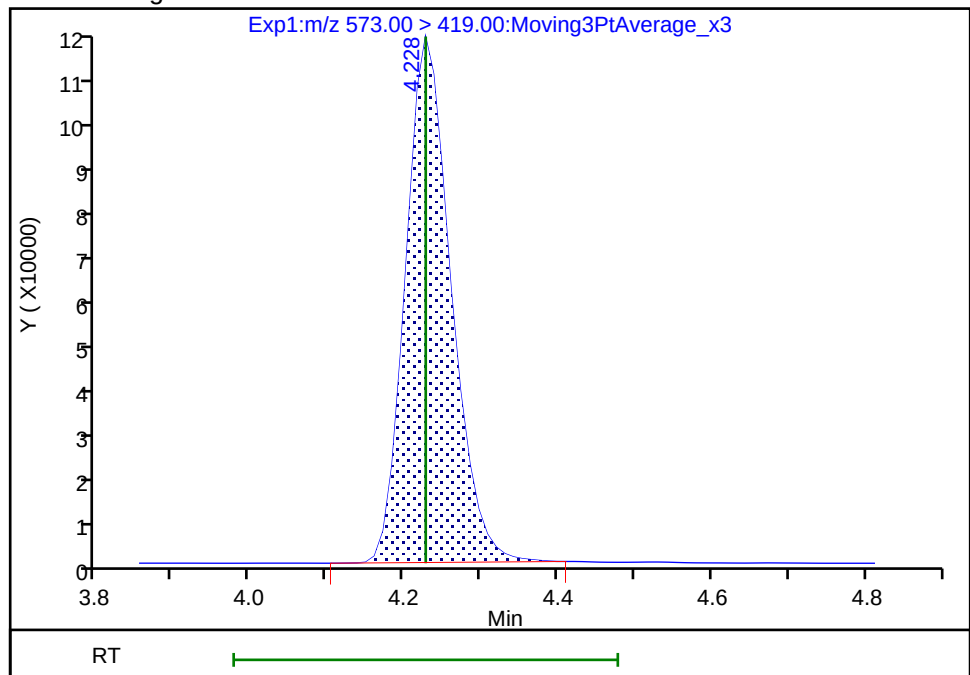
RT: 4.23
Area: 483256
Amount: 1.235603
Amount Units: ng/ml

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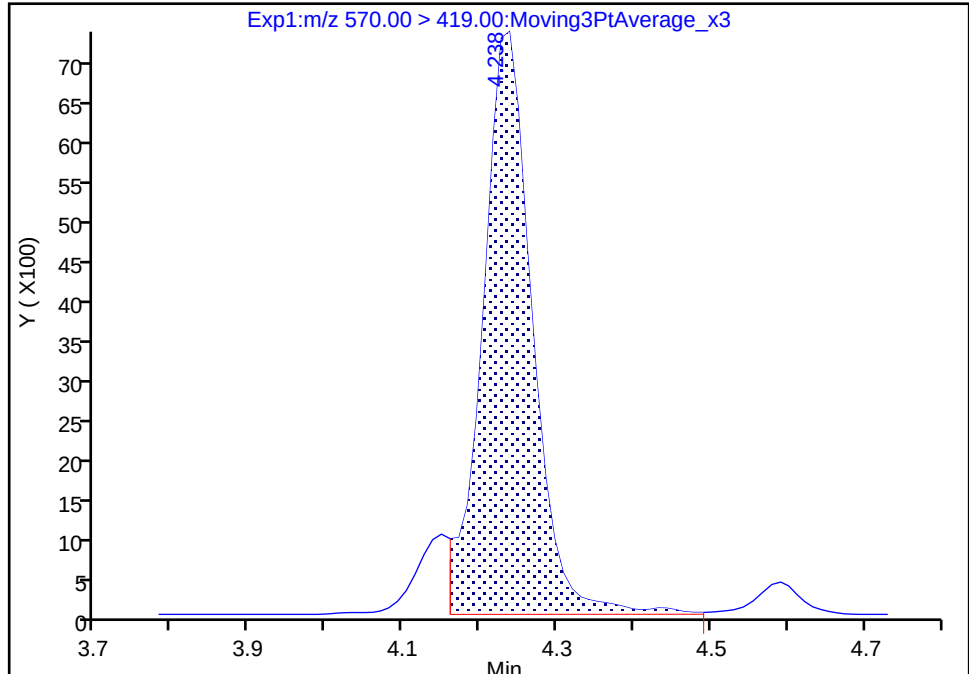
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

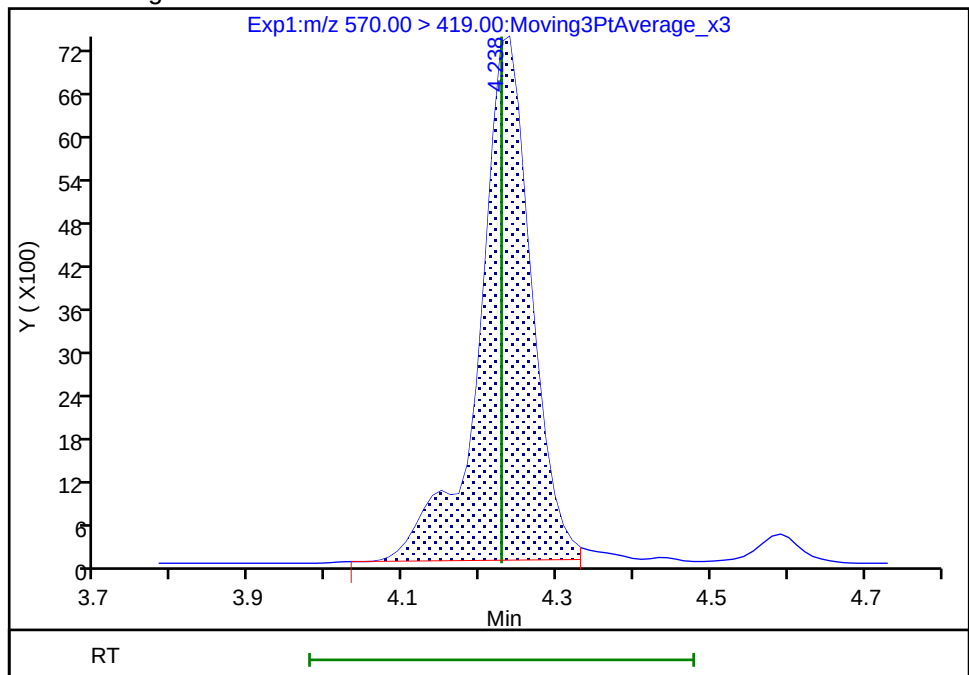
RT: 4.24
Area: 32710
Amount: 0.089959
Amount Units: ng/ml

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

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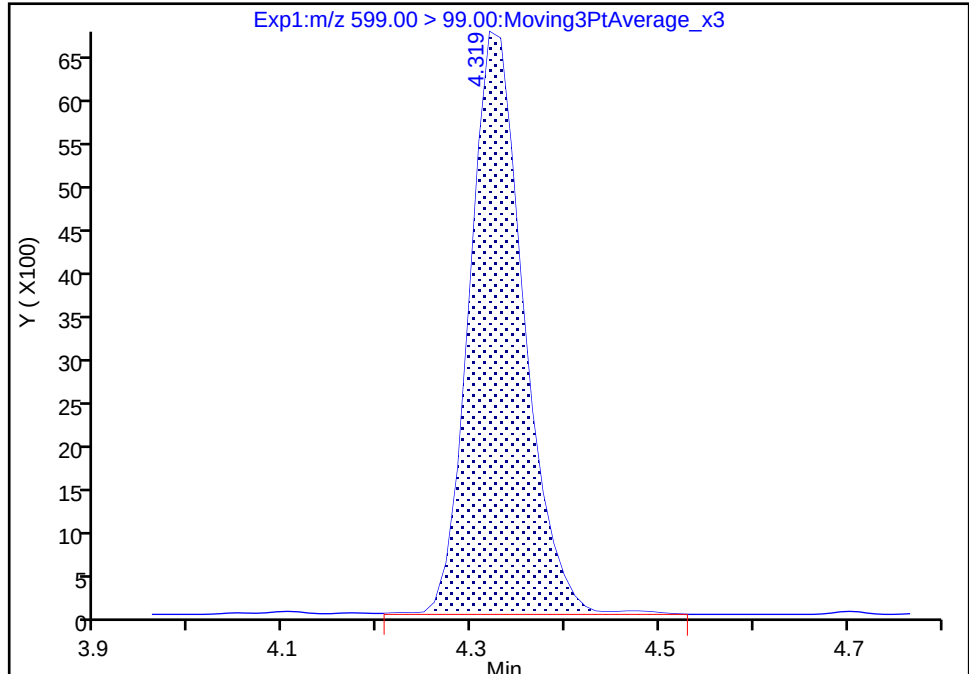
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

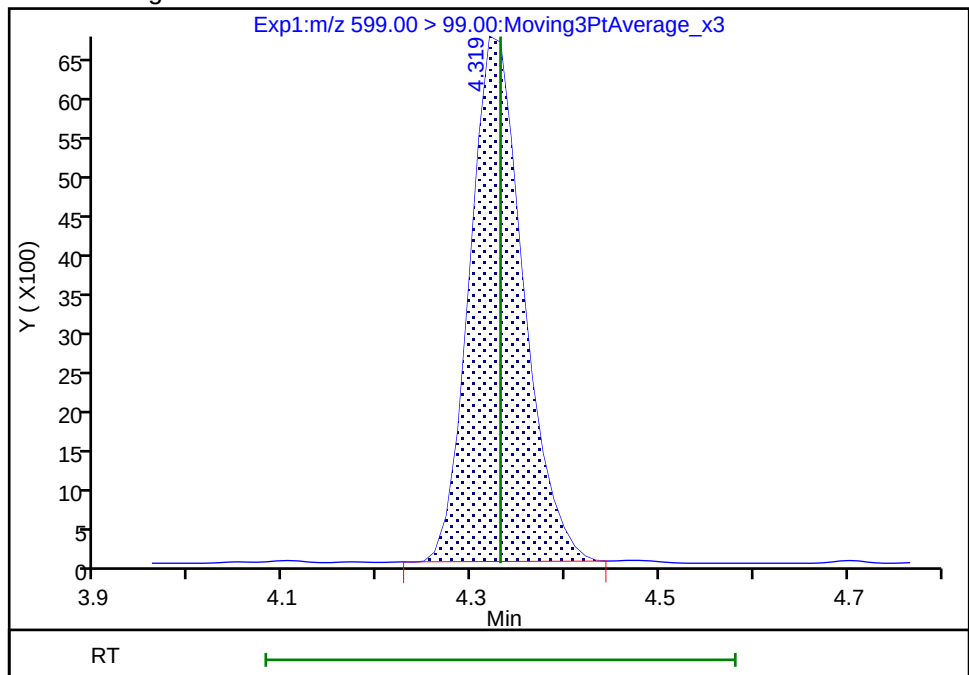
RT: 4.32
Area: 27216
Amount: 0.096282
Amount Units: ng/ml

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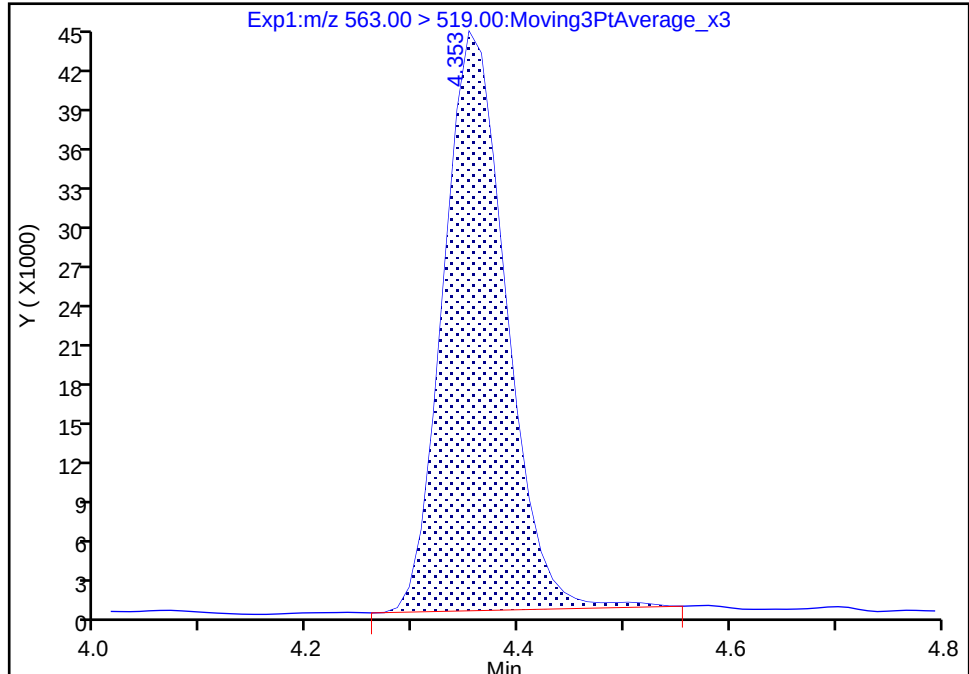
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

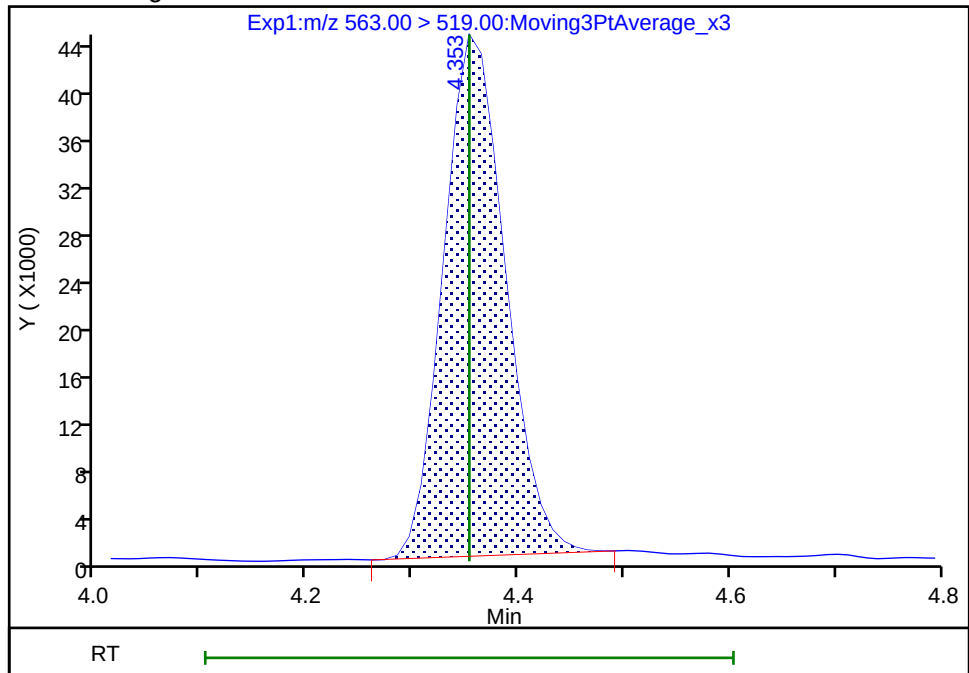
RT: 4.35
Area: 179706
Amount: 0.100640
Amount Units: ng/ml

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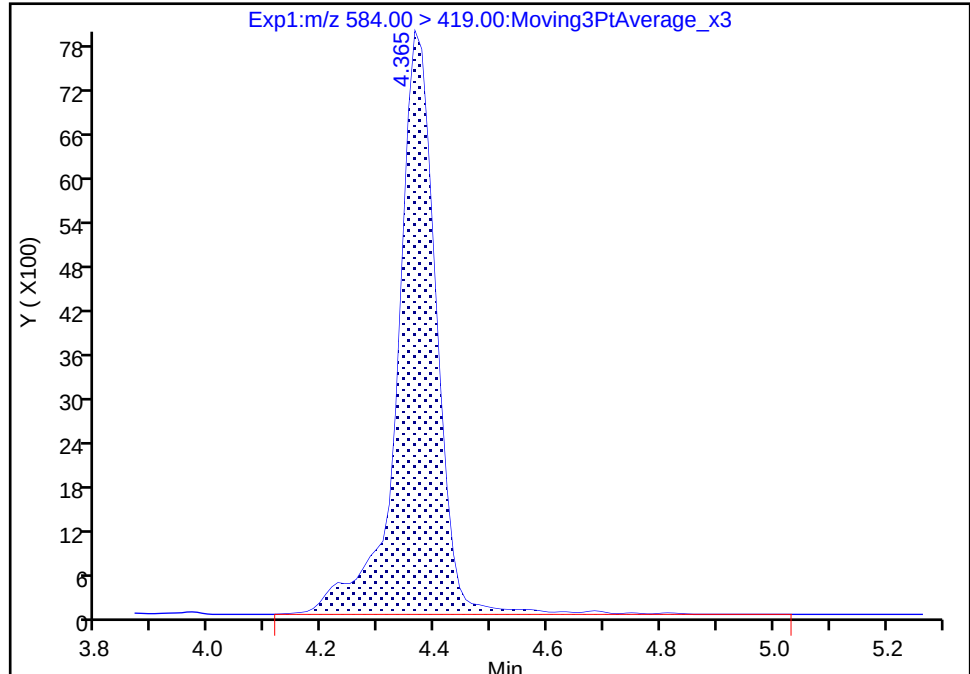
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

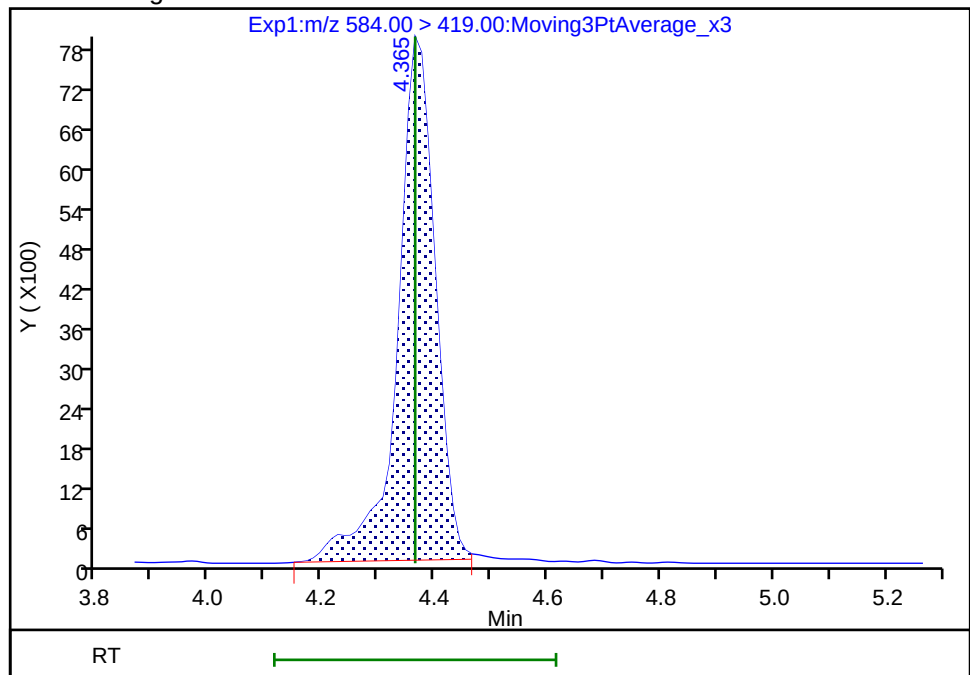
RT: 4.36
Area: 38260
Amount: 0.101365
Amount Units: ng/ml

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
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Eurofins Burlington

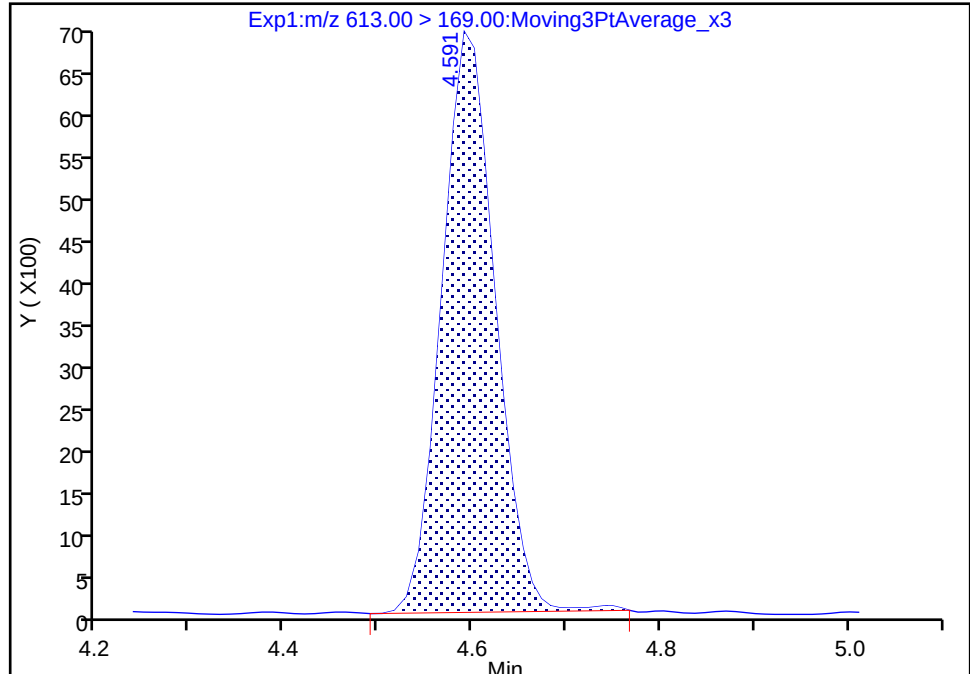
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

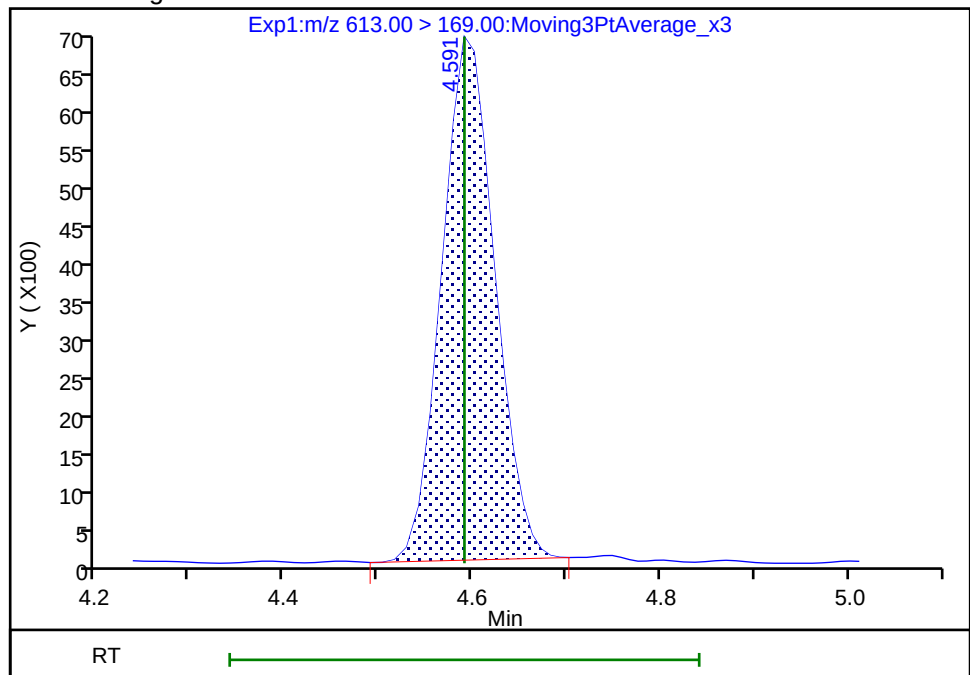
RT: 4.59
Area: 27250
Amount: 0.099538
Amount Units: ng/ml

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
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Eurofins Burlington

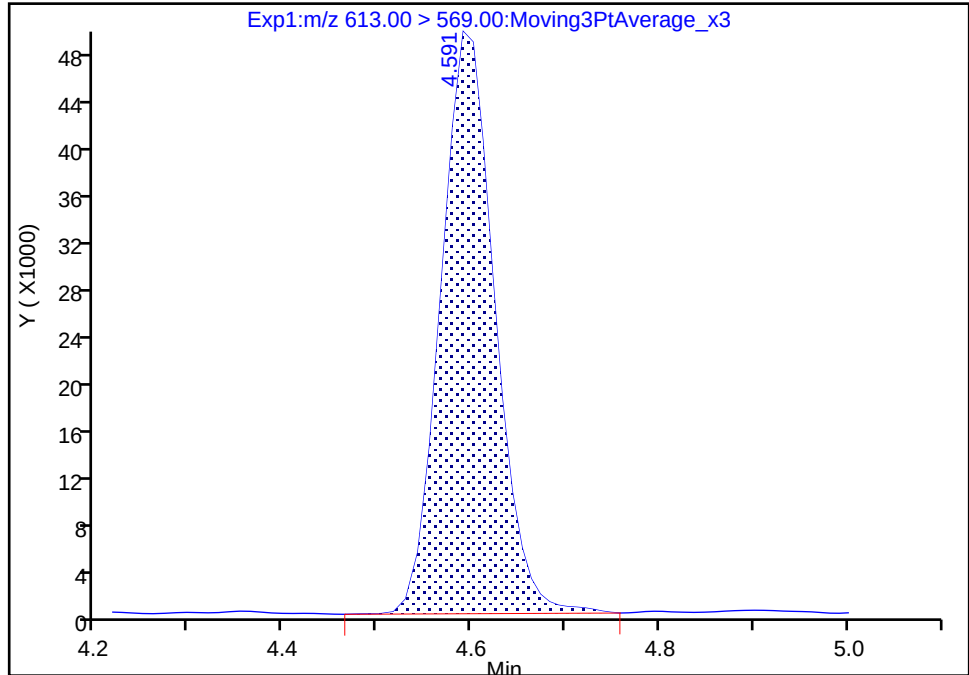
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

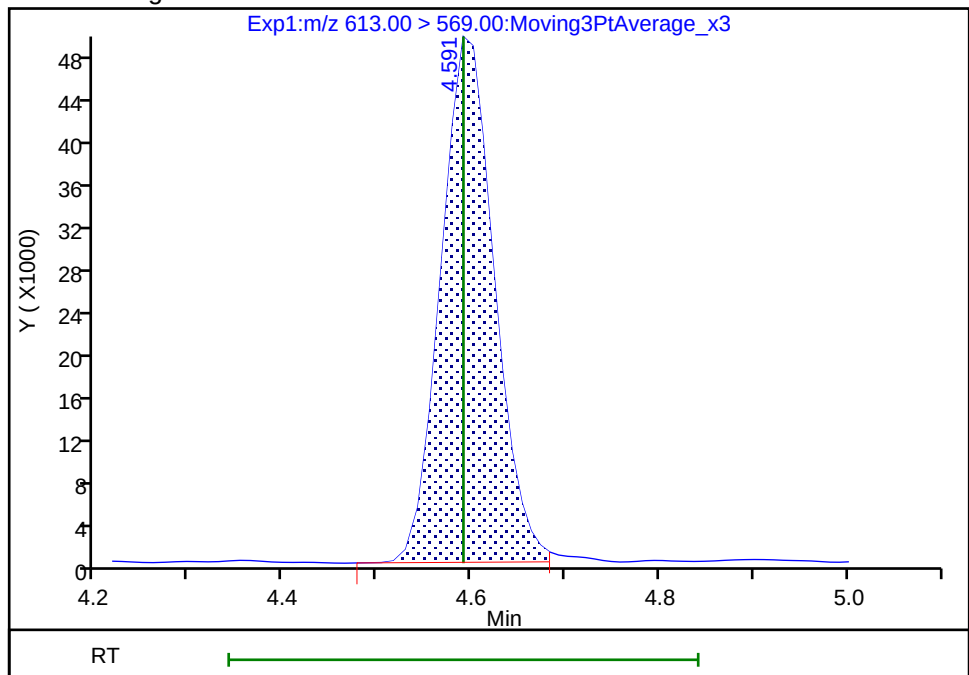
RT: 4.59
Area: 197049
Amount: 0.099538
Amount Units: ng/ml

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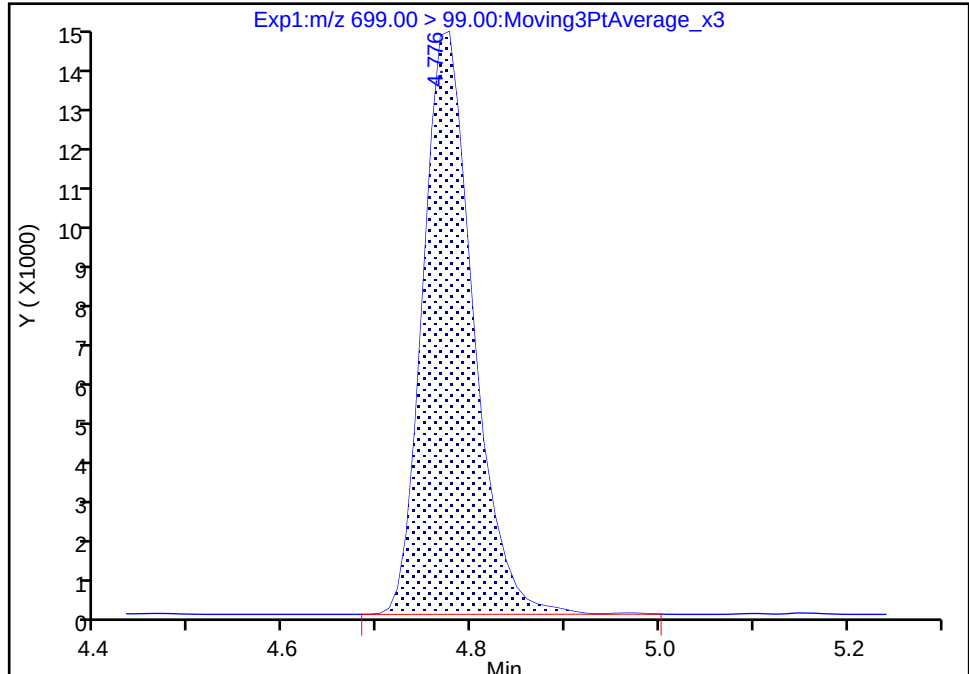
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 2

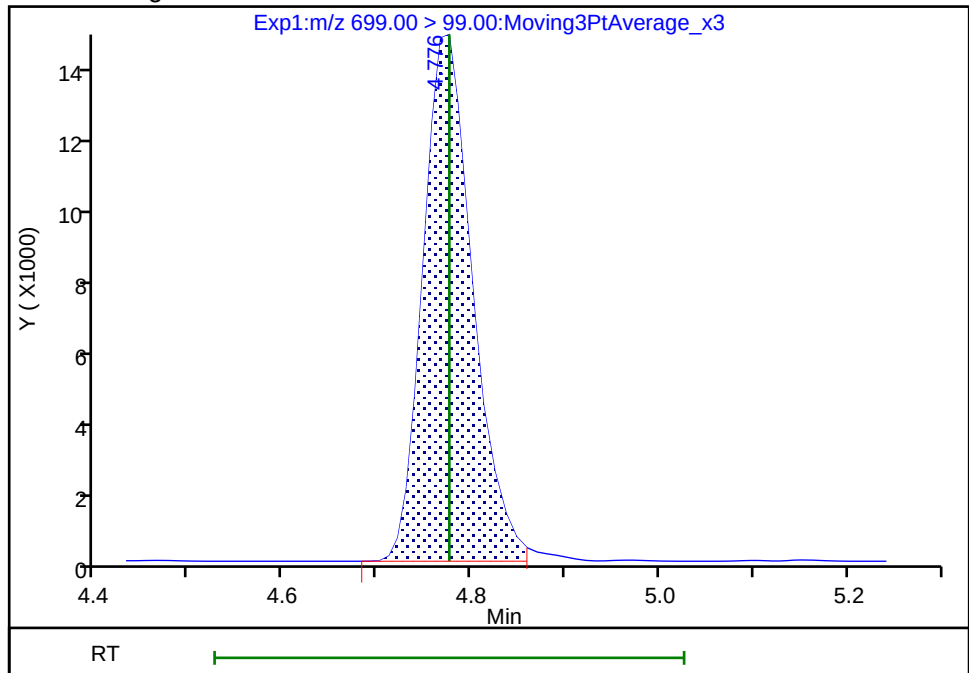
RT: 4.78
Area: 52070
Amount: 0.097278
Amount Units: ng/ml

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
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PM

Eurofins Burlington

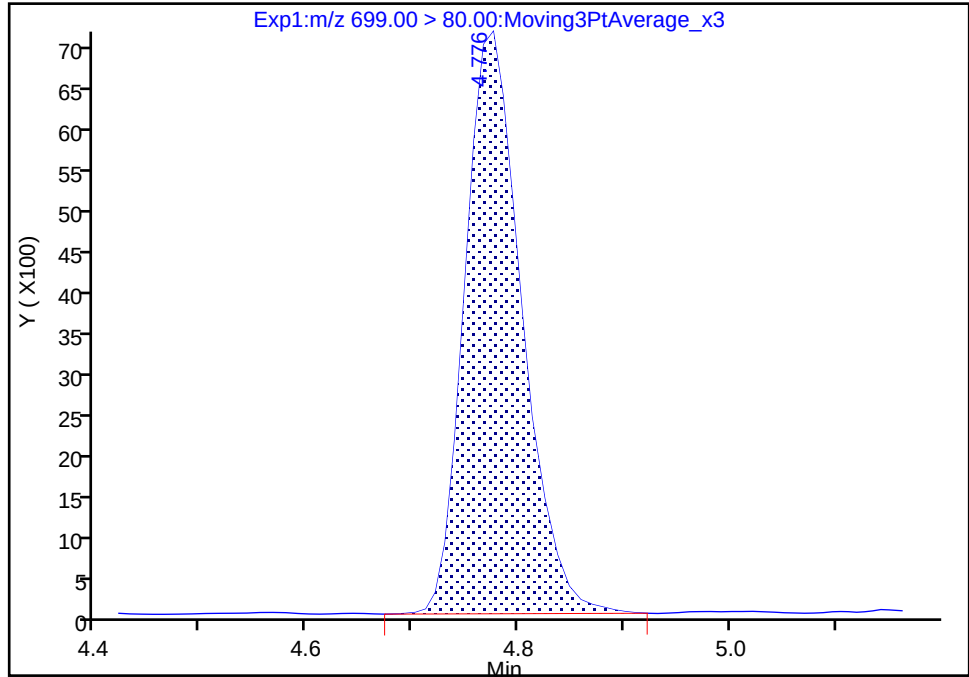
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL06.d
Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

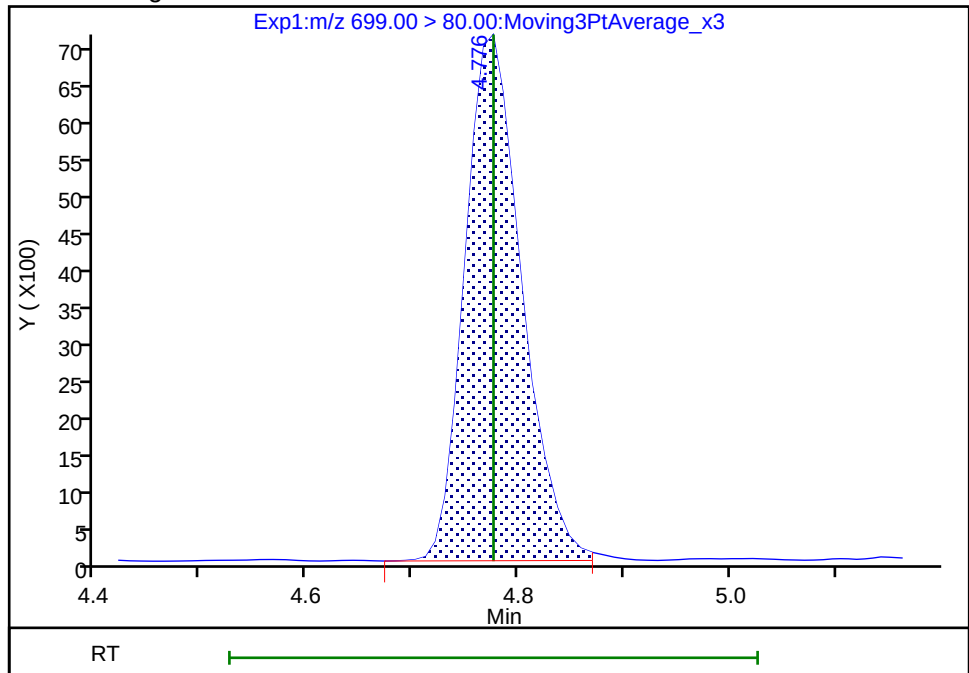
RT: 4.78
Area: 26672
Amount: 0.097278
Amount Units: ng/ml

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
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PM

Eurofins Burlington

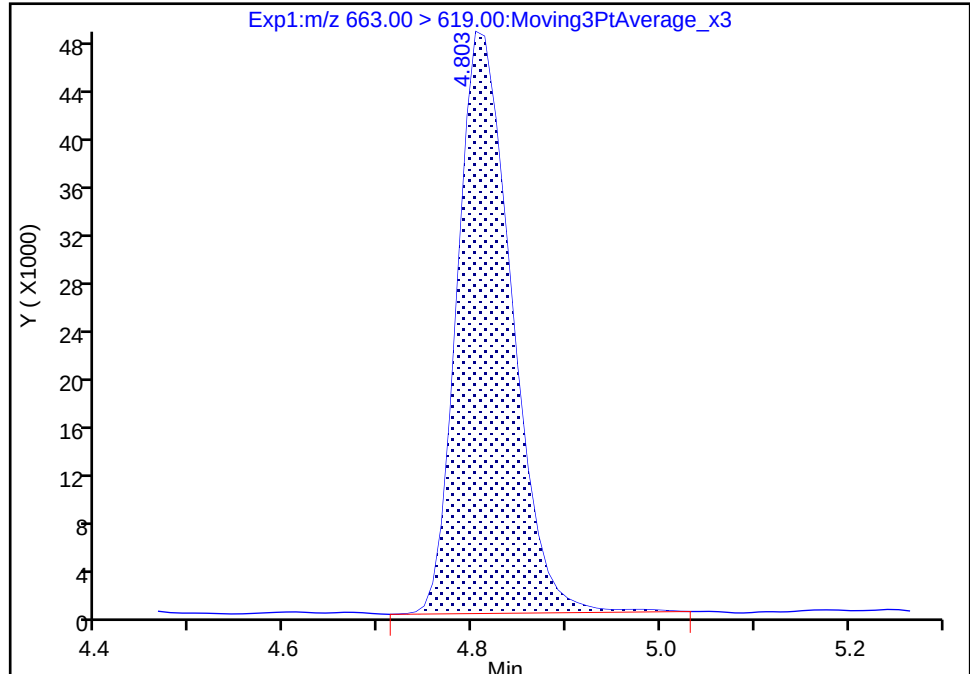
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Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

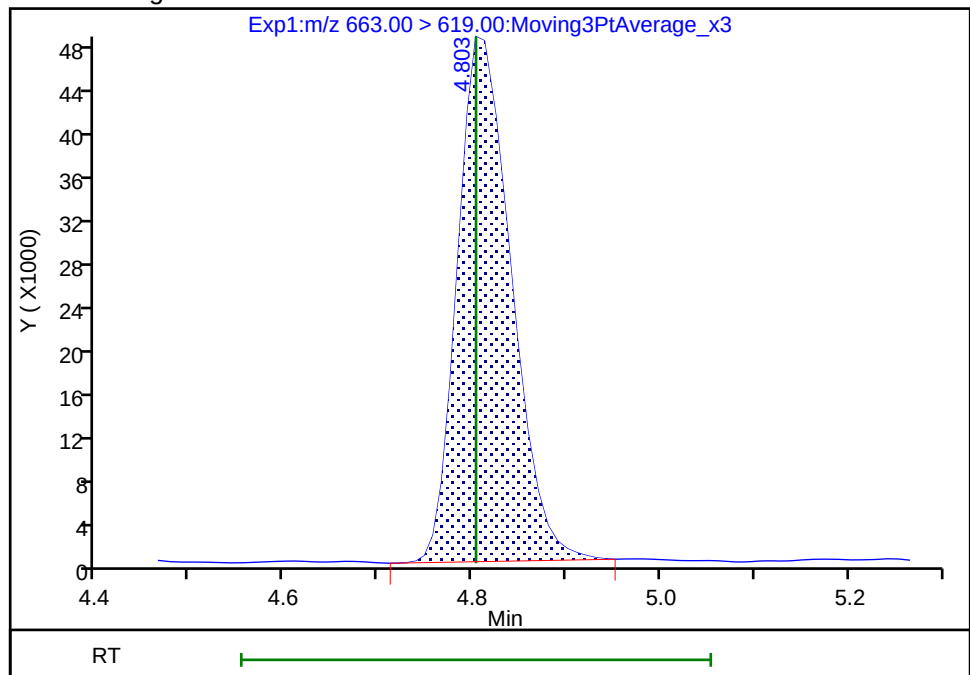
RT: 4.80
Area: 191046
Amount: 0.101171
Amount Units: ng/ml

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
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Eurofins Burlington

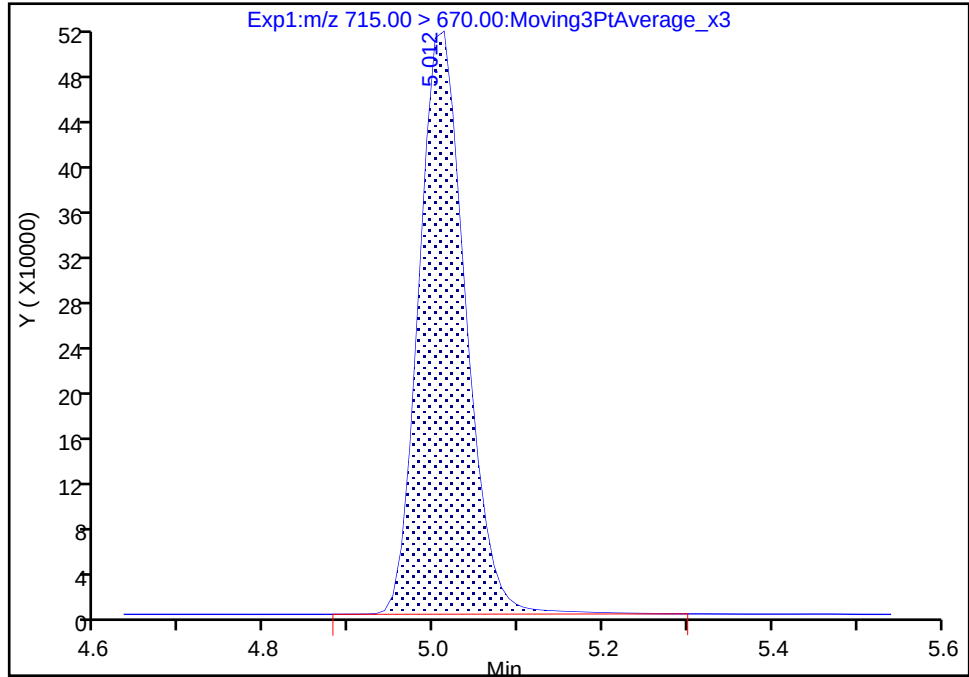
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Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

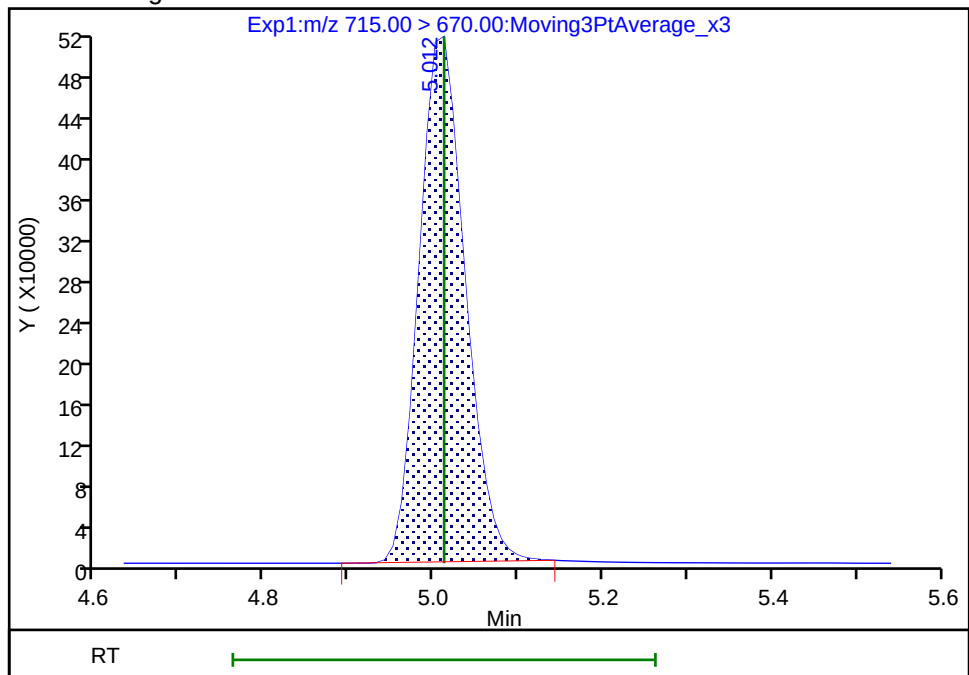
RT: 5.01
Area: 1965548
Amount: 1.242220
Amount Units: ng/ml

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
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Eurofins Burlington

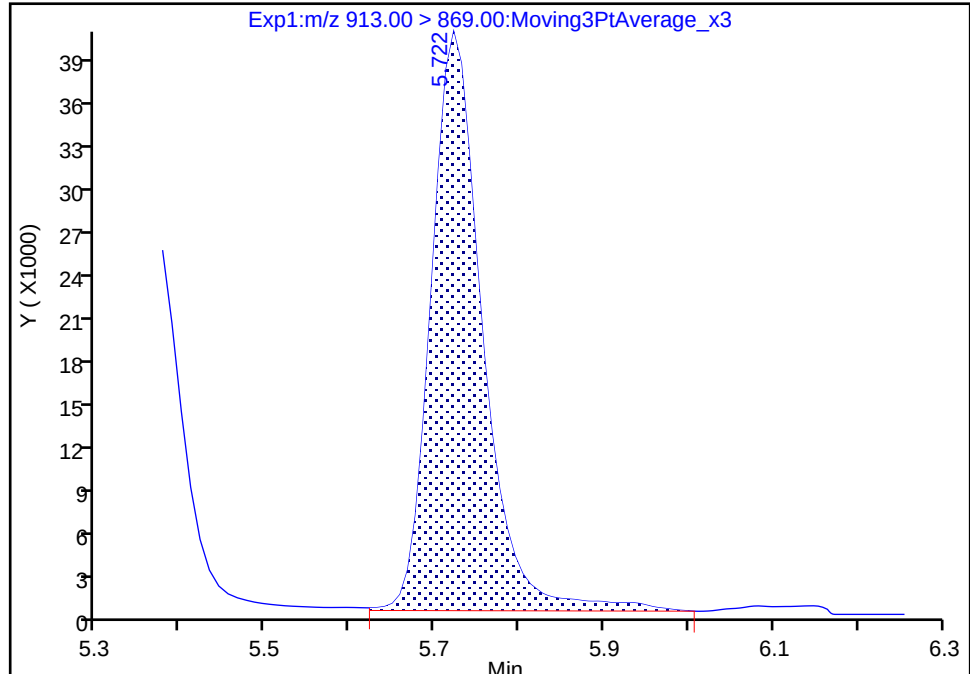
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Injection Date: 18-Nov-2022 14:38:04 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

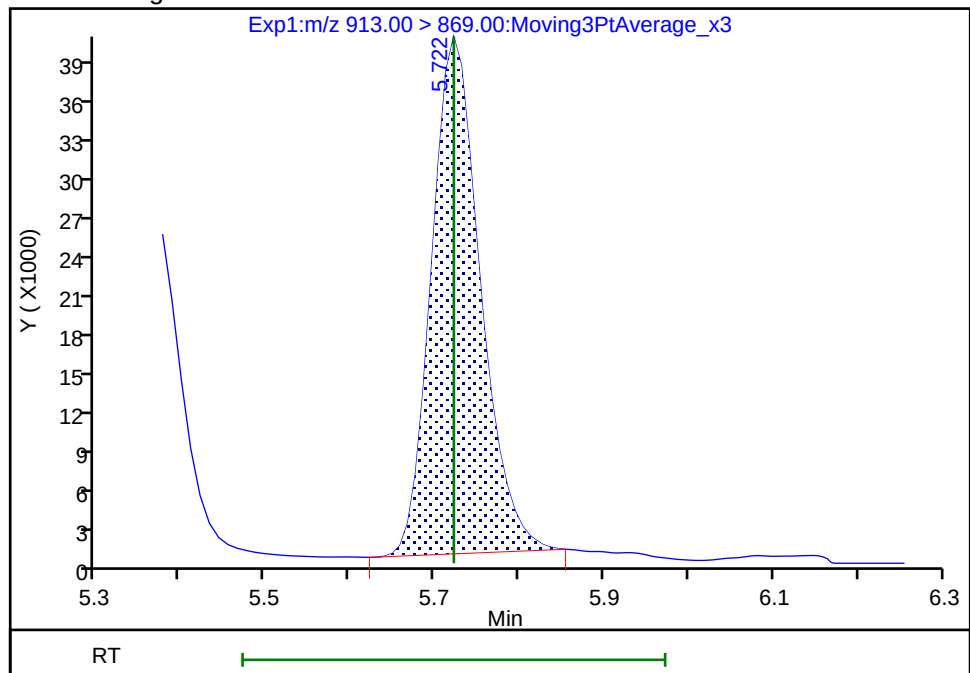
RT: 5.72
Area: 170572
Amount: 0.102523
Amount Units: ng/ml

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
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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

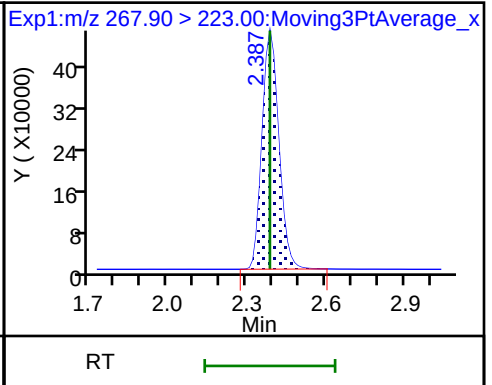
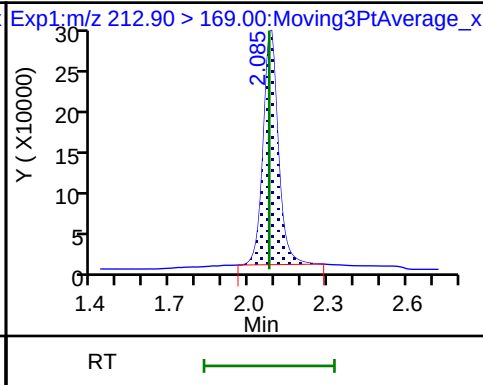
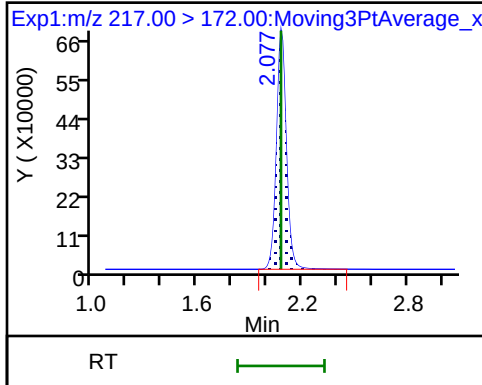
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

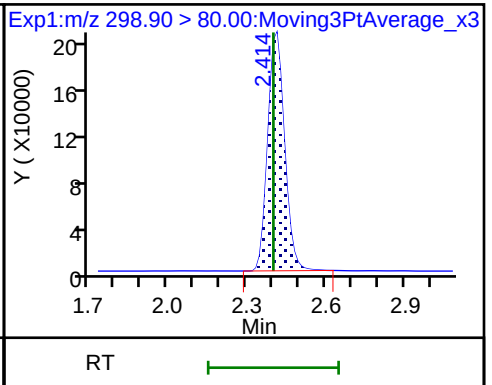
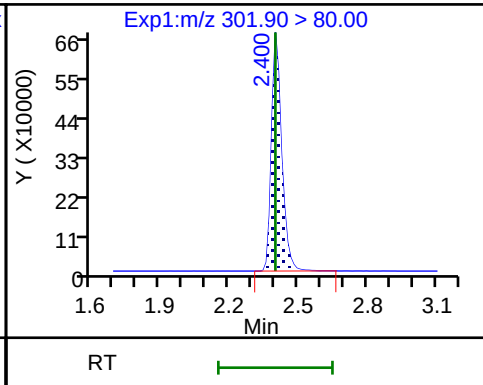
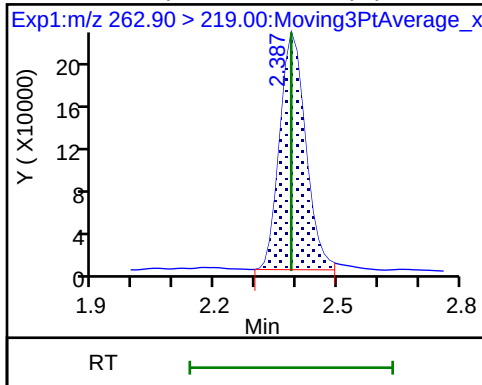
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

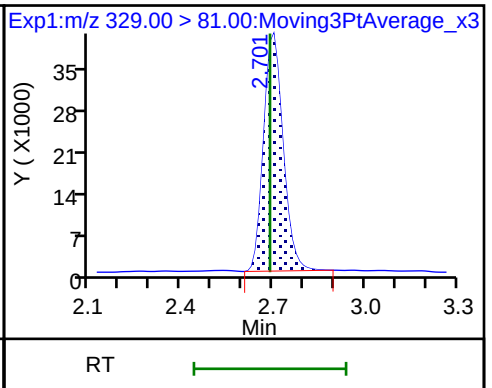
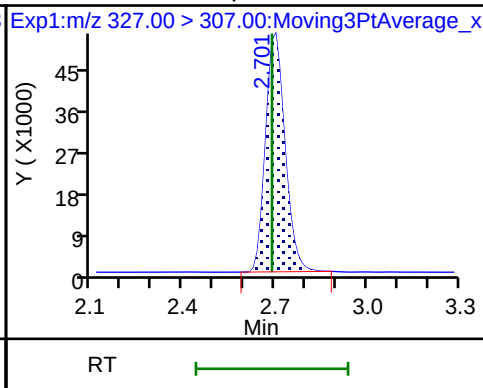
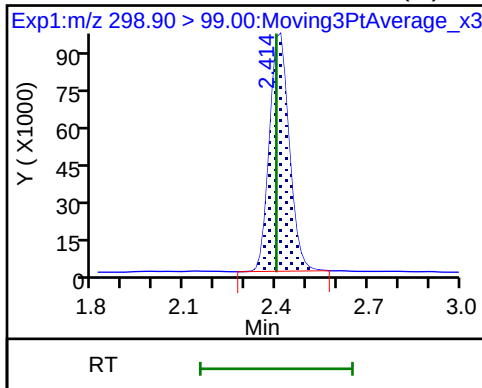
D 47 13C3 PFBS

5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid (M)

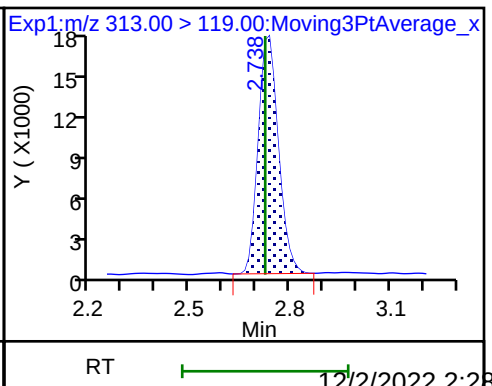
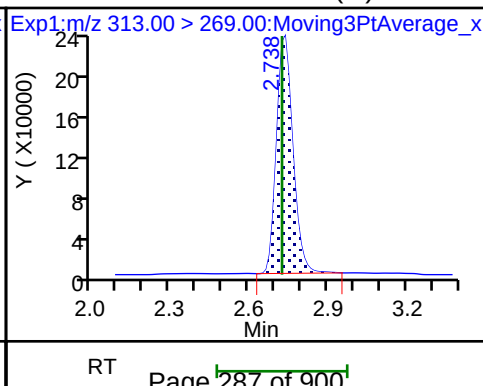
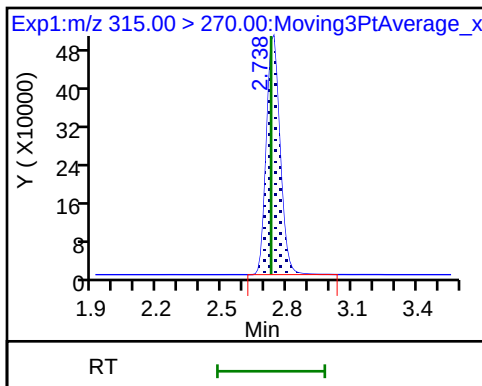
61 1H,1H,2H,2H-perfluorohexanesulfo D 60 M2-4:2 FTS



D 7 13C2 PFHxA

6 Perfluorohexanoic acid (M)

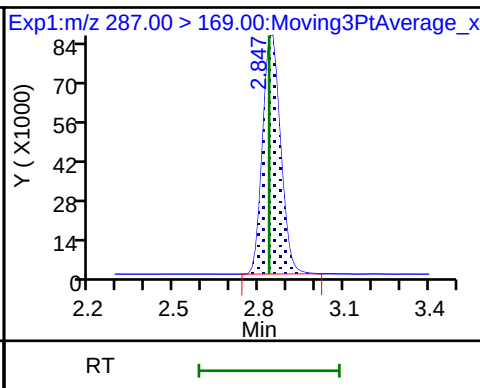
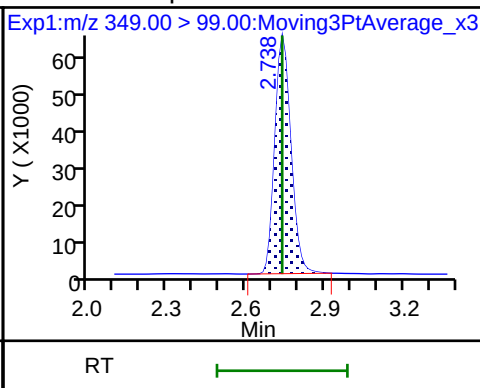
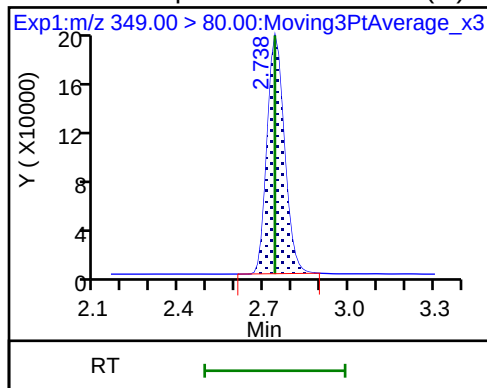
6 Perfluorohexanoic acid



70 Perfluoropentanesulfonic acid (M)

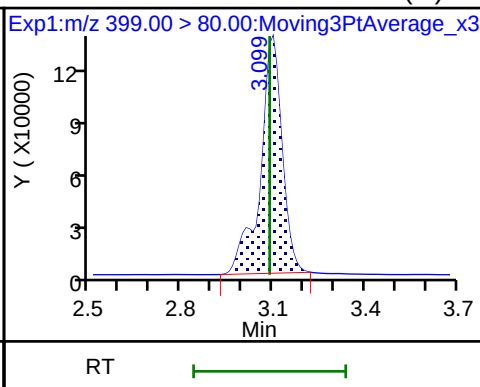
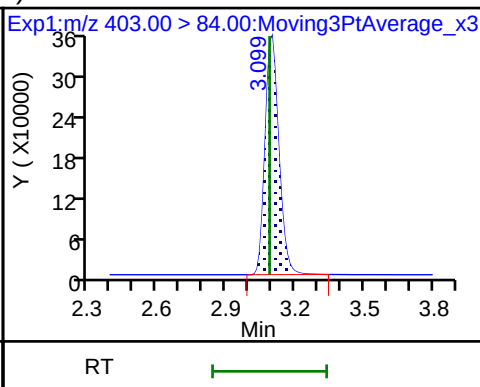
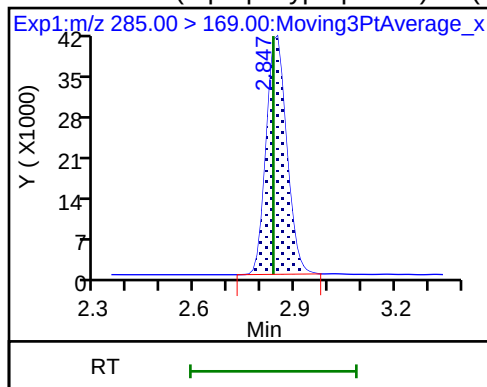
70 Perfluoropentanesulfonic acid

D 64 13C3 HFPO-DA



67 Perfluoro(2-propoxypropanoic) ac (M) 11 18O2 PFHxS

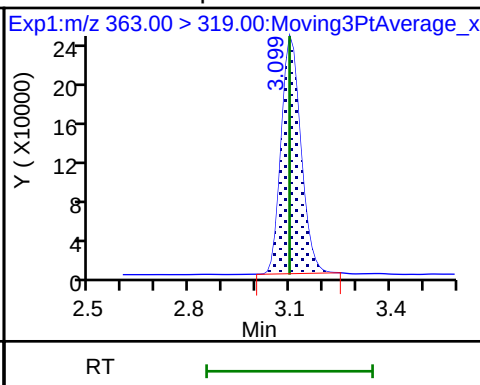
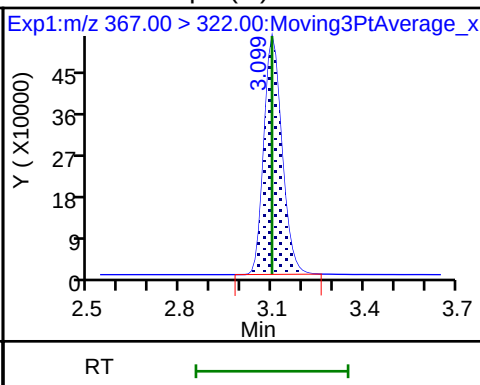
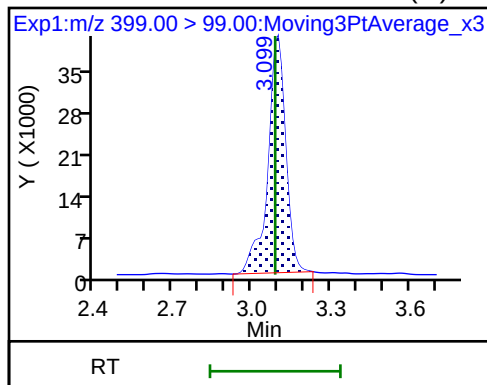
8 Perfluorohexanesulfonic acid (M)



8 Perfluorohexanesulfonic acid (M)

D 9 13C4 PFHpA (M)

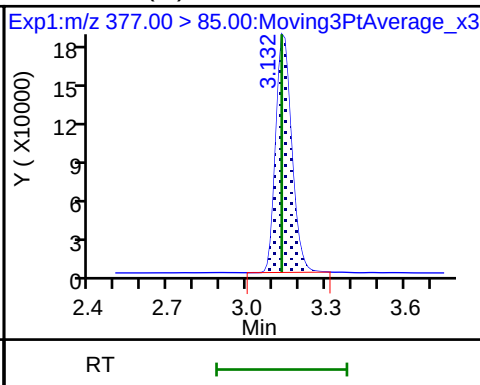
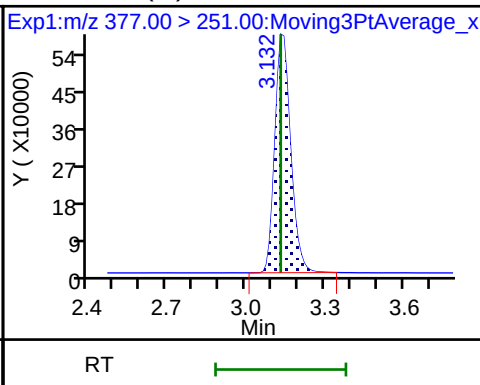
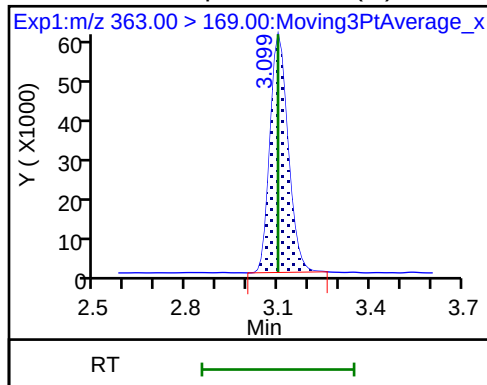
10 Perfluoroheptanoic acid



10 Perfluoroheptanoic acid (M)

77 DONA (M)

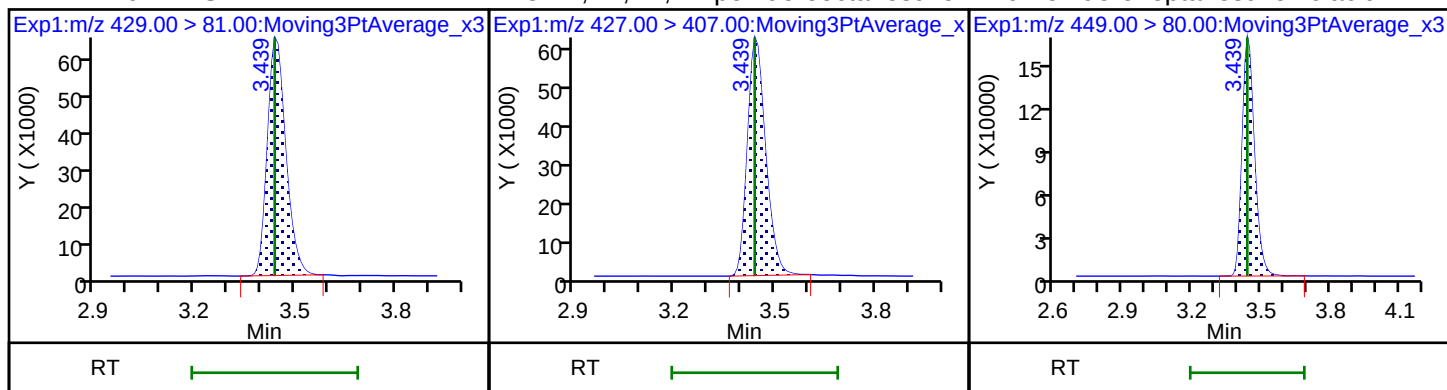
77 DONA (M)



D 12 M2-6:2 FTS

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

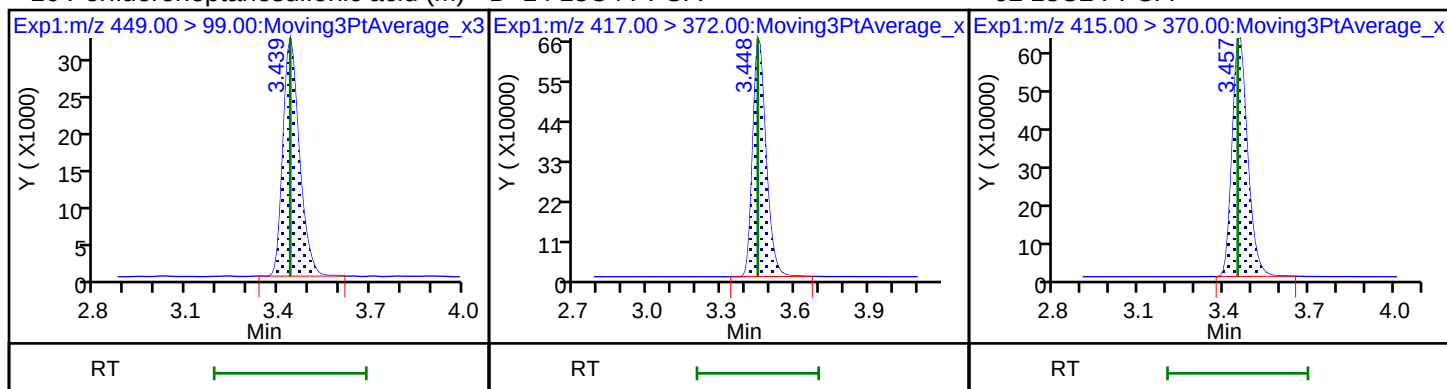
16 Perfluoroheptanesulfonic acid



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

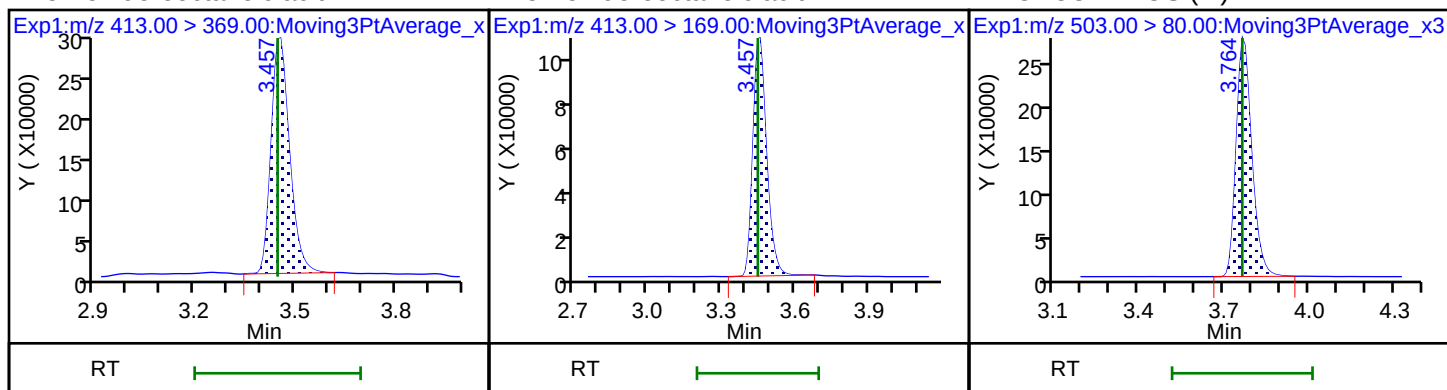
* 62 13C2 PFOA



15 Perfluorooctanoic acid

15 Perfluorooctanoic acid

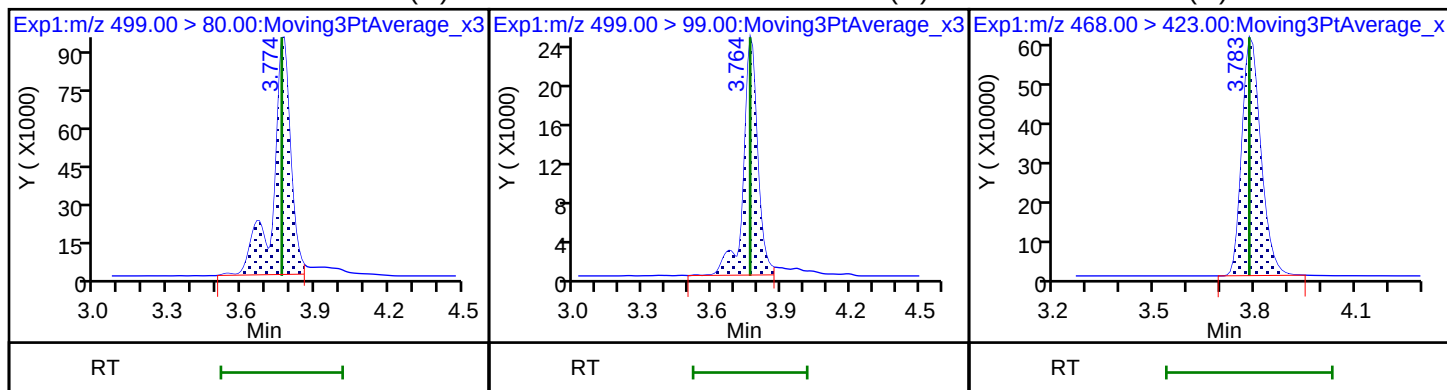
D 18 13C4 PFOS (M)

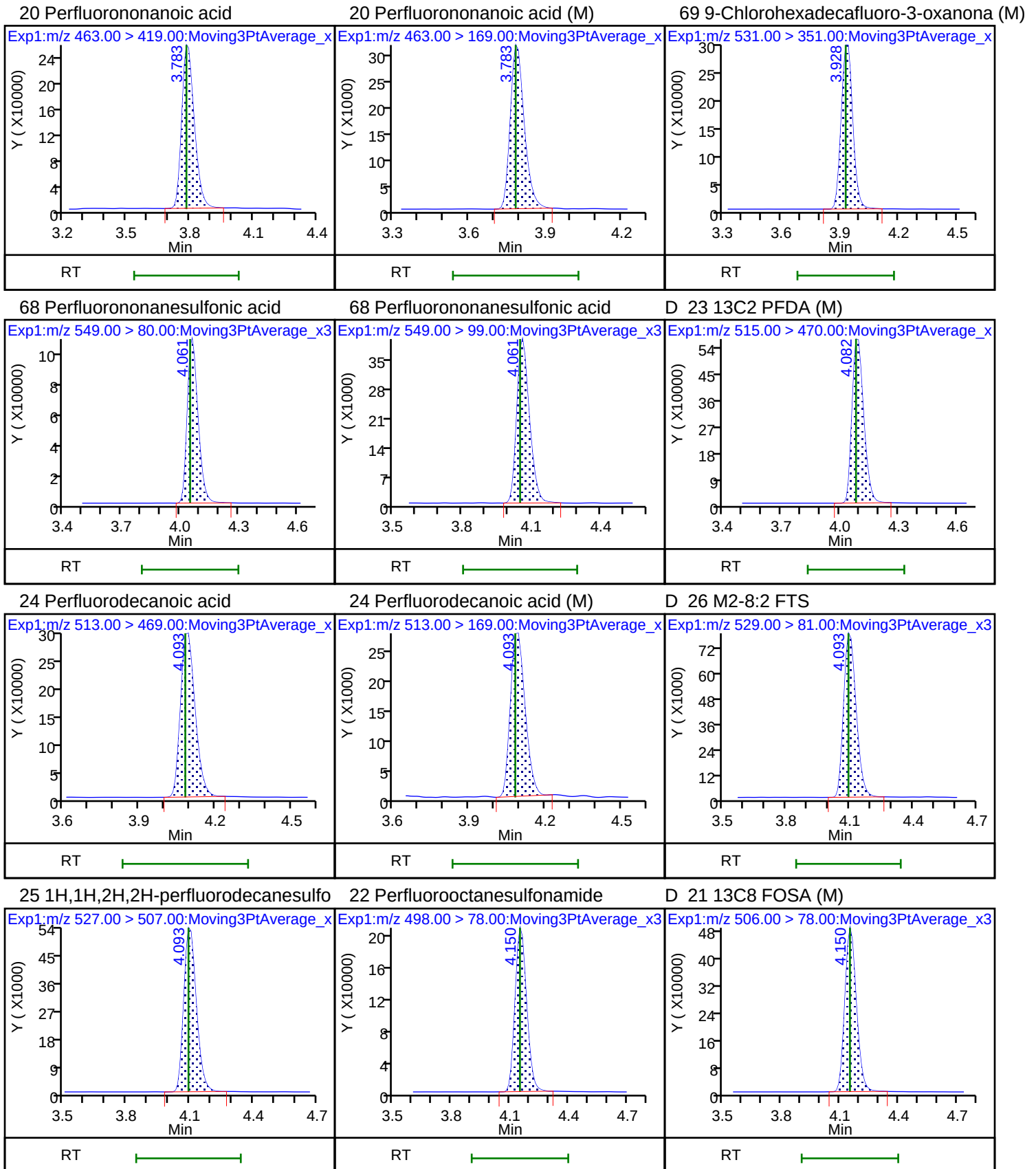


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

D 19 13C5 PFNA (M)

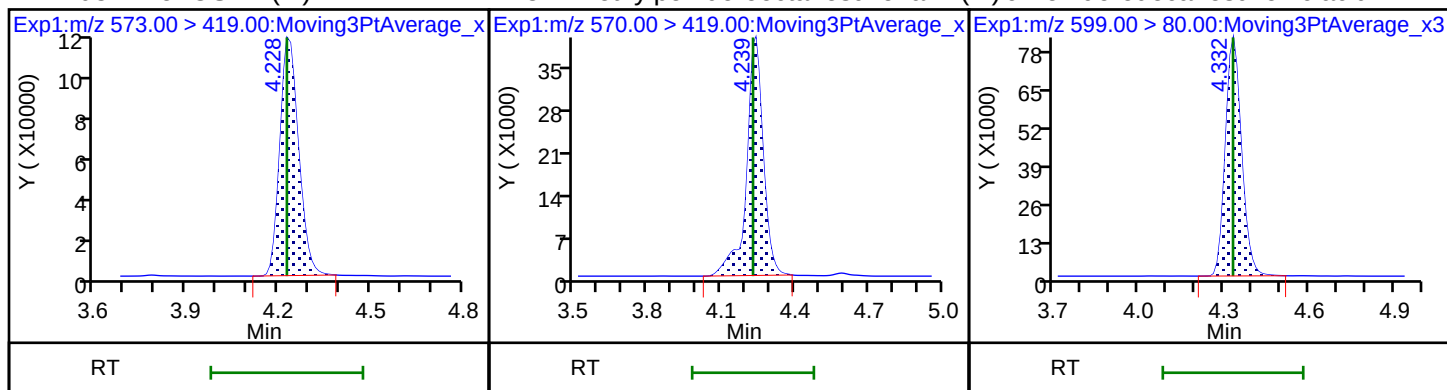




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

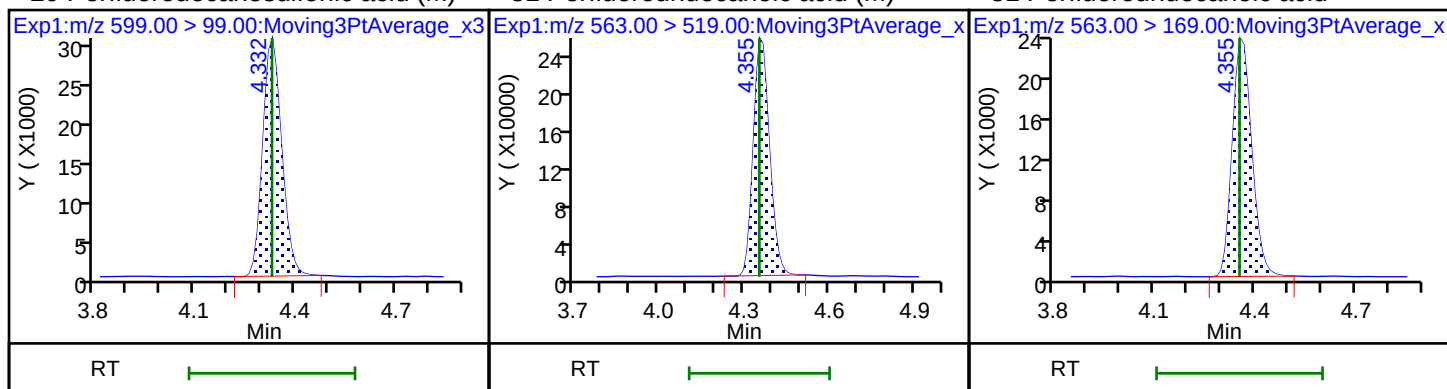
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid (M)

31 Perfluoroundecanoic acid (M)

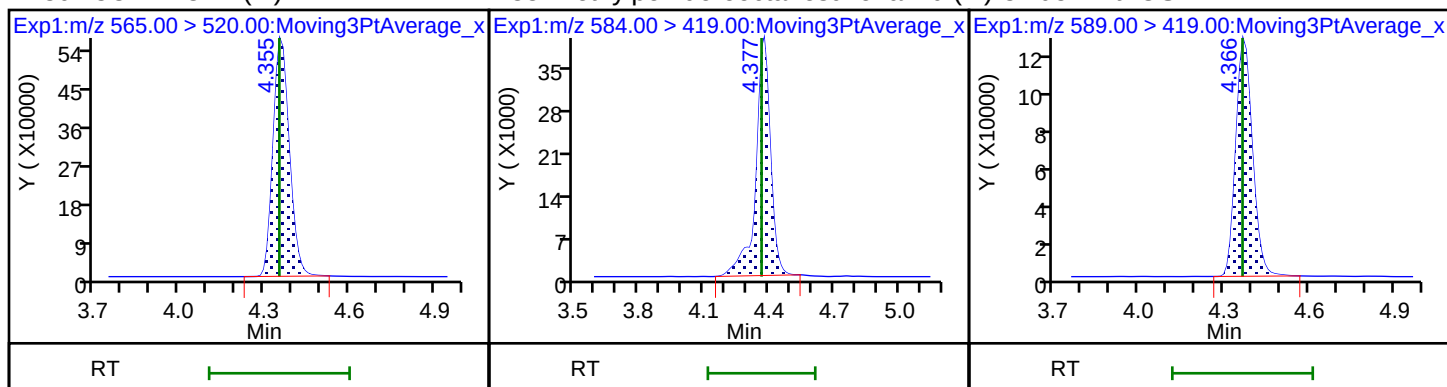
31 Perfluoroundecanoic acid



D 30 13C2 PFUnA (M)

33 N-ethylperfluorooctanesulfonamid (M)

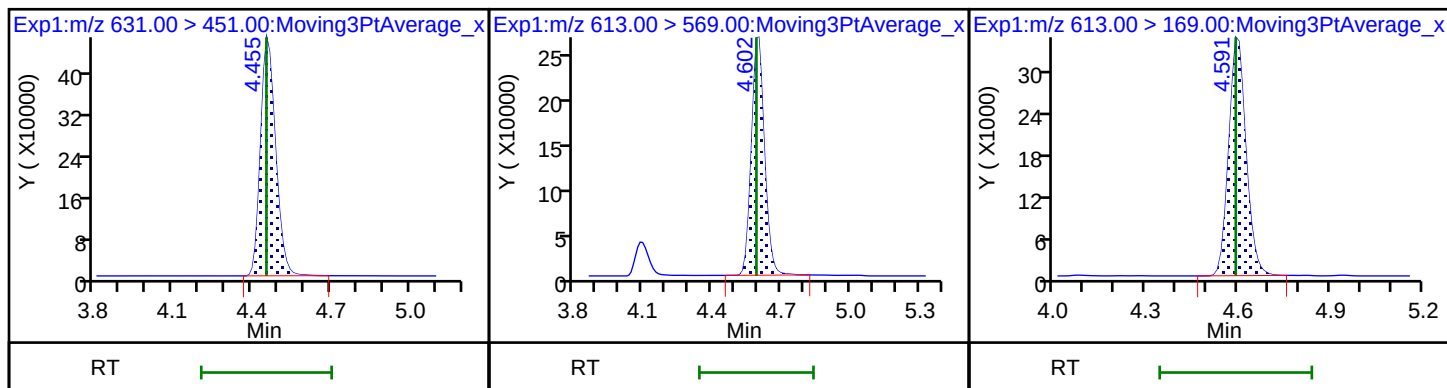
32 d5-NEtFOSAA



66 11-Chloroeicosafluoro-3-oxaundec

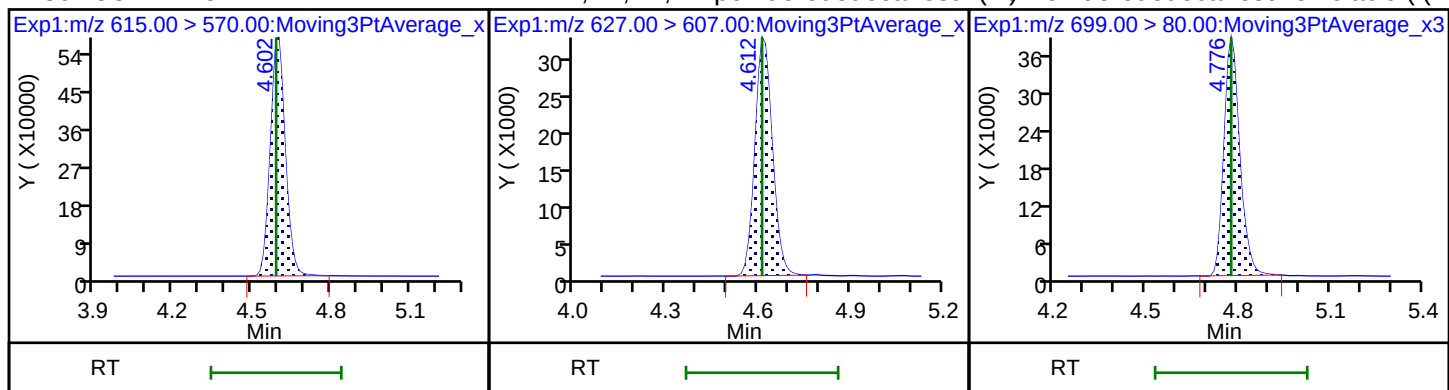
37 Perfluorododecanoic acid

37 Perfluorododecanoic acid



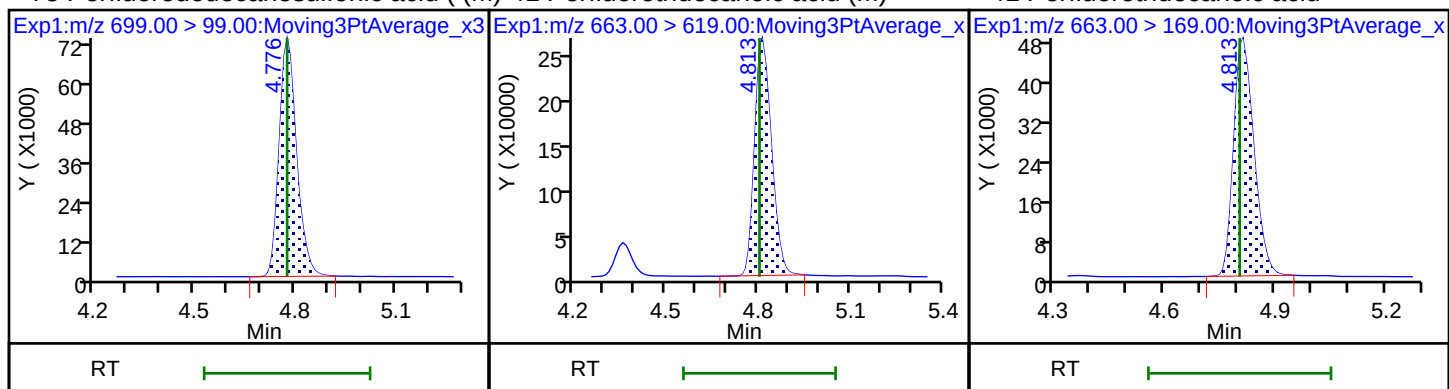
D 36 13C2 PFDaA

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



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

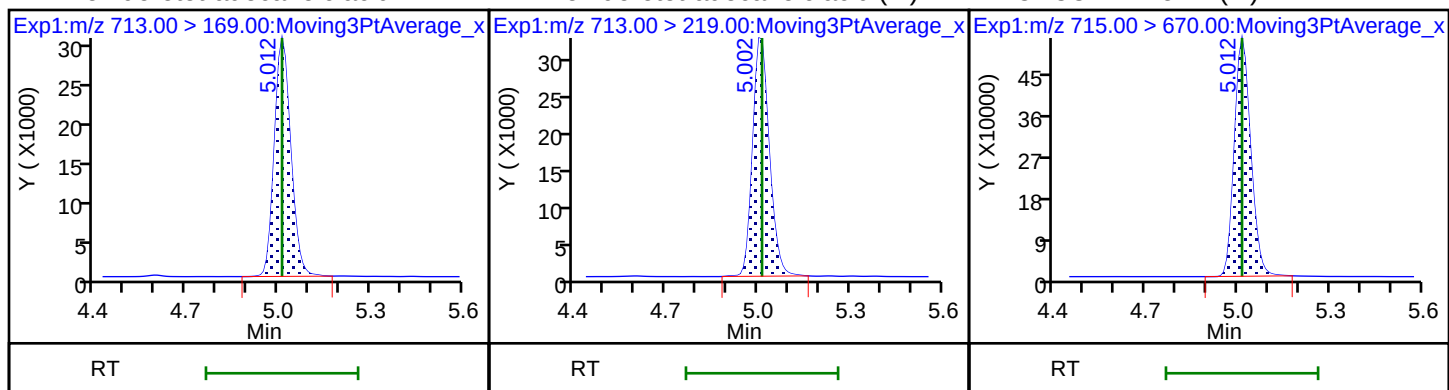
41 Perfluorotridecanoic acid



42 Perfluorotetradecanoic acid

42 Perfluorotetradecanoic acid (M)

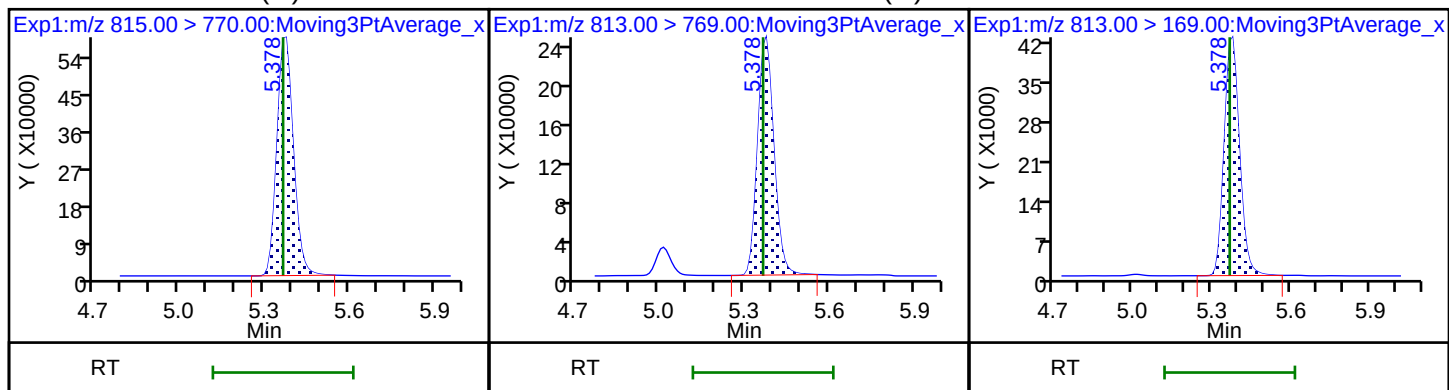
D 43 13C2 PFTeDA (M)



D 44 13C2 PFHxDA (M)

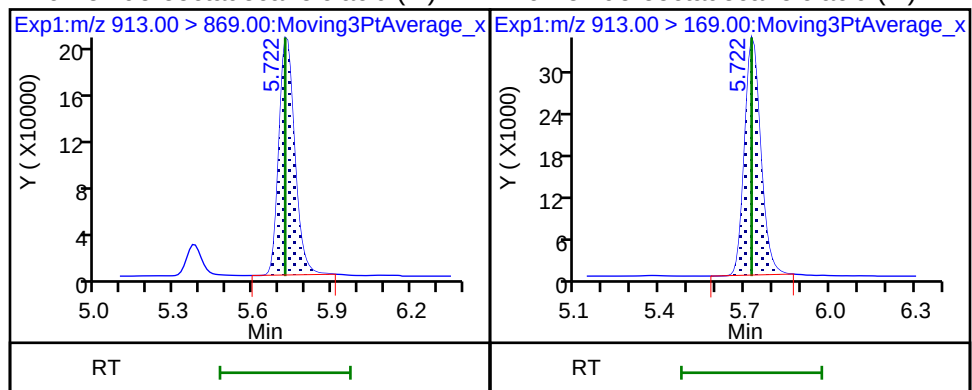
45 Perfluorohexadecanoic acid (M)

45 Perfluorohexadecanoic acid



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



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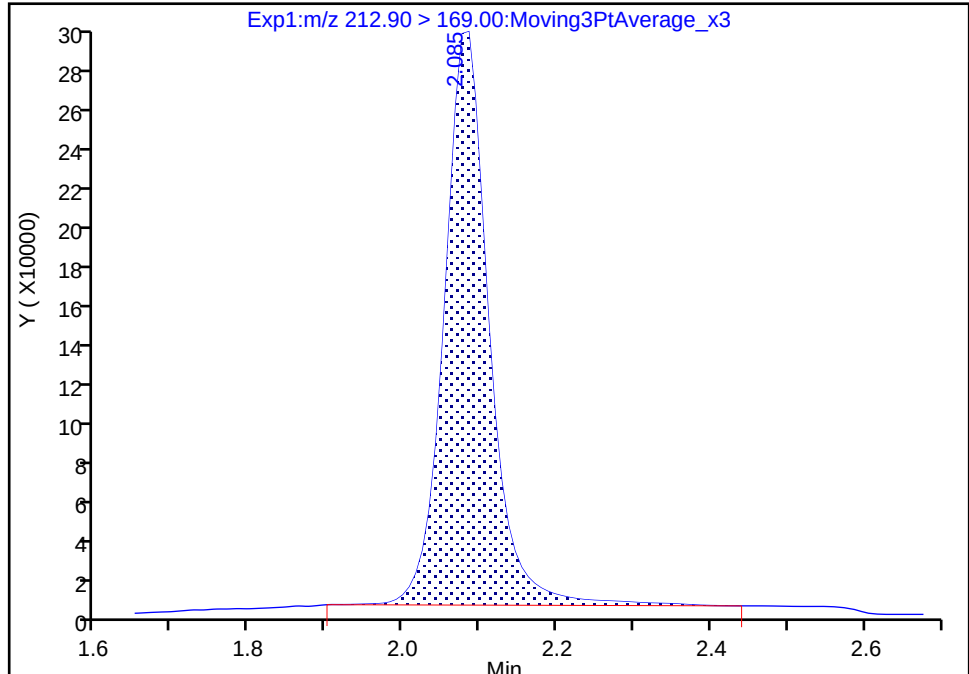
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Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

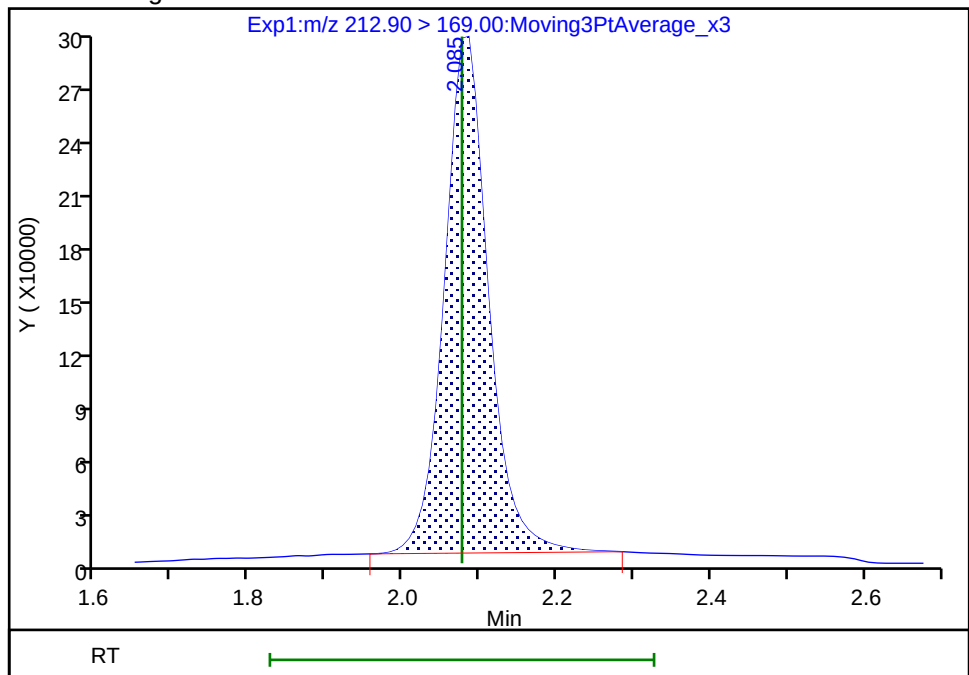
RT: 2.09
Area: 1168803
Amount: 0.489521
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 1137760
Amount: 0.522928
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 14:58:48
Audit Action: Manually Integrated

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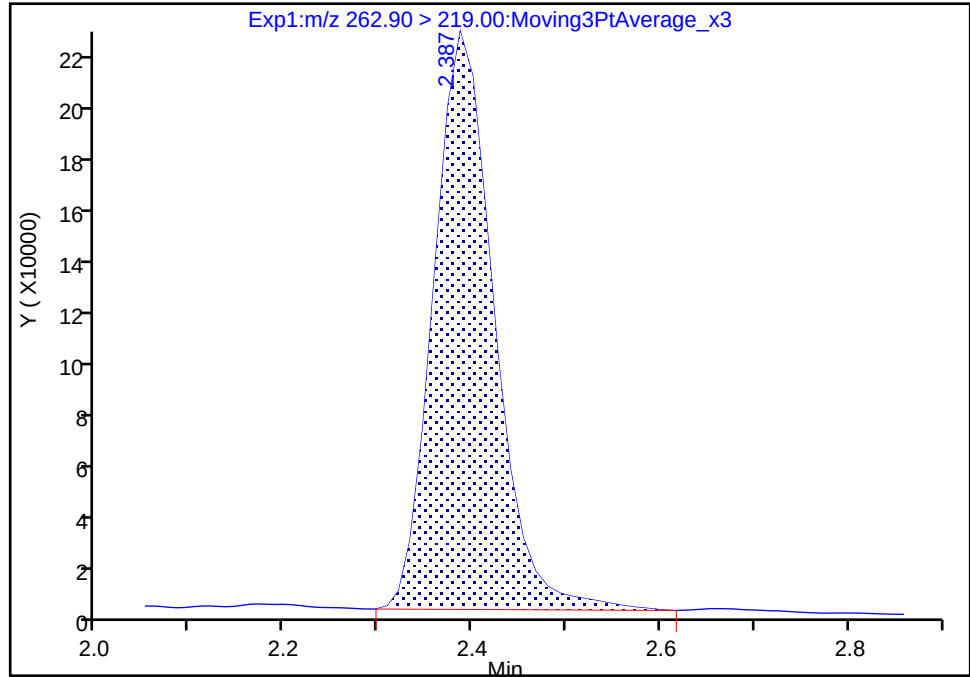
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

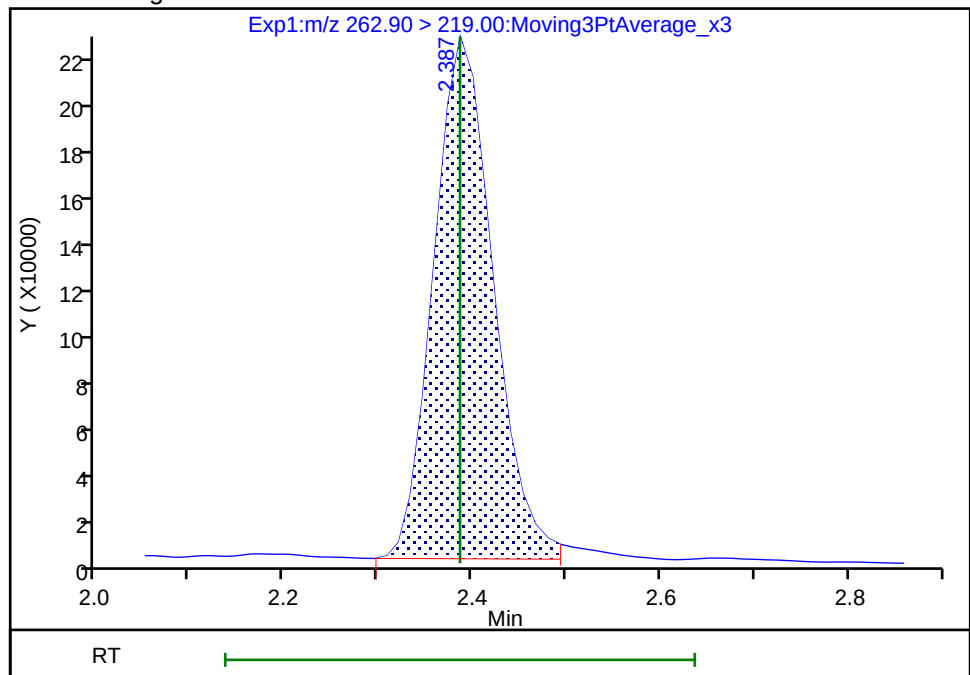
RT: 2.39
Area: 946379
Amount: 0.487855
Amount Units: ng/ml

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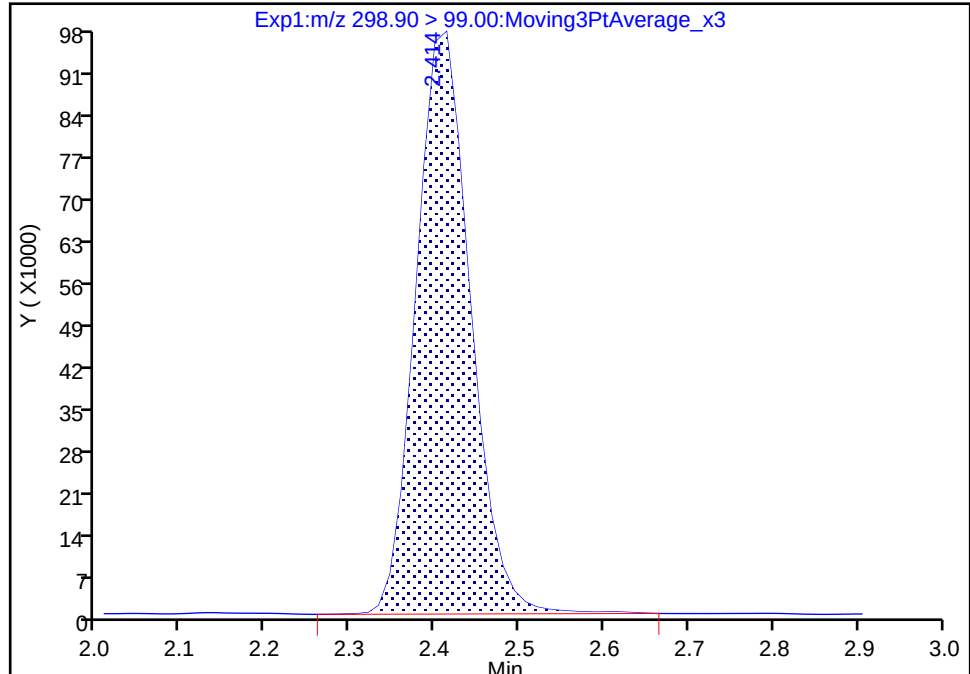
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Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

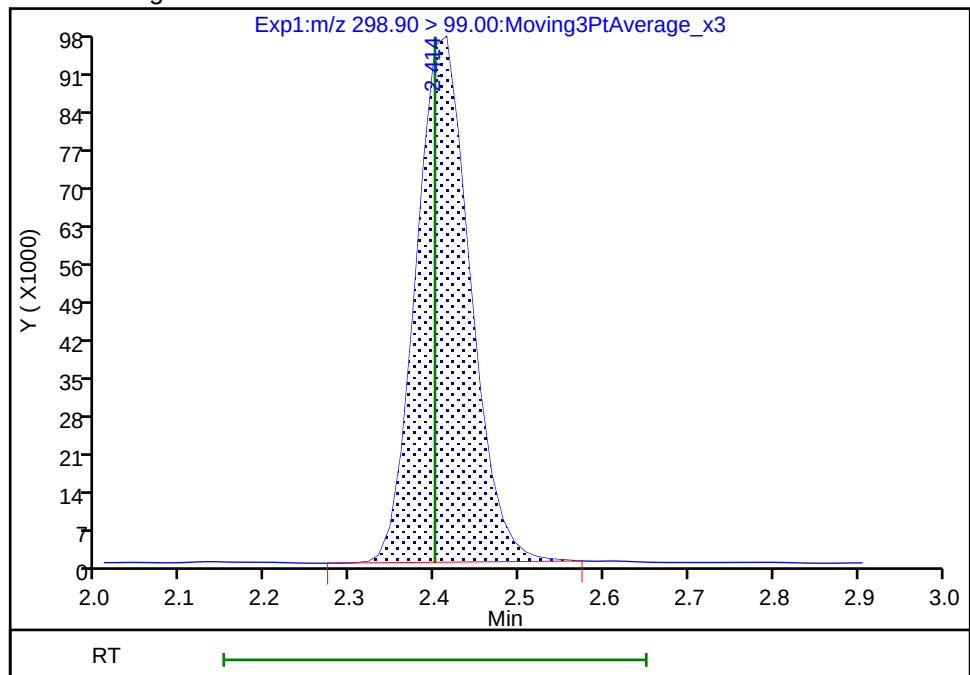
RT: 2.41
Area: 434508
Amount: 0.422187
Amount Units: ng/ml

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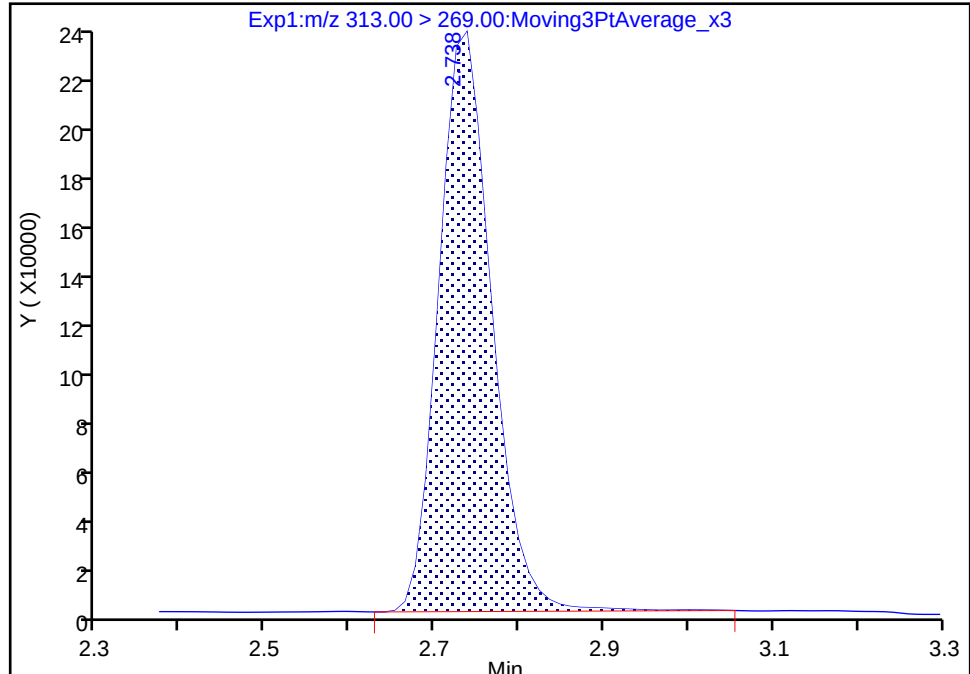
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Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

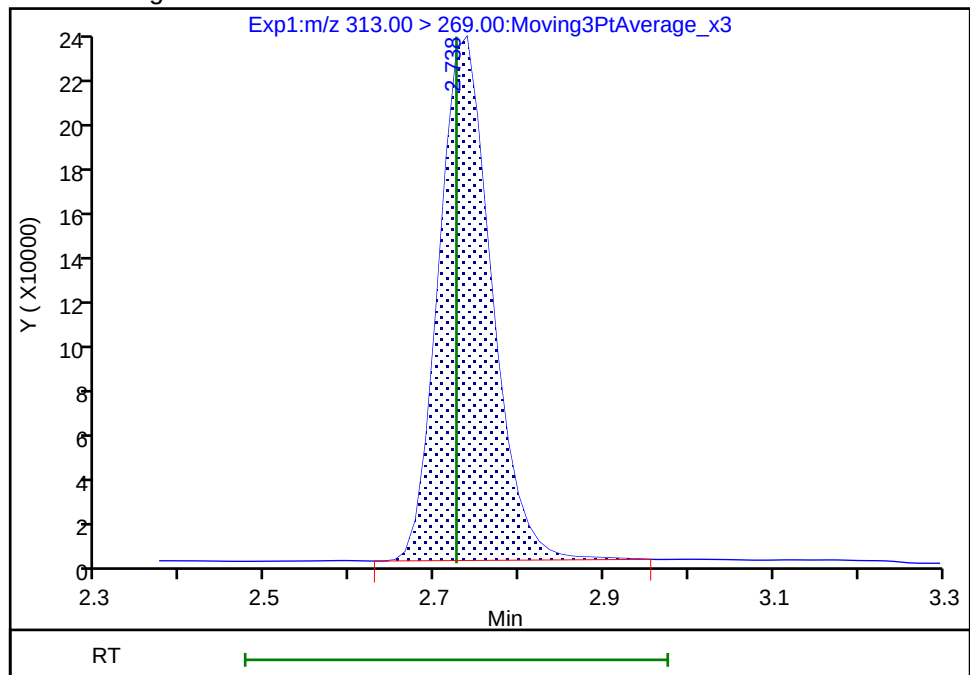
RT: 2.74
Area: 996443
Amount: 0.493667
Amount Units: ng/ml

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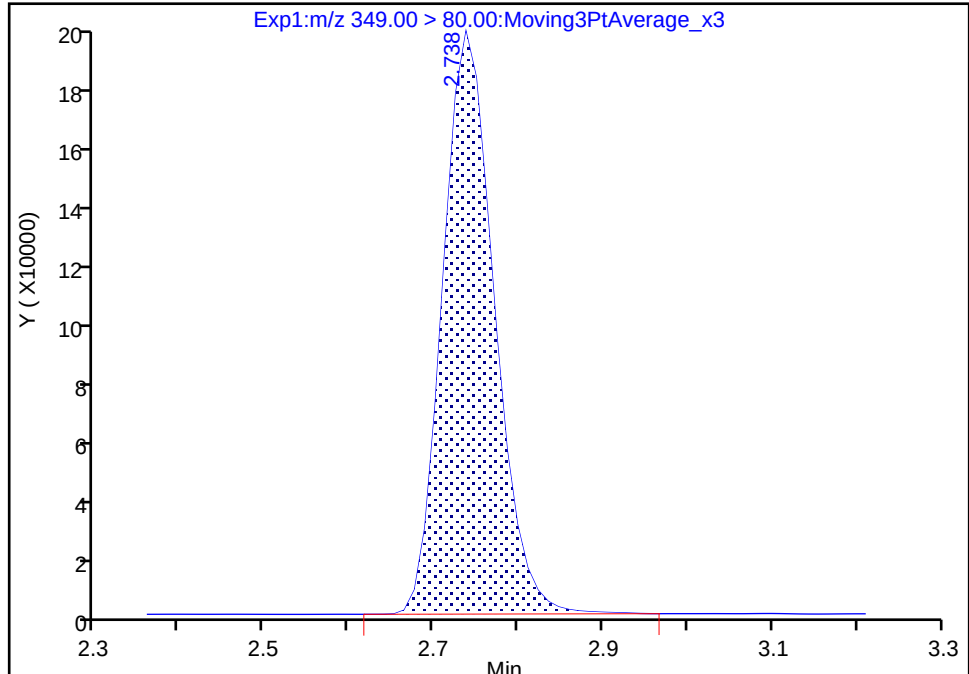
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Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

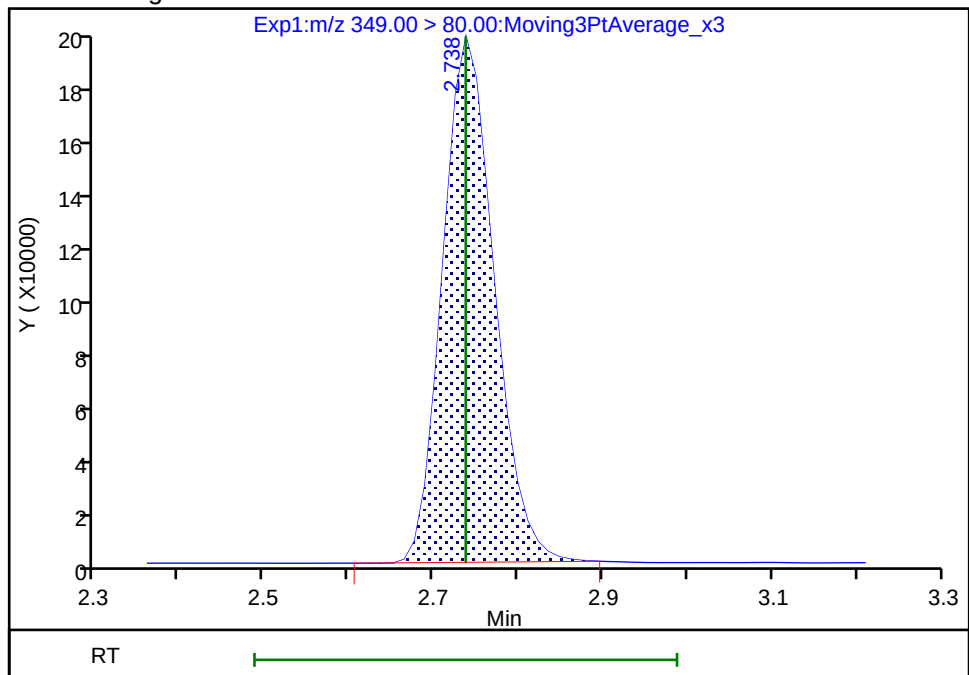
RT: 2.74
Area: 843222
Amount: 0.480975
Amount Units: ng/ml

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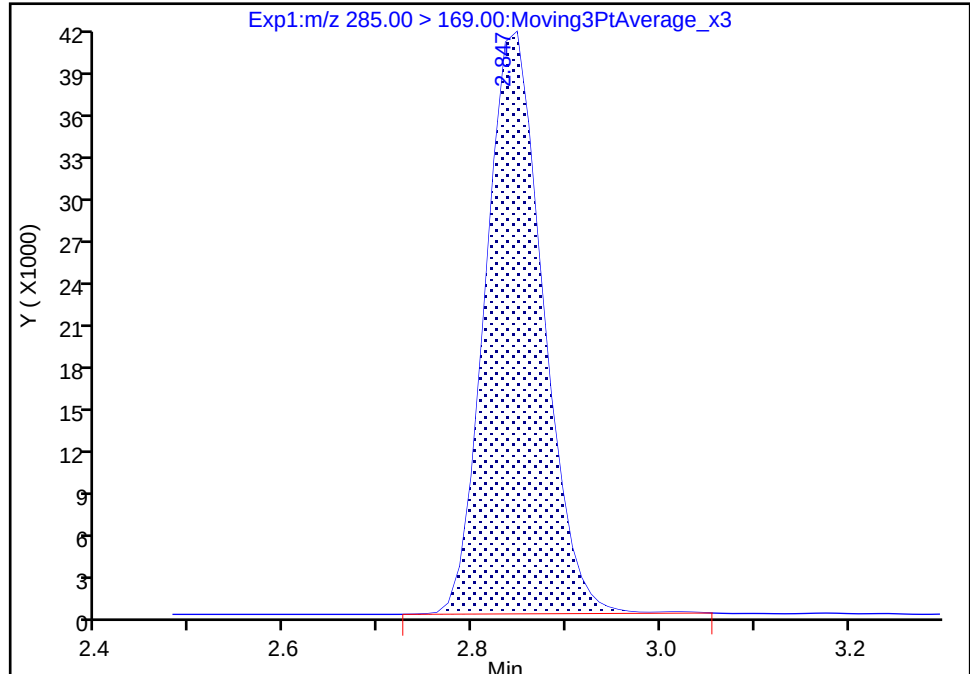
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Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

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

Signal: 1

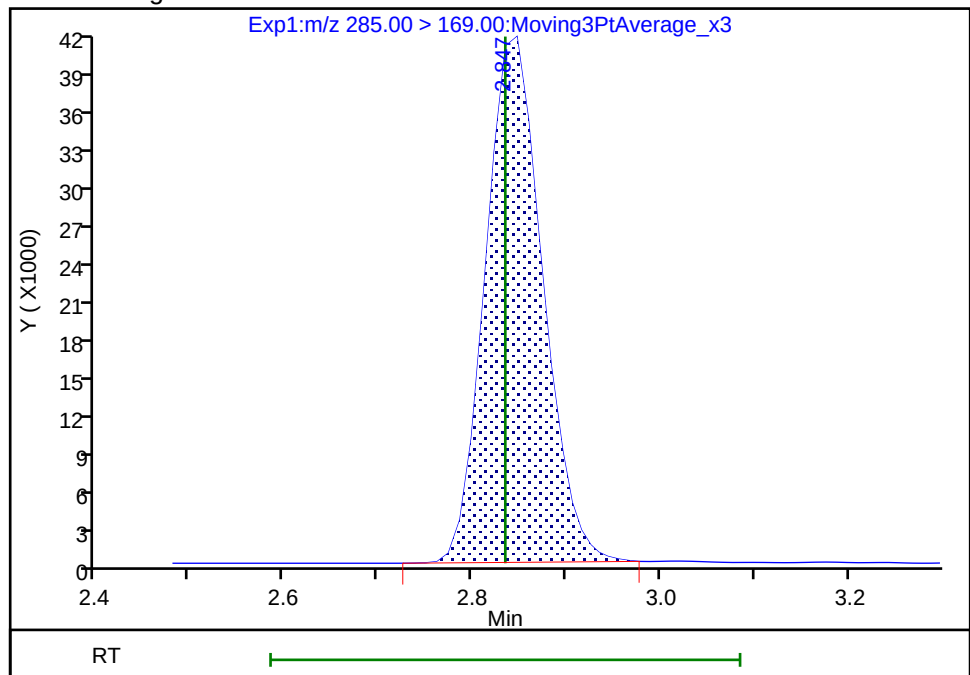
RT: 2.85
Area: 175711
Amount: 0.510805
Amount Units: ng/ml

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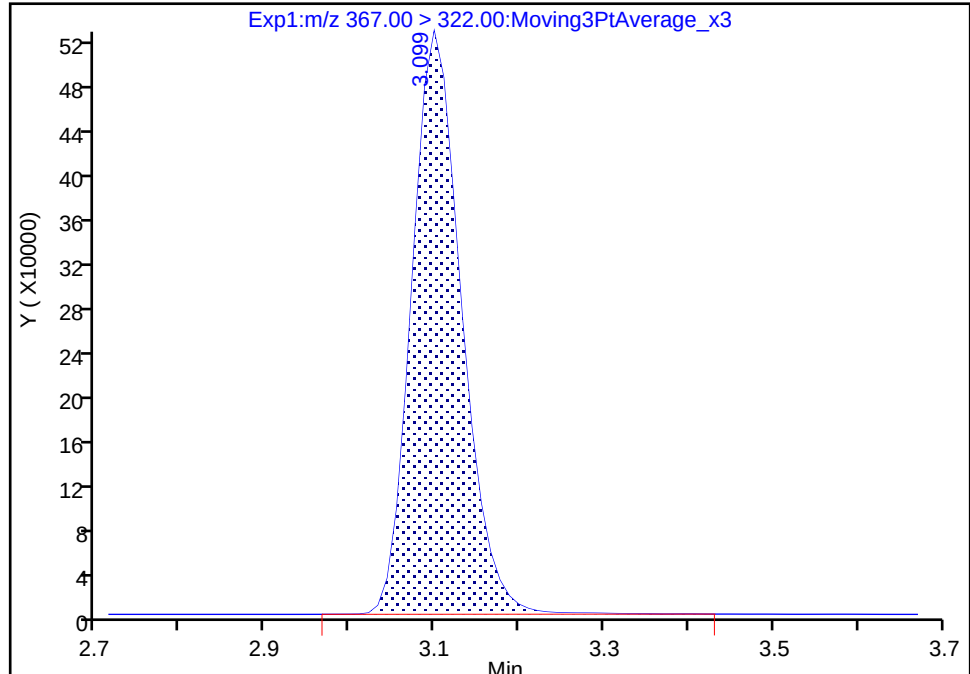
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Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

D 9 13C4 PFHpA, CAS: STL01892

Signal: 1

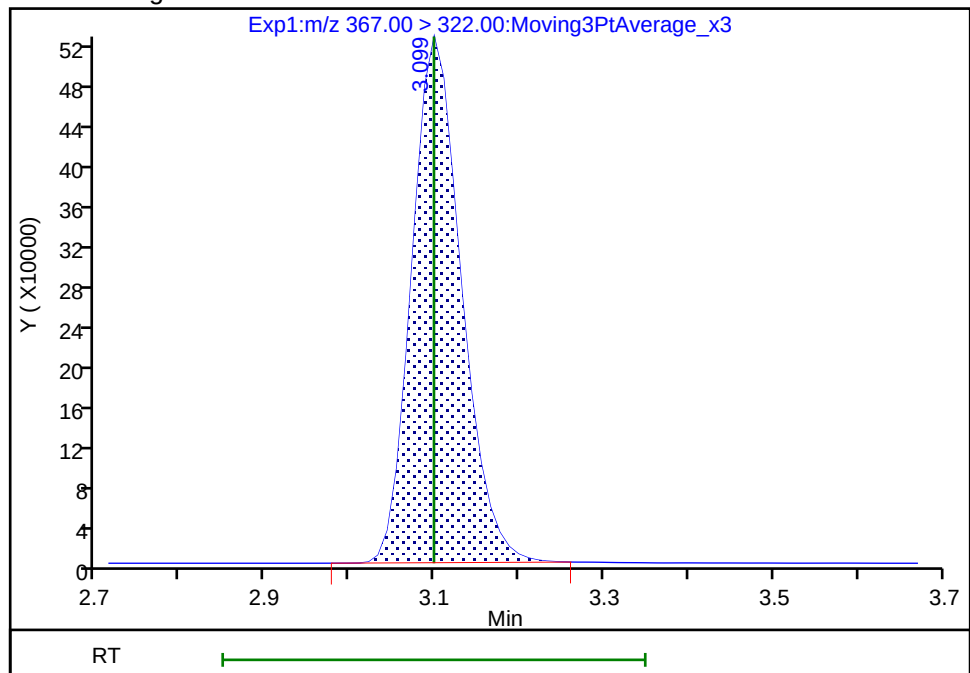
RT: 3.10
Area: 2162805
Amount: 1.248507
Amount Units: ng/ml

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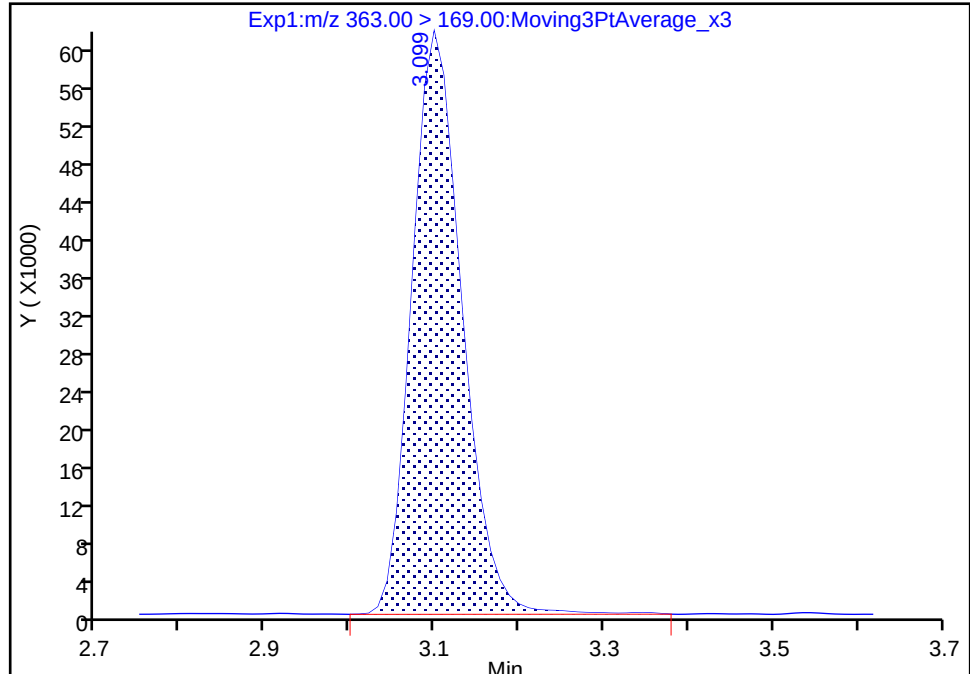
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Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

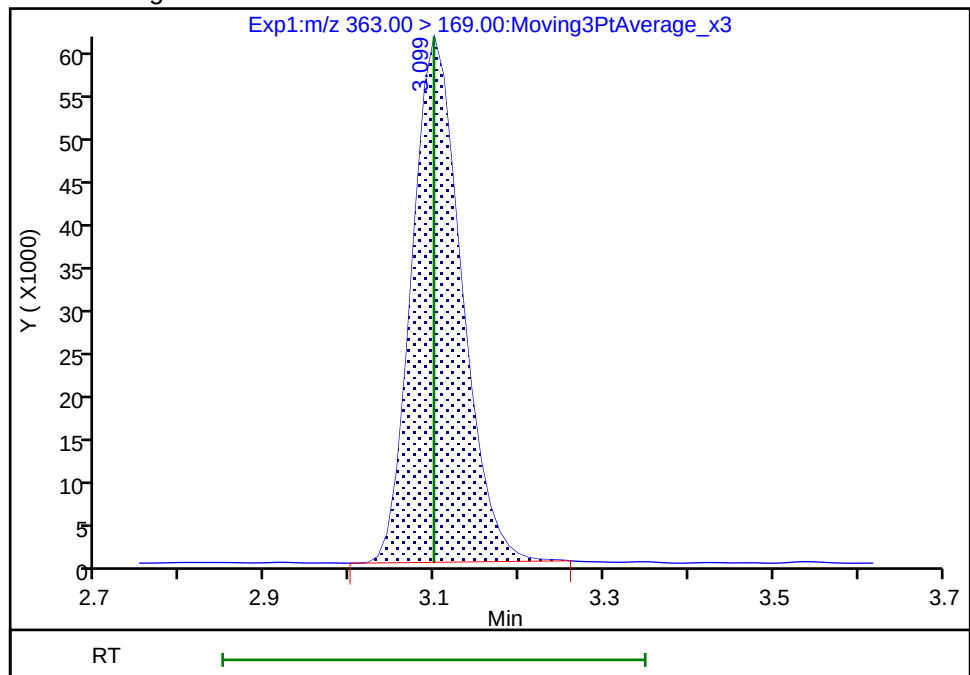
RT: 3.10
Area: 254758
Amount: 0.495820
Amount Units: ng/ml

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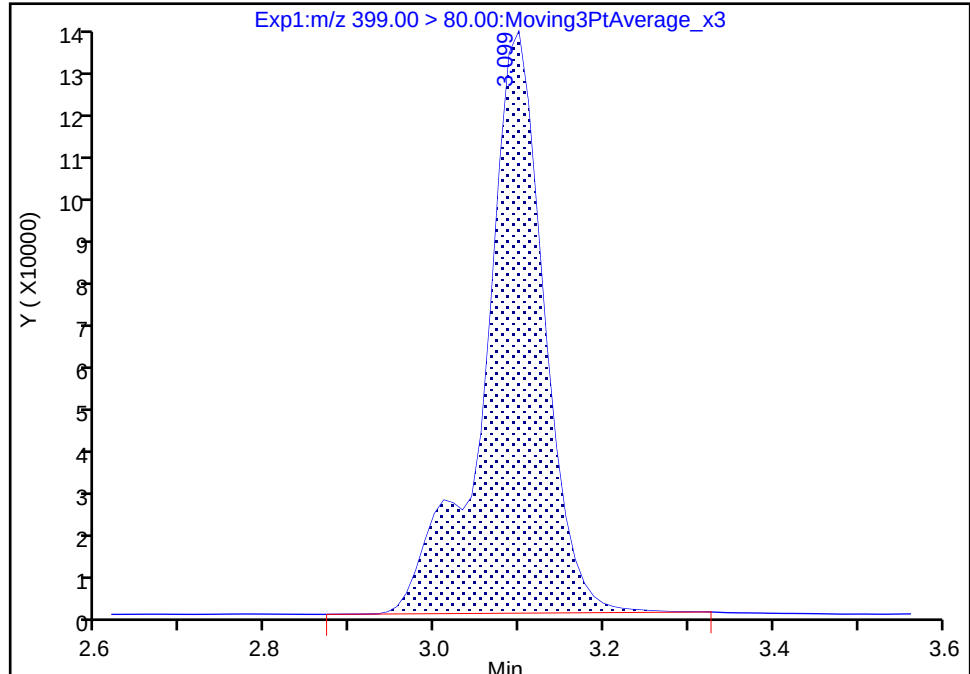
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

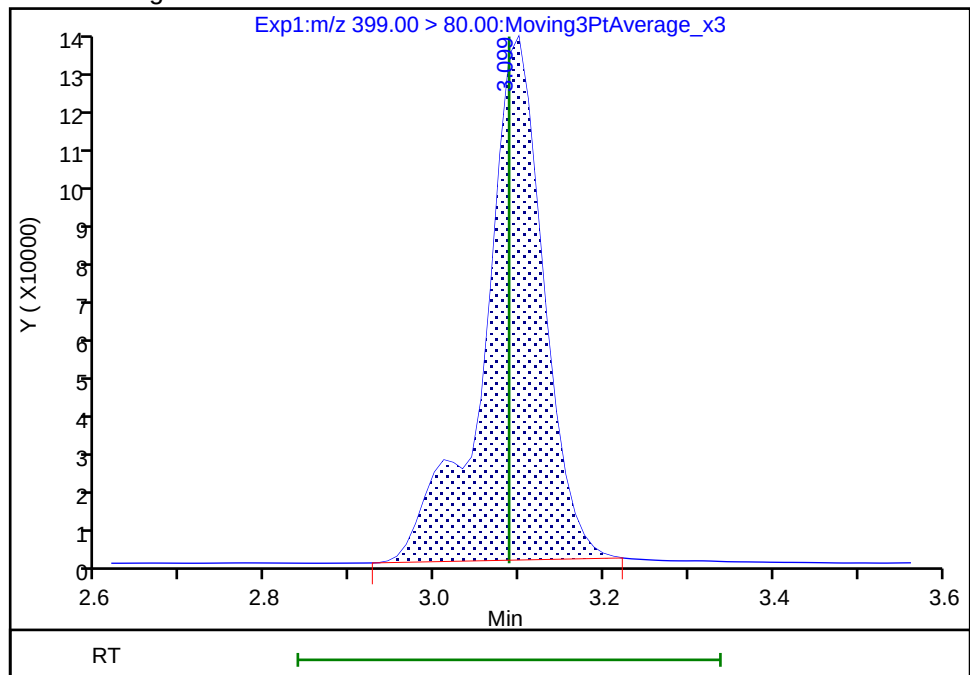
RT: 3.10
Area: 690915
Amount: 0.467335
Amount Units: ng/ml

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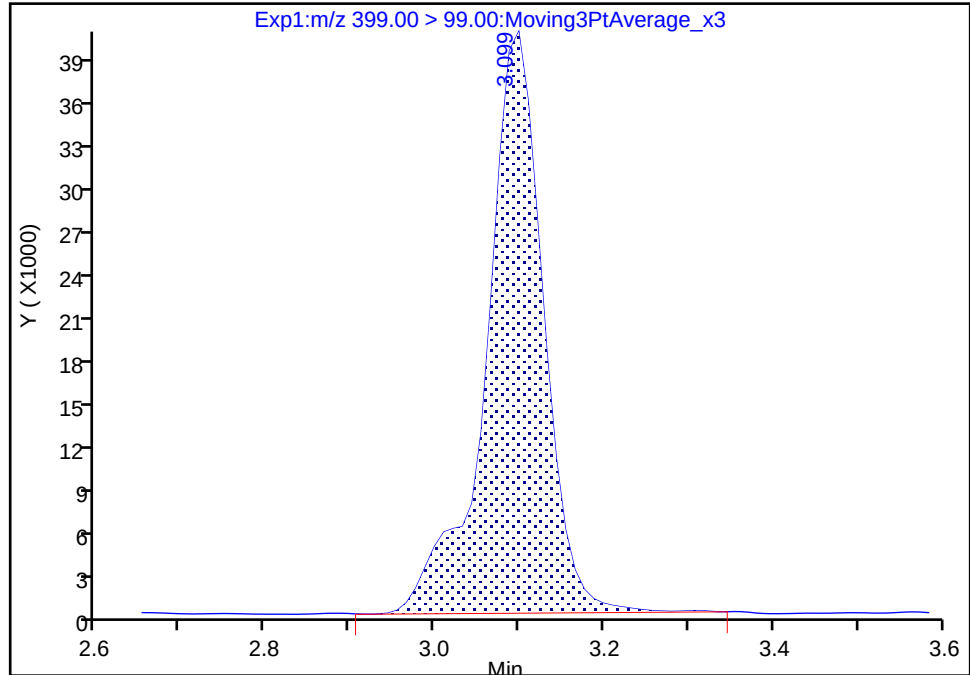
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Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

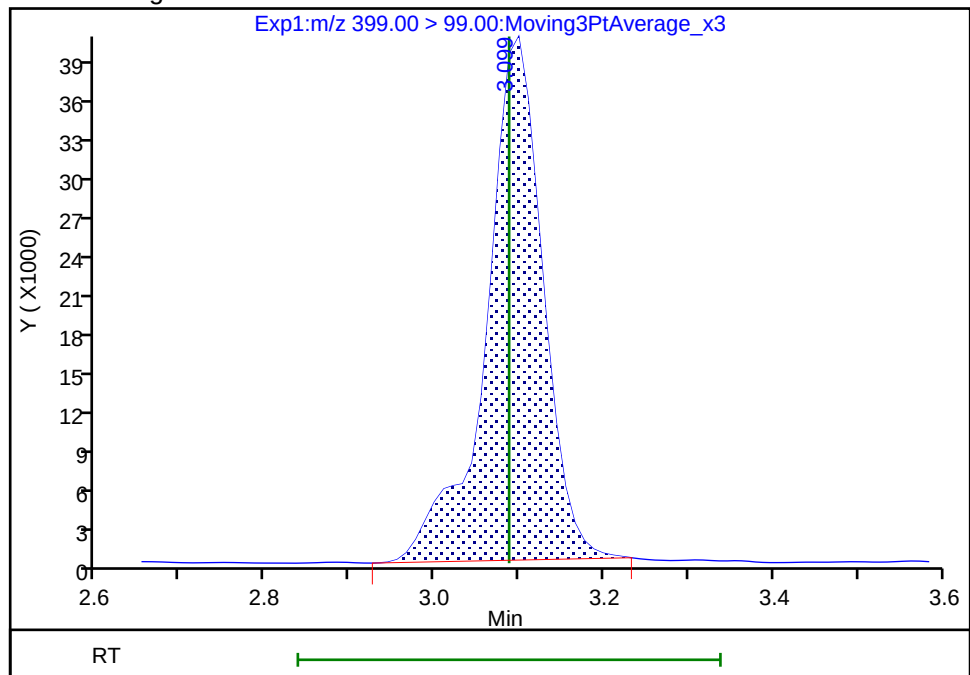
RT: 3.10
Area: 188640
Amount: 0.467335
Amount Units: ng/ml

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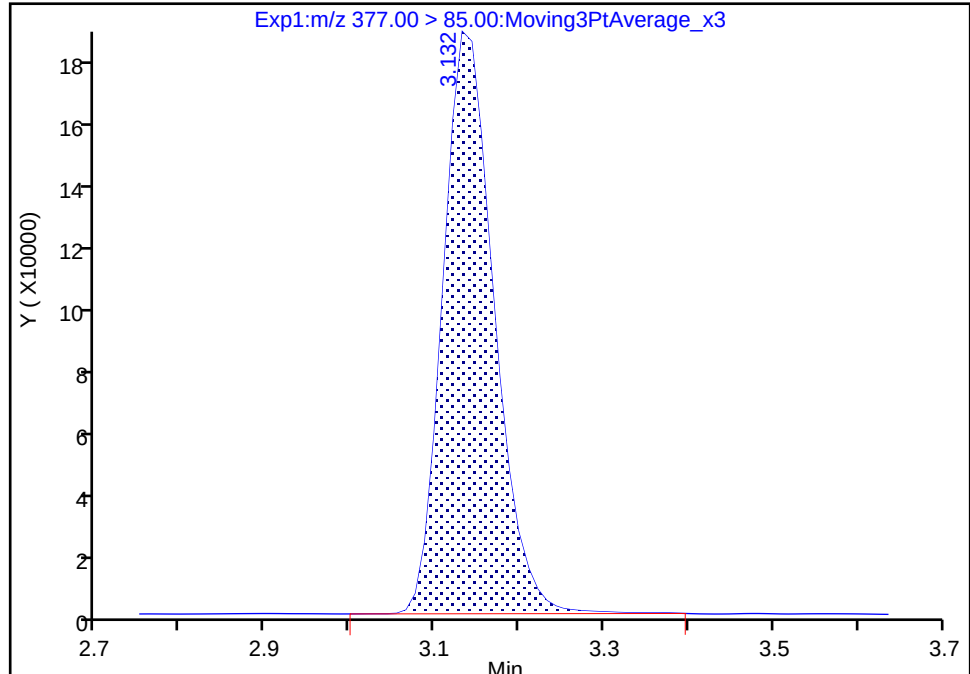
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

77 DONA, CAS: 919005-14-4

Signal: 2

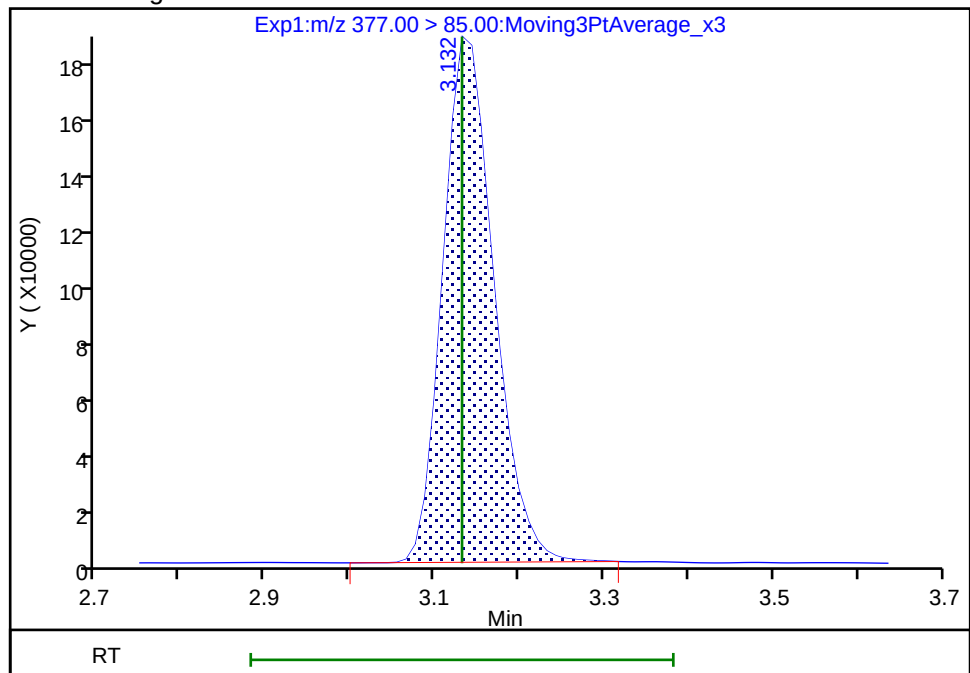
RT: 3.13
Area: 764336
Amount: 0.467942
Amount Units: ng/ml

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

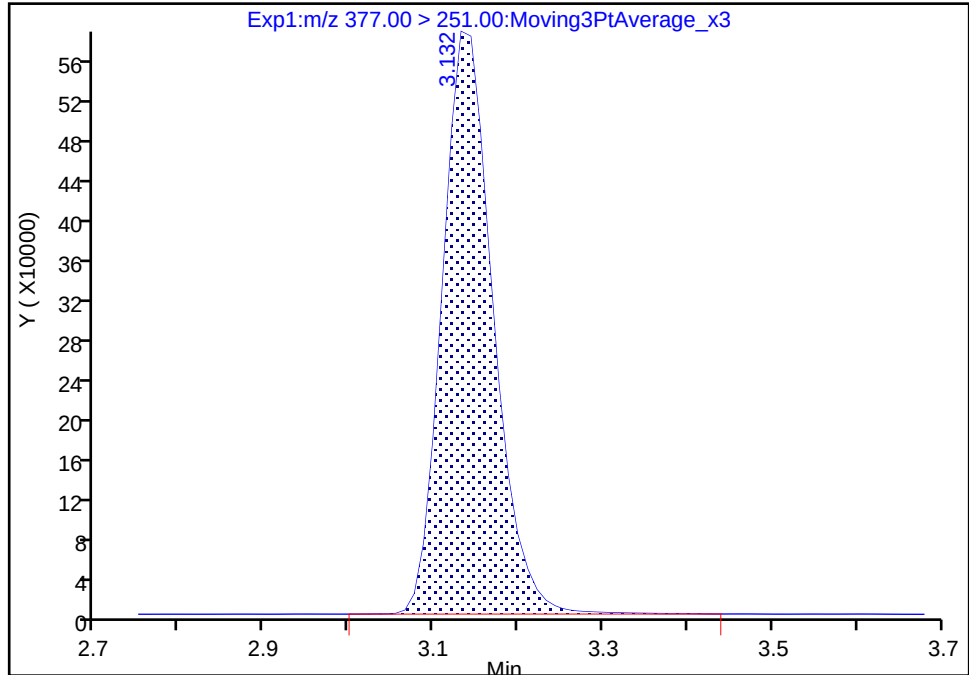
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

77 DONA, CAS: 919005-14-4

Signal: 1

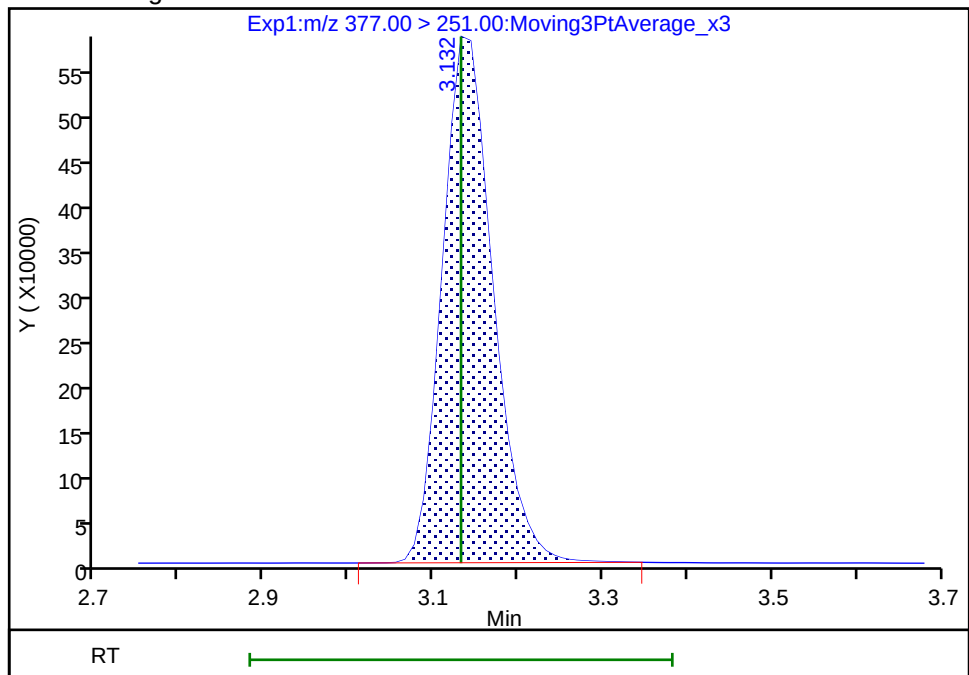
RT: 3.13
Area: 2417717
Amount: 0.467942
Amount Units: ng/ml

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
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Eurofins Burlington

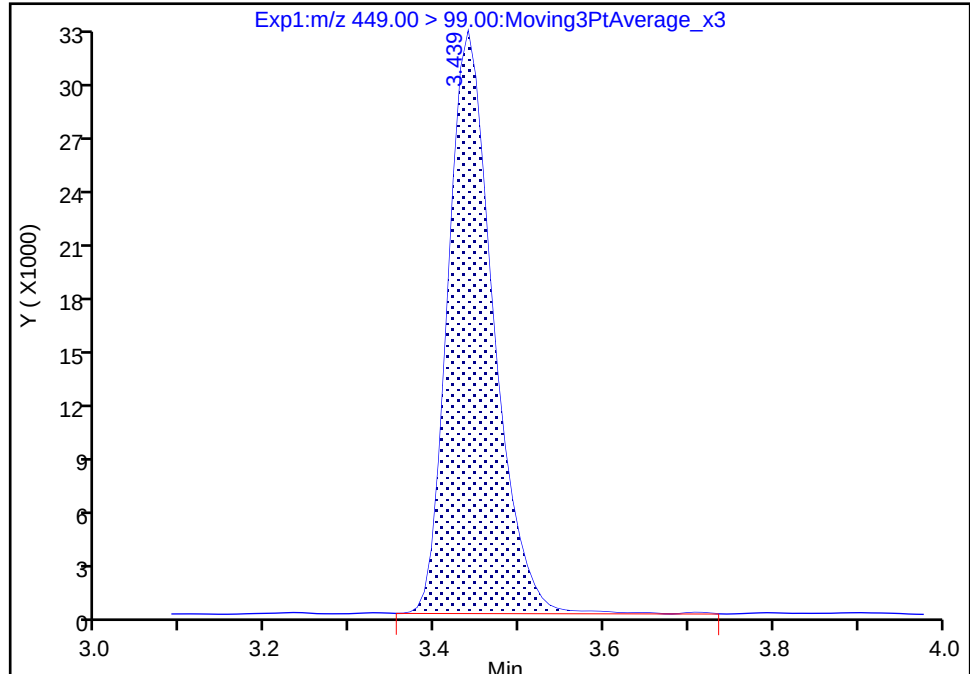
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

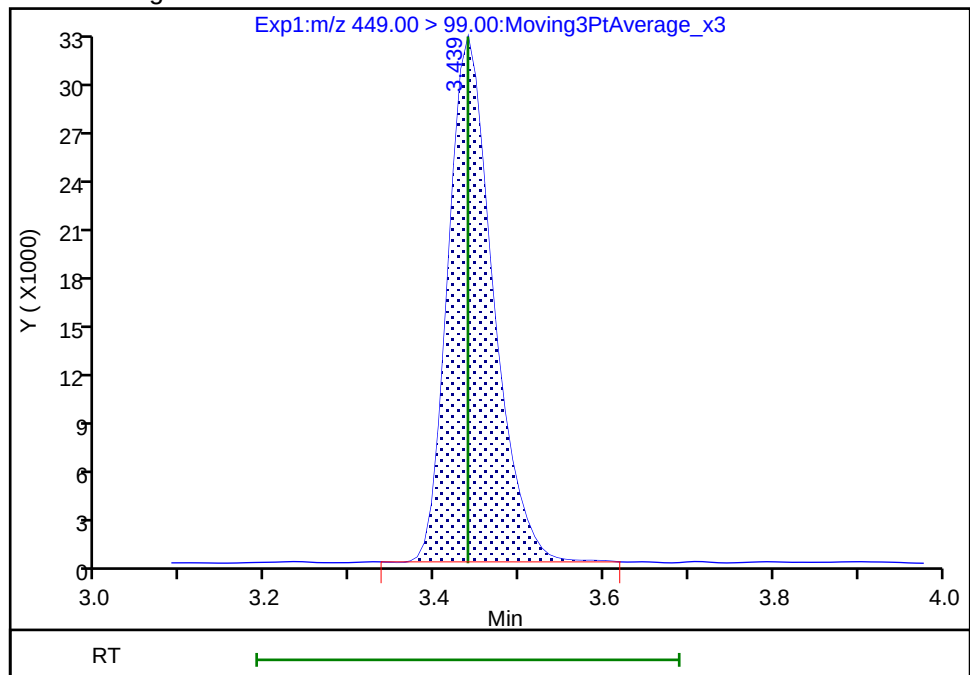
RT: 3.44
Area: 121485
Amount: 0.478403
Amount Units: ng/ml

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)

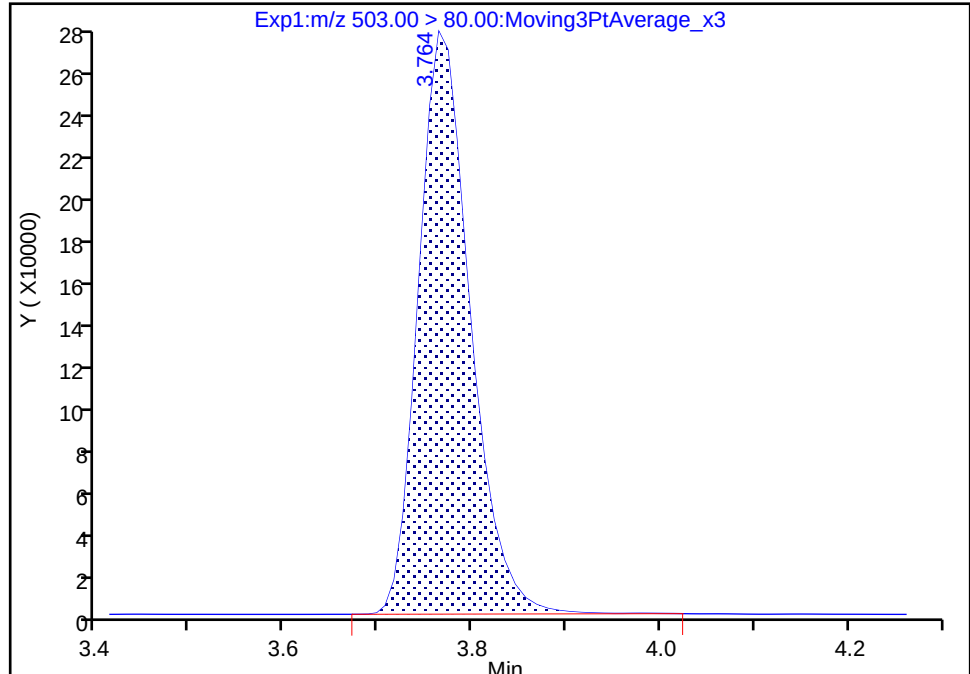
Detector: EXP1

D 18 13C4 PFOS, CAS: STL00991

Signal: 1

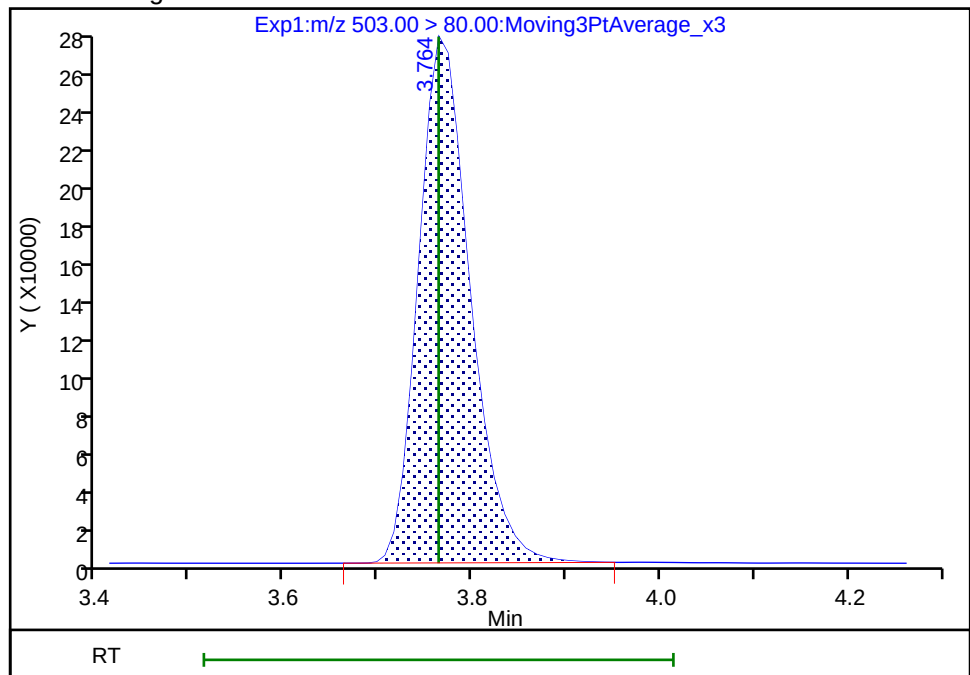
RT: 3.76
Area: 1037255
Amount: 1.197303
Amount Units: ng/ml

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

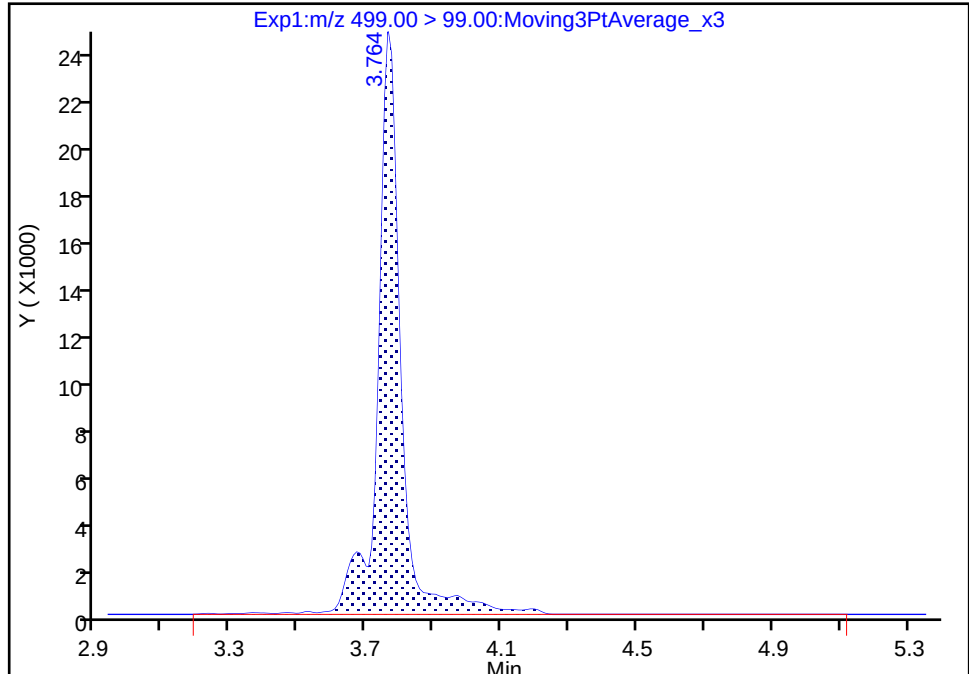
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

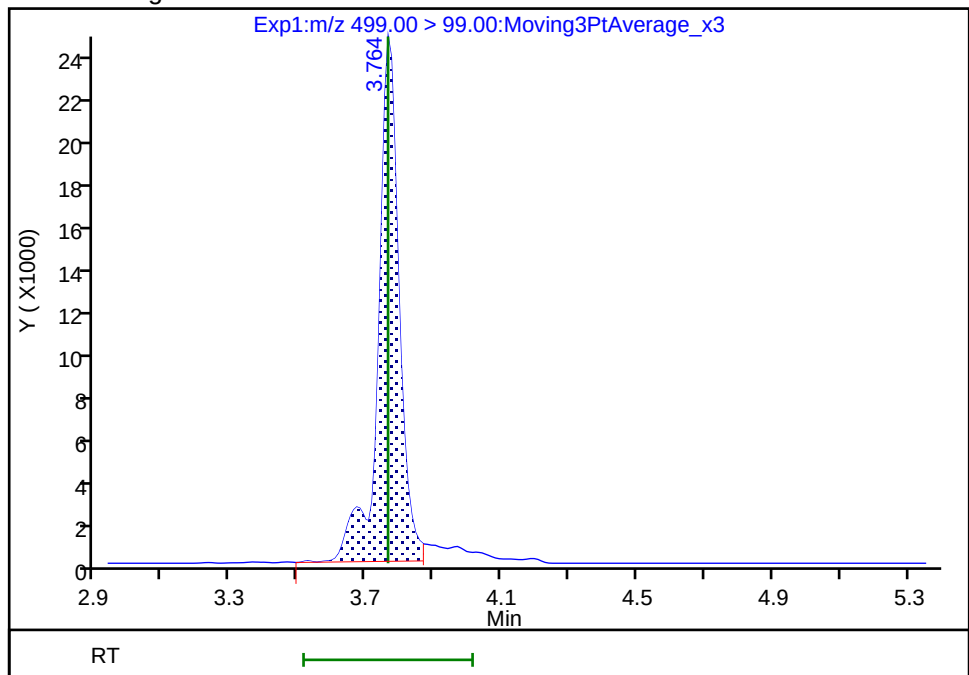
RT: 3.76
Area: 115041
Amount: 0.450182
Amount Units: ng/ml

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
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Eurofins Burlington

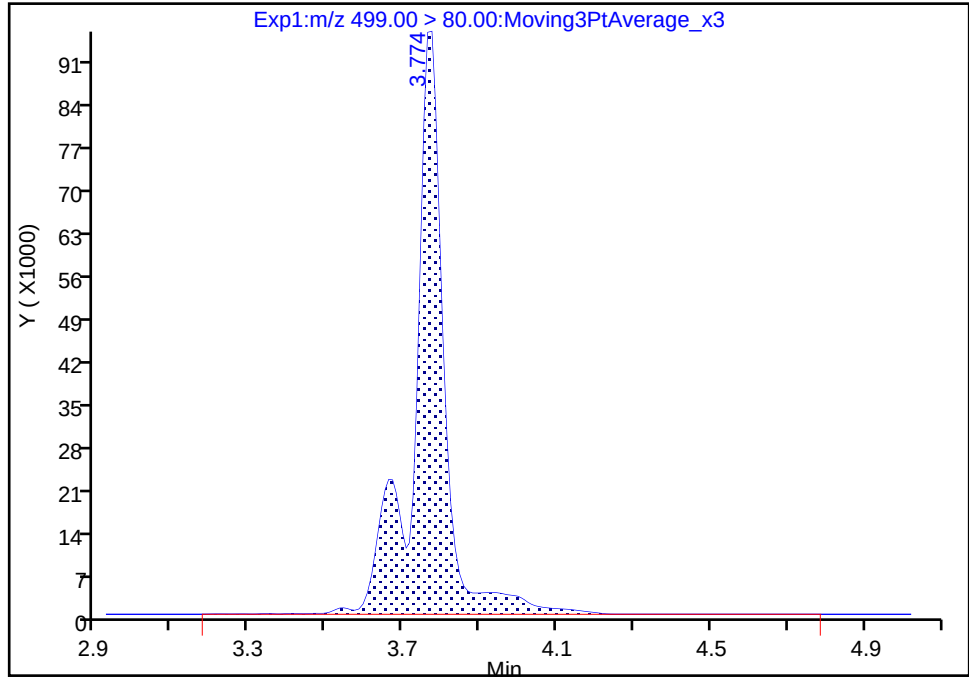
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

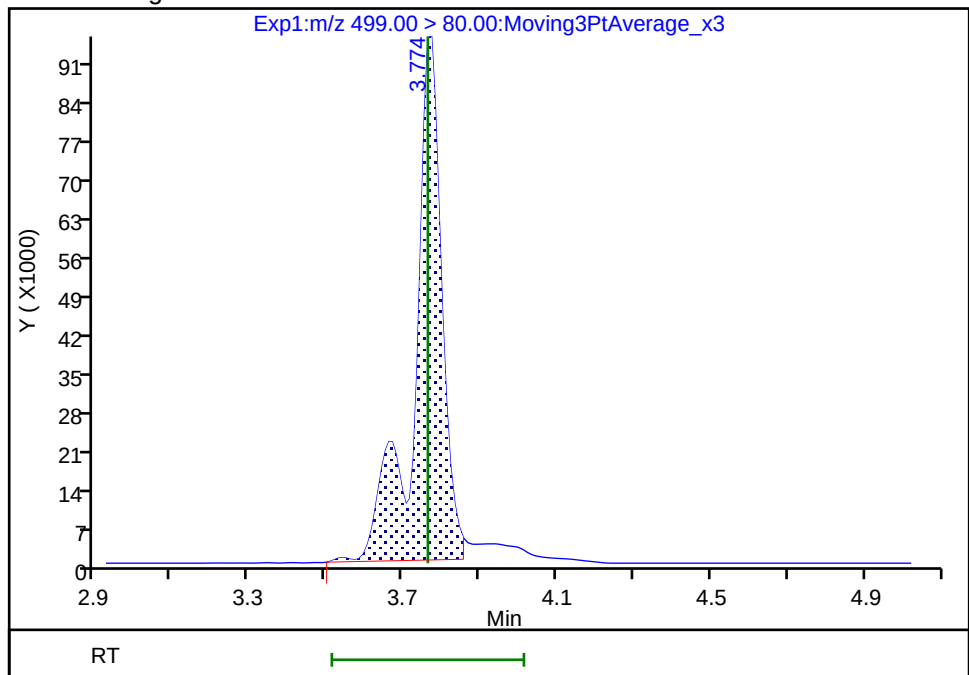
RT: 3.77
Area: 524529
Amount: 0.450182
Amount Units: ng/ml

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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Eurofins Burlington

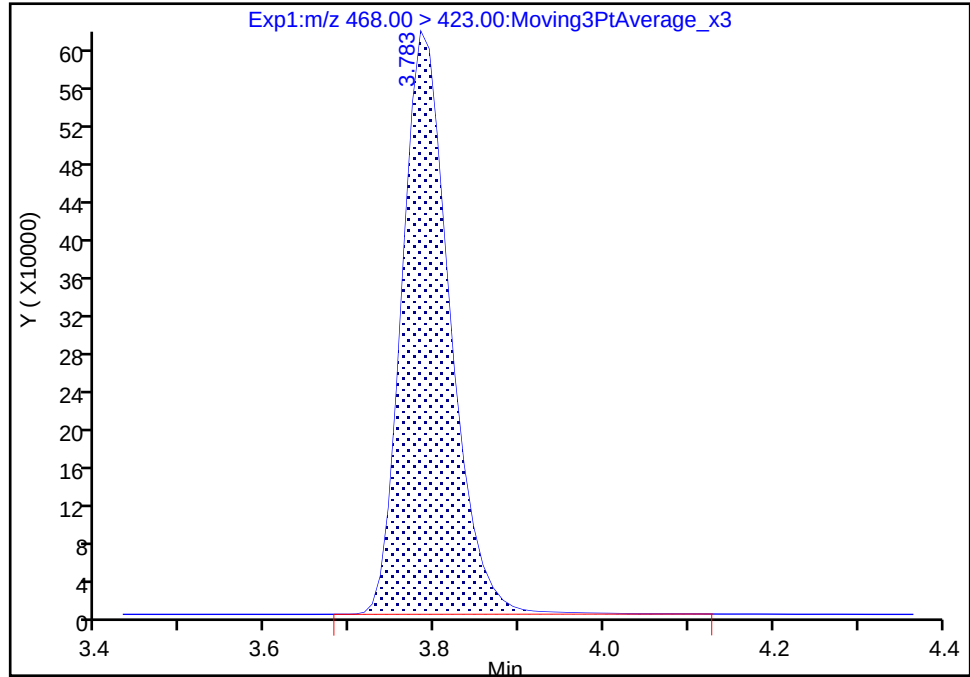
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

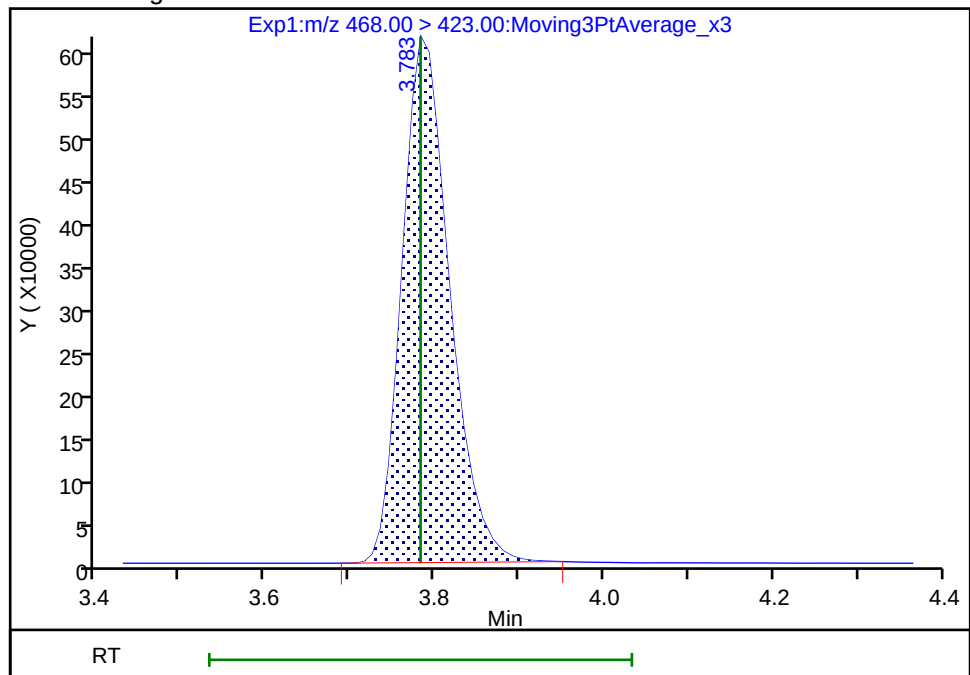
RT: 3.78
Area: 2398141
Amount: 1.248889
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 2379680
Amount: 1.236174
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:01:26
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

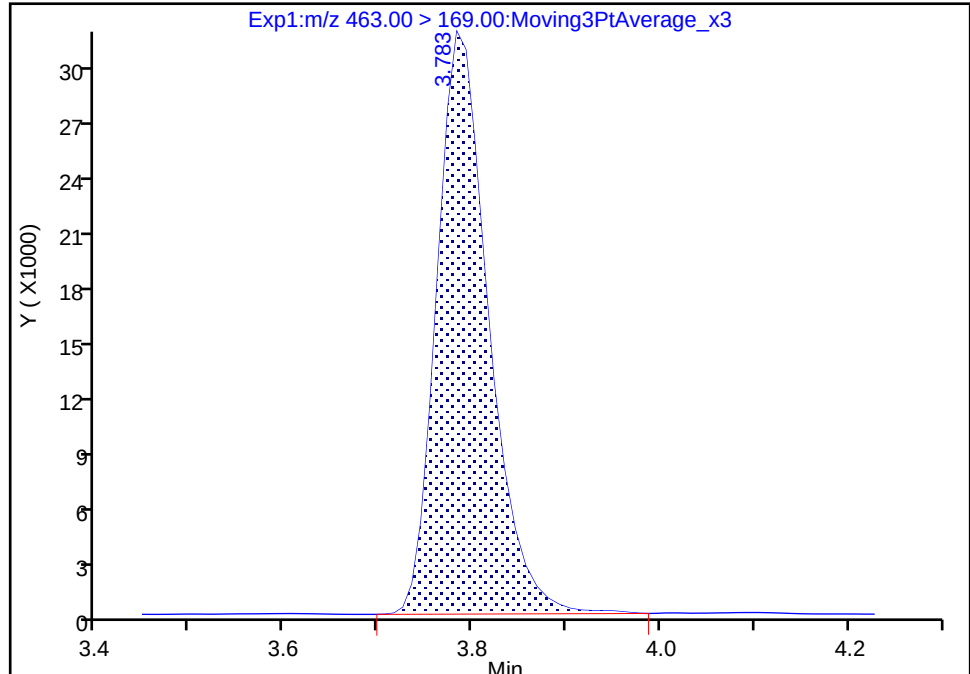
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

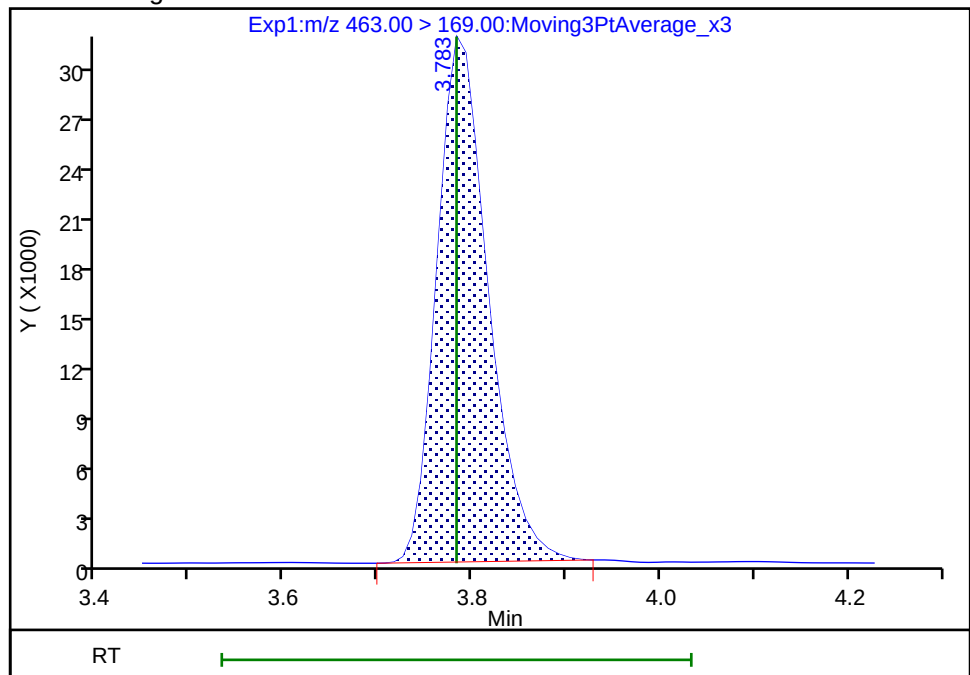
RT: 3.78
Area: 120127
Amount: 0.507644
Amount Units: ng/ml

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
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Eurofins Burlington

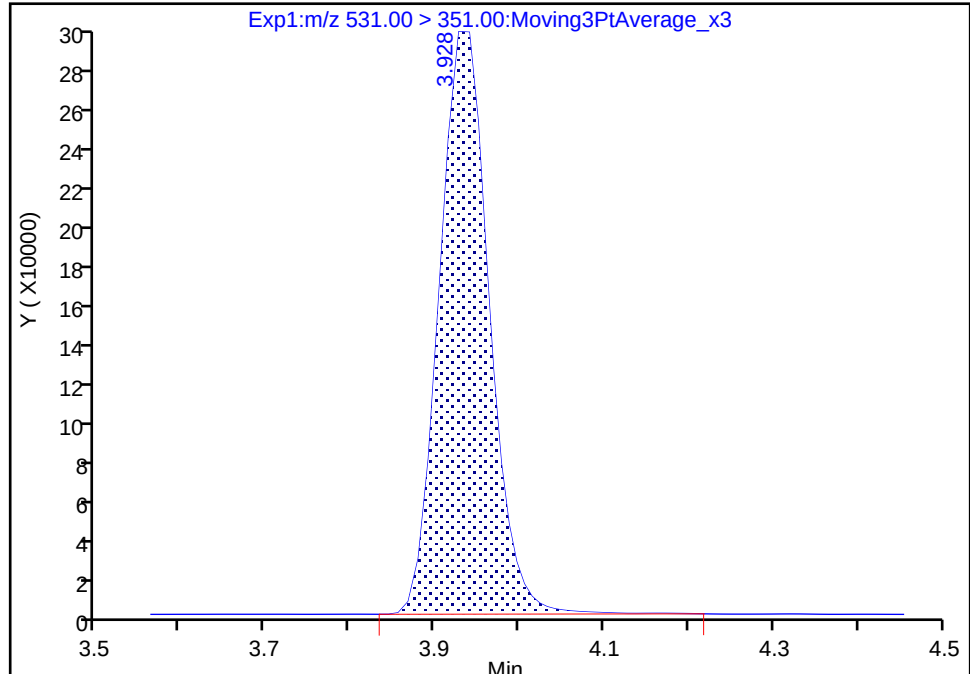
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

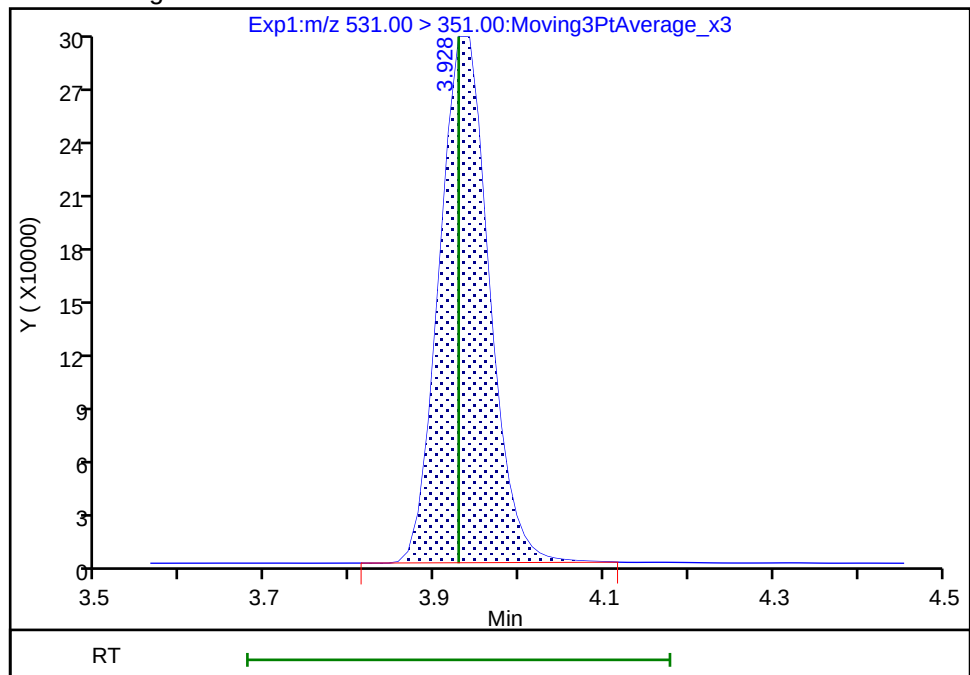
RT: 3.93
Area: 1196218
Amount: 0.468080
Amount Units: ng/ml

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
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Eurofins Burlington

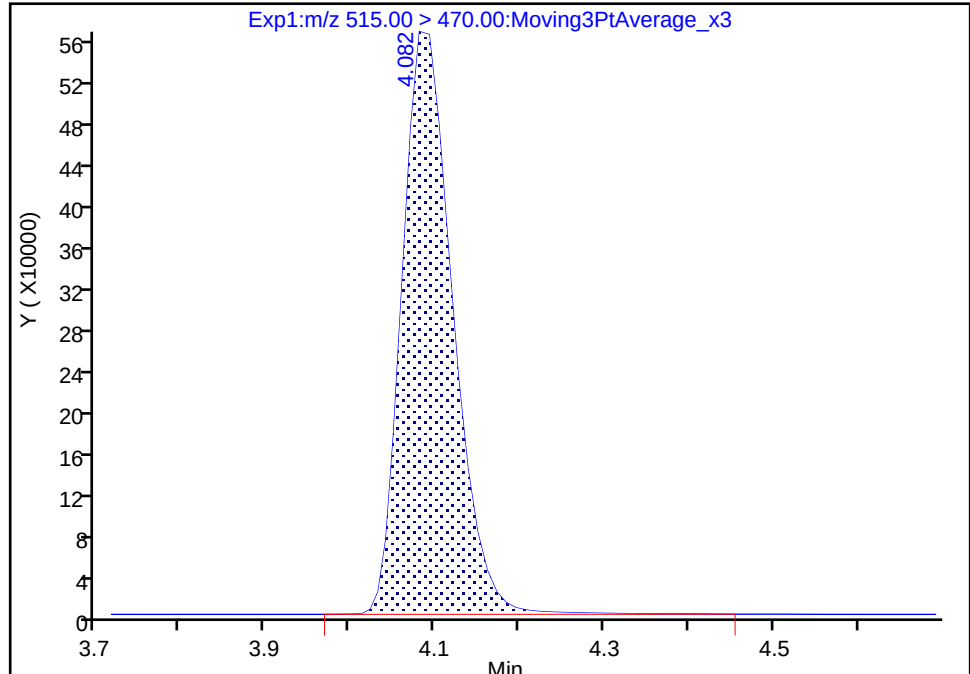
Data File:	\\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d		
Injection Date:	18-Nov-2022 14:46:15	Instrument ID:	LC812
Lims ID:	IC		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column: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

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

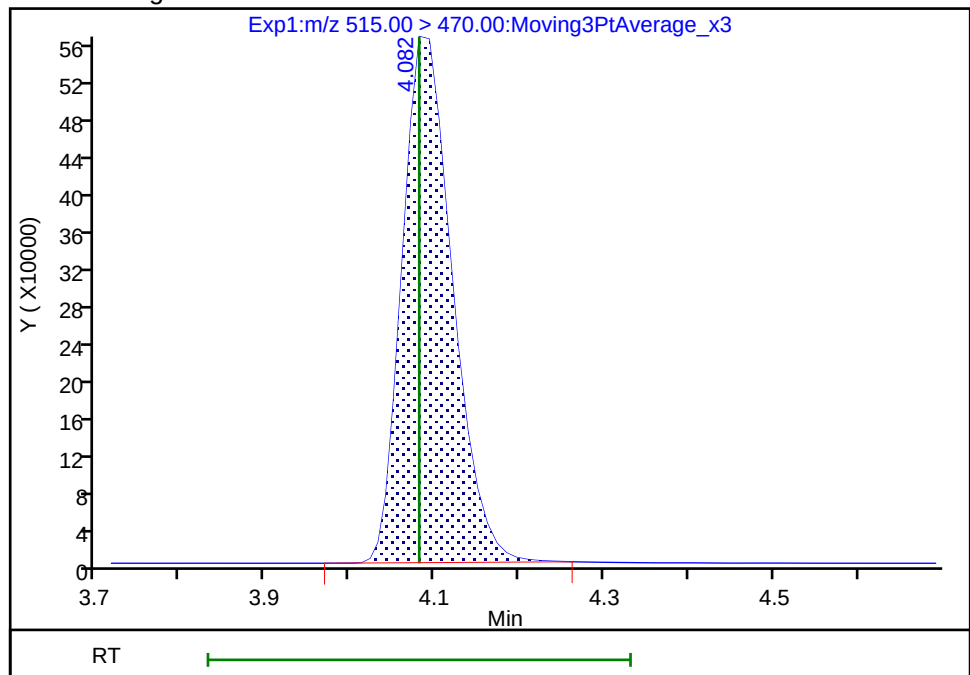
RT: 4.08
Area: 2353187
Amount: 1.223652
Amount Units: ng/ml

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
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Eurofins Burlington

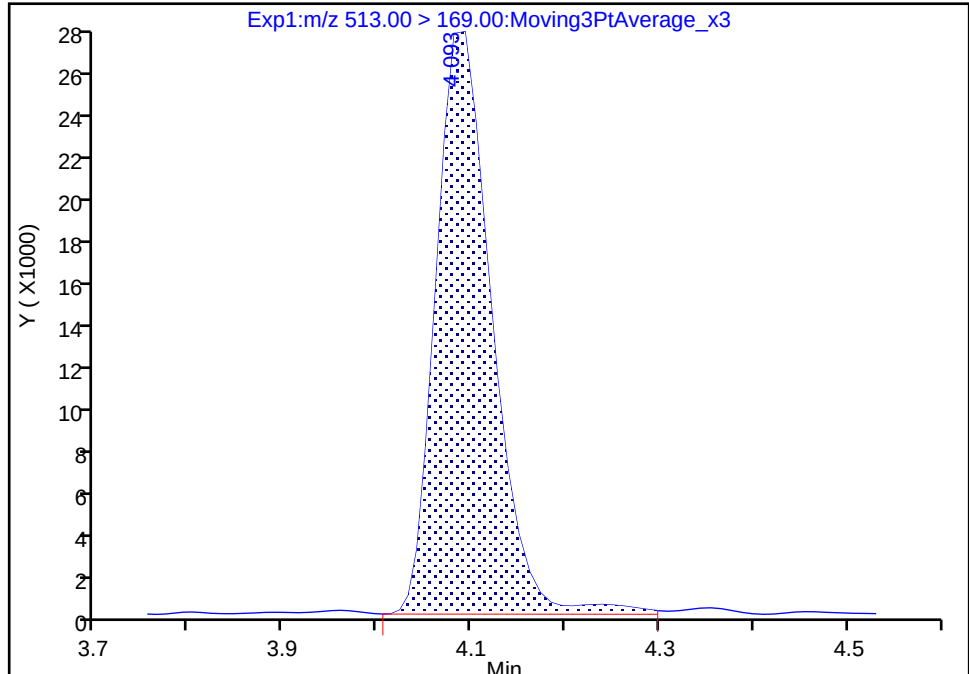
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

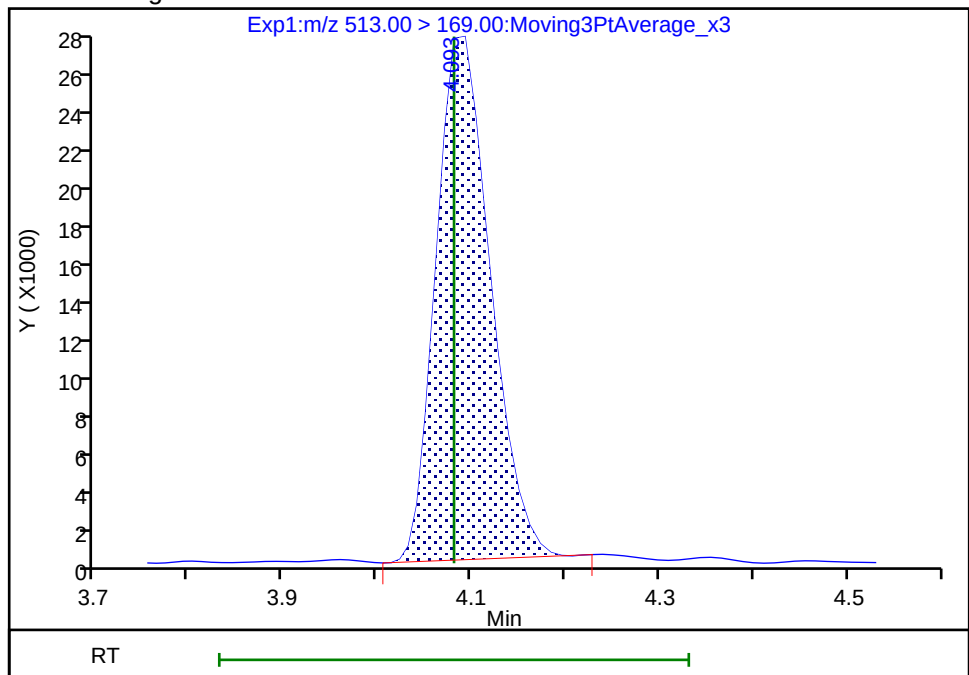
RT: 4.09
Area: 112536
Amount: 0.535825
Amount Units: ng/ml

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
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Eurofins Burlington

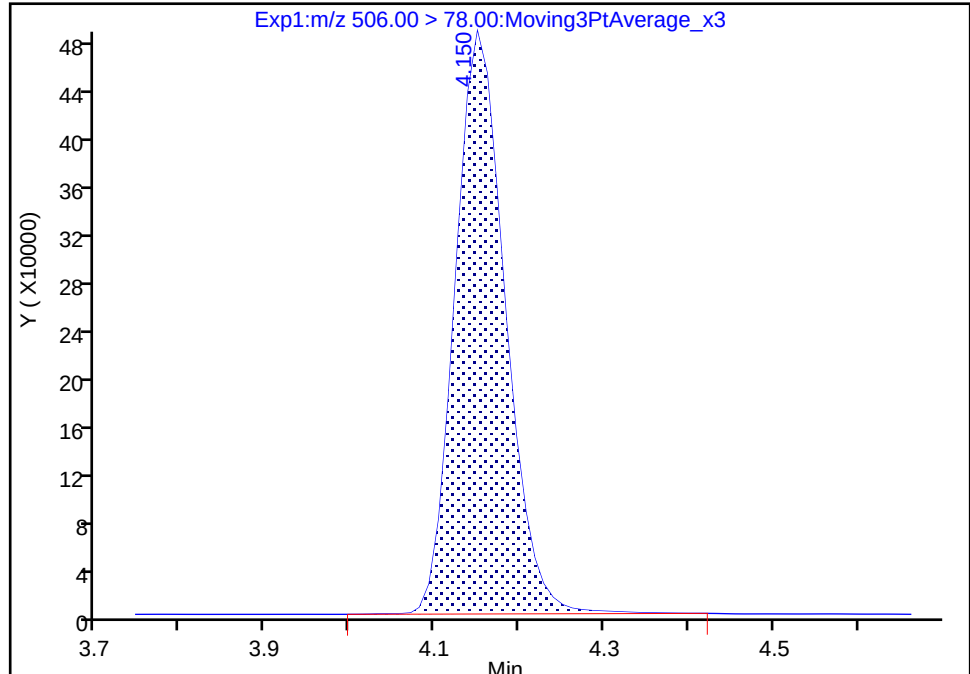
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

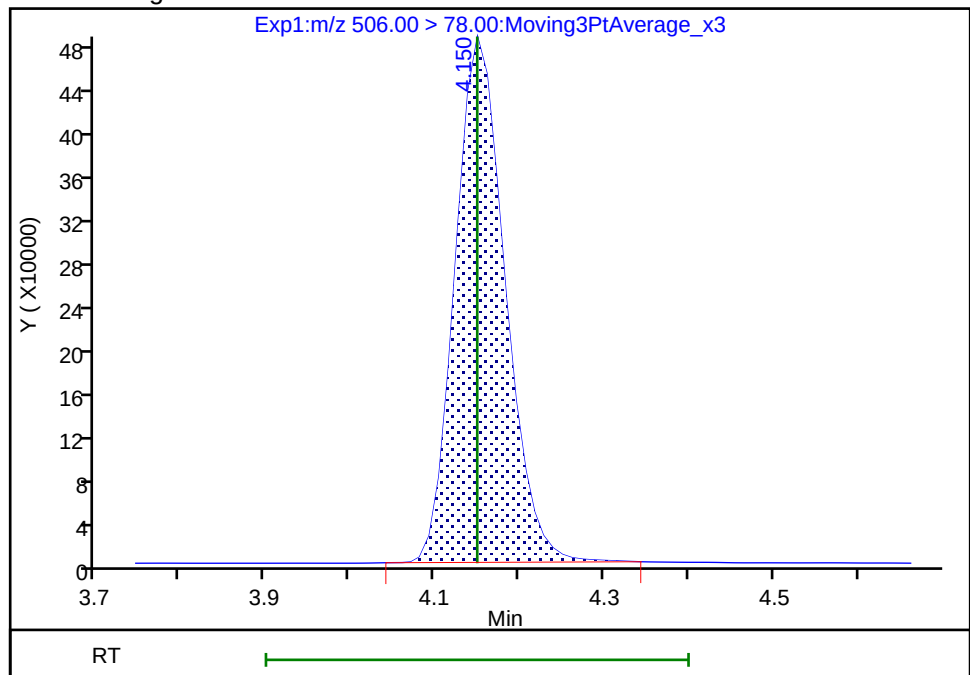
RT: 4.15
Area: 1977863
Amount: 1.249599
Amount Units: ng/ml

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
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Eurofins Burlington

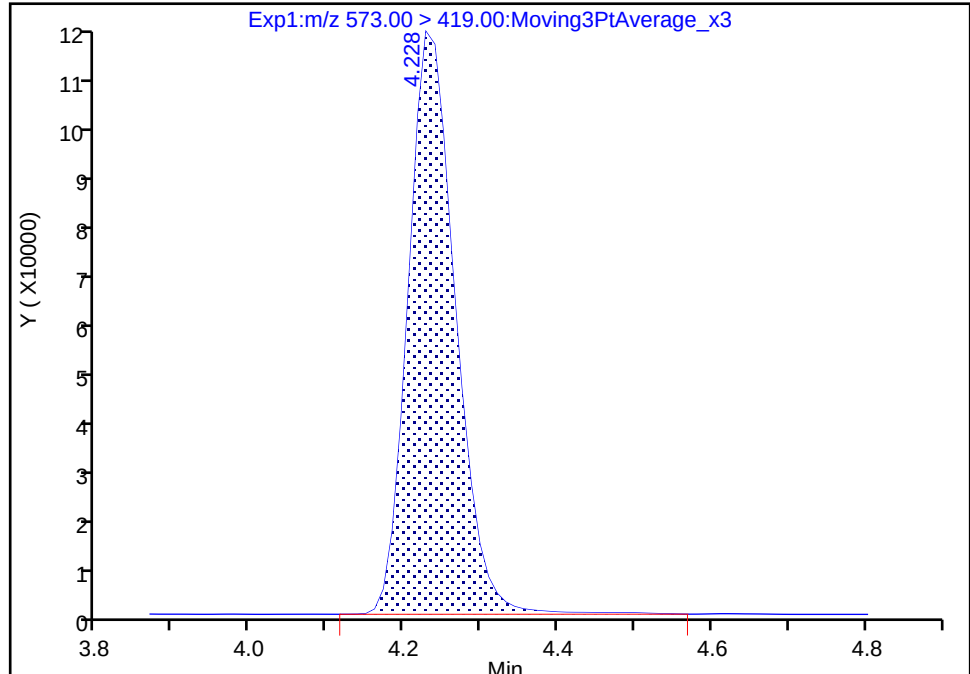
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

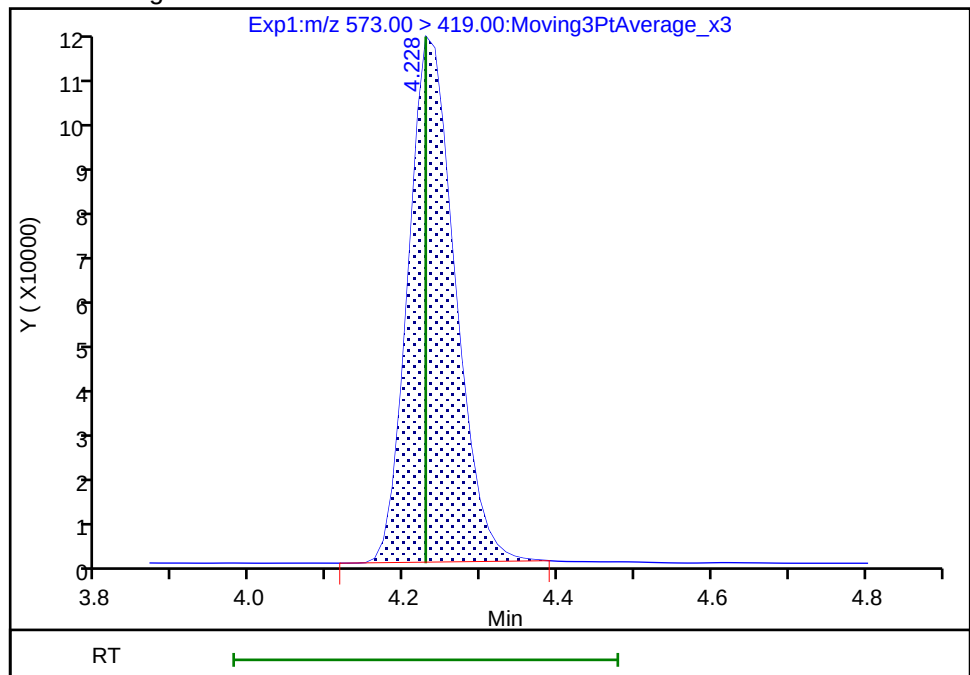
RT: 4.23
Area: 472648
Amount: 1.220892
Amount Units: ng/ml

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
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Eurofins Burlington

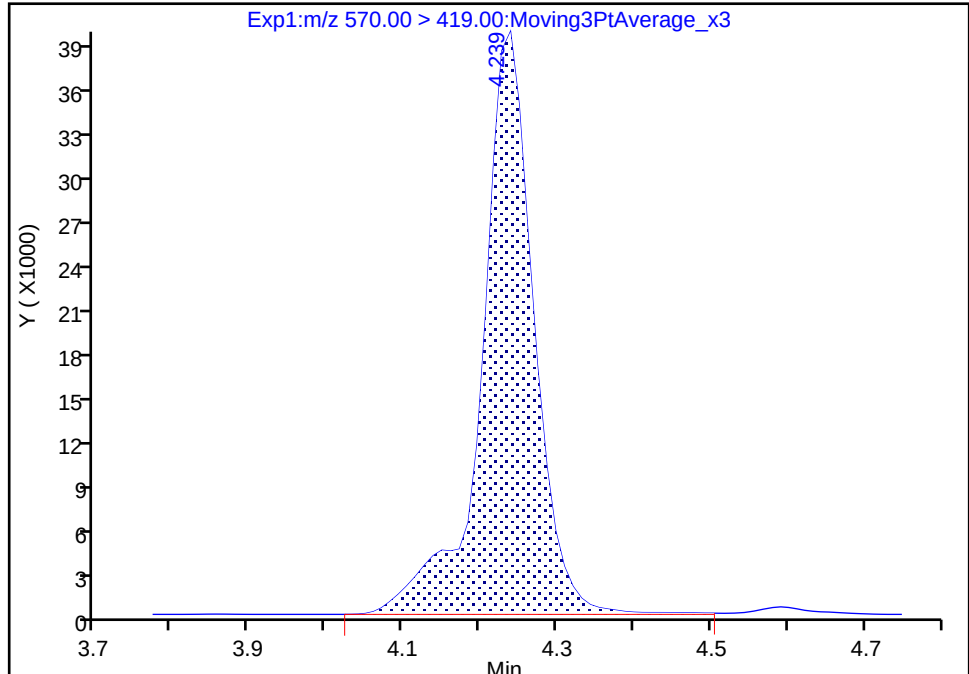
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

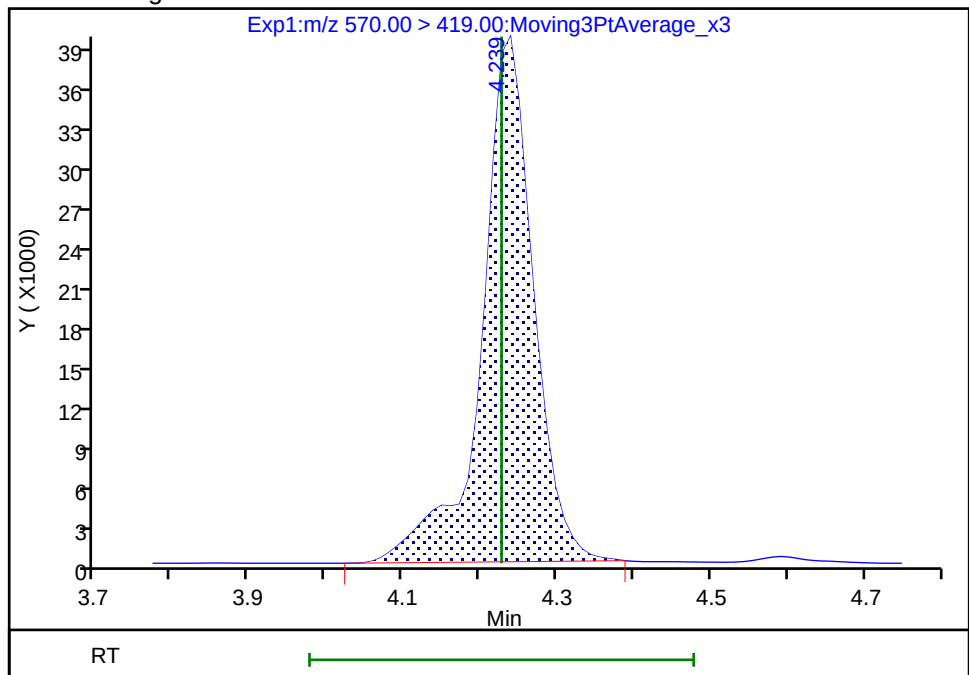
RT: 4.24
Area: 186349
Amount: 0.510442
Amount Units: ng/ml

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
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Eurofins Burlington

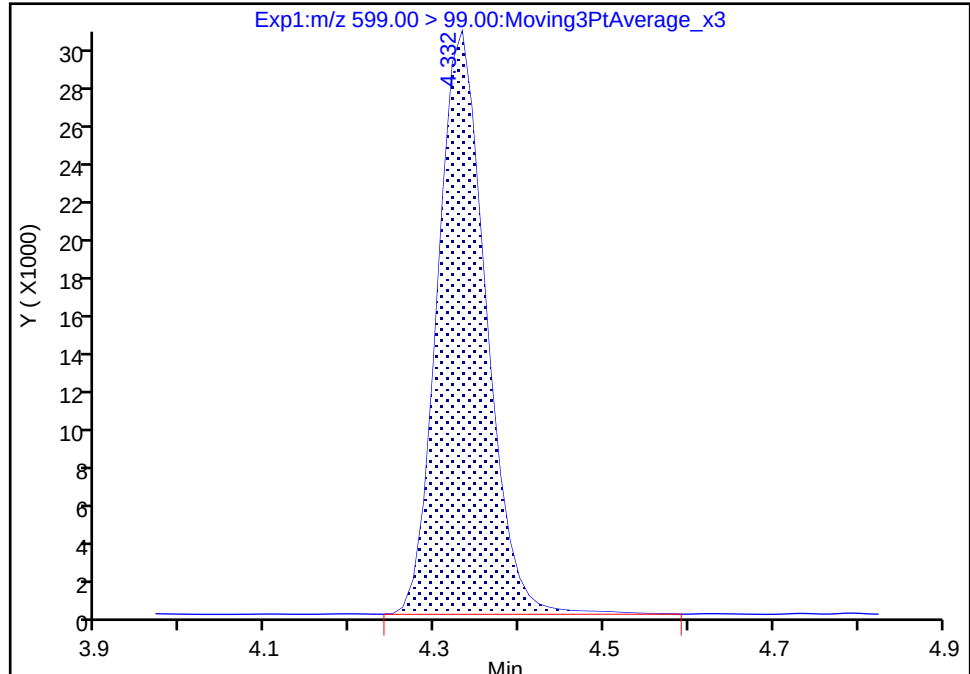
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

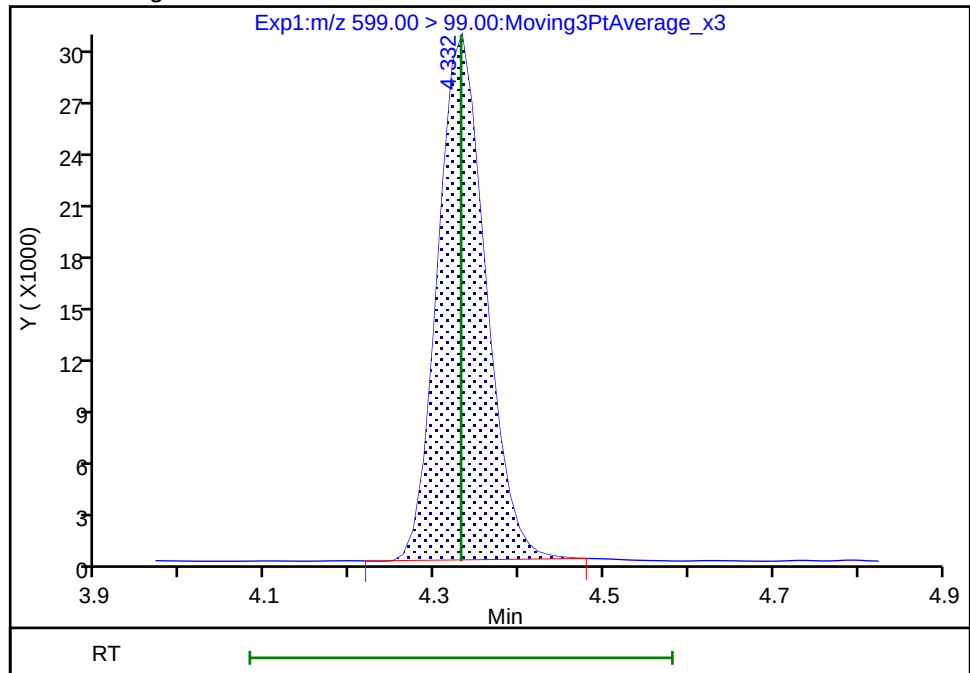
RT: 4.33
Area: 122520
Amount: 0.495943
Amount Units: ng/ml

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
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Eurofins Burlington

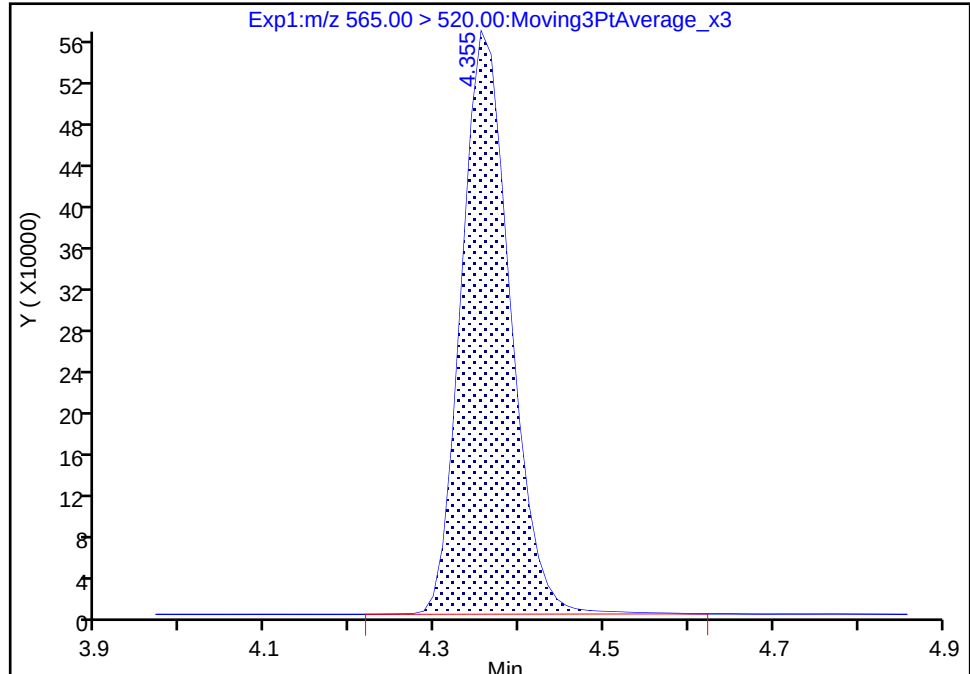
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

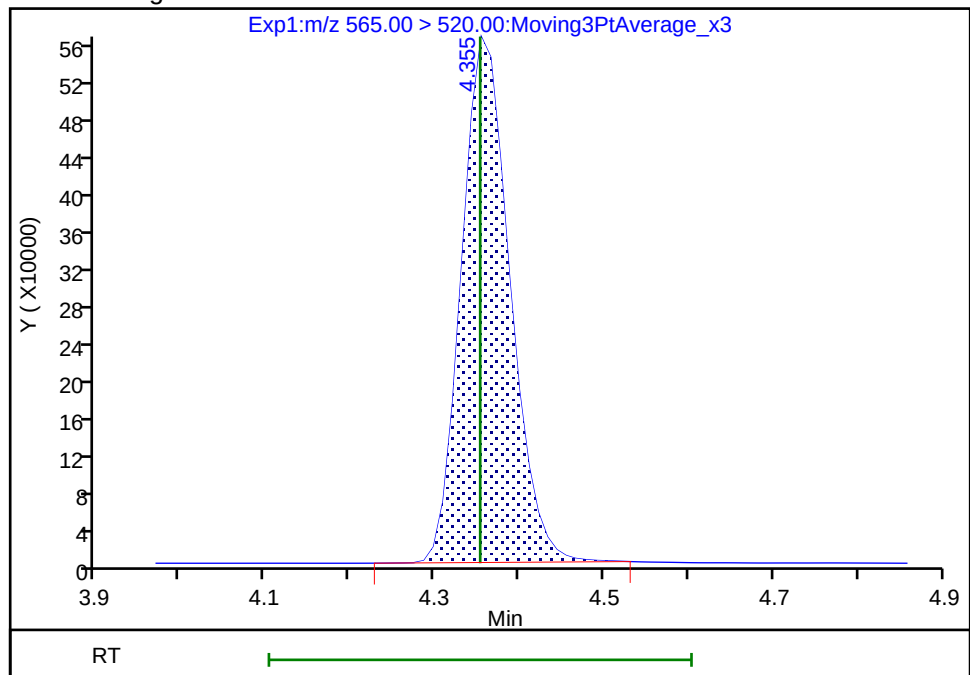
RT: 4.35
Area: 2246233
Amount: 1.255521
Amount Units: ng/ml

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

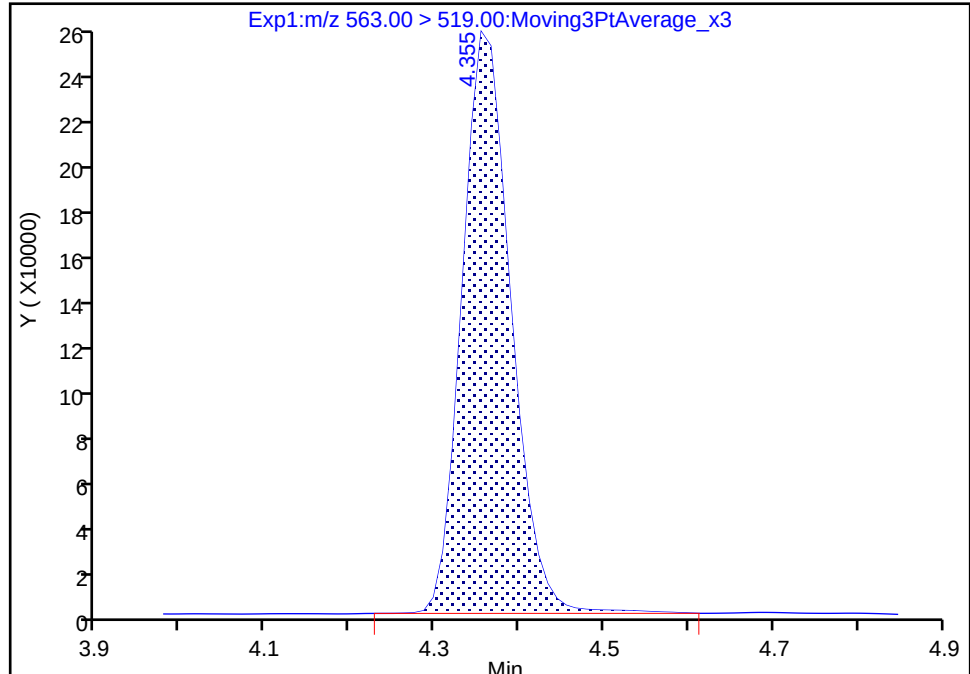
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

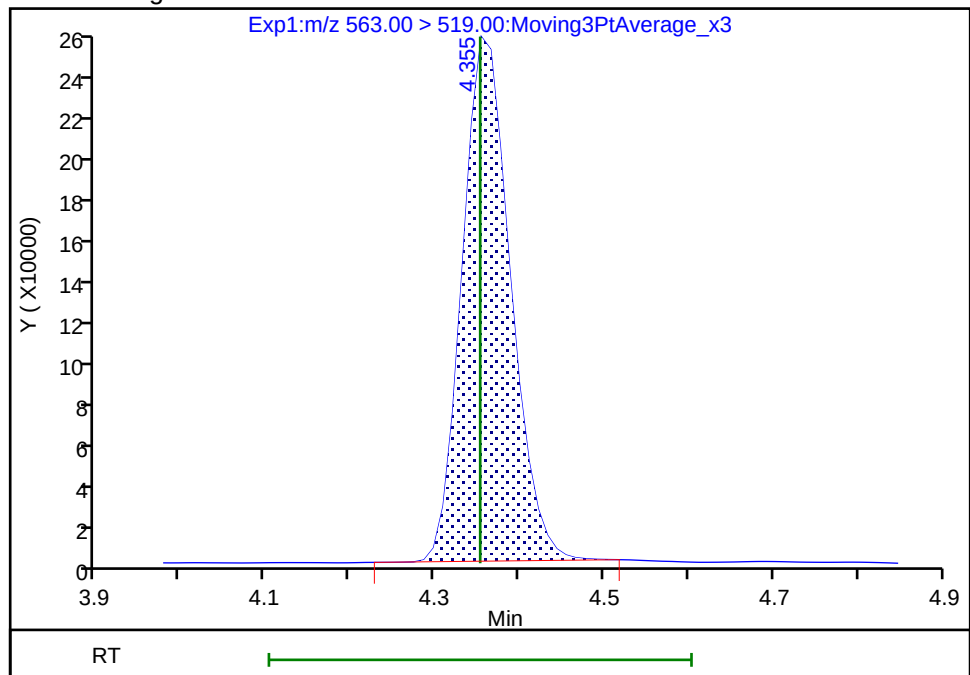
RT: 4.35
Area: 1019546
Amount: 0.528294
Amount Units: ng/ml

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
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Eurofins Burlington

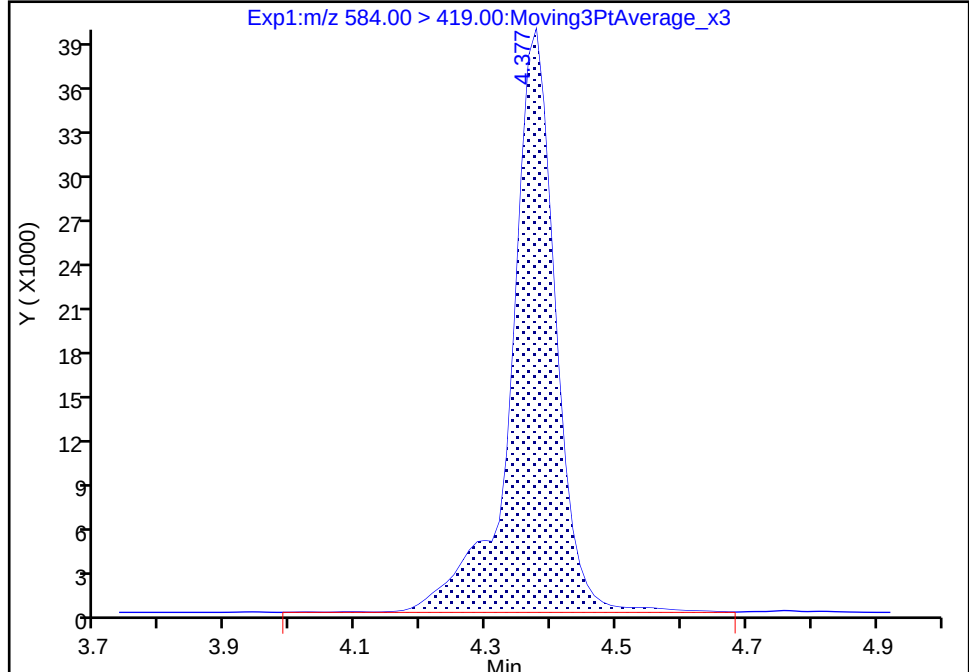
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

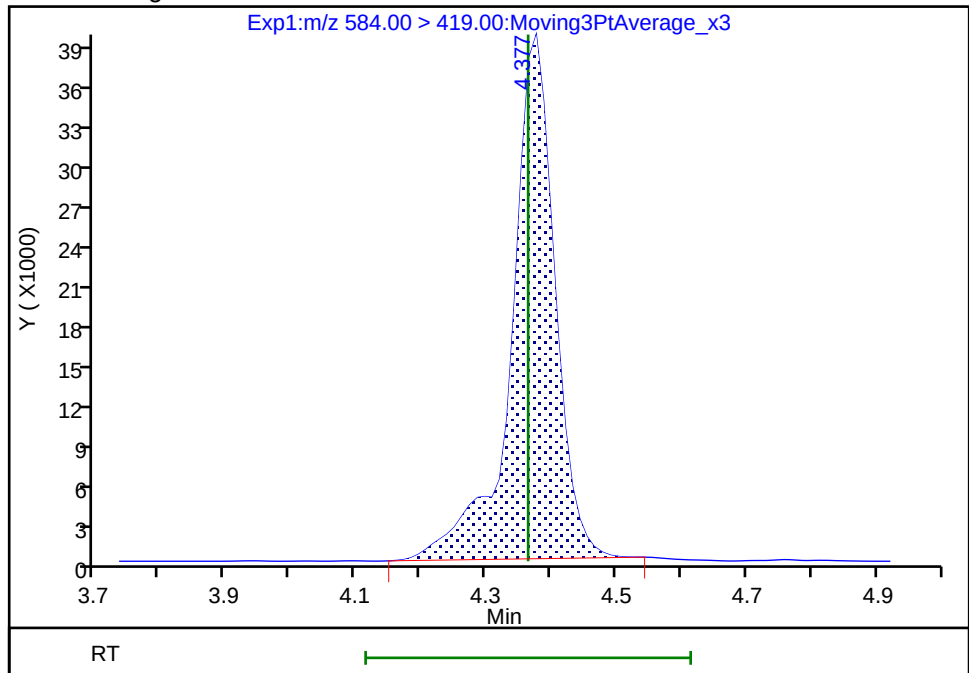
RT: 4.38
Area: 187455
Amount: 0.493834
Amount Units: ng/ml

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

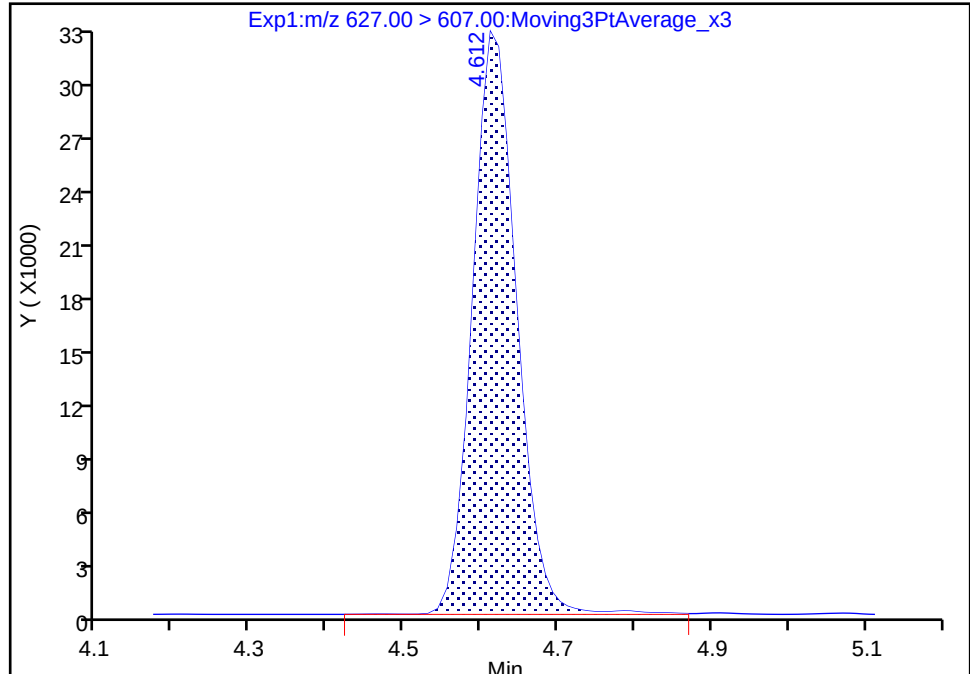
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

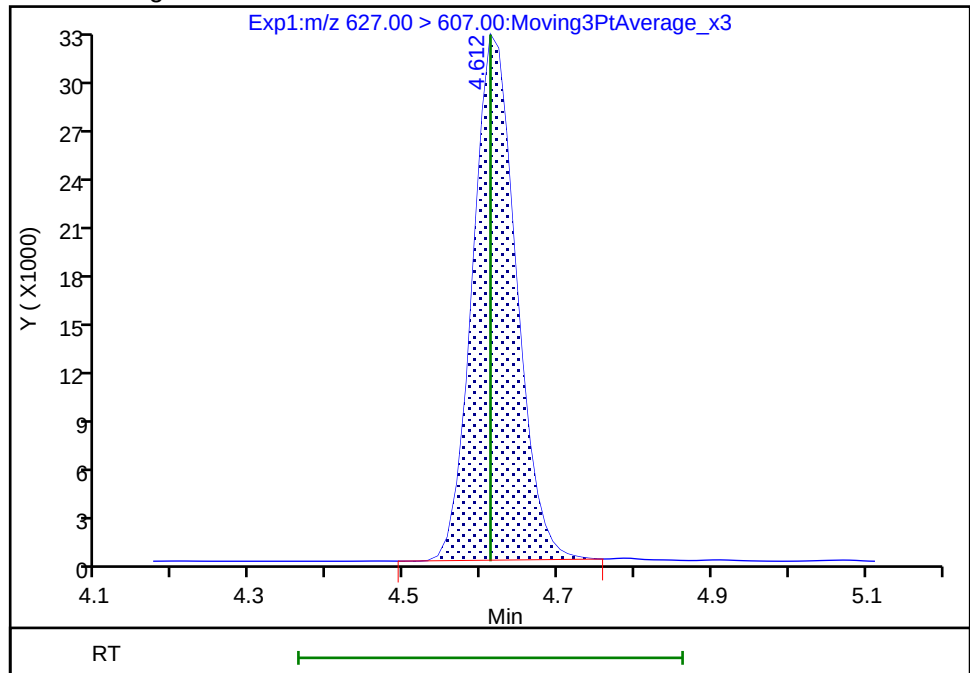
RT: 4.61
Area: 127475
Amount: 0.468658
Amount Units: ng/ml

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
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Eurofins Burlington

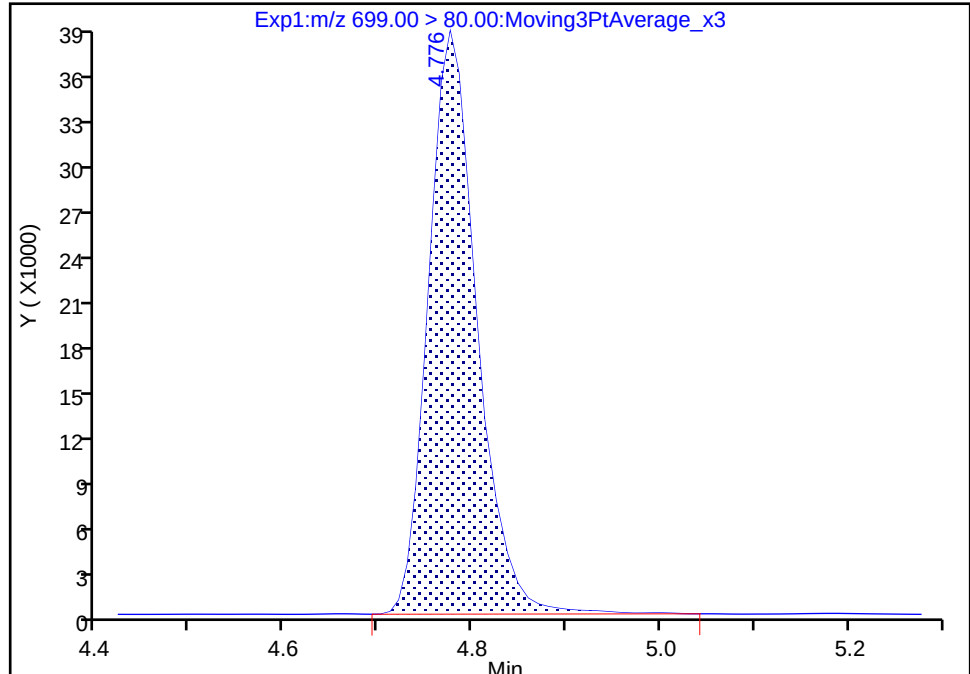
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

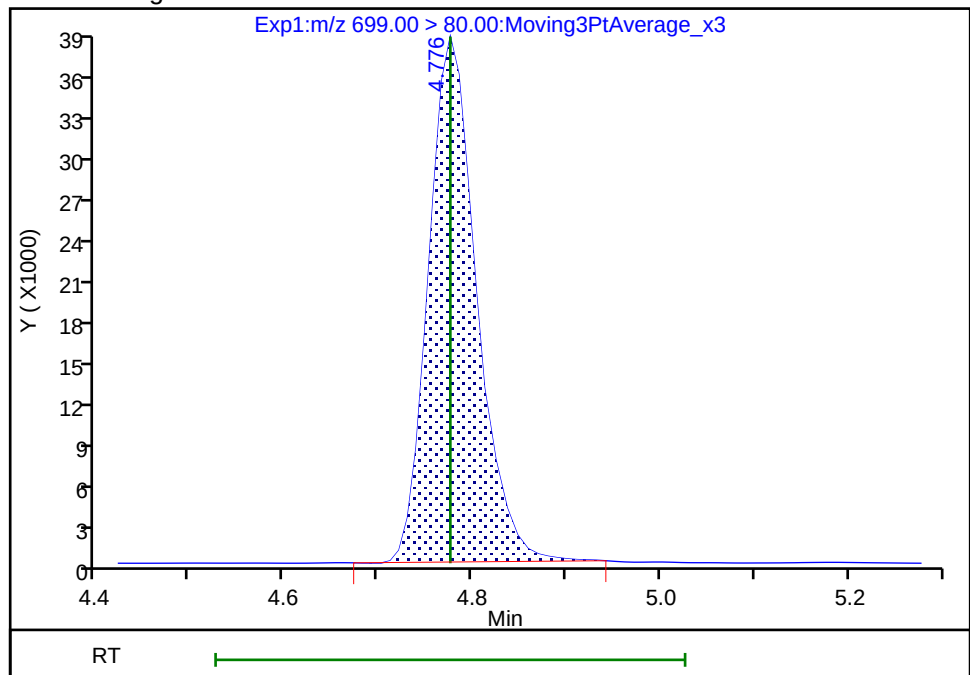
RT: 4.78
Area: 137382
Amount: 0.488107
Amount Units: ng/ml

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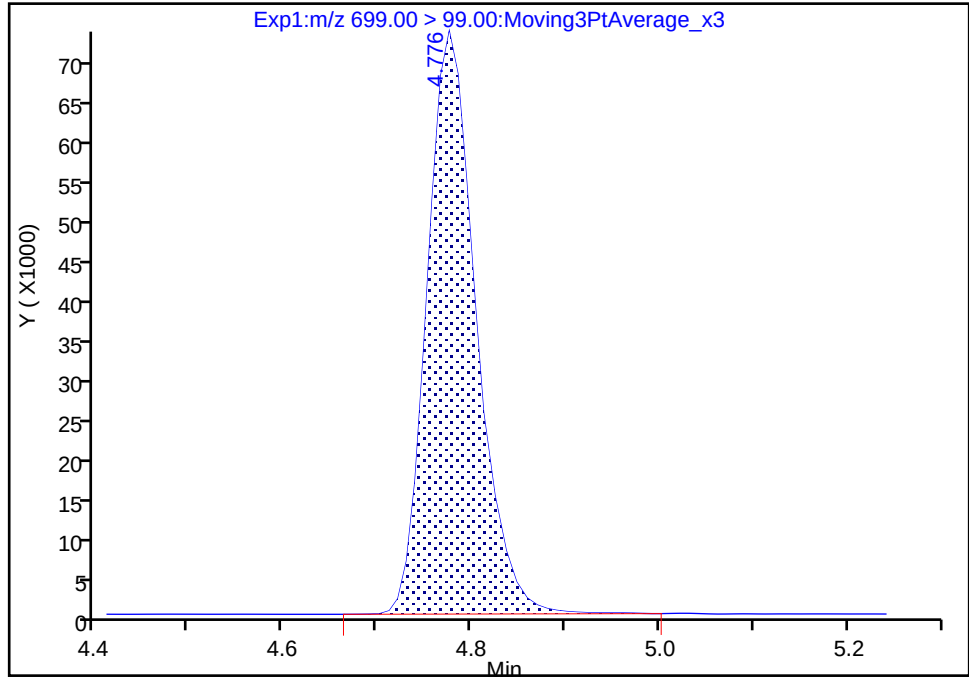
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 2

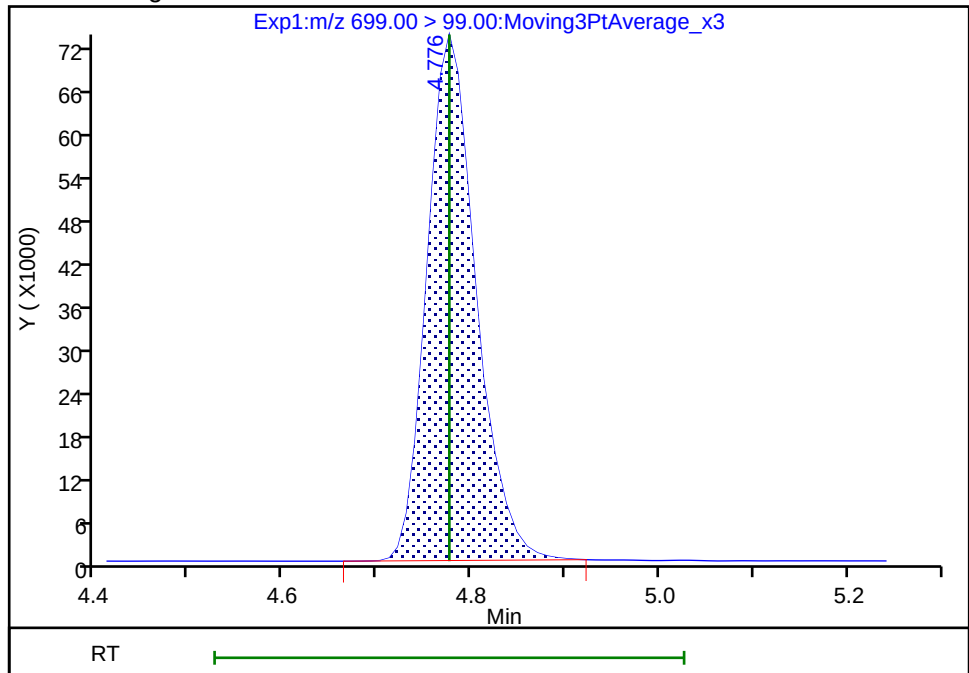
RT: 4.78
Area: 265617
Amount: 0.488107
Amount Units: ng/ml

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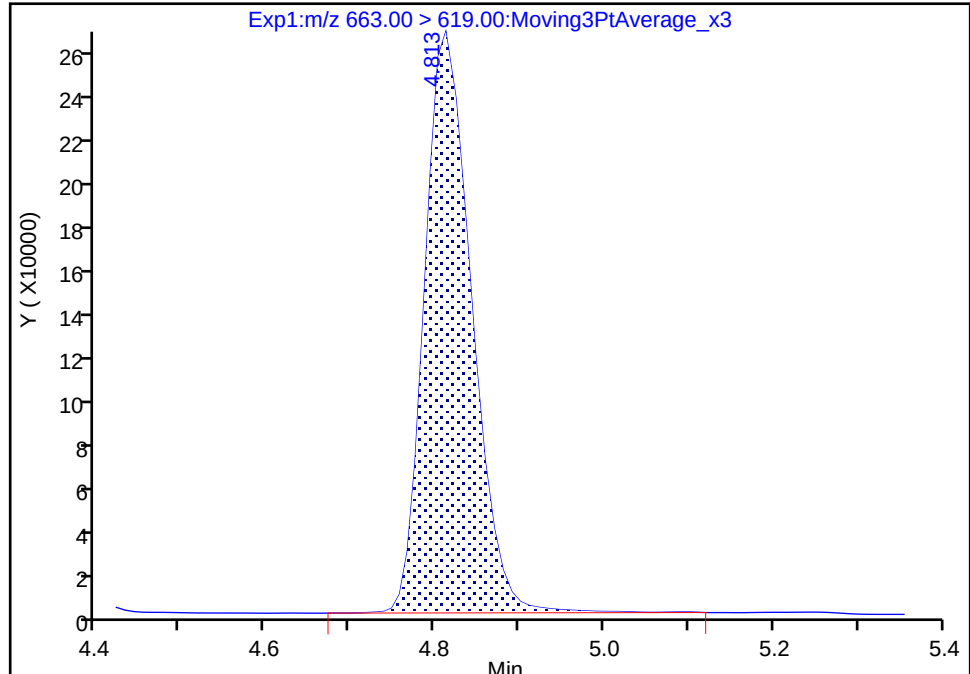
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

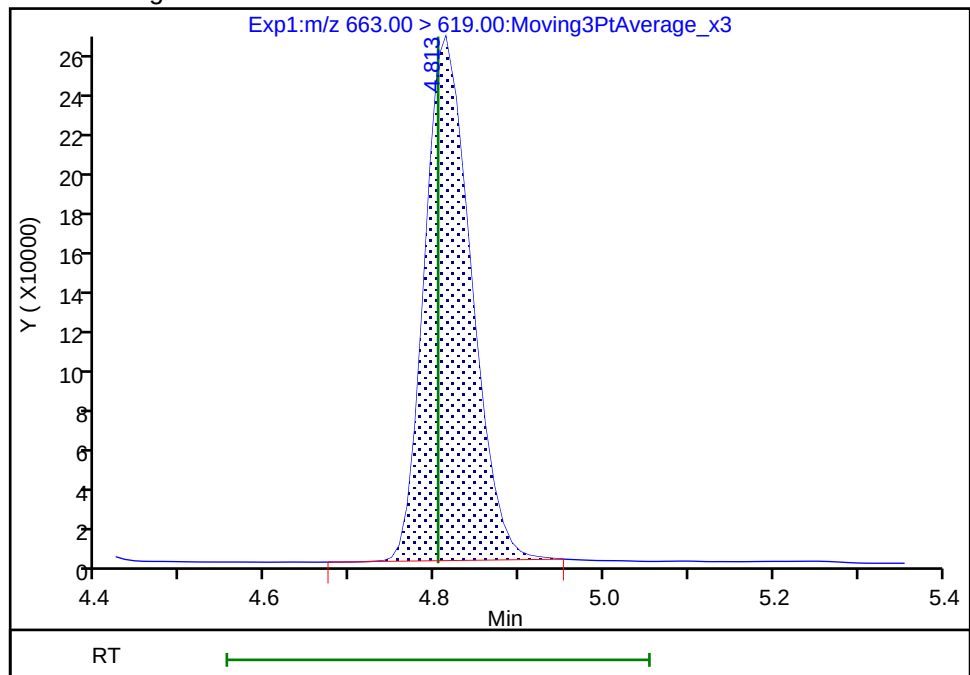
RT: 4.81
Area: 1002946
Amount: 0.507432
Amount Units: ng/ml

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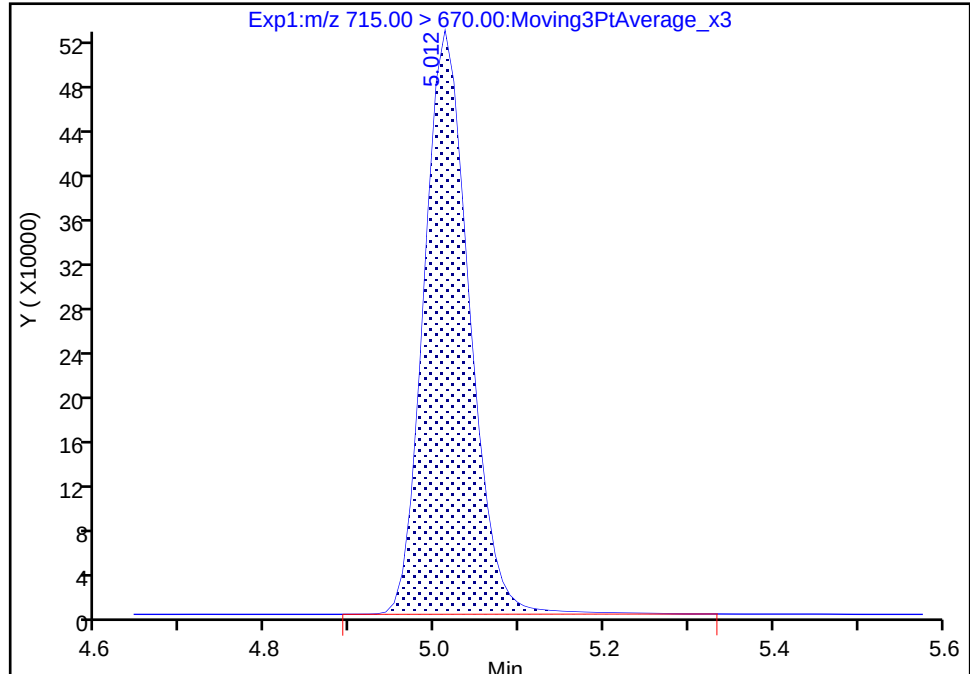
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

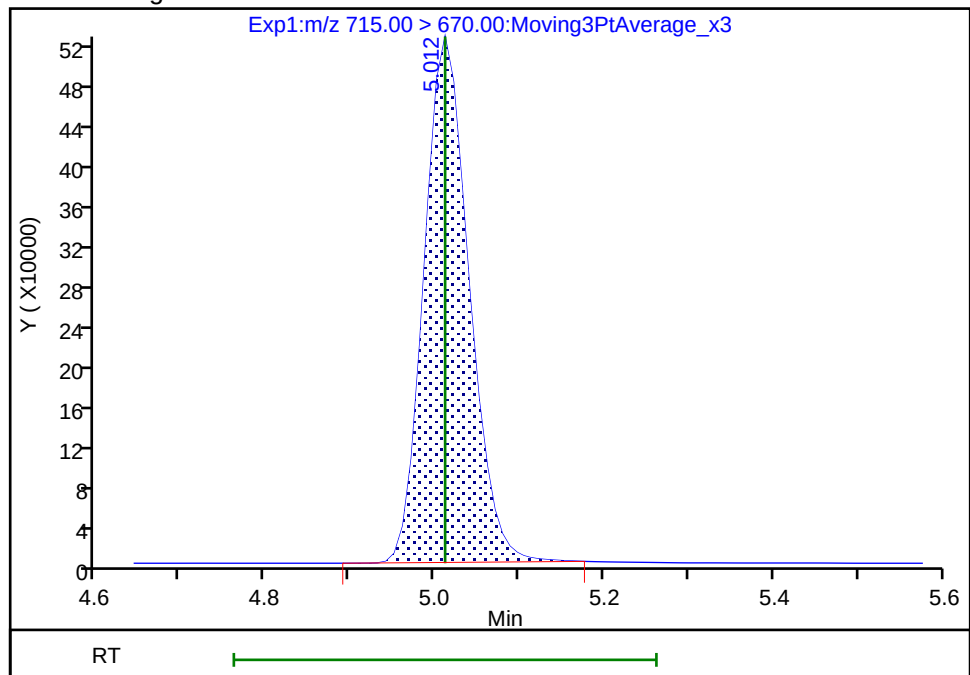
RT: 5.01
Area: 1966556
Amount: 1.245759
Amount Units: ng/ml

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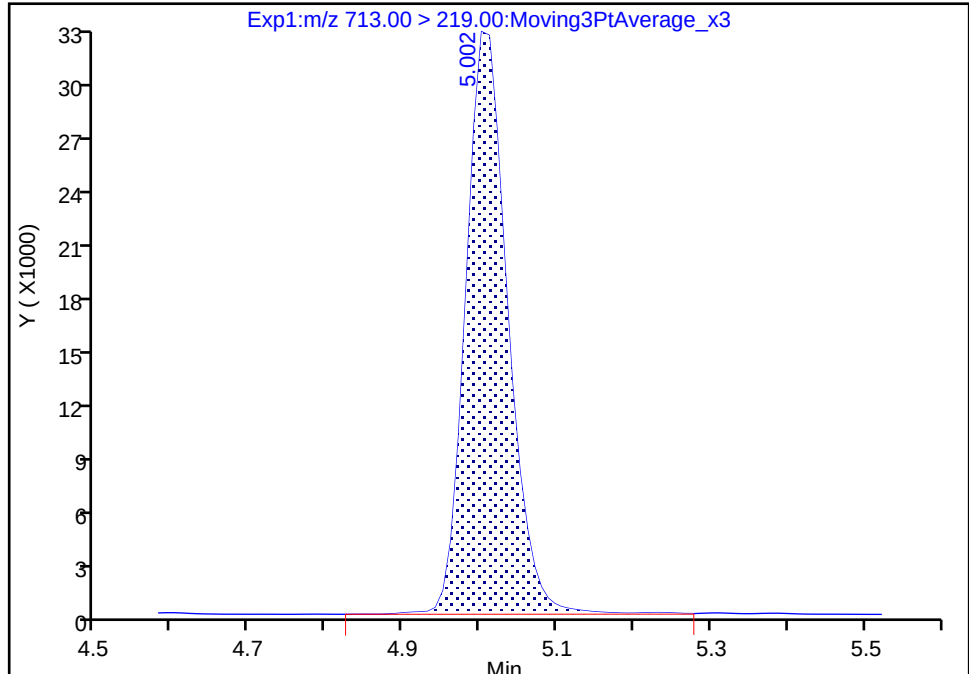
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

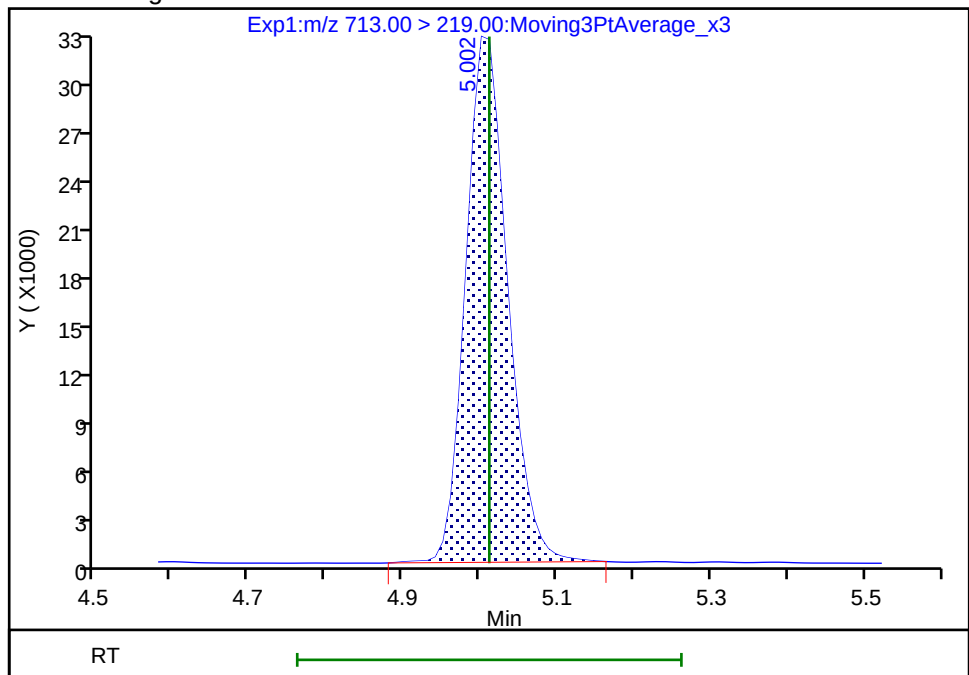
RT: 5.00
Area: 121696
Amount: 0.499944
Amount Units: ng/ml

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

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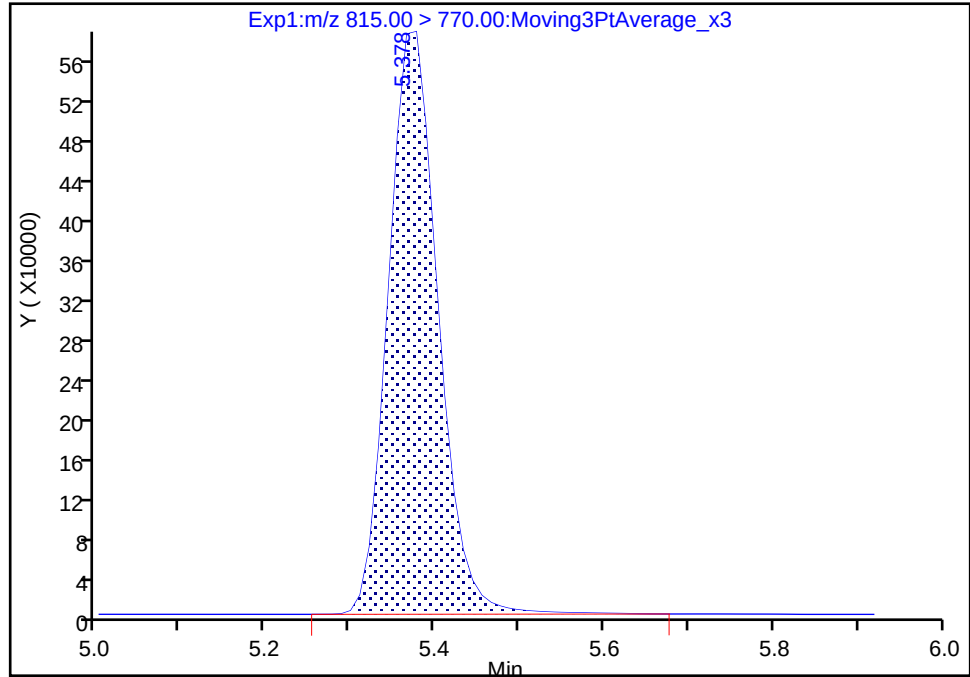
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

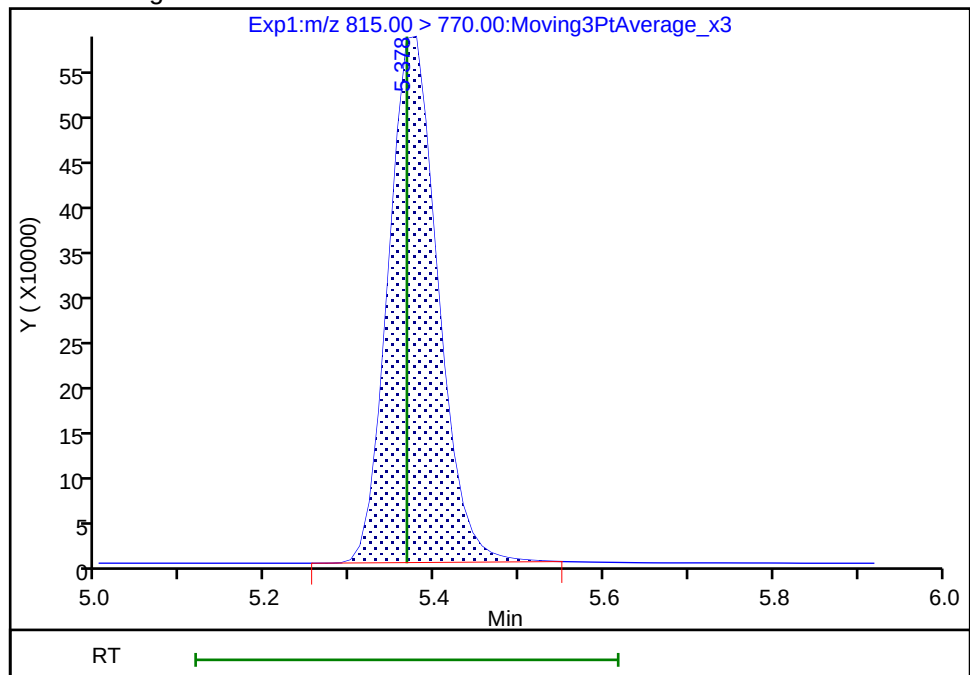
RT: 5.38
Area: 2367322
Amount: 1.213410
Amount Units: ng/ml

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

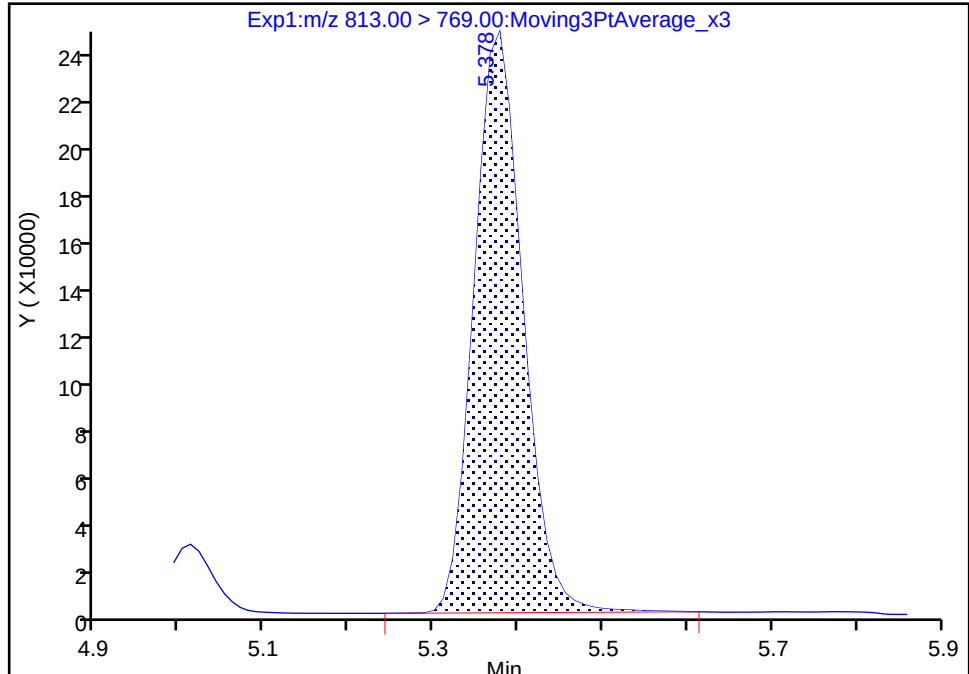
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

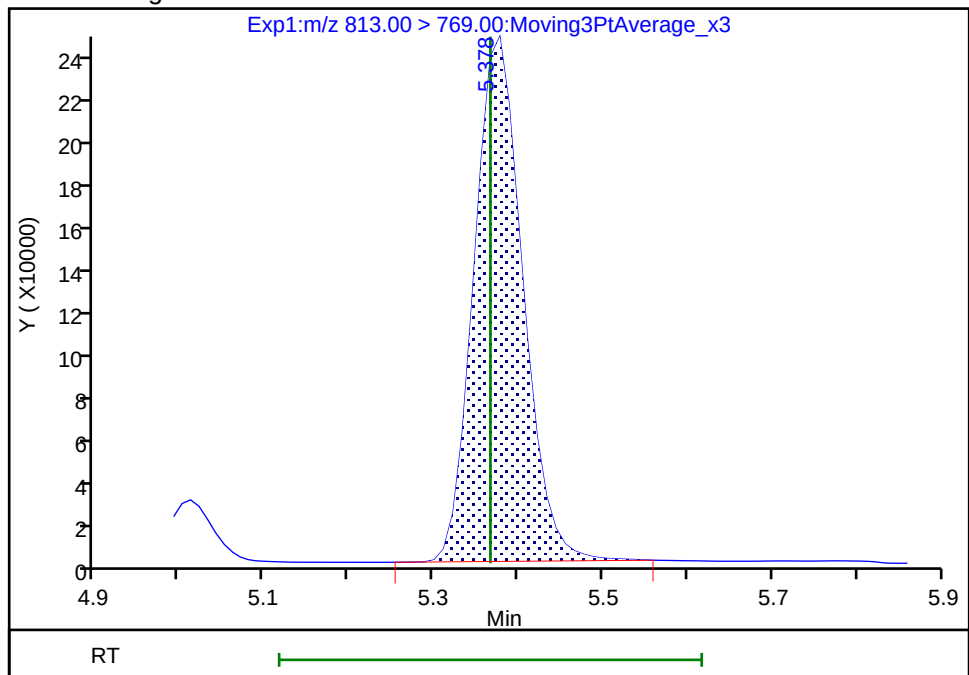
RT: 5.38
Area: 983409
Amount: 0.501394
Amount Units: ng/ml

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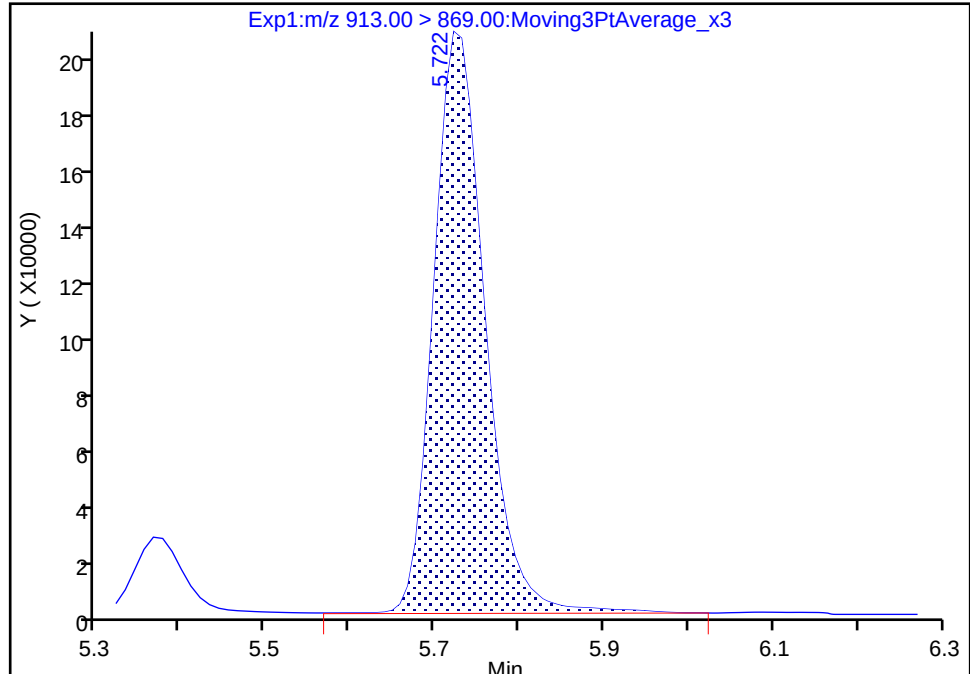
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

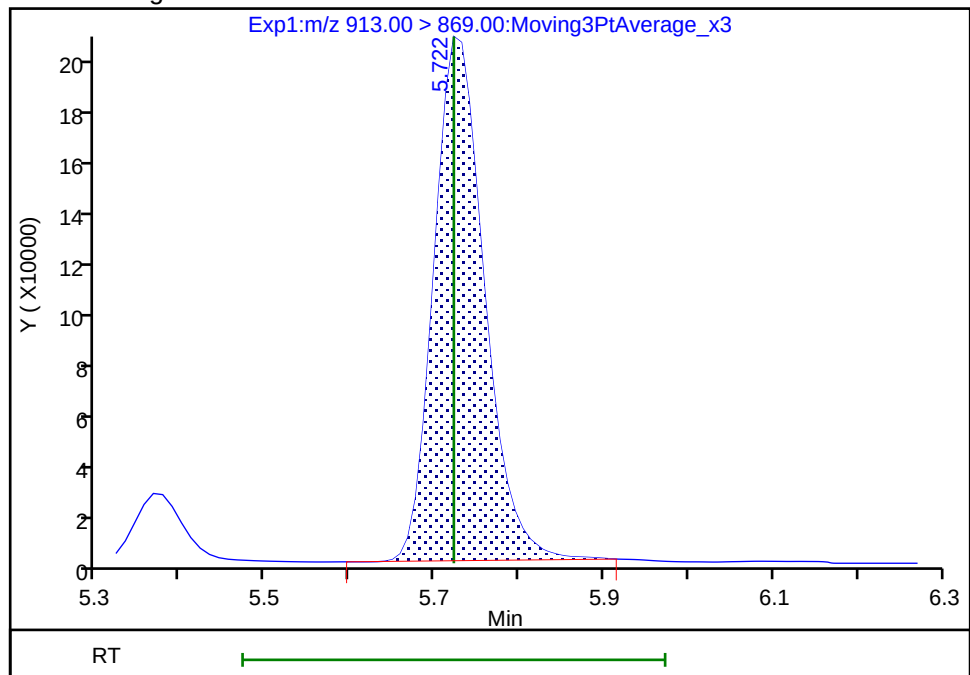
RT: 5.72
Area: 870066
Amount: 0.534447
Amount Units: ng/ml

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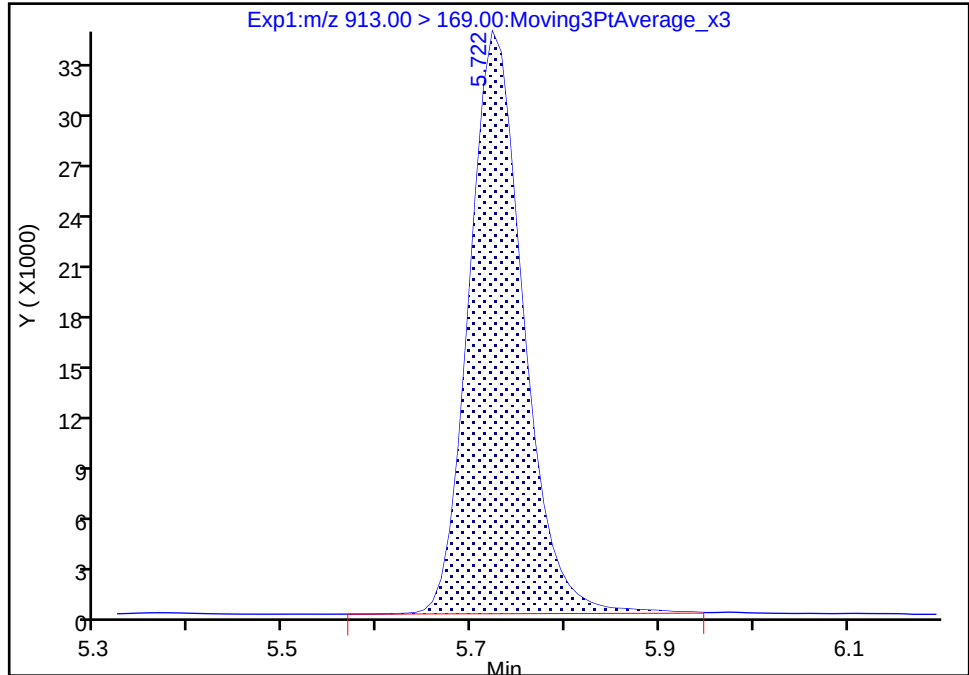
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL07.d
Injection Date: 18-Nov-2022 14:46:15 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

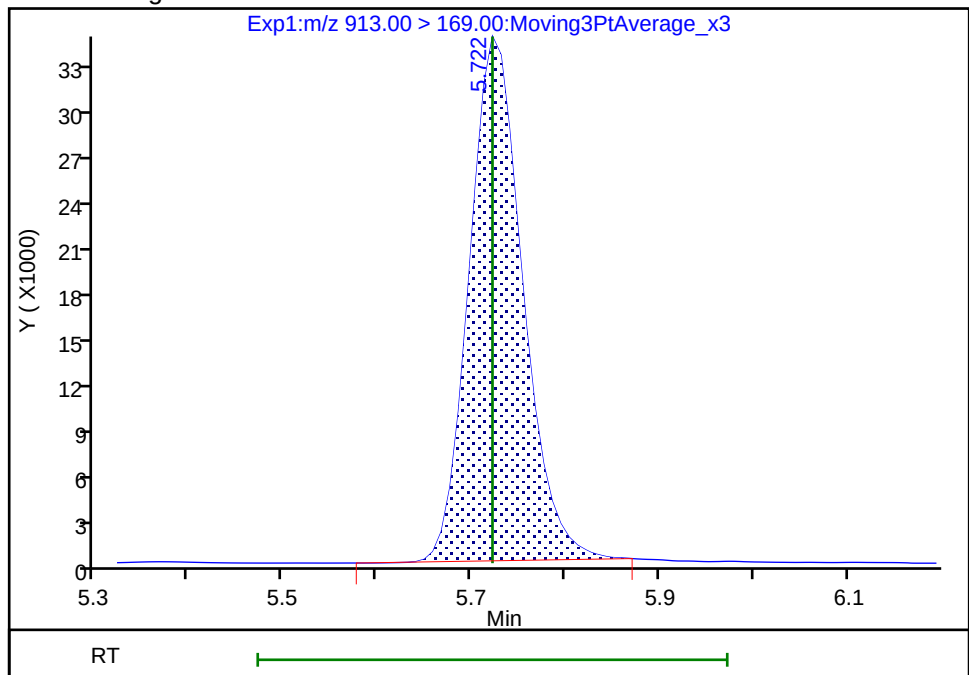
RT: 5.72
Area: 136693
Amount: 0.534447
Amount Units: ng/ml

Processing Integration Results



RT: 5.72
Area: 133969
Amount: 0.550699
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:03:23

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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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

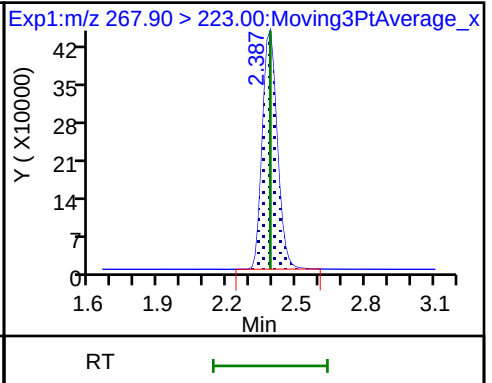
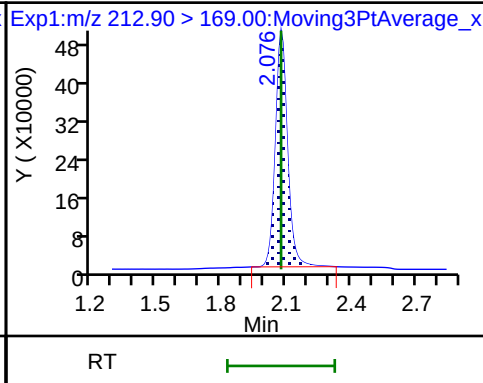
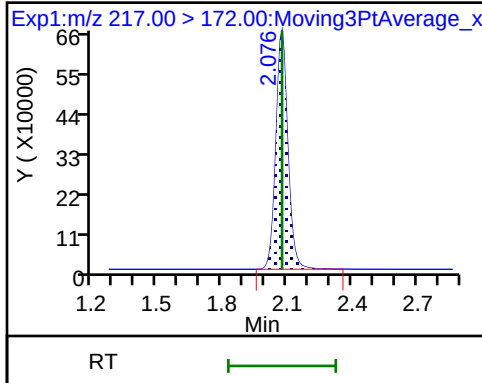
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

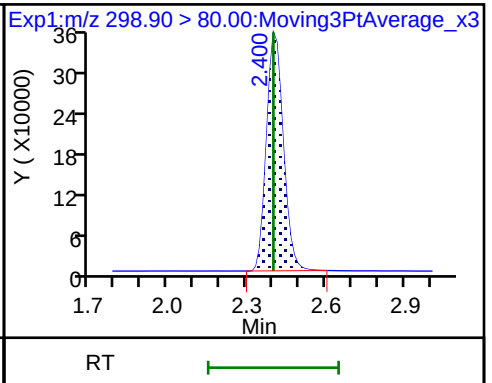
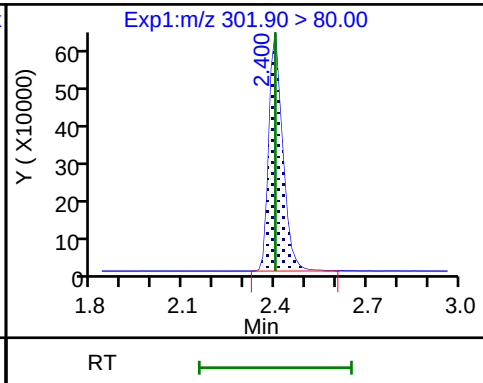
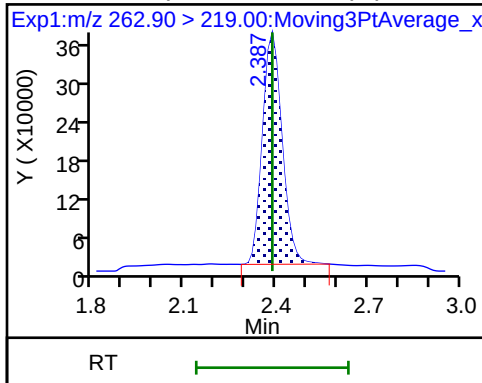
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

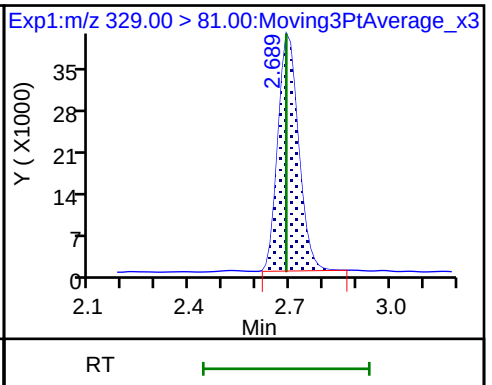
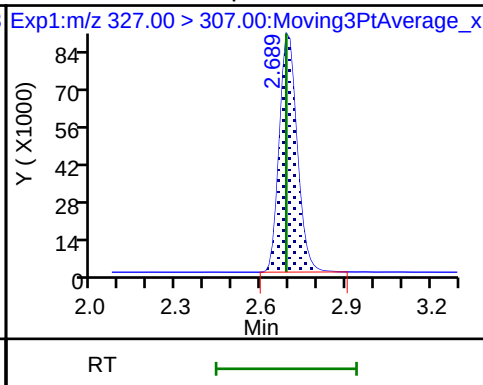
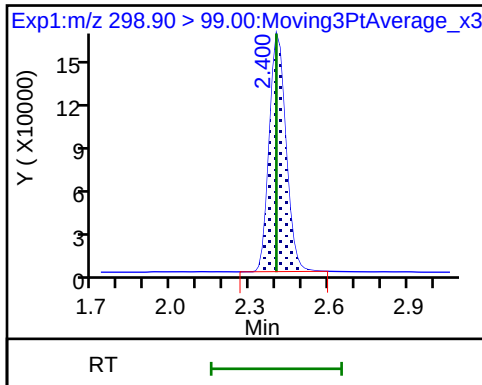
D 47 13C3 PFBS

5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid

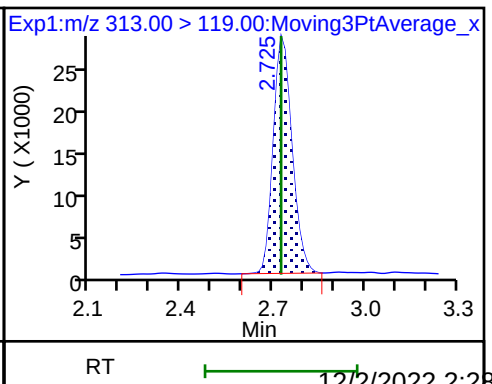
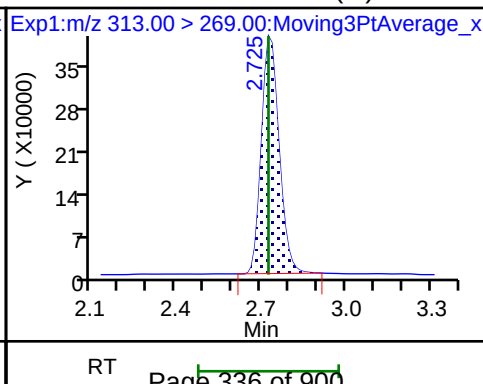
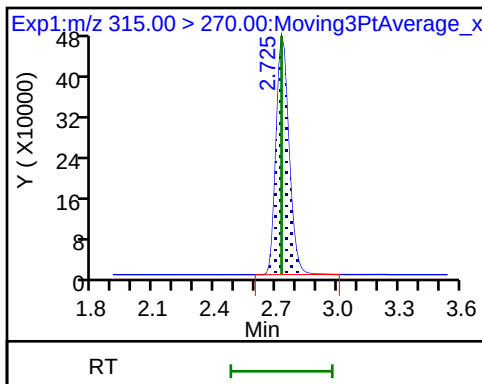
61 1H,1H,2H,2H-perfluorohexanesulfo D 60 M2-4:2 FTS

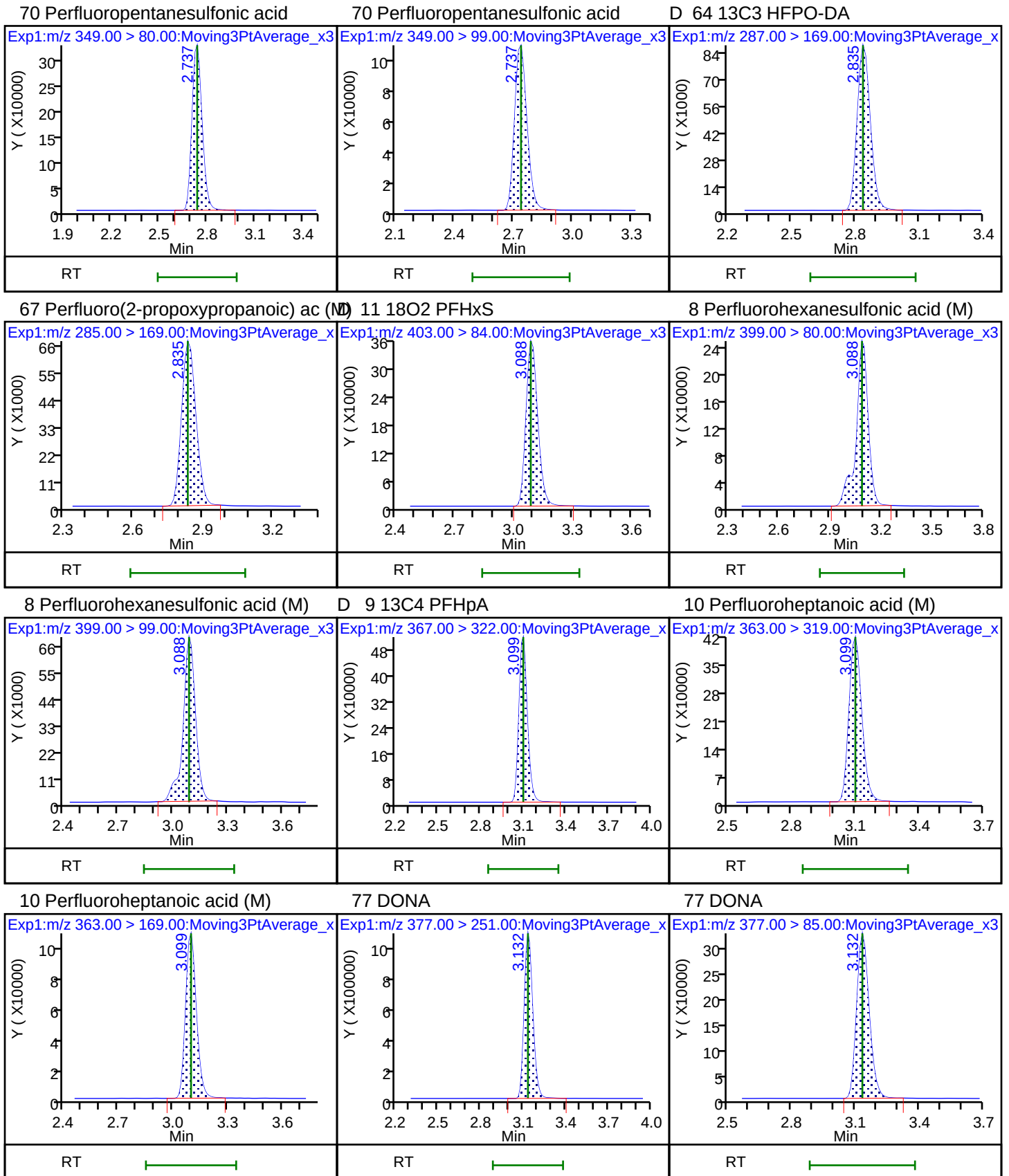


D 7 13C2 PFHxA

6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid

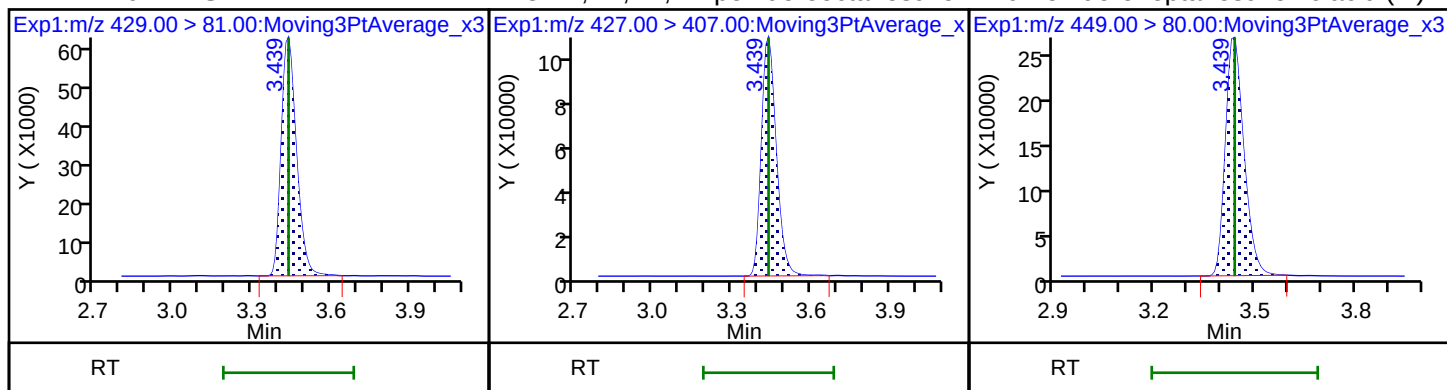




D 12 M2-6:2 FTS

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

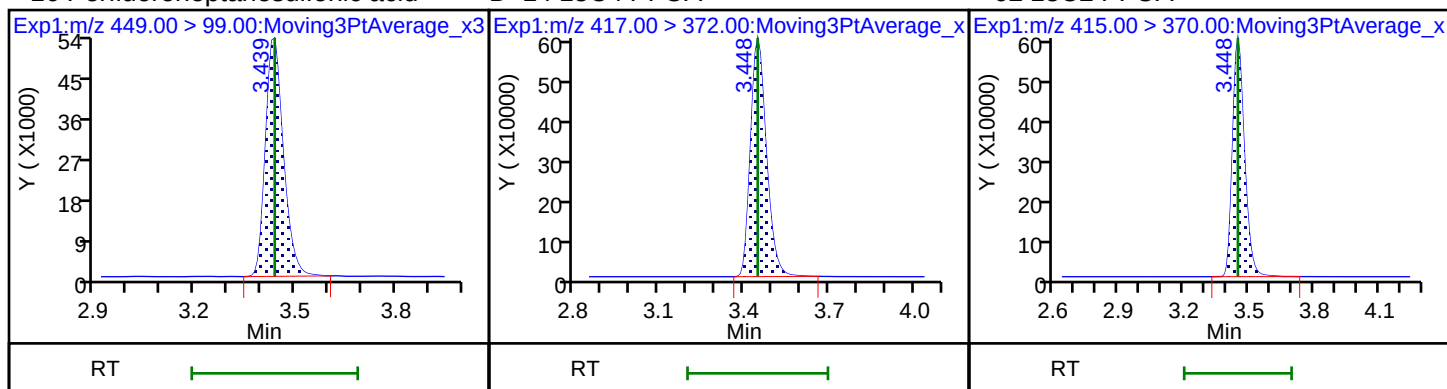
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid

D 14 13C4 PFOA

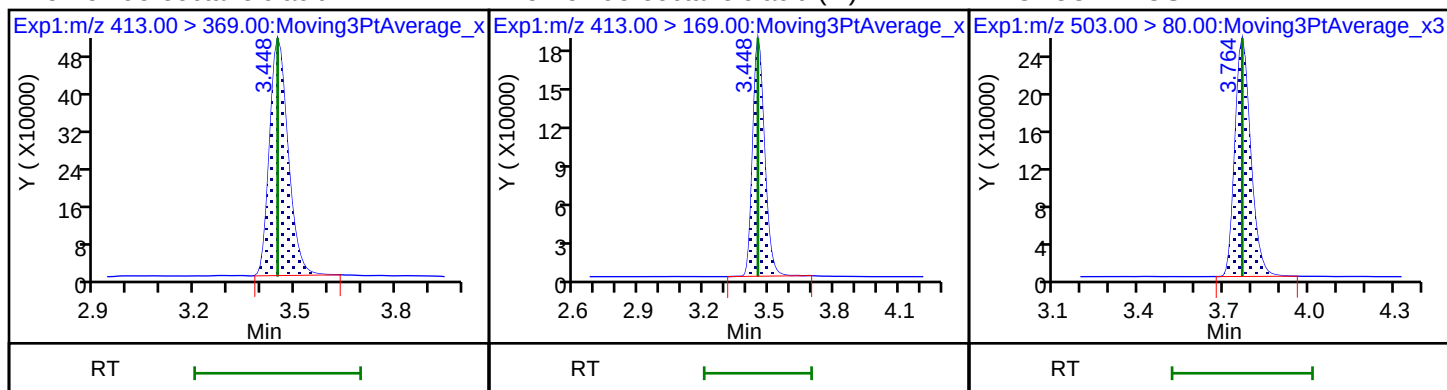
* 62 13C2 PFOA



15 Perfluorooctanoic acid

15 Perfluorooctanoic acid (M)

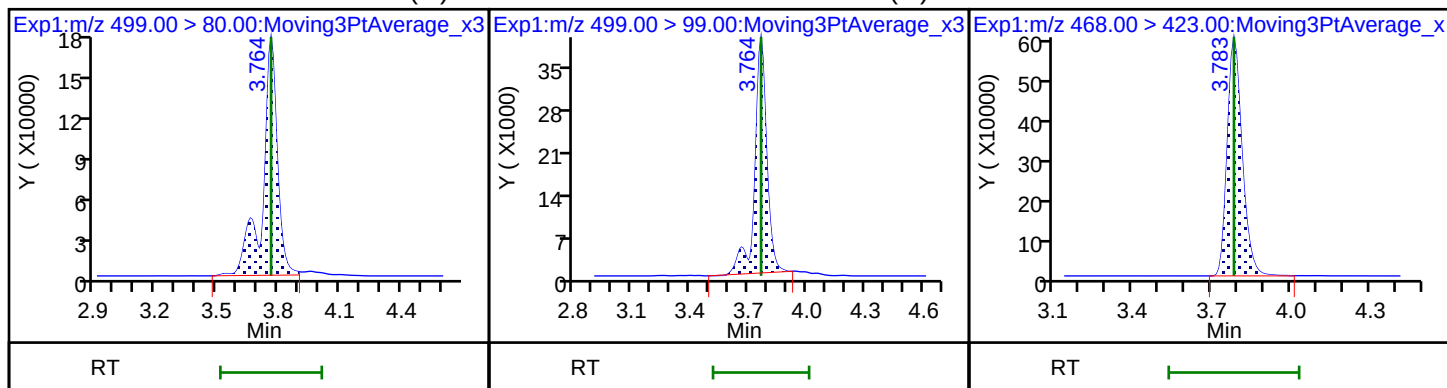
D 18 13C4 PFOS

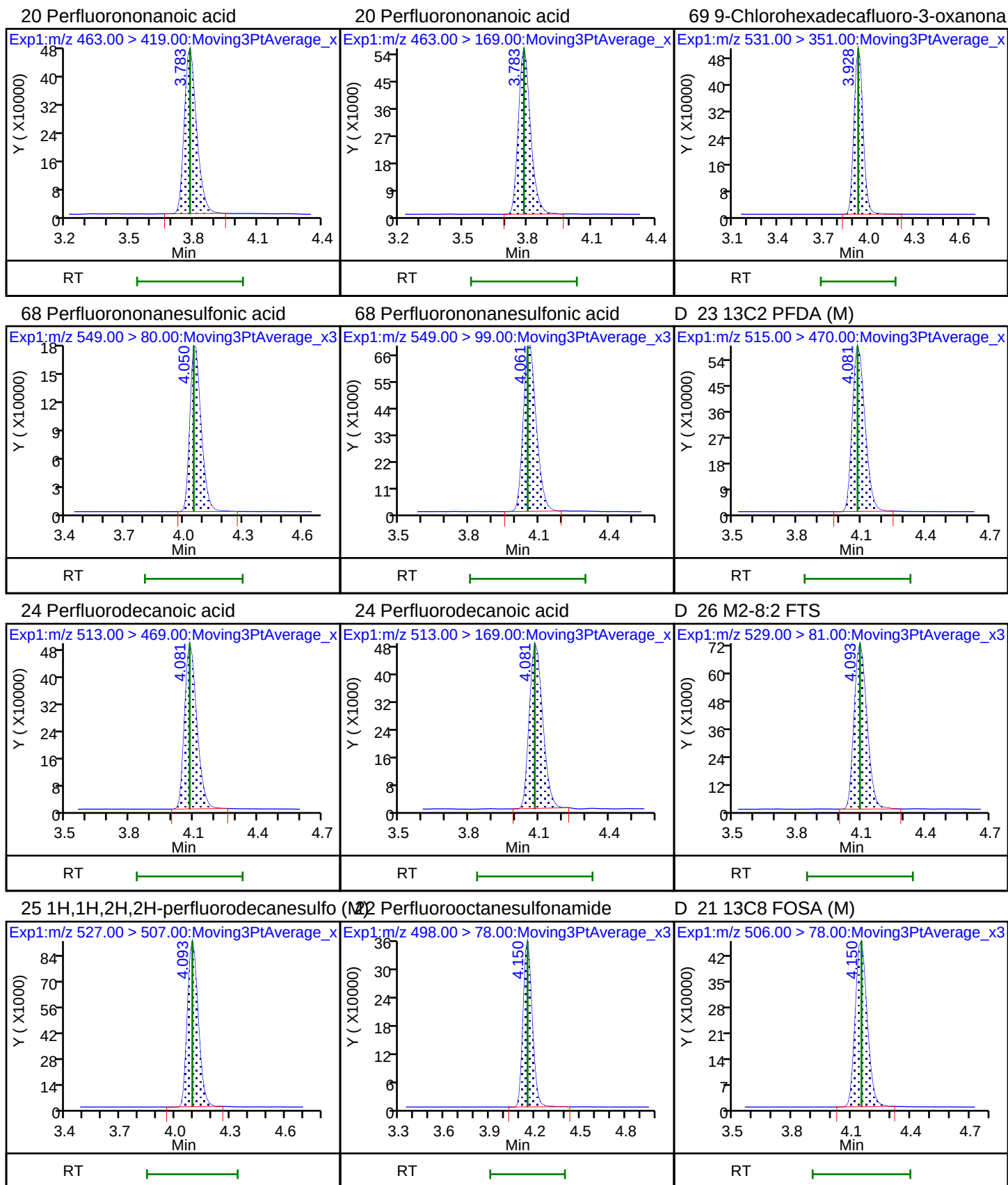


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

D 19 13C5 PFNA

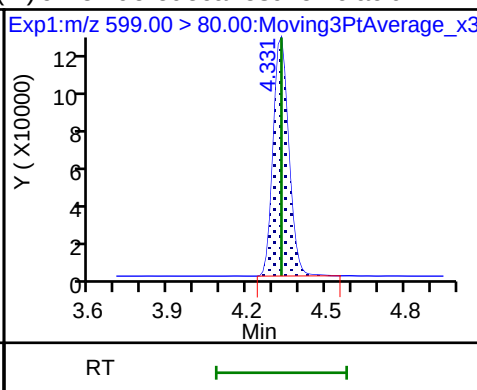
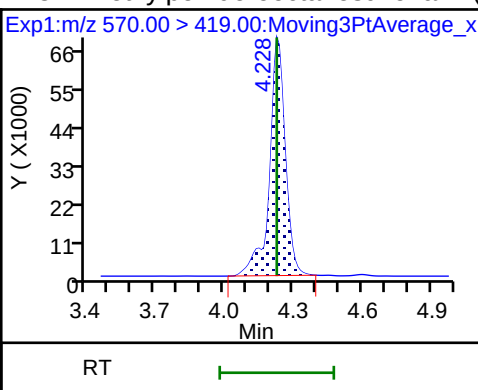
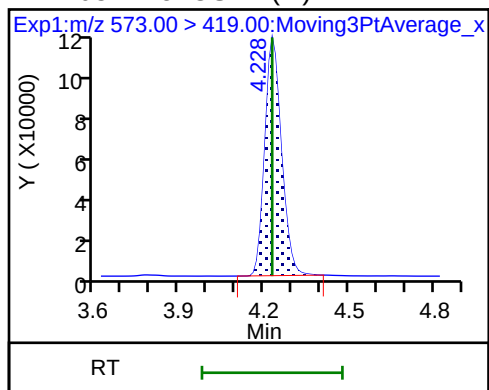




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

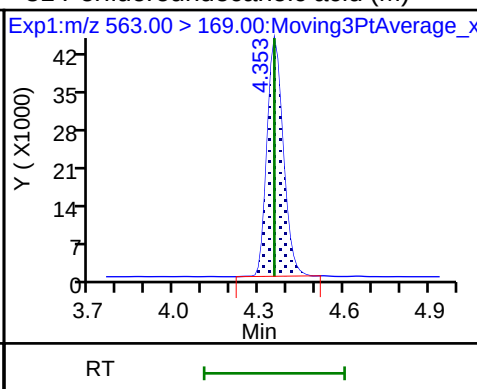
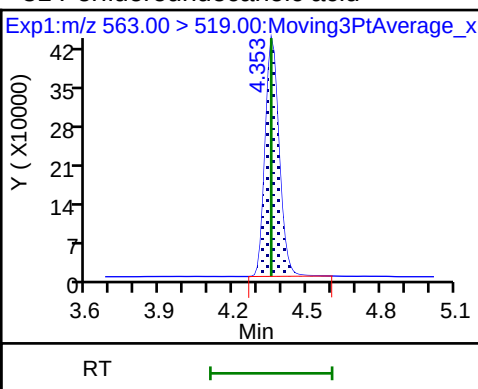
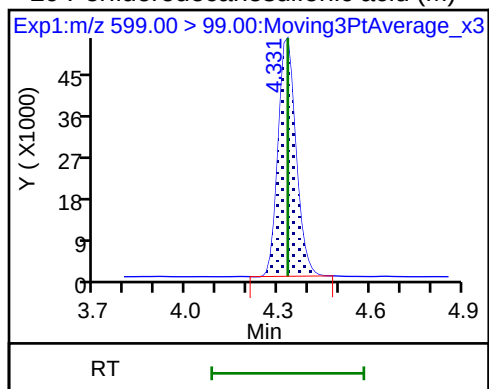
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid (M)

31 Perfluoroundecanoic acid

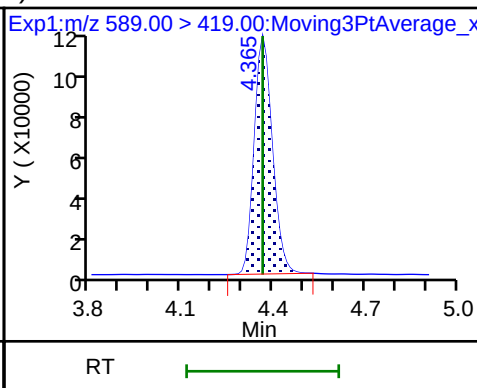
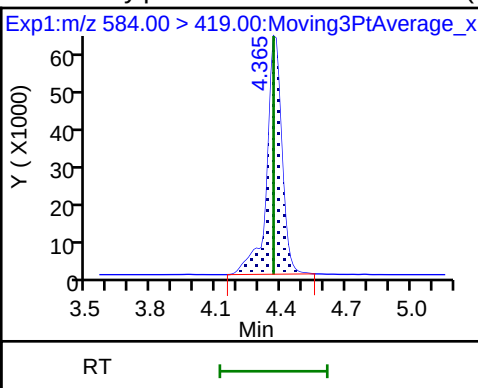
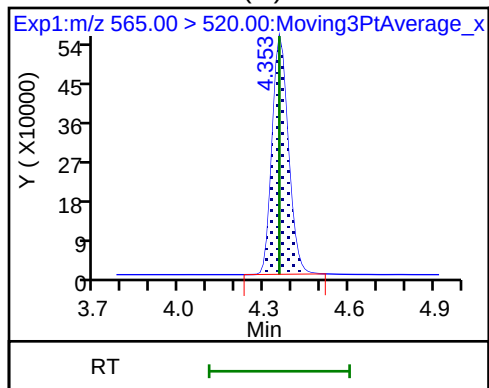
31 Perfluoroundecanoic acid (M)



D 30 13C2 PFUnA (M)

33 N-ethylperfluorooctanesulfonamid (M)

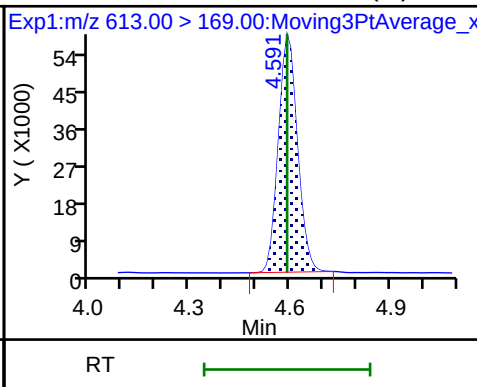
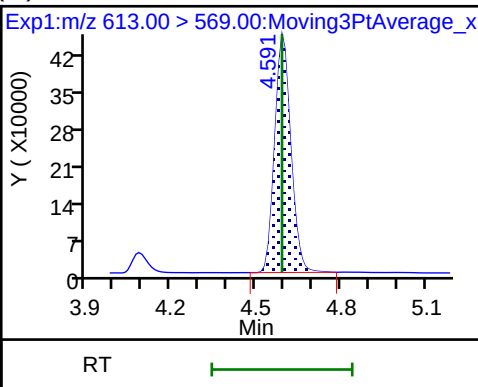
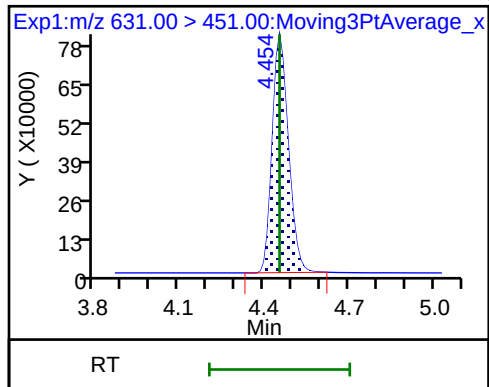
32 d5-NEtFOSAA



66 11-Chloroeicosafluoro-3-oxaundec (M)

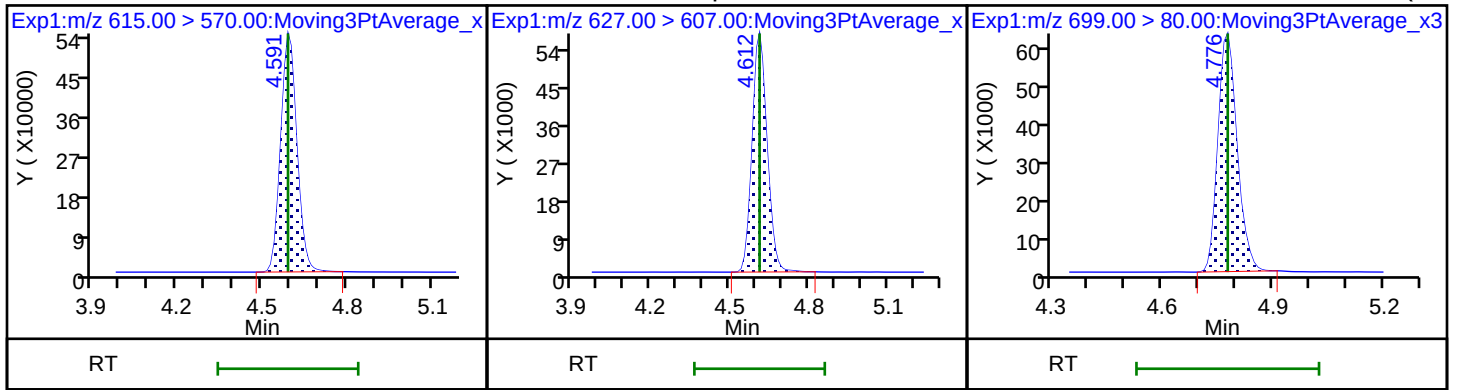
37 Perfluorododecanoic acid

37 Perfluorododecanoic acid (M)



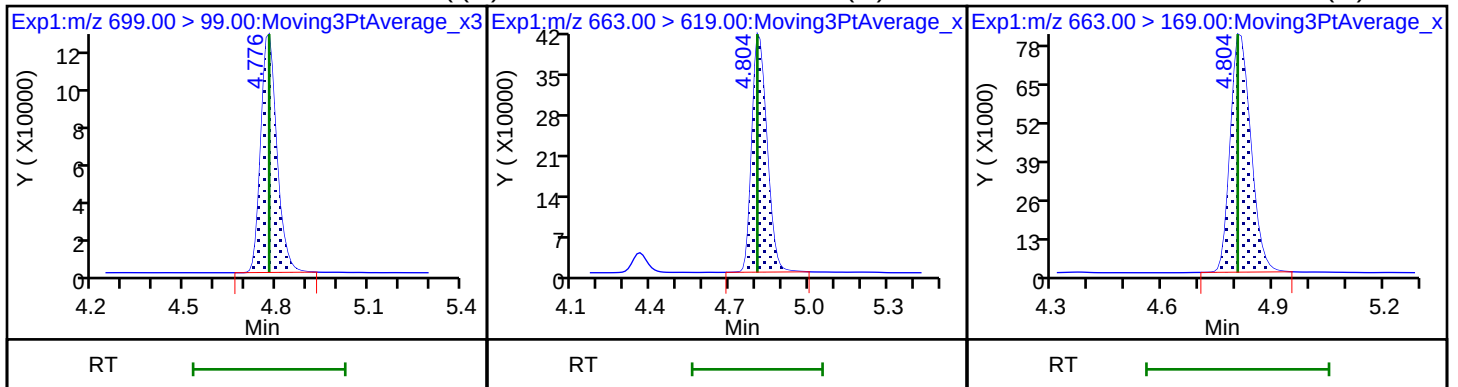
D 36 13C2 PFD0A

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



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

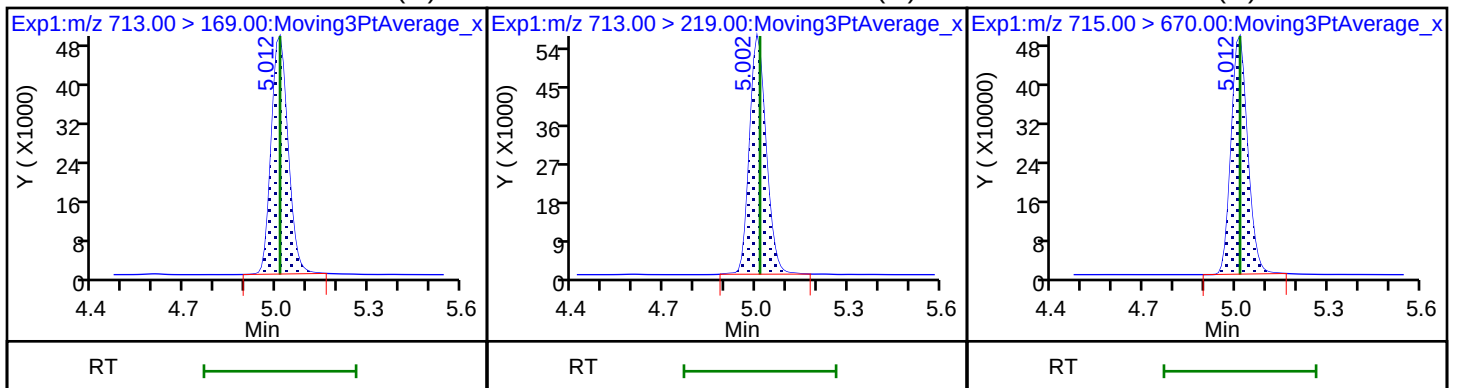
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

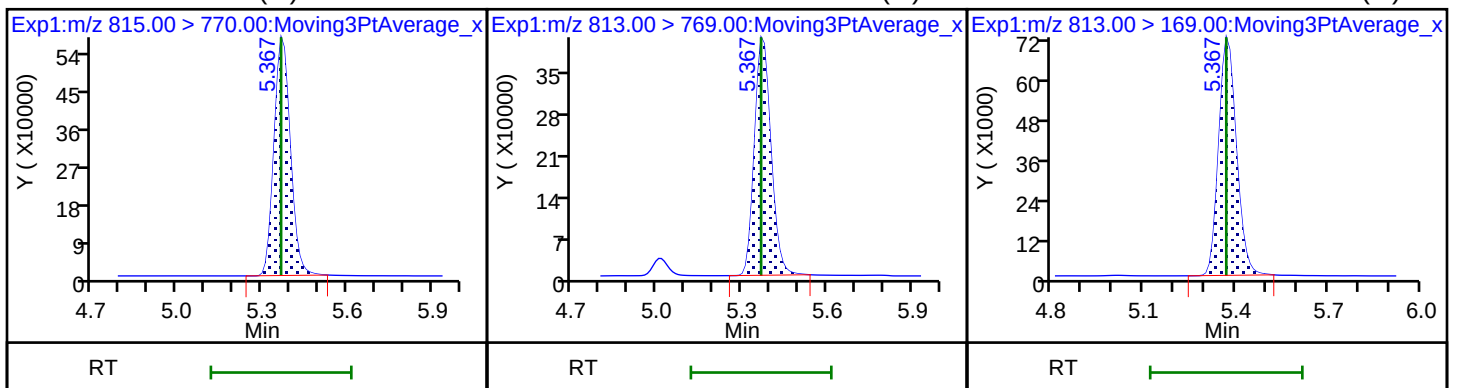
D 43 13C2 PFTeDA (M)



D 44 13C2 PFHxDA (M)

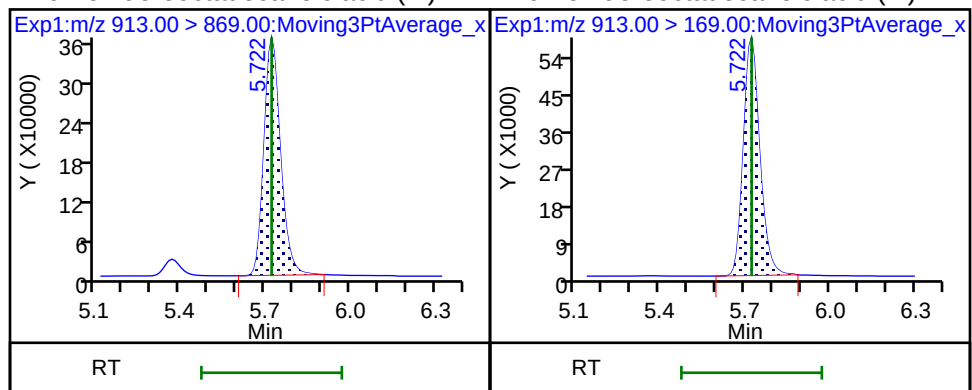
45 Perfluorohexadecanoic acid (M)

45 Perfluorohexadecanoic acid (M)



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



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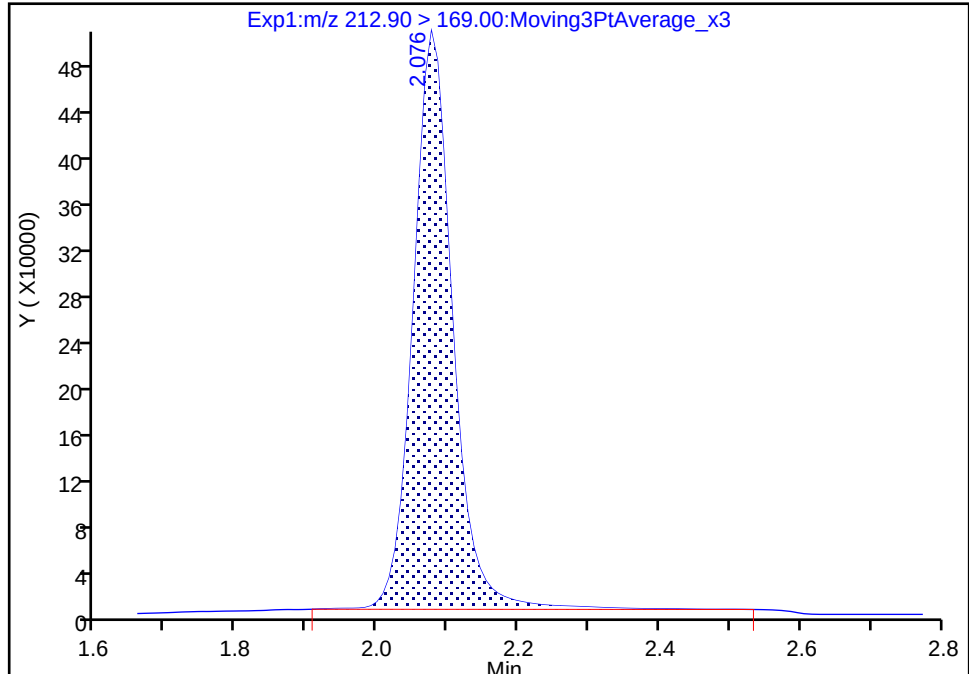
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

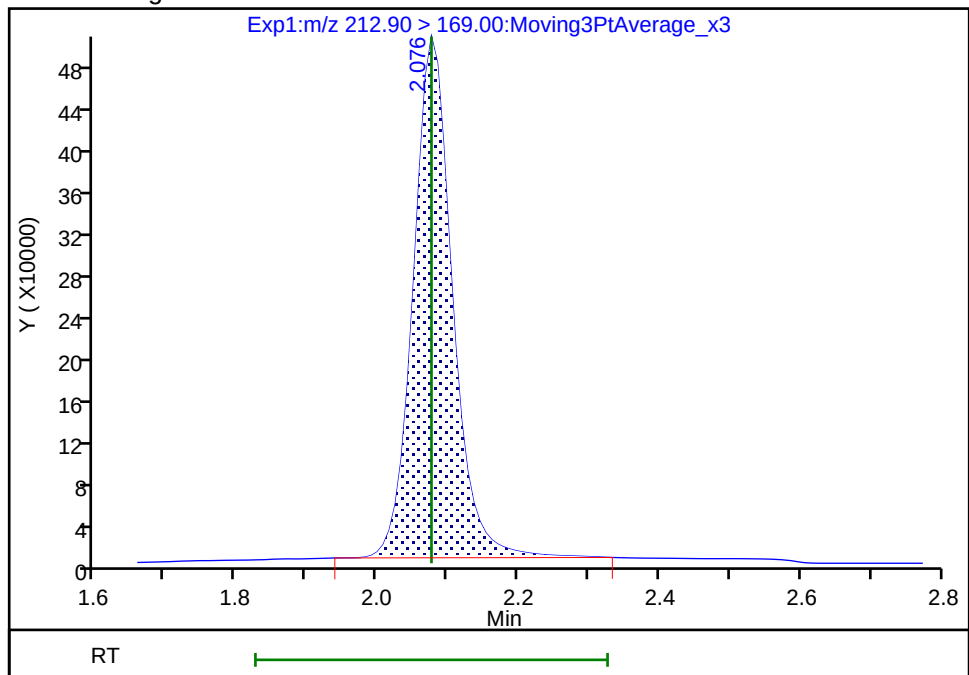
RT: 2.08
Area: 1938856
Amount: 0.884944
Amount Units: ng/ml

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
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PM

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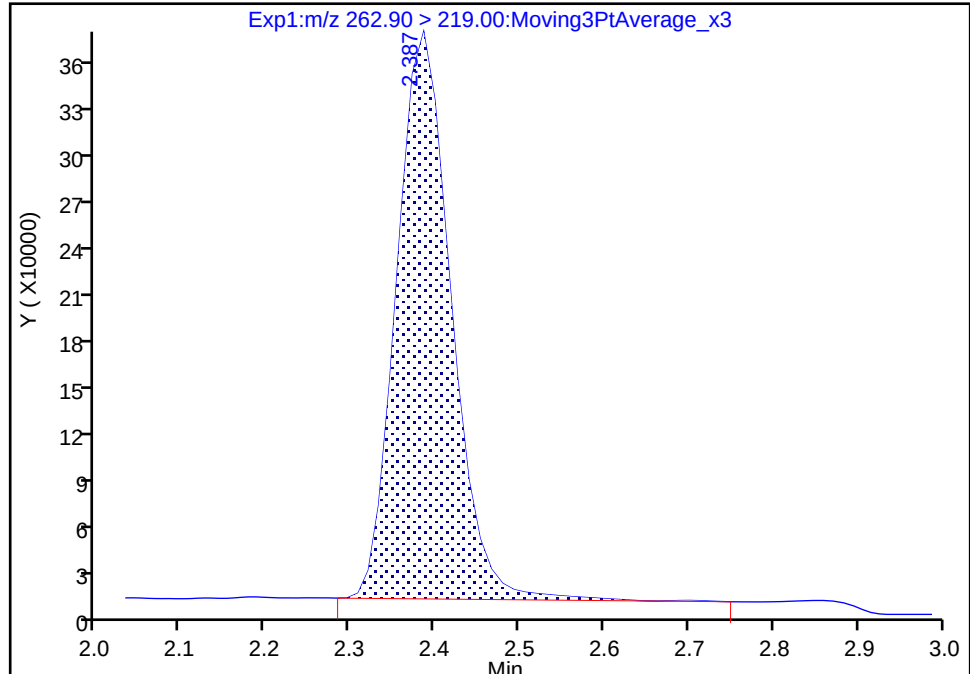
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

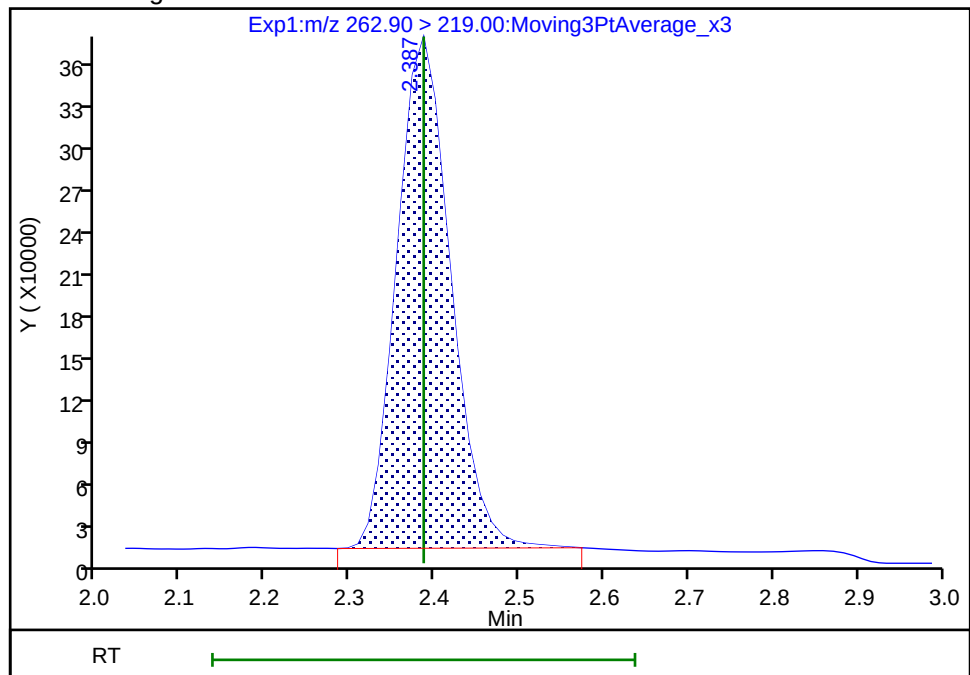
RT: 2.39
Area: 1625686
Amount: 0.903106
Amount Units: ng/ml

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
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Eurofins Burlington

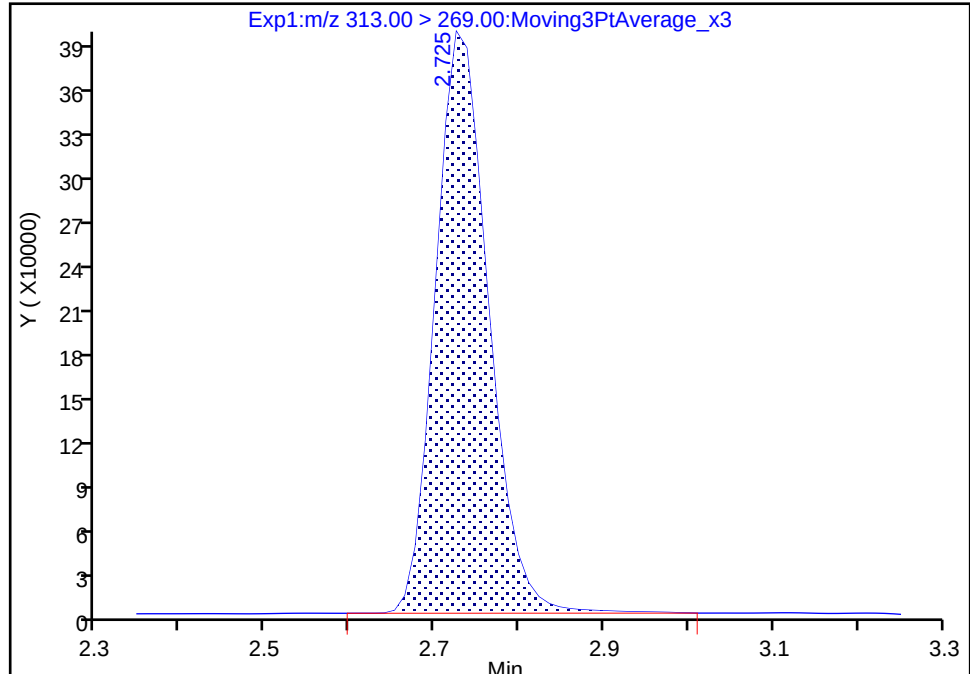
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Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm)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

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

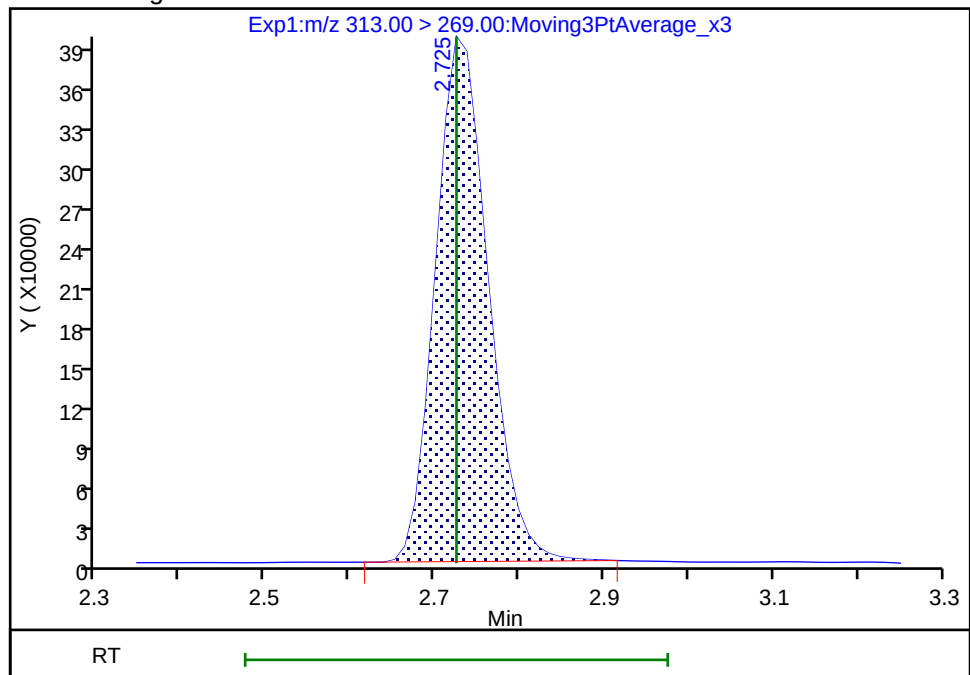
RT: 2.73
Area: 1717760
Amount: 0.925315
Amount Units: ng/ml

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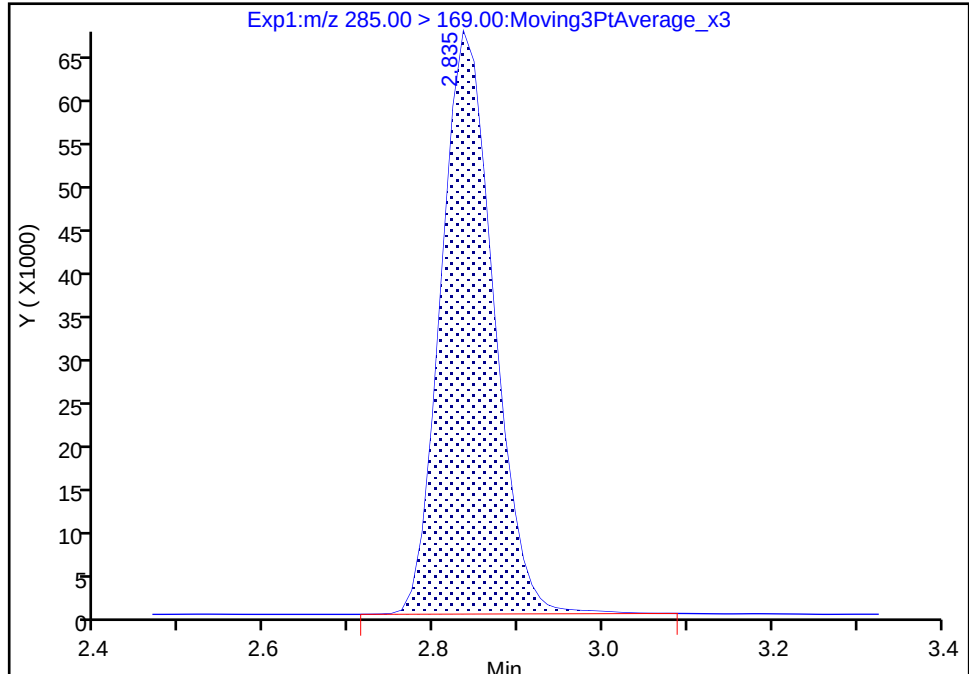
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Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm)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

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

Signal: 1

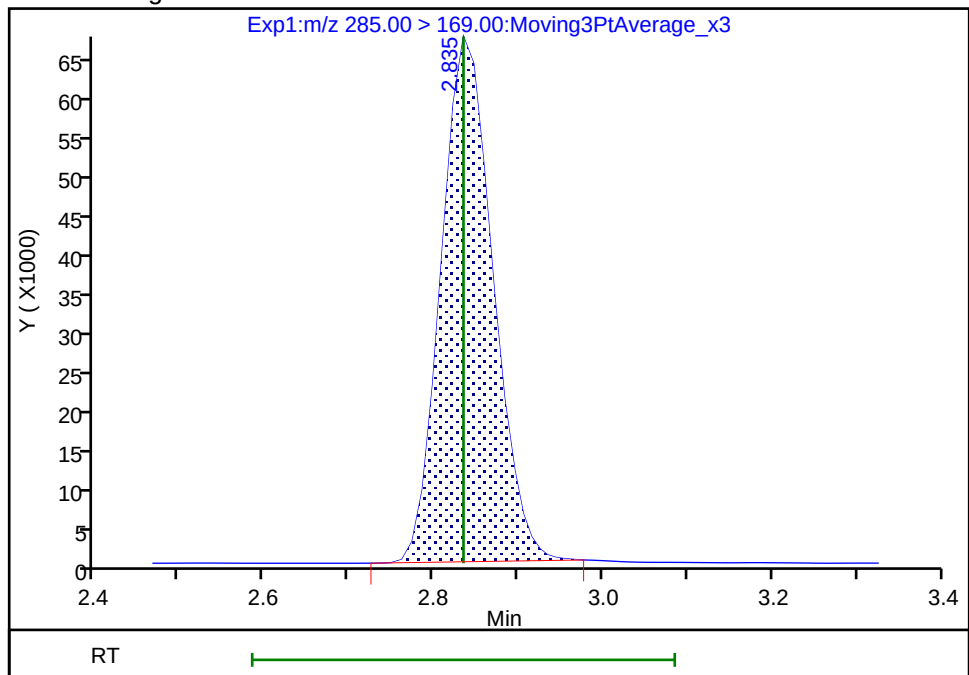
RT: 2.83
Area: 290381
Amount: 0.890585
Amount Units: ng/ml

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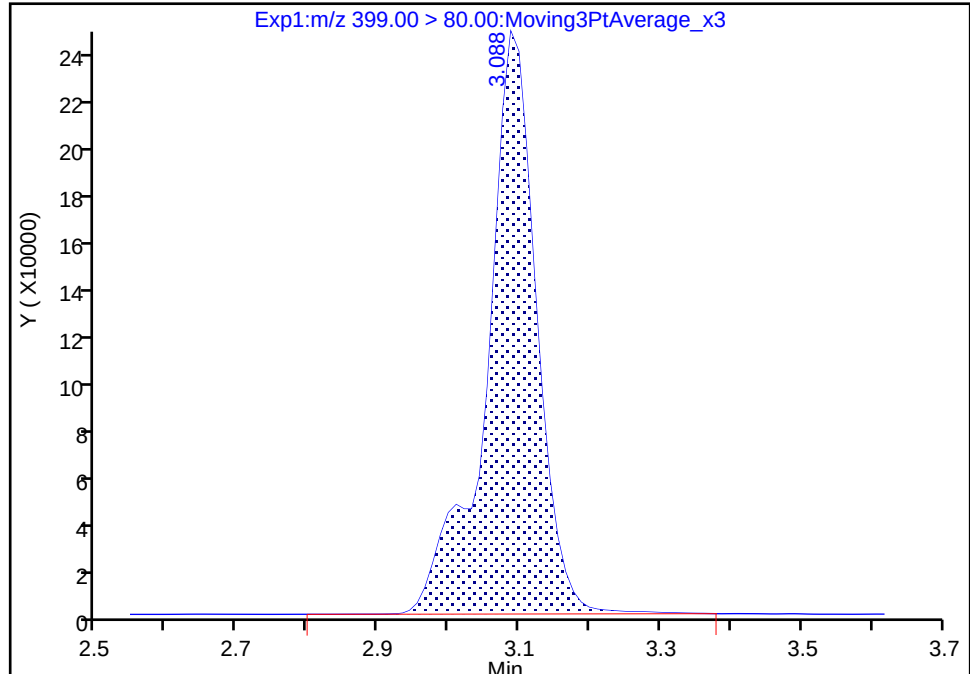
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

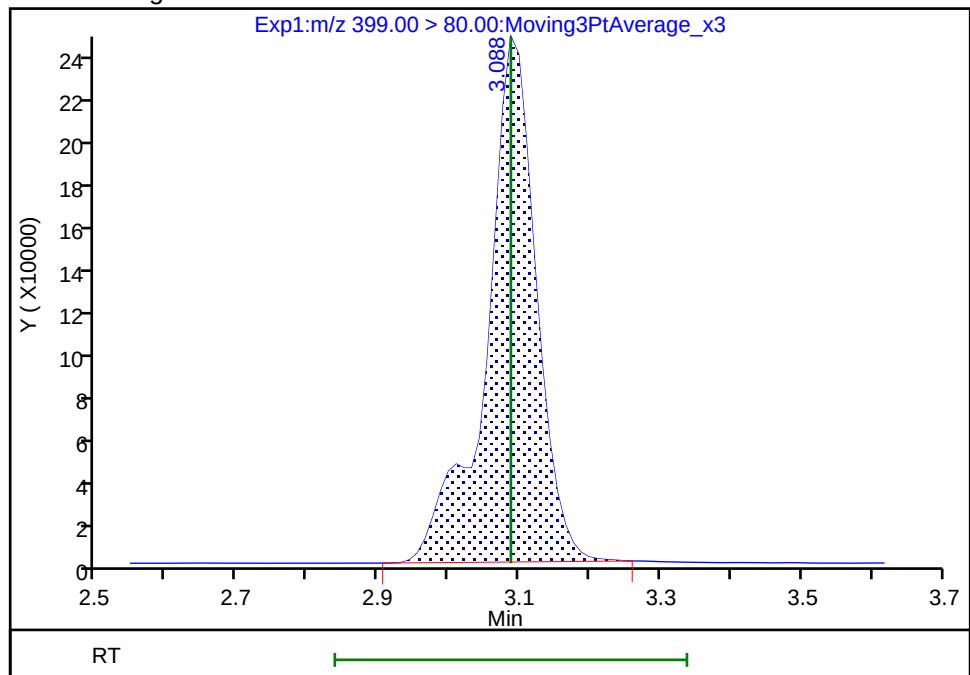
RT: 3.09
Area: 1192403
Amount: 0.844733
Amount Units: ng/ml

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

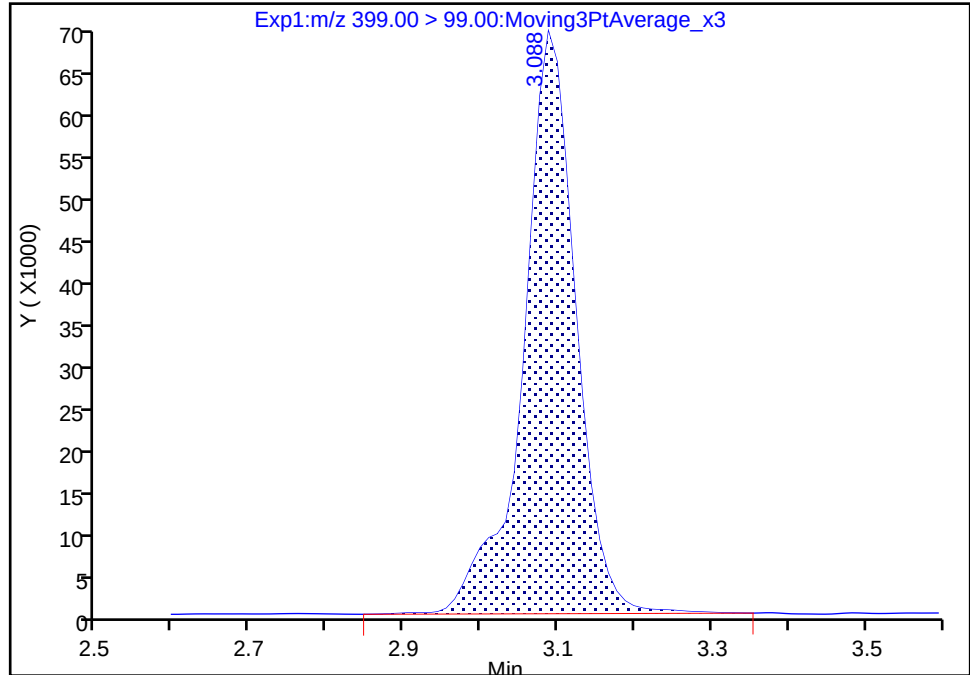
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

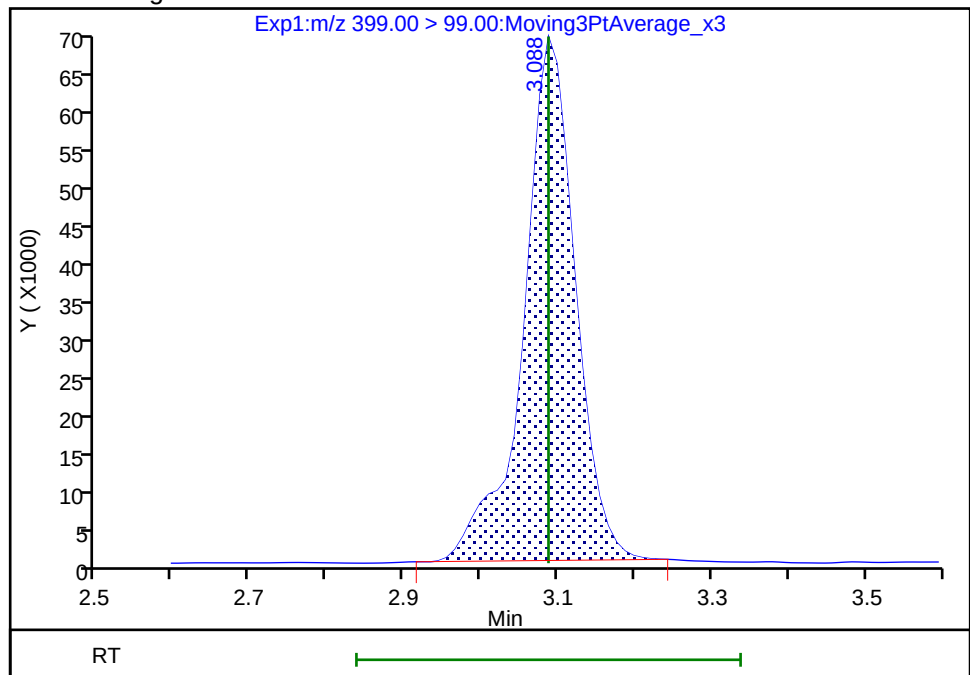
RT: 3.09
Area: 329620
Amount: 0.844733
Amount Units: ng/ml

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
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Eurofins Burlington

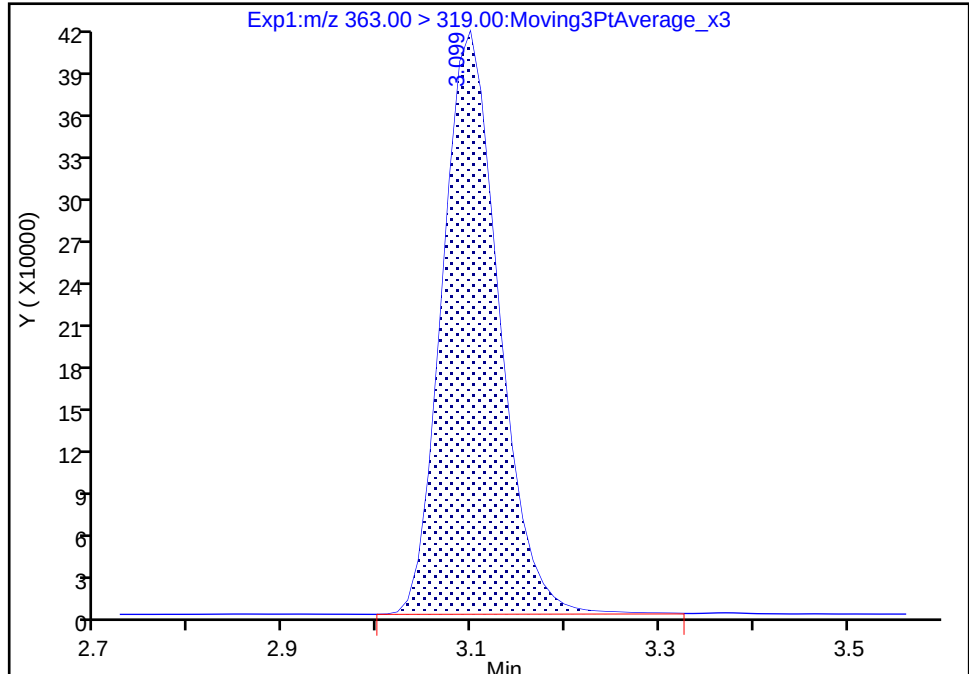
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Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm)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

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

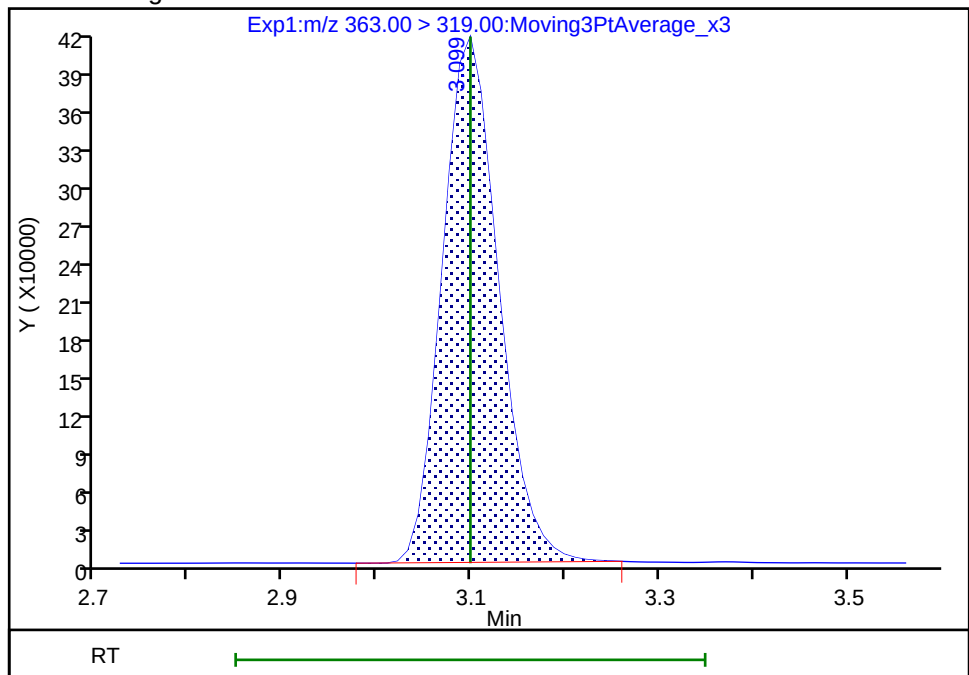
RT: 3.10
Area: 1732207
Amount: 0.896761
Amount Units: ng/ml

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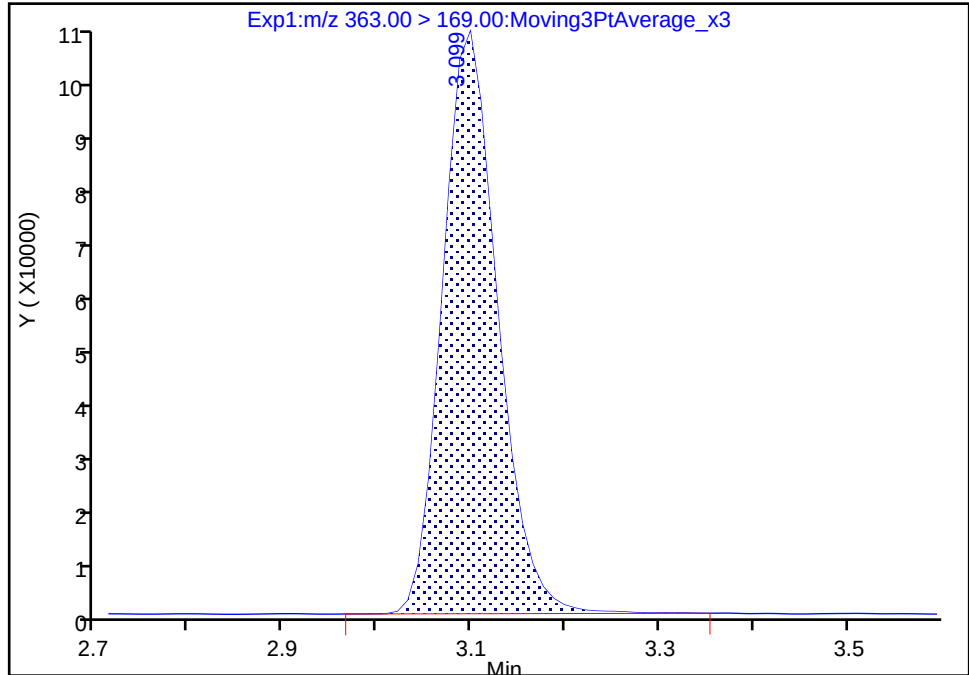
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

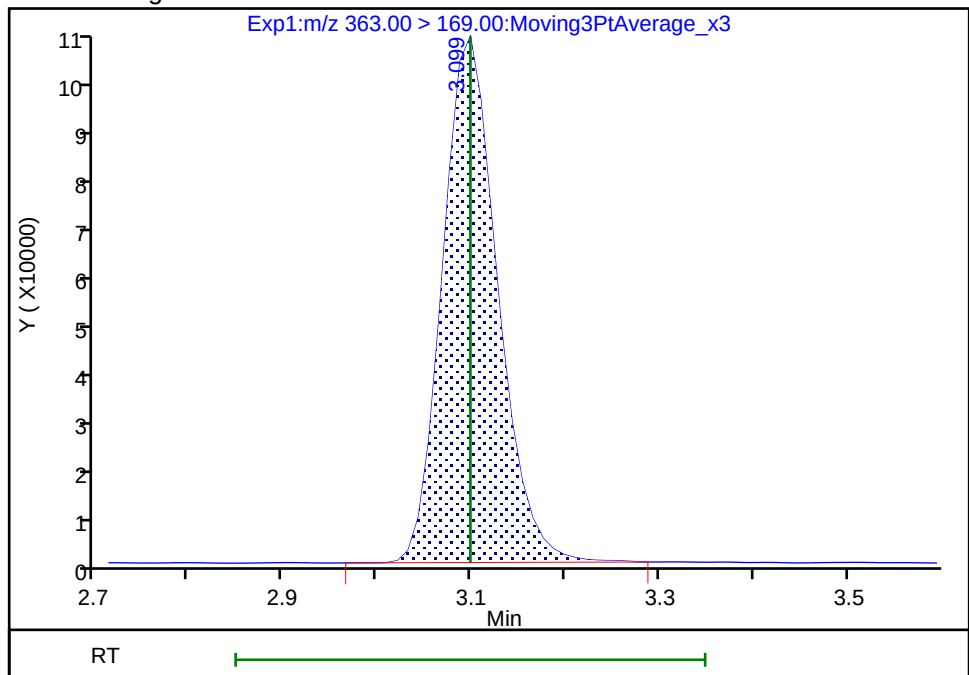
RT: 3.10
Area: 434169
Amount: 0.896761
Amount Units: ng/ml

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
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Eurofins Burlington

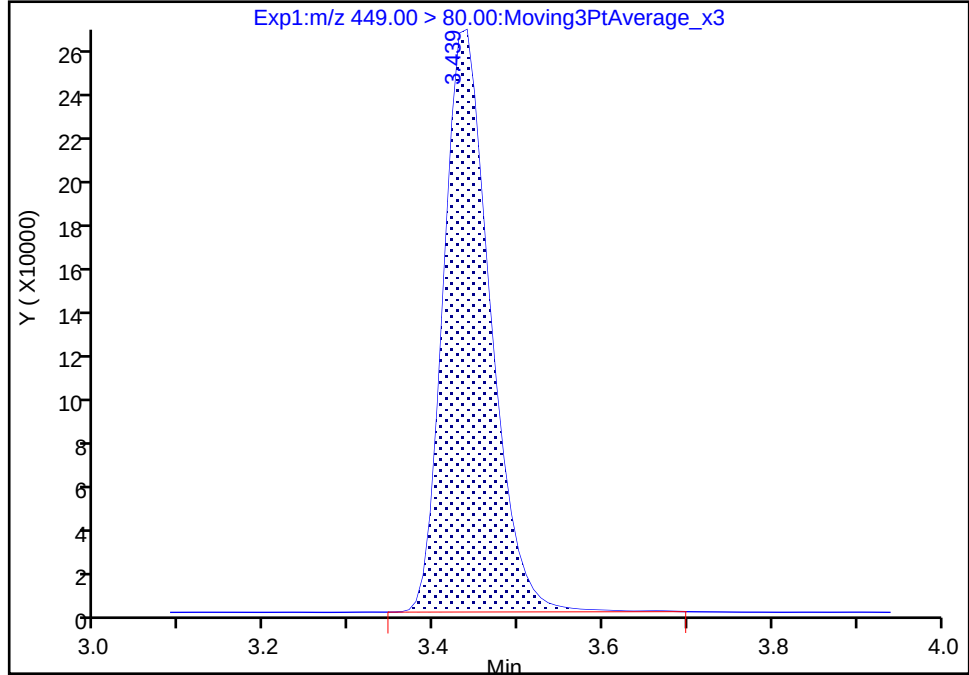
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Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm)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

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

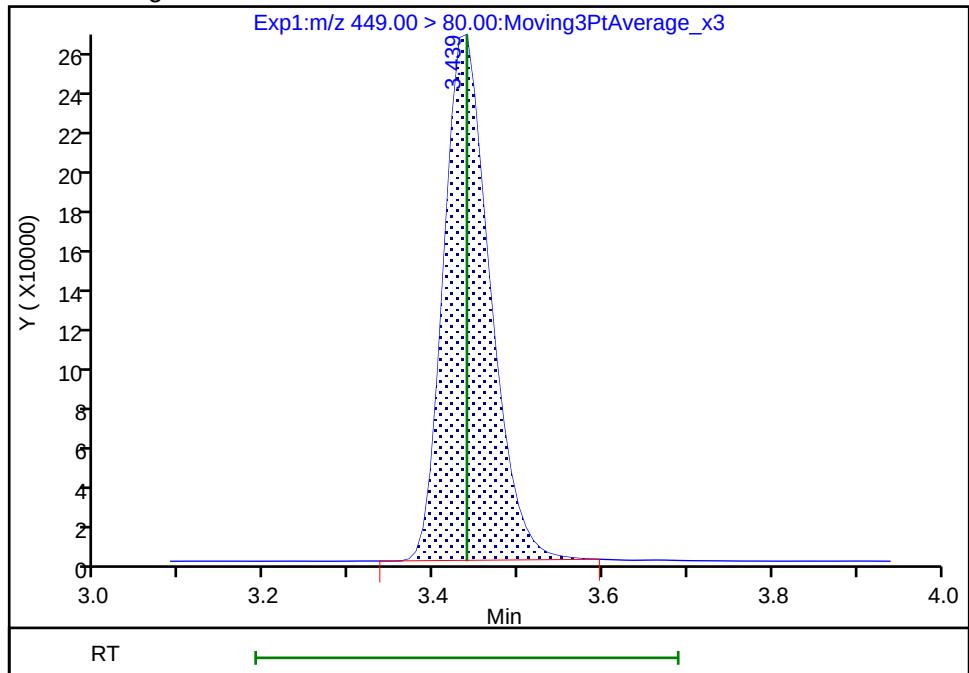
RT: 3.44
Area: 1029711
Amount: 0.878234
Amount Units: ng/ml

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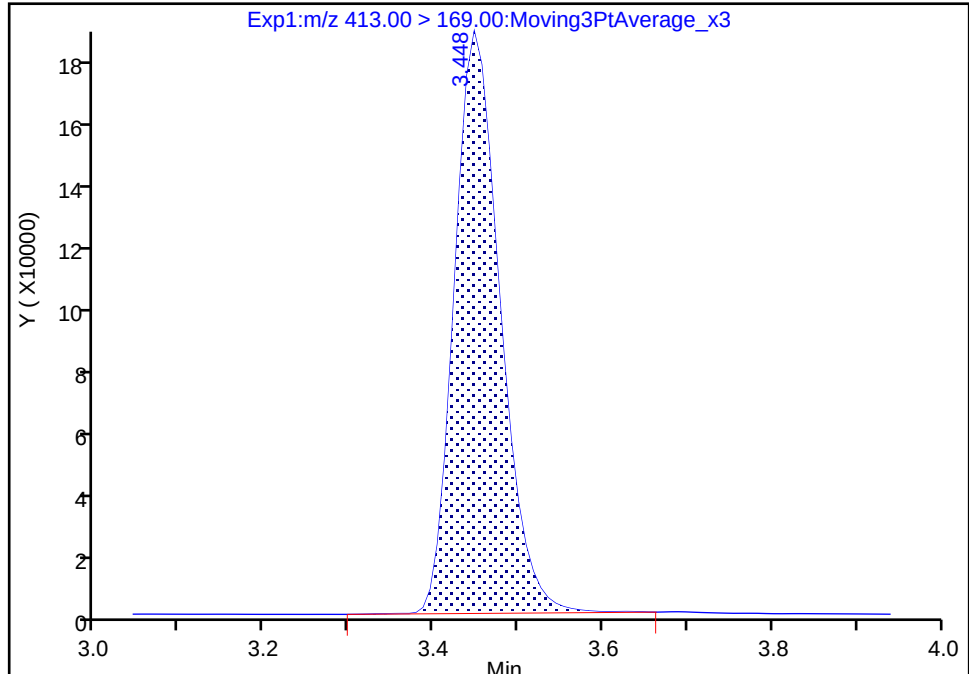
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

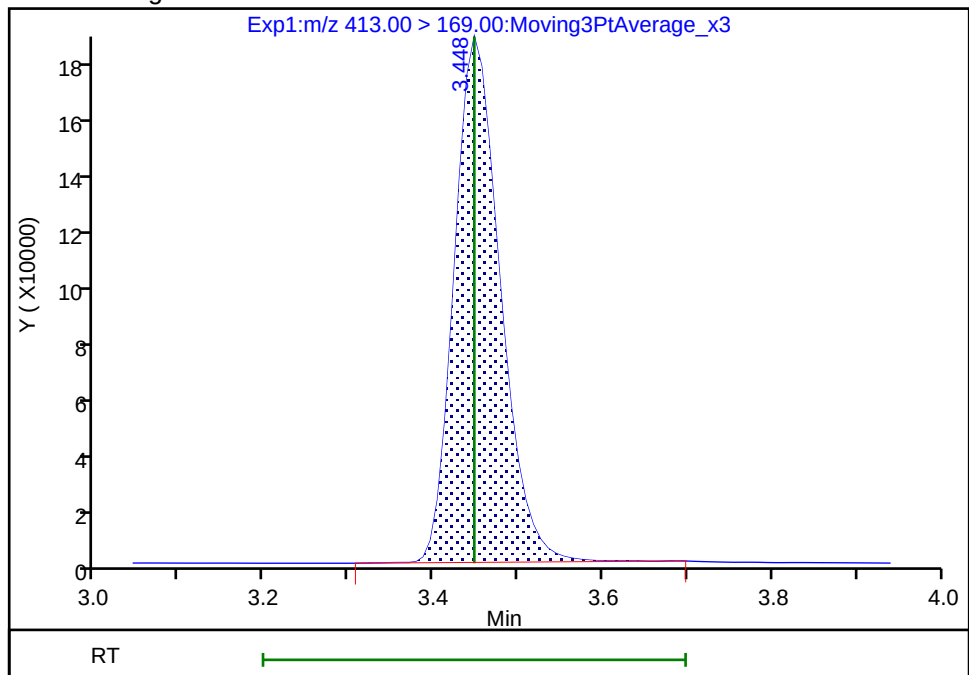
RT: 3.45
Area: 697013
Amount: 0.942395
Amount Units: ng/ml

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
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Eurofins Burlington

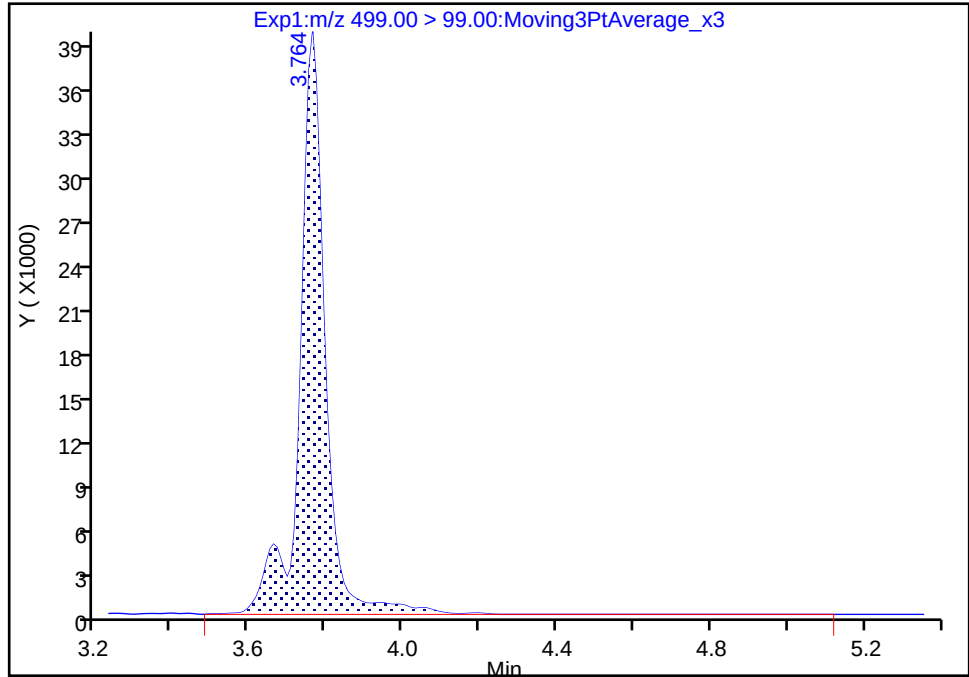
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

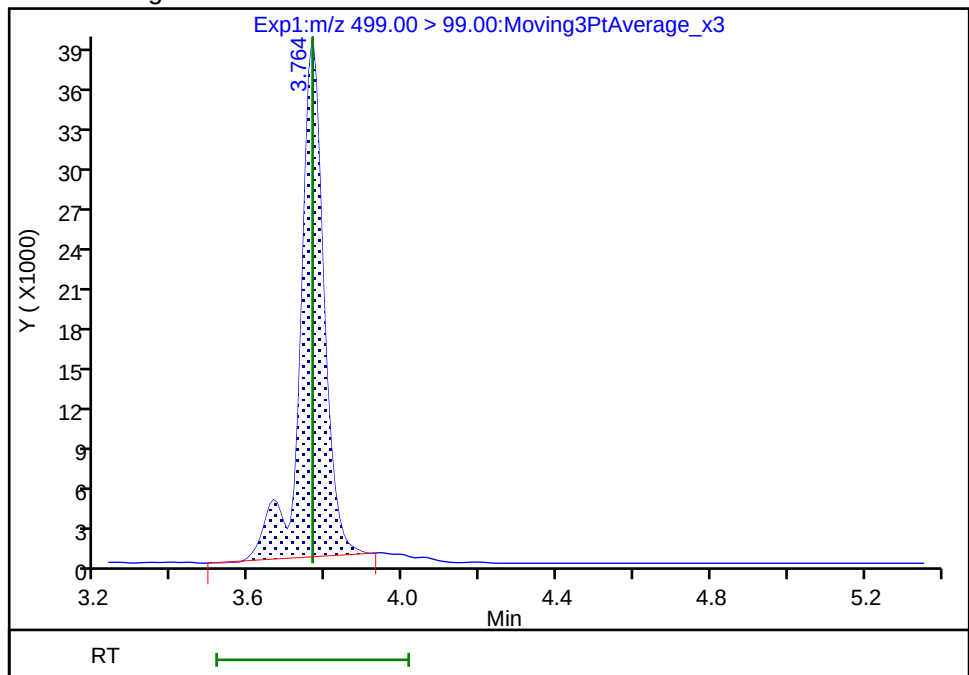
RT: 3.76
Area: 184243
Amount: 0.869089
Amount Units: ng/ml

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

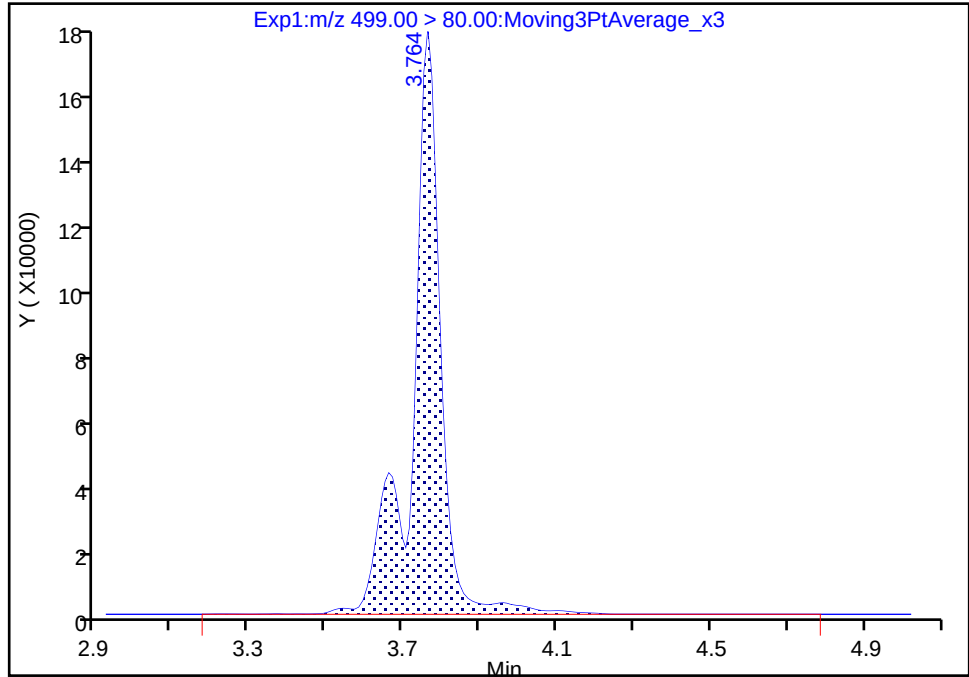
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Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm)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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

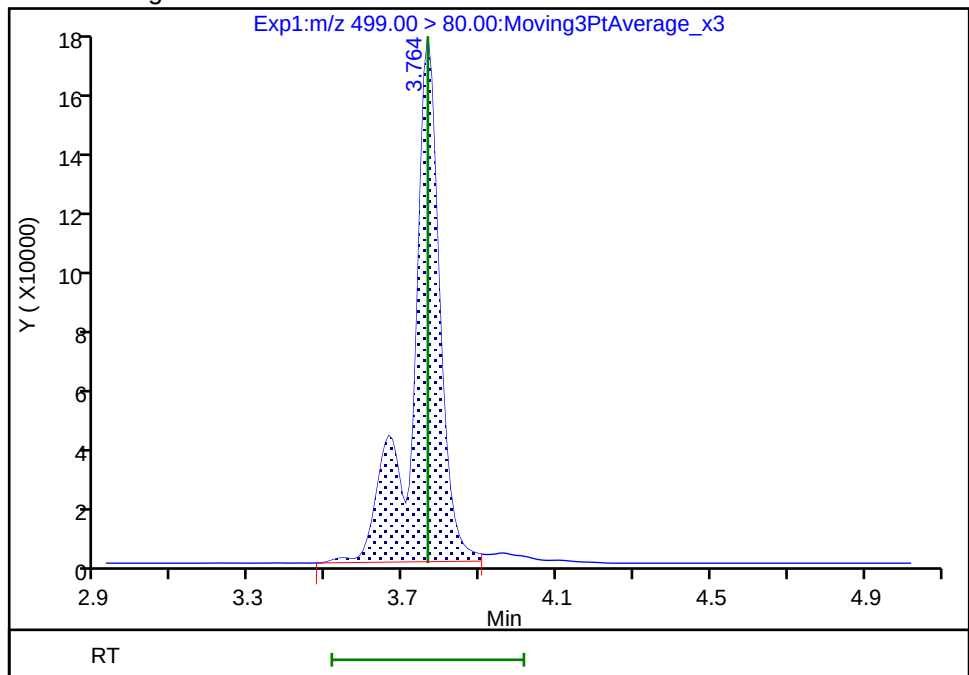
RT: 3.76
Area: 896764
Amount: 0.869089
Amount Units: ng/ml

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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Eurofins Burlington

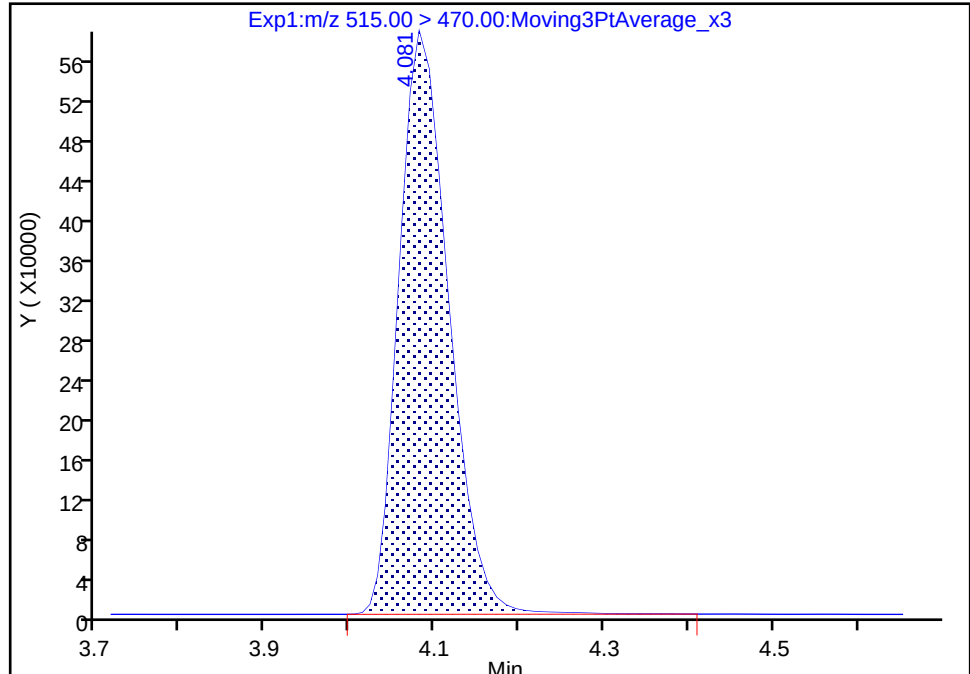
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Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm)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

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

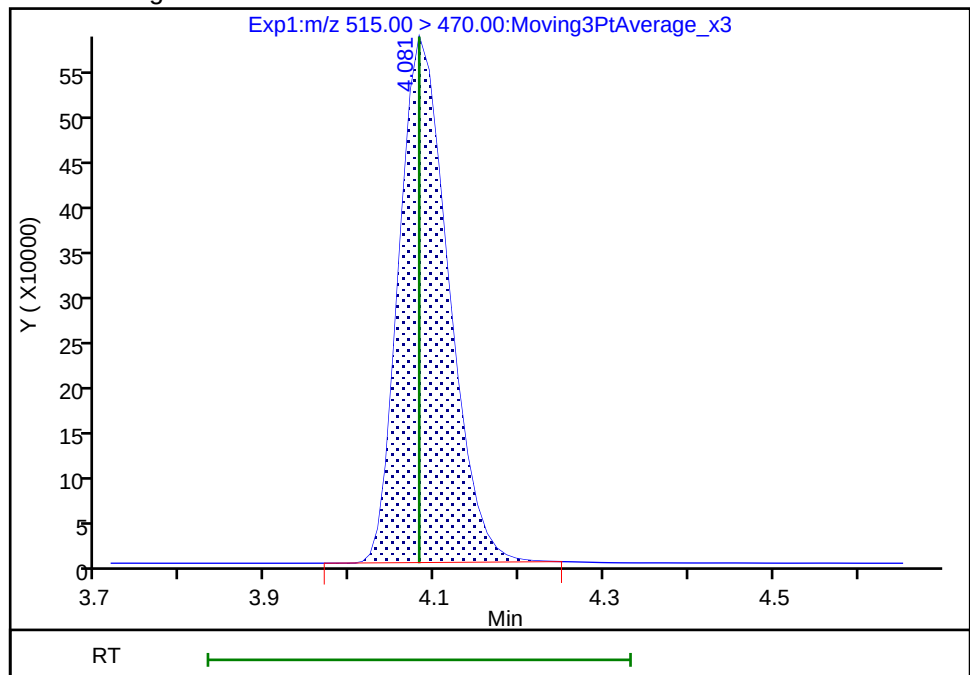
RT: 4.08
Area: 2402943
Amount: 1.278353
Amount Units: ng/ml

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

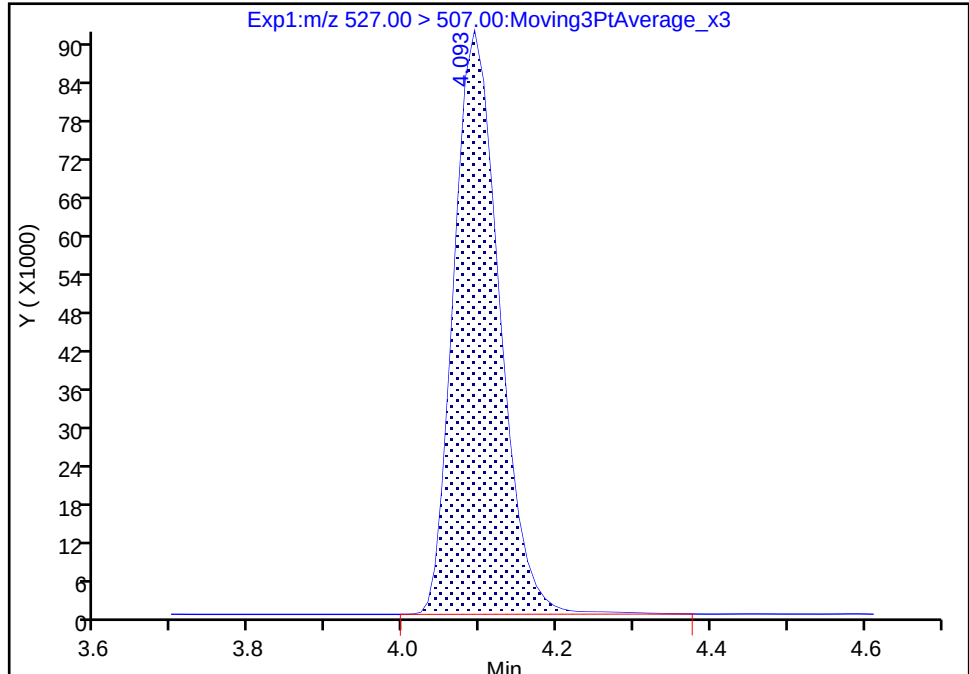
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Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm)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

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

Signal: 1

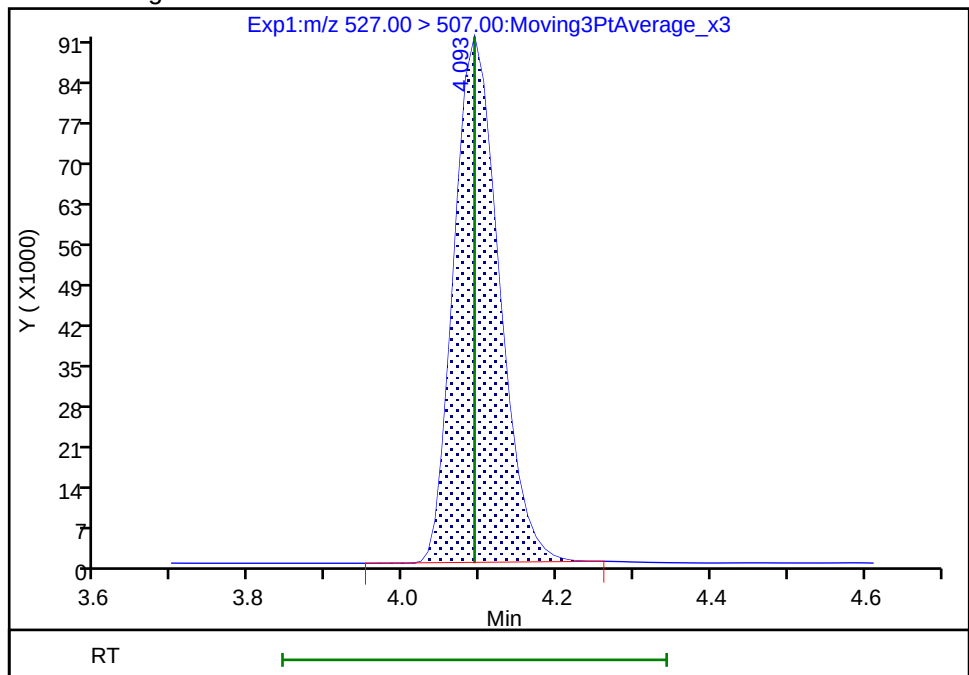
RT: 4.09
Area: 374620
Amount: 0.906768
Amount Units: ng/ml

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

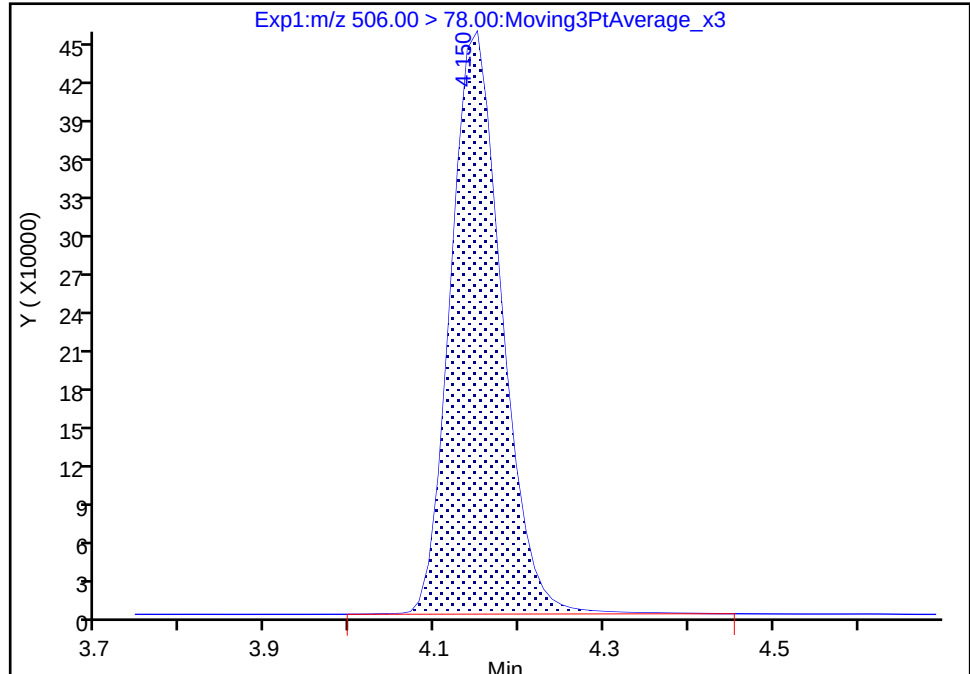
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Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm)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

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

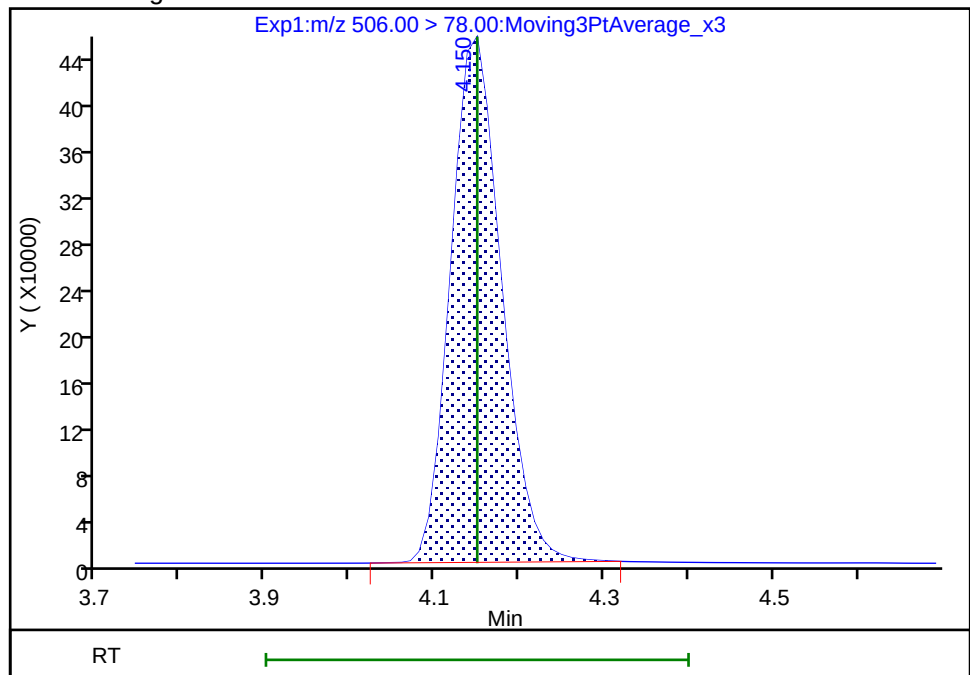
RT: 4.15
Area: 1894765
Amount: 1.237228
Amount Units: ng/ml

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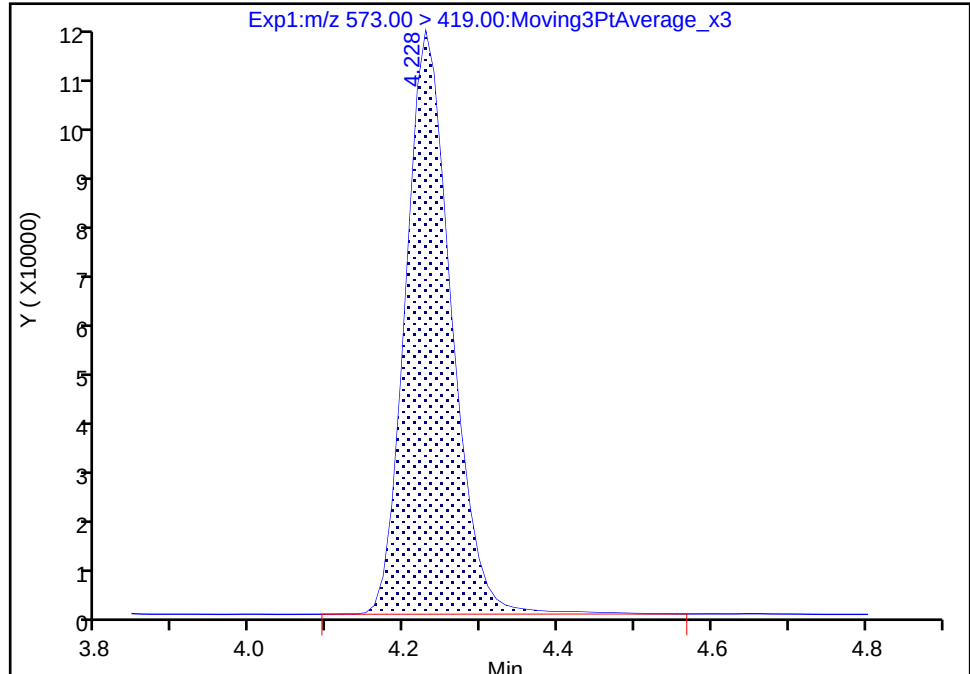
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Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm)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

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

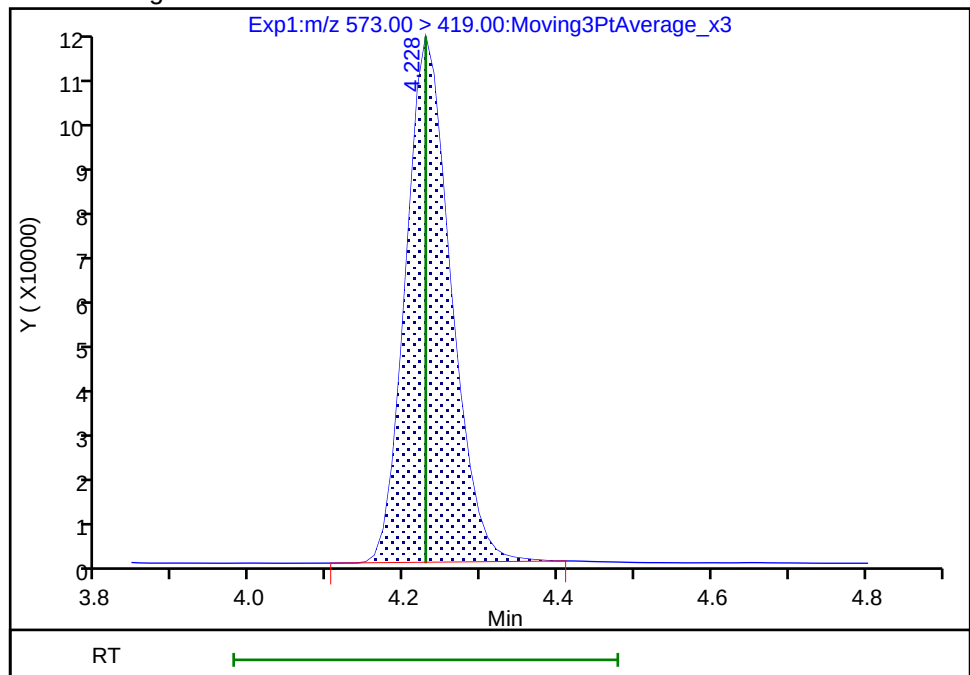
RT: 4.23
Area: 475916
Amount: 1.264715
Amount Units: ng/ml

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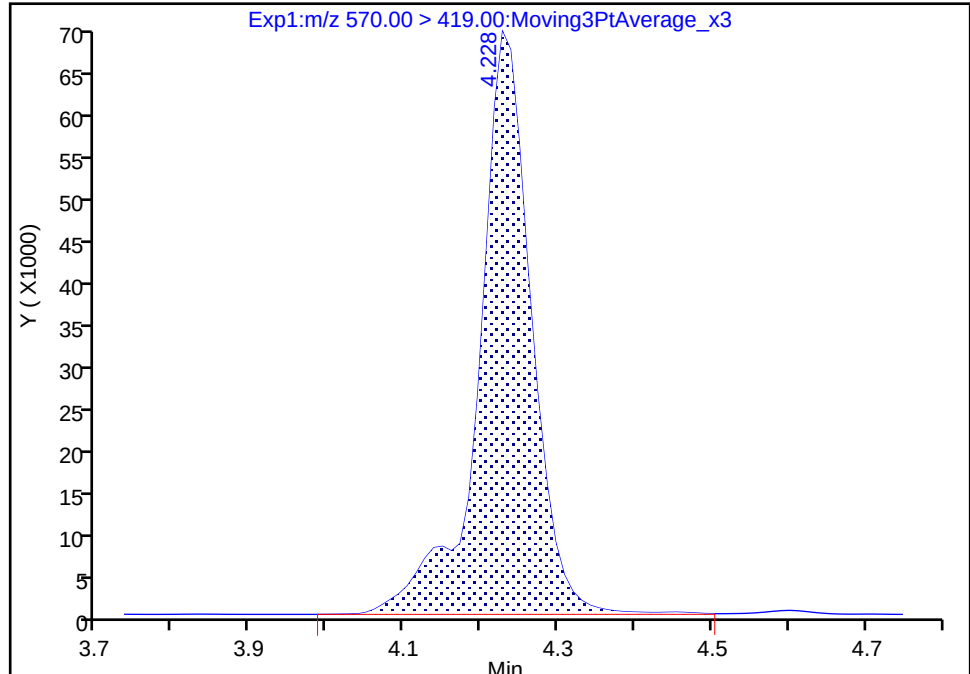
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

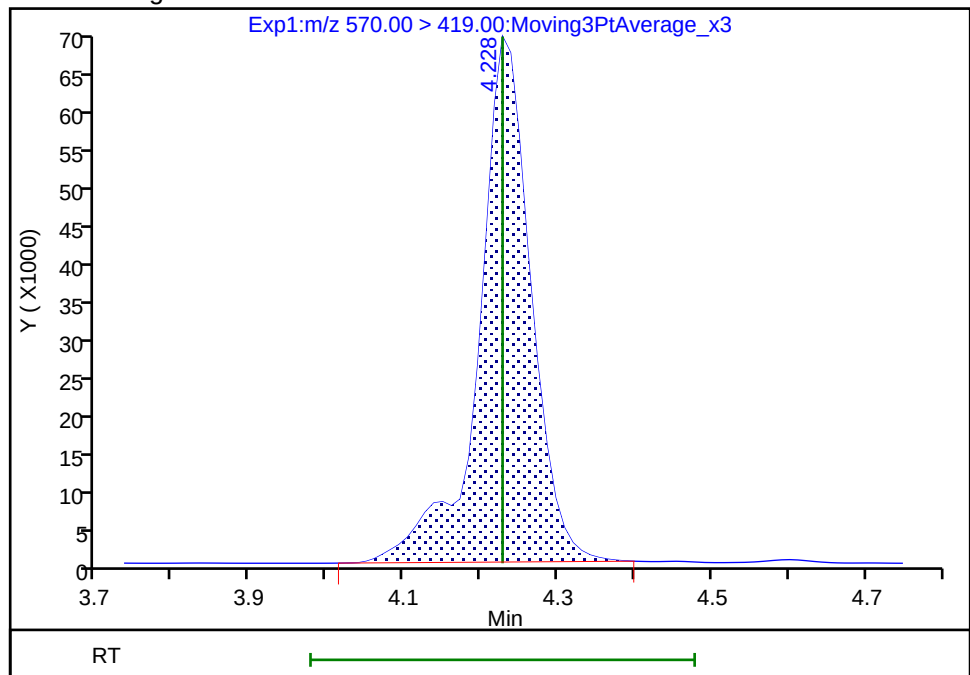
RT: 4.23
Area: 329390
Amount: 0.922352
Amount Units: ng/ml

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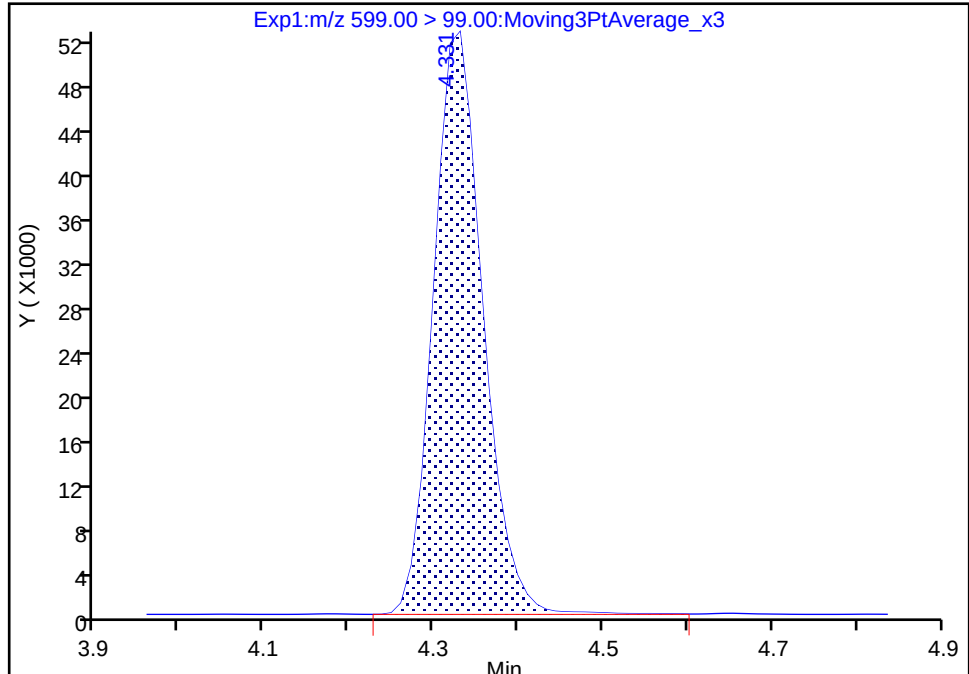
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Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm)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

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

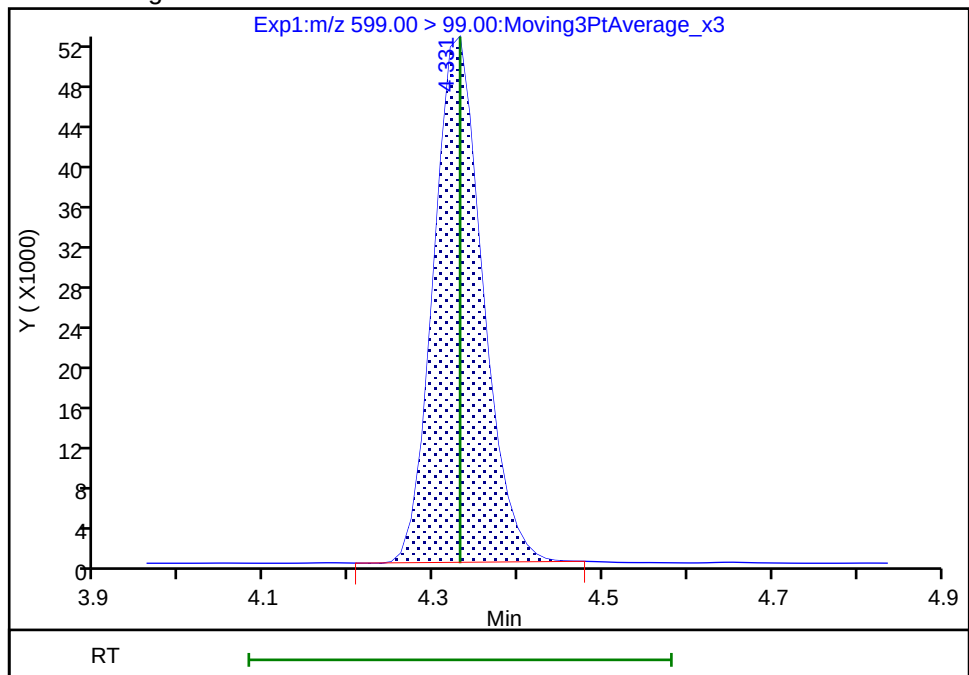
RT: 4.33
Area: 213157
Amount: 0.885111
Amount Units: ng/ml

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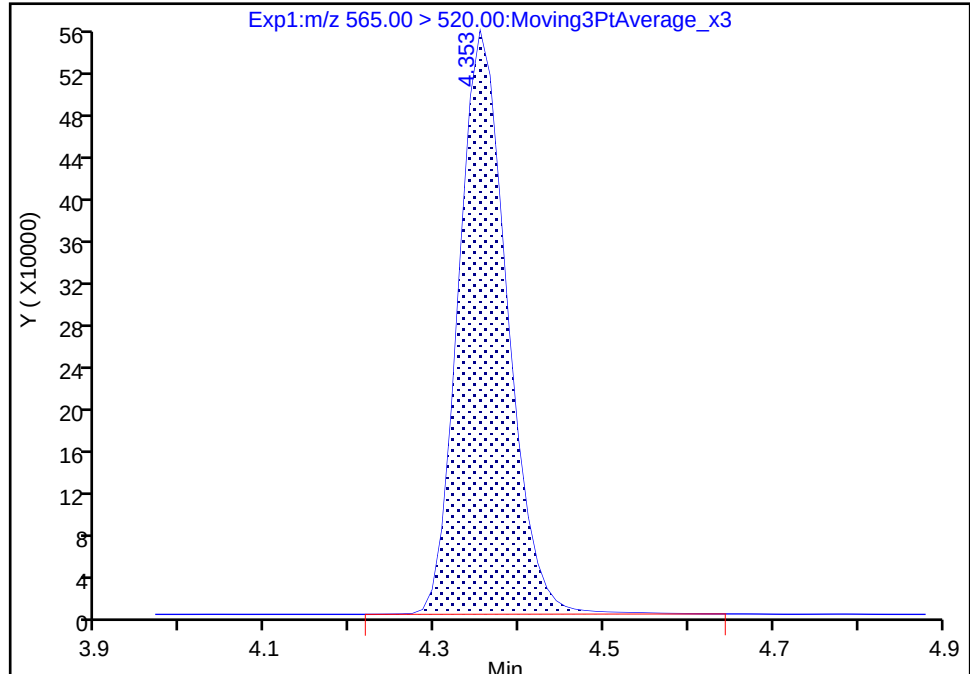
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Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm)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

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

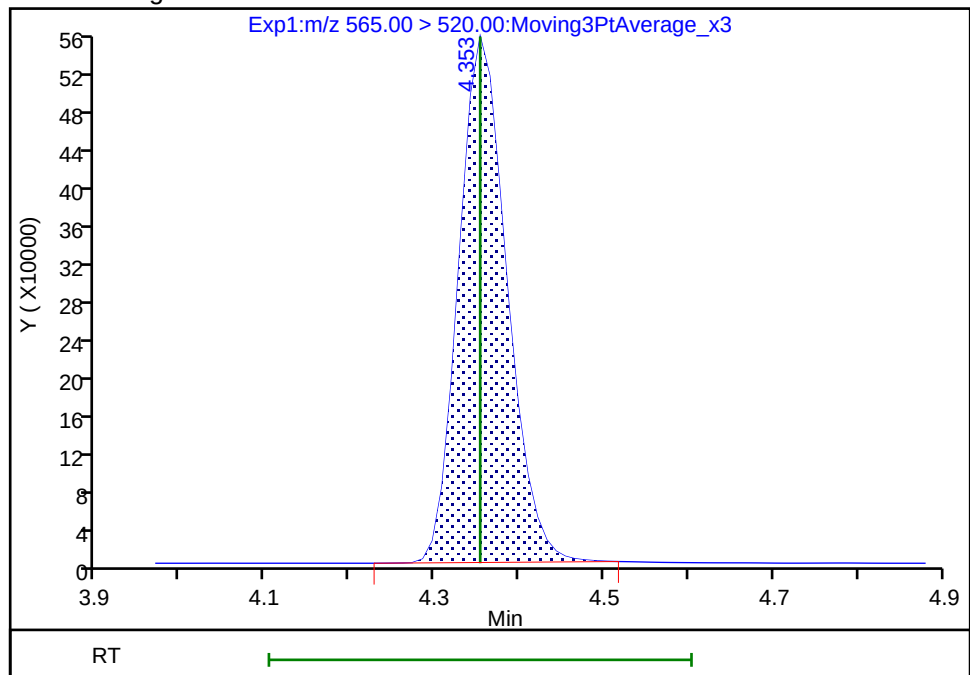
RT: 4.35
Area: 2200966
Amount: 1.263353
Amount Units: ng/ml

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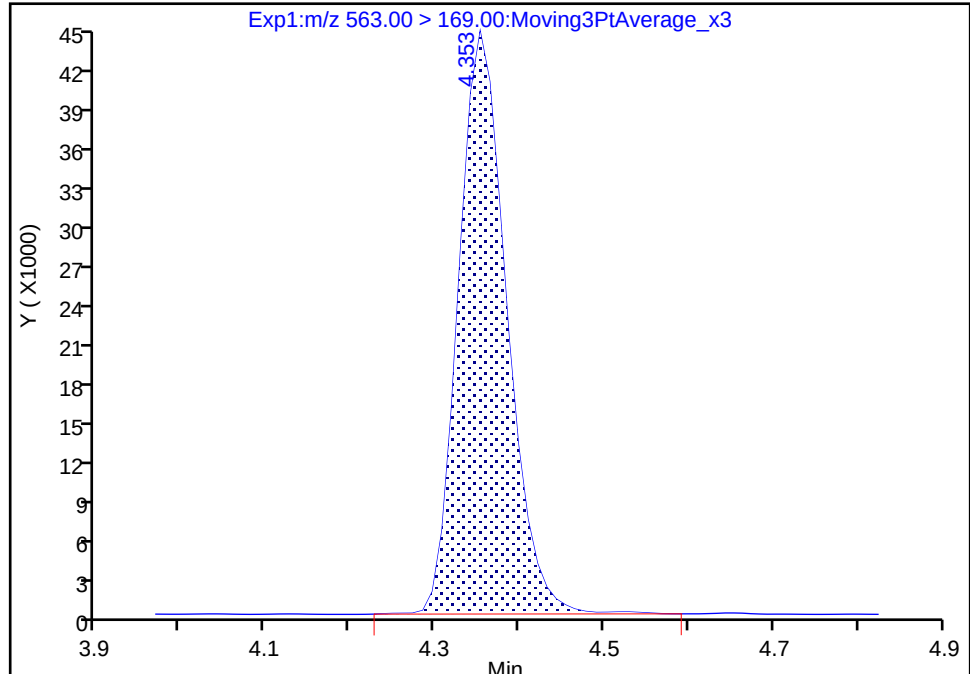
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Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm)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

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

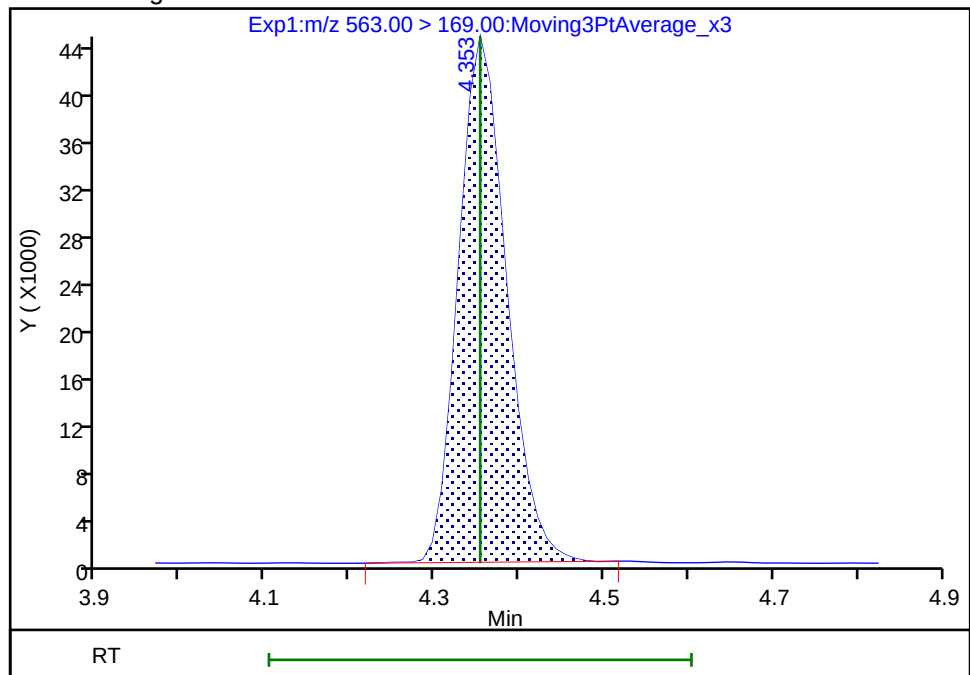
RT: 4.35
Area: 174513
Amount: 0.928435
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 173100
Amount: 0.971351
Amount Units: ng/ml

Manual Integration Results



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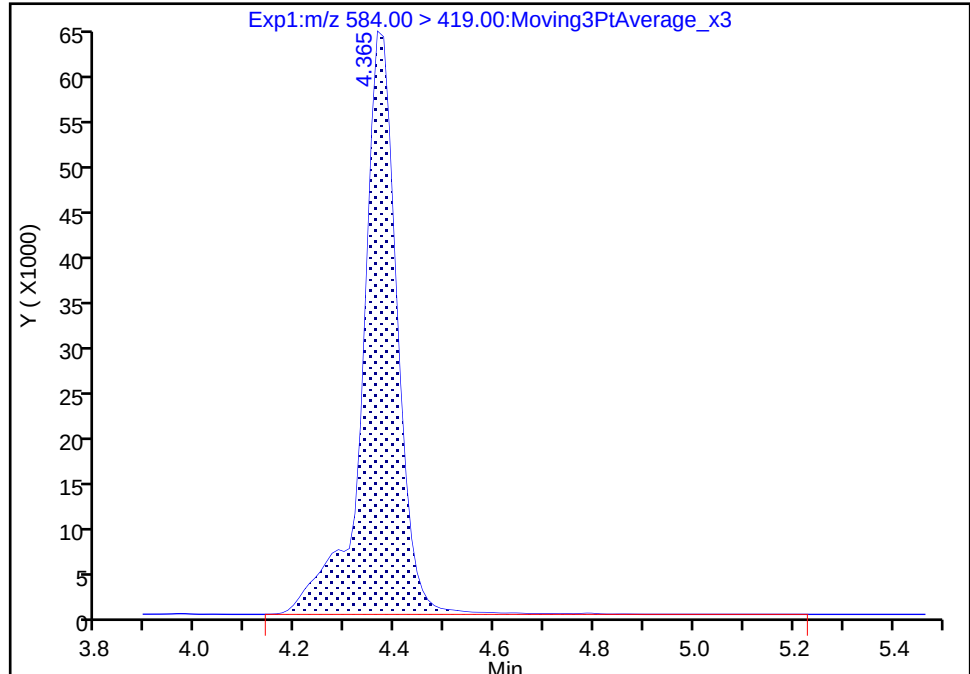
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Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm)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

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

Signal: 1

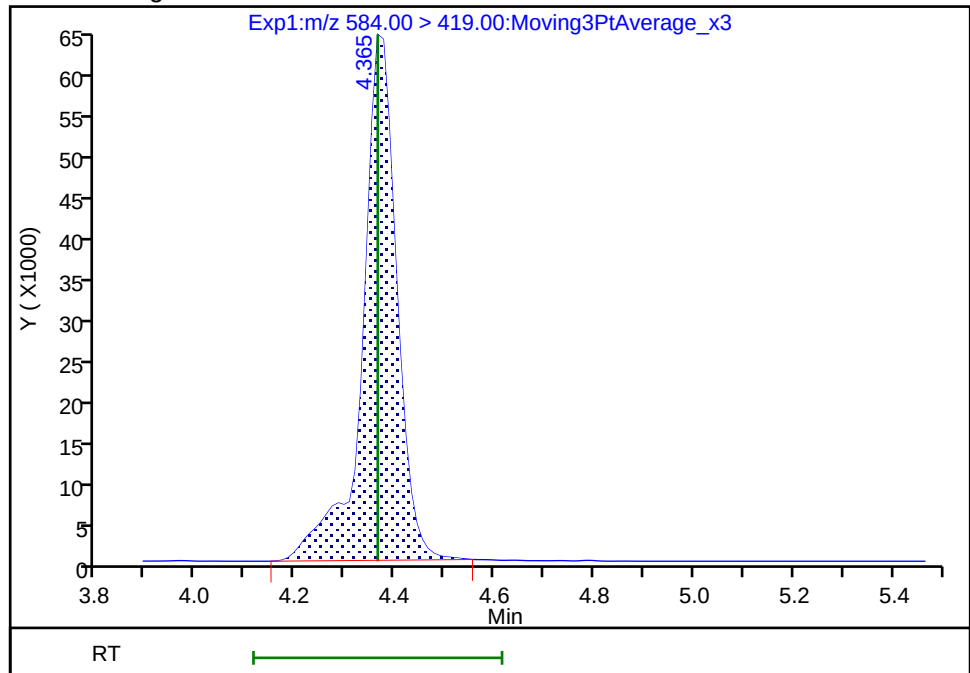
RT: 4.36
Area: 315423
Amount: 0.928970
Amount Units: ng/ml

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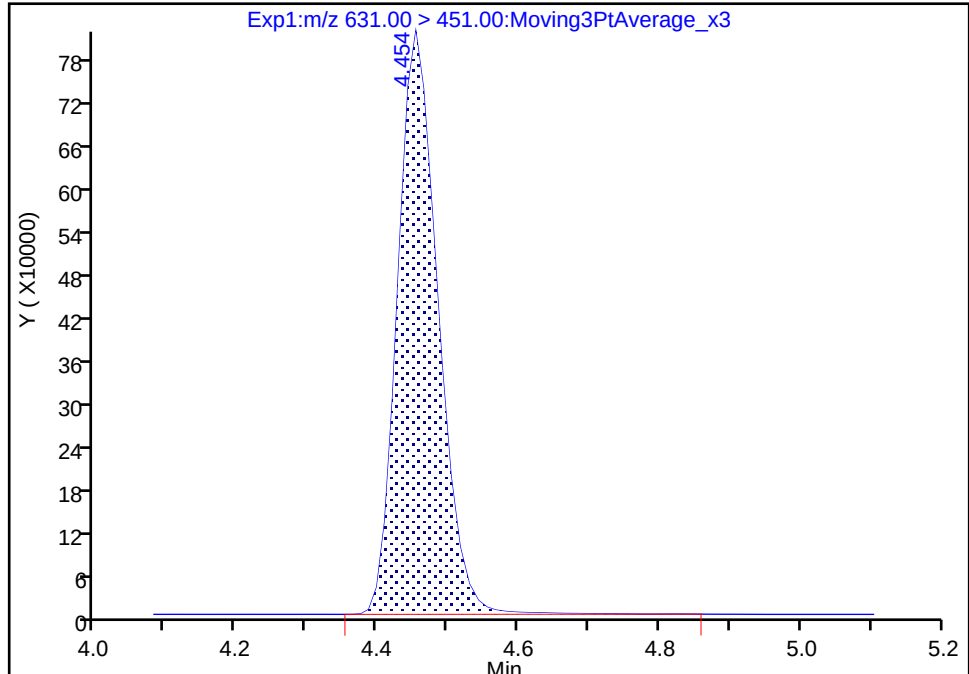
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Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm)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

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

Signal: 1

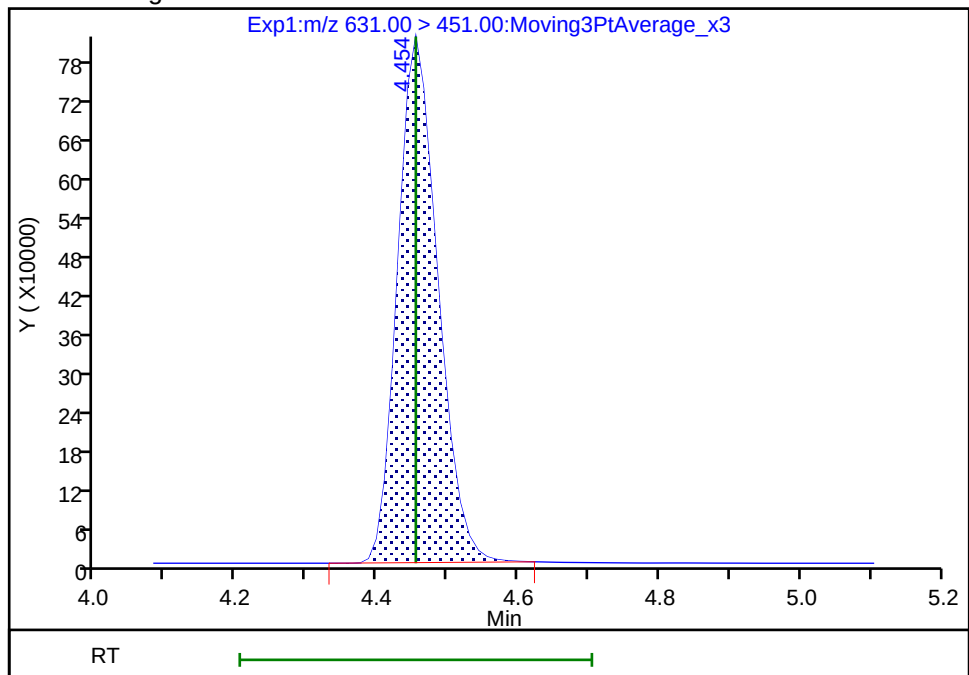
RT: 4.45
Area: 3251099
Amount: 0.891288
Amount Units: ng/ml

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

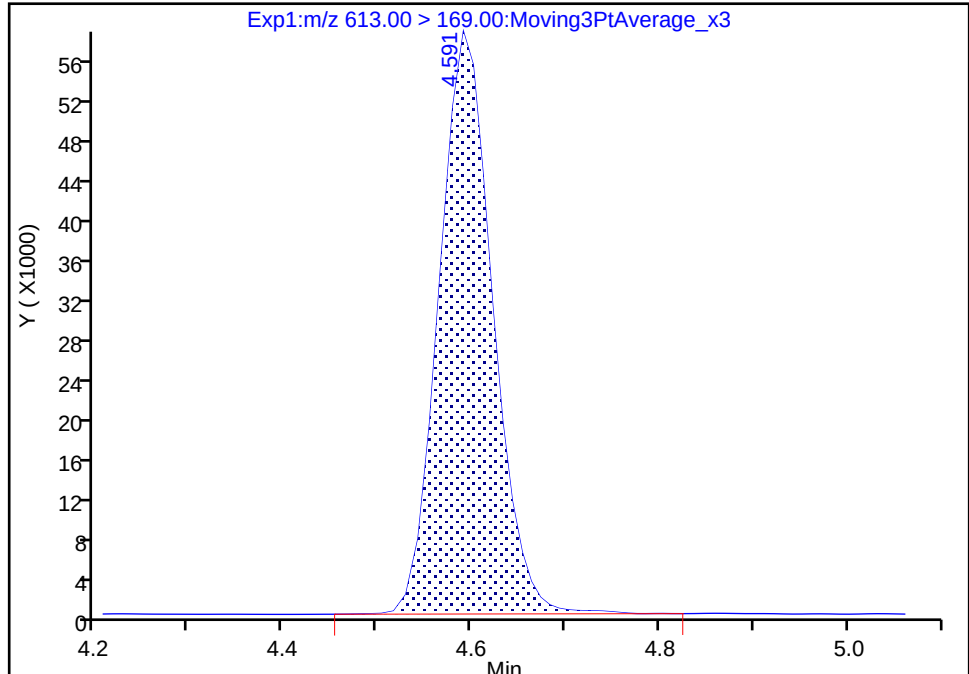
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Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm)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

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

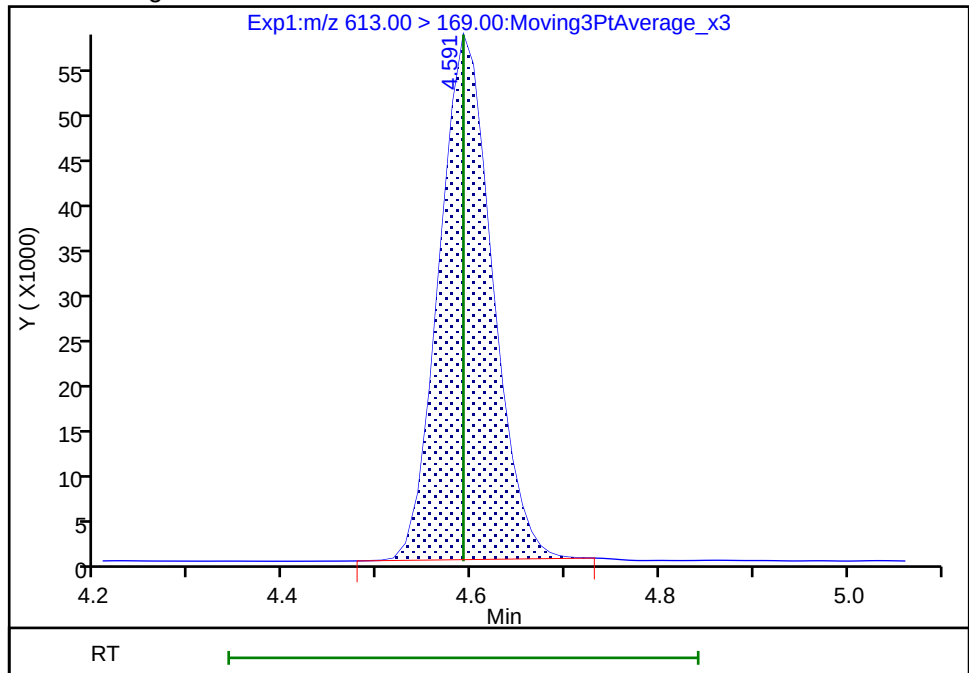
RT: 4.59
Area: 232486
Amount: 0.925204
Amount Units: ng/ml

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

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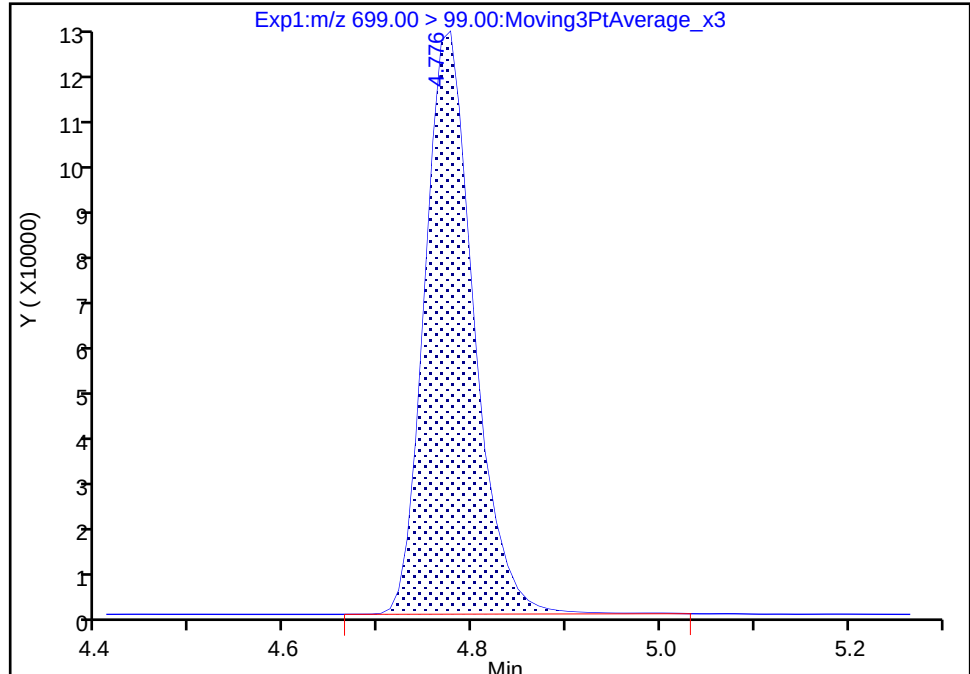
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Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm)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

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

Signal: 2

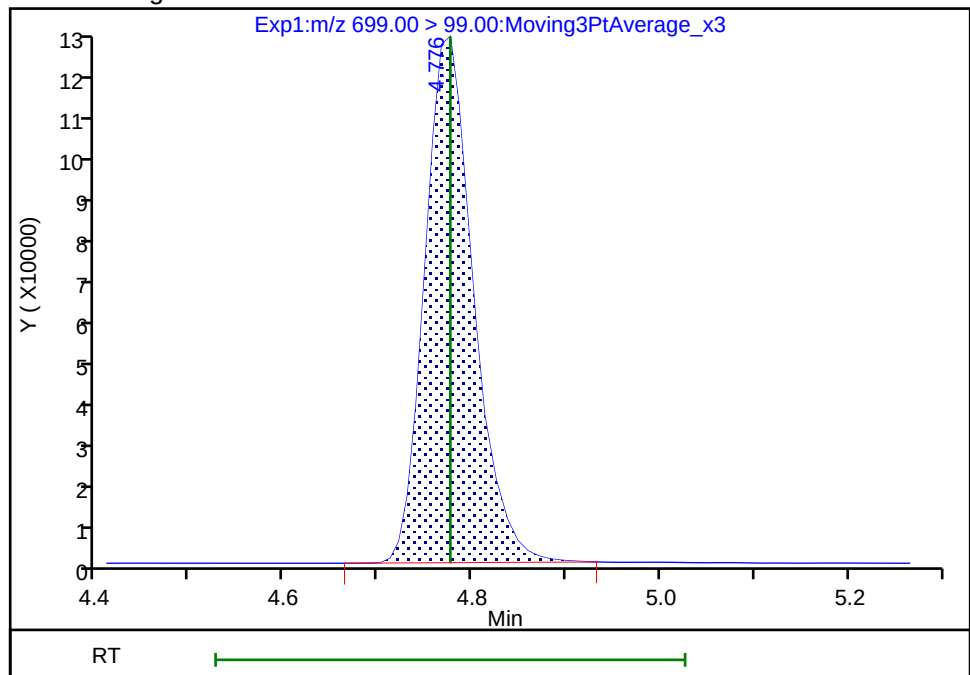
RT: 4.78
Area: 456526
Amount: 0.896225
Amount Units: ng/ml

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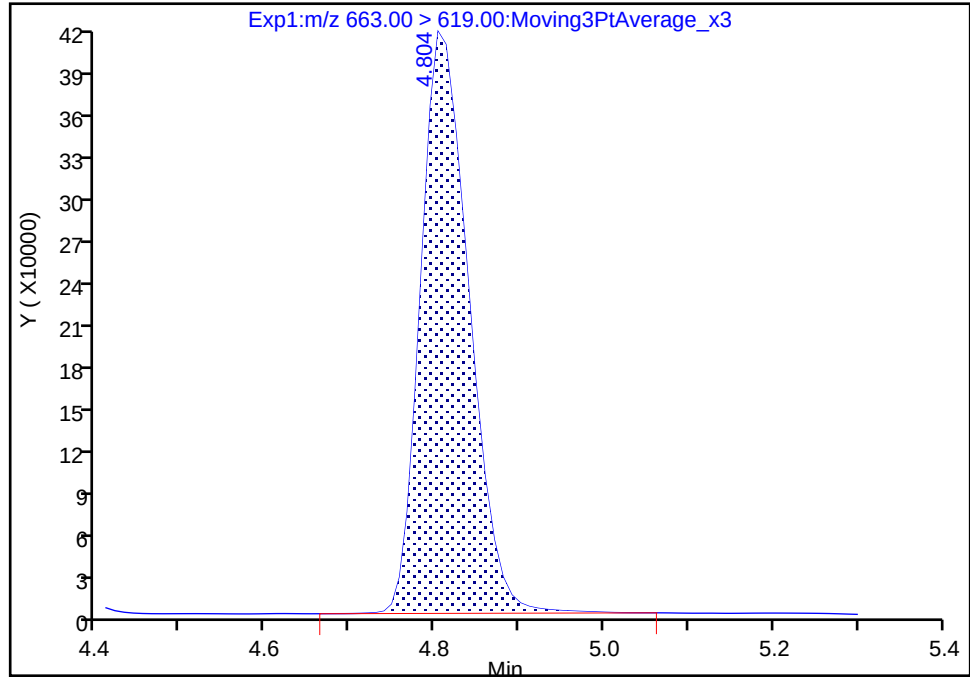
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Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm)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

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

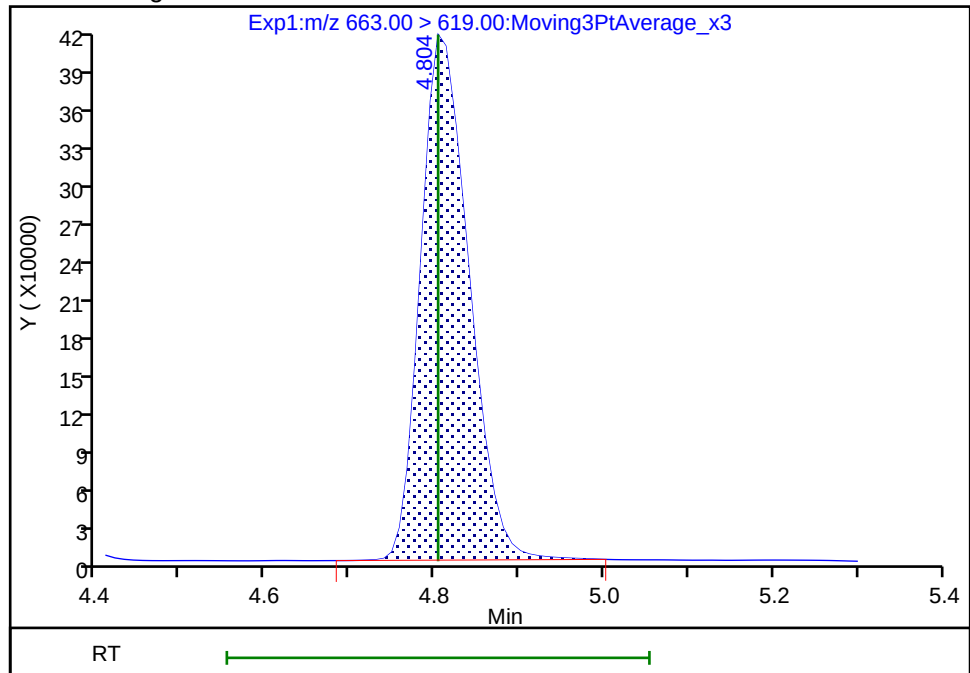
RT: 4.80
Area: 1636646
Amount: 0.895241
Amount Units: ng/ml

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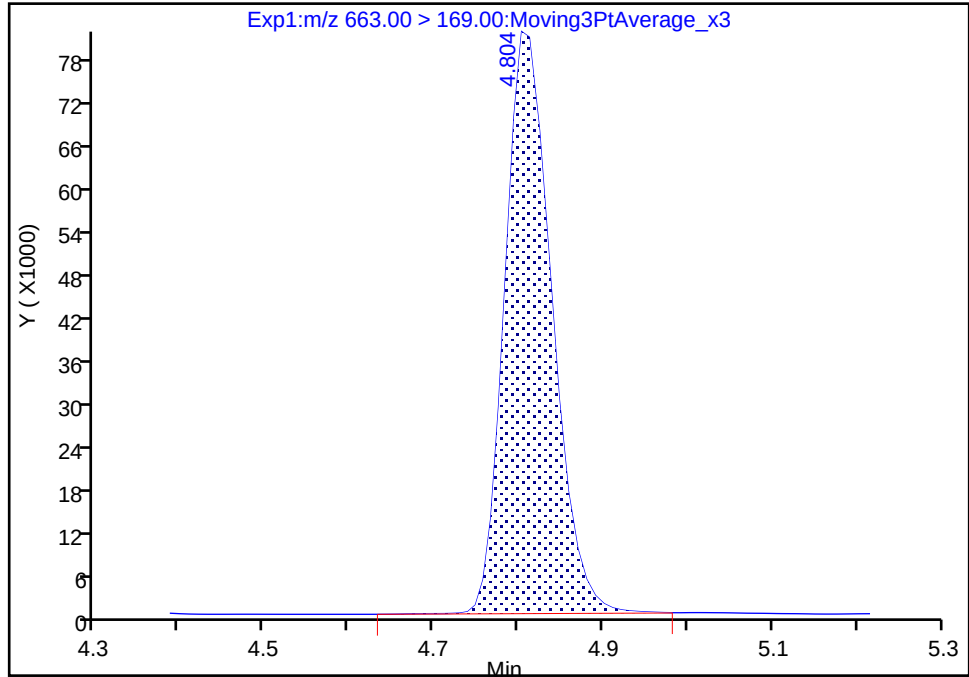
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

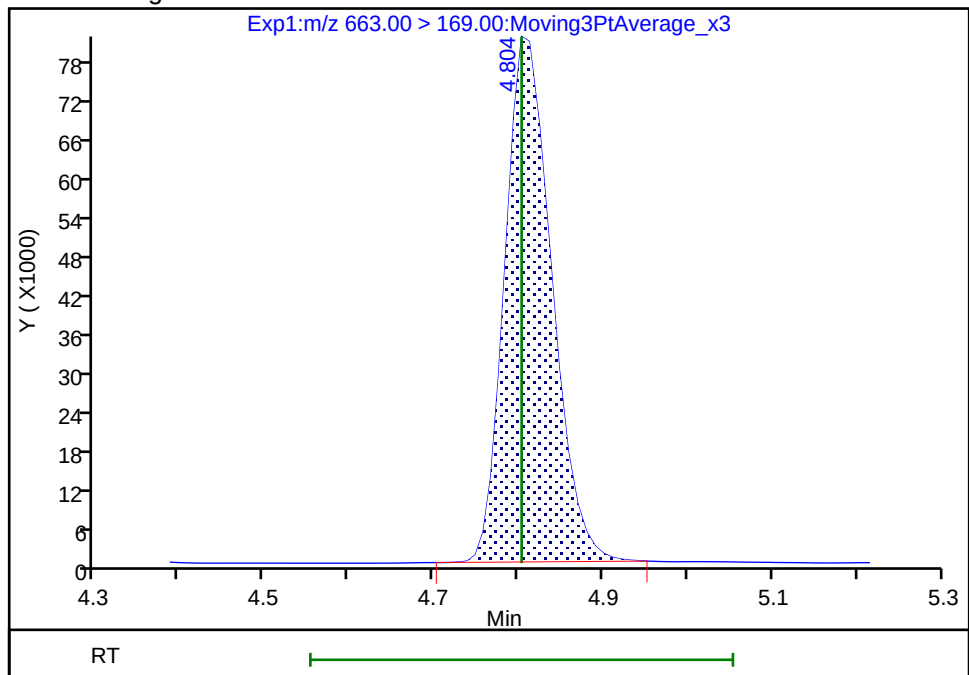
RT: 4.80
Area: 315364
Amount: 0.895241
Amount Units: ng/ml

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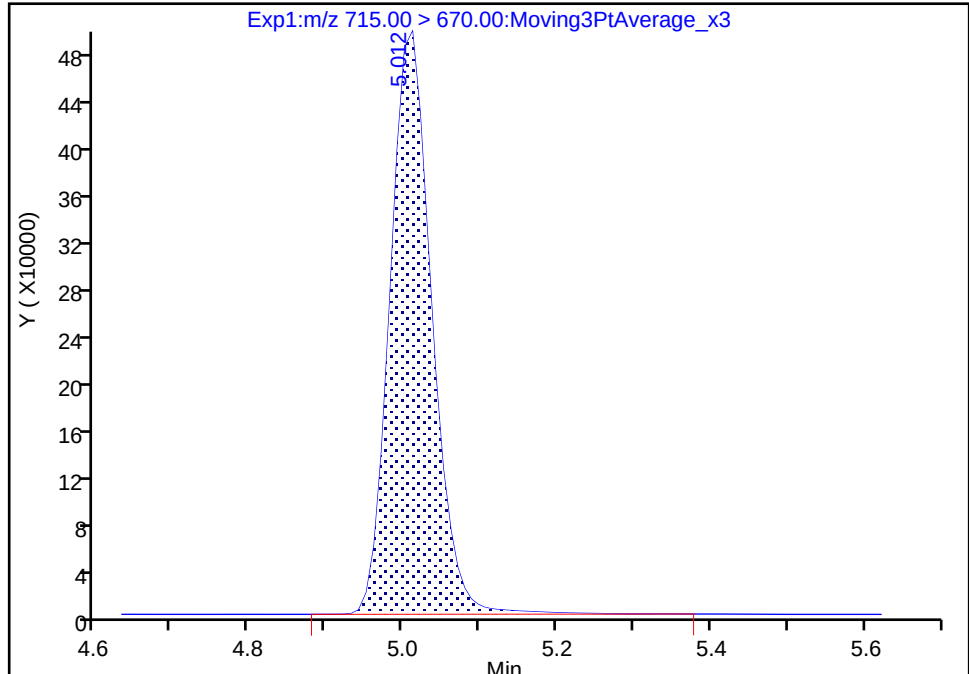
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

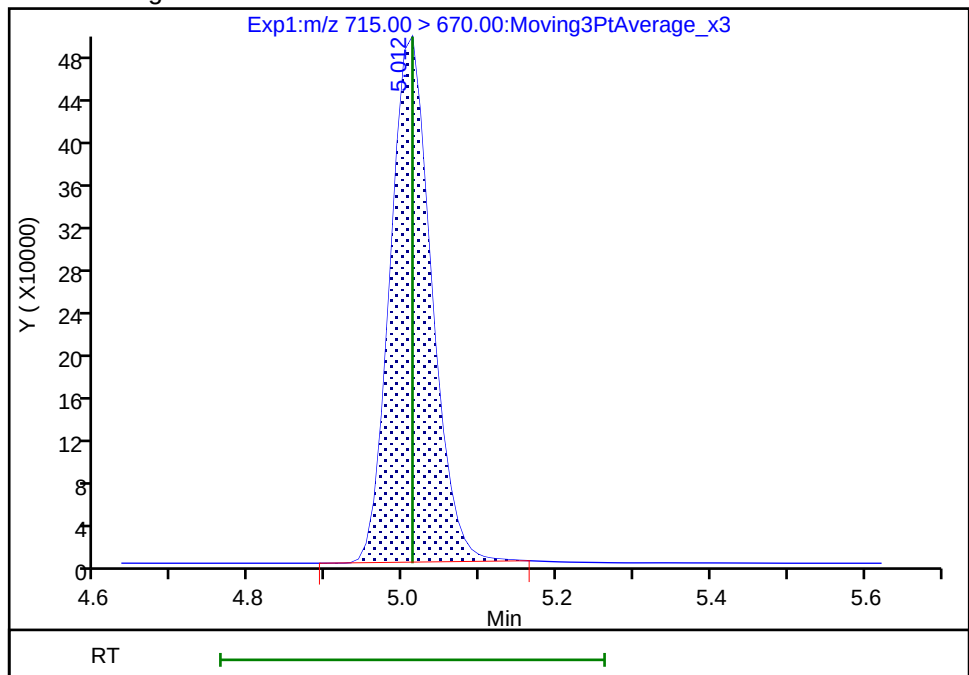
RT: 5.01
Area: 1869315
Amount: 1.228467
Amount Units: ng/ml

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
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Eurofins Burlington

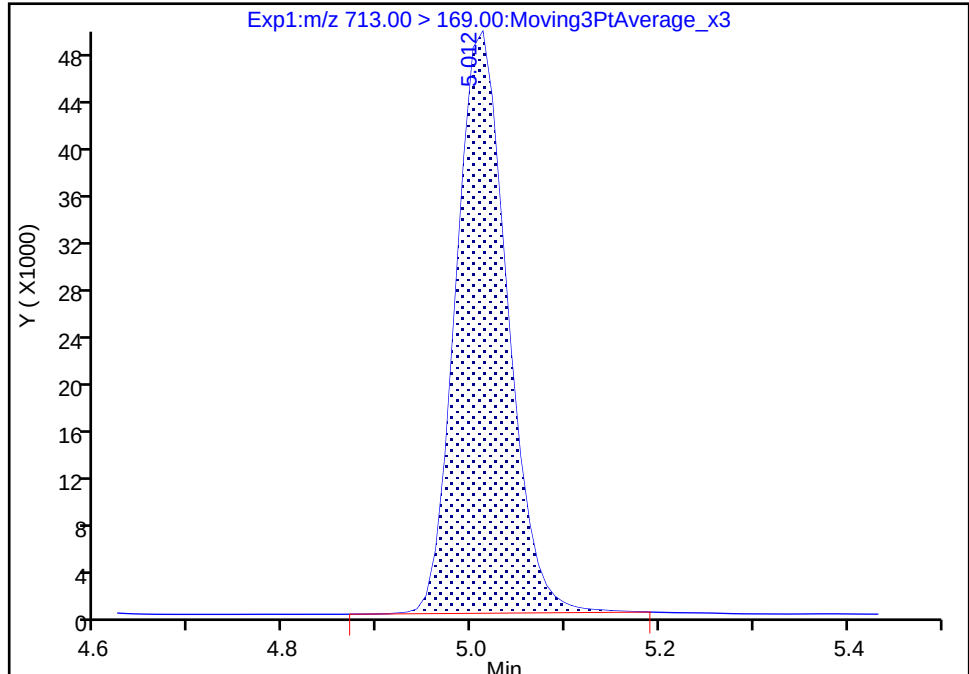
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

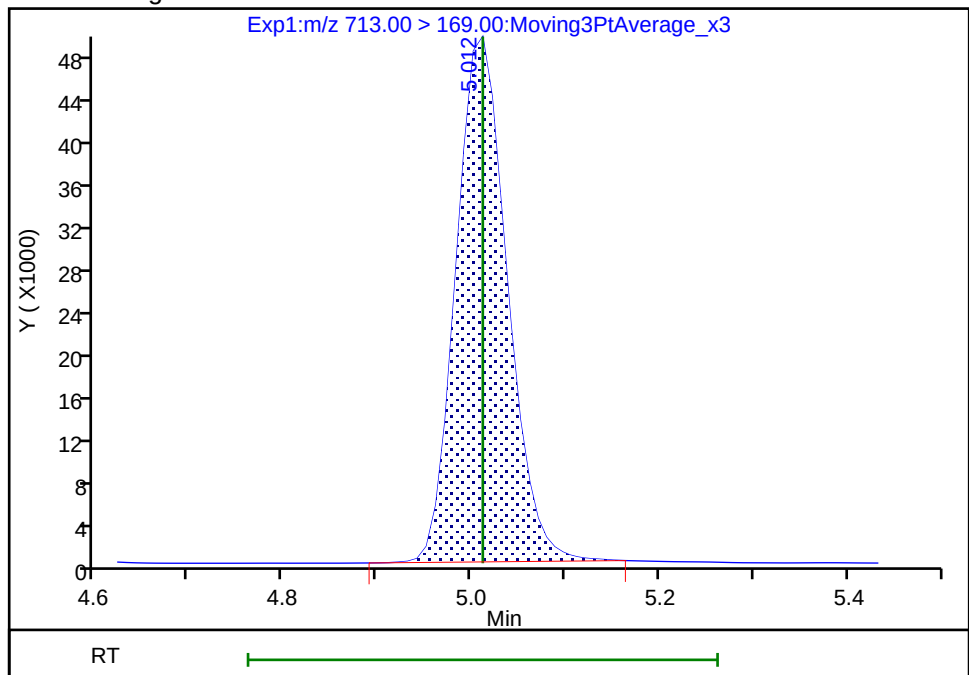
RT: 5.01
Area: 189104
Amount: 0.906114
Amount Units: ng/ml

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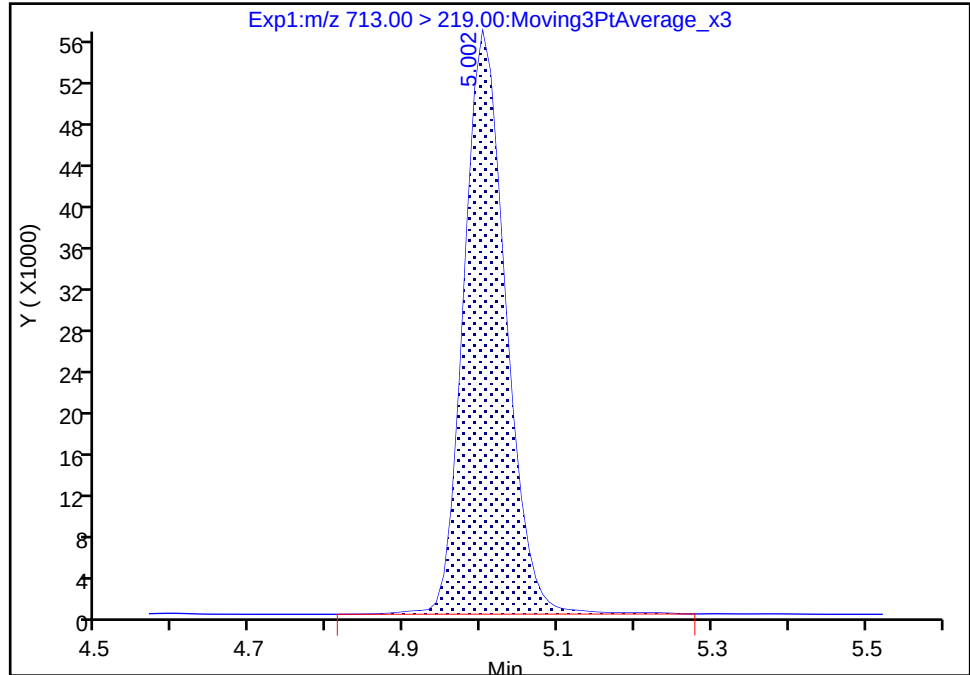
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

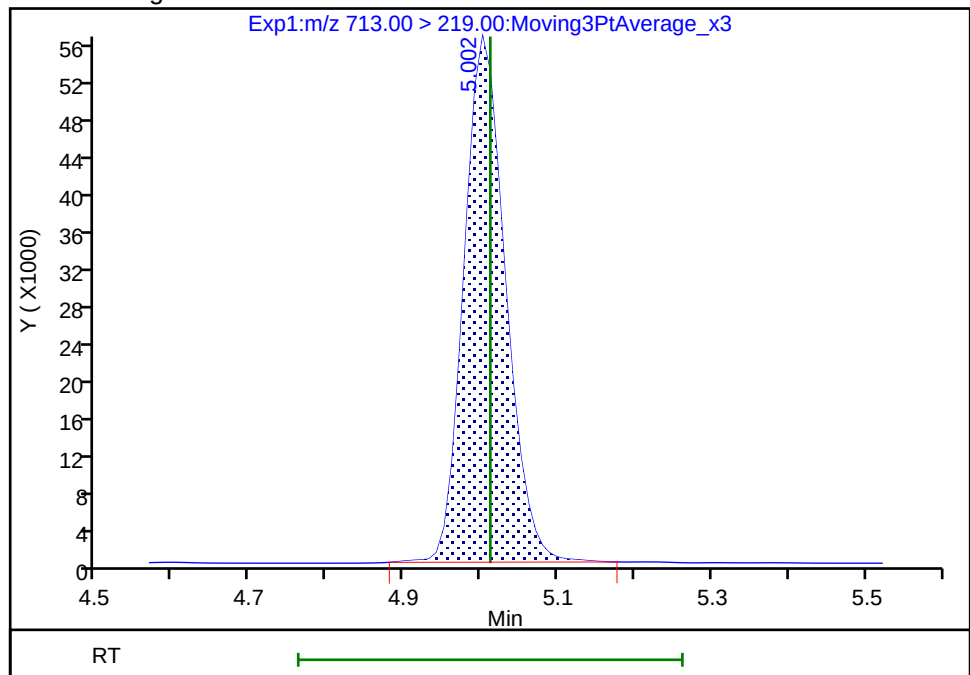
RT: 5.00
Area: 214481
Amount: 0.906114
Amount Units: ng/ml

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

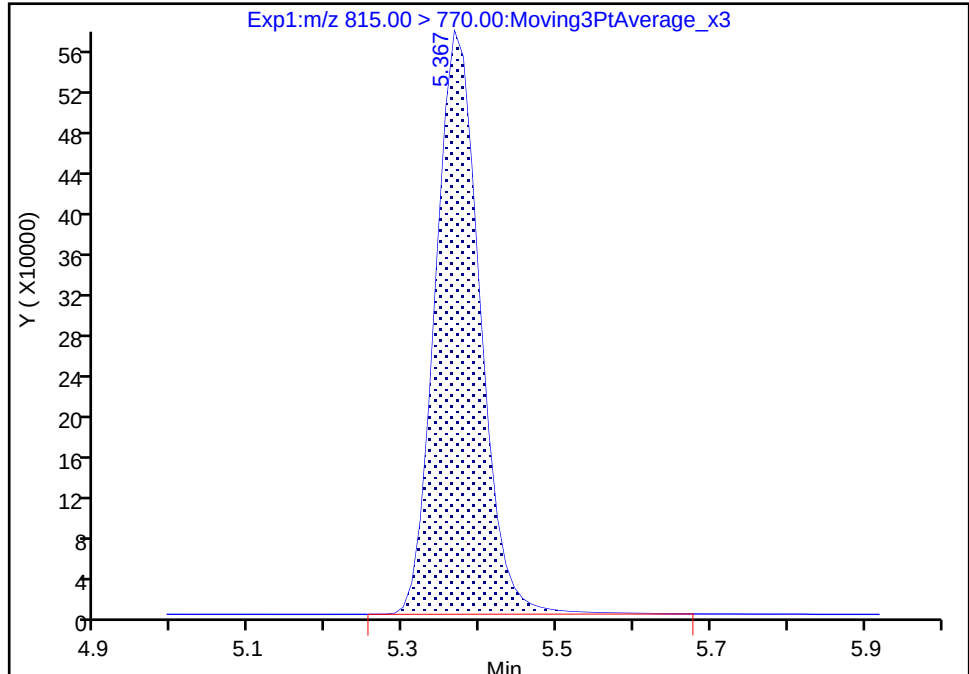
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

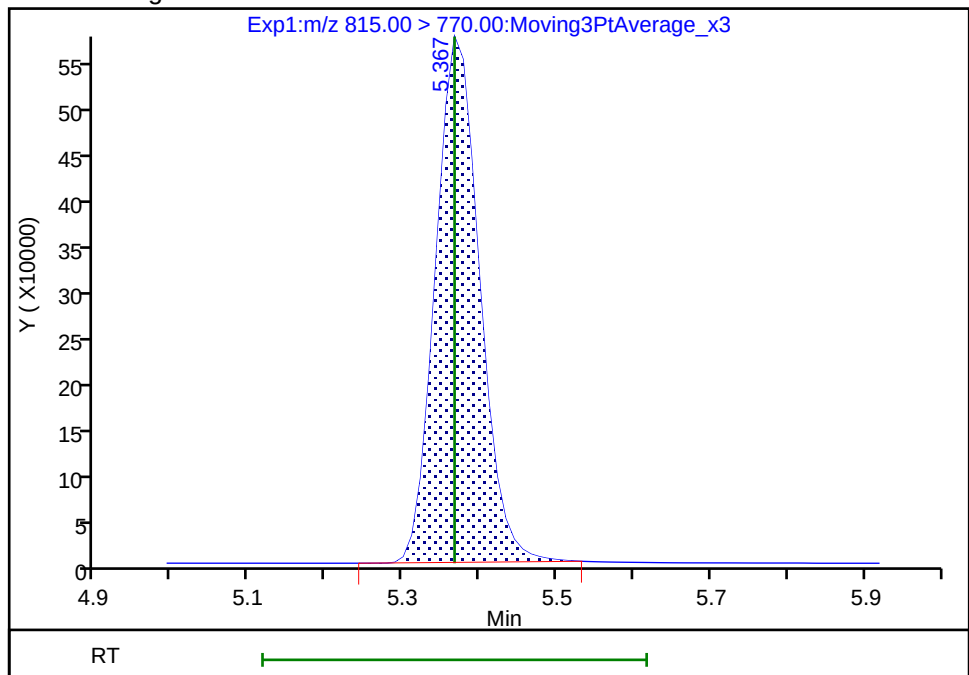
RT: 5.37
Area: 2303023
Amount: 1.224939
Amount Units: ng/ml

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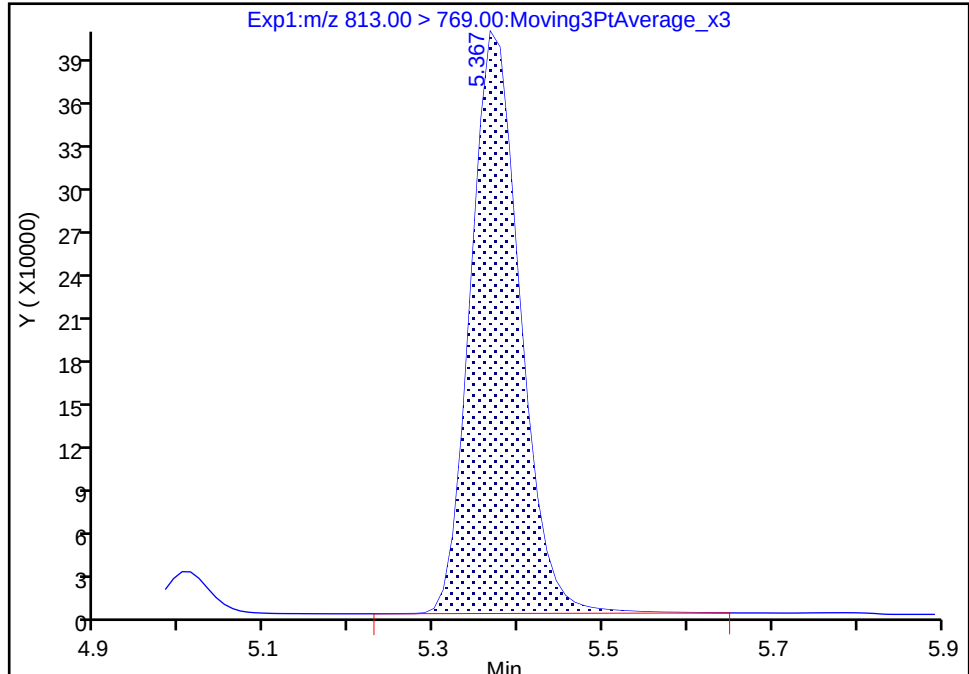
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

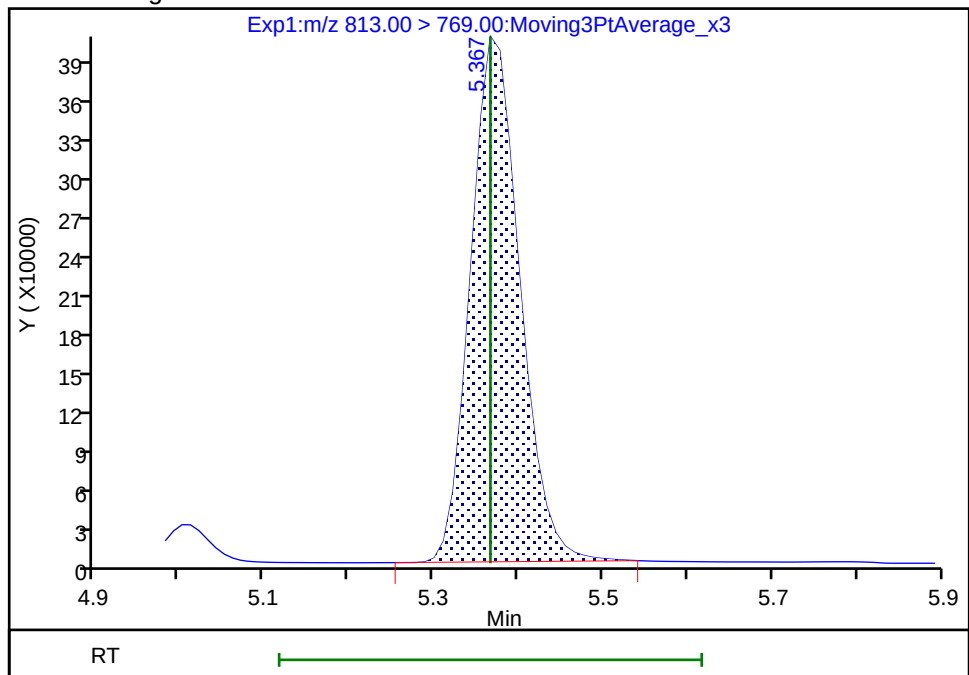
RT: 5.37
Area: 1646621
Amount: 0.957003
Amount Units: ng/ml

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

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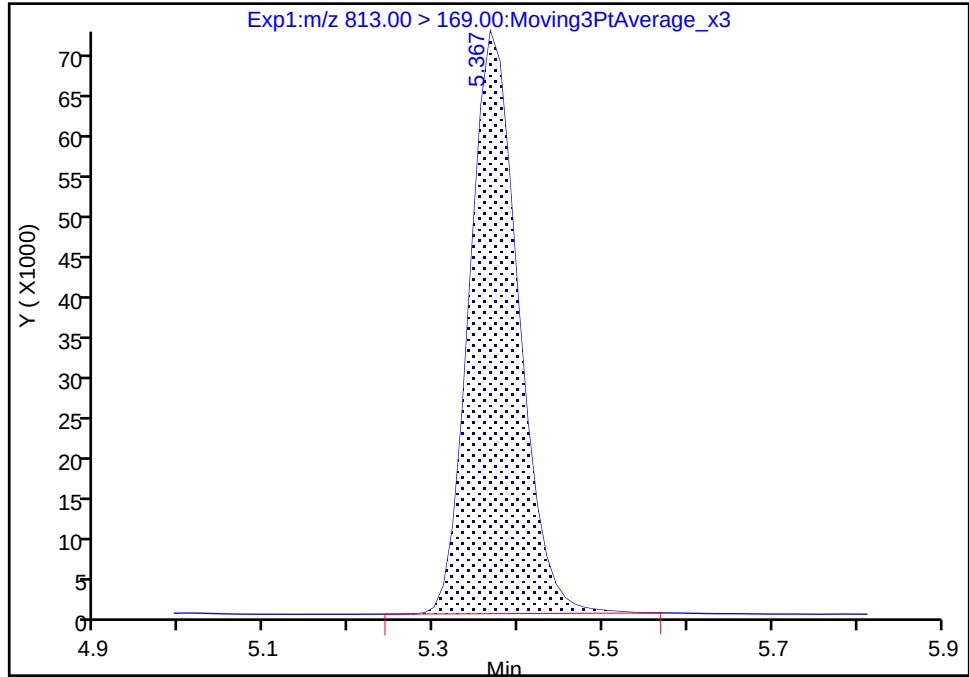
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

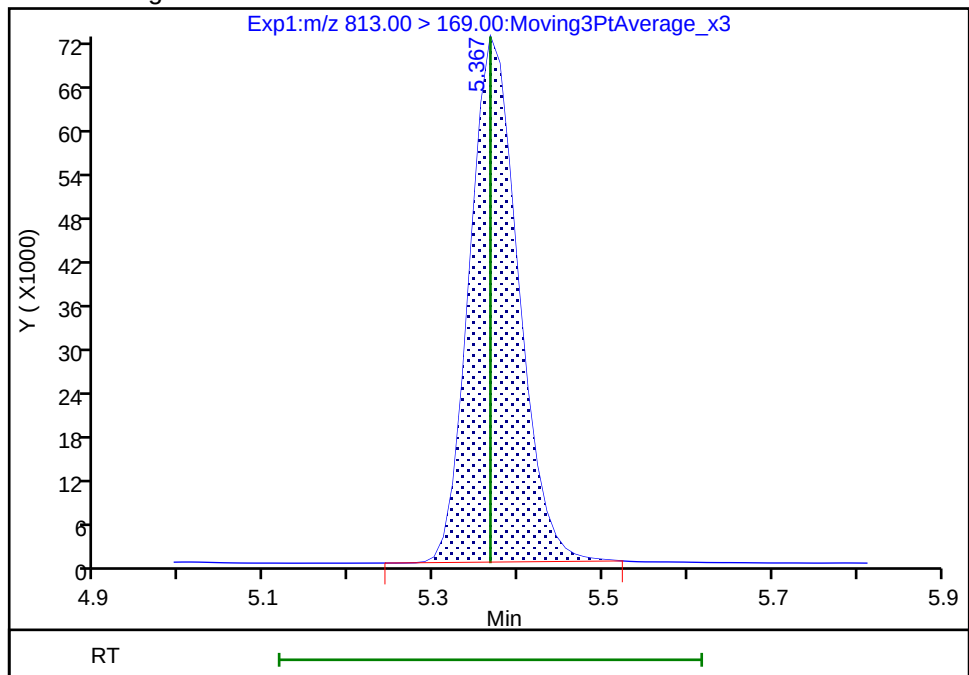
RT: 5.37
Area: 290873
Amount: 0.957003
Amount Units: ng/ml

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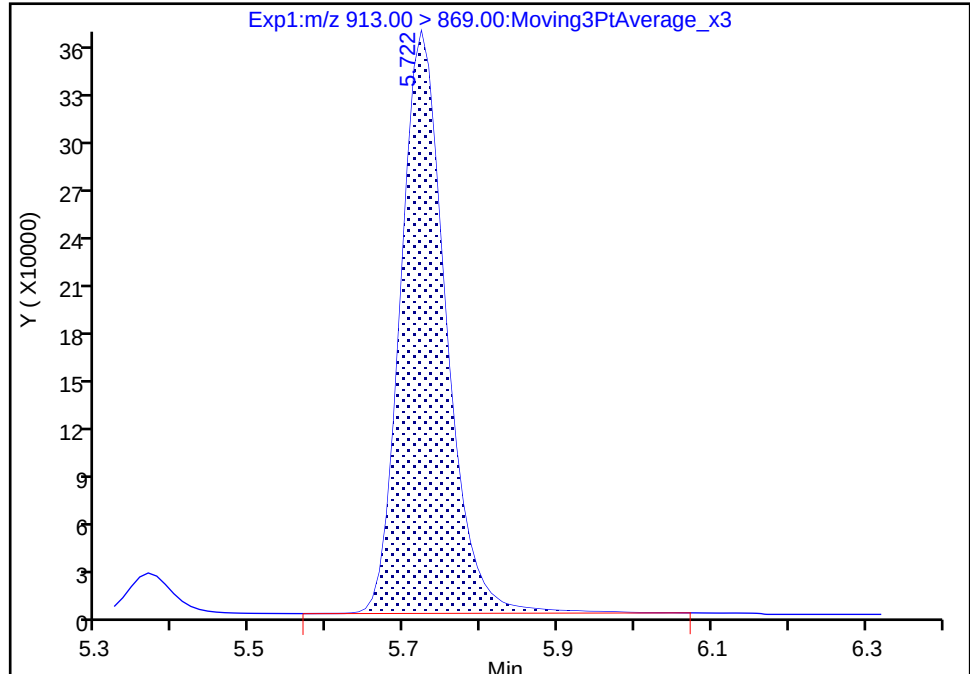
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

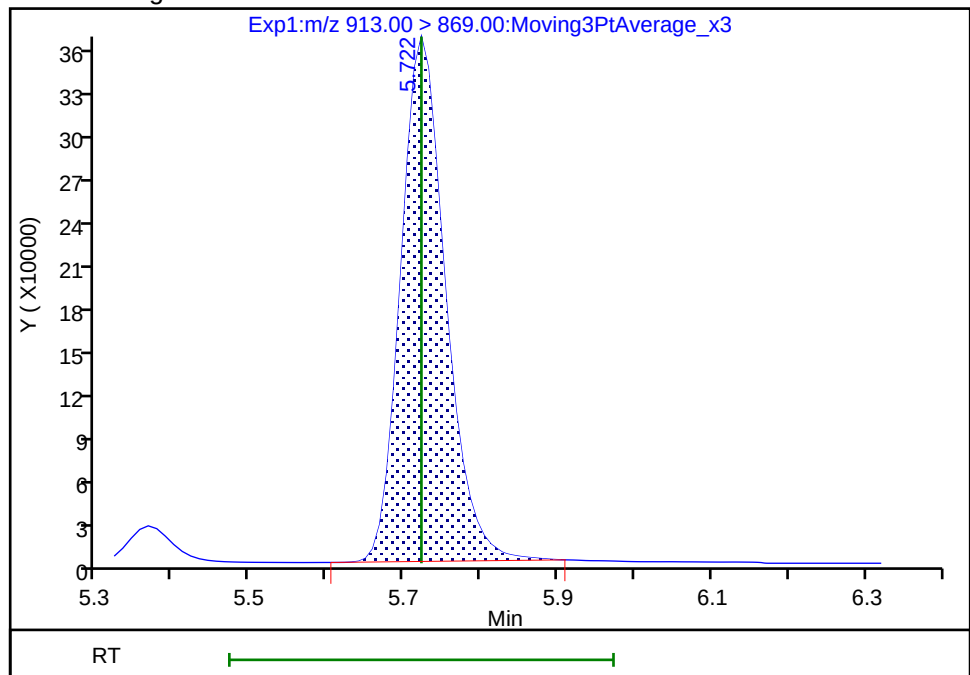
RT: 5.72
Area: 1494015
Amount: 0.963448
Amount Units: ng/ml

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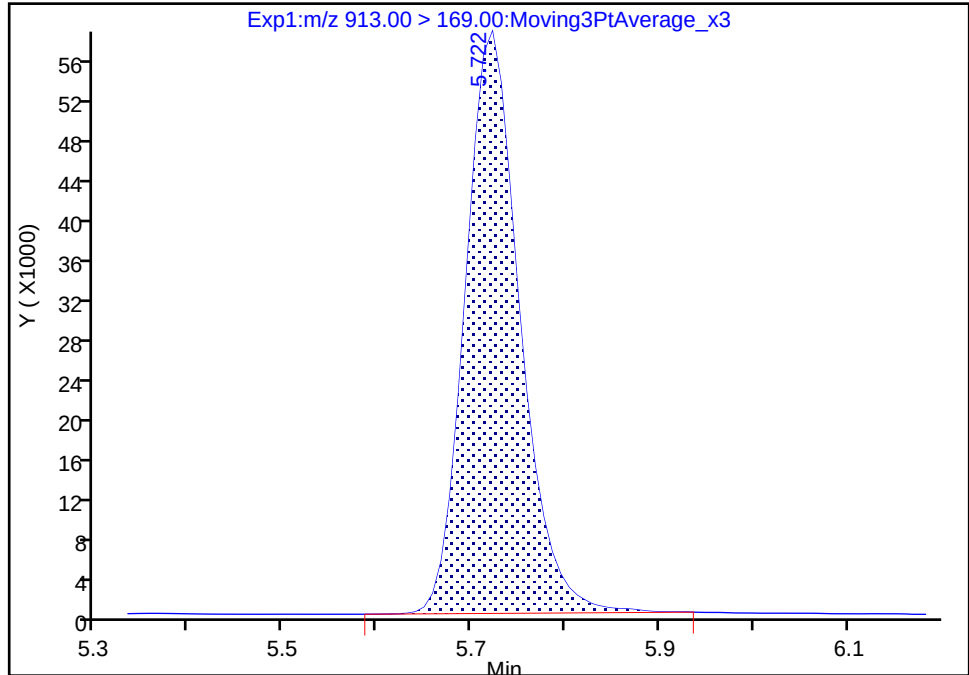
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL08.d
Injection Date: 18-Nov-2022 14:54:26 Instrument ID: LC812
Lims ID: ICISAV
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

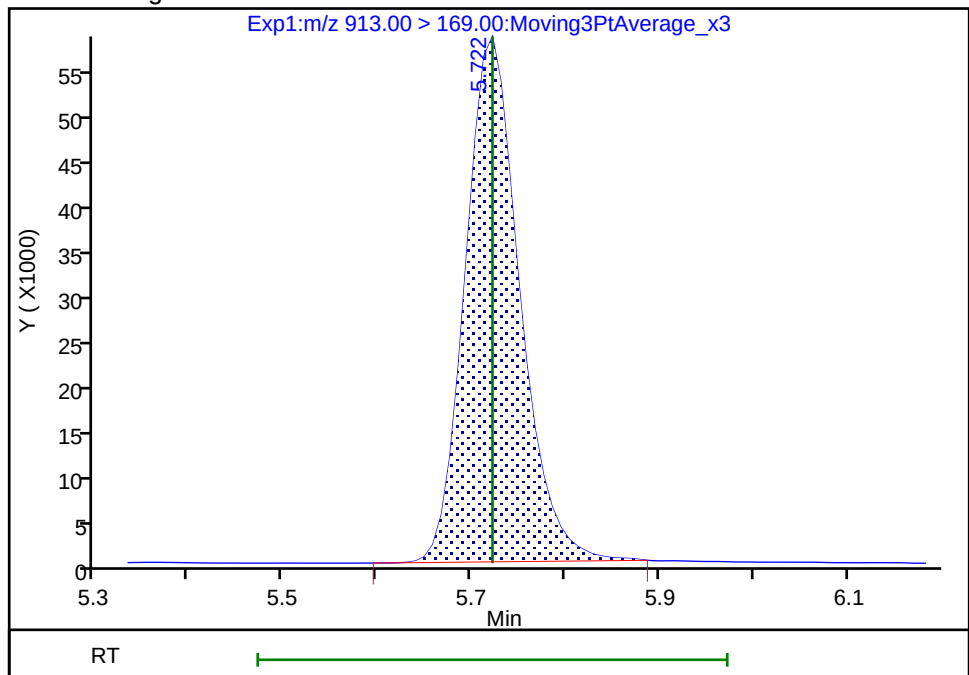
RT: 5.72
Area: 237553
Amount: 0.963448
Amount Units: ng/ml

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
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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

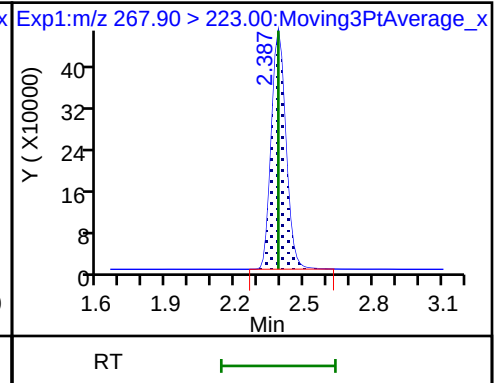
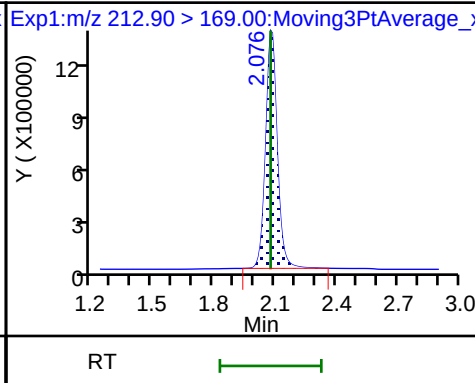
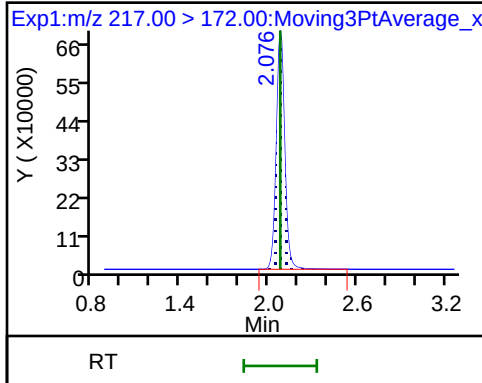
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

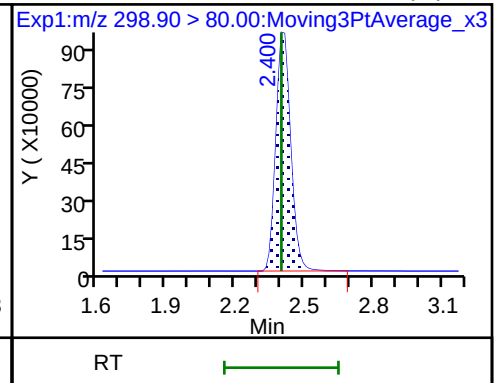
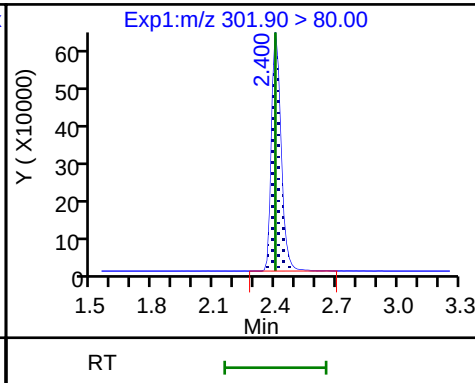
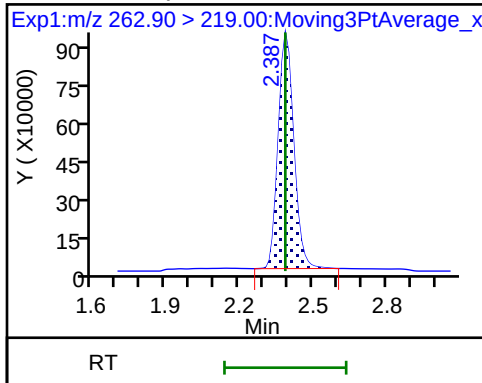
D 3 13C5 PFPeA



4 Perfluoropentanoic acid

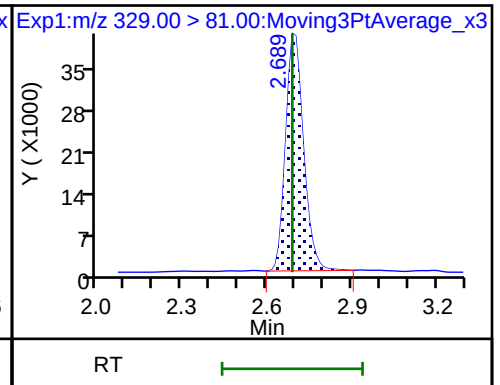
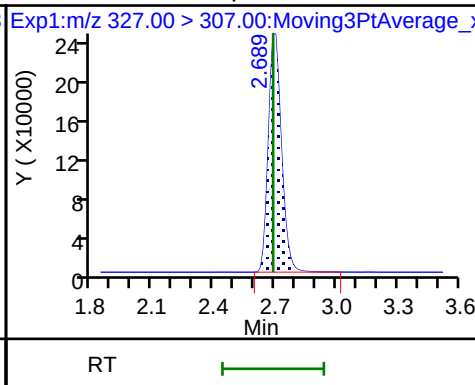
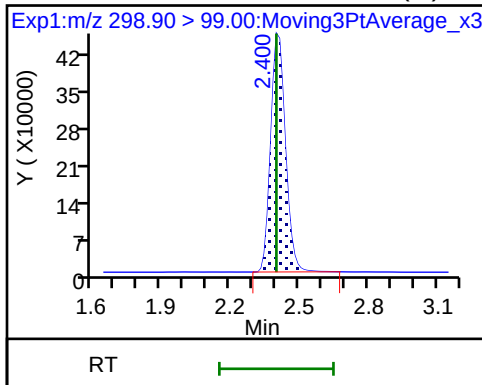
D 47 13C3 PFBS

5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

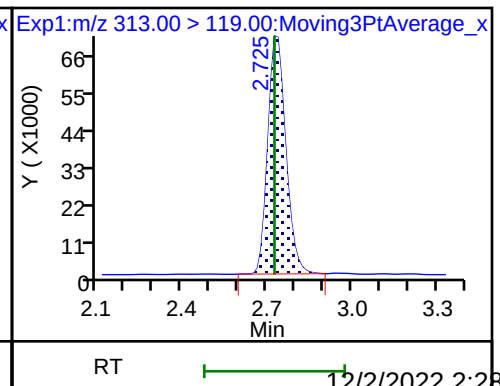
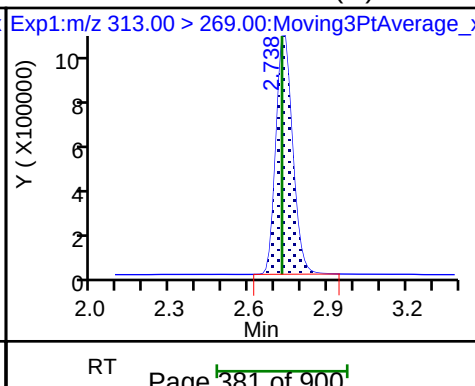
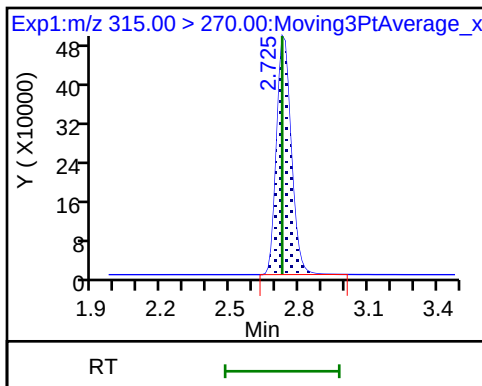
61 1H,1H,2H,2H-perfluorohexanesulfo D 60 M2-4:2 FTS

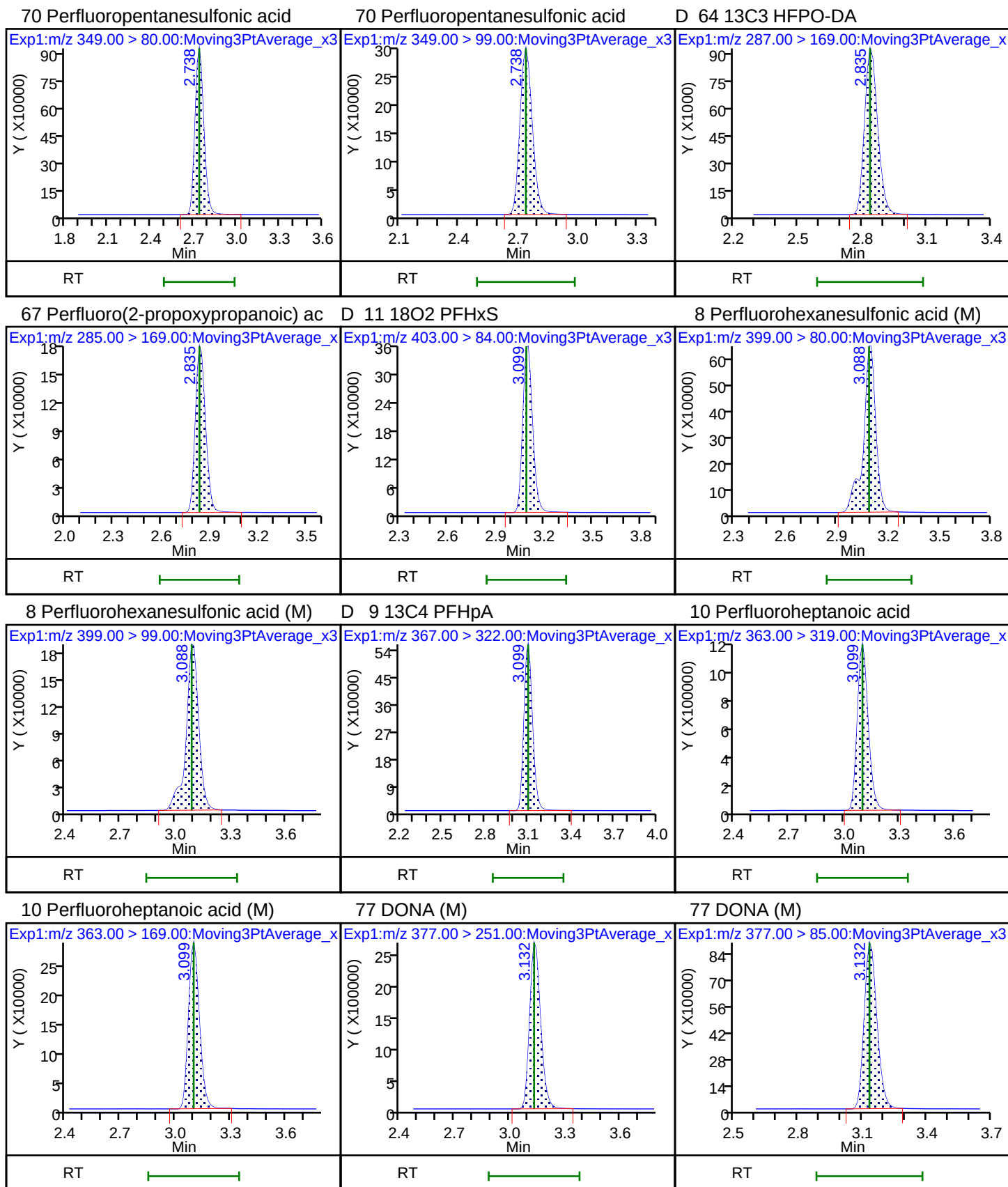


D 7 13C2 PFHxA

6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid

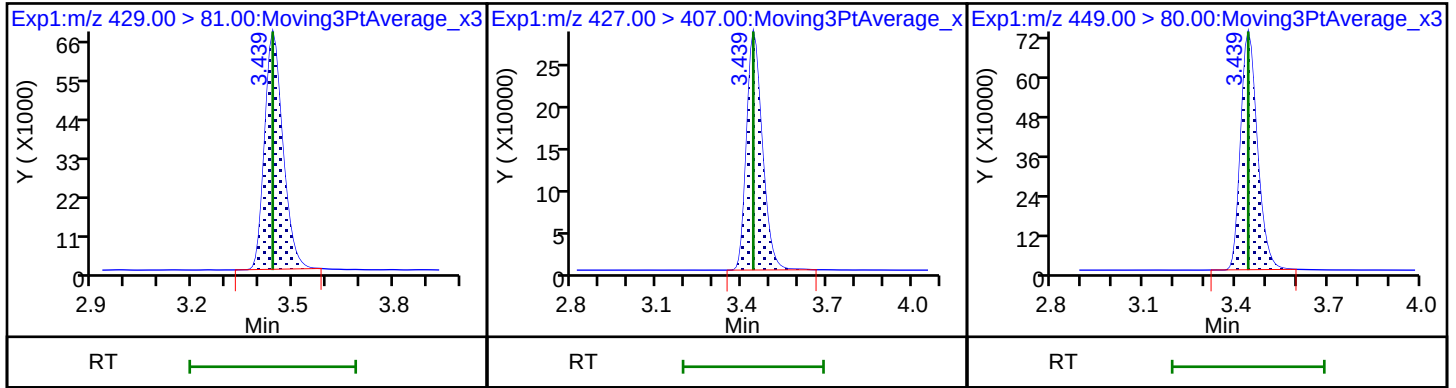




D 12 M2-6:2 FTS

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

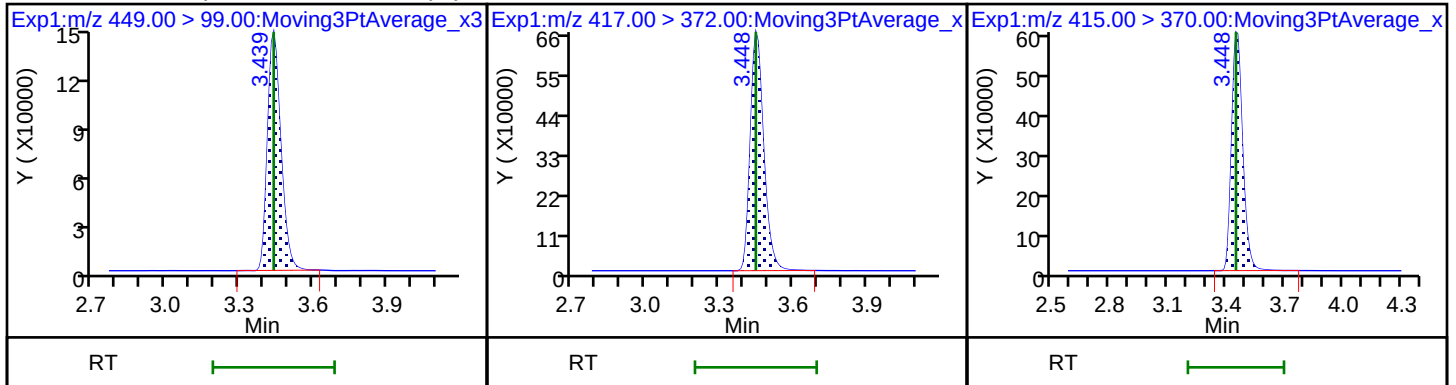
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

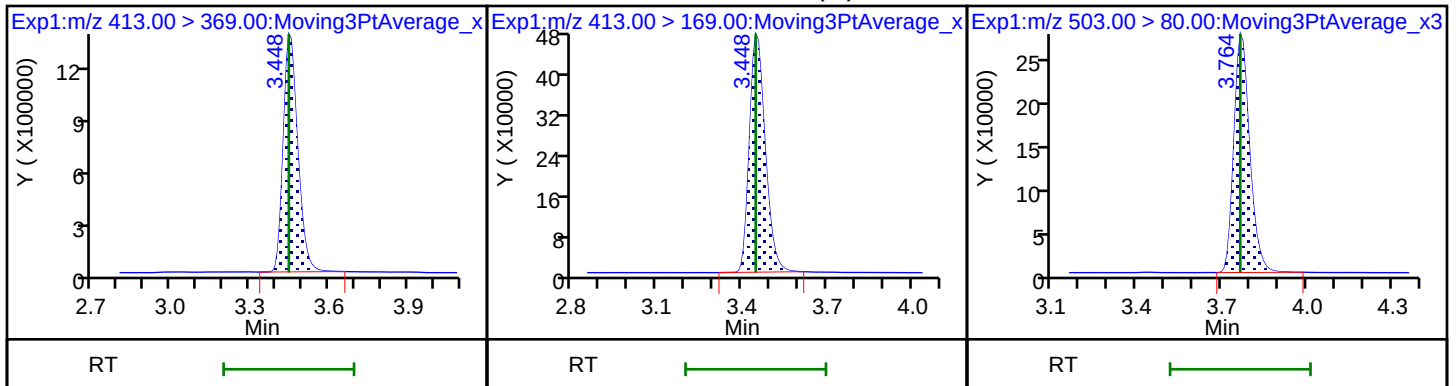
* 62 13C2 PFOA



15 Perfluorooctanoic acid

15 Perfluorooctanoic acid (M)

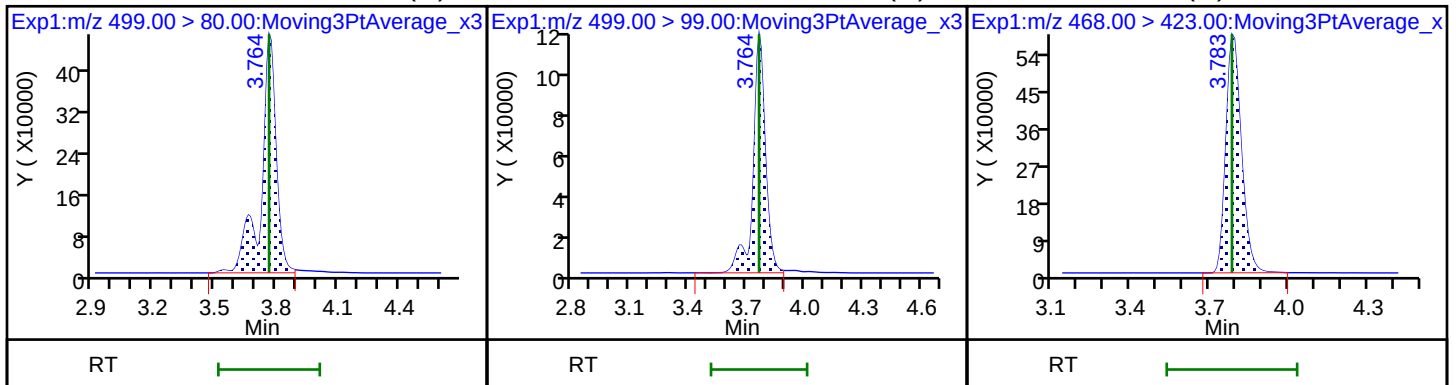
D 18 13C4 PFOS

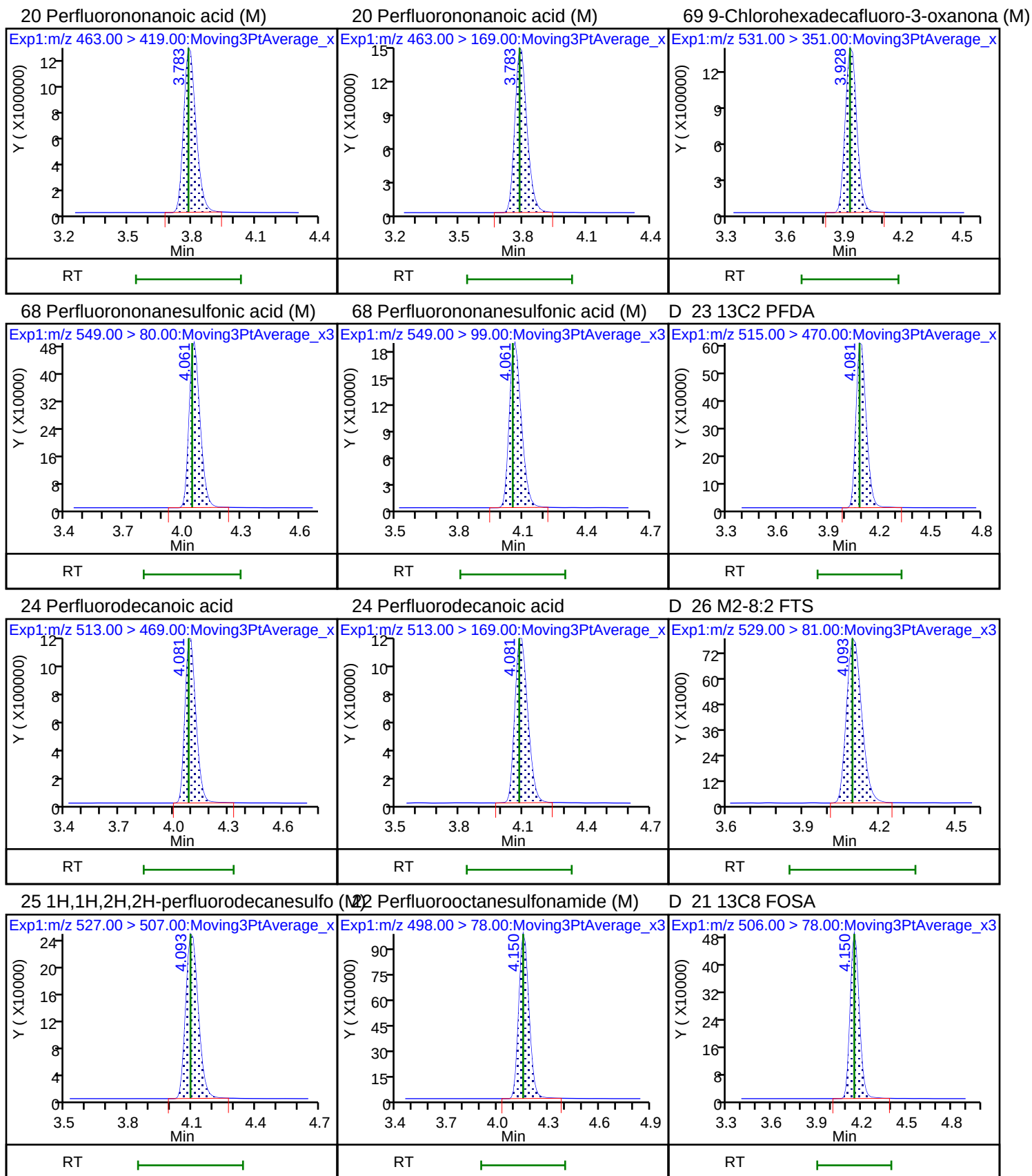


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

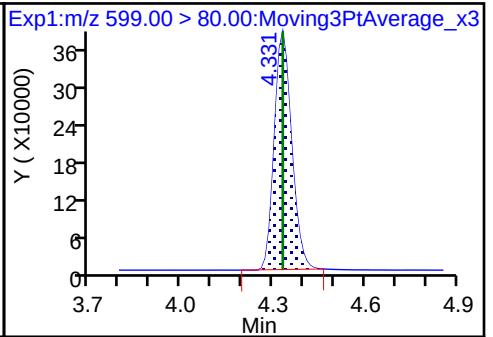
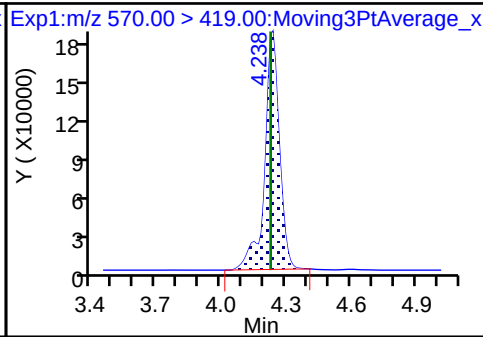
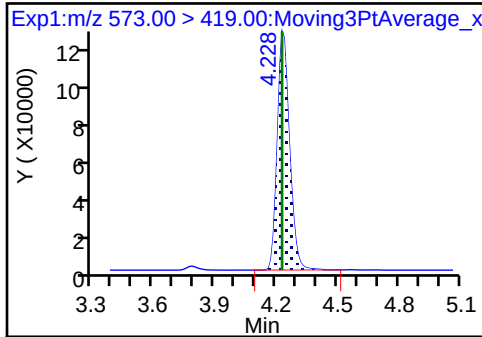
D 19 13C5 PFNA (M)





D 27 d3-NMeFOSAA

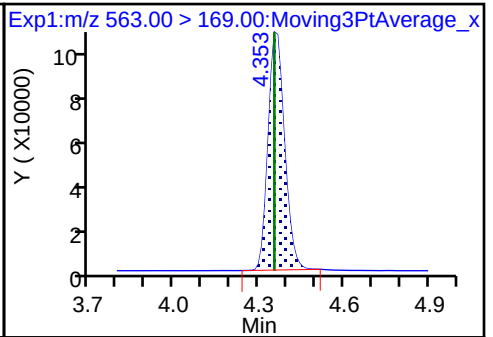
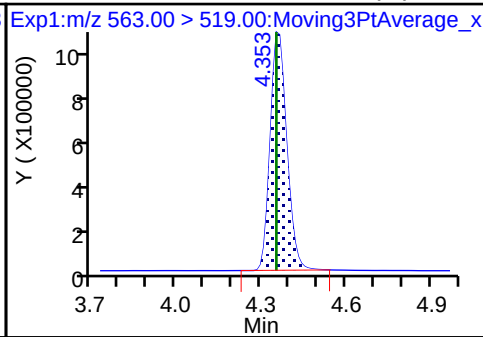
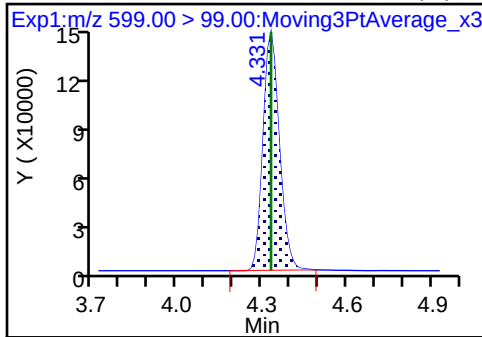
28 N-methylperfluorooctanesulfonami (M) 29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

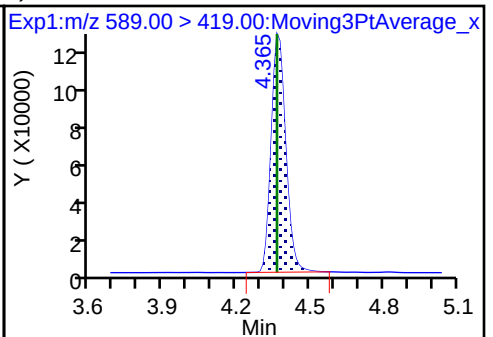
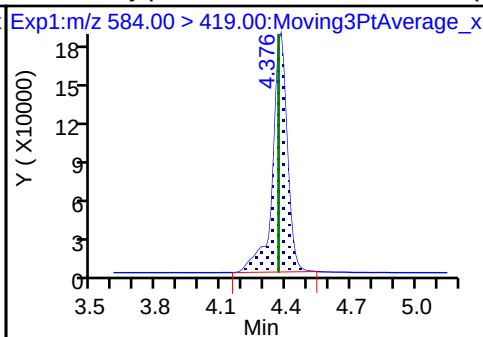
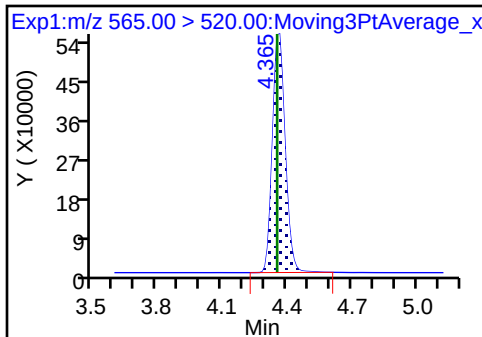
31 Perfluoroundecanoic acid (M)

31 Perfluoroundecanoic acid



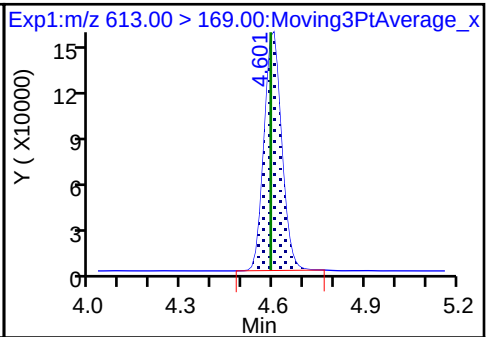
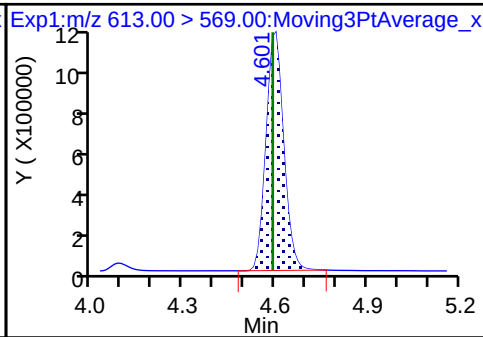
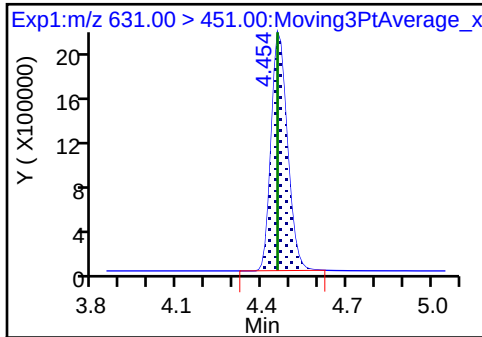
D 30 13C2 PFUnA

33 N-ethylperfluorooctanesulfonamid (M) 32 d5-NEtFOSAA



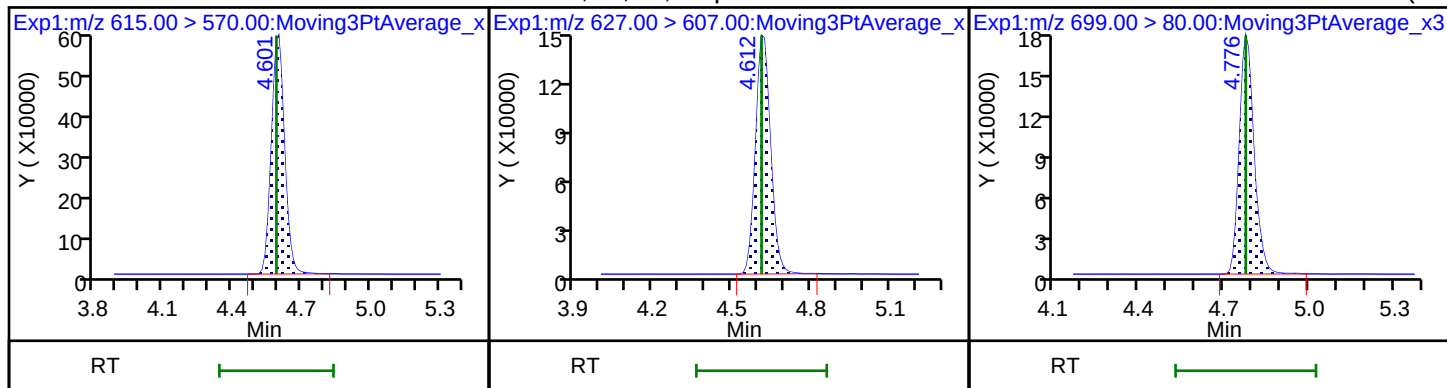
66 11-Chloroeicosafluoro-3-oxaundec (M) 37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid (M)



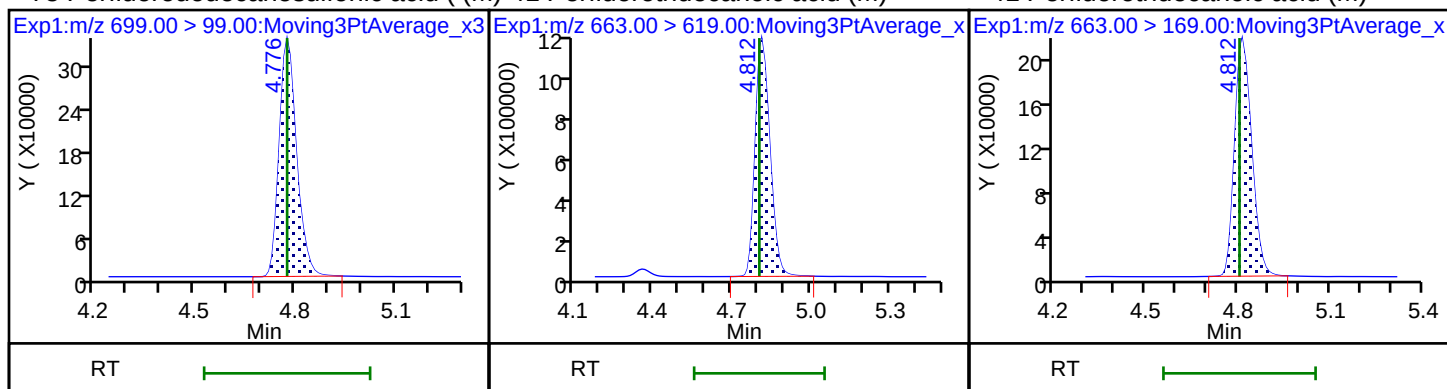
D 36 13C2 PFD0A

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



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

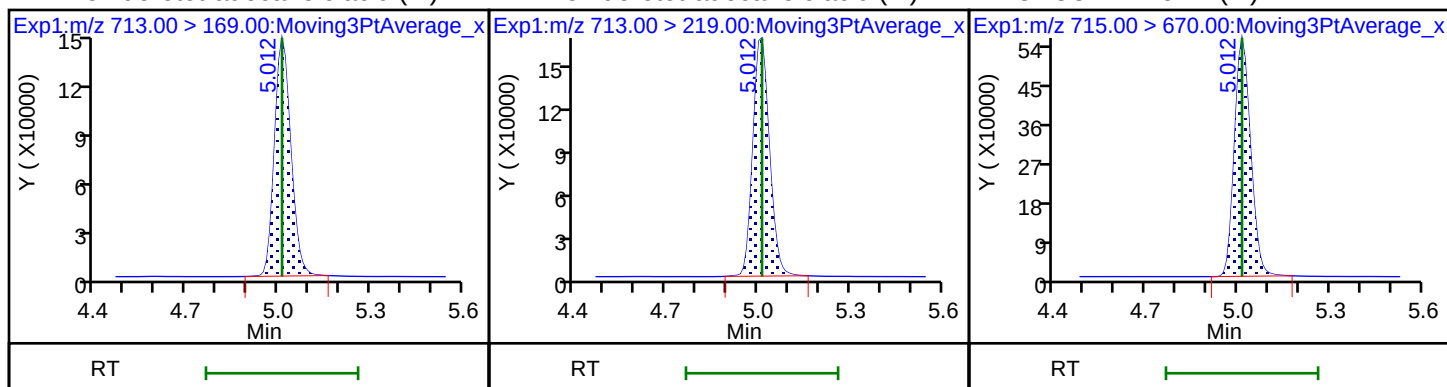
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

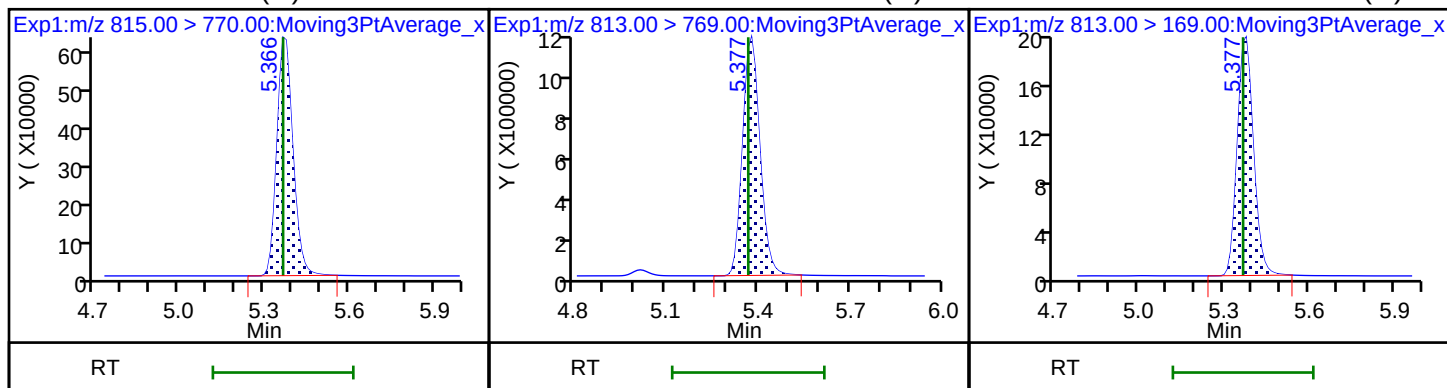
D 43 13C2 PFTeDA (M)



D 44 13C2 PFHxDA (M)

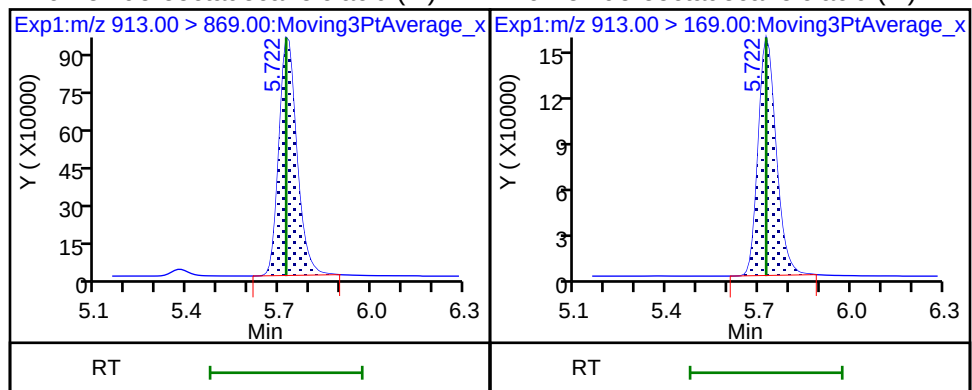
45 Perfluorohexadecanoic acid (M)

45 Perfluorohexadecanoic acid (M)



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



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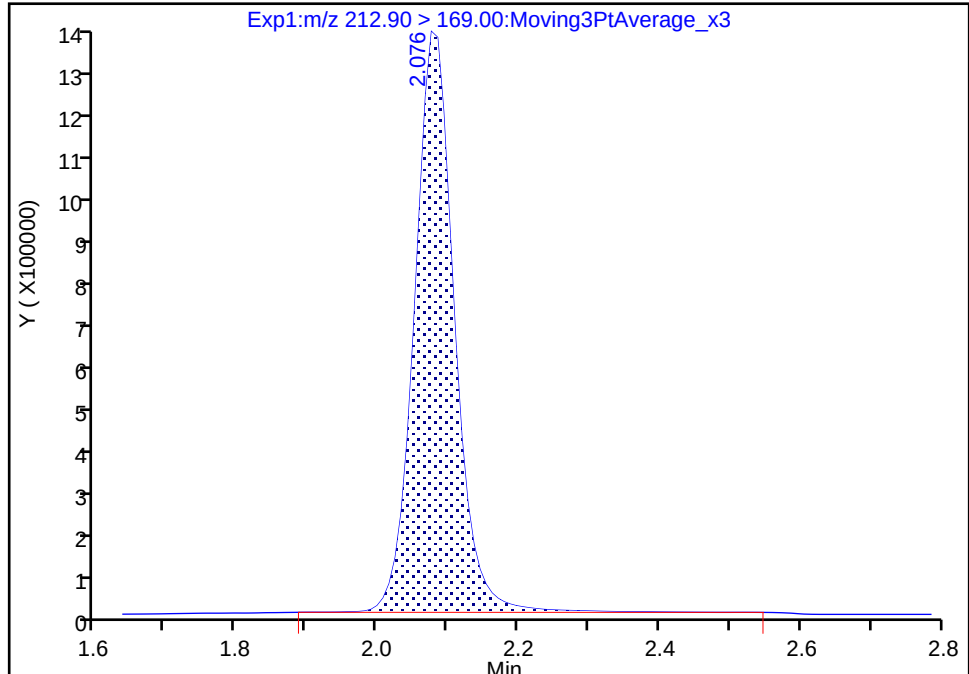
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Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

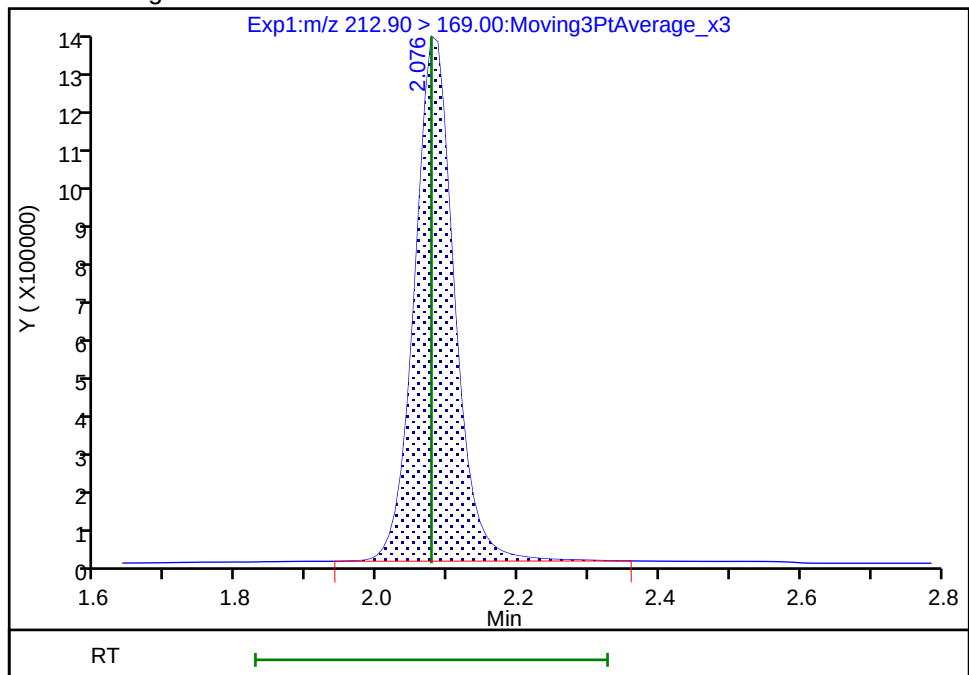
RT: 2.08
Area: 5129420
Amount: 2.272604
Amount Units: ng/ml

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
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PM

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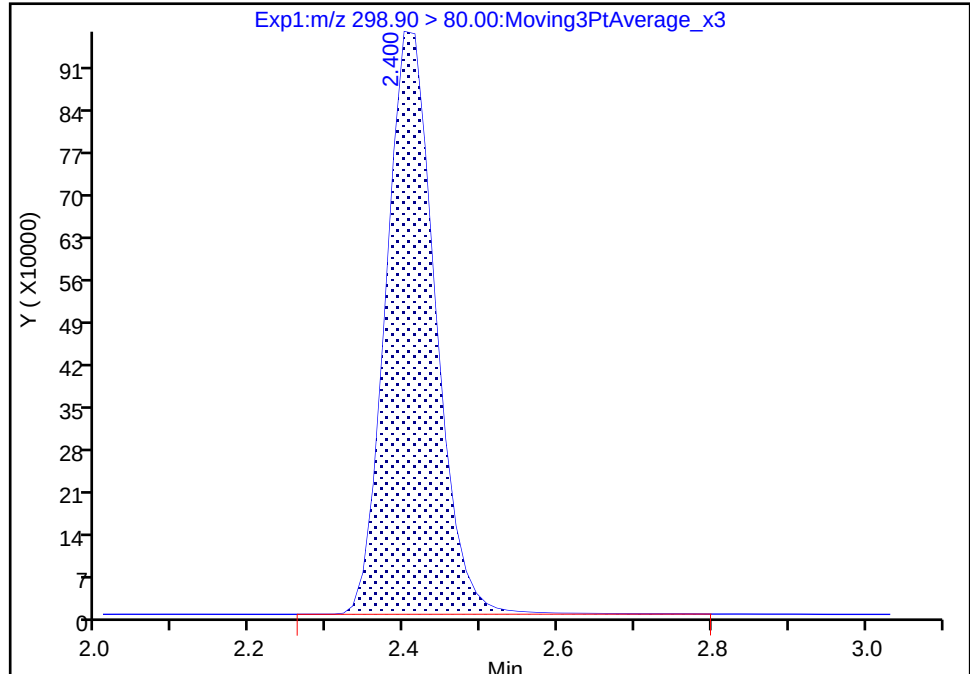
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

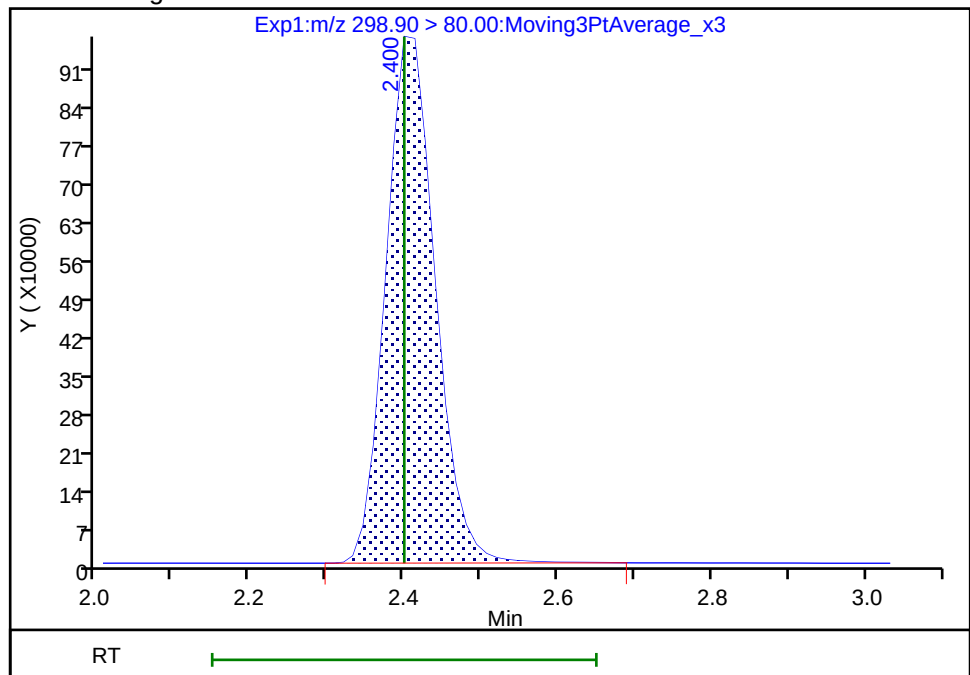
RT: 2.40
Area: 4298516
Amount: 2.130457
Amount Units: ng/ml

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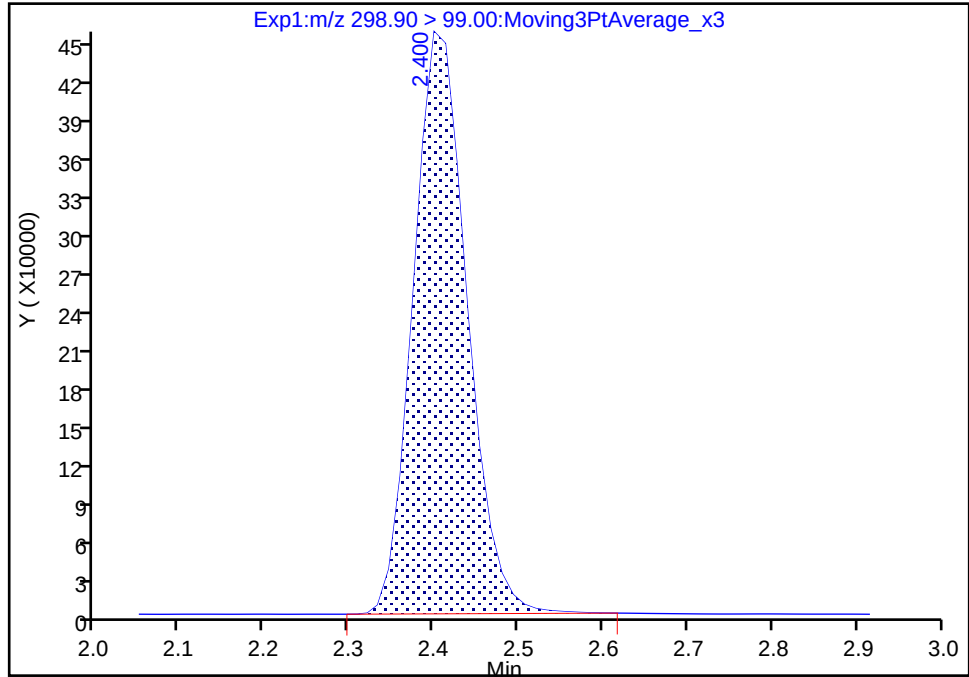
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Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

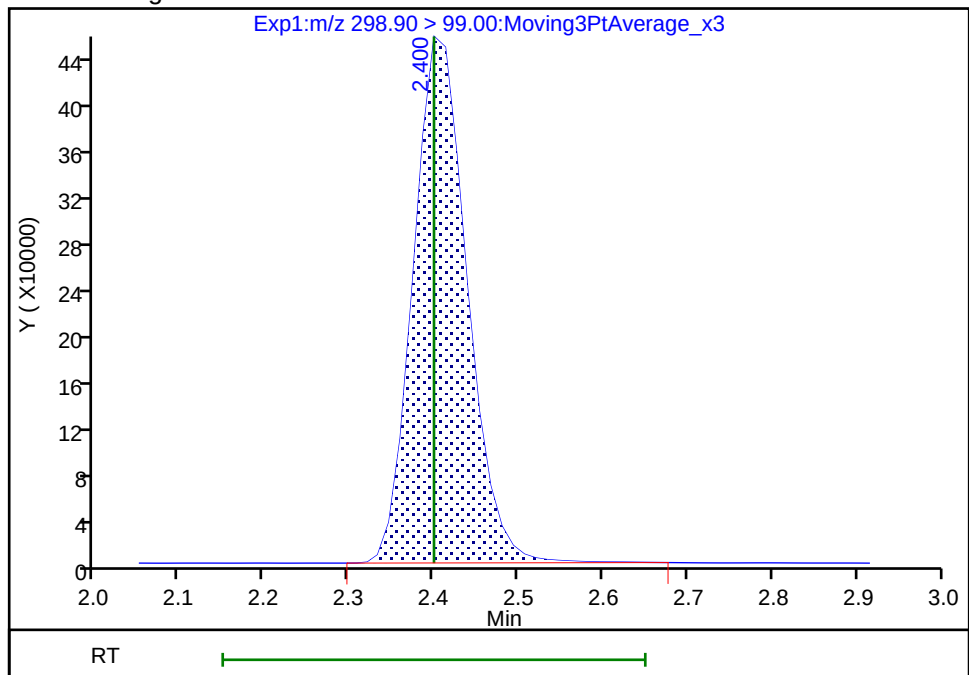
RT: 2.40
Area: 2019708
Amount: 2.130457
Amount Units: ng/ml

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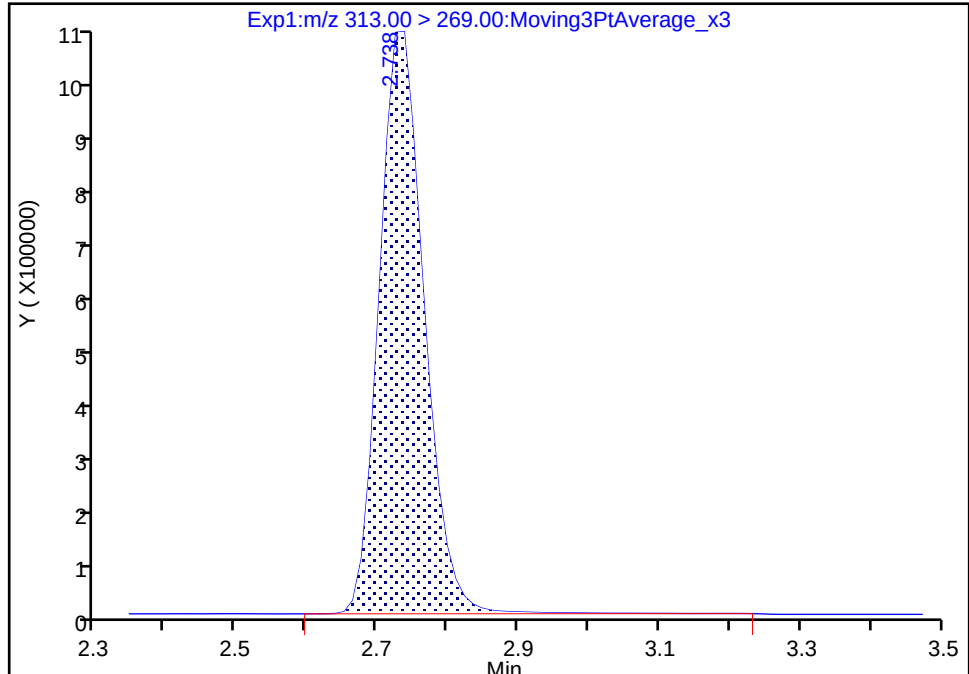
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

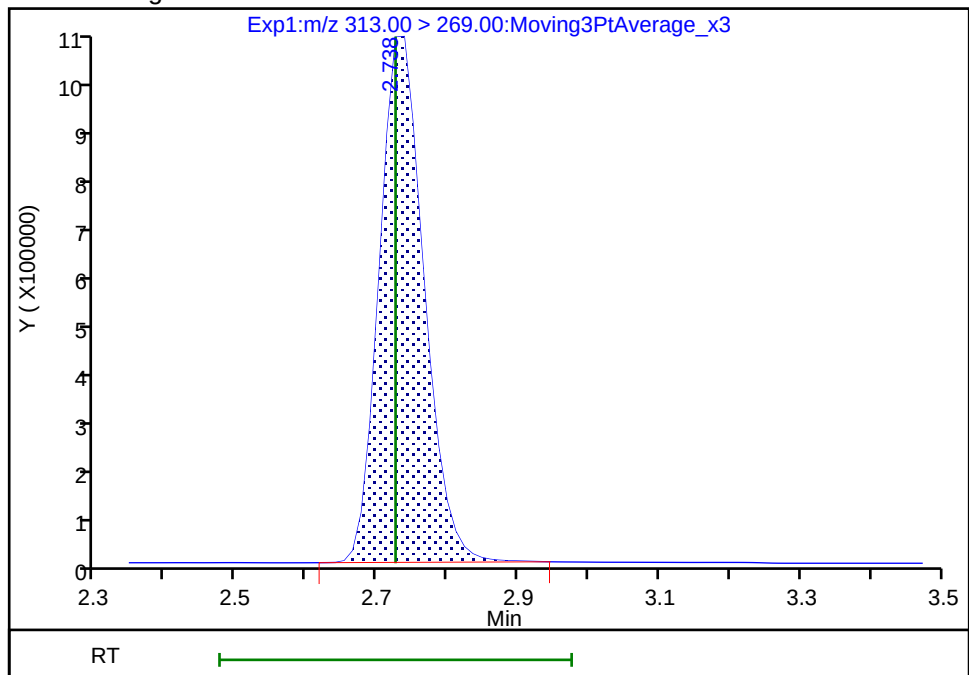
RT: 2.74
Area: 4577392
Amount: 2.375601
Amount Units: ng/ml

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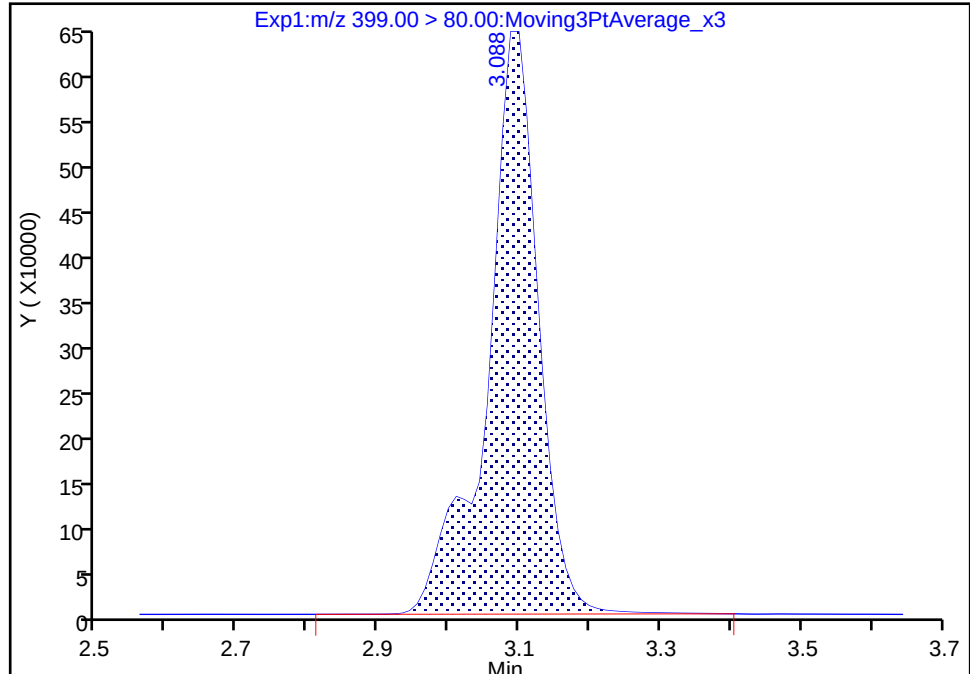
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

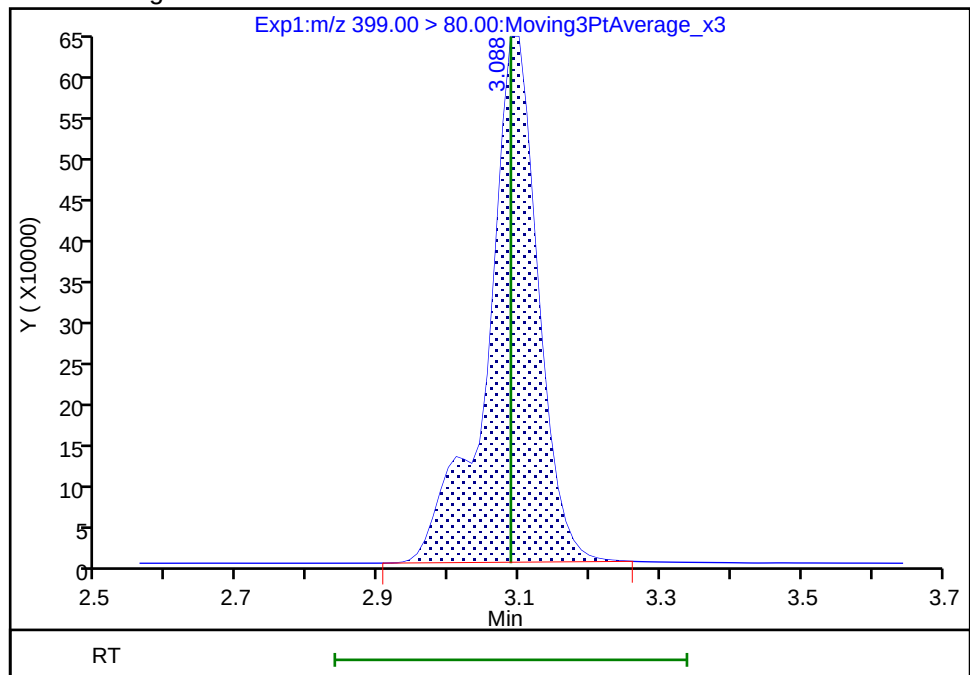
RT: 3.09
Area: 3243457
Amount: 2.251723
Amount Units: ng/ml

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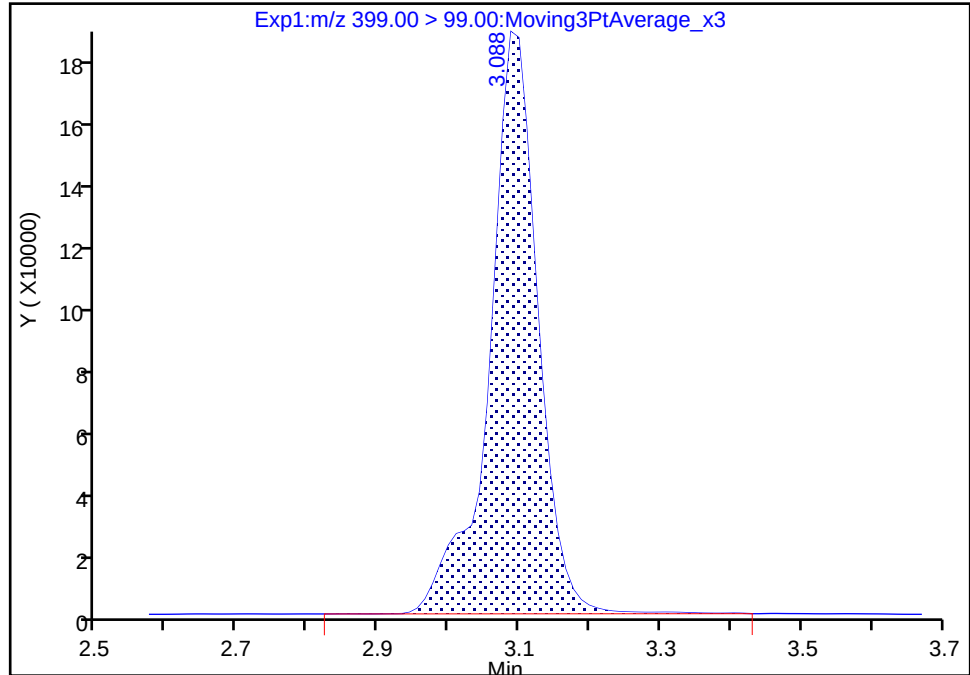
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

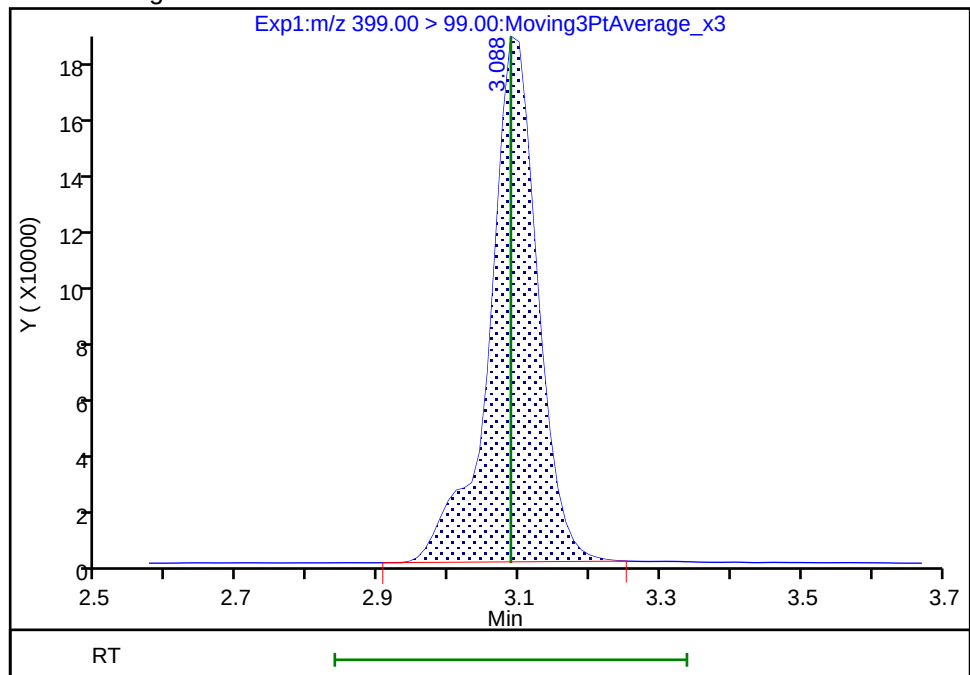
RT: 3.09
Area: 898780
Amount: 2.251723
Amount Units: ng/ml

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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Eurofins Burlington

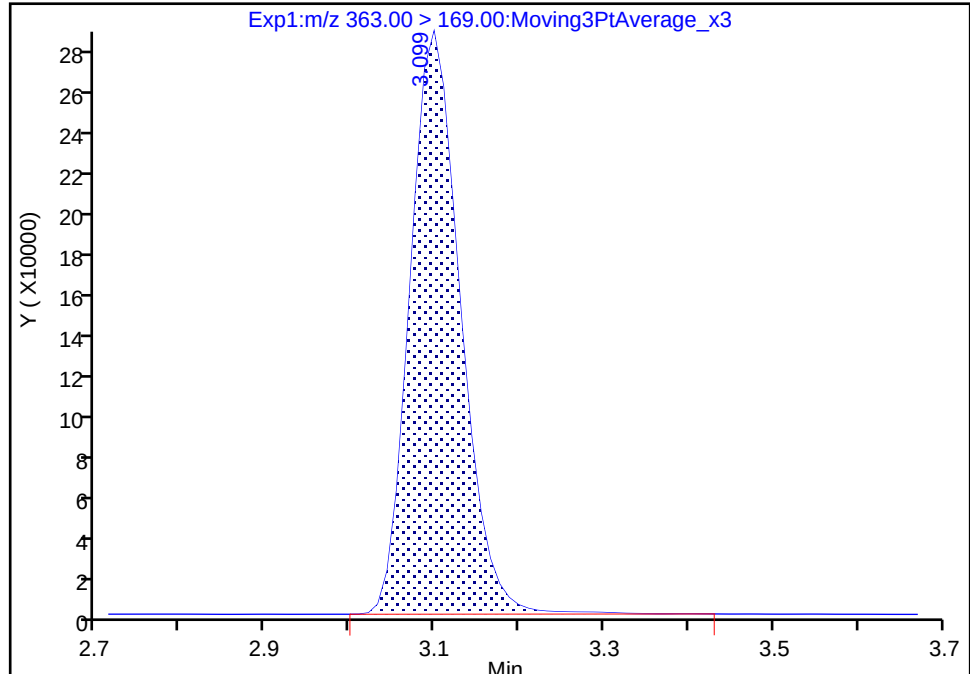
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Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

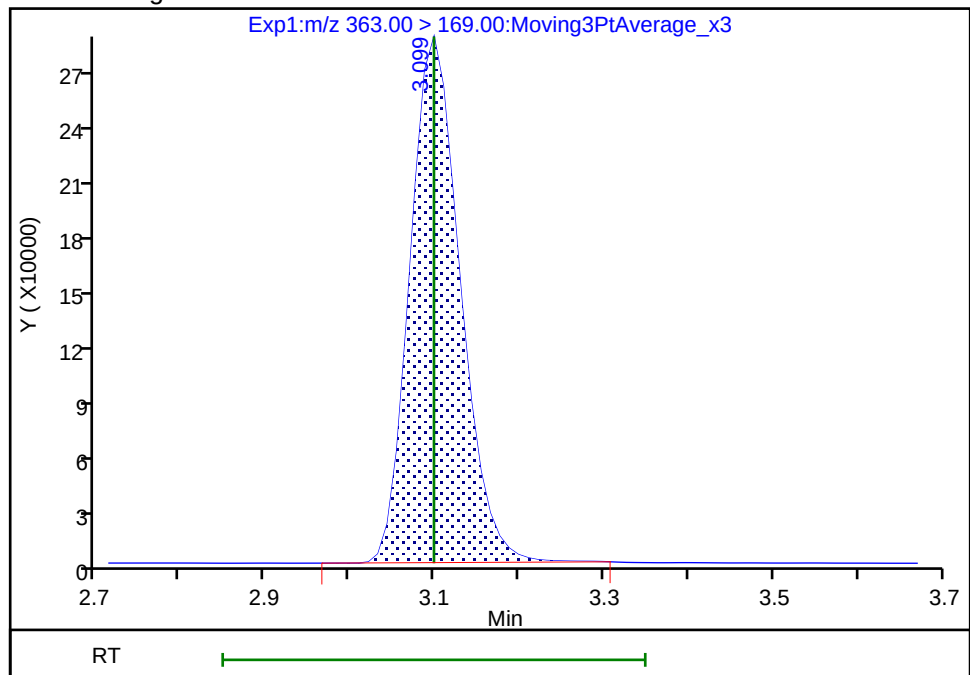
RT: 3.10
Area: 1190139
Amount: 2.284231
Amount Units: ng/ml

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
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PM

Eurofins Burlington

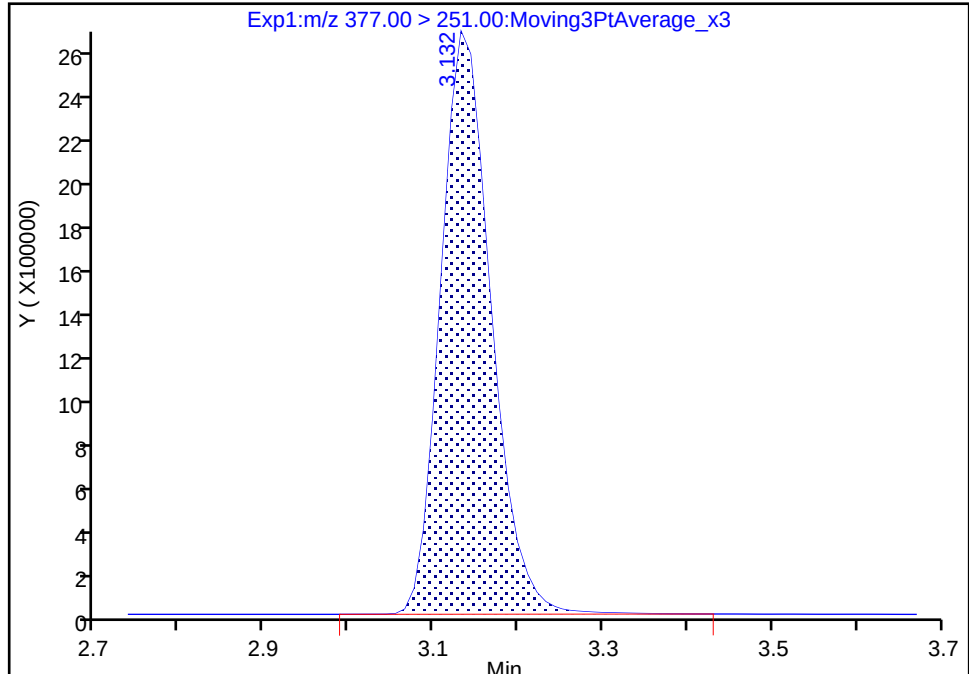
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

77 DONA, CAS: 919005-14-4

Signal: 1

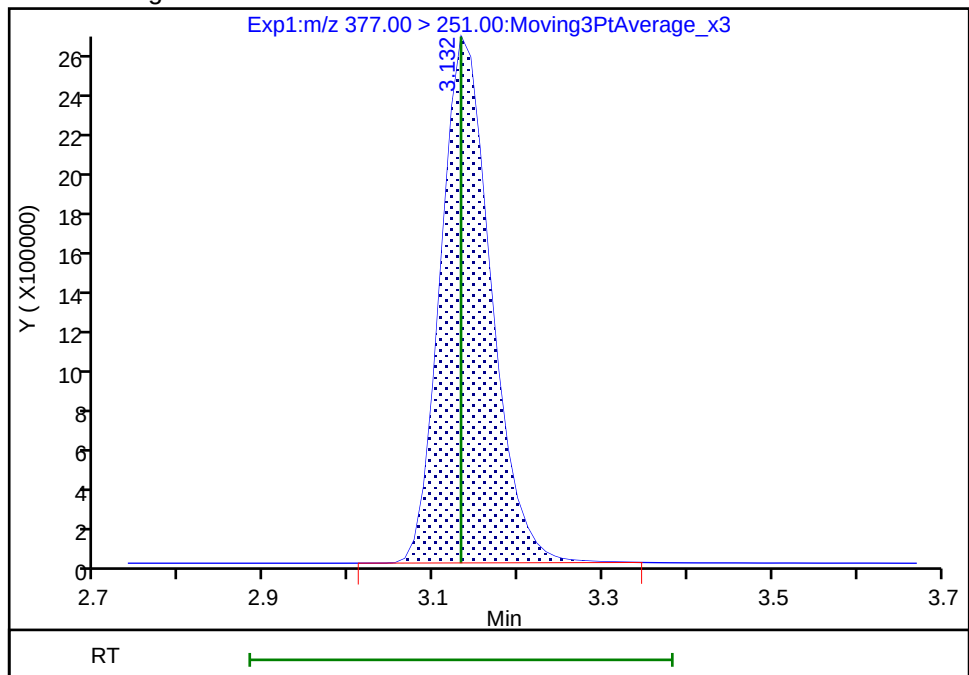
RT: 3.13
Area: 10854434
Amount: 2.160250
Amount Units: ng/ml

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
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Eurofins Burlington

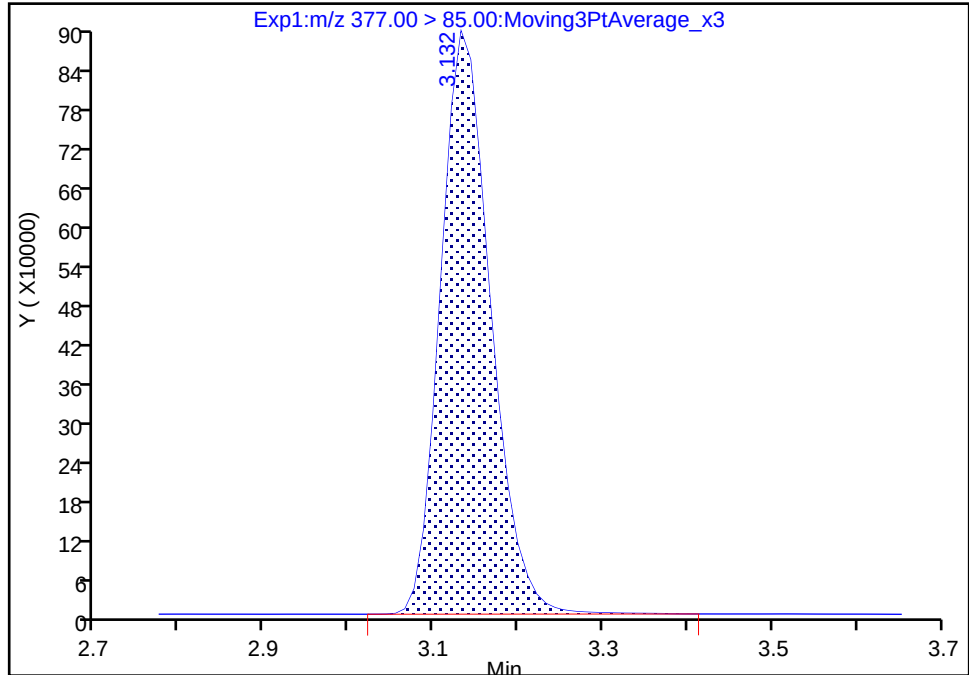
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

77 DONA, CAS: 919005-14-4

Signal: 2

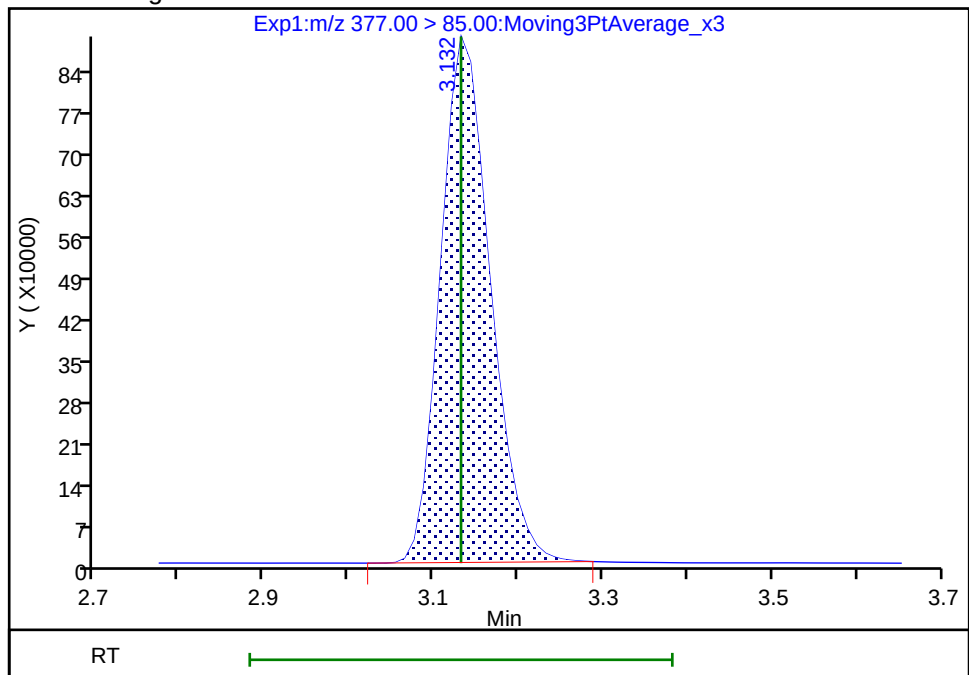
RT: 3.13
Area: 3658251
Amount: 2.160250
Amount Units: ng/ml

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
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Eurofins Burlington

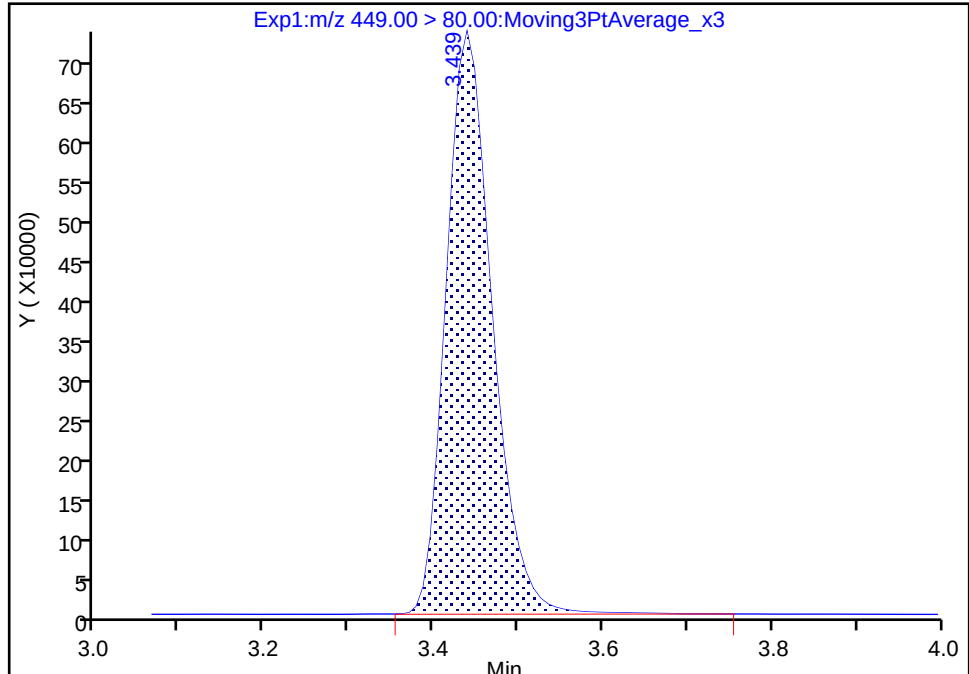
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

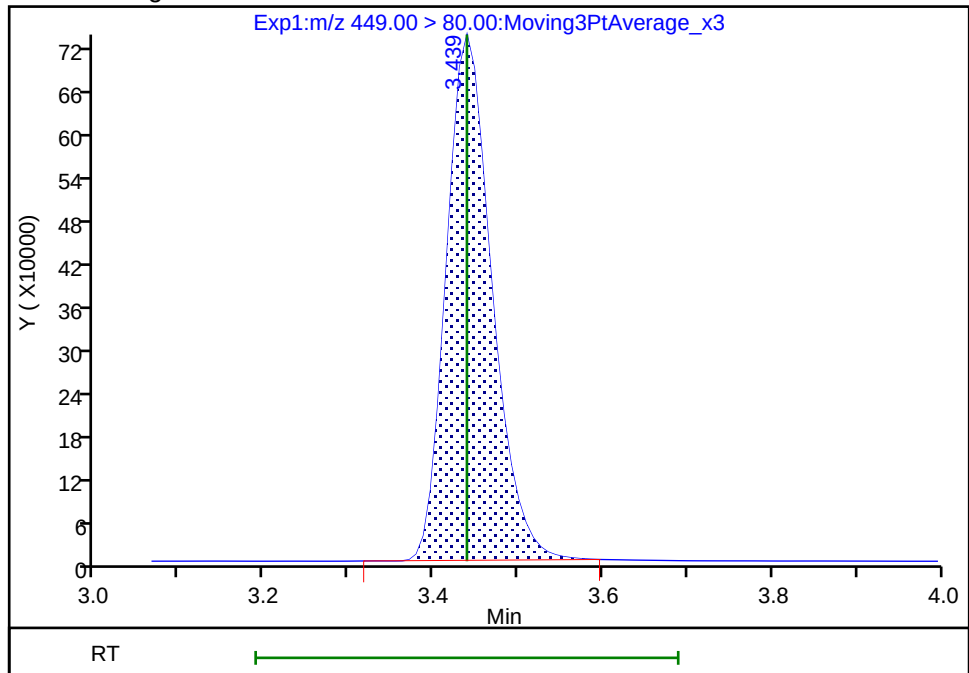
RT: 3.44
Area: 2770748
Amount: 2.218630
Amount Units: ng/ml

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
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Eurofins Burlington

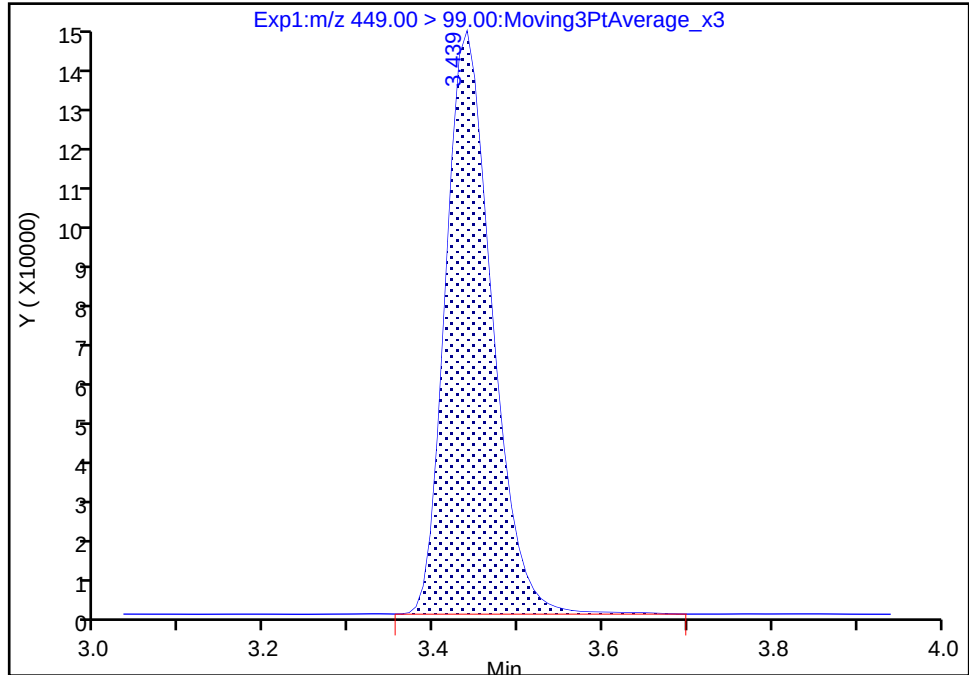
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

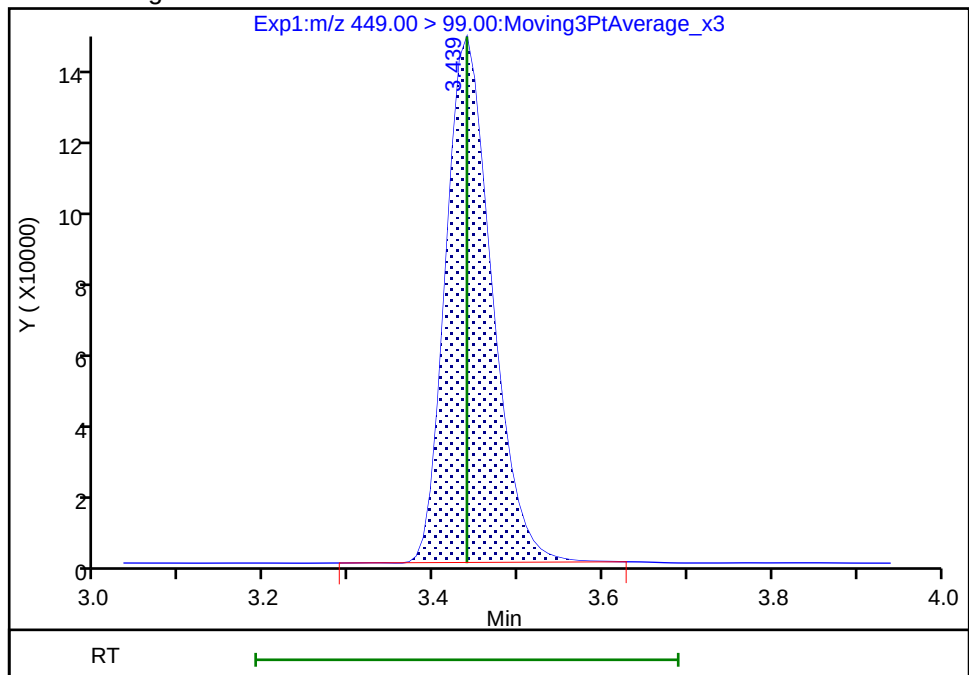
RT: 3.44
Area: 547308
Amount: 2.218630
Amount Units: ng/ml

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
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Eurofins Burlington

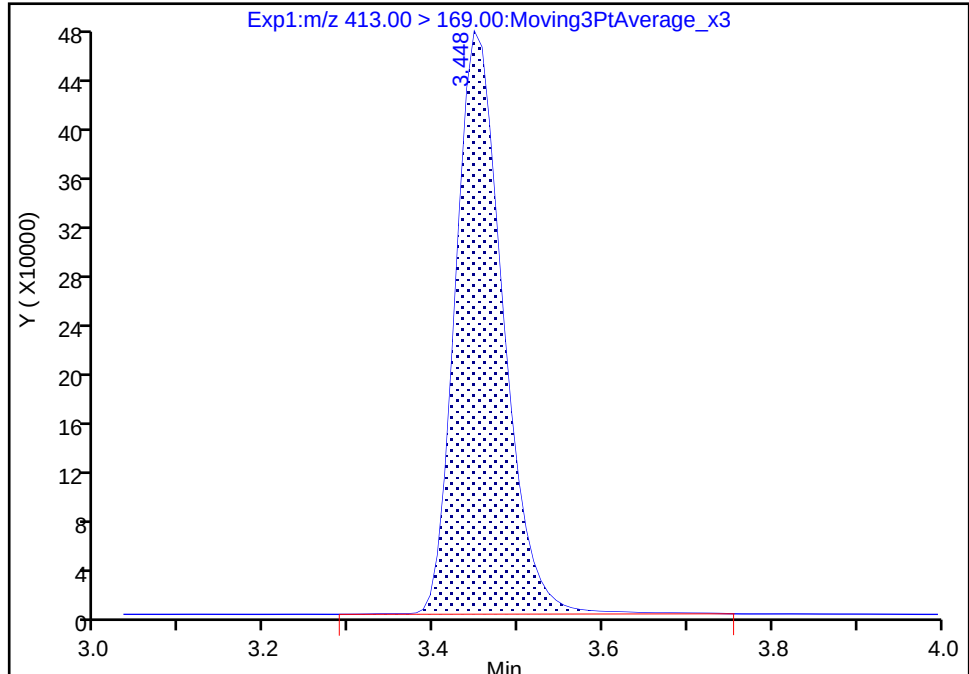
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

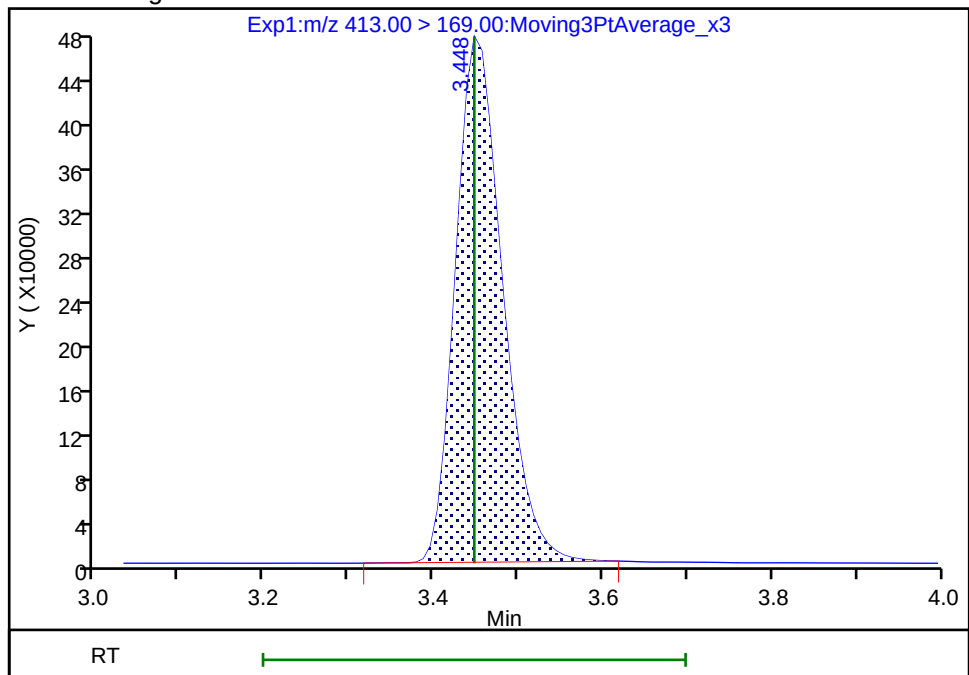
RT: 3.45
Area: 1843216
Amount: 2.392012
Amount Units: ng/ml

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
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Eurofins Burlington

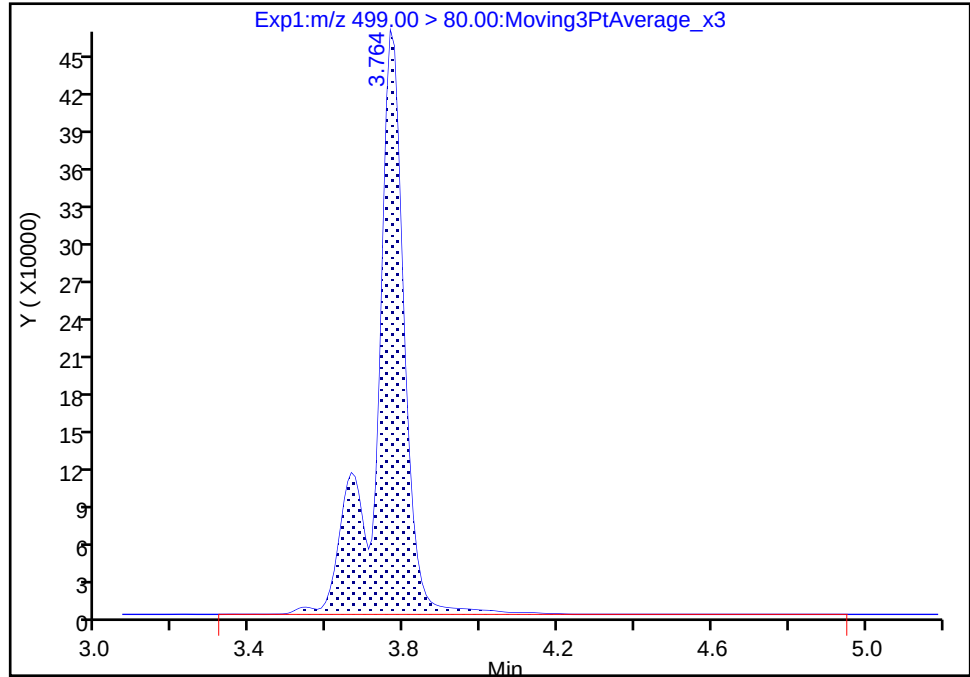
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

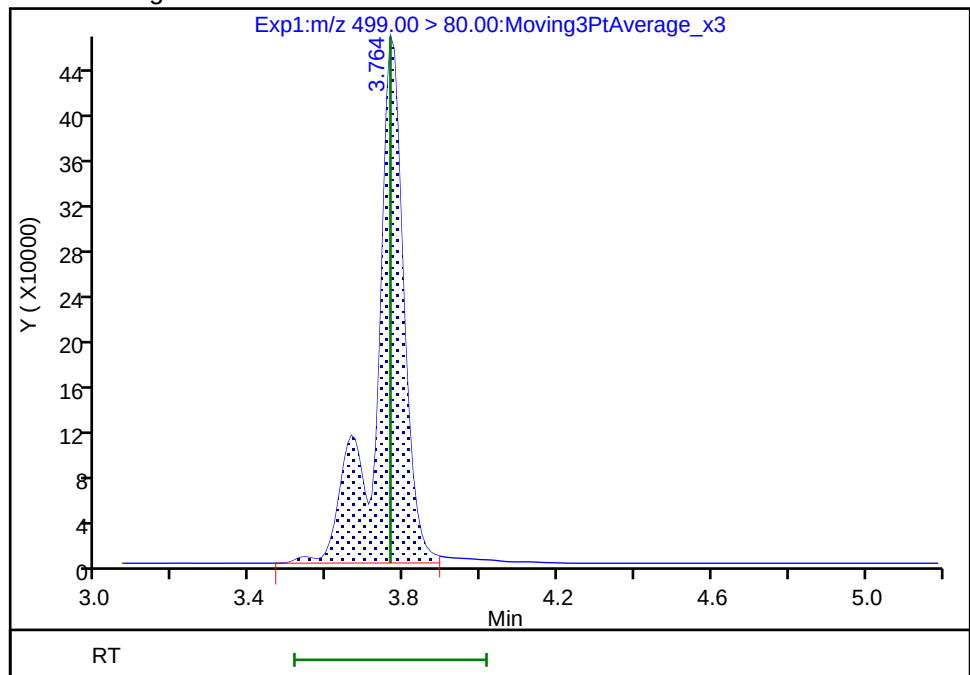
RT: 3.76
Area: 2390090
Amount: 2.188375
Amount Units: ng/ml

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
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Eurofins Burlington

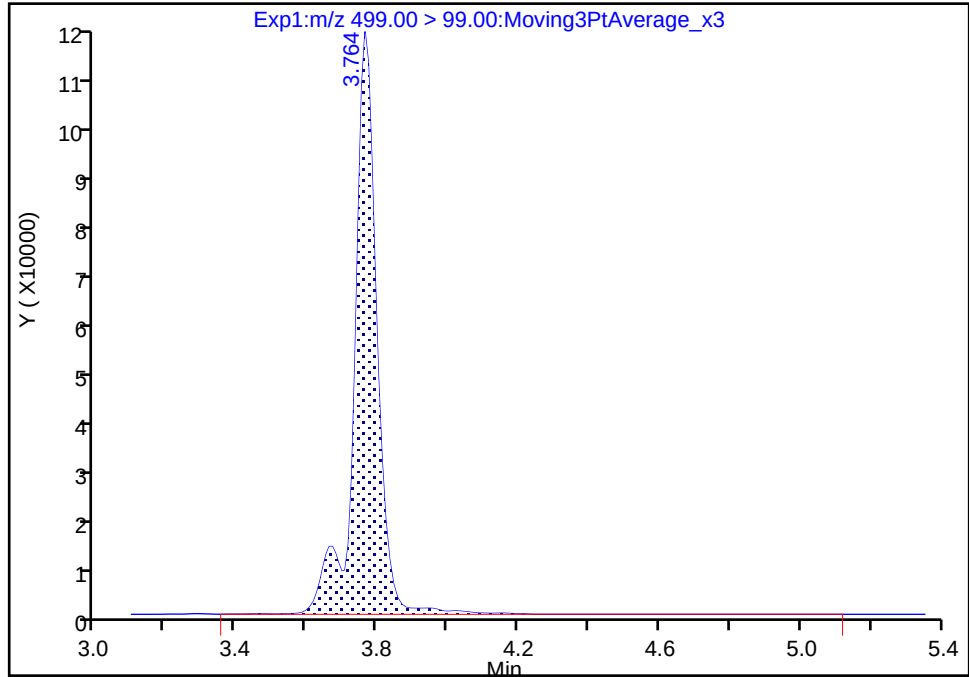
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

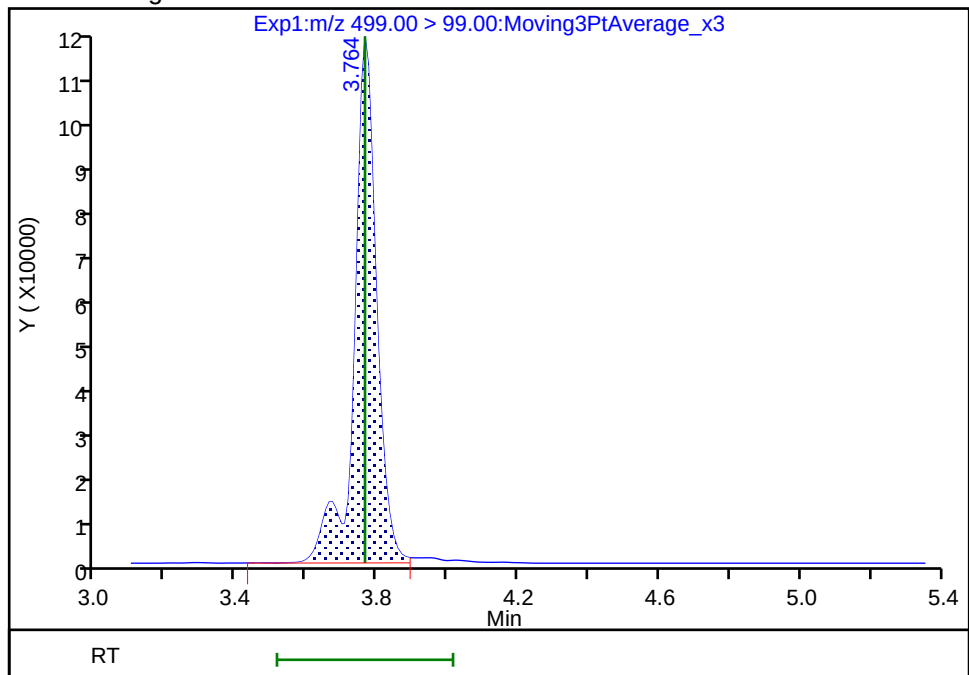
RT: 3.76
Area: 503068
Amount: 2.188375
Amount Units: ng/ml

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
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Eurofins Burlington

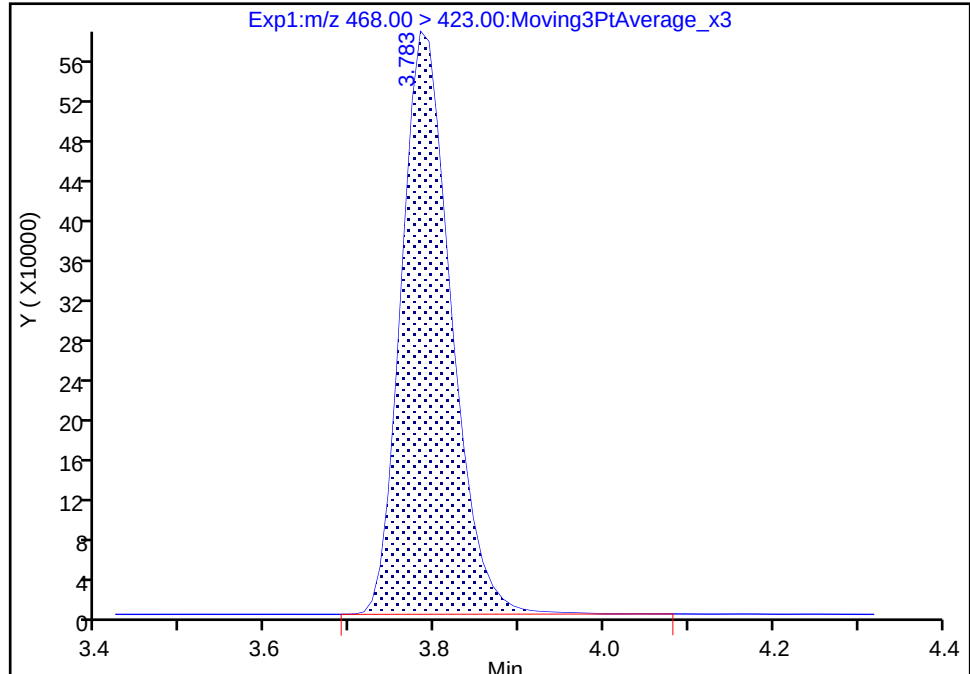
Data File:	\\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d		
Injection Date:	18-Nov-2022 15:02:36	Instrument ID:	LC812
Lims ID:	IC		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column: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

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

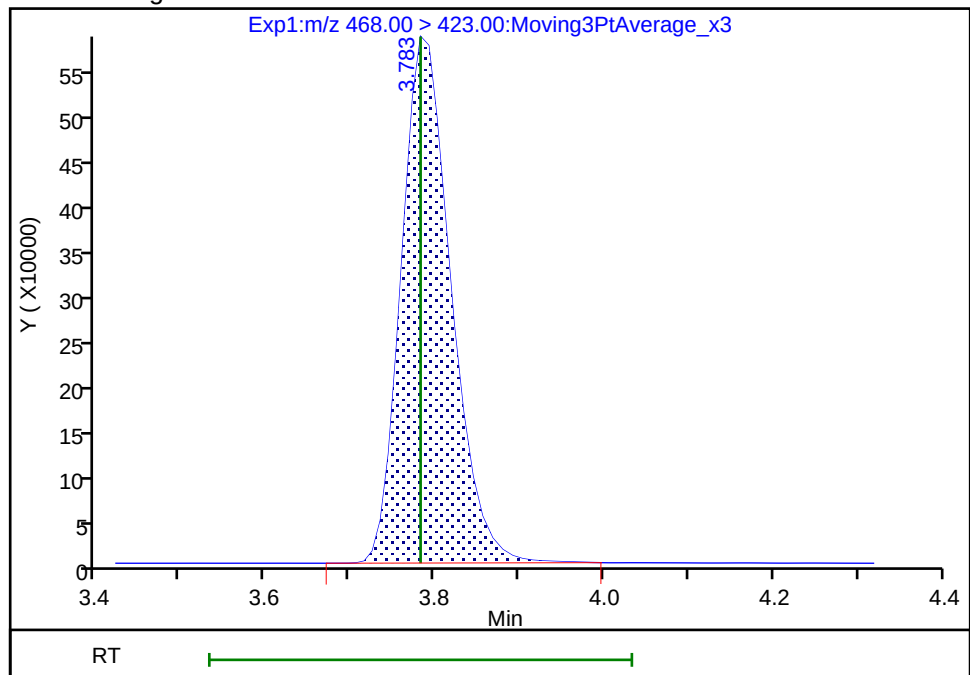
RT: 3.78
Area: 2405533
Amount: 1.262145
Amount Units: ng/ml

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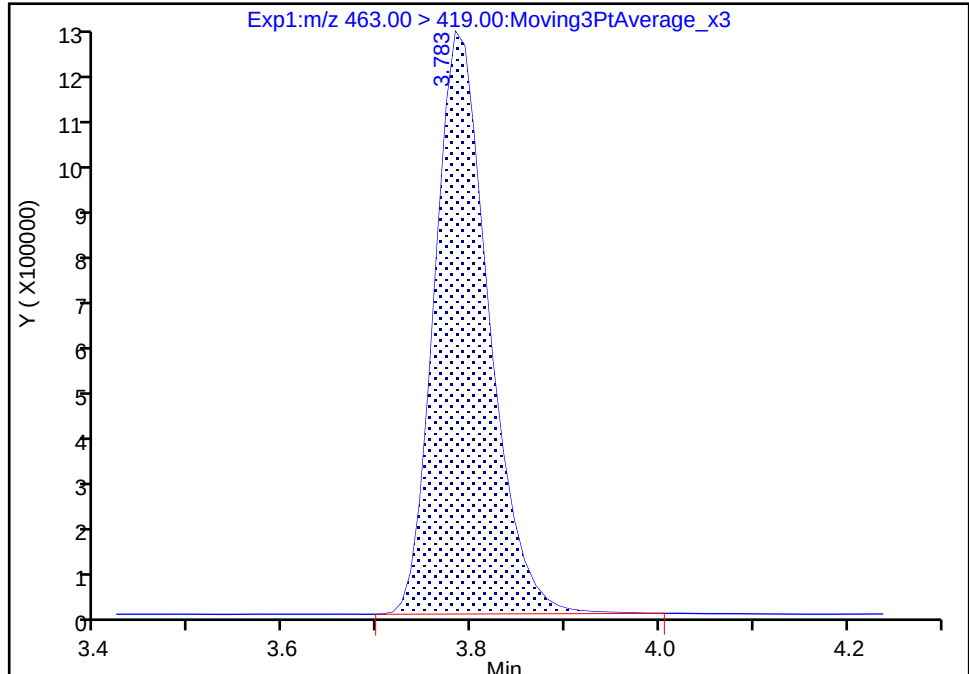
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

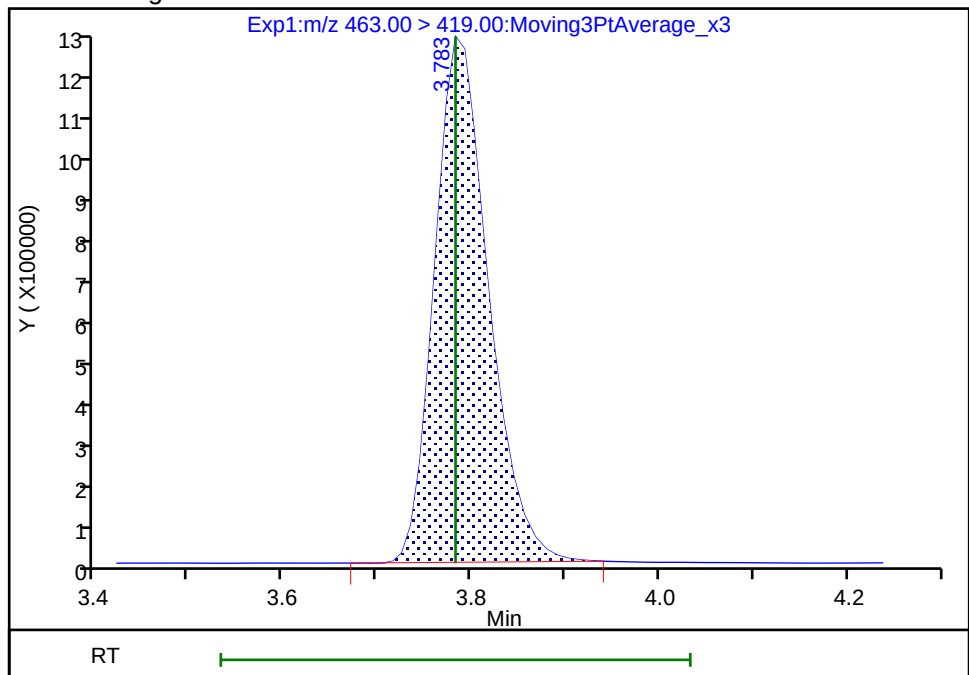
RT: 3.78
Area: 4963599
Amount: 2.455713
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 4930997
Amount: 2.473798
Amount Units: ng/ml

Manual Integration Results



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Audit Action: Manually Integrated

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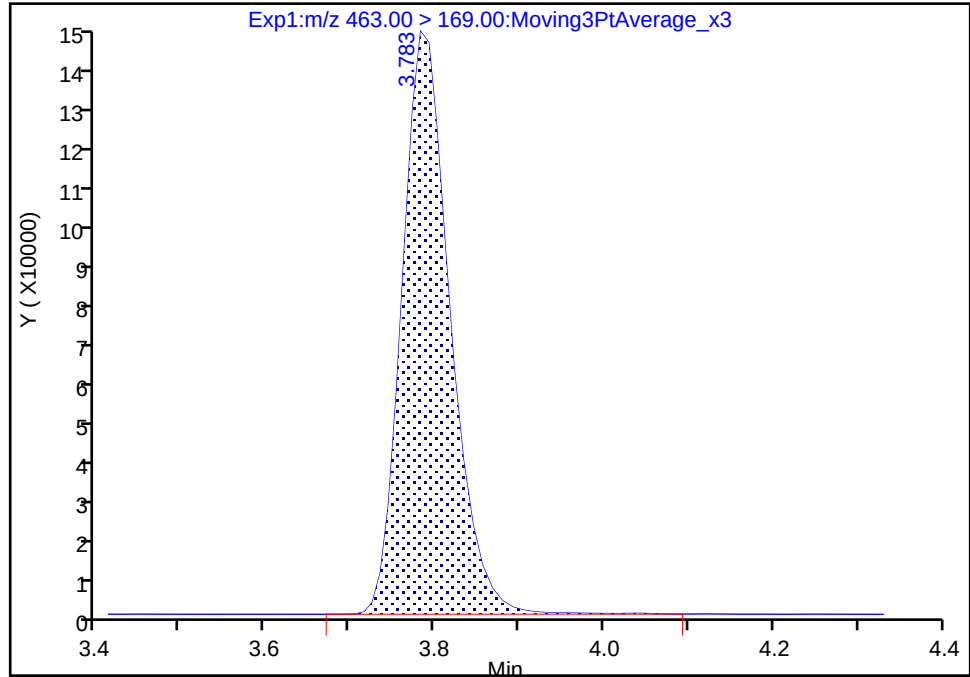
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

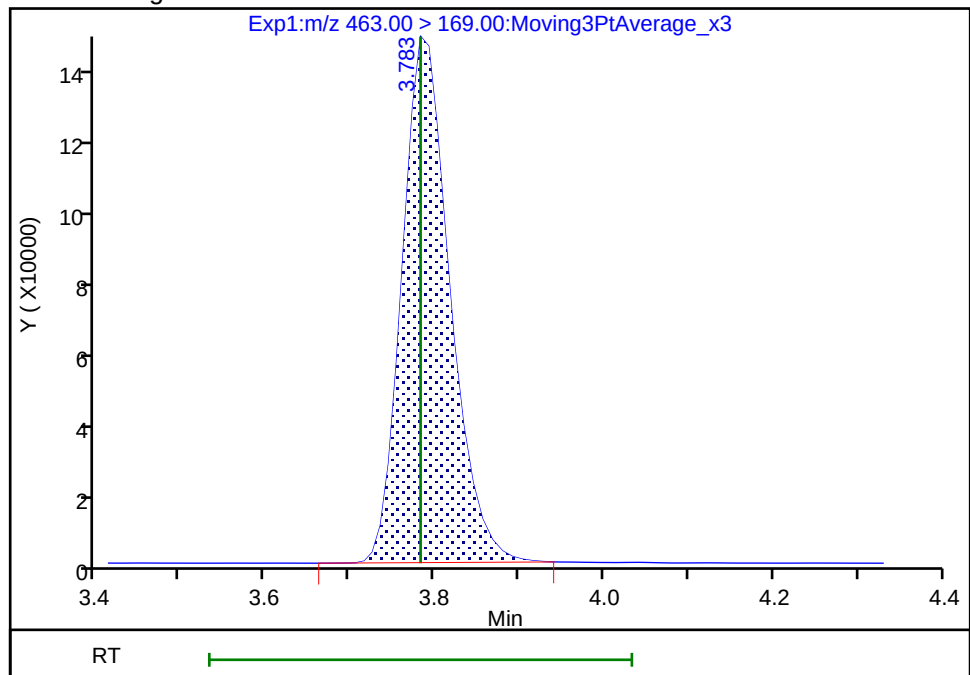
RT: 3.78
Area: 590176
Amount: 2.455713
Amount Units: ng/ml

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

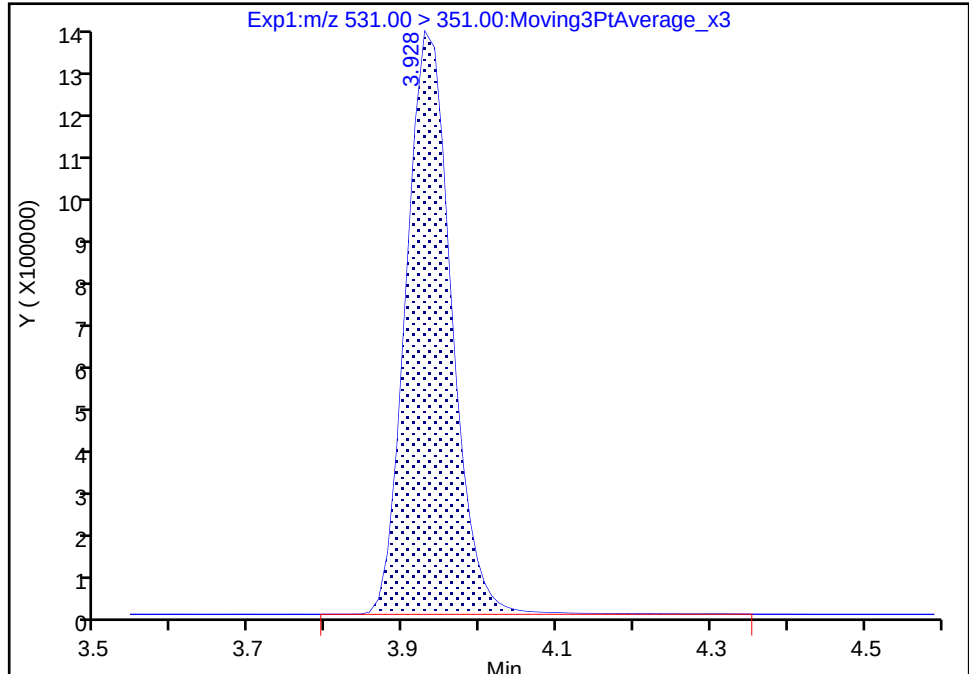
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

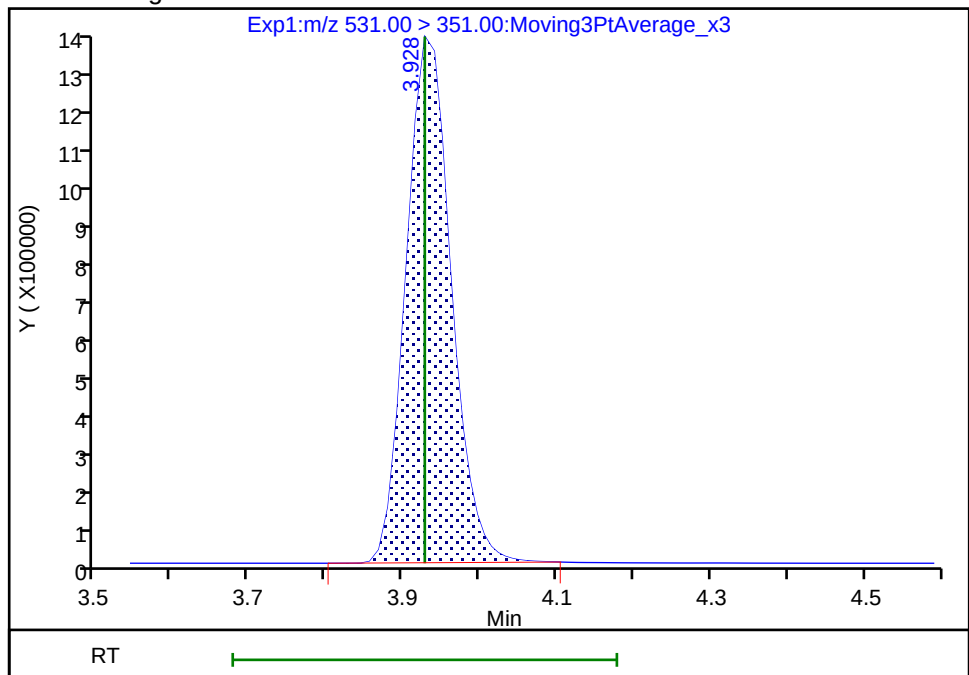
RT: 3.93
Area: 5551905
Amount: 2.217261
Amount Units: ng/ml

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
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Eurofins Burlington

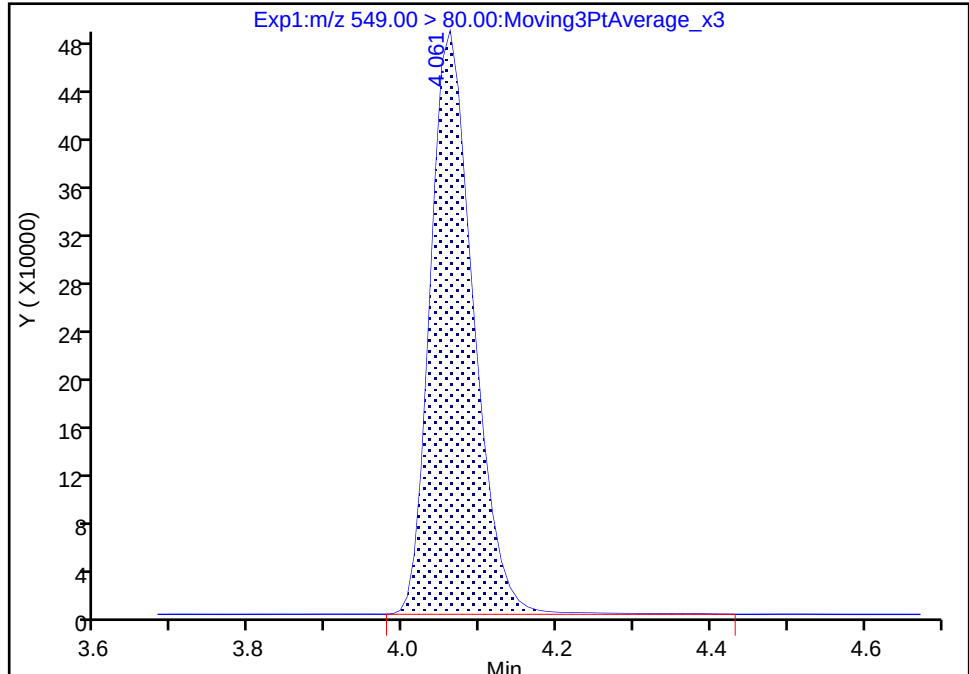
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 1

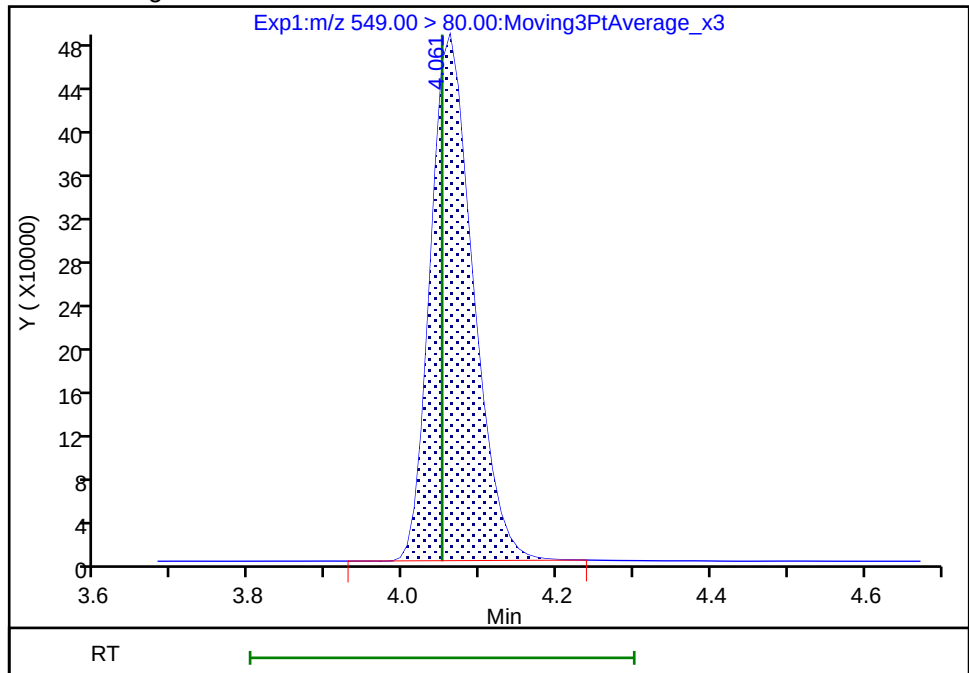
RT: 4.06
Area: 1886351
Amount: 2.304603
Amount Units: ng/ml

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
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Eurofins Burlington

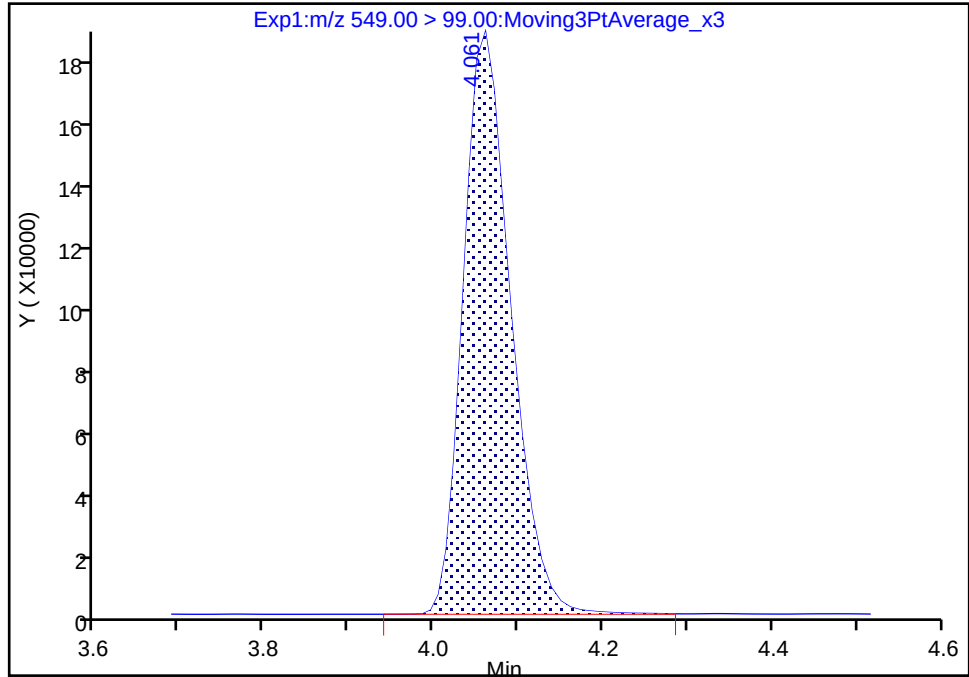
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 2

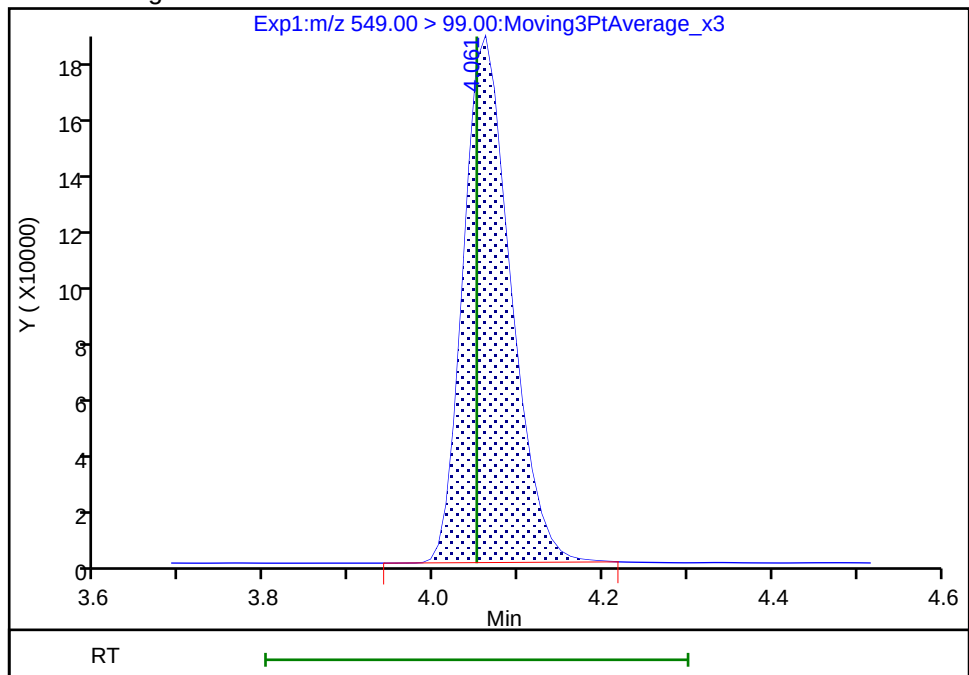
RT: 4.06
Area: 731815
Amount: 2.304603
Amount Units: ng/ml

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
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Eurofins Burlington

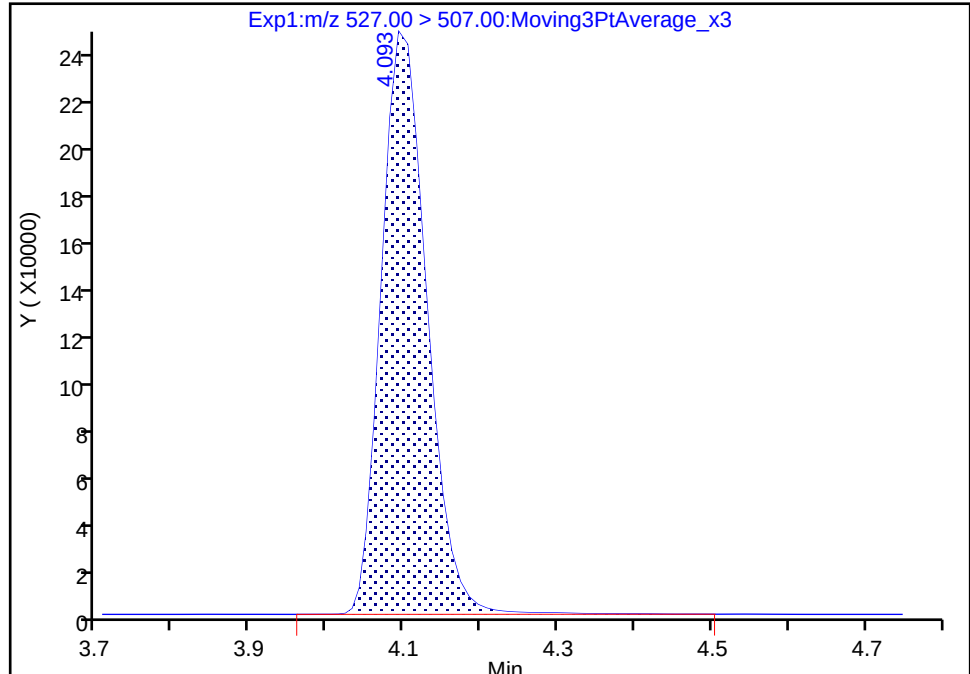
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

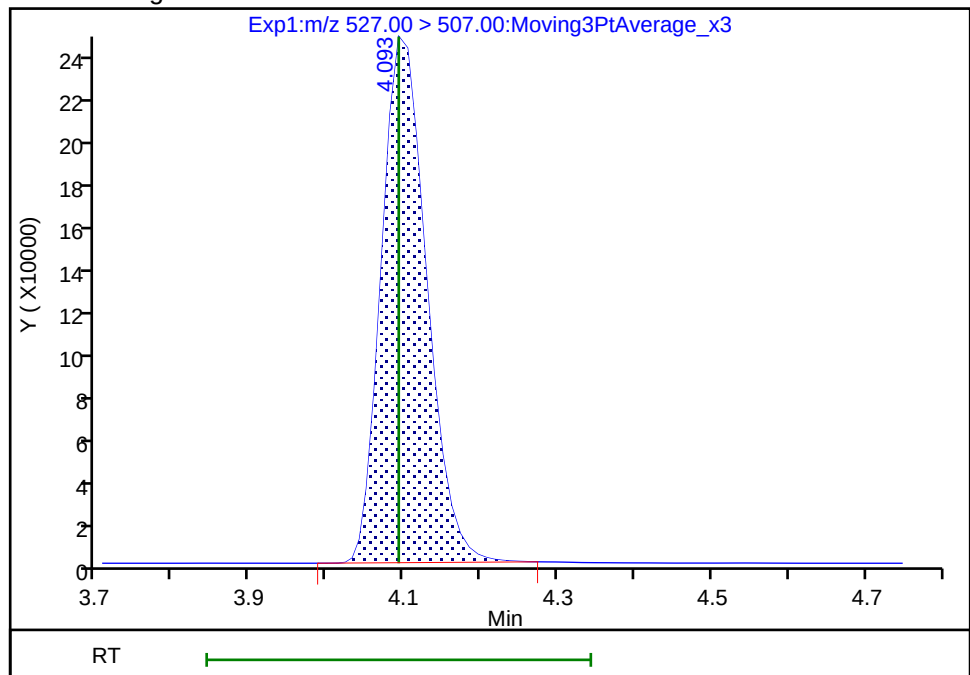
RT: 4.09
Area: 1022916
Amount: 2.334633
Amount Units: ng/ml

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

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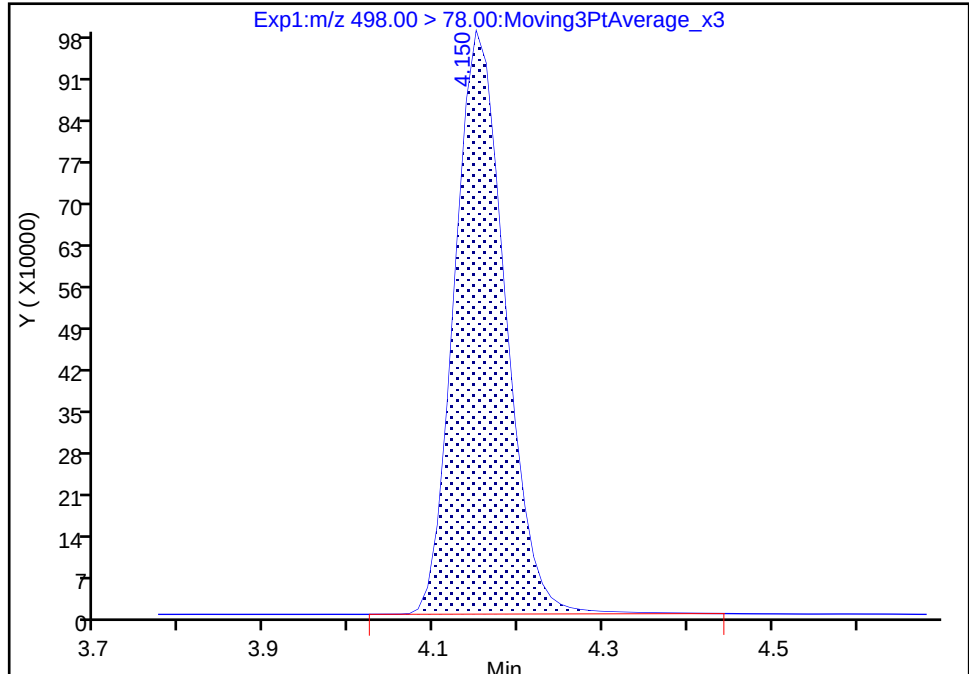
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

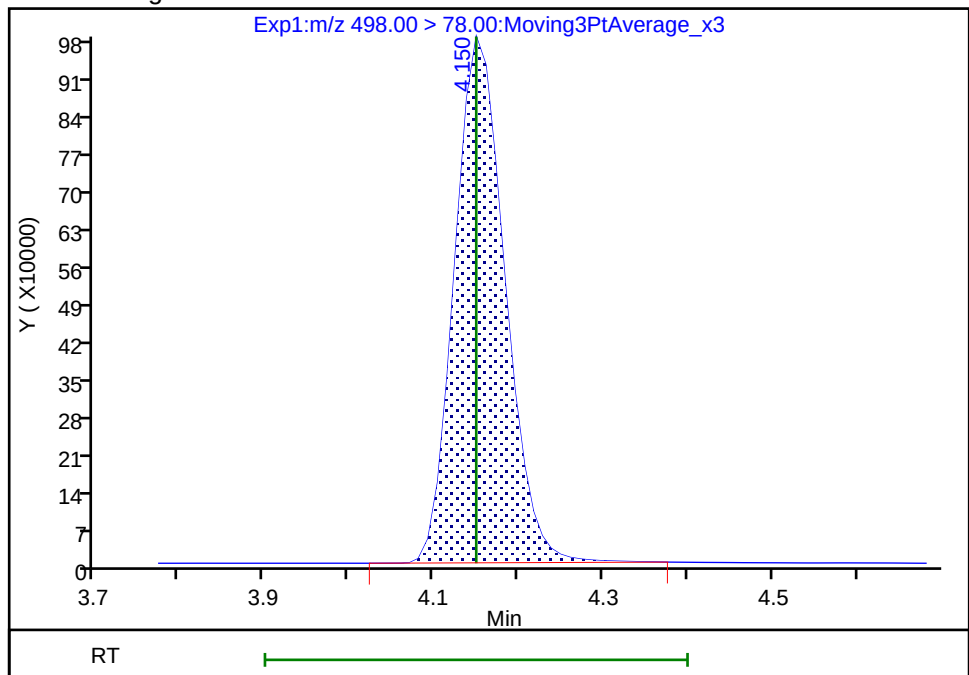
RT: 4.15
Area: 4106928
Amount: 2.428009
Amount Units: ng/ml

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

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Eurofins Burlington

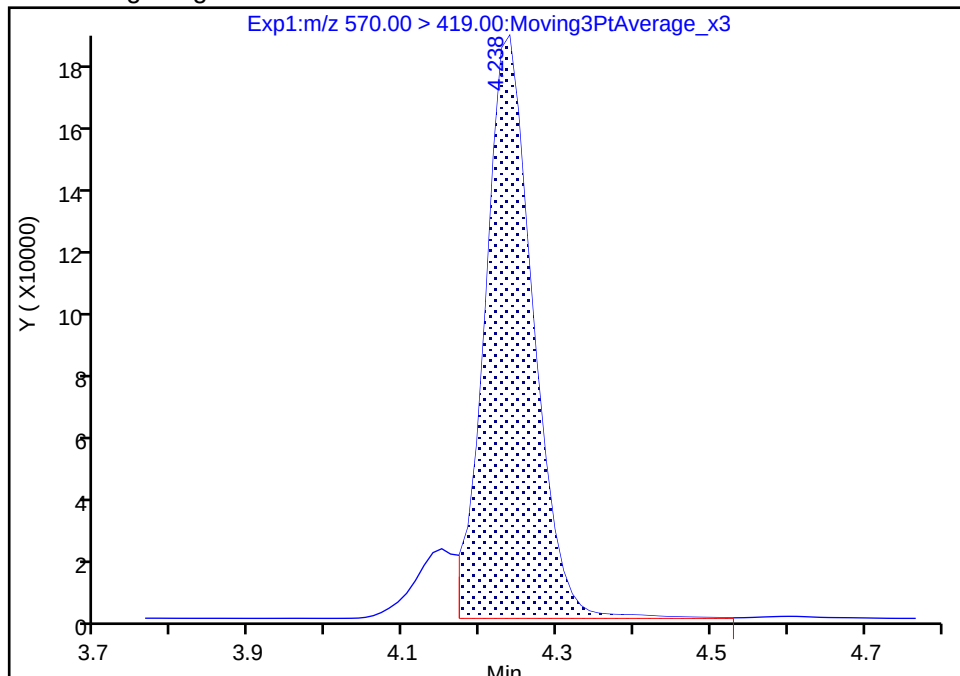
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

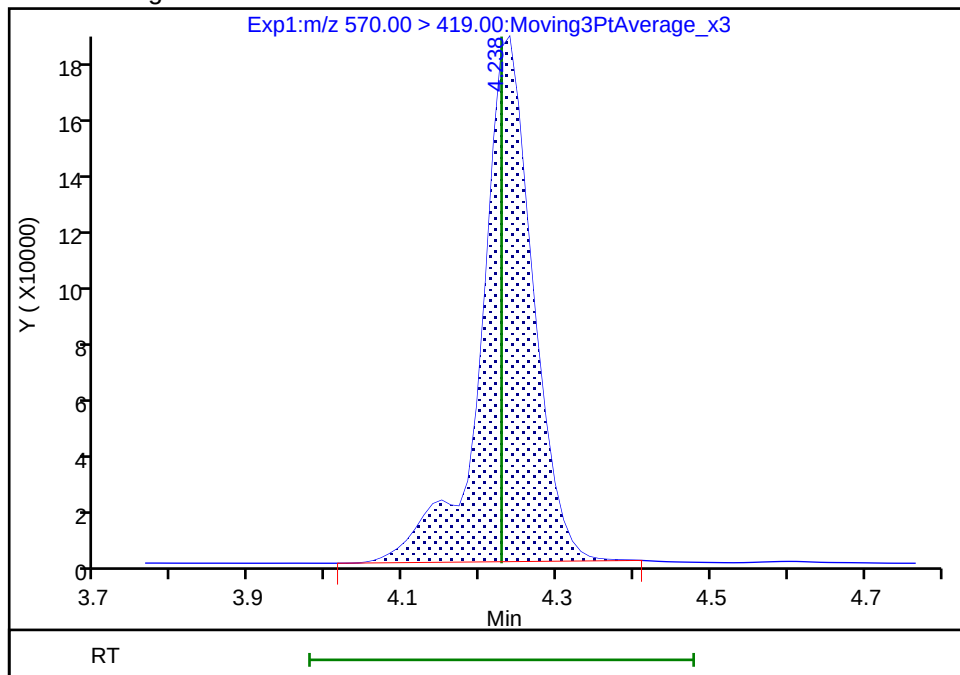
RT: 4.24
Area: 804661
Amount: 2.140771
Amount Units: ng/ml

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

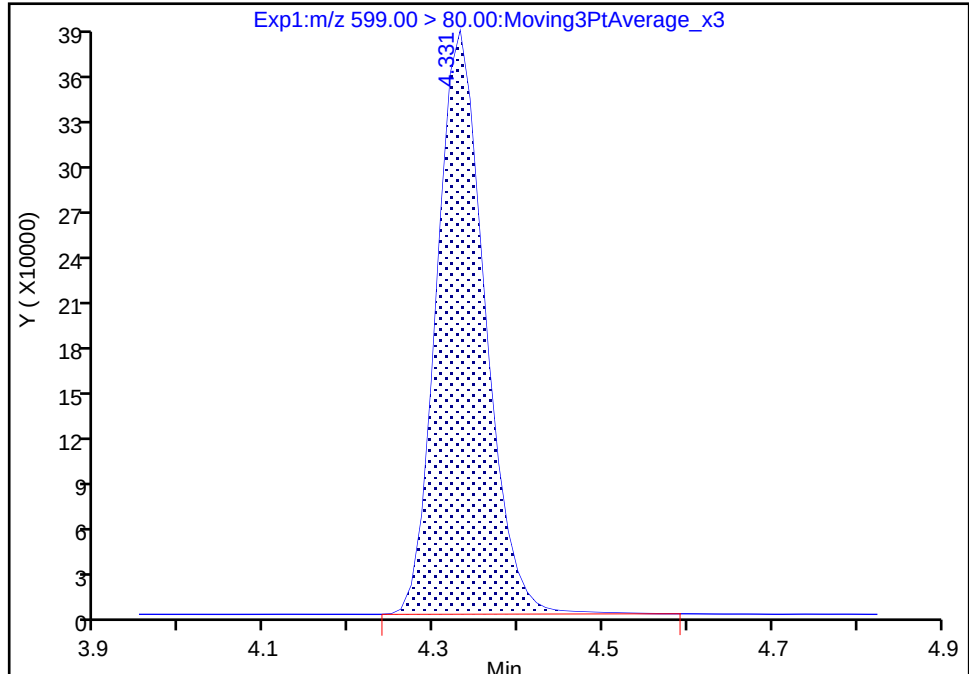
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

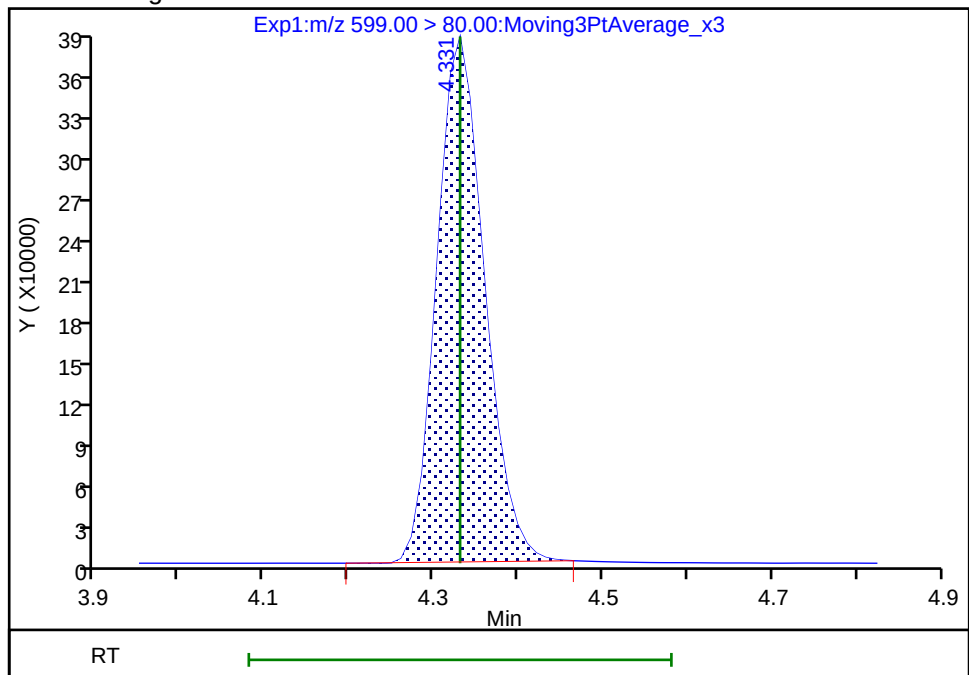
RT: 4.33
Area: 1514276
Amount: 2.351873
Amount Units: ng/ml

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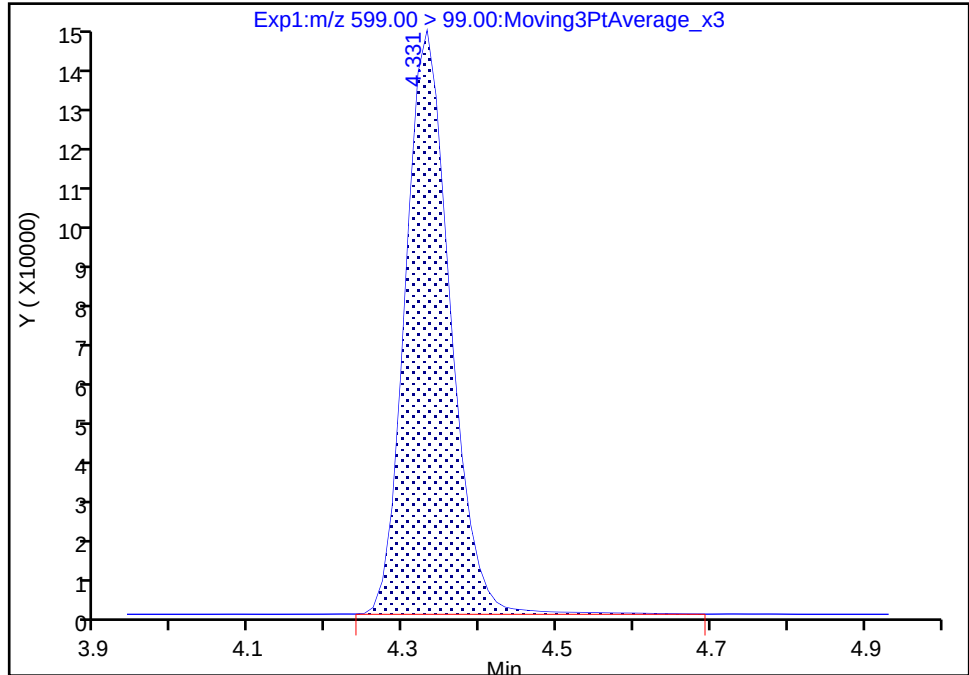
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

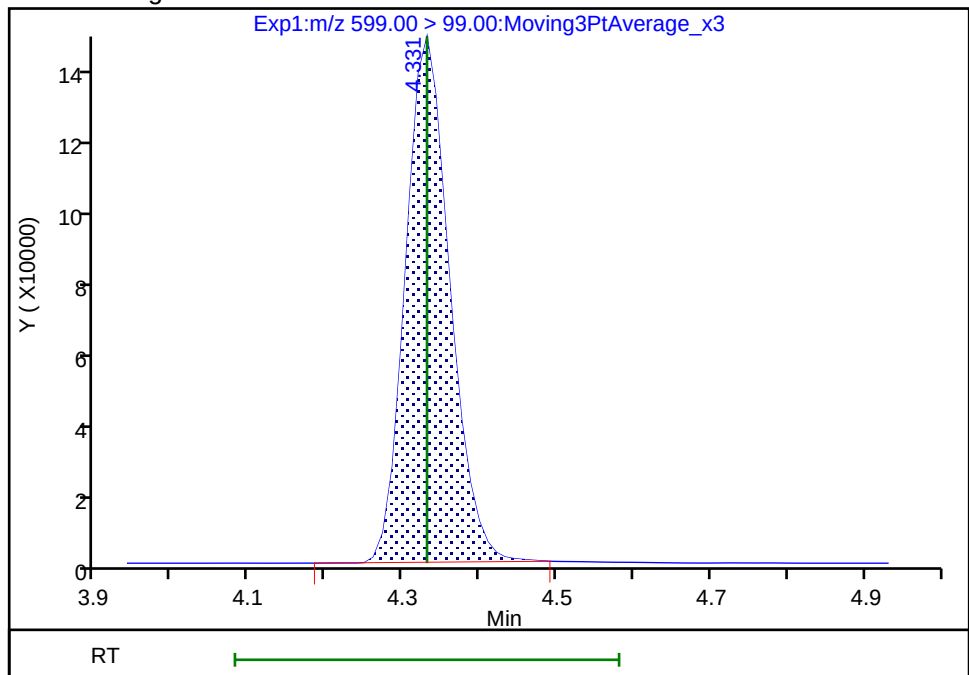
RT: 4.33
Area: 570570
Amount: 2.351873
Amount Units: ng/ml

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

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Eurofins Burlington

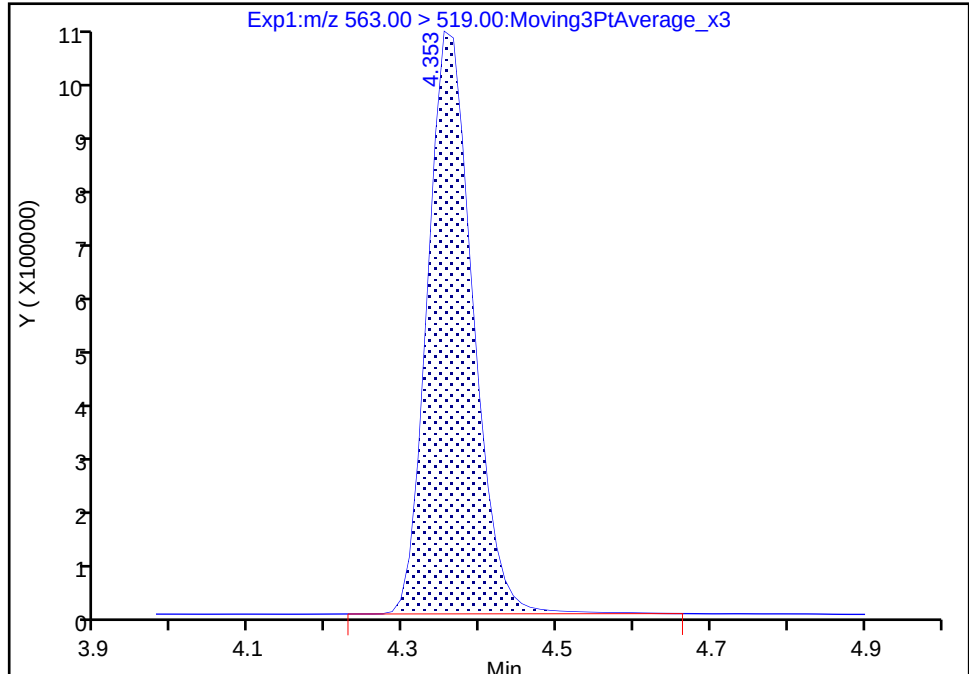
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

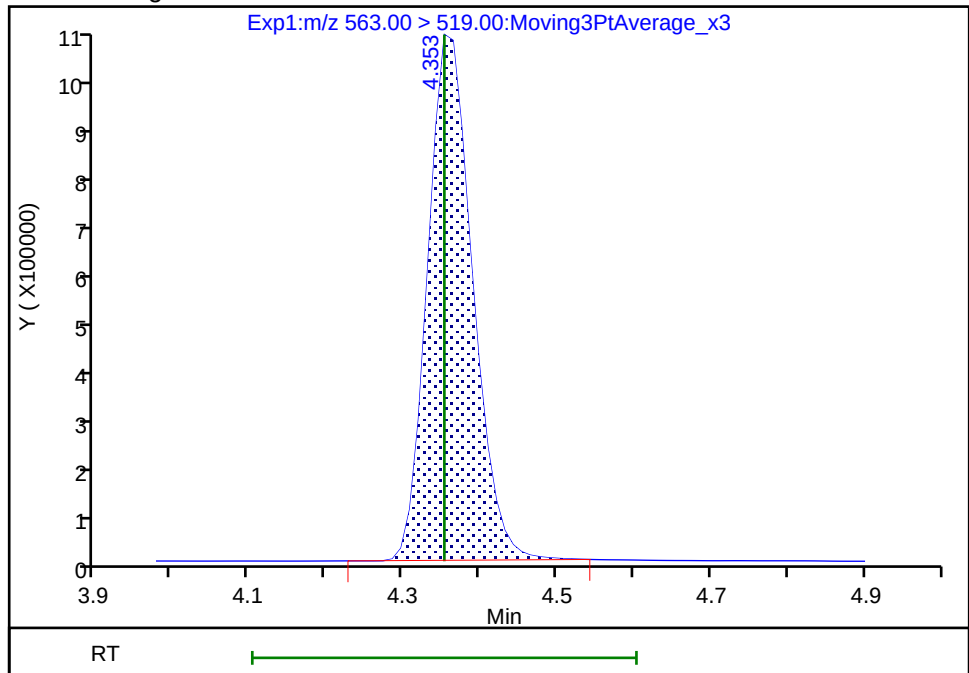
RT: 4.35
Area: 4342724
Amount: 2.330777
Amount Units: ng/ml

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
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PM

Eurofins Burlington

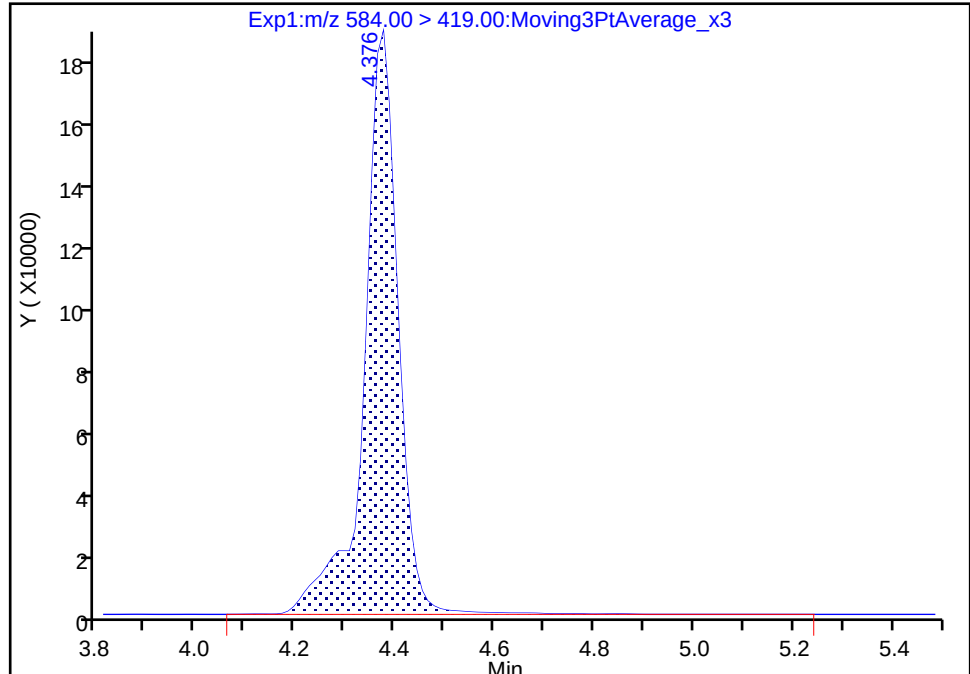
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

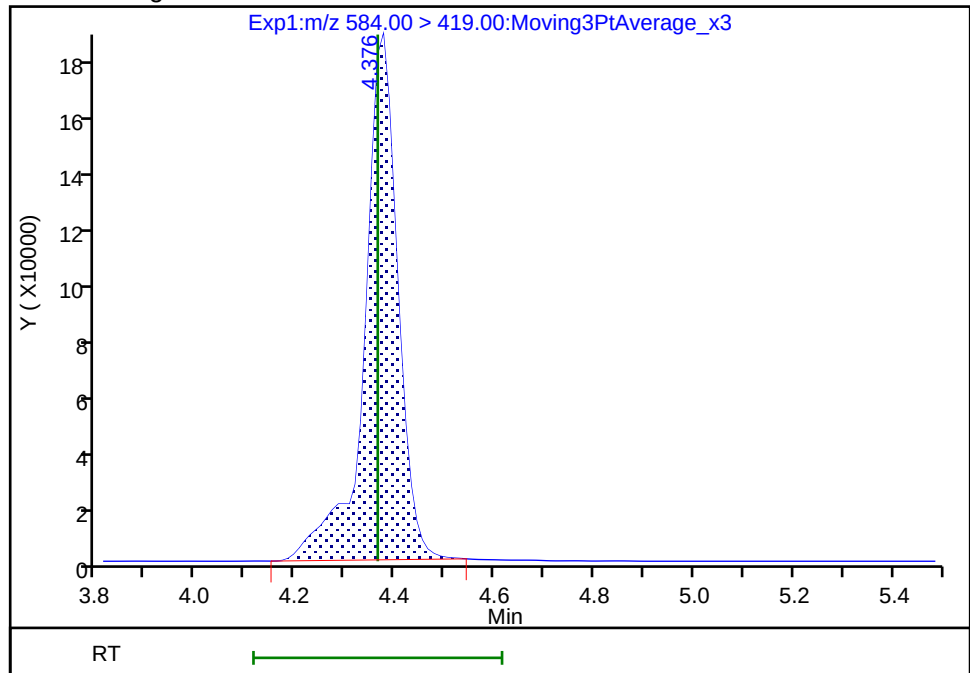
RT: 4.38
Area: 865426
Amount: 2.394972
Amount Units: ng/ml

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
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Eurofins Burlington

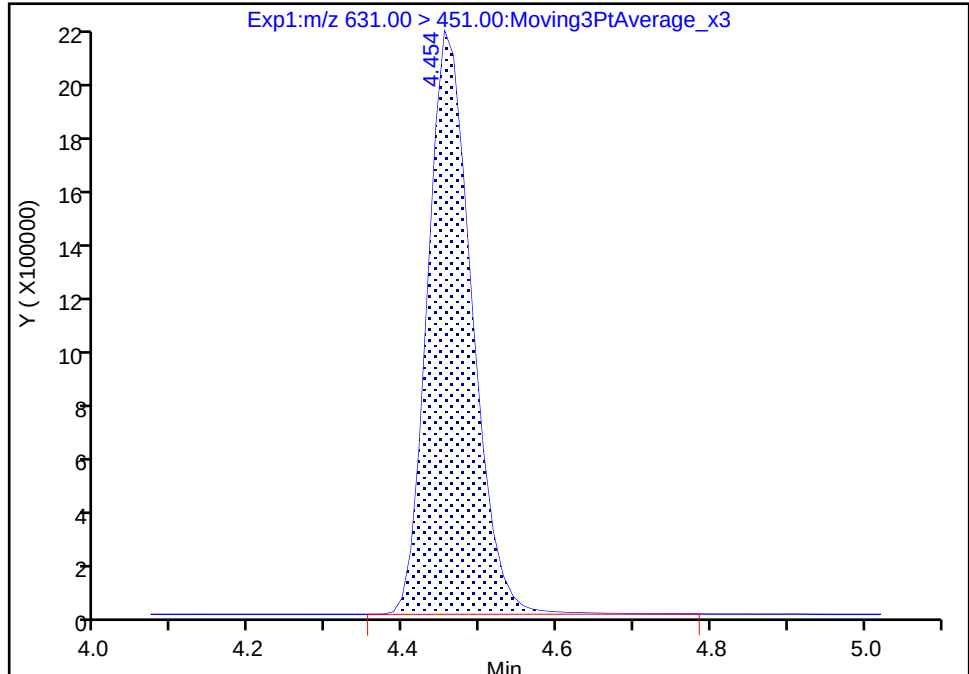
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

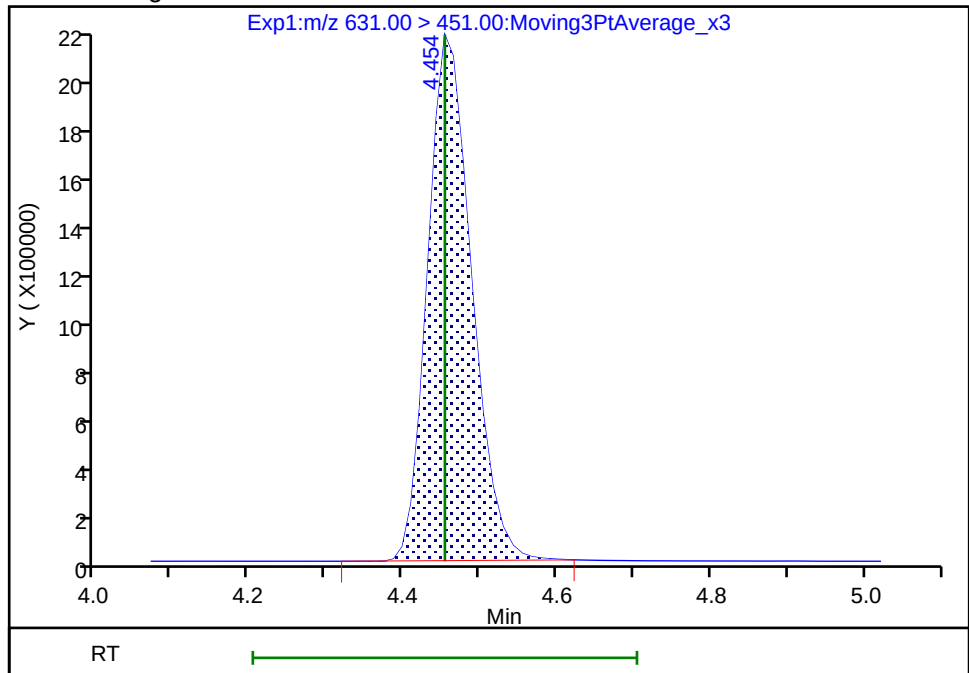
RT: 4.45
Area: 8707195
Amount: 2.232773
Amount Units: ng/ml

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
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Eurofins Burlington

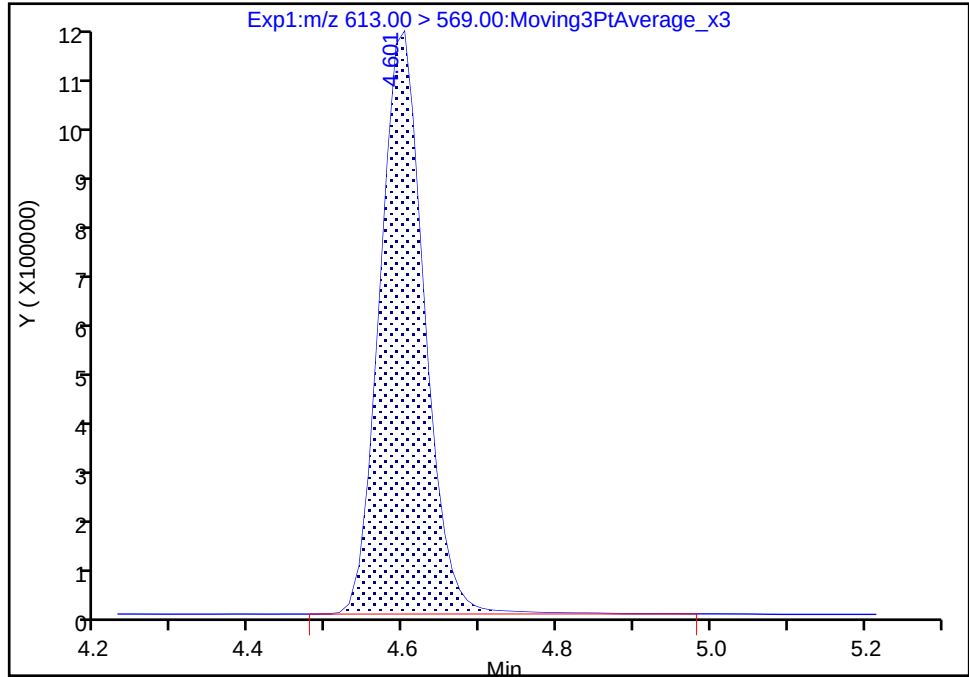
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

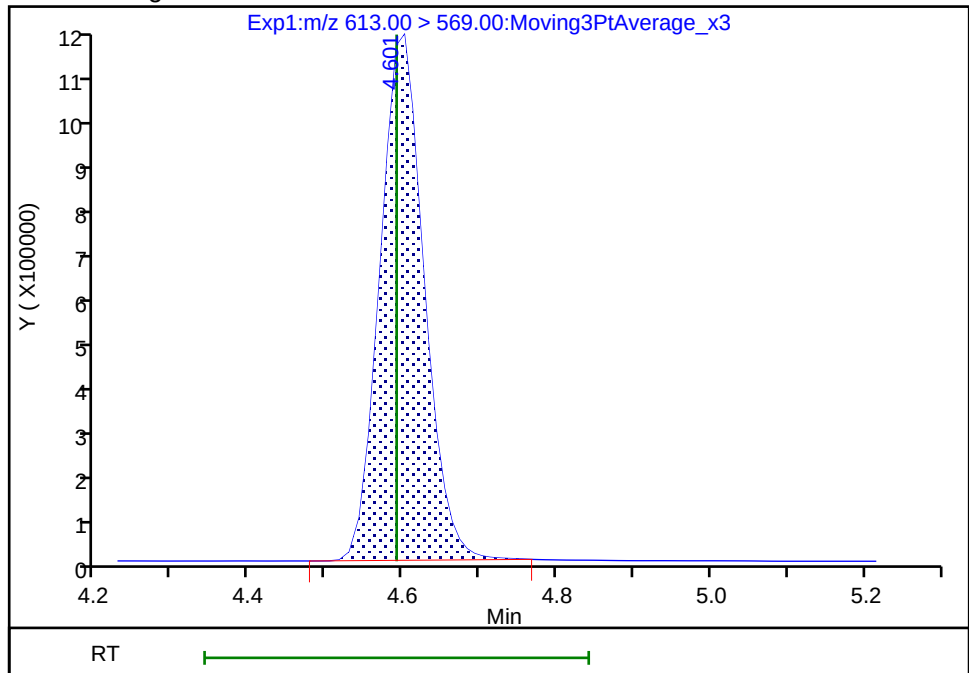
RT: 4.60
Area: 4561804
Amount: 2.236540
Amount Units: ng/ml

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
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Eurofins Burlington

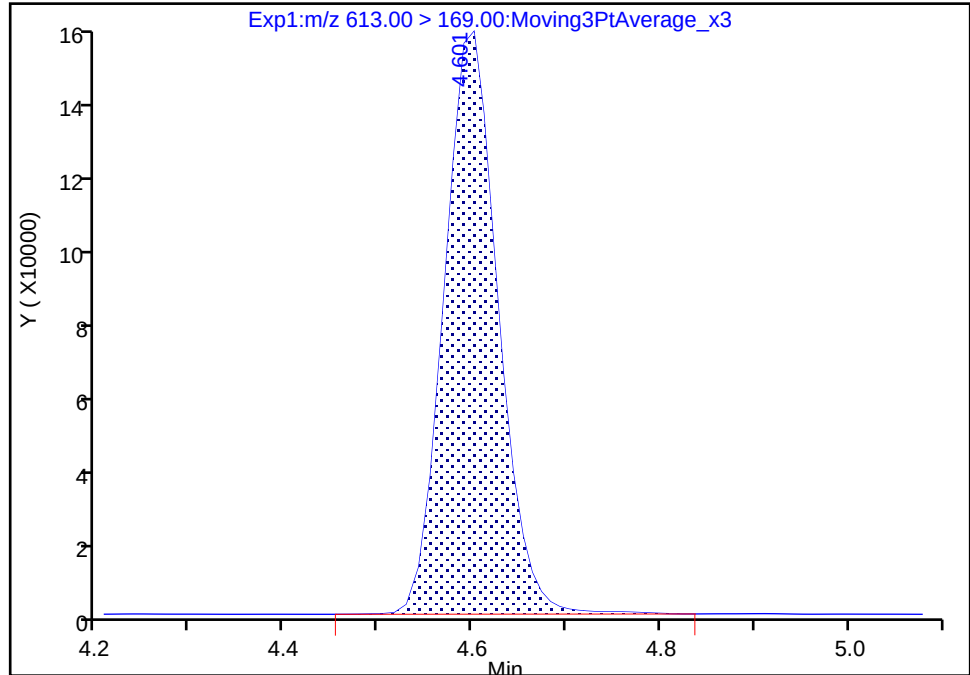
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

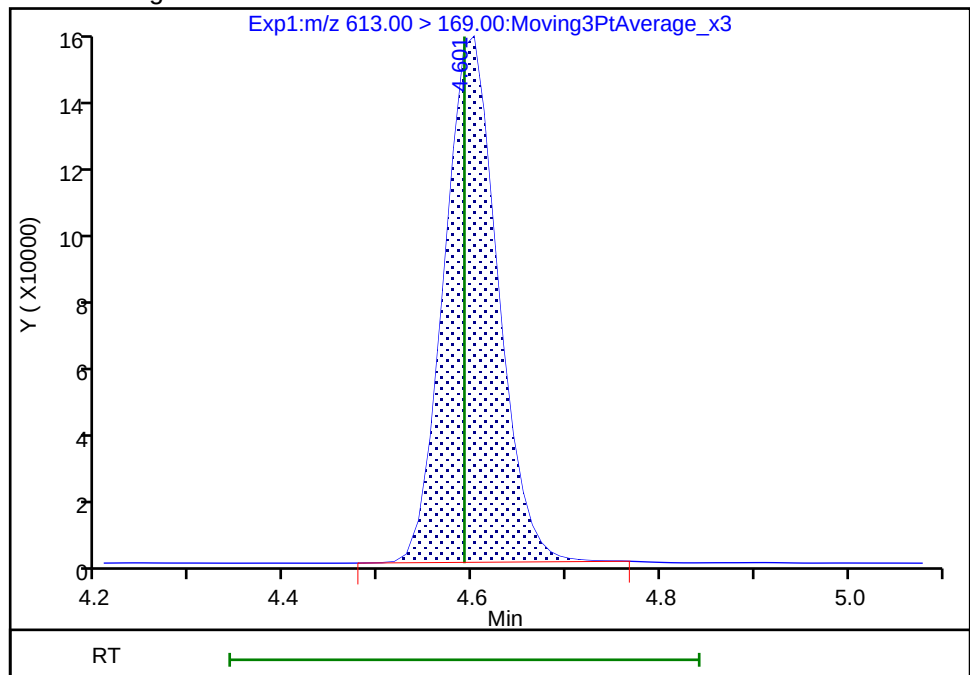
RT: 4.60
Area: 634336
Amount: 2.236540
Amount Units: ng/ml

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
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Eurofins Burlington

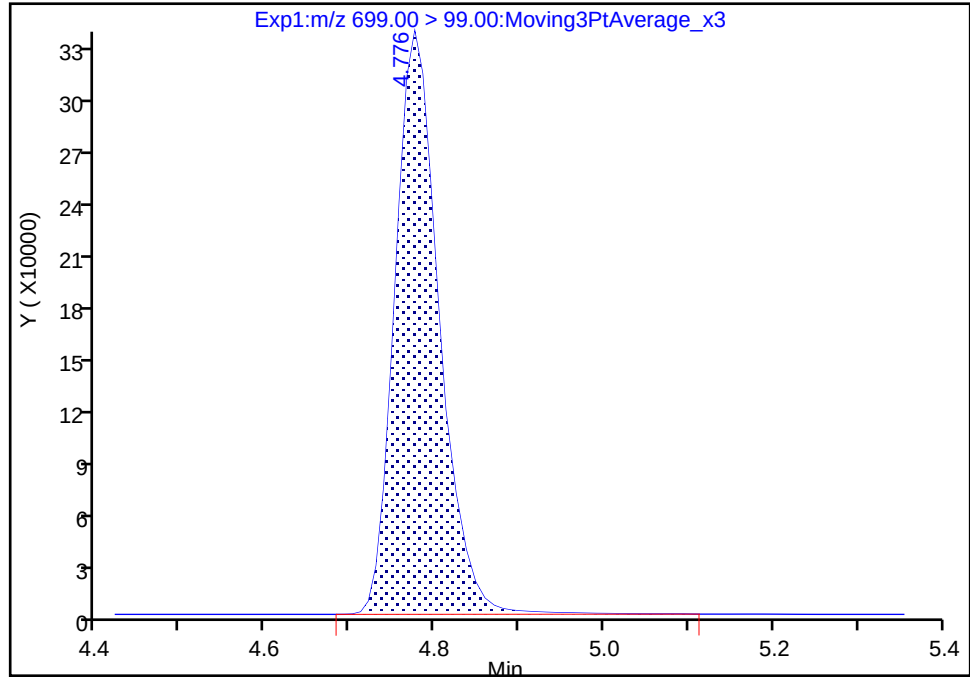
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 2

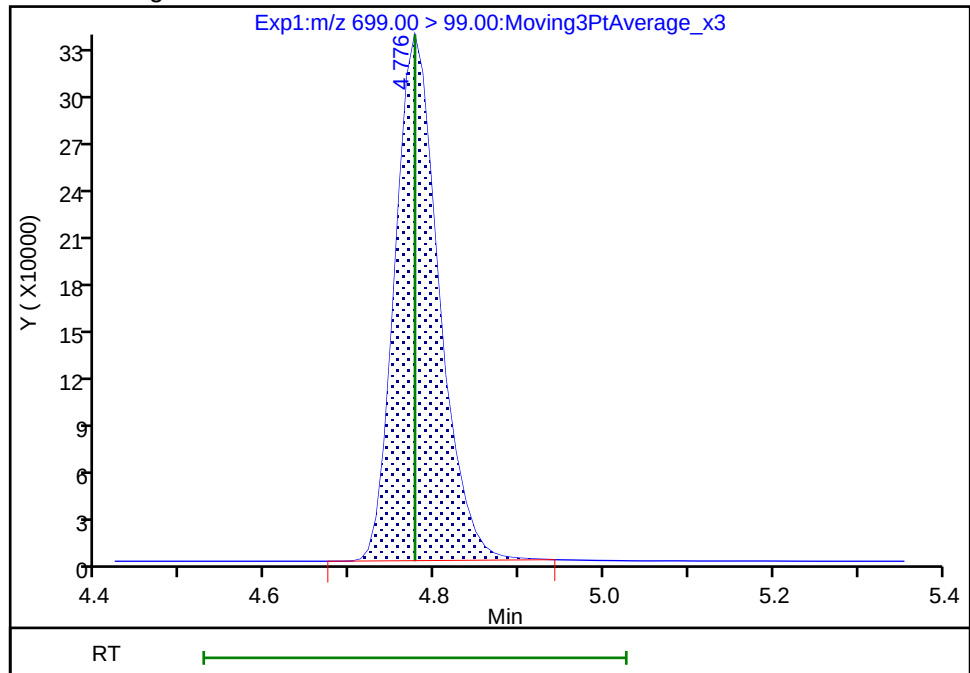
RT: 4.78
Area: 1228390
Amount: 2.299098
Amount Units: ng/ml

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
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Eurofins Burlington

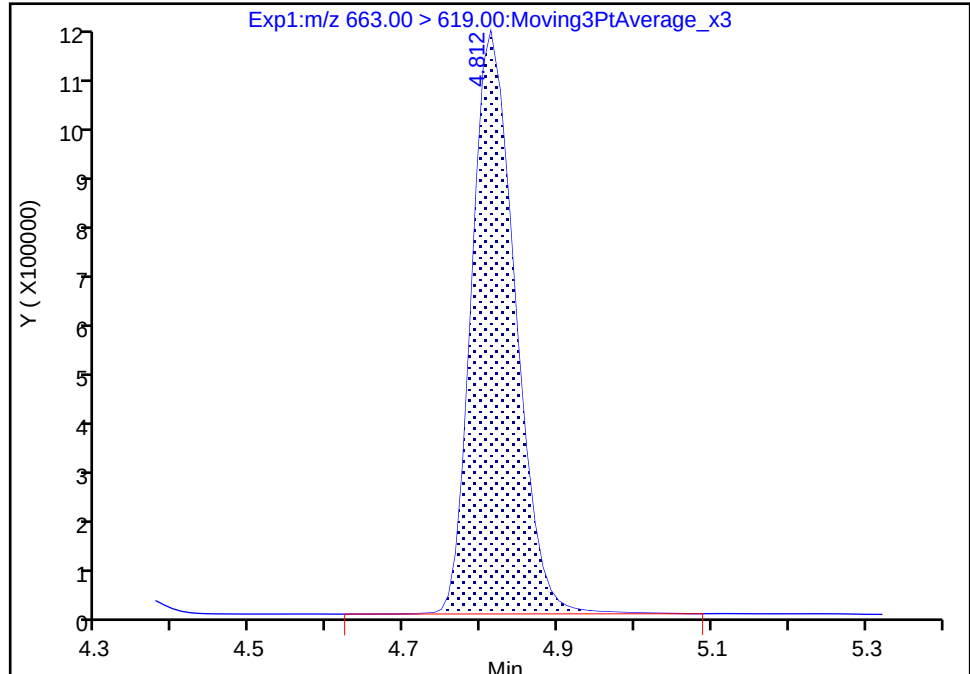
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

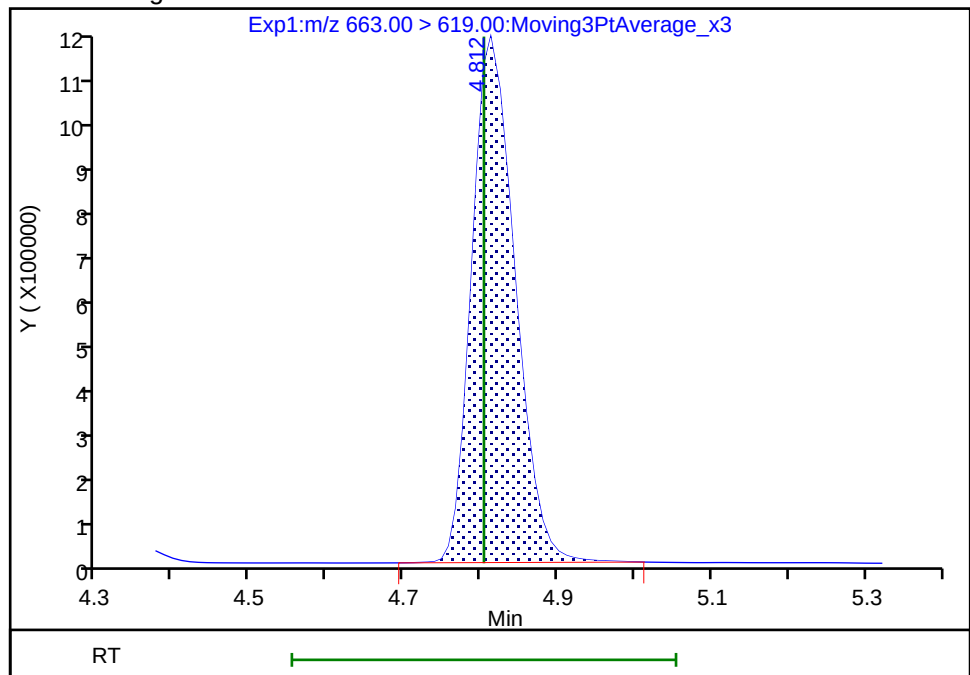
RT: 4.81
Area: 4593419
Amount: 2.351993
Amount Units: ng/ml

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

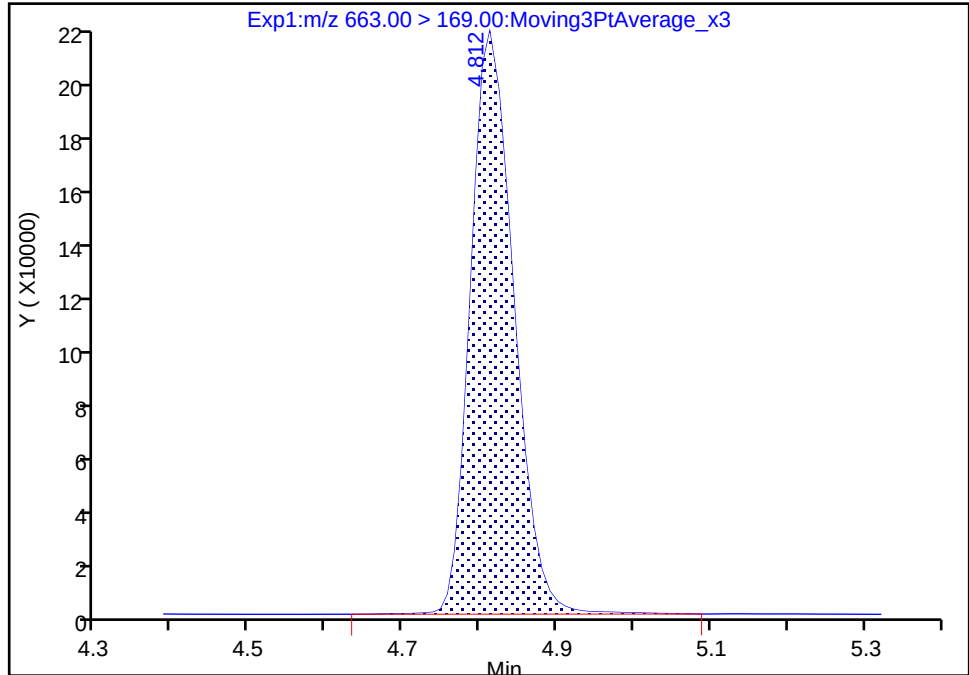
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

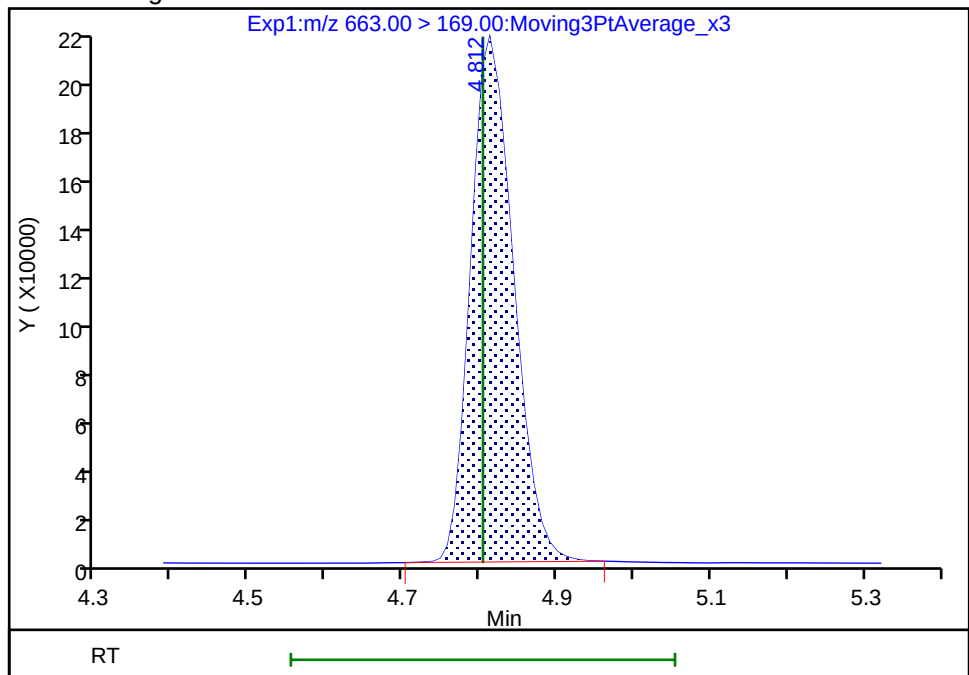
RT: 4.81
Area: 851410
Amount: 2.351993
Amount Units: ng/ml

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
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Eurofins Burlington

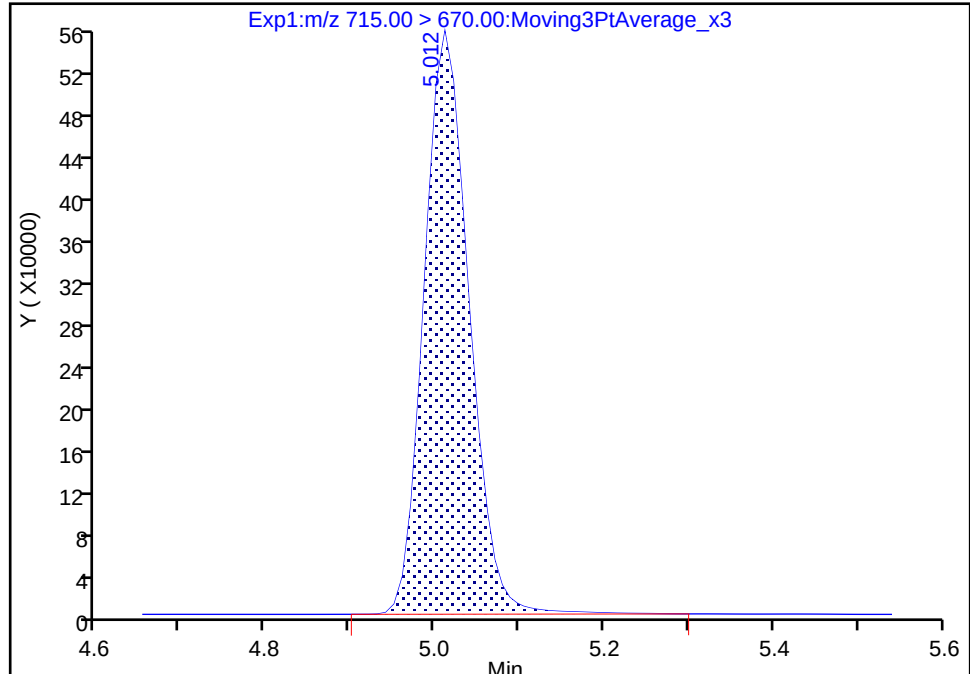
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

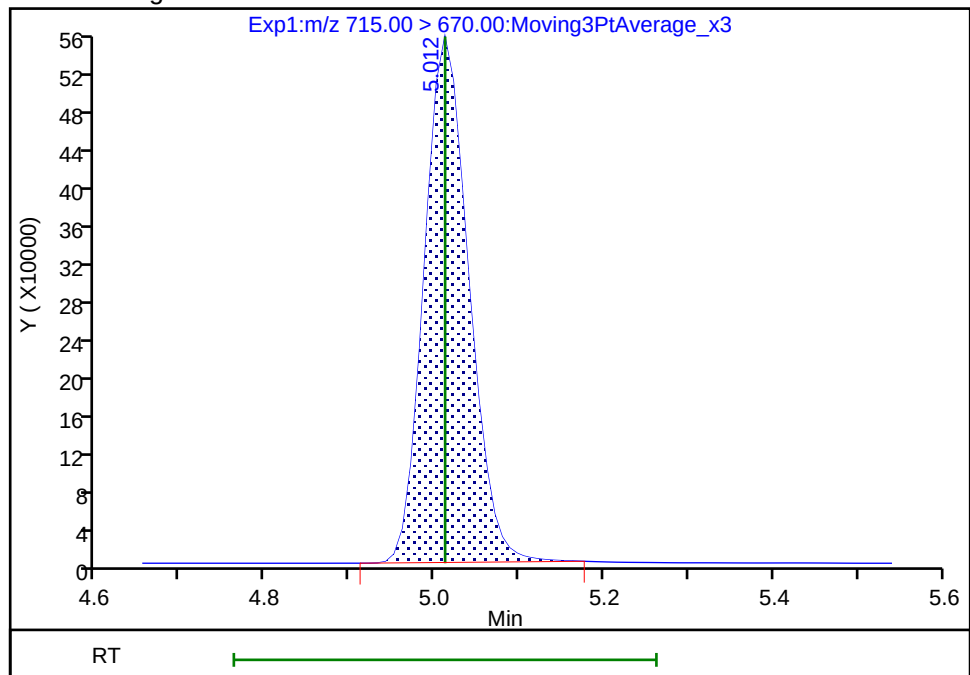
RT: 5.01
Area: 2033072
Amount: 1.303301
Amount Units: ng/ml

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

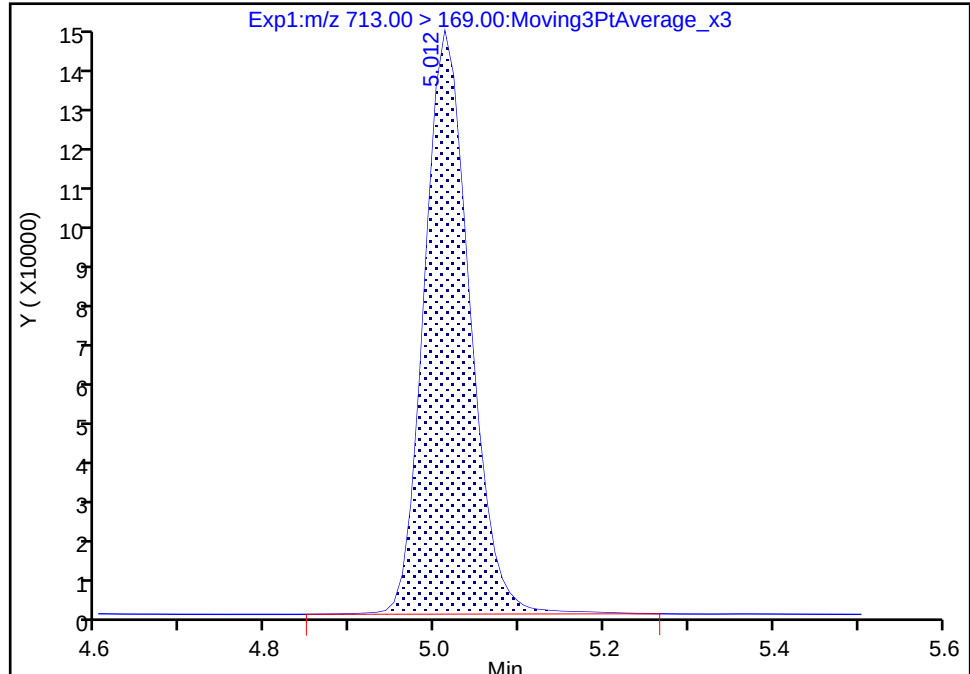
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

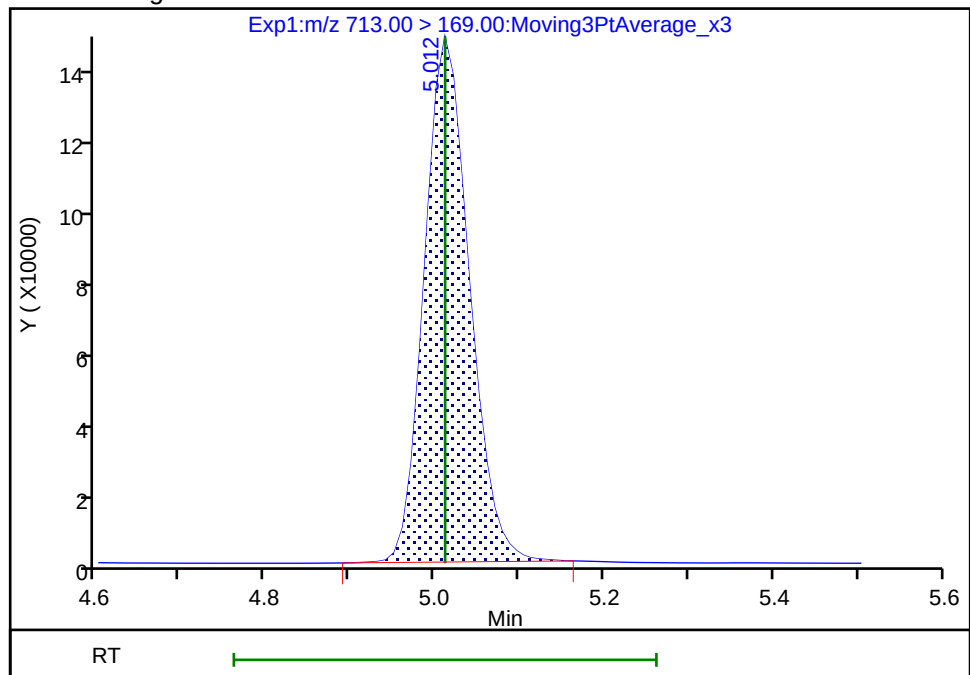
RT: 5.01
Area: 525519
Amount: 2.325898
Amount Units: ng/ml

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
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Eurofins Burlington

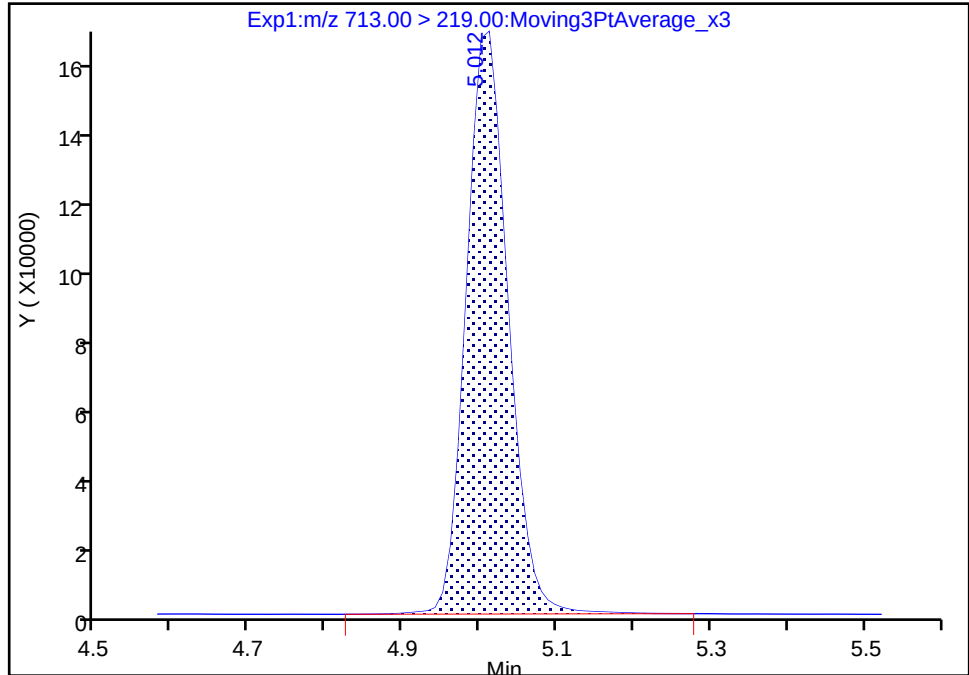
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

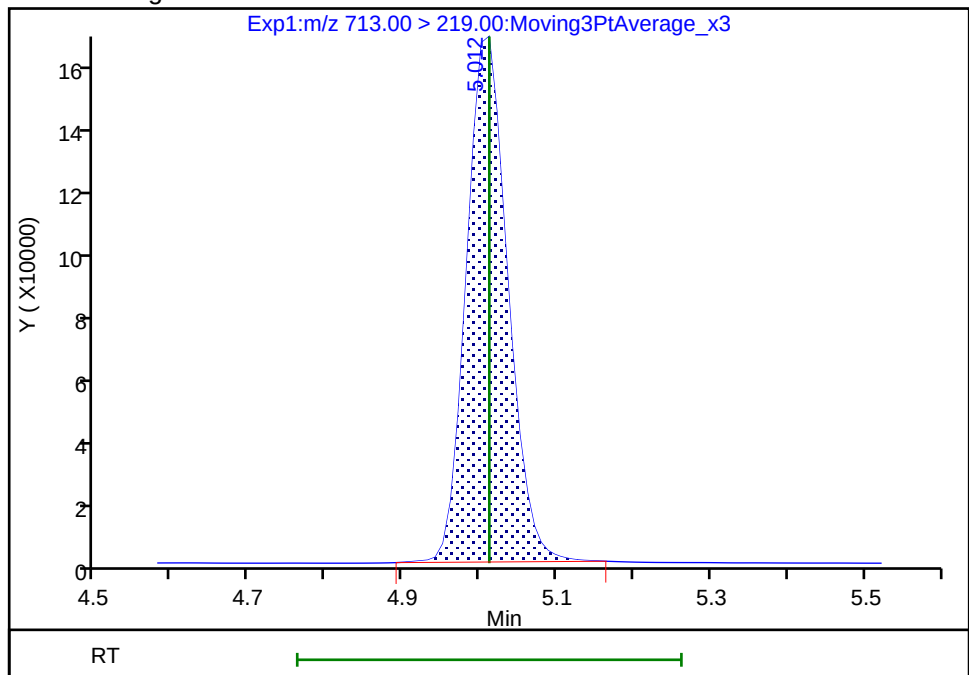
RT: 5.01
Area: 616529
Amount: 2.325898
Amount Units: ng/ml

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
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Eurofins Burlington

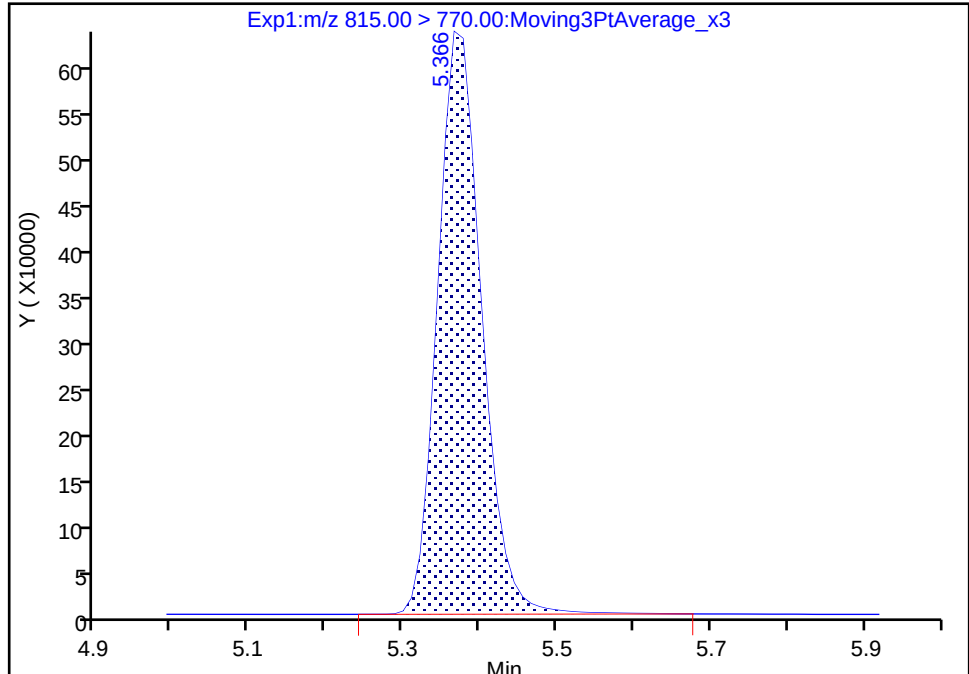
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

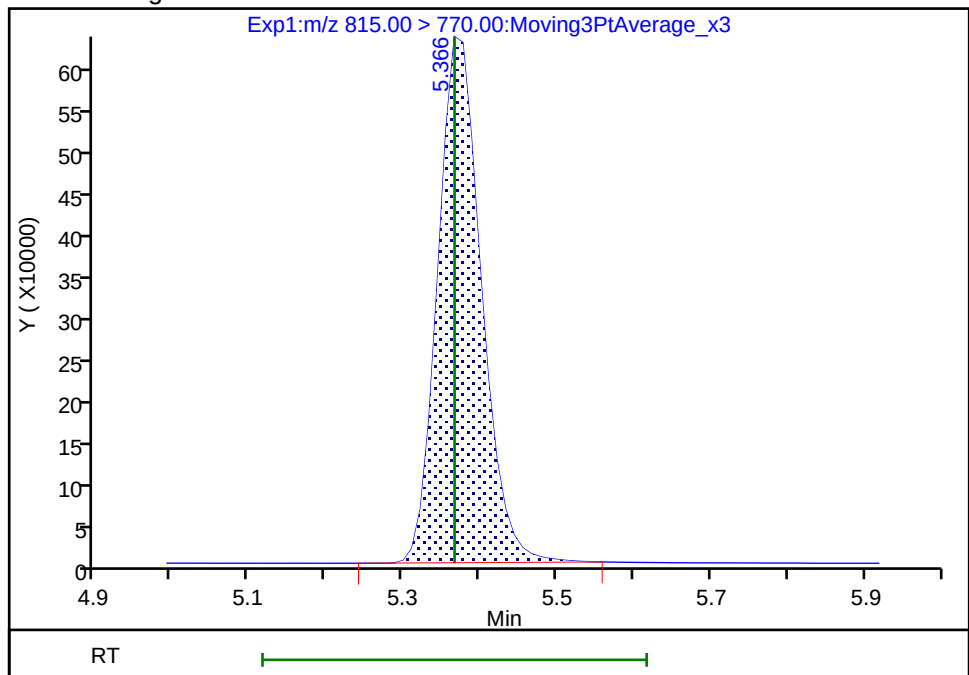
RT: 5.37
Area: 2515726
Amount: 1.303866
Amount Units: ng/ml

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
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Eurofins Burlington

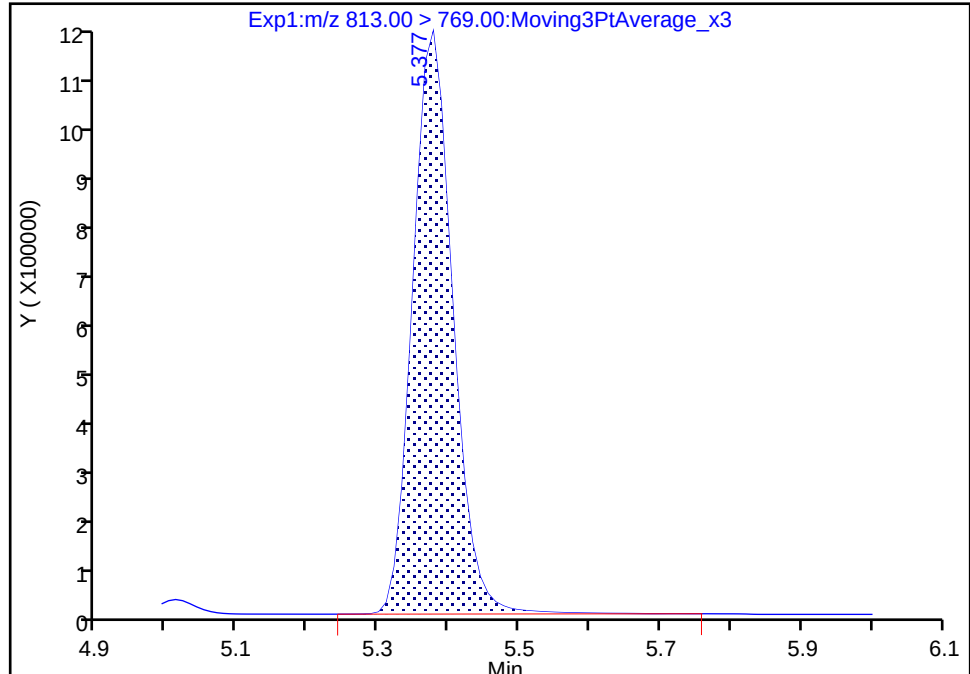
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

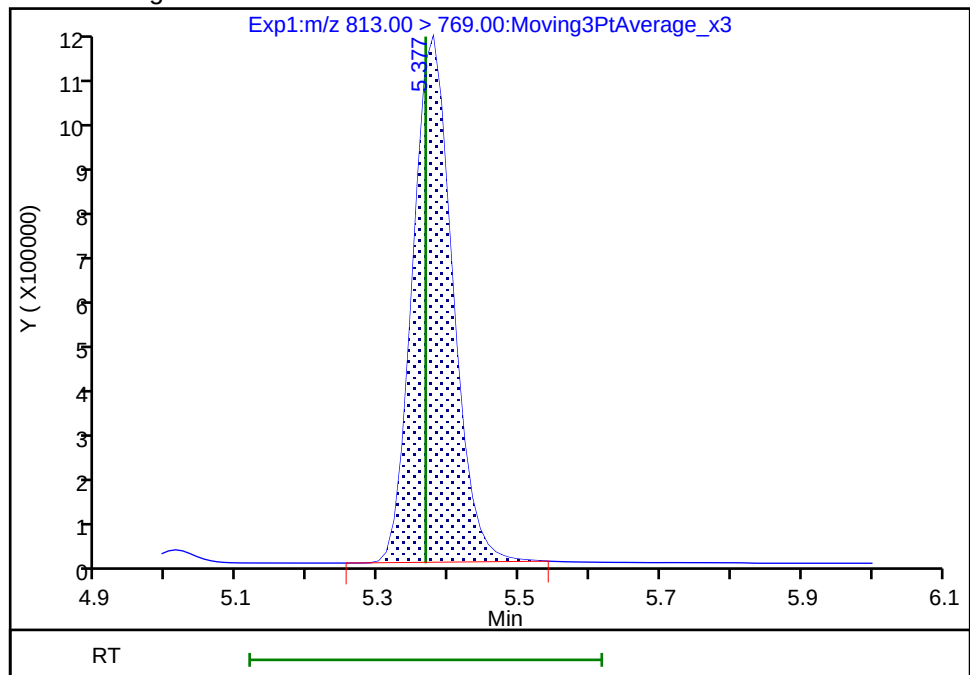
RT: 5.38
Area: 4654754
Amount: 2.502473
Amount Units: ng/ml

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
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Eurofins Burlington

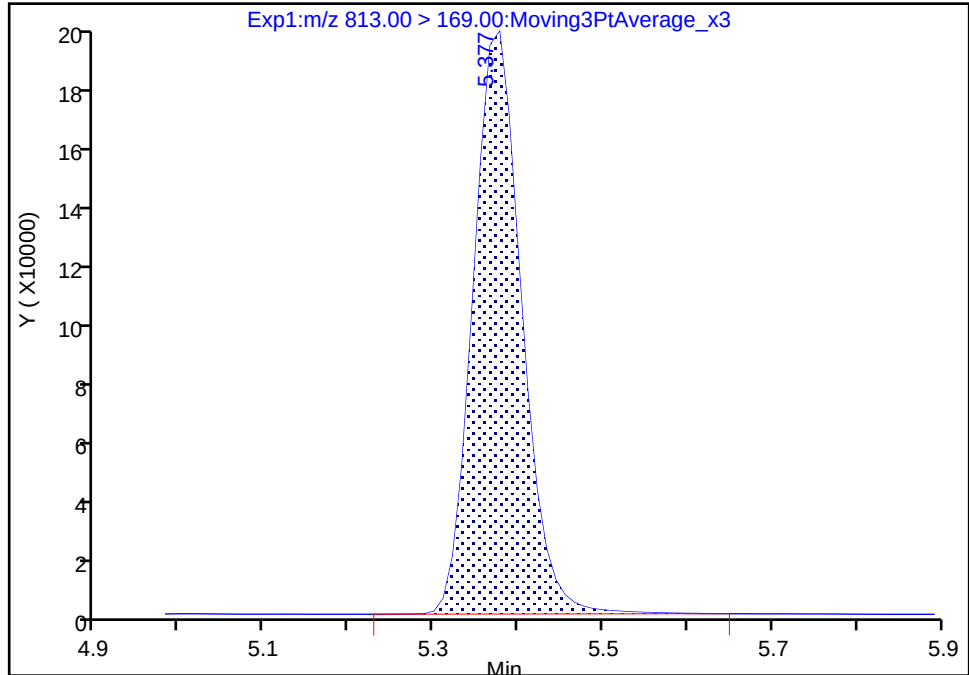
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

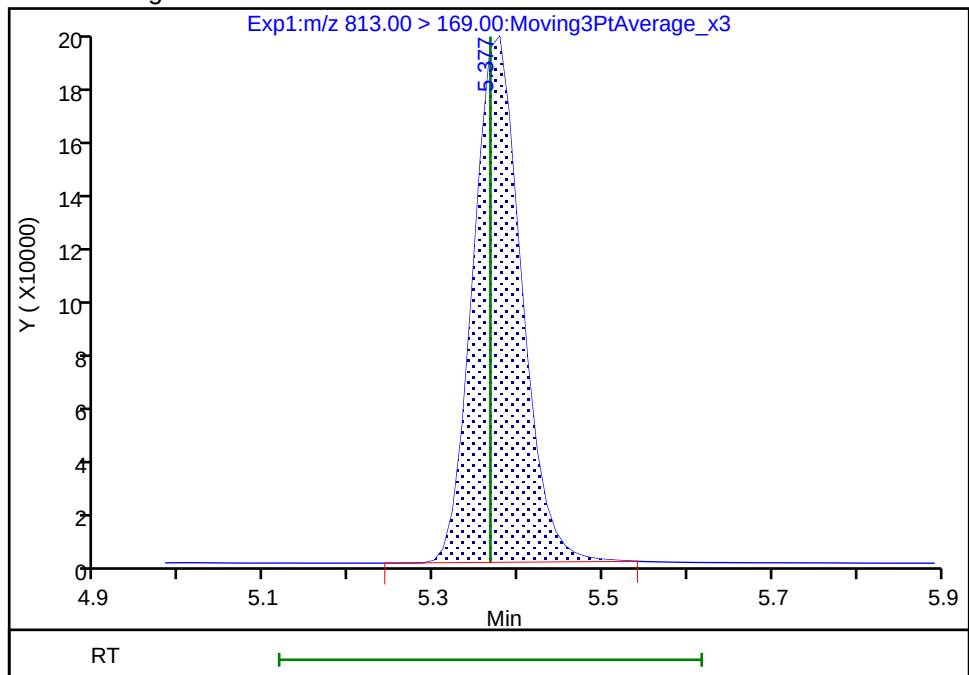
RT: 5.38
Area: 773083
Amount: 2.502473
Amount Units: ng/ml

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
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Eurofins Burlington

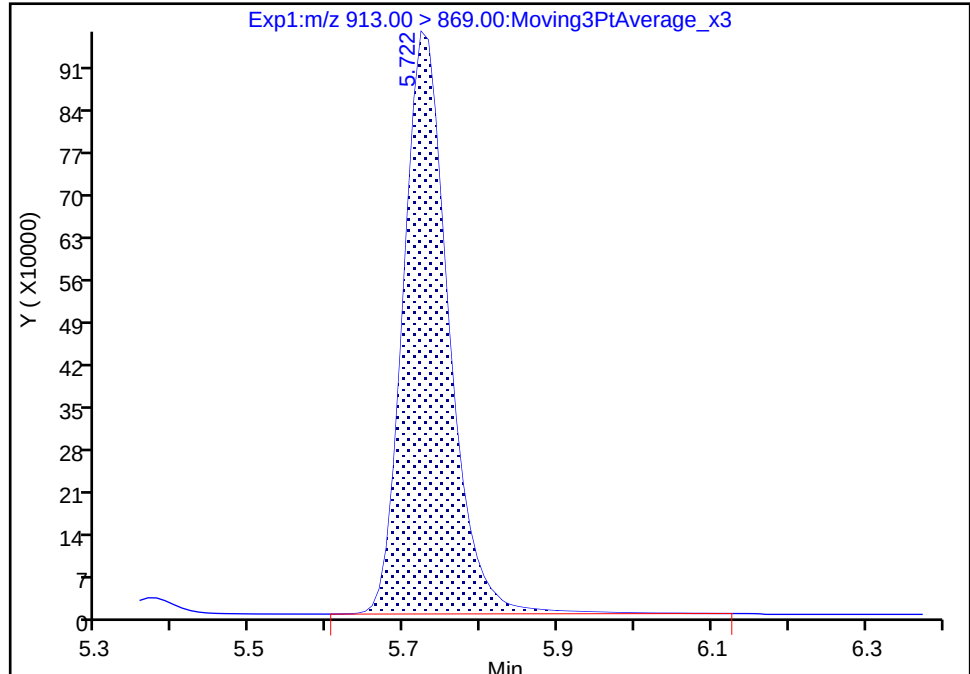
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

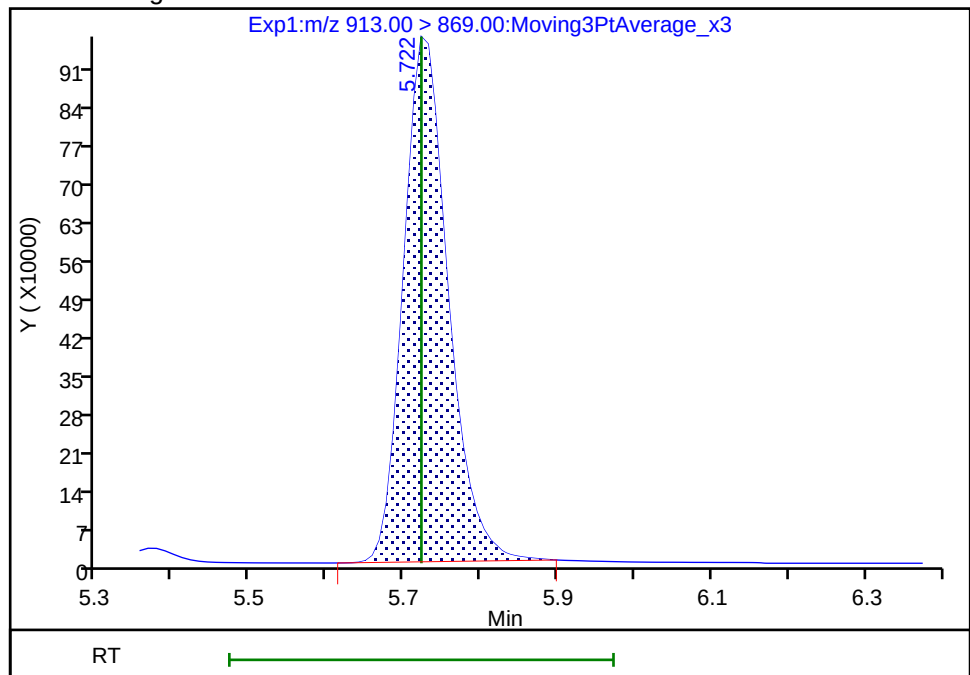
RT: 5.72
Area: 3948972
Amount: 2.362565
Amount Units: ng/ml

Processing Integration Results



RT: 5.72
Area: 3885994
Amount: 2.358568
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:19:00
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

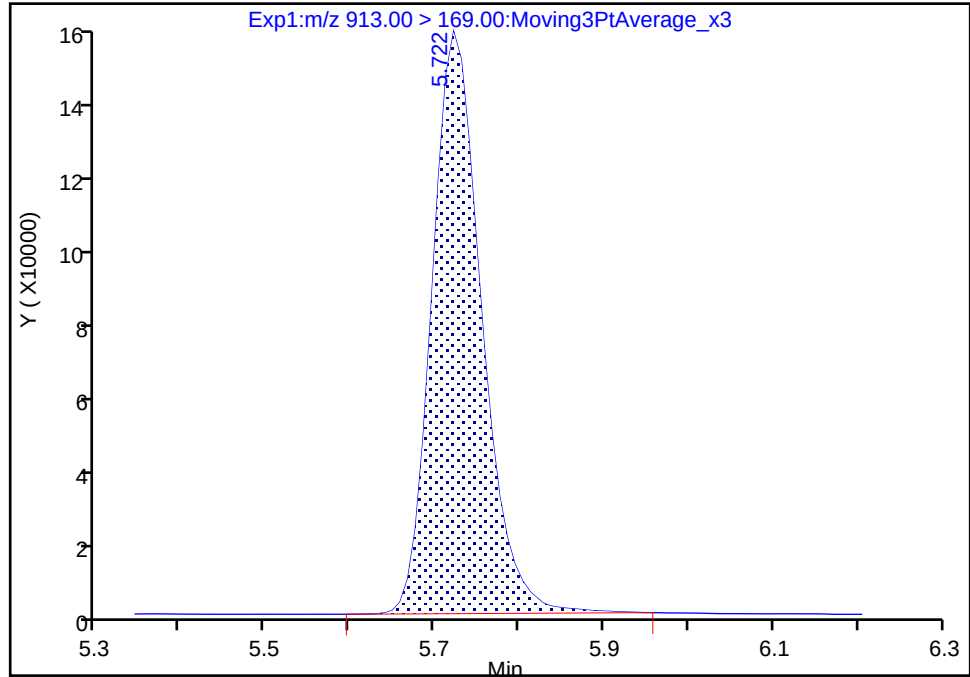
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL09.d
Injection Date: 18-Nov-2022 15:02:36 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

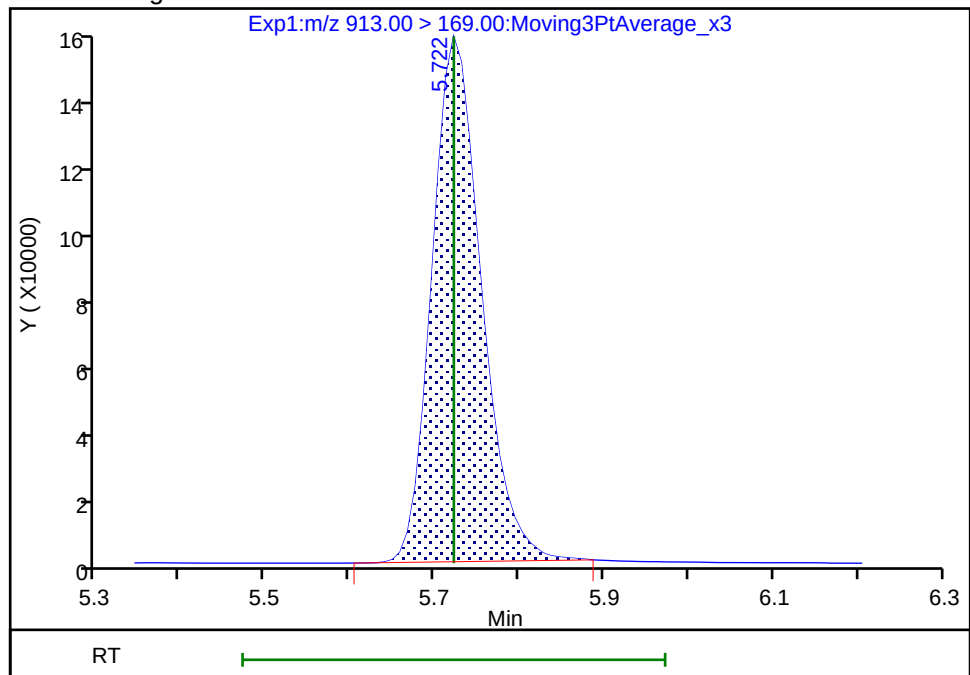
RT: 5.72
Area: 641202
Amount: 2.362565
Amount Units: ng/ml

Processing Integration Results



RT: 5.72
Area: 634754
Amount: 2.358568
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 18-Nov-2022 15:19:03

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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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

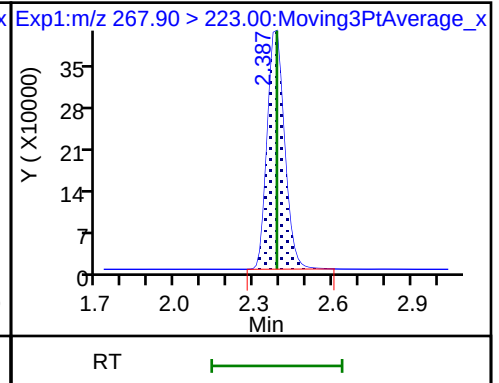
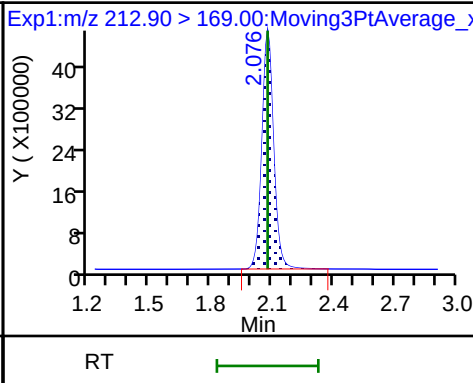
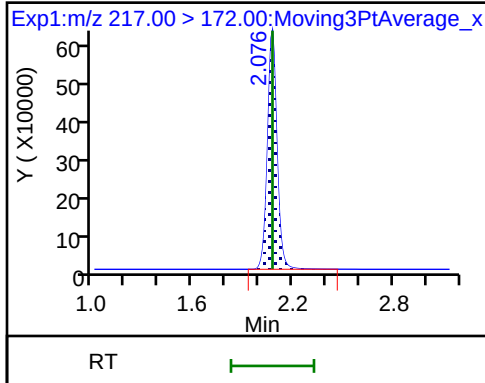
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

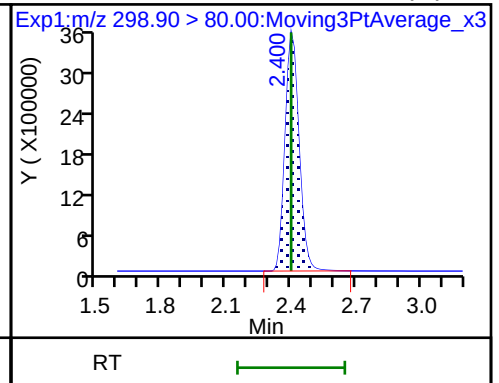
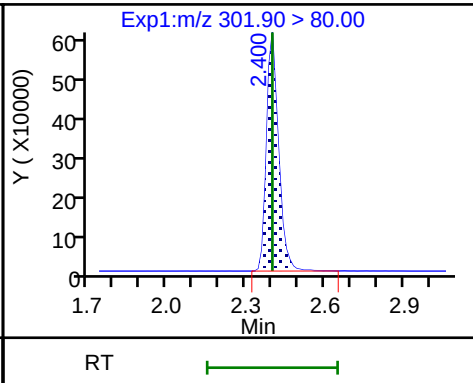
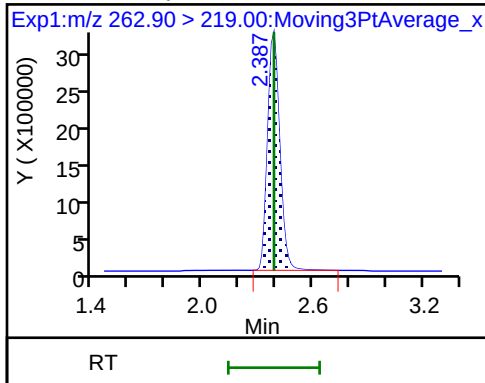
D 3 13C5 PFPeA



4 Perfluoropentanoic acid

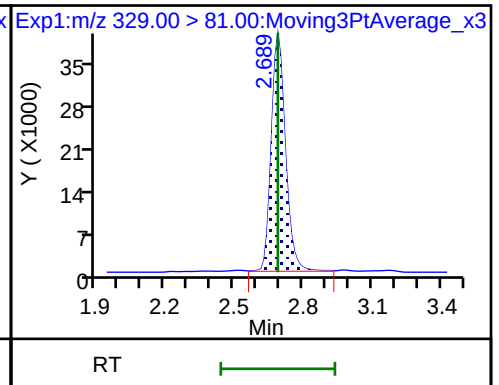
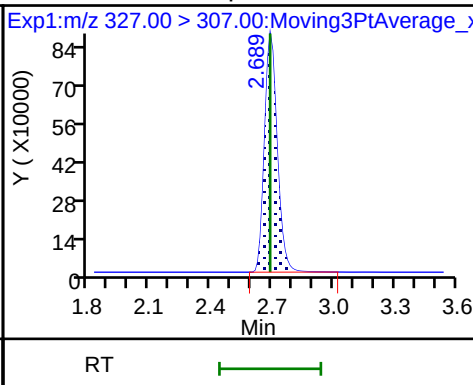
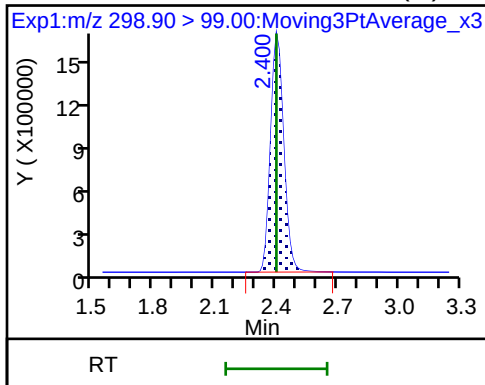
D 47 13C3 PFBS

5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

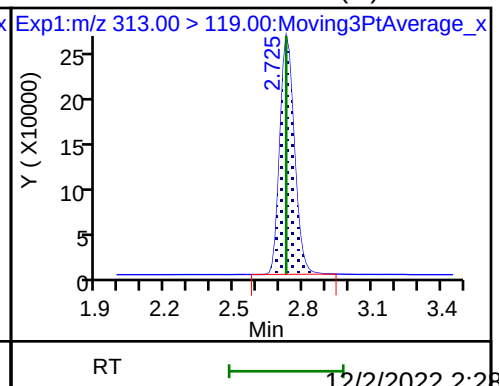
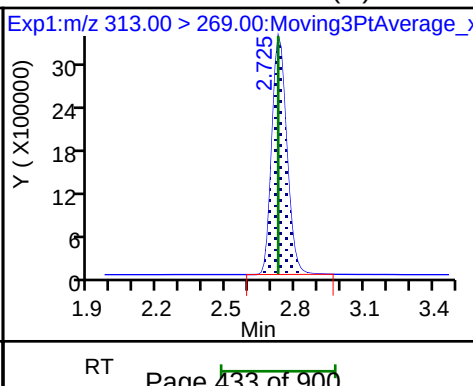
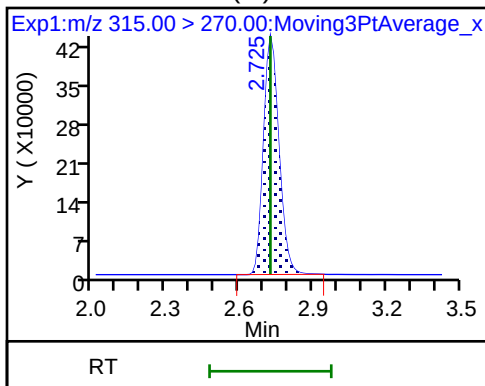
61 1H,1H,2H,2H-perfluorohexanesulfo D 60 M2-4:2 FTS



D 7 13C2 PFHxA (M)

6 Perfluorohexanoic acid (M)

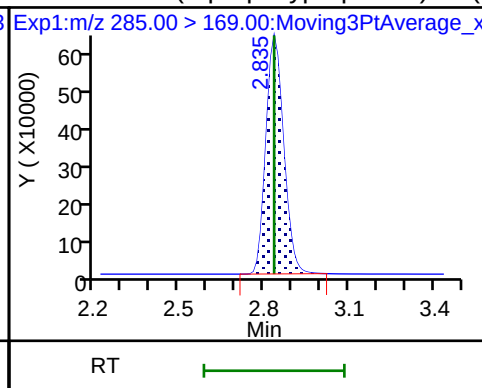
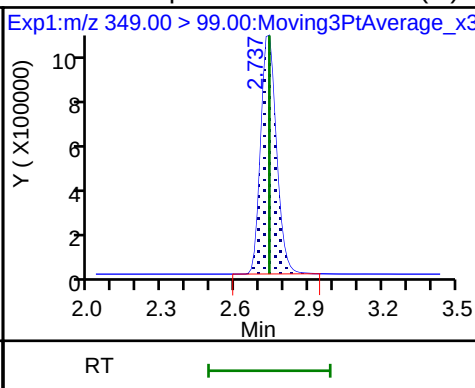
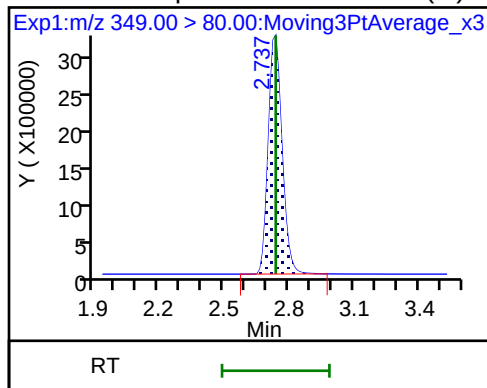
6 Perfluorohexanoic acid (M)



70 Perfluoropentanesulfonic acid (M)

70 Perfluoropentanesulfonic acid (M)

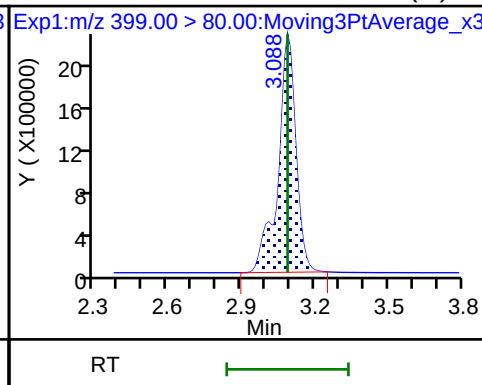
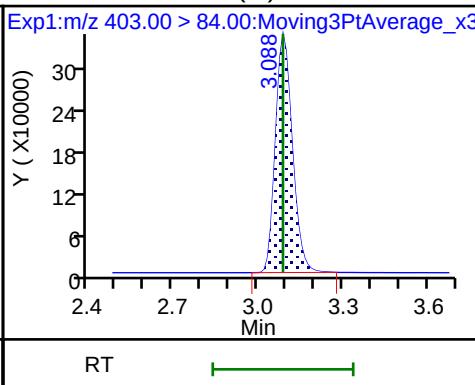
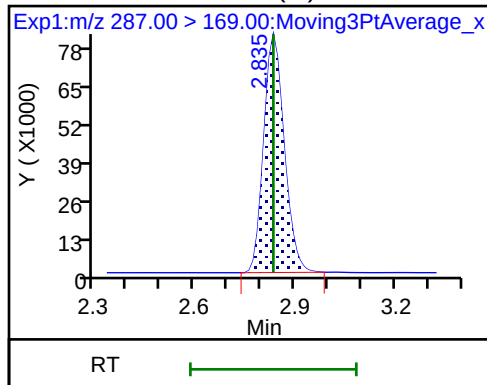
67 Perfluoro(2-propoxypropanoic) ac (M)



D 64 13C3 HFPO-DA (M)

D 11 18O2 PFHxS (M)

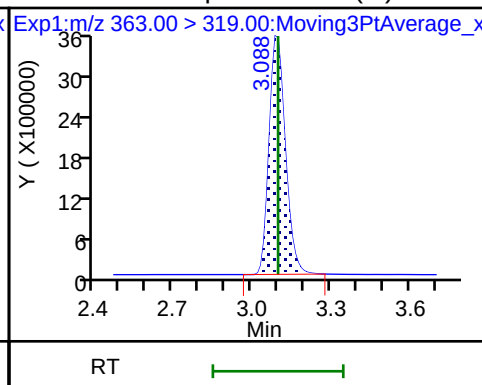
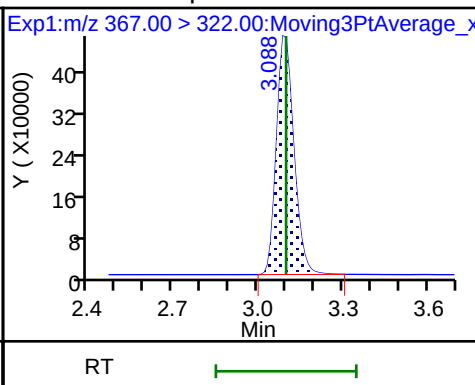
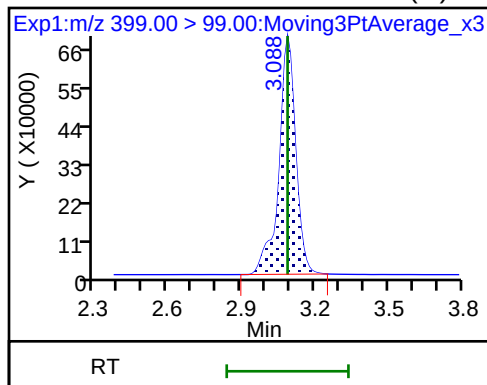
8 Perfluorohexanesulfonic acid (M)



8 Perfluorohexanesulfonic acid (M)

D 9 13C4 PFHpA

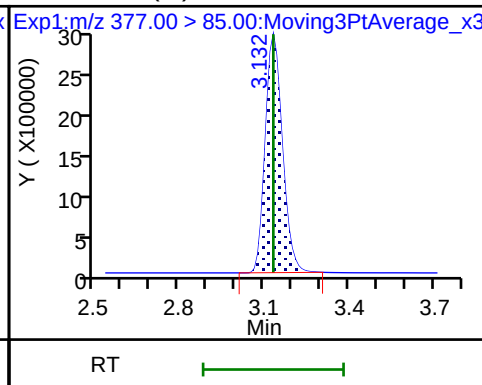
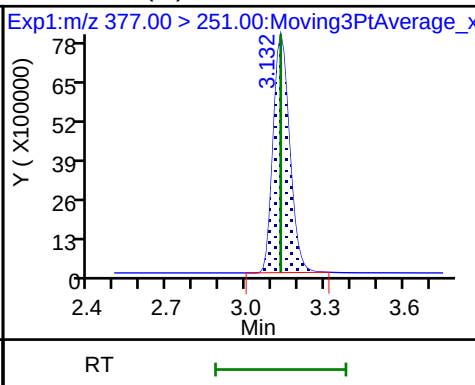
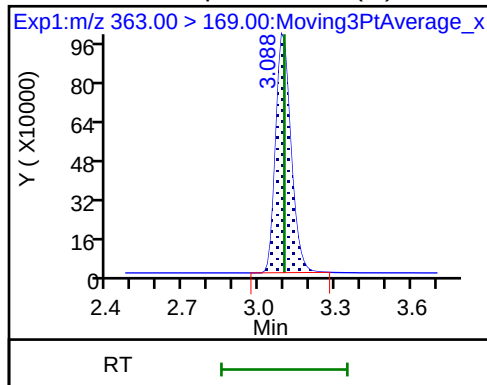
10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid (M)

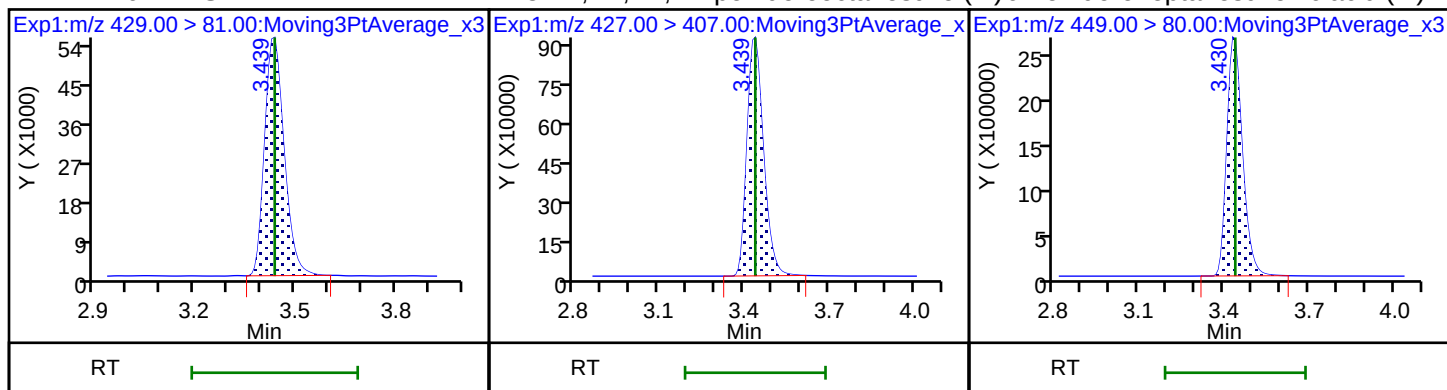
77 DONA (M)

77 DONA (M)



D 12 M2-6:2 FTS

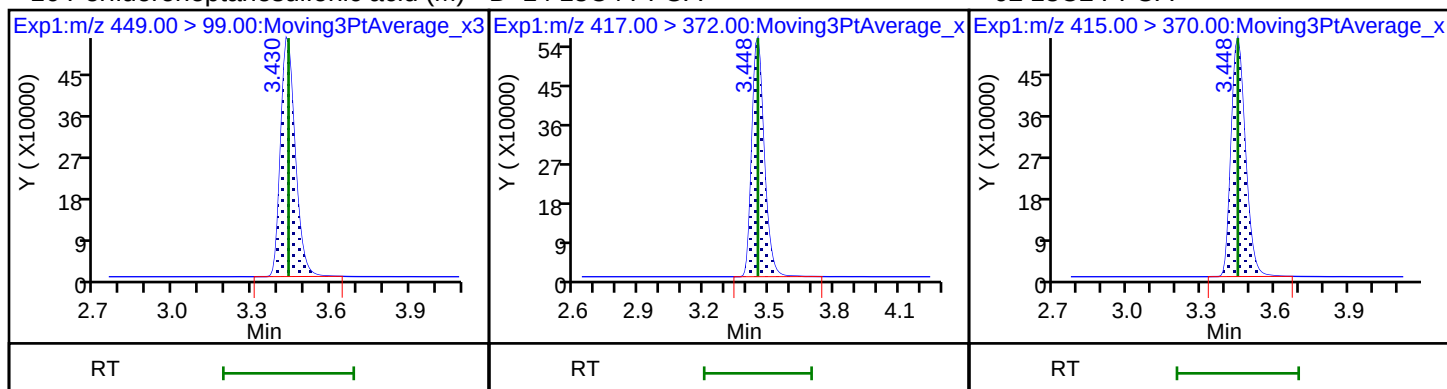
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

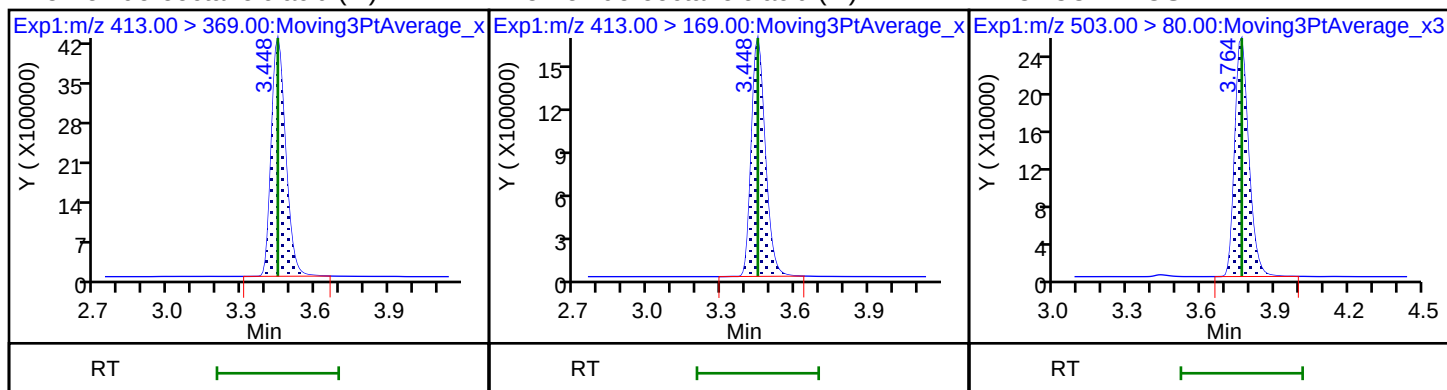
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

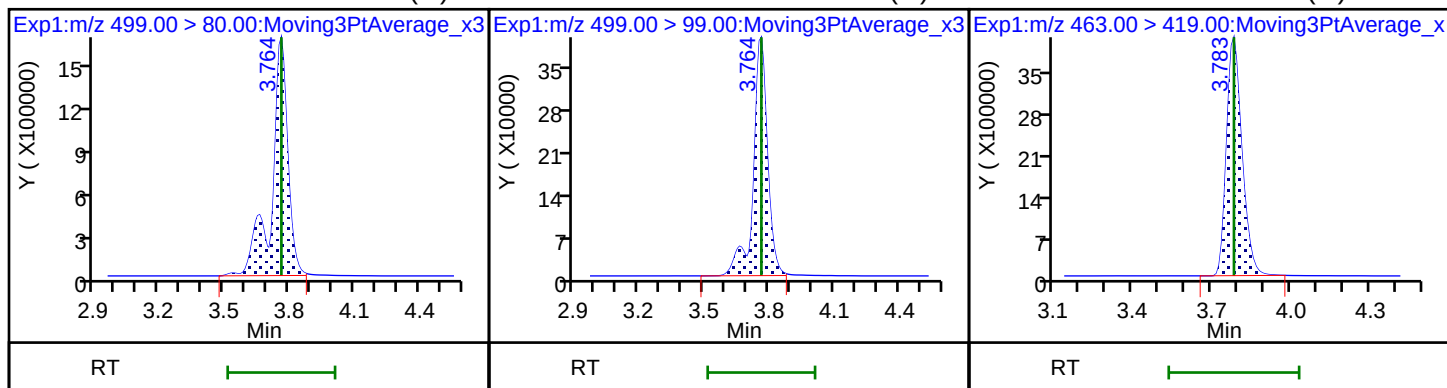
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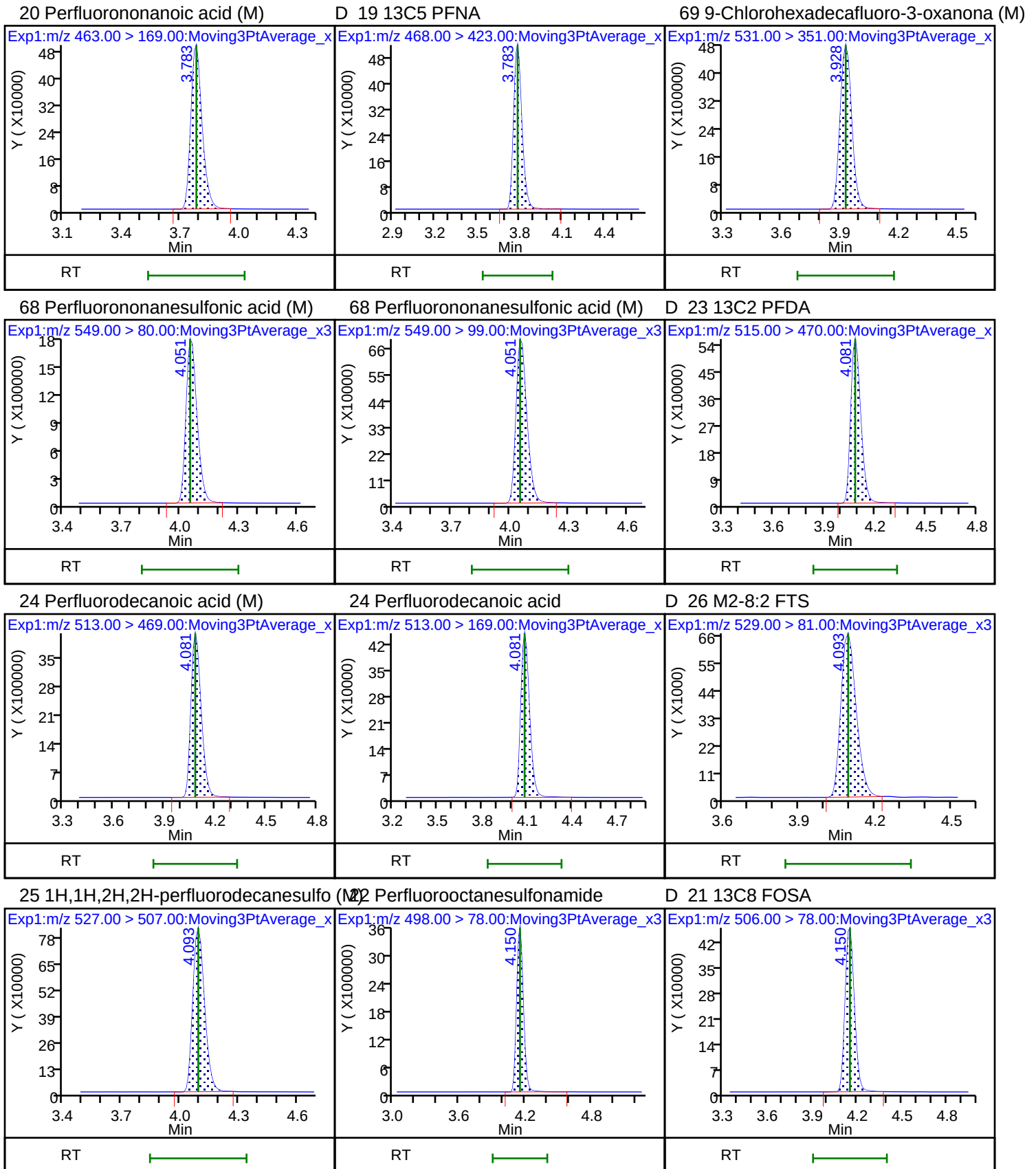


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid (M)

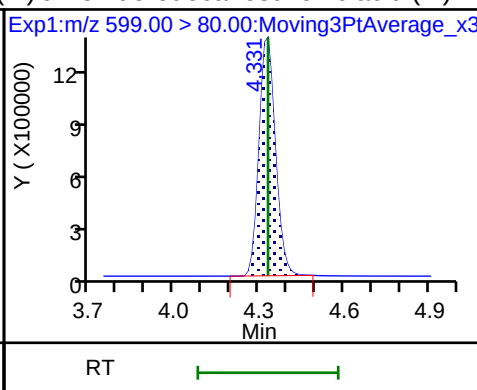
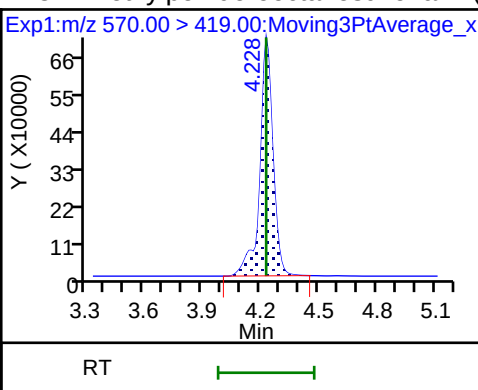
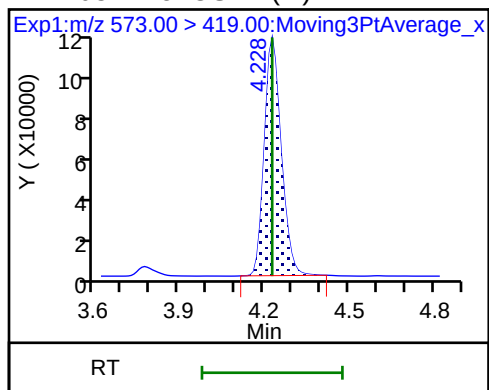




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

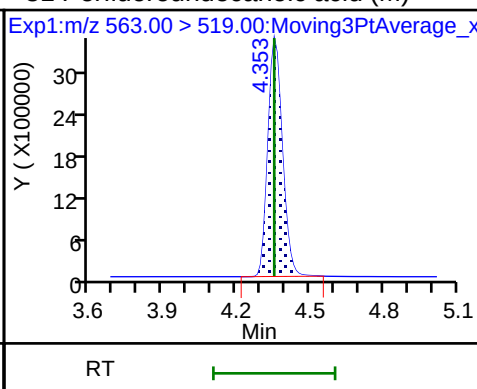
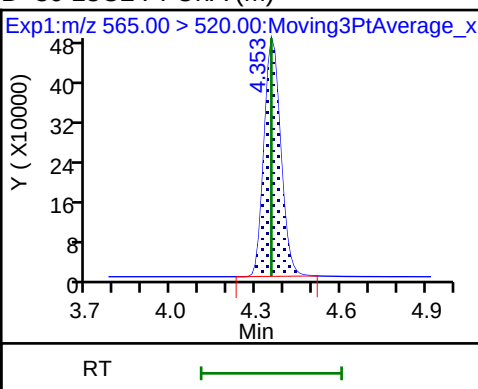
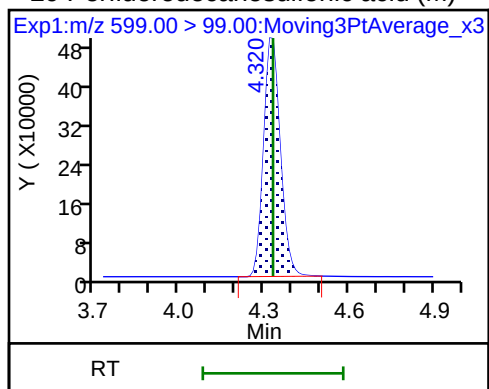
29 Perfluorodecanesulfonic acid (M)



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUnA (M)

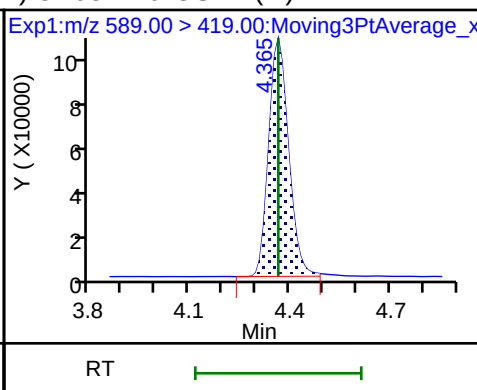
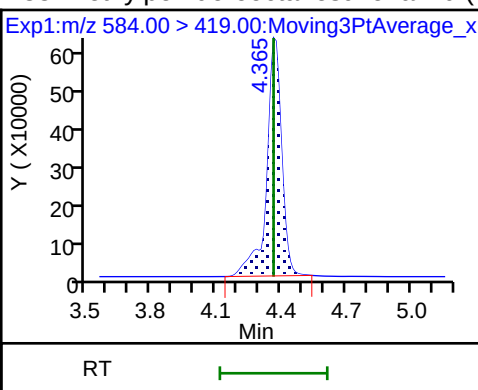
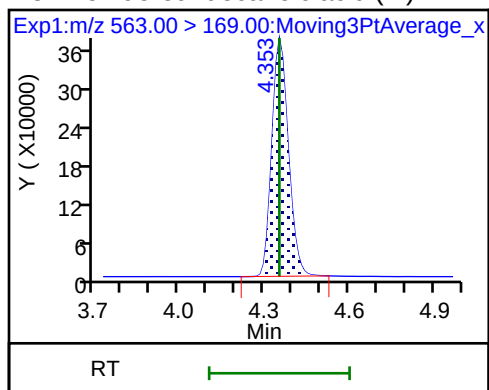
31 Perfluoroundecanoic acid (M)



31 Perfluoroundecanoic acid (M)

33 N-ethylperfluorooctanesulfonamid (M)

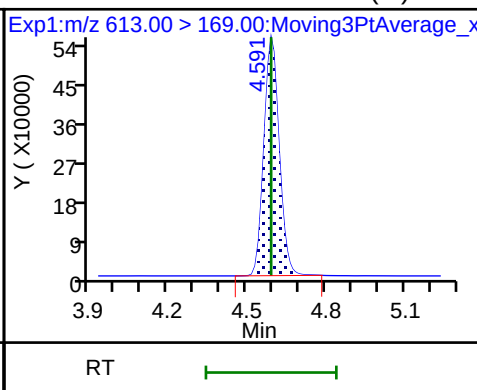
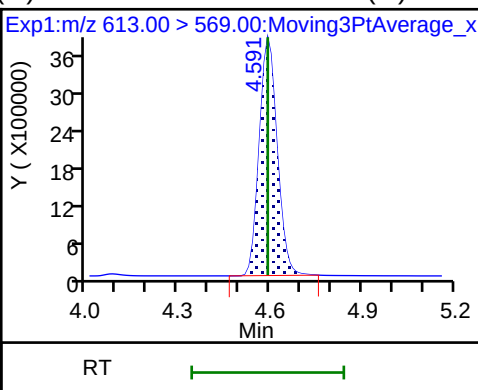
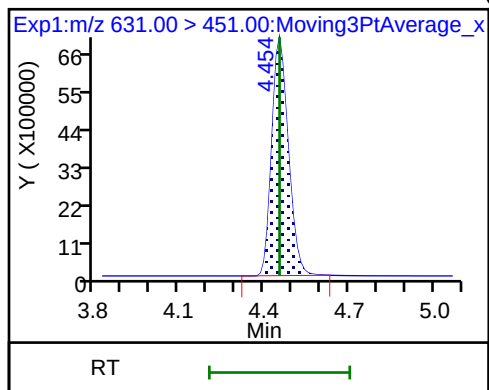
32 d5-NEtFOSAA (M)



66 11-Chloroeicosafluoro-3-oxaundec (M)

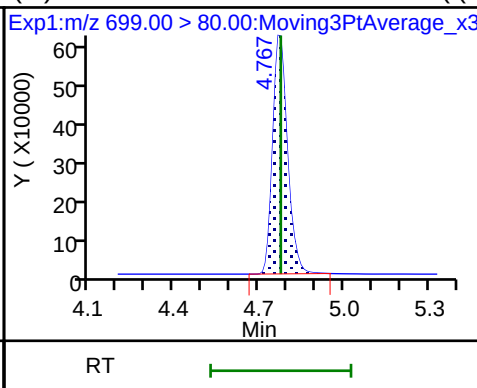
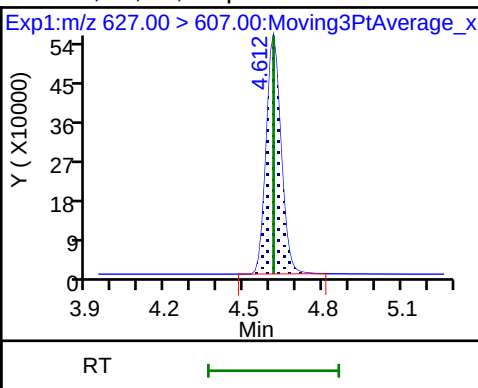
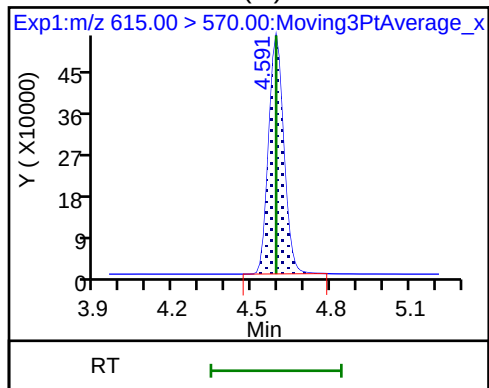
37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid (M)



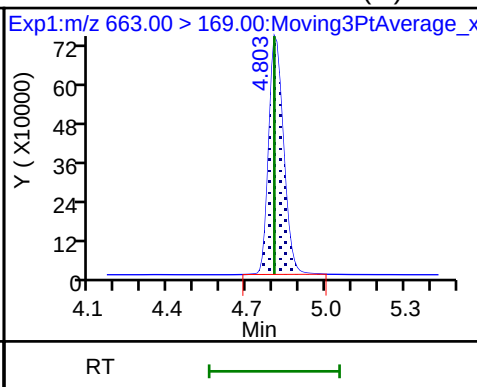
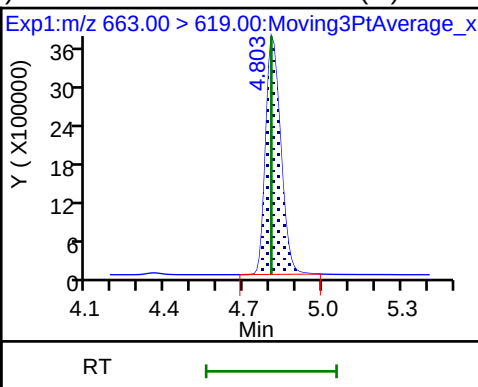
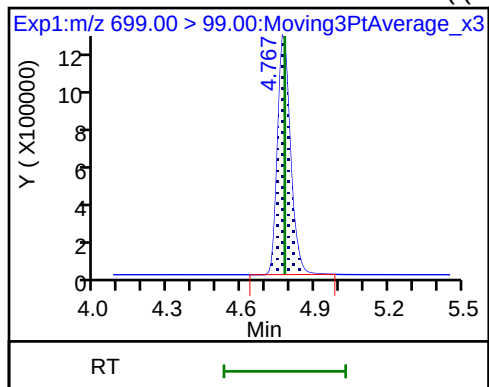
D 36 13C2 PFDa (M)

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



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

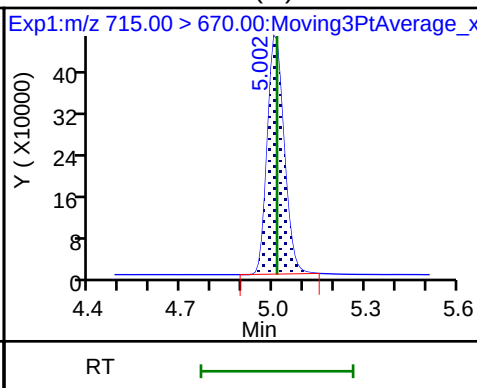
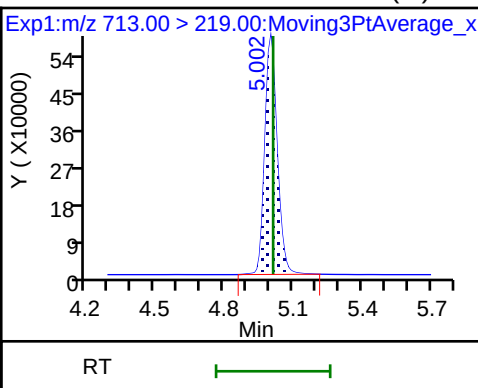
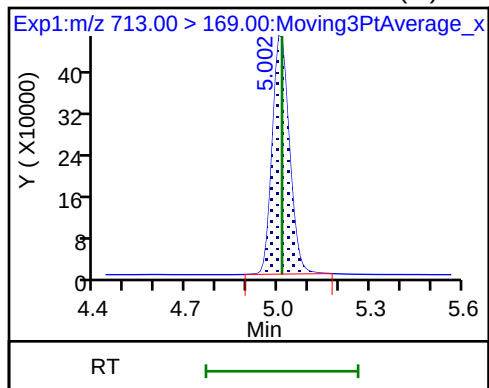
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

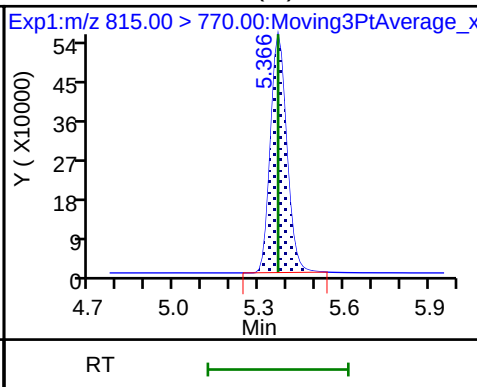
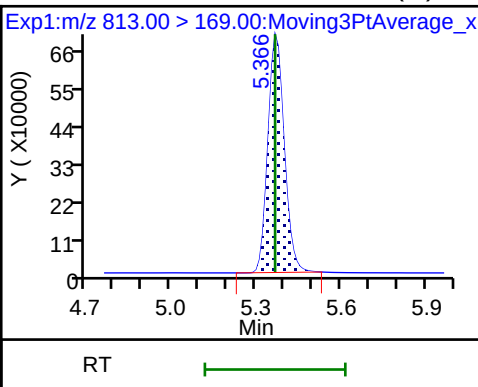
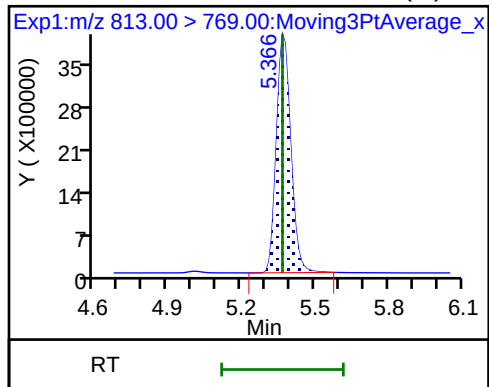
D 43 13C2 PFTeDA (M)



45 Perfluorohexadecanoic acid (M)

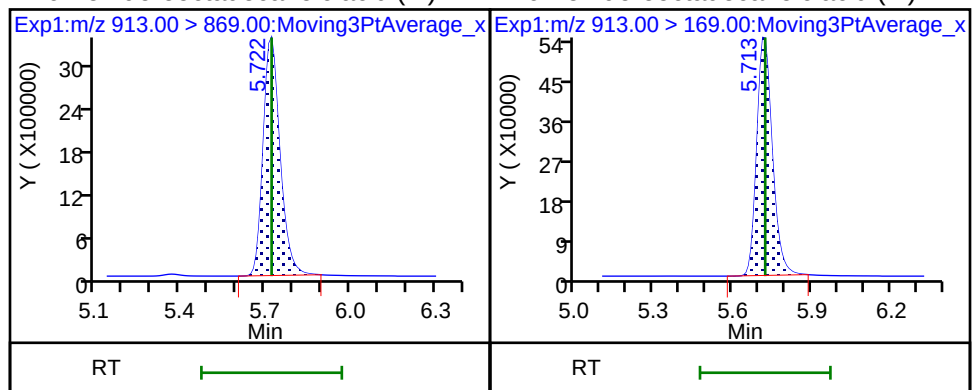
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA (M)



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



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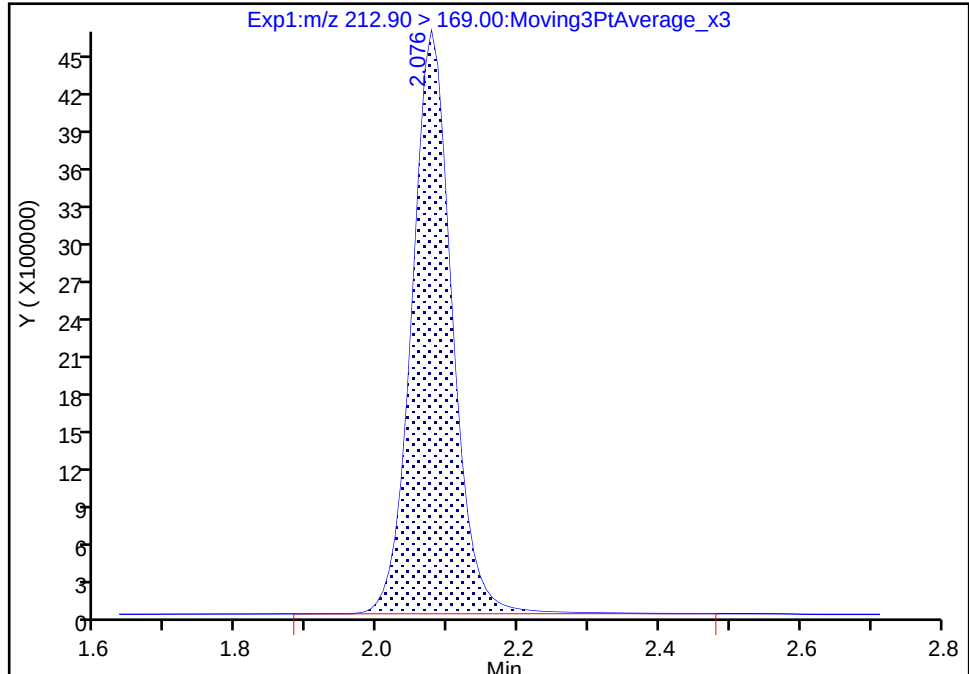
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

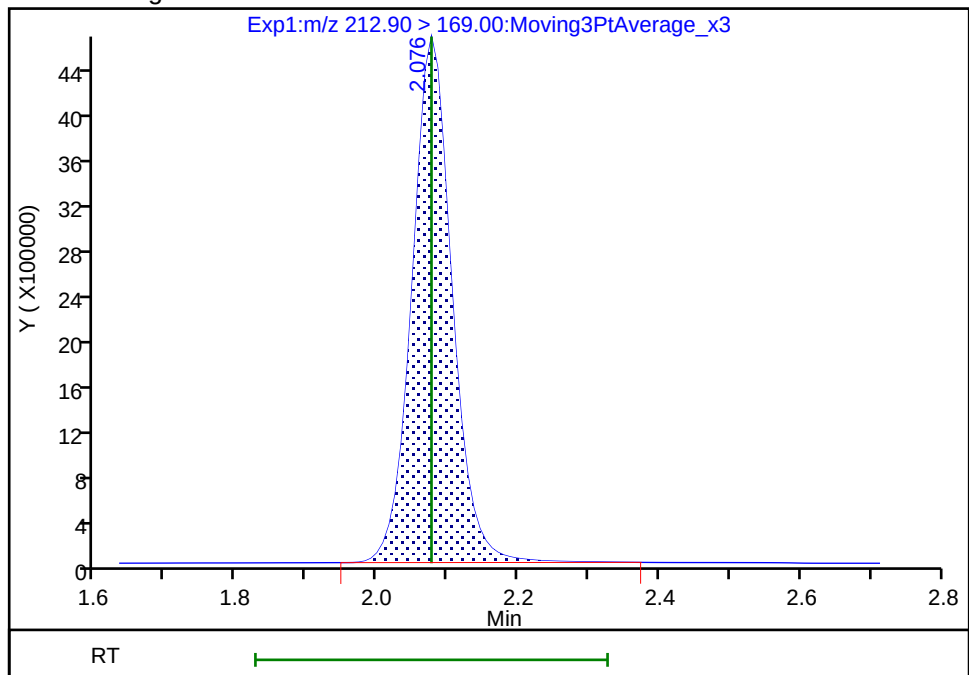
RT: 2.08
Area: 18330073
Amount: 9.001467
Amount Units: ng/ml

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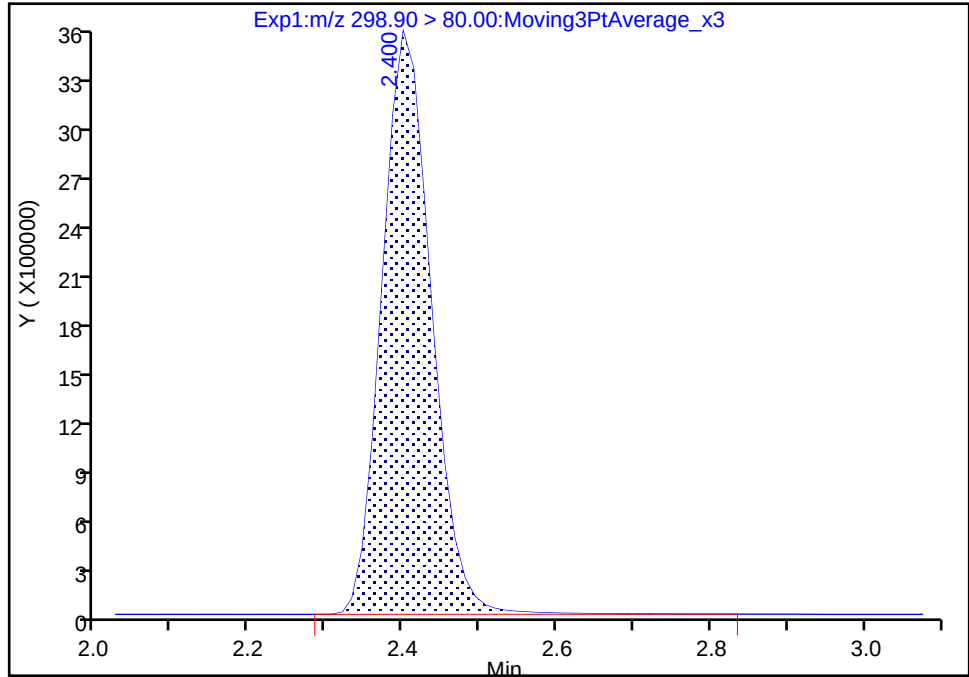
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

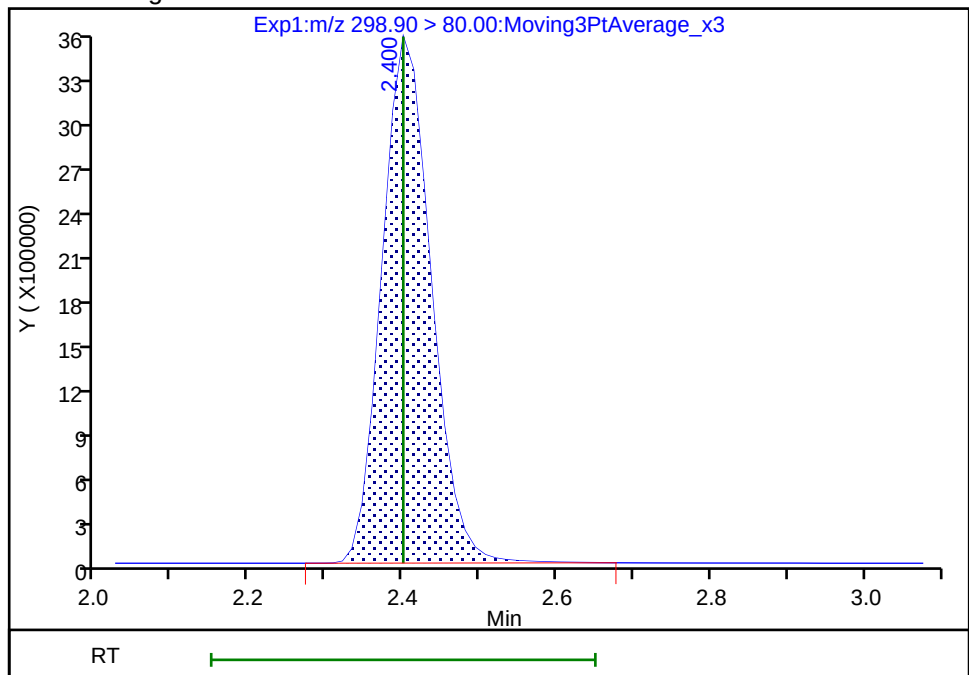
RT: 2.40
Area: 15798970
Amount: 8.357707
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 15764131
Amount: 8.342176
Amount Units: ng/ml

Manual Integration Results



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Audit Action: Manually Integrated

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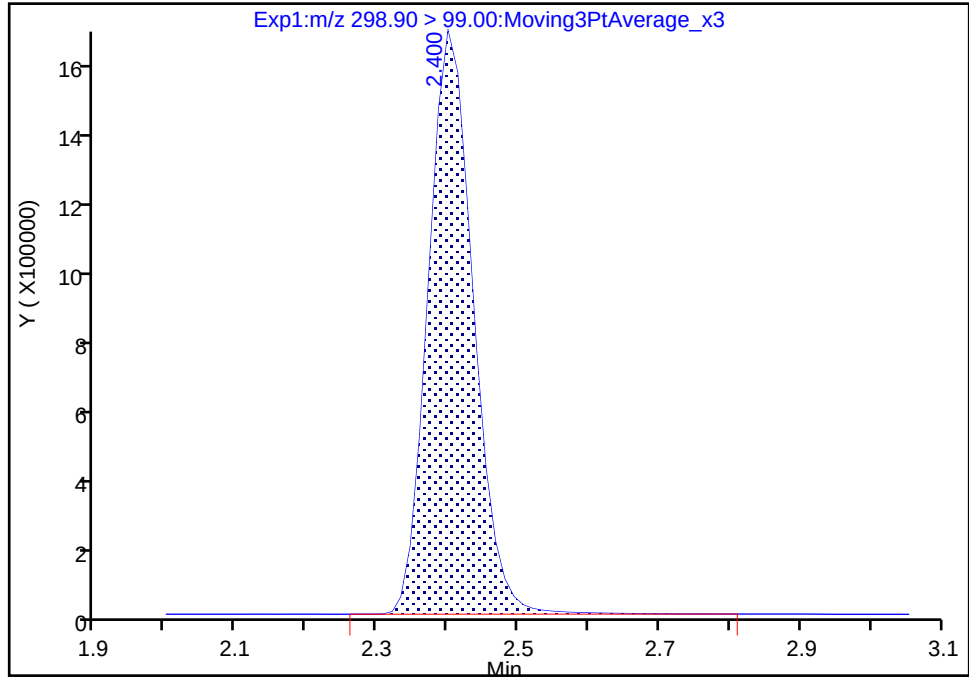
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

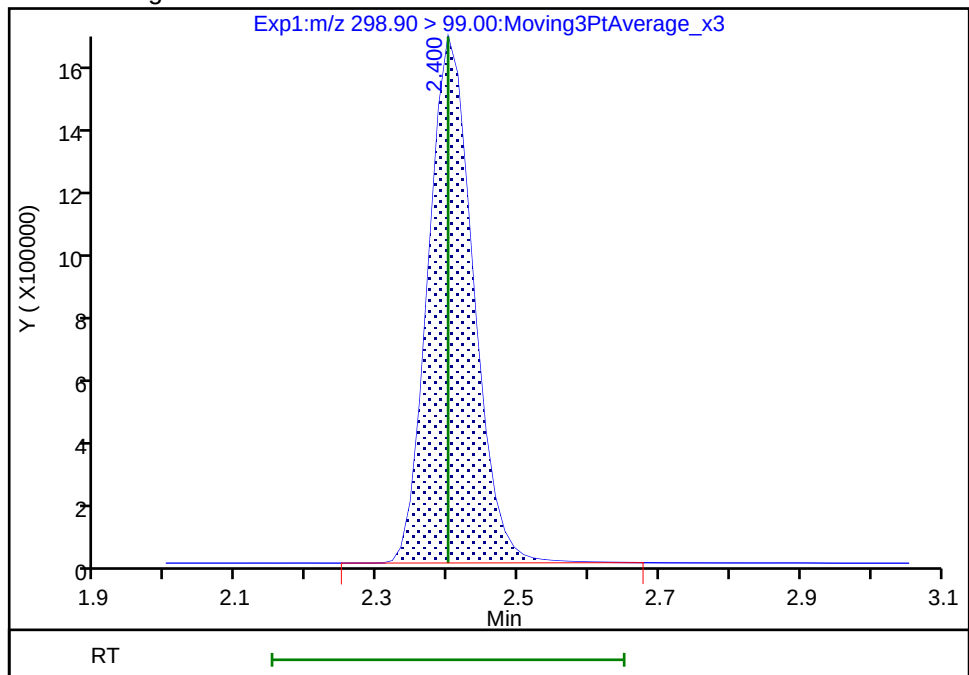
RT: 2.40
Area: 7478716
Amount: 8.357707
Amount Units: ng/ml

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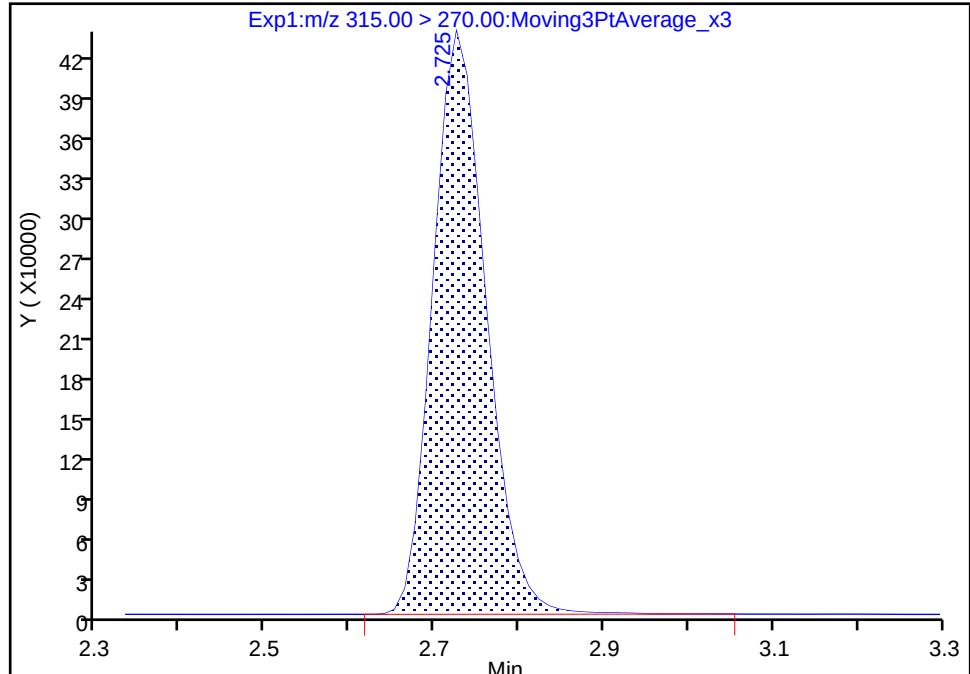
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 7 13C2 PFHxA, CAS: STL00993

Signal: 1

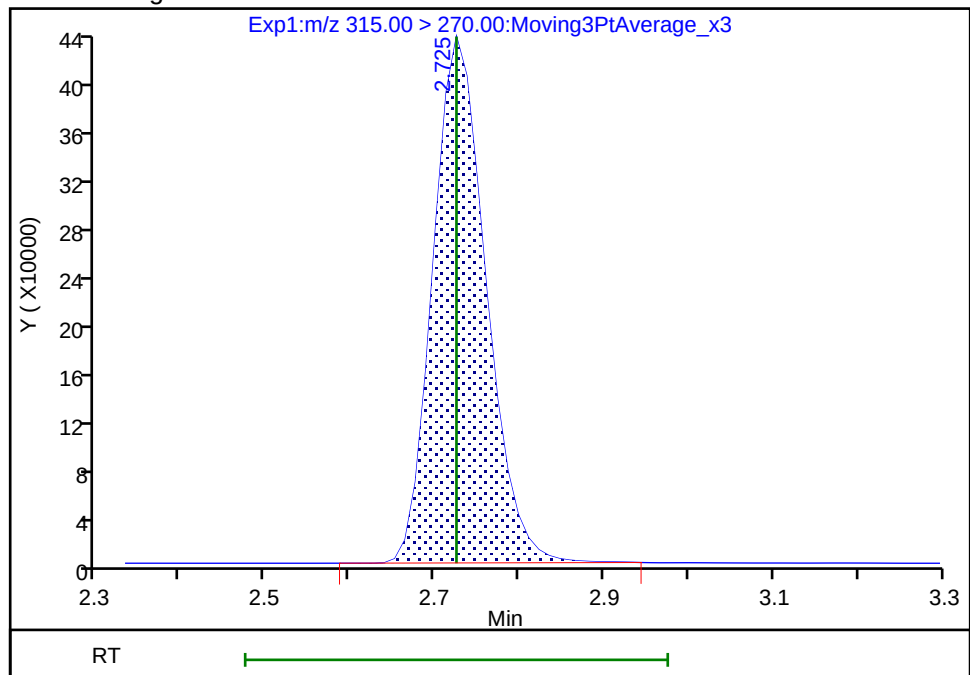
RT: 2.73
Area: 1911172
Amount: 1.275554
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 1905245
Amount: 1.272270
Amount Units: ng/ml

Manual Integration Results



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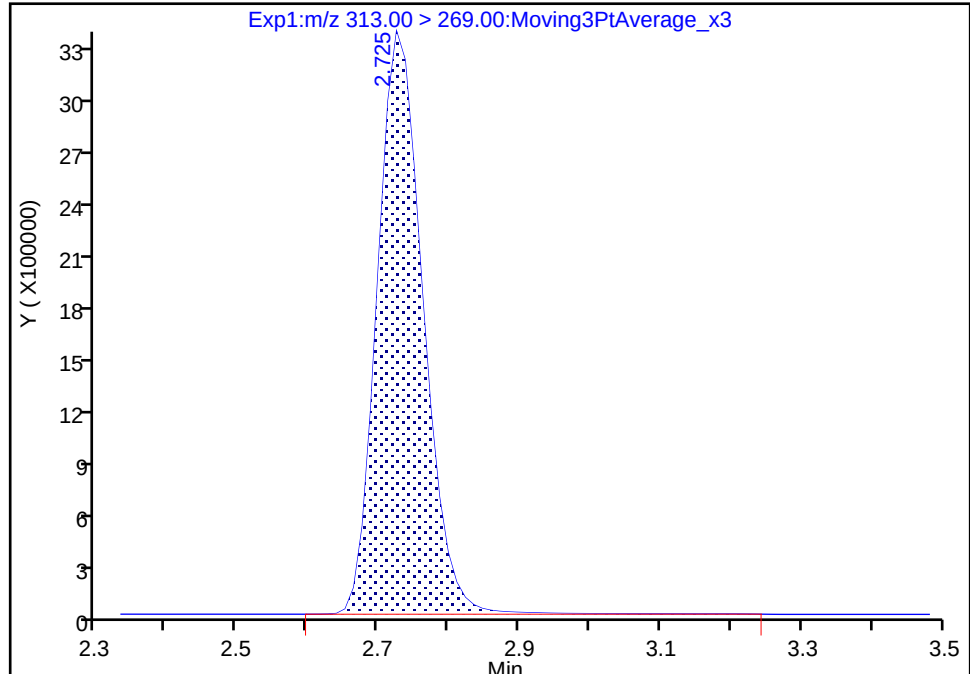
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

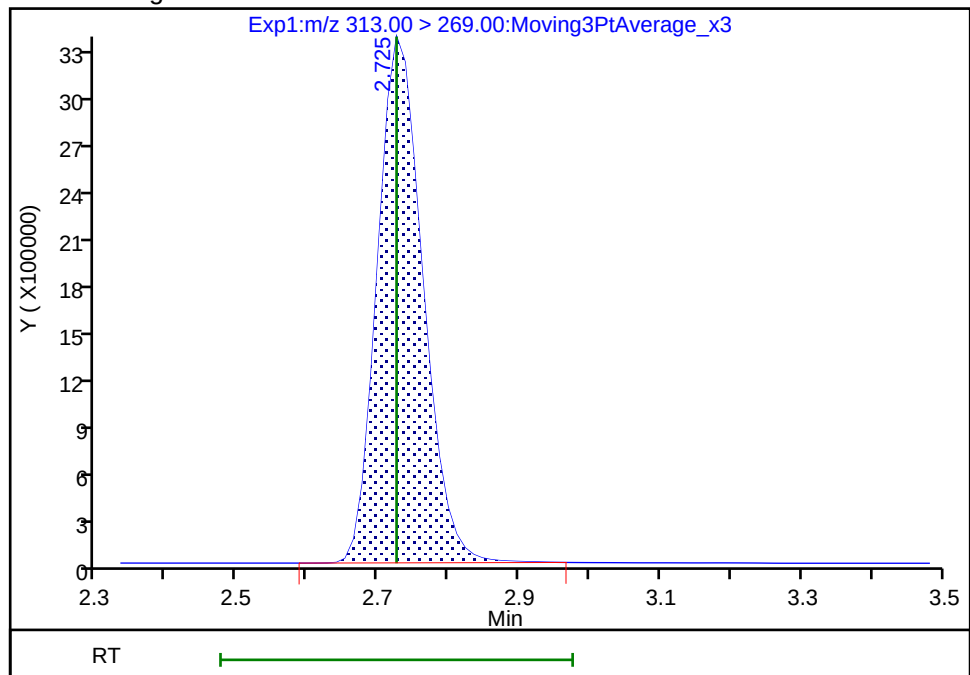
RT: 2.73
Area: 15003210
Amount: 9.027111
Amount Units: ng/ml

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

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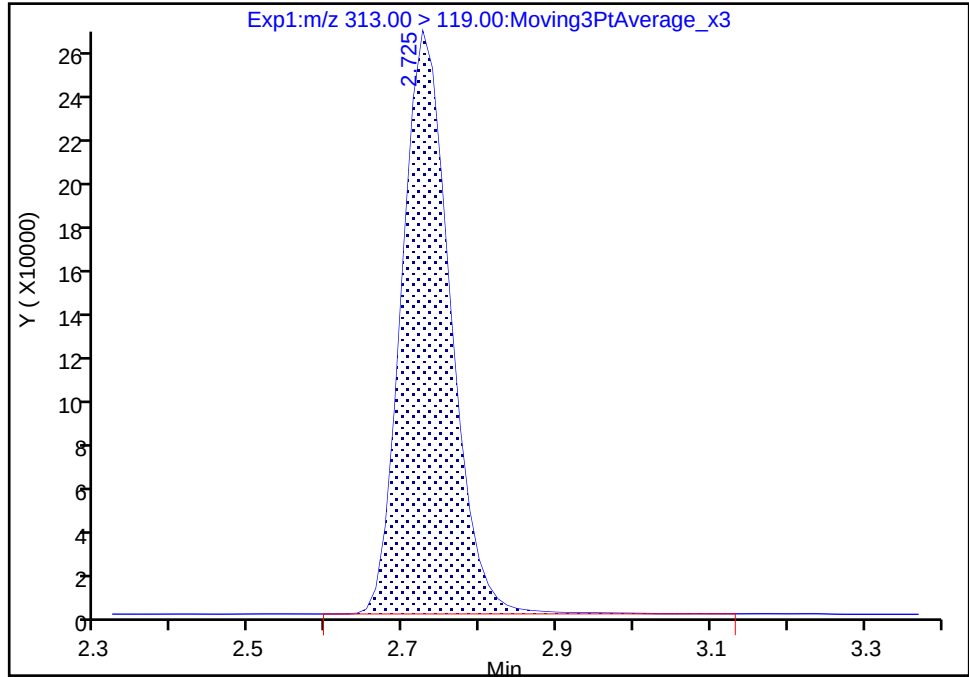
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

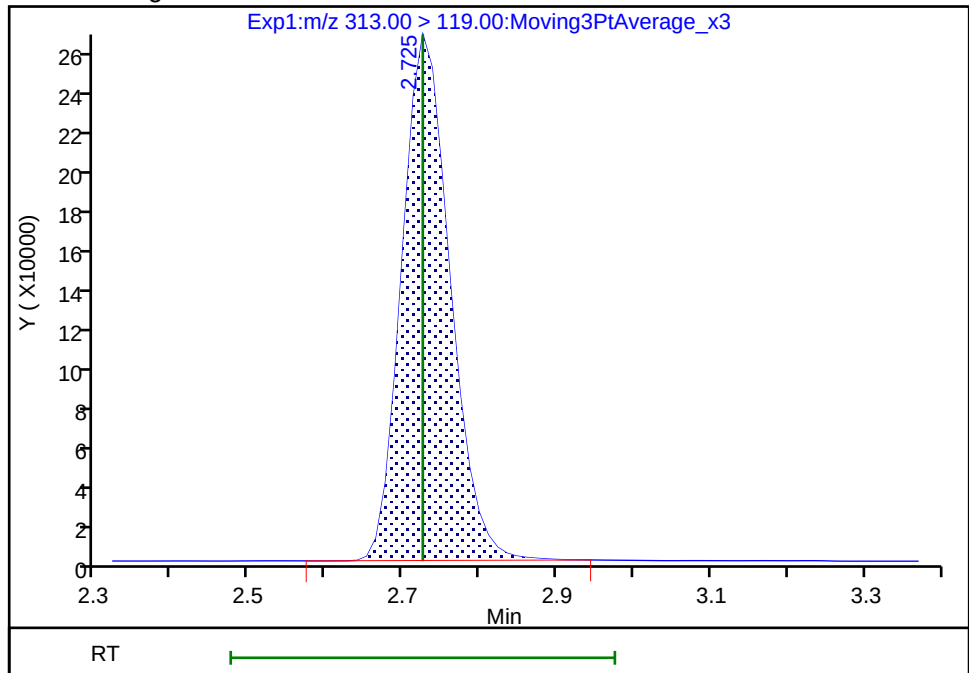
RT: 2.73
Area: 1145989
Amount: 9.027111
Amount Units: ng/ml

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
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Eurofins Burlington

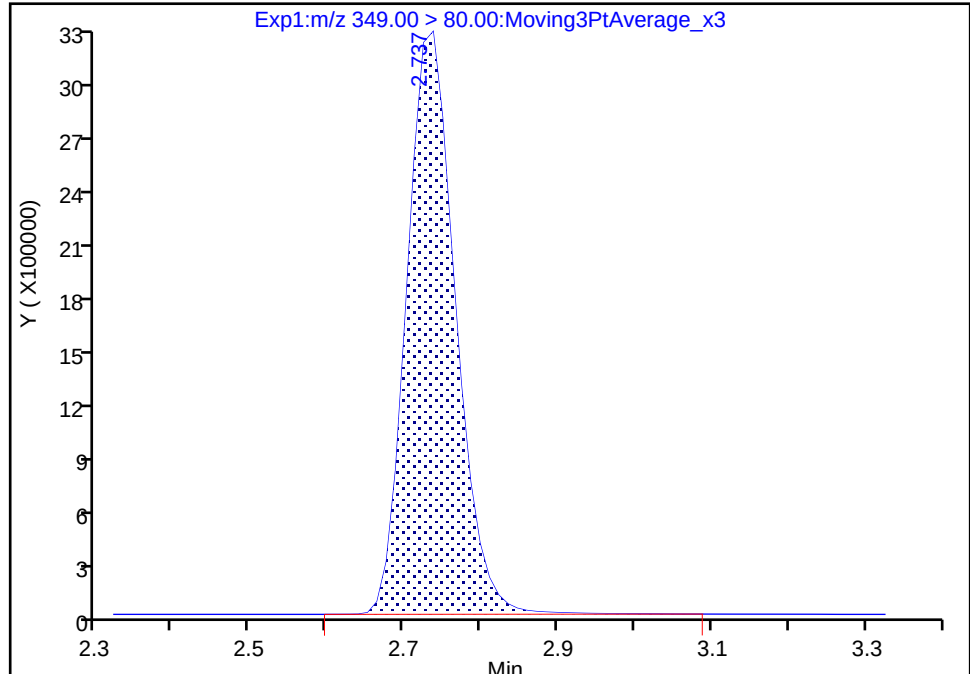
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

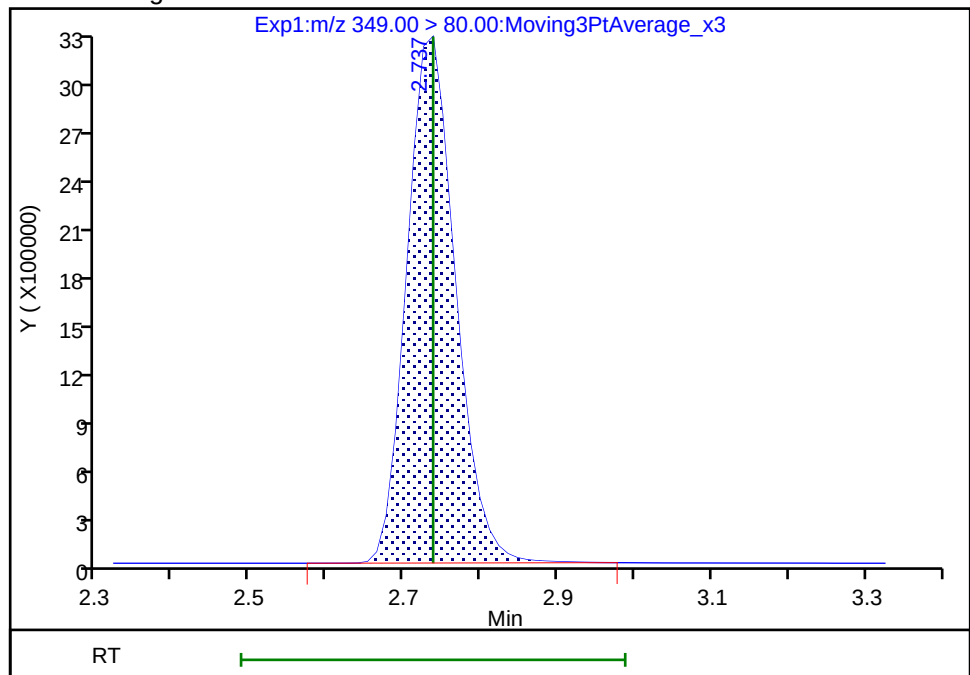
RT: 2.74
Area: 14186111
Amount: 8.840241
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 14151584
Amount: 8.842730
Amount Units: ng/ml

Manual Integration Results



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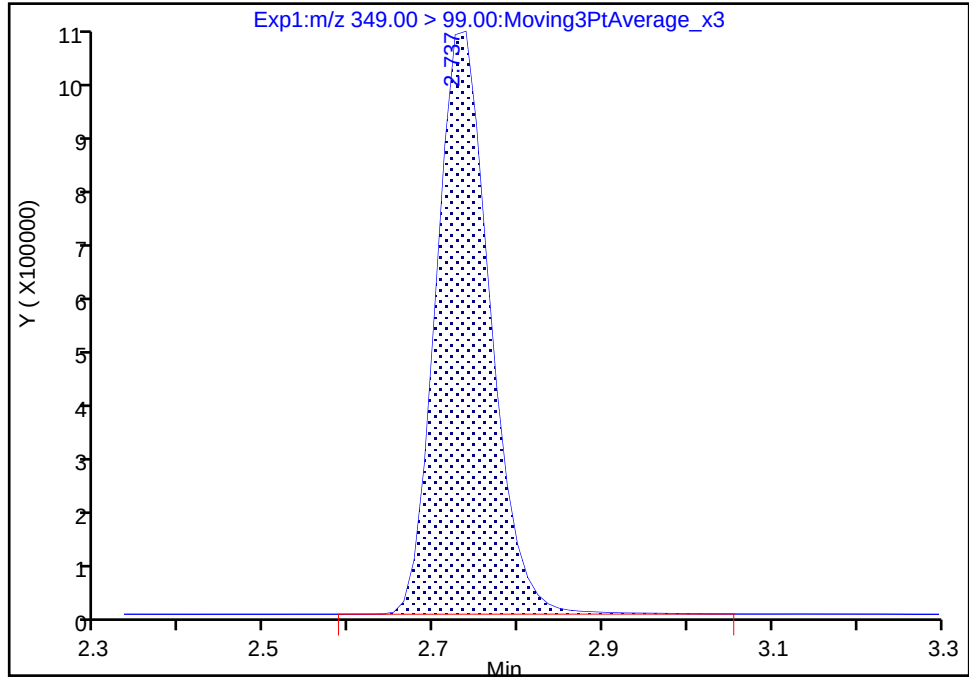
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 2

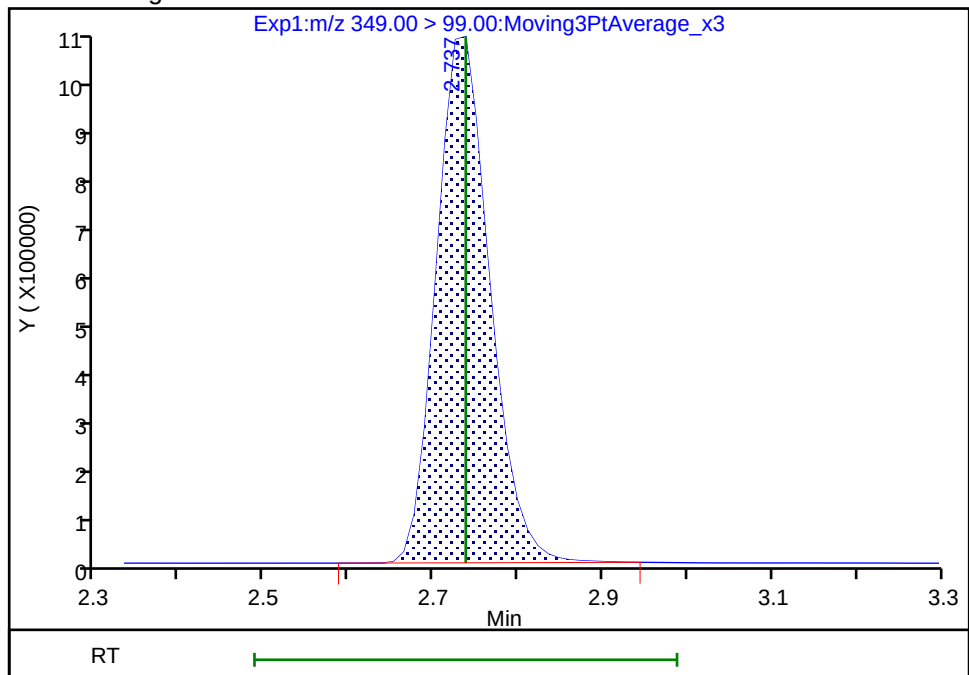
RT: 2.74
Area: 4717898
Amount: 8.840241
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 4699585
Amount: 8.842730
Amount Units: ng/ml

Manual Integration Results



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Audit Action: Manually Integrated

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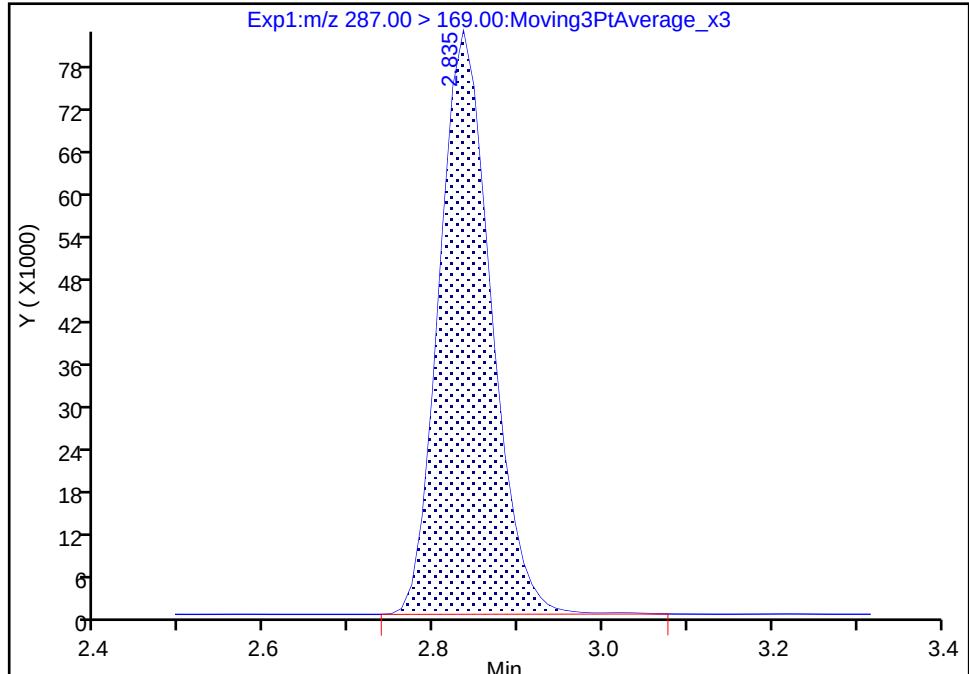
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 64 13C3 HFPO-DA, CAS: STL02255

Signal: 1

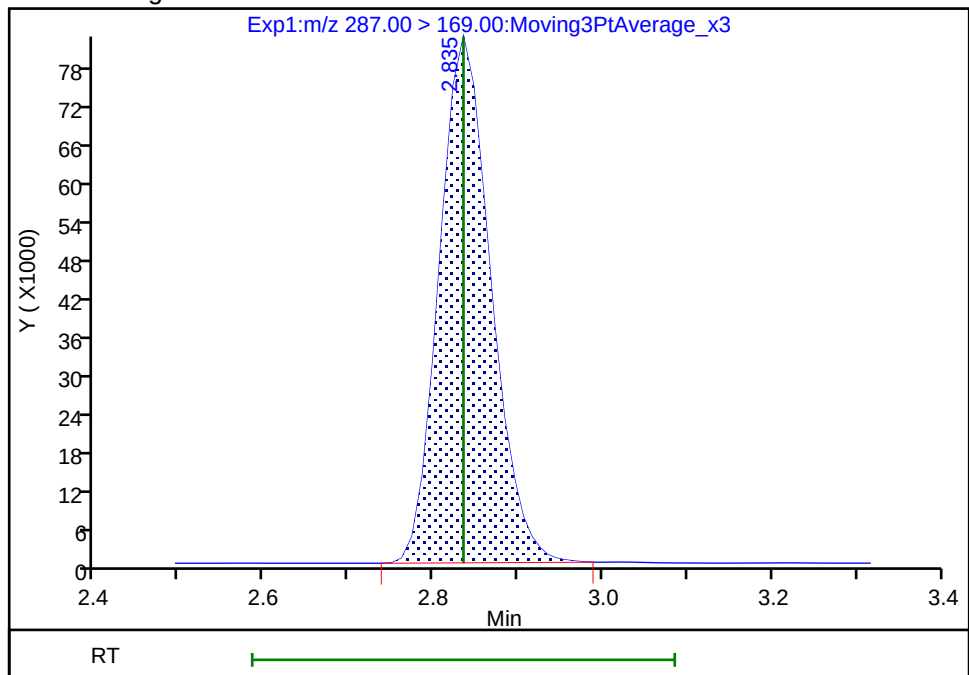
RT: 2.83
Area: 350493
Amount: 1.325043
Amount Units: ng/ml

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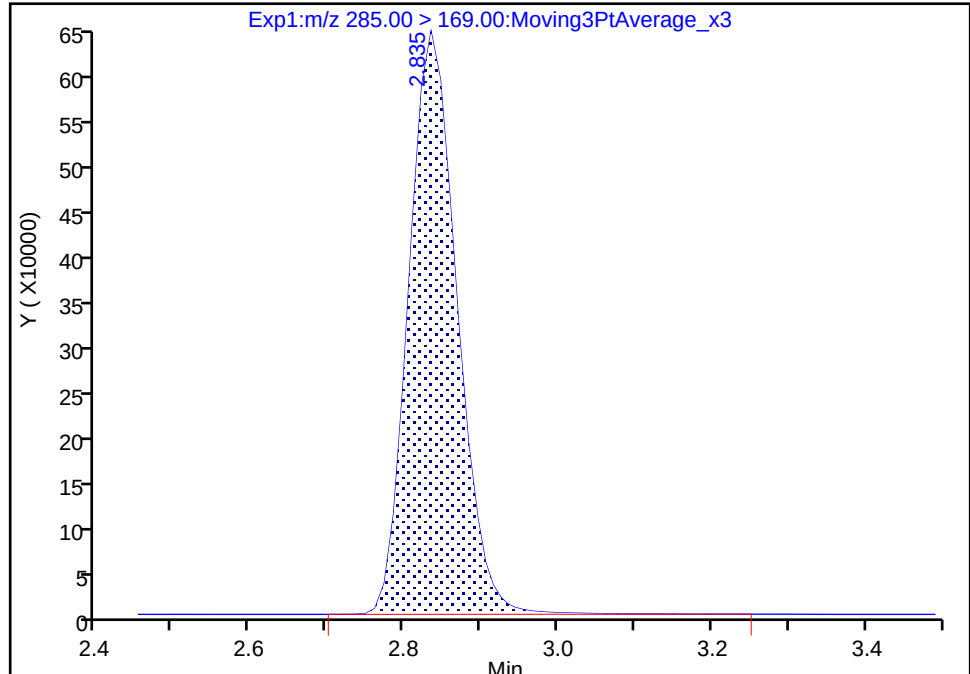
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

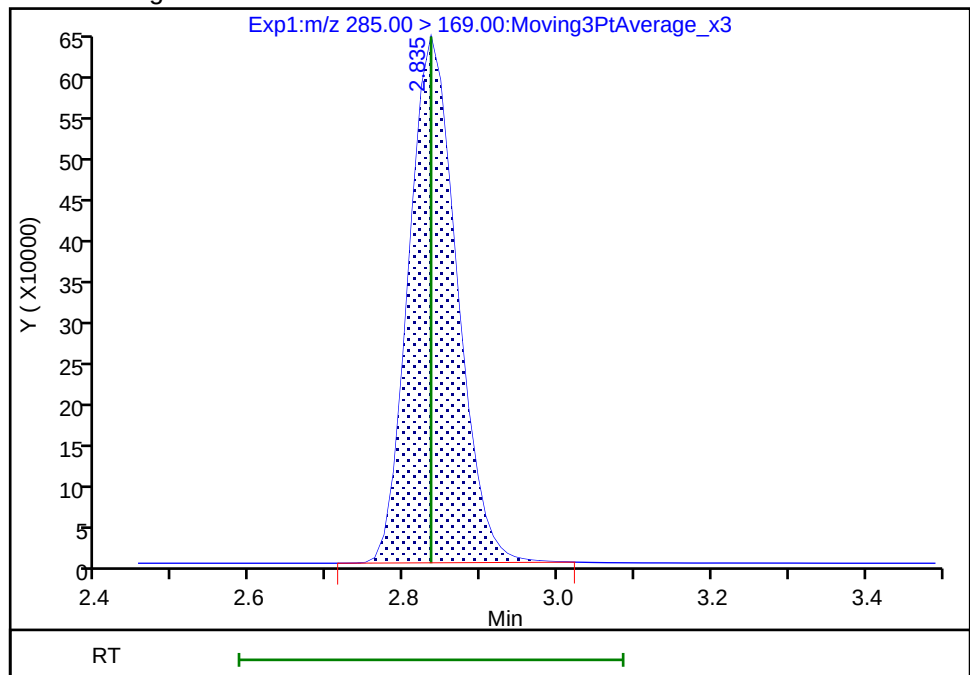
RT: 2.83
Area: 2806230
Amount: 9.475934
Amount Units: ng/ml

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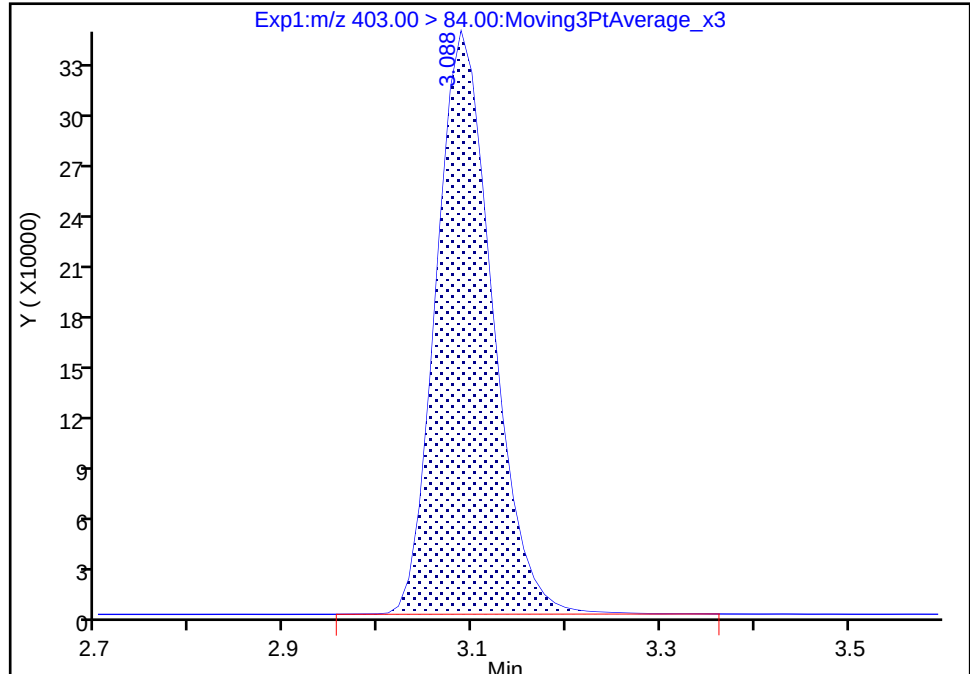
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 11 18O2 PFHxS, CAS: STL00994

Signal: 1

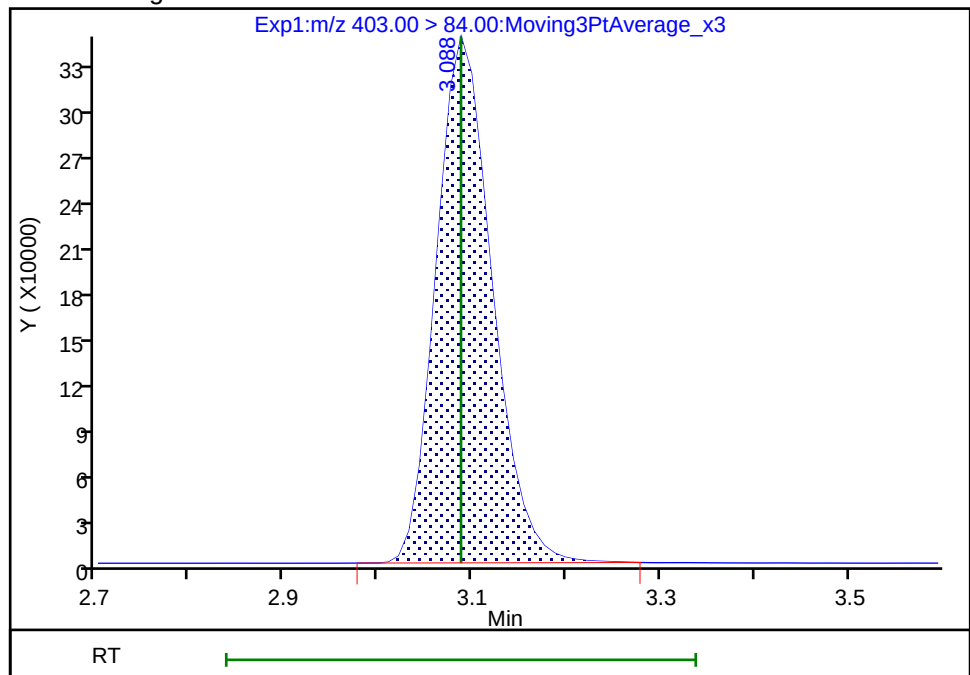
RT: 3.09
Area: 1421016
Amount: 1.255570
Amount Units: ng/ml

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
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Eurofins Burlington

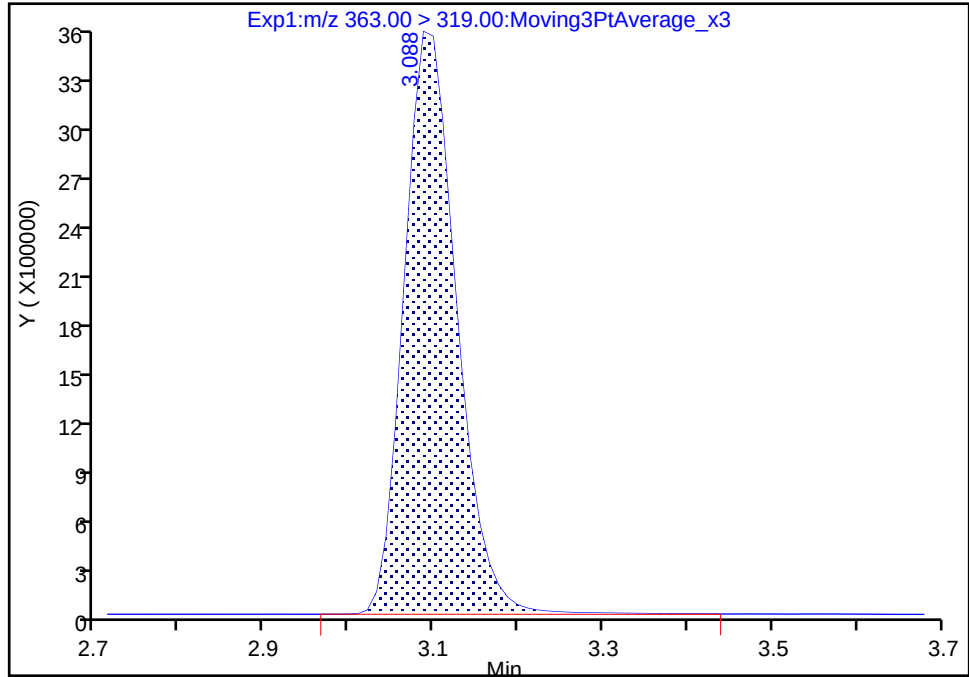
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

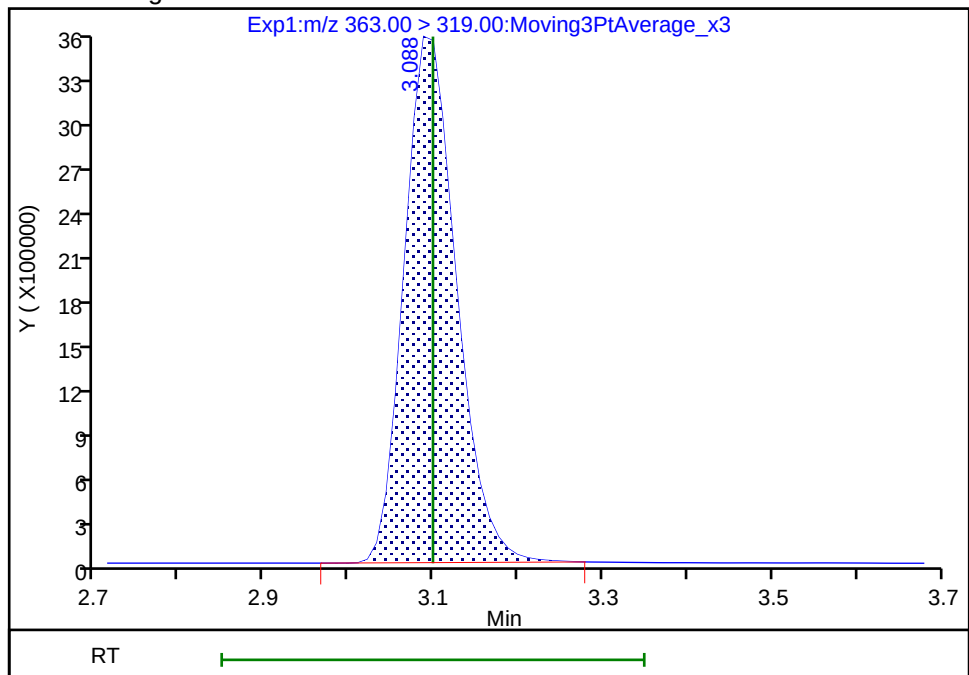
RT: 3.09
Area: 15507574
Amount: 9.027672
Amount Units: ng/ml

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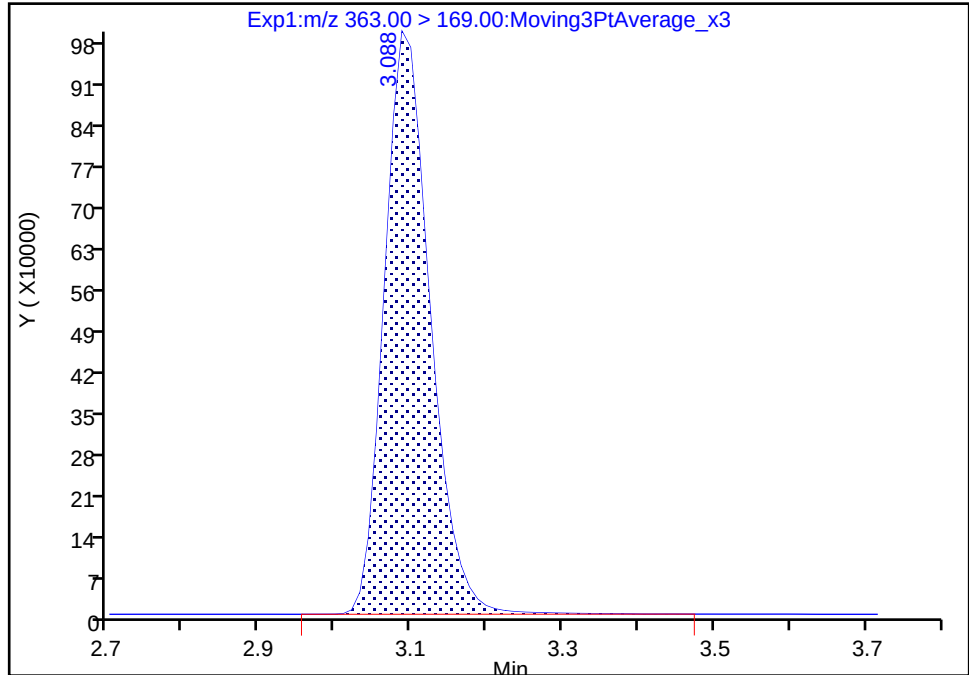
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

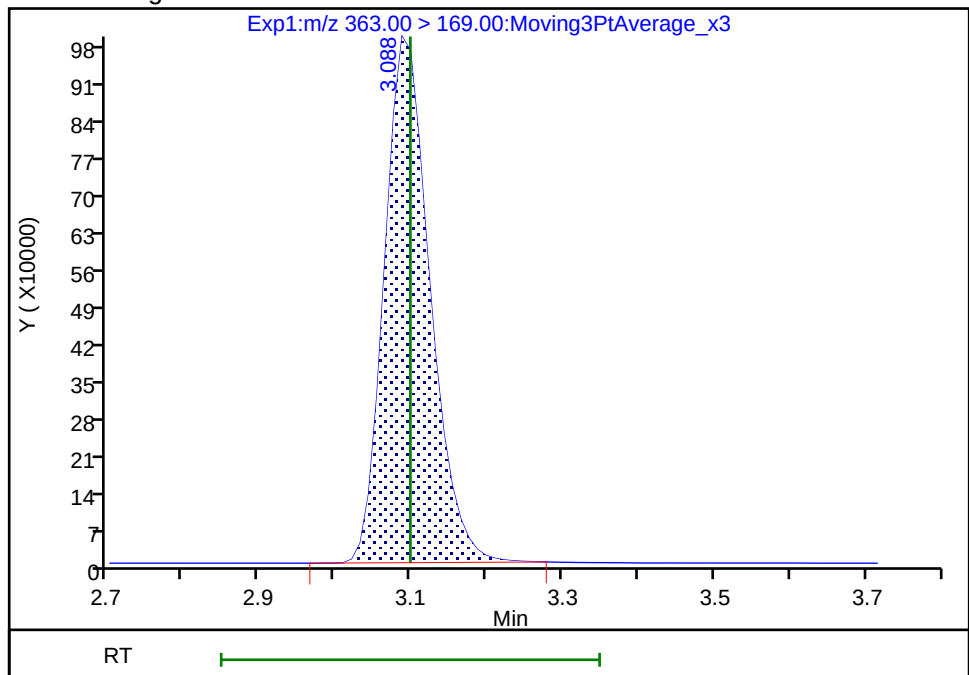
RT: 3.09
Area: 4165412
Amount: 9.027672
Amount Units: ng/ml

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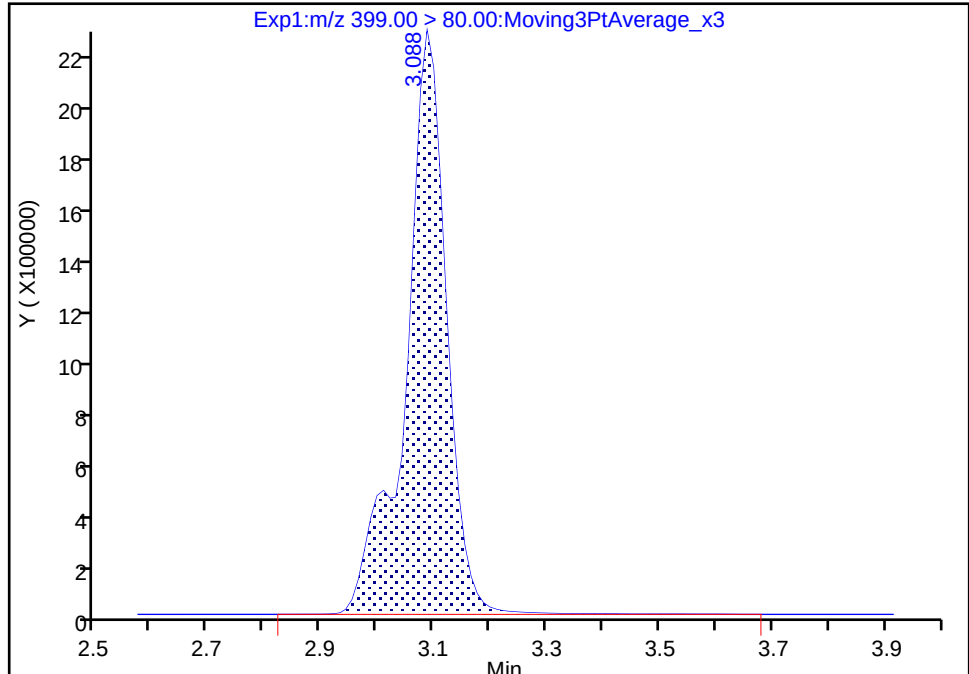
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

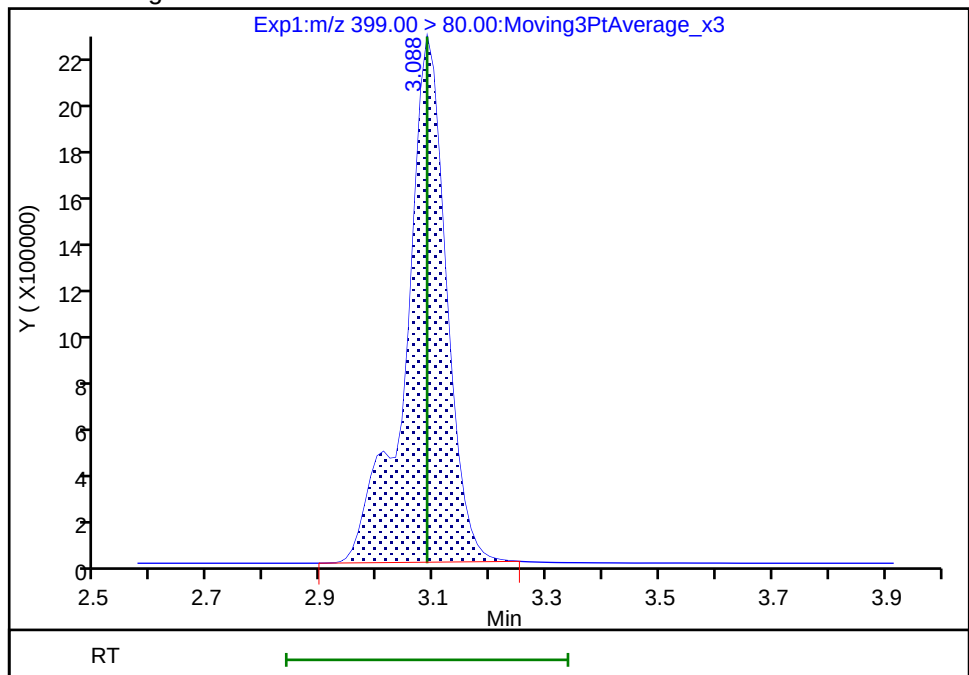
RT: 3.09
Area: 11572919
Amount: 8.540763
Amount Units: ng/ml

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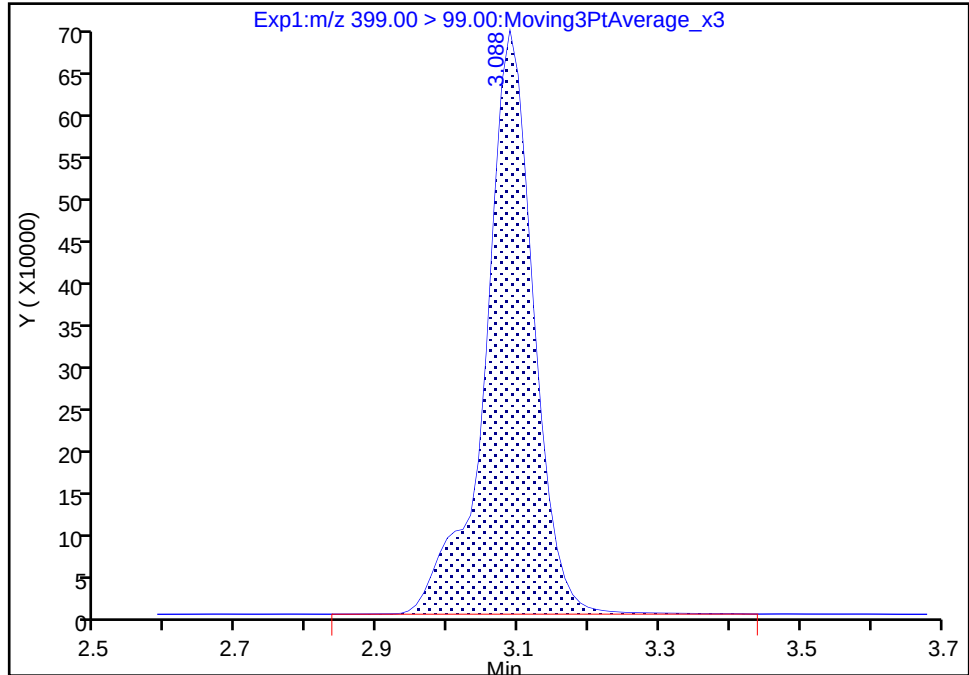
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

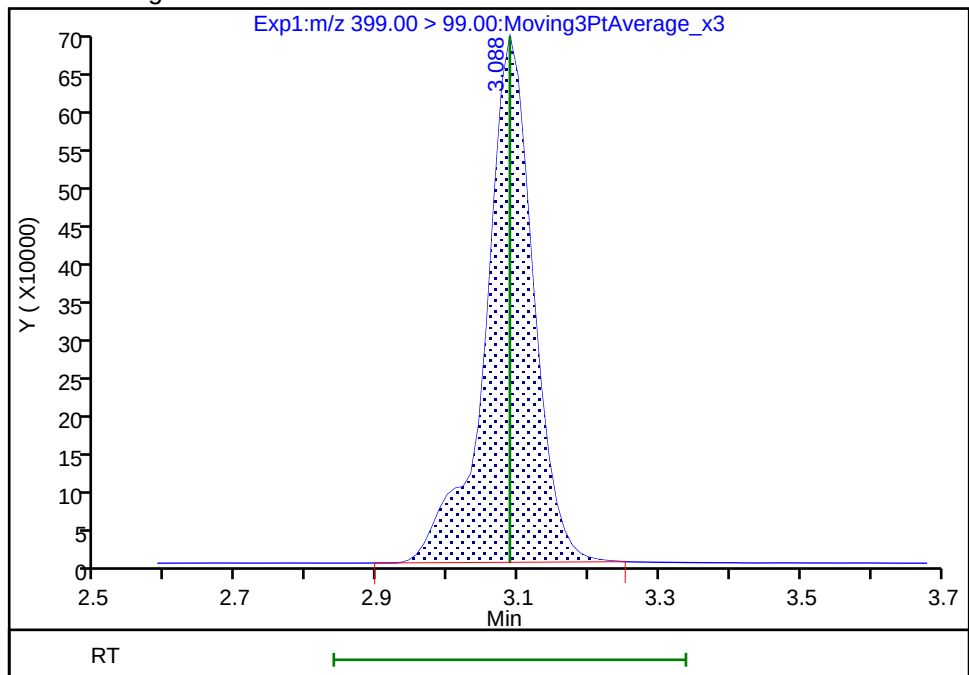
RT: 3.09
Area: 3294366
Amount: 8.540763
Amount Units: ng/ml

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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Eurofins Burlington

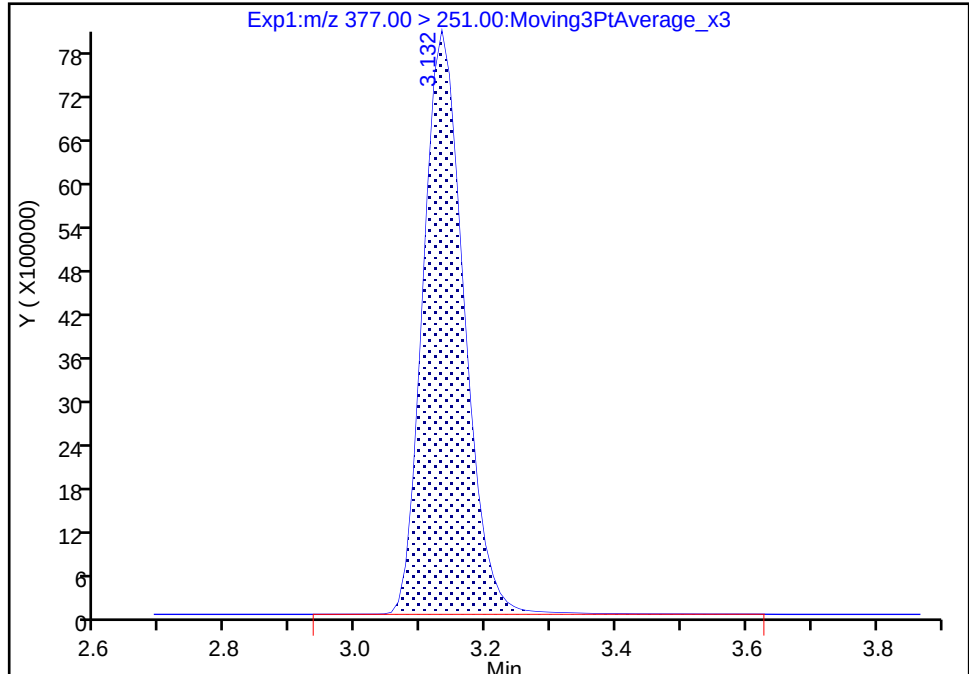
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

77 DONA, CAS: 919005-14-4

Signal: 1

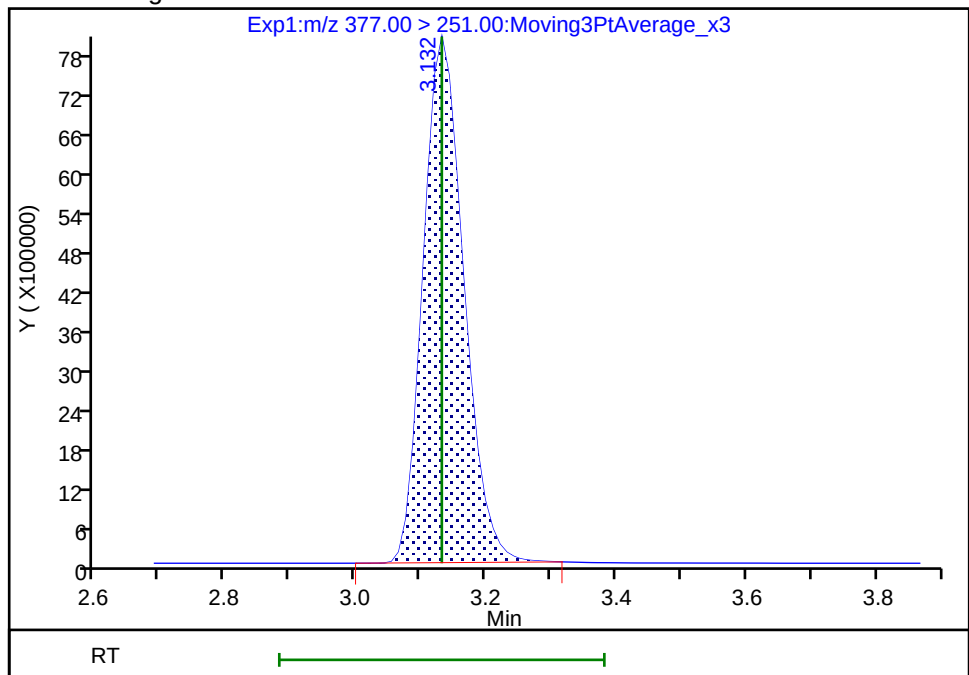
RT: 3.13
Area: 35196938
Amount: 7.677645
Amount Units: ng/ml

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
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Eurofins Burlington

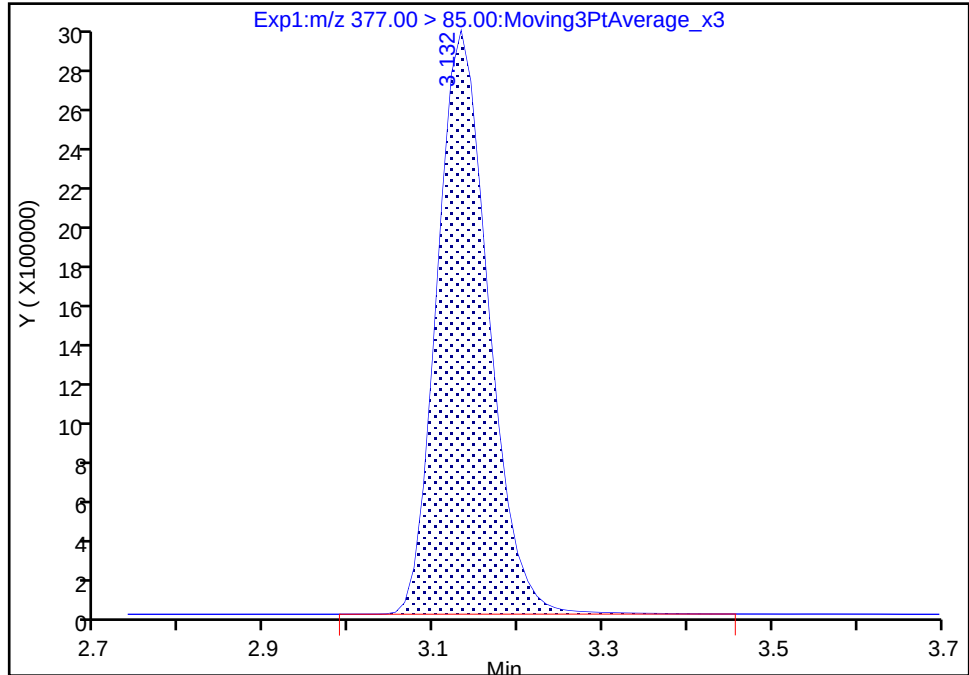
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

77 DONA, CAS: 919005-14-4

Signal: 2

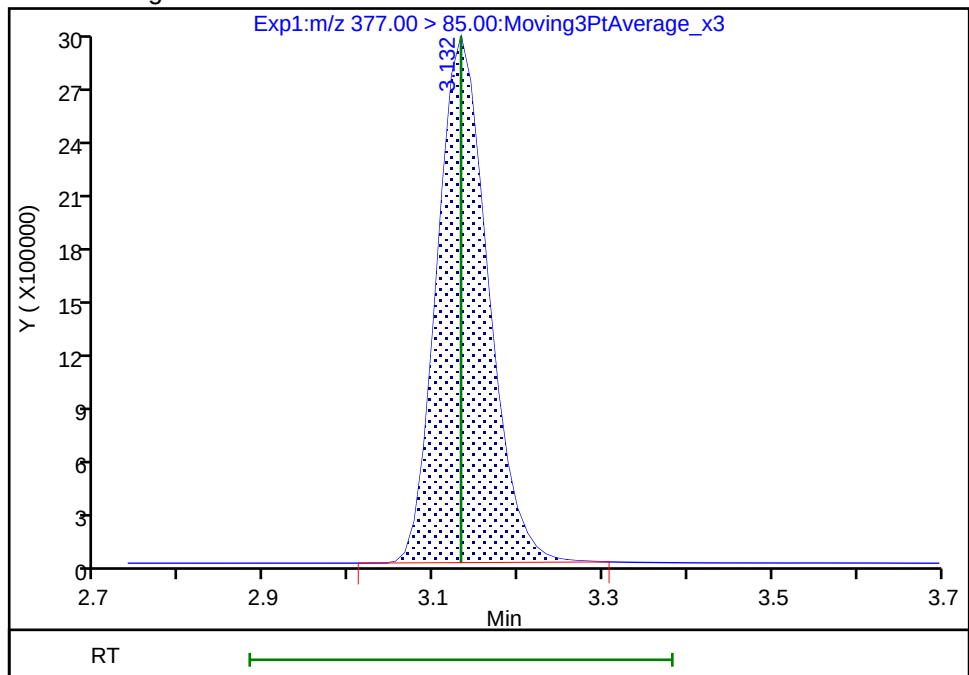
RT: 3.13
Area: 12365652
Amount: 7.677645
Amount Units: ng/ml

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
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Eurofins Burlington

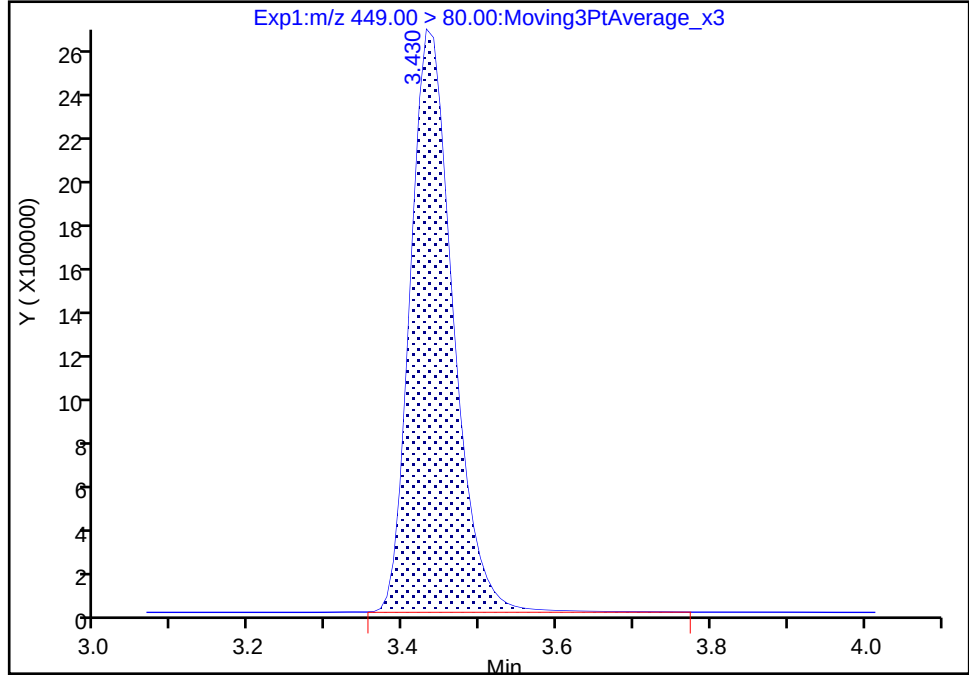
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

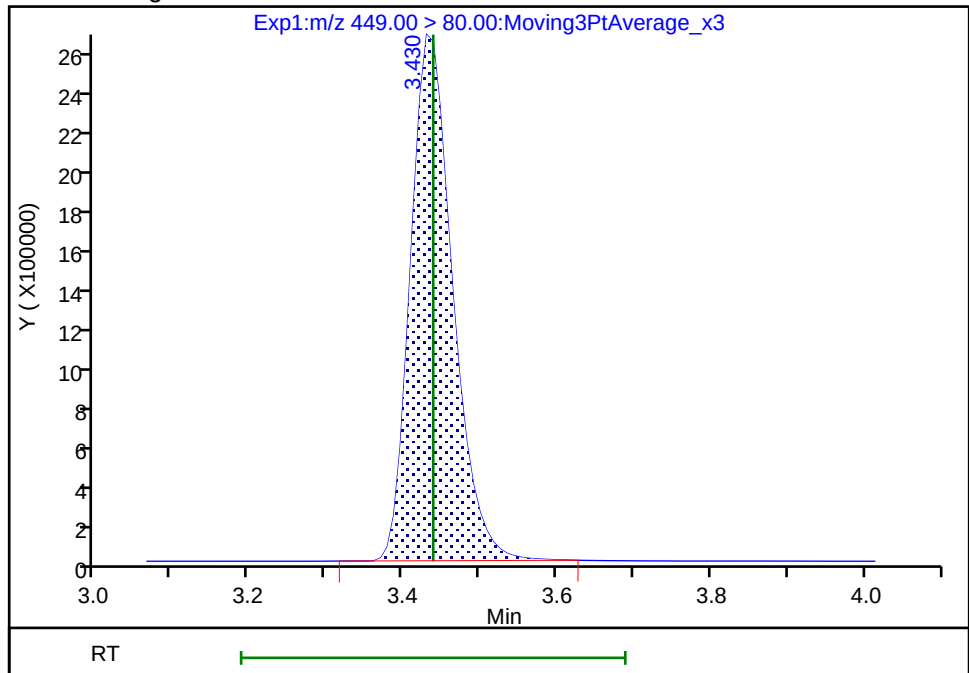
RT: 3.43
Area: 10231634
Amount: 8.801285
Amount Units: ng/ml

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
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Eurofins Burlington

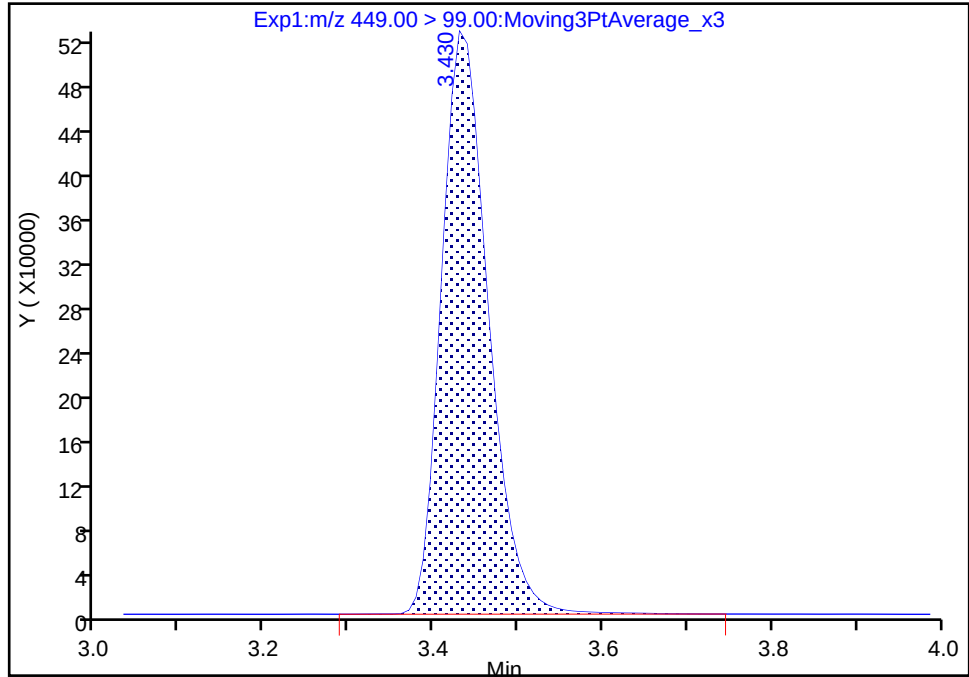
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

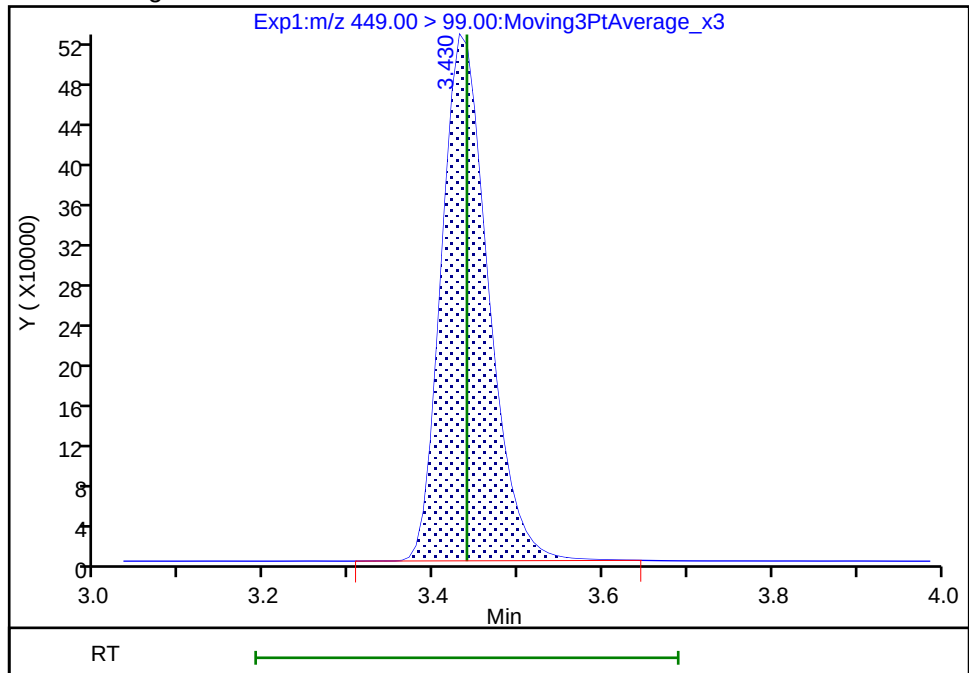
RT: 3.43
Area: 1997290
Amount: 8.801285
Amount Units: ng/ml

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
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Eurofins Burlington

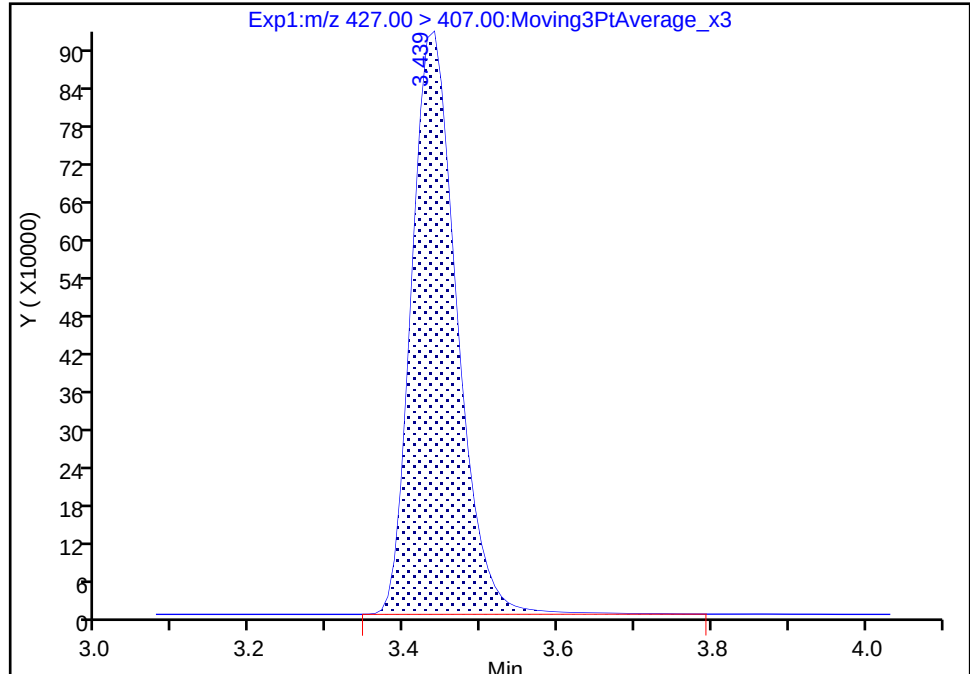
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

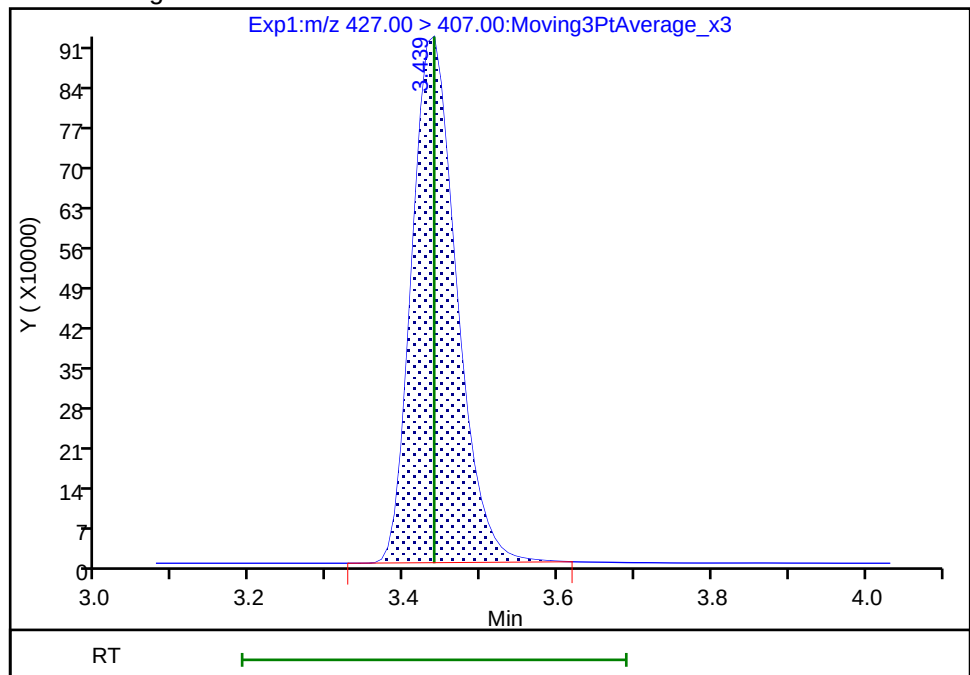
RT: 3.44
Area: 3774301
Amount: 8.926391
Amount Units: ng/ml

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
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Eurofins Burlington

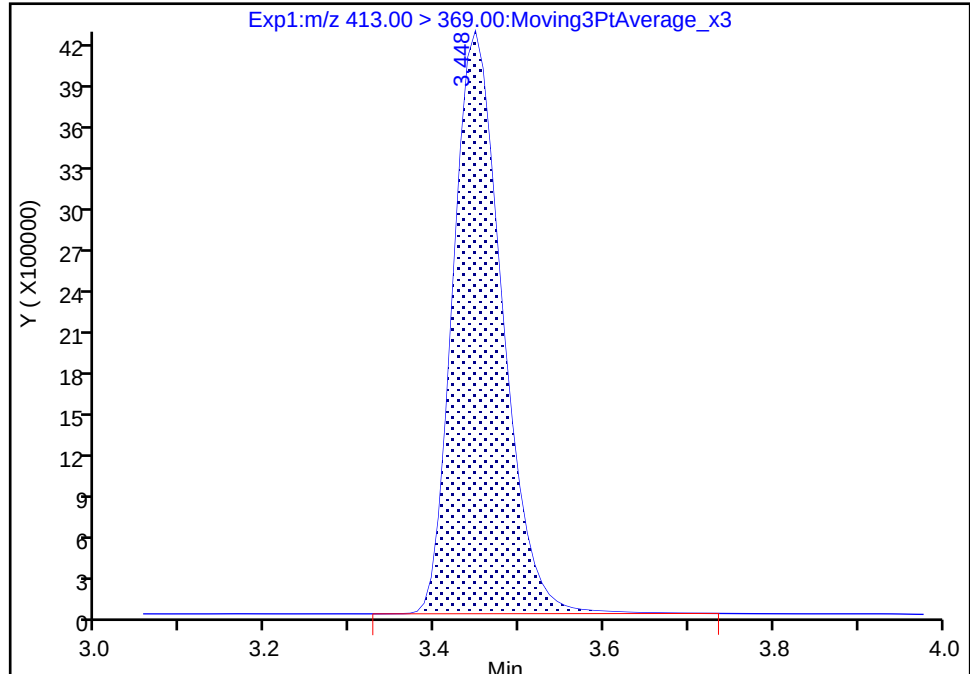
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

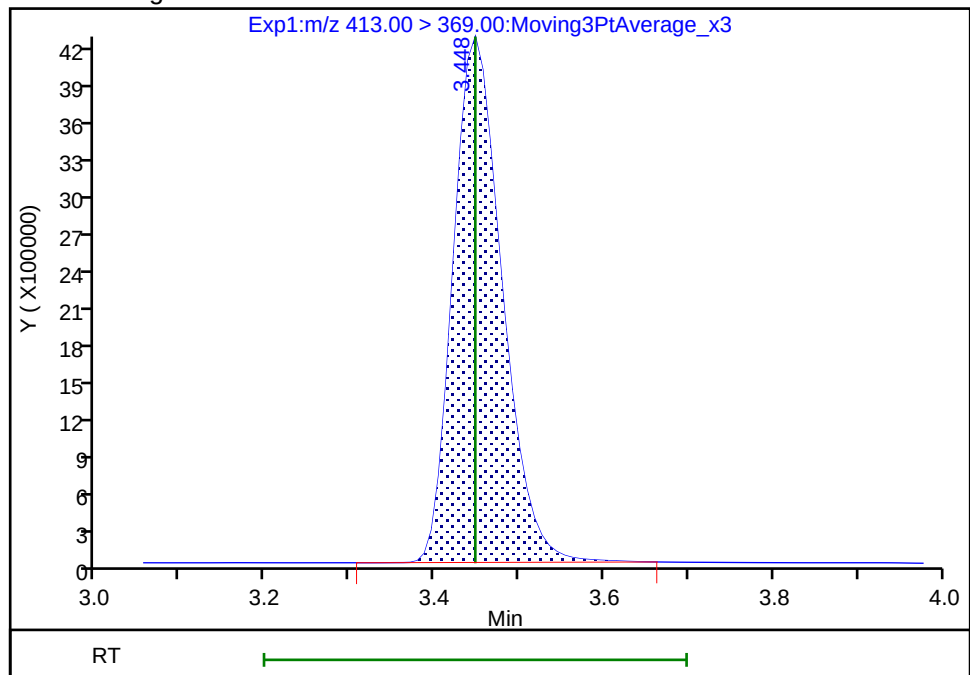
RT: 3.45
Area: 17030570
Amount: 9.031728
Amount Units: ng/ml

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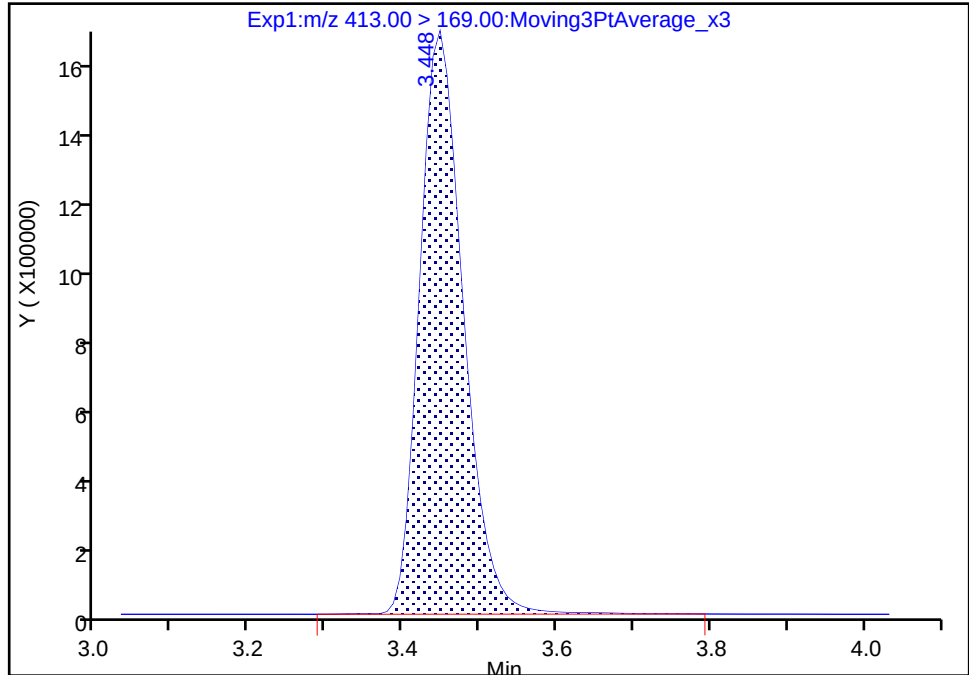
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

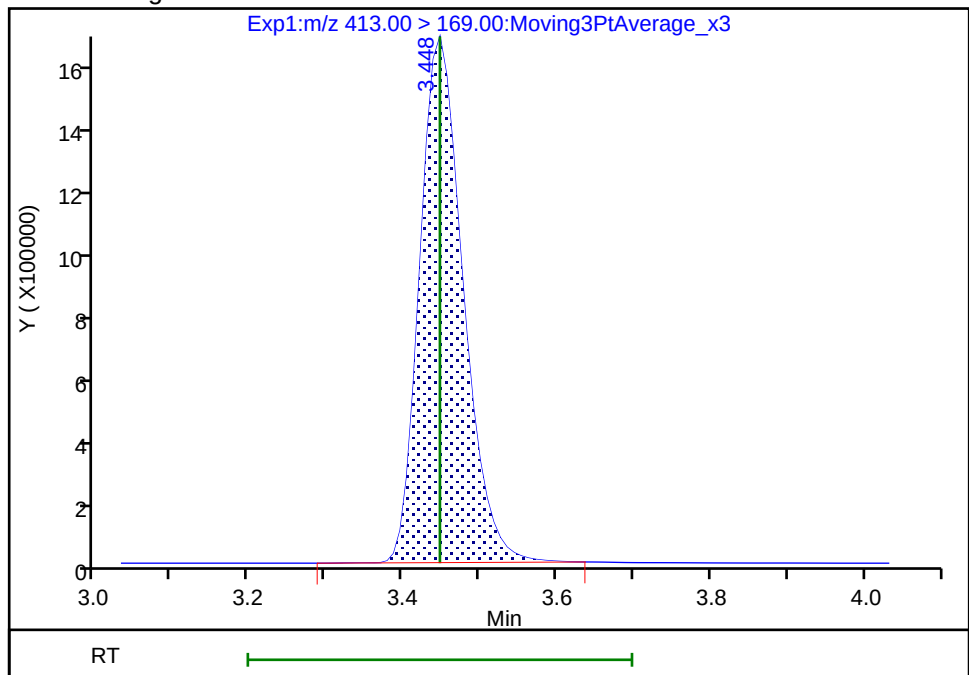
RT: 3.45
Area: 6304212
Amount: 9.031728
Amount Units: ng/ml

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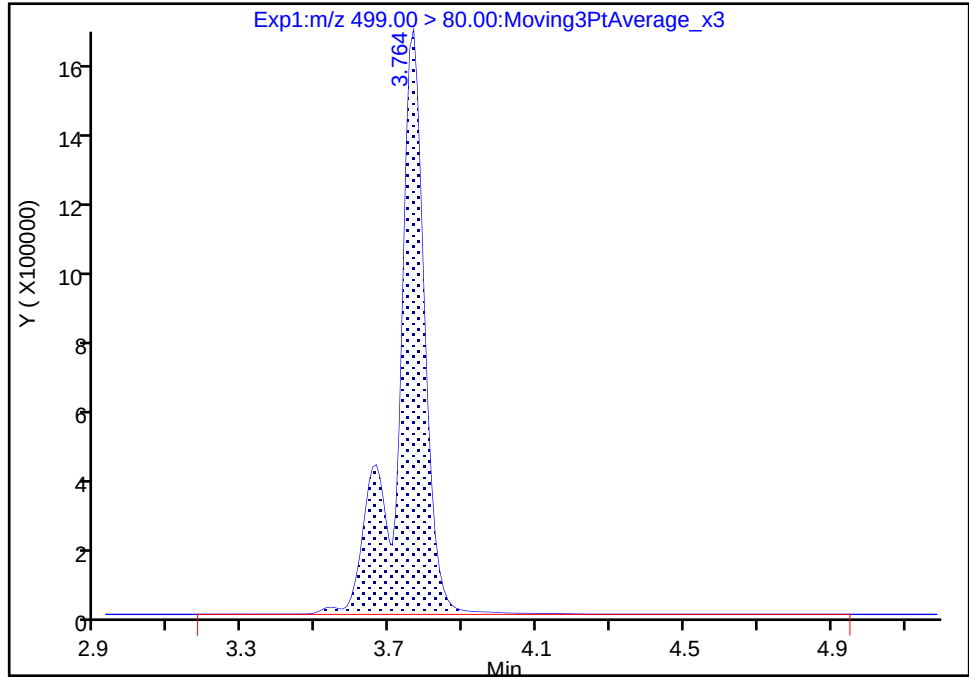
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

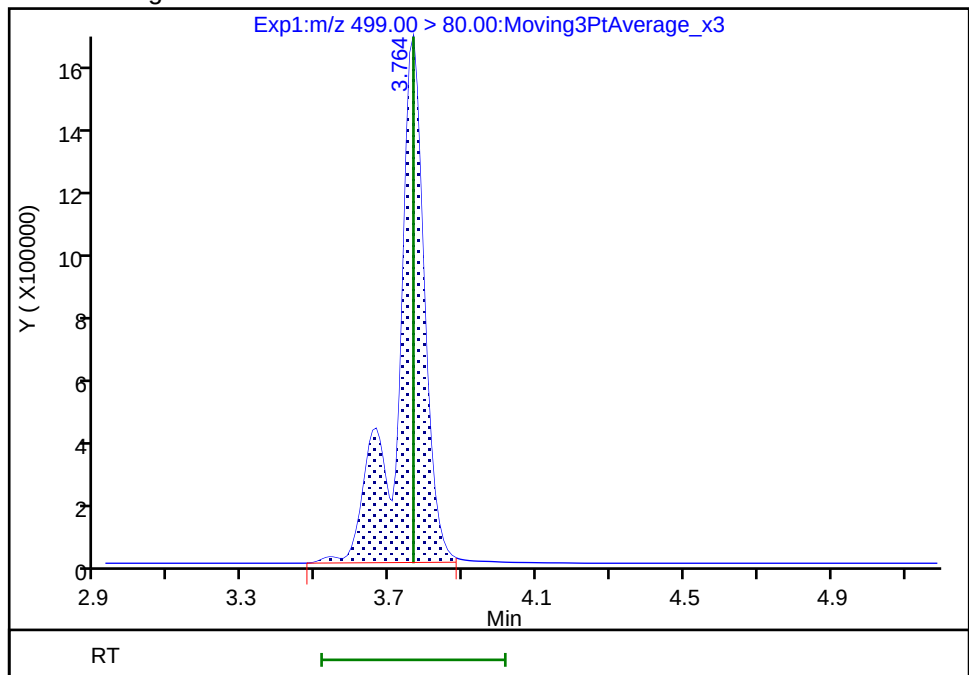
RT: 3.76
Area: 8658897
Amount: 8.543354
Amount Units: ng/ml

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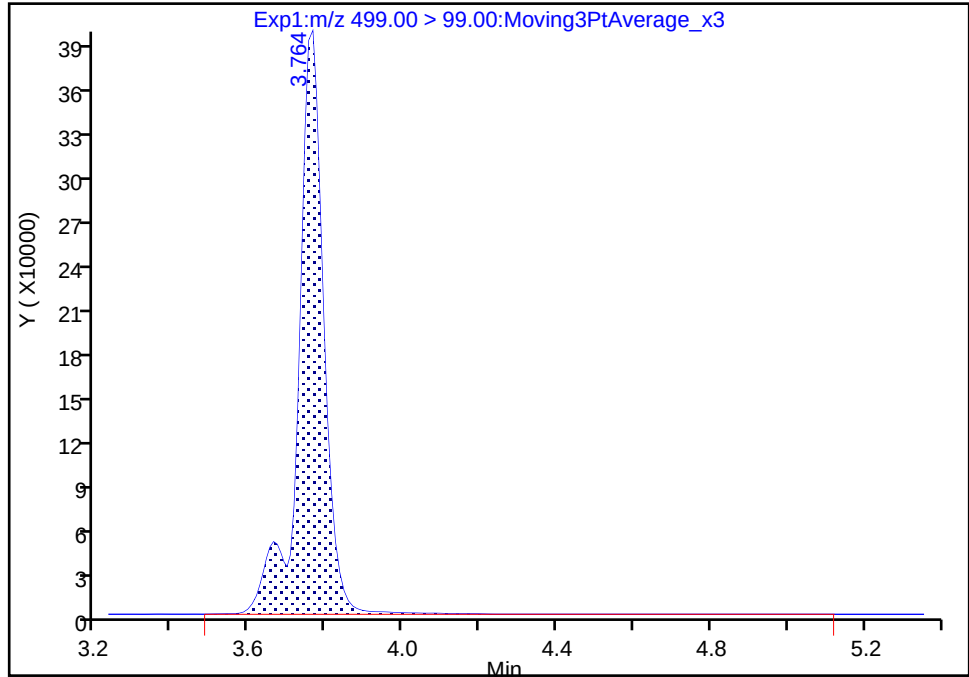
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

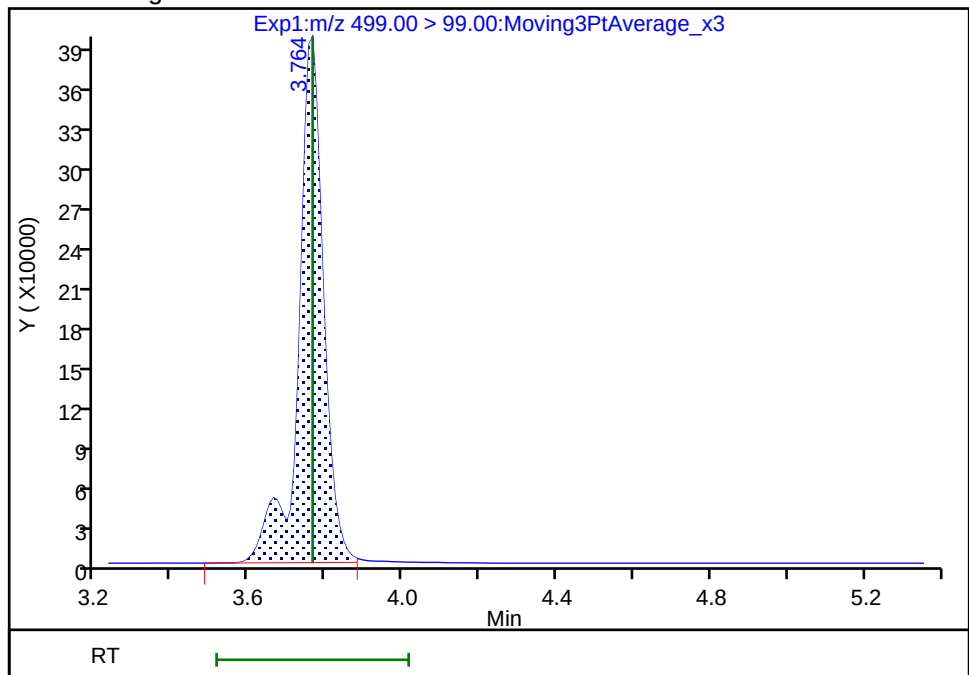
RT: 3.76
Area: 1795864
Amount: 8.543354
Amount Units: ng/ml

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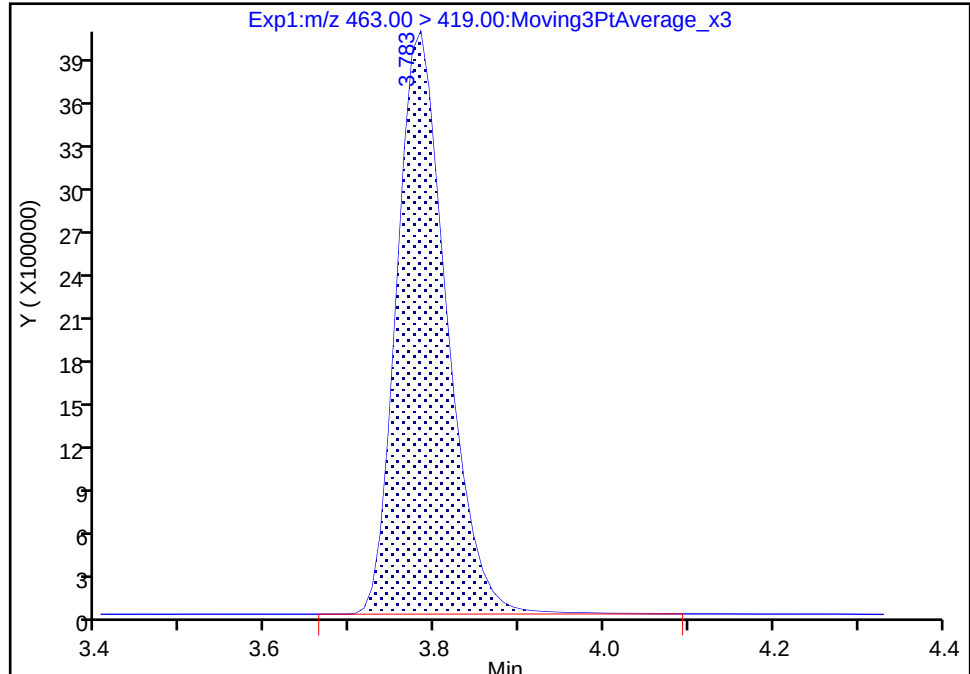
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

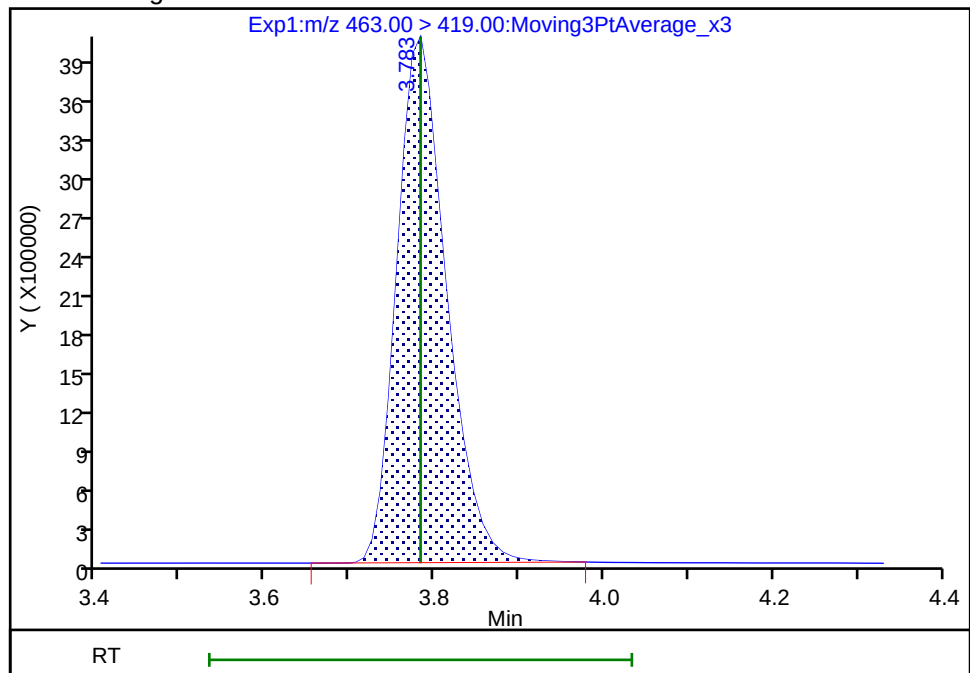
RT: 3.78
Area: 16420625
Amount: 9.401886
Amount Units: ng/ml

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
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Eurofins Burlington

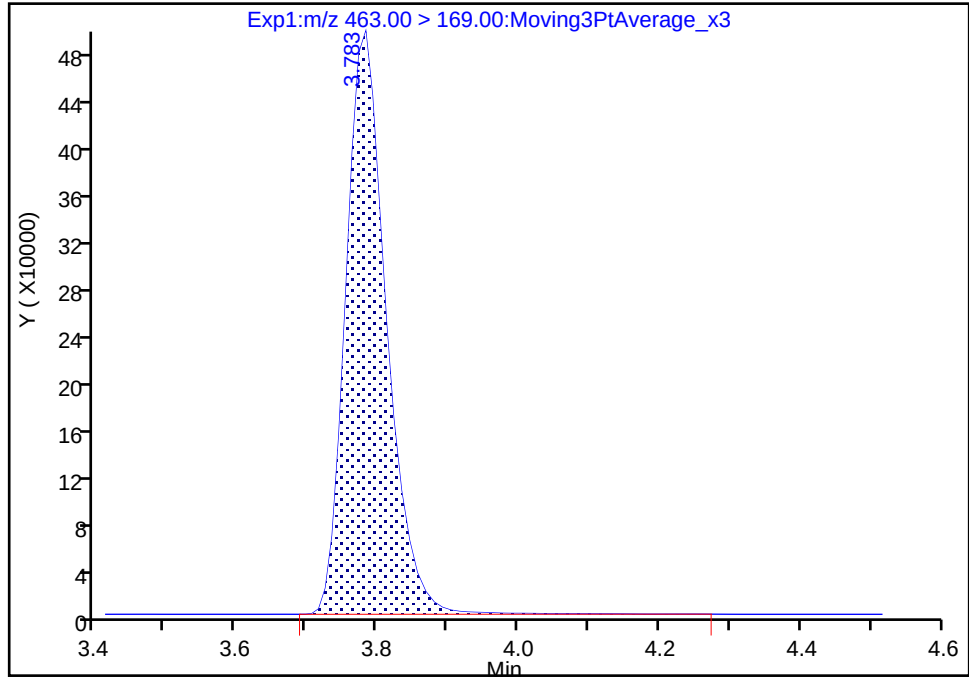
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

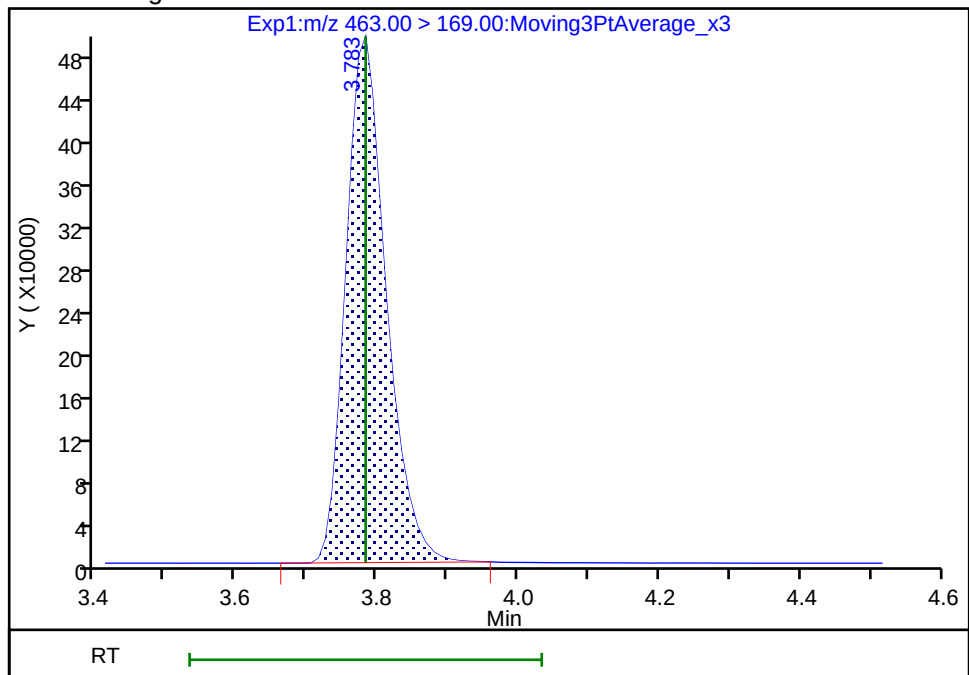
RT: 3.78
Area: 1954132
Amount: 9.401886
Amount Units: ng/ml

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
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Eurofins Burlington

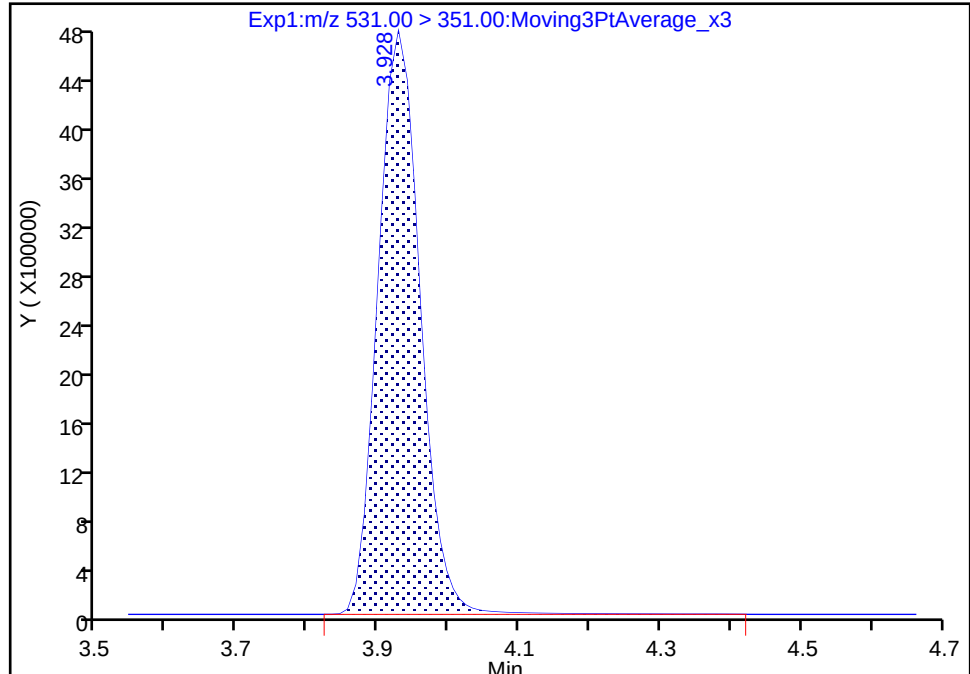
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

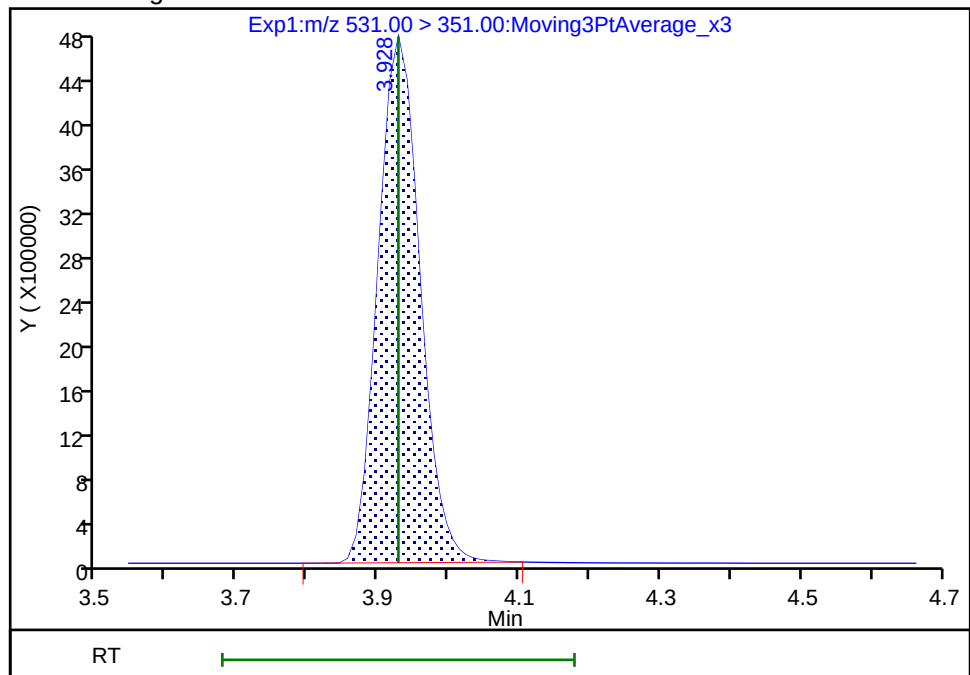
RT: 3.93
Area: 19643577
Amount: 8.453015
Amount Units: ng/ml

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

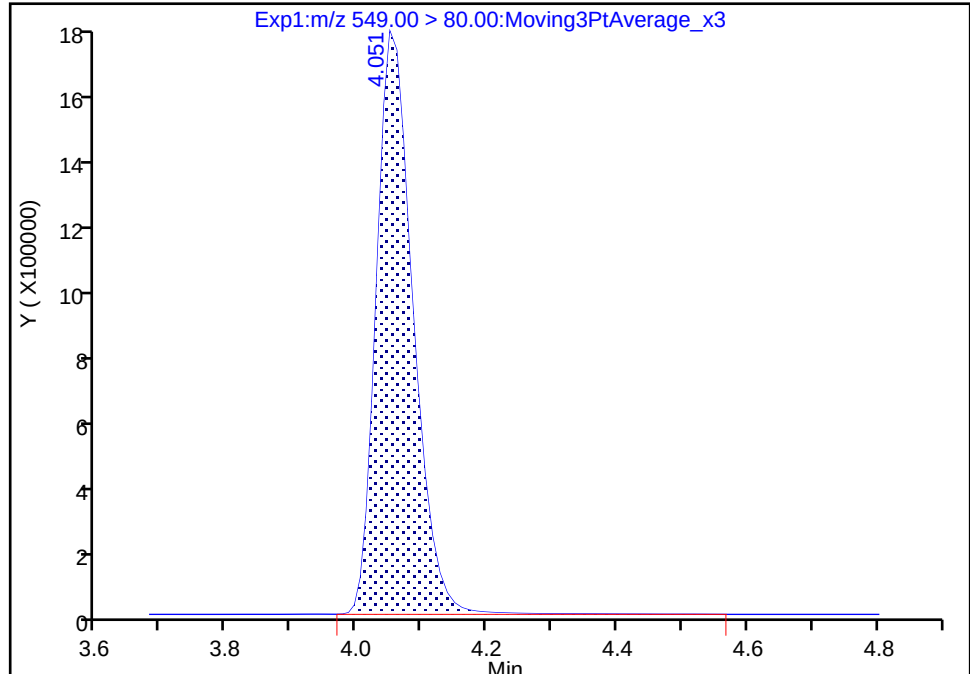
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 1

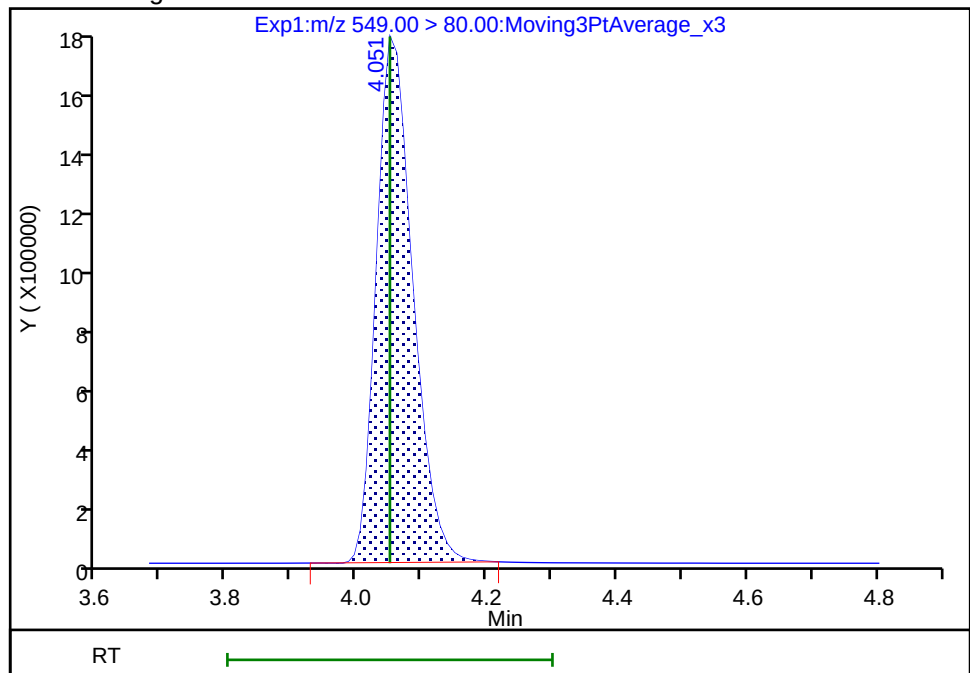
RT: 4.05
Area: 6901061
Amount: 9.026930
Amount Units: ng/ml

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

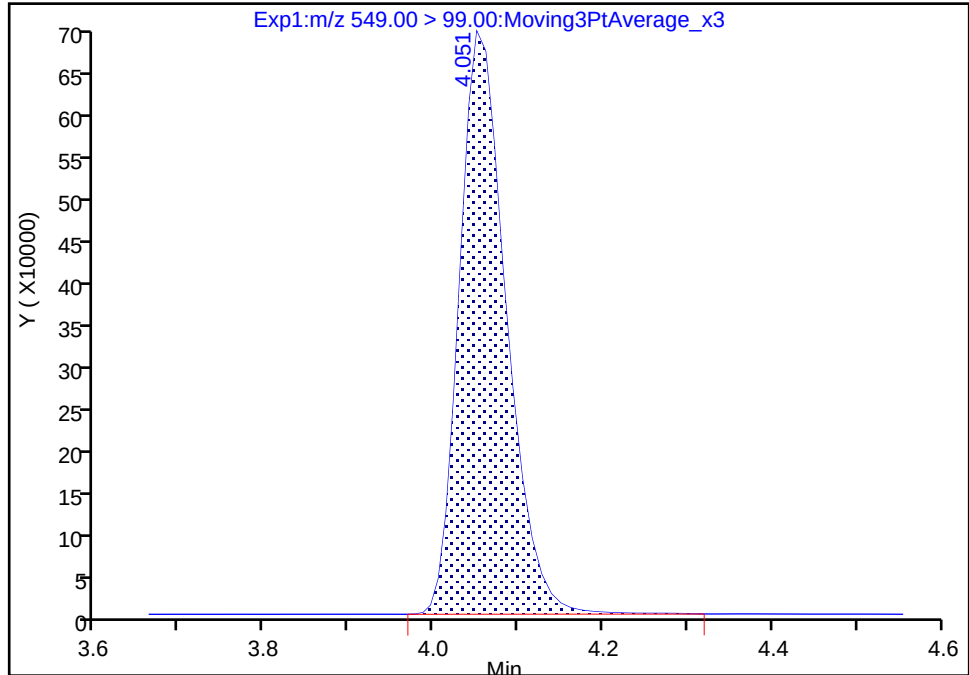
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 2

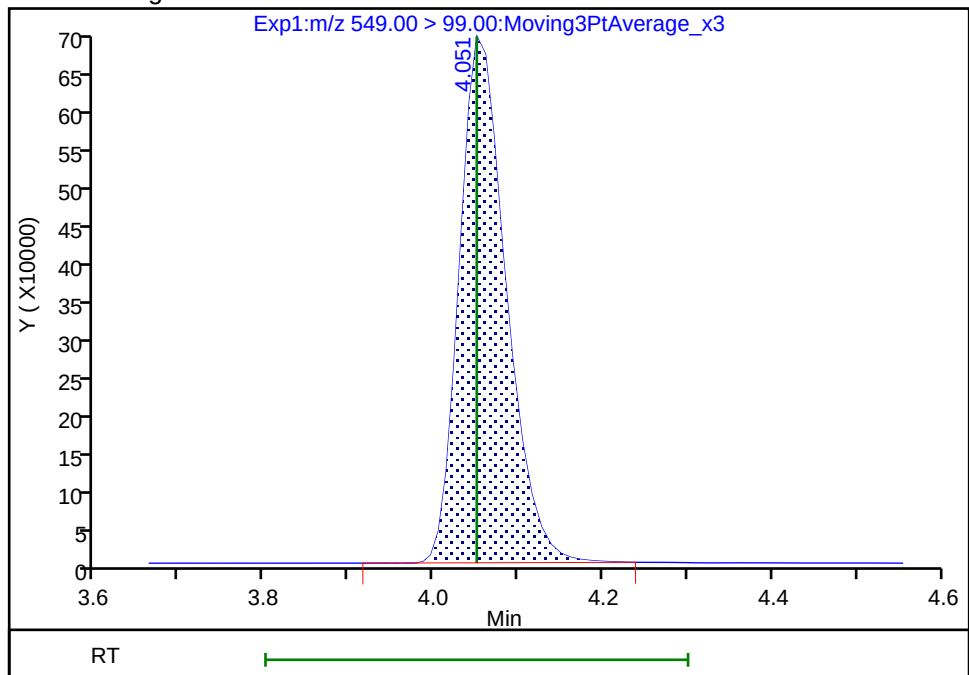
RT: 4.05
Area: 2665260
Amount: 9.026930
Amount Units: ng/ml

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
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Eurofins Burlington

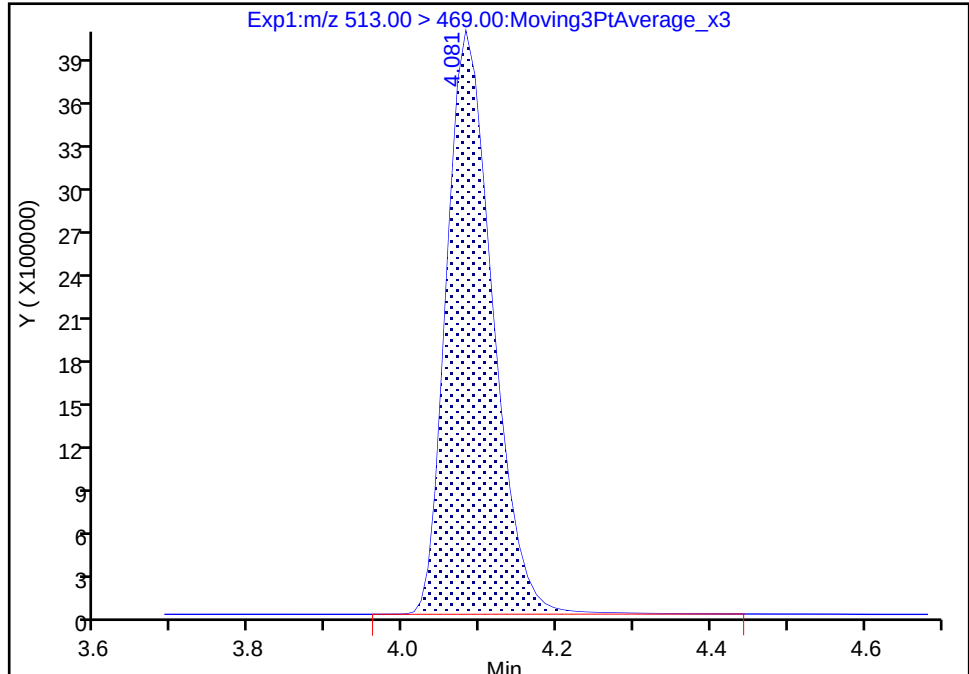
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

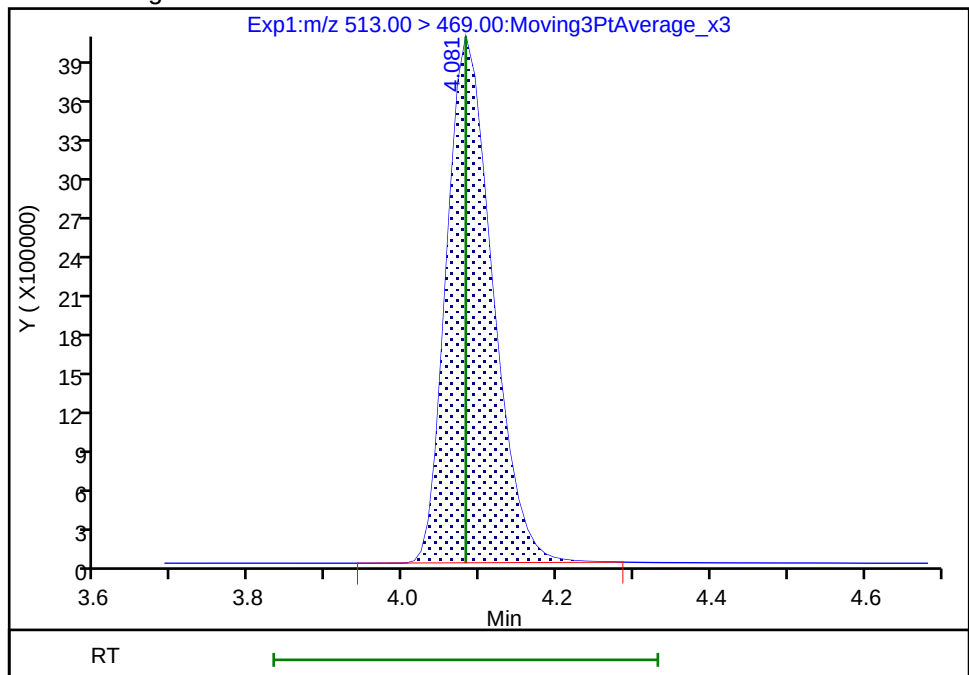
RT: 4.08
Area: 16777487
Amount: 8.666535
Amount Units: ng/ml

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
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Eurofins Burlington

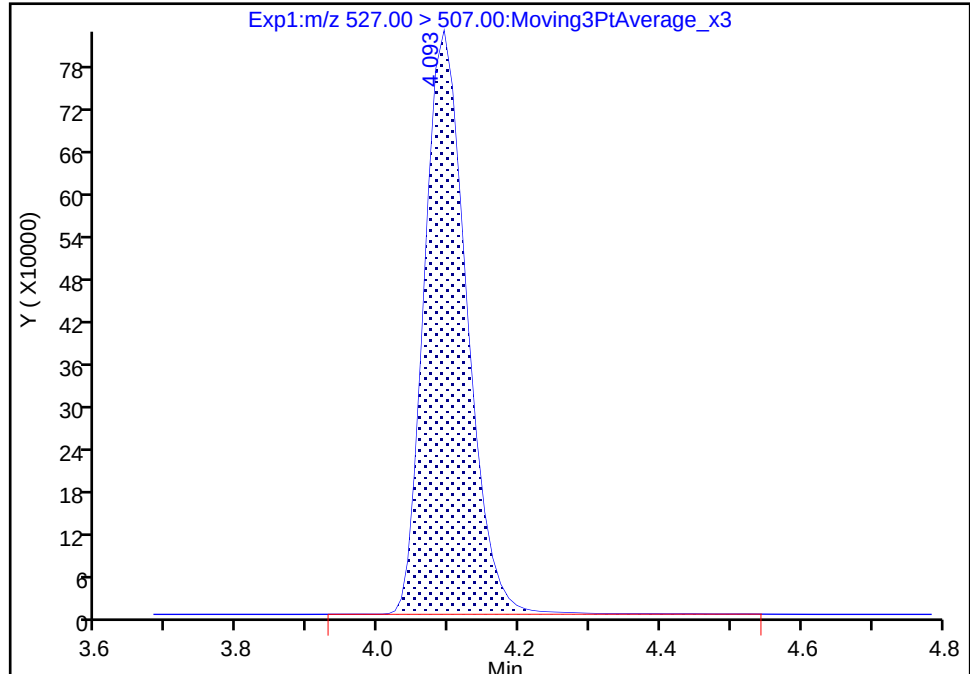
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

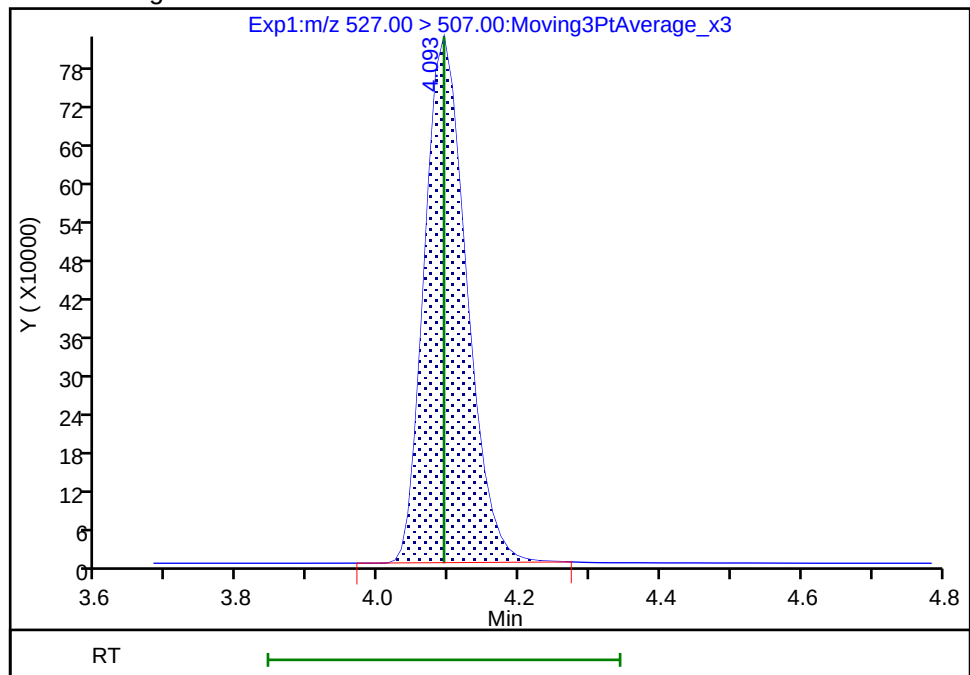
RT: 4.09
Area: 3456510
Amount: 9.221521
Amount Units: ng/ml

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
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Eurofins Burlington

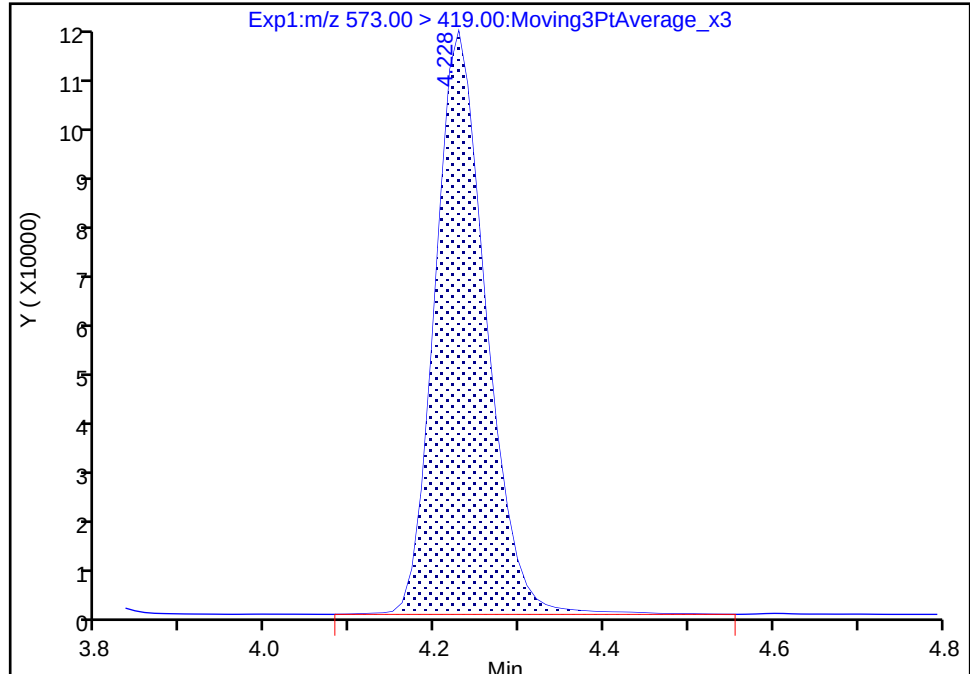
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

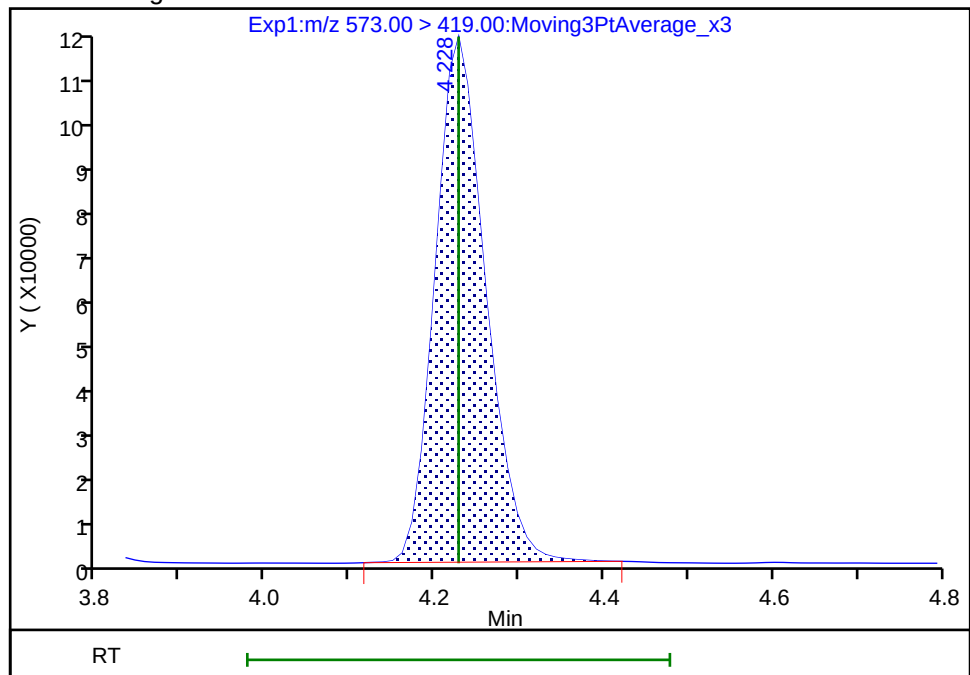
RT: 4.23
Area: 484787
Amount: 1.385223
Amount Units: ng/ml

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

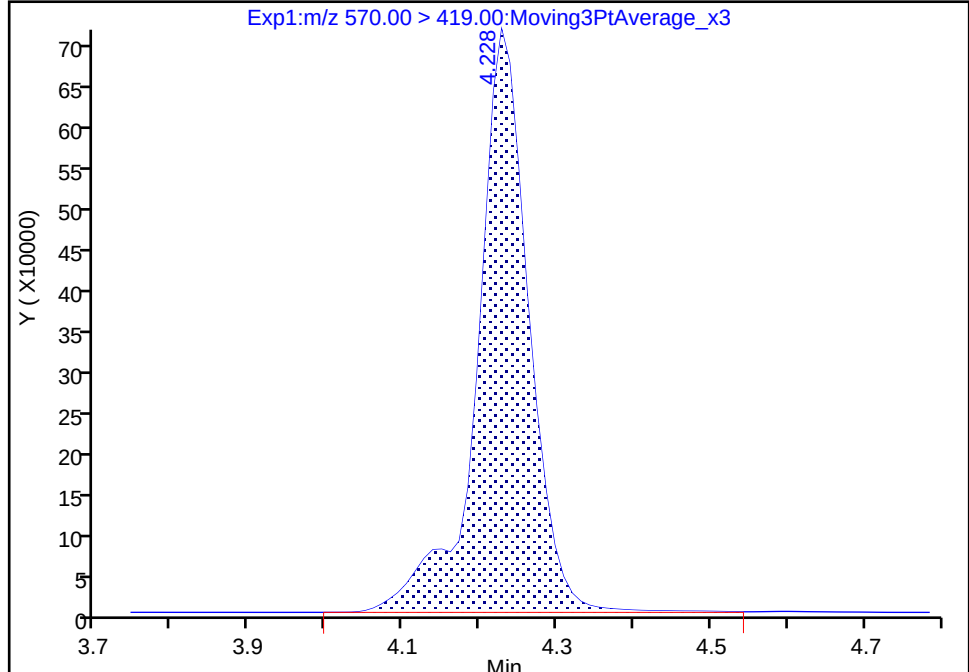
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

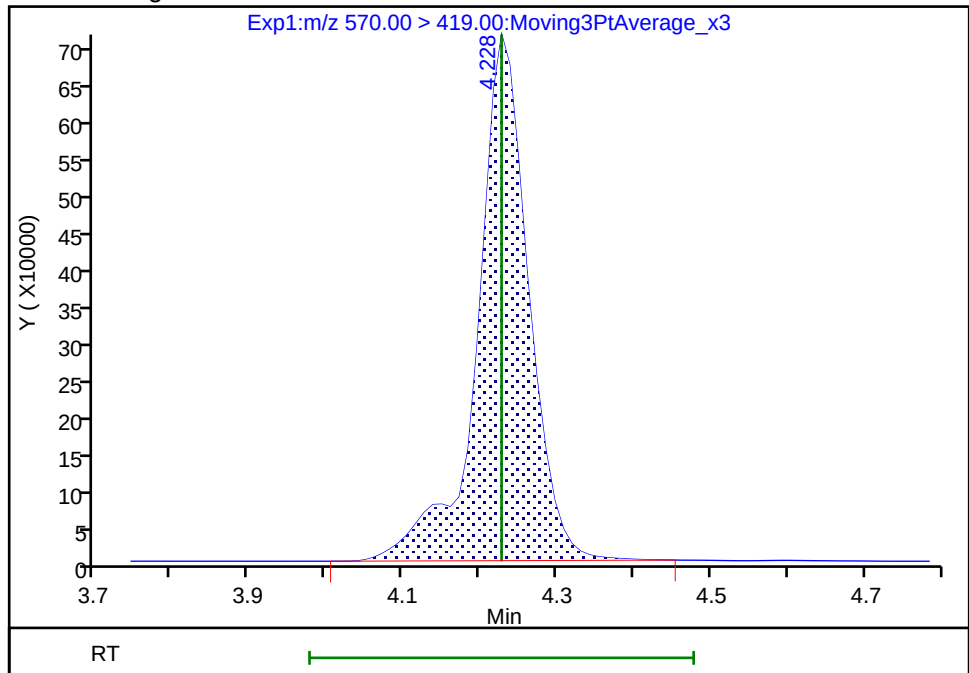
RT: 4.23
Area: 3324827
Amount: 9.466992
Amount Units: ng/ml

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

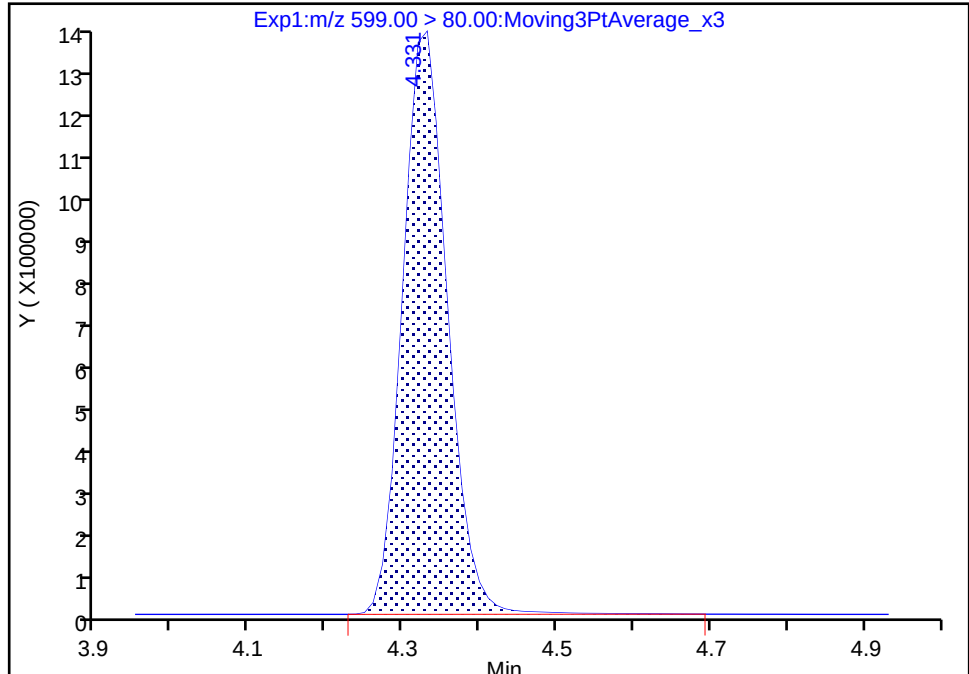
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

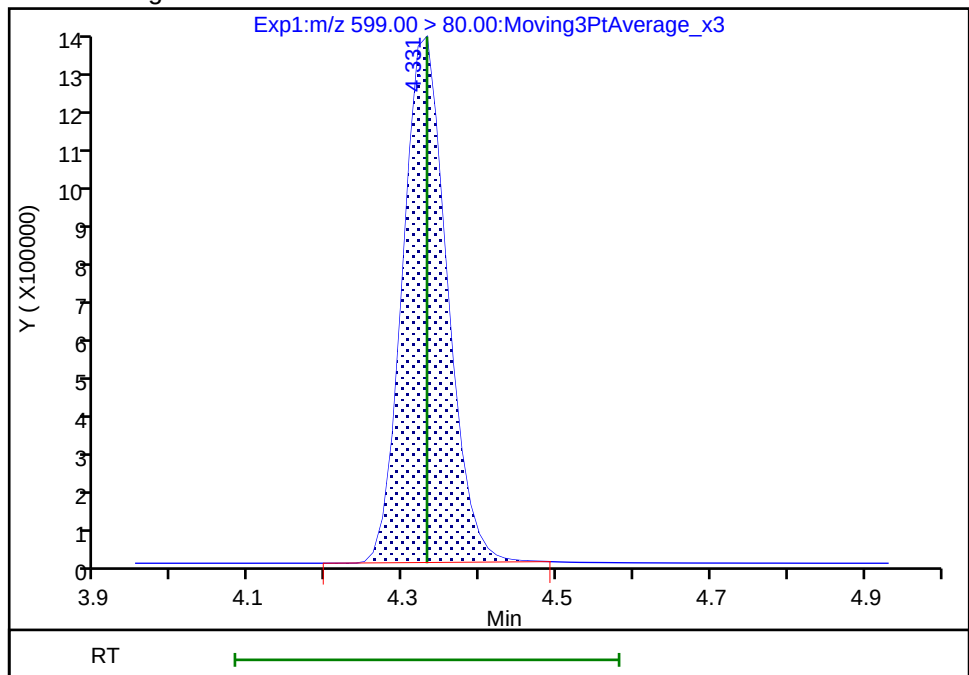
RT: 4.33
Area: 5598329
Amount: 9.275714
Amount Units: ng/ml

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
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Eurofins Burlington

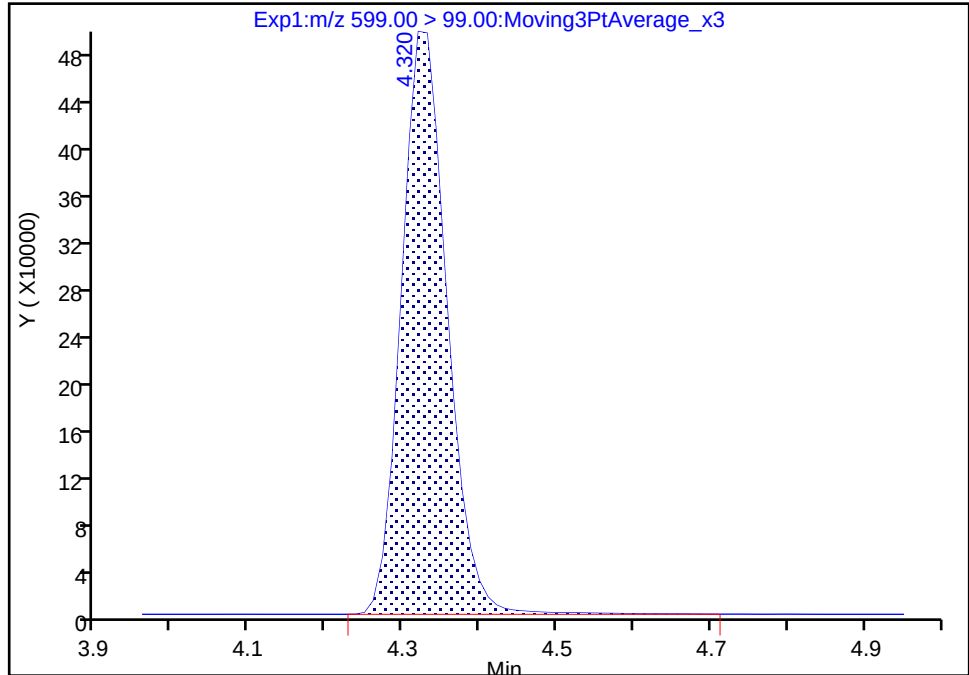
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

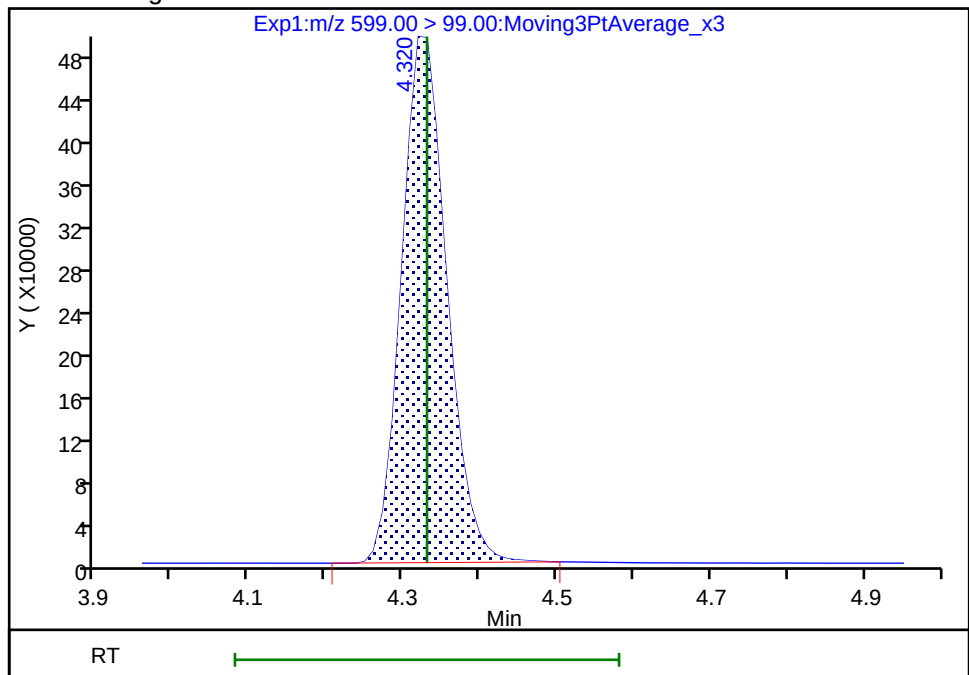
RT: 4.32
Area: 2054689
Amount: 9.275714
Amount Units: ng/ml

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
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Eurofins Burlington

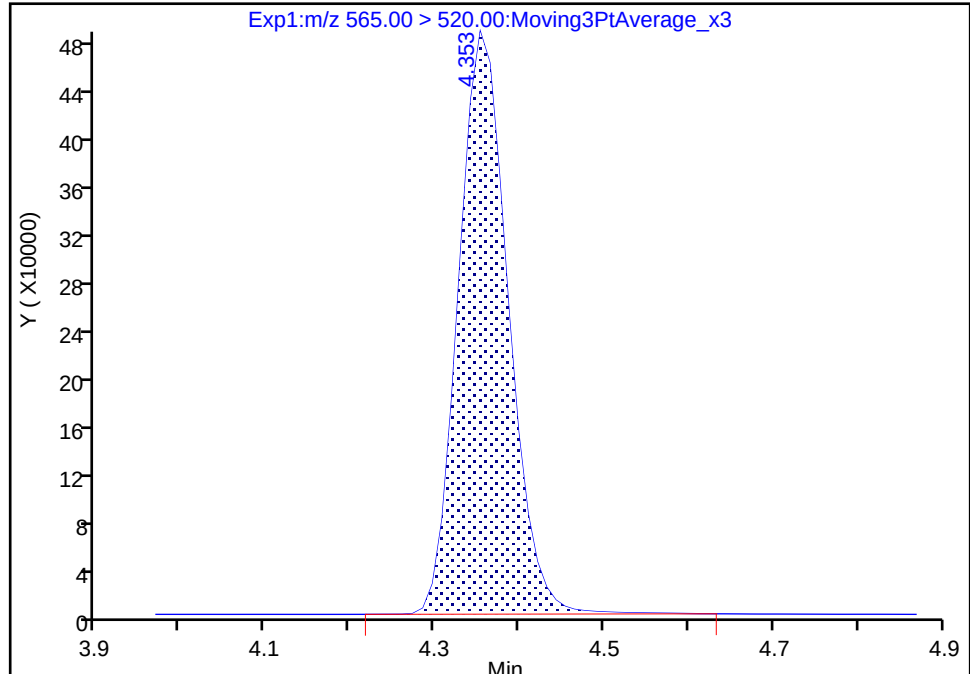
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

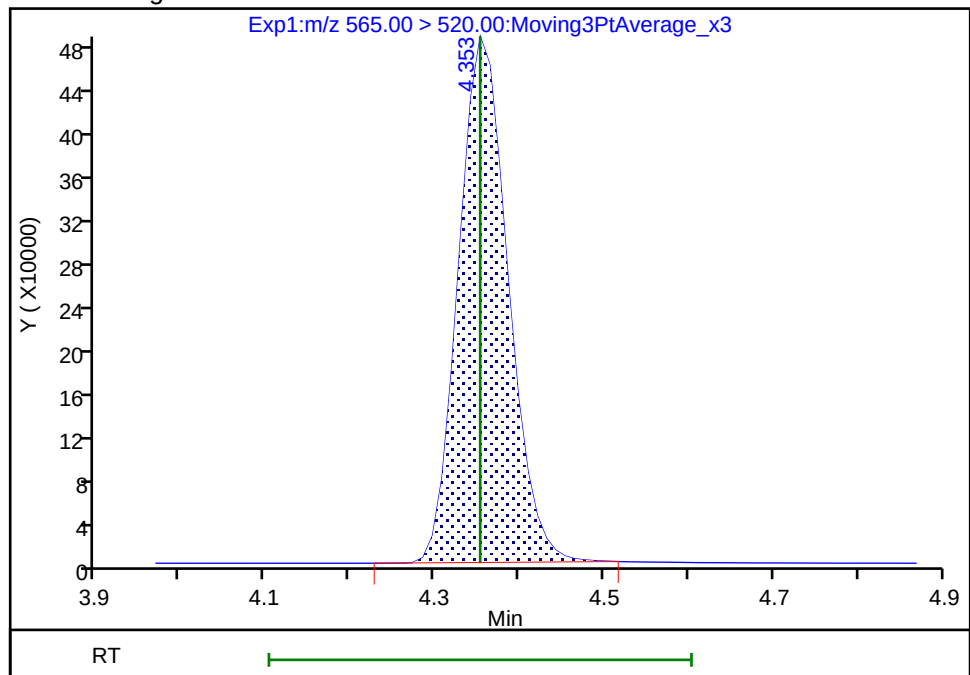
RT: 4.35
Area: 1981457
Amount: 1.260398
Amount Units: ng/ml

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

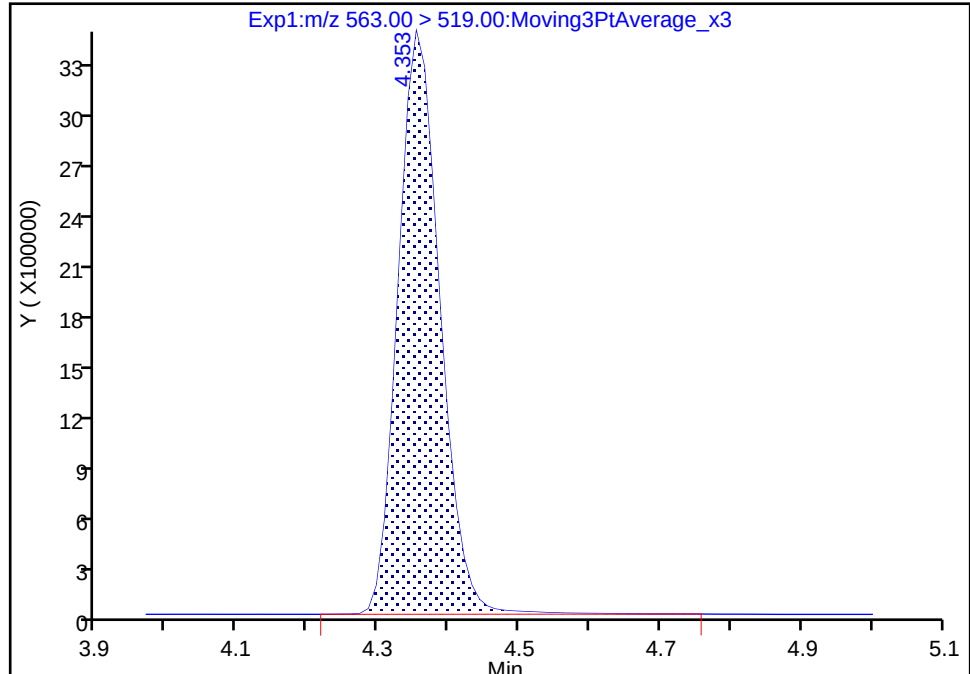
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

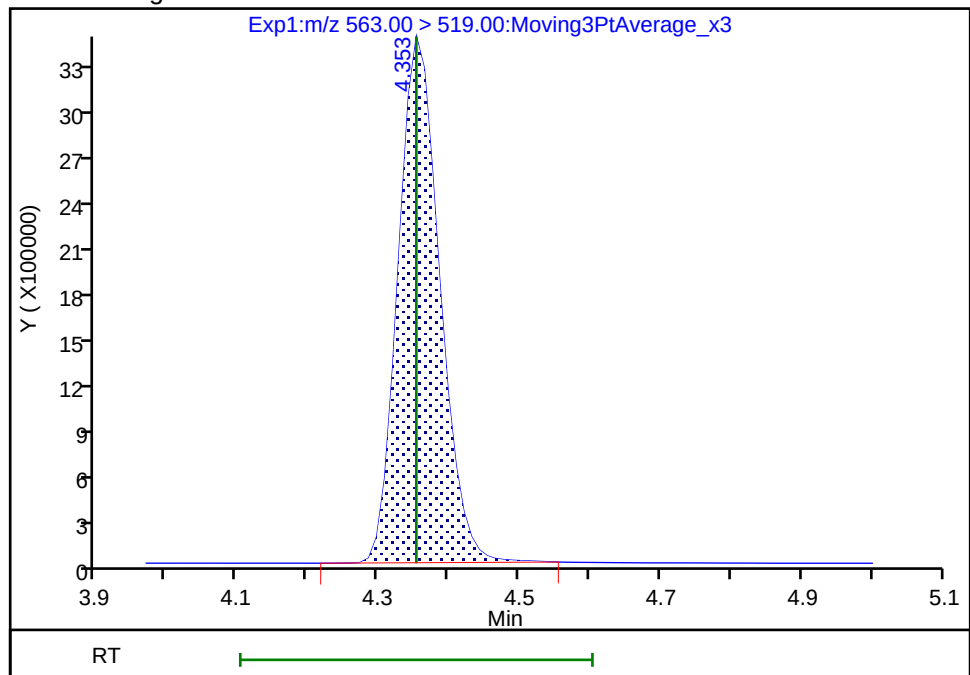
RT: 4.35
Area: 14261306
Amount: 8.982281
Amount Units: ng/ml

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
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Eurofins Burlington

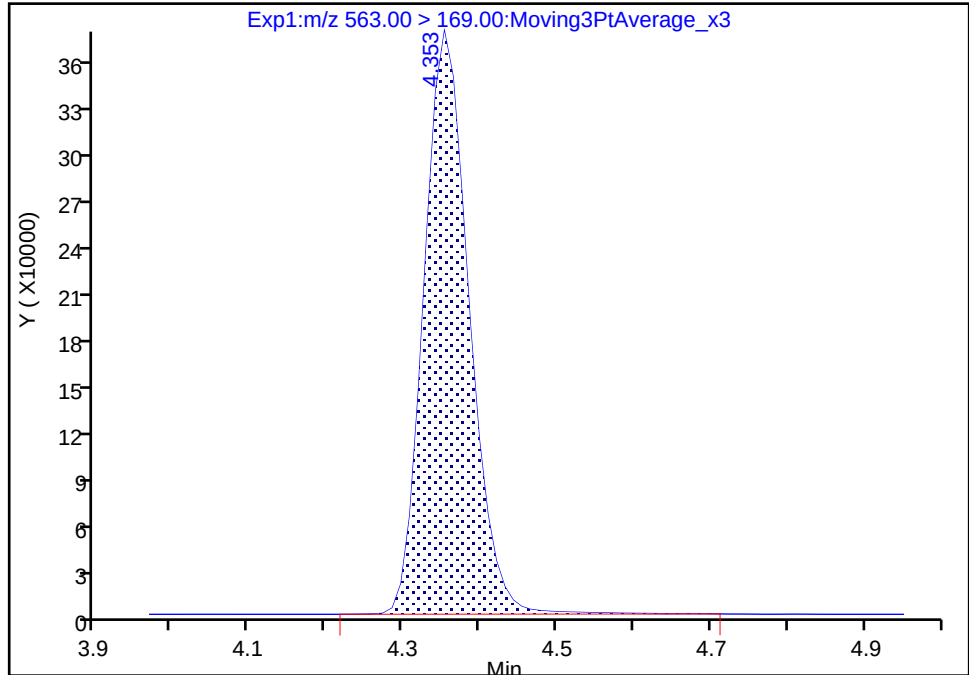
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

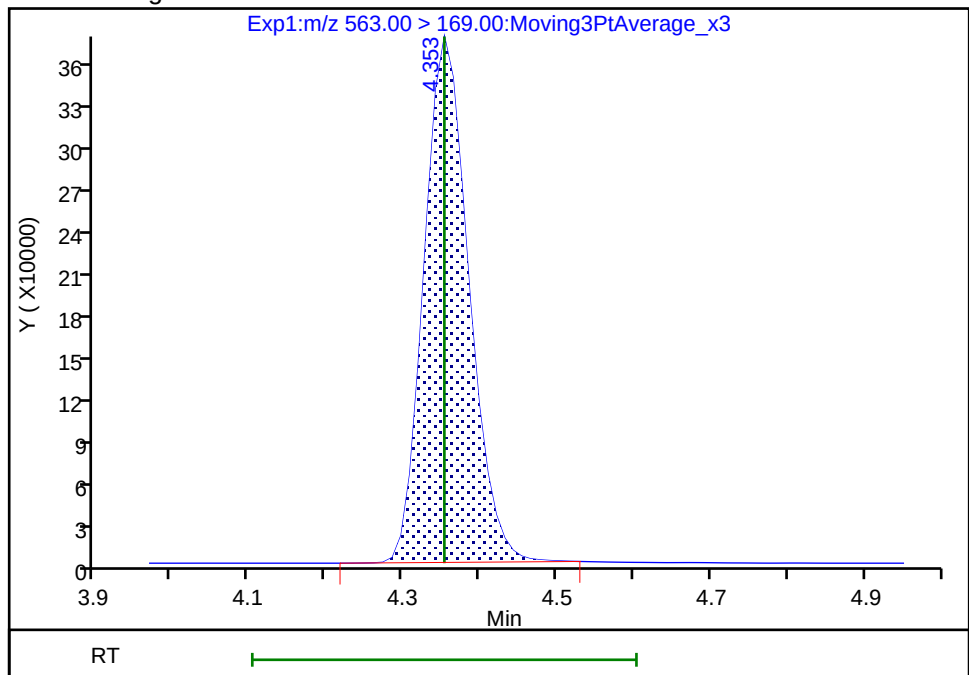
RT: 4.35
Area: 1516832
Amount: 8.982281
Amount Units: ng/ml

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
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Eurofins Burlington

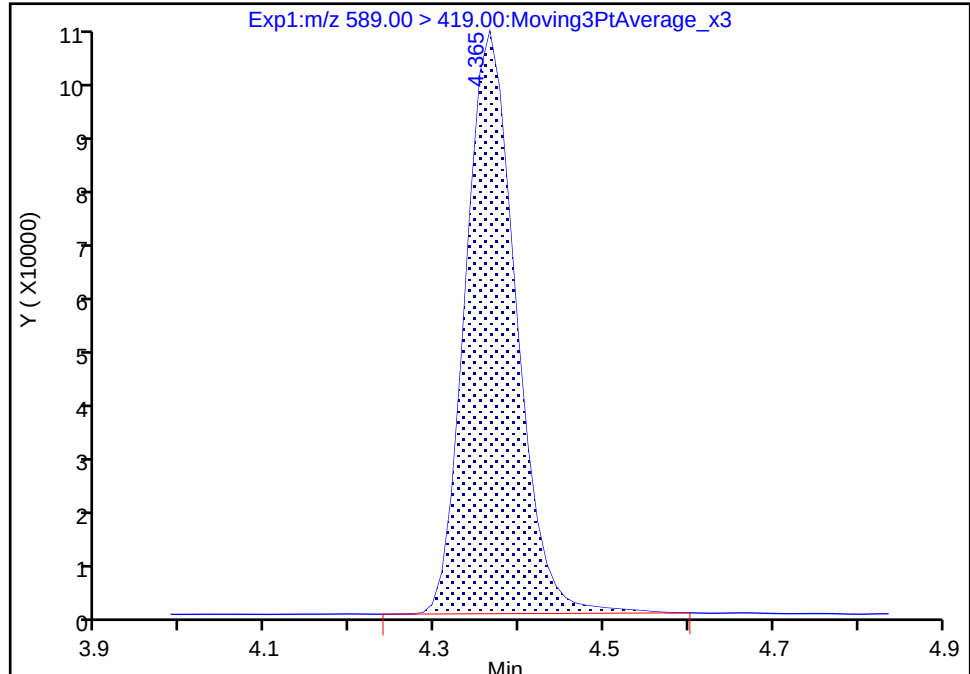
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 32 d5-NEtFOSAA, CAS: STL02117

Signal: 1

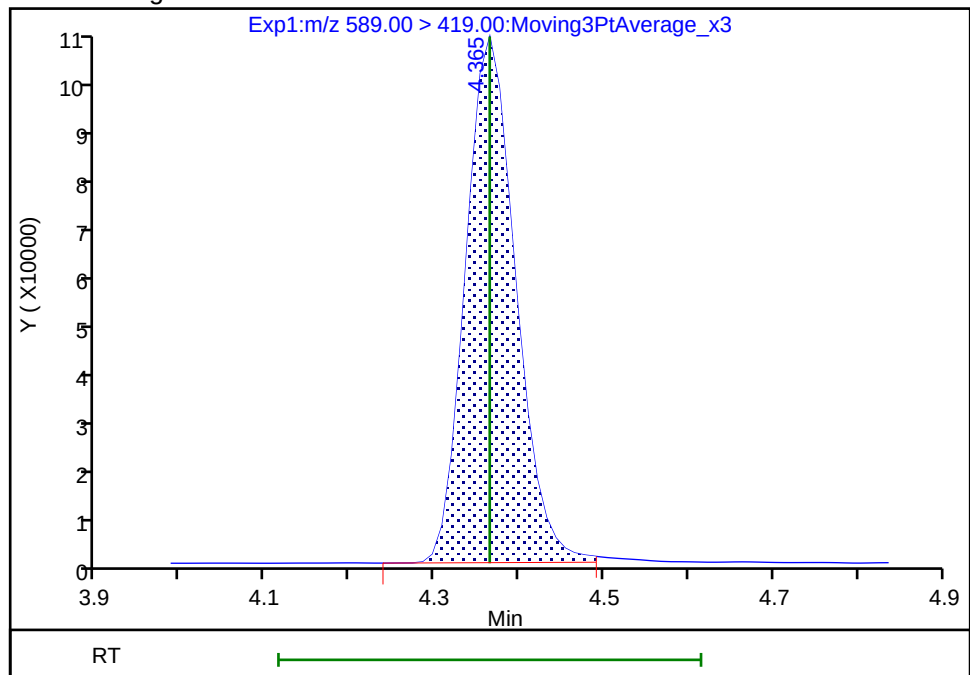
RT: 4.36
Area: 447944
Amount: 1.301468
Amount Units: ng/ml

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
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Eurofins Burlington

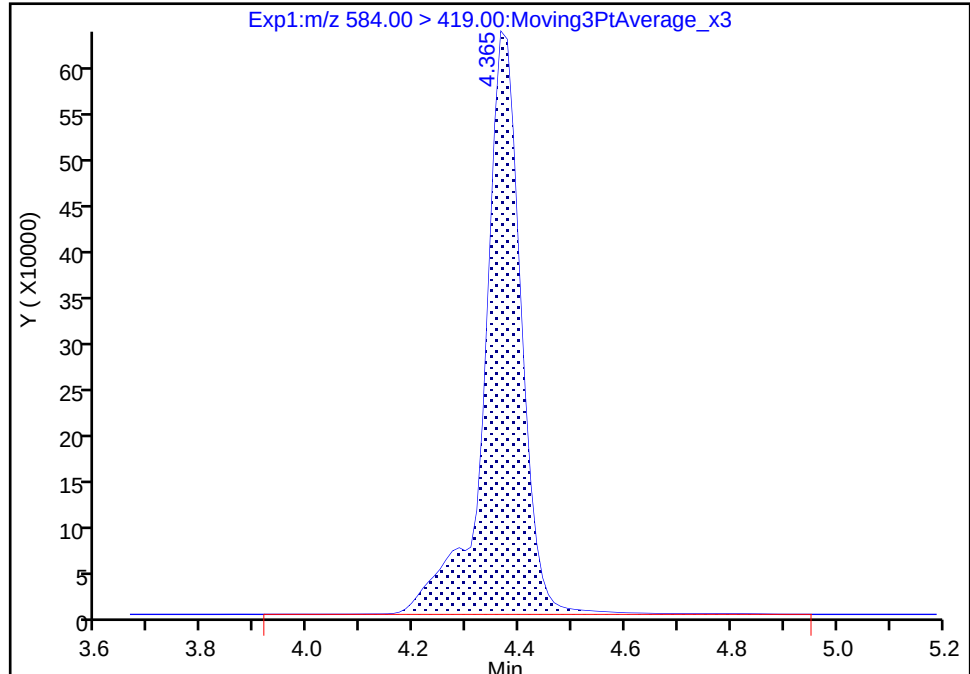
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

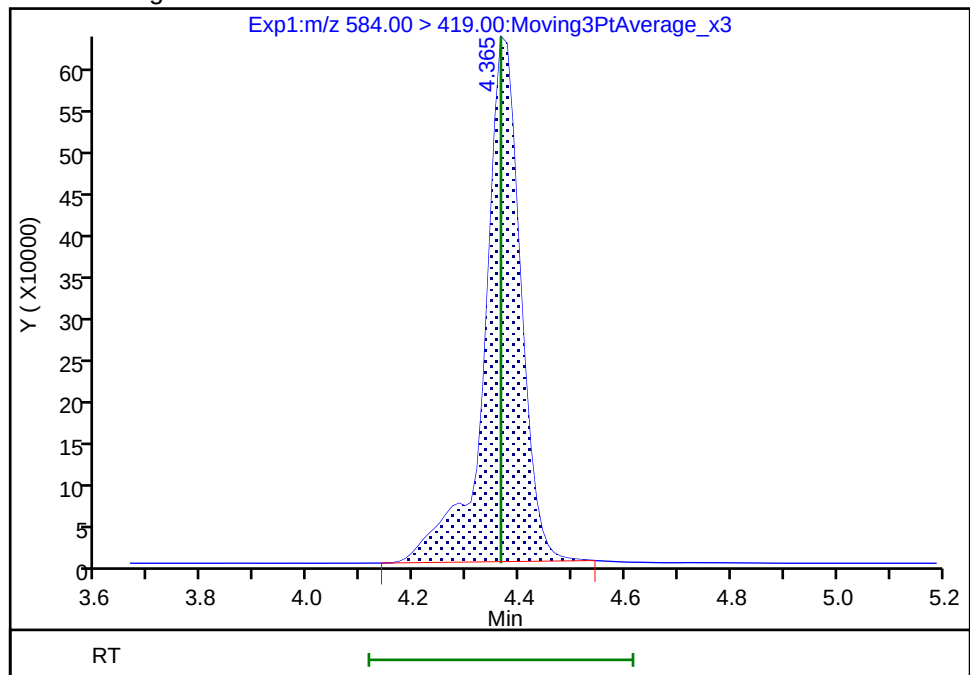
RT: 4.36
Area: 3053897
Amount: 9.498844
Amount Units: ng/ml

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
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Eurofins Burlington

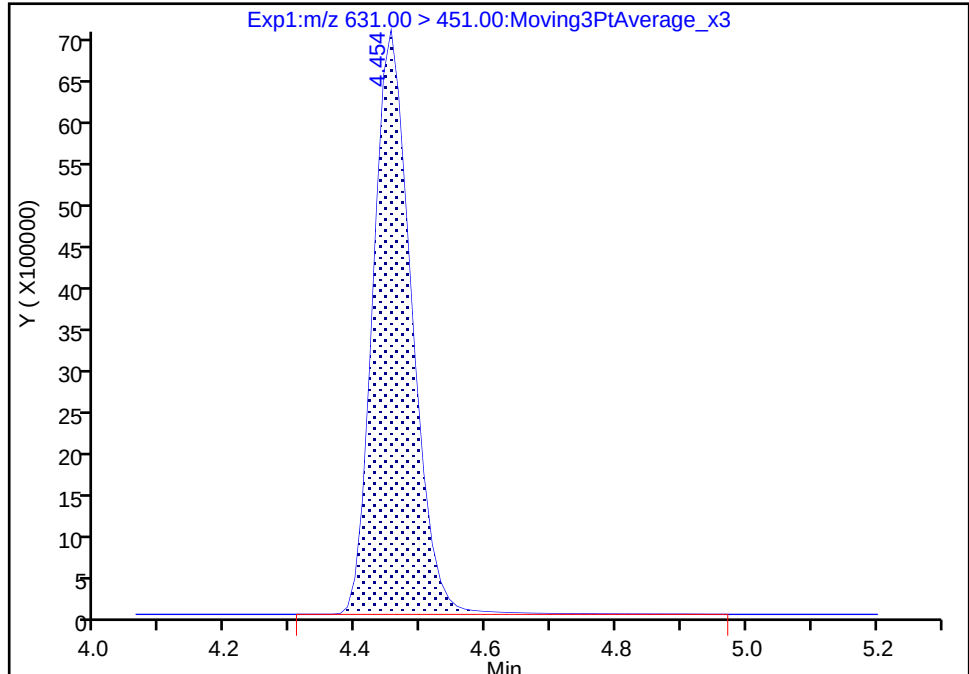
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

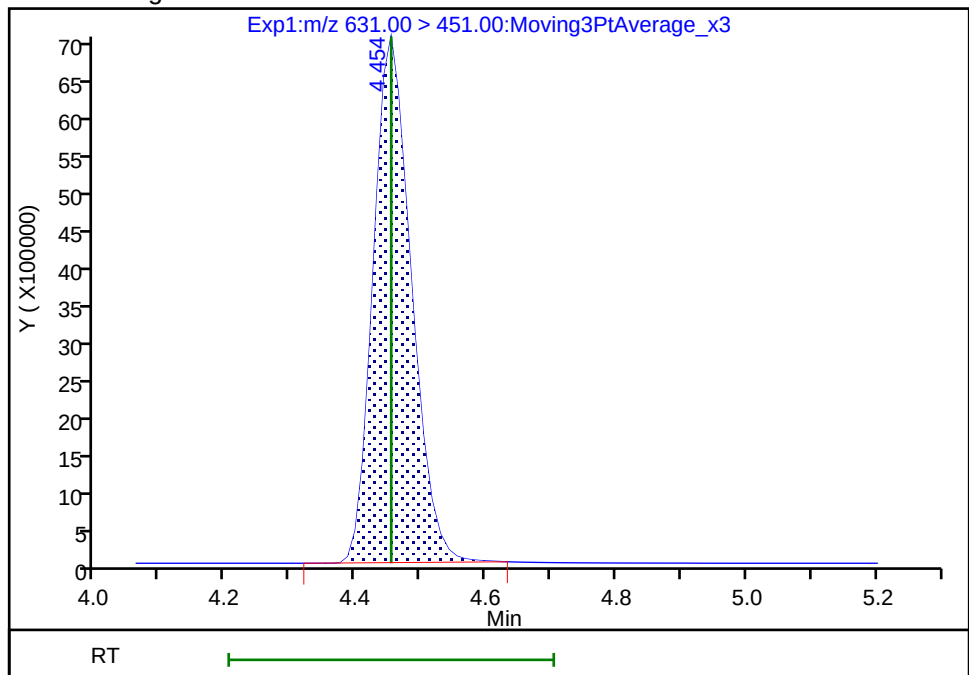
RT: 4.45
Area: 28876632
Amount: 8.059383
Amount Units: ng/ml

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
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Eurofins Burlington

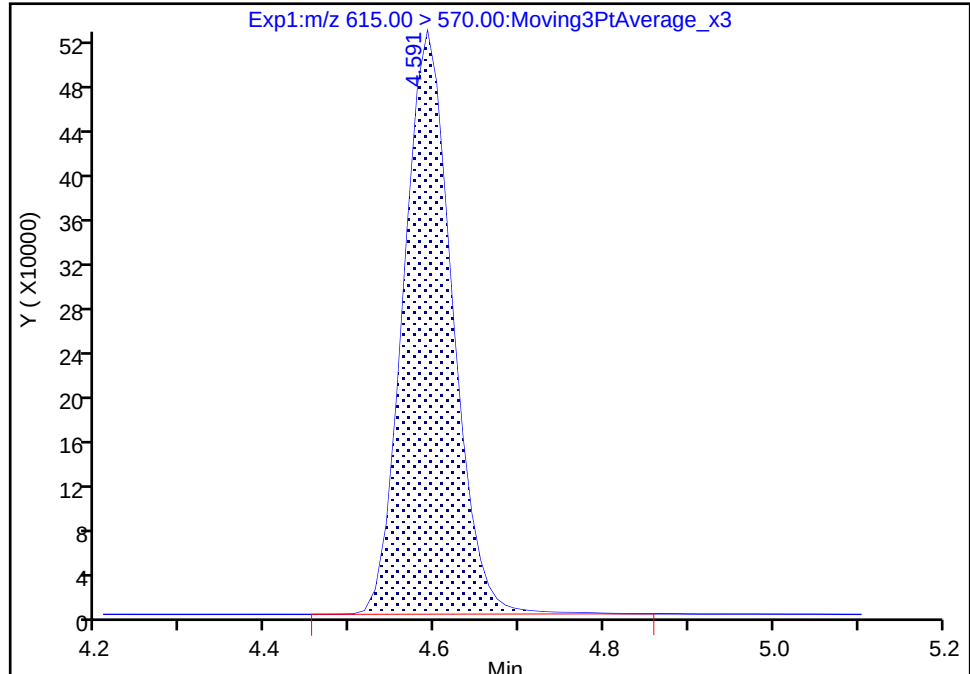
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 36 13C2 PFD_oA, CAS: STL00998

Signal: 1

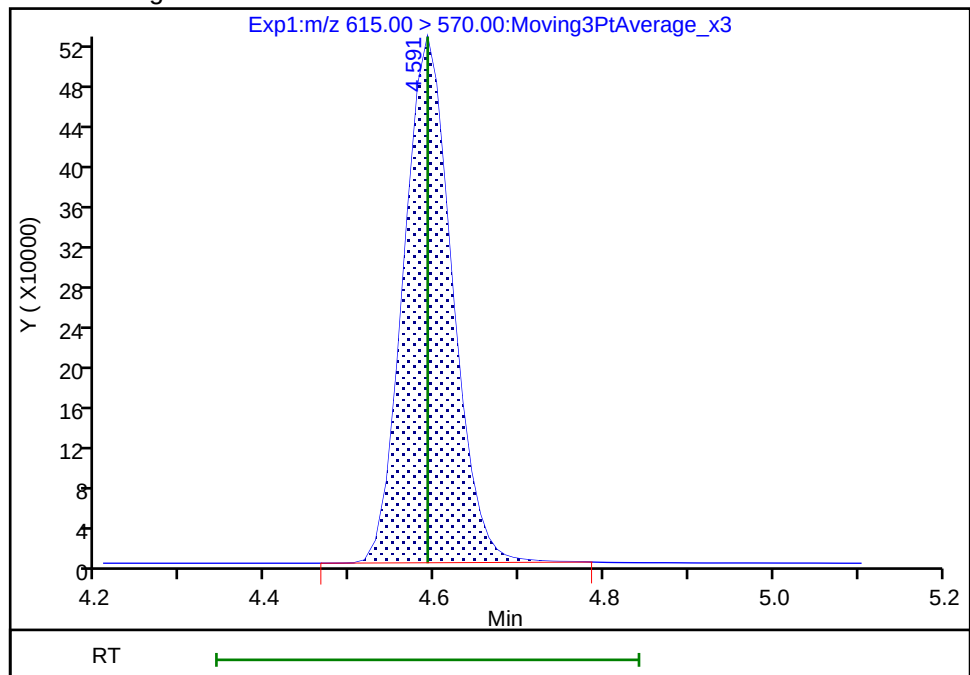
RT: 4.59
Area: 2112236
Amount: 1.319398
Amount Units: ng/ml

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
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Eurofins Burlington

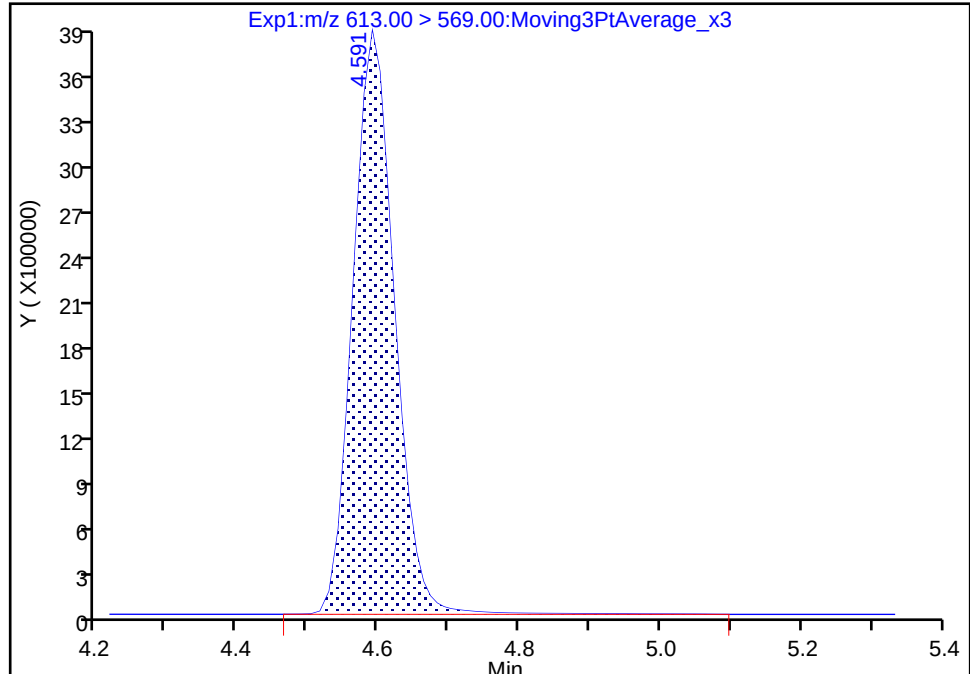
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

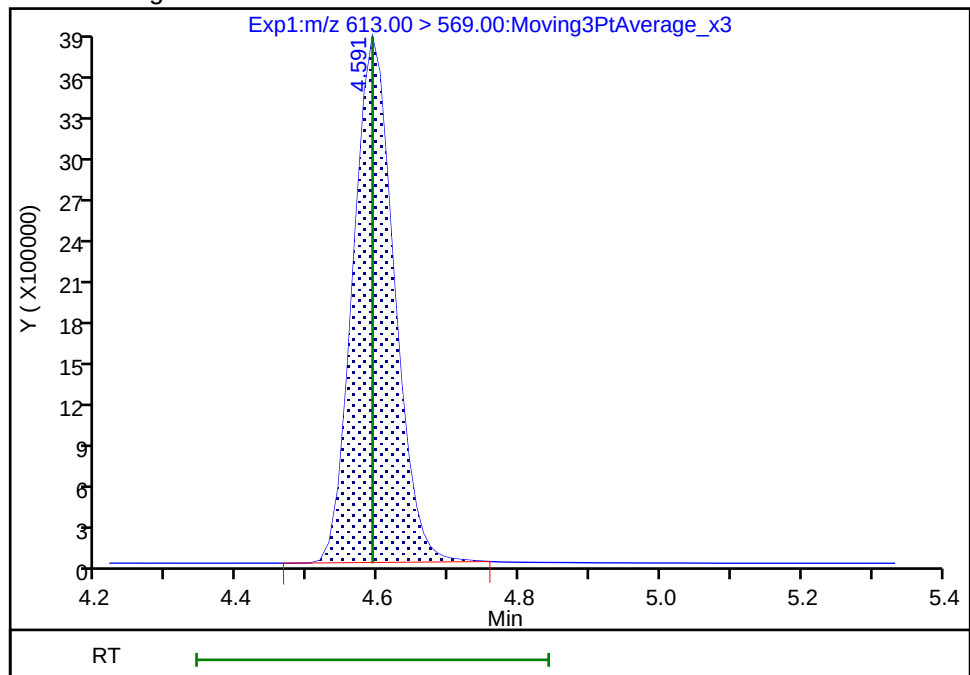
RT: 4.59
Area: 15795102
Amount: 8.813020
Amount Units: ng/ml

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
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Eurofins Burlington

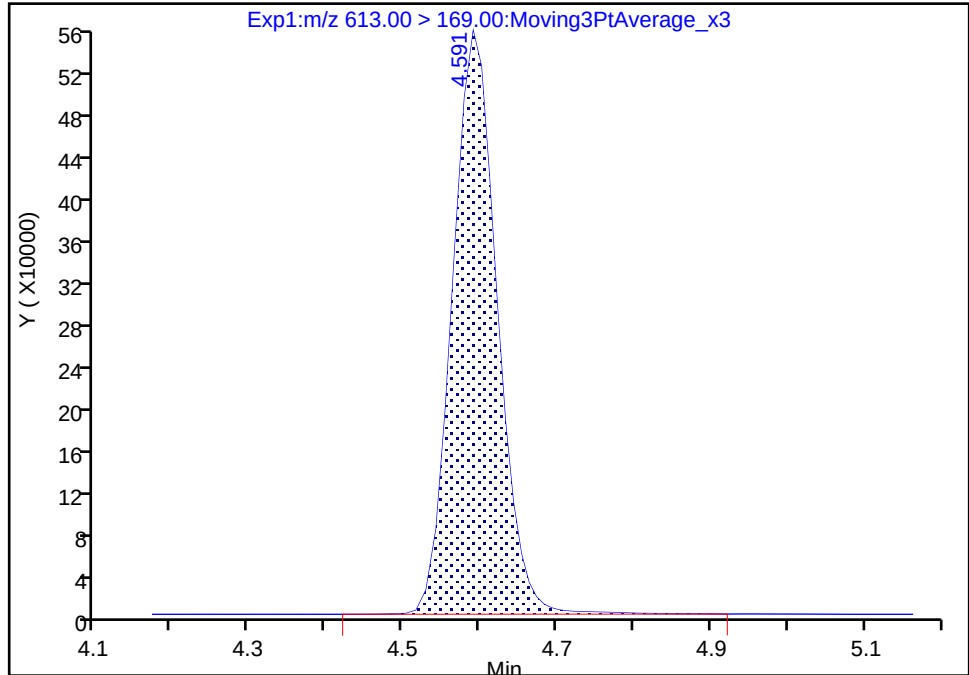
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

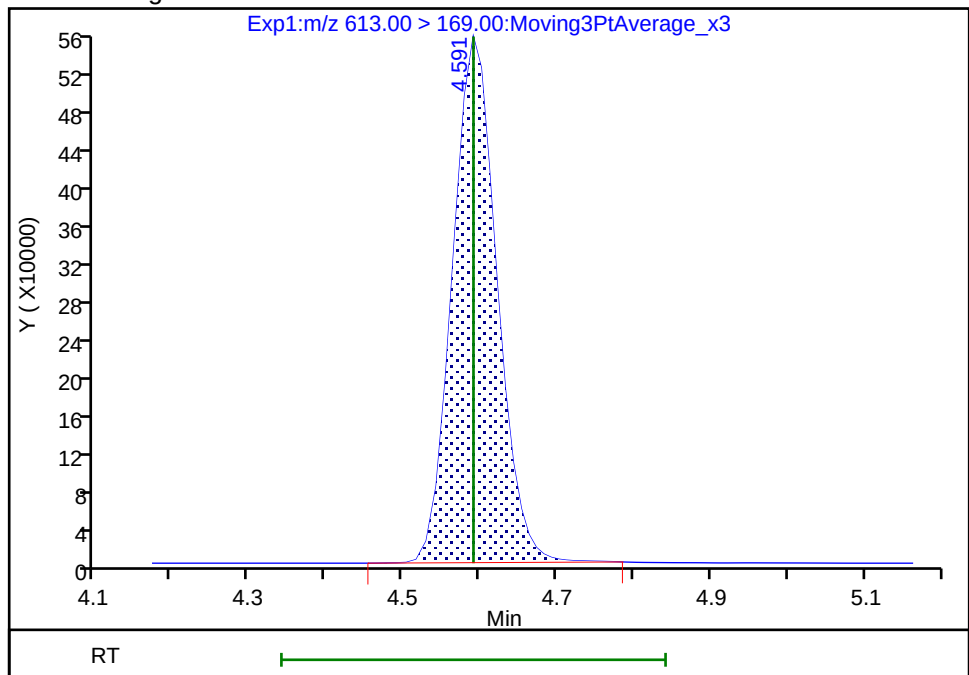
RT: 4.59
Area: 2239668
Amount: 8.813020
Amount Units: ng/ml

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
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Eurofins Burlington

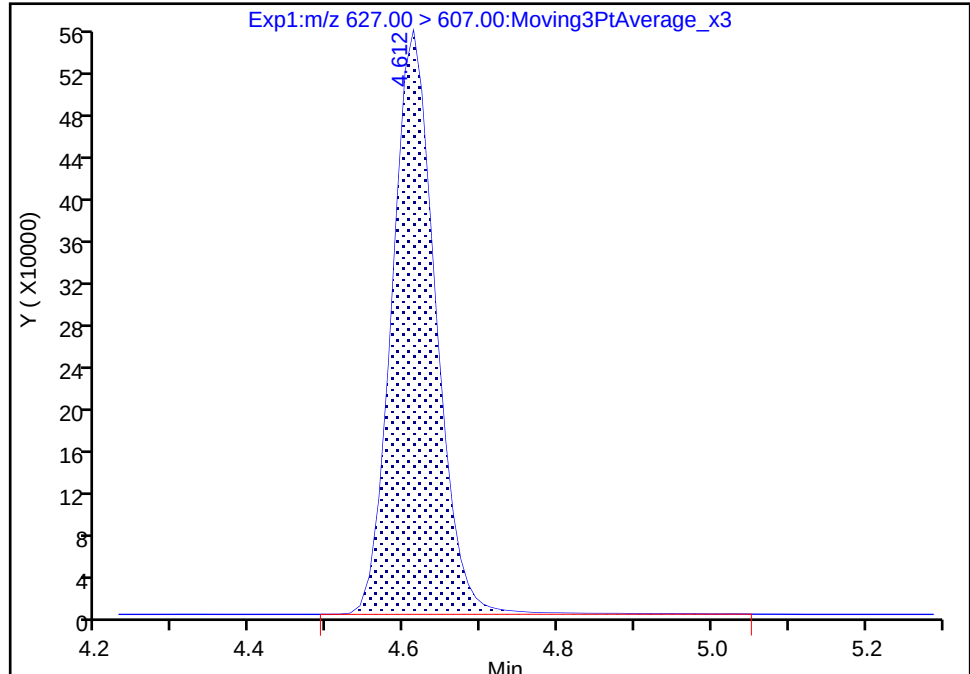
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

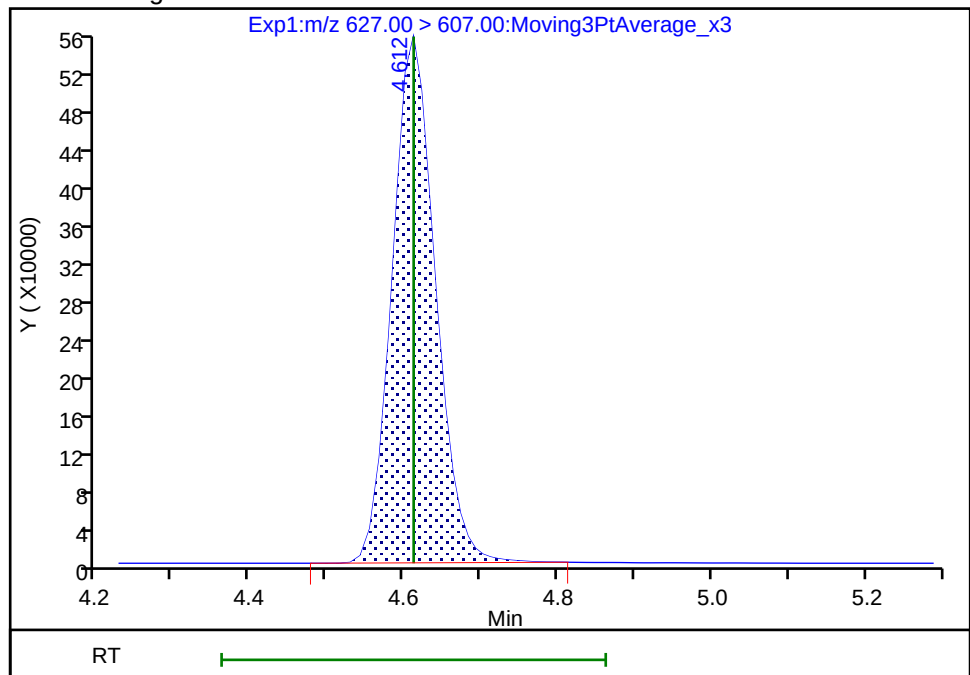
RT: 4.61
Area: 2155044
Amount: 9.567795
Amount Units: ng/ml

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
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Eurofins Burlington

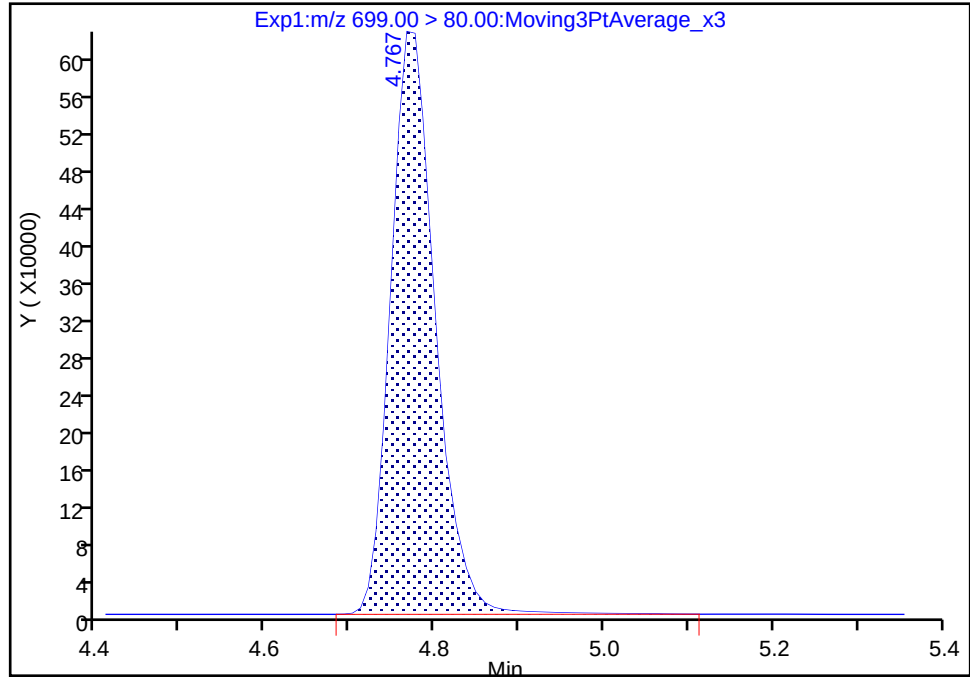
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

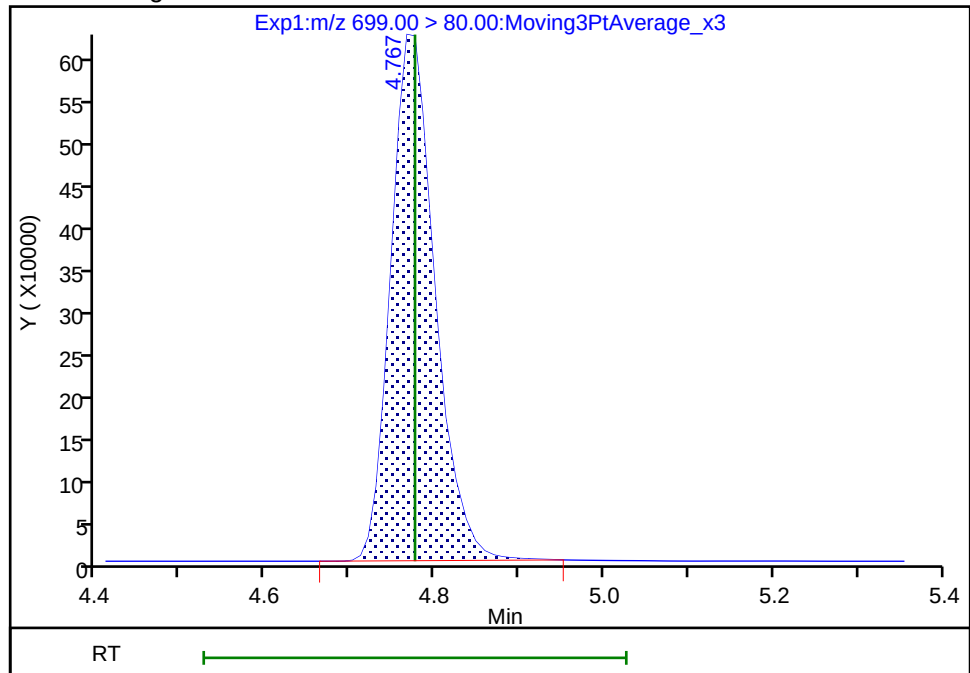
RT: 4.77
Area: 2276652
Amount: 8.916859
Amount Units: ng/ml

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
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Eurofins Burlington

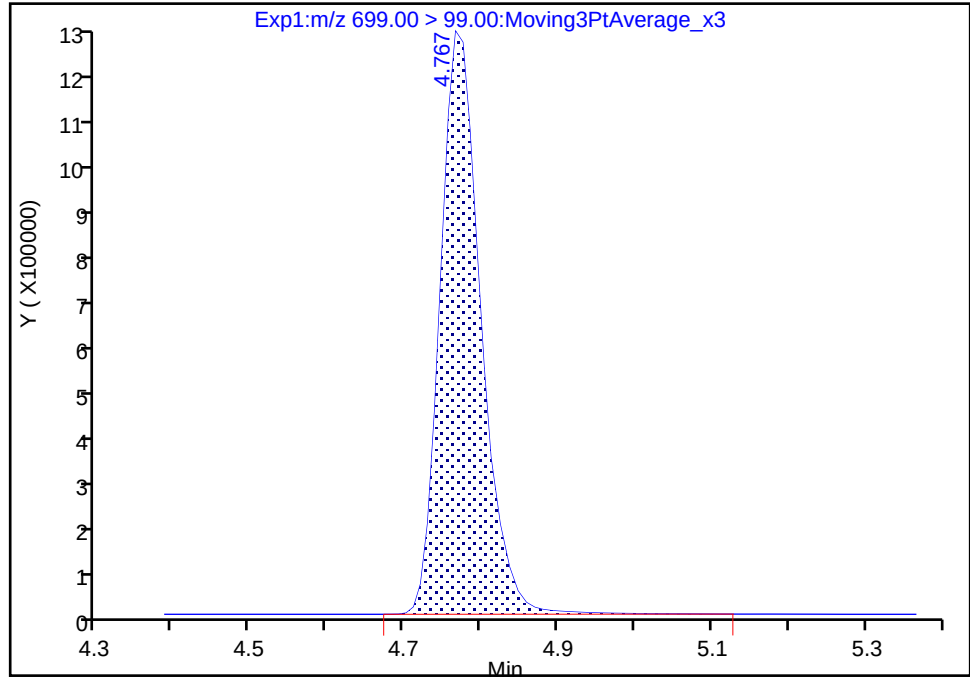
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 2

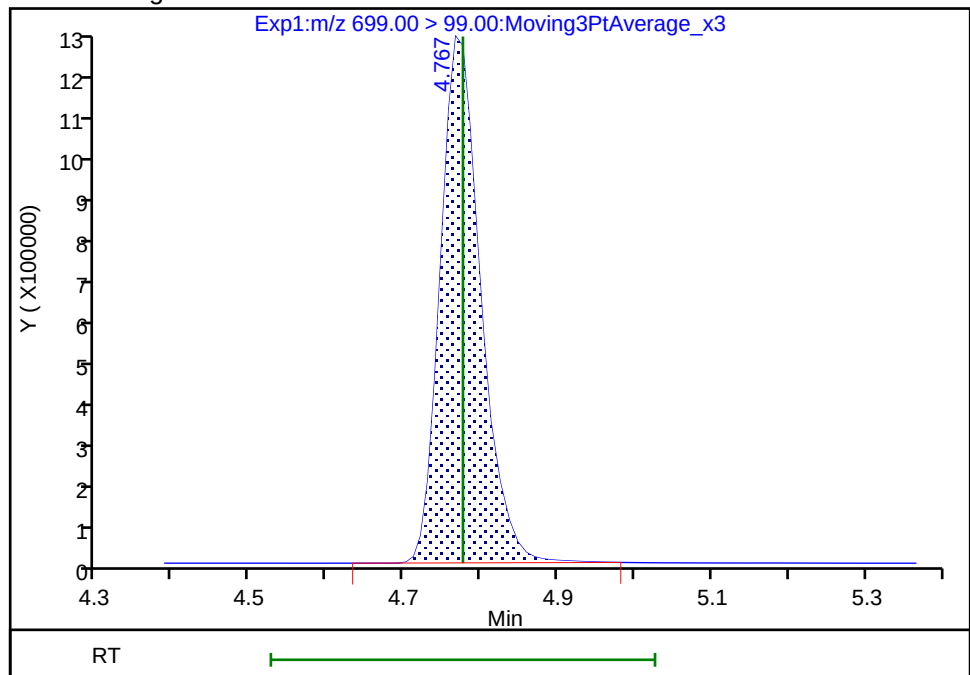
RT: 4.77
Area: 4551960
Amount: 8.916859
Amount Units: ng/ml

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
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Eurofins Burlington

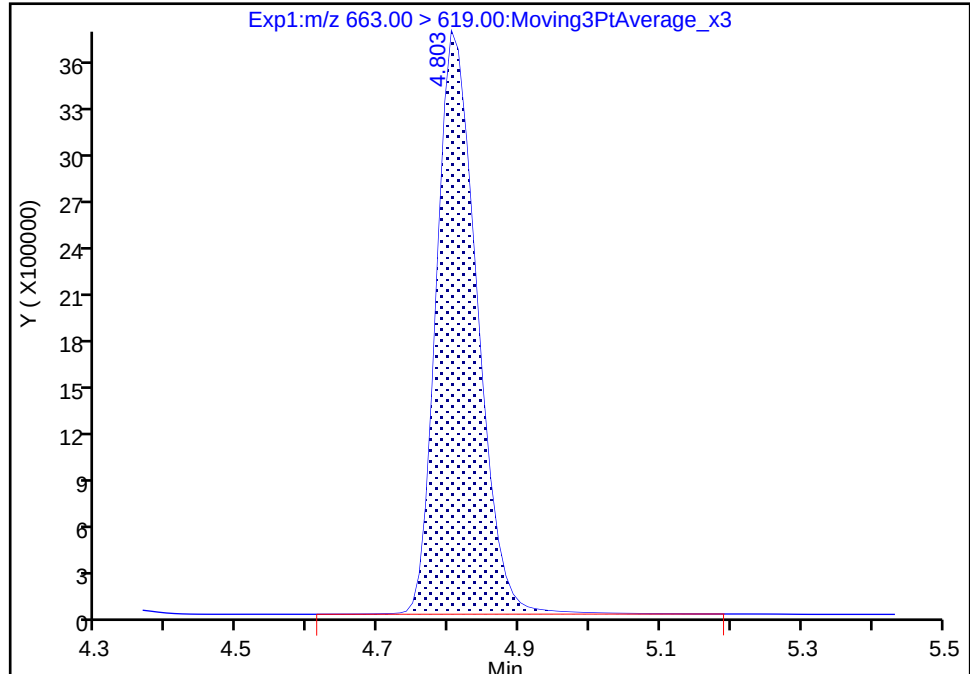
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

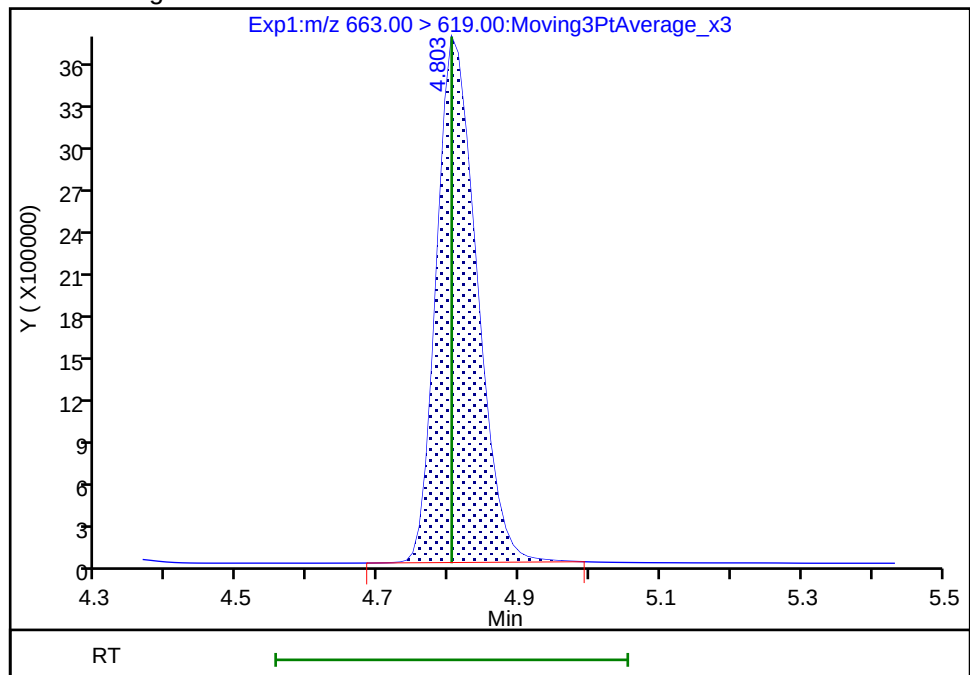
RT: 4.80
Area: 14874509
Amount: 8.712617
Amount Units: ng/ml

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

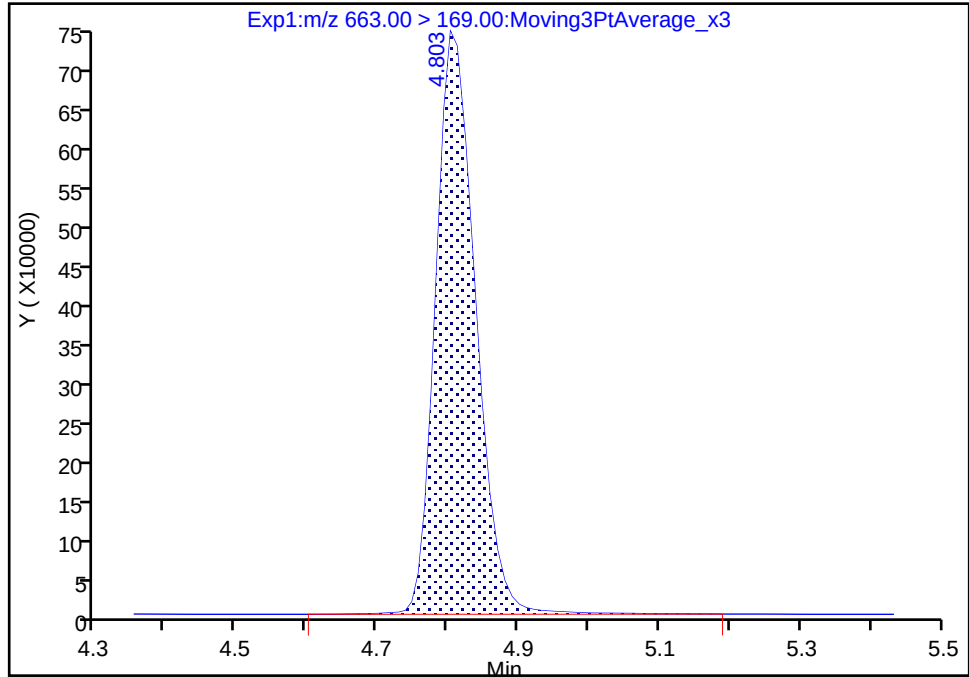
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

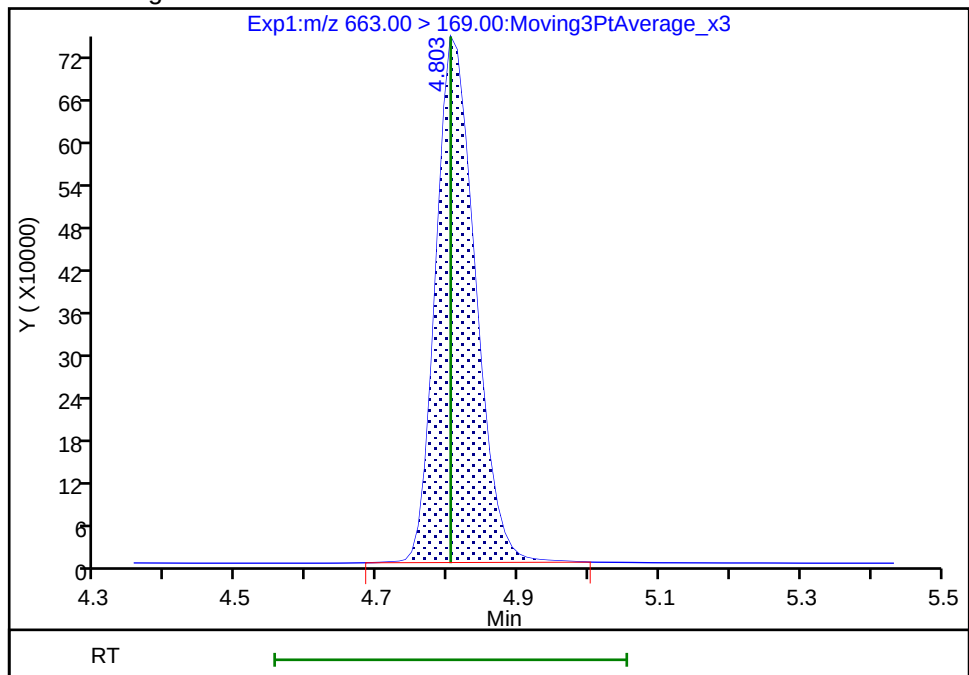
RT: 4.80
Area: 2899959
Amount: 8.712617
Amount Units: ng/ml

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
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Eurofins Burlington

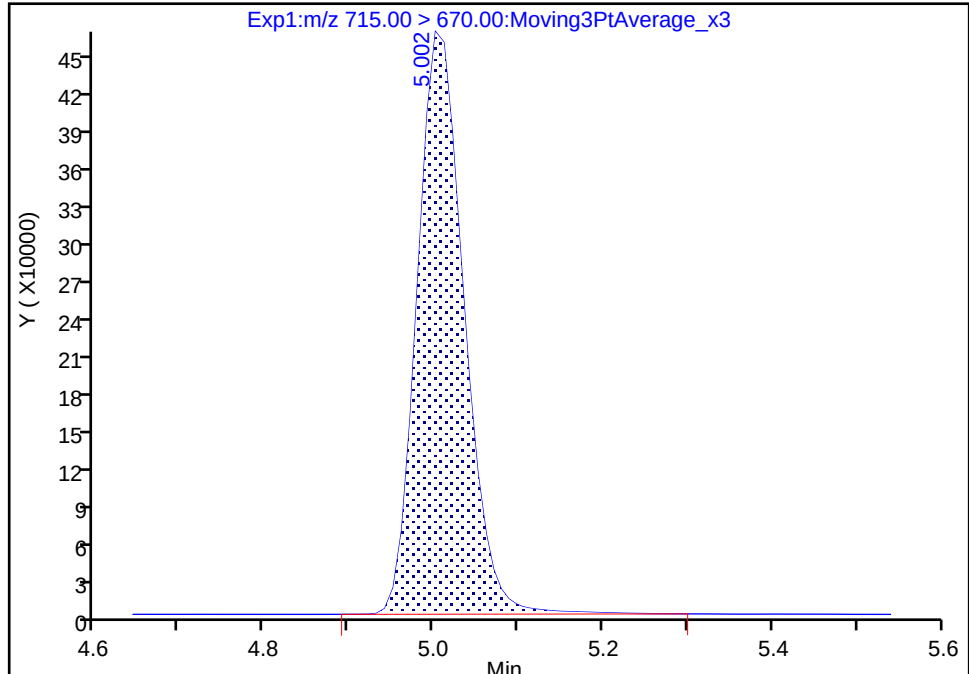
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

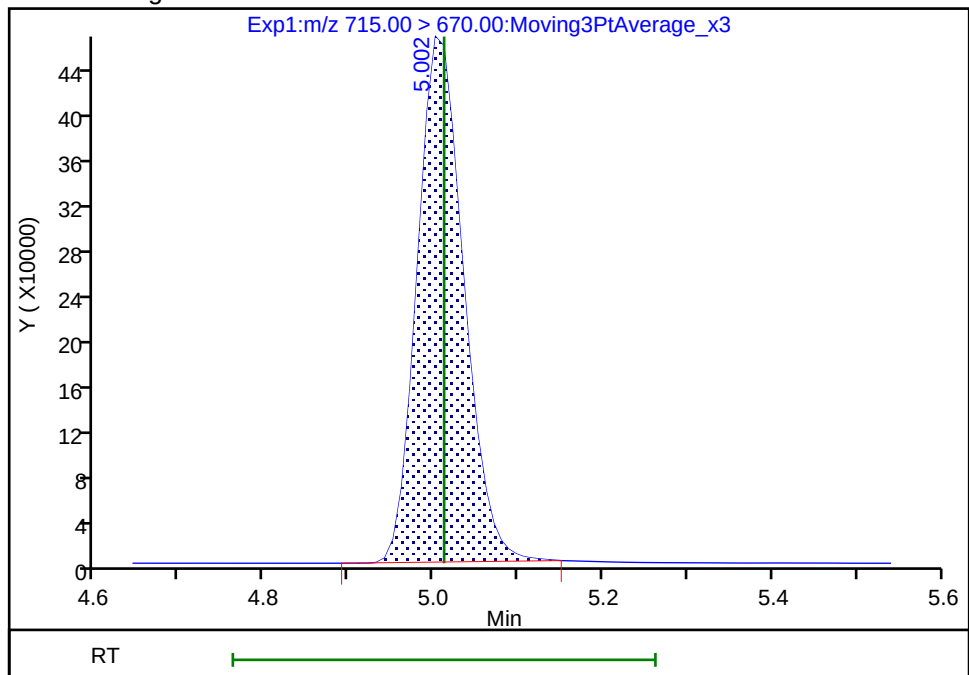
RT: 5.00
Area: 1805771
Amount: 1.302148
Amount Units: ng/ml

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
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PM

Eurofins Burlington

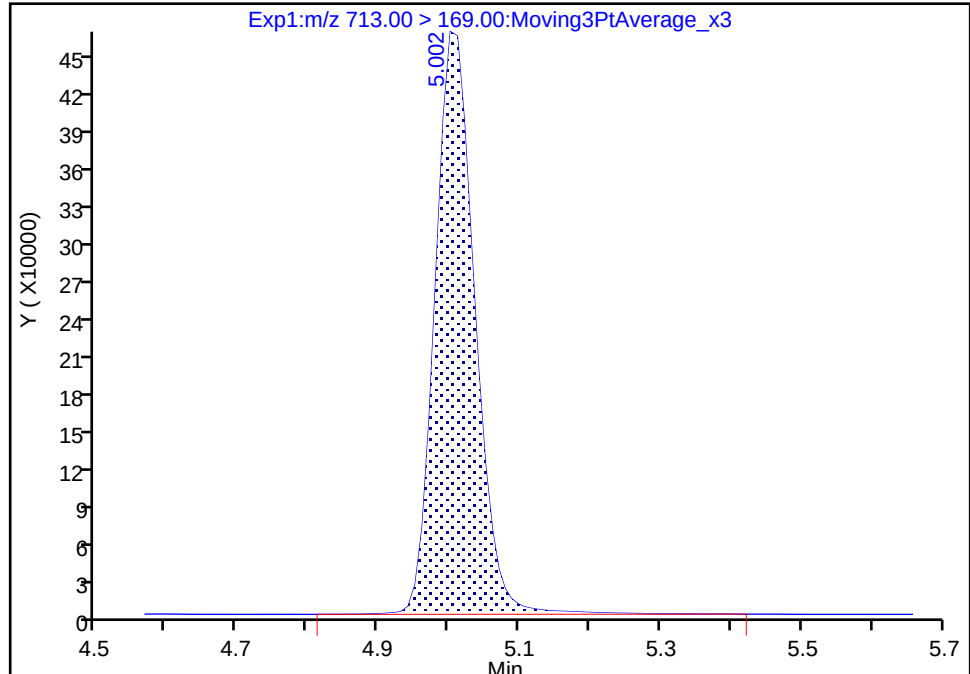
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

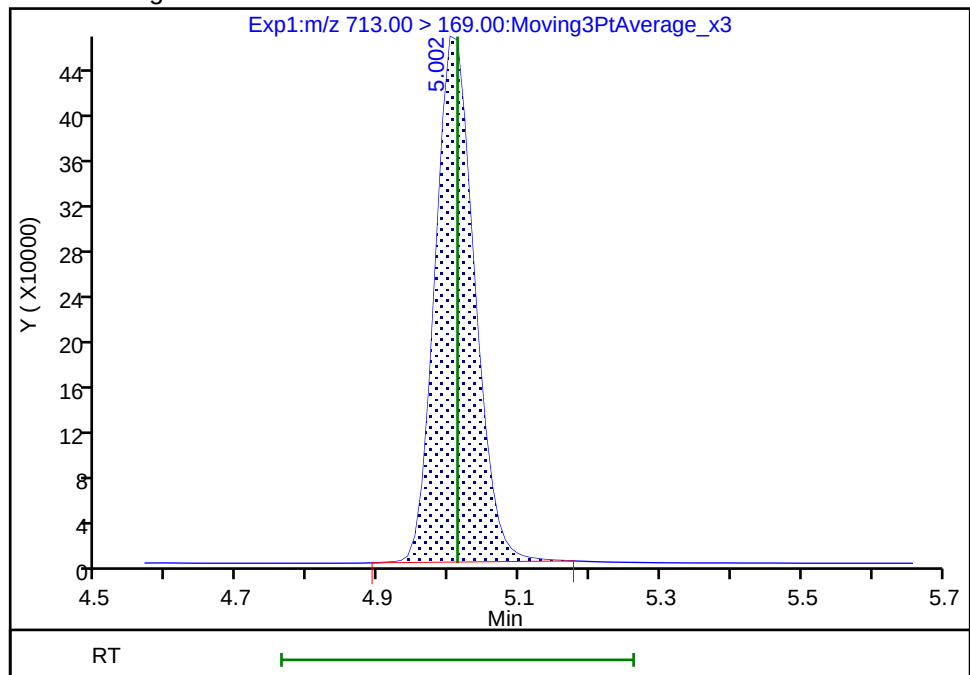
RT: 5.00
Area: 1841113
Amount: 9.306273
Amount Units: ng/ml

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

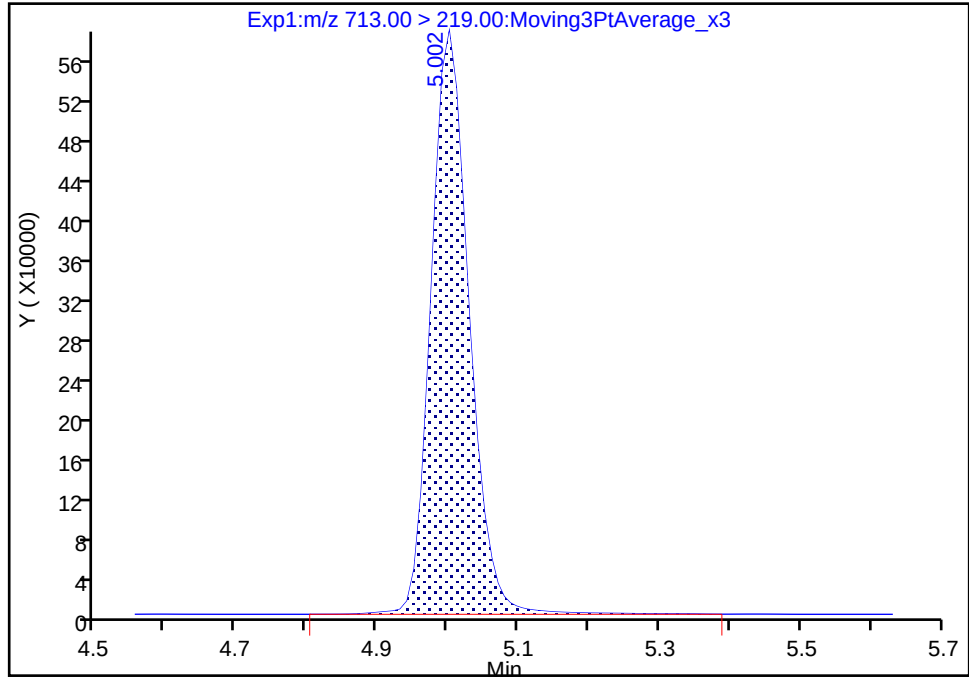
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

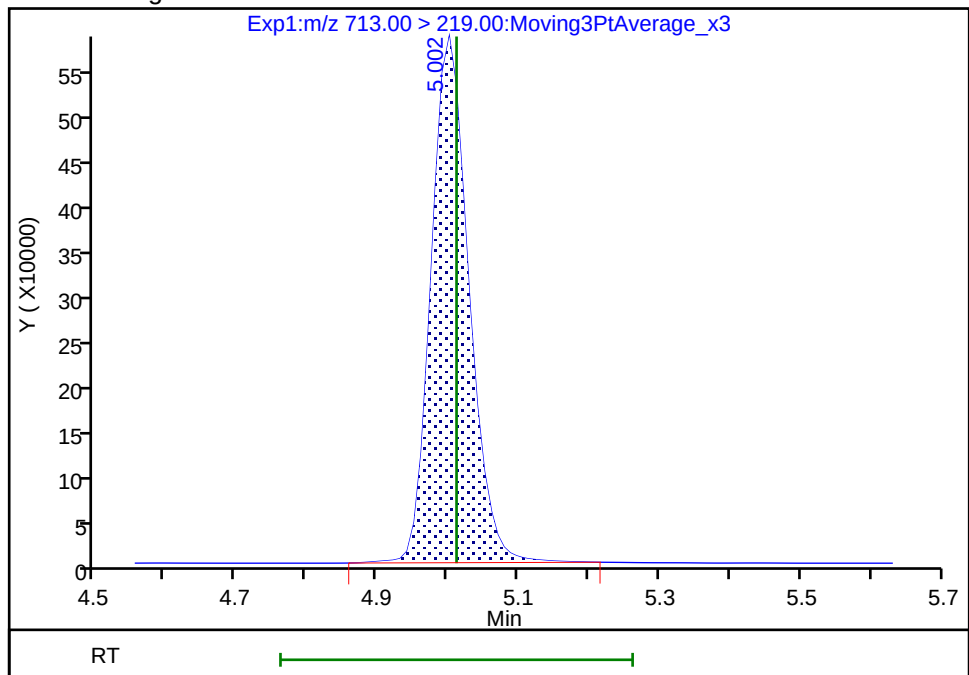
RT: 5.00
Area: 2174723
Amount: 9.306273
Amount Units: ng/ml

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
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Eurofins Burlington

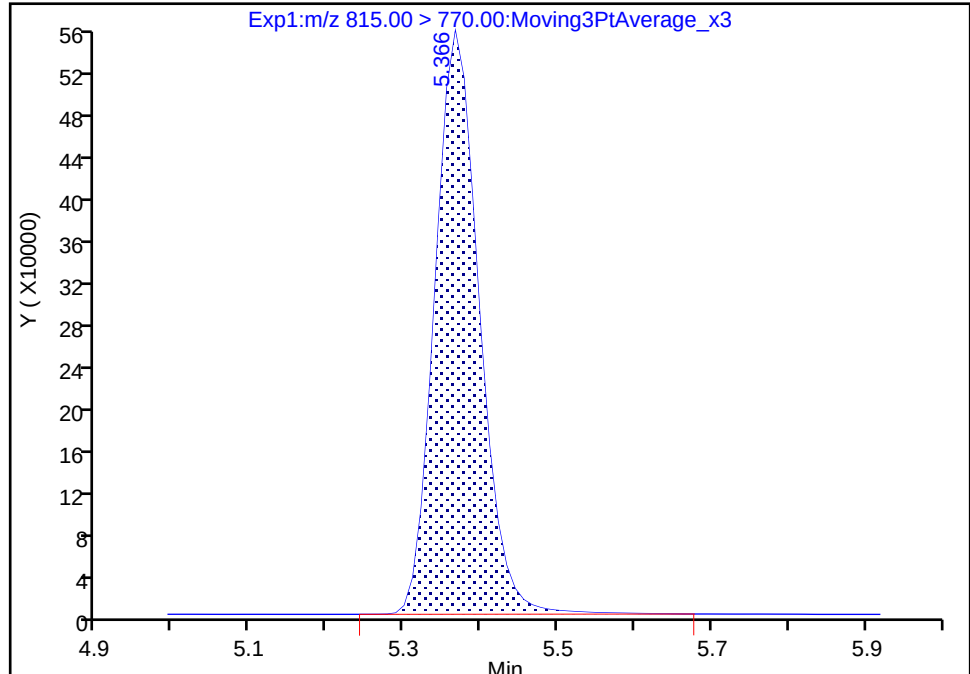
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

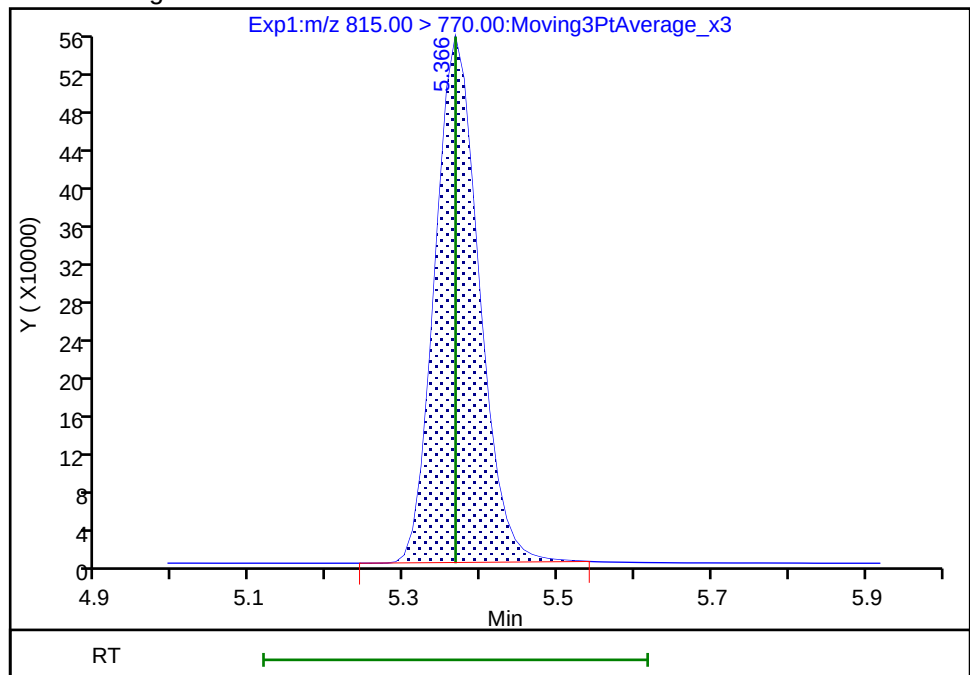
RT: 5.37
Area: 2211108
Amount: 1.290675
Amount Units: ng/ml

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

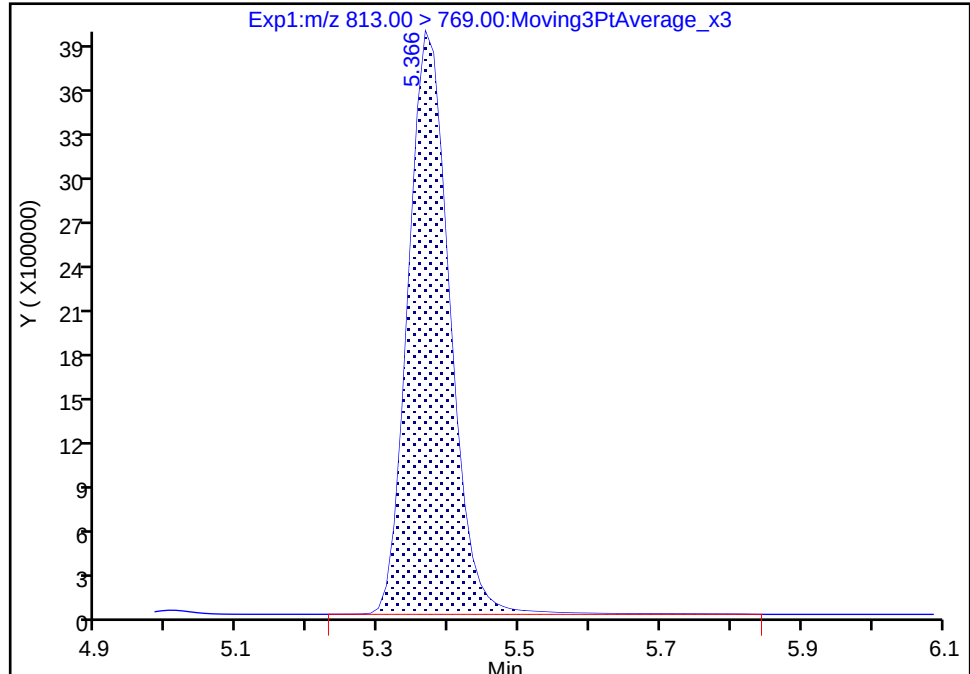
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

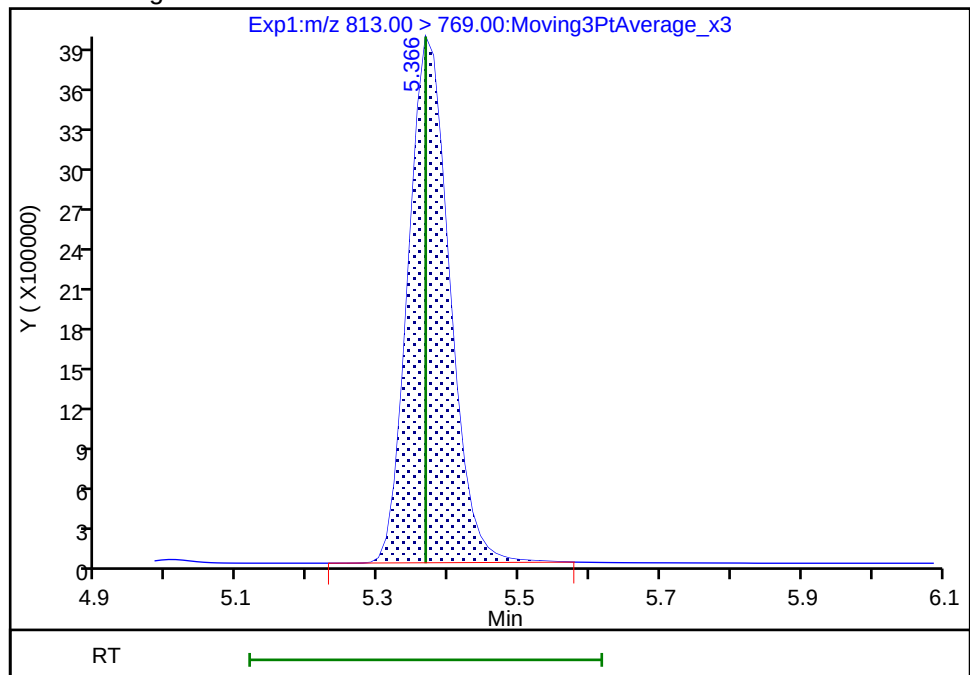
RT: 5.37
Area: 16305862
Amount: 10.008046
Amount Units: ng/ml

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
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Eurofins Burlington

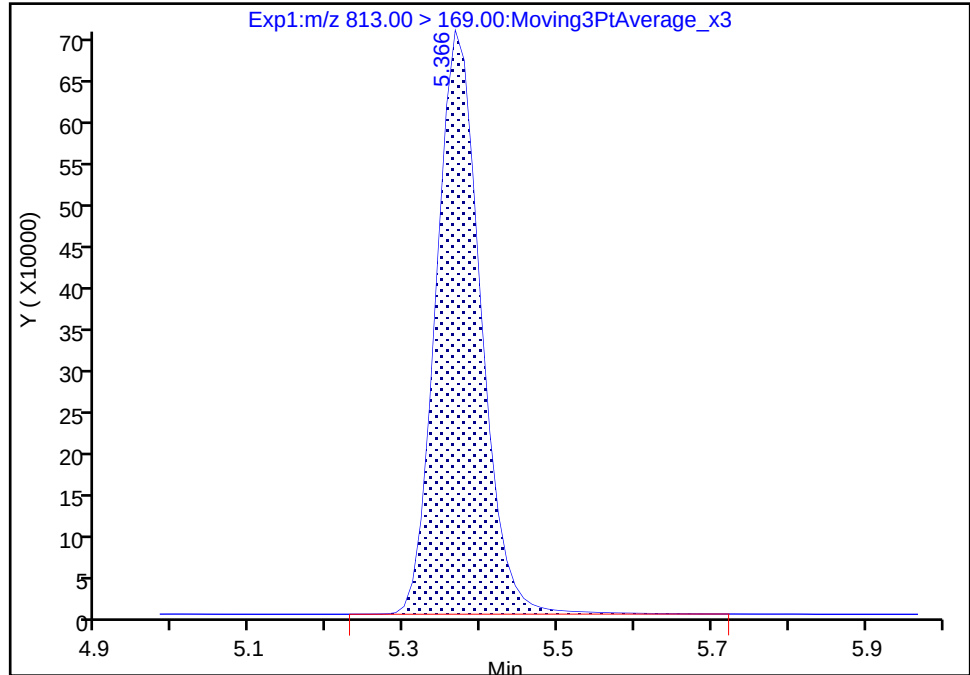
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Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: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

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

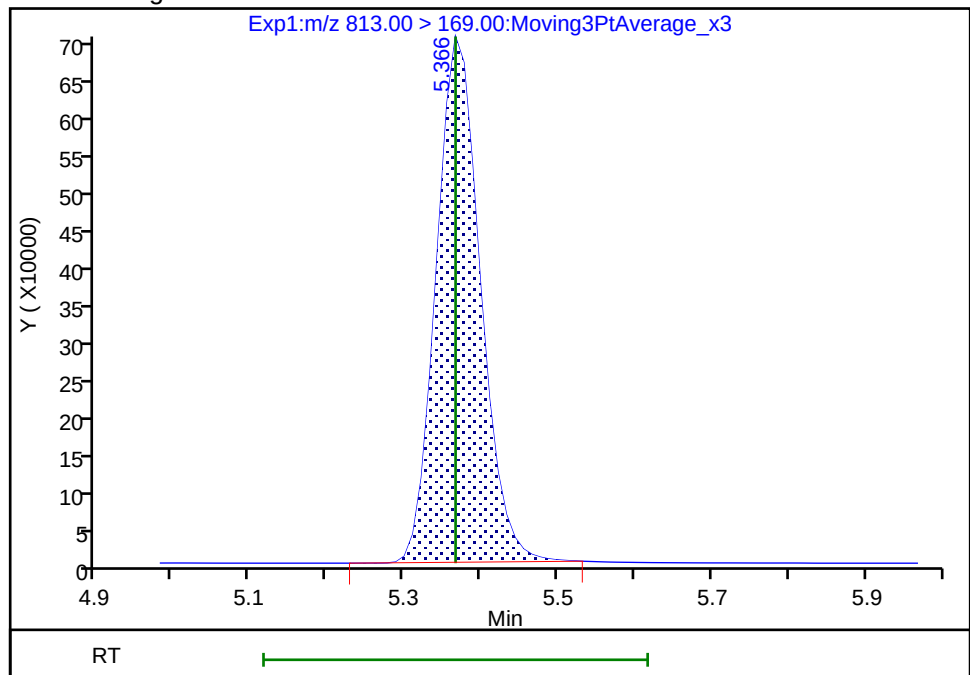
RT: 5.37
Area: 2835121
Amount: 10.008046
Amount Units: ng/ml

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
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Eurofins Burlington

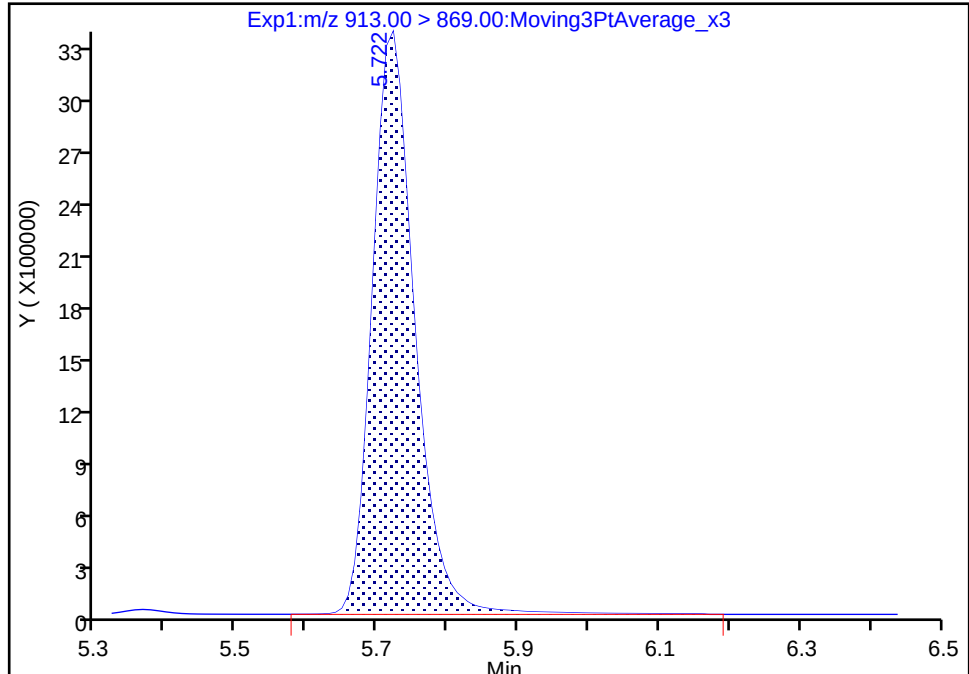
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

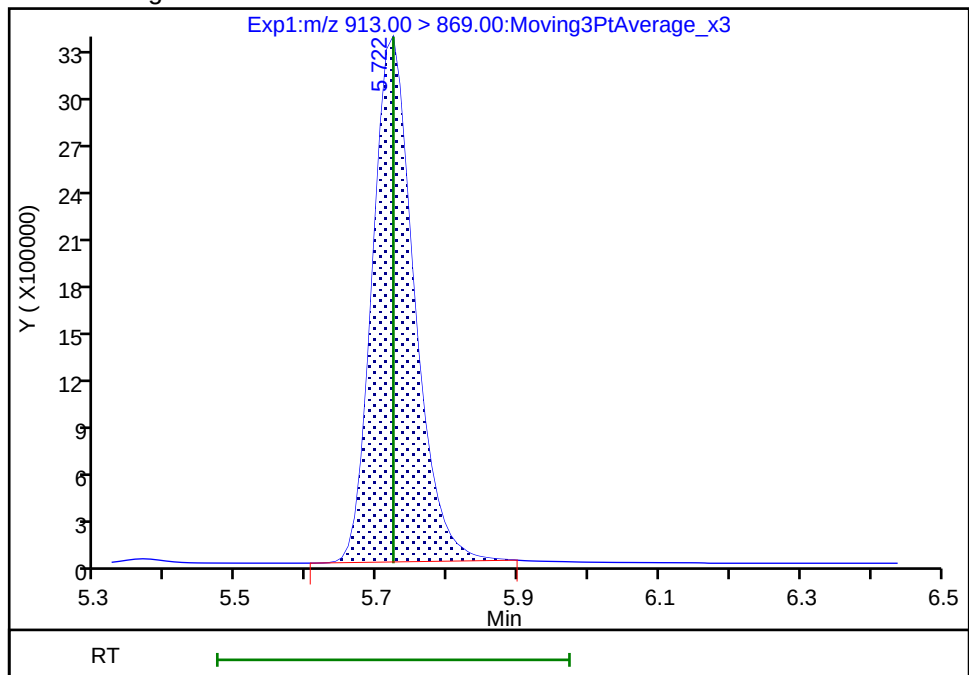
RT: 5.72
Area: 13908772
Amount: 9.598192
Amount Units: ng/ml

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
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Eurofins Burlington

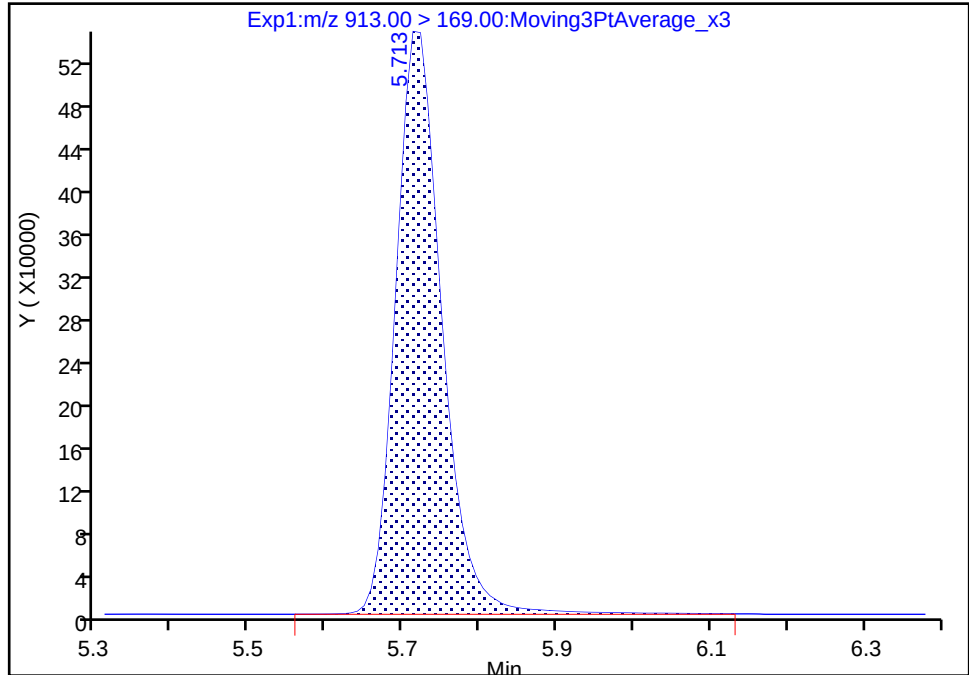
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL10.d
Injection Date: 18-Nov-2022 15:10:45 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

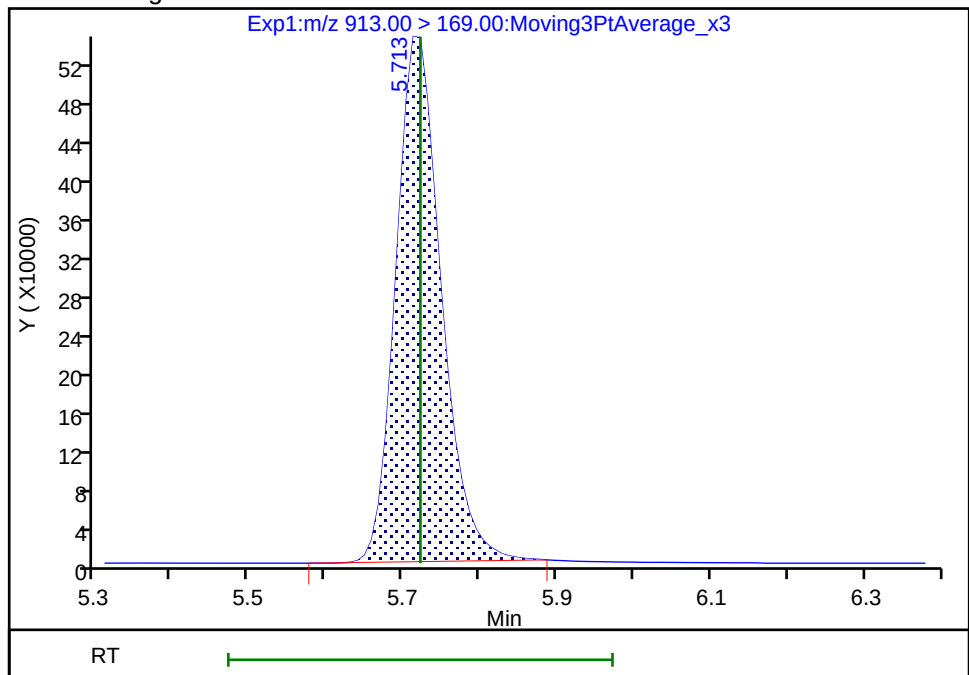
RT: 5.71
Area: 2271279
Amount: 9.598192
Amount Units: ng/ml

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
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Calibration

/ Perfluorobutanoic acid

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: IsoDil
 Response Base: AREA
 RF Rounding: 0

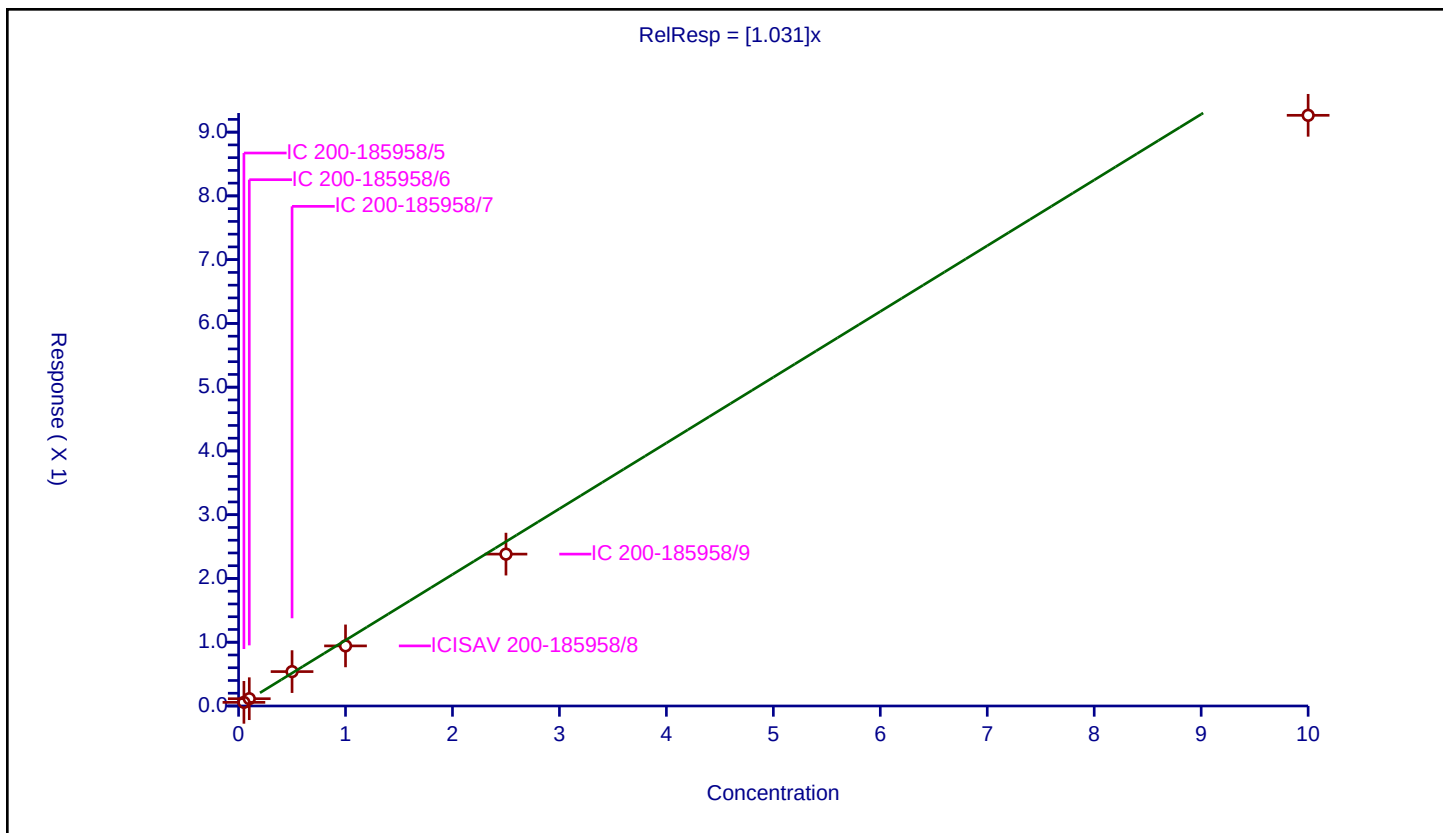
Curve Coefficients

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

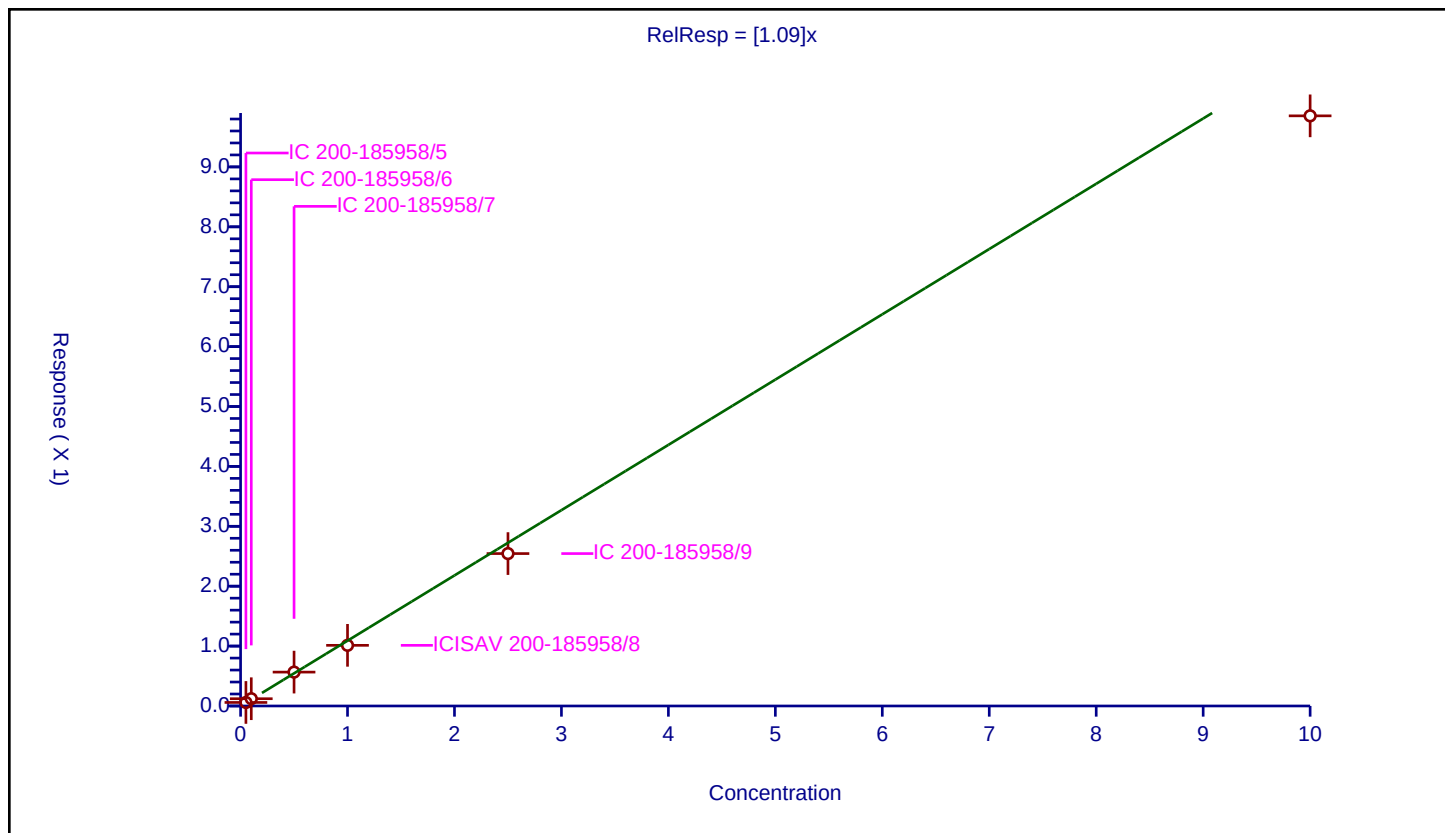
Curve Coefficients

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

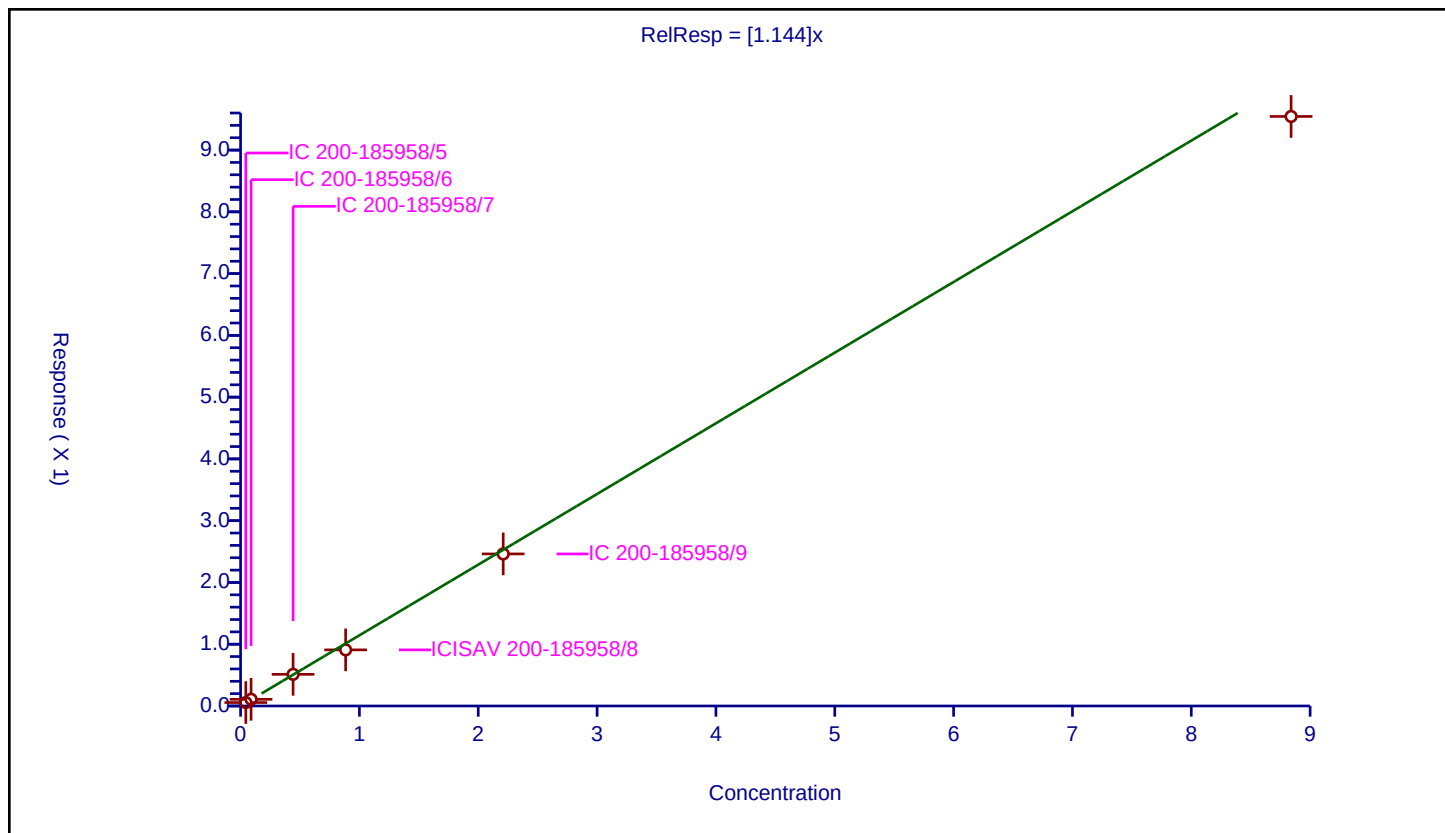
Curve Coefficients

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

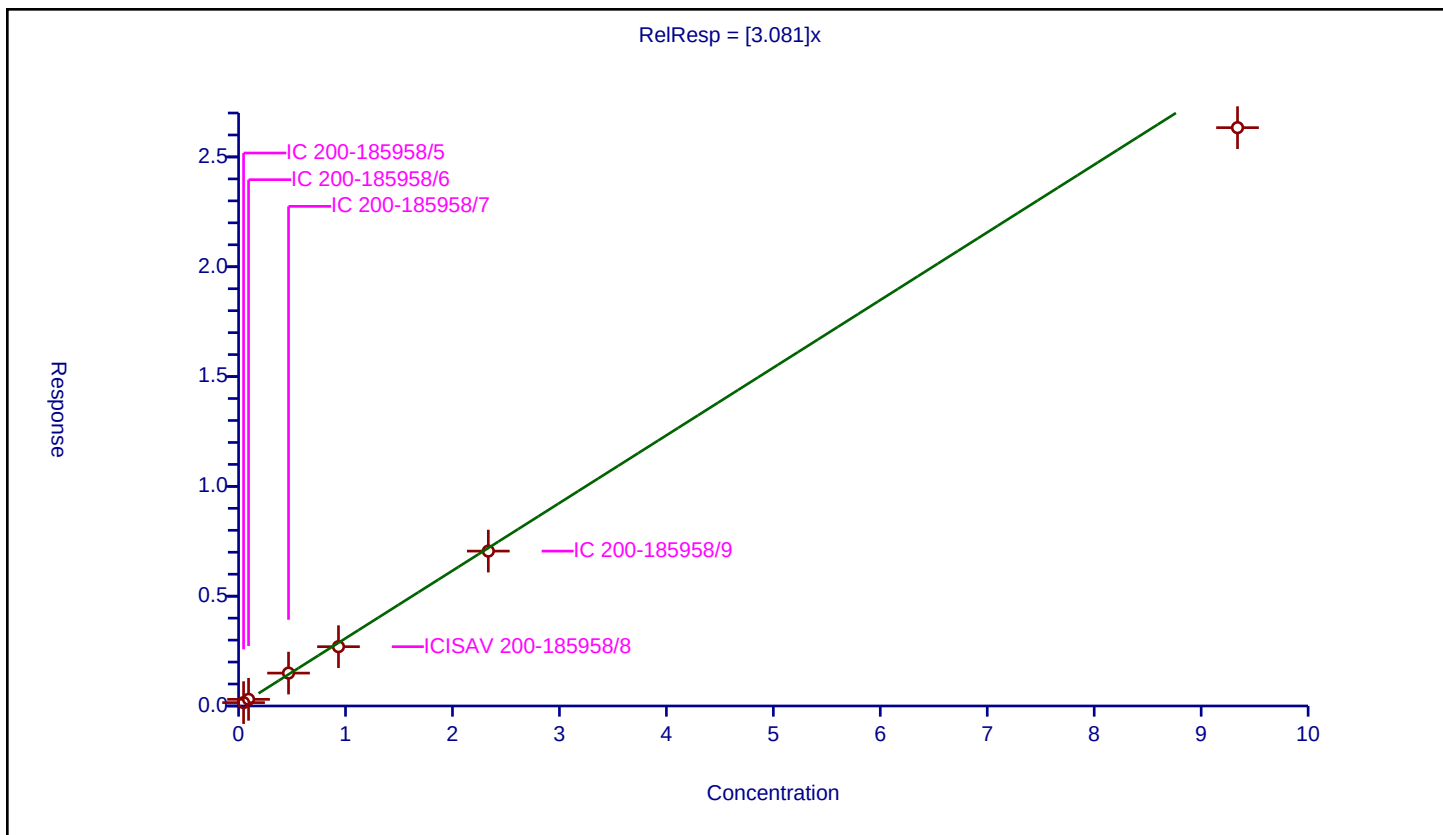
Curve Coefficients

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

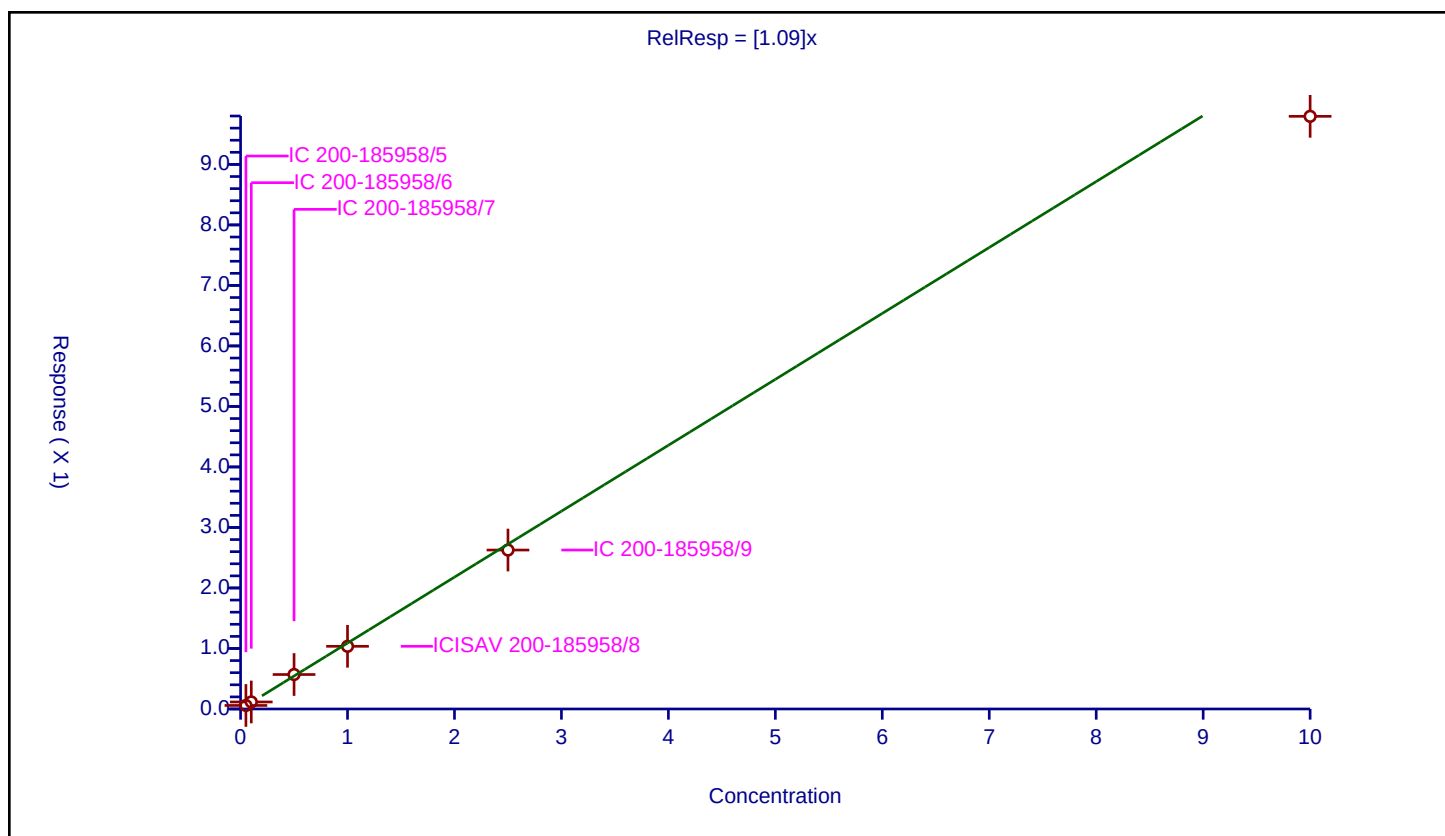
Curve Coefficients

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

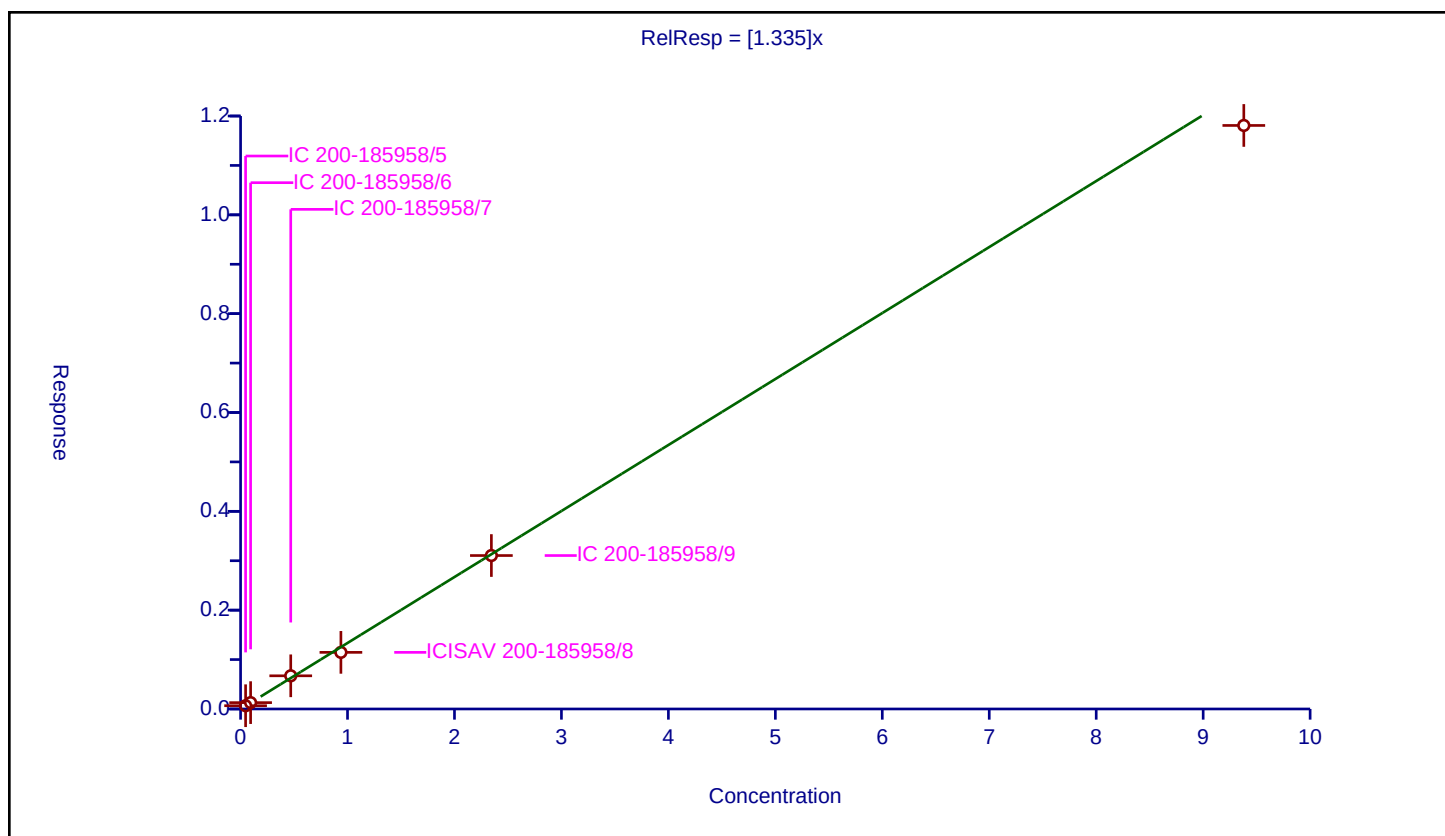
Curve Coefficients

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

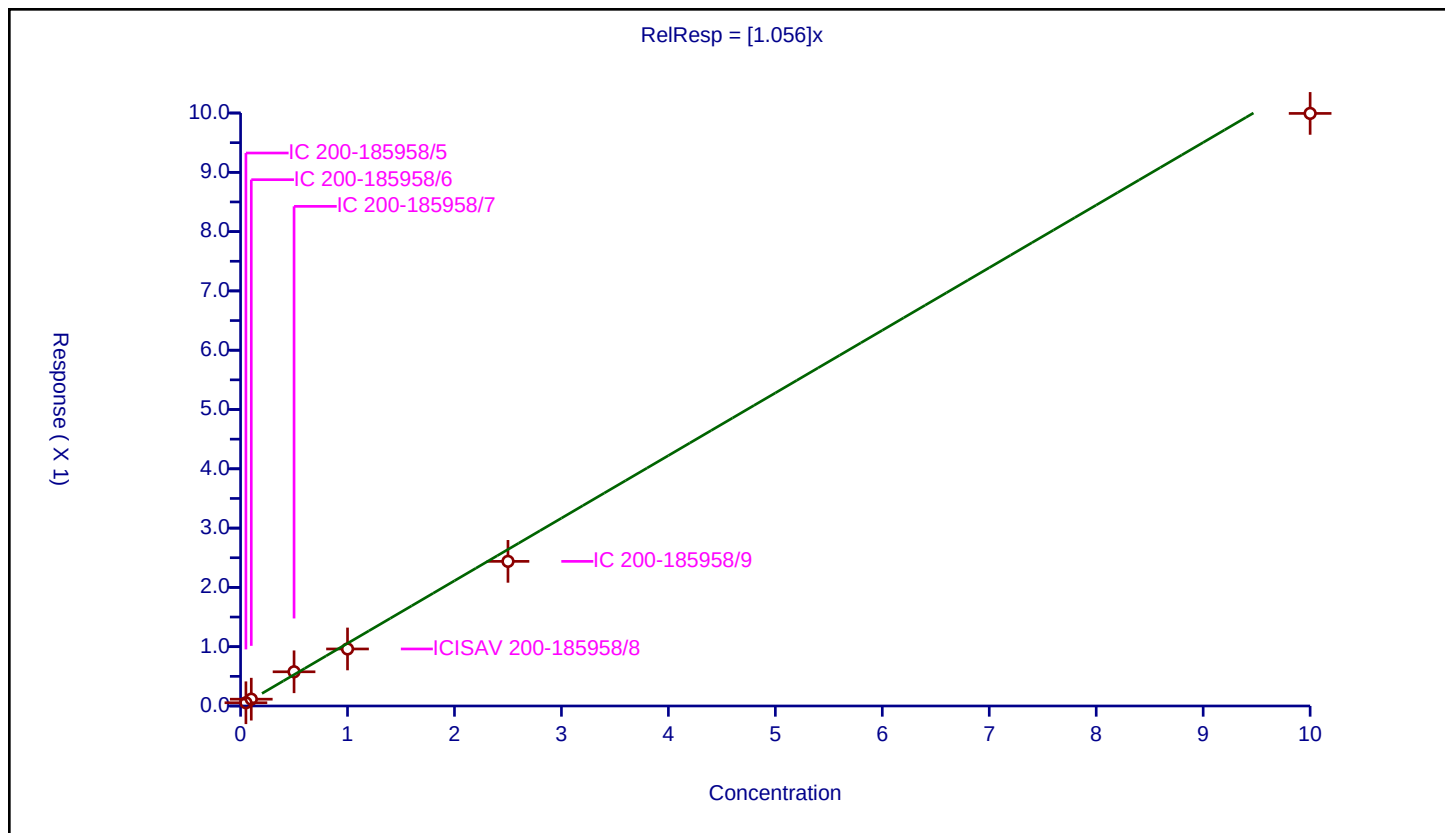
Curve Coefficients

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

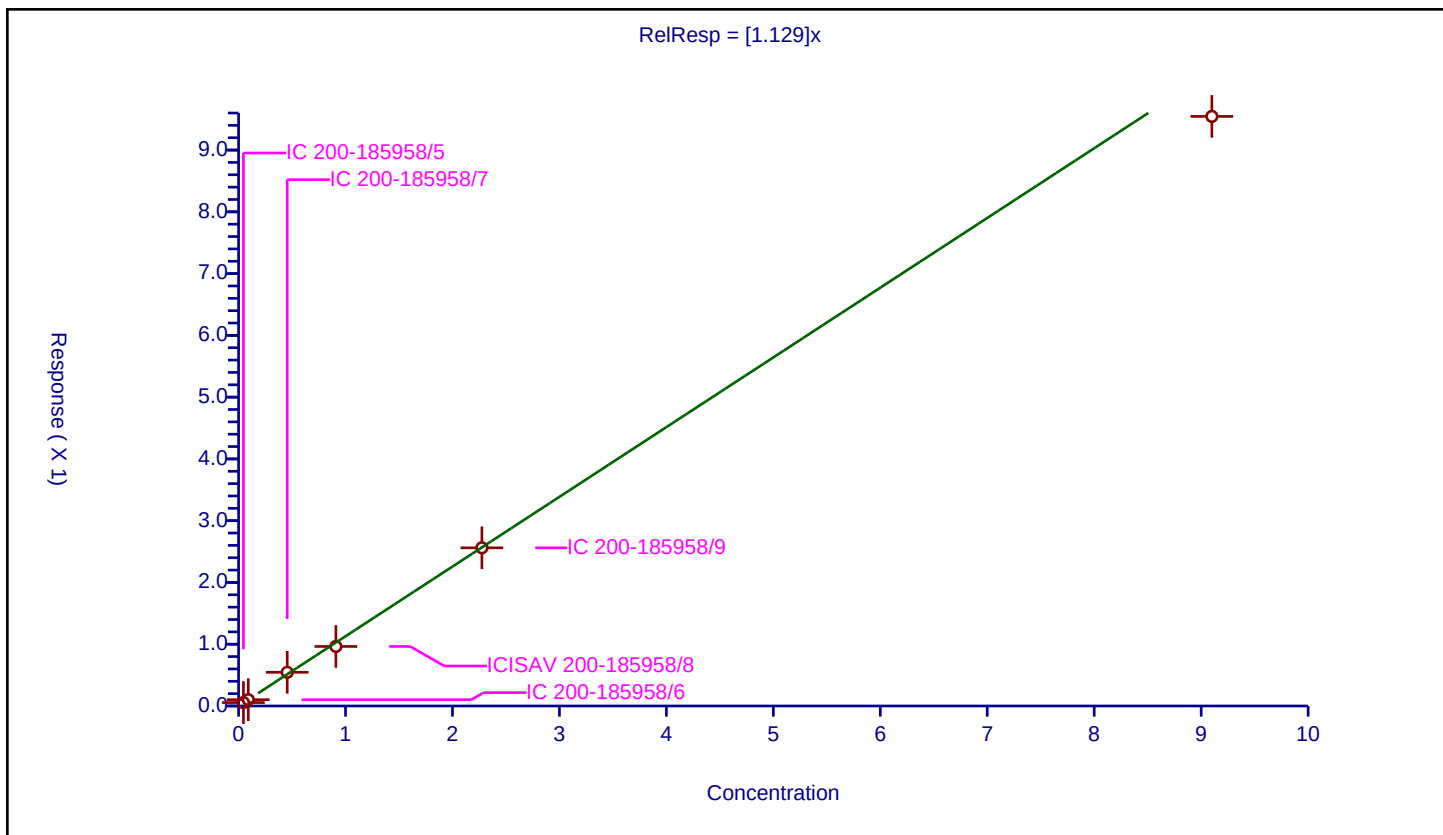
Curve Coefficients

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

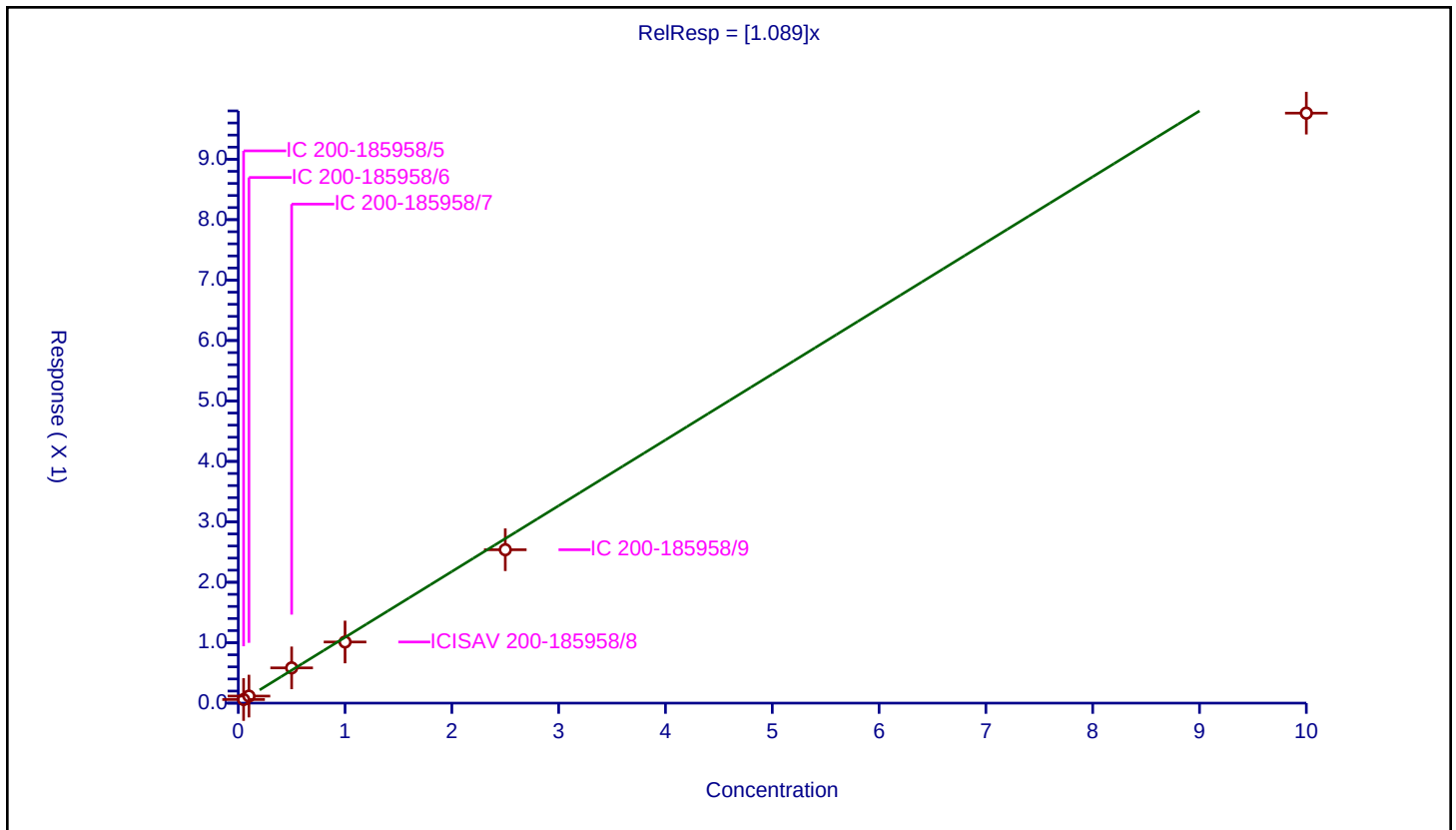
Curve Coefficients

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

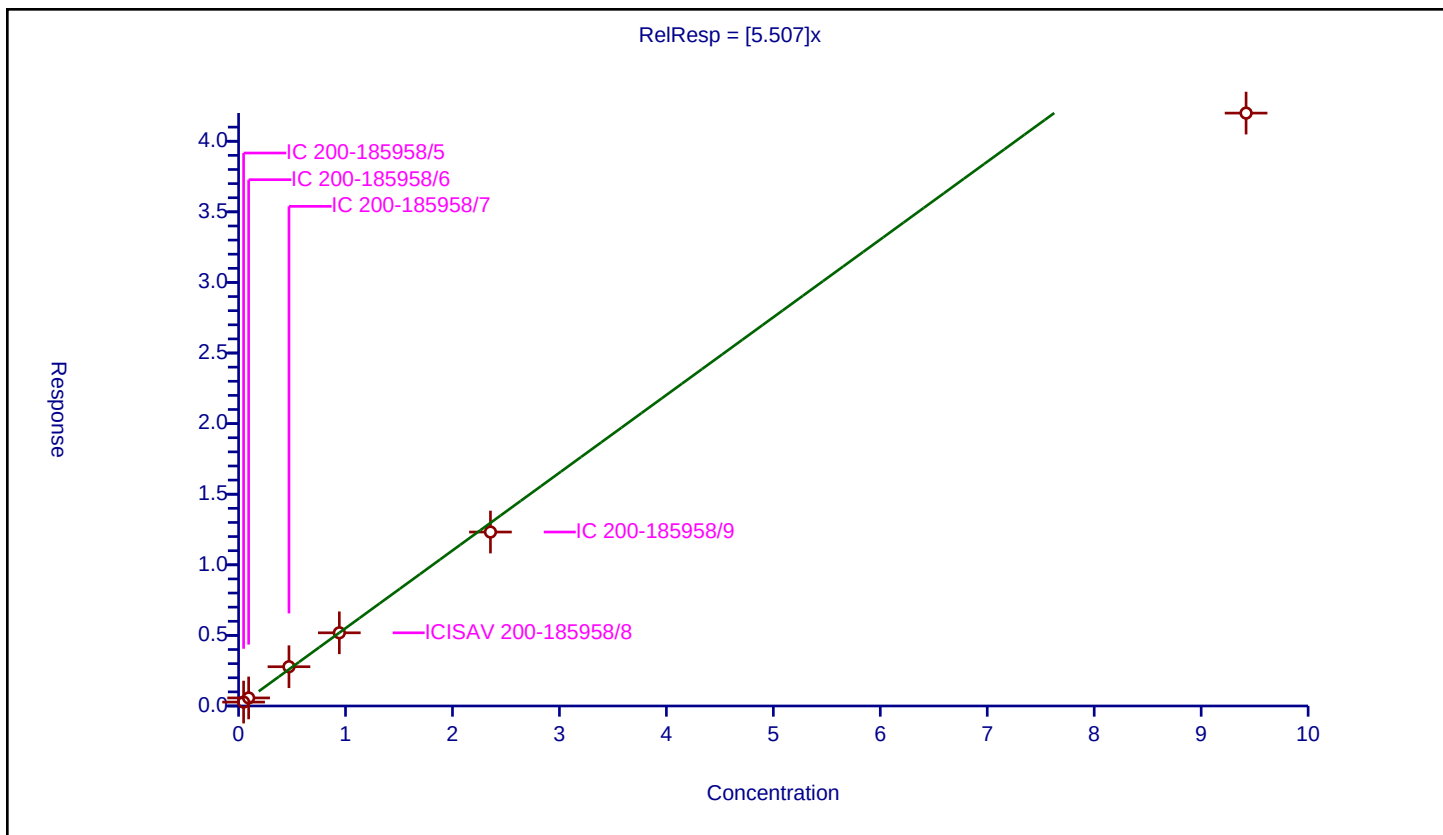
Curve Coefficients

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

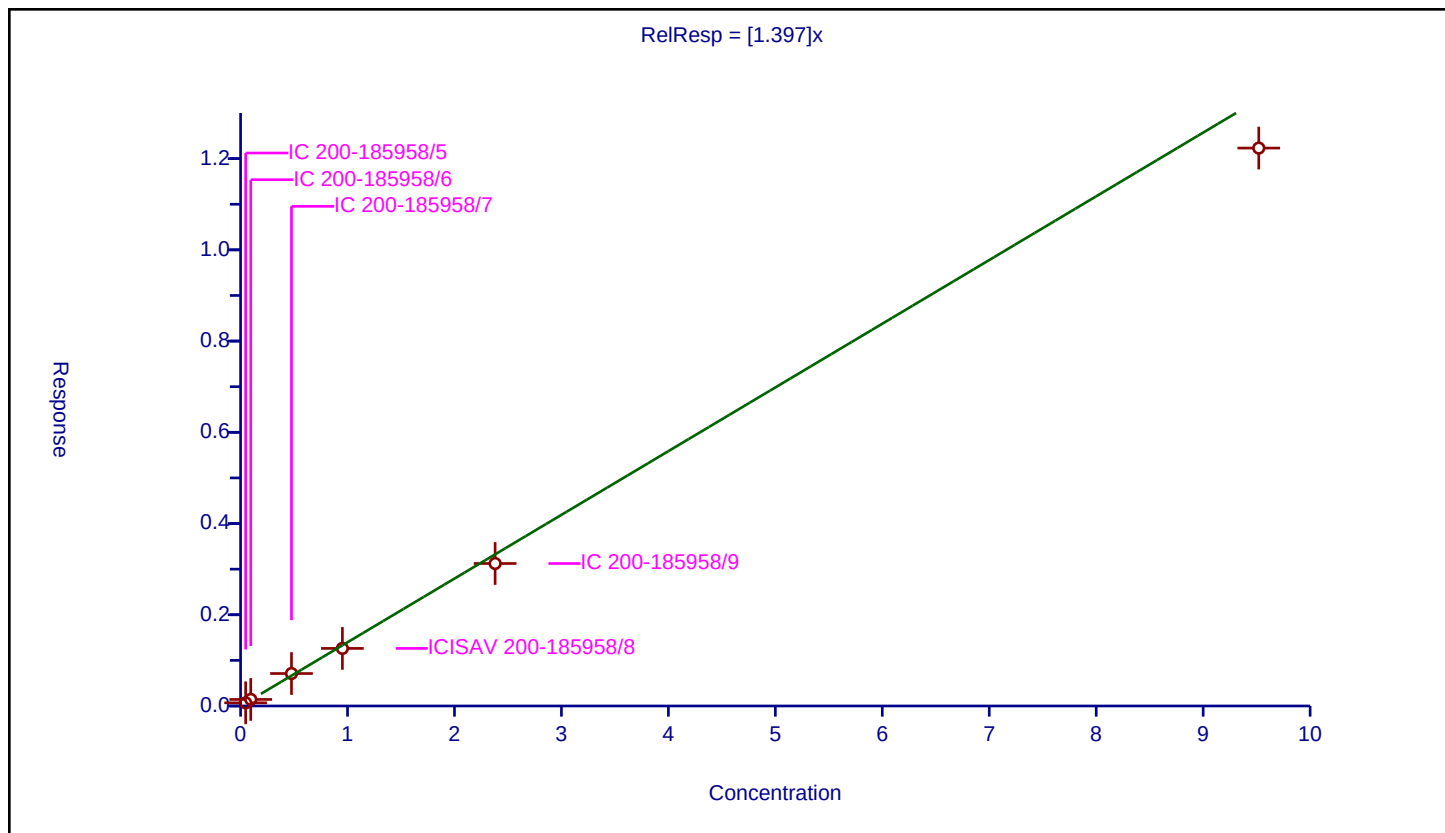
Curve Coefficients

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

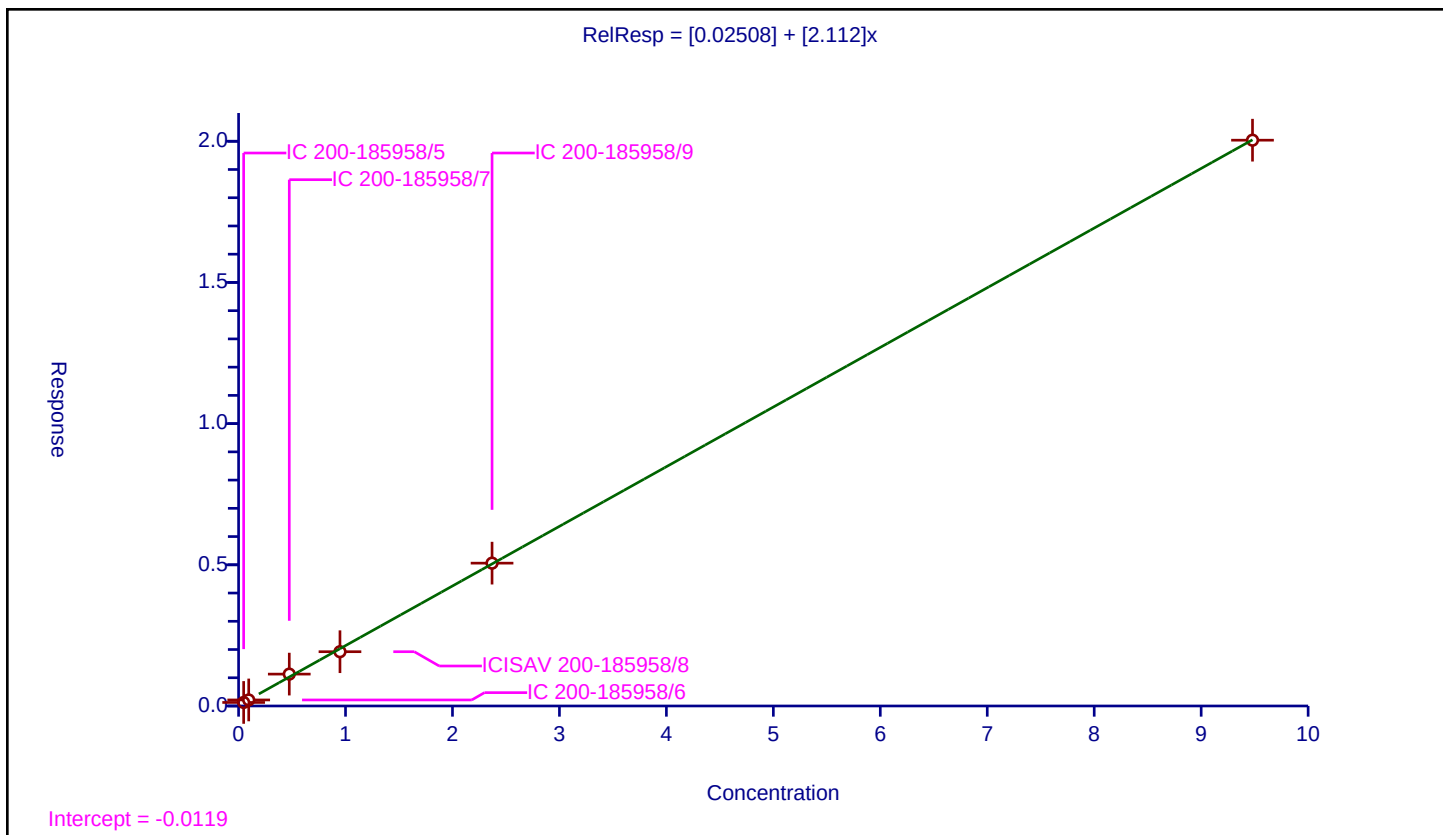
Curve Coefficients

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

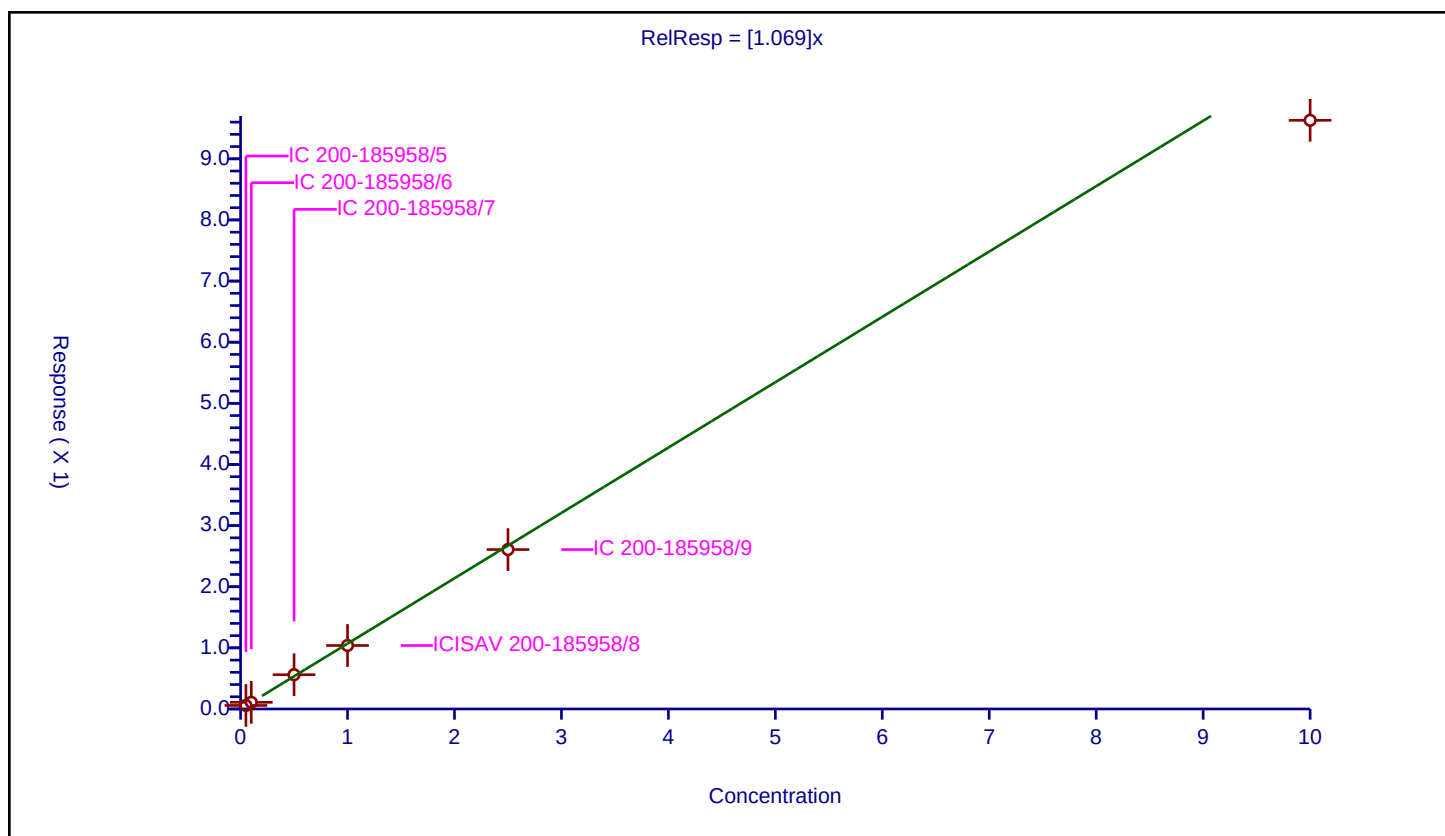
Curve Coefficients

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

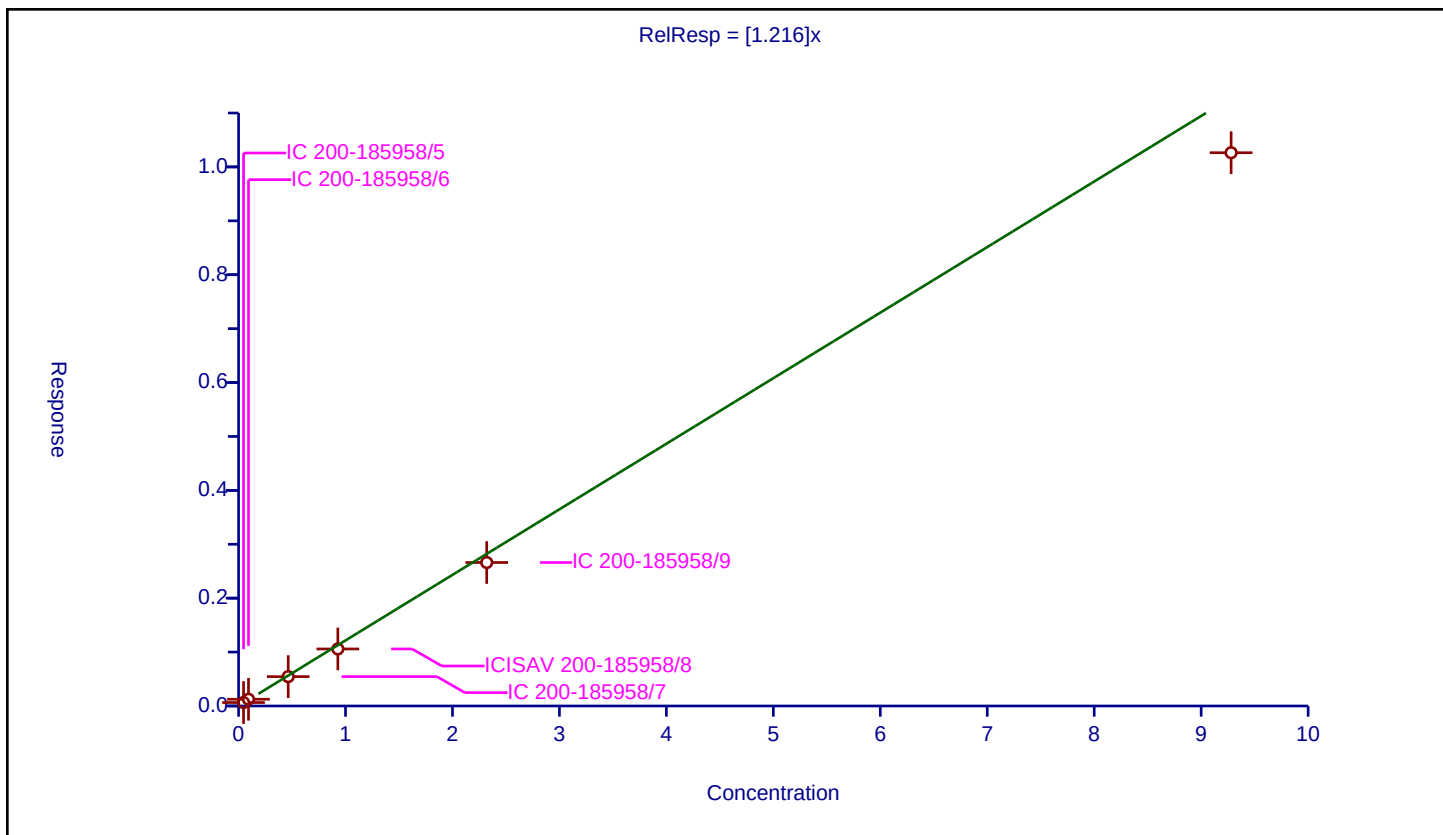
Curve Coefficients

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

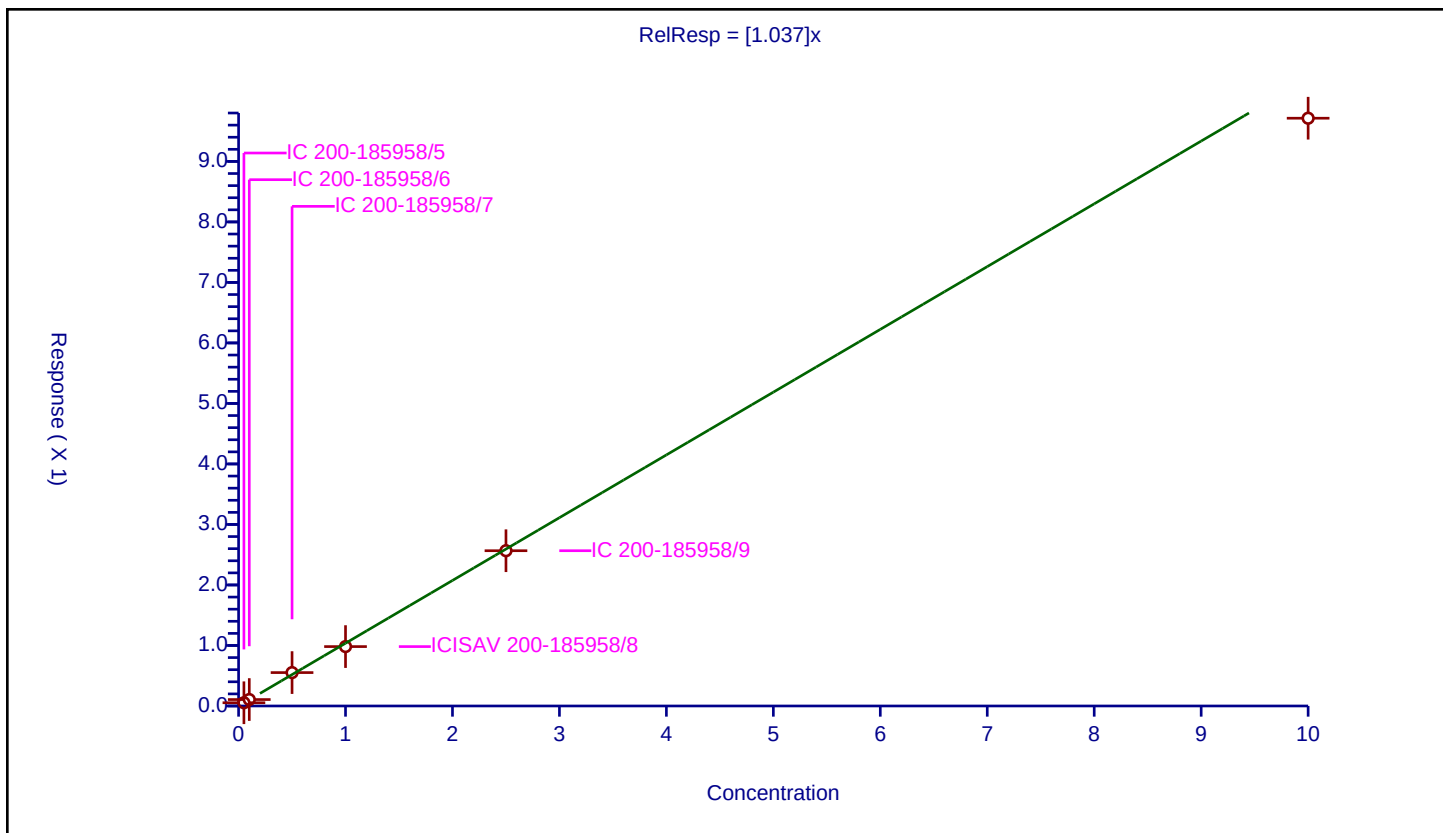
Curve Coefficients

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

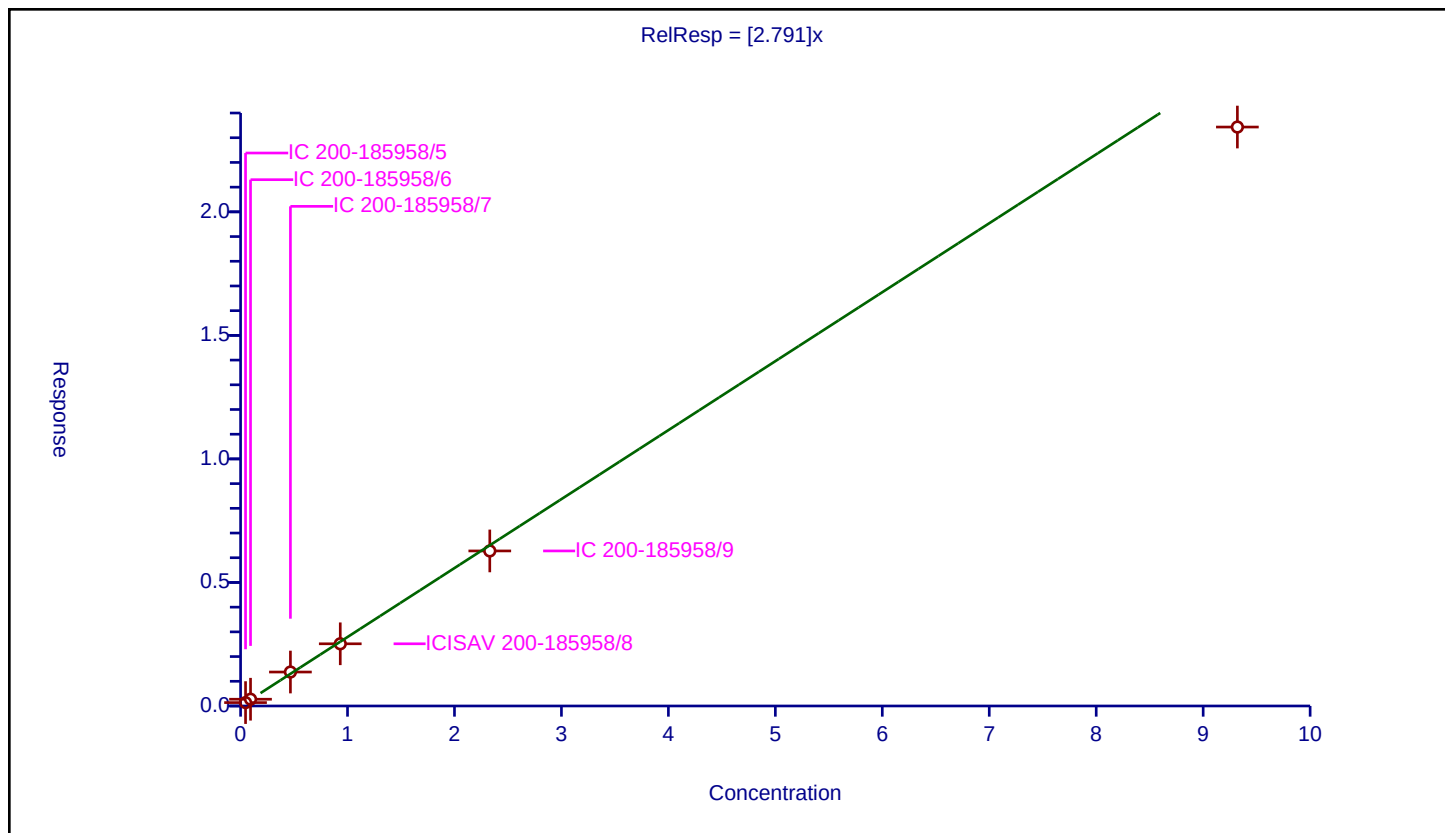
Curve Coefficients

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

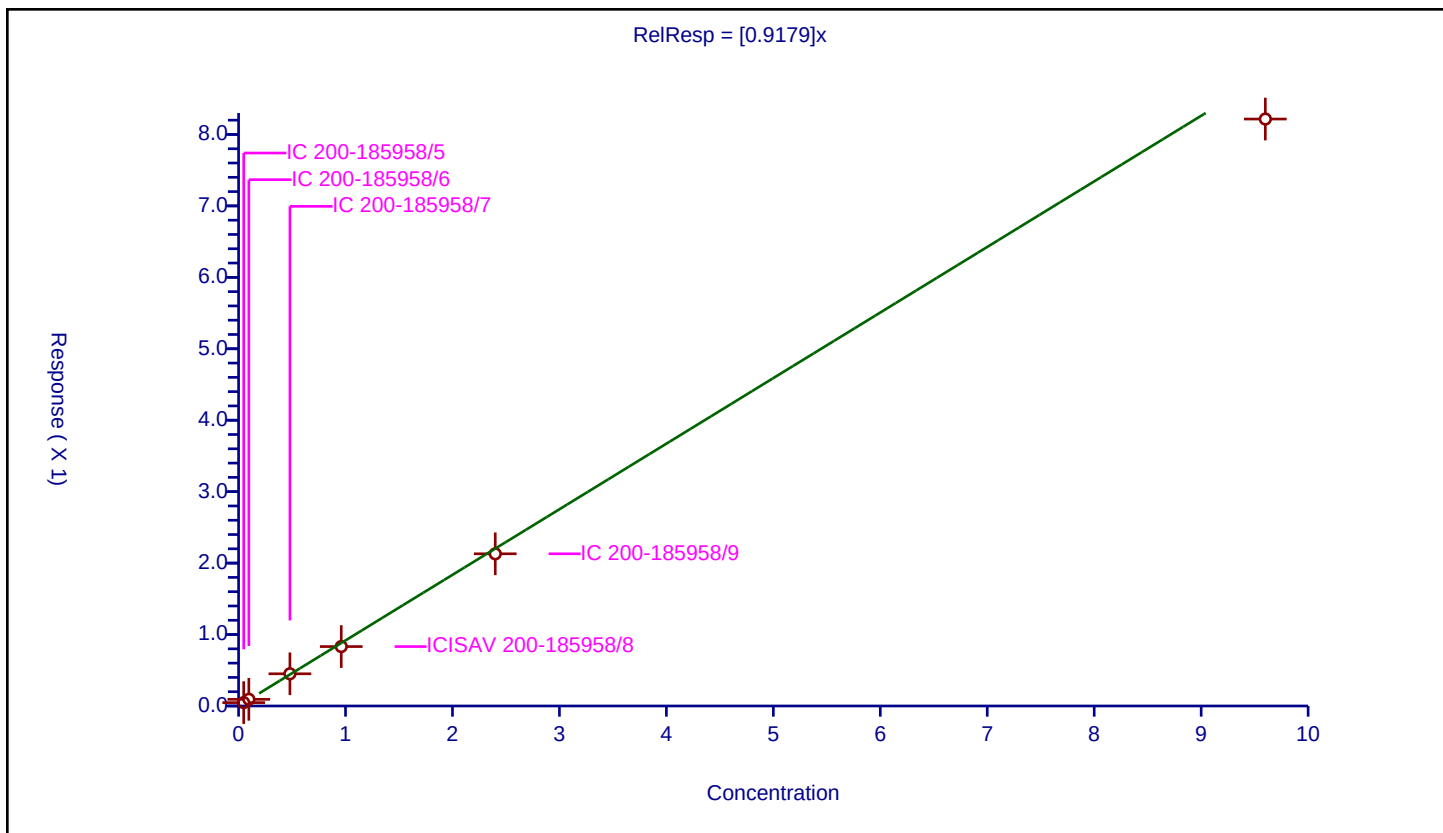
Curve Coefficients

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

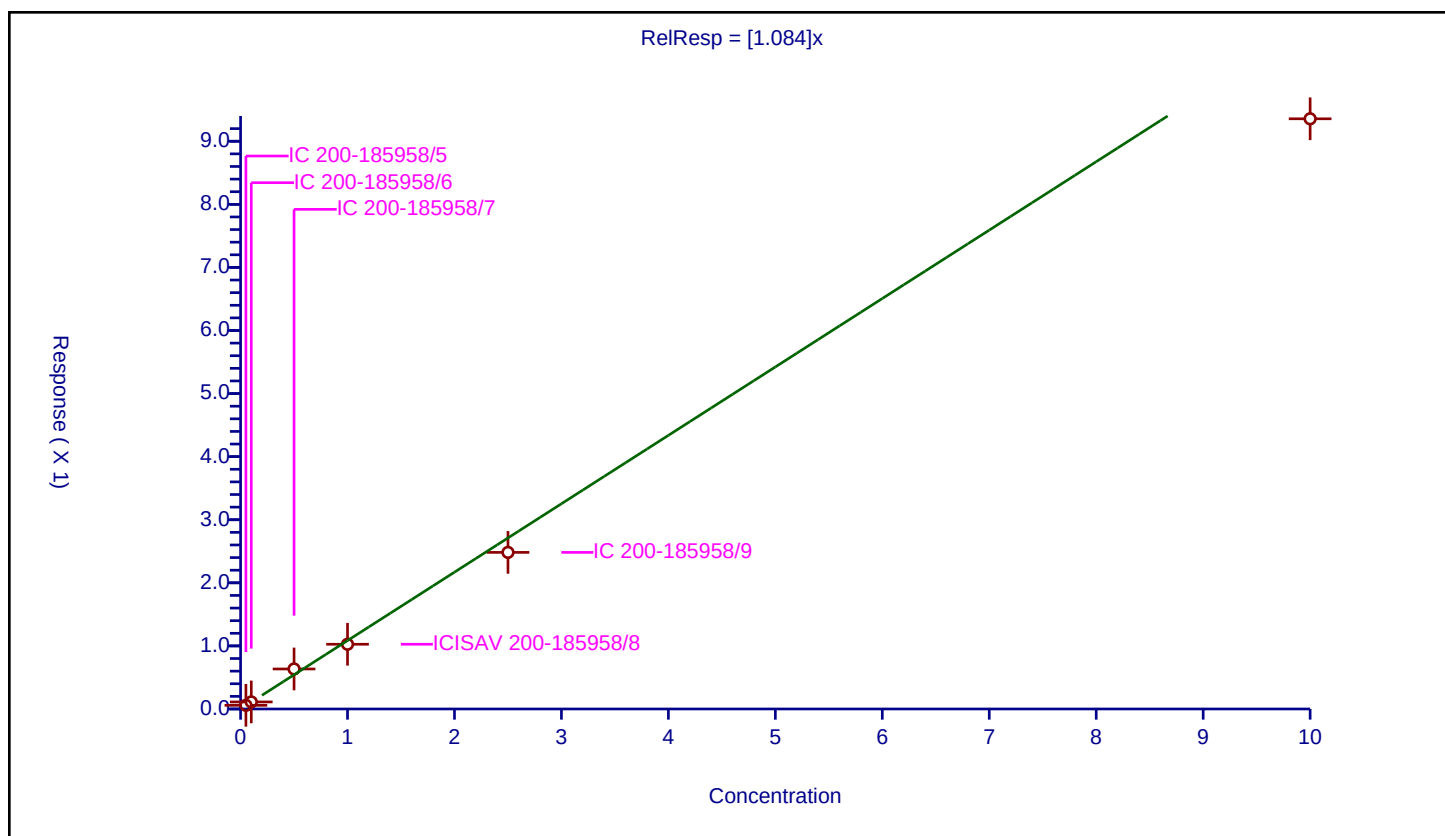
Curve Coefficients

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

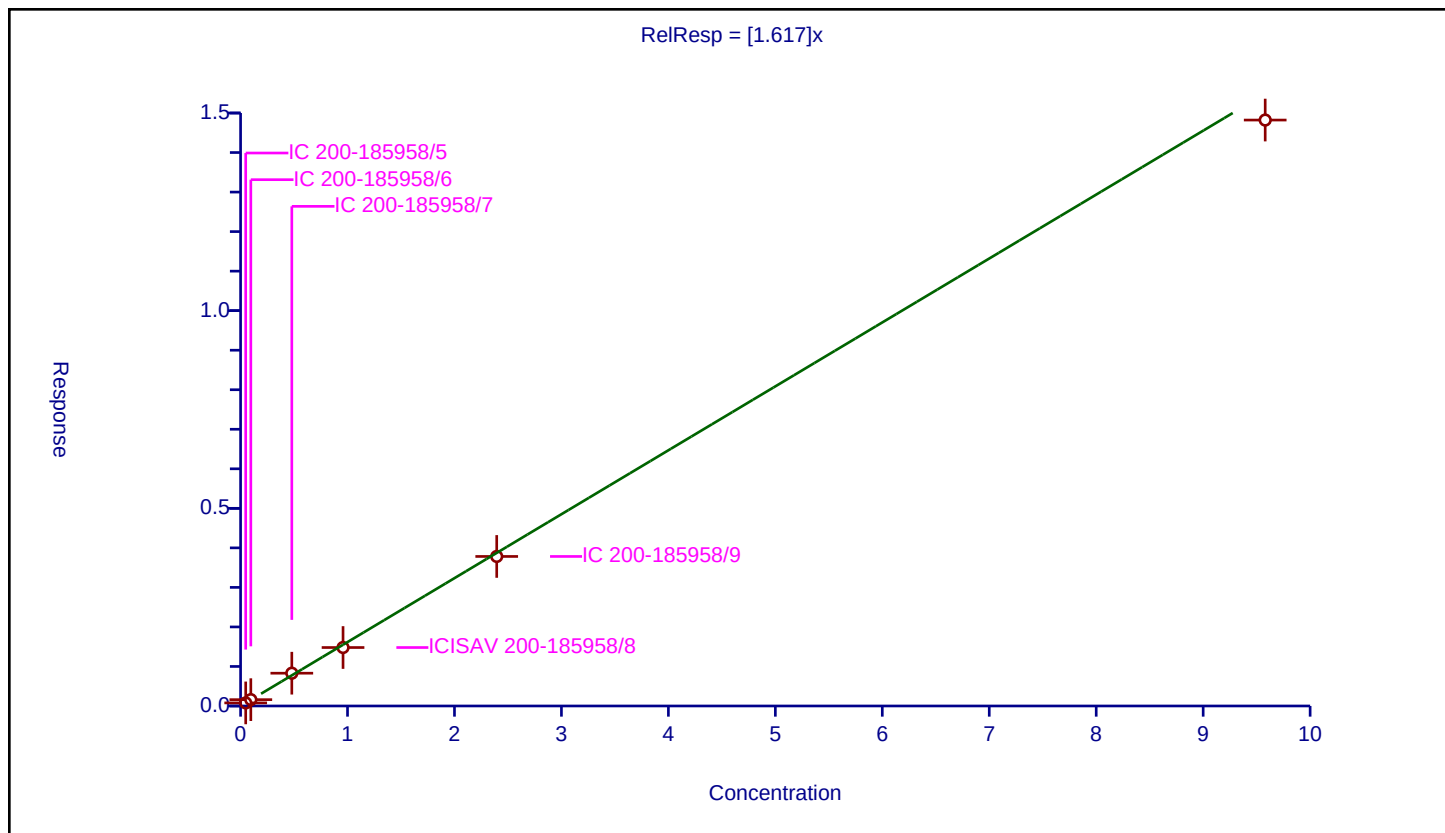
Curve Coefficients

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

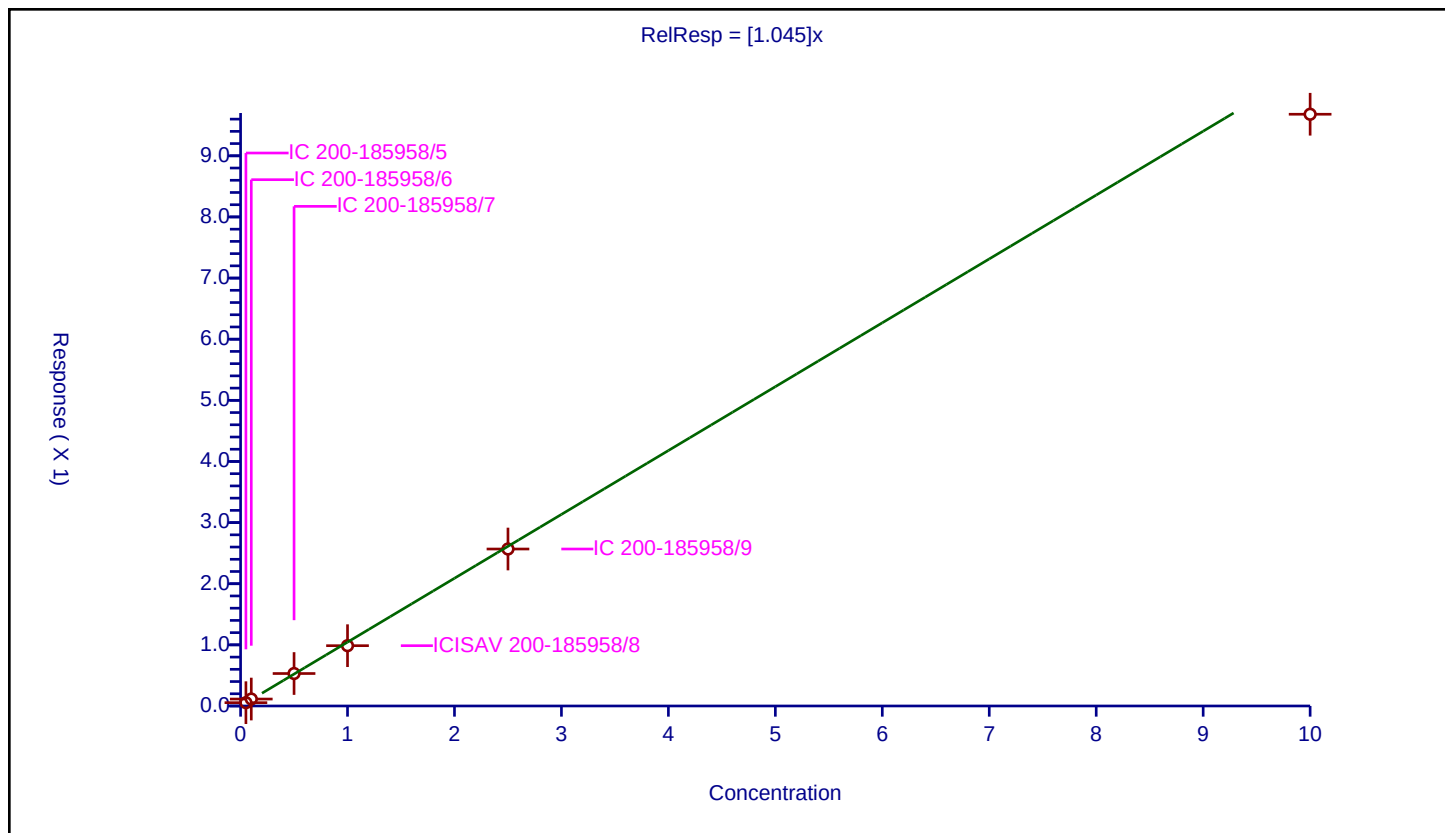
Curve Coefficients

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

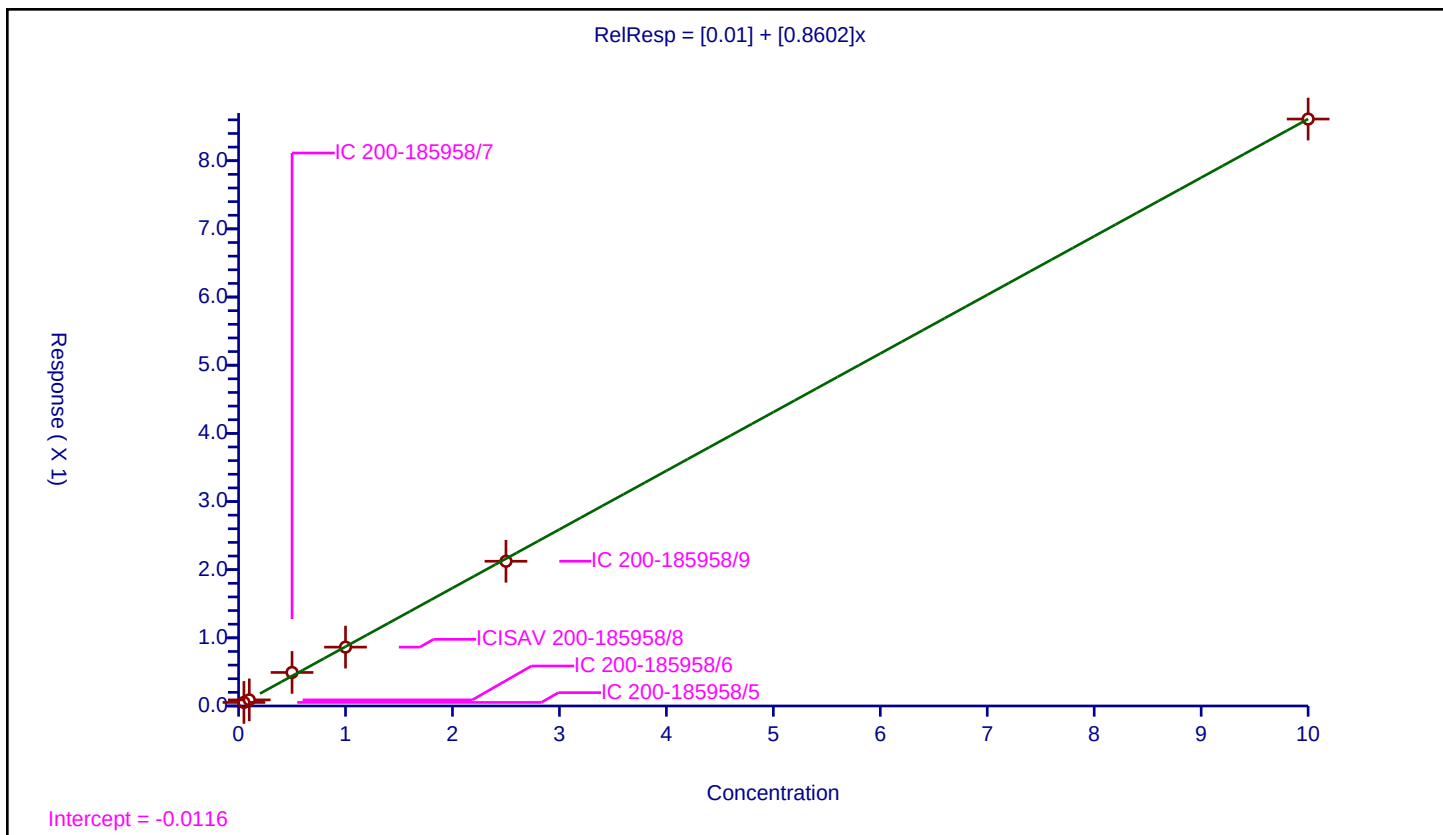
Curve Coefficients

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

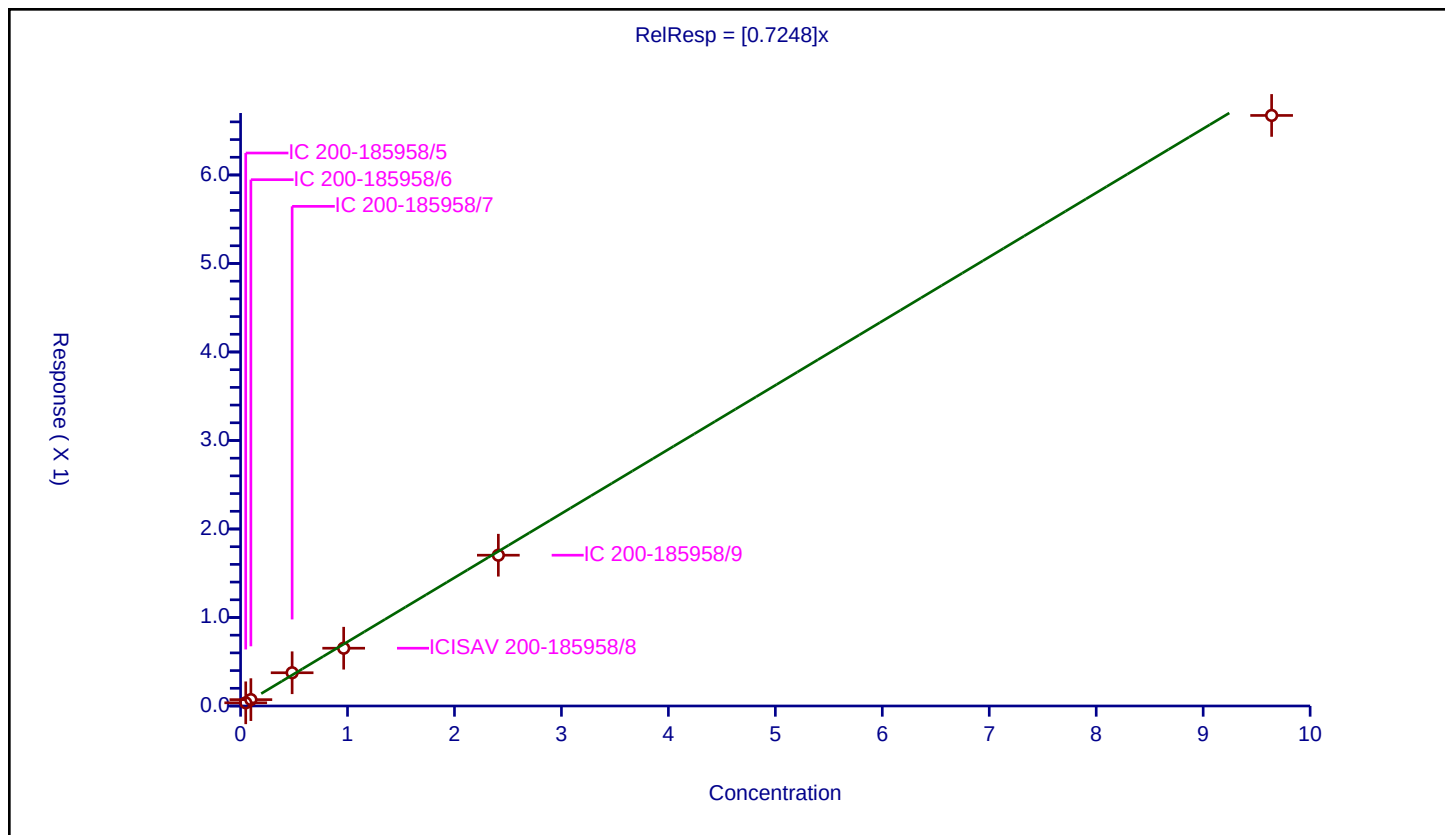
Curve Coefficients

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

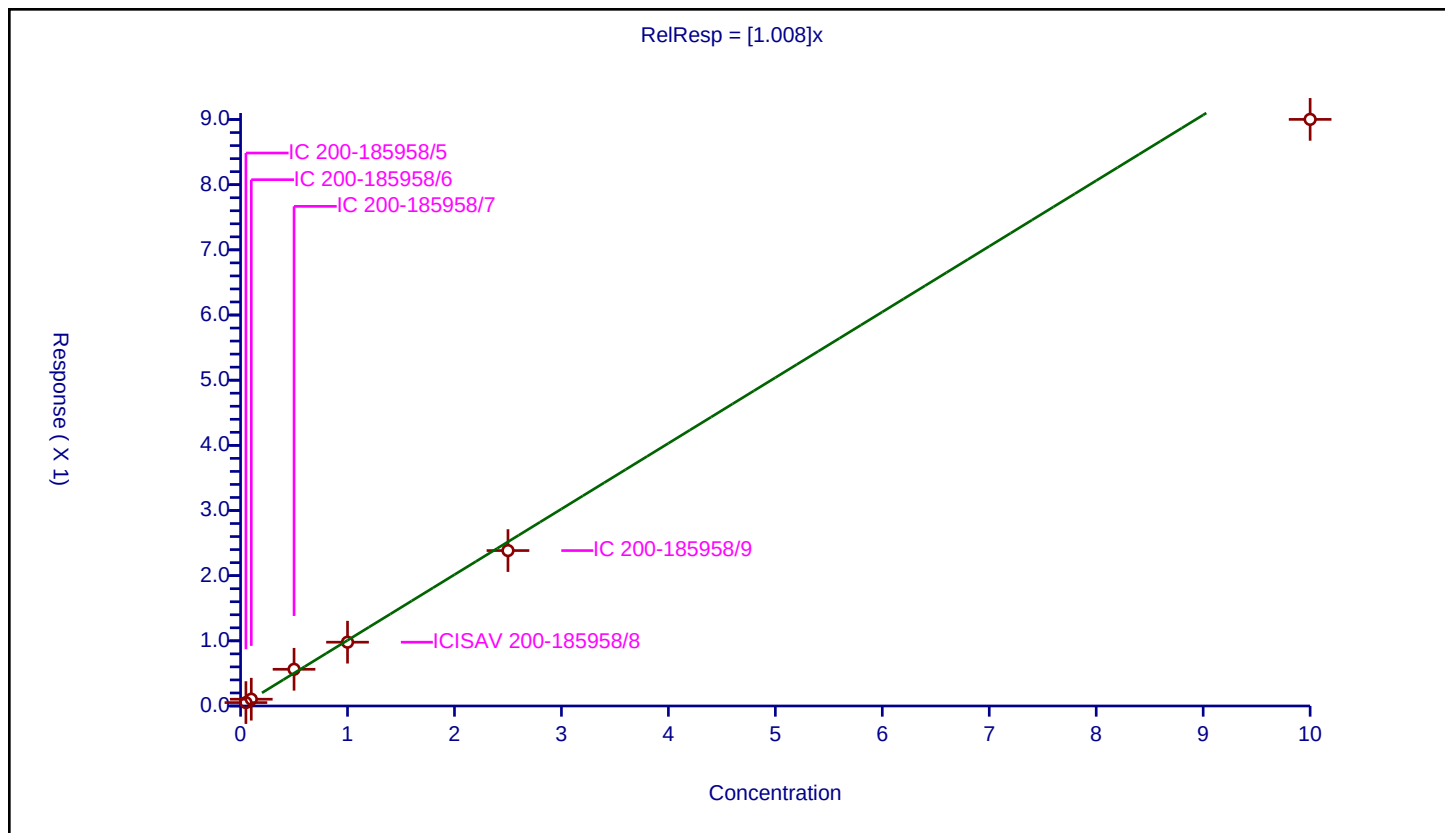
Curve Coefficients

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

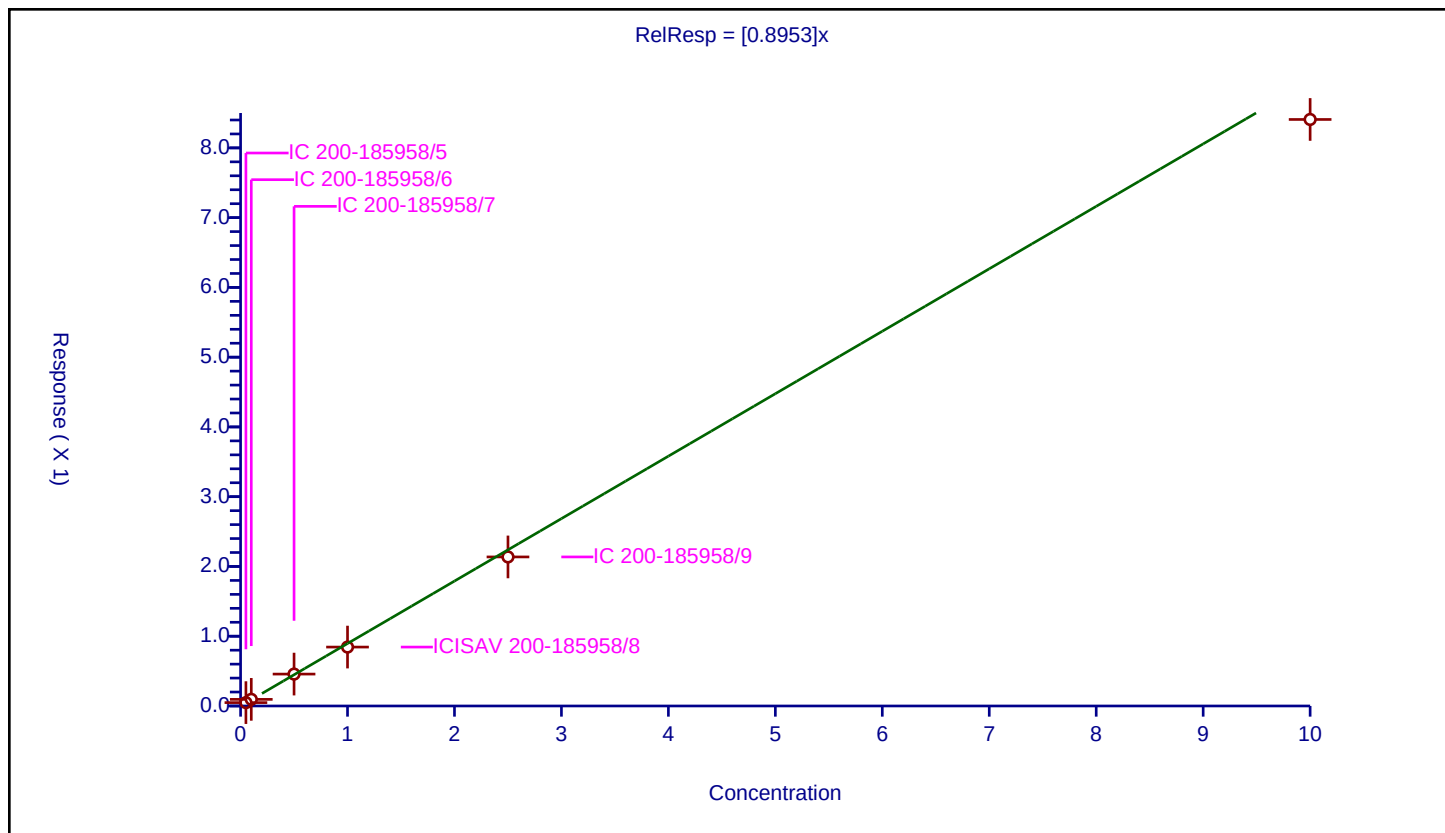
Curve Coefficients

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

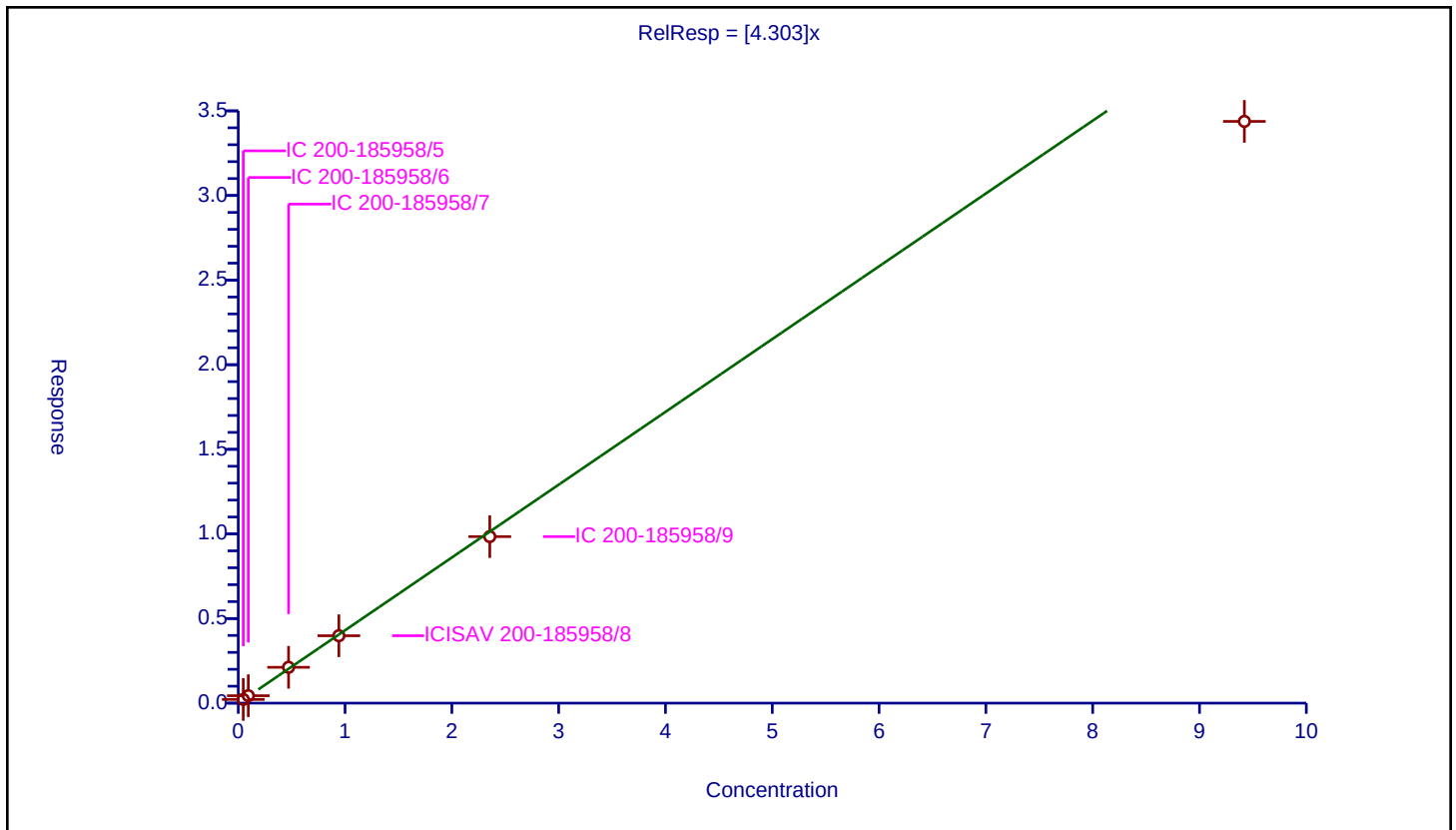
Curve Coefficients

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

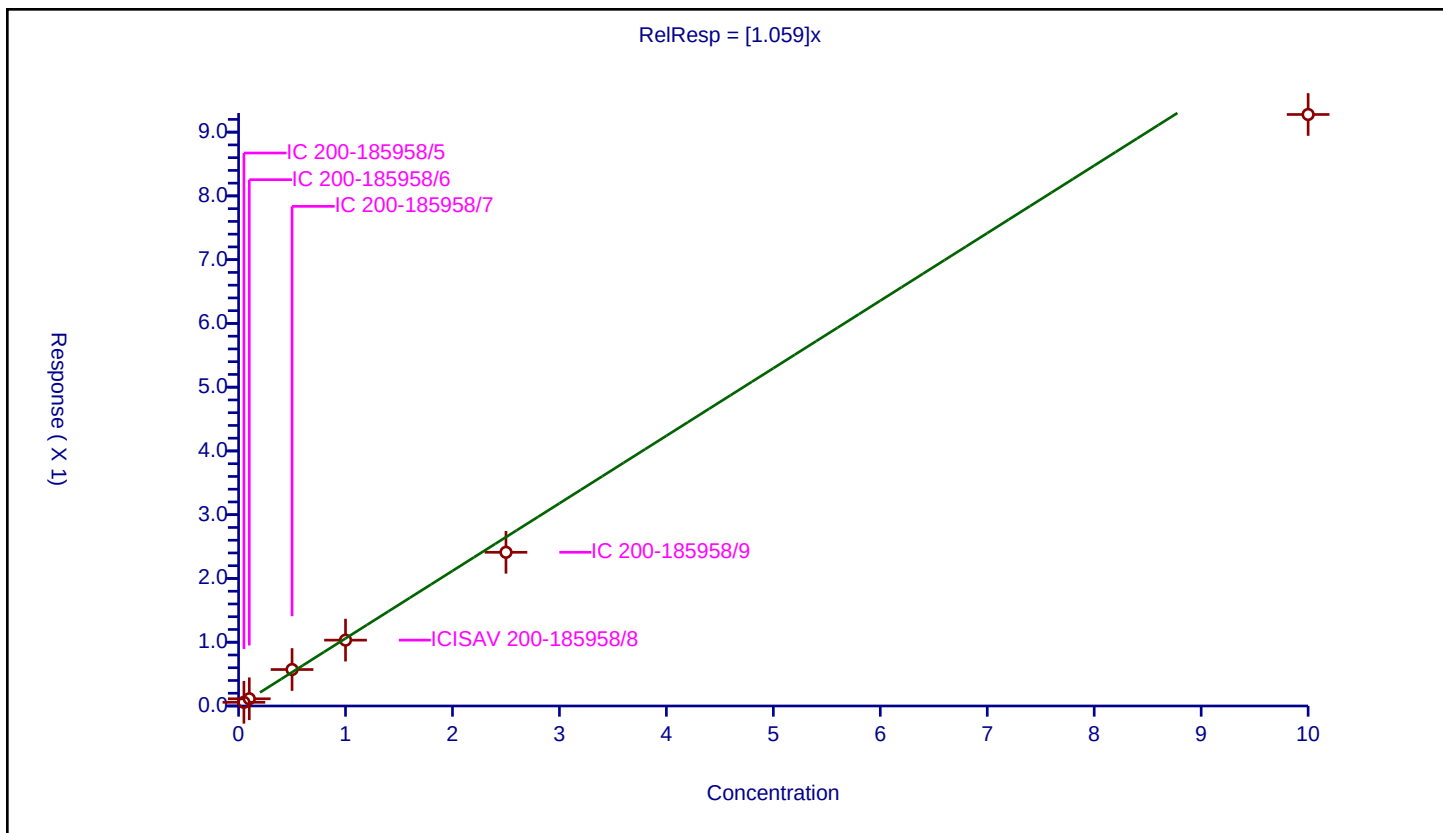
Curve Coefficients

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

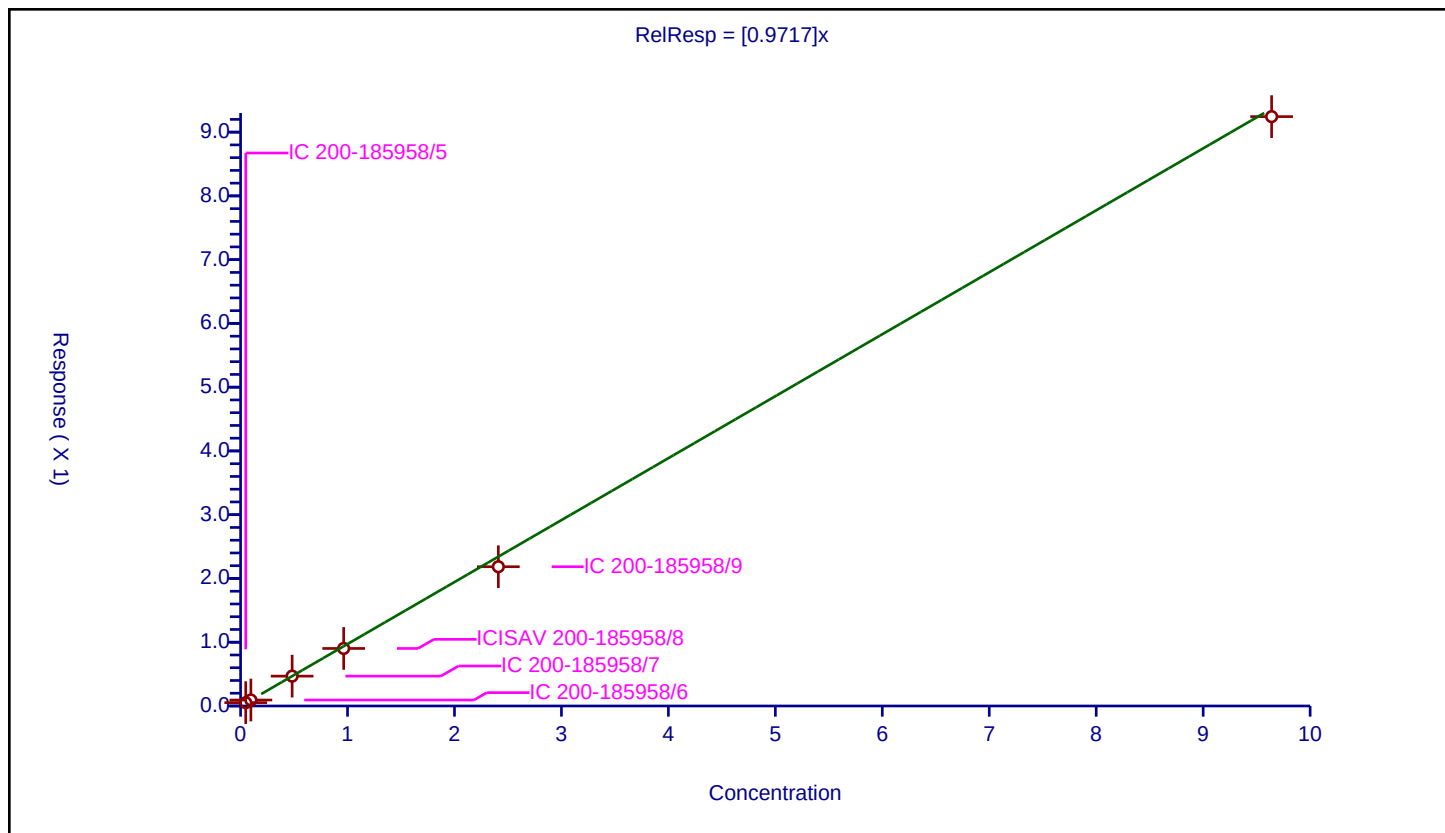
Curve Coefficients

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

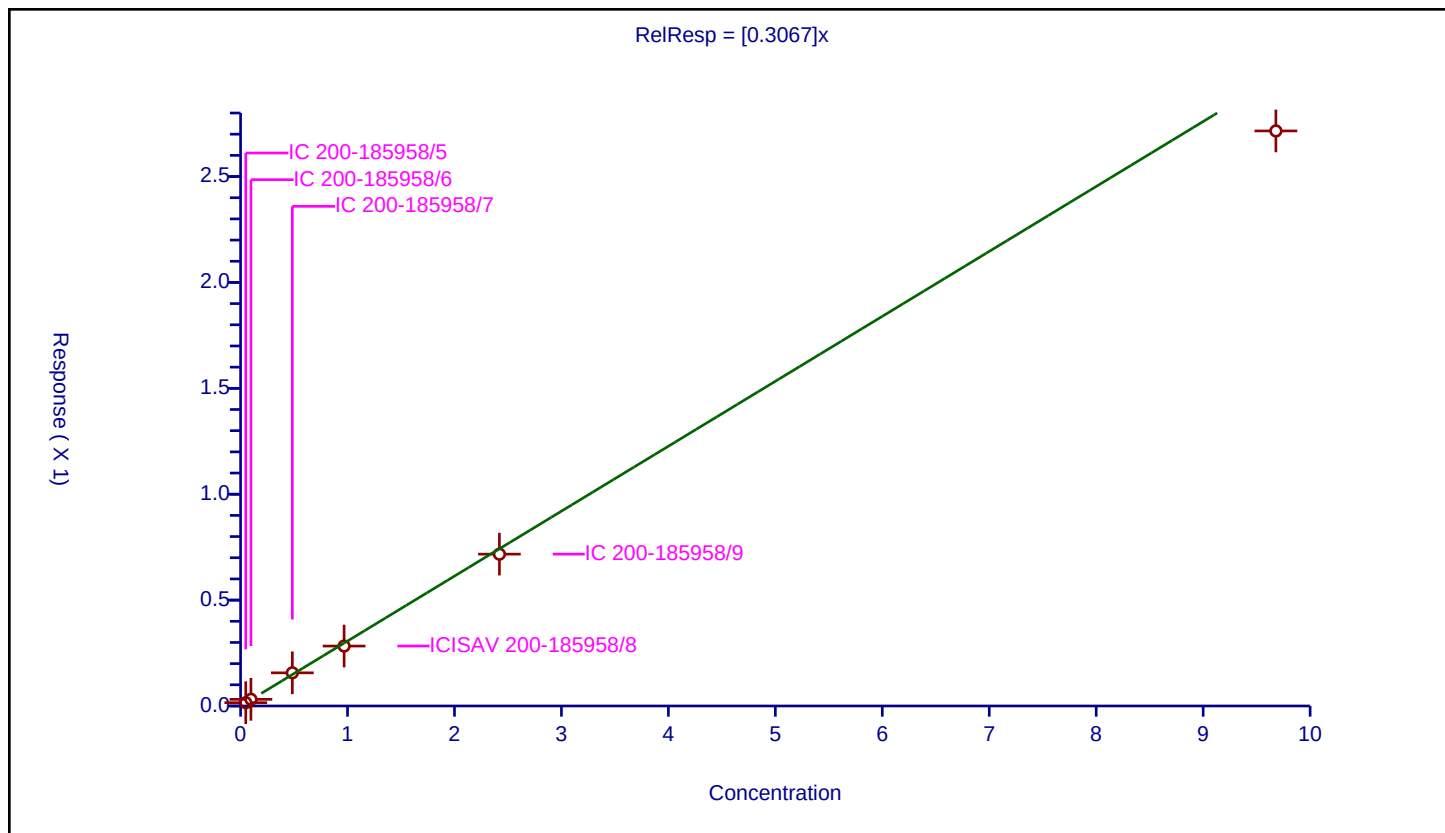
Curve Coefficients

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

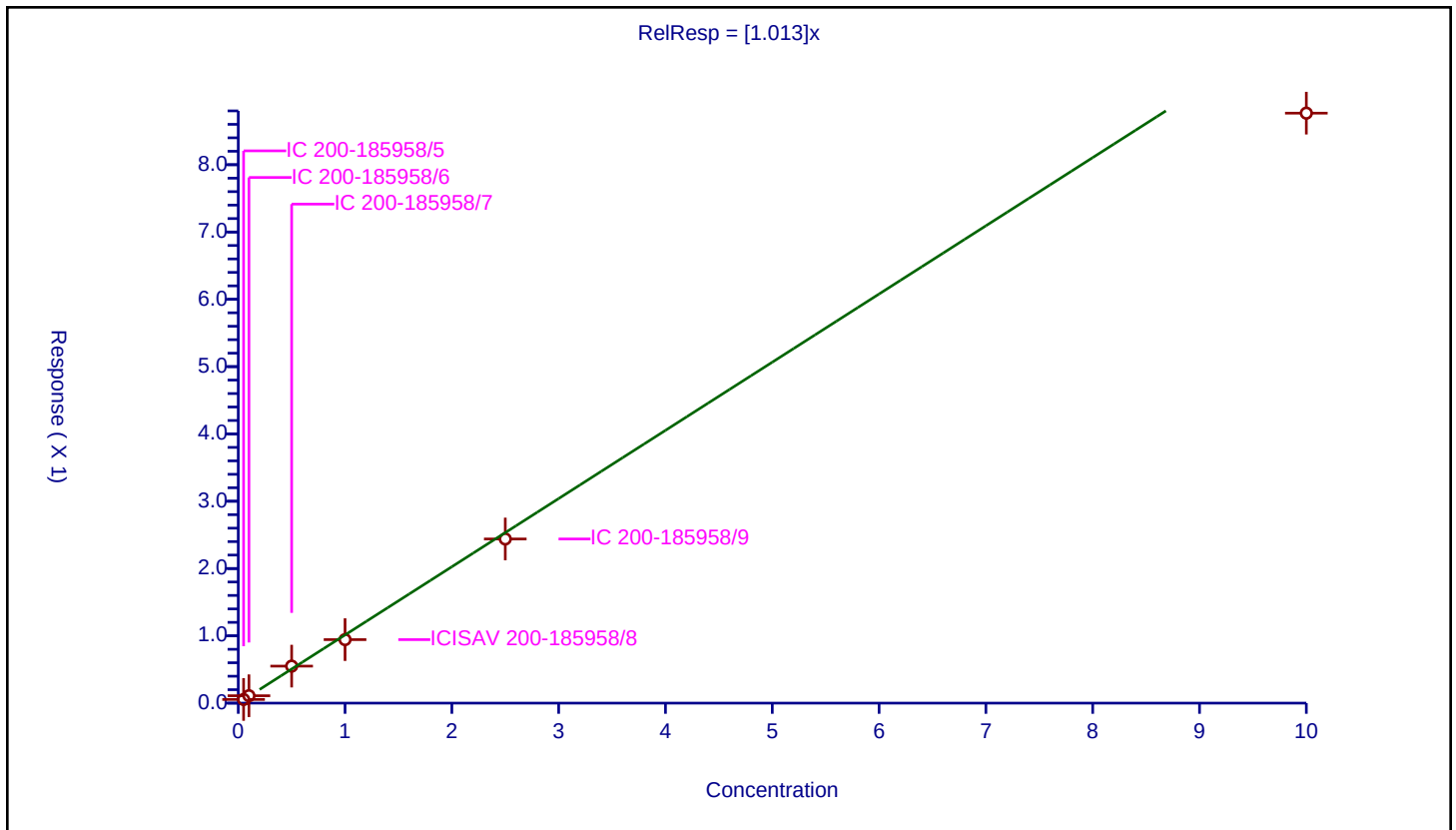
Curve Coefficients

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

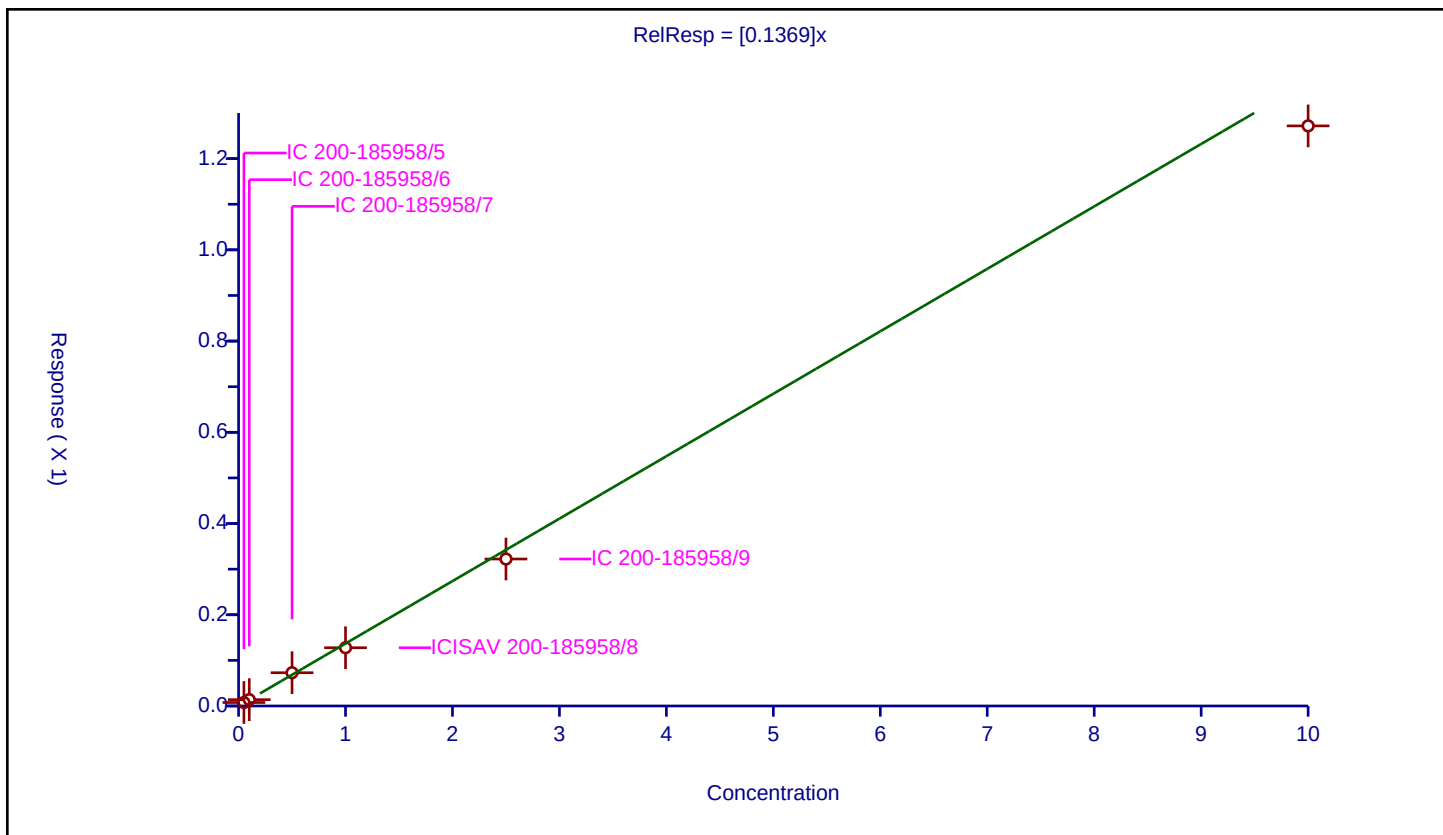
Curve Coefficients

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

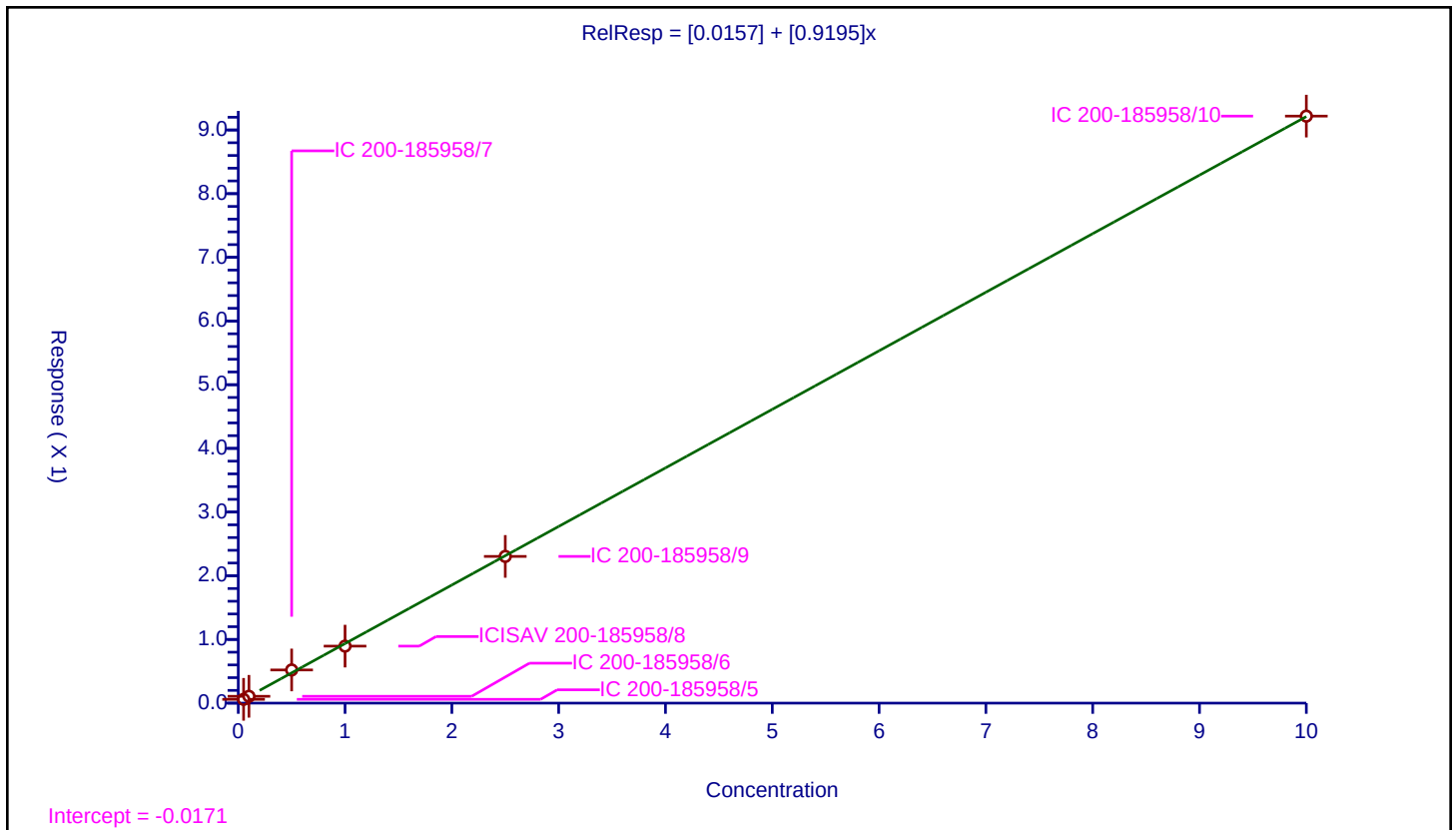
Curve Coefficients

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

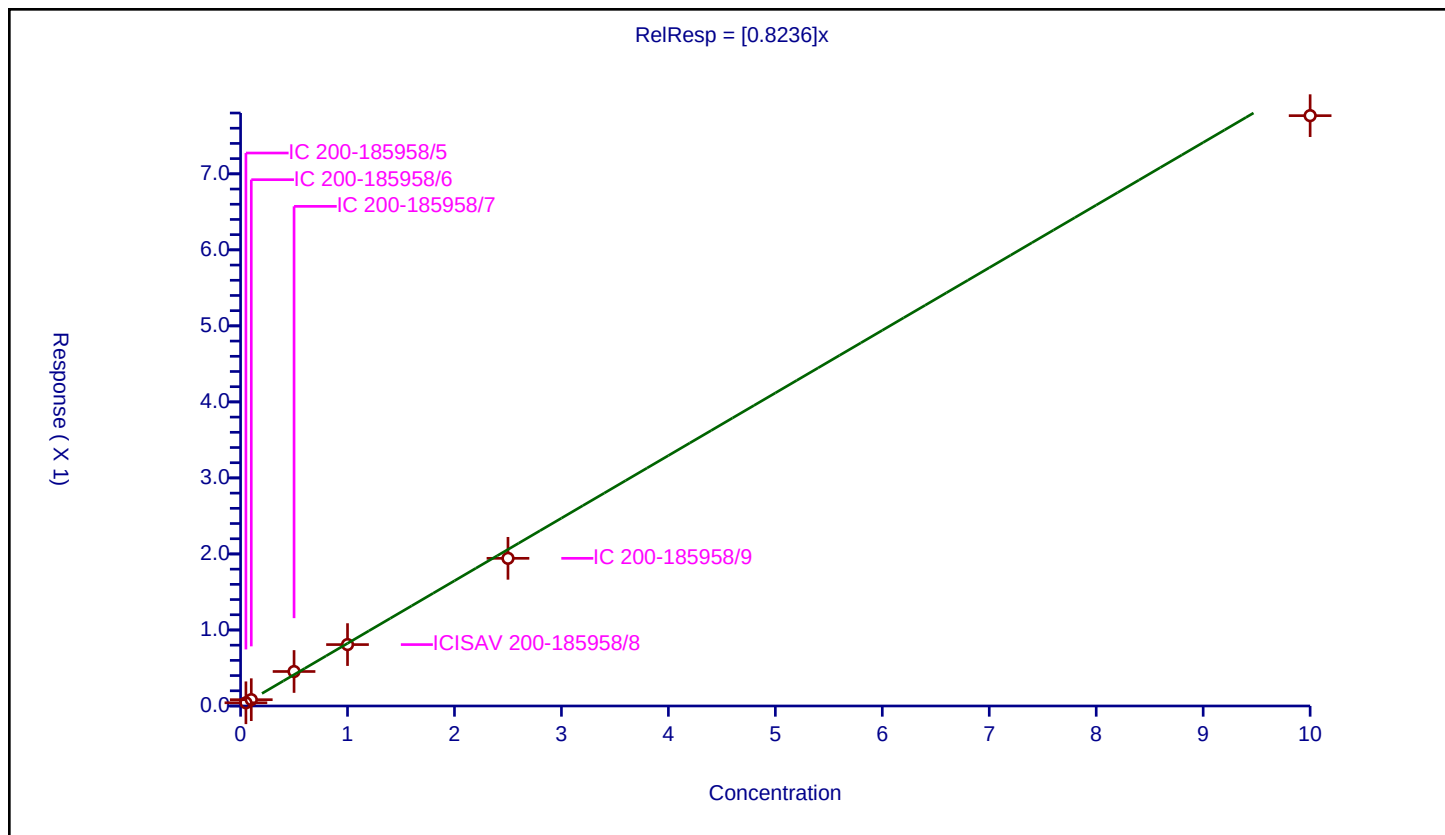
Curve Coefficients

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.: 460-269761-1

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.: 460-269761-1
 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

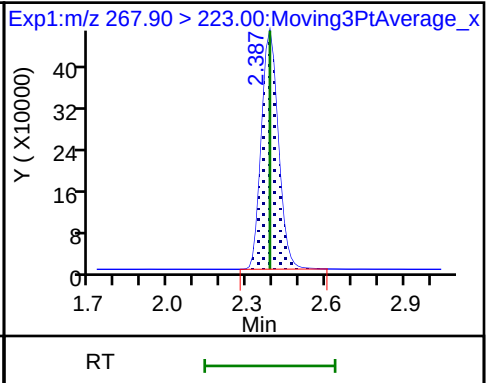
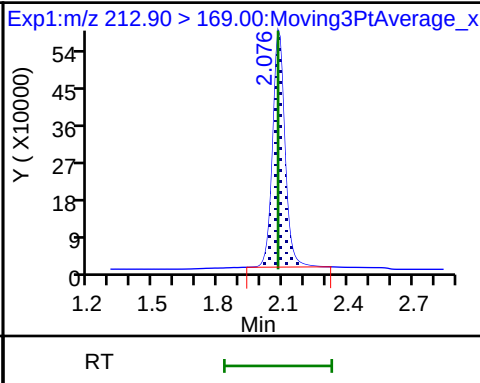
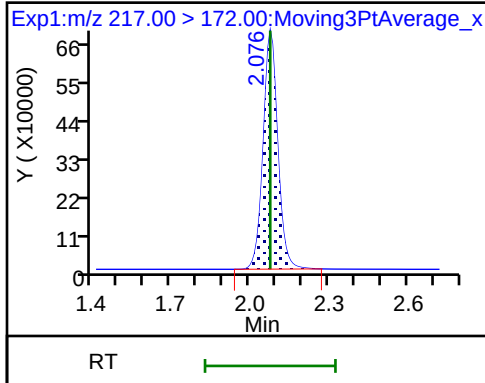
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA (M)

2 Perfluorobutanoic acid (M)

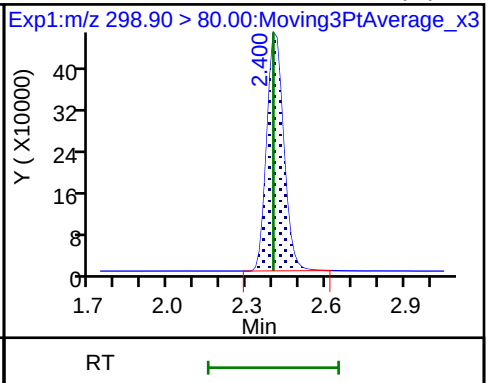
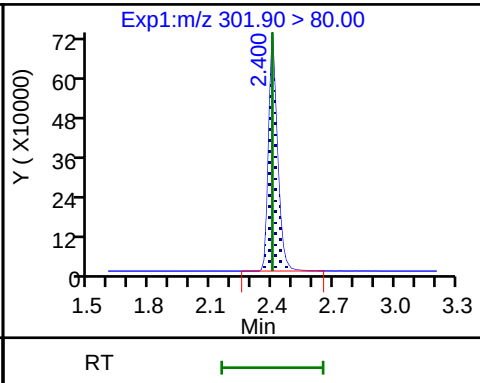
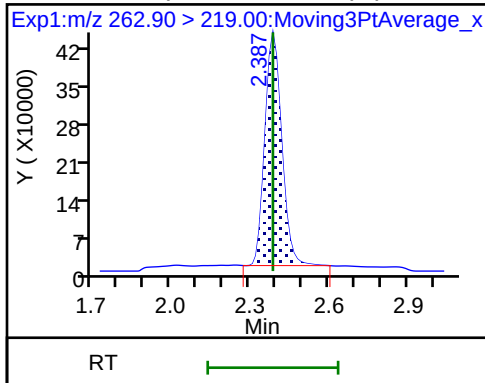
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS

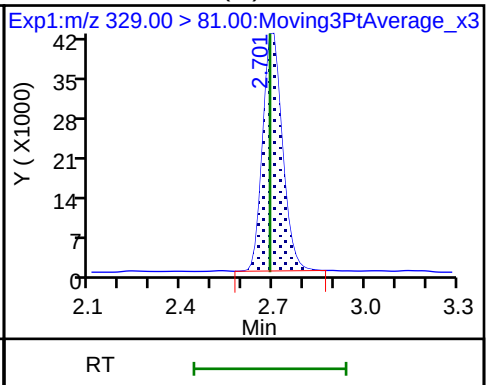
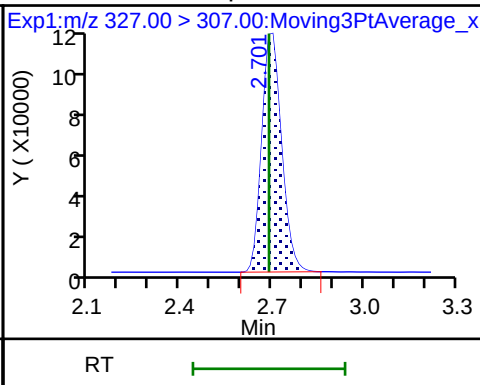
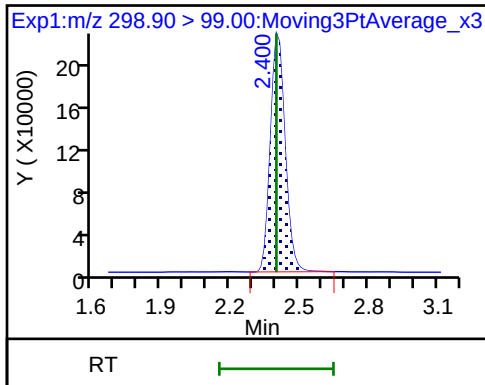
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid

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

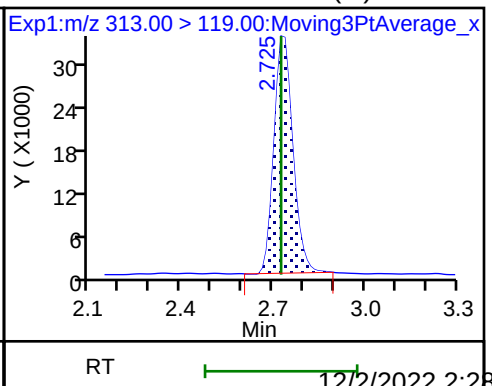
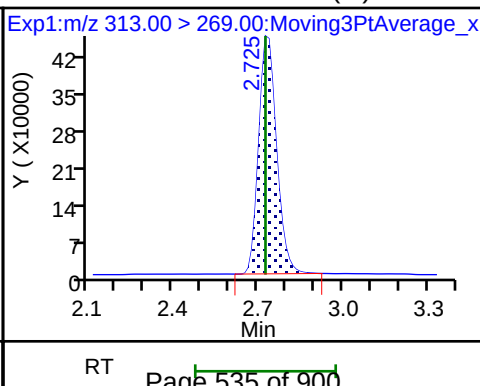
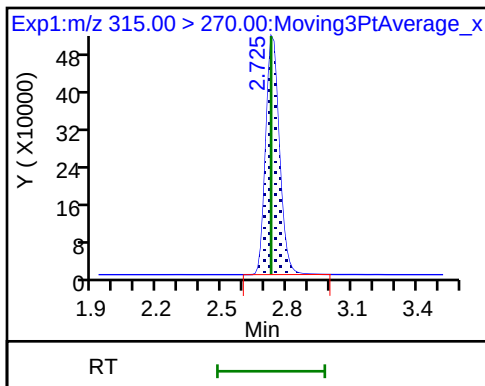
D 60 M2-4:2 FTS (M)

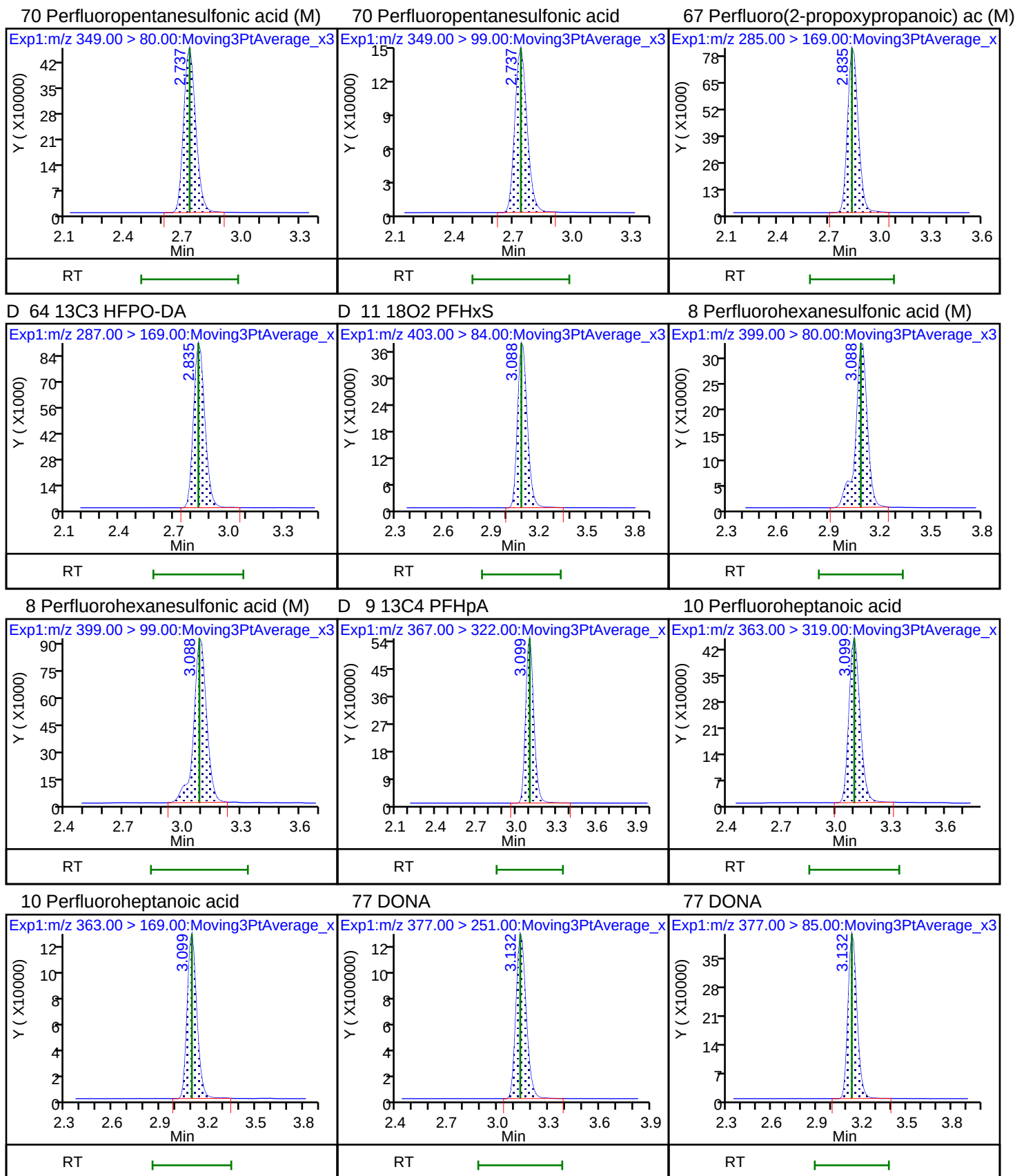


D 7 13C2 PFHxA

6 Perfluorohexanoic acid (M)

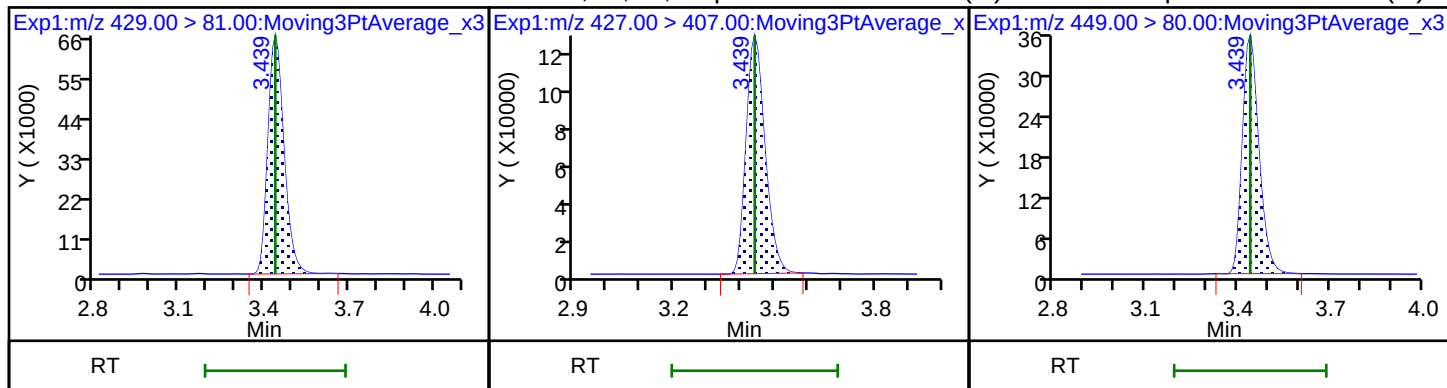
6 Perfluorohexanoic acid (M)





D 12 M2-6:2 FTS

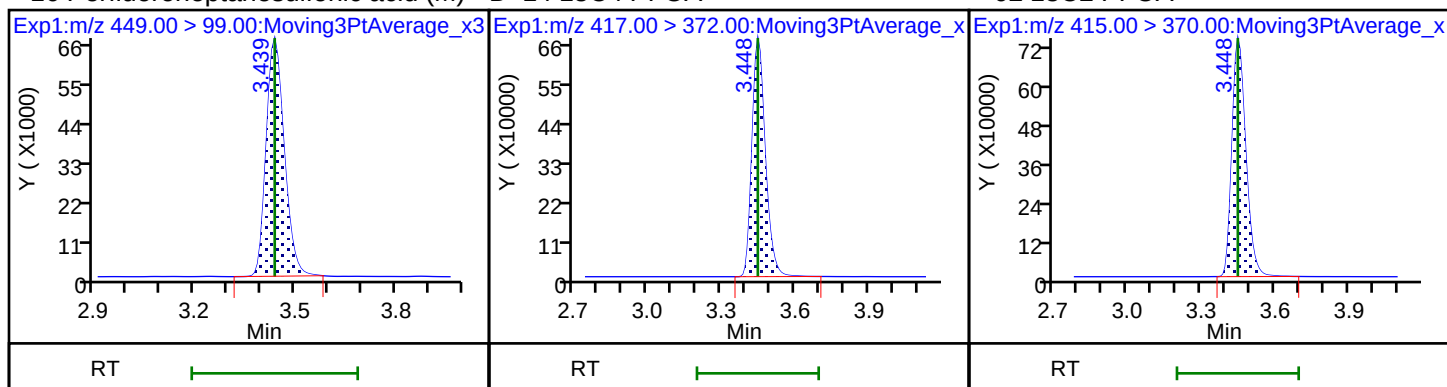
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

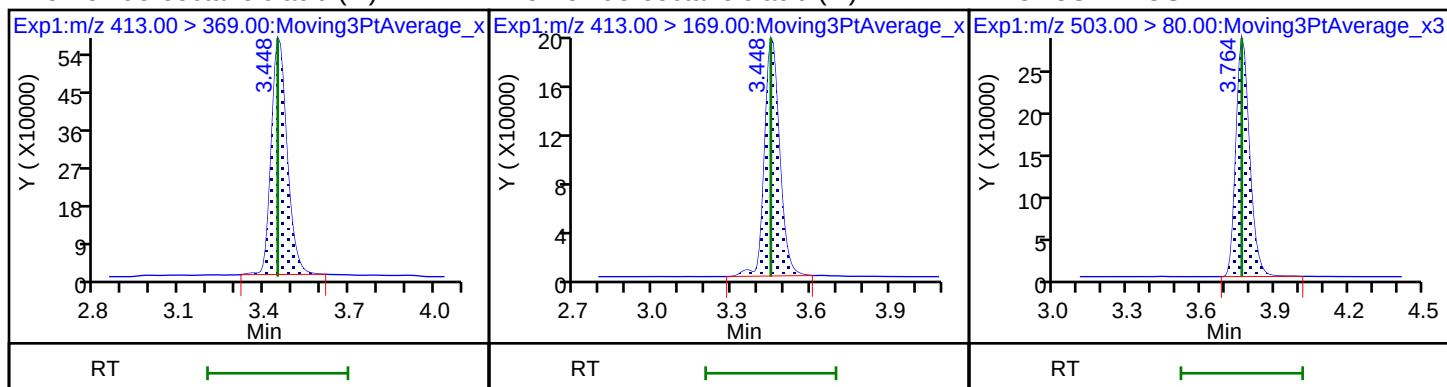
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

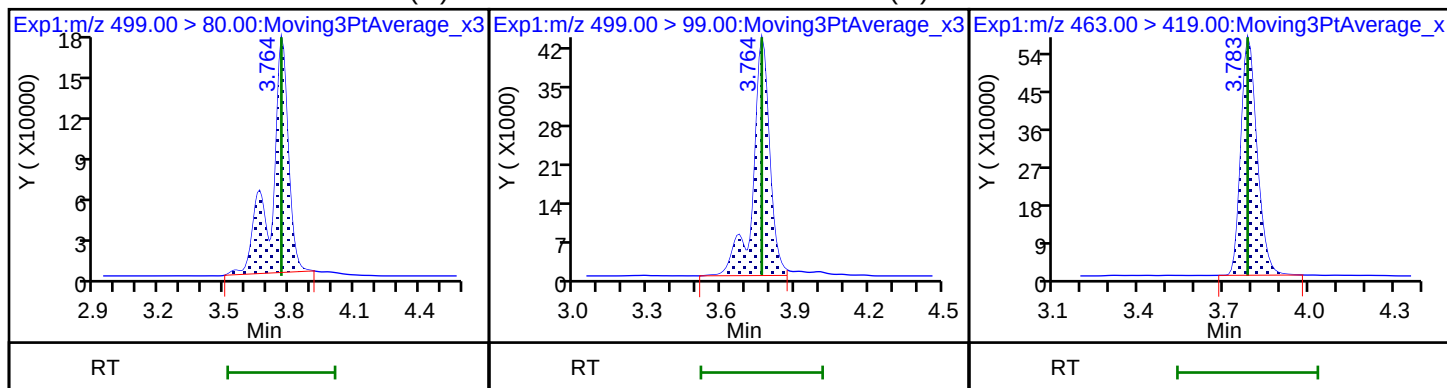
D 18 13C4 PFOS

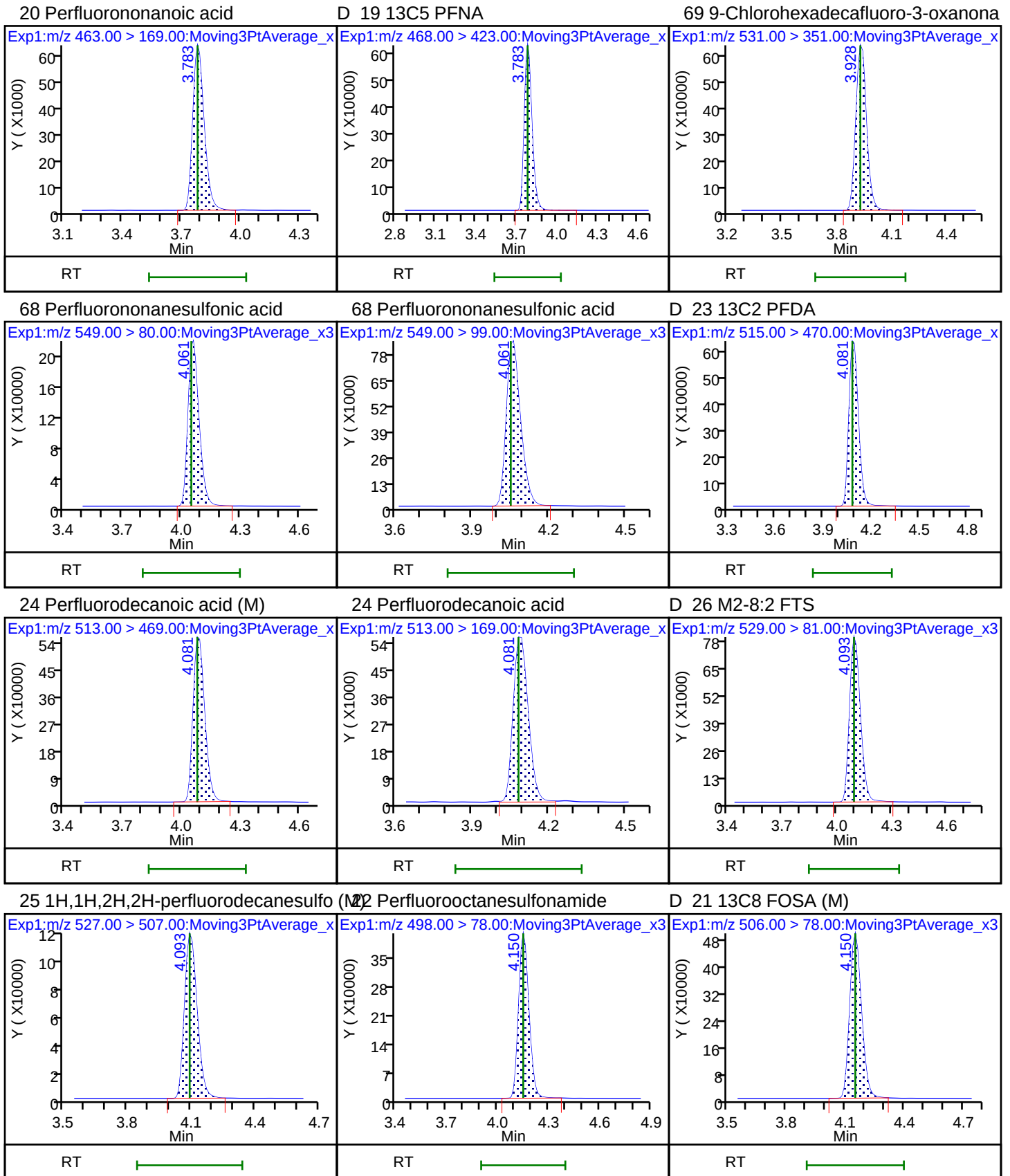


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

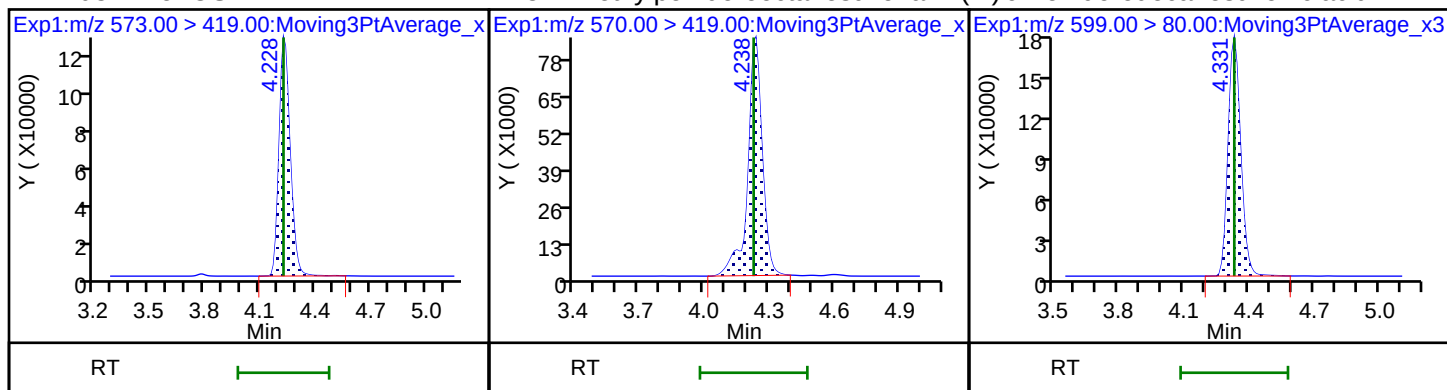
20 Perfluorononanoic acid





D 27 d3-NMeFOSAA

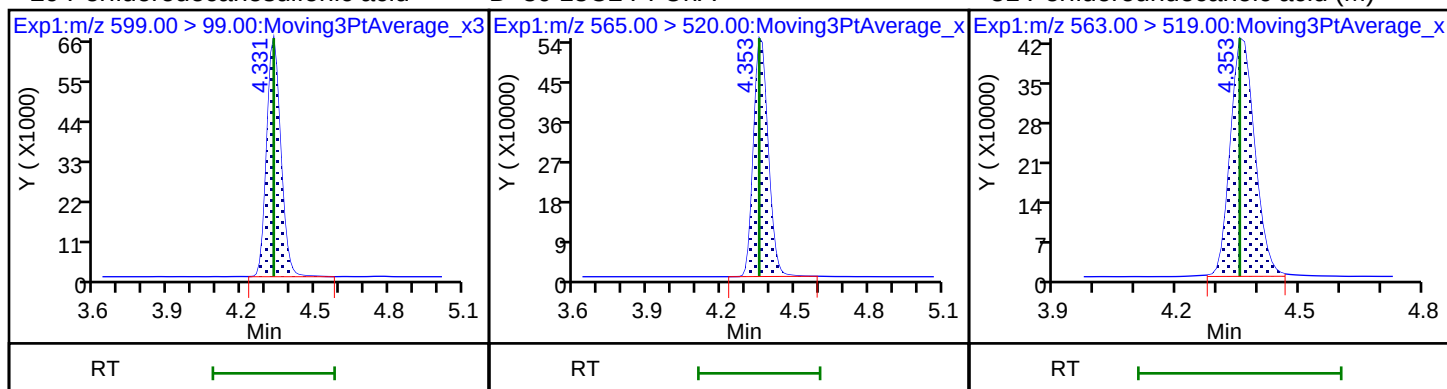
28 N-methylperfluorooctanesulfonami (M) 29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid

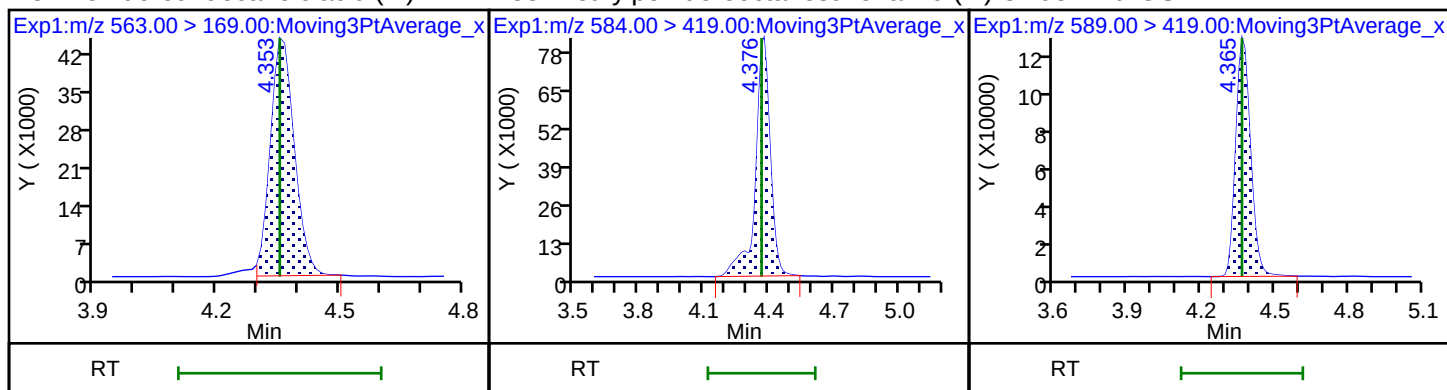
D 30 13C2 PFUa

31 Perfluoroundecanoic acid (M)



31 Perfluoroundecanoic acid (M)

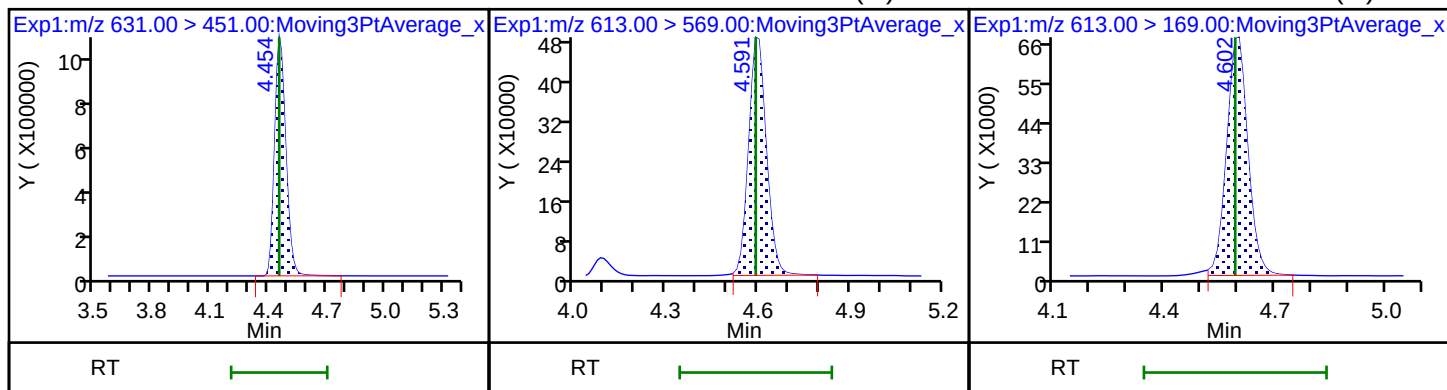
33 N-ethylperfluorooctanesulfonamid (M) 32 d5-NEtFOSAA



66 11-Chloroeicosafluoro-3-oxaundec

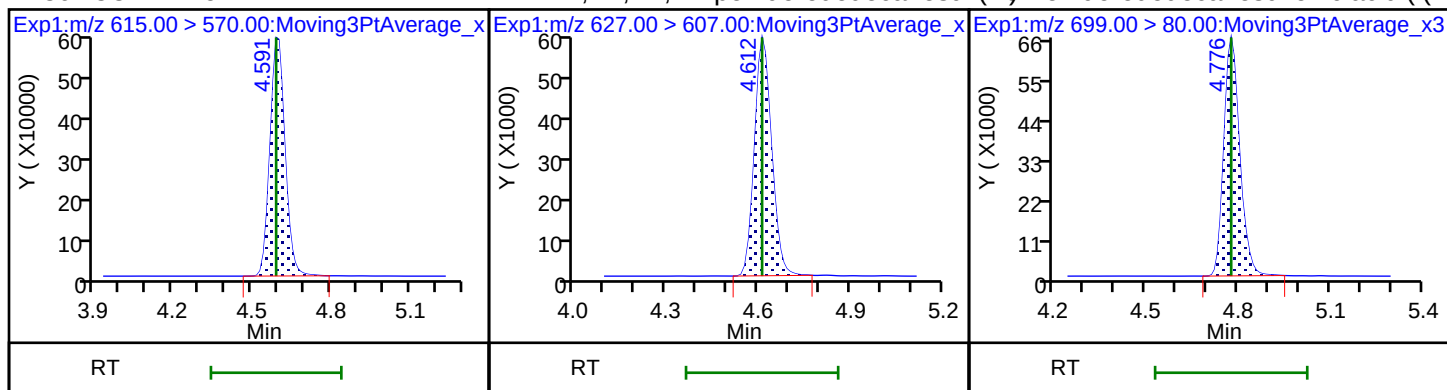
37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid (M)



D 36 13C2 PFDaA

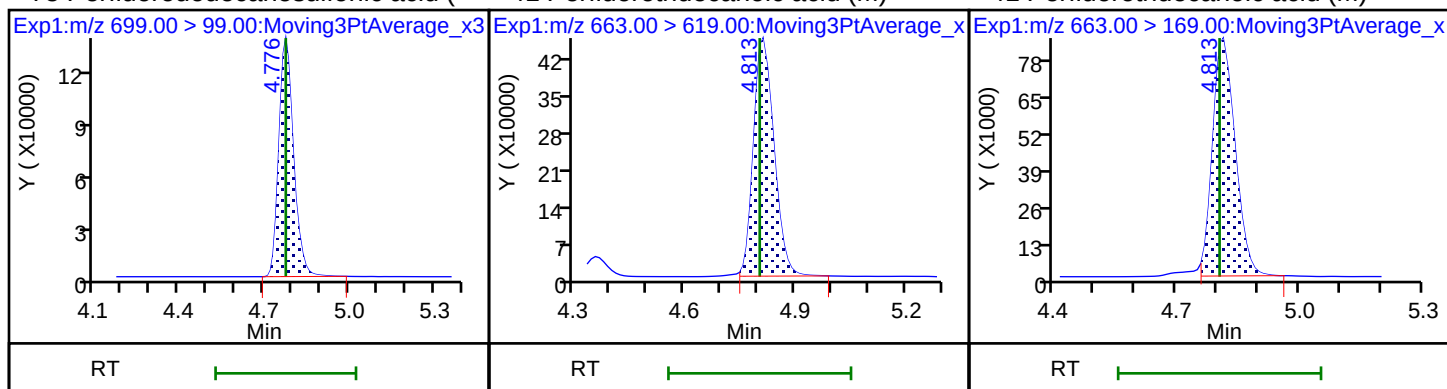
74 1H,1H,2H,2H-perfluorododecanesul (M) 75 Perfluorododecanesulfonic acid (M)



75 Perfluorododecanesulfonic acid (

41 Perfluorotridecanoic acid (M)

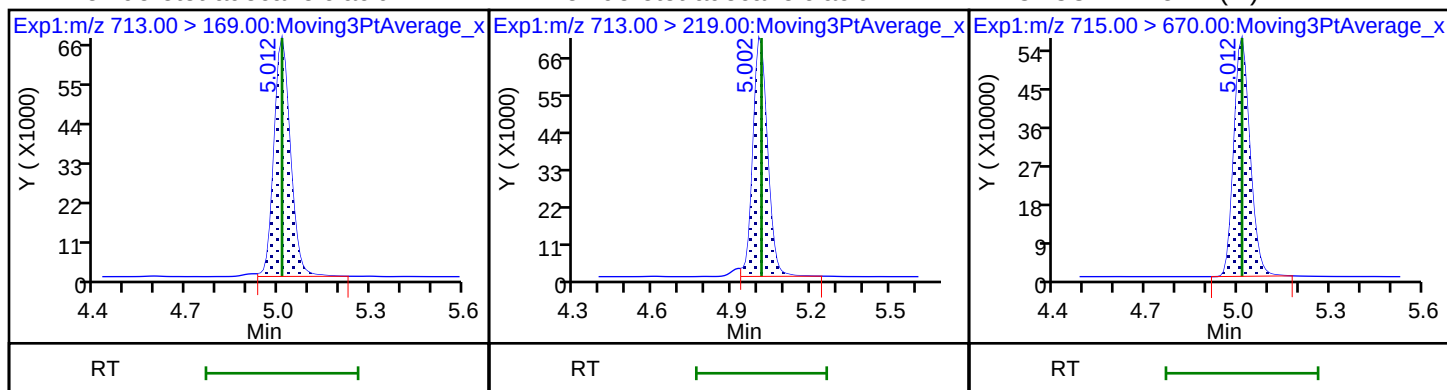
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid

42 Perfluorotetradecanoic acid

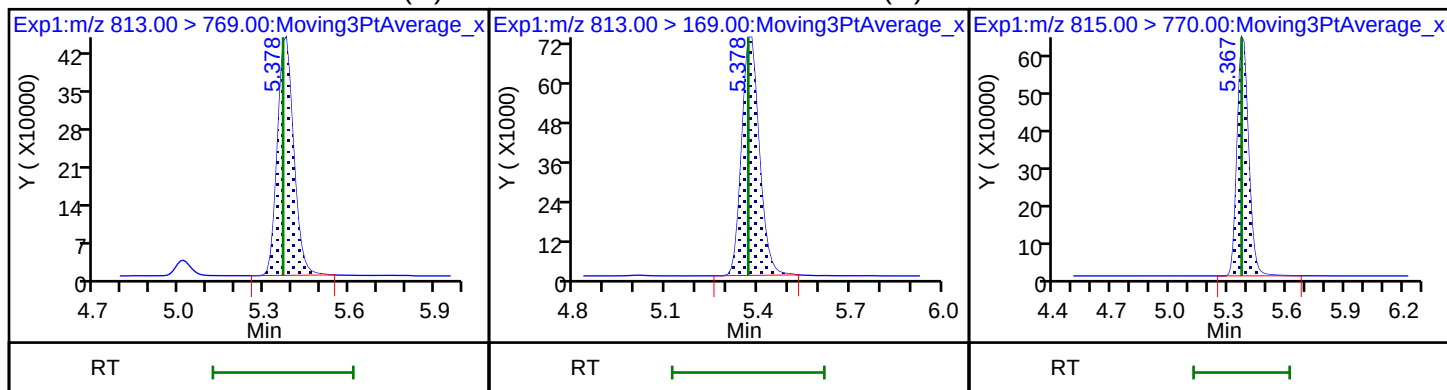
D 43 13C2 PFTeDA (M)



45 Perfluorohexadecanoic acid (M)

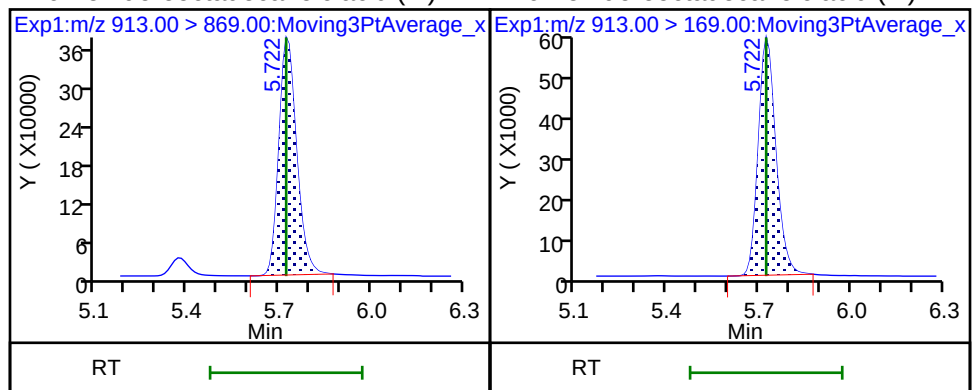
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



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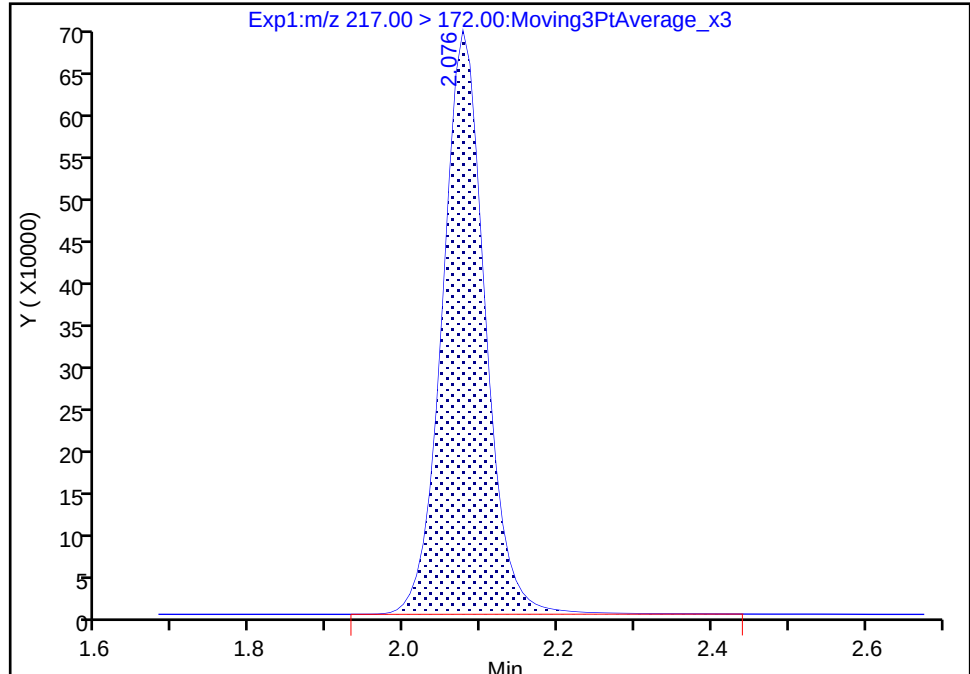
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

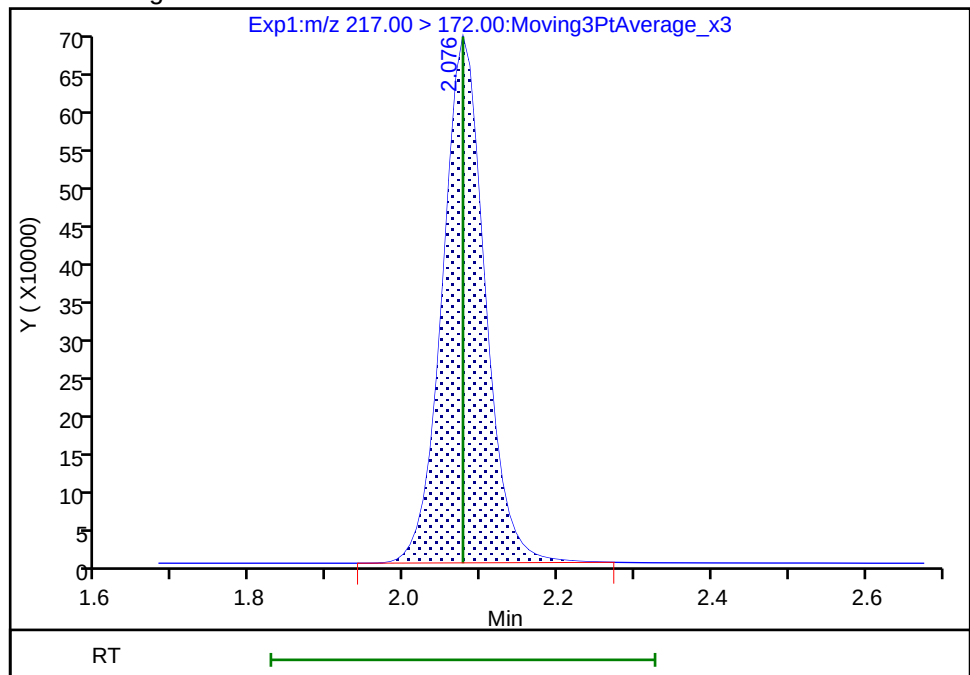
RT: 2.08
Area: 2683228
Amount: 1.030340
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 2670376
Amount: 1.025405
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:27:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

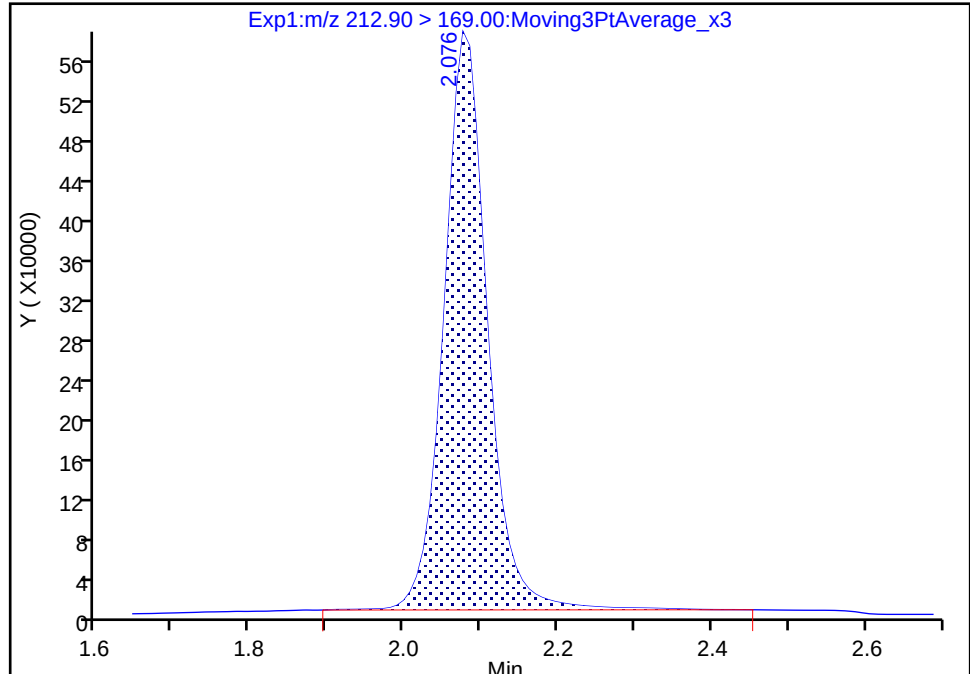
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

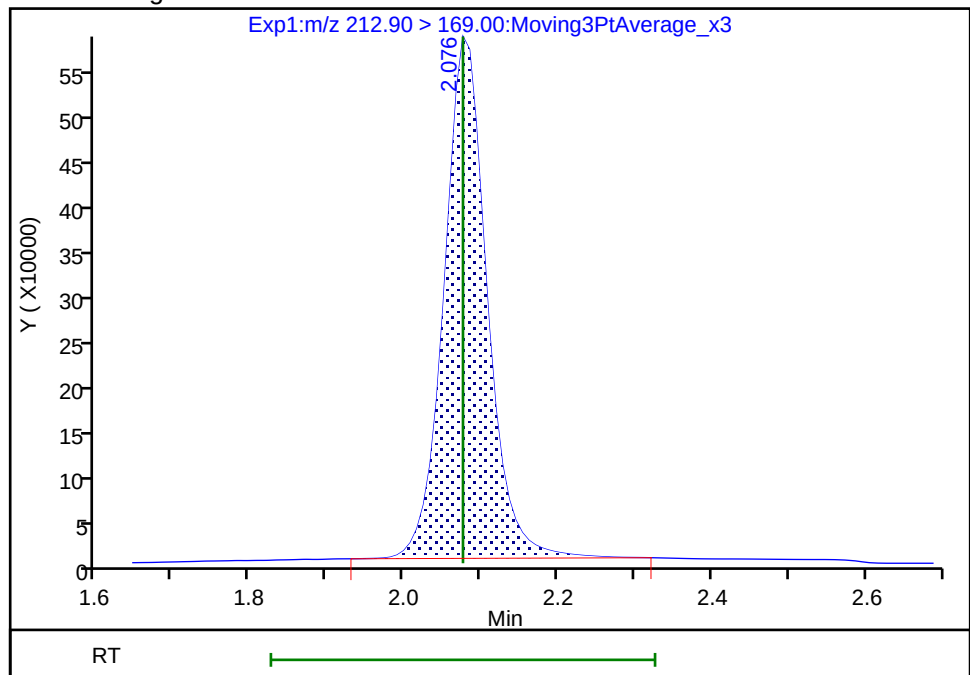
RT: 2.08
Area: 2274782
Amount: 1.032610
Amount Units: ng/ml

Processing Integration Results



RT: 2.08
Area: 2244563
Amount: 1.018892
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:27:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

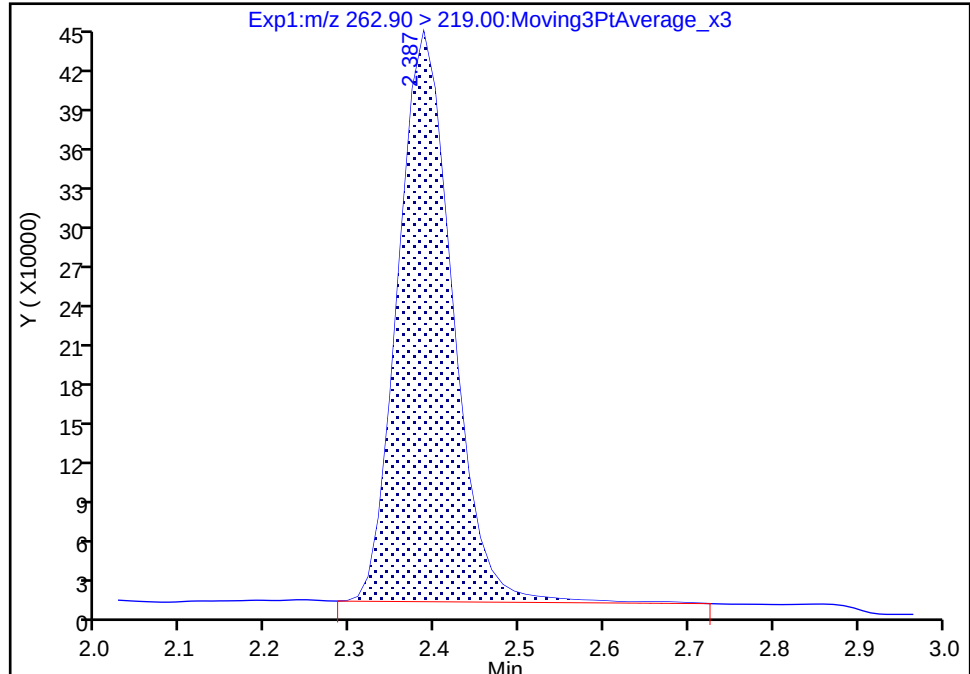
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Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

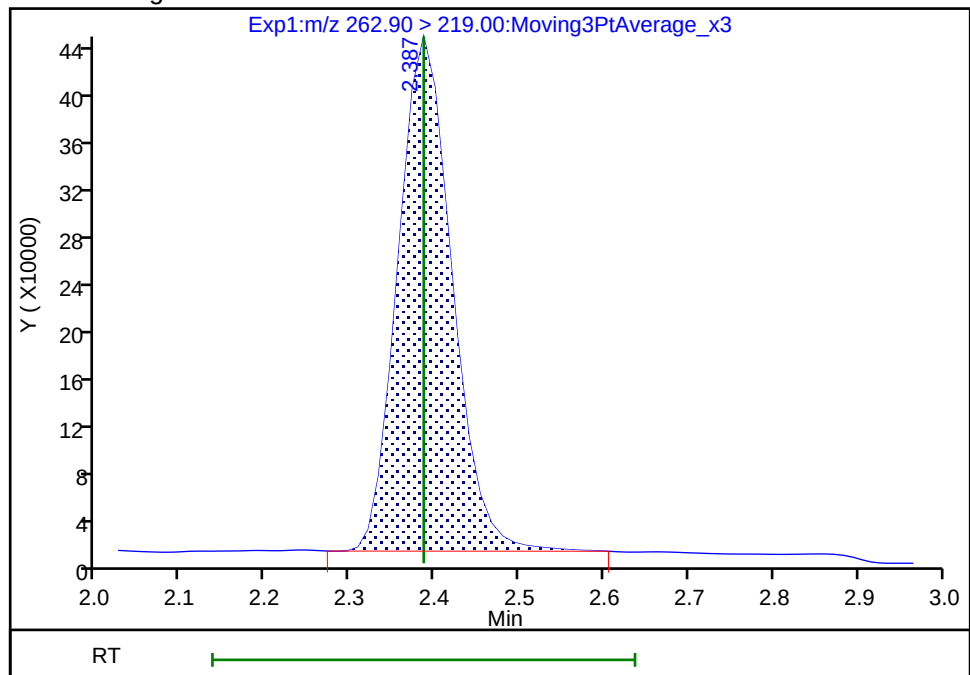
RT: 2.39
Area: 1952031
Amount: 1.086518
Amount Units: ng/ml

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
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PM

Eurofins Burlington

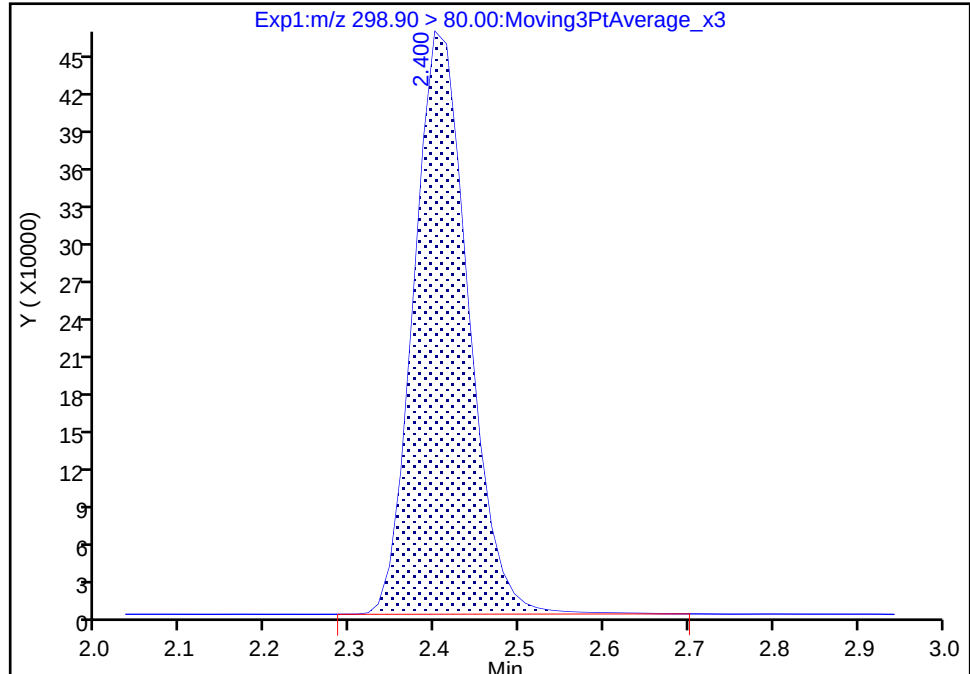
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Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

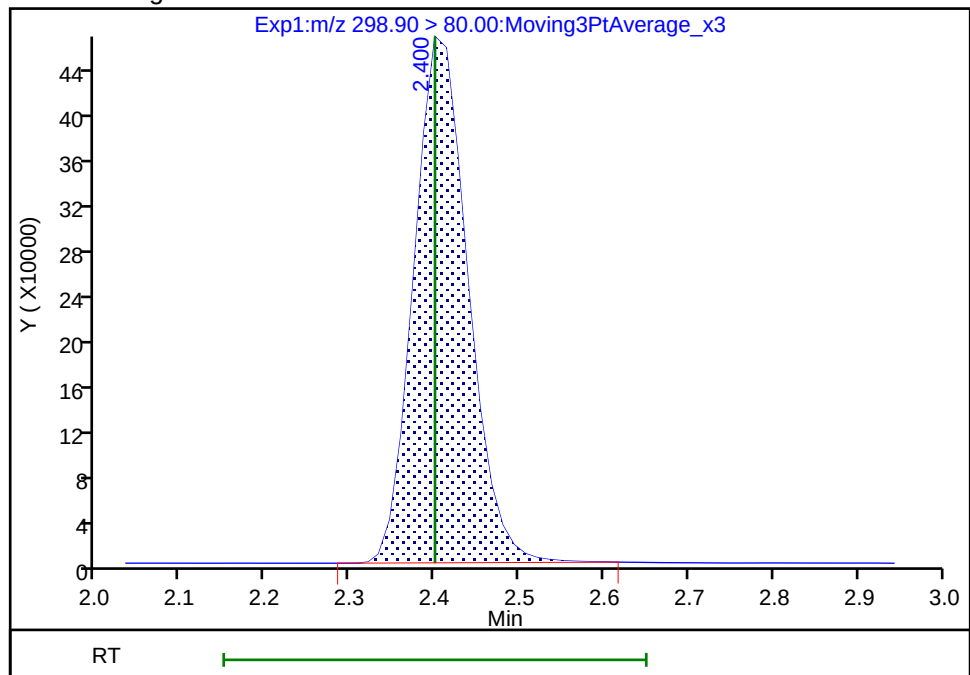
RT: 2.40
Area: 2078717
Amount: 0.981767
Amount Units: ng/ml

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
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PM

Eurofins Burlington

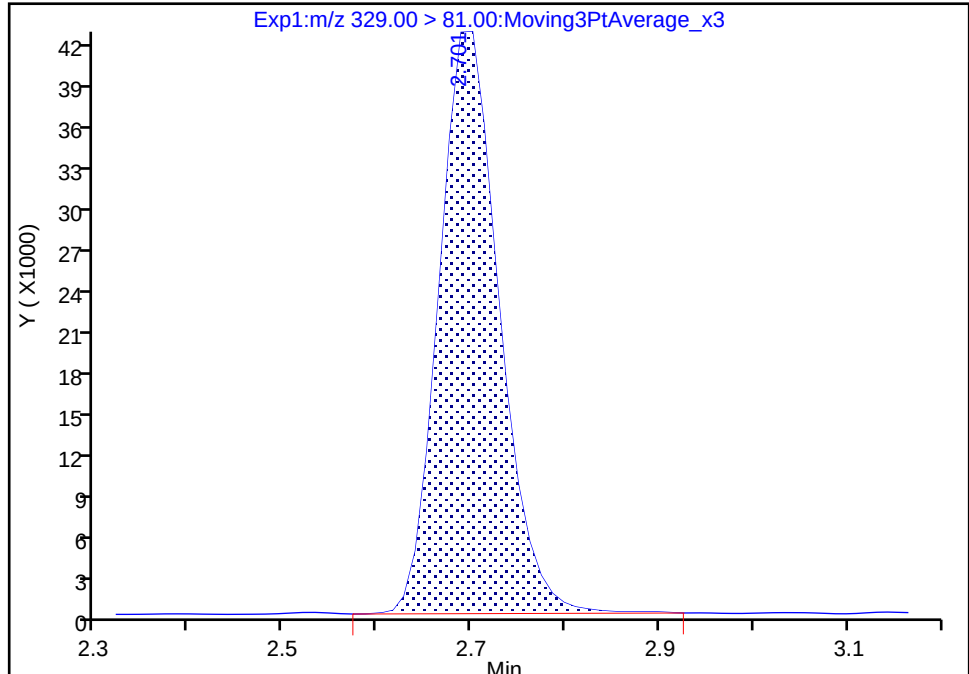
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

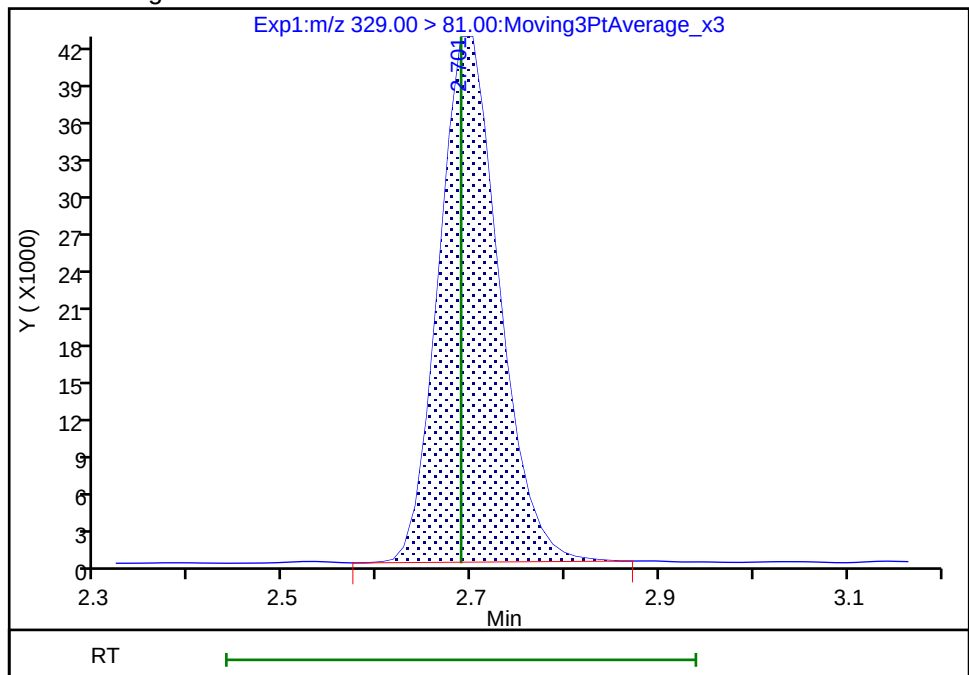
RT: 2.70
Area: 187018
Amount: 0.982209
Amount Units: ng/ml

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
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PM

Eurofins Burlington

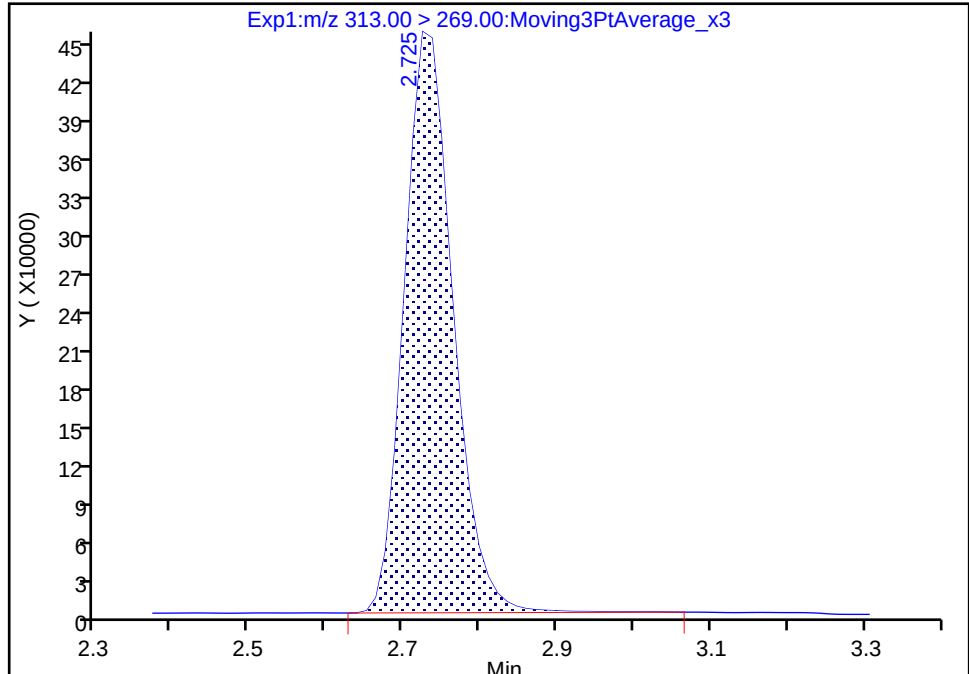
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

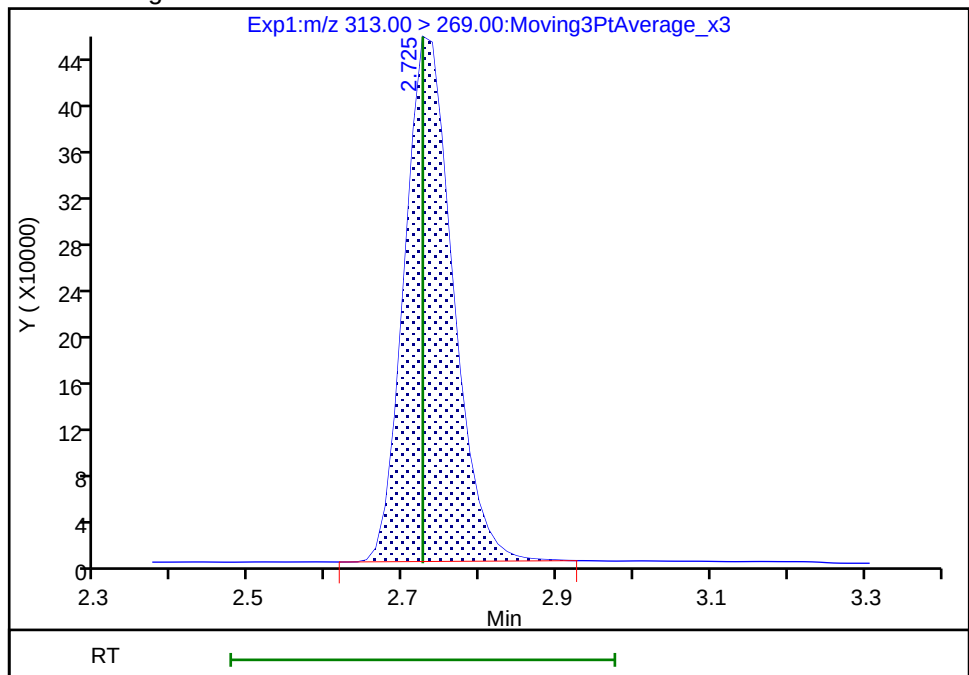
RT: 2.73
Area: 1996563
Amount: 1.018646
Amount Units: ng/ml

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
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PM

Eurofins Burlington

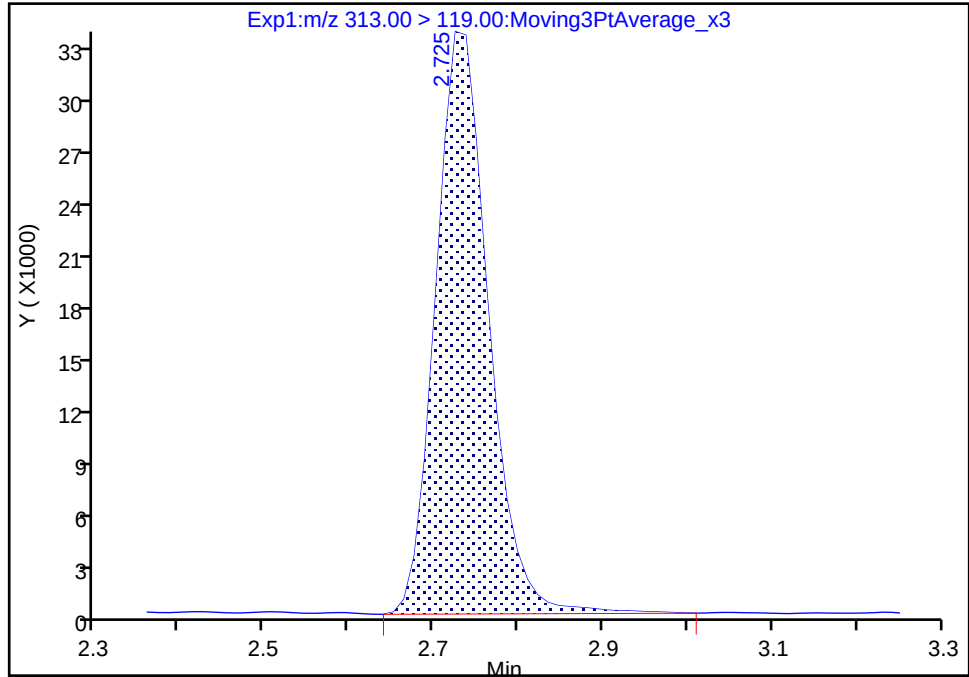
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

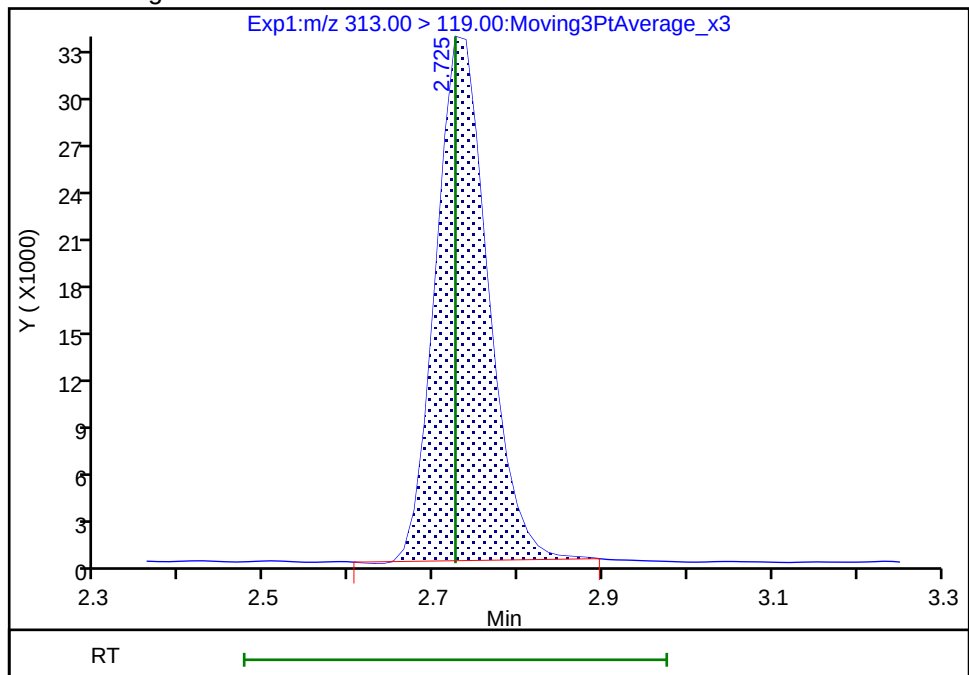
RT: 2.73
Area: 144299
Amount: 1.018646
Amount Units: ng/ml

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
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PM

Eurofins Burlington

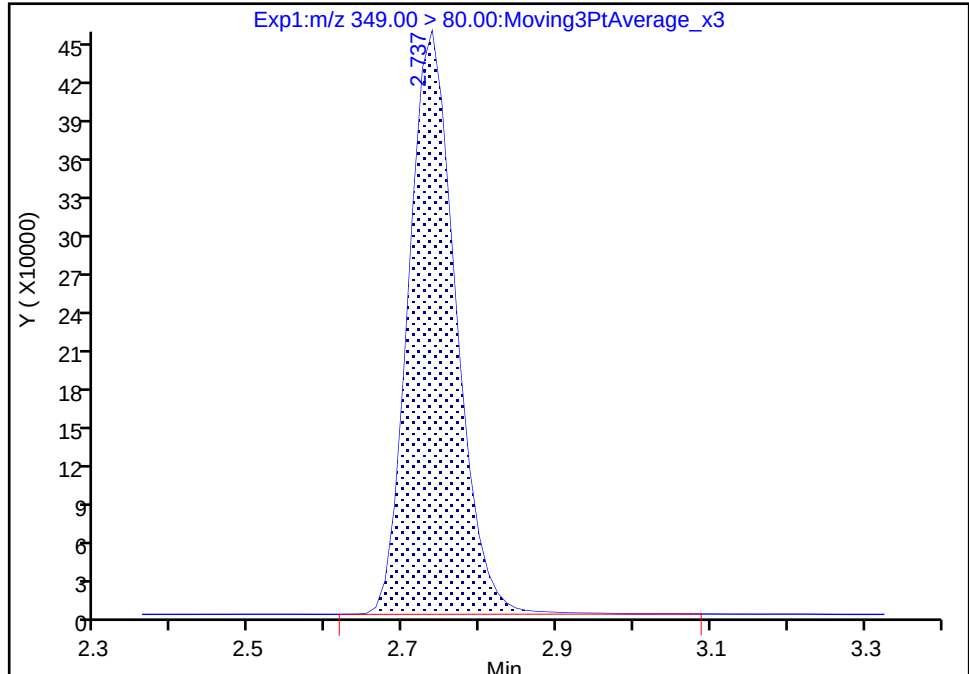
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Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

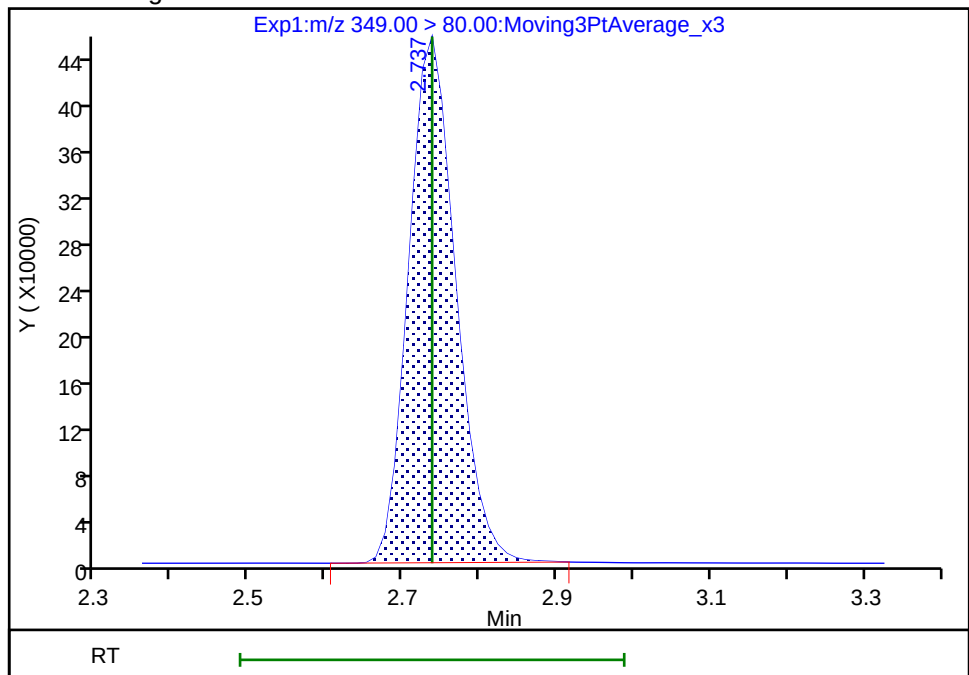
RT: 2.74
Area: 1936279
Amount: 1.104646
Amount Units: ng/ml

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

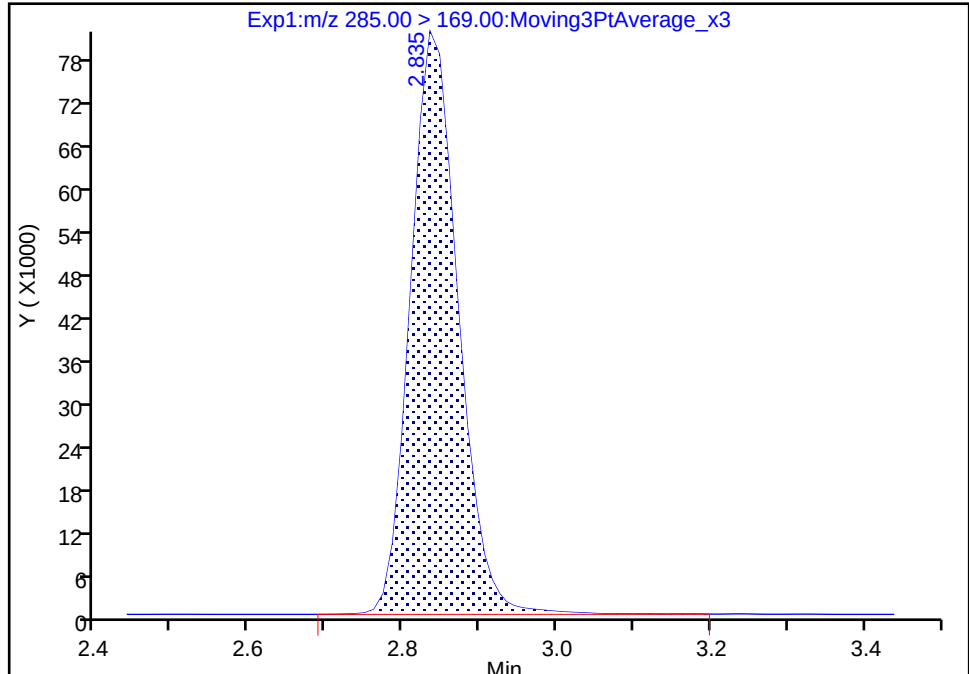
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

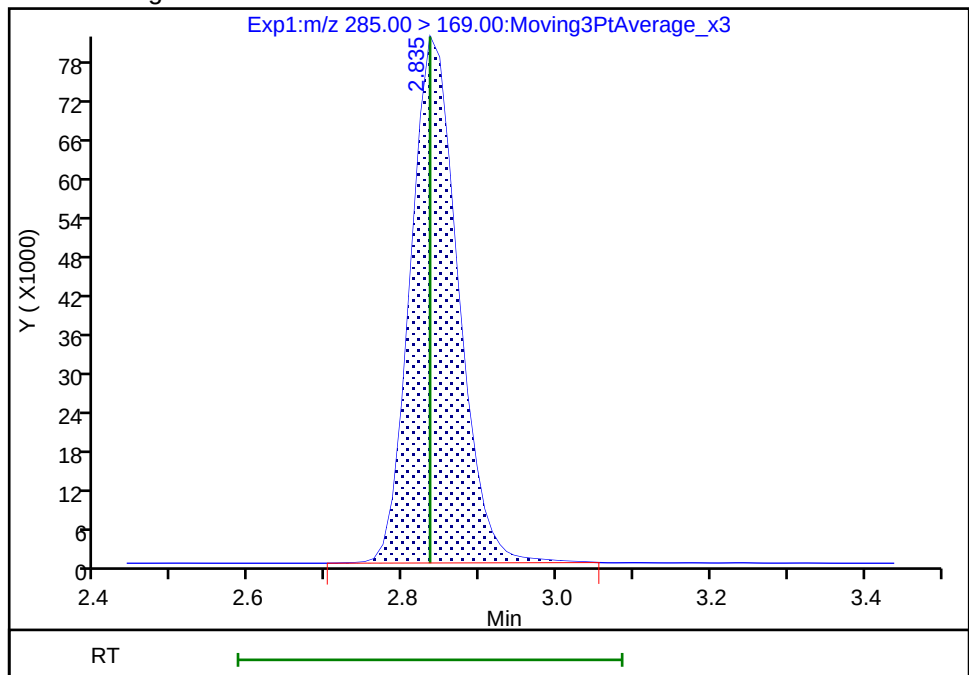
RT: 2.83
Area: 349656
Amount: 1.072576
Amount Units: ng/ml

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
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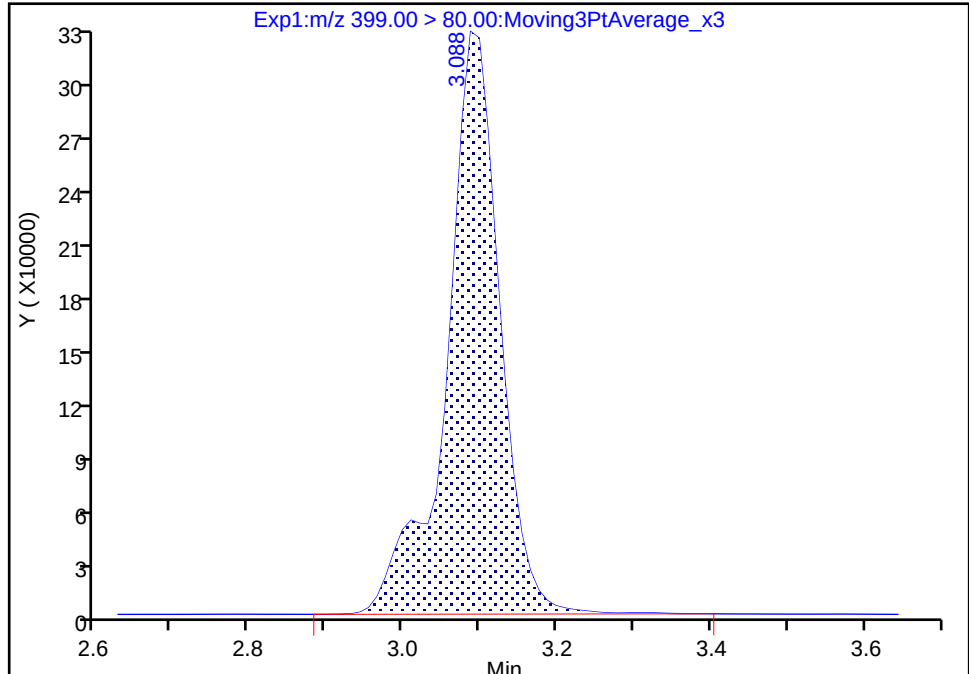
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

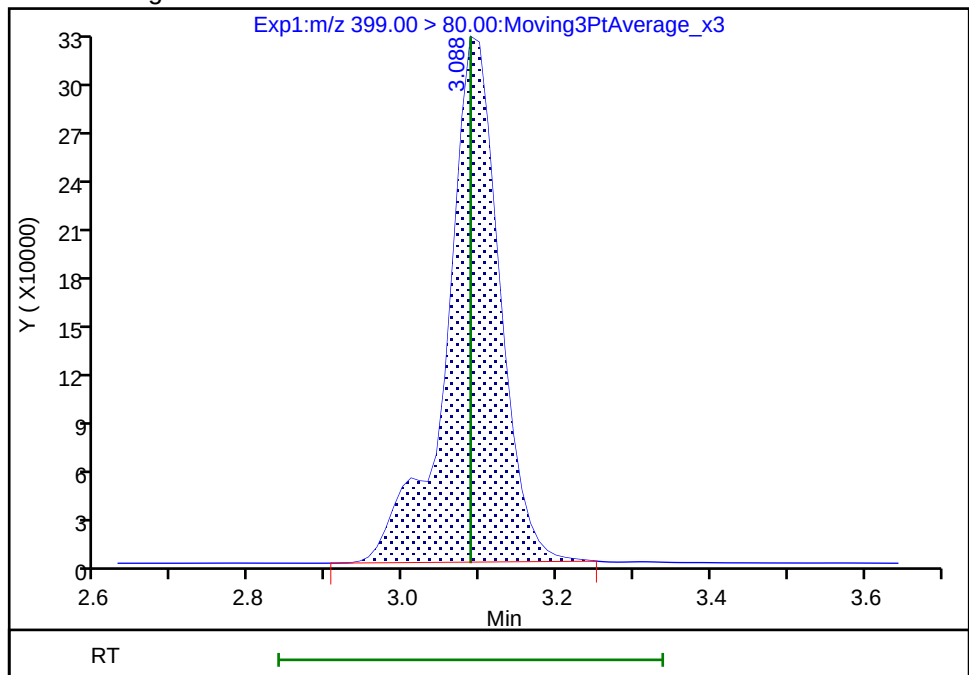
RT: 3.09
Area: 1580261
Amount: 1.066710
Amount Units: ng/ml

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
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Eurofins Burlington

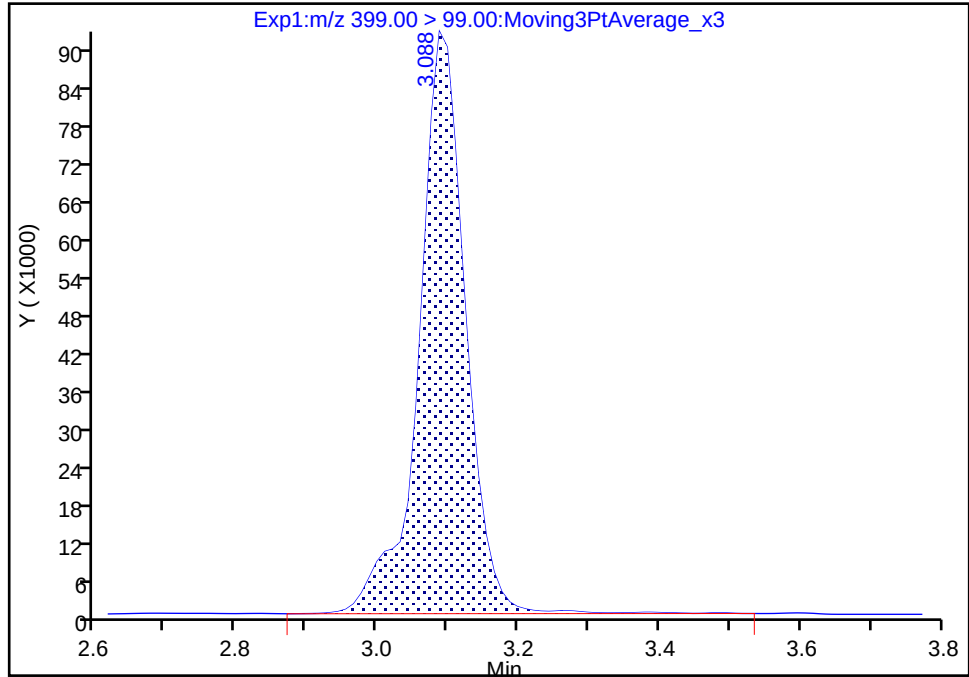
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

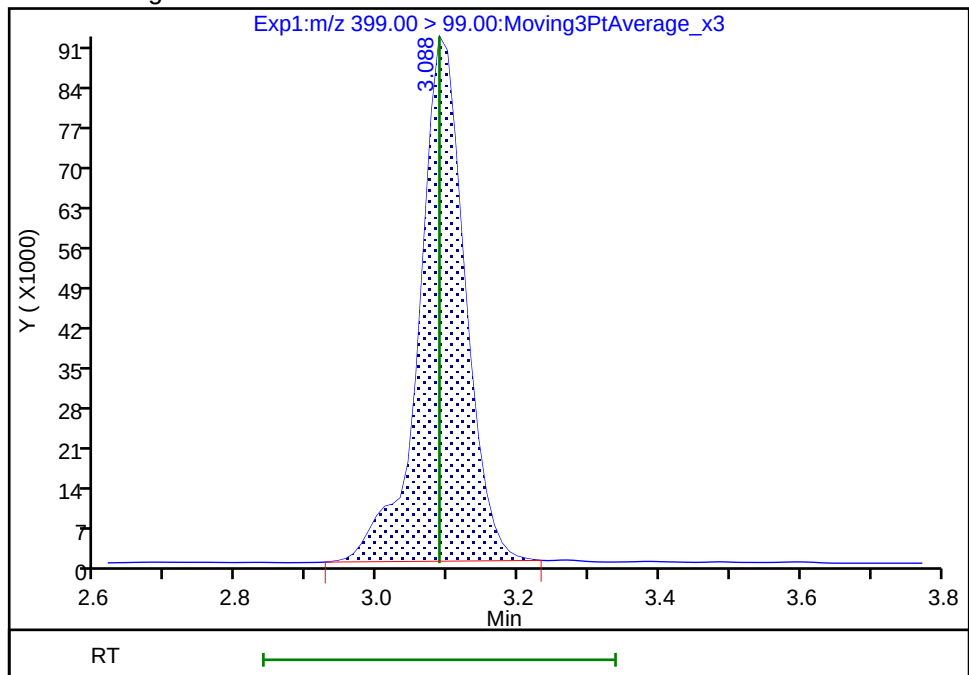
RT: 3.09
Area: 423789
Amount: 1.066710
Amount Units: ng/ml

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
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Eurofins Burlington

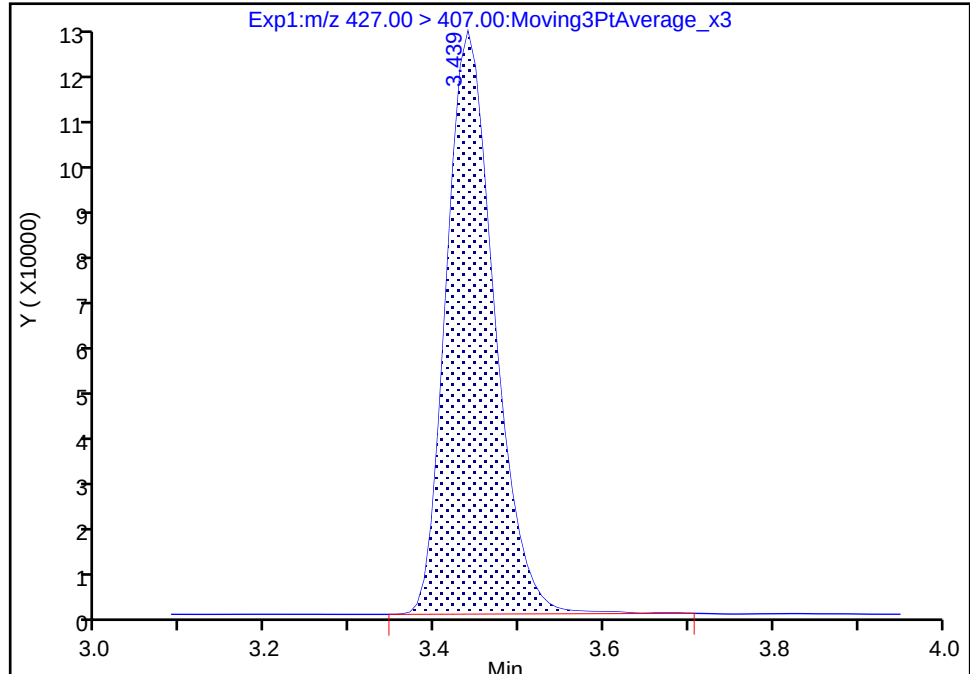
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

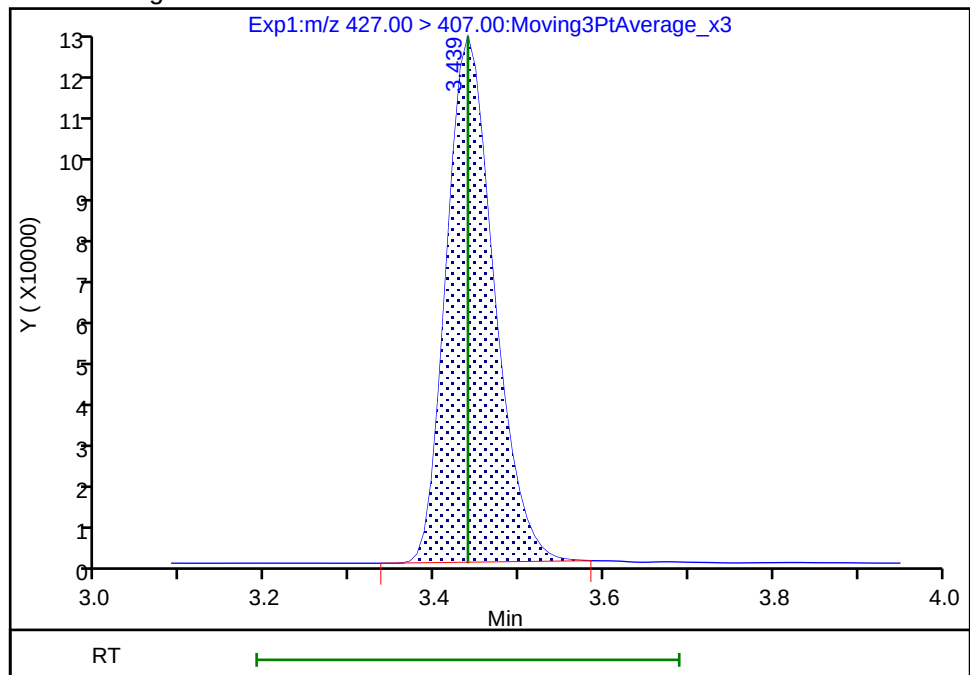
RT: 3.44
Area: 502234
Amount: 1.072151
Amount Units: ng/ml

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
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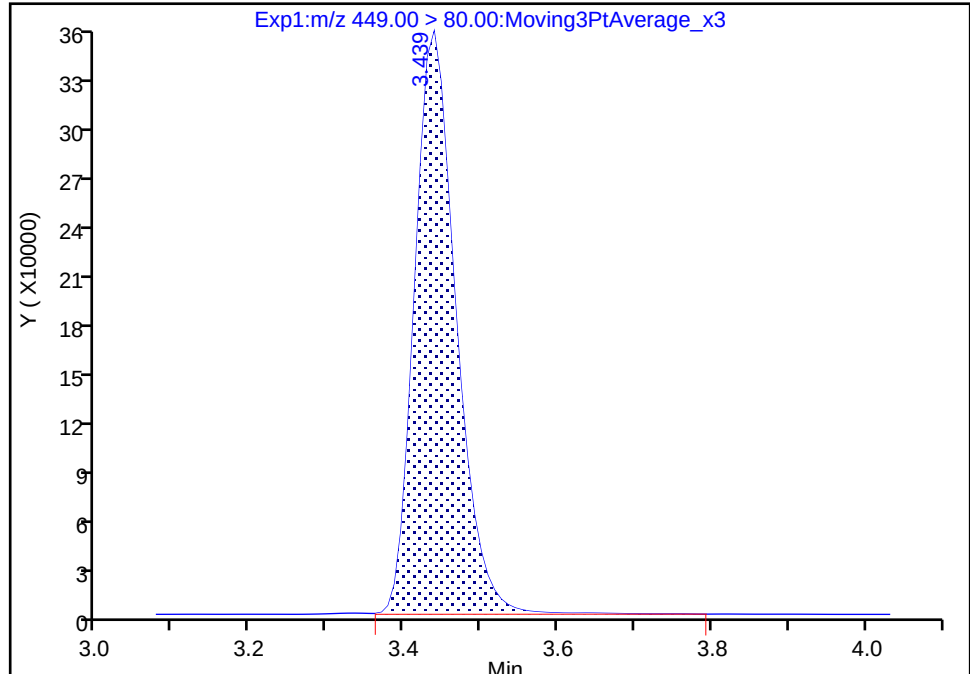
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

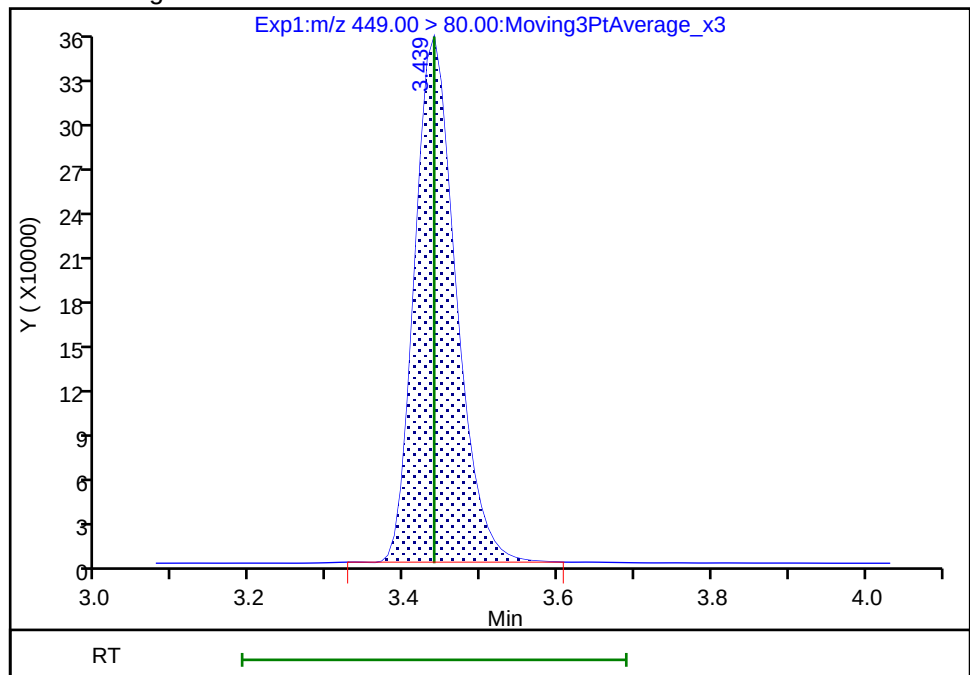
RT: 3.44
Area: 1318008
Amount: 1.043678
Amount Units: ng/ml

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
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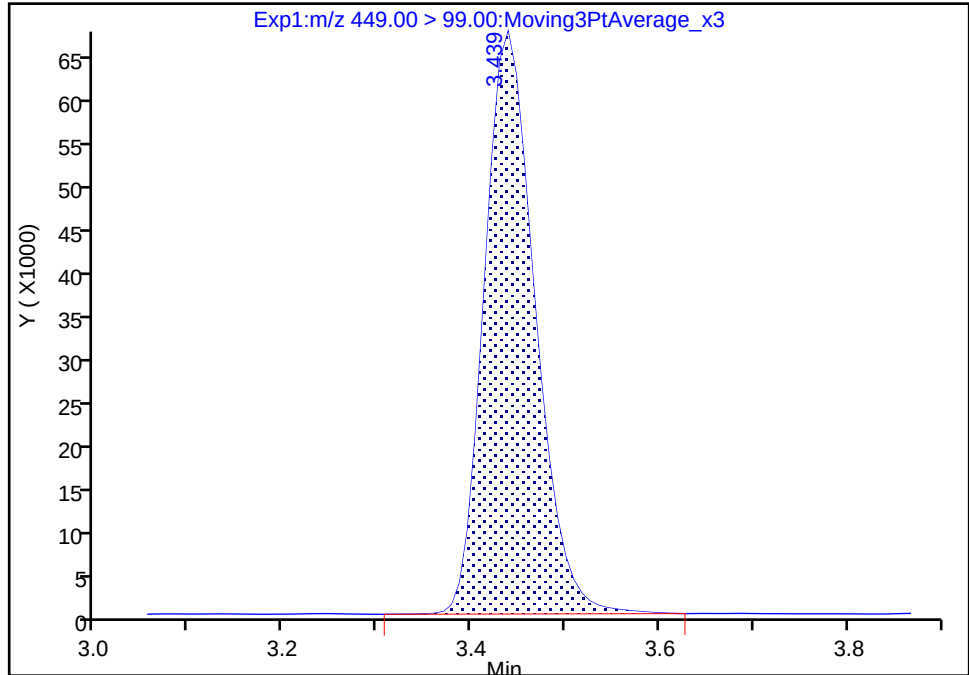
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

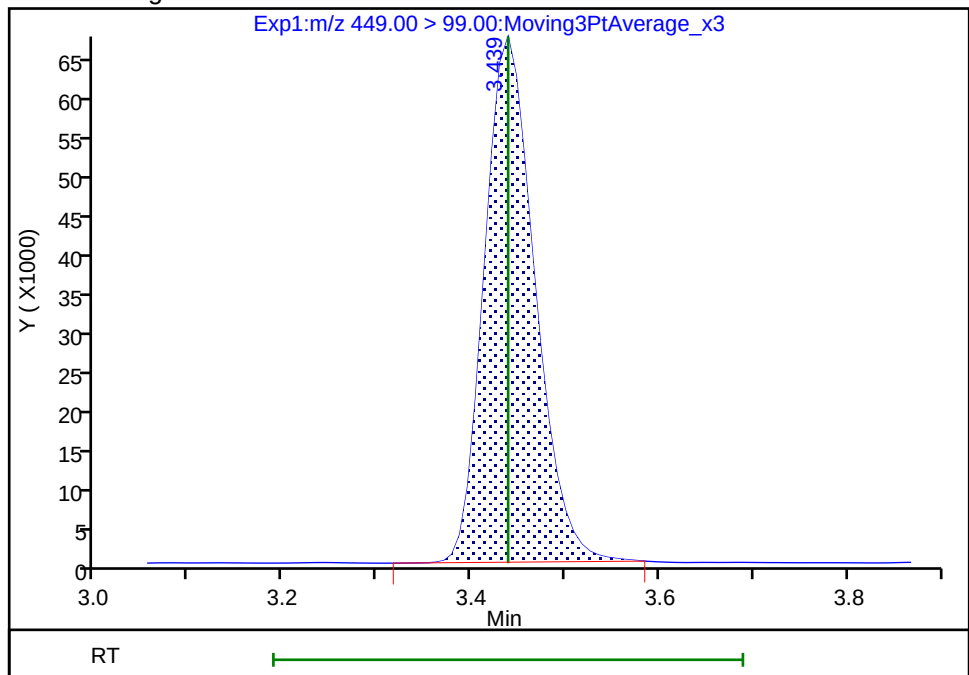
RT: 3.44
Area: 253988
Amount: 1.043678
Amount Units: ng/ml

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
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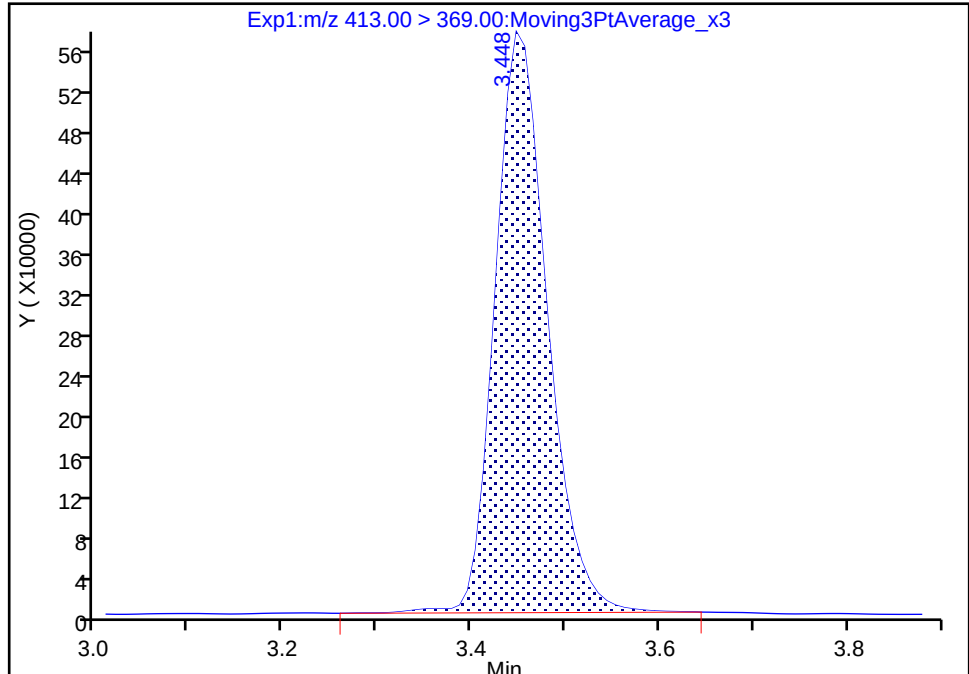
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

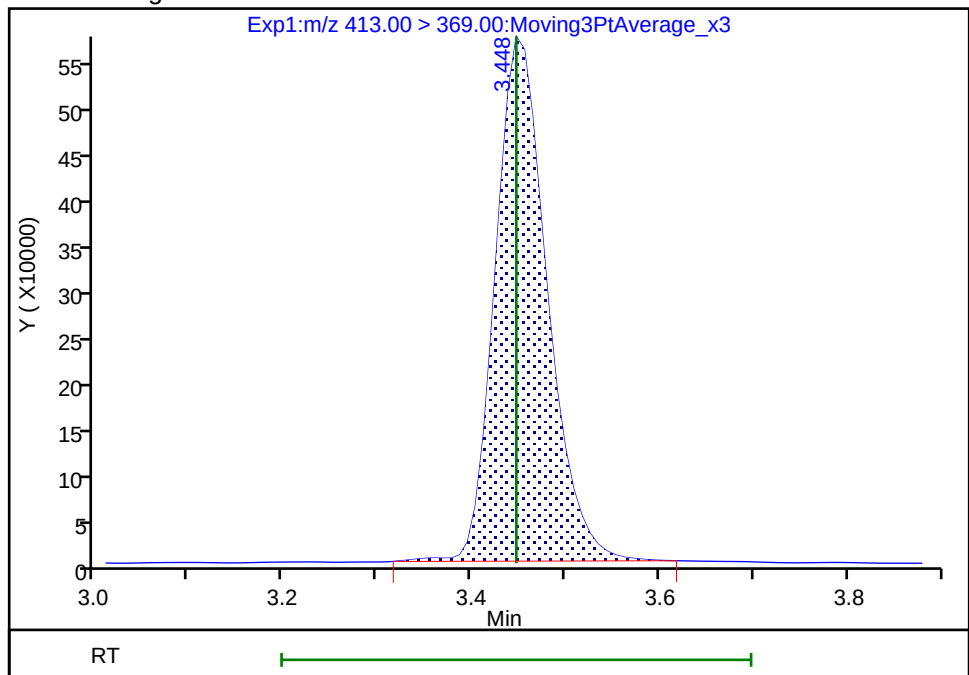
RT: 3.45
Area: 2210155
Amount: 1.028931
Amount Units: ng/ml

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

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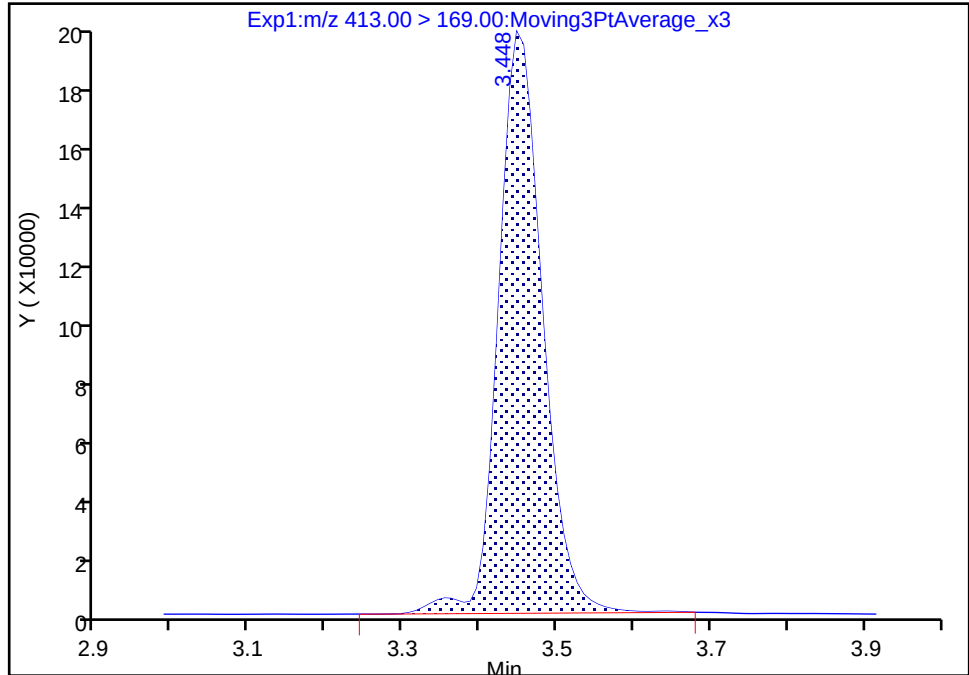
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

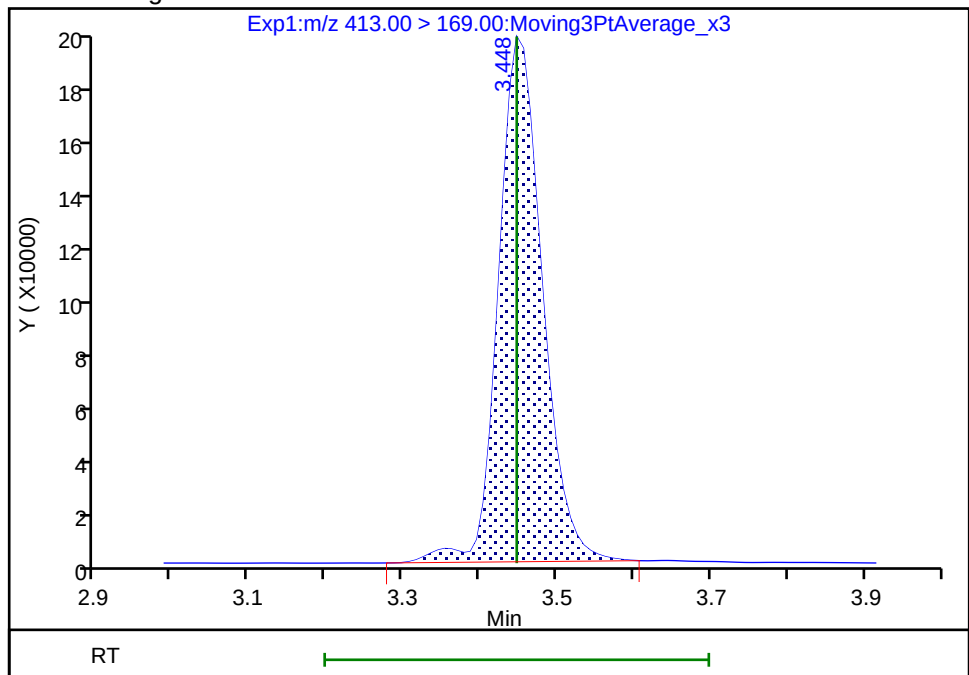
RT: 3.45
Area: 778853
Amount: 1.028931
Amount Units: ng/ml

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
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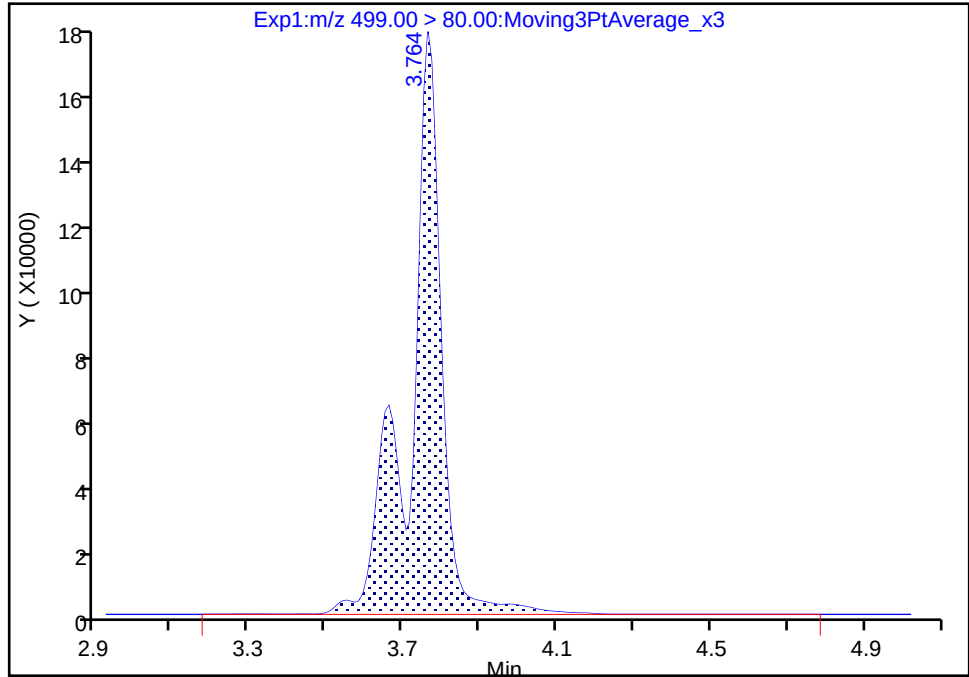
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

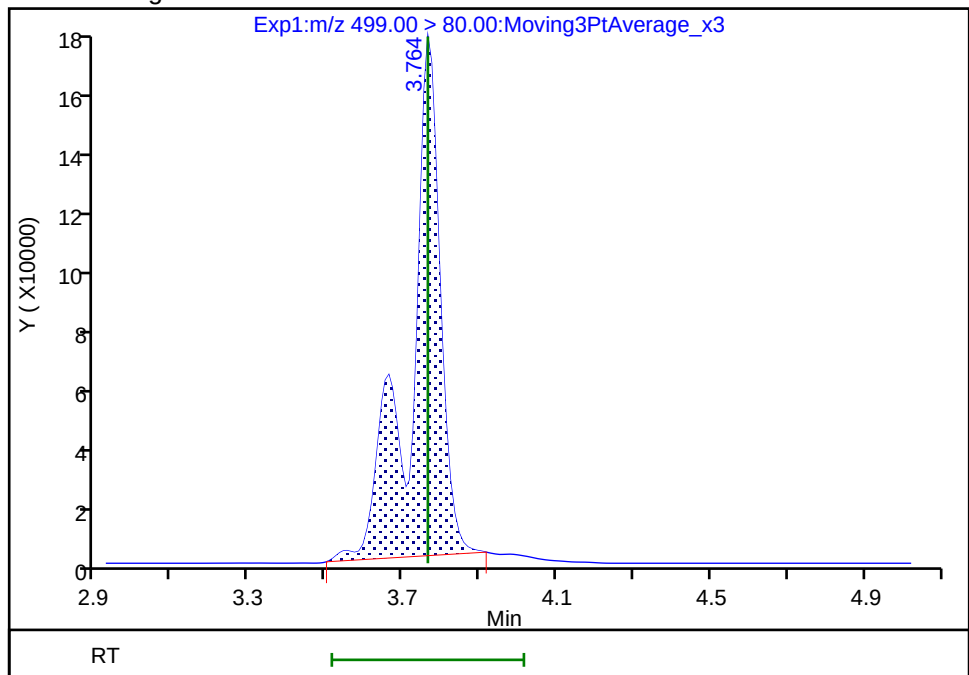
RT: 3.76
Area: 1017852
Amount: 0.925675
Amount Units: ng/ml

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

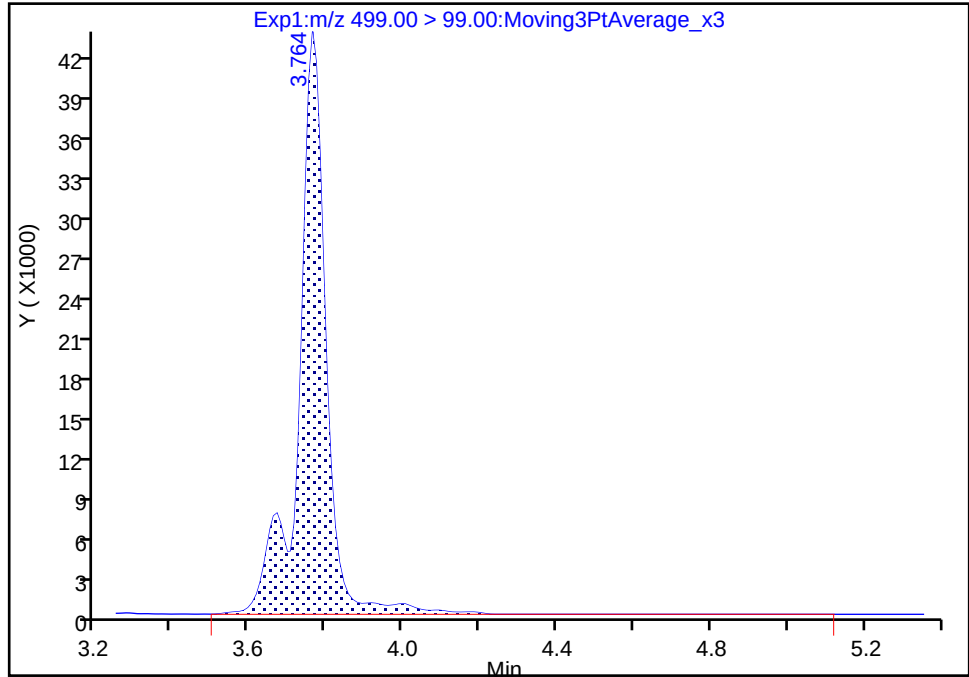
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

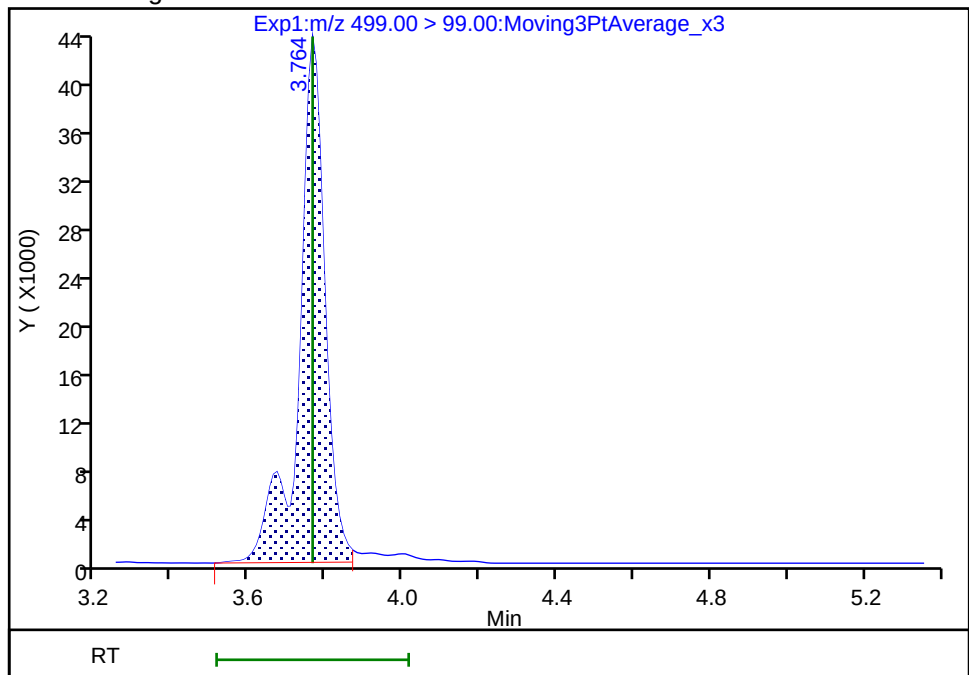
RT: 3.76
Area: 215493
Amount: 0.925675
Amount Units: ng/ml

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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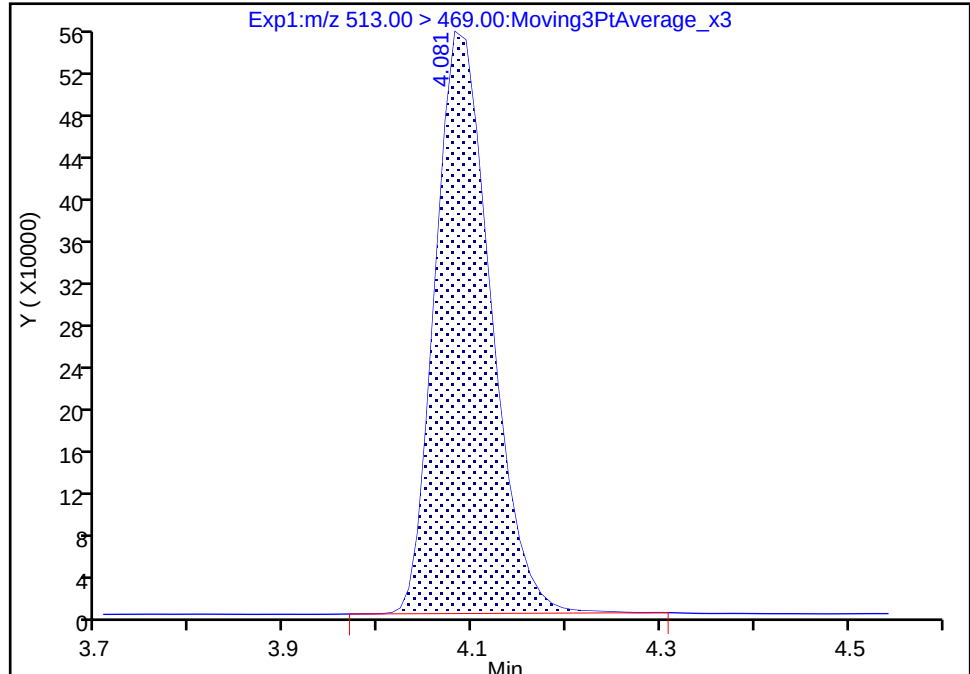
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

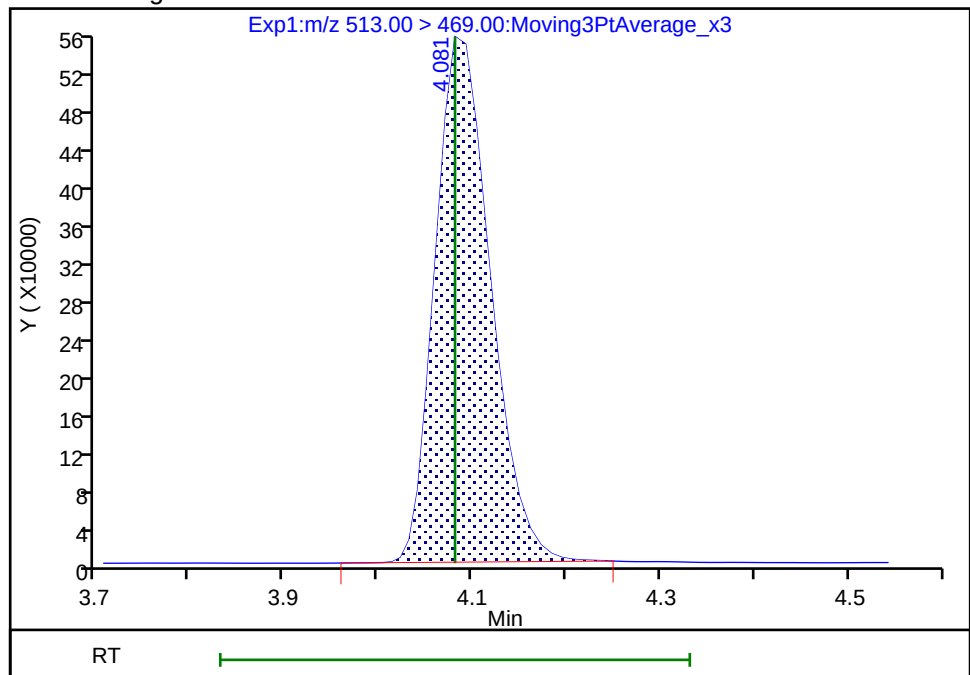
RT: 4.08
Area: 2277302
Amount: 1.004177
Amount Units: ng/ml

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
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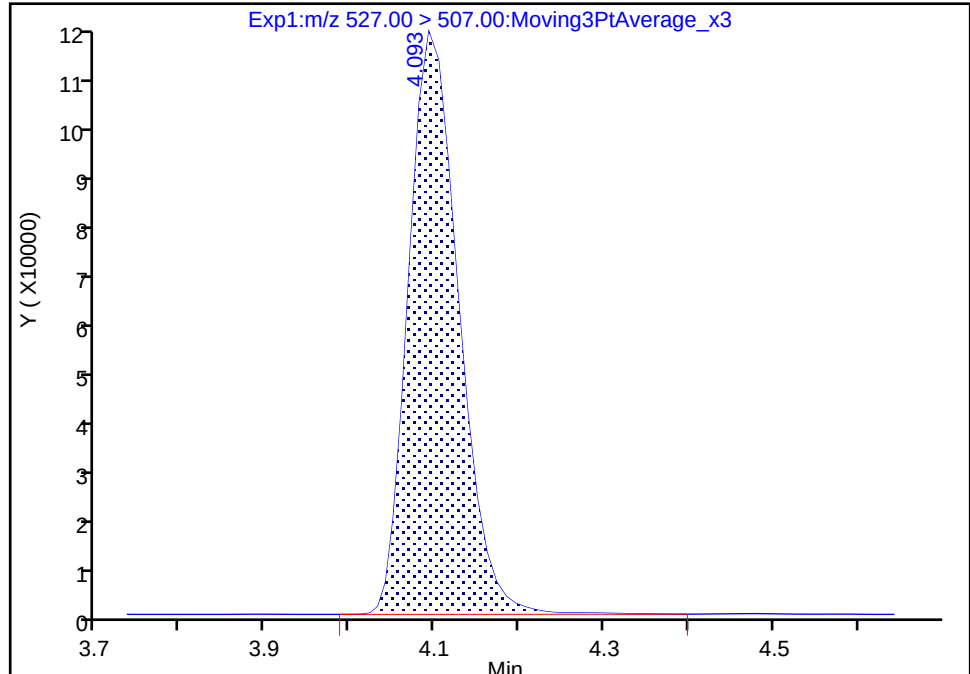
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

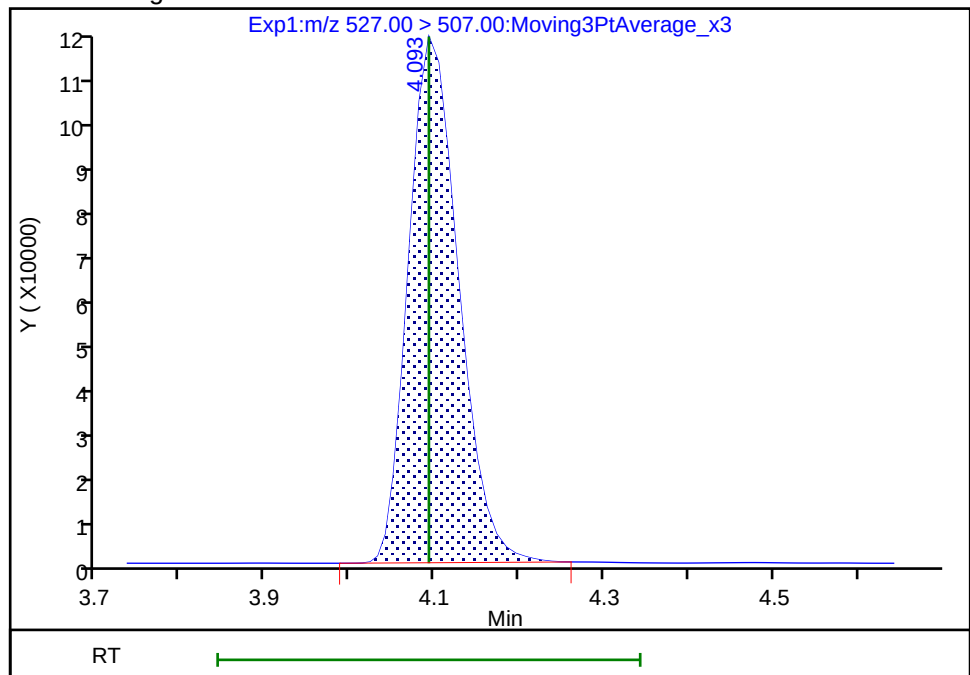
RT: 4.09
Area: 484745
Amount: 1.107834
Amount Units: ng/ml

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

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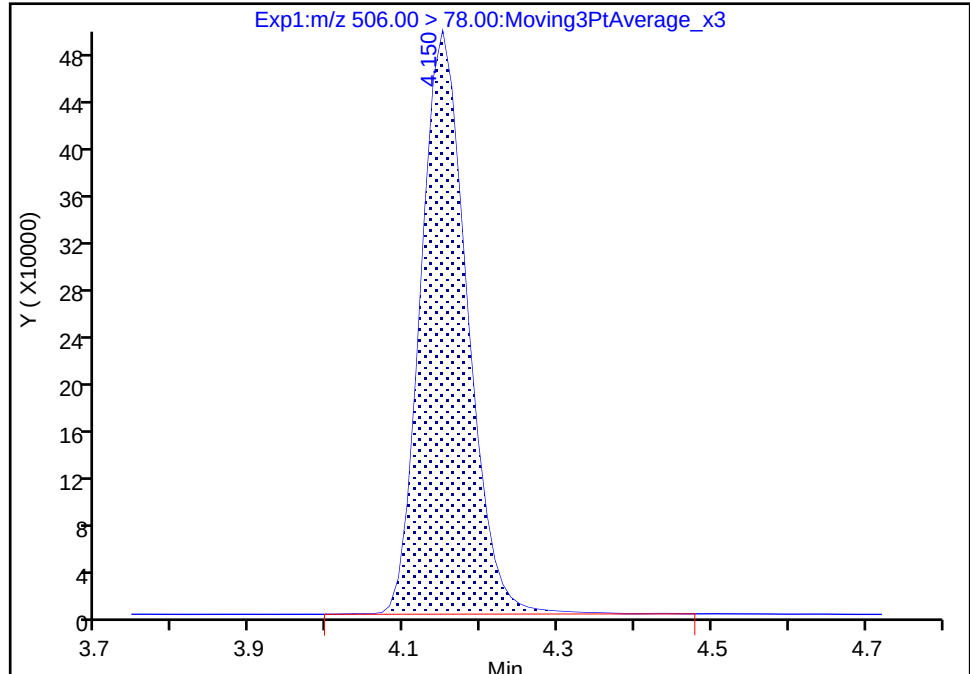
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

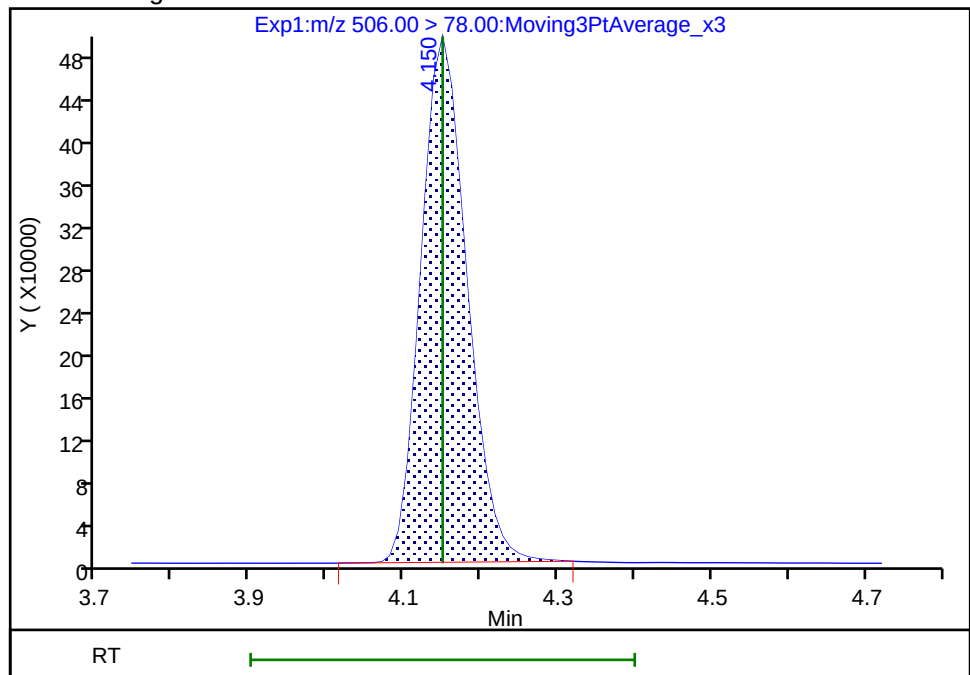
RT: 4.15
Area: 2074977
Amount: 1.063614
Amount Units: ng/ml

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
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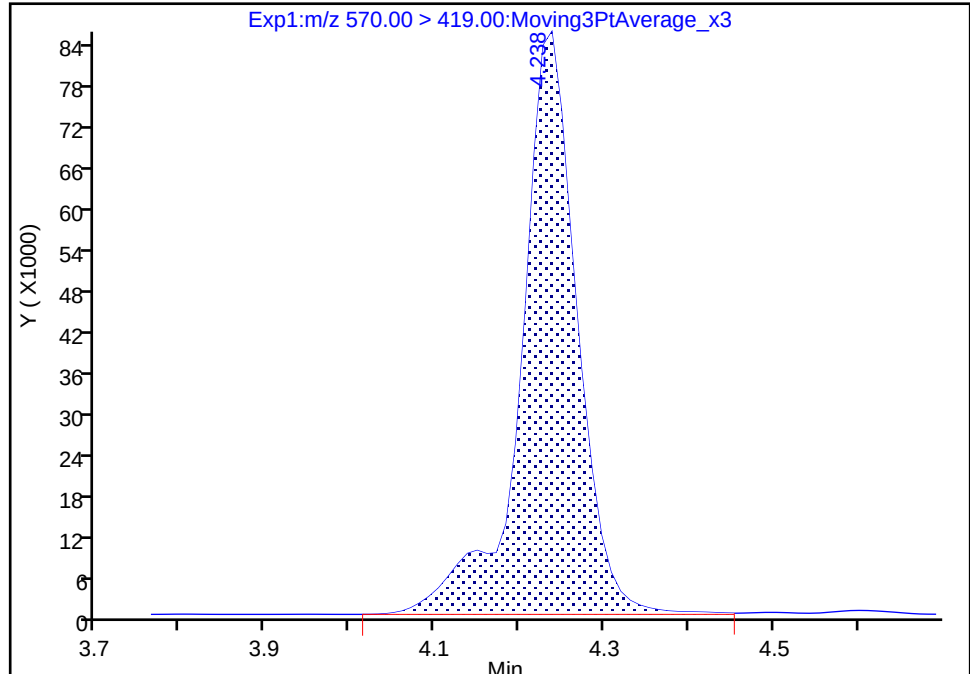
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

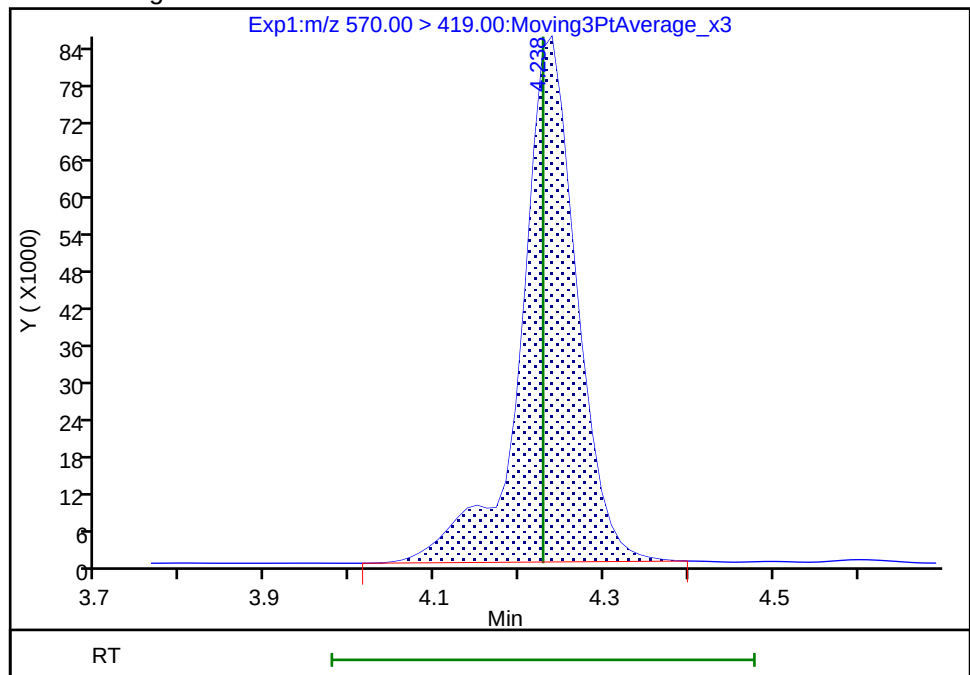
RT: 4.24
Area: 395419
Amount: 1.116920
Amount Units: ng/ml

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
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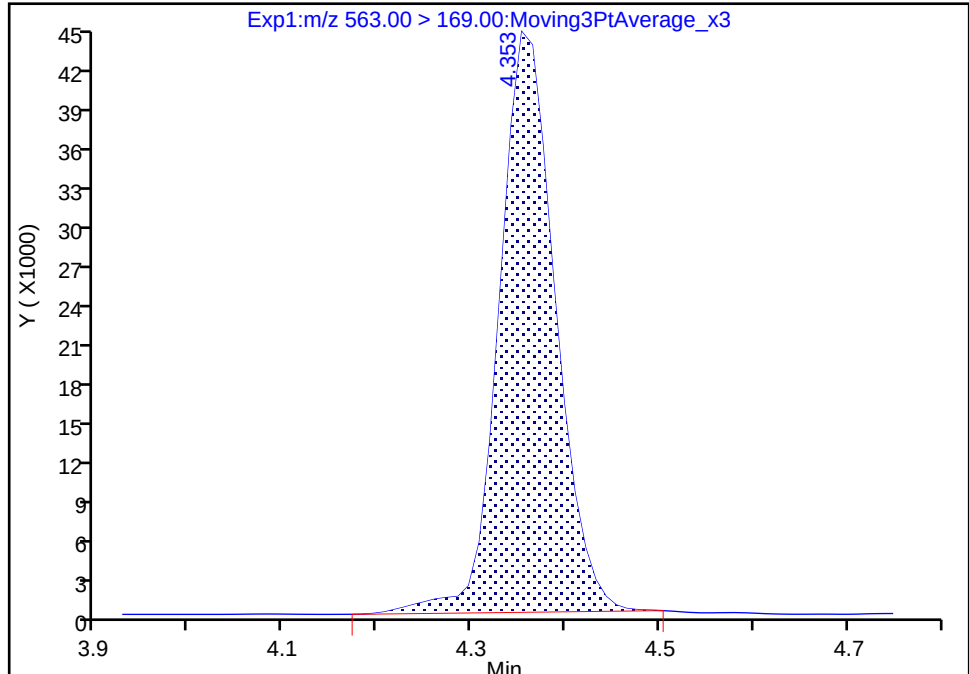
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

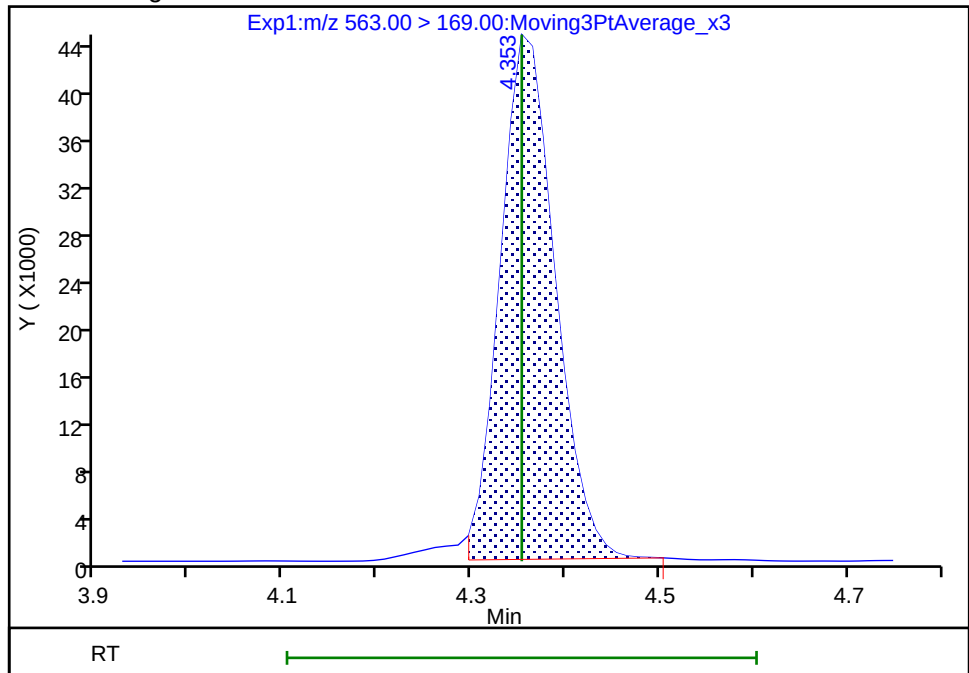
RT: 4.35
Area: 182508
Amount: 0.975318
Amount Units: ng/ml

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
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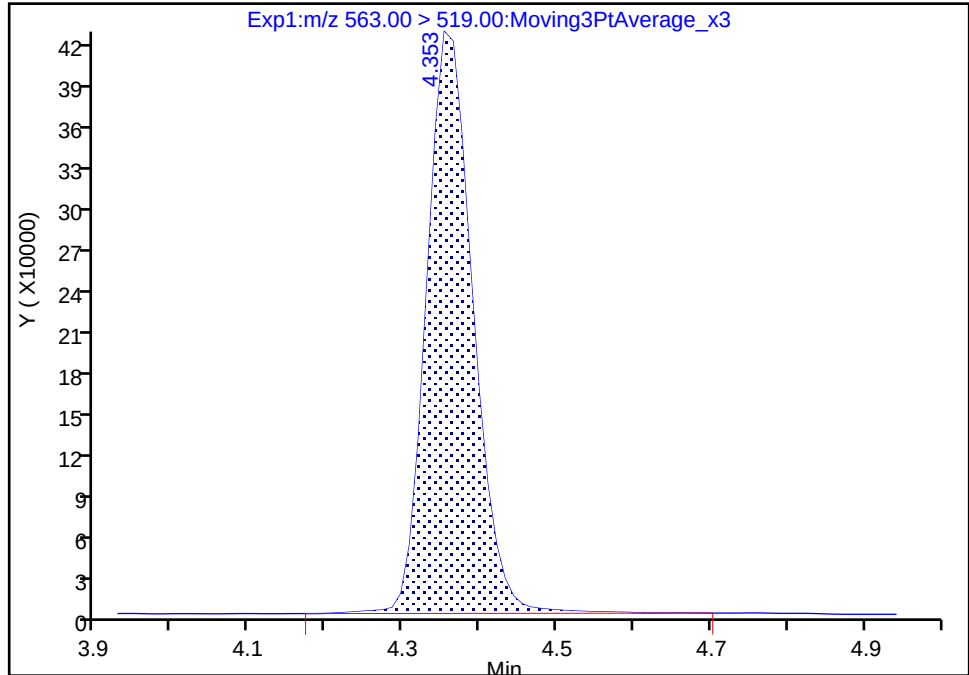
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

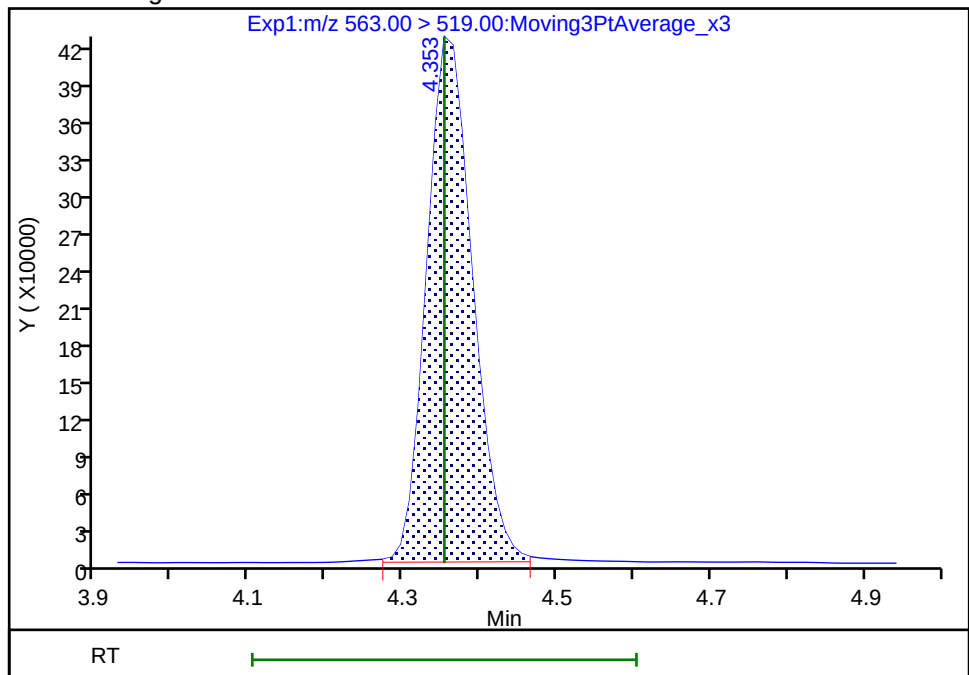
RT: 4.35
Area: 1763312
Amount: 0.975318
Amount Units: ng/ml

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

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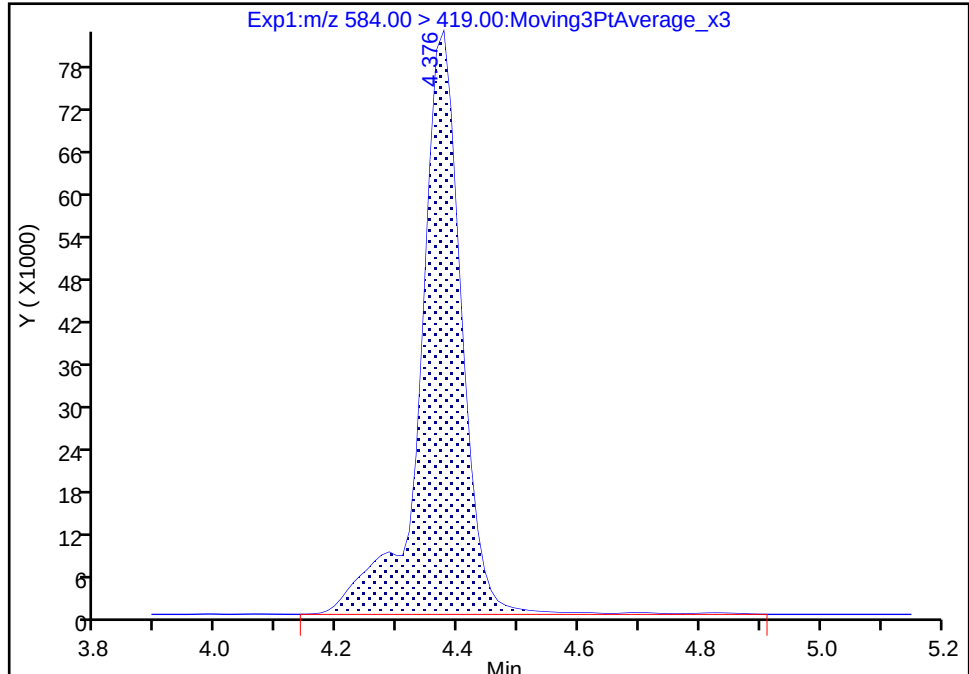
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

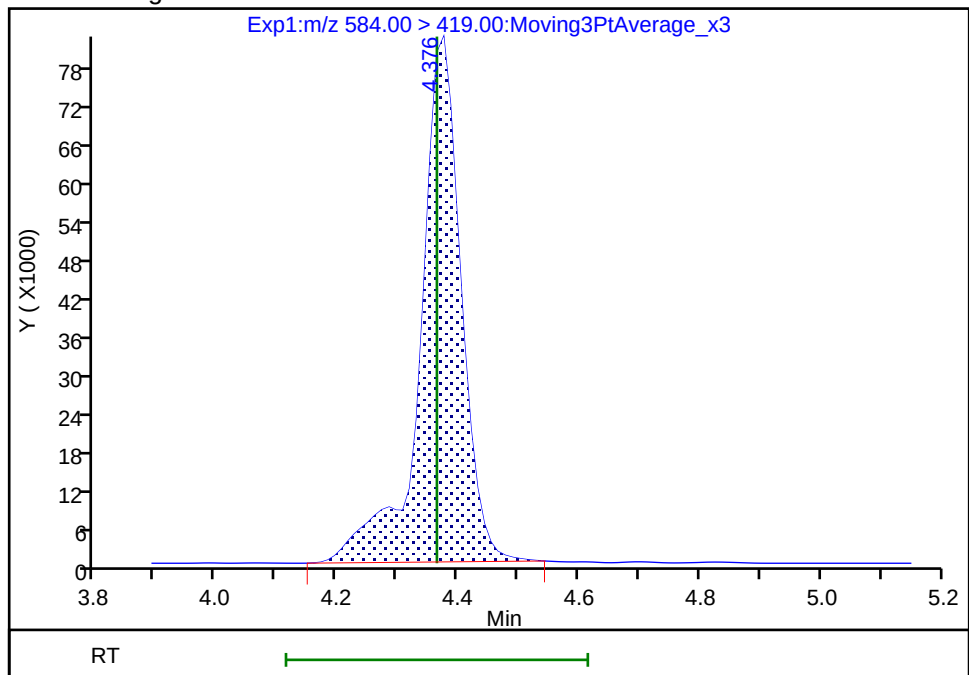
RT: 4.38
Area: 392736
Amount: 1.062553
Amount Units: ng/ml

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

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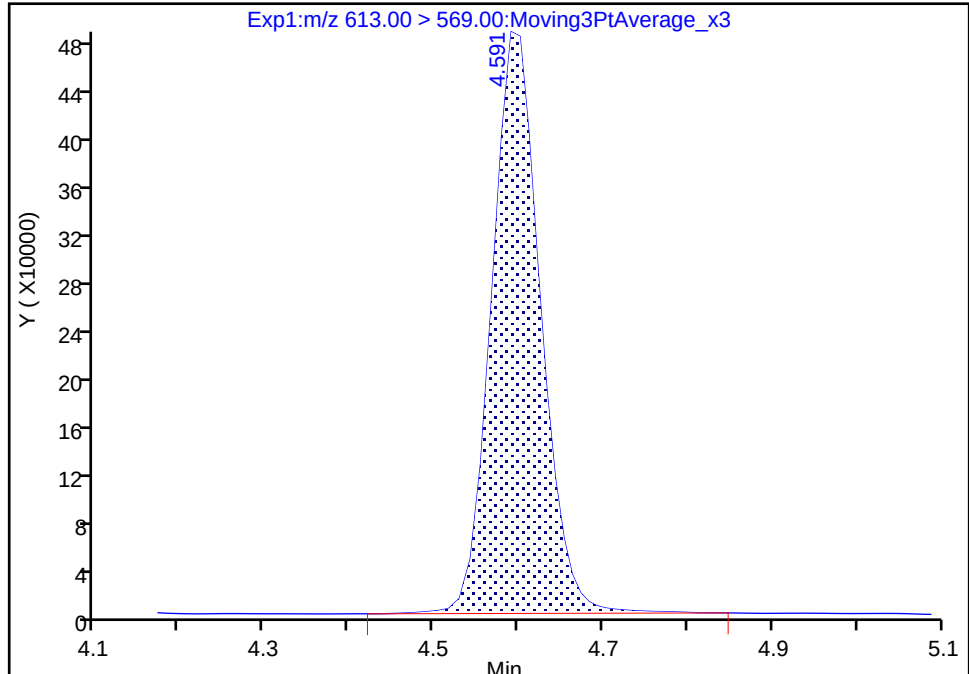
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

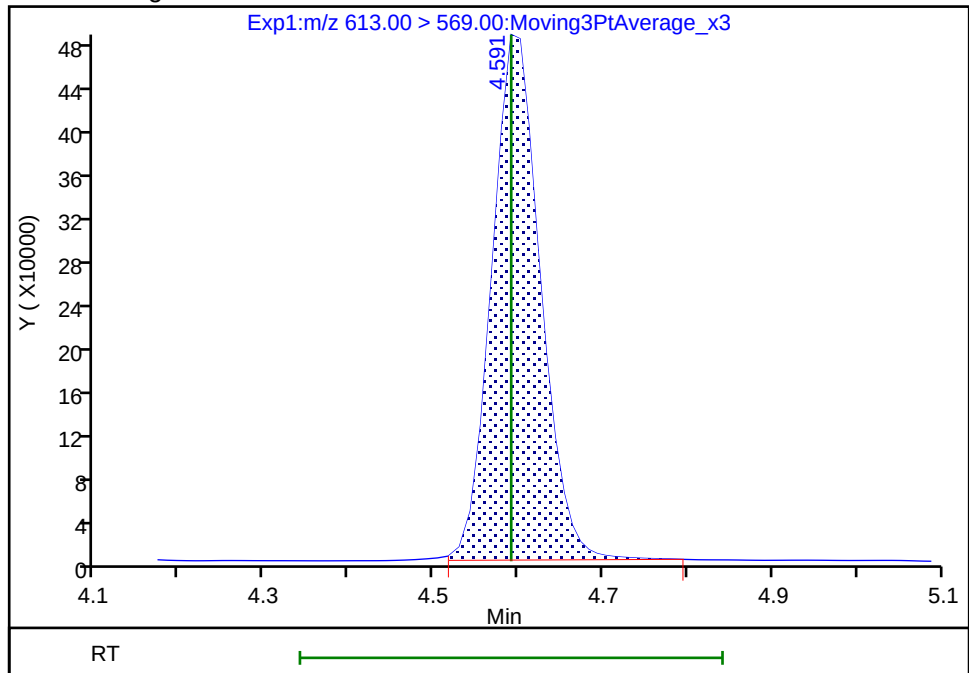
RT: 4.59
Area: 1962968
Amount: 0.983300
Amount Units: ng/ml

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
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Eurofins Burlington

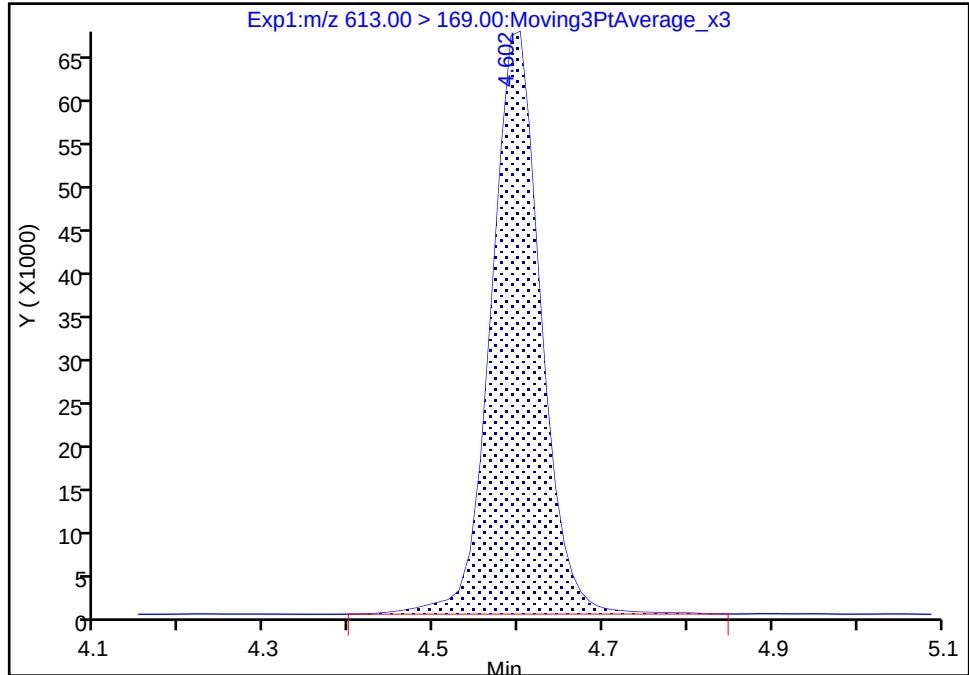
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

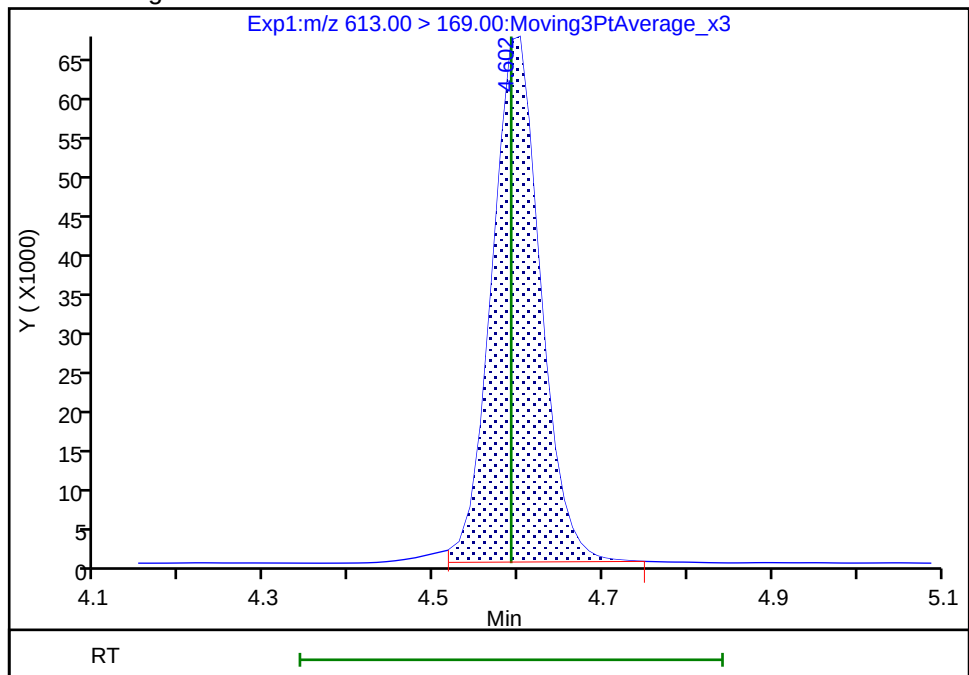
RT: 4.60
Area: 274375
Amount: 0.983300
Amount Units: ng/ml

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
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Eurofins Burlington

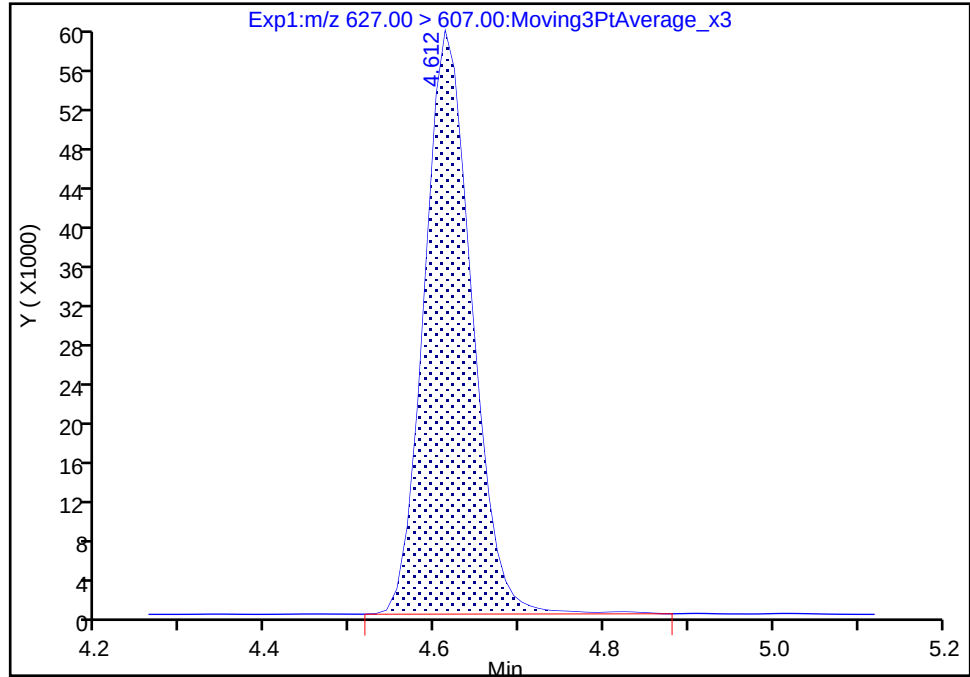
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

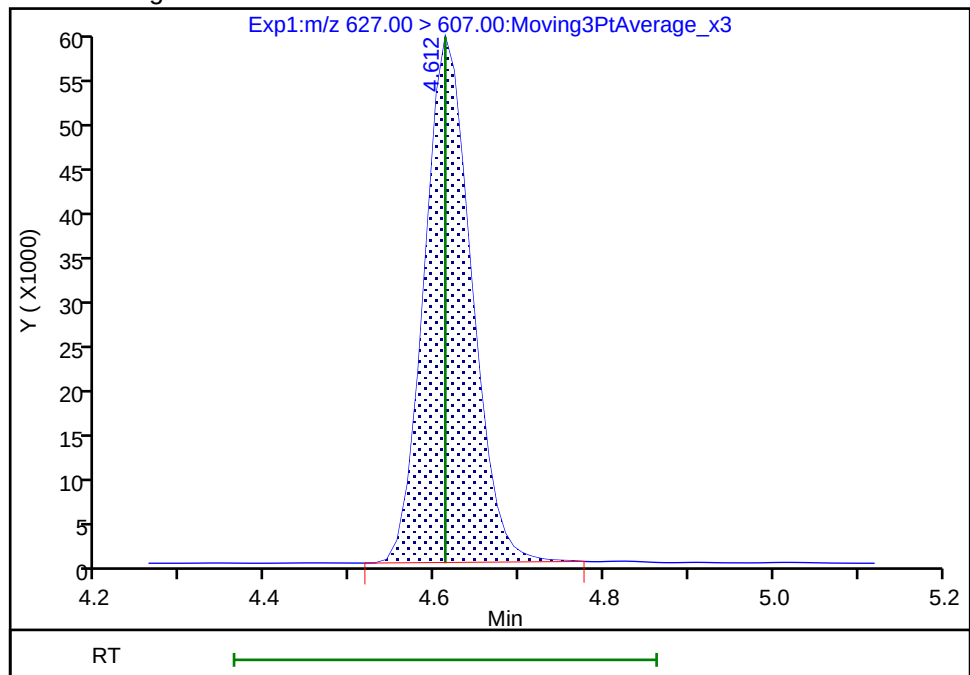
RT: 4.61
Area: 231961
Amount: 0.882195
Amount Units: ng/ml

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
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Eurofins Burlington

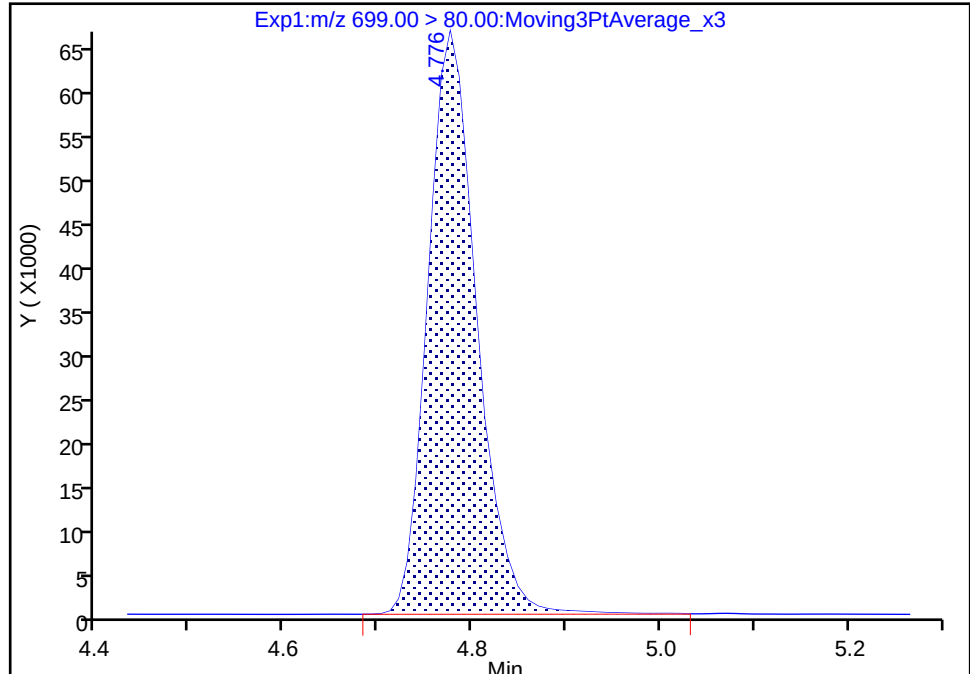
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Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

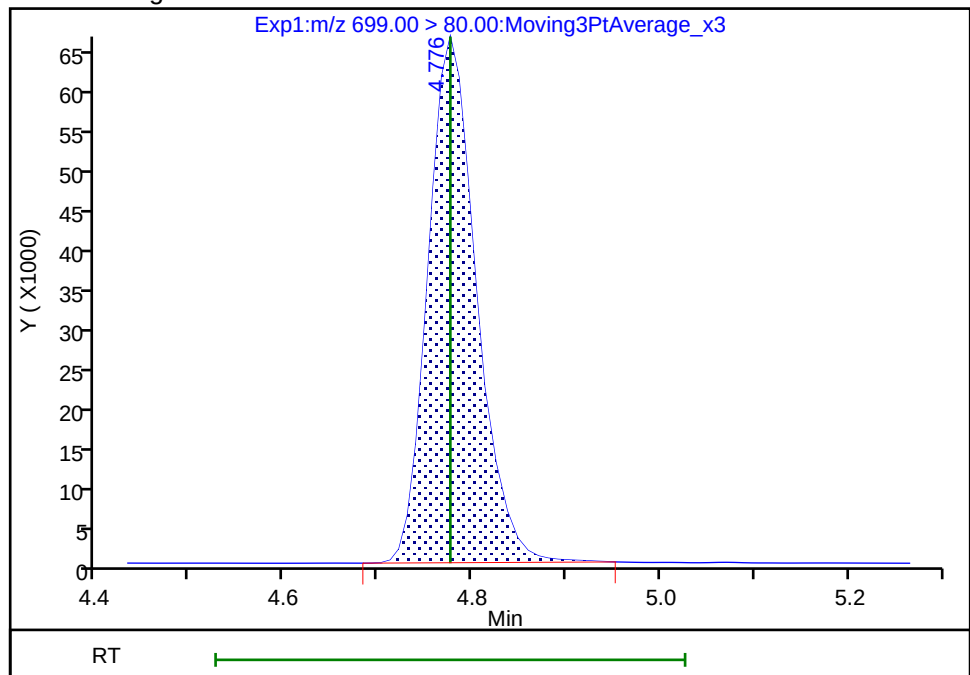
RT: 4.78
Area: 238904
Amount: 0.861661
Amount Units: ng/ml

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
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Eurofins Burlington

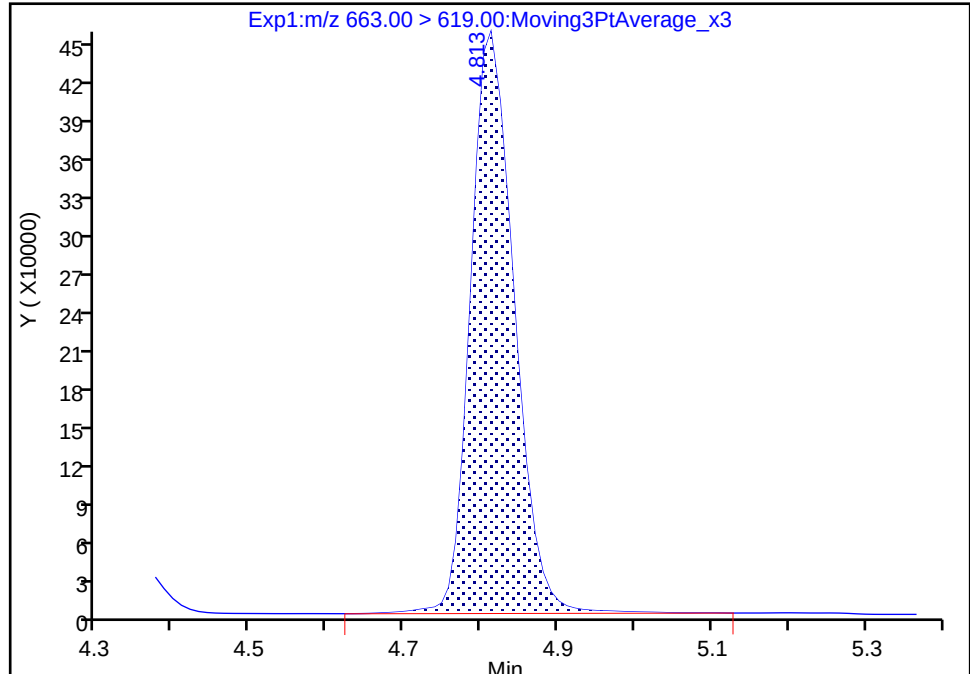
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

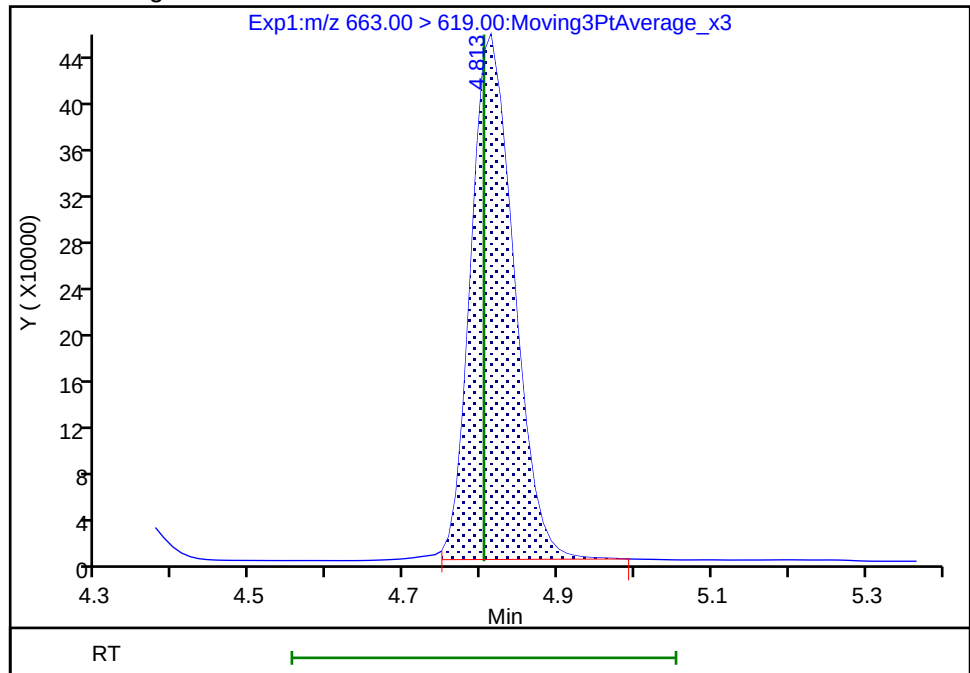
RT: 4.81
Area: 1771634
Amount: 0.927951
Amount Units: ng/ml

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
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Eurofins Burlington

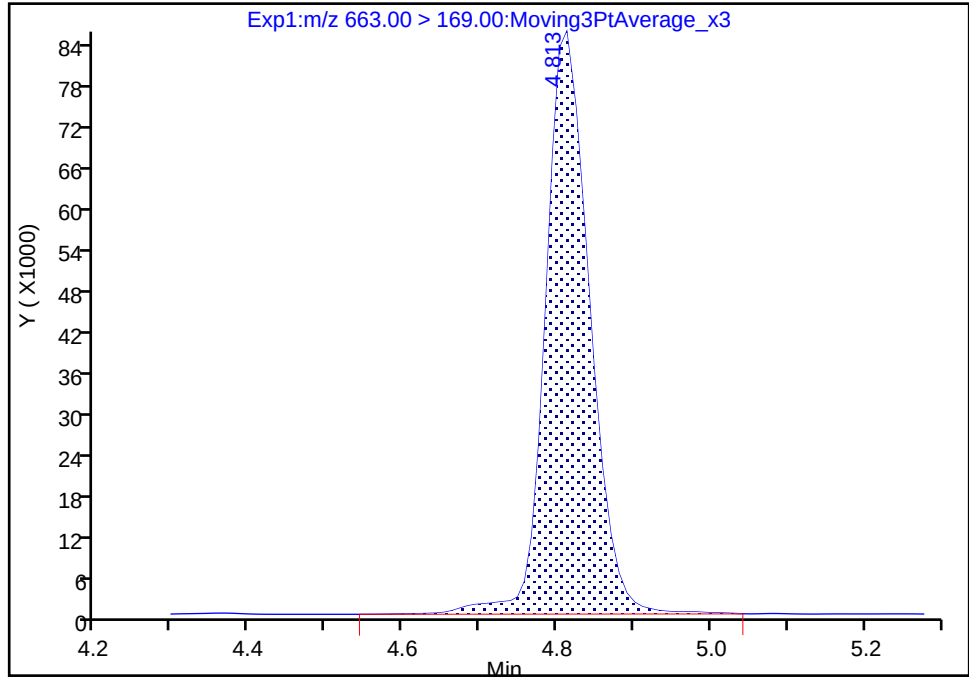
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

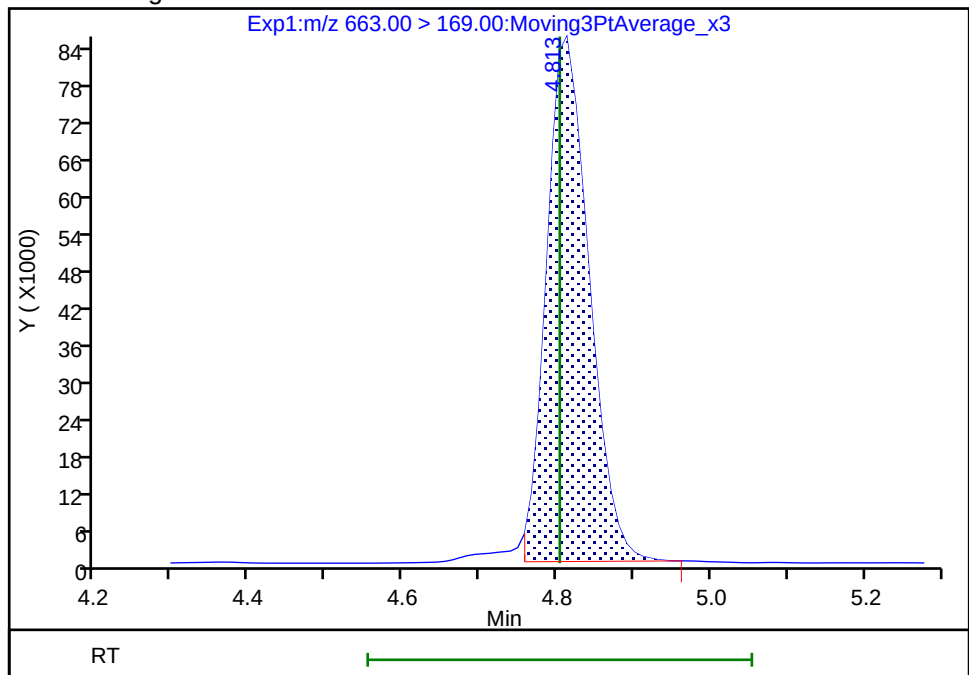
RT: 4.81
Area: 339583
Amount: 0.927951
Amount Units: ng/ml

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

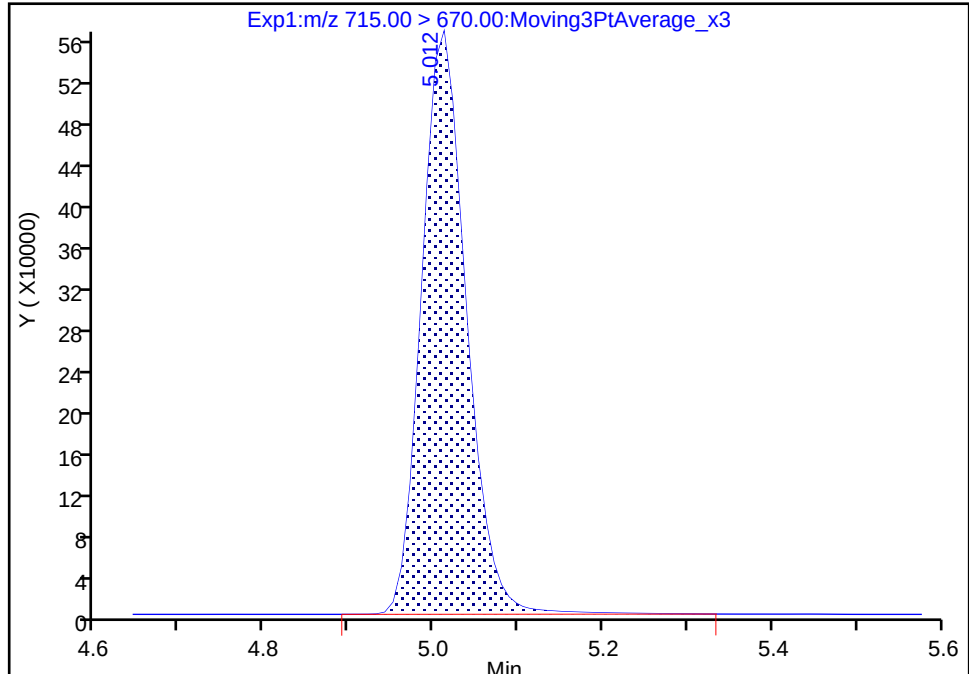
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

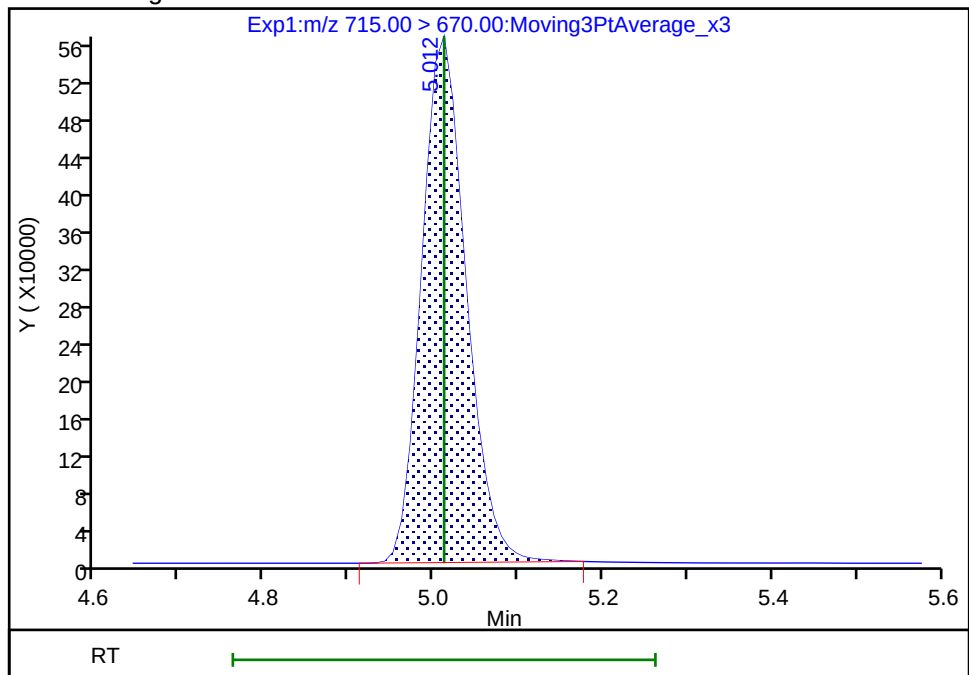
RT: 5.01
Area: 2079061
Amount: 1.082778
Amount Units: ng/ml

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
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Eurofins Burlington

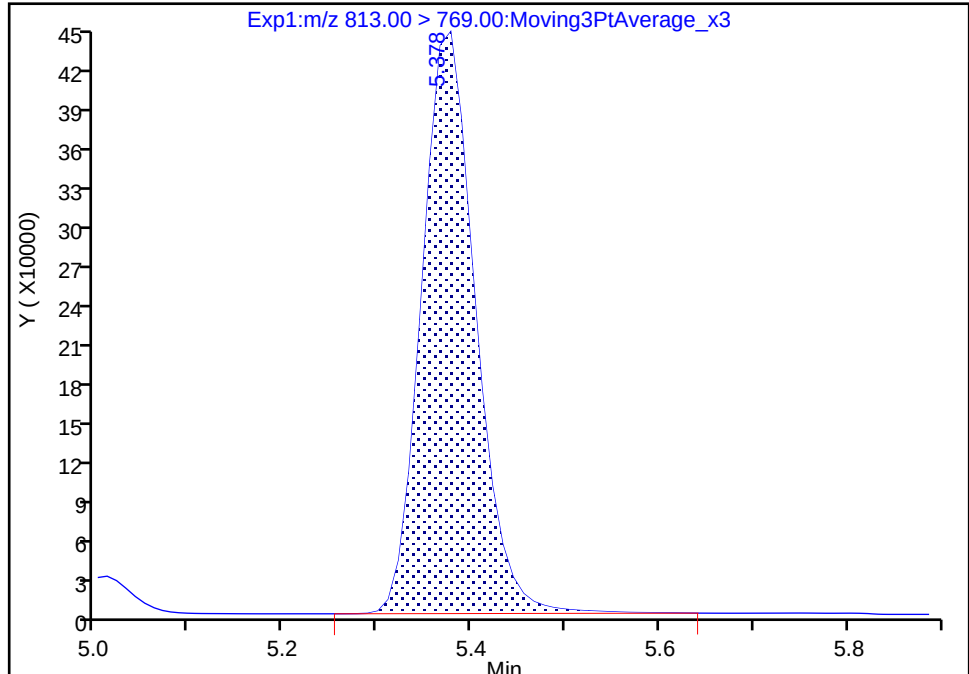
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

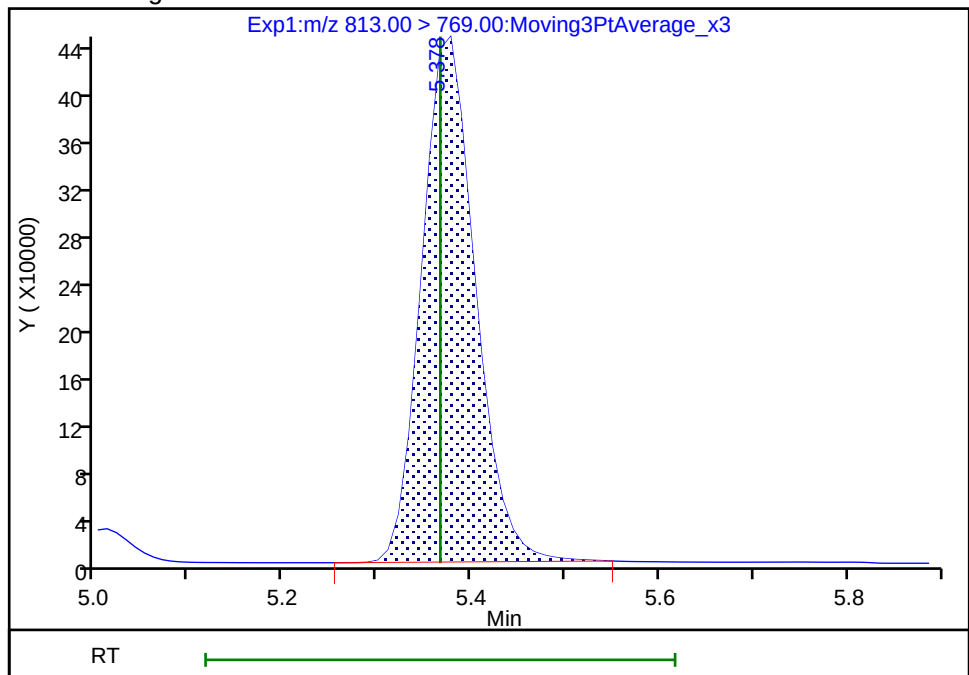
RT: 5.38
Area: 1762767
Amount: 0.891091
Amount Units: ng/ml

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
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Eurofins Burlington

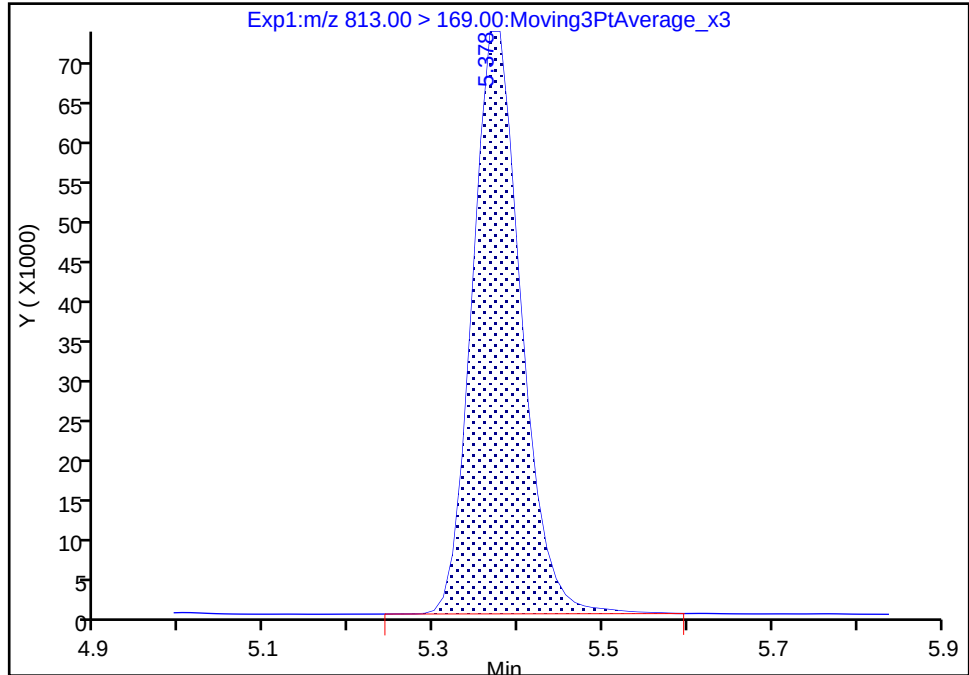
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

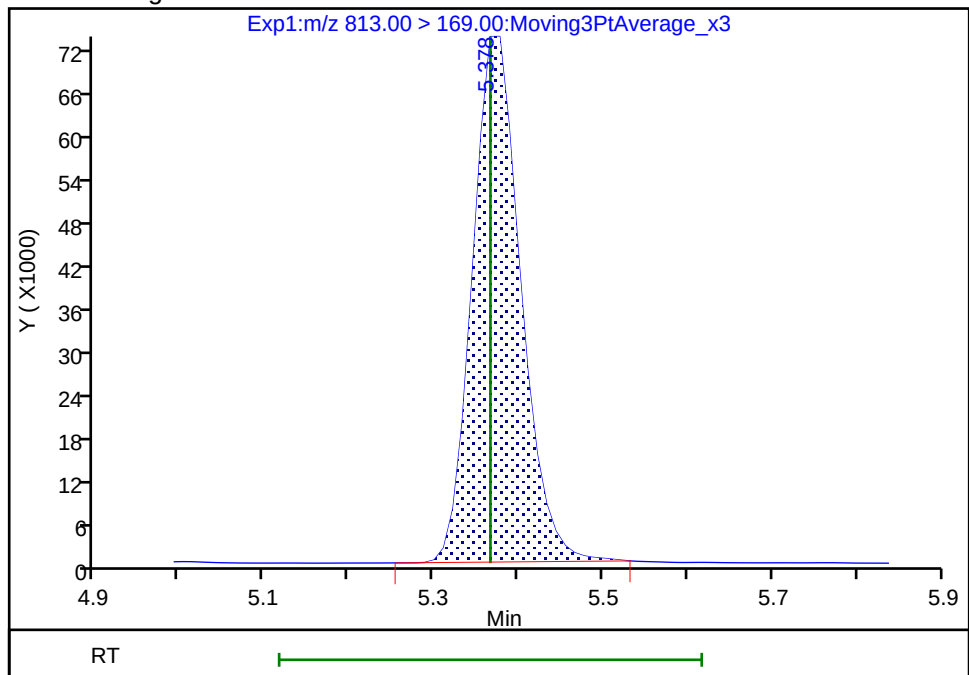
RT: 5.38
Area: 294445
Amount: 0.891091
Amount Units: ng/ml

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
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Eurofins Burlington

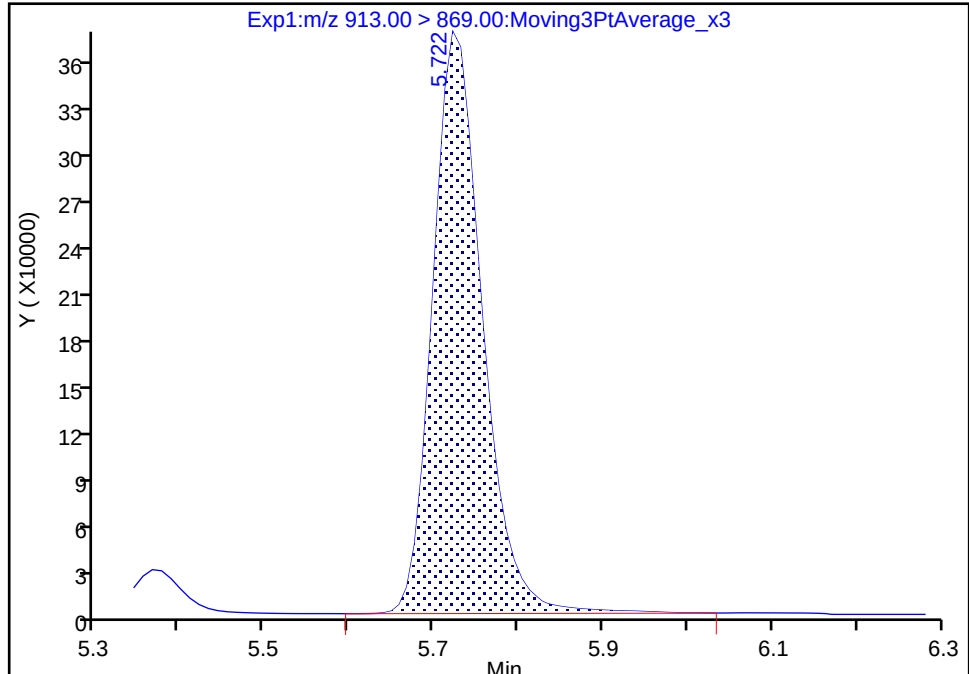
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

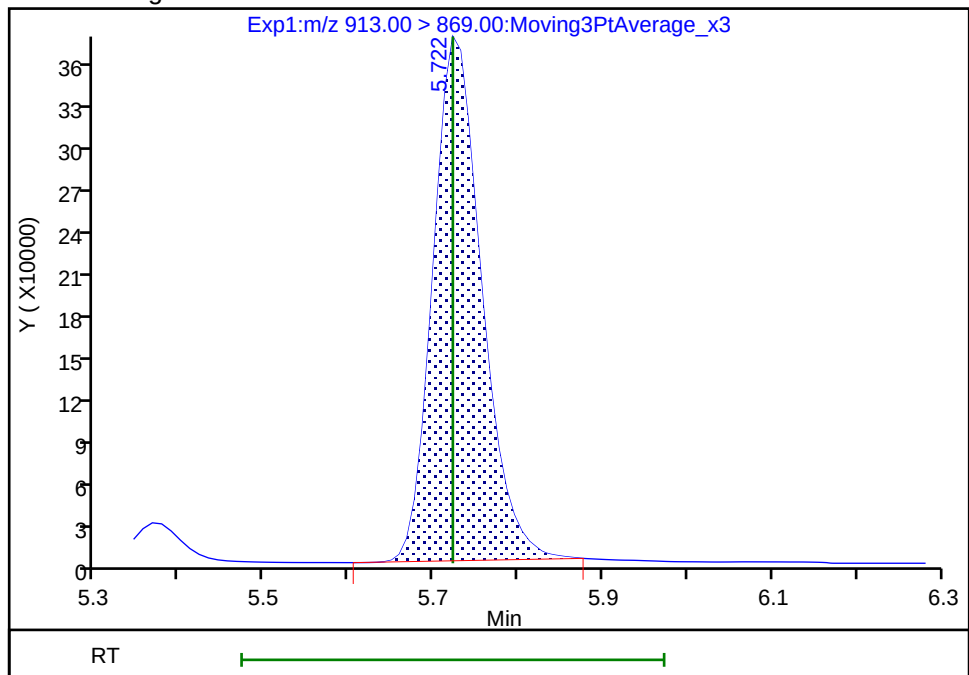
RT: 5.72
Area: 1522976
Amount: 0.876013
Amount Units: ng/ml

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
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Eurofins Burlington

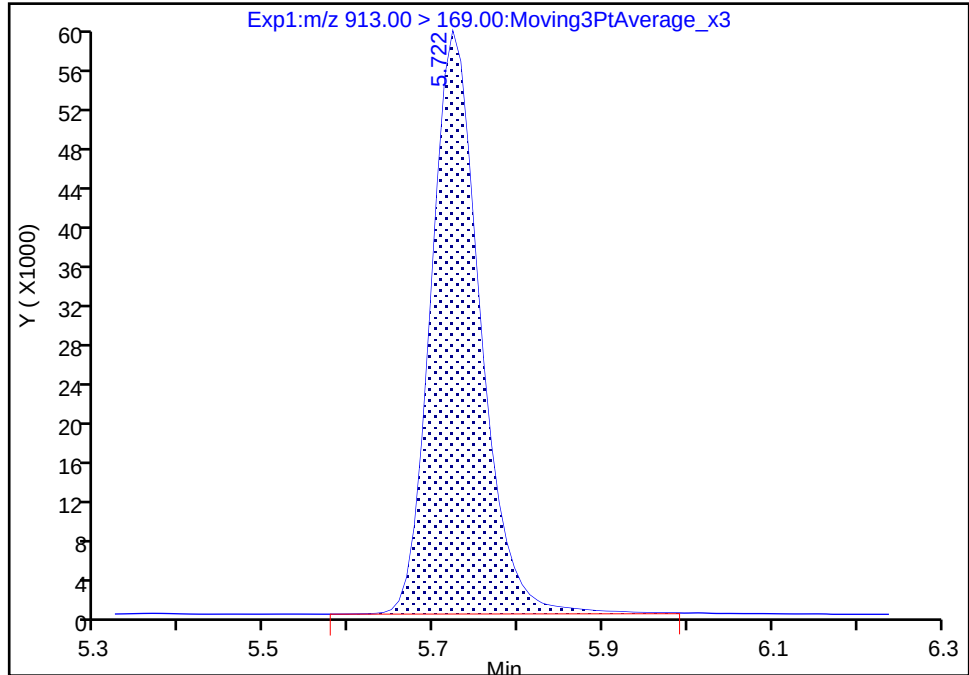
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL12.d
Injection Date: 18-Nov-2022 15:27:08 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

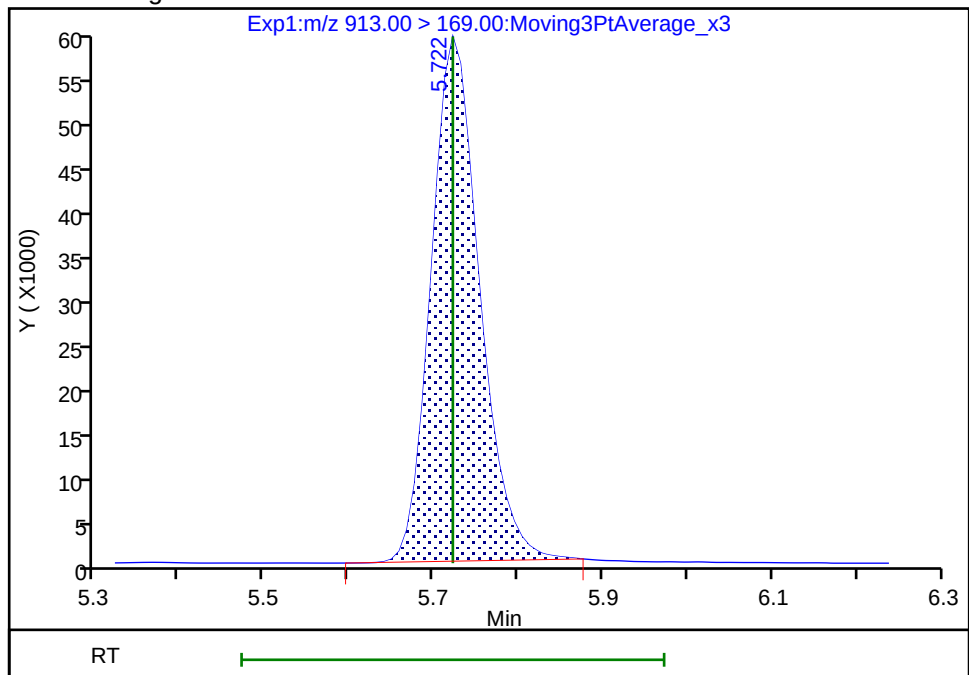
RT: 5.72
Area: 238468
Amount: 0.876013
Amount Units: ng/ml

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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PM

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-269761-1

SDG No.: _____

Lab Sample ID: CCVLIS 200-186193/5 Calibration Date: 11/30/2022 09:49

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: PA221130A05.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	1.031	1.045		0.127	0.125	1.3	50.0
Perfluoropentanoic acid (PFPeA)	AveID	1.090	1.178		0.0540	0.0500	8.1	50.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.144	1.106		0.0427	0.0442	-3.3	50.0
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	3.081	2.614		0.0396	0.0467	-15.2	50.0
Perfluorohexanoic acid (PFHxA)	AveID	1.090	1.025		0.0470	0.0500	-5.9	50.0
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.335	1.244		0.0437	0.0469	-6.8	50.0
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.056	1.039		0.0984	0.100	-1.6	50.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.129	1.153		0.0465	0.0455	2.2	50.0
Perfluoroheptanoic acid (PFHpA)	AveID	1.089	1.048		0.0481	0.0500	-3.7	50.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	5.507	5.237		0.0448	0.0471	-4.9	50.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.397	1.296		0.0442	0.0476	-7.2	50.0
6:2 FTS	L1ID		2.026		0.102	0.119	-14.1	50.0
Perfluorooctanoic acid (PFOA)	AveID	1.069	1.034		0.0484	0.0500	-3.3	50.0
Perfluorooctanesulfonic acid (PFOS)	AveID	1.216	1.239		0.0473	0.0464	1.9	50.0
Perfluorononanoic acid (PFNA)	AveID	1.037	1.004		0.0484	0.0500	-3.2	50.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	AveID	2.791	2.721		0.0454	0.0466	-2.5	50.0
Perfluorononanesulfonic acid (PFNS)	AveID	0.9179	0.7977		0.0417	0.0480	-13.1	50.0
8:2 FTS	AveID	1.617	1.590		0.0471	0.0479	-1.7	50.0
Perfluorodecanoic acid (PFDA)	AveID	1.084	0.9846		0.0454	0.0500	-9.2	50.0
Perfluorooctanesulfonamide (FOSA)	AveID	1.045	0.9432		0.0451	0.0500	-9.7	50.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	L1ID		0.9571		0.127	0.125	2.0	50.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.7248	0.6745		0.0449	0.0482	-6.9	50.0
Perfluoroundecanoic acid (PFUnA)	AveID	1.008	1.044		0.0518	0.0500	3.6	50.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.8953	0.8409		0.117	0.125	-6.1	50.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF)	AveID	4.303	4.276		0.0468	0.0471	-0.6	50.0
Perfluorododecanoic acid (PFDoA)	AveID	1.059	0.9814		0.0463	0.0500	-7.4	50.0
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	AveID	0.9717	0.8455		0.0419	0.0482	-13.0	50.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.3067	0.3081		0.0486	0.0484	0.5	50.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-269761-1
 SDG No.: _____
 Lab Sample ID: CCVLIS 200-186193/5 Calibration Date: 11/30/2022 09:49
 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: PA221130A05.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	0.9652		0.0476	0.0500	-4.7	50.0
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1369	0.1295		0.0473	0.0500	-5.4	50.0
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		1.131		0.0444	0.0500	-11.2	50.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.8236	0.8251		0.0501	0.0500	0.2	50.0
13C4 PFBA	Ave	1.122	1.073		1.20	1.25	-4.4	
13C5 PFPeA	Ave	0.8543	0.8454		1.24	1.25	-1.0	
13C3 PFBS	Ave	0.9281	0.9714		1.22	1.16	4.7	
M2-4:2 FTS	Ave	0.0820	0.0890		1.27	1.17	8.5	
13C2 PFHxA	Ave	0.8951	0.8963		1.25	1.25	0.1	
13C3 HFPO-DA	Ave	0.1580	0.1592		1.26	1.25	0.7	
18O2 PFHxS	Ave	0.6761	0.7175		1.26	1.18	6.1	
13C4 PFHpA	Ave	0.9206	0.9380		1.27	1.25	1.9	
M2-6:2 FTS	Ave	0.1134	0.1227		1.29	1.19	8.2	
13C4 PFOA	Ave	1.035	0.9846		1.19	1.25	-4.9	
13C4 PFOS	Ave	0.4588	0.4755		1.24	1.20	3.6	
13C5 PFNA	Ave	1.006	1.041		1.29	1.25	3.5	
13C2 PFDA	Ave	1.025	1.104		1.35	1.25	7.7	
M2-8:2 FTS	Ave	0.1387	0.1497		1.29	1.20	7.9	
13C8 FOSA	Ave	0.8403	0.8934		1.33	1.25	6.3	
d3-NMeFOSAA	Ave	0.2087	0.2087		1.25	1.25	-0.0	
13C2 PFUnA	Ave	0.9385	0.9935		1.32	1.25	5.9	
d5-NEtFOSAA	Ave	0.2055	0.2078		1.26	1.25	1.1	
13C2 PFDoA	Ave	0.9562	0.9634		1.26	1.25	0.8	
13C2 PFTeDA	Ave	0.8270	0.8447		1.28	1.25	2.1	
13C2 PFHxDA	Ave	1.022	1.078		1.32	1.25	5.5	

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d
 Lims ID: CCVLIS
 Client ID:
 Sample Type: CCVLIS
 Inject. Date: 30-Nov-2022 09:49:18 ALS Bottle#: 2 Worklist Smp#: 5
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: CCVLIS
 Misc. Info.: 200-0053485-005 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 01-Dec-2022 08:24:50 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: CTX1681

First Level Reviewer: Z1IP

Date: 30-Nov-2022 16:29:08

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	0.607	2570447	1.20		95.6	9368	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.093	2.076	0.017	1.000	268584	0.1267		101	23.6	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.387	0.013	0.696	2026232	1.24		99.0	4132	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.400	2.387	0.013	1.000	95460	0.0540		108	2.5	M
D 47 13C3 PFBS										
301.90 > 80.00	2.413	2.400	0.013	0.700	2165250	1.22		105	738836	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.413	2.400	0.013	1.000	91041	0.0427	Target=2.09	96.7	108	
298.90 > 99.00	2.413	2.400	0.013	1.000	43849		2.08(1.04-3.13)		34.5	
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.701	2.689	0.012	1.000	20822	0.0396		84.8	301	
D 60 M2-4:2 FTS										
329.00 > 81.00	2.701	2.689	0.012	0.783	199150	1.27		108	202	
D 7 13C2 PFHxA										
315.00 > 270.00	2.737	2.725	0.012	0.794	2148148	1.25		100	3492	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.737	2.725	0.012	1.000	88069	0.0470	Target=14.25	94.1	17.4	M
313.00 > 119.00	2.737	2.725	0.012	1.000	5482		16.07(7.12-21.37)		8.5	M
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.737	2.737	0.0	0.887	80277	0.0437	Target=3.04	93.2	155	
349.00 > 99.00	2.737	2.737	0.0	0.887	27648		2.90(1.52-4.56)		54.2	
67 Perfluoro(2-propoxypropanoic) ac										
285.00 > 169.00	2.847	2.835	0.012	1.000	31693	0.0984		98.4	204	

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	0.826	381437	1.26		101	2788	
D 11 18O2 PFHxS										
403.00 > 84.00	3.088	3.088	0.0	0.896	1626677	1.25		106	4019	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.088	3.088	0.0	1.000	72164	0.0465	Target=3.66	102	184	M
399.00 > 99.00	3.088	3.088	0.0	1.000	22160		3.26(1.83-5.49)		31.6	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.099	3.099	0.0	0.899	2248178	1.27		102	3100	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.099	3.099	0.0	1.000	94266	0.0481	Target=3.97	96.3	18.9	M
363.00 > 169.00	3.099	3.099	0.0	1.000	23313		4.04(1.98-5.95)		49.3	M
77 DONA										
377.00 > 251.00	3.132	3.132	0.0	0.834	224872	0.0448	Target=3.16	95.1	274	M
377.00 > 85.00	3.132	3.132	0.0	0.834	68198		3.30(1.58-4.73)		97.6	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.439	3.439	0.0	0.997	279302	1.28		108	899	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.439	3.439	0.0	1.000	56478	0.1018		85.9	53.1	
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.430	3.439	-0.009	0.914	56234	0.0442	Target=5.14	92.8	172	M
449.00 > 99.00	3.430	3.439	-0.009	0.914	12405		4.53(2.57-7.72)		53.1	M
D 14 13C4 PFOA										
417.00 > 372.00	3.448	3.448	0.0	1.000	2359848	1.19		95.1	4661	
* 62 13C2 PFOA										
415.00 > 370.00	3.448	3.448	0.0		2396680	1.25			3670	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.448	3.448	0.0	1.000	97630	0.0484	Target=2.79	96.7	6.7	M
413.00 > 169.00	3.448	3.448	0.0	1.000	36573		2.67(1.40-4.19)		54.8	
D 18 13C4 PFOS										
503.00 > 80.00	3.754	3.764	-0.010	1.089	1089406	1.24		104	2697	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.764	3.764	0.0	1.003	52428	0.0473	Target=5.11	102	32.5	M
499.00 > 99.00	3.754	3.764	-0.010	1.000	12021		4.36(2.55-7.66)		22.7	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.783	3.783	0.0	1.003	100186	0.0484	Target=8.55	96.8	23.2	M
463.00 > 169.00	3.783	3.783	0.0	1.003	11379		8.80(4.28-12.83)		98.7	M
D 19 13C5 PFNA										
468.00 > 423.00	3.773	3.783	-0.010	1.094	2493945	1.29		103	3997	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.928	3.928	0.0	1.046	115585	0.0454		97.5	543	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.051	4.050	0.001	1.079	34906	0.0417	Target=2.53	86.9	280	M
549.00 > 99.00	4.051	4.050	0.001	1.079	14809		2.36(1.27-3.80)		113	M
D 23 13C2 PFDA										
515.00 > 470.00	4.071	4.081	-0.010	1.181	2646819	1.35		108	5622	

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	1.003	104239	0.0454	Target=10.26	90.8	39.7	M
513.00 > 169.00	4.081	4.081	0.0	1.003	9649		10.80(5.13-15.38)		22.9	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.081	4.093	-0.012	1.184	343723	1.29		108	1141	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.081	4.093	-0.012	1.000	21859	0.0471		98.3	265	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.150	4.150	0.0	1.000	80778	0.0451		90.3	203	
D 21 13C8 FOSA										
506.00 > 78.00	4.150	4.150	0.0	1.204	2141170	1.33		106	2550	
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.217	4.228	-0.011	1.223	500107	1.25		100.0	2074	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.228	4.228	0.0	1.002	47863	0.1274		102	145	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.320	4.331	-0.011	1.151	29637	0.0449	Target=2.51	93.1	290	
599.00 > 99.00	4.320	4.331	-0.011	1.151	12396		2.39(1.25-3.76)		181	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.342	4.353	-0.011	1.259	2381081	1.32		106	3961	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.342	4.353	-0.011	1.000	99481	0.0518	Target=9.88	104	50.9	
563.00 > 169.00	4.342	4.353	-0.011	1.000	10290		9.67(4.94-14.82)		102	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.353	4.365	-0.012	1.000	41878	0.1174		93.9	287	M
D 32 d5-NEtFOSAA										M
589.00 > 419.00	4.353	4.365	-0.012	1.263	498027	1.26		101	853	M
66 11-Chloroeicosafuoro-3-oxaundec										M
631.00 > 451.00	4.443	4.454	-0.011	1.183	183597	0.0468		99.4	678	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.580	4.591	-0.011	1.000	90647	0.0463	Target=7.77	92.6	7.2	M
613.00 > 169.00	4.580	4.591	-0.011	1.000	12705		7.13(3.89-11.66)		122	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.580	4.591	-0.011	1.328	2309044	1.26		101	2270	
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.602	4.612	-0.010	1.127	11698	0.0419		87.0	141	M
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.758	4.776	-0.018	1.267	13593	0.0486	Target=0.50	100	109	M
699.00 > 99.00	4.758	4.776	-0.018	1.267	26353		0.52(0.25-0.76)		496	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.794	4.804	-0.010	1.047	89144	0.0476	Target=5.21	95.3	7.7	M
663.00 > 169.00	4.785	4.804	-0.019	1.045	15643		5.70(2.60-7.81)		99.1	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	4.992	5.012	-0.020	1.000	10484	0.0473	Target=0.89	94.6	121	M
713.00 > 219.00	4.982	5.012	-0.030	0.998	12849		0.82(0.44-1.33)		156	M
D 43 13C2 PFTeDA										
715.00 > 670.00	4.992	5.012	-0.020	1.448	2024462	1.28		102	4816	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.344	5.367	-0.023	1.000	116942	0.0444	Target=5.65	88.8	12.0	M
813.00 > 169.00	5.344	5.367	-0.023	1.000	20524		5.70(2.82-8.47)		167	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.344	5.367	-0.023	1.550	2584796	1.32		105	5135	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.686	5.722	-0.036	1.064	85304	0.0501	Target=6.24	100	11.6	M
913.00 > 169.00	5.686	5.722	-0.036	1.064	13189		6.47(3.12-9.36)		153	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\20221130-53485.b\PA221130A05.d

Injection Date: 30-Nov-2022 09:49:18

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

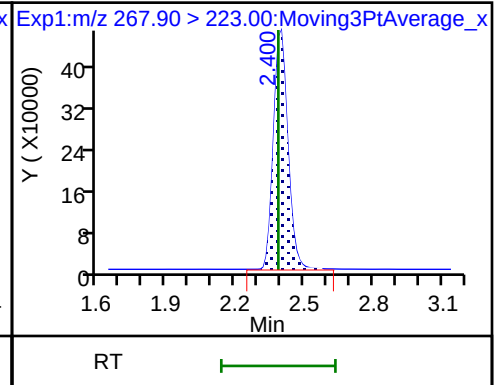
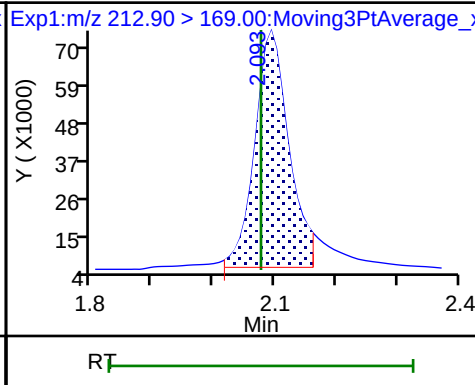
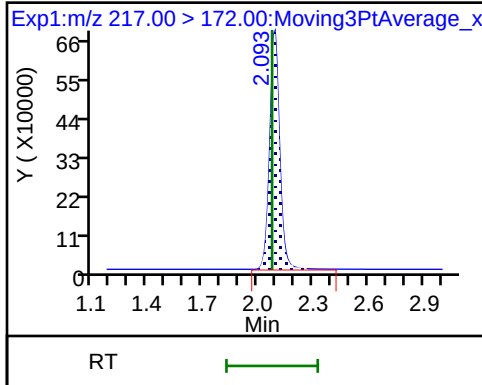
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

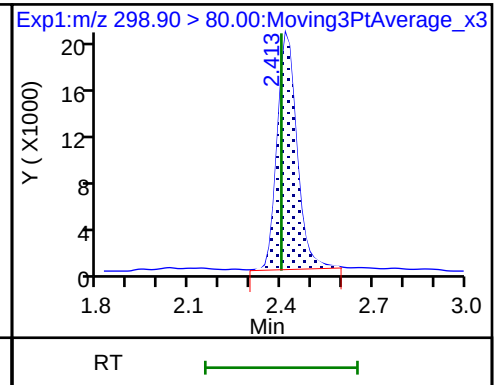
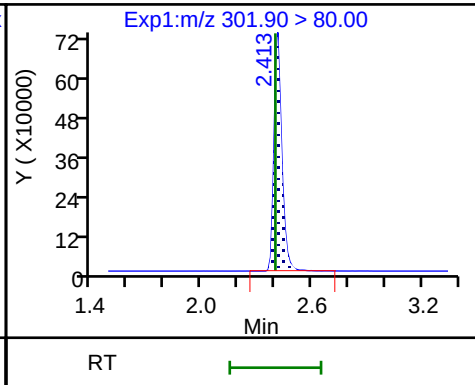
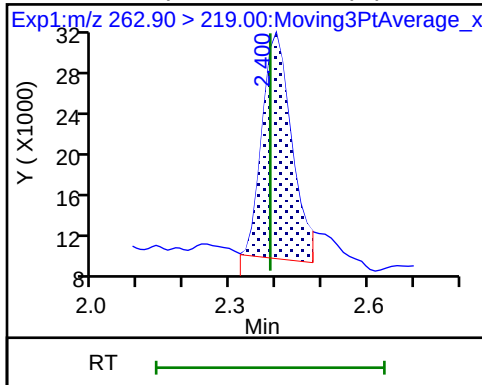
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

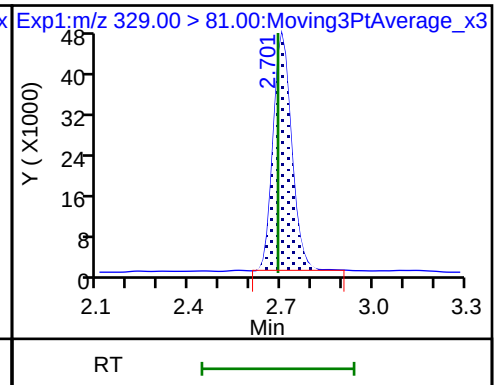
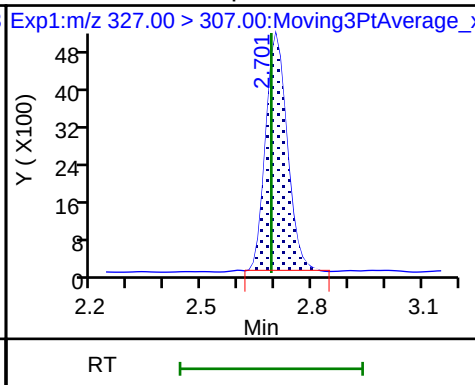
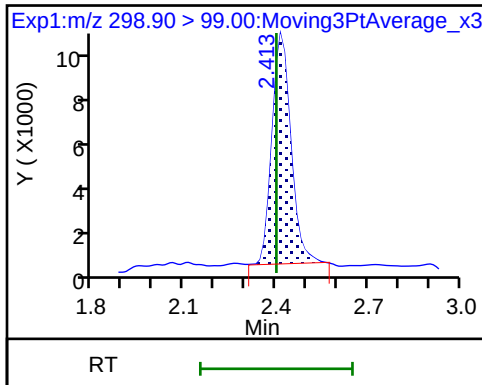
D 47 13C3 PFBS

5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid

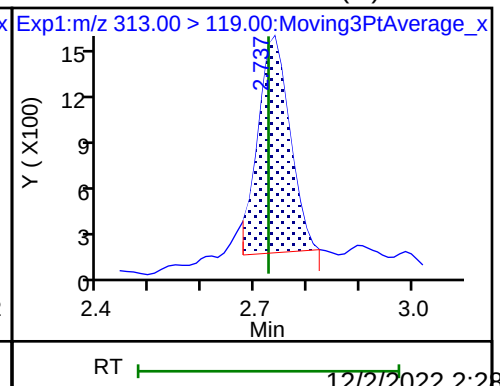
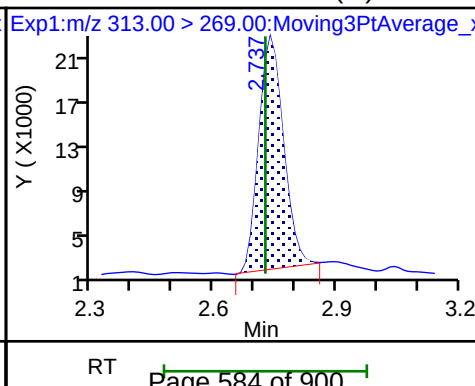
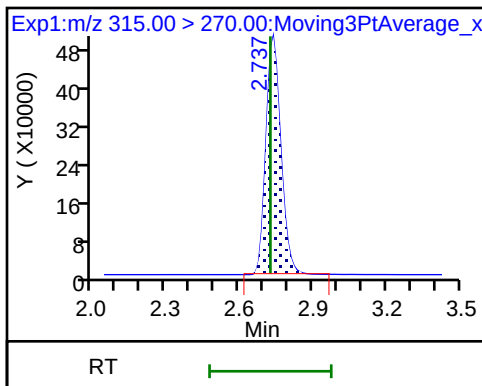
61 1H,1H,2H,2H-perfluorohexanesulfo D 60 M2-4:2 FTS

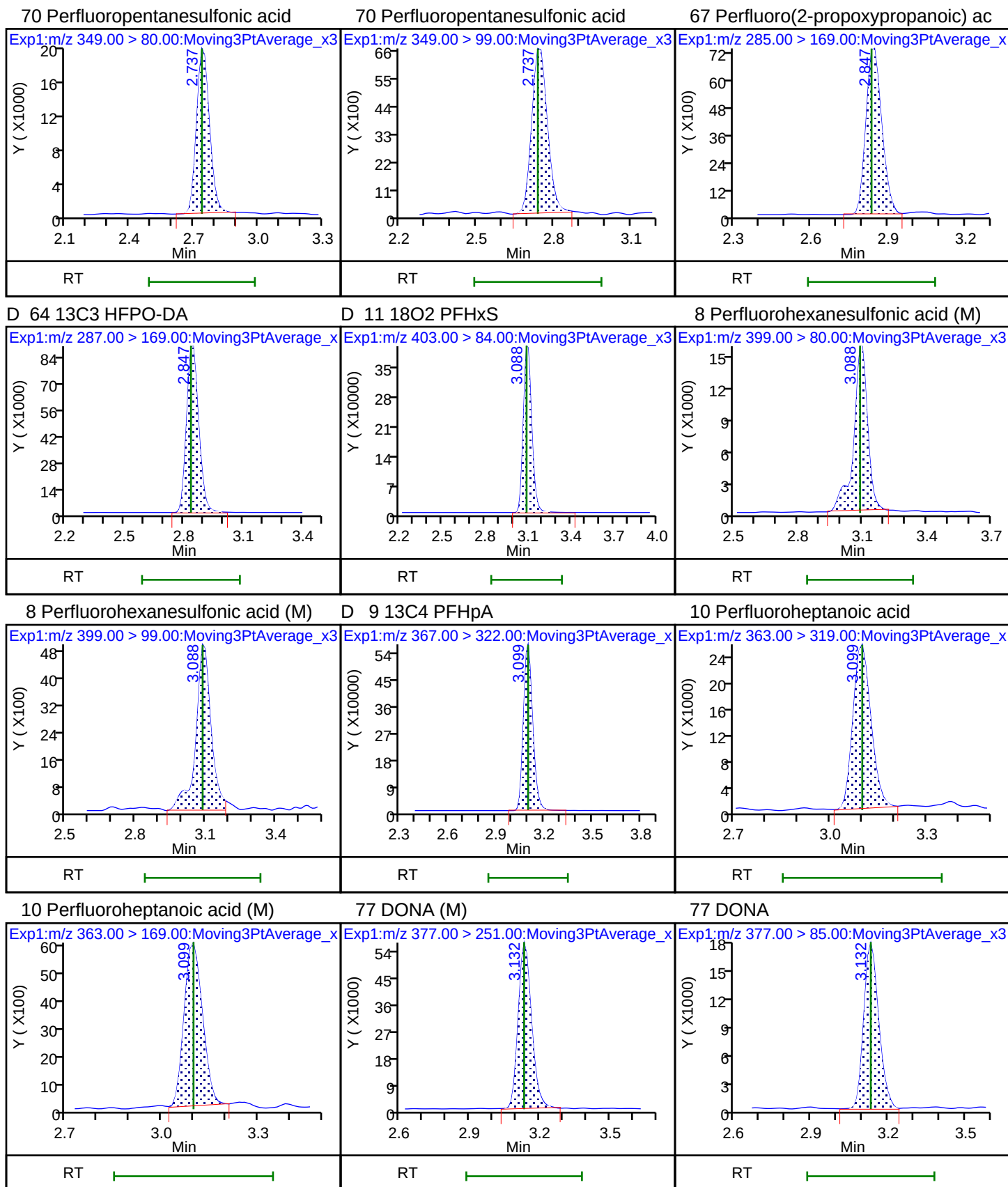


D 7 13C2 PFHxA

6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid (M)

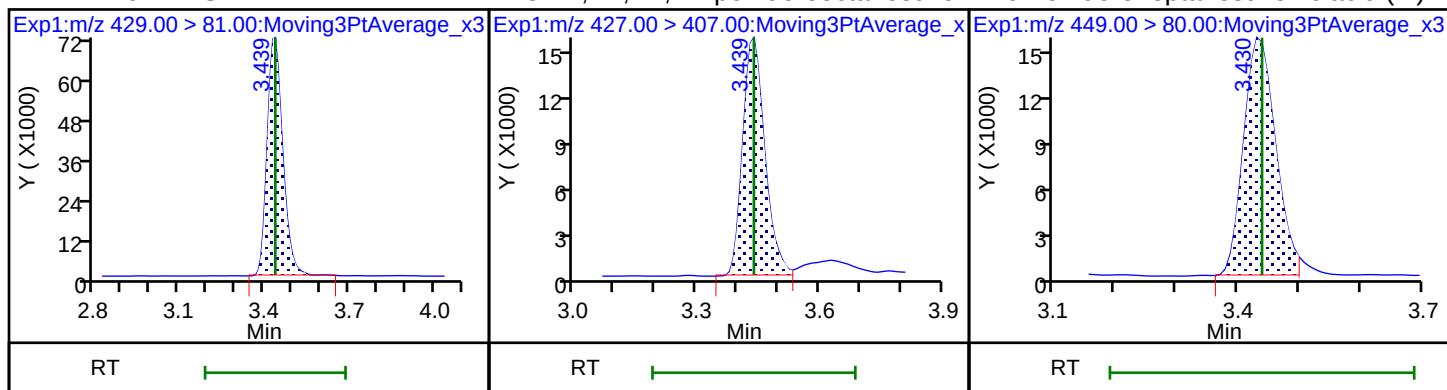




D 12 M2-6:2 FTS

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

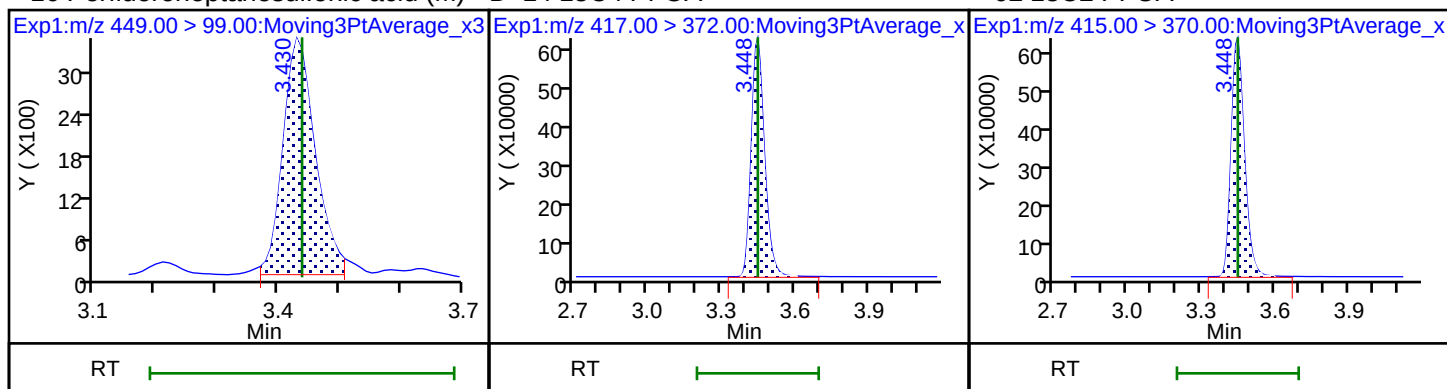
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

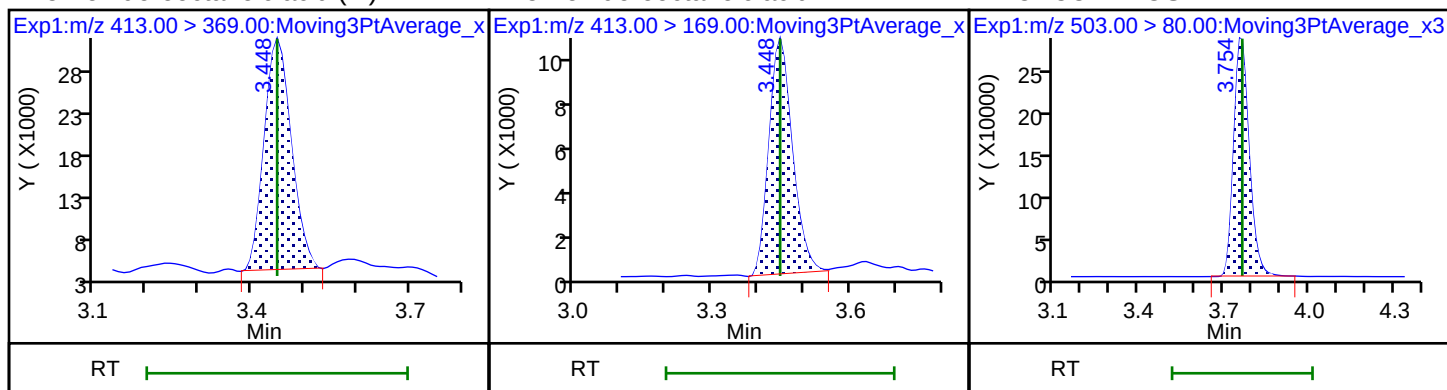
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15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid

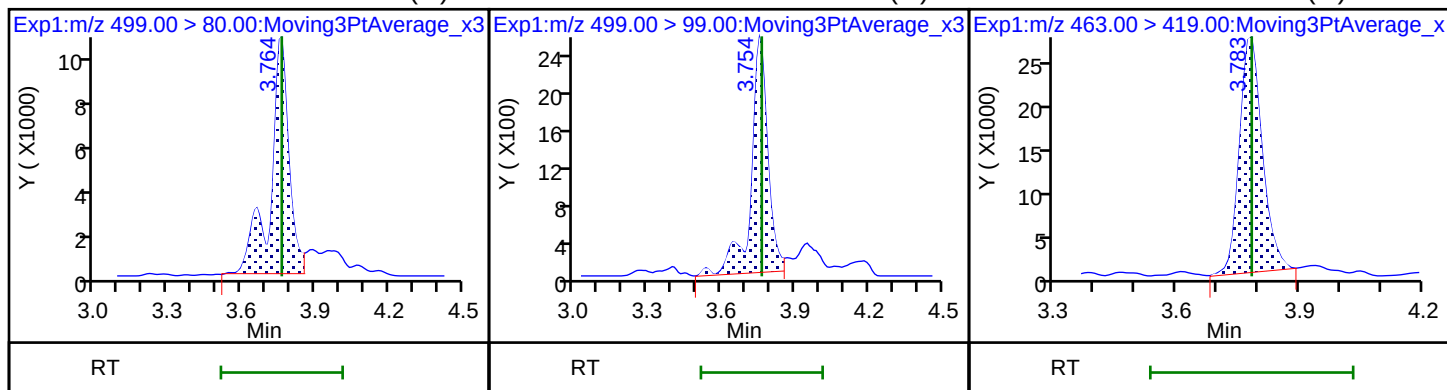
D 18 13C4 PFOS

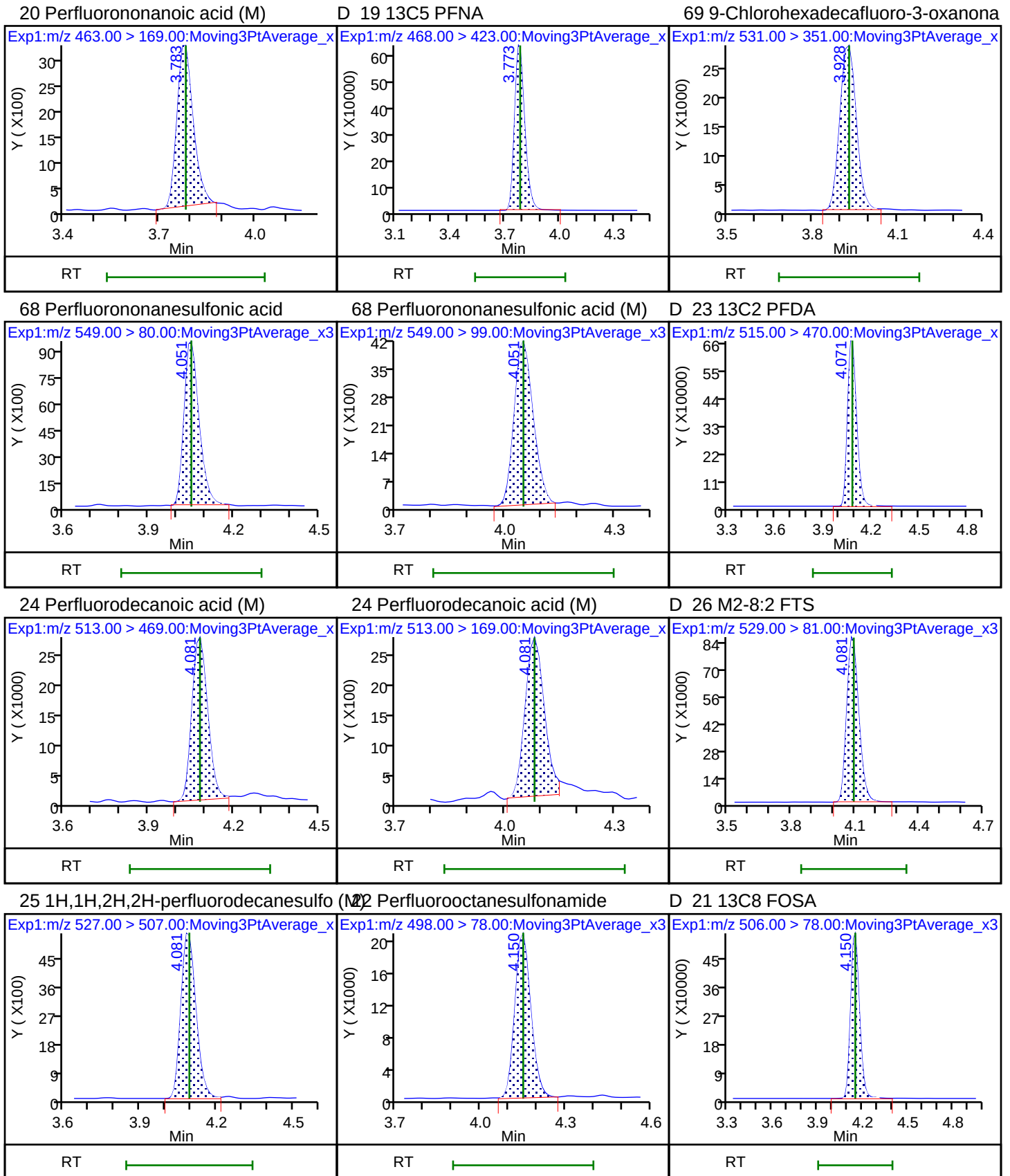


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid (M)

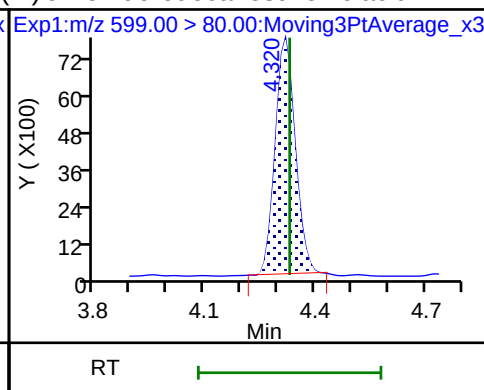
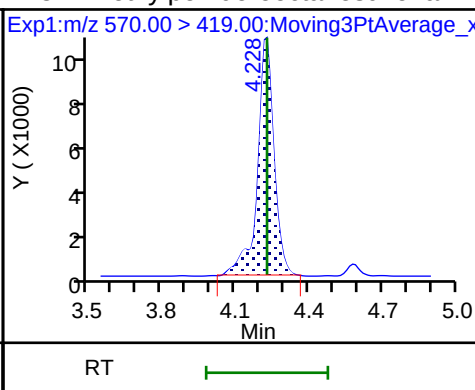
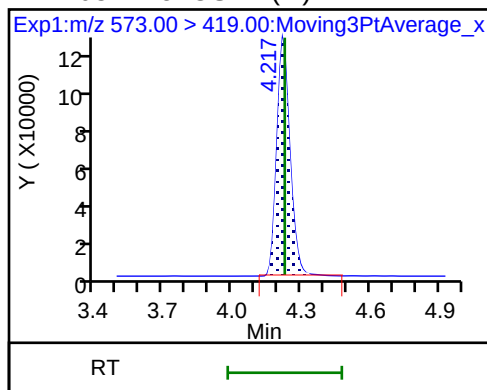




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

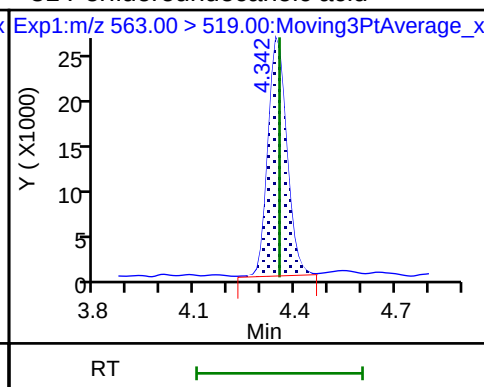
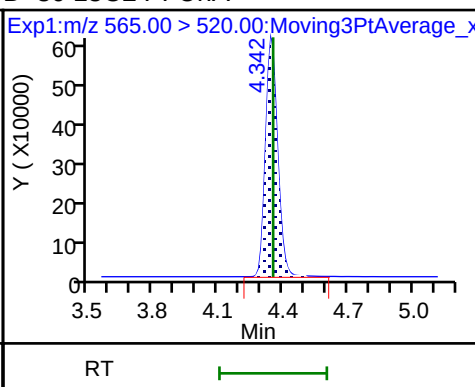
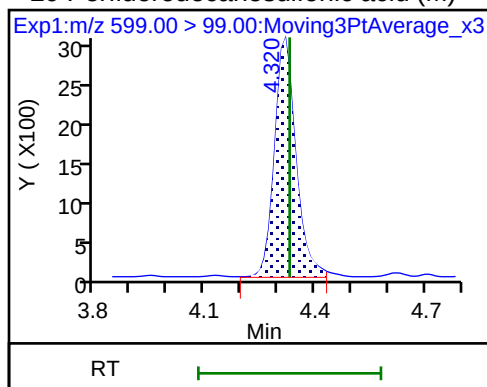
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid (M)

D 30 13C2 PFUnA

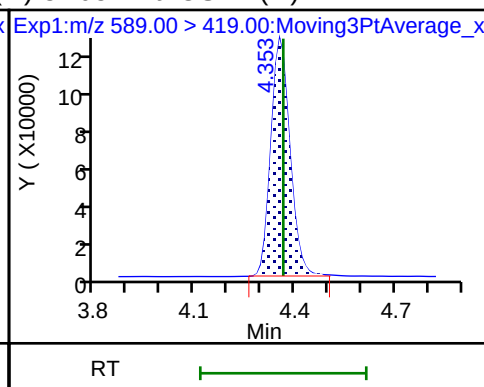
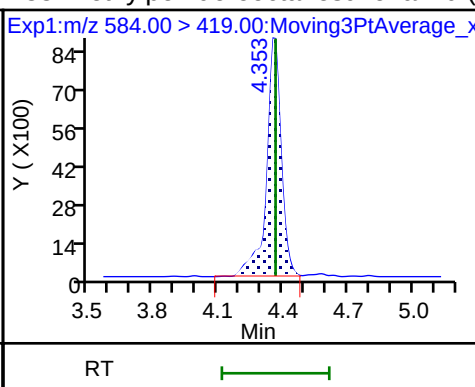
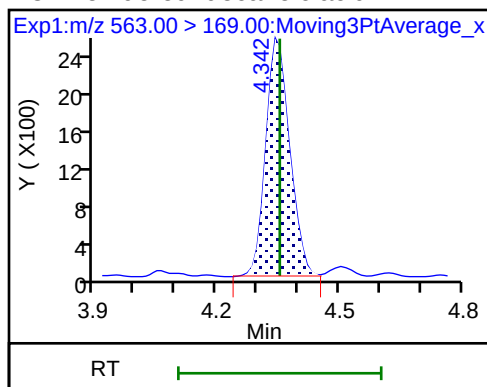
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid

33 N-ethylperfluorooctanesulfonamid (M)

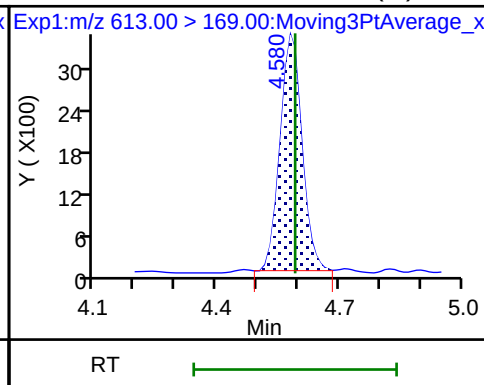
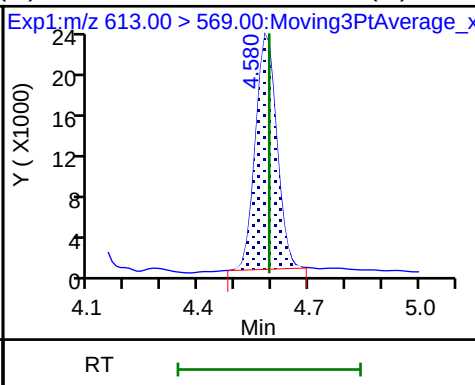
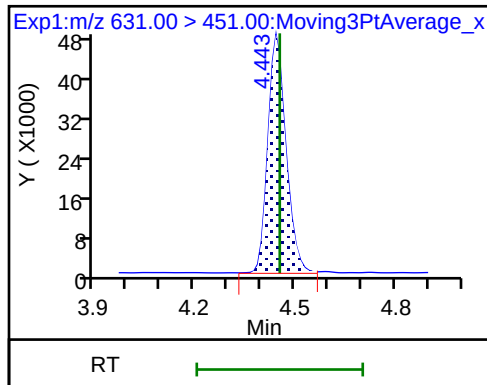
32 d5-NEtFOSAA (M)



66 11-Chloroeicosafluoro-3-oxaundec (M)

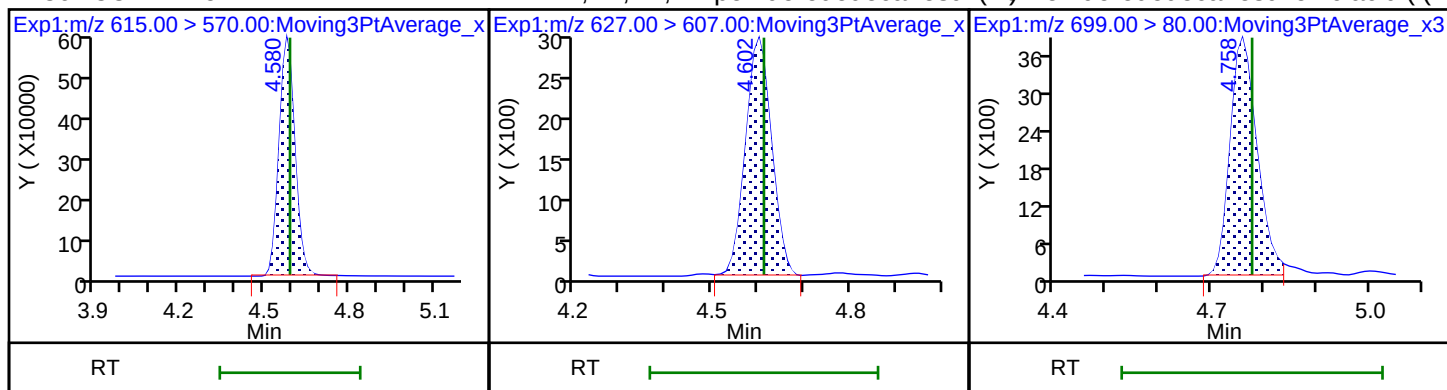
37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid (M)



D 36 13C2 PFDaA

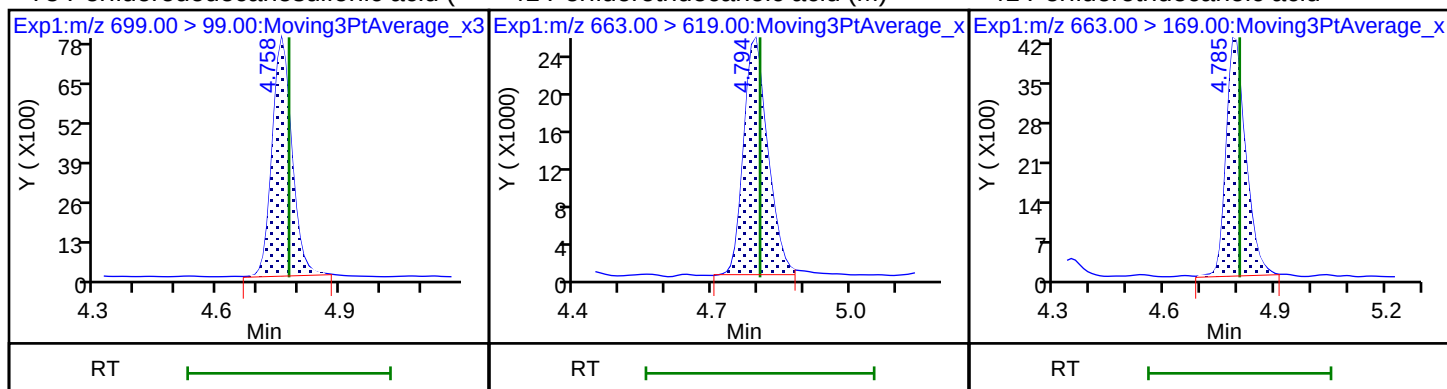
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75 Perfluorododecanesulfonic acid (

41 Perfluorotridecanoic acid (M)

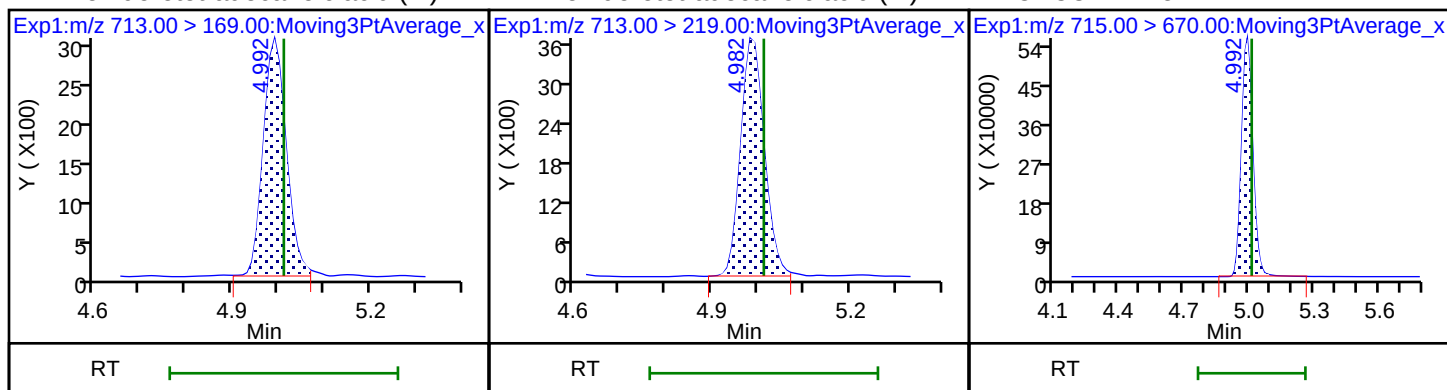
41 Perfluorotridecanoic acid



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

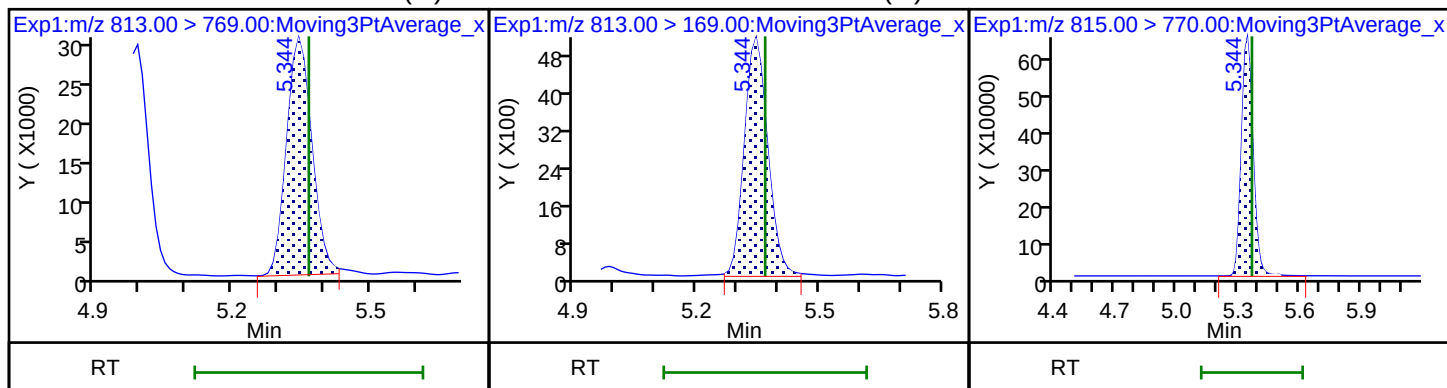
D 43 13C2 PFTeDA



45 Perfluorohexadecanoic acid (M)

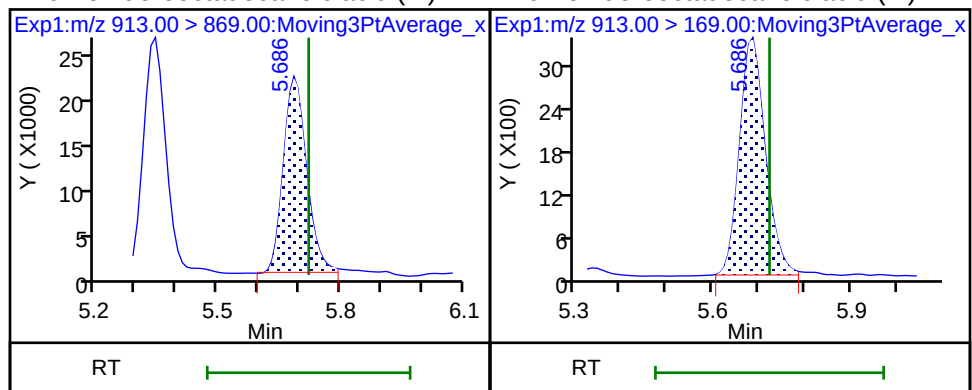
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

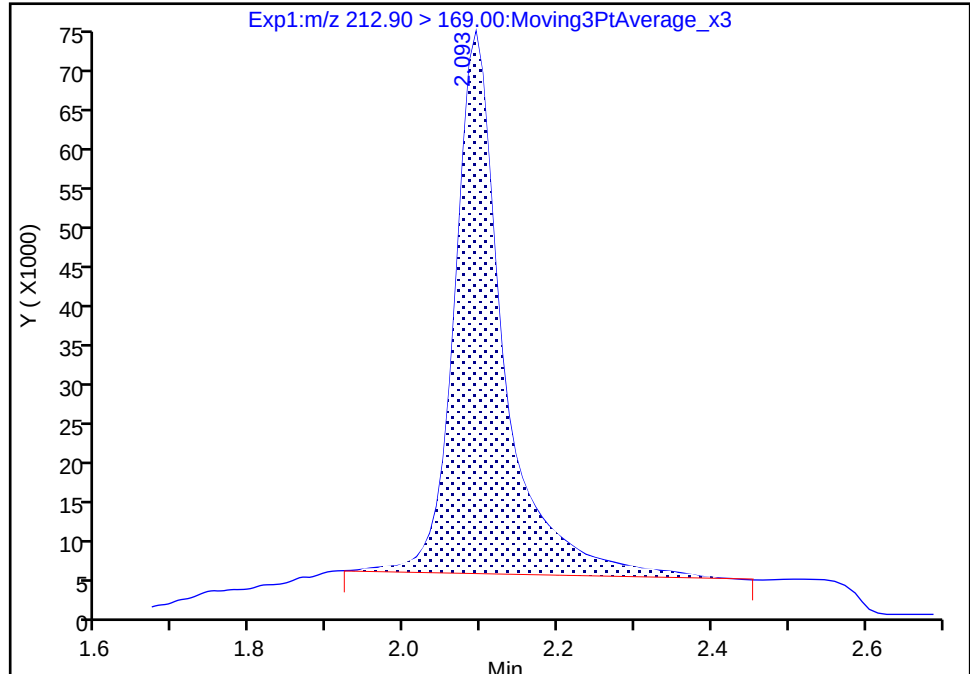
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Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

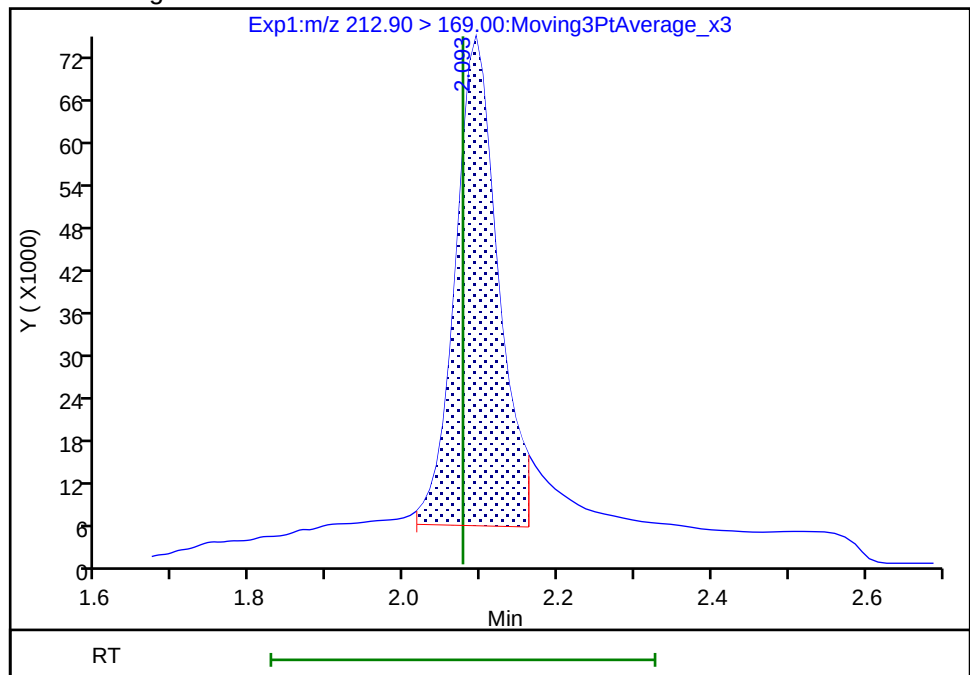
RT: 2.09
Area: 311480
Amount: 0.146889
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 268584
Amount: 0.126660
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:08:46

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

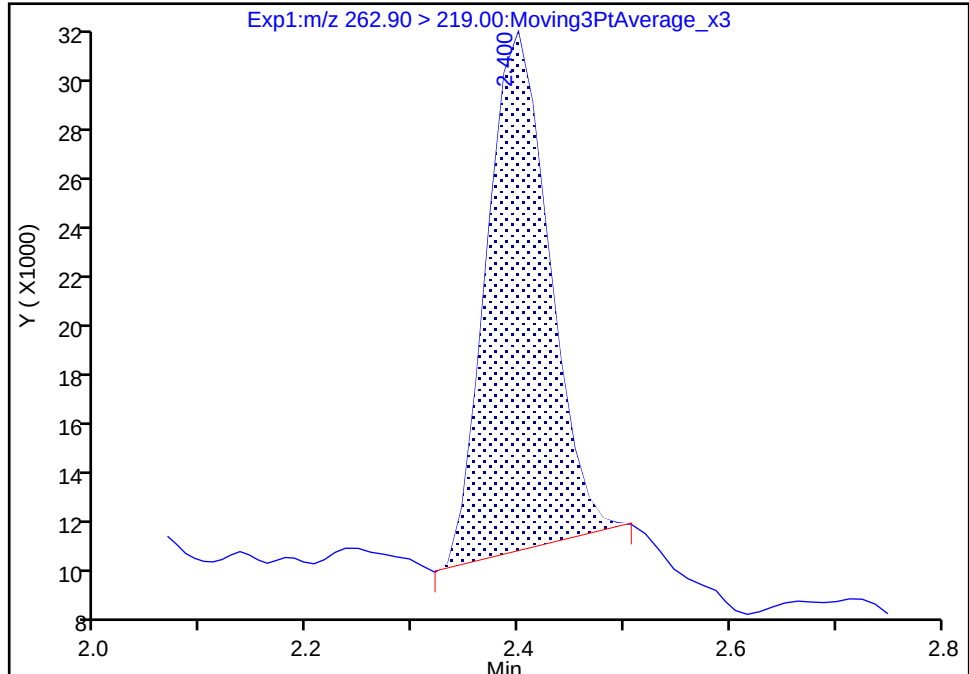
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d
Injection Date: 30-Nov-2022 09:49:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

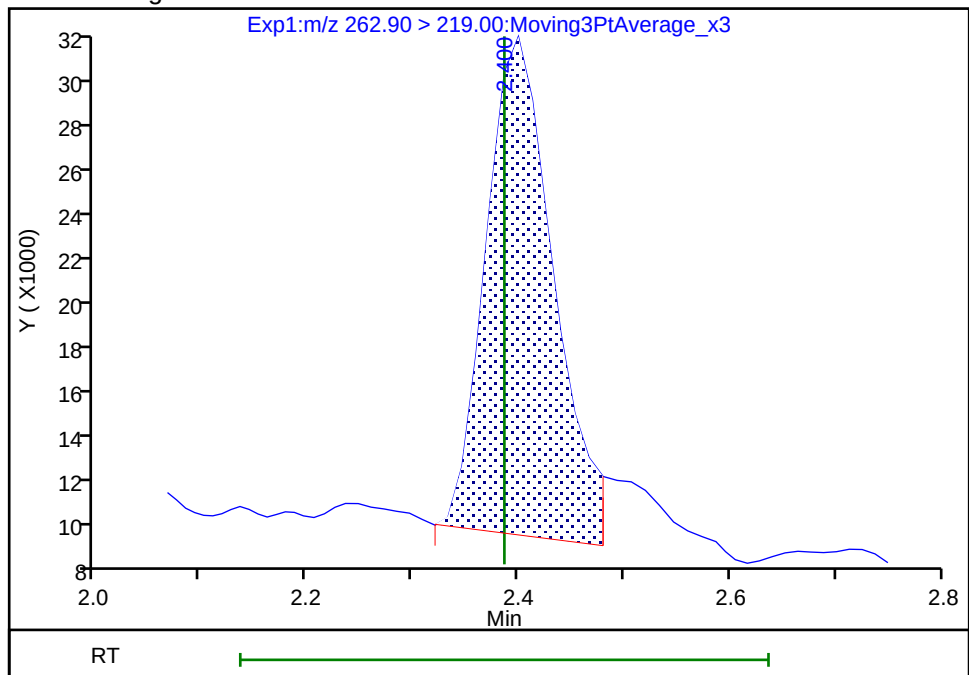
RT: 2.40
Area: 83893
Amount: 0.047489
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 95460
Amount: 0.054036
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:08:28

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

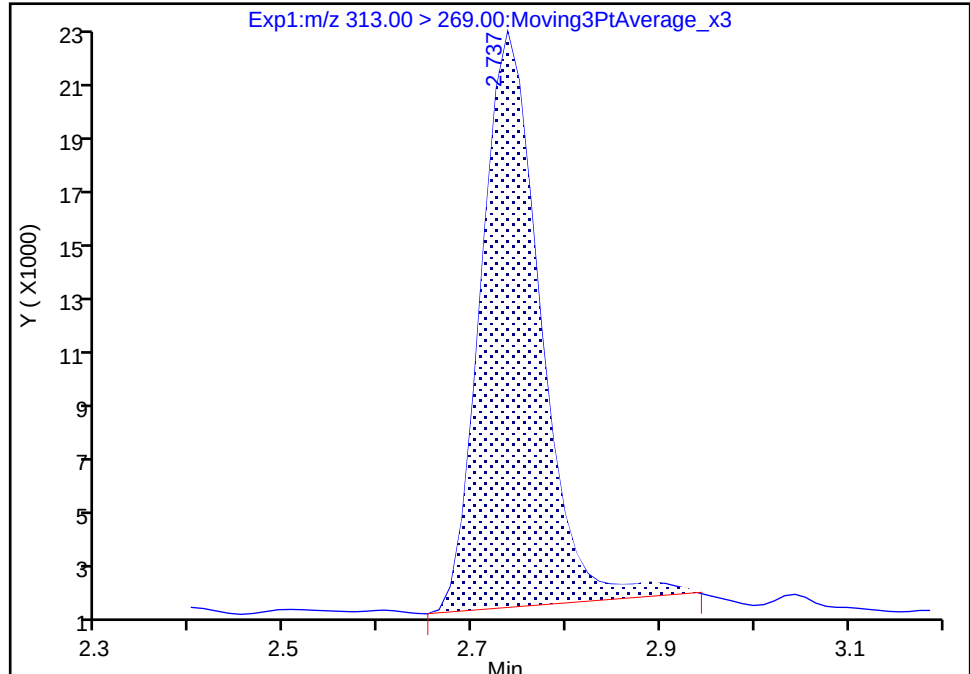
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d
Injection Date: 30-Nov-2022 09:49:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

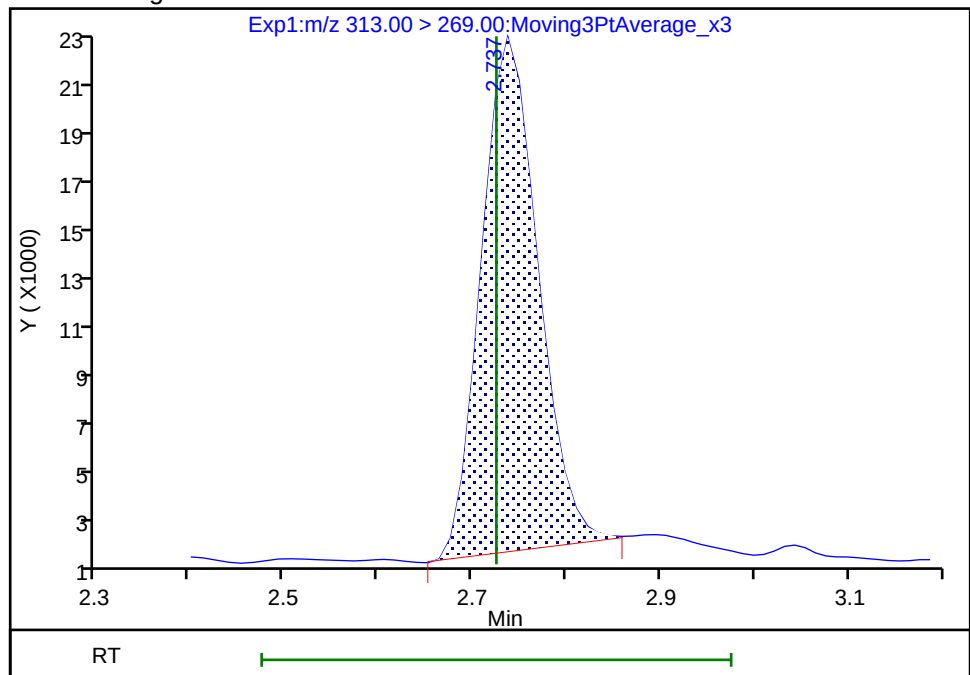
RT: 2.74
Area: 93517
Amount: 0.049942
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 88069
Amount: 0.047032
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:09:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

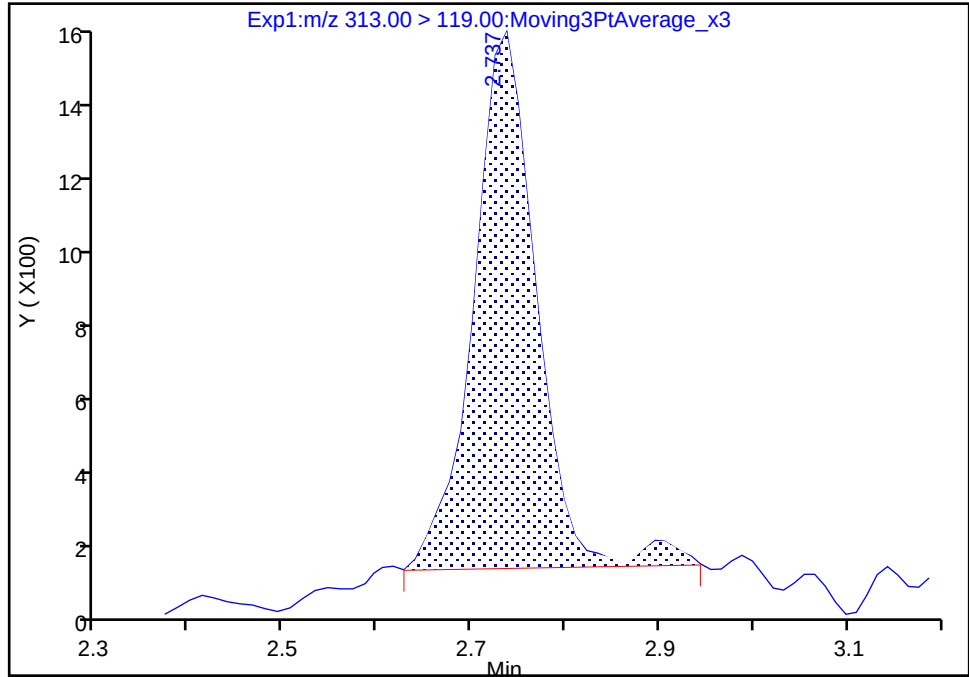
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d
Injection Date: 30-Nov-2022 09:49:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

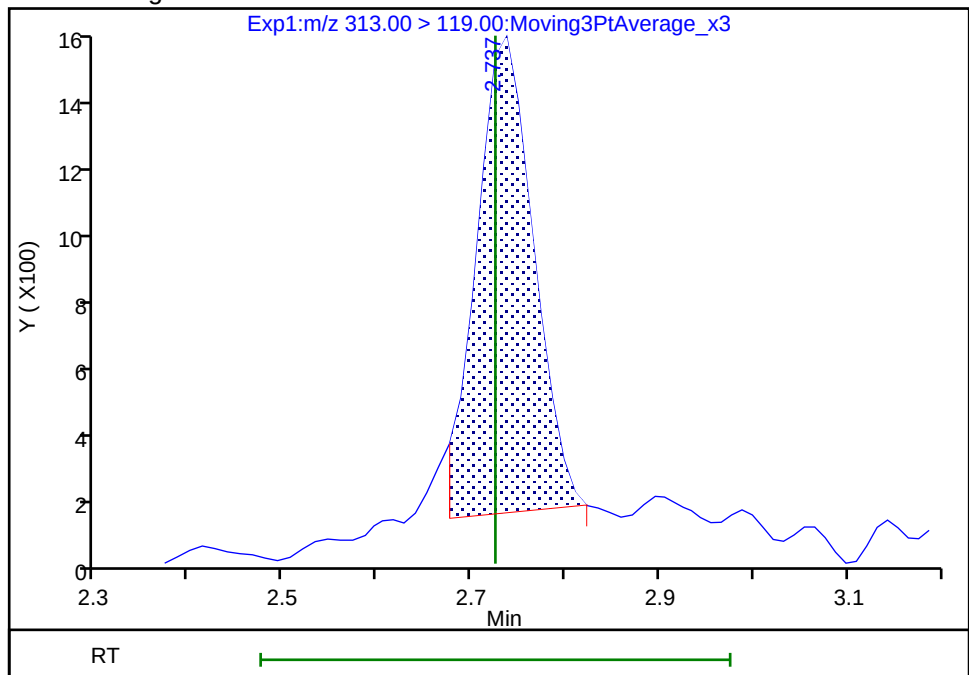
RT: 2.74
Area: 6178
Amount: 0.049942
Amount Units: ng/ml

Processing Integration Results



RT: 2.74
Area: 5482
Amount: 0.047032
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 01-Dec-2022 08:04:30

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

Eurofins Burlington

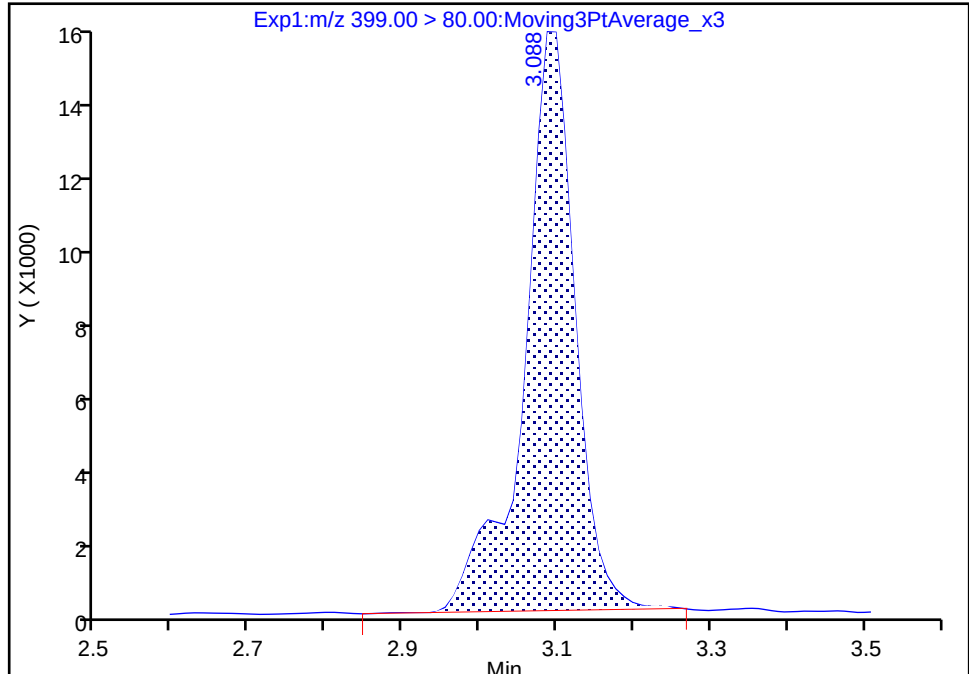
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d
Injection Date: 30-Nov-2022 09:49:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

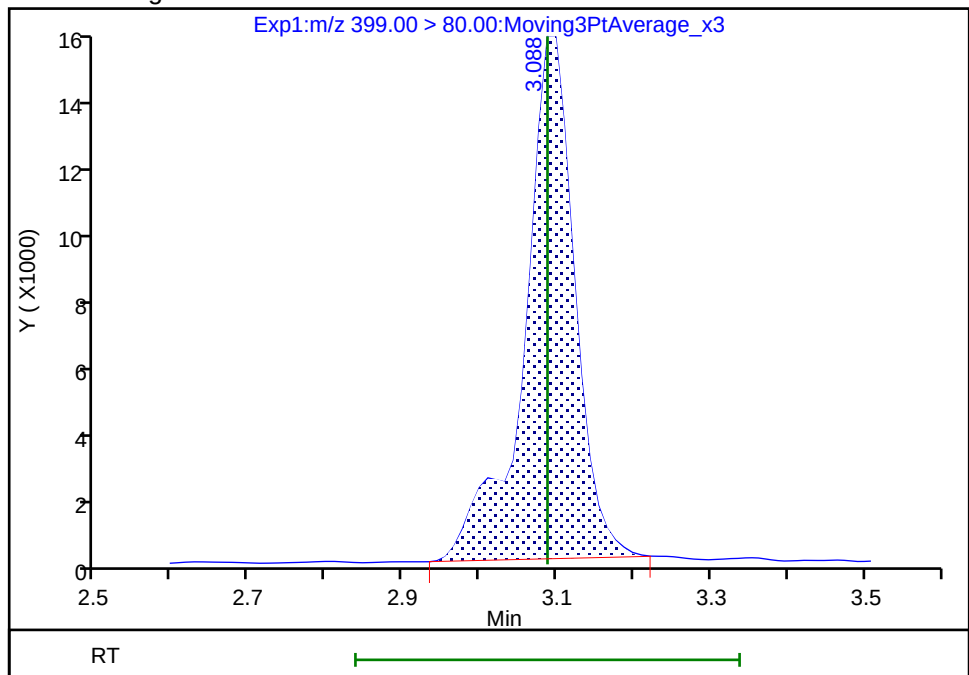
RT: 3.09
Area: 73097
Amount: 0.047080
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 72164
Amount: 0.046479
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:09:13

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d

Injection Date: 30-Nov-2022 09:49:18

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

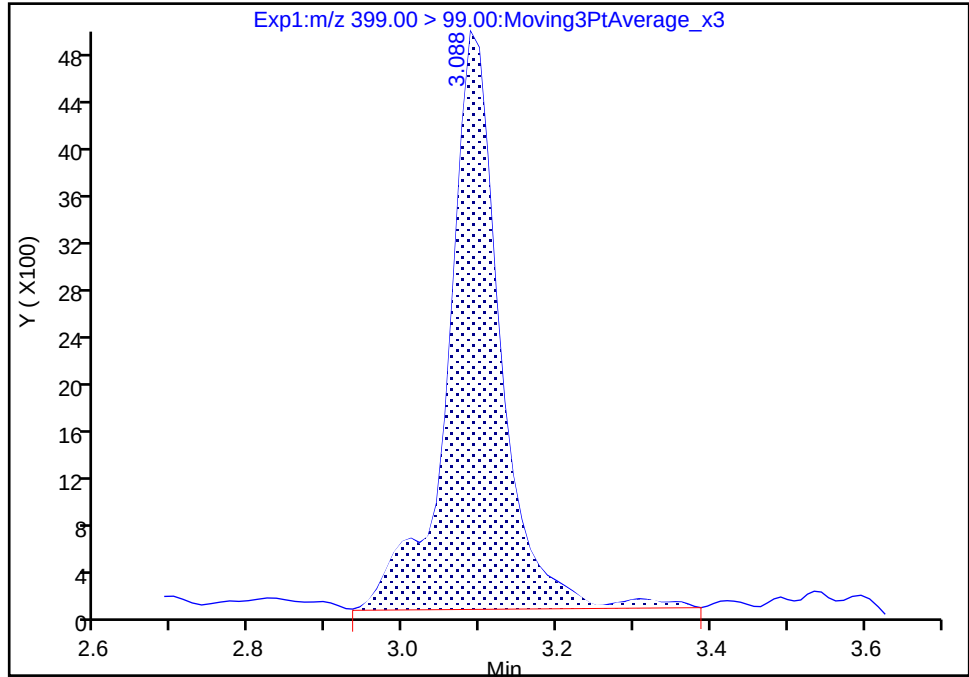
EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

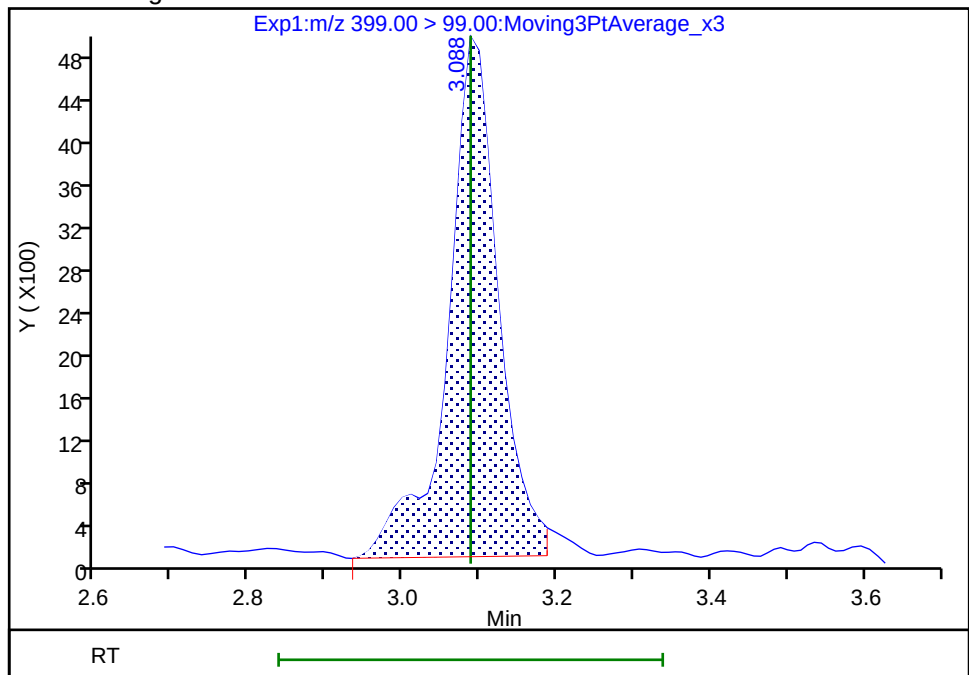
RT: 3.09
Area: 23226
Amount: 0.047080
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 22160
Amount: 0.046479
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:09:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

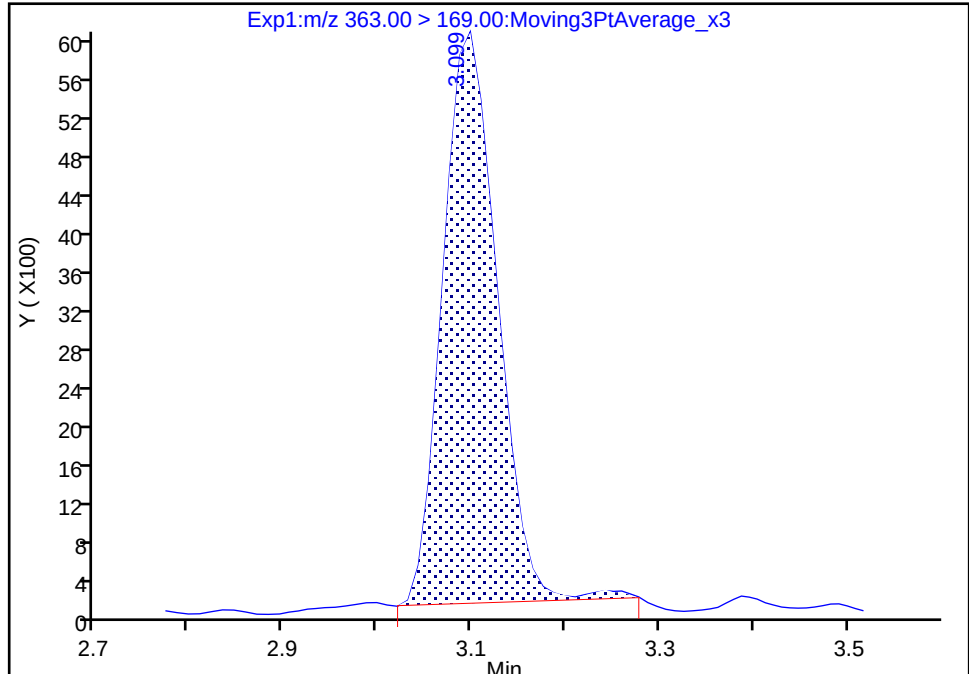
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d
Injection Date: 30-Nov-2022 09:49:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

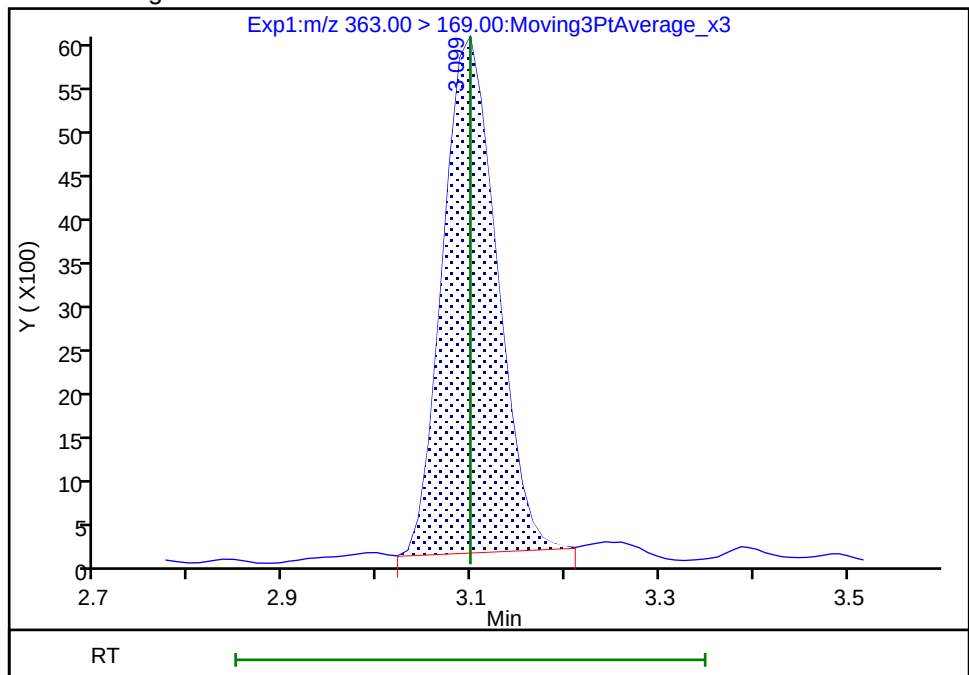
RT: 3.10
Area: 23670
Amount: 0.048139
Amount Units: ng/ml

Processing Integration Results



RT: 3.10
Area: 23313
Amount: 0.048139
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:09:35

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

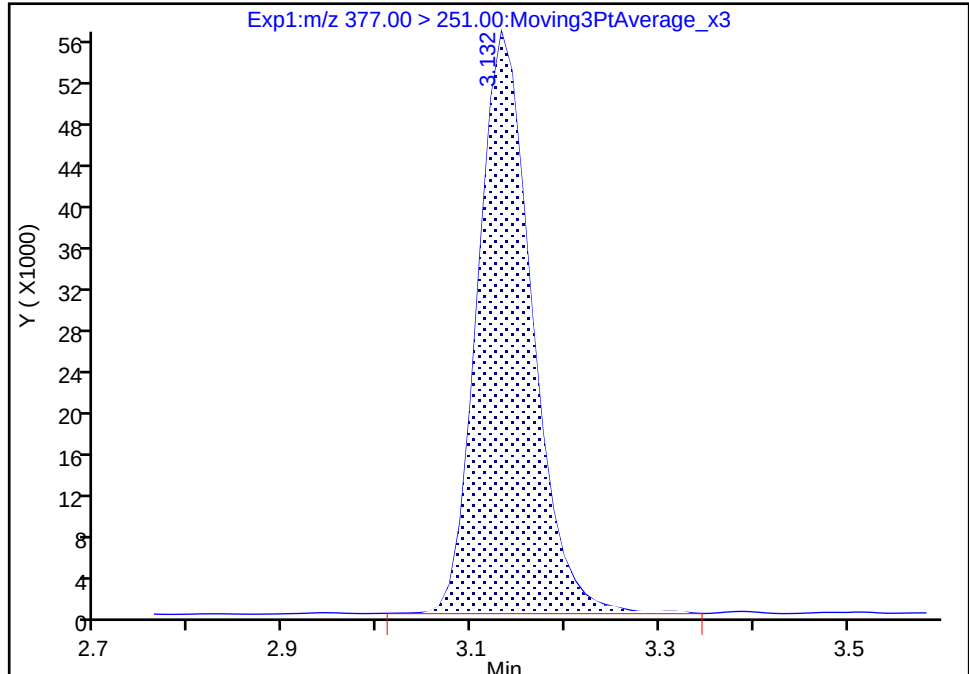
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d
Injection Date: 30-Nov-2022 09:49:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

77 DONA, CAS: 919005-14-4

Signal: 1

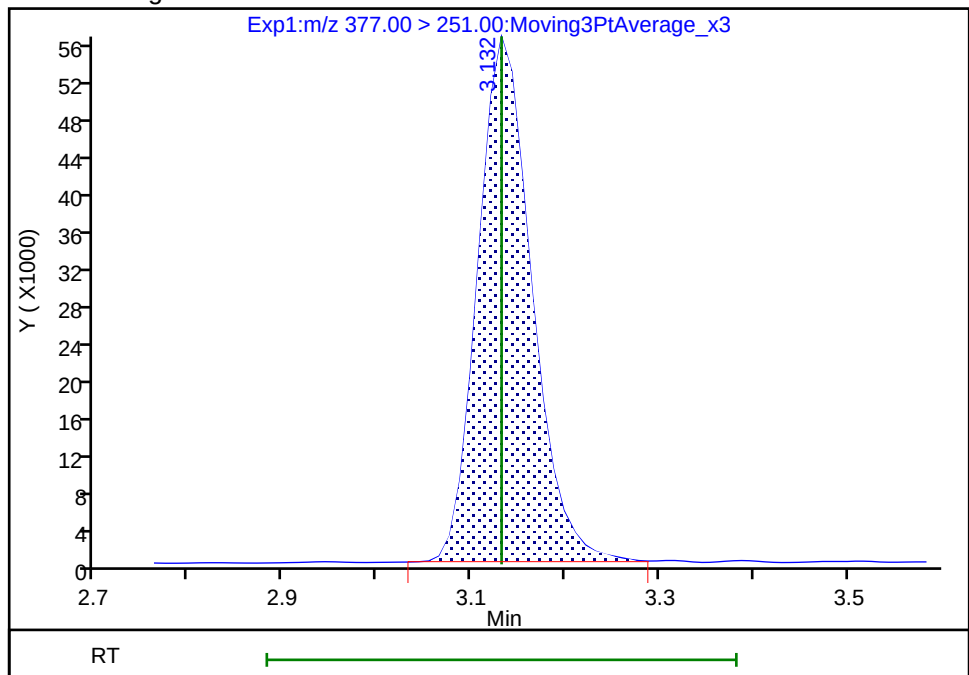
RT: 3.13
Area: 226706
Amount: 0.045156
Amount Units: ng/ml

Processing Integration Results



RT: 3.13
Area: 224872
Amount: 0.044791
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:09:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

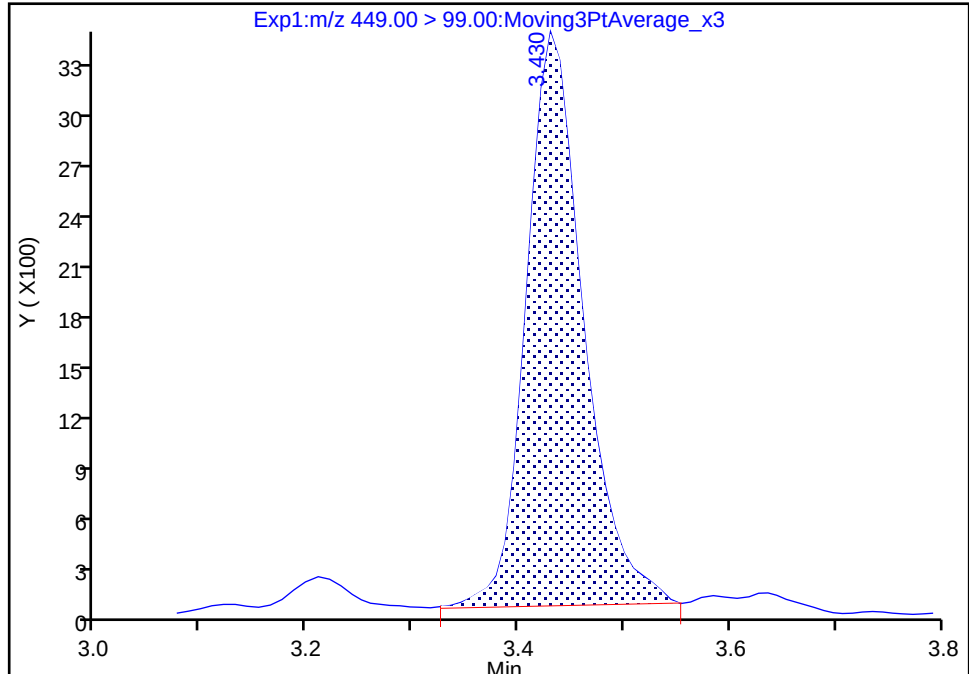
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d
Injection Date: 30-Nov-2022 09:49:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

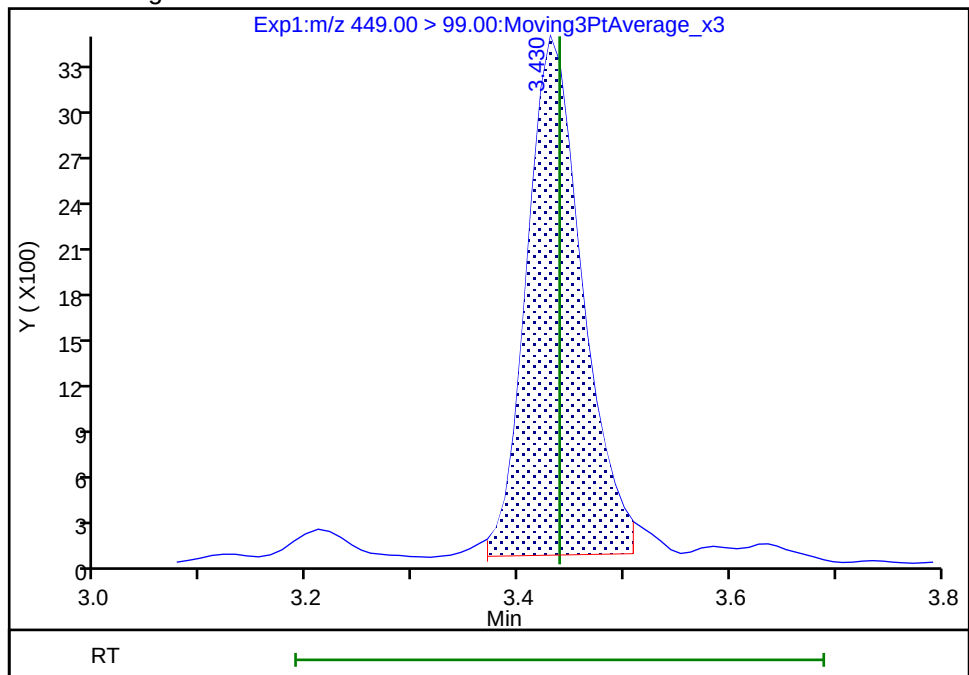
RT: 3.43
Area: 12778
Amount: 0.045450
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 12405
Amount: 0.044164
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 01-Dec-2022 08:04:48

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

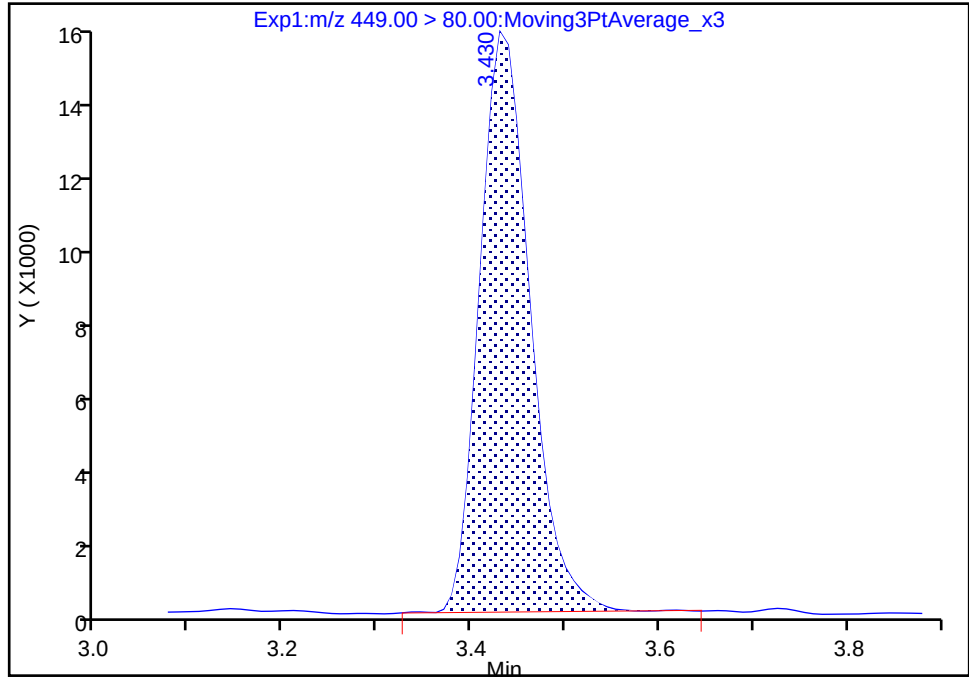
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d
Injection Date: 30-Nov-2022 09:49:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

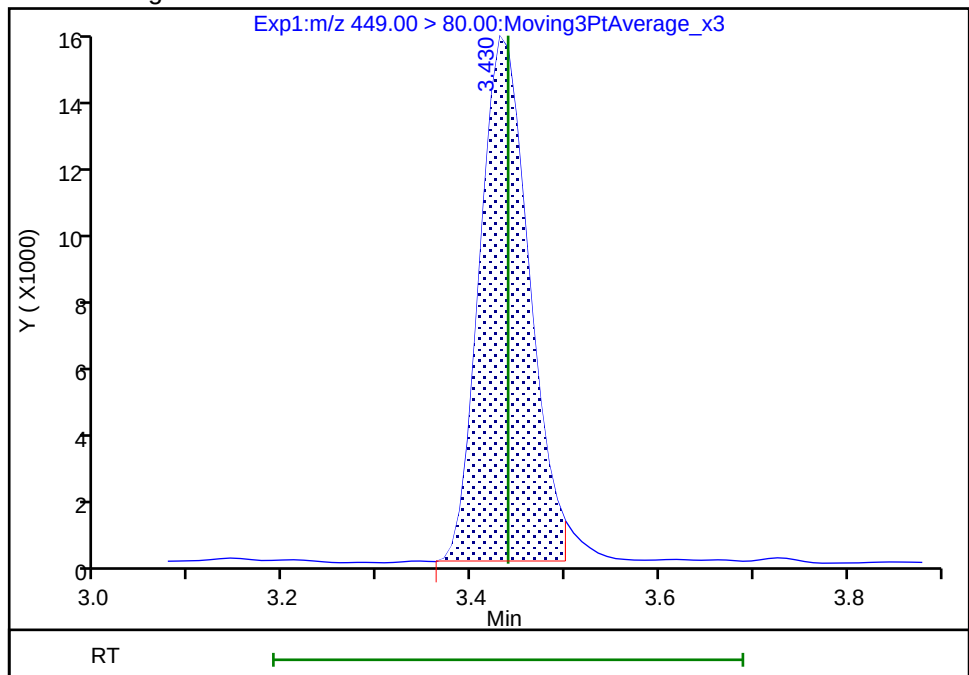
RT: 3.43
Area: 57872
Amount: 0.045450
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 56234
Amount: 0.044164
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 01-Dec-2022 08:04:50

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

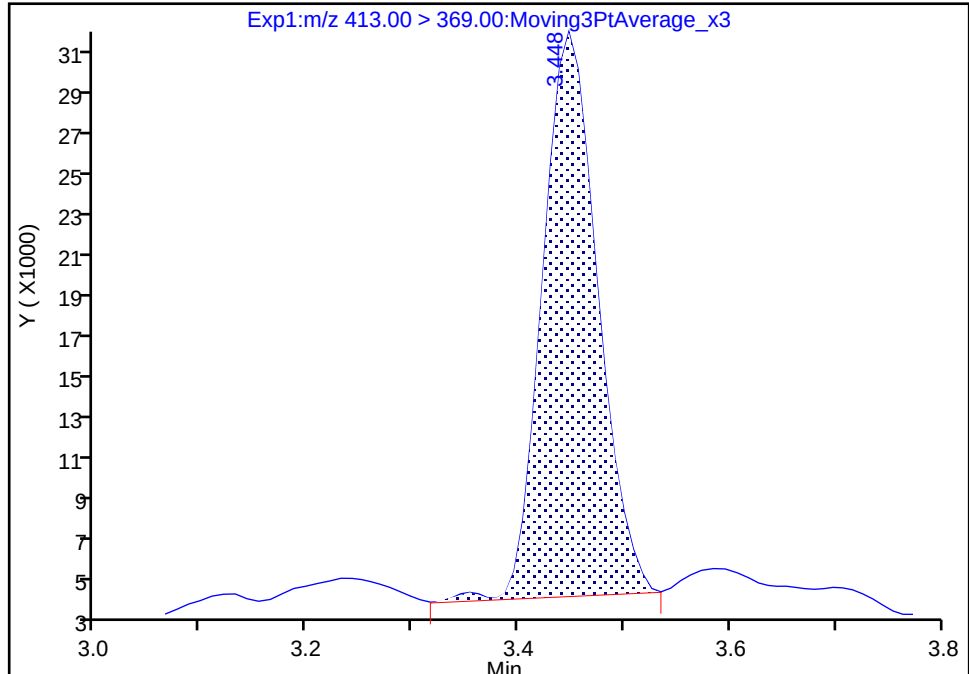
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d
Injection Date: 30-Nov-2022 09:49:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

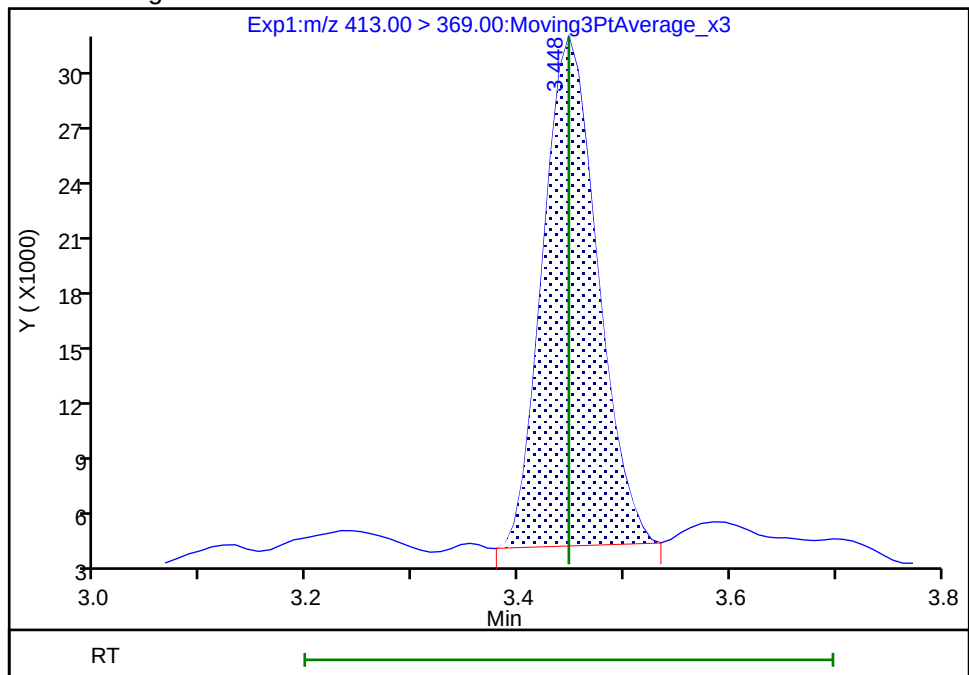
RT: 3.45
Area: 98537
Amount: 0.048824
Amount Units: ng/ml

Processing Integration Results



RT: 3.45
Area: 97630
Amount: 0.048374
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:09:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

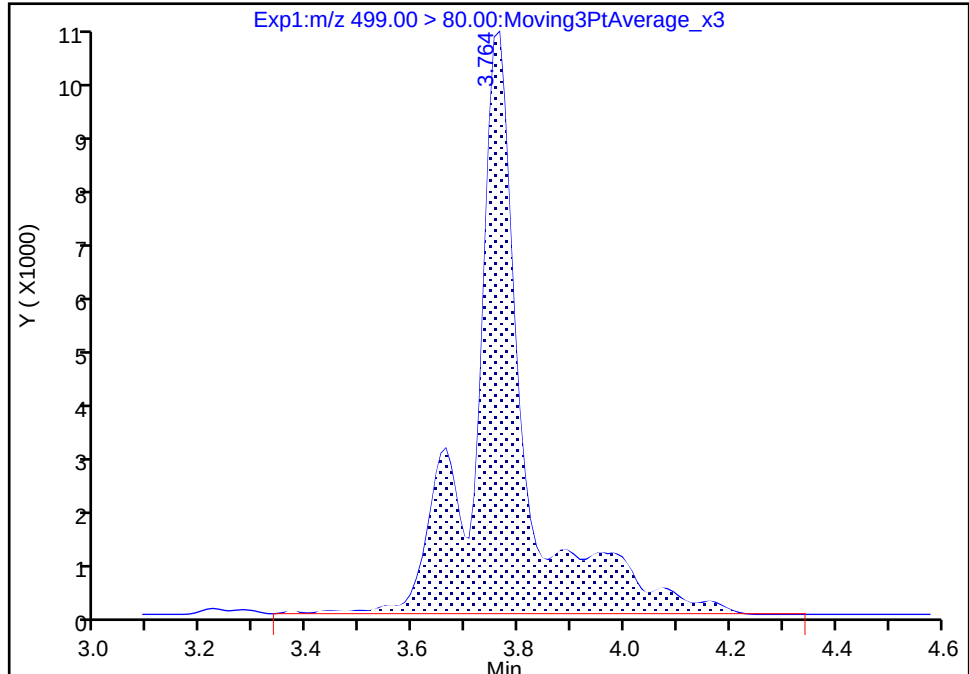
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d
Injection Date: 30-Nov-2022 09:49:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

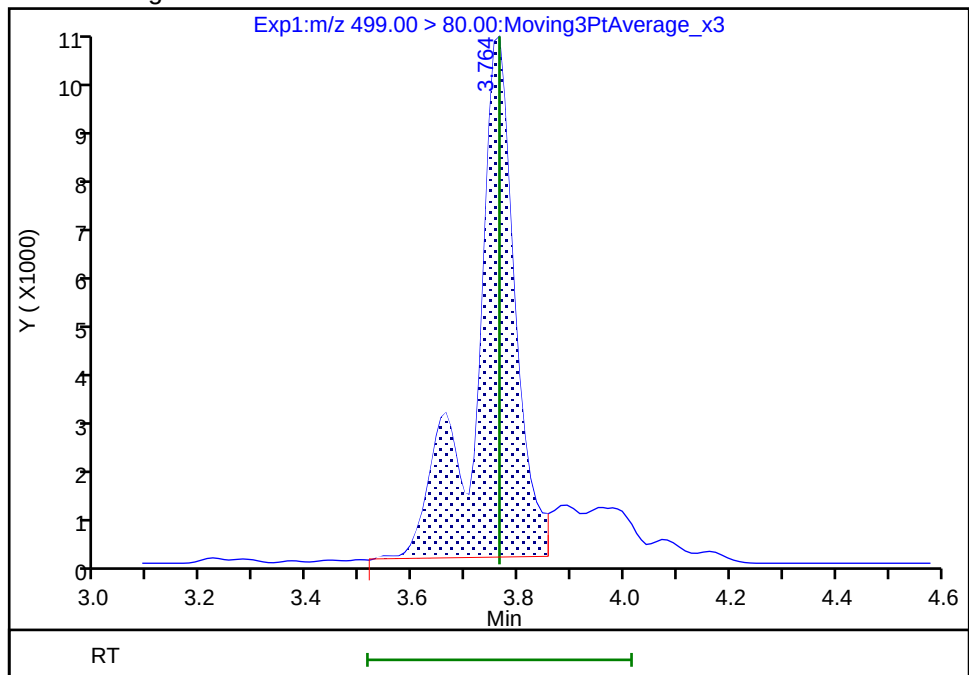
RT: 3.76
Area: 67814
Amount: 0.061167
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 52428
Amount: 0.047289
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:10:09

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

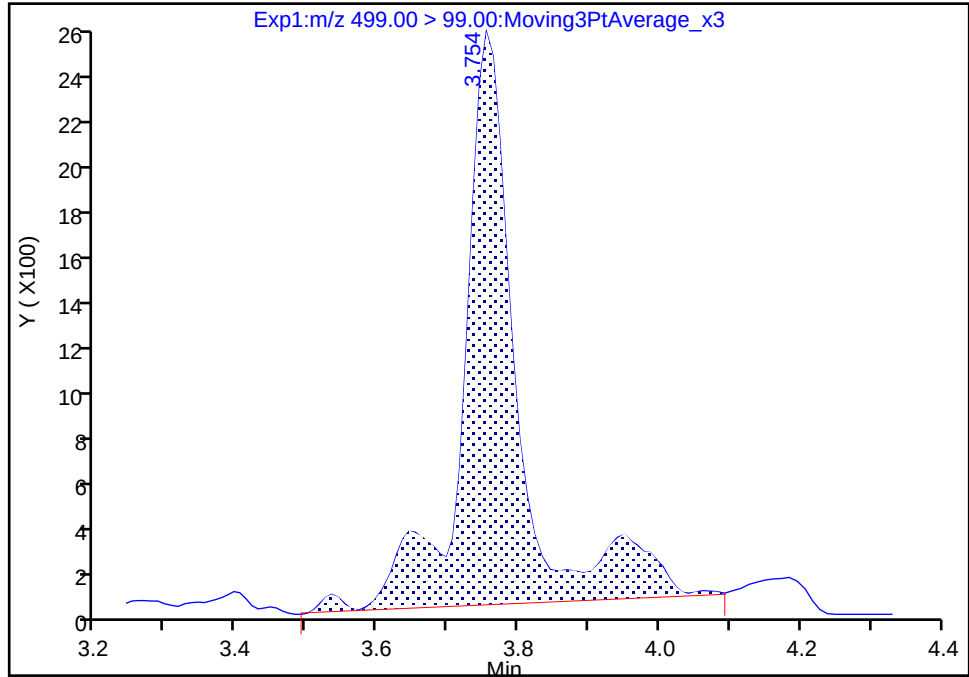
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d
Injection Date: 30-Nov-2022 09:49:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

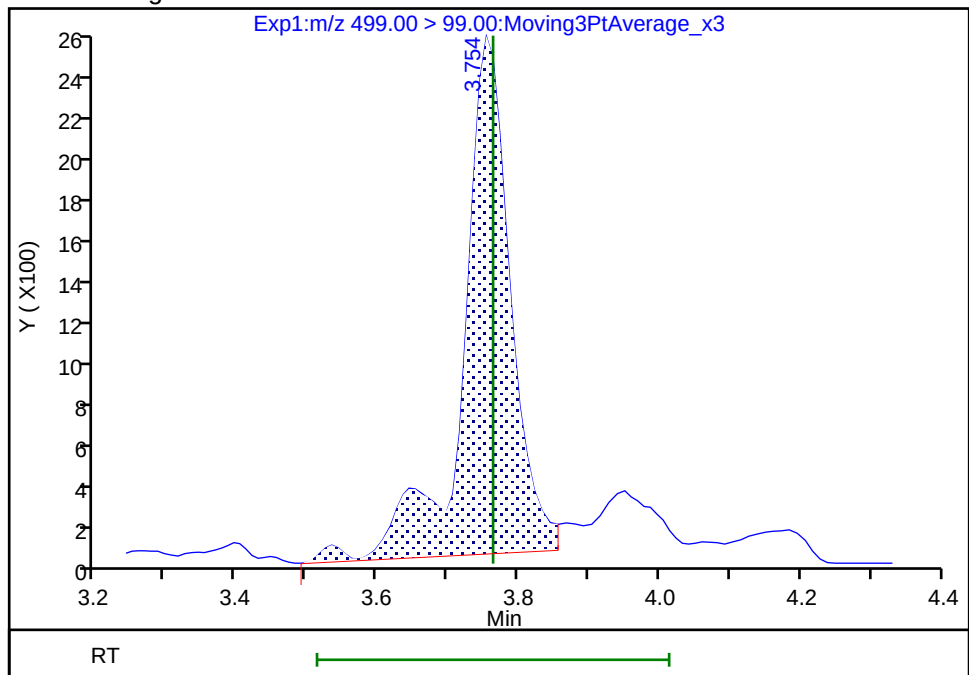
RT: 3.75
Area: 13886
Amount: 0.061167
Amount Units: ng/ml

Processing Integration Results



RT: 3.75
Area: 12021
Amount: 0.047289
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:10:28

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

Eurofins Burlington

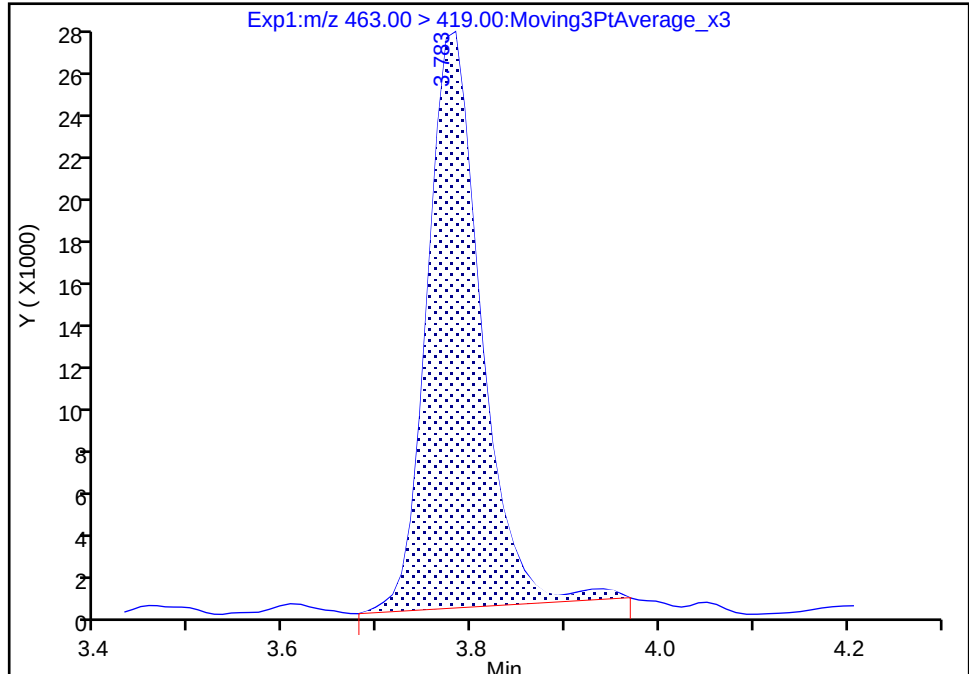
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d
Injection Date: 30-Nov-2022 09:49:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

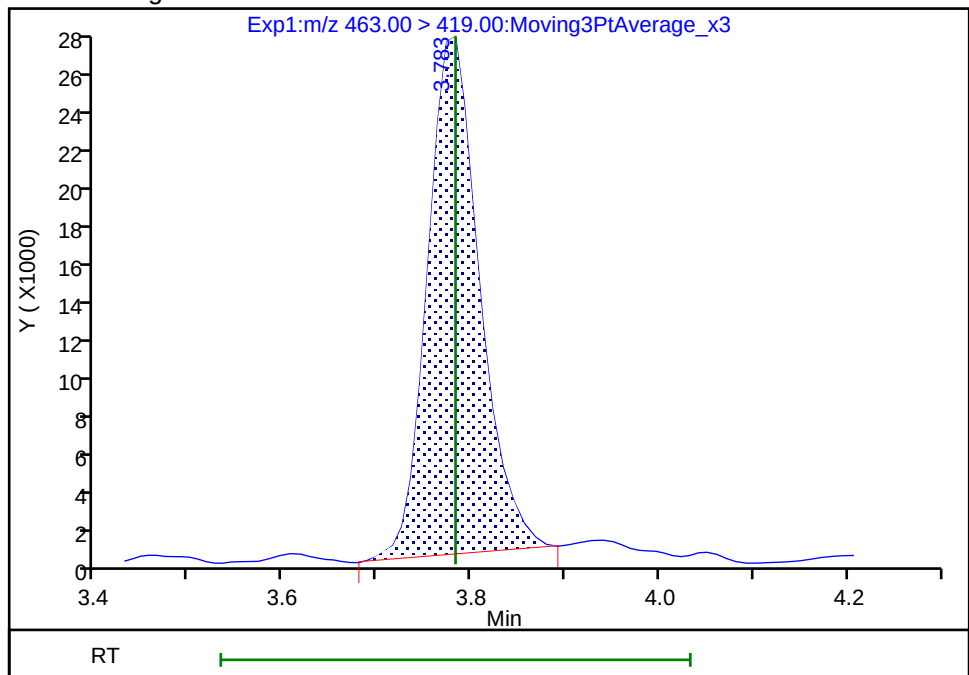
RT: 3.78
Area: 103746
Amount: 0.050126
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 100186
Amount: 0.048406
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:10:36

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

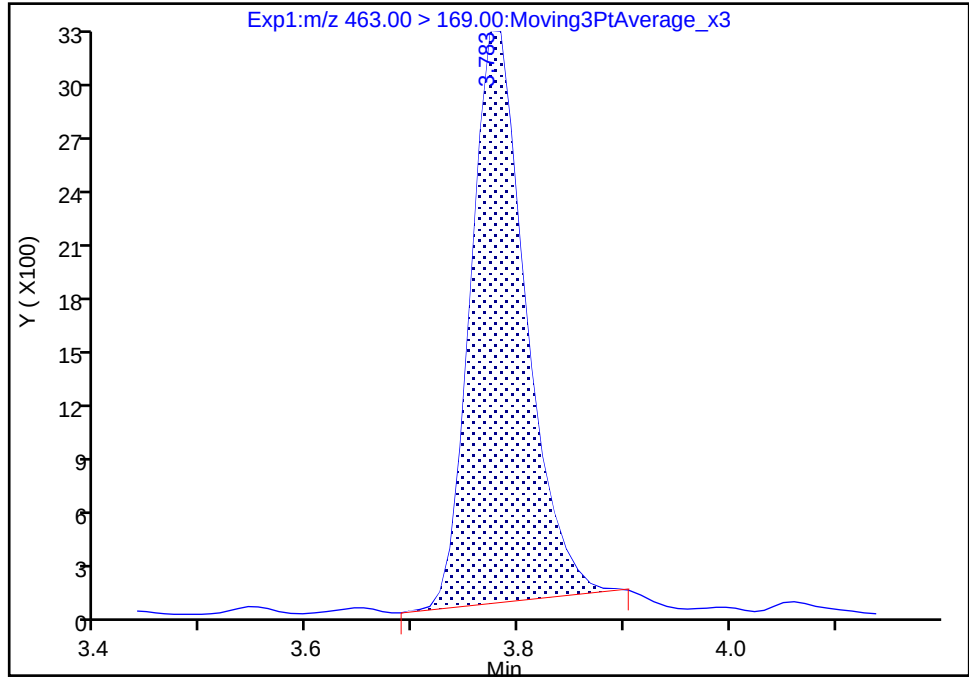
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d
Injection Date: 30-Nov-2022 09:49:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

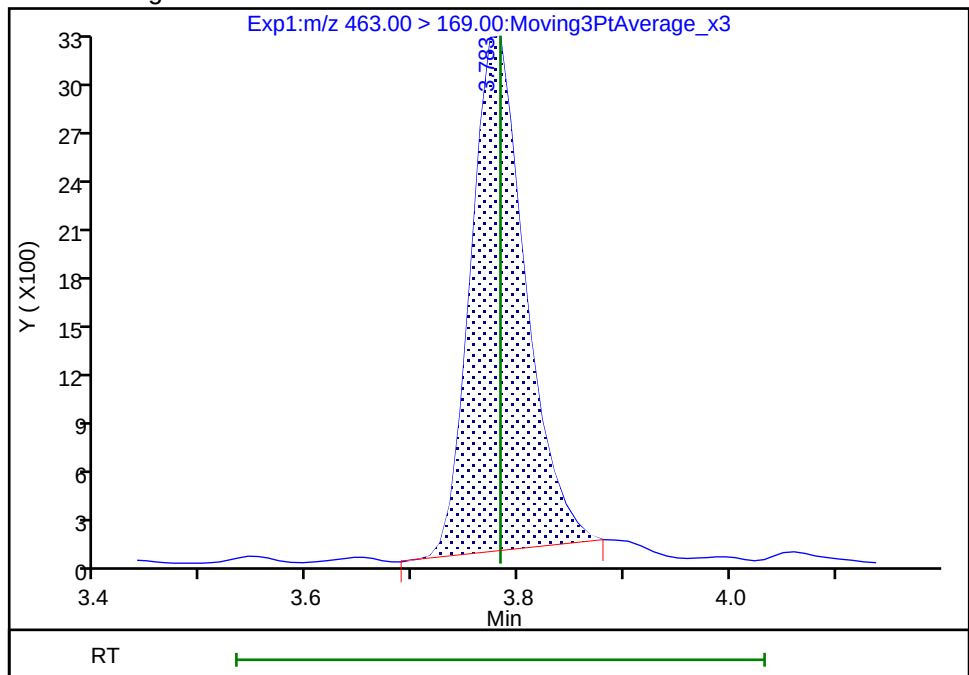
RT: 3.78
Area: 11536
Amount: 0.050126
Amount Units: ng/ml

Processing Integration Results



RT: 3.78
Area: 11379
Amount: 0.048406
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:10:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

Eurofins Burlington

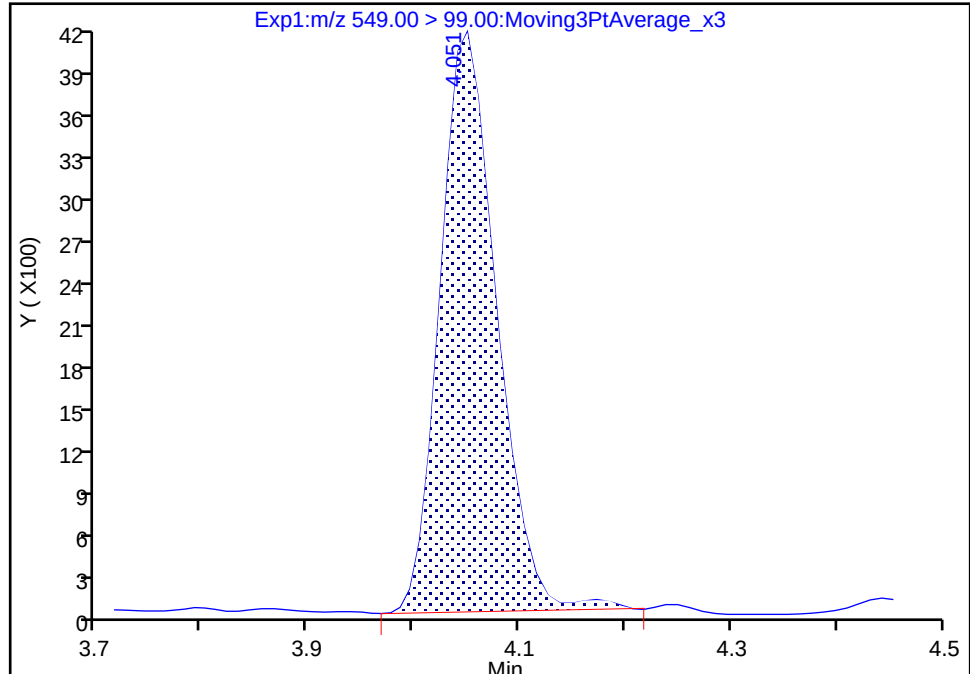
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d
Injection Date: 30-Nov-2022 09:49:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

68 Perfluoronanesulfonic acid, CAS: 68259-12-1

Signal: 2

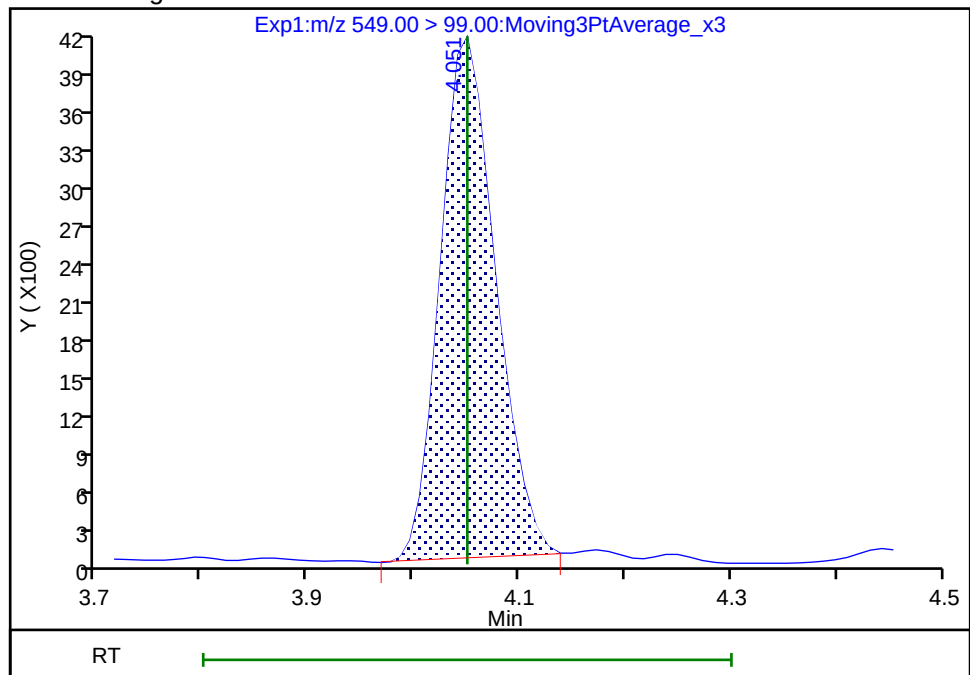
RT: 4.05
Area: 15300
Amount: 0.041714
Amount Units: ng/ml

Processing Integration Results



RT: 4.05
Area: 14809
Amount: 0.041714
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:10:48

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

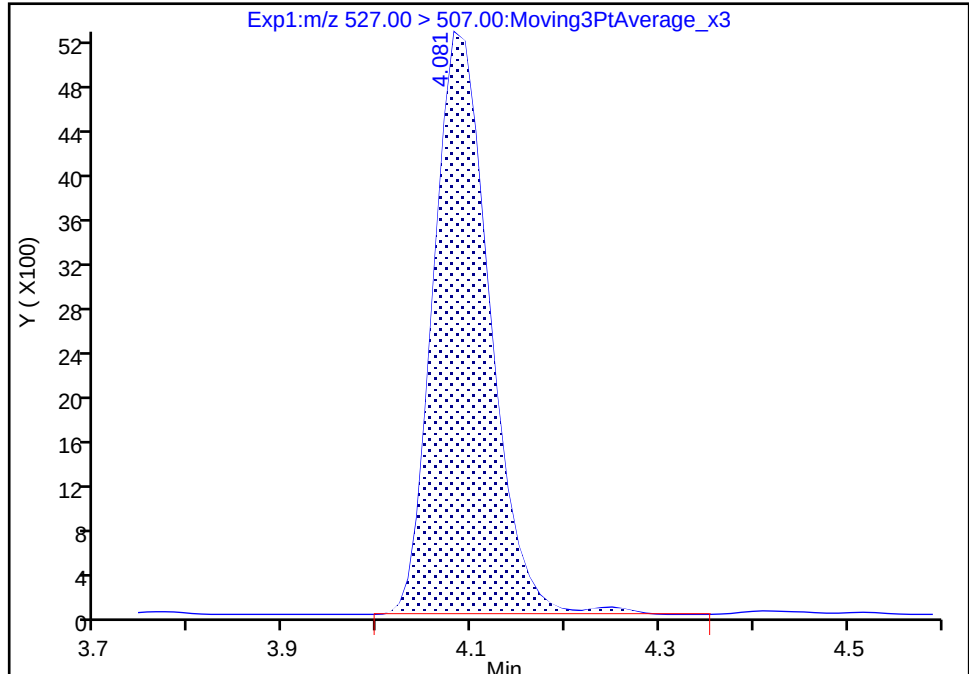
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d
Injection Date: 30-Nov-2022 09:49:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

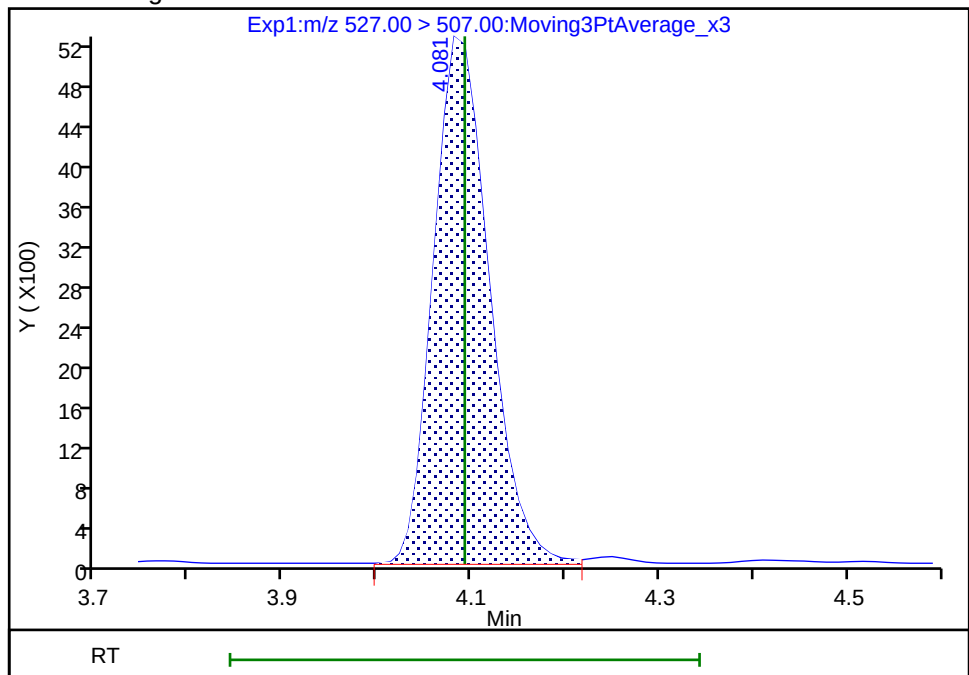
RT: 4.08
Area: 22054
Amount: 0.047516
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 21859
Amount: 0.047096
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:11:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

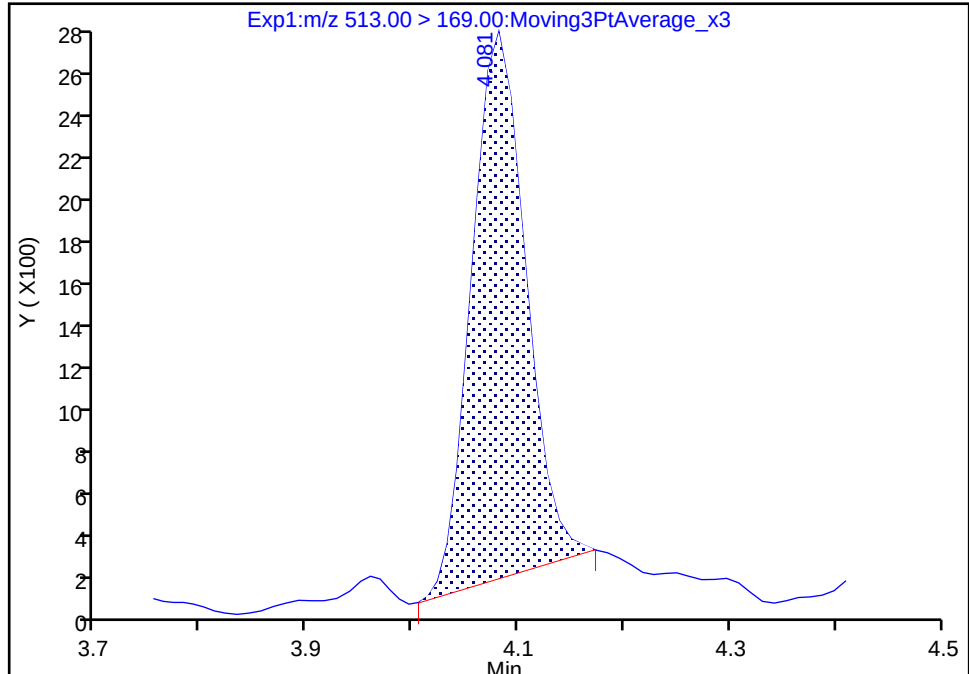
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d
Injection Date: 30-Nov-2022 09:49:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

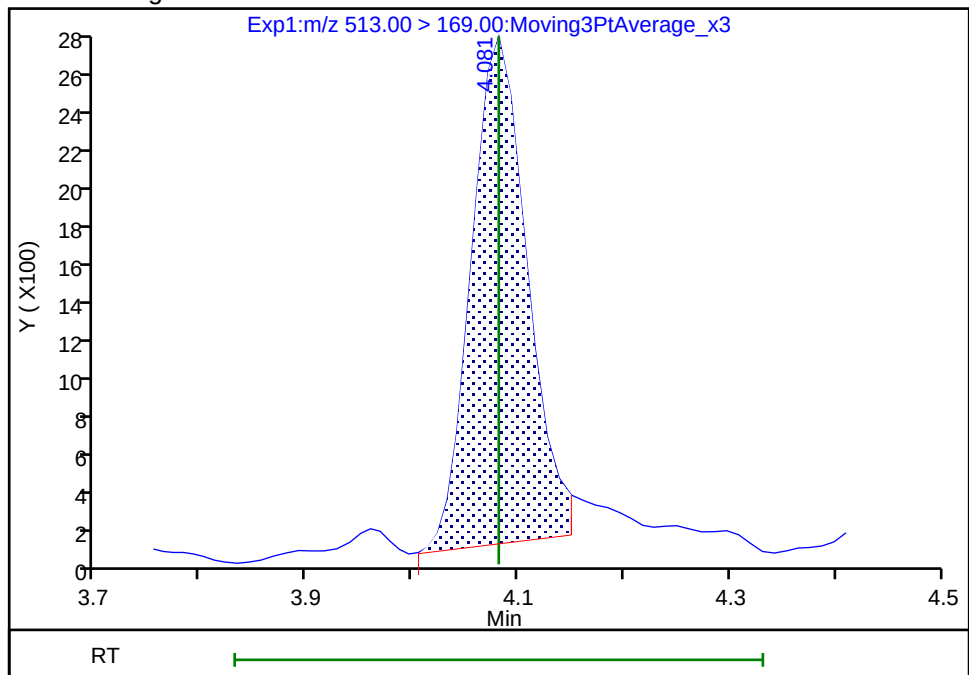
RT: 4.08
Area: 9194
Amount: 0.045721
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 9649
Amount: 0.045394
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:11:09

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

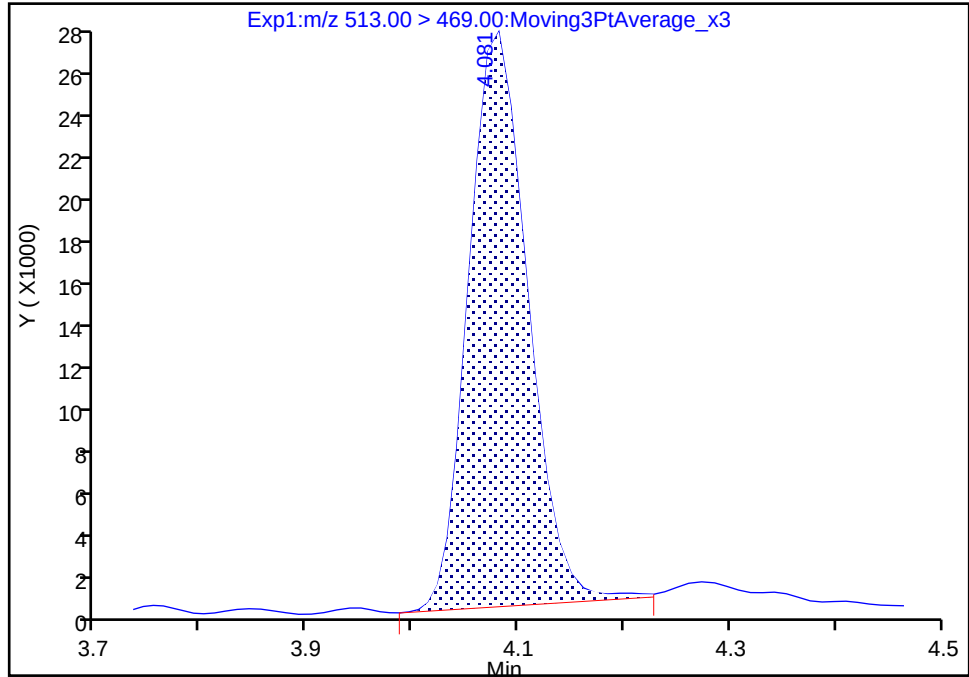
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d
Injection Date: 30-Nov-2022 09:49:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

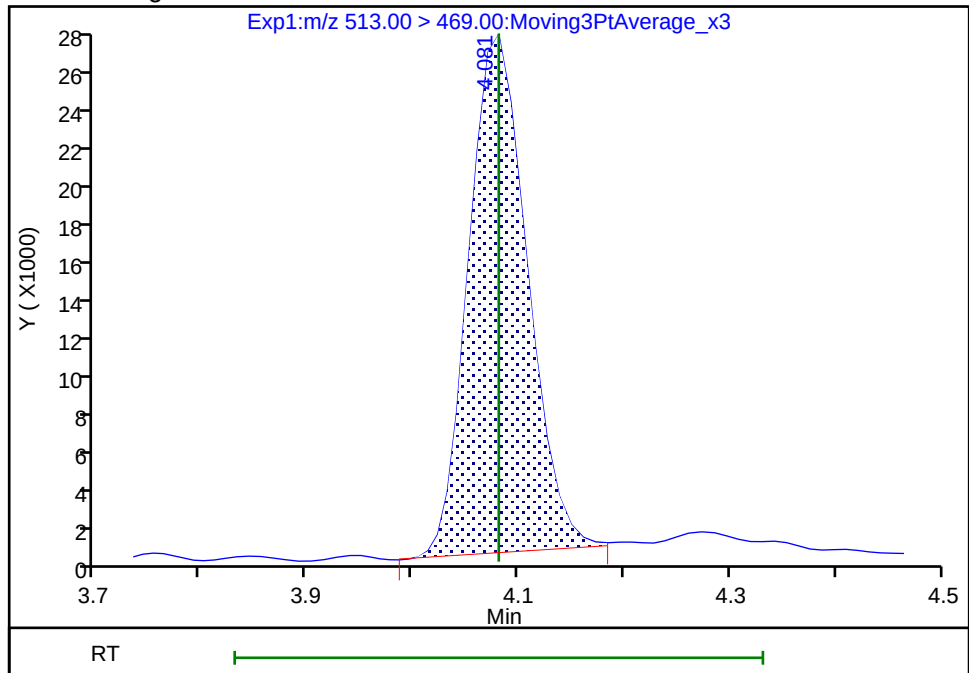
RT: 4.08
Area: 104990
Amount: 0.045721
Amount Units: ng/ml

Processing Integration Results



RT: 4.08
Area: 104239
Amount: 0.045394
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:11:18

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

Eurofins Burlington

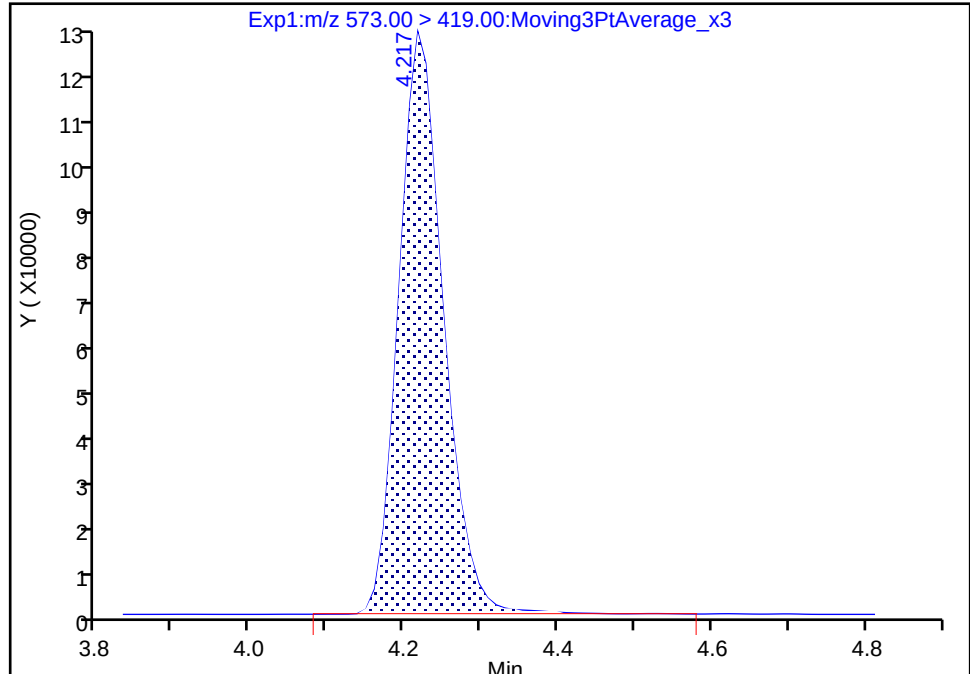
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d
Injection Date: 30-Nov-2022 09:49:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

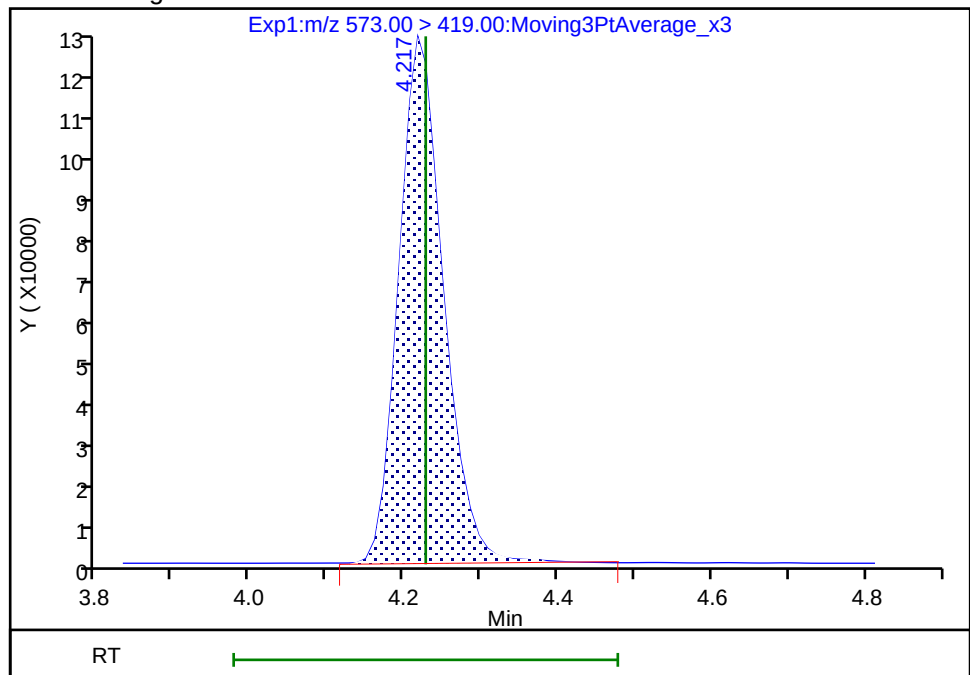
RT: 4.22
Area: 501379
Amount: 1.253046
Amount Units: ng/ml

Processing Integration Results



RT: 4.22
Area: 500107
Amount: 1.249867
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:08:09

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

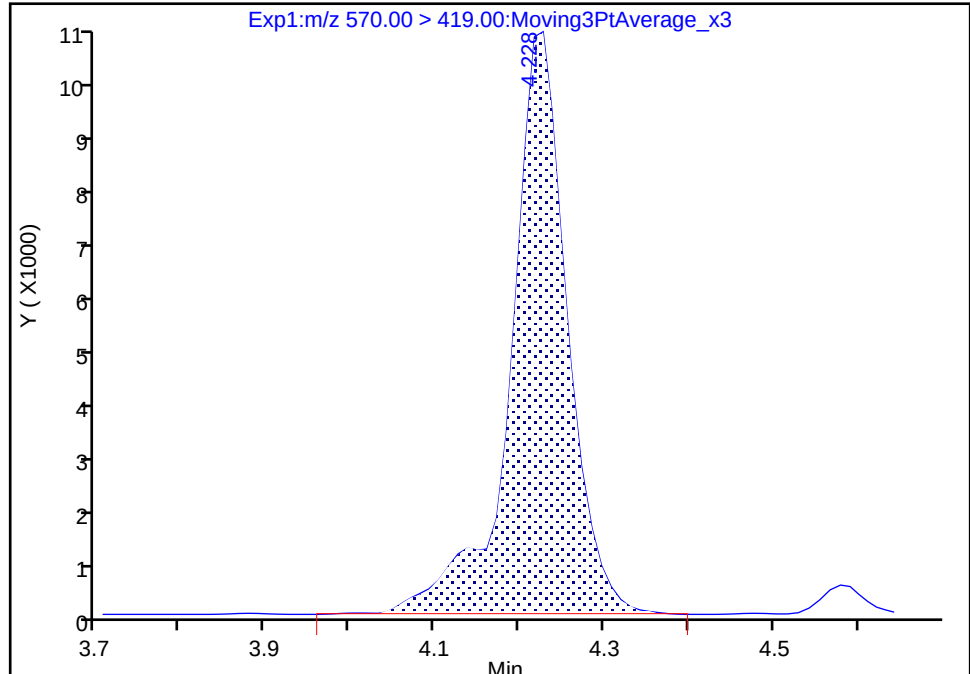
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d
Injection Date: 30-Nov-2022 09:49:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

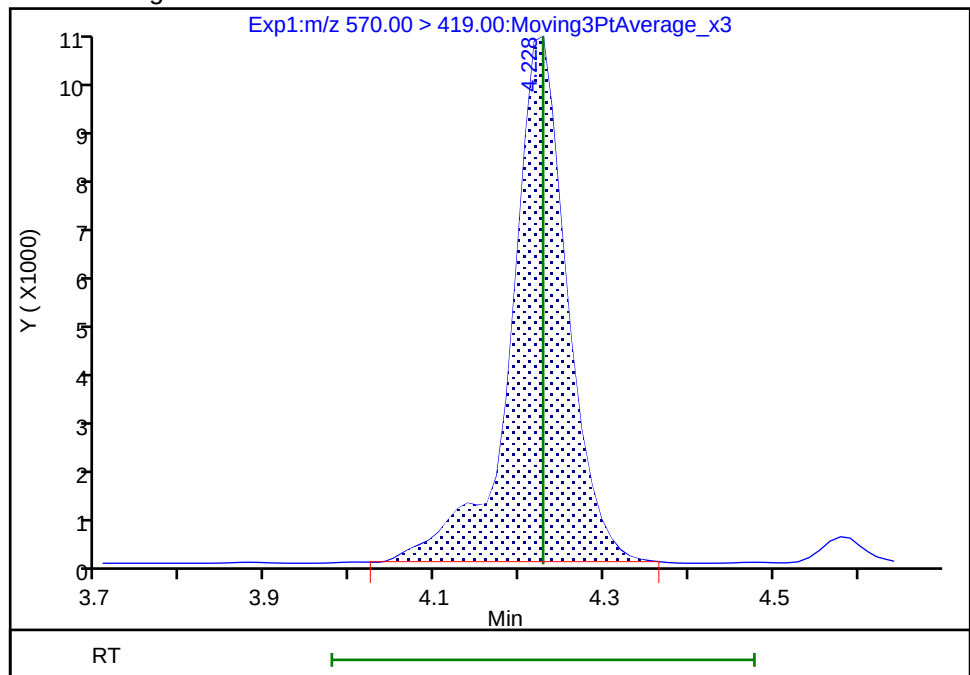
RT: 4.23
Area: 48473
Amount: 0.129213
Amount Units: ng/ml

Processing Integration Results



RT: 4.23
Area: 47863
Amount: 0.127441
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 01-Dec-2022 08:05:14
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

Eurofins Burlington

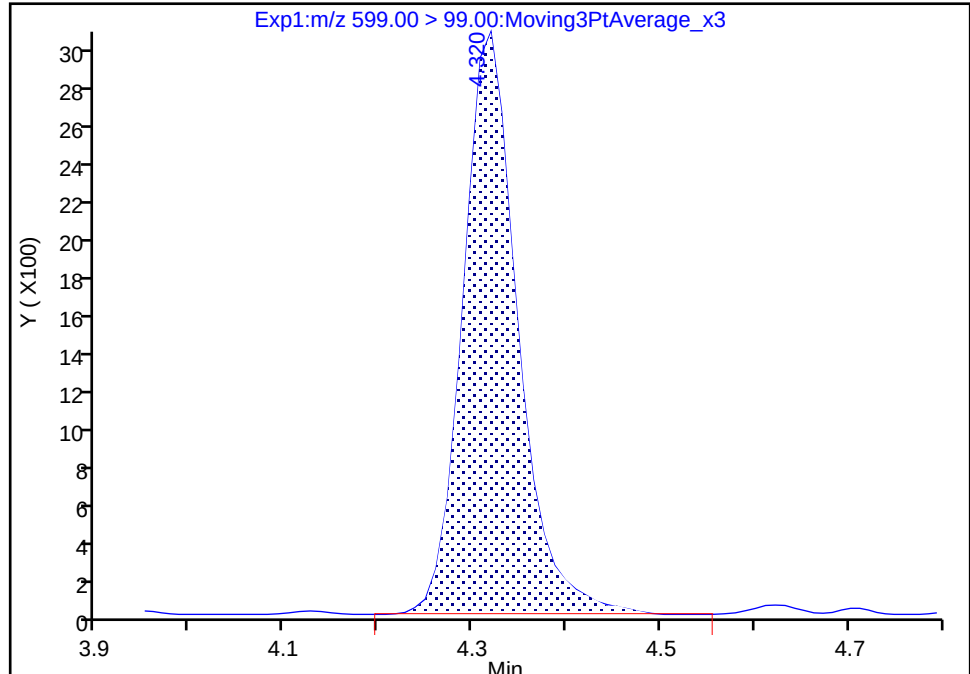
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d
Injection Date: 30-Nov-2022 09:49:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

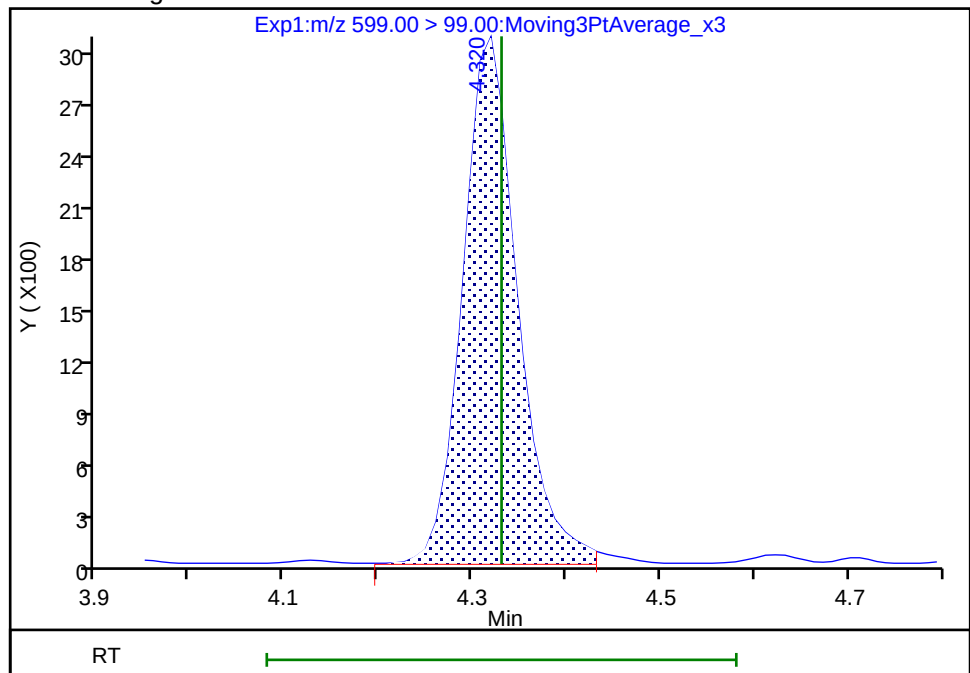
RT: 4.32
Area: 12516
Amount: 0.044855
Amount Units: ng/ml

Processing Integration Results



RT: 4.32
Area: 12396
Amount: 0.044855
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 01-Dec-2022 08:05:24
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

Eurofins Burlington

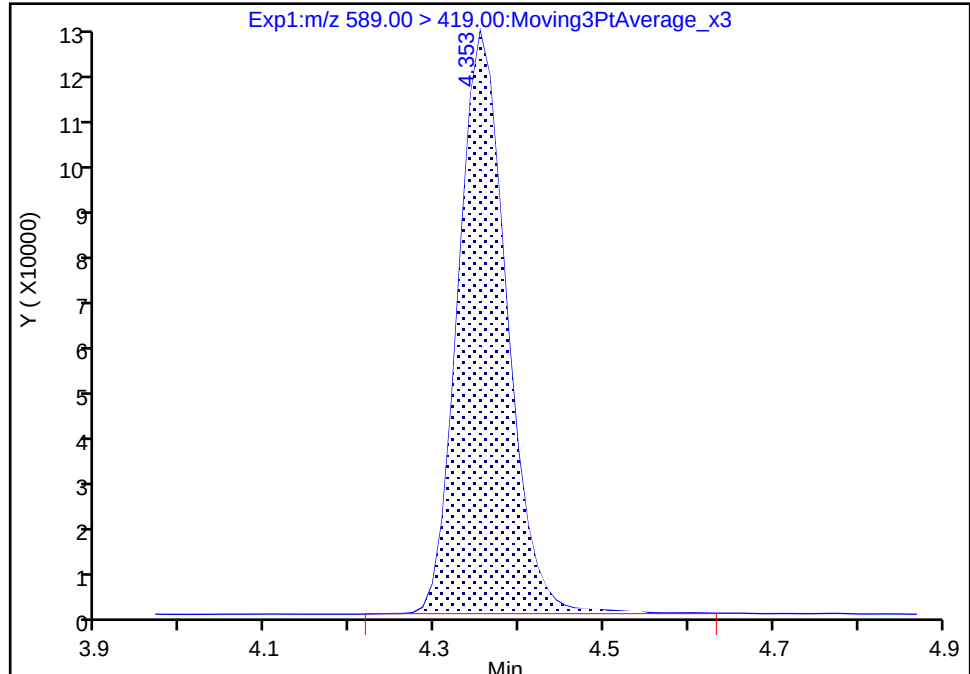
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d
Injection Date: 30-Nov-2022 09:49:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 32 d5-NEtFOSAA, CAS: STL02117

Signal: 1

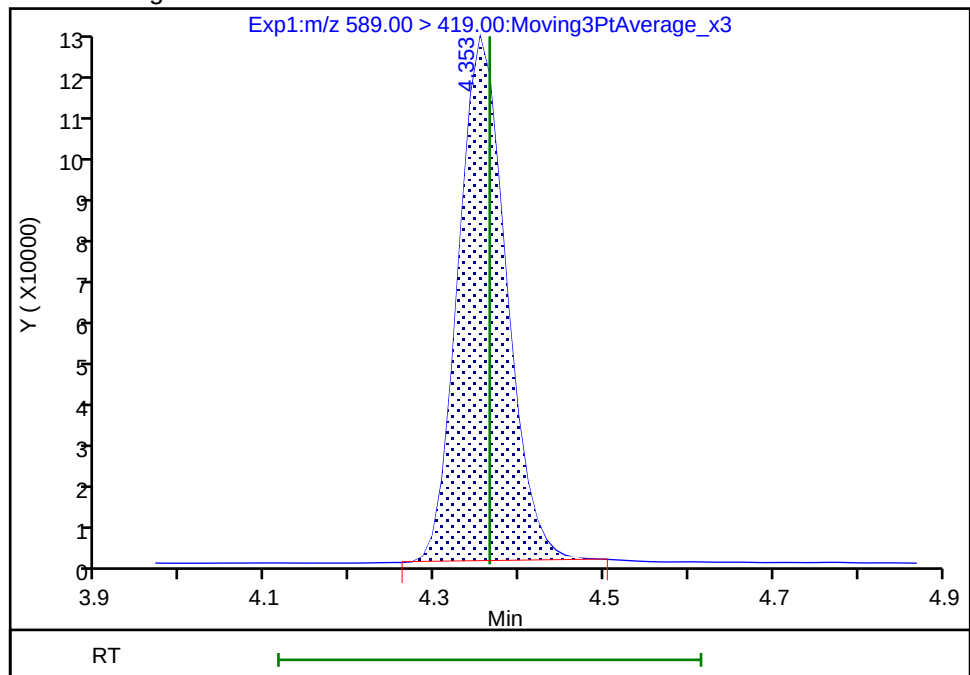
RT: 4.35
Area: 505983
Amount: 1.284261
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 498027
Amount: 1.264068
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 01-Dec-2022 08:05:32

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

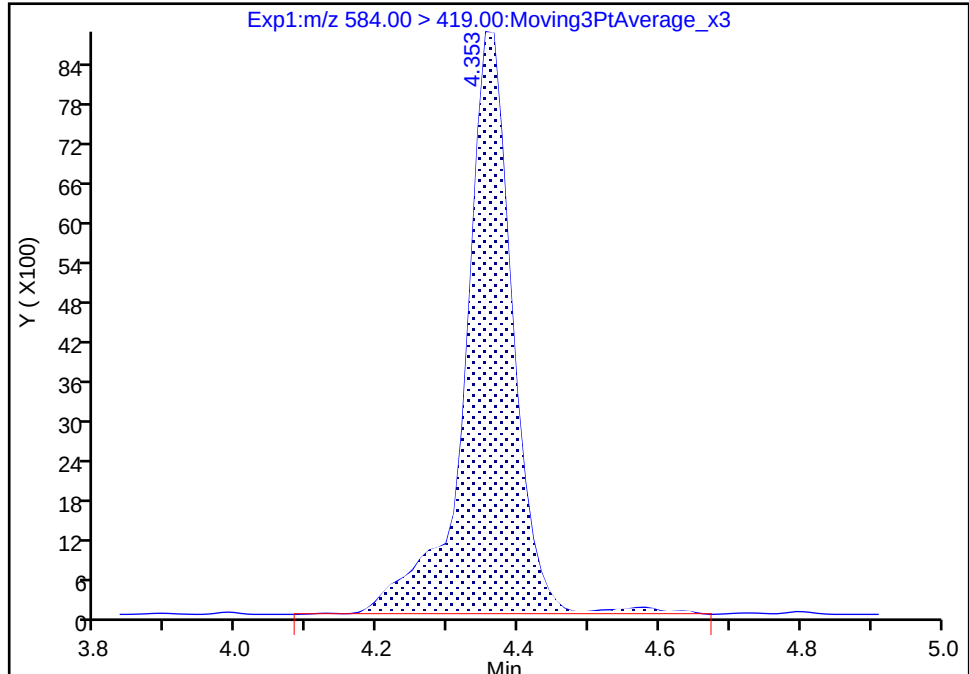
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d
Injection Date: 30-Nov-2022 09:49:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

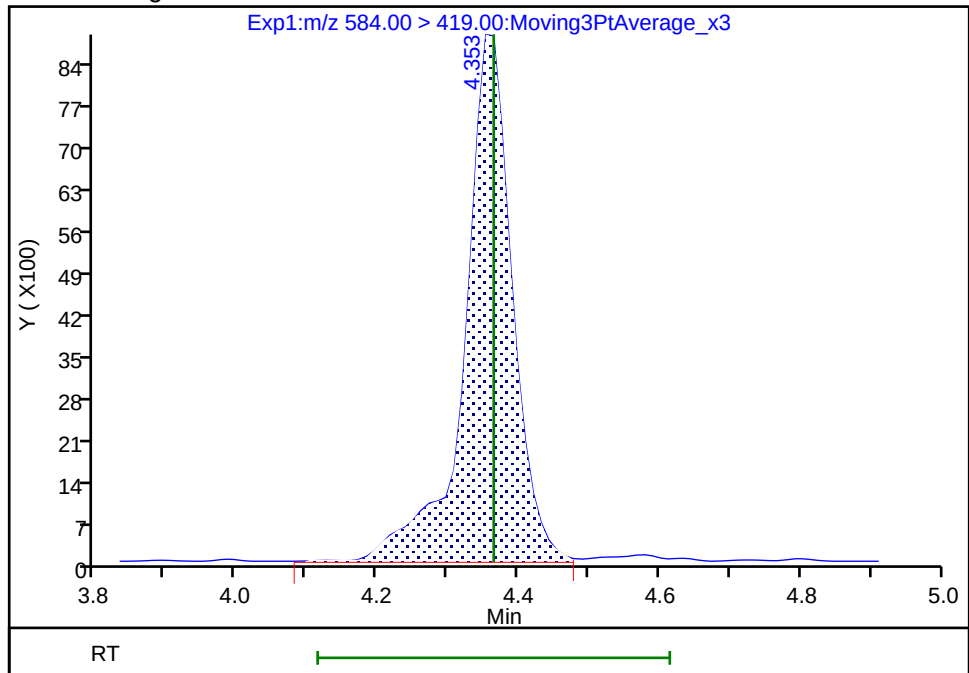
RT: 4.35
Area: 42564
Amount: 0.117455
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 41878
Amount: 0.117408
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:11:44

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

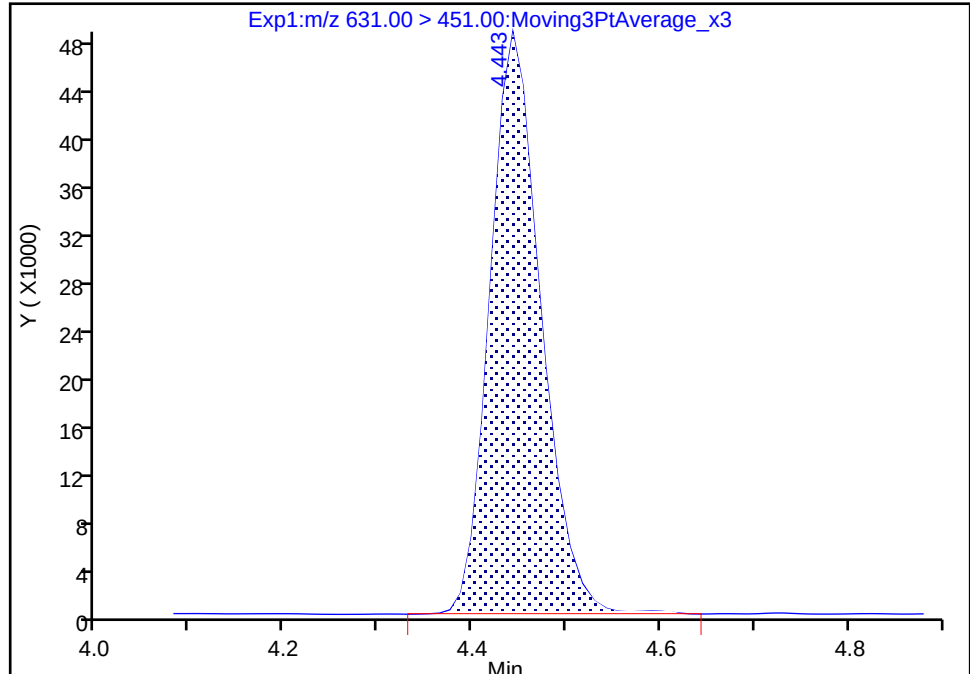
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d
Injection Date: 30-Nov-2022 09:49:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

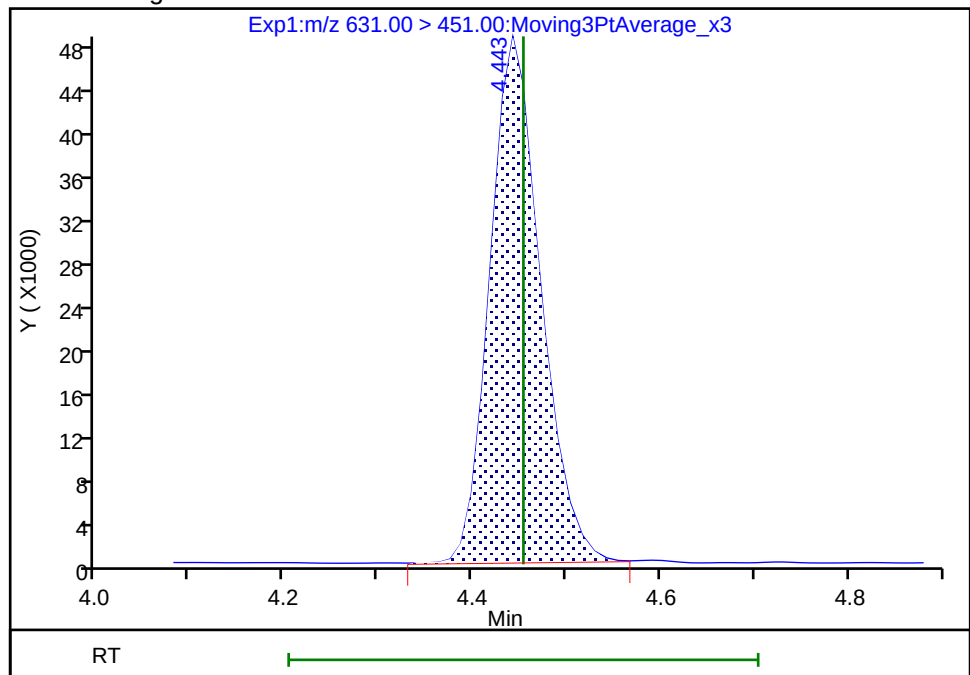
RT: 4.44
Area: 184281
Amount: 0.046982
Amount Units: ng/ml

Processing Integration Results



RT: 4.44
Area: 183597
Amount: 0.046807
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:11:52

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

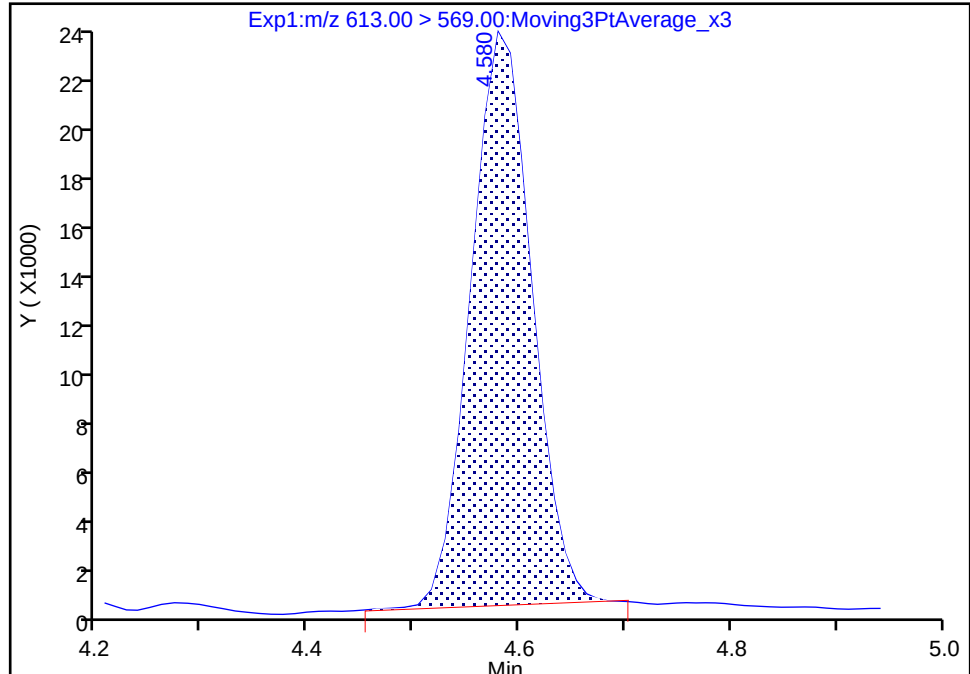
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d
Injection Date: 30-Nov-2022 09:49:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

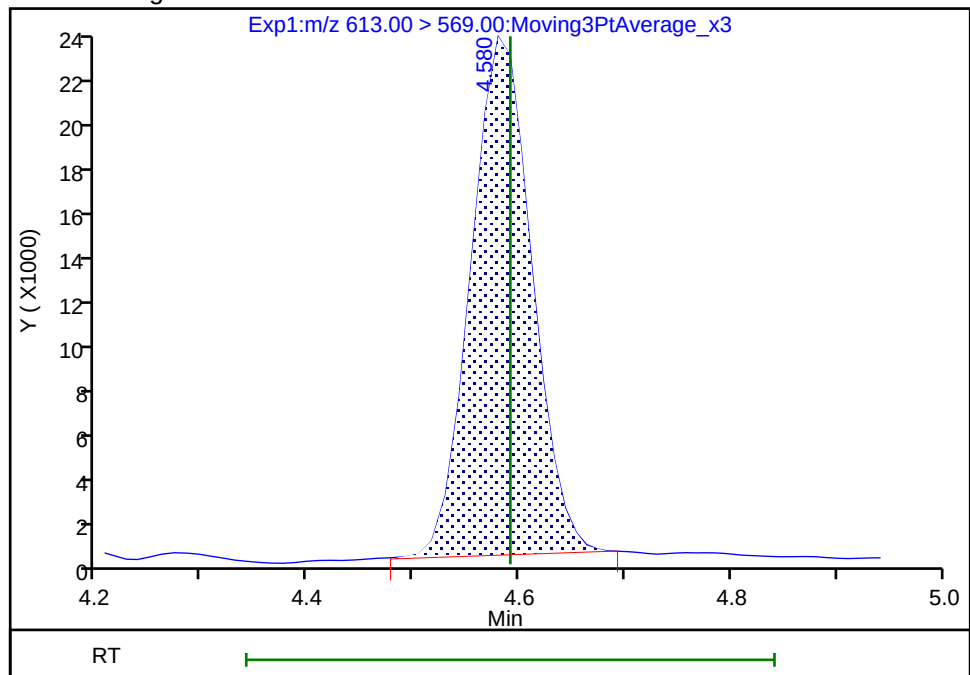
RT: 4.58
Area: 91094
Amount: 0.046546
Amount Units: ng/ml

Processing Integration Results



RT: 4.58
Area: 90647
Amount: 0.046318
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:11:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d

Injection Date: 30-Nov-2022 09:49:18

Instrument ID: LC812

Lims ID: CCVLIS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

2

Worklist Smp#: 5

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

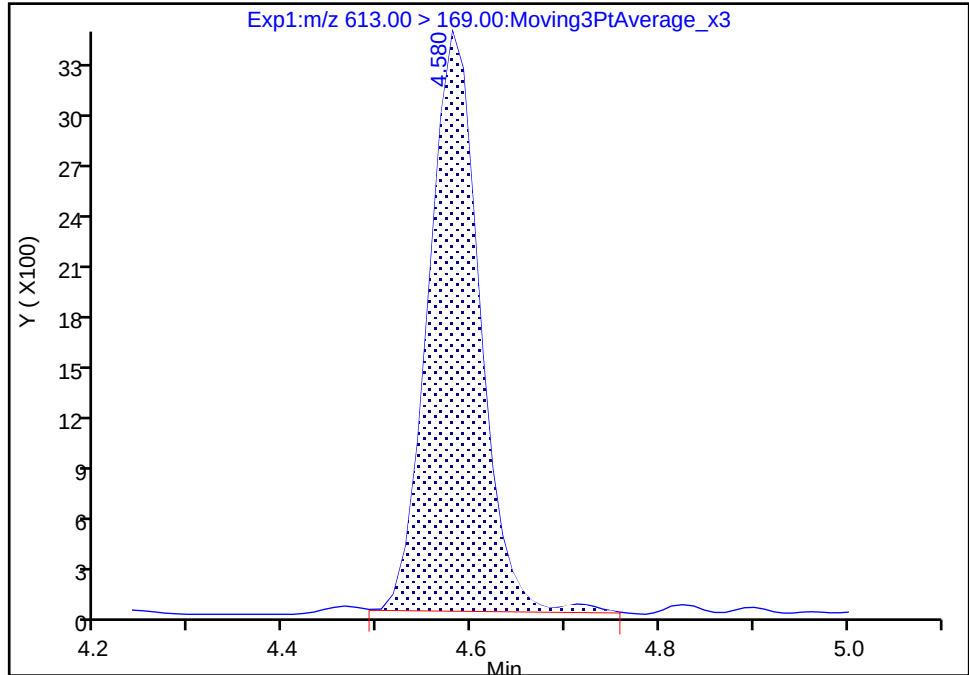
EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

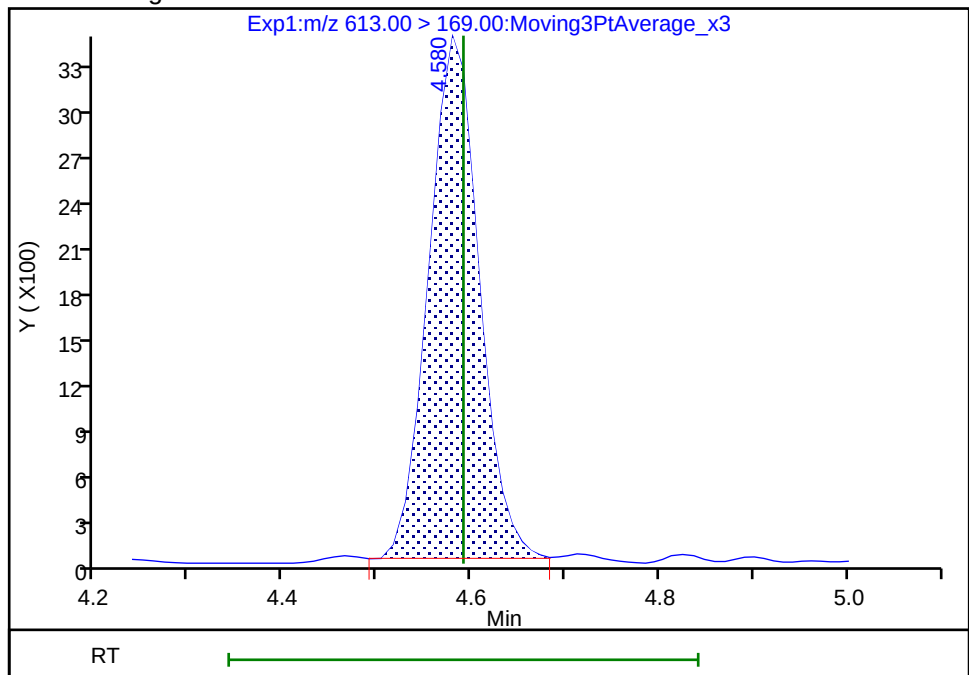
RT: 4.58
Area: 12936
Amount: 0.046546
Amount Units: ng/ml

Processing Integration Results



RT: 4.58
Area: 12705
Amount: 0.046318
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:12:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

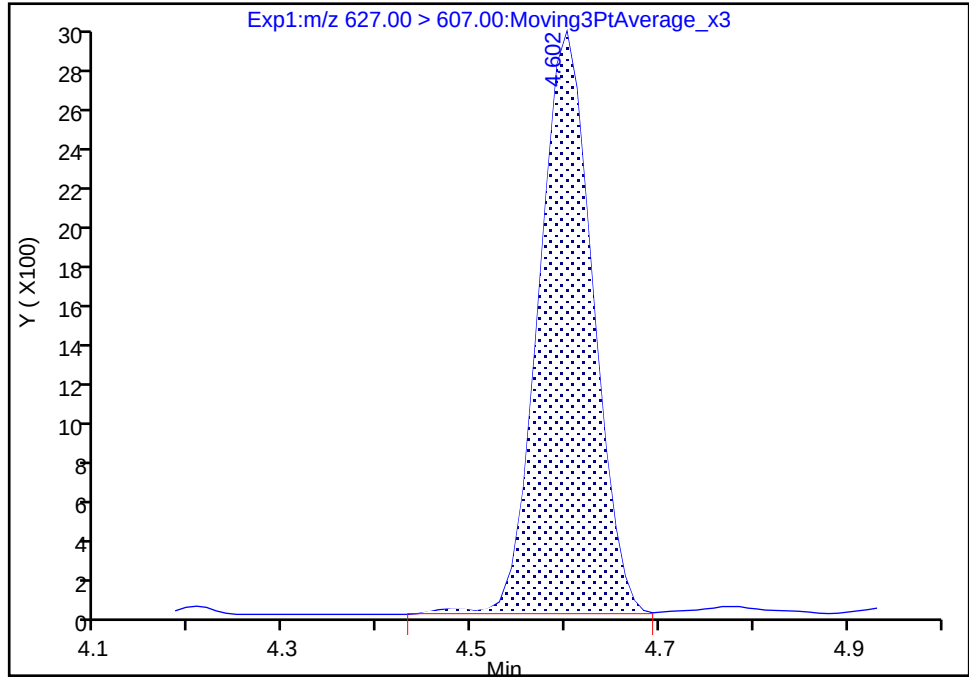
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d
Injection Date: 30-Nov-2022 09:49:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

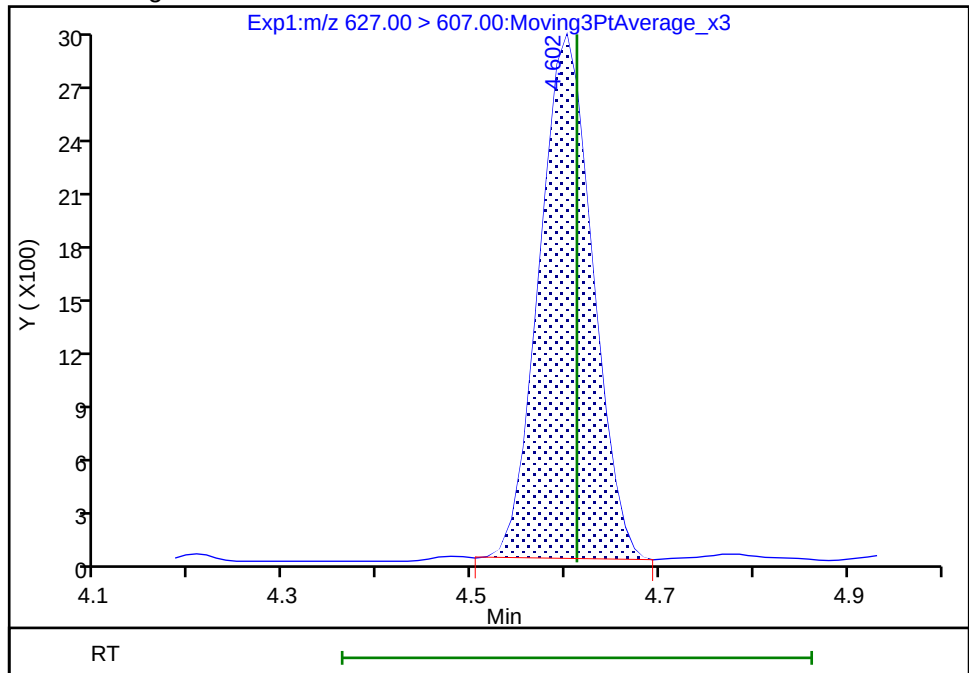
RT: 4.60
Area: 11859
Amount: 0.042519
Amount Units: ng/ml

Processing Integration Results



RT: 4.60
Area: 11698
Amount: 0.041942
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:12:07

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

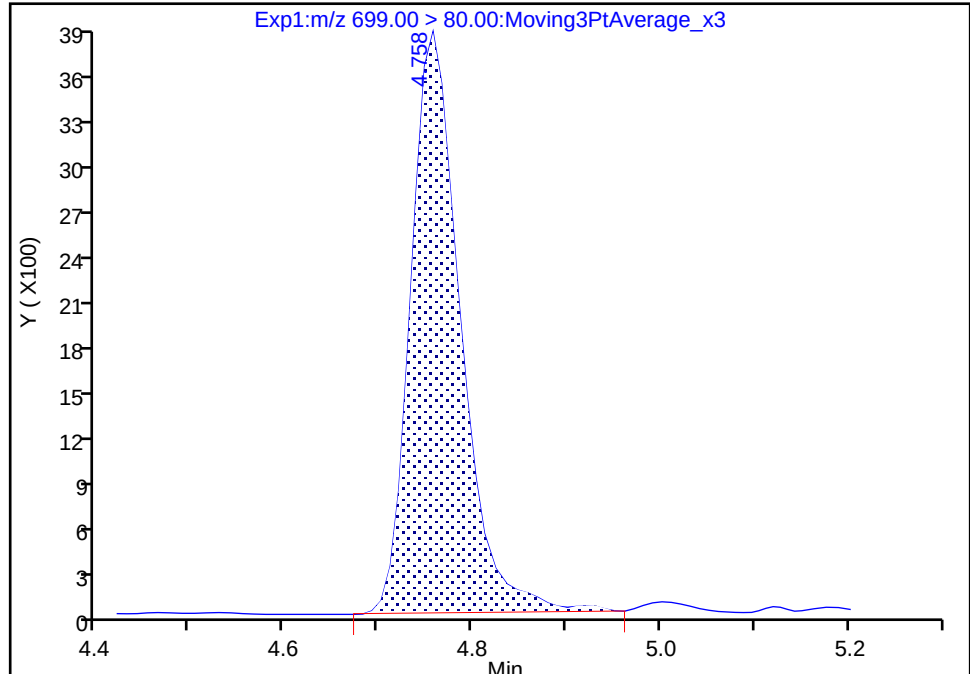
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d
Injection Date: 30-Nov-2022 09:49:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

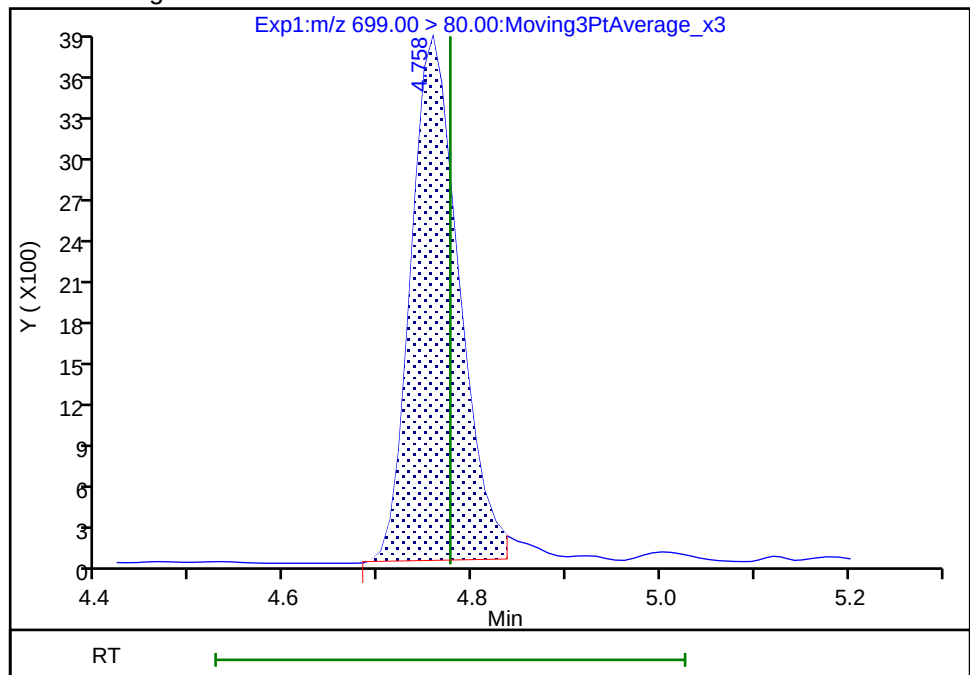
RT: 4.76
Area: 14161
Amount: 0.050656
Amount Units: ng/ml

Processing Integration Results



RT: 4.76
Area: 13593
Amount: 0.048624
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:12:18

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

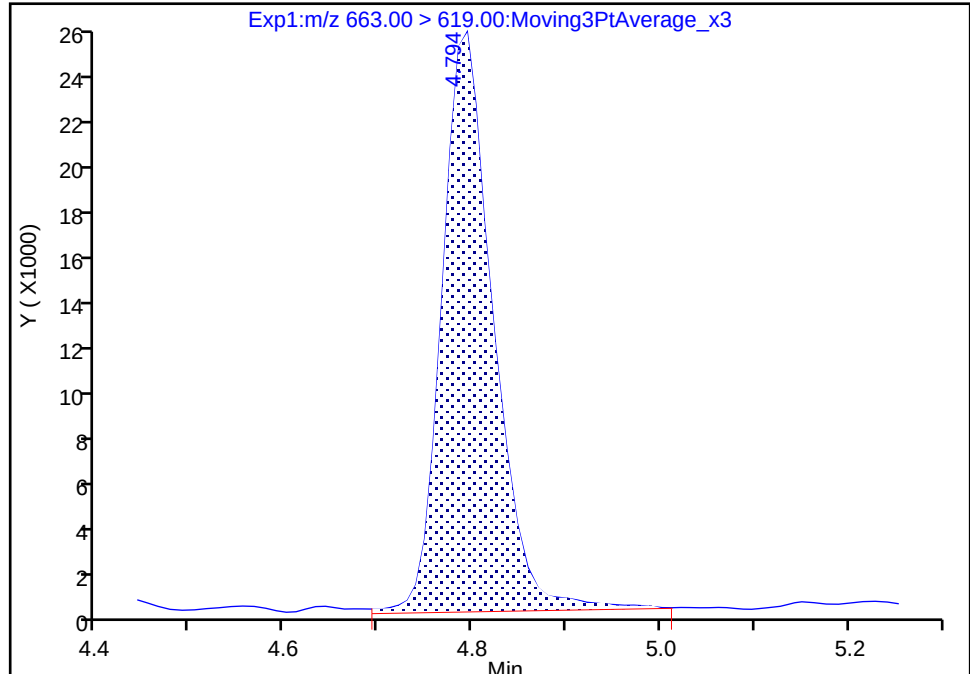
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d
Injection Date: 30-Nov-2022 09:49:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

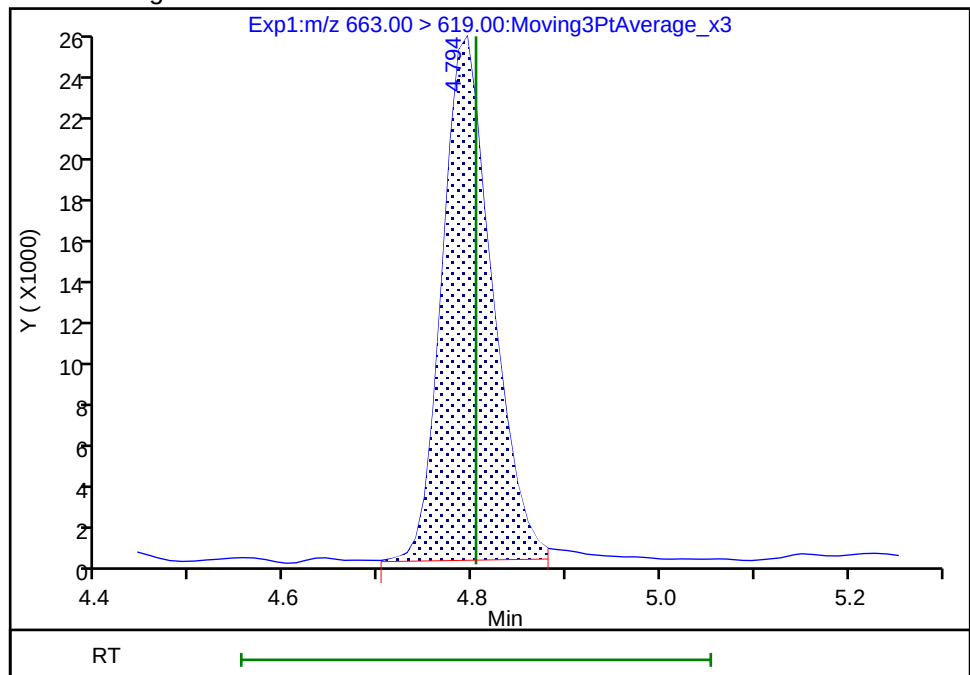
RT: 4.79
Area: 93286
Amount: 0.049841
Amount Units: ng/ml

Processing Integration Results



RT: 4.79
Area: 89144
Amount: 0.047628
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:12:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

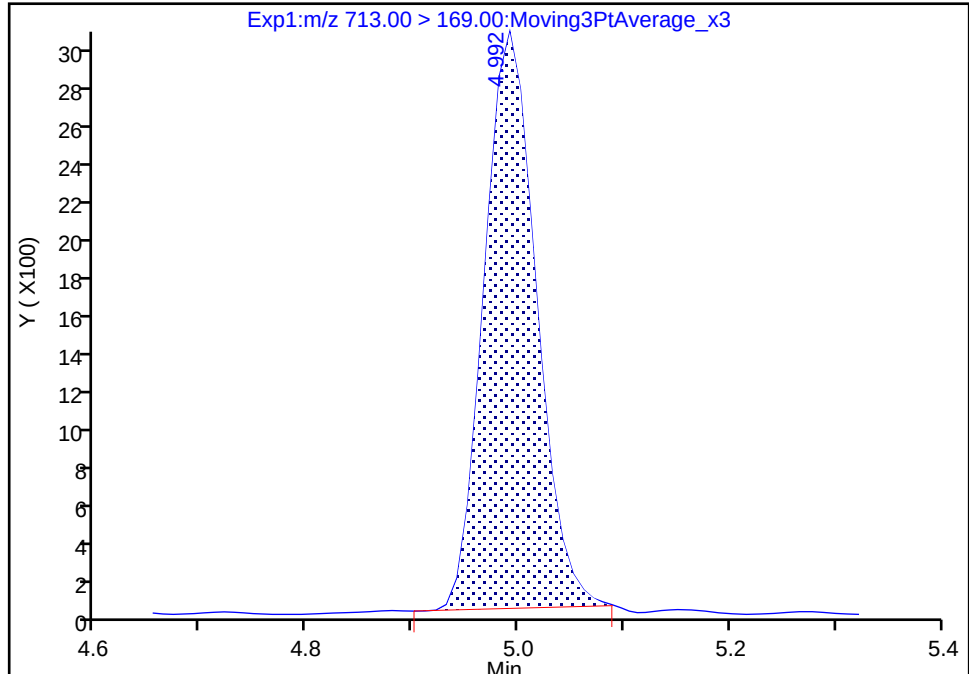
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d
Injection Date: 30-Nov-2022 09:49:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

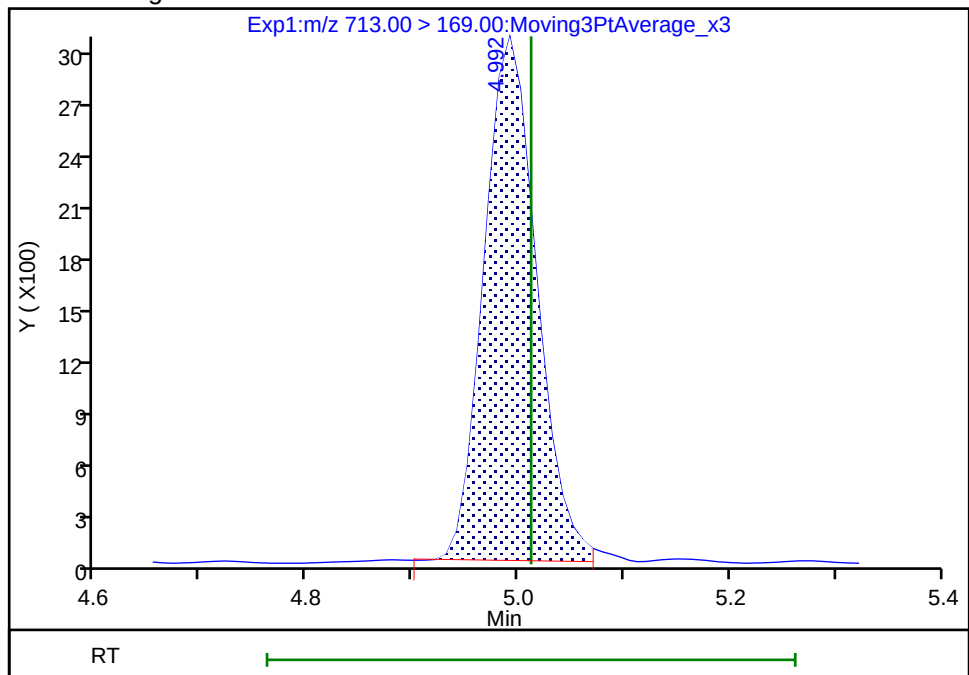
RT: 4.99
Area: 10315
Amount: 0.046522
Amount Units: ng/ml

Processing Integration Results



RT: 4.99
Area: 10484
Amount: 0.047284
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:12:36

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

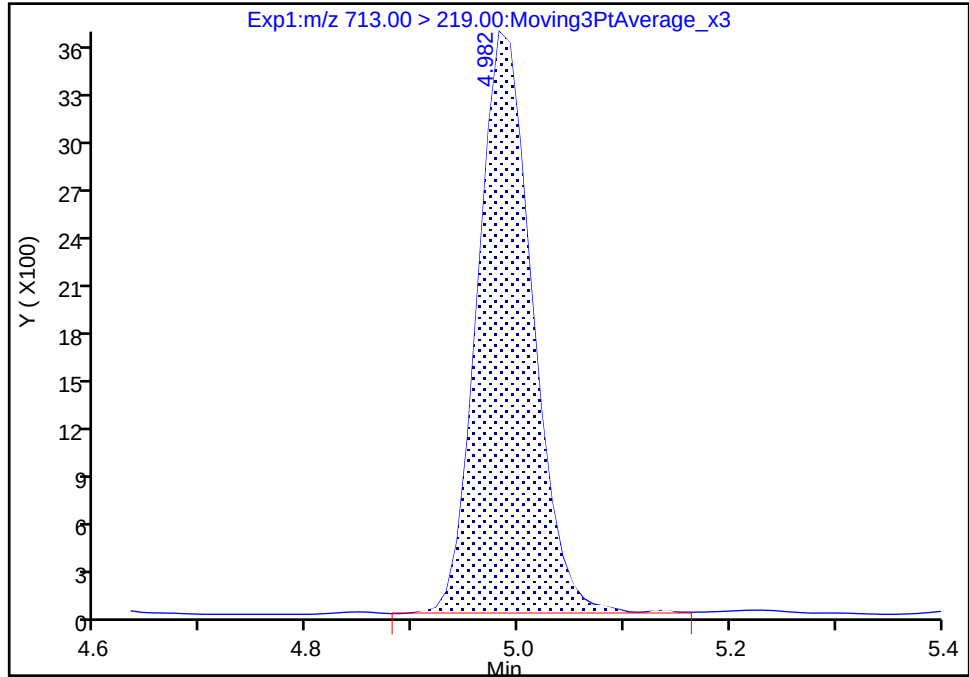
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d
Injection Date: 30-Nov-2022 09:49:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

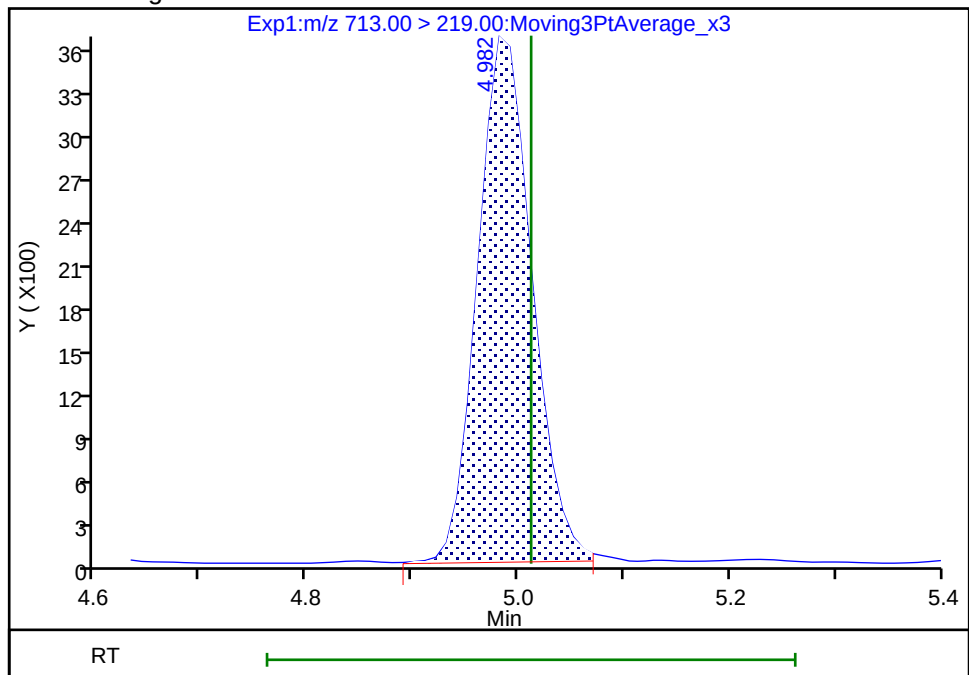
RT: 4.98
Area: 12933
Amount: 0.046522
Amount Units: ng/ml

Processing Integration Results



RT: 4.98
Area: 12849
Amount: 0.047284
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:12:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

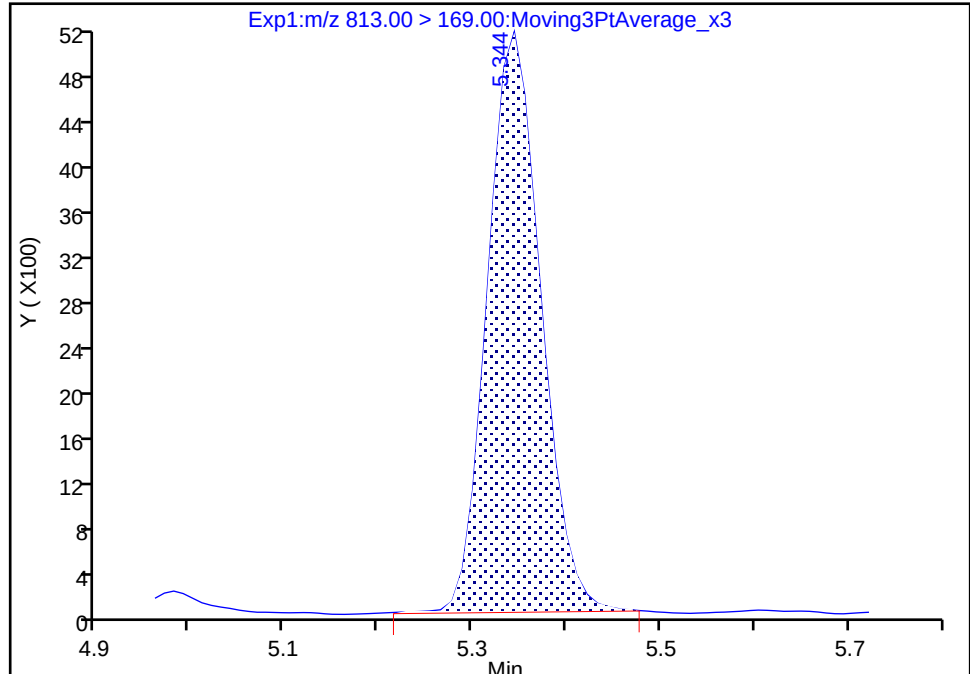
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d
Injection Date: 30-Nov-2022 09:49:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

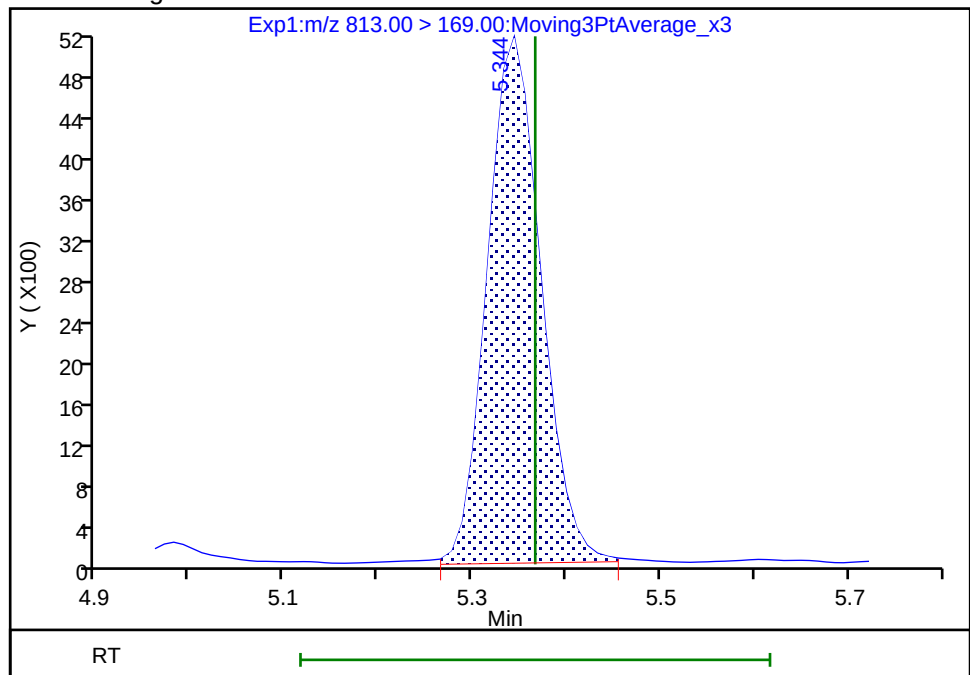
RT: 5.34
Area: 20305
Amount: 0.045277
Amount Units: ng/ml

Processing Integration Results



RT: 5.34
Area: 20524
Amount: 0.044424
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:12:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d

Injection Date: 30-Nov-2022 09:49:18

Instrument ID: LC812

Lims ID: CCVLIS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

2

Worklist Smp#: 5

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

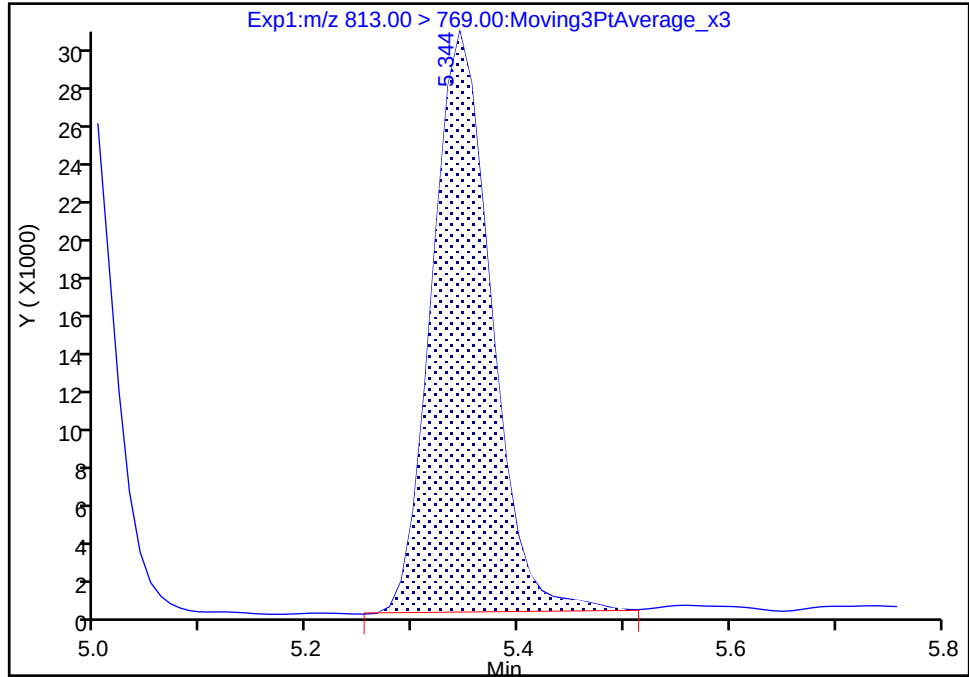
EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

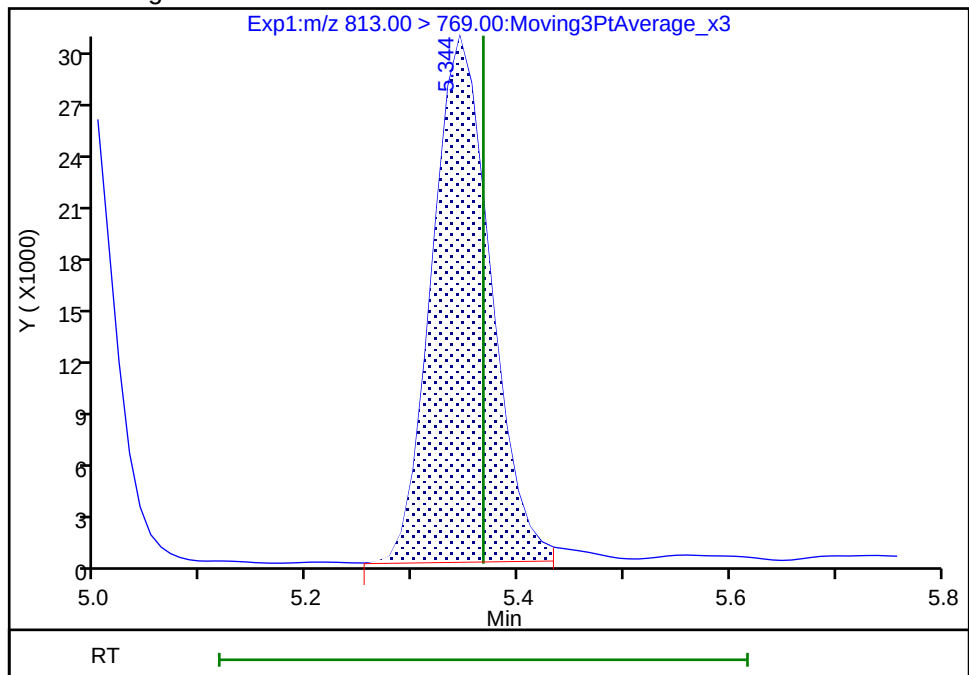
RT: 5.34
Area: 118563
Amount: 0.045277
Amount Units: ng/ml

Processing Integration Results



RT: 5.34
Area: 116942
Amount: 0.044424
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:12:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

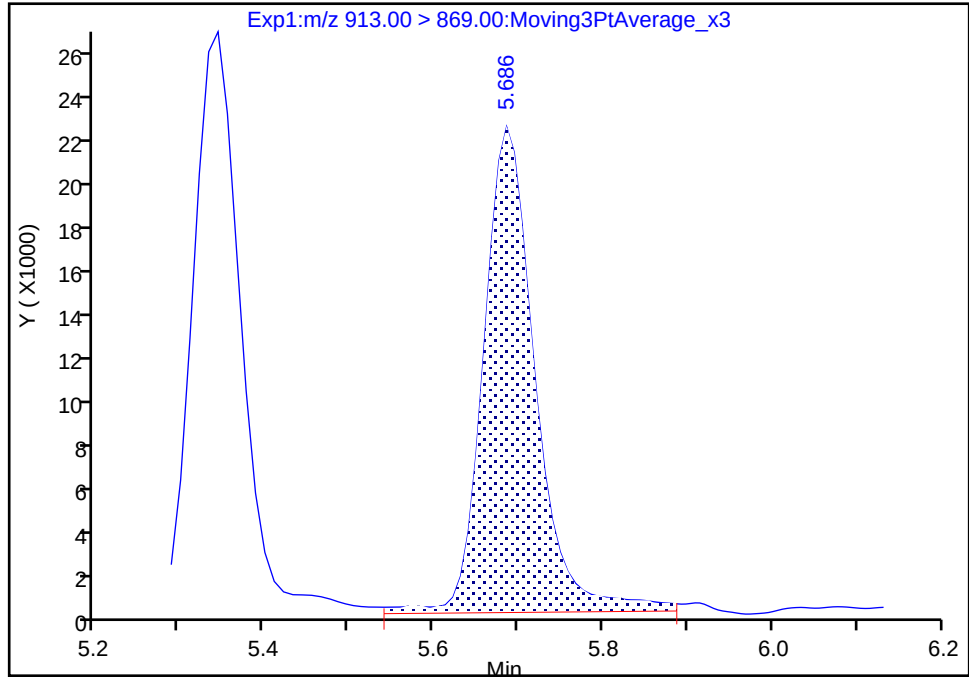
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d
Injection Date: 30-Nov-2022 09:49:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

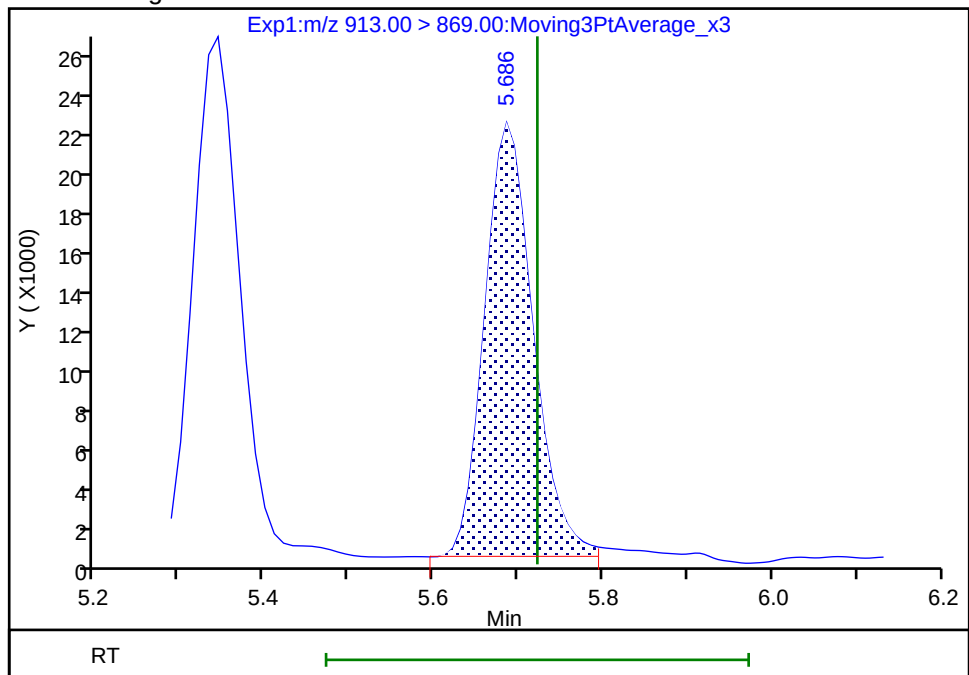
RT: 5.69
Area: 92388
Amount: 0.054249
Amount Units: ng/ml

Processing Integration Results



RT: 5.69
Area: 85304
Amount: 0.050089
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:13:12

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

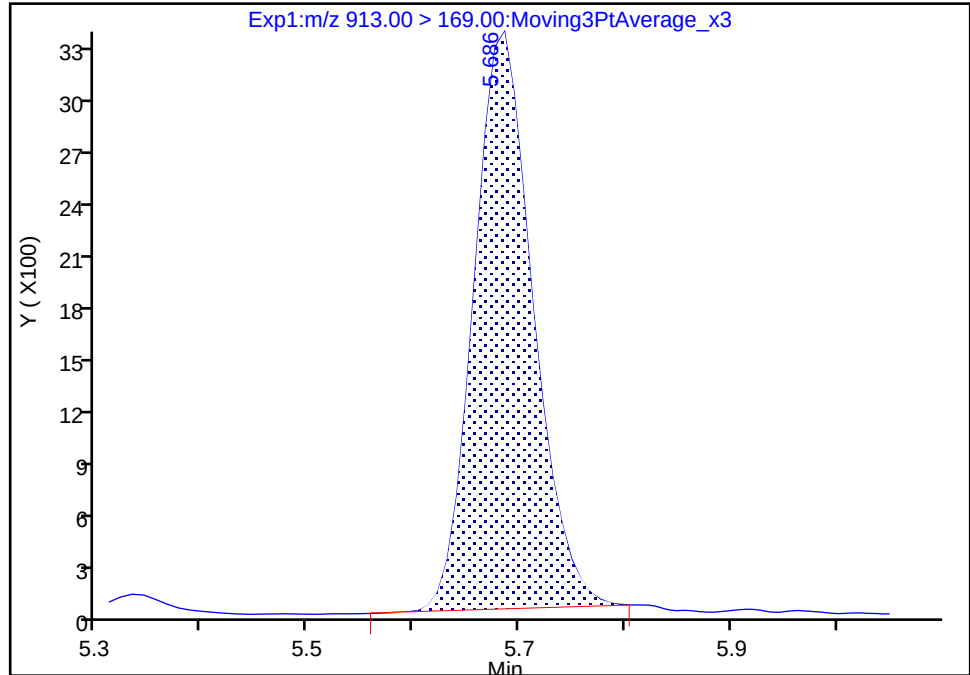
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A05.d
Injection Date: 30-Nov-2022 09:49:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

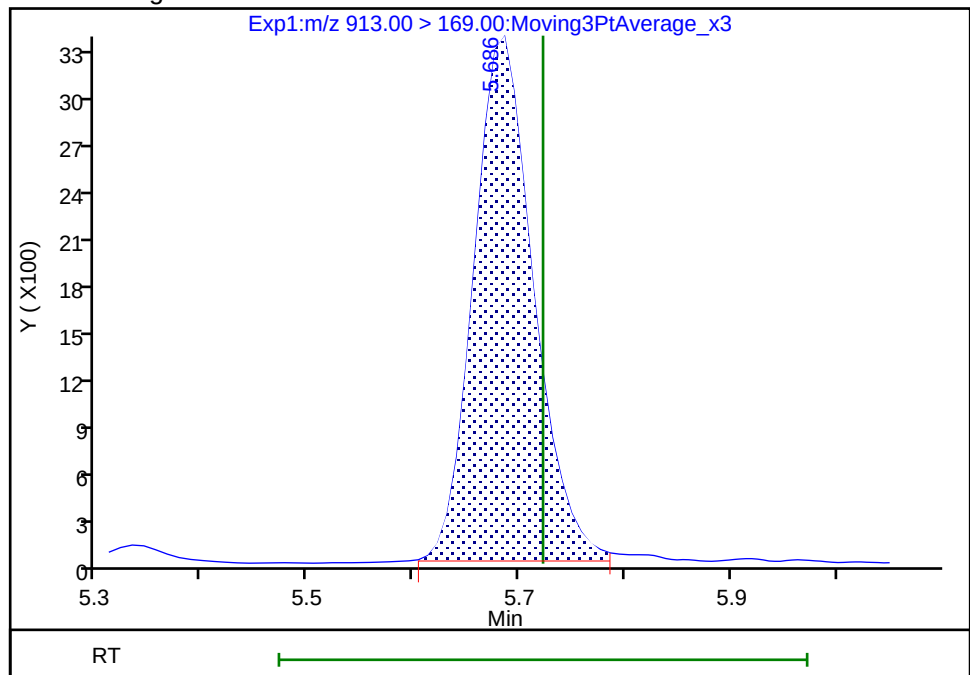
RT: 5.69
Area: 12987
Amount: 0.054249
Amount Units: ng/ml

Processing Integration Results



RT: 5.69
Area: 13189
Amount: 0.050089
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:13:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-269761-1

SDG No.: _____

Lab Sample ID: CCV 200-186193/20 Calibration Date: 11/30/2022 11:51

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: PA221130A20.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	0.9773		0.948	1.00	-5.2	
Perfluoropentanoic acid (PFPeA)	AveID	1.090	0.999		0.917	1.00	-8.3	
Perfluorobutanesulfonic acid (PFBS)	AveID	1.144	1.062		0.821	0.884	-7.1	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	3.081	2.866		0.869	0.934	-7.0	
Perfluorohexanoic acid (PFHxA)	AveID	1.090	0.9932		0.911	1.00	-8.9	
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.335	1.230		0.864	0.938	-7.9	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.056	1.028		0.973	1.00	-2.7	
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.129	1.030		0.830	0.910	-8.7	
Perfluoroheptanoic acid (PFHpA)	AveID	1.089	1.032		0.947	1.00	-5.3	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	5.507	5.354		0.916	0.942	-2.8	
6:2 FTS	L1ID		2.135		0.946	0.948	-0.2	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.397	1.373		0.936	0.952	-1.7	
Perfluorooctanoic acid (PFOA)	AveID	1.069	0.996		0.932	1.00	-6.8	
Perfluorooctanesulfonic acid (PFOS)	AveID	1.216	1.150		0.878	0.928	-5.4	
Perfluorononanoic acid (PFNA)	AveID	1.037	1.038		1.00	1.00	0.1	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O)	AveID	2.791	2.674		0.893	0.932	-4.2	
Perfluorononanesulfonic acid (PFNS)	AveID	0.9179	0.8583		0.898	0.960	-6.5	
Perfluorodecanoic acid (PFDA)	AveID	1.084	0.9753		0.899	1.00	-10.1	
8:2 FTS	AveID	1.617	1.615		0.957	0.958	-0.1	
Perfluorooctanesulfonamide (FOSA)	AveID	1.045	0.9877		0.945	1.00	-5.5	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	L1ID		0.8891		1.02	1.00	2.2	30.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.7248	0.6979		0.928	0.964	-3.7	
Perfluoroundecanoic acid (PFUnA)	AveID	1.008	0.9846		0.977	1.00	-2.3	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.8953	0.8569		0.957	1.00	-4.3	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF)	AveID	4.303	3.969		0.869	0.942	-7.8	
Perfluorododecanoic acid (PFDoA)	AveID	1.059	1.019		0.962	1.00	-3.8	
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	AveID	0.9717	0.9578		0.950	0.964	-1.4	
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.3067	0.2957		0.933	0.968	-3.6	

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-269761-1
 SDG No.: _____
 Lab Sample ID: CCV 200-186193/20 Calibration Date: 11/30/2022 11:51
 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: PA221130A20.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	0.9789		0.966	1.00	-3.4	
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1369	0.1266		0.924	1.00	-7.6	
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		0.8463		0.903	1.00	-9.7	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.8236	0.7936		0.964	1.00	-3.6	
13C4 PFBA	Ave	1.122	1.077		1.20	1.25	-4.0	
13C5 PFPeA	Ave	0.8543	0.8696		1.27	1.25	1.8	
13C3 PFBS	Ave	0.9281	0.9547		1.20	1.16	2.9	
M2-4:2 FTS	Ave	0.0820	0.0872		1.24	1.17	6.3	
13C2 PFHxA	Ave	0.8951	0.9163		1.28	1.25	2.4	
13C3 HFPO-DA	Ave	0.1580	0.1591		1.26	1.25	0.7	
13C4 PFHpA	Ave	0.9206	0.9096		1.24	1.25	-1.2	50.0
18O2 PFHxS	Ave	0.6761	0.7018		1.23	1.18	3.8	50.0
M2-6:2 FTS	Ave	0.1134	0.1219		1.28	1.19	7.5	
13C4 PFOA	Ave	1.035	1.036		1.25	1.25	0.1	50.0
13C4 PFOS	Ave	0.4588	0.4596		1.20	1.20	0.2	50.0
13C5 PFNA	Ave	1.006	0.9798		1.22	1.25	-2.6	50.0
13C2 PFDA	Ave	1.025	1.036		1.26	1.25	1.1	
M2-8:2 FTS	Ave	0.1387	0.1507		1.30	1.20	8.7	
13C8 FOSA	Ave	0.8403	0.8673		1.29	1.25	3.2	
d3-NMeFOSAA	Ave	0.2087	0.2029		1.22	1.25	-2.8	
13C2 PFUnA	Ave	0.9385	0.9609		1.28	1.25	2.4	
d5-NEtFOSAA	Ave	0.2055	0.2133		1.30	1.25	3.8	
13C2 PFDoA	Ave	0.9562	0.9494		1.24	1.25	-0.7	
13C2 PFTeDA	Ave	0.8270	0.9258		1.40	1.25	11.9	
13C2 PFHxDA	Ave	1.022	1.129		1.38	1.25	10.5	

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A20.d
 Lims ID: CCV L4
 Client ID:
 Sample Type: CCV
 Inject. Date: 30-Nov-2022 11:51:54 ALS Bottle#: 17 Worklist Smp#: 20
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: CCV L4
 Misc. Info.: 200-0053485-020 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Sublist: chrom-PFC_LC812*sub3
 Method: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 01-Dec-2022 08:25:14 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: CTX1681

First Level Reviewer: khanphomeea

Date: 01-Dec-2022 10:47:21

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.093	2.076	0.017	0.610	2554545	1.20		96.0	9610	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.102	2.076	0.026	1.004	1997297	0.9478		94.8	167	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.387	0.013	0.700	2062922	1.27		102	3225	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.400	2.387	0.013	1.000	1649190	0.9169		91.7	43.1	M
D 47 13C3 PFBS										
301.90 > 80.00	2.413	2.400	0.013	0.704	2106332	1.20		103	358715	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.426	2.400	0.026	1.006	1701795	0.8209	Target=2.09	92.9	2319	
298.90 > 99.00	2.426	2.400	0.026	1.006	807158		2.11(1.04-3.13)		567	
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.701	2.689	0.012	1.000	442768	0.8688		93.0	1879	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.701	2.689	0.012	0.788	193135	1.24		106	181	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.737	2.725	0.012	0.798	2173770	1.28		102	4440	
6 Perfluorohexanoic acid										
313.00 > 269.00	2.737	2.725	0.012	1.000	1727145	0.9115	Target=14.25	91.1	332	
313.00 > 119.00	2.737	2.725	0.012	1.000	122744		14.07(7.12-21.37)		232	
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.749	2.737	0.012	0.891	1536141	0.8637	Target=3.04	92.1	2564	
349.00 > 99.00	2.749	2.737	0.012	0.891	526455		2.92(1.52-4.56)		897	
67 Perfluoro(2-propoxypropanoic) ac										
285.00 > 169.00	2.847	2.835	0.012	1.000	310208	0.9732		97.3	2874	

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	0.830	377337	1.26		101	3196	
D 11 18O2 PFHxS										
403.00 > 84.00	3.087	3.088	-0.001	0.900	1574904	1.23		104	2621	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.087	3.088	-0.001	1.000	1248309	0.8304	Target=3.66	91.3	1519	M
399.00 > 99.00	3.087	3.088	-0.001	1.000	358162		3.49(1.83-5.49)		419	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.087	3.099	-0.012	0.900	2157812	1.24		98.8	2289	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.098	3.099	-0.001	1.004	1780741	0.9474	Target=3.97	94.7	349	
363.00 > 169.00	3.098	3.099	-0.001	1.004	463003		3.85(1.98-5.95)		1039	
77 DONA										
377.00 > 251.00	3.132	3.132	0.0	0.837	4398999	0.9158	Target=3.16	97.2	3827	
377.00 > 85.00	3.132	3.132	0.0	0.837	1377231		3.19(1.58-4.73)		1847	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.420	3.439	-0.019	0.997	274665	1.28		107	748	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.420	3.439	-0.019	1.000	468181	0.9463		99.8	331	M
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.420	3.439	-0.019	0.914	1140353	0.9360	Target=5.14	98.3	1934	M
449.00 > 99.00	3.420	3.439	-0.019	0.914	230727		4.94(2.57-7.72)		707	M
D 14 13C4 PFOA										
417.00 > 372.00	3.429	3.448	-0.019	1.000	2458558	1.25		100	3407	
* 62 13C2 PFOA										
415.00 > 370.00	3.429	3.448	-0.019		2372304	1.25			5260	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.429	3.448	-0.019	1.000	1958986	0.9317	Target=2.79	93.2	129	M
413.00 > 169.00	3.429	3.448	-0.019	1.000	688332		2.85(1.40-4.19)		682	M
D 18 13C4 PFOS										
503.00 > 80.00	3.743	3.764	-0.021	1.092	1042359	1.20		100	1583	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.743	3.764	-0.021	1.000	931279	0.8779	Target=5.11	94.6	493	M
499.00 > 99.00	3.734	3.764	-0.030	0.997	198168		4.70(2.55-7.66)		358	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.762	3.783	-0.021	1.003	1931097	1.00	Target=8.55	100	381	
463.00 > 169.00	3.762	3.783	-0.021	1.003	227568		8.49(4.28-12.83)		1357	
D 19 13C5 PFNA										
468.00 > 423.00	3.753	3.783	-0.030	1.095	2324405	1.22		97.4	5304	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.902	3.928	-0.026	1.042	2173952	0.8929		95.8	4284	M
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.032	4.050	-0.018	1.077	718715	0.8977	Target=2.53	93.5	2275	
549.00 > 99.00	4.023	4.050	-0.027	1.075	291121		2.47(1.27-3.80)		1232	
D 23 13C2 PFDA										
515.00 > 470.00	4.050	4.081	-0.031	1.181	2457644	1.26		101	6486	

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	4.050	4.081	-0.031	1.000	1917496	0.8993	Target=10.26	89.9	630	
513.00 > 169.00	4.050	4.081	-0.031	1.000	195503		9.81(5.13-15.38)		378	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.061	4.093	-0.033	1.184	342436	1.30		109	1510	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.061	4.093	-0.033	1.000	442426	0.9568		99.9	2610	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.127	4.150	-0.023	1.000	1625644	0.9454		94.5	1912	
D 21 13C8 FOSA										
506.00 > 78.00	4.127	4.150	-0.023	1.204	2057458	1.29		103	2174	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.195	4.228	-0.033	1.224	481265	1.22		97.2	584	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.207	4.228	-0.021	1.003	342315	1.02		102	682	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.297	4.331	-0.034	1.148	586821	0.9282	Target=2.51	96.3	3910	
599.00 > 99.00	4.297	4.331	-0.034	1.148	220610		2.66(1.25-3.76)		1842	
D 30 13C2 PFUnA										
565.00 > 520.00	4.331	4.353	-0.023	1.263	2279610	1.28		102	3867	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.331	4.353	-0.023	1.000	1795553	0.9769	Target=9.88	97.7	576	
563.00 > 169.00	4.319	4.353	-0.034	0.997	181130		9.91(4.94-14.82)		912	
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.342	4.365	-0.023	1.003	346948	0.9572		95.7	852	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.331	4.365	-0.035	1.263	506105	1.30		104	905	M
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.421	4.454	-0.033	1.181	3261166	0.8689		92.2	3686	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.567	4.591	-0.024	1.000	1835909	0.9617	Target=7.77	96.2	188	
613.00 > 169.00	4.567	4.591	-0.024	1.000	246358		7.45(3.89-11.66)		1110	
D 36 13C2 PFDaA										
615.00 > 570.00	4.567	4.591	-0.024	1.332	2252320	1.24		99.3	3857	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.580	4.612	-0.032	1.128	264021	0.9502		98.6	734	M
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.739	4.776	-0.037	1.266	249693	0.9335	Target=0.50	96.4	1771	M
699.00 > 99.00	4.739	4.776	-0.037	1.266	490383		0.51(0.25-0.76)		2866	M
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.776	4.804	-0.028	1.046	1763800	0.9661	Target=5.21	96.6	141	M
663.00 > 169.00	4.776	4.804	-0.028	1.046	320218		5.51(2.60-7.81)		907	M
42 Perfluorotetradecanoic acid										
713.00 > 169.00	4.972	5.012	-0.040	1.000	222344	0.9244	Target=0.89	92.4	1161	M
713.00 > 219.00	4.972	5.012	-0.040	1.000	236095		0.94(0.44-1.33)		791	M
D 43 13C2 PFTeDA										
715.00 > 670.00	4.972	5.012	-0.040	1.450	2196196	1.40		112	7784	

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	1813999	0.9033	Target=5.65	90.3	160	M
813.00 > 169.00	5.333	5.367	-0.034	1.000	321844		5.64(2.82-8.47)		1623	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.333	5.367	-0.034	1.555	2679233	1.38		110	4354	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.677	5.722	-0.045	1.064	1700994	0.9636	Target=6.24	96.4	184	M
913.00 > 169.00	5.677	5.722	-0.045	1.064	270460		6.29(3.12-9.36)		845	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\20221130-53485.b\PA221130A20.d

Injection Date: 30-Nov-2022 11:51:54

Instrument ID: LC812

Lims ID: CCV L4

Client ID:

Operator ID: lc812tech

ALS Bottle#: 17

Worklist Smp#: 20

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

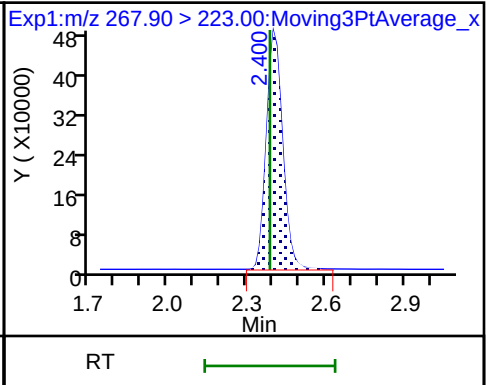
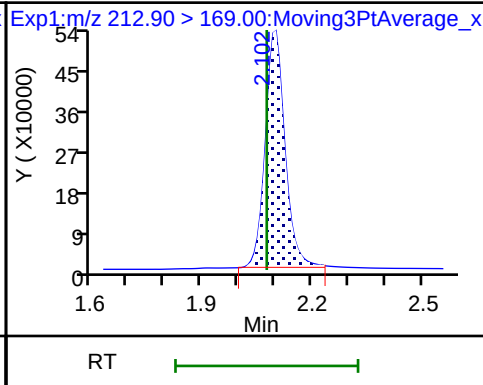
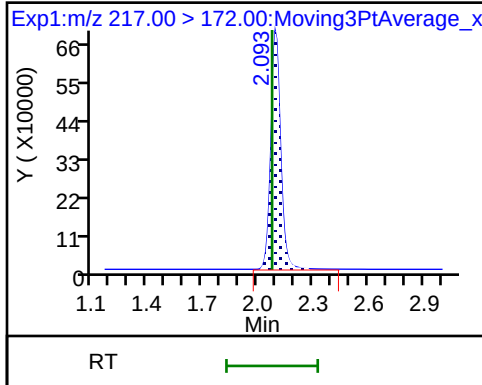
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

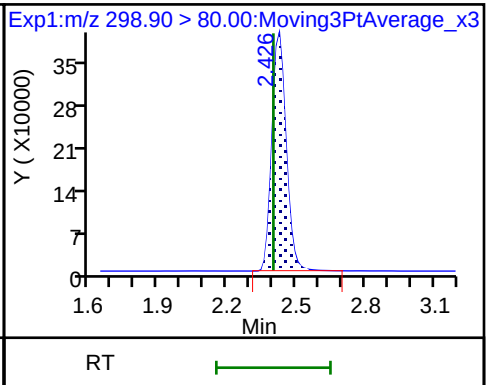
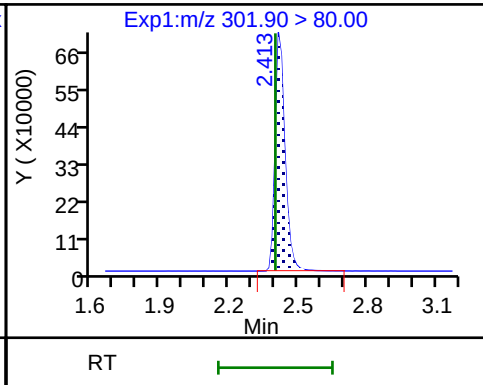
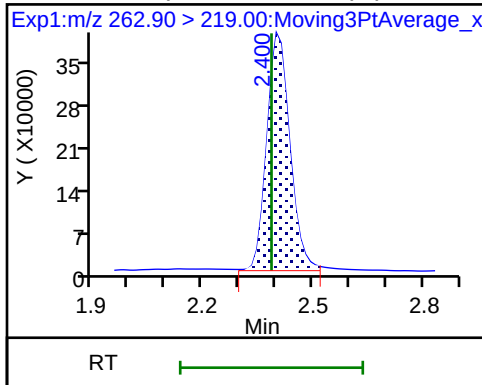
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS

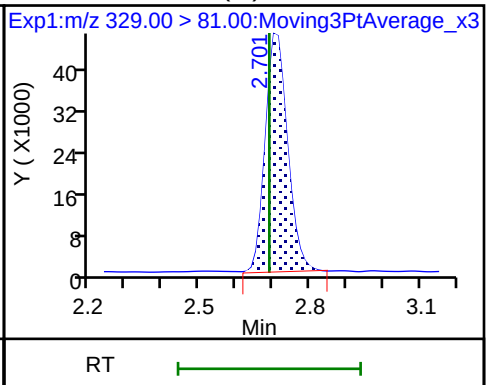
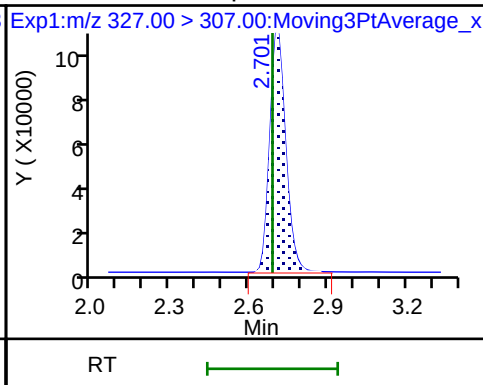
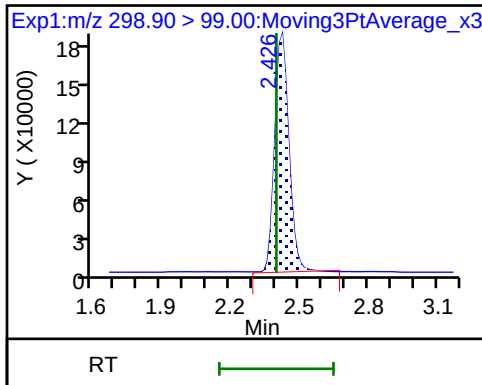
5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid

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

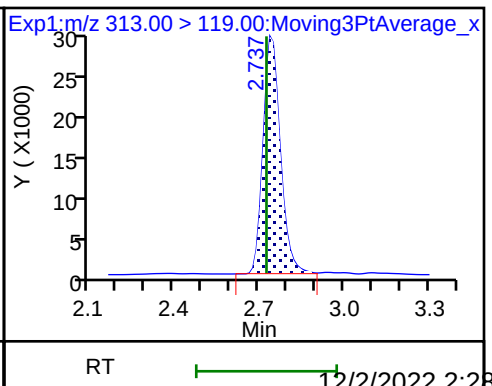
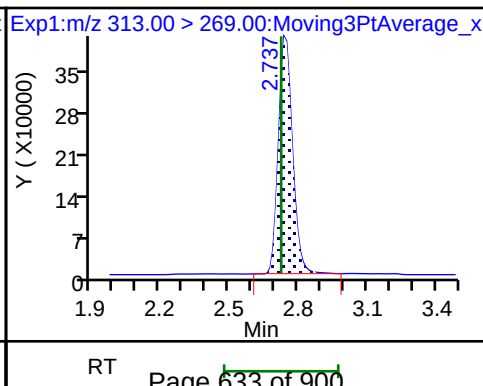
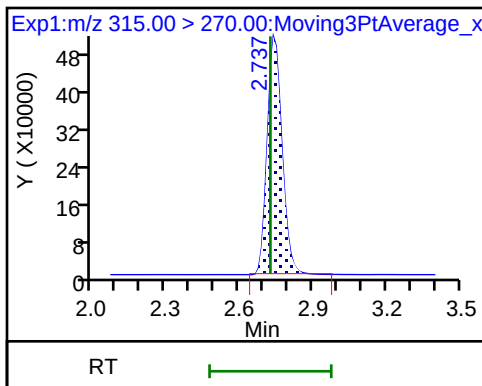
D 60 M2-4:2 FTS (M)

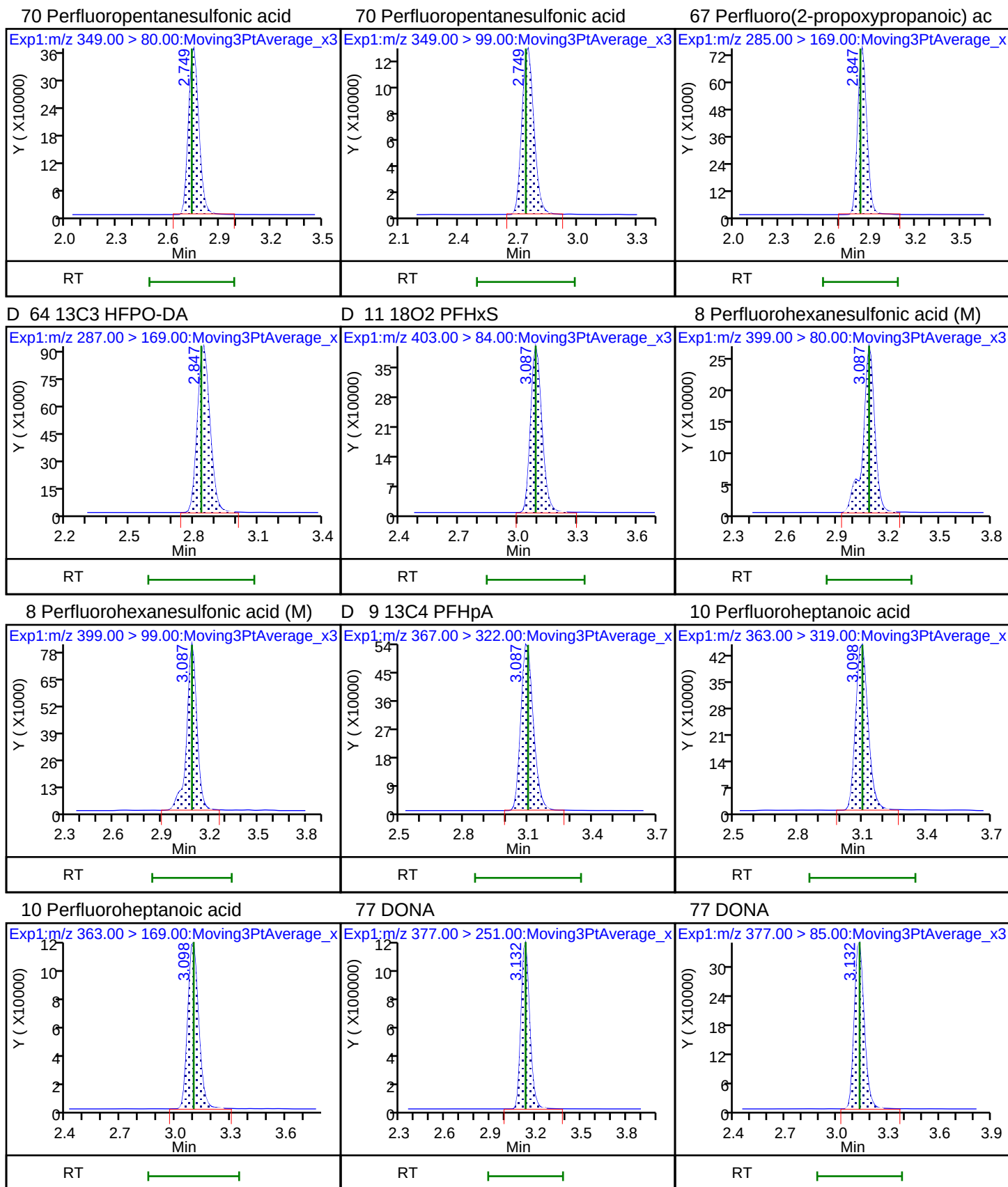


D 7 13C2 PFHxA

6 Perfluorohexanoic acid

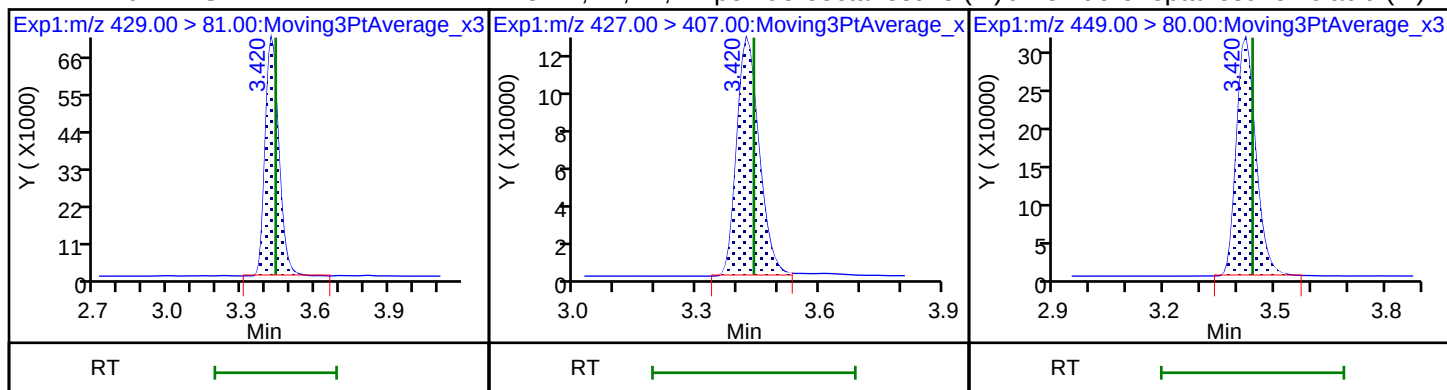
6 Perfluorohexanoic acid





D 12 M2-6:2 FTS

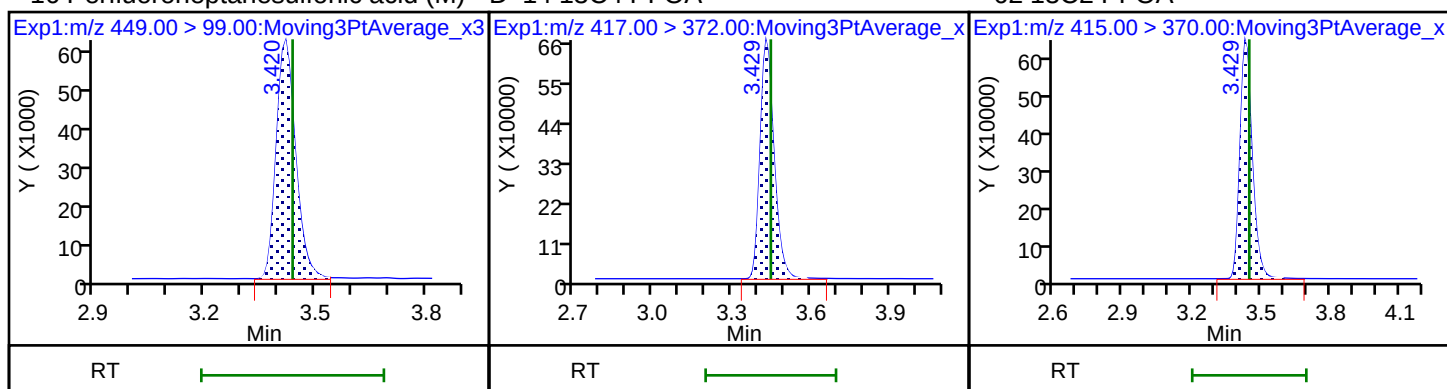
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

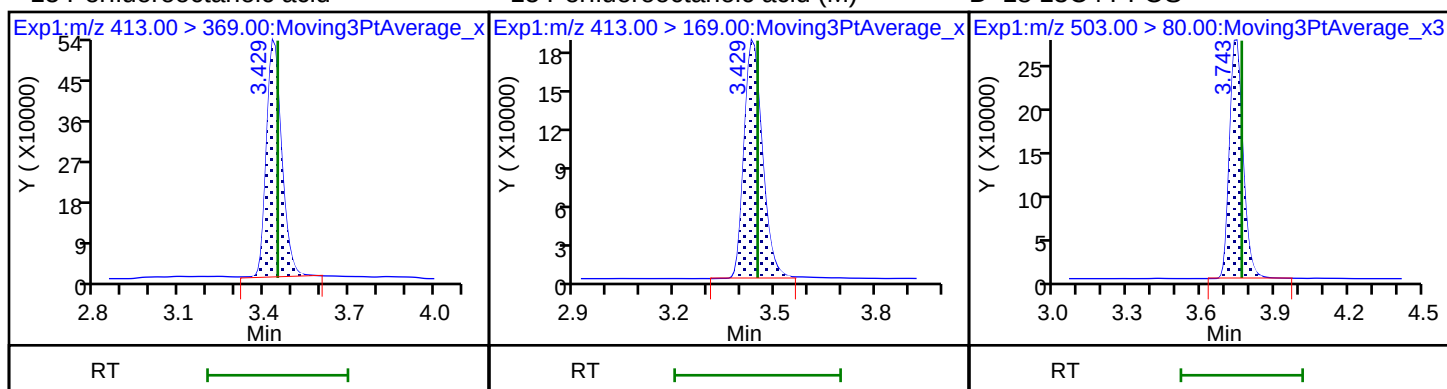
* 62 13C2 PFOA



15 Perfluorooctanoic acid

15 Perfluorooctanoic acid (M)

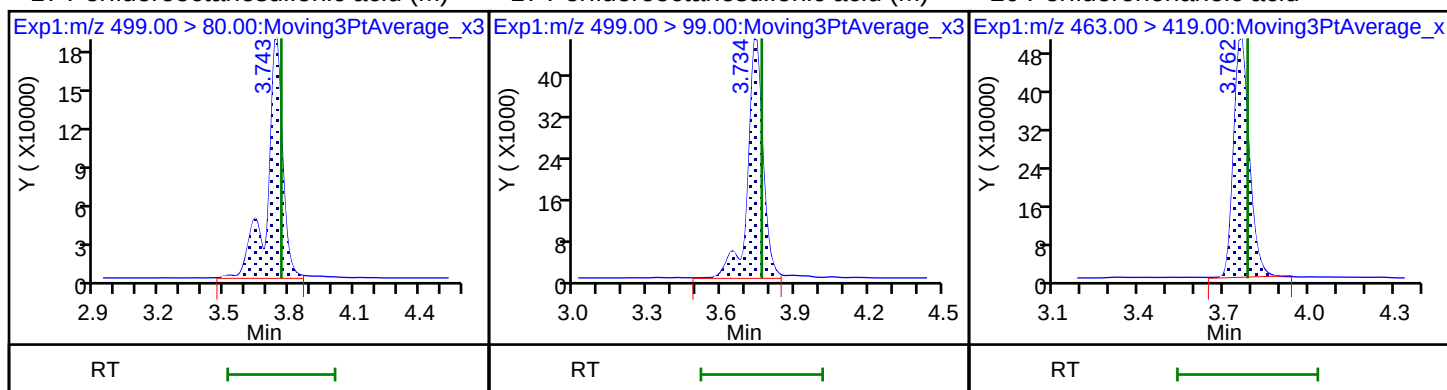
D 18 13C4 PFOS

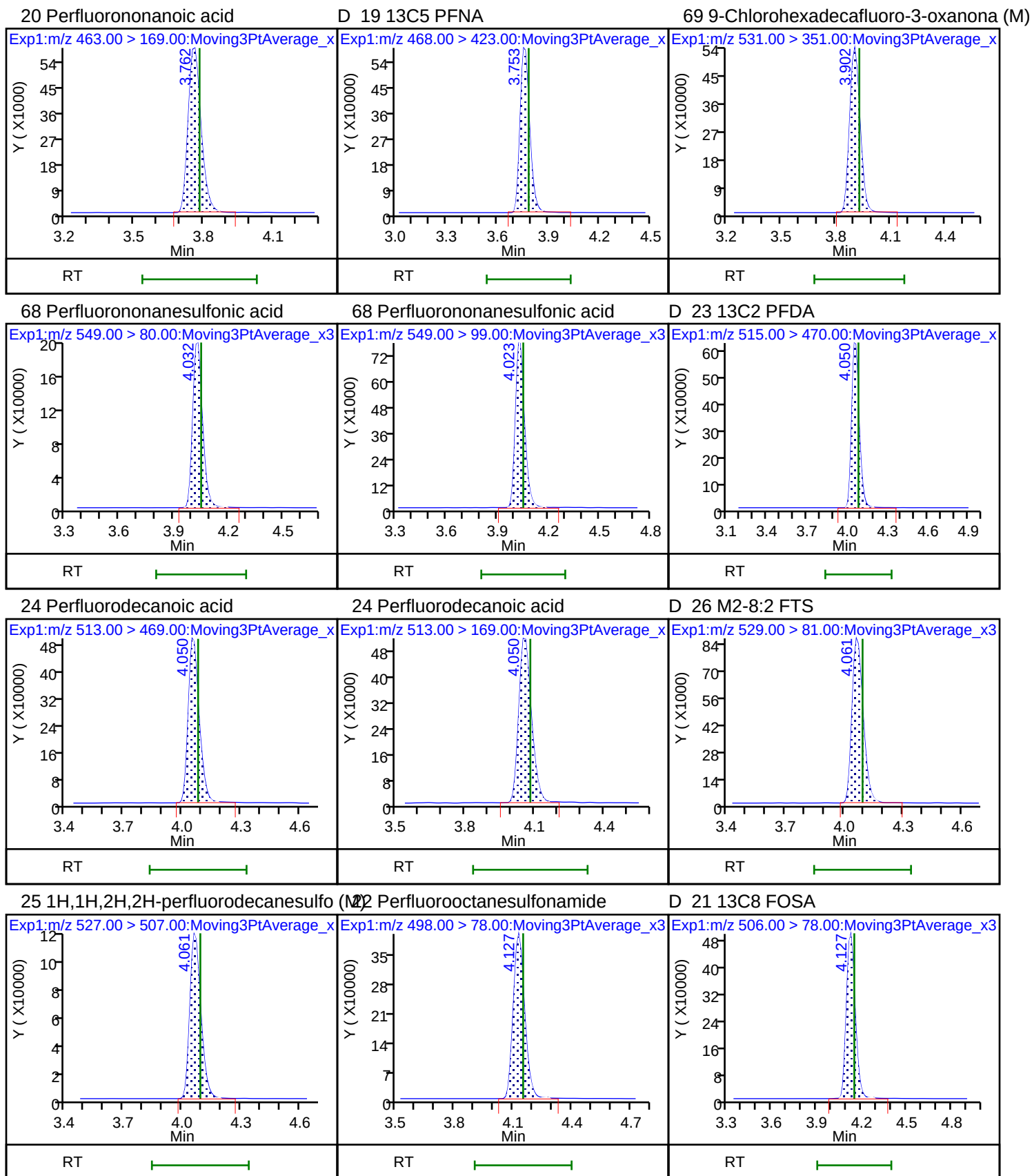


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid

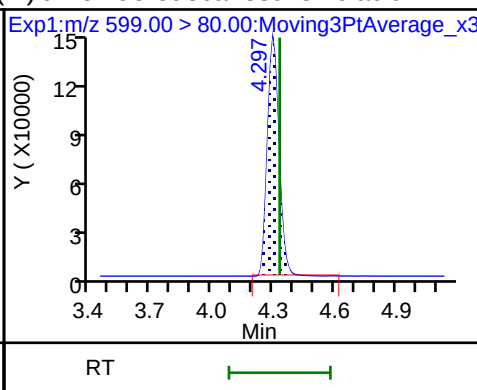
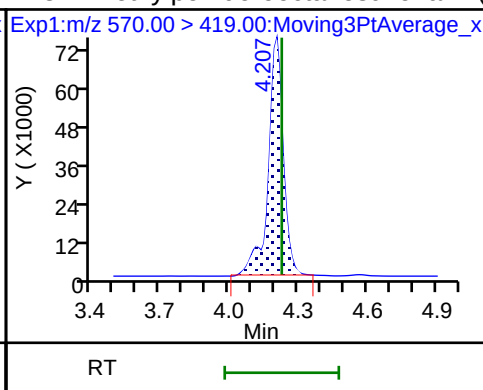
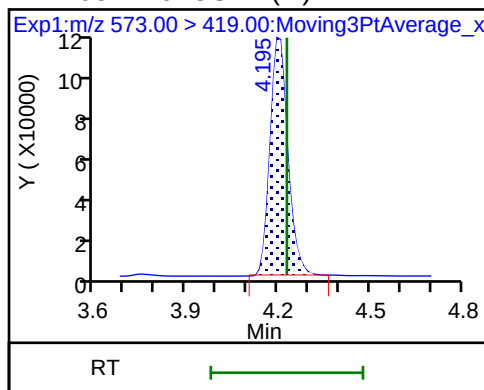




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

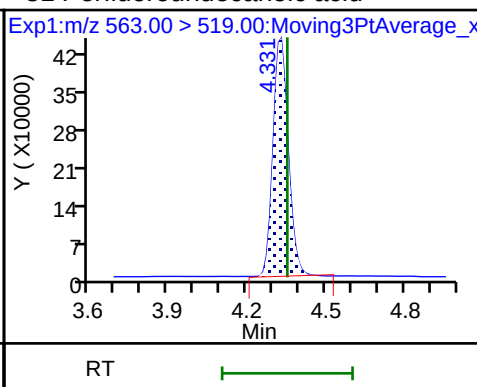
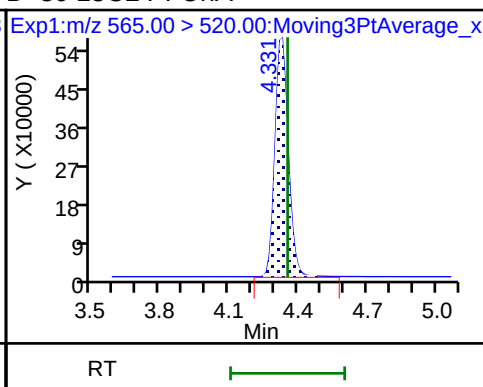
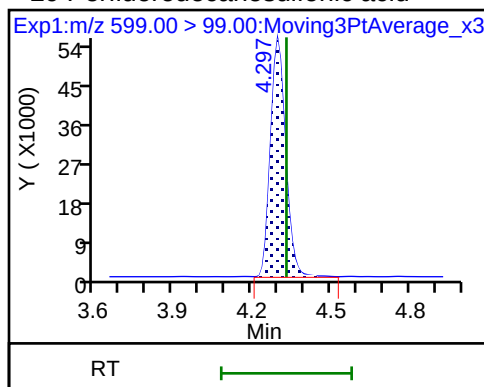
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid

D 30 13C2 PFUnA

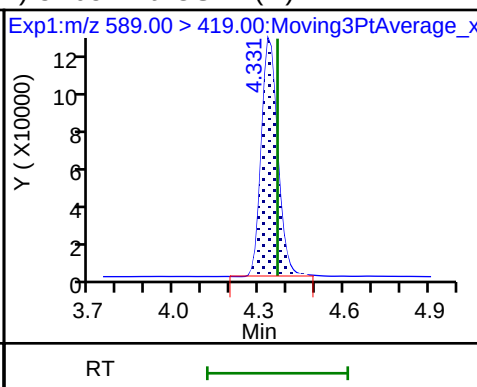
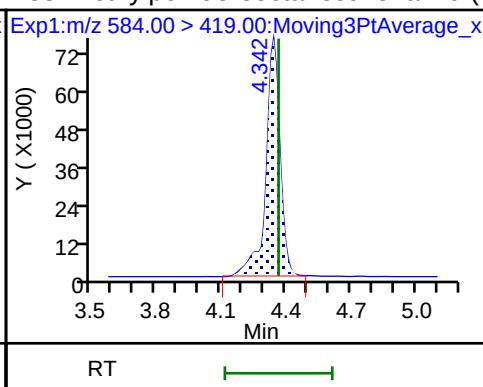
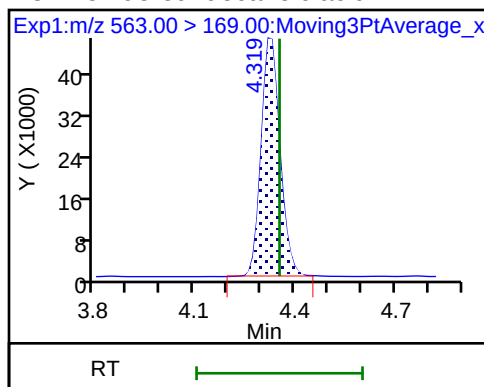
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid

33 N-ethylperfluorooctanesulfonamid (M)

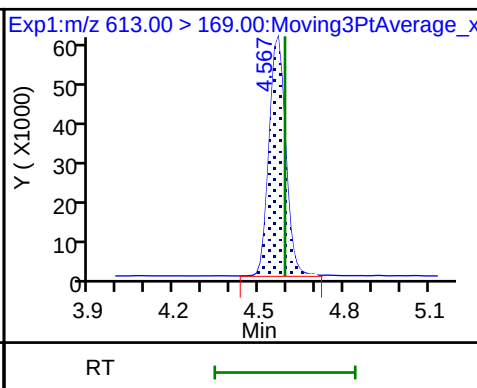
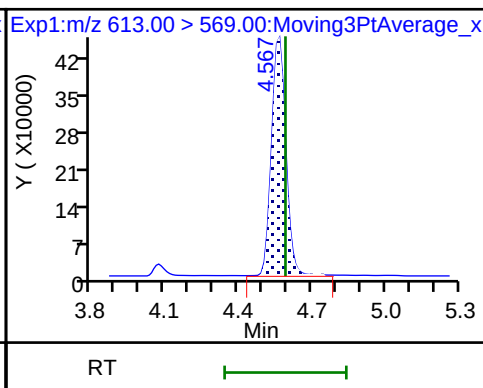
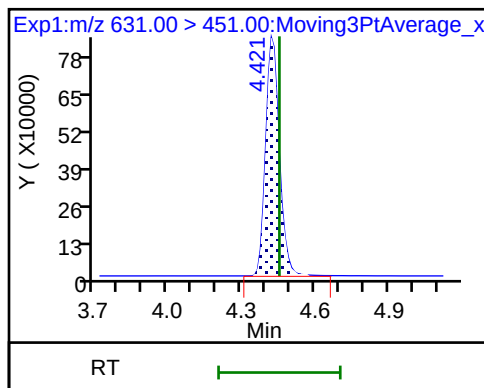
32 d5-NEtFOSAA (M)



66 11-Chloroeicosafluoro-3-oxaundec

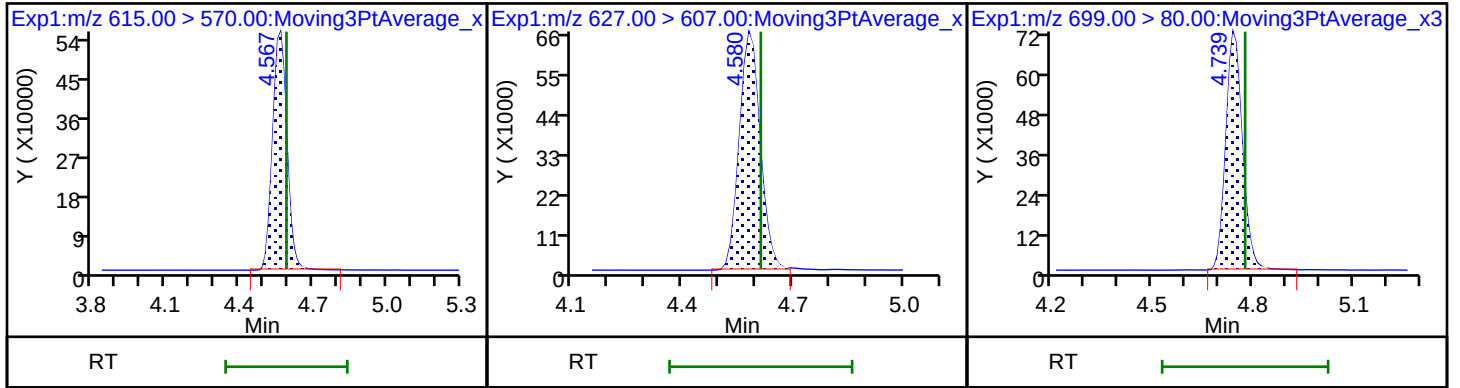
37 Perfluorododecanoic acid

37 Perfluorododecanoic acid



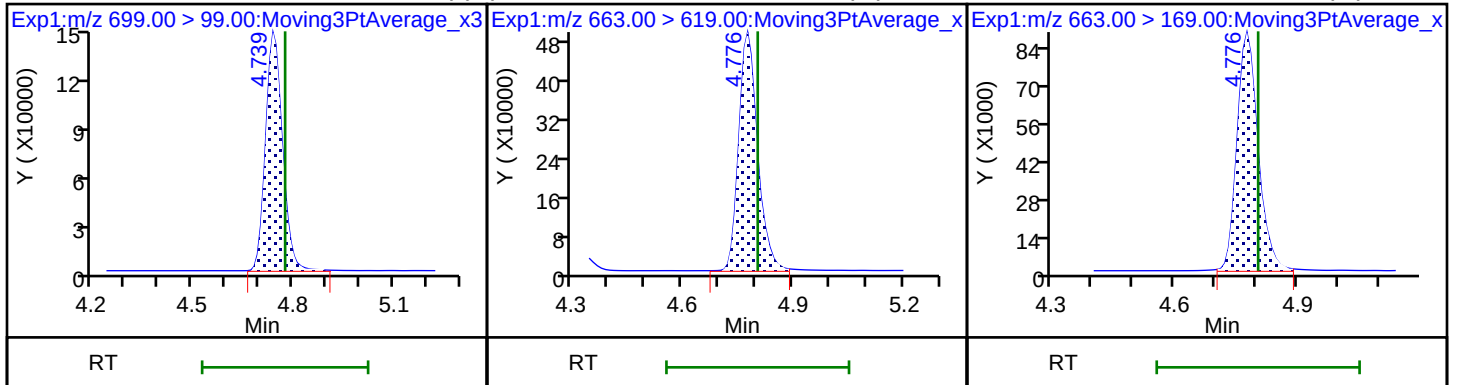
D 36 13C2 PFDaA

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



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

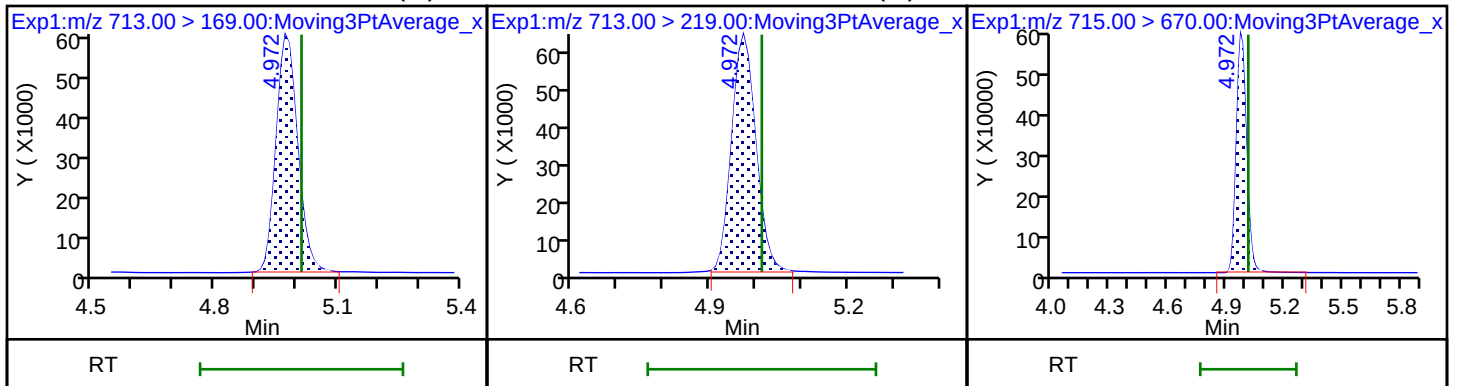
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

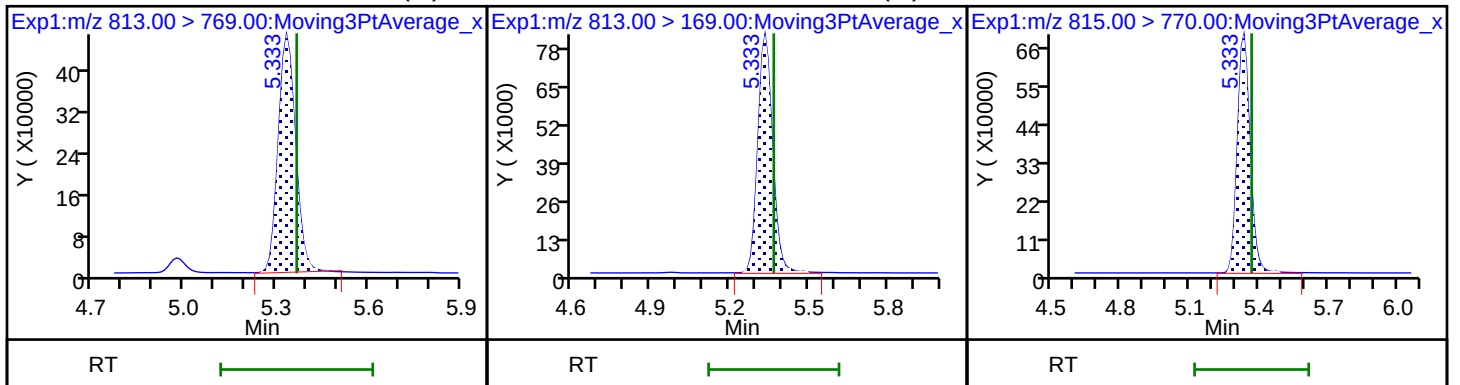
D 43 13C2 PFTeDA



45 Perfluorohexadecanoic acid (M)

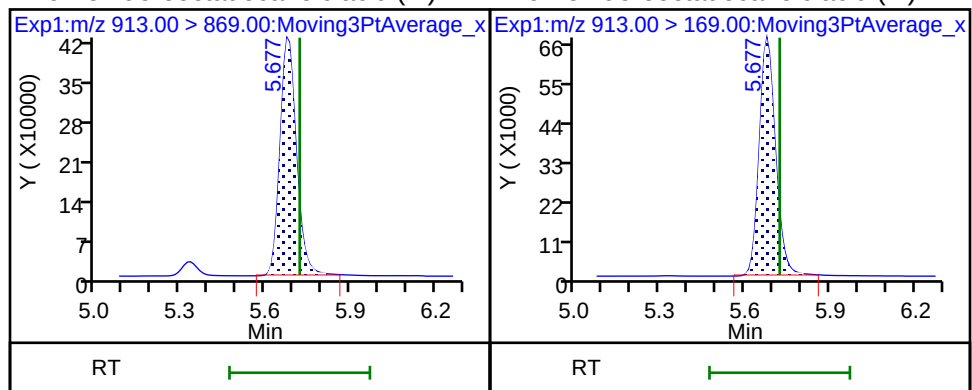
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

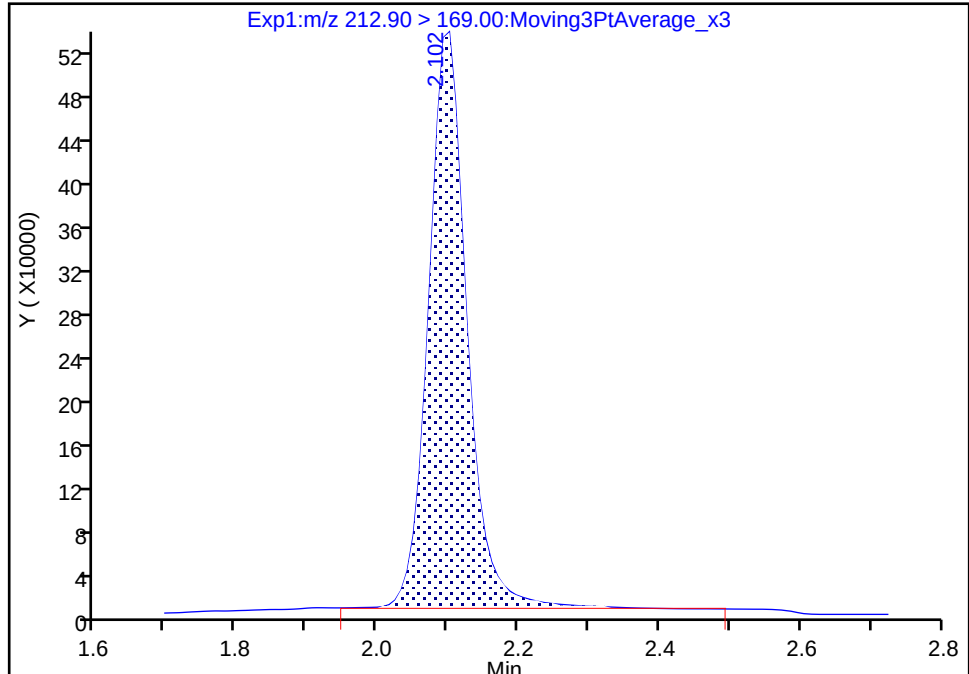
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A20.d
Injection Date: 30-Nov-2022 11:51:54 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

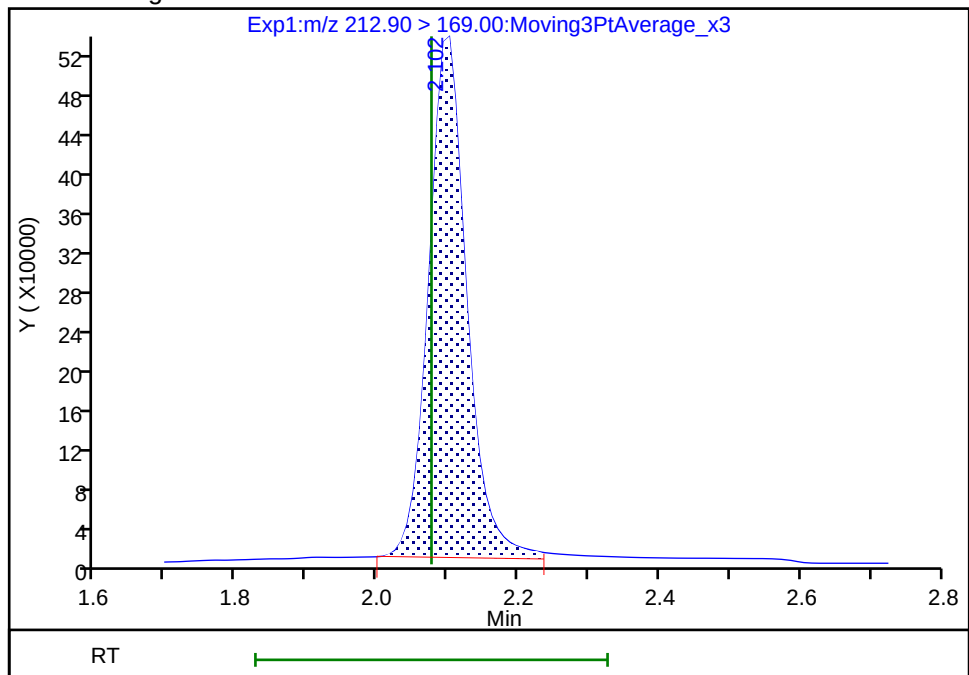
RT: 2.10
Area: 2042605
Amount: 0.969258
Amount Units: ng/ml

Processing Integration Results



RT: 2.10
Area: 1997297
Amount: 0.947759
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:43:52

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A20.d

Injection Date: 30-Nov-2022 11:51:54

Instrument ID: LC812

Lims ID: CCV L4

Client ID:

Operator ID: lc812tech

ALS Bottle#: 17

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)

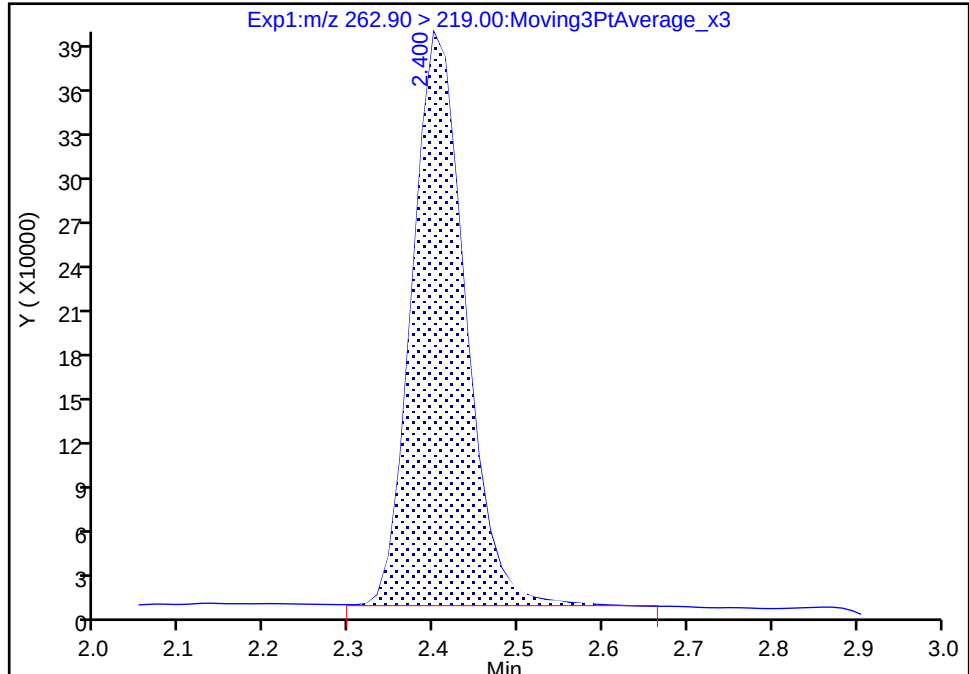
Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

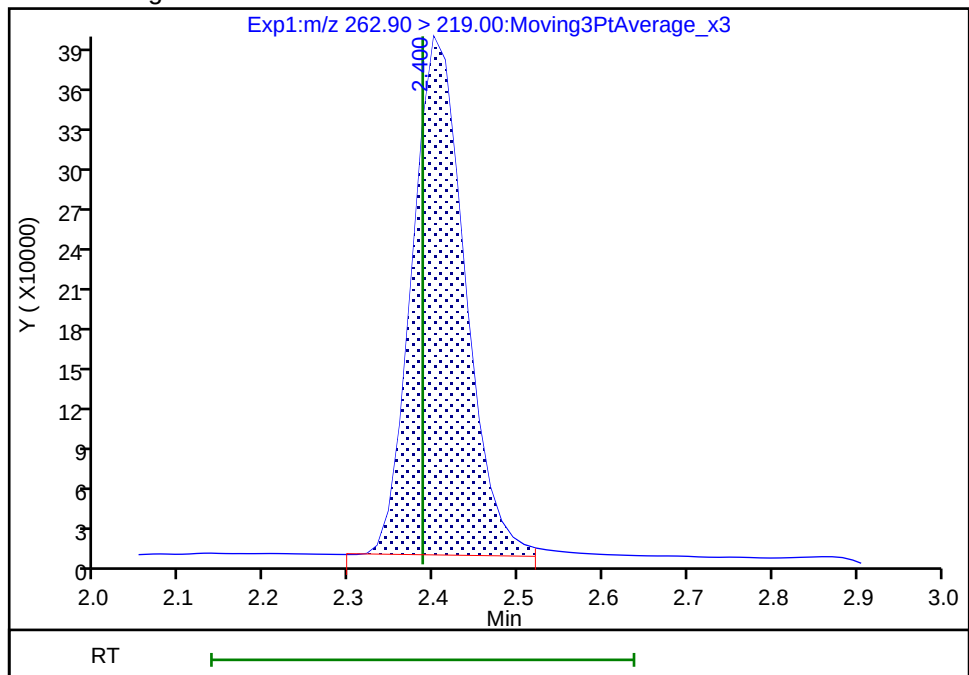
RT: 2.40
Area: 1663256
Amount: 0.924760
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 1649190
Amount: 0.916940
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:43:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

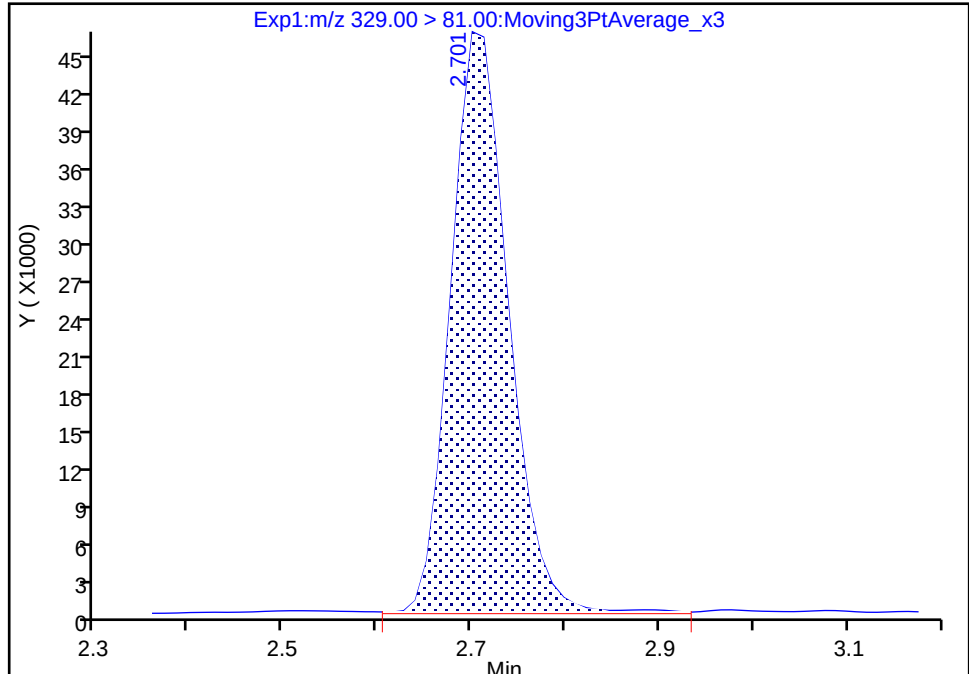
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A20.d
Injection Date: 30-Nov-2022 11:51:54 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

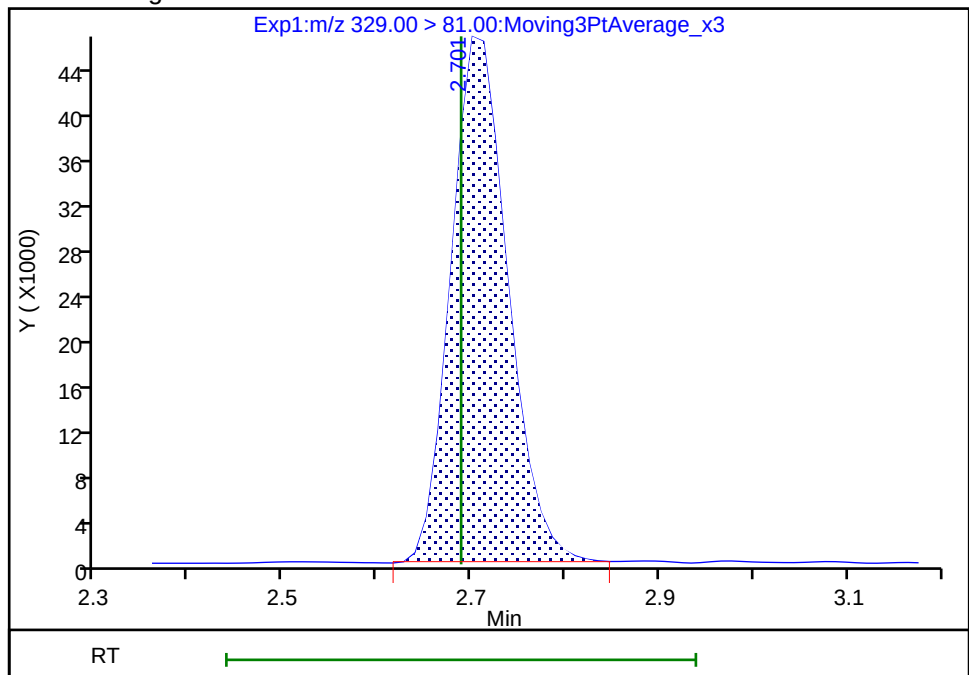
RT: 2.70
Area: 197808
Amount: 1.270880
Amount Units: ng/ml

Processing Integration Results



RT: 2.70
Area: 193135
Amount: 1.240857
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:43:24

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

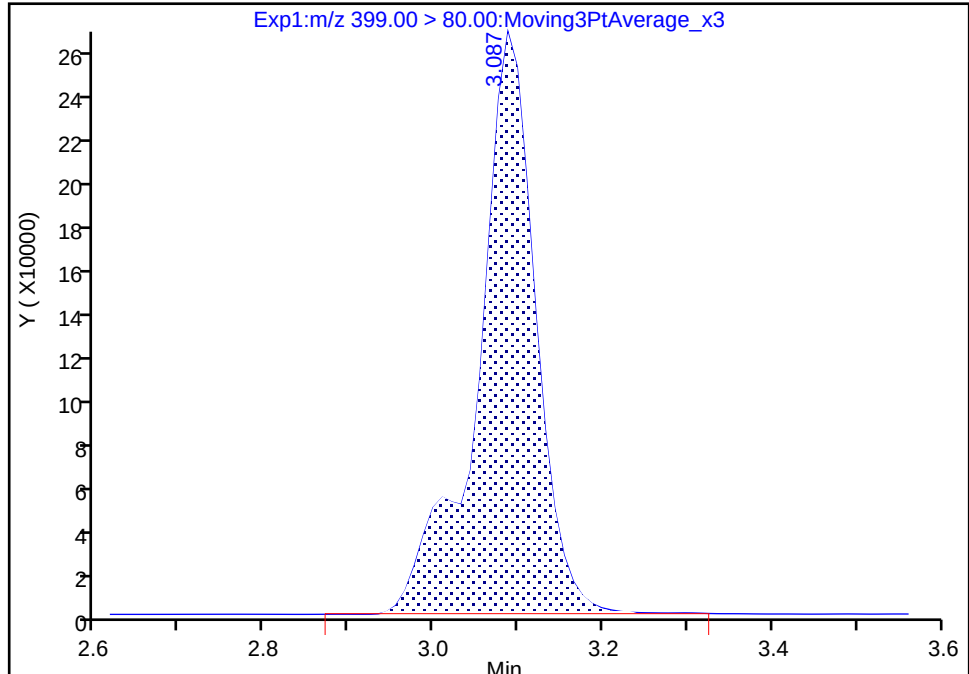
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A20.d
Injection Date: 30-Nov-2022 11:51:54 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

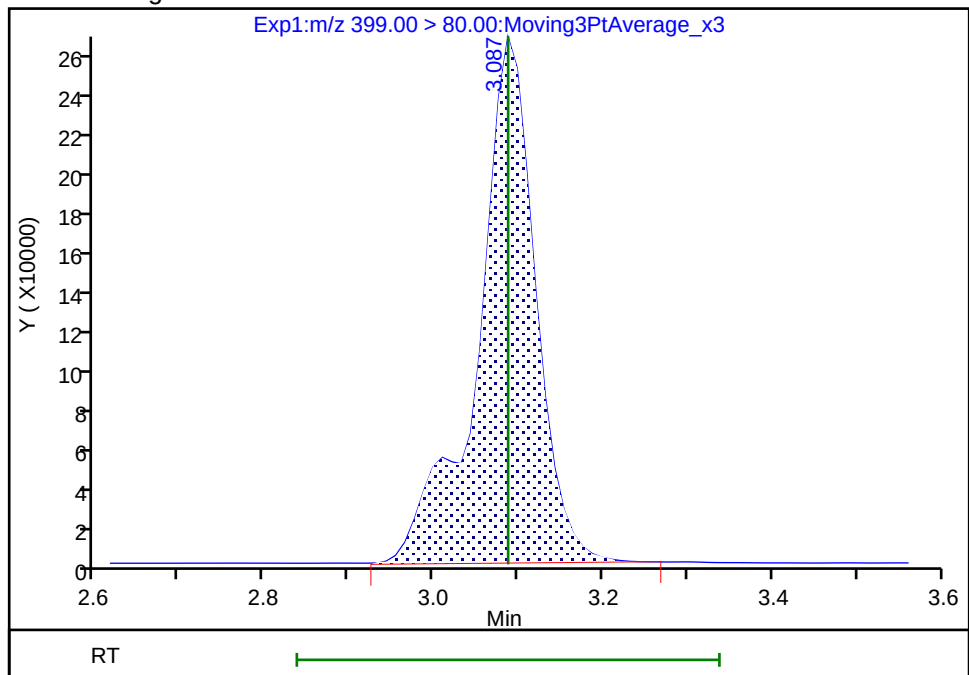
RT: 3.09
Area: 1252212
Amount: 0.833034
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 1248309
Amount: 0.830438
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:44:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

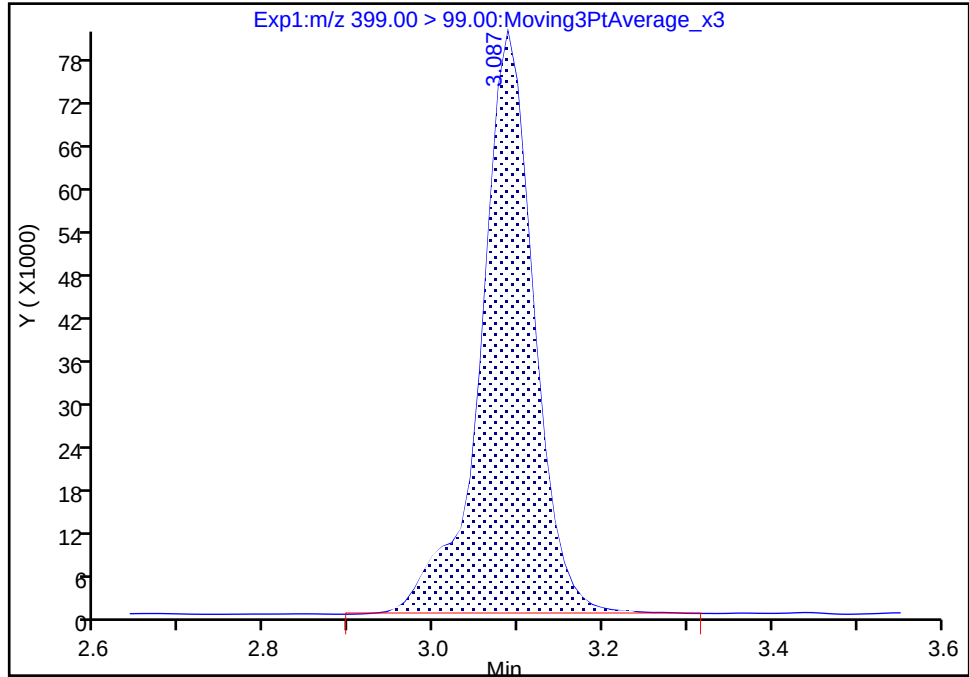
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A20.d
Injection Date: 30-Nov-2022 11:51:54 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

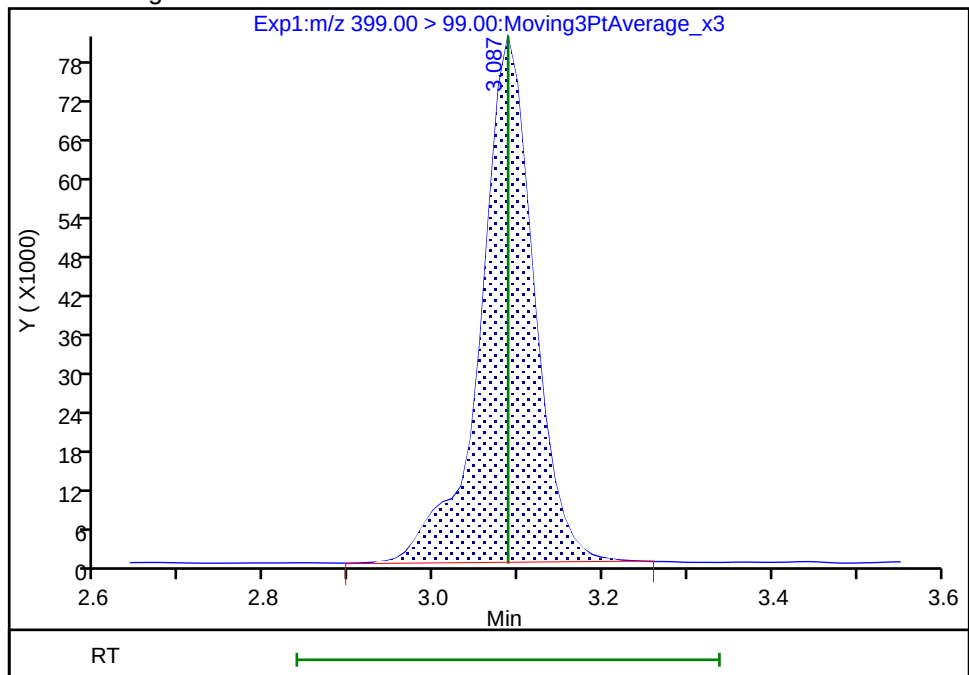
RT: 3.09
Area: 360044
Amount: 0.833034
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 358162
Amount: 0.830438
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:44:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

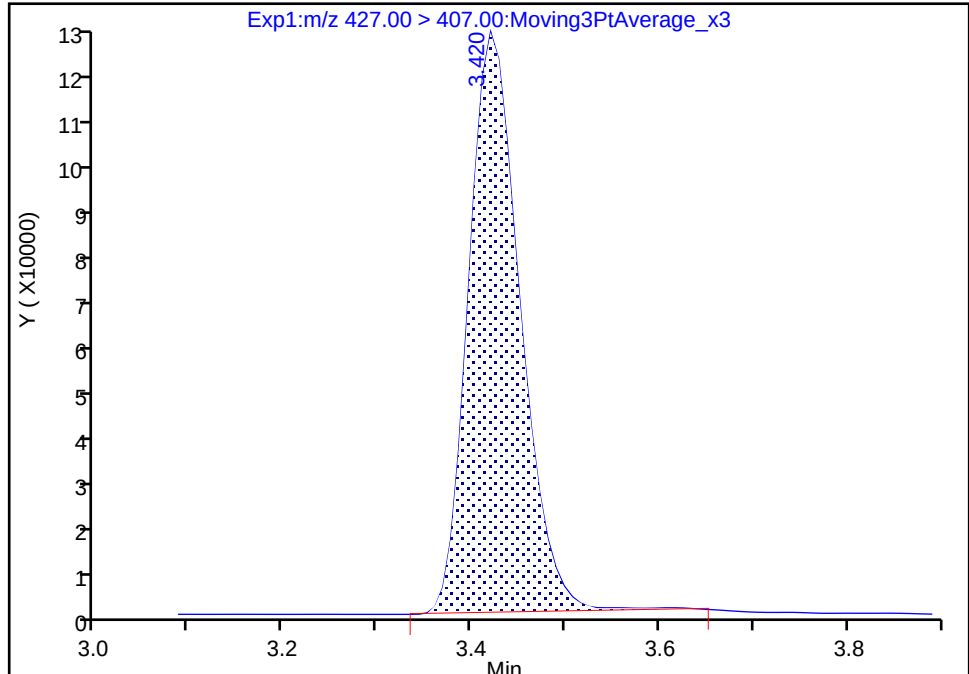
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A20.d
Injection Date: 30-Nov-2022 11:51:54 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

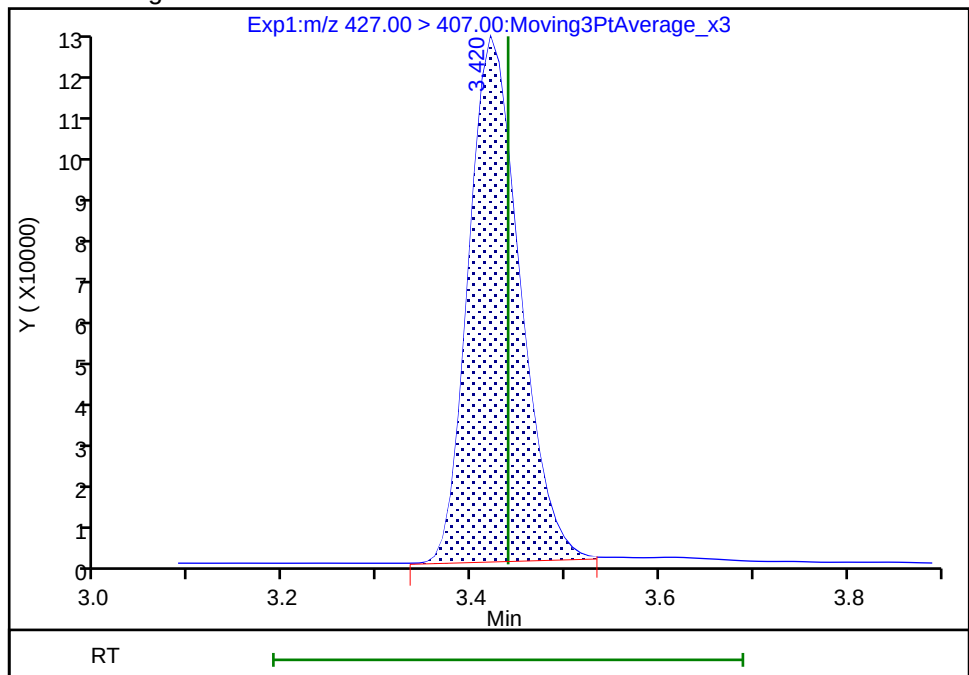
RT: 3.42
Area: 473929
Amount: 0.958087
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 468181
Amount: 0.946323
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:44:45

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A20.d

Injection Date: 30-Nov-2022 11:51:54

Instrument ID: LC812

Lims ID: CCV L4

Client ID:

Operator ID: lc812tech

ALS Bottle#: 17

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)

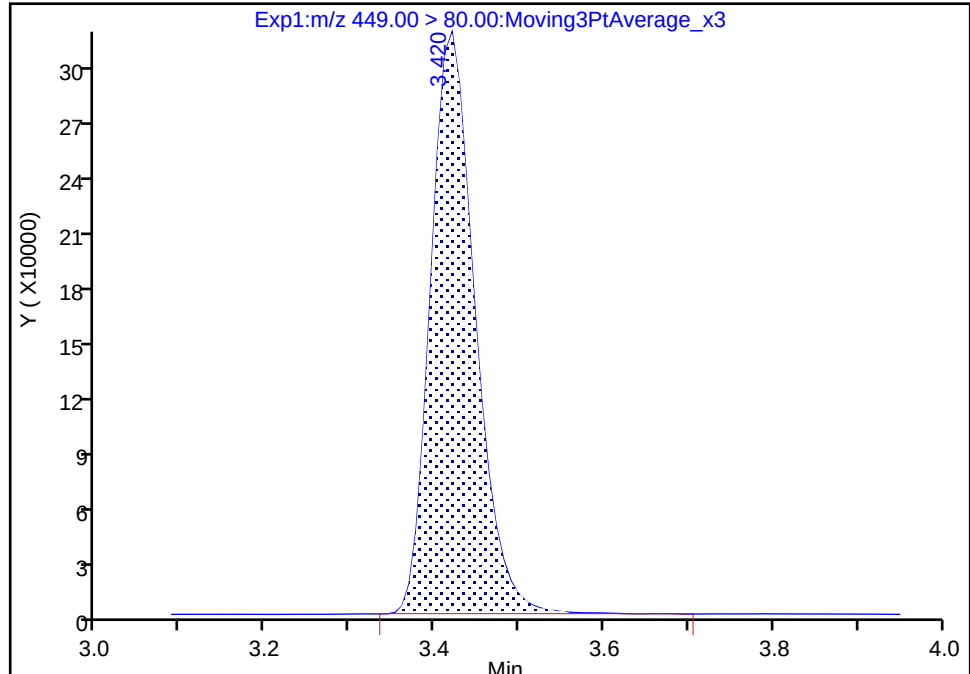
Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

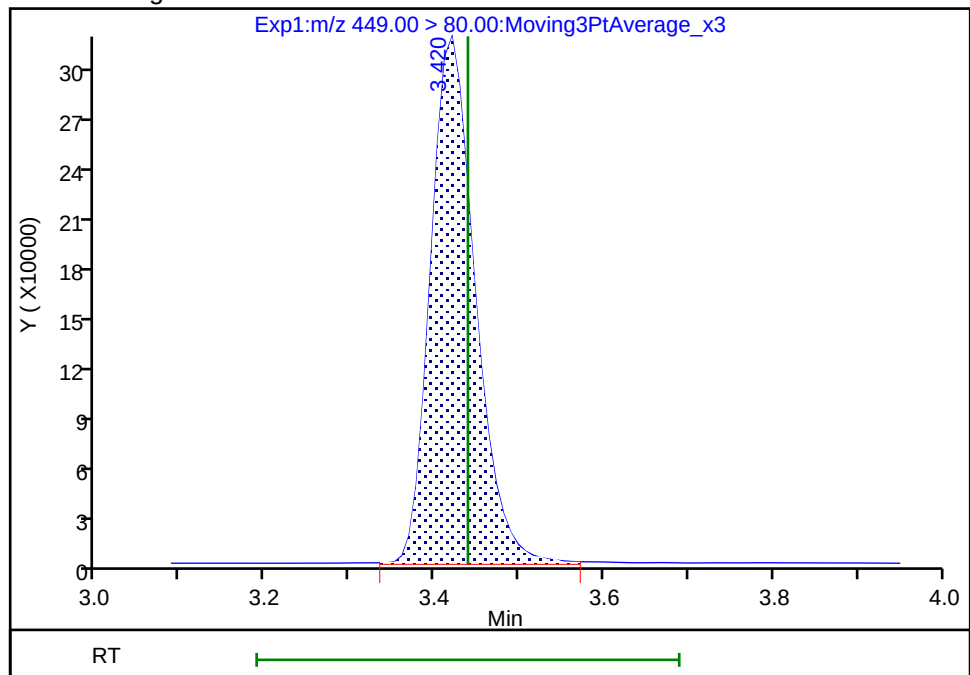
RT: 3.42
Area: 1142882
Amount: 0.938086
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 1140353
Amount: 0.936011
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:44:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

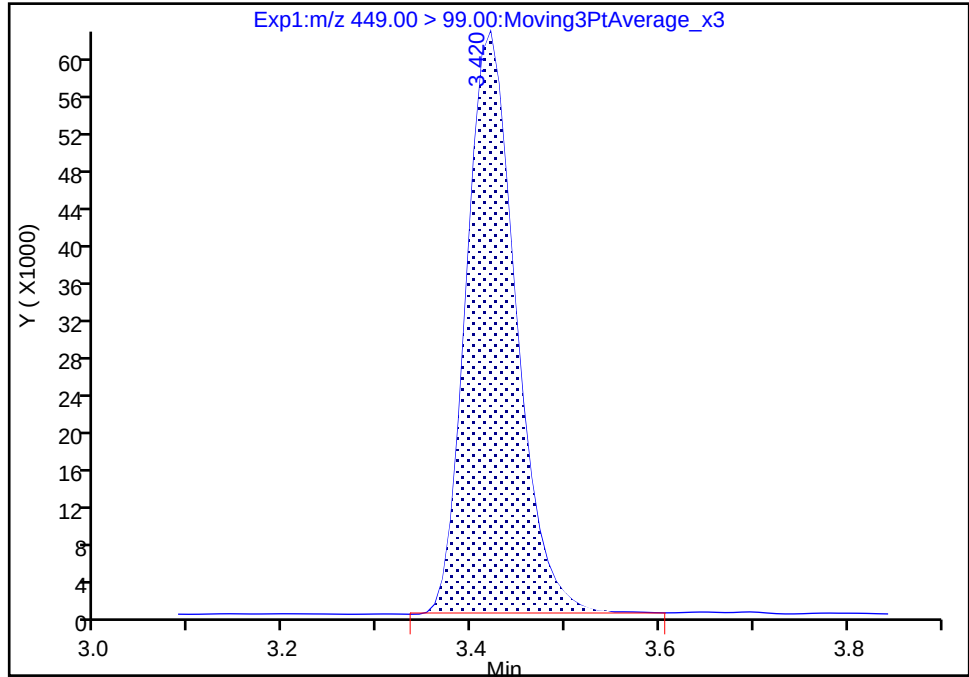
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A20.d
Injection Date: 30-Nov-2022 11:51:54 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

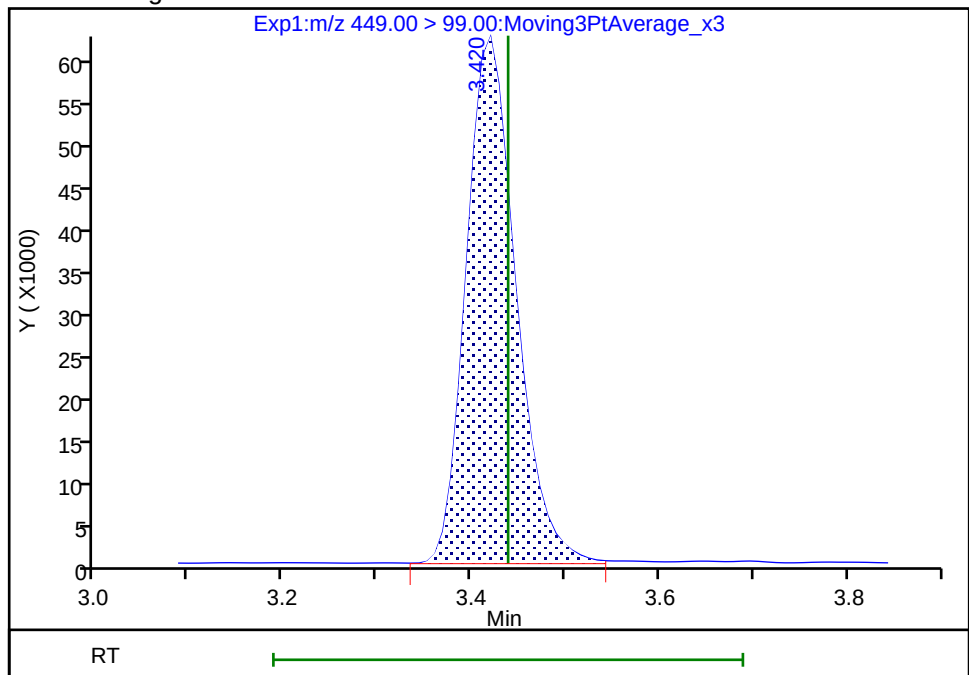
RT: 3.42
Area: 231372
Amount: 0.938086
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 230727
Amount: 0.936011
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:45:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

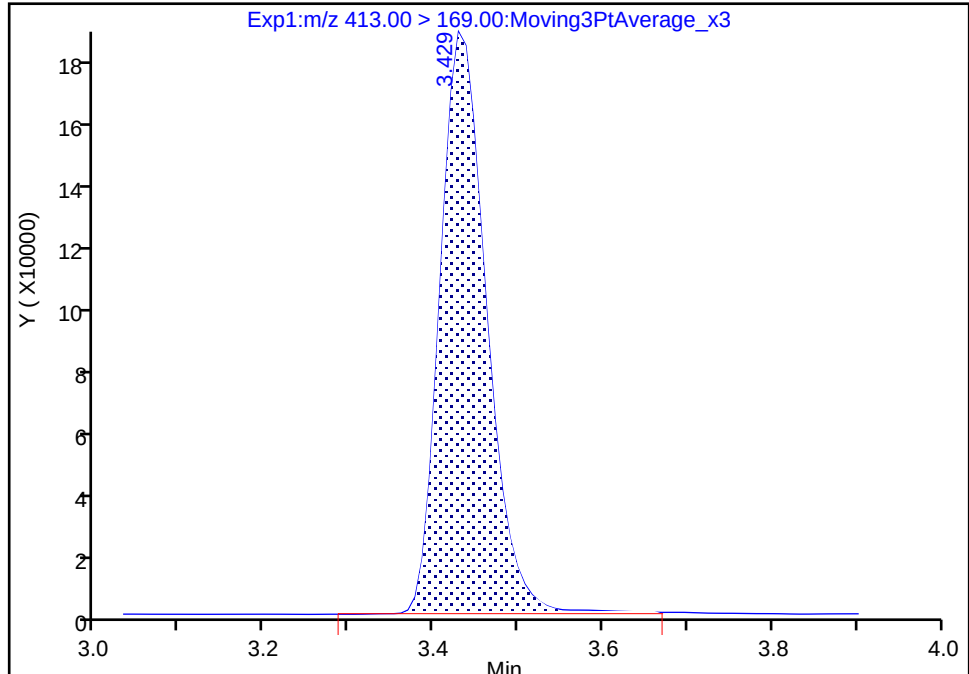
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A20.d
Injection Date: 30-Nov-2022 11:51:54 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

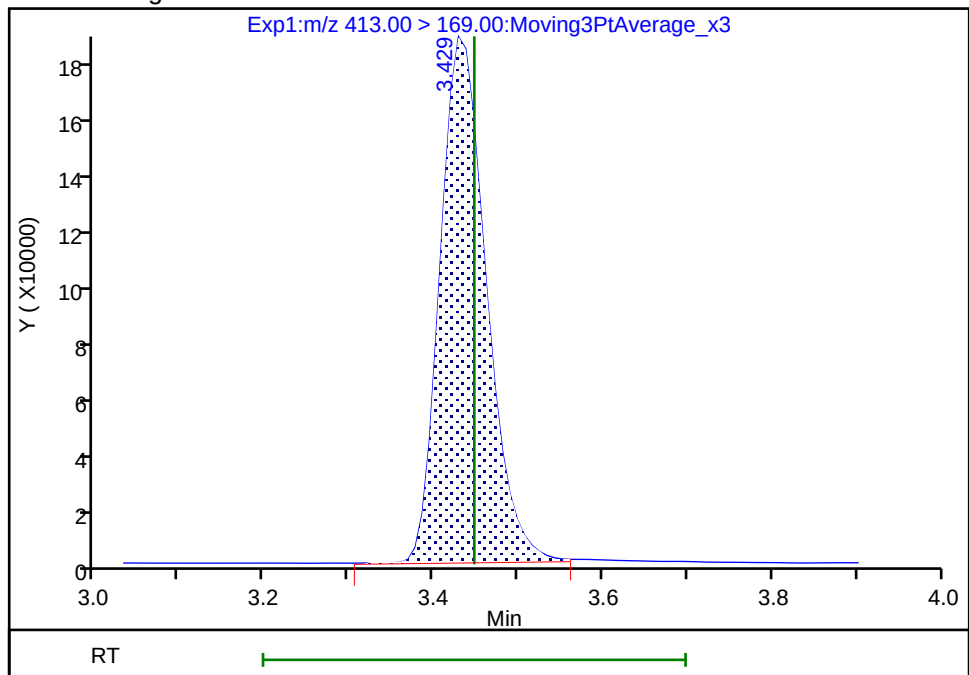
RT: 3.43
Area: 691478
Amount: 0.931682
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 688332
Amount: 0.931682
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:45:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

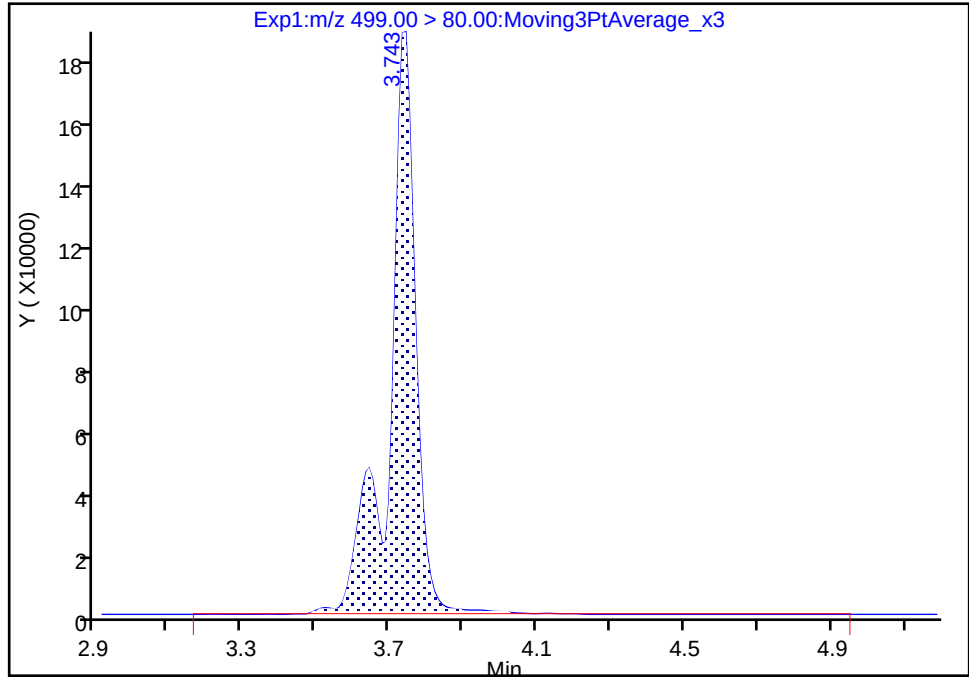
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A20.d
Injection Date: 30-Nov-2022 11:51:54 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

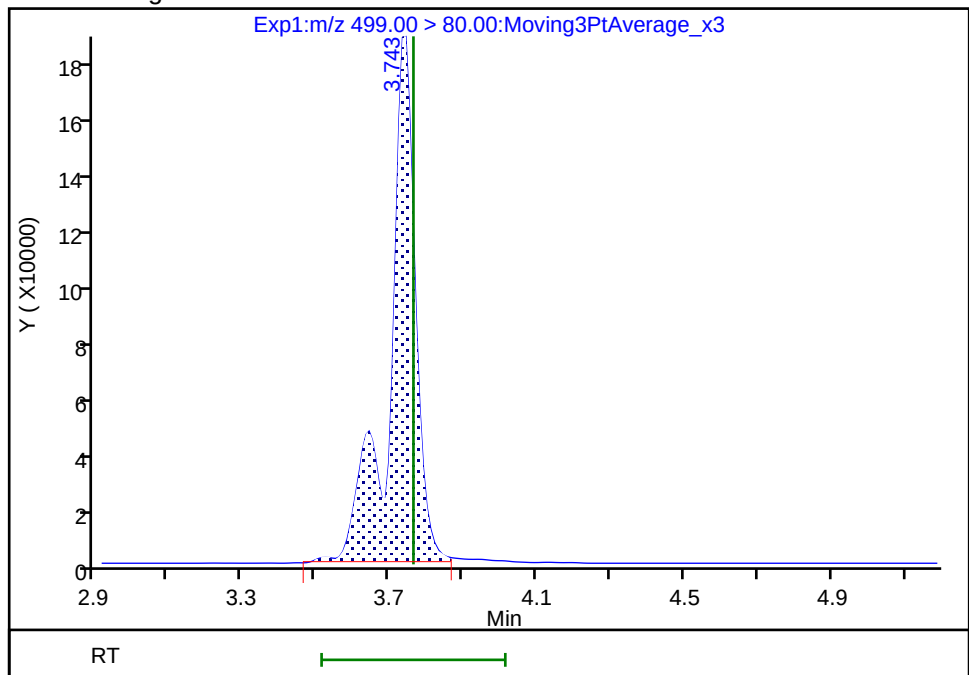
RT: 3.74
Area: 952280
Amount: 0.897701
Amount Units: ng/ml

Processing Integration Results



RT: 3.74
Area: 931279
Amount: 0.877903
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:45:21

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

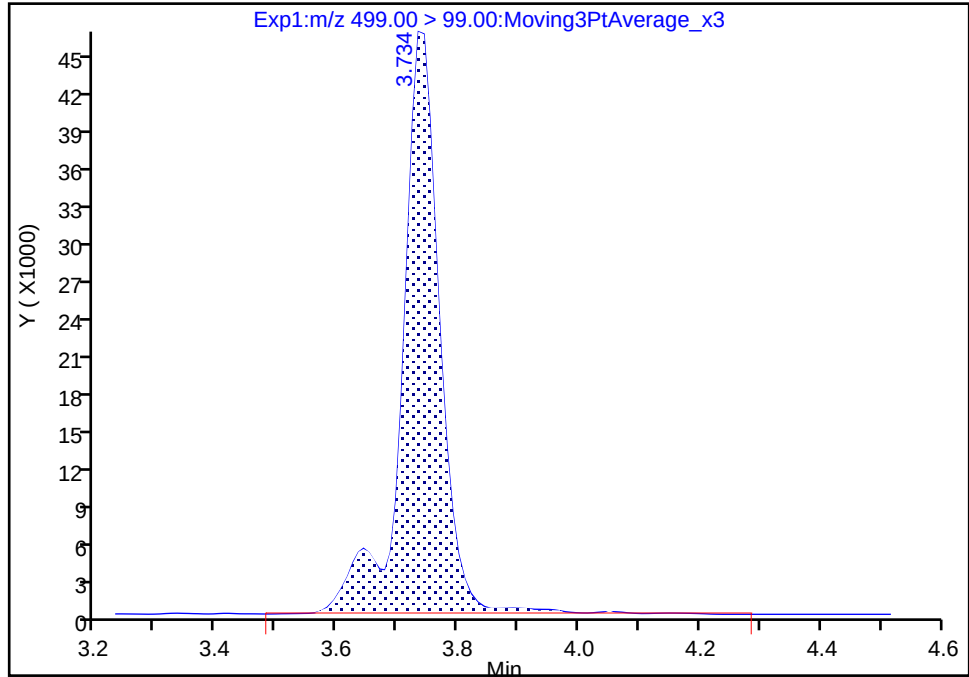
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A20.d
Injection Date: 30-Nov-2022 11:51:54 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

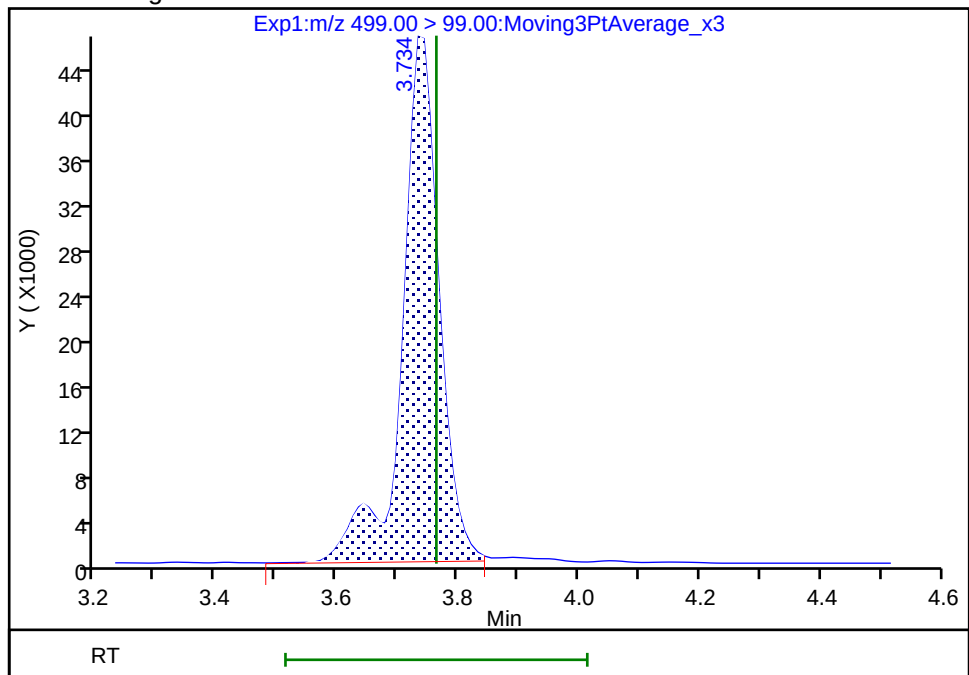
RT: 3.73
Area: 204401
Amount: 0.897701
Amount Units: ng/ml

Processing Integration Results



RT: 3.73
Area: 198168
Amount: 0.877903
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 01-Dec-2022 08:06:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

Eurofins Burlington

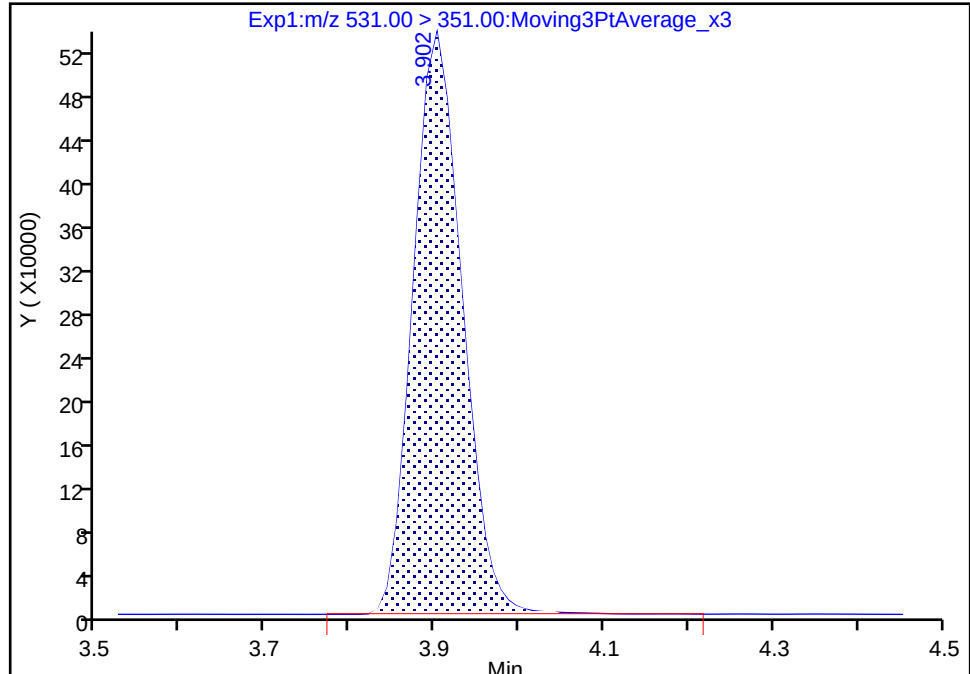
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A20.d
Injection Date: 30-Nov-2022 11:51:54 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

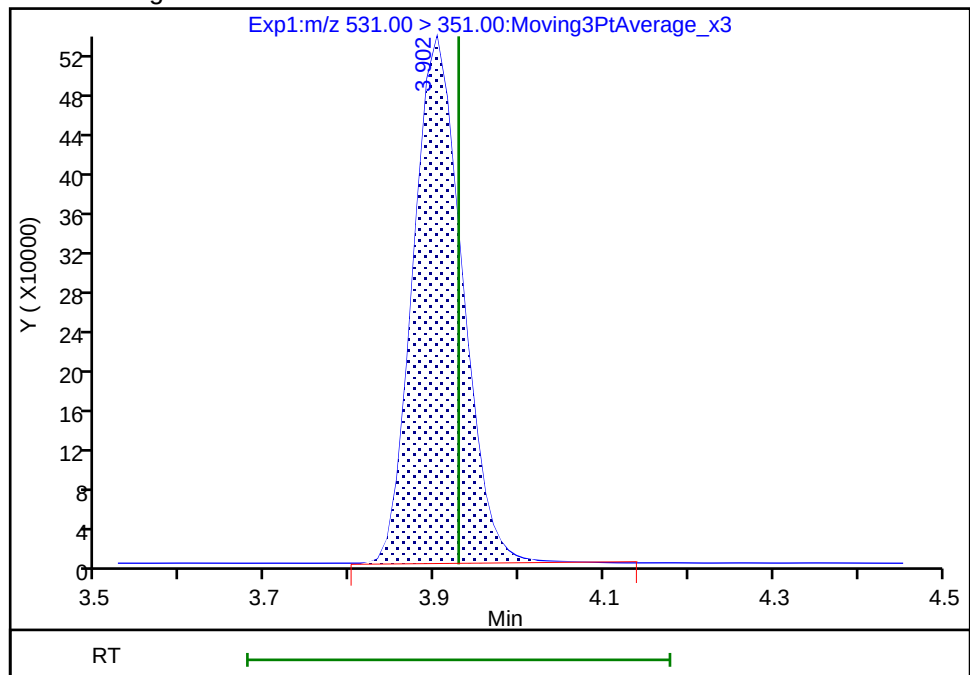
RT: 3.90
Area: 2177335
Amount: 0.894315
Amount Units: ng/ml

Processing Integration Results



RT: 3.90
Area: 2173952
Amount: 0.892925
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:45:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

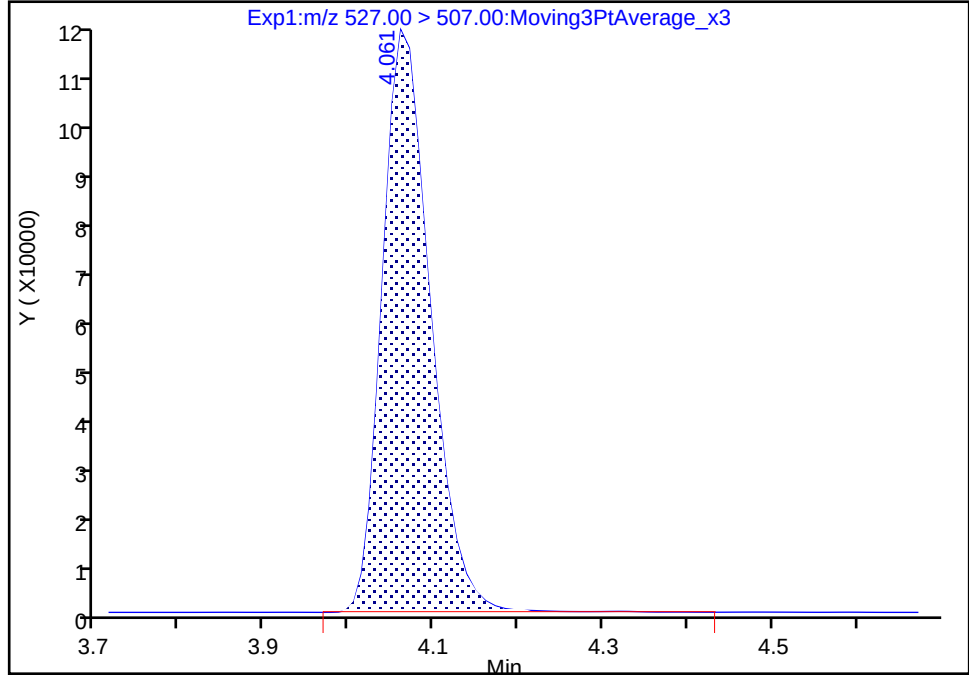
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A20.d
Injection Date: 30-Nov-2022 11:51:54 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

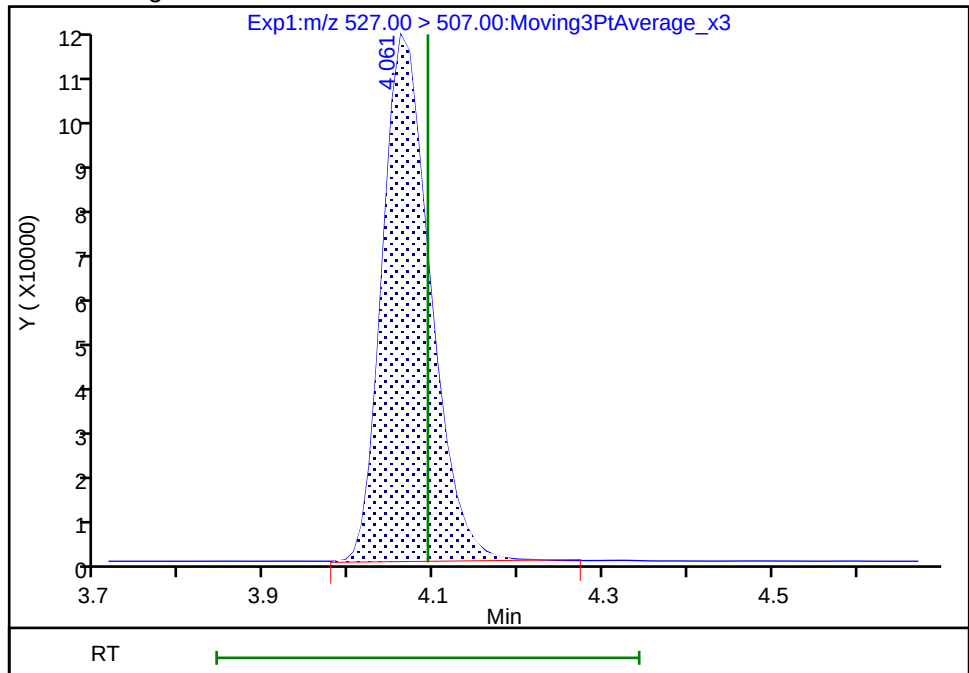
RT: 4.06
Area: 444394
Amount: 0.961053
Amount Units: ng/ml

Processing Integration Results



RT: 4.06
Area: 442426
Amount: 0.956797
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:45:45

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A20.d

Injection Date: 30-Nov-2022 11:51:54

Instrument ID: LC812

Lims ID: CCV L4

Client ID:

Operator ID: lc812tech

ALS Bottle#: 17

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)

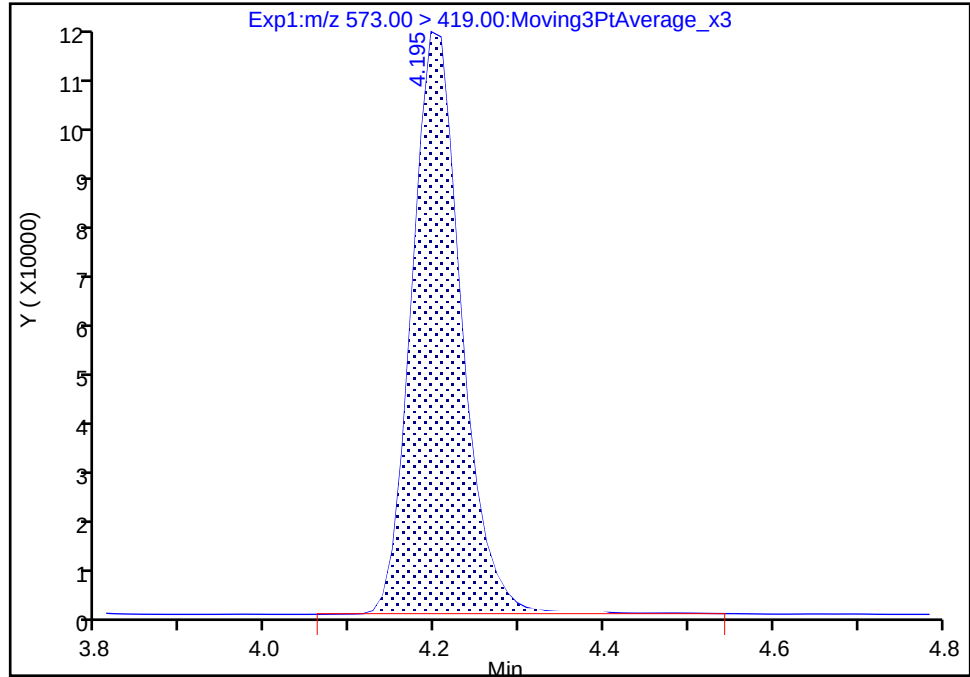
Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

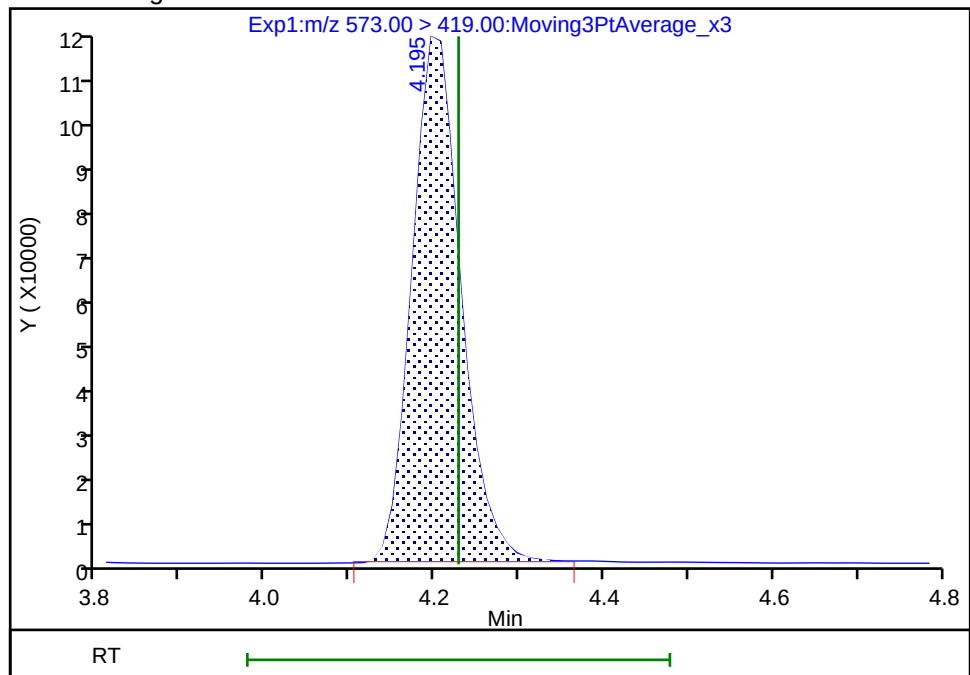
RT: 4.20
Area: 486810
Amount: 1.229137
Amount Units: ng/ml

Processing Integration Results



RT: 4.20
Area: 481265
Amount: 1.215136
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:43:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

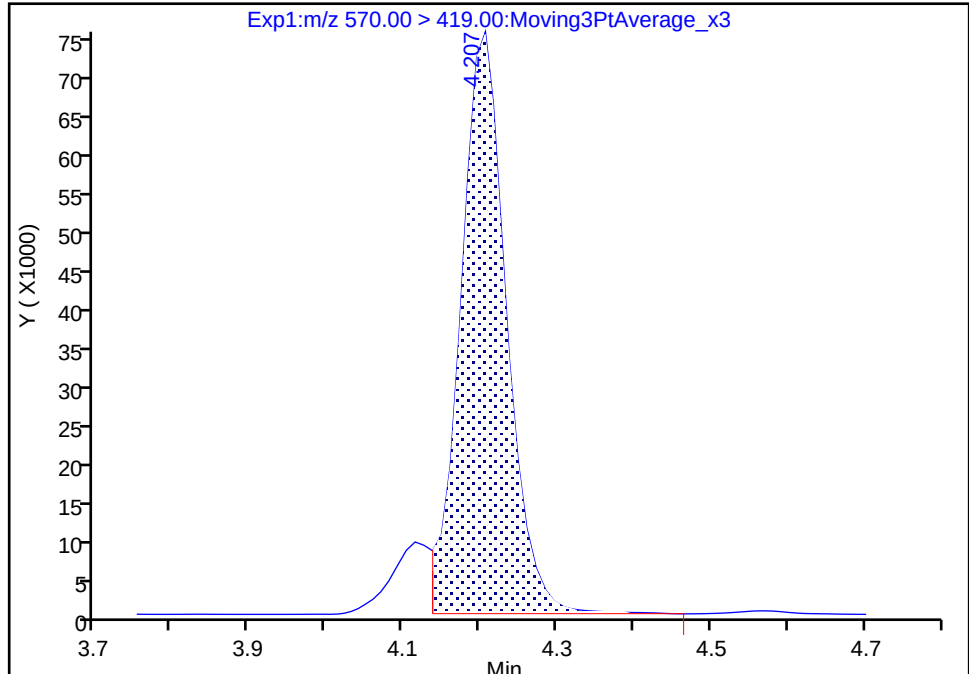
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A20.d
Injection Date: 30-Nov-2022 11:51:54 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

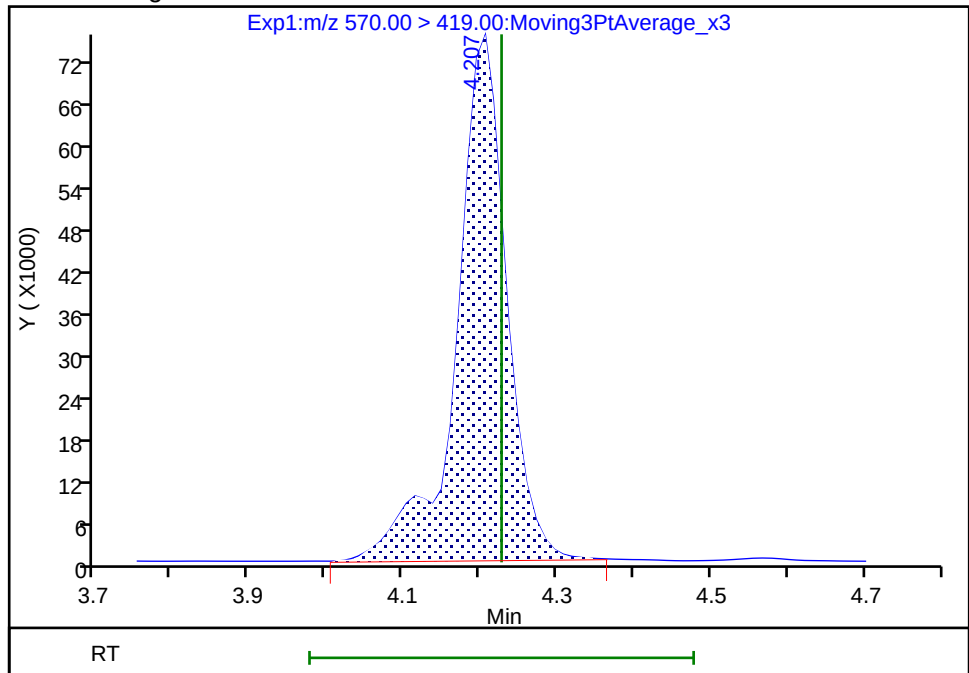
RT: 4.21
Area: 314273
Amount: 0.937253
Amount Units: ng/ml

Processing Integration Results



RT: 4.21
Area: 342315
Amount: 1.021919
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 01-Dec-2022 08:06:54
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A20.d

Injection Date: 30-Nov-2022 11:51:54

Instrument ID: LC812

Lims ID: CCV L4

Client ID:

Operator ID: lc812tech

ALS Bottle#: 17

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)

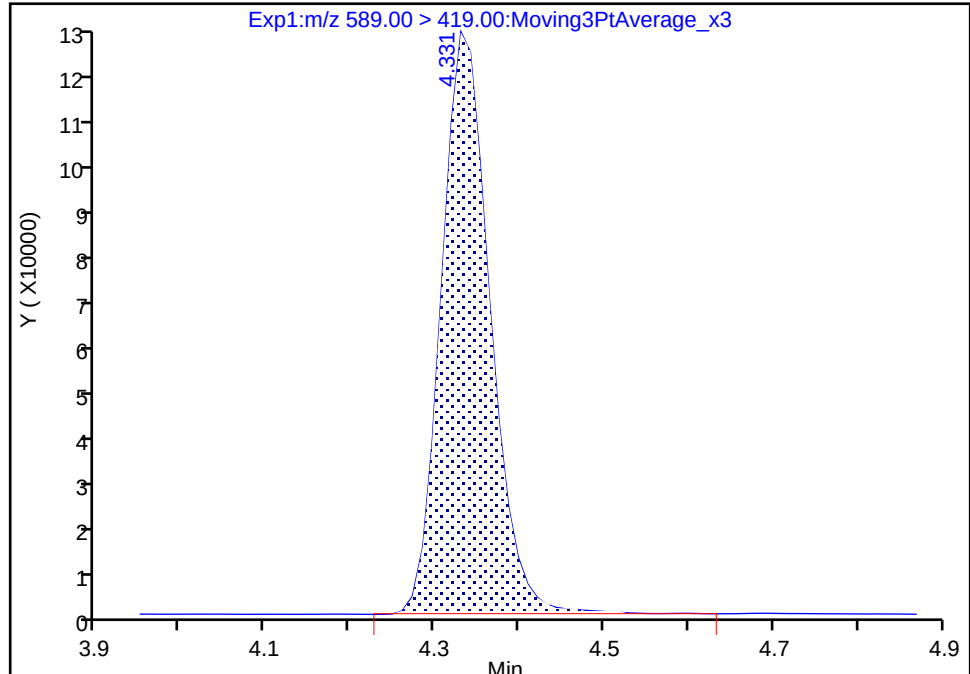
Detector: EXP1

D 32 d5-NEtFOSAA, CAS: STL02117

Signal: 1

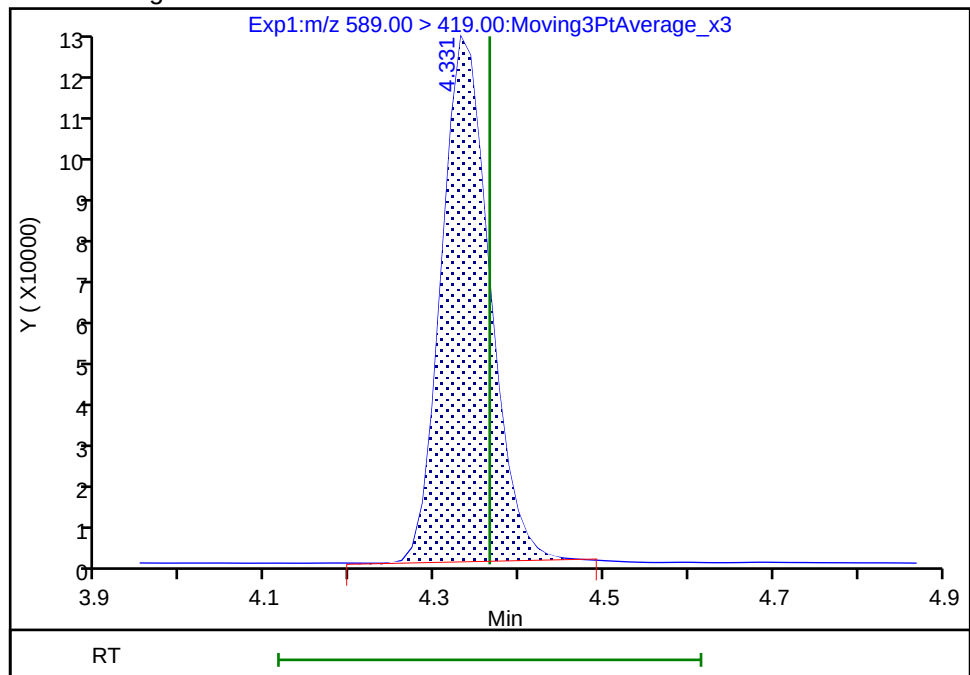
RT: 4.33
Area: 513906
Amount: 1.317774
Amount Units: ng/ml

Processing Integration Results



RT: 4.33
Area: 506105
Amount: 1.297770
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 01-Dec-2022 08:07:08

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

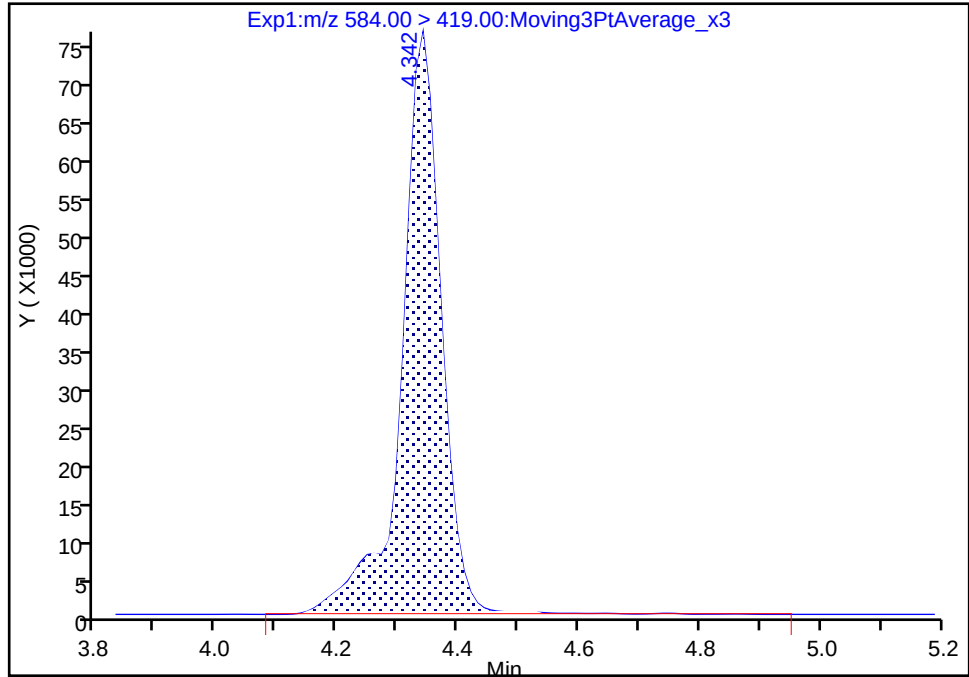
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A20.d
Injection Date: 30-Nov-2022 11:51:54 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

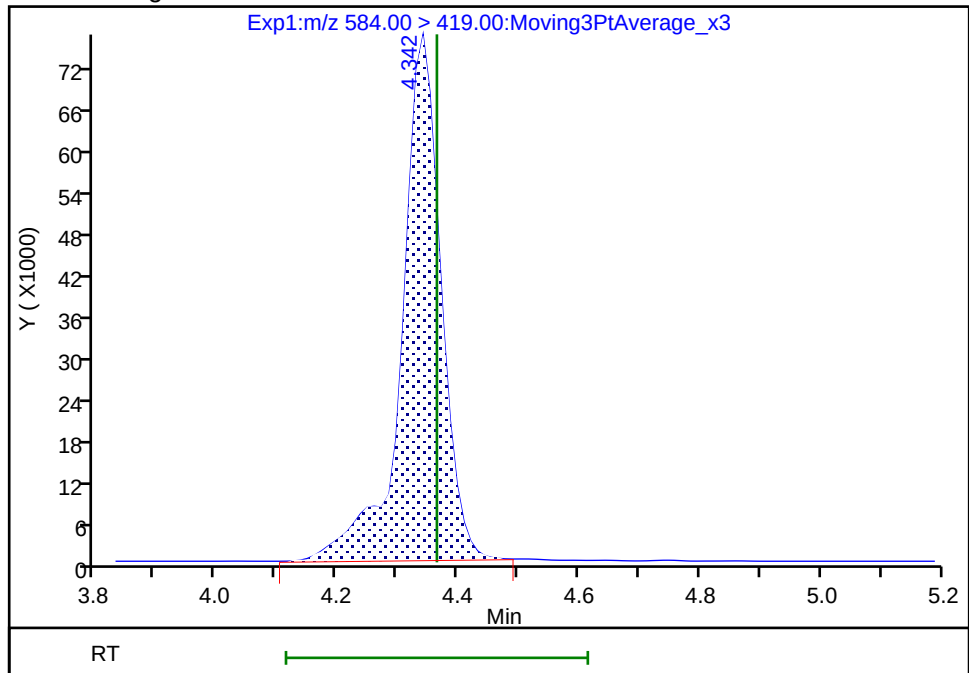
RT: 4.34
Area: 353559
Amount: 0.960602
Amount Units: ng/ml

Processing Integration Results



RT: 4.34
Area: 346948
Amount: 0.957170
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 01-Dec-2022 08:07:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A20.d

Injection Date: 30-Nov-2022 11:51:54

Instrument ID: LC812

Lims ID: CCV L4

Client ID:

Operator ID: lc812tech

ALS Bottle#: 17

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)

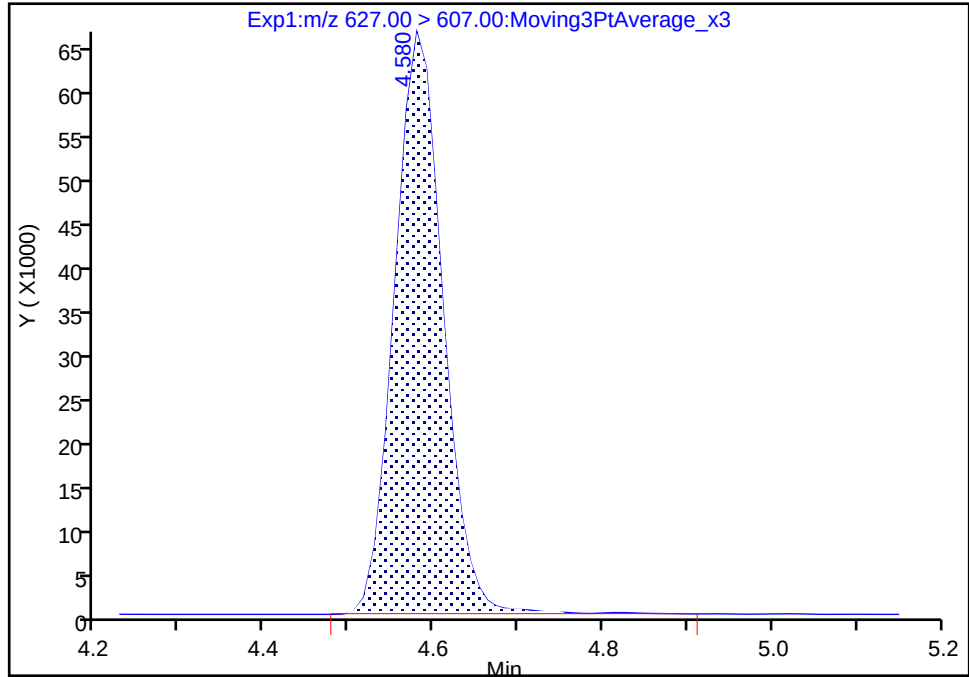
Detector: EXP1

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

Signal: 1

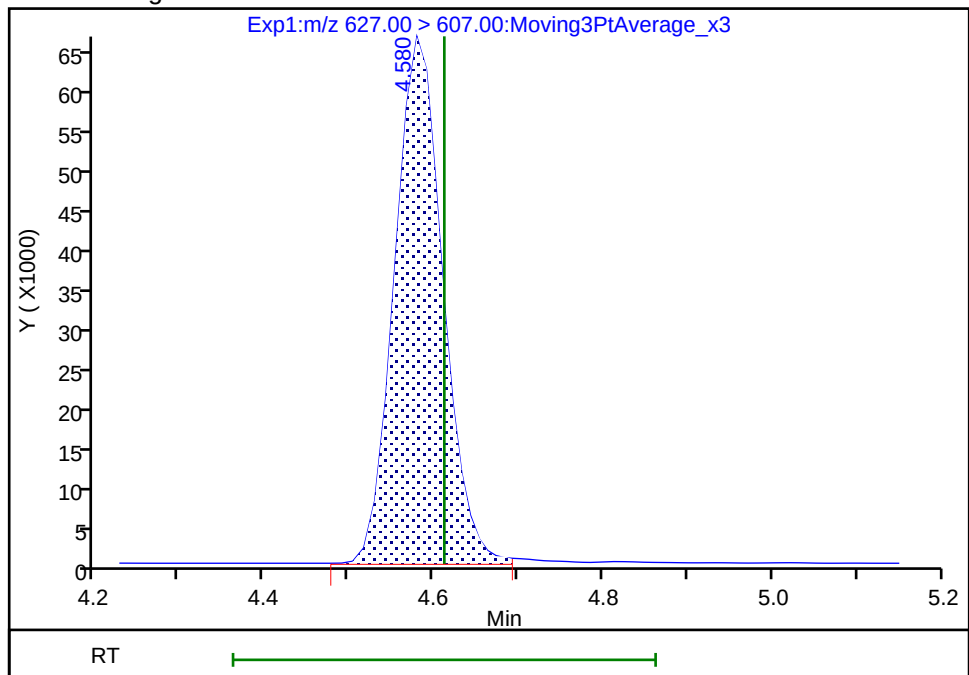
RT: 4.58
Area: 266255
Amount: 0.958220
Amount Units: ng/ml

Processing Integration Results



RT: 4.58
Area: 264021
Amount: 0.950180
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:46:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

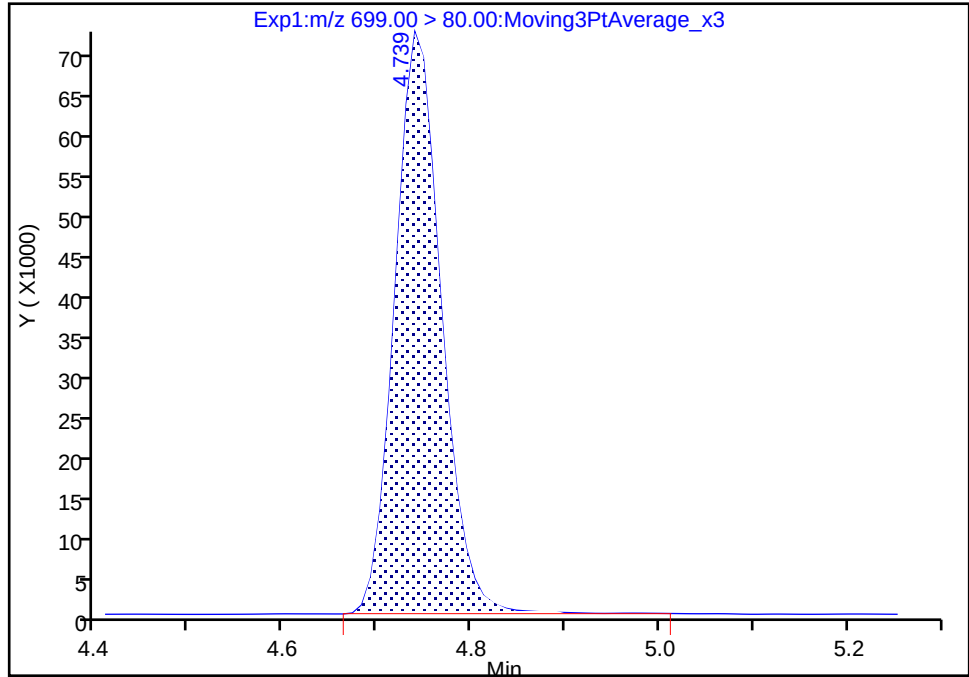
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A20.d
Injection Date: 30-Nov-2022 11:51:54 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

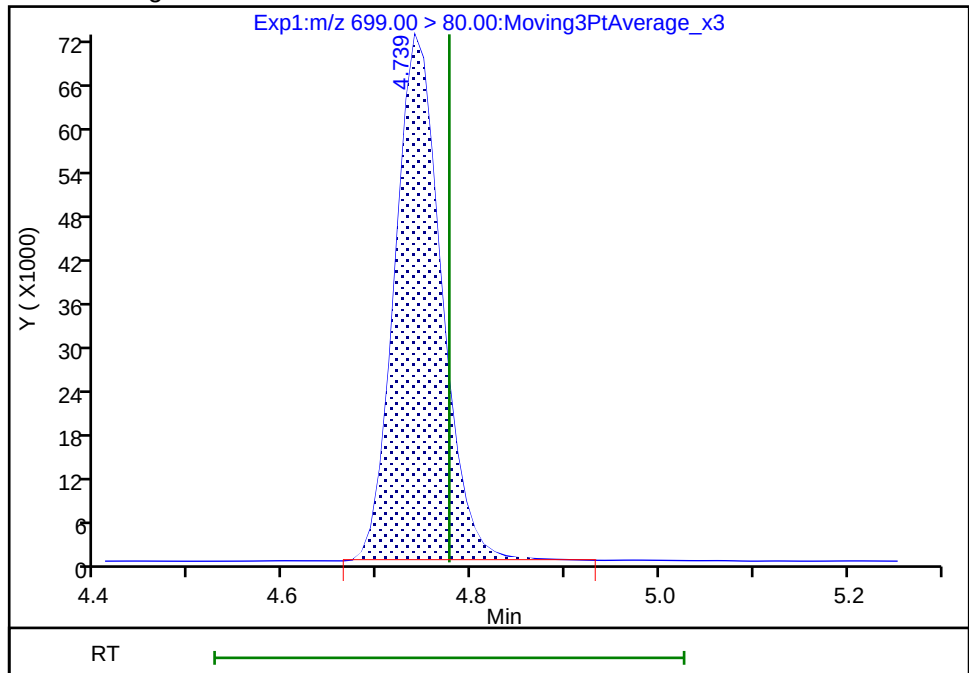
RT: 4.74
Area: 250095
Amount: 0.934998
Amount Units: ng/ml

Processing Integration Results



RT: 4.74
Area: 249693
Amount: 0.933495
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:46:18

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

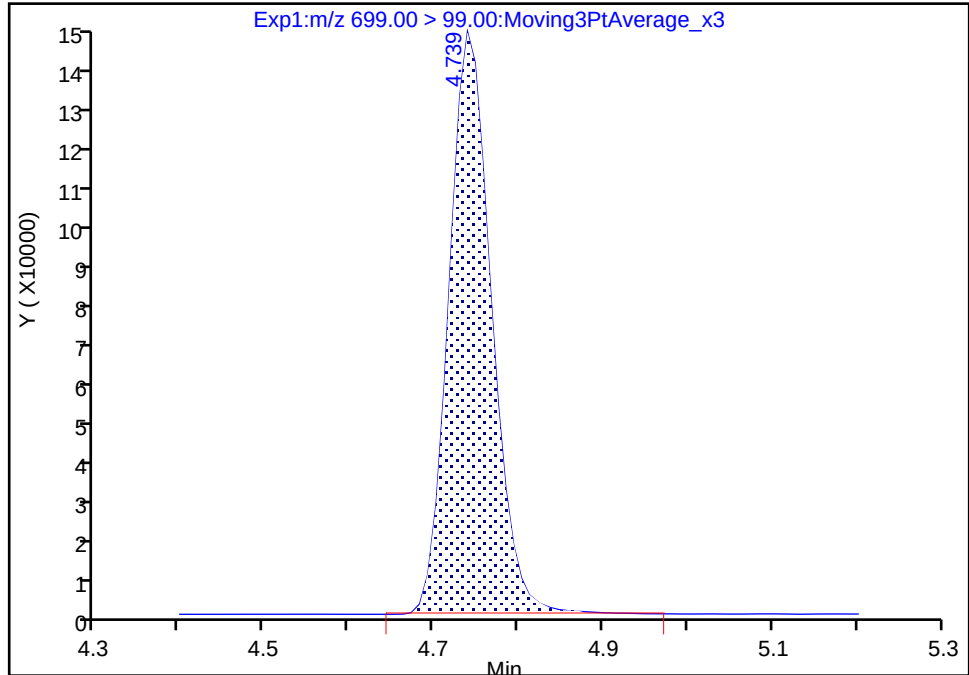
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A20.d
Injection Date: 30-Nov-2022 11:51:54 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 2

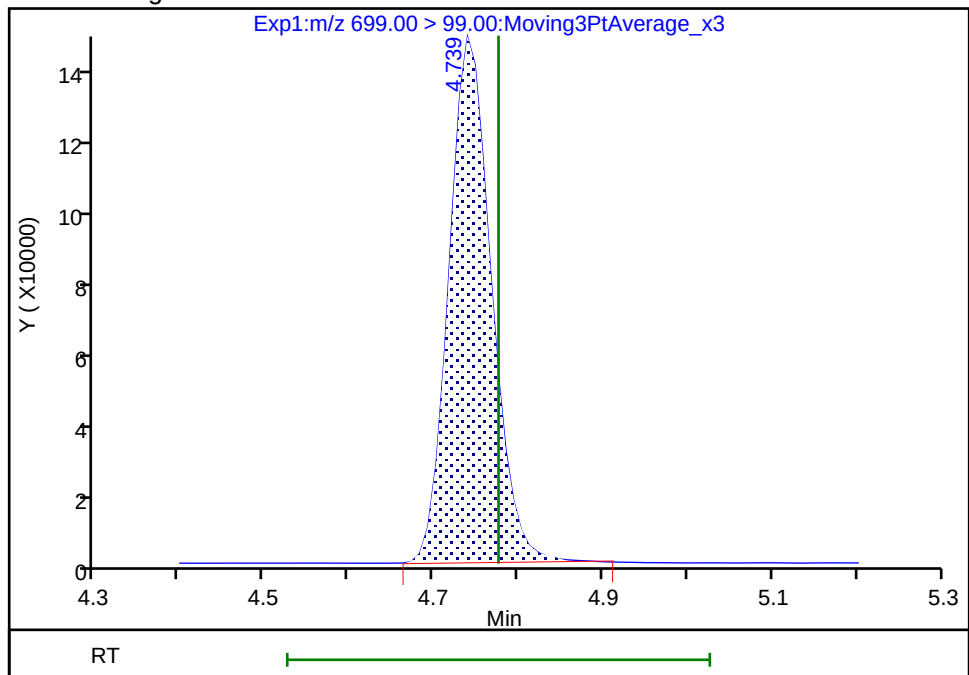
RT: 4.74
Area: 492604
Amount: 0.934998
Amount Units: ng/ml

Processing Integration Results



RT: 4.74
Area: 490383
Amount: 0.933495
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:46:22

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

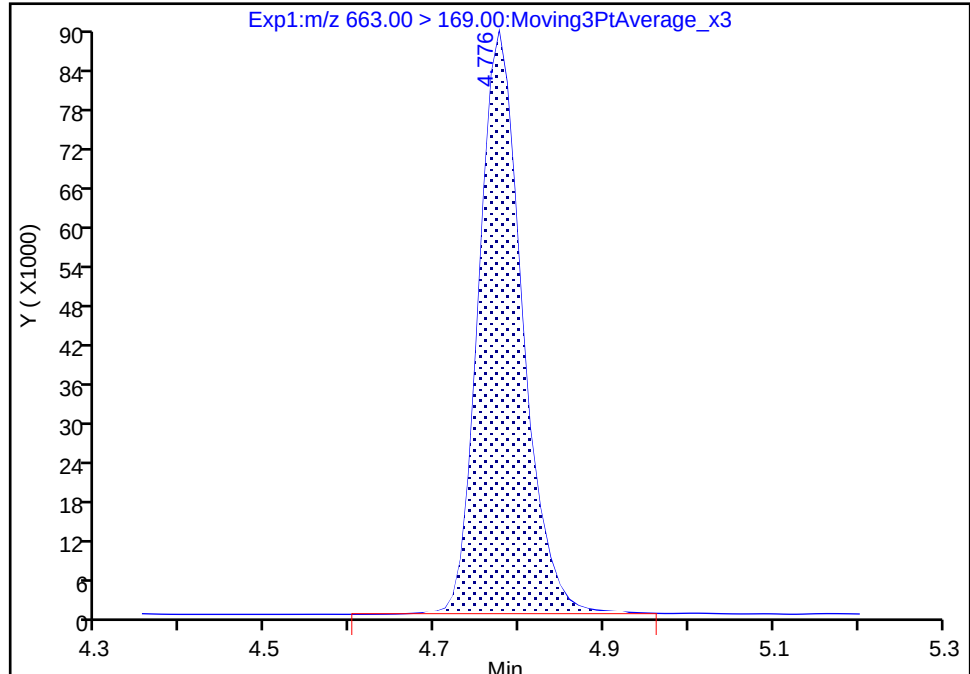
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A20.d
Injection Date: 30-Nov-2022 11:51:54 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

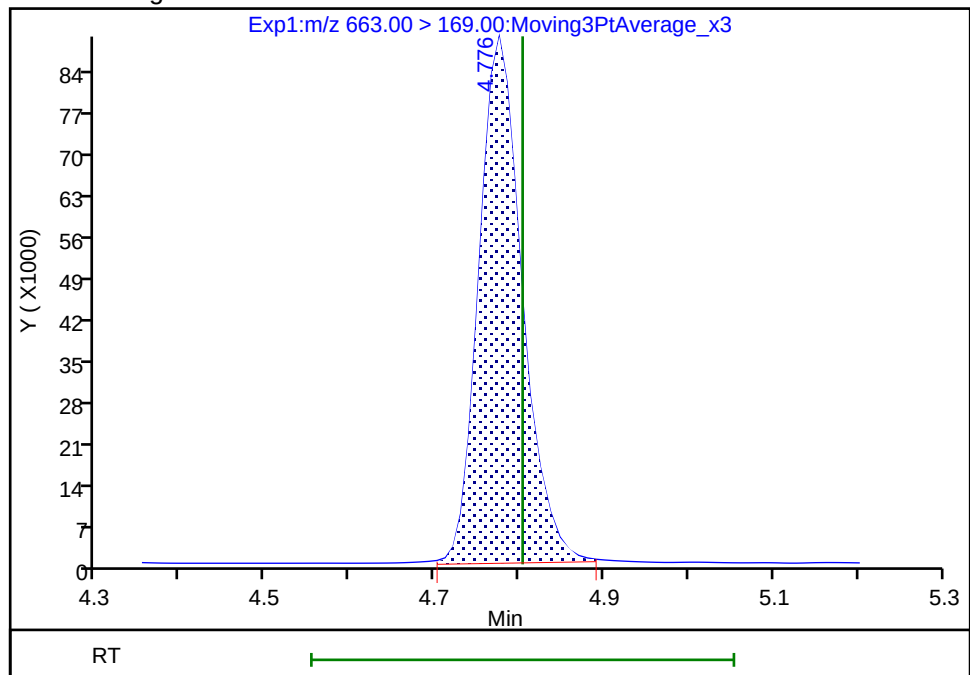
RT: 4.78
Area: 322068
Amount: 0.974202
Amount Units: ng/ml

Processing Integration Results



RT: 4.78
Area: 320218
Amount: 0.966100
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:46:38

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

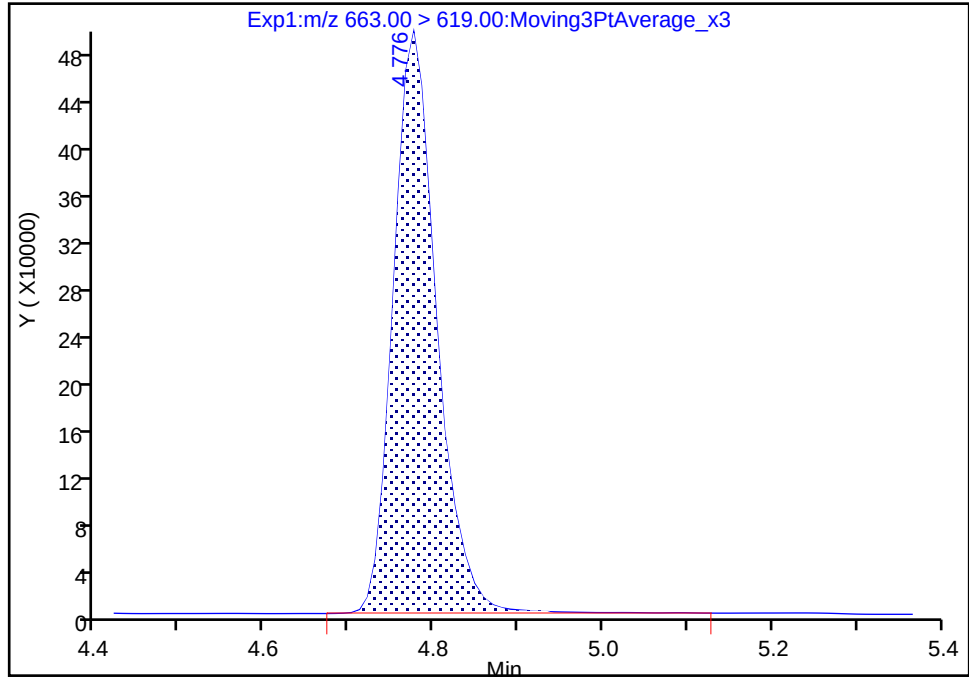
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A20.d
Injection Date: 30-Nov-2022 11:51:54 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

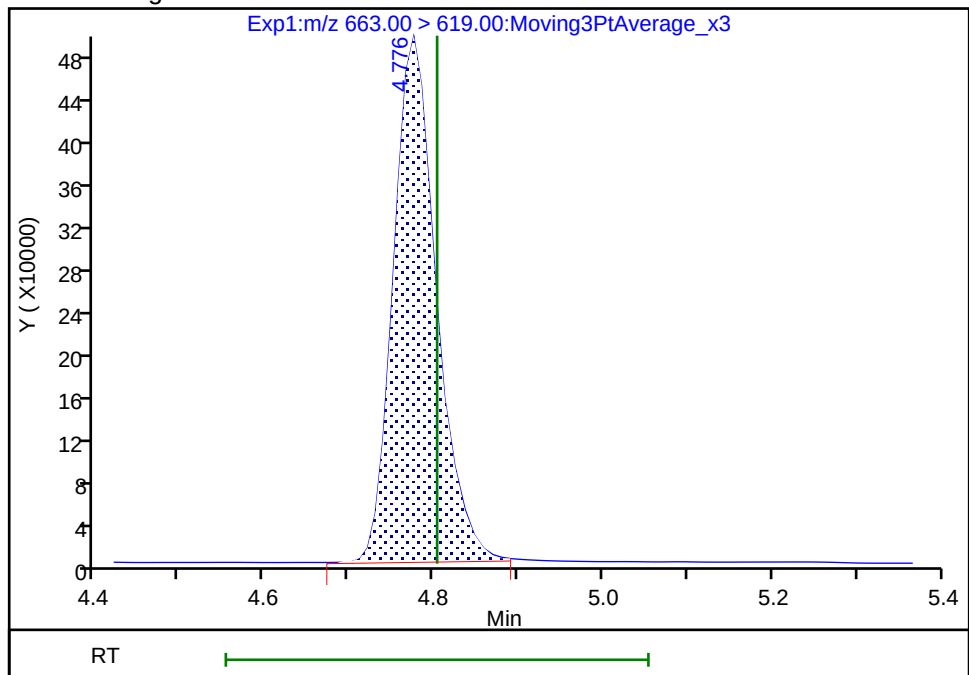
RT: 4.78
Area: 1778592
Amount: 0.974202
Amount Units: ng/ml

Processing Integration Results



RT: 4.78
Area: 1763800
Amount: 0.966100
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:46:40

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A20.d

Injection Date: 30-Nov-2022 11:51:54

Instrument ID: LC812

Lims ID: CCV L4

Client ID:

Operator ID: lc812tech

ALS Bottle#:

17

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

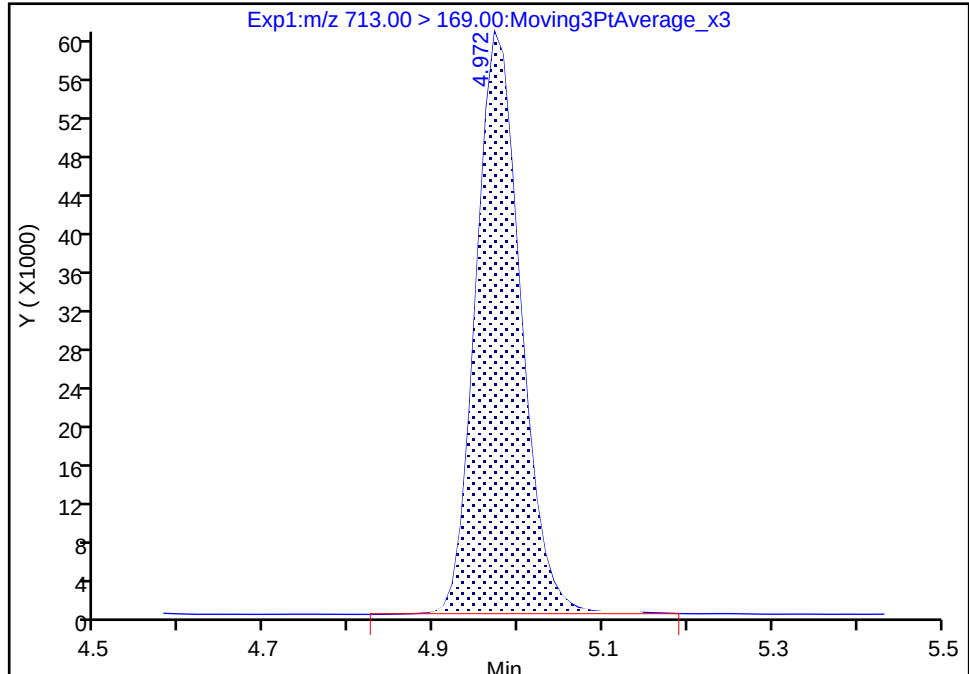
EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

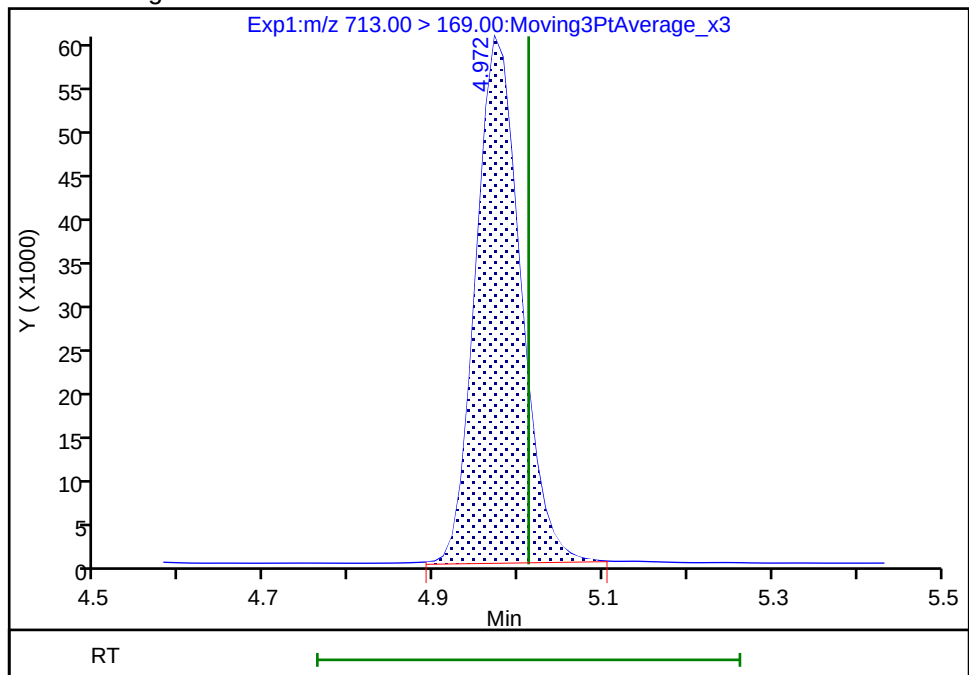
RT: 4.97
Area: 223035
Amount: 0.927261
Amount Units: ng/ml

Processing Integration Results



RT: 4.97
Area: 222344
Amount: 0.924388
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:46:49

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

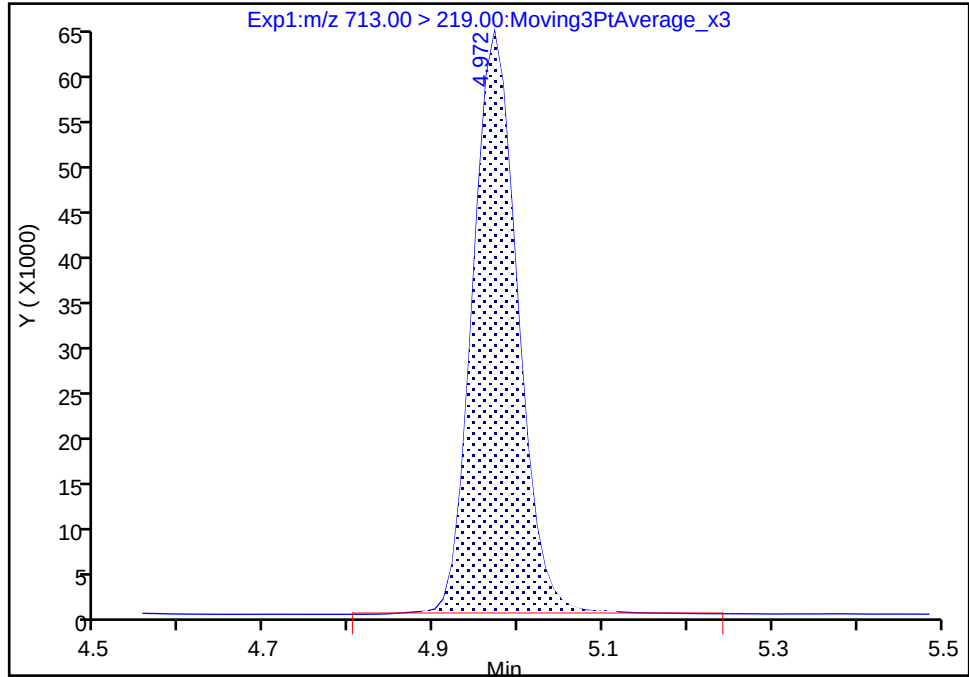
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A20.d
Injection Date: 30-Nov-2022 11:51:54 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

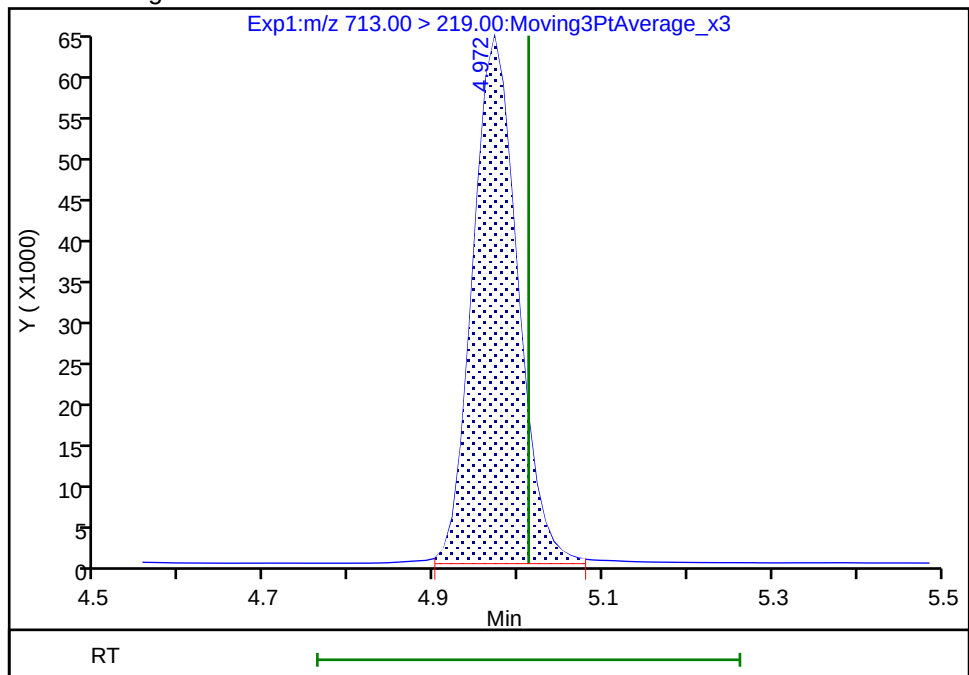
RT: 4.97
Area: 238163
Amount: 0.927261
Amount Units: ng/ml

Processing Integration Results



RT: 4.97
Area: 236095
Amount: 0.924388
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:46:53

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A20.d

Injection Date: 30-Nov-2022 11:51:54

Instrument ID: LC812

Lims ID: CCV L4

Client ID:

Operator ID: lc812tech

ALS Bottle#: 17

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)

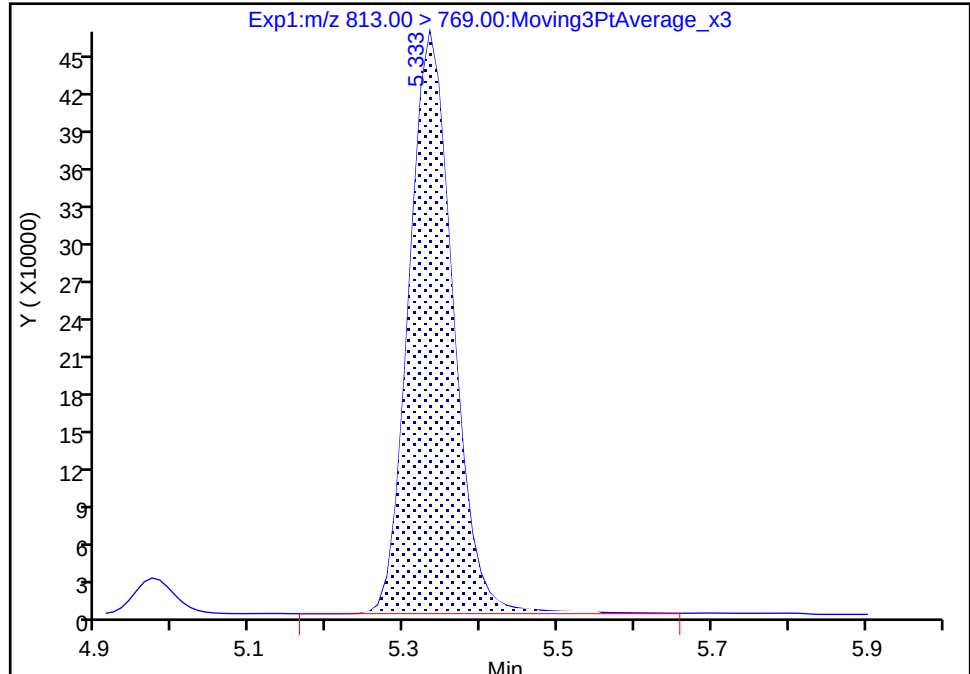
Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

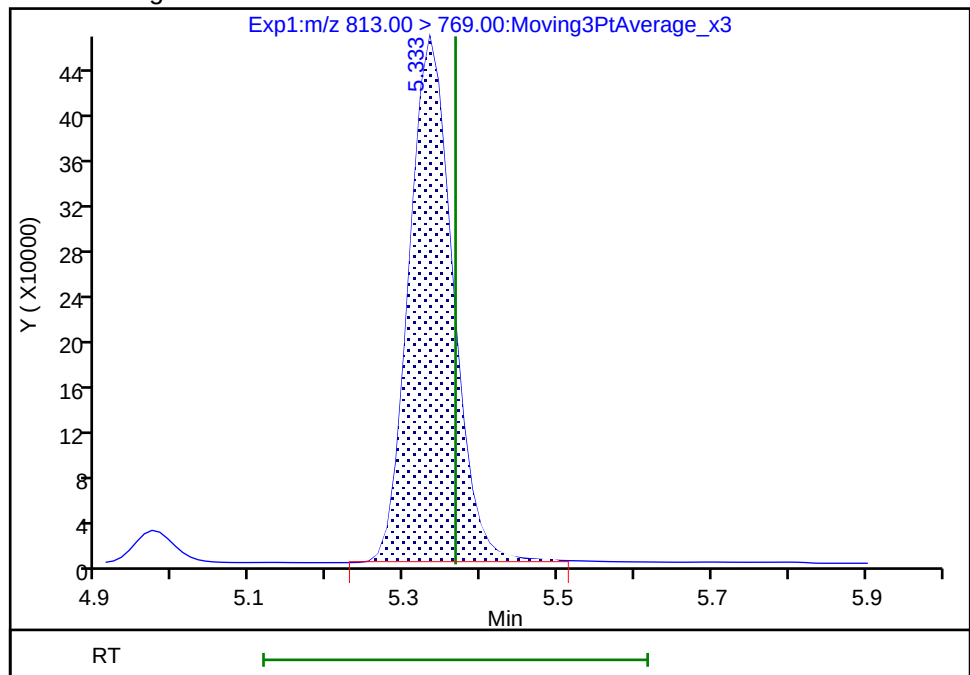
RT: 5.33
Area: 1833942
Amount: 0.913452
Amount Units: ng/ml

Processing Integration Results



RT: 5.33
Area: 1813999
Amount: 0.903333
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:47:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

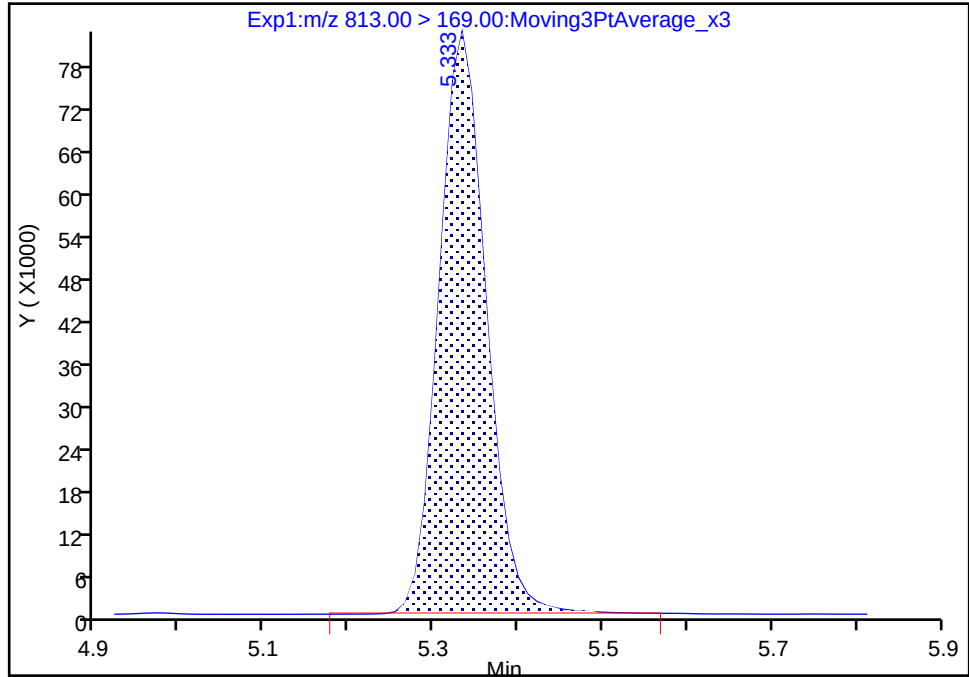
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A20.d
Injection Date: 30-Nov-2022 11:51:54 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

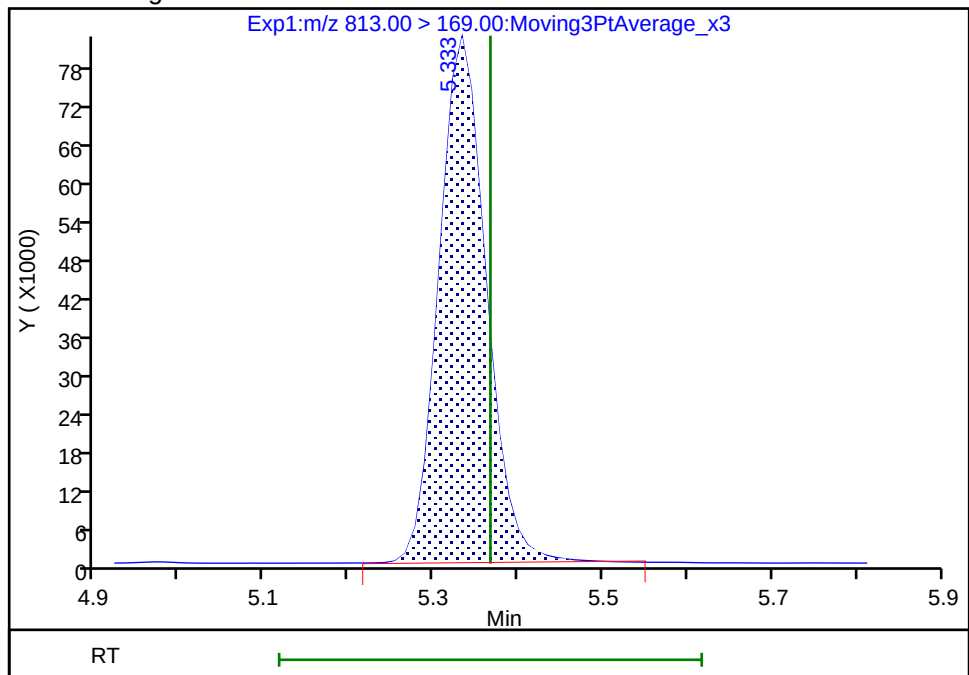
RT: 5.33
Area: 322060
Amount: 0.913452
Amount Units: ng/ml

Processing Integration Results



RT: 5.33
Area: 321844
Amount: 0.903333
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:47:05

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

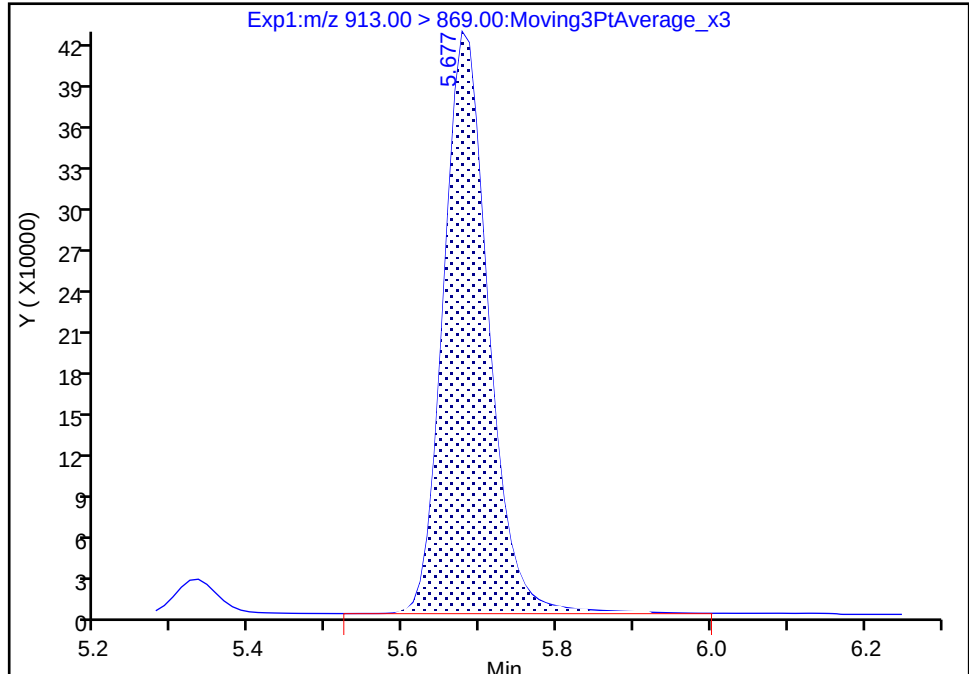
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A20.d
Injection Date: 30-Nov-2022 11:51:54 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

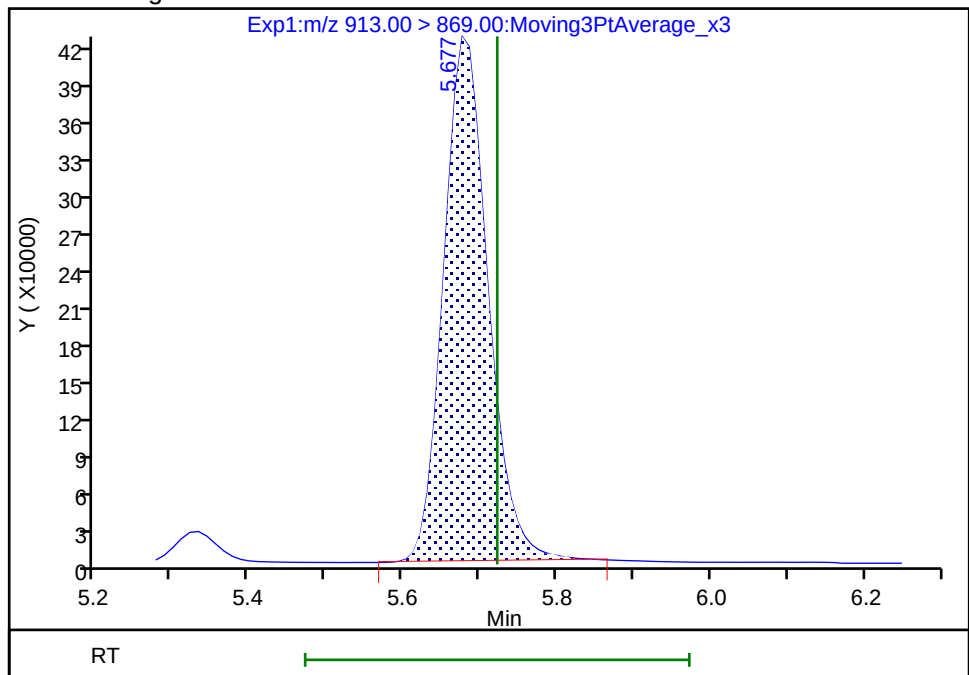
RT: 5.68
Area: 1728232
Amount: 0.979021
Amount Units: ng/ml

Processing Integration Results



RT: 5.68
Area: 1700994
Amount: 0.963591
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:47:12

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

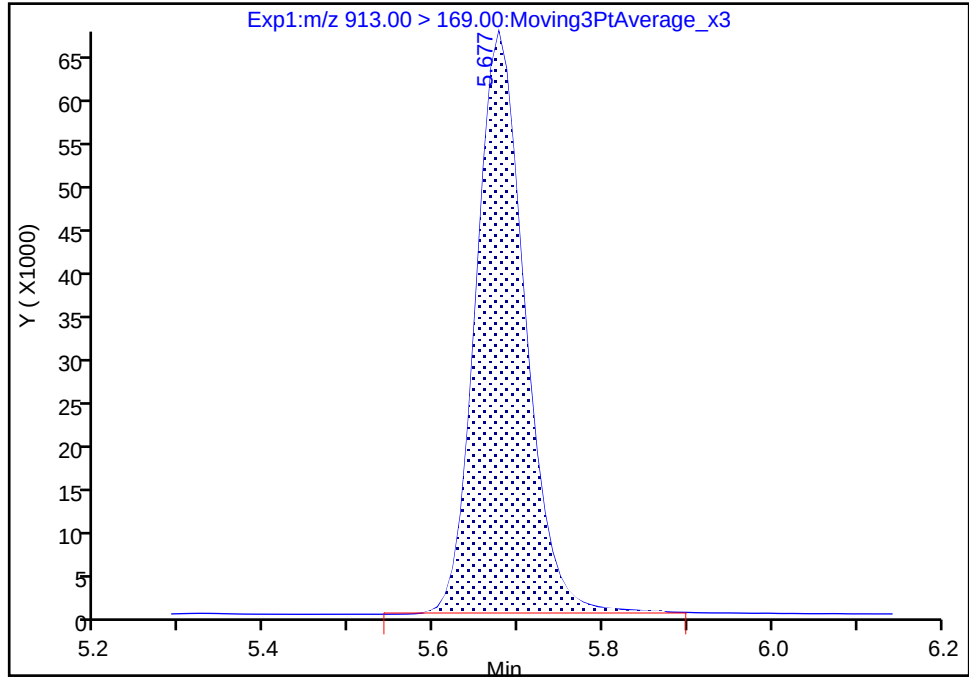
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A20.d
Injection Date: 30-Nov-2022 11:51:54 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

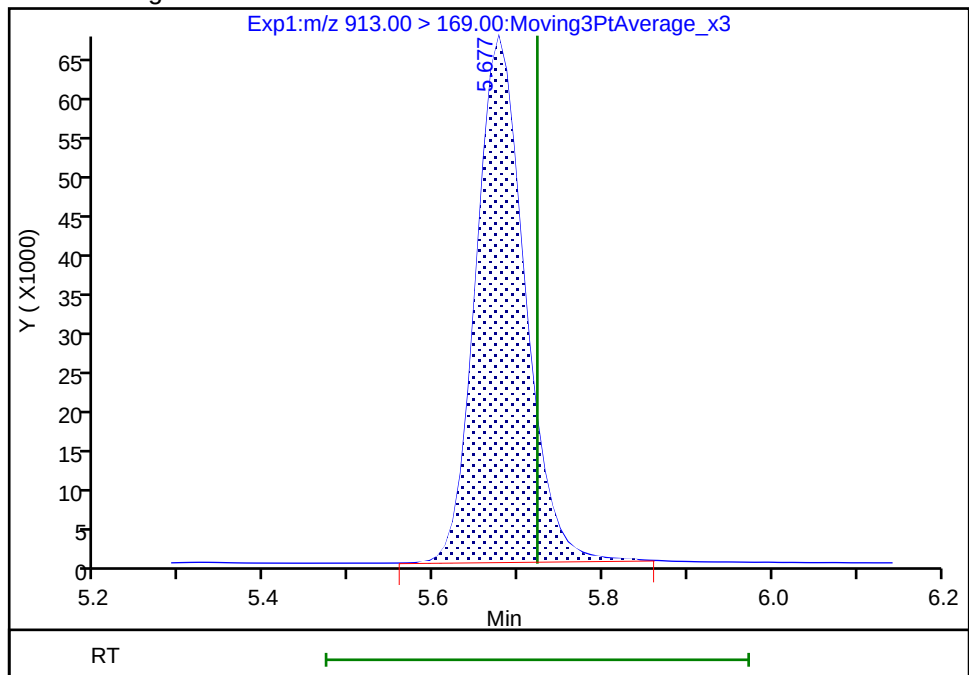
RT: 5.68
Area: 272081
Amount: 0.979021
Amount Units: ng/ml

Processing Integration Results



RT: 5.68
Area: 270460
Amount: 0.963591
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:47:16

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-269761-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 200-186147/1-A
Matrix: Solid Lab File ID: PA221130A06.d
Analysis Method: 537 (modified) Date Collected: _____
Extraction Method: SHAKE Date Extracted: 11/29/2022 10:30
Sample wt/vol: 5.00 (g) Date Analyzed: 11/30/2022 09:57
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.: 186193 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.: 460-269761-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-186147/1-A
 Matrix: Solid Lab File ID: PA221130A06.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: SHAKE Date Extracted: 11/29/2022 10:30
 Sample wt/vol: 5.00 (g) Date Analyzed: 11/30/2022 09:57
 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.: 186193 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	93		50-150
STL01892	13C4 PFHpA	91		50-150
STL00990	13C4 PFOA	87		50-150
STL00991	13C4 PFOS	91		50-150
STL00995	13C5 PFNA	95		50-150
STL00992	13C4 PFBA	83		50-150
STL00993	13C2 PFHxA	95		50-150
STL00996	13C2 PFDA	96		50-150
STL00997	13C2 PFUnA	90		50-150
STL00998	13C2 PFDoA	83		50-150
STL01056	13C8 FOSA	94		50-150
STL01893	13C5 PFPeA	87		50-150
STL02116	13C2 PFTeDA	85		50-150
STL02118	d3-NMeFOSAA	92		50-150
STL02117	d5-NEtFOSAA	92		50-150
STL02279	M2-6:2 FTS	99		50-150
STL02280	M2-8:2 FTS	96		50-150
STL02337	13C3 PFBS	93		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A06.d
 Lims ID: MB 200-186147/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 30-Nov-2022 09:57:29 ALS Bottle#: 3 Worklist Smp#: 6
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: MB 200-186147/1-A
 Misc. Info.: 200-0053485-006 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 01-Dec-2022 08:24:50 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: CTX1681

First Level Reviewer: Z1IP

Date: 30-Nov-2022 13:18:54

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	2105022	1.04		83.1	14495	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.093	2.076	0.017	1.004	55991	0.0322			5.2	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.386	2.387	-0.001	0.694	1686920	1.09		87.5	2964	
D 47 13C3 PFBS										
301.90 > 80.00	2.400	2.400	0.0	0.698	1806681	1.08		92.7	617131	
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.689	2.689	0.0	1.000	108	0.000241			2.6	M
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.689	2.689	0.0	0.782	169723	1.15		98.1	163	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.725	2.725	0.0	0.792	1913415	1.18		94.7	5107	
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.859	2.835	0.024	1.009	313	0.001137			2.2	M
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.835	2.835	0.0	0.824	325773	1.14		91.3	2079	
D 11 18O2 PFHxS										
403.00 > 84.00	3.088	3.088	0.0	0.898	1343886	1.10		93.1	4490	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.088	3.088	0.0	1.000	4361	0.003400	Target=3.66		17.2	M
399.00 > 99.00	3.099	3.088	0.011	1.004	1457		2.99(1.83-5.49)		2.7	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.099	3.099	0.0	0.901	1895991	1.14		91.2	2845	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.088	3.099	-0.011	0.996	2147	0.001300	Target=3.97	0.5		M
363.00 > 169.00	3.110	3.099	0.011	1.004	801		2.68(1.98-5.95)	2.3		M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.430	3.439	-0.009	0.997	240525	1.17		98.9	873	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.439	3.439	0.0	1.003	7527	0.005719		9.7		
D 14 13C4 PFOA										
417.00 > 372.00	3.439	3.448	-0.009	1.000	2036134	1.09		87.1	3541	
* 62 13C2 PFOA										
415.00 > 370.00	3.439	3.448	-0.009		2257727	1.25		4095		
15 Perfluorooctanoic acid										RM
413.00 > 369.00	3.430	3.448	-0.018	0.997	5196	0.002984	Target=2.79	0.3		RM
413.00 > 169.00	3.439	3.448	-0.009	1.000	1237		4.20(1.40-4.19)	2.1		M
D 18 13C4 PFOS										
503.00 > 80.00	3.754	3.764	-0.010	1.092	902641	1.09		91.2	3176	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.764	3.764	0.0	1.003	4806	0.005232	Target=5.11	2.7		M
499.00 > 99.00	3.745	3.764	-0.019	0.997	920		5.22(2.55-7.66)	1.7		M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.754	3.783	-0.029	0.995	2355	0.001315	Target=8.55	0.7		M
463.00 > 169.00	3.773	3.783	-0.010	1.000	229		10.28(4.28-12.83)	3.8		M
D 19 13C5 PFNA										
468.00 > 423.00	3.773	3.783	-0.010	1.097	2158554	1.19		95.1	4367	
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.916	3.928	-0.012	1.043	532	0.000252		2.8		M
68 Perfluorononanesulfonic acid										RM
549.00 > 80.00	4.041	4.050	-0.009	1.076	238	0.000343	Target=2.53	3.8		RM
549.00 > 99.00	4.041	4.050	-0.009	1.076	198		1.20(1.27-3.80)	2.3		M
D 23 13C2 PFDA										
515.00 > 470.00	4.071	4.081	-0.010	1.184	2224610	1.20		96.1	5491	
24 Perfluorodecanoic acid										R
513.00 > 469.00	4.071	4.081	-0.010	1.000	2363	0.001224	Target=10.26	1.3		R
513.00 > 169.00	4.071	4.081	-0.010	1.000	484		4.88(5.13-15.38)	2.0		
D 26 M2-8:2 FTS										
529.00 > 81.00	4.081	4.093	-0.012	1.187	288842	1.15		96.3	827	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.071	4.093	-0.022	0.997	266	0.000682		4.9		M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.138	4.150	-0.012	1.000	873	0.000586		2.6		M
D 21 13C8 FOSA										
506.00 > 78.00	4.138	4.150	-0.012	1.203	1782336	1.17		93.9	3227	
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.217	4.228	-0.011	1.226	432725	1.15		91.8	1398	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.217	4.228	-0.011	1.000	779	-0.009011		3.5		

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 30 13C2 PFUnA										
565.00 > 520.00	4.342	4.353	-0.011	1.263	1901716	1.12		89.7	5632	
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.331	4.353	-0.022	0.997	3702	0.002414	Target=9.88		1.7	
563.00 > 169.00	4.319	4.353	-0.034	0.995	457		8.10(4.94-14.82)		6.1	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.353	4.365	-0.012	1.000	1681	0.005524			20.9	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.353	4.365	-0.012	1.266	424908	1.14		91.6	1044	
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.432	4.454	-0.022	1.181	1539	0.000474			7.4	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.568	4.591	-0.023	0.997	4378	0.002896	Target=7.77		0.6	M
613.00 > 169.00	4.580	4.591	-0.011	1.000	809		5.41(3.89-11.66)		11.0	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.580	4.591	-0.011	1.332	1783623	1.03		82.6	3033	
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.591	4.612	-0.021	1.125	267	0.001139			3.8	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.785	4.804	-0.019	1.045	1500	0.001038	Target=5.21		0.3	
663.00 > 169.00	4.785	4.804	-0.019	1.045	383		3.92(2.60-7.81)		3.3	M
42 Perfluorotetradecanoic acid										RM
713.00 > 169.00	4.982	5.012	-0.030	1.000	394	0.002259	Target=0.89		7.4	R
713.00 > 219.00	4.982	5.012	-0.030	1.000	279		1.41(0.44-1.33)		5.3	M
D 43 13C2 PFTeDA										
715.00 > 670.00	4.982	5.012	-0.030	1.449	1592487	1.07		85.3	4564	
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.333	5.367	-0.034	1.000	19372	-0.003803	Target=5.65		2.5	M
813.00 > 169.00	5.333	5.367	-0.034	1.000	3677		5.27(2.82-8.47)		34.1	
D 44 13C2 PFHxDA										
815.00 > 770.00	5.333	5.367	-0.034	1.551	1983611	1.07		85.9	3649	

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A06.d

Injection Date: 30-Nov-2022 09:57:29

Instrument ID: LC812

Lims ID: MB 200-186147/1-A

Client ID:

Operator ID: lc812tech

ALS Bottle#: 3

Worklist Smp#: 6

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

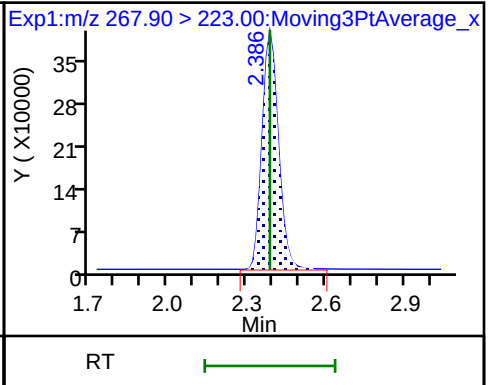
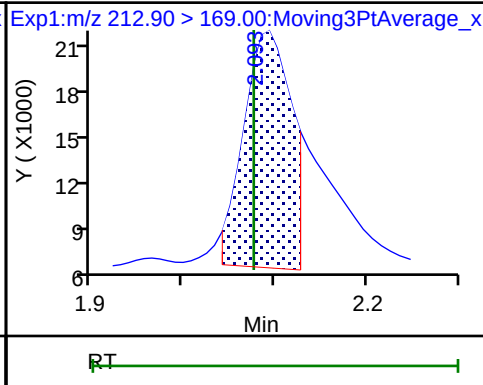
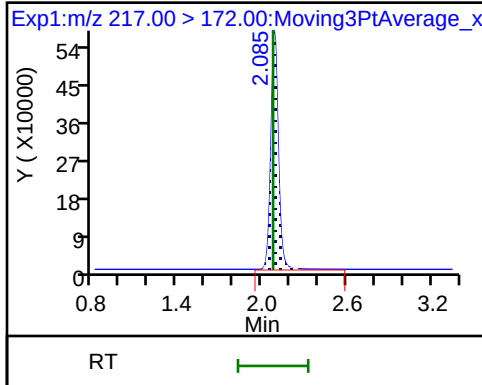
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

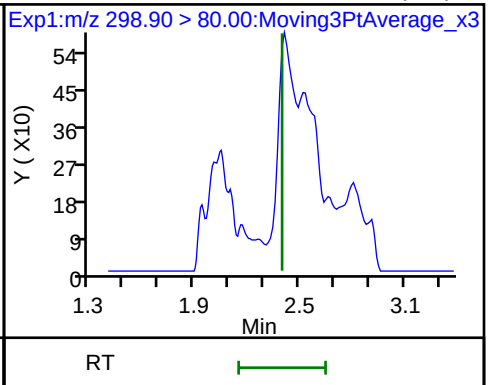
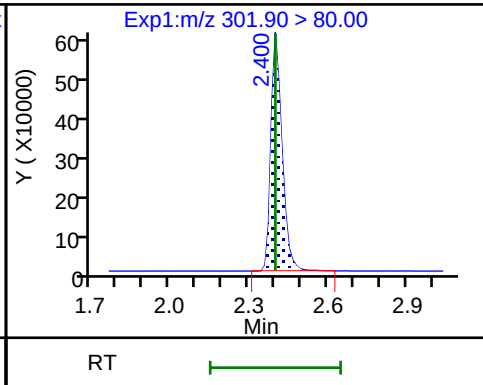
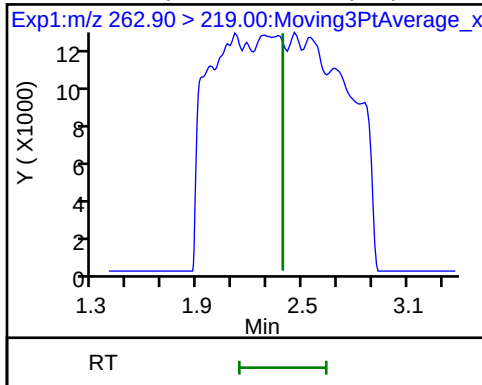
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (ND)

D 47 13C3 PFBS

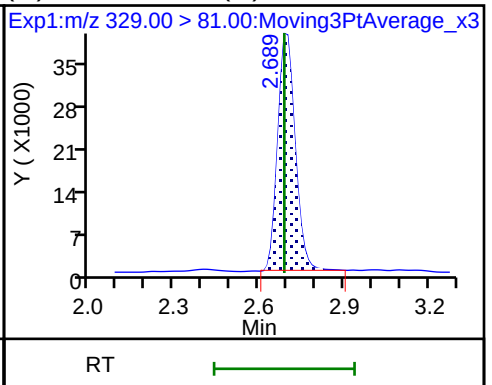
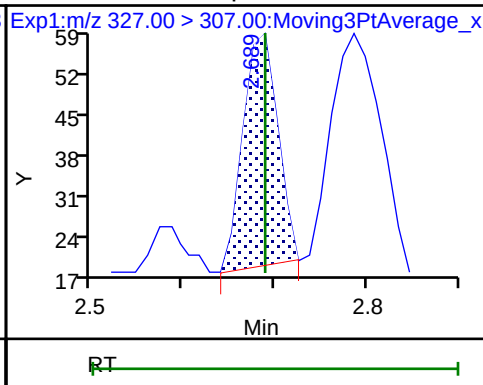
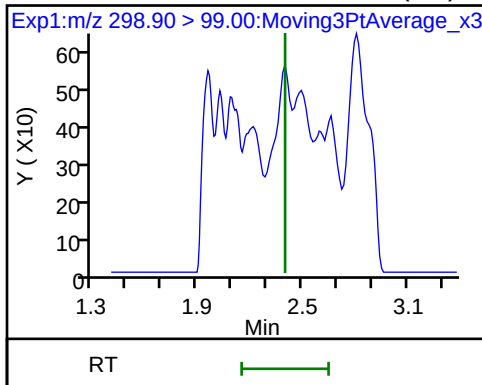
5 Perfluorobutanesulfonic acid (ND)



5 Perfluorobutanesulfonic acid (ND)

61 1H,1H,2H,2H-perfluorohexanesulfonate (M)

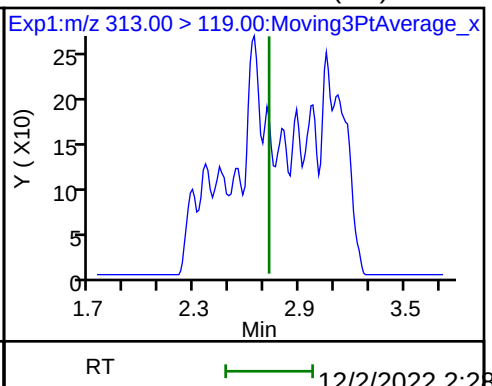
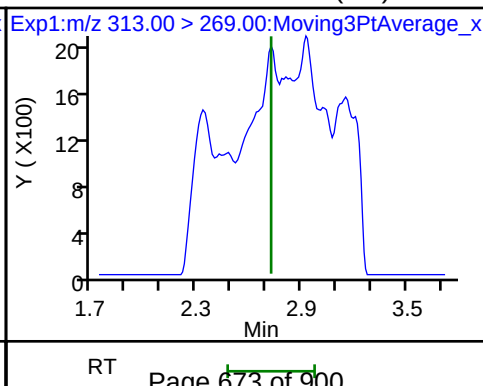
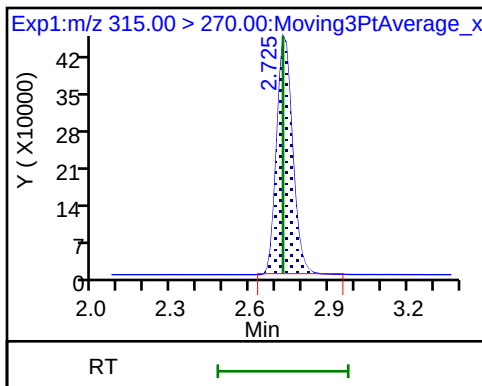
D 50 M2-4:2 FTS (M)



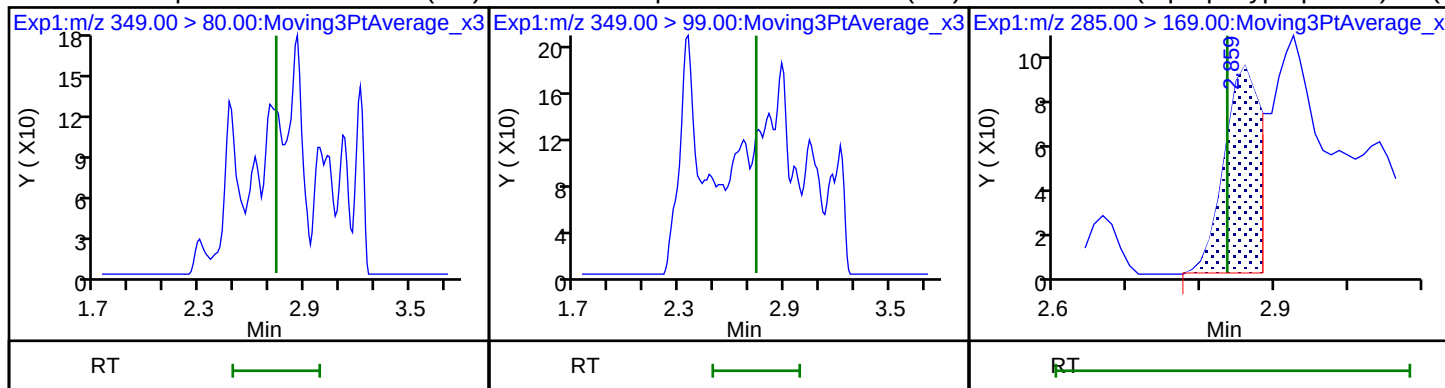
D 7 13C2 PFHxA

6 Perfluorohexanoic acid (ND)

6 Perfluorohexanoic acid (ND)



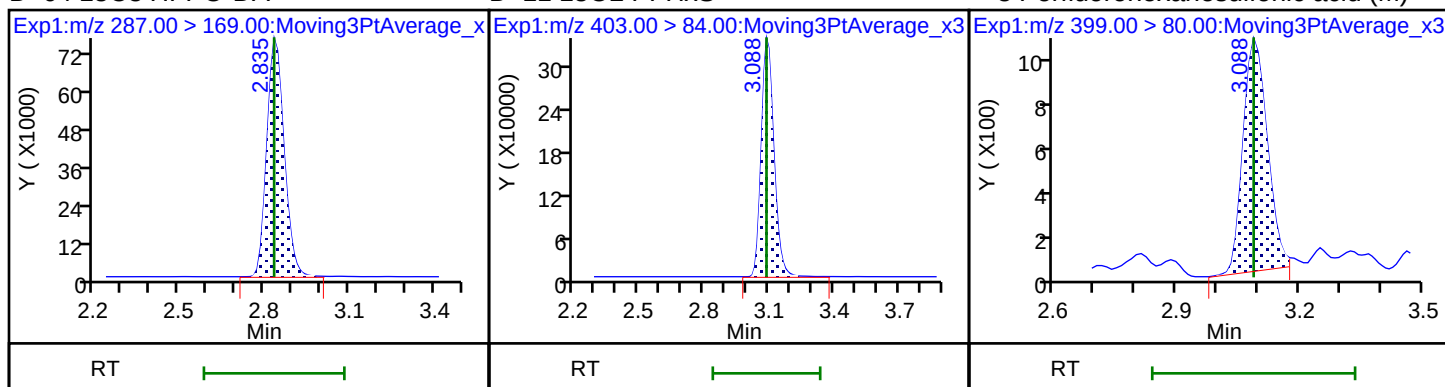
70 Perfluoropentanesulfonic acid (ND) 70 Perfluoropentanesulfonic acid (ND) 67 Perfluoro(2-propoxypropanoic) ac (M)



D 64 13C3 HFPO-DA

D 11 18O2 PFHxS

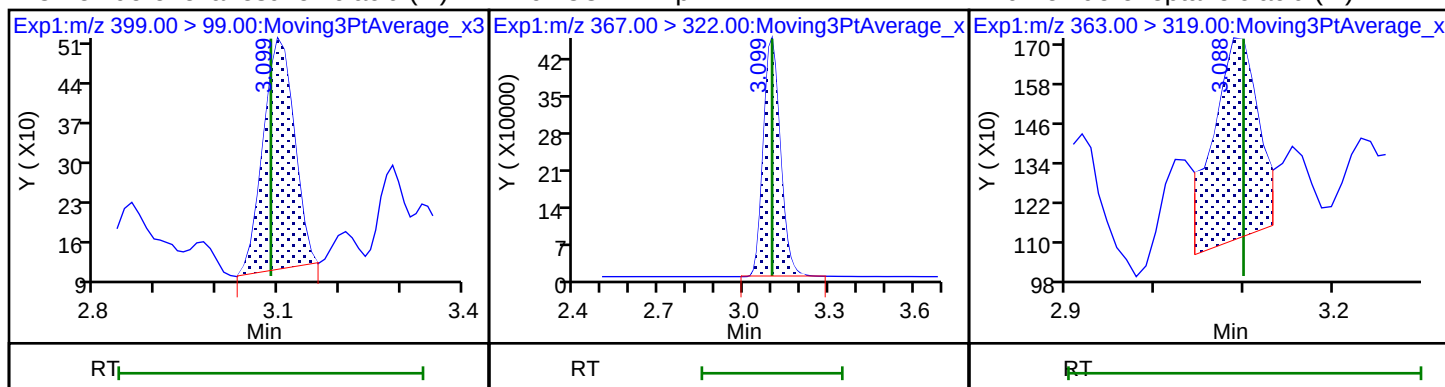
8 Perfluorohexanesulfonic acid (M)



8 Perfluorohexanesulfonic acid (M)

D 9 13C4 PFHpA

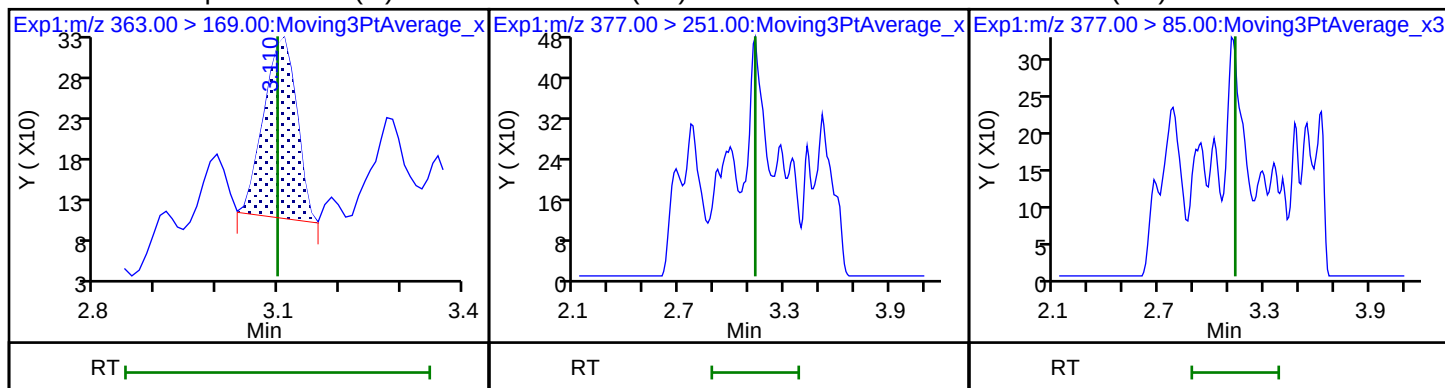
10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid (M)

77 DONA (ND)

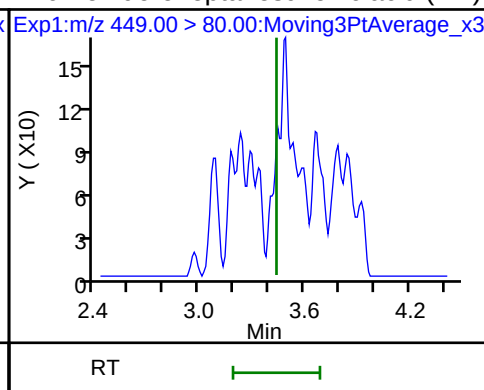
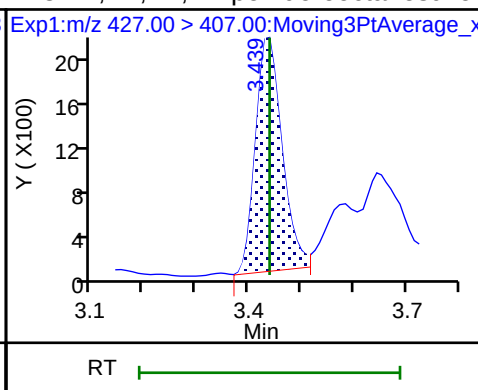
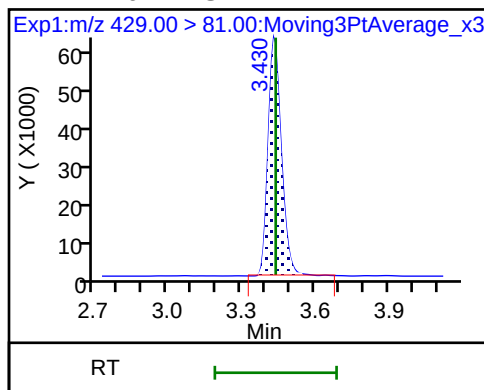
77 DONA (ND)



D 12 M2-6:2 FTS

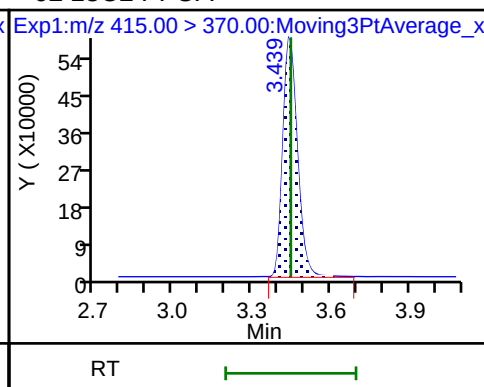
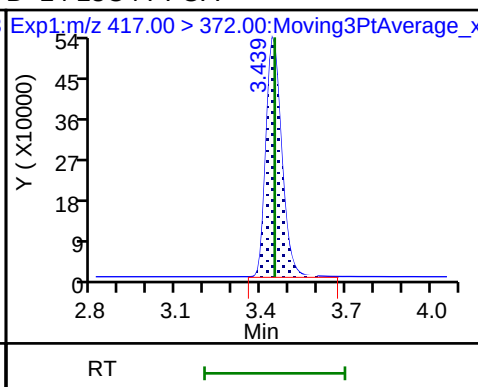
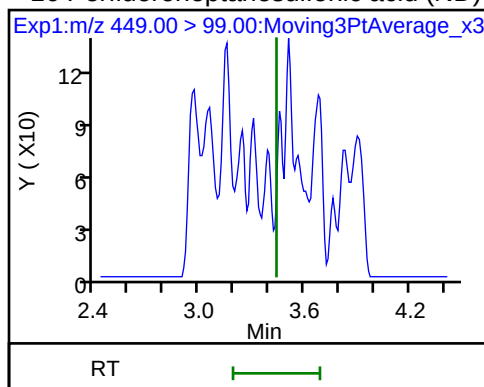
13 1H,1H,2H,2H-perfluorooctanesulfo

16 Perfluoroheptanesulfonic acid (ND)



16 Perfluoroheptanesulfonic acid (ND) D 14 13C4 PFOA

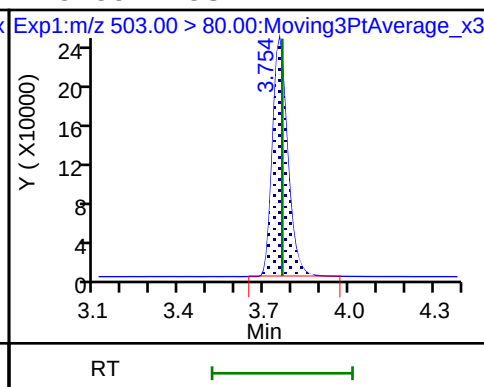
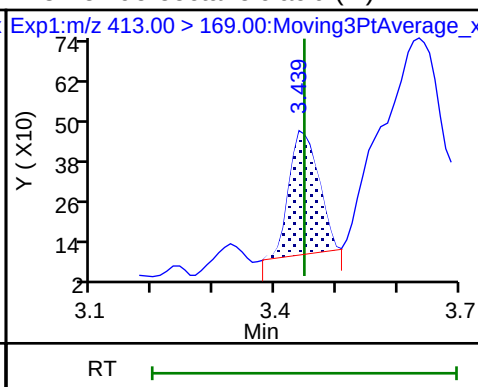
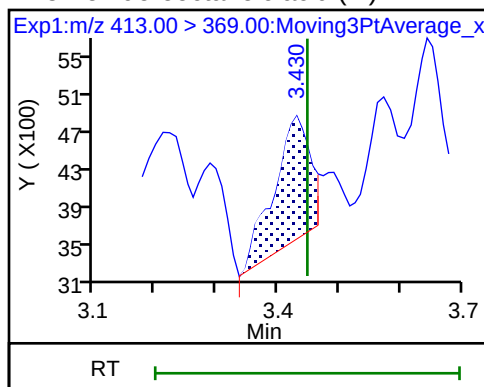
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

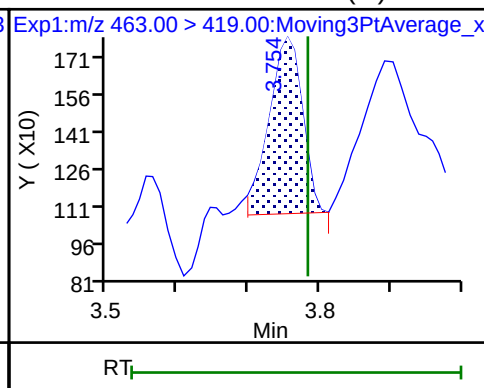
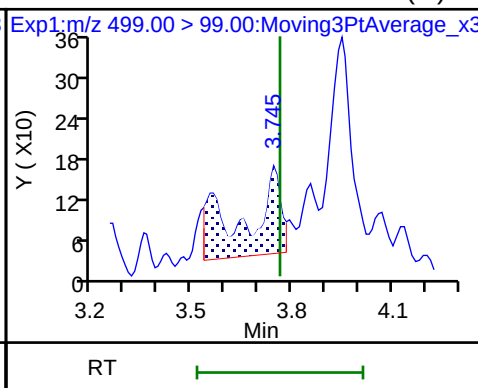
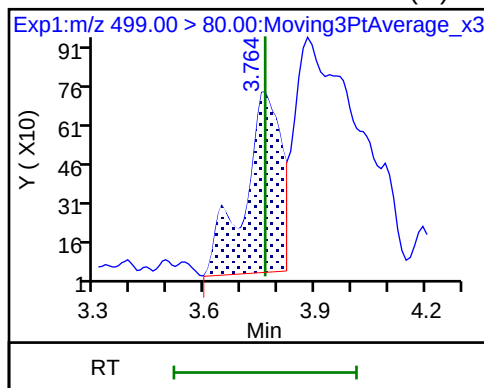
D 18 13C4 PFOS

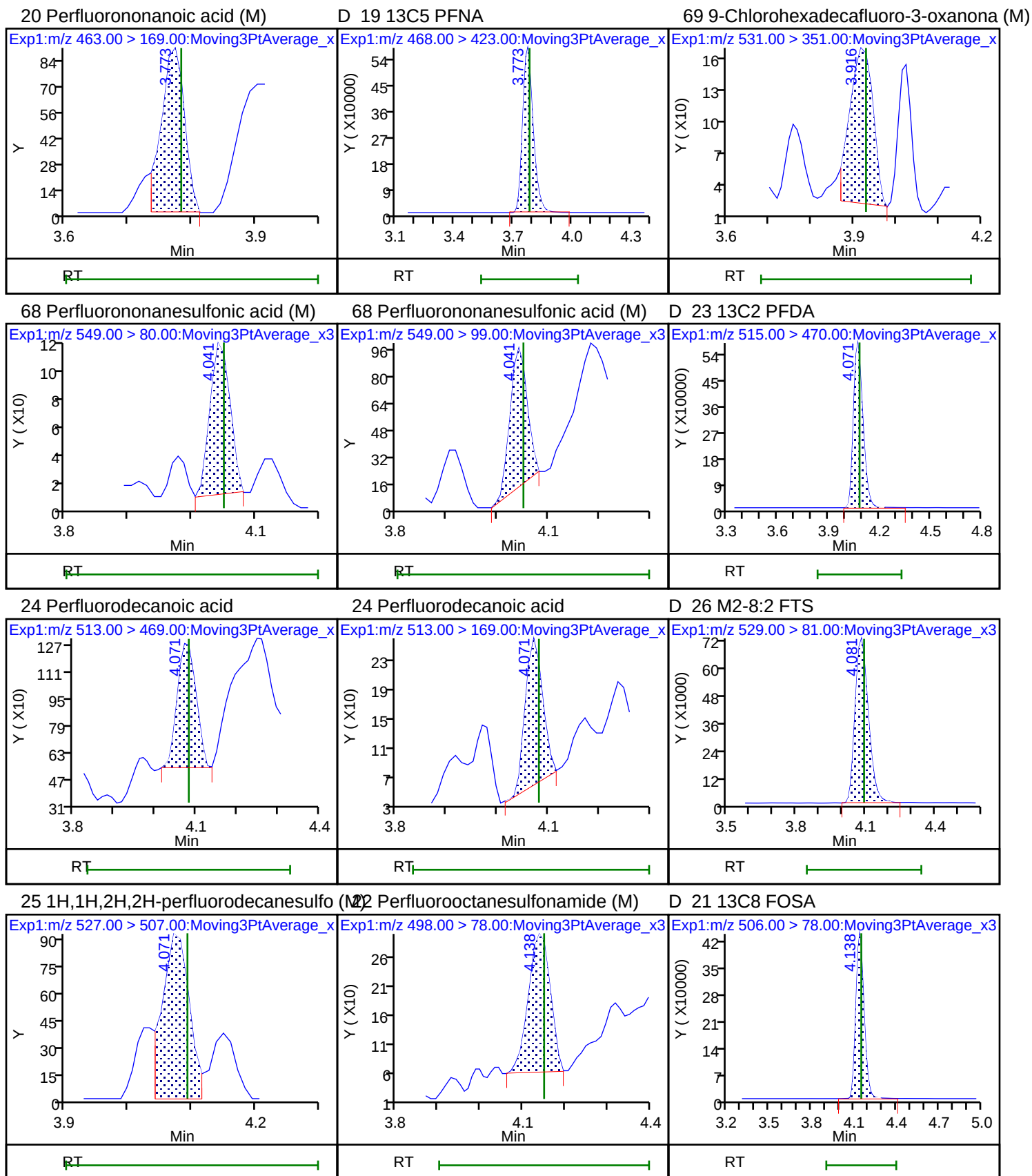


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid (M)

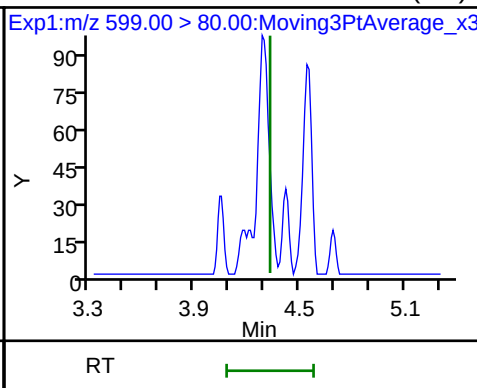
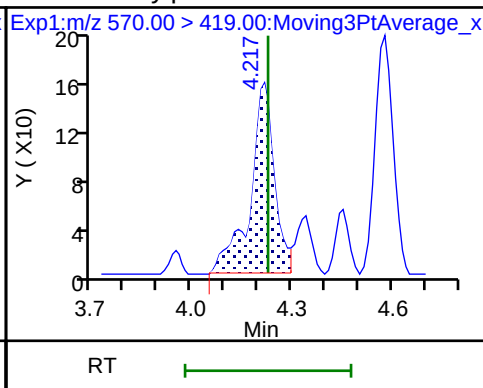
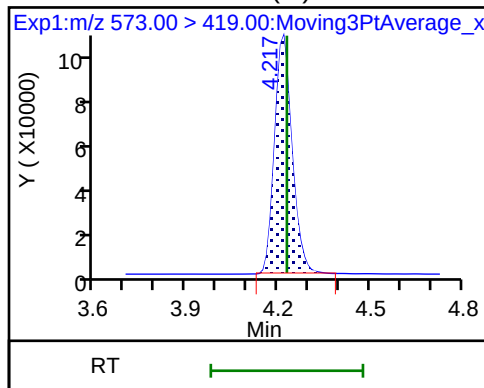




D 27 d3-NMeFOSAA (M)

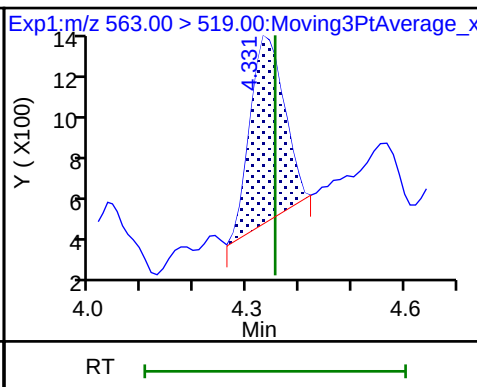
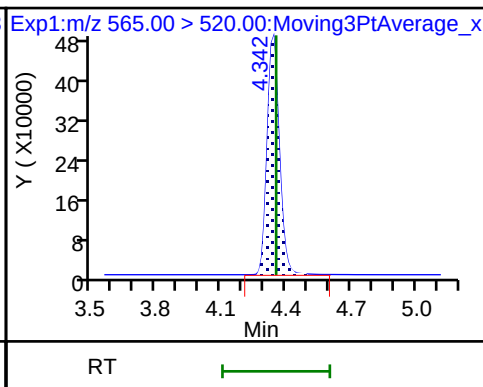
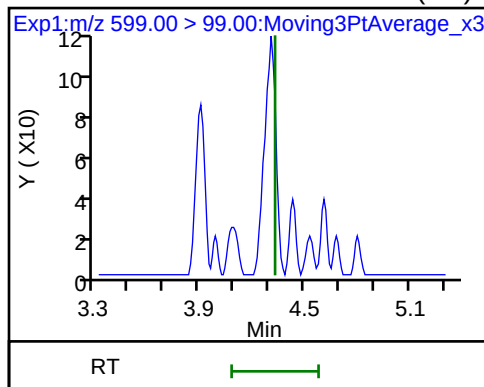
28 N-methylperfluorooctanesulfonami

29 Perfluorodecanesulfonic acid (ND)



29 Perfluorodecanesulfonic acid (ND) D 30 13C2 PFUnA

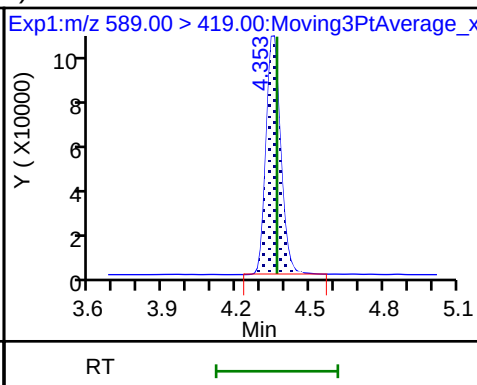
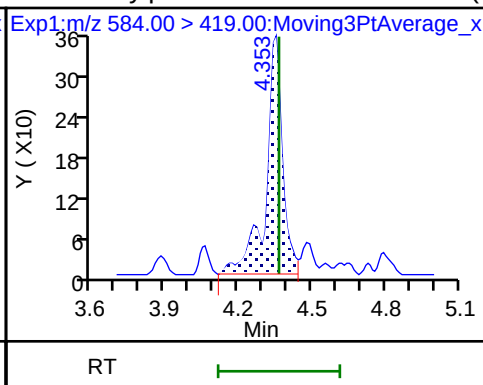
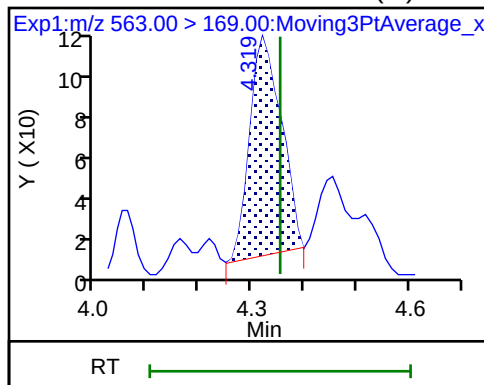
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid (M)

33 N-ethylperfluorooctanesulfonamid (M)

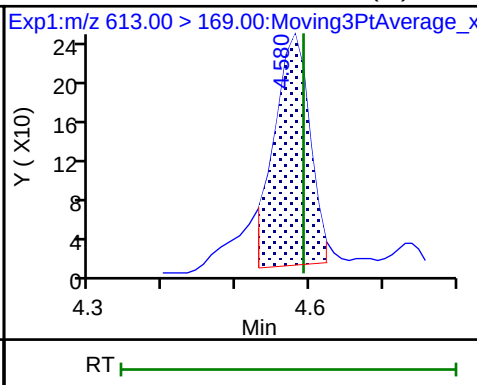
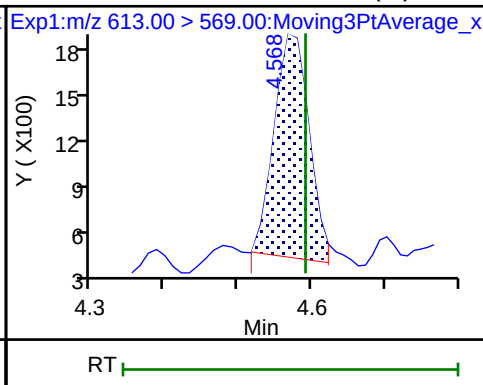
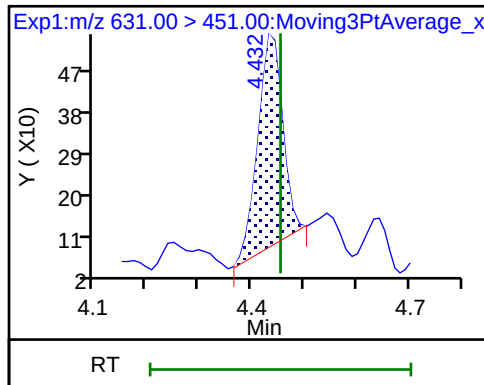
32 d5-NEtFOSAA



66 11-Chloroeicosafluoro-3-oxaundec

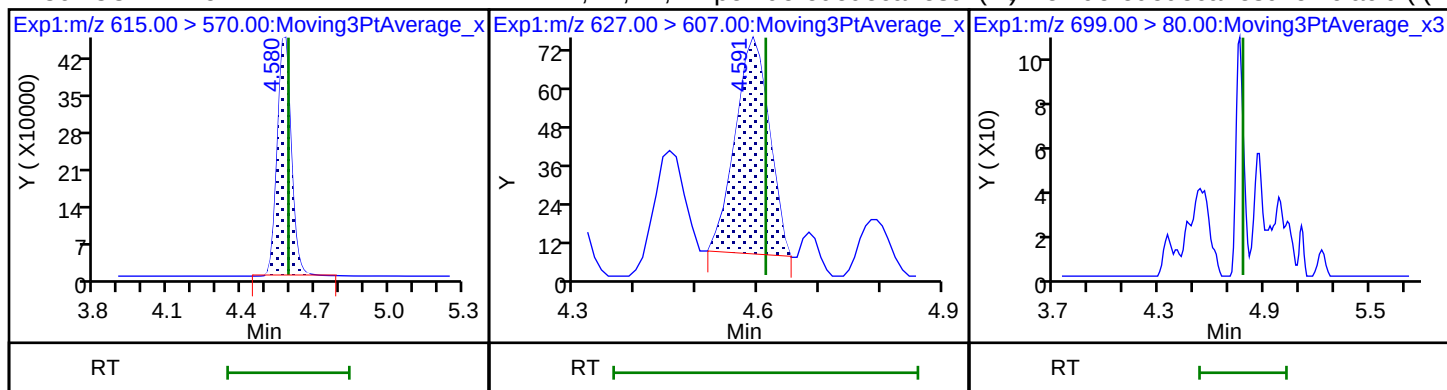
37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid (M)



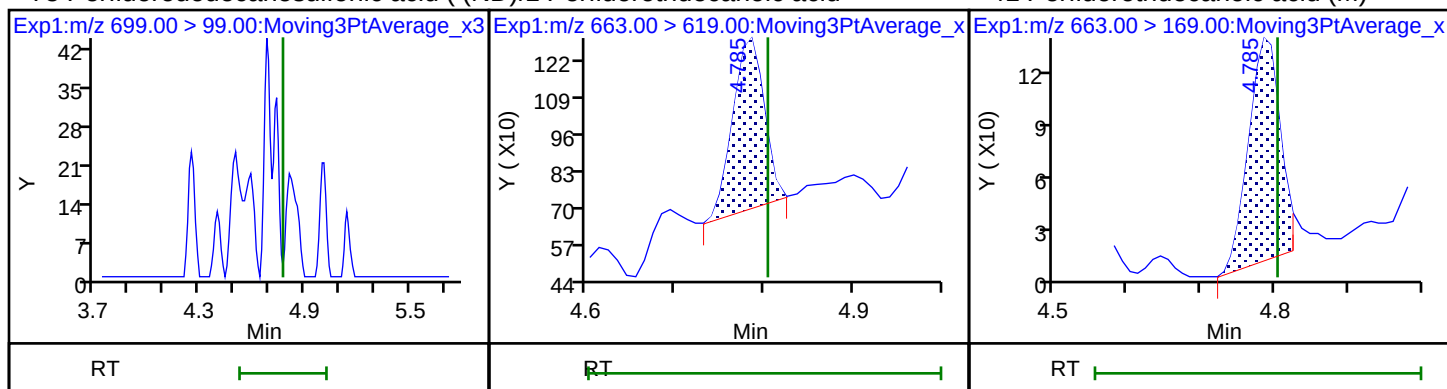
D 36 13C2 PFDaA

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



75 Perfluorododecanesulfonic acid ((ND) 41 Perfluorotridecanoic acid

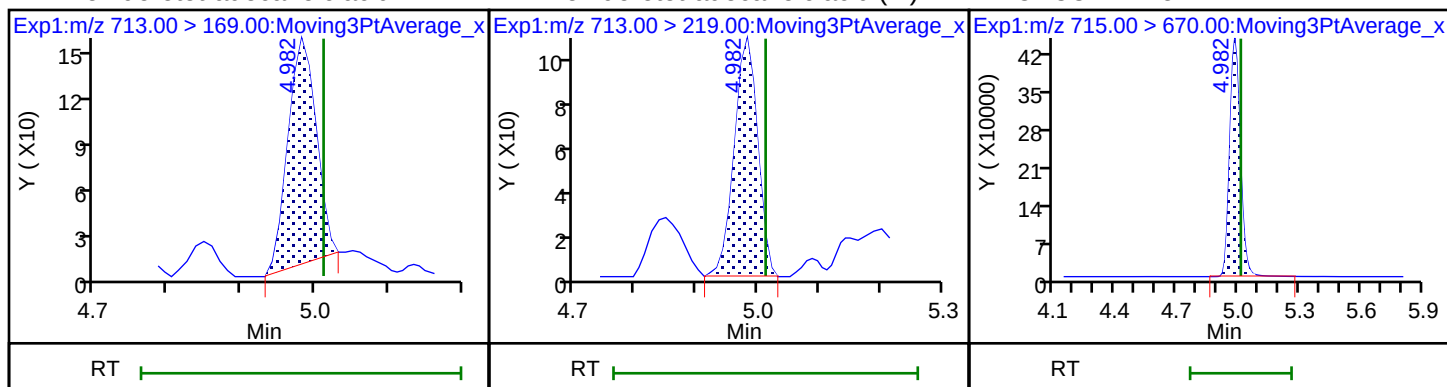
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid

42 Perfluorotetradecanoic acid (M)

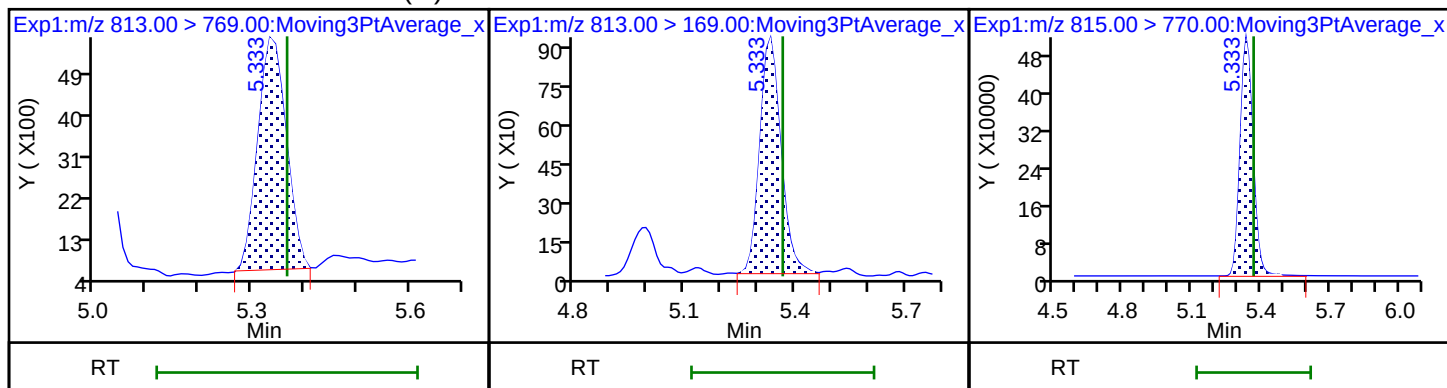
D 43 13C2 PFTeDA



45 Perfluorohexadecanoic acid (M)

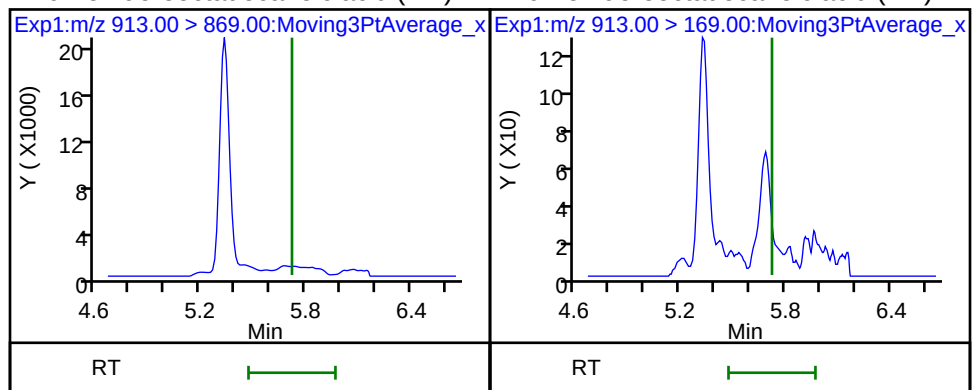
45 Perfluorohexadecanoic acid

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (ND)

46 Perfluorooctadecanoic acid (ND)



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A06.d

Injection Date: 30-Nov-2022 09:57:29

Instrument ID: LC812

Lims ID: MB 200-186147/1-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 6

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

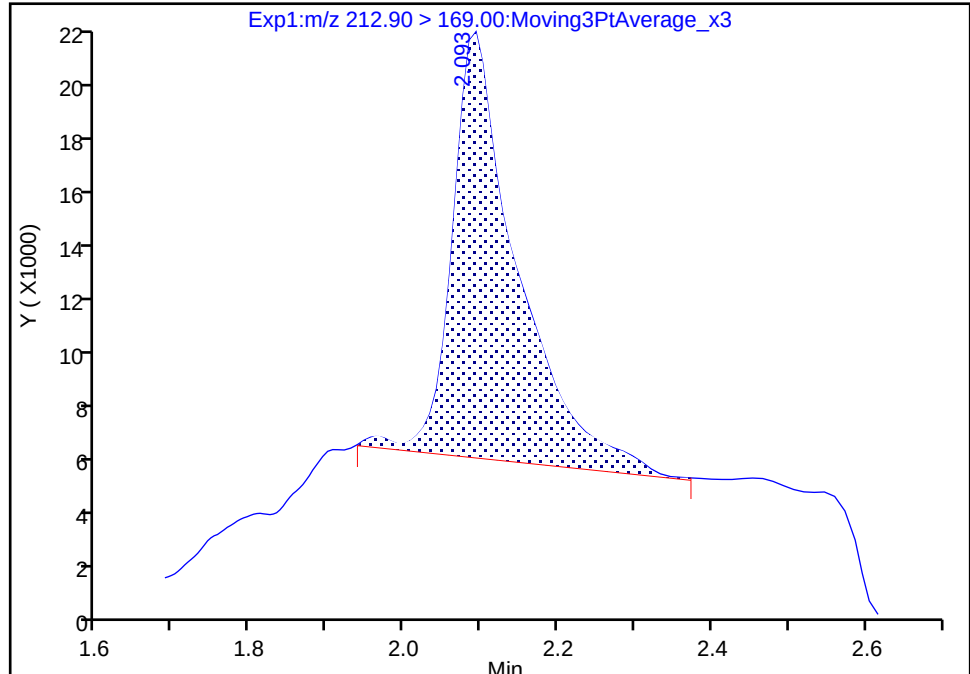
Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

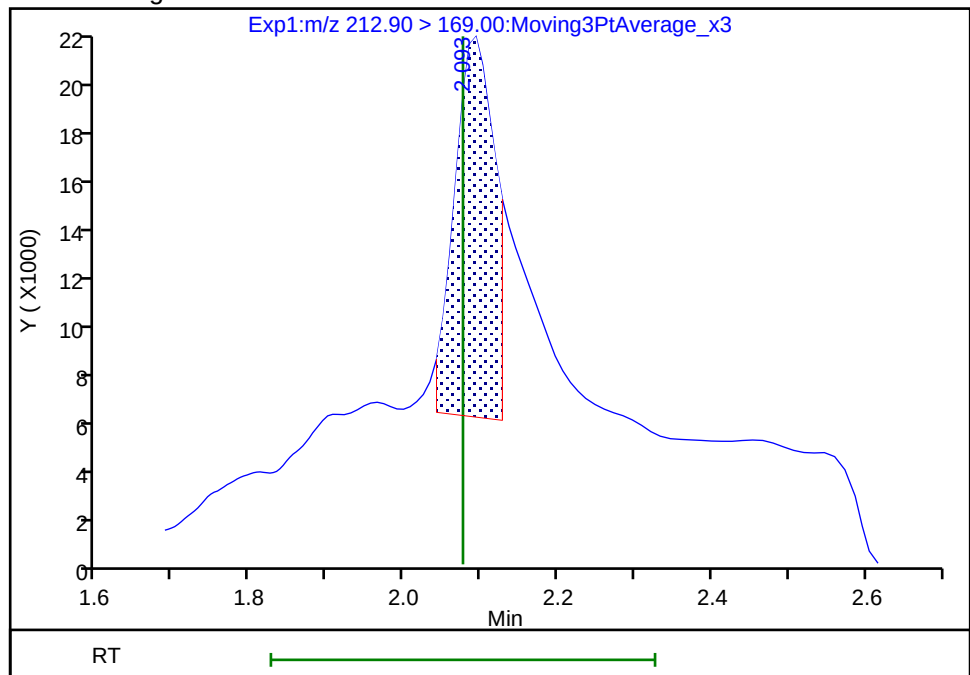
RT: 2.09
Area: 93614
Amount: 0.053908
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 55991
Amount: 0.032243
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:14:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A06.d

Injection Date: 30-Nov-2022 09:57:29

Instrument ID: LC812

Lims ID: MB 200-186147/1-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 6

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

EXP1

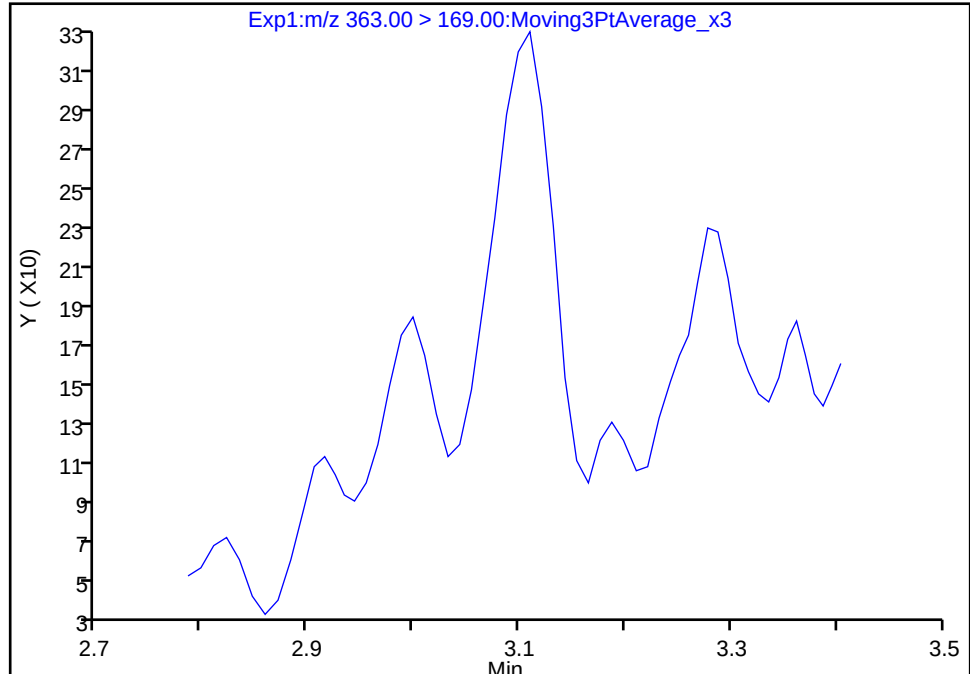
10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

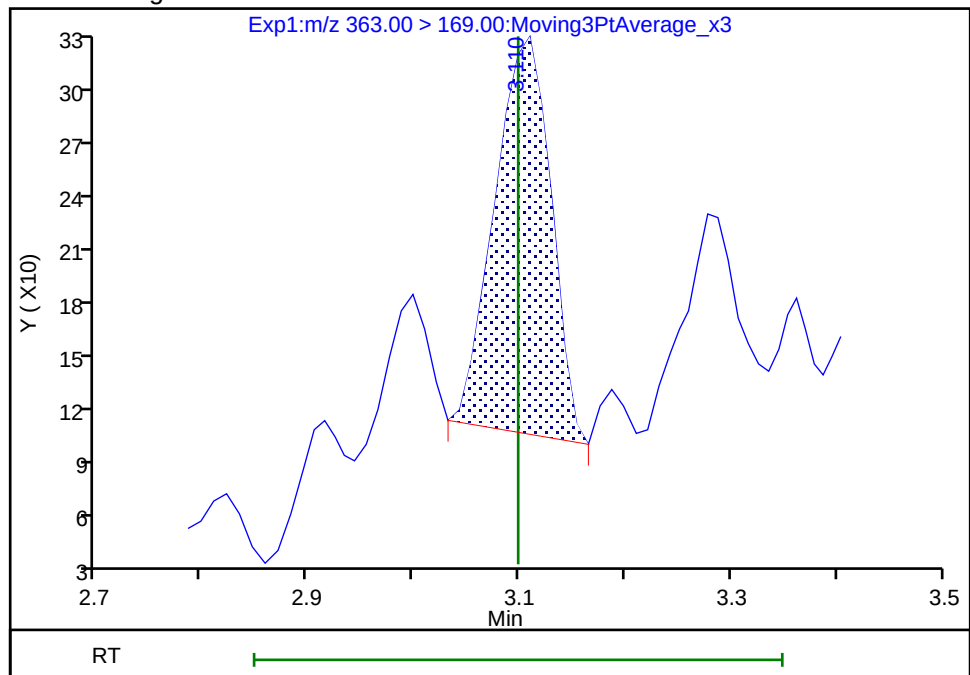
Not Detected

Expected RT: 3.10

Processing Integration Results



Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:15:10

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

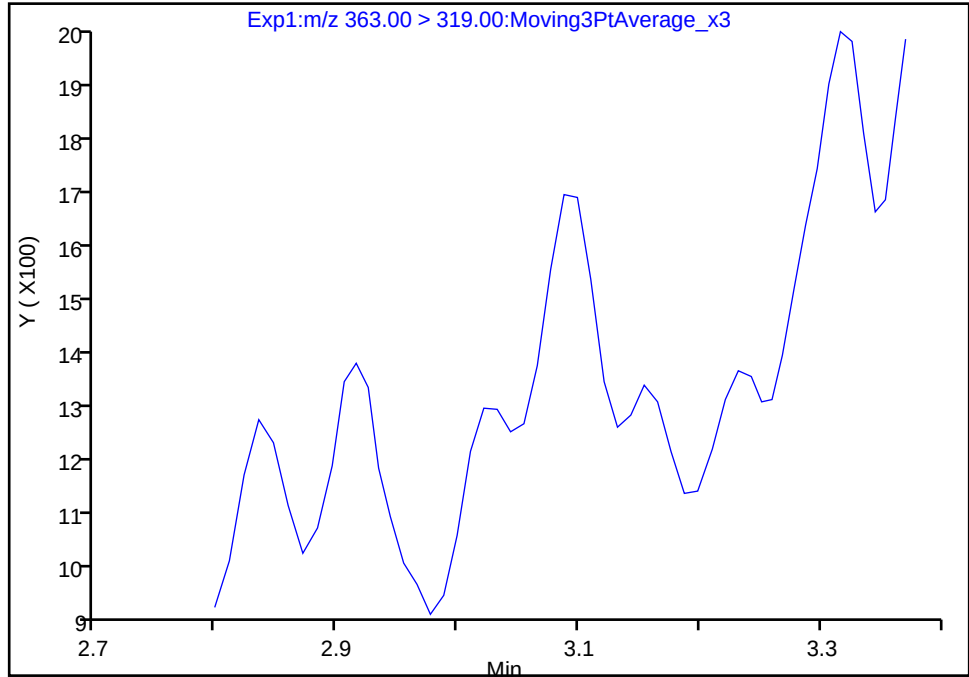
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A06.d
Injection Date: 30-Nov-2022 09:57:29 Instrument ID: LC812
Lims ID: MB 200-186147/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

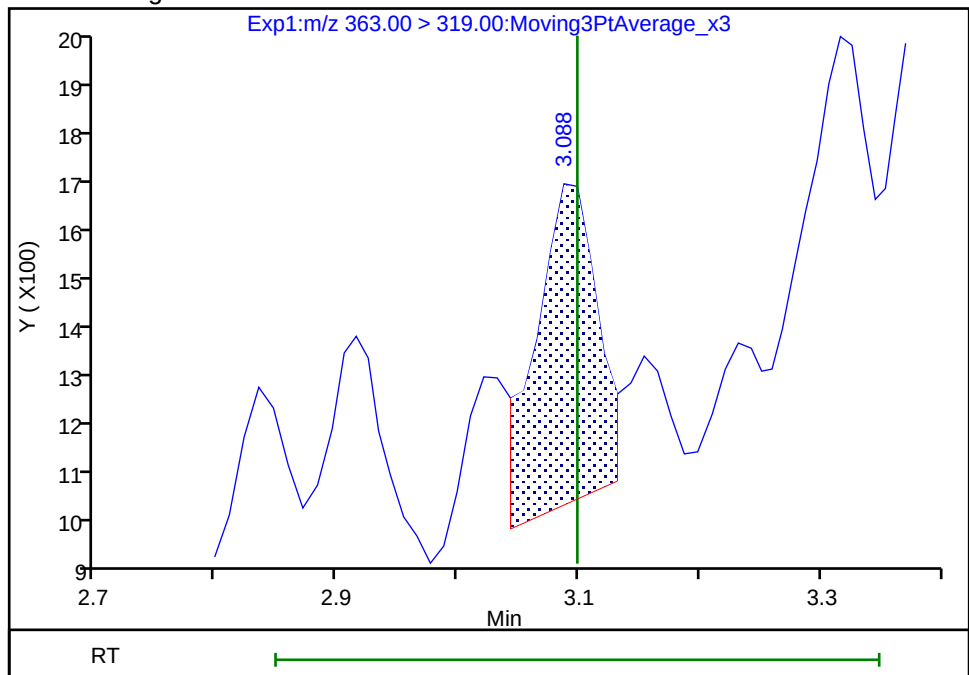
Not Detected
Expected RT: 3.10

Processing Integration Results



Manual Integration Results

RT: 3.09
Area: 2147
Amount: 0.001300
Amount Units: ng/ml



Reviewer: khanphomeea, 01-Dec-2022 10:15:18

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

Eurofins Burlington

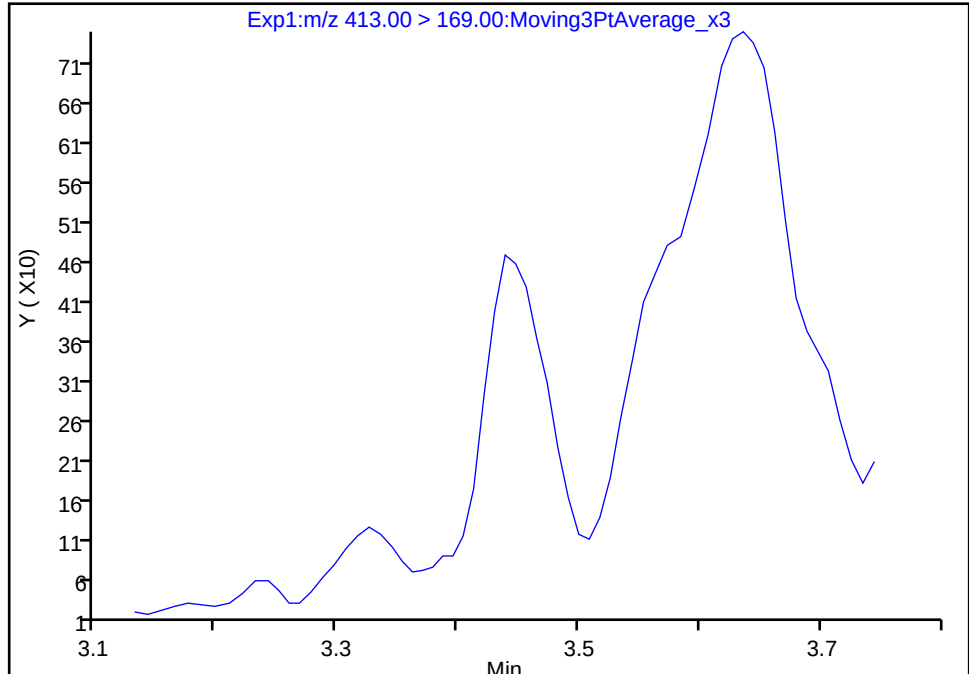
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A06.d
Injection Date: 30-Nov-2022 09:57:29 Instrument ID: LC812
Lims ID: MB 200-186147/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

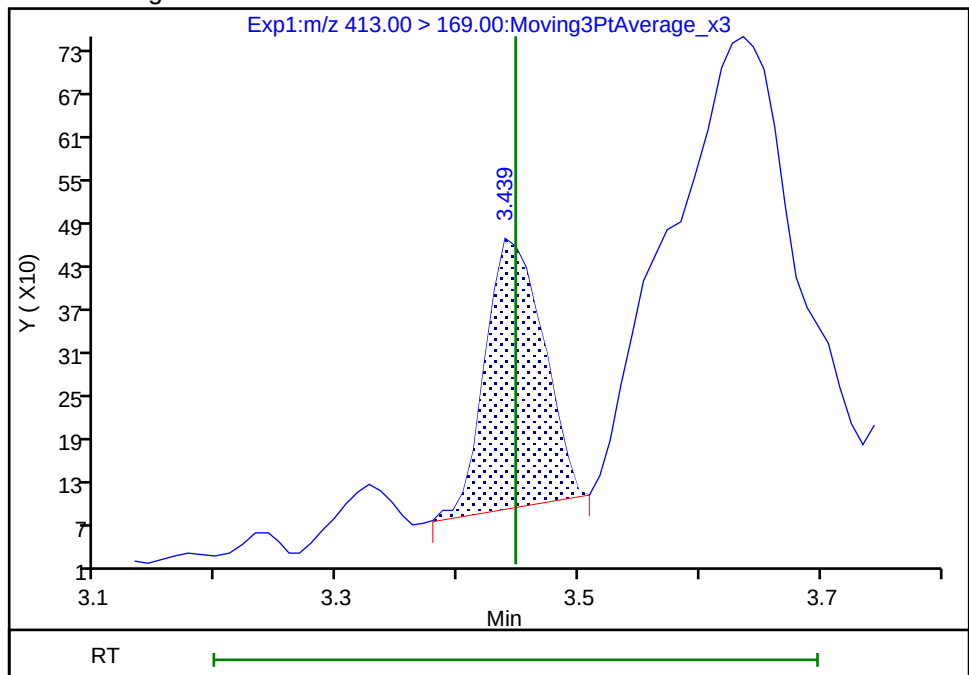
Signal: 2

Not Detected
Expected RT: 3.45

Processing Integration Results



Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:15:56

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

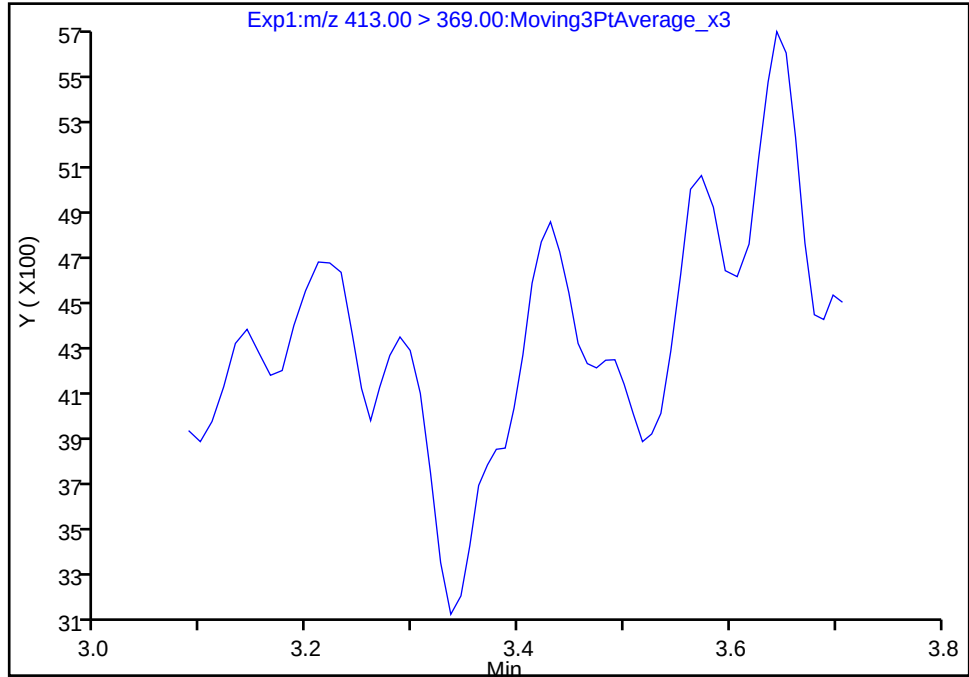
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A06.d
Injection Date: 30-Nov-2022 09:57:29 Instrument ID: LC812
Lims ID: MB 200-186147/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

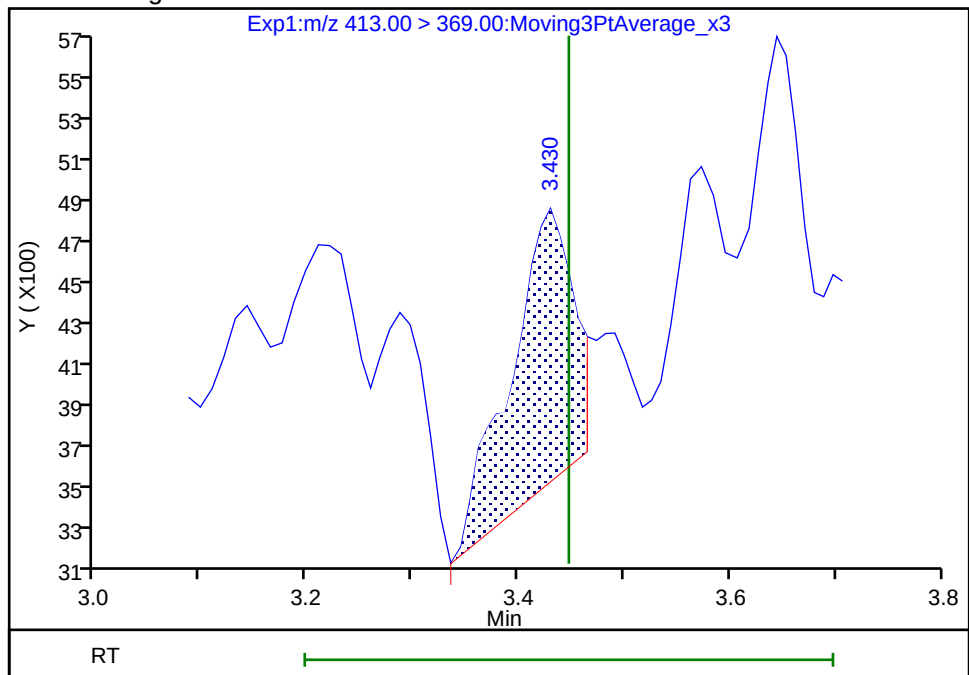
Not Detected
Expected RT: 3.45

Processing Integration Results



Manual Integration Results

RT: 3.43
Area: 5196
Amount: 0.002984
Amount Units: ng/ml



Reviewer: khanphomeea, 01-Dec-2022 10:15:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

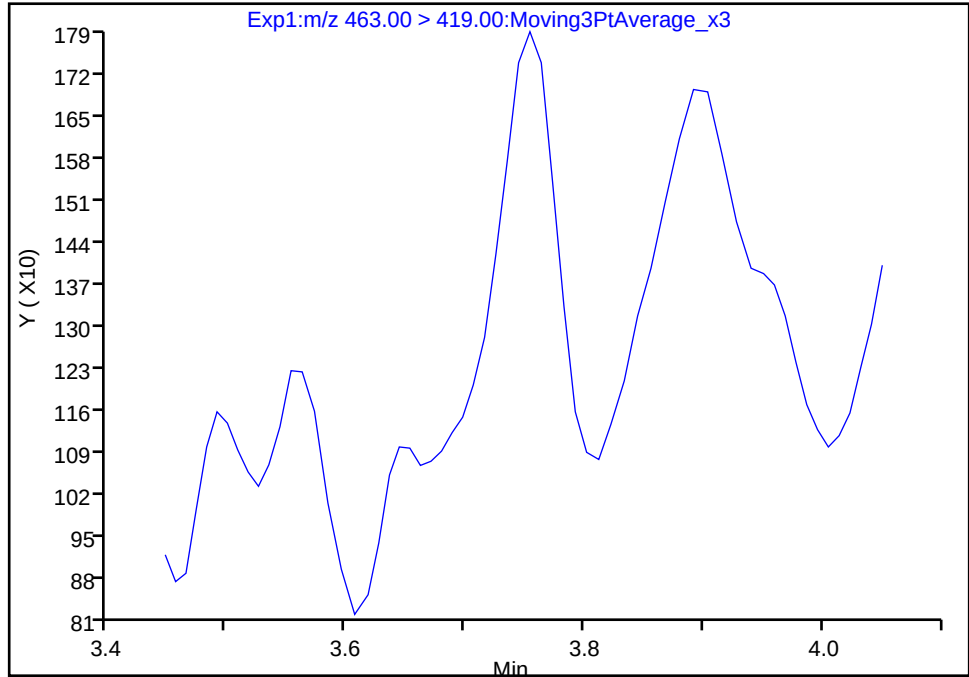
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A06.d
Injection Date: 30-Nov-2022 09:57:29 Instrument ID: LC812
Lims ID: MB 200-186147/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

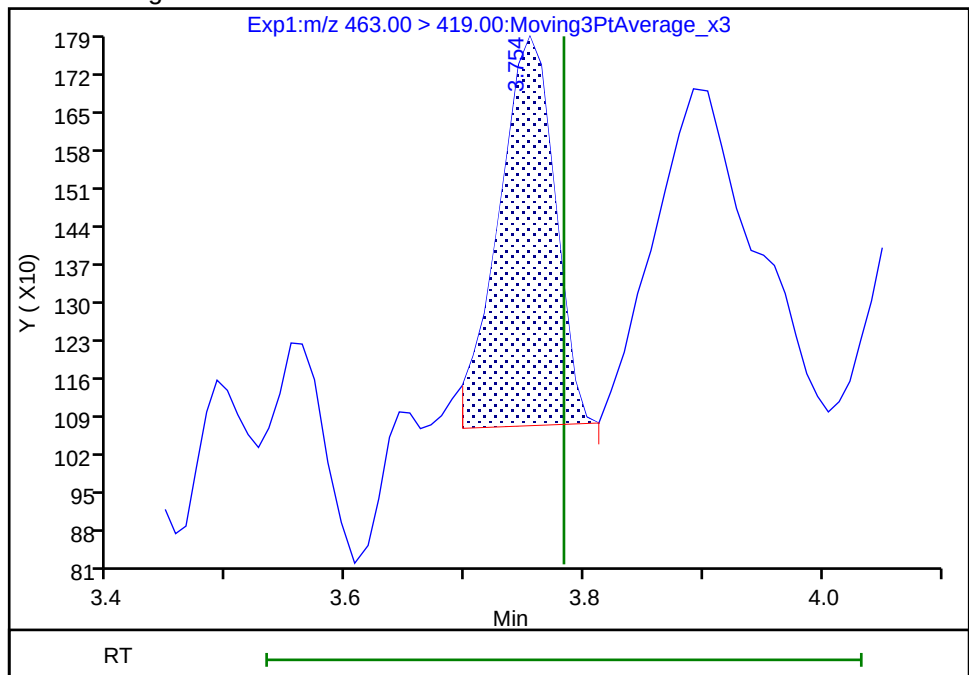
Signal: 1

Not Detected
Expected RT: 3.78

Processing Integration Results



Manual Integration Results



RT: 3.75
Area: 2355
Amount: 0.001315
Amount Units: ng/ml

Reviewer: khanphomeea, 01-Dec-2022 10:16:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

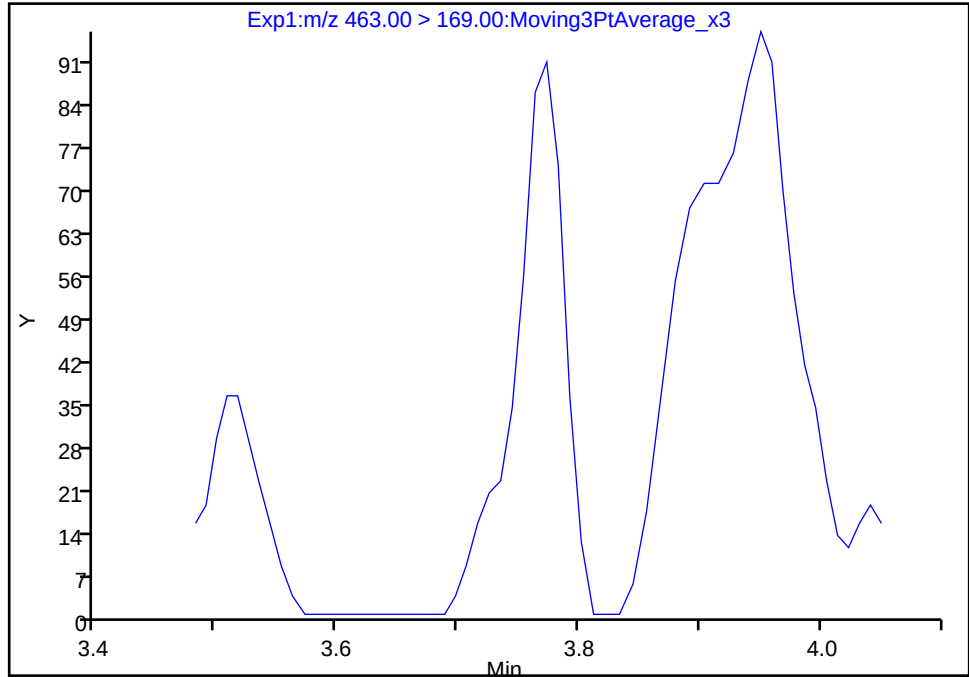
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A06.d
Injection Date: 30-Nov-2022 09:57:29 Instrument ID: LC812
Lims ID: MB 200-186147/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

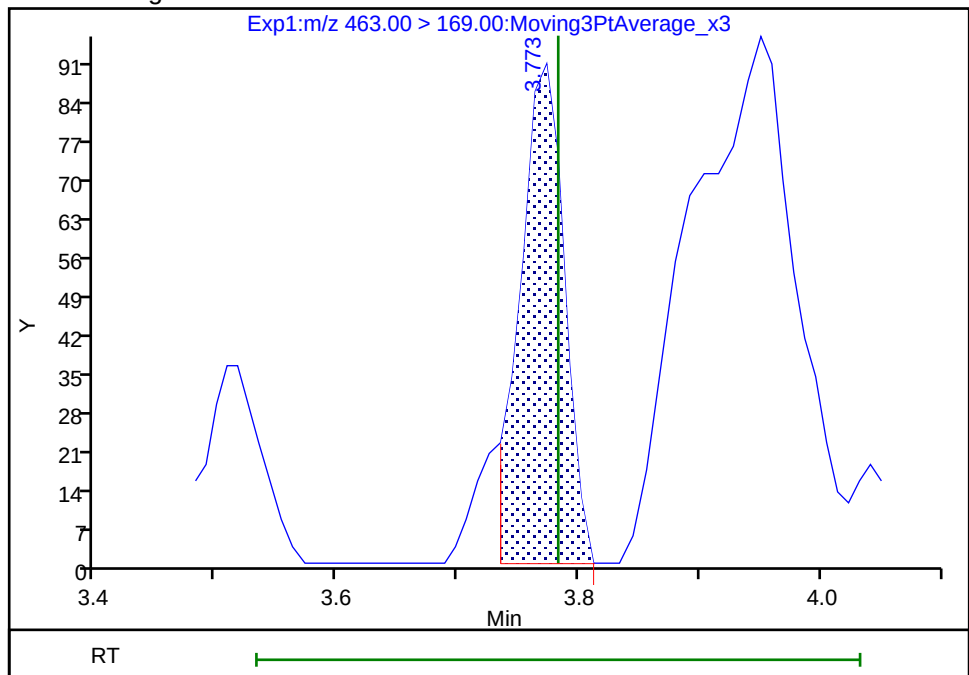
Not Detected
Expected RT: 3.78

Processing Integration Results



Manual Integration Results

RT: 3.77
Area: 229
Amount: 0.001315
Amount Units: ng/ml



Reviewer: khanphomeea, 01-Dec-2022 10:16:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A06.d

Injection Date: 30-Nov-2022 09:57:29

Instrument ID: LC812

Lims ID: MB 200-186147/1-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 6

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

EXP1

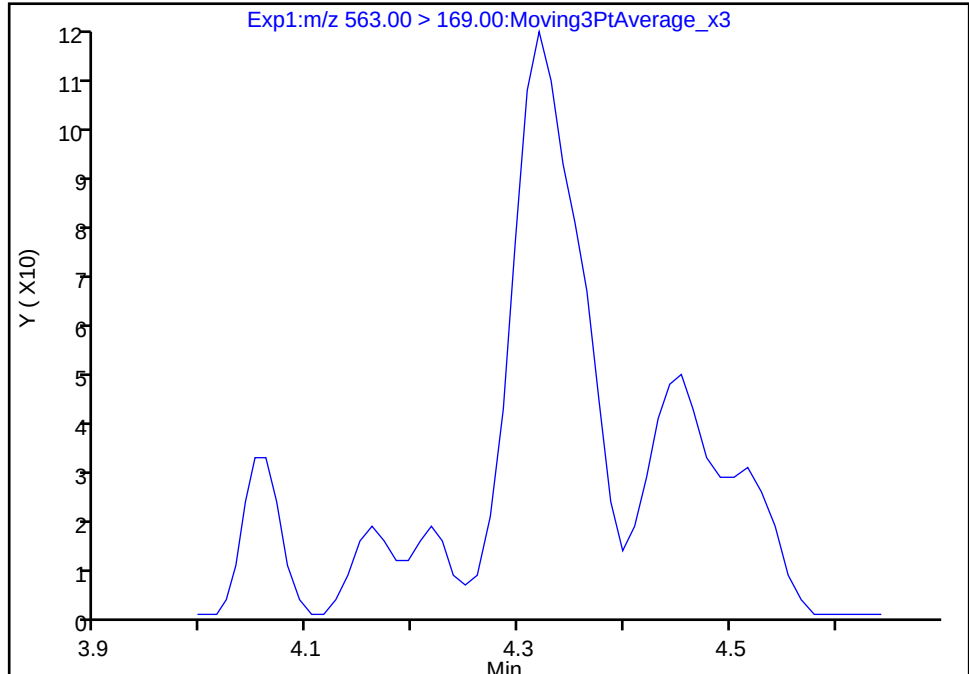
31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

Not Detected

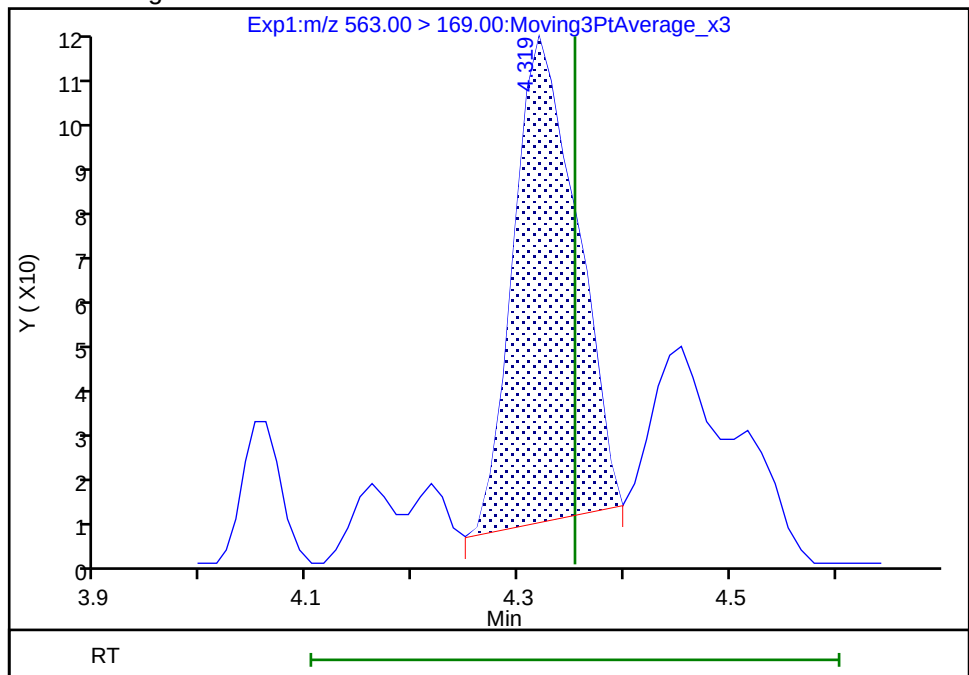
Expected RT: 4.35

Processing Integration Results



Manual Integration Results

RT: 4.32
Area: 457
Amount: 0.002414
Amount Units: ng/ml



Reviewer: khanphomeea, 01-Dec-2022 10:17:50

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

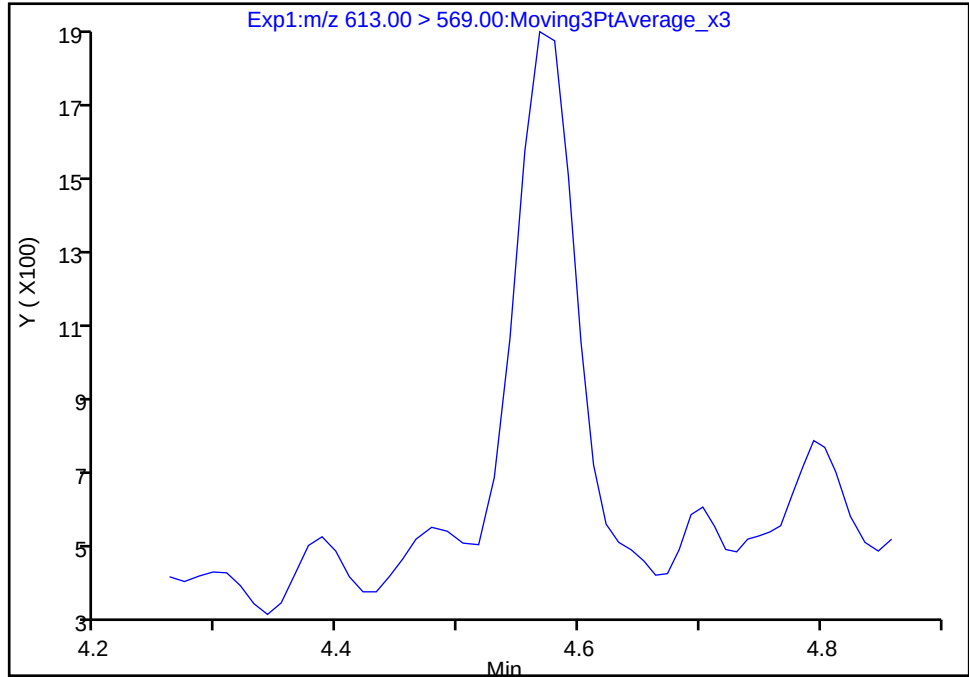
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A06.d
Injection Date: 30-Nov-2022 09:57:29 Instrument ID: LC812
Lims ID: MB 200-186147/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

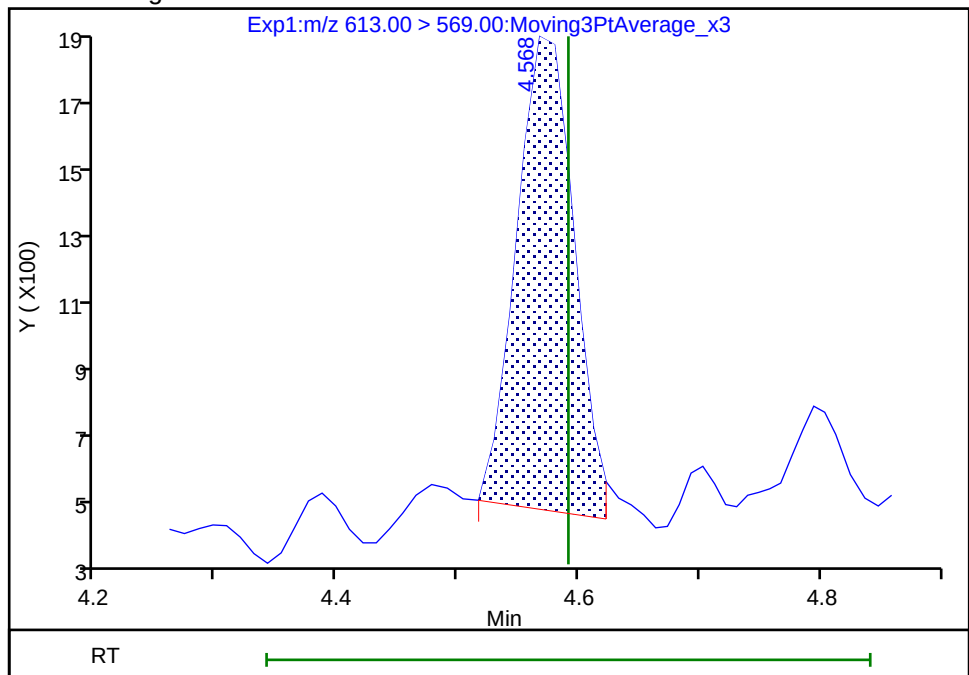
Signal: 1

Not Detected
Expected RT: 4.59

Processing Integration Results



Manual Integration Results



RT: 4.57
Area: 4378
Amount: 0.002896
Amount Units: ng/ml

Reviewer: khanphomeea, 01-Dec-2022 10:18:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

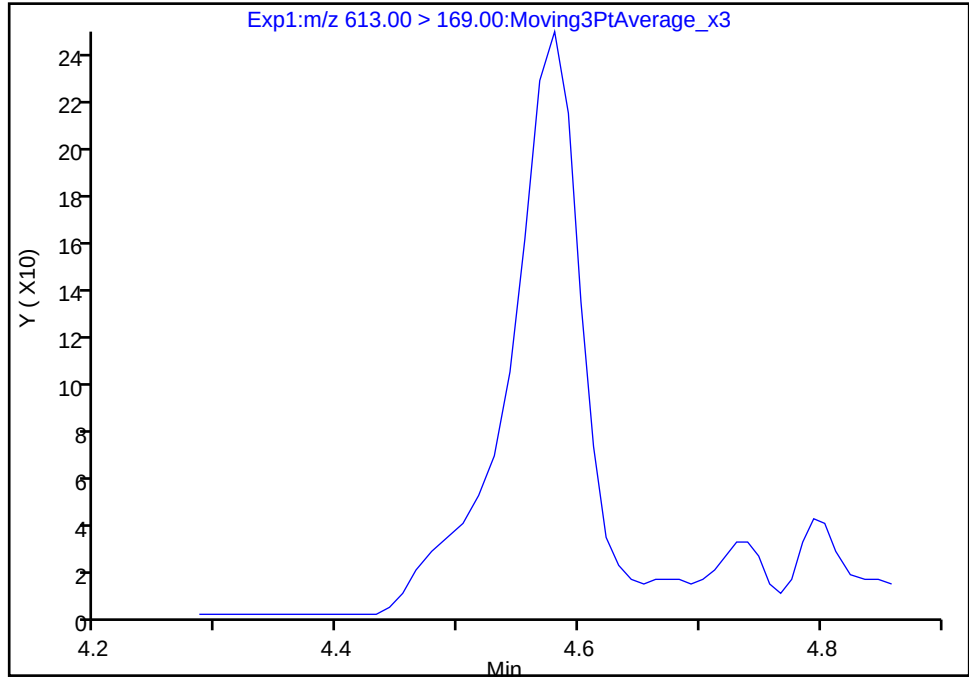
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A06.d
Injection Date: 30-Nov-2022 09:57:29 Instrument ID: LC812
Lims ID: MB 200-186147/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

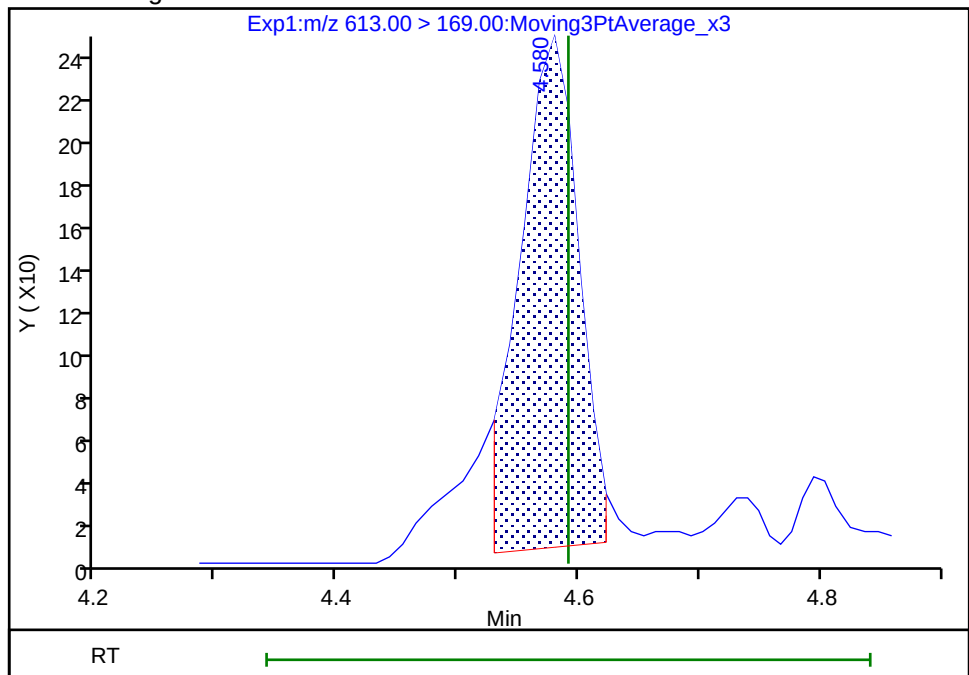
Not Detected
Expected RT: 4.59

Processing Integration Results



Manual Integration Results

RT: 4.58
Area: 809
Amount: 0.002896
Amount Units: ng/ml



Reviewer: khanphomeea, 01-Dec-2022 10:18:14

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A06.d

Injection Date: 30-Nov-2022 09:57:29

Instrument ID: LC812

Lims ID: MB 200-186147/1-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 6

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

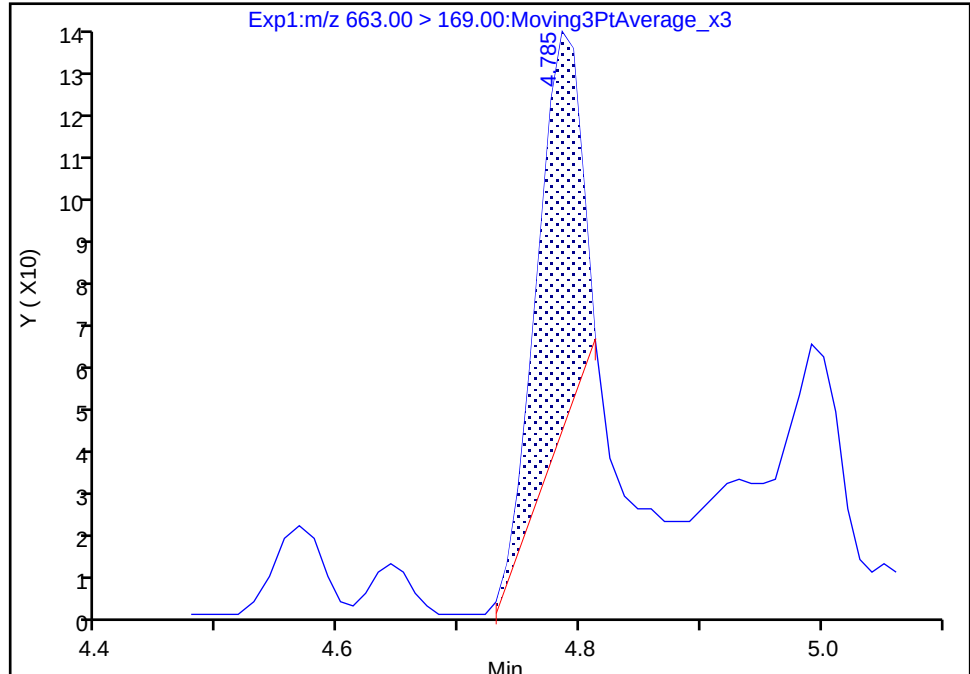
EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

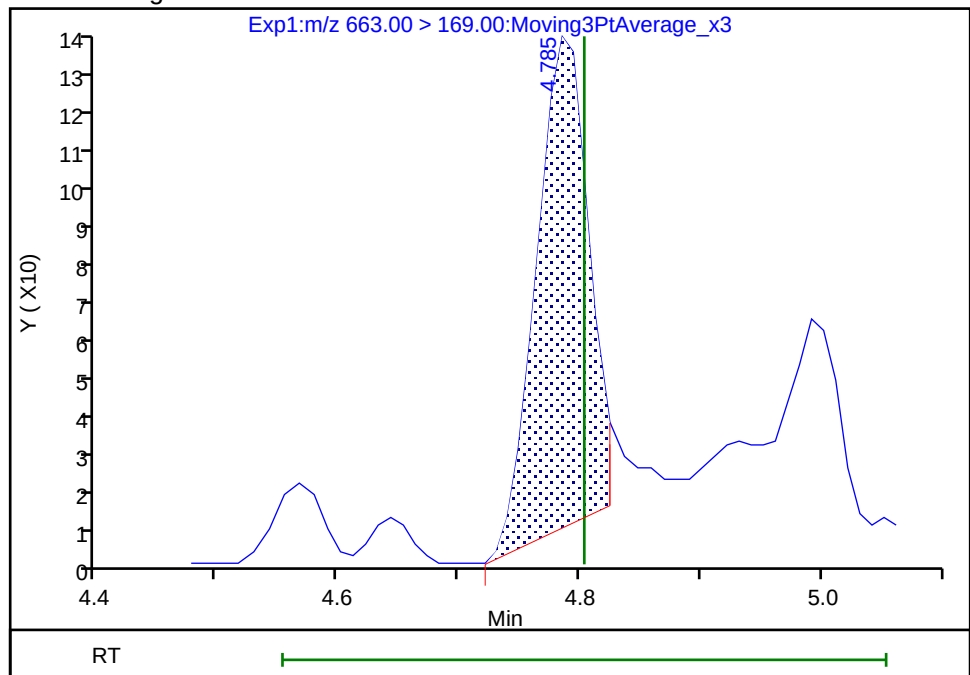
RT: 4.79
Area: 232
Amount: 0.001038
Amount Units: ng/ml

Processing Integration Results



RT: 4.79
Area: 383
Amount: 0.001038
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:18:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A06.d

Injection Date: 30-Nov-2022 09:57:29

Instrument ID: LC812

Lims ID: MB 200-186147/1-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 6

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

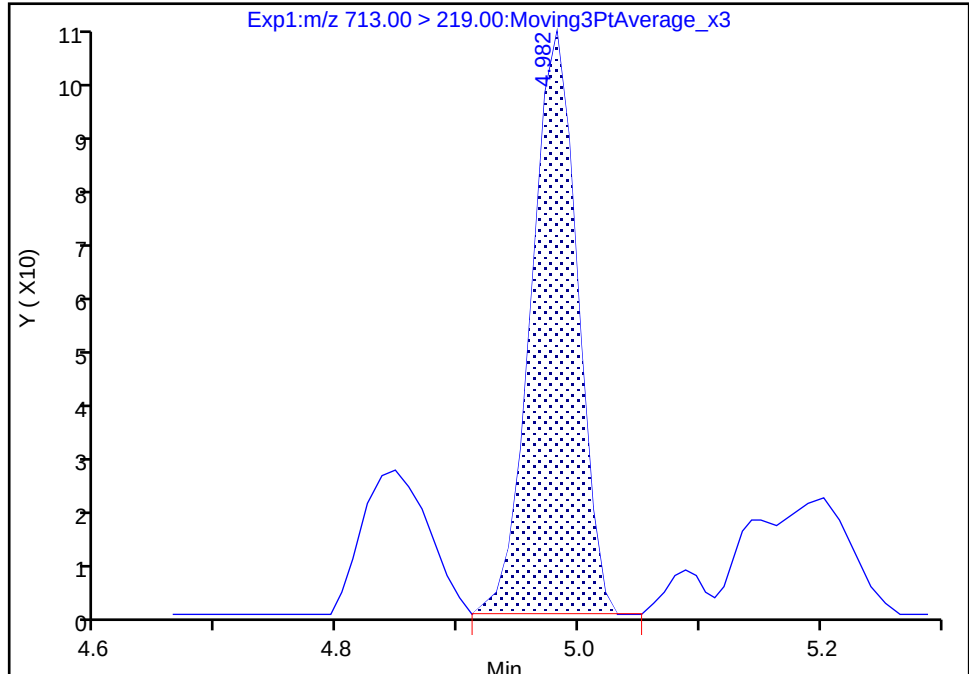
EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

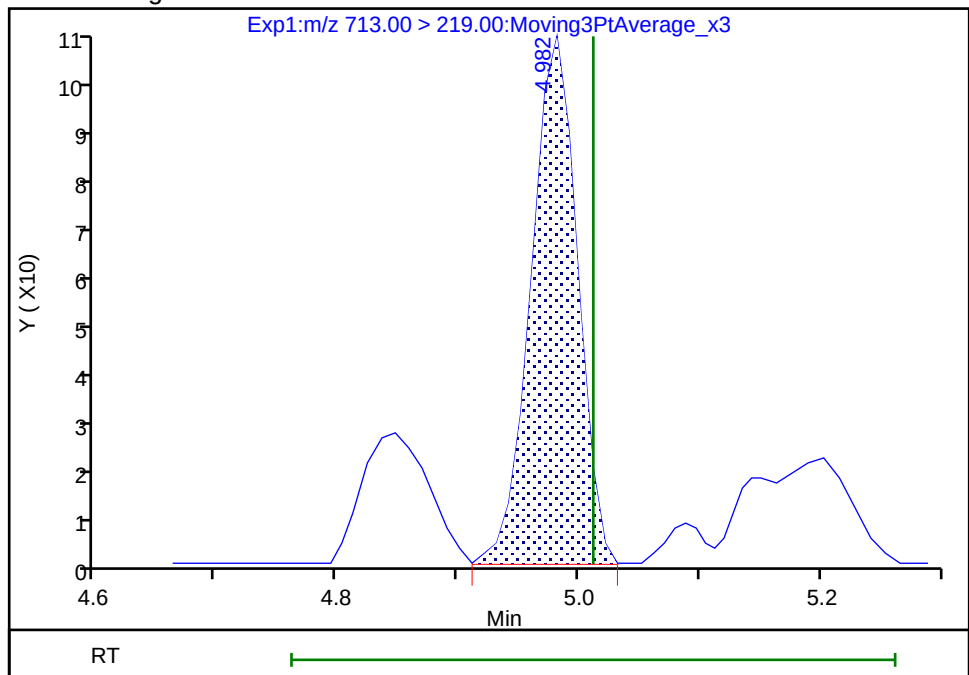
RT: 4.98
Area: 279
Amount: 0.002259
Amount Units: ng/ml

Processing Integration Results



RT: 4.98
Area: 279
Amount: 0.002259
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:18:48

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

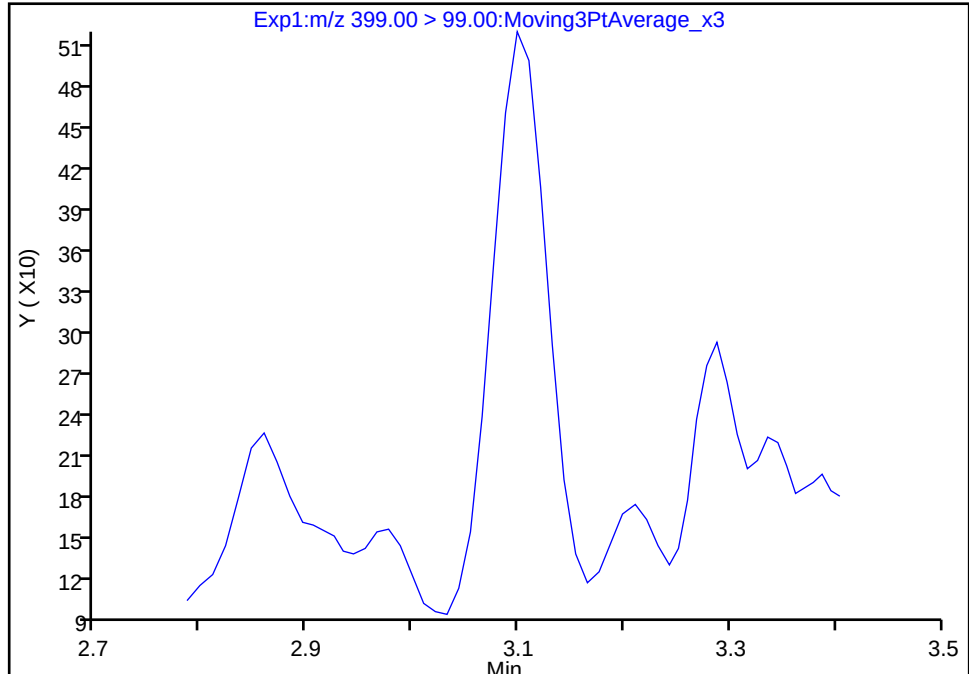
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A06.d
Injection Date: 30-Nov-2022 09:57:29 Instrument ID: LC812
Lims ID: MB 200-186147/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

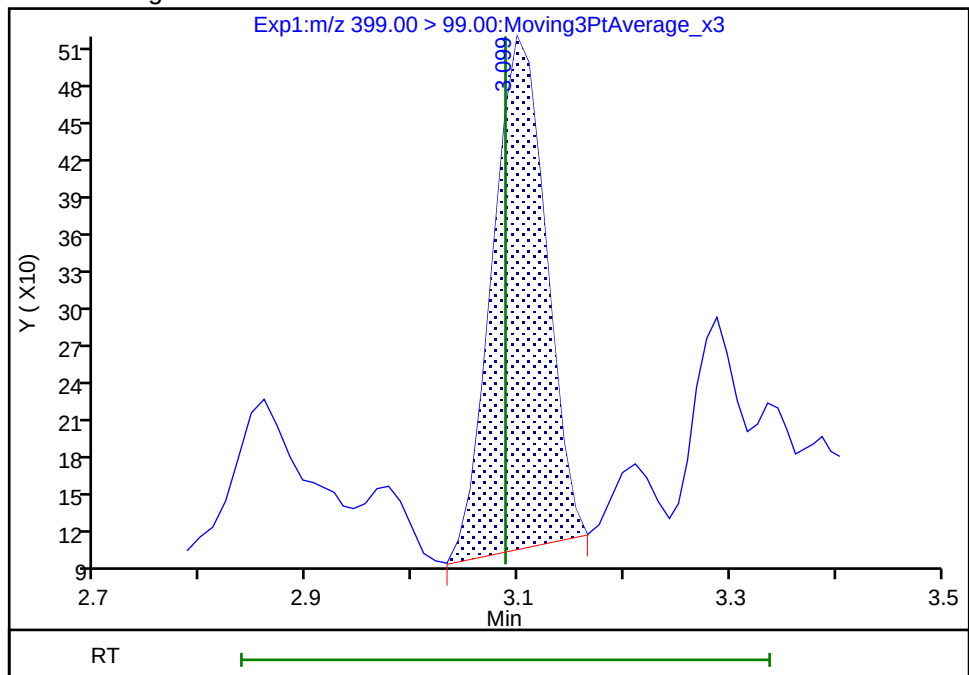
Not Detected
Expected RT: 3.09

Processing Integration Results



Manual Integration Results

RT: 3.10
Area: 1457
Amount: 0.003400
Amount Units: ng/ml



Reviewer: khanphomeea, 01-Dec-2022 10:14:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

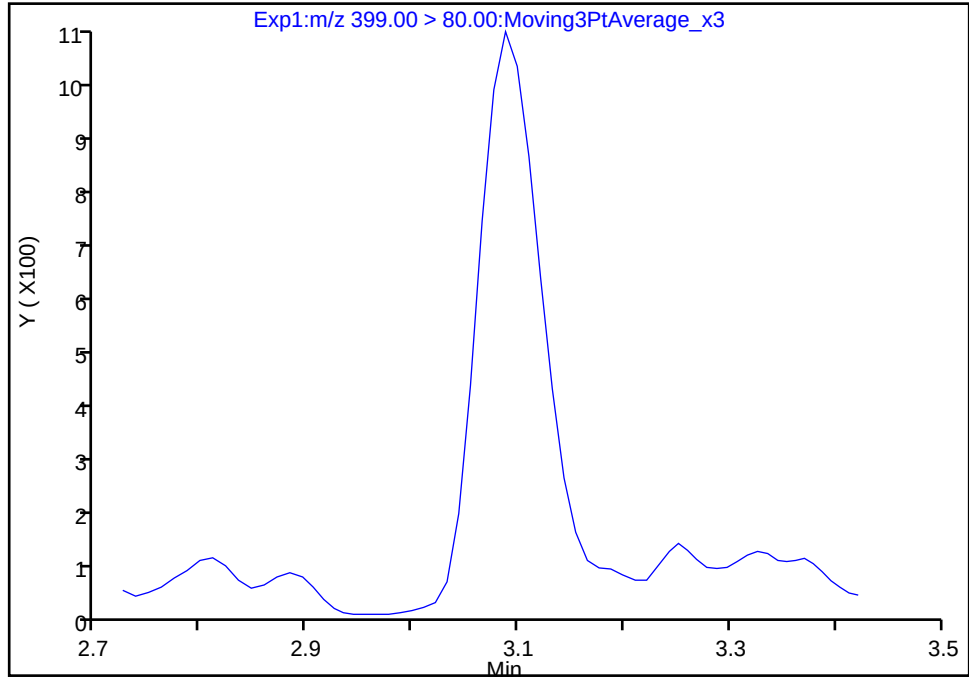
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A06.d
Injection Date: 30-Nov-2022 09:57:29 Instrument ID: LC812
Lims ID: MB 200-186147/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

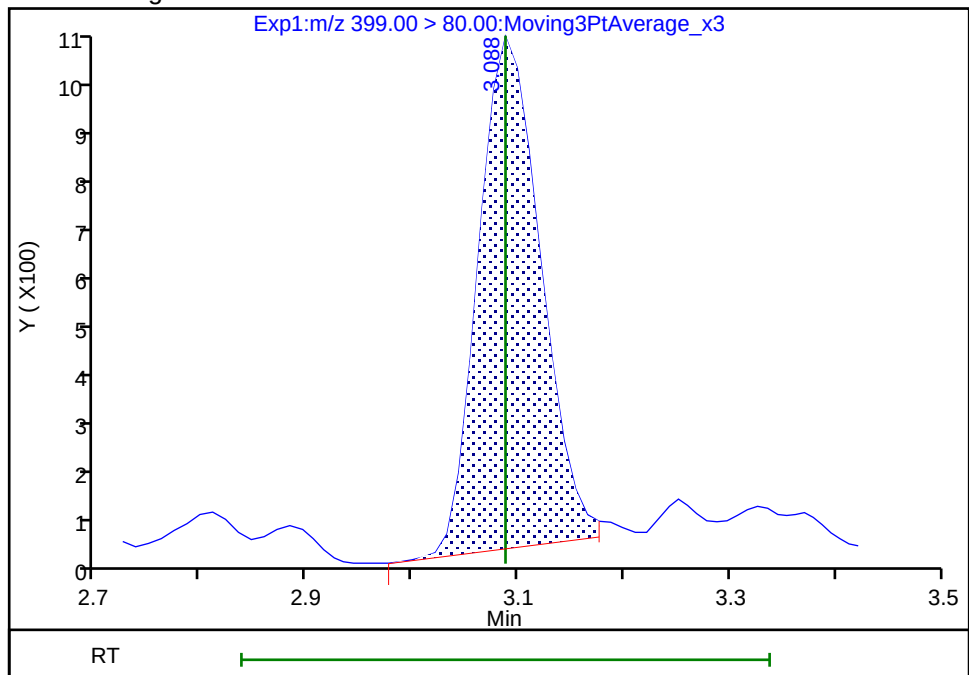
Not Detected
Expected RT: 3.09

Processing Integration Results



Manual Integration Results

RT: 3.09
Area: 4361
Amount: 0.003400
Amount Units: ng/ml



Reviewer: khanphomeea, 01-Dec-2022 10:15:03

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A06.d

Injection Date: 30-Nov-2022 09:57:29

Instrument ID: LC812

Lims ID: MB 200-186147/1-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 6

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

EXP1

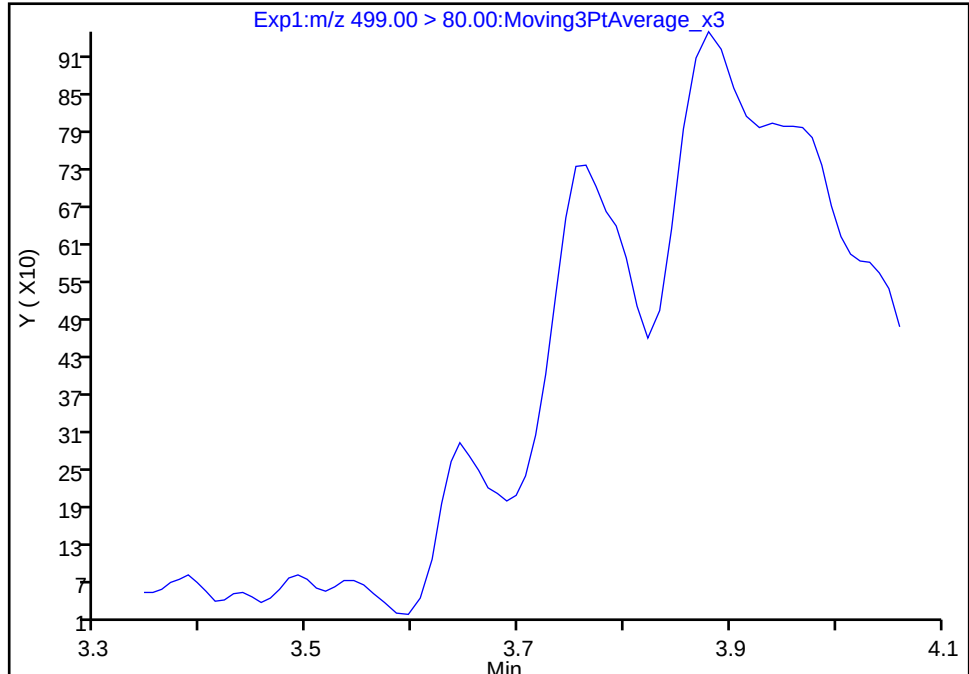
17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

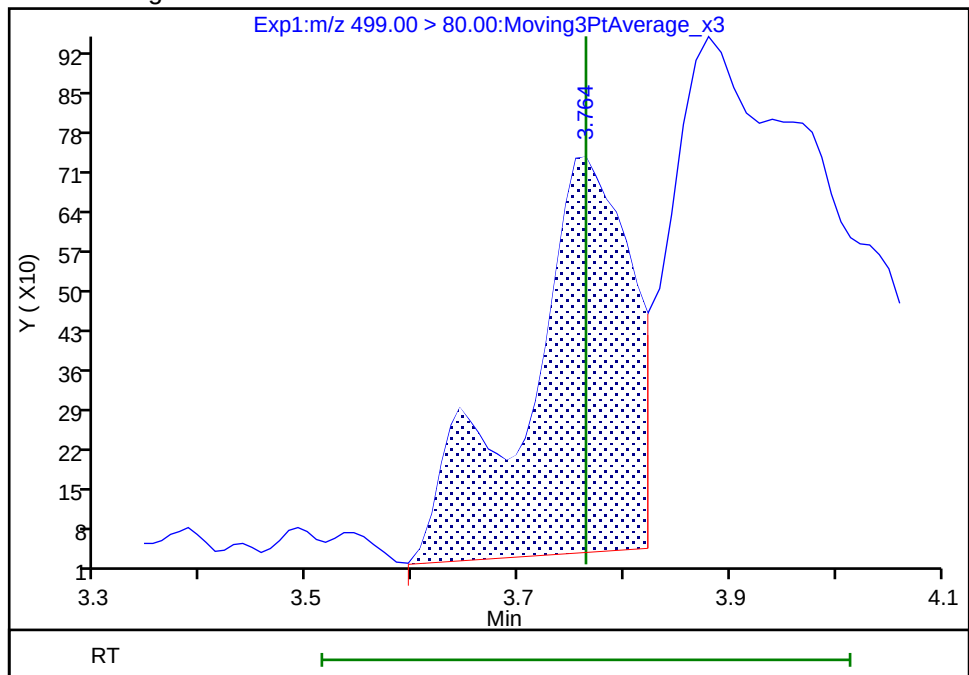
Not Detected

Expected RT: 3.76

Processing Integration Results



Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:16:08

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

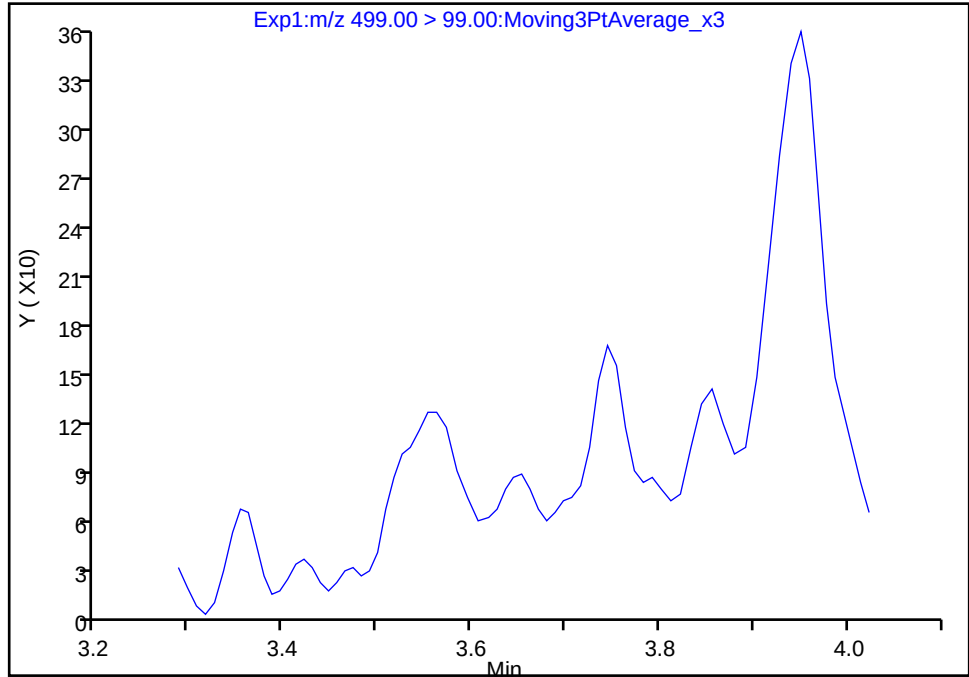
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A06.d
Injection Date: 30-Nov-2022 09:57:29 Instrument ID: LC812
Lims ID: MB 200-186147/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

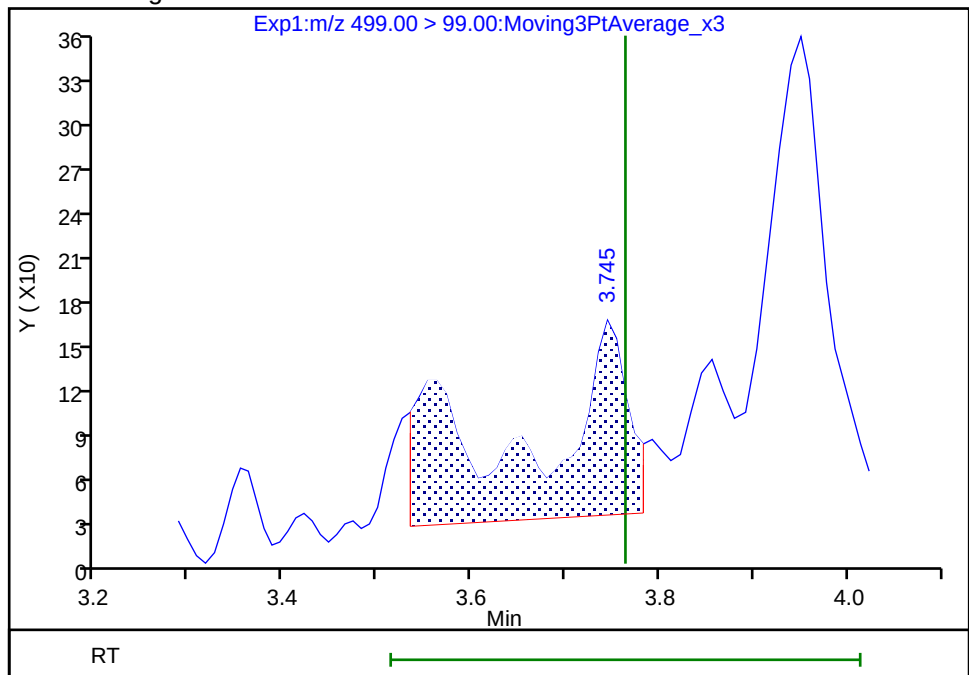
Not Detected
Expected RT: 3.76

Processing Integration Results



Manual Integration Results

RT: 3.74
Area: 920
Amount: 0.005232
Amount Units: ng/ml



Reviewer: khanphomeea, 01-Dec-2022 10:16:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 695 of 900

12/2/2022 2:28
PM

Eurofins Burlington

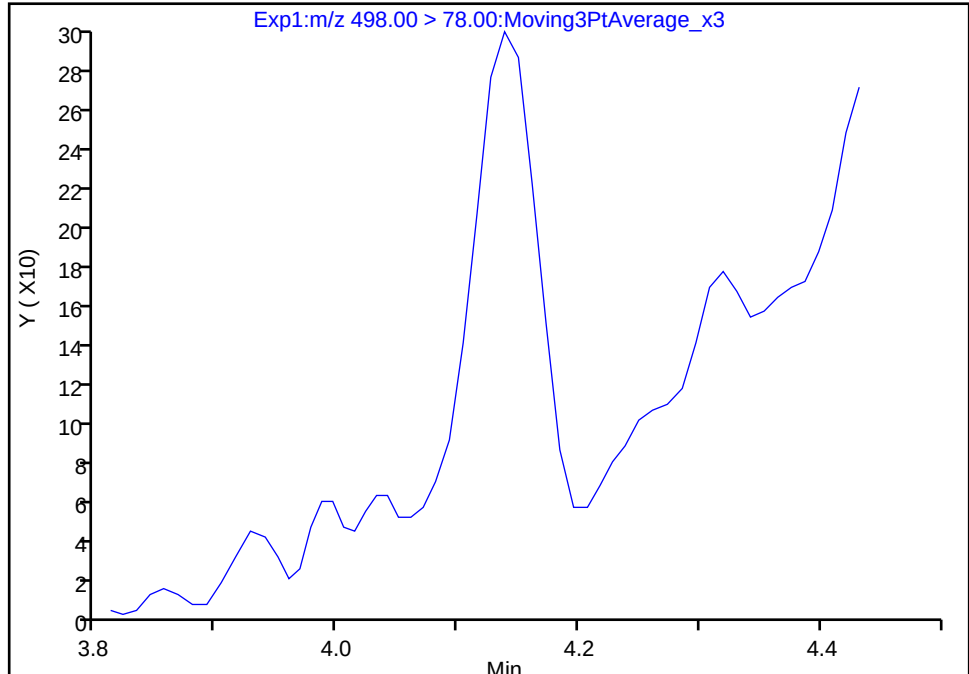
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A06.d
Injection Date: 30-Nov-2022 09:57:29 Instrument ID: LC812
Lims ID: MB 200-186147/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

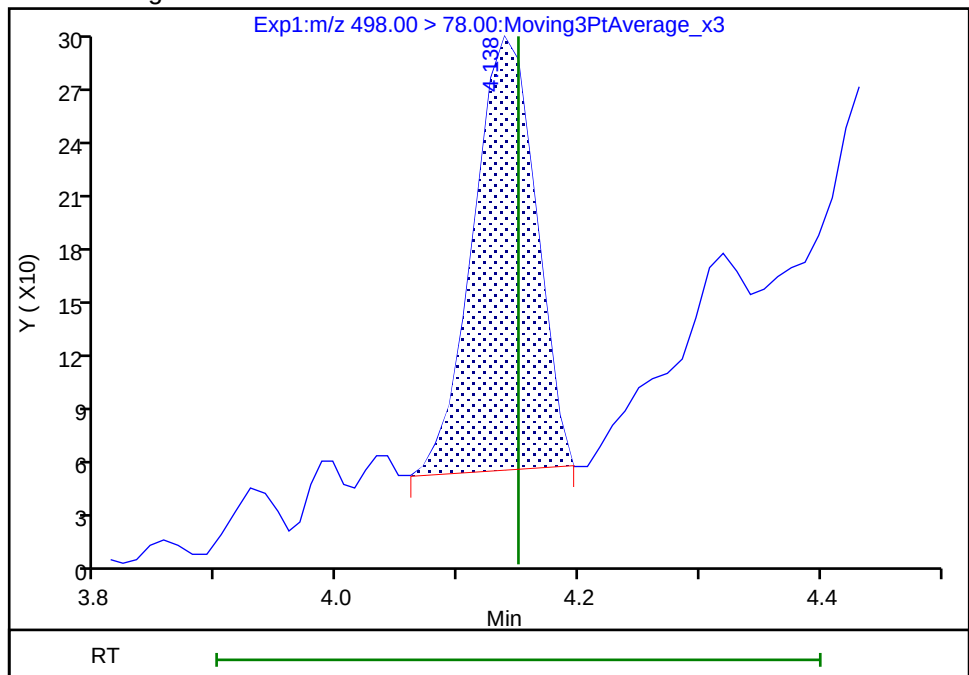
Signal: 1

Not Detected
Expected RT: 4.15

Processing Integration Results



Manual Integration Results



RT: 4.14
Area: 873
Amount: 0.000586
Amount Units: ng/ml

Reviewer: khanphomeea, 01-Dec-2022 10:17:34

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A06.d

Injection Date: 30-Nov-2022 09:57:29

Instrument ID: LC812

Lims ID: MB 200-186147/1-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 6

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

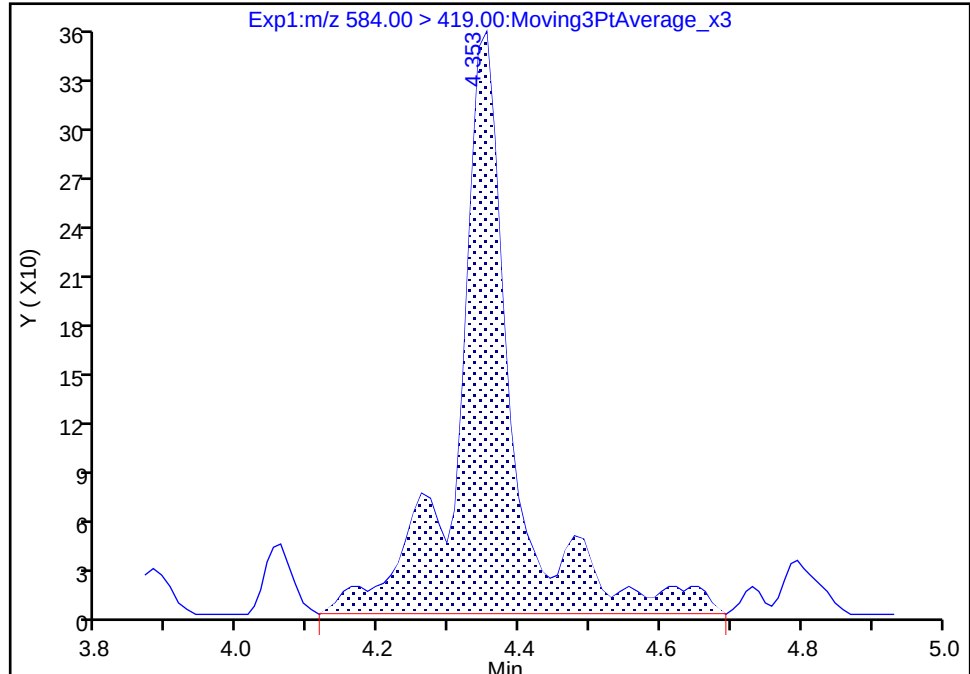
EXP1

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

Signal: 1

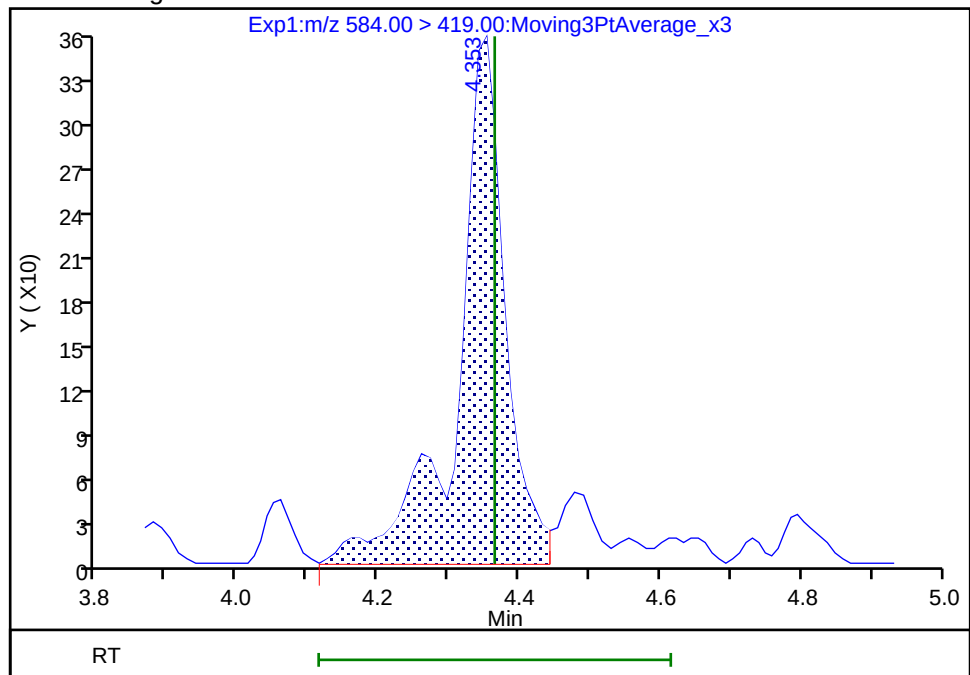
RT: 4.35
Area: 1968
Amount: 0.006467
Amount Units: ng/ml

Processing Integration Results



RT: 4.35
Area: 1681
Amount: 0.005524
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:17:54

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

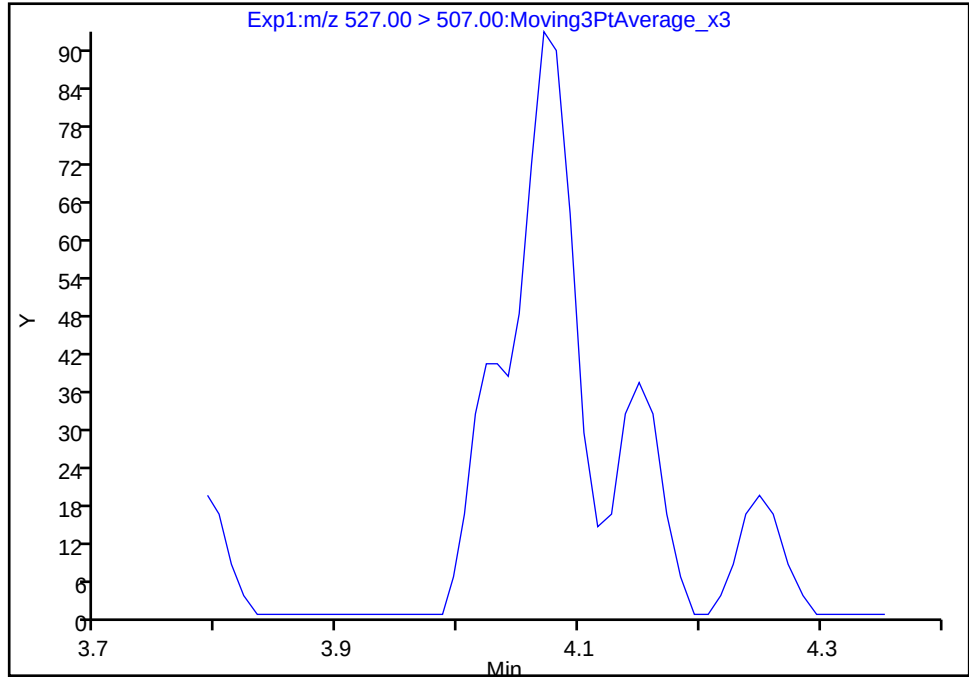
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A06.d
Injection Date: 30-Nov-2022 09:57:29 Instrument ID: LC812
Lims ID: MB 200-186147/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

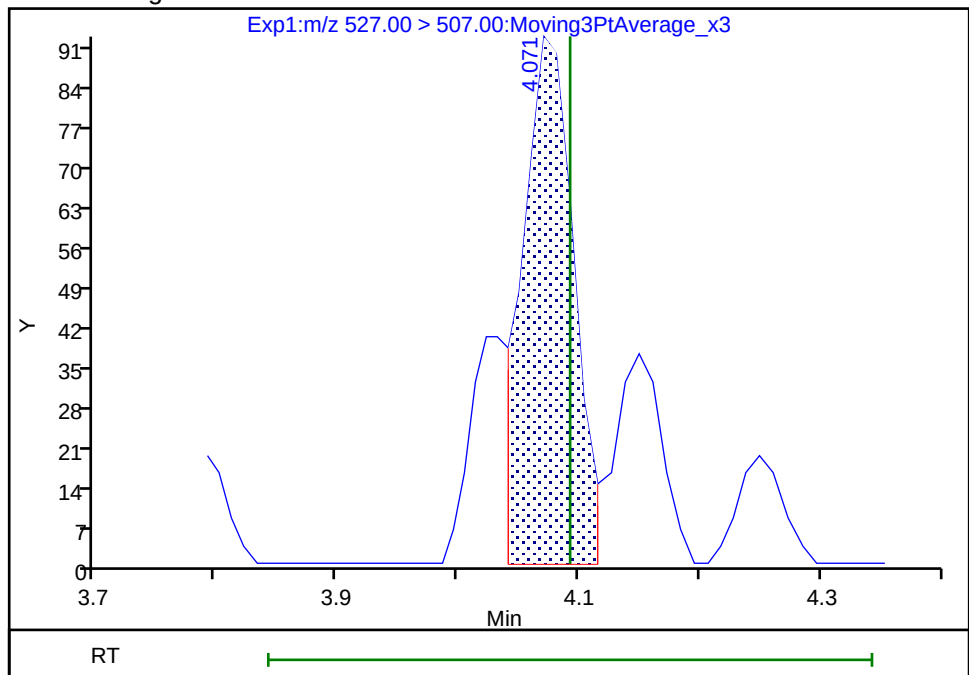
Not Detected
Expected RT: 4.09

Processing Integration Results



Manual Integration Results

RT: 4.07
Area: 266
Amount: 0.000682
Amount Units: ng/ml



Reviewer: khanphomeea, 01-Dec-2022 10:17:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A06.d

Injection Date: 30-Nov-2022 09:57:29

Instrument ID: LC812

Lims ID: MB 200-186147/1-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

3

Worklist Smp#: 6

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

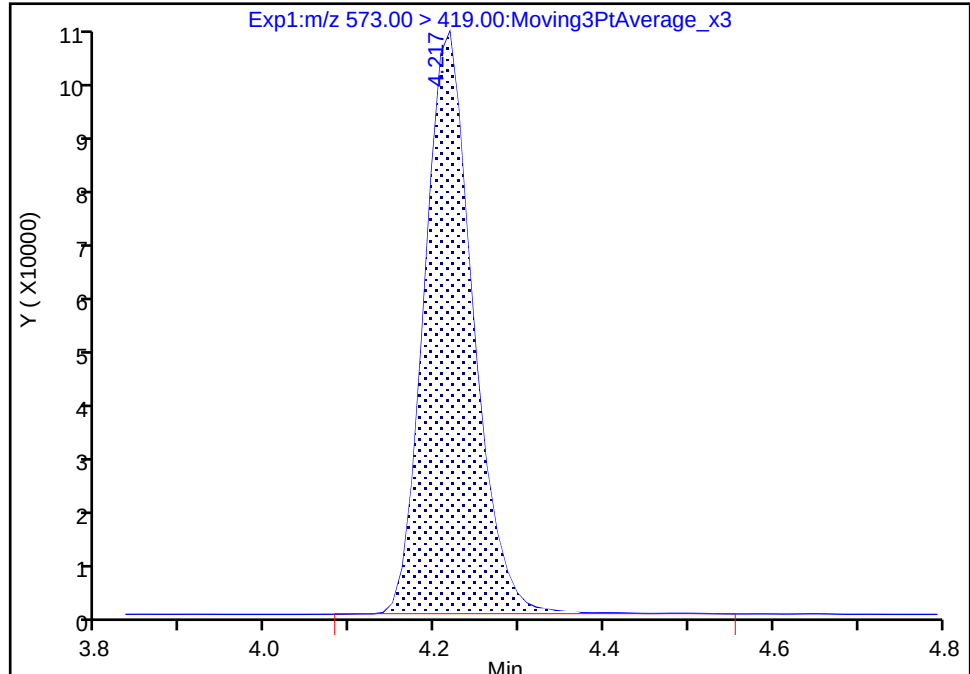
Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

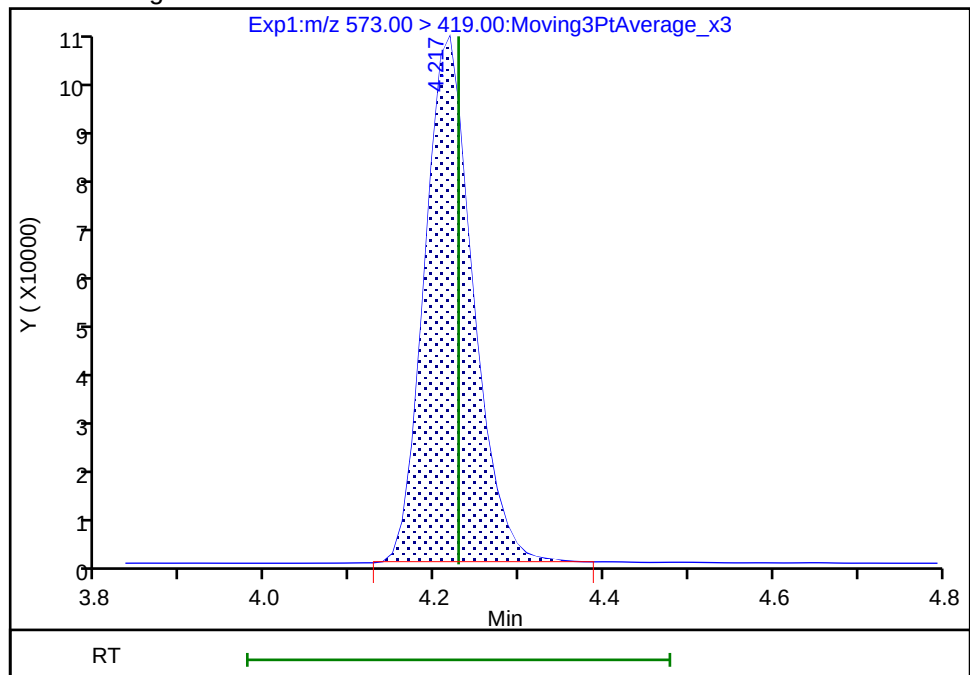
RT: 4.22
Area: 436423
Amount: 1.157836
Amount Units: ng/ml

Processing Integration Results



RT: 4.22
Area: 432725
Amount: 1.148026
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:14:07

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-269761-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: CCB 200-186193/4

Matrix: Solid Lab File ID: PA221130A04.d

Analysis Method: 537 (modified) Date Collected: _____

Extraction Method: _____ Date Extracted: _____

Sample wt/vol: 1 (mL) Date Analyzed: 11/30/2022 09:41

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.: 186193 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.: 460-269761-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: CCB 200-186193/4
 Matrix: Solid Lab File ID: PA221130A04.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: _____ Date Extracted: _____
 Sample wt/vol: 1 (mL) Date Analyzed: 11/30/2022 09:41
 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.: 186193 Units: ng/mL

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	107		50-150
STL01892	13C4 PFHpA	98		50-150
STL00990	13C4 PFOA	102		50-150
STL00991	13C4 PFOS	106		50-150
STL00995	13C5 PFNA	104		50-150
STL00992	13C4 PFBA	99		50-150
STL00993	13C2 PFHxA	99		50-150
STL00996	13C2 PFDA	111		50-150
STL00997	13C2 PFUnA	111		50-150
STL00998	13C2 PFDoA	102		50-150
STL01056	13C8 FOSA	110		50-150
STL01893	13C5 PFPeA	101		50-150
STL02116	13C2 PFTeDA	108		50-150
STL02118	d3-NMeFOSAA	100		50-150
STL02117	d5-NEtFOSAA	105		50-150
STL02279	M2-6:2 FTS	112		50-150
STL02280	M2-8:2 FTS	114		50-150
STL02337	13C3 PFBS	108		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A04.d
 Lims ID: CCB
 Client ID:
 Sample Type: CCB
 Inject. Date: 30-Nov-2022 09:41:06 ALS Bottle#: 1 Worklist Smp#: 4
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: CCB
 Misc. Info.: 200-0053485-004 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 01-Dec-2022 08:23:07 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: CTX1681

First Level Reviewer: khanphomeea

Date: 01-Dec-2022 10:07:28

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	0.607	2638497	1.24		99.4	17281	
D 3 13C5 PFPeA										
267.90 > 223.00	2.388	2.387	0.001	0.695	2045022	1.26		101	3990	
D 47 13C3 PFBS										
301.90 > 80.00	2.402	2.400	0.002	0.699	2209188	1.26		108	379158	
5 Perfluorobutanesulfonic acid										RM
298.90 > 80.00	2.415	2.400	0.015	1.006	1591	0.000732	Target=2.09	2.4		RM
298.90 > 99.00	2.415	2.400	0.015	1.006	4663		0.34(1.04-3.13)	1.0		M
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.692	2.689	0.003	1.000	210	0.000394		2.7		M
D 60 M2-4:2 FTS										
329.00 > 81.00	2.692	2.689	0.003	0.784	201997	1.30		111	223	
D 7 13C2 PFHxA										
315.00 > 270.00	2.728	2.725	0.003	0.794	2087311	1.23		98.5	4468	
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.838	2.835	0.003	1.000	256	0.000763		2.2		M
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.838	2.835	0.003	0.826	397159	1.33		106	2575	
D 11 18O2 PFHxS										
403.00 > 84.00	3.083	3.088	-0.005	0.897	1620227	1.27		107	3901	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.083	3.088	-0.005	1.000	5708	0.003691	Target=3.66	20.9		M
399.00 > 99.00	3.094	3.088	0.006	1.004	2830		2.02(1.83-5.49)	3.1		M
D 9 13C4 PFHpA										
367.00 > 322.00	3.083	3.099	-0.016	0.897	2141155	1.23		98.3	3430	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.083	3.099	-0.016	1.000	1590	0.000853	Target=3.97	0.4		M
363.00 > 169.00	3.105	3.099	0.006	1.007	369		4.31(1.98-5.95)	1.0		M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.426	3.439	-0.013	0.997	286218	1.33		112	876	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.426	3.439	-0.013	1.000	2040	-0.007866		2.7		
D 14 13C4 PFOA										
417.00 > 372.00	3.435	3.448	-0.013	1.000	2494310	1.27		102	4571	
* 62 13C2 PFOA										
415.00 > 370.00	3.435	3.448	-0.013		2366351	1.25		4497		
D 18 13C4 PFOS										
503.00 > 80.00	3.750	3.764	-0.014	1.092	1099935	1.27		106	4654	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.789	3.764	0.025	1.010	6232	0.005567	Target=5.11	3.1		M
499.00 > 99.00	3.760	3.764	-0.004	1.003	1391		4.48(2.55-7.66)	3.0		M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.770	3.783	-0.013	1.000	1762	0.000862	Target=8.55	0.5		M
463.00 > 169.00	3.779	3.783	-0.004	1.003	200		8.81(4.28-12.83)	2.5		M
D 19 13C5 PFNA										
468.00 > 423.00	3.770	3.783	-0.013	1.097	2463589	1.29		104	4339	
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.910	3.928	-0.018	1.043	728	0.000283		5.1		M
D 23 13C2 PFDA										
515.00 > 470.00	4.067	4.081	-0.014	1.184	2703009	1.39		111	5713	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.077	4.093	-0.016	1.187	357108	1.36		114	1452	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.087	4.093	-0.006	1.003	272	0.000564		3.4		M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.133	4.150	-0.017	1.000	633	0.000346		1.9		M
D 21 13C8 FOSA										
506.00 > 78.00	4.133	4.150	-0.017	1.203	2191526	1.38		110	3623	
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.212	4.228	-0.016	1.226	492665	1.25		99.8	1467	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.244	4.228	0.016	1.008	285	-0.0108		1.1		M
D 30 13C2 PFUnA										
565.00 > 520.00	4.337	4.353	-0.016	1.263	2470082	1.39		111	3119	
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.337	4.353	-0.016	1.000	1448	0.000727	Target=9.88	0.8		M
563.00 > 169.00	4.326	4.353	-0.027	0.997	182		7.96(4.94-14.82)	3.2		M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.326	4.365	-0.039	0.995	220	0.000601		2.0		M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.348	4.365	-0.017	1.266	511323	1.31		105	1251	

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A04.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
66 11-Chloroeicosafluoro-3-oxaundec										M
631.00 > 451.00	4.438	4.454	-0.016	1.183	974	0.000246			5.2	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.575	4.591	-0.016	1.332	2313581	1.28		102	3749	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	4.990	5.012	-0.022	1.002	294	0.001267	Target=0.89		4.8	M
713.00 > 219.00	4.990	5.012	-0.022	1.002	341		0.86(0.44-1.33)		4.5	M
D 43 13C2 PFTeDA										
715.00 > 670.00	4.980	5.012	-0.032	1.450	2118108	1.35		108	5679	
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.332	5.367	-0.035	1.000	24741	-0.003856	Target=5.65		2.4	M
813.00 > 169.00	5.332	5.367	-0.035	1.000	4009		6.17(2.82-8.47)		26.9	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.332	5.367	-0.035	1.552	2543472	1.31		105	5082	

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\20221130-53485.b\PA221130A04.d

Injection Date: 30-Nov-2022 09:41:06

Instrument ID: LC812

Lims ID: CCB

Client ID:

Operator ID: lc812tech

ALS Bottle#: 1

Worklist Smp#: 4

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

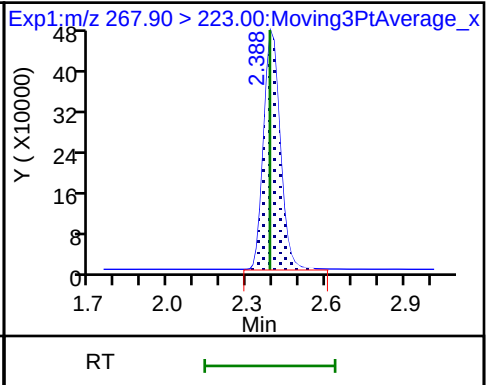
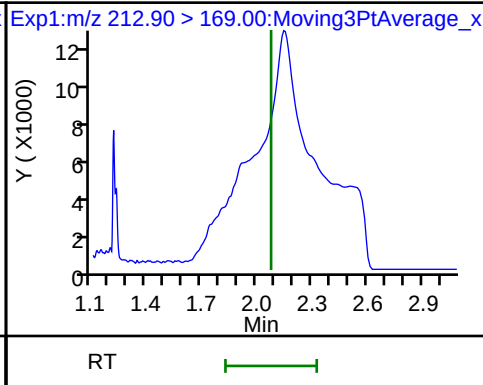
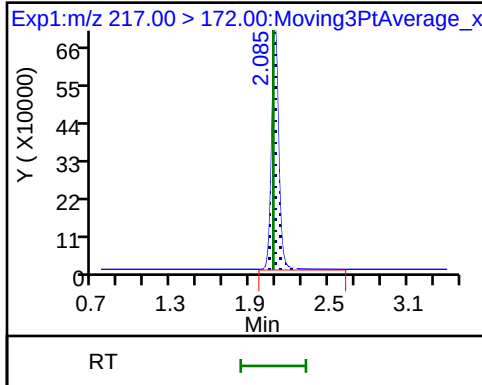
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (ND)

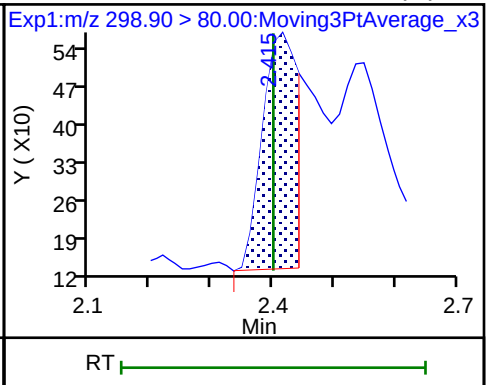
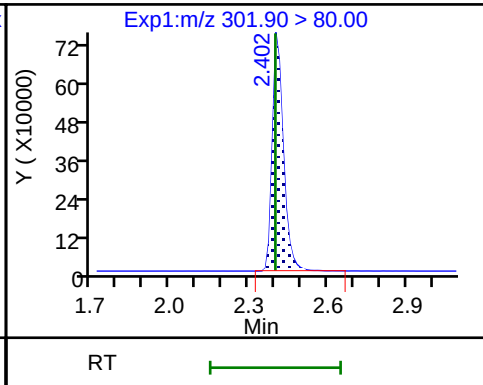
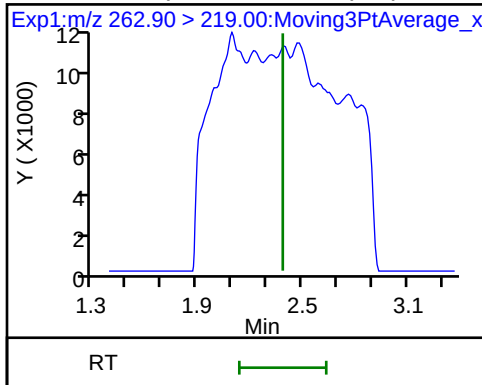
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (ND)

D 47 13C3 PFBS

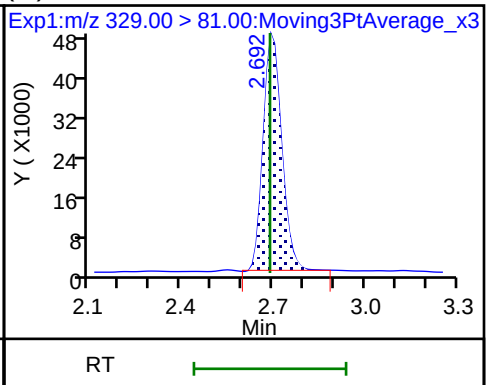
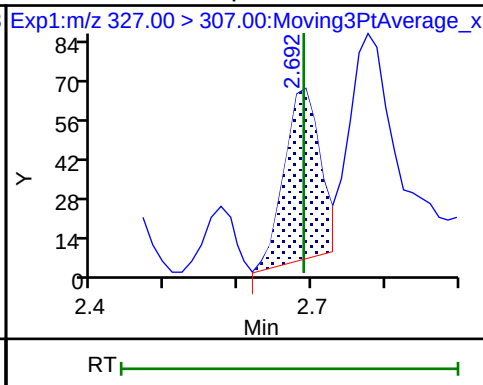
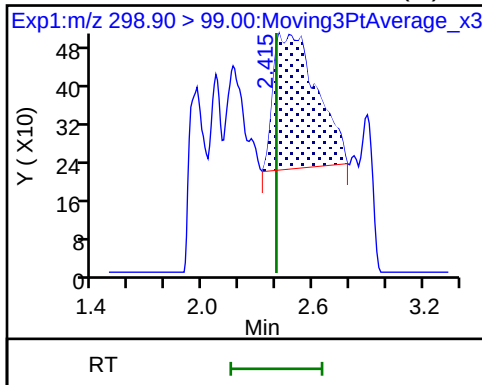
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

61 1H,1H,2H,2H-perfluorohexanesulfonate (M)

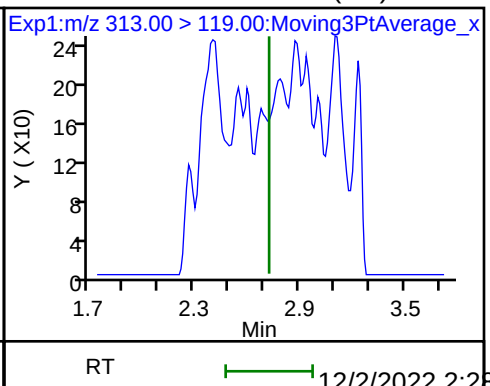
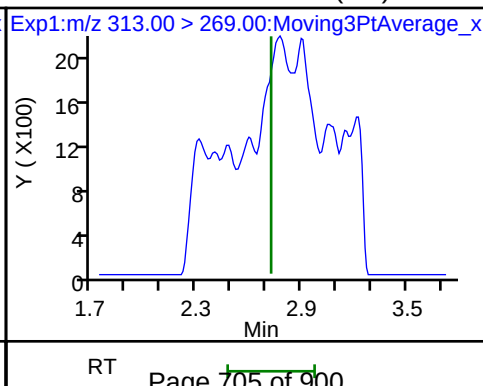
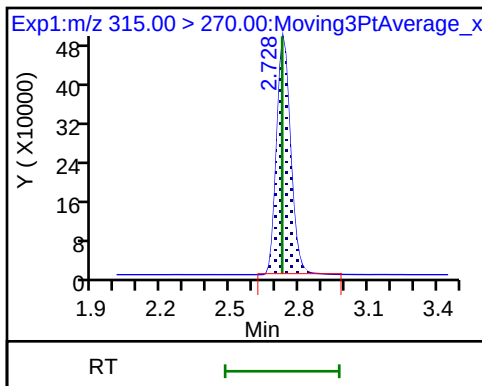
D 50 M2-4:2 FTS



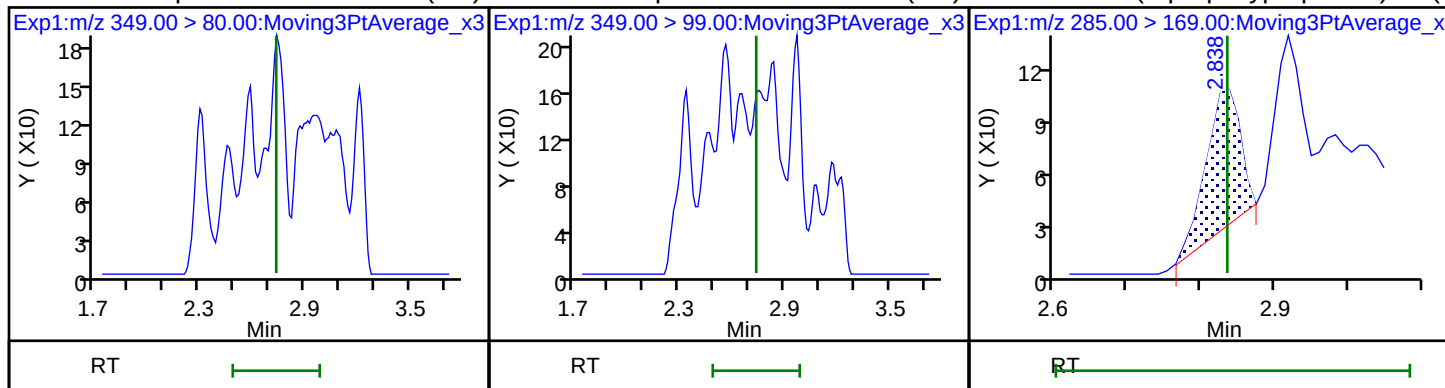
D 7 13C2 PFHxA

6 Perfluorohexanoic acid (ND)

6 Perfluorohexanoic acid (ND)



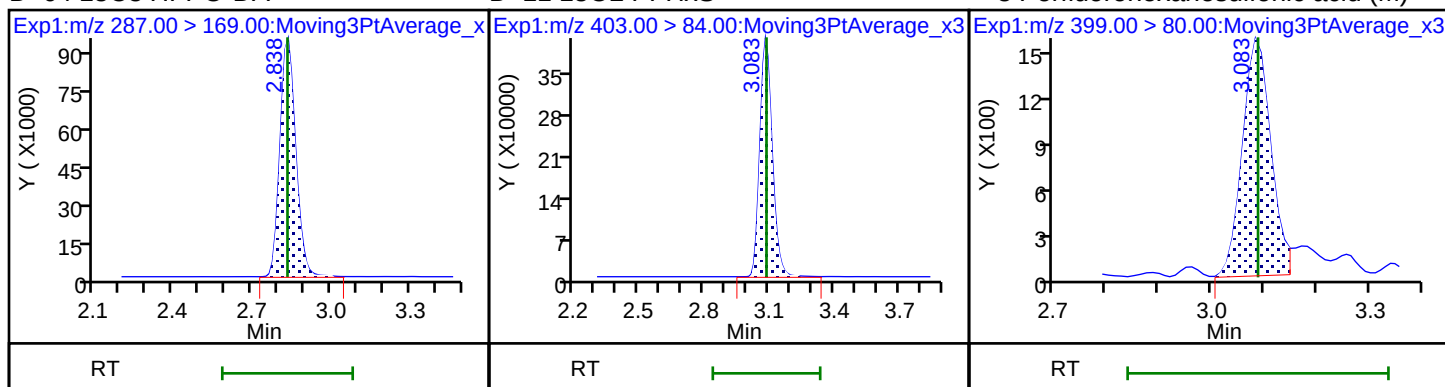
70 Perfluoropentanesulfonic acid (ND) 70 Perfluoropentanesulfonic acid (ND) 67 Perfluoro(2-propoxypropanoic) ac (M)



D 64 13C3 HFPO-DA

D 11 18O2 PFHxS

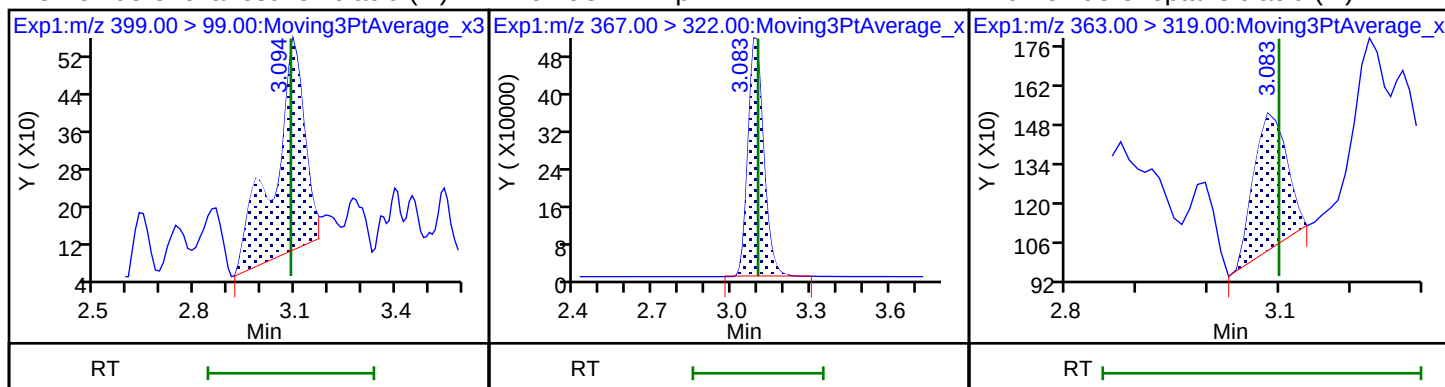
8 Perfluorohexanesulfonic acid (M)



8 Perfluorohexanesulfonic acid (M)

D 9 13C4 PFHpA

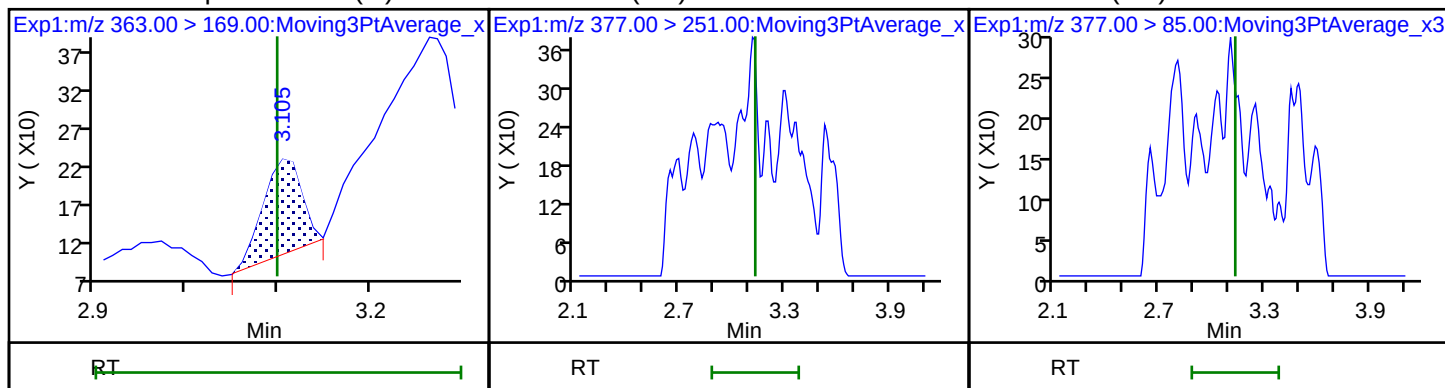
10 Perfluoroheptanoic acid (M)



10 Perfluoroheptanoic acid (M)

77 DONA (ND)

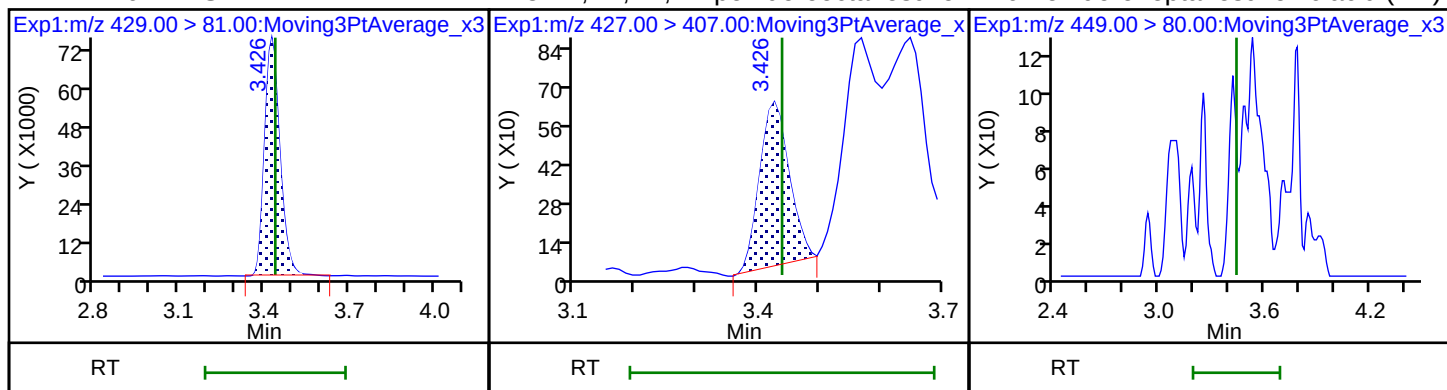
77 DONA (ND)



D 12 M2-6:2 FTS

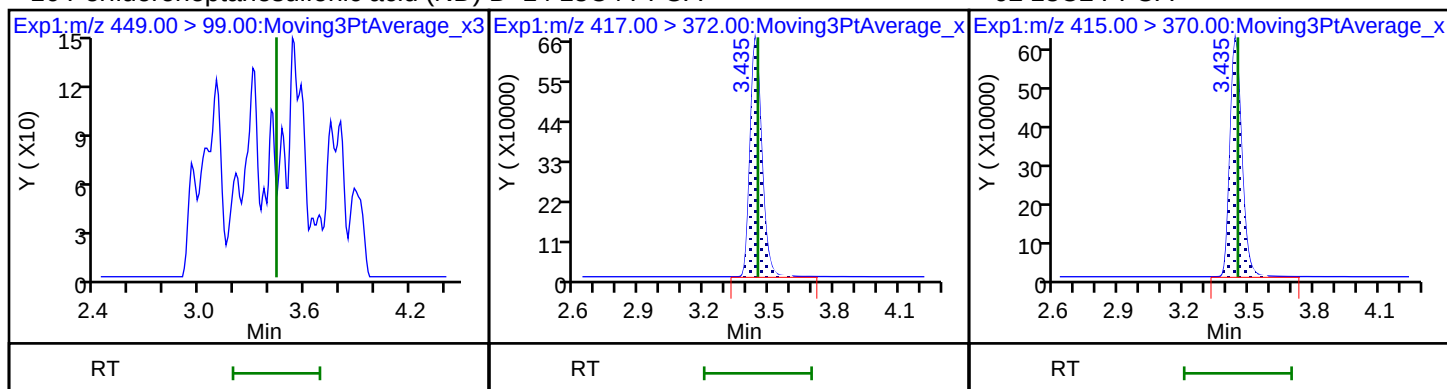
13 1H,1H,2H,2H-perfluorooctanesulfo

16 Perfluoroheptanesulfonic acid (ND)



16 Perfluoroheptanesulfonic acid (ND) D 14 13C4 PFOA

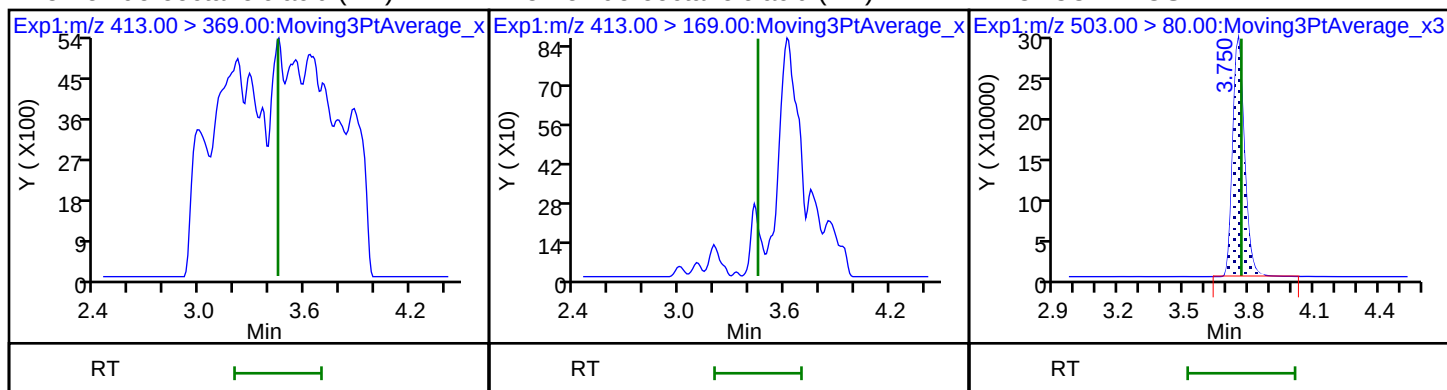
* 62 13C2 PFOA



15 Perfluorooctanoic acid (ND)

15 Perfluorooctanoic acid (ND)

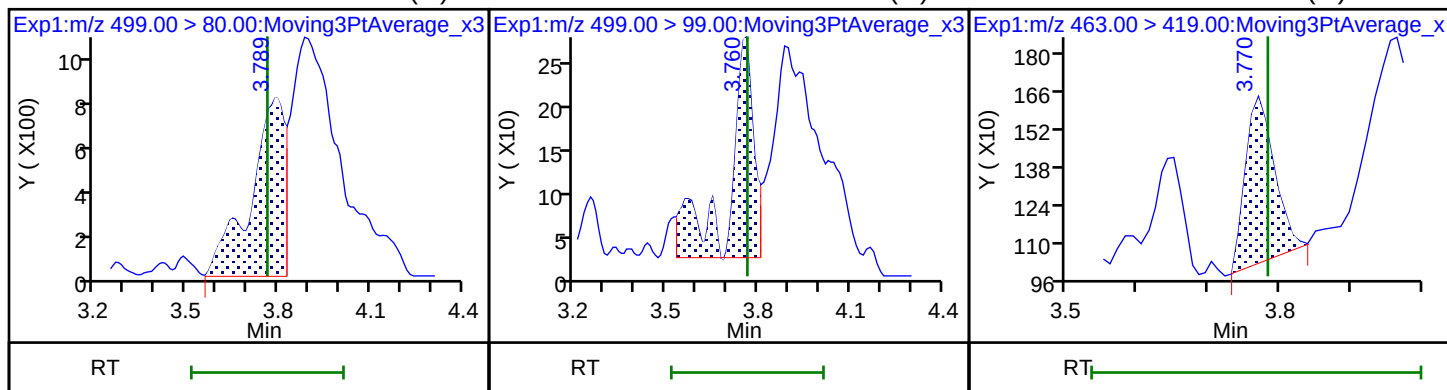
D 18 13C4 PFOS

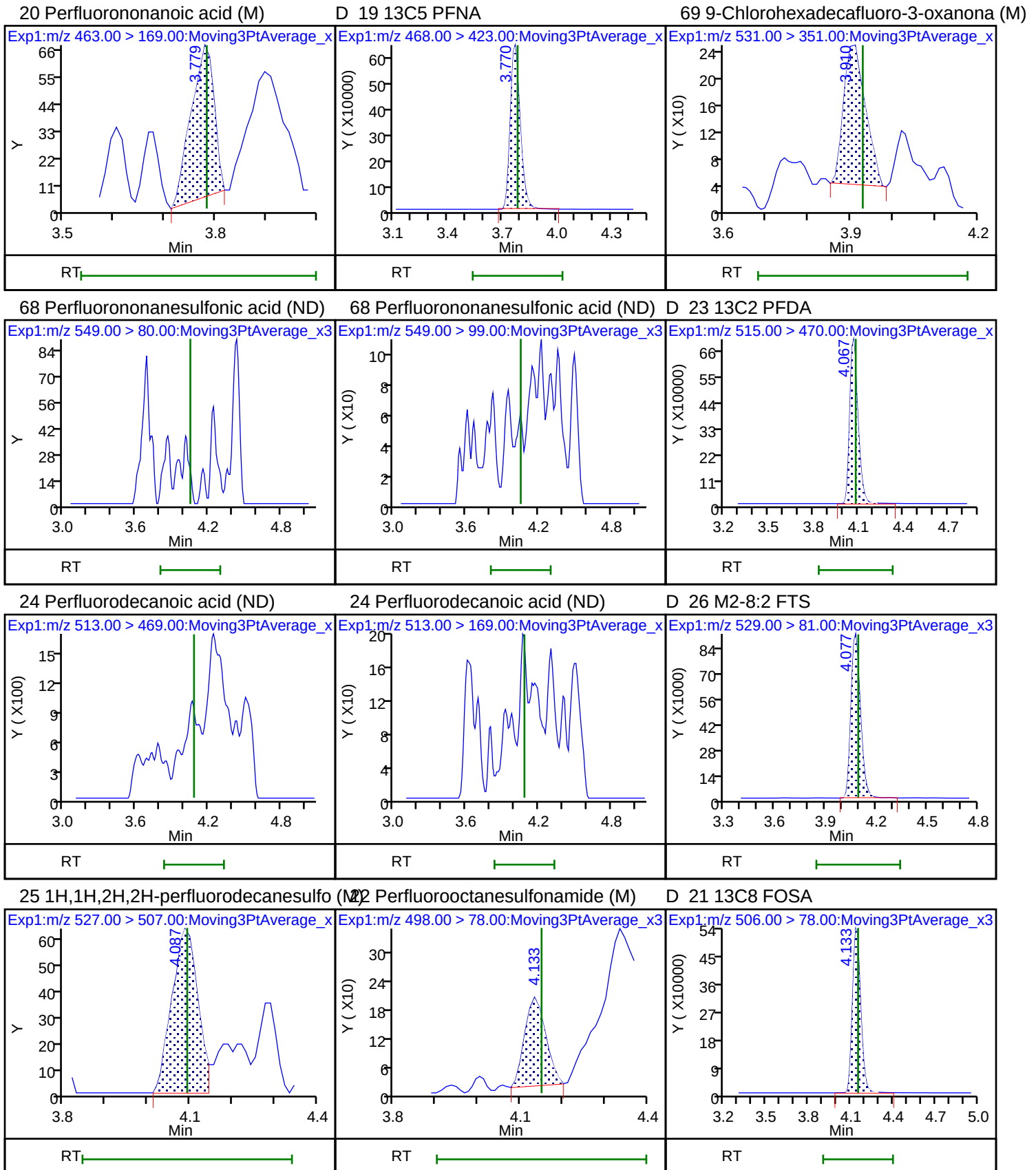


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid (M)

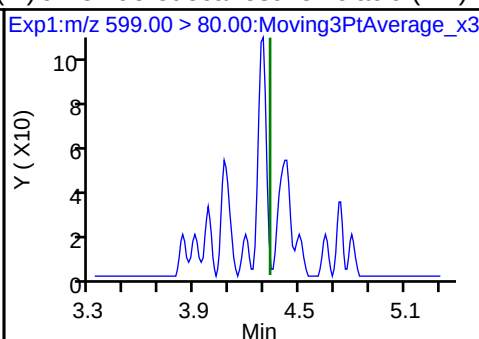
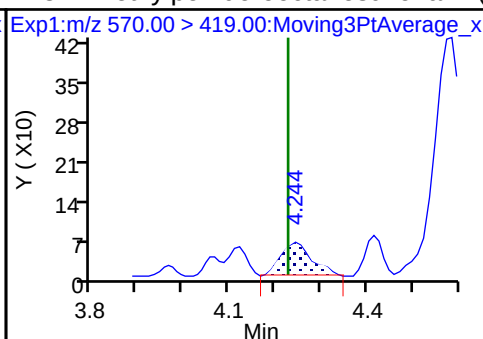
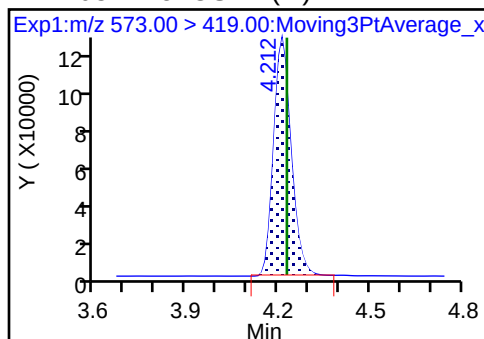




D 27 d3-NMeFOSAA (M)

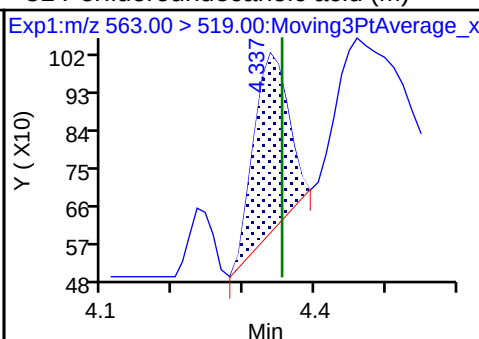
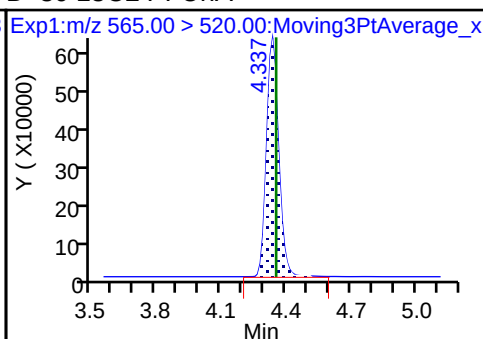
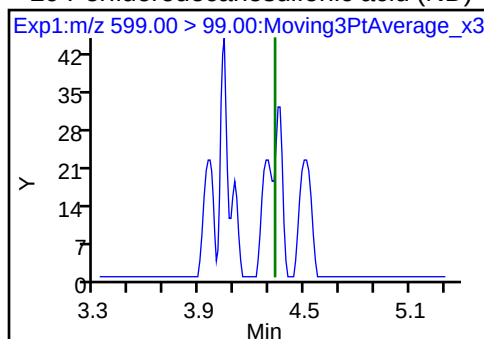
28 N-methylperfluorooctanesulfonami (M)

29 Perfluorodecanesulfonic acid (ND)



29 Perfluorodecanesulfonic acid (ND) D 30 13C2 PFUnA

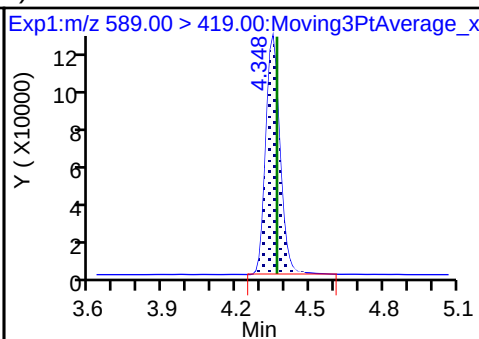
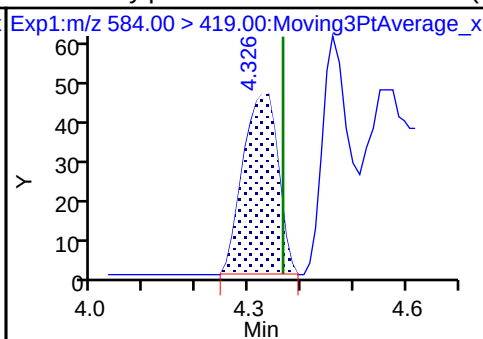
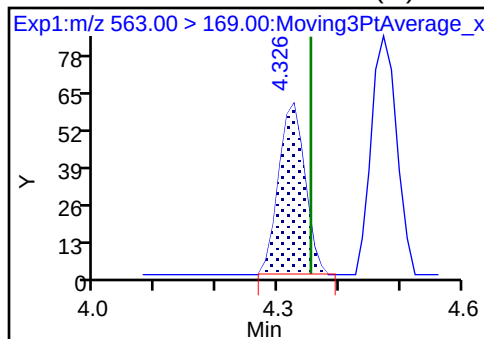
31 Perfluoroundecanoic acid (M)



31 Perfluoroundecanoic acid (M)

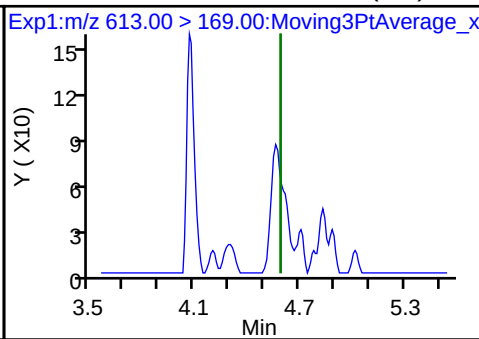
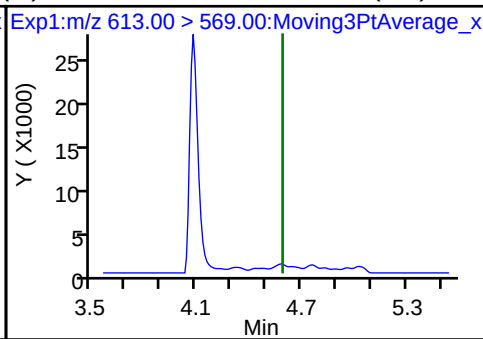
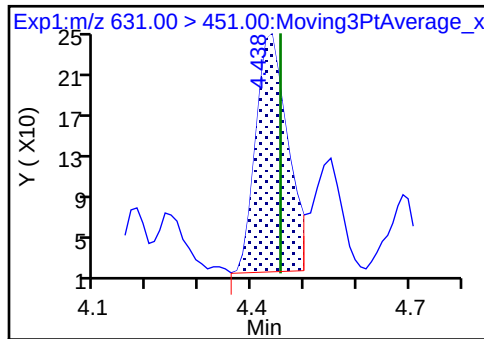
33 N-ethylperfluorooctanesulfonamid (ND)

32 d5-NEtFOSAA



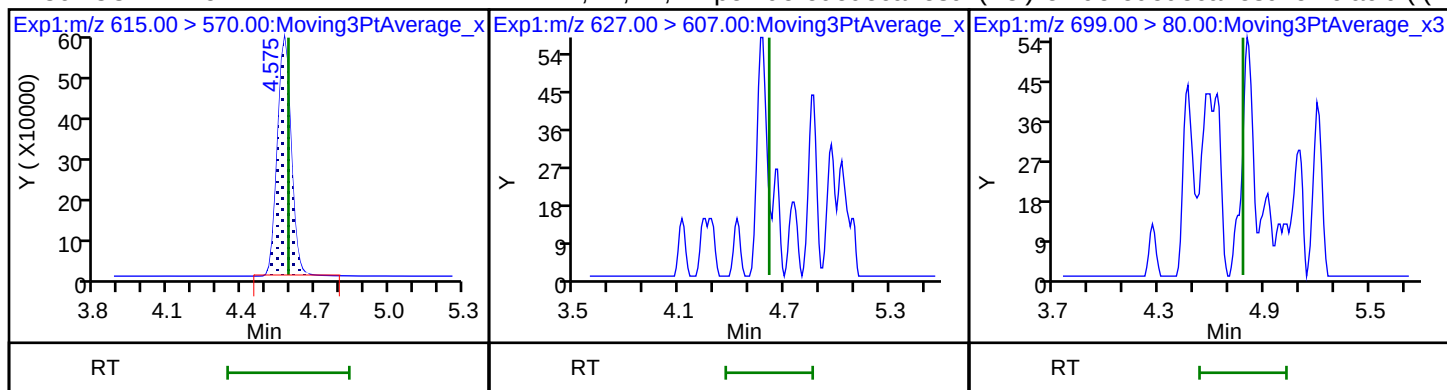
66 11-Chloroeicosafluoro-3-oxaundec (M)

37 Perfluorododecanoic acid (ND)



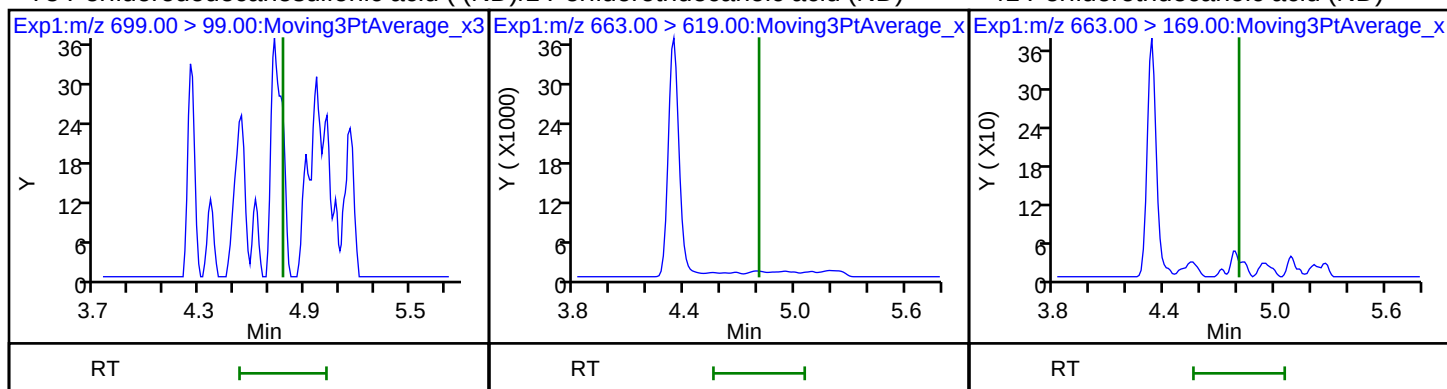
D 36 13C2 PFDaA

74 1H,1H,2H,2H-perfluorododecanesul (ND) 41 Perfluorododecanesulfonic acid ((ND)



75 Perfluorododecanesulfonic acid ((ND) 41 Perfluorotridecanoic acid (ND)

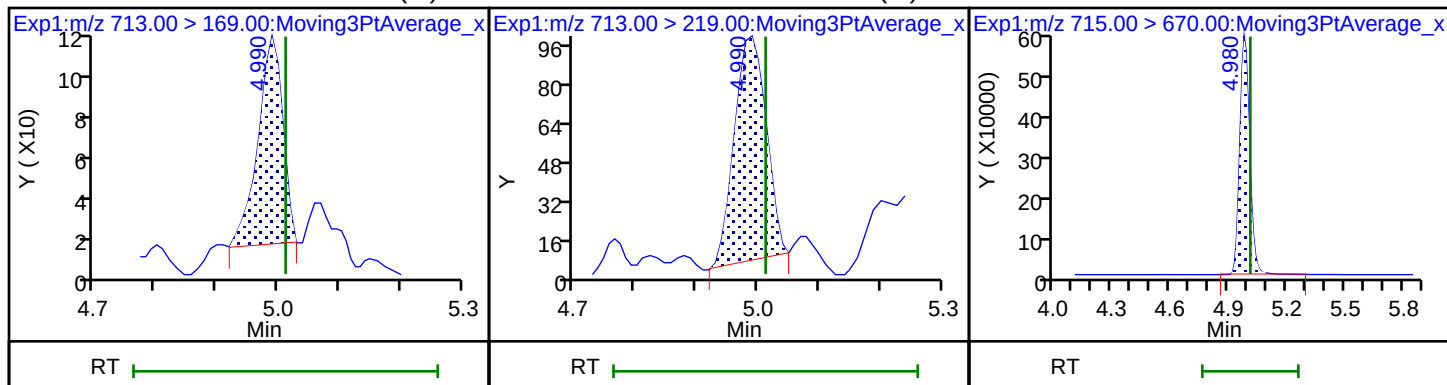
41 Perfluorotridecanoic acid (ND)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

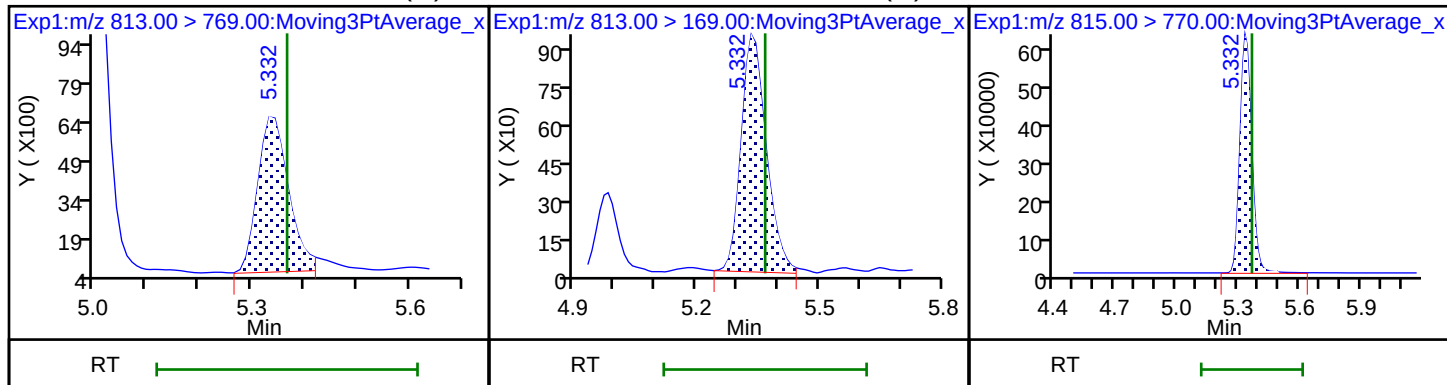
D 43 13C2 PFTeDA



45 Perfluorohexadecanoic acid (M)

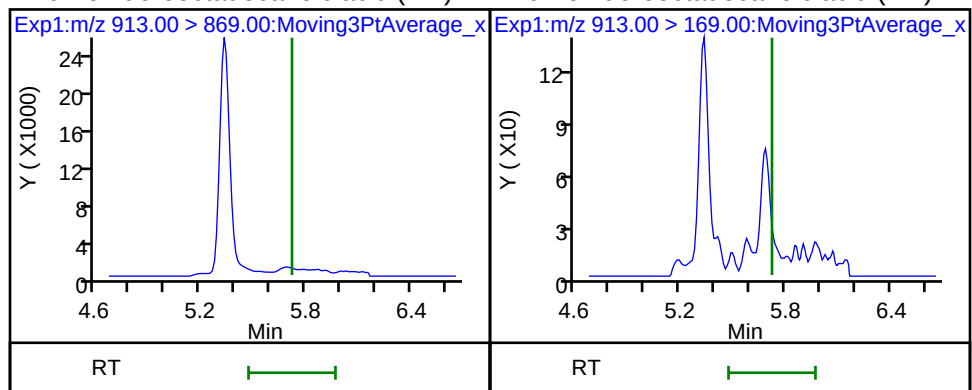
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (ND)

46 Perfluorooctadecanoic acid (ND)



Eurofins Burlington

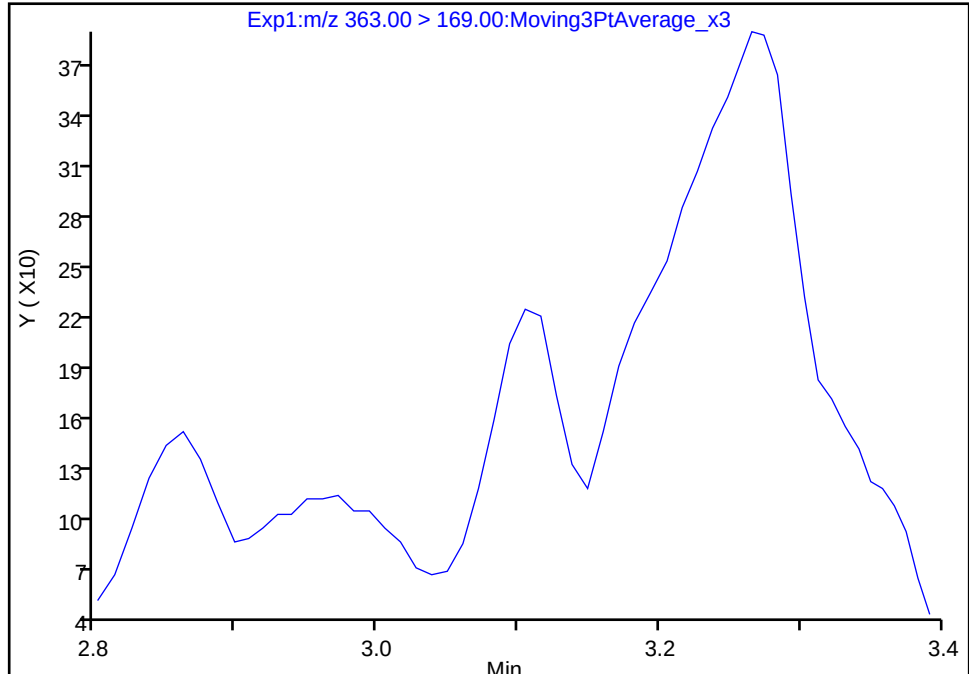
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A04.d
Injection Date: 30-Nov-2022 09:41:06 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

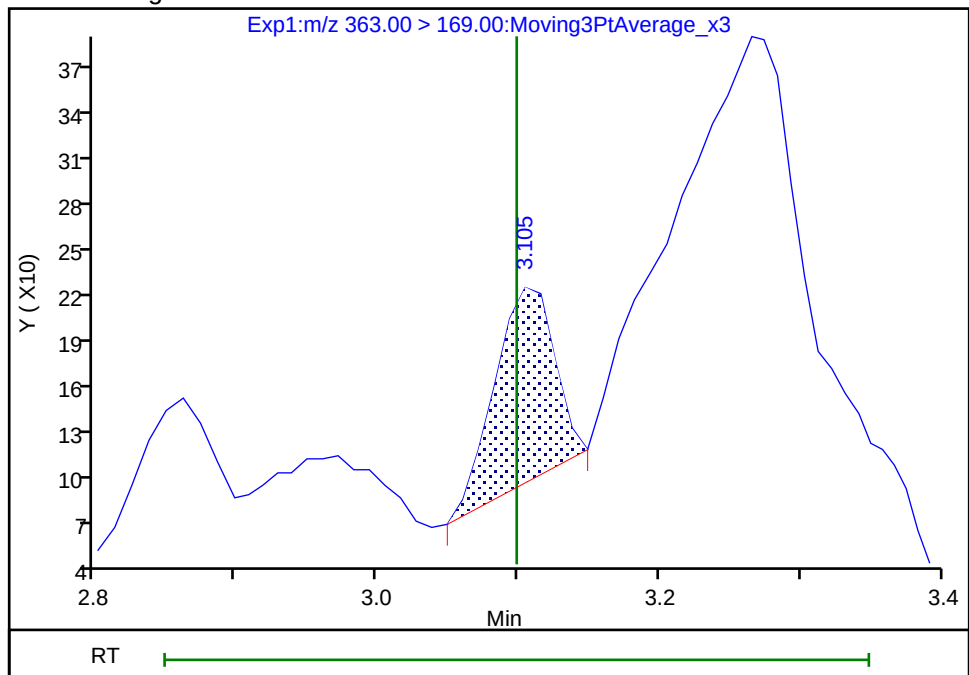
Signal: 2

Not Detected
Expected RT: 3.10

Processing Integration Results



Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:04:40

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

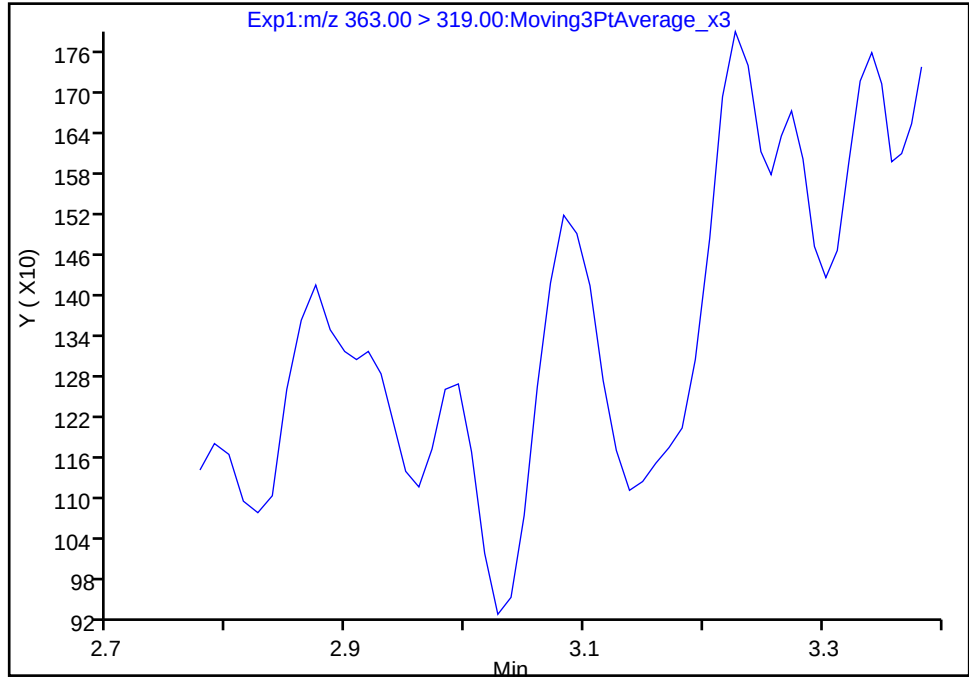
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A04.d
Injection Date: 30-Nov-2022 09:41:06 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

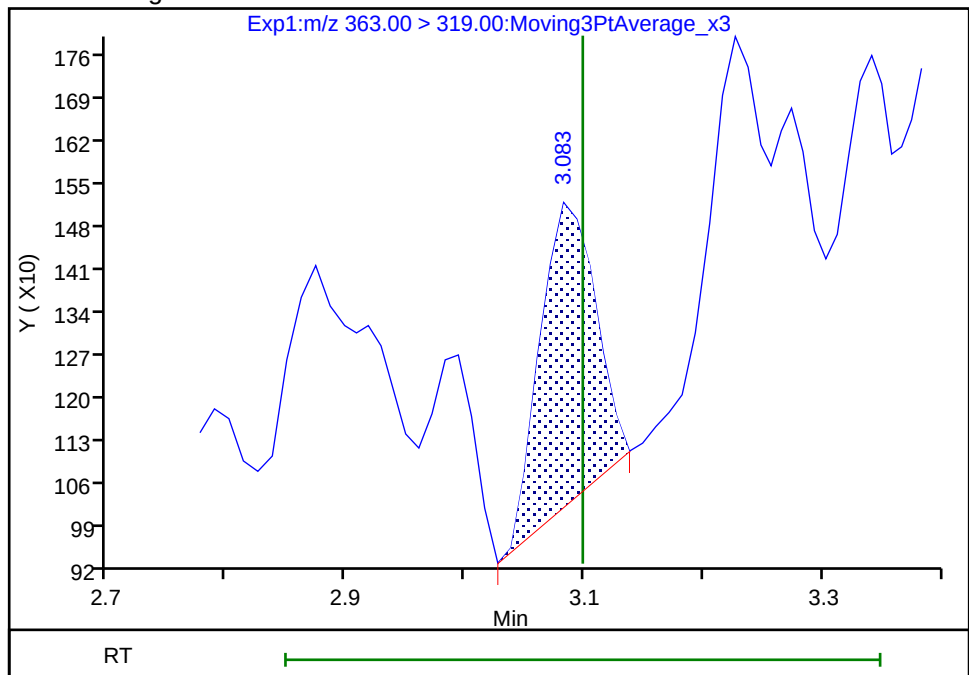
Not Detected
Expected RT: 3.10

Processing Integration Results



Manual Integration Results

RT: 3.08
Area: 1590
Amount: 0.000853
Amount Units: ng/ml



Reviewer: khanphomeea, 01-Dec-2022 10:04:45

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

Eurofins Burlington

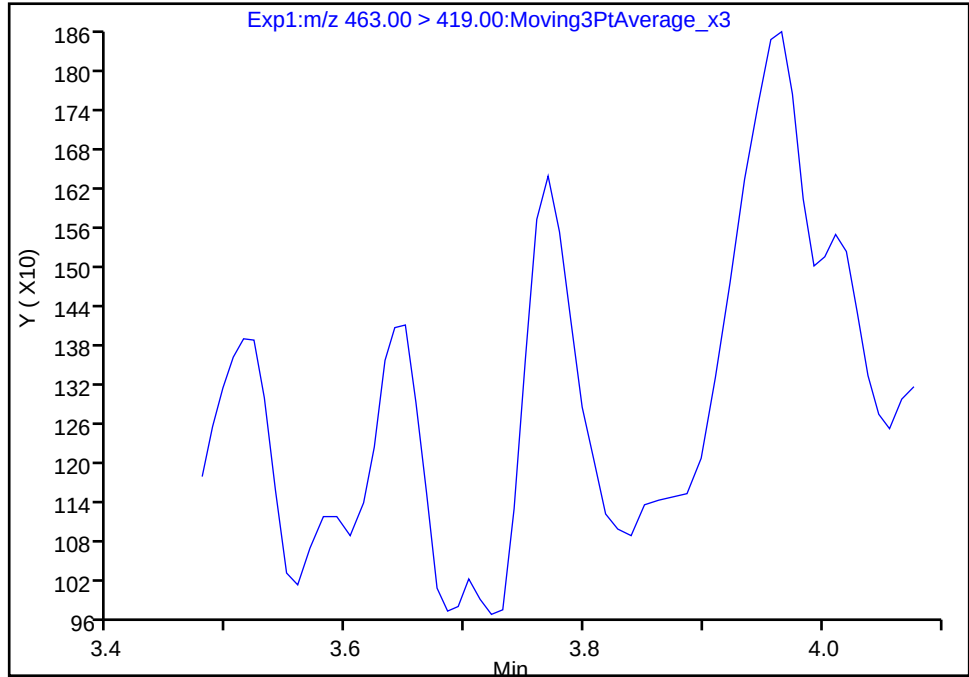
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A04.d
Injection Date: 30-Nov-2022 09:41:06 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

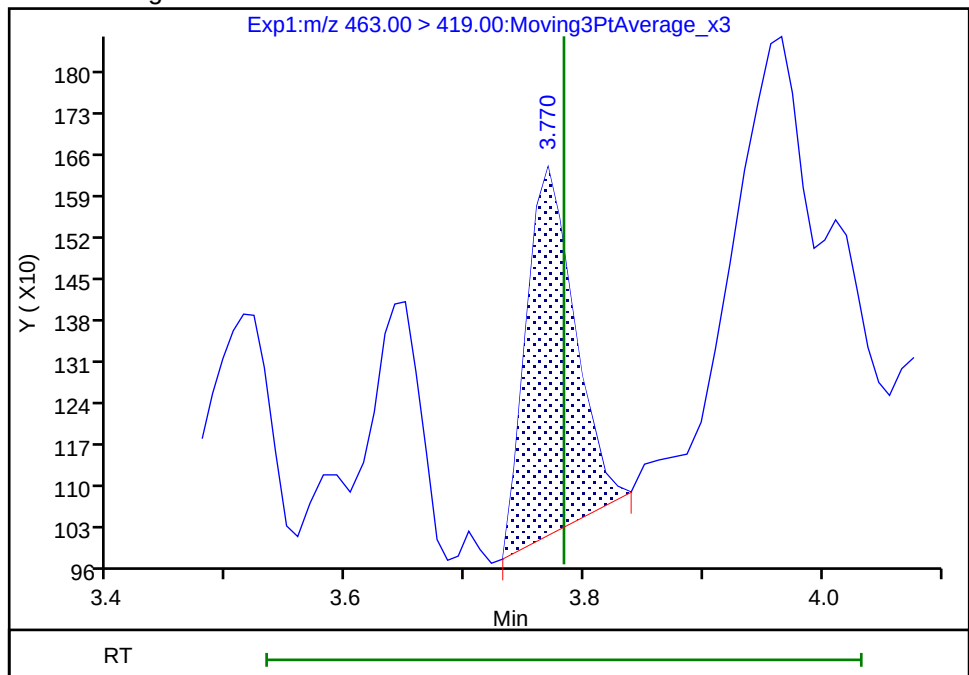
Signal: 1

Not Detected
Expected RT: 3.78

Processing Integration Results



Manual Integration Results



RT: 3.77
Area: 1762
Amount: 0.000862
Amount Units: ng/ml

Reviewer: khanphomeea, 01-Dec-2022 10:05:34

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

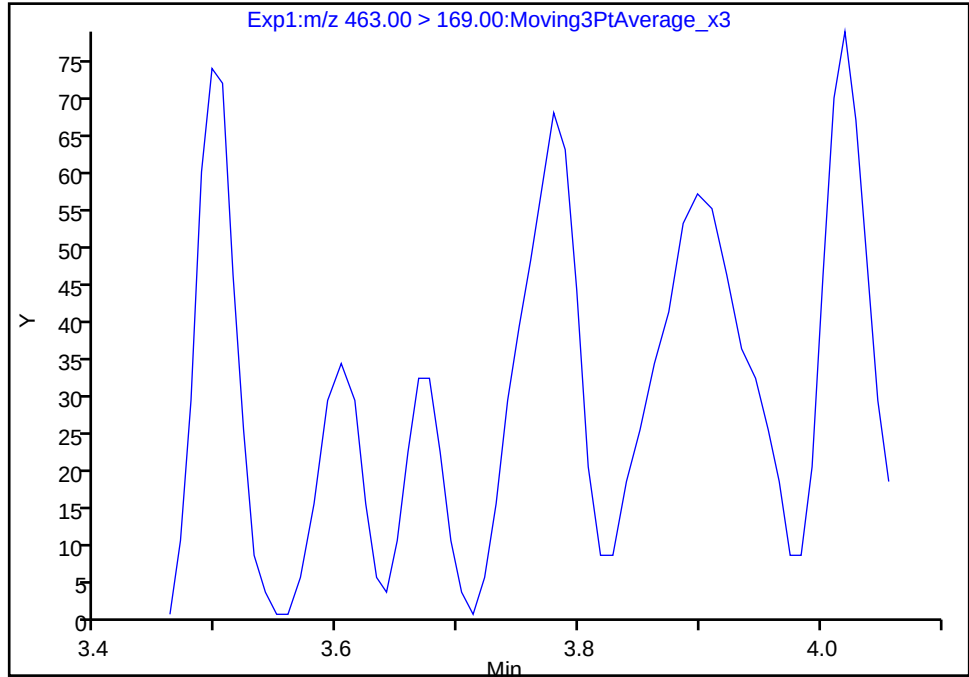
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A04.d
Injection Date: 30-Nov-2022 09:41:06 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

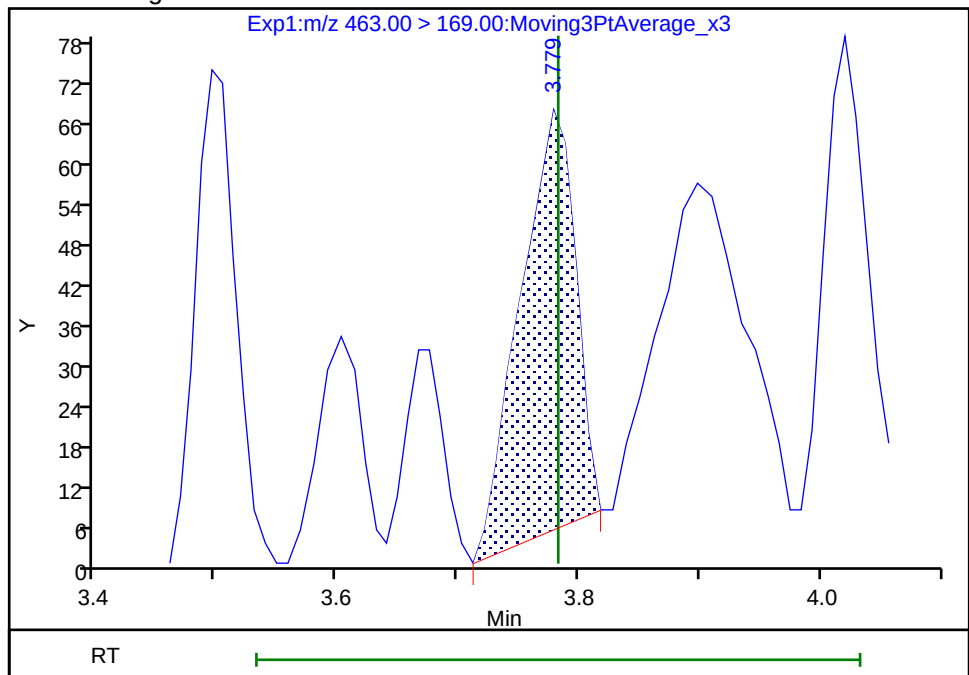
Not Detected
Expected RT: 3.78

Processing Integration Results



Manual Integration Results

RT: 3.78
Area: 200
Amount: 0.000862
Amount Units: ng/ml



Reviewer: khanphomeea, 01-Dec-2022 10:05:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

Eurofins Burlington

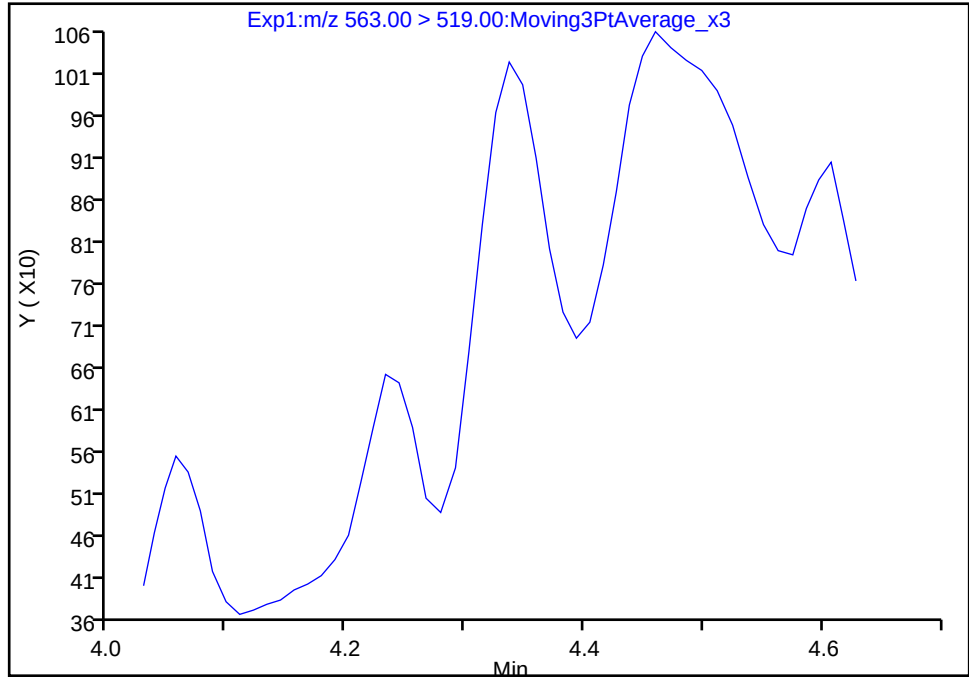
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Injection Date: 30-Nov-2022 09:41:06 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

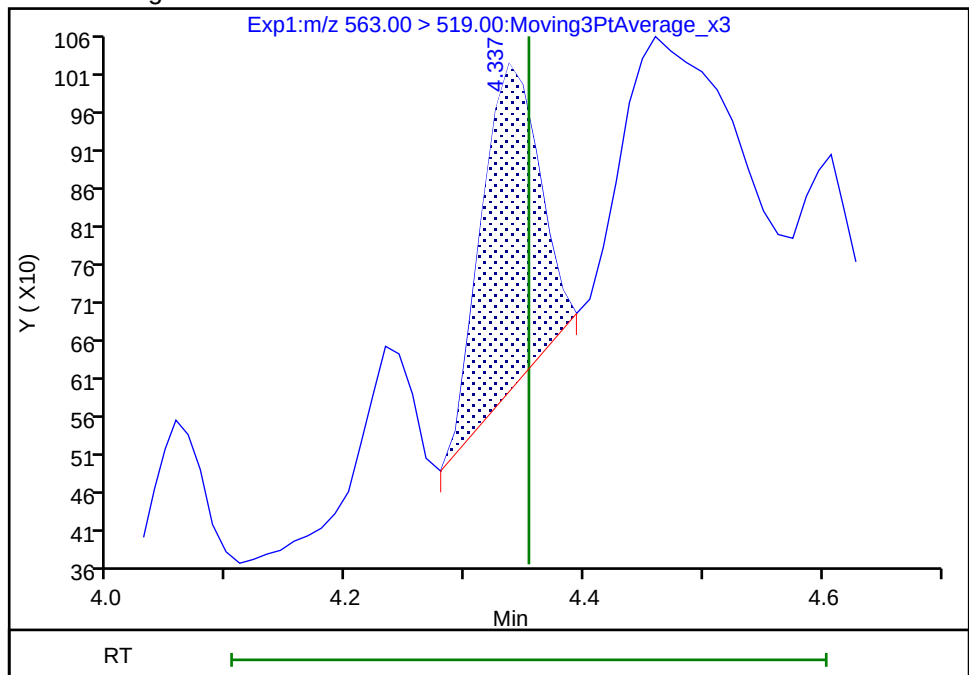
Not Detected
Expected RT: 4.35

Processing Integration Results



RT: 4.34
Area: 1448
Amount: 0.000727
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:06:24

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Data File:	\\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A04.d		
Injection Date:	30-Nov-2022 09:41:06	Instrument ID:	LC812
Lims ID:	CCB		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	1 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#:	1	Worklist Smp#:	4
Dil. Factor:	1.0000		
Limit Group:	LC_PFC_ICAL		
Detector	EXP1		

Signal: 2

Not Detected
Expected RT: 4.35

Exp1:m/z 563.00 > 169.00:Moving3PtAverage_x3

Min	Y
4.00	15
4.05	2
4.10	1
4.20	1
4.25	1
4.28	10
4.30	20
4.32	55
4.34	62
4.36	45
4.38	10
4.40	2
4.42	1
4.44	1
4.46	15
4.48	75
4.49	84
4.50	75
4.52	40
4.54	15
4.56	2
4.60	1

RT: 4.33
Area: 182
Amount: 0.000727
Amount Units: ng/ml

Exp1:m/z 563.00 > 169.00:Moving3PtAverage_x3

4.326

Y

Min

RT

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

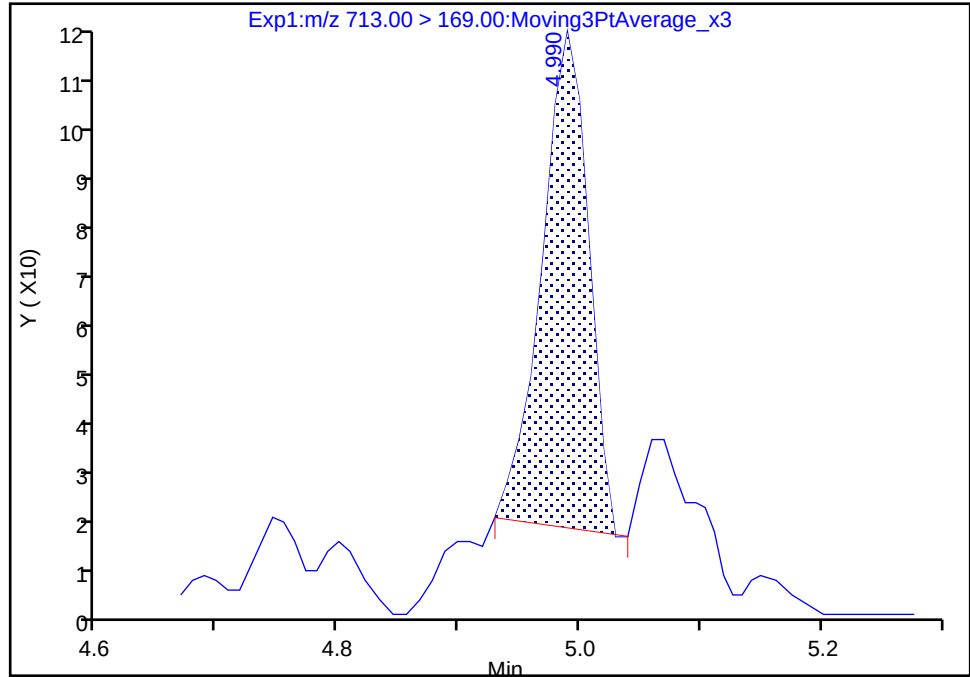
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A04.d
Injection Date: 30-Nov-2022 09:41:06 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

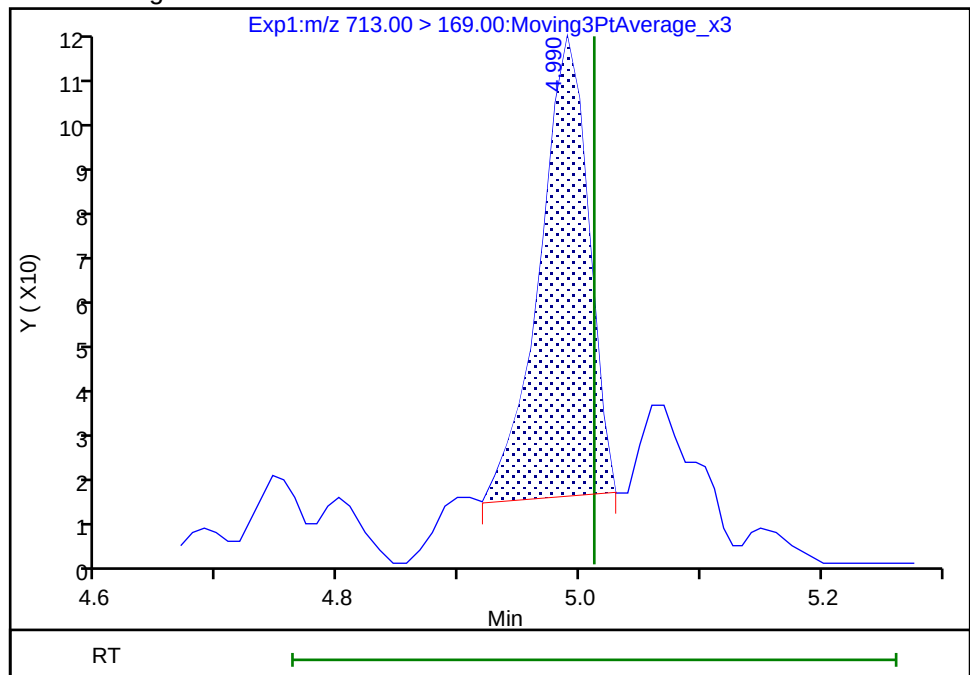
RT: 4.99
Area: 273
Amount: 0.001177
Amount Units: ng/ml

Processing Integration Results



RT: 4.99
Area: 294
Amount: 0.001267
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:06:54

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

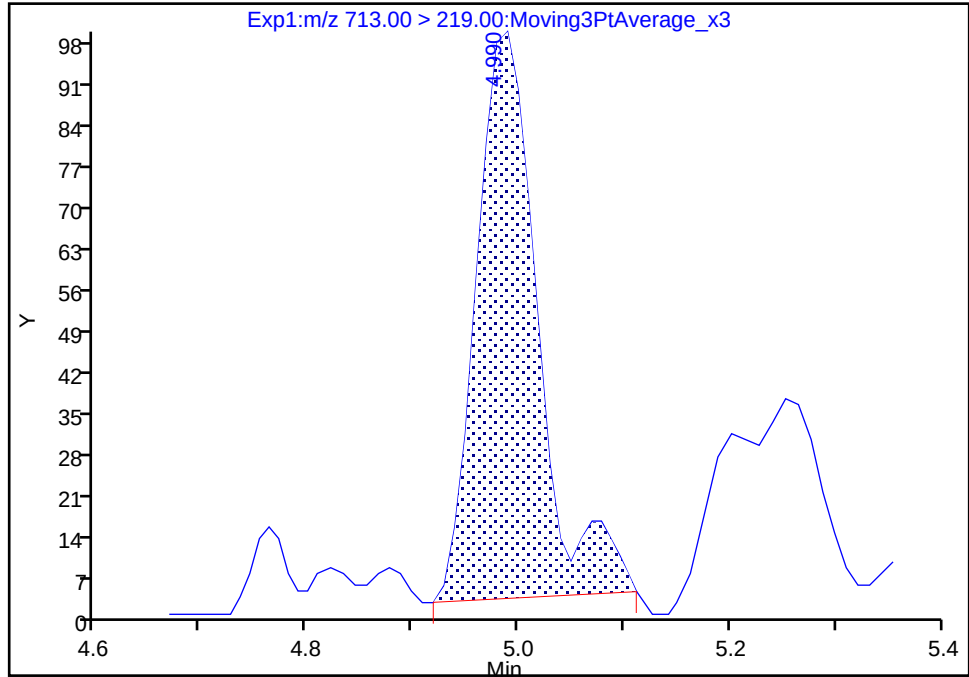
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A04.d
Injection Date: 30-Nov-2022 09:41:06 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

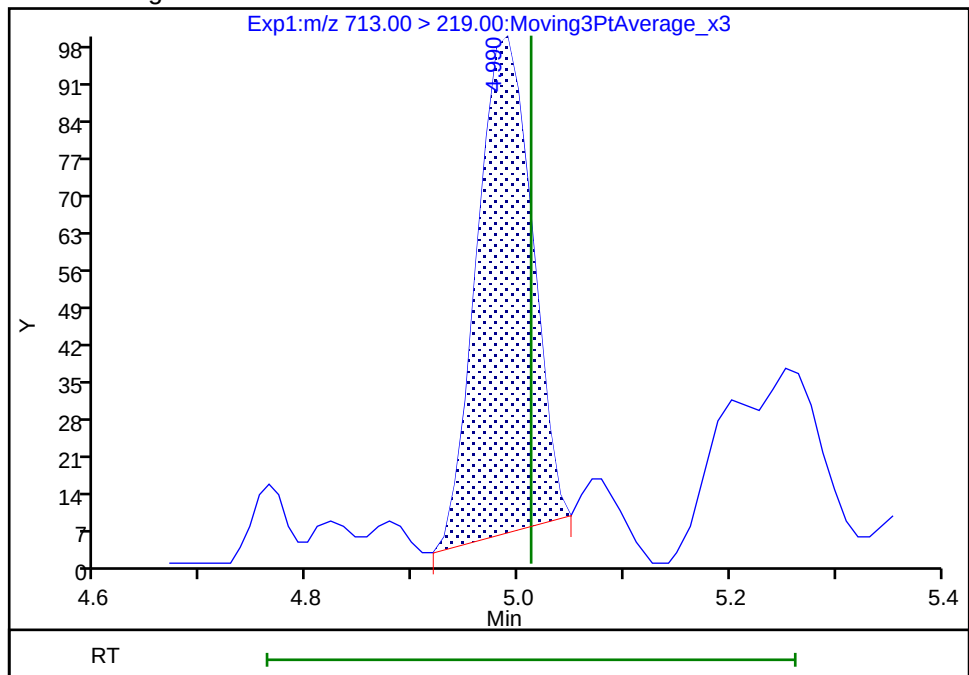
RT: 4.99
Area: 393
Amount: 0.001177
Amount Units: ng/ml

Processing Integration Results



RT: 4.99
Area: 341
Amount: 0.001267
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:07:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

Eurofins Burlington

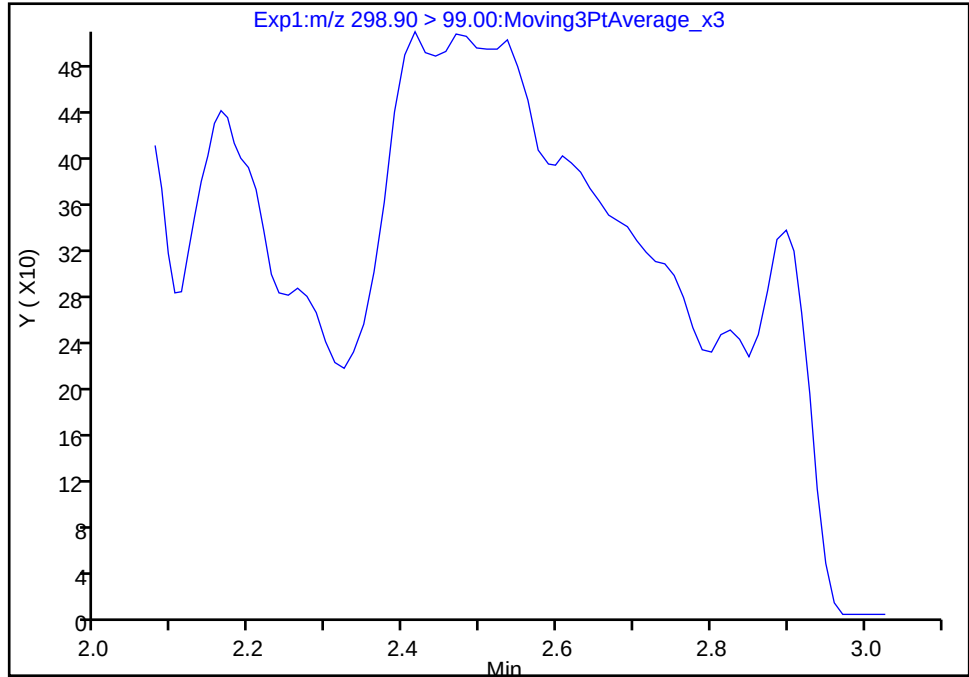
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A04.d
Injection Date: 30-Nov-2022 09:41:06 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

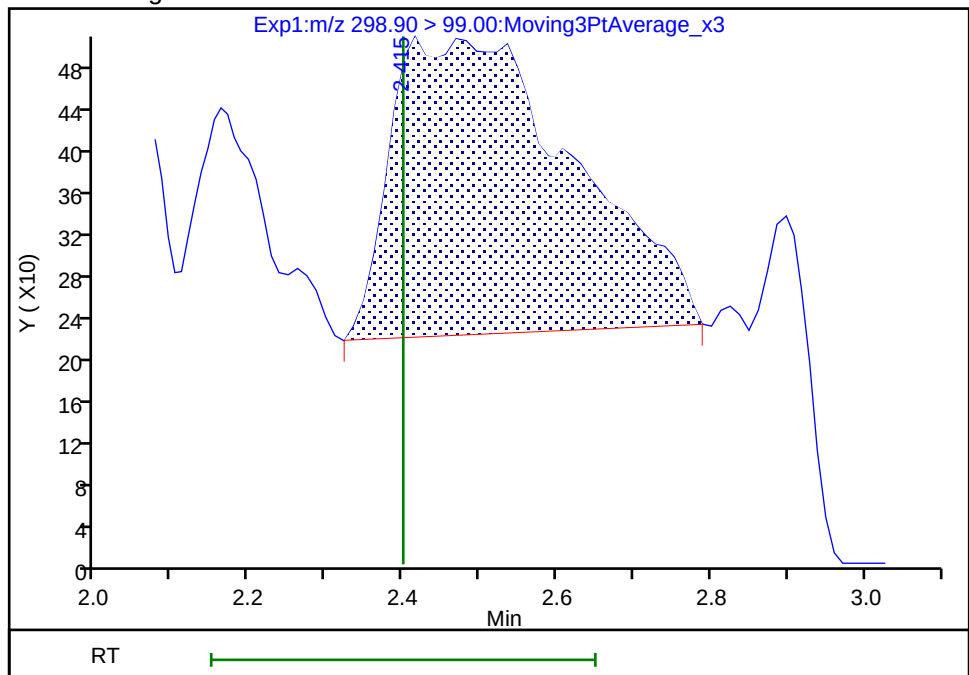
Signal: 2

Not Detected
Expected RT: 2.40

Processing Integration Results



Manual Integration Results



RT: 2.42
Area: 4663
Amount: 0.000732
Amount Units: ng/ml

Reviewer: Z1IP, 01-Dec-2022 08:02:08
Audit Action: Manually Integrated

Audit Reason: Missed Peak
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PM

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A04.d

Injection Date: 30-Nov-2022 09:41:06

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

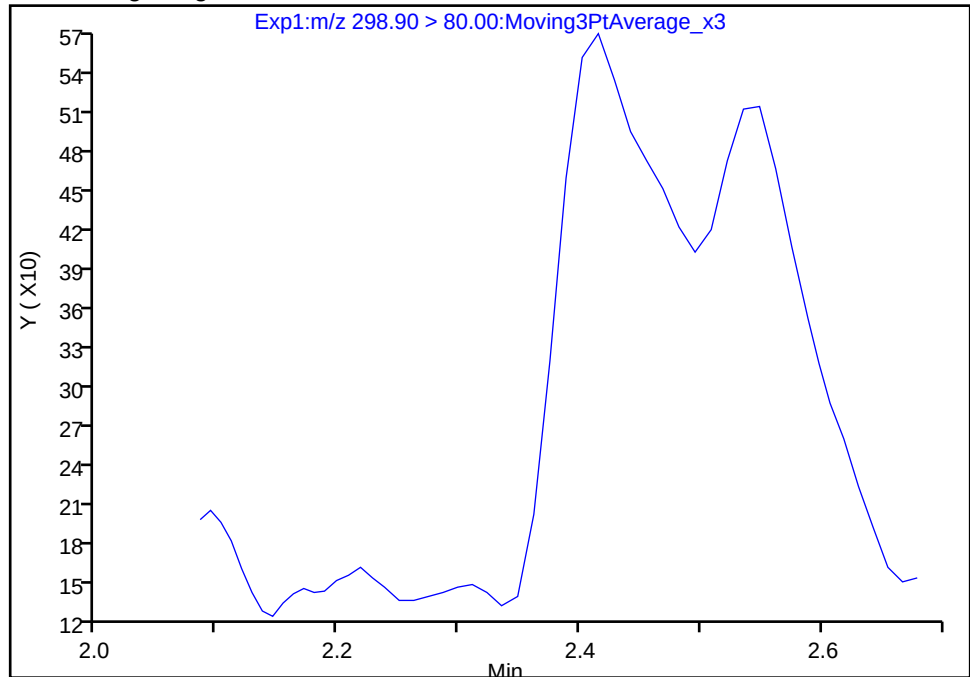
5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

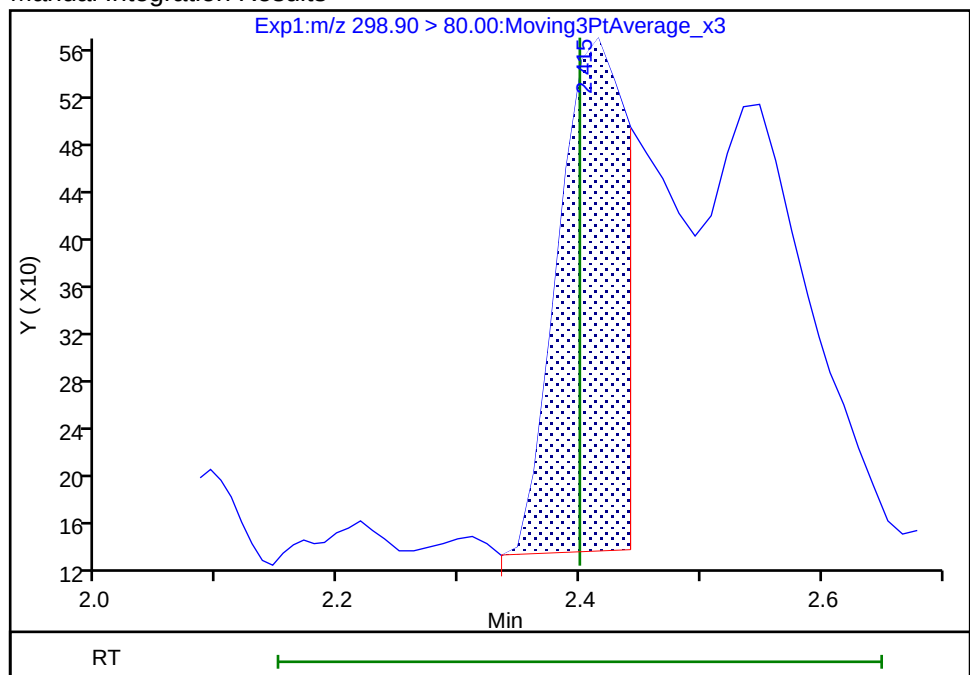
Not Detected

Expected RT: 2.40

Processing Integration Results



Manual Integration Results



RT: 2.42

Area: 1591

Amount: 0.000732

Amount Units: ng/ml

Reviewer: Z1IP, 01-Dec-2022 08:02:14

Audit Action: Manually Integrated

Audit Reason: Missed Peak

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PM

Eurofins Burlington

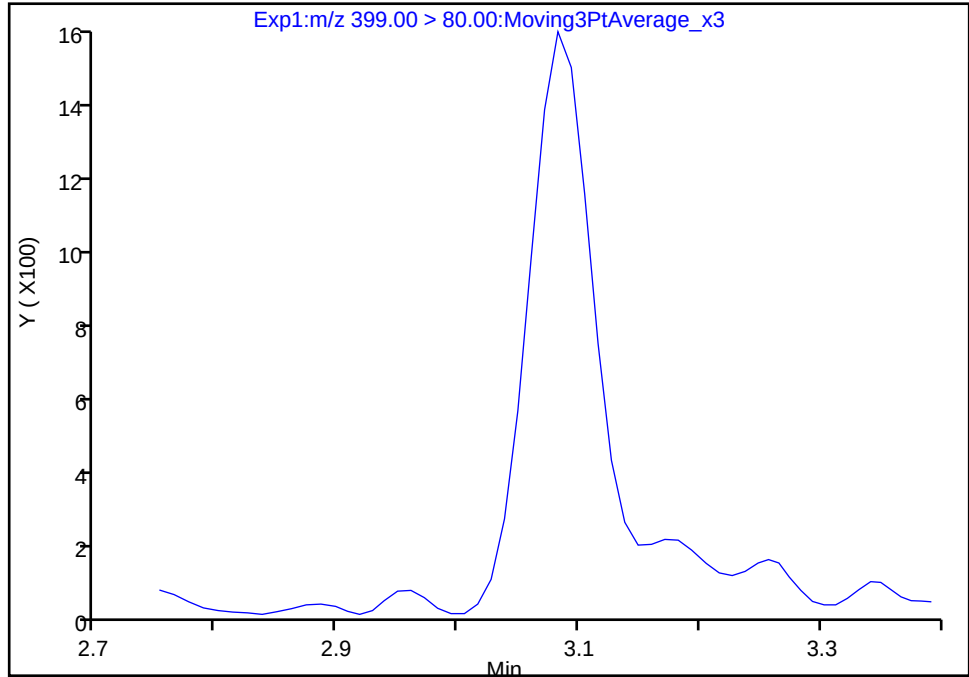
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A04.d
Injection Date: 30-Nov-2022 09:41:06 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

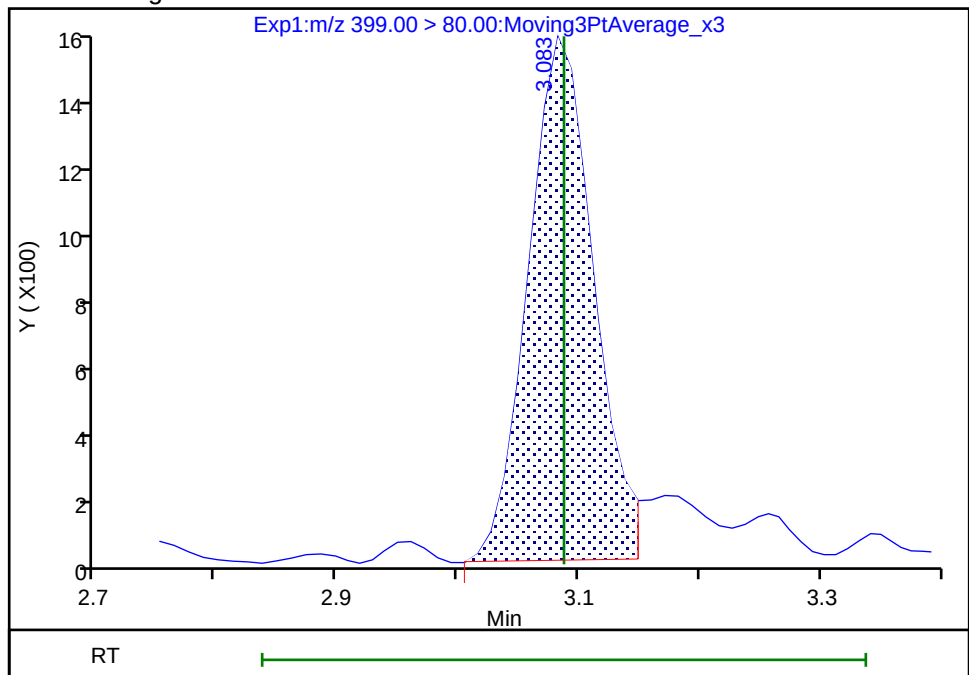
Not Detected
Expected RT: 3.09

Processing Integration Results



RT: 3.08
Area: 5708
Amount: 0.003691
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:04:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

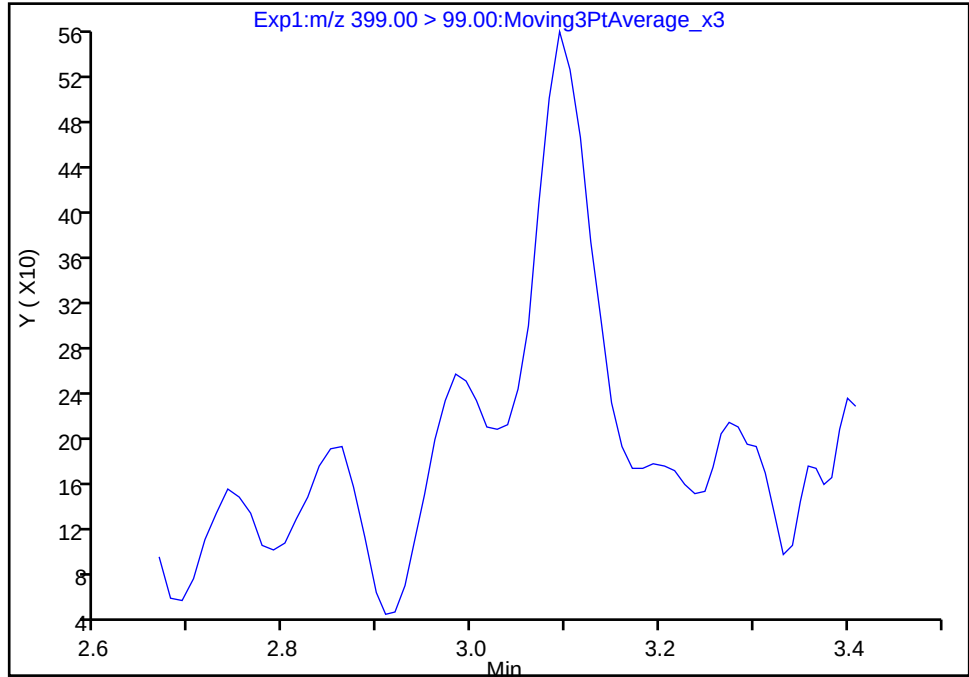
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A04.d
Injection Date: 30-Nov-2022 09:41:06 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

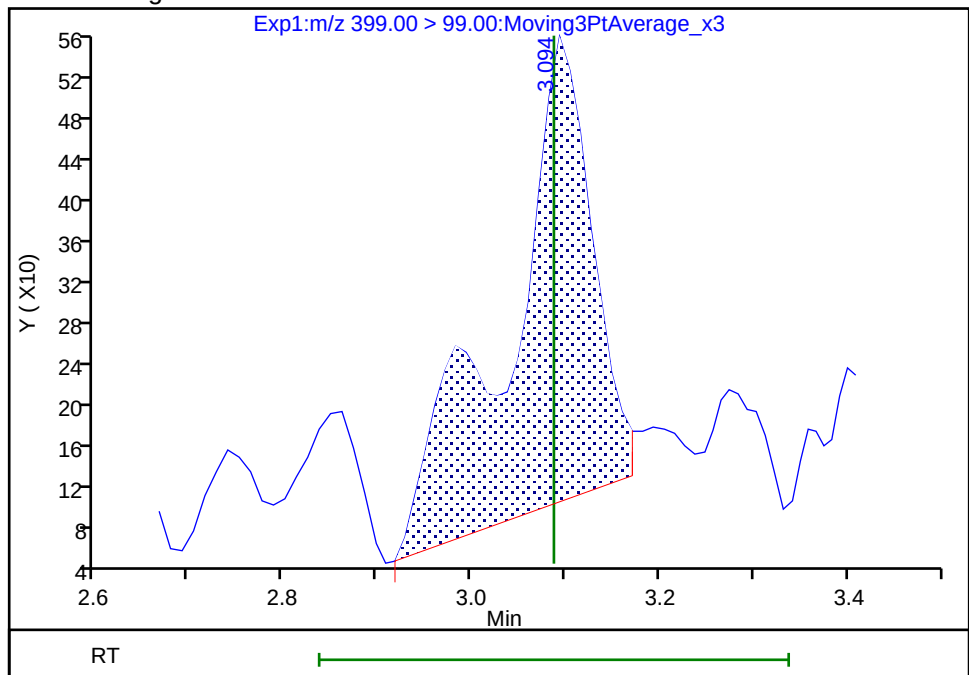
Not Detected
Expected RT: 3.09

Processing Integration Results



Manual Integration Results

RT: 3.09
Area: 2830
Amount: 0.003691
Amount Units: ng/ml



Reviewer: khanphomeea, 01-Dec-2022 10:04:30

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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12/2/2022 2:28
PM

Eurofins Burlington

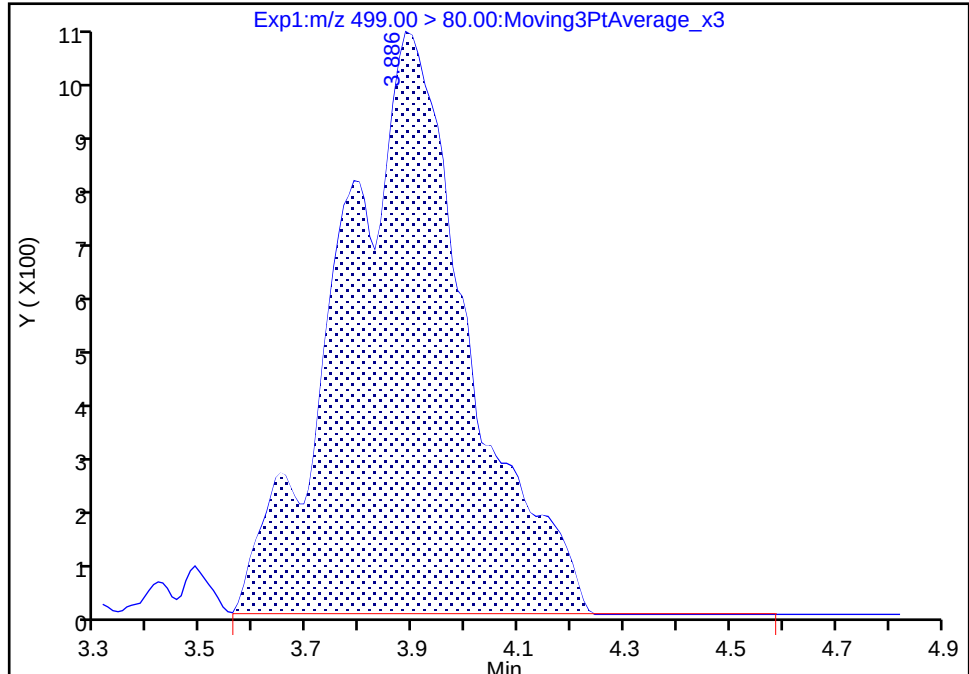
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A04.d
Injection Date: 30-Nov-2022 09:41:06 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

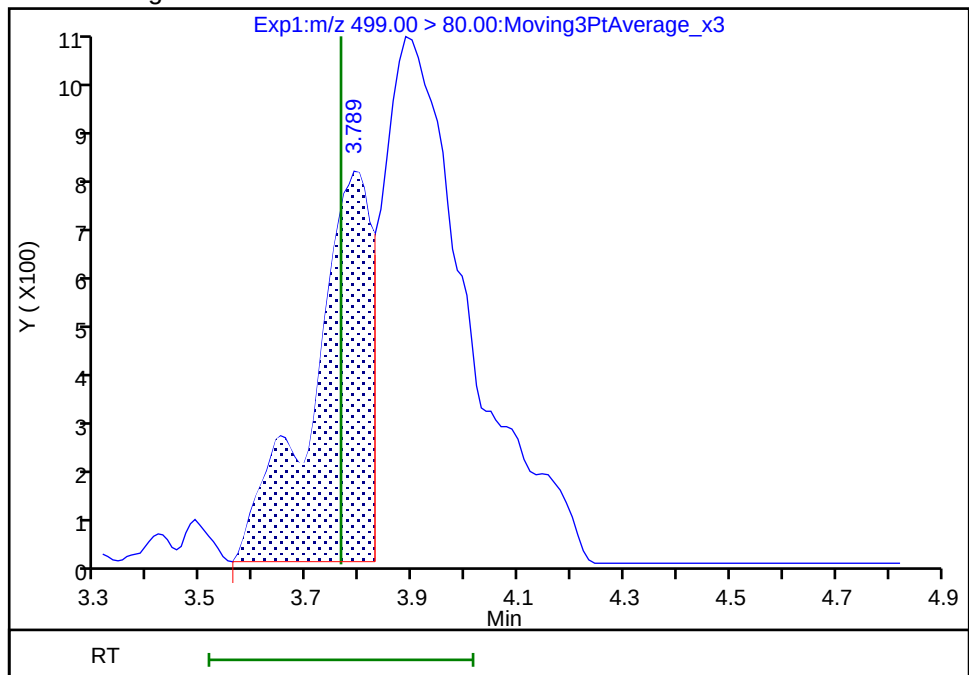
RT: 3.89
Area: 18439
Amount: 0.016472
Amount Units: ng/ml

Processing Integration Results



RT: 3.79
Area: 6232
Amount: 0.005567
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:05:05

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A04.d

Injection Date: 30-Nov-2022 09:41:06

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

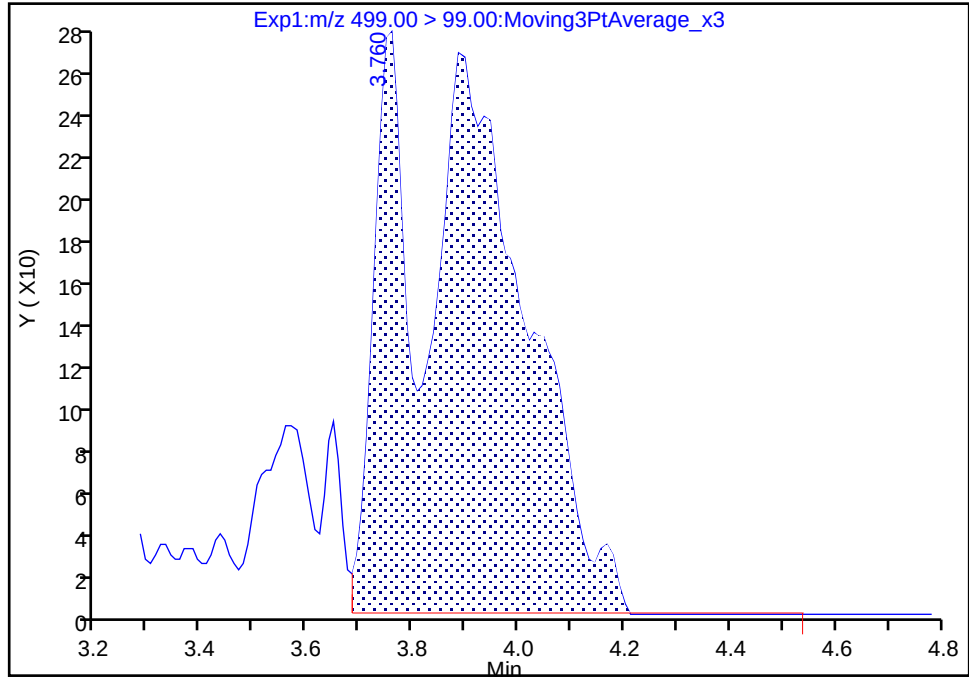
EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

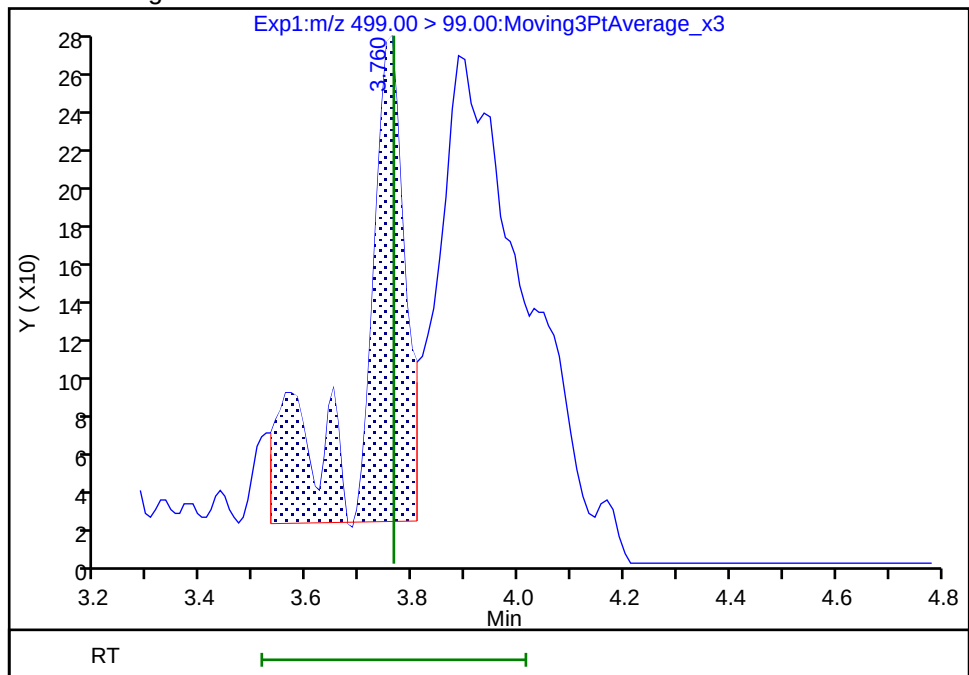
RT: 3.76
Area: 4282
Amount: 0.016472
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 1391
Amount: 0.005567
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:05:25

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

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12/2/2022 2:28
PM

Eurofins Burlington

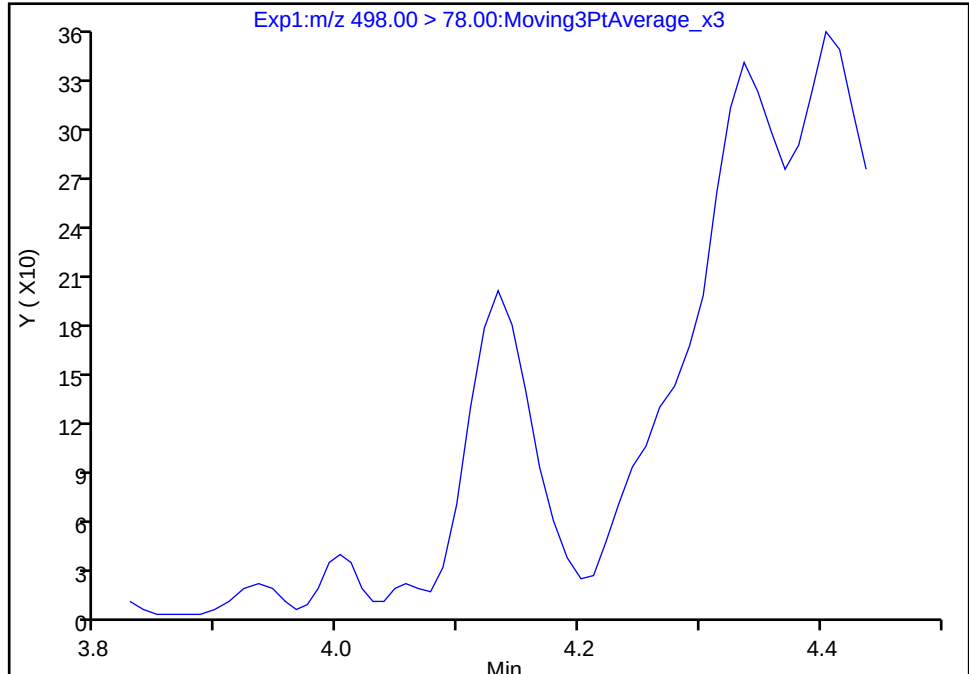
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A04.d
Injection Date: 30-Nov-2022 09:41:06 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

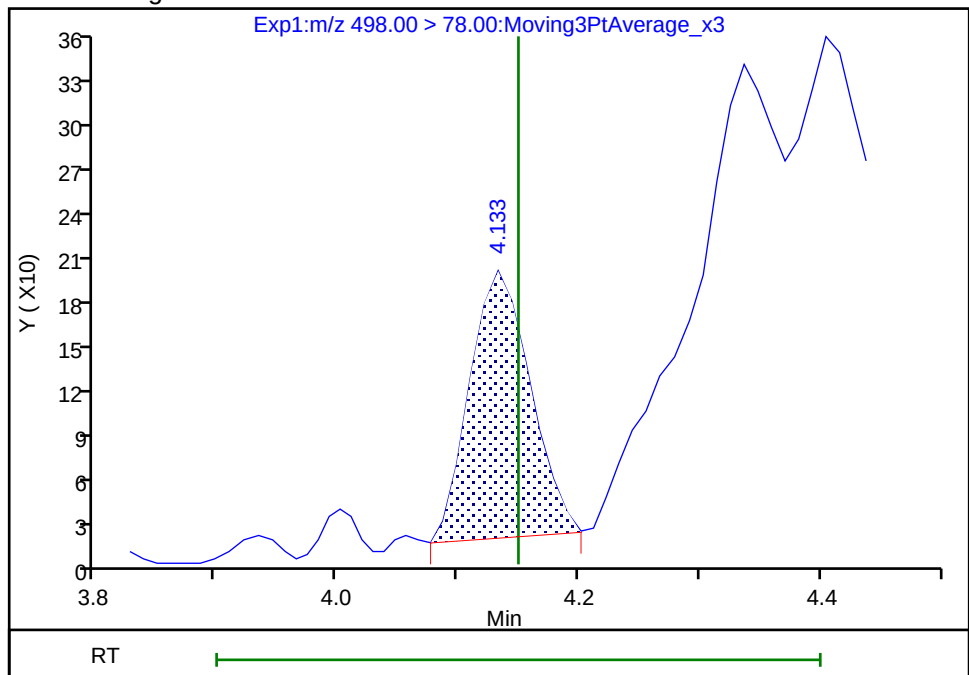
Not Detected
Expected RT: 4.15

Processing Integration Results



Manual Integration Results

RT: 4.13
Area: 633
Amount: 0.000346
Amount Units: ng/ml



Reviewer: khanphomeea, 01-Dec-2022 10:06:07

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

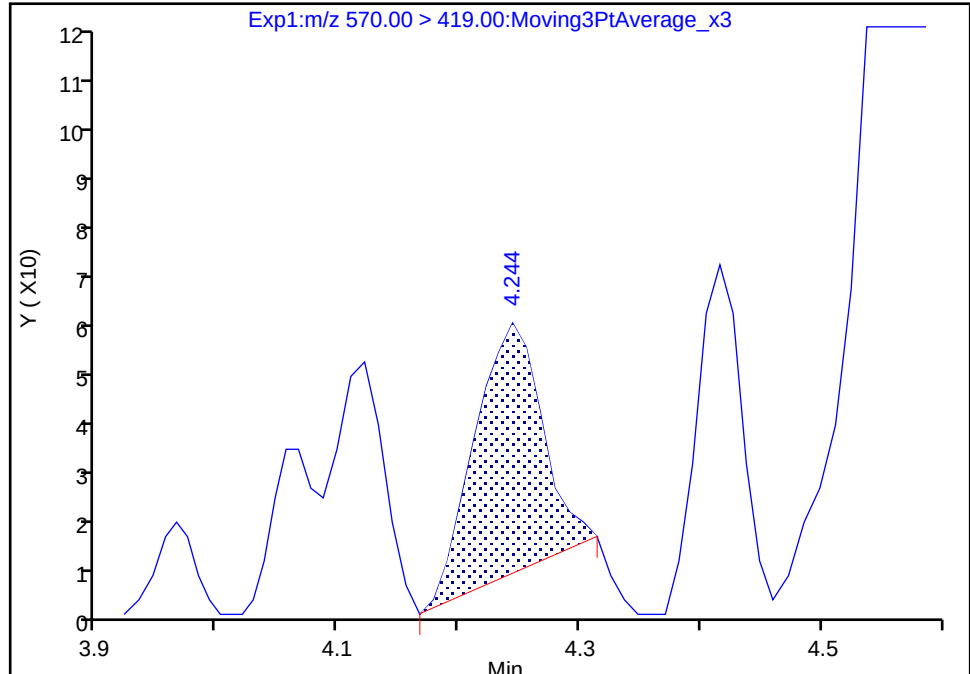
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A04.d
Injection Date: 30-Nov-2022 09:41:06 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

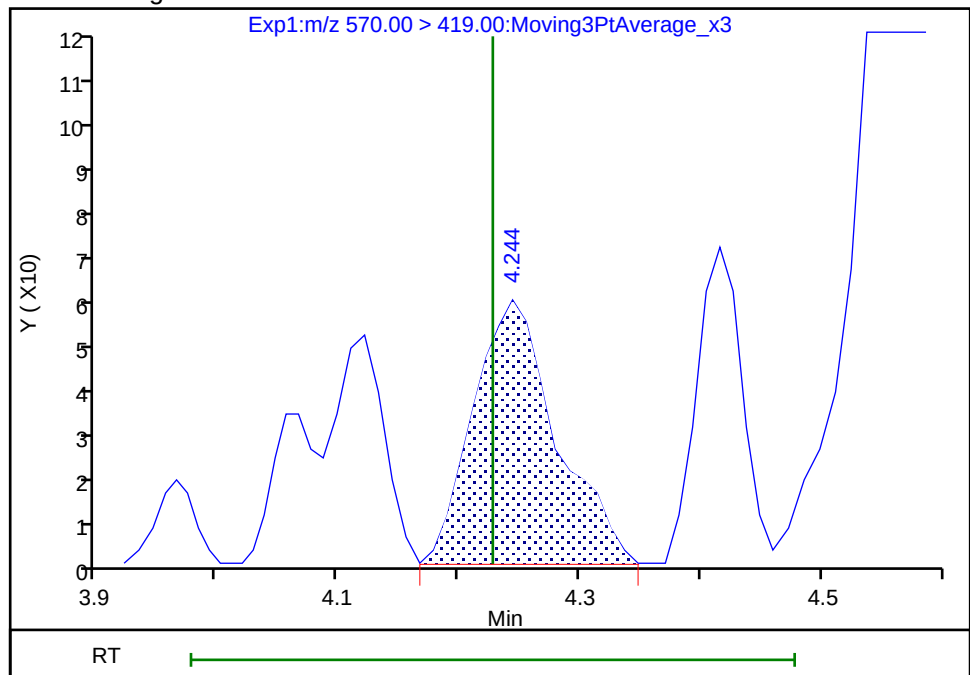
RT: 4.24
Area: 202
Amount: -0.011031
Amount Units: ng/ml

Processing Integration Results



RT: 4.24
Area: 285
Amount: -0.010786
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:06:14

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

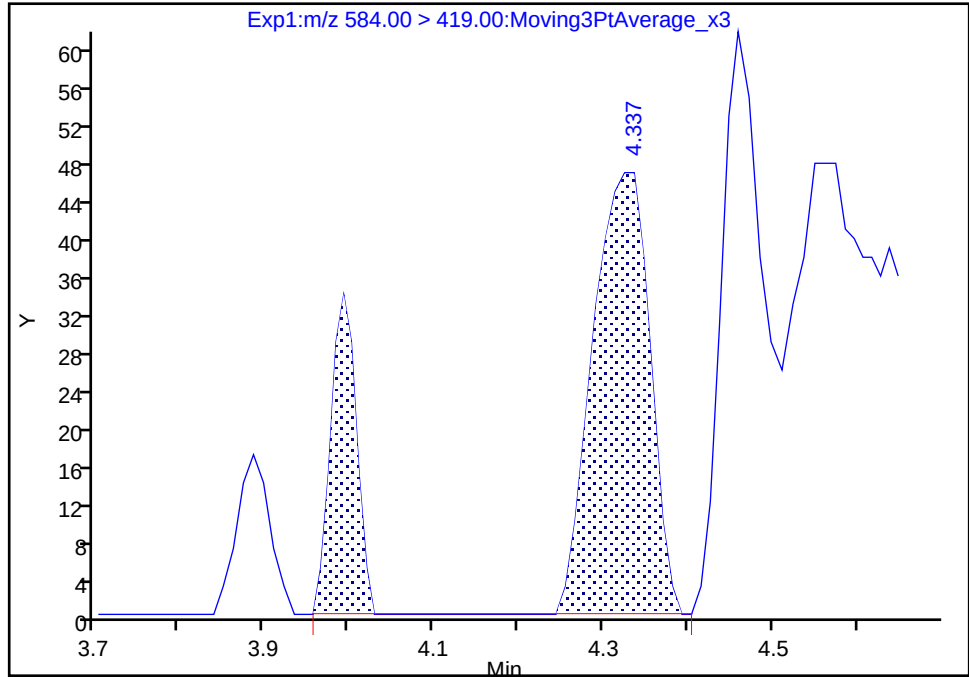
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A04.d
Injection Date: 30-Nov-2022 09:41:06 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

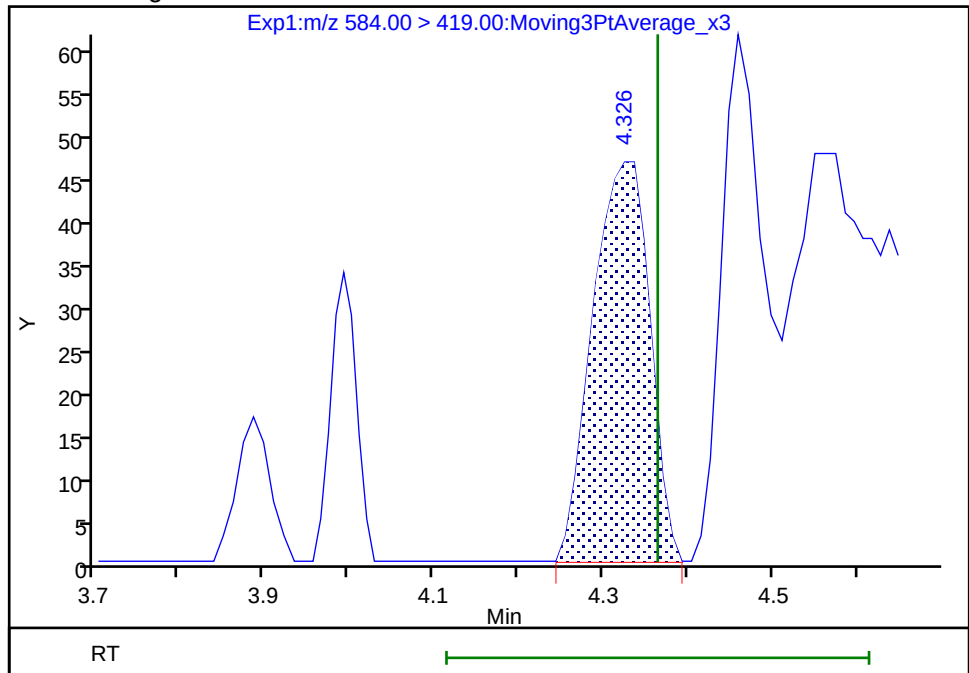
RT: 4.34
Area: 292
Amount: 0.000797
Amount Units: ng/ml

Processing Integration Results



RT: 4.33
Area: 220
Amount: 0.000601
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:06:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

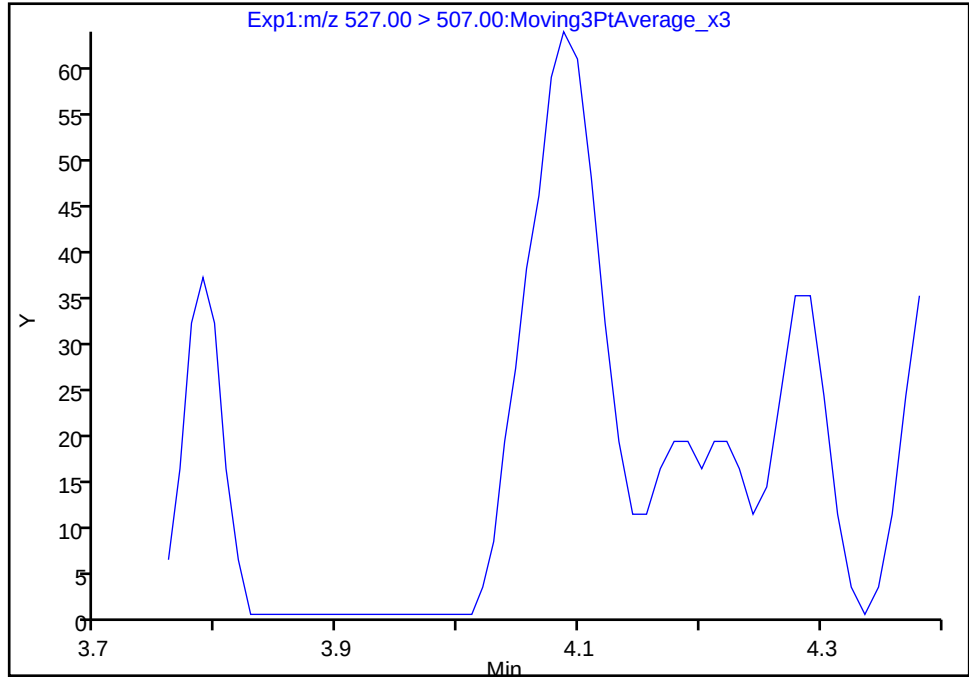
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A04.d
Injection Date: 30-Nov-2022 09:41:06 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

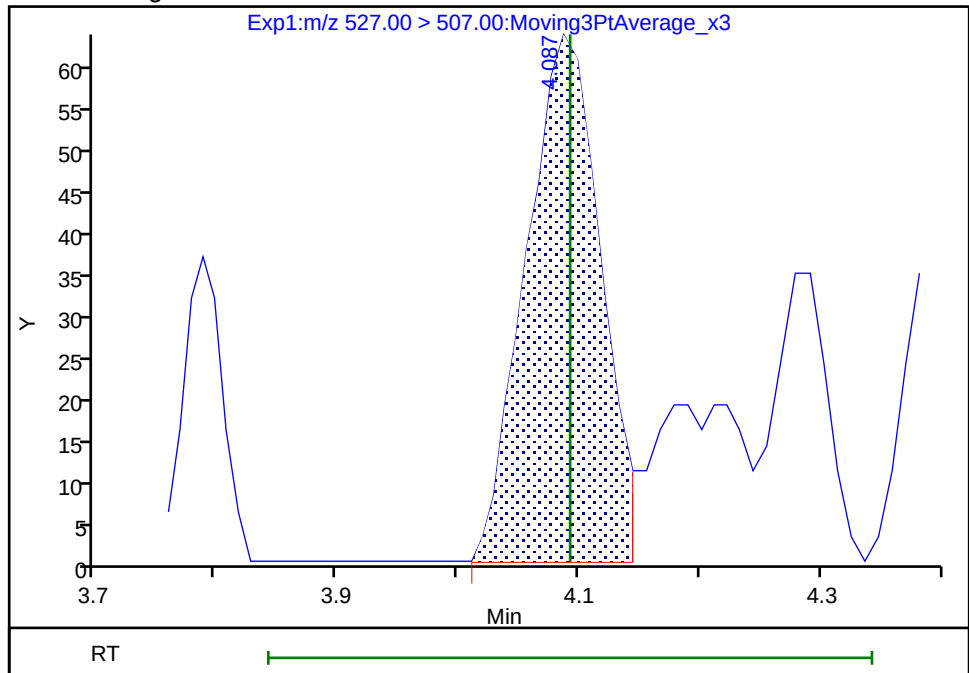
Signal: 1

Not Detected
Expected RT: 4.09

Processing Integration Results



Manual Integration Results



RT: 4.09
Area: 272
Amount: 0.000564
Amount Units: ng/ml

Reviewer: khanphomeea, 01-Dec-2022 10:06:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

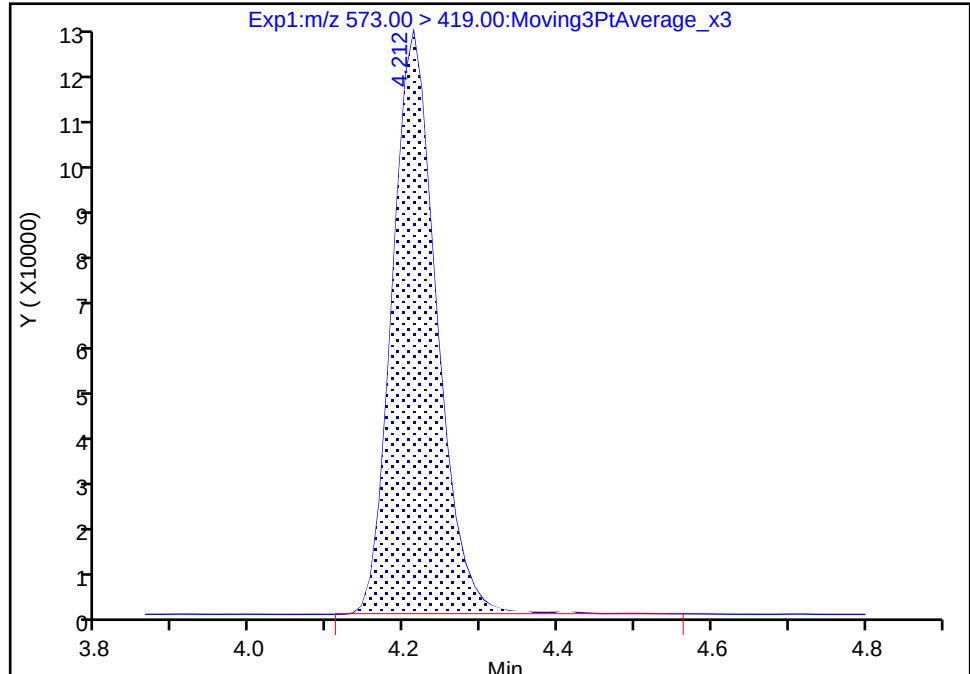
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A04.d
Injection Date: 30-Nov-2022 09:41:06 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

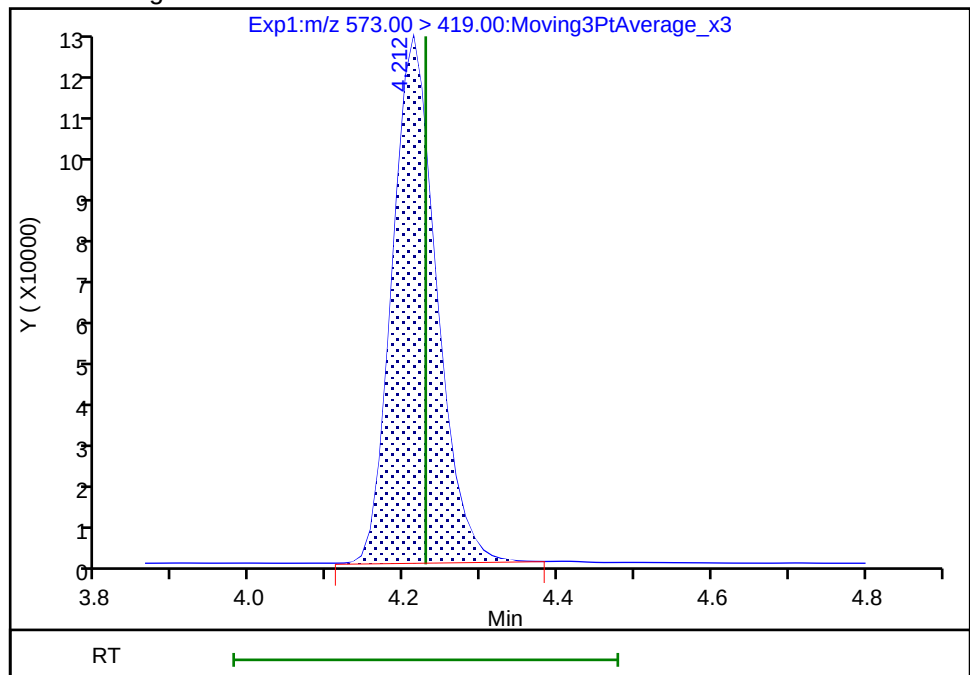
RT: 4.21
Area: 494246
Amount: 1.251051
Amount Units: ng/ml

Processing Integration Results



RT: 4.21
Area: 492665
Amount: 1.247049
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:03:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-269761-1

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.: 460-269761-1
 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

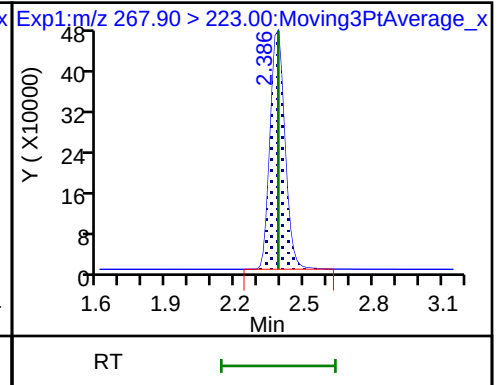
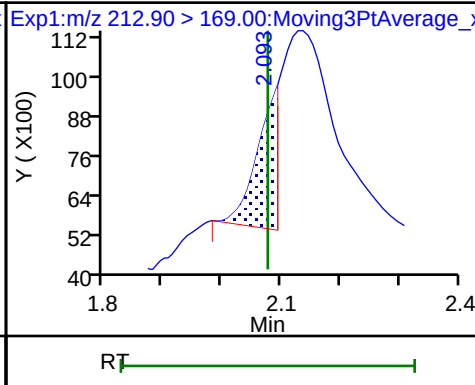
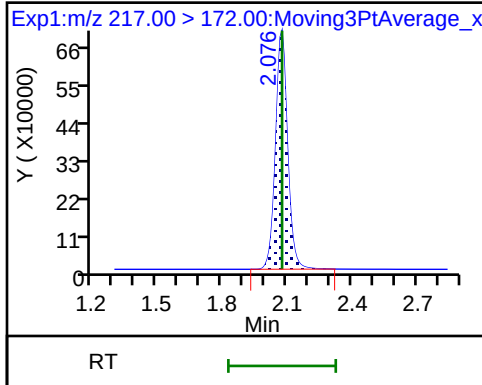
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA (M)

2 Perfluorobutanoic acid (M)

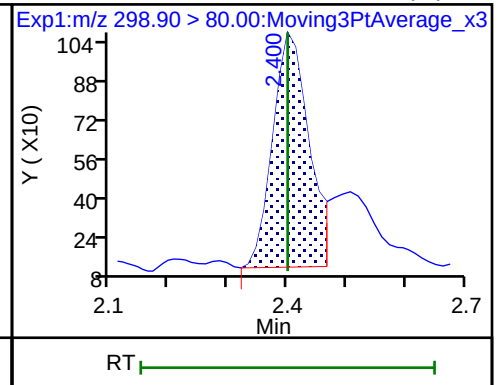
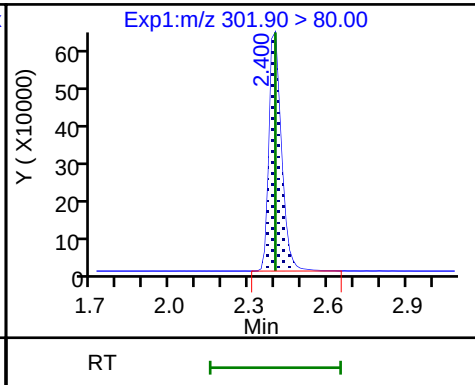
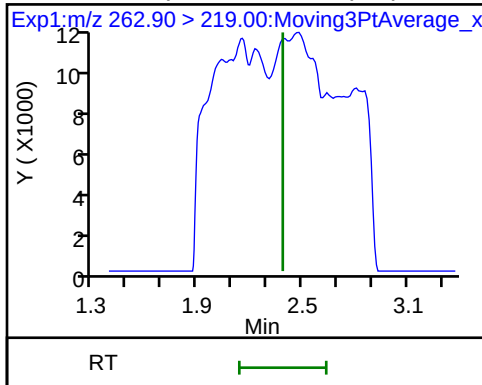
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (ND)

D 47 13C3 PFBS

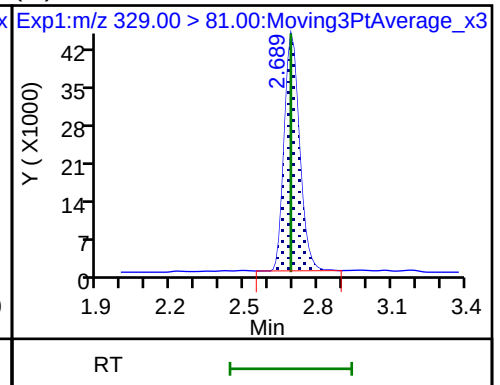
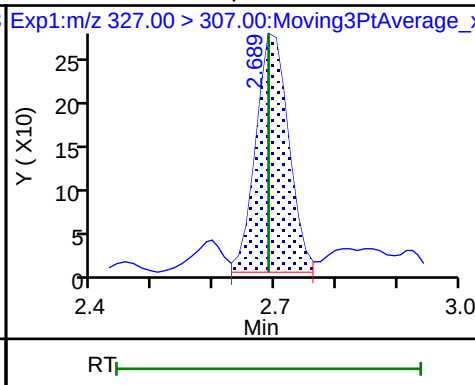
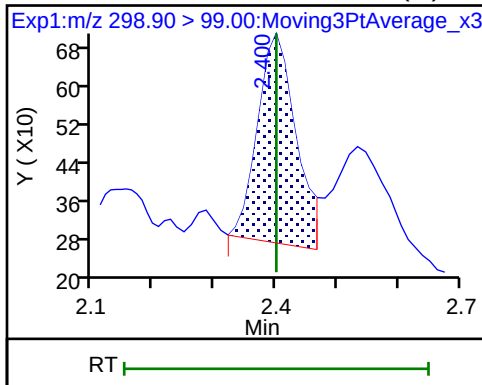
5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid (M)

61 1H,1H,2H,2H-perfluorohexanesulfonate (M)

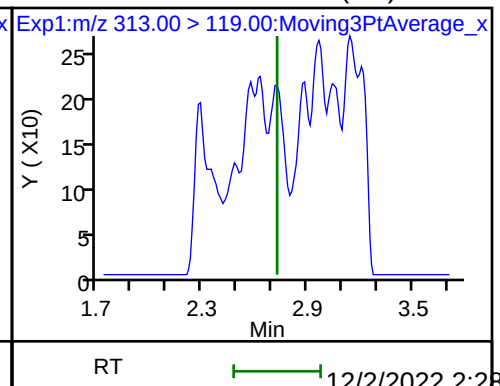
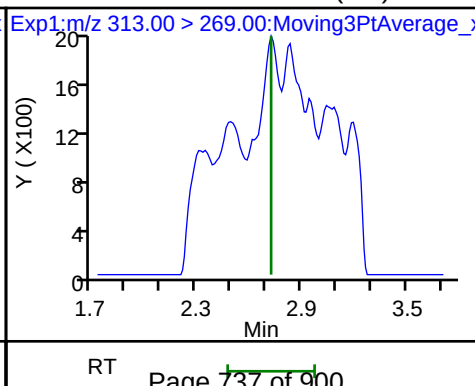
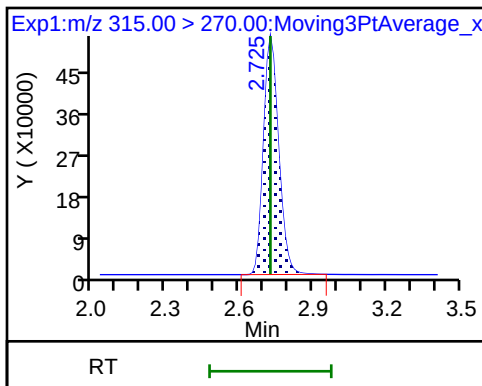
D 50 M2-4:2 FTS

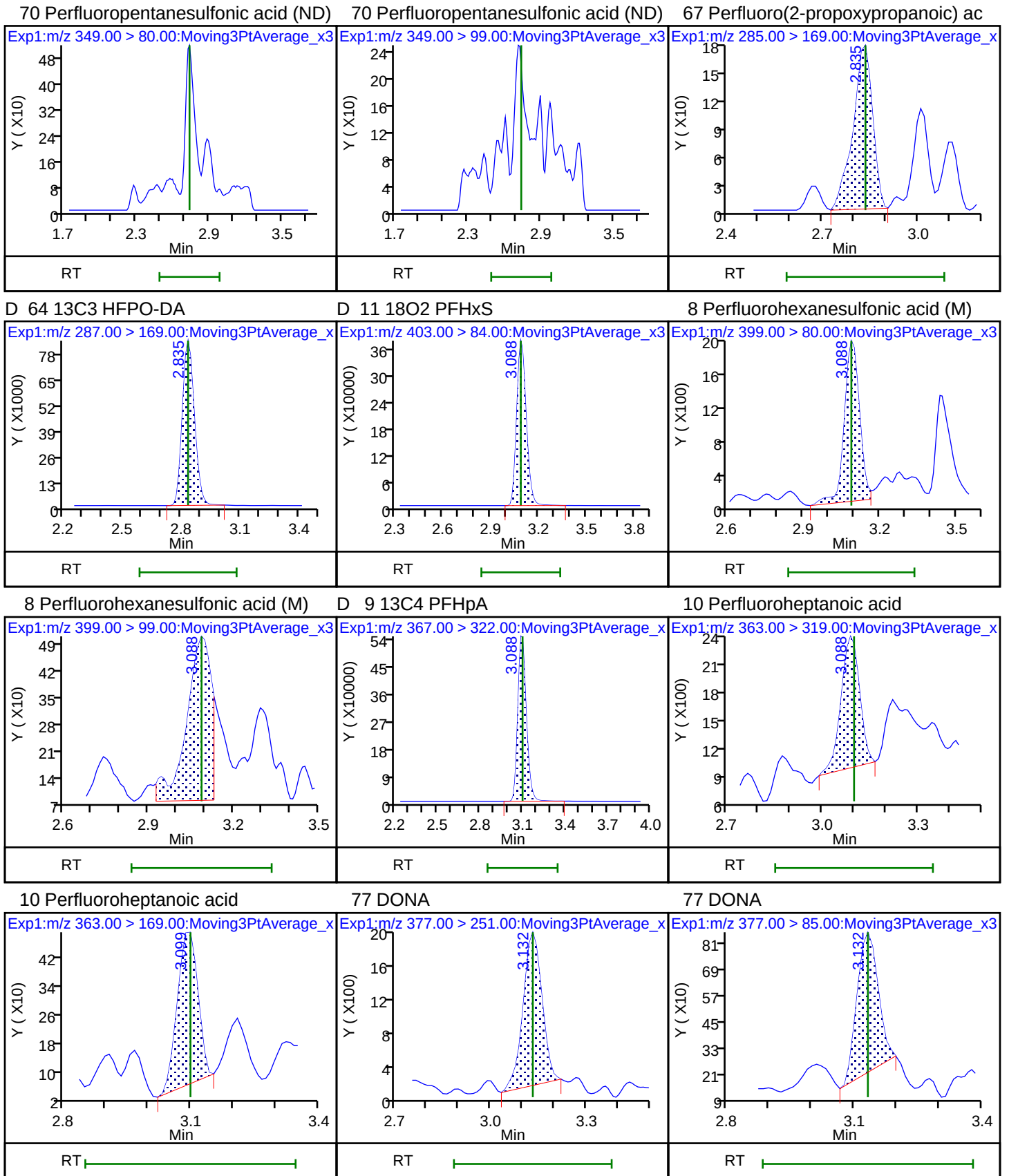


D 7 13C2 PFHxA

6 Perfluorohexanoic acid (ND)

6 Perfluorohexanoic acid (ND)

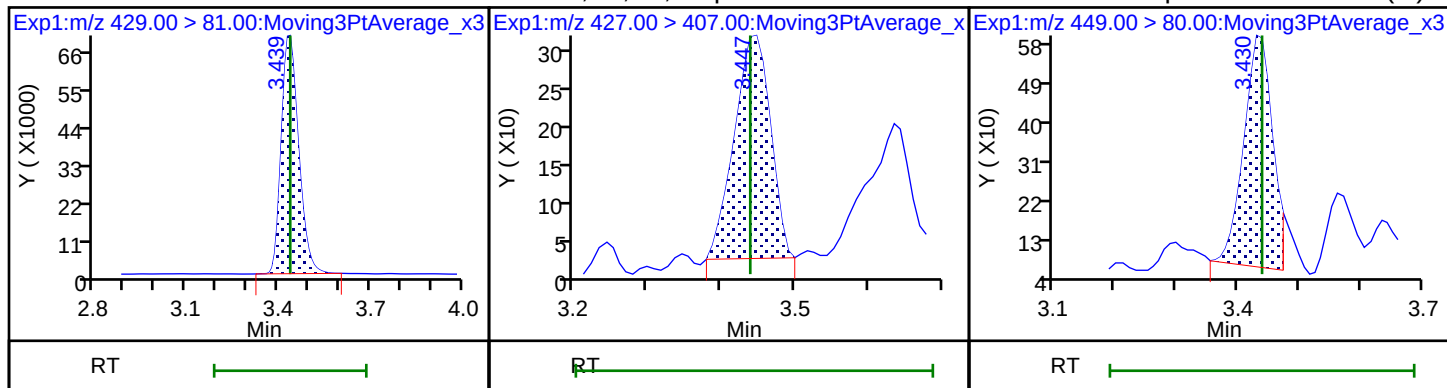




D 12 M2-6:2 FTS

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

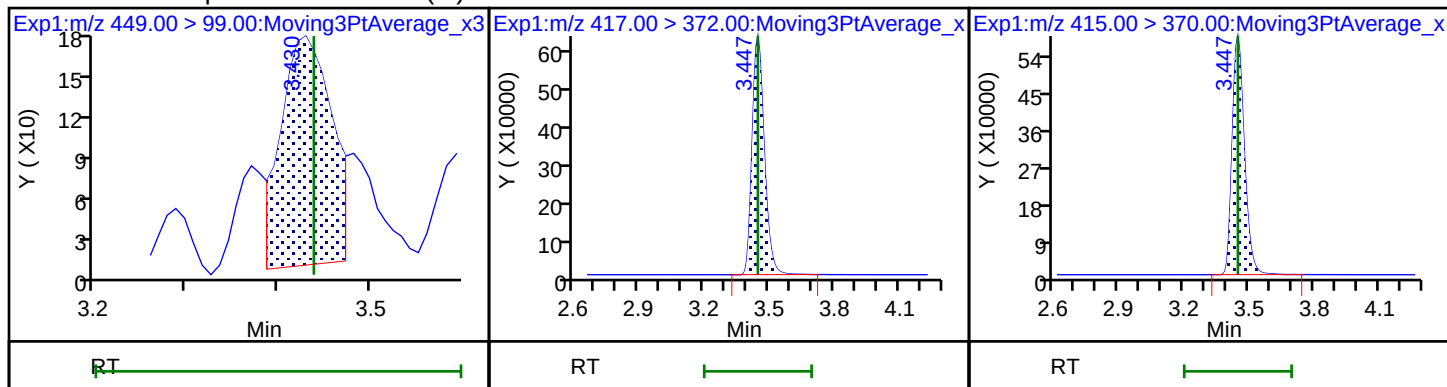
16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

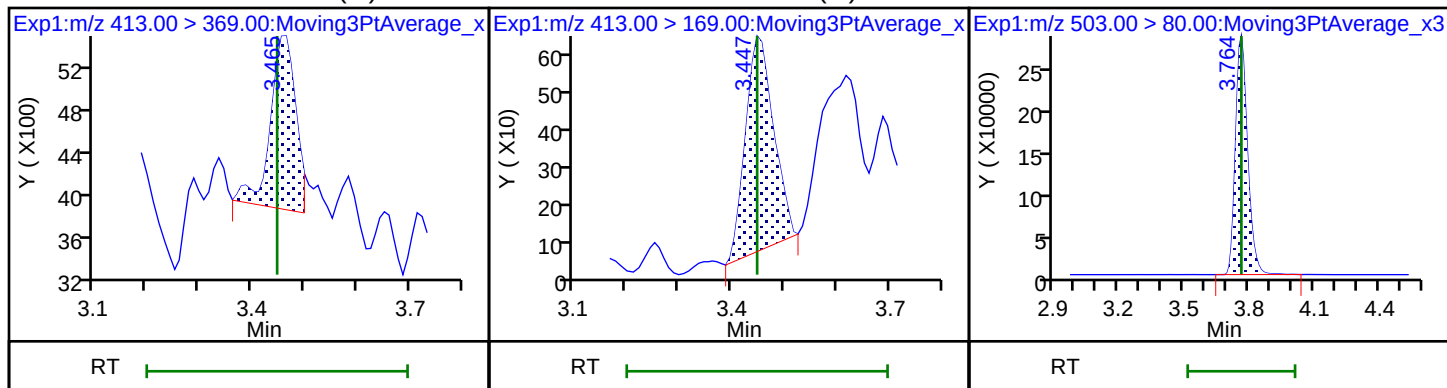
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

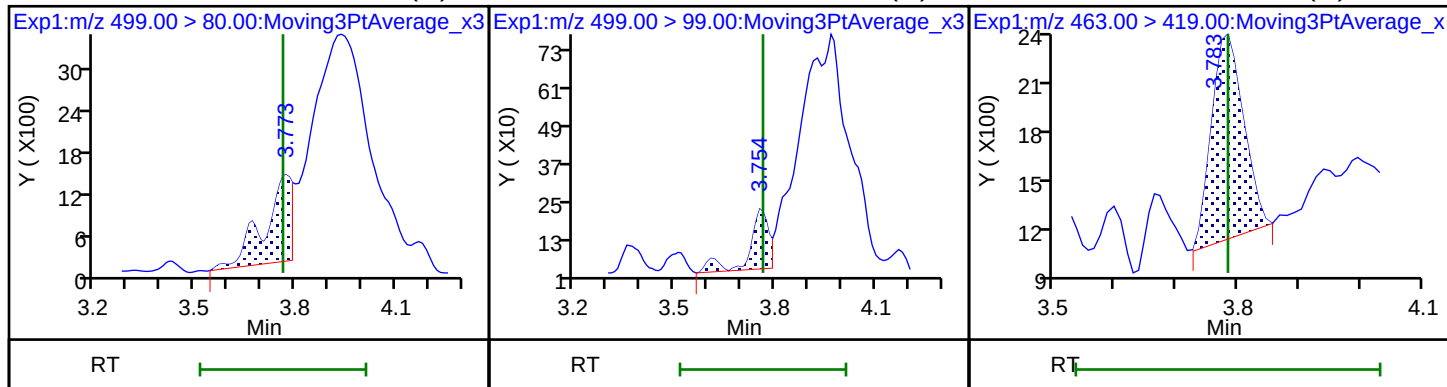
D 18 13C4 PFOS

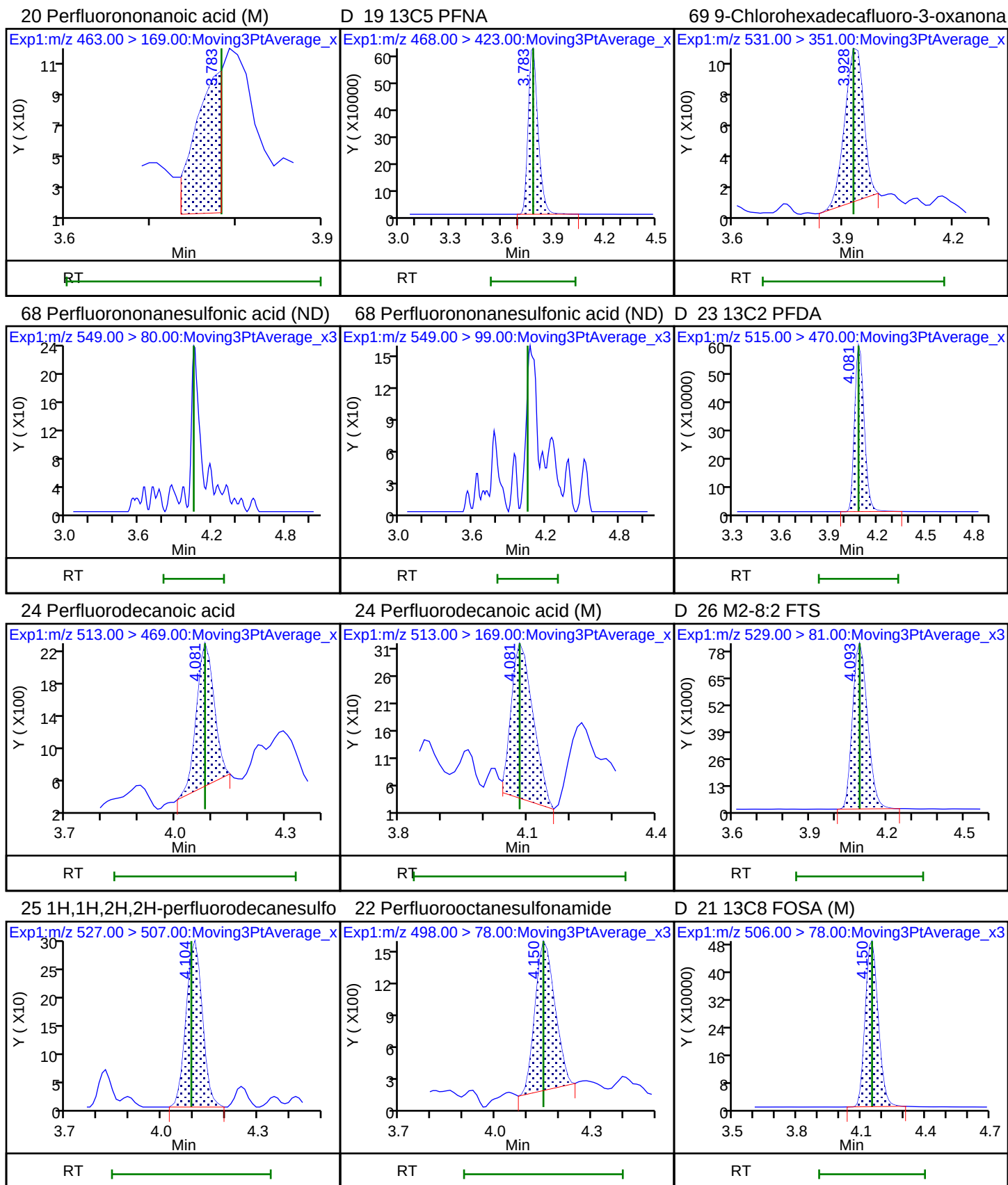


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

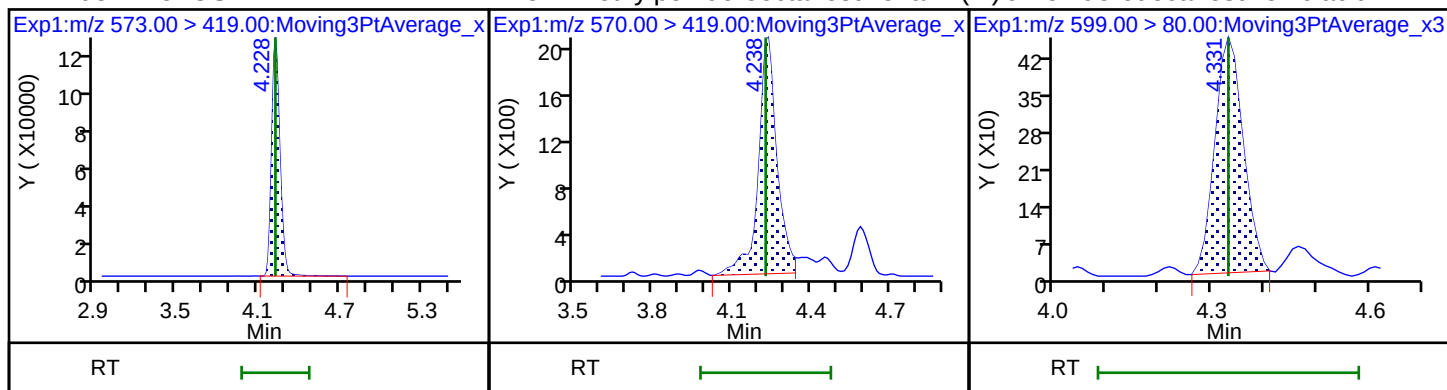
20 Perfluorononanoic acid (M)





D 27 d3-NMeFOSAA

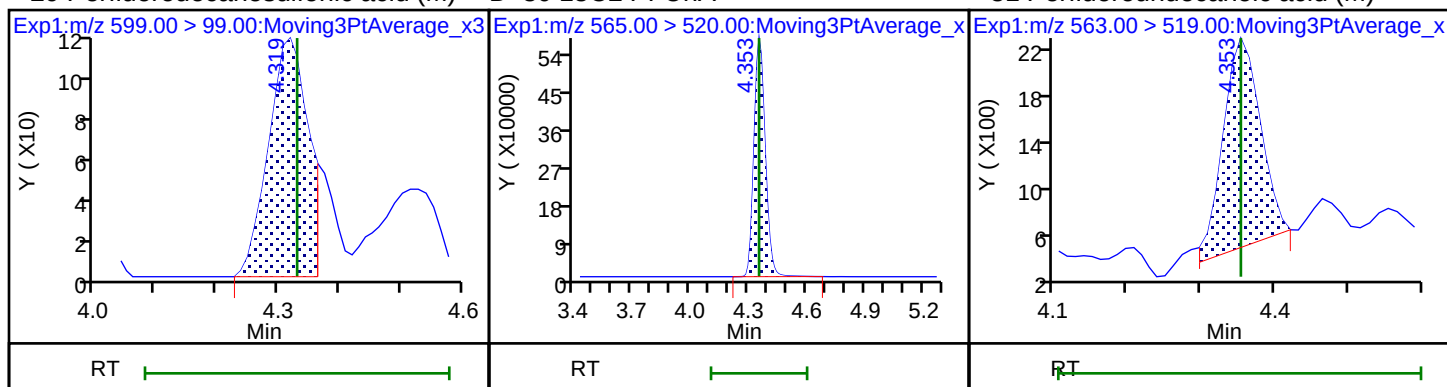
28 N-methylperfluorooctanesulfonami (M) 29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid (M)

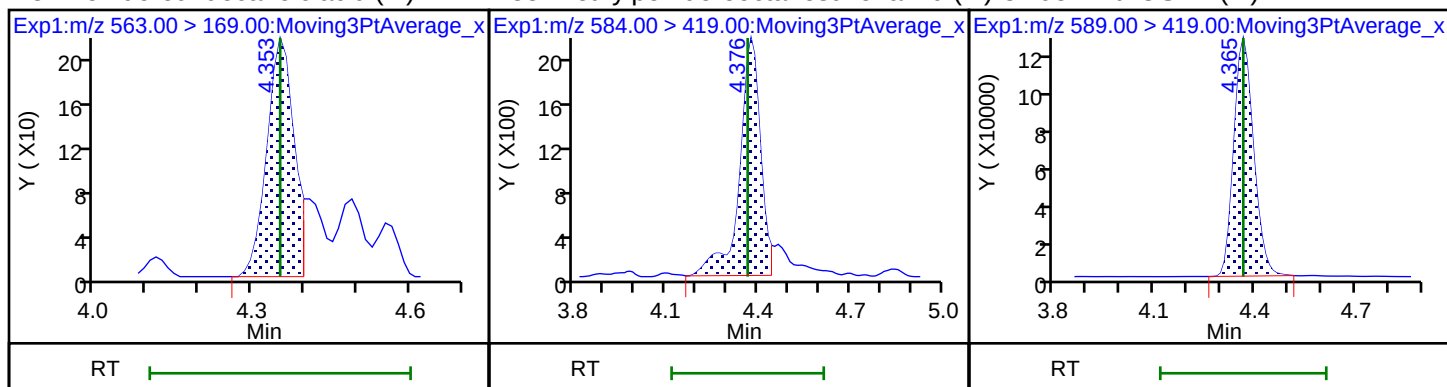
D 30 13C2 PFUnA

31 Perfluoroundecanoic acid (M)



31 Perfluoroundecanoic acid (M)

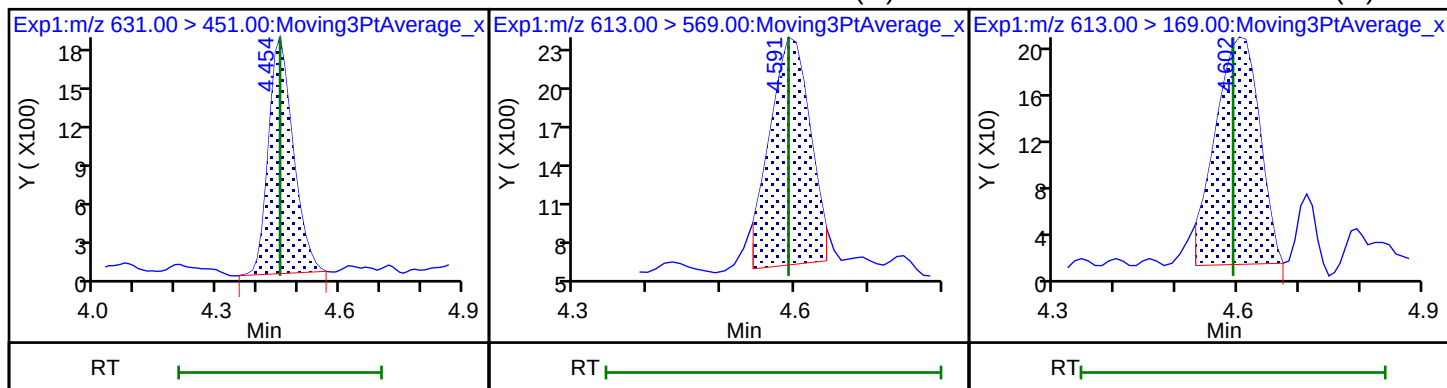
33 N-ethylperfluorooctanesulfonamid (M) 32 d5-NEtFOSAA (M)



66 11-Chloroeicosafluoro-3-oxaundec

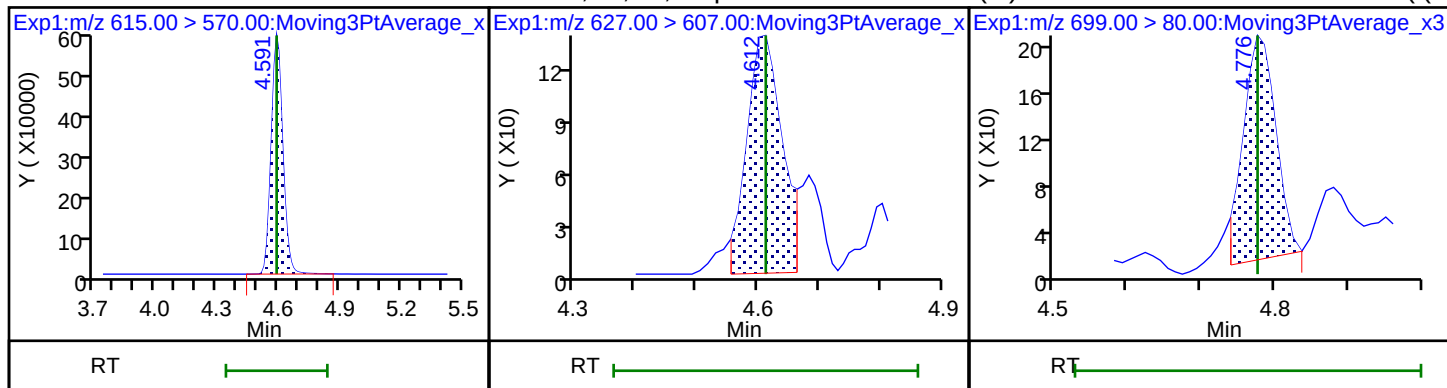
37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid (M)



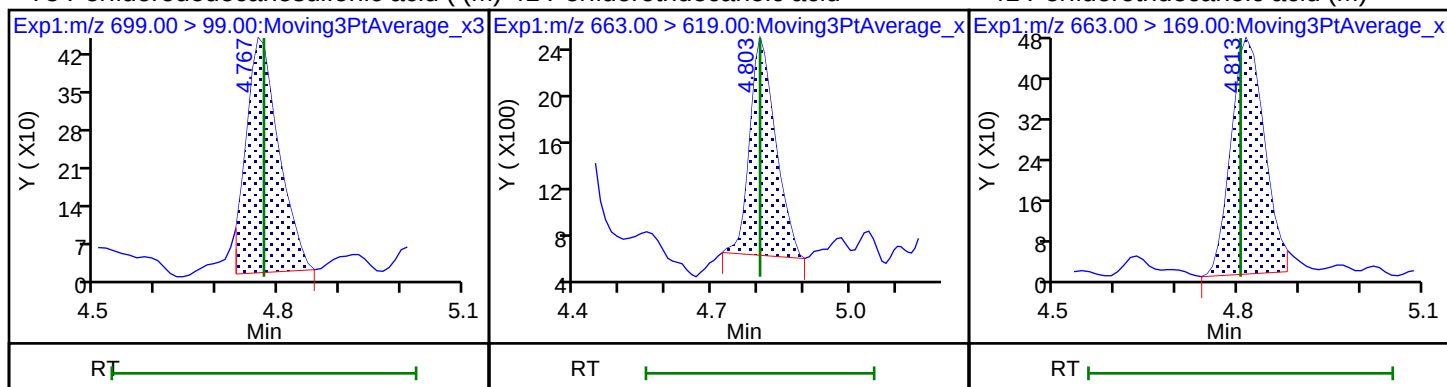
D 36 13C2 PFDaA

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



75 Perfluorododecanesulfonic acid ((M) 41 Perfluorotridecanoic acid

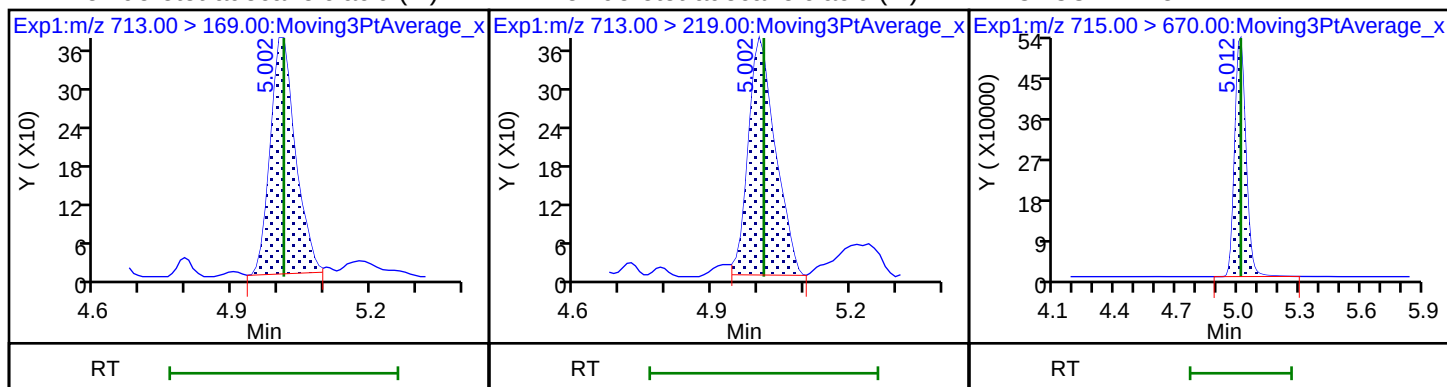
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

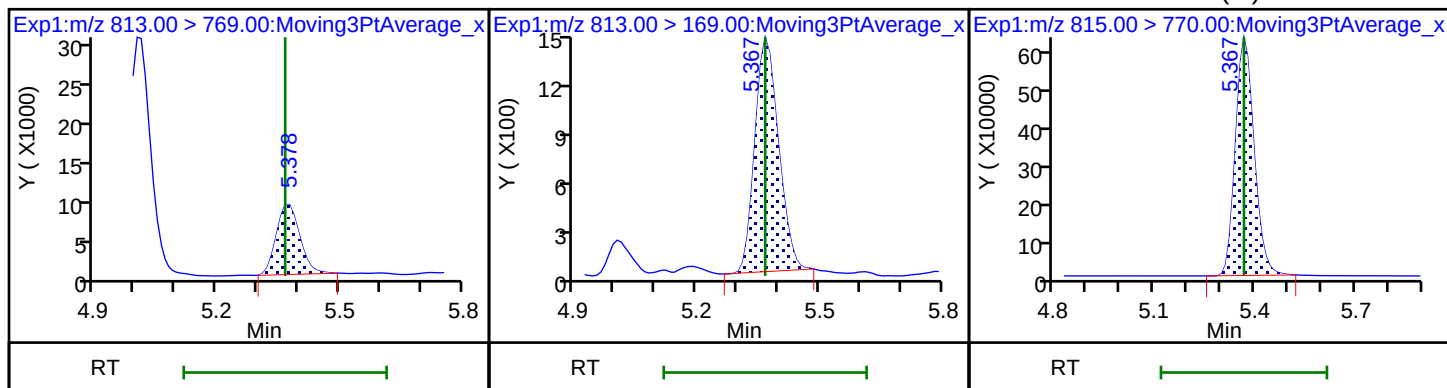
D 43 13C2 PFTeDA



45 Perfluorohexadecanoic acid

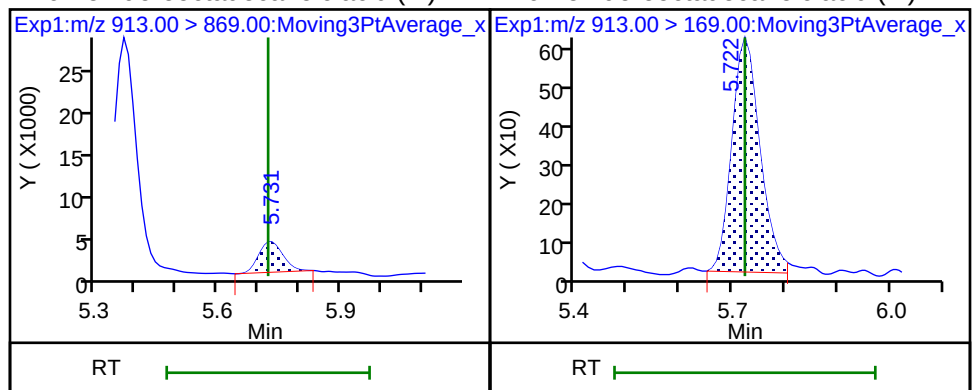
45 Perfluorohexadecanoic acid

D 44 13C2 PFHxDA (M)



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



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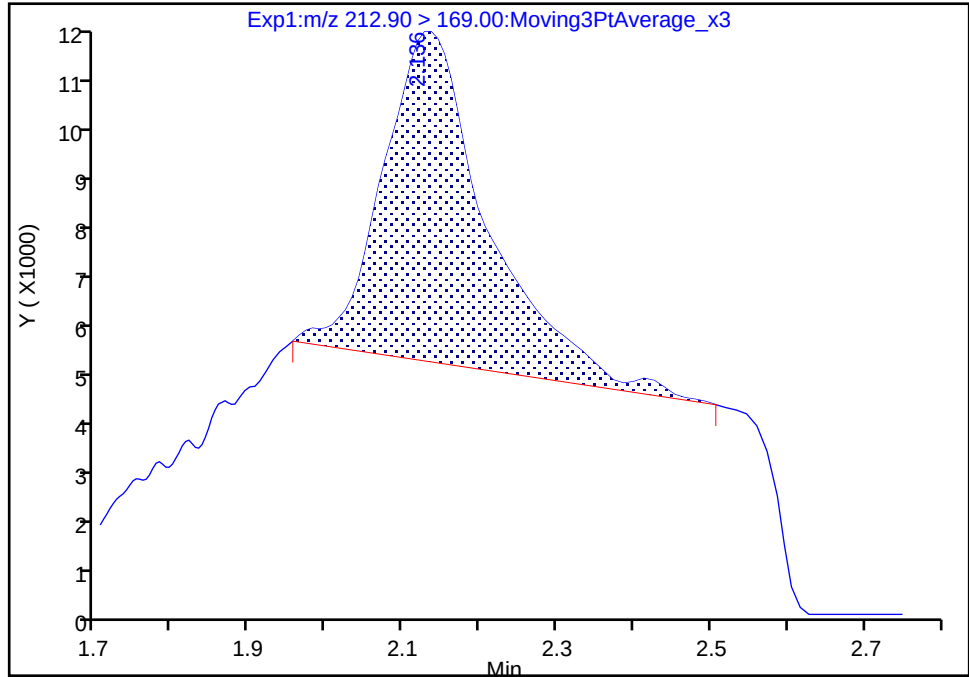
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

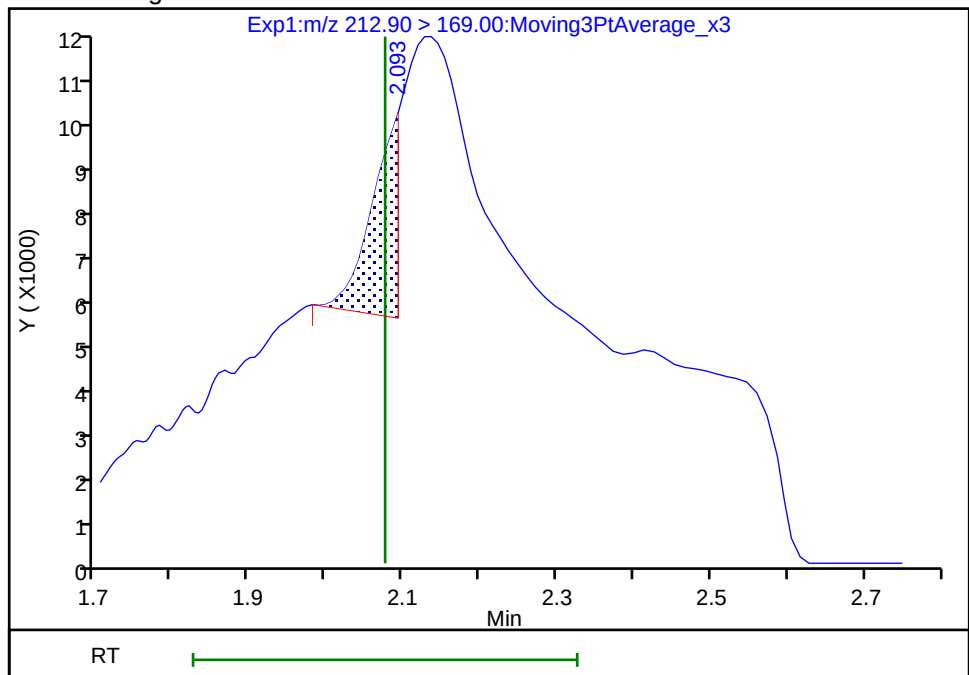
RT: 2.14
Area: 60893
Amount: 0.027432
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 10011
Amount: 0.004510
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 21-Nov-2022 08:20:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

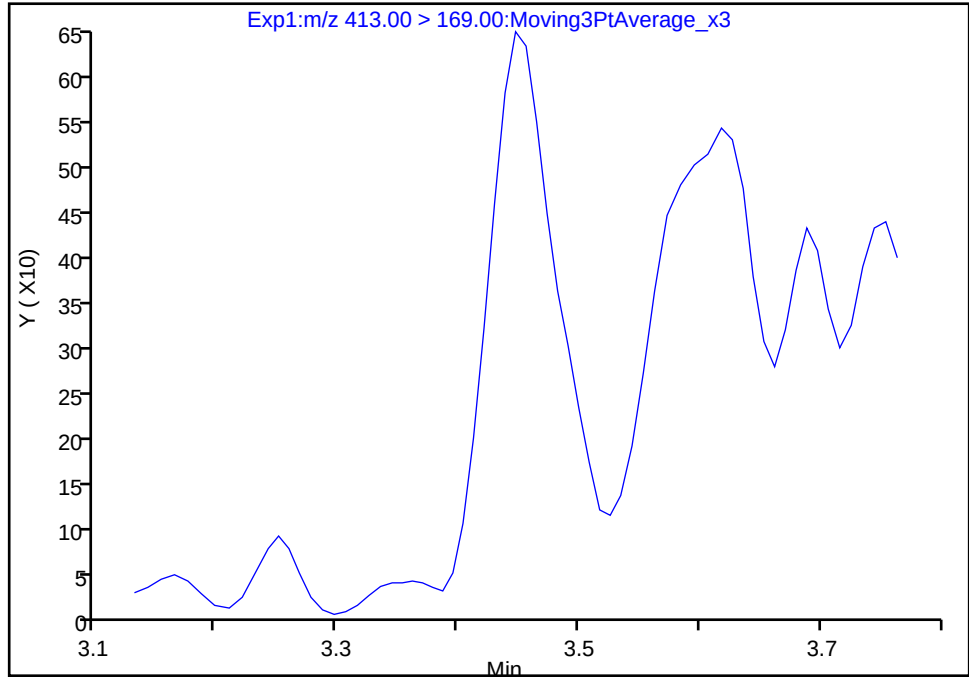
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

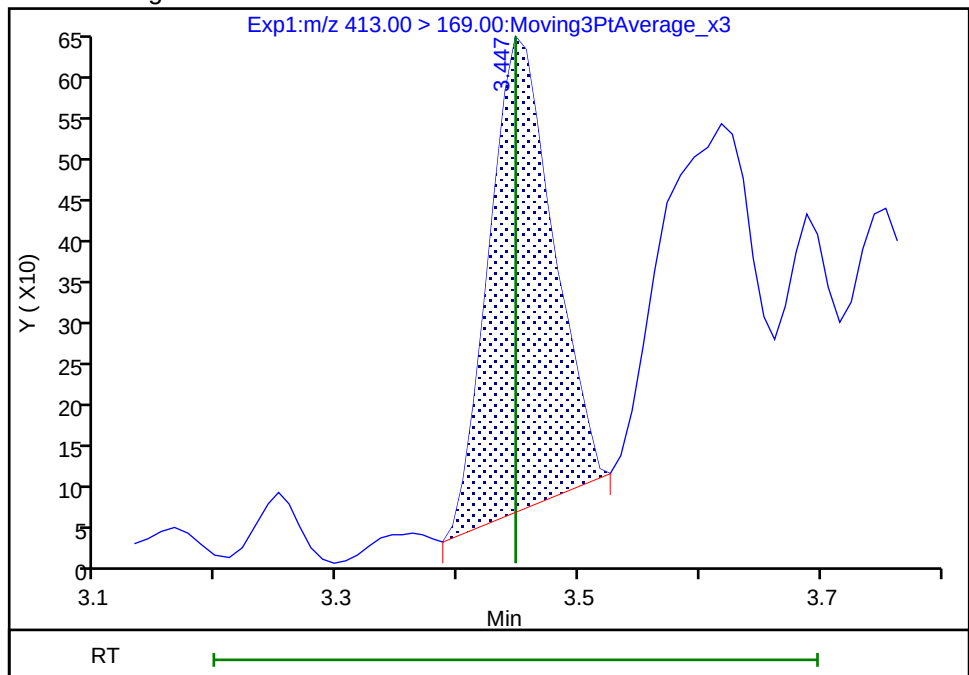
Signal: 2

Not Detected
Expected RT: 3.45

Processing Integration Results



Manual Integration Results



RT: 3.45
Area: 2152
Amount: 0.002512
Amount Units: ng/ml

Reviewer: Z1IP, 21-Nov-2022 08:22:37

Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins Burlington

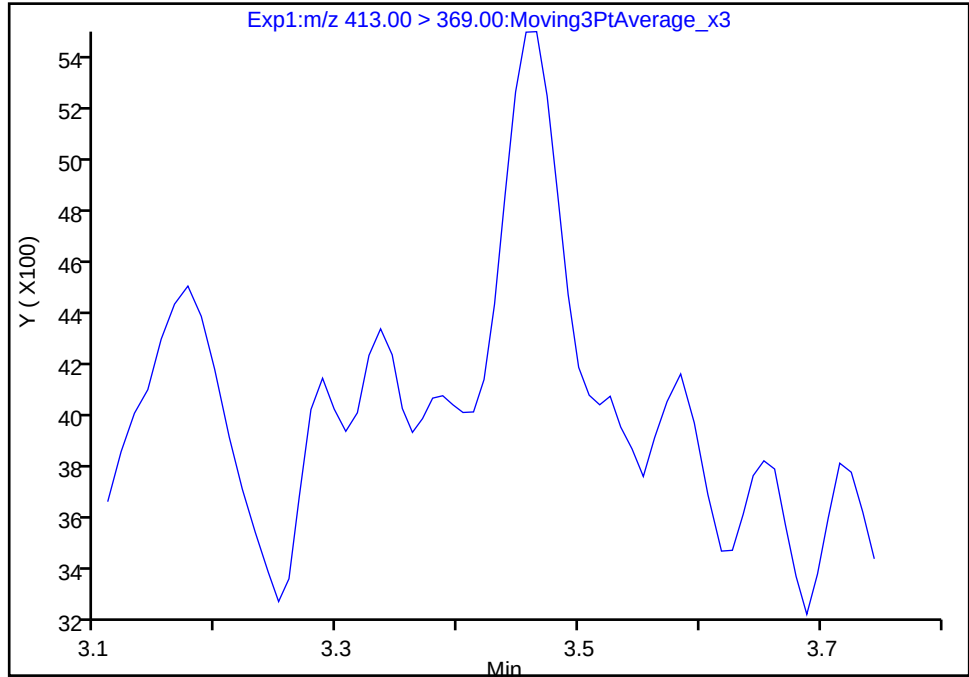
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

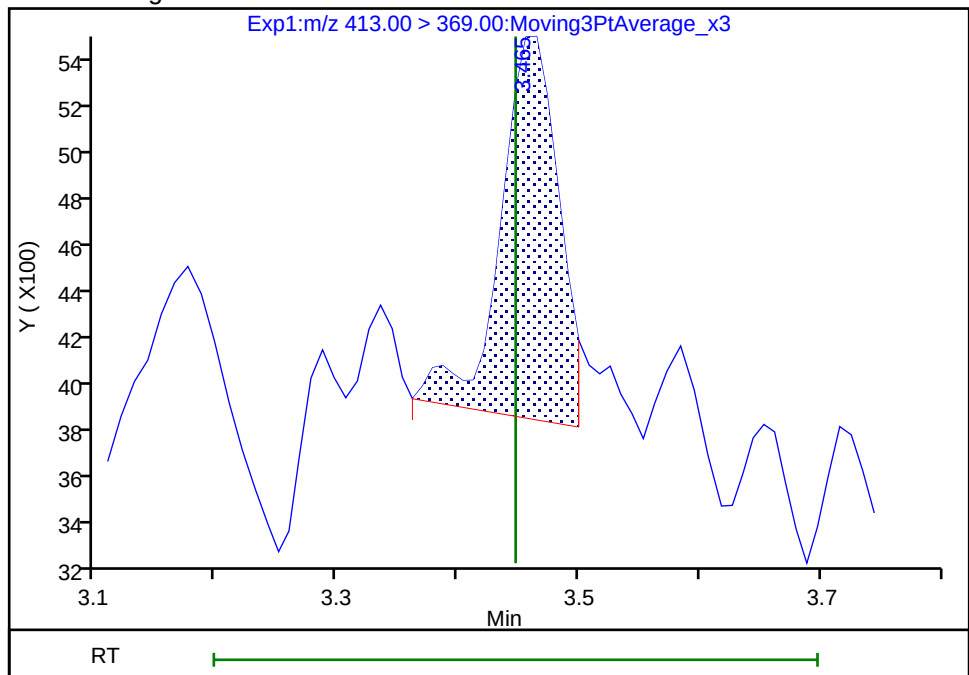
Not Detected
Expected RT: 3.45

Processing Integration Results



Manual Integration Results

RT: 3.46
Area: 5314
Amount: 0.002512
Amount Units: ng/ml



Reviewer: Z1IP, 21-Nov-2022 08:22:40

Audit Action: Manually Integrated

Audit Reason: Missed Peak
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PM

Eurofins Burlington

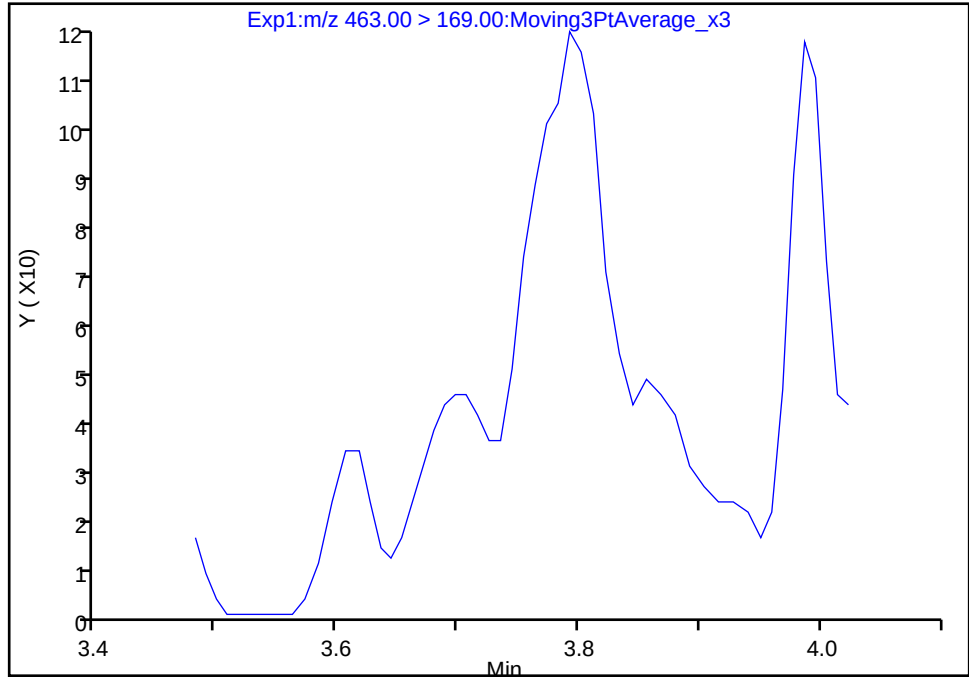
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

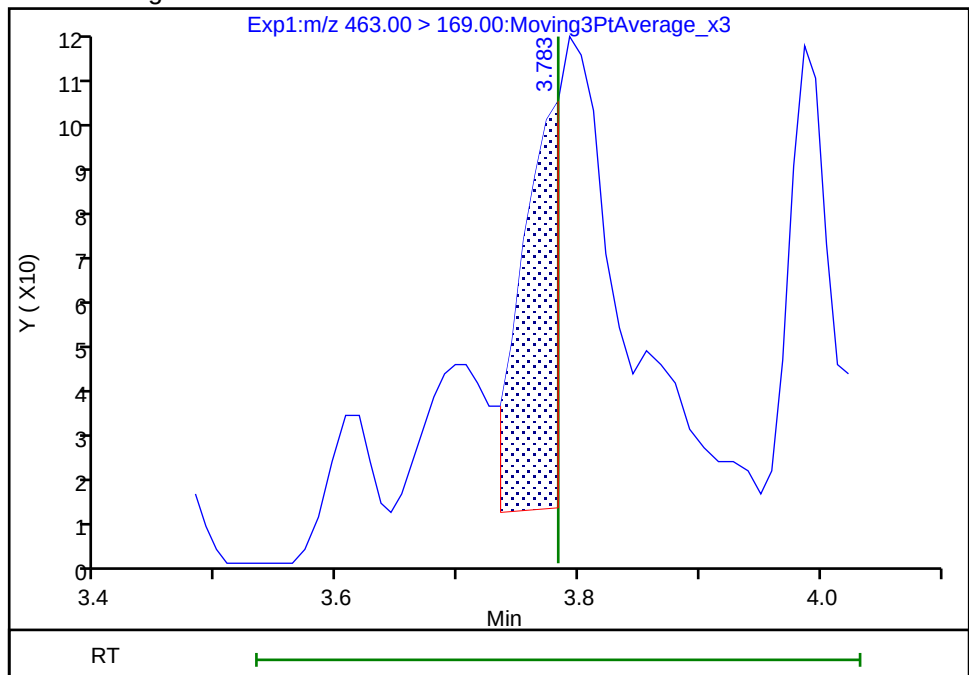
Not Detected
Expected RT: 3.78

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
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PM

Eurofins Burlington

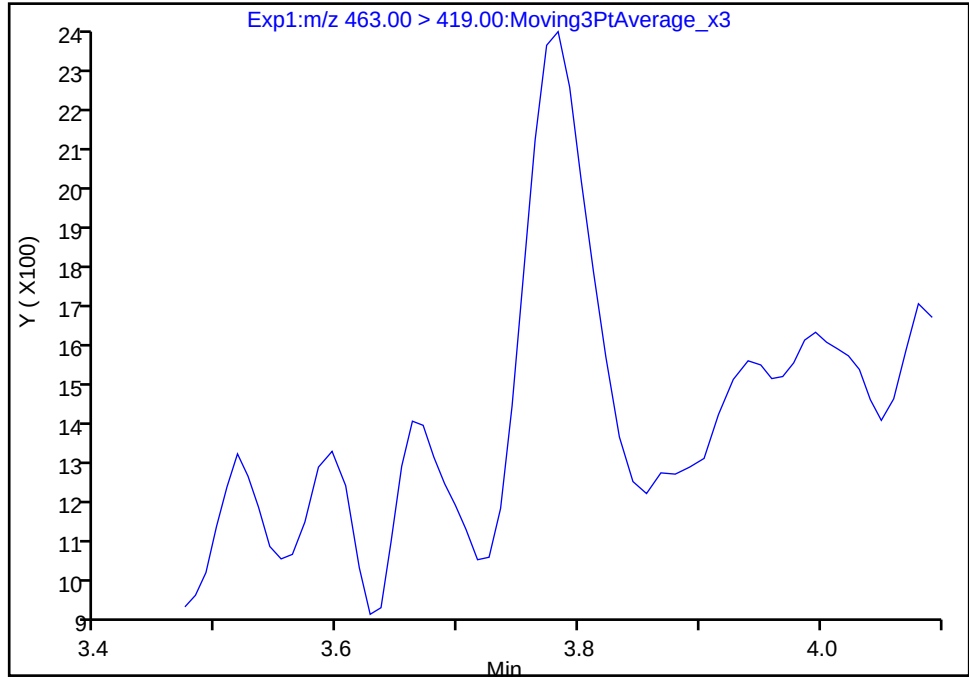
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

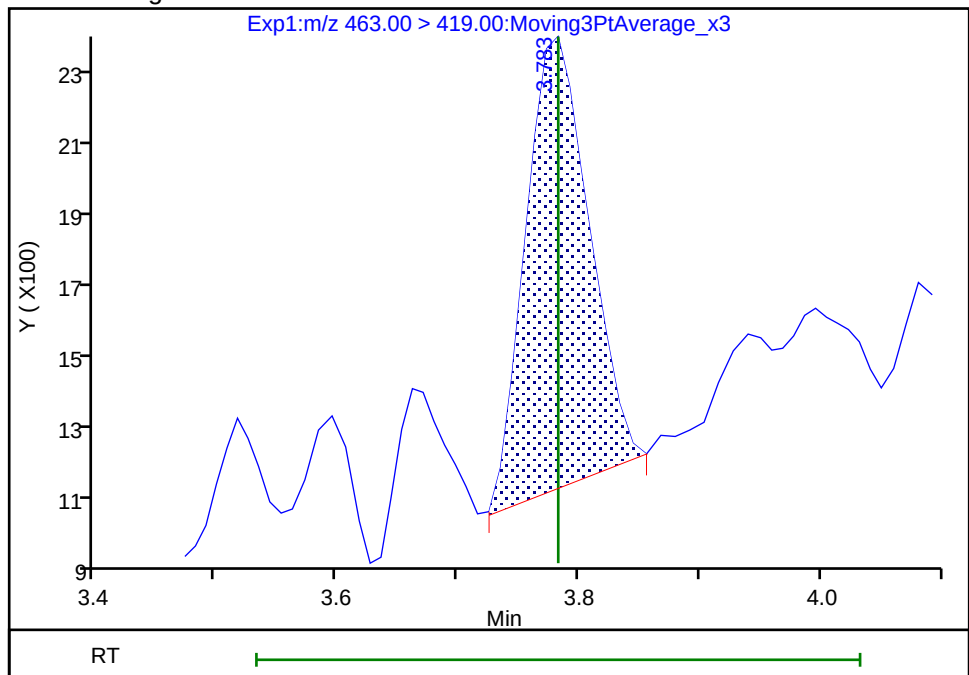
Not Detected
Expected RT: 3.78

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

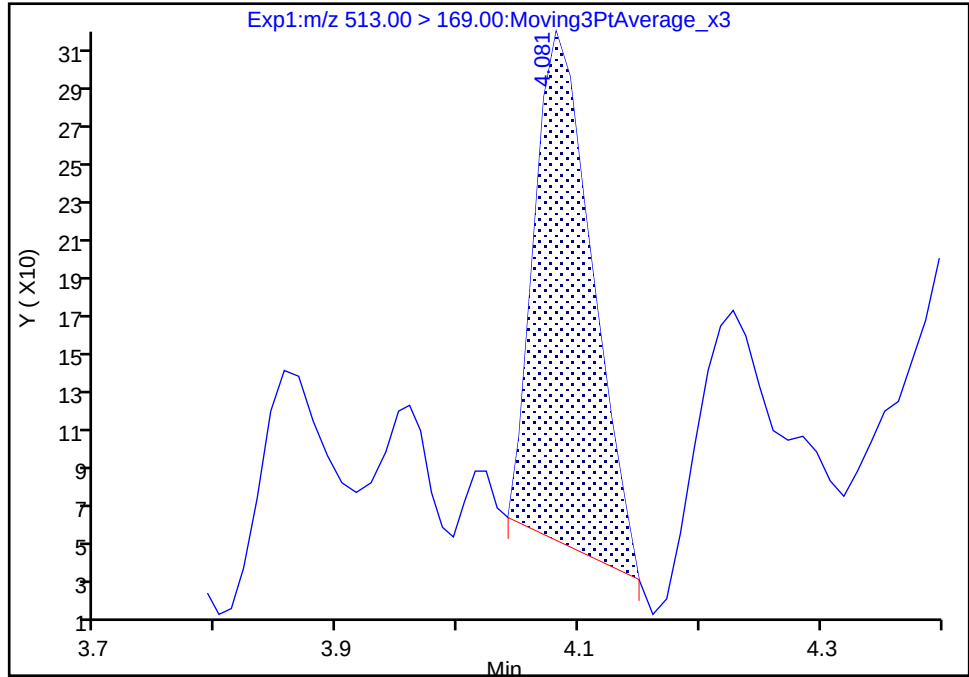
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

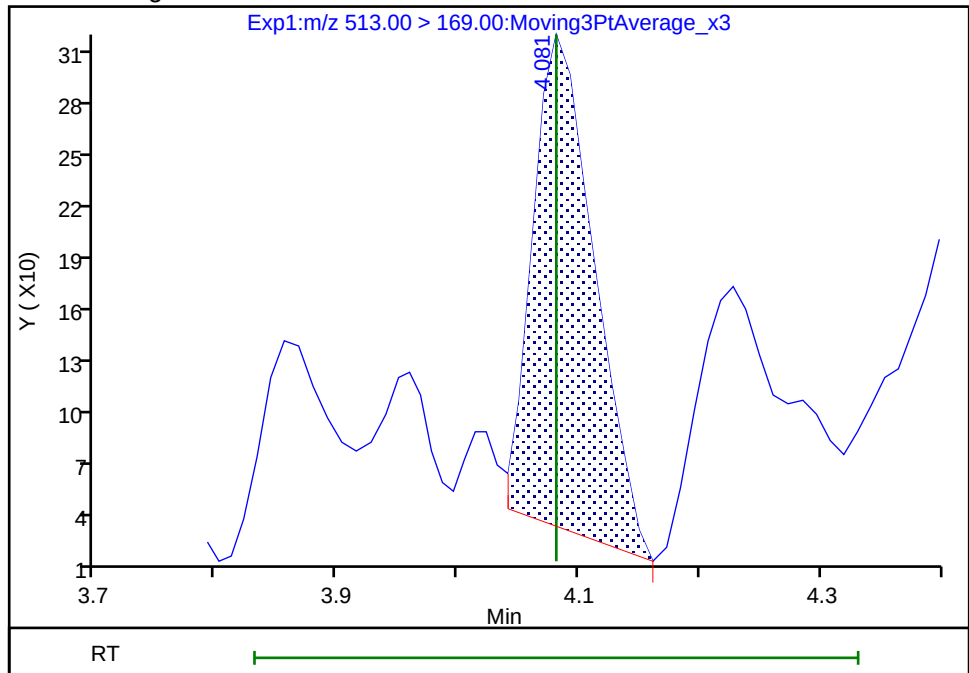
RT: 4.08
Area: 876
Amount: 0.002760
Amount Units: ng/ml

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
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PM

Eurofins Burlington

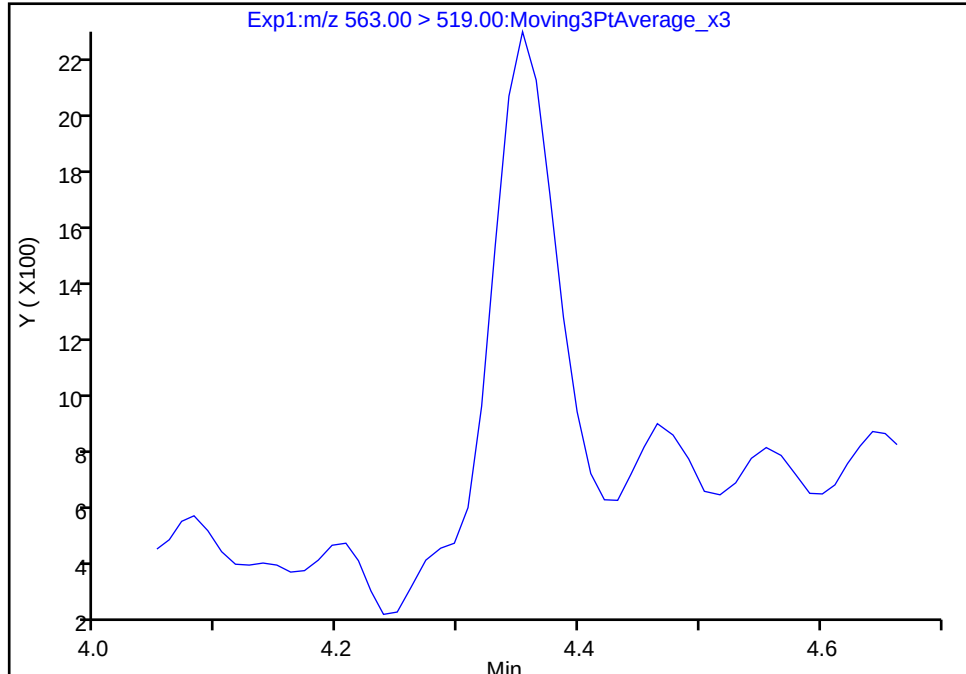
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

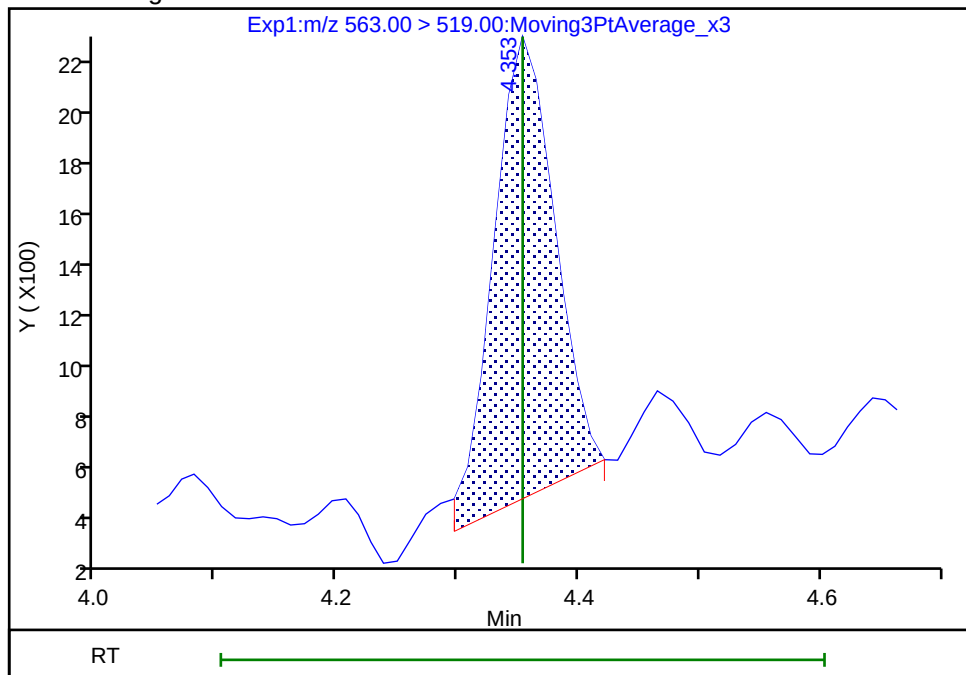
Signal: 1

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

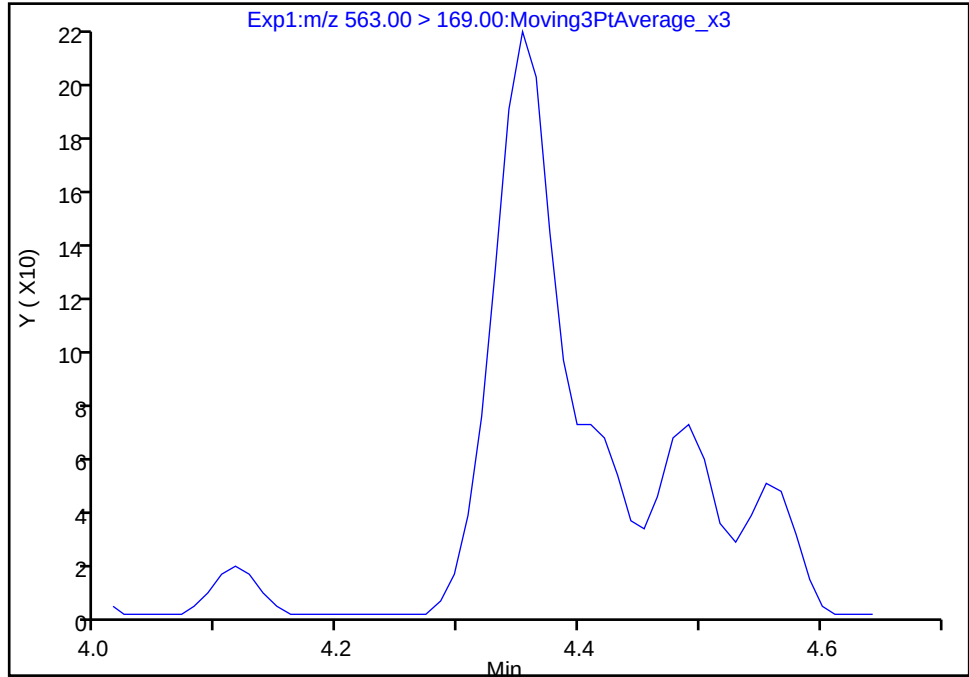
Data File:	\\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d		
Injection Date:	18-Nov-2022 15:18:56	Instrument ID:	LC812
Lims ID:	ICB		
Client ID:			
Operator ID:	lc812tech	ALS Bottle#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1
		Worklist Smp#:	11

31 Perfluoroundecanoic acid, CAS: 2058-94-8

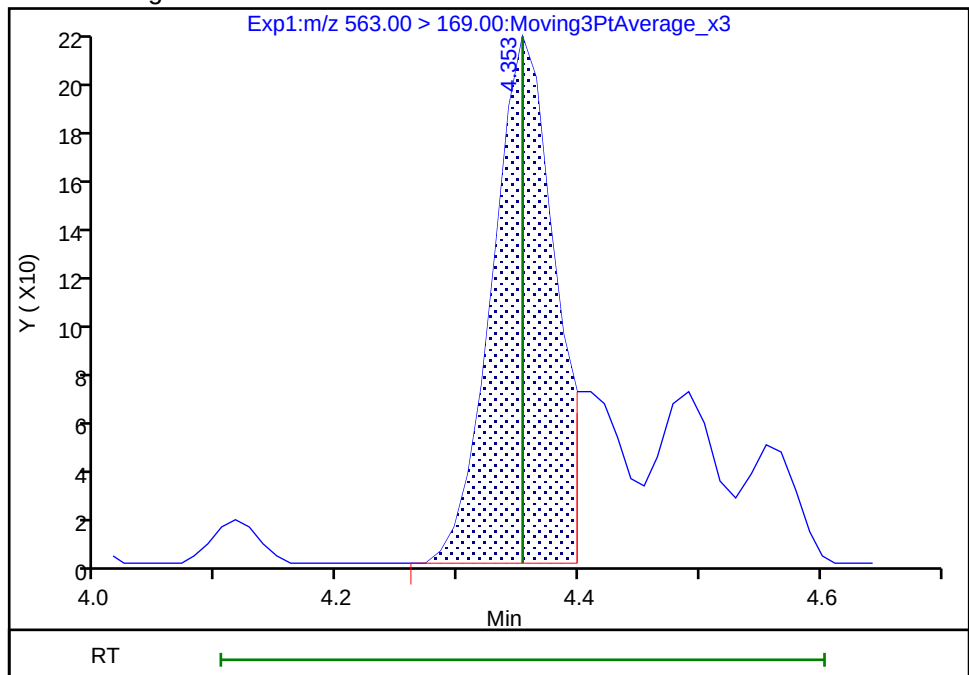
Signal: 2

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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PM

Eurofins Burlington

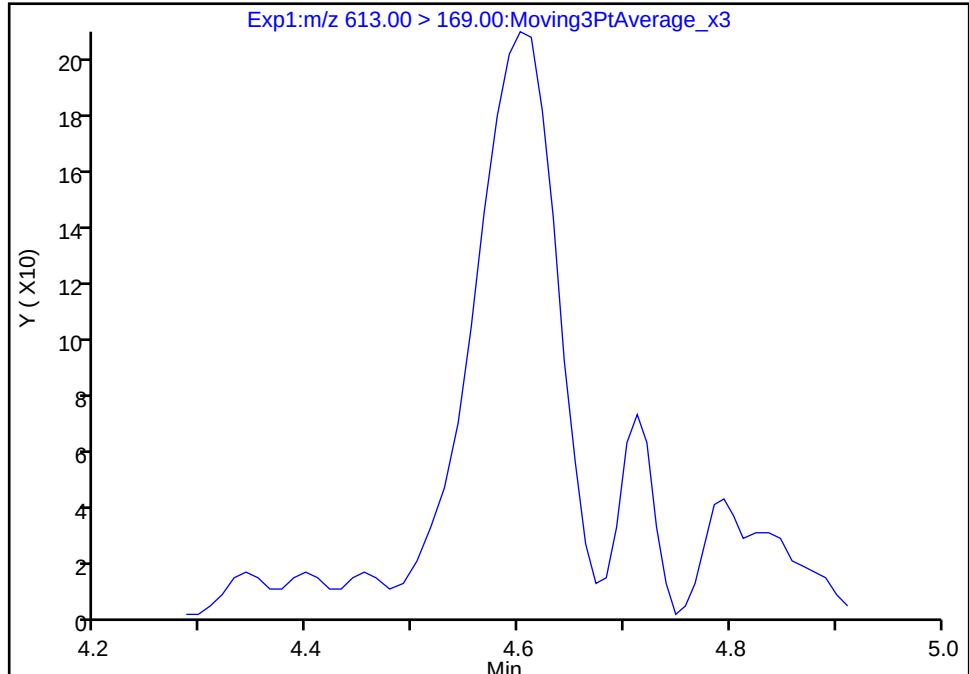
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

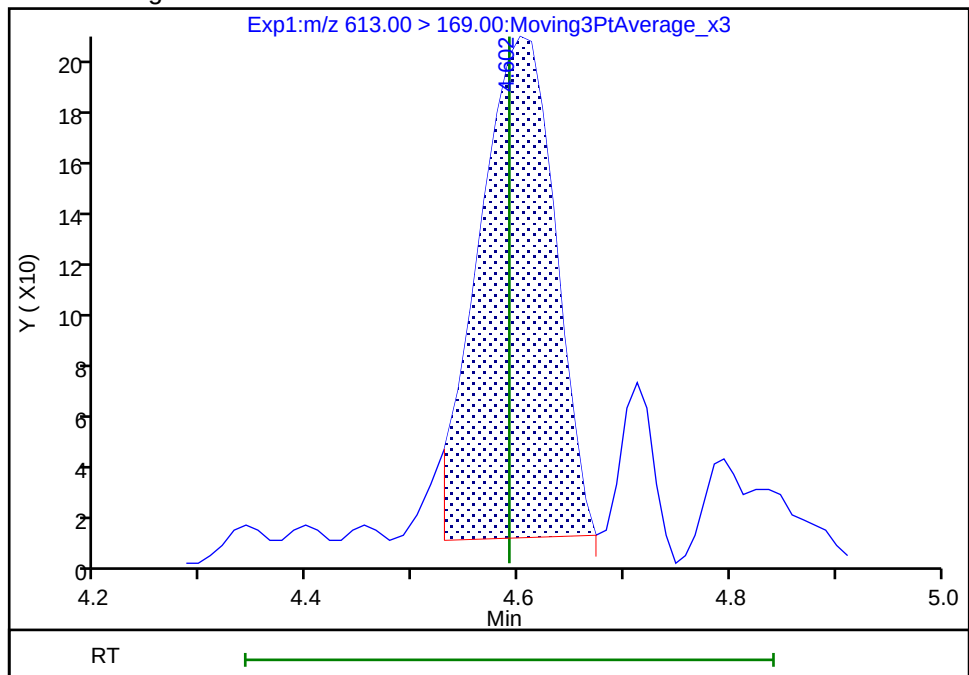
Not Detected
Expected RT: 4.59

Processing Integration Results



Manual Integration Results

RT: 4.60
Area: 984
Amount: 0.003355
Amount Units: ng/ml



Reviewer: Z1IP, 21-Nov-2022 08:25:29

Audit Action: Manually Integrated

Audit Reason: Missed Peak

Eurofins Burlington

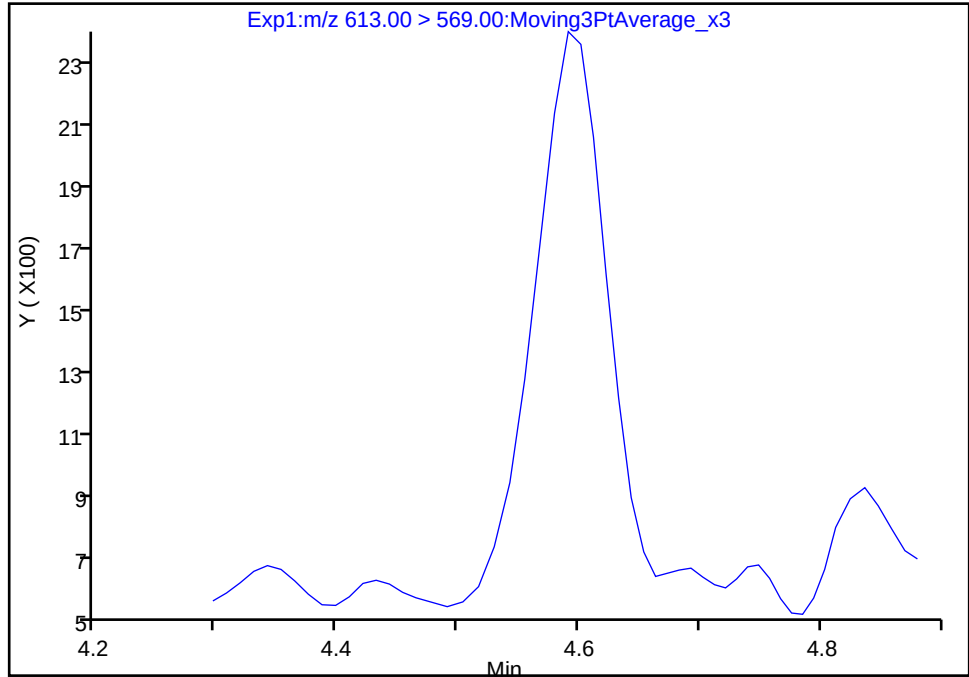
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

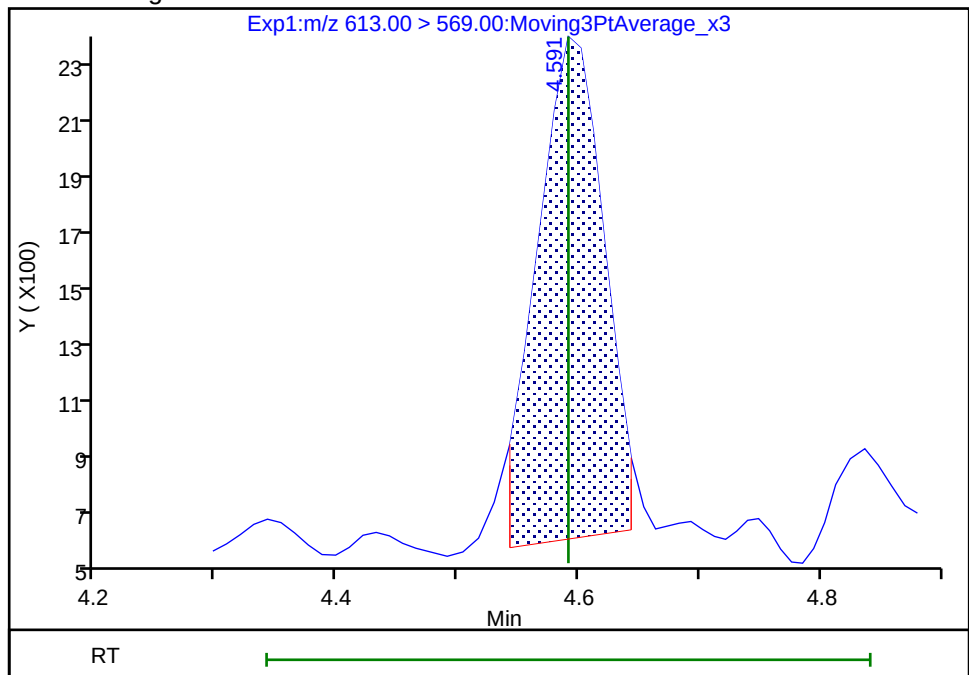
Not Detected
Expected RT: 4.59

Processing Integration Results



Manual Integration Results

RT: 4.59
Area: 6630
Amount: 0.003355
Amount Units: ng/ml



Reviewer: Z1IP, 21-Nov-2022 08:25:35

Audit Action: Manually Integrated

Audit Reason: Missed Peak
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PM

Eurofins Burlington

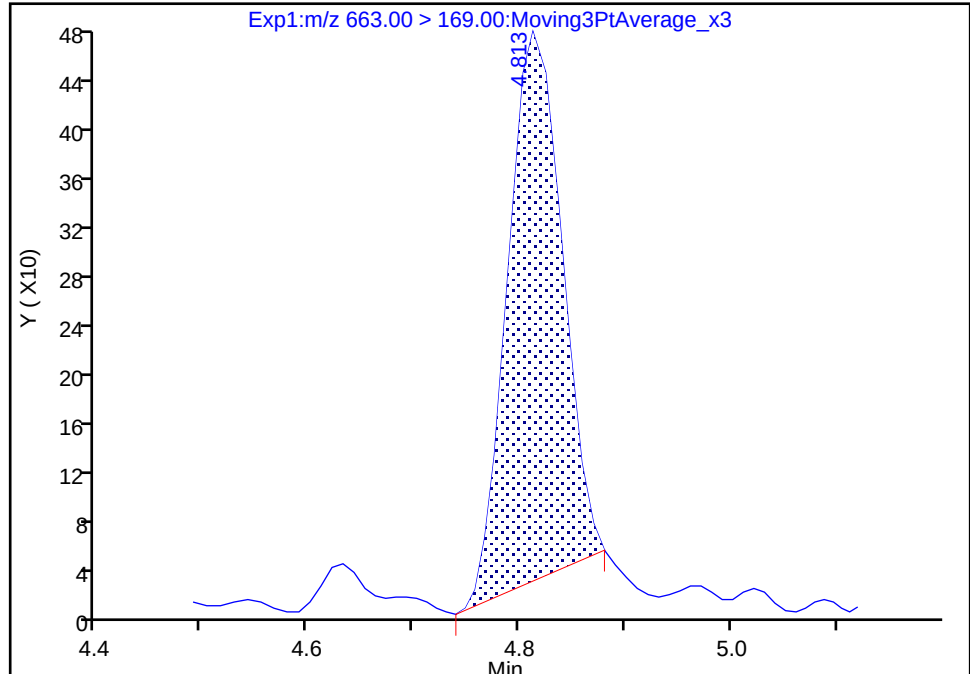
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

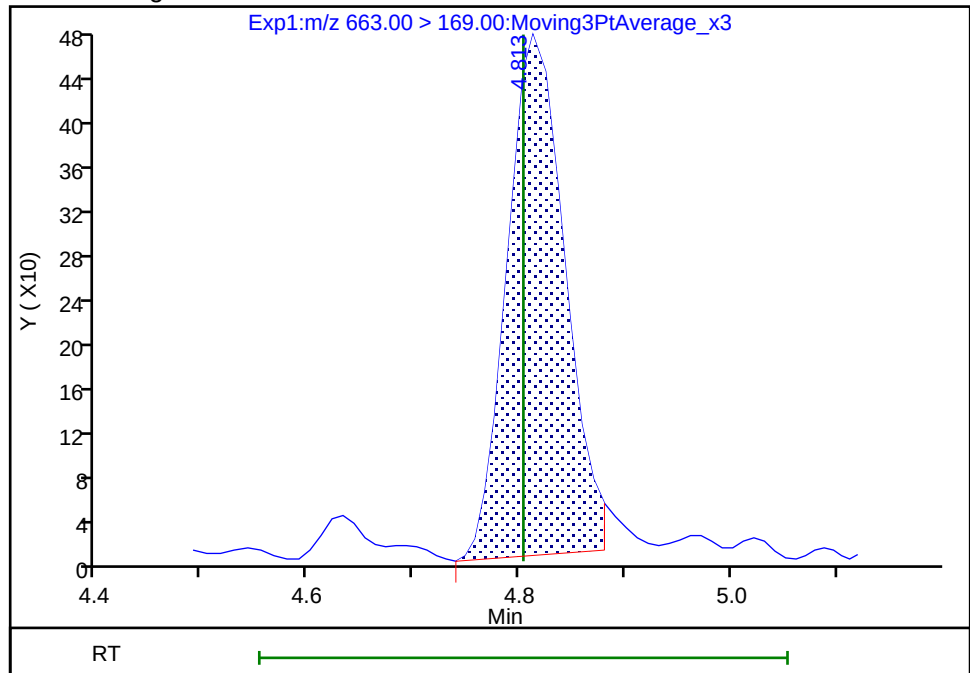
RT: 4.81
Area: 1591
Amount: 0.003827
Amount Units: ng/ml

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
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PM

Eurofins Burlington

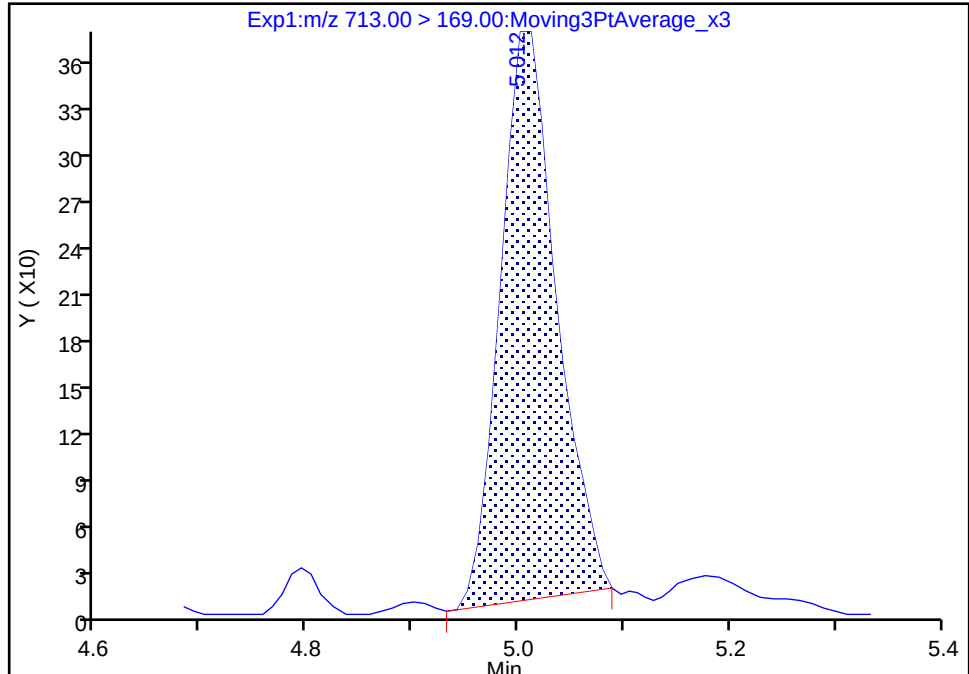
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

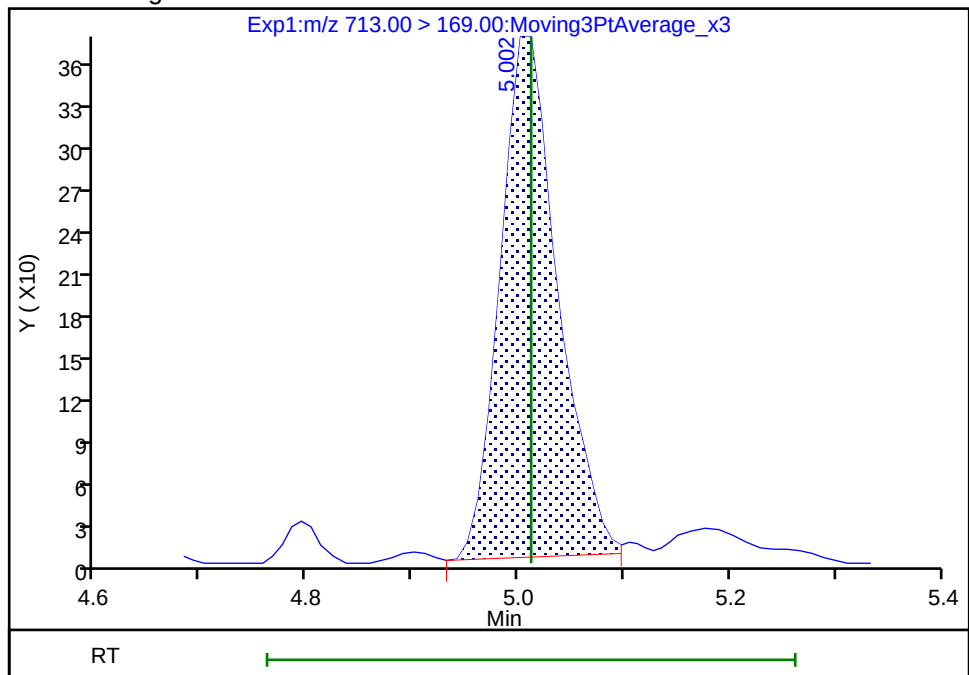
RT: 5.01
Area: 1356
Amount: 0.006171
Amount Units: ng/ml

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

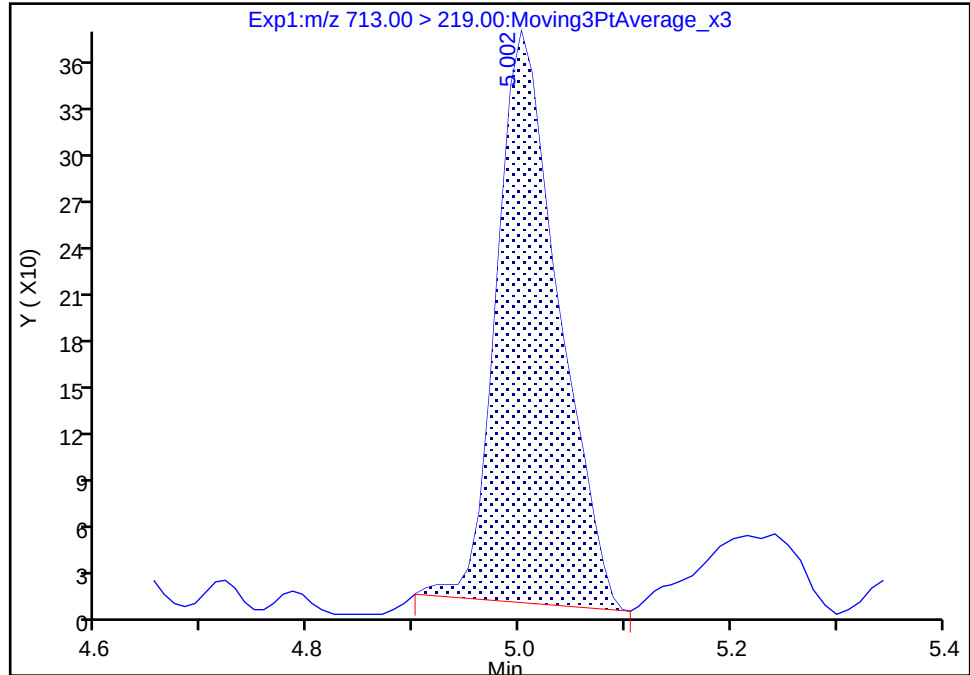
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

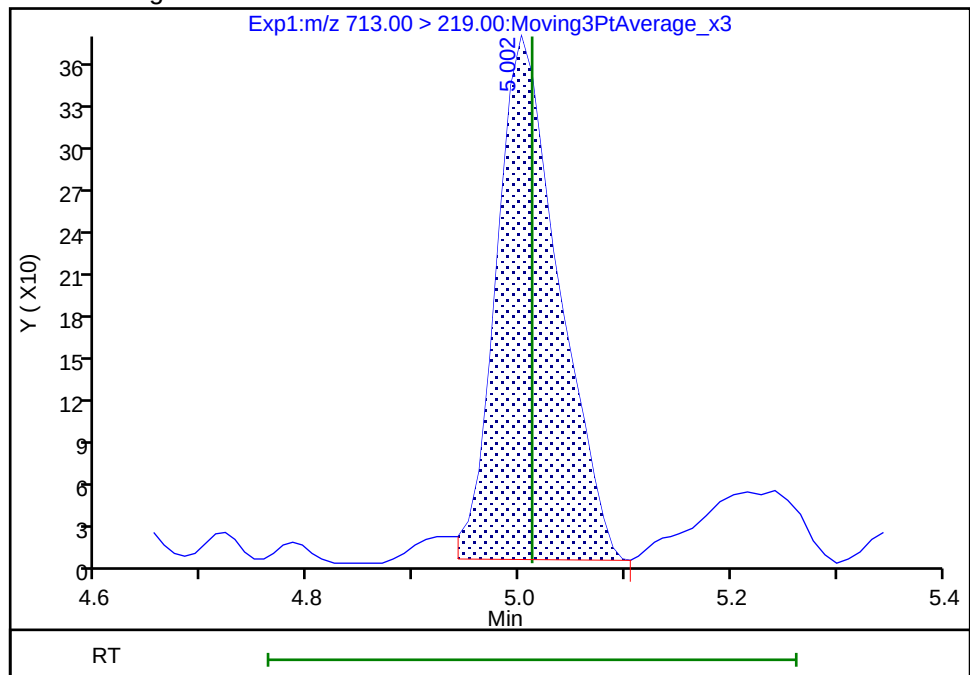
RT: 5.00
Area: 1502
Amount: 0.006171
Amount Units: ng/ml

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
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PM

Eurofins Burlington

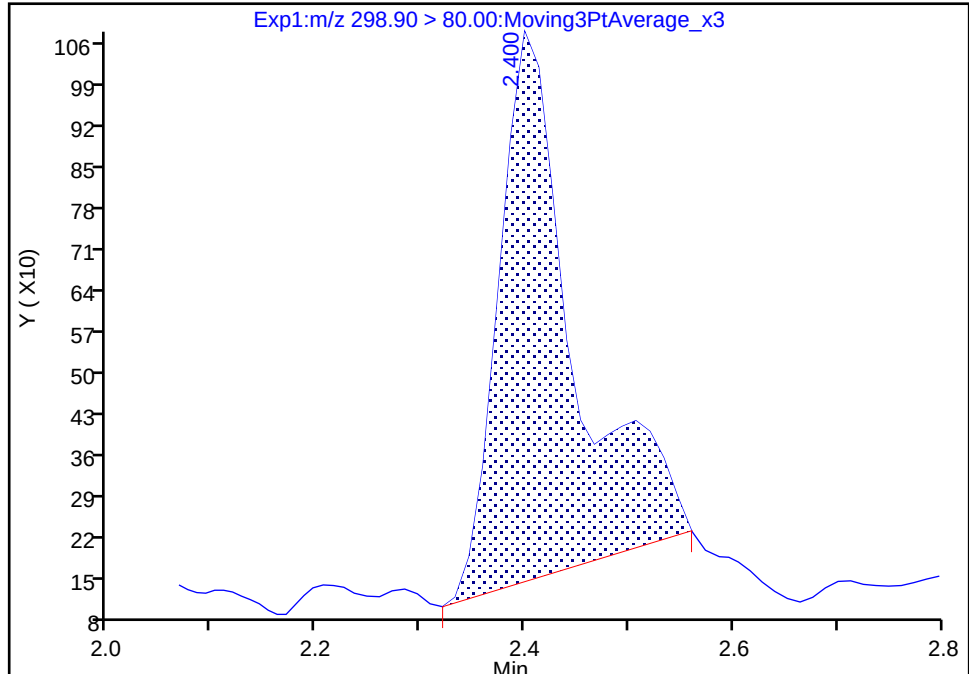
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

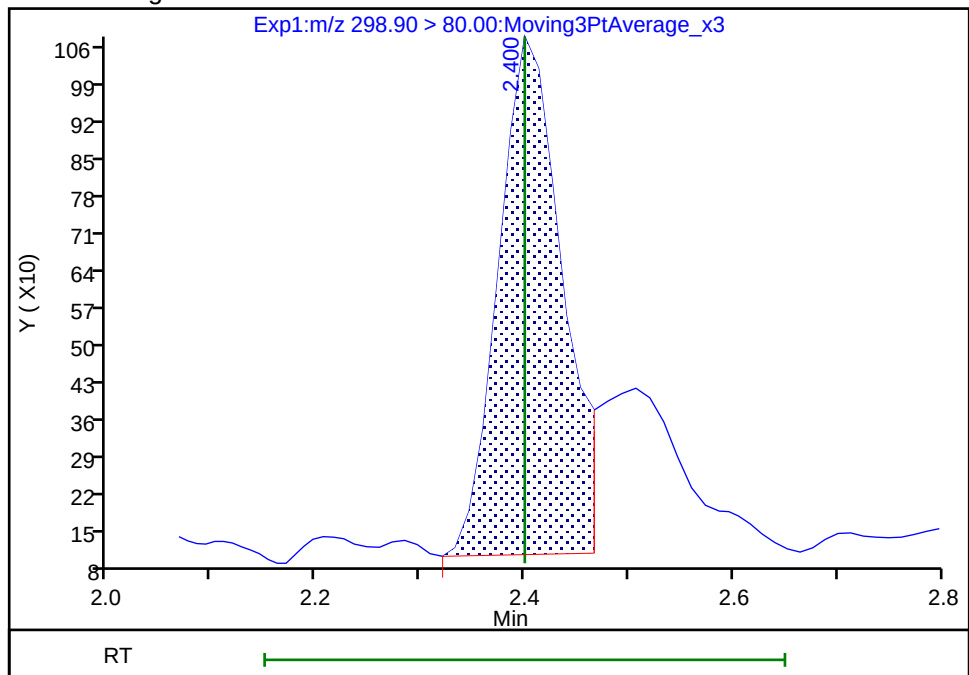
RT: 2.40
Area: 4687
Amount: 0.002285
Amount Units: ng/ml

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
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Eurofins Burlington

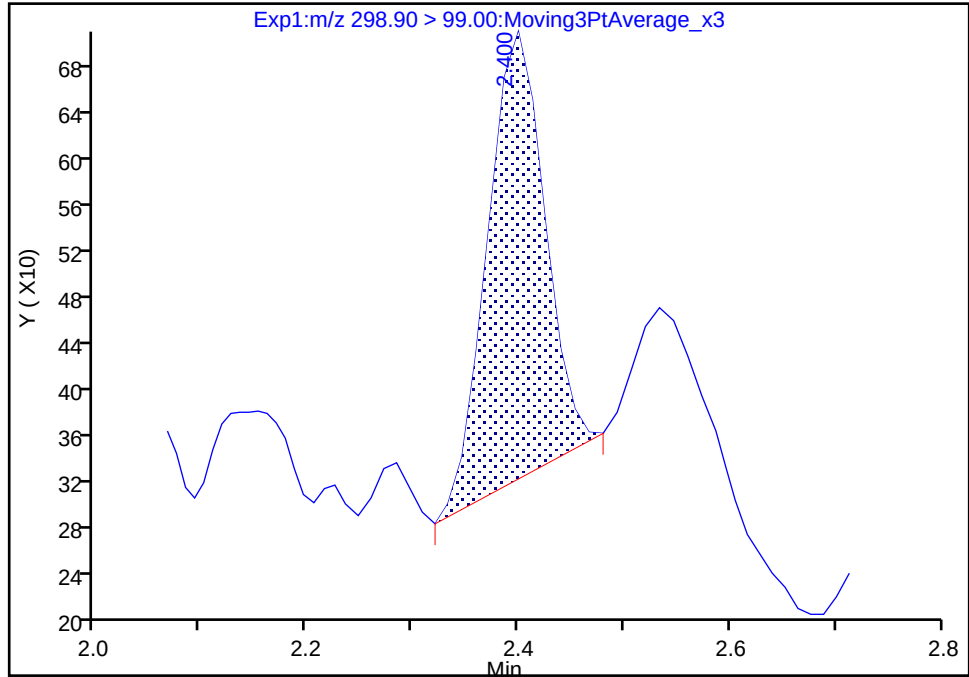
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

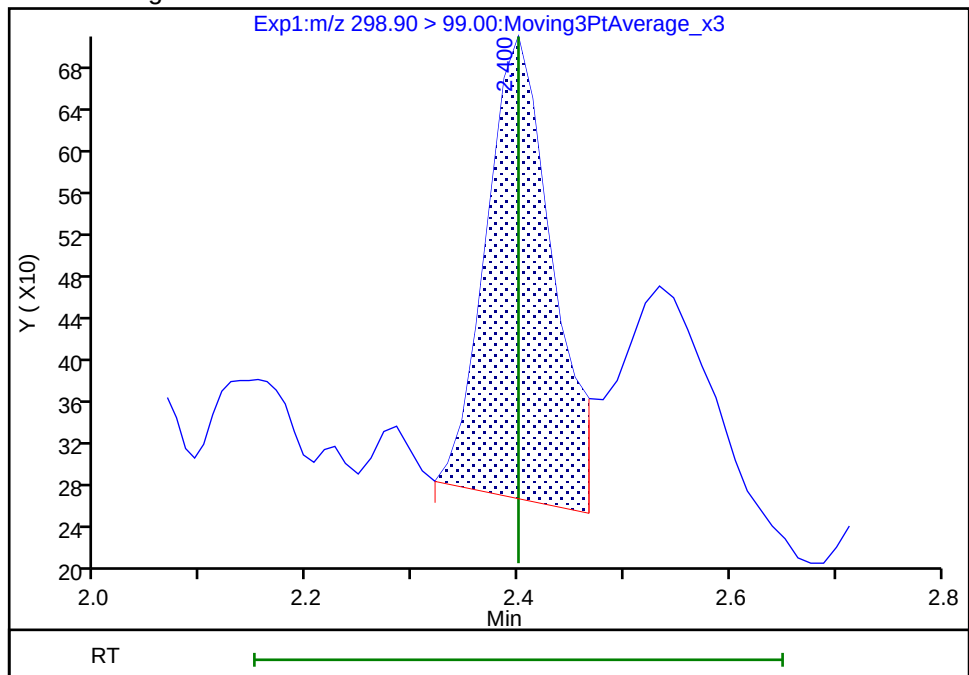
RT: 2.40
Area: 1438
Amount: 0.002285
Amount Units: ng/ml

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

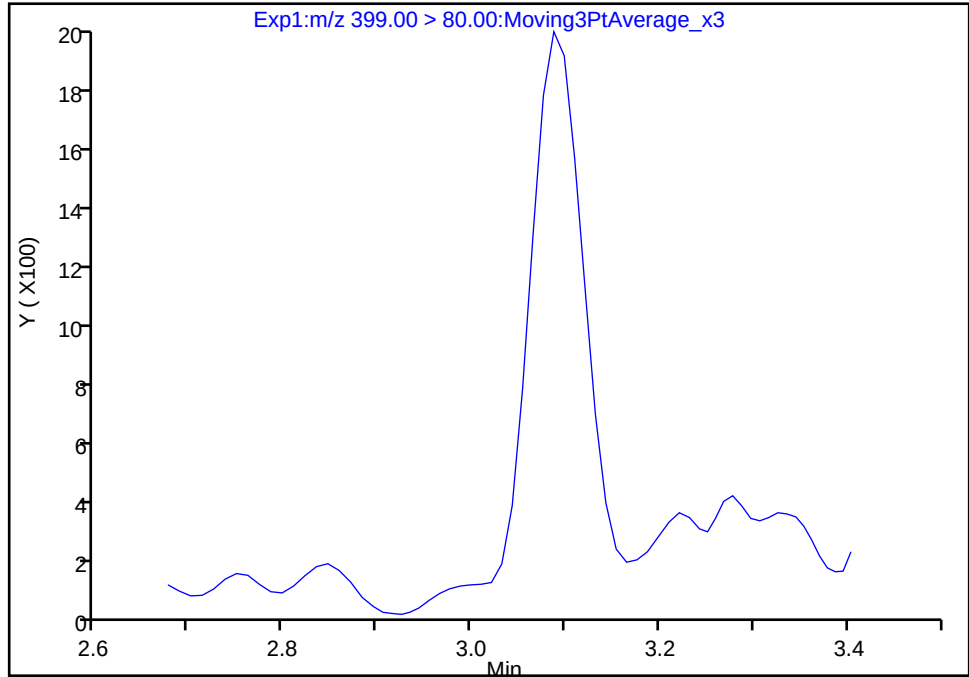
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

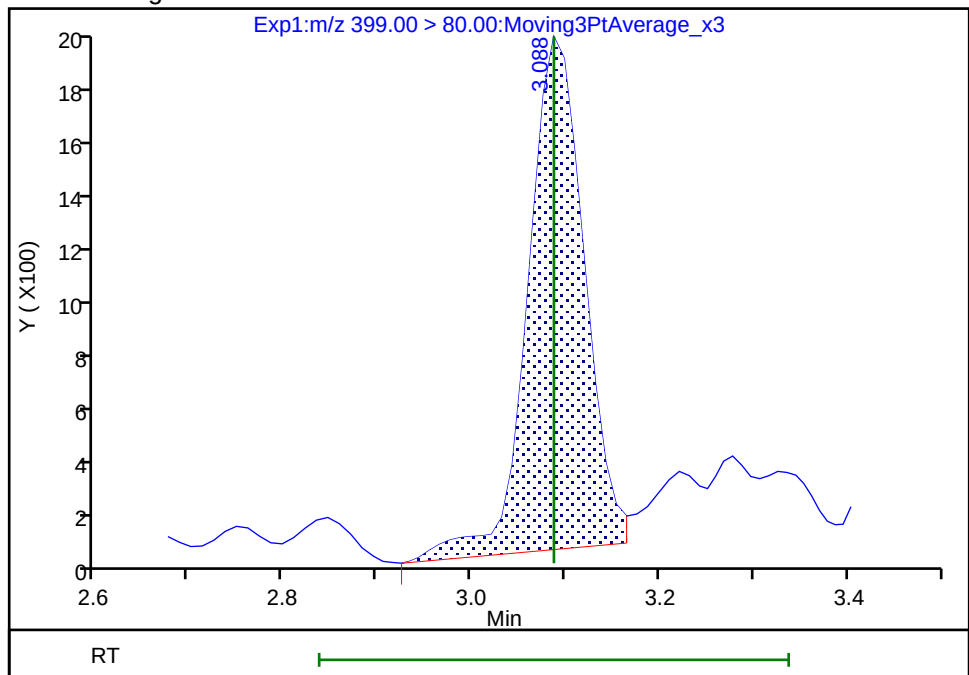
Not Detected
Expected RT: 3.09

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

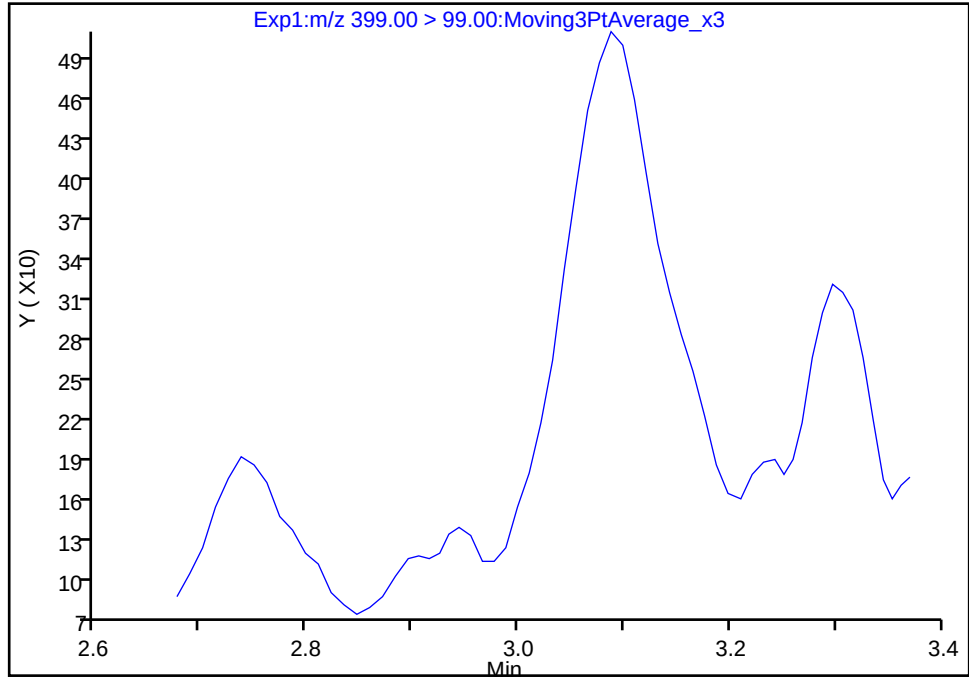
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

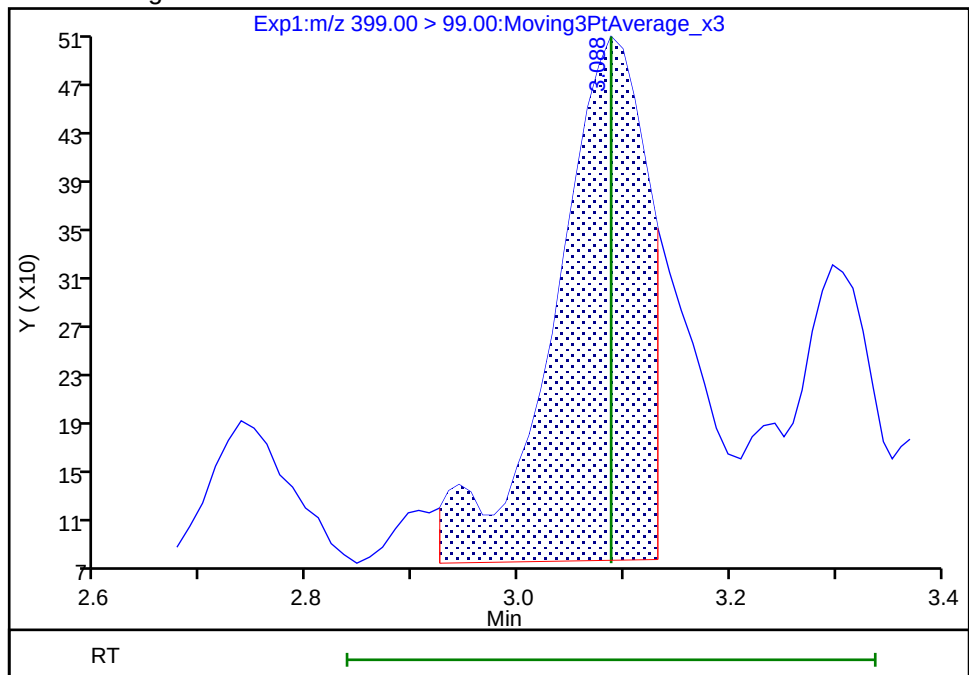
Not Detected
Expected RT: 3.09

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

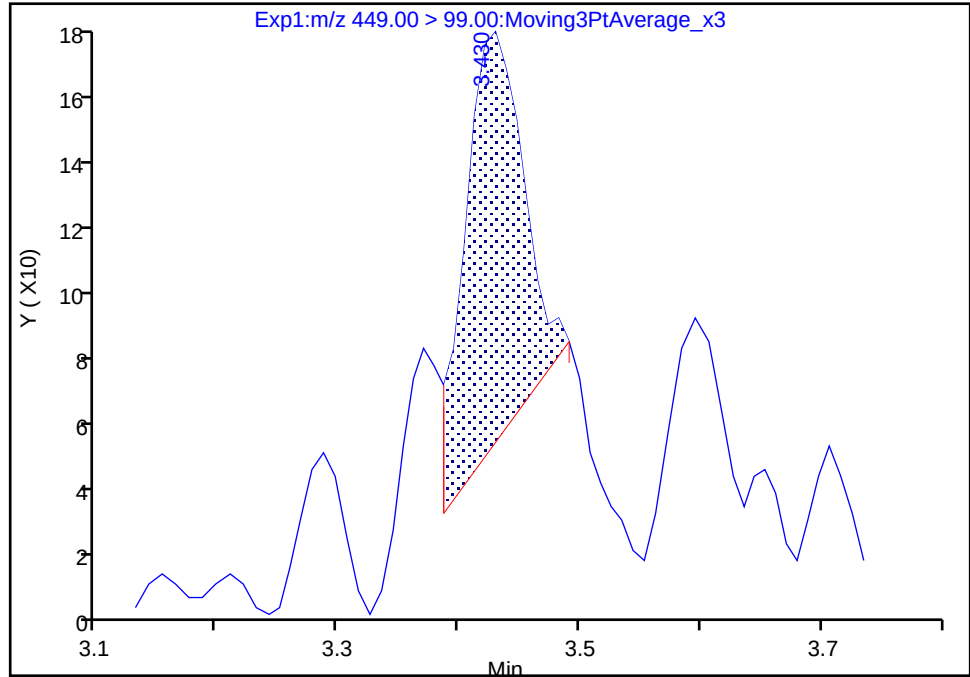
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

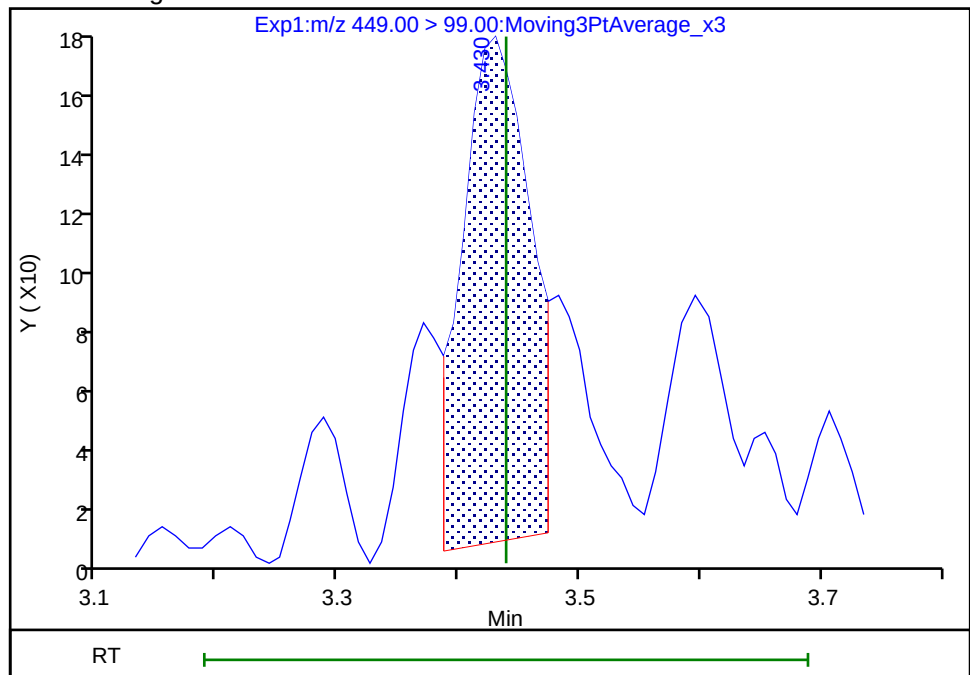
RT: 3.43
Area: 411
Amount: 0.001467
Amount Units: ng/ml

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
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PM

Eurofins Burlington

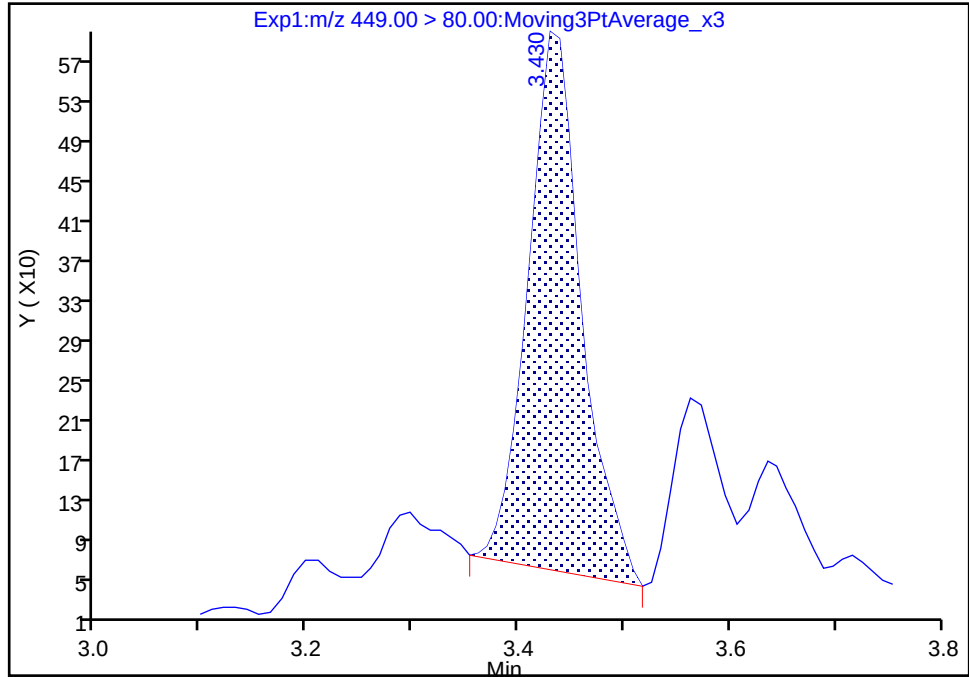
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

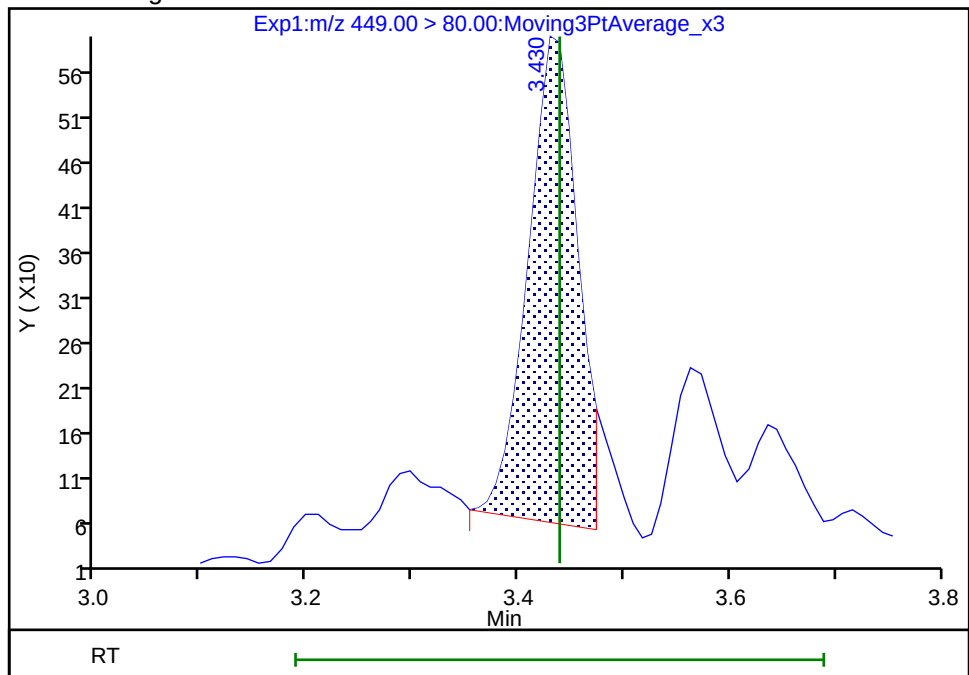
RT: 3.43
Area: 1891
Amount: 0.001467
Amount Units: ng/ml

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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PM

Eurofins Burlington

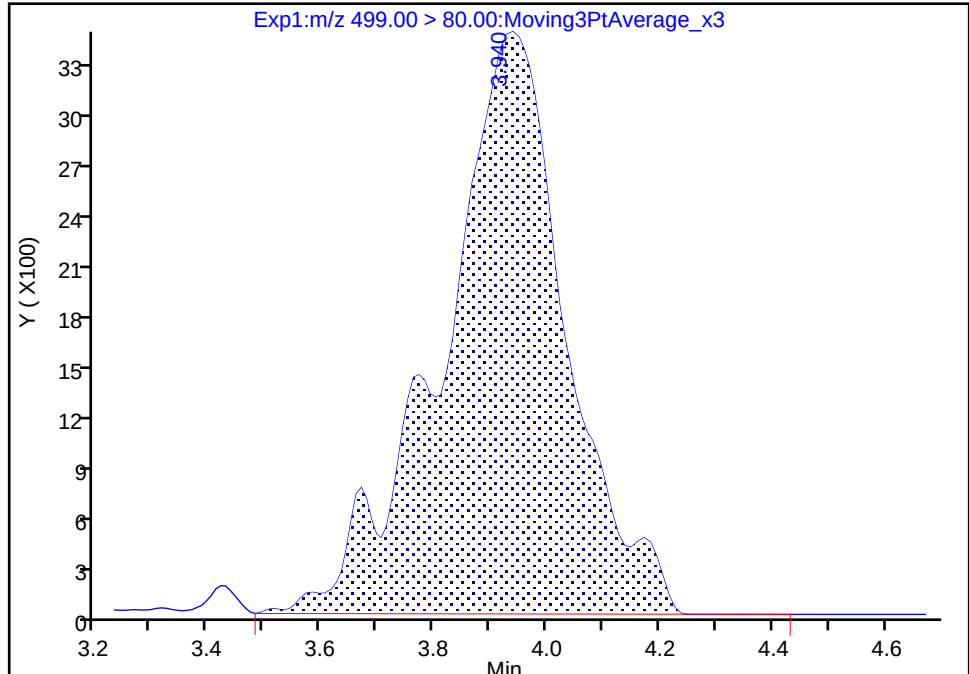
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

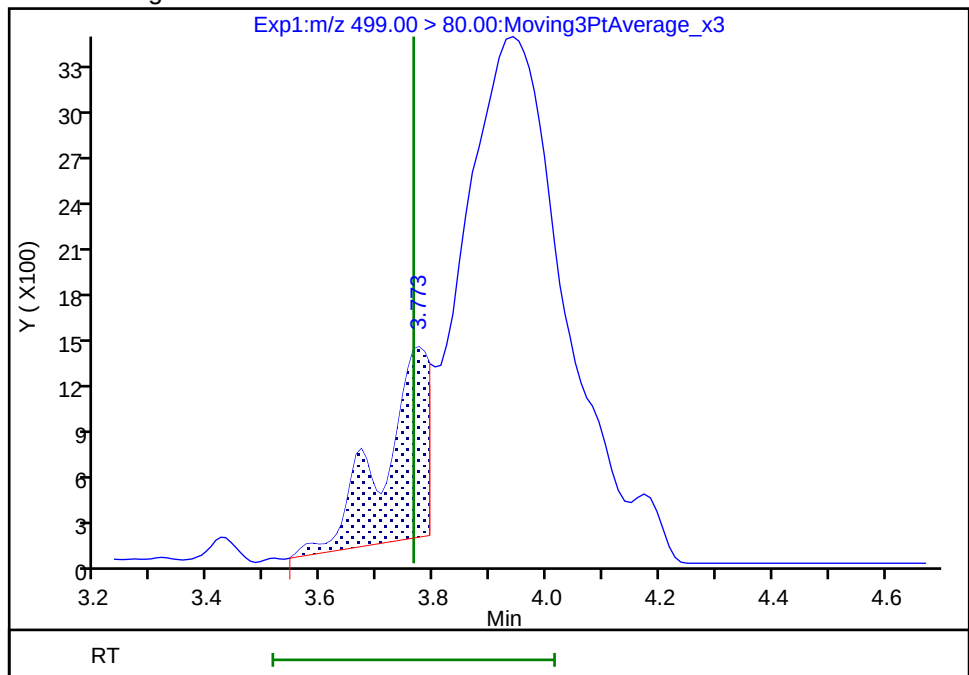
RT: 3.94
Area: 52204
Amount: 0.046510
Amount Units: ng/ml

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
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PM

Eurofins Burlington

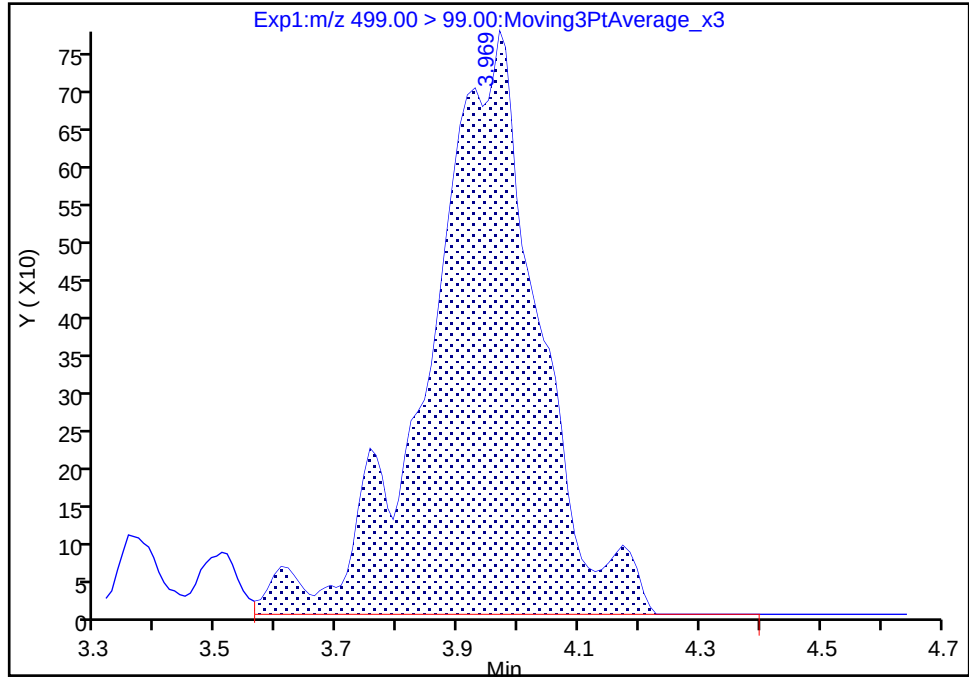
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

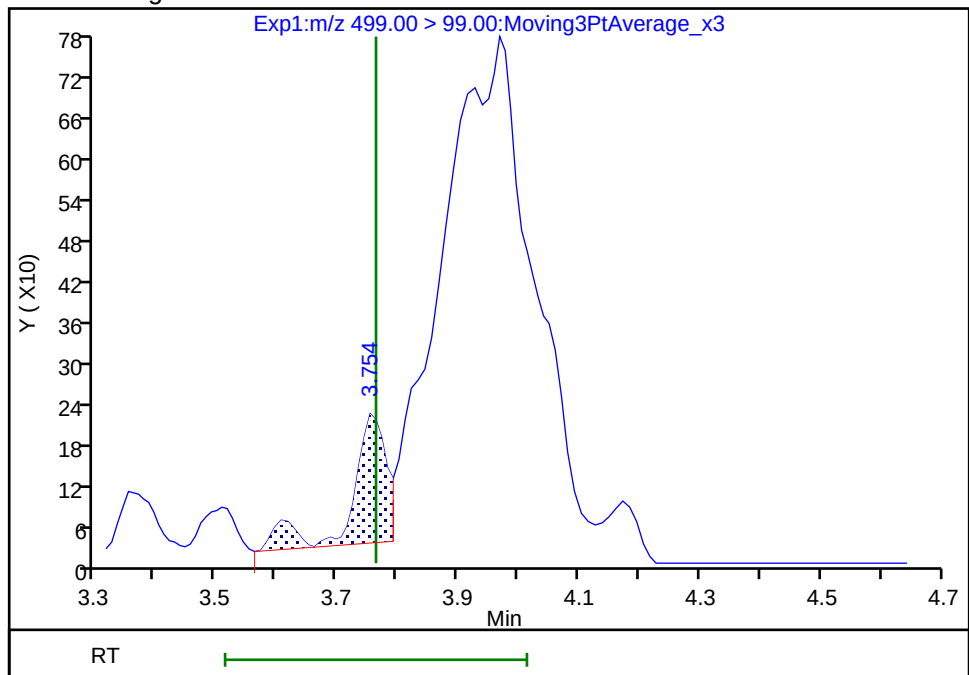
RT: 3.97
Area: 9705
Amount: 0.046510
Amount Units: ng/ml

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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PM

Eurofins Burlington

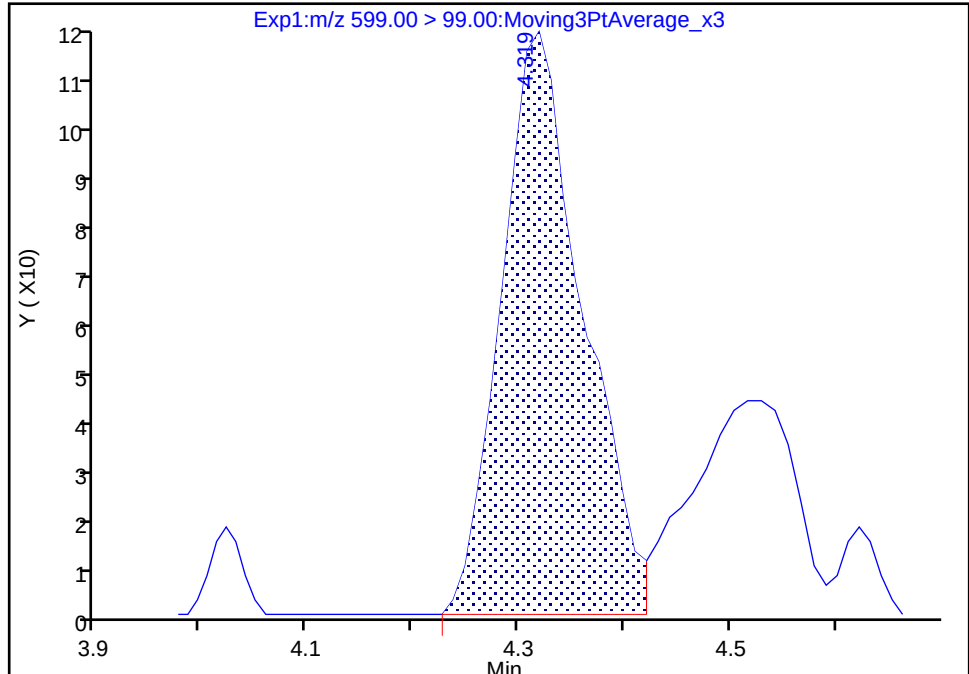
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

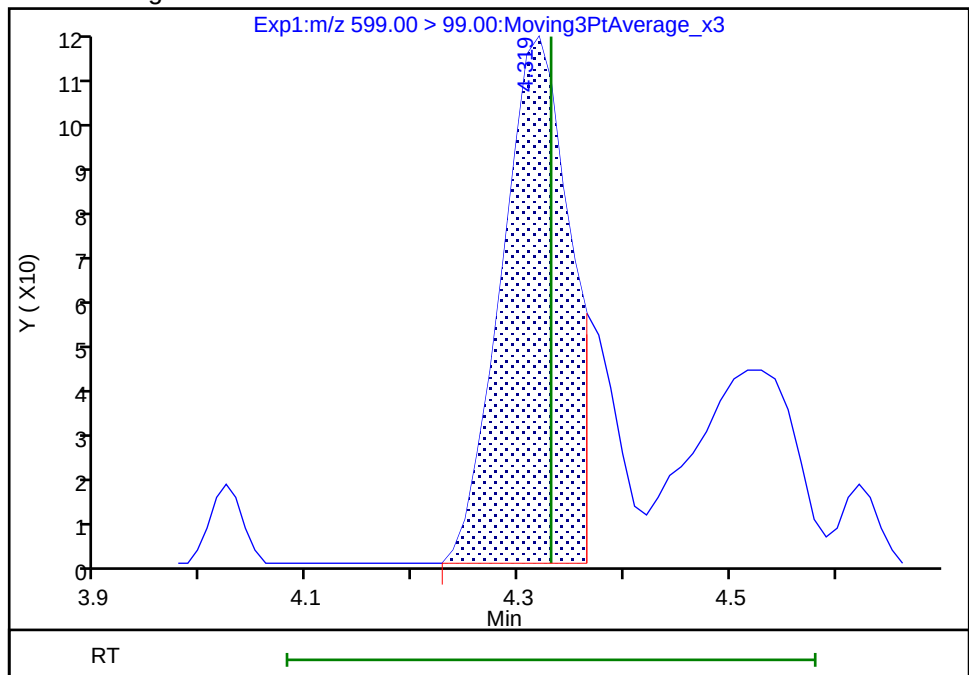
RT: 4.32
Area: 641
Amount: 0.002521
Amount Units: ng/ml

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
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PM

Eurofins Burlington

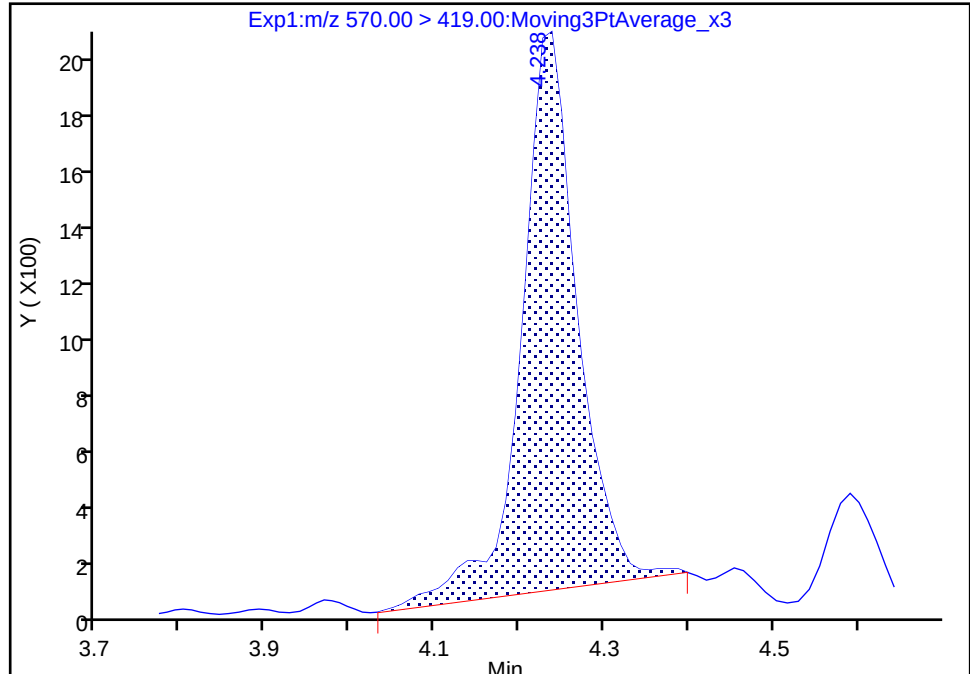
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

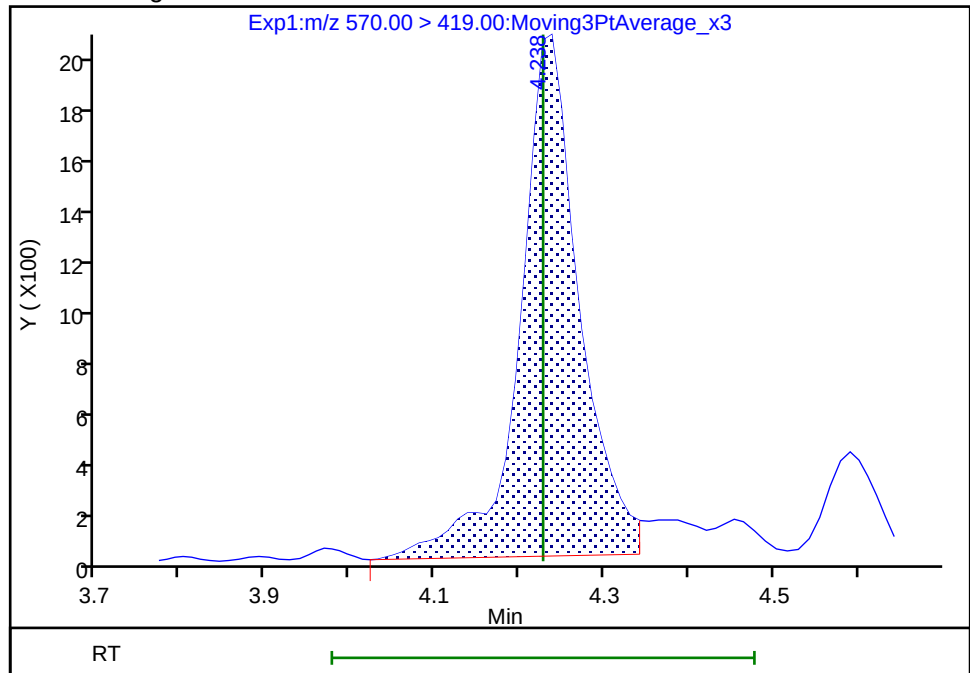
RT: 4.24
Area: 9316
Amount: 0.014803
Amount Units: ng/ml

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
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PM

Eurofins Burlington

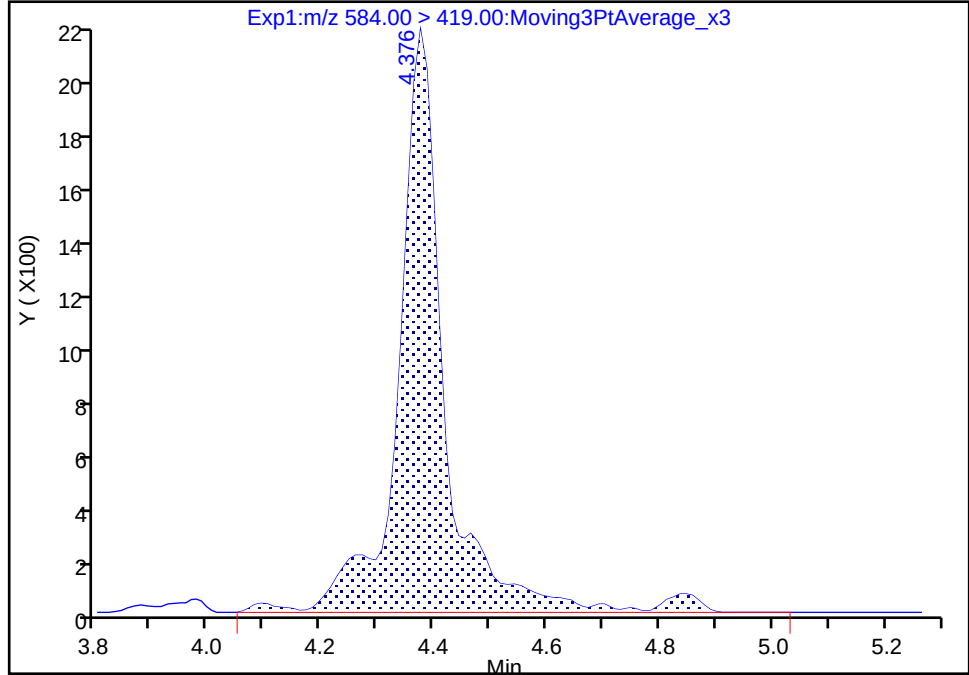
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

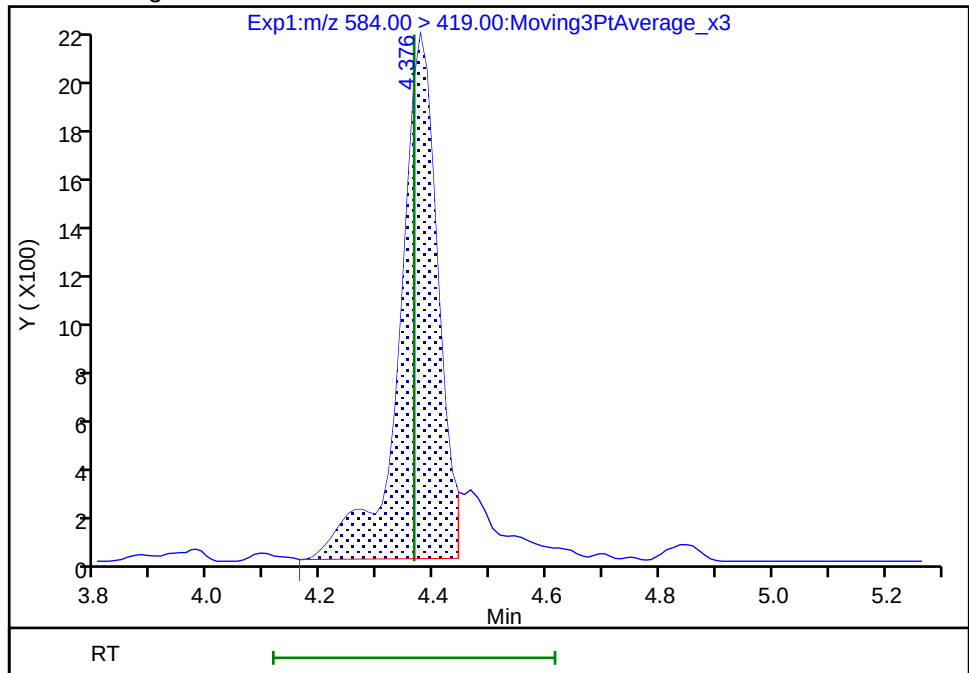
RT: 4.38
Area: 12637
Amount: 0.035132
Amount Units: ng/ml

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

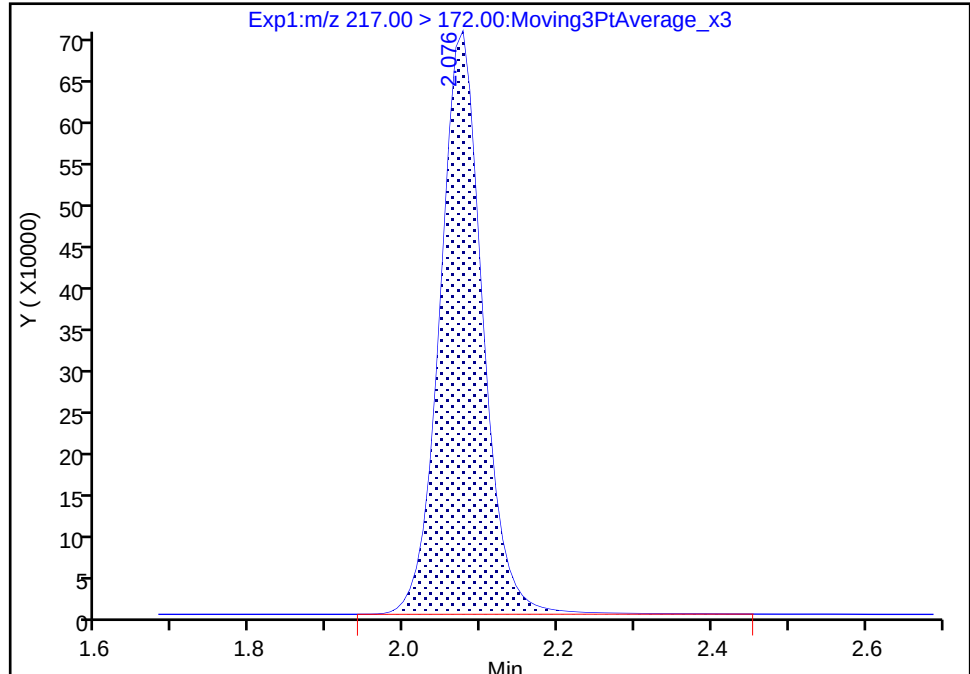
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

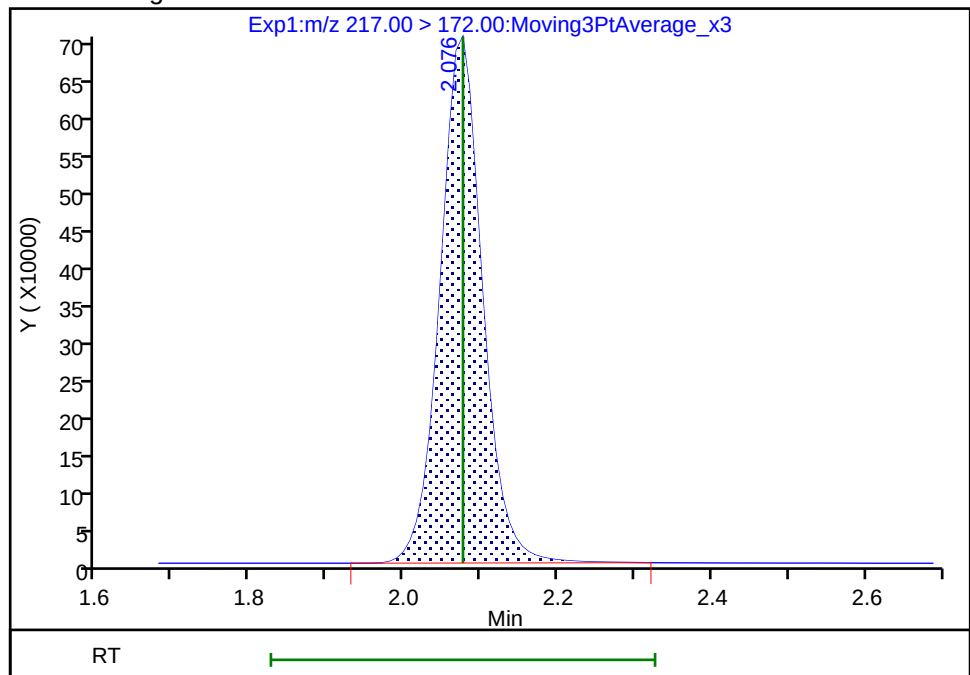
RT: 2.08
Area: 2698297
Amount: 1.324270
Amount Units: ng/ml

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

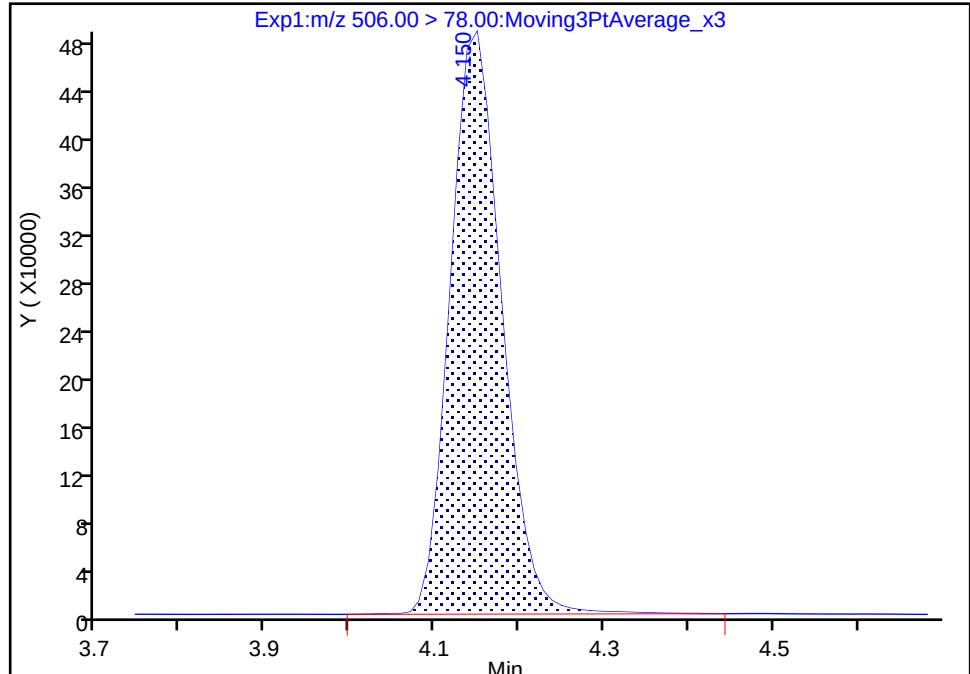
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

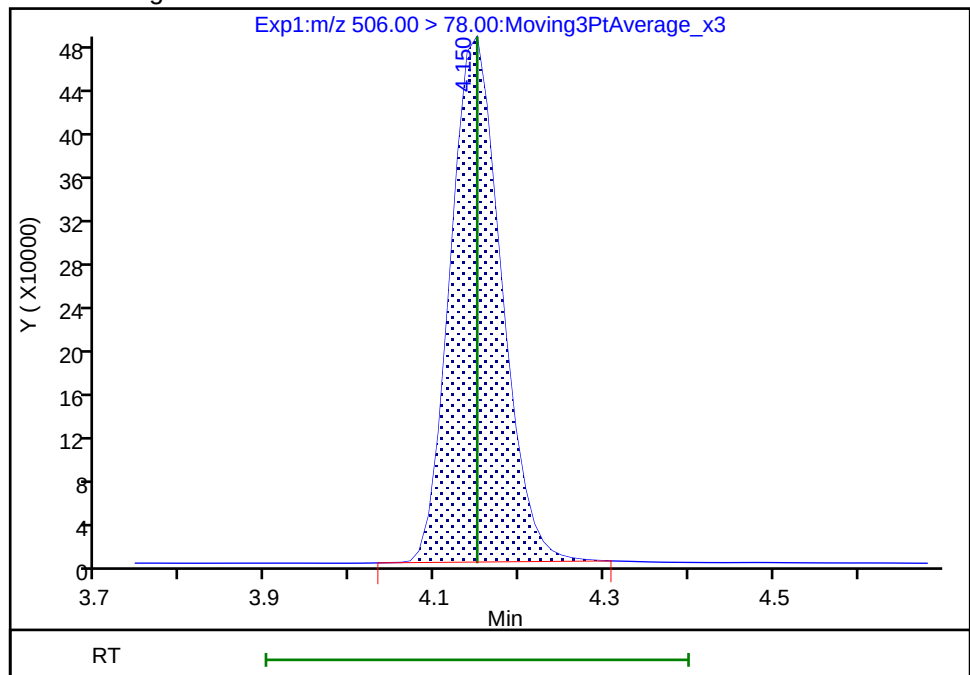
RT: 4.15
Area: 2062770
Amount: 1.351404
Amount Units: ng/ml

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

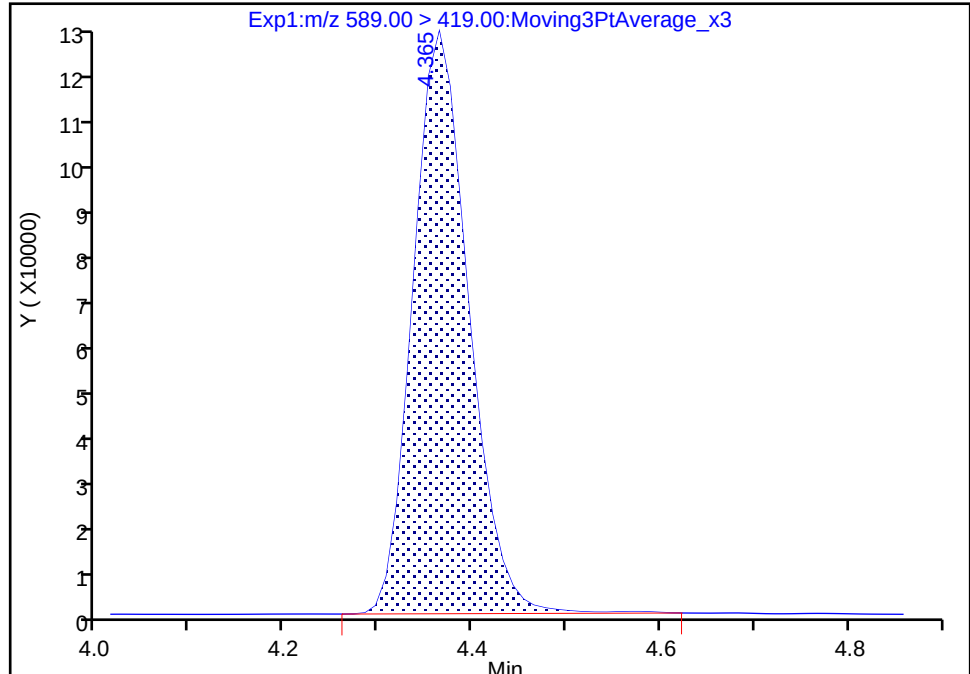
Data File: \\chromfs\Burlington\ChromData\LC812\20221118-53396.b\PA221118ICAL11.d
Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 32 d5-NEtFOSAA, CAS: STL02117

Signal: 1

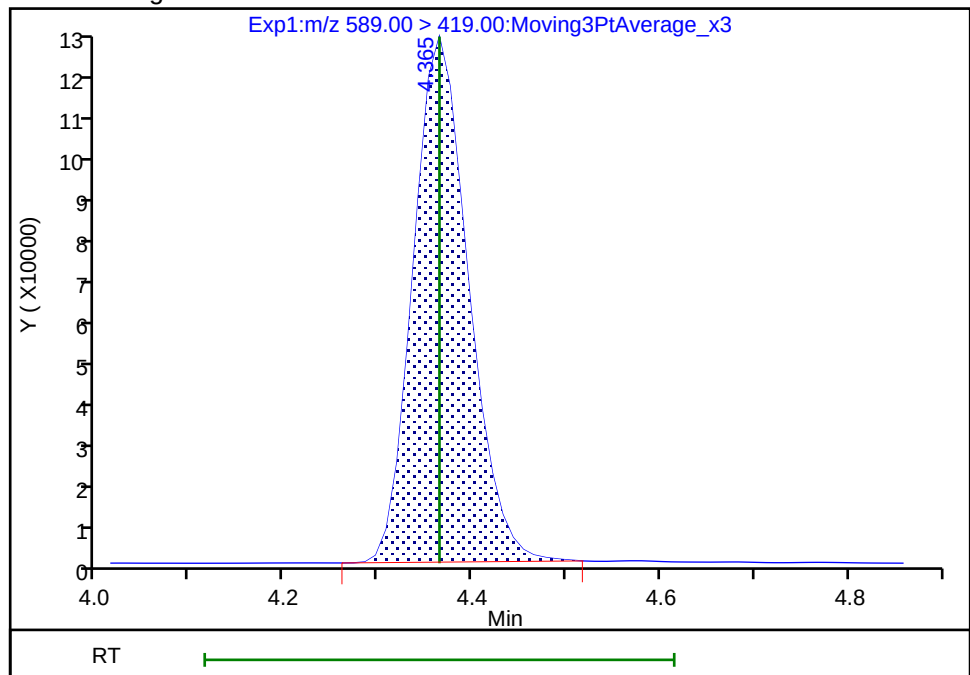
RT: 4.36
Area: 502236
Amount: 1.345514
Amount Units: ng/ml

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

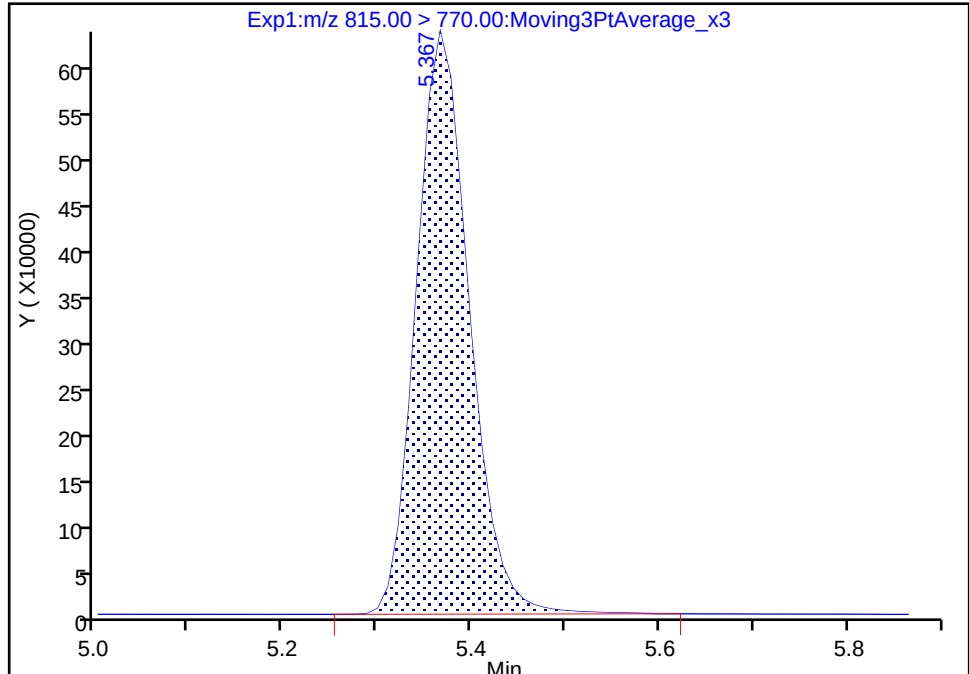
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Injection Date: 18-Nov-2022 15:18:56 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

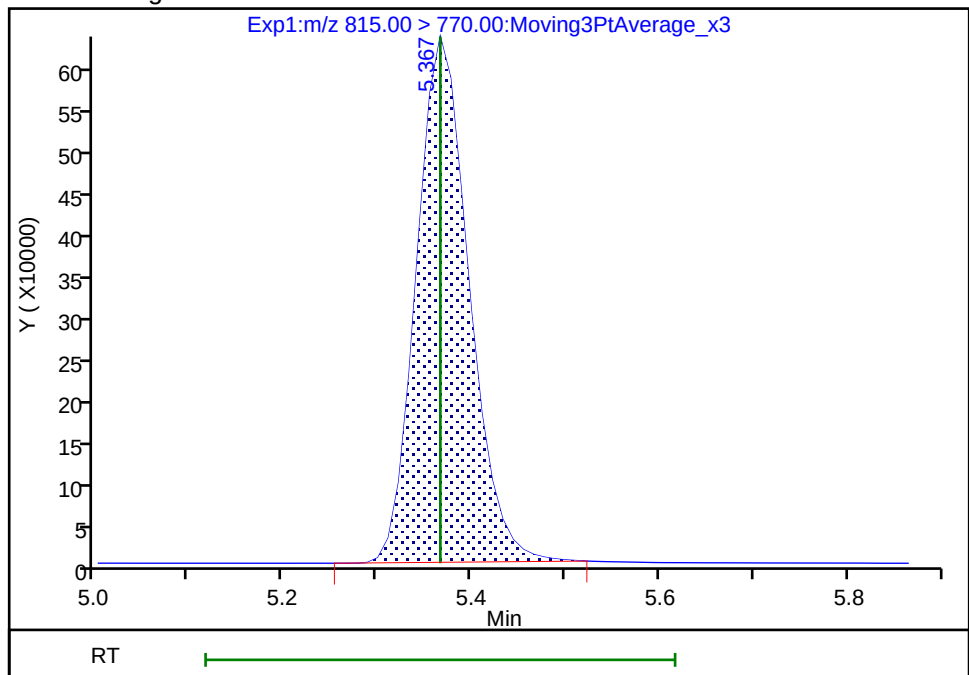
RT: 5.37
Area: 2475462
Amount: 1.332836
Amount Units: ng/ml

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.: 460-269761-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 200-186147/2-A

Matrix: Solid Lab File ID: PA221130A07.d

Analysis Method: 537 (modified) Date Collected: _____

Extraction Method: SHAKE Date Extracted: 11/29/2022 10:30

Sample wt/vol: 5.00 (g) Date Analyzed: 11/30/2022 10:05

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.: 186193 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	1.940		0.50	0.33
2706-90-3	Perfluoropentanoic acid (PFPeA)	1.980		0.20	0.055
307-24-4	Perfluorohexanoic acid (PFHxA)	1.917		0.20	0.046
375-85-9	Perfluoroheptanoic acid (PFHpA)	2.049		0.20	0.039
335-67-1	Perfluorooctanoic acid (PFOA)	1.969		0.20	0.058
375-95-1	Perfluorononanoic acid (PFNA)	1.950		0.20	0.034
335-76-2	Perfluorodecanoic acid (PFDA)	1.883		0.20	0.028
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1.944		0.20	0.027
307-55-1	Perfluorododecanoic acid (PFDoA)	2.074		0.20	0.025
72629-94-8	Perfluorotridecanoic acid (PFTriA)	1.824		0.20	0.025
376-06-7	Perfluorotetradecanoic acid (PFTeA)	1.945		0.20	0.026
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.678		0.20	0.033
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.766		0.20	0.041
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	1.899		0.20	0.023
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.752		0.20	0.11
335-77-3	Perfluorodecanesulfonic acid (PFDS)	1.766		0.20	0.019
754-91-6	Perfluorooctanesulfonamide (FOSA)	1.927		0.20	0.034
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.056		2.00	0.11
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.069		2.00	0.083
27619-97-2	6:2 FTS	1.869	J	2.00	0.057
39108-34-4	8:2 FTS	1.944	J	2.00	0.037

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-269761-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 200-186147/2-A
 Matrix: Solid Lab File ID: PA221130A07.d
 Analysis Method: 537 (modified) Date Collected: _____
 Extraction Method: SHAKE Date Extracted: 11/29/2022 10:30
 Sample wt/vol: 5.00 (g) Date Analyzed: 11/30/2022 10:05
 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.: 186193 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	83		50-150
STL01892	13C4 PFHpA	79		50-150
STL00990	13C4 PFOA	82		50-150
STL00991	13C4 PFOS	83		50-150
STL00995	13C5 PFNA	83		50-150
STL00992	13C4 PFBA	71		50-150
STL00993	13C2 PFHxA	81		50-150
STL00996	13C2 PFDA	87		50-150
STL00997	13C2 PFUnA	84		50-150
STL00998	13C2 PFDoA	71		50-150
STL01056	13C8 FOSA	82		50-150
STL01893	13C5 PFPeA	77		50-150
STL02116	13C2 PFTeDA	71		50-150
STL02118	d3-NMeFOSAA	78		50-150
STL02117	d5-NEtFOSAA	76		50-150
STL02279	M2-6:2 FTS	89		50-150
STL02280	M2-8:2 FTS	83		50-150
STL02337	13C3 PFBS	81		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A07.d
 Lims ID: LCS 200-186147/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 30-Nov-2022 10:05:41 ALS Bottle#: 4 Worklist Smp#: 7
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: LCS 200-186147/2-A
 Misc. Info.: 200-0053485-007 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 01-Dec-2022 08:24:50 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: CTX1681

First Level Reviewer: khanphomeea

Date: 01-Dec-2022 10:24:52

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.085	2.076	0.009	0.609	1976769	0.8836		70.7	10294	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.076	0.009	1.000	1581532	0.9698		97.0	143	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.388	2.387	0.001	0.698	1637696	0.9612		76.9	3061	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.388	2.387	0.001	1.000	1413538	0.9900		99.0	32.8	M
D 47 13C3 PFBS										
301.90 > 80.00	2.402	2.400	0.002	0.702	1738625	0.9393		80.8	200864	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.402	2.400	0.002	1.000	1435762	0.8391	Target=2.09	94.9	1992	M
298.90 > 99.00	2.402	2.400	0.002	1.000	695191		2.07(1.04-3.13)		426	
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.691	2.689	0.002	1.000	378469	0.8981		96.2	2473	
D 60 M2-4:2 FTS										
329.00 > 81.00	2.691	2.689	0.002	0.786	159690	0.9763		83.6	161	
D 7 13C2 PFHxA										
315.00 > 270.00	2.716	2.725	-0.009	0.793	1799115	1.01		80.6	5008	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.728	2.725	0.003	1.004	1503125	0.9585	Target=14.25	95.8	291	M
313.00 > 119.00	2.728	2.725	0.003	1.004	112001		13.42(7.12-21.37)		189	M
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.728	2.737	-0.009	0.886	1348962	0.9059	Target=3.04	96.6	1911	
349.00 > 99.00	2.728	2.737	-0.009	0.886	442962		3.05(1.52-4.56)		794	
67 Perfluoro(2-propoxypropanoic) ac										
285.00 > 169.00	2.825	2.835	-0.010	1.000	268684	1.00		99.6	1713	

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	2.825	2.835	-0.010	0.825	319351	1.01		81.1	1331	
D 11 18O2 PFHxS										
403.00 > 84.00	3.079	3.088	-0.009	0.899	1318493	0.9778		82.7	2616	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.079	3.088	-0.009	1.000	1110916	0.8828	Target=3.66	97.0	1453	M
399.00 > 99.00	3.068	3.088	-0.020	0.996	314208		3.54(1.83-5.49)		365	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.079	3.099	-0.020	0.899	1811473	0.9867		78.9	3034	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.079	3.099	-0.020	1.000	1616567	1.02	Target=3.97	102	308	
363.00 > 169.00	3.079	3.099	-0.020	1.000	413674		3.91(1.98-5.95)		1225	
77 DONA										
377.00 > 251.00	3.112	3.132	-0.020	0.832	3755813	0.8953	Target=3.16	95.0	4226	
377.00 > 85.00	3.112	3.132	-0.020	0.832	1198828		3.13(1.58-4.73)		1440	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.415	3.439	-0.024	0.997	239153	1.06		89.1	714	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.415	3.439	-0.024	1.000	402694	0.9347		98.6	303	
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.415	3.439	-0.024	0.913	1010424	0.9497	Target=5.14	99.8	2638	M
449.00 > 99.00	3.415	3.439	-0.024	0.913	198512		5.09(2.57-7.72)		591	M
D 14 13C4 PFOA										
417.00 > 372.00	3.424	3.448	-0.024	1.000	2123089	1.03		82.3	4308	
* 62 13C2 PFOA										
415.00 > 370.00	3.424	3.448	-0.024		2492944	1.25			5450	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.424	3.448	-0.024	1.000	1787521	0.9845	Target=2.79	98.4	121	M
413.00 > 169.00	3.424	3.448	-0.024	1.000	639337		2.80(1.40-4.19)		674	M
D 18 13C4 PFOS										
503.00 > 80.00	3.739	3.764	-0.025	1.092	910262	0.99		83.3	3682	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.739	3.764	-0.025	1.000	811684	0.8762	Target=5.11	94.4	441	M
499.00 > 99.00	3.739	3.764	-0.025	1.000	172058		4.72(2.55-7.66)		417	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.758	3.783	-0.025	1.000	1676511	0.9750	Target=8.55	97.5	368	
463.00 > 169.00	3.758	3.783	-0.025	1.000	203571		8.24(4.28-12.83)		1283	
D 19 13C5 PFNA										
468.00 > 423.00	3.758	3.783	-0.025	1.098	2071884	1.03		82.6	4685	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.895	3.928	-0.033	1.042	1968819	0.9260		99.4	4670	M
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.026	4.050	-0.024	1.077	649000	0.9282	Target=2.53	96.7	3762	
549.00 > 99.00	4.026	4.050	-0.024	1.077	251234		2.58(1.27-3.80)		1303	
D 23 13C2 PFDA										
515.00 > 470.00	4.053	4.081	-0.028	1.184	2215345	1.08		86.7	4662	

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	4.053	4.081	-0.028	1.000	1809299	0.9414	Target=10.26	94.1	664	
513.00 > 169.00	4.053	4.081	-0.028	1.000	177880		10.17(5.13-15.38)		371	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.064	4.093	-0.029	1.187	275395	1.00		83.2	1105	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.064	4.093	-0.029	1.000	361413	0.9719		101	1890	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.130	4.150	-0.020	1.003	1391222	0.9636		96.4	1679	
D 21 13C8 FOSA										
506.00 > 78.00	4.118	4.150	-0.032	1.203	1727479	1.03		82.5	3471	
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.198	4.228	-0.030	1.226	406485	0.9767		78.1	599	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.198	4.228	-0.030	1.000	290759	1.03		103	584	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.301	4.331	-0.030	1.150	487562	0.8831	Target=2.51	91.6	2844	
599.00 > 99.00	4.301	4.331	-0.030	1.150	195079		2.50(1.25-3.76)		1384	
D 30 13C2 PFUnA										
565.00 > 520.00	4.323	4.353	-0.030	1.263	1974031	1.05		84.4	4170	
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.323	4.353	-0.030	1.000	1547325	0.9722	Target=9.88	97.2	634	M
563.00 > 169.00	4.323	4.353	-0.030	1.000	160143		9.66(4.94-14.82)		1078	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.335	4.365	-0.030	1.000	288061	1.03		103	1116	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.335	4.365	-0.030	1.266	388700	0.9485		75.9	944	
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.425	4.454	-0.029	1.183	2560459	0.7812		82.9	5347	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.559	4.591	-0.032	1.000	1486238	1.04	Target=7.77	104	221	M
613.00 > 169.00	4.559	4.591	-0.032	1.000	191356		7.77(3.89-11.66)		1236	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.559	4.591	-0.032	1.332	1690947	0.8867		70.9	3274	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.582	4.612	-0.030	1.128	191486	0.8569		88.9	1152	
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.741	4.776	-0.035	1.268	188644	0.8076	Target=0.50	83.4	1682	M
699.00 > 99.00	4.741	4.776	-0.035	1.268	362391		0.52(0.25-0.76)		1967	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.769	4.804	-0.035	1.046	1250190	0.9121	Target=5.21	91.2	127	M
663.00 > 169.00	4.769	4.804	-0.035	1.046	218707		5.72(2.60-7.81)		800	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	4.973	5.012	-0.039	1.000	156025	0.9723	Target=0.89	97.2	898	M
713.00 > 219.00	4.963	5.012	-0.049	0.998	170950		0.91(0.44-1.33)		930	M
D 43 13C2 PFTeDA										
715.00 > 670.00	4.973	5.012	-0.039	1.452	1465122	0.8883		71.1	5084	

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	1411245	0.9754	Target=5.65	97.5	163	M
813.00 > 169.00	5.323	5.367	-0.044	1.000	249013		5.67(2.82-8.47)		1407	
D 44 13C2 PFHxDA										
815.00 > 770.00	5.323	5.367	-0.044	1.555	1933098	0.9480		75.8	5416	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.669	5.722	-0.053	1.065	1160067	0.9108	Target=6.24	91.1	158	M
913.00 > 169.00	5.660	5.722	-0.062	1.063	188495		6.15(3.12-9.36)		694	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A07.d

Injection Date: 30-Nov-2022 10:05:41

Instrument ID: LC812

Lims ID: LCS 200-186147/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#: 4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

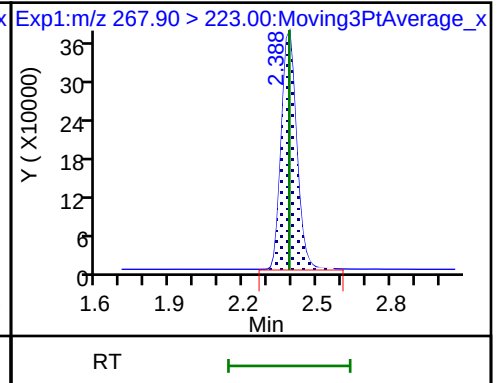
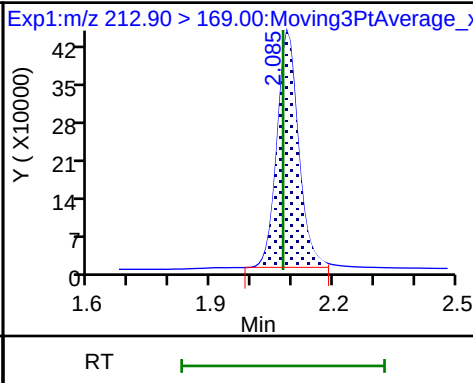
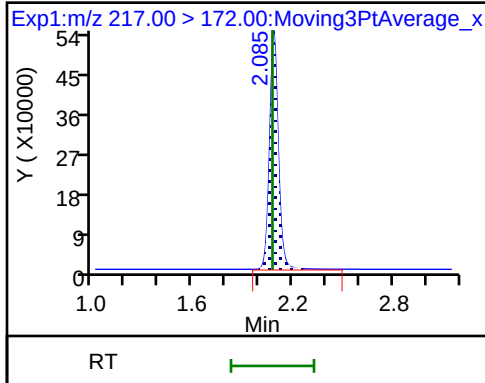
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

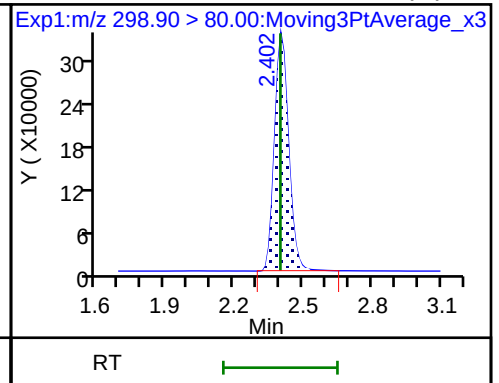
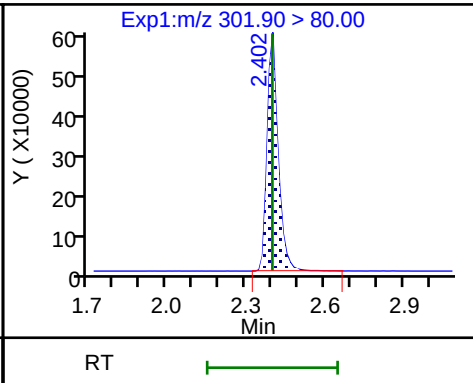
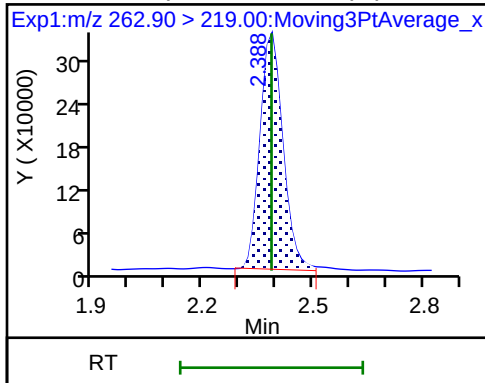
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

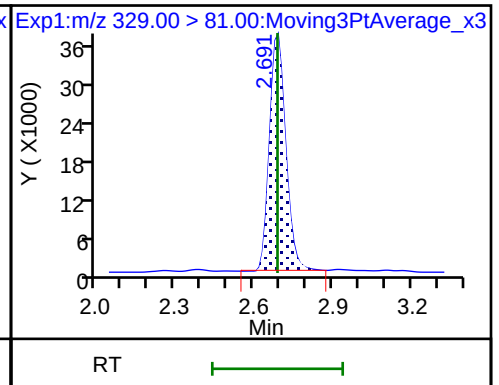
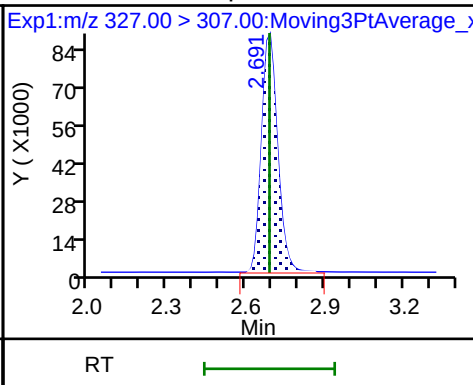
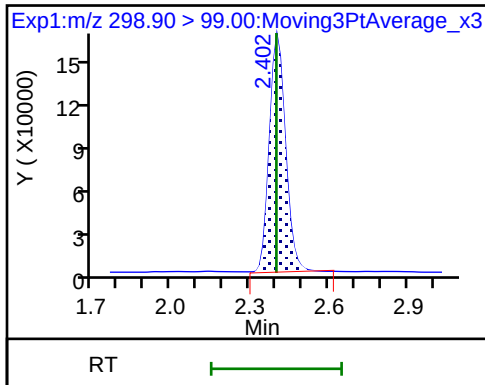
D 47 13C3 PFBS

5 Perfluorobutanesulfonic acid (M)



5 Perfluorobutanesulfonic acid

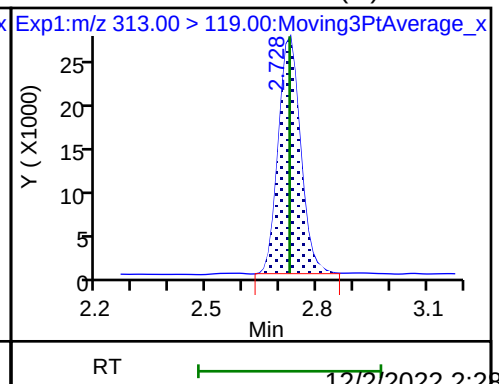
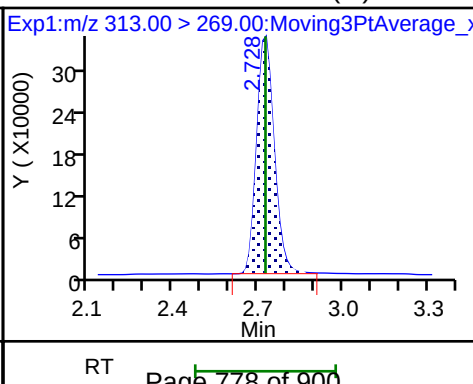
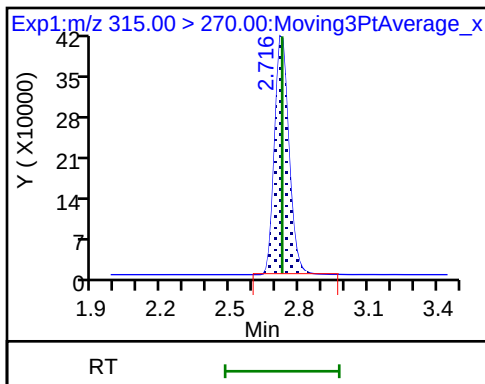
61 1H,1H,2H,2H-perfluorohexanesulfo D 60 M2-4:2 FTS

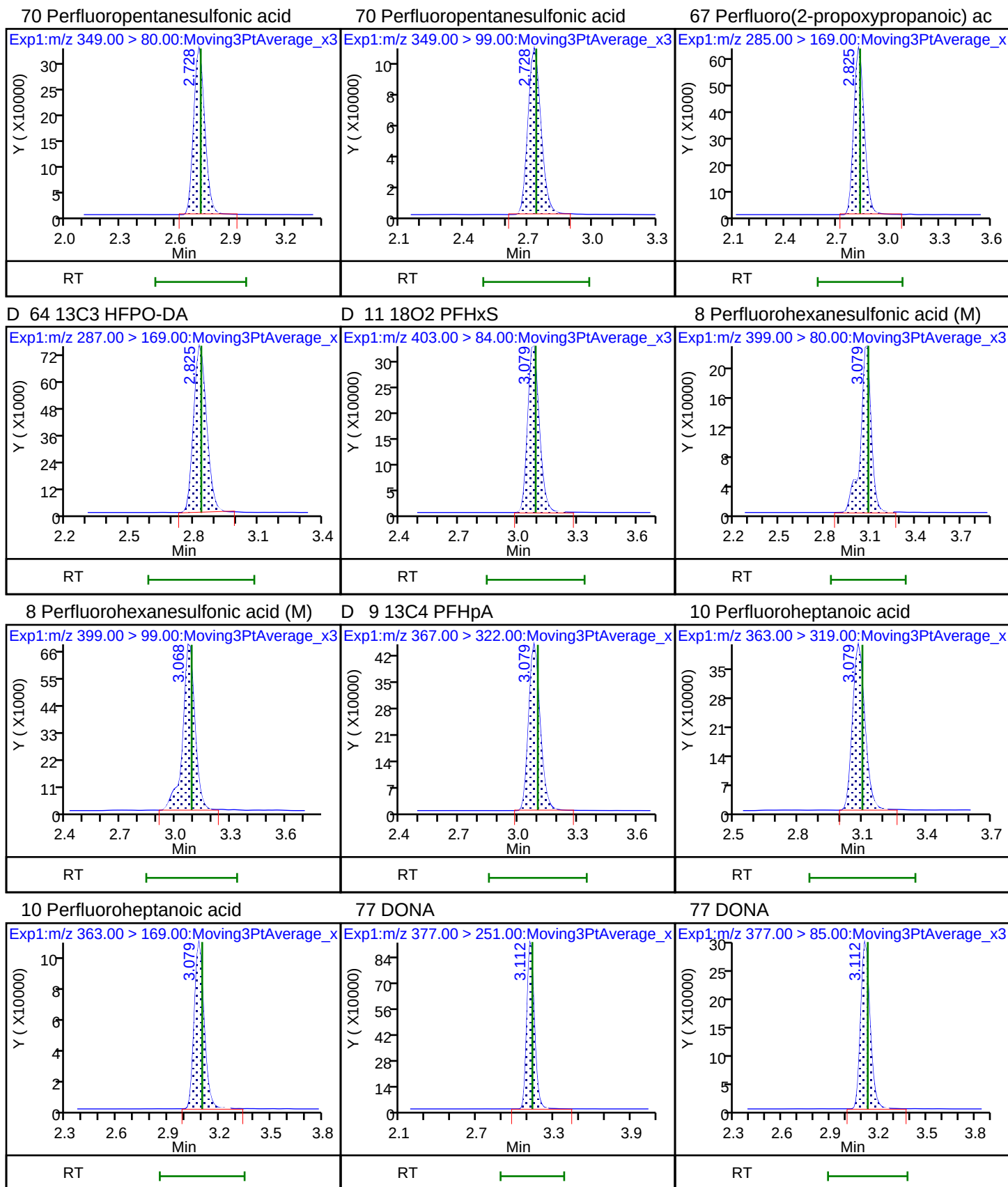


D 7 13C2 PFHxA

6 Perfluorohexanoic acid (M)

6 Perfluorohexanoic acid (M)





D 12 M2-6:2 FTS

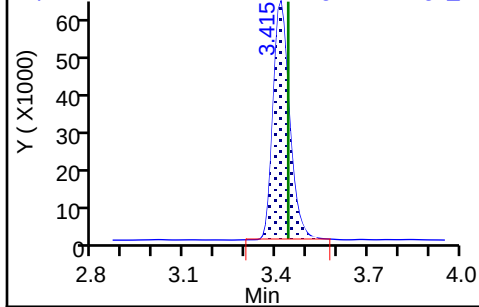
13 1H,1H,2H,2H-perfluorooctanesulfo

16 Perfluoroheptanesulfonic acid (M)

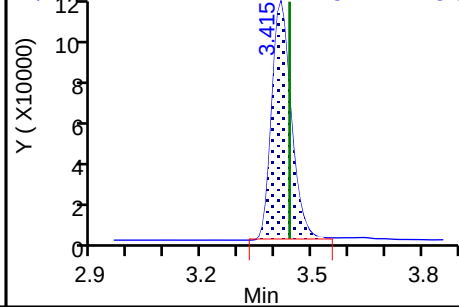
Exp1:m/z 429.00 > 81.00:Moving3PtAverage_x3

Exp1:m/z 427.00 > 407.00:Moving3PtAverage_x

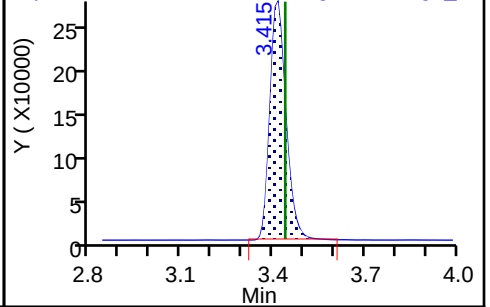
Exp1:m/z 449.00 > 80.00:Moving3PtAverage_x3



RT



RT



RT

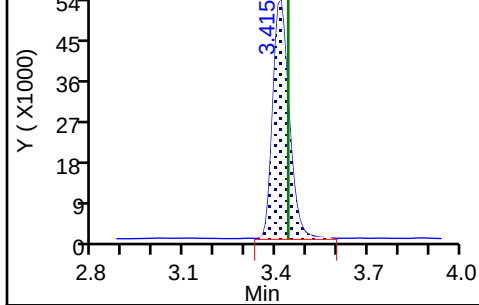
16 Perfluoroheptanesulfonic acid (M) D 14 13C4 PFOA

* 62 13C2 PFOA

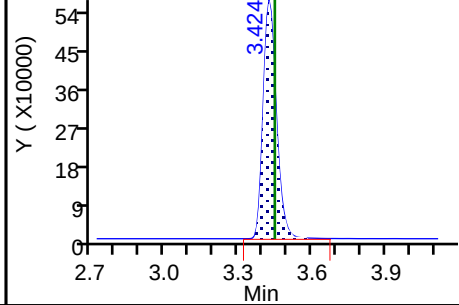
Exp1:m/z 449.00 > 99.00:Moving3PtAverage_x3

Exp1:m/z 417.00 > 372.00:Moving3PtAverage_x

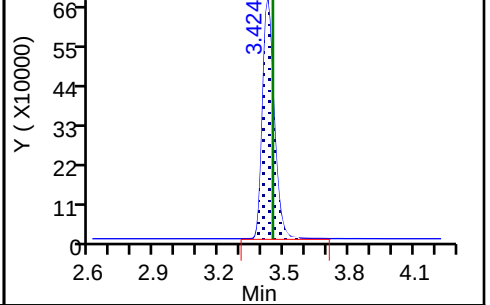
Exp1:m/z 415.00 > 370.00:Moving3PtAverage_x



RT



RT



RT

15 Perfluorooctanoic acid

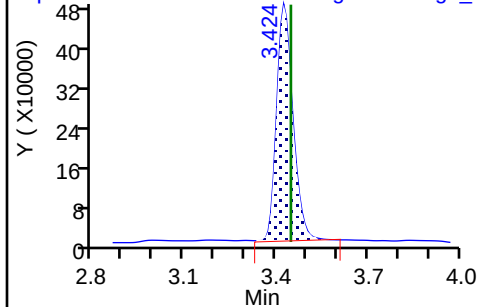
15 Perfluorooctanoic acid (M)

D 18 13C4 PFOS

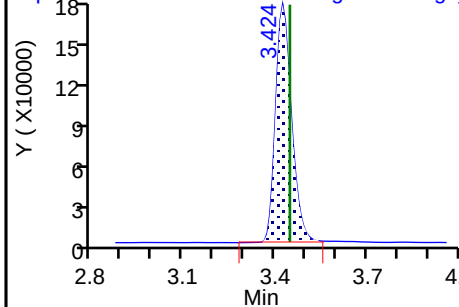
Exp1:m/z 413.00 > 369.00:Moving3PtAverage_x

Exp1:m/z 413.00 > 169.00:Moving3PtAverage_x

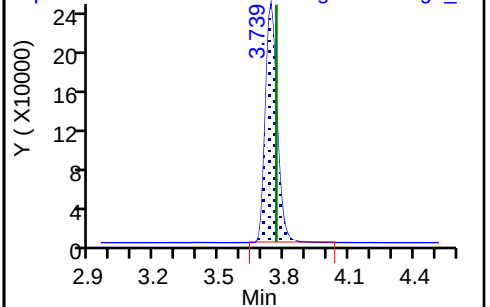
Exp1:m/z 503.00 > 80.00:Moving3PtAverage_x3



RT



RT



RT

17 Perfluorooctanesulfonic acid (M)

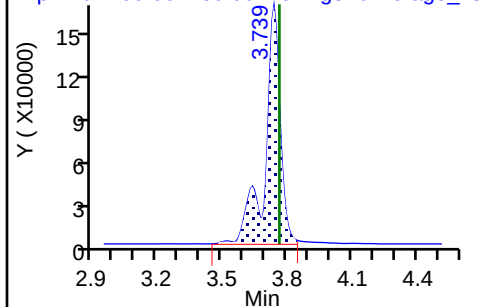
17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid

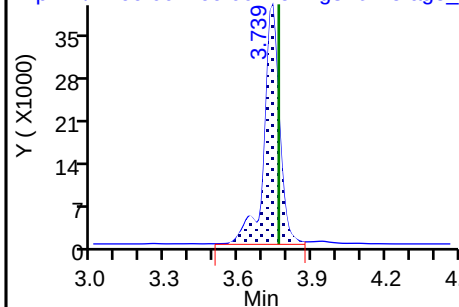
Exp1:m/z 499.00 > 80.00:Moving3PtAverage_x3

Exp1:m/z 499.00 > 99.00:Moving3PtAverage_x3

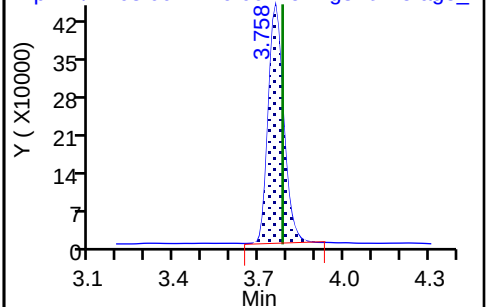
Exp1:m/z 463.00 > 419.00:Moving3PtAverage_x



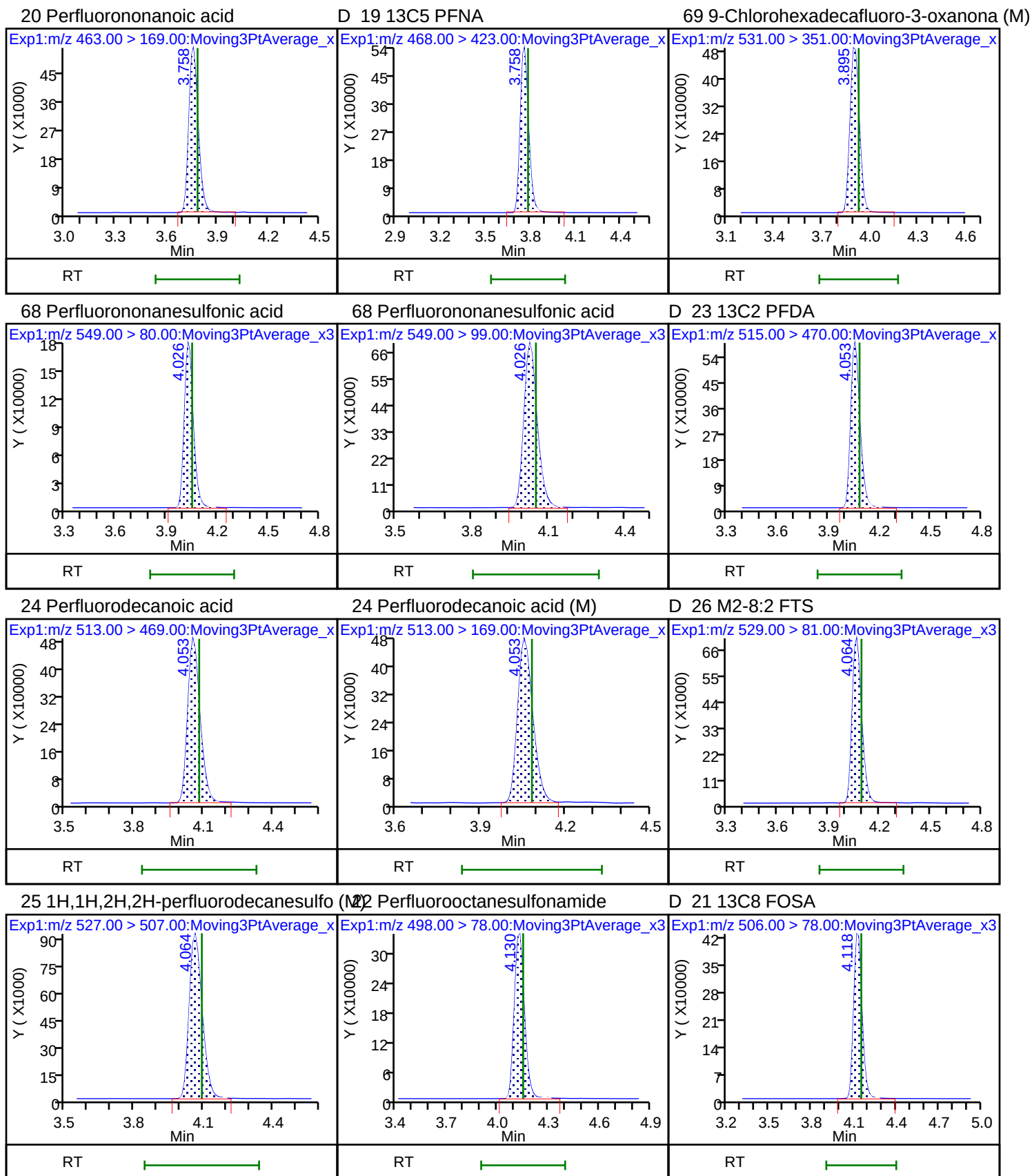
RT



RT



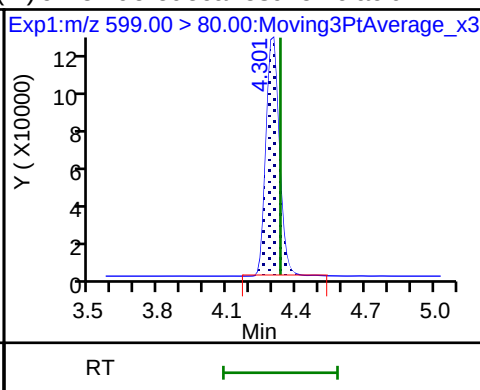
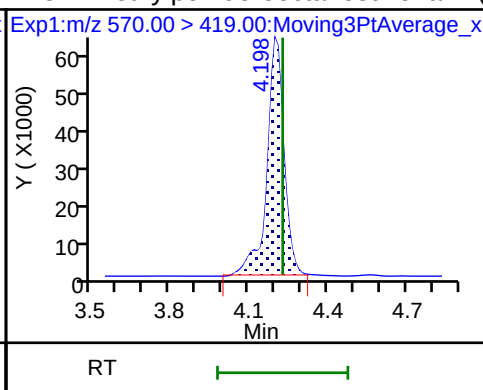
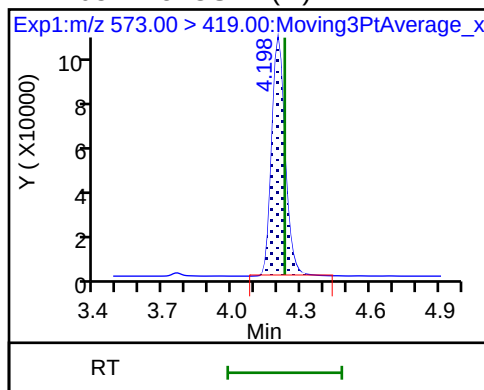
RT



D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

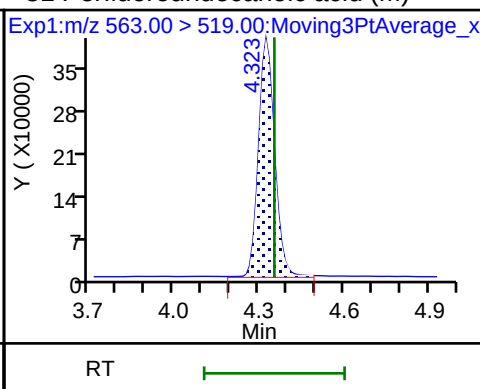
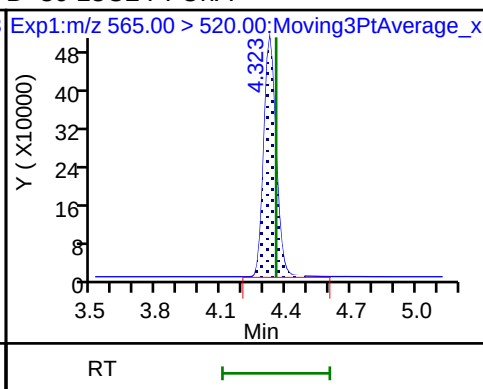
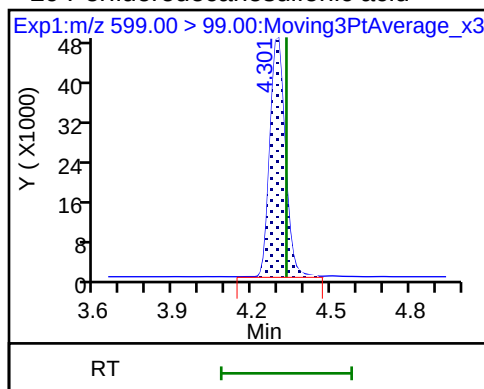
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid

D 30 13C2 PFUnA

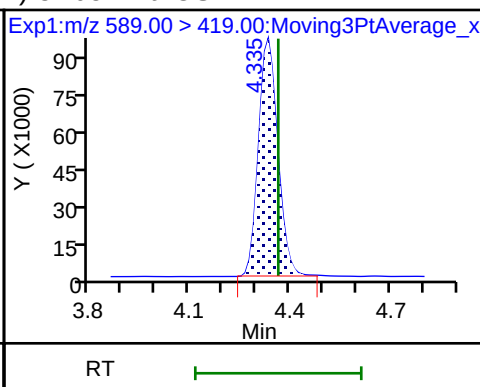
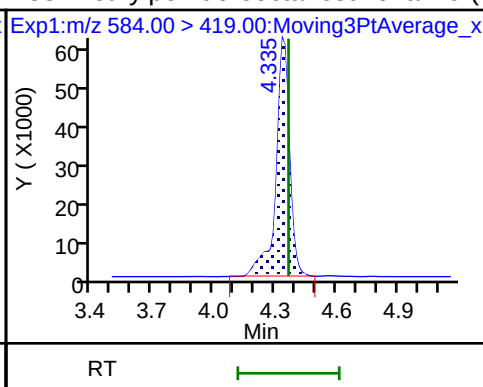
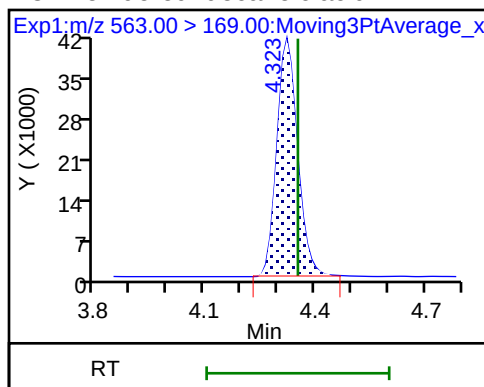
31 Perfluoroundecanoic acid (M)



31 Perfluoroundecanoic acid

33 N-ethylperfluorooctanesulfonamid (M)

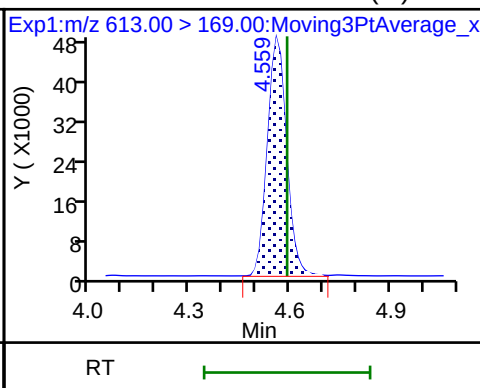
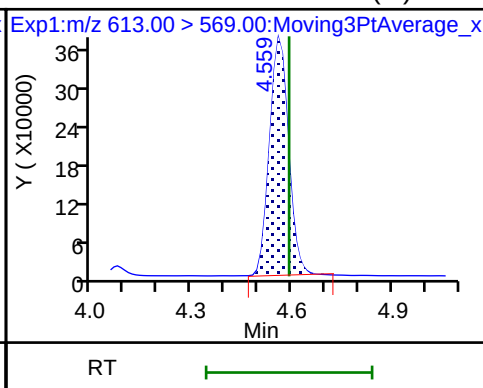
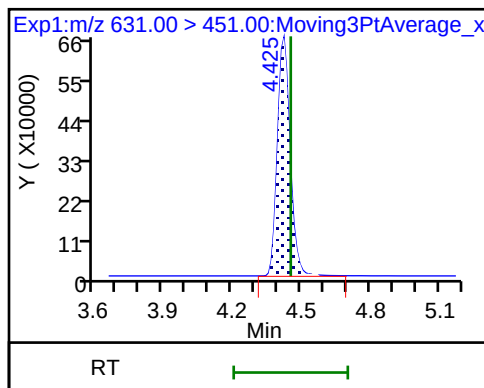
32 d5-NEtFOSAA



66 11-Chloroeicosafluoro-3-oxaundec

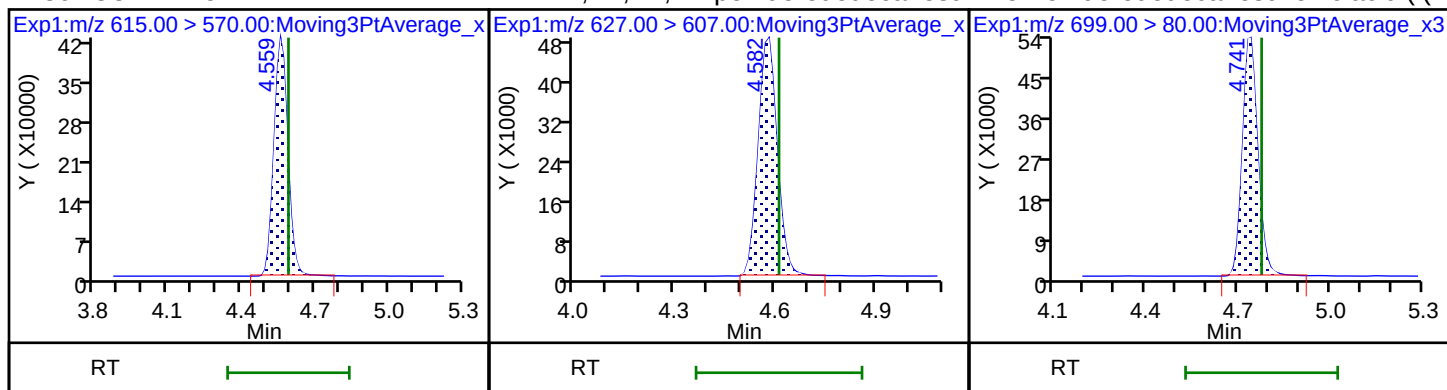
37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid (M)



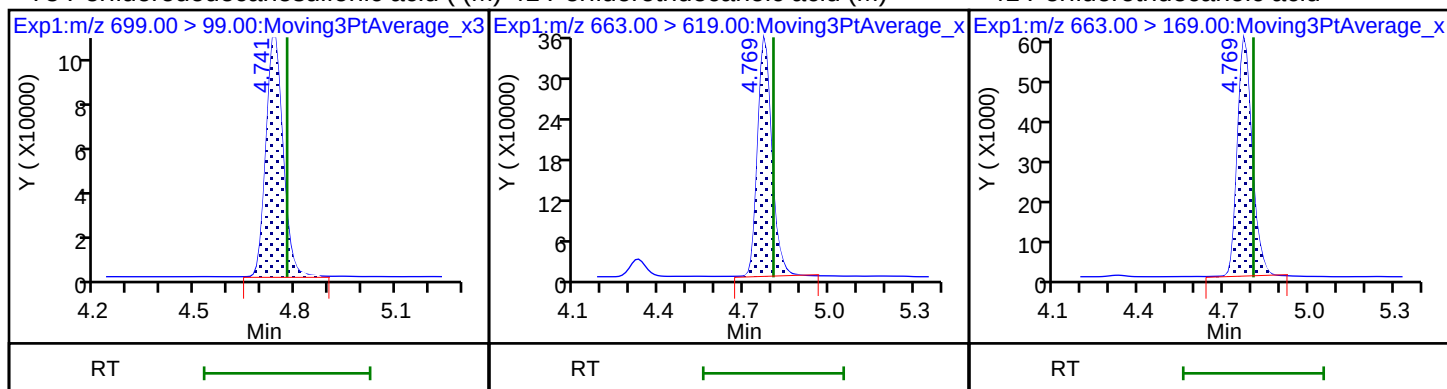
D 36 13C2 PFD0A

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



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

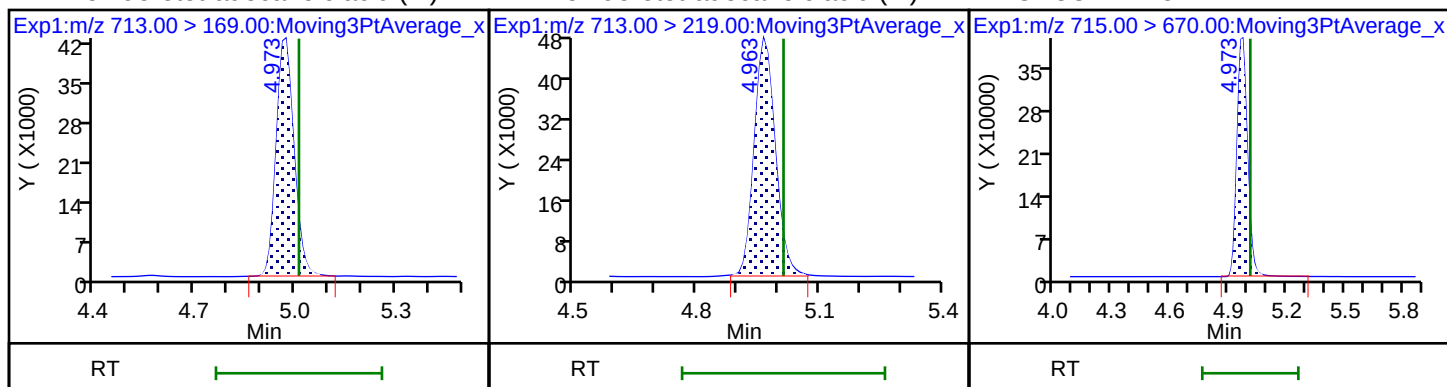
41 Perfluorotridecanoic acid



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

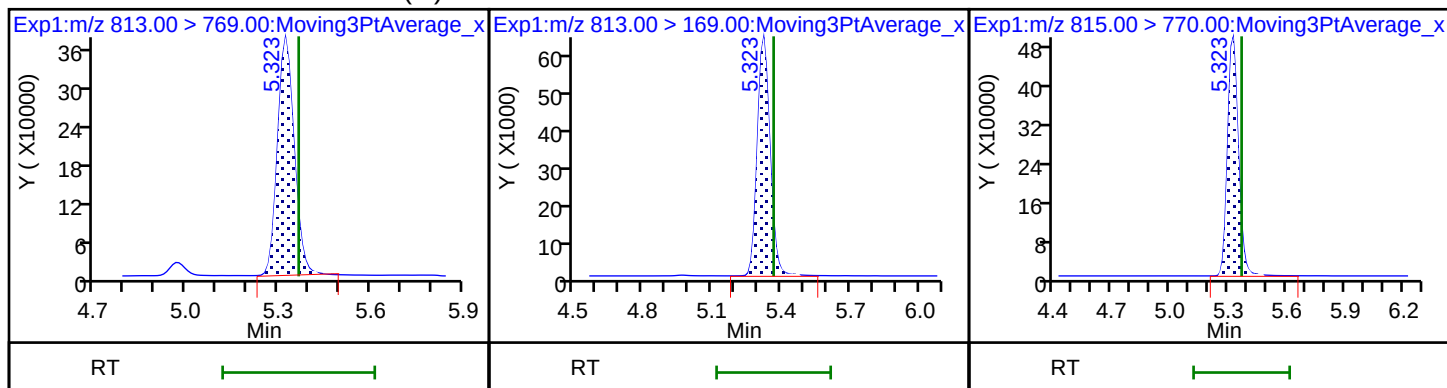
D 43 13C2 PFTeDA



45 Perfluorohexadecanoic acid (M)

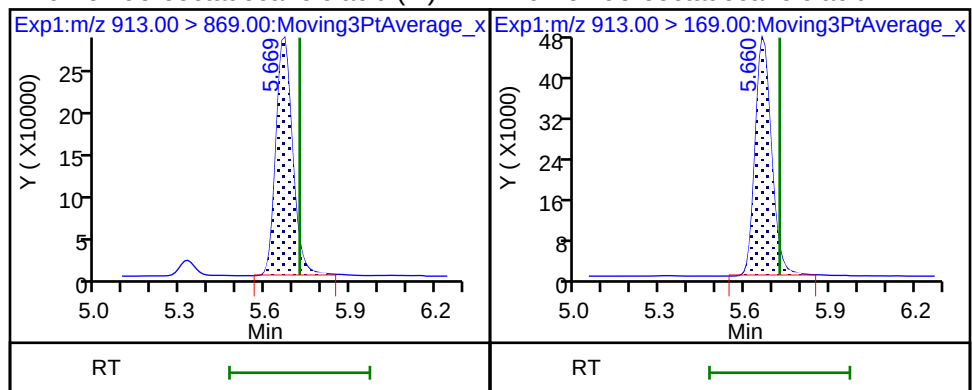
45 Perfluorohexadecanoic acid

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A07.d

Injection Date: 30-Nov-2022 10:05:41

Instrument ID: LC812

Lims ID: LCS 200-186147/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

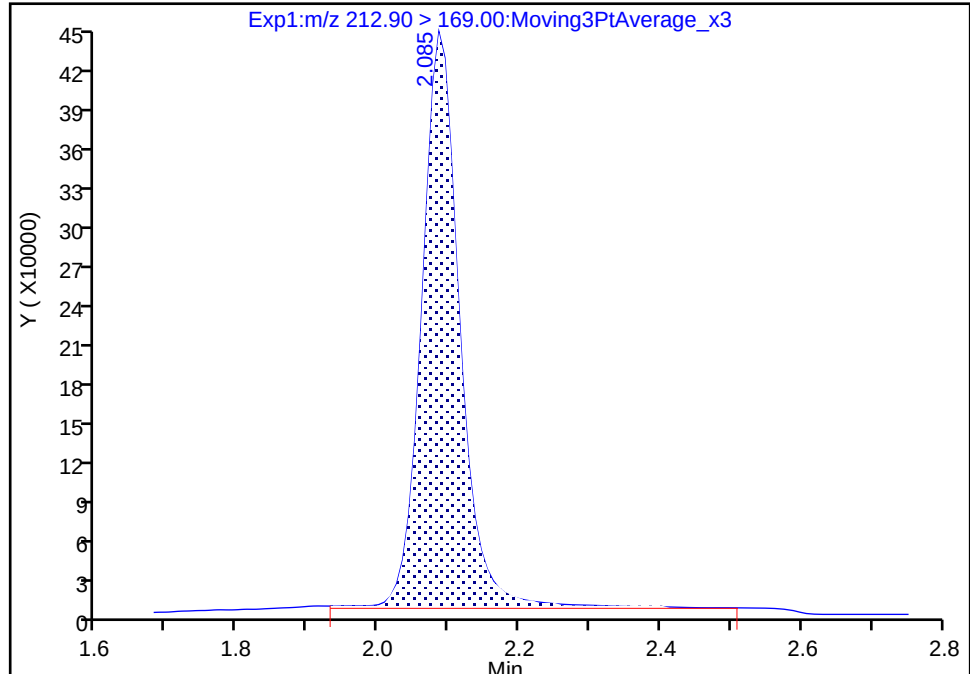
EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

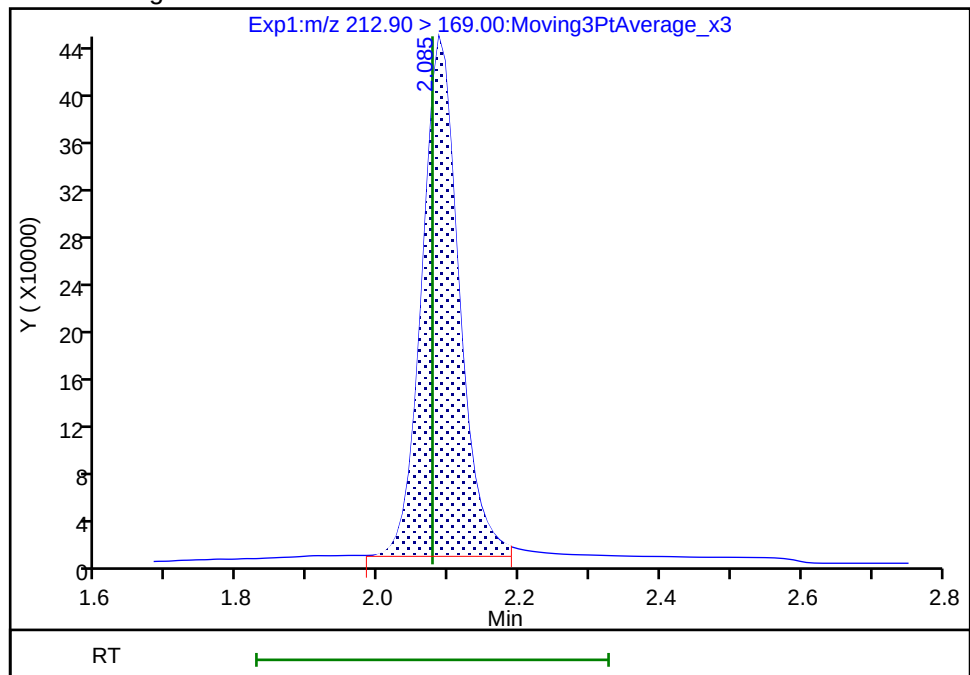
RT: 2.09
Area: 1645395
Amount: 1.008981
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 1581532
Amount: 0.969819
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:20:46

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A07.d

Injection Date: 30-Nov-2022 10:05:41

Instrument ID: LC812

Lims ID: LCS 200-186147/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

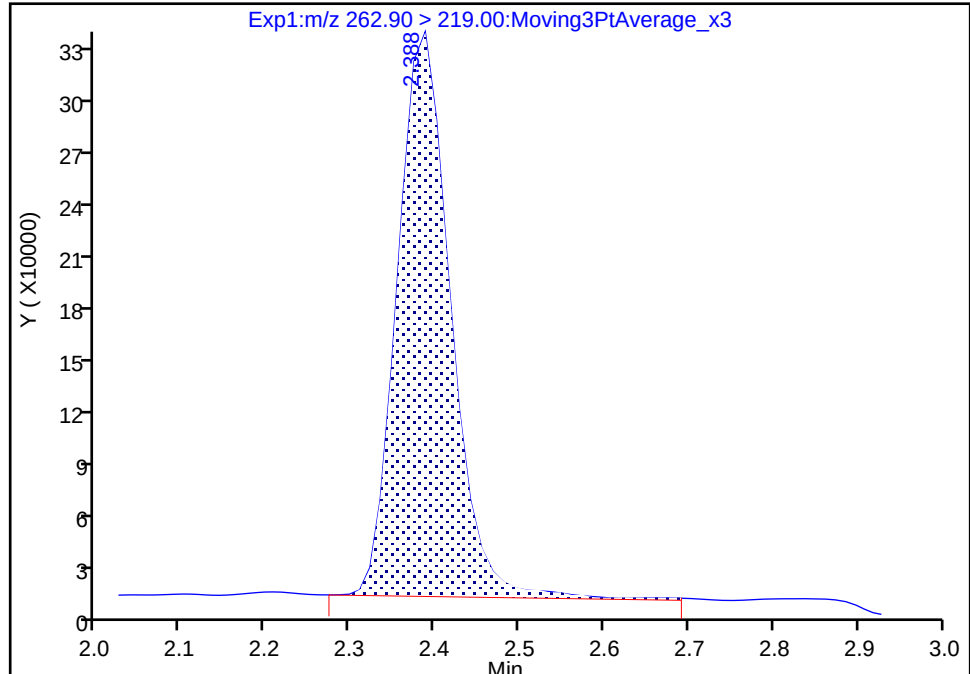
EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

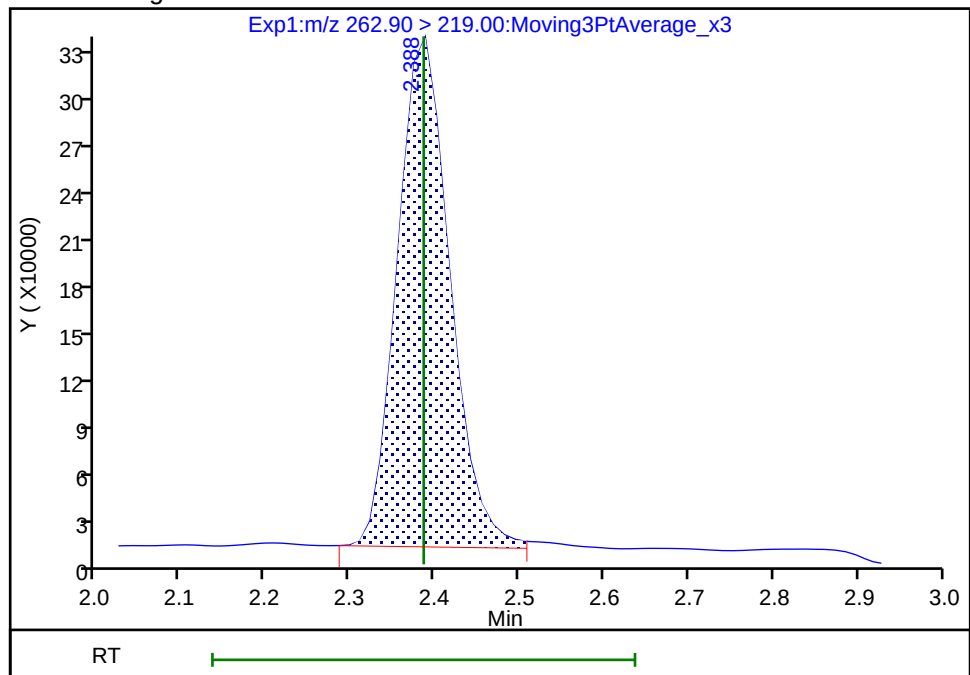
RT: 2.39
Area: 1430191
Amount: 1.001645
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 1413538
Amount: 0.989981
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:20:55

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A07.d

Injection Date: 30-Nov-2022 10:05:41

Instrument ID: LC812

Lims ID: LCS 200-186147/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

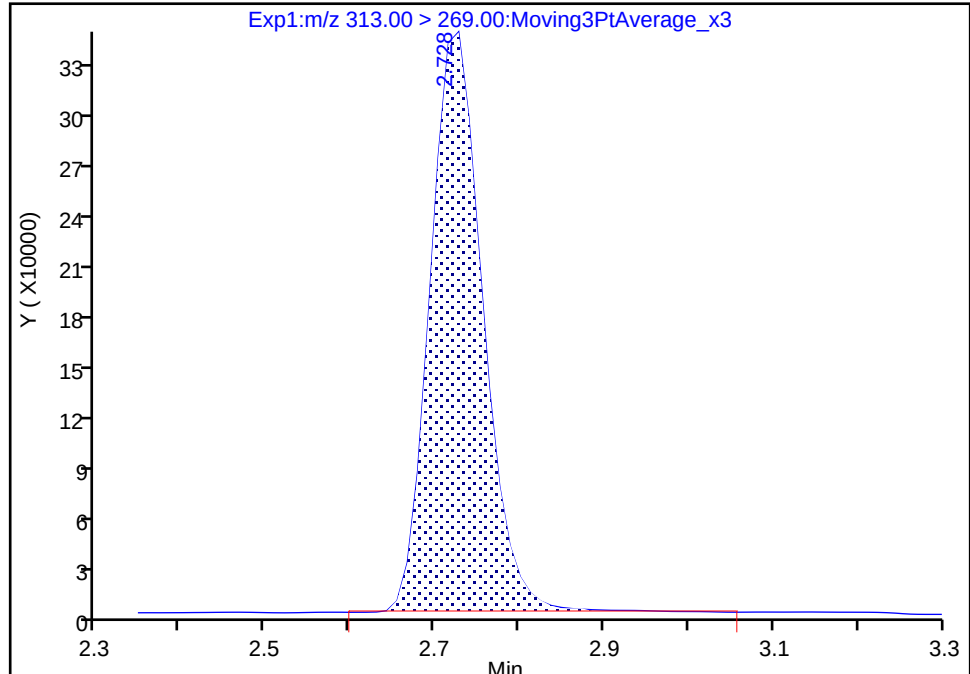
Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

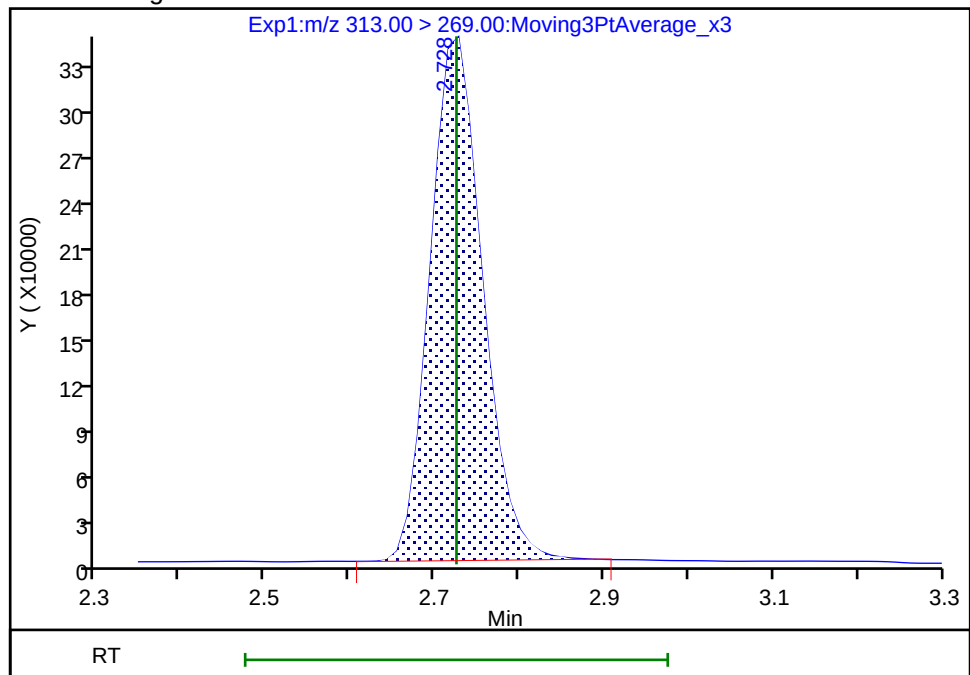
RT: 2.73
Area: 1518930
Amount: 0.968540
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 1503125
Amount: 0.958462
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:21:10

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A07.d

Injection Date: 30-Nov-2022 10:05:41

Instrument ID: LC812

Lims ID: LCS 200-186147/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

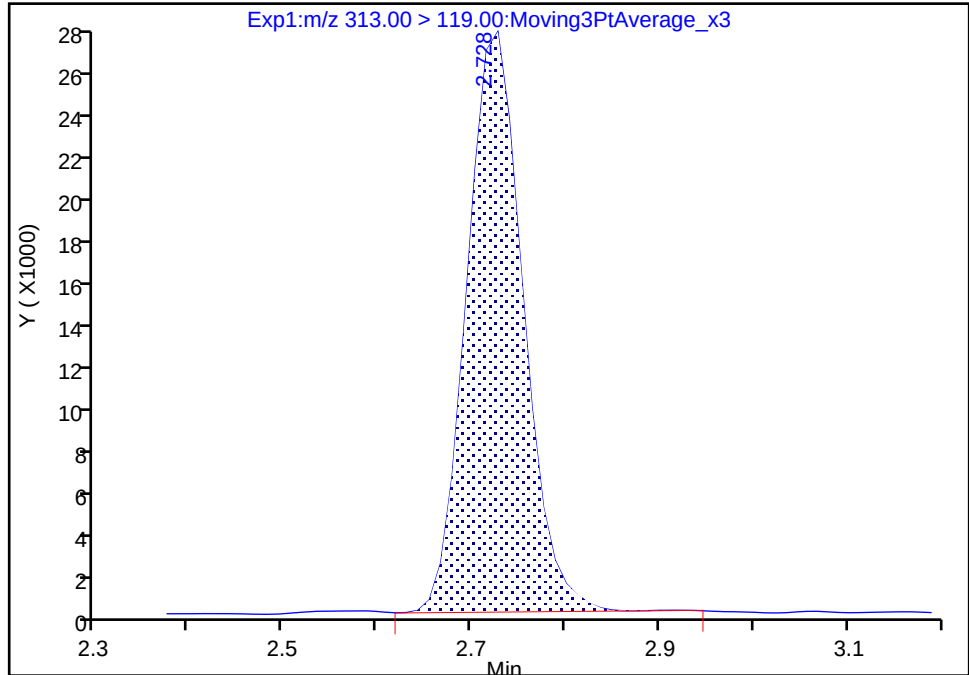
EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

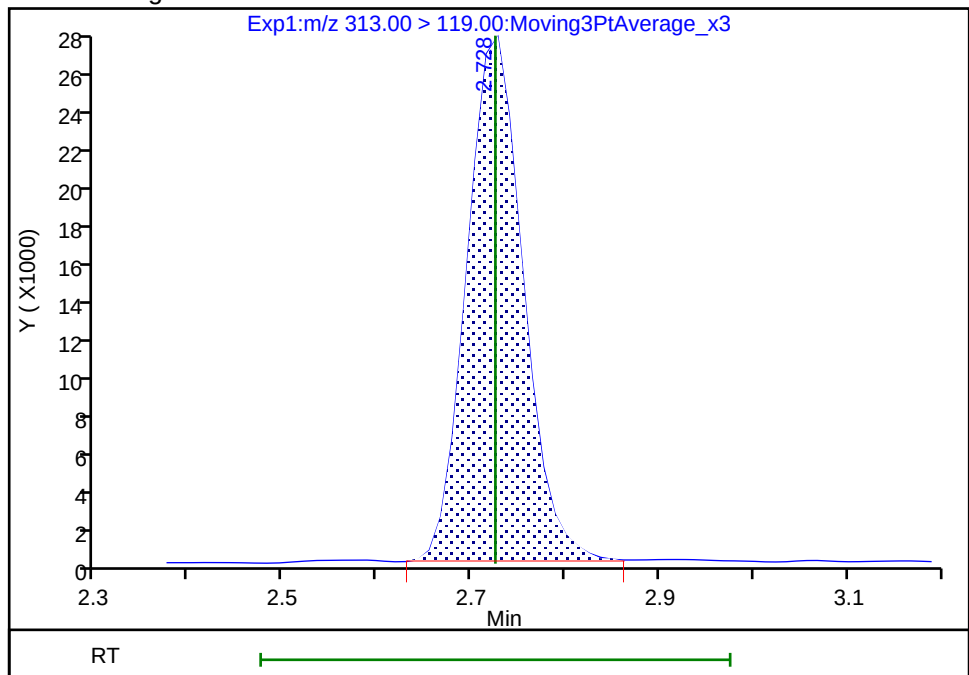
RT: 2.73
Area: 112365
Amount: 0.968540
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 112001
Amount: 0.958462
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:21:13

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

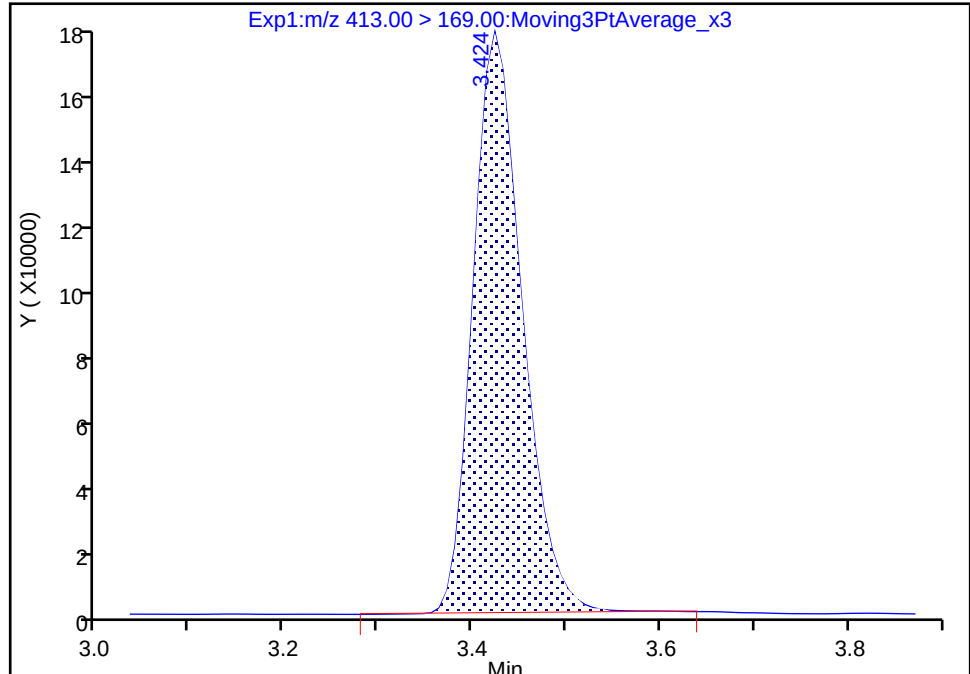
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A07.d
Injection Date: 30-Nov-2022 10:05:41 Instrument ID: LC812
Lims ID: LCS 200-186147/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

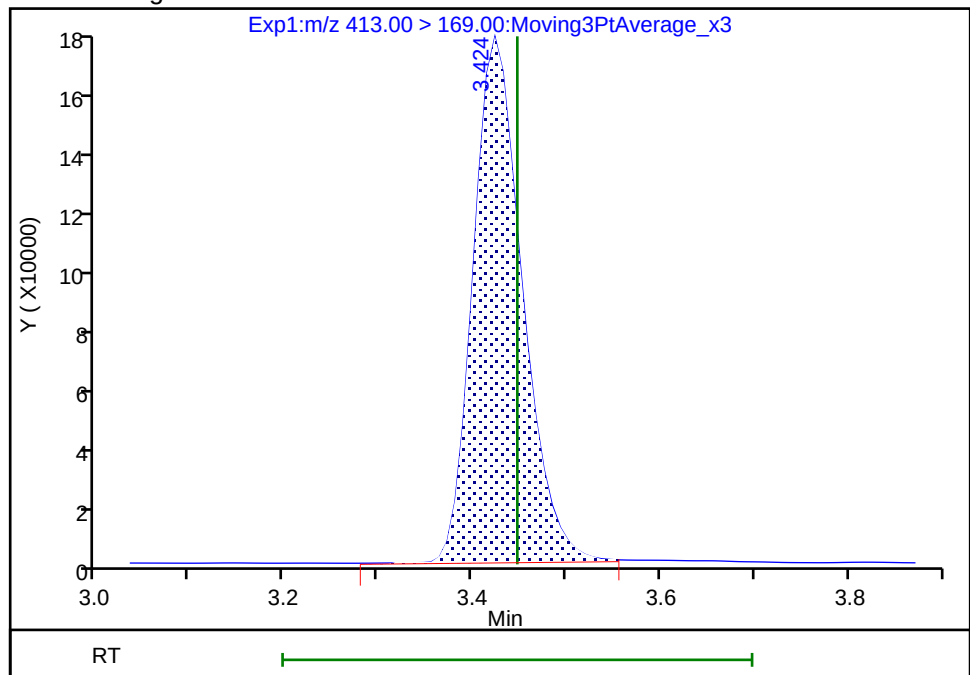
RT: 3.42
Area: 640494
Amount: 0.984464
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 639337
Amount: 0.984464
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:22:15

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

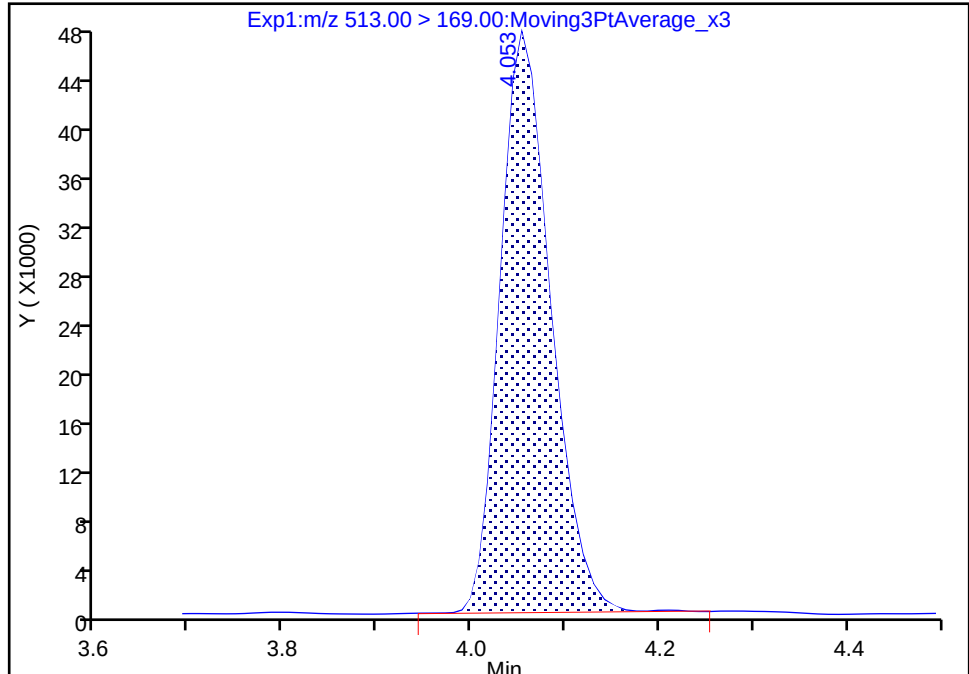
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A07.d
Injection Date: 30-Nov-2022 10:05:41 Instrument ID: LC812
Lims ID: LCS 200-186147/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

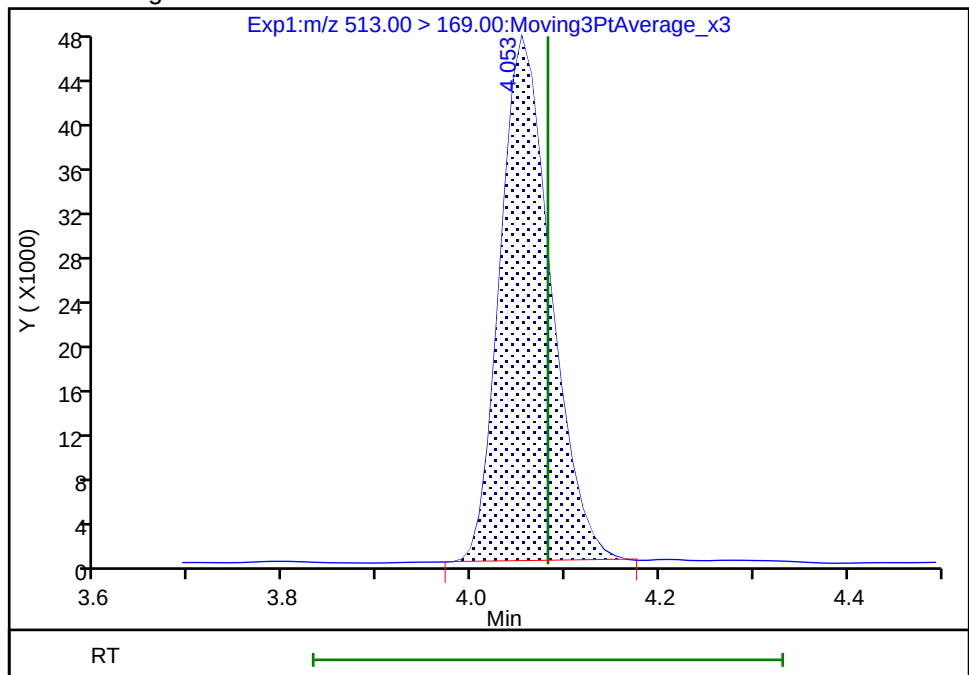
RT: 4.05
Area: 178642
Amount: 0.941377
Amount Units: ng/ml

Processing Integration Results



RT: 4.05
Area: 177880
Amount: 0.941377
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:23:07

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A07.d

Injection Date: 30-Nov-2022 10:05:41

Instrument ID: LC812

Lims ID: LCS 200-186147/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

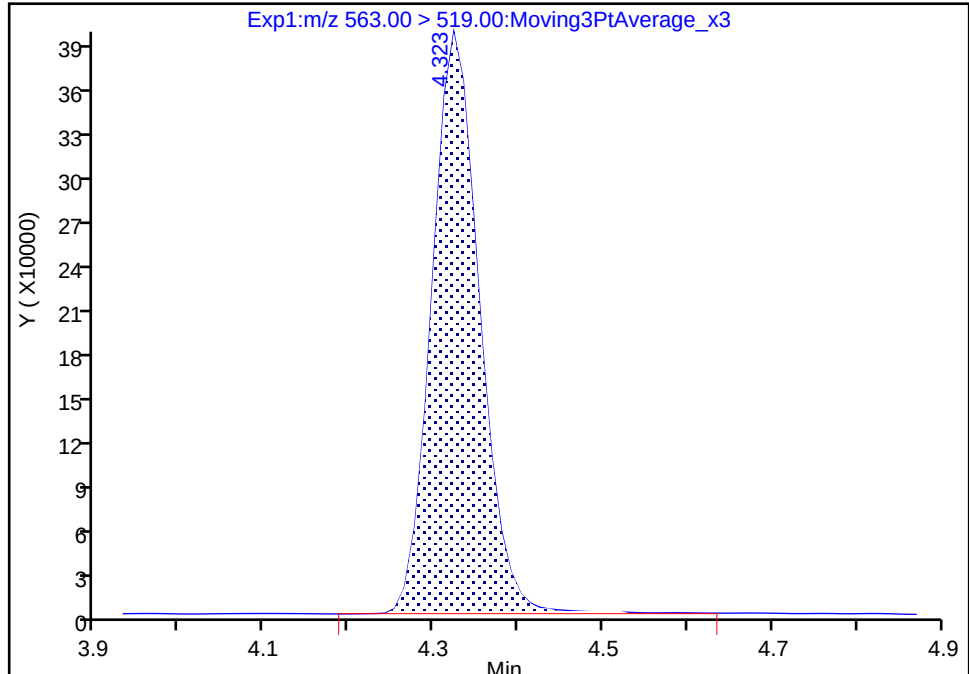
Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

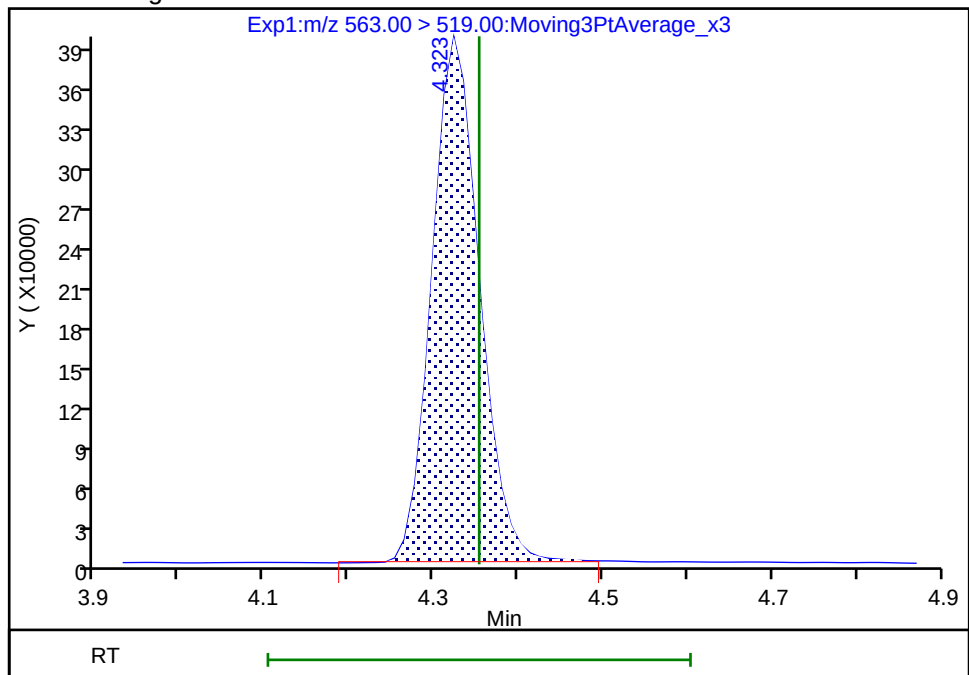
RT: 4.32
Area: 1551097
Amount: 0.974585
Amount Units: ng/ml

Processing Integration Results



RT: 4.32
Area: 1547325
Amount: 0.972215
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:23:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A07.d

Injection Date: 30-Nov-2022 10:05:41

Instrument ID: LC812

Lims ID: LCS 200-186147/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

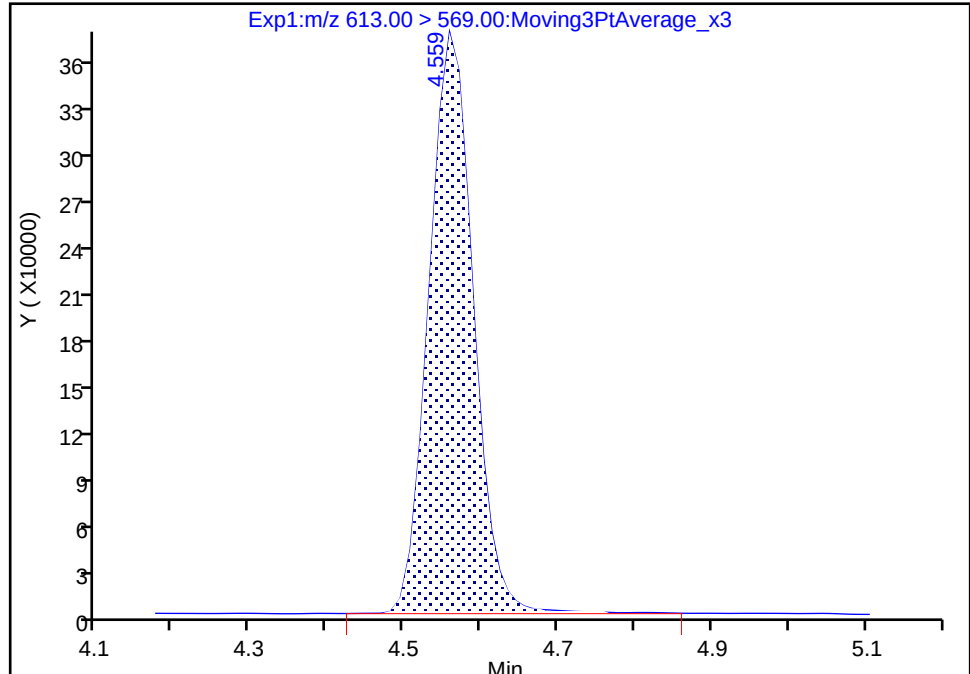
Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

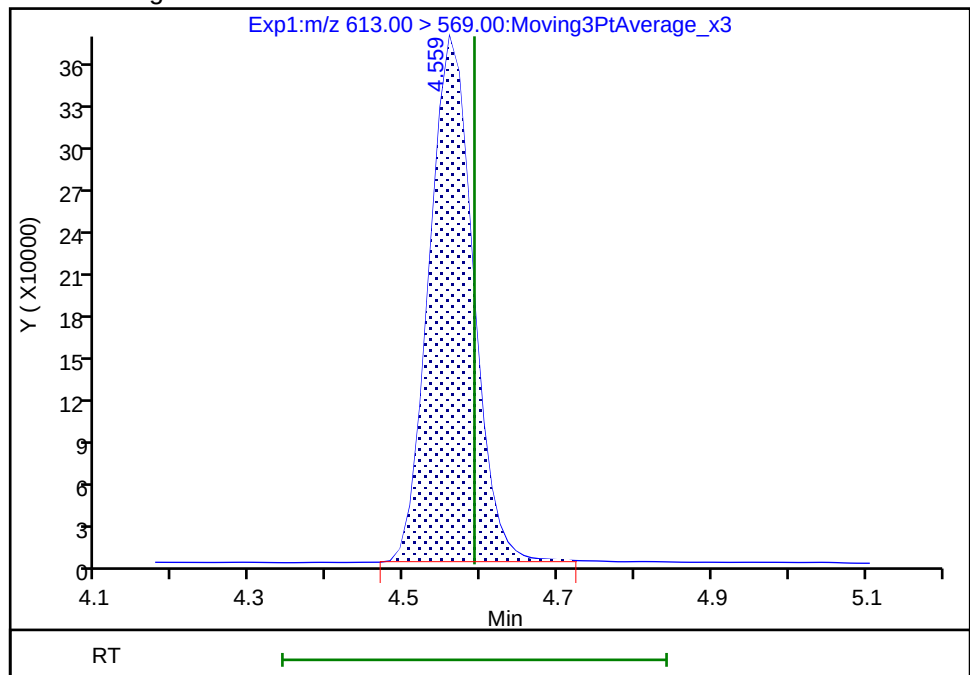
RT: 4.56
Area: 1501710
Amount: 1.047806
Amount Units: ng/ml

Processing Integration Results



RT: 4.56
Area: 1486238
Amount: 1.037011
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:23:52

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A07.d

Injection Date: 30-Nov-2022 10:05:41

Instrument ID: LC812

Lims ID: LCS 200-186147/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

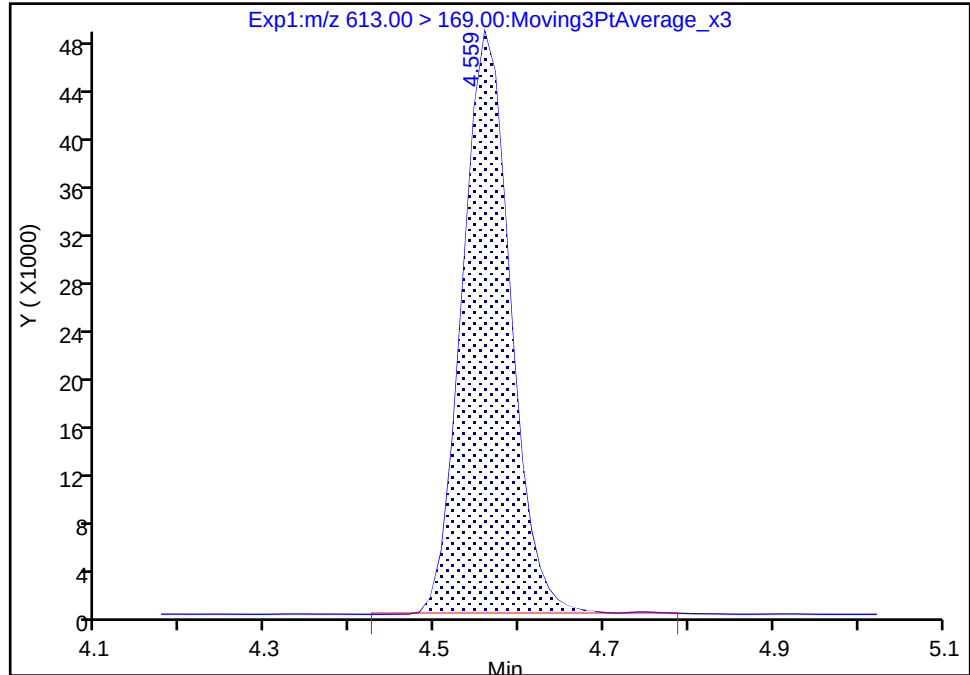
EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

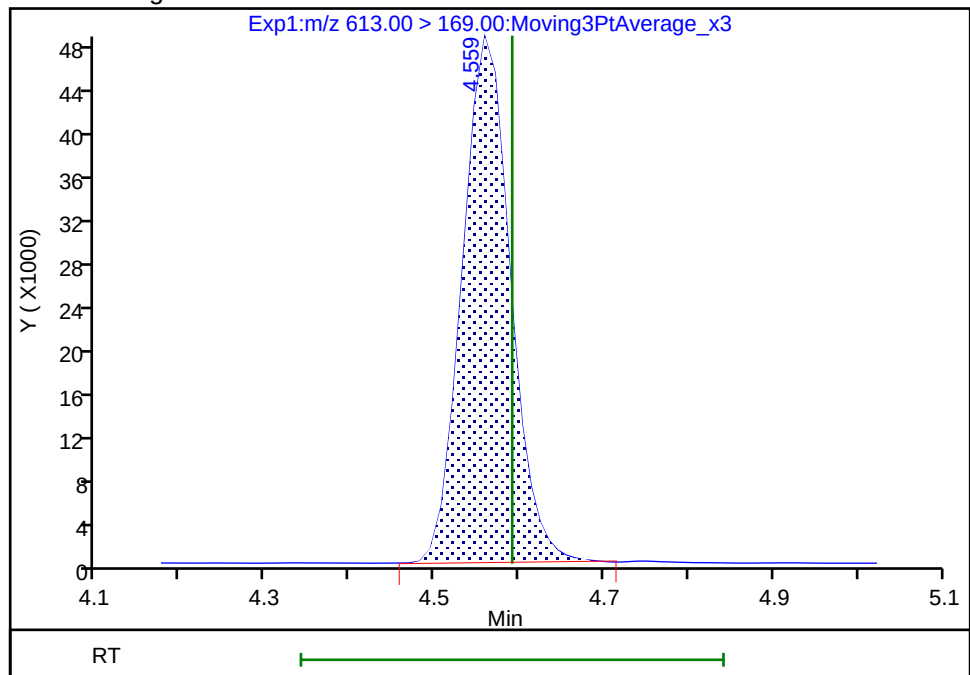
RT: 4.56
Area: 191895
Amount: 1.047806
Amount Units: ng/ml

Processing Integration Results



RT: 4.56
Area: 191356
Amount: 1.037011
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:23:56

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A07.d

Injection Date: 30-Nov-2022 10:05:41

Instrument ID: LC812

Lims ID: LCS 200-186147/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

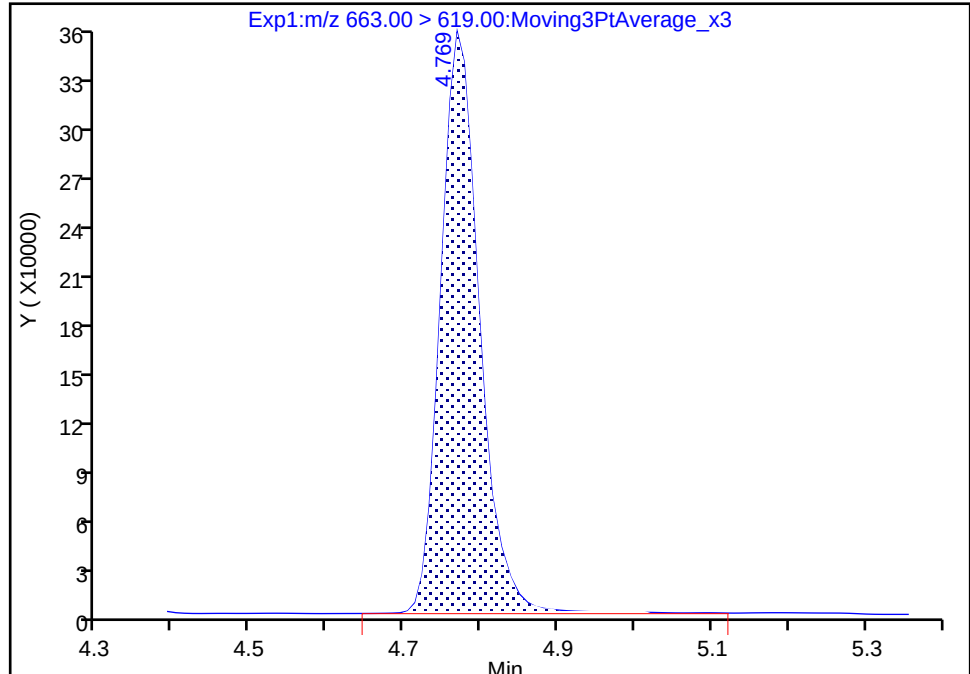
Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

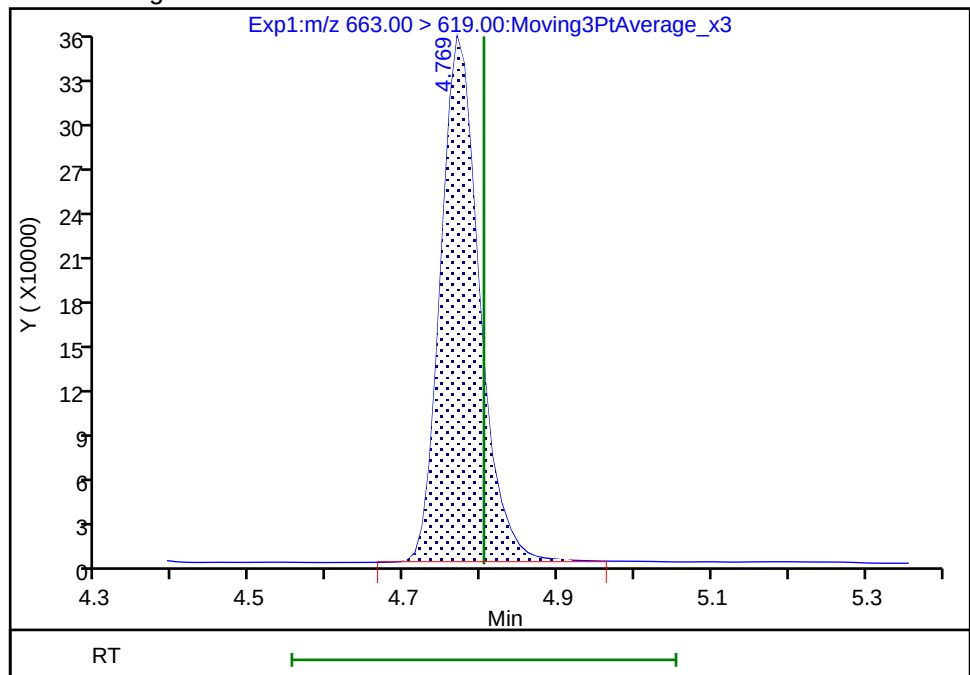
RT: 4.77
Area: 1260248
Amount: 0.919451
Amount Units: ng/ml

Processing Integration Results



RT: 4.77
Area: 1250190
Amount: 0.912113
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:24:11

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A07.d

Injection Date: 30-Nov-2022 10:05:41

Instrument ID: LC812

Lims ID: LCS 200-186147/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

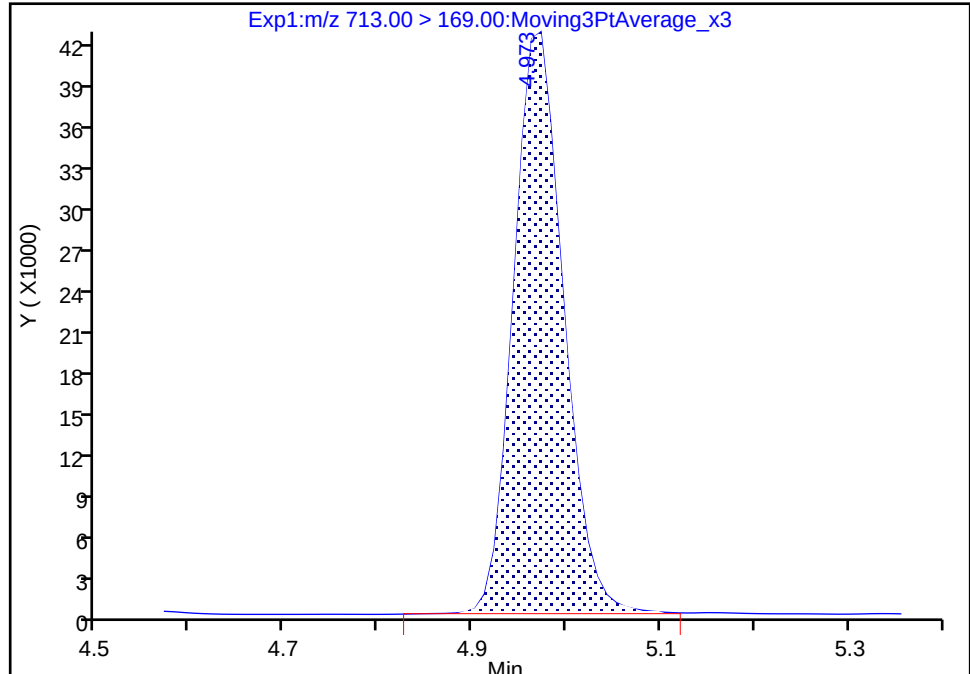
EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

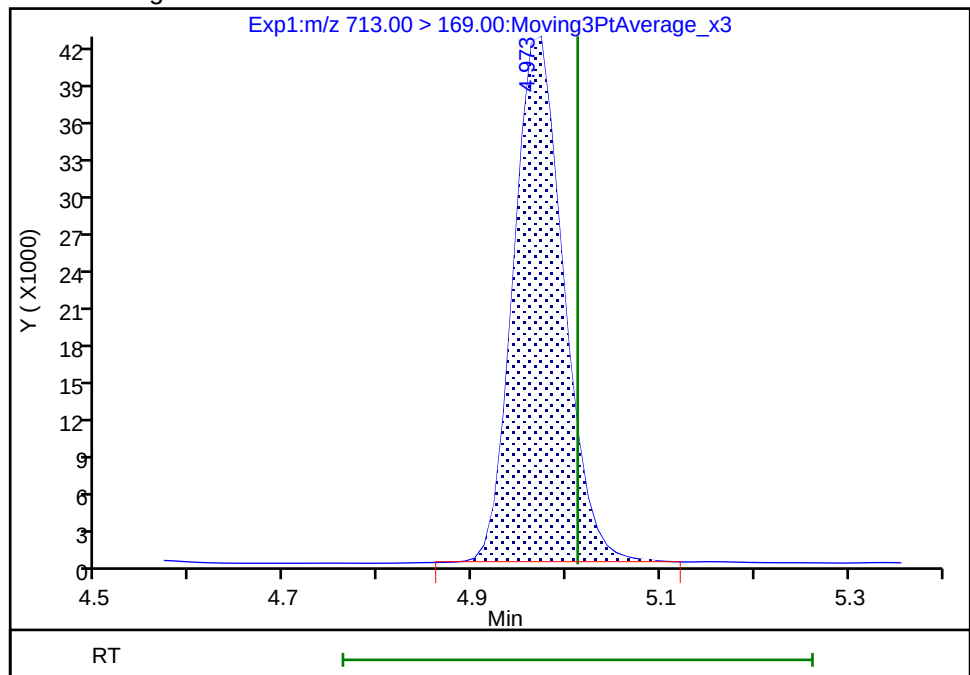
RT: 4.97
Area: 156296
Amount: 0.974034
Amount Units: ng/ml

Processing Integration Results



RT: 4.97
Area: 156025
Amount: 0.972345
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:24:19

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A07.d

Injection Date: 30-Nov-2022 10:05:41

Instrument ID: LC812

Lims ID: LCS 200-186147/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

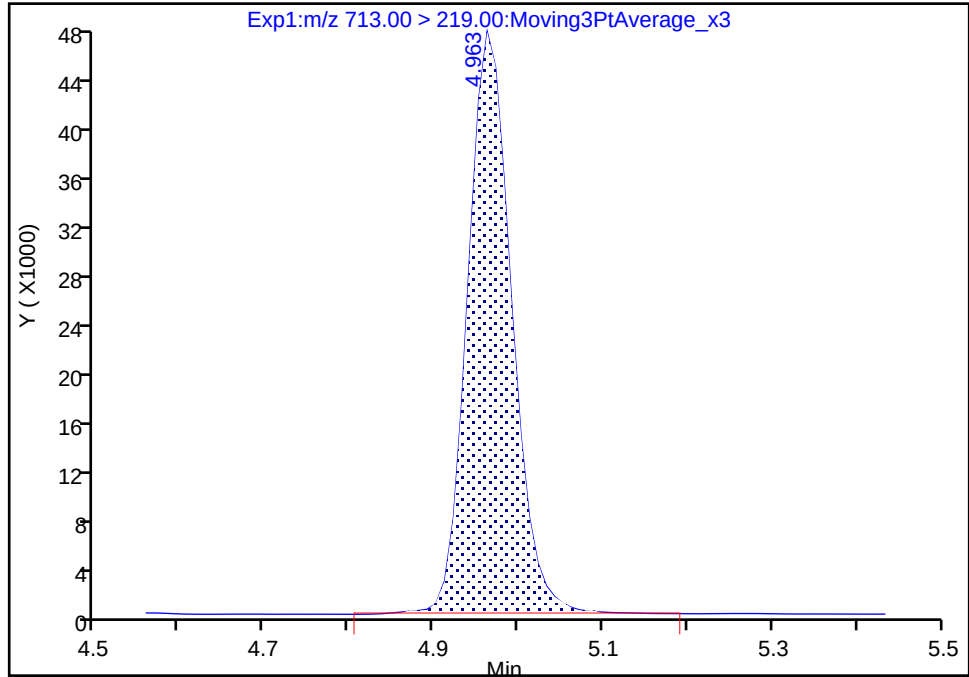
EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

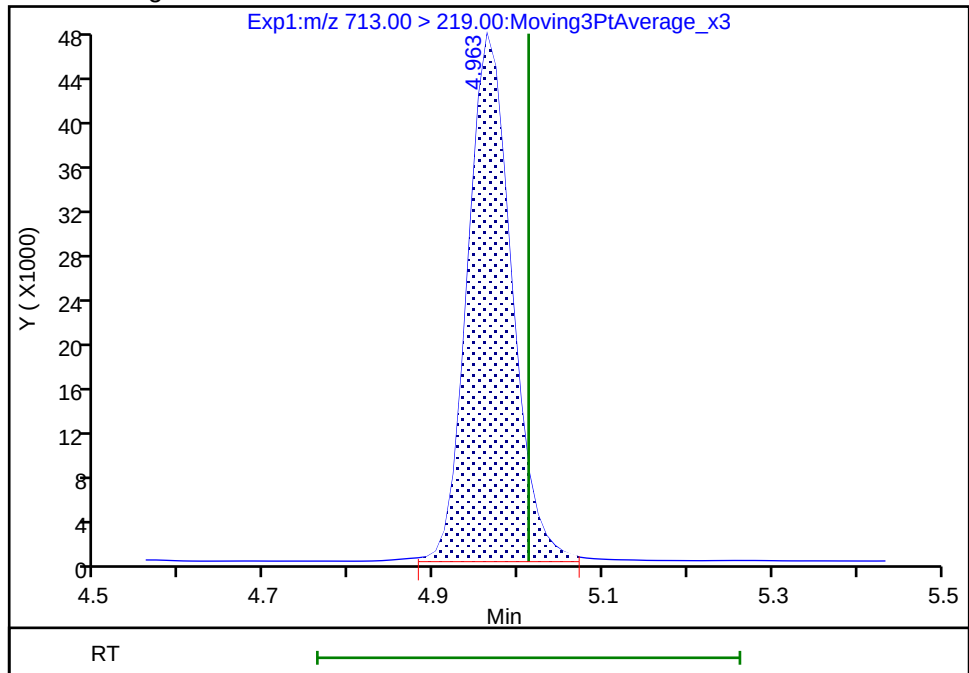
RT: 4.96
Area: 172359
Amount: 0.974034
Amount Units: ng/ml

Processing Integration Results



RT: 4.96
Area: 170950
Amount: 0.972345
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:24:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A07.d

Injection Date: 30-Nov-2022 10:05:41

Instrument ID: LC812

Lims ID: LCS 200-186147/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

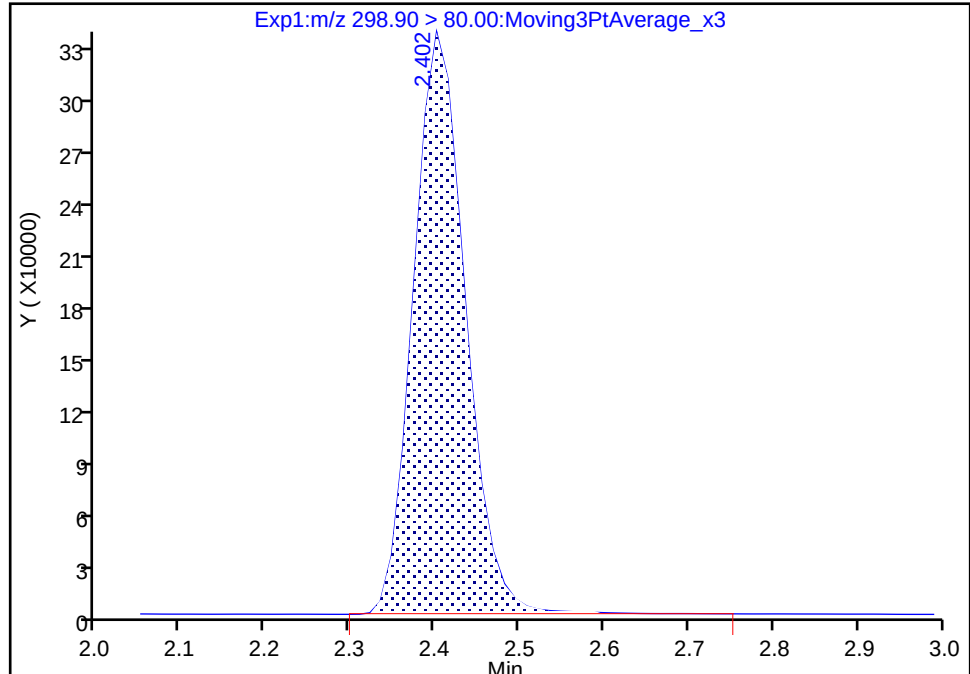
EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

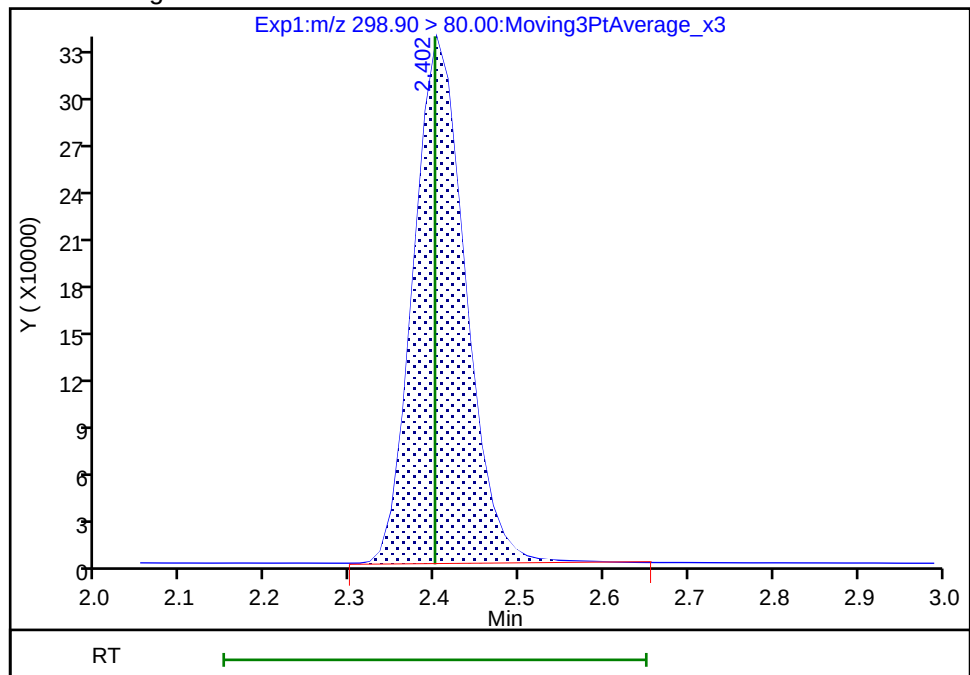
RT: 2.40
Area: 1438960
Amount: 0.840965
Amount Units: ng/ml

Processing Integration Results



RT: 2.40
Area: 1435762
Amount: 0.839096
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:21:03

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A07.d

Injection Date: 30-Nov-2022 10:05:41

Instrument ID: LC812

Lims ID: LCS 200-186147/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

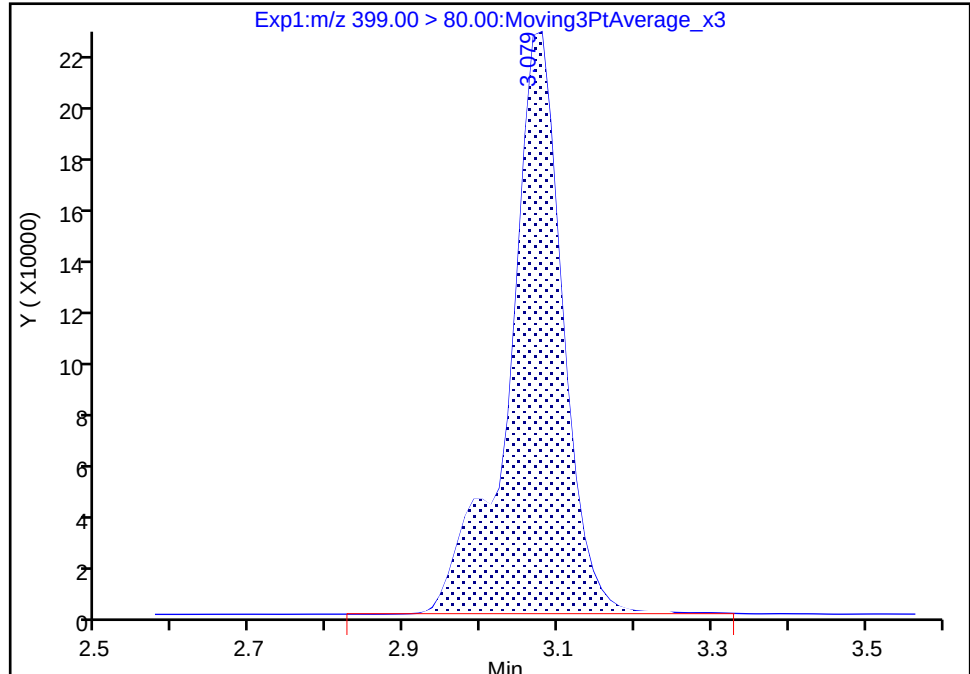
Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

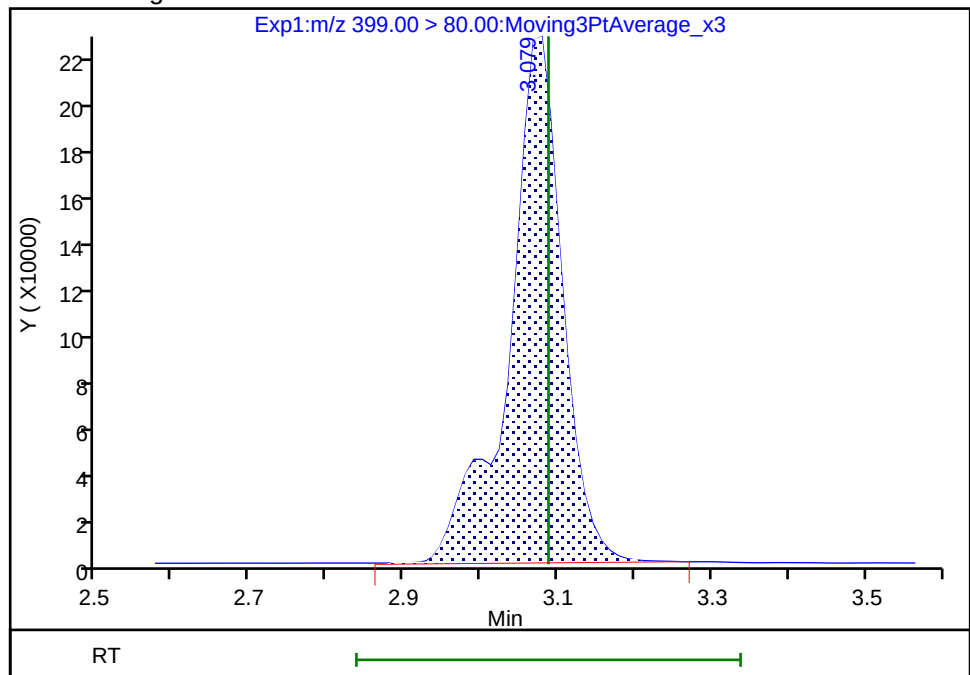
RT: 3.08
Area: 1109834
Amount: 0.881900
Amount Units: ng/ml

Processing Integration Results



RT: 3.08
Area: 1110916
Amount: 0.882760
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:21:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A07.d

Injection Date: 30-Nov-2022 10:05:41

Instrument ID: LC812

Lims ID: LCS 200-186147/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

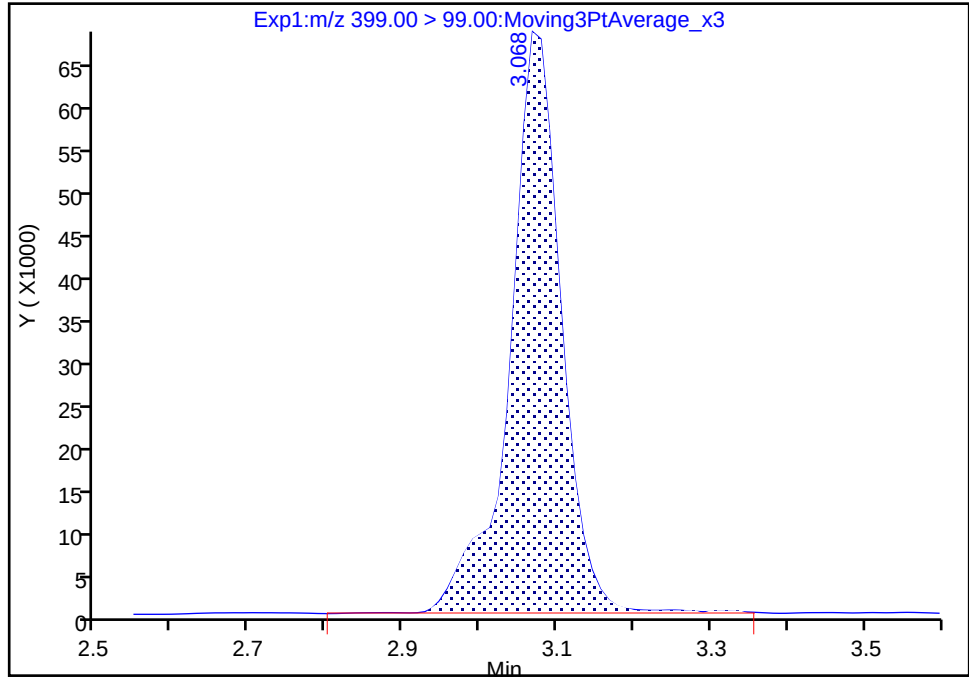
EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

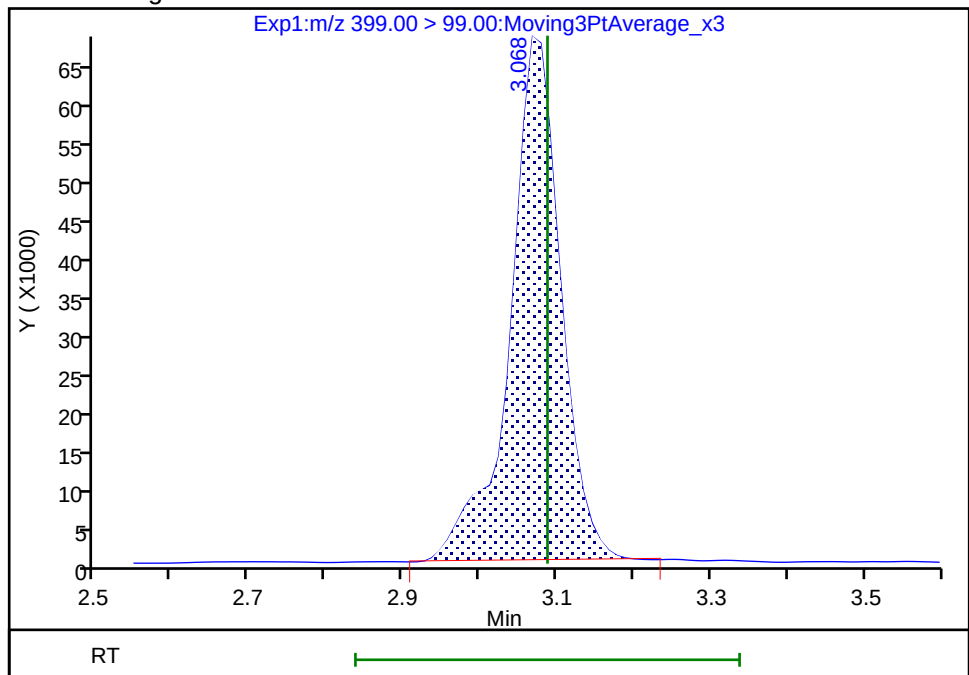
RT: 3.07
Area: 318724
Amount: 0.881900
Amount Units: ng/ml

Processing Integration Results



RT: 3.07
Area: 314208
Amount: 0.882760
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:21:48

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A07.d

Injection Date: 30-Nov-2022 10:05:41

Instrument ID: LC812

Lims ID: LCS 200-186147/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

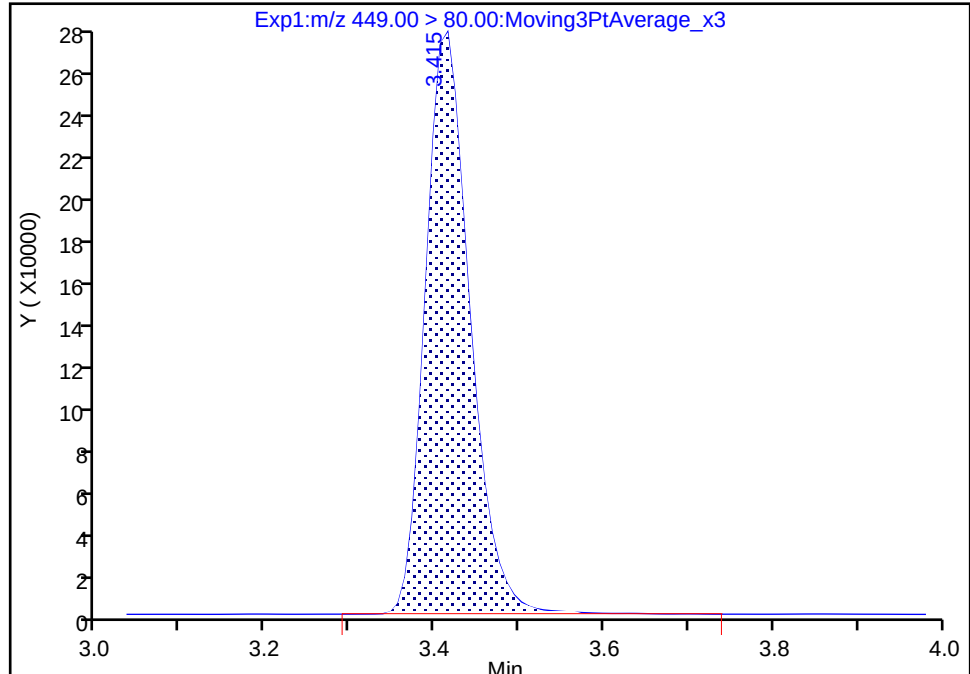
EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

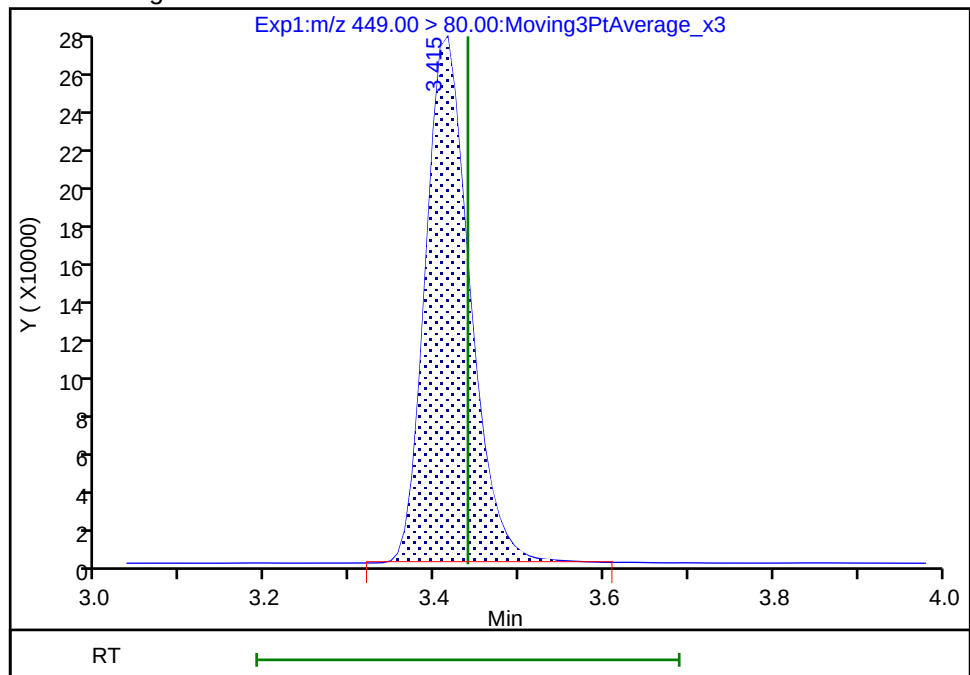
RT: 3.42
Area: 1015496
Amount: 0.954488
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 1010424
Amount: 0.949721
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:22:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

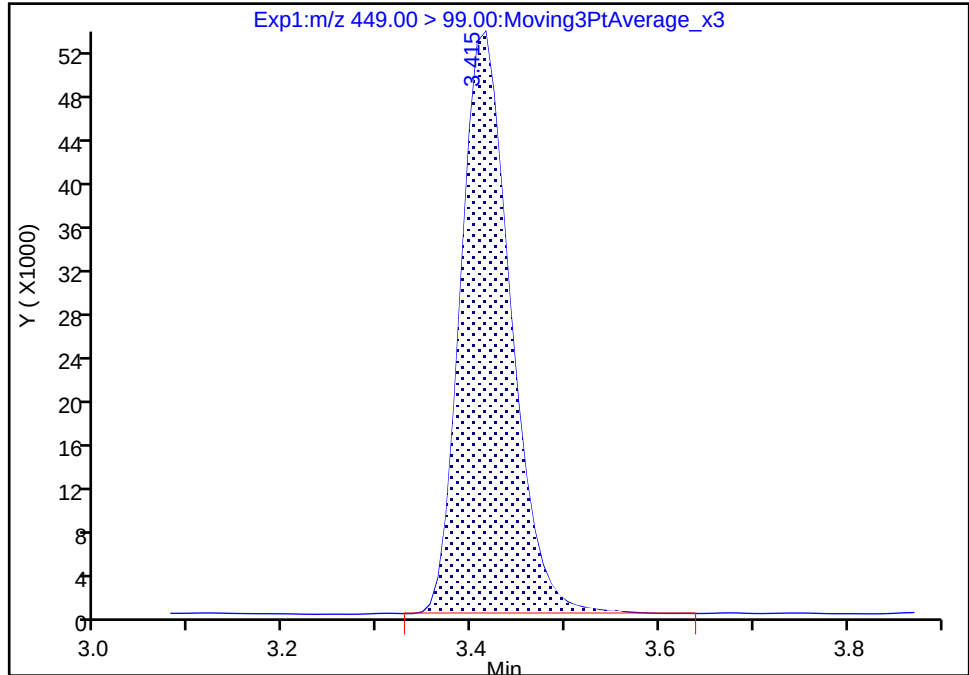
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A07.d
Injection Date: 30-Nov-2022 10:05:41 Instrument ID: LC812
Lims ID: LCS 200-186147/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

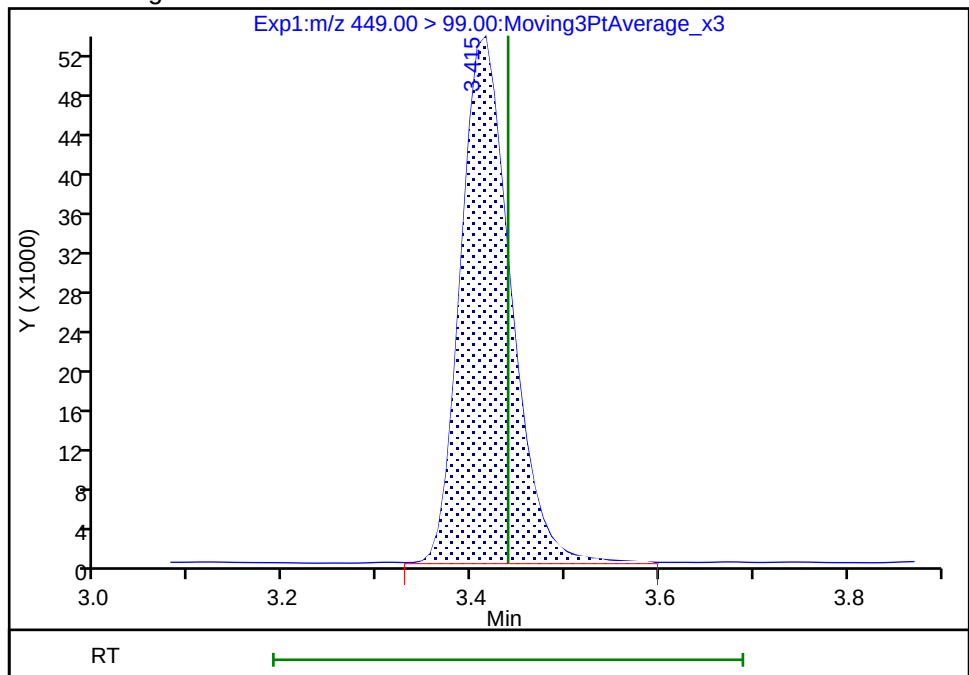
RT: 3.42
Area: 199378
Amount: 0.954488
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 198512
Amount: 0.949721
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:22:04

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 801 of 90012/2/2022 2:28
PM

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A07.d

Injection Date: 30-Nov-2022 10:05:41

Instrument ID: LC812

Lims ID: LCS 200-186147/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

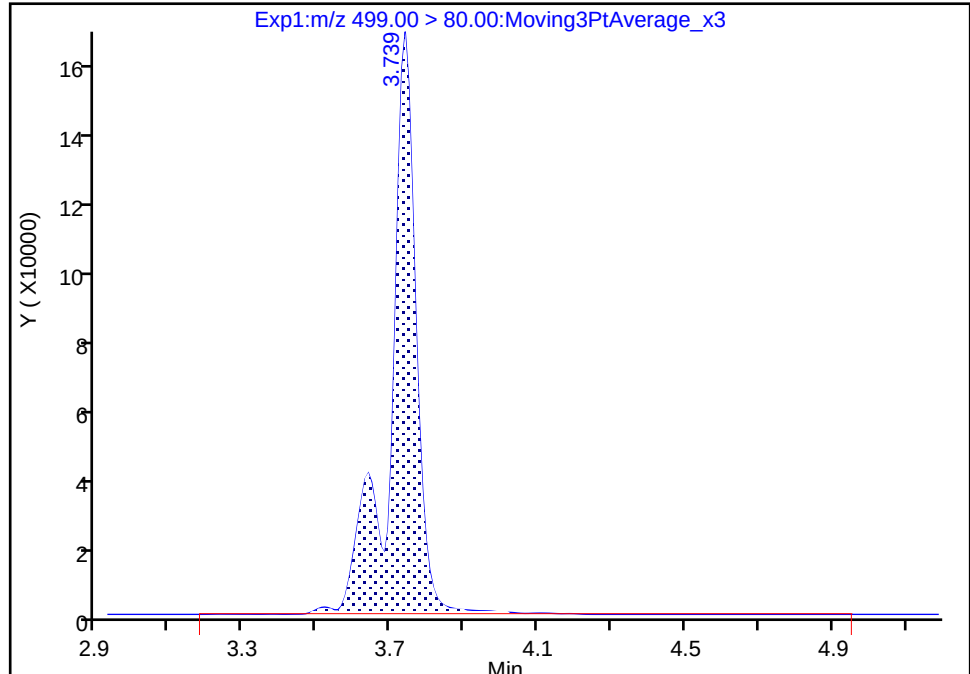
EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

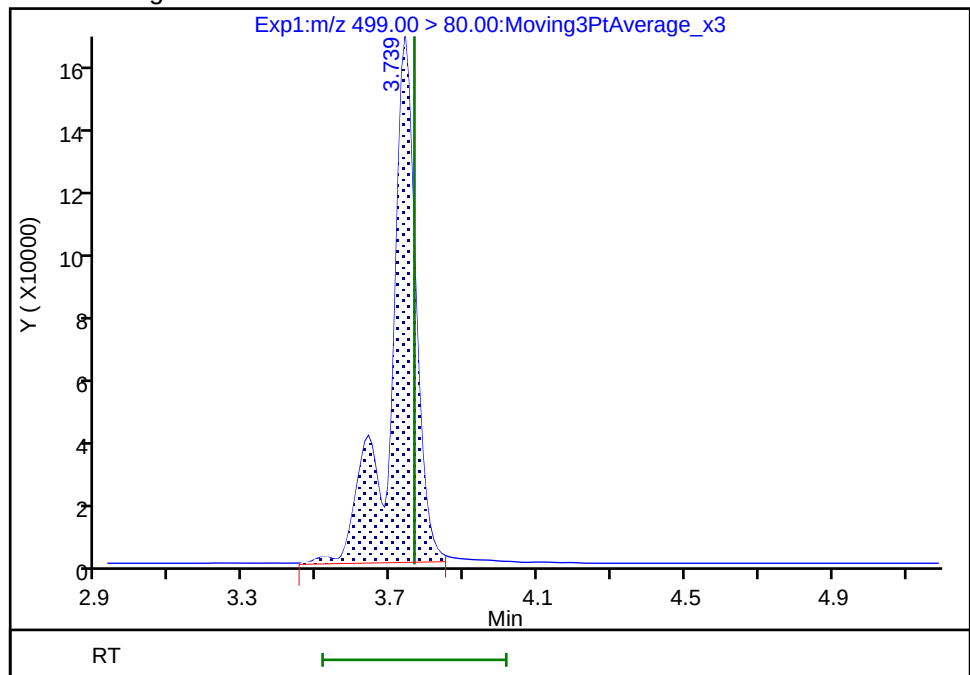
RT: 3.74
Area: 831453
Amount: 0.897544
Amount Units: ng/ml

Processing Integration Results



RT: 3.74
Area: 811684
Amount: 0.876203
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:22:30

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A07.d

Injection Date: 30-Nov-2022 10:05:41

Instrument ID: LC812

Lims ID: LCS 200-186147/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

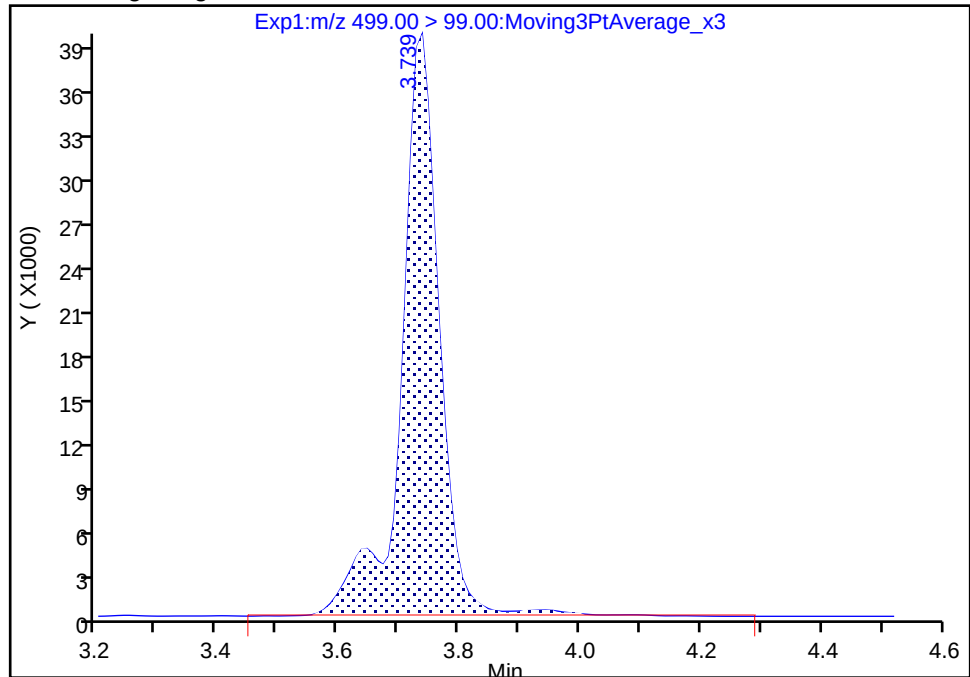
EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

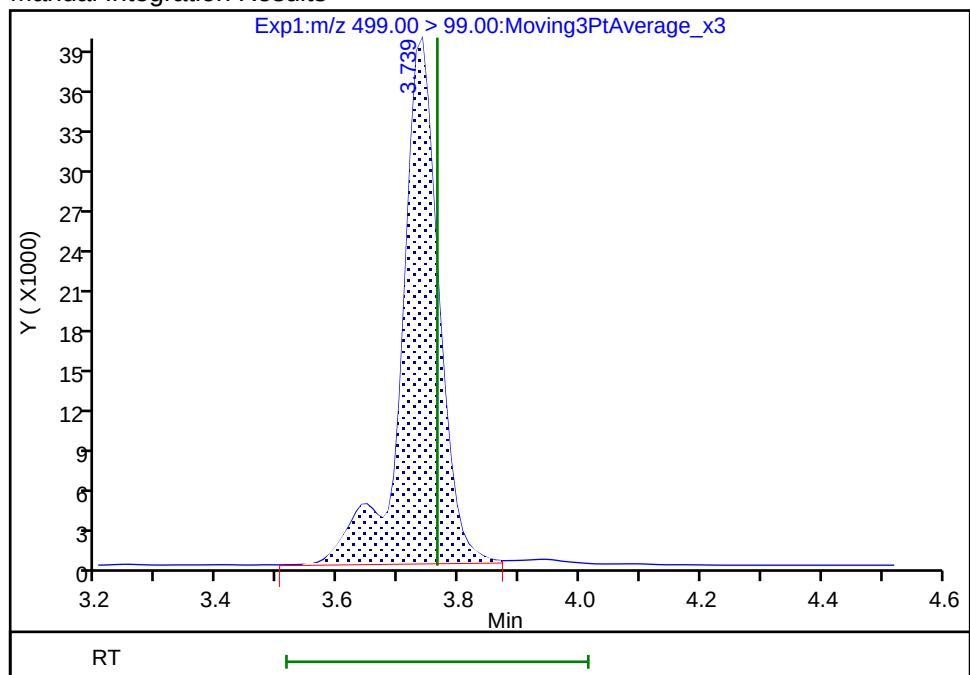
RT: 3.74
Area: 176827
Amount: 0.897544
Amount Units: ng/ml

Processing Integration Results



RT: 3.74
Area: 172058
Amount: 0.876203
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:22:48

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A07.d

Injection Date: 30-Nov-2022 10:05:41

Instrument ID: LC812

Lims ID: LCS 200-186147/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

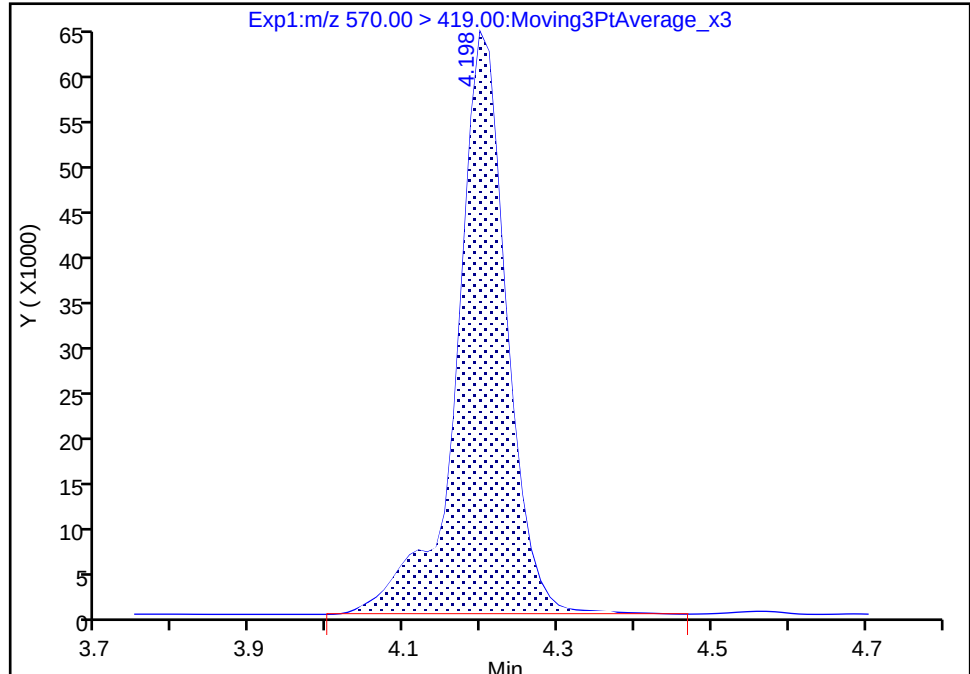
Detector: EXP1

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

Signal: 1

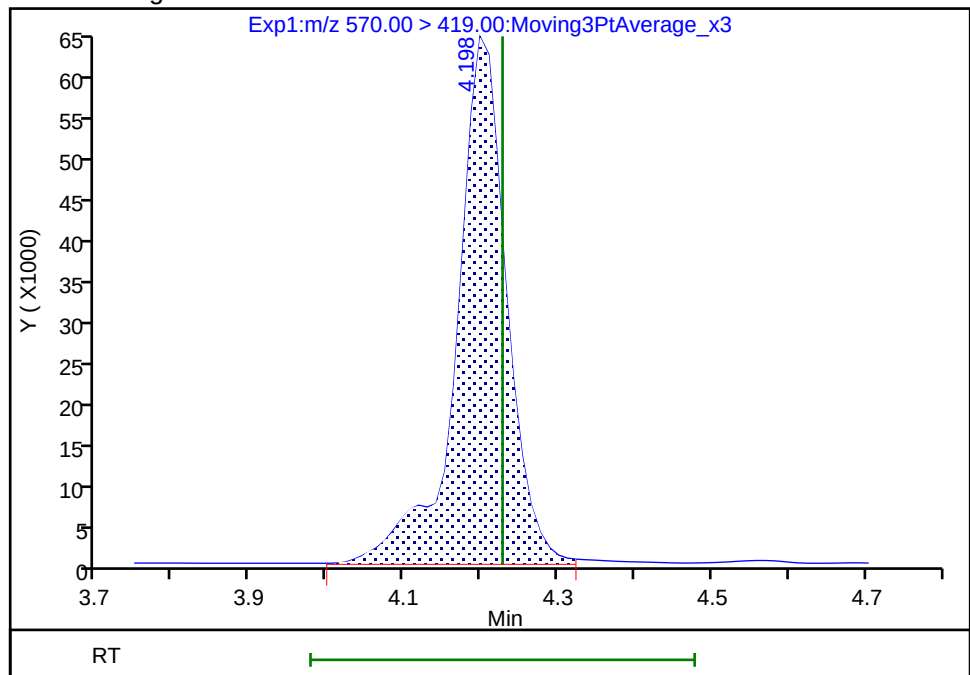
RT: 4.20
Area: 292567
Amount: 1.034222
Amount Units: ng/ml

Processing Integration Results



RT: 4.20
Area: 290759
Amount: 1.027759
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:23:25

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A07.d

Injection Date: 30-Nov-2022 10:05:41

Instrument ID: LC812

Lims ID: LCS 200-186147/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

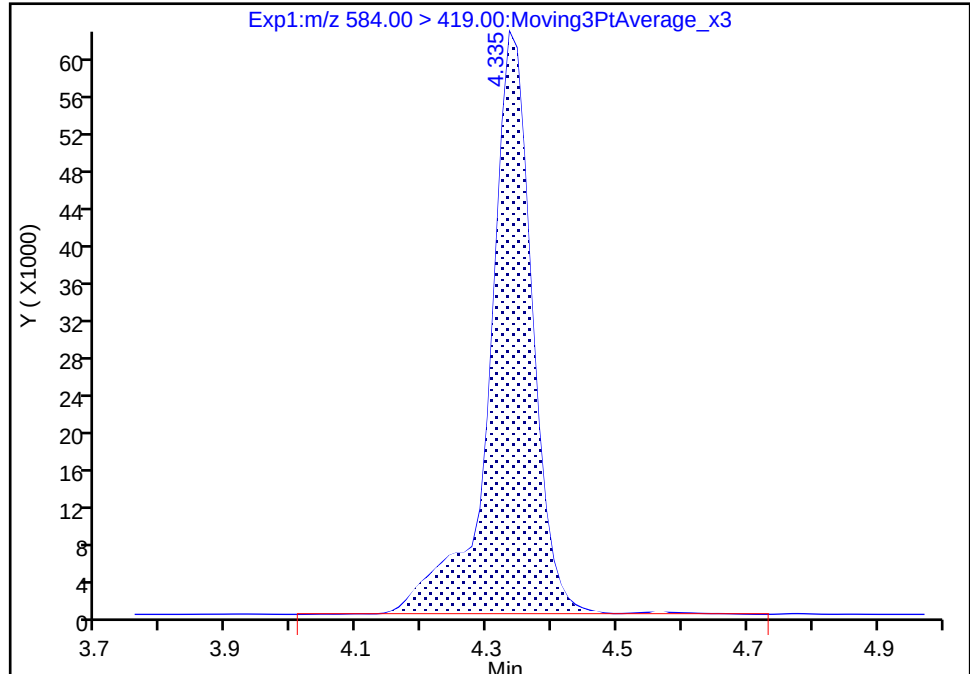
Detector: EXP1

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

Signal: 1

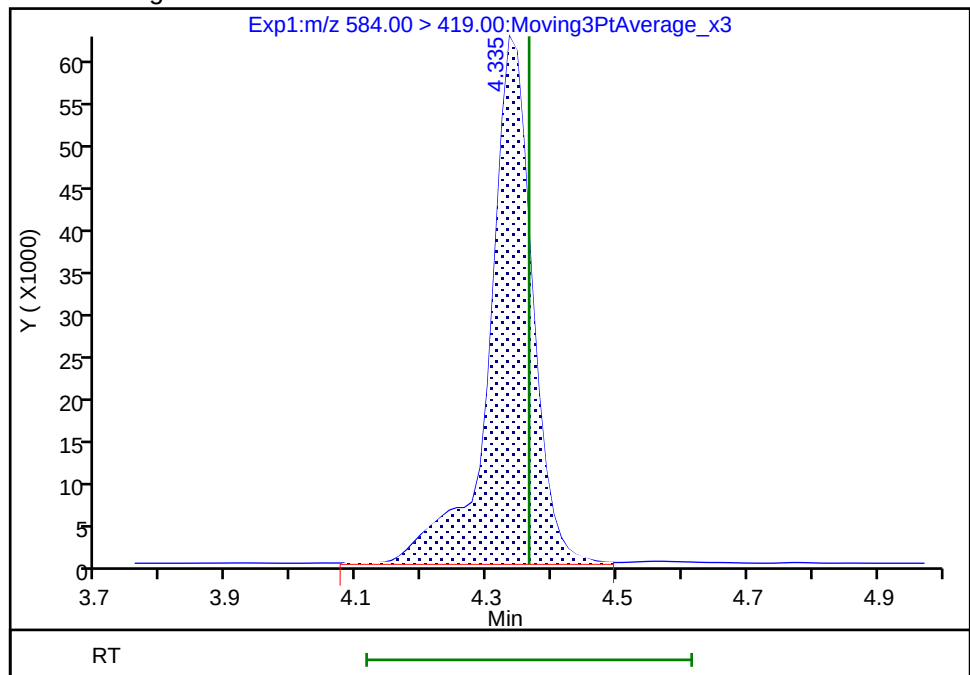
RT: 4.33
Area: 289890
Amount: 1.041319
Amount Units: ng/ml

Processing Integration Results



RT: 4.33
Area: 288061
Amount: 1.034749
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 01-Dec-2022 08:12:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

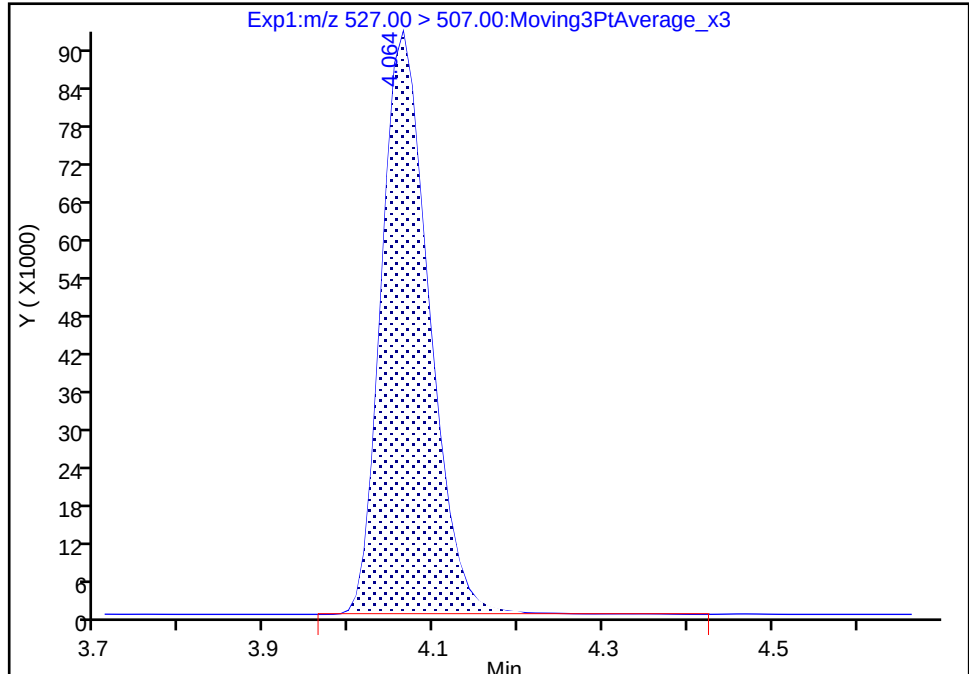
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A07.d
Injection Date: 30-Nov-2022 10:05:41 Instrument ID: LC812
Lims ID: LCS 200-186147/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

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

Signal: 1

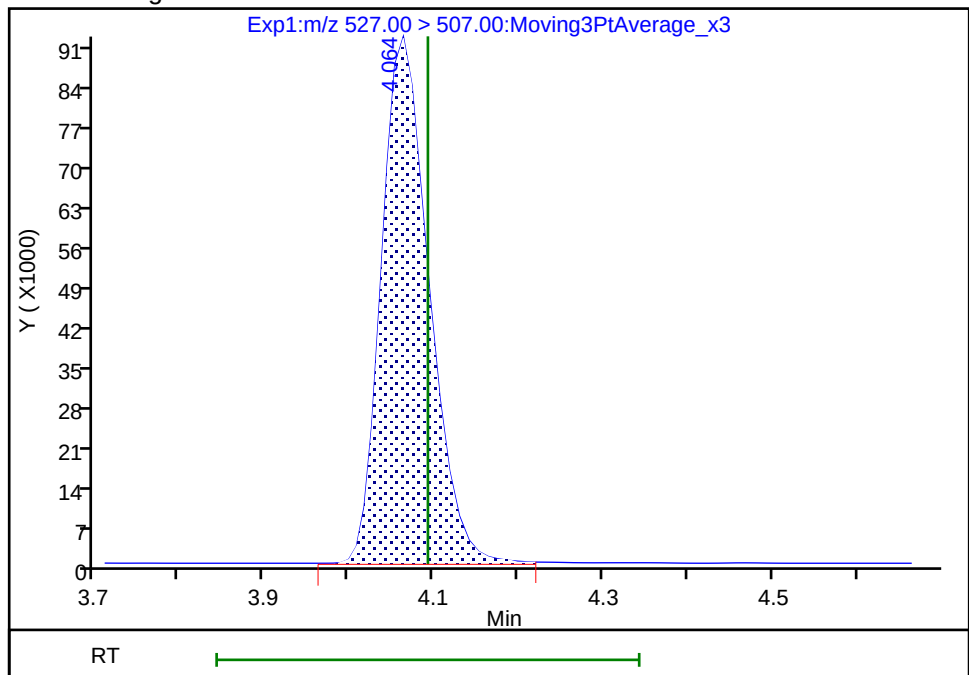
RT: 4.06
Area: 362427
Amount: 0.974592
Amount Units: ng/ml

Processing Integration Results



RT: 4.06
Area: 361413
Amount: 0.971866
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:23:16

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A07.d

Injection Date: 30-Nov-2022 10:05:41

Instrument ID: LC812

Lims ID: LCS 200-186147/2-A

Client ID:

Operator ID: lc812tech

ALS Bottle#:

4

Worklist Smp#: 7

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

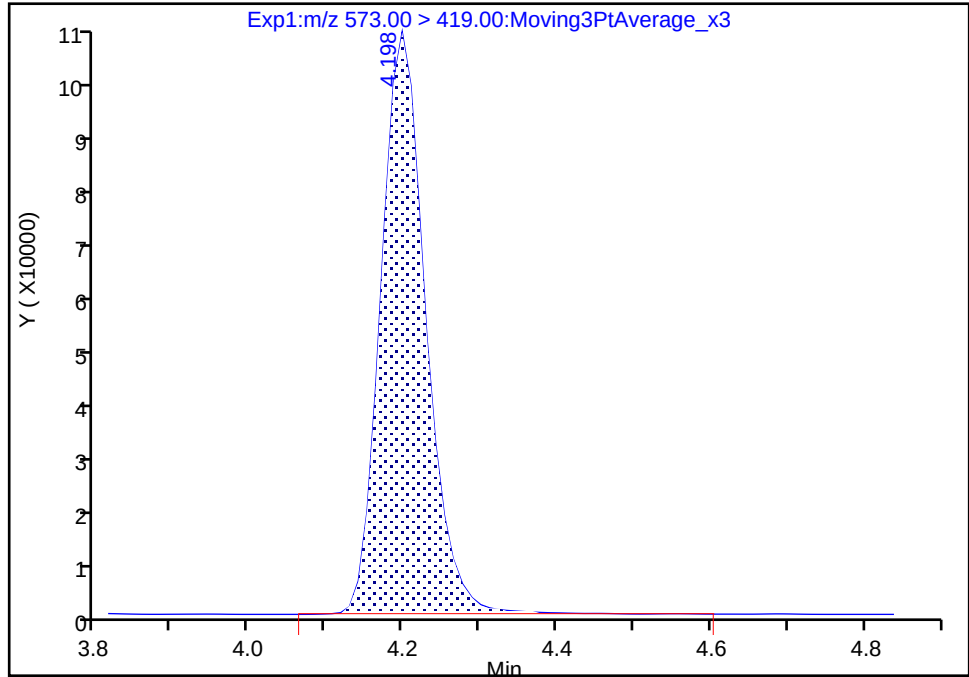
Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

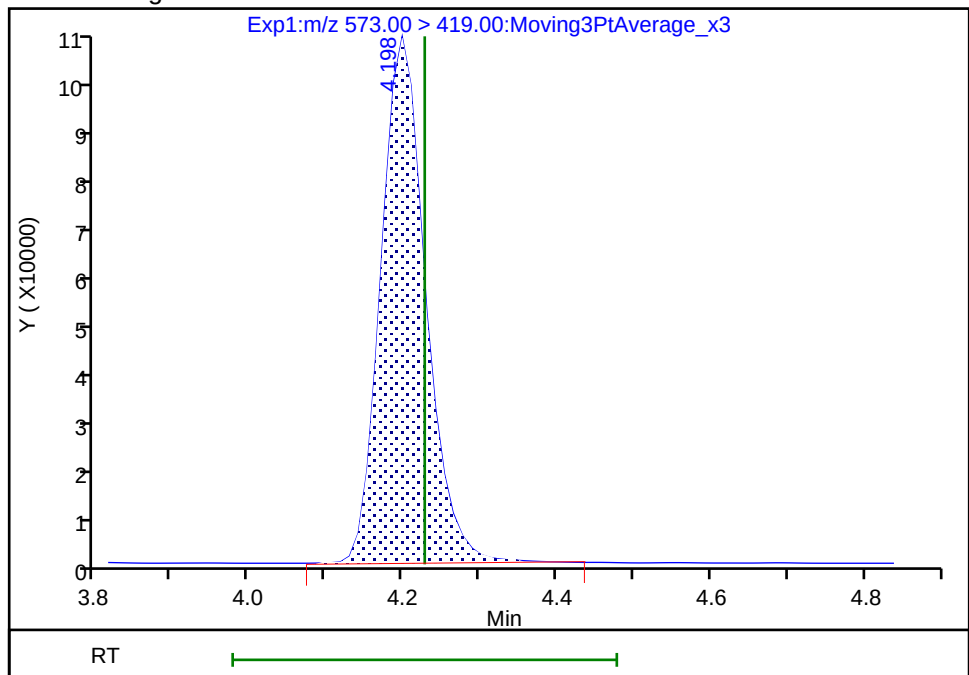
RT: 4.20
Area: 408570
Amount: 0.981669
Amount Units: ng/ml

Processing Integration Results



RT: 4.20
Area: 406485
Amount: 0.976659
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:20:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-269761-1

SDG No.: _____

Client Sample ID: BCS-09-06_(0-5.5)P MS Lab Sample ID: 460-269761-1 MS

Matrix: Solid Lab File ID: PA221130A09.d

Analysis Method: 537 (modified) Date Collected: 11/17/2022 13:35

Extraction Method: SHAKE Date Extracted: 11/29/2022 10:30

Sample wt/vol: 5.01(g) Date Analyzed: 11/30/2022 10:22

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

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

% Moisture: 18.4 % Solids: 81.6 GPC Cleanup: (Y/N) N

Cleanup Factor: _____

Analysis Batch No.: 186193 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	2.384		0.61	0.40
2706-90-3	Perfluoropentanoic acid (PFPeA)	2.400		0.24	0.067
307-24-4	Perfluorohexanoic acid (PFHxA)	2.255		0.24	0.056
375-85-9	Perfluoroheptanoic acid (PFHpA)	2.241		0.24	0.048
335-67-1	Perfluorooctanoic acid (PFOA)	2.234		0.24	0.071
375-95-1	Perfluorononanoic acid (PFNA)	2.455		0.24	0.042
335-76-2	Perfluorodecanoic acid (PFDA)	2.267		0.24	0.034
2058-94-8	Perfluoroundecanoic acid (PFUnA)	2.429		0.24	0.033
307-55-1	Perfluorododecanoic acid (PFDoA)	2.370		0.24	0.031
72629-94-8	Perfluorotridecanoic acid (PFTriA)	2.389		0.24	0.031
376-06-7	Perfluorotetradecanoic acid (PFTeA)	2.320		0.24	0.032
375-73-5	Perfluorobutanesulfonic acid (PFBS)	2.070		0.24	0.040
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	2.231		0.24	0.050
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	2.227		0.24	0.028
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	2.162		0.24	0.13
335-77-3	Perfluorodecanesulfonic acid (PFDS)	2.143		0.24	0.023
754-91-6	Perfluorooctanesulfonamide (FOSA)	2.393		0.24	0.042
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.408	J	2.45	0.13
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.264	J	2.45	0.10
27619-97-2	6:2 FTS	2.430	J	2.45	0.070
39108-34-4	8:2 FTS	2.172	J	2.45	0.045

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-269761-1
 SDG No.: _____
 Client Sample ID: BCS-09-06_(0-5.5)P MS Lab Sample ID: 460-269761-1 MS
 Matrix: Solid Lab File ID: PA221130A09.d
 Analysis Method: 537 (modified) Date Collected: 11/17/2022 13:35
 Extraction Method: SHAKE Date Extracted: 11/29/2022 10:30
 Sample wt/vol: 5.01(g) Date Analyzed: 11/30/2022 10:22
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6 (mm)
 % Moisture: 18.4 % Solids: 81.6 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186193 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	85		50-150
STL01892	13C4 PFHpA	90		50-150
STL00990	13C4 PFOA	90		50-150
STL00991	13C4 PFOS	87		50-150
STL00995	13C5 PFNA	88		50-150
STL00992	13C4 PFBA	71		50-150
STL00993	13C2 PFHxA	89		50-150
STL00996	13C2 PFDA	98		50-150
STL00997	13C2 PFUnA	87		50-150
STL00998	13C2 PFDoA	83		50-150
STL01056	13C8 FOSA	87		50-150
STL01893	13C5 PFPeA	82		50-150
STL02116	13C2 PFTeDA	85		50-150
STL02118	d3-NMeFOSAA	86		50-150
STL02117	d5-NEtFOSAA	89		50-150
STL02279	M2-6:2 FTS	86		50-150
STL02280	M2-8:2 FTS	90		50-150
STL02337	13C3 PFBS	81		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A09.d
 Lims ID: 460-269761-A-1-E MS
 Client ID:
 Sample Type: MS
 Inject. Date: 30-Nov-2022 10:22:01 ALS Bottle#: 6 Worklist Smp#: 9
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 460-269761-A-1-E MS
 Misc. Info.: 200-0053485-009 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 01-Dec-2022 08:24:50 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: CTX1681

First Level Reviewer: khanphomeea

Date: 01-Dec-2022 10:36:34

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	0.613	1867552	0.8927		71.4	8009	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.094	2.076	0.018	1.000	1501841	0.9748		97.5	137	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.389	2.387	0.002	0.699	1628396	1.02		81.8	2867	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.389	2.387	0.002	1.000	1392992	0.9812		98.1	30.0	M
D 47 13C3 PFBS										
301.90 > 80.00	2.402	2.400	0.002	0.703	1627748	0.9404		80.9	271148	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.402	2.400	0.002	1.000	1355695	0.8463	Target=2.09	95.7	1061	
298.90 > 99.00	2.402	2.400	0.002	1.000	653647		2.07(1.04-3.13)		222	
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.692	2.689	0.003	1.000	369761	0.9069		97.1	875	
D 60 M2-4:2 FTS										
329.00 > 81.00	2.692	2.689	0.003	0.788	154503	1.01		86.5	128	
D 7 13C2 PFHxA										
315.00 > 270.00	2.716	2.725	-0.009	0.795	1850147	1.11		88.7	3689	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.716	2.725	-0.009	1.000	1487029	0.9220	Target=14.25	92.2	219	
313.00 > 119.00	2.716	2.725	-0.009	1.000	108497		13.71(7.12-21.37)		186	M
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.728	2.737	-0.009	0.889	1277556	0.8971	Target=3.04	95.6	1924	
349.00 > 99.00	2.728	2.737	-0.009	0.889	428659		2.98(1.52-4.56)		712	
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.826	2.835	-0.009	1.000	268738	0.9834		98.3	1270	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	2.826	2.835	-0.009	0.827	323493	1.10		87.8	2878	
D 11 18O2 PFHxS										
403.00 > 84.00	3.068	3.088	-0.020	0.898	1260982	1.00		84.6	3032	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.068	3.088	-0.020	1.000	1097925	0.9122	Target=3.66	100	1275	M
399.00 > 99.00	3.068	3.088	-0.020	1.000	317783		3.45(1.83-5.49)		320	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.068	3.099	-0.031	0.898	1929044	1.12		89.9	5136	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.079	3.099	-0.020	1.004	1539241	0.9161	Target=3.97	91.6	209	M
363.00 > 169.00	3.068	3.099	-0.031	1.000	397505		3.87(1.98-5.95)		539	M
77 DONA										
377.00 > 251.00	3.113	3.132	-0.019	0.835	3850140	0.9394	Target=3.16	99.7	3217	
377.00 > 85.00	3.113	3.132	-0.019	0.835	1211899		3.18(1.58-4.73)		1358	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.407	3.439	-0.032	0.997	215621	1.02		85.9	332	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.407	3.439	-0.032	1.000	385631	0.99		105	368	M
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.407	3.439	-0.032	0.913	946329	0.9104	Target=5.14	95.6	1266	M
449.00 > 99.00	3.398	3.439	-0.041	0.911	185578		5.10(2.57-7.72)		468	M
D 14 13C4 PFOA										
417.00 > 372.00	3.415	3.448	-0.033	1.000	2171552	1.12		90.0	6696	
* 62 13C2 PFOA										
415.00 > 370.00	3.415	3.448	-0.033		2331192	1.25			6680	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.415	3.448	-0.033	1.000	1696223	0.9133	Target=2.79	91.3	100	M
413.00 > 169.00	3.415	3.448	-0.033	1.000	617387		2.75(1.40-4.19)		600	M
D 18 13C4 PFOS										
503.00 > 80.00	3.729	3.764	-0.035	1.092	889372	1.04		87.0	2175	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.729	3.764	-0.035	1.000	800096	0.8840	Target=5.11	95.3	477	M
499.00 > 99.00	3.729	3.764	-0.035	1.000	171100		4.68(2.55-7.66)		295	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.748	3.783	-0.035	1.000	1712500	1.00	Target=8.55	100	279	
463.00 > 169.00	3.748	3.783	-0.035	1.000	190851		8.97(4.28-12.83)		2032	
D 19 13C5 PFNA										
468.00 > 423.00	3.748	3.783	-0.035	1.098	2056193	1.10		87.7	3943	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.884	3.928	-0.044	1.041	1870396	0.9004		96.6	2848	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.017	4.050	-0.033	1.077	611141	0.8946	Target=2.53	93.2	3086	
549.00 > 99.00	4.017	4.050	-0.033	1.077	245742		2.49(1.27-3.80)		1501	
D 23 13C2 PFDA										
515.00 > 470.00	4.044	4.081	-0.037	1.184	2353153	1.23		98.5	12795	

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	4.044	4.081	-0.037	1.000	1892490	0.9270	Target=10.26	92.7	588	
513.00 > 169.00	4.044	4.081	-0.037	1.000	182763		10.35(5.13-15.38)		378	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.053	4.093	-0.040	1.187	280103	1.08		90.4	784	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.053	4.093	-0.040	1.000	335833	0.8879		92.7	1489	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.119	4.150	-0.031	1.003	1399698	0.9785		97.8	1411	
D 21 13C8 FOSA										
506.00 > 78.00	4.107	4.150	-0.043	1.203	1711573	1.09		87.4	3305	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.187	4.228	-0.041	1.226	418635	1.08		86.1	732	
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.187	4.228	-0.041	1.000	287014	0.9846		98.5	463	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.277	4.331	-0.054	1.147	472626	0.8762	Target=2.51	90.9	1544	
599.00 > 99.00	4.277	4.331	-0.054	1.147	179680		2.63(1.25-3.76)		895	
D 30 13C2 PFUnA										
565.00 > 520.00	4.312	4.353	-0.041	1.263	1899131	1.09		86.8	3617	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.312	4.353	-0.041	1.000	1520393	0.99	Target=9.88	99.3	492	M
563.00 > 169.00	4.312	4.353	-0.041	1.000	144036		10.56(4.94-14.82)		752	M
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.323	4.365	-0.042	1.000	281725	0.9257		92.6	948	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.323	4.365	-0.042	1.266	424934	1.11		88.7	1181	
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.414	4.454	-0.040	1.184	2689434	0.8399		89.2	3188	M
37 Perfluorododecanoic acid										
613.00 > 569.00	4.546	4.591	-0.045	1.000	1518172	0.9688	Target=7.77	96.9	273	M
613.00 > 169.00	4.546	4.591	-0.045	1.000	193654		7.84(3.89-11.66)		870	M
D 36 13C2 PFDaA										
615.00 > 570.00	4.546	4.591	-0.045	1.331	1848930	1.04		82.9	3598	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.571	4.612	-0.041	1.128	196549	0.8648		89.7	824	M
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.723	4.776	-0.053	1.266	199056	0.8722	Target=0.50	90.1	1478	
699.00 > 99.00	4.723	4.776	-0.053	1.266	380046		0.52(0.25-0.76)		1918	M
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.760	4.804	-0.044	1.047	1463766	0.9767	Target=5.21	97.7	136	M
663.00 > 169.00	4.760	4.804	-0.044	1.047	263318		5.56(2.60-7.81)		872	M
42 Perfluorotetradecanoic acid										
713.00 > 169.00	4.953	5.012	-0.059	1.000	170997	0.9484	Target=0.89	94.8	954	
713.00 > 219.00	4.953	5.012	-0.059	1.000	190252		0.90(0.44-1.33)		871	M
D 43 13C2 PFTeDA										
715.00 > 670.00	4.953	5.012	-0.059	1.450	1646176	1.07		85.4	3507	

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	5.312	5.367	-0.055	1.000	1105844	0.9495	Target=5.65	94.9	109	M
813.00 > 169.00	5.312	5.367	-0.055	1.000	188473		5.87(2.82-8.47)		1149	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.312	5.367	-0.055	1.555	1555337	0.8157		65.3	3320	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.651	5.722	-0.071	1.064	644790	0.6292	Target=6.24	62.9	109	M
913.00 > 169.00	5.651	5.722	-0.071	1.064	98986		6.51(3.12-9.36)		585	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A09.d

Injection Date: 30-Nov-2022 10:22:01

Instrument ID: LC812

Lims ID: 460-269761-A-1-E MS

Client ID:

Operator ID: lc812tech

ALS Bottle#: 6

Worklist Smp#: 9

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

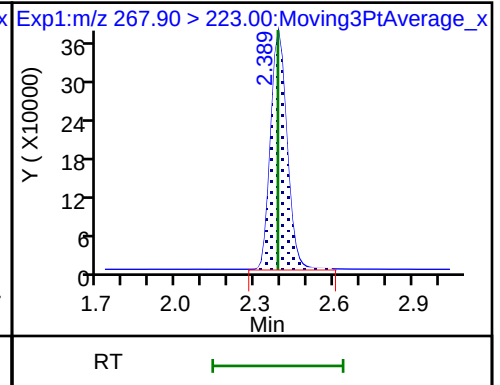
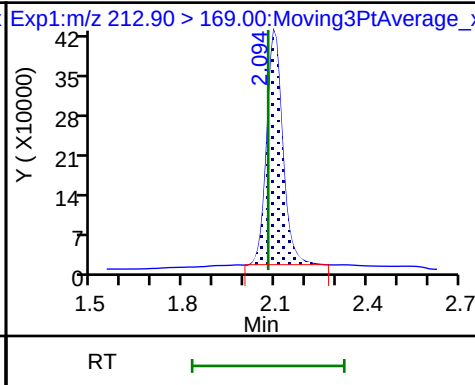
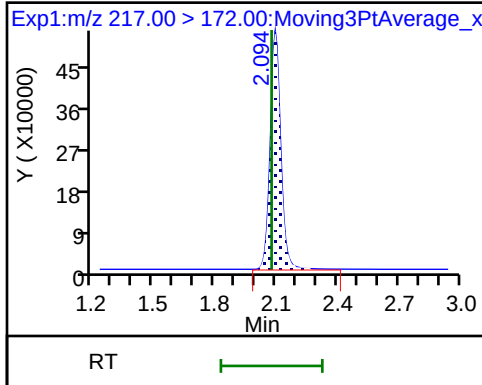
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

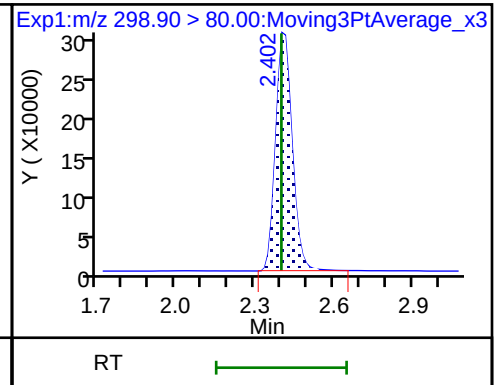
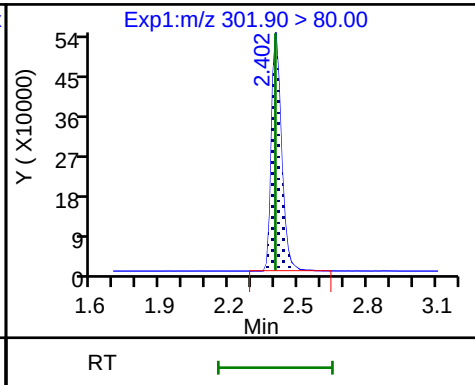
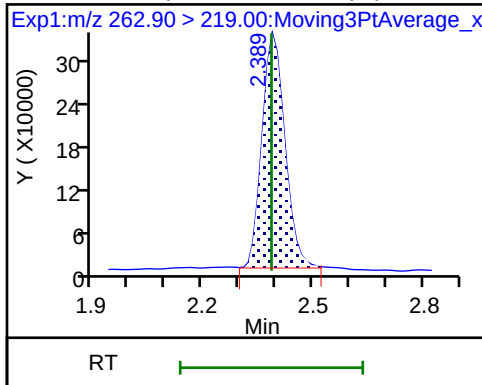
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

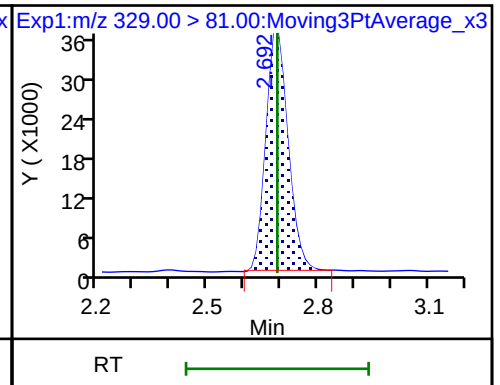
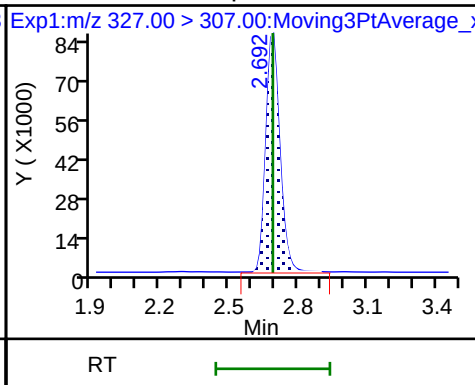
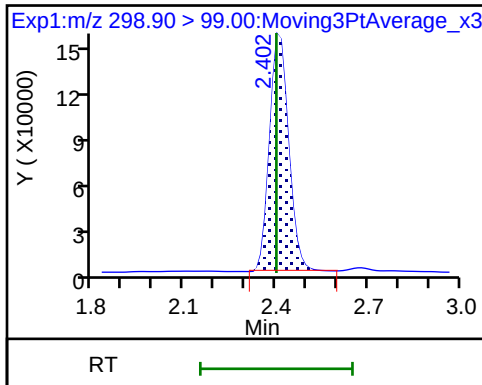
D 47 13C3 PFBS

5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid

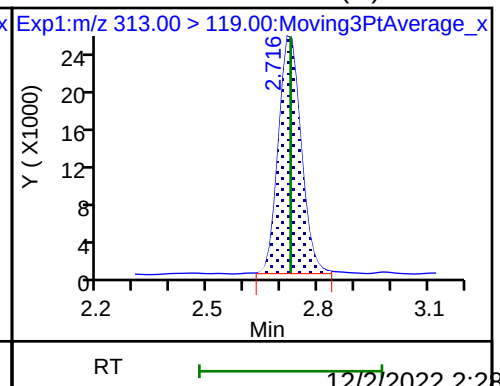
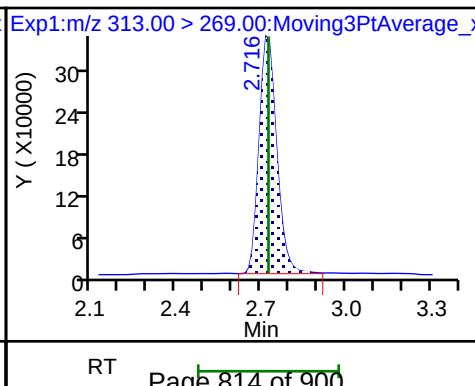
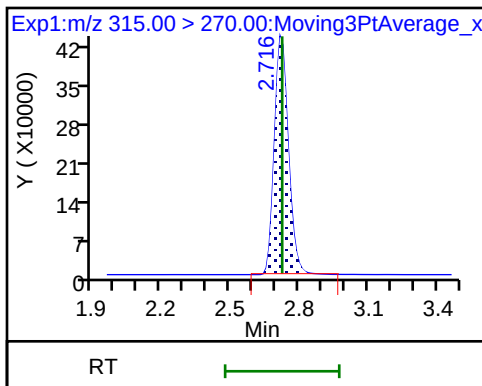
61 1H,1H,2H,2H-perfluorohexanesulfo D 60 M2-4:2 FTS

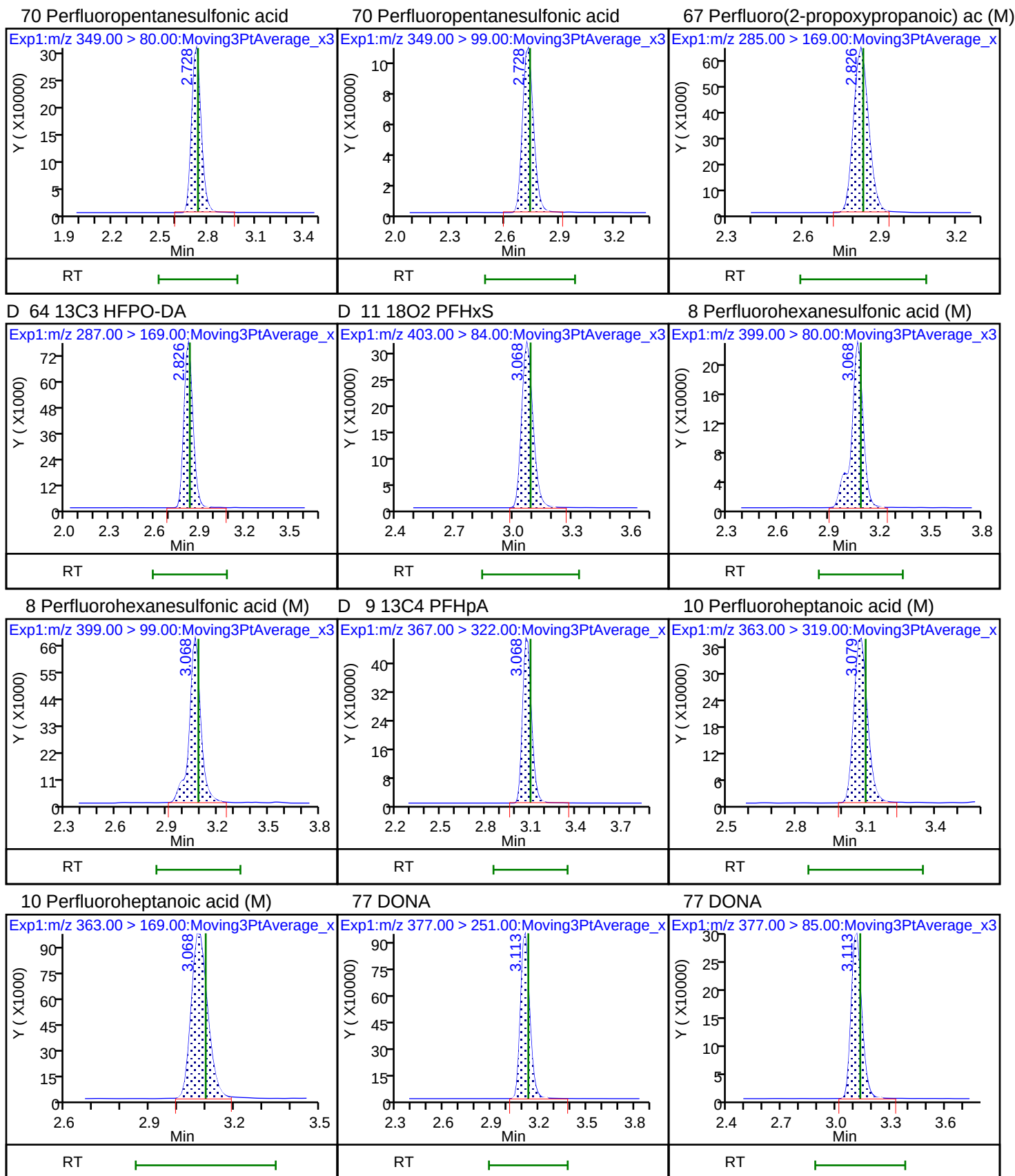


D 7 13C2 PFHxA

6 Perfluorohexanoic acid

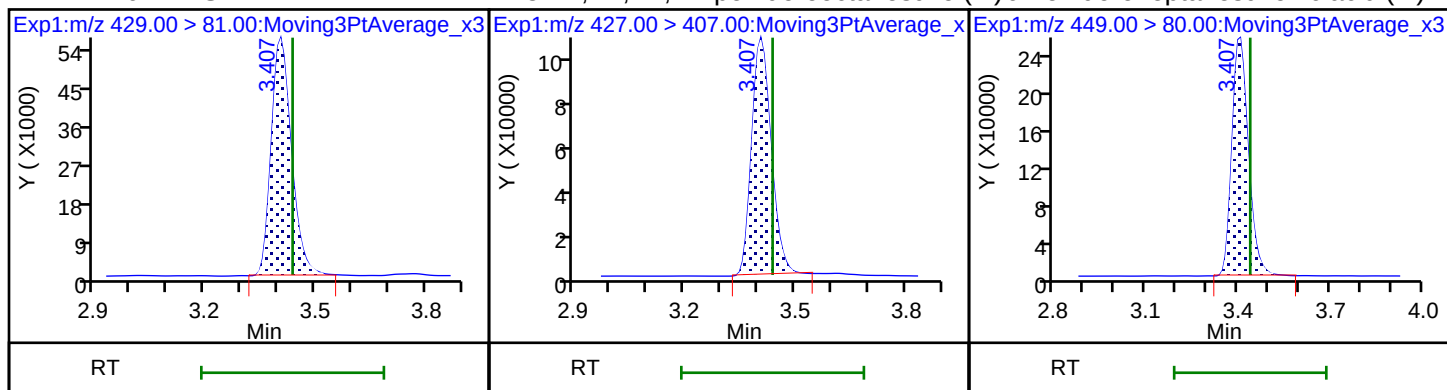
6 Perfluorohexanoic acid (M)





D 12 M2-6:2 FTS

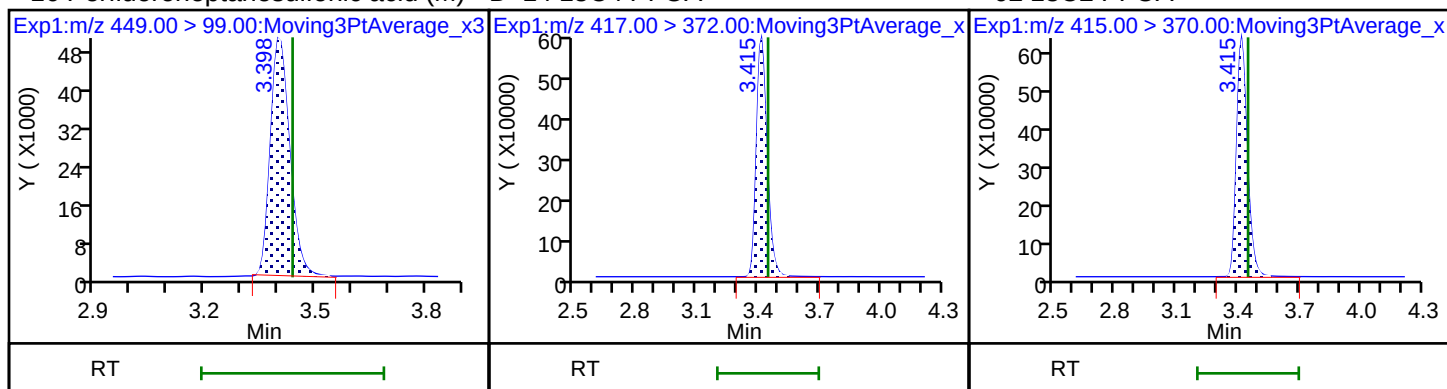
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

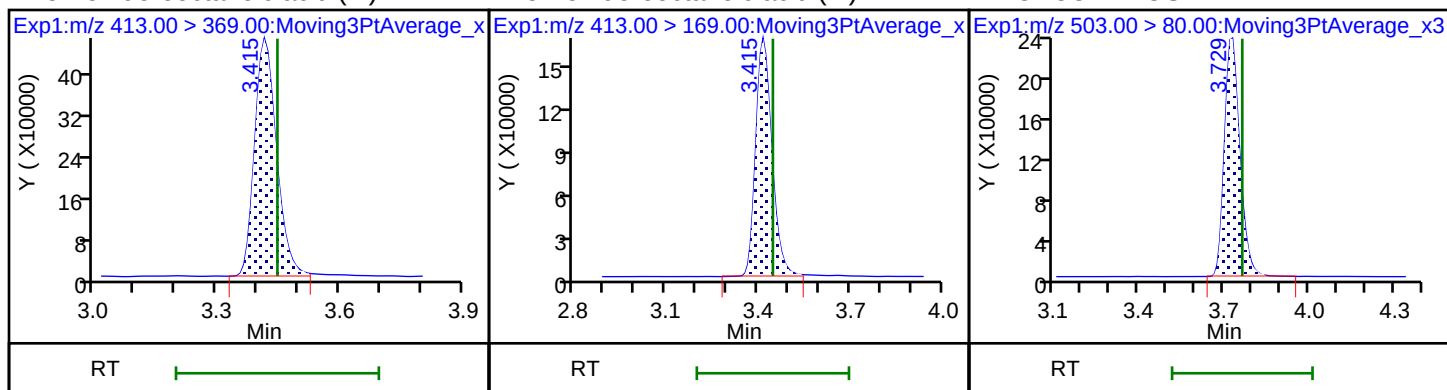
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

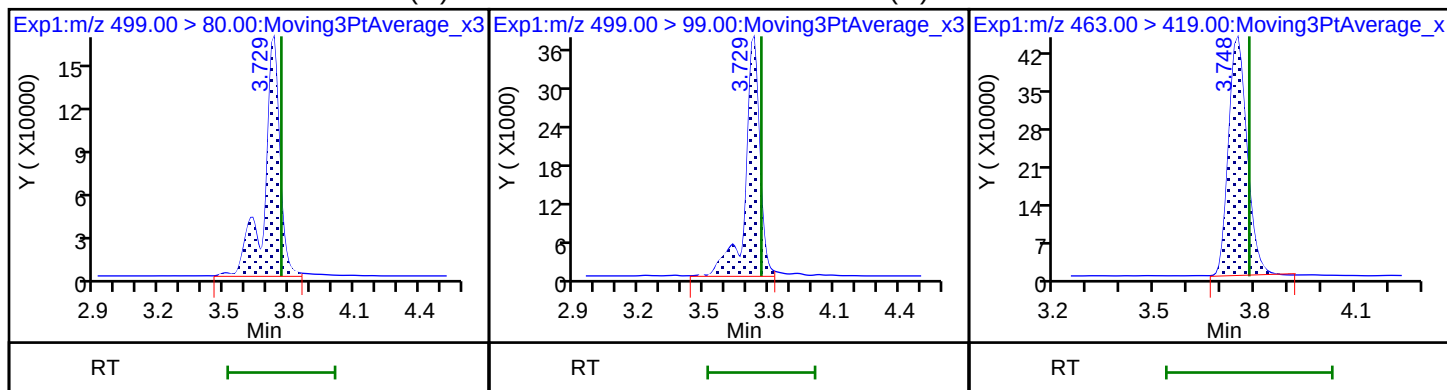
D 18 13C4 PFOS

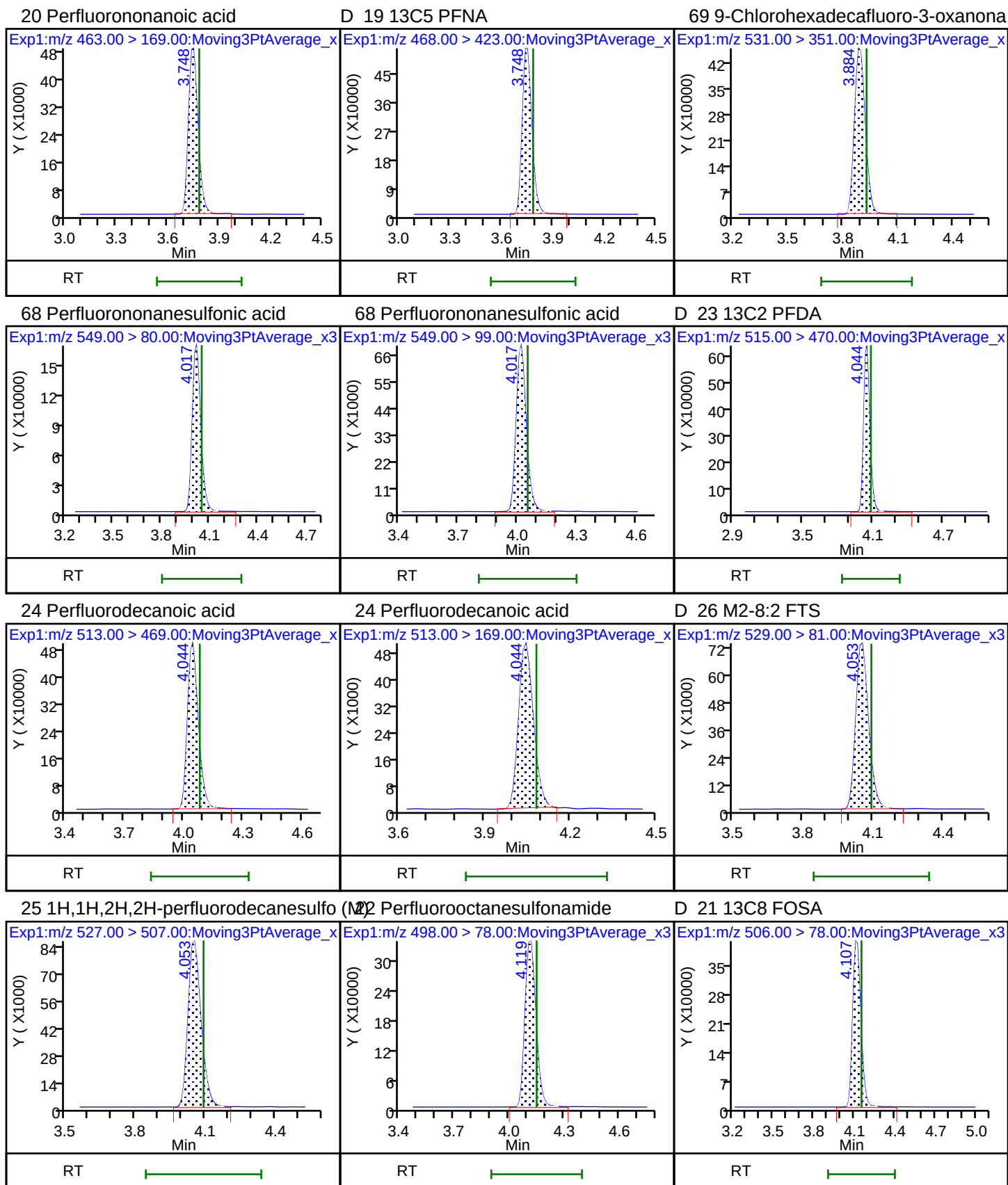


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid

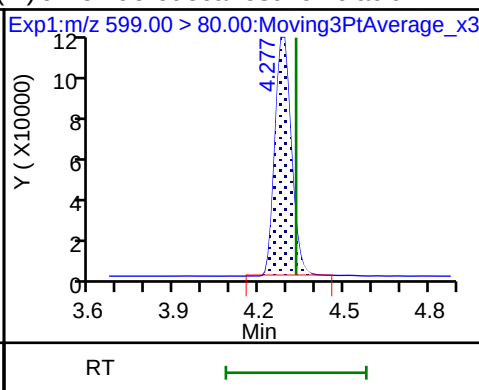
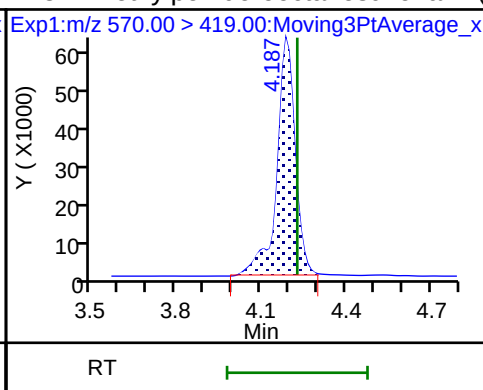
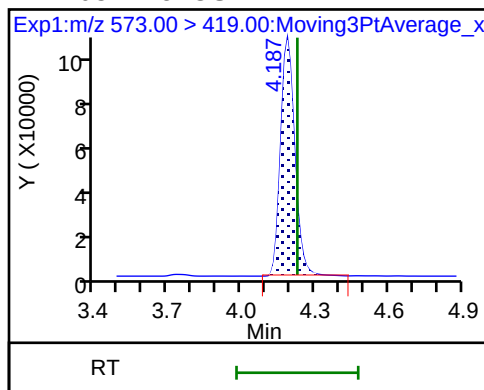




D 27 d3-NMeFOSAA

28 N-methylperfluorooctanesulfonami (M)

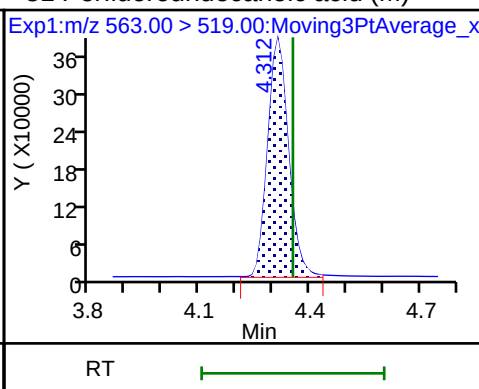
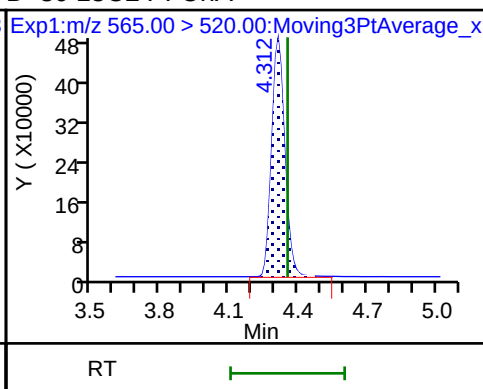
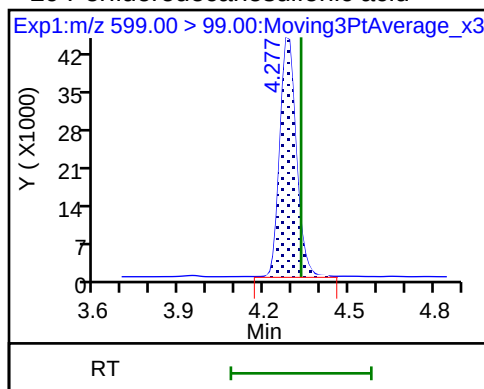
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid

D 30 13C2 PFUnA

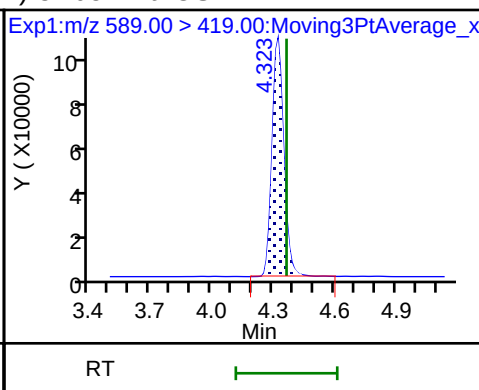
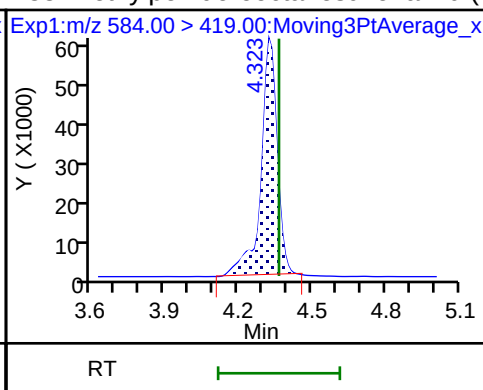
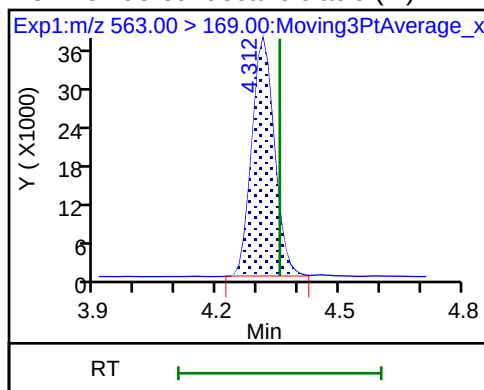
31 Perfluoroundecanoic acid (M)



31 Perfluoroundecanoic acid (M)

33 N-ethylperfluorooctanesulfonamid (M)

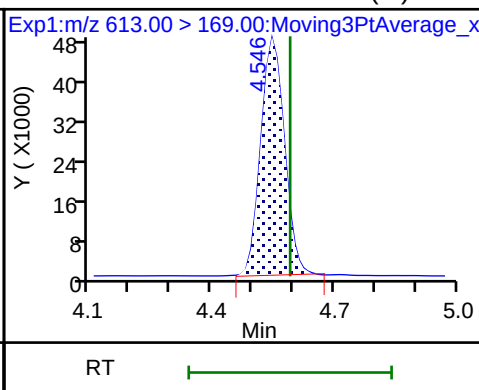
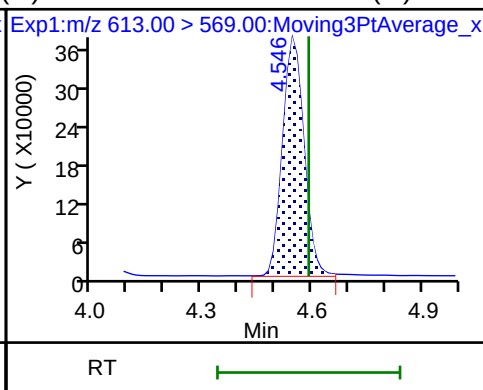
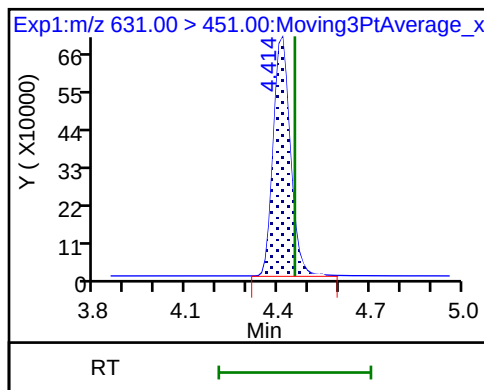
32 d5-NEtFOSAA



66 11-Chloroeicosafluoro-3-oxaundec (M)

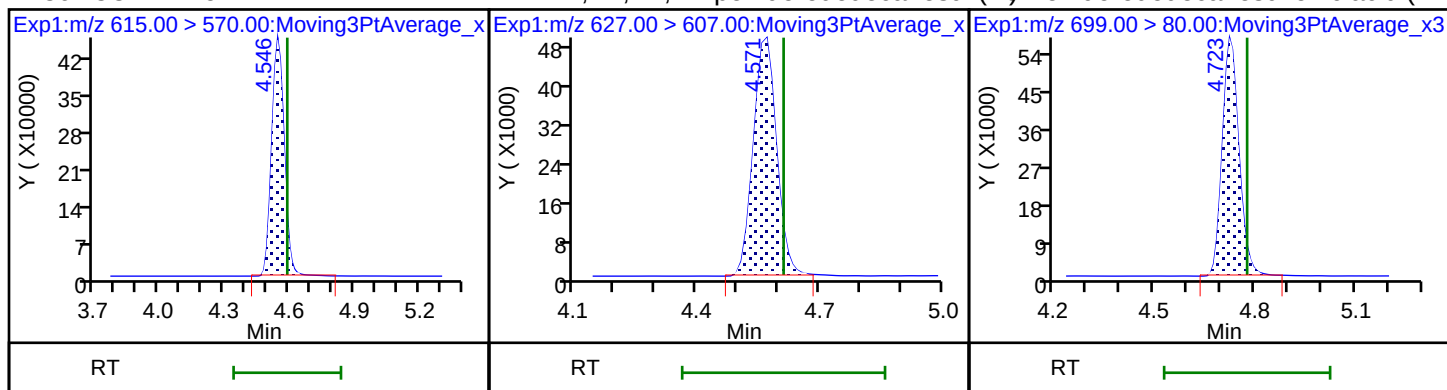
37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid (M)



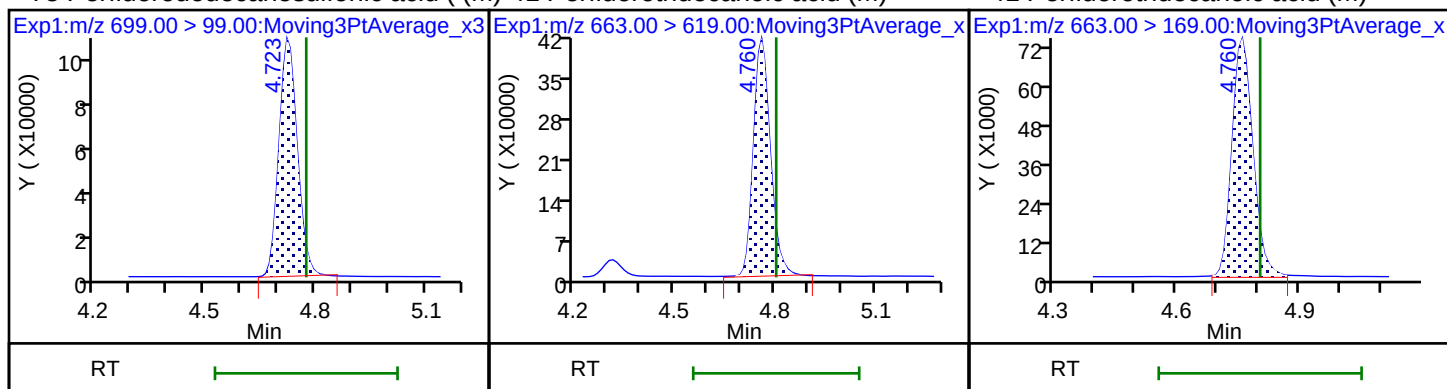
D 36 13C2 PFDaA

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



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

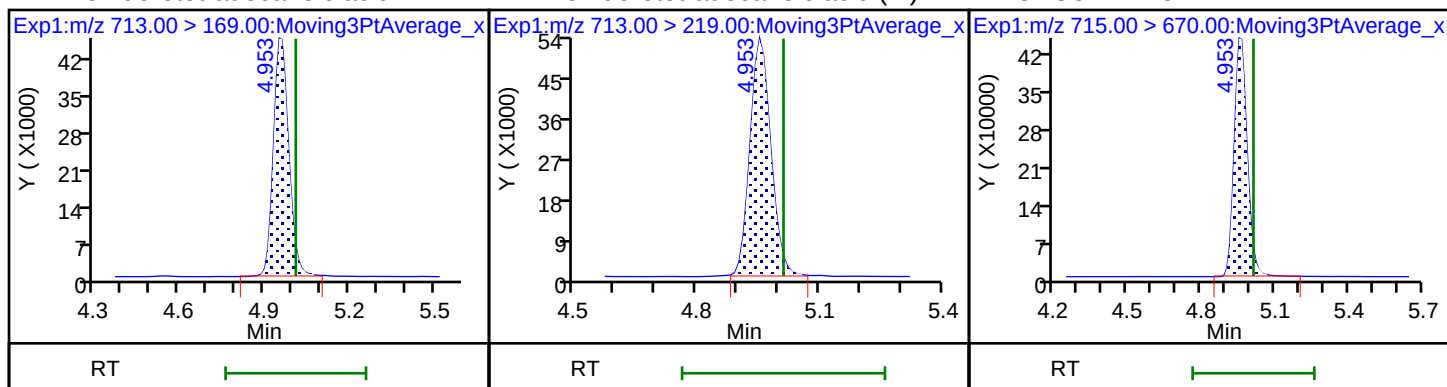
41 Perfluorotridecanoic acid (M)



42 Perfluorotetradecanoic acid

42 Perfluorotetradecanoic acid (M)

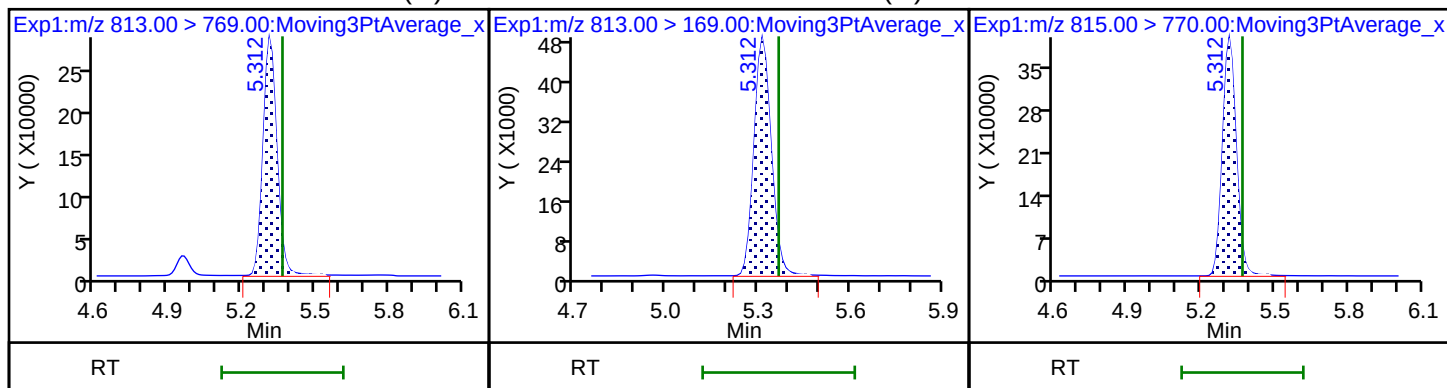
D 43 13C2 PFTeDA



45 Perfluorohexadecanoic acid (M)

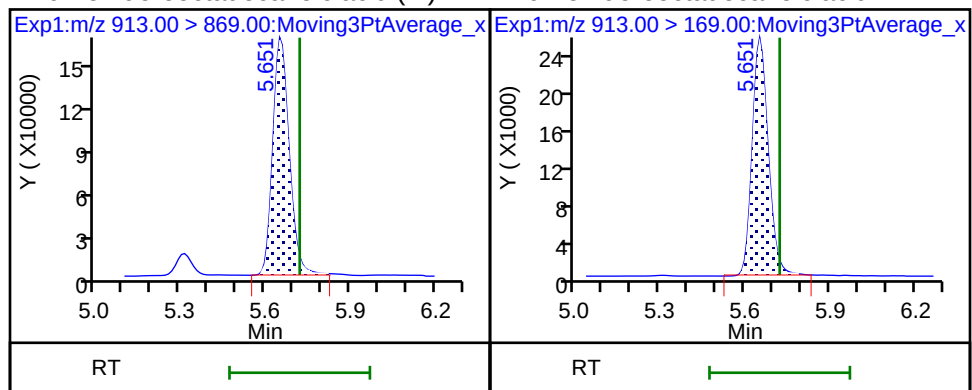
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid



Eurofins Burlington

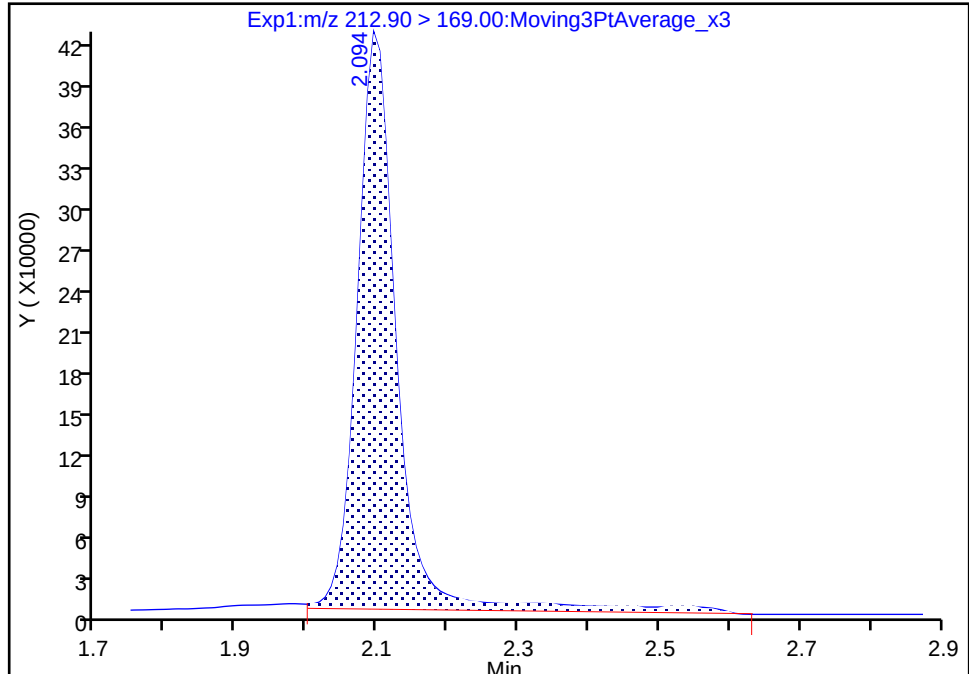
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A09.d
Injection Date: 30-Nov-2022 10:22:01 Instrument ID: LC812
Lims ID: 460-269761-A-1-E MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

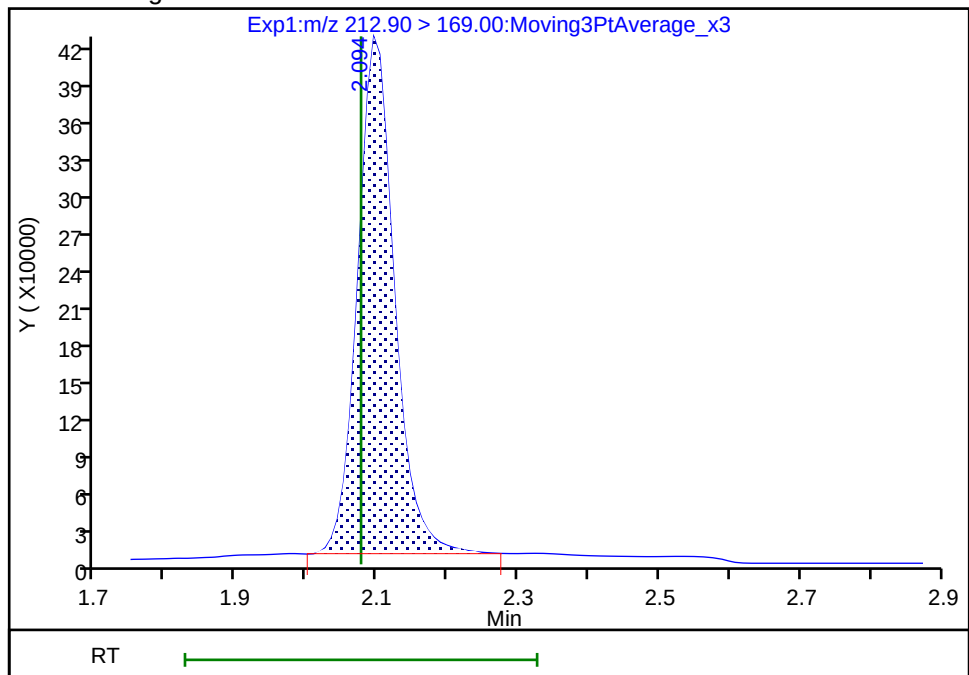
RT: 2.09
Area: 1679499
Amount: 1.090124
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 1501841
Amount: 0.974810
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:32:15

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

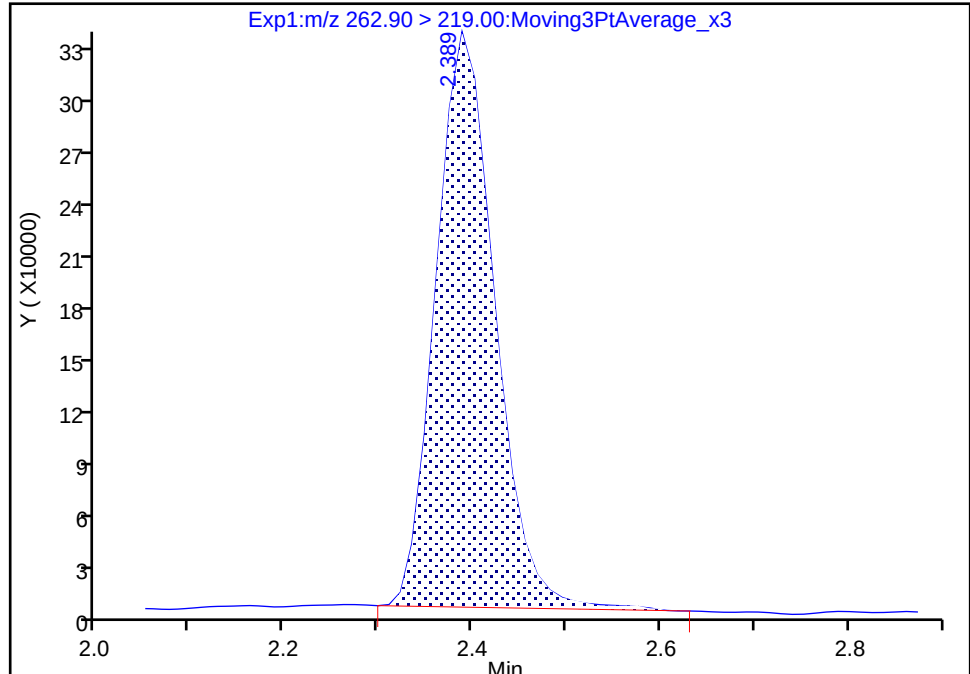
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A09.d
Injection Date: 30-Nov-2022 10:22:01 Instrument ID: LC812
Lims ID: 460-269761-A-1-E MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

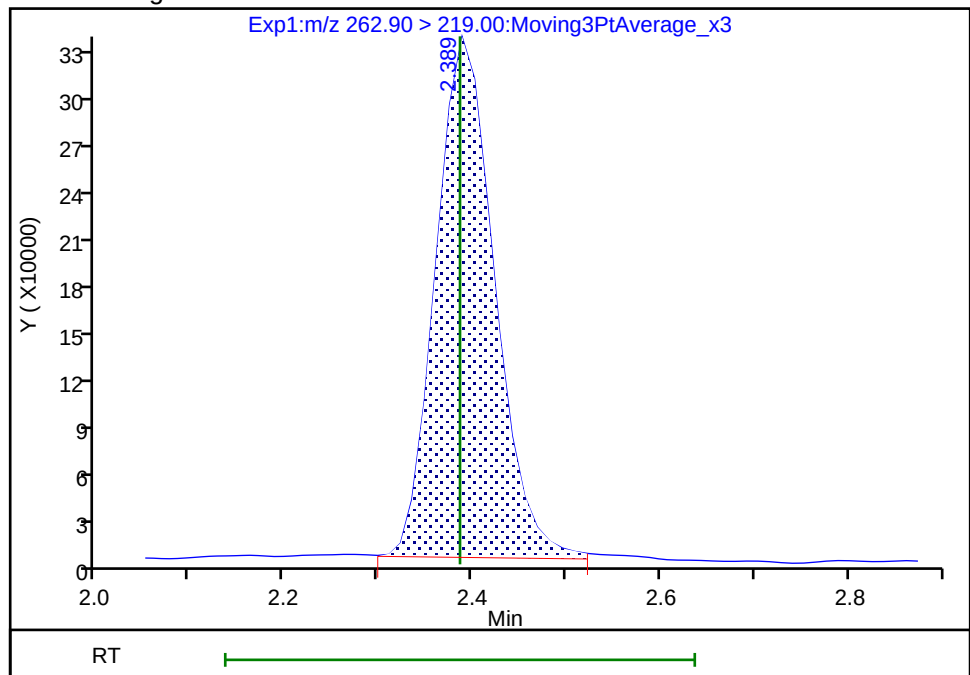
RT: 2.39
Area: 1404134
Amount: 0.989012
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 1392992
Amount: 0.981164
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:32:23

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A09.d

Injection Date: 30-Nov-2022 10:22:01

Instrument ID: LC812

Lims ID: 460-269761-A-1-E MS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

6

Worklist Smp#: 9

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

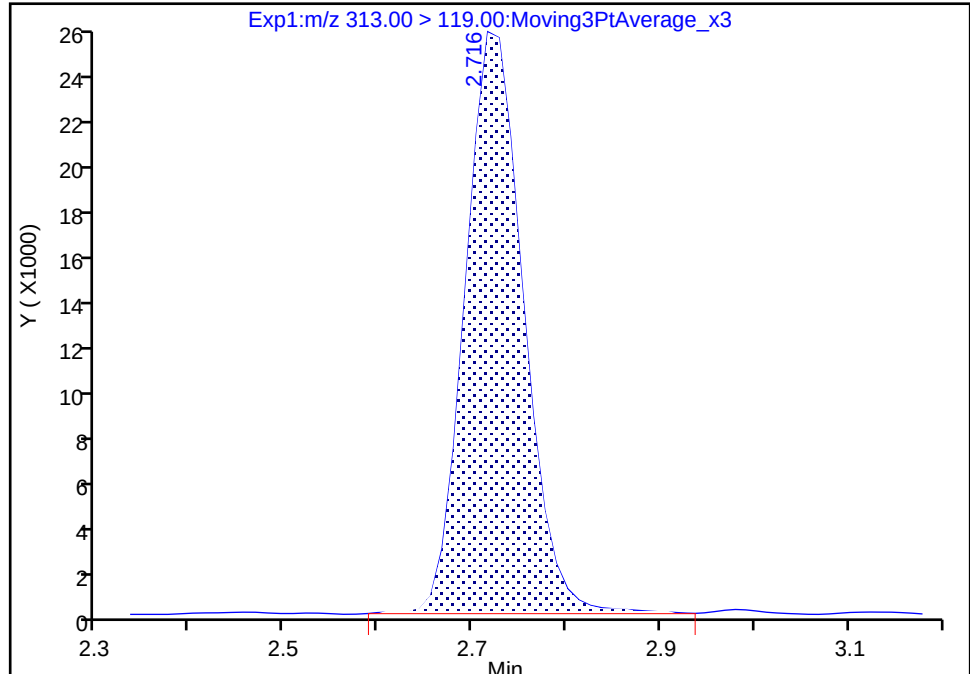
EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

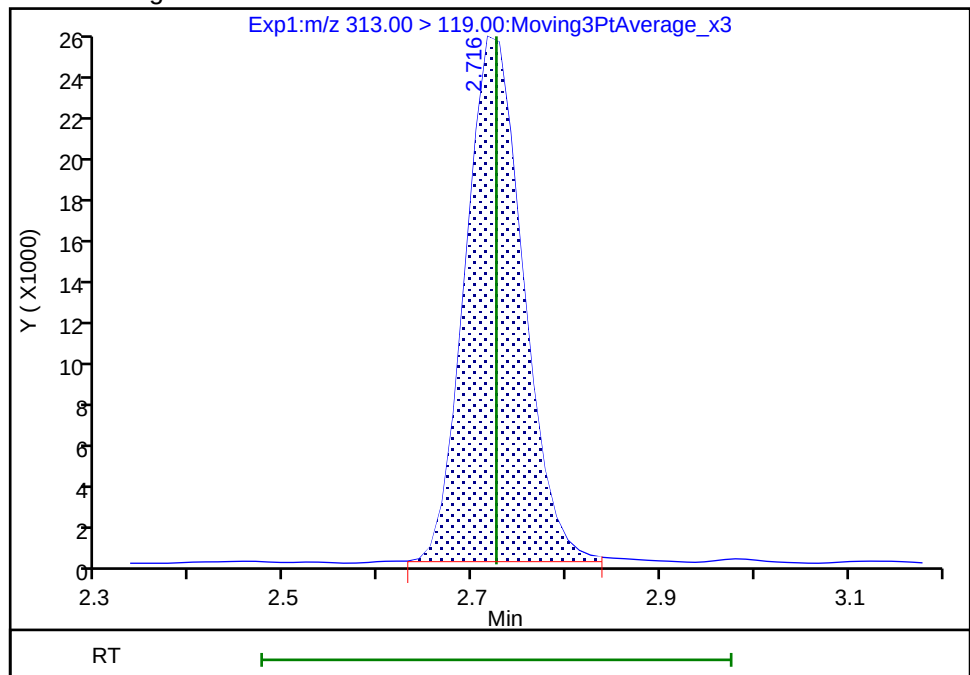
RT: 2.72
Area: 110100
Amount: 0.922045
Amount Units: ng/ml

Processing Integration Results



RT: 2.72
Area: 108497
Amount: 0.922045
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:32:42

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A09.d

Injection Date: 30-Nov-2022 10:22:01

Instrument ID: LC812

Lims ID: 460-269761-A-1-E MS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

6

Worklist Smp#: 9

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

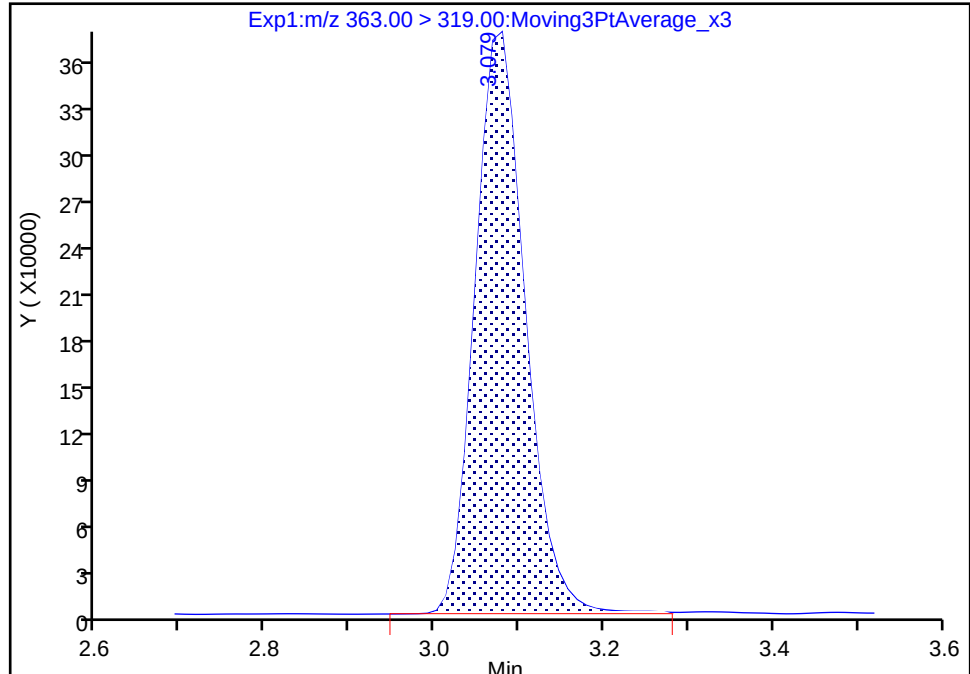
EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

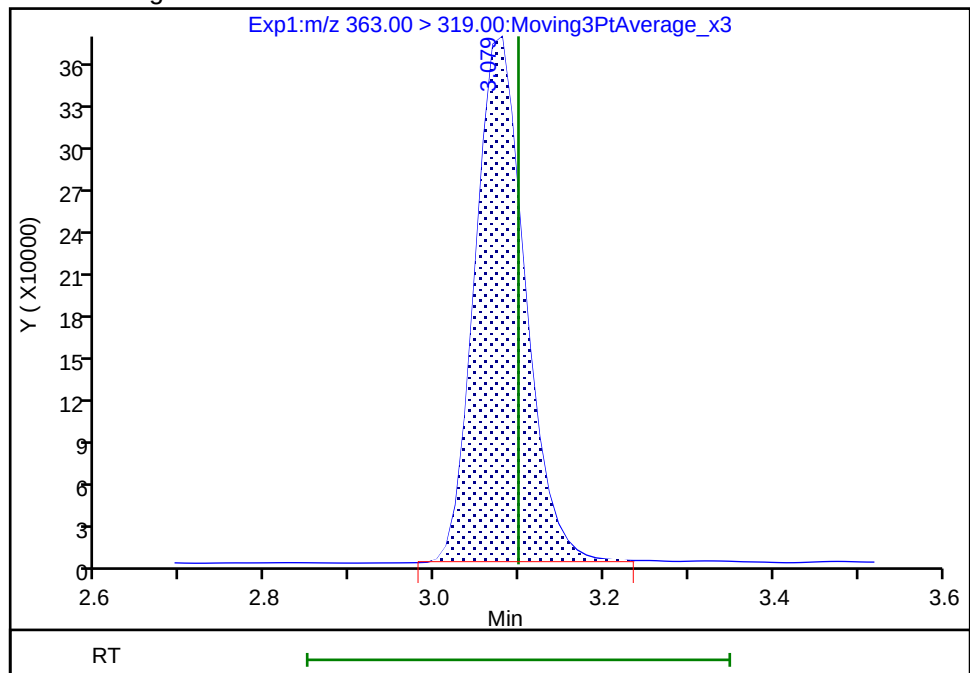
RT: 3.08
Area: 1553334
Amount: 0.924467
Amount Units: ng/ml

Processing Integration Results



RT: 3.08
Area: 1539241
Amount: 0.916080
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:33:06

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A09.d

Injection Date: 30-Nov-2022 10:22:01

Instrument ID: LC812

Lims ID: 460-269761-A-1-E MS

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

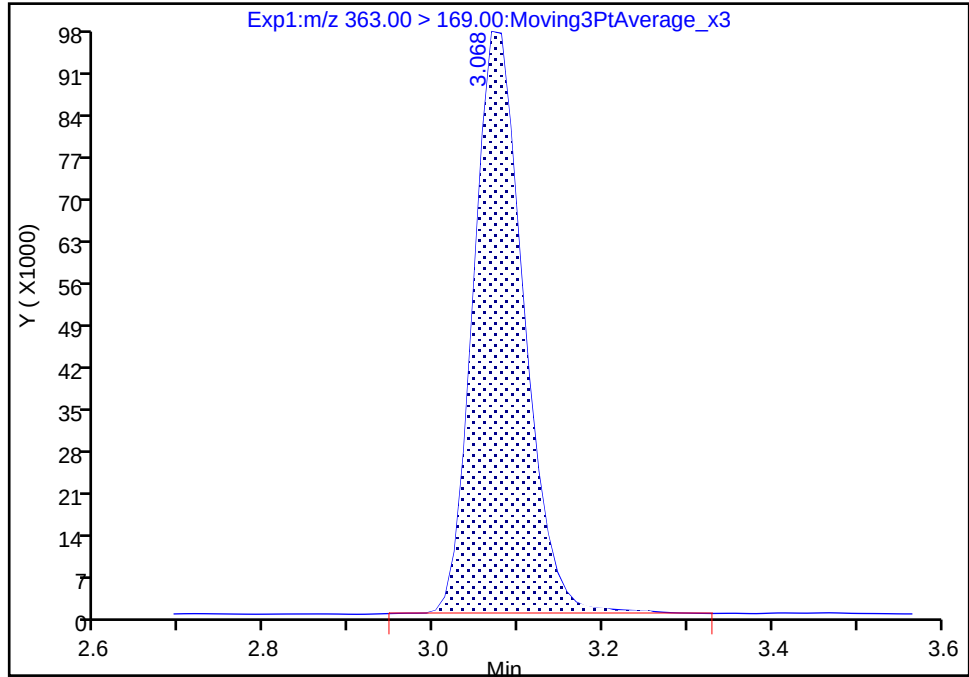
EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

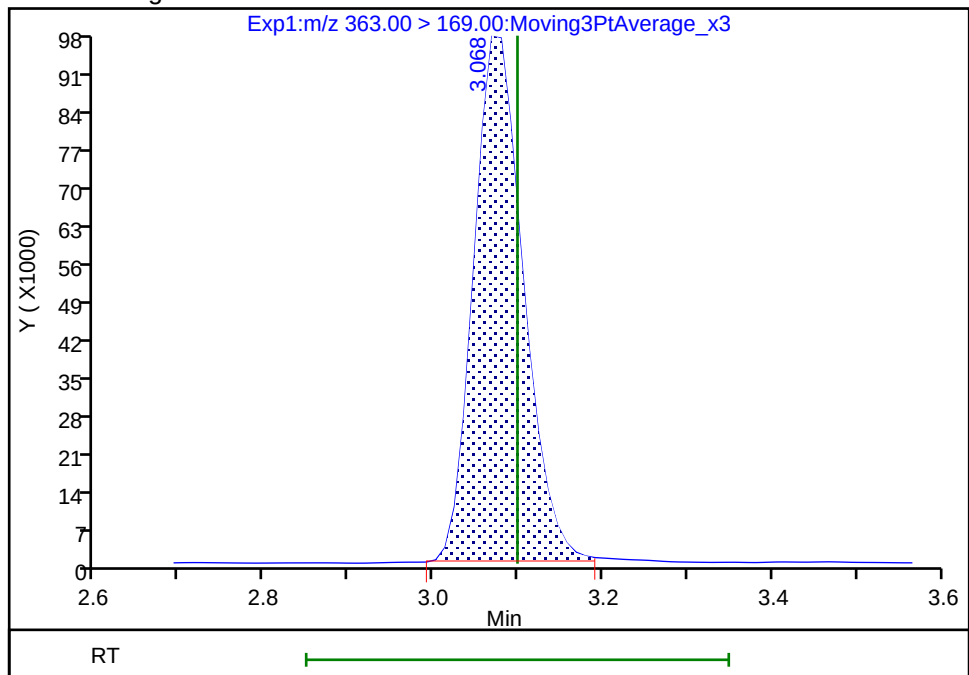
RT: 3.07
Area: 401499
Amount: 0.924467
Amount Units: ng/ml

Processing Integration Results



RT: 3.07
Area: 397505
Amount: 0.916080
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:33:15

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A09.d

Injection Date: 30-Nov-2022 10:22:01

Instrument ID: LC812

Lims ID: 460-269761-A-1-E MS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

6

Worklist Smp#: 9

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

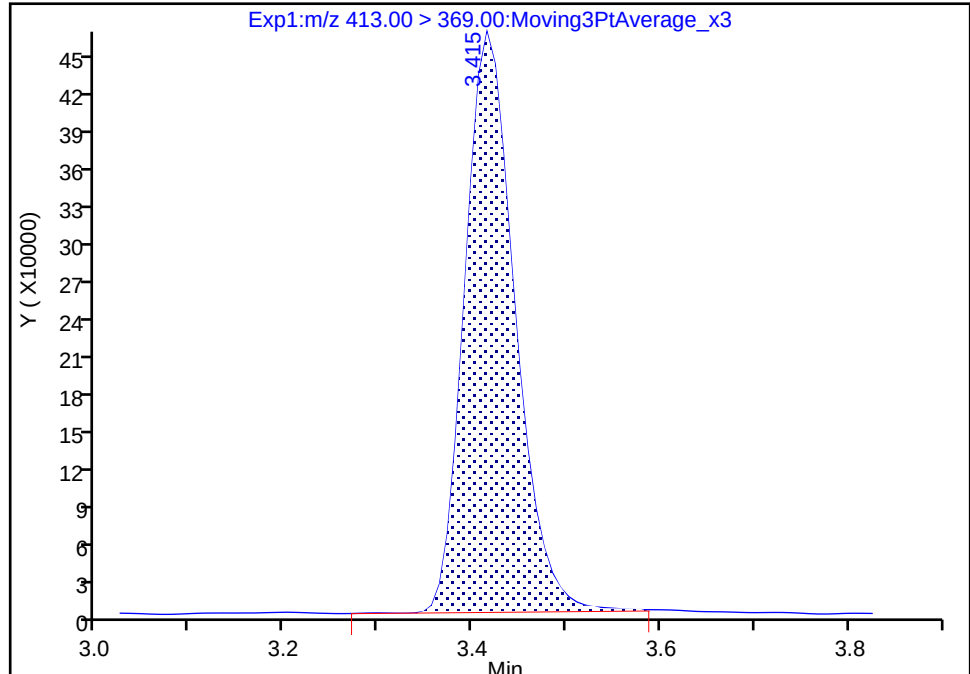
Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

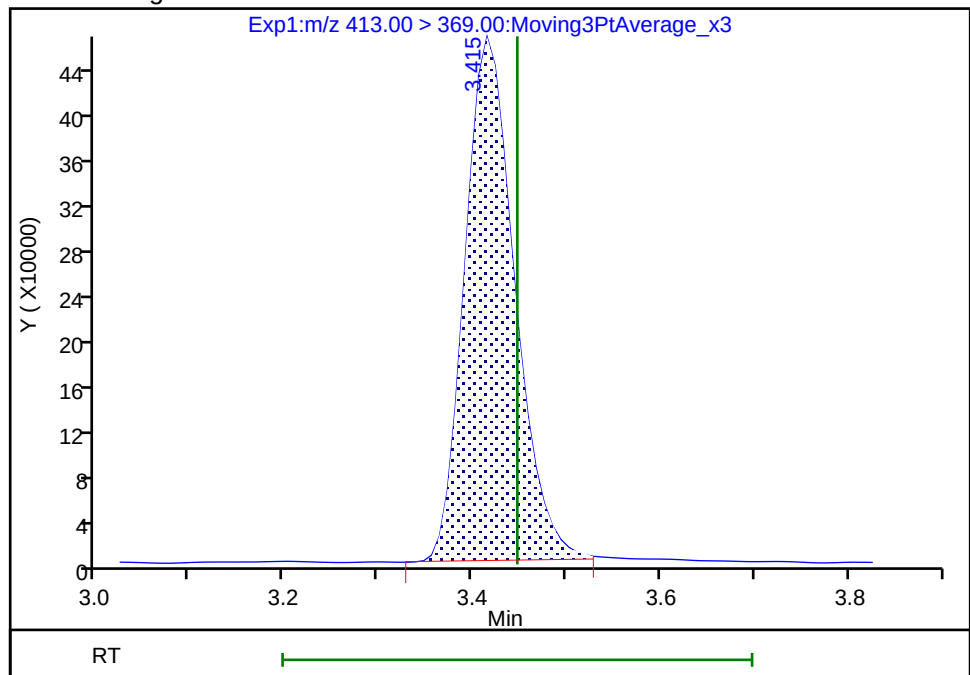
RT: 3.42
Area: 1703711
Amount: 0.917366
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 1696223
Amount: 0.913334
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:33:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

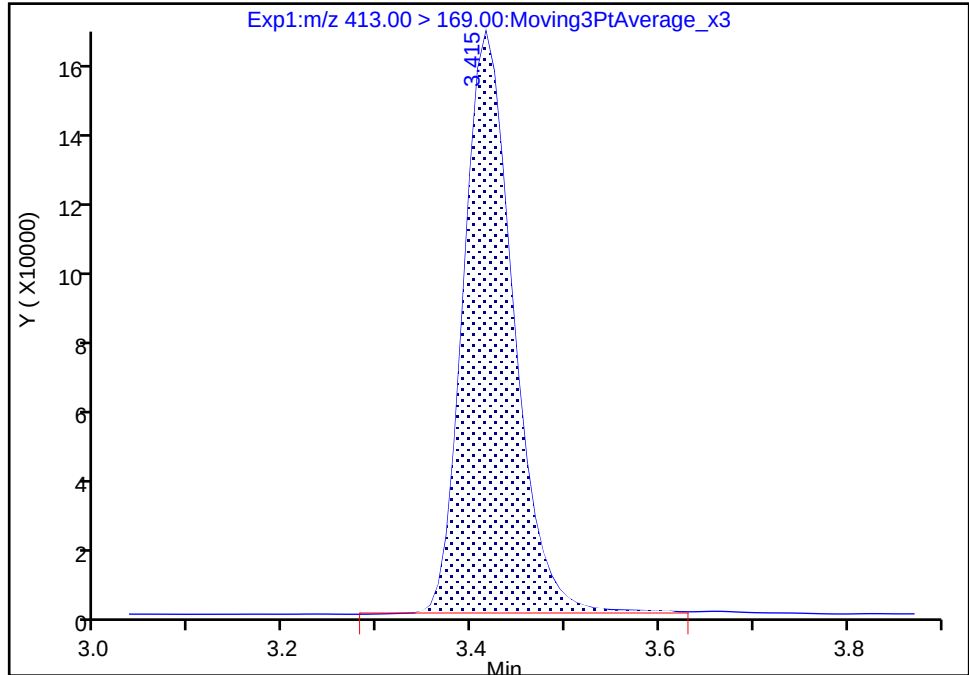
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A09.d
Injection Date: 30-Nov-2022 10:22:01 Instrument ID: LC812
Lims ID: 460-269761-A-1-E MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

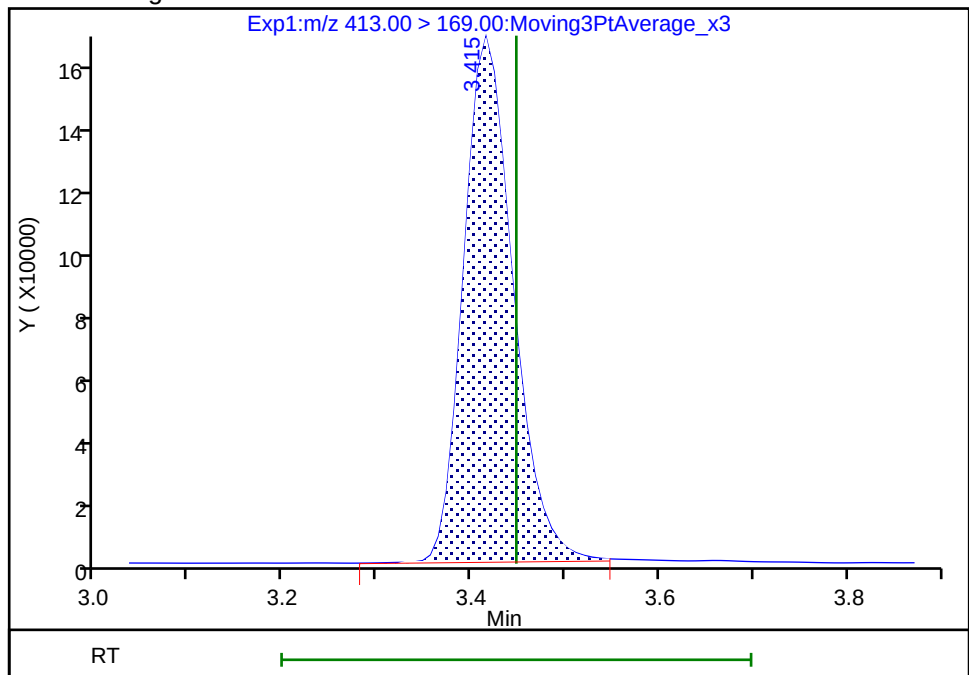
RT: 3.42
Area: 619283
Amount: 0.917366
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 617387
Amount: 0.913334
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:33:54

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A09.d

Injection Date: 30-Nov-2022 10:22:01

Instrument ID: LC812

Lims ID: 460-269761-A-1-E MS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

6

Worklist Smp#: 9

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

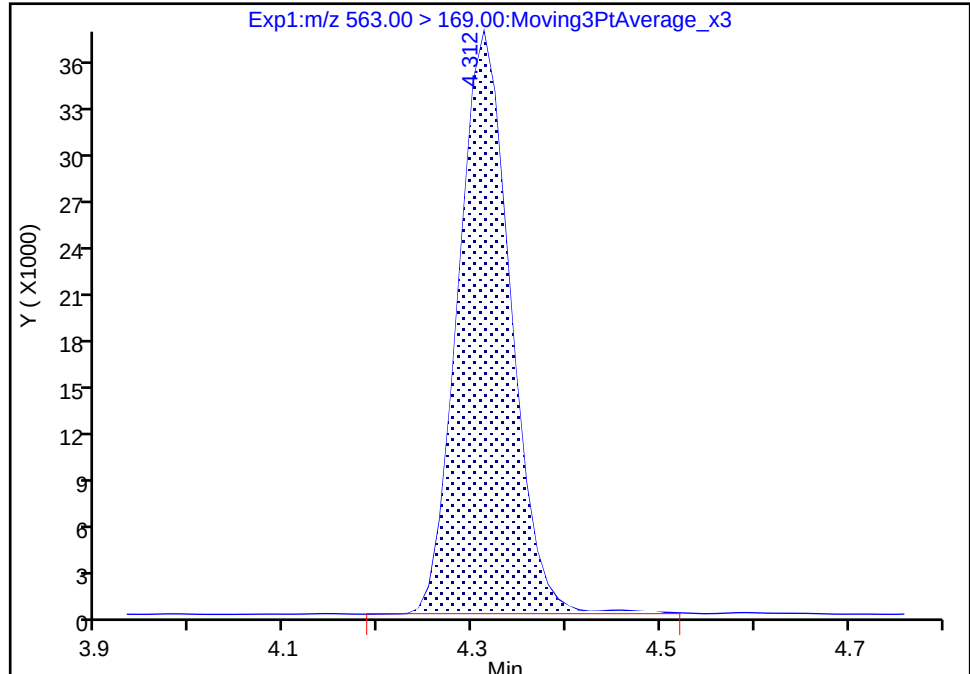
EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

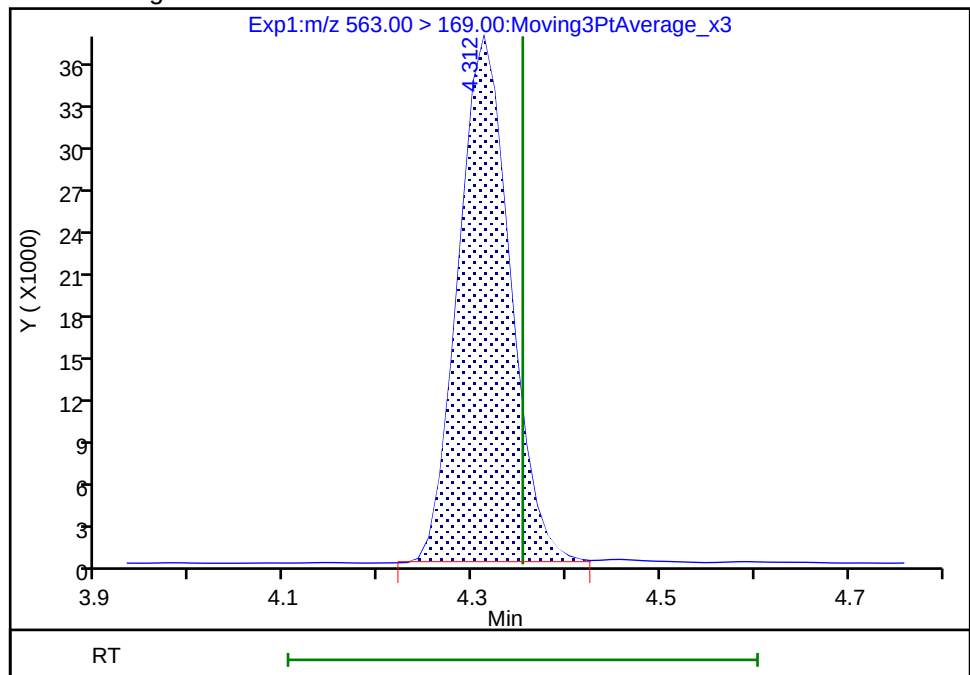
RT: 4.31
Area: 145499
Amount: 0.997839
Amount Units: ng/ml

Processing Integration Results



RT: 4.31
Area: 144036
Amount: 0.992969
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:34:45

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

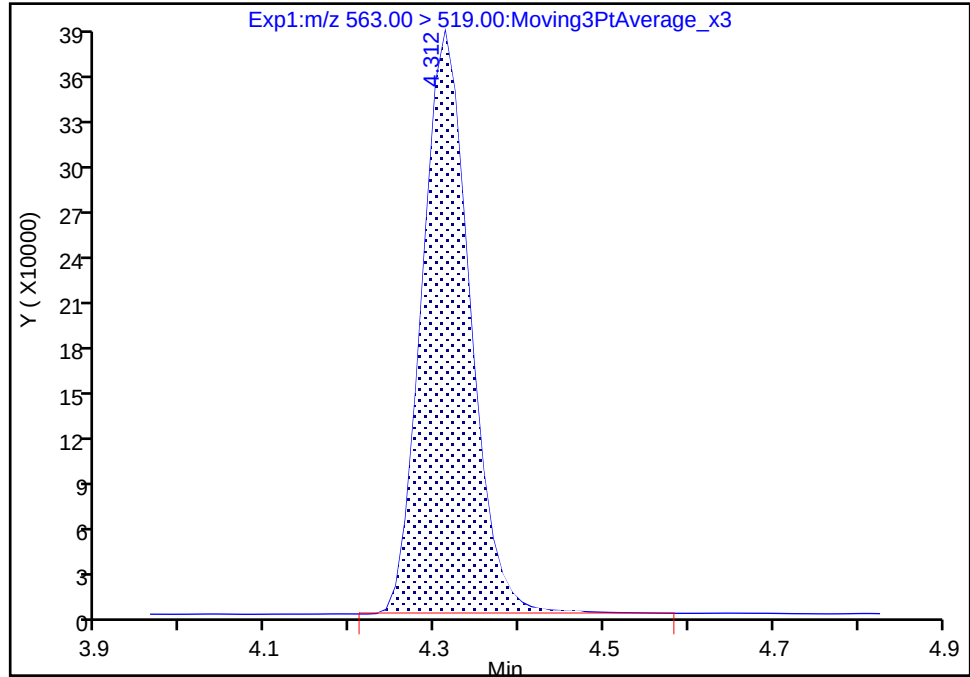
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A09.d
Injection Date: 30-Nov-2022 10:22:01 Instrument ID: LC812
Lims ID: 460-269761-A-1-E MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

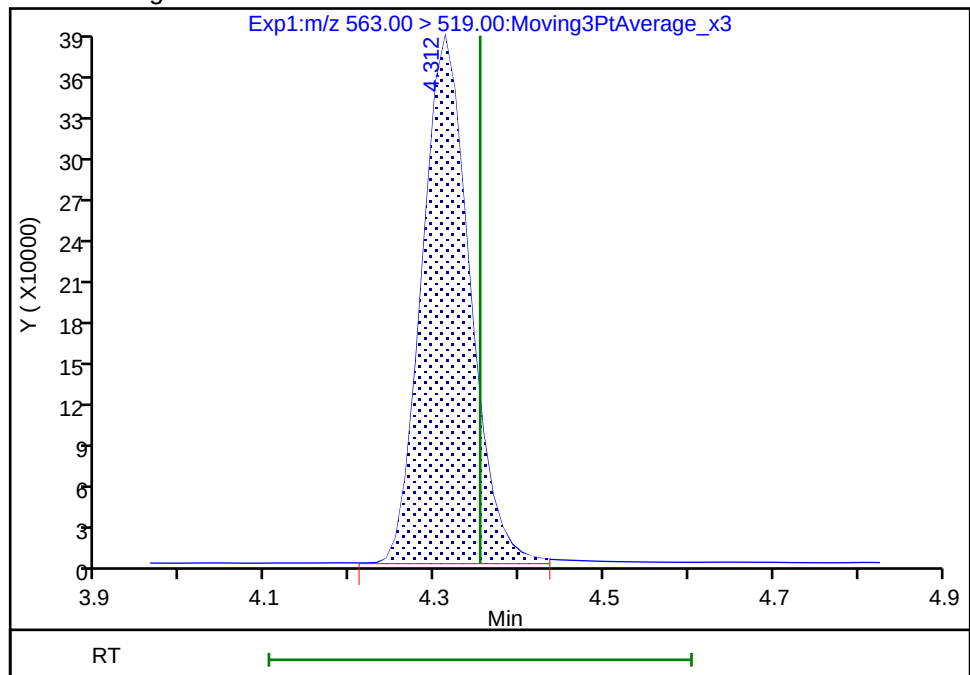
RT: 4.31
Area: 1527850
Amount: 0.997839
Amount Units: ng/ml

Processing Integration Results



RT: 4.31
Area: 1520393
Amount: 0.992969
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:34:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A09.d

Injection Date: 30-Nov-2022 10:22:01

Instrument ID: LC812

Lims ID: 460-269761-A-1-E MS

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

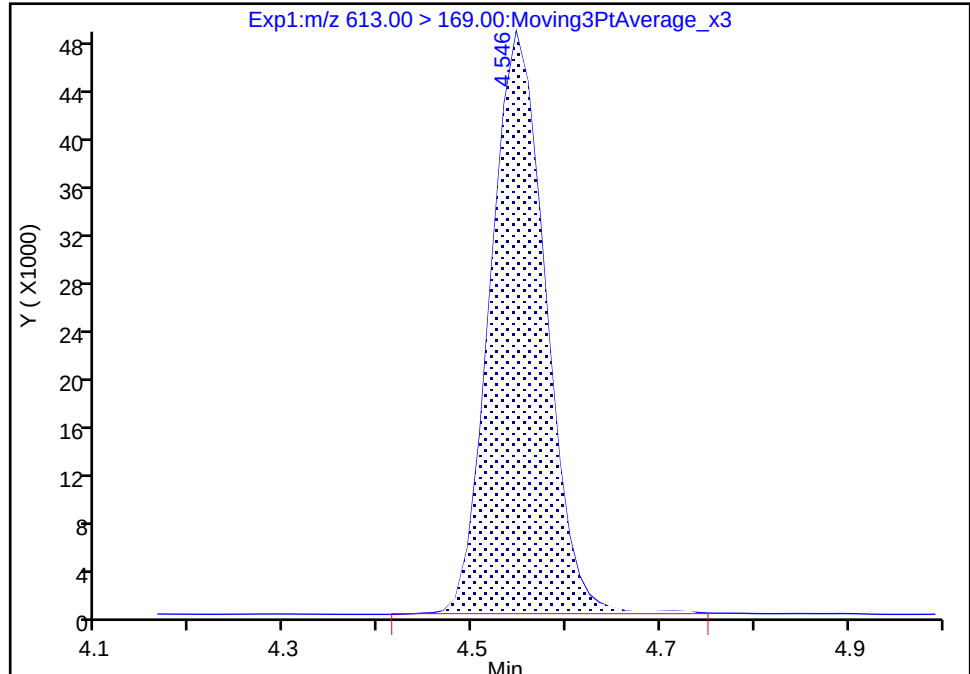
EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

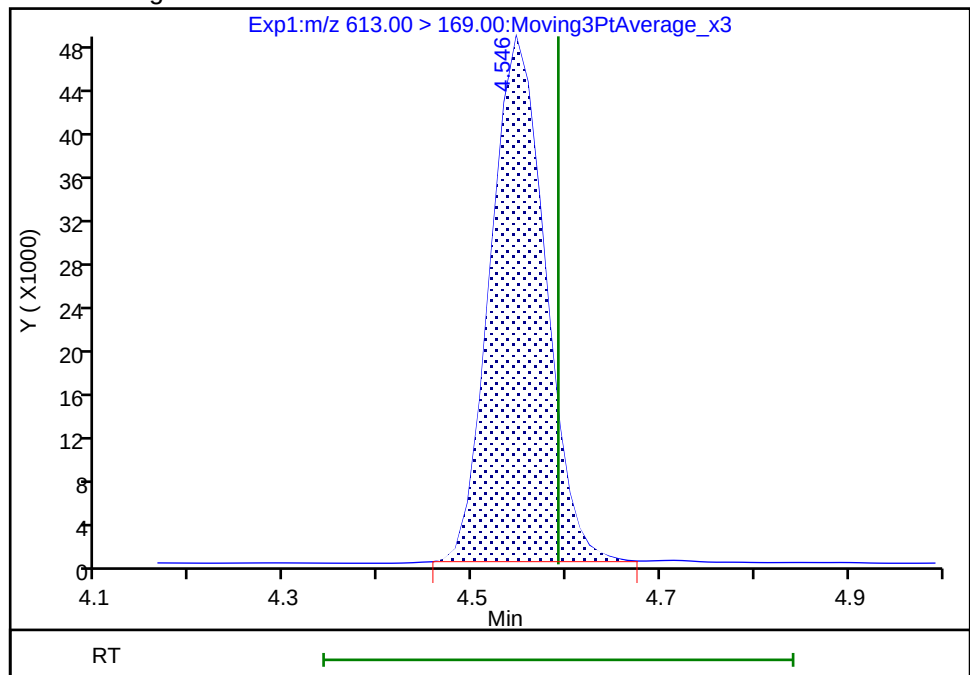
RT: 4.55
Area: 195870
Amount: 0.972615
Amount Units: ng/ml

Processing Integration Results



RT: 4.55
Area: 193654
Amount: 0.968781
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:35:13

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

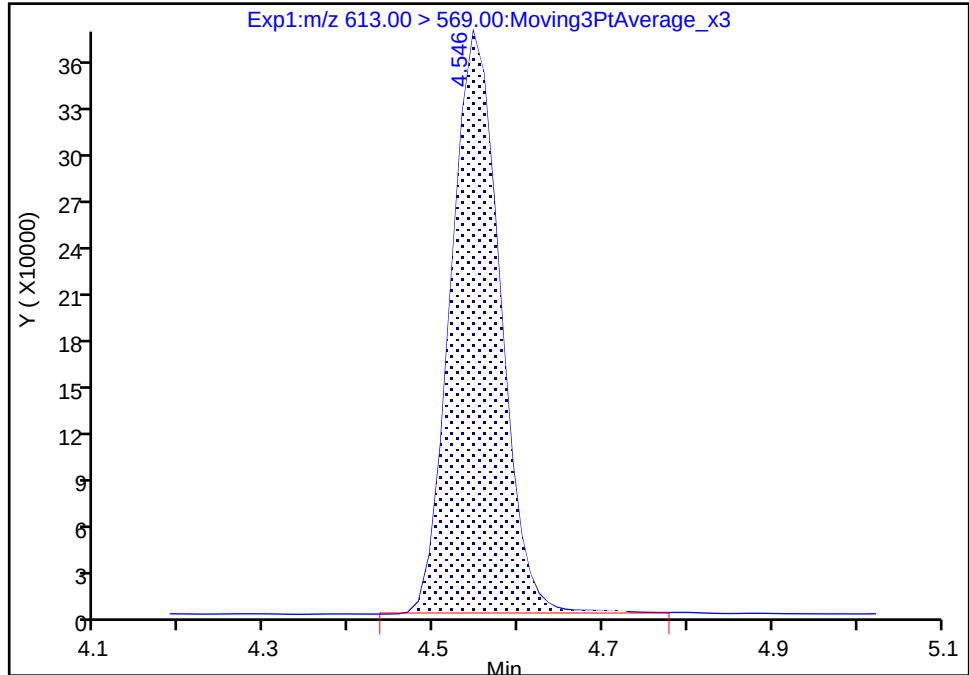
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A09.d
Injection Date: 30-Nov-2022 10:22:01 Instrument ID: LC812
Lims ID: 460-269761-A-1-E MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

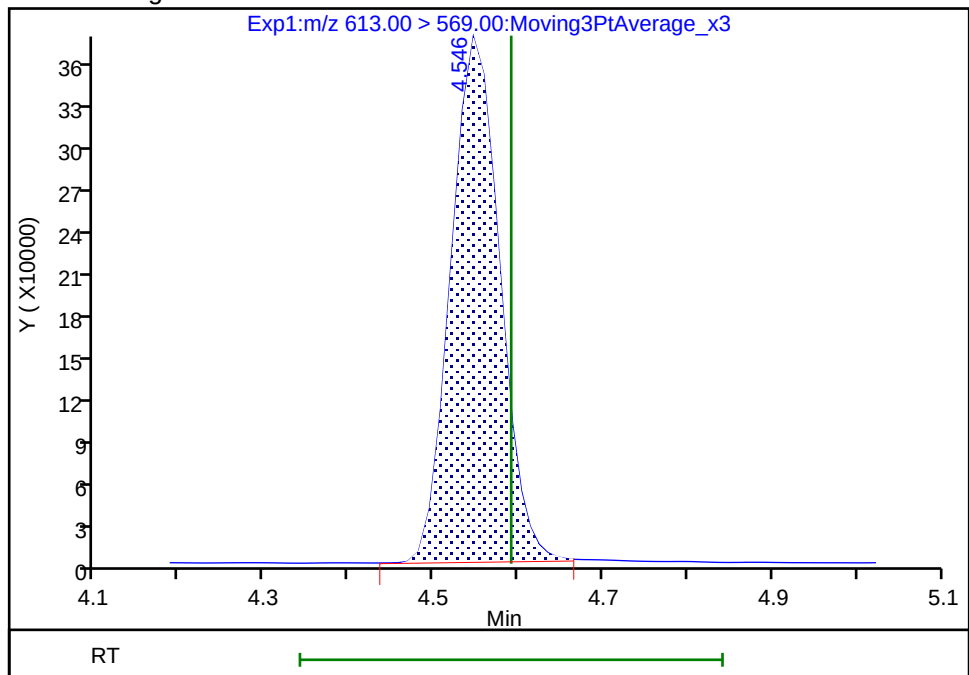
RT: 4.55
Area: 1524181
Amount: 0.972615
Amount Units: ng/ml

Processing Integration Results



RT: 4.55
Area: 1518172
Amount: 0.968781
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:35:15

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A09.d

Injection Date: 30-Nov-2022 10:22:01

Instrument ID: LC812

Lims ID: 460-269761-A-1-E MS

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

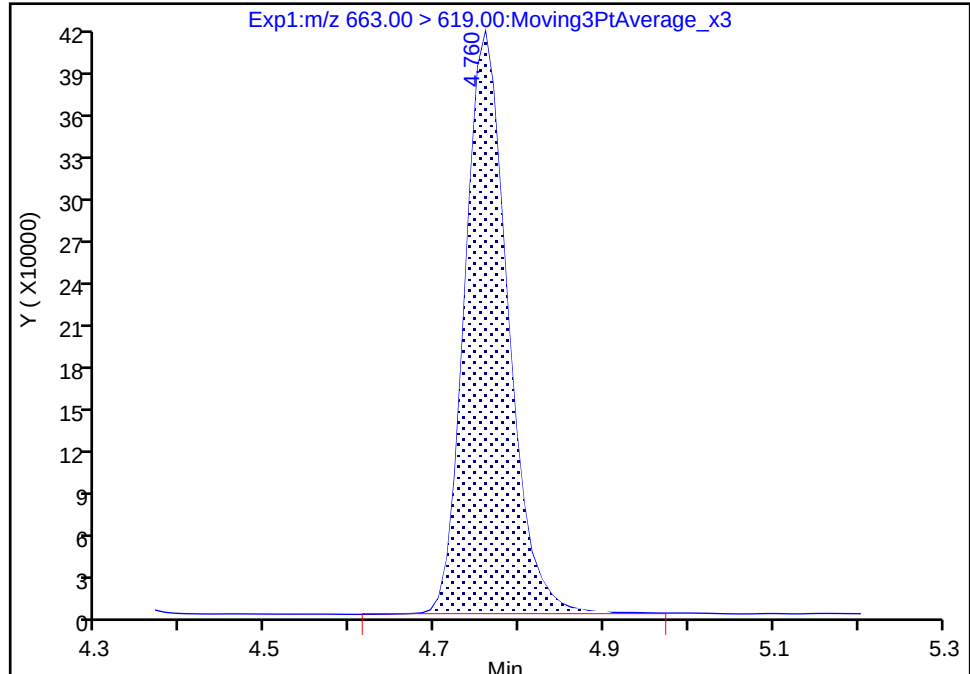
EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

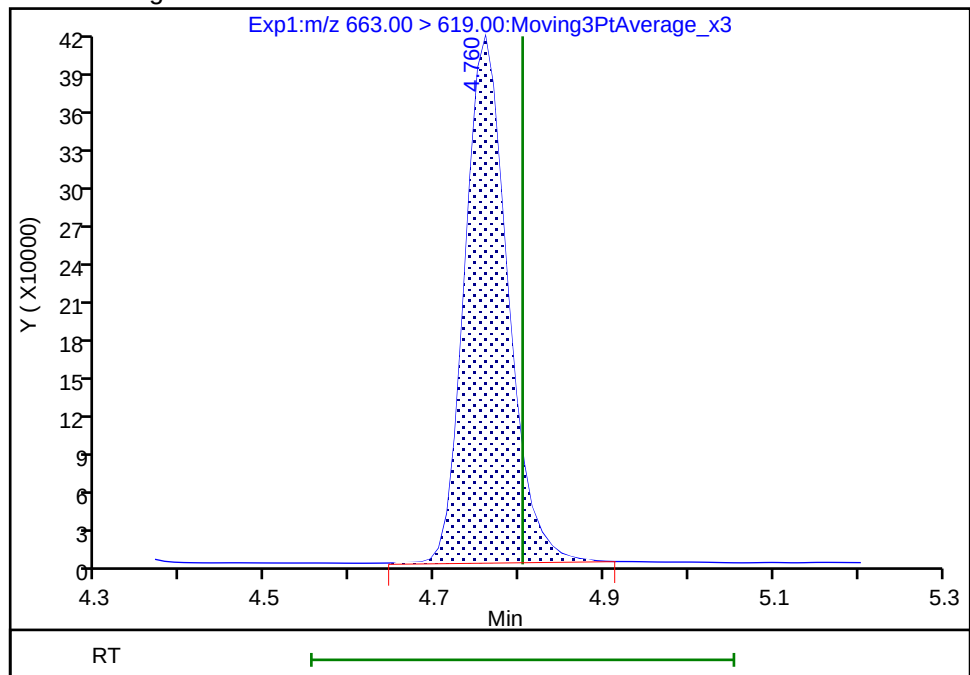
RT: 4.76
Area: 1470464
Amount: 0.981153
Amount Units: ng/ml

Processing Integration Results



RT: 4.76
Area: 1463766
Amount: 0.976684
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:35:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

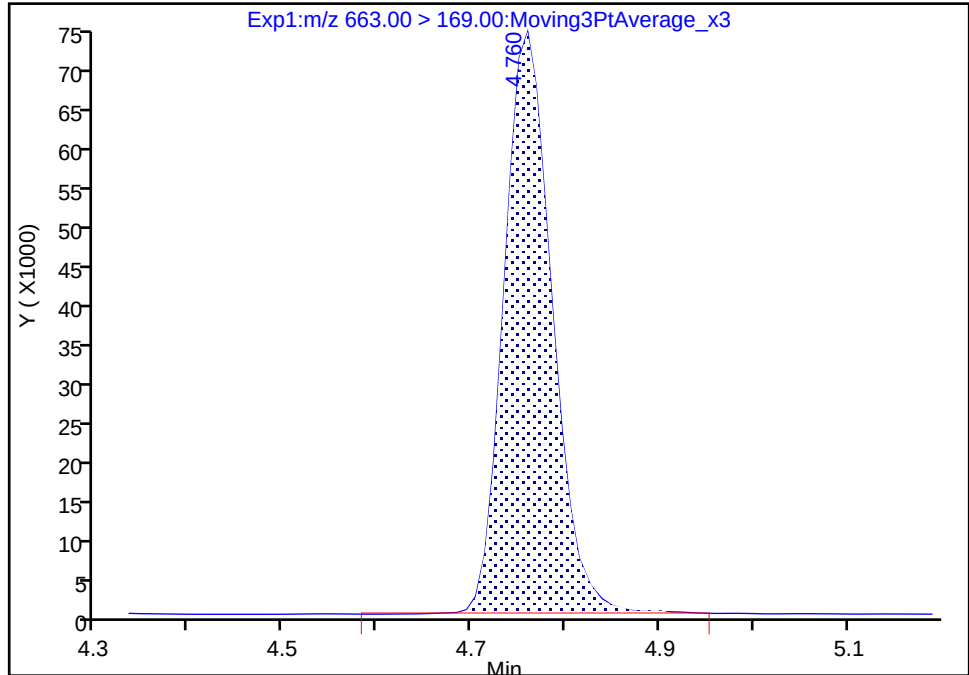
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A09.d
Injection Date: 30-Nov-2022 10:22:01 Instrument ID: LC812
Lims ID: 460-269761-A-1-E MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

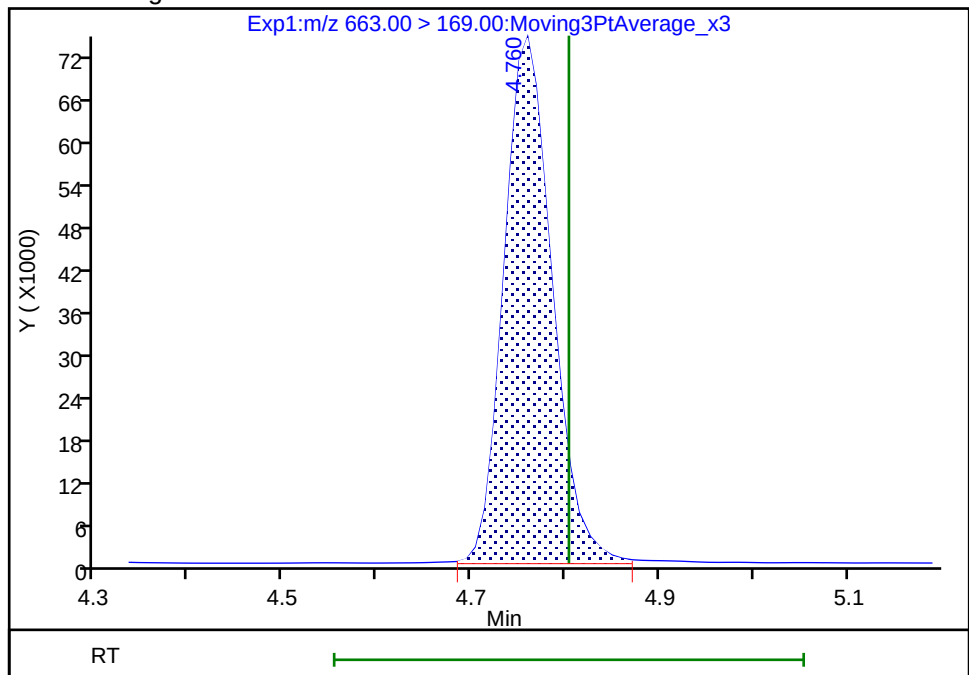
RT: 4.76
Area: 265429
Amount: 0.981153
Amount Units: ng/ml

Processing Integration Results



RT: 4.76
Area: 263318
Amount: 0.976684
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:35:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A09.d

Injection Date: 30-Nov-2022 10:22:01

Instrument ID: LC812

Lims ID: 460-269761-A-1-E MS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

6

Worklist Smp#: 9

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

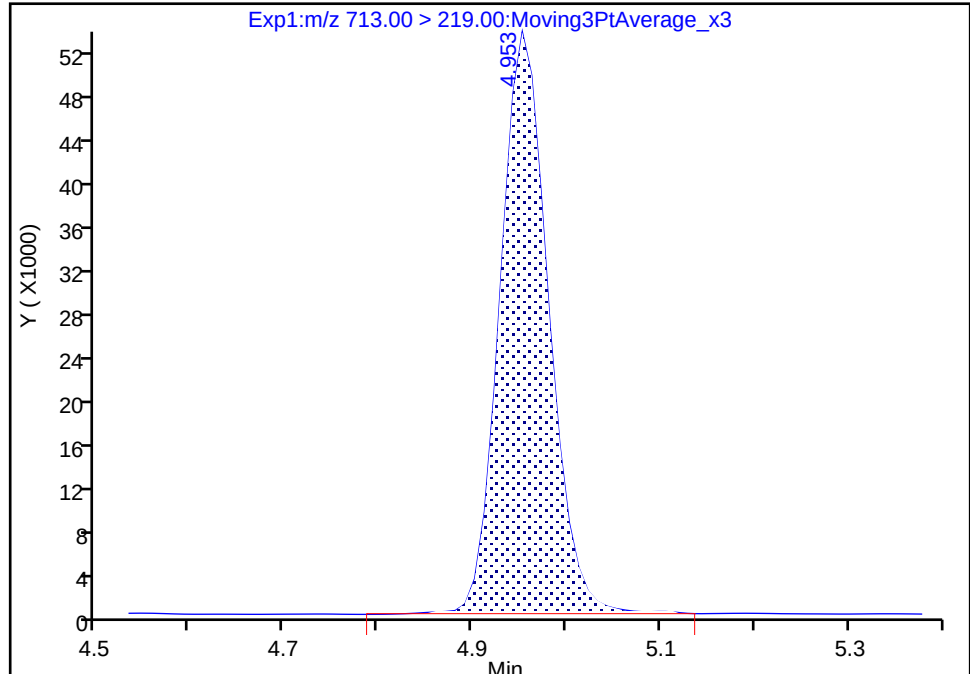
Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

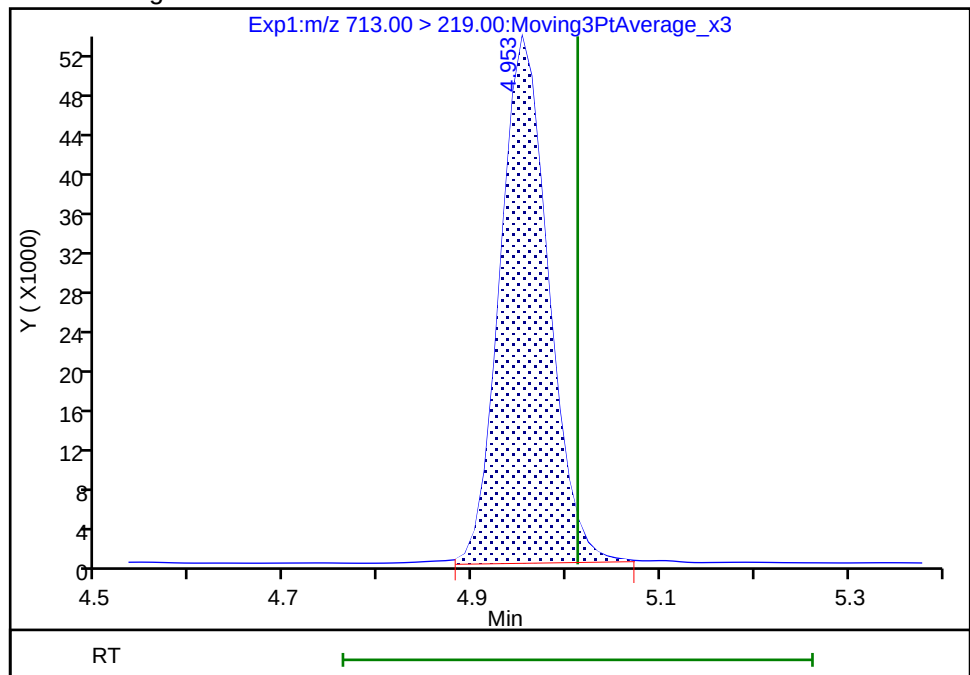
RT: 4.95
Area: 191579
Amount: 0.948445
Amount Units: ng/ml

Processing Integration Results



RT: 4.95
Area: 190252
Amount: 0.948445
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:36:00

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A09.d

Injection Date: 30-Nov-2022 10:22:01

Instrument ID: LC812

Lims ID: 460-269761-A-1-E MS

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

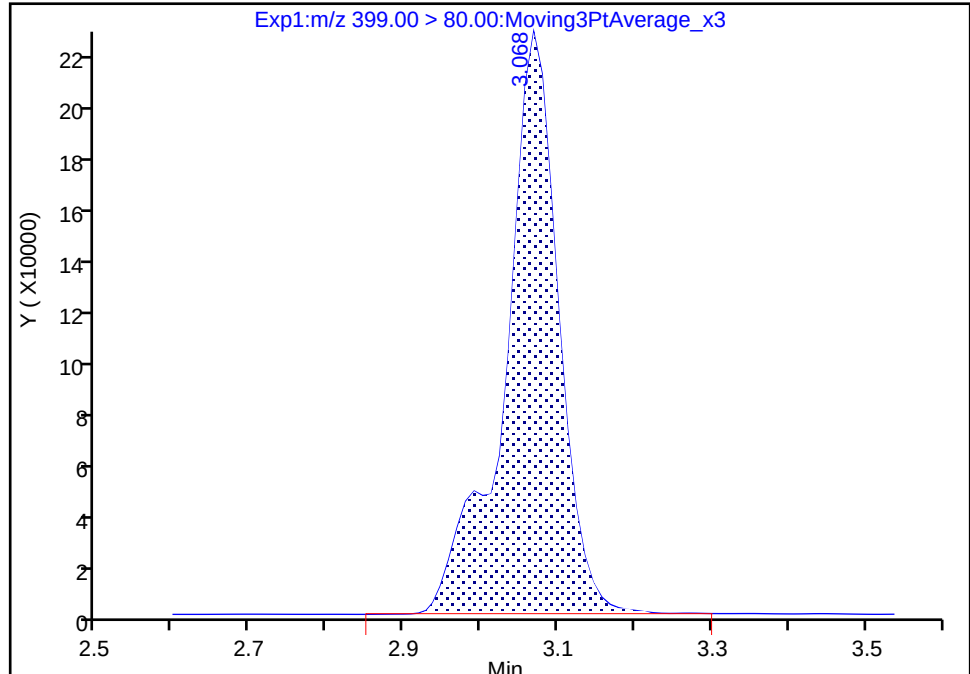
EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

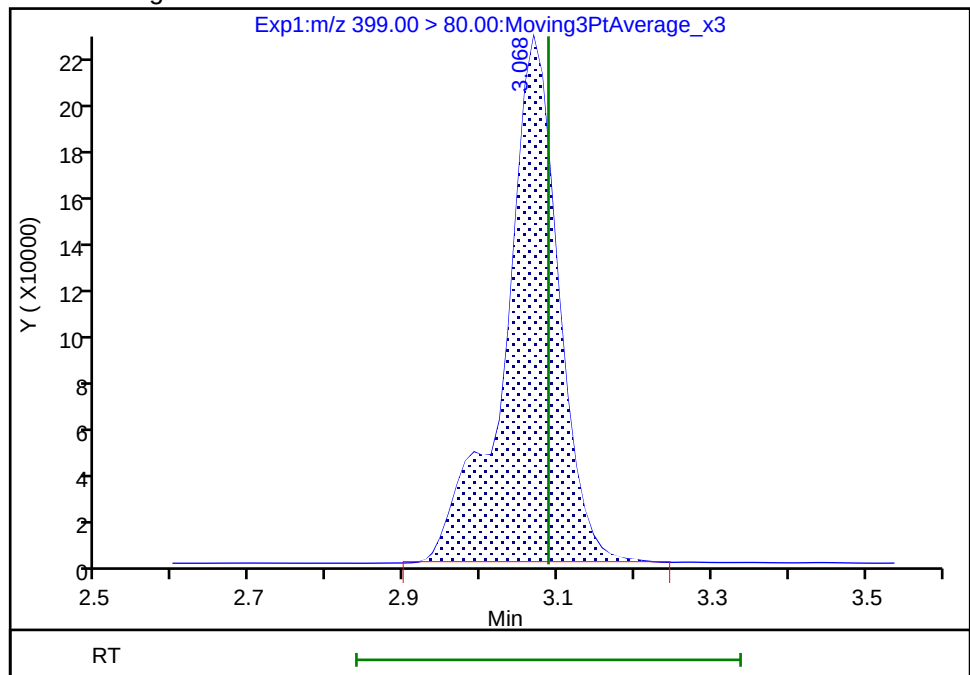
RT: 3.07
Area: 1100289
Amount: 0.914191
Amount Units: ng/ml

Processing Integration Results



RT: 3.07
Area: 1097925
Amount: 0.912227
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:32:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A09.d

Injection Date: 30-Nov-2022 10:22:01

Instrument ID: LC812

Lims ID: 460-269761-A-1-E MS

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

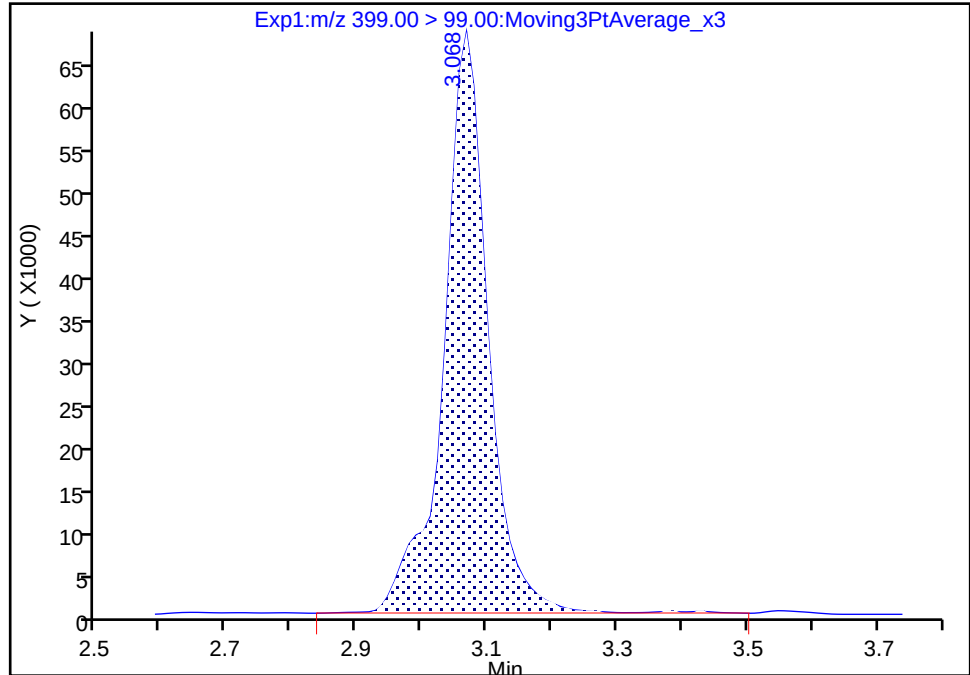
EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

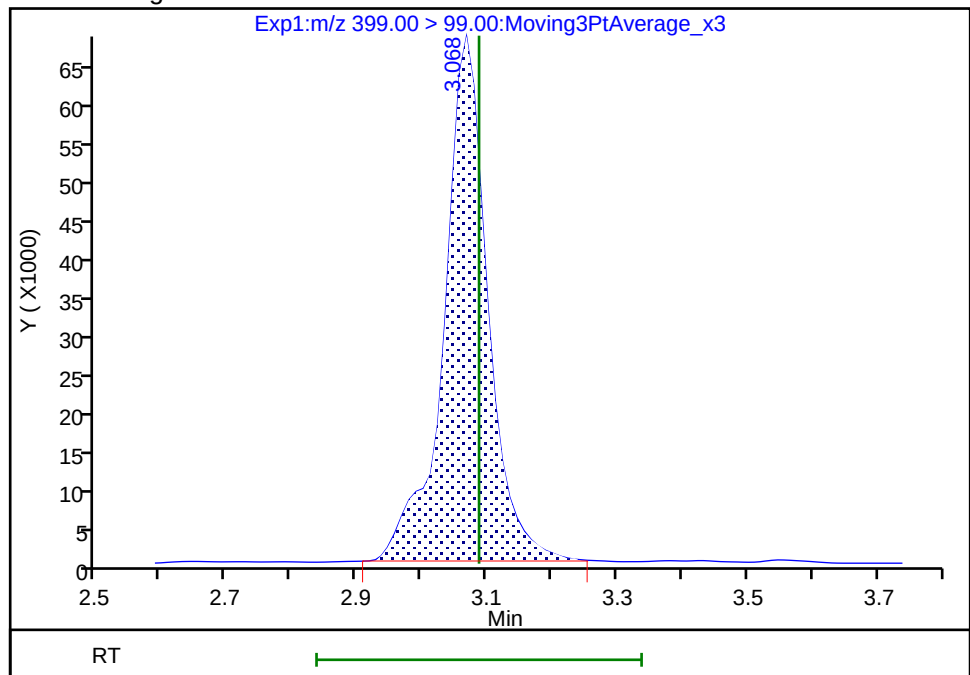
RT: 3.07
Area: 324067
Amount: 0.914191
Amount Units: ng/ml

Processing Integration Results



RT: 3.07
Area: 317783
Amount: 0.912227
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:33:02

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A09.d

Injection Date: 30-Nov-2022 10:22:01

Instrument ID: LC812

Lims ID: 460-269761-A-1-E MS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

6

Worklist Smp#: 9

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

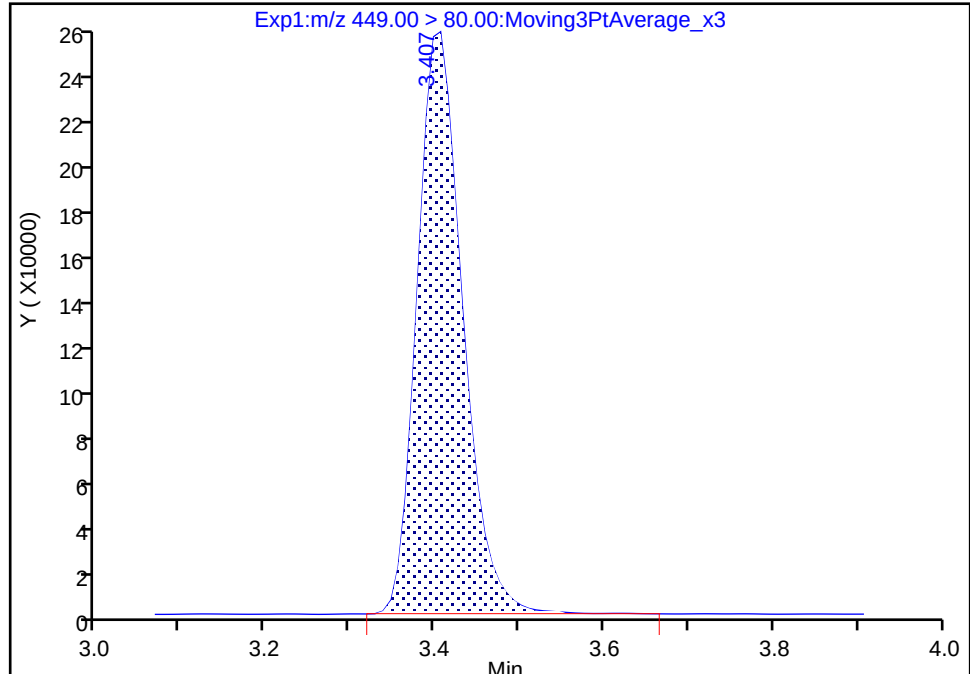
EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

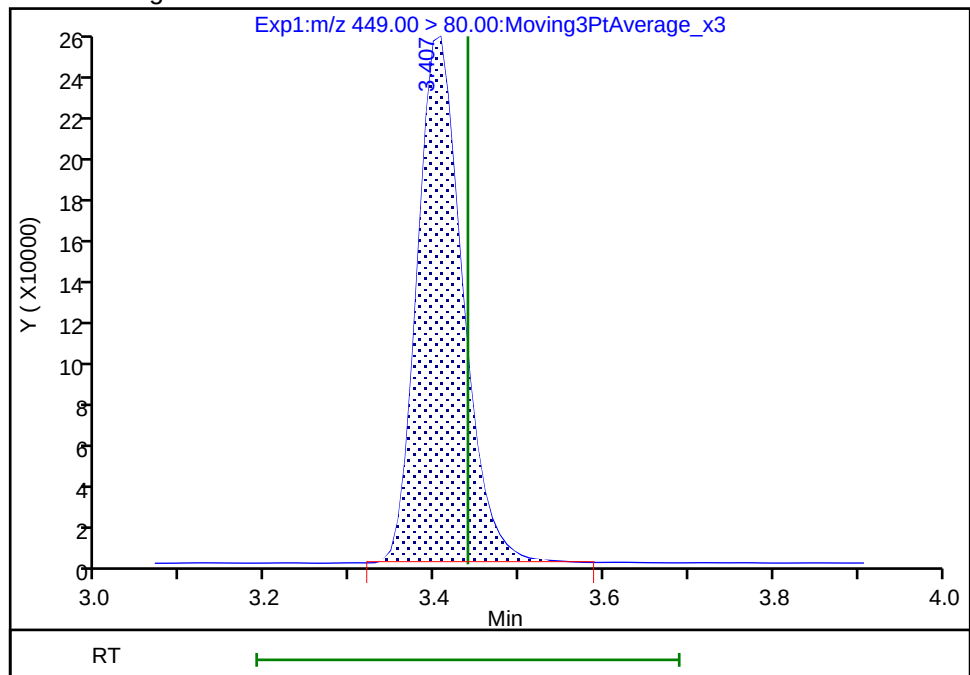
RT: 3.41
Area: 949547
Amount: 0.913465
Amount Units: ng/ml

Processing Integration Results



RT: 3.41
Area: 946329
Amount: 0.910369
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:33:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

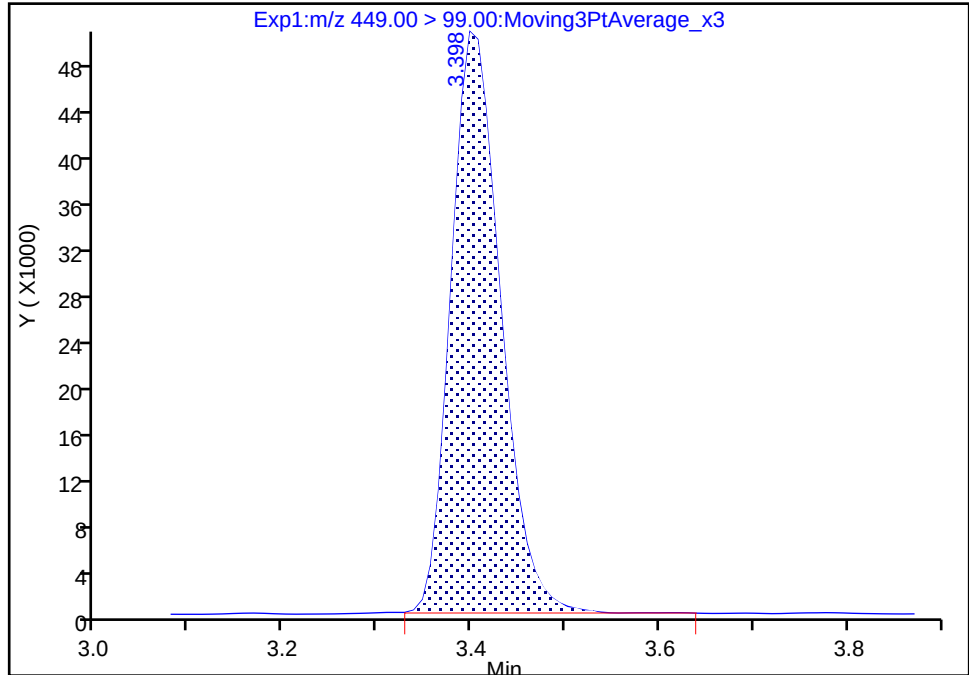
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A09.d
Injection Date: 30-Nov-2022 10:22:01 Instrument ID: LC812
Lims ID: 460-269761-A-1-E MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

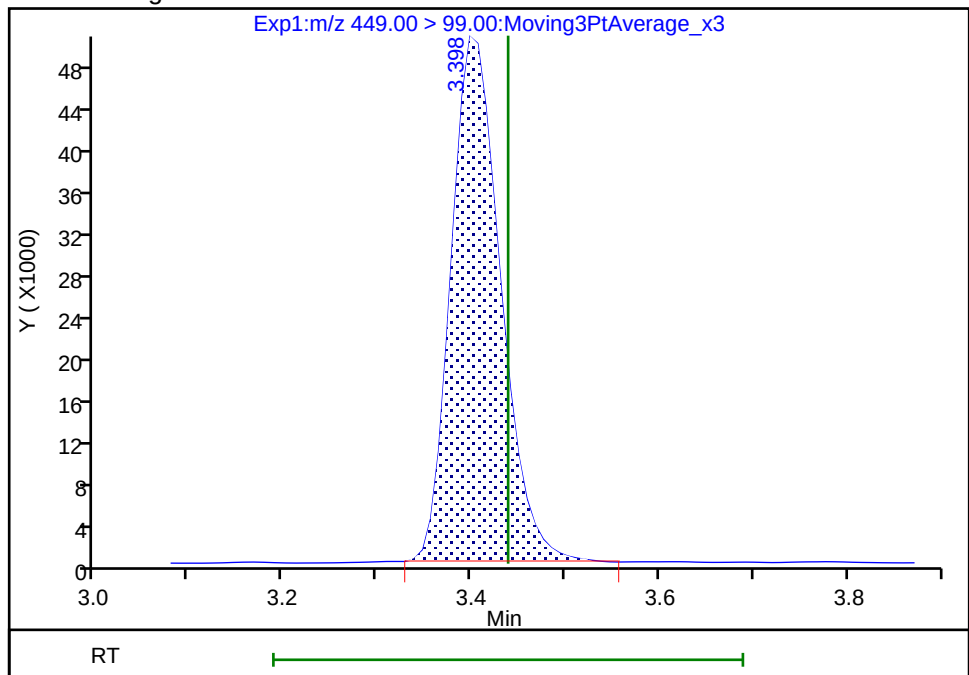
RT: 3.40
Area: 186750
Amount: 0.913465
Amount Units: ng/ml

Processing Integration Results



RT: 3.40
Area: 185578
Amount: 0.910369
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:33:38

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 838 of 90012/2/2022 2:28
PM

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A09.d

Injection Date: 30-Nov-2022 10:22:01

Instrument ID: LC812

Lims ID: 460-269761-A-1-E MS

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

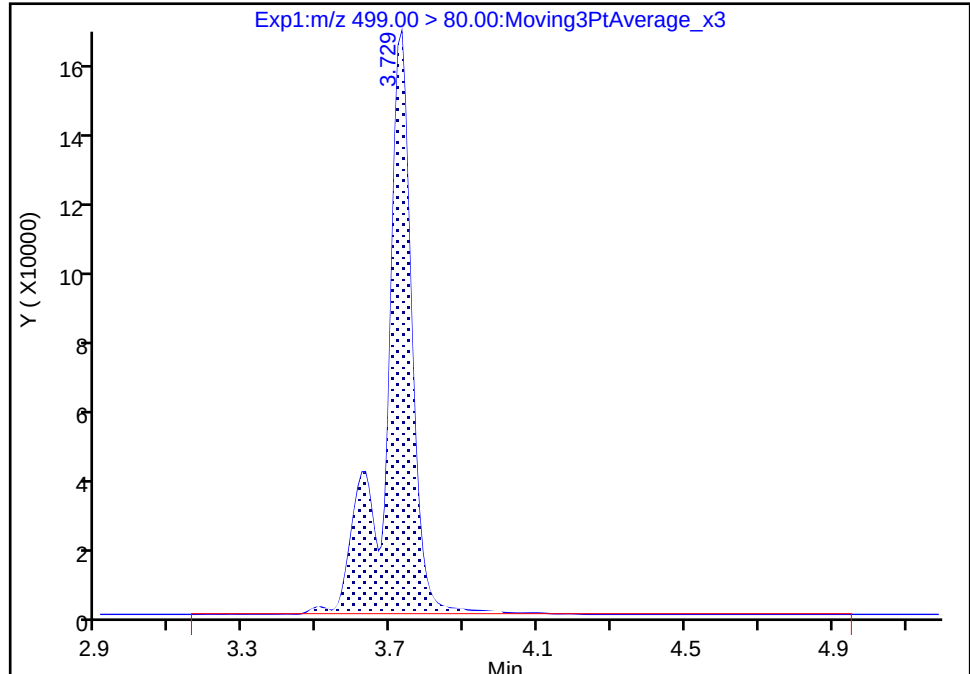
EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

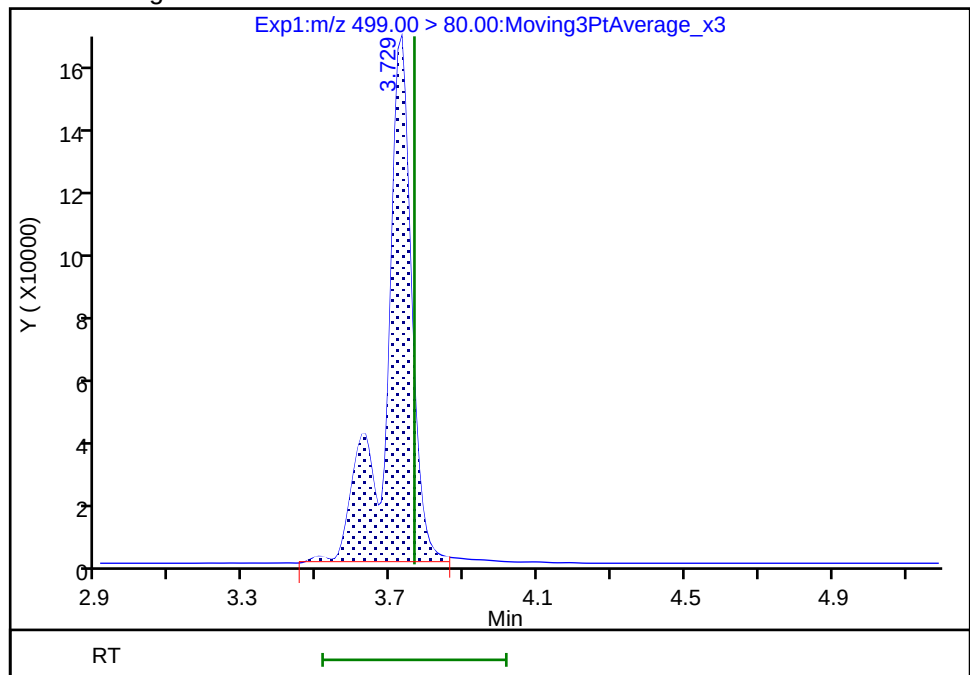
RT: 3.73
Area: 819254
Amount: 0.905148
Amount Units: ng/ml

Processing Integration Results



RT: 3.73
Area: 800096
Amount: 0.883981
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:34:06

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

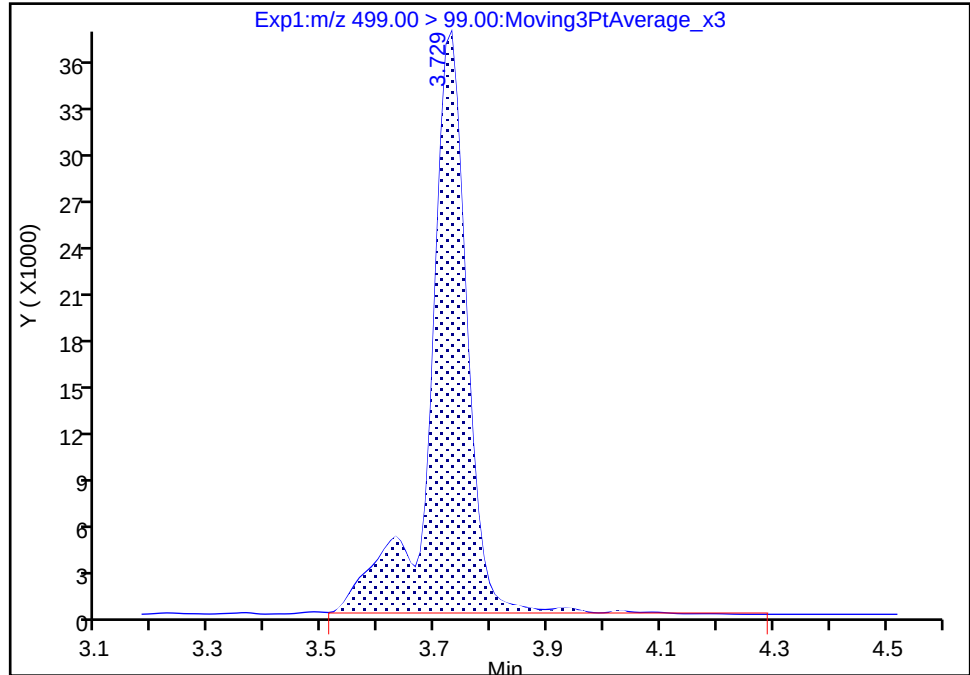
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A09.d
Injection Date: 30-Nov-2022 10:22:01 Instrument ID: LC812
Lims ID: 460-269761-A-1-E MS
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

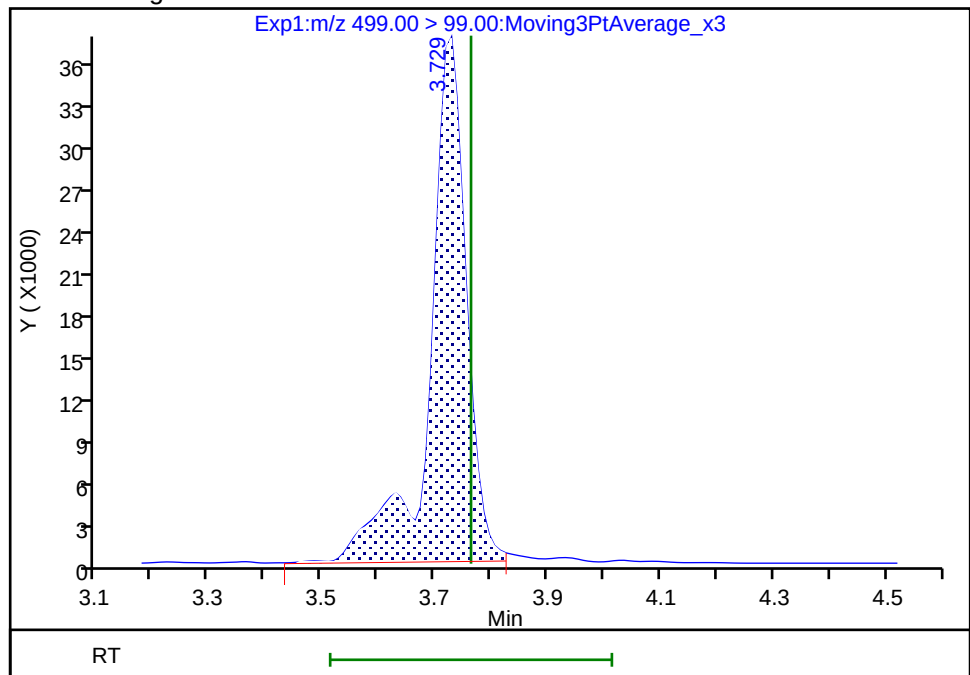
RT: 3.73
Area: 176658
Amount: 0.905148
Amount Units: ng/ml

Processing Integration Results



RT: 3.73
Area: 171100
Amount: 0.883981
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 01-Dec-2022 08:15:25

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 840 of 90012/2/2022 2:28
PM

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A09.d

Injection Date: 30-Nov-2022 10:22:01

Instrument ID: LC812

Lims ID: 460-269761-A-1-E MS

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

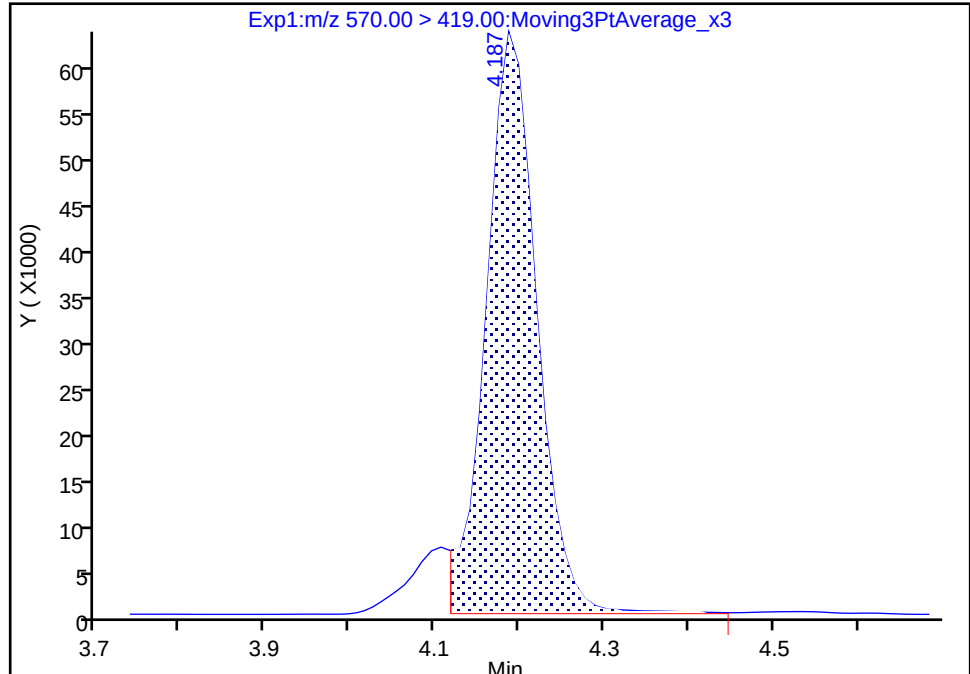
EXP1

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

Signal: 1

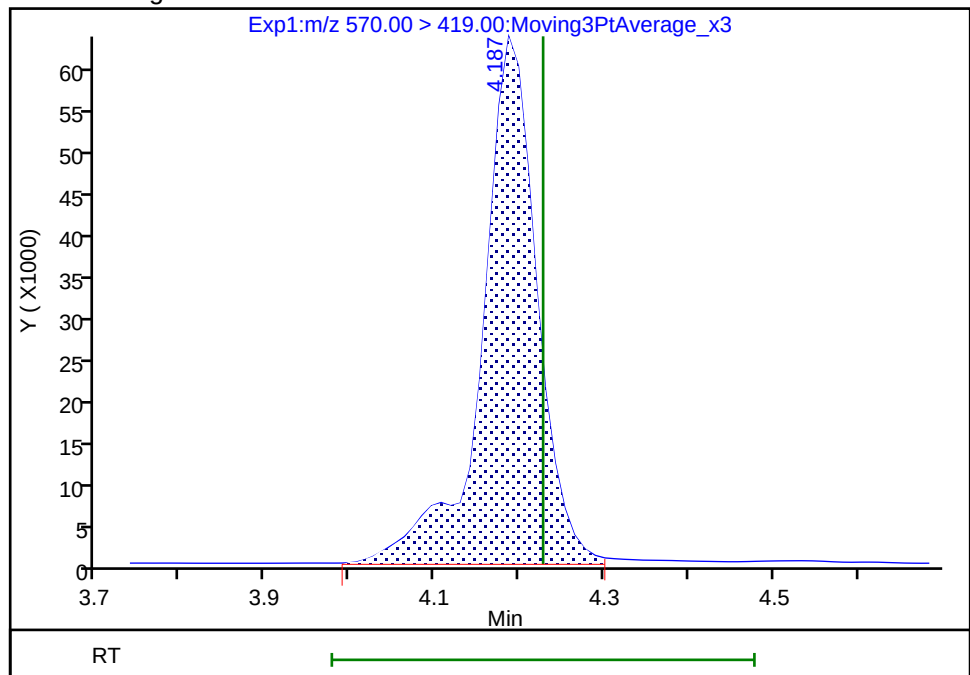
RT: 4.19
Area: 265965
Amount: 0.911534
Amount Units: ng/ml

Processing Integration Results



RT: 4.19
Area: 287014
Amount: 0.984594
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:34:34

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A09.d

Injection Date: 30-Nov-2022 10:22:01

Instrument ID: LC812

Lims ID: 460-269761-A-1-E MS

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

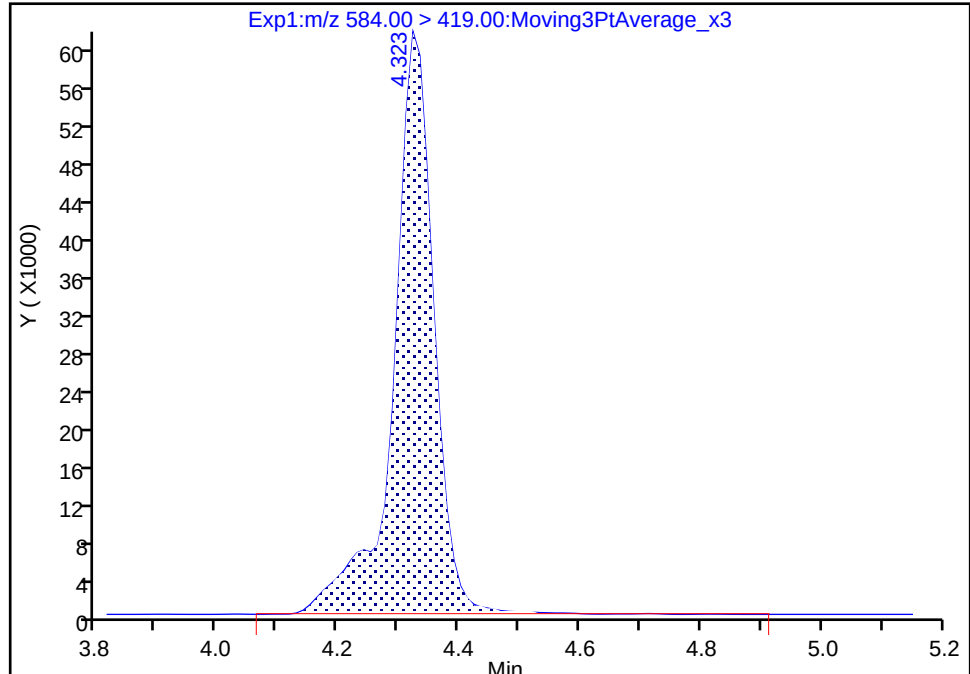
EXP1

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

Signal: 1

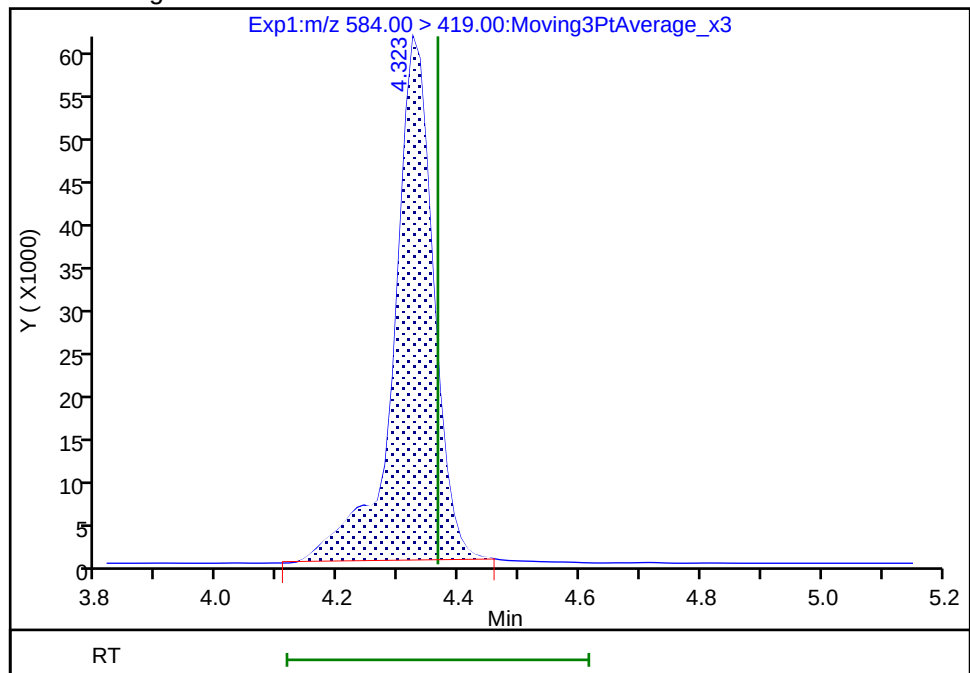
RT: 4.32
Area: 290234
Amount: 0.953657
Amount Units: ng/ml

Processing Integration Results



RT: 4.32
Area: 281725
Amount: 0.925697
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 01-Dec-2022 08:16:01

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A09.d

Injection Date: 30-Nov-2022 10:22:01

Instrument ID: LC812

Lims ID: 460-269761-A-1-E MS

Client ID:

Operator ID: lc812tech

ALS Bottle#:

6

Worklist Smp#: 9

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

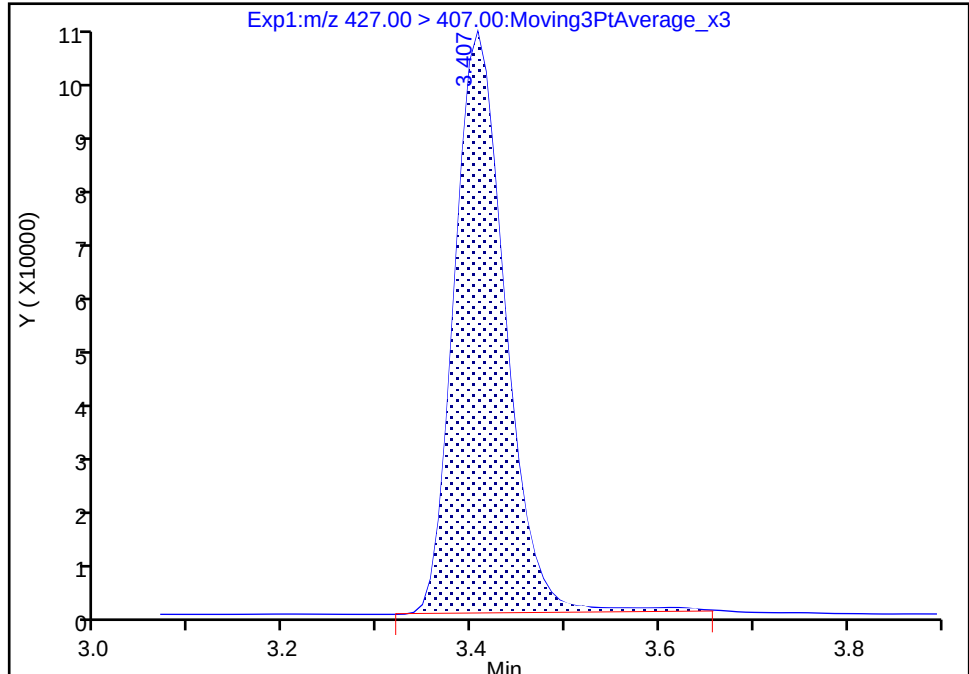
Detector: EXP1

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

Signal: 1

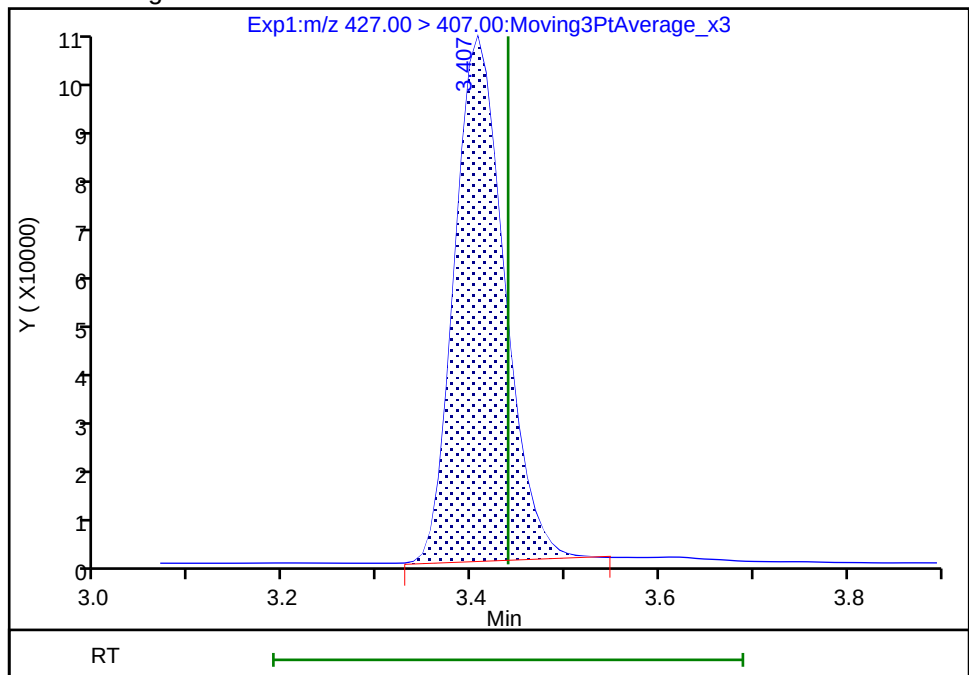
RT: 3.41
Area: 392987
Amount: 1.012672
Amount Units: ng/ml

Processing Integration Results



RT: 3.41
Area: 385631
Amount: 0.993495
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:33:28

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A09.d

Injection Date: 30-Nov-2022 10:22:01

Instrument ID: LC812

Lims ID: 460-269761-A-1-E MS

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)

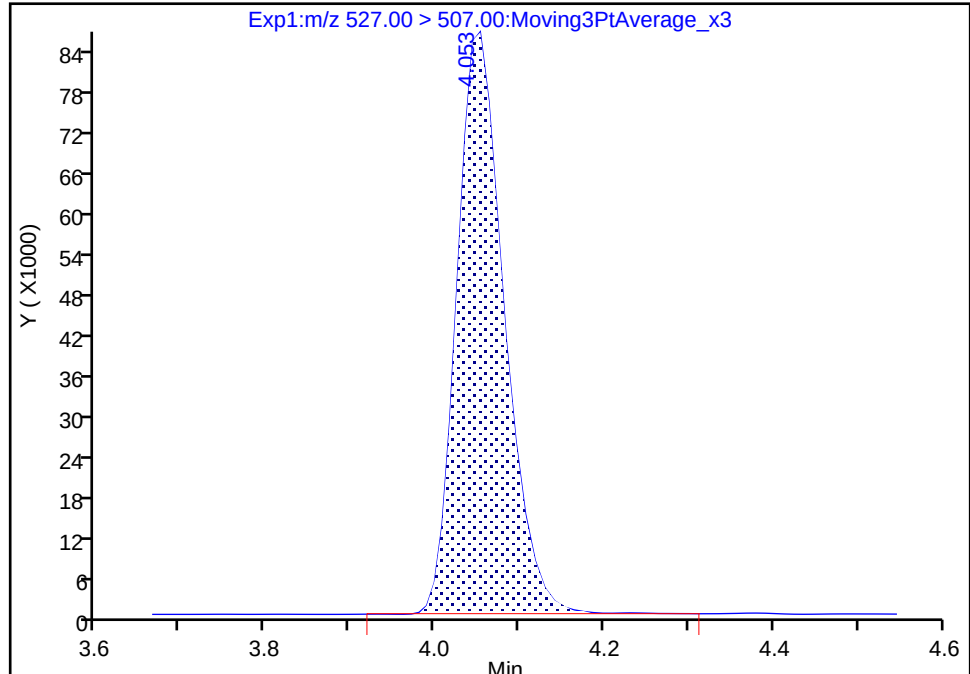
Detector: EXP1

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

Signal: 1

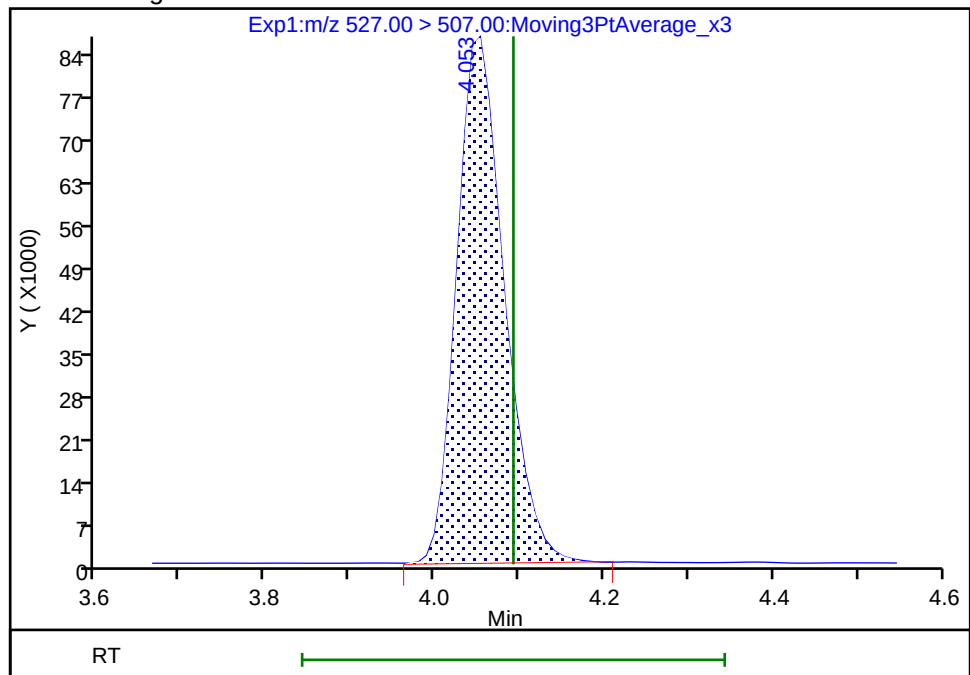
RT: 4.05
Area: 337111
Amount: 0.891279
Amount Units: ng/ml

Processing Integration Results



RT: 4.05
Area: 335833
Amount: 0.887900
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:34:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-269761-1

SDG No.: _____

Client Sample ID: BCS-09-06_(0-5.5)P MSD Lab Sample ID: 460-269761-1 MSD

Matrix: Solid Lab File ID: PA221130A10.d

Analysis Method: 537 (modified) Date Collected: 11/17/2022 13:35

Extraction Method: SHAKE Date Extracted: 11/29/2022 10:30

Sample wt/vol: 5.10(g) Date Analyzed: 11/30/2022 10:30

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

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

% Moisture: 18.4 % Solids: 81.6 GPC Cleanup: (Y/N) N

Cleanup Factor: _____

Analysis Batch No.: 186193 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	2.345		0.60	0.40
2706-90-3	Perfluoropentanoic acid (PFPeA)	2.349		0.24	0.066
307-24-4	Perfluorohexanoic acid (PFHxA)	2.305		0.24	0.055
375-85-9	Perfluoroheptanoic acid (PFHpA)	2.351		0.24	0.047
335-67-1	Perfluorooctanoic acid (PFOA)	2.344		0.24	0.070
375-95-1	Perfluorononanoic acid (PFNA)	2.478		0.24	0.041
335-76-2	Perfluorodecanoic acid (PFDA)	2.268		0.24	0.034
2058-94-8	Perfluoroundecanoic acid (PFUnA)	2.388		0.24	0.032
307-55-1	Perfluorododecanoic acid (PFDoA)	2.410		0.24	0.030
72629-94-8	Perfluorotridecanoic acid (PFTriA)	2.327		0.24	0.030
376-06-7	Perfluorotetradecanoic acid (PFTeA)	2.275		0.24	0.031
375-73-5	Perfluorobutanesulfonic acid (PFBS)	2.026		0.24	0.040
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	2.163		0.24	0.049
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	2.238		0.24	0.028
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	2.119		0.24	0.13
335-77-3	Perfluorodecanesulfonic acid (PFDS)	2.273		0.24	0.023
754-91-6	Perfluorooctanesulfonamide (FOSA)	2.304		0.24	0.041
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.456		2.40	0.13
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.382	J	2.40	0.10
27619-97-2	6:2 FTS	2.303	J	2.40	0.068
39108-34-4	8:2 FTS	2.307	J	2.40	0.044

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-269761-1
 SDG No.: _____
 Client Sample ID: BCS-09-06_(0-5.5)P MSD Lab Sample ID: 460-269761-1 MSD
 Matrix: Solid Lab File ID: PA221130A10.d
 Analysis Method: 537 (modified) Date Collected: 11/17/2022 13:35
 Extraction Method: SHAKE Date Extracted: 11/29/2022 10:30
 Sample wt/vol: 5.10(g) Date Analyzed: 11/30/2022 10:30
 Con. Extract Vol.: 10(mL) Dilution Factor: 1
 Injection Volume: 20(uL) GC Column: C-18 ID: 4.6 (mm)
 % Moisture: 18.4 % Solids: 81.6 GPC Cleanup: (Y/N) N
 Cleanup Factor: _____
 Analysis Batch No.: 186193 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	89		50-150
STL01892	13C4 PFHpA	93		50-150
STL00990	13C4 PFOA	91		50-150
STL00991	13C4 PFOS	90		50-150
STL00995	13C5 PFNA	90		50-150
STL00992	13C4 PFBA	87		50-150
STL00993	13C2 PFHxA	92		50-150
STL00996	13C2 PFDA	101		50-150
STL00997	13C2 PFUnA	97		50-150
STL00998	13C2 PFDoA	88		50-150
STL01056	13C8 FOSA	91		50-150
STL01893	13C5 PFPeA	90		50-150
STL02116	13C2 PFTeDA	92		50-150
STL02118	d3-NMeFOSAA	87		50-150
STL02117	d5-NEtFOSAA	90		50-150
STL02279	M2-6:2 FTS	92		50-150
STL02280	M2-8:2 FTS	92		50-150
STL02337	13C3 PFBS	86		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A10.d
 Lims ID: 460-269761-A-1-F MSD
 Client ID:
 Sample Type: MSD
 Inject. Date: 30-Nov-2022 10:30:12 ALS Bottle#: 7 Worklist Smp#: 10
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 460-269761-A-1-F MSD
 Misc. Info.: 200-0053485-010 Plate: 1 Rack: 1
 Operator ID: lc812tech Instrument ID: LC812
 Method: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PFC_LC812.m
 Limit Group: LC_PFC_ICAL
 Last Update: 01-Dec-2022 08:24:50 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: CTX1681

First Level Reviewer: khanphomeea

Date: 01-Dec-2022 10:42:56

Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.093	2.076	0.017	0.610	2201582	1.09		86.8	13090	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.093	2.076	0.017	1.000	1772073	0.9757		97.6	158	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.387	2.387	0.0	0.696	1736011	1.12		89.9	2859	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.387	2.387	0.0	1.000	1479505	0.9775		97.8	31.7	M
D 47 13C3 PFBS										
301.90 > 80.00	2.413	2.400	0.013	0.704	1686305	1.00		86.4	272285	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.413	2.400	0.013	1.000	1399580	0.8433	Target=2.09	95.4	1123	
298.90 > 99.00	2.413	2.400	0.013	1.000	655649		2.13(1.04-3.13)		182	
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.689	2.689	0.0	1.000	353913	0.8880		95.1	780	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.689	2.689	0.0	0.784	151034	1.02		87.2	104	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.725	2.725	0.0	0.795	1851587	1.14		91.5	5185	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.725	2.725	0.0	1.000	1548146	0.9592	Target=14.25	95.9	216	M
313.00 > 119.00	2.725	2.725	0.0	1.000	113481		13.64(7.12-21.37)		160	
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.738	2.737	0.001	0.890	1273589	0.8786	Target=3.04	93.7	913	
349.00 > 99.00	2.738	2.737	0.001	0.890	436818		2.92(1.52-4.56)		646	
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.835	2.835	0.0	1.000	271030	0.9849		98.5	1334	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	325764	1.14		91.2	1608	
D 11 18O2 PFHxS										
403.00 > 84.00	3.077	3.088	-0.011	0.897	1283528	1.05		88.8	4787	
8 Perfluorohexanesulfonic acid										
399.00 > 80.00	3.077	3.088	-0.011	1.000	1102611	0.9000	Target=3.66	98.9	1101	M
399.00 > 99.00	3.077	3.088	-0.011	1.000	331539		3.33(1.83-5.49)		376	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.088	3.099	-0.011	0.900	1936520	1.16		93.1	5603	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.088	3.099	-0.011	1.000	1650329	0.9784	Target=3.97	97.8	211	M
363.00 > 169.00	3.088	3.099	-0.011	1.000	425130		3.88(1.98-5.95)		812	M
77 DONA										
377.00 > 251.00	3.121	3.132	-0.011	0.833	3937980	0.9614	Target=3.16	102	3269	
377.00 > 85.00	3.121	3.132	-0.011	0.833	1272797		3.09(1.58-4.73)		1446	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.421	3.439	-0.018	0.997	224670	1.10		92.3	326	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.421	3.439	-0.018	1.000	387837	0.9585		101	350	M
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.421	3.439	-0.018	0.914	967472	0.9313	Target=5.14	97.8	1275	M
449.00 > 99.00	3.421	3.439	-0.018	0.914	187157		5.17(2.57-7.72)		485	M
D 14 13C4 PFOA										
417.00 > 372.00	3.430	3.448	-0.018	1.000	2130261	1.14		91.1	3219	
* 62 13C2 PFOA										
415.00 > 370.00	3.430	3.448	-0.018		2260033	1.25			3530	
15 Perfluorooctanoic acid										
413.00 > 369.00	3.430	3.448	-0.018	1.000	1777372	0.9756	Target=2.79	97.6	98.2	M
413.00 > 169.00	3.430	3.448	-0.018	1.000	659767		2.69(1.40-4.19)		732	M
D 18 13C4 PFOS										
503.00 > 80.00	3.745	3.764	-0.019	1.092	888799	1.07		89.7	2221	
17 Perfluorooctanesulfonic acid										
499.00 > 80.00	3.745	3.764	-0.019	1.000	797606	0.8818	Target=5.11	95.0	548	M
499.00 > 99.00	3.745	3.764	-0.019	1.000	178725		4.46(2.55-7.66)		296	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.764	3.783	-0.019	1.000	1755195	1.03	Target=8.55	103	302	
463.00 > 169.00	3.764	3.783	-0.019	1.000	203964		8.61(4.28-12.83)		1114	M
D 19 13C5 PFNA										
468.00 > 423.00	3.764	3.783	-0.019	1.097	2050535	1.13		90.2	3788	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.904	3.928	-0.024	1.042	1888203	0.9096		97.6	2875	
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.032	4.050	-0.018	1.077	639071	0.9361	Target=2.53	97.5	1677	M
549.00 > 99.00	4.032	4.050	-0.018	1.077	249516		2.56(1.27-3.80)		1143	
D 23 13C2 PFDA										
515.00 > 470.00	4.061	4.081	-0.020	1.184	2332218	1.26		101	6460	

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	4.061	4.081	-0.020	1.000	1909843	0.9439	Target=10.26	94.4	507	
513.00 > 169.00	4.061	4.081	-0.020	1.000	193897		9.85(5.13-15.38)		442	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.071	4.093	-0.022	1.187	275020	1.10		91.6	691	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.071	4.093	-0.022	1.000	356494	0.9599		100	1468	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.127	4.150	-0.023	1.000	1386002	0.9589		95.9	1356	M
D 21 13C8 FOSA										
506.00 > 78.00	4.127	4.150	-0.023	1.203	1729422	1.14		91.1	2552	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.207	4.228	-0.021	1.226	412524	1.09		87.5	547	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.207	4.228	-0.021	1.000	293527	1.02		102	519	M
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.308	4.331	-0.023	1.150	510028	0.9461	Target=2.51	98.1	3109	
599.00 > 99.00	4.308	4.331	-0.023	1.150	203242		2.51(1.25-3.76)		645	
D 30 13C2 PFUnA										
565.00 > 520.00	4.331	4.353	-0.022	1.263	2050353	1.21		96.7	5908	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.331	4.353	-0.022	1.000	1642679	0.99	Target=9.88	99.4	661	
563.00 > 169.00	4.331	4.353	-0.022	1.000	165246		9.94(4.94-14.82)		1412	
33 N-ethylperfluorooctanesulfonamid										
584.00 > 419.00	4.342	4.365	-0.023	1.000	297740	0.99		99.1	943	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.342	4.365	-0.023	1.266	419311	1.13		90.3	951	
66 11-Chloroeicosafuoro-3-oxaundec										
631.00 > 451.00	4.432	4.454	-0.022	1.184	2826288	0.8832		93.8	5791	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.568	4.591	-0.023	1.000	1608341	1.00	Target=7.77	100	168	M
613.00 > 169.00	4.568	4.591	-0.023	1.000	221515		7.26(3.89-11.66)		944	
D 36 13C2 PFDaA										
615.00 > 570.00	4.568	4.591	-0.023	1.332	1891952	1.09		87.5	4267	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.591	4.612	-0.021	1.128	204159	0.9149		94.9	914	
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.749	4.776	-0.027	1.268	204247	0.8955	Target=0.50	92.5	1354	
699.00 > 99.00	4.749	4.776	-0.027	1.268	397545		0.51(0.25-0.76)		2638	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.785	4.804	-0.019	1.048	1485251	0.9685	Target=5.21	96.8	140	M
663.00 > 169.00	4.776	4.804	-0.028	1.046	274027		5.42(2.60-7.81)		1060	
42 Perfluorotetradecanoic acid										
713.00 > 169.00	4.982	5.012	-0.030	1.000	177963	0.9469	Target=0.89	94.7	669	M
713.00 > 219.00	4.972	5.012	-0.040	0.998	195903		0.91(0.44-1.33)		732	M
D 43 13C2 PFTeDA										
715.00 > 670.00	4.982	5.012	-0.030	1.452	1716047	1.15		91.8	4749	

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	1505992	1.01	Target=5.65	101	156	M
813.00 > 169.00	5.333	5.367	-0.034	1.000	252783		5.96(2.82-8.47)		1179	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.333	5.367	-0.034	1.555	1992746	1.08		86.2	4453	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.677	5.722	-0.045	1.064	1214660	0.9251	Target=6.24	92.5	160	M
913.00 > 169.00	5.677	5.722	-0.045	1.064	198767		6.11(3.12-9.36)		630	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A10.d

Injection Date: 30-Nov-2022 10:30:12

Instrument ID: LC812

Lims ID: 460-269761-A-1-F MSD

Client ID:

Operator ID: lc812tech

ALS Bottle#: 7

Worklist Smp#: 10

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

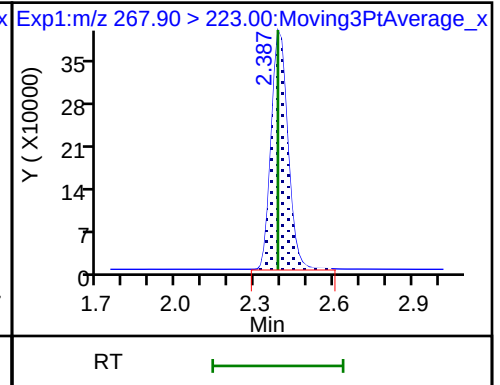
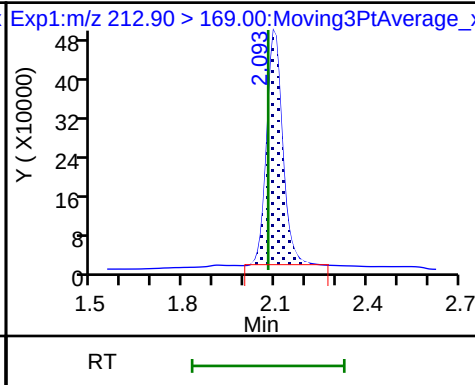
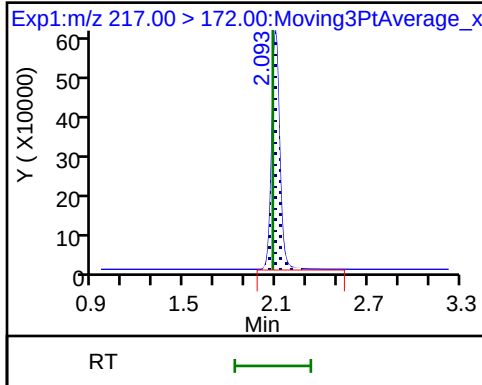
Method: PFC_LC812

Limit Group: LC_PFC_ICAL

D 1 13C4 PFBA

2 Perfluorobutanoic acid (M)

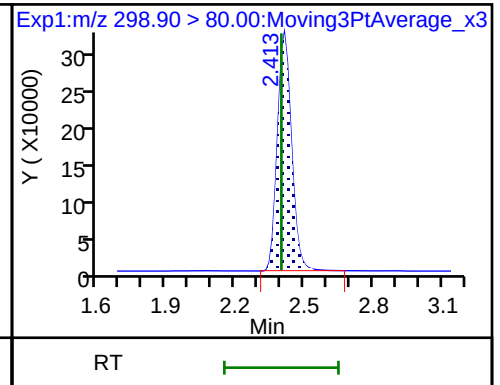
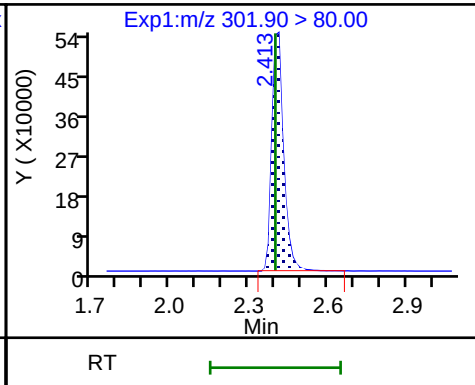
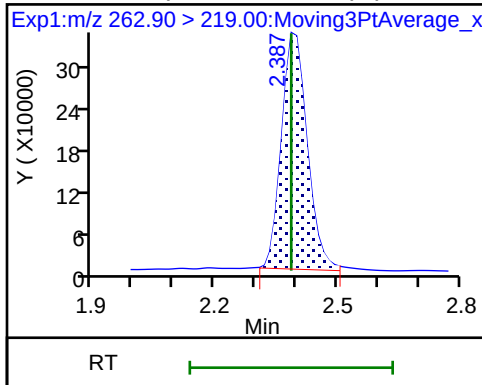
D 3 13C5 PFPeA



4 Perfluoropentanoic acid (M)

D 47 13C3 PFBS

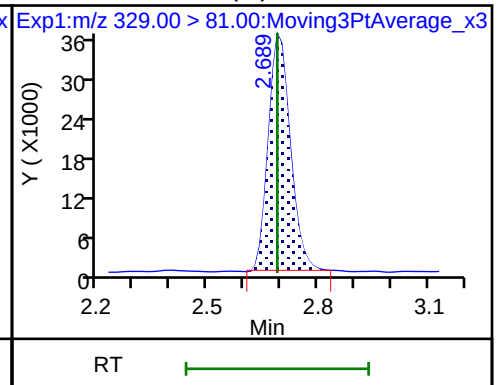
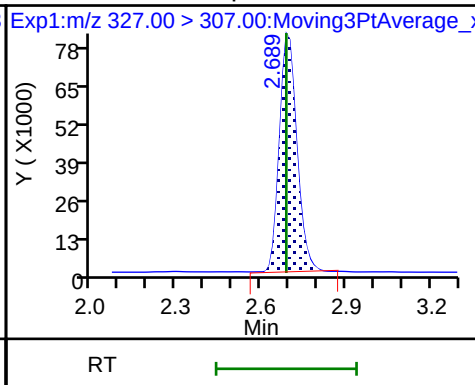
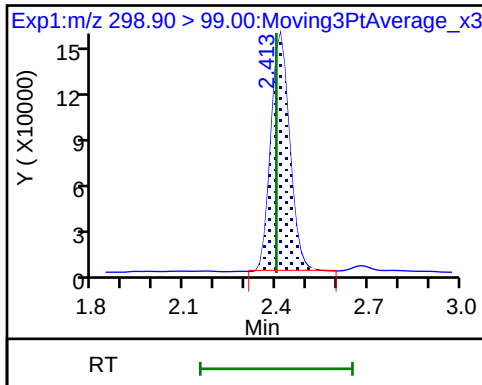
5 Perfluorobutanesulfonic acid



5 Perfluorobutanesulfonic acid

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

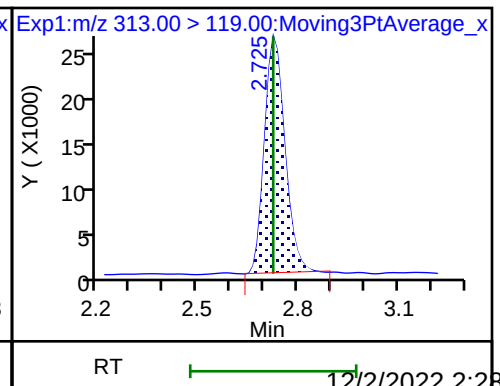
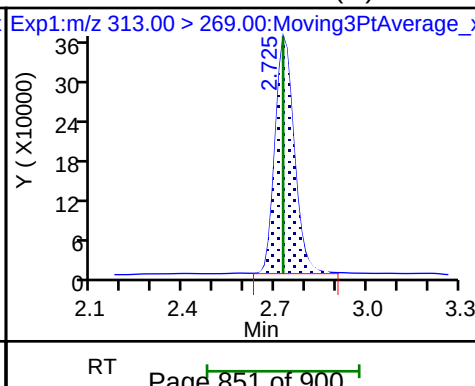
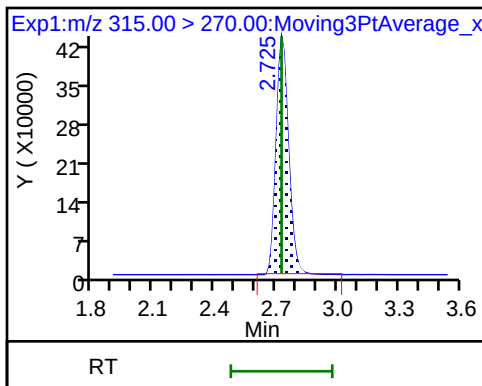
D 60 M2-4:2 FTS (M)

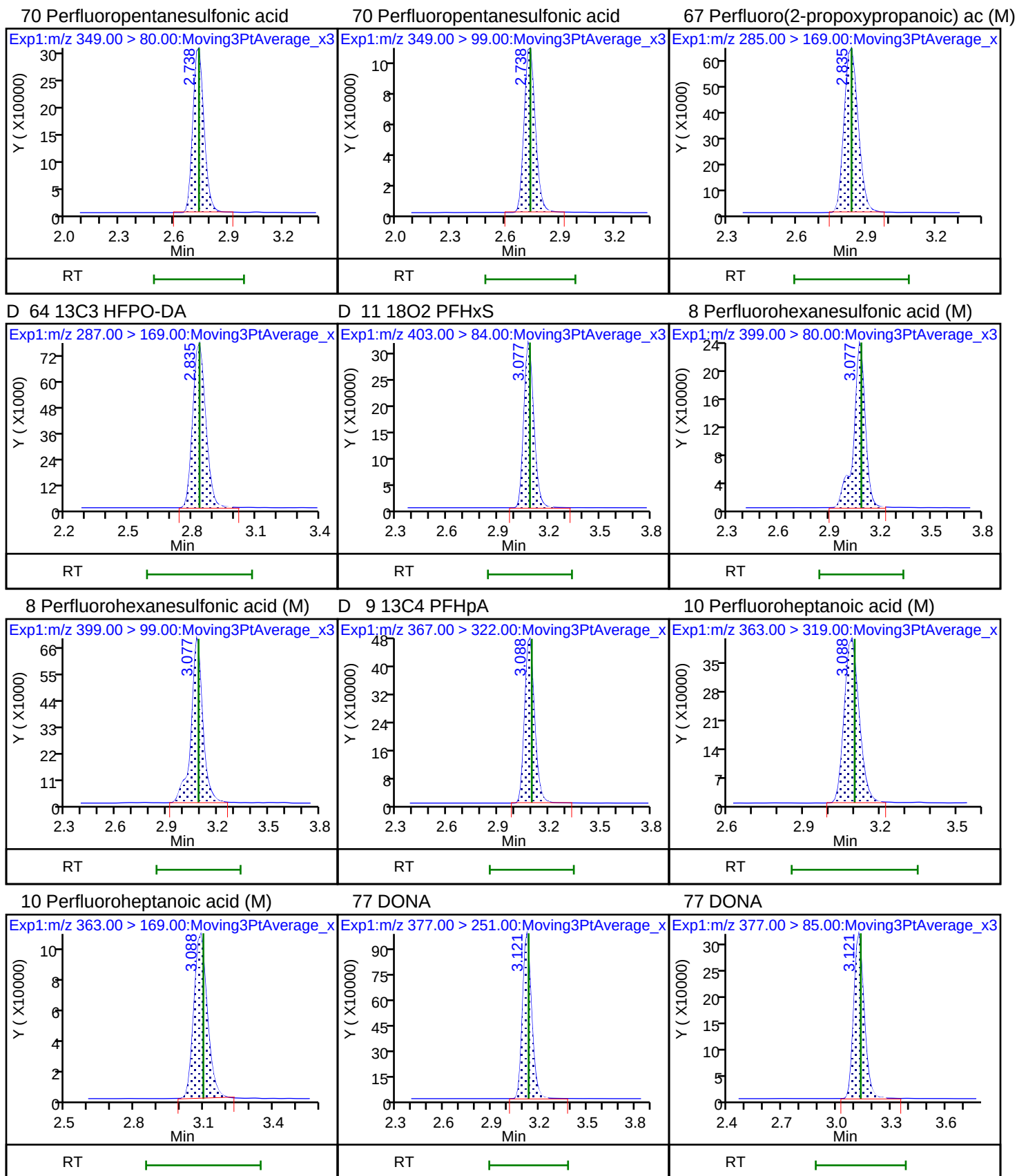


D 7 13C2 PFHxA

6 Perfluorohexanoic acid (M)

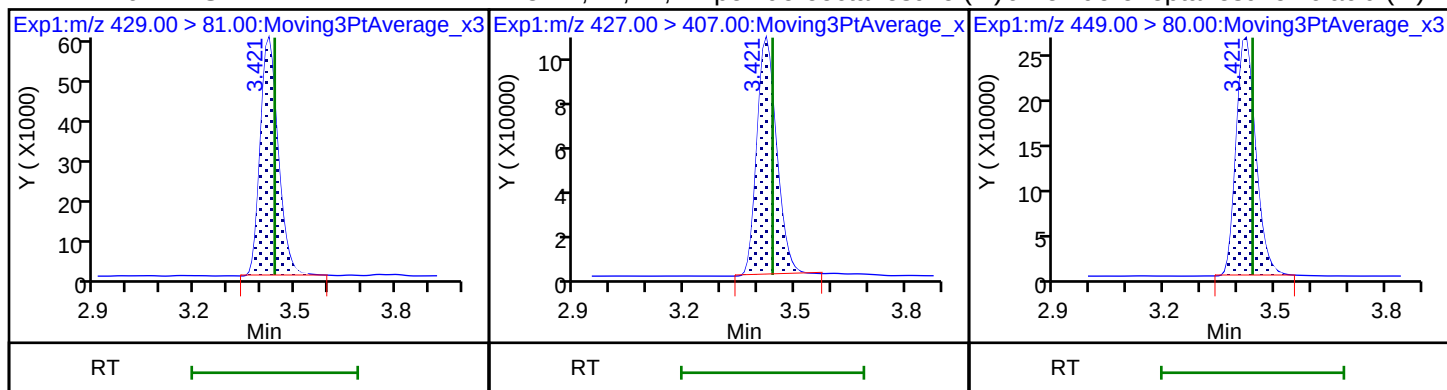
6 Perfluorohexanoic acid





D 12 M2-6:2 FTS

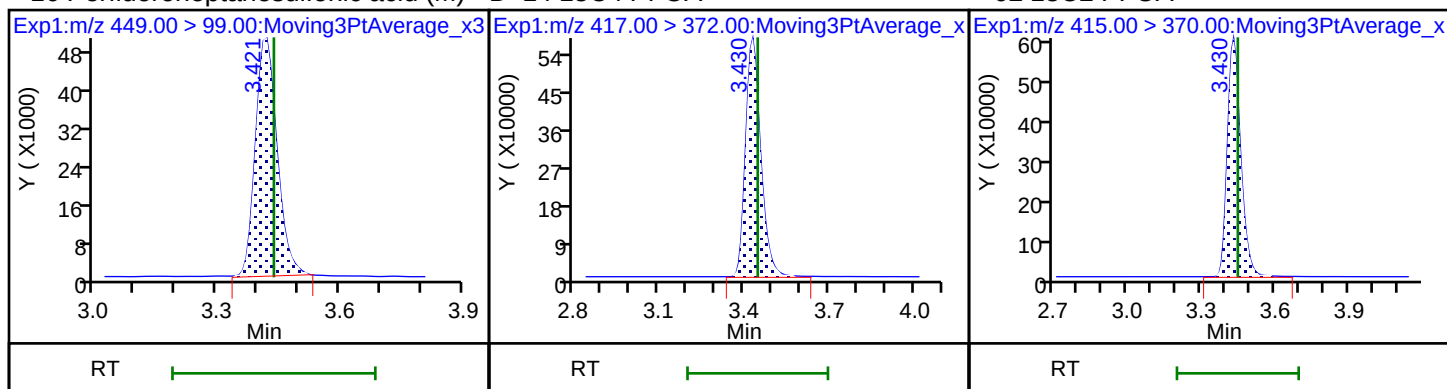
13 1H,1H,2H,2H-perfluorooctanesulfo (M) 16 Perfluoroheptanesulfonic acid (M)



16 Perfluoroheptanesulfonic acid (M)

D 14 13C4 PFOA

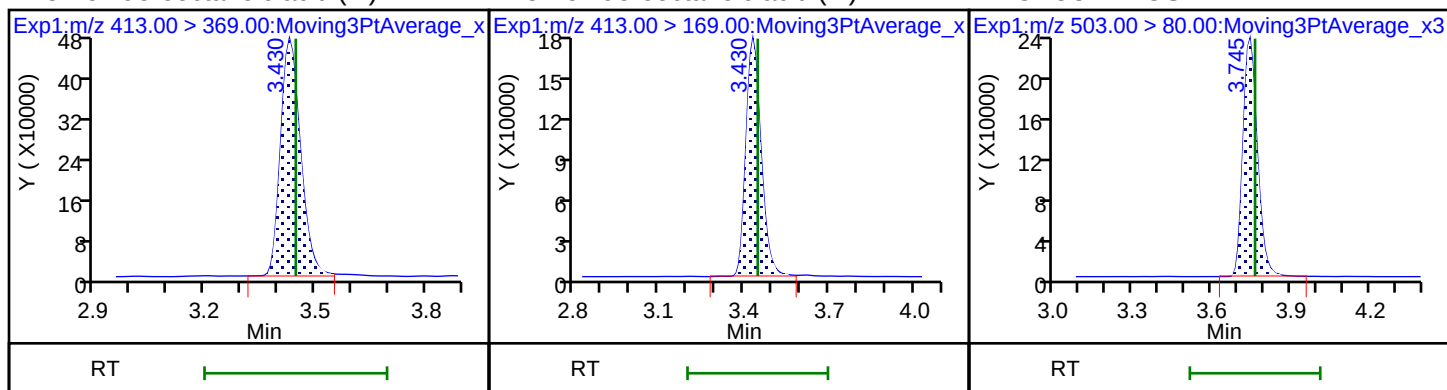
* 62 13C2 PFOA



15 Perfluorooctanoic acid (M)

15 Perfluorooctanoic acid (M)

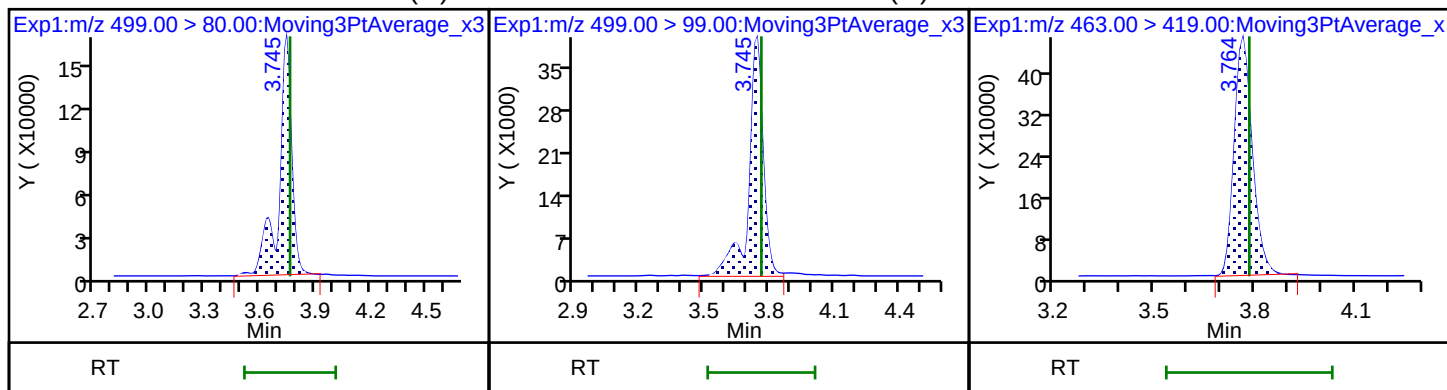
D 18 13C4 PFOS

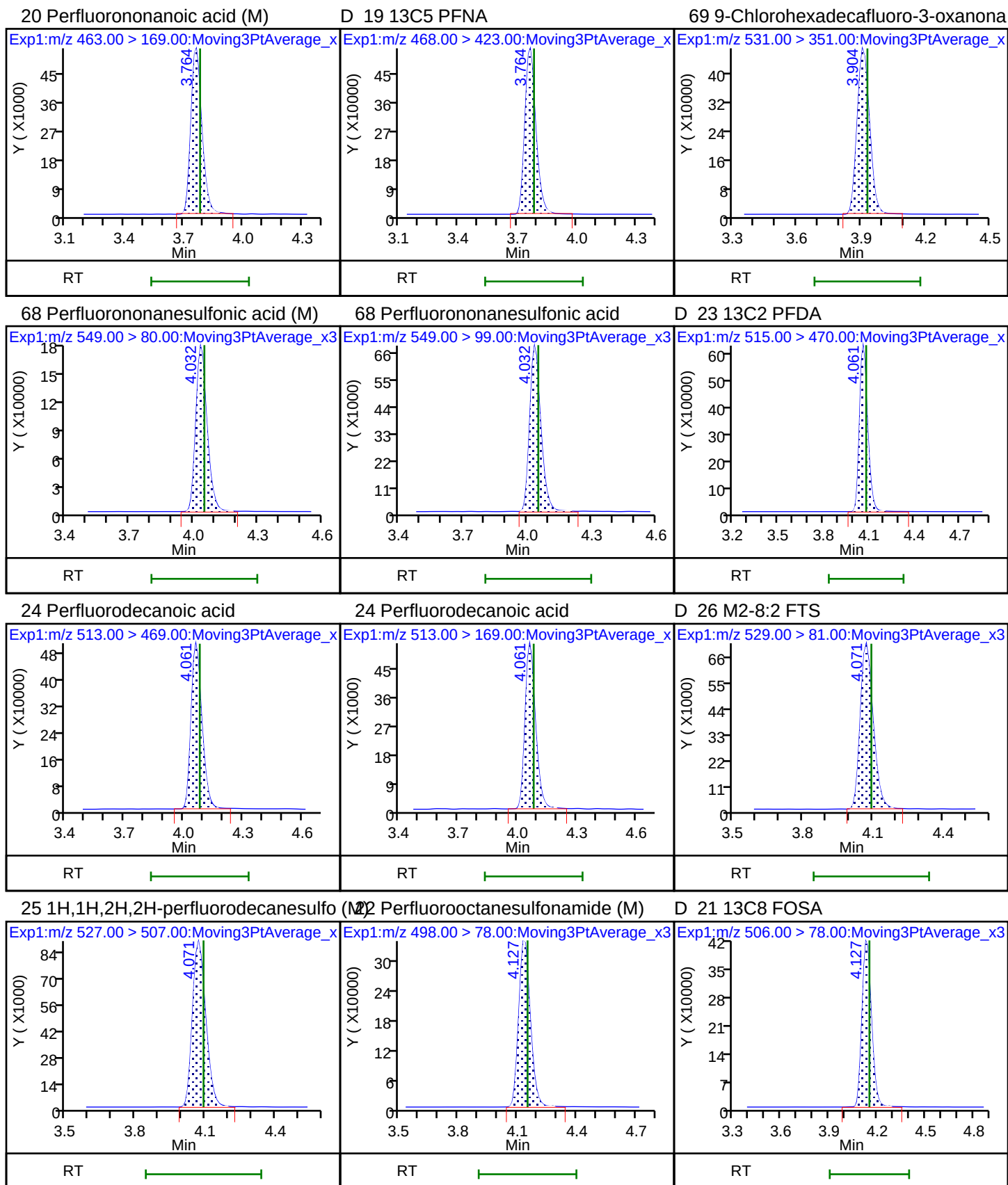


17 Perfluorooctanesulfonic acid (M)

17 Perfluorooctanesulfonic acid (M)

20 Perfluorononanoic acid

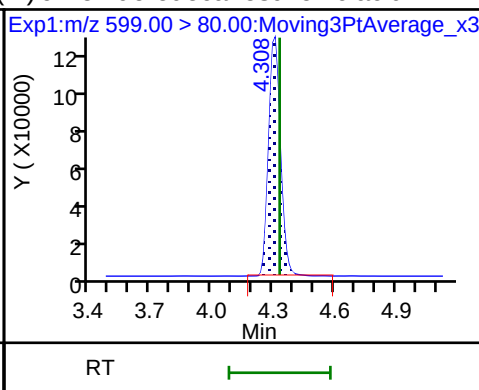
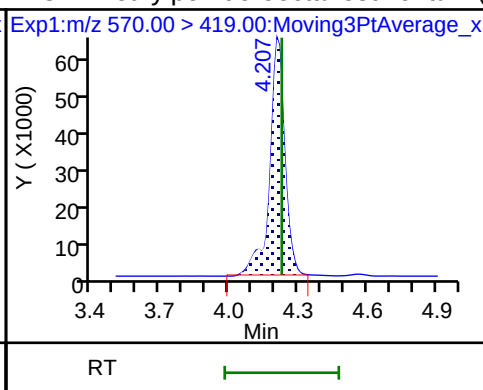
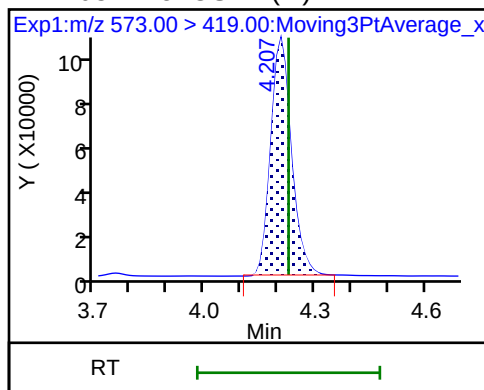




D 27 d3-NMeFOSAA (M)

28 N-methylperfluorooctanesulfonami (M)

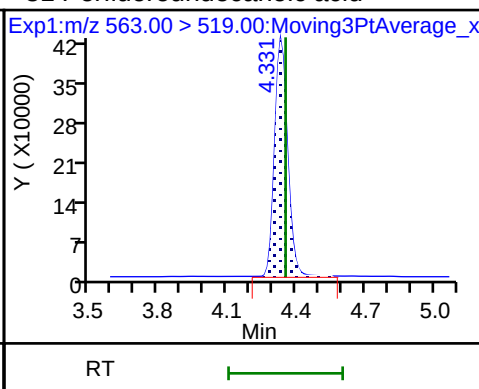
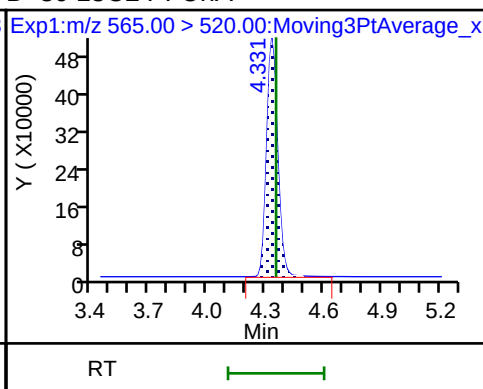
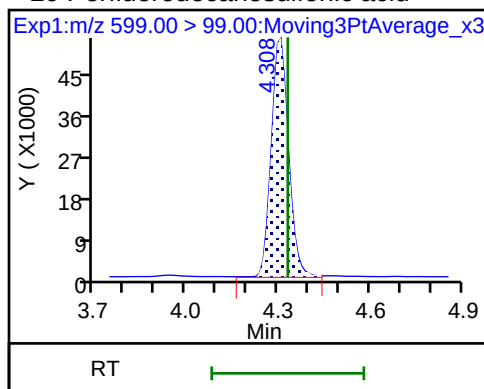
29 Perfluorodecanesulfonic acid



29 Perfluorodecanesulfonic acid

D 30 13C2 PFUnA

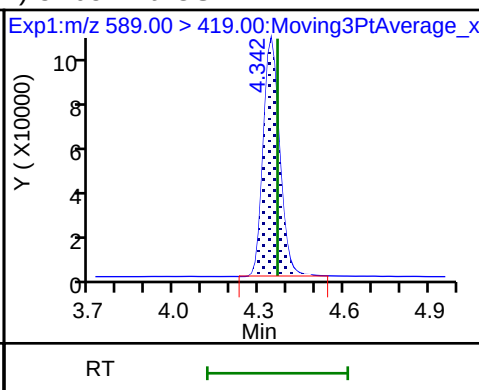
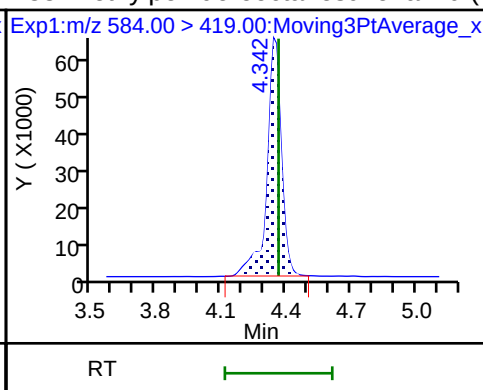
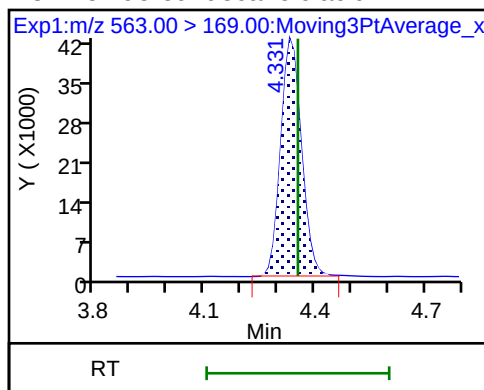
31 Perfluoroundecanoic acid



31 Perfluoroundecanoic acid

33 N-ethylperfluorooctanesulfonamid (M)

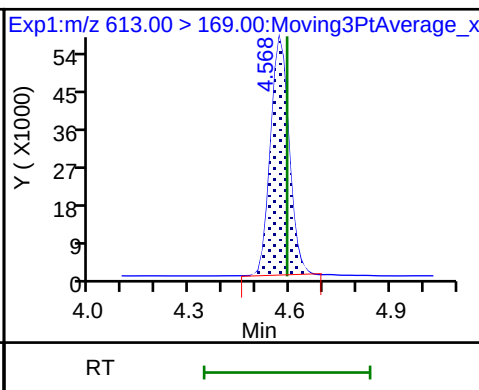
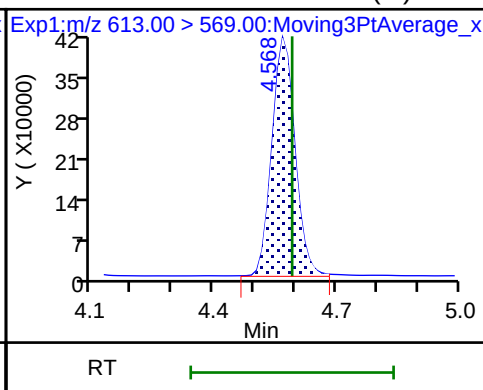
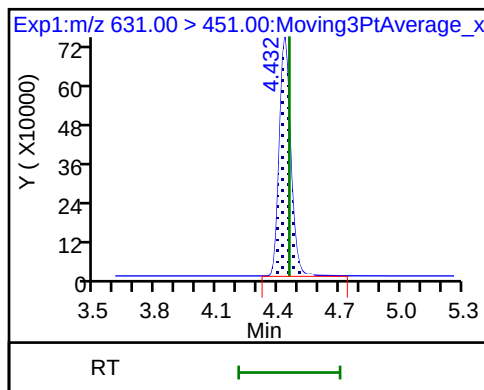
32 d5-NEtFOSAA



66 11-Chloroeicosafluoro-3-oxaundec

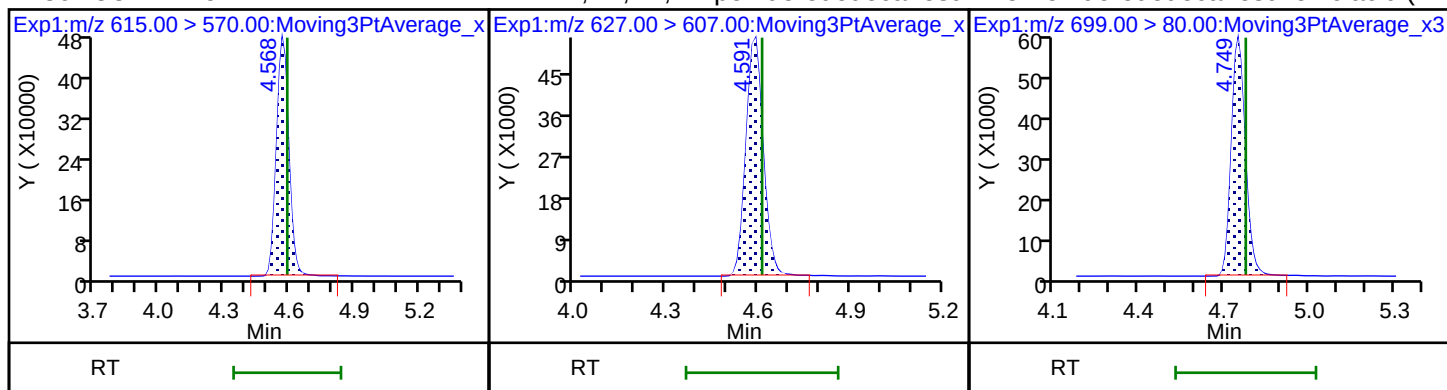
37 Perfluorododecanoic acid (M)

37 Perfluorododecanoic acid



D 36 13C2 PFDaA

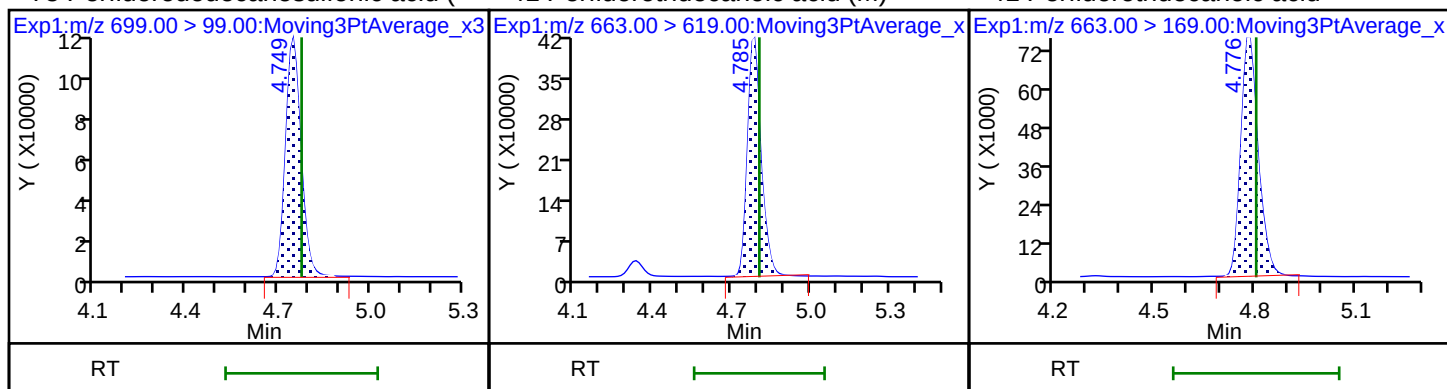
74 1H,1H,2H,2H-perfluorododecanesul 75 Perfluorododecanesulfonic acid (



75 Perfluorododecanesulfonic acid (

41 Perfluorotridecanoic acid (M)

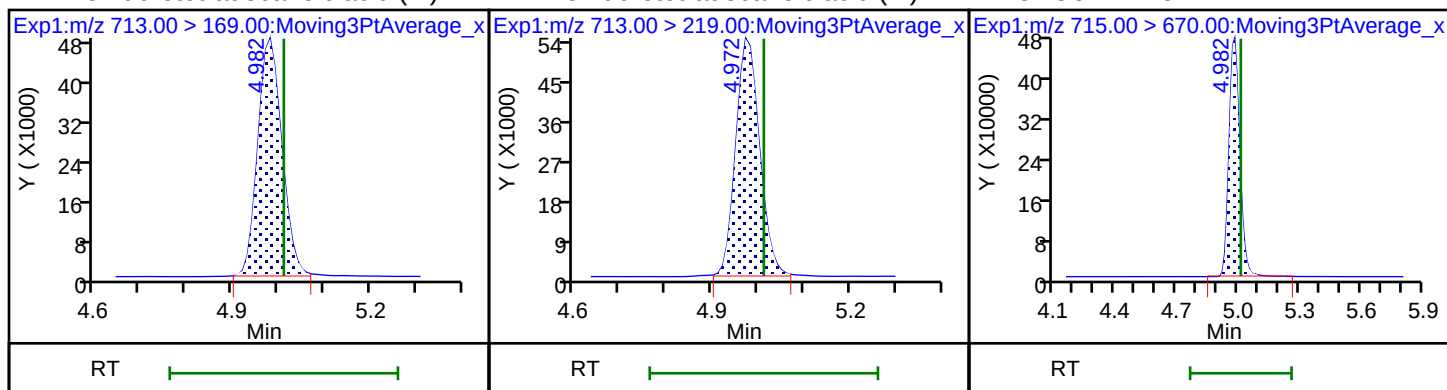
41 Perfluorotridecanoic acid



42 Perfluorotetradecanoic acid (M)

42 Perfluorotetradecanoic acid (M)

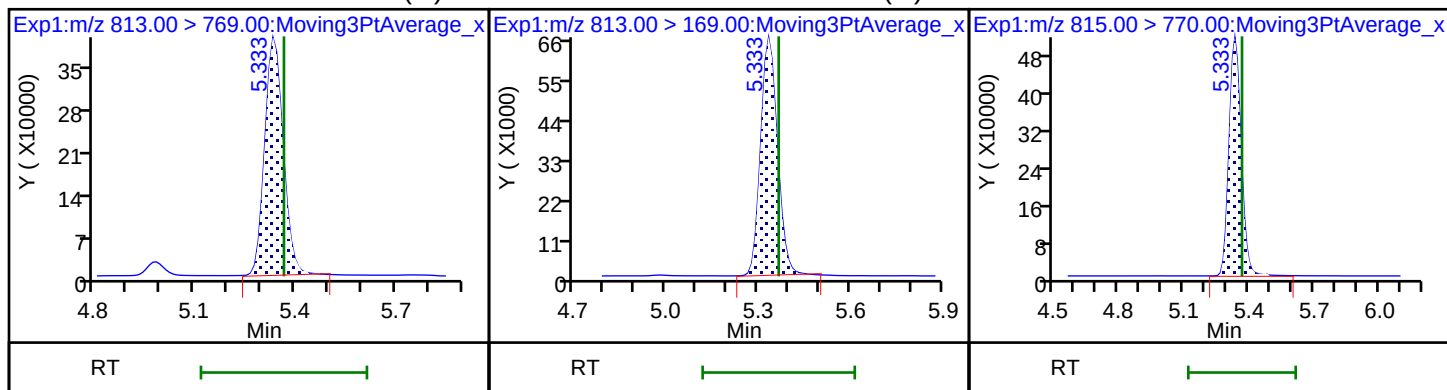
D 43 13C2 PFTeDA



45 Perfluorohexadecanoic acid (M)

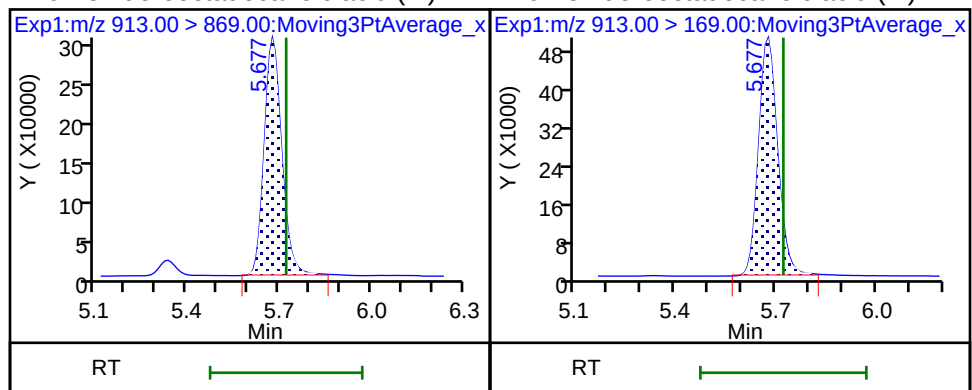
45 Perfluorohexadecanoic acid (M)

D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)

46 Perfluorooctadecanoic acid (M)



Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A10.d

Injection Date: 30-Nov-2022 10:30:12

Instrument ID: LC812

Lims ID: 460-269761-A-1-F MSD

Client ID:

Operator ID: lc812tech

ALS Bottle#:

7

Worklist Smp#: 10

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

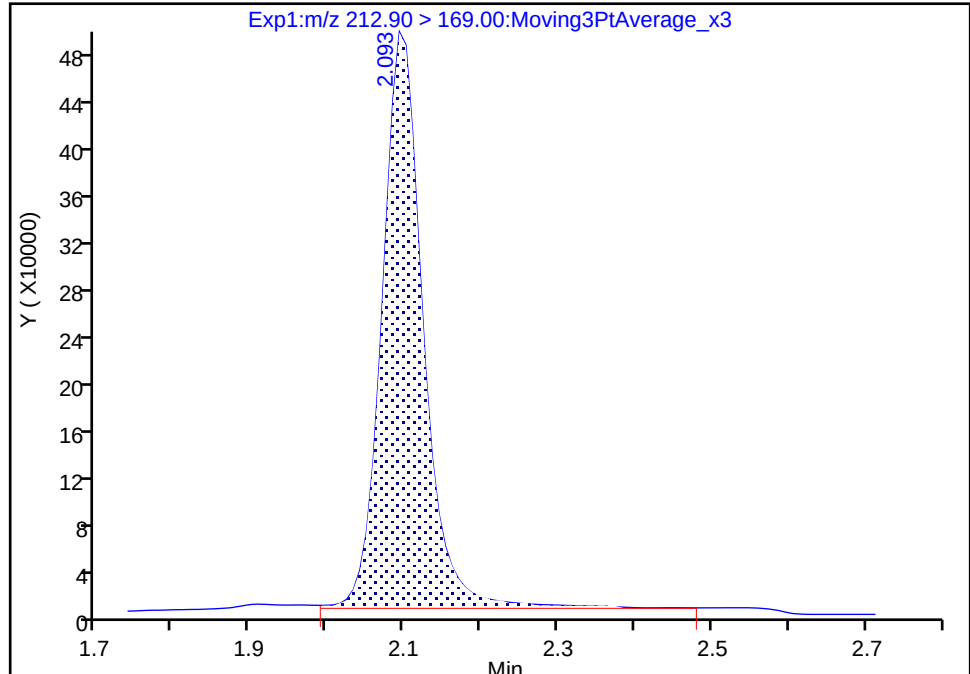
EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

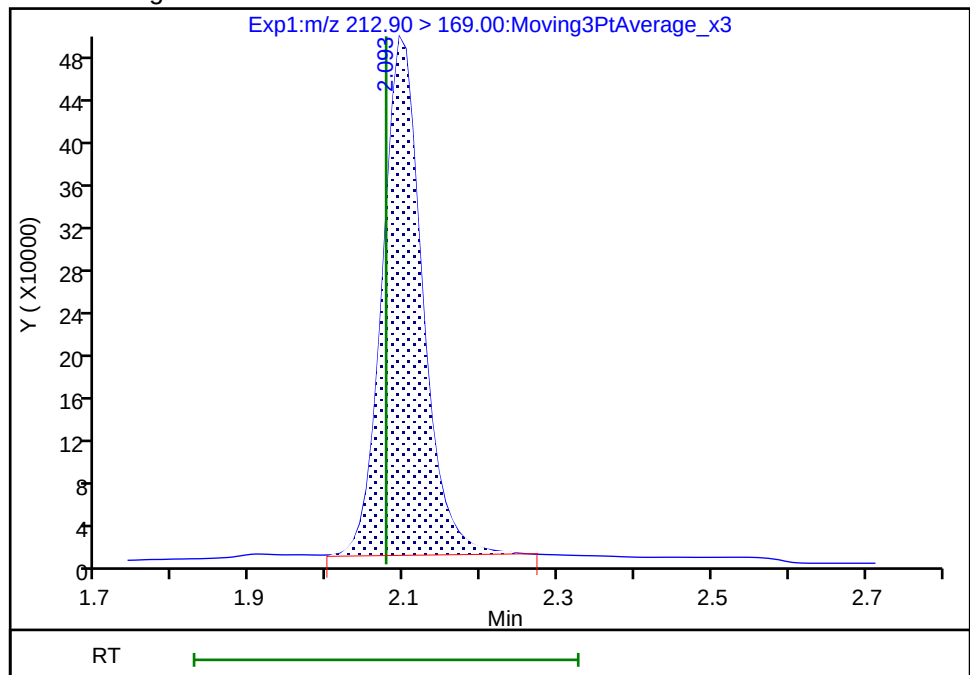
RT: 2.09
Area: 1842592
Amount: 1.014526
Amount Units: ng/ml

Processing Integration Results



RT: 2.09
Area: 1772073
Amount: 0.975698
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:38:36

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

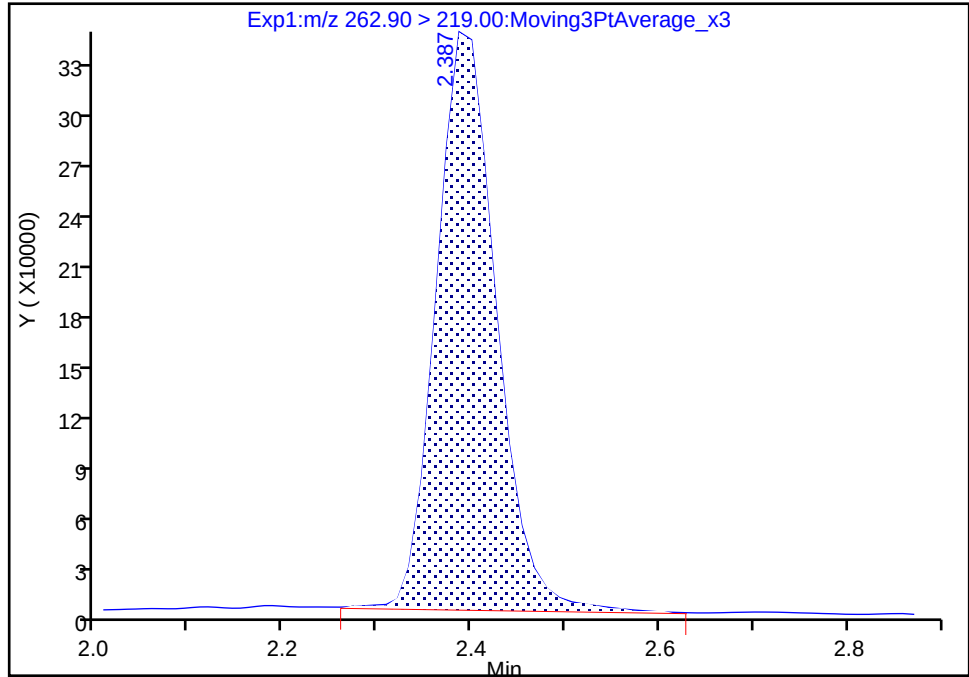
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Injection Date: 30-Nov-2022 10:30:12 Instrument ID: LC812
Lims ID: 460-269761-A-1-F MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

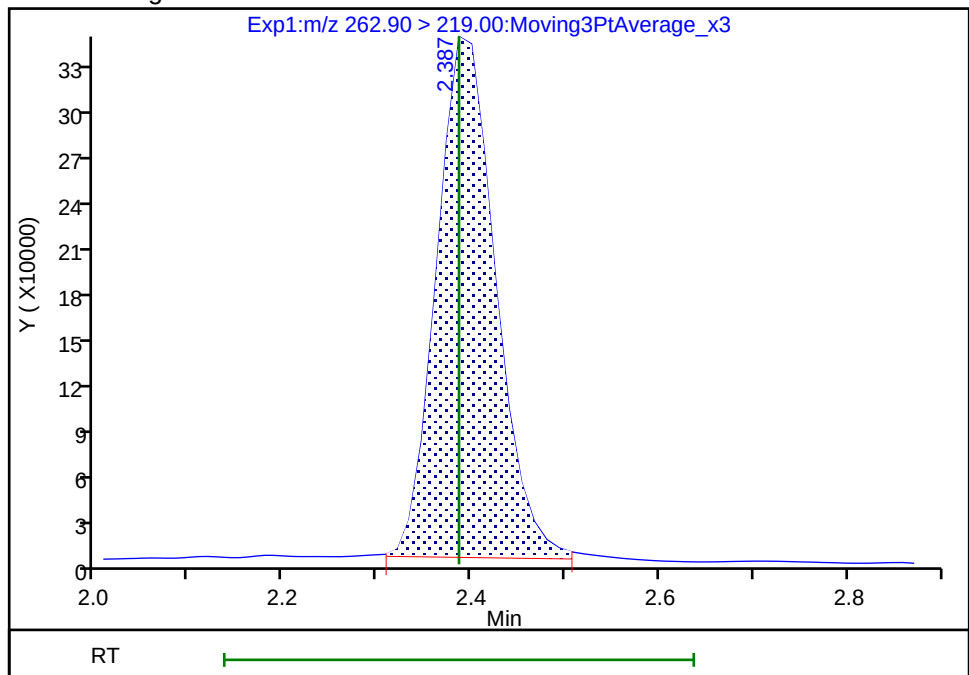
RT: 2.39
Area: 1495125
Amount: 0.987820
Amount Units: ng/ml

Processing Integration Results



RT: 2.39
Area: 1479505
Amount: 0.977500
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:38:43

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

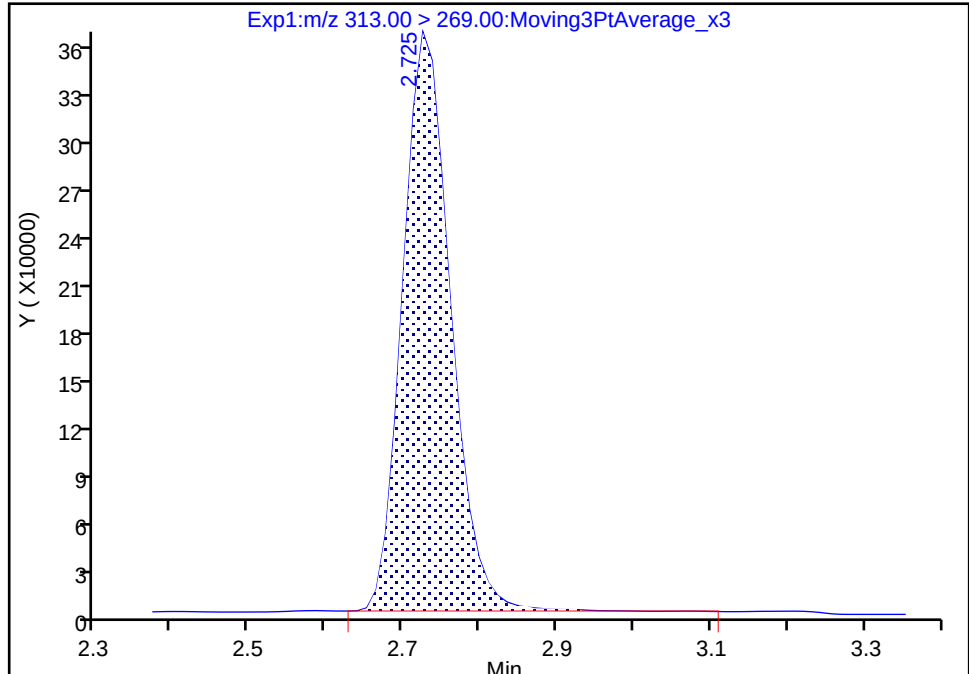
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Injection Date: 30-Nov-2022 10:30:12 Instrument ID: LC812
Lims ID: 460-269761-A-1-F MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

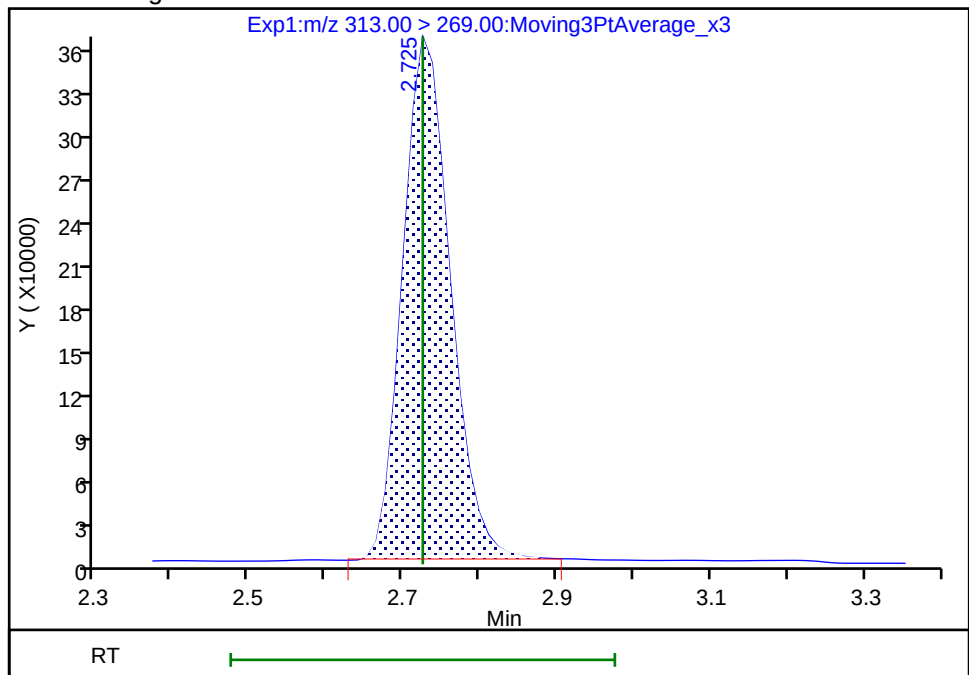
RT: 2.73
Area: 1562729
Amount: 0.968230
Amount Units: ng/ml

Processing Integration Results



RT: 2.73
Area: 1548146
Amount: 0.959194
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:38:56

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

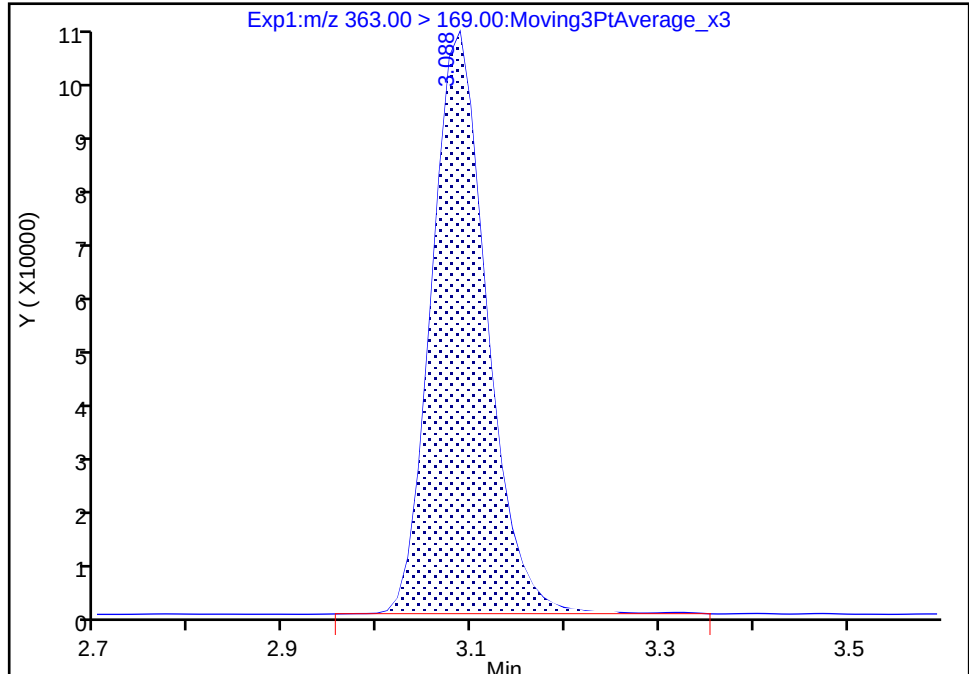
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Injection Date: 30-Nov-2022 10:30:12 Instrument ID: LC812
Lims ID: 460-269761-A-1-F MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

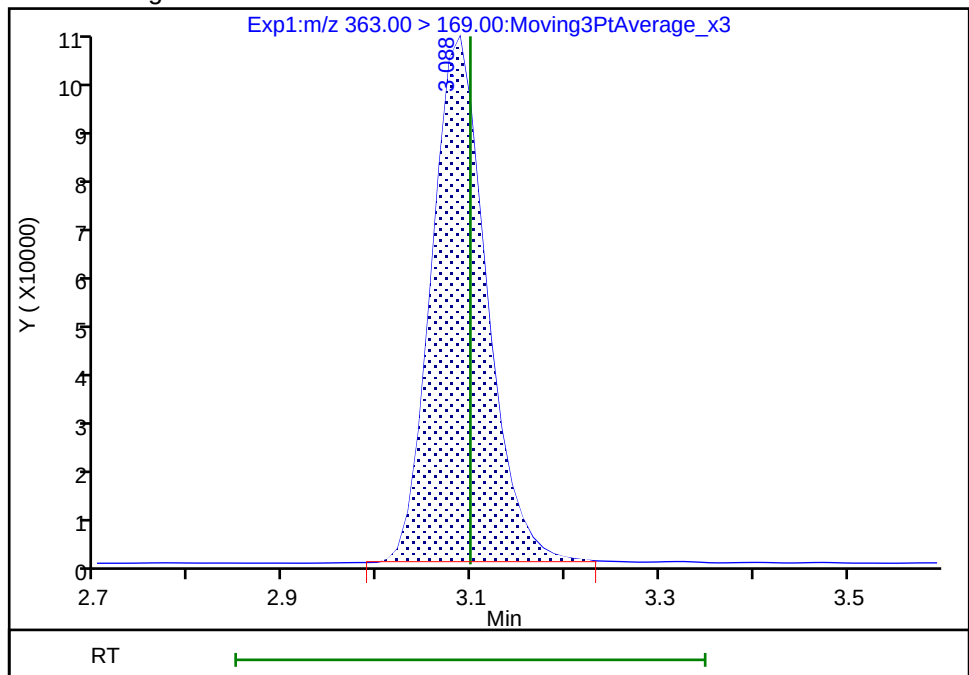
RT: 3.09
Area: 429897
Amount: 0.990097
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 425130
Amount: 0.978402
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:39:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

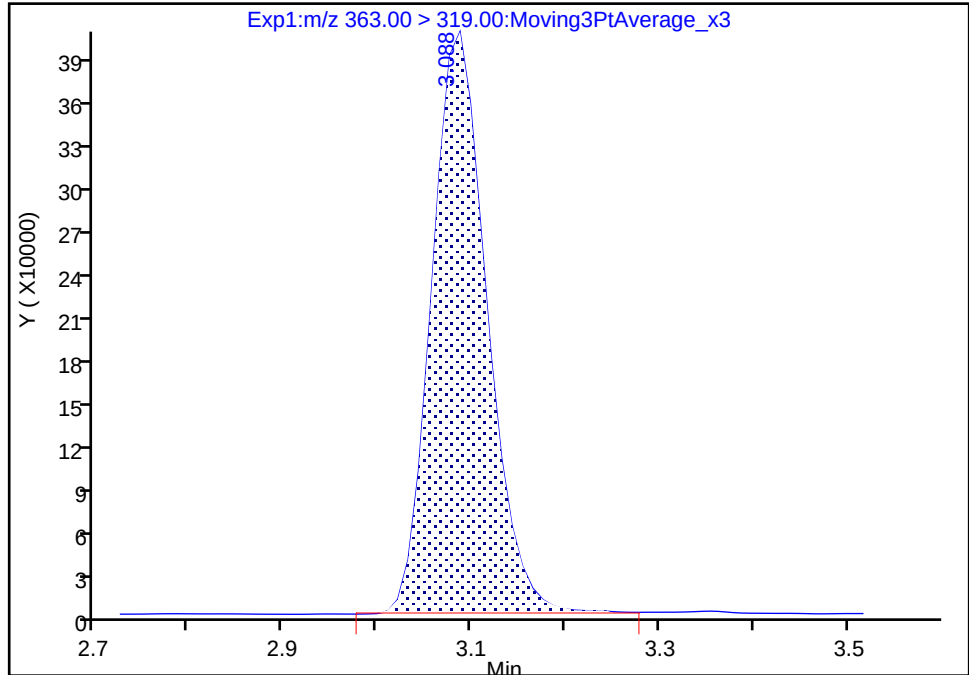
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Injection Date: 30-Nov-2022 10:30:12 Instrument ID: LC812
Lims ID: 460-269761-A-1-F MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

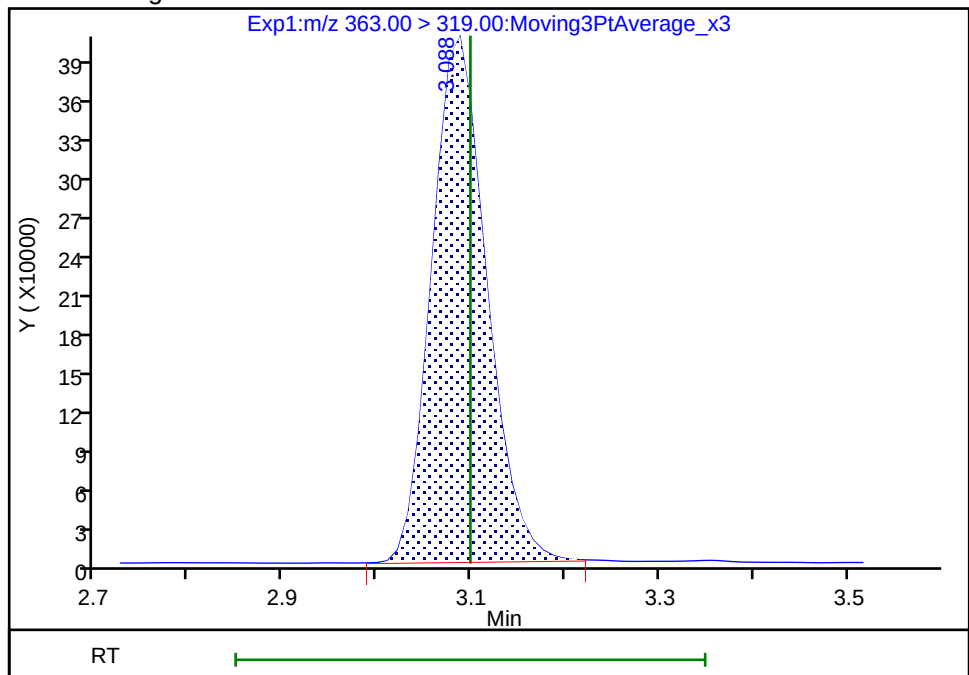
RT: 3.09
Area: 1670055
Amount: 0.990097
Amount Units: ng/ml

Processing Integration Results



RT: 3.09
Area: 1650329
Amount: 0.978402
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:39:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 862 of 90012/2/2022 2:28
PM

Eurofins Burlington

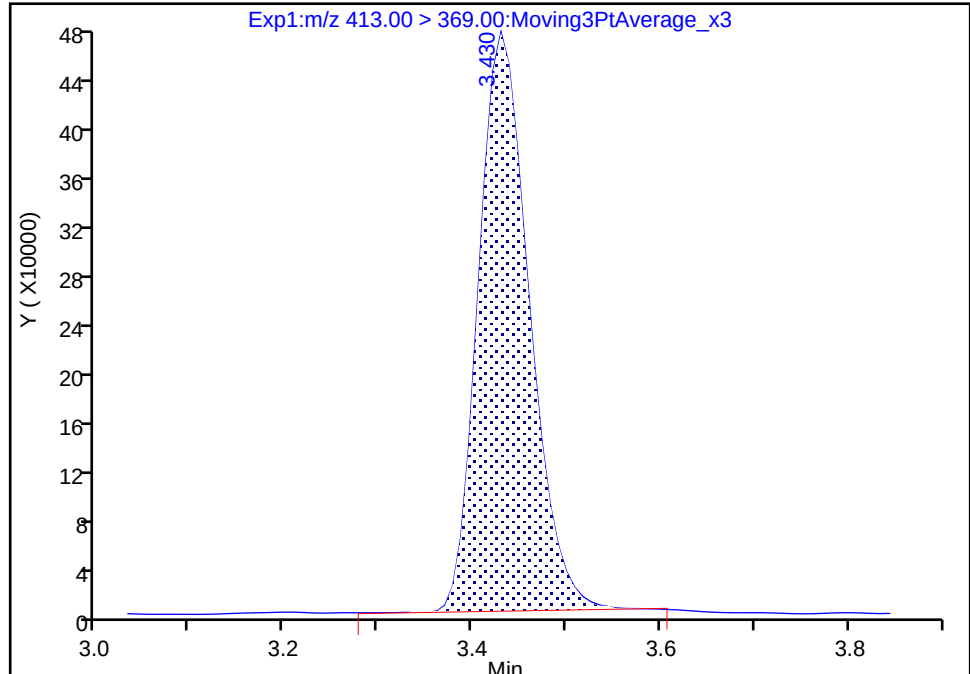
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Injection Date: 30-Nov-2022 10:30:12 Instrument ID: LC812
Lims ID: 460-269761-A-1-F MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

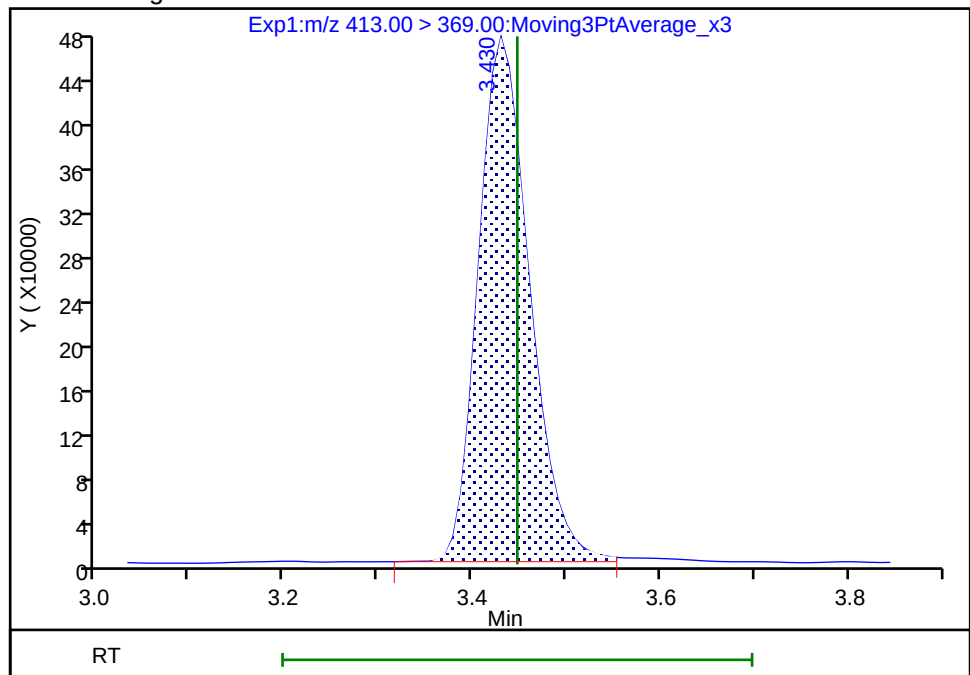
RT: 3.43
Area: 1765857
Amount: 0.969259
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 1777372
Amount: 0.975579
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:40:14

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

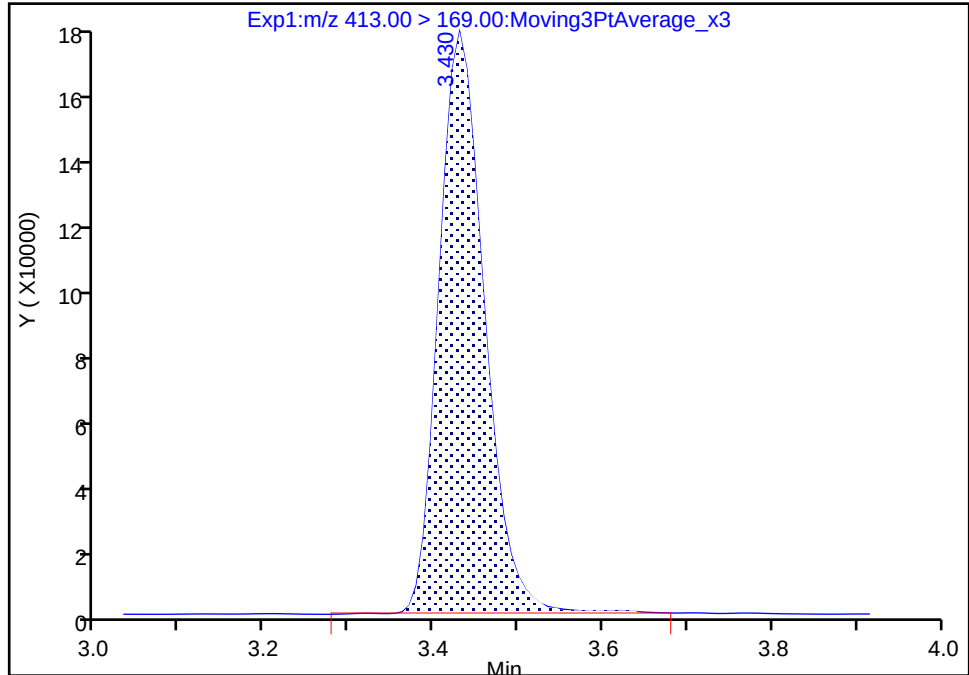
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A10.d
Injection Date: 30-Nov-2022 10:30:12 Instrument ID: LC812
Lims ID: 460-269761-A-1-F MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

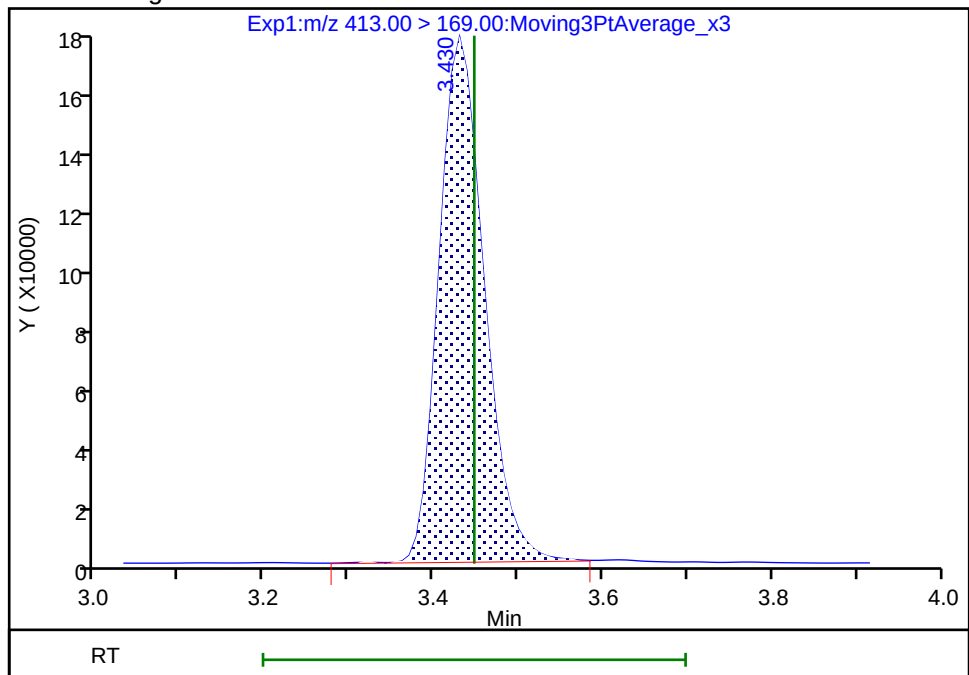
RT: 3.43
Area: 662550
Amount: 0.969259
Amount Units: ng/ml

Processing Integration Results



RT: 3.43
Area: 659767
Amount: 0.975579
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:40:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 864 of 90012/2/2022 2:28
PM

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A10.d

Injection Date: 30-Nov-2022 10:30:12

Instrument ID: LC812

Lims ID: 460-269761-A-1-F MSD

Client ID:

Operator ID: lc812tech

ALS Bottle#:

7

Worklist Smp#: 10

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

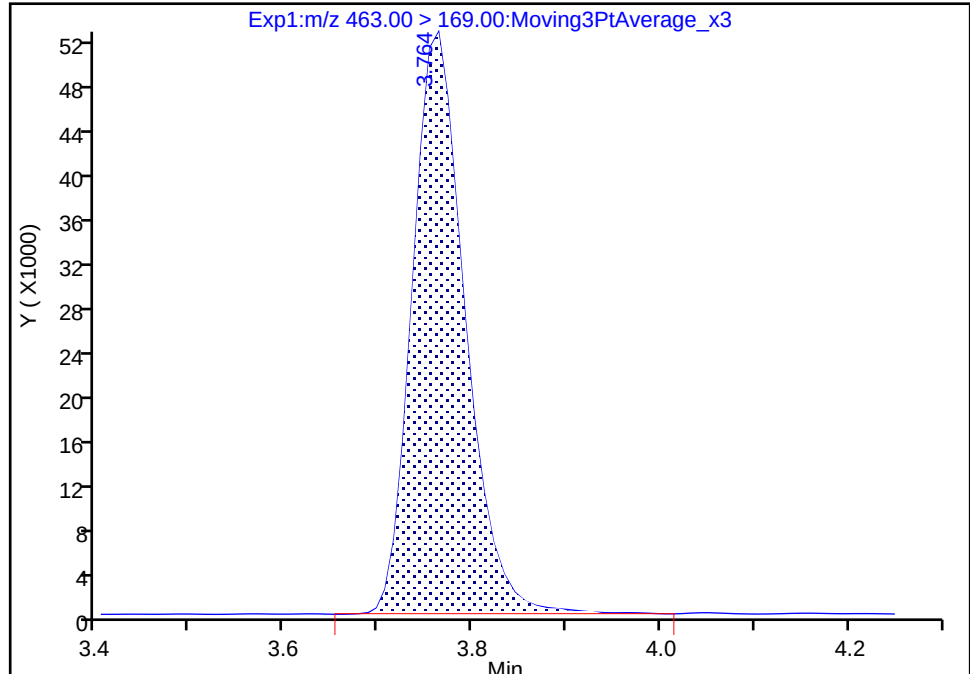
EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

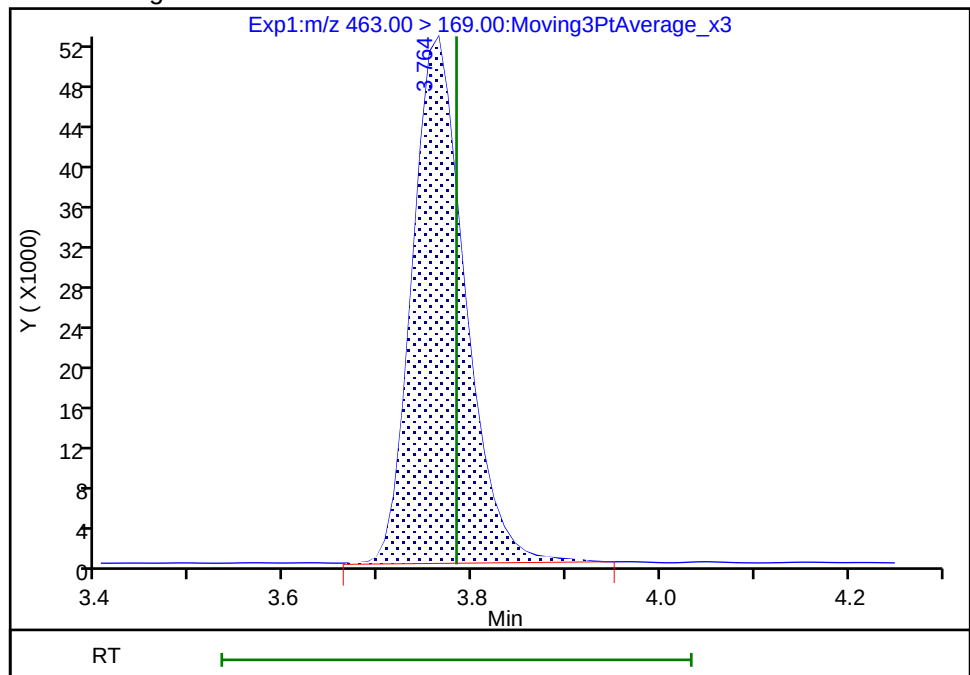
RT: 3.76
Area: 205119
Amount: 1.031432
Amount Units: ng/ml

Processing Integration Results



RT: 3.76
Area: 203964
Amount: 1.031432
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:41:08

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

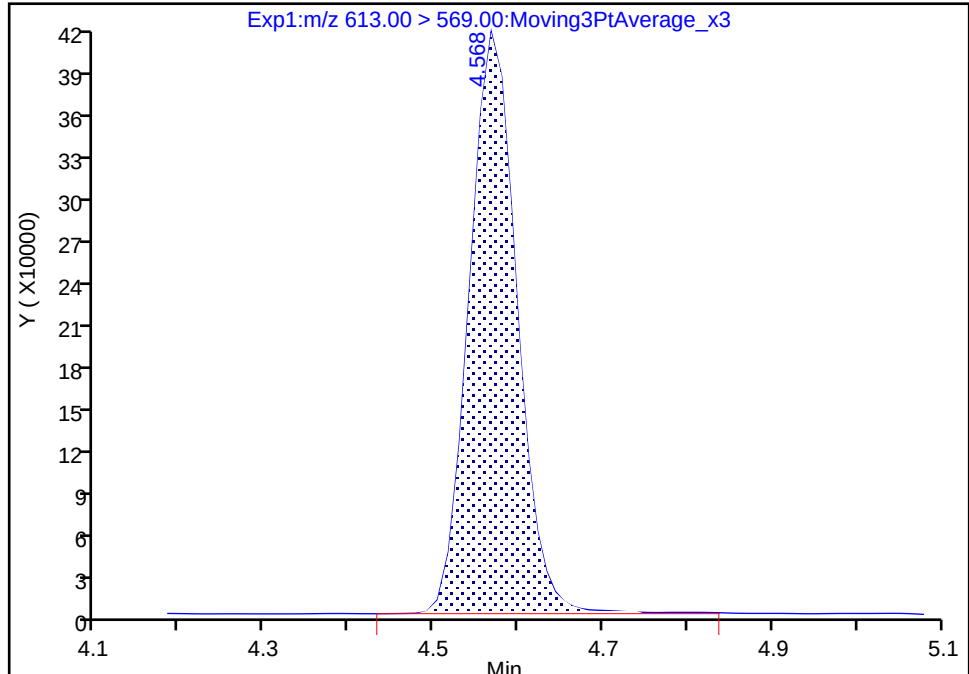
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A10.d
Injection Date: 30-Nov-2022 10:30:12 Instrument ID: LC812
Lims ID: 460-269761-A-1-F MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

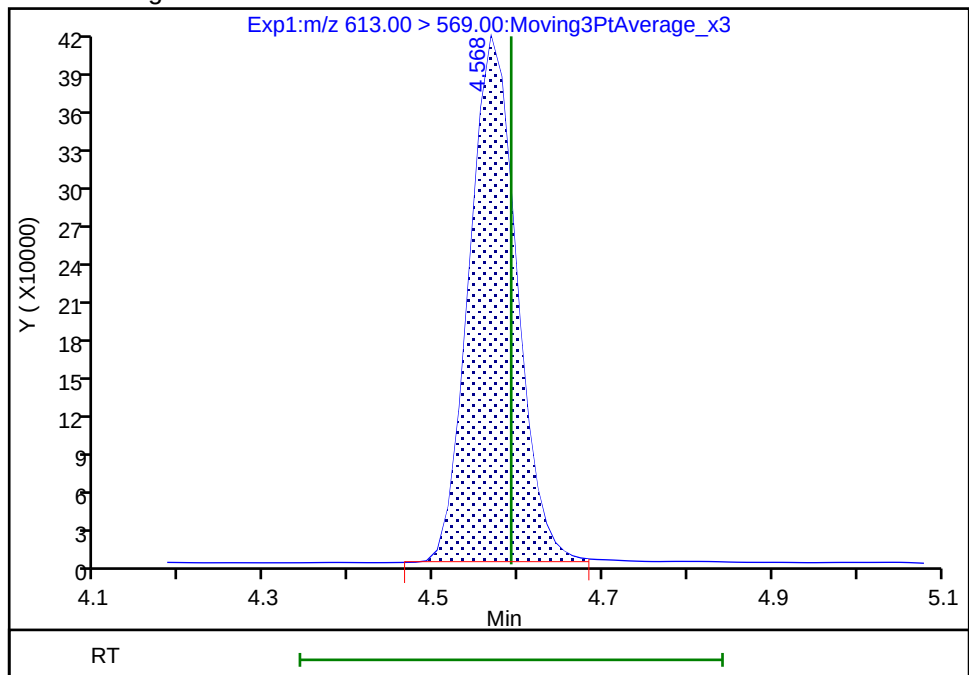
RT: 4.57
Area: 1618521
Amount: 1.009330
Amount Units: ng/ml

Processing Integration Results



RT: 4.57
Area: 1608341
Amount: 1.002981
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:42:05

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

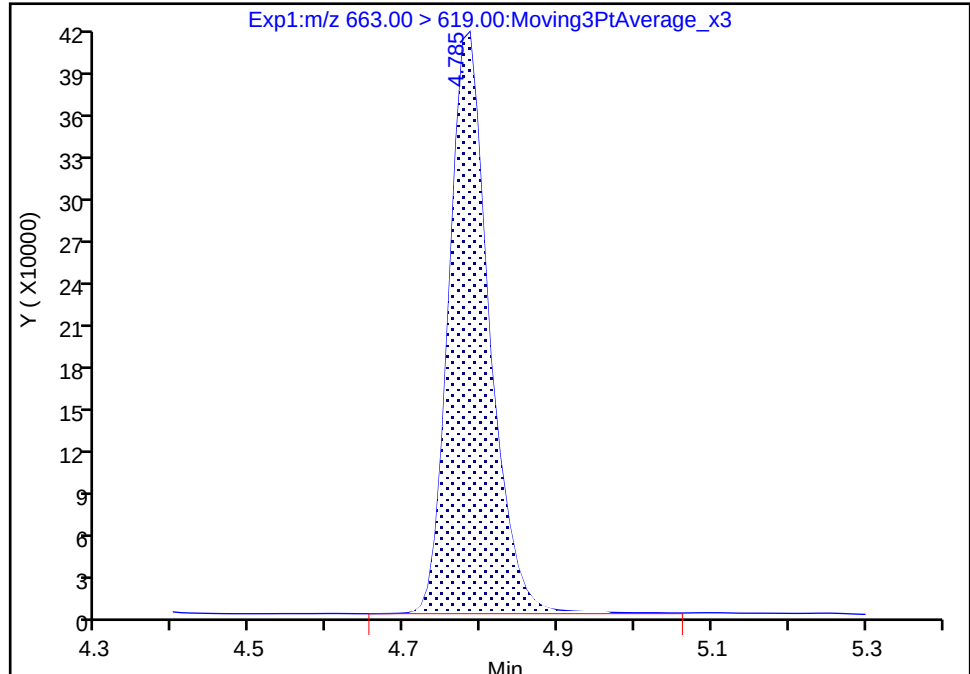
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A10.d
Injection Date: 30-Nov-2022 10:30:12 Instrument ID: LC812
Lims ID: 460-269761-A-1-F MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

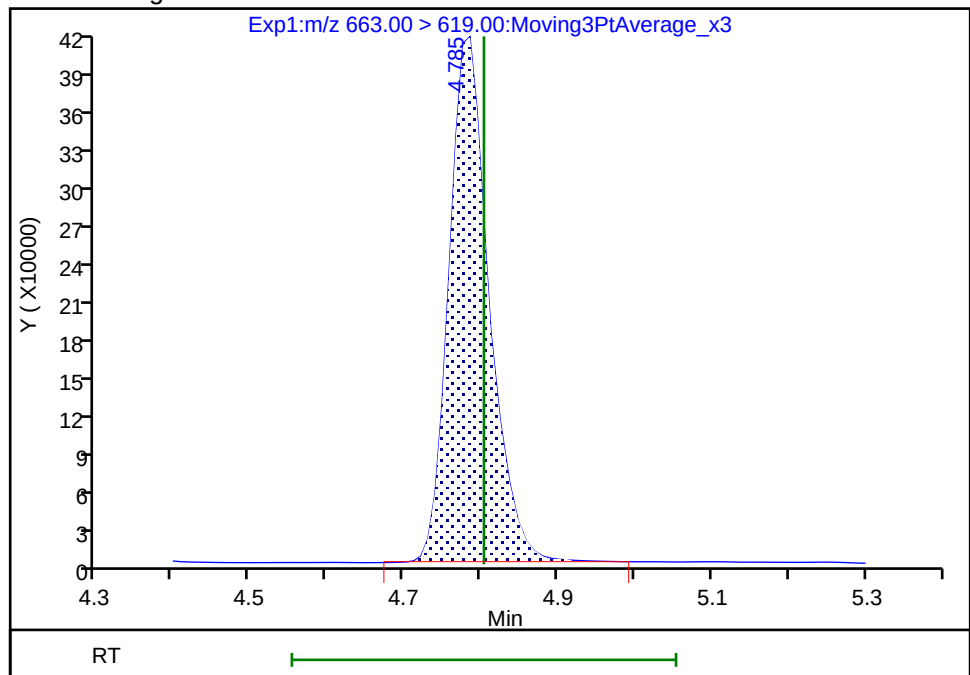
RT: 4.79
Area: 1489603
Amount: 0.971322
Amount Units: ng/ml

Processing Integration Results



RT: 4.79
Area: 1485251
Amount: 0.968484
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:42:13

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A10.d

Injection Date: 30-Nov-2022 10:30:12

Instrument ID: LC812

Lims ID: 460-269761-A-1-F MSD

Client ID:

Operator ID: lc812tech

ALS Bottle#:

7

Worklist Smp#: 10

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

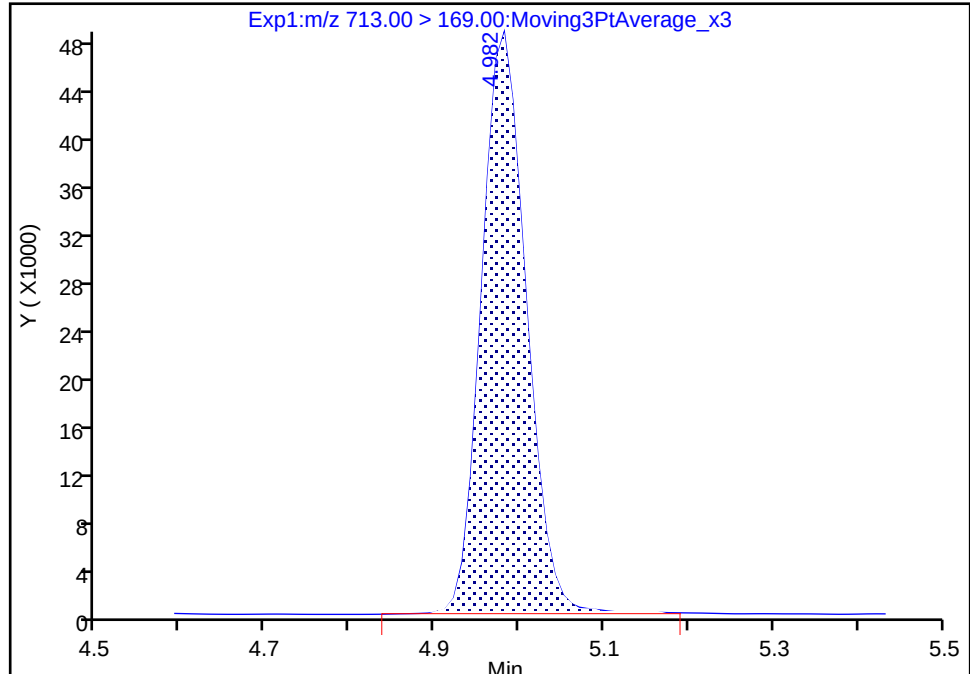
EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

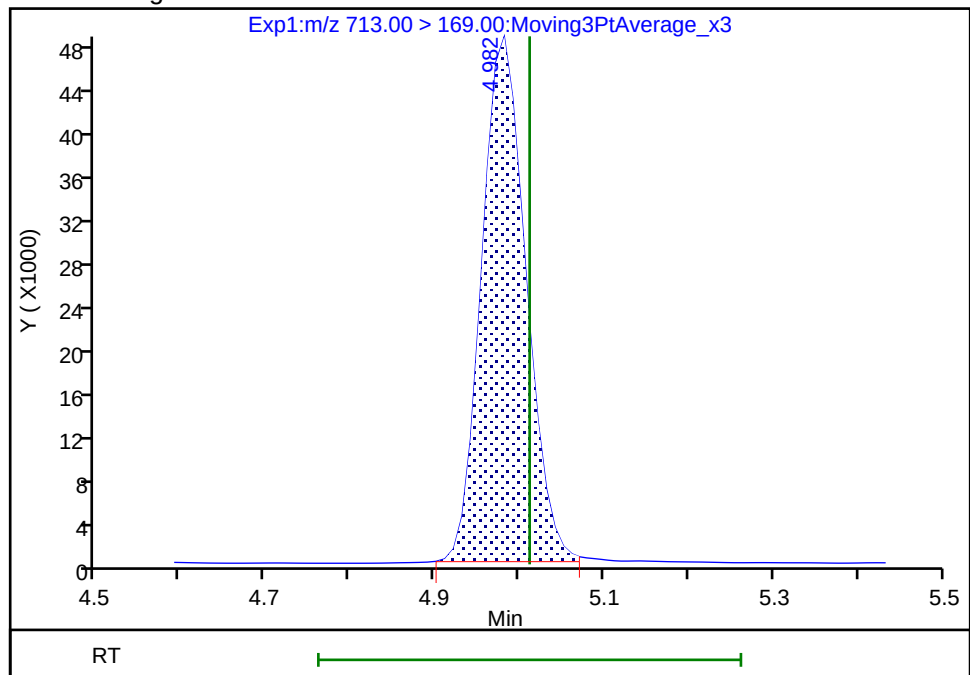
RT: 4.98
Area: 179199
Amount: 0.953468
Amount Units: ng/ml

Processing Integration Results



RT: 4.98
Area: 177963
Amount: 0.946892
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:42:26

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

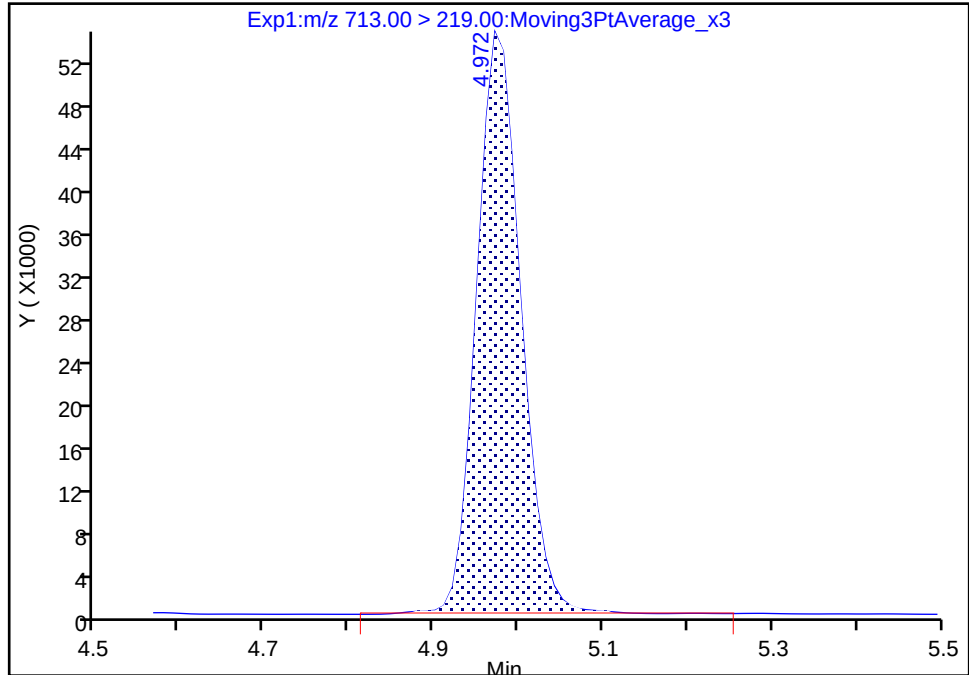
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A10.d
Injection Date: 30-Nov-2022 10:30:12 Instrument ID: LC812
Lims ID: 460-269761-A-1-F MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

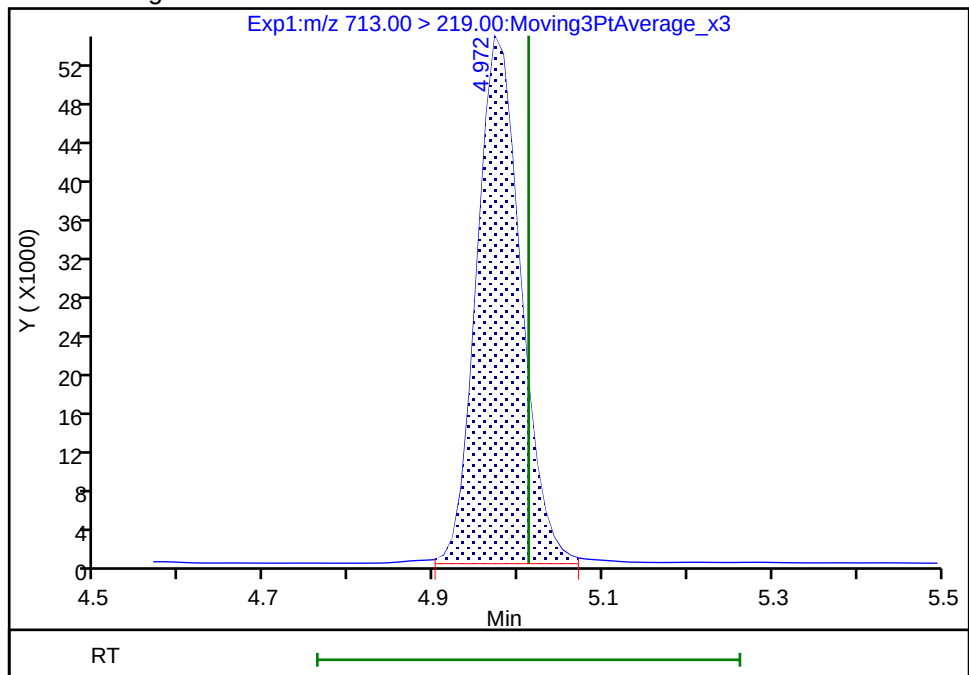
RT: 4.97
Area: 198100
Amount: 0.953468
Amount Units: ng/ml

Processing Integration Results



RT: 4.97
Area: 195903
Amount: 0.946892
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:42:29

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

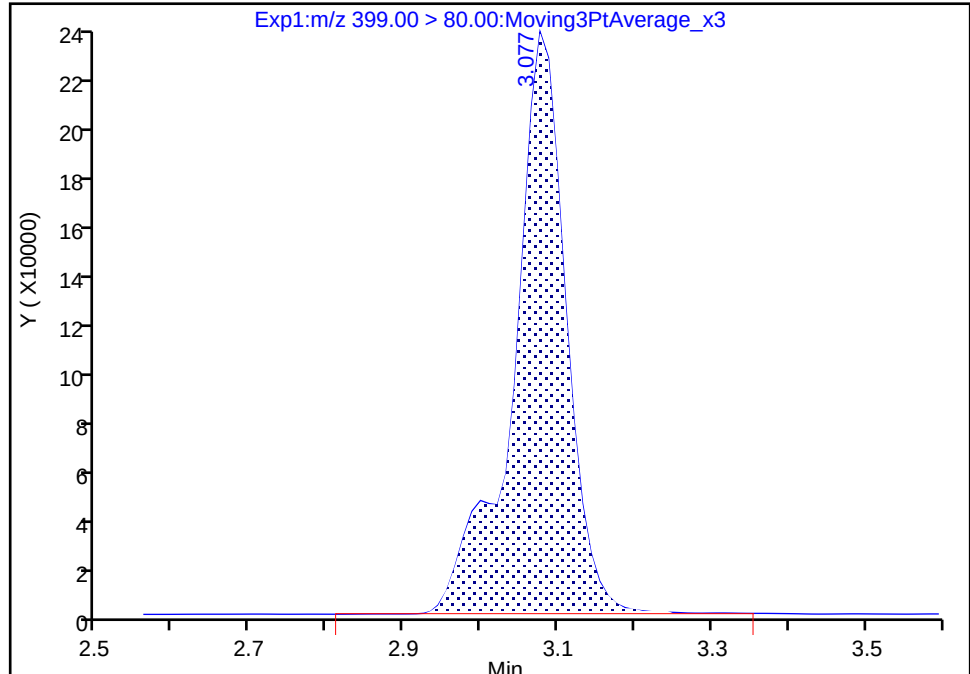
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A10.d
Injection Date: 30-Nov-2022 10:30:12 Instrument ID: LC812
Lims ID: 460-269761-A-1-F MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

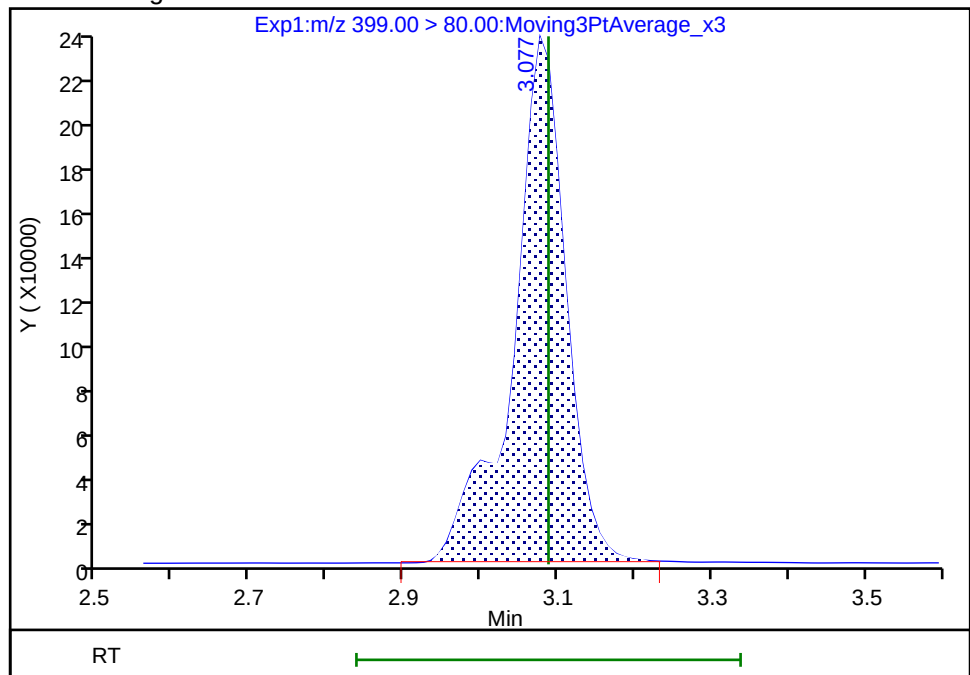
RT: 3.08
Area: 1106405
Amount: 0.903125
Amount Units: ng/ml

Processing Integration Results



RT: 3.08
Area: 1102611
Amount: 0.900028
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:39:16

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A10.d

Injection Date: 30-Nov-2022 10:30:12

Instrument ID: LC812

Lims ID: 460-269761-A-1-F MSD

Client ID:

Operator ID: lc812tech

ALS Bottle#:

7

Worklist Smp#: 10

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

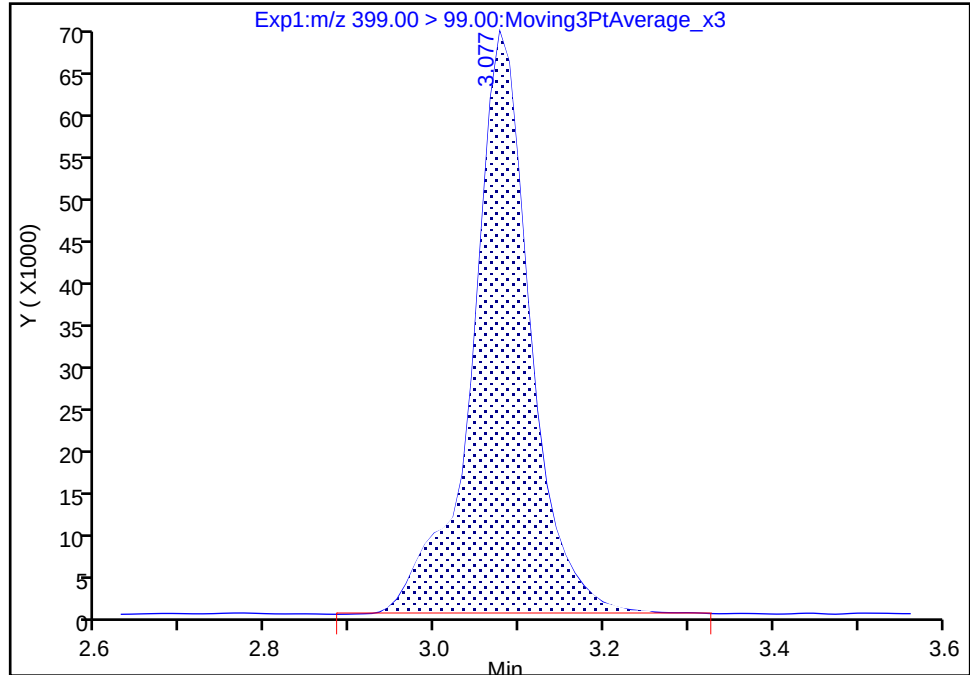
EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

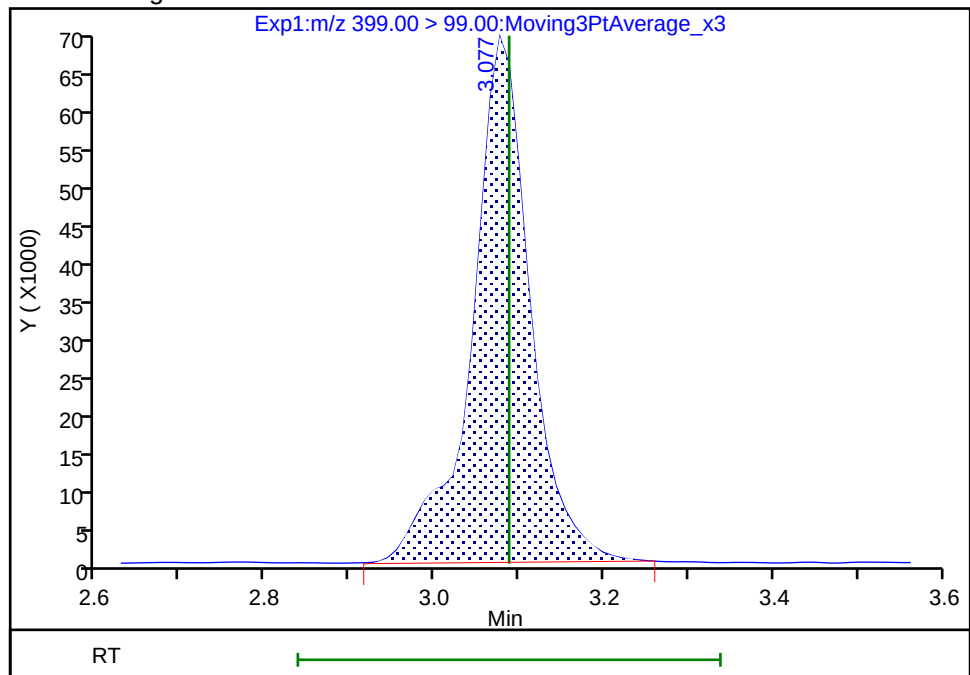
RT: 3.08
Area: 334574
Amount: 0.903125
Amount Units: ng/ml

Processing Integration Results



RT: 3.08
Area: 331539
Amount: 0.900028
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:39:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A10.d

Injection Date: 30-Nov-2022 10:30:12

Instrument ID: LC812

Lims ID: 460-269761-A-1-F MSD

Client ID:

Operator ID: lc812tech

ALS Bottle#:

7

Worklist Smp#: 10

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

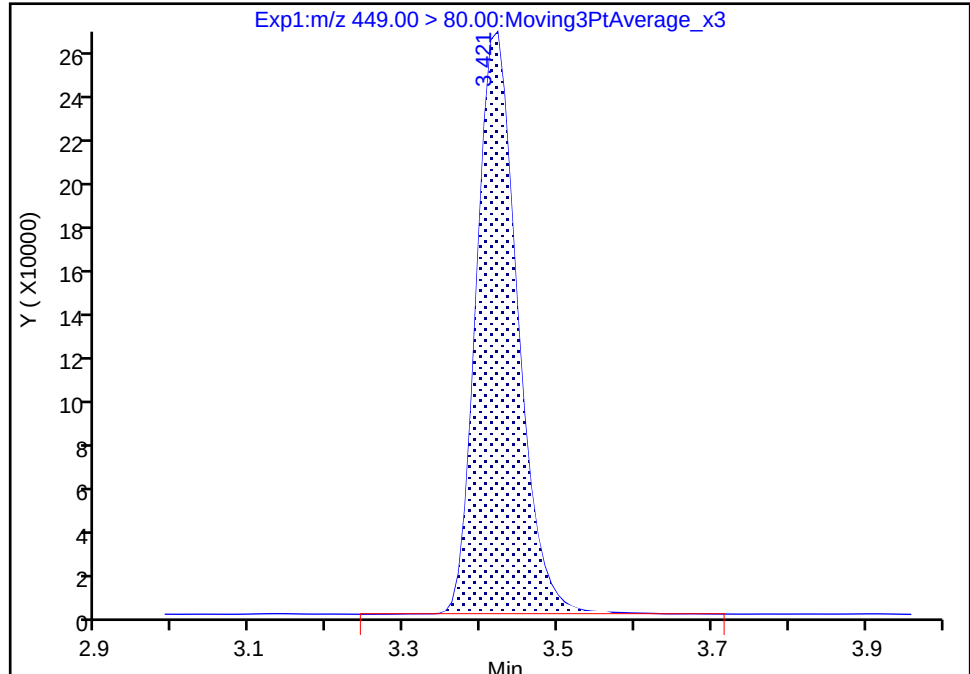
EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

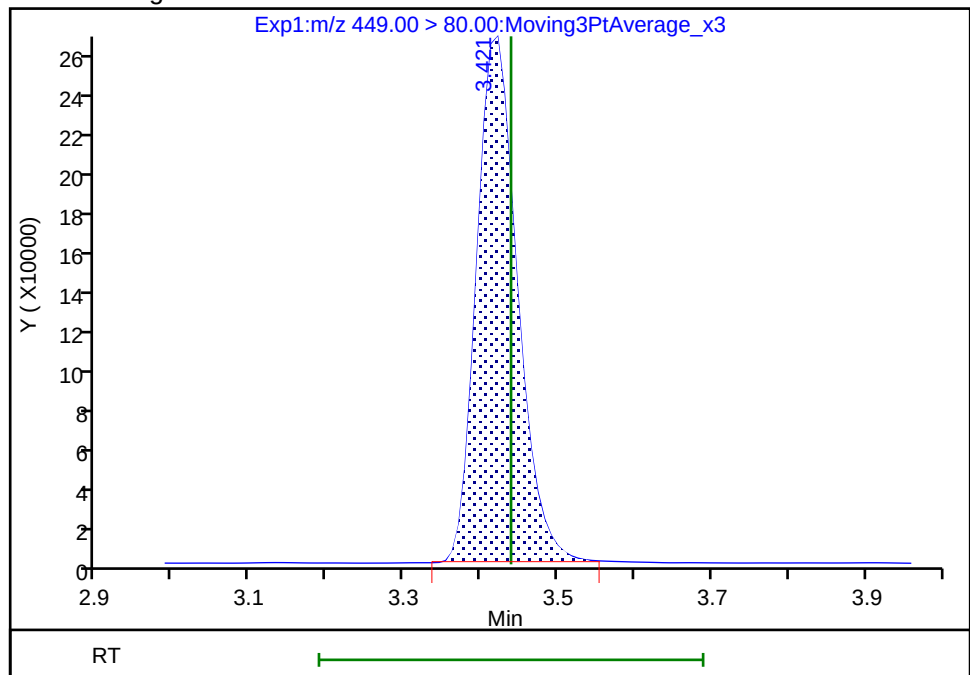
RT: 3.42
Area: 973268
Amount: 0.936888
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 967472
Amount: 0.931309
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:39:47

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

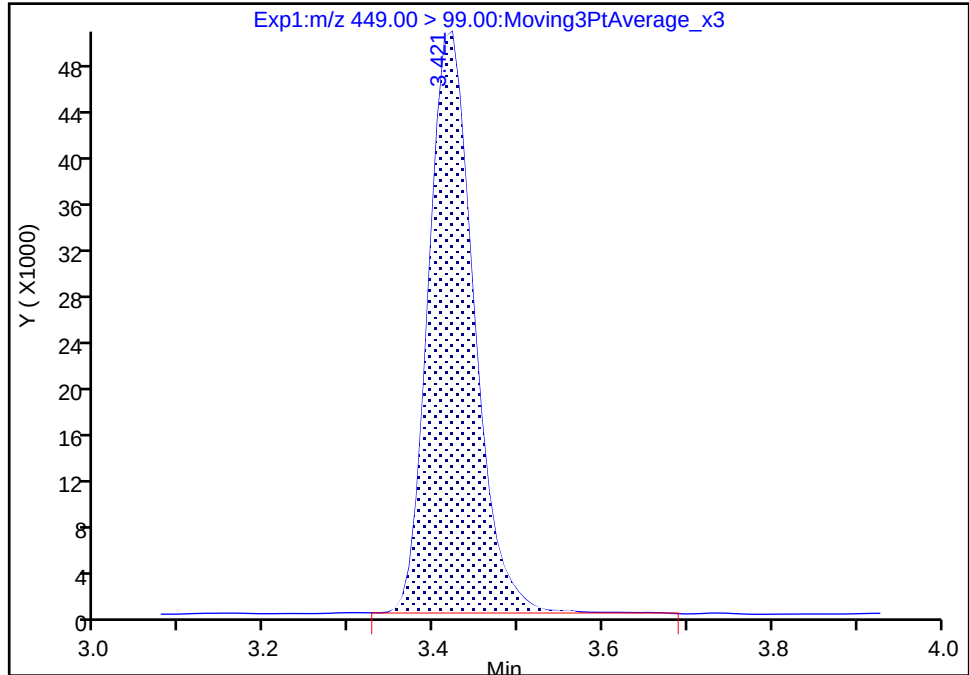
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A10.d
Injection Date: 30-Nov-2022 10:30:12 Instrument ID: LC812
Lims ID: 460-269761-A-1-F MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

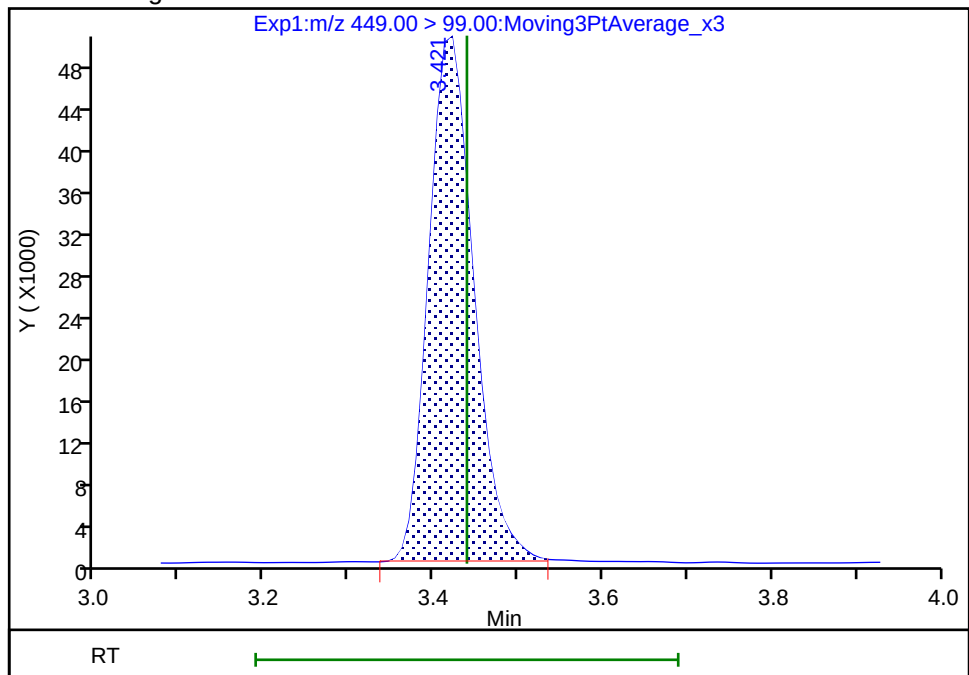
RT: 3.42
Area: 190018
Amount: 0.936888
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 187157
Amount: 0.931309
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:39:55

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Burlington

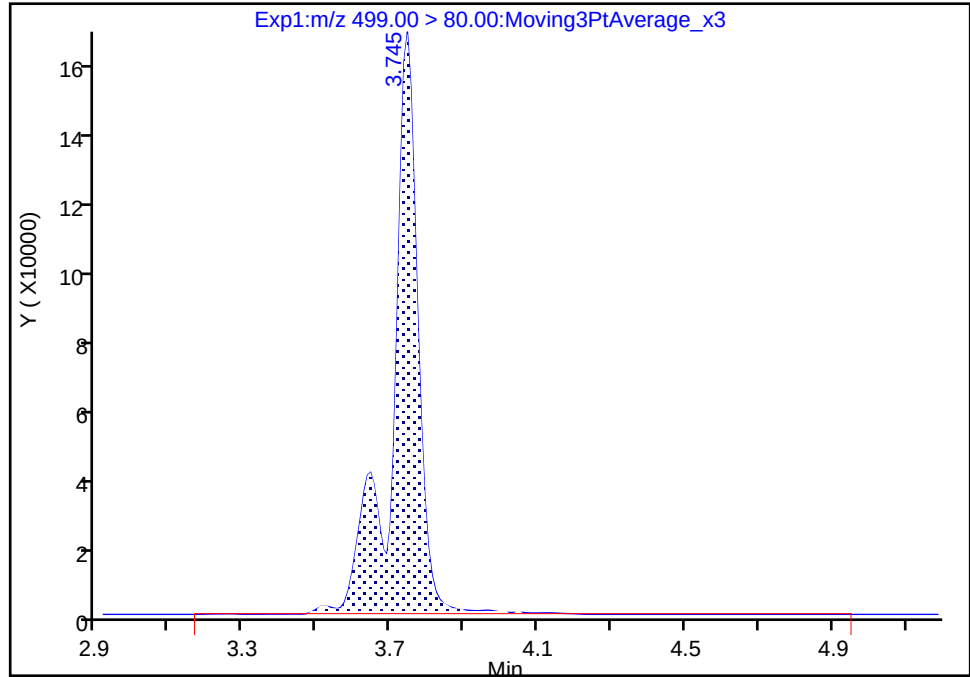
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A10.d
Injection Date: 30-Nov-2022 10:30:12 Instrument ID: LC812
Lims ID: 460-269761-A-1-F MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

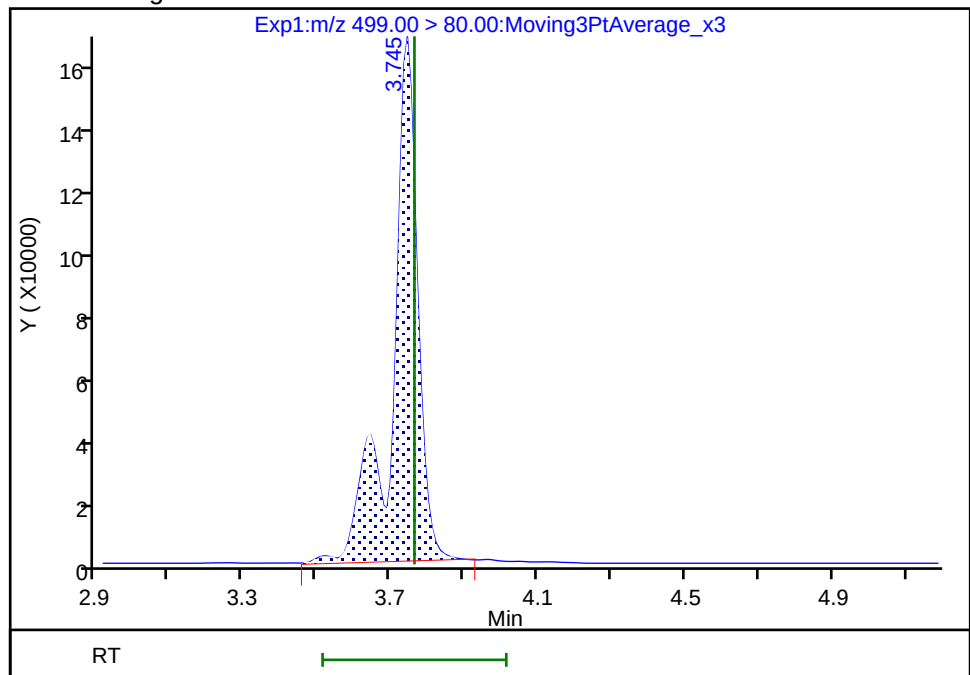
RT: 3.74
Area: 824644
Amount: 0.911690
Amount Units: ng/ml

Processing Integration Results



RT: 3.74
Area: 797606
Amount: 0.881798
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:40:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

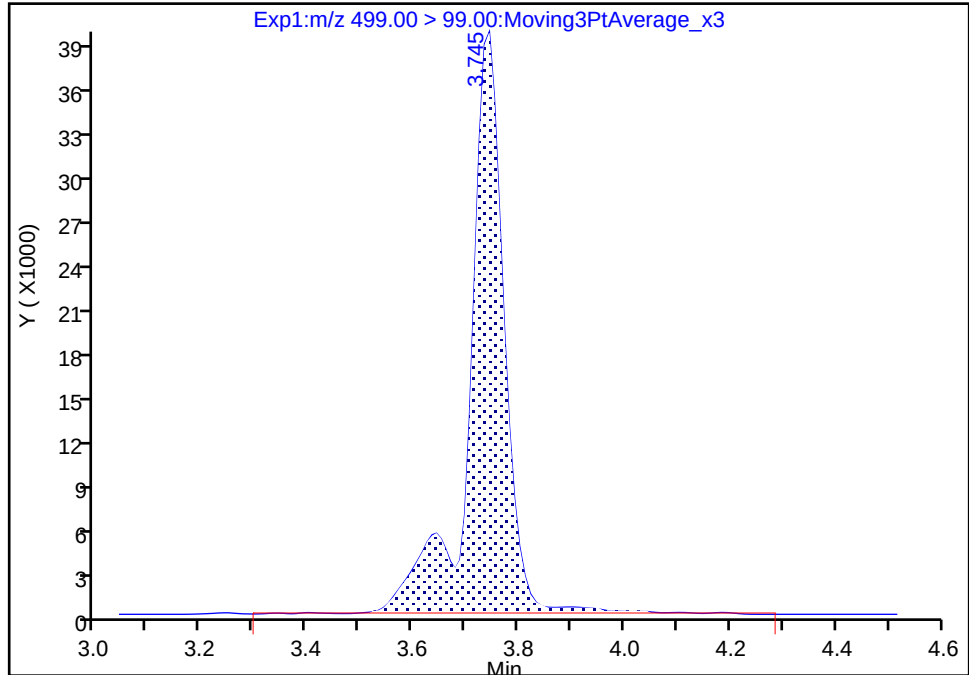
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A10.d
Injection Date: 30-Nov-2022 10:30:12 Instrument ID: LC812
Lims ID: 460-269761-A-1-F MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

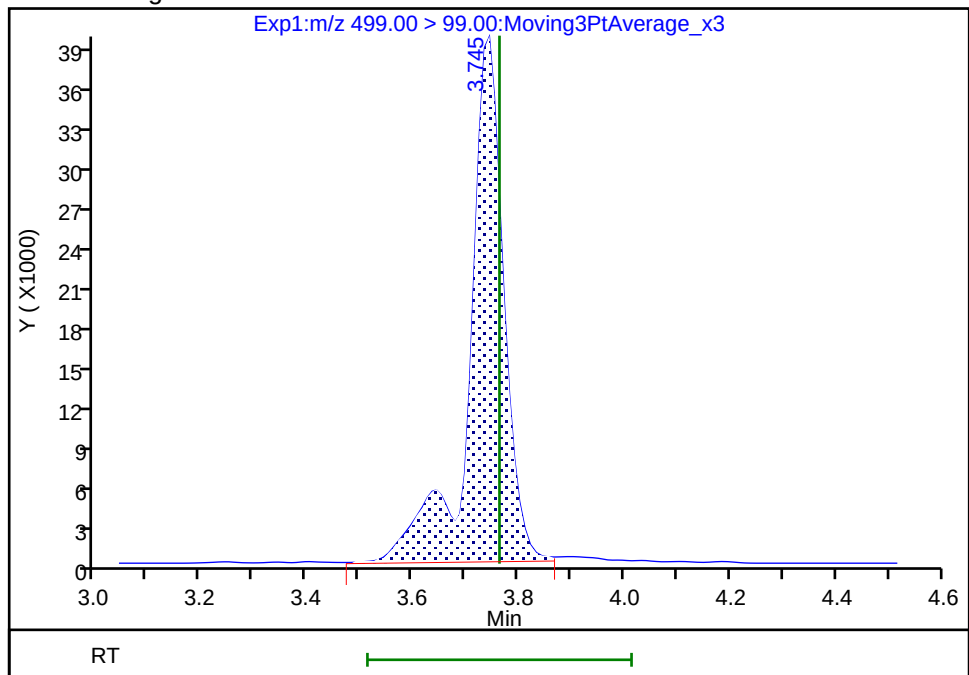
RT: 3.74
Area: 186432
Amount: 0.911690
Amount Units: ng/ml

Processing Integration Results



RT: 3.74
Area: 178725
Amount: 0.881798
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:40:56

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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PM

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A10.d

Injection Date: 30-Nov-2022 10:30:12

Instrument ID: LC812

Lims ID: 460-269761-A-1-F MSD

Client ID:

Operator ID: lc812tech

ALS Bottle#:

7

Worklist Smp#: 10

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

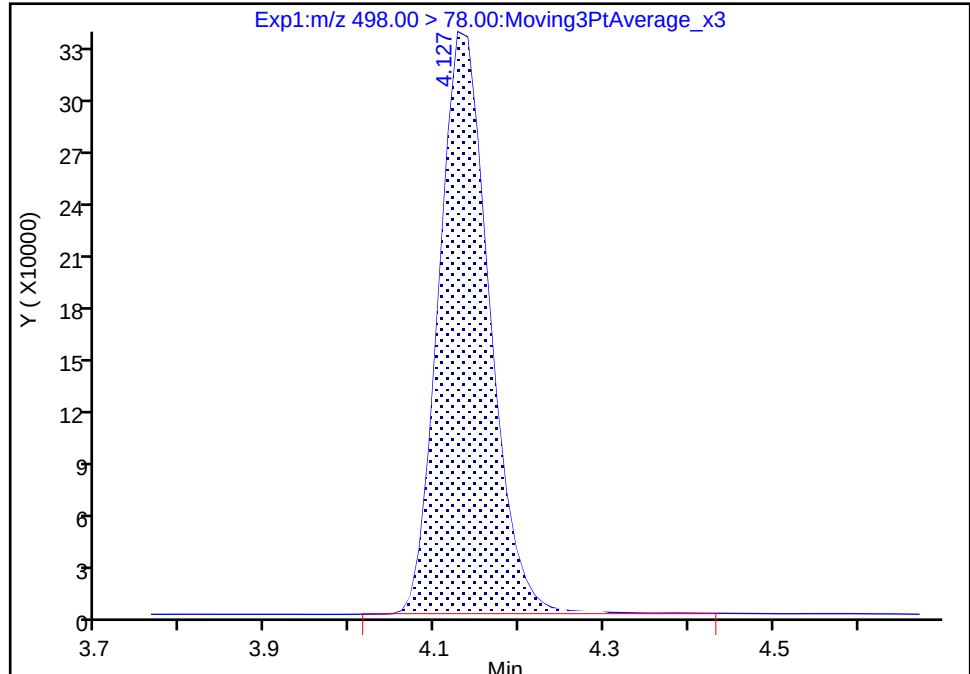
EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

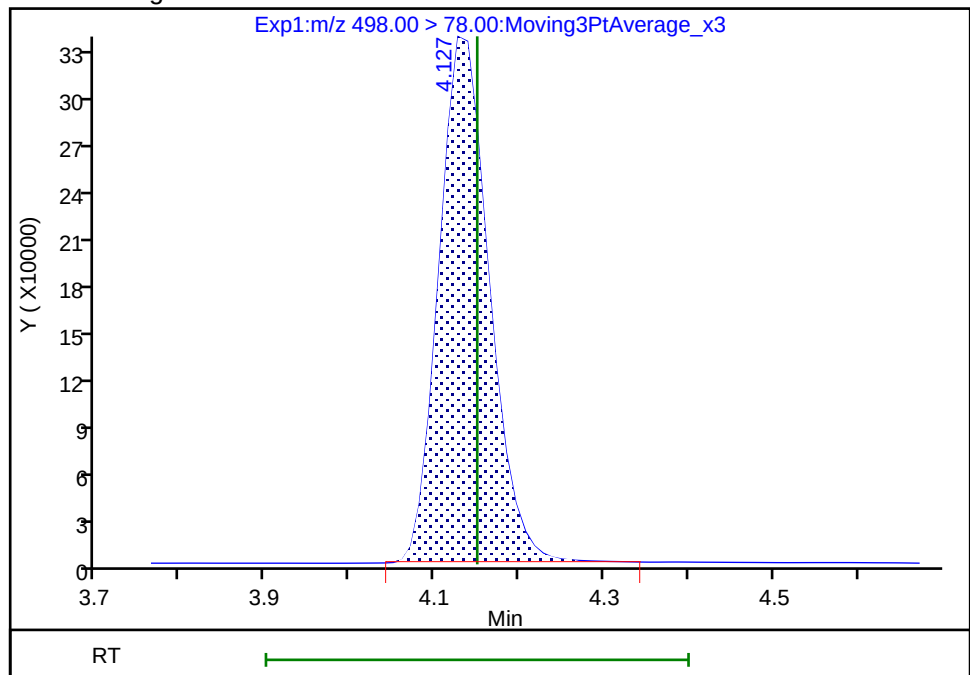
RT: 4.13
Area: 1390160
Amount: 0.961765
Amount Units: ng/ml

Processing Integration Results



RT: 4.13
Area: 1386002
Amount: 0.958888
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:41:31

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A10.d

Injection Date: 30-Nov-2022 10:30:12

Instrument ID: LC812

Lims ID: 460-269761-A-1-F MSD

Client ID:

Operator ID: lc812tech

ALS Bottle#:

7

Worklist Smp#: 10

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

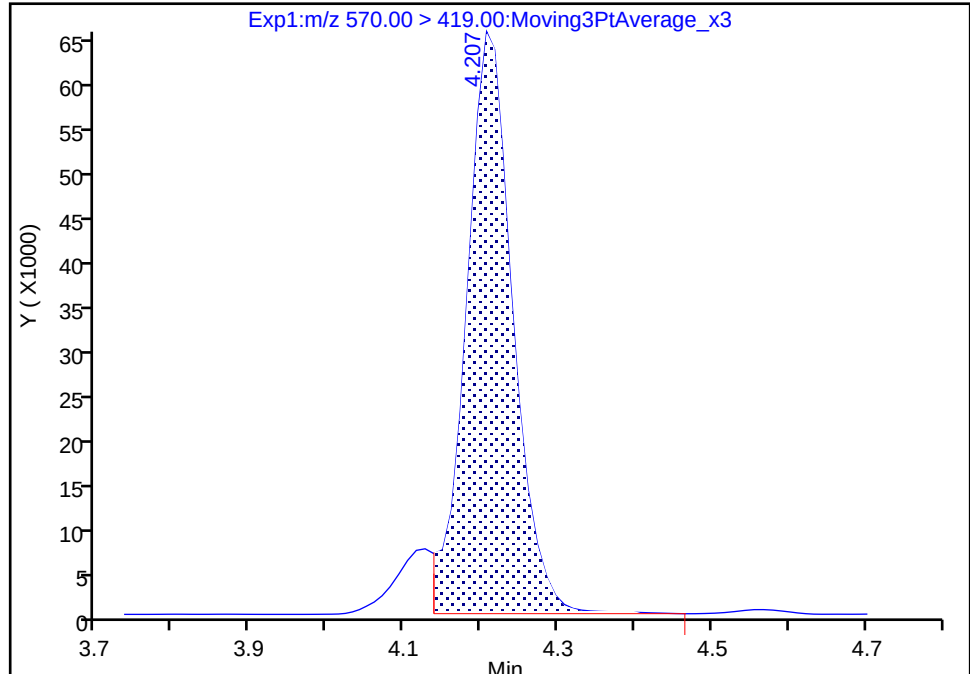
Detector: EXP1

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

Signal: 1

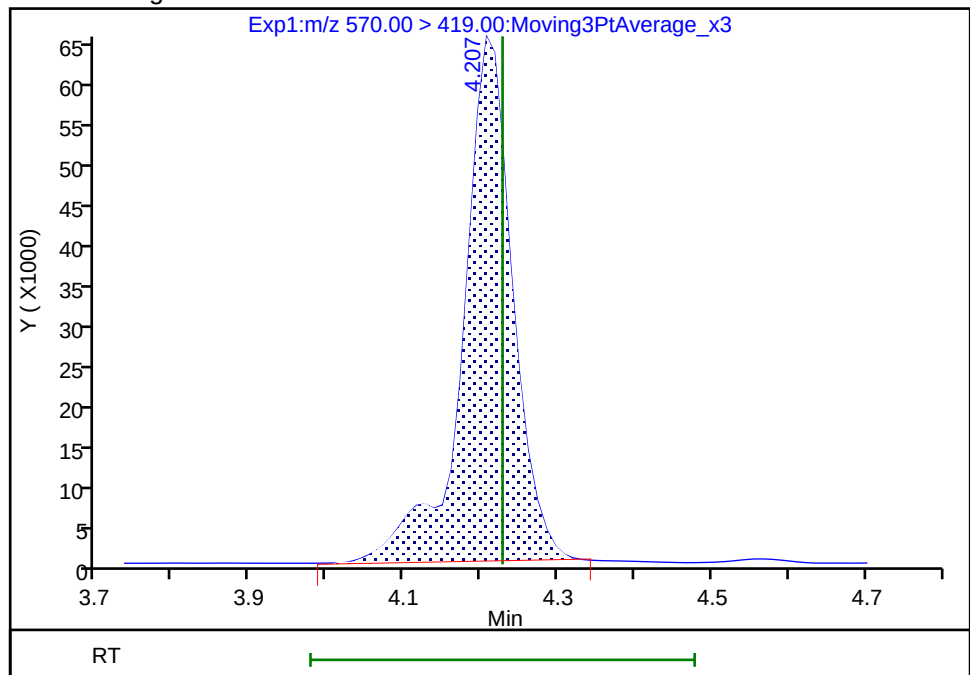
RT: 4.21
Area: 274453
Amount: 0.955107
Amount Units: ng/ml

Processing Integration Results



RT: 4.21
Area: 293527
Amount: 1.022294
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 01-Dec-2022 08:17:10

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A10.d

Injection Date: 30-Nov-2022 10:30:12

Instrument ID: LC812

Lims ID: 460-269761-A-1-F MSD

Client ID:

Operator ID: lc812tech

ALS Bottle#:

7

Worklist Smp#: 10

Injection Vol: 20.0 ul

Dil. Factor:

1.0000

Method: PFC_LC812

Limit Group:

LC_PFC_ICAL

Column: C-18 (4.60 mm)

Detector

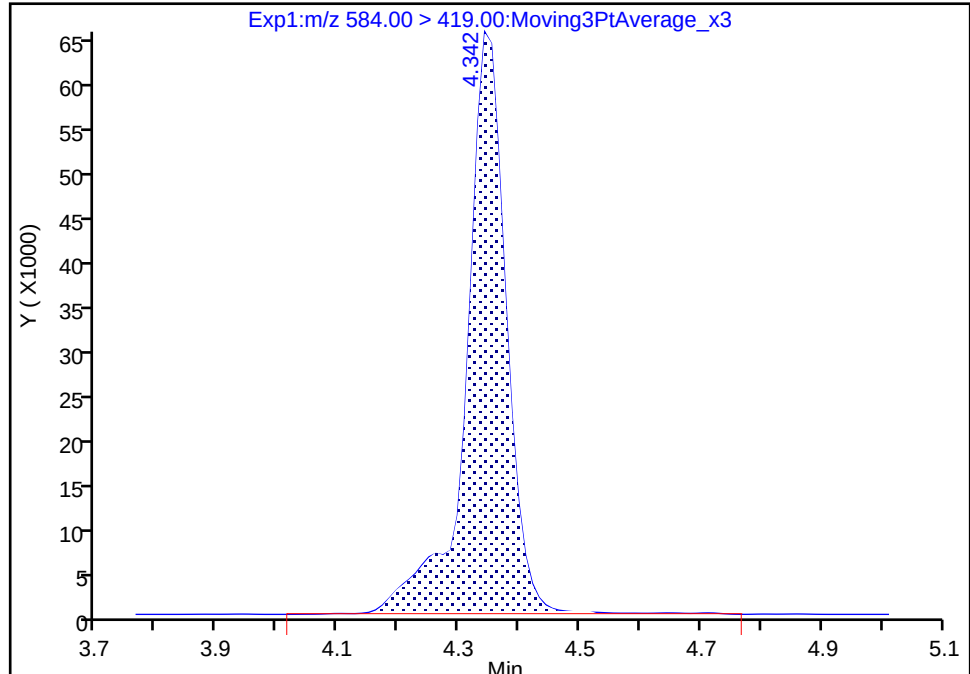
EXP1

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

Signal: 1

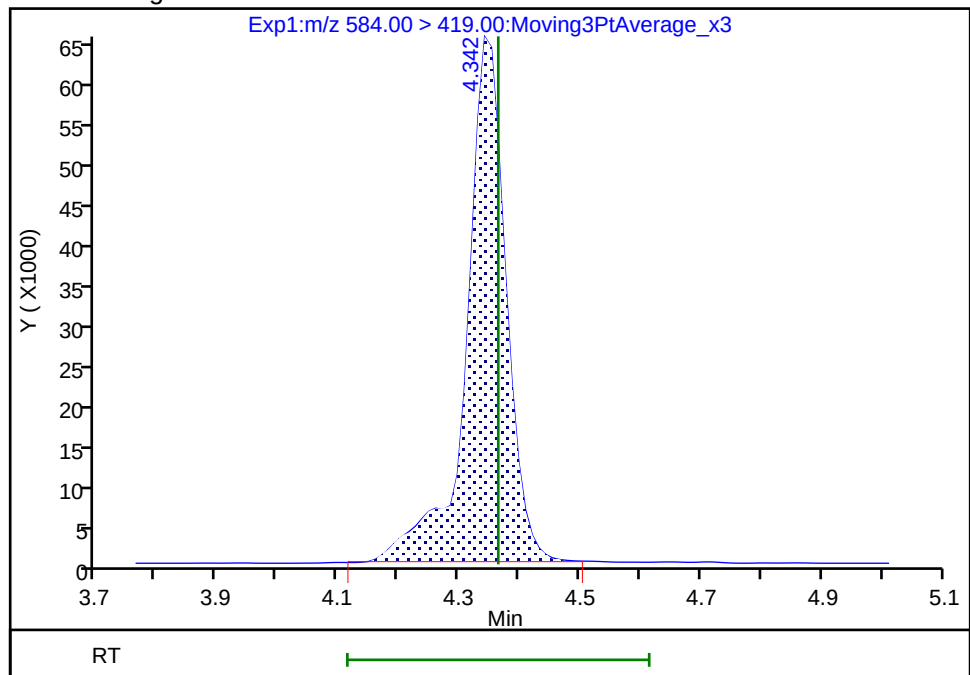
RT: 4.34
Area: 304338
Amount: 1.013410
Amount Units: ng/ml

Processing Integration Results



RT: 4.34
Area: 297740
Amount: 0.991439
Amount Units: ng/ml

Manual Integration Results



Reviewer: Z1IP, 01-Dec-2022 08:17:21

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A10.d

Injection Date: 30-Nov-2022 10:30:12

Instrument ID: LC812

Lims ID: 460-269761-A-1-F MSD

Client ID:

Operator ID: lc812tech

ALS Bottle#:

7

Worklist Smp#: 10

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

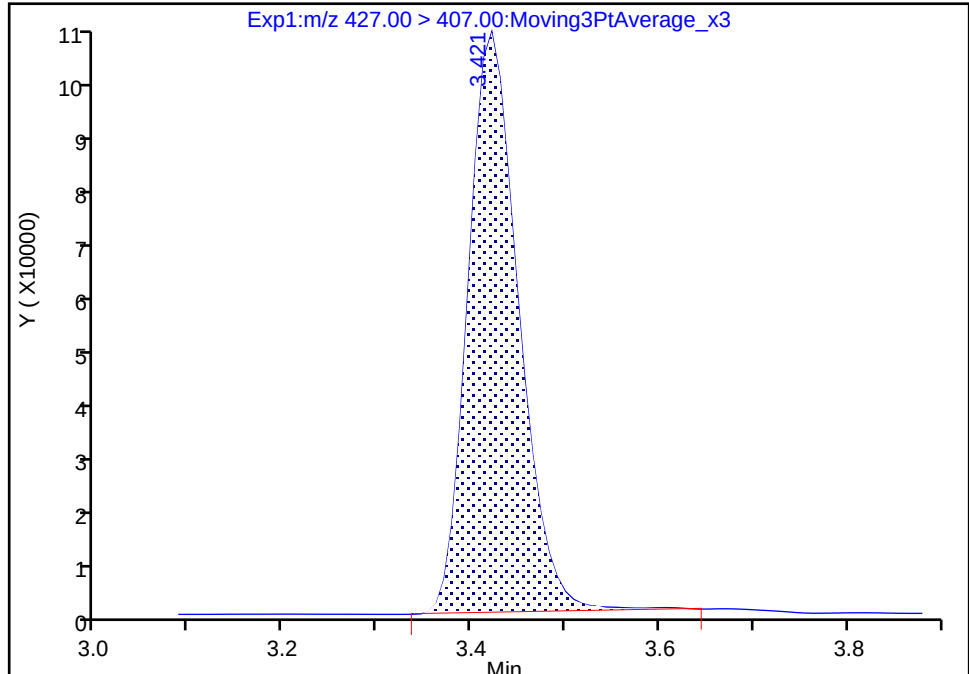
Detector: EXP1

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

Signal: 1

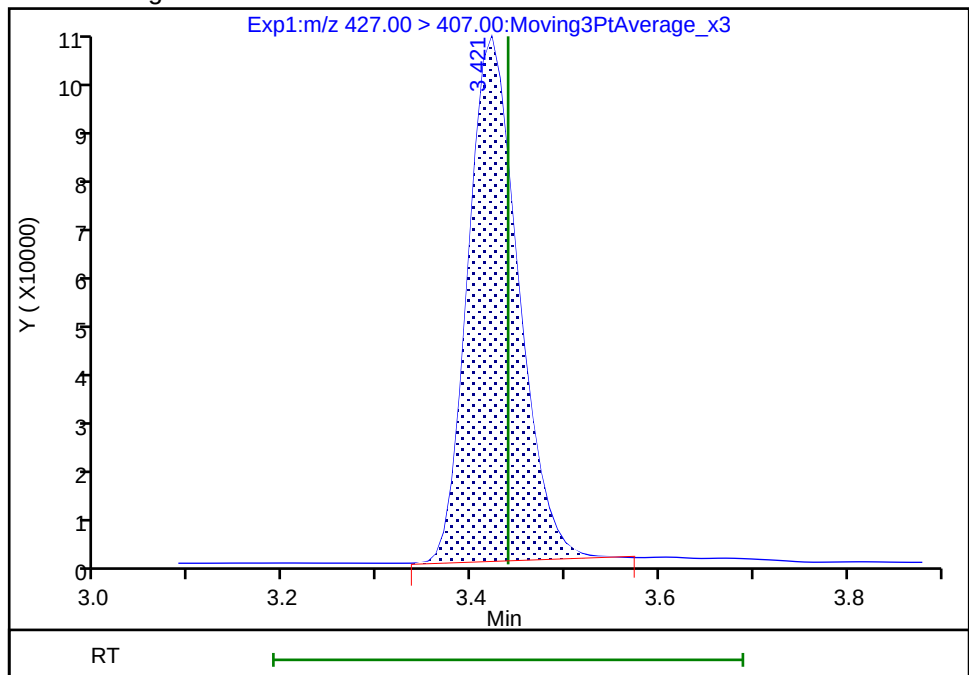
RT: 3.42
Area: 392025
Amount: 0.969000
Amount Units: ng/ml

Processing Integration Results



RT: 3.42
Area: 387837
Amount: 0.958521
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:39:39

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A10.d

Injection Date: 30-Nov-2022 10:30:12

Instrument ID: LC812

Lims ID: 460-269761-A-1-F MSD

Client ID:

Operator ID: lc812tech

ALS Bottle#:

7

Worklist Smp#: 10

Injection Vol: 20.0 ul

Dil. Factor: 1.0000

Method: PFC_LC812

Limit Group: LC_PFC_ICAL

Column: C-18 (4.60 mm)

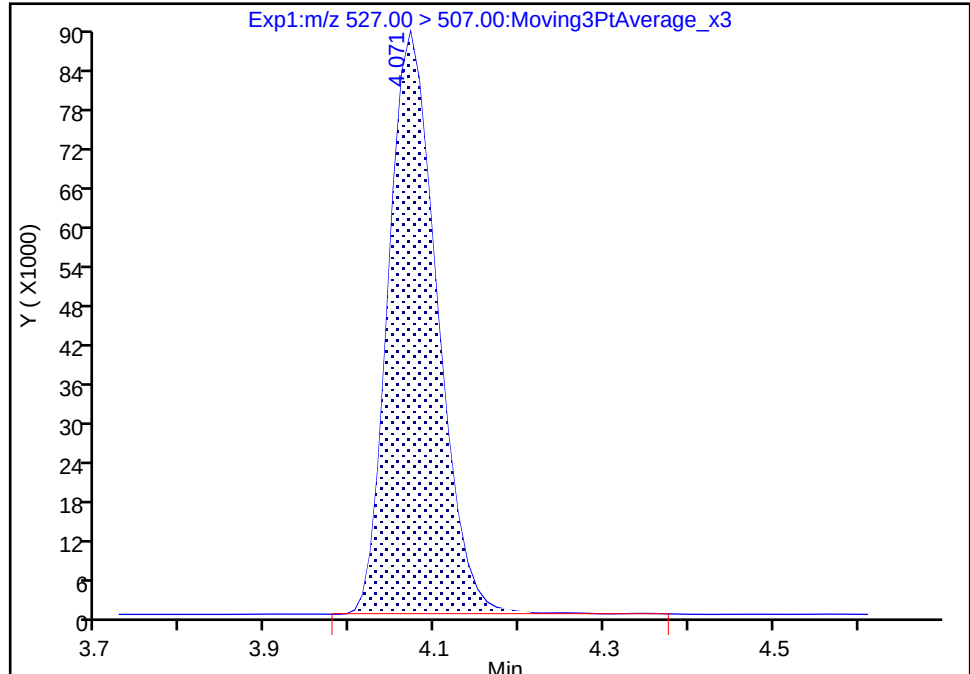
Detector: EXP1

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

Signal: 1

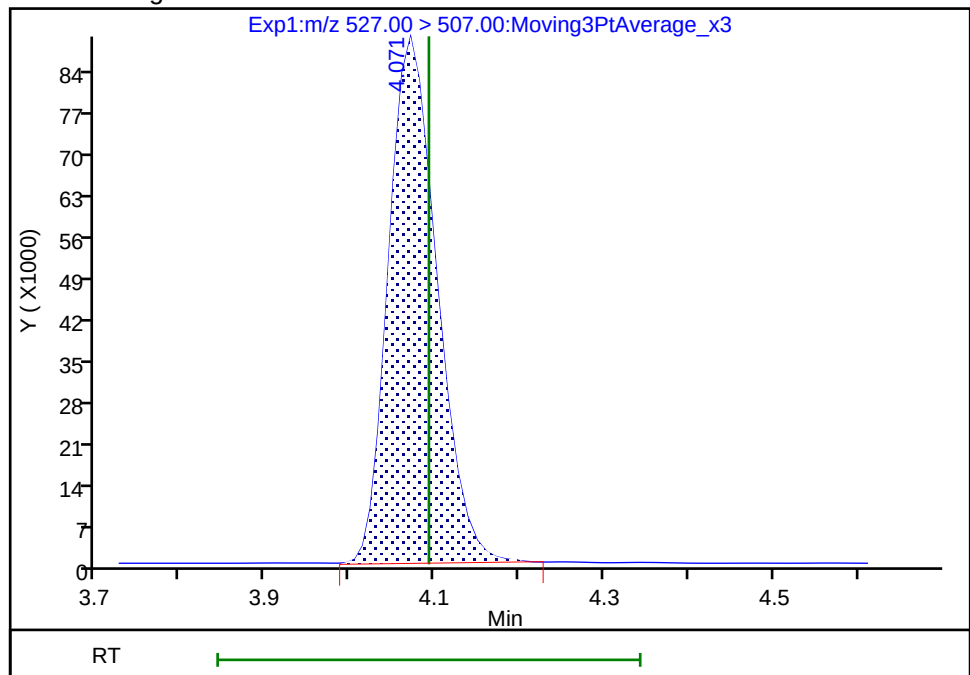
RT: 4.07
Area: 358293
Amount: 0.964789
Amount Units: ng/ml

Processing Integration Results



RT: 4.07
Area: 356494
Amount: 0.959945
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:41:25

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Burlington

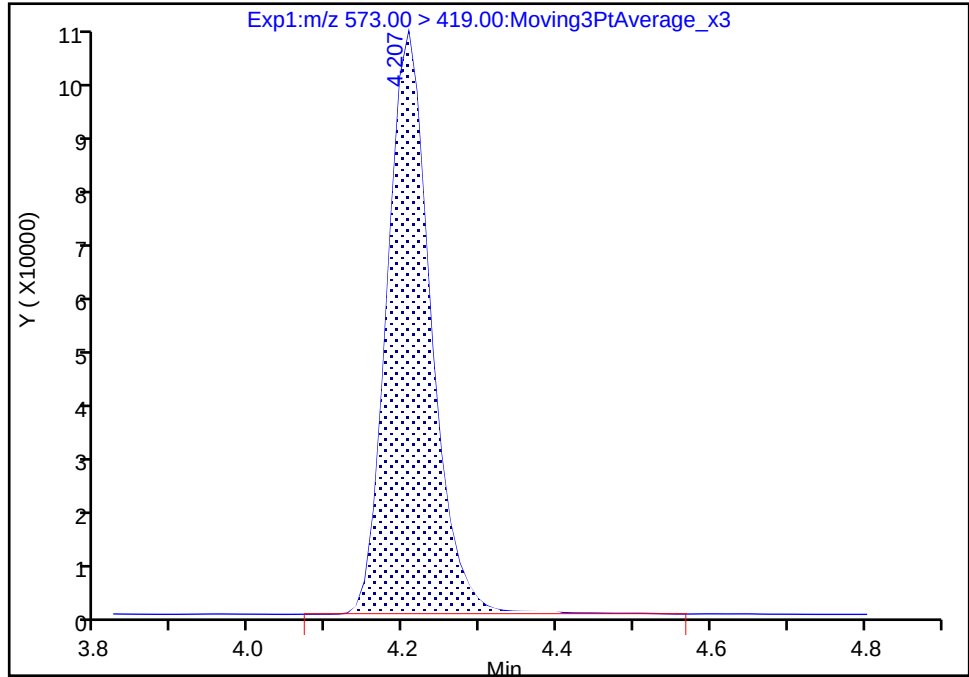
Data File: \\chromfs\Burlington\ChromData\LC812\20221130-53485.b\PA221130A10.d
Injection Date: 30-Nov-2022 10:30:12 Instrument ID: LC812
Lims ID: 460-269761-A-1-F MSD
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector: EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

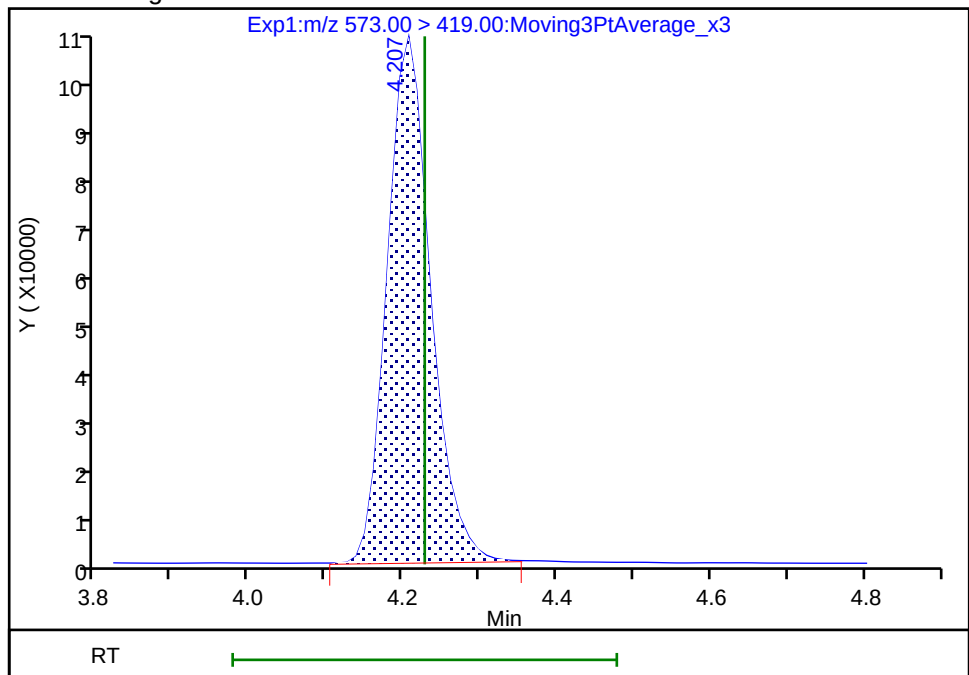
RT: 4.21
Area: 415915
Amount: 1.102303
Amount Units: ng/ml

Processing Integration Results



RT: 4.21
Area: 412524
Amount: 1.093315
Amount Units: ng/ml

Manual Integration Results



Reviewer: khanphomeea, 01-Dec-2022 10:38:27

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Burlington Job No.: 460-269761-1

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.: 460-269761-1

SDG No.:

Instrument ID: LC812

Start Date: 11/30/2022 09:16

Analysis Batch Number: 186193

End Date: 11/30/2022 13:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		11/30/2022 09:16	1		C-18 4.6 (mm)
ZZZZZ		11/30/2022 09:24	1		C-18 4.6 (mm)
ZZZZZ		11/30/2022 09:32	1		C-18 4.6 (mm)
CCB 200-186193/4		11/30/2022 09:41	1	PA221130A04.d	C-18 4.6 (mm)
CCVLIS 200-186193/5		11/30/2022 09:49	1	PA221130A05.d	C-18 4.6 (mm)
MB 200-186147/1-A		11/30/2022 09:57	1	PA221130A06.d	C-18 4.6 (mm)
LCS 200-186147/2-A		11/30/2022 10:05	1	PA221130A07.d	C-18 4.6 (mm)
460-269761-1	BCS-09-06_ (0-5.5) P	11/30/2022 10:13	1	PA221130A08.d	C-18 4.6 (mm)
460-269761-1 MS	BCS-09-06_ (0-5.5) P MS	11/30/2022 10:22	1	PA221130A09.d	C-18 4.6 (mm)
460-269761-1 MSD	BCS-09-06_ (0-5.5) P MSD	11/30/2022 10:30	1	PA221130A10.d	C-18 4.6 (mm)
460-269761-2	BCS-09-07_ (0-5.5) P	11/30/2022 10:38	1	PA221130A11.d	C-18 4.6 (mm)
460-269761-3	BCS-09-08_ (0-5.5) P	11/30/2022 10:46	1	PA221130A12.d	C-18 4.6 (mm)
460-269761-4	BCS-09-09_ (0-5.5) P	11/30/2022 10:54	1	PA221130A13.d	C-18 4.6 (mm)
460-269761-5	BCS-09-10_ (0-5.5) P	11/30/2022 11:02	1	PA221130A14.d	C-18 4.6 (mm)
ZZZZZ		11/30/2022 11:11	1		C-18 4.6 (mm)
ZZZZZ		11/30/2022 11:19	1		C-18 4.6 (mm)
ZZZZZ		11/30/2022 11:27	1		C-18 4.6 (mm)
ZZZZZ		11/30/2022 11:35	1		C-18 4.6 (mm)
ZZZZZ		11/30/2022 11:43	1		C-18 4.6 (mm)
CCV 200-186193/20		11/30/2022 11:51	1	PA221130A20.d	C-18 4.6 (mm)
ZZZZZ		11/30/2022 12:00	1		C-18 4.6 (mm)
ZZZZZ		11/30/2022 12:08	1		C-18 4.6 (mm)
ZZZZZ		11/30/2022 12:16	1		C-18 4.6 (mm)
ZZZZZ		11/30/2022 12:24	1		C-18 4.6 (mm)
ZZZZZ		11/30/2022 12:32	1		C-18 4.6 (mm)
ZZZZZ		11/30/2022 12:40	1		C-18 4.6 (mm)
ZZZZZ		11/30/2022 12:49	1		C-18 4.6 (mm)
ZZZZZ		11/30/2022 12:57	1		C-18 4.6 (mm)
ZZZZZ		11/30/2022 13:05	1		C-18 4.6 (mm)
ZZZZZ		11/30/2022 13:13	1		C-18 4.6 (mm)
CCV 200-186193/31		11/30/2022 13:21	1		C-18 4.6 (mm)

PFAS BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-269761-1

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.: 460-269761-1

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.: 460-269761-1

SDG No.: _____

Batch Number: 186147 Batch Start Date: 11/29/22 10:30 Batch Analyst: Dean, NathanBatch Method: SHAKE Batch End Date: 11/29/22 18:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	LCPFC32MTXStk 00048	LCPFIDA21_spk 00008	PFAS21 IS Stk 00048	AnalysisComment
MB 200-186147/1		SHAKE, 537 (modified)		5.00 g	10 mL		100 uL	100 uL	
LCS 200-186147/2		SHAKE, 537 (modified)		5.00 g	10 mL	25 uL	100 uL	100 uL	
460-269761-A-1	BCS-09-06_(0-5.5))P	SHAKE, 537 (modified)	T	5.08 g	10 mL		100 uL	100 uL	
460-269761-A-1 MS	BCS-09-06_(0-5.5))P	SHAKE, 537 (modified)	T	5.01 g	10 mL	25 uL	100 uL	100 uL	
460-269761-A-1 MSD	BCS-09-06_(0-5.5))P	SHAKE, 537 (modified)	T	5.10 g	10 mL	25 uL	100 uL	100 uL	
460-269761-A-2	BCS-09-07_(0-5.5))P	SHAKE, 537 (modified)	T	5.36 g	10 mL		100 uL	100 uL	very high moisture
460-269761-A-3	BCS-09-08_(0-5.5))P	SHAKE, 537 (modified)	T	5.31 g	10 mL		100 uL	100 uL	very high moisture
460-269761-A-4	BCS-09-09_(0-5.5))P	SHAKE, 537 (modified)	T	5.29 g	10 mL		100 uL	100 uL	very high moisture
460-269761-A-5	BCS-09-10_(0-5.5))P	SHAKE, 537 (modified)	T	5.38 g	10 mL		100 uL	100 uL	very high moisture

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.: 460-269761-1

SDG No.: _____

Batch Number: 186147 Batch Start Date: 11/29/22 10:30 Batch Analyst: Dean, NathanBatch Method: SHAKE Batch End Date: 11/29/22 18:00

Batch Notes	
Balance ID	M02926
Blank Sand Lot #	1535274
Millipore Water Dispense Date	11/29/2022
Analyst ID - Reagent Drop Witness	NDD
SPE Cartridge Lot ID	Sorbent Lot:X0818-PWAX/1256 Prod Lot: E02139-3
SPE Cartridge Type	Phenomenex Strata PFAS (WAX/GCB), 500mg/ 6 mL
Hexane ID	30% Methanol/DI Water:1669378
Methanol ID	Lot:221080 TALS ID:1668571
Ammonium Hydroxide/MeOH ID	1677154
Sodium Hydroxide ID	1673391
Methanolic Potassium Hydroxide ID	1668906
Manifold ID	IDA 1, IDA 2
Acetic Acid ID	1453517
pH Indicator ID	234921U
Pipette/Syringe/Dispenser ID	QH77727
Analyst ID - IS Reagent Drop	KFW
Analyst ID - IS Reagent Drop Witness	EK
Internal Standard ID	1677806
Analyst ID - Aliquot Step	KFW
Analyst ID - Final Volume Step	KFW
Sonication Start Time	11/29/2022 10:30
Sonication Stop Time	11/29/2022 13:30
Centrifuge Tube ID	430791
QC Bottle Lot ID	0317201H
Batch Comment	IDA:A MTX:B IS:B

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins Burlington Job Number: 460-269761-1
SDG No.: _____
Project: Inwood - Lot 9

Client Sample ID	Lab Sample ID
<u>BCS-09-06_(0-5.5)P</u>	<u>460-269761-1</u>
<u>BCS-09-07_(0-5.5)P</u>	<u>460-269761-2</u>
<u>BCS-09-08_(0-5.5)P</u>	<u>460-269761-3</u>
<u>BCS-09-09_(0-5.5)P</u>	<u>460-269761-4</u>
<u>BCS-09-10_(0-5.5)P</u>	<u>460-269761-5</u>

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Burlington

Job Number: 460-269761-1

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.: 460-269761-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 11/21/2022 13:53 End Date: 11/21/2022 13:53

[illegible]

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Burlington Job No.: 460-269761-1

SDG No.: _____

Instrument ID: NOEQUIP Method: Moisture

Start Date: 11/21/2022 13:53 End Date: 11/21/2022 13:53

Lab Sample ID	D / F	T y p e	Time	Analytes																	
				% S o l																	
200-65819-A-28 DU	1	T	13:53	X																	
ZZZZZZ			13:53																		
ZZZZZZ			13:53																		
ZZZZZZ			13:53																		
ZZZZZZ			13:53																		
ZZZZZZ			13:53																		
ZZZZZZ			13:53																		
ZZZZZZ			13:53																		
ZZZZZZ			13:53																		
460-269761-1	1	T	13:53	X																	
460-269761-2	1	T	13:53	X																	
460-269761-3	1	T	13:53	X																	
460-269761-4	1	T	13:53	X																	
460-269761-5	1	T	13:53	X																	

Prep Types
T = Total/NA

General Chemistry Raw Data Report

Job ID: 460-269761-1

Batch: 186005
Method: Moisture

Analyst Initials: RWM
Instrument: No Equipment

Lab Sample ID: 200-65819-A-28 DU

Analysis Date: Nov 21, 2022 13:53

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	14.002642007926	%

Lab Sample ID: 460-269761-A-1

Analysis Date: Nov 21, 2022 13:53

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	81.6008316008316	%

Lab Sample ID: 460-269761-A-2

Analysis Date: Nov 21, 2022 13:53

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	72.7817745803357	%

Lab Sample ID: 460-269761-A-3

Analysis Date: Nov 21, 2022 13:53

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	71.7741935483871	%

Lab Sample ID: 460-269761-A-4

Analysis Date: Nov 21, 2022 13:53

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	73.0893433799785	%

Lab Sample ID: 460-269761-A-5

Analysis Date: Nov 21, 2022 13:53

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	73.1811697574893	%

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-269761-1

SDG No.: _____

Batch Number: 186005 Batch Start Date: 11/21/22 13:53 Batch Analyst: McNabb, Robert WBatch Method: Moisture Batch End Date: 11/22/22 11:29

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry	%_Moisture	%_Solid	
200-65819-A-28 DU		Moisture	T	1.00 g	8.57 g	2.06 g	85.997357992074 %	14.002642007926 %	
460-269761-A-1	BCS-09-06_(0-5.5))P	Moisture	T	0.99 g	10.61 g	8.84 g	18.399168399168 4 %	81.600831600831 6 %	
460-269761-A-2	BCS-09-07_(0-5.5))P	Moisture	T	1.02 g	9.36 g	7.09 g	27.218225419664 3 %	72.781774580335 7 %	
460-269761-A-3	BCS-09-08_(0-5.5))P	Moisture	T	1.01 g	9.69 g	7.24 g	28.225806451612 9 %	71.774193548387 1 %	
460-269761-A-4	BCS-09-09_(0-5.5))P	Moisture	T	0.98 g	10.27 g	7.77 g	26.910656620021 5 %	73.089343379978 5 %	
460-269761-A-5	BCS-09-10_(0-5.5))P	Moisture	T	1.00 g	8.01 g	6.13 g	26.818830242510 7 %	73.181169757489 3 %	

Batch Notes	
Balance ID	L92017
Oven ID	WC OVEN #2
Thermometer ID	328 (CF=0)
Date samples were placed in the oven	11/21/2022
Time samples were place in the oven	13:53
Temperature - Start - Uncorrected	107 Degrees C
Oven Temp In	107 Degrees C
Date samples were removed from oven	11/22/2022
Time Samples were removed from oven	11:00
Temperature - End - Uncorrected	107 Degrees C
Oven Temp Out	107 Degrees C
Date and Time Samples in Desiccator	11/22/2022 11:00
Date and Time Samples out of Desiccator	11/22/2022 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

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact		Project Manager: <u>Rox Assessor</u>		Date: <u>11/17/22</u>	COC No: _____
Company Name: <u>Rox Assessor</u>		Tel/Email: <u>609-655-1550 / rox@roxassessor.com</u>		Carrier: _____	of <u>1</u> COCs
Address: <u>209 Shafter St</u>				Sampler: _____	
City/State/Zip: <u>Pleasanton, NY</u>				for Lab Use Only:	
Phone: _____				Valk-in Client: ☐	
Fax: _____				ab Sampling: ☐	
Project Name: <u>Lanwood Lot 9</u>				obj / SDG No.: <u>269761</u>	
Site: _____					
P.O.# <u>2477.0008002</u>					

Analysis Turnaround Time			
☐ CALENDAR DAYS	☐ WORKING DAYS	TAT if different from Below _____	
☐ 2 weeks	☒ 5 days		
☐ 1 week			
☐ 2 days			
☐ 1 day			

Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.
11/17	1335	G	So	1
11/17	1345	G	So	1
11/17	1355	G	So	1
11/17	1405	G	So	1
11/17	1415	G	So	1

Sample Identification	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Sample Specific Notes:
BCS-09-06-(0-0.5)P			1
BCS-09-07-(0-0.5)P			2
BCS-09-08-(0-0.5)P			3
BCS-09-09-(0-0.5)P			4
BCS-09-10-(0-0.5)P			5

SUB WORK

Preservation Used: 1= Ice, 2= HCl; 3= H₂SO₄; 4=HNO₃; 5=NaOH; 6= Other _____

Possible Hazard Identification: Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Unknown

☐ Poison B ☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Custody Seal No.: _____	Cooler Temp. (°C): Obs'd: _____ Cor'd: _____	Therm ID No.: _____
Relinquished by: <u>[Signature]</u>	Received by: <u>[Signature]</u>	Date/Time: <u>11/17/22 11:20</u>
Relinquished by: <u>[Signature]</u>	Received by: <u>[Signature]</u>	Date/Time: <u>11/17/22 17:00</u>
Relinquished by: <u>[Signature]</u>	Received in Laboratory by: <u>[Signature]</u>	Date/Time: <u>11/17/22 20:00</u>

Number of Coolers:

IR Gun #

Cooler Temperatures

	RAW	CORRECTED
Cooler #1:	26.26	°C
Cooler #2:	°C	°C
Cooler #3:	°C	°C

	RAW	CORRECTED
Cooler #4:	°C	°C
Cooler #5:	°C	°C
Cooler #6:	°C	°C

	RAW	CORRECTED
Cooler #7:	°C	°C
Cooler #8:	°C	°C
Cooler #9:	°C	°C

[illegible]

If pH adjustments are required record the information below:

Sample No(s). adjusted:

Preservative Name/Conc.:

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: 11/22

EDS-WI-038, Rev 4, 06/09/2014

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-269761-1

Login Number: 269761

List Source: Eurofins Edison

List Number: 1

Creator: Khlungprakhon, Sukanya

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-269761-1

Login Number: 269761
List Number: 2
Creator: Khudaier, Zahraa

List Source: Eurofins Burlington
List Creation: 11/21/22 12:11 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	1861350, 353
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	0.6°C, 0.3°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?	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.	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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	