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ANALYTICAL REPORT

Job Number: 460-262897-1

Job Description: Taconic Inwood Lot 9

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

Attention: Ms. Jessica Taylor



Approved for release.
Warleny M Infante
Project Management Assistant I
8/9/2022 7:28 AM

Designee for
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08/09/2022

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Job Number: 460-262897-1

Job Description: Taconic Inwood Lot 9

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



Approved for release.
Warleny M Infante
Project Management Assistant I
8/9/2022 7:28 AM

Designee for
Melissa Haas

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CASE NARRATIVE

Client: Roux Environmental Eng & Geology DPC

Project: Taconic Inwood Lot 9

Report Number: 460-262897-1

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 7/29/2022 6:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.4º C.

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. The client revised all sample IDs.

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-09-40 (5-5.5)P (460-262897-1), BCS-09-41 (5-5.5)P (460-262897-2), BCS-09-42 (5-5.5)P (460-262897-3), BCS-09-43 (5-5.5)P (460-262897-4), BCS-09-36 (6-6.5)P (460-262897-5), BCS-09-37 (6-6.5)P (460-262897-6), BCS-09-38 (6-6.5)P (460-262897-7), BCS-09-39 (6-6.5)P (460-262897-8), BCS-09-24 (5-5.5)P (460-262897-9), BCS-09-25 (5-5.5)P (460-262897-10), BCS-09-26 (5-5.5)P (460-262897-11) and BCS-09-27 (5-5.5)P (460-262897-12) were analyzed for Per- and Polyfluoroalkyl Substances (PFAS) in accordance with PFC. The samples were prepared on 08/03/2022 and analyzed on 08/04/2022.

M2-8:2 FTS Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following sample: (460-262622-A-5-E MS). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

The matrix spike duplicate (MSD) recoveries for preparation batch 200-182317 and analytical batch 200-182375 were outside control limits for Perfluorooctanesulfonic acid (PFOS). Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Refer to the QC report for details.

No other difficulties were encountered during the PFAS analysis.

All other quality control parameters were within the acceptance limits.

PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS)
Sample FB_20220729 (460-262897-13) was analyzed for Per- and Polyfluoroalkyl Substances (PFAS) in accordance with PFC. The samples were prepared and analyzed on 08/04/2022.

No difficulties were encountered during the PFAS analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE
Samples BCS-09-40 (5-5.5)P (460-262897-1), BCS-09-41 (5-5.5)P (460-262897-2), BCS-09-42 (5-5.5)P (460-262897-3), BCS-09-43 (5-5.5)P (460-262897-4), BCS-09-36 (6-6.5)P (460-262897-5), BCS-09-37 (6-6.5)P (460-262897-6), BCS-09-38 (6-6.5)P (460-262897-7), BCS-09-39 (6-6.5)P (460-262897-8), BCS-09-24 (5-5.5)P (460-262897-9), BCS-09-25 (5-5.5)P (460-262897-10), BCS-09-26 (5-5.5)P

(460-262897-11) and BCS-09-27 (5-5.5)P (460-262897-12) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 08/03/2022.

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

All quality control parameters were within the acceptance limits.

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-262897-1
Project/Site: Taconic Inwood Lot 9

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-262897-1	BCS-09-40 (5-5.5)P	Solid	07/29/22 10:05	07/29/22 18:00
460-262897-2	BCS-09-41 (5-5.5)P	Solid	07/29/22 10:10	07/29/22 18:00
460-262897-3	BCS-09-42 (5-5.5)P	Solid	07/29/22 10:15	07/29/22 18:00
460-262897-4	BCS-09-43 (5-5.5)P	Solid	07/29/22 10:20	07/29/22 18:00
460-262897-5	BCS-09-36 (6-6.5)P	Solid	07/29/22 09:45	07/29/22 18:00
460-262897-6	BCS-09-37 (6-6.5)P	Solid	07/29/22 09:50	07/29/22 18:00
460-262897-7	BCS-09-38 (6-6.5)P	Solid	07/29/22 09:55	07/29/22 18:00
460-262897-8	BCS-09-39 (6-6.5)P	Solid	07/29/22 10:00	07/29/22 18:00
460-262897-9	BCS-09-24 (5-5.5)P	Solid	07/29/22 12:30	07/29/22 18:00
460-262897-10	BCS-09-25 (5-5.5)P	Solid	07/29/22 12:40	07/29/22 18:00
460-262897-11	BCS-09-26 (5-5.5)P	Solid	07/29/22 12:50	07/29/22 18:00
460-262897-12	BCS-09-27 (5-5.5)P	Solid	07/29/22 13:00	07/29/22 18:00
460-262897-13	FB_20220729	Water	07/29/22 13:05	07/29/22 18:00

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-262897-1
Project/Site: Taconic Inwood Lot 9

Client Sample ID: BCS-09-40 (5-5.5)P — Lab Sample ID: 460-262897-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorodecanesulfonic acid (PFDS)	0.024	J	0.20	0.019	ug/Kg	1	☼	537 (modified)	Total/NA

Client Sample ID: BCS-09-41 (5-5.5)P — Lab Sample ID: 460-262897-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.070	J	0.21	0.058	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.071	J	0.21	0.048	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.063	J	0.21	0.041	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.17	J	0.21	0.061	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.036	J	0.21	0.029	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorodecanesulfonic acid (PFDS)	0.081	J	0.21	0.020	ug/Kg	1	☼	537 (modified)	Total/NA

Client Sample ID: BCS-09-42 (5-5.5)P — Lab Sample ID: 460-262897-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorodecanesulfonic acid (PFDS)	0.049	J	0.23	0.022	ug/Kg	1	☼	537 (modified)	Total/NA

Client Sample ID: BCS-09-43 (5-5.5)P — Lab Sample ID: 460-262897-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.070	J	0.24	0.055	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.048	J	0.24	0.046	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.13	J	0.24	0.069	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.041	J	0.24	0.033	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorodecanesulfonic acid (PFDS)	0.045	J	0.24	0.023	ug/Kg	1	☼	537 (modified)	Total/NA

Client Sample ID: BCS-09-36 (6-6.5)P — Lab Sample ID: 460-262897-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.066	J	0.20	0.055	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.075	J	0.20	0.046	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorodecanesulfonic acid (PFDS)	0.12	J	0.20	0.019	ug/Kg	1	☼	537 (modified)	Total/NA

Client Sample ID: BCS-09-37 (6-6.5)P — Lab Sample ID: 460-262897-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.053	J	0.22	0.049	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.047	J	0.22	0.042	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.096	J	0.22	0.062	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.048	J	0.22	0.037	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.085	J	0.22	0.030	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorododecanoic acid (PFDoA)	0.029	J	0.22	0.027	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.30		0.22	0.12	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorodecanesulfonic acid (PFDS)	0.62		0.22	0.020	ug/Kg	1	☼	537 (modified)	Total/NA

Client Sample ID: BCS-09-38 (6-6.5)P — Lab Sample ID: 460-262897-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.060	J	0.22	0.050	ug/Kg	1	☼	537 (modified)	Total/NA
6:2 FTS	0.081	J	2.16	0.062	ug/Kg	1	☼	537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-262897-1
Project/Site: Taconic Inwood Lot 9

Client Sample ID: BCS-09-39 (6-6.5)P
Lab Sample ID: 460-262897-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.071	J	0.21	0.058	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.087	J	0.21	0.048	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorodecanesulfonic acid (PFDS)	0.052	J	0.21	0.020	ug/Kg	1	☼	537 (modified)	Total/NA

Client Sample ID: BCS-09-24 (5-5.5)P
Lab Sample ID: 460-262897-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.057	J	0.21	0.048	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorodecanesulfonic acid (PFDS)	0.069	J	0.21	0.020	ug/Kg	1	☼	537 (modified)	Total/NA

Client Sample ID: BCS-09-25 (5-5.5)P
Lab Sample ID: 460-262897-10

No Detections.

Client Sample ID: BCS-09-26 (5-5.5)P
Lab Sample ID: 460-262897-11

No Detections.

Client Sample ID: BCS-09-27 (5-5.5)P
Lab Sample ID: 460-262897-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.092	J	0.20	0.047	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorodecanesulfonic acid (PFDS)	0.060	J	0.20	0.019	ug/Kg	1	☼	537 (modified)	Total/NA

Client Sample ID: FB_20220729
Lab Sample ID: 460-262897-13

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-262897-1
Project/Site: Taconic Inwood Lot 9

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	ETA BUR
Moisture	Percent Moisture	EPA	ETA BUR
3535	Solid-Phase Extraction (SPE)	SW846	ETA BUR
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	ETA 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:

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

Client Sample ID: BCS-09-40 (5-5.5)P
Lab Sample ID: 460-262897-1

Date Collected: 07/29/22 10:05
Matrix: Solid

Date Received: 07/29/22 18:00
Percent Solids: 95.9

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.49	U	0.49	0.32	ug/Kg	☼	08/03/22 11:39	08/04/22 15:06	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.054	ug/Kg	☼	08/03/22 11:39	08/04/22 15:06	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.045	ug/Kg	☼	08/03/22 11:39	08/04/22 15:06	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.038	ug/Kg	☼	08/03/22 11:39	08/04/22 15:06	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.057	ug/Kg	☼	08/03/22 11:39	08/04/22 15:06	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.033	ug/Kg	☼	08/03/22 11:39	08/04/22 15:06	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.028	ug/Kg	☼	08/03/22 11:39	08/04/22 15:06	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.027	ug/Kg	☼	08/03/22 11:39	08/04/22 15:06	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.025	ug/Kg	☼	08/03/22 11:39	08/04/22 15:06	1
Perfluorotridecanoic acid (PFTriA)	0.20	U	0.20	0.025	ug/Kg	☼	08/03/22 11:39	08/04/22 15:06	1
Perfluorotetradecanoic acid (PFTeA)	0.20	U	0.20	0.026	ug/Kg	☼	08/03/22 11:39	08/04/22 15:06	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.032	ug/Kg	☼	08/03/22 11:39	08/04/22 15:06	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.040	ug/Kg	☼	08/03/22 11:39	08/04/22 15:06	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.023	ug/Kg	☼	08/03/22 11:39	08/04/22 15:06	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.11	ug/Kg	☼	08/03/22 11:39	08/04/22 15:06	1
Perfluorodecanesulfonic acid (PFDS)	**0.024**	**J**	0.20	0.019	ug/Kg	☼	08/03/22 11:39	08/04/22 15:06	1
Perfluorooctanesulfonamide (FOSA)	0.20	U	0.20	0.033	ug/Kg	☼	08/03/22 11:39	08/04/22 15:06	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.97	U	1.97	0.11	ug/Kg	☼	08/03/22 11:39	08/04/22 15:06	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.97	U	1.97	0.082	ug/Kg	☼	08/03/22 11:39	08/04/22 15:06	1
6:2 FTS	1.97	U	1.97	0.056	ug/Kg	☼	08/03/22 11:39	08/04/22 15:06	1
8:2 FTS	1.97	U	1.97	0.036	ug/Kg	☼	08/03/22 11:39	08/04/22 15:06	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*86*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:06*	*1*
13C4 PFHpA	*93*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:06*	*1*
13C4 PFOA	*96*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:06*	*1*
13C4 PFOS	*81*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:06*	*1*
13C5 PFNA	*91*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:06*	*1*
13C4 PFBA	*99*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:06*	*1*
13C2 PFHxA	*93*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:06*	*1*
13C2 PFDA	*86*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:06*	*1*
13C2 PFUnA	*92*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:06*	*1*
13C2 PFDoA	*92*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:06*	*1*
13C8 FOSA	*81*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:06*	*1*
13C5 PFPeA	*95*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:06*	*1*
13C2 PFTeDA	*97*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:06*	*1*
d3-NMeFOSAA	*73*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:06*	*1*
d5-NEtFOSAA	*73*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:06*	*1*
M2-6:2 FTS	*87*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:06*	*1*
M2-8:2 FTS	*81*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:06*	*1*
13C3 PFBS	*85*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:06*	*1*

Client Sample ID: BCS-09-41 (5-5.5)P
Date Collected: 07/29/22 10:10
Date Received: 07/29/22 18:00

Lab Sample ID: 460-262897-2
Matrix: Solid
Percent Solids: 90.4

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.52	U	0.52	0.35	ug/Kg	☼	08/03/22 11:39	08/04/22 15:14	1
Perfluoropentanoic acid (PFPeA)	**0.070**	**J**	0.21	0.058	ug/Kg	☼	08/03/22 11:39	08/04/22 15:14	1
Perfluorohexanoic acid (PFHxA)	**0.071**	**J**	0.21	0.048	ug/Kg	☼	08/03/22 11:39	08/04/22 15:14	1
Perfluoroheptanoic acid (PFHpA)	**0.063**	**J**	0.21	0.041	ug/Kg	☼	08/03/22 11:39	08/04/22 15:14	1
Perfluorooctanoic acid (PFOA)	**0.17**	**J**	0.21	0.061	ug/Kg	☼	08/03/22 11:39	08/04/22 15:14	1
Perfluorononanoic acid (PFNA)	0.21	U	0.21	0.036	ug/Kg	☼	08/03/22 11:39	08/04/22 15:14	1
Perfluorodecanoic acid (PFDA)	**0.036**	**J**	0.21	0.029	ug/Kg	☼	08/03/22 11:39	08/04/22 15:14	1
Perfluoroundecanoic acid (PFUnA)	0.21	U	0.21	0.028	ug/Kg	☼	08/03/22 11:39	08/04/22 15:14	1
Perfluorododecanoic acid (PFDoA)	0.21	U	0.21	0.026	ug/Kg	☼	08/03/22 11:39	08/04/22 15:14	1
Perfluorotridecanoic acid (PFTriA)	0.21	U	0.21	0.026	ug/Kg	☼	08/03/22 11:39	08/04/22 15:14	1
Perfluorotetradecanoic acid (PFTeA)	0.21	U	0.21	0.027	ug/Kg	☼	08/03/22 11:39	08/04/22 15:14	1
Perfluorobutanesulfonic acid (PFBS)	0.21	U	0.21	0.035	ug/Kg	☼	08/03/22 11:39	08/04/22 15:14	1
Perfluorohexanesulfonic acid (PFHxS)	0.21	U	0.21	0.043	ug/Kg	☼	08/03/22 11:39	08/04/22 15:14	1
Perfluoroheptanesulfonic acid (PFHpS)	0.21	U	0.21	0.024	ug/Kg	☼	08/03/22 11:39	08/04/22 15:14	1
Perfluorooctanesulfonic acid (PFOS)	0.21	U	0.21	0.12	ug/Kg	☼	08/03/22 11:39	08/04/22 15:14	1
Perfluorodecanesulfonic acid (PFDS)	**0.081**	**J**	0.21	0.020	ug/Kg	☼	08/03/22 11:39	08/04/22 15:14	1
Perfluorooctanesulfonamide (FOSA)	0.21	U	0.21	0.036	ug/Kg	☼	08/03/22 11:39	08/04/22 15:14	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.10	U	2.10	0.12	ug/Kg	☼	08/03/22 11:39	08/04/22 15:14	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.10	U	2.10	0.087	ug/Kg	☼	08/03/22 11:39	08/04/22 15:14	1
6:2 FTS	2.10	U	2.10	0.060	ug/Kg	☼	08/03/22 11:39	08/04/22 15:14	1
8:2 FTS	2.10	U	2.10	0.039	ug/Kg	☼	08/03/22 11:39	08/04/22 15:14	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*87*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:14*	*1*
13C4 PFHpA	*93*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:14*	*1*
13C4 PFOA	*94*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:14*	*1*
13C4 PFOS	*85*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:14*	*1*
13C5 PFNA	*93*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:14*	*1*
13C4 PFBA	*96*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:14*	*1*
13C2 PFHxA	*93*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:14*	*1*
13C2 PFDA	*91*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:14*	*1*
13C2 PFUnA	*94*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:14*	*1*
13C2 PFDoA	*96*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:14*	*1*
13C8 FOSA	*86*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:14*	*1*
13C5 PFPeA	*99*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:14*	*1*
13C2 PFTeDA	*99*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:14*	*1*
d3-NMeFOSAA	*75*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:14*	*1*
d5-NEtFOSAA	*82*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:14*	*1*
M2-6:2 FTS	*80*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:14*	*1*
M2-8:2 FTS	*85*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:14*	*1*
13C3 PFBS	*84*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:14*	*1*

Client Sample ID: BCS-09-42 (5-5.5)P
Date Collected: 07/29/22 10:15
Date Received: 07/29/22 18:00

Lab Sample ID: 460-262897-3
Matrix: Solid
Percent Solids: 82.3

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.58	U	0.58	0.38	ug/Kg	☼	08/03/22 11:39	08/04/22 15:23	1
Perfluoropentanoic acid (PFPeA)	0.23	U	0.23	0.064	ug/Kg	☼	08/03/22 11:39	08/04/22 15:23	1
Perfluorohexanoic acid (PFHxA)	0.23	U	0.23	0.053	ug/Kg	☼	08/03/22 11:39	08/04/22 15:23	1
Perfluoroheptanoic acid (PFHpA)	0.23	U	0.23	0.045	ug/Kg	☼	08/03/22 11:39	08/04/22 15:23	1
Perfluorooctanoic acid (PFOA)	0.23	U	0.23	0.067	ug/Kg	☼	08/03/22 11:39	08/04/22 15:23	1
Perfluorononanoic acid (PFNA)	0.23	U	0.23	0.039	ug/Kg	☼	08/03/22 11:39	08/04/22 15:23	1
Perfluorodecanoic acid (PFDA)	0.23	U	0.23	0.033	ug/Kg	☼	08/03/22 11:39	08/04/22 15:23	1
Perfluoroundecanoic acid (PFUnA)	0.23	U	0.23	0.031	ug/Kg	☼	08/03/22 11:39	08/04/22 15:23	1
Perfluorododecanoic acid (PFDoA)	0.23	U	0.23	0.029	ug/Kg	☼	08/03/22 11:39	08/04/22 15:23	1
Perfluorotridecanoic acid (PFTriA)	0.23	U	0.23	0.029	ug/Kg	☼	08/03/22 11:39	08/04/22 15:23	1
Perfluorotetradecanoic acid (PFTeA)	0.23	U	0.23	0.030	ug/Kg	☼	08/03/22 11:39	08/04/22 15:23	1
Perfluorobutanesulfonic acid (PFBS)	0.23	U	0.23	0.038	ug/Kg	☼	08/03/22 11:39	08/04/22 15:23	1
Perfluorohexanesulfonic acid (PFHxS)	0.23	U	0.23	0.048	ug/Kg	☼	08/03/22 11:39	08/04/22 15:23	1
Perfluoroheptanesulfonic acid (PFHpS)	0.23	U	0.23	0.027	ug/Kg	☼	08/03/22 11:39	08/04/22 15:23	1
Perfluorooctanesulfonic acid (PFOS)	0.23	U	0.23	0.13	ug/Kg	☼	08/03/22 11:39	08/04/22 15:23	1
Perfluorodecanesulfonic acid (PFDS)	**0.049**	**J**	0.23	0.022	ug/Kg	☼	08/03/22 11:39	08/04/22 15:23	1
Perfluorooctanesulfonamide (FOSA)	0.23	U	0.23	0.039	ug/Kg	☼	08/03/22 11:39	08/04/22 15:23	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.32	U	2.32	0.13	ug/Kg	☼	08/03/22 11:39	08/04/22 15:23	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.32	U	2.32	0.096	ug/Kg	☼	08/03/22 11:39	08/04/22 15:23	1
6:2 FTS	2.32	U	2.32	0.066	ug/Kg	☼	08/03/22 11:39	08/04/22 15:23	1
8:2 FTS	2.32	U	2.32	0.043	ug/Kg	☼	08/03/22 11:39	08/04/22 15:23	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*80*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:23*	*1*
13C4 PFHpA	*89*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:23*	*1*
13C4 PFOA	*94*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:23*	*1*
13C4 PFOS	*79*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:23*	*1*
13C5 PFNA	*90*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:23*	*1*
13C4 PFBA	*90*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:23*	*1*
13C2 PFHxA	*92*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:23*	*1*
13C2 PFDA	*88*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:23*	*1*
13C2 PFUnA	*85*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:23*	*1*
13C2 PFDoA	*88*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:23*	*1*
13C8 FOSA	*78*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:23*	*1*
13C5 PFPeA	*91*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:23*	*1*
13C2 PFTeDA	*93*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:23*	*1*
d3-NMeFOSAA	*68*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:23*	*1*
d5-NEtFOSAA	*70*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:23*	*1*
M2-6:2 FTS	*78*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:23*	*1*
M2-8:2 FTS	*80*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:23*	*1*
13C3 PFBS	*81*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:23*	*1*

Client Sample ID: BCS-09-43 (5-5.5)P
Lab Sample ID: 460-262897-4

Date Collected: 07/29/22 10:20
Matrix: Solid

Date Received: 07/29/22 18:00
Percent Solids: 82.9

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.60	U	0.60	0.39	ug/Kg	☼	08/03/22 11:39	08/04/22 15:31	1
Perfluoropentanoic acid (PFPeA)	0.24	U	0.24	0.066	ug/Kg	☼	08/03/22 11:39	08/04/22 15:31	1
Perfluorohexanoic acid (PFHxA)	**0.070**	**J**	0.24	0.055	ug/Kg	☼	08/03/22 11:39	08/04/22 15:31	1
Perfluoroheptanoic acid (PFHpA)	**0.048**	**J**	0.24	0.046	ug/Kg	☼	08/03/22 11:39	08/04/22 15:31	1
Perfluorooctanoic acid (PFOA)	**0.13**	**J**	0.24	0.069	ug/Kg	☼	08/03/22 11:39	08/04/22 15:31	1
Perfluorononanoic acid (PFNA)	0.24	U	0.24	0.041	ug/Kg	☼	08/03/22 11:39	08/04/22 15:31	1
Perfluorodecanoic acid (PFDA)	**0.041**	**J**	0.24	0.033	ug/Kg	☼	08/03/22 11:39	08/04/22 15:31	1
Perfluoroundecanoic acid (PFUnA)	0.24	U	0.24	0.032	ug/Kg	☼	08/03/22 11:39	08/04/22 15:31	1
Perfluorododecanoic acid (PFDoA)	0.24	U	0.24	0.030	ug/Kg	☼	08/03/22 11:39	08/04/22 15:31	1
Perfluorotridecanoic acid (PFTriA)	0.24	U	0.24	0.030	ug/Kg	☼	08/03/22 11:39	08/04/22 15:31	1
Perfluorotetradecanoic acid (PFTeA)	0.24	U	0.24	0.031	ug/Kg	☼	08/03/22 11:39	08/04/22 15:31	1
Perfluorobutanesulfonic acid (PFBS)	0.24	U	0.24	0.039	ug/Kg	☼	08/03/22 11:39	08/04/22 15:31	1
Perfluorohexanesulfonic acid (PFHxS)	0.24	U	0.24	0.049	ug/Kg	☼	08/03/22 11:39	08/04/22 15:31	1
Perfluoroheptanesulfonic acid (PFHpS)	0.24	U	0.24	0.027	ug/Kg	☼	08/03/22 11:39	08/04/22 15:31	1
Perfluorooctanesulfonic acid (PFOS)	0.24	U	0.24	0.13	ug/Kg	☼	08/03/22 11:39	08/04/22 15:31	1
Perfluorodecanesulfonic acid (PFDS)	**0.045**	**J**	0.24	0.023	ug/Kg	☼	08/03/22 11:39	08/04/22 15:31	1
Perfluorooctanesulfonamide (FOSA)	0.24	U	0.24	0.041	ug/Kg	☼	08/03/22 11:39	08/04/22 15:31	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.38	U	2.38	0.13	ug/Kg	☼	08/03/22 11:39	08/04/22 15:31	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.38	U	2.38	0.099	ug/Kg	☼	08/03/22 11:39	08/04/22 15:31	1
6:2 FTS	2.38	U	2.38	0.068	ug/Kg	☼	08/03/22 11:39	08/04/22 15:31	1
8:2 FTS	2.38	U	2.38	0.044	ug/Kg	☼	08/03/22 11:39	08/04/22 15:31	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*89*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:31*	*1*
13C4 PFHpA	*90*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:31*	*1*
13C4 PFOA	*96*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:31*	*1*
13C4 PFOS	*85*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:31*	*1*
13C5 PFNA	*95*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:31*	*1*
13C4 PFBA	*91*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:31*	*1*
13C2 PFHxA	*96*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:31*	*1*
13C2 PFDA	*91*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:31*	*1*
13C2 PFUnA	*89*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:31*	*1*
13C2 PFDoA	*90*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:31*	*1*
13C8 FOSA	*83*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:31*	*1*
13C5 PFPeA	*98*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:31*	*1*
13C2 PFTeDA	*100*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:31*	*1*
d3-NMeFOSAA	*74*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:31*	*1*
d5-NEtFOSAA	*76*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:31*	*1*
M2-6:2 FTS	*89*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:31*	*1*
M2-8:2 FTS	*88*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:31*	*1*
13C3 PFBS	*86*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:31*	*1*

Client Sample ID: BCS-09-36 (6-6.5)P
Lab Sample ID: 460-262897-5

Date Collected: 07/29/22 09:45
Matrix: Solid

Date Received: 07/29/22 18:00
Percent Solids: 95.5

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.50	U	0.50	0.33	ug/Kg	☼	08/03/22 11:39	08/04/22 15:47	1
Perfluoropentanoic acid (PFPeA)	**0.066**	**J**	0.20	0.055	ug/Kg	☼	08/03/22 11:39	08/04/22 15:47	1
Perfluorohexanoic acid (PFHxA)	**0.075**	**J**	0.20	0.046	ug/Kg	☼	08/03/22 11:39	08/04/22 15:47	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.039	ug/Kg	☼	08/03/22 11:39	08/04/22 15:47	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.058	ug/Kg	☼	08/03/22 11:39	08/04/22 15:47	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.034	ug/Kg	☼	08/03/22 11:39	08/04/22 15:47	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.028	ug/Kg	☼	08/03/22 11:39	08/04/22 15:47	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.027	ug/Kg	☼	08/03/22 11:39	08/04/22 15:47	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.025	ug/Kg	☼	08/03/22 11:39	08/04/22 15:47	1
Perfluorotridecanoic acid (PFTriA)	0.20	U	0.20	0.025	ug/Kg	☼	08/03/22 11:39	08/04/22 15:47	1
Perfluorotetradecanoic acid (PFTeA)	0.20	U	0.20	0.026	ug/Kg	☼	08/03/22 11:39	08/04/22 15:47	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.033	ug/Kg	☼	08/03/22 11:39	08/04/22 15:47	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.041	ug/Kg	☼	08/03/22 11:39	08/04/22 15:47	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.023	ug/Kg	☼	08/03/22 11:39	08/04/22 15:47	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.11	ug/Kg	☼	08/03/22 11:39	08/04/22 15:47	1
Perfluorodecanesulfonic acid (PFDS)	**0.12**	**J**	0.20	0.019	ug/Kg	☼	08/03/22 11:39	08/04/22 15:47	1
Perfluorooctanesulfonamide (FOSA)	0.20	U	0.20	0.034	ug/Kg	☼	08/03/22 11:39	08/04/22 15:47	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.99	U	1.99	0.11	ug/Kg	☼	08/03/22 11:39	08/04/22 15:47	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.99	U	1.99	0.083	ug/Kg	☼	08/03/22 11:39	08/04/22 15:47	1
6:2 FTS	1.99	U	1.99	0.057	ug/Kg	☼	08/03/22 11:39	08/04/22 15:47	1
8:2 FTS	1.99	U	1.99	0.037	ug/Kg	☼	08/03/22 11:39	08/04/22 15:47	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*78*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:47*	*1*
13C4 PFHpA	*92*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:47*	*1*
13C4 PFOA	*91*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:47*	*1*
13C4 PFOS	*79*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:47*	*1*
13C5 PFNA	*90*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:47*	*1*
13C4 PFBA	*92*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:47*	*1*
13C2 PFHxA	*91*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:47*	*1*
13C2 PFDA	*86*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:47*	*1*
13C2 PFUnA	*93*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:47*	*1*
13C2 PFDoA	*88*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:47*	*1*
13C8 FOSA	*80*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:47*	*1*
13C5 PFPeA	*92*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:47*	*1*
13C2 PFTeDA	*96*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:47*	*1*
d3-NMeFOSAA	*71*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:47*	*1*
d5-NEtFOSAA	*75*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:47*	*1*
M2-6:2 FTS	*73*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:47*	*1*
M2-8:2 FTS	*77*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:47*	*1*
13C3 PFBS	*80*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:47*	*1*

Client Sample ID: BCS-09-37 (6-6.5)P
Lab Sample ID: 460-262897-6

Date Collected: 07/29/22 09:50
Matrix: Solid

Date Received: 07/29/22 18:00
Percent Solids: 91.5

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.54	U	0.54	0.35	ug/Kg	☼	08/03/22 11:39	08/04/22 15:55	1
Perfluoropentanoic acid (PFPeA)	0.22	U	0.22	0.059	ug/Kg	☼	08/03/22 11:39	08/04/22 15:55	1
Perfluorohexanoic acid (PFHxA)	**0.053**	**J**	0.22	0.049	ug/Kg	☼	08/03/22 11:39	08/04/22 15:55	1
Perfluoroheptanoic acid (PFHpA)	**0.047**	**J**	0.22	0.042	ug/Kg	☼	08/03/22 11:39	08/04/22 15:55	1
Perfluorooctanoic acid (PFOA)	**0.096**	**J**	0.22	0.062	ug/Kg	☼	08/03/22 11:39	08/04/22 15:55	1
Perfluorononanoic acid (PFNA)	**0.048**	**J**	0.22	0.037	ug/Kg	☼	08/03/22 11:39	08/04/22 15:55	1
Perfluorodecanoic acid (PFDA)	**0.085**	**J**	0.22	0.030	ug/Kg	☼	08/03/22 11:39	08/04/22 15:55	1
Perfluoroundecanoic acid (PFUnA)	0.22	U	0.22	0.029	ug/Kg	☼	08/03/22 11:39	08/04/22 15:55	1
Perfluorododecanoic acid (PFDoA)	**0.029**	**J**	0.22	0.027	ug/Kg	☼	08/03/22 11:39	08/04/22 15:55	1
Perfluorotridecanoic acid (PFTriA)	0.22	U	0.22	0.027	ug/Kg	☼	08/03/22 11:39	08/04/22 15:55	1
Perfluorotetradecanoic acid (PFTeA)	0.22	U	0.22	0.028	ug/Kg	☼	08/03/22 11:39	08/04/22 15:55	1
Perfluorobutanesulfonic acid (PFBS)	0.22	U	0.22	0.035	ug/Kg	☼	08/03/22 11:39	08/04/22 15:55	1
Perfluorohexanesulfonic acid (PFHxS)	0.22	U	0.22	0.044	ug/Kg	☼	08/03/22 11:39	08/04/22 15:55	1
Perfluoroheptanesulfonic acid (PFHpS)	0.22	U	0.22	0.025	ug/Kg	☼	08/03/22 11:39	08/04/22 15:55	1
Perfluorooctanesulfonic acid (PFOS)	**0.30**		0.22	0.12	ug/Kg	☼	08/03/22 11:39	08/04/22 15:55	1
Perfluorodecanesulfonic acid (PFDS)	**0.62**		0.22	0.020	ug/Kg	☼	08/03/22 11:39	08/04/22 15:55	1
Perfluorooctanesulfonamide (FOSA)	0.22	U	0.22	0.037	ug/Kg	☼	08/03/22 11:39	08/04/22 15:55	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.15	U	2.15	0.12	ug/Kg	☼	08/03/22 11:39	08/04/22 15:55	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.15	U	2.15	0.089	ug/Kg	☼	08/03/22 11:39	08/04/22 15:55	1
6:2 FTS	2.15	U	2.15	0.061	ug/Kg	☼	08/03/22 11:39	08/04/22 15:55	1
8:2 FTS	2.15	U	2.15	0.040	ug/Kg	☼	08/03/22 11:39	08/04/22 15:55	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*89*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:55*	*1*
13C4 PFHpA	*96*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:55*	*1*
13C4 PFOA	*95*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:55*	*1*
13C4 PFOS	*84*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:55*	*1*
13C5 PFNA	*96*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:55*	*1*
13C4 PFBA	*97*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:55*	*1*
13C2 PFHxA	*92*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:55*	*1*
13C2 PFDA	*97*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:55*	*1*
13C2 PFUnA	*102*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:55*	*1*
13C2 PFDoA	*96*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:55*	*1*
13C8 FOSA	*84*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:55*	*1*
13C5 PFPeA	*93*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:55*	*1*
13C2 PFTeDA	*102*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:55*	*1*
d3-NMeFOSAA	*78*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:55*	*1*
d5-NEtFOSAA	*82*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:55*	*1*
M2-6:2 FTS	*84*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:55*	*1*
M2-8:2 FTS	*93*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:55*	*1*
13C3 PFBS	*81*		*50 - 150*	*08/03/22 11:39*	*08/04/22 15:55*	*1*

Client Sample ID: BCS-09-38 (6-6.5)P
Lab Sample ID: 460-262897-7

Date Collected: 07/29/22 09:55
Matrix: Solid
Date Received: 07/29/22 18:00
Percent Solids: 88.8

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.54	U	0.54	0.36	ug/Kg	☼	08/03/22 11:39	08/04/22 16:03	1
Perfluoropentanoic acid (PFPeA)	0.22	U	0.22	0.059	ug/Kg	☼	08/03/22 11:39	08/04/22 16:03	1
Perfluorohexanoic acid (PFHxA)	**0.060**	**J**	0.22	0.050	ug/Kg	☼	08/03/22 11:39	08/04/22 16:03	1
Perfluoroheptanoic acid (PFHpA)	0.22	U	0.22	0.042	ug/Kg	☼	08/03/22 11:39	08/04/22 16:03	1
Perfluorooctanoic acid (PFOA)	0.22	U	0.22	0.063	ug/Kg	☼	08/03/22 11:39	08/04/22 16:03	1
Perfluorononanoic acid (PFNA)	0.22	U	0.22	0.037	ug/Kg	☼	08/03/22 11:39	08/04/22 16:03	1
Perfluorodecanoic acid (PFDA)	0.22	U	0.22	0.030	ug/Kg	☼	08/03/22 11:39	08/04/22 16:03	1
Perfluoroundecanoic acid (PFUnA)	0.22	U	0.22	0.029	ug/Kg	☼	08/03/22 11:39	08/04/22 16:03	1
Perfluorododecanoic acid (PFDoA)	0.22	U	0.22	0.027	ug/Kg	☼	08/03/22 11:39	08/04/22 16:03	1
Perfluorotridecanoic acid (PFTriA)	0.22	U	0.22	0.027	ug/Kg	☼	08/03/22 11:39	08/04/22 16:03	1
Perfluorotetradecanoic acid (PFTeA)	0.22	U	0.22	0.028	ug/Kg	☼	08/03/22 11:39	08/04/22 16:03	1
Perfluorobutanesulfonic acid (PFBS)	0.22	U	0.22	0.036	ug/Kg	☼	08/03/22 11:39	08/04/22 16:03	1
Perfluorohexanesulfonic acid (PFHxS)	0.22	U	0.22	0.044	ug/Kg	☼	08/03/22 11:39	08/04/22 16:03	1
Perfluoroheptanesulfonic acid (PFHpS)	0.22	U	0.22	0.025	ug/Kg	☼	08/03/22 11:39	08/04/22 16:03	1
Perfluorooctanesulfonic acid (PFOS)	0.22	U	0.22	0.12	ug/Kg	☼	08/03/22 11:39	08/04/22 16:03	1
Perfluorodecanesulfonic acid (PFDS)	0.22	U	0.22	0.021	ug/Kg	☼	08/03/22 11:39	08/04/22 16:03	1
Perfluorooctanesulfonamide (FOSA)	0.22	U	0.22	0.037	ug/Kg	☼	08/03/22 11:39	08/04/22 16:03	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.16	U	2.16	0.12	ug/Kg	☼	08/03/22 11:39	08/04/22 16:03	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.16	U	2.16	0.090	ug/Kg	☼	08/03/22 11:39	08/04/22 16:03	1
6:2 FTS	**0.081**	**J**	2.16	0.062	ug/Kg	☼	08/03/22 11:39	08/04/22 16:03	1
8:2 FTS	2.16	U	2.16	0.040	ug/Kg	☼	08/03/22 11:39	08/04/22 16:03	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*80*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:03*	*1*
13C4 PFHpA	*92*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:03*	*1*
13C4 PFOA	*92*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:03*	*1*
13C4 PFOS	*79*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:03*	*1*
13C5 PFNA	*92*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:03*	*1*
13C4 PFBA	*91*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:03*	*1*
13C2 PFHxA	*95*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:03*	*1*
13C2 PFDA	*98*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:03*	*1*
13C2 PFUnA	*94*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:03*	*1*
13C2 PFDoA	*98*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:03*	*1*
13C8 FOSA	*80*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:03*	*1*
13C5 PFPeA	*96*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:03*	*1*
13C2 PFTeDA	*94*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:03*	*1*
d3-NMeFOSAA	*74*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:03*	*1*
d5-NEtFOSAA	*81*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:03*	*1*
M2-6:2 FTS	*81*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:03*	*1*
M2-8:2 FTS	*87*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:03*	*1*
13C3 PFBS	*81*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:03*	*1*

Client Sample ID: BCS-09-39 (6-6.5)P
Lab Sample ID: 460-262897-8

Date Collected: 07/29/22 10:00
Matrix: Solid

Date Received: 07/29/22 18:00
Percent Solids: 91.4

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.52	U	0.52	0.35	ug/Kg	☼	08/03/22 11:39	08/04/22 16:12	1
Perfluoropentanoic acid (PFPeA)	**0.071**	**J**	0.21	0.058	ug/Kg	☼	08/03/22 11:39	08/04/22 16:12	1
Perfluorohexanoic acid (PFHxA)	**0.087**	**J**	0.21	0.048	ug/Kg	☼	08/03/22 11:39	08/04/22 16:12	1
Perfluoroheptanoic acid (PFHpA)	0.21	U	0.21	0.041	ug/Kg	☼	08/03/22 11:39	08/04/22 16:12	1
Perfluorooctanoic acid (PFOA)	0.21	U	0.21	0.061	ug/Kg	☼	08/03/22 11:39	08/04/22 16:12	1
Perfluorononanoic acid (PFNA)	0.21	U	0.21	0.036	ug/Kg	☼	08/03/22 11:39	08/04/22 16:12	1
Perfluorodecanoic acid (PFDA)	0.21	U	0.21	0.029	ug/Kg	☼	08/03/22 11:39	08/04/22 16:12	1
Perfluoroundecanoic acid (PFUnA)	0.21	U	0.21	0.028	ug/Kg	☼	08/03/22 11:39	08/04/22 16:12	1
Perfluorododecanoic acid (PFDoA)	0.21	U	0.21	0.026	ug/Kg	☼	08/03/22 11:39	08/04/22 16:12	1
Perfluorotridecanoic acid (PFTriA)	0.21	U	0.21	0.026	ug/Kg	☼	08/03/22 11:39	08/04/22 16:12	1
Perfluorotetradecanoic acid (PFTeA)	0.21	U	0.21	0.027	ug/Kg	☼	08/03/22 11:39	08/04/22 16:12	1
Perfluorobutanesulfonic acid (PFBS)	0.21	U	0.21	0.035	ug/Kg	☼	08/03/22 11:39	08/04/22 16:12	1
Perfluorohexanesulfonic acid (PFHxS)	0.21	U	0.21	0.043	ug/Kg	☼	08/03/22 11:39	08/04/22 16:12	1
Perfluoroheptanesulfonic acid (PFHpS)	0.21	U	0.21	0.024	ug/Kg	☼	08/03/22 11:39	08/04/22 16:12	1
Perfluorooctanesulfonic acid (PFOS)	0.21	U	0.21	0.12	ug/Kg	☼	08/03/22 11:39	08/04/22 16:12	1
Perfluorodecanesulfonic acid (PFDS)	**0.052**	**J**	0.21	0.020	ug/Kg	☼	08/03/22 11:39	08/04/22 16:12	1
Perfluorooctanesulfonamide (FOSA)	0.21	U	0.21	0.036	ug/Kg	☼	08/03/22 11:39	08/04/22 16:12	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.10	U	2.10	0.12	ug/Kg	☼	08/03/22 11:39	08/04/22 16:12	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.10	U	2.10	0.087	ug/Kg	☼	08/03/22 11:39	08/04/22 16:12	1
6:2 FTS	2.10	U	2.10	0.060	ug/Kg	☼	08/03/22 11:39	08/04/22 16:12	1
8:2 FTS	2.10	U	2.10	0.039	ug/Kg	☼	08/03/22 11:39	08/04/22 16:12	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*95*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:12*	*1*
13C4 PFHpA	*102*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:12*	*1*
13C4 PFOA	*99*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:12*	*1*
13C4 PFOS	*95*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:12*	*1*
13C5 PFNA	*101*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:12*	*1*
13C4 PFBA	*100*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:12*	*1*
13C2 PFHxA	*102*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:12*	*1*
13C2 PFDA	*99*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:12*	*1*
13C2 PFUnA	*103*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:12*	*1*
13C2 PFDoA	*102*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:12*	*1*
13C8 FOSA	*91*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:12*	*1*
13C5 PFPeA	*97*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:12*	*1*
13C2 PFTeDA	*106*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:12*	*1*
d3-NMeFOSAA	*80*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:12*	*1*
d5-NEtFOSAA	*88*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:12*	*1*
M2-6:2 FTS	*95*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:12*	*1*
M2-8:2 FTS	*101*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:12*	*1*
13C3 PFBS	*91*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:12*	*1*

Client Sample ID: BCS-09-24 (5-5.5)P
Date Collected: 07/29/22 12:30
Date Received: 07/29/22 18:00

Lab Sample ID: 460-262897-9
Matrix: Solid
Percent Solids: 94.2

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.52	U	0.52	0.34	ug/Kg	☼	08/03/22 11:39	08/04/22 16:20	1
Perfluoropentanoic acid (PFPeA)	0.21	U	0.21	0.057	ug/Kg	☼	08/03/22 11:39	08/04/22 16:20	1
Perfluorohexanoic acid (PFHxA)	**0.057**	**J**	0.21	0.048	ug/Kg	☼	08/03/22 11:39	08/04/22 16:20	1
Perfluoroheptanoic acid (PFHpA)	0.21	U	0.21	0.041	ug/Kg	☼	08/03/22 11:39	08/04/22 16:20	1
Perfluorooctanoic acid (PFOA)	0.21	U	0.21	0.060	ug/Kg	☼	08/03/22 11:39	08/04/22 16:20	1
Perfluorononanoic acid (PFNA)	0.21	U	0.21	0.035	ug/Kg	☼	08/03/22 11:39	08/04/22 16:20	1
Perfluorodecanoic acid (PFDA)	0.21	U	0.21	0.029	ug/Kg	☼	08/03/22 11:39	08/04/22 16:20	1
Perfluoroundecanoic acid (PFUnA)	0.21	U	0.21	0.028	ug/Kg	☼	08/03/22 11:39	08/04/22 16:20	1
Perfluorododecanoic acid (PFDoA)	0.21	U	0.21	0.026	ug/Kg	☼	08/03/22 11:39	08/04/22 16:20	1
Perfluorotridecanoic acid (PFTriA)	0.21	U	0.21	0.026	ug/Kg	☼	08/03/22 11:39	08/04/22 16:20	1
Perfluorotetradecanoic acid (PFTeA)	0.21	U	0.21	0.027	ug/Kg	☼	08/03/22 11:39	08/04/22 16:20	1
Perfluorobutanesulfonic acid (PFBS)	0.21	U	0.21	0.034	ug/Kg	☼	08/03/22 11:39	08/04/22 16:20	1
Perfluorohexanesulfonic acid (PFHxS)	0.21	U	0.21	0.043	ug/Kg	☼	08/03/22 11:39	08/04/22 16:20	1
Perfluoroheptanesulfonic acid (PFHpS)	0.21	U	0.21	0.024	ug/Kg	☼	08/03/22 11:39	08/04/22 16:20	1
Perfluorooctanesulfonic acid (PFOS)	0.21	U	0.21	0.11	ug/Kg	☼	08/03/22 11:39	08/04/22 16:20	1
Perfluorodecanesulfonic acid (PFDS)	**0.069**	**J**	0.21	0.020	ug/Kg	☼	08/03/22 11:39	08/04/22 16:20	1
Perfluorooctanesulfonamide (FOSA)	0.21	U	0.21	0.035	ug/Kg	☼	08/03/22 11:39	08/04/22 16:20	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.09	U	2.09	0.11	ug/Kg	☼	08/03/22 11:39	08/04/22 16:20	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.09	U	2.09	0.087	ug/Kg	☼	08/03/22 11:39	08/04/22 16:20	1
6:2 FTS	2.09	U	2.09	0.059	ug/Kg	☼	08/03/22 11:39	08/04/22 16:20	1
8:2 FTS	2.09	U	2.09	0.039	ug/Kg	☼	08/03/22 11:39	08/04/22 16:20	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*82*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:20*	*1*
13C4 PFHpA	*92*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:20*	*1*
13C4 PFOA	*92*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:20*	*1*
13C4 PFOS	*79*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:20*	*1*
13C5 PFNA	*88*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:20*	*1*
13C4 PFBA	*94*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:20*	*1*
13C2 PFHxA	*97*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:20*	*1*
13C2 PFDA	*90*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:20*	*1*
13C2 PFUnA	*91*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:20*	*1*
13C2 PFDoA	*91*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:20*	*1*
13C8 FOSA	*77*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:20*	*1*
13C5 PFPeA	*97*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:20*	*1*
13C2 PFTeDA	*92*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:20*	*1*
d3-NMeFOSAA	*75*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:20*	*1*
d5-NEtFOSAA	*75*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:20*	*1*
M2-6:2 FTS	*78*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:20*	*1*
M2-8:2 FTS	*78*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:20*	*1*
13C3 PFBS	*83*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:20*	*1*

Client Sample ID: BCS-09-25 (5-5.5)P
Lab Sample ID: 460-262897-10

Date Collected: 07/29/22 12:40
Matrix: Solid

Date Received: 07/29/22 18:00
Percent Solids: 95.5

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.50	U	0.50	0.33	ug/Kg	☼	08/03/22 11:39	08/04/22 16:28	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.055	ug/Kg	☼	08/03/22 11:39	08/04/22 16:28	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.046	ug/Kg	☼	08/03/22 11:39	08/04/22 16:28	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.039	ug/Kg	☼	08/03/22 11:39	08/04/22 16:28	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.058	ug/Kg	☼	08/03/22 11:39	08/04/22 16:28	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.034	ug/Kg	☼	08/03/22 11:39	08/04/22 16:28	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.028	ug/Kg	☼	08/03/22 11:39	08/04/22 16:28	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.027	ug/Kg	☼	08/03/22 11:39	08/04/22 16:28	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.025	ug/Kg	☼	08/03/22 11:39	08/04/22 16:28	1
Perfluorotridecanoic acid (PFTriA)	0.20	U	0.20	0.025	ug/Kg	☼	08/03/22 11:39	08/04/22 16:28	1
Perfluorotetradecanoic acid (PFTeA)	0.20	U	0.20	0.026	ug/Kg	☼	08/03/22 11:39	08/04/22 16:28	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.033	ug/Kg	☼	08/03/22 11:39	08/04/22 16:28	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.041	ug/Kg	☼	08/03/22 11:39	08/04/22 16:28	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.023	ug/Kg	☼	08/03/22 11:39	08/04/22 16:28	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.11	ug/Kg	☼	08/03/22 11:39	08/04/22 16:28	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.019	ug/Kg	☼	08/03/22 11:39	08/04/22 16:28	1
Perfluorooctanesulfonamide (FOSA)	0.20	U	0.20	0.034	ug/Kg	☼	08/03/22 11:39	08/04/22 16:28	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	U	2.00	0.11	ug/Kg	☼	08/03/22 11:39	08/04/22 16:28	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	U	2.00	0.083	ug/Kg	☼	08/03/22 11:39	08/04/22 16:28	1
6:2 FTS	2.00	U	2.00	0.057	ug/Kg	☼	08/03/22 11:39	08/04/22 16:28	1
8:2 FTS	2.00	U	2.00	0.037	ug/Kg	☼	08/03/22 11:39	08/04/22 16:28	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*93*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:28*	*1*
13C4 PFHpA	*99*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:28*	*1*
13C4 PFOA	*97*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:28*	*1*
13C4 PFOS	*87*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:28*	*1*
13C5 PFNA	*94*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:28*	*1*
13C4 PFBA	*97*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:28*	*1*
13C2 PFHxA	*99*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:28*	*1*
13C2 PFDA	*90*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:28*	*1*
13C2 PFUnA	*89*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:28*	*1*
13C2 PFDoA	*85*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:28*	*1*
13C8 FOSA	*78*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:28*	*1*
13C5 PFPeA	*100*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:28*	*1*
13C2 PFTeDA	*87*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:28*	*1*
d3-NMeFOSAA	*75*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:28*	*1*
d5-NEtFOSAA	*71*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:28*	*1*
M2-6:2 FTS	*91*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:28*	*1*
M2-8:2 FTS	*90*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:28*	*1*
13C3 PFBS	*90*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:28*	*1*

Client Sample ID: BCS-09-26 (5-5.5)P
Lab Sample ID: 460-262897-11

Date Collected: 07/29/22 12:50
Matrix: Solid
Date Received: 07/29/22 18:00
Percent Solids: 88.5

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.53	U	0.53	0.35	ug/Kg	☼	08/03/22 11:39	08/04/22 16:36	1
Perfluoropentanoic acid (PFPeA)	0.21	U	0.21	0.058	ug/Kg	☼	08/03/22 11:39	08/04/22 16:36	1
Perfluorohexanoic acid (PFHxA)	0.21	U	0.21	0.049	ug/Kg	☼	08/03/22 11:39	08/04/22 16:36	1
Perfluoroheptanoic acid (PFHpA)	0.21	U	0.21	0.041	ug/Kg	☼	08/03/22 11:39	08/04/22 16:36	1
Perfluorooctanoic acid (PFOA)	0.21	U	0.21	0.062	ug/Kg	☼	08/03/22 11:39	08/04/22 16:36	1
Perfluorononanoic acid (PFNA)	0.21	U	0.21	0.036	ug/Kg	☼	08/03/22 11:39	08/04/22 16:36	1
Perfluorodecanoic acid (PFDA)	0.21	U	0.21	0.030	ug/Kg	☼	08/03/22 11:39	08/04/22 16:36	1
Perfluoroundecanoic acid (PFUnA)	0.21	U	0.21	0.029	ug/Kg	☼	08/03/22 11:39	08/04/22 16:36	1
Perfluorododecanoic acid (PFDoA)	0.21	U	0.21	0.027	ug/Kg	☼	08/03/22 11:39	08/04/22 16:36	1
Perfluorotridecanoic acid (PFTriA)	0.21	U	0.21	0.027	ug/Kg	☼	08/03/22 11:39	08/04/22 16:36	1
Perfluorotetradecanoic acid (PFTeA)	0.21	U	0.21	0.028	ug/Kg	☼	08/03/22 11:39	08/04/22 16:36	1
Perfluorobutanesulfonic acid (PFBS)	0.21	U	0.21	0.035	ug/Kg	☼	08/03/22 11:39	08/04/22 16:36	1
Perfluorohexanesulfonic acid (PFHxS)	0.21	U	0.21	0.043	ug/Kg	☼	08/03/22 11:39	08/04/22 16:36	1
Perfluoroheptanesulfonic acid (PFHpS)	0.21	U	0.21	0.024	ug/Kg	☼	08/03/22 11:39	08/04/22 16:36	1
Perfluorooctanesulfonic acid (PFOS)	0.21	U	0.21	0.12	ug/Kg	☼	08/03/22 11:39	08/04/22 16:36	1
Perfluorodecanesulfonic acid (PFDS)	0.21	U	0.21	0.020	ug/Kg	☼	08/03/22 11:39	08/04/22 16:36	1
Perfluorooctanesulfonamide (FOSA)	0.21	U	0.21	0.036	ug/Kg	☼	08/03/22 11:39	08/04/22 16:36	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.12	U	2.12	0.12	ug/Kg	☼	08/03/22 11:39	08/04/22 16:36	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.12	U	2.12	0.088	ug/Kg	☼	08/03/22 11:39	08/04/22 16:36	1
6:2 FTS	2.12	U	2.12	0.060	ug/Kg	☼	08/03/22 11:39	08/04/22 16:36	1
8:2 FTS	2.12	U	2.12	0.039	ug/Kg	☼	08/03/22 11:39	08/04/22 16:36	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*82*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:36*	*1*
13C4 PFHpA	*89*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:36*	*1*
13C4 PFOA	*90*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:36*	*1*
13C4 PFOS	*77*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:36*	*1*
13C5 PFNA	*89*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:36*	*1*
13C4 PFBA	*91*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:36*	*1*
13C2 PFHxA	*94*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:36*	*1*
13C2 PFDA	*87*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:36*	*1*
13C2 PFUnA	*88*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:36*	*1*
13C2 PFDoA	*85*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:36*	*1*
13C8 FOSA	*75*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:36*	*1*
13C5 PFPeA	*94*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:36*	*1*
13C2 PFTeDA	*87*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:36*	*1*
d3-NMeFOSAA	*73*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:36*	*1*
d5-NEtFOSAA	*70*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:36*	*1*
M2-6:2 FTS	*73*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:36*	*1*
M2-8:2 FTS	*76*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:36*	*1*
13C3 PFBS	*82*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:36*	*1*

Client Sample ID: BCS-09-27 (5-5.5)P
Lab Sample ID: 460-262897-12

Date Collected: 07/29/22 13:00
Matrix: Solid
Date Received: 07/29/22 18:00
Percent Solids: 95.0

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.51	U	0.51	0.34	ug/Kg	☼	08/03/22 11:39	08/04/22 16:44	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.056	ug/Kg	☼	08/03/22 11:39	08/04/22 16:44	1
Perfluorohexanoic acid (PFHxA)	**0.092**	**J**	0.20	0.047	ug/Kg	☼	08/03/22 11:39	08/04/22 16:44	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.040	ug/Kg	☼	08/03/22 11:39	08/04/22 16:44	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.059	ug/Kg	☼	08/03/22 11:39	08/04/22 16:44	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.035	ug/Kg	☼	08/03/22 11:39	08/04/22 16:44	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.029	ug/Kg	☼	08/03/22 11:39	08/04/22 16:44	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.028	ug/Kg	☼	08/03/22 11:39	08/04/22 16:44	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.026	ug/Kg	☼	08/03/22 11:39	08/04/22 16:44	1
Perfluorotridecanoic acid (PFTriA)	0.20	U	0.20	0.026	ug/Kg	☼	08/03/22 11:39	08/04/22 16:44	1
Perfluorotetradecanoic acid (PFTeA)	0.20	U	0.20	0.027	ug/Kg	☼	08/03/22 11:39	08/04/22 16:44	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.034	ug/Kg	☼	08/03/22 11:39	08/04/22 16:44	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.042	ug/Kg	☼	08/03/22 11:39	08/04/22 16:44	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.024	ug/Kg	☼	08/03/22 11:39	08/04/22 16:44	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.11	ug/Kg	☼	08/03/22 11:39	08/04/22 16:44	1
Perfluorodecanesulfonic acid (PFDS)	**0.060**	**J**	0.20	0.019	ug/Kg	☼	08/03/22 11:39	08/04/22 16:44	1
Perfluorooctanesulfonamide (FOSA)	0.20	U	0.20	0.035	ug/Kg	☼	08/03/22 11:39	08/04/22 16:44	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.04	U	2.04	0.11	ug/Kg	☼	08/03/22 11:39	08/04/22 16:44	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.04	U	2.04	0.085	ug/Kg	☼	08/03/22 11:39	08/04/22 16:44	1
6:2 FTS	2.04	U	2.04	0.058	ug/Kg	☼	08/03/22 11:39	08/04/22 16:44	1
8:2 FTS	2.04	U	2.04	0.038	ug/Kg	☼	08/03/22 11:39	08/04/22 16:44	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*79*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:44*	*1*
13C4 PFHpA	*93*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:44*	*1*
13C4 PFOA	*94*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:44*	*1*
13C4 PFOS	*78*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:44*	*1*
13C5 PFNA	*92*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:44*	*1*
13C4 PFBA	*93*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:44*	*1*
13C2 PFHxA	*92*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:44*	*1*
13C2 PFDA	*90*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:44*	*1*
13C2 PFUnA	*92*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:44*	*1*
13C2 PFDoA	*92*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:44*	*1*
13C8 FOSA	*78*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:44*	*1*
13C5 PFPeA	*96*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:44*	*1*
13C2 PFTeDA	*96*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:44*	*1*
d3-NMeFOSAA	*74*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:44*	*1*
d5-NEtFOSAA	*74*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:44*	*1*
M2-6:2 FTS	*77*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:44*	*1*
M2-8:2 FTS	*79*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:44*	*1*
13C3 PFBS	*79*		*50 - 150*	*08/03/22 11:39*	*08/04/22 16:44*	*1*

Client Sample ID: FB_20220729
Lab Sample ID: 460-262897-13

Date Collected: 07/29/22 13:05
Matrix: Water
Date Received: 07/29/22 18:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.34	U	4.34	1.04	ng/L		08/04/22 11:45	08/04/22 17:58	1
Perfluoropentanoic acid (PFPeA)	1.74	U	1.74	0.59	ng/L		08/04/22 11:45	08/04/22 17:58	1
Perfluorohexanoic acid (PFHxA)	1.74	U	1.74	0.56	ng/L		08/04/22 11:45	08/04/22 17:58	1
Perfluoroheptanoic acid (PFHpA)	1.74	U	1.74	0.47	ng/L		08/04/22 11:45	08/04/22 17:58	1
Perfluorooctanoic acid (PFOA)	1.74	U	1.74	0.66	ng/L		08/04/22 11:45	08/04/22 17:58	1
Perfluorononanoic acid (PFNA)	1.74	U	1.74	0.43	ng/L		08/04/22 11:45	08/04/22 17:58	1
Perfluorodecanoic acid (PFDA)	1.74	U	1.74	0.40	ng/L		08/04/22 11:45	08/04/22 17:58	1
Perfluoroundecanoic acid (PFUnA)	1.74	U	1.74	0.48	ng/L		08/04/22 11:45	08/04/22 17:58	1
Perfluorododecanoic acid (PFDoA)	1.74	U	1.74	0.43	ng/L		08/04/22 11:45	08/04/22 17:58	1
Perfluorotridecanoic acid (PFTriA)	1.74	U	1.74	0.42	ng/L		08/04/22 11:45	08/04/22 17:58	1
Perfluorotetradecanoic acid (PFTeA)	1.74	U	1.74	0.56	ng/L		08/04/22 11:45	08/04/22 17:58	1
Perfluorobutanesulfonic acid (PFBS)	1.74	U	1.74	0.54	ng/L		08/04/22 11:45	08/04/22 17:58	1
Perfluorohexanesulfonic acid (PFHxS)	1.74	U	1.74	0.48	ng/L		08/04/22 11:45	08/04/22 17:58	1
Perfluoroheptanesulfonic acid (PFHpS)	1.74	U	1.74	0.36	ng/L		08/04/22 11:45	08/04/22 17:58	1
Perfluorodecanesulfonic acid (PFDS)	1.74	U	1.74	0.35	ng/L		08/04/22 11:45	08/04/22 17:58	1
Perfluorooctanesulfonic acid (PFOS)	1.74	U	1.74	0.74	ng/L		08/04/22 11:45	08/04/22 17:58	1
Perfluorooctanesulfonamide (FOSA)	1.74	U	1.74	0.80	ng/L		08/04/22 11:45	08/04/22 17:58	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.34	U	4.34	1.65	ng/L		08/04/22 11:45	08/04/22 17:58	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.34	U	4.34	1.39	ng/L		08/04/22 11:45	08/04/22 17:58	1
6:2 FTS	4.34	U	4.34	1.13	ng/L		08/04/22 11:45	08/04/22 17:58	1
8:2 FTS	1.74	U	1.74	0.67	ng/L		08/04/22 11:45	08/04/22 17:58	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C8 FOSA	*80*		*50 - 150*	*08/04/22 11:45*	*08/04/22 17:58*	*1*
13C4 PFBA	*102*		*50 - 150*	*08/04/22 11:45*	*08/04/22 17:58*	*1*
13C5 PFPeA	*105*		*50 - 150*	*08/04/22 11:45*	*08/04/22 17:58*	*1*
13C2 PFHxA	*102*		*50 - 150*	*08/04/22 11:45*	*08/04/22 17:58*	*1*
13C4 PFHpA	*99*		*50 - 150*	*08/04/22 11:45*	*08/04/22 17:58*	*1*
13C4 PFOA	*102*		*50 - 150*	*08/04/22 11:45*	*08/04/22 17:58*	*1*
13C5 PFNA	*99*		*50 - 150*	*08/04/22 11:45*	*08/04/22 17:58*	*1*
13C2 PFDA	*97*		*50 - 150*	*08/04/22 11:45*	*08/04/22 17:58*	*1*
13C2 PFUnA	*94*		*50 - 150*	*08/04/22 11:45*	*08/04/22 17:58*	*1*
13C2 PFDoA	*90*		*50 - 150*	*08/04/22 11:45*	*08/04/22 17:58*	*1*
13C2 PFTeDA	*93*		*50 - 150*	*08/04/22 11:45*	*08/04/22 17:58*	*1*
13C3 PFBS	*95*		*50 - 150*	*08/04/22 11:45*	*08/04/22 17:58*	*1*
18O2 PFHxS	*96*		*50 - 150*	*08/04/22 11:45*	*08/04/22 17:58*	*1*
13C4 PFOS	*88*		*50 - 150*	*08/04/22 11:45*	*08/04/22 17:58*	*1*
d3-NMeFOSAA	*76*		*50 - 150*	*08/04/22 11:45*	*08/04/22 17:58*	*1*
d5-NEtFOSAA	*77*		*50 - 150*	*08/04/22 11:45*	*08/04/22 17:58*	*1*
M2-6:2 FTS	*98*		*50 - 150*	*08/04/22 11:45*	*08/04/22 17:58*	*1*
M2-8:2 FTS	*99*		*50 - 150*	*08/04/22 11:45*	*08/04/22 17:58*	*1*

Isotope Dilution Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-262897-1
Project/Site: Taconic Inwood Lot 9

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		C4PFHA	PFOA	PFNA	PFBA	PFHxA	PFDA	PFHxS	PFUnA
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)	(50-150)	(50-150)	(50-150)	(50-150)	(50-150)
460-262622-A-5-E MS	Matrix Spike	92	94	93	87	93	102	84	106
460-262622-A-5-F MSD	Matrix Spike Duplicate	87	91	90	87	88	92	82	99
460-262897-1	BCS-09-40 (5-5.5)P	93	96	91	99	93	86	86	92
460-262897-2	BCS-09-41 (5-5.5)P	93	94	93	96	93	91	87	94
460-262897-3	BCS-09-42 (5-5.5)P	89	94	90	90	92	88	80	85
460-262897-4	BCS-09-43 (5-5.5)P	90	96	95	91	96	91	89	89
460-262897-5	BCS-09-36 (6-6.5)P	92	91	90	92	91	86	78	93
460-262897-6	BCS-09-37 (6-6.5)P	96	95	96	97	92	97	89	102
460-262897-7	BCS-09-38 (6-6.5)P	92	92	92	91	95	98	80	94
460-262897-8	BCS-09-39 (6-6.5)P	102	99	101	100	102	99	95	103
460-262897-9	BCS-09-24 (5-5.5)P	92	92	88	94	97	90	82	91
460-262897-10	BCS-09-25 (5-5.5)P	99	97	94	97	99	90	93	89
460-262897-11	BCS-09-26 (5-5.5)P	89	90	89	91	94	87	82	88
460-262897-12	BCS-09-27 (5-5.5)P	93	94	92	93	92	90	79	92
LCS 200-182317/2-A	Lab Control Sample	94	96	92	95	95	90	90	85
MB 200-182317/1-A	Method Blank	98	92	91	98	100	89	91	85

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFDoA	PFOS	PFOSA	PFPeA	PFTDA	d3NMFOS	d5NEFOS	M262FTS
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)	(50-150)	(50-150)	(50-150)	(50-150)	(50-150)
460-262622-A-5-E MS	Matrix Spike	102	81	72	93	93	108	126	114
460-262622-A-5-F MSD	Matrix Spike Duplicate	92	76	71	86	90	103	118	106
460-262897-1	BCS-09-40 (5-5.5)P	92	81	81	95	97	73	73	87
460-262897-2	BCS-09-41 (5-5.5)P	96	85	86	99	99	75	82	80
460-262897-3	BCS-09-42 (5-5.5)P	88	79	78	91	93	68	70	78
460-262897-4	BCS-09-43 (5-5.5)P	90	85	83	98	100	74	76	89
460-262897-5	BCS-09-36 (6-6.5)P	88	79	80	92	96	71	75	73
460-262897-6	BCS-09-37 (6-6.5)P	96	84	84	93	102	78	82	84
460-262897-7	BCS-09-38 (6-6.5)P	98	79	80	96	94	74	81	81
460-262897-8	BCS-09-39 (6-6.5)P	102	95	91	97	106	80	88	95
460-262897-9	BCS-09-24 (5-5.5)P	91	79	77	97	92	75	75	78
460-262897-10	BCS-09-25 (5-5.5)P	85	87	78	100	87	75	71	91
460-262897-11	BCS-09-26 (5-5.5)P	85	77	75	94	87	73	70	73
460-262897-12	BCS-09-27 (5-5.5)P	92	78	78	96	96	74	74	77
LCS 200-182317/2-A	Lab Control Sample	83	87	80	93	84	71	75	91
MB 200-182317/1-A	Method Blank	74	85	80	100	76	73	70	88

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		C3PFBS	M282FTS						
Lab Sample ID	Client Sample ID	(50-150)	(50-150)						
460-262622-A-5-E MS	Matrix Spike	82	152 *						
460-262622-A-5-F MSD	Matrix Spike Duplicate	80	143						
460-262897-1	BCS-09-40 (5-5.5)P	85	81						
460-262897-2	BCS-09-41 (5-5.5)P	84	85						
460-262897-3	BCS-09-42 (5-5.5)P	81	80						
460-262897-4	BCS-09-43 (5-5.5)P	86	88						
460-262897-5	BCS-09-36 (6-6.5)P	80	77						
460-262897-6	BCS-09-37 (6-6.5)P	81	93						
460-262897-7	BCS-09-38 (6-6.5)P	81	87						
460-262897-8	BCS-09-39 (6-6.5)P	91	101						
460-262897-9	BCS-09-24 (5-5.5)P	83	78						

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)	
		C3PFBS	M282FTS
Lab Sample ID	Client Sample ID	(50-150)	(50-150)
460-262897-10	BCS-09-25 (5-5.5)P	90	90
460-262897-11	BCS-09-26 (5-5.5)P	82	76
460-262897-12	BCS-09-27 (5-5.5)P	79	79
LCS 200-182317/2-A	Lab Control Sample	92	92
MB 200-182317/1-A	Method Blank	92	85

Surrogate Legend

C4PFHA = 13C4 PFHpA
PFOA = 13C4 PFOA
PFNA = 13C5 PFNA
PFBA = 13C4 PFBA
PFHxA = 13C2 PFHxA
PFDA = 13C2 PFDA
PFHxS = 18O2 PFHxS
PFUnA = 13C2 PFUnA
PFDoA = 13C2 PFDoA
PFOS = 13C4 PFOS
PFOSA = 13C8 FOSA
PFPeA = 13C5 PFPeA
PFTDA = 13C2 PFTeDA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M262FTS = M2-6:2 FTS
C3PFBS = 13C3 PFBS
M282FTS = M2-8:2 FTS

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFOSA	PFBA	PFPeA	PFHxA	C4PFHA	PFOA	PFNA	PFDA
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)	(50-150)	(50-150)	(50-150)	(50-150)	(50-150)
460-262897-13	FB_20220729	80	102	105	102	99	102	99	97
LCS 200-182374/2-A	Lab Control Sample	76	101	102	99	99	102	93	91
LCSD 200-182374/3-A	Lab Control Sample Dup	81	108	112	106	106	104	107	101
MB 200-182374/1-A	Method Blank	74	99	103	101	105	101	95	95

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFUnA	PFDoA	PFTDA	C3PFBS	PFHxS	PFOS	d3NMFOS	d5NEFOS
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)	(50-150)	(50-150)	(50-150)	(50-150)	(50-150)
460-262897-13	FB_20220729	94	90	93	95	96	88	76	77
LCS 200-182374/2-A	Lab Control Sample	87	85	91	92	98	90	82	73
LCSD 200-182374/3-A	Lab Control Sample Dup	99	91	95	104	101	100	92	79
MB 200-182374/1-A	Method Blank	91	81	88	96	96	90	71	72

		Percent Isotope Dilution Recovery (Acceptance Limits)	
		M262FTS	M282FTS
Lab Sample ID	Client Sample ID	(50-150)	(50-150)
460-262897-13	FB_20220729	98	99
LCS 200-182374/2-A	Lab Control Sample	96	93
LCSD 200-182374/3-A	Lab Control Sample Dup	101	102
MB 200-182374/1-A	Method Blank	95	93

Isotope Dilution Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-262897-1
Project/Site: Taconic Inwood Lot 9

Surrogate Legend

PFOSA = 13C8 FOSA
PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
PFHxA = 13C2 PFHxA
C4PFHA = 13C4 PFHpA
PFOA = 13C4 PFOA
PFNA = 13C5 PFNA
PFDA = 13C2 PFDA
PFUnA = 13C2 PFUnA
PFDoA = 13C2 PFDoA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
PFHxS = 18O2 PFHxS
PFOS = 13C4 PFOS
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 200-182317/1-A
Matrix: Solid
Analysis Batch: 182375

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 182317

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		08/03/22 11:39	08/04/22 14:09	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.055	ug/Kg		08/03/22 11:39	08/04/22 14:09	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.046	ug/Kg		08/03/22 11:39	08/04/22 14:09	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.039	ug/Kg		08/03/22 11:39	08/04/22 14:09	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.058	ug/Kg		08/03/22 11:39	08/04/22 14:09	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.034	ug/Kg		08/03/22 11:39	08/04/22 14:09	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.028	ug/Kg		08/03/22 11:39	08/04/22 14:09	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.027	ug/Kg		08/03/22 11:39	08/04/22 14:09	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.025	ug/Kg		08/03/22 11:39	08/04/22 14:09	1
Perfluorotridecanoic acid (PFTriA)	0.20	U	0.20	0.025	ug/Kg		08/03/22 11:39	08/04/22 14:09	1
Perfluorotetradecanoic acid (PFTeA)	0.20	U	0.20	0.026	ug/Kg		08/03/22 11:39	08/04/22 14:09	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.033	ug/Kg		08/03/22 11:39	08/04/22 14:09	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.041	ug/Kg		08/03/22 11:39	08/04/22 14:09	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.023	ug/Kg		08/03/22 11:39	08/04/22 14:09	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.019	ug/Kg		08/03/22 11:39	08/04/22 14:09	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.11	ug/Kg		08/03/22 11:39	08/04/22 14:09	1
Perfluorooctanesulfonamide (FOSA)	0.20	U	0.20	0.034	ug/Kg		08/03/22 11:39	08/04/22 14:09	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	U	2.00	0.11	ug/Kg		08/03/22 11:39	08/04/22 14:09	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	U	2.00	0.083	ug/Kg		08/03/22 11:39	08/04/22 14:09	1
6:2 FTS	2.00	U	2.00	0.057	ug/Kg		08/03/22 11:39	08/04/22 14:09	1
8:2 FTS	2.00	U	2.00	0.037	ug/Kg		08/03/22 11:39	08/04/22 14:09	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFHpA	*98*		*50 - 150*	*08/03/22 11:39*	*08/04/22 14:09*	*1*
13C4 PFOA	*92*		*50 - 150*	*08/03/22 11:39*	*08/04/22 14:09*	*1*
13C5 PFNA	*91*		*50 - 150*	*08/03/22 11:39*	*08/04/22 14:09*	*1*
13C4 PFBA	*98*		*50 - 150*	*08/03/22 11:39*	*08/04/22 14:09*	*1*
13C2 PFHxA	*100*		*50 - 150*	*08/03/22 11:39*	*08/04/22 14:09*	*1*
13C2 PFDA	*89*		*50 - 150*	*08/03/22 11:39*	*08/04/22 14:09*	*1*
13C2 PFUnA	*85*		*50 - 150*	*08/03/22 11:39*	*08/04/22 14:09*	*1*
18O2 PFHxS	*91*		*50 - 150*	*08/03/22 11:39*	*08/04/22 14:09*	*1*
13C2 PFDoA	*74*		*50 - 150*	*08/03/22 11:39*	*08/04/22 14:09*	*1*
13C4 PFOS	*85*		*50 - 150*	*08/03/22 11:39*	*08/04/22 14:09*	*1*
13C8 FOSA	*80*		*50 - 150*	*08/03/22 11:39*	*08/04/22 14:09*	*1*
13C5 PFPeA	*100*		*50 - 150*	*08/03/22 11:39*	*08/04/22 14:09*	*1*
13C2 PFTeDA	*76*		*50 - 150*	*08/03/22 11:39*	*08/04/22 14:09*	*1*
d3-NMeFOSAA	*73*		*50 - 150*	*08/03/22 11:39*	*08/04/22 14:09*	*1*
d5-NEtFOSAA	*70*		*50 - 150*	*08/03/22 11:39*	*08/04/22 14:09*	*1*
M2-6:2 FTS	*88*		*50 - 150*	*08/03/22 11:39*	*08/04/22 14:09*	*1*
13C3 PFBS	*92*		*50 - 150*	*08/03/22 11:39*	*08/04/22 14:09*	*1*
M2-8:2 FTS	*85*		*50 - 150*	*08/03/22 11:39*	*08/04/22 14:09*	*1*

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

Lab Sample ID: LCS 200-182317/2-A
Matrix: Solid
Analysis Batch: 182375

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 182317

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	2.00	2.034		ug/Kg		102	60 - 140
Perfluoropentanoic acid (PFPeA)	2.00	2.265		ug/Kg		113	60 - 140
Perfluorohexanoic acid (PFHxA)	2.00	2.134		ug/Kg		107	60 - 140
Perfluoroheptanoic acid (PFHpA)	2.00	2.174		ug/Kg		109	60 - 140
Perfluorooctanoic acid (PFOA)	2.00	2.062		ug/Kg		103	60 - 140
Perfluorononanoic acid (PFNA)	2.00	2.106		ug/Kg		105	60 - 140
Perfluorodecanoic acid (PFDA)	2.00	2.094		ug/Kg		105	60 - 140
Perfluoroundecanoic acid (PFUnA)	2.00	2.250		ug/Kg		112	60 - 140
Perfluorododecanoic acid (PFDoA)	2.00	2.137		ug/Kg		107	60 - 140
Perfluorotridecanoic acid (PFTriA)	2.00	2.076		ug/Kg		104	60 - 140
Perfluorotetradecanoic acid (PFTeA)	2.00	2.013		ug/Kg		101	60 - 140
Perfluorobutanesulfonic acid (PFBS)	1.77	1.815		ug/Kg		103	60 - 140
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.916		ug/Kg		105	60 - 140
Perfluoroheptanesulfonic acid (PFHpS)	1.90	2.122		ug/Kg		111	60 - 140
Perfluorodecanesulfonic acid (PFDS)	1.93	1.795		ug/Kg		93	60 - 140
Perfluorooctanesulfonic acid (PFOS)	1.86	2.031		ug/Kg		109	60 - 140
Perfluorooctanesulfonamide (FOSA)	2.00	2.137		ug/Kg		107	60 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.165		ug/Kg		108	60 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.955	J	ug/Kg		98	60 - 140
6:2 FTS	1.90	2.121		ug/Kg		112	50 - 150
8:2 FTS	1.92	2.064		ug/Kg		108	60 - 140

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFHpA	*94*		*50 - 150*
13C4 PFOA	*96*		*50 - 150*
13C5 PFNA	*92*		*50 - 150*
13C4 PFBA	*95*		*50 - 150*
13C2 PFHxA	*95*		*50 - 150*
13C2 PFDA	*90*		*50 - 150*
13C2 PFUnA	*85*		*50 - 150*
18O2 PFHxS	*90*		*50 - 150*
13C2 PFDoA	*83*		*50 - 150*
13C4 PFOS	*87*		*50 - 150*
13C8 FOSA	*80*		*50 - 150*
13C5 PFPeA	*93*		*50 - 150*
13C2 PFTeDA	*84*		*50 - 150*
d3-NMeFOSAA	*71*		*50 - 150*
d5-NEtFOSAA	*75*		*50 - 150*
M2-6:2 FTS	*91*		*50 - 150*

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

Lab Sample ID: LCS 200-182317/2-A
Matrix: Solid
Analysis Batch: 182375

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 182317

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C3 PFBS	92		50 - 150
M2-8:2 FTS	92		50 - 150

Lab Sample ID: 460-262622-A-5-E MS
Matrix: Solid
Analysis Batch: 182375

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 182317

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.58	U	2.30	2.375		ug/Kg	☼	103	60 - 140
Perfluoropentanoic acid (PFPeA)	0.17	J	2.30	2.461		ug/Kg	☼	100	60 - 140
Perfluorohexanoic acid (PFHxA)	0.11	J	2.30	2.530		ug/Kg	☼	105	60 - 140
Perfluoroheptanoic acid (PFHpA)	0.098	J	2.30	2.432		ug/Kg	☼	102	60 - 140
Perfluorooctanoic acid (PFOA)	0.57		2.30	2.849		ug/Kg	☼	99	60 - 140
Perfluorononanoic acid (PFNA)	0.11	J	2.30	2.617		ug/Kg	☼	109	60 - 140
Perfluorodecanoic acid (PFDA)	0.082	J	2.30	2.422		ug/Kg	☼	102	60 - 140
Perfluoroundecanoic acid (PFUnA)	0.063	J	2.30	2.438		ug/Kg	☼	104	60 - 140
Perfluorododecanoic acid (PFDoA)	0.052	J	2.30	2.533		ug/Kg	☼	108	60 - 140
Perfluorotridecanoic acid (PFTriA)	0.23	U	2.30	2.116		ug/Kg	☼	92	60 - 140
Perfluorotetradecanoic acid (PFTeA)	0.038	J	2.30	2.444		ug/Kg	☼	105	60 - 140
Perfluorobutanesulfonic acid (PFBS)	0.23	U	2.03	2.184		ug/Kg	☼	108	60 - 140
Perfluorohexanesulfonic acid (PFHxS)	0.23	U	2.09	2.272		ug/Kg	☼	109	60 - 140
Perfluoroheptanesulfonic acid (PFHpS)	0.23	U	2.19	2.372		ug/Kg	☼	109	60 - 140
Perfluorodecanesulfonic acid (PFDS)	0.060	J	2.21	2.469		ug/Kg	☼	109	60 - 140
Perfluorooctanesulfonic acid (PFOS)	2.92		2.13	5.076		ug/Kg	☼	101	60 - 140
Perfluorooctanesulfonamide (FOSA)	0.23	U	2.30	2.452		ug/Kg	☼	107	60 - 140
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.32	U	2.30	2.489		ug/Kg	☼	108	60 - 140
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.15	J	2.30	2.641		ug/Kg	☼	109	60 - 140
6:2 FTS	2.32	U	2.18	2.314		ug/Kg	☼	106	50 - 150
8:2 FTS	2.32	U	2.20	2.521		ug/Kg	☼	115	60 - 140

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFHpA	92		50 - 150
13C4 PFOA	94		50 - 150
13C5 PFNA	93		50 - 150
13C4 PFBA	87		50 - 150
13C2 PFHxA	93		50 - 150
13C2 PFDA	102		50 - 150
13C2 PFUnA	106		50 - 150
18O2 PFHxS	84		50 - 150
13C2 PFDoA	102		50 - 150

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

Lab Sample ID: 460-262622-A-5-E MS
Matrix: Solid
Analysis Batch: 182375

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 182317

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C4 PFOS	81		50 - 150
13C8 FOSA	72		50 - 150
13C5 PFPeA	93		50 - 150
13C2 PFTeDA	93		50 - 150
d3-NMeFOSAA	108		50 - 150
d5-NEtFOSAA	126		50 - 150
M2-6:2 FTS	114		50 - 150
13C3 PFBS	82		50 - 150
M2-8:2 FTS	152	*	50 - 150

Lab Sample ID: 460-262622-A-5-F MSD
Matrix: Solid
Analysis Batch: 182375

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 182317

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.58	U	2.28	2.351		ug/Kg	☼	103	60 - 140	1	30
Perfluoropentanoic acid (PFPeA)	0.17	J	2.28	2.705		ug/Kg	☼	111	60 - 140	9	30
Perfluorohexanoic acid (PFHxA)	0.11	J	2.28	2.527		ug/Kg	☼	106	60 - 140	0	30
Perfluoroheptanoic acid (PFHpA)	0.098	J	2.28	2.560		ug/Kg	☼	108	60 - 140	5	30
Perfluorooctanoic acid (PFOA)	0.57		2.28	2.893		ug/Kg	☼	102	60 - 140	2	30
Perfluorononanoic acid (PFNA)	0.11	J	2.28	2.570		ug/Kg	☼	108	60 - 140	2	30
Perfluorodecanoic acid (PFDA)	0.082	J	2.28	2.663		ug/Kg	☼	113	60 - 140	9	30
Perfluoroundecanoic acid (PFUnA)	0.063	J	2.28	2.510		ug/Kg	☼	107	60 - 140	3	30
Perfluorododecanoic acid (PFDoA)	0.052	J	2.28	2.466		ug/Kg	☼	106	60 - 140	3	30
Perfluorotridecanoic acid (PFTriA)	0.23	U	2.28	2.228		ug/Kg	☼	98	60 - 140	5	30
Perfluorotetradecanoic acid (PFTeA)	0.038	J	2.28	2.505		ug/Kg	☼	108	60 - 140	2	30
Perfluorobutanesulfonic acid (PFBS)	0.23	U	2.01	2.105		ug/Kg	☼	105	60 - 140	4	30
Perfluorohexanesulfonic acid (PFHxS)	0.23	U	2.07	2.239		ug/Kg	☼	108	60 - 140	1	30
Perfluoroheptanesulfonic acid (PFHpS)	0.23	U	2.17	2.482		ug/Kg	☼	114	60 - 140	5	30
Perfluorodecanesulfonic acid (PFDS)	0.060	J	2.20	2.406		ug/Kg	☼	107	60 - 140	3	30
Perfluorooctanesulfonic acid (PFOS)	2.92		2.11	6.240	*	ug/Kg	☼	157	60 - 140	21	30
Perfluorooctanesulfonamide (FOSA)	0.23	U	2.28	2.525		ug/Kg	☼	111	60 - 140	3	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.32	U	2.28	2.683		ug/Kg	☼	118	60 - 140	8	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.15	J	2.28	2.506		ug/Kg	☼	104	60 - 140	5	30
6:2 FTS	2.32	U	2.16	2.335		ug/Kg	☼	108	50 - 150	1	30
8:2 FTS	2.32	U	2.18	2.372		ug/Kg	☼	109	60 - 140	6	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFHpA	87		50 - 150
13C4 PFOA	91		50 - 150

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

Lab Sample ID: 460-262622-A-5-F MSD
Matrix: Solid
Analysis Batch: 182375

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 182317

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C5 PFNA	90		50 - 150
13C4 PFBA	87		50 - 150
13C2 PFHxA	88		50 - 150
13C2 PFDA	92		50 - 150
13C2 PFUnA	99		50 - 150
18O2 PFHxS	82		50 - 150
13C2 PFDoA	92		50 - 150
13C4 PFOS	76		50 - 150
13C8 FOSA	71		50 - 150
13C5 PFPeA	86		50 - 150
13C2 PFTeDA	90		50 - 150
d3-NMeFOSAA	103		50 - 150
d5-NEtFOSAA	118		50 - 150
M2-6:2 FTS	106		50 - 150
13C3 PFBS	80		50 - 150
M2-8:2 FTS	143		50 - 150

Lab Sample ID: MB 200-182374/1-A
Matrix: Water
Analysis Batch: 182386

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 182374

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	5.00	U	5.00	1.20	ng/L		08/04/22 11:45	08/04/22 17:09	1
Perfluoropentanoic acid (PFPeA)	2.00	U	2.00	0.68	ng/L		08/04/22 11:45	08/04/22 17:09	1
Perfluorohexanoic acid (PFHxA)	2.00	U	2.00	0.65	ng/L		08/04/22 11:45	08/04/22 17:09	1
Perfluoroheptanoic acid (PFHpA)	2.00	U	2.00	0.54	ng/L		08/04/22 11:45	08/04/22 17:09	1
Perfluorooctanoic acid (PFOA)	2.00	U	2.00	0.76	ng/L		08/04/22 11:45	08/04/22 17:09	1
Perfluorononanoic acid (PFNA)	2.00	U	2.00	0.49	ng/L		08/04/22 11:45	08/04/22 17:09	1
Perfluorodecanoic acid (PFDA)	2.00	U	2.00	0.46	ng/L		08/04/22 11:45	08/04/22 17:09	1
Perfluoroundecanoic acid (PFUnA)	2.00	U	2.00	0.55	ng/L		08/04/22 11:45	08/04/22 17:09	1
Perfluorododecanoic acid (PFDoA)	2.00	U	2.00	0.49	ng/L		08/04/22 11:45	08/04/22 17:09	1
Perfluorotridecanoic acid (PFTriA)	2.00	U	2.00	0.48	ng/L		08/04/22 11:45	08/04/22 17:09	1
Perfluorotetradecanoic acid (PFTeA)	2.00	U	2.00	0.64	ng/L		08/04/22 11:45	08/04/22 17:09	1
Perfluorobutanesulfonic acid (PFBS)	2.00	U	2.00	0.62	ng/L		08/04/22 11:45	08/04/22 17:09	1
Perfluorohexanesulfonic acid (PFHxS)	2.00	U	2.00	0.55	ng/L		08/04/22 11:45	08/04/22 17:09	1
Perfluoroheptanesulfonic acid (PFHpS)	2.00	U	2.00	0.41	ng/L		08/04/22 11:45	08/04/22 17:09	1
Perfluorodecanesulfonic acid (PFDS)	2.00	U	2.00	0.40	ng/L		08/04/22 11:45	08/04/22 17:09	1
Perfluorooctanesulfonic acid (PFOS)	2.00	U	2.00	0.85	ng/L		08/04/22 11:45	08/04/22 17:09	1
Perfluorooctanesulfonamide (FOSA)	2.00	U	2.00	0.92	ng/L		08/04/22 11:45	08/04/22 17:09	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	5.00	U	5.00	1.90	ng/L		08/04/22 11:45	08/04/22 17:09	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	5.00	U	5.00	1.60	ng/L		08/04/22 11:45	08/04/22 17:09	1
6:2 FTS	5.00	U	5.00	1.30	ng/L		08/04/22 11:45	08/04/22 17:09	1
8:2 FTS	2.00	U	2.00	0.77	ng/L		08/04/22 11:45	08/04/22 17:09	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFHpA	105		50 - 150	08/04/22 11:45	08/04/22 17:09	1
13C4 PFOA	101		50 - 150	08/04/22 11:45	08/04/22 17:09	1

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

Lab Sample ID: MB 200-182374/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 182386
Prep Batch: 182374

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFNA	95		50 - 150	08/04/22 11:45	08/04/22 17:09	1
13C4 PFBA	99		50 - 150	08/04/22 11:45	08/04/22 17:09	1
13C2 PFHxA	101		50 - 150	08/04/22 11:45	08/04/22 17:09	1
13C2 PFDA	95		50 - 150	08/04/22 11:45	08/04/22 17:09	1
13C2 PFUnA	91		50 - 150	08/04/22 11:45	08/04/22 17:09	1
18O2 PFHxS	96		50 - 150	08/04/22 11:45	08/04/22 17:09	1
13C2 PFDoA	81		50 - 150	08/04/22 11:45	08/04/22 17:09	1
13C4 PFOS	90		50 - 150	08/04/22 11:45	08/04/22 17:09	1
13C8 FOSA	74		50 - 150	08/04/22 11:45	08/04/22 17:09	1
13C5 PFPeA	103		50 - 150	08/04/22 11:45	08/04/22 17:09	1
13C2 PFTeDA	88		50 - 150	08/04/22 11:45	08/04/22 17:09	1
d3-NMeFOSAA	71		50 - 150	08/04/22 11:45	08/04/22 17:09	1
d5-NEtFOSAA	72		50 - 150	08/04/22 11:45	08/04/22 17:09	1
M2-6:2 FTS	95		50 - 150	08/04/22 11:45	08/04/22 17:09	1
13C3 PFBS	96		50 - 150	08/04/22 11:45	08/04/22 17:09	1
M2-8:2 FTS	93		50 - 150	08/04/22 11:45	08/04/22 17:09	1

Lab Sample ID: LCS 200-182374/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 182386
Prep Batch: 182374

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	80.0	80.36		ng/L		100	70 - 130
Perfluoropentanoic acid (PFPeA)	80.0	79.54		ng/L		99	70 - 130
Perfluorohexanoic acid (PFHxA)	80.0	81.96		ng/L		102	70 - 130
Perfluoroheptanoic acid (PFHpA)	80.0	83.11		ng/L		104	70 - 130
Perfluorooctanoic acid (PFOA)	80.0	82.27		ng/L		103	70 - 130
Perfluorononanoic acid (PFNA)	80.0	82.80		ng/L		104	70 - 130
Perfluorodecanoic acid (PFDA)	80.0	84.36		ng/L		105	70 - 130
Perfluoroundecanoic acid (PFUnA)	80.0	84.70		ng/L		106	70 - 130
Perfluorododecanoic acid (PFDoA)	80.0	84.88		ng/L		106	70 - 130
Perfluorotridecanoic acid (PFTriA)	80.0	83.25		ng/L		104	70 - 130
Perfluorotetradecanoic acid (PFTeA)	80.0	86.78		ng/L		108	70 - 130
Perfluorobutanesulfonic acid (PFBS)	70.7	72.73		ng/L		103	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	72.8	72.92		ng/L		100	70 - 130
Perfluoroheptanesulfonic acid (PFHpS)	76.2	82.45		ng/L		108	70 - 130
Perfluorodecanesulfonic acid (PFDS)	77.1	72.00		ng/L		93	70 - 130
Perfluorooctanesulfonic acid (PFOS)	74.2	81.15		ng/L		109	70 - 130
Perfluorooctanesulfonamide (FOSA)	80.0	81.78		ng/L		102	70 - 130
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	80.0	83.89		ng/L		105	70 - 130

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

Lab Sample ID: LCS 200-182374/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 182386
Prep Batch: 182374

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)			80.0	79.78		ng/L		100	70 - 130		
6:2 FTS			75.8	81.54		ng/L		108	60 - 140		
8:2 FTS			76.6	83.50		ng/L		109	70 - 130		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFHpA	*99*		*50 - 150*
13C4 PFOA	*102*		*50 - 150*
13C5 PFNA	*93*		*50 - 150*
13C4 PFBA	*101*		*50 - 150*
13C2 PFHxA	*99*		*50 - 150*
13C2 PFDA	*91*		*50 - 150*
13C2 PFUnA	*87*		*50 - 150*
18O2 PFHxS	*98*		*50 - 150*
13C2 PFDoA	*85*		*50 - 150*
13C4 PFOS	*90*		*50 - 150*
13C8 FOSA	*76*		*50 - 150*
13C5 PFPeA	*102*		*50 - 150*
13C2 PFTeDA	*91*		*50 - 150*
d3-NMeFOSAA	*82*		*50 - 150*
d5-NEtFOSAA	*73*		*50 - 150*
M2-6:2 FTS	*96*		*50 - 150*
13C3 PFBS	*92*		*50 - 150*
M2-8:2 FTS	*93*		*50 - 150*

Lab Sample ID: LCSD 200-182374/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 182386
Prep Batch: 182374

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)			80.0	80.03		ng/L		100	70 - 130	0	30
Perfluoropentanoic acid (PFPeA)			80.0	83.33		ng/L		104	70 - 130	5	30
Perfluorohexanoic acid (PFHxA)			80.0	86.20		ng/L		108	70 - 130	5	30
Perfluoroheptanoic acid (PFHpA)			80.0	83.52		ng/L		104	70 - 130	0	30
Perfluorooctanoic acid (PFOA)			80.0	83.22		ng/L		104	70 - 130	1	30
Perfluorononanoic acid (PFNA)			80.0	83.63		ng/L		105	70 - 130	1	30
Perfluorodecanoic acid (PFDA)			80.0	83.58		ng/L		104	70 - 130	1	30
Perfluoroundecanoic acid (PFUnA)			80.0	84.46		ng/L		106	70 - 130	0	30
Perfluorododecanoic acid (PFDoA)			80.0	83.57		ng/L		104	70 - 130	2	30
Perfluorotridecanoic acid (PFTriA)			80.0	81.83		ng/L		102	70 - 130	2	30
Perfluorotetradecanoic acid (PFTeA)			80.0	83.50		ng/L		104	70 - 130	4	30
Perfluorobutanesulfonic acid (PFBS)			70.7	73.39		ng/L		104	70 - 130	1	30
Perfluorohexanesulfonic acid (PFHxS)			72.8	75.98		ng/L		104	70 - 130	4	30
Perfluoroheptanesulfonic acid (PFHpS)			76.2	80.28		ng/L		105	70 - 130	3	30

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

Lab Sample ID: LCSD 200-182374/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 182386
Prep Batch: 182374

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorodecanesulfonic acid (PFDS)			77.1	70.59		ng/L		92	70 - 130	2	30
Perfluorooctanesulfonic acid (PFOS)			74.2	80.69		ng/L		109	70 - 130	1	30
Perfluorooctanesulfonamide (FOSA)			80.0	82.73		ng/L		103	70 - 130	1	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)			80.0	81.74		ng/L		102	70 - 130	3	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)			80.0	83.41		ng/L		104	70 - 130	4	30
6:2 FTS			75.8	85.18		ng/L		112	60 - 140	4	30
8:2 FTS			76.6	77.61		ng/L		101	70 - 130	7	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C4 PFHpA	*106*		*50 - 150*
13C4 PFOA	*104*		*50 - 150*
13C5 PFNA	*107*		*50 - 150*
13C4 PFBA	*108*		*50 - 150*
13C2 PFHxA	*106*		*50 - 150*
13C2 PFDA	*101*		*50 - 150*
13C2 PFUnA	*99*		*50 - 150*
18O2 PFHxS	*101*		*50 - 150*
13C2 PFDoA	*91*		*50 - 150*
13C4 PFOS	*100*		*50 - 150*
13C8 FOSA	*81*		*50 - 150*
13C5 PFPeA	*112*		*50 - 150*
13C2 PFTeDA	*95*		*50 - 150*
d3-NMeFOSAA	*92*		*50 - 150*
d5-NEtFOSAA	*79*		*50 - 150*
M2-6:2 FTS	*101*		*50 - 150*
13C3 PFBS	*104*		*50 - 150*
M2-8:2 FTS	*102*		*50 - 150*

Qualifiers

LCMS

Qualifier	Qualifier Description
*	Isotope Dilution analyte is outside acceptance limits.
*	MS or MSD 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.
¤	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

LCMS

Prep Batch: 182317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-262897-1	BCS-09-40 (5-5.5)P	Total/NA	Solid	SHAKE	
460-262897-2	BCS-09-41 (5-5.5)P	Total/NA	Solid	SHAKE	
460-262897-3	BCS-09-42 (5-5.5)P	Total/NA	Solid	SHAKE	
460-262897-4	BCS-09-43 (5-5.5)P	Total/NA	Solid	SHAKE	
460-262897-5	BCS-09-36 (6-6.5)P	Total/NA	Solid	SHAKE	
460-262897-6	BCS-09-37 (6-6.5)P	Total/NA	Solid	SHAKE	
460-262897-7	BCS-09-38 (6-6.5)P	Total/NA	Solid	SHAKE	
460-262897-8	BCS-09-39 (6-6.5)P	Total/NA	Solid	SHAKE	
460-262897-9	BCS-09-24 (5-5.5)P	Total/NA	Solid	SHAKE	
460-262897-10	BCS-09-25 (5-5.5)P	Total/NA	Solid	SHAKE	
460-262897-11	BCS-09-26 (5-5.5)P	Total/NA	Solid	SHAKE	
460-262897-12	BCS-09-27 (5-5.5)P	Total/NA	Solid	SHAKE	
MB 200-182317/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 200-182317/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
460-262622-A-5-E MS	Matrix Spike	Total/NA	Solid	SHAKE	
460-262622-A-5-F MSD	Matrix Spike Duplicate	Total/NA	Solid	SHAKE	

Prep Batch: 182374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-262897-13	FB_20220729	Total/NA	Water	3535	
MB 200-182374/1-A	Method Blank	Total/NA	Water	3535	
LCS 200-182374/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 200-182374/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 182375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-262897-1	BCS-09-40 (5-5.5)P	Total/NA	Solid	537 (modified)	182317
460-262897-2	BCS-09-41 (5-5.5)P	Total/NA	Solid	537 (modified)	182317
460-262897-3	BCS-09-42 (5-5.5)P	Total/NA	Solid	537 (modified)	182317
460-262897-4	BCS-09-43 (5-5.5)P	Total/NA	Solid	537 (modified)	182317
460-262897-5	BCS-09-36 (6-6.5)P	Total/NA	Solid	537 (modified)	182317
460-262897-6	BCS-09-37 (6-6.5)P	Total/NA	Solid	537 (modified)	182317
460-262897-7	BCS-09-38 (6-6.5)P	Total/NA	Solid	537 (modified)	182317
460-262897-8	BCS-09-39 (6-6.5)P	Total/NA	Solid	537 (modified)	182317
460-262897-9	BCS-09-24 (5-5.5)P	Total/NA	Solid	537 (modified)	182317
460-262897-10	BCS-09-25 (5-5.5)P	Total/NA	Solid	537 (modified)	182317
460-262897-11	BCS-09-26 (5-5.5)P	Total/NA	Solid	537 (modified)	182317
460-262897-12	BCS-09-27 (5-5.5)P	Total/NA	Solid	537 (modified)	182317
MB 200-182317/1-A	Method Blank	Total/NA	Solid	537 (modified)	182317
LCS 200-182317/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	182317
460-262622-A-5-E MS	Matrix Spike	Total/NA	Solid	537 (modified)	182317
460-262622-A-5-F MSD	Matrix Spike Duplicate	Total/NA	Solid	537 (modified)	182317

Analysis Batch: 182386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-262897-13	FB_20220729	Total/NA	Water	537 (modified)	182374
MB 200-182374/1-A	Method Blank	Total/NA	Water	537 (modified)	182374
LCS 200-182374/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	182374
LCSD 200-182374/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	182374

QC Association Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-262897-1
Project/Site: Taconic Inwood Lot 9

General Chemistry

Analysis Batch: 182338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-262897-1	BCS-09-40 (5-5.5)P	Total/NA	Solid	Moisture	
460-262897-2	BCS-09-41 (5-5.5)P	Total/NA	Solid	Moisture	
460-262897-3	BCS-09-42 (5-5.5)P	Total/NA	Solid	Moisture	
460-262897-4	BCS-09-43 (5-5.5)P	Total/NA	Solid	Moisture	
460-262897-5	BCS-09-36 (6-6.5)P	Total/NA	Solid	Moisture	
460-262897-6	BCS-09-37 (6-6.5)P	Total/NA	Solid	Moisture	
460-262897-7	BCS-09-38 (6-6.5)P	Total/NA	Solid	Moisture	
460-262897-8	BCS-09-39 (6-6.5)P	Total/NA	Solid	Moisture	
460-262897-9	BCS-09-24 (5-5.5)P	Total/NA	Solid	Moisture	
460-262897-10	BCS-09-25 (5-5.5)P	Total/NA	Solid	Moisture	
460-262897-11	BCS-09-26 (5-5.5)P	Total/NA	Solid	Moisture	
460-262897-12	BCS-09-27 (5-5.5)P	Total/NA	Solid	Moisture	
460-262554-A-6 DU	Duplicate	Total/NA	Solid	Moisture	

Client Sample ID: BCS-09-40 (5-5.5)P
Date Collected: 07/29/22 10:05
Date Received: 07/29/22 18:00

Lab Sample ID: 460-262897-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	182338	08/03/22 16:46	RWM	ETA BUR

Client Sample ID: BCS-09-40 (5-5.5)P
Date Collected: 07/29/22 10:05
Date Received: 07/29/22 18:00

Lab Sample ID: 460-262897-1
Matrix: Solid
Percent Solids: 95.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			182317	08/03/22 11:39	CM	ETA BUR
Total/NA	Analysis	537 (modified)		1	182375	08/04/22 15:06	ND	ETA BUR

Client Sample ID: BCS-09-41 (5-5.5)P
Date Collected: 07/29/22 10:10
Date Received: 07/29/22 18:00

Lab Sample ID: 460-262897-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	182338	08/03/22 16:46	RWM	ETA BUR

Client Sample ID: BCS-09-41 (5-5.5)P
Date Collected: 07/29/22 10:10
Date Received: 07/29/22 18:00

Lab Sample ID: 460-262897-2
Matrix: Solid
Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			182317	08/03/22 11:39	CM	ETA BUR
Total/NA	Analysis	537 (modified)		1	182375	08/04/22 15:14	ND	ETA BUR

Client Sample ID: BCS-09-42 (5-5.5)P
Date Collected: 07/29/22 10:15
Date Received: 07/29/22 18:00

Lab Sample ID: 460-262897-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	182338	08/03/22 16:46	RWM	ETA BUR

Client Sample ID: BCS-09-42 (5-5.5)P
Date Collected: 07/29/22 10:15
Date Received: 07/29/22 18:00

Lab Sample ID: 460-262897-3
Matrix: Solid
Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			182317	08/03/22 11:39	CM	ETA BUR
Total/NA	Analysis	537 (modified)		1	182375	08/04/22 15:23	ND	ETA BUR

Client Sample ID: BCS-09-43 (5-5.5)P
Date Collected: 07/29/22 10:20
Date Received: 07/29/22 18:00

Lab Sample ID: 460-262897-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	182338	08/03/22 16:46	RWM	ETA BUR

Client Sample ID: BCS-09-43 (5-5.5)P
Lab Sample ID: 460-262897-4
Date Collected: 07/29/22 10:20
Matrix: Solid
Date Received: 07/29/22 18:00
Percent Solids: 82.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			182317	08/03/22 11:39	CM	ETA BUR
Total/NA	Analysis	537 (modified)		1	182375	08/04/22 15:31	ND	ETA BUR

Client Sample ID: BCS-09-36 (6-6.5)P
Lab Sample ID: 460-262897-5
Date Collected: 07/29/22 09:45
Matrix: Solid
Date Received: 07/29/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	182338	08/03/22 16:46	RWM	ETA BUR

Client Sample ID: BCS-09-36 (6-6.5)P
Lab Sample ID: 460-262897-5
Date Collected: 07/29/22 09:45
Matrix: Solid
Date Received: 07/29/22 18:00
Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			182317	08/03/22 11:39	CM	ETA BUR
Total/NA	Analysis	537 (modified)		1	182375	08/04/22 15:47	ND	ETA BUR

Client Sample ID: BCS-09-37 (6-6.5)P
Lab Sample ID: 460-262897-6
Date Collected: 07/29/22 09:50
Matrix: Solid
Date Received: 07/29/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	182338	08/03/22 16:46	RWM	ETA BUR

Client Sample ID: BCS-09-37 (6-6.5)P
Lab Sample ID: 460-262897-6
Date Collected: 07/29/22 09:50
Matrix: Solid
Date Received: 07/29/22 18:00
Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			182317	08/03/22 11:39	CM	ETA BUR
Total/NA	Analysis	537 (modified)		1	182375	08/04/22 15:55	ND	ETA BUR

Client Sample ID: BCS-09-38 (6-6.5)P
Lab Sample ID: 460-262897-7
Date Collected: 07/29/22 09:55
Matrix: Solid
Date Received: 07/29/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	182338	08/03/22 16:46	RWM	ETA BUR

Client Sample ID: BCS-09-38 (6-6.5)P
Lab Sample ID: 460-262897-7
Date Collected: 07/29/22 09:55
Matrix: Solid
Date Received: 07/29/22 18:00
Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			182317	08/03/22 11:39	CM	ETA BUR
Total/NA	Analysis	537 (modified)		1	182375	08/04/22 16:03	ND	ETA BUR

Client Sample ID: BCS-09-39 (6-6.5)P
Lab Sample ID: 460-262897-8
Date Collected: 07/29/22 10:00
Matrix: Solid
Date Received: 07/29/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	182338	08/03/22 16:46	RWM	ETA BUR

Client Sample ID: BCS-09-39 (6-6.5)P
Lab Sample ID: 460-262897-8
Date Collected: 07/29/22 10:00
Matrix: Solid
Date Received: 07/29/22 18:00
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			182317	08/03/22 11:39	CM	ETA BUR
Total/NA	Analysis	537 (modified)		1	182375	08/04/22 16:12	ND	ETA BUR

Client Sample ID: BCS-09-24 (5-5.5)P
Lab Sample ID: 460-262897-9
Date Collected: 07/29/22 12:30
Matrix: Solid
Date Received: 07/29/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	182338	08/03/22 16:46	RWM	ETA BUR

Client Sample ID: BCS-09-24 (5-5.5)P
Lab Sample ID: 460-262897-9
Date Collected: 07/29/22 12:30
Matrix: Solid
Date Received: 07/29/22 18:00
Percent Solids: 94.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			182317	08/03/22 11:39	CM	ETA BUR
Total/NA	Analysis	537 (modified)		1	182375	08/04/22 16:20	ND	ETA BUR

Client Sample ID: BCS-09-25 (5-5.5)P
Lab Sample ID: 460-262897-10
Date Collected: 07/29/22 12:40
Matrix: Solid
Date Received: 07/29/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	182338	08/03/22 16:46	RWM	ETA BUR

Client Sample ID: BCS-09-25 (5-5.5)P
Lab Sample ID: 460-262897-10
Date Collected: 07/29/22 12:40
Matrix: Solid
Date Received: 07/29/22 18:00
Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			182317	08/03/22 11:39	CM	ETA BUR
Total/NA	Analysis	537 (modified)		1	182375	08/04/22 16:28	ND	ETA BUR

Client Sample ID: BCS-09-26 (5-5.5)P
Lab Sample ID: 460-262897-11
Date Collected: 07/29/22 12:50
Matrix: Solid
Date Received: 07/29/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	182338	08/03/22 16:46	RWM	ETA BUR

Client Sample ID: BCS-09-26 (5-5.5)P
Lab Sample ID: 460-262897-11
Date Collected: 07/29/22 12:50
Matrix: Solid
Date Received: 07/29/22 18:00
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			182317	08/03/22 11:39	CM	ETA BUR
Total/NA	Analysis	537 (modified)		1	182375	08/04/22 16:36	ND	ETA BUR

Client Sample ID: BCS-09-27 (5-5.5)P
Lab Sample ID: 460-262897-12
Date Collected: 07/29/22 13:00
Matrix: Solid
Date Received: 07/29/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	182338	08/03/22 16:46	RWM	ETA BUR

Client Sample ID: BCS-09-27 (5-5.5)P
Lab Sample ID: 460-262897-12
Date Collected: 07/29/22 13:00
Matrix: Solid
Date Received: 07/29/22 18:00
Percent Solids: 95.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			182317	08/03/22 11:39	CM	ETA BUR
Total/NA	Analysis	537 (modified)		1	182375	08/04/22 16:44	ND	ETA BUR

Client Sample ID: FB_20220729
Lab Sample ID: 460-262897-13
Date Collected: 07/29/22 13:05
Matrix: Water
Date Received: 07/29/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			182374	08/04/22 11:45	CM	ETA BUR
Total/NA	Analysis	537 (modified)		1	182386	08/04/22 17:58	ND	ETA BUR

Laboratory References:

ETA 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
Job ID: 460-262897-1
Project/Site: Taconic Inwood Lot 9

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	07-31-22 *
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	08-31-22

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method PFC IDA

Fluorinated Hydrocarbons by Method PFAS IDA

FORM II
PFAS SURROGATE RECOVERY

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Matrix: Solid Level: Low

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

Client Sample ID	Lab Sample ID	PFBA #	PFPeA #	C3PFBS #	PFHxA #	C4PFHA #	PFHxS #	M262FTS #	PFOA #
BCS-09-40 (5-5.5)P	460-262897-1	99	95	85	93	93	86	87	96
BCS-09-41 (5-5.5)P	460-262897-2	96	99	84	93	93	87	80	94
BCS-09-42 (5-5.5)P	460-262897-3	90	91	81	92	89	80	78	94
BCS-09-43 (5-5.5)P	460-262897-4	91	98	86	96	90	89	89	96
BCS-09-36 (6-6.5)P	460-262897-5	92	92	80	91	92	78	73	91
BCS-09-37 (6-6.5)P	460-262897-6	97	93	81	92	96	89	84	95
BCS-09-38 (6-6.5)P	460-262897-7	91	96	81	95	92	80	81	92
BCS-09-39 (6-6.5)P	460-262897-8	100	97	91	102	102	95	95	99
BCS-09-24 (5-5.5)P	460-262897-9	94	97	83	97	92	82	78	92
BCS-09-25 (5-5.5)P	460-262897-10	97	100	90	99	99	93	91	97
BCS-09-26 (5-5.5)P	460-262897-11	91	94	82	94	89	82	73	90
BCS-09-27 (5-5.5)P	460-262897-12	93	96	79	92	93	79	77	94
	MB 200-182317/1-A	98	100	92	100	98	91	88	92
	LCS 200-182317/2-A	95	93	92	95	94	90	91	96
	460-262622-A-5-E MS	87	93	82	93	92	84	114	94
	460-262622-A-5-F MSD	87	86	80	88	87	82	106	91

	QC LIMITS
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.: 460-262897-1

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-09-40 (5-5.5)P	460-262897-1	81	91	86	81	81	73	92	73
BCS-09-41 (5-5.5)P	460-262897-2	85	93	91	85	86	75	94	82
BCS-09-42 (5-5.5)P	460-262897-3	79	90	88	80	78	68	85	70
BCS-09-43 (5-5.5)P	460-262897-4	85	95	91	88	83	74	89	76
BCS-09-36 (6-6.5)P	460-262897-5	79	90	86	77	80	71	93	75
BCS-09-37 (6-6.5)P	460-262897-6	84	96	97	93	84	78	102	82
BCS-09-38 (6-6.5)P	460-262897-7	79	92	98	87	80	74	94	81
BCS-09-39 (6-6.5)P	460-262897-8	95	101	99	101	91	80	103	88
BCS-09-24 (5-5.5)P	460-262897-9	79	88	90	78	77	75	91	75
BCS-09-25 (5-5.5)P	460-262897-10	87	94	90	90	78	75	89	71
BCS-09-26 (5-5.5)P	460-262897-11	77	89	87	76	75	73	88	70
BCS-09-27 (5-5.5)P	460-262897-12	78	92	90	79	78	74	92	74
	MB 200-182317/1-A	85	91	89	85	80	73	85	70
	LCS 200-182317/2-A	87	92	90	92	80	71	85	75
	460-262622-A-5-E MS	81	93	102	152 *	72	108	106	126
	460-262622-A-5-F MSD	76	90	92	143	71	103	99	118

	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.: 460-262897-1

SDG No.:

Matrix: Solid Level: Low

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

Client Sample ID	Lab Sample ID	PFDoA #	PFTDA #
BCS-09-40 (5-5.5)P	460-262897-1	92	97
BCS-09-41 (5-5.5)P	460-262897-2	96	99
BCS-09-42 (5-5.5)P	460-262897-3	88	93
BCS-09-43 (5-5.5)P	460-262897-4	90	100
BCS-09-36 (6-6.5)P	460-262897-5	88	96
BCS-09-37 (6-6.5)P	460-262897-6	96	102
BCS-09-38 (6-6.5)P	460-262897-7	98	94
BCS-09-39 (6-6.5)P	460-262897-8	102	106
BCS-09-24 (5-5.5)P	460-262897-9	91	92
BCS-09-25 (5-5.5)P	460-262897-10	85	87
BCS-09-26 (5-5.5)P	460-262897-11	85	87
BCS-09-27 (5-5.5)P	460-262897-12	92	96
	MB 200-182317/1-A	74	76
	LCS 200-182317/2-A	83	84
	460-262622-A-5-E MS	102	93
	460-262622-A-5-F MSD	92	90

	QC LIMITS
PFDoA = 13C2 PFDoA	50-150
PFTDA = 13C2 PFTeDA	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.: 460-262897-1

SDG No.:

Matrix: Water Level: Low

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

Client Sample ID	Lab Sample ID	PFBA #	PFPeA #	C3PFBS #	PFHxA #	C4PFHA #	PFHxS #	M262FTS #	PFOA #
FB_20220729	460-262897-13	102	105	95	102	99	96	98	102
	MB 200-182374/1-A	99	103	96	101	105	96	95	101
	LCS 200-182374/2-A	101	102	92	99	99	98	96	102
	LCSD 200-182374/3-A	108	112	104	106	106	101	101	104

	QC LIMITS
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.: 460-262897-1

SDG No.:

Matrix: Water 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 #
FB_20220729	460-262897-13	88	99	97	99	80	76	94	77
	MB 200-182374/1-A	90	95	95	93	74	71	91	72
	LCS 200-182374/2-A	90	93	91	93	76	82	87	73
	LCSD 200-182374/3-A	100	107	101	102	81	92	99	79

	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.: 460-262897-1

SDG No.:

Matrix: Water Level: Low

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

Client Sample ID	Lab Sample ID	PFDoA #	PFTDA #
FB_20220729	460-262897-13	90	93
	MB 200-182374/1-A	81	88
	LCS 200-182374/2-A	85	91
	LCSD 200-182374/3-A	91	95

	QC LIMITS
PFDoA = 13C2 PFDoA	50-150
PFTDA = 13C2 PFTeDA	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.: 460-262897-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: PA220804B03.d

Lab ID: LCS 200-182317/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	2.00	2.034	102	60-140	
Perfluoropentanoic acid (PFPeA)	2.00	2.265	113	60-140	
Perfluorohexanoic acid (PFHxA)	2.00	2.134	107	60-140	
Perfluoroheptanoic acid (PFHpA)	2.00	2.174	109	60-140	
Perfluorooctanoic acid (PFOA)	2.00	2.062	103	60-140	
Perfluorononanoic acid (PFNA)	2.00	2.106	105	60-140	
Perfluorodecanoic acid (PFDA)	2.00	2.094	105	60-140	
Perfluoroundecanoic acid (PFUnA)	2.00	2.250	112	60-140	
Perfluorododecanoic acid (PFDoA)	2.00	2.137	107	60-140	
Perfluorotridecanoic acid (PFTriA)	2.00	2.076	104	60-140	
Perfluorotetradecanoic acid (PFTeA)	2.00	2.013	101	60-140	
Perfluorobutanesulfonic acid (PFBS)	1.77	1.815	103	60-140	
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.916	105	60-140	
Perfluoroheptanesulfonic acid (PFHpS)	1.90	2.122	111	60-140	
Perfluorodecanesulfonic acid (PFDS)	1.93	1.795	93	60-140	
Perfluorooctanesulfonic acid (PFOS)	1.86	2.031	109	60-140	
Perfluorooctanesulfonamide (FOSA)	2.00	2.137	107	60-140	
13C4 PFHpA	2.50	2.350	94	50-150	
13C4 PFOA	2.50	2.401	96	50-150	
13C5 PFNA	2.50	2.302	92	50-150	
13C4 PFBA	2.50	2.387	95	50-150	
13C2 PFHxA	2.50	2.383	95	50-150	
13C2 PFDA	2.50	2.239	90	50-150	
13C2 PFUnA	2.50	2.130	85	50-150	
18O2 PFHxS	2.37	2.138	90	50-150	
13C2 PFDoA	2.50	2.080	83	50-150	
13C4 PFOS	2.39	2.072	87	50-150	
13C8 FOSA	2.50	2.004	80	50-150	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.165	108	60-140	
13C5 PFPeA	2.50	2.323	93	50-150	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.955 J	98	60-140	

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.: 460-262897-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: PA220804B03.d

Lab ID: LCS 200-182317/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
13C2 PFTeDA	2.50	2.093	84	50-150	
d3-NMeFOSAA	2.50	1.782	71	50-150	
6:2 FTS	1.90	2.121	112	50-150	
d5-NEtFOSAA	2.50	1.879	75	50-150	
8:2 FTS	1.92	2.064	108	60-140	
M2-6:2 FTS	2.38	2.172	91	50-150	
13C3 PFBS	2.33	2.130	92	50-150	
M2-8:2 FTS	2.40	2.196	92	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.: 460-262897-1

SDG No.:

Matrix: Water Level: Low Lab File ID: PA220804C03.d

Lab ID: LCS 200-182374/2-A Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	80.0	80.36	100	70-130	
Perfluoropentanoic acid (PFPeA)	80.0	79.54	99	70-130	
Perfluorohexanoic acid (PFHxA)	80.0	81.96	102	70-130	
Perfluoroheptanoic acid (PFHpA)	80.0	83.11	104	70-130	
Perfluorooctanoic acid (PFOA)	80.0	82.27	103	70-130	
Perfluorononanoic acid (PFNA)	80.0	82.80	104	70-130	
Perfluorodecanoic acid (PFDA)	80.0	84.36	105	70-130	
Perfluoroundecanoic acid (PFUnA)	80.0	84.70	106	70-130	
Perfluorododecanoic acid (PFDoA)	80.0	84.88	106	70-130	
Perfluorotridecanoic acid (PFTriA)	80.0	83.25	104	70-130	
Perfluorotetradecanoic acid (PFTeA)	80.0	86.78	108	70-130	
Perfluorobutanesulfonic acid (PFBS)	70.7	72.73	103	70-130	
Perfluorohexanesulfonic acid (PFHxS)	72.8	72.92	100	70-130	
Perfluoroheptanesulfonic acid (PFHpS)	76.2	82.45	108	70-130	
Perfluorodecanesulfonic acid (PFDS)	77.1	72.00	93	70-130	
Perfluorooctanesulfonic acid (PFOS)	74.2	81.15	109	70-130	
Perfluorooctanesulfonamide (FOSA)	80.0	81.78	102	70-130	
13C4 PFHpA	50.0	49.35	99	50-150	
13C4 PFOA	50.0	50.86	102	50-150	
13C5 PFNA	50.0	46.69	93	50-150	
13C4 PFBA	50.0	50.31	101	50-150	
13C2 PFHxA	50.0	49.32	99	50-150	
13C2 PFDA	50.0	45.55	91	50-150	
13C2 PFUnA	50.0	43.66	87	50-150	
18O2 PFHxS	47.3	46.23	98	50-150	
13C2 PFDoA	50.0	42.28	85	50-150	
13C4 PFOS	47.8	42.86	90	50-150	
13C8 FOSA	50.0	37.76	76	50-150	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	80.0	83.89	105	70-130	
13C5 PFPeA	50.0	51.16	102	50-150	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	80.0	79.78	100	70-130	

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.: 460-262897-1

SDG No.:

Matrix: Water Level: Low Lab File ID: PA220804C03.d

Lab ID: LCS 200-182374/2-A Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS % REC	QC LIMITS REC	#
13C2 PFTeDA	50.0	45.58	91	50-150	
d3-NMeFOSAA	50.0	40.93	82	50-150	
6:2 FTS	75.8	81.54	108	60-140	
d5-NEtFOSAA	50.0	36.47	73	50-150	
8:2 FTS	76.6	83.50	109	70-130	
M2-6:2 FTS	47.5	45.59	96	50-150	
13C3 PFBS	46.5	42.87	92	50-150	
M2-8:2 FTS	47.9	44.44	93	50-150	

Column to be used to flag recovery and RPD values

FORM III 537 (modified)

FORM III
PFAS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Matrix: Water Level: Low Lab File ID: PA220804C04.d

Lab ID: LCSD 200-182374/3-A Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LCSD CONCENTRATION (ng/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	80.0	80.03	100	0	30	70-130	
Perfluoropentanoic acid (PFPeA)	80.0	83.33	104	5	30	70-130	
Perfluorohexanoic acid (PFHxA)	80.0	86.20	108	5	30	70-130	
Perfluoroheptanoic acid (PFHpA)	80.0	83.52	104	0	30	70-130	
Perfluorooctanoic acid (PFOA)	80.0	83.22	104	1	30	70-130	
Perfluorononanoic acid (PFNA)	80.0	83.63	105	1	30	70-130	
Perfluorodecanoic acid (PFDA)	80.0	83.58	104	1	30	70-130	
Perfluoroundecanoic acid (PFUnA)	80.0	84.46	106	0	30	70-130	
Perfluorododecanoic acid (PFDoA)	80.0	83.57	104	2	30	70-130	
Perfluorotridecanoic acid (PFTriA)	80.0	81.83	102	2	30	70-130	
Perfluorotetradecanoic acid (PFTeA)	80.0	83.50	104	4	30	70-130	
Perfluorobutanesulfonic acid (PFBS)	70.7	73.39	104	1	30	70-130	
Perfluorohexanesulfonic acid (PFHxS)	72.8	75.98	104	4	30	70-130	
Perfluoroheptanesulfonic acid (PFHpS)	76.2	80.28	105	3	30	70-130	
Perfluorodecanesulfonic acid (PFDS)	77.1	70.59	92	2	30	70-130	
Perfluorooctanesulfonic acid (PFOS)	74.2	80.69	109	1	30	70-130	
Perfluorooctanesulfonamide (FOSA)	80.0	82.73	103	1	30	70-130	
13C4 PFHpA	50.0	53.05	106			50-150	
13C4 PFOA	50.0	51.77	104			50-150	
13C5 PFNA	50.0	53.53	107			50-150	
13C4 PFBA	50.0	53.97	108			50-150	
13C2 PFHxA	50.0	53.11	106			50-150	
13C2 PFDA	50.0	50.41	101			50-150	
13C2 PFUnA	50.0	49.38	99			50-150	
18O2 PFHxS	47.3	47.93	101			50-150	
13C2 PFDoA	50.0	45.51	91			50-150	
13C4 PFOS	47.8	47.98	100			50-150	
13C8 FOSA	50.0	40.34	81			50-150	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	80.0	81.74	102	3	30	70-130	
13C5 PFPeA	50.0	55.77	112			50-150	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	80.0	83.41	104	4	30	70-130	

Column to be used to flag recovery and RPD values

FORM III 537 (modified)

FORM III
PFAS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Matrix: Water Level: Low Lab File ID: PA220804C04.d

Lab ID: LCSD 200-182374/3-A Client ID:

COMPOUND	SPIKE ADDED (ng/L)	LCSD CONCENTRATION (ng/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
13C2 PFTeDA	50.0	47.42	95			50-150	
d3-NMeFOSAA	50.0	46.13	92			50-150	
6:2 FTS	75.8	85.18	112	4	30	60-140	
d5-NEtFOSAA	50.0	39.58	79			50-150	
8:2 FTS	76.6	77.61	101	7	30	70-130	
M2-6:2 FTS	47.5	47.77	101			50-150	
13C3 PFBS	46.5	48.46	104			50-150	
M2-8:2 FTS	47.9	48.95	102			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.: 460-262897-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: PA220804B05.d

Lab ID: 460-262622-A-5-E MS Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	2.30	0.58 U	2.375	103	60-140	
Perfluoropentanoic acid (PFPeA)	2.30	0.17 J	2.461	100	60-140	
Perfluorohexanoic acid (PFHxA)	2.30	0.11 J	2.530	105	60-140	
Perfluoroheptanoic acid (PFHpA)	2.30	0.098 J	2.432	102	60-140	
Perfluorooctanoic acid (PFOA)	2.30	0.57	2.849	99	60-140	
Perfluorononanoic acid (PFNA)	2.30	0.11 J	2.617	109	60-140	
Perfluorodecanoic acid (PFDA)	2.30	0.082 J	2.422	102	60-140	
Perfluoroundecanoic acid (PFUnA)	2.30	0.063 J	2.438	104	60-140	
Perfluorododecanoic acid (PFDoA)	2.30	0.052 J	2.533	108	60-140	
Perfluorotridecanoic acid (PFTriA)	2.30	0.23 U	2.116	92	60-140	
Perfluorotetradecanoic acid (PFTeA)	2.30	0.038 J	2.444	105	60-140	
Perfluorobutanesulfonic acid (PFBS)	2.03	0.23 U	2.184	108	60-140	
Perfluorohexanesulfonic acid (PFHxS)	2.09	0.23 U	2.272	109	60-140	
Perfluoroheptanesulfonic acid (PFHpS)	2.19	0.23 U	2.372	109	60-140	
Perfluorodecanesulfonic acid (PFDS)	2.21	0.060 J	2.469	109	60-140	
Perfluorooctanesulfonic acid (PFOS)	2.13	2.92	5.076	101	60-140	
Perfluorooctanesulfonamide (FOSA)	2.30	0.23 U	2.452	107	60-140	
13C4 PFHpA	2.87	2.73	2.641	92	50-150	
13C4 PFOA	2.87	2.74	2.708	94	50-150	
13C5 PFNA	2.87	2.80	2.667	93	50-150	
13C4 PFBA	2.87	2.80	2.483	87	50-150	
13C2 PFHxA	2.87	2.75	2.672	93	50-150	
13C2 PFDA	2.87	3.13	2.915	102	50-150	
13C2 PFUnA	2.87	3.18	3.035	106	50-150	
18O2 PFHxS	2.71	2.45	2.292	84	50-150	
13C2 PFDoA	2.87	3.21	2.925	102	50-150	
13C4 PFOS	2.74	2.40	2.227	81	50-150	
13C8 FOSA	2.87	2.28	2.063	72	50-150	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.30	2.32 U	2.489	108	60-140	
13C5 PFPeA	2.87	2.84	2.679	93	50-150	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.30	0.15 J	2.641	109	60-140	

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.: 460-262897-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: PA220804B05.d

Lab ID: 460-262622-A-5-E MS Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
13C2 PFTeDA	2.87	2.96	2.670	93	50-150	
d3-NMeFOSAA	2.87	2.69	3.093	108	50-150	
6:2 FTS	2.18	2.32 U	2.314	106	50-150	
d5-NEtFOSAA	2.87	3.46	3.627	126	50-150	
8:2 FTS	2.20	2.32 U	2.521	115	60-140	
M2-6:2 FTS	2.73	3.04	3.110	114	50-150	
13C3 PFBS	2.67	2.43	2.181	82	50-150	
M2-8:2 FTS	2.75	3.82	4.185	152	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.: 460-262897-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: PA220804B06.d

Lab ID: 460-262622-A-5-F MSD Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Perfluorobutanoic acid (PFBA)	2.28	2.351	103	1	30	60-140	
Perfluoropentanoic acid (PFPeA)	2.28	2.705	111	9	30	60-140	
Perfluorohexanoic acid (PFHxA)	2.28	2.527	106	0	30	60-140	
Perfluoroheptanoic acid (PFHpA)	2.28	2.560	108	5	30	60-140	
Perfluorooctanoic acid (PFOA)	2.28	2.893	102	2	30	60-140	
Perfluorononanoic acid (PFNA)	2.28	2.570	108	2	30	60-140	
Perfluorodecanoic acid (PFDA)	2.28	2.663	113	9	30	60-140	
Perfluoroundecanoic acid (PFUnA)	2.28	2.510	107	3	30	60-140	
Perfluorododecanoic acid (PFDoA)	2.28	2.466	106	3	30	60-140	
Perfluorotridecanoic acid (PFTriA)	2.28	2.228	98	5	30	60-140	
Perfluorotetradecanoic acid (PFTeA)	2.28	2.505	108	2	30	60-140	
Perfluorobutanesulfonic acid (PFBS)	2.01	2.105	105	4	30	60-140	
Perfluorohexanesulfonic acid (PFHxS)	2.07	2.239	108	1	30	60-140	
Perfluoroheptanesulfonic acid (PFHpS)	2.17	2.482	114	5	30	60-140	
Perfluorodecanesulfonic acid (PFDS)	2.20	2.406	107	3	30	60-140	
Perfluorooctanesulfonic acid (PFOS)	2.11	6.240	157	21	30	60-140	*
Perfluorooctanesulfonamide (FOSA)	2.28	2.525	111	3	30	60-140	
13C4 PFHpA	2.85	2.471	87			50-150	
13C4 PFOA	2.85	2.594	91			50-150	
13C5 PFNA	2.85	2.571	90			50-150	
13C4 PFBA	2.85	2.487	87			50-150	
13C2 PFHxA	2.85	2.518	88			50-150	
13C2 PFDA	2.85	2.616	92			50-150	
13C2 PFUnA	2.85	2.827	99			50-150	
18O2 PFHxS	2.69	2.203	82			50-150	
13C2 PFDoA	2.85	2.606	92			50-150	
13C4 PFOS	2.72	2.068	76			50-150	
13C8 FOSA	2.85	2.015	71			50-150	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.28	2.683	118	8	30	60-140	
13C5 PFPeA	2.85	2.455	86			50-150	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.28	2.506	104	5	30	60-140	

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.: 460-262897-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: PA220804B06.d

Lab ID: 460-262622-A-5-F MSD Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
13C2 PFTeDA	2.85	2.560	90			50-150	
d3-NMeFOSAA	2.85	2.946	103			50-150	
6:2 FTS	2.16	2.335	108	1	30	50-150	
d5-NEtFOSAA	2.85	3.369	118			50-150	
8:2 FTS	2.18	2.372	109	6	30	60-140	
M2-6:2 FTS	2.70	2.854	106			50-150	
13C3 PFBS	2.65	2.114	80			50-150	
M2-8:2 FTS	2.73	3.901	143			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.: 460-262897-1

SDG No.:

Lab File ID: PA220804B02.d Lab Sample ID: MB 200-182317/1-A

Matrix: Solid Date Extracted: 08/03/2022 11:39

Instrument ID: LC812 Date Analyzed: 08/04/2022 14:09

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-182317/2-A	PA220804B03.d	08/04/2022 14:17
	460-262622-A-5-E MS	PA220804B05.d	08/04/2022 14:33
	460-262622-A-5-F MSD	PA220804B06.d	08/04/2022 14:42
BCS-09-40 (5-5.5)P	460-262897-1	PA220804B09.d	08/04/2022 15:06
BCS-09-41 (5-5.5)P	460-262897-2	PA220804B10.d	08/04/2022 15:14
BCS-09-42 (5-5.5)P	460-262897-3	PA220804B11.d	08/04/2022 15:23
BCS-09-43 (5-5.5)P	460-262897-4	PA220804B12.d	08/04/2022 15:31
BCS-09-36 (6-6.5)P	460-262897-5	PA220804B14.d	08/04/2022 15:47
BCS-09-37 (6-6.5)P	460-262897-6	PA220804B15.d	08/04/2022 15:55
BCS-09-38 (6-6.5)P	460-262897-7	PA220804B16.d	08/04/2022 16:03
BCS-09-39 (6-6.5)P	460-262897-8	PA220804B17.d	08/04/2022 16:12
BCS-09-24 (5-5.5)P	460-262897-9	PA220804B18.d	08/04/2022 16:20
BCS-09-25 (5-5.5)P	460-262897-10	PA220804B19.d	08/04/2022 16:28
BCS-09-26 (5-5.5)P	460-262897-11	PA220804B20.d	08/04/2022 16:36
BCS-09-27 (5-5.5)P	460-262897-12	PA220804B21.d	08/04/2022 16:44

FORM IV
PFAS METHOD BLANK SUMMARY

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Lab File ID: PA220804C02.d Lab Sample ID: MB 200-182374/1-A

Matrix: Water Date Extracted: 08/04/2022 11:45

Instrument ID: LC812 Date Analyzed: 08/04/2022 17:09

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-182374/2-A	PA220804C03.d	08/04/2022 17:17
	LCSD 200-182374/3-A	PA220804C04.d	08/04/2022 17:25
FB_20220729	460-262897-13	PA220804C08.d	08/04/2022 17:58

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Sample No.: ICIS 200-182319/8 Date Analyzed: 08/03/2022 13:24

Instrument ID: LC812 GC Column: C-18 ID: 4.6(mm)

Lab File ID (Standard): PA220803ICAL08.d Heated Purge: (Y/N) N

Calibration ID: 48756

		13PFOA					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		1727269	3.48				
UPPER LIMIT		2590904	3.68				
LOWER LIMIT		863635	3.28				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICB 200-182319/11		1738669	3.48				
ICV 200-182319/12		2802391*	3.48				
CCVLIS 200-182364/5		1733343	3.47				

13PFOA = 13C2 PFOA

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

Column used to flag values outside QC limits

FORM VIII 537 (MODIFIED)

FORM VIII
PFAS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Sample No.: CCVLIS 200-182364/5 Date Analyzed: 08/04/2022 11:09

Instrument ID: LC812 GC Column: C-18 ID: 4.6(mm)

Lab File ID (Standard): PA220804A05.d Heated Purge: (Y/N) N

Calibration ID: 48756

		13PFOA					
		AREA #	RT #	#	RT #	#	RT #
Low Level 12/24 HOUR STD		1733343	3.47				
UPPER LIMIT		2600015	3.67				
LOWER LIMIT		866672	3.27				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 200-182375/1		1795525	3.47				
MB 200-182317/1-A		1538962	3.47				
LCS 200-182317/2-A		1613813	3.46				
460-262622-A-5-E MS		1950812	3.46				
460-262622-A-5-F MSD		1643080	3.47				
460-262897-1	BCS-09-40 (5-5.5)P	1627358	3.46				
460-262897-2	BCS-09-41 (5-5.5)P	1525093	3.47				
460-262897-3	BCS-09-42 (5-5.5)P	2040905	3.47				
460-262897-4	BCS-09-43 (5-5.5)P	1705873	3.47				
CCV 200-182375/13		2299599	3.46				
460-262897-5	BCS-09-36 (6-6.5)P	1575109	3.47				
460-262897-6	BCS-09-37 (6-6.5)P	1907777	3.47				
460-262897-7	BCS-09-38 (6-6.5)P	1893007	3.47				
460-262897-8	BCS-09-39 (6-6.5)P	1921741	3.47				
460-262897-9	BCS-09-24 (5-5.5)P	1631723	3.47				
460-262897-10	BCS-09-25 (5-5.5)P	1562569	3.47				
460-262897-11	BCS-09-26 (5-5.5)P	1616319	3.47				
460-262897-12	BCS-09-27 (5-5.5)P	1632820	3.47				
CCV 200-182375/22		1881928	3.47				
CCV 200-182386/1		1878857	3.48				
MB 200-182374/1-A		1745312	3.47				
LCS 200-182374/2-A		1693062	3.46				
LCSD 200-182374/3-A		1601221	3.47				
460-262897-13	FB_20220729	1951668	3.47				
CCV 200-182386/12		1876334	3.47				

13PFOA = 13C2 PFOA

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

Column used to flag values outside QC limits

FORM VIII 537 (MODIFIED)

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 460-262897-1

SDG No.:

Client Sample ID: BCS-09-40 (5-5.5)P | Lab Sample ID: 460-262897-1

Matrix: Solid | Lab File ID: PA220804B09.d

Analysis Method: 537 (modified) | Date Collected: 07/29/2022 10:05

Extraction Method: SHAKE | Date Extracted: 08/03/2022 11:39

Sample wt/vol: 5.30(g) | Date Analyzed: 08/04/2022 15:06

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

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

% Moisture: 4.1 % Solids: 95.9 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 182375 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.49	U	0.49	0.32
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.054
307-24-4	Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.045
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.038
335-67-1	Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.057
375-95-1	Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.033
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	0.032
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.040
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)	0.024	J	0.20	0.019
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.20	U	0.20	0.033
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.97	U	1.97	0.11
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.97	U	1.97	0.082
27619-97-2	6:2 FTS	1.97	U	1.97	0.056
39108-34-4	8:2 FTS	1.97	U	1.97	0.036

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Client Sample ID: BCS-09-40 (5-5.5)P Lab Sample ID: 460-262897-1

Matrix: Solid Lab File ID: PA220804B09.d

Analysis Method: 537 (modified) Date Collected: 07/29/2022 10:05

Extraction Method: SHAKE Date Extracted: 08/03/2022 11:39

Sample wt/vol: 5.30(g) Date Analyzed: 08/04/2022 15:06

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

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

% Moisture: 4.1 % Solids: 95.9 GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 182375 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	86		50-150
STL01892	13C4 PFHpA	93		50-150
STL00990	13C4 PFOA	96		50-150
STL00991	13C4 PFOS	81		50-150
STL00995	13C5 PFNA	91		50-150
STL00992	13C4 PFBA	99		50-150
STL00993	13C2 PFHxA	93		50-150
STL00996	13C2 PFDA	86		50-150
STL00997	13C2 PFUnA	92		50-150
STL00998	13C2 PFDoA	92		50-150
STL01056	13C8 FOSA	81		50-150
STL01893	13C5 PFPeA	95		50-150
STL02116	13C2 PFTeDA	97		50-150
STL02118	d3-NMeFOSAA	73		50-150
STL02117	d5-NEtFOSAA	73		50-150
STL02279	M2-6:2 FTS	87		50-150
STL02280	M2-8:2 FTS	81		50-150
STL02337	13C3 PFBS	85		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B09.d
Lims ID: 460-262897-A-1-A
Client ID: BCS-09-40 (5-5.5)P
Sample Type: Client
Inject. Date: 04-Aug-2022 15:06:39 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: 460-262897-A-1-A
Misc. Info.: 200-0051959-009 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 05-Aug-2022 12:53:58 Calib Date: 03-Aug-2022 13:41:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1640

First Level Reviewer: nampitakw Date: 05-Aug-2022 11:25:11
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.069	2.076	-0.007	0.598	1872064	1.23		98.6	9970	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.078	2.085	-0.007	1.004	24371	0.0168			2.0	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.378	2.400	-0.022	0.687	1389074	1.19		95.1	2600	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.378	2.400	-0.022	1.000	13590	0.0119			0.5	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.391	2.413	-0.022	0.691	1339919	0.99		85.2	207180	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.405	2.413	-0.008	1.006	3550	0.002790	Target=2.23		3.4	M
298.90 > 99.00	2.405	2.413	-0.008	1.006	2016		1.76(1.11-3.34)		1.1	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.733	2.750	-0.017	1.000	13305	0.0118	Target=12.24		2.4	M
313.00 > 119.00	2.721	2.750	-0.029	0.996	1709		7.79(6.12-18.36)		2.1	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.733	2.750	-0.017	0.790	1350151	1.16		92.6	2874	
D 11 18O2 PFHxS										
403.00 > 84.00	3.105	3.110	-0.005	0.897	967496	1.02		86.0	2078	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.094	3.110	-0.016	0.996	4343	0.004813	Target=3.43		8.8	M
399.00 > 99.00	3.094	3.110	-0.016	0.996	976		4.45(1.72-5.15)		1.4	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.105	3.121	-0.016	0.897	1408236	1.16		93.1	2882	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.105	3.121	-0.016	1.000	5257	0.004528	Target=3.73		1.4	M
363.00 > 169.00	3.105	3.121	-0.016	1.000	1197		4.39(1.86-5.59)		3.3	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 12 M2-6:2 FTS										
429.00 > 81.00	3.453	3.465	-0.012	0.997	164935	1.04		87.3	445	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.444	3.465	-0.021	0.997	1112	-0.0113			8.0	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.462	3.474	-0.012	1.000	12609	0.009489	Target=2.67		1.5	M
413.00 > 169.00	3.462	3.474	-0.012	1.000	6436		1.96(1.34-4.01)		14.3	M
D 14 13C4 PFOA										
417.00 > 372.00	3.462	3.474	-0.012	1.000	1481195	1.19		95.6	2732	
* 62 13C2 PFOA										
415.00 > 370.00	3.462	3.474	-0.012		1627358	1.25			3316	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.789	3.792	-0.003	1.003	7814	-0.004884	Target=4.88		4.6	M
499.00 > 99.00	3.770	3.792	-0.022	0.997	2612		2.99(2.44-7.32)		6.0	M
D 18 13C4 PFOS										
503.00 > 80.00	3.780	3.792	-0.012	1.092	690640	0.9726		81.4	2208	
D 19 13C5 PFNA										M
468.00 > 423.00	3.799	3.812	-0.013	1.097	1462387	1.14		90.9	2365	M
24 Perfluorodecanoic acid										RM
513.00 > 469.00	4.103	4.116	-0.013	1.000	4698	0.004135	Target=9.67		3.6	RM
513.00 > 169.00	4.115	4.116	-0.001	1.003	187		25.12(4.83-14.50)		1.9	M
D 23 13C2 PFDA										
515.00 > 470.00	4.103	4.116	-0.013	1.185	1350491	1.08		86.2	3072	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.103	4.127	-0.024	0.997	244	0.001622			7.3	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.115	4.127	-0.012	1.189	186580	0.9742		81.4	769	
D 21 13C8 FOSA										M
506.00 > 78.00	4.149	4.161	-0.012	1.199	1105400	1.01		80.6	1730	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.149	4.161	-0.012	1.000	1090	0.001210			6.2	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.272	4.261	0.011	1.006	278	0.002554			1.4	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.249	4.261	-0.012	1.227	153193	0.9122		73.0	1038	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.353	4.365	-0.012	1.152	4026	0.0120	Target=2.80		14.8	M
599.00 > 99.00	4.341	4.365	-0.024	1.149	1993		2.02(1.40-4.20)		11.5	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.375	4.387	-0.012	1.264	1089222	1.15		91.8	1831	
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.375	4.387	-0.012	1.000	1267	0.001372	Target=9.07		1.4	M
563.00 > 169.00	4.364	4.387	-0.023	0.997	177		7.16(4.54-13.61)		4.2	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.386	4.399	-0.013	1.000	388	0.003675			2.7	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.386	4.399	-0.013	1.267	145352	0.9144		73.2	822	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 36 13C2 PFDoA										M
615.00 > 570.00	4.622	4.633	-0.011	1.335	1130356	1.15		91.9	1899	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.622	4.633	-0.011	1.000	1777	0.001938	Target=6.97		0.5	M
613.00 > 169.00	4.632	4.633	-0.001	1.002	440		4.04(3.48-10.45)		4.7	M
41 Perfluorotridecanoic acid										RM
663.00 > 619.00	4.836	4.859	-0.023	1.046	1517	0.001908	Target=4.56		0.4	RM
663.00 > 169.00	4.847	4.859	-0.012	1.049	118		12.86(2.28-6.84)		2.1	M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.041	5.052	-0.011	1.456	972987	1.21		96.8	3949	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.031	5.052	-0.021	0.998	374	0.002999	Target=0.94		5.1	M
713.00 > 219.00	5.041	5.052	-0.011	1.000	308		1.21(0.47-1.41)		6.8	M

QC Flag Legend

Processing Flags
R - Failed Signal Ratio Test
Review Flags
M - Manually Integrated

Report Date: 05-Aug-2022 12:54:31 Chrom Revision: 2.3 04-Aug-2022 18:02:28

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B09.d

Injection Date: 04-Aug-2022 15:06:39 Instrument ID: LC812

Lims ID: 460-262897-A-1-A Lab Sample ID: 200-262897-1

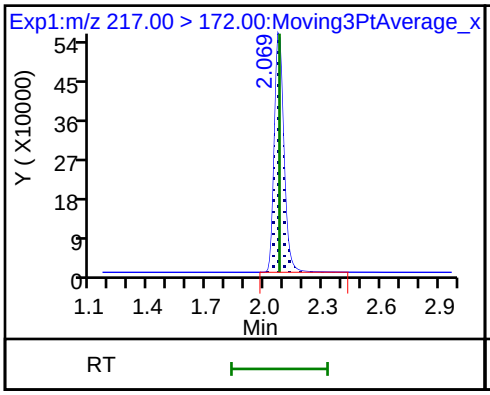
Client ID: BCS-09-40 (5-5.5)P

Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 9

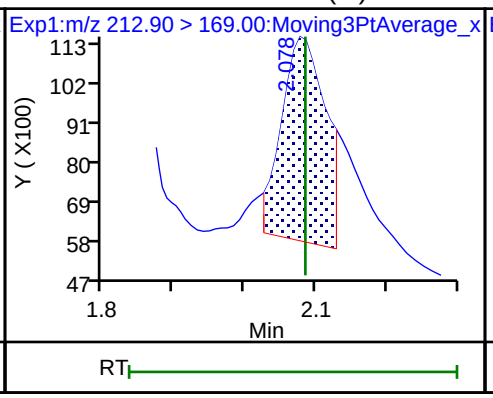
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

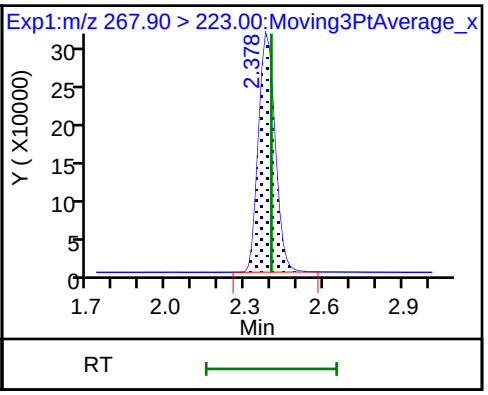
D 1 13C4 PFBA



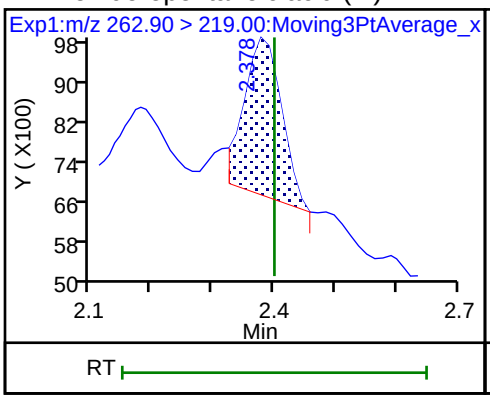
2 Perfluorobutanoic acid (M)



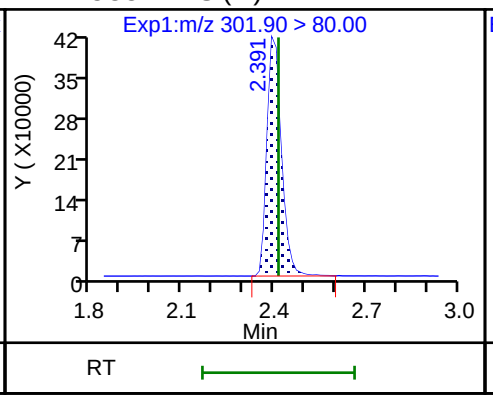
D 3 13C5 PFPeA



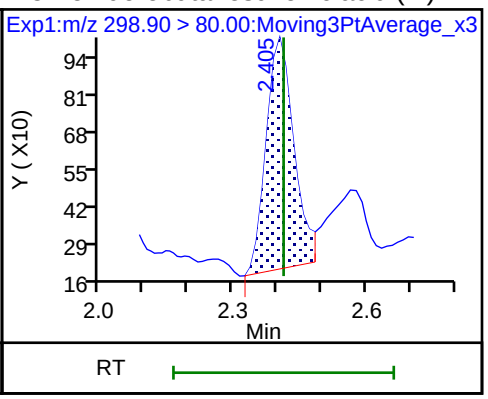
4 Perfluoropentanoic acid (M)



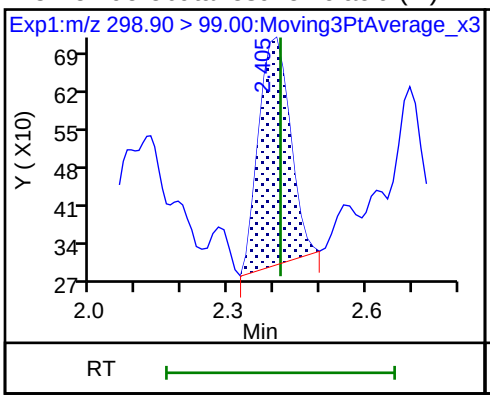
D 47 13C3 PFBS (M)



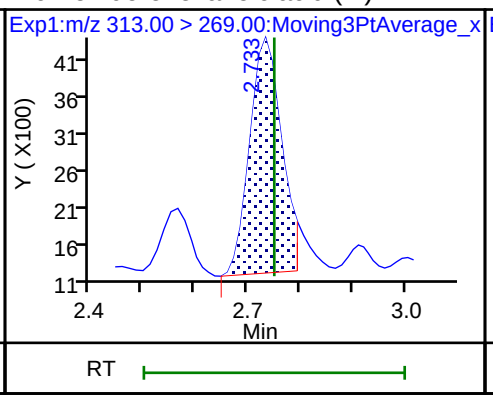
5 Perfluorobutanesulfonic acid (M)



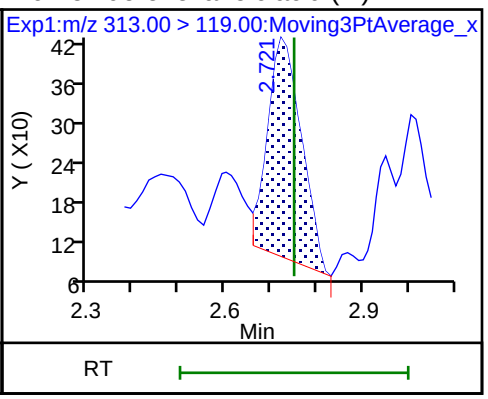
5 Perfluorobutanesulfonic acid (M)



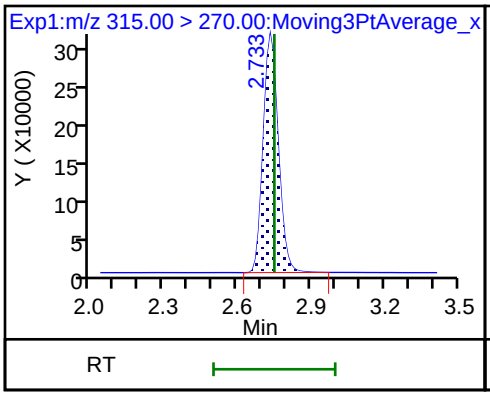
6 Perfluorohexanoic acid (M)



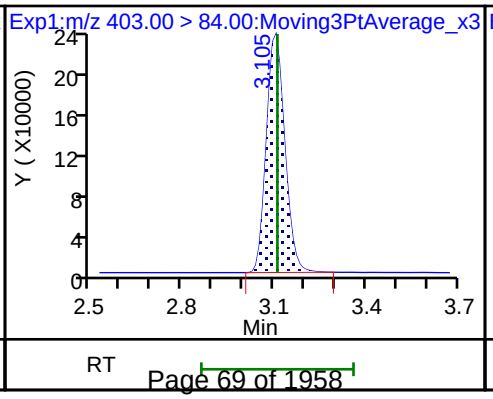
6 Perfluorohexanoic acid (M)



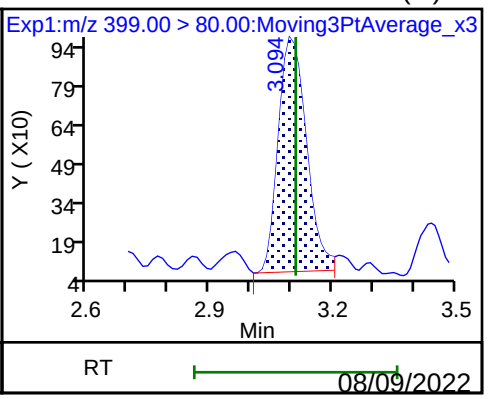
D 7 13C2 PFHxA



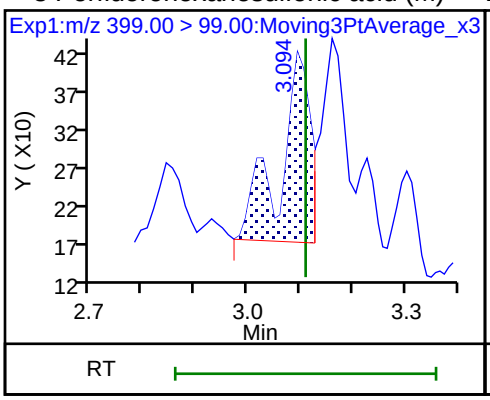
D 11 18O2 PFHxS



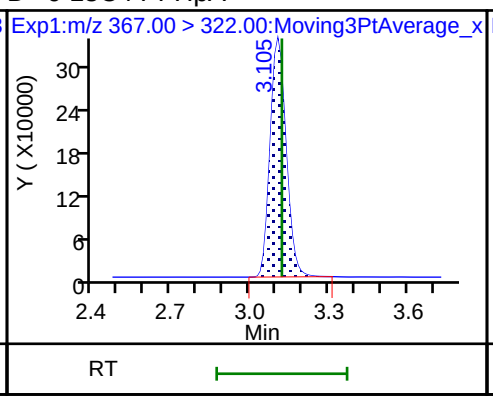
8 Perfluorohexanesulfonic acid (M)



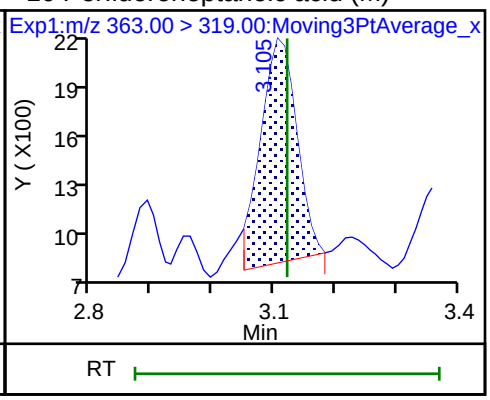
8 Perfluorohexanesulfonic acid (M)



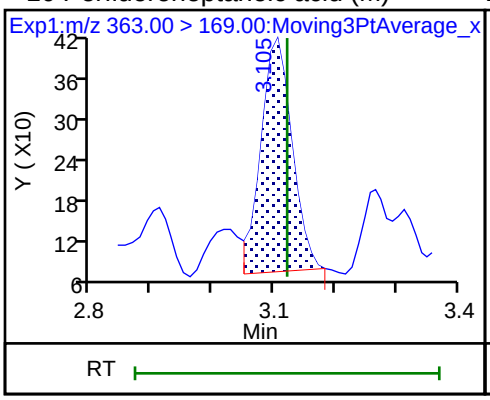
D 9 13C4 PFHpA



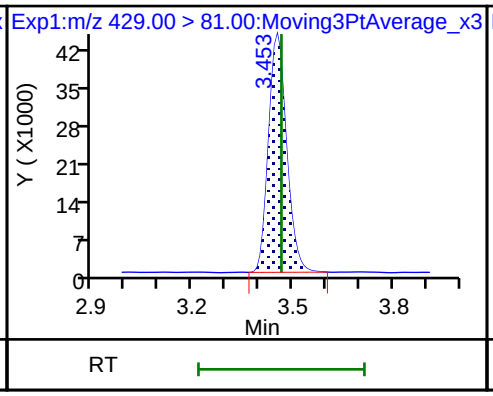
10 Perfluoroheptanoic acid (M)



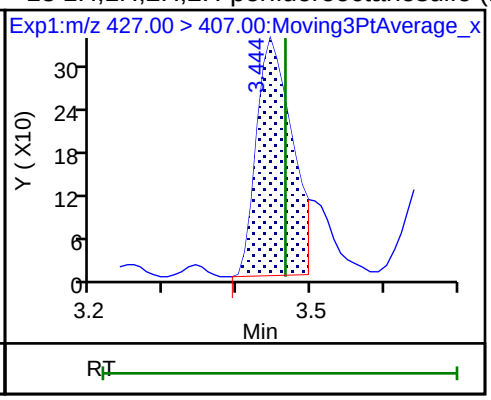
10 Perfluoroheptanoic acid (M)



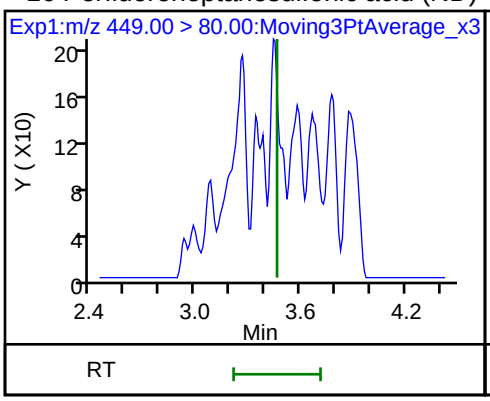
D 12 M2-6:2 FTS



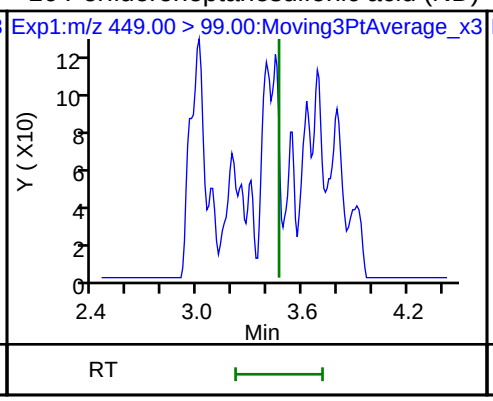
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



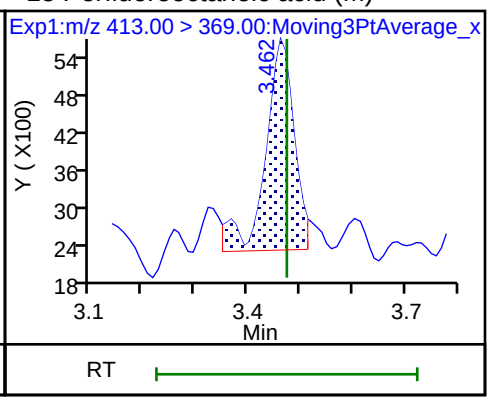
16 Perfluoroheptanesulfonic acid (ND)



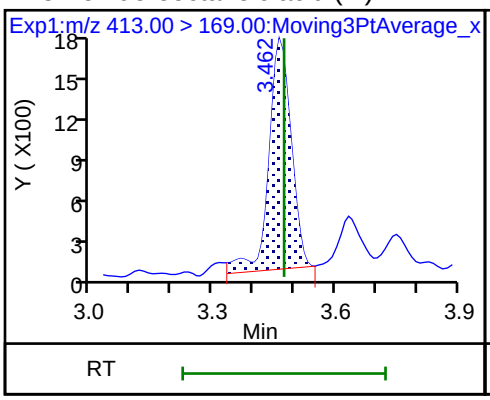
16 Perfluoroheptanesulfonic acid (ND)



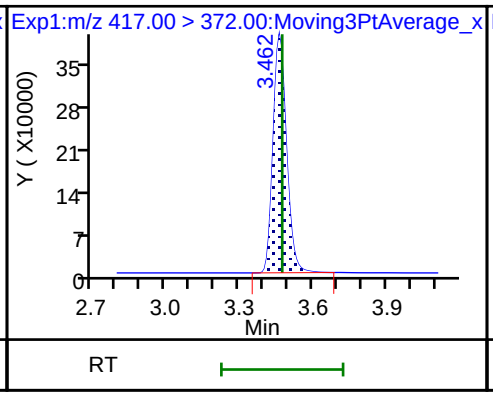
15 Perfluorooctanoic acid (M)



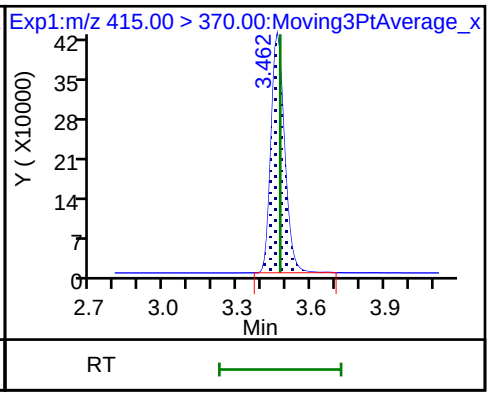
15 Perfluorooctanoic acid (M)



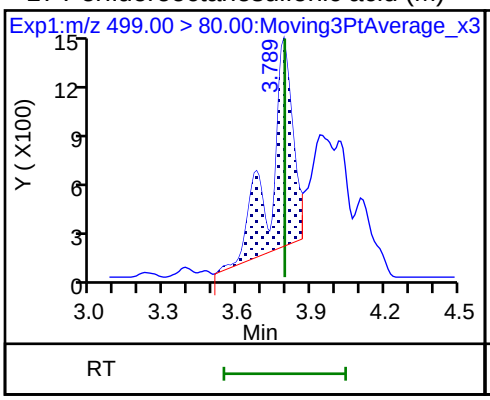
D 14 13C4 PFOA



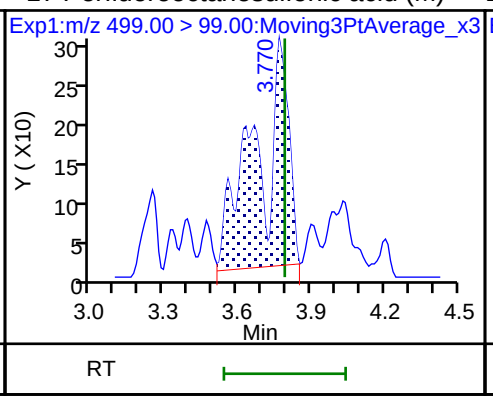
* 62 13C2 PFOA



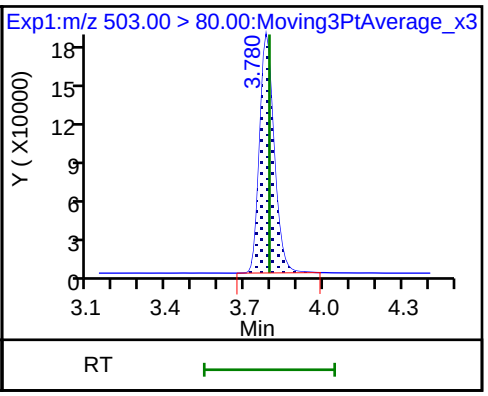
17 Perfluorooctanesulfonic acid (M)



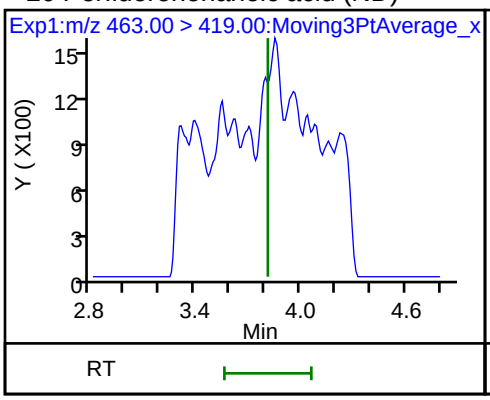
17 Perfluorooctanesulfonic acid (M)



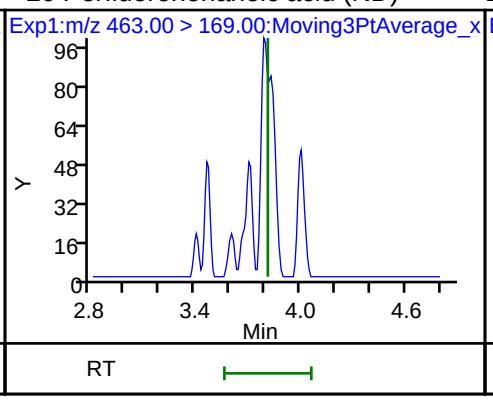
D 18 13C4 PFOS



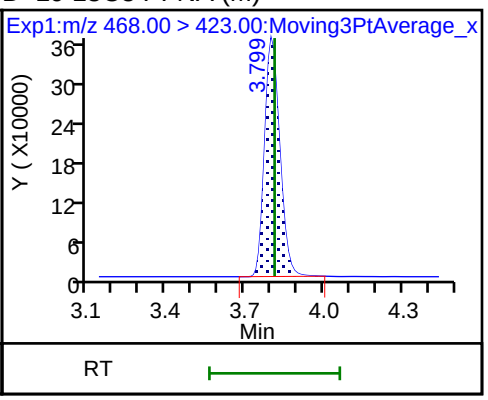
20 Perfluorononanoic acid (ND)



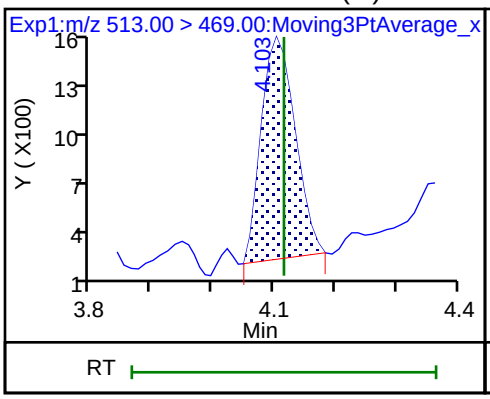
20 Perfluorononanoic acid (ND)



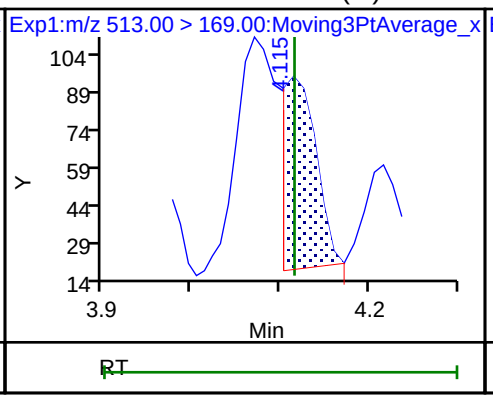
D 19 13C5 PFNA (M)



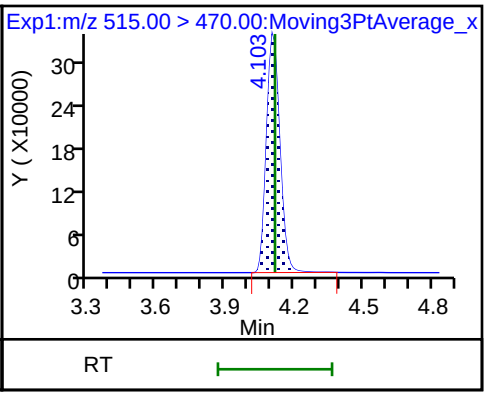
24 Perfluorodecanoic acid (M)



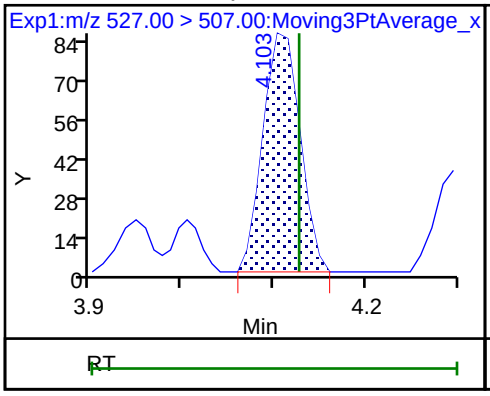
24 Perfluorodecanoic acid (M)



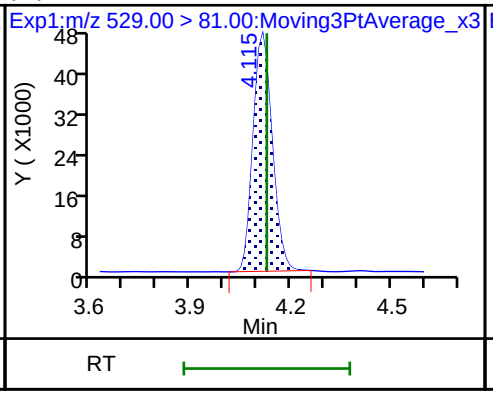
D 23 13C2 PFDA



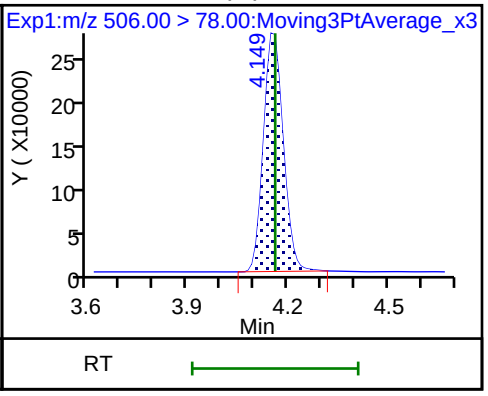
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



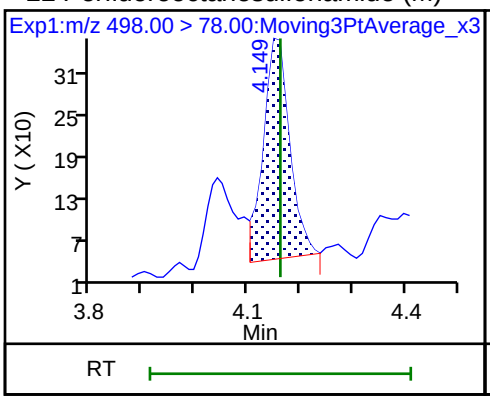
D 26 M2-8:2 FTS



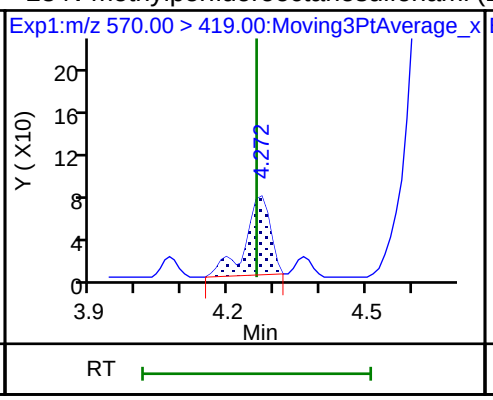
D 21 13C8 FOSA (M)



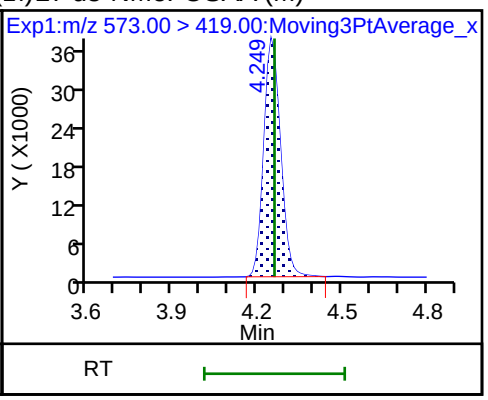
22 Perfluorooctanesulfonamide (M)



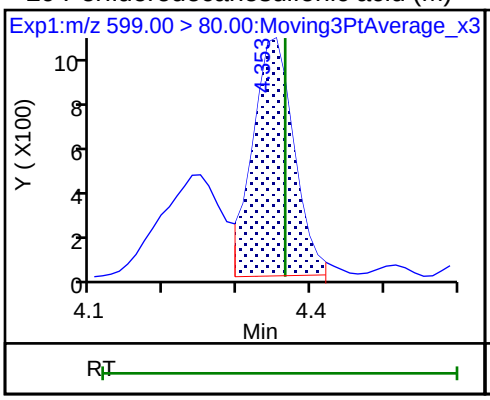
28 N-methylperfluorooctanesulfonami (M)



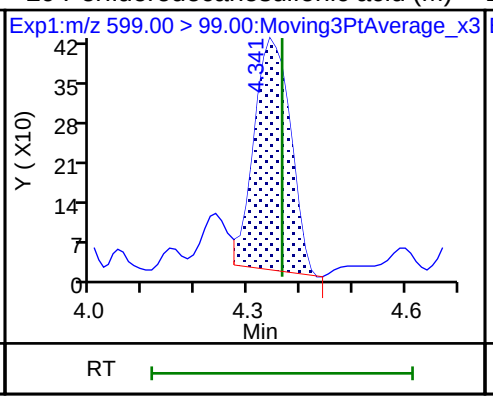
D 27 d3-NMeFOSAA (M)



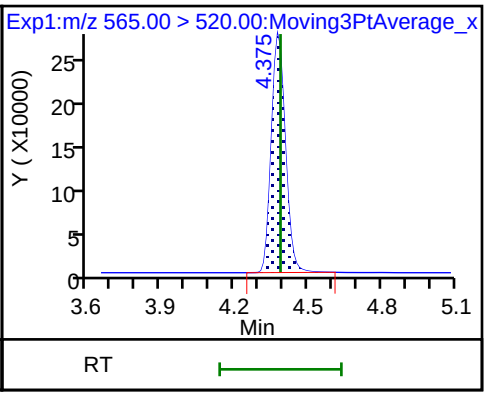
29 Perfluorodecanesulfonic acid (M)



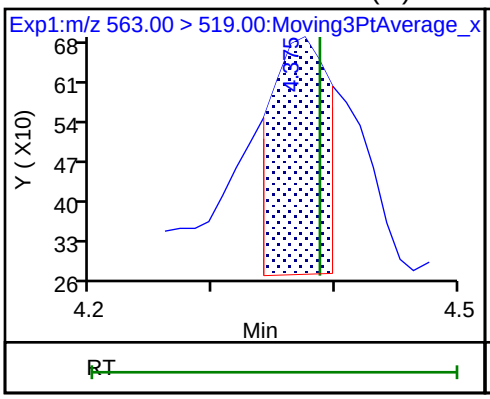
29 Perfluorodecanesulfonic acid (M)



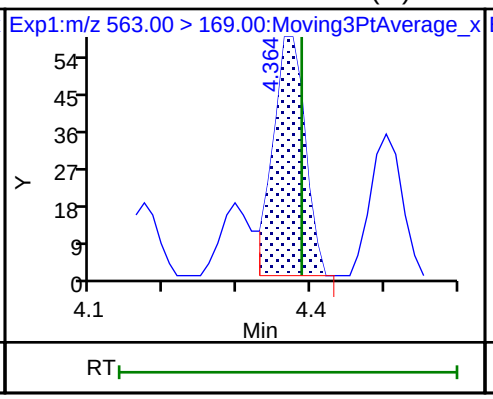
D 30 13C2 PFUnA



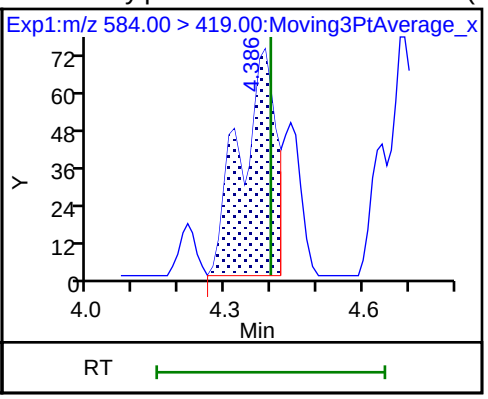
31 Perfluoroundecanoic acid (M)



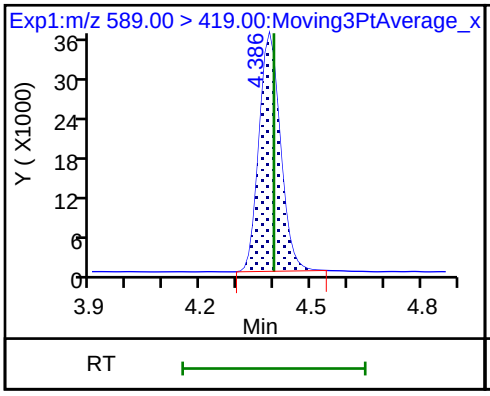
31 Perfluoroundecanoic acid (M)



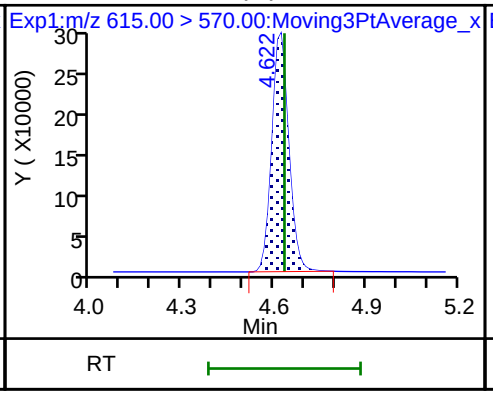
33 N-ethylperfluorooctanesulfonamid (M)



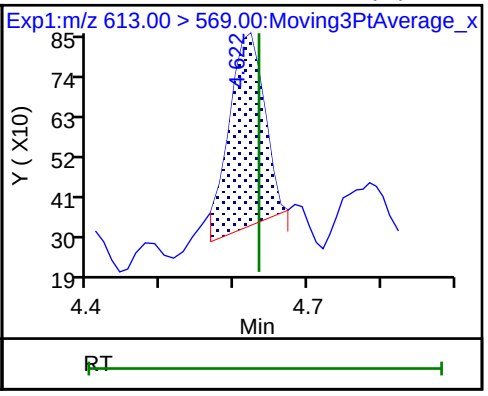
D 32 d5-NEtFOSAA



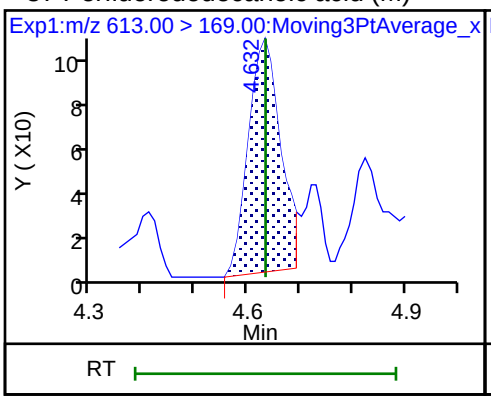
D 36 13C2 PFDoA (M)



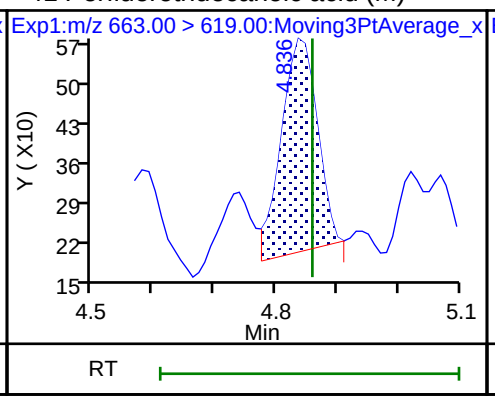
37 Perfluorododecanoic acid (M)



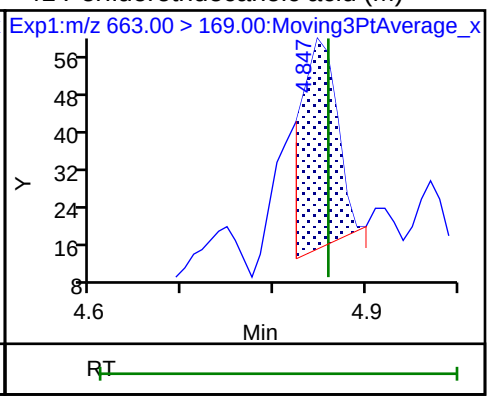
37 Perfluorododecanoic acid (M)



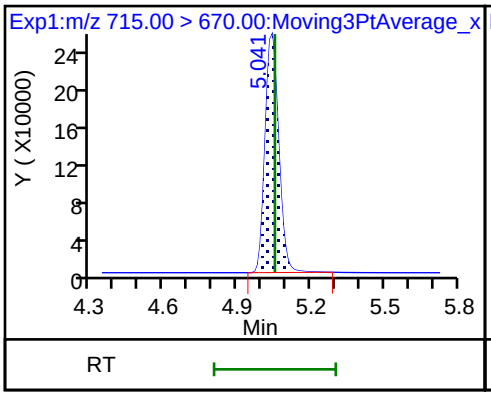
41 Perfluorotridecanoic acid (M)



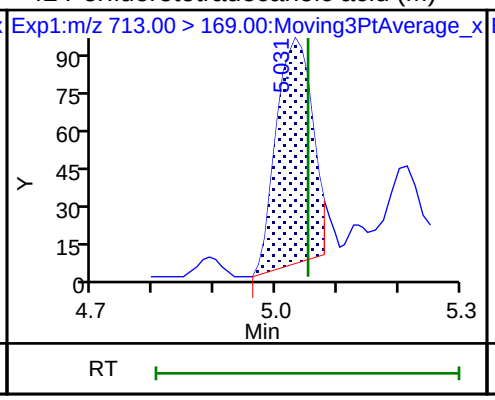
41 Perfluorotridecanoic acid (M)



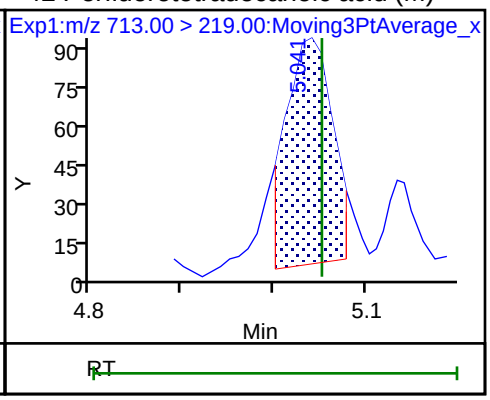
D 43 13C2 PFTeDA



42 Perfluorotetradecanoic acid (M)



42 Perfluorotetradecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins Burlington

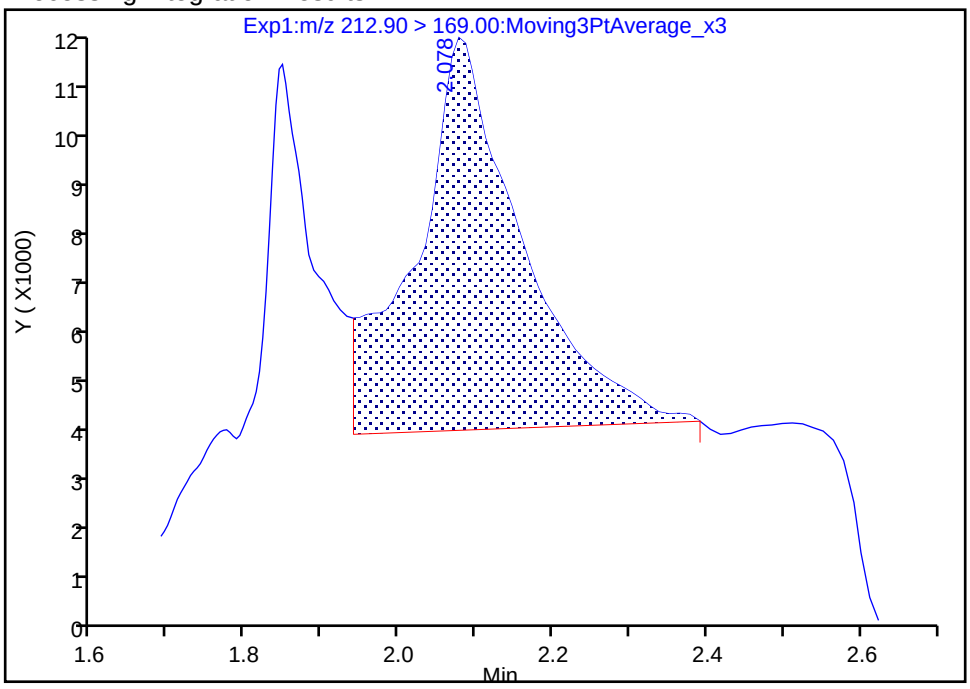
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B09.d				
Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	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

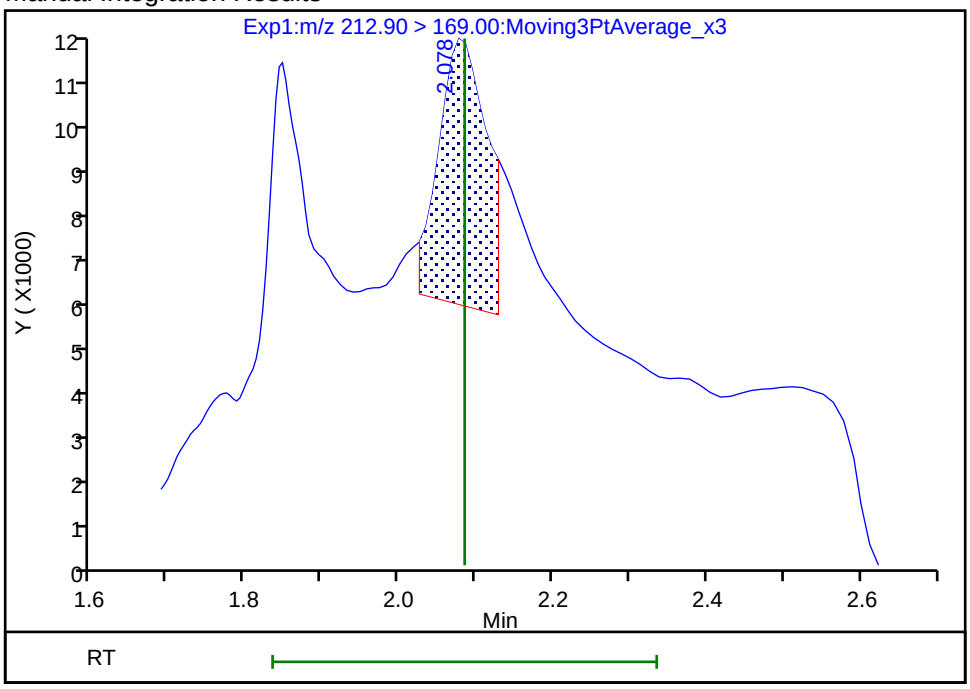
Processing Integration Results

RT: 2.08
Area: 73150
Amount: 0.050370
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 24371
Amount: 0.016781
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:20:06

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

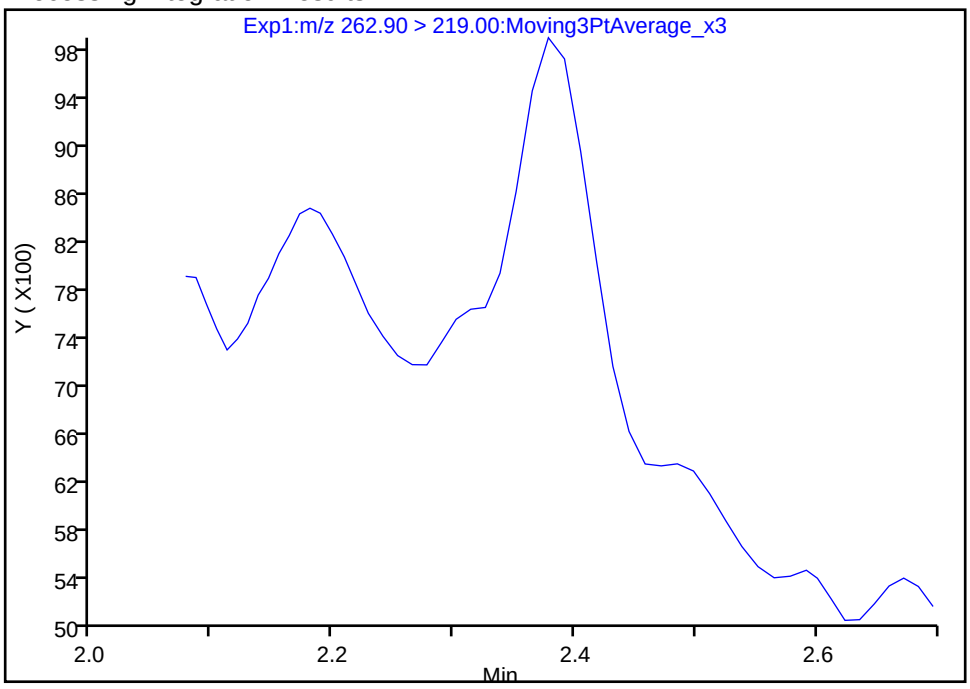
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Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
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

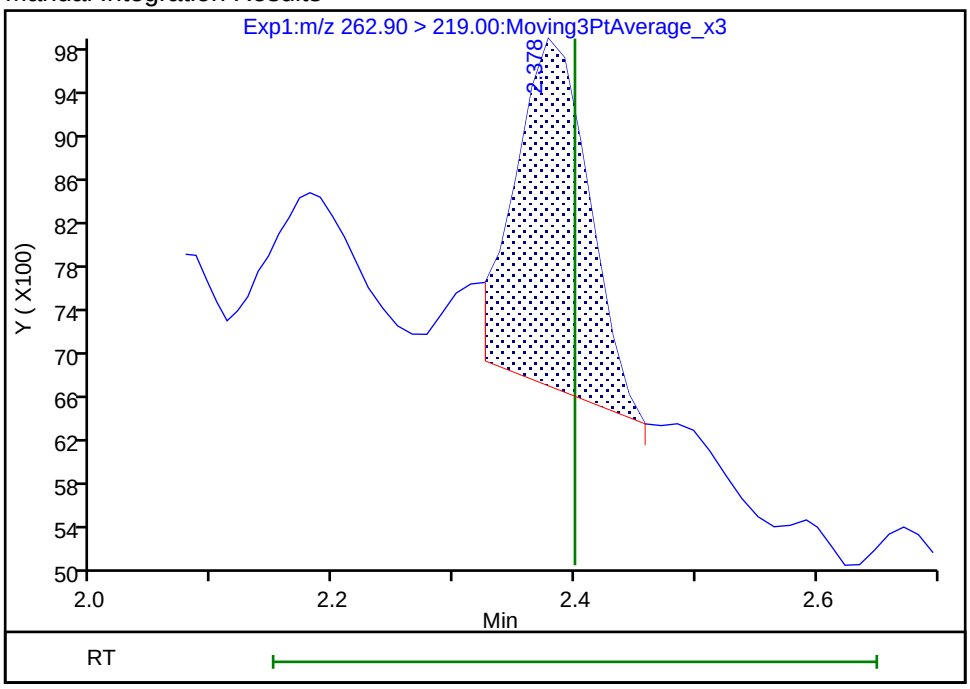
Not Detected
Expected RT: 2.40

Processing Integration Results



Manual Integration Results

RT: 2.38
Area: 13590
Amount: 0.011862
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:20:16
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

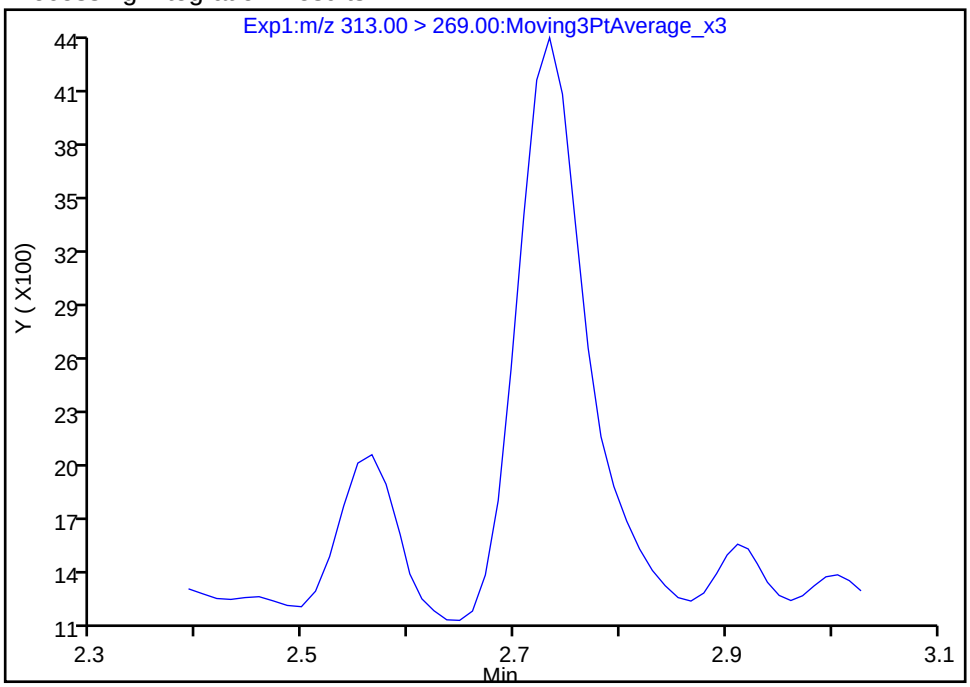
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B09.d				
Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	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

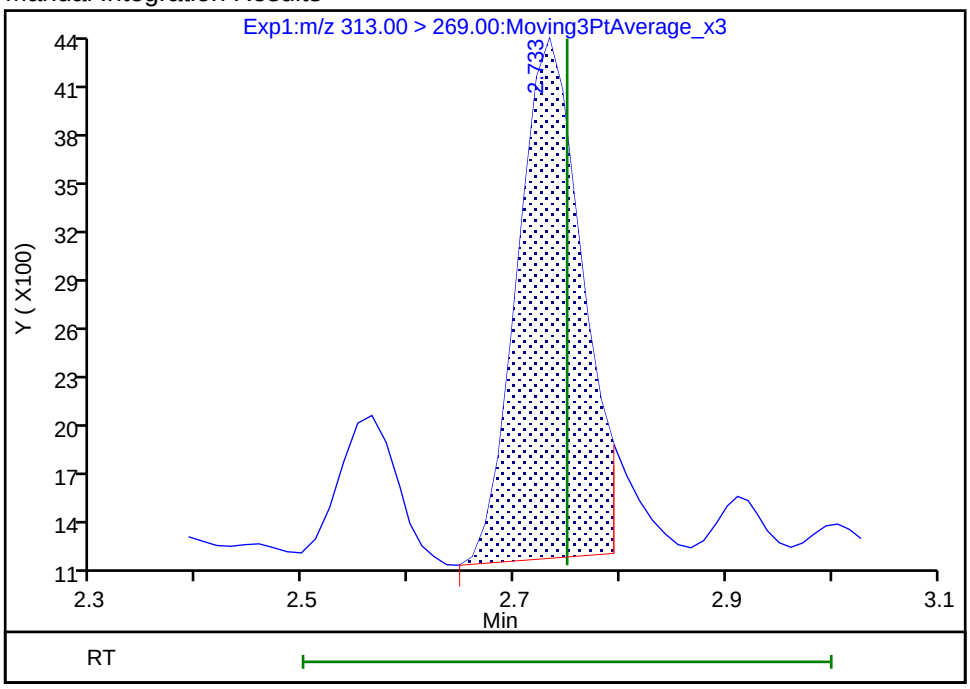
Not Detected
Expected RT: 2.75

Processing Integration Results



Manual Integration Results

RT: 2.73
Area: 13305
Amount: 0.011805
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:20:38
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

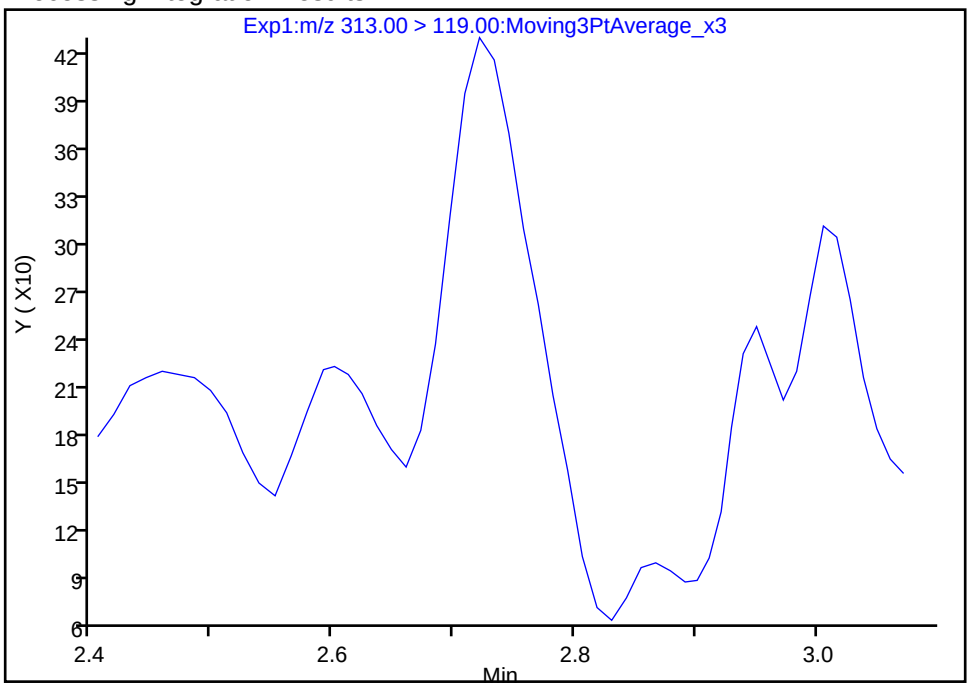
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B09.d				
Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	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

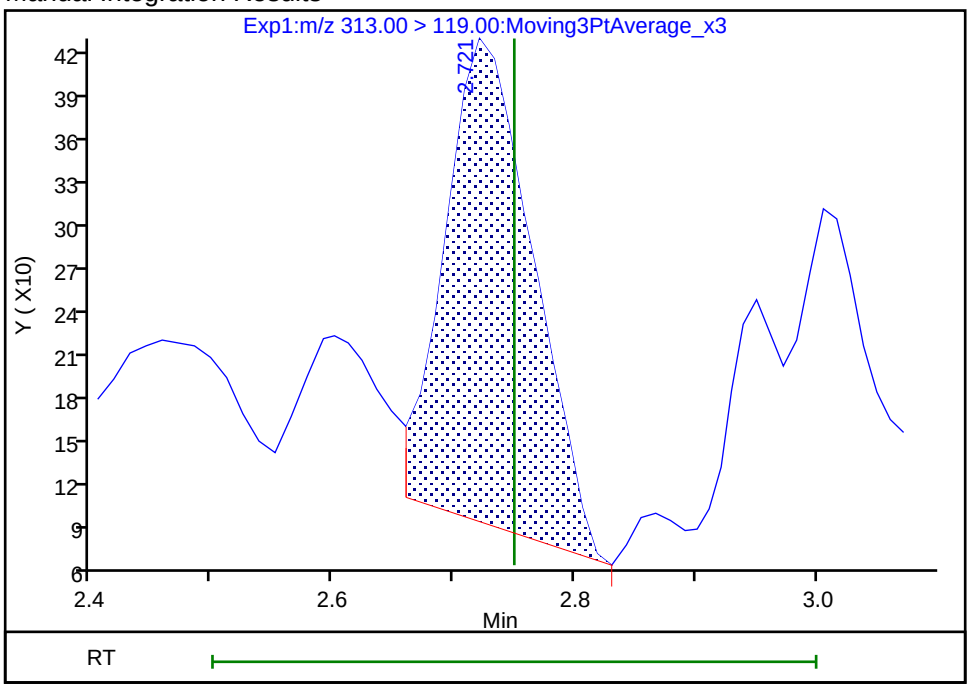
Not Detected
Expected RT: 2.75

Processing Integration Results



Manual Integration Results

RT: 2.72
Area: 1709
Amount: 0.011805
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:20:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

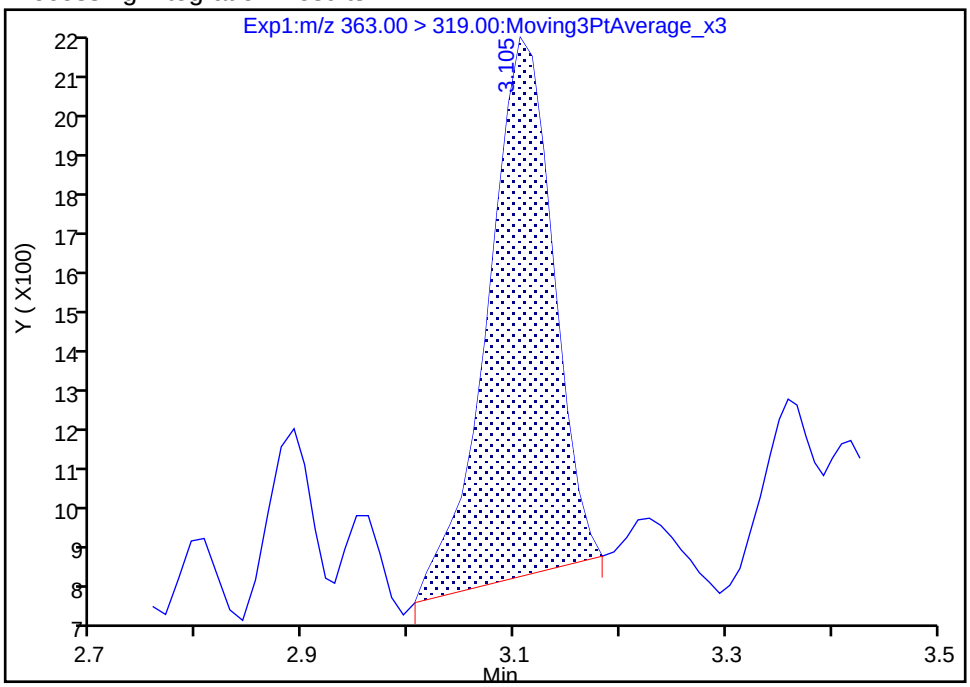
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B09.d				
Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	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

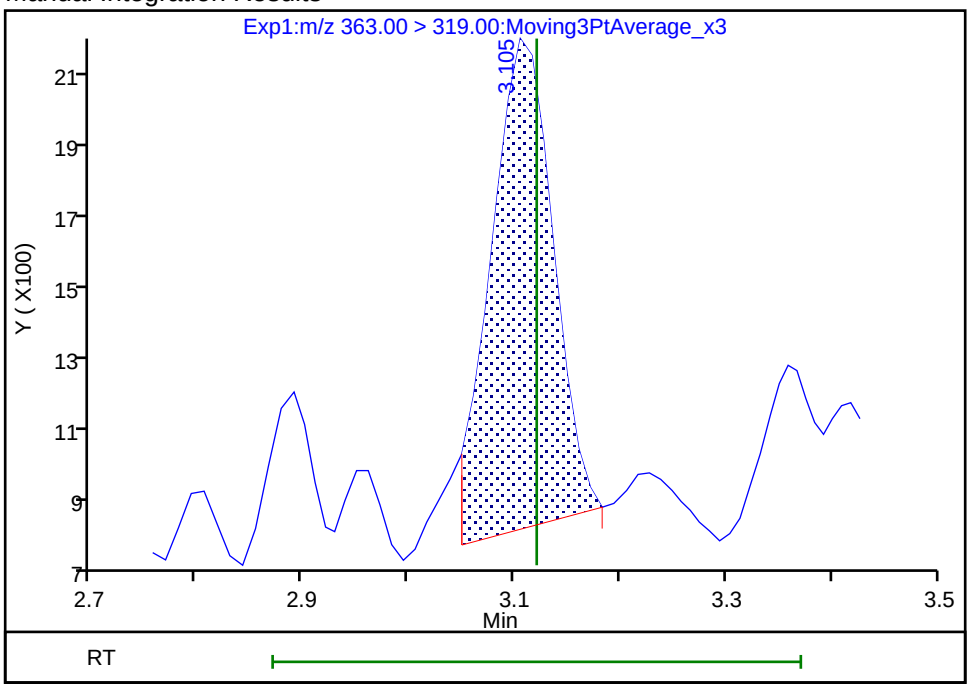
Processing Integration Results

RT: 3.11
Area: 5491
Amount: 0.004729
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 5257
Amount: 0.004528
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:21:27

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

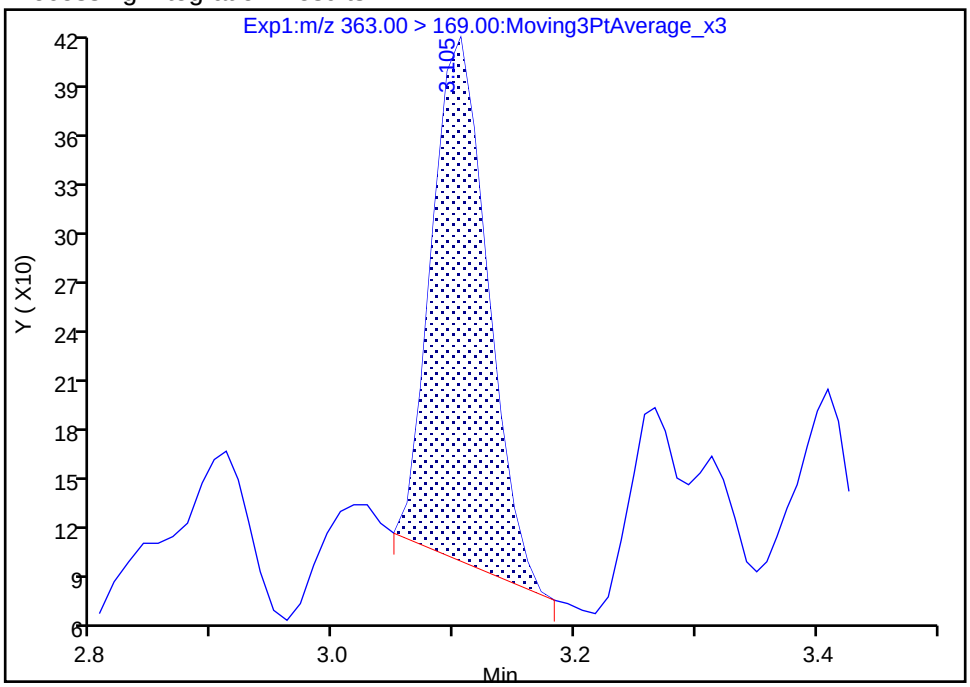
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B09.d				
Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	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

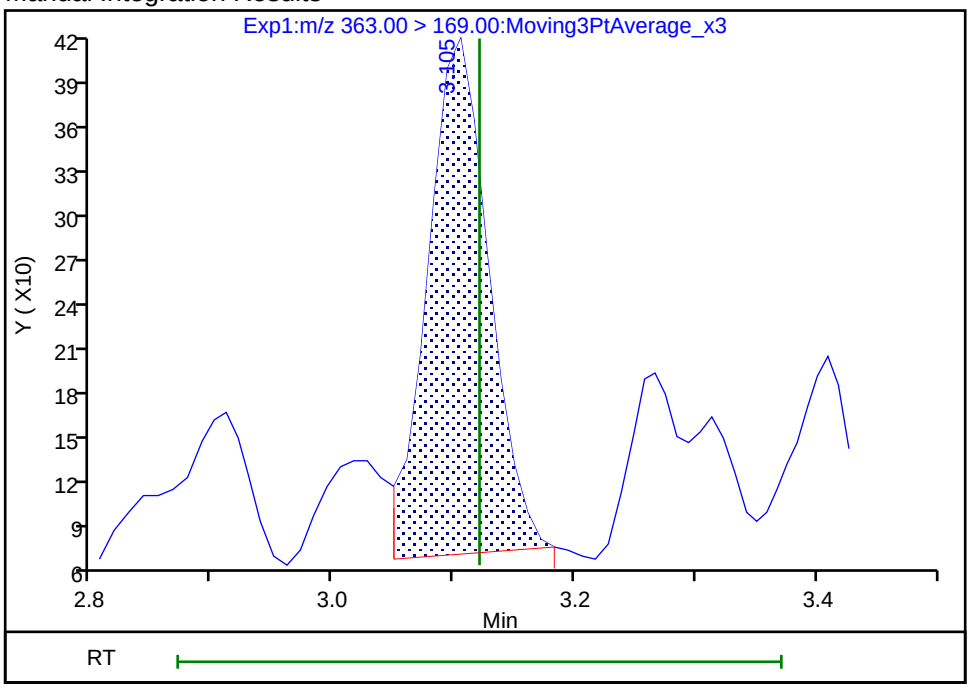
Processing Integration Results

RT: 3.11
Area: 1006
Amount: 0.004729
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 1197
Amount: 0.004528
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:21:29
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

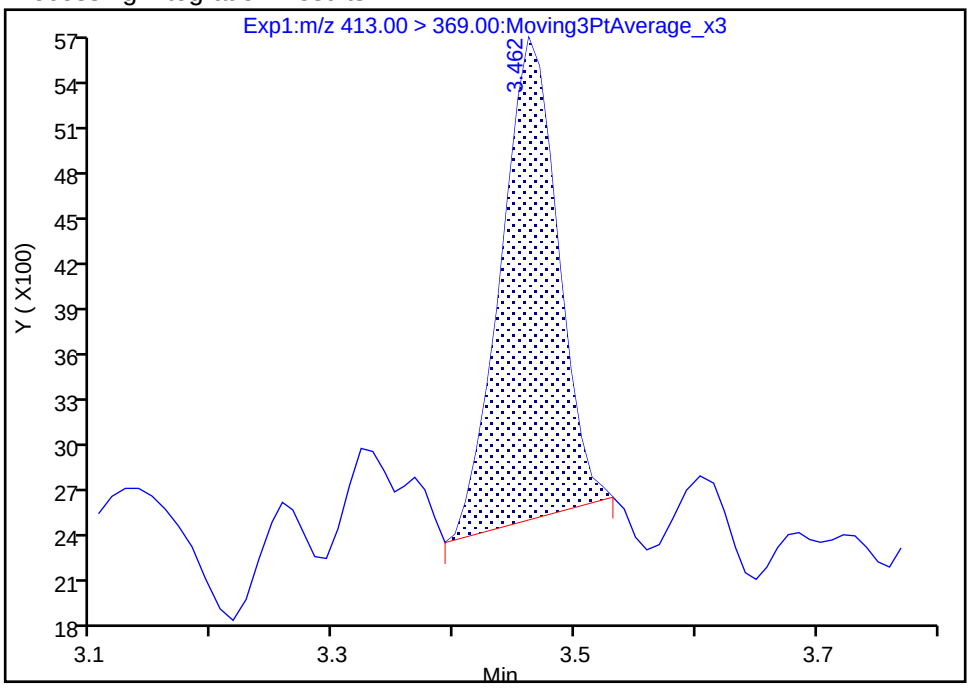
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Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
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

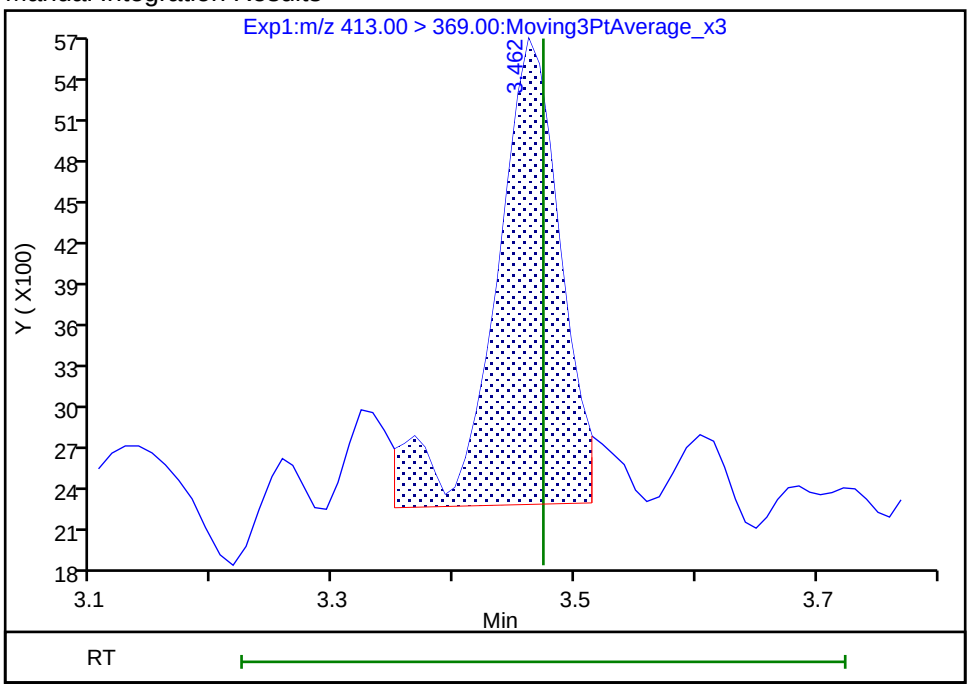
Processing Integration Results

RT: 3.46
Area: 10288
Amount: 0.007742
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 12609
Amount: 0.009489
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:22:30

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

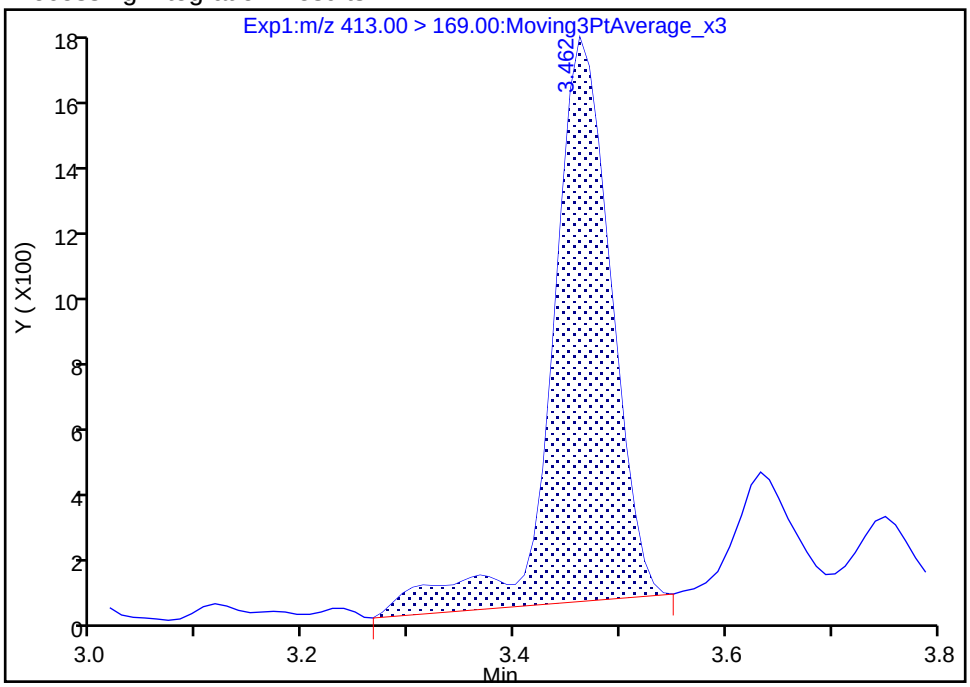
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B09.d				
Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	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

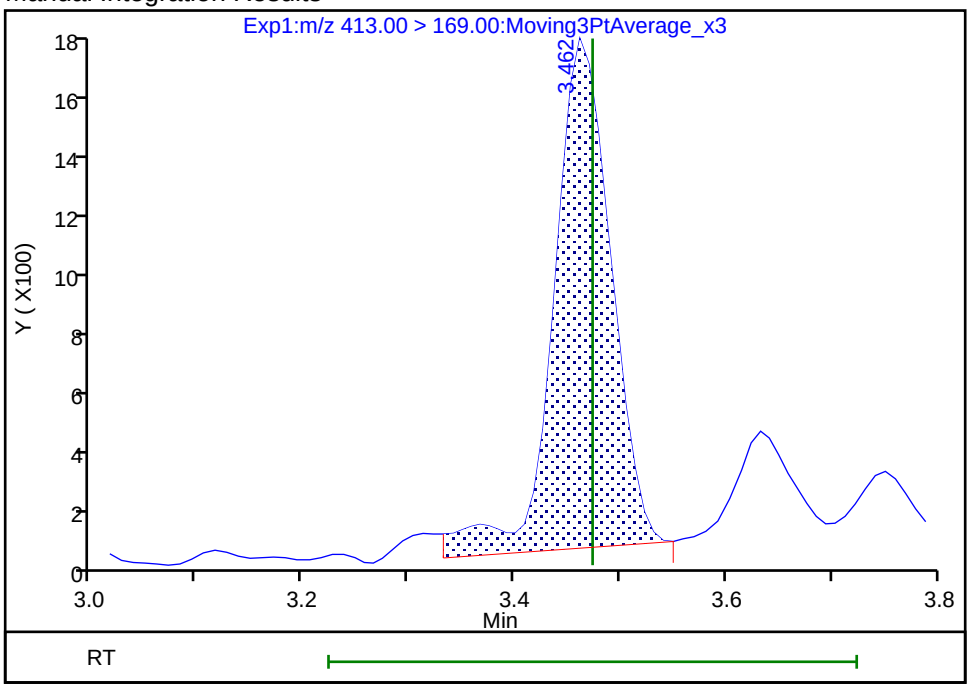
Processing Integration Results

RT: 3.46
Area: 6675
Amount: 0.007742
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 6436
Amount: 0.009489
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:22:33
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

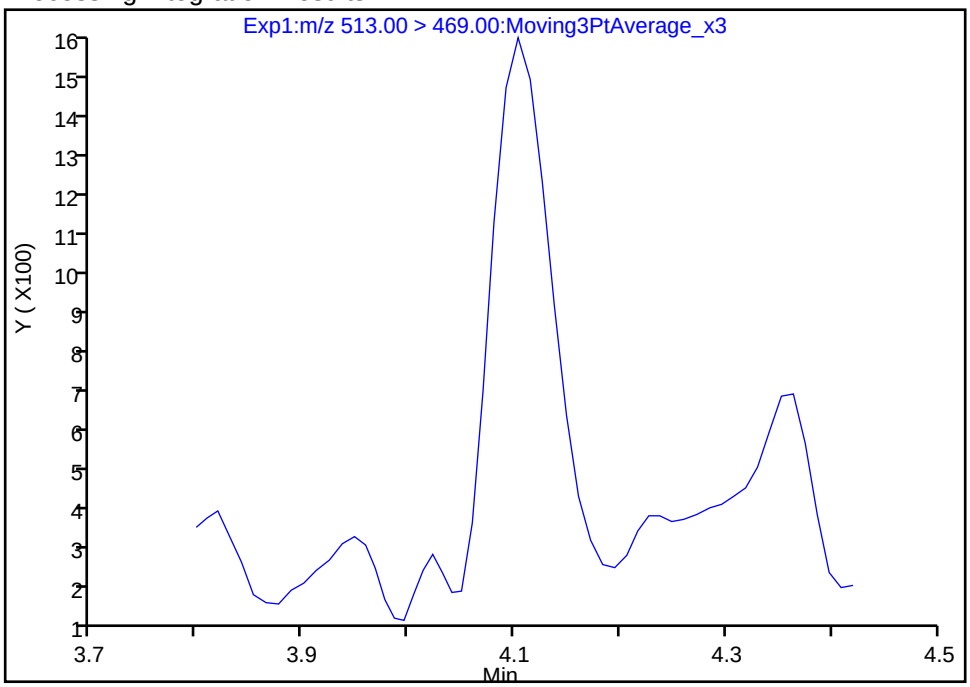
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B09.d				
Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

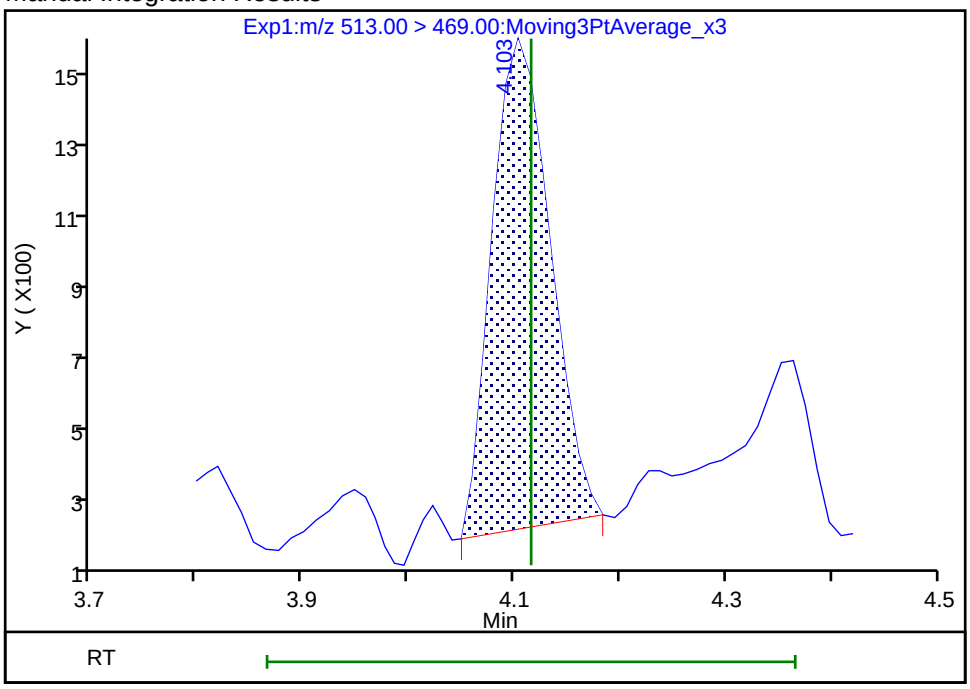
Not Detected
Expected RT: 4.12

Processing Integration Results



Manual Integration Results

RT: 4.10
Area: 4698
Amount: 0.004135
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:23:05
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

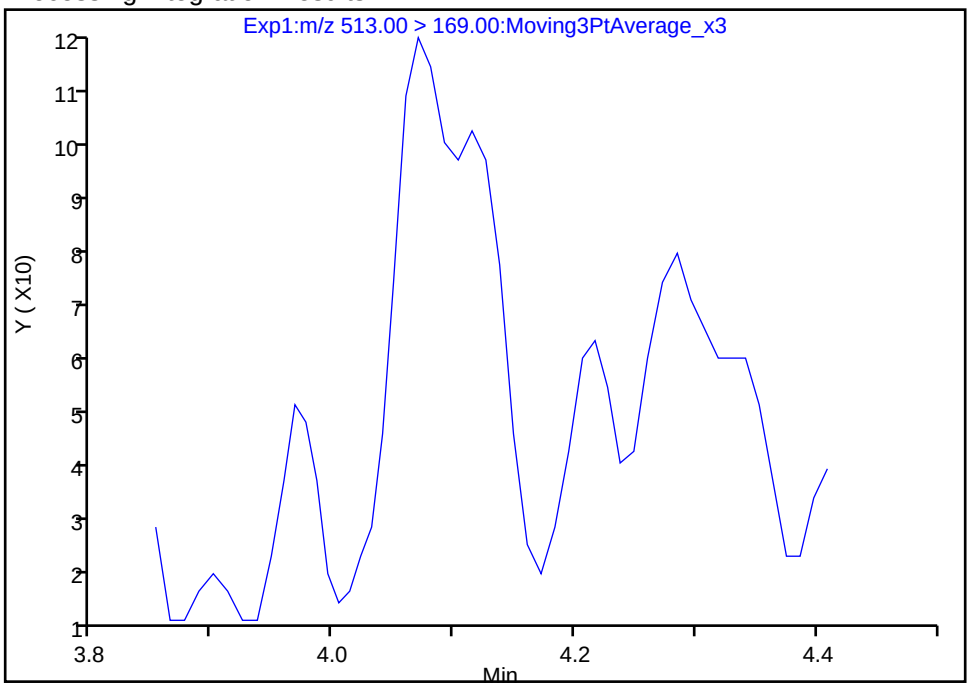
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B09.d				
Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

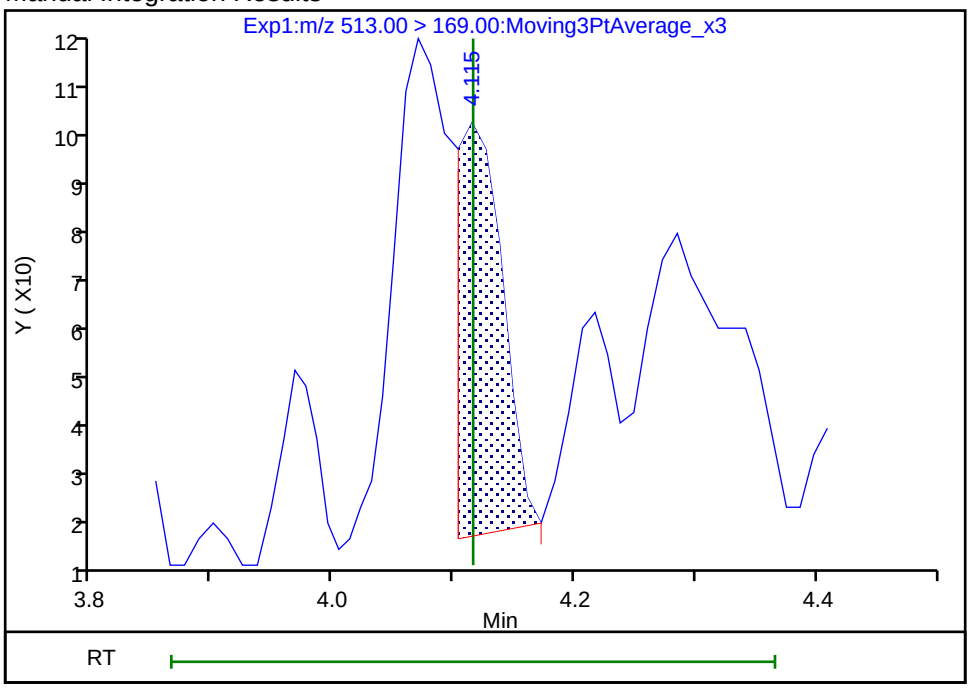
Not Detected
Expected RT: 4.12

Processing Integration Results



Manual Integration Results

RT: 4.11
Area: 187
Amount: 0.004135
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:23:10
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

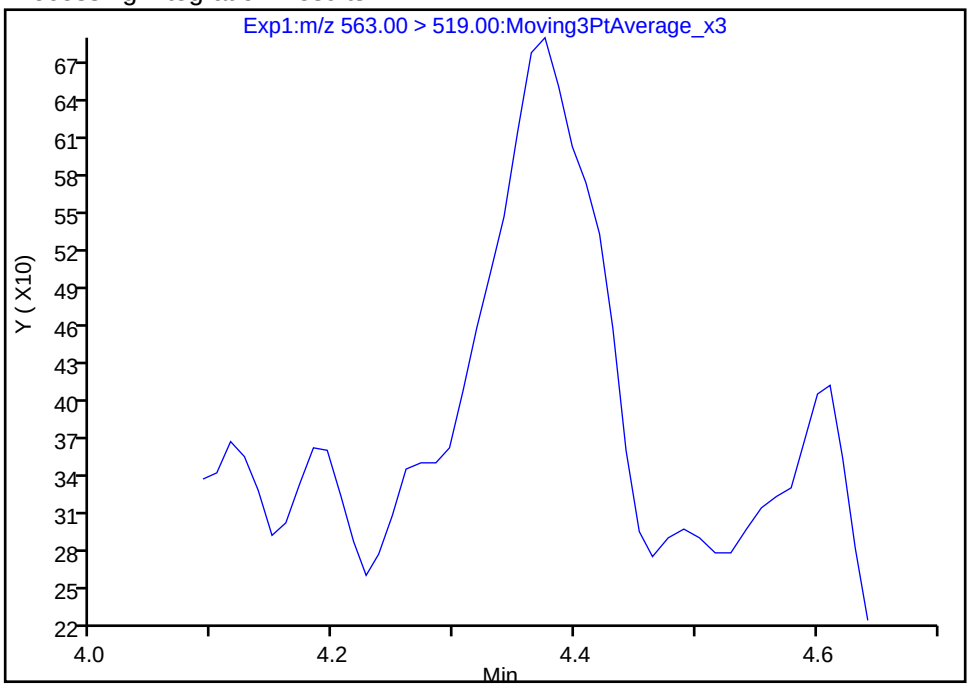
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B09.d				
Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	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

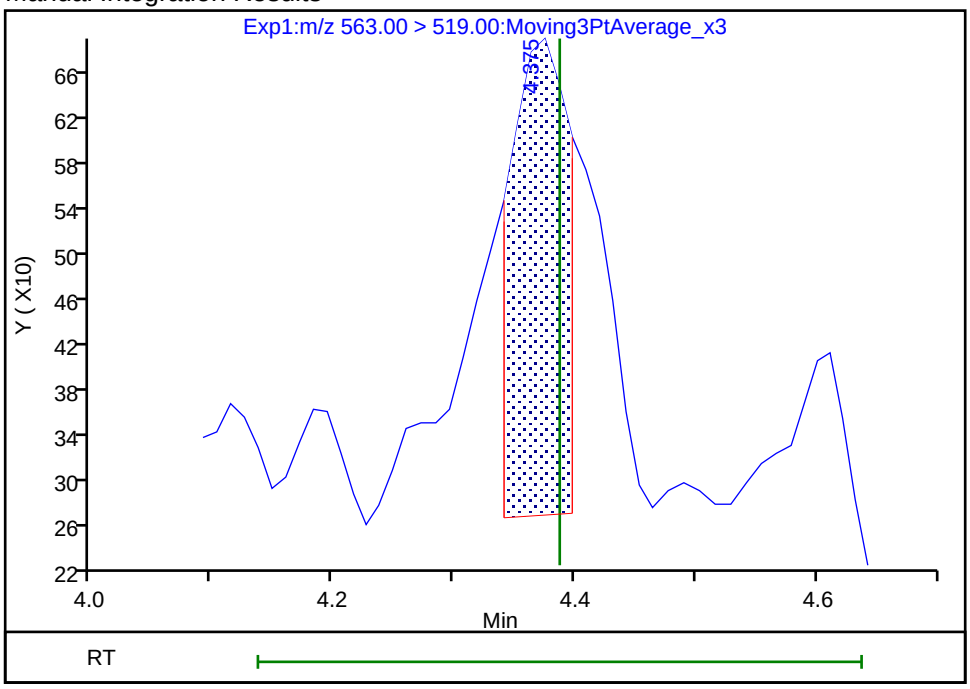
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.38
Area: 1267
Amount: 0.001372
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:24:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

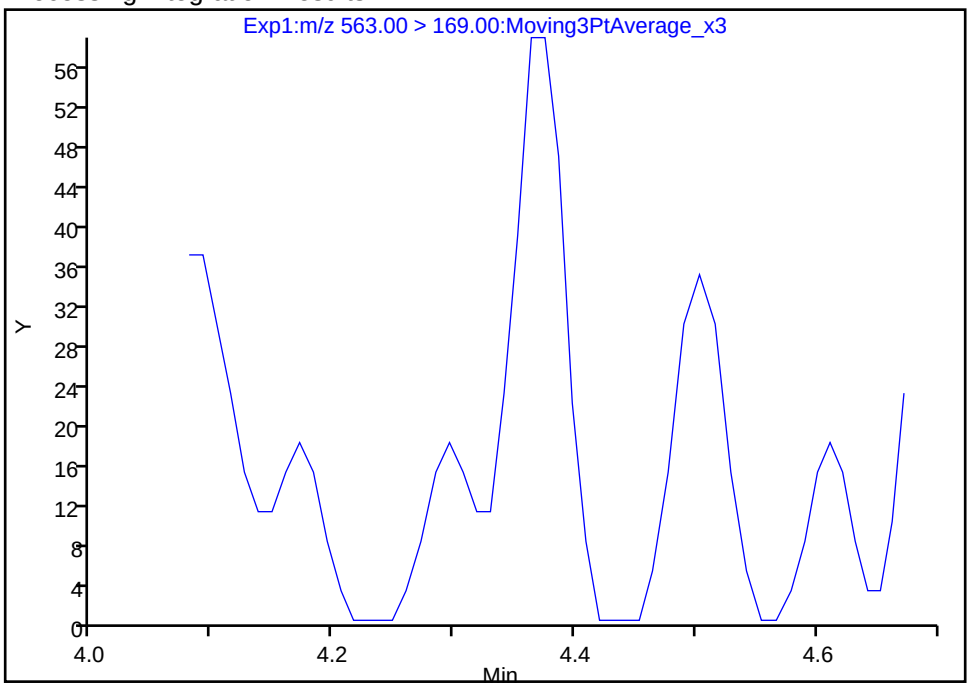
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B09.d				
Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	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

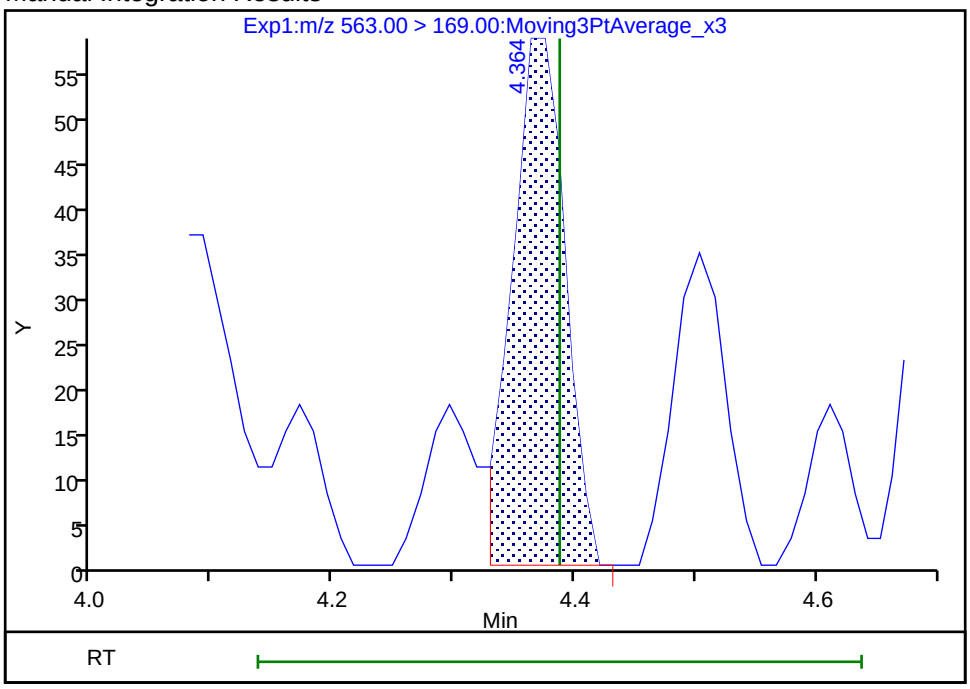
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.36
Area: 177
Amount: 0.001372
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:24:02
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

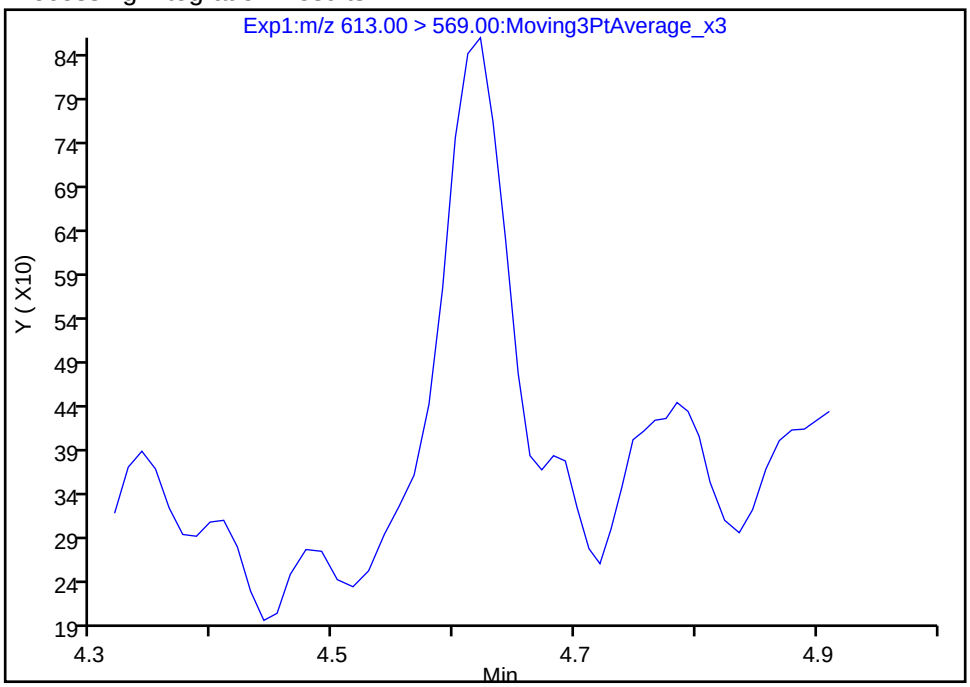
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B09.d				
Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	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

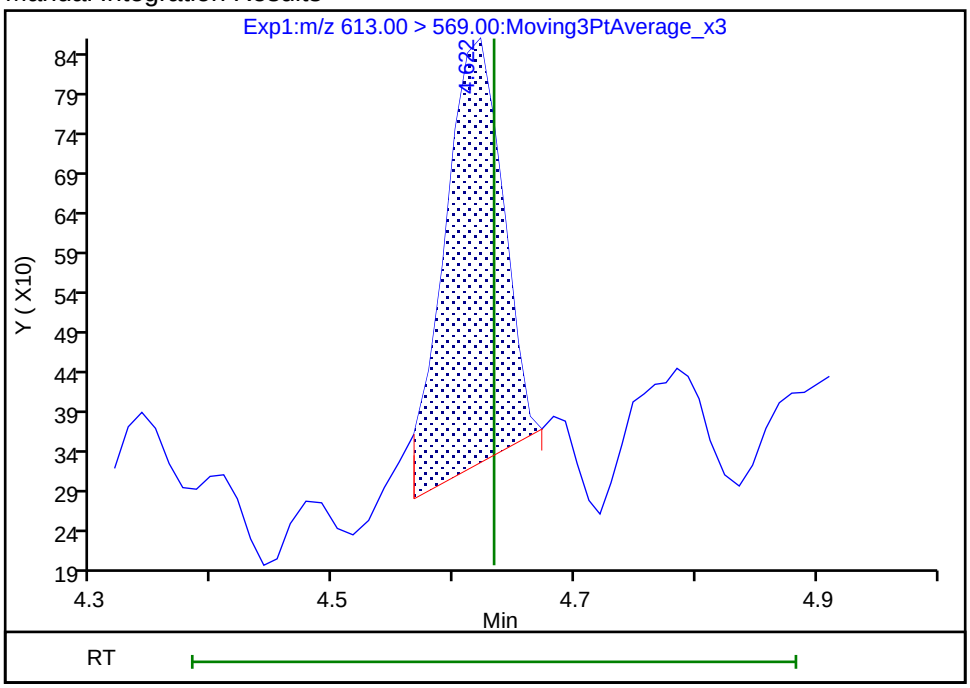
Not Detected
Expected RT: 4.63

Processing Integration Results



Manual Integration Results

RT: 4.62
Area: 1777
Amount: 0.001938
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:24:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

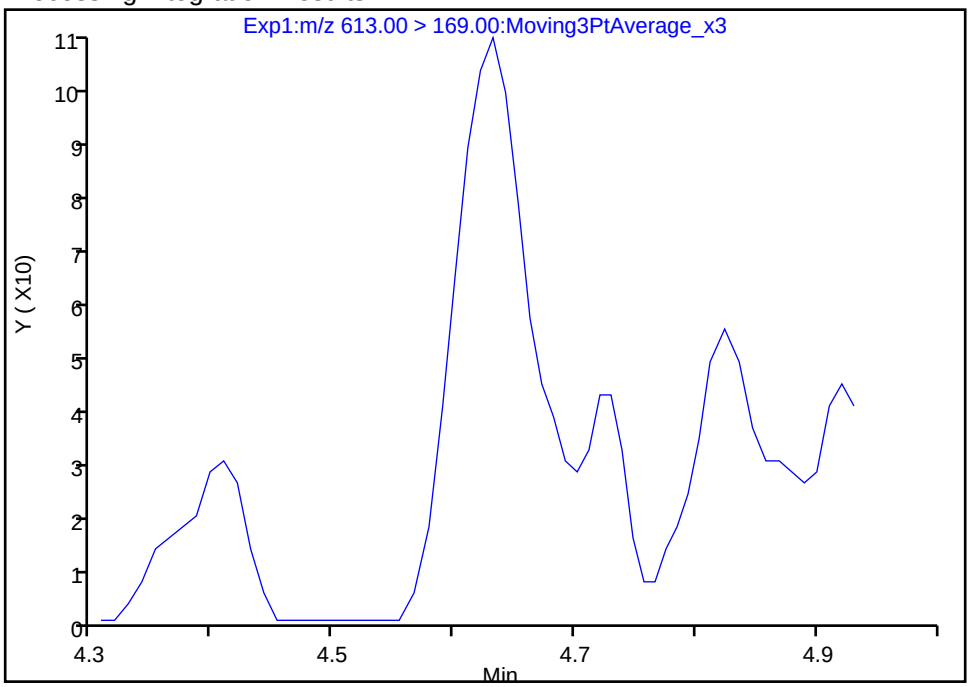
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B09.d				
Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	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

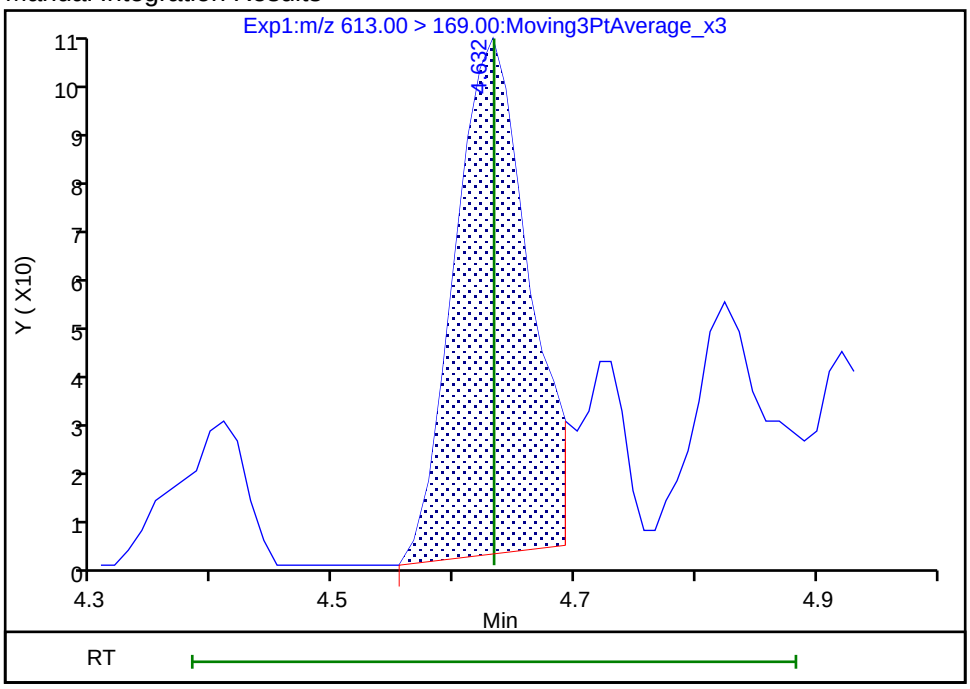
Not Detected
Expected RT: 4.63

Processing Integration Results



Manual Integration Results

RT: 4.63
Area: 440
Amount: 0.001938
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:24:25
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

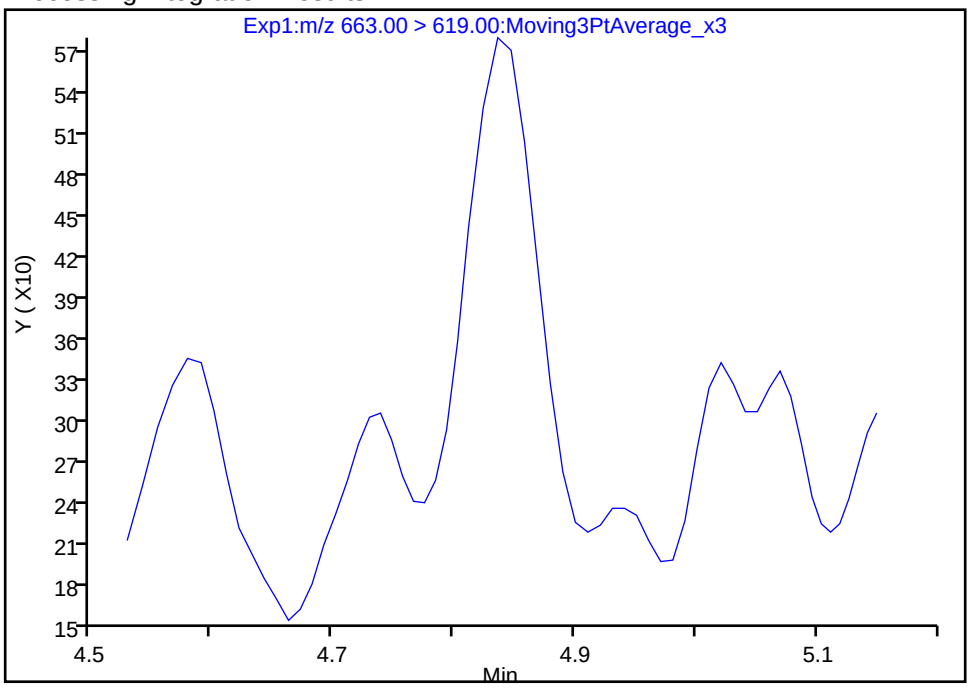
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Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

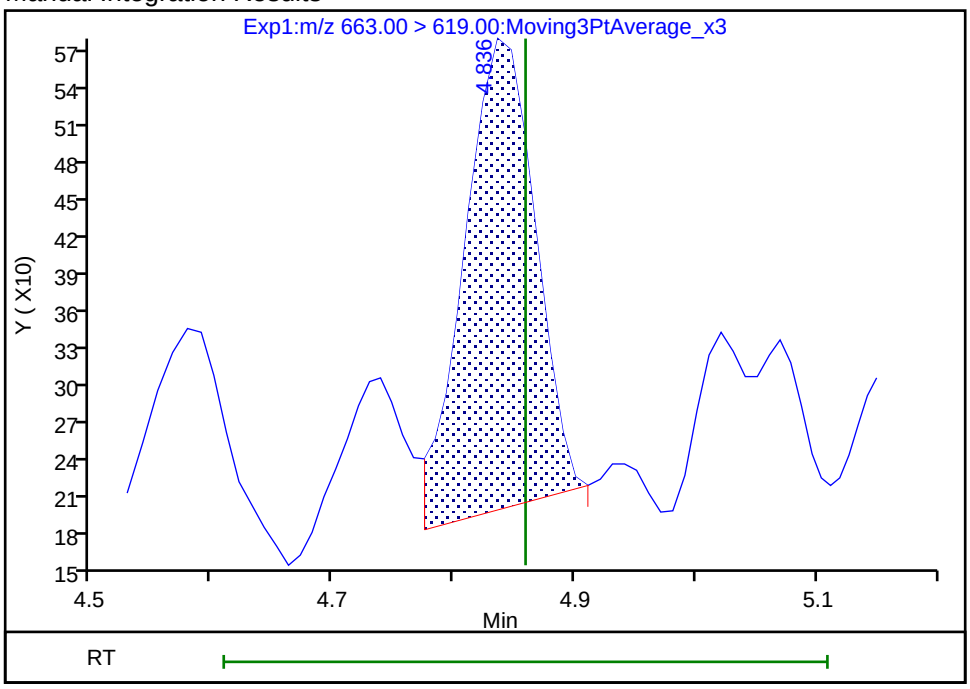
Not Detected
Expected RT: 4.86

Processing Integration Results



Manual Integration Results

RT: 4.84
Area: 1517
Amount: 0.001908
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:24:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

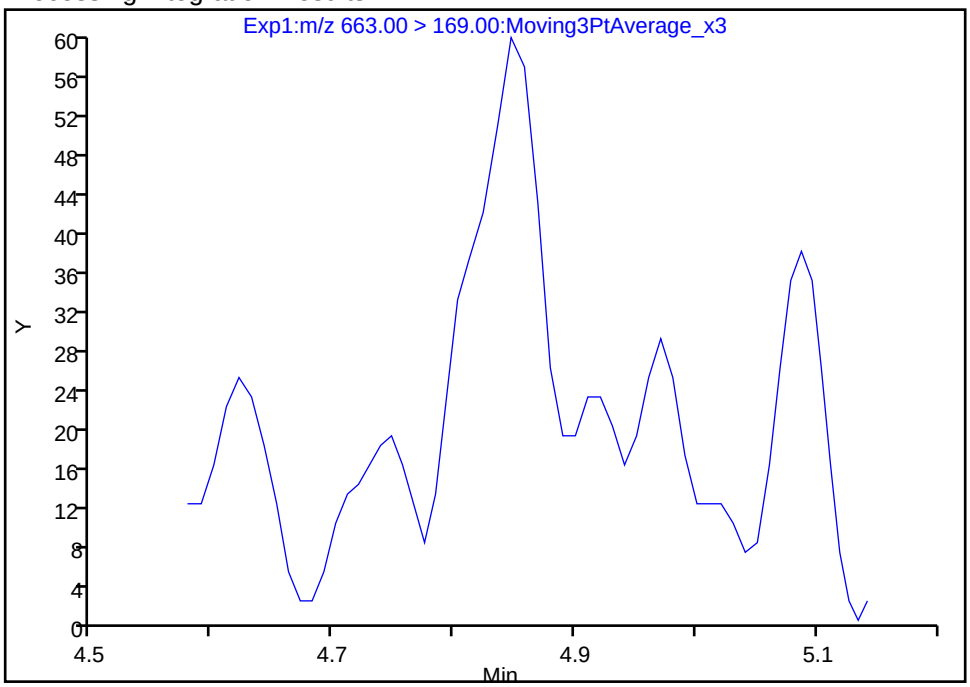
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B09.d				
Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

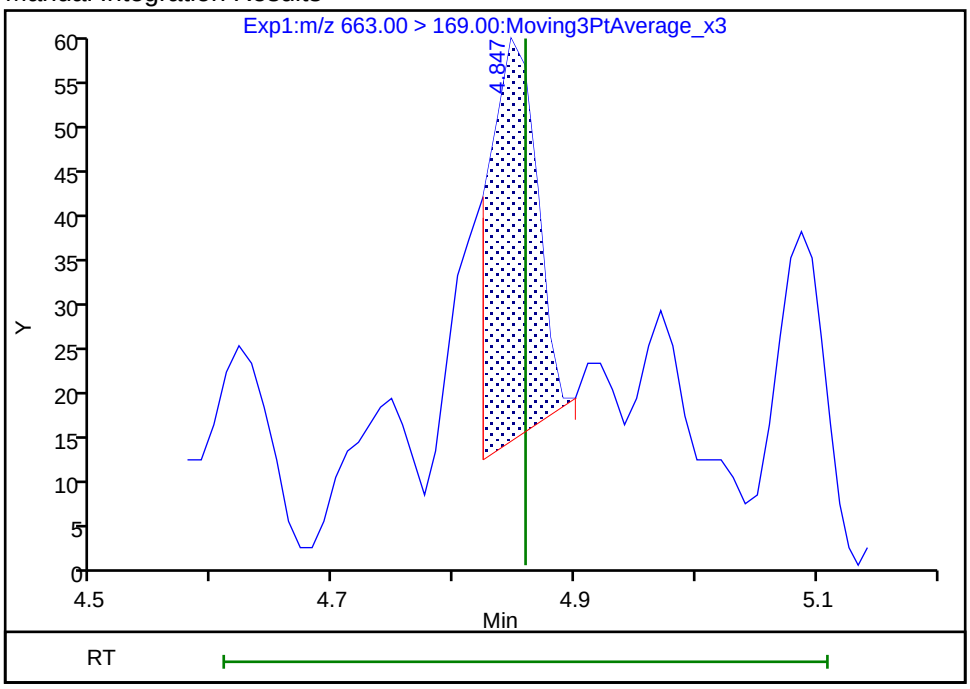
Not Detected
Expected RT: 4.86

Processing Integration Results



Manual Integration Results

RT: 4.85
Area: 118
Amount: 0.001908
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:24:38
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

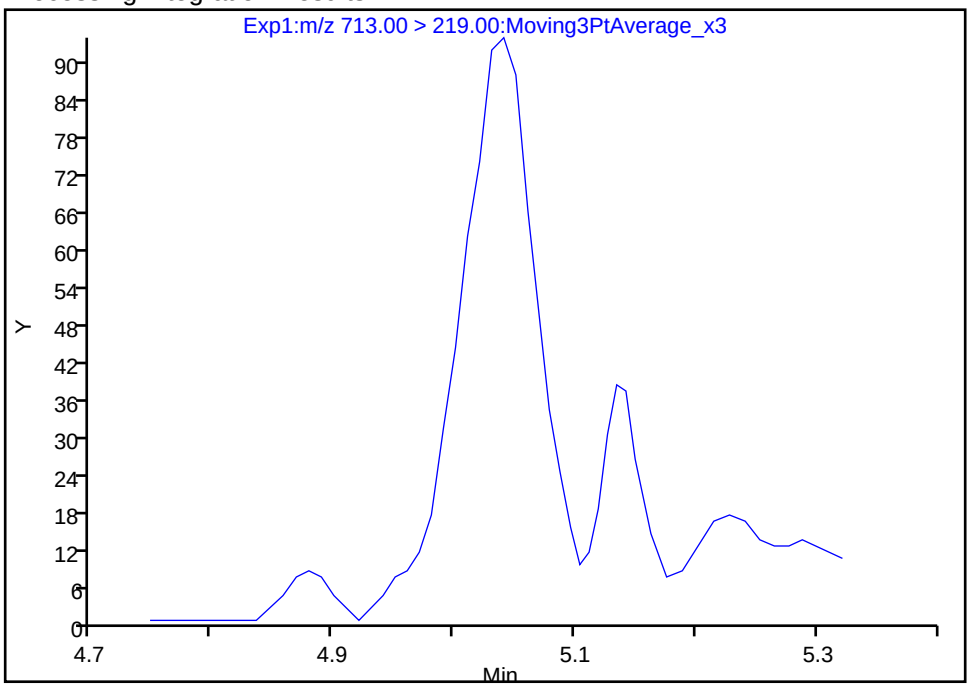
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Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

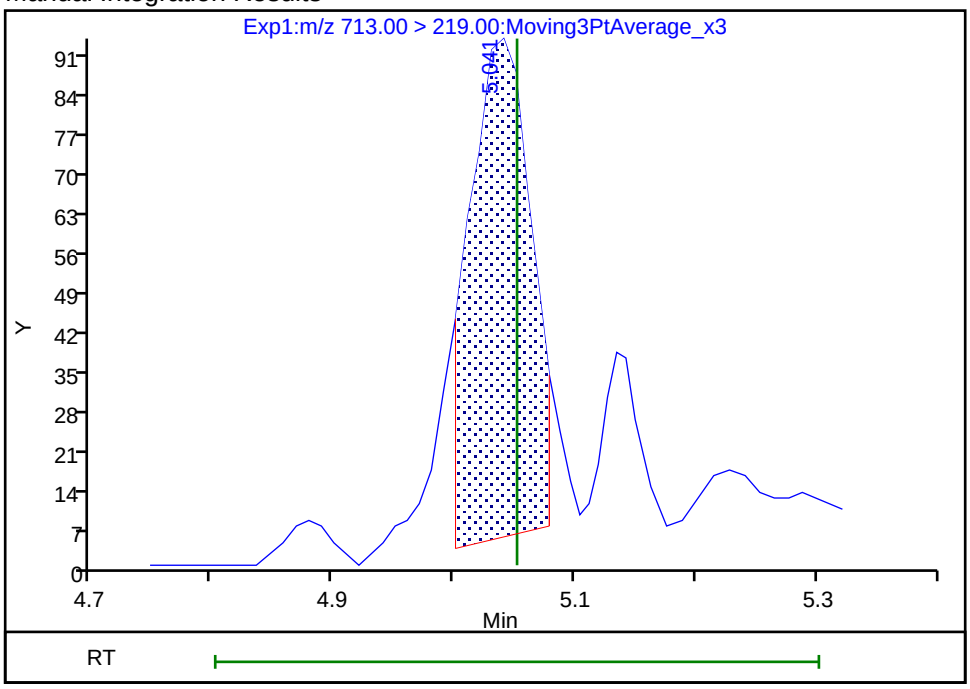
Not Detected
Expected RT: 5.05

Processing Integration Results



Manual Integration Results

RT: 5.04
Area: 308
Amount: 0.002999
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:25:05
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

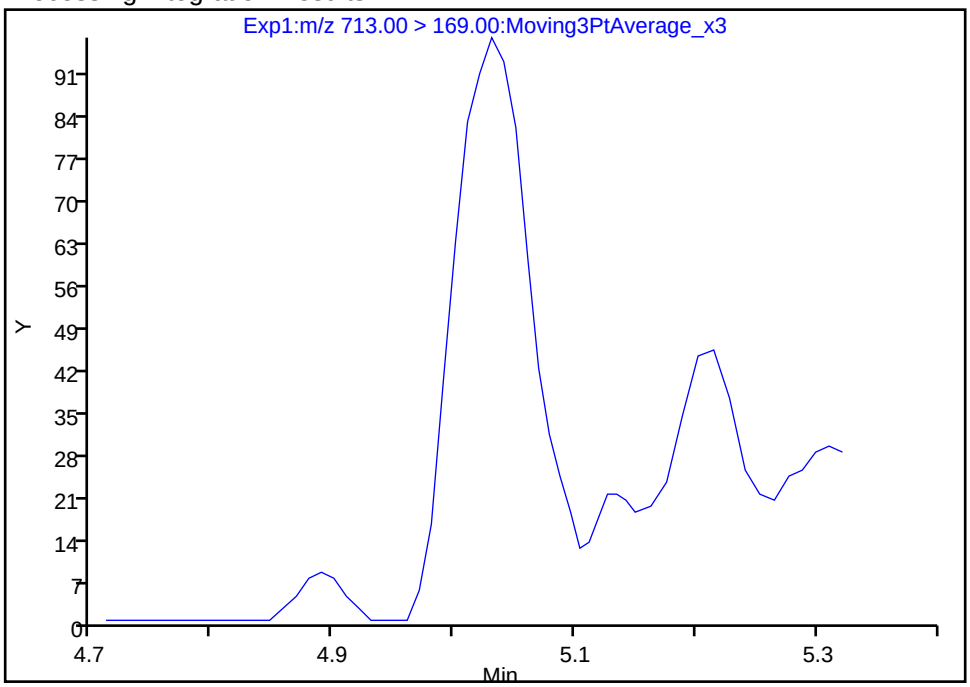
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B09.d				
Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

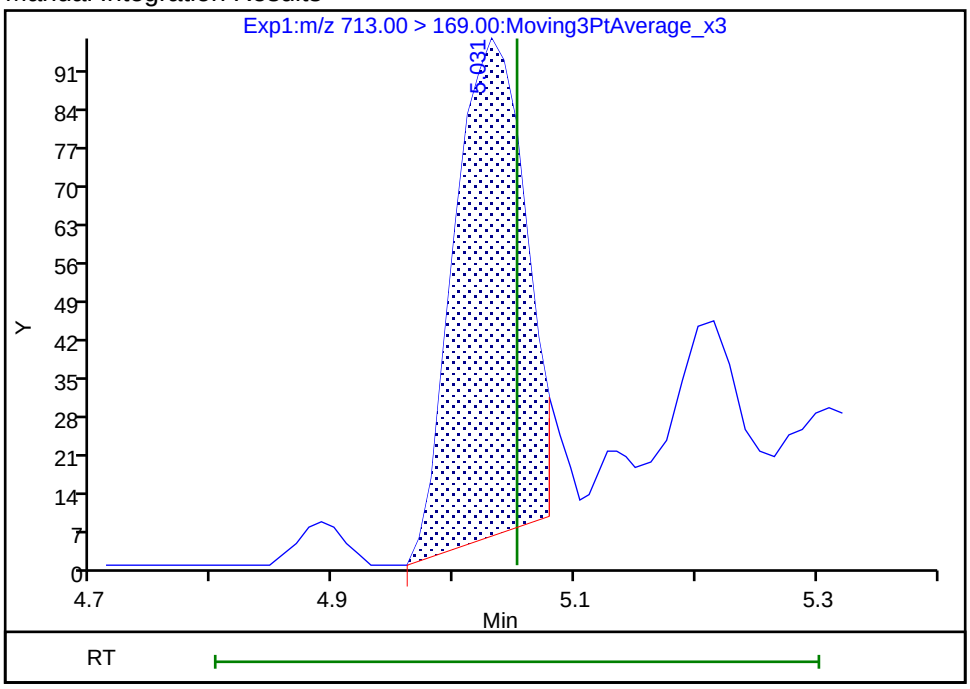
Not Detected
Expected RT: 5.05

Processing Integration Results



Manual Integration Results

RT: 5.03
Area: 374
Amount: 0.002999
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:25:09
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

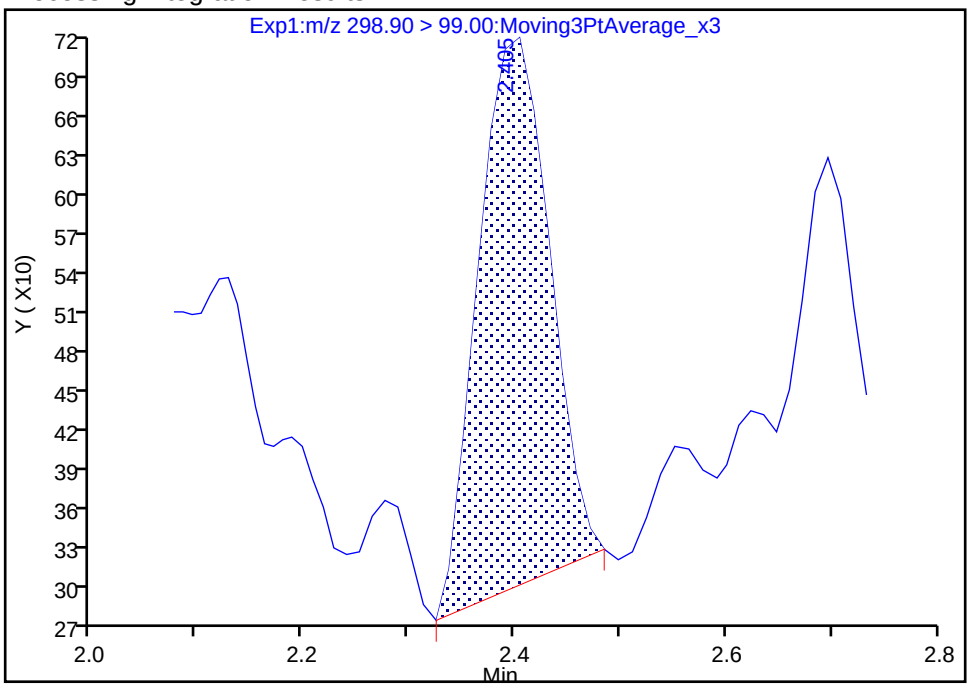
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B09.d				
Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	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

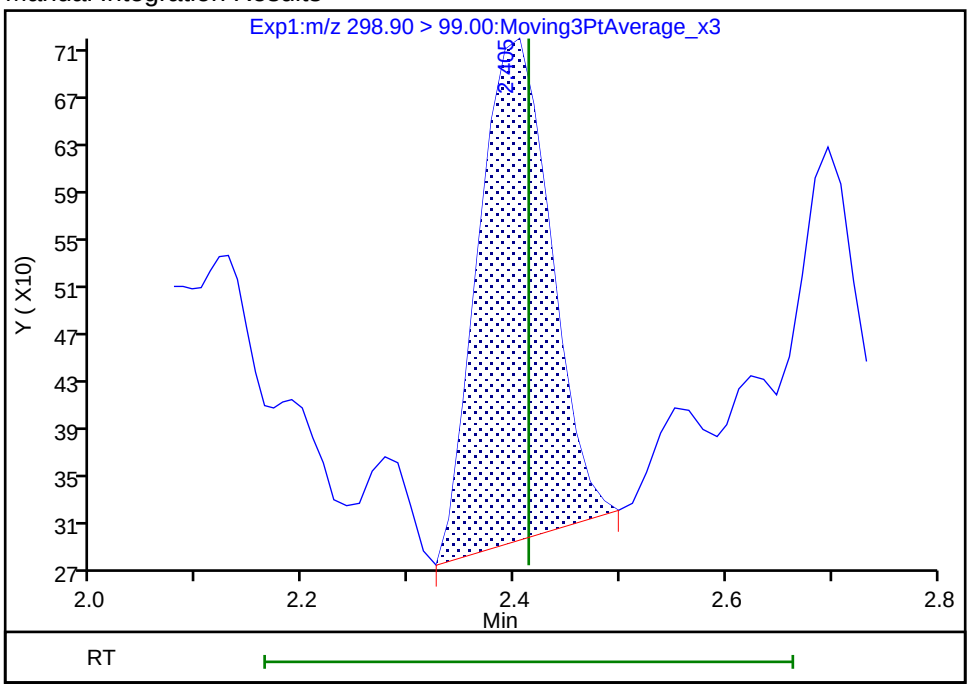
Processing Integration Results

RT: 2.40
Area: 1956
Amount: 0.002396
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 2016
Amount: 0.002790
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:20:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

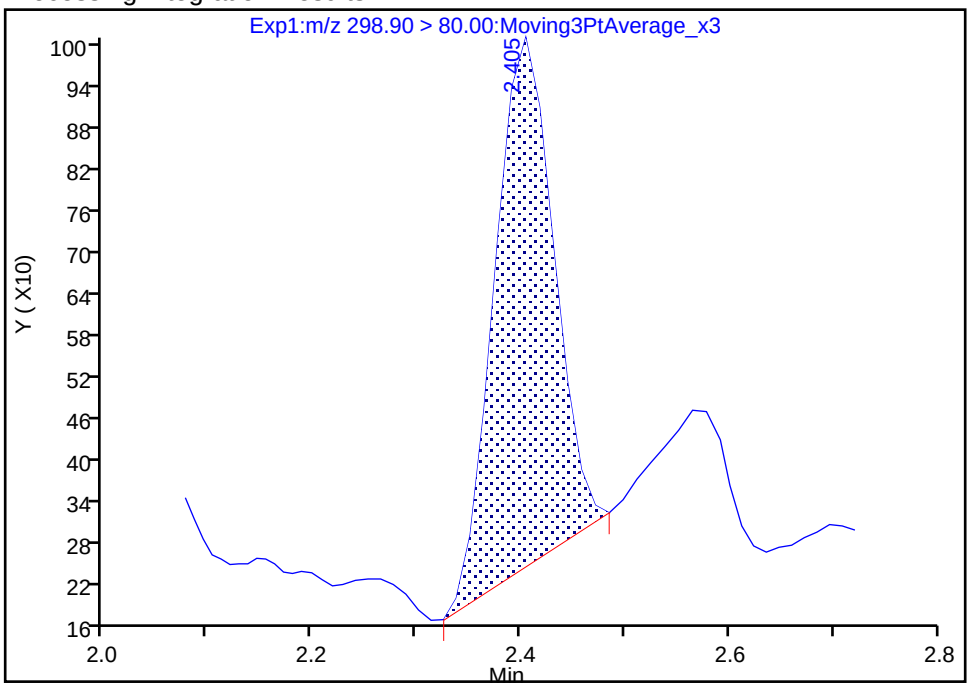
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B09.d				
Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	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

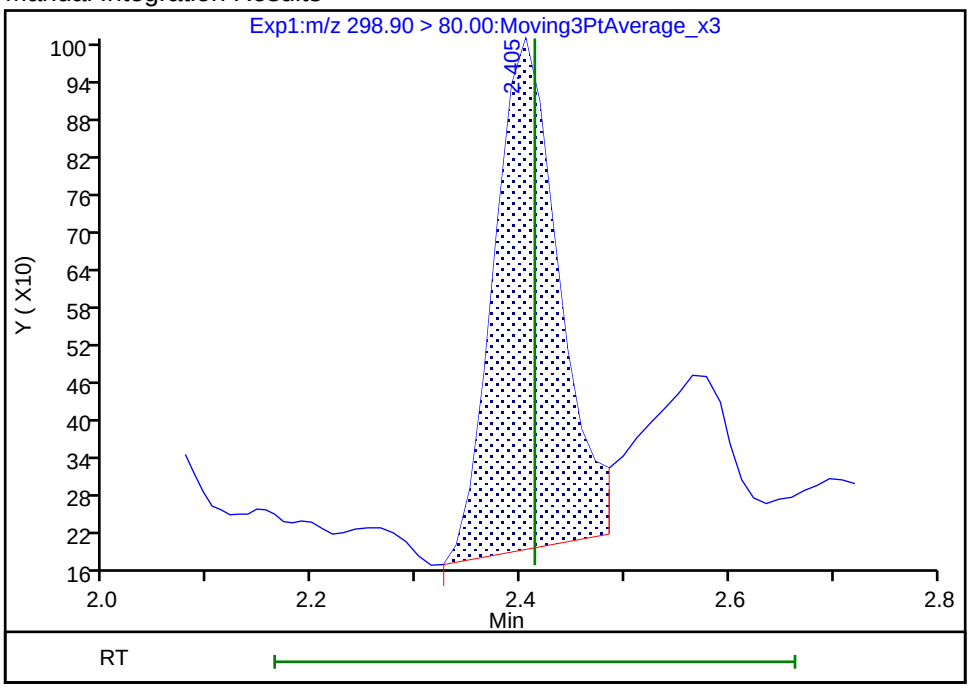
Processing Integration Results

RT: 2.40
Area: 3049
Amount: 0.002396
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 3550
Amount: 0.002790
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:20:28
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

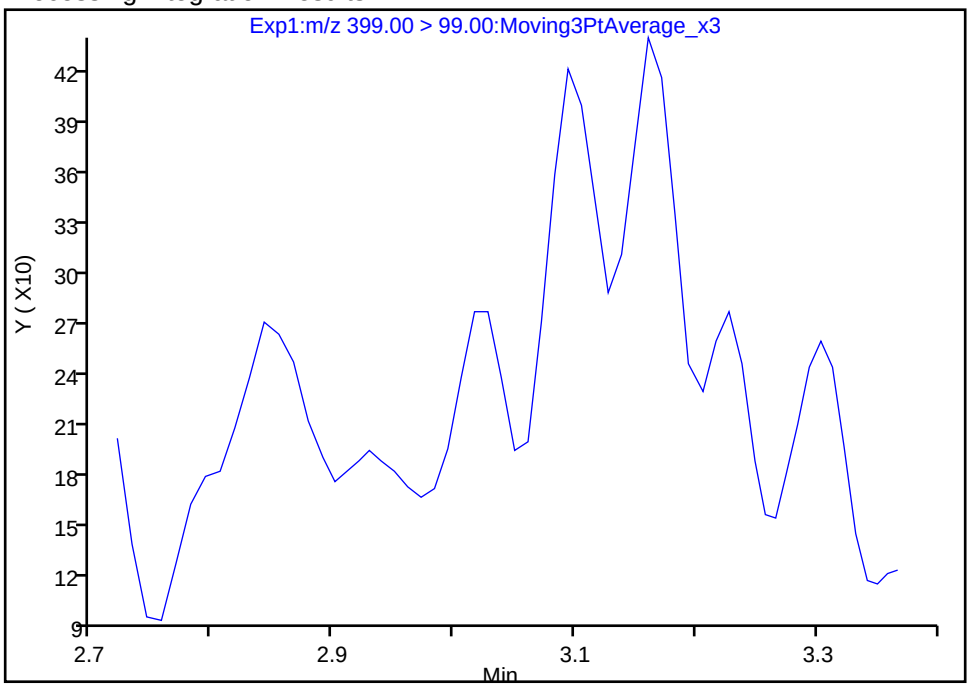
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B09.d				
Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	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

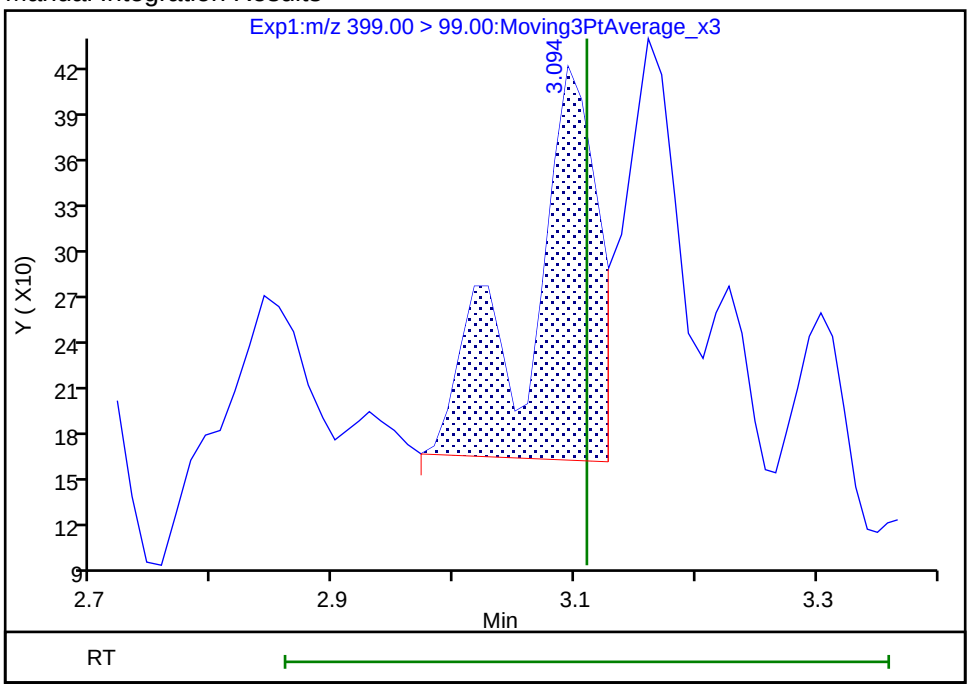
Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results

RT: 3.09
Area: 976
Amount: 0.004813
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:21:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

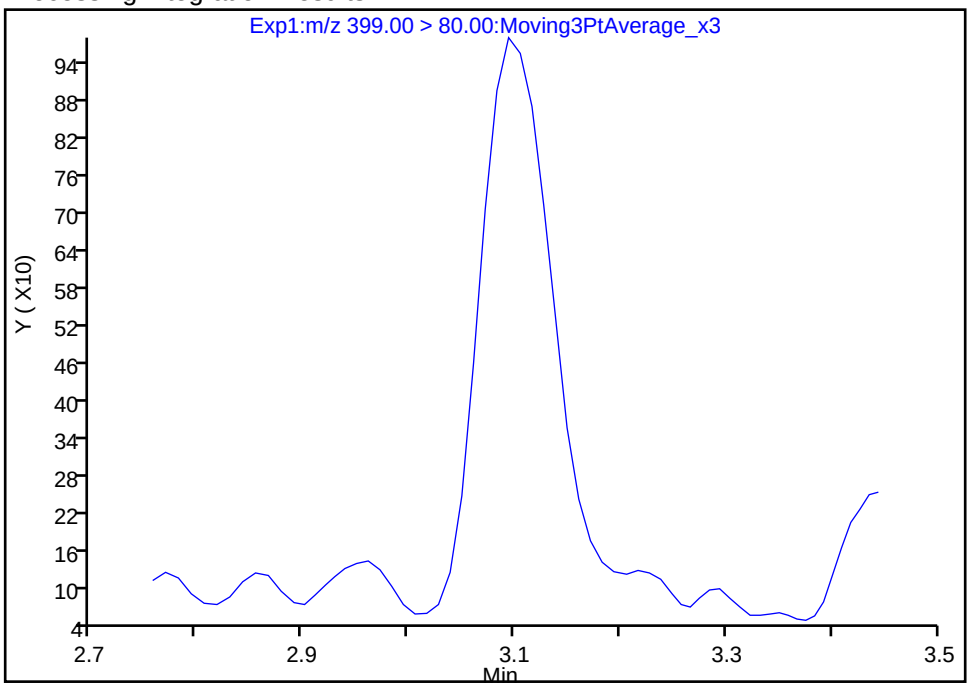
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B09.d				
Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

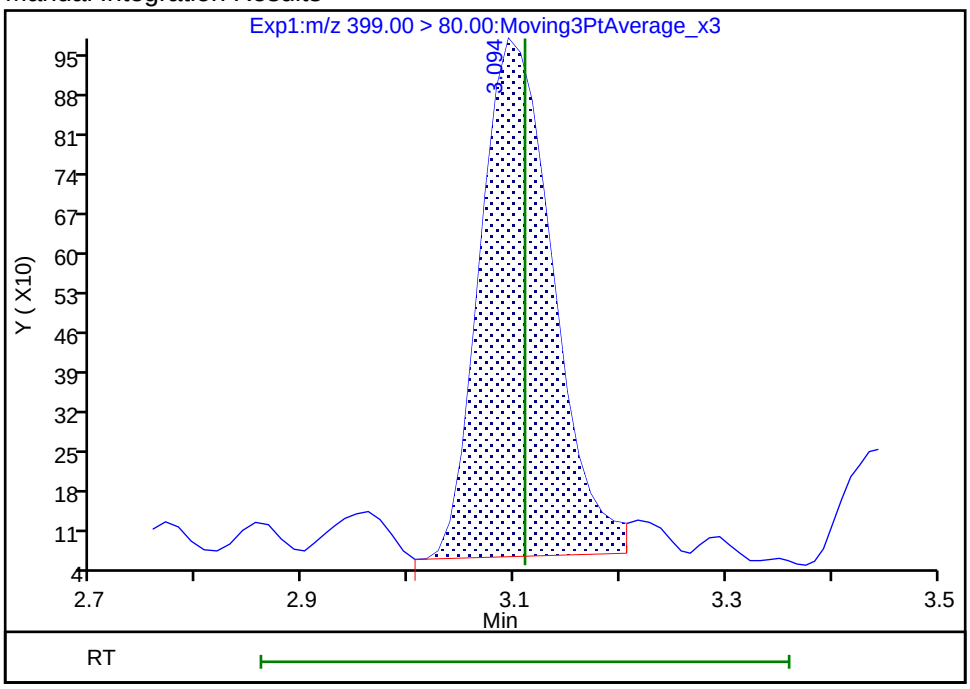
Processing Integration Results

Not Detected
Expected RT: 3.11



Manual Integration Results

RT: 3.09
Area: 4343
Amount: 0.004813
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:21:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

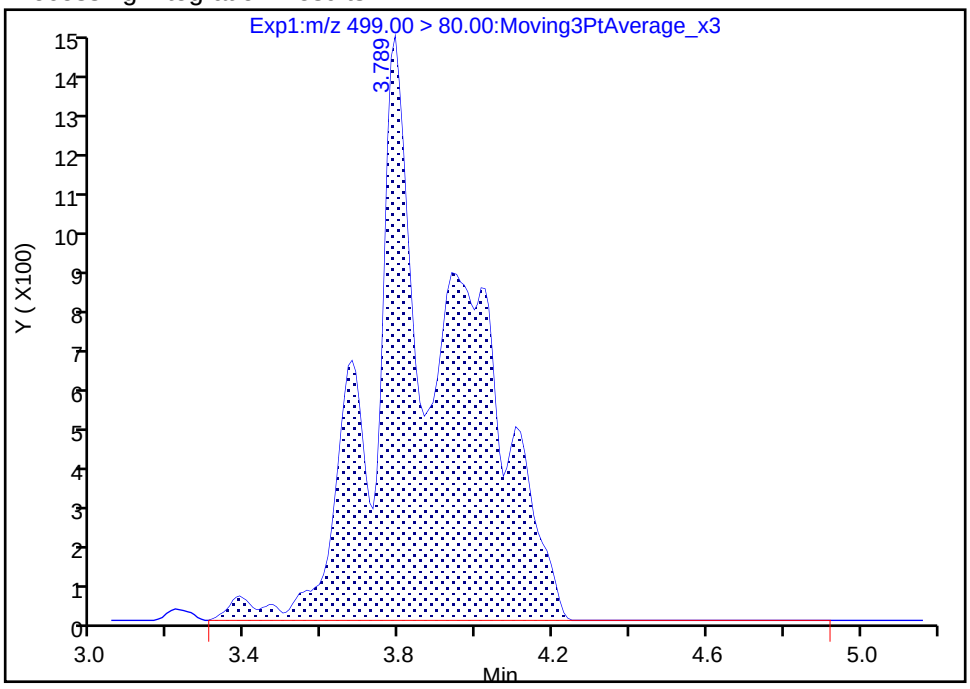
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B09.d				
Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	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

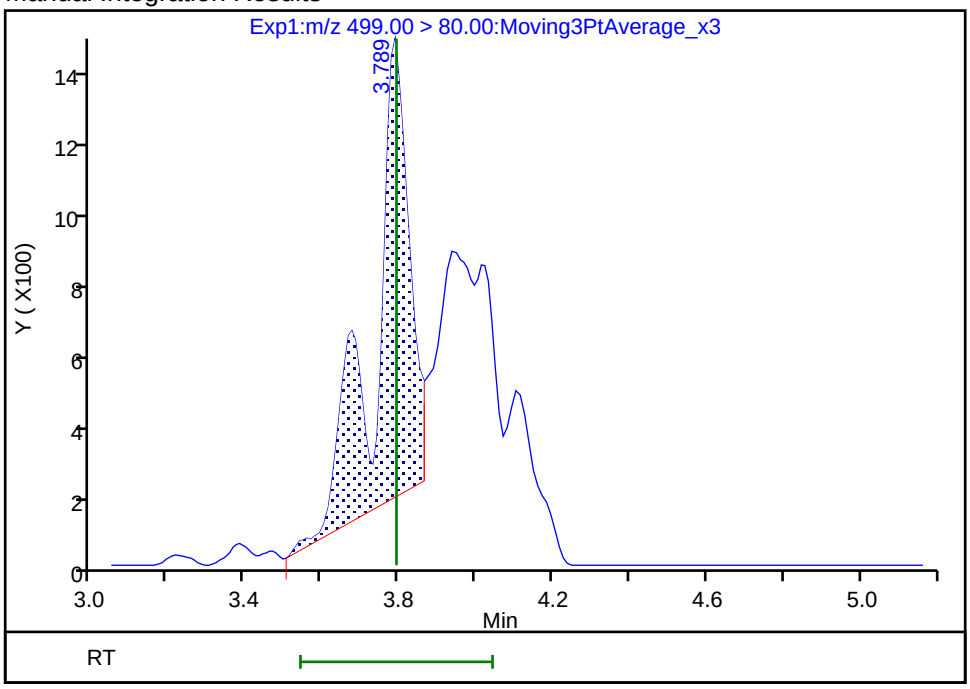
Processing Integration Results

RT: 3.79
Area: 21961
Amount: 0.019719
Amount Units: ng/ml



Manual Integration Results

RT: 3.79
Area: 7814
Amount: -0.004884
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:22:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

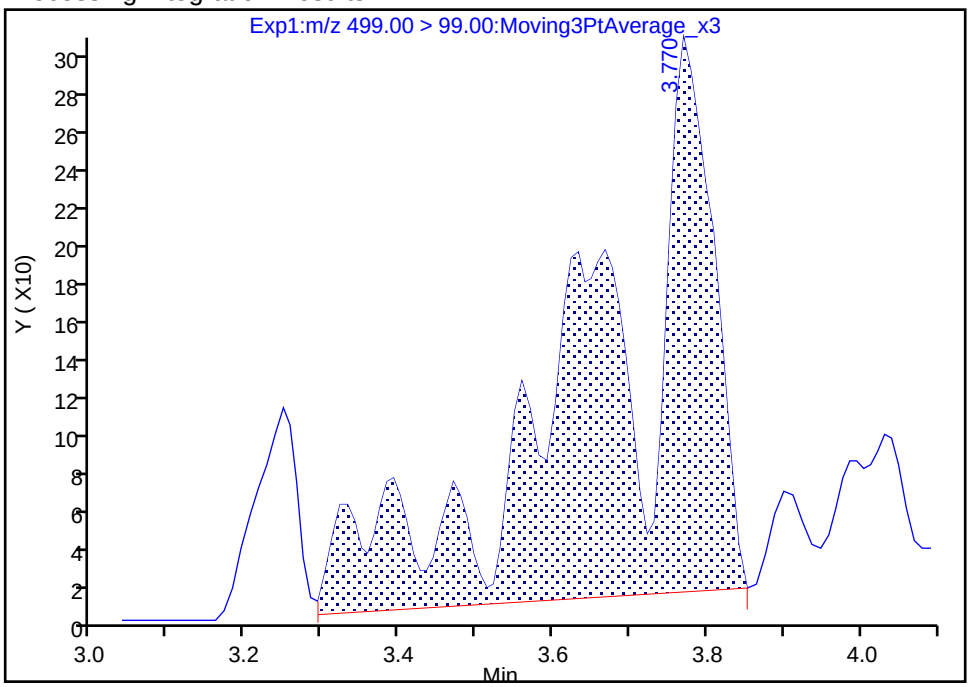
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B09.d				
Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

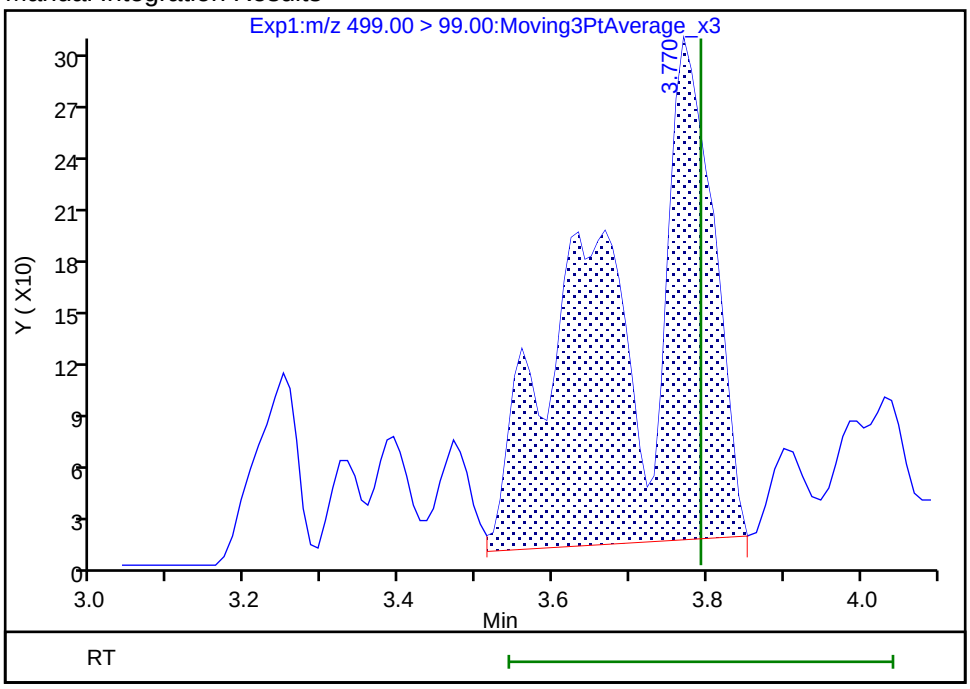
Processing Integration Results

RT: 3.77
Area: 3154
Amount: 0.019719
Amount Units: ng/ml



Manual Integration Results

RT: 3.77
Area: 2612
Amount: -0.004884
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:22:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

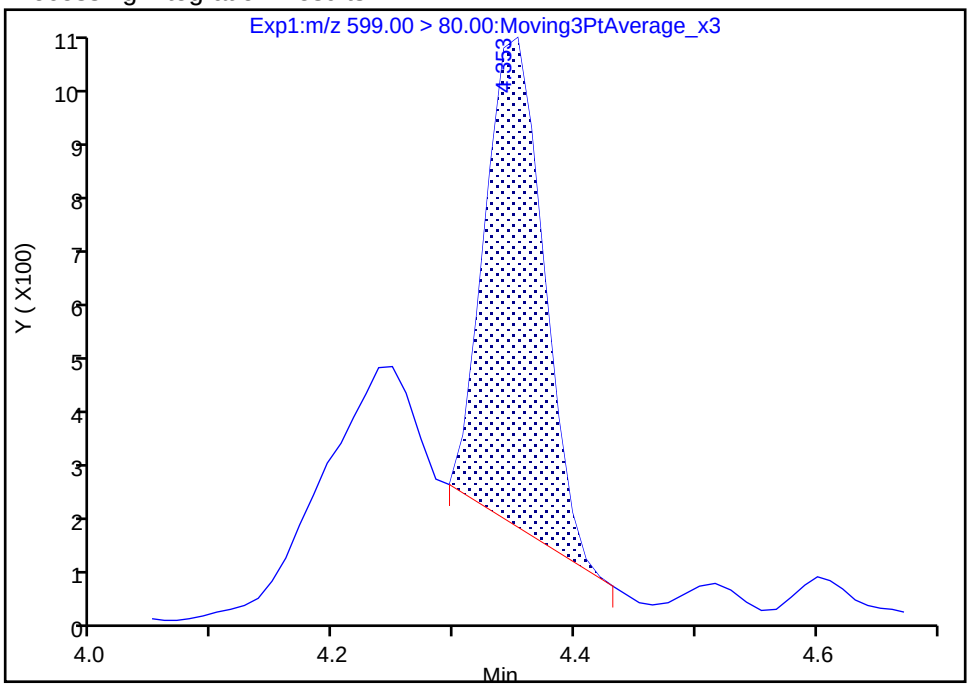
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B09.d				
Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	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

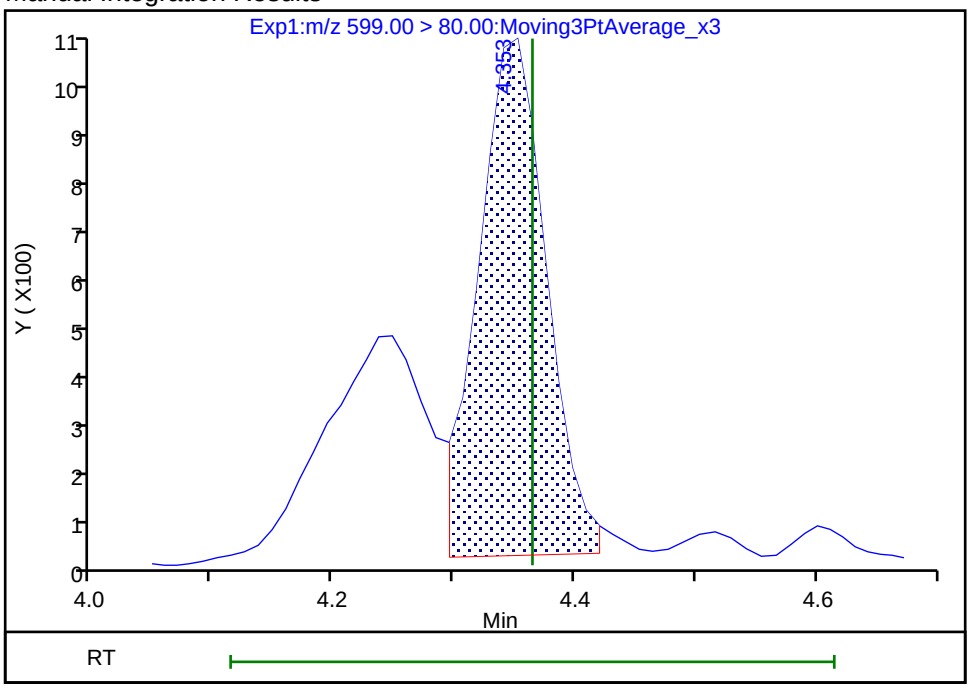
Processing Integration Results

RT: 4.35
Area: 2972
Amount: 0.008826
Amount Units: ng/ml



Manual Integration Results

RT: 4.35
Area: 4026
Amount: 0.011956
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:23:40

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

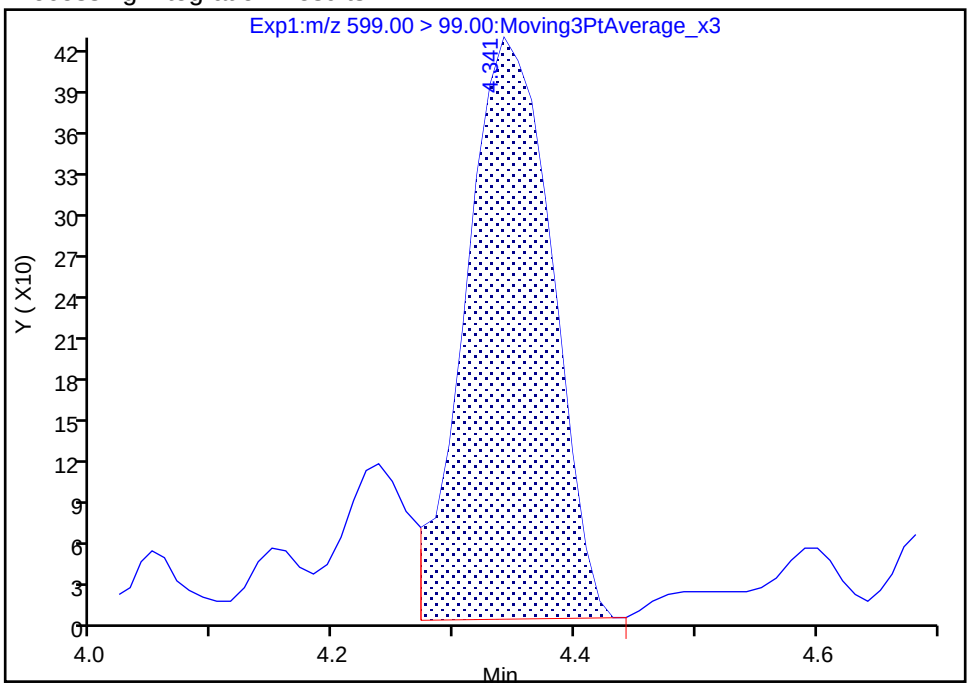
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B09.d				
Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	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

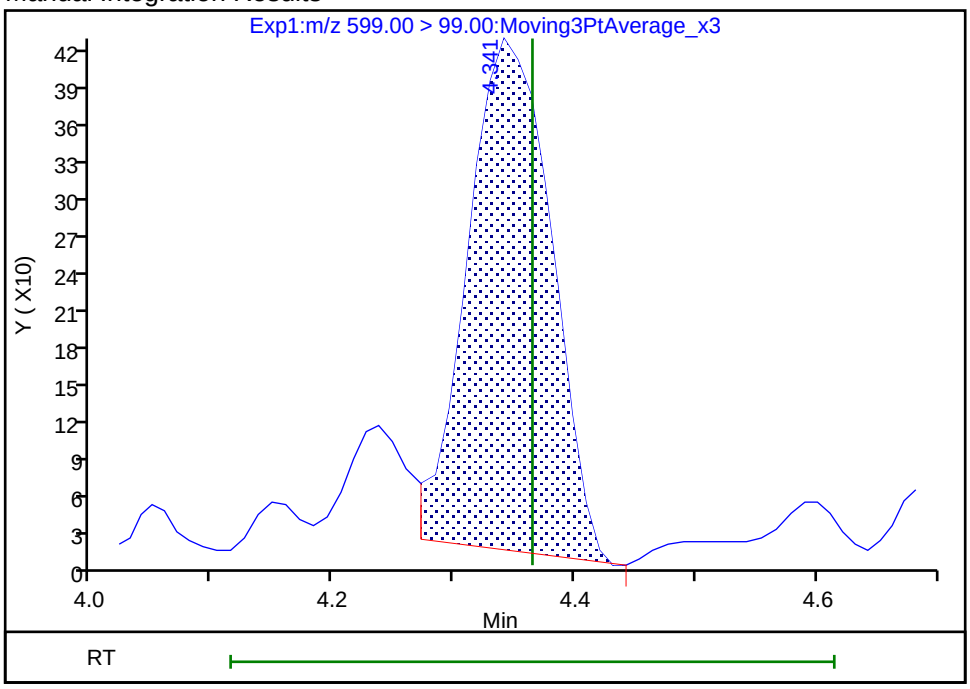
Processing Integration Results

RT: 4.34
Area: 2111
Amount: 0.008826
Amount Units: ng/ml



Manual Integration Results

RT: 4.34
Area: 1993
Amount: 0.011956
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:23:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

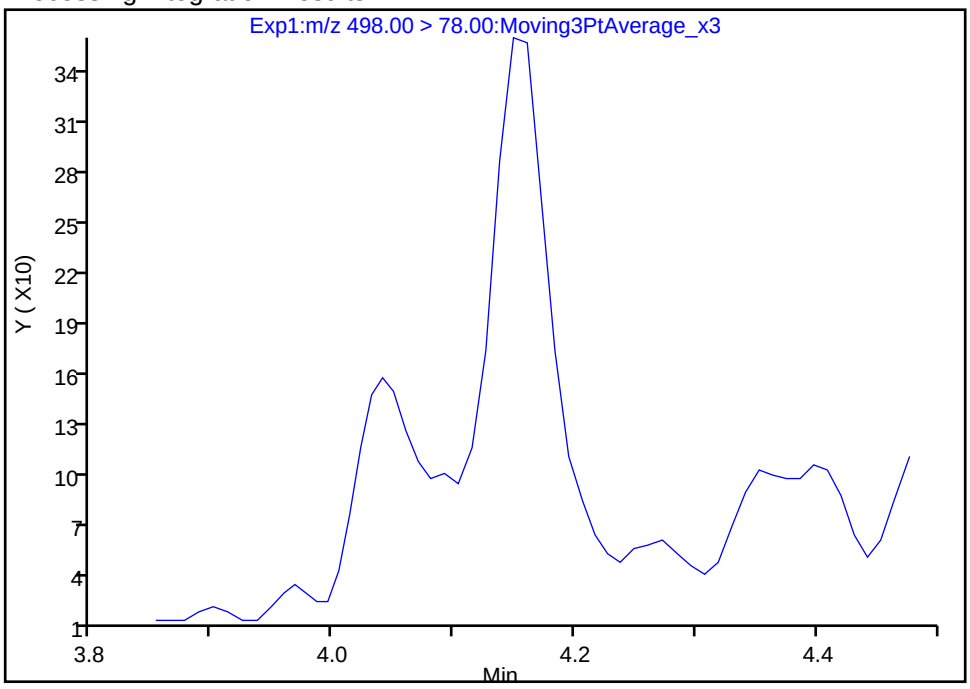
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B09.d				
Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	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

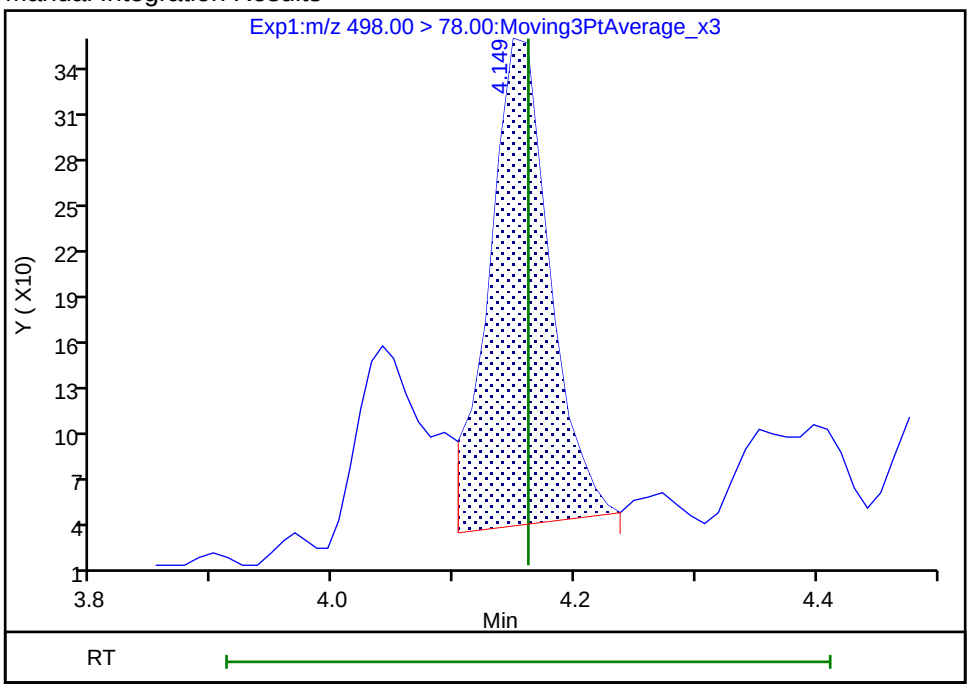
Not Detected
Expected RT: 4.16

Processing Integration Results



Manual Integration Results

RT: 4.15
Area: 1090
Amount: 0.001210
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:23:22
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

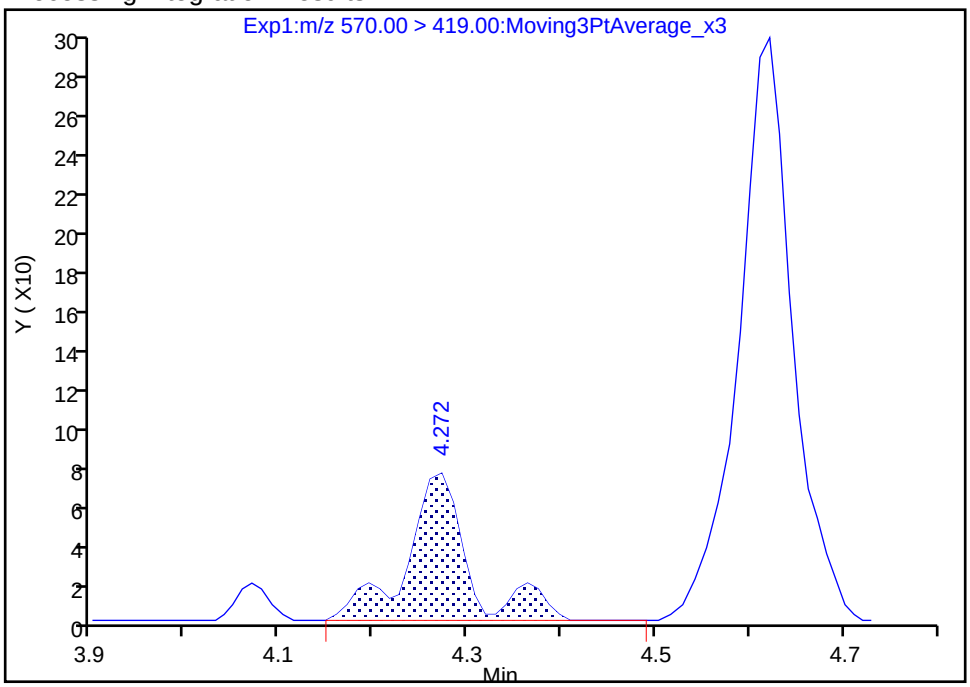
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Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
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

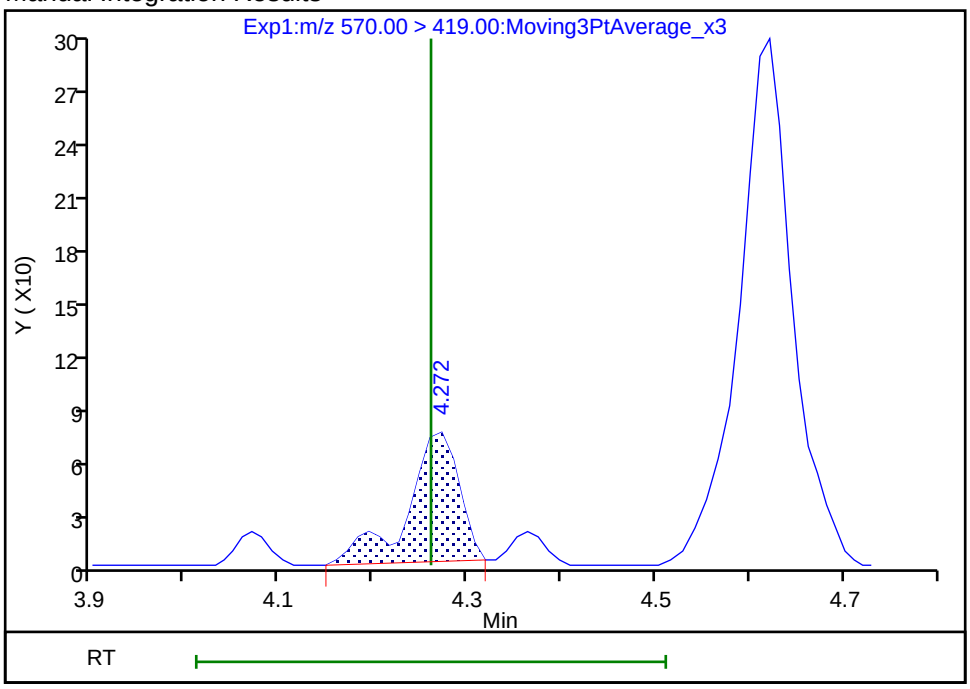
Processing Integration Results

RT: 4.27
Area: 343
Amount: 0.003151
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 278
Amount: 0.002554
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:23:27

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

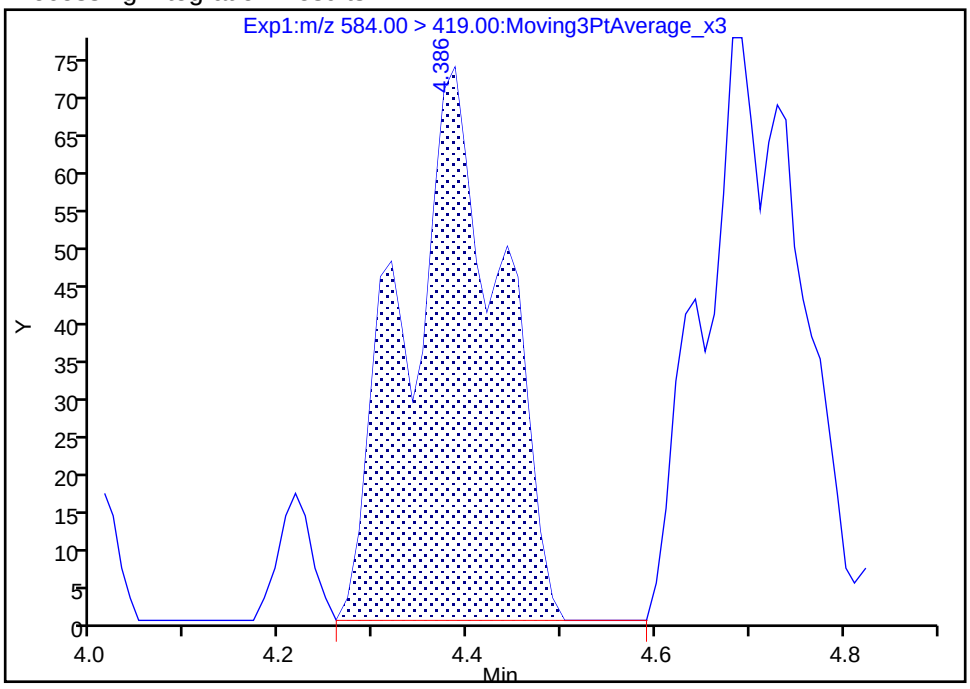
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B09.d				
Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	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

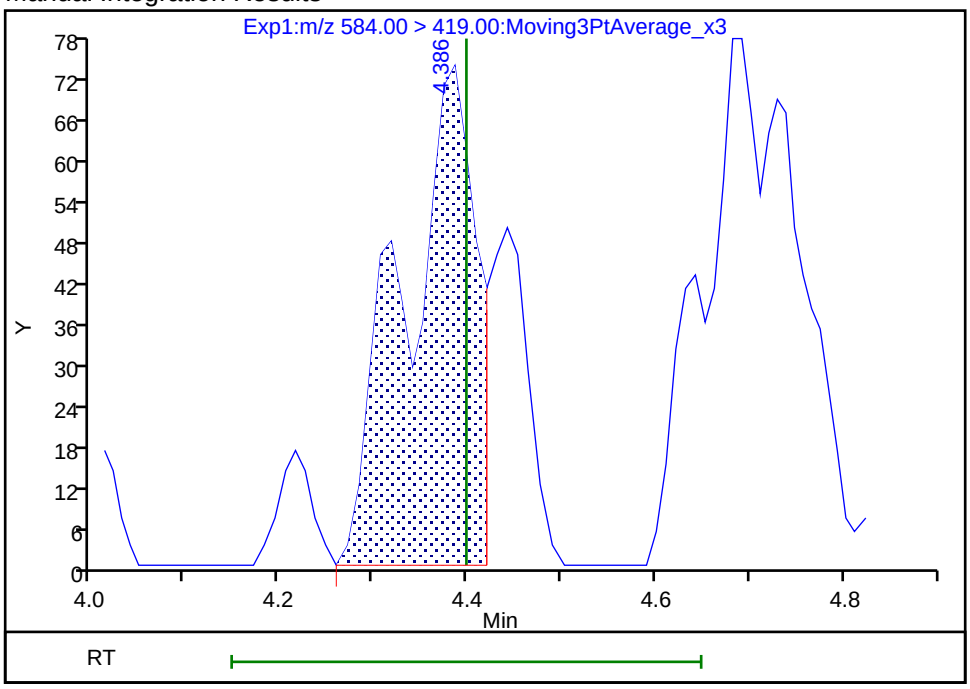
Processing Integration Results

RT: 4.39
Area: 528
Amount: 0.005001
Amount Units: ng/ml



Manual Integration Results

RT: 4.39
Area: 388
Amount: 0.003675
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:24:13

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

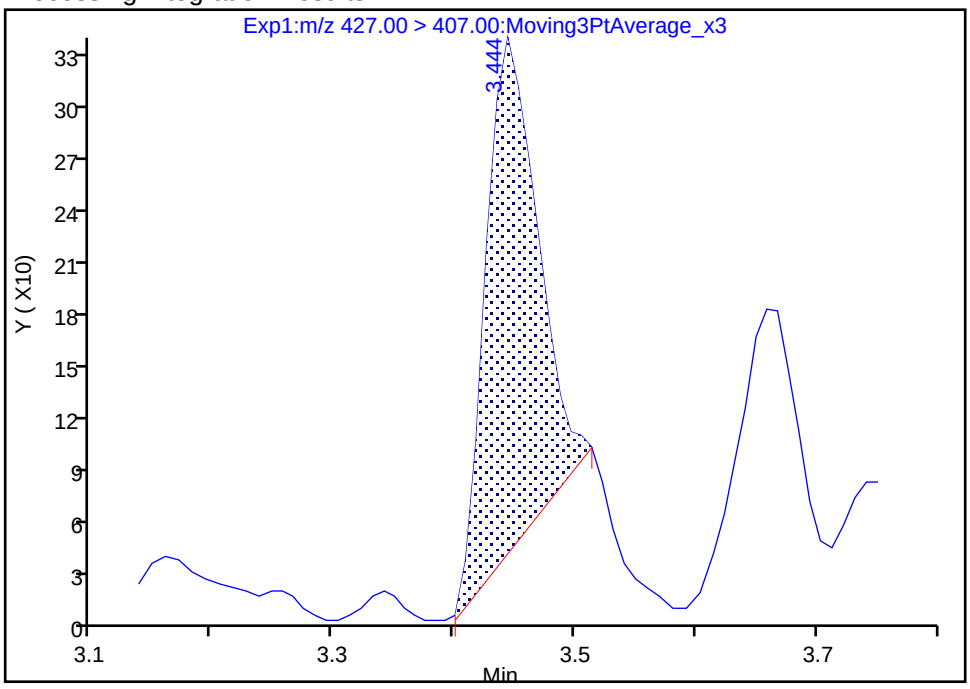
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B09.d				
Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

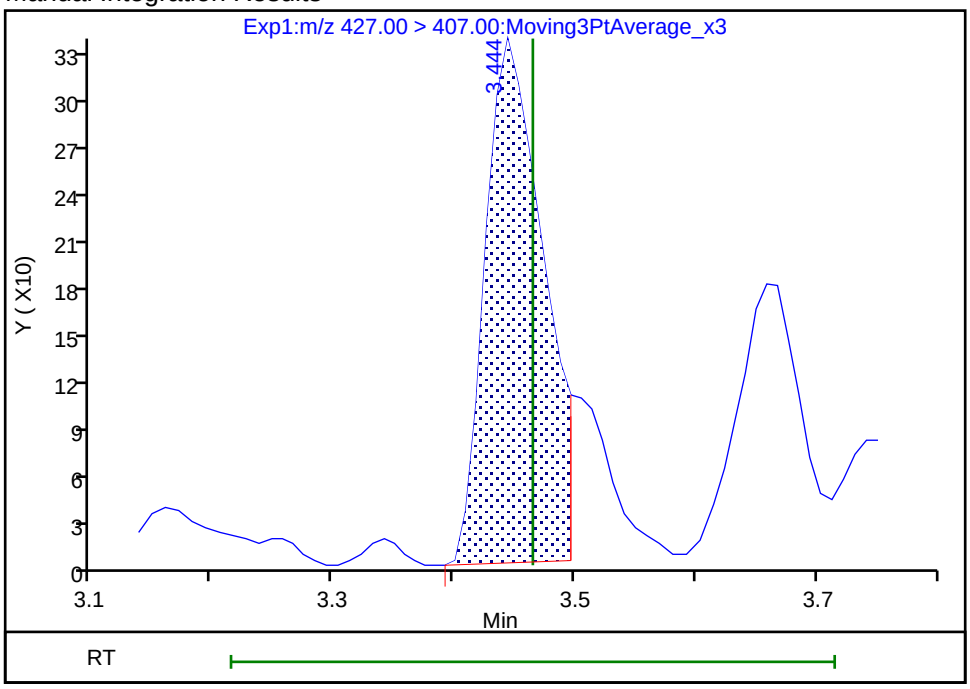
Processing Integration Results

RT: 3.44
Area: 891
Amount: -0.012406
Amount Units: ng/ml



Manual Integration Results

RT: 3.44
Area: 1112
Amount: -0.011314
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:21:39
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

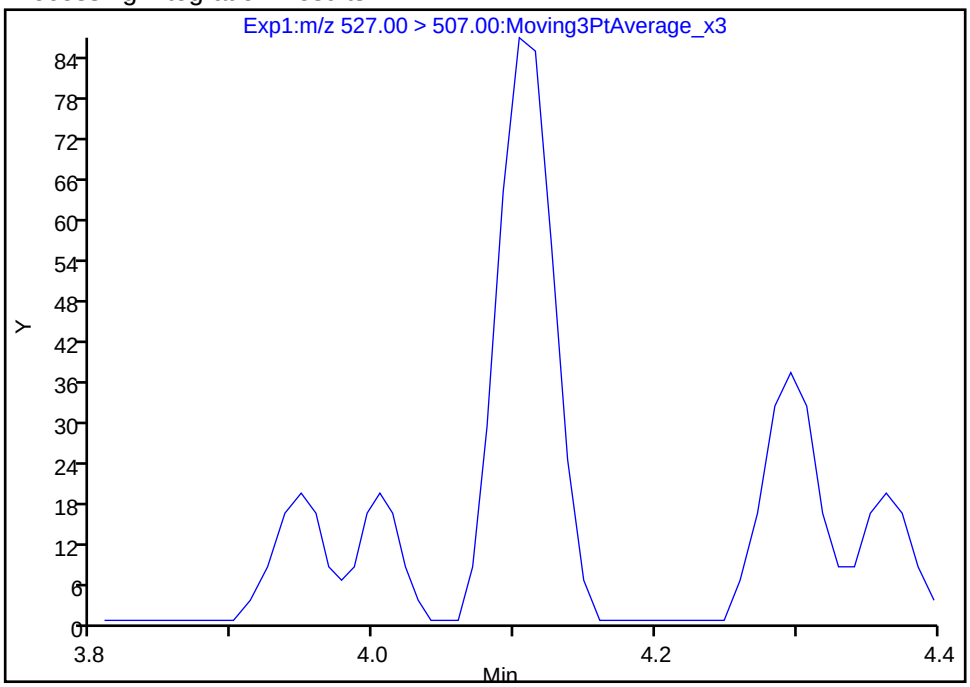
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Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
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

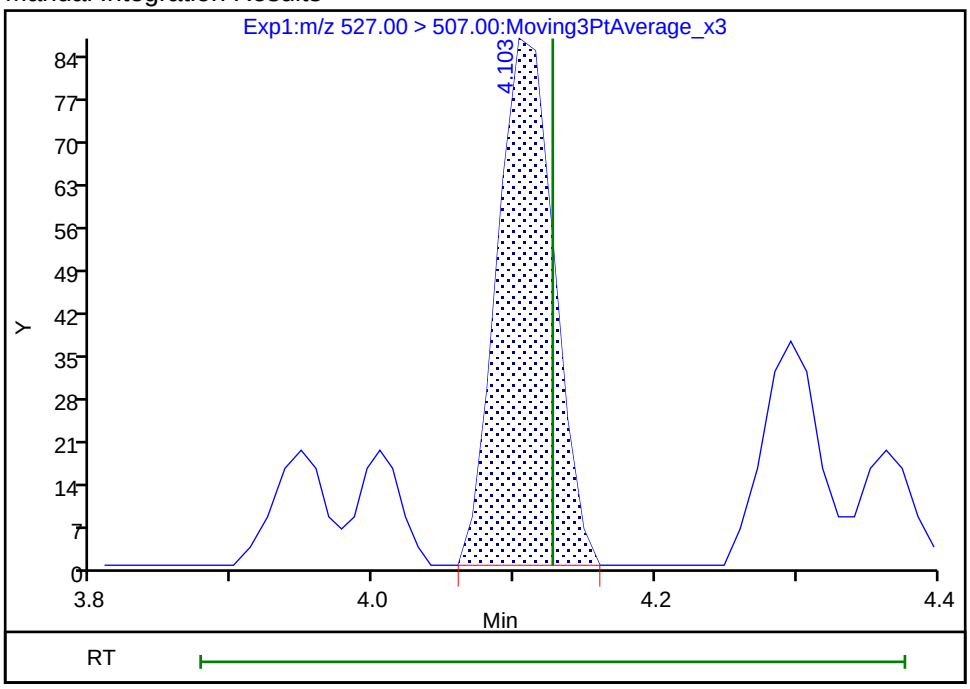
Not Detected
Expected RT: 4.13

Processing Integration Results



Manual Integration Results

RT: 4.10
Area: 244
Amount: 0.001622
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:23:16
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

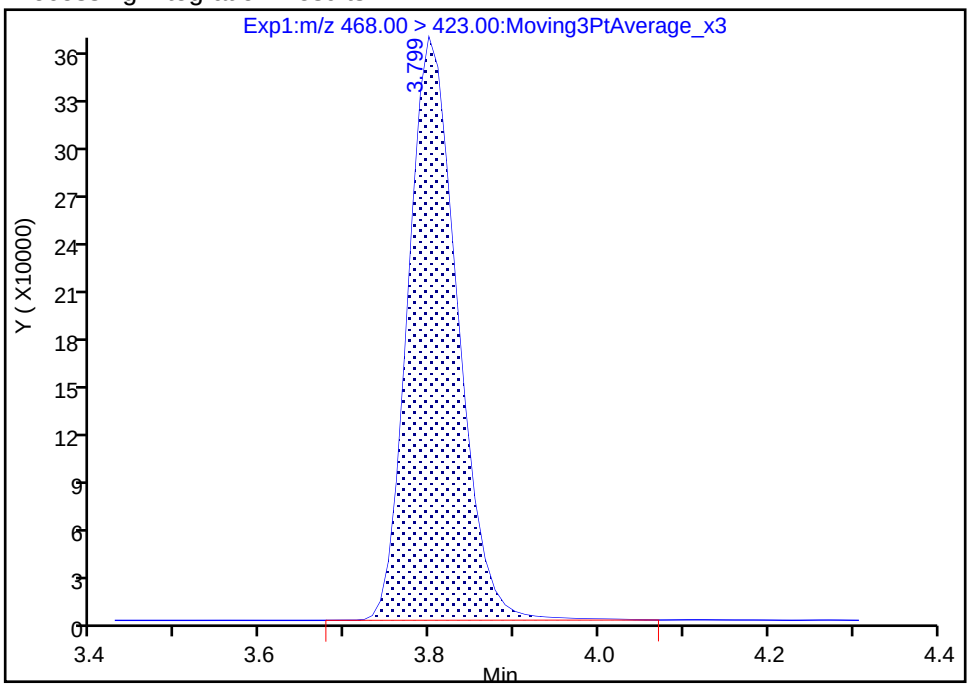
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B09.d				
Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	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

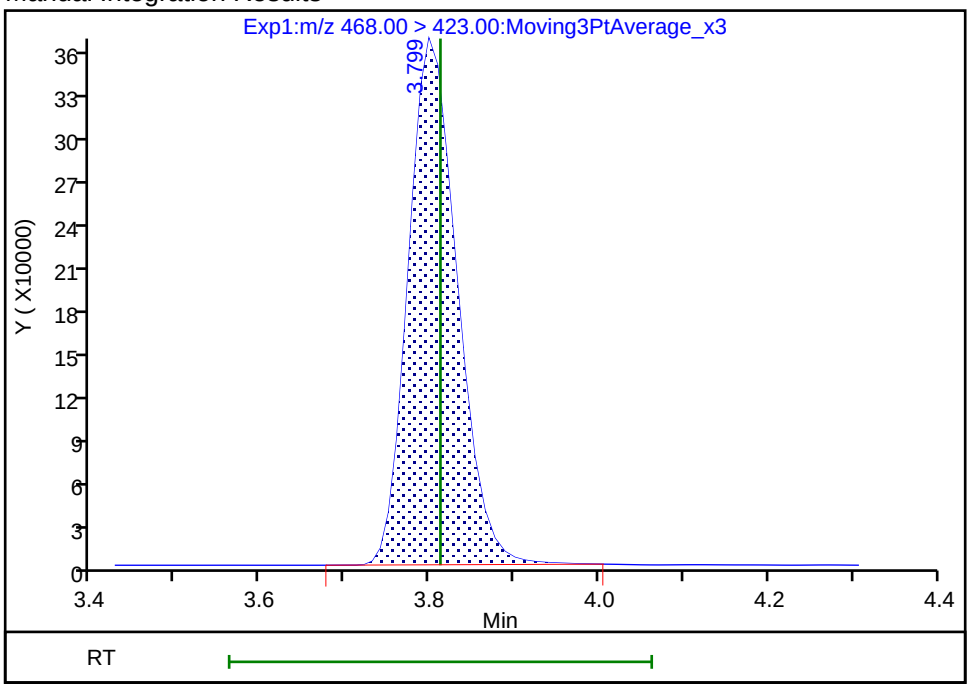
Processing Integration Results

RT: 3.80
Area: 1469192
Amount: 1.141182
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 1462387
Amount: 1.135897
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:21:26

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

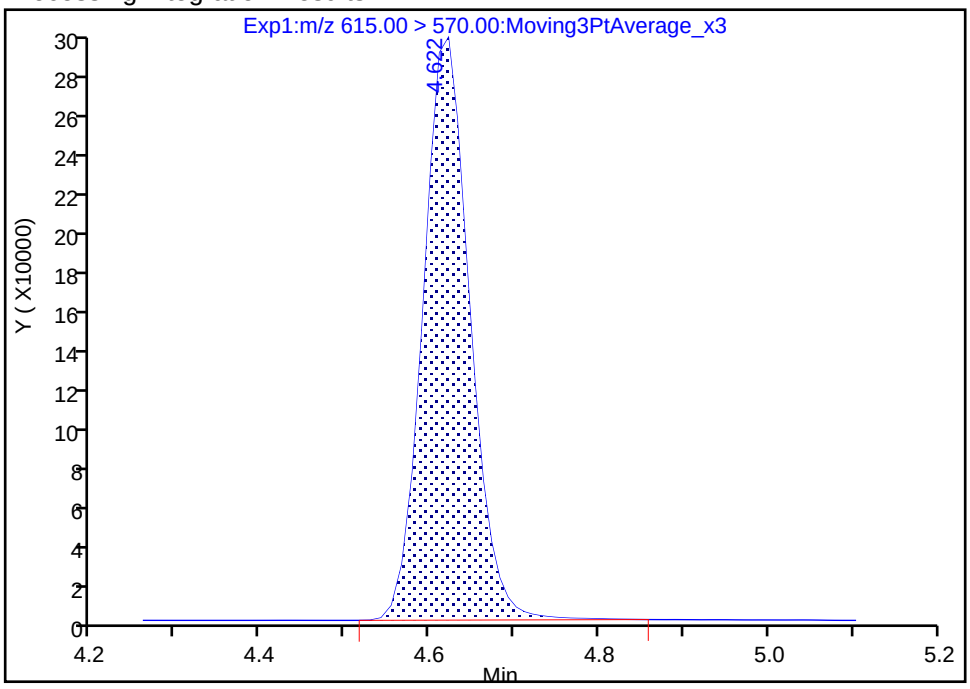
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B09.d				
Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	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 PFDoA, CAS: STL00998

Signal: 1

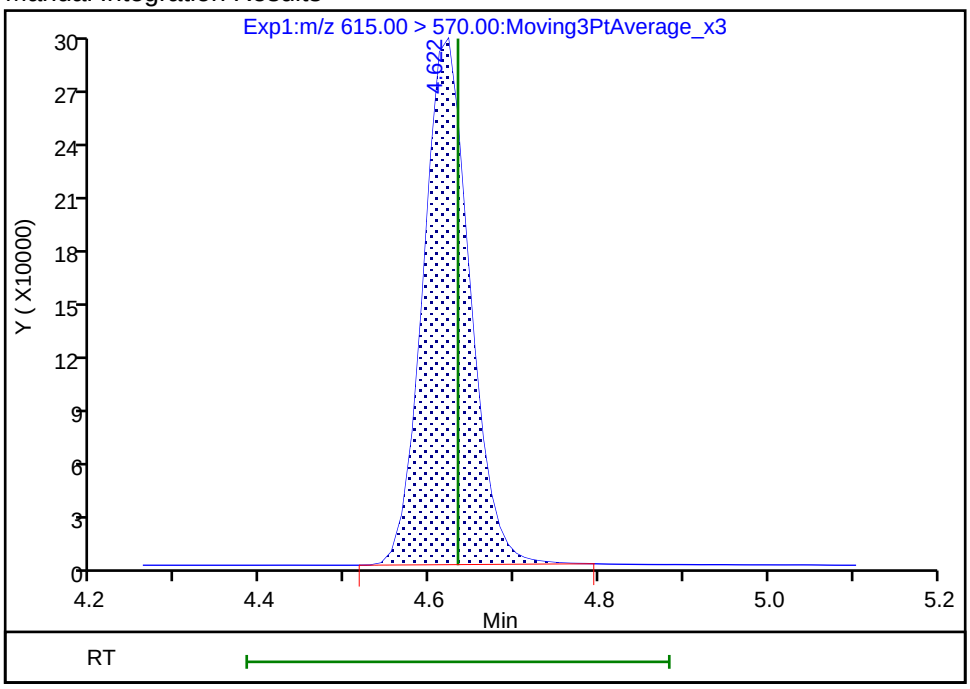
Processing Integration Results

RT: 4.62
Area: 1135482
Amount: 1.154235
Amount Units: ng/ml



Manual Integration Results

RT: 4.62
Area: 1130356
Amount: 1.149024
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:21:46

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

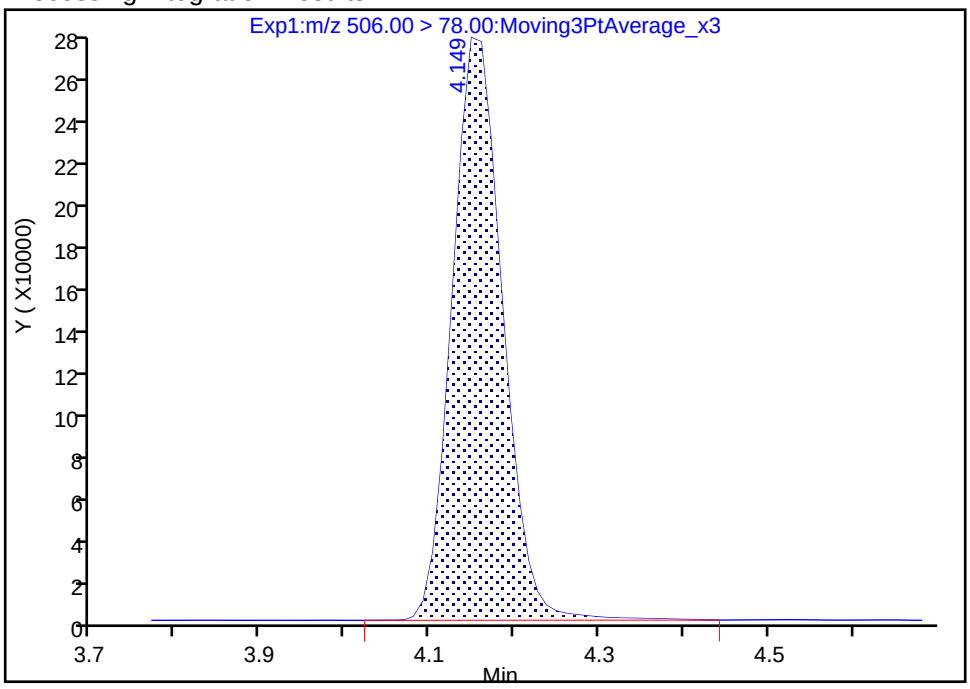
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B09.d				
Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	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

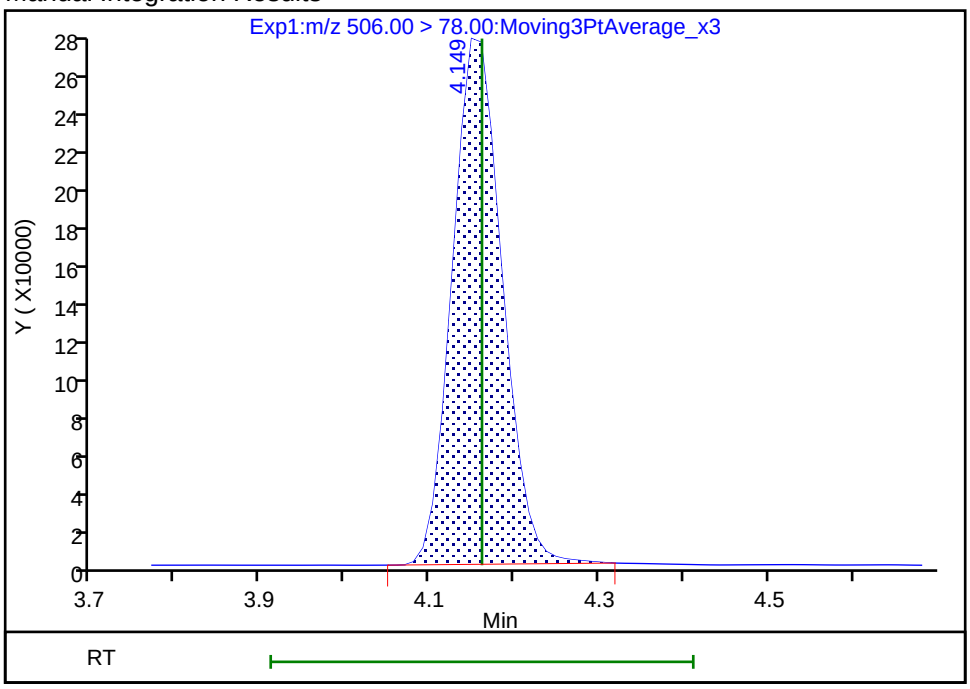
Processing Integration Results

RT: 4.15
Area: 1117598
Amount: 1.019119
Amount Units: ng/ml



Manual Integration Results

RT: 4.15
Area: 1105400
Amount: 1.007996
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:21:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

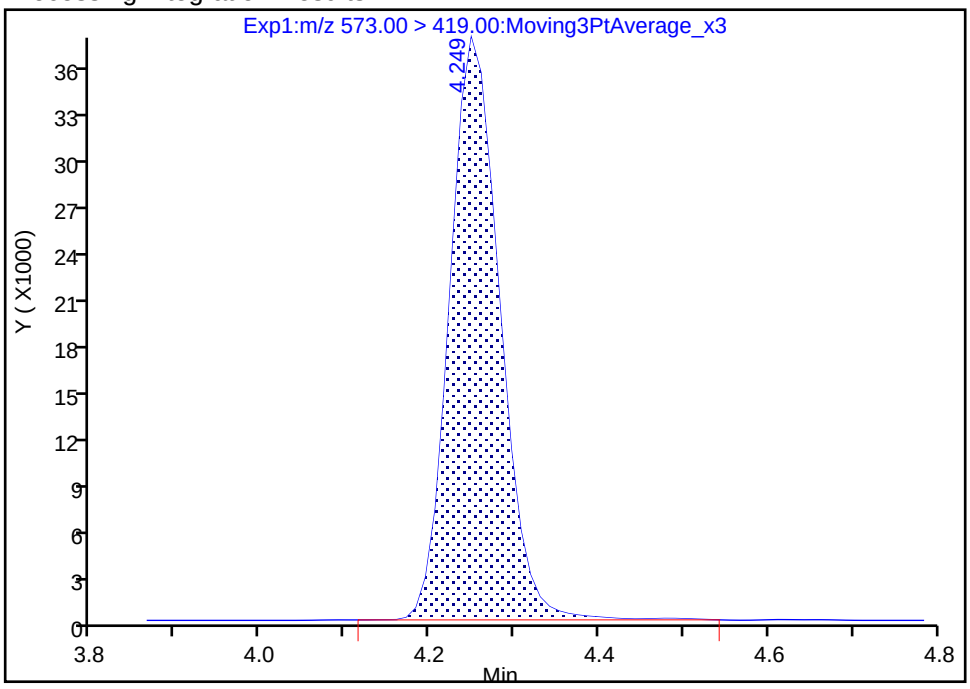
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B09.d				
Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	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

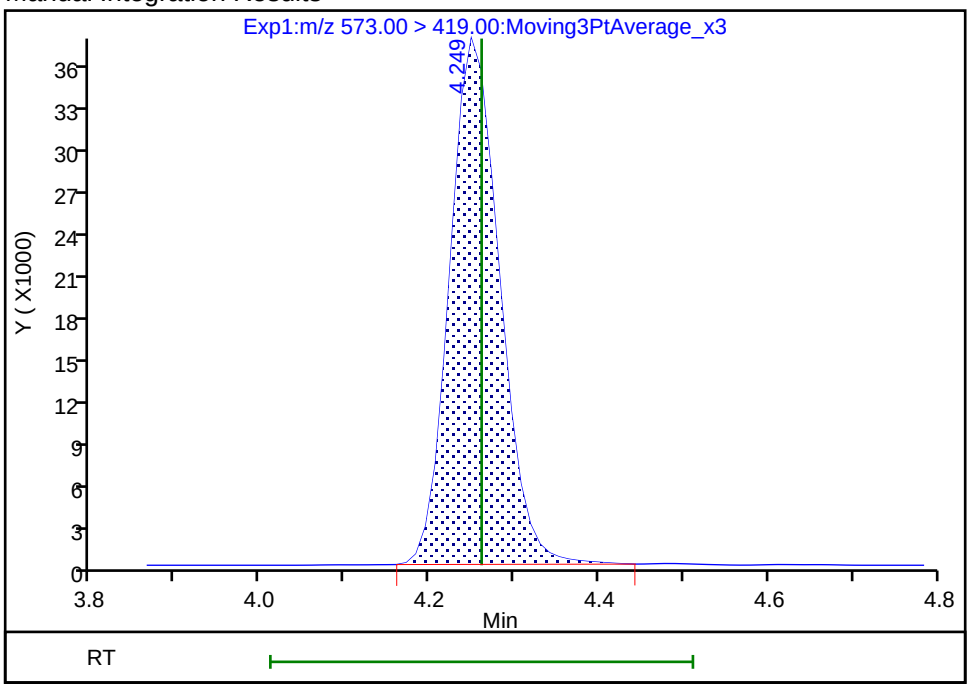
Processing Integration Results

RT: 4.25
Area: 154139
Amount: 0.917834
Amount Units: ng/ml



Manual Integration Results

RT: 4.25
Area: 153193
Amount: 0.912201
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:19:48

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

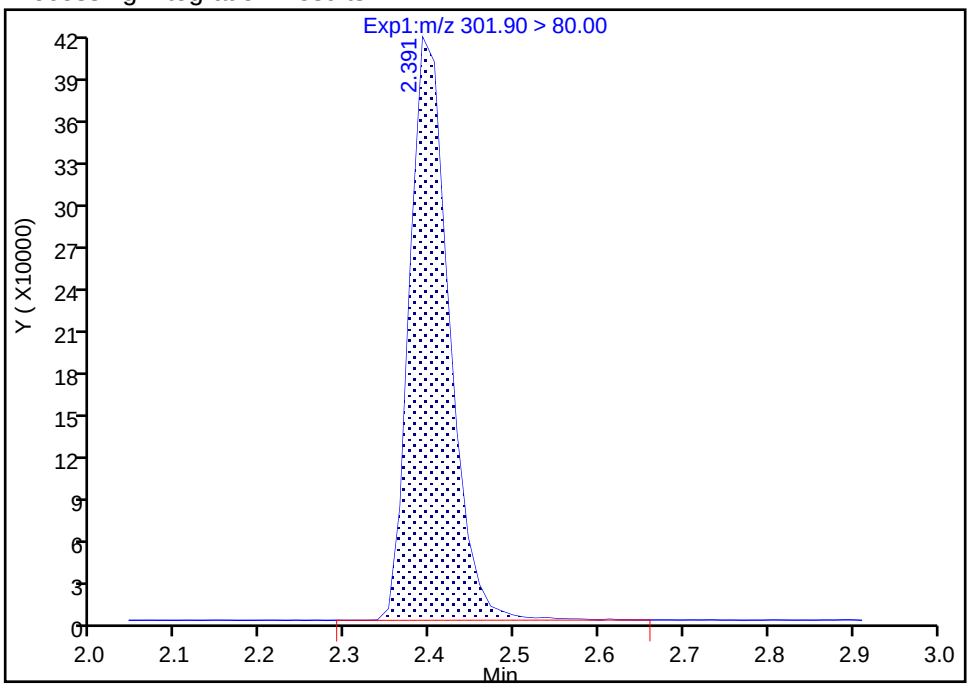
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Injection Date:	04-Aug-2022 15:06:39	Instrument ID:	LC812		
Lims ID:	460-262897-A-1-A	Lab Sample ID:	200-262897-1		
Client ID:	BCS-09-40 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

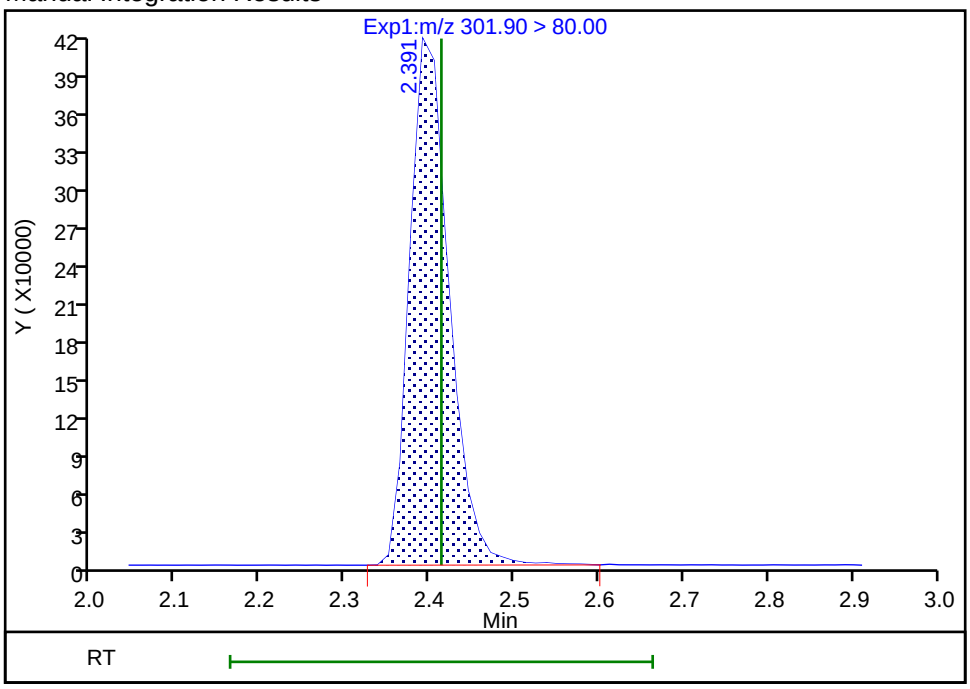
Processing Integration Results

RT: 2.39
Area: 1340930
Amount: 0.991652
Amount Units: ng/ml



Manual Integration Results

RT: 2.39
Area: 1339919
Amount: 0.990904
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:19:37

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 460-262897-1

SDG No.:

Client Sample ID: BCS-09-41 (5-5.5)P | Lab Sample ID: 460-262897-2

Matrix: Solid | Lab File ID: PA220804B10.d

Analysis Method: 537 (modified) | Date Collected: 07/29/2022 10:10

Extraction Method: SHAKE | Date Extracted: 08/03/2022 11:39

Sample wt/vol: 5.27(g) | Date Analyzed: 08/04/2022 15:14

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

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

% Moisture: 9.6 % Solids: 90.4 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 182375 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.52	U	0.52	0.35
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.070	J	0.21	0.058
307-24-4	Perfluorohexanoic acid (PFHxA)	0.071	J	0.21	0.048
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.063	J	0.21	0.041
335-67-1	Perfluorooctanoic acid (PFOA)	0.17	J	0.21	0.061
375-95-1	Perfluorononanoic acid (PFNA)	0.21	U	0.21	0.036
335-76-2	Perfluorodecanoic acid (PFDA)	0.036	J	0.21	0.029
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.21	U	0.21	0.028
307-55-1	Perfluorododecanoic acid (PFDoA)	0.21	U	0.21	0.026
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.21	U	0.21	0.026
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.21	U	0.21	0.027
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.21	U	0.21	0.035
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.21	U	0.21	0.043
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.21	U	0.21	0.024
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.21	U	0.21	0.12
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.081	J	0.21	0.020
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.21	U	0.21	0.036
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.10	U	2.10	0.12
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.10	U	2.10	0.087
27619-97-2	6:2 FTS	2.10	U	2.10	0.060
39108-34-4	8:2 FTS	2.10	U	2.10	0.039

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 460-262897-1

SDG No.:

Client Sample ID: BCS-09-41 (5-5.5)P | Lab Sample ID: 460-262897-2

Matrix: Solid | Lab File ID: PA220804B10.d

Analysis Method: 537 (modified) | Date Collected: 07/29/2022 10:10

Extraction Method: SHAKE | Date Extracted: 08/03/2022 11:39

Sample wt/vol: 5.27(g) | Date Analyzed: 08/04/2022 15:14

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

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

% Moisture: 9.6 % Solids: 90.4 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 182375 | 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	94		50-150
STL00991	13C4 PFOS	85		50-150
STL00995	13C5 PFNA	93		50-150
STL00992	13C4 PFBA	96		50-150
STL00993	13C2 PFHxA	93		50-150
STL00996	13C2 PFDA	91		50-150
STL00997	13C2 PFUnA	94		50-150
STL00998	13C2 PFDoA	96		50-150
STL01056	13C8 FOSA	86		50-150
STL01893	13C5 PFPeA	99		50-150
STL02116	13C2 PFTeDA	99		50-150
STL02118	d3-NMeFOSAA	75		50-150
STL02117	d5-NEtFOSAA	82		50-150
STL02279	M2-6:2 FTS	80		50-150
STL02280	M2-8:2 FTS	85		50-150
STL02337	13C3 PFBS	84		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d
Lims ID: 460-262897-A-2-A
Client ID: BCS-09-41 (5-5.5)P
Sample Type: Client
Inject. Date: 04-Aug-2022 15:14:49 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: 460-262897-A-2-A
Misc. Info.: 200-0051959-010 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 05-Aug-2022 12:53:58 Calib Date: 03-Aug-2022 13:41:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1640

First Level Reviewer: nampitakw Date: 05-Aug-2022 11:32:37
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										M
217.00 > 172.00	2.076	2.076	0.0	0.598	1701919	1.20		95.6	8293	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.085	0.0	1.004	27999	0.0212			2.5	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.387	2.400	-0.013	0.687	1351903	1.23		98.8	2801	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.387	2.400	-0.013	1.000	37232	0.0334			1.5	M
D 47 13C3 PFBS										
301.90 > 80.00	2.400	2.413	-0.013	0.691	1242404	0.9804		84.3	194671	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.413	2.413	0.0	1.006	3238	0.002745	Target=2.23		2.9	M
298.90 > 99.00	2.400	2.413	-0.013	1.000	2650		1.22(1.11-3.34)		1.2	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.738	2.750	-0.012	1.000	36023	0.0338	Target=12.24		5.9	M
313.00 > 119.00	2.738	2.750	-0.012	1.000	4192		8.59(6.12-18.36)		6.4	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.738	2.750	-0.012	0.788	1275391	1.17		93.3	2455	
D 11 18O2 PFHxS										
403.00 > 84.00	3.110	3.110	0.0	0.895	913455	1.02		86.7	3434	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.110	3.110	0.0	1.000	8001	0.009391	Target=3.43		22.5	M
399.00 > 99.00	3.110	3.110	0.0	1.000	3277		2.44(1.72-5.15)		2.8	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.110	3.121	-0.011	0.895	1322771	1.17		93.3	2942	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.110	3.121	-0.011	1.000	32744	0.0300	Target=3.73		8.6	M
363.00 > 169.00	3.110	3.121	-0.011	1.000	9265		3.53(1.86-5.59)		19.2	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 12 M2-6:2 FTS										
429.00 > 81.00	3.456	3.465	-0.009	0.995	141235	0.9468		79.7	298	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.474	3.465	0.009	1.005	279	-0.0152			2.9	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.448	3.465	-0.017	0.909	962	0.001375	Target=4.89		3.3	M
449.00 > 99.00	3.456	3.465	-0.009	0.911	267		3.60(2.44-7.33)		1.8	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.474	3.474	0.0	1.000	99956	0.0814	Target=2.67		11.9	M
413.00 > 169.00	3.474	3.474	0.0	1.000	42703		2.34(1.34-4.01)		75.8	M
D 14 13C4 PFOA										
417.00 > 372.00	3.474	3.474	0.0	1.000	1369395	1.18		94.3	2576	
* 62 13C2 PFOA										M
415.00 > 370.00	3.474	3.474	0.0		1525093	1.25			2534	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.792	3.792	0.0	1.000	39032	0.0508	Target=4.88		23.3	M
499.00 > 99.00	3.792	3.792	0.0	1.000	9928		3.93(2.44-7.32)		31.5	M
D 18 13C4 PFOS										
503.00 > 80.00	3.792	3.792	0.0	1.092	676649	1.02		85.1	2083	
20 Perfluorononanoic acid										M
463.00 > 419.00	3.812	3.812	0.0	1.000	14288	0.0125	Target=8.23		3.8	M
463.00 > 169.00	3.802	3.812	-0.010	0.997	1389		10.29(4.11-12.34)		13.7	M
D 19 13C5 PFNA										M
468.00 > 423.00	3.812	3.812	0.0	1.097	1404726	1.16		93.1	2288	M
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.116	4.116	0.0	1.000	19369	0.0172	Target=9.67		10.5	M
513.00 > 169.00	4.116	4.116	0.0	1.000	2003		9.67(4.83-14.50)		11.6	M
D 23 13C2 PFDA										M
515.00 > 470.00	4.116	4.116	0.0	1.185	1334994	1.14		91.0	2624	M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.104	4.127	-0.023	0.994	97	0.000655			3.7	M
D 26 M2-8:2 FTS										M
529.00 > 81.00	4.127	4.127	0.0	1.188	183641	1.02		85.4	583	M
D 21 13C8 FOSA										M
506.00 > 78.00	4.161	4.161	0.0	1.198	1101483	1.07		85.7	2084	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.161	4.161	0.0	1.000	1446	0.001610			5.6	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.261	4.261	0.0	1.000	292	0.002789			1.9	
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.261	4.261	0.0	1.227	147355	0.9363		74.9	730	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.353	4.365	-0.012	1.148	12677	0.0384	Target=2.80		13.7	M
599.00 > 99.00	4.353	4.365	-0.012	1.148	4955		2.56(1.40-4.20)		21.8	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.387	4.387	0.0	1.263	1043093	1.17		93.8	1864	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.387	4.387	0.0	1.000	3650	0.004129	Target=9.07		3.5	M
563.00 > 169.00	4.376	4.387	-0.011	0.997	577		6.33(4.54-13.61)		6.6	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.399	4.399	0.0	1.000	1318	0.0119			17.2	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.399	4.399	0.0	1.266	152980	1.03		82.2	683	
D 36 13C2 PFDoA										M
615.00 > 570.00	4.622	4.633	-0.011	1.331	1109893	1.20		96.3	2088	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.622	4.633	-0.011	1.000	5681	0.006309	Target=6.97		1.2	
613.00 > 169.00	4.622	4.633	-0.011	1.000	1042		5.45(3.48-10.45)		22.1	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.848	4.859	-0.011	1.049	3035	0.003888	Target=4.56		1.0	M
663.00 > 169.00	4.859	4.859	0.0	1.051	612		4.96(2.28-6.84)		9.3	M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.052	5.052	0.0	1.454	930494	1.23		98.8	4113	
42 Perfluorotetradecanoic acid										RM
713.00 > 169.00	5.042	5.052	-0.010	0.998	682	0.005719	Target=0.94		11.6	RM
713.00 > 219.00	5.042	5.052	-0.010	0.998	454		1.50(0.47-1.41)		11.2	M

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Report Date: 05-Aug-2022 12:54:34 Chrom Revision: 2.3 04-Aug-2022 18:02:28

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d

Injection Date: 04-Aug-2022 15:14:49 Instrument ID: LC812

Lims ID: 460-262897-A-2-A Lab Sample ID: 200-262897-2

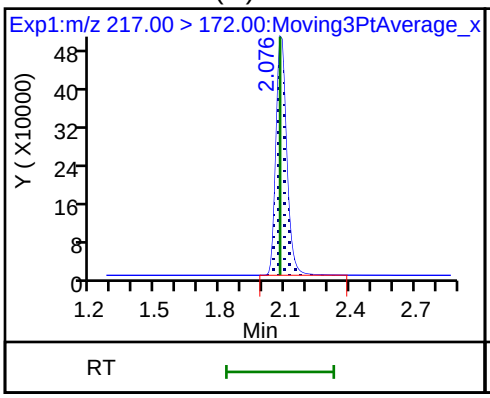
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Operator ID: lc812tech ALS Bottle#: 10 Worklist Smp#: 10

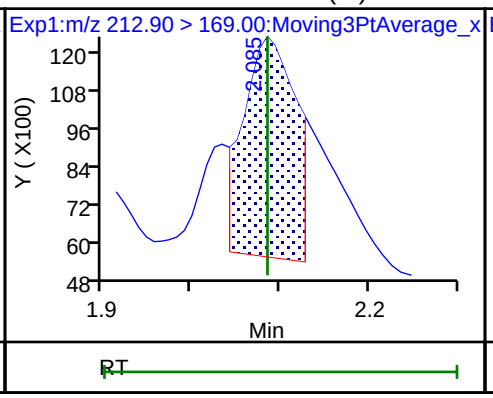
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

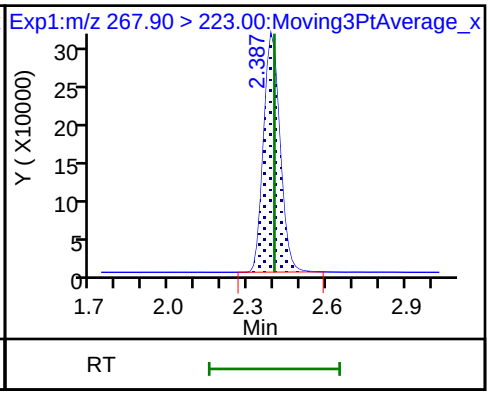
D 1 13C4 PFBA (M)



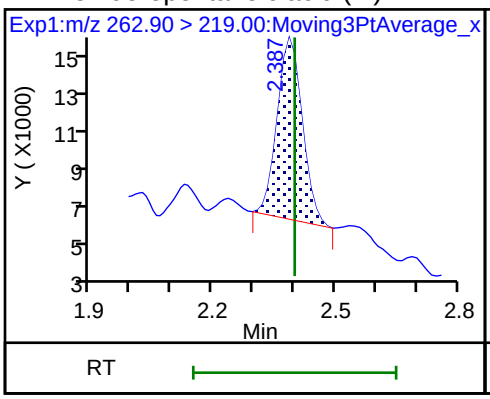
2 Perfluorobutanoic acid (M)



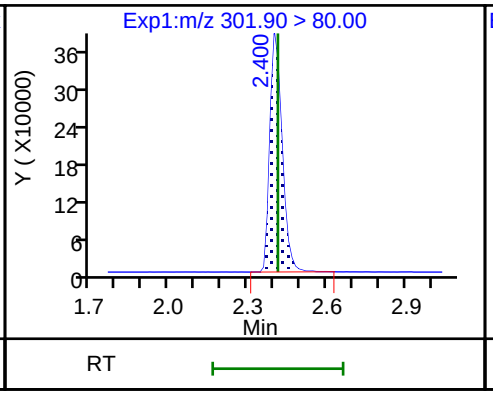
D 3 13C5 PFPeA



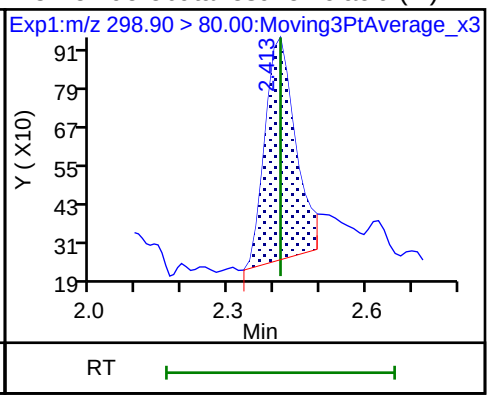
4 Perfluoropentanoic acid (M)



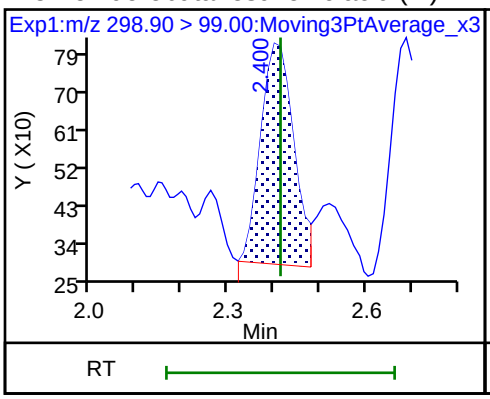
D 47 13C3 PFBS



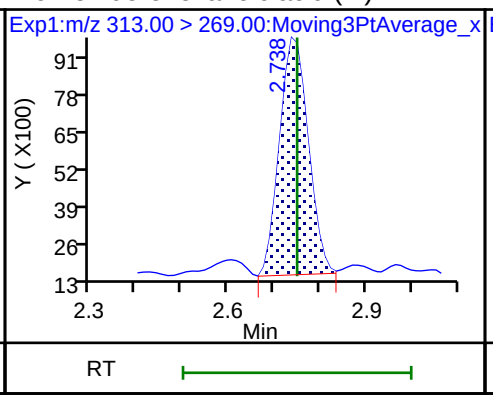
5 Perfluorobutanesulfonic acid (M)



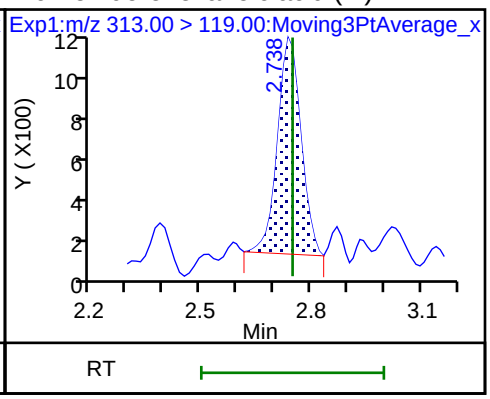
5 Perfluorobutanesulfonic acid (M)



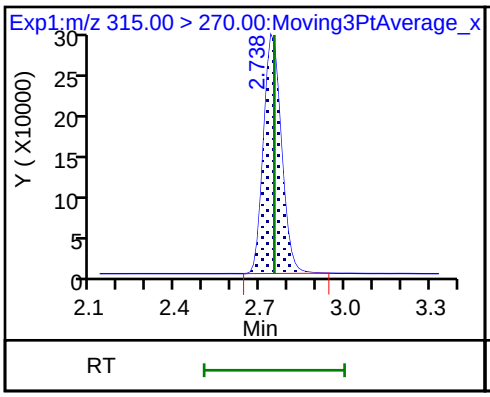
6 Perfluorohexanoic acid (M)



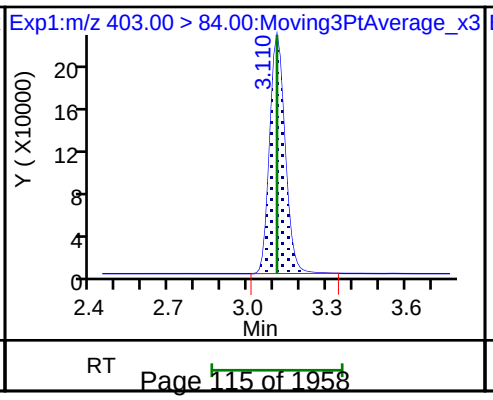
6 Perfluorohexanoic acid (M)



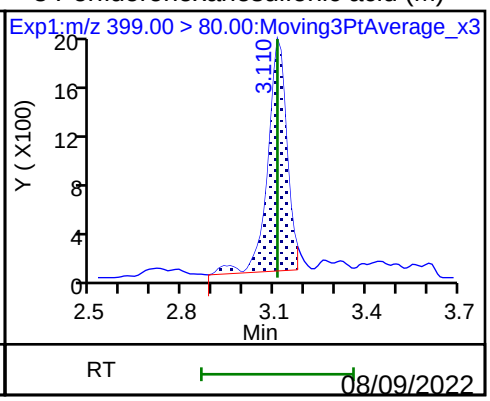
D 7 13C2 PFHxA



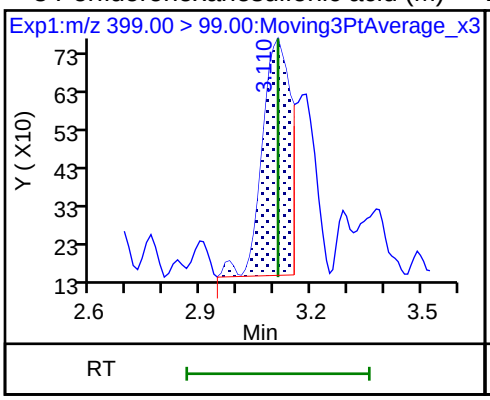
D 11 18O2 PFHxS



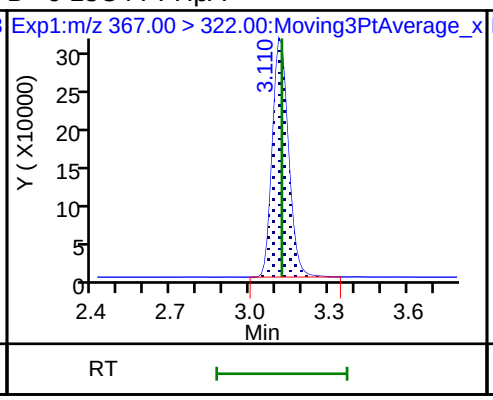
8 Perfluorohexanesulfonic acid (M)



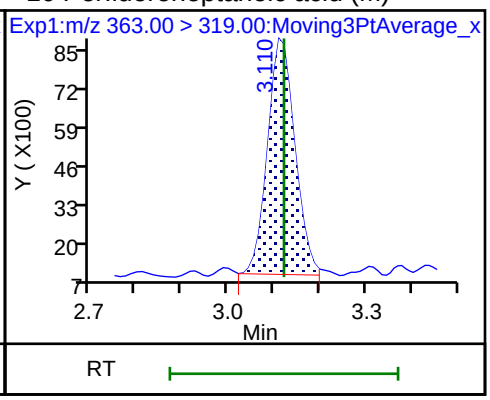
8 Perfluorohexanesulfonic acid (M)



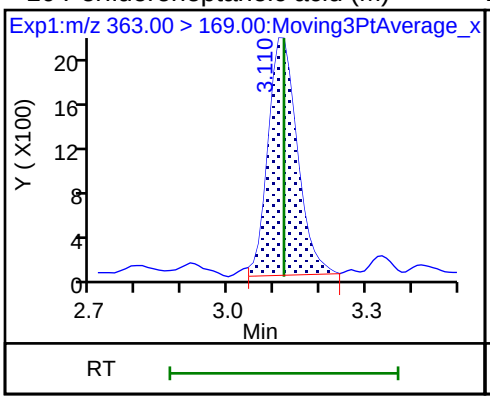
D 9 13C4 PFHpA



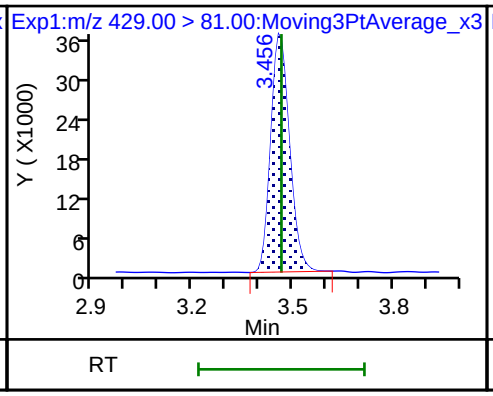
10 Perfluoroheptanoic acid (M)



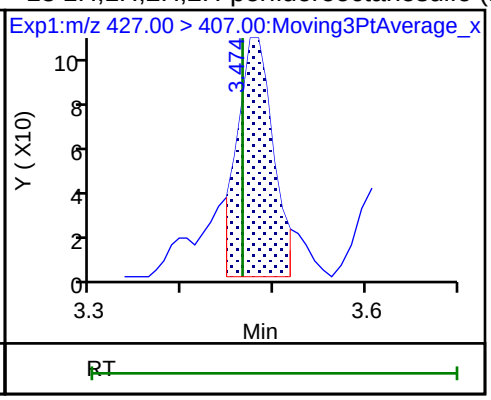
10 Perfluoroheptanoic acid (M)



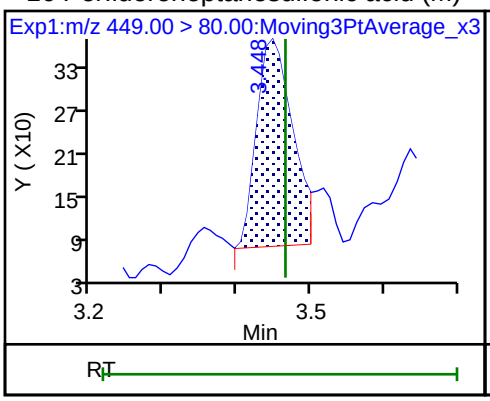
D 12 M2-6:2 FTS



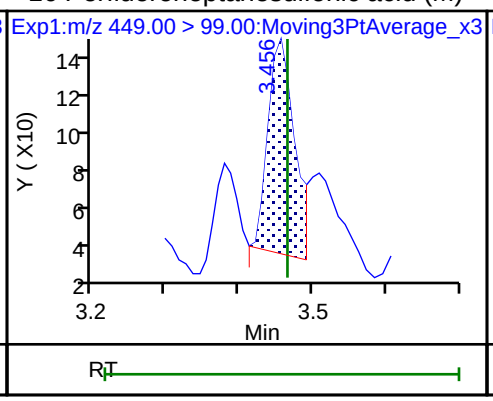
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



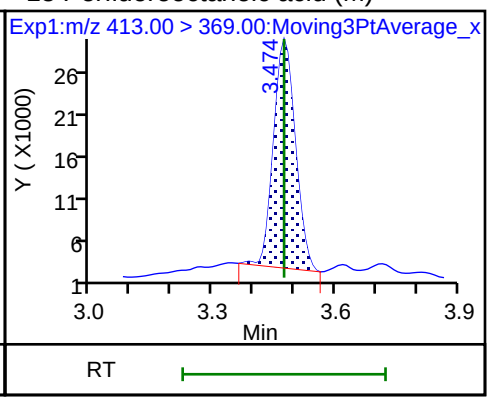
16 Perfluoroheptanesulfonic acid (M)



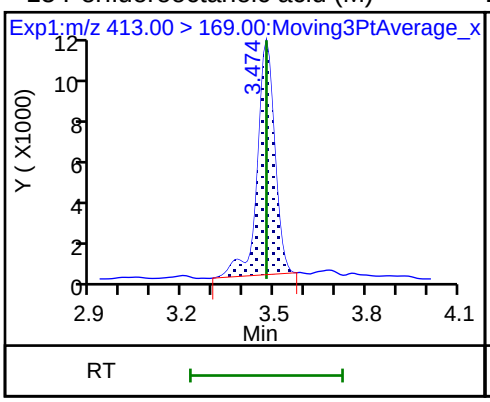
16 Perfluoroheptanesulfonic acid (M)



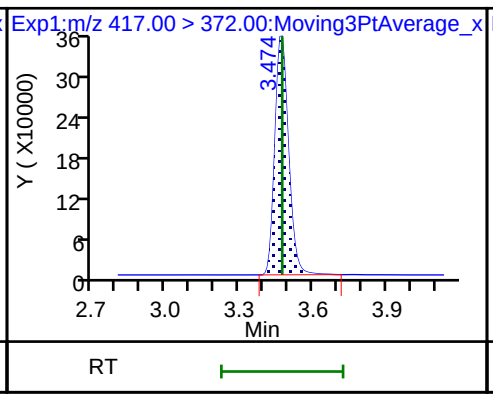
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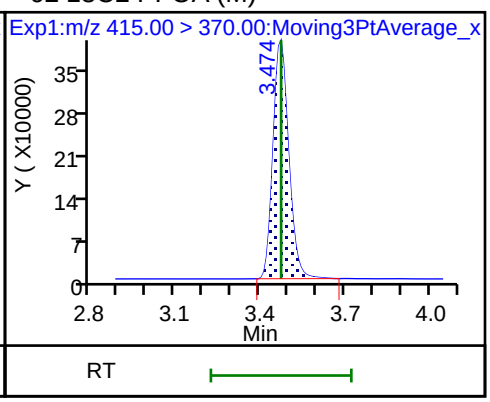
15 Perfluorooctanoic acid (M)



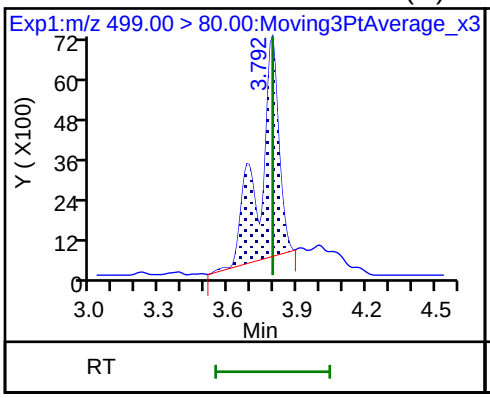
D 14 13C4 PFOA



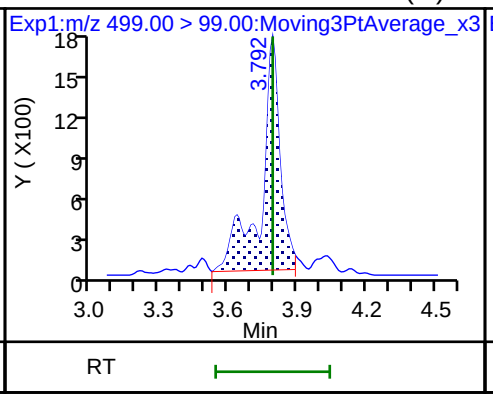
* 62 13C2 PFOA (M)



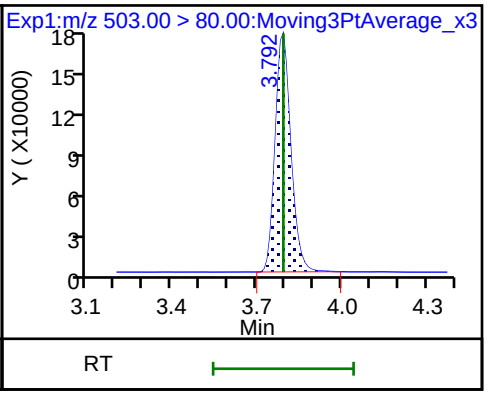
17 Perfluorooctanesulfonic acid (M)



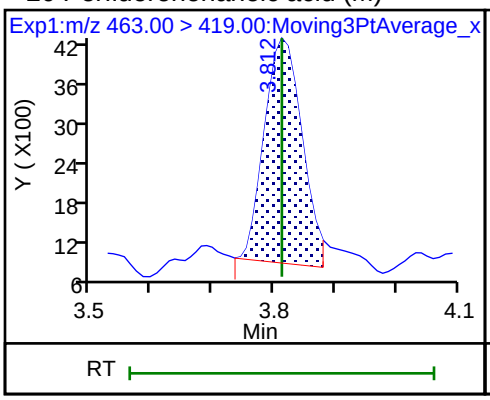
17 Perfluorooctanesulfonic acid (M)



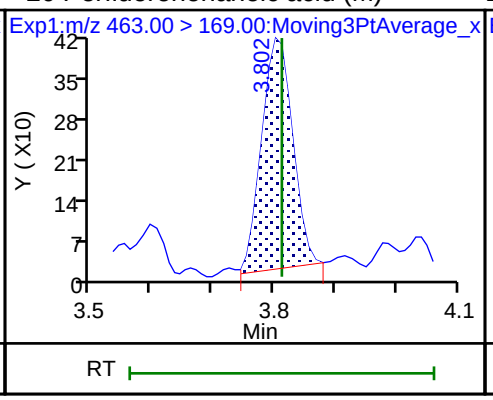
D 18 13C4 PFOS



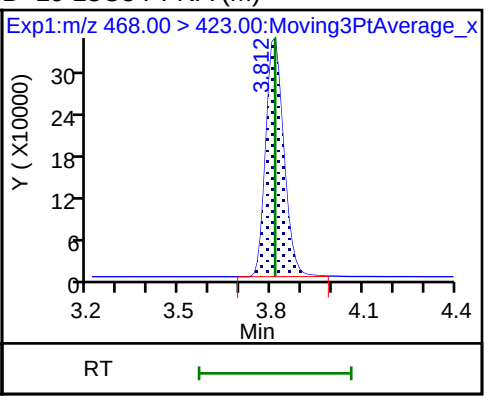
20 Perfluorononanoic acid (M)



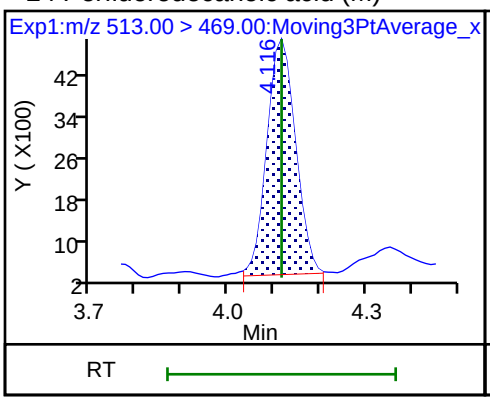
20 Perfluorononanoic acid (M)



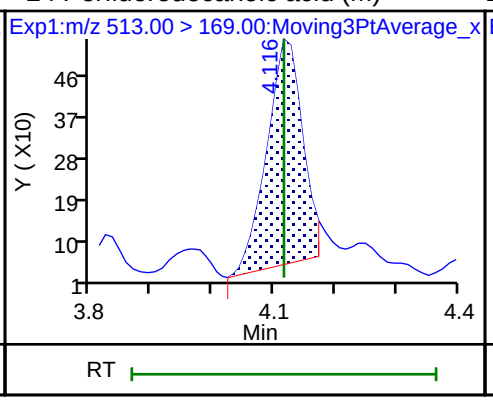
D 19 13C5 PFNA (M)



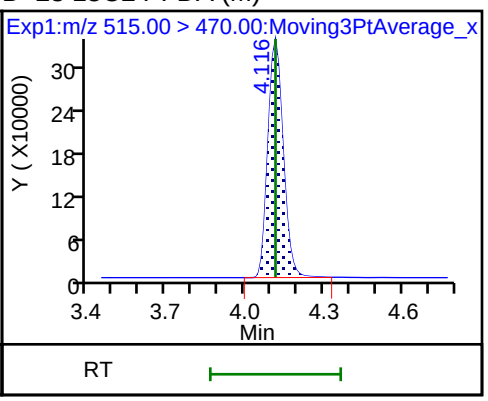
24 Perfluorodecanoic acid (M)



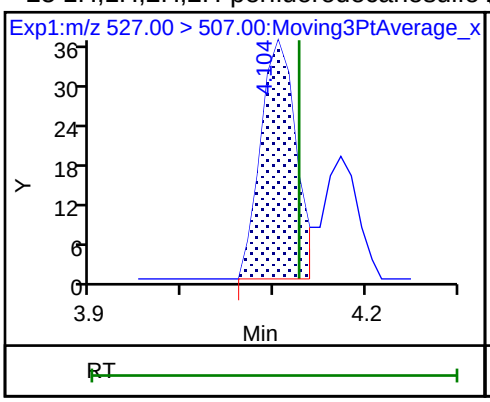
24 Perfluorodecanoic acid (M)



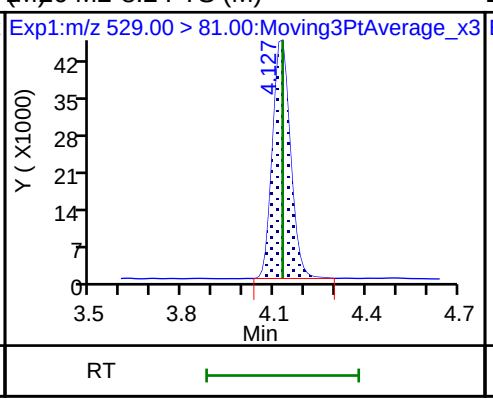
D 23 13C2 PFDA (M)



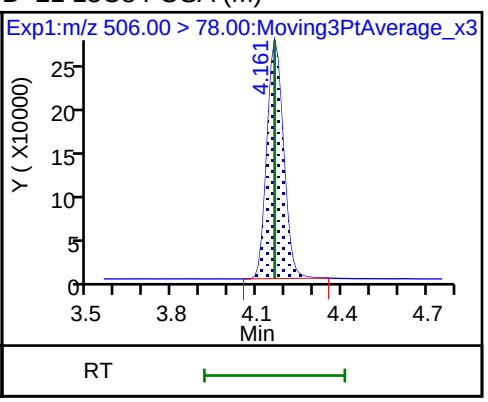
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



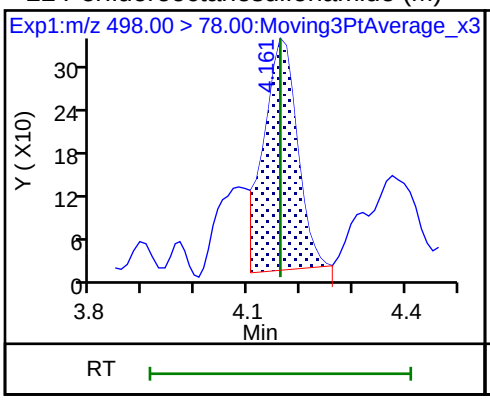
D 26 M2-8:2 FTS (M)



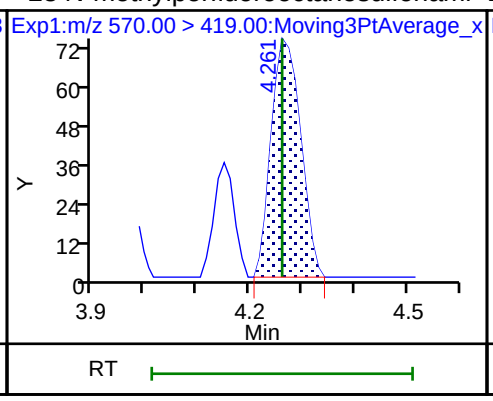
D 21 13C8 FOSA (M)



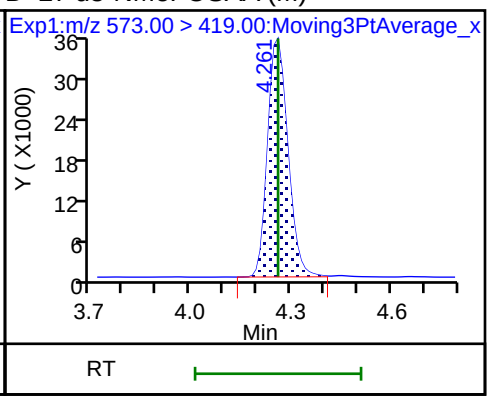
22 Perfluorooctanesulfonamide (M)



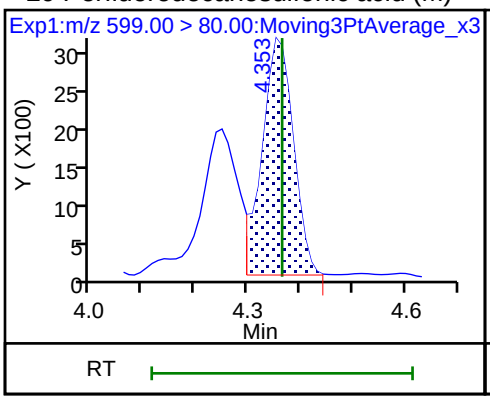
28 N-methylperfluorooctanesulfonami



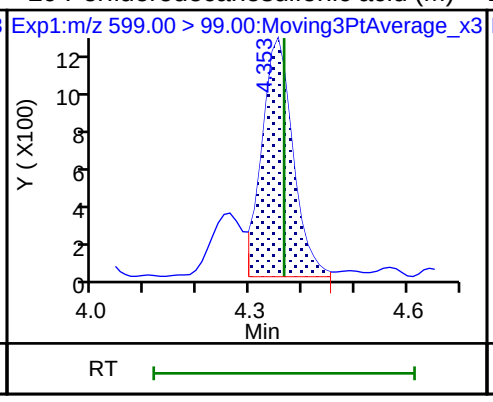
D 27 d3-NMeFOSAA (M)



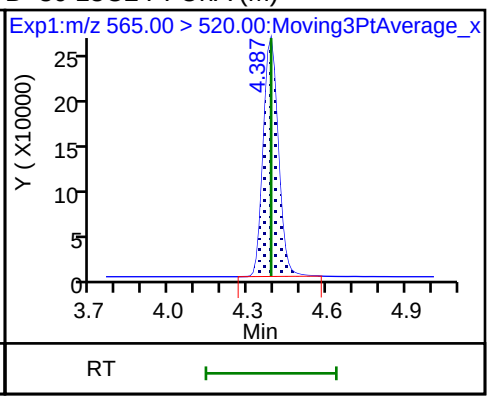
29 Perfluorodecanesulfonic acid (M)



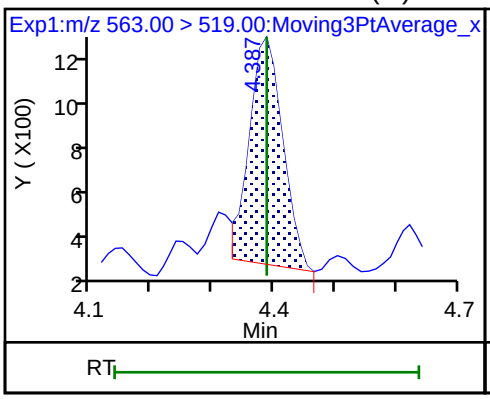
29 Perfluorodecanesulfonic acid (M)



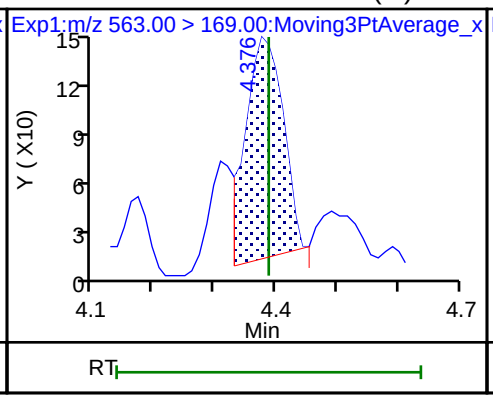
D 30 13C2 PFUnA (M)



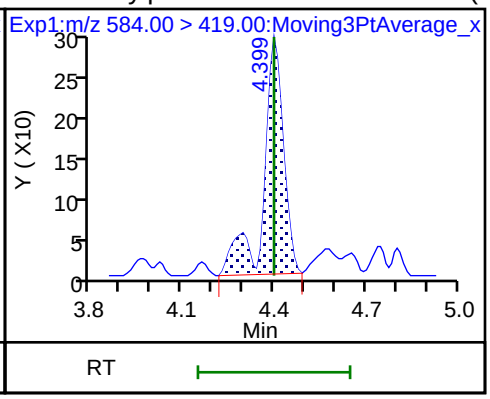
31 Perfluoroundecanoic acid (M)



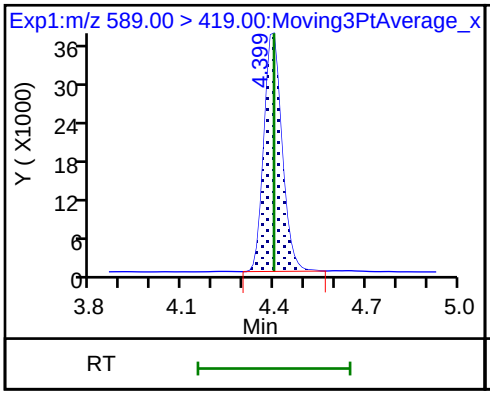
31 Perfluoroundecanoic acid (M)



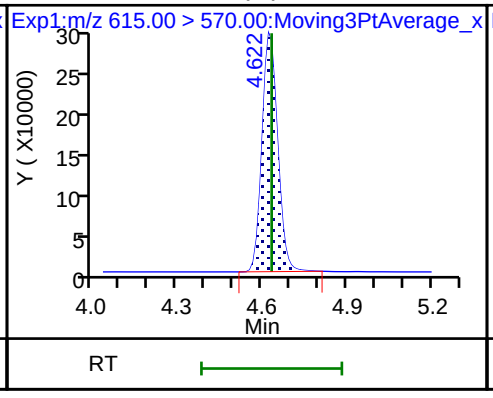
33 N-ethylperfluorooctanesulfonamid (M)



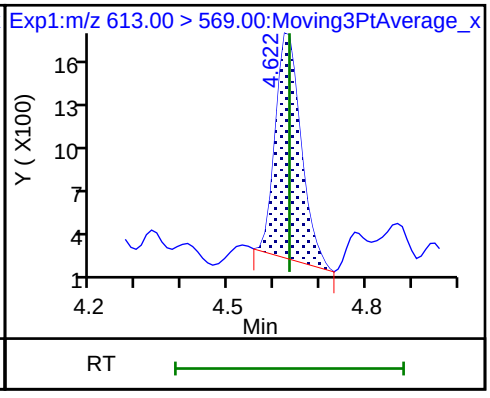
D 32 d5-NEtFOSAA



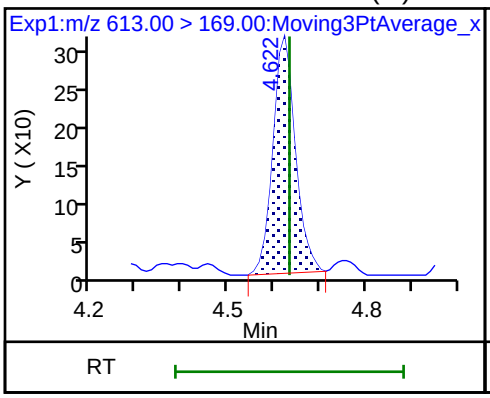
D 36 13C2 PFDoA (M)



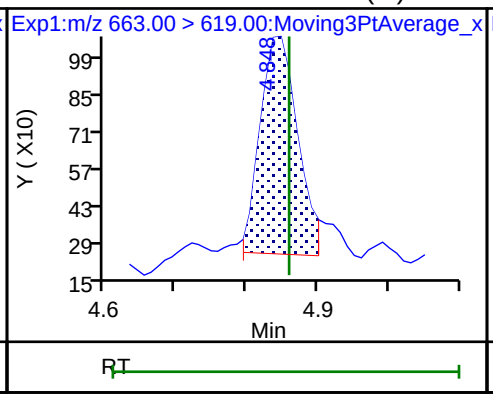
37 Perfluorododecanoic acid



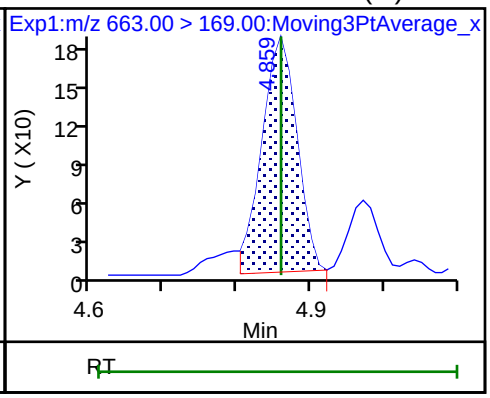
37 Perfluorododecanoic acid (M)



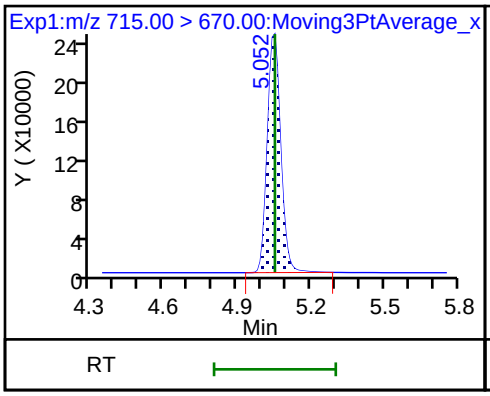
41 Perfluorotridecanoic acid (M)



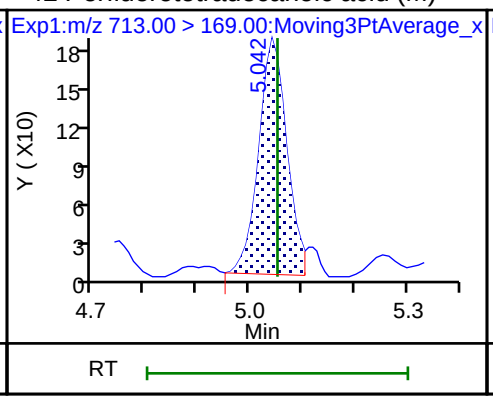
41 Perfluorotridecanoic acid (M)



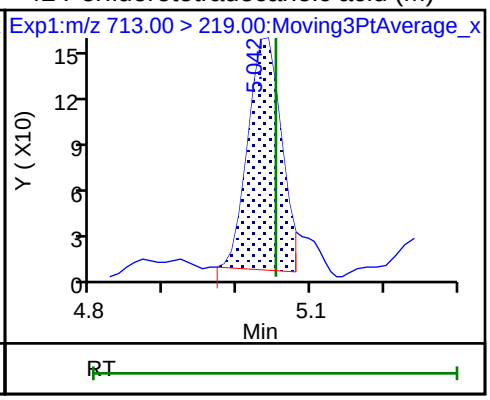
D 43 13C2 PFTeDA



42 Perfluorotetradecanoic acid (M)



42 Perfluorotetradecanoic acid (M)



Manual Integration/User Assign Peak Report

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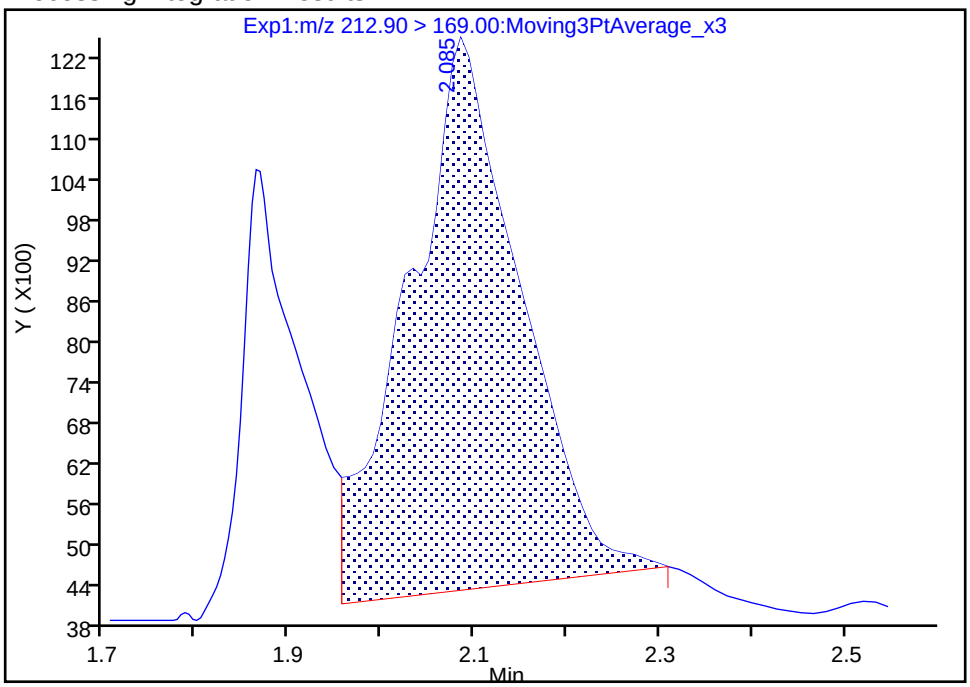
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Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
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

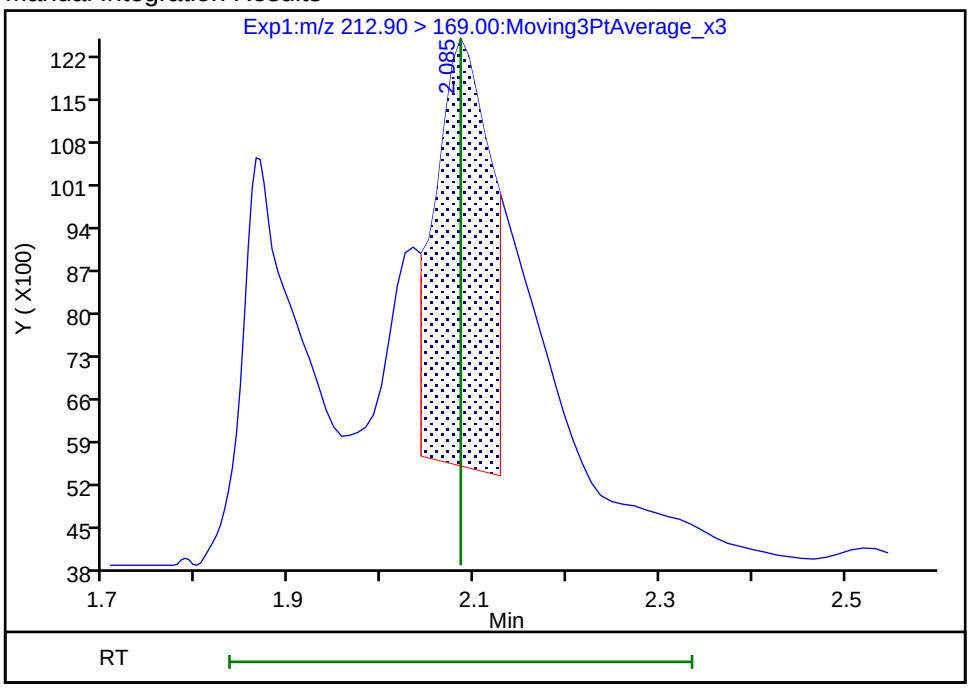
Processing Integration Results

RT: 2.08
Area: 68726
Amount: 0.052055
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 27999
Amount: 0.021207
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:26:28

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

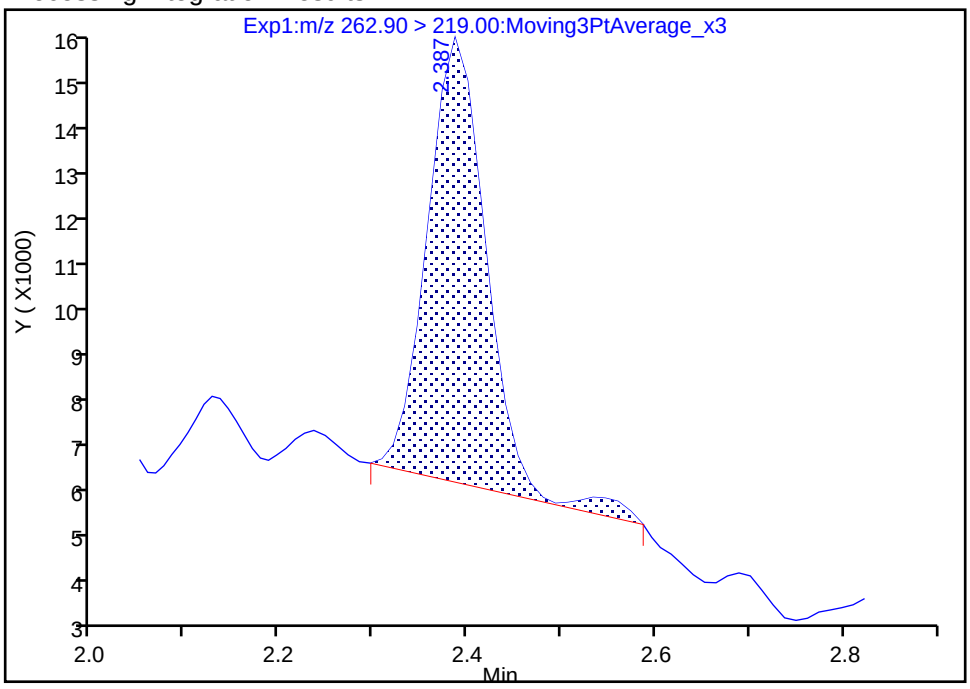
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Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
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

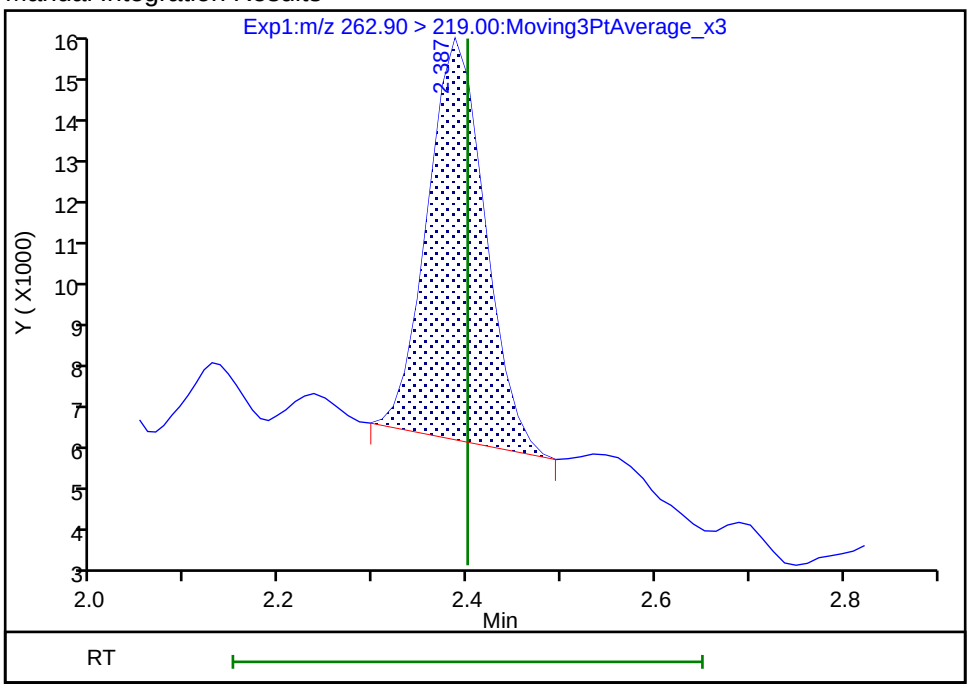
Processing Integration Results

RT: 2.39
Area: 38603
Amount: 0.034622
Amount Units: ng/ml



Manual Integration Results

RT: 2.39
Area: 37232
Amount: 0.033392
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:26:33

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

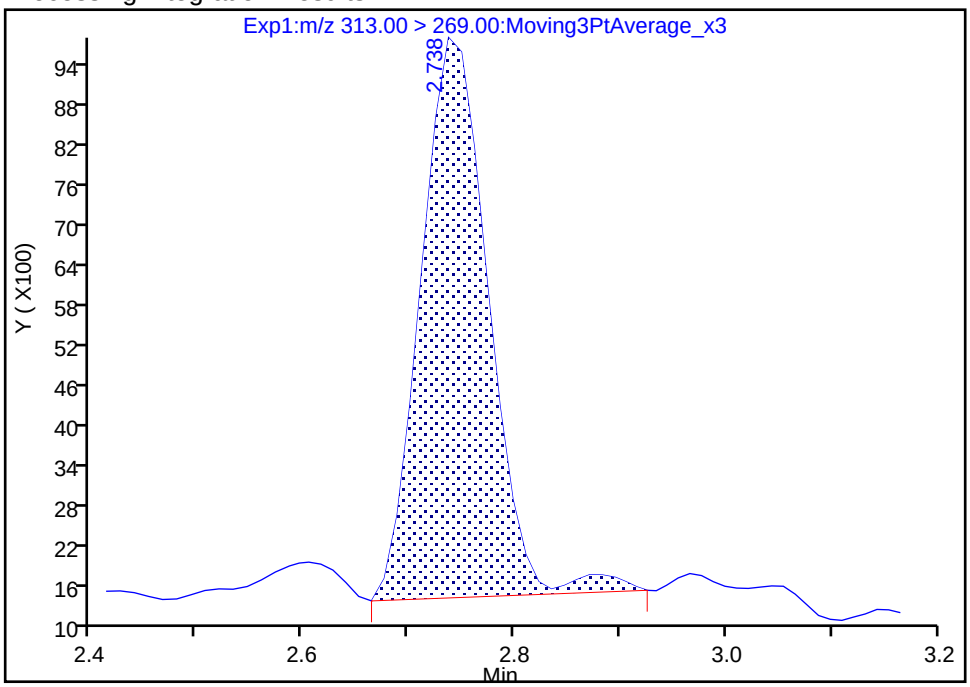
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Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

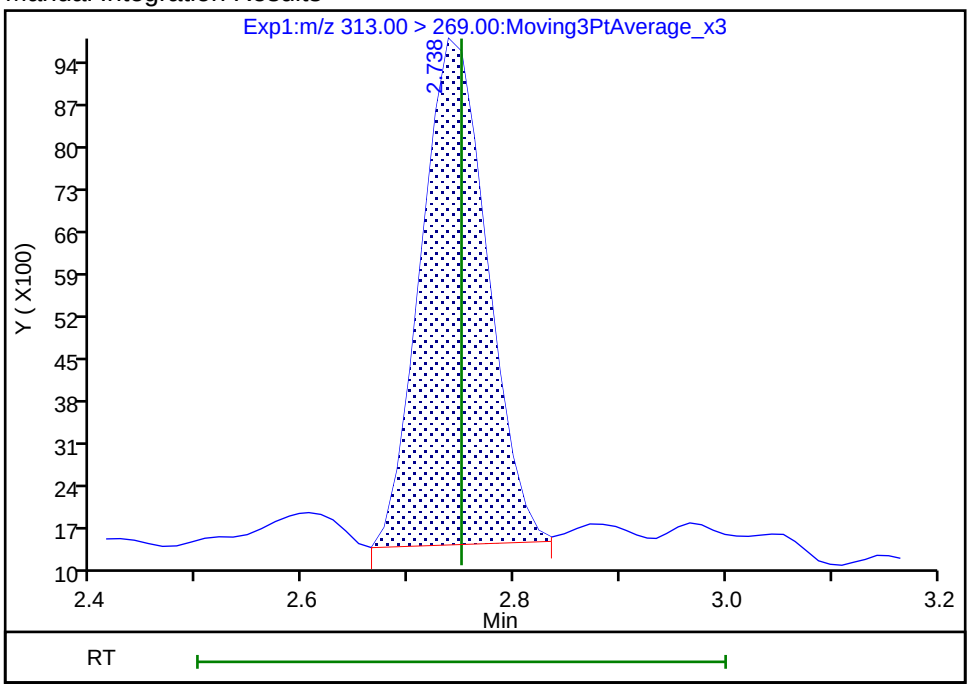
Processing Integration Results

RT: 2.74
Area: 36910
Amount: 0.034669
Amount Units: ng/ml



Manual Integration Results

RT: 2.74
Area: 36023
Amount: 0.033835
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:26:45

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

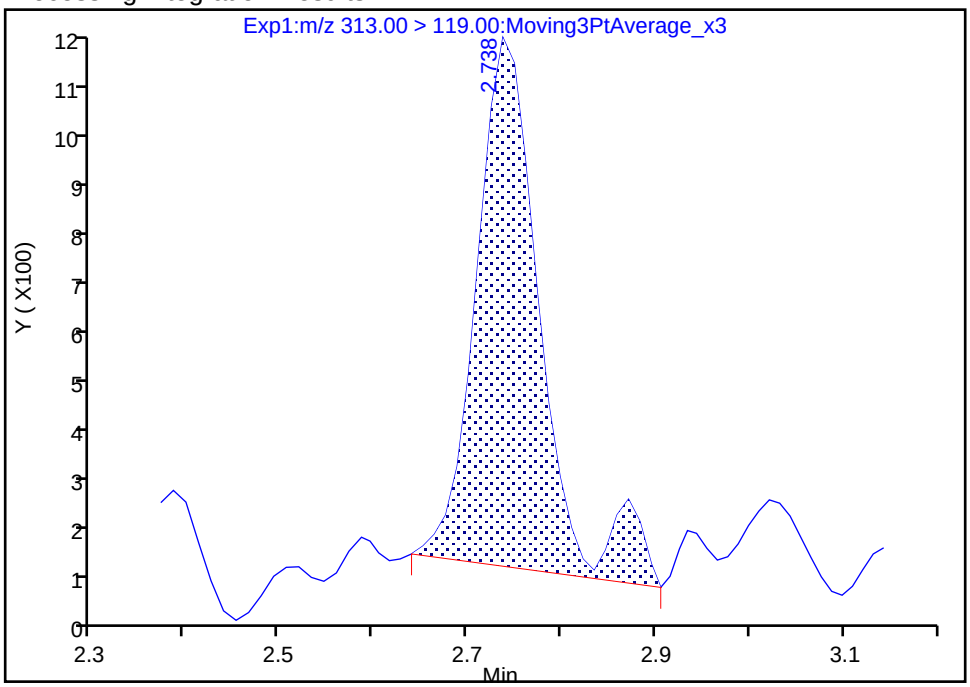
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Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

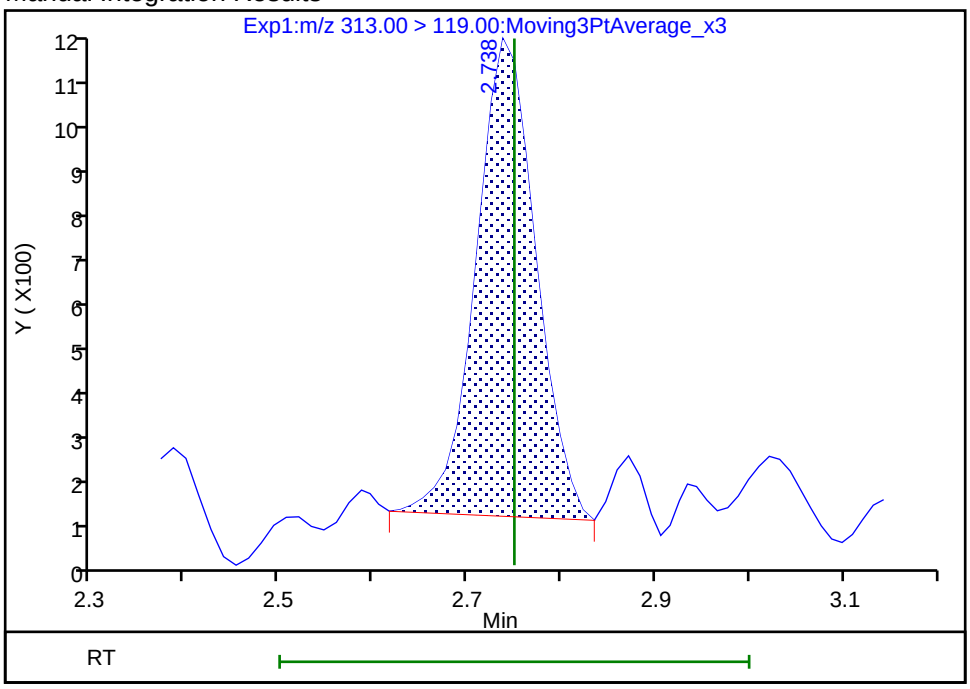
Processing Integration Results

RT: 2.74
Area: 4534
Amount: 0.034669
Amount Units: ng/ml



Manual Integration Results

RT: 2.74
Area: 4192
Amount: 0.033835
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:26:54
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

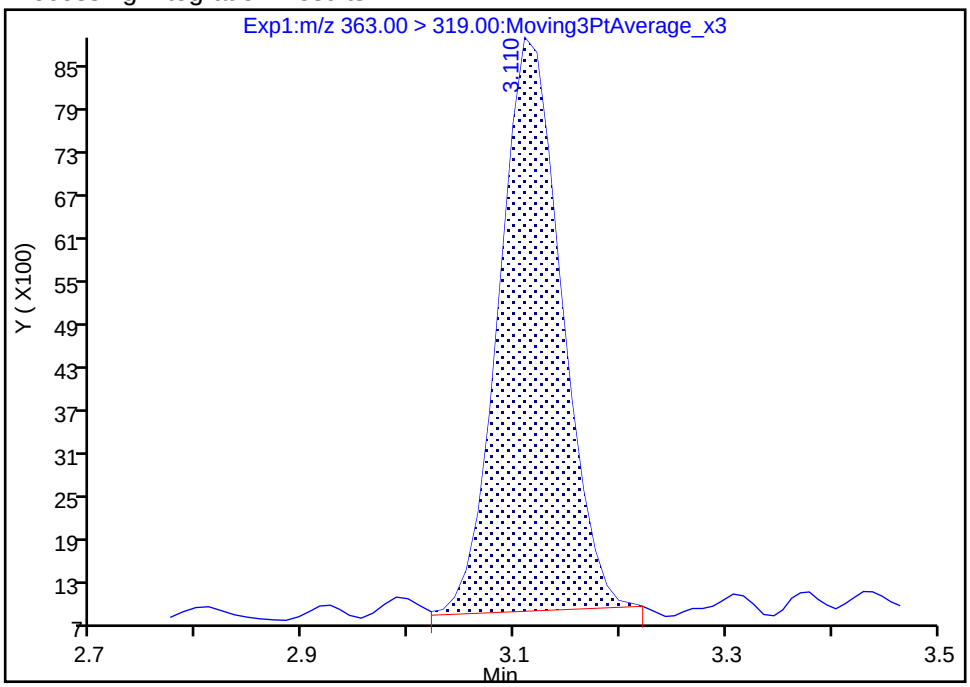
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Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
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

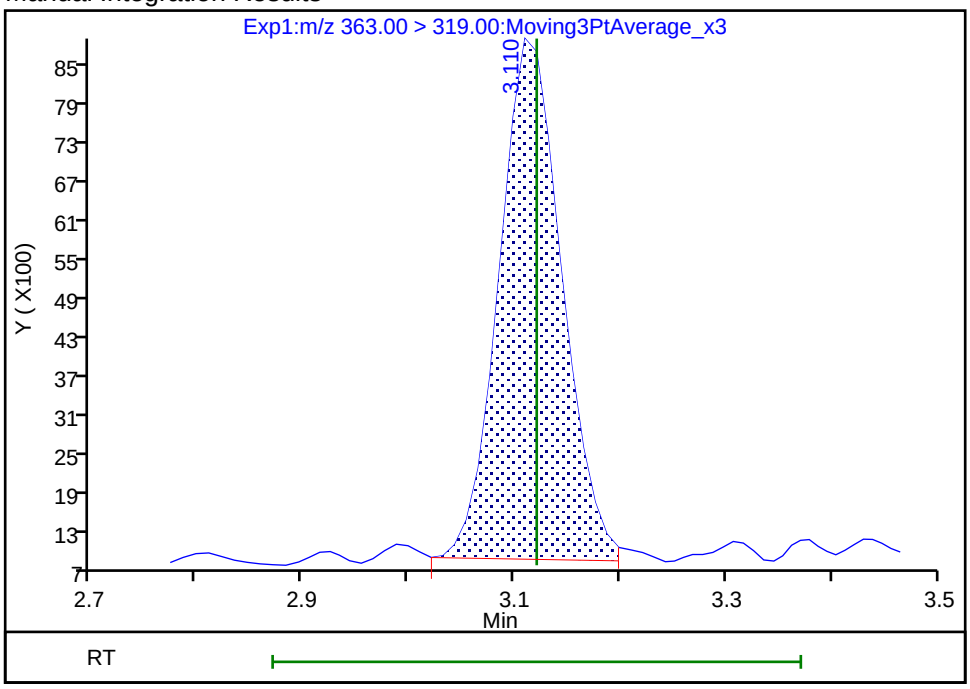
Processing Integration Results

RT: 3.11
Area: 32456
Amount: 0.029760
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 32744
Amount: 0.030024
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:27:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

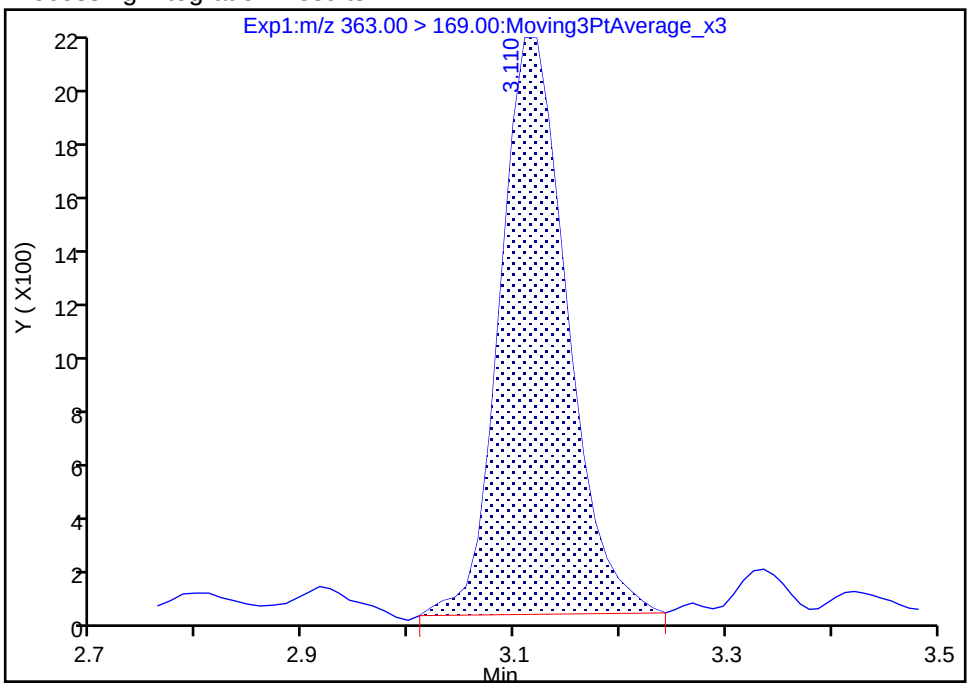
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Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
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

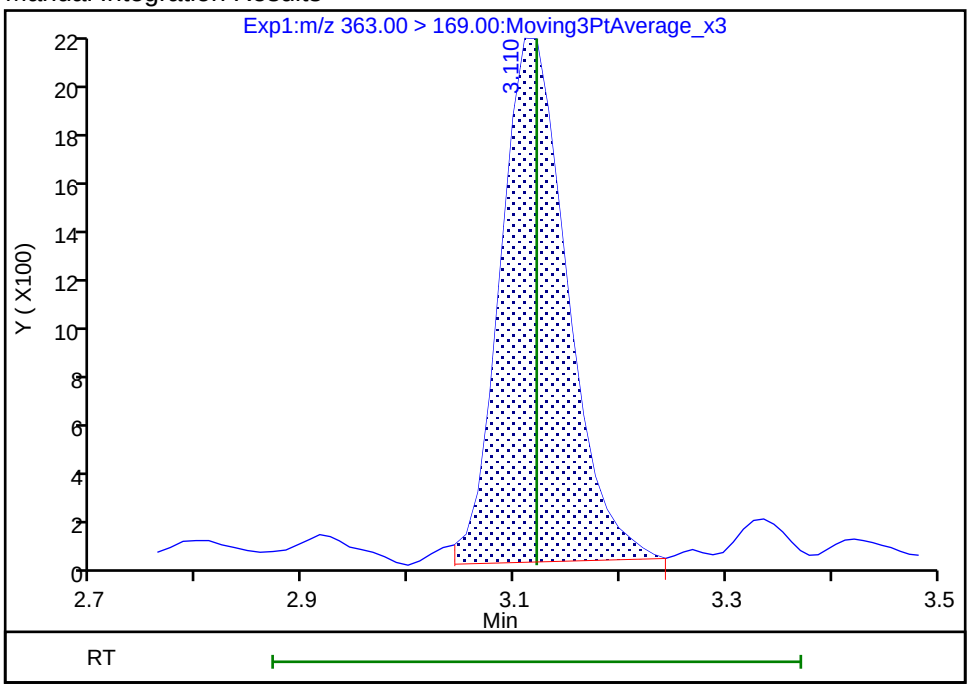
Processing Integration Results

RT: 3.11
Area: 9254
Amount: 0.029760
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 9265
Amount: 0.030024
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:27:23

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

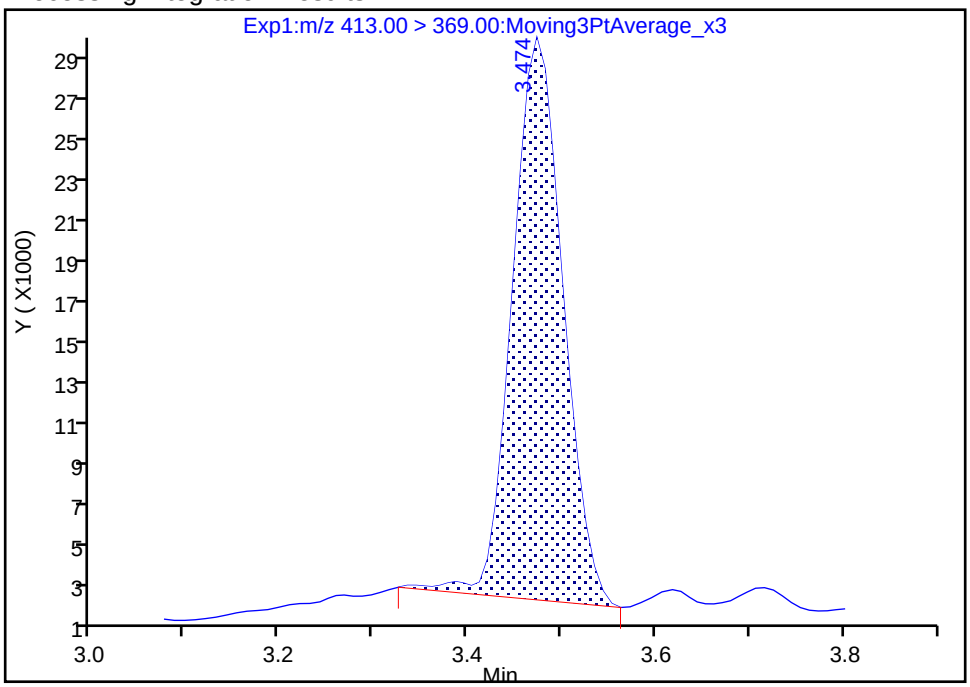
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	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

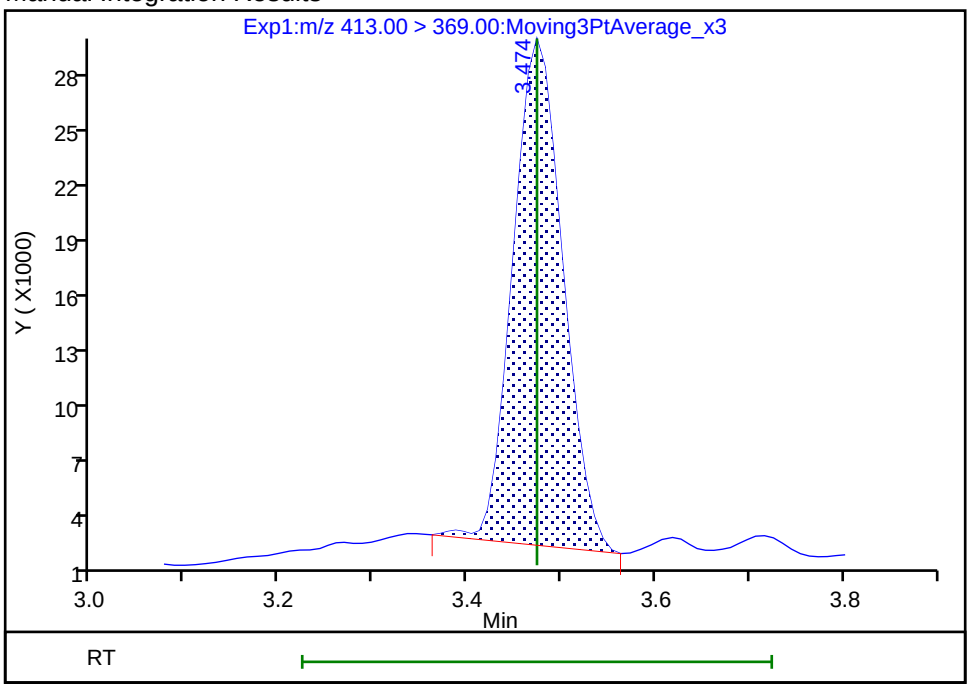
Processing Integration Results

RT: 3.47
Area: 101294
Amount: 0.082453
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 99956
Amount: 0.081364
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:28:30

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

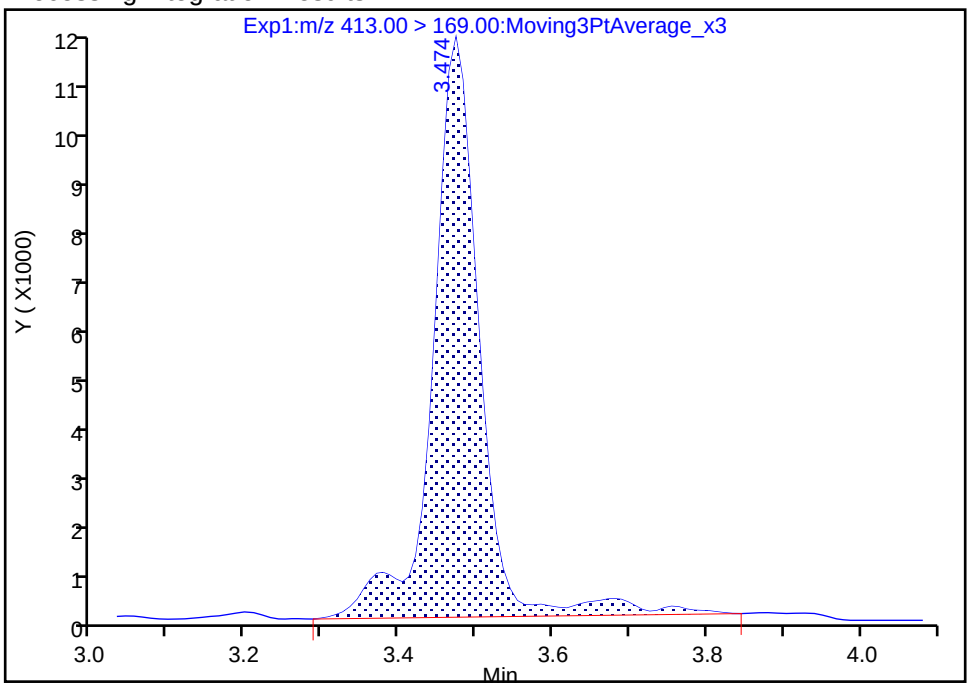
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	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

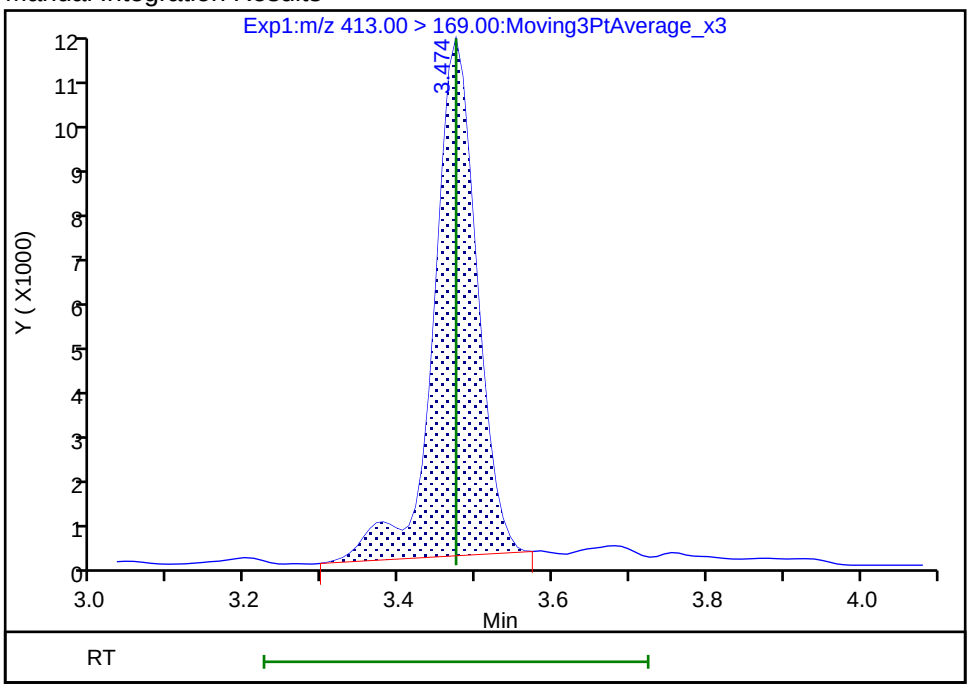
Processing Integration Results

RT: 3.47
Area: 47054
Amount: 0.082453
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 42703
Amount: 0.081364
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:28:33
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

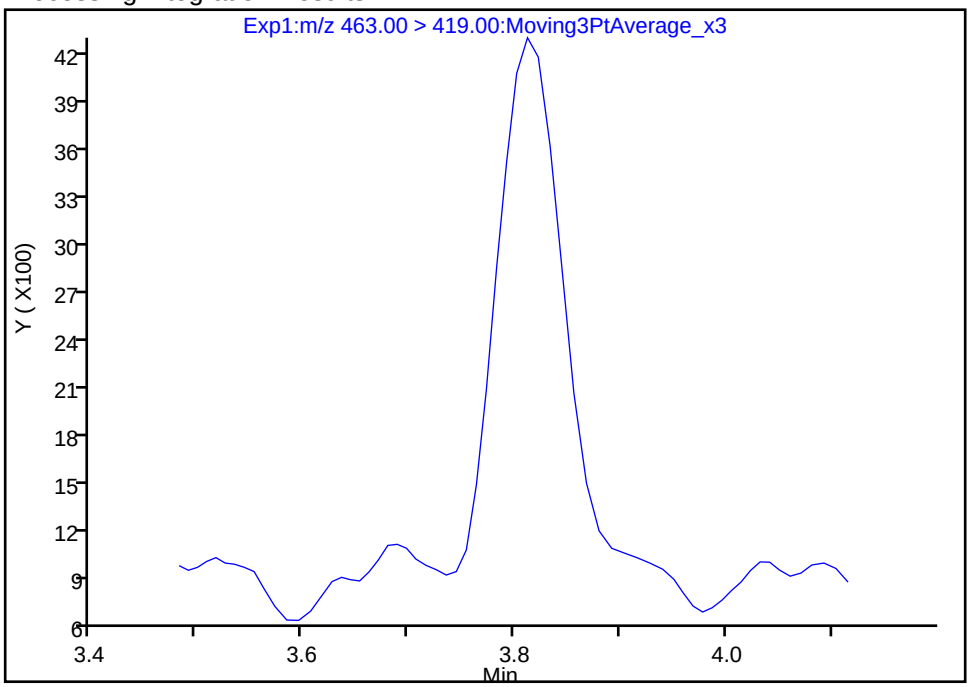
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	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

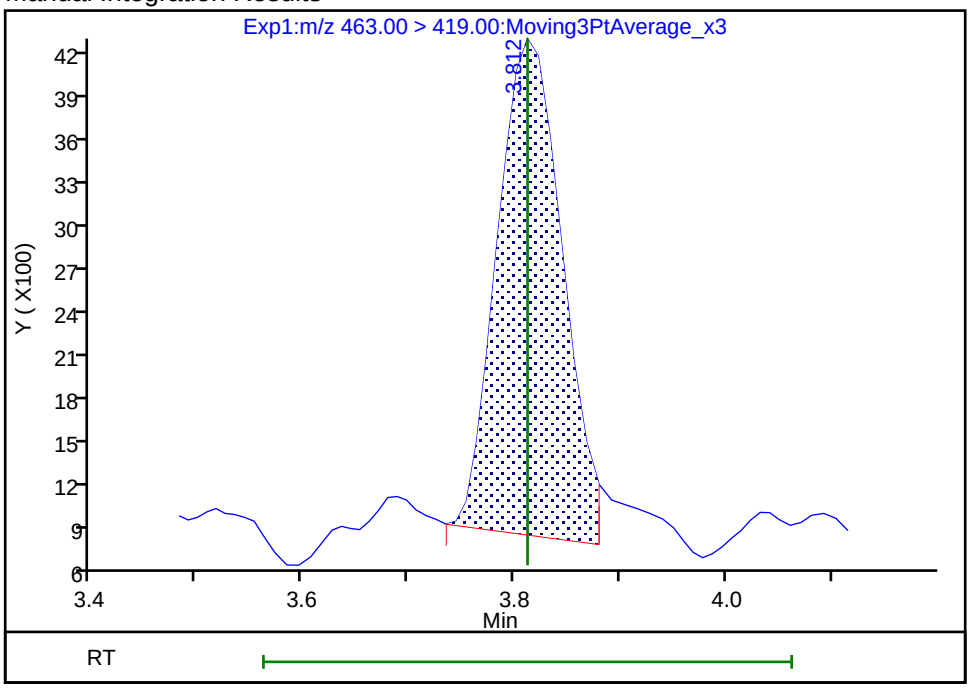
Not Detected
Expected RT: 3.81

Processing Integration Results



Manual Integration Results

RT: 3.81
Area: 14288
Amount: 0.012496
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:29:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

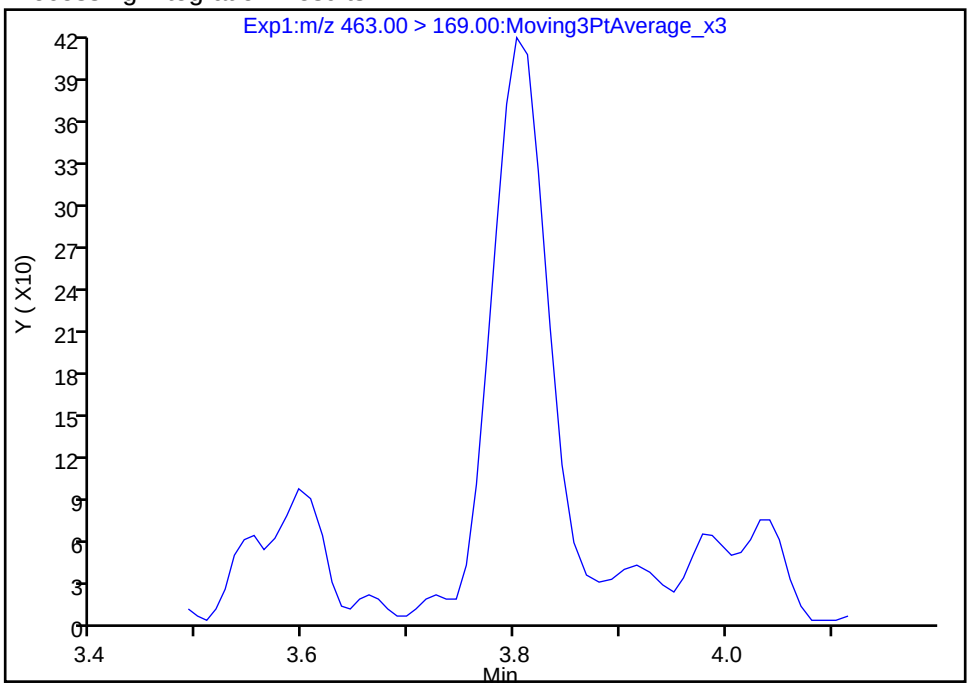
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	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

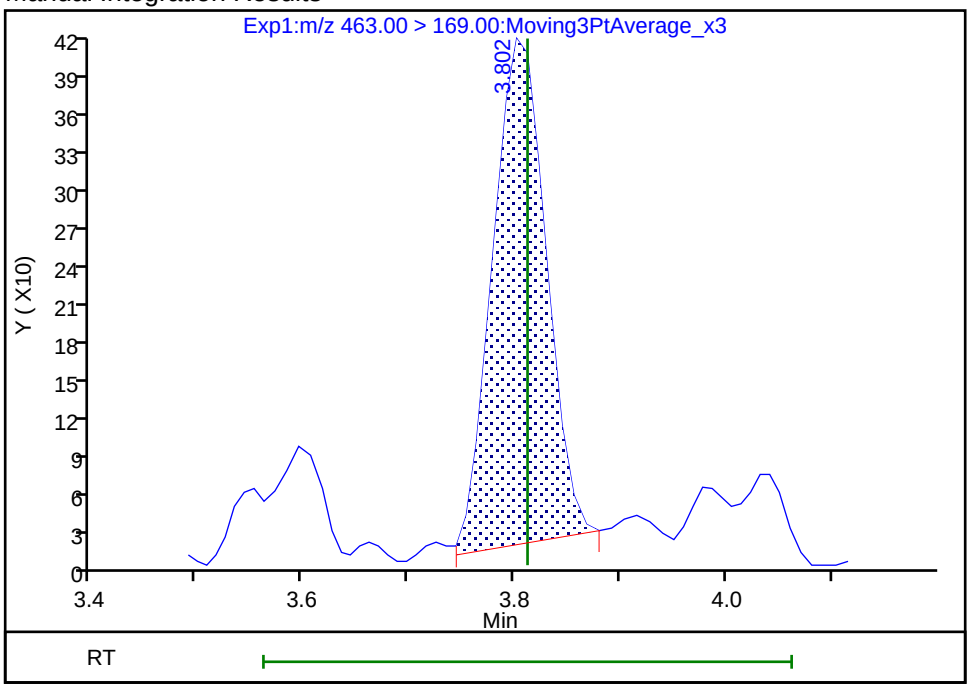
Not Detected
Expected RT: 3.81

Processing Integration Results



Manual Integration Results

RT: 3.80
Area: 1389
Amount: 0.012496
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:29:11
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

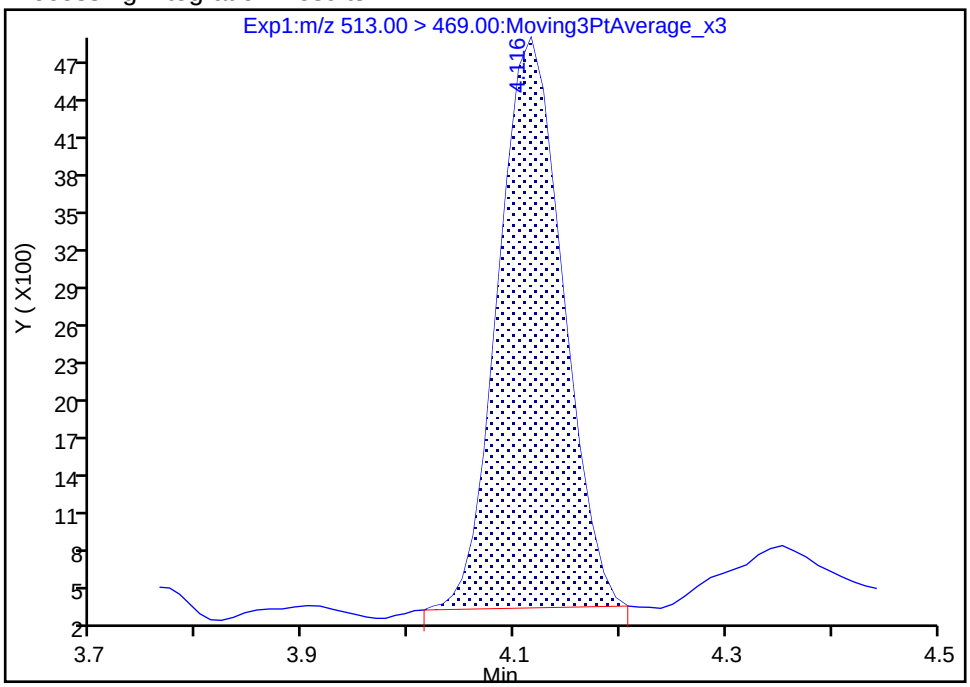
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	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

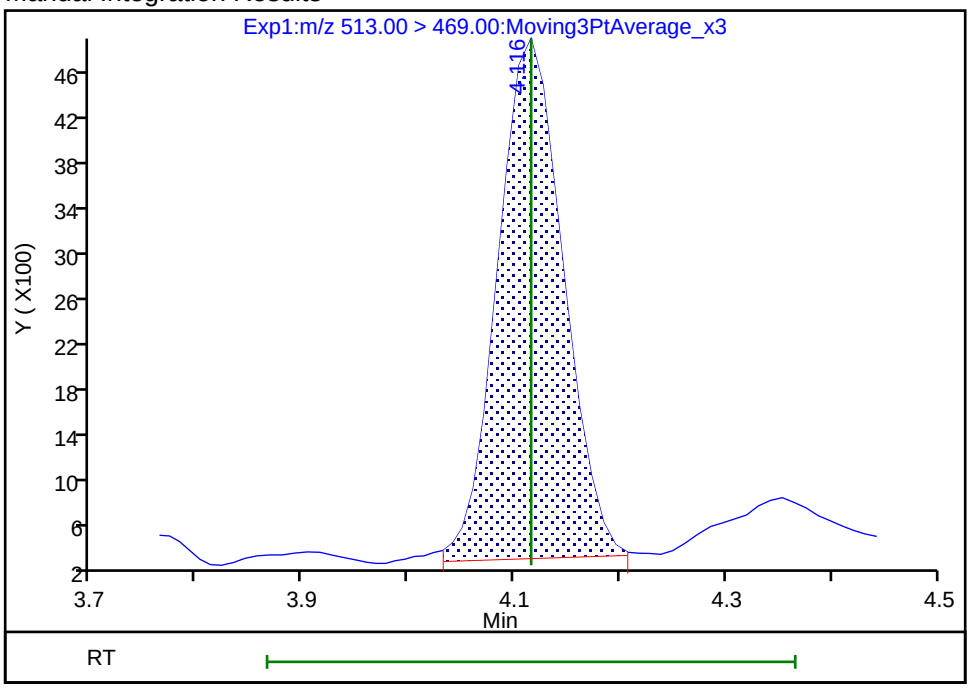
Processing Integration Results

RT: 4.12
Area: 18983
Amount: 0.016901
Amount Units: ng/ml



Manual Integration Results

RT: 4.12
Area: 19369
Amount: 0.017244
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:29:28
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

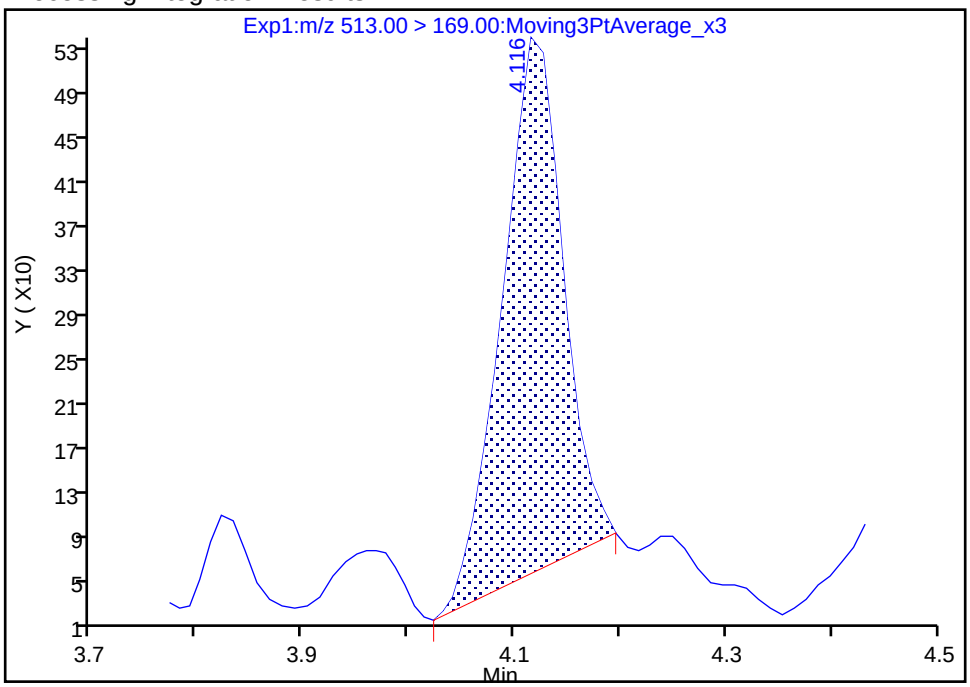
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	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

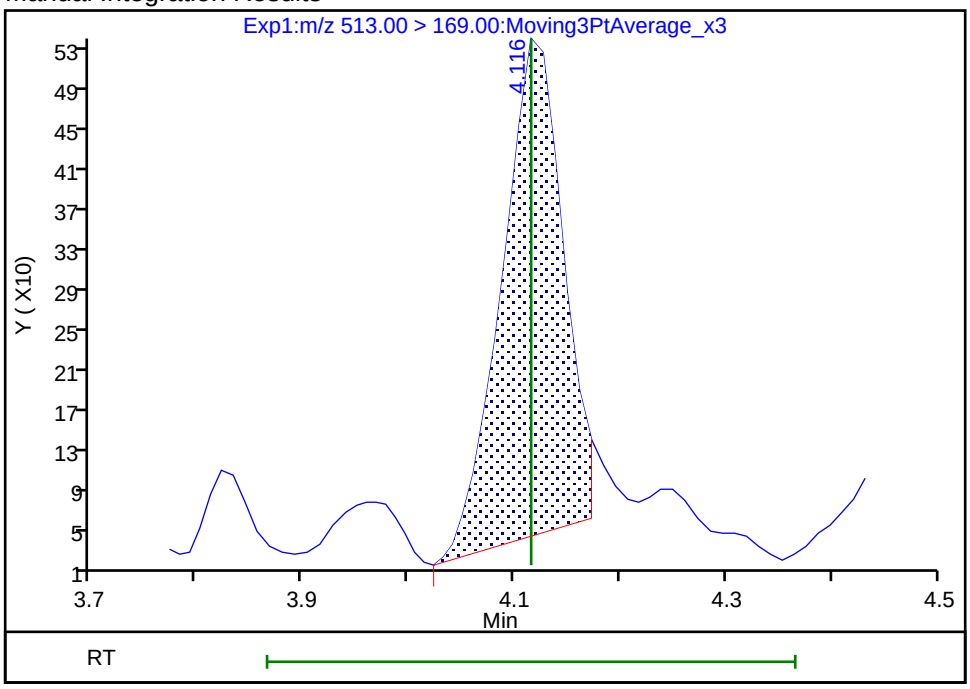
Processing Integration Results

RT: 4.12
Area: 1945
Amount: 0.016901
Amount Units: ng/ml



Manual Integration Results

RT: 4.12
Area: 2003
Amount: 0.017244
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:29:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

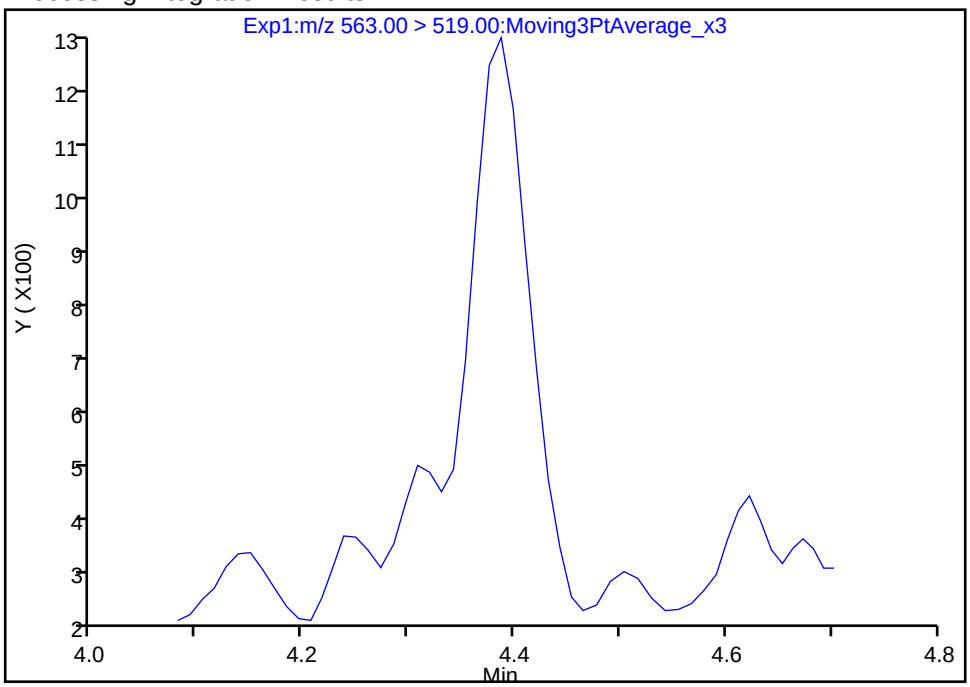
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	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

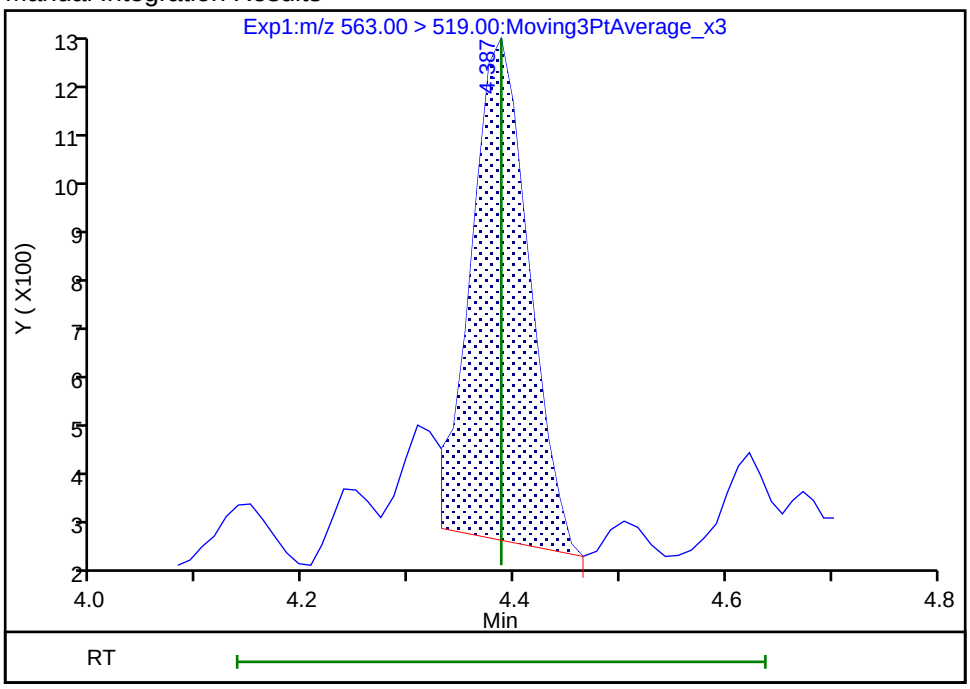
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.39
Area: 3650
Amount: 0.004129
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:30:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

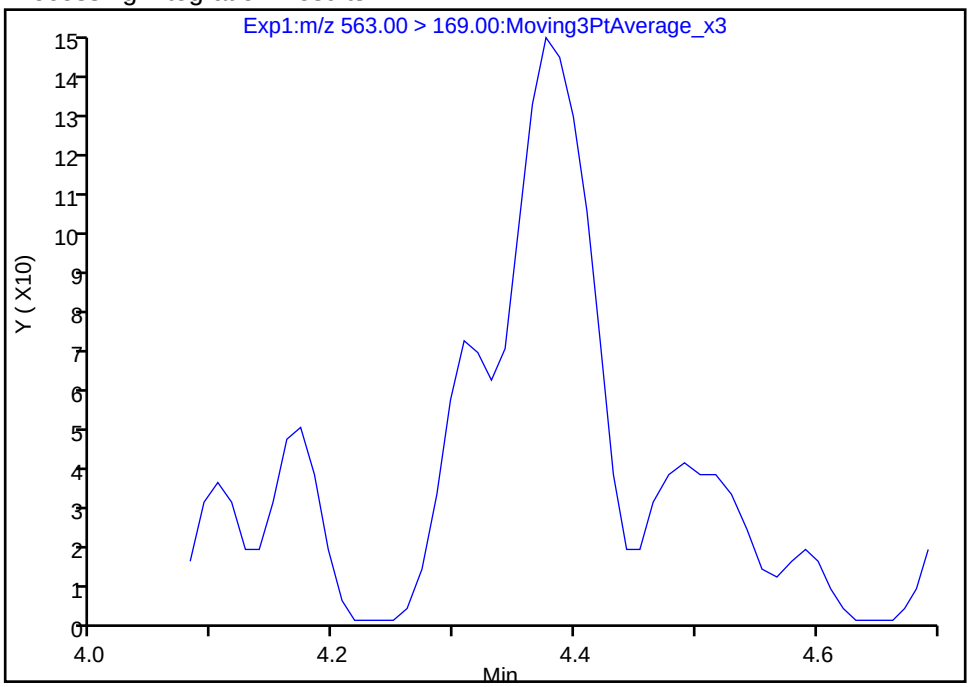
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	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

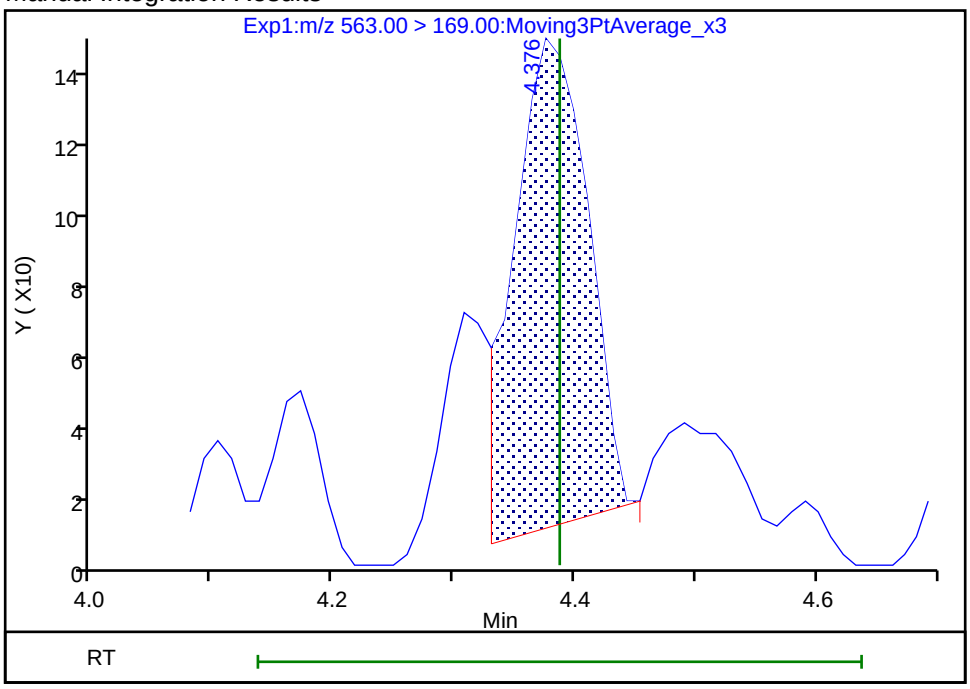
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.38
Area: 577
Amount: 0.004129
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:30:38
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

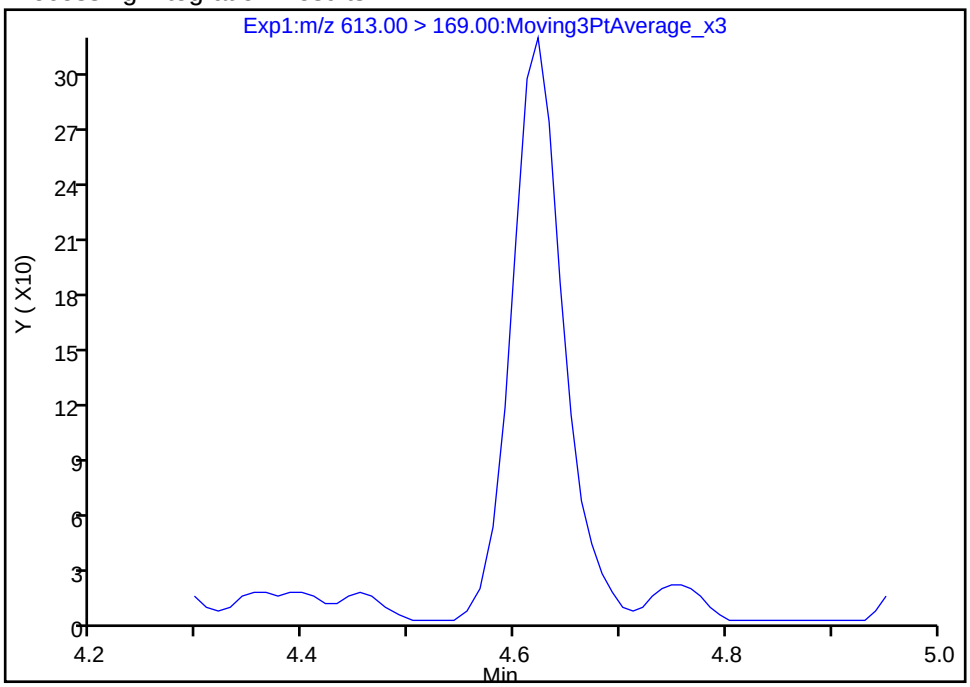
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	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

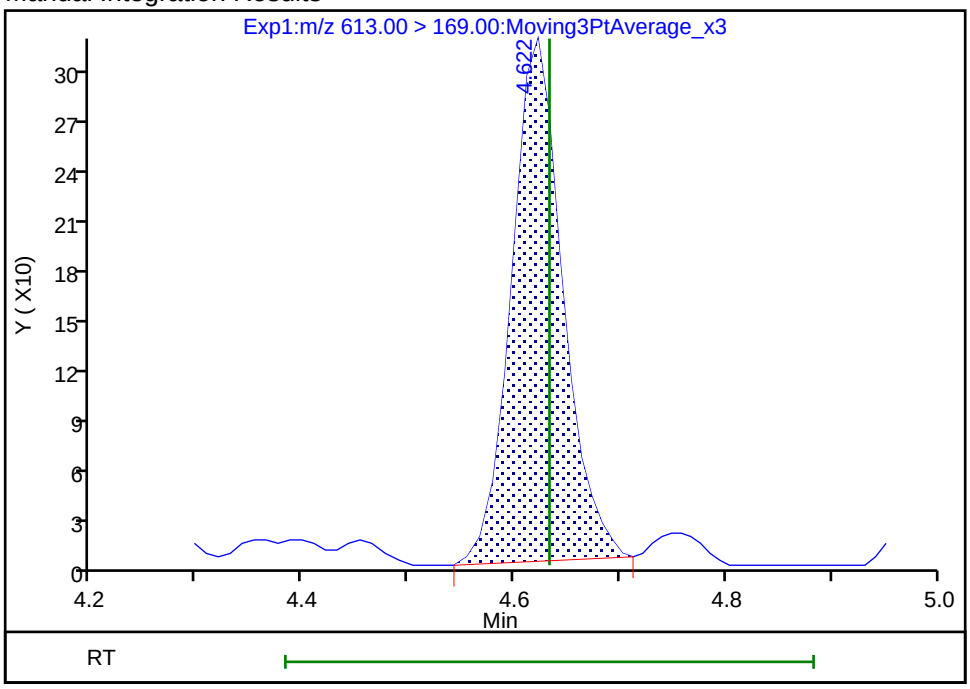
Not Detected
Expected RT: 4.63

Processing Integration Results



Manual Integration Results

RT: 4.62
Area: 1042
Amount: 0.006309
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:31:20
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

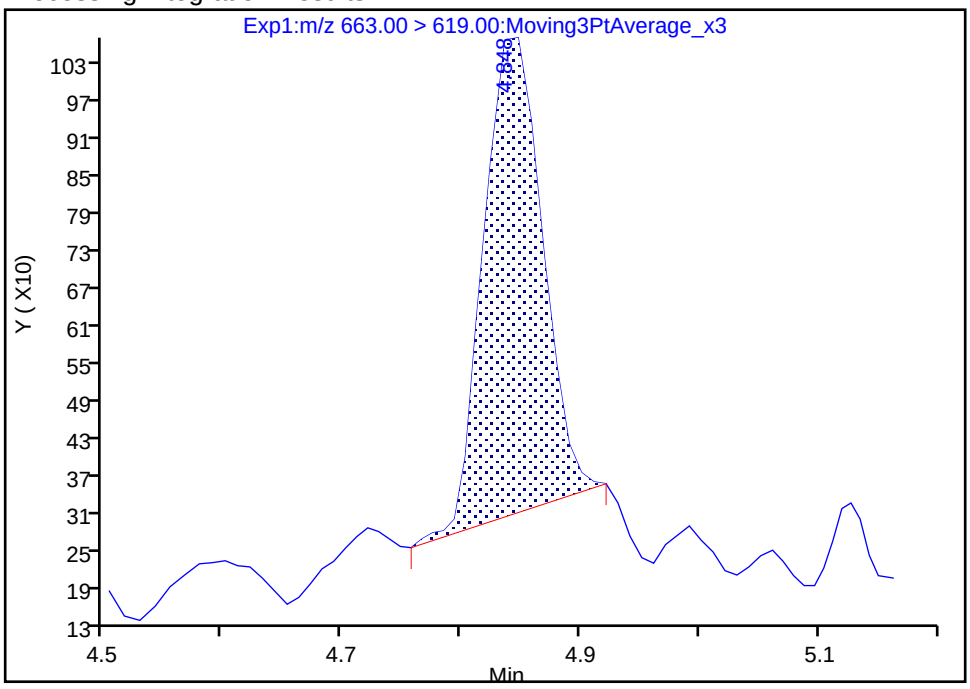
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	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

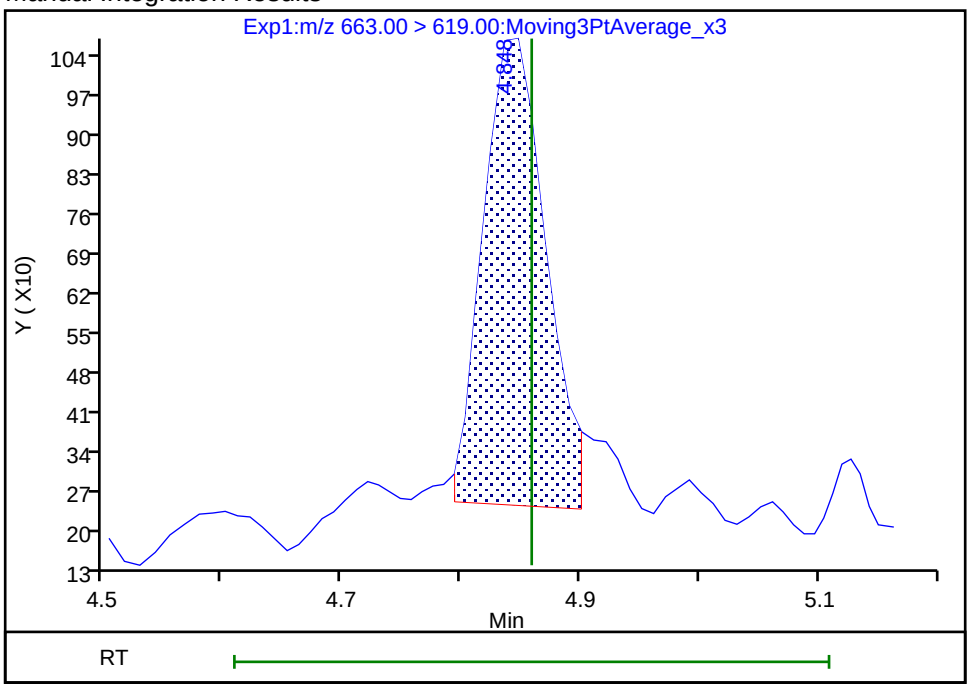
Processing Integration Results

RT: 4.85
Area: 2645
Amount: 0.003372
Amount Units: ng/ml



Manual Integration Results

RT: 4.85
Area: 3035
Amount: 0.003888
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:31:45

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

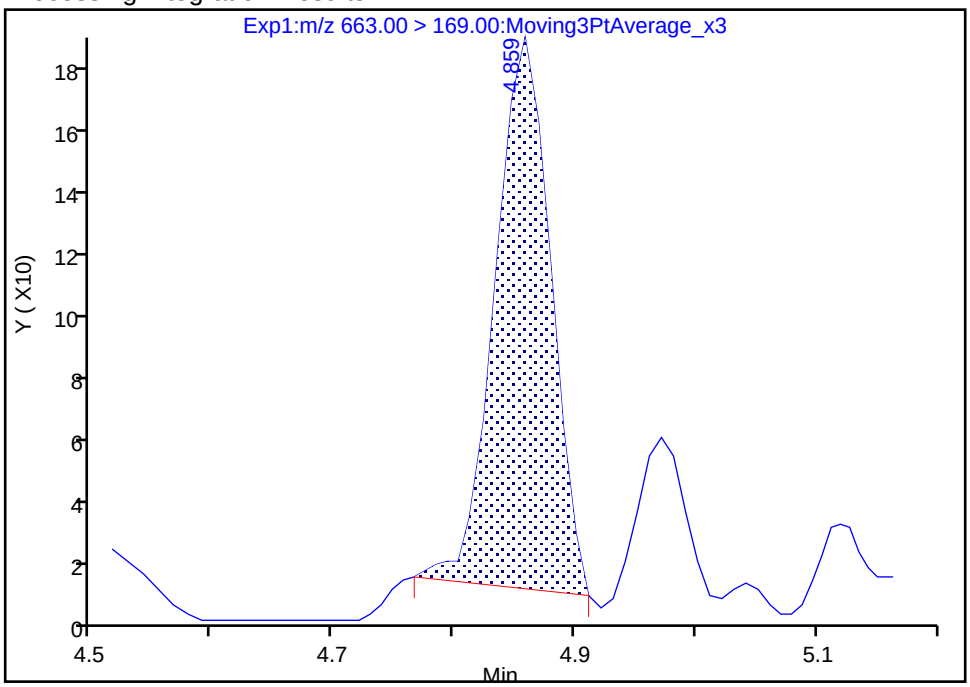
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	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

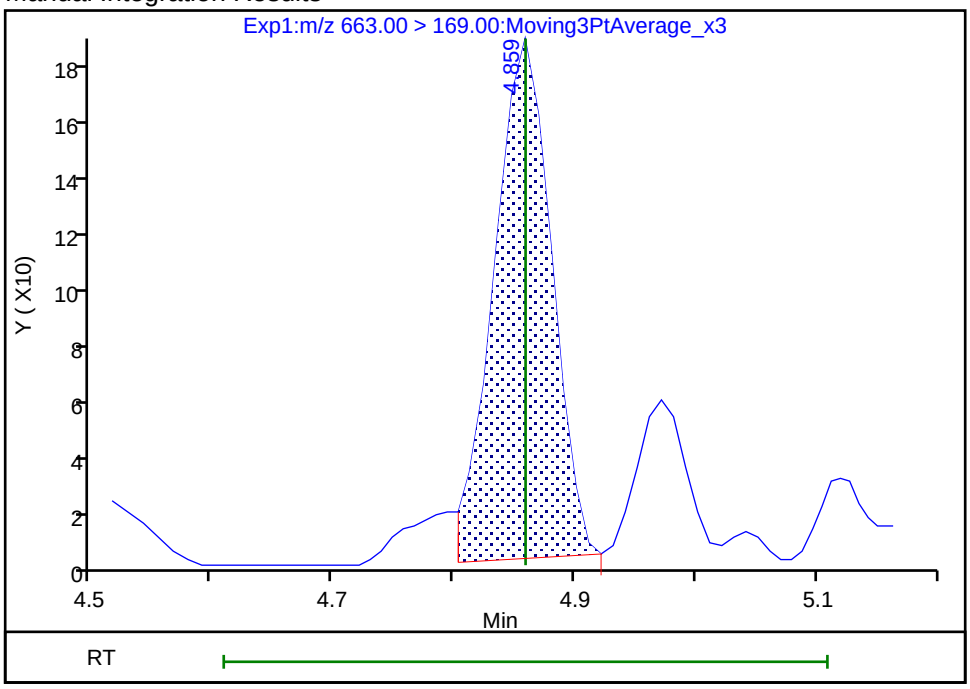
Processing Integration Results

RT: 4.86
Area: 569
Amount: 0.003372
Amount Units: ng/ml



Manual Integration Results

RT: 4.86
Area: 612
Amount: 0.003888
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:31:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

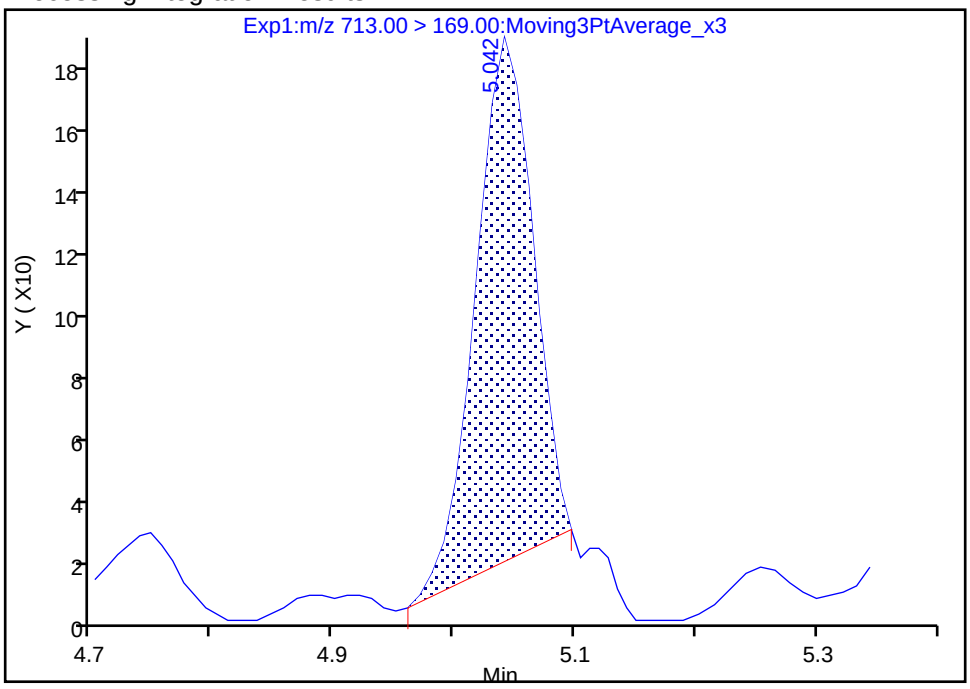
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

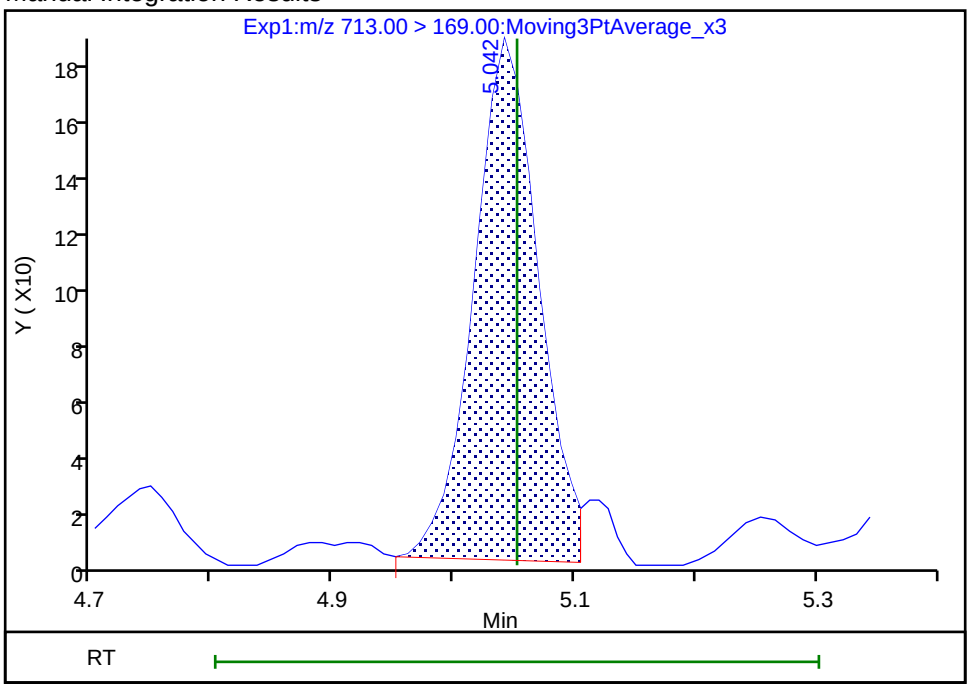
Processing Integration Results

RT: 5.04
Area: 553
Amount: 0.004637
Amount Units: ng/ml



Manual Integration Results

RT: 5.04
Area: 682
Amount: 0.005719
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:32:08

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

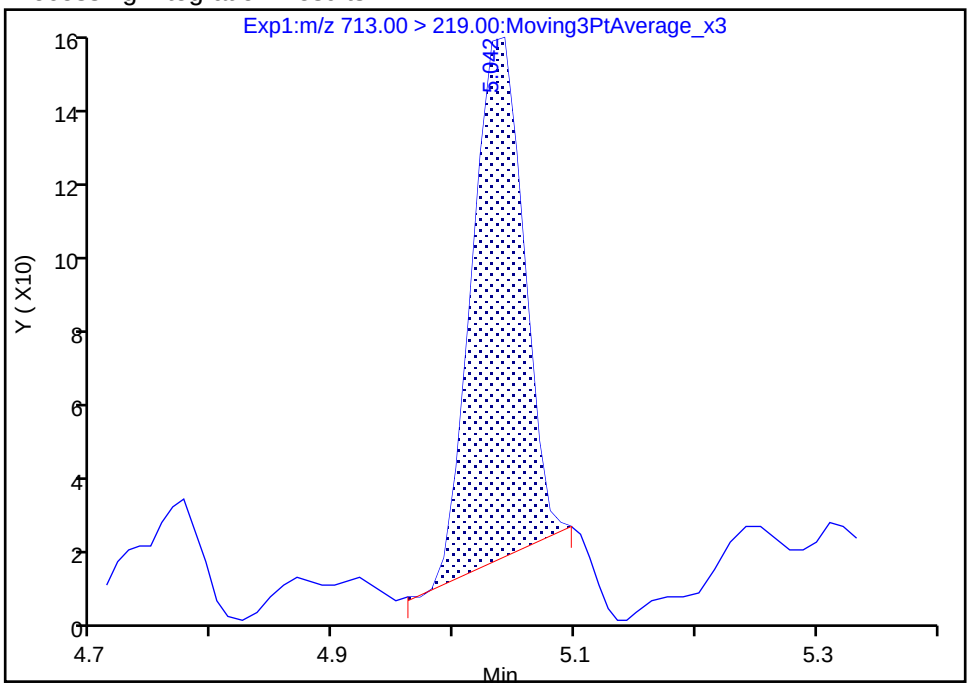
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	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

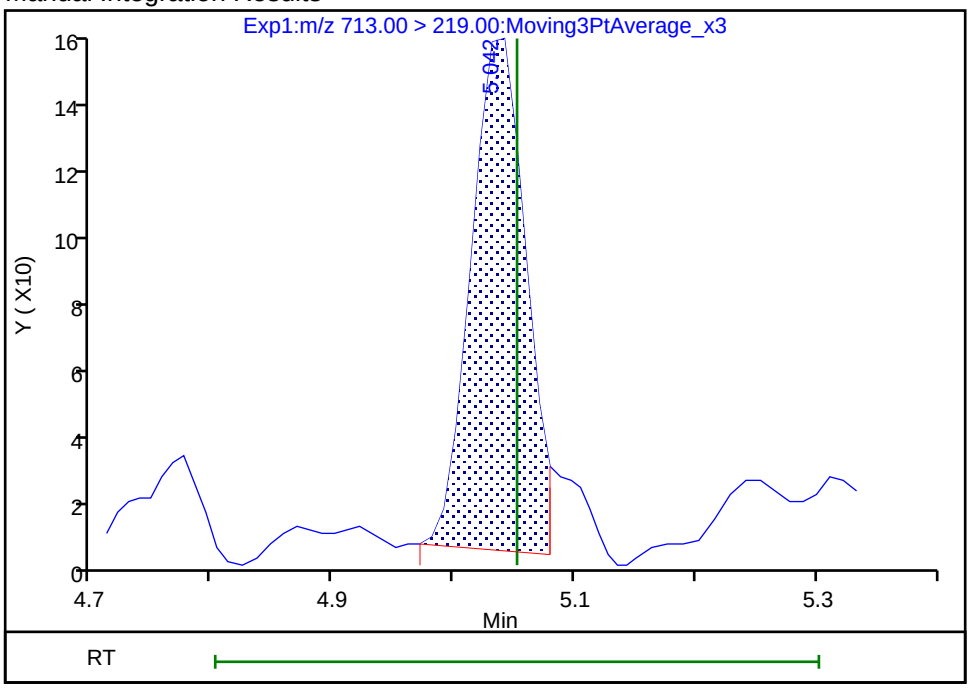
Processing Integration Results

RT: 5.04
Area: 396
Amount: 0.004637
Amount Units: ng/ml



Manual Integration Results

RT: 5.04
Area: 454
Amount: 0.005719
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:32:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

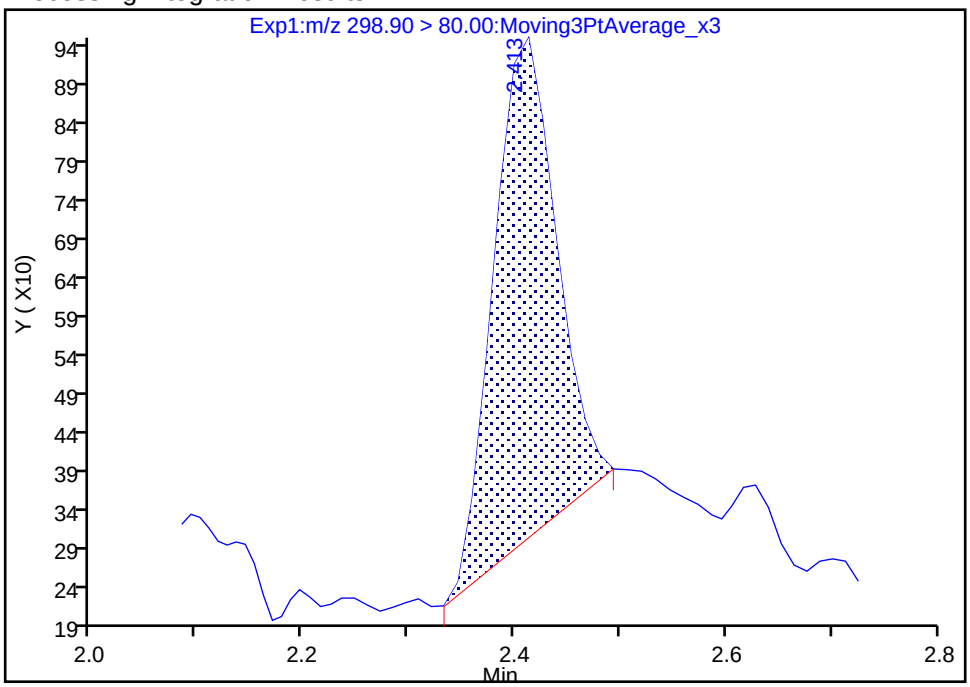
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	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

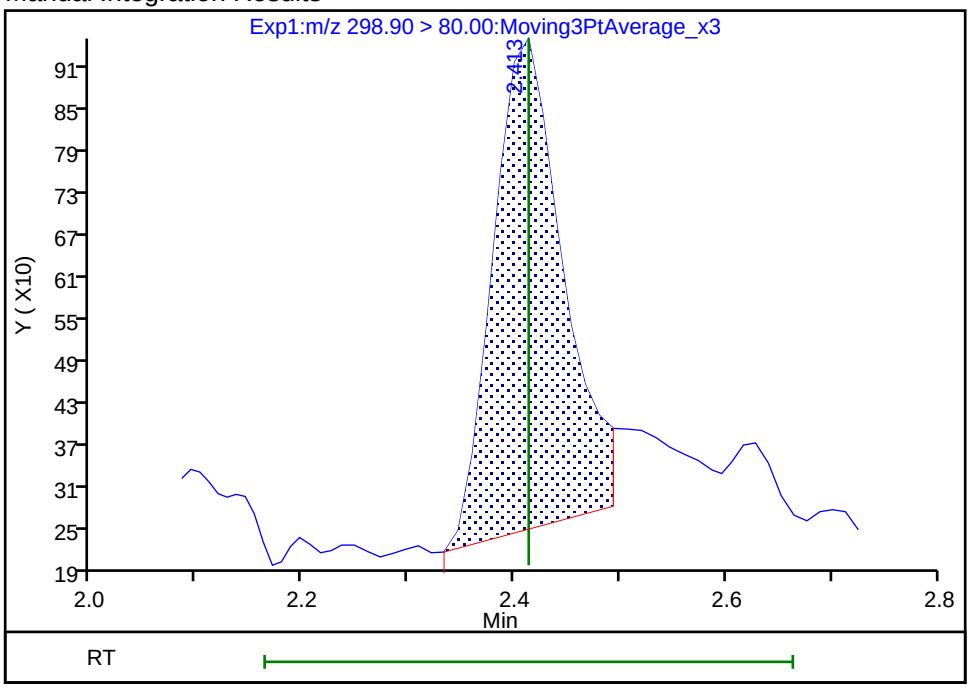
Processing Integration Results

RT: 2.41
Area: 2705
Amount: 0.002293
Amount Units: ng/ml



Manual Integration Results

RT: 2.41
Area: 3238
Amount: 0.002745
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:26:40

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

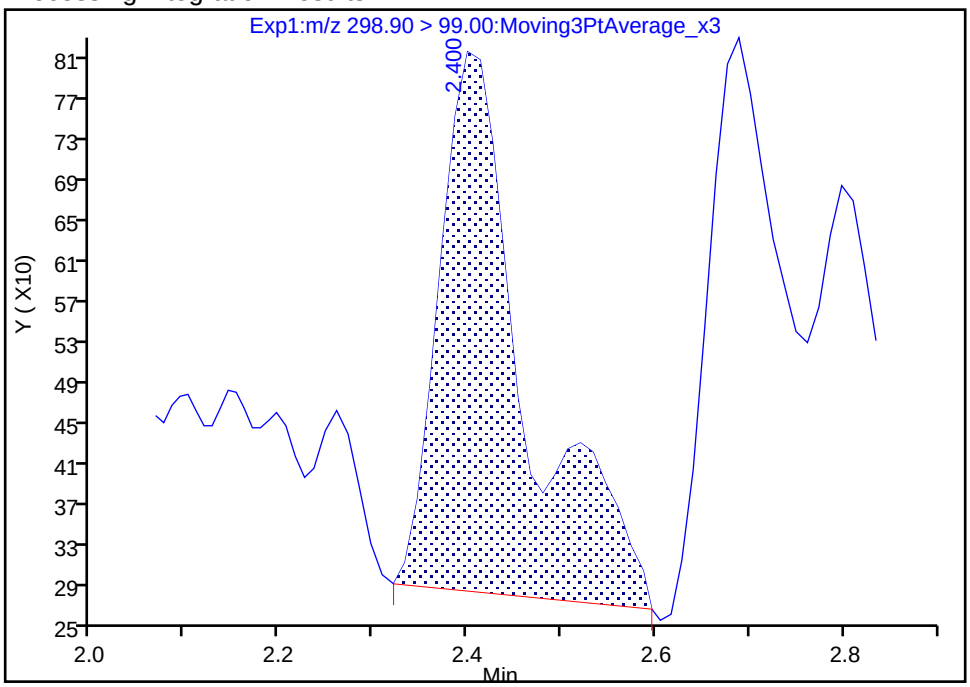
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	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

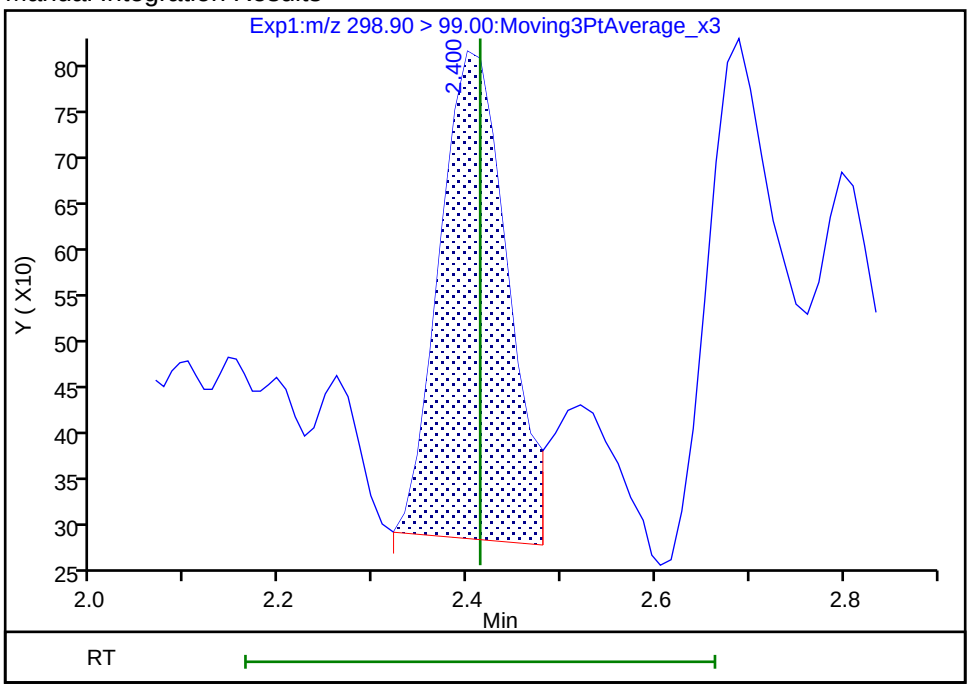
Processing Integration Results

RT: 2.40
Area: 3406
Amount: 0.002293
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 2650
Amount: 0.002745
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:26:42
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

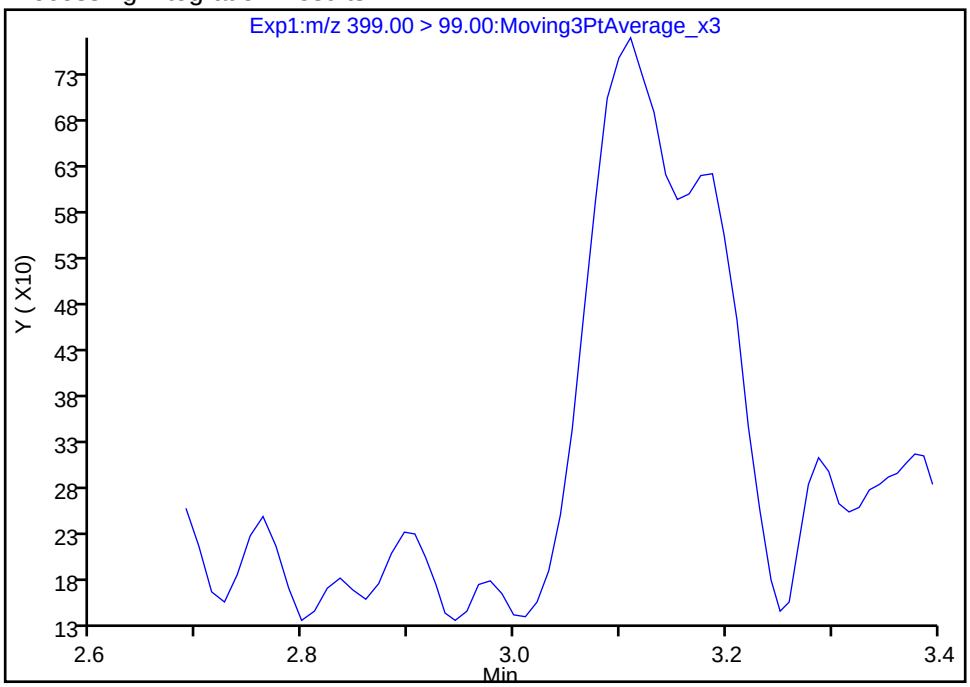
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

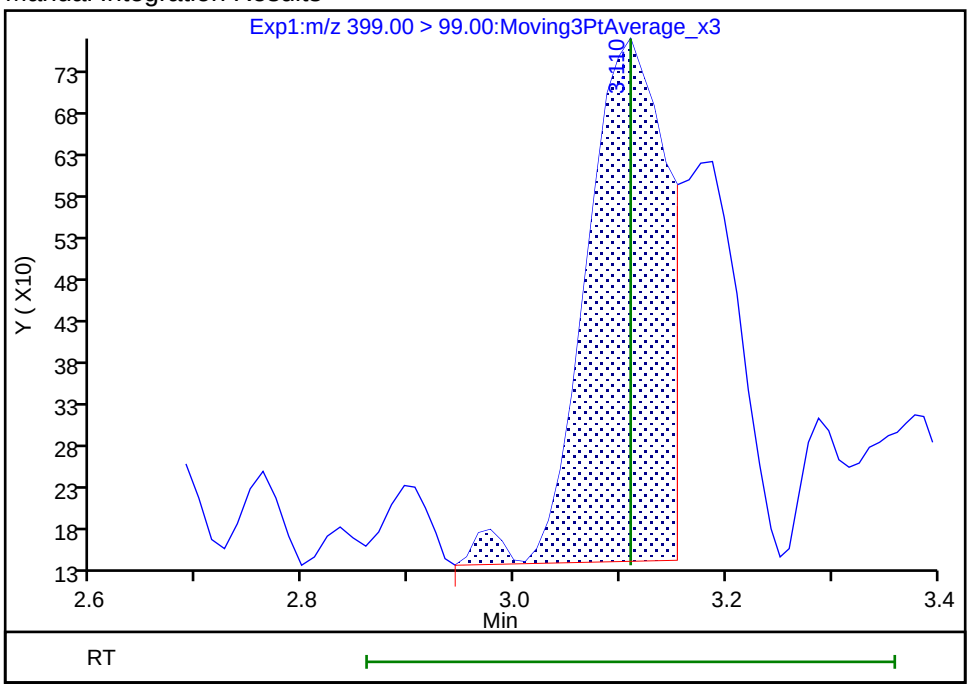
Processing Integration Results

Not Detected
Expected RT: 3.11



Manual Integration Results

RT: 3.11
Area: 3277
Amount: 0.009391
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:27:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

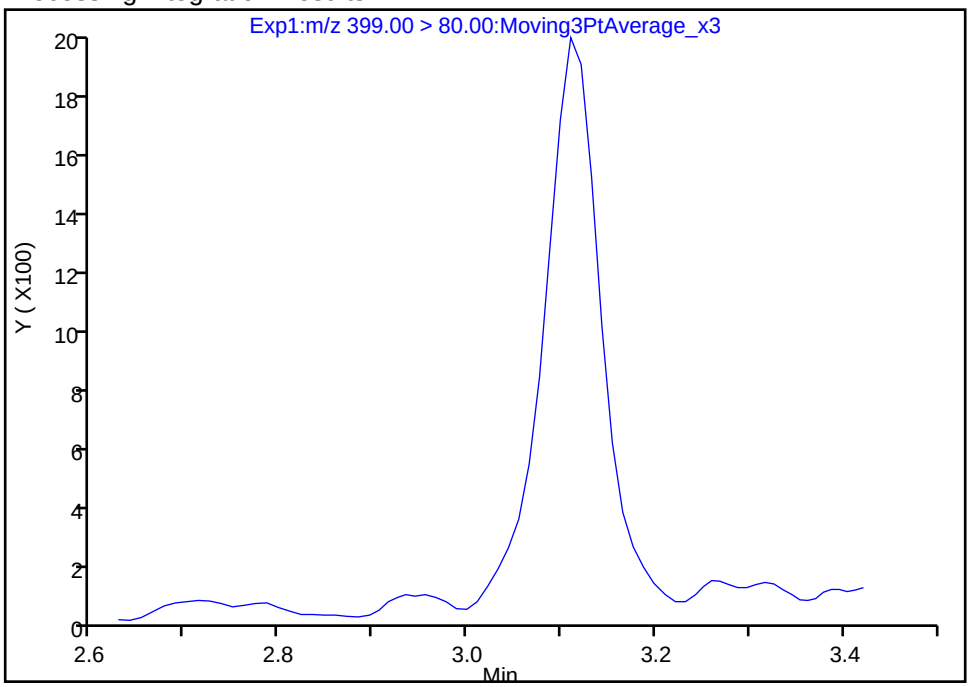
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	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

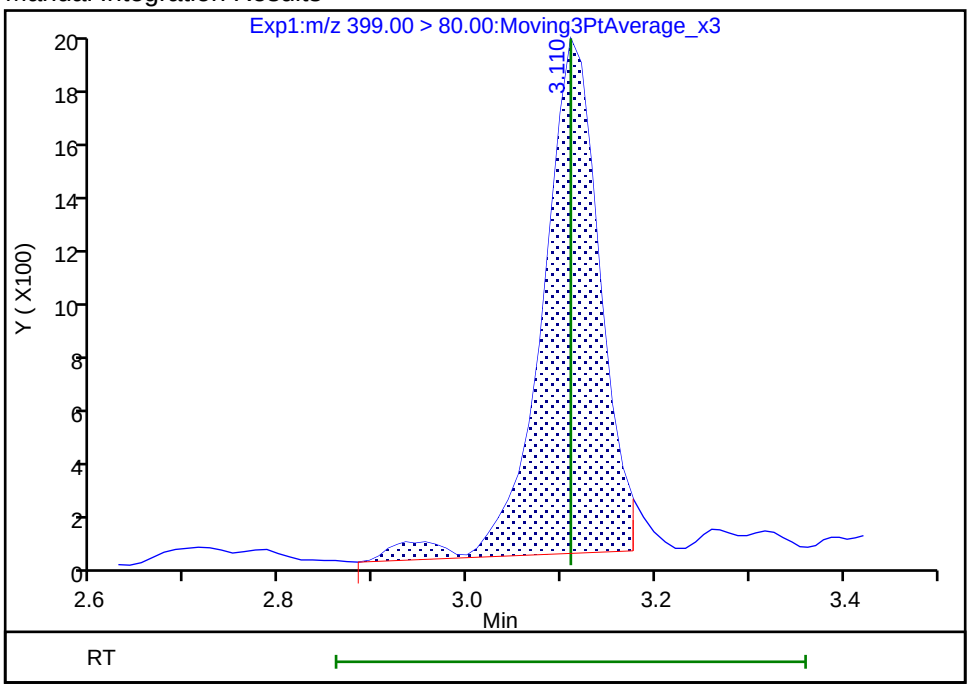
Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results

RT: 3.11
Area: 8001
Amount: 0.009391
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:27:09
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

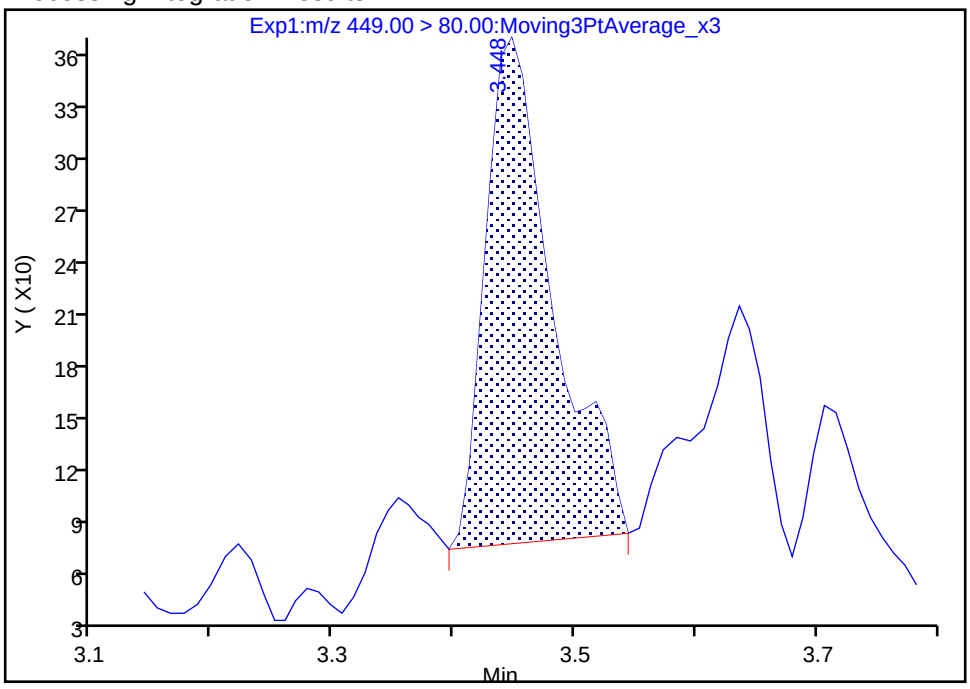
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	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

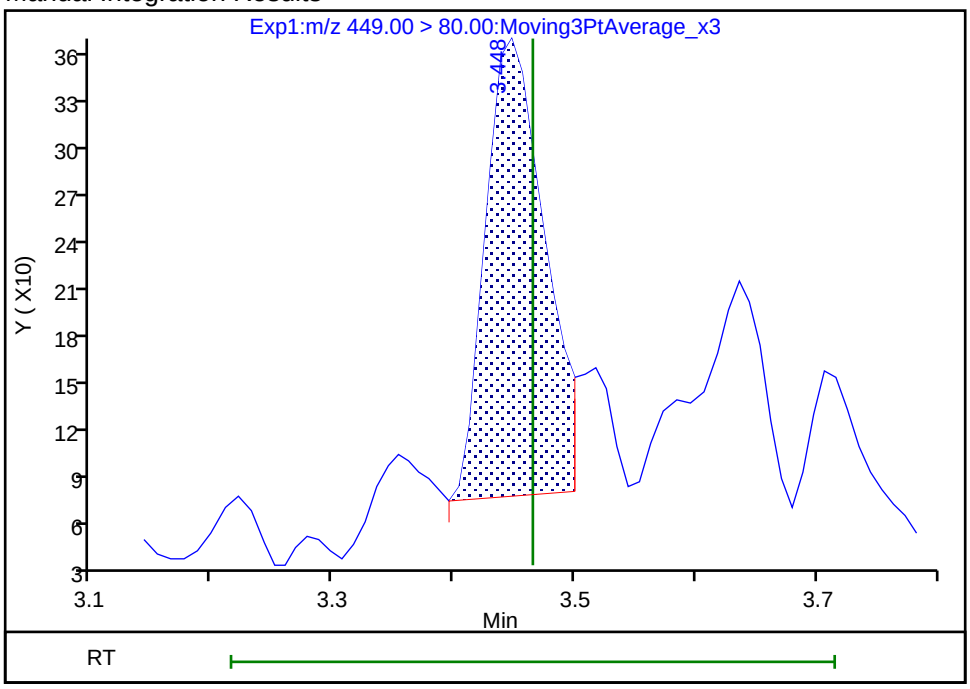
Processing Integration Results

RT: 3.45
Area: 1103
Amount: 0.001576
Amount Units: ng/ml



Manual Integration Results

RT: 3.45
Area: 962
Amount: 0.001375
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:28:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

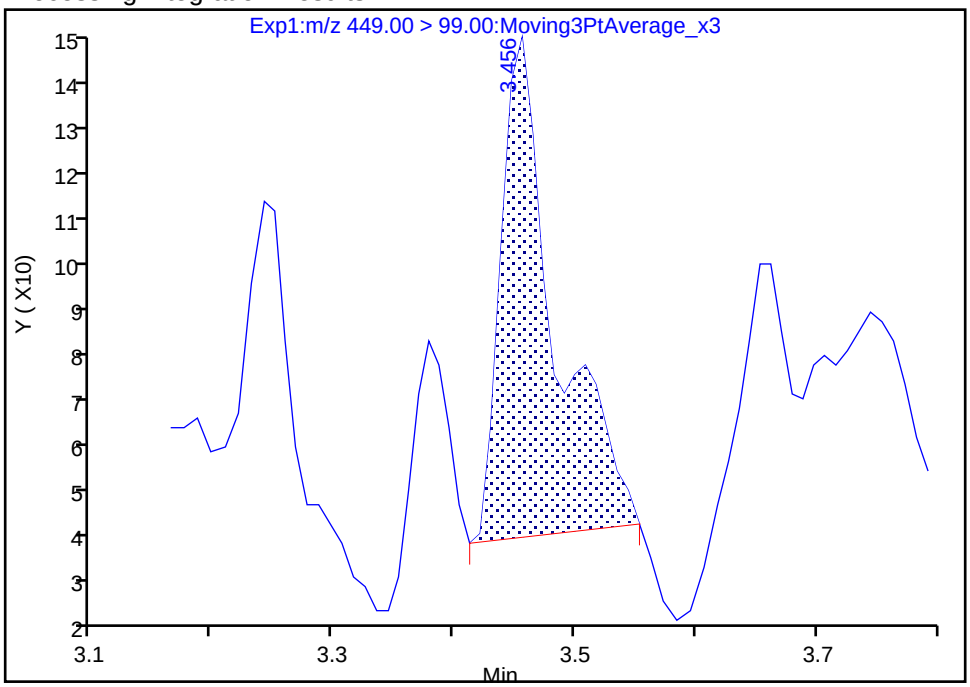
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	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

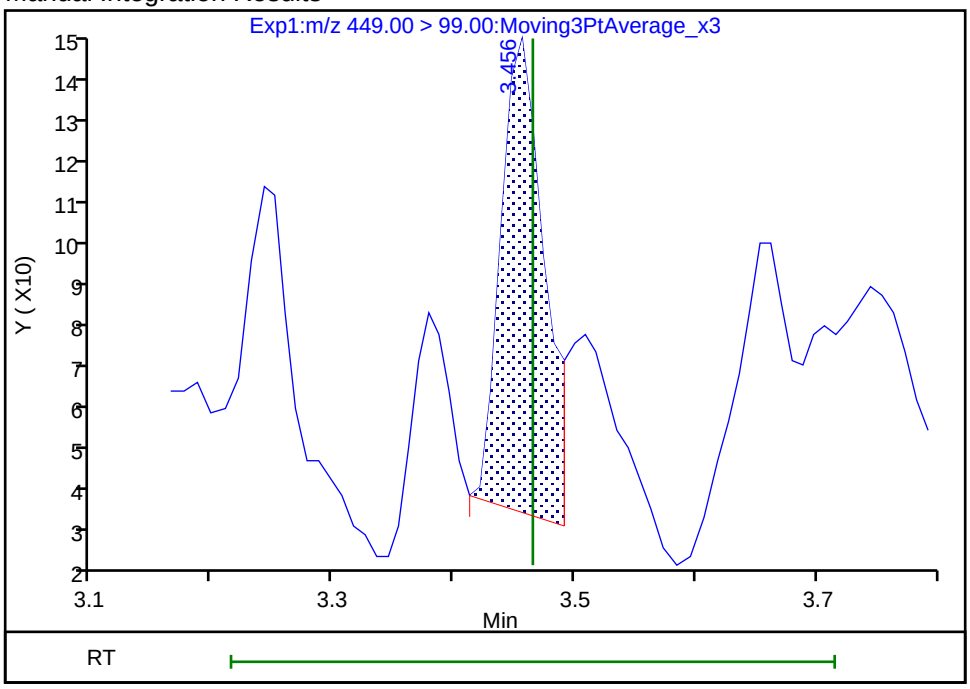
Processing Integration Results

RT: 3.46
Area: 324
Amount: 0.001576
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 267
Amount: 0.001375
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:28:25
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

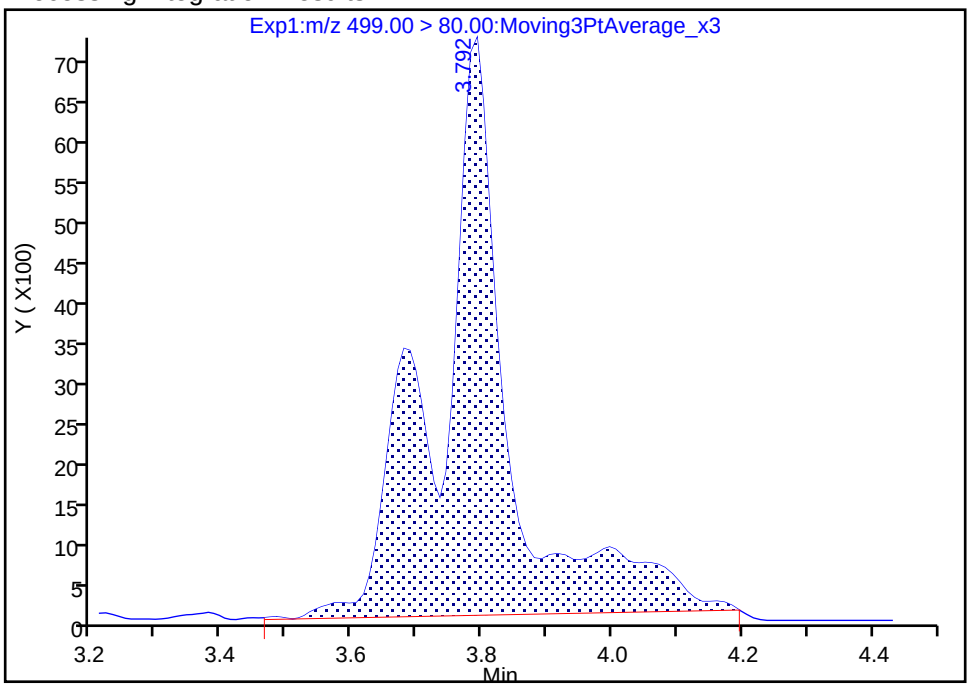
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	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

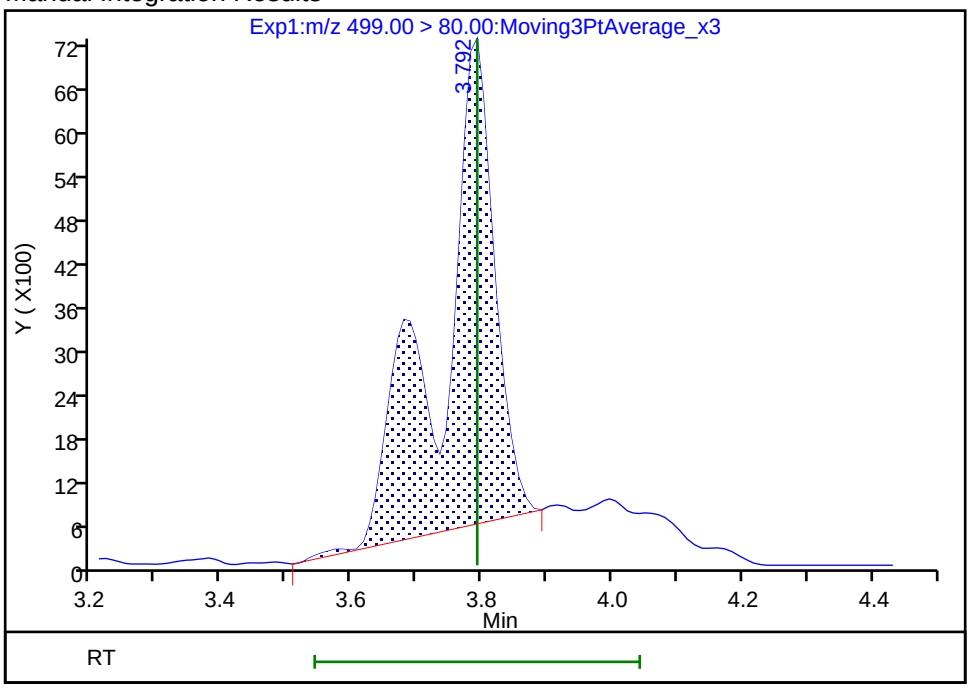
Processing Integration Results

RT: 3.79
Area: 56240
Amount: 0.081355
Amount Units: ng/ml



Manual Integration Results

RT: 3.79
Area: 39032
Amount: 0.050810
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:28:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

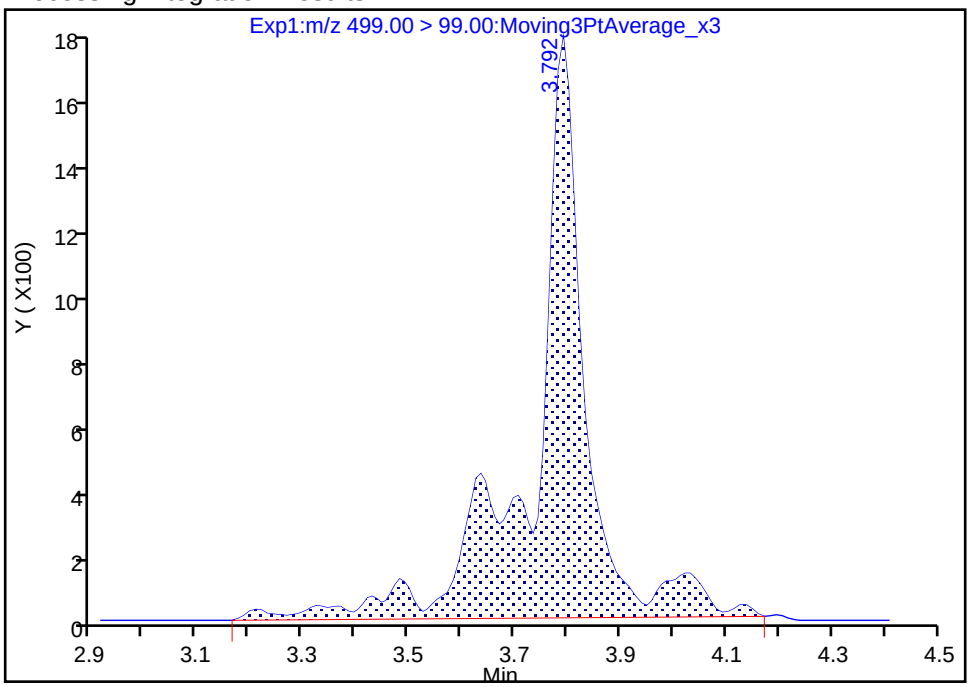
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

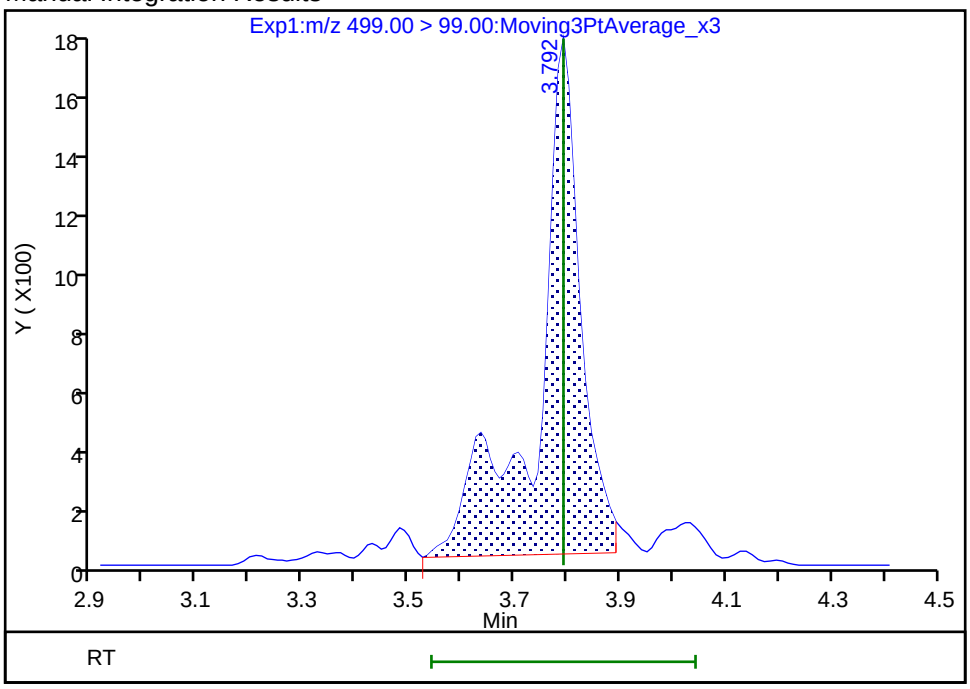
Processing Integration Results

RT: 3.79
Area: 12543
Amount: 0.081355
Amount Units: ng/ml



Manual Integration Results

RT: 3.79
Area: 9928
Amount: 0.050810
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:28:48

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

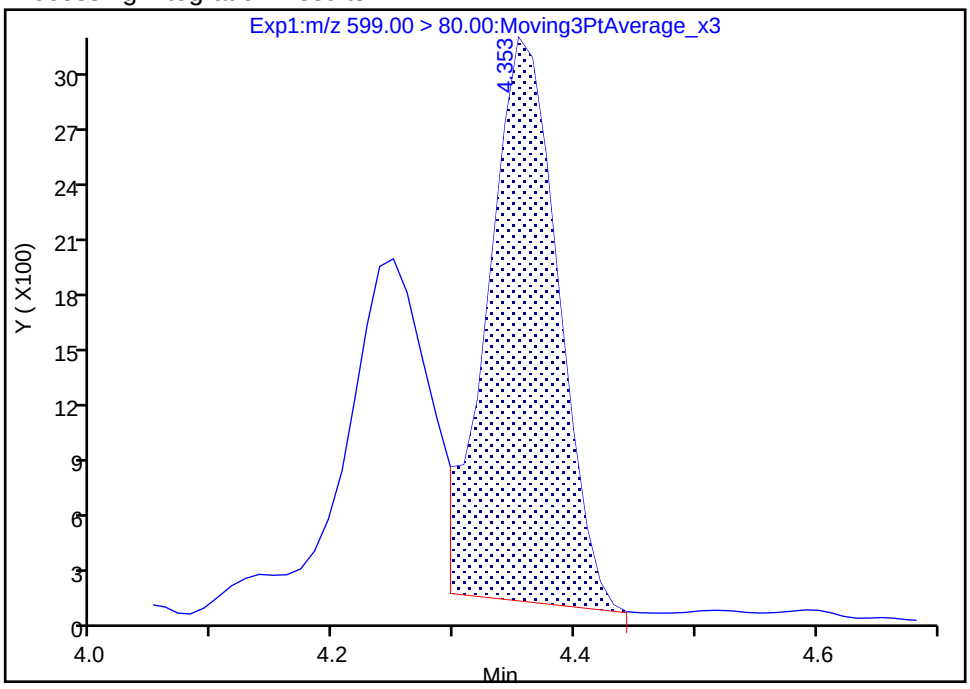
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	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

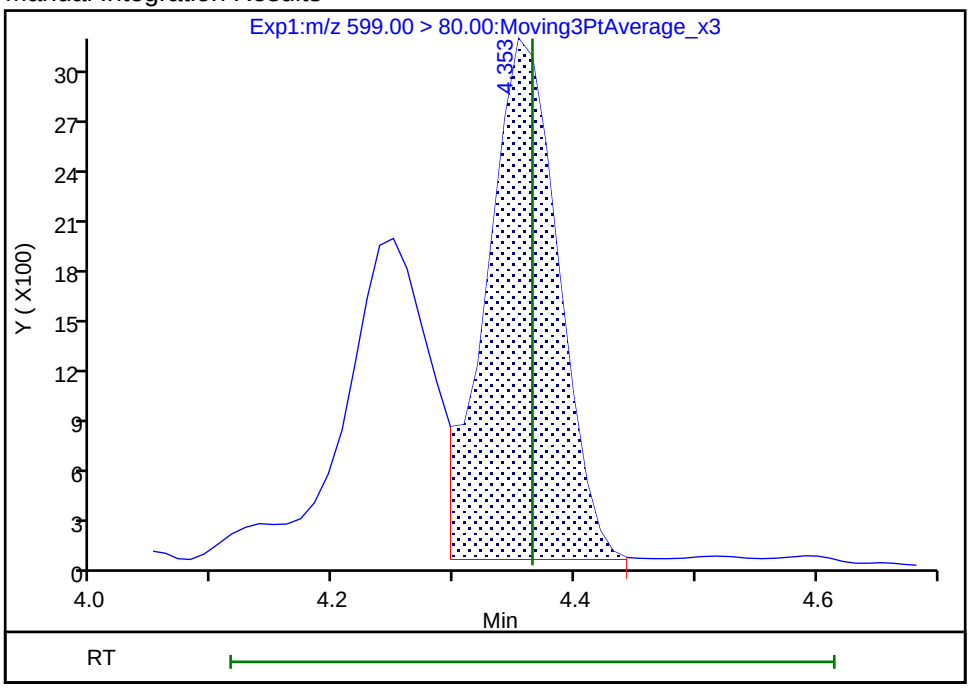
Processing Integration Results

RT: 4.35
Area: 12165
Amount: 0.036873
Amount Units: ng/ml



Manual Integration Results

RT: 4.35
Area: 12677
Amount: 0.038425
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:23:43

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

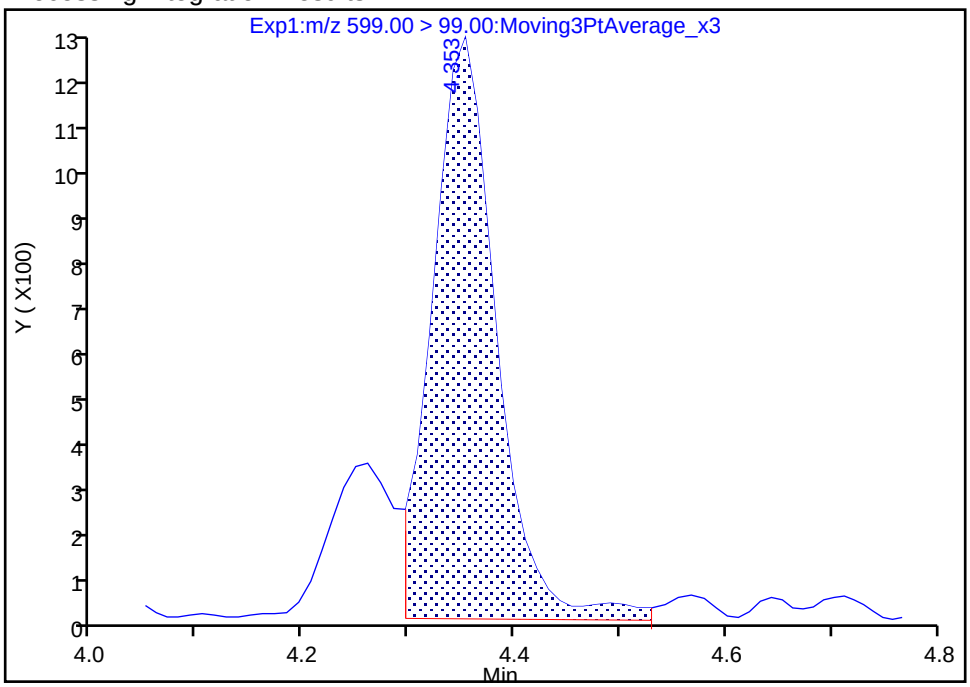
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	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

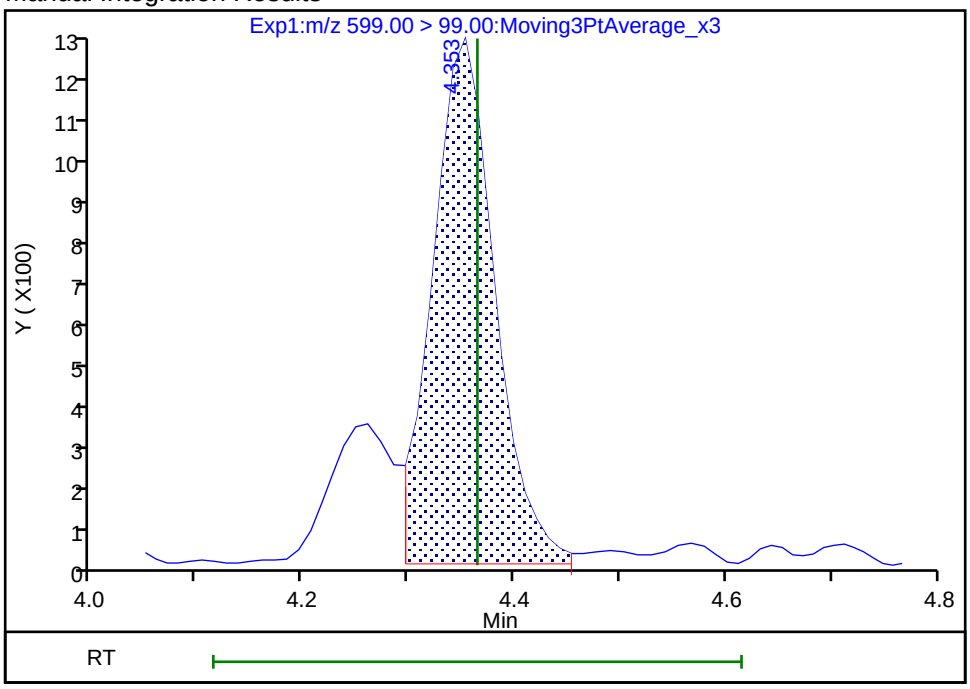
Processing Integration Results

RT: 4.35
Area: 5114
Amount: 0.036873
Amount Units: ng/ml



Manual Integration Results

RT: 4.35
Area: 4955
Amount: 0.038425
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:23:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

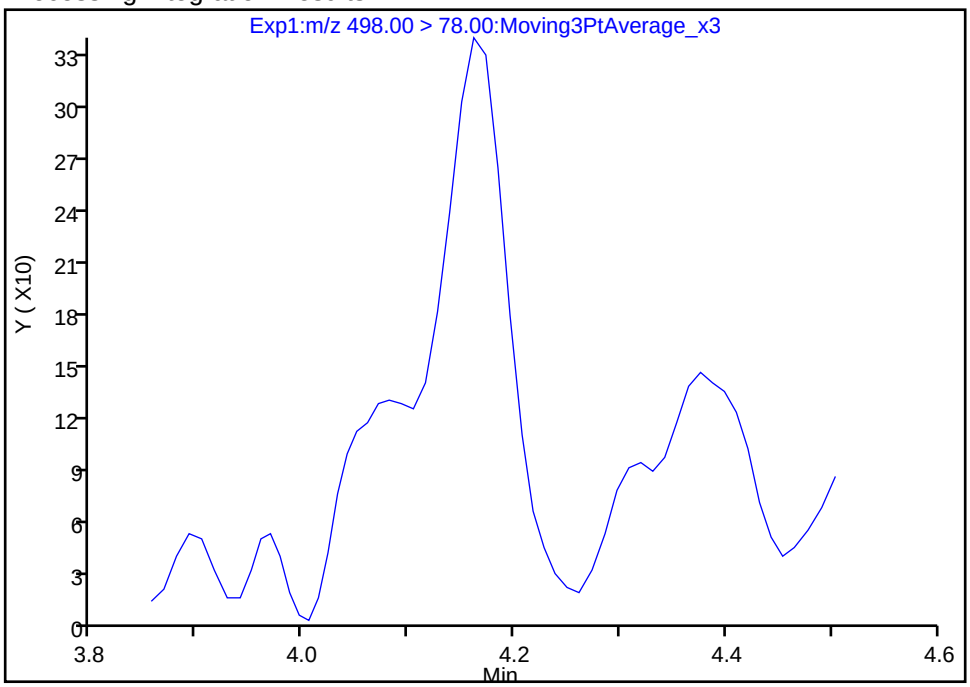
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	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

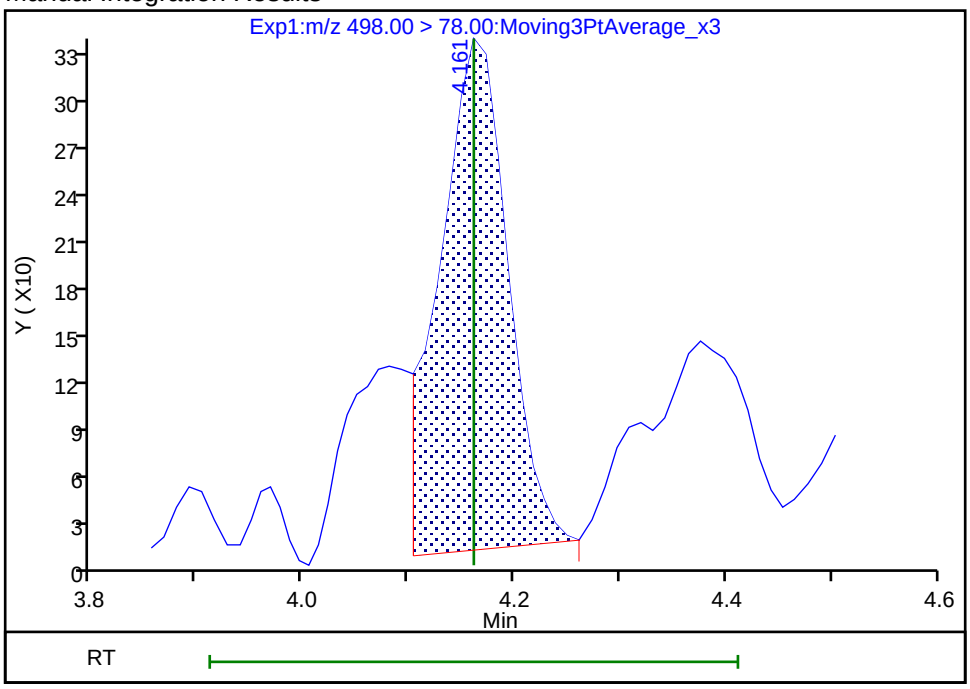
Not Detected
Expected RT: 4.16

Processing Integration Results



Manual Integration Results

RT: 4.16
Area: 1446
Amount: 0.001610
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:30:10
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

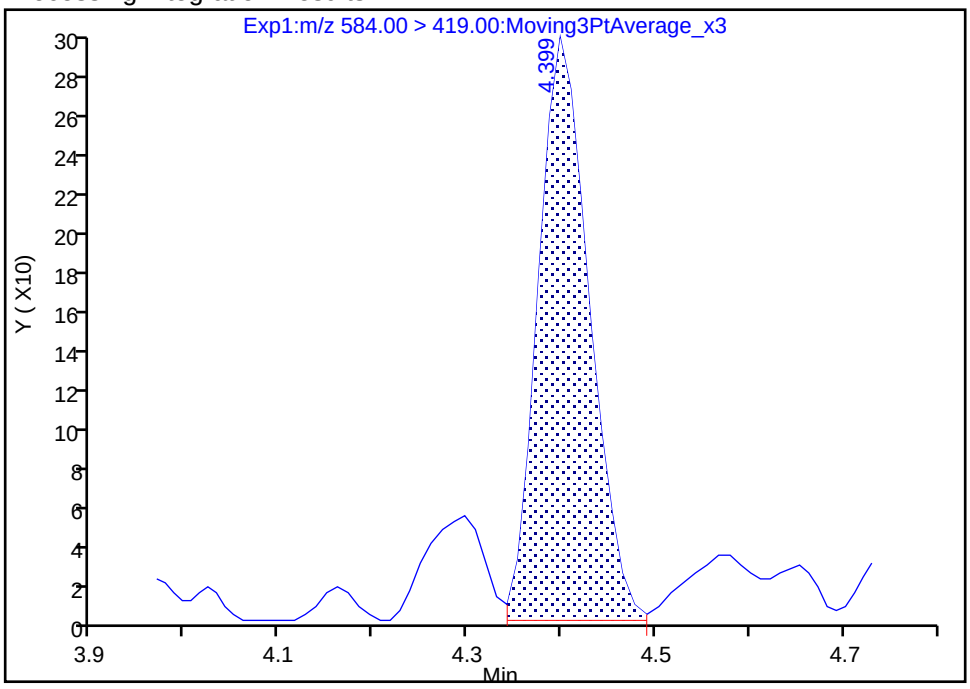
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	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

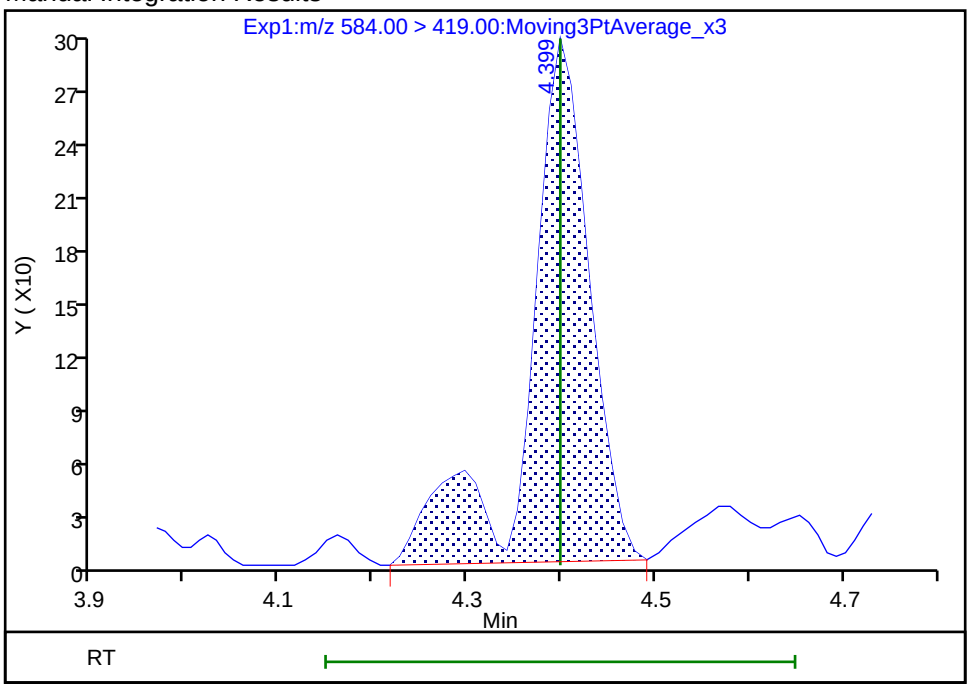
Processing Integration Results

RT: 4.40
Area: 1115
Amount: 0.010035
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 1318
Amount: 0.011862
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:30:43

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

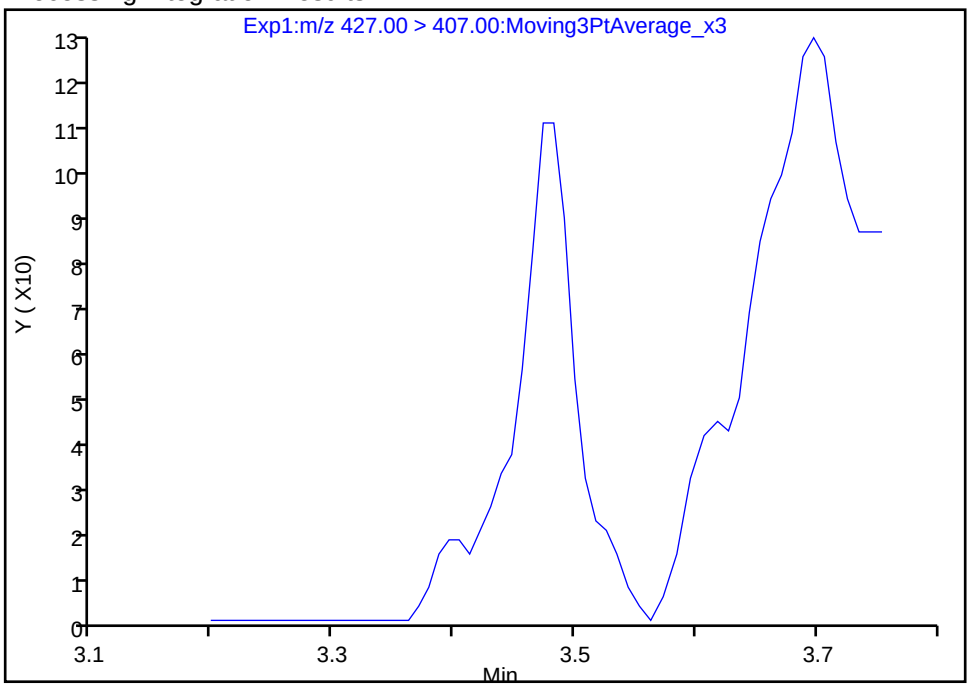
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

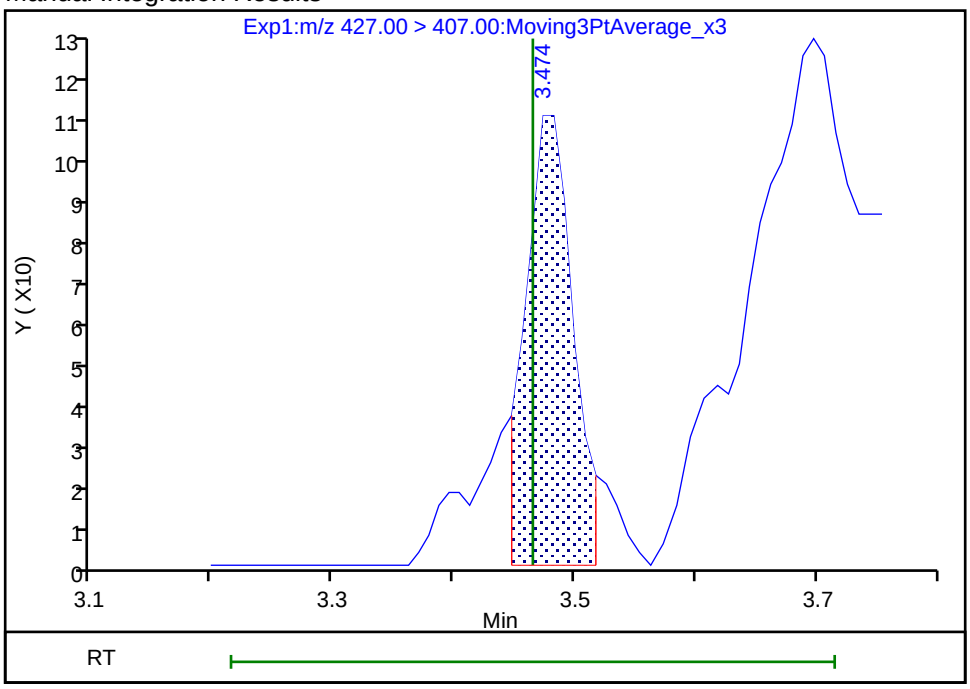
Not Detected
Expected RT: 3.47

Processing Integration Results



Manual Integration Results

RT: 3.47
Area: 279
Amount: -0.015198
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:27:41
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

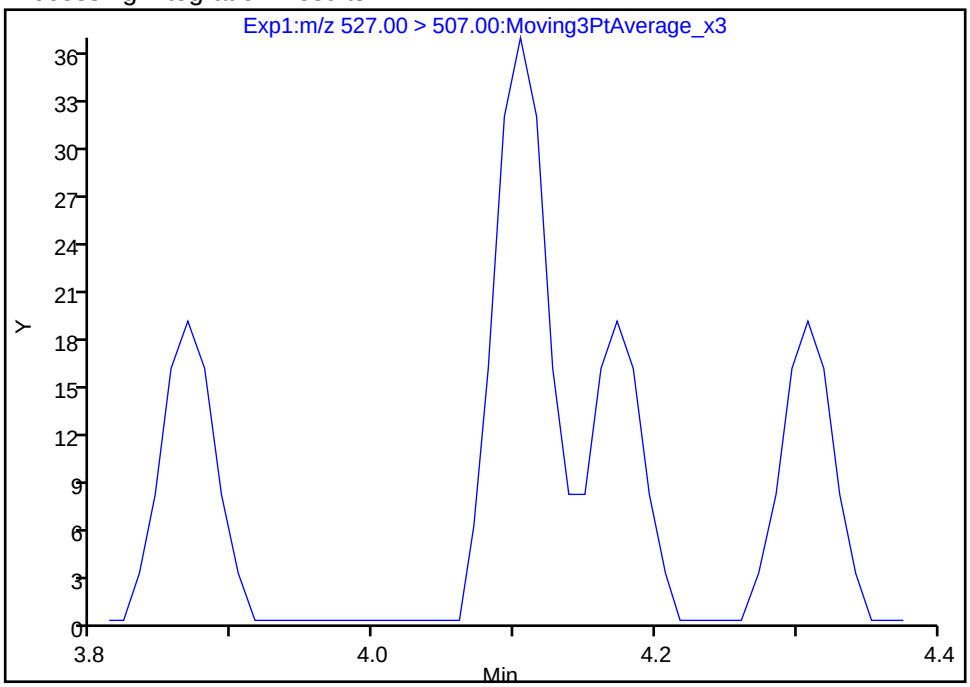
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	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

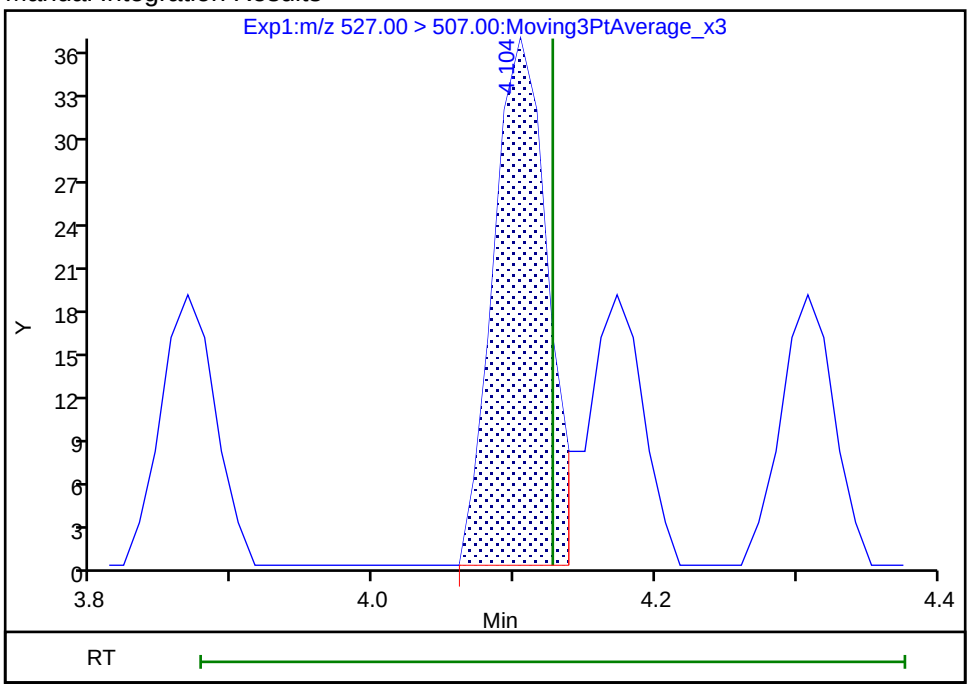
Not Detected
Expected RT: 4.13

Processing Integration Results



Manual Integration Results

RT: 4.10
Area: 97
Amount: 0.000655
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:29:44
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

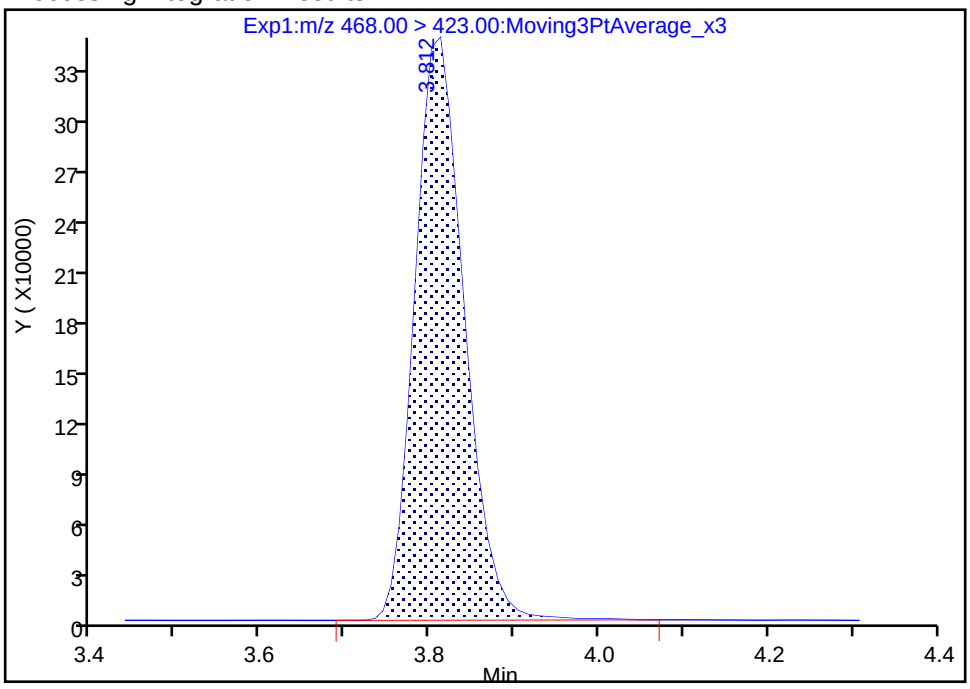
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	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

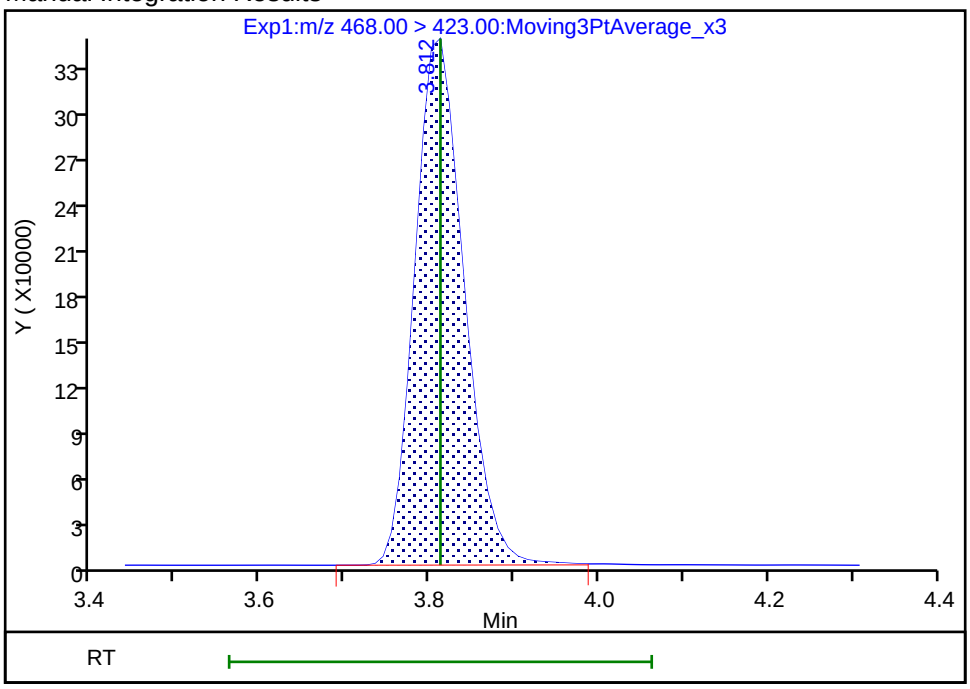
Processing Integration Results

RT: 3.81
Area: 1406465
Amount: 1.162706
Amount Units: ng/ml



Manual Integration Results

RT: 3.81
Area: 1404726
Amount: 1.164273
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:25:46
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

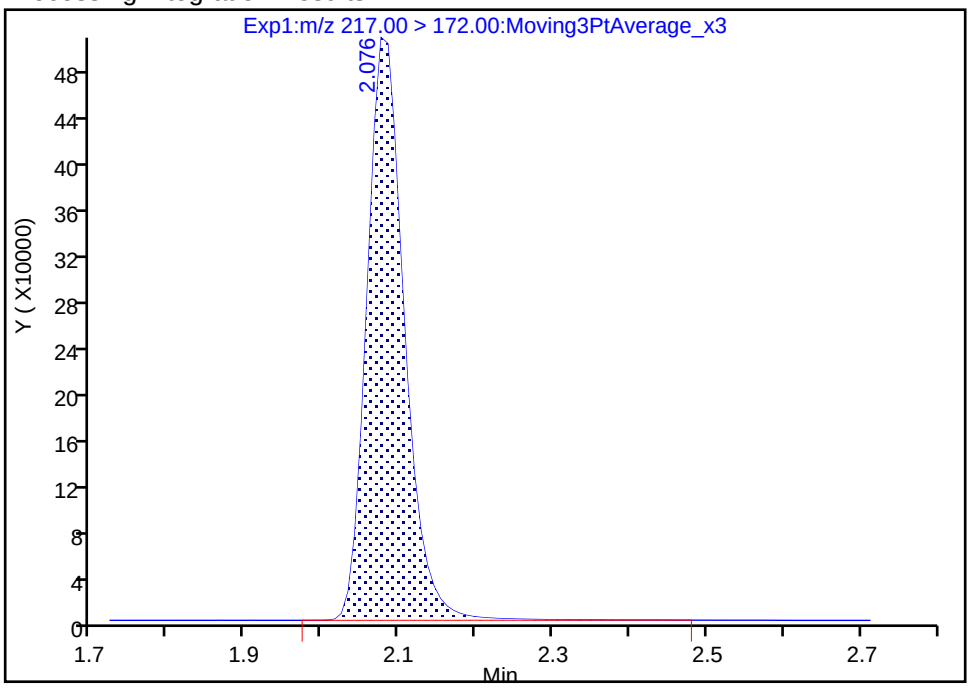
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	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

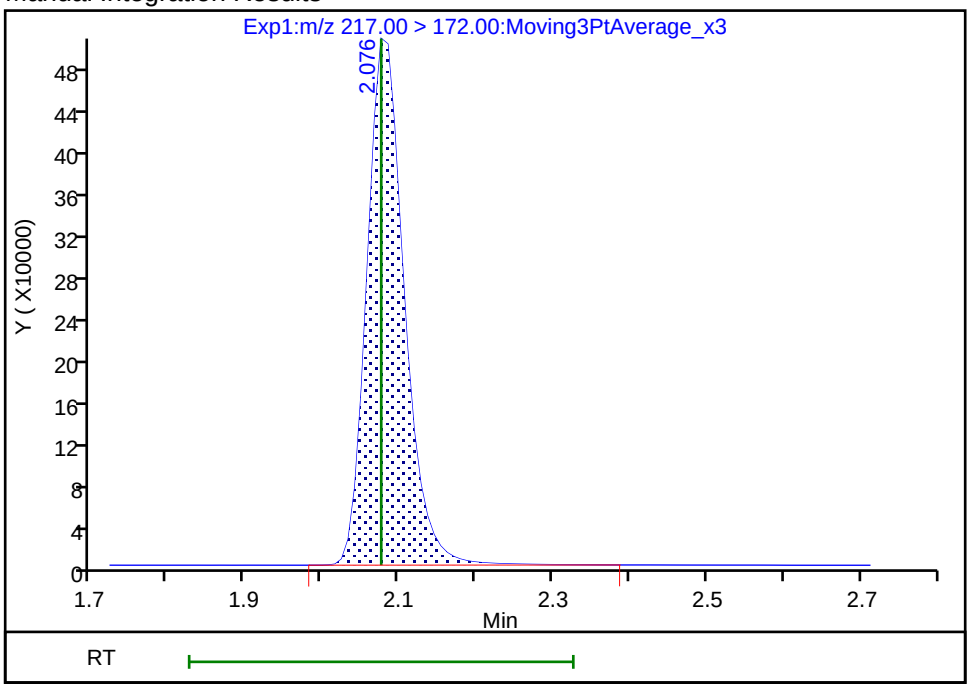
Processing Integration Results

RT: 2.08
Area: 1703853
Amount: 1.193537
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 1701919
Amount: 1.195267
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:25:31

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

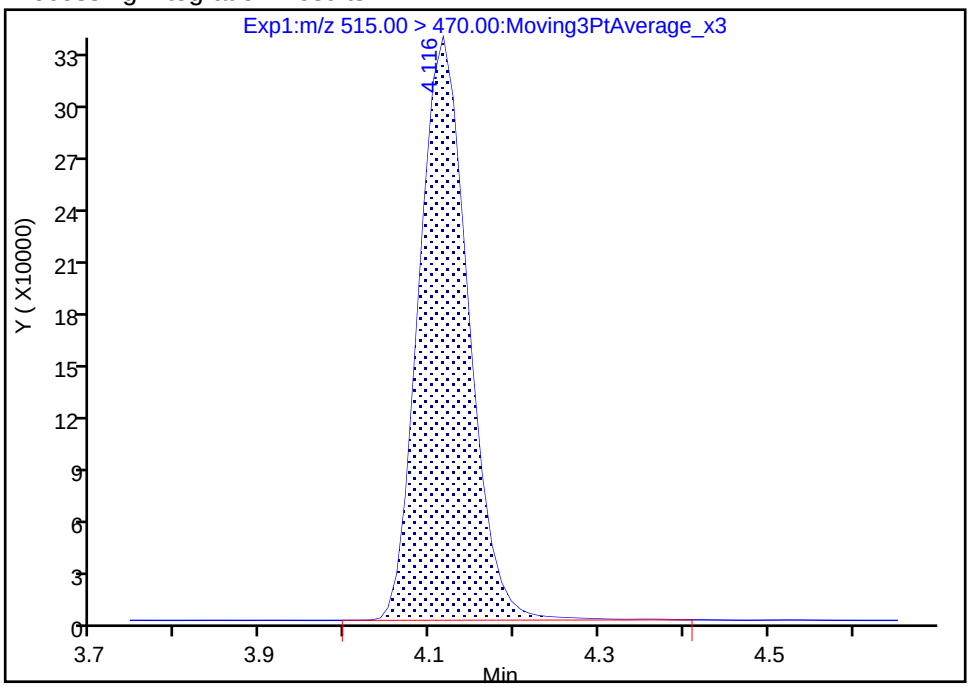
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	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

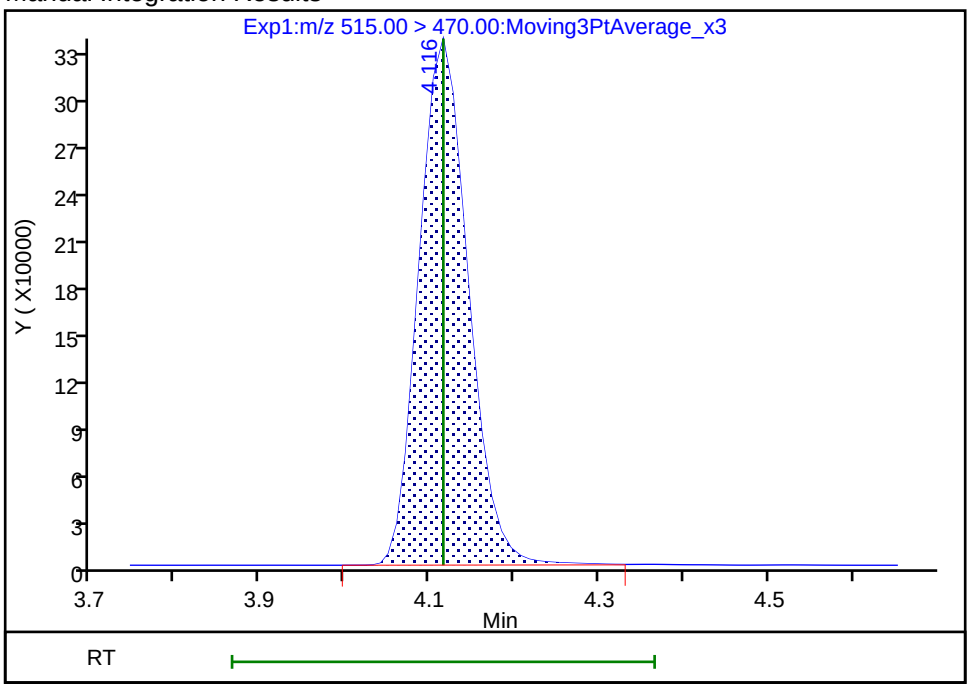
Processing Integration Results

RT: 4.12
Area: 1335931
Amount: 1.134769
Amount Units: ng/ml



Manual Integration Results

RT: 4.12
Area: 1334994
Amount: 1.136907
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:25:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

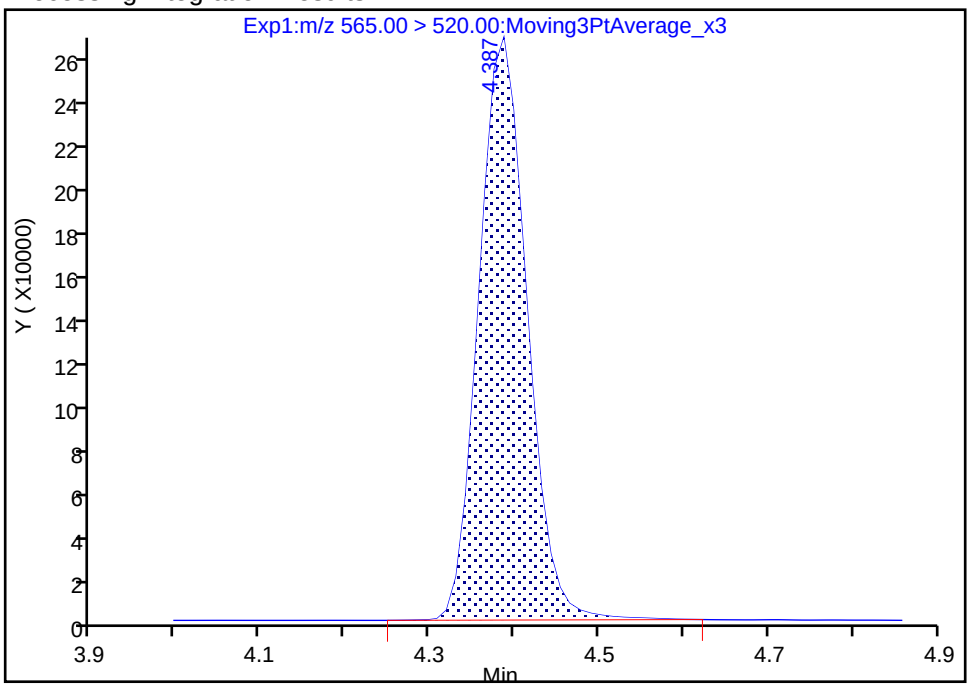
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	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

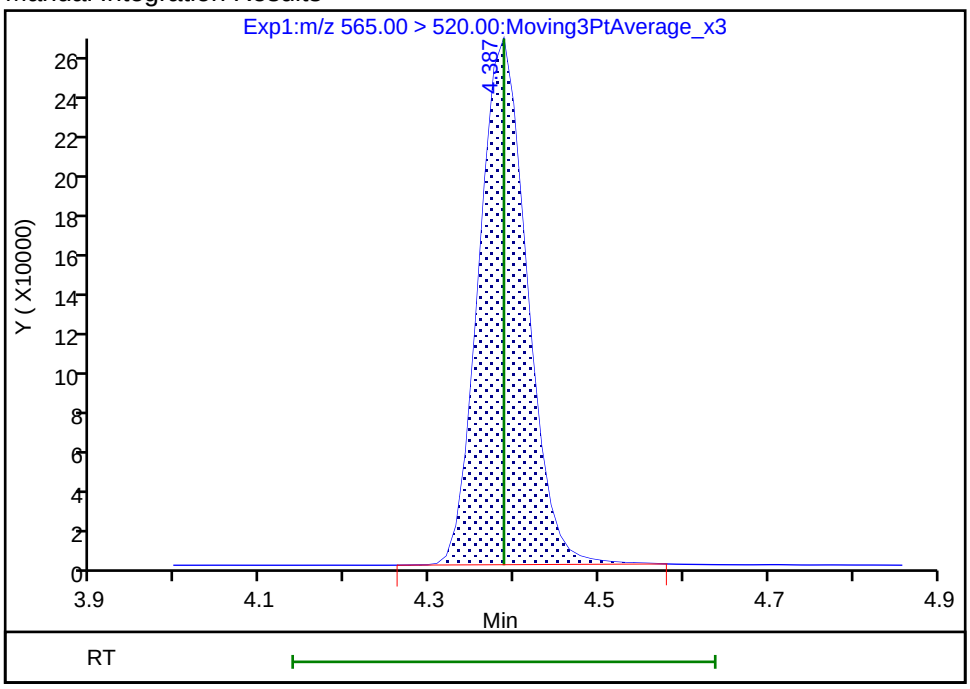
Processing Integration Results

RT: 4.39
Area: 1046647
Amount: 1.176418
Amount Units: ng/ml



Manual Integration Results

RT: 4.39
Area: 1043093
Amount: 1.172424
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:23:55

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

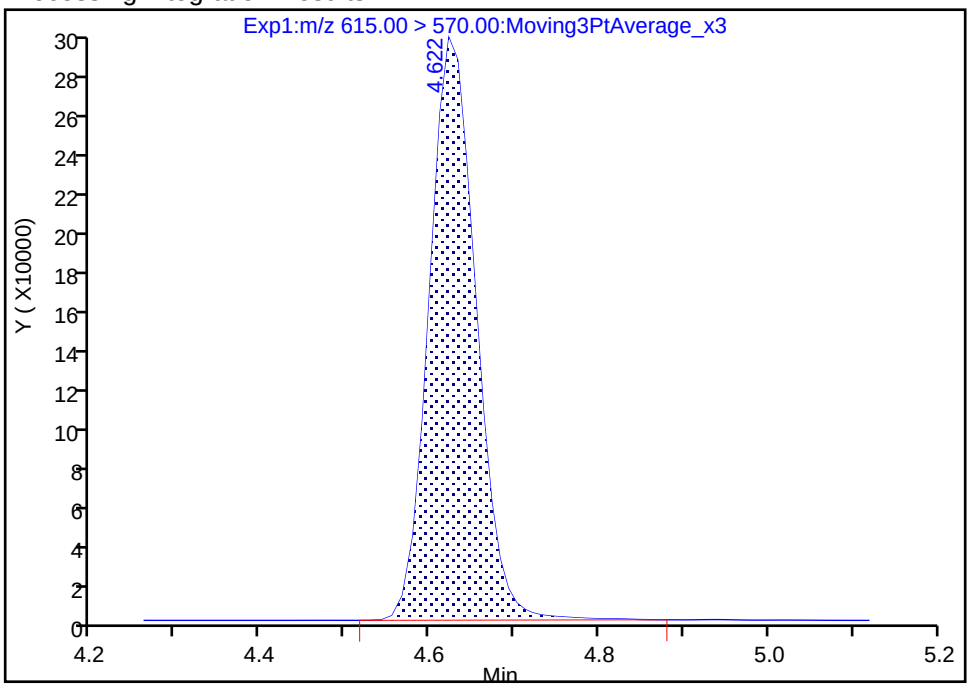
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	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 PFDoA, CAS: STL00998

Signal: 1

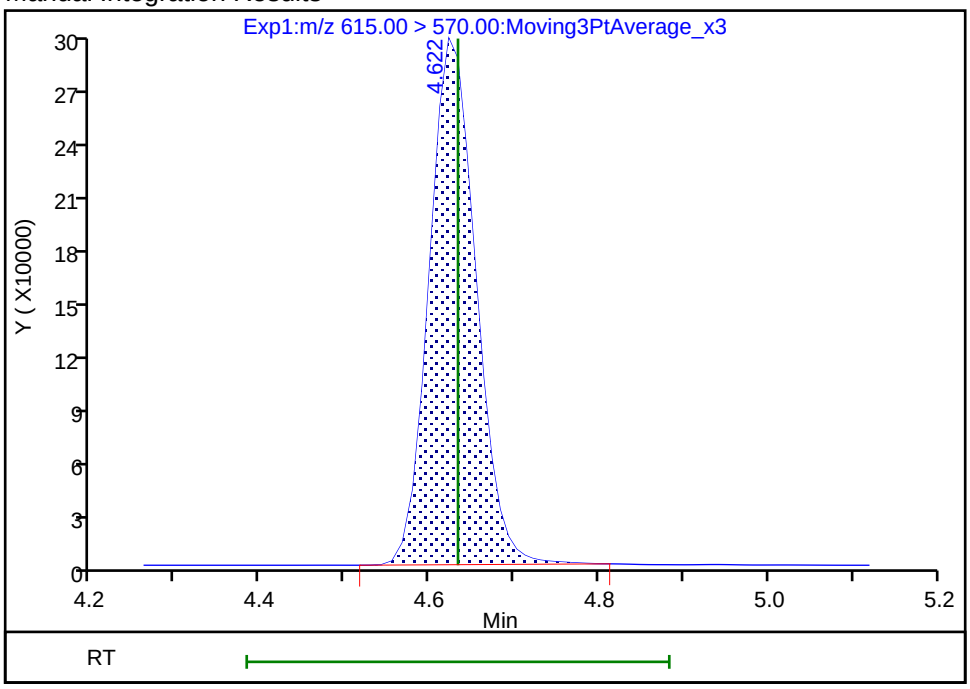
Processing Integration Results

RT: 4.62
Area: 1115472
Amount: 1.209927
Amount Units: ng/ml



Manual Integration Results

RT: 4.62
Area: 1109893
Amount: 1.203876
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:24:05

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

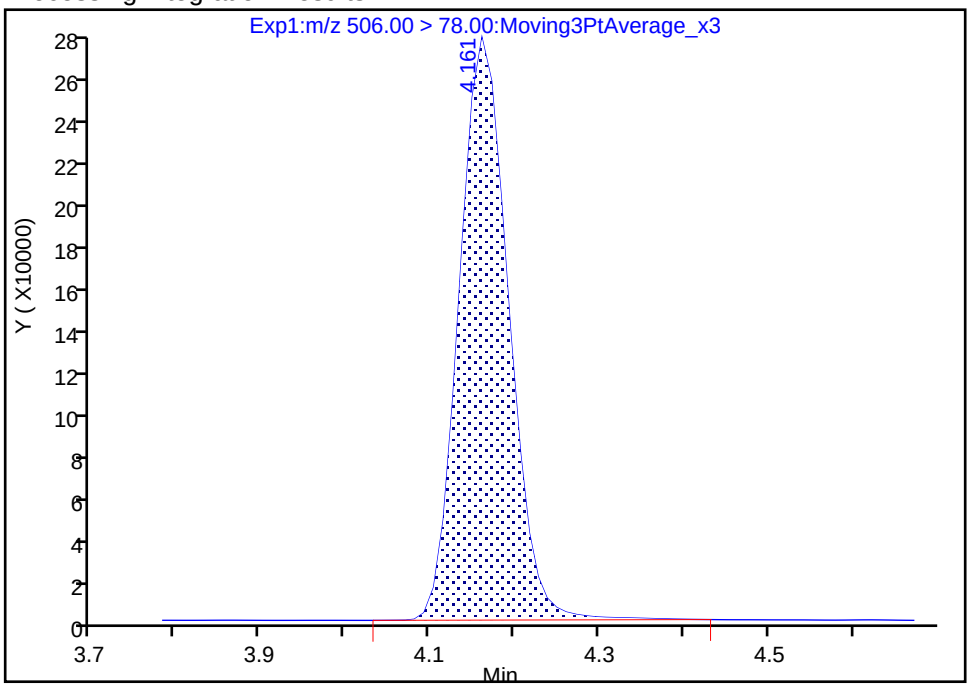
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	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

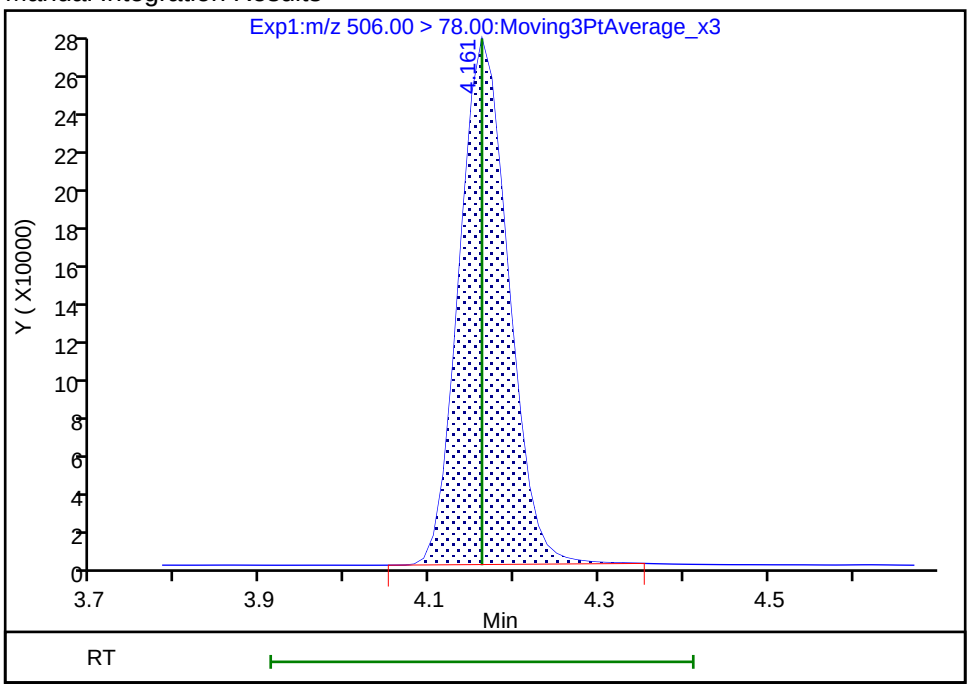
Processing Integration Results

RT: 4.16
Area: 1108638
Amount: 1.078738
Amount Units: ng/ml



Manual Integration Results

RT: 4.16
Area: 1101483
Amount: 1.071776
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:23:26

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

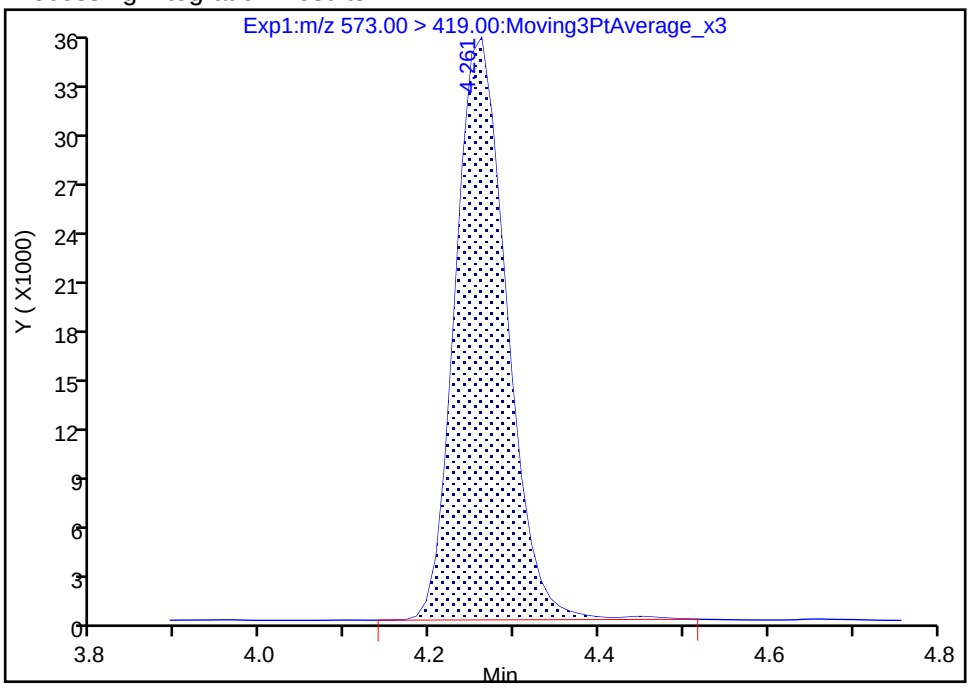
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	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

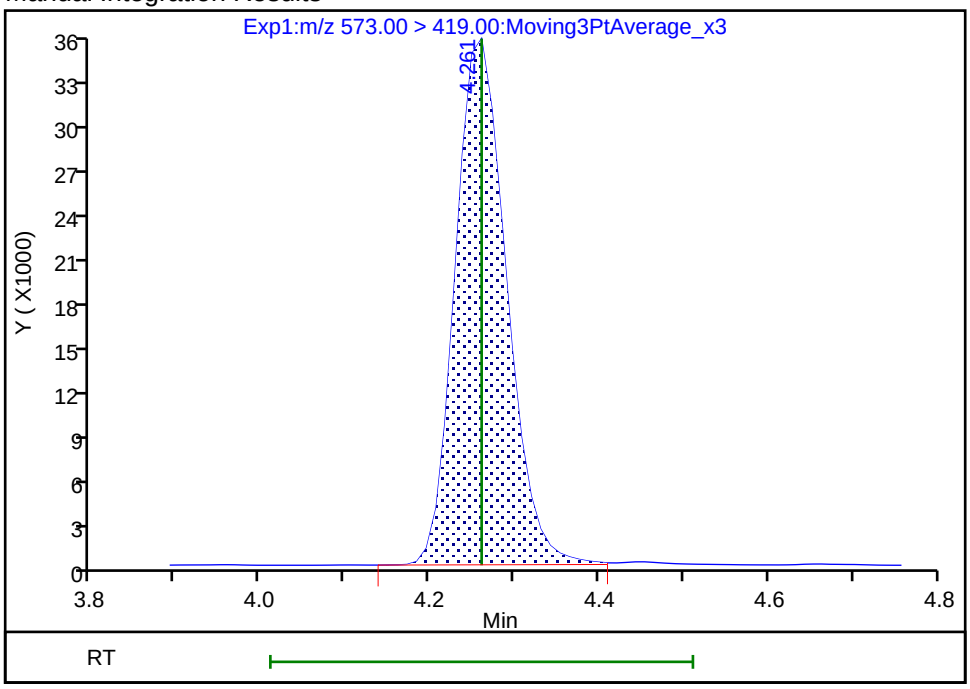
Processing Integration Results

RT: 4.26
Area: 147968
Amount: 0.937744
Amount Units: ng/ml



Manual Integration Results

RT: 4.26
Area: 147355
Amount: 0.936275
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:26:03
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

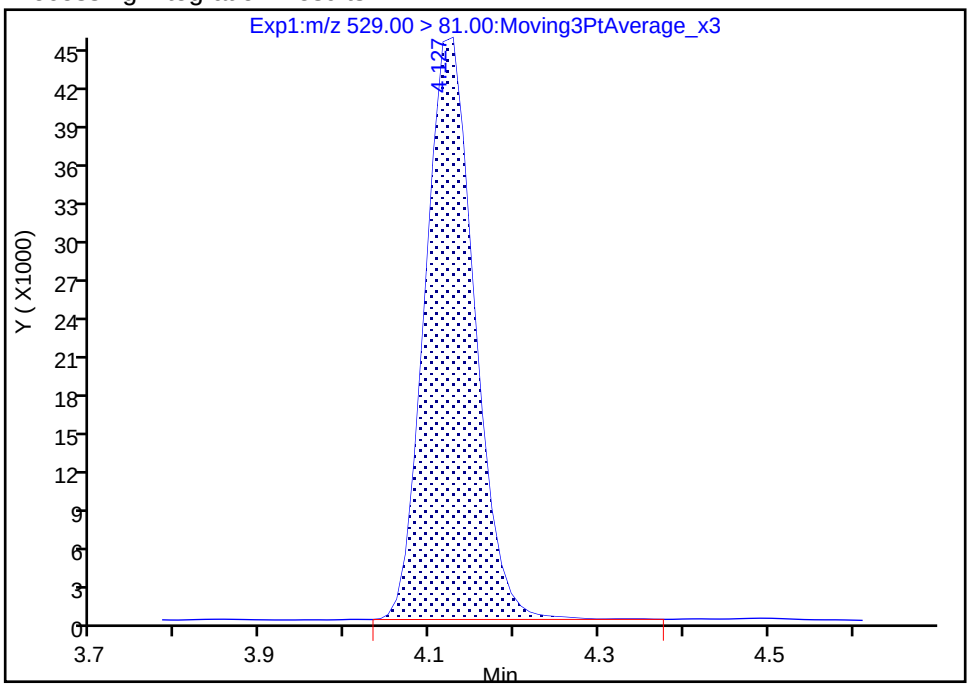
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

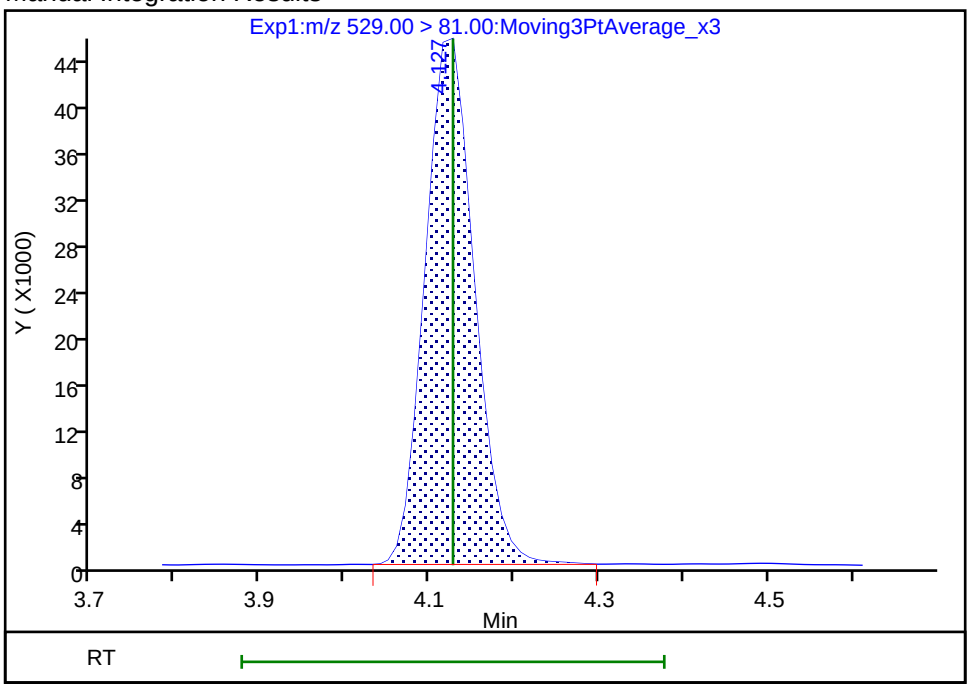
Processing Integration Results

RT: 4.13
Area: 183763
Amount: 1.021181
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 183641
Amount: 1.023143
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:25:57

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

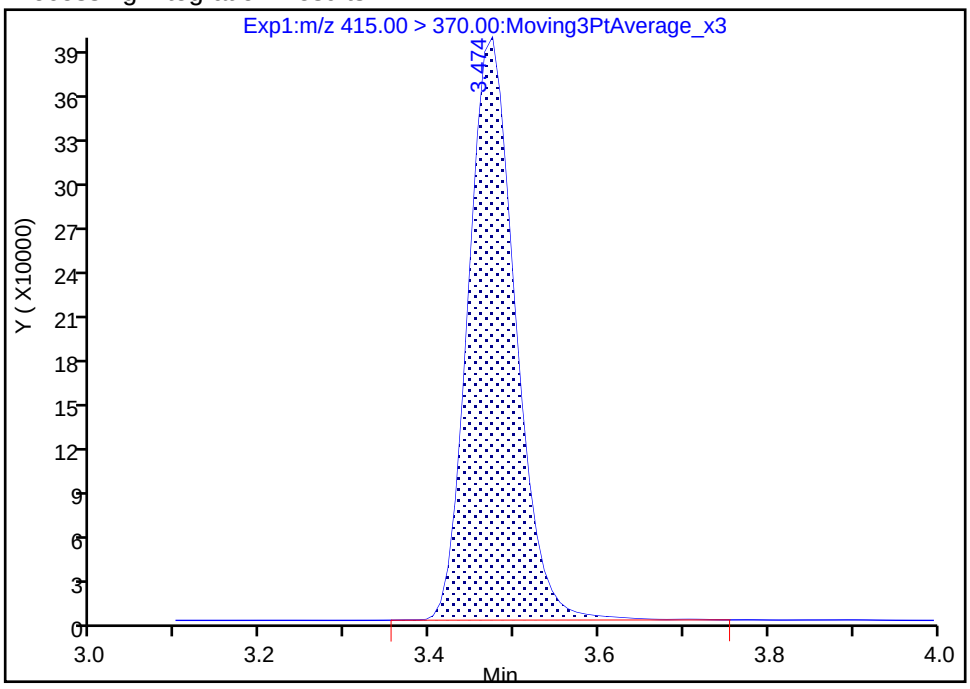
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B10.d				
Injection Date:	04-Aug-2022 15:14:49	Instrument ID:	LC812		
Lims ID:	460-262897-A-2-A	Lab Sample ID:	200-262897-2		
Client ID:	BCS-09-41 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

* 62 13C2 PFOA, CAS: STL00623

Signal: 1

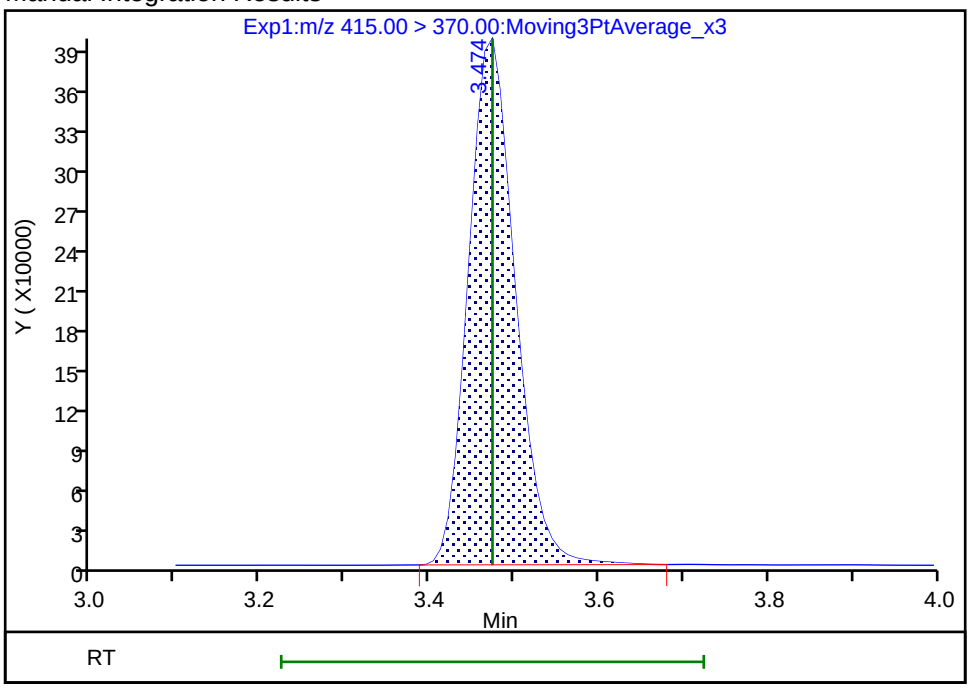
Processing Integration Results

RT: 3.47
Area: 1529039
Amount: 1.250000
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 1525093
Amount: 1.250000
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:26:16

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 460-262897-1

SDG No.:

Client Sample ID: BCS-09-42 (5-5.5)P | Lab Sample ID: 460-262897-3

Matrix: Solid | Lab File ID: PA220804B11.d

Analysis Method: 537 (modified) | Date Collected: 07/29/2022 10:15

Extraction Method: SHAKE | Date Extracted: 08/03/2022 11:39

Sample wt/vol: 5.23(g) | Date Analyzed: 08/04/2022 15:23

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

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

% Moisture: 17.7 % Solids: 82.3 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 182375 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.58	U	0.58	0.38
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.23	U	0.23	0.064
307-24-4	Perfluorohexanoic acid (PFHxA)	0.23	U	0.23	0.053
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.23	U	0.23	0.045
335-67-1	Perfluorooctanoic acid (PFOA)	0.23	U	0.23	0.067
375-95-1	Perfluorononanoic acid (PFNA)	0.23	U	0.23	0.039
335-76-2	Perfluorodecanoic acid (PFDA)	0.23	U	0.23	0.033
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.23	U	0.23	0.031
307-55-1	Perfluorododecanoic acid (PFDoA)	0.23	U	0.23	0.029
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.23	U	0.23	0.029
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.23	U	0.23	0.030
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.23	U	0.23	0.038
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.23	U	0.23	0.048
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.23	U	0.23	0.027
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.23	U	0.23	0.13
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.049	J	0.23	0.022
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.23	U	0.23	0.039
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.32	U	2.32	0.13
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.32	U	2.32	0.096
27619-97-2	6:2 FTS	2.32	U	2.32	0.066
39108-34-4	8:2 FTS	2.32	U	2.32	0.043

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 460-262897-1

SDG No.:

Client Sample ID: BCS-09-42 (5-5.5)P | Lab Sample ID: 460-262897-3

Matrix: Solid | Lab File ID: PA220804B11.d

Analysis Method: 537 (modified) | Date Collected: 07/29/2022 10:15

Extraction Method: SHAKE | Date Extracted: 08/03/2022 11:39

Sample wt/vol: 5.23(g) | Date Analyzed: 08/04/2022 15:23

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

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

% Moisture: 17.7 % Solids: 82.3 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 182375 | Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	80		50-150
STL01892	13C4 PFHpA	89		50-150
STL00990	13C4 PFOA	94		50-150
STL00991	13C4 PFOS	79		50-150
STL00995	13C5 PFNA	90		50-150
STL00992	13C4 PFBA	90		50-150
STL00993	13C2 PFHxA	92		50-150
STL00996	13C2 PFDA	88		50-150
STL00997	13C2 PFUnA	85		50-150
STL00998	13C2 PFDoA	88		50-150
STL01056	13C8 FOSA	78		50-150
STL01893	13C5 PFPeA	91		50-150
STL02116	13C2 PFTeDA	93		50-150
STL02118	d3-NMeFOSAA	68		50-150
STL02117	d5-NEtFOSAA	70		50-150
STL02279	M2-6:2 FTS	78		50-150
STL02280	M2-8:2 FTS	80		50-150
STL02337	13C3 PFBS	81		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B11.d
Lims ID: 460-262897-A-3-A
Client ID: BCS-09-42 (5-5.5)P
Sample Type: Client
Inject. Date: 04-Aug-2022 15:23:00 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: 460-262897-A-3-A
Misc. Info.: 200-0051959-011 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 05-Aug-2022 12:53:58 Calib Date: 03-Aug-2022 13:41:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1640

First Level Reviewer: nampitakw Date: 05-Aug-2022 11:39:01
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										M
217.00 > 172.00	2.077	2.076	0.001	0.598	2137880	1.12		89.8	7064	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.077	2.085	-0.008	1.000	25218	0.0152			2.1	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.387	2.400	-0.013	0.688	1672970	1.14		91.3	3036	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.387	2.400	-0.013	1.000	26040	0.0189			0.9	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.400	2.413	-0.013	0.692	1595698	0.9409		80.9	167552	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.400	2.413	-0.013	1.000	2579	0.001702	Target=2.23		2.7	
298.90 > 99.00	2.413	2.413	0.0	1.006	2249		1.15(1.11-3.34)		0.7	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.738	2.750	-0.012	1.000	26271	0.0187	Target=12.24		4.4	
313.00 > 119.00	2.753	2.750	0.003	1.006	2543		10.33(6.12-18.36)		3.3	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.738	2.750	-0.012	0.789	1684817	1.15		92.1	2960	
D 11 18O2 PFHxS										
403.00 > 84.00	3.105	3.110	-0.005	0.895	1132370	0.9494		80.3	2570	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.105	3.110	-0.005	1.000	5007	0.004741	Target=3.43		11.3	M
399.00 > 99.00	3.127	3.110	0.017	1.007	2229		2.25(1.72-5.15)		2.1	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.105	3.121	-0.016	0.895	1690147	1.11		89.1	2020	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.116	3.121	-0.005	1.004	12233	0.008779	Target=3.73		2.8	M
363.00 > 169.00	3.105	3.121	-0.016	1.000	2827		4.33(1.86-5.59)		6.0	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 12 M2-6:2 FTS										
429.00 > 81.00	3.453	3.465	-0.012	0.995	184104	0.9222		77.7	378	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.462	3.465	-0.003	1.003	198	-0.0159			1.5	M
16 Perfluoroheptanesulfonic acid										RM
449.00 > 80.00	3.462	3.465	-0.003	0.914	425	0.000487	Target=4.89		1.8	RM
449.00 > 99.00	3.444	3.465	-0.021	0.909	413		1.03(2.44-7.33)		2.1	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.470	3.474	-0.004	1.000	42145	0.0258	Target=2.67		4.9	M
413.00 > 169.00	3.470	3.474	-0.004	1.000	14648		2.88(1.34-4.01)		28.8	M
D 14 13C4 PFOA										M
417.00 > 372.00	3.470	3.474	-0.004	1.000	1820683	1.17		93.7	4185	M
* 62 13C2 PFOA										M
415.00 > 370.00	3.470	3.474	-0.004		2040905	1.25			3417	M
17 Perfluorooctanesulfonic acid										RM
499.00 > 80.00	3.789	3.792	-0.003	1.000	24758	0.0168	Target=4.88		13.8	RM
499.00 > 99.00	3.624	3.792	-0.168	0.956	11060		2.24(2.44-7.32)		19.9	M
D 18 13C4 PFOS										
503.00 > 80.00	3.789	3.792	-0.003	1.092	844220	0.9479		79.3	2655	
20 Perfluorononanoic acid										RM
463.00 > 419.00	3.809	3.812	-0.003	1.000	7767	0.005233	Target=8.23		2.4	R
463.00 > 169.00	3.809	3.812	-0.003	1.000	342		22.71(4.11-12.34)		4.1	M
D 19 13C5 PFNA										
468.00 > 423.00	3.809	3.812	-0.003	1.098	1823320	1.13		90.3	4213	
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.115	4.116	-0.001	1.000	12539	0.008614	Target=9.67		8.2	M
513.00 > 169.00	4.115	4.116	-0.001	1.000	1855		6.76(4.83-14.50)		10.5	M
D 23 13C2 PFDA										M
515.00 > 470.00	4.115	4.116	-0.001	1.186	1730147	1.10		88.1	1782	M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.103	4.127	-0.024	0.997	234	0.001259			6.7	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.115	4.127	-0.012	1.186	230408	0.9593		80.1	787	
D 21 13C8 FOSA										M
506.00 > 78.00	4.160	4.161	-0.001	1.199	1339245	0.9738		77.9	1621	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.183	4.161	0.022	1.005	1366	0.001251			5.8	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.249	4.261	-0.012	0.997	146	0.001140			0.9	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.260	4.261	-0.001	1.228	180323	0.8562		68.5	1129	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.353	4.365	-0.012	1.149	8680	0.0211	Target=2.80		14.0	M
599.00 > 99.00	4.353	4.365	-0.012	1.149	3402		2.55(1.40-4.20)		15.2	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.386	4.387	-0.001	1.264	1271832	1.07		85.5	2424	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
31 Perfluoroundecanoic acid										RM
563.00 > 519.00	4.375	4.387	-0.012	0.997	3662	0.003397	Target=9.07		3.0	RM
563.00 > 169.00	4.398	4.387	0.011	1.003	132		27.74(4.54-13.61)		1.8	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.398	4.399	-0.001	1.003	459	0.003627			11.3	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.386	4.399	-0.013	1.264	174214	0.8739		69.9	686	
D 36 13C2 PFDoA										M
615.00 > 570.00	4.622	4.633	-0.011	1.332	1360505	1.10		88.2	1390	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.622	4.633	-0.011	1.000	3499	0.003170	Target=6.97		0.6	
613.00 > 169.00	4.622	4.633	-0.011	1.000	462		7.57(3.48-10.45)		6.3	M
41 Perfluorotridecanoic acid										RM
663.00 > 619.00	4.858	4.859	-0.001	1.051	2061	0.002154	Target=4.56		0.5	RM
663.00 > 169.00	4.847	4.859	-0.012	1.049	217		9.50(2.28-6.84)		3.4	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.041	5.052	-0.011	1.453	1171819	1.16		93.0	2415	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.041	5.052	-0.011	1.000	284	0.001891	Target=0.94		5.2	M
713.00 > 219.00	5.041	5.052	-0.011	1.000	544		0.52(0.47-1.41)		12.2	M

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Report Date: 05-Aug-2022 12:54:37 Chrom Revision: 2.3 04-Aug-2022 18:02:28

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B11.d

Injection Date: 04-Aug-2022 15:23:00 Instrument ID: LC812

Lims ID: 460-262897-A-3-A Lab Sample ID: 200-262897-3

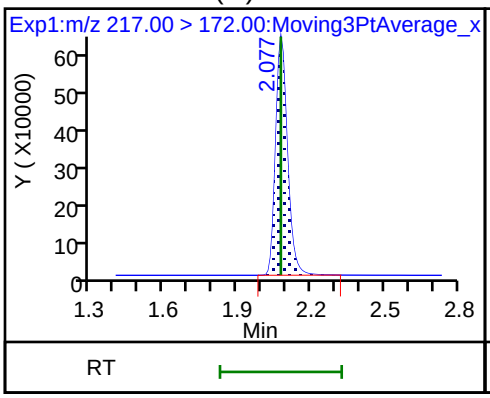
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Operator ID: lc812tech ALS Bottle#: 11 Worklist Smp#: 11

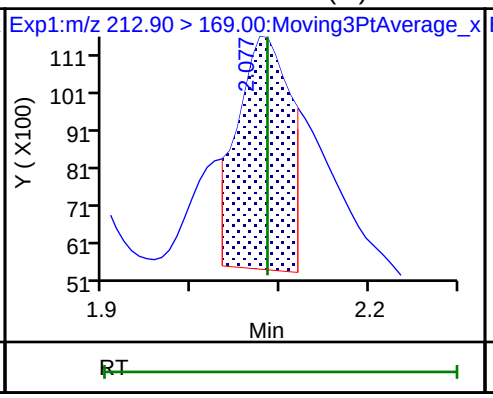
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

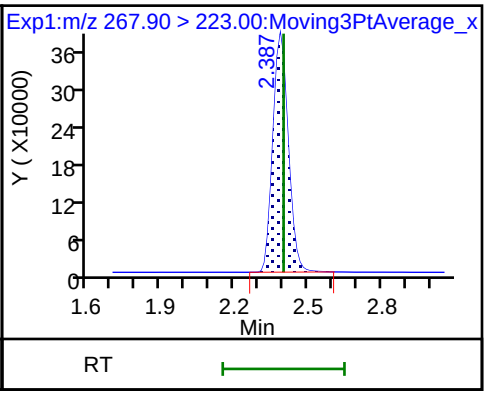
D 1 13C4 PFBA (M)



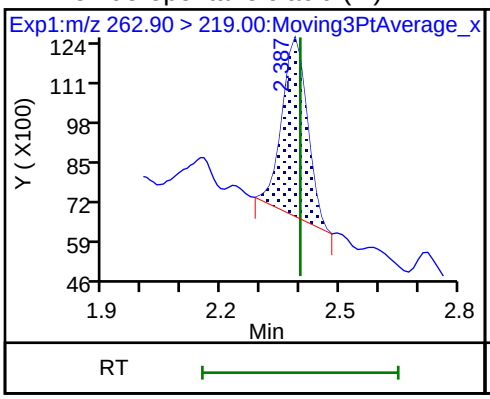
2 Perfluorobutanoic acid (M)



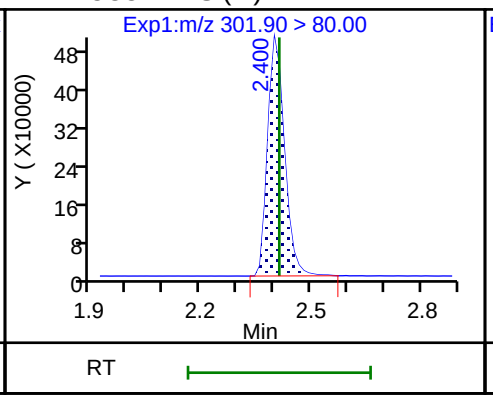
D 3 13C5 PFPeA



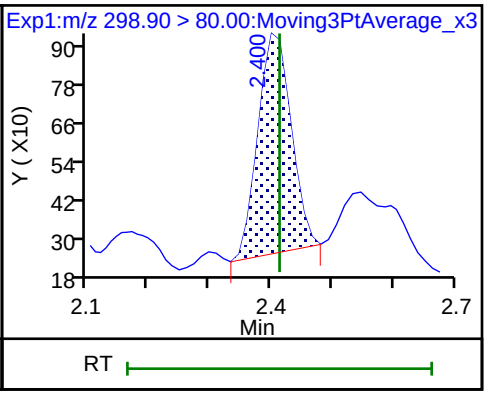
4 Perfluoropentanoic acid (M)



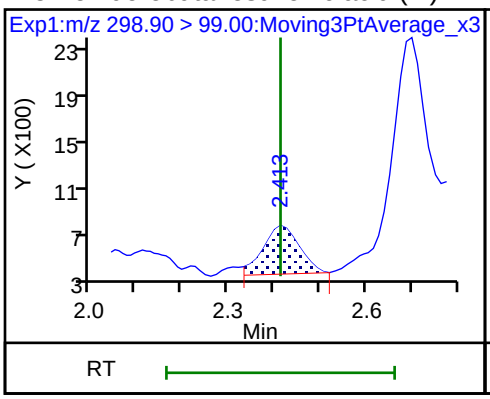
D 47 13C3 PFBS (M)



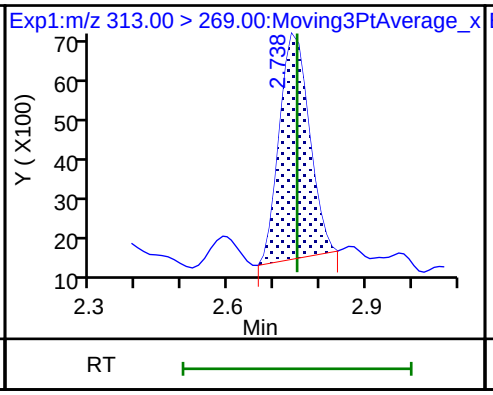
5 Perfluorobutanesulfonic acid



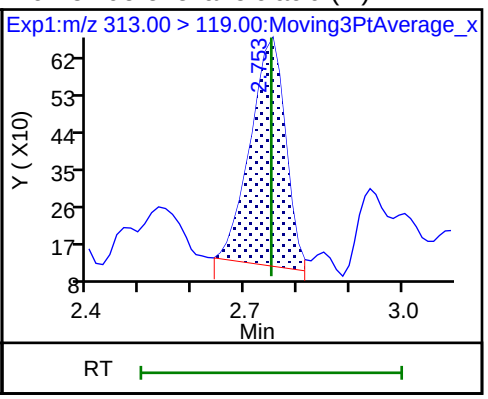
5 Perfluorobutanesulfonic acid (M)



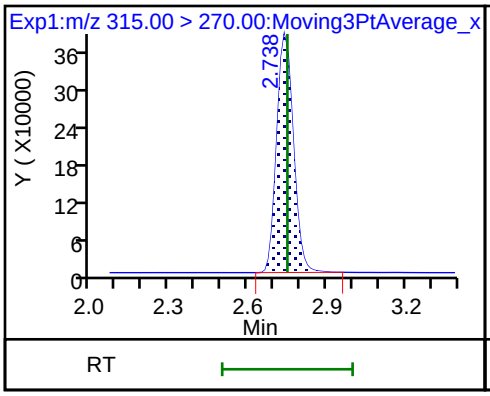
6 Perfluorohexanoic acid



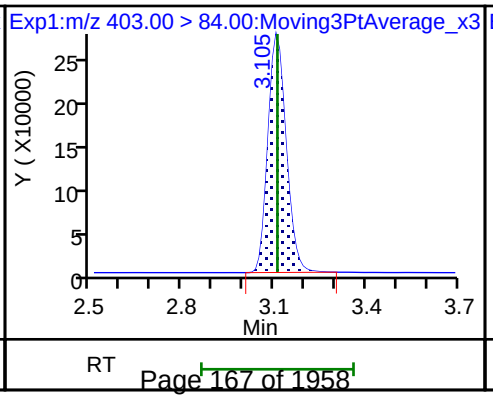
6 Perfluorohexanoic acid (M)



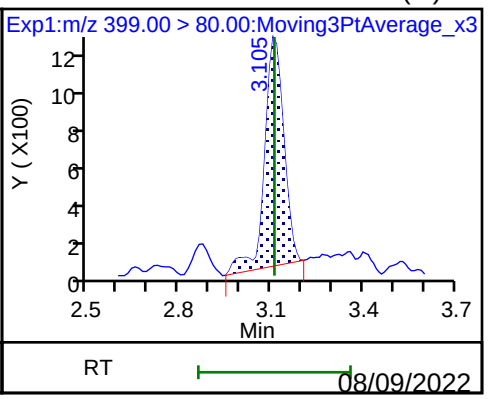
D 7 13C2 PFHxA



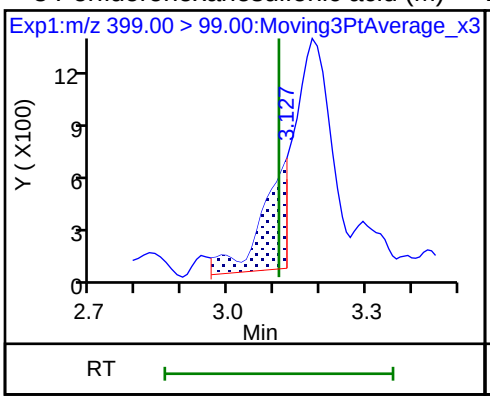
D 11 18O2 PFHxS



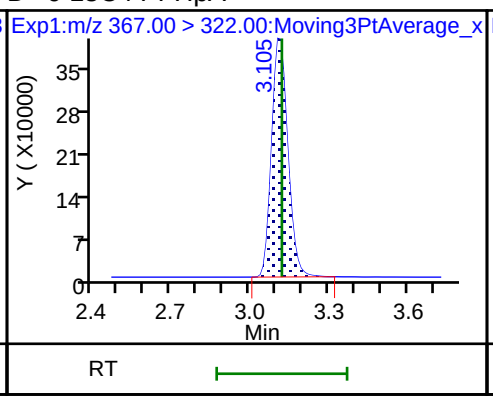
8 Perfluorohexanesulfonic acid (M)



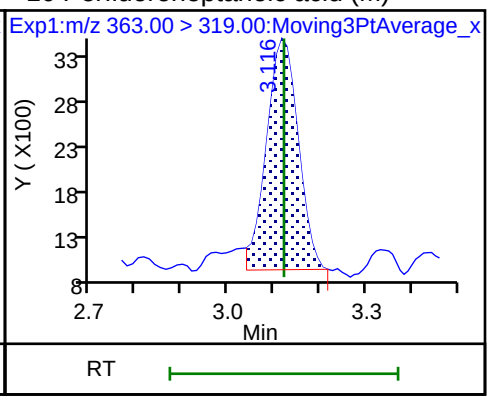
8 Perfluorohexanesulfonic acid (M)



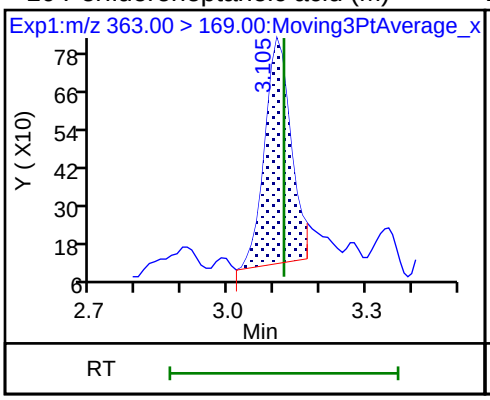
D 9 13C4 PFHpA



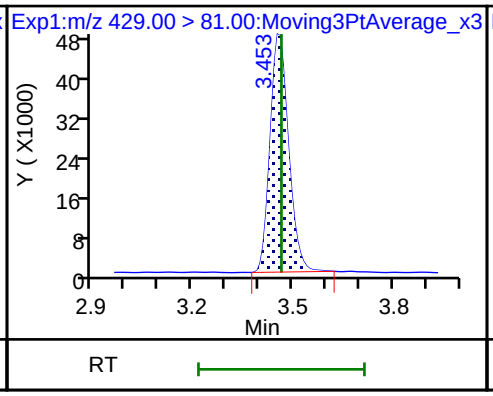
10 Perfluoroheptanoic acid (M)



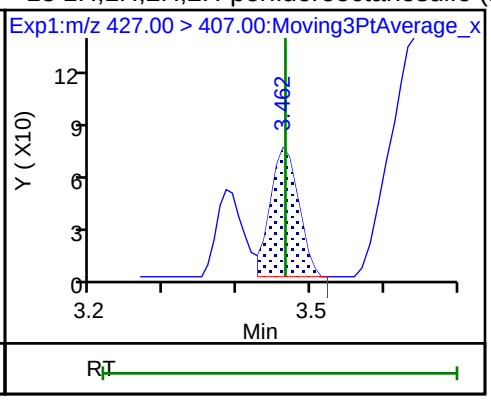
10 Perfluoroheptanoic acid (M)



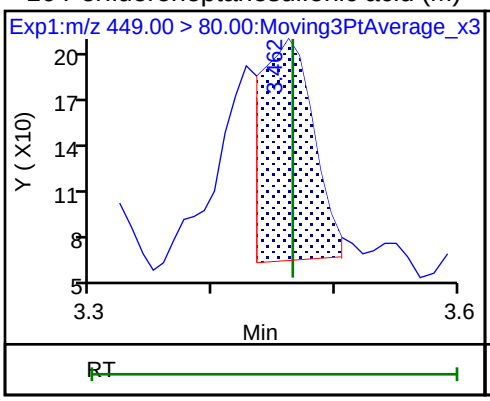
D 12 M2-6:2 FTS



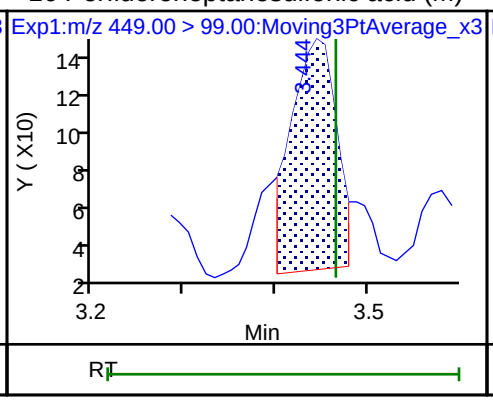
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



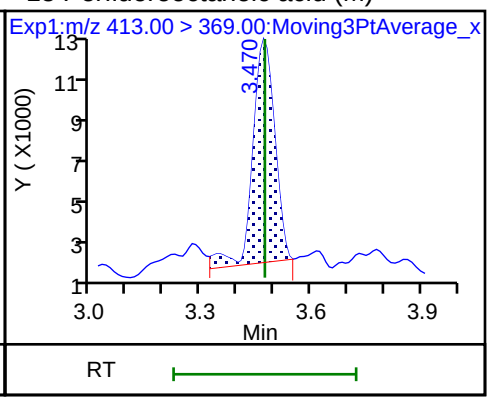
16 Perfluoroheptanesulfonic acid (M)



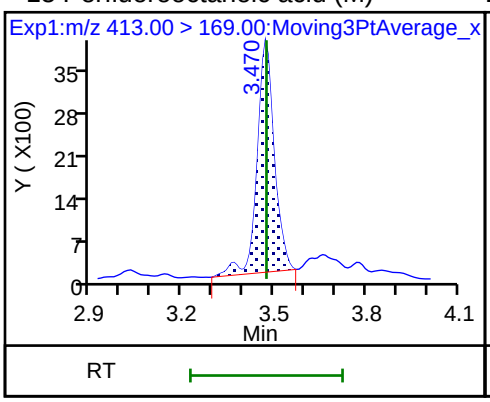
16 Perfluoroheptanesulfonic acid (M)



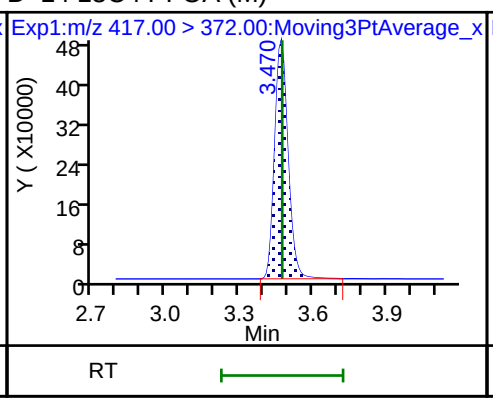
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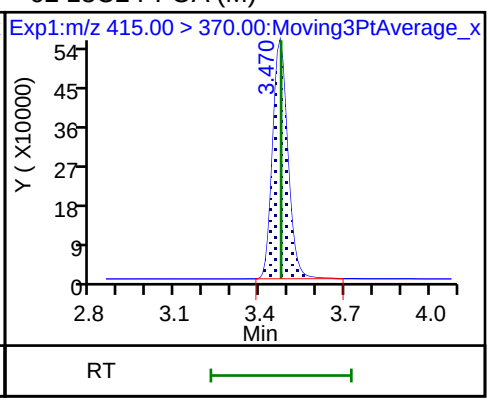
15 Perfluorooctanoic acid (M)



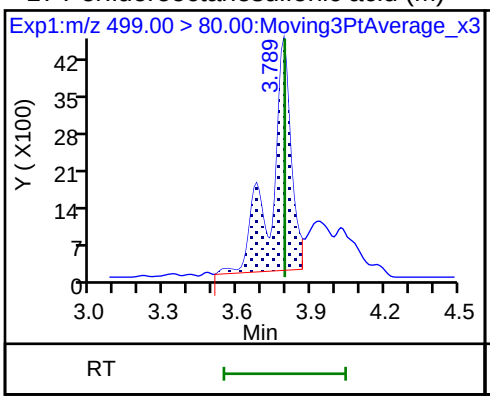
D 14 13C4 PFOA (M)



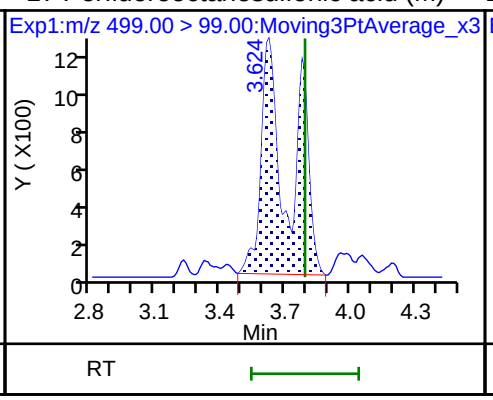
* 62 13C2 PFOA (M)



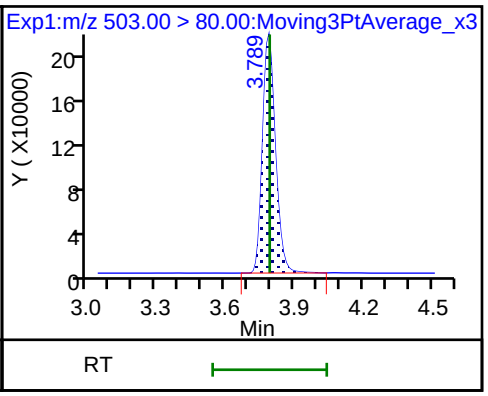
17 Perfluorooctanesulfonic acid (M)



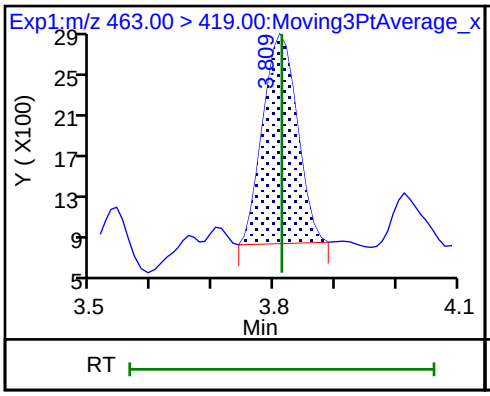
17 Perfluorooctanesulfonic acid (M)



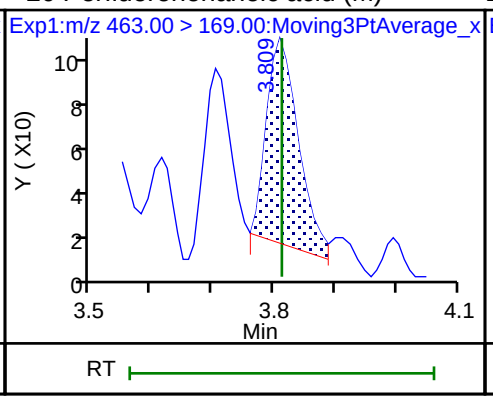
D 18 13C4 PFOS



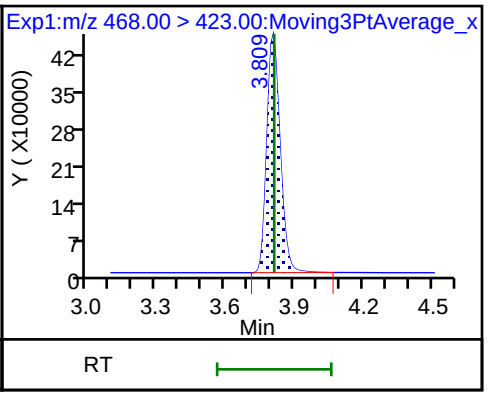
20 Perfluorononanoic acid



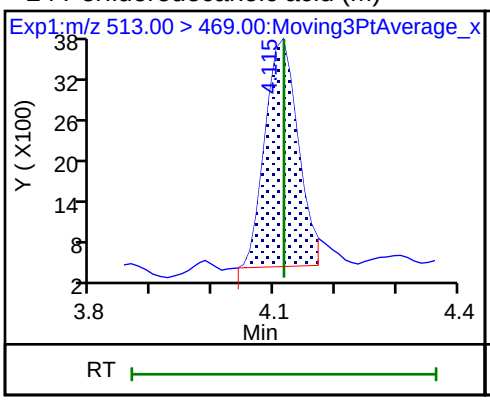
20 Perfluorononanoic acid (M)



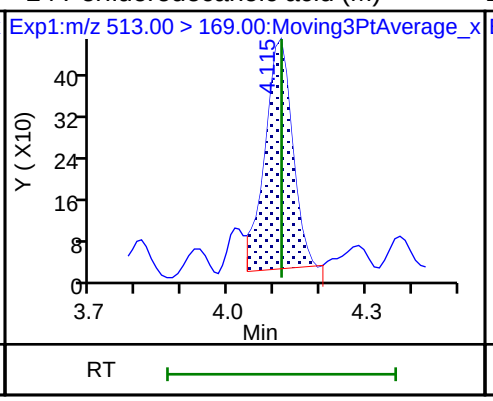
D 19 13C5 PFNA



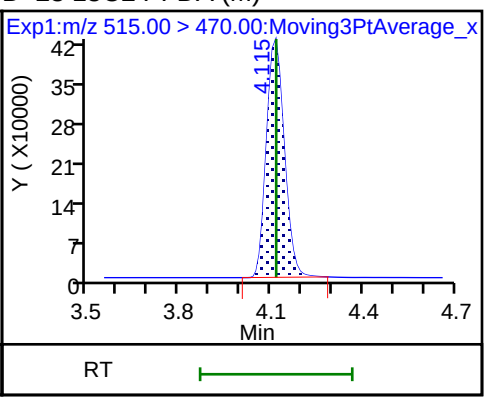
24 Perfluorodecanoic acid (M)



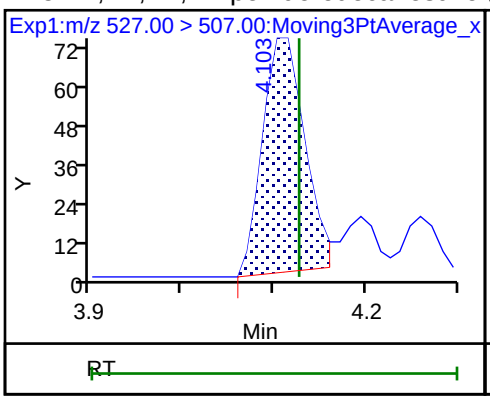
24 Perfluorodecanoic acid (M)



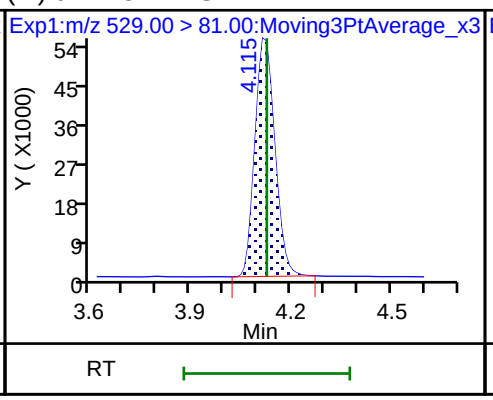
D 23 13C2 PFDA (M)



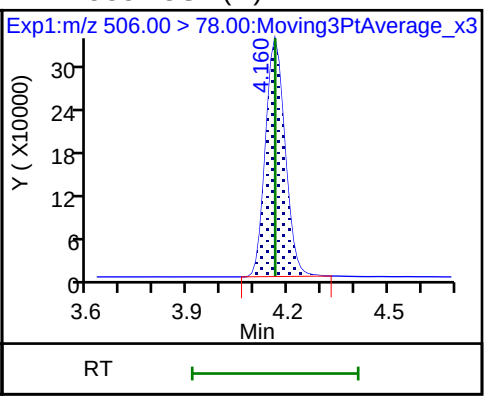
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



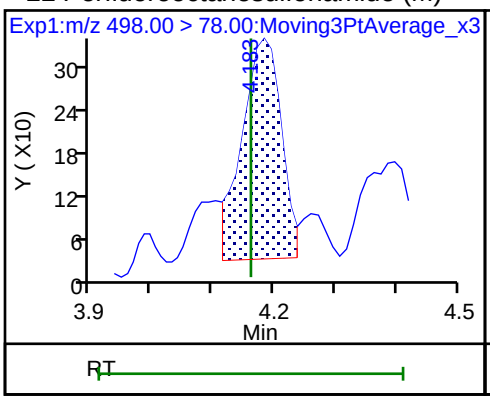
D 26 M2-8:2 FTS



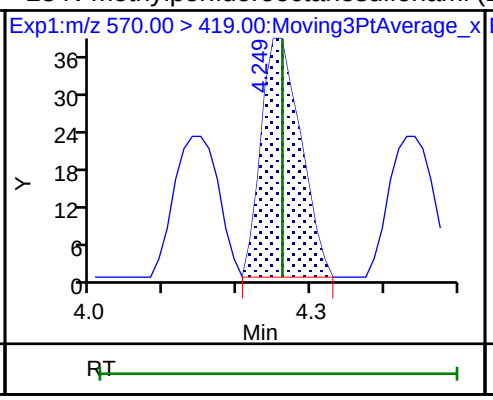
D 21 13C8 FOSA (M)



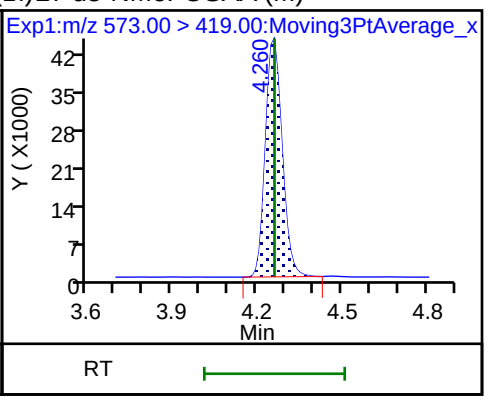
22 Perfluorooctanesulfonamide (M)



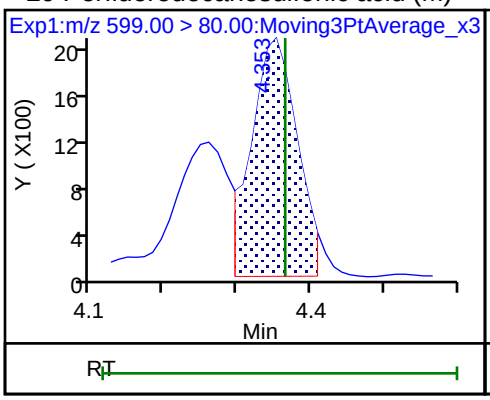
28 N-methylperfluorooctanesulfonami (M)



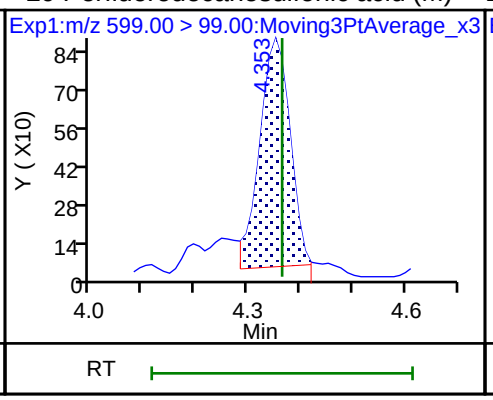
D 27 d3-NMeFOSAA (M)



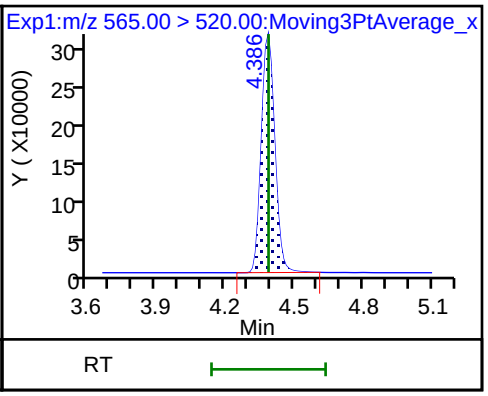
29 Perfluorodecanesulfonic acid (M)



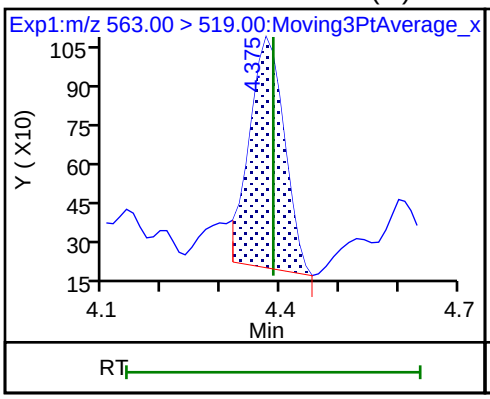
29 Perfluorodecanesulfonic acid (M)



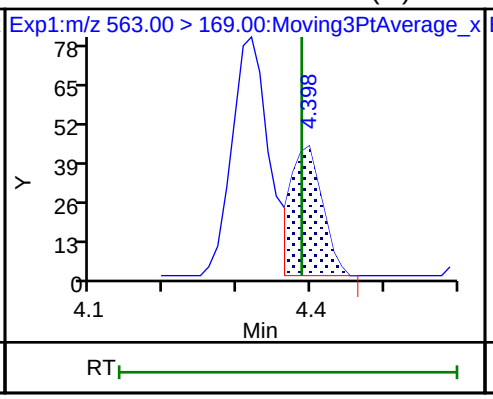
D 30 13C2 PFUnA



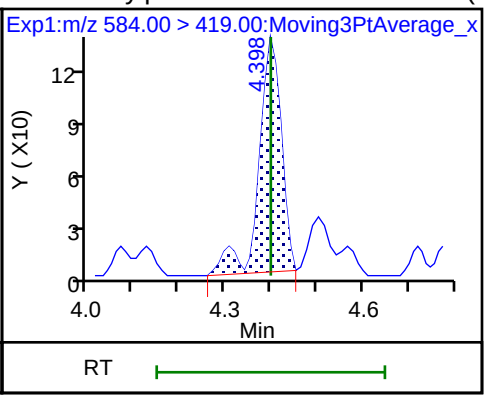
31 Perfluoroundecanoic acid (M)



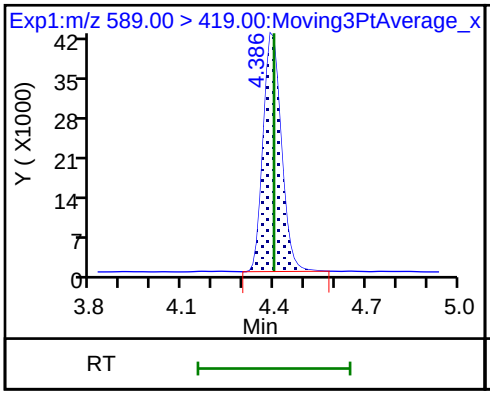
31 Perfluoroundecanoic acid (M)



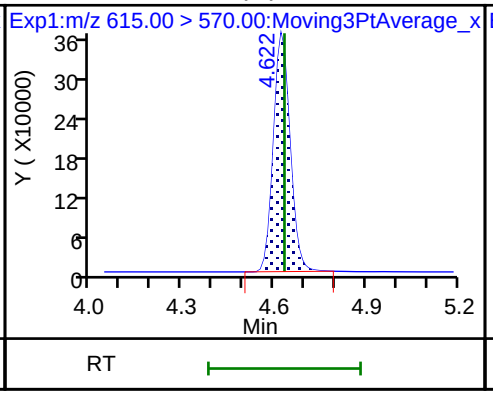
33 N-ethylperfluorooctanesulfonamid (M)



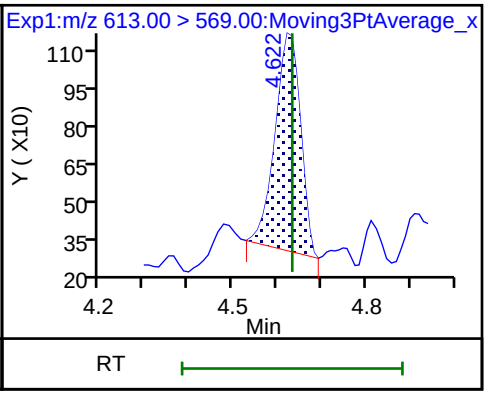
D 32 d5-NEtFOSAA



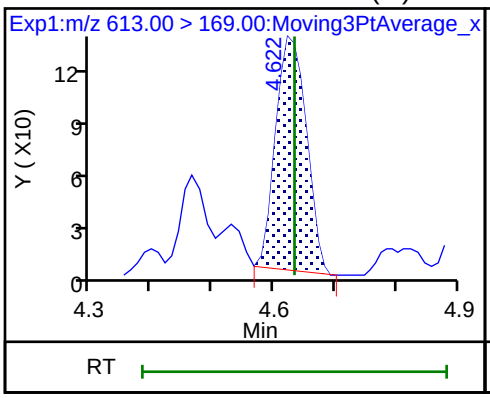
D 36 13C2 PFDoA (M)



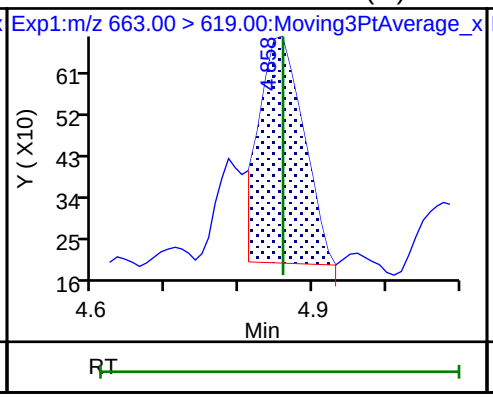
37 Perfluorododecanoic acid



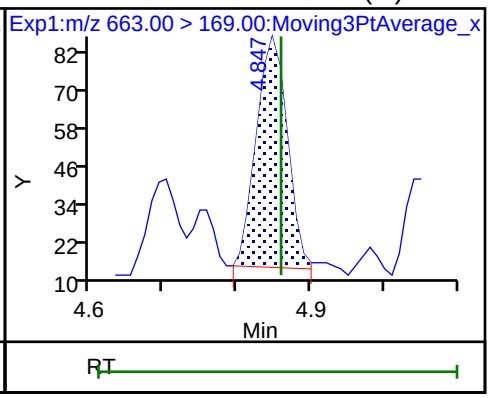
37 Perfluorododecanoic acid (M)



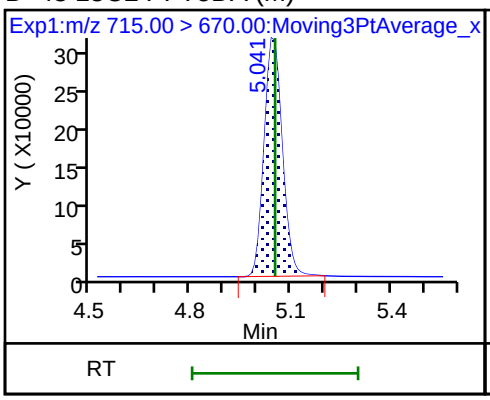
41 Perfluorotridecanoic acid (M)



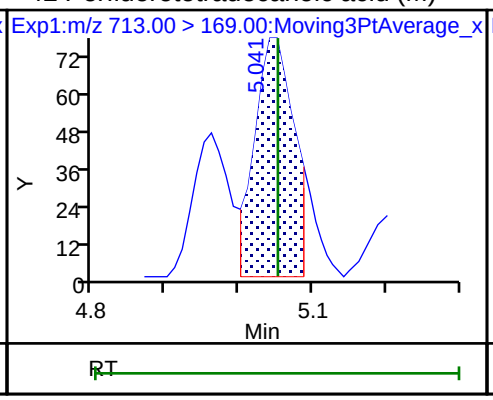
41 Perfluorotridecanoic acid (M)



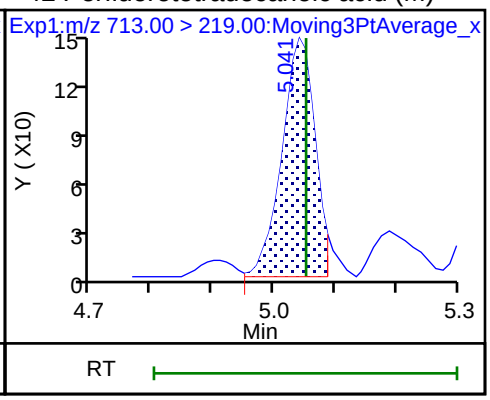
D 43 13C2 PFTeDA (M)



42 Perfluorotetradecanoic acid (M)



42 Perfluorotetradecanoic acid (M)



Eurofins Burlington

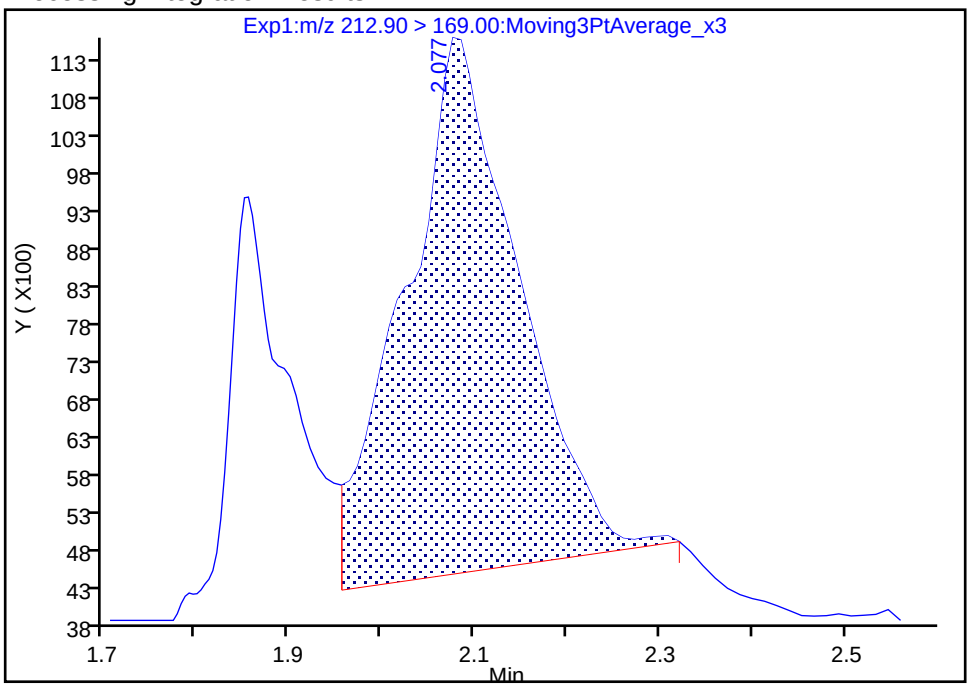
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Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
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

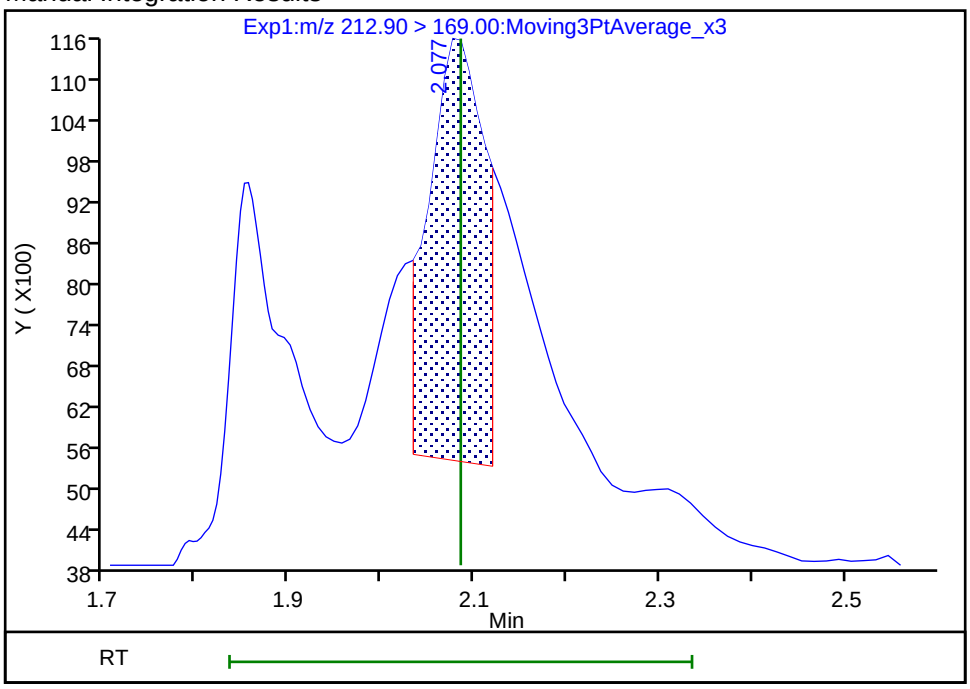
Processing Integration Results

RT: 2.08
Area: 61415
Amount: 0.036925
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 25218
Amount: 0.015206
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:34:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

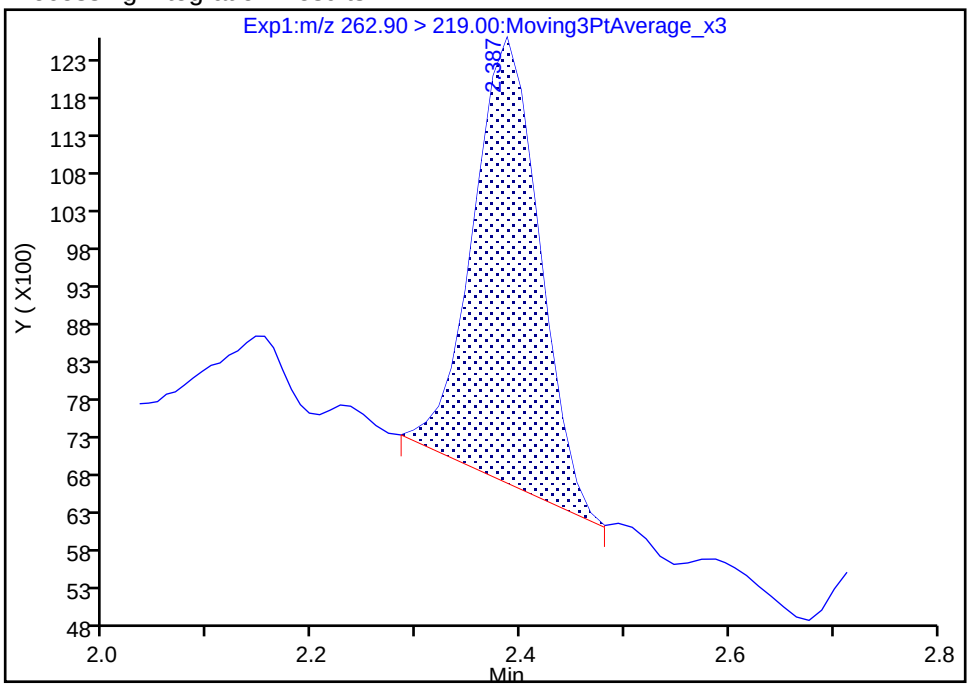
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Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

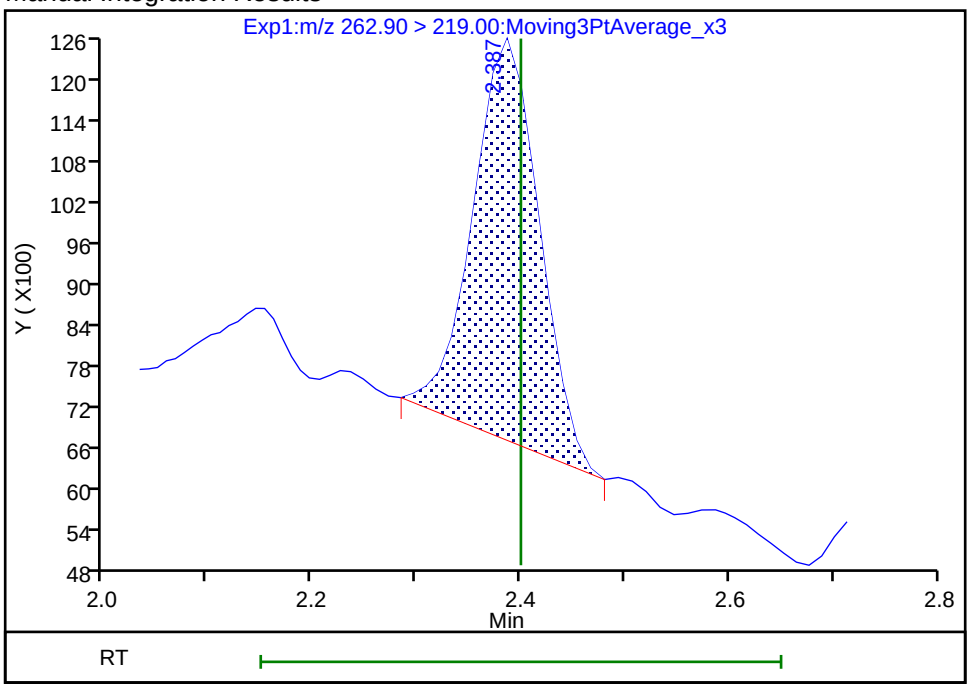
Processing Integration Results

RT: 2.39
Area: 26175
Amount: 0.018970
Amount Units: ng/ml



Manual Integration Results

RT: 2.39
Area: 26040
Amount: 0.018873
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:34:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

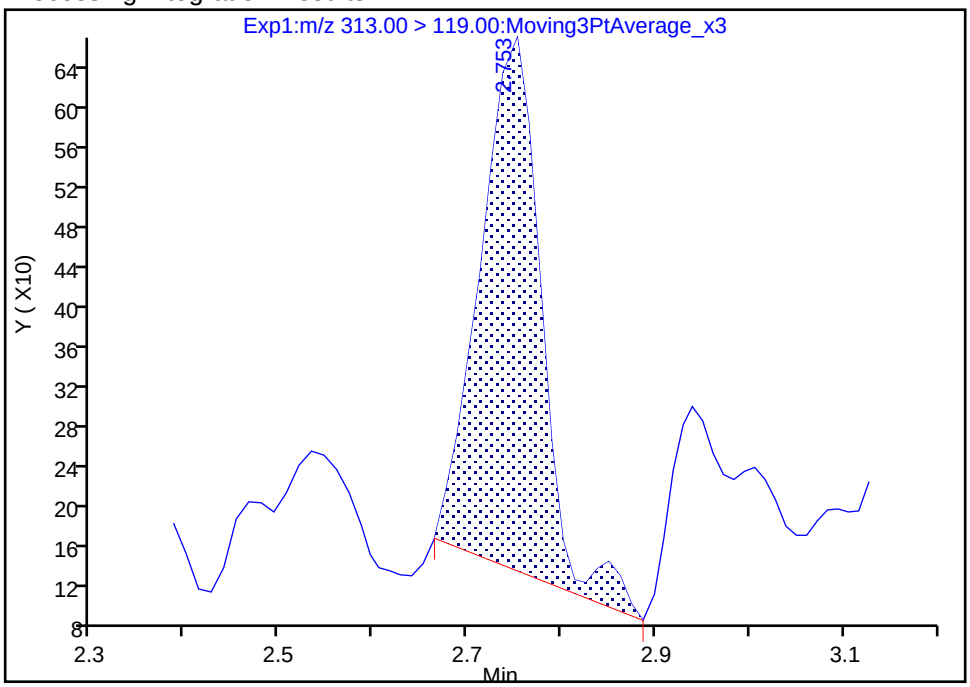
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Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

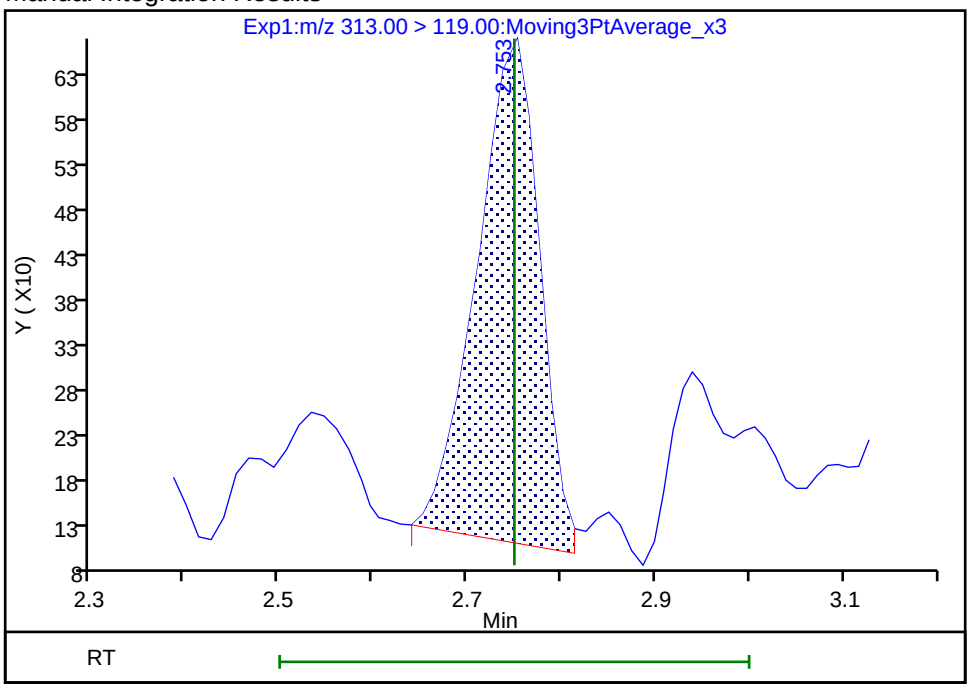
Processing Integration Results

RT: 2.75
Area: 2378
Amount: 0.018679
Amount Units: ng/ml



Manual Integration Results

RT: 2.75
Area: 2543
Amount: 0.018679
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:34:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

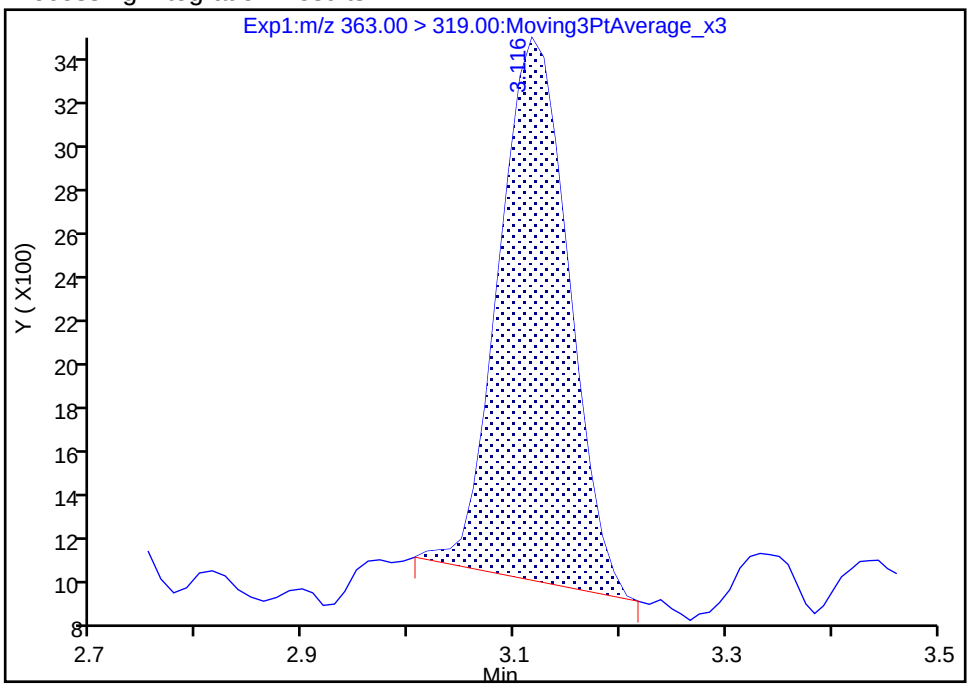
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Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

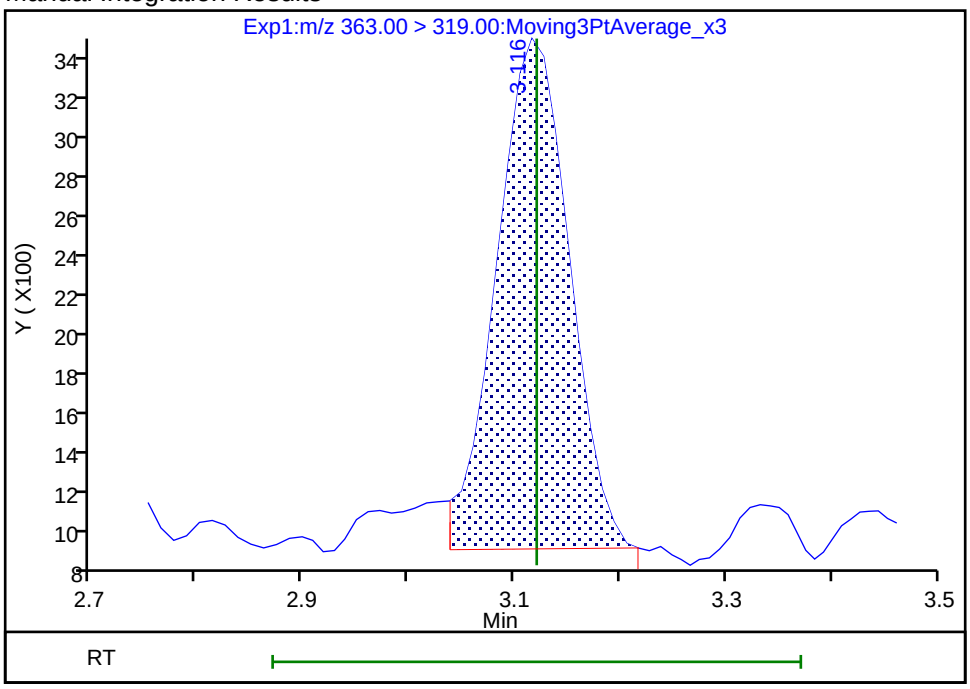
Processing Integration Results

RT: 3.12
Area: 11368
Amount: 0.008158
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 12233
Amount: 0.008779
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:34:59

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

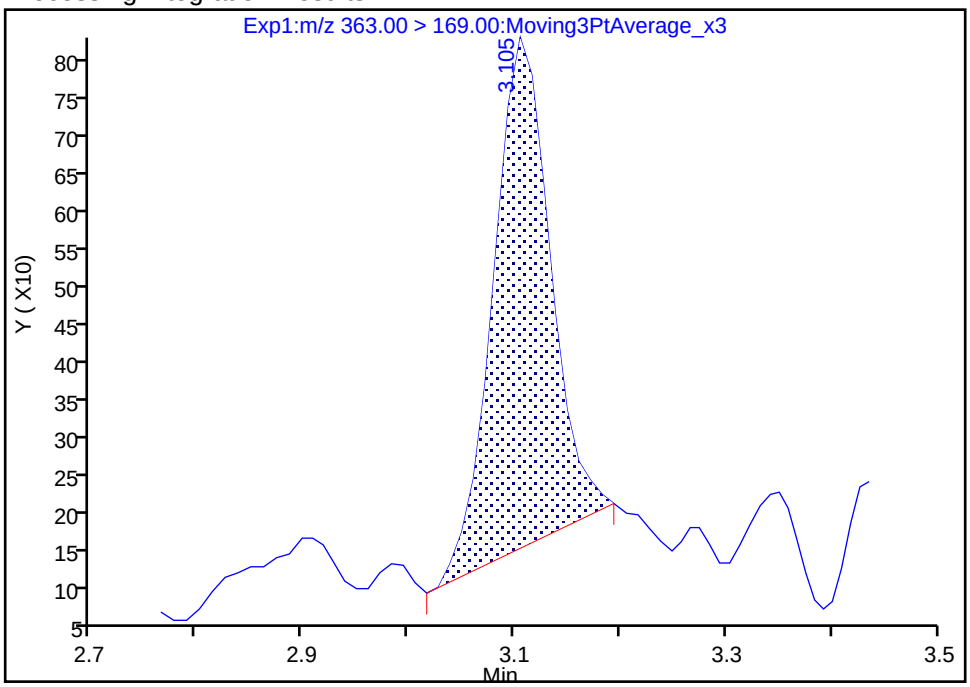
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Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
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

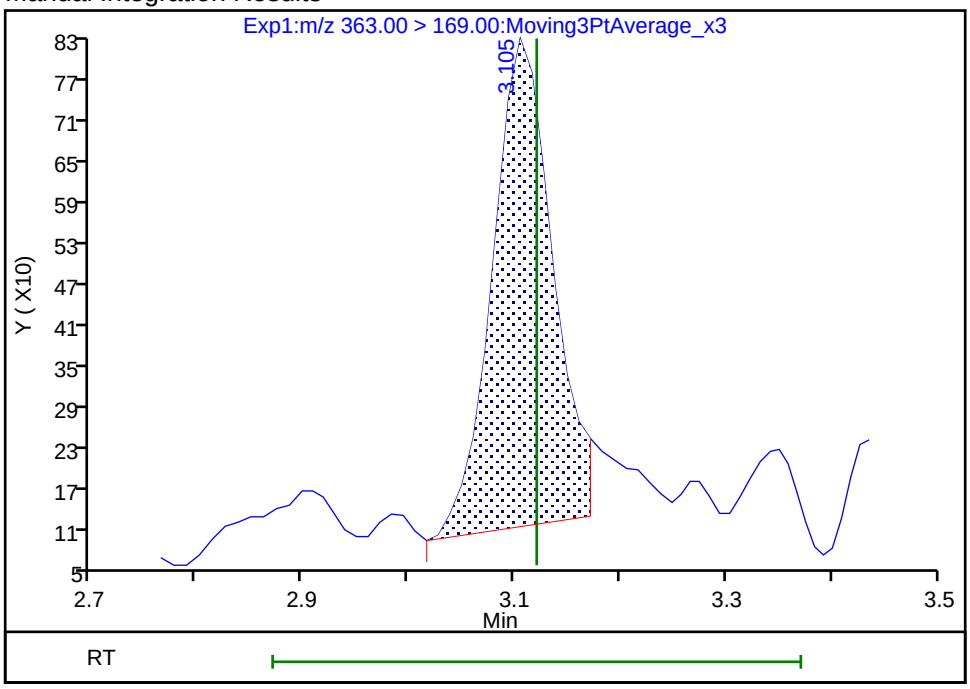
Processing Integration Results

RT: 3.11
Area: 2538
Amount: 0.008158
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 2827
Amount: 0.008779
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:35:01
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

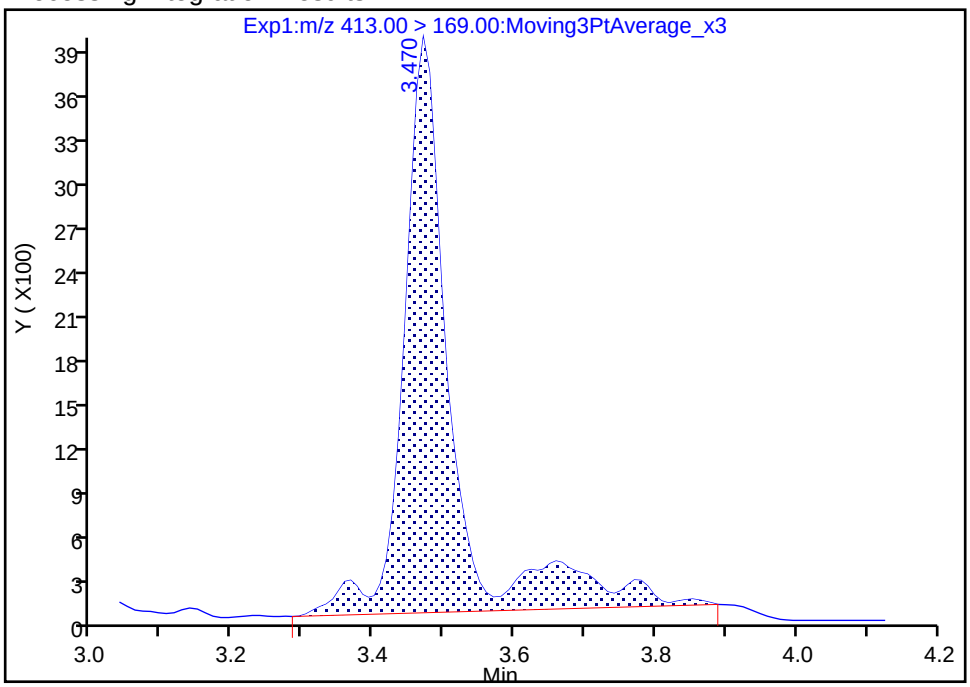
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Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

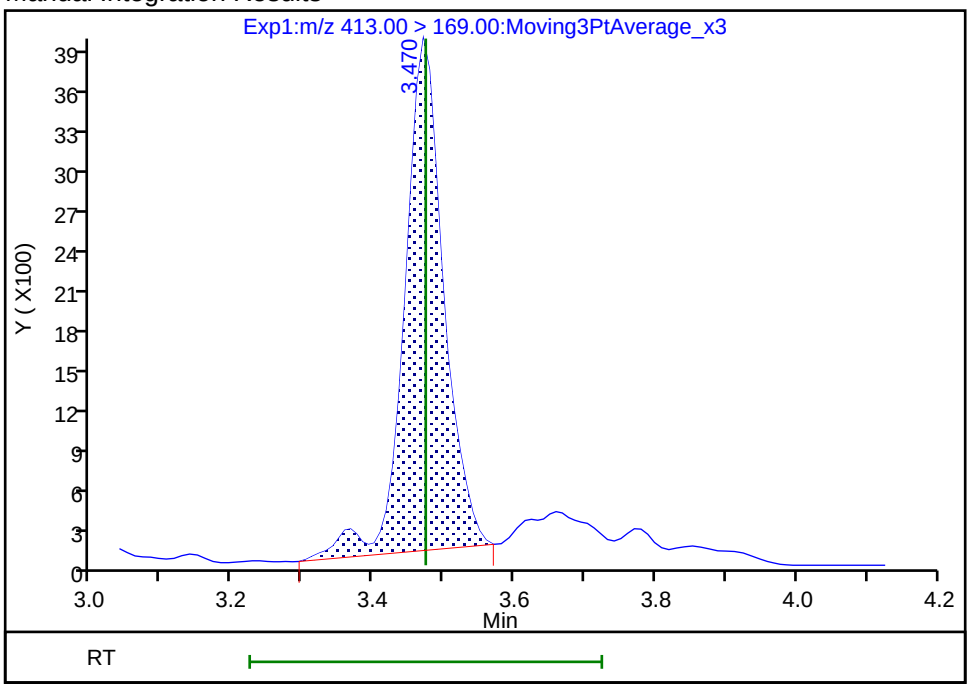
Processing Integration Results

RT: 3.47
Area: 18265
Amount: 0.026637
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 14648
Amount: 0.025802
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:35:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

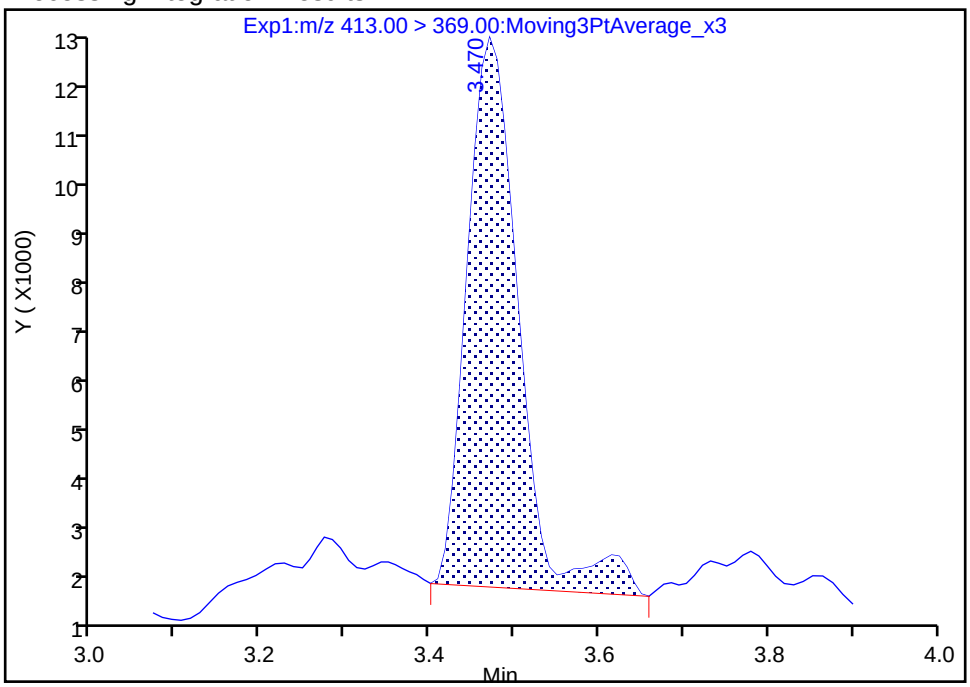
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Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
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

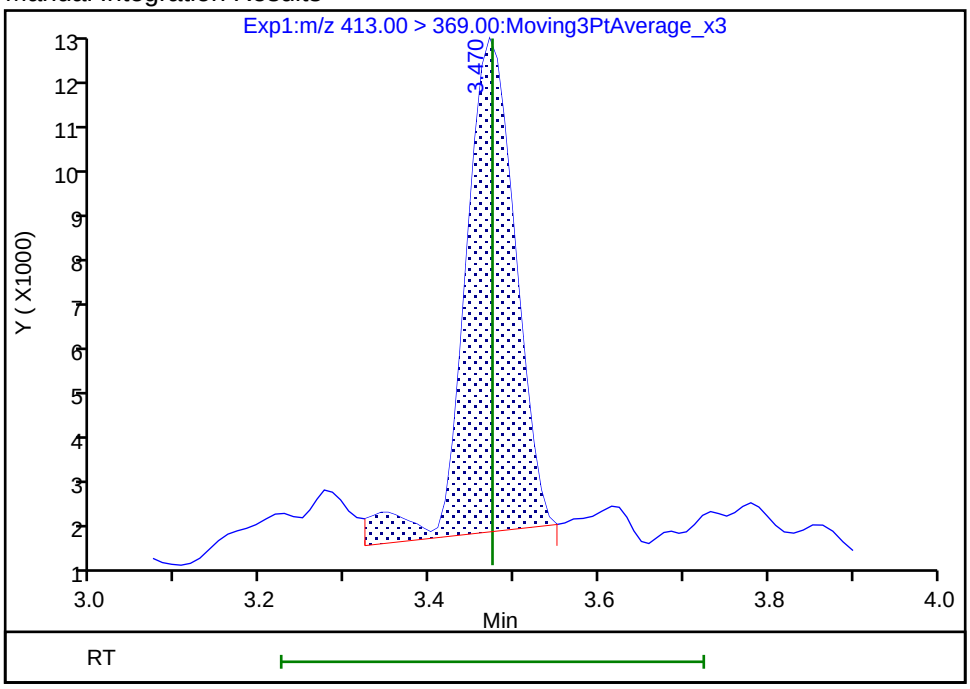
Processing Integration Results

RT: 3.47
Area: 43508
Amount: 0.026637
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 42145
Amount: 0.025802
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:35:53
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

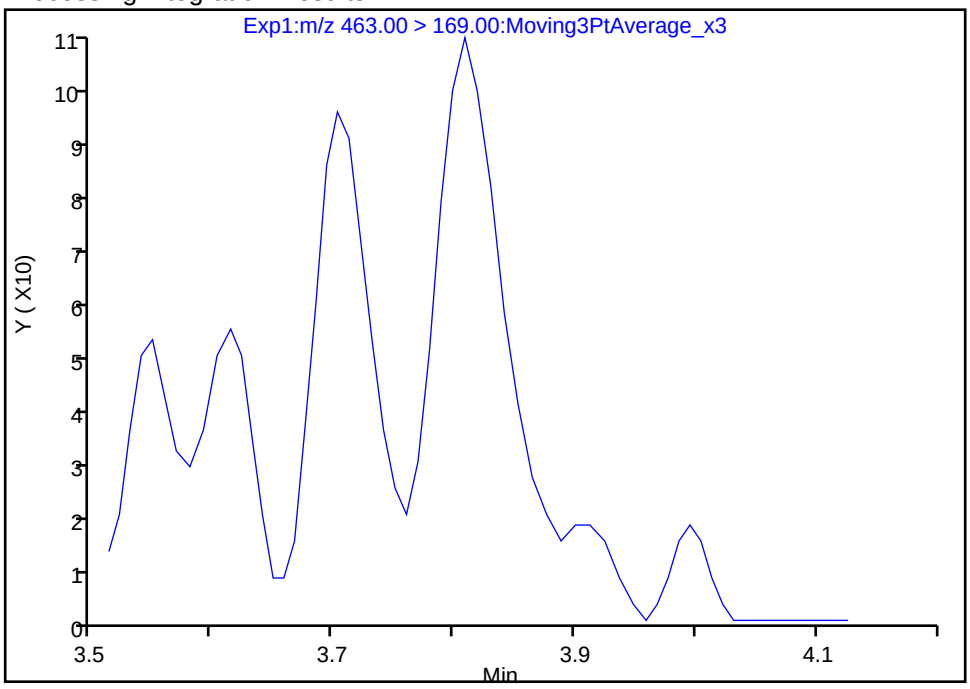
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B11.d				
Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	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

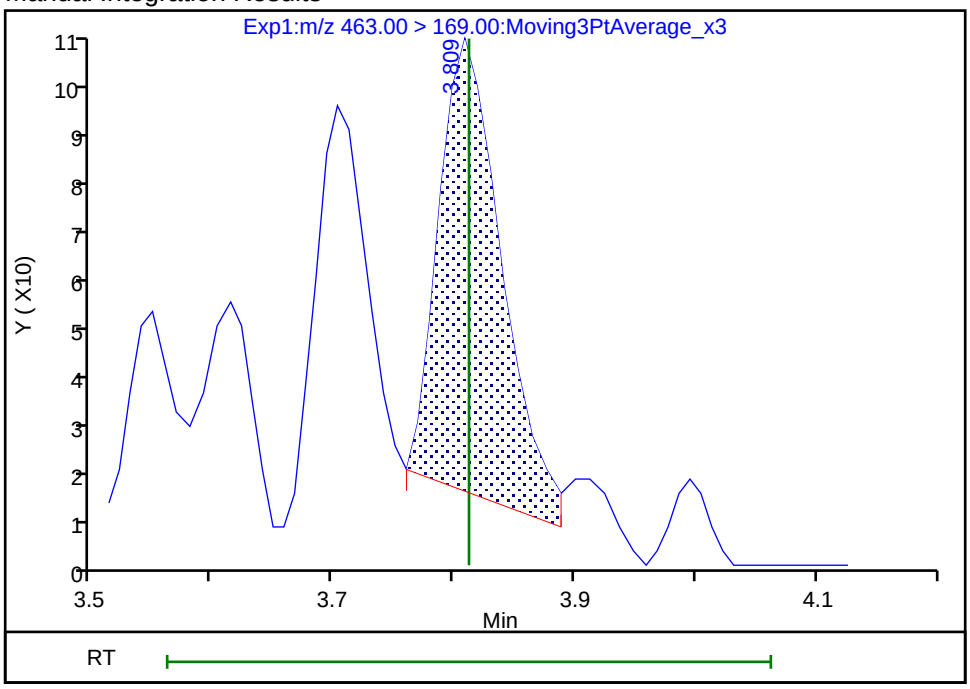
Not Detected
Expected RT: 3.81

Processing Integration Results



Manual Integration Results

RT: 3.81
Area: 342
Amount: 0.005233
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:36:29
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

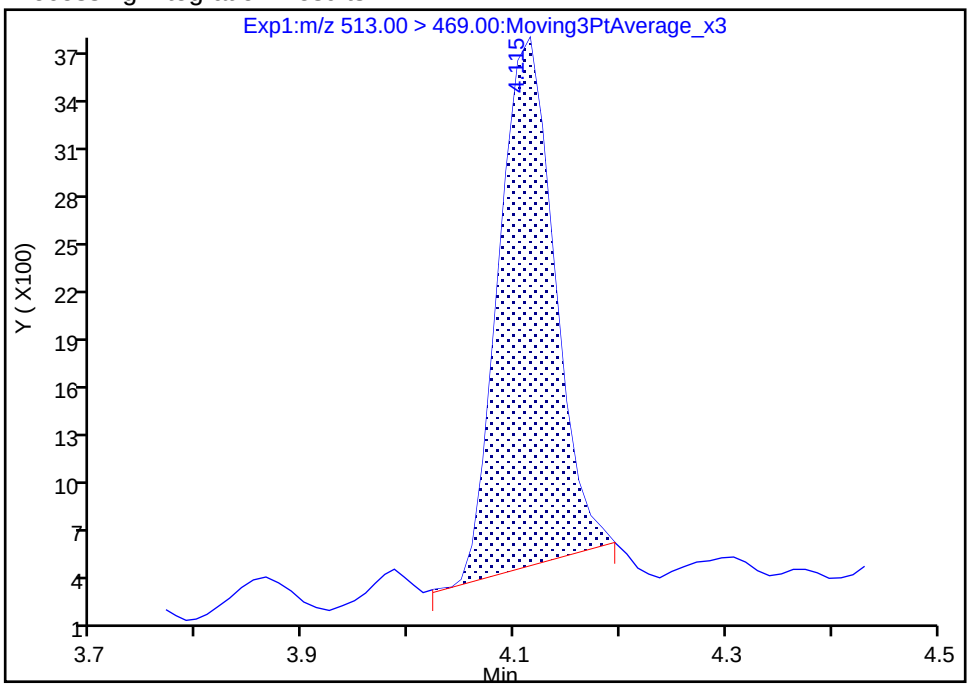
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B11.d				
Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

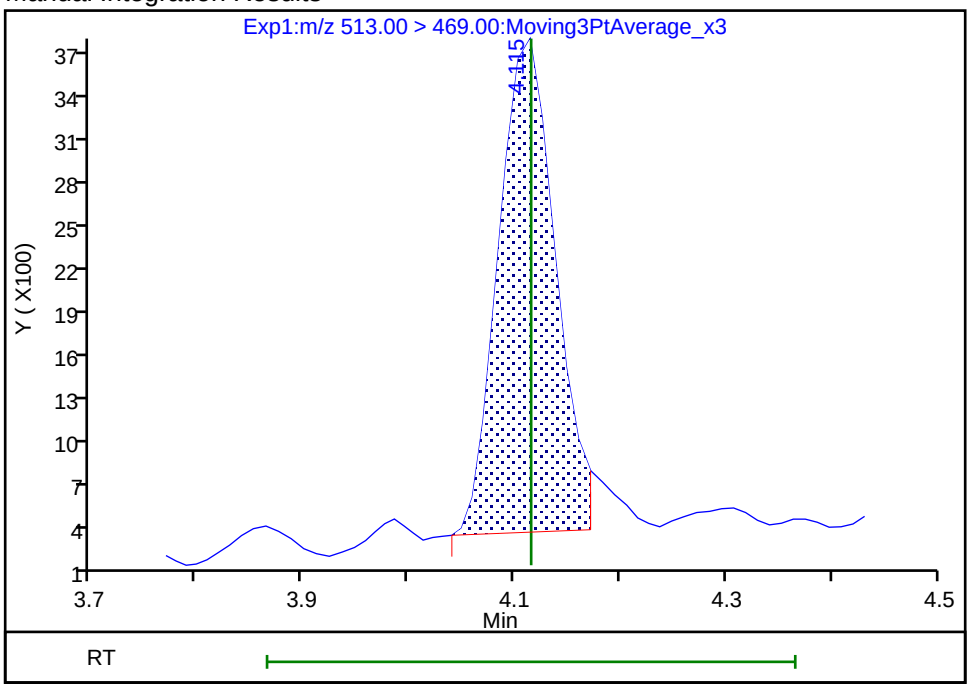
Processing Integration Results

RT: 4.11
Area: 11919
Amount: 0.008127
Amount Units: ng/ml



Manual Integration Results

RT: 4.11
Area: 12539
Amount: 0.008614
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:36:40

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

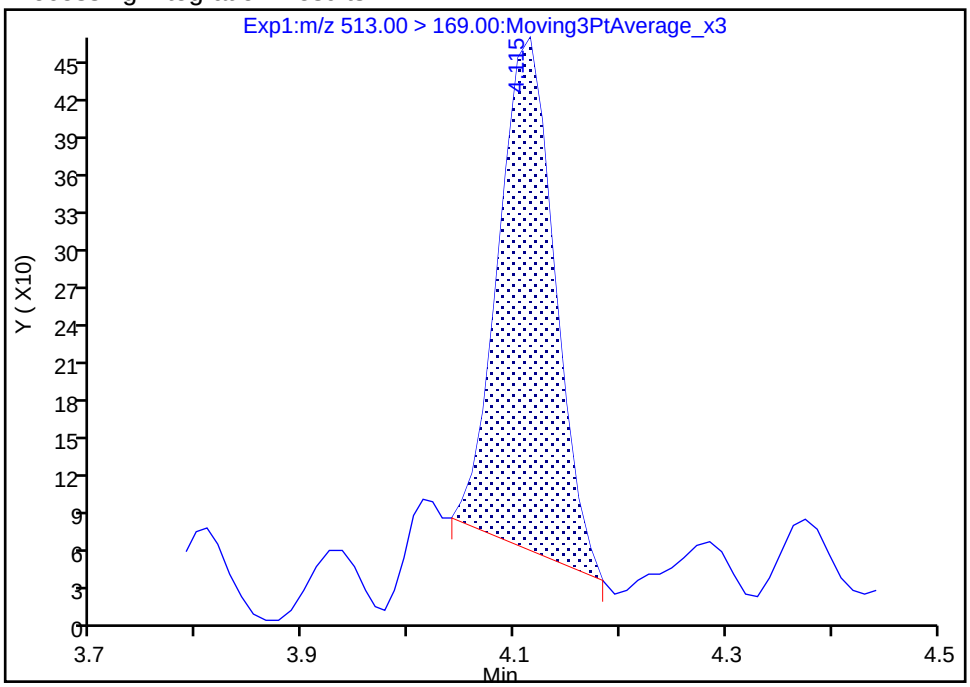
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B11.d				
Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	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

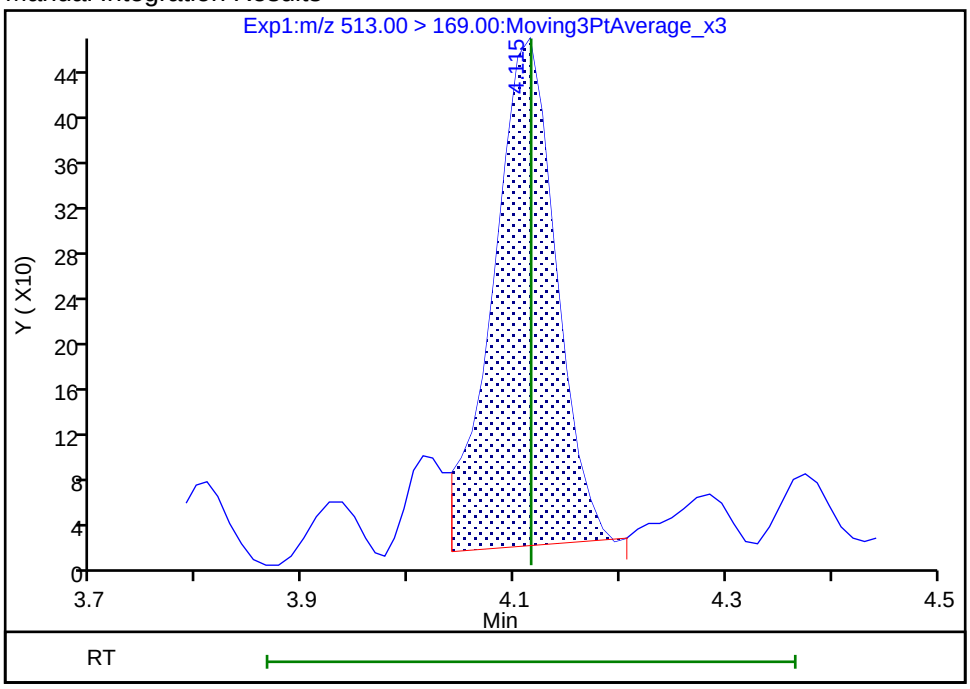
Processing Integration Results

RT: 4.11
Area: 1512
Amount: 0.008127
Amount Units: ng/ml



Manual Integration Results

RT: 4.11
Area: 1855
Amount: 0.008614
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:36:42

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

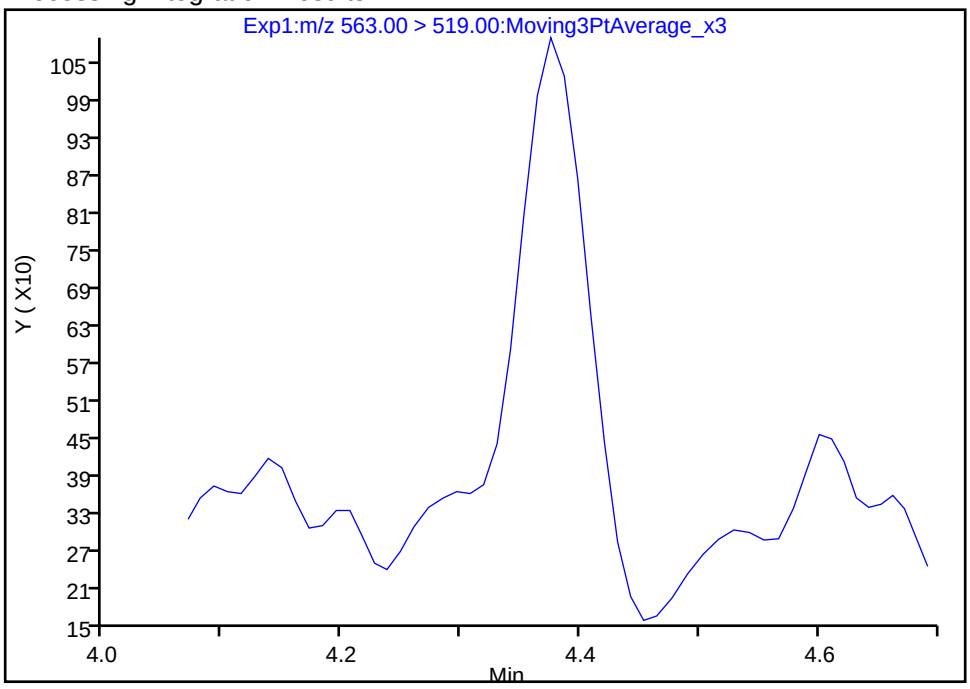
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B11.d				
Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	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

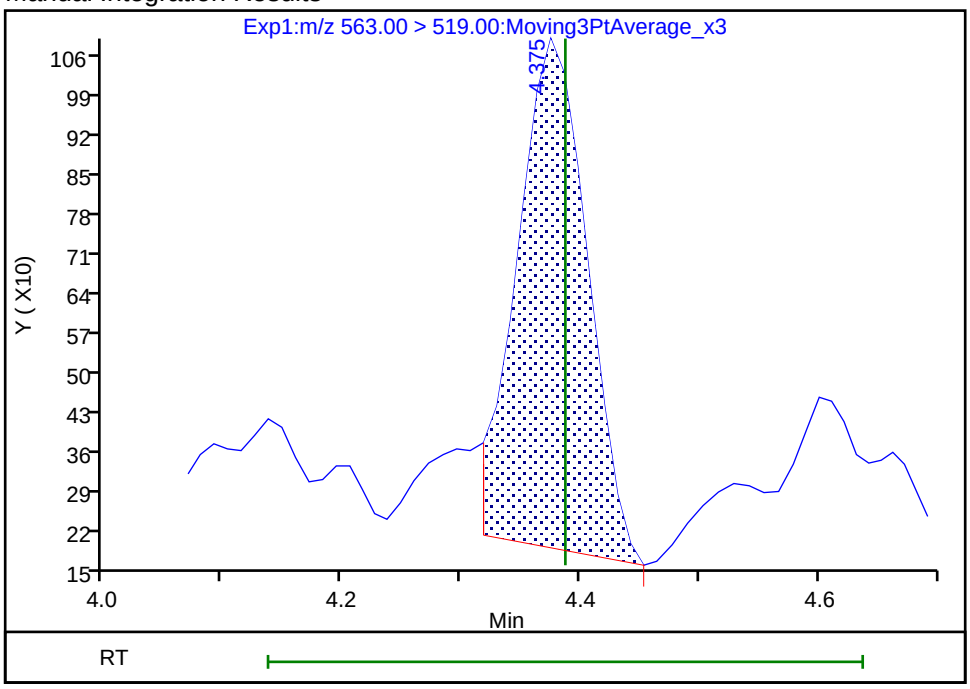
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.38
Area: 3662
Amount: 0.003397
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:37:58
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

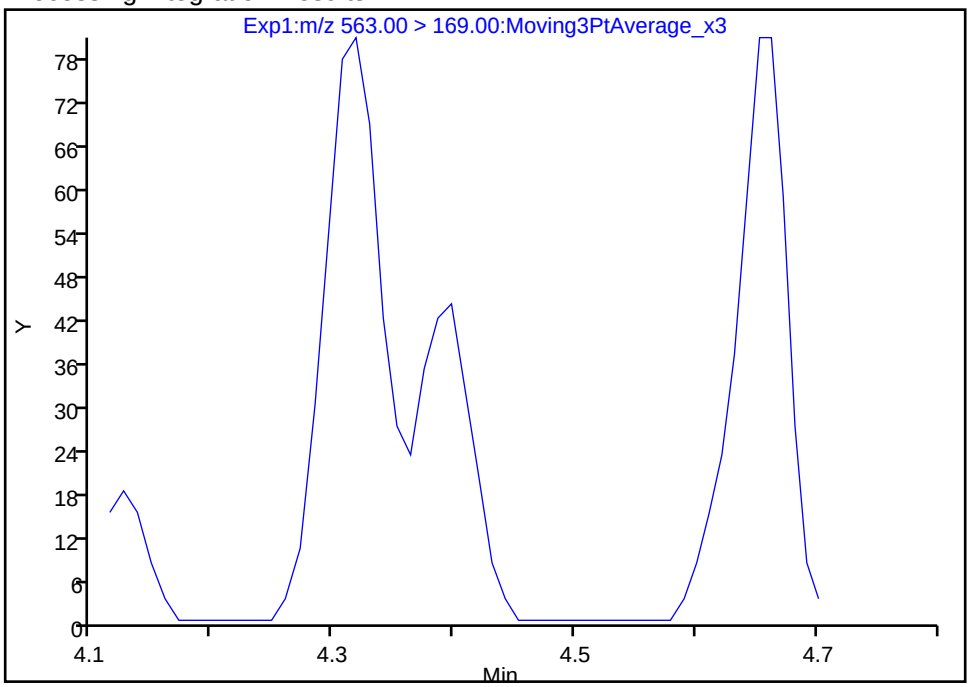
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B11.d				
Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

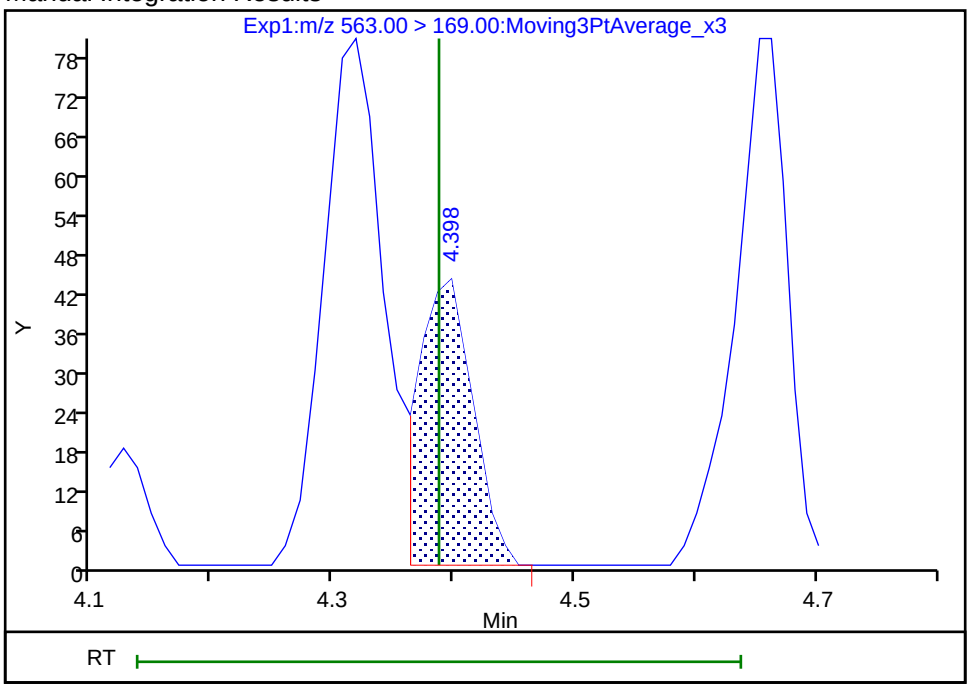
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.40
Area: 132
Amount: 0.003397
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:38:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

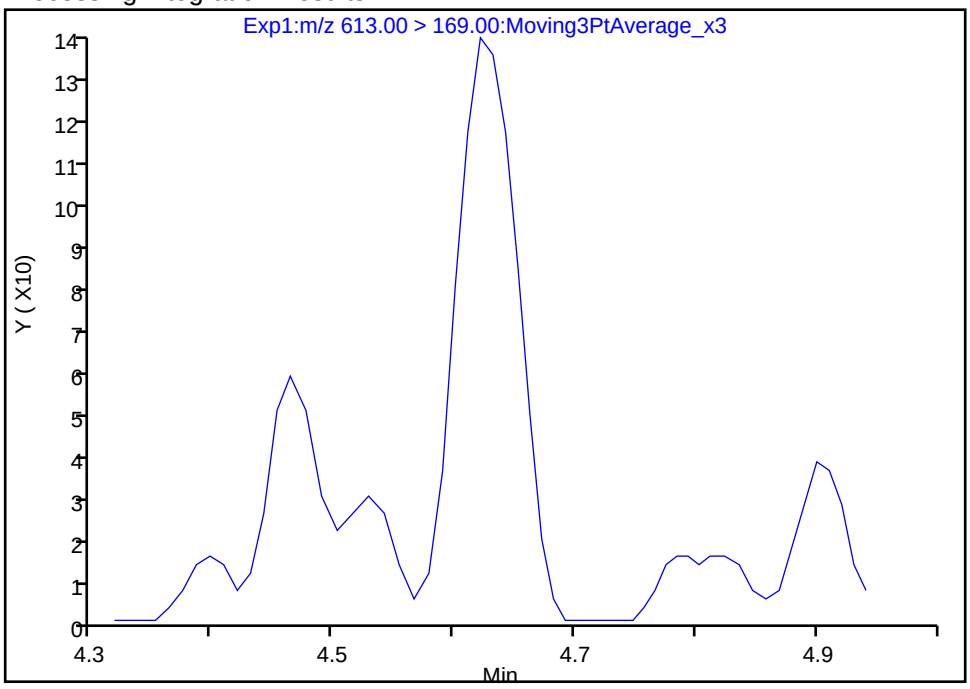
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B11.d				
Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	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

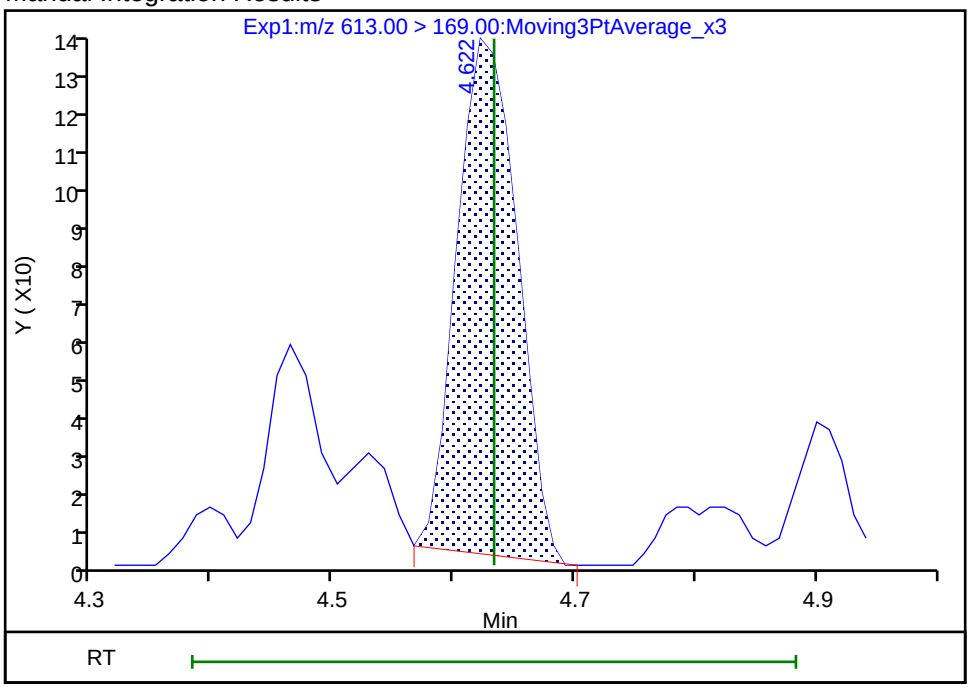
Processing Integration Results

Not Detected
Expected RT: 4.63



Manual Integration Results

RT: 4.62
Area: 462
Amount: 0.003170
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:38:11
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

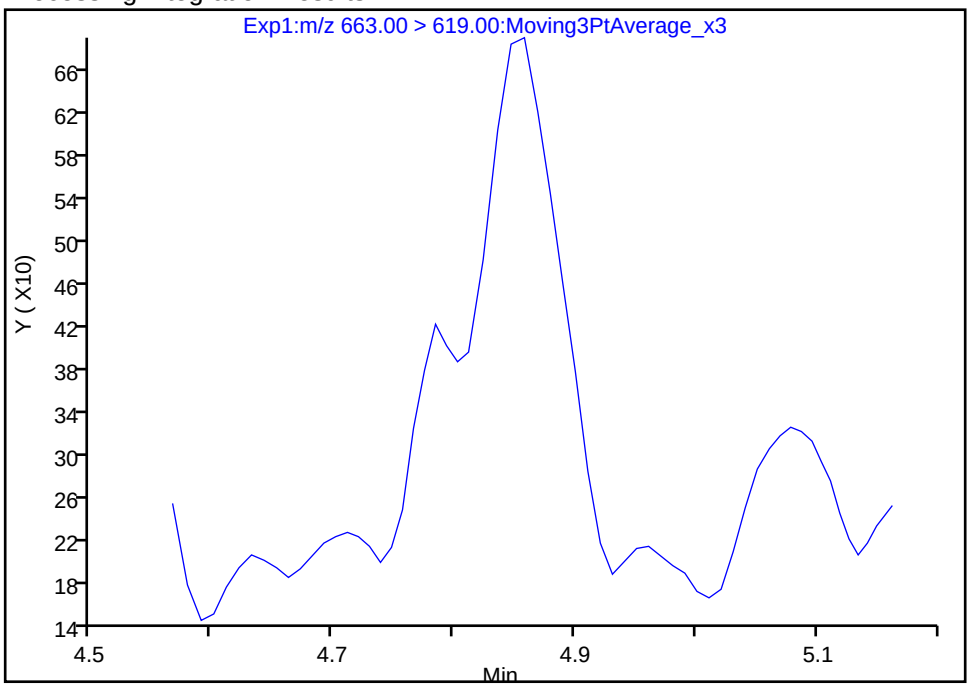
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B11.d				
Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	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

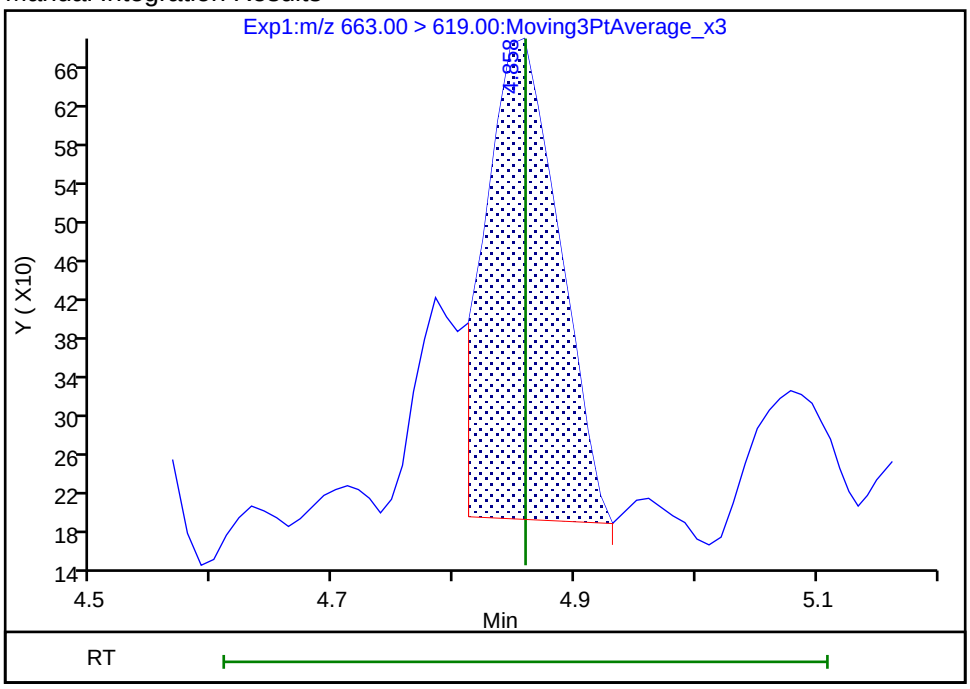
Not Detected
Expected RT: 4.86

Processing Integration Results



Manual Integration Results

RT: 4.86
Area: 2061
Amount: 0.002154
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:38:22
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

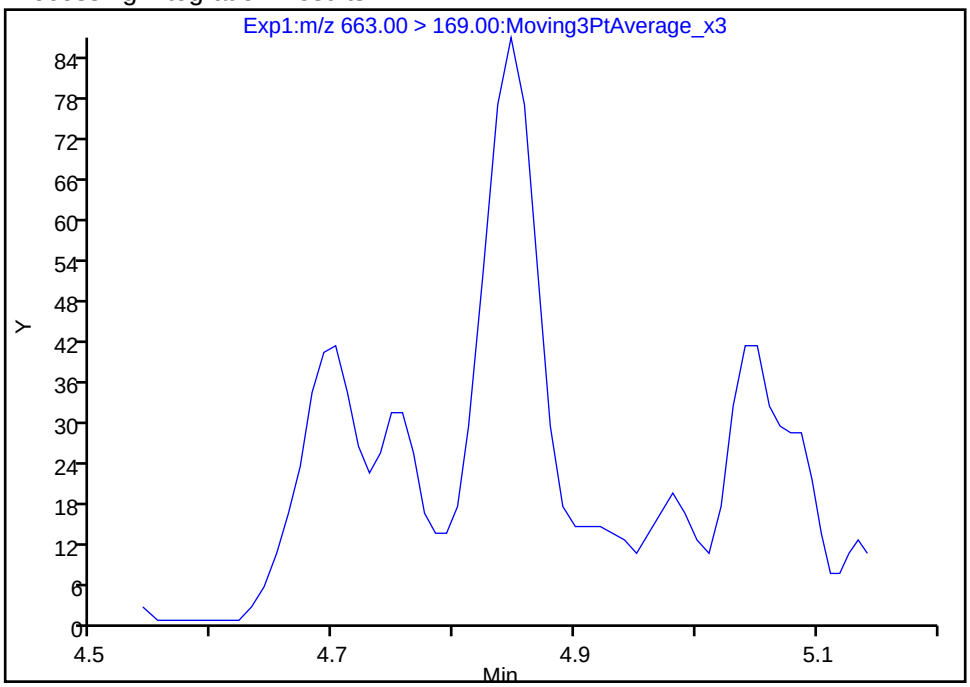
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B11.d				
Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	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

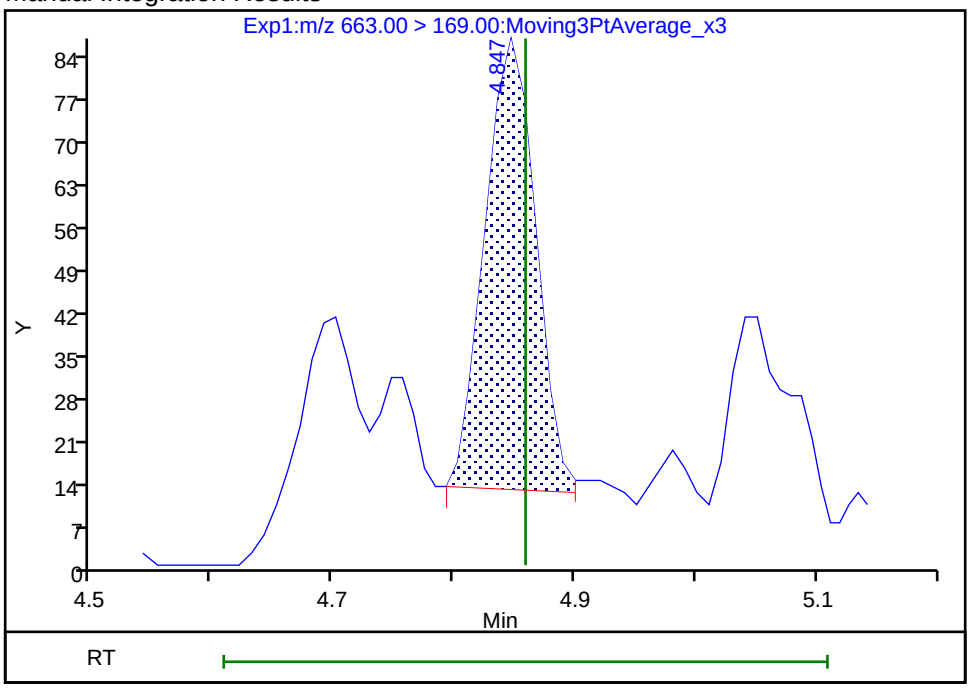
Not Detected
Expected RT: 4.86

Processing Integration Results



Manual Integration Results

RT: 4.85
Area: 217
Amount: 0.002154
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:38:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

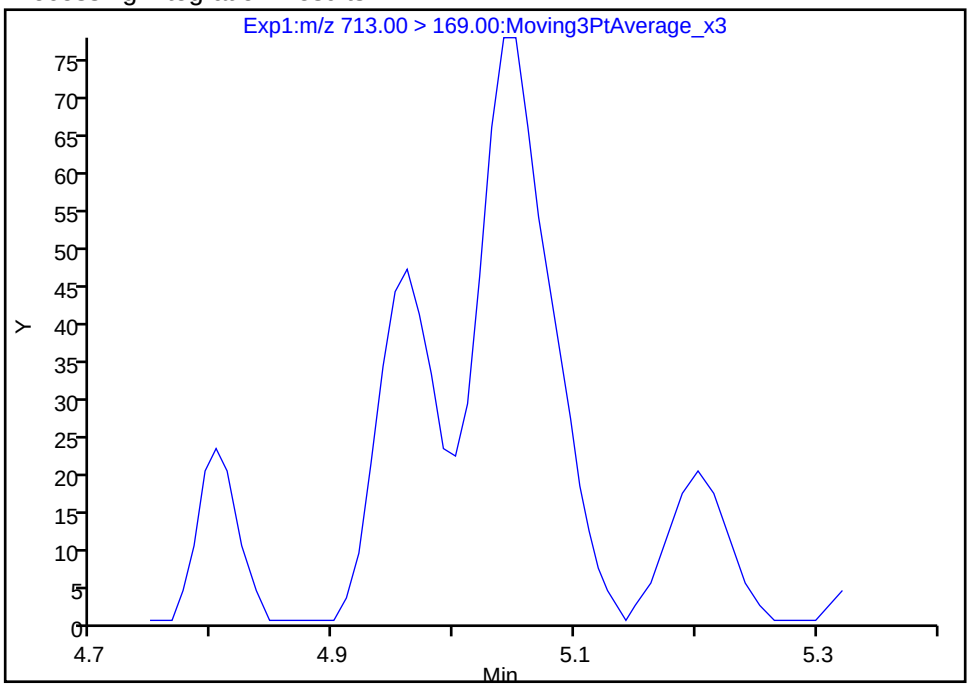
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B11.d				
Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	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

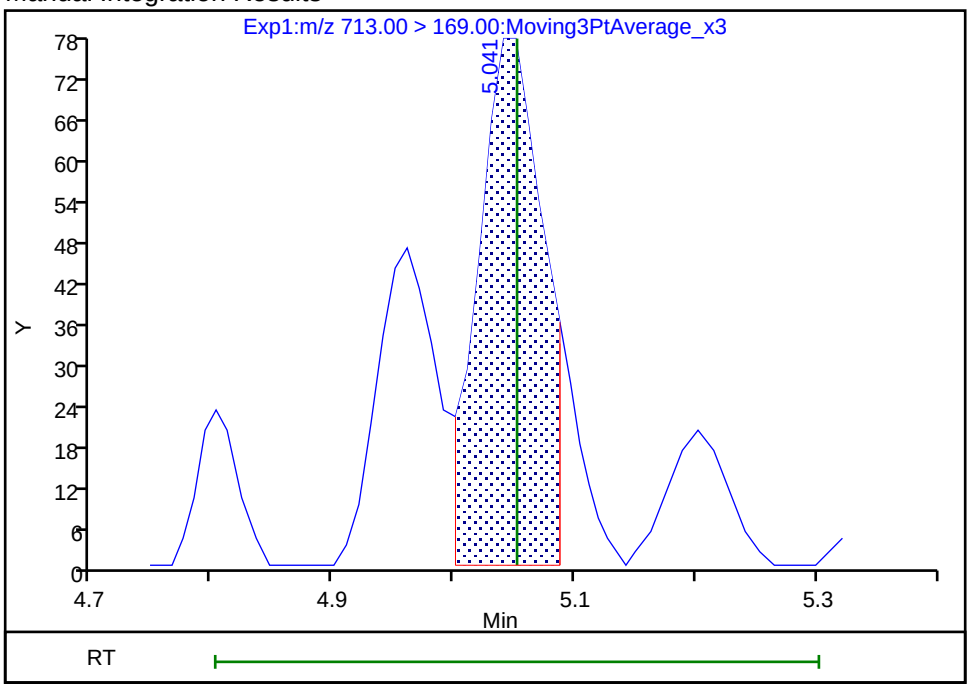
Not Detected
Expected RT: 5.05

Processing Integration Results



Manual Integration Results

RT: 5.04
Area: 284
Amount: 0.001891
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:38:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

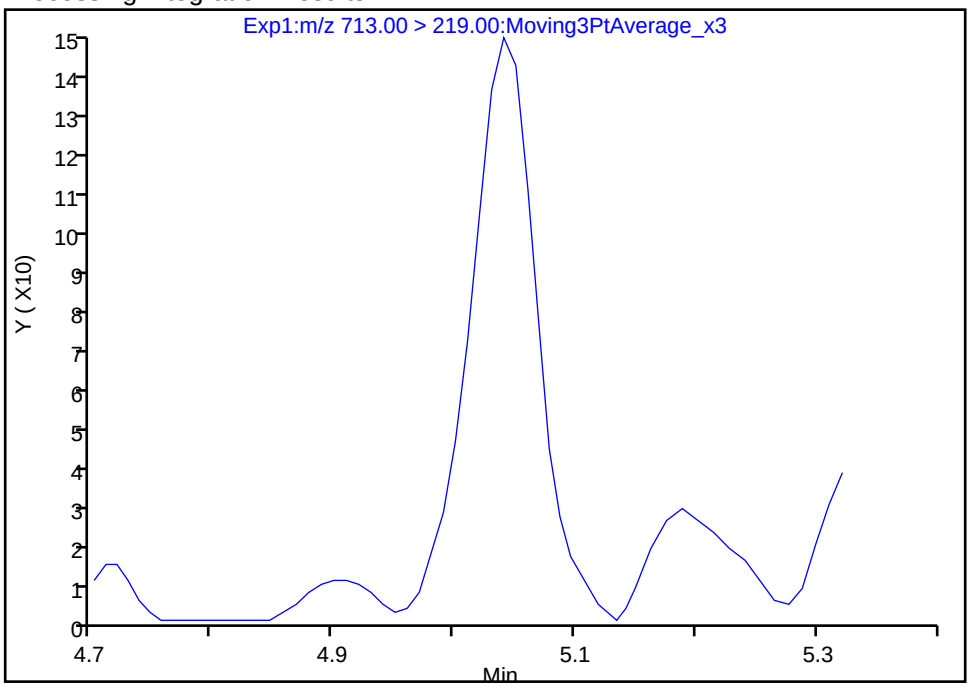
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B11.d				
Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	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

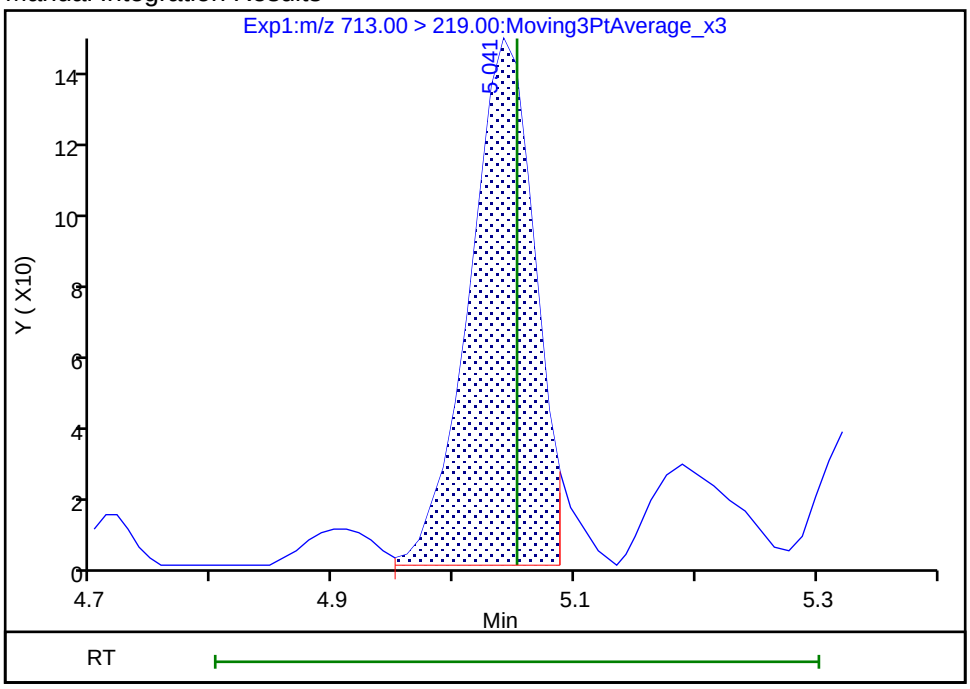
Not Detected
Expected RT: 5.05

Processing Integration Results



Manual Integration Results

RT: 5.04
Area: 544
Amount: 0.001891
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:38:59
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

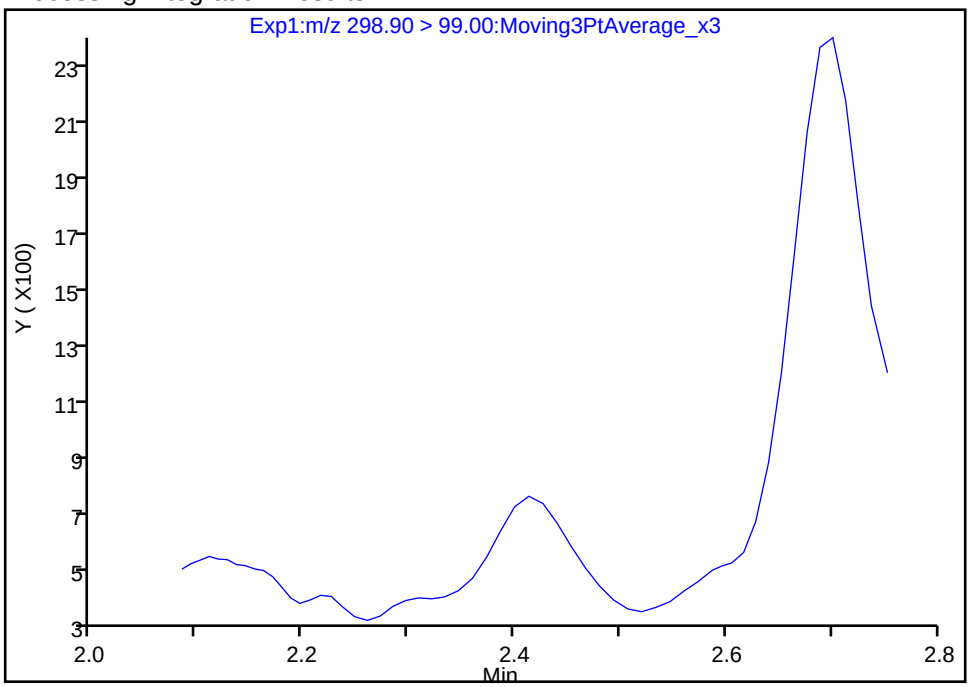
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B11.d				
Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	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

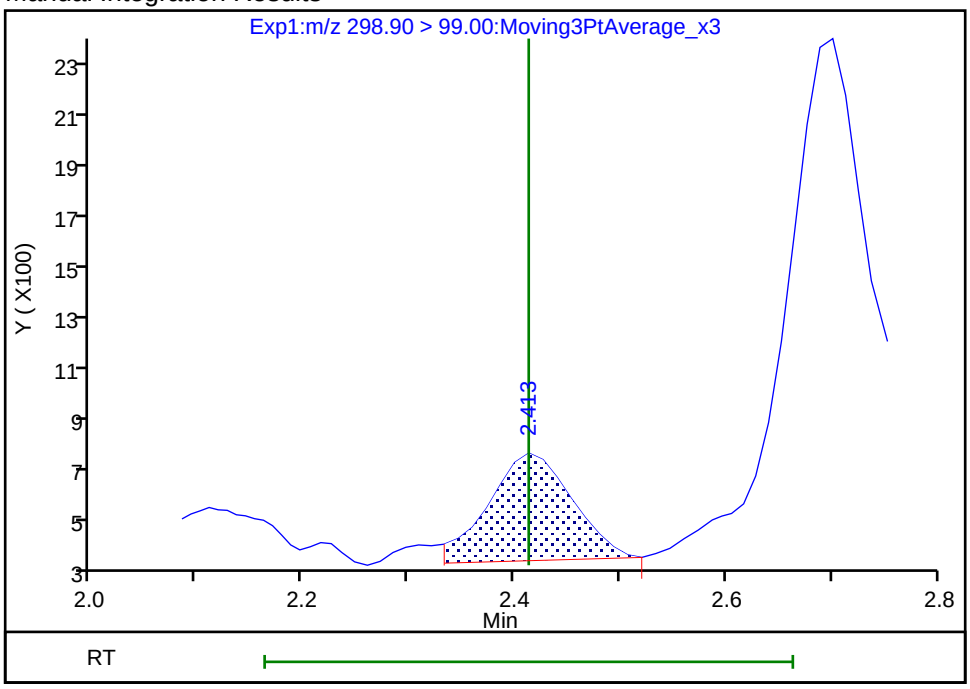
Not Detected
Expected RT: 2.41

Processing Integration Results



Manual Integration Results

RT: 2.41
Area: 2249
Amount: 0.001702
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:34:22
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

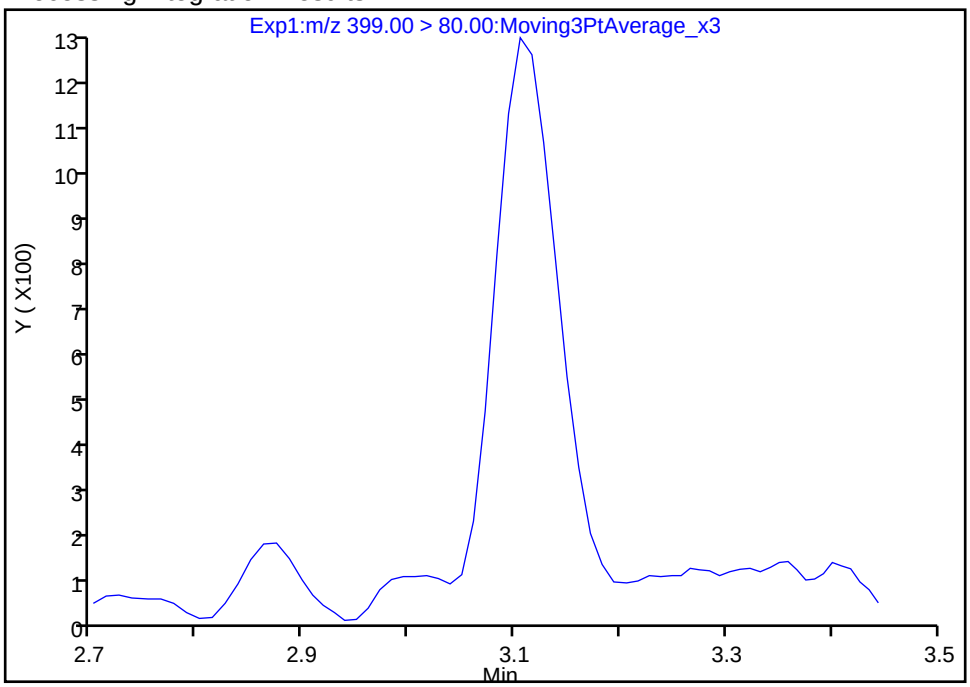
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B11.d				
Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	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

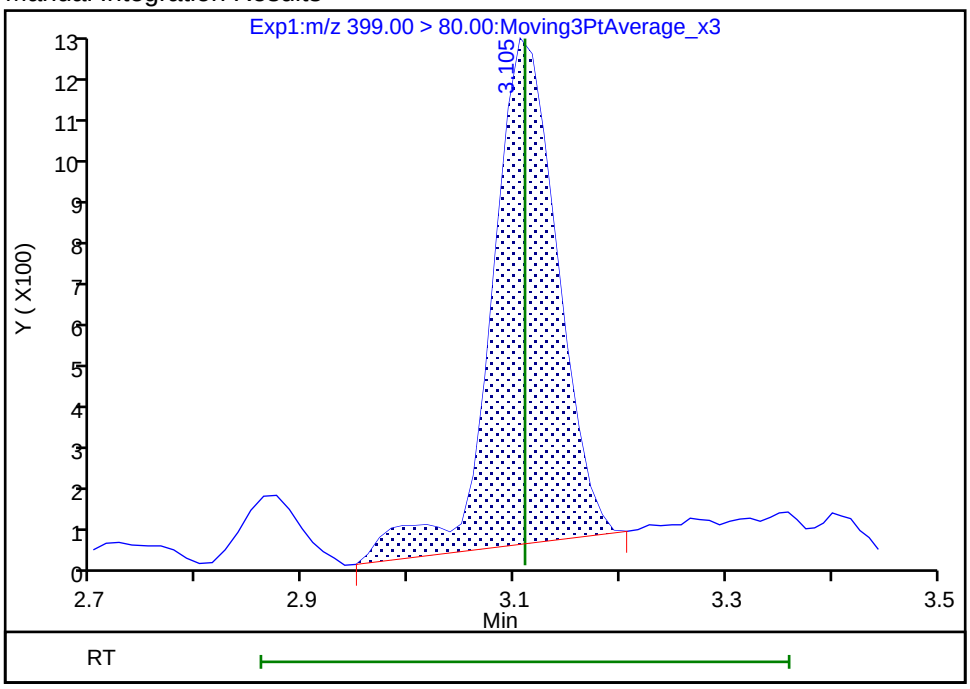
Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results

RT: 3.11
Area: 5007
Amount: 0.004741
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:34:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

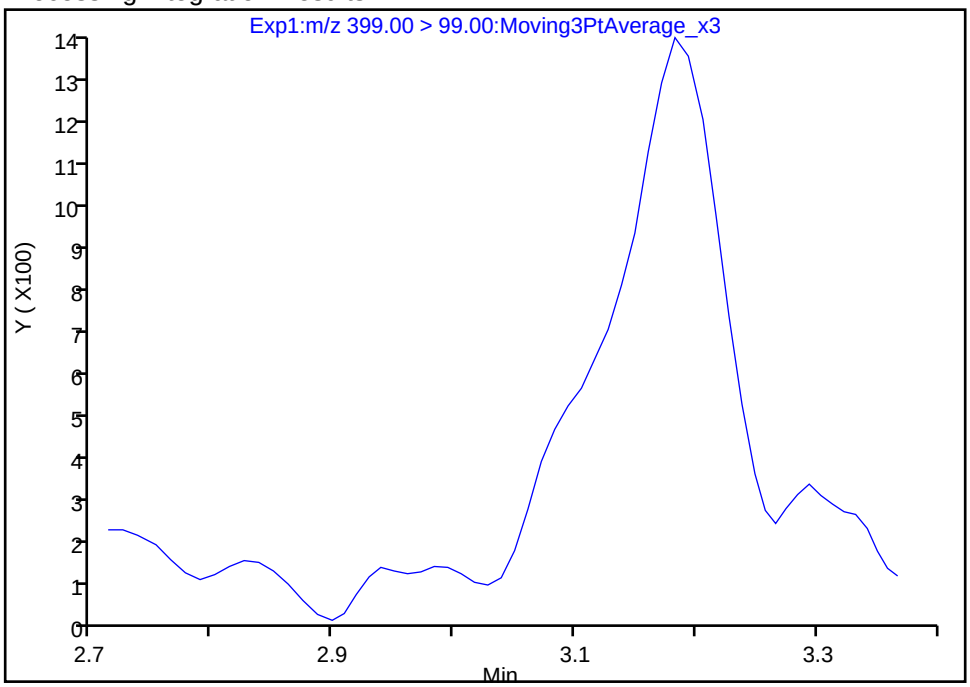
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B11.d				
Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	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

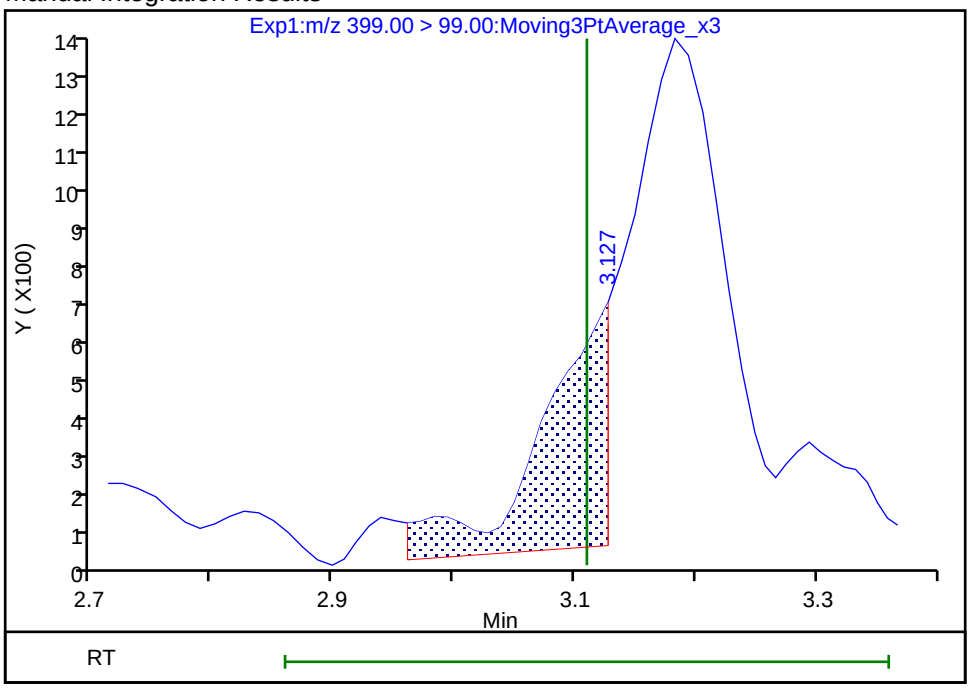
Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results

RT: 3.13
Area: 2229
Amount: 0.004741
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:34:47
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

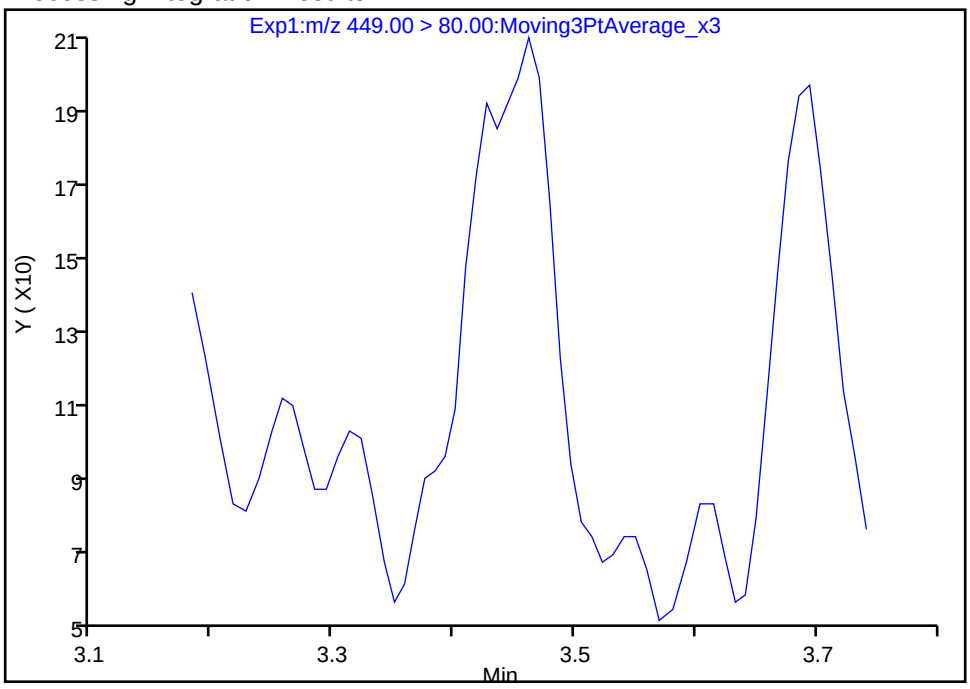
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B11.d				
Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	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

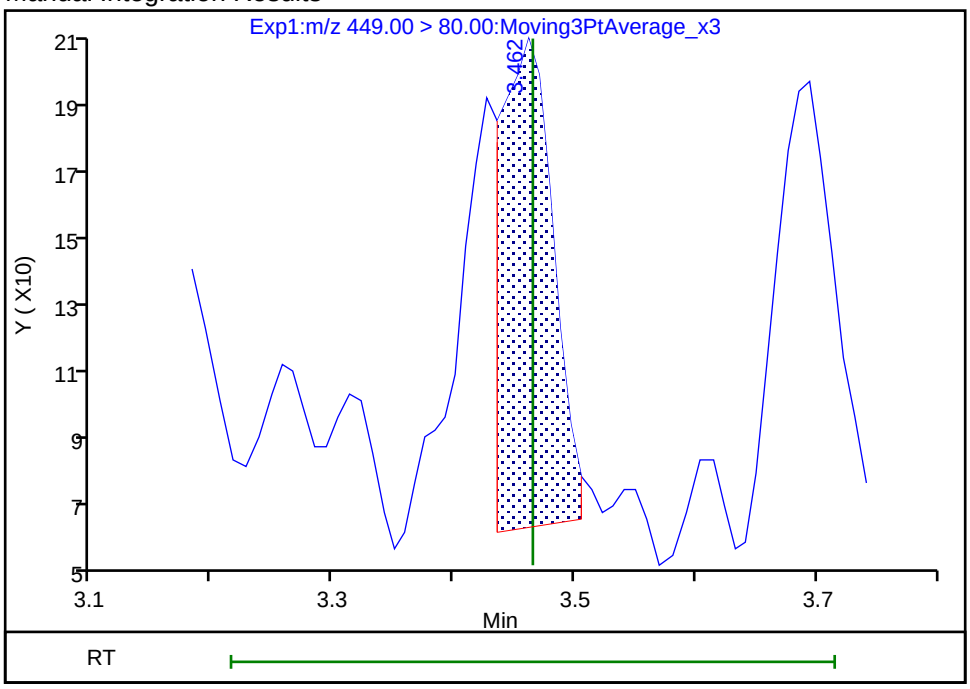
Not Detected
Expected RT: 3.47

Processing Integration Results



Manual Integration Results

RT: 3.46
Area: 425
Amount: 0.000487
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:35:25
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

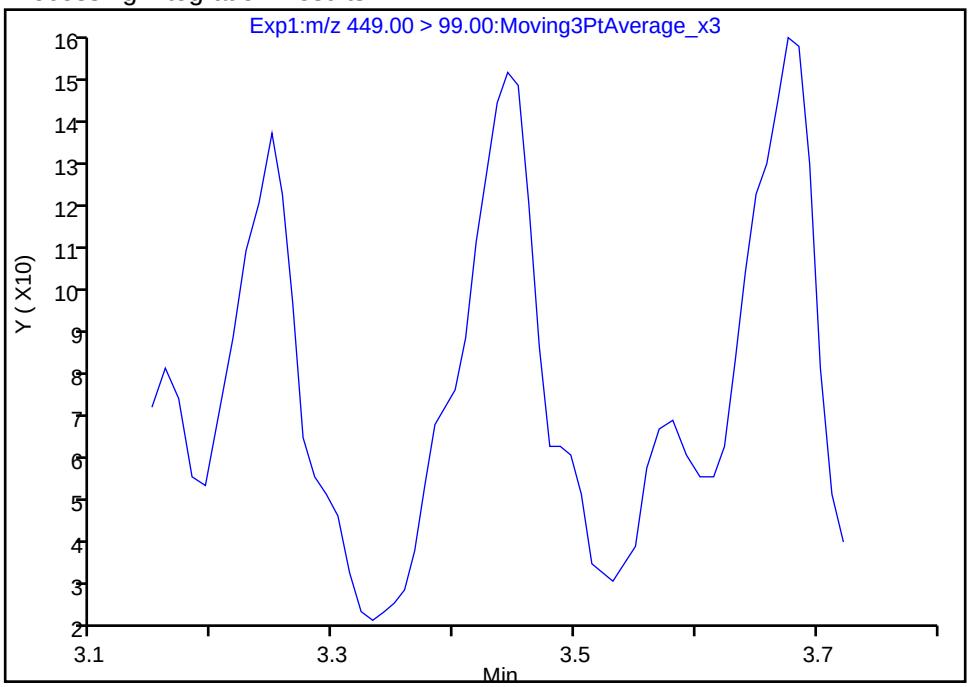
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B11.d				
Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	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

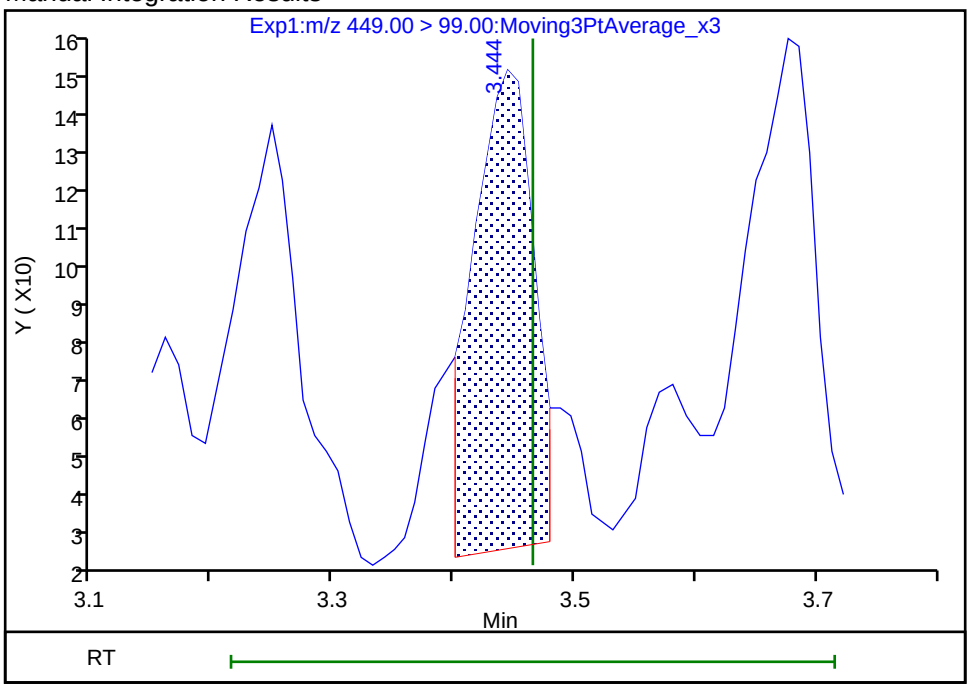
Not Detected
Expected RT: 3.47

Processing Integration Results



Manual Integration Results

RT: 3.44
Area: 413
Amount: 0.000487
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:35:28
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

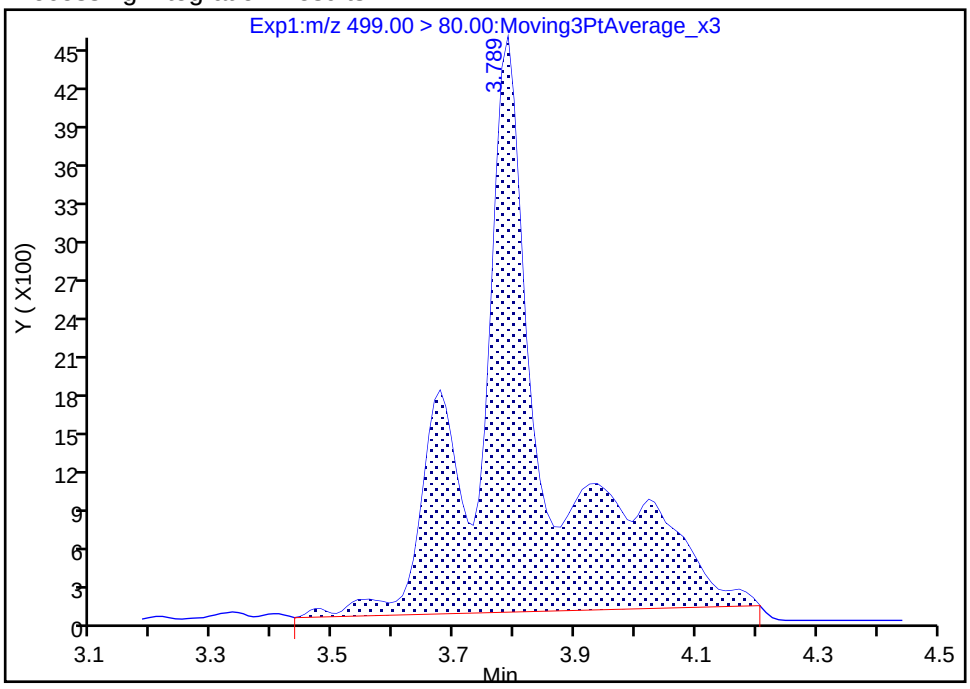
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B11.d				
Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	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

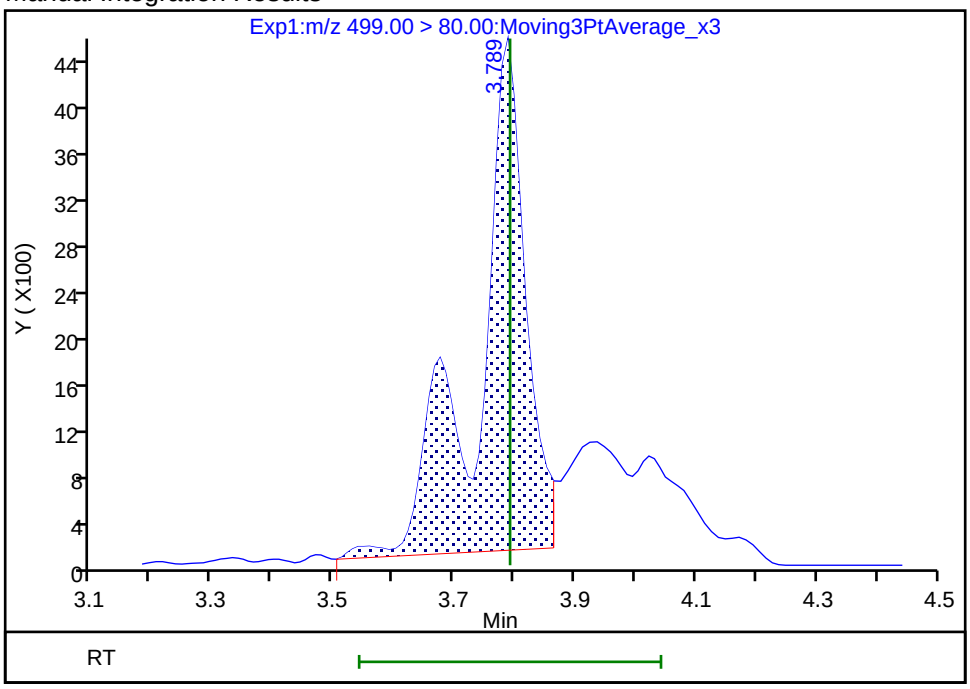
Processing Integration Results

RT: 3.79
Area: 37666
Amount: 0.035115
Amount Units: ng/ml



Manual Integration Results

RT: 3.79
Area: 24758
Amount: 0.016750
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:36:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

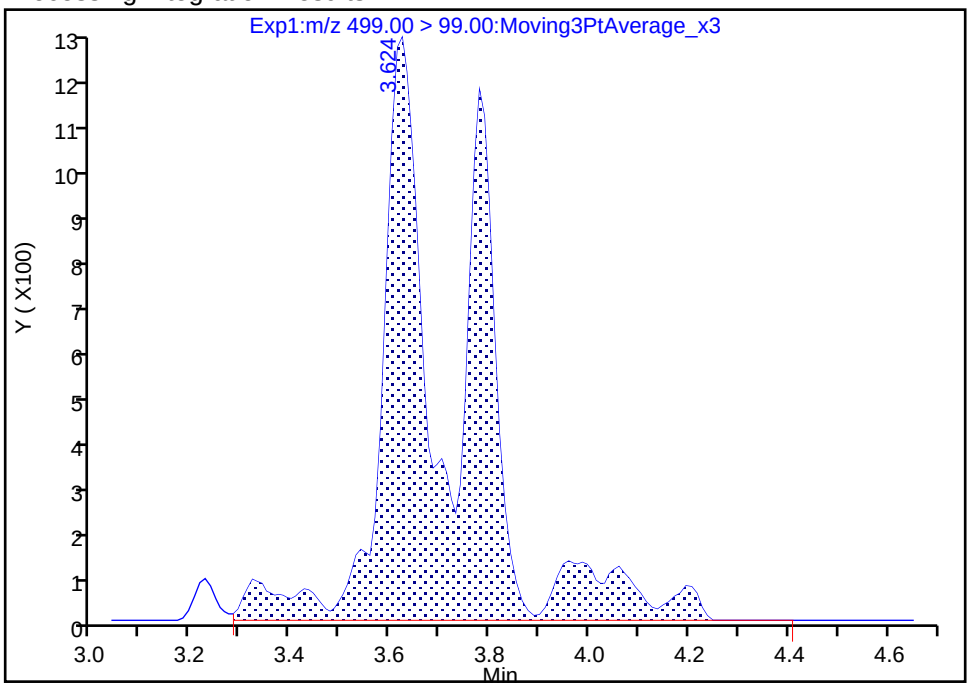
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B11.d				
Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

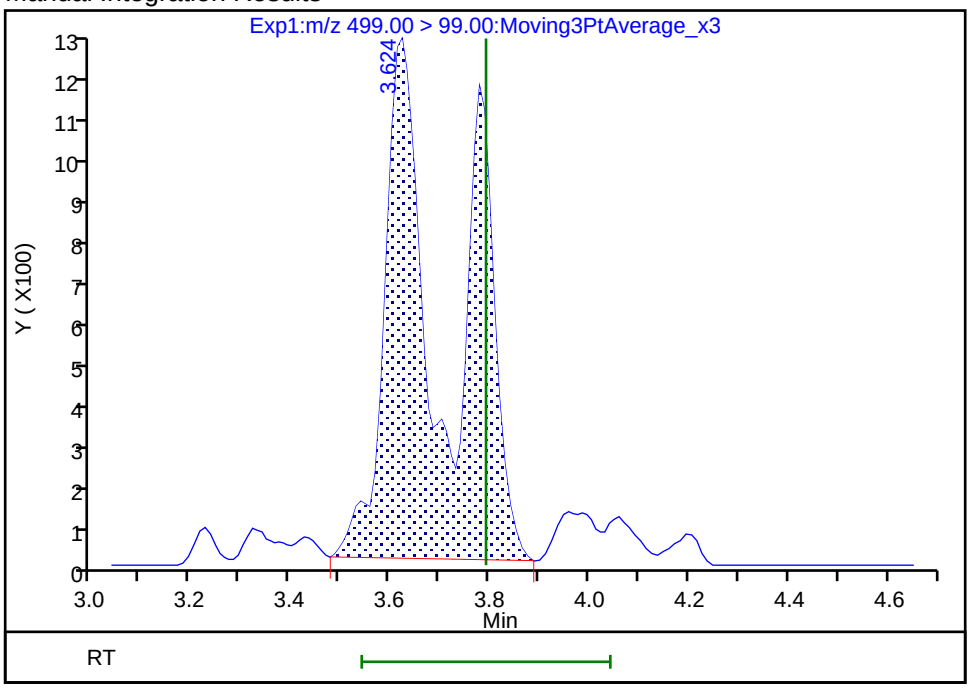
Processing Integration Results

RT: 3.62
Area: 13600
Amount: 0.035115
Amount Units: ng/ml



Manual Integration Results

RT: 3.62
Area: 11060
Amount: 0.016750
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:25:06

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

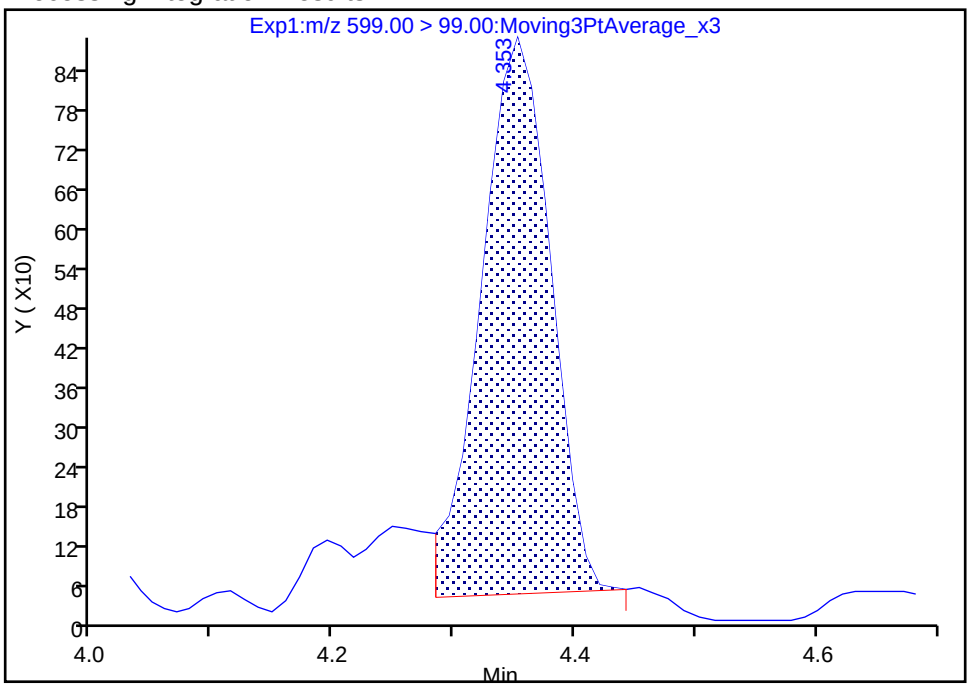
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B11.d				
Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	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

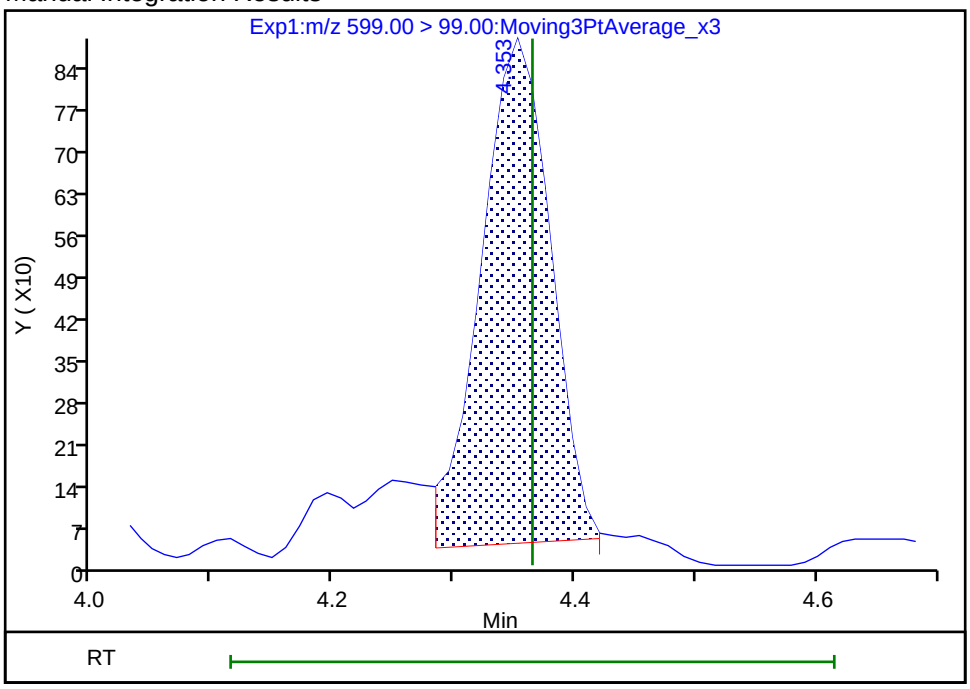
Processing Integration Results

RT: 4.35
Area: 3382
Amount: 0.020839
Amount Units: ng/ml



Manual Integration Results

RT: 4.35
Area: 3402
Amount: 0.021087
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:37:40

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

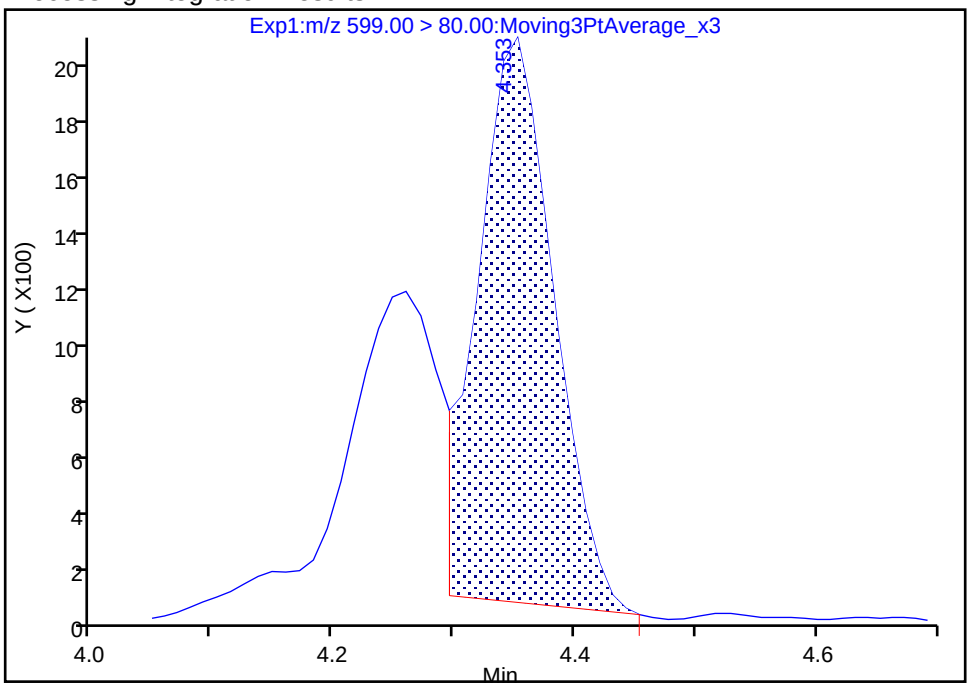
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B11.d				
Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

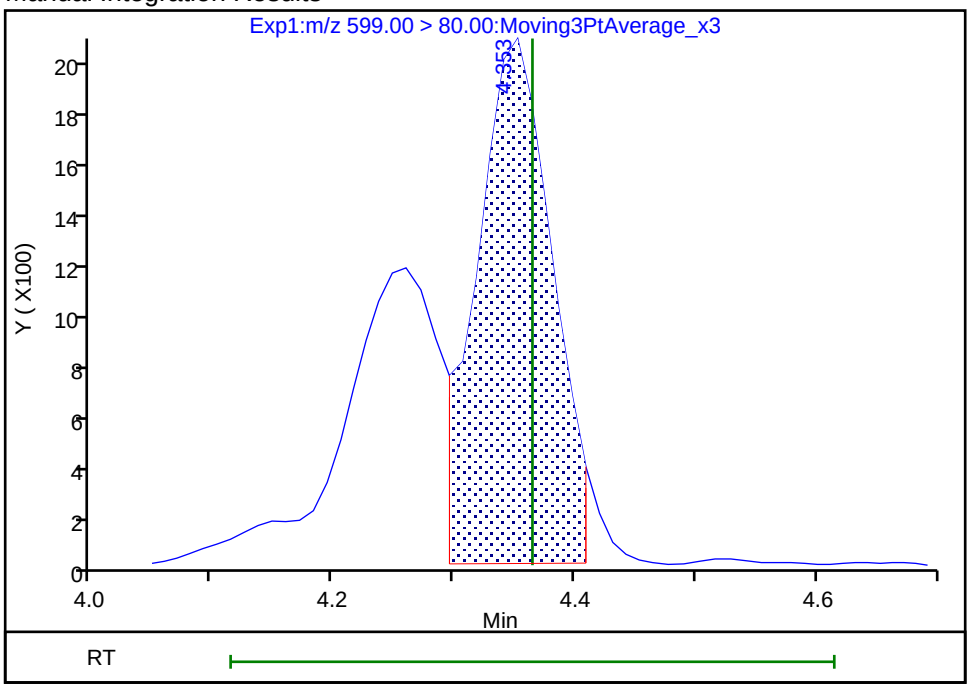
Processing Integration Results

RT: 4.35
Area: 8578
Amount: 0.020839
Amount Units: ng/ml



Manual Integration Results

RT: 4.35
Area: 8680
Amount: 0.021087
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:37:44

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

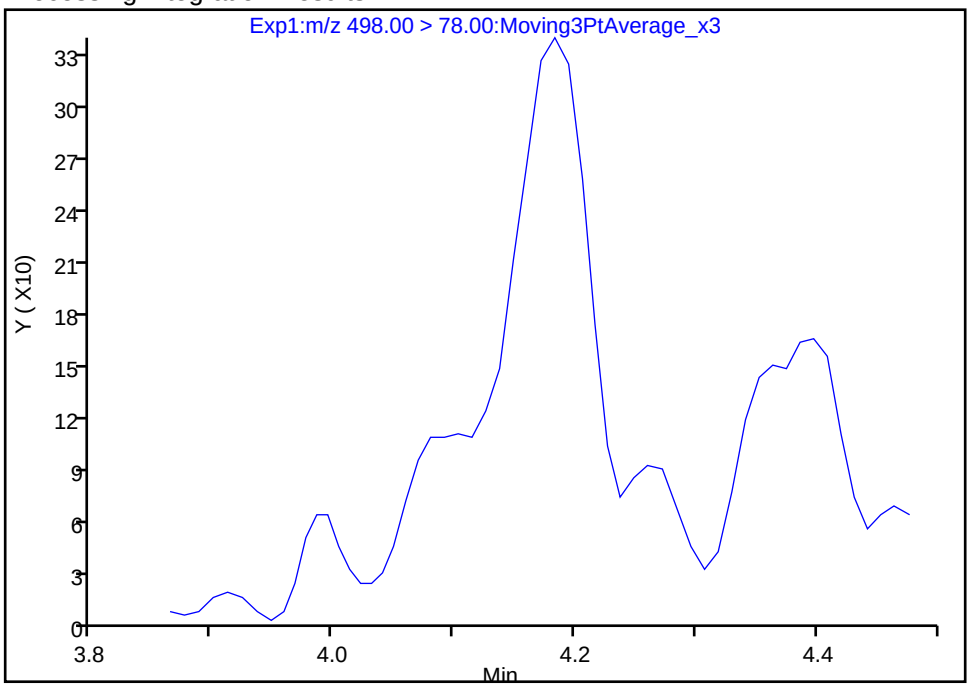
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B11.d				
Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	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

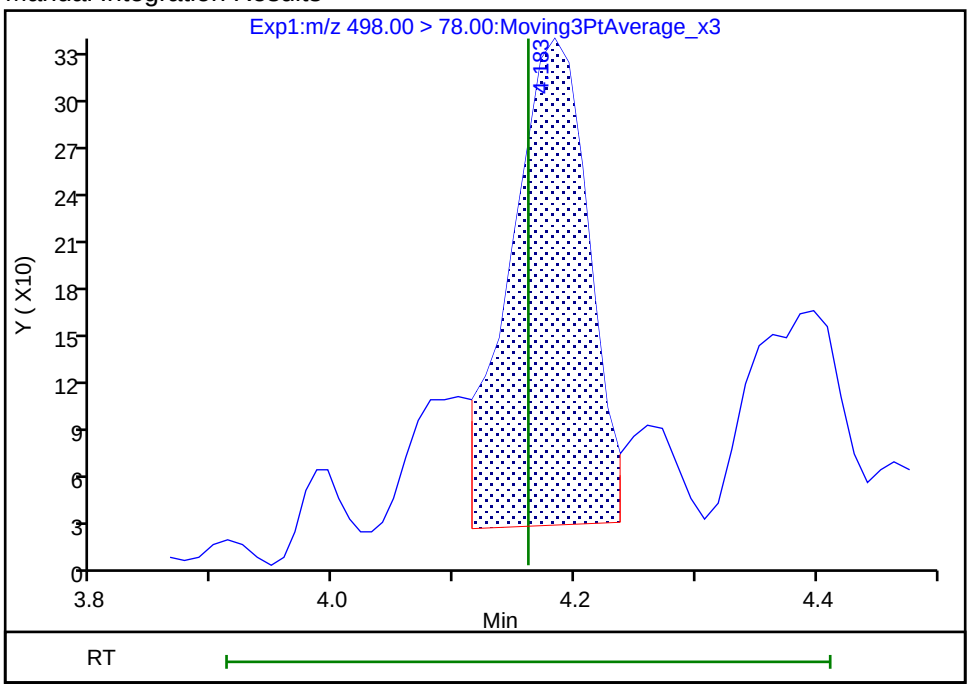
Not Detected
Expected RT: 4.16

Processing Integration Results



Manual Integration Results

RT: 4.18
Area: 1366
Amount: 0.001251
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:37:03
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

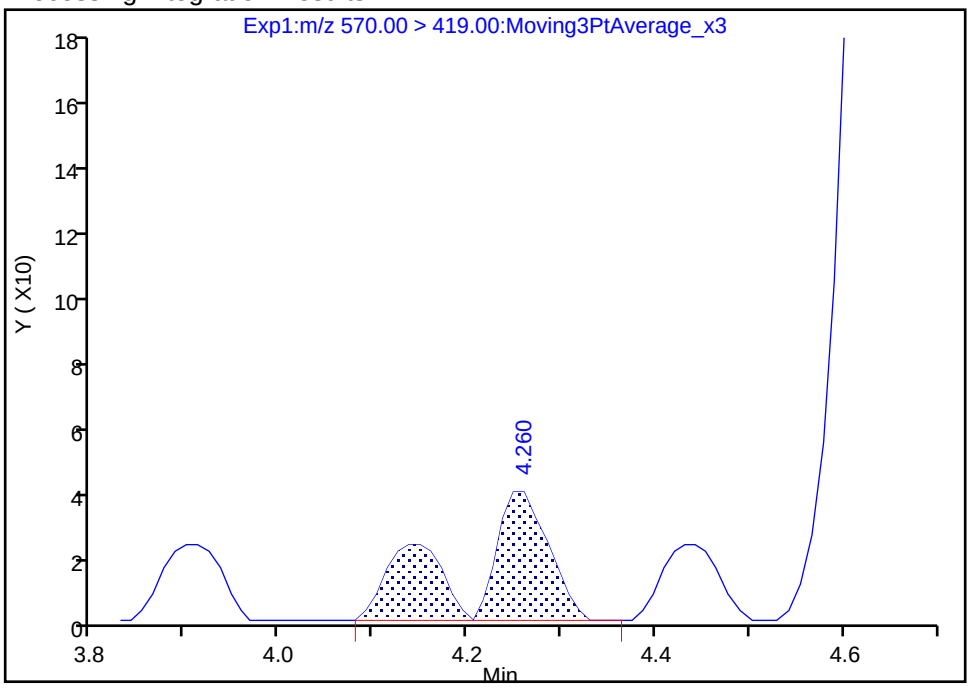
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B11.d				
Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	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

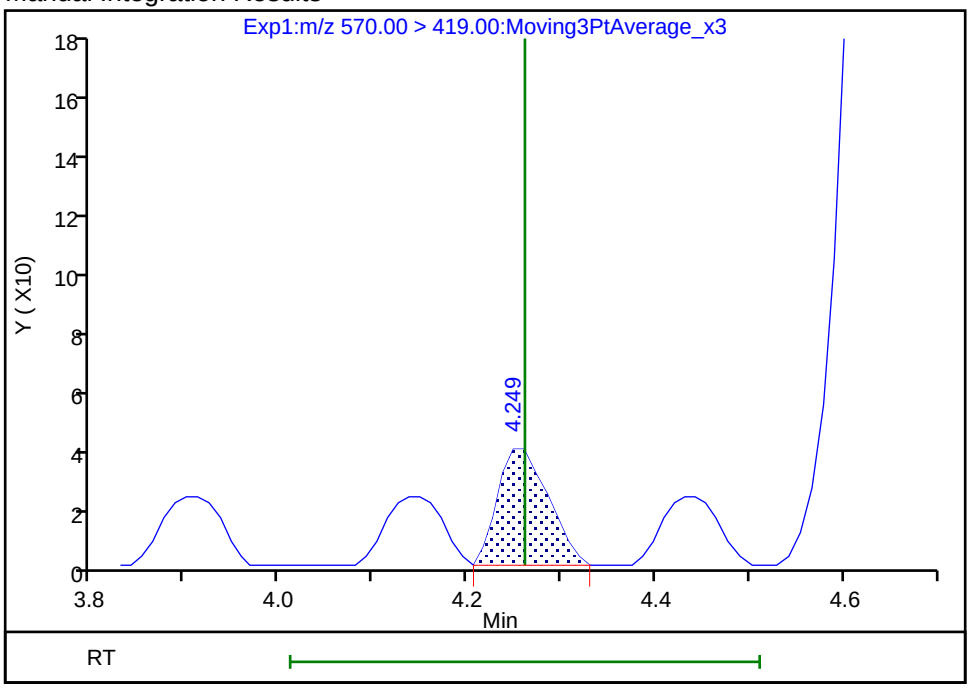
Processing Integration Results

RT: 4.26
Area: 243
Amount: 0.001897
Amount Units: ng/ml



Manual Integration Results

RT: 4.25
Area: 146
Amount: 0.001140
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:37:11
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

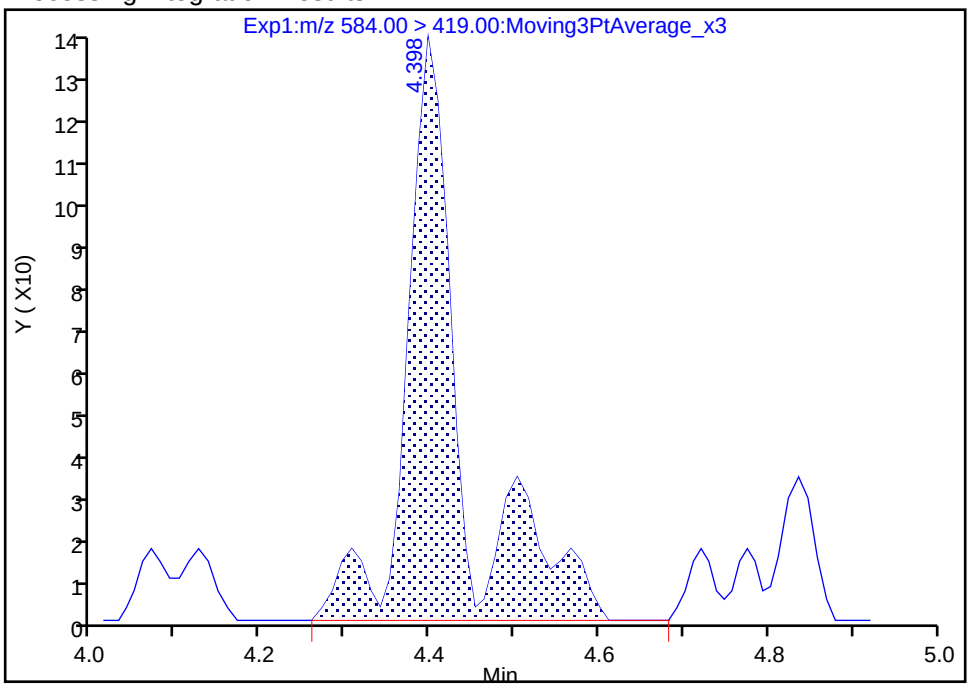
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B11.d				
Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	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

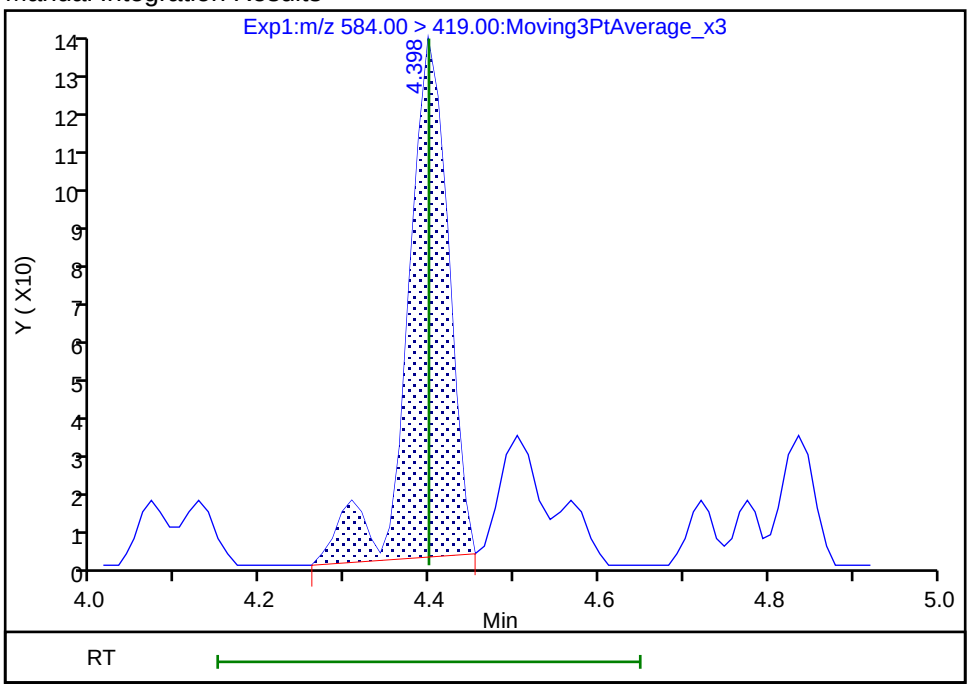
Processing Integration Results

RT: 4.40
Area: 626
Amount: 0.004947
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 459
Amount: 0.003627
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:38:06
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

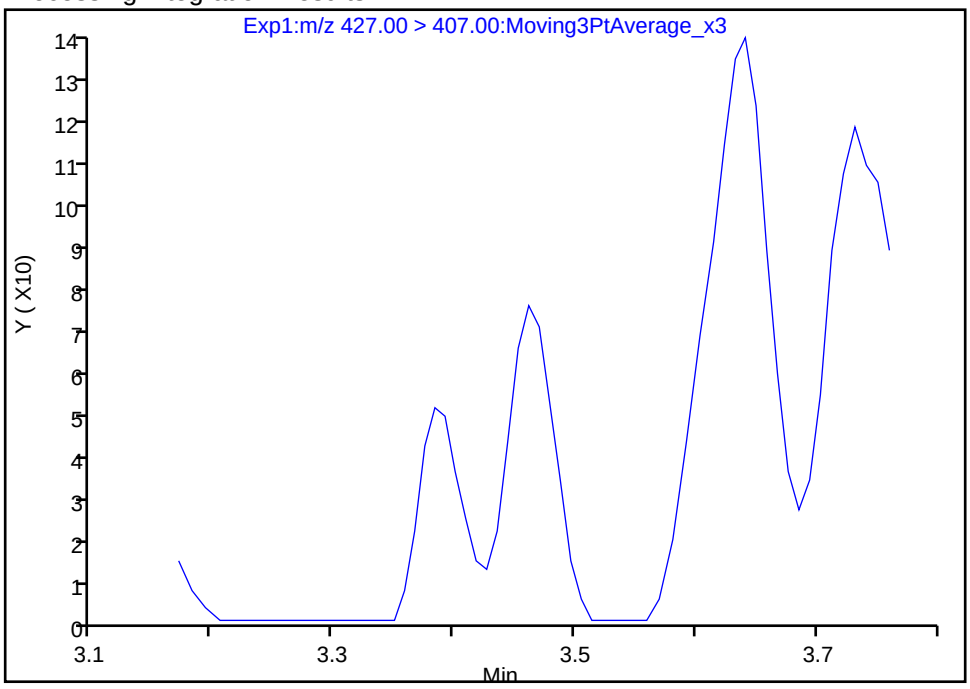
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B11.d				
Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

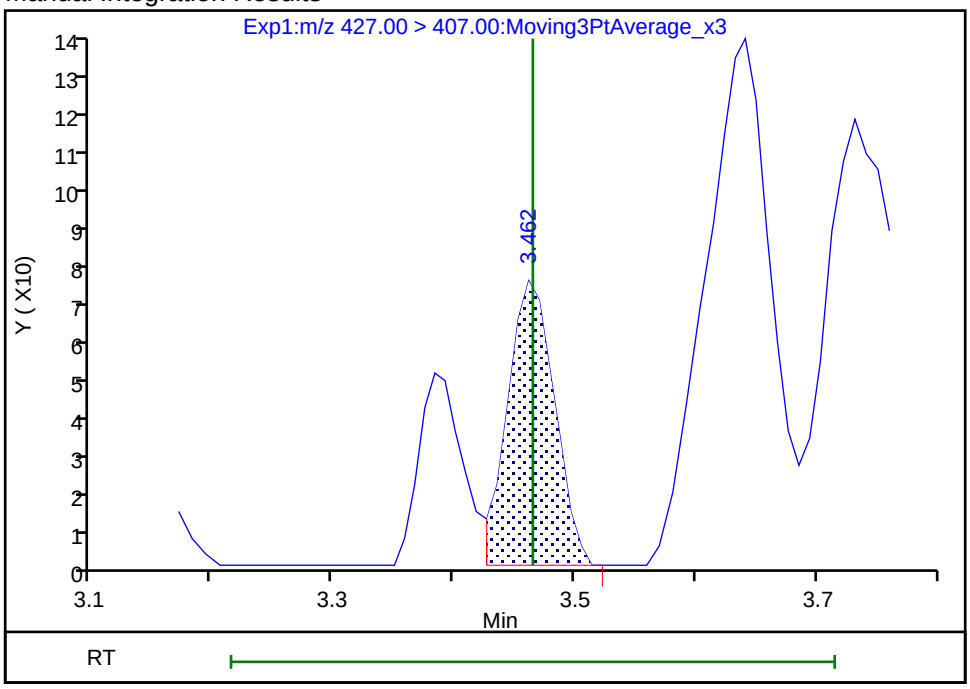
Processing Integration Results

Not Detected
Expected RT: 3.47



Manual Integration Results

RT: 3.46
Area: 198
Amount: -0.015932
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:35:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

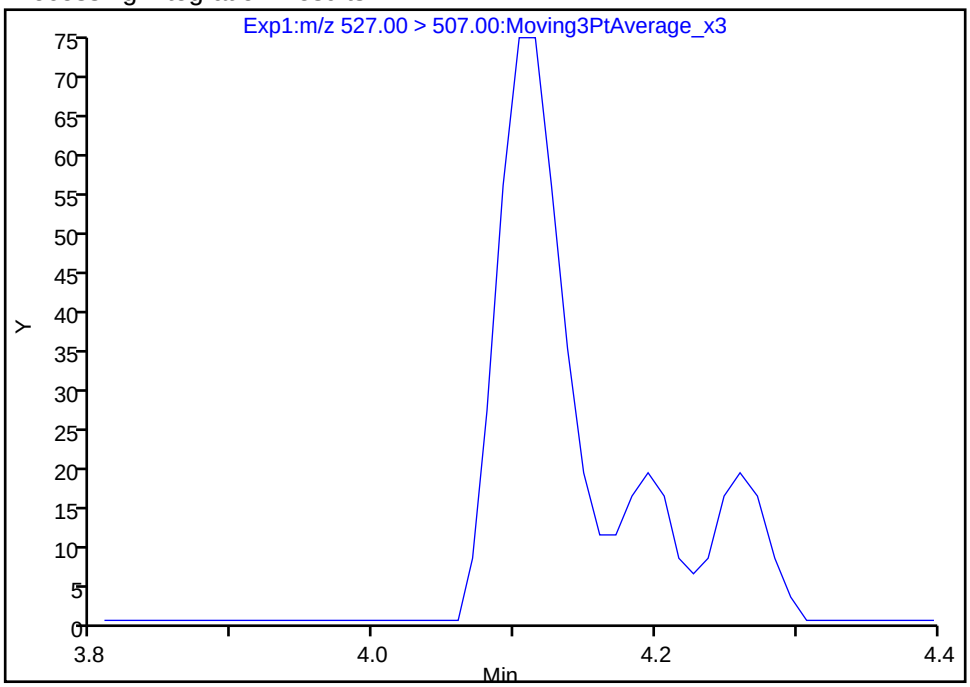
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B11.d				
Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

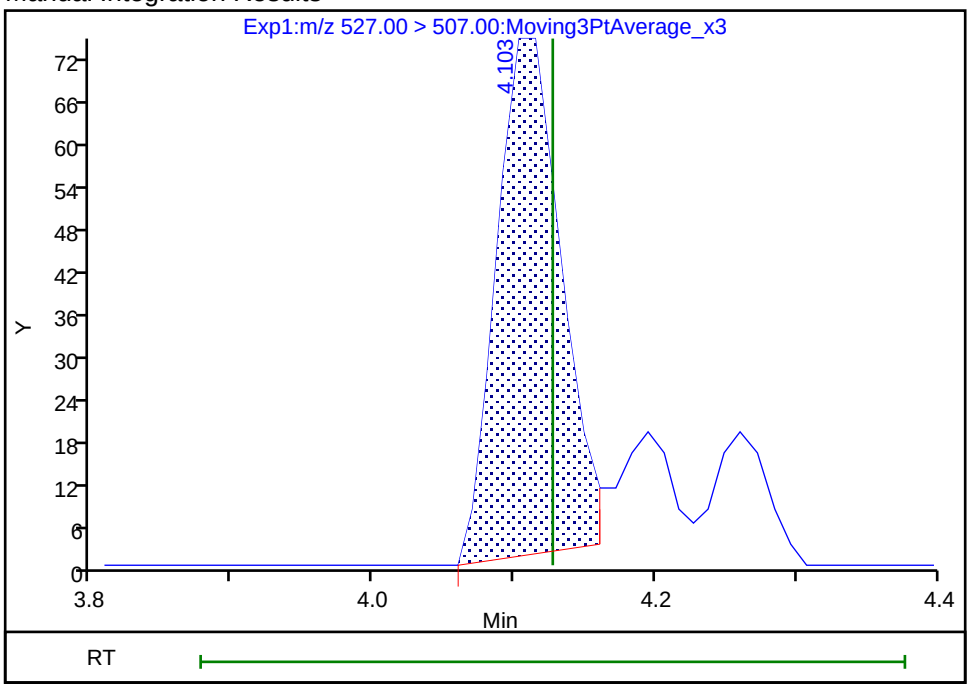
Not Detected
Expected RT: 4.13

Processing Integration Results



Manual Integration Results

RT: 4.10
Area: 234
Amount: 0.001259
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:36:51
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

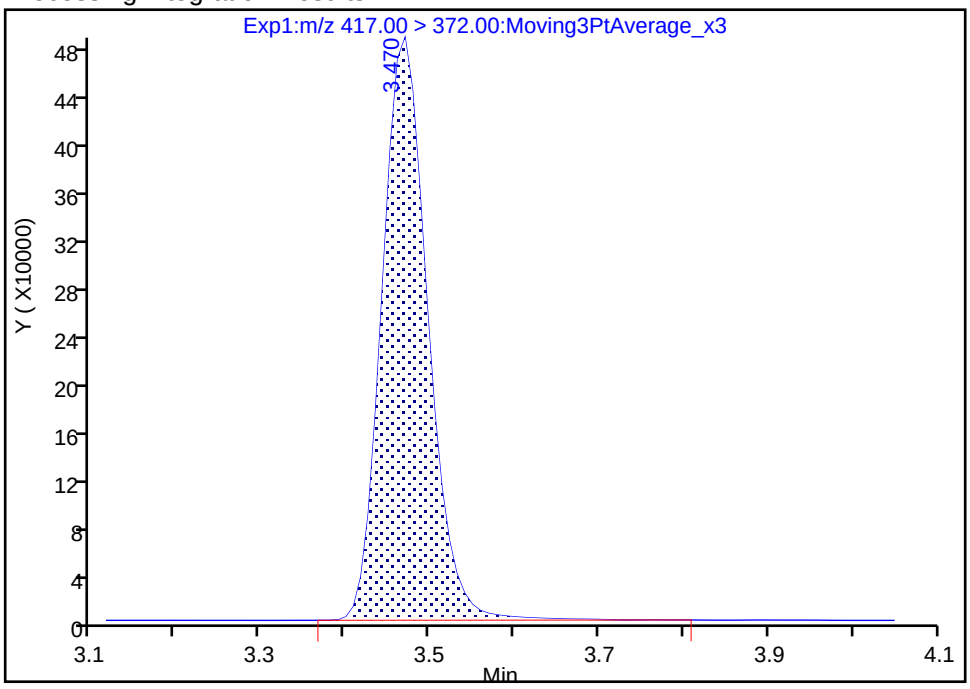
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B11.d				
Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

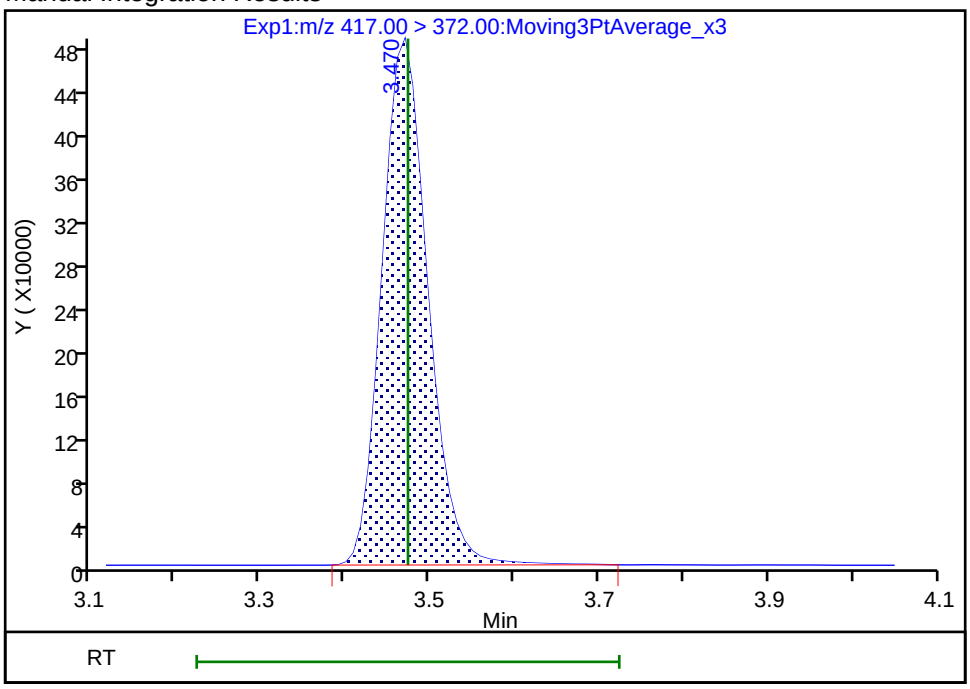
Processing Integration Results

RT: 3.47
Area: 1823195
Amount: 1.170252
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 1820683
Amount: 1.170693
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:33:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

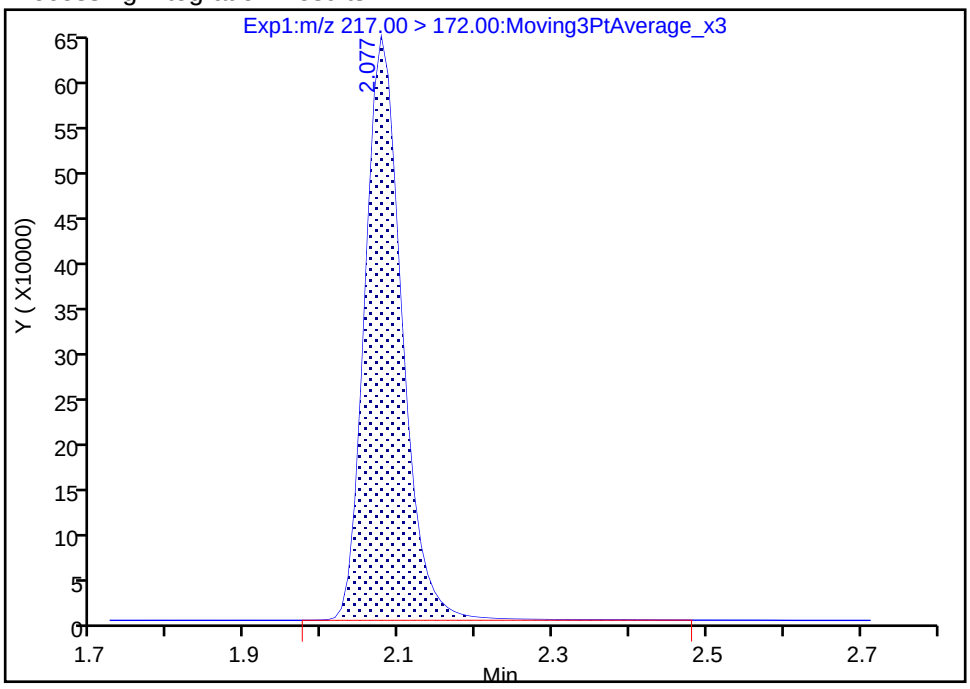
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B11.d				
Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	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

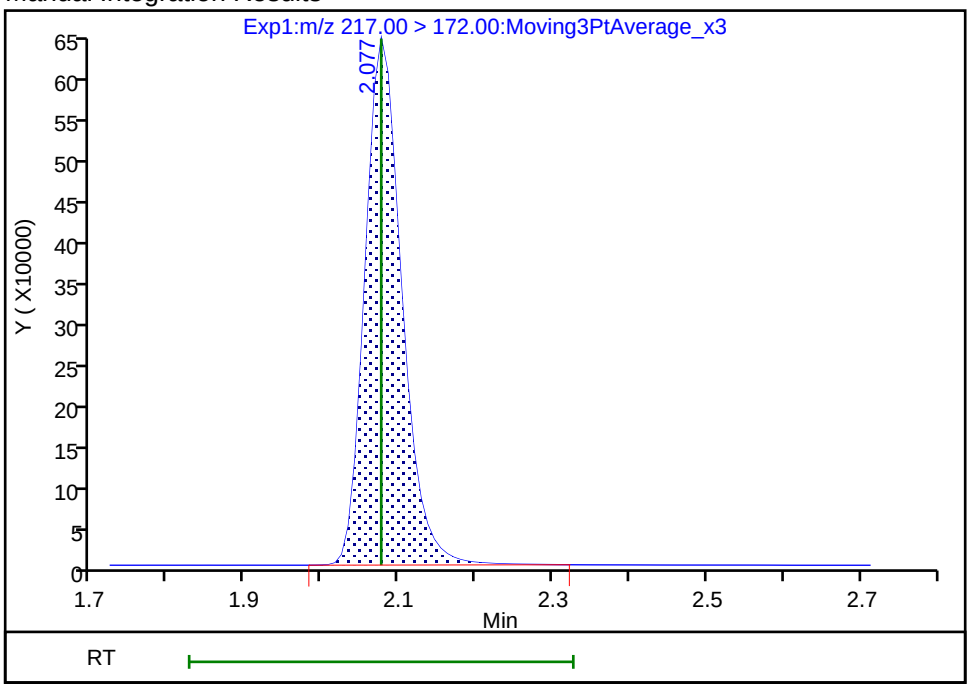
Processing Integration Results

RT: 2.08
Area: 2144038
Amount: 1.125206
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 2137880
Amount: 1.121975
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:24:37

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

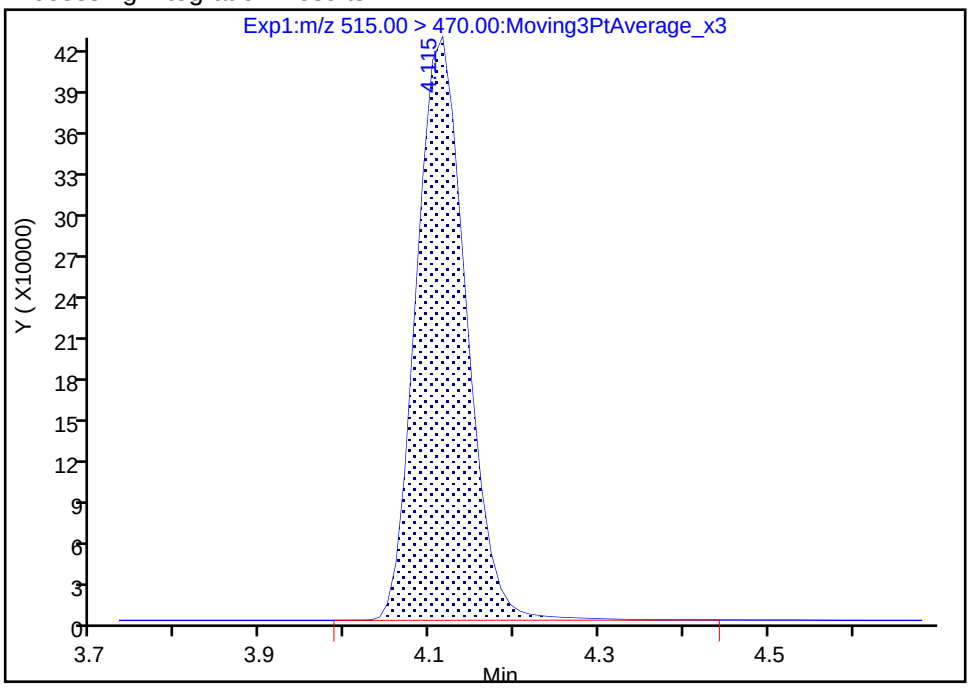
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B11.d				
Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

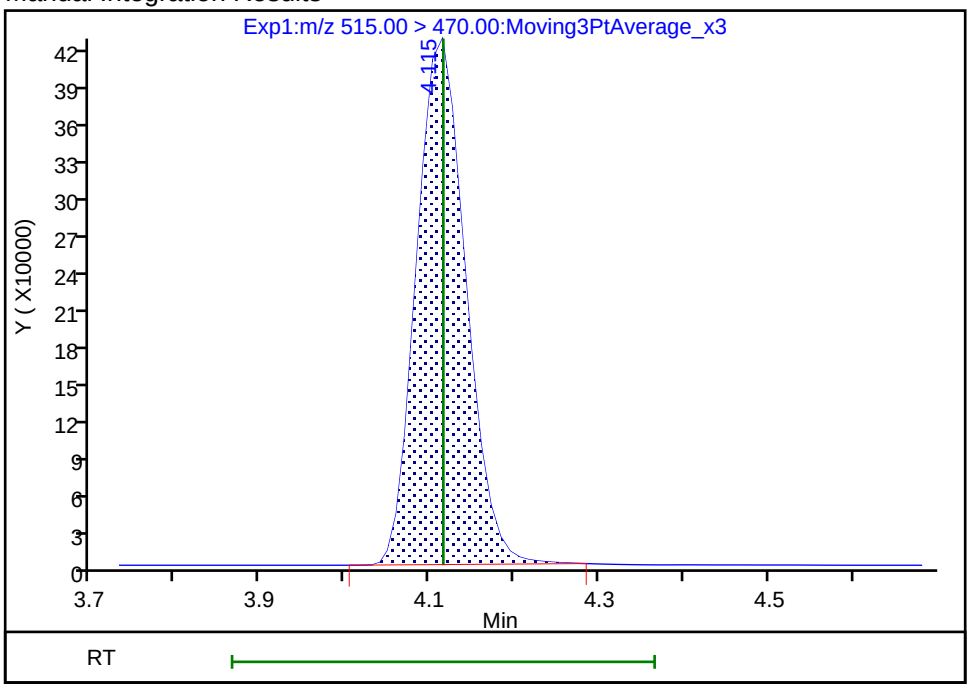
Processing Integration Results

RT: 4.11
Area: 1743183
Amount: 1.109334
Amount Units: ng/ml



Manual Integration Results

RT: 4.11
Area: 1730147
Amount: 1.101038
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:25:16

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

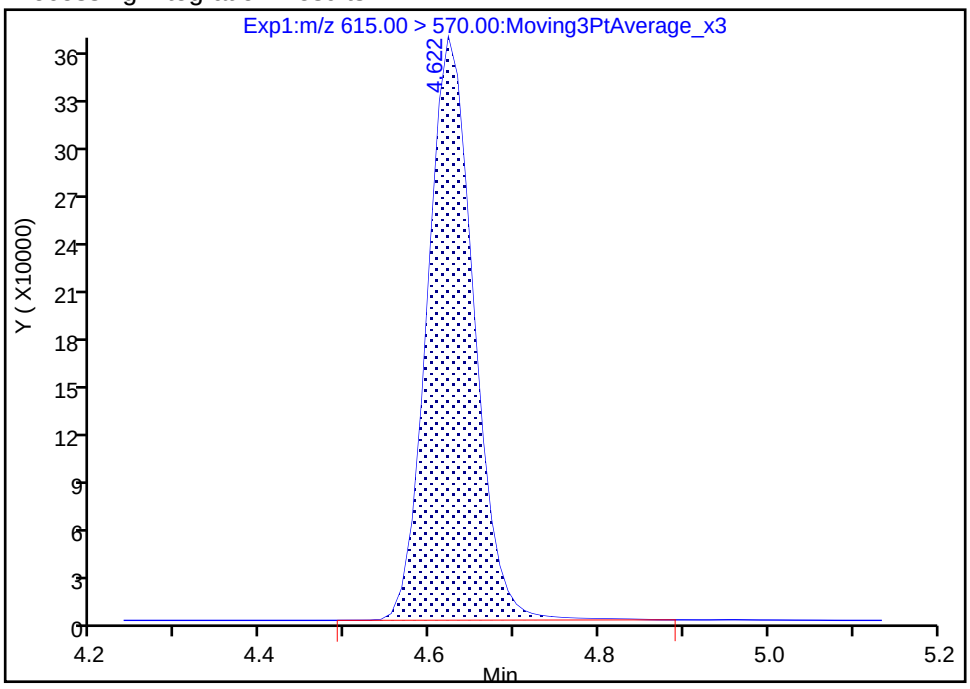
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B11.d				
Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 36 13C2 PFDoA, CAS: STL00998

Signal: 1

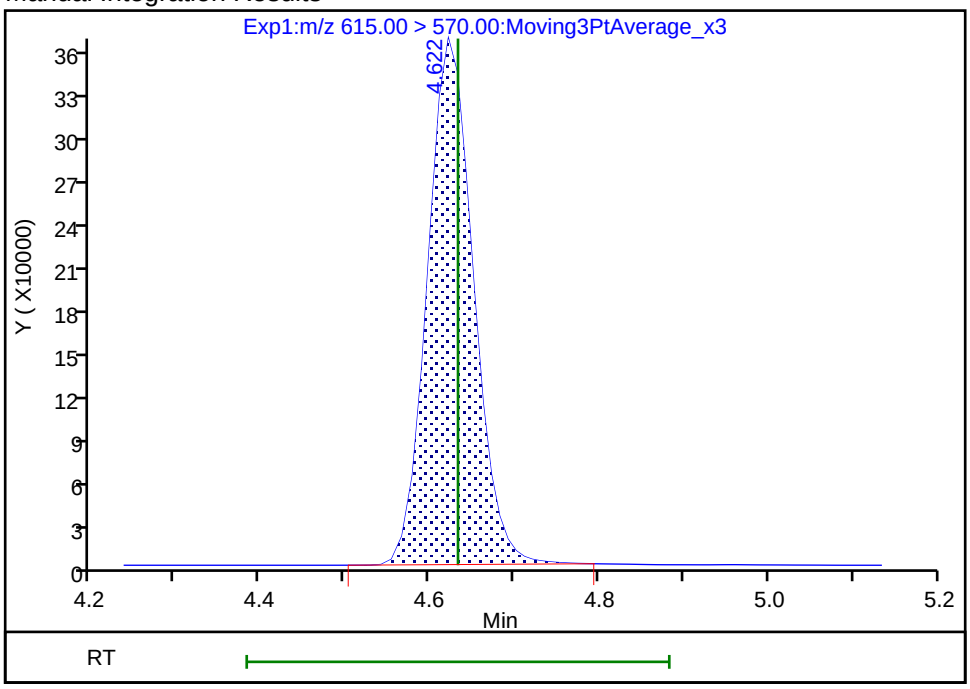
Processing Integration Results

RT: 4.62
Area: 1369444
Amount: 1.109988
Amount Units: ng/ml



Manual Integration Results

RT: 4.62
Area: 1360505
Amount: 1.102743
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:26:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

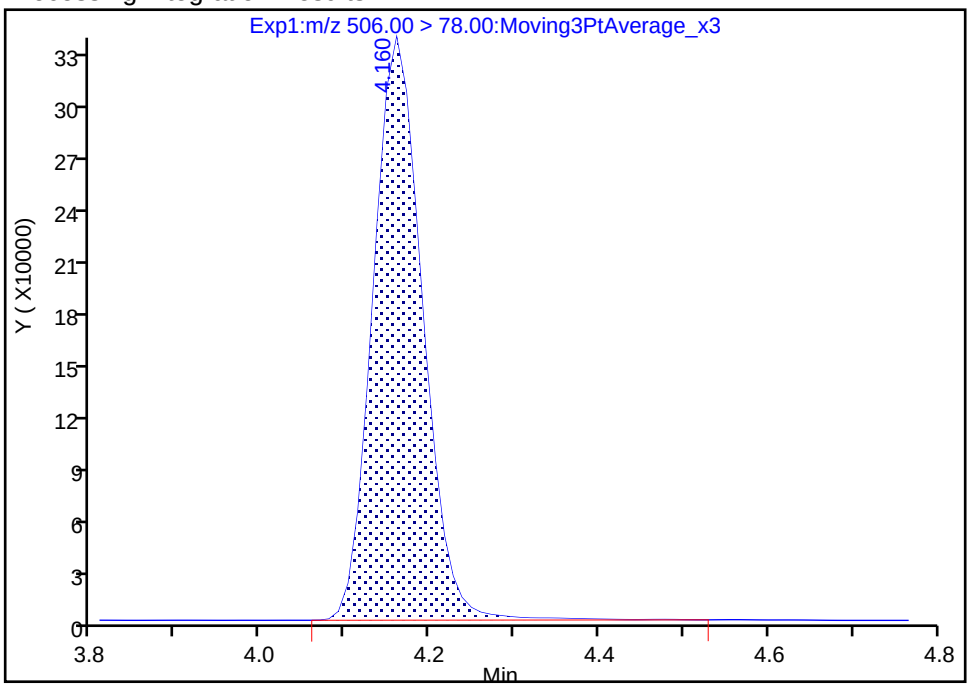
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B11.d				
Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	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

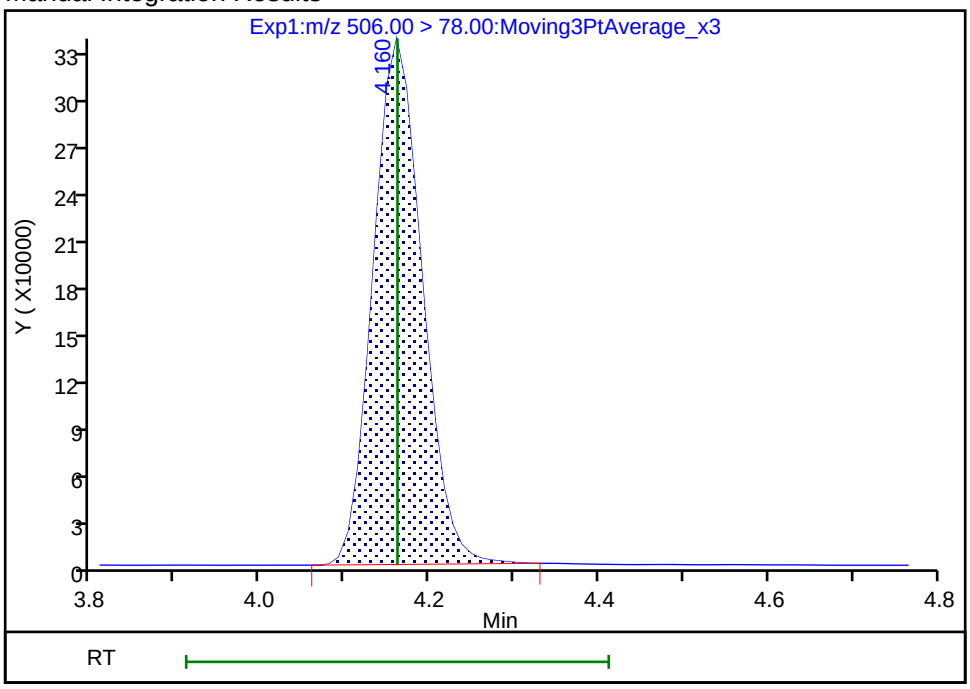
Processing Integration Results

RT: 4.16
Area: 1352158
Amount: 0.981443
Amount Units: ng/ml



Manual Integration Results

RT: 4.16
Area: 1339245
Amount: 0.973778
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:33:15

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

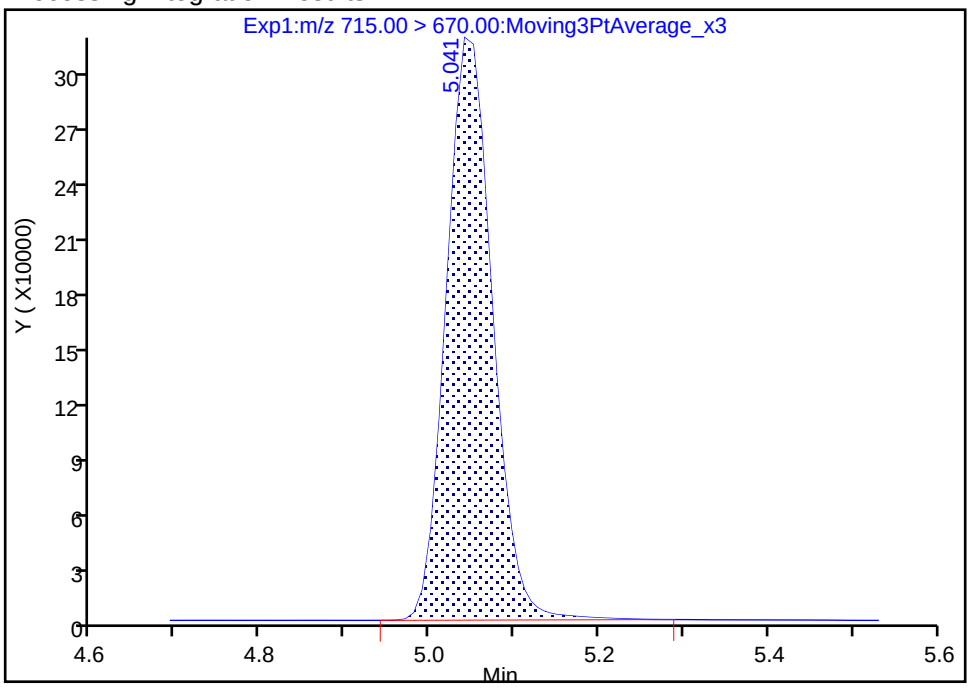
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B11.d				
Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

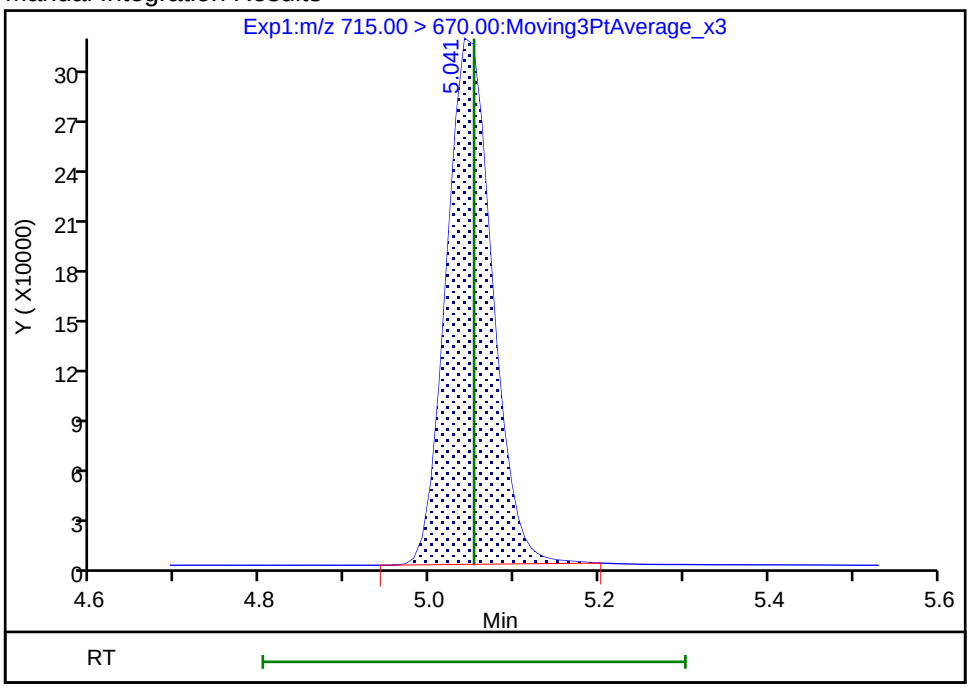
Processing Integration Results

RT: 5.04
Area: 1181090
Amount: 1.171075
Amount Units: ng/ml



Manual Integration Results

RT: 5.04
Area: 1171819
Amount: 1.161882
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:26:44

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

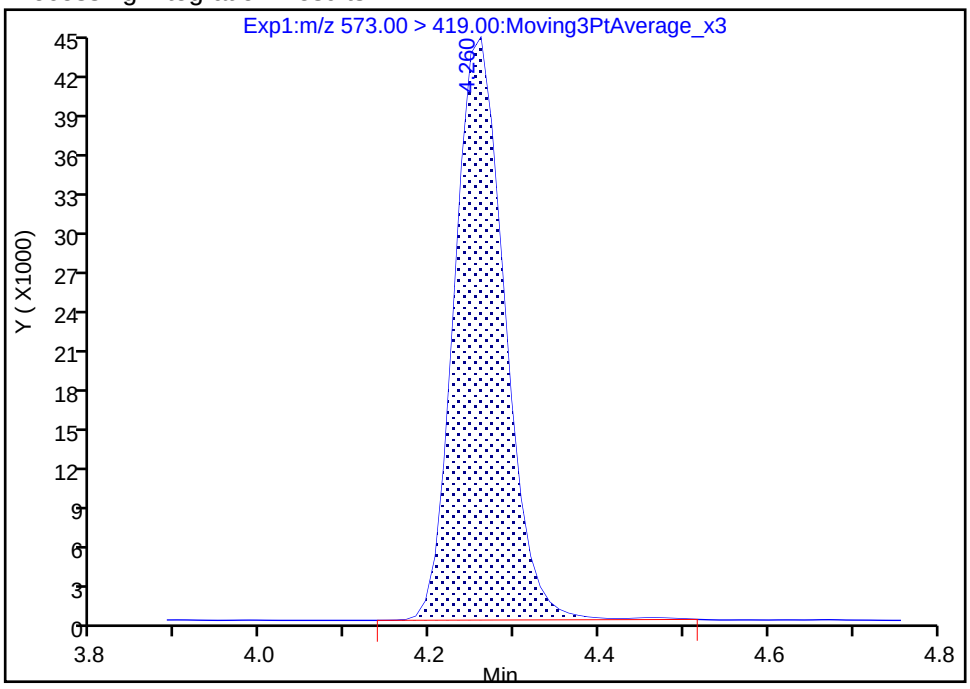
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B11.d				
Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	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

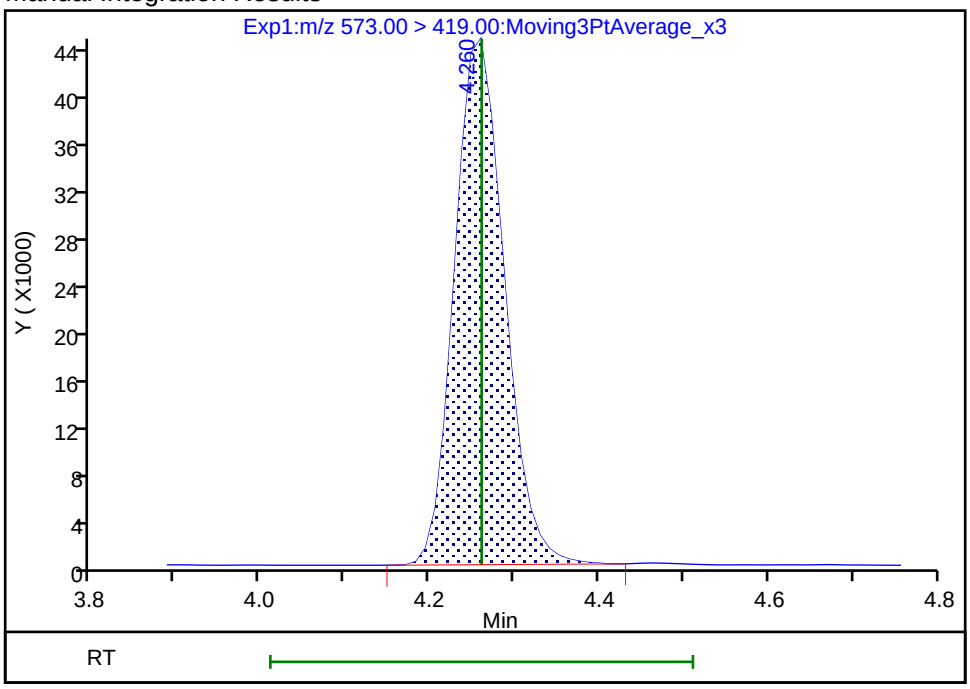
Processing Integration Results

RT: 4.26
Area: 181272
Amount: 0.859173
Amount Units: ng/ml



Manual Integration Results

RT: 4.26
Area: 180323
Amount: 0.856176
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:33:27

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

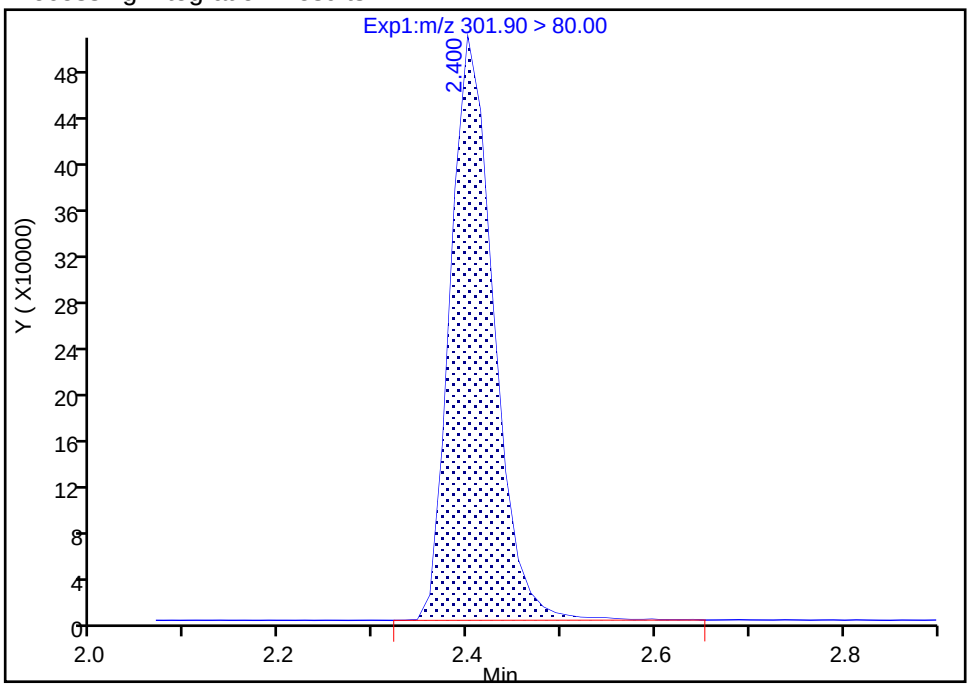
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B11.d				
Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

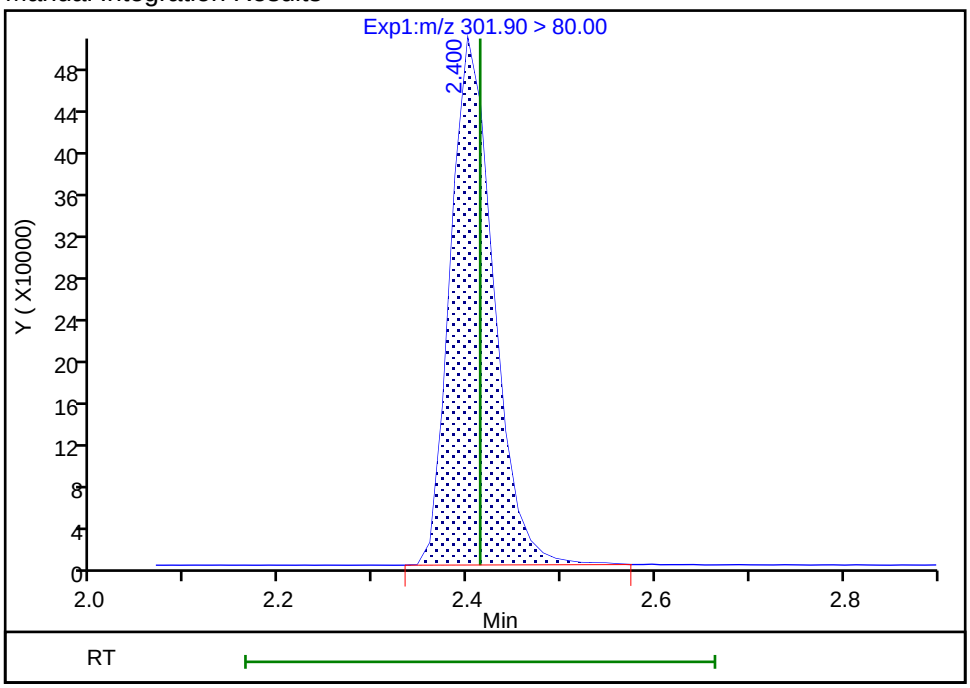
Processing Integration Results

RT: 2.40
Area: 1601060
Amount: 0.942451
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 1595698
Amount: 0.940945
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:32:56

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

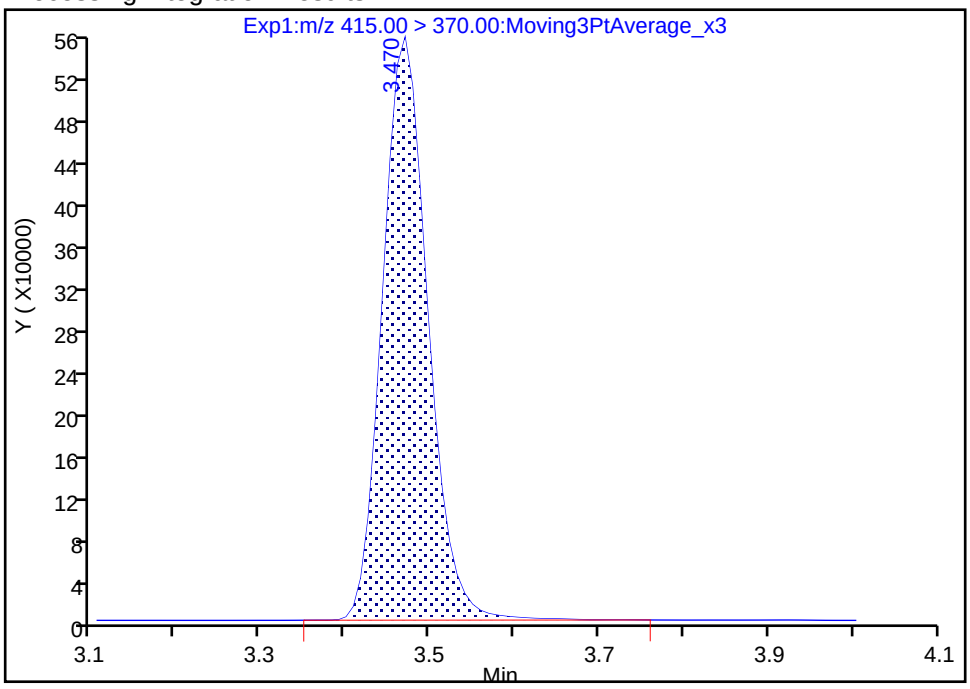
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B11.d				
Injection Date:	04-Aug-2022 15:23:00	Instrument ID:	LC812		
Lims ID:	460-262897-A-3-A	Lab Sample ID:	200-262897-3		
Client ID:	BCS-09-42 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

* 62 13C2 PFOA, CAS: STL00623

Signal: 1

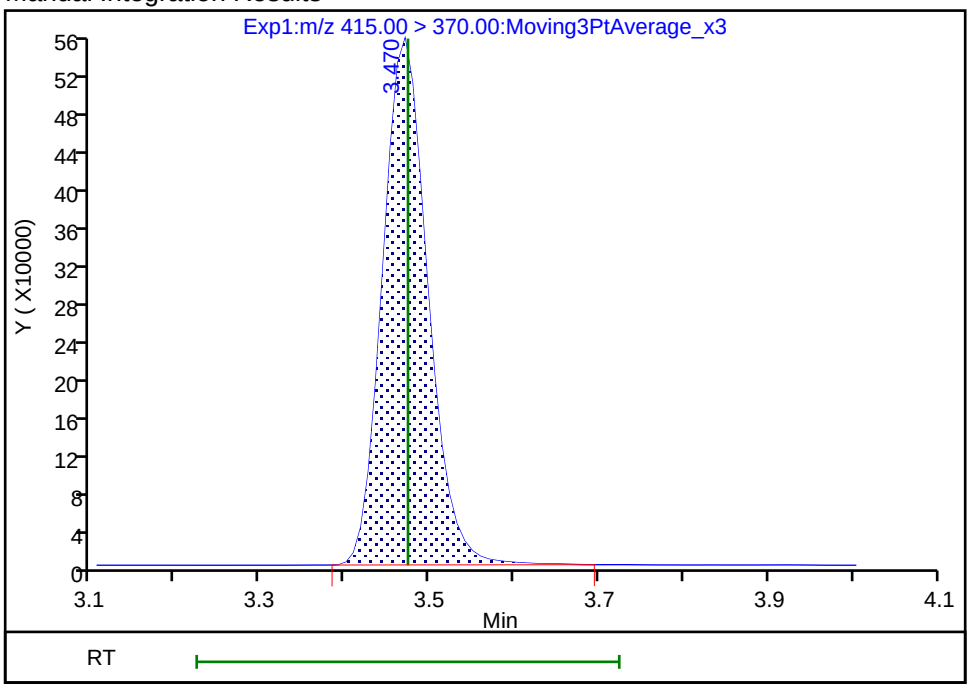
Processing Integration Results

RT: 3.47
Area: 2044490
Amount: 1.250000
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 2040905
Amount: 1.250000
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:33:37
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 460-262897-1

SDG No.:

Client Sample ID: BCS-09-43 (5-5.5)P | Lab Sample ID: 460-262897-4

Matrix: Solid | Lab File ID: PA220804B12.d

Analysis Method: 537 (modified) | Date Collected: 07/29/2022 10:20

Extraction Method: SHAKE | Date Extracted: 08/03/2022 11:39

Sample wt/vol: 5.06(g) | Date Analyzed: 08/04/2022 15:31

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

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

% Moisture: 17.1 % Solids: 82.9 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 182375 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.60	U	0.60	0.39
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.24	U	0.24	0.066
307-24-4	Perfluorohexanoic acid (PFHxA)	0.070	J	0.24	0.055
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.048	J	0.24	0.046
335-67-1	Perfluorooctanoic acid (PFOA)	0.13	J	0.24	0.069
375-95-1	Perfluorononanoic acid (PFNA)	0.24	U	0.24	0.041
335-76-2	Perfluorodecanoic acid (PFDA)	0.041	J	0.24	0.033
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.24	U	0.24	0.032
307-55-1	Perfluorododecanoic acid (PFDoA)	0.24	U	0.24	0.030
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.24	U	0.24	0.030
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.24	U	0.24	0.031
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.24	U	0.24	0.039
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.24	U	0.24	0.049
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.24	U	0.24	0.027
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.24	U	0.24	0.13
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.045	J	0.24	0.023
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.24	U	0.24	0.041
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.38	U	2.38	0.13
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.38	U	2.38	0.099
27619-97-2	6:2 FTS	2.38	U	2.38	0.068
39108-34-4	8:2 FTS	2.38	U	2.38	0.044

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 460-262897-1

SDG No.:

Client Sample ID: BCS-09-43 (5-5.5)P | Lab Sample ID: 460-262897-4

Matrix: Solid | Lab File ID: PA220804B12.d

Analysis Method: 537 (modified) | Date Collected: 07/29/2022 10:20

Extraction Method: SHAKE | Date Extracted: 08/03/2022 11:39

Sample wt/vol: 5.06(g) | Date Analyzed: 08/04/2022 15:31

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

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

% Moisture: 17.1 % Solids: 82.9 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 182375 | Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	89		50-150
STL01892	13C4 PFHpA	90		50-150
STL00990	13C4 PFOA	96		50-150
STL00991	13C4 PFOS	85		50-150
STL00995	13C5 PFNA	95		50-150
STL00992	13C4 PFBA	91		50-150
STL00993	13C2 PFHxA	96		50-150
STL00996	13C2 PFDA	91		50-150
STL00997	13C2 PFUnA	89		50-150
STL00998	13C2 PFDoA	90		50-150
STL01056	13C8 FOSA	83		50-150
STL01893	13C5 PFPeA	98		50-150
STL02116	13C2 PFTeDA	100		50-150
STL02118	d3-NMeFOSAA	74		50-150
STL02117	d5-NEtFOSAA	76		50-150
STL02279	M2-6:2 FTS	89		50-150
STL02280	M2-8:2 FTS	88		50-150
STL02337	13C3 PFBS	86		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B12.d
Lims ID: 460-262897-A-4-A
Client ID: BCS-09-43 (5-5.5)P
Sample Type: Client
Inject. Date: 04-Aug-2022 15:31:12 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: 460-262897-A-4-A
Misc. Info.: 200-0051959-012 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 05-Aug-2022 12:53:58 Calib Date: 03-Aug-2022 13:41:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1640

First Level Reviewer: nampitakw Date: 05-Aug-2022 11:43:31
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	2.077	2.076	0.001	0.599	1804612	1.13		90.6	5429	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.077	2.085	-0.008	1.000	22653	0.0162			2.2	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.388	2.400	-0.012	0.689	1497742	1.22		97.8	2825	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.388	2.400	-0.012	1.000	29851	0.0242			1.1	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.402	2.413	-0.011	0.693	1421180	1.00		86.2	144095	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.402	2.413	-0.011	1.000	2165	0.001604	Target=2.23		2.1	M
298.90 > 99.00	2.415	2.413	0.002	1.006	1697		1.28(1.11-3.34)		0.9	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.740	2.750	-0.010	1.000	35850	0.0293	Target=12.24		6.2	M
313.00 > 119.00	2.740	2.750	-0.010	1.000	2797		12.82(6.12-18.36)		4.2	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.740	2.750	-0.010	0.790	1467202	1.20		96.0	3012	
D 11 18O2 PFHxS										
403.00 > 84.00	3.101	3.110	-0.009	0.894	1044373	1.05		88.6	2353	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.101	3.110	-0.009	1.000	7293	0.007487	Target=3.43		16.8	M
399.00 > 99.00	3.112	3.110	0.002	1.004	2034		3.59(1.72-5.15)		2.6	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.112	3.121	-0.009	0.898	1432272	1.13		90.3	2444	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.112	3.121	-0.009	1.000	23884	0.0202	Target=3.73		5.9	M
363.00 > 169.00	3.101	3.121	-0.020	0.996	5832		4.10(1.86-5.59)		11.7	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 12 M2-6:2 FTS										
429.00 > 81.00	3.458	3.465	-0.007	0.997	176765	1.06		89.2	428	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.441	3.465	-0.024	0.995	211	-0.0158			1.4	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.467	3.474	-0.007	1.000	73460	0.0525	Target=2.67		8.8	M
413.00 > 169.00	3.467	3.474	-0.007	1.000	30817		2.38(1.34-4.01)		57.5	
D 14 13C4 PFOA										
417.00 > 372.00	3.467	3.474	-0.007	1.000	1558551	1.20		95.9	3174	
* 62 13C2 PFOA										
415.00 > 370.00	3.467	3.474	-0.007		1705873	1.25			2160	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.786	3.792	-0.006	1.000	32991	0.0336	Target=4.88		23.5	M
499.00 > 99.00	3.786	3.792	-0.006	1.000	9127		3.61(2.44-7.32)		24.2	M
D 18 13C4 PFOS										
503.00 > 80.00	3.786	3.792	-0.006	1.092	760540	1.02		85.5	3018	
20 Perfluorononanoic acid										M
463.00 > 419.00	3.805	3.812	-0.007	1.000	11179	0.008611	Target=8.23		3.1	M
463.00 > 169.00	3.786	3.812	-0.026	0.995	1042		10.73(4.11-12.34)		15.3	M
D 19 13C5 PFNA										
468.00 > 423.00	3.805	3.812	-0.007	1.098	1594824	1.18		94.5	3816	
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.107	4.116	-0.009	1.000	21492	0.0172	Target=9.67		12.7	M
513.00 > 169.00	4.118	4.116	0.002	1.003	3312		6.49(4.83-14.50)		16.5	M
D 23 13C2 PFDA										M
515.00 > 470.00	4.107	4.116	-0.009	1.184	1488918	1.13		90.7	1649	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.118	4.127	-0.009	1.188	212406	1.06		88.4	595	
D 21 13C8 FOSA										M
506.00 > 78.00	4.164	4.161	0.003	1.201	1197546	1.04		83.3	1426	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.164	4.161	0.003	1.000	2278	0.002333			10.7	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.264	4.261	0.003	1.003	145	0.001251			0.8	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.253	4.261	-0.008	1.227	163197	0.9270		74.2	630	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.357	4.365	-0.008	1.151	7041	0.0190	Target=2.80		12.6	M
599.00 > 99.00	4.346	4.365	-0.019	1.148	3610		1.95(1.40-4.20)		18.9	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.380	4.387	-0.007	1.263	1104716	1.11		88.8	1990	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.413	4.399	0.014	1.005	214	0.001865			3.0	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.391	4.399	-0.008	1.266	157958	0.9480		75.8	758	
D 36 13C2 PFDoA										
615.00 > 570.00	4.624	4.633	-0.009	1.334	1164708	1.13		90.4	1413	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.624	4.633	-0.009	1.000	3129	0.003311	Target=6.97		0.7	M
613.00 > 169.00	4.613	4.633	-0.020	0.998	451		6.94(3.48-10.45)		5.6	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.826	4.859	-0.033	1.044	1248	0.001524	Target=4.56		0.4	M
663.00 > 169.00	4.838	4.859	-0.021	1.046	268		4.66(2.28-6.84)		4.6	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.042	5.052	-0.010	1.454	1051462	1.25		99.8	1704	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.052	5.052	0.0	1.002	454	0.003369	Target=0.94		10.1	M
713.00 > 219.00	5.042	5.052	-0.010	1.000	653		0.70(0.47-1.41)		17.8	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Report Date: 05-Aug-2022 12:54:41 Chrom Revision: 2.3 04-Aug-2022 18:02:28

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B12.d

Injection Date: 04-Aug-2022 15:31:12 Instrument ID: LC812

Lims ID: 460-262897-A-4-A Lab Sample ID: 200-262897-4

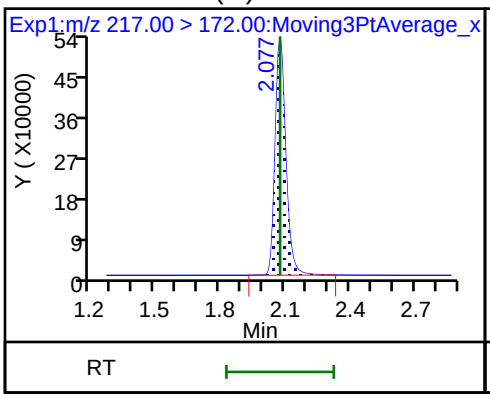
Client ID: BCS-09-43 (5-5.5)P

Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12

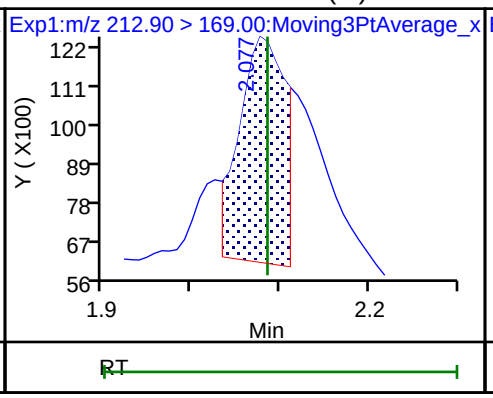
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

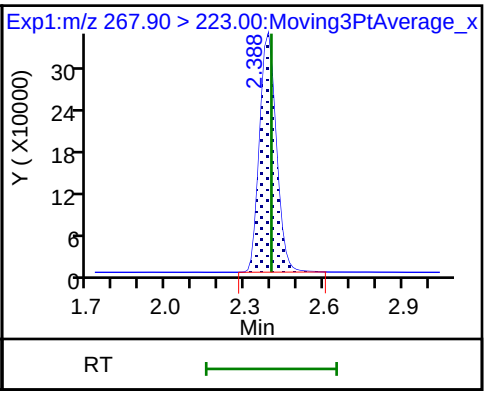
D 1 13C4 PFBA (M)



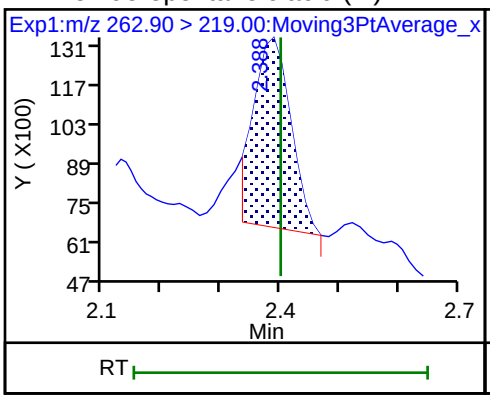
2 Perfluorobutanoic acid (M)



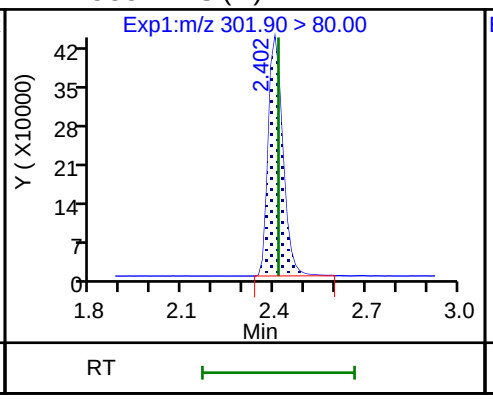
D 3 13C5 PFPeA



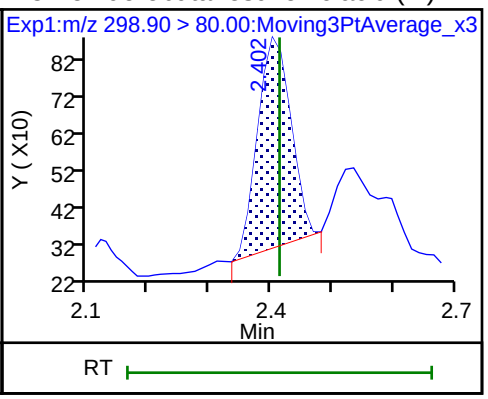
4 Perfluoropentanoic acid (M)



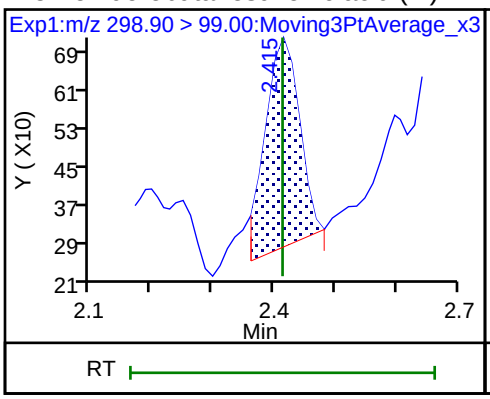
D 47 13C3 PFBS (M)



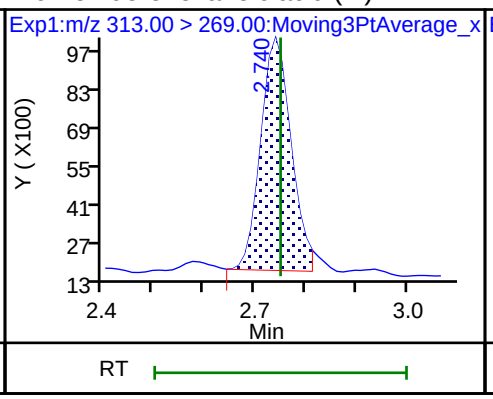
5 Perfluorobutanesulfonic acid (M)



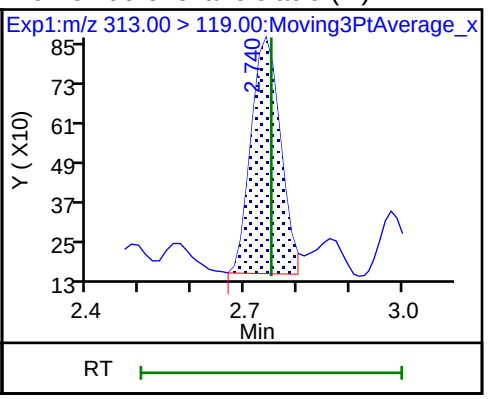
5 Perfluorobutanesulfonic acid (M)



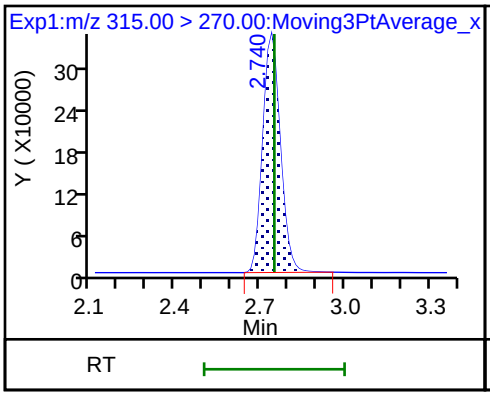
6 Perfluorohexanoic acid (M)



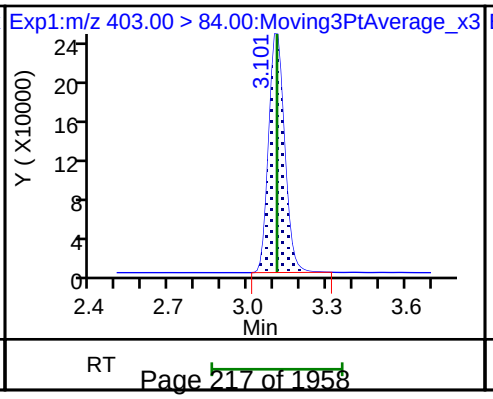
6 Perfluorohexanoic acid (M)



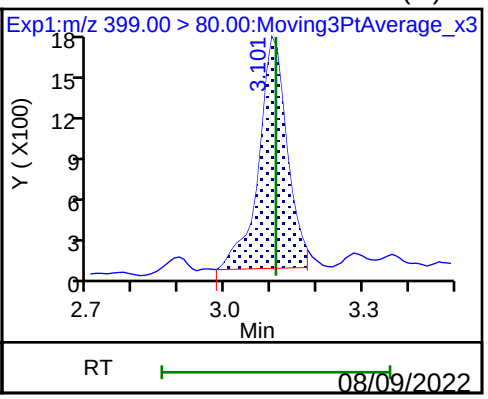
D 7 13C2 PFHxA



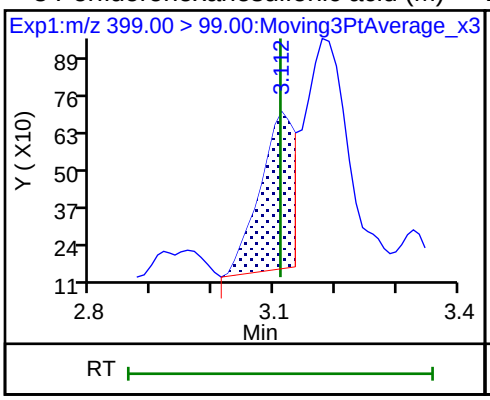
D 11 18O2 PFHxS



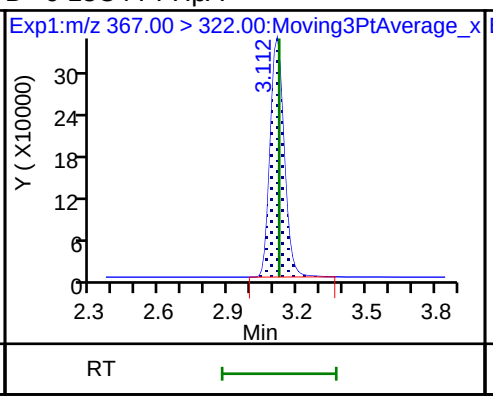
8 Perfluorohexanesulfonic acid (M)



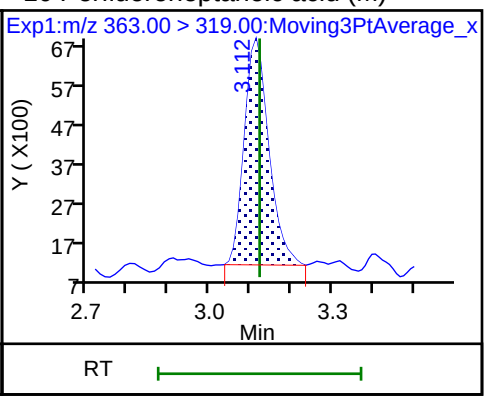
8 Perfluorohexanesulfonic acid (M)



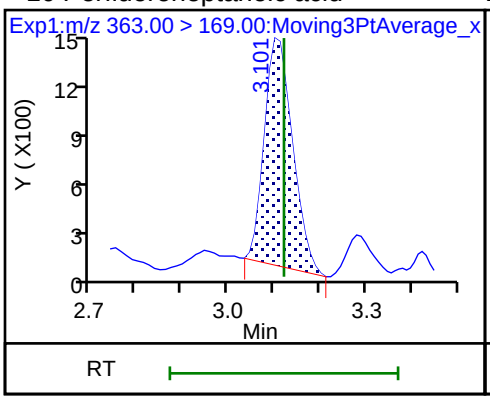
D 9 13C4 PFHpA



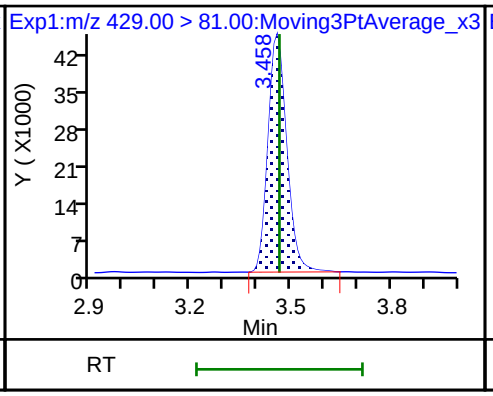
10 Perfluoroheptanoic acid (M)



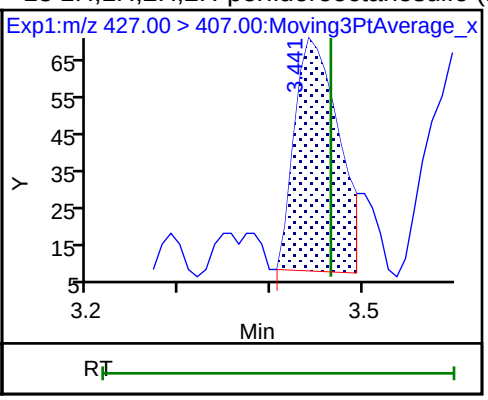
10 Perfluoroheptanoic acid



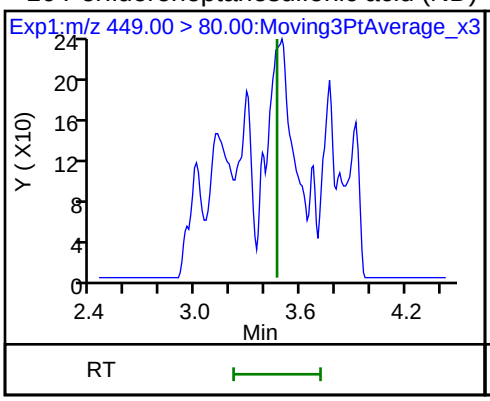
D 12 M2-6:2 FTS



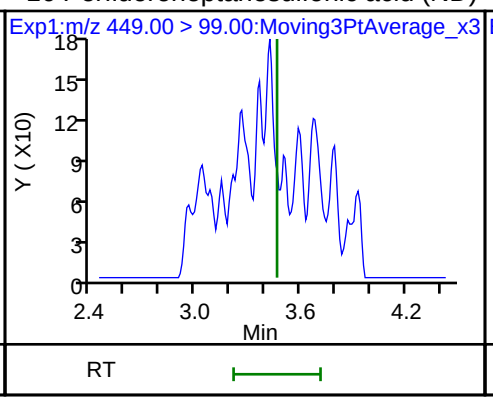
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



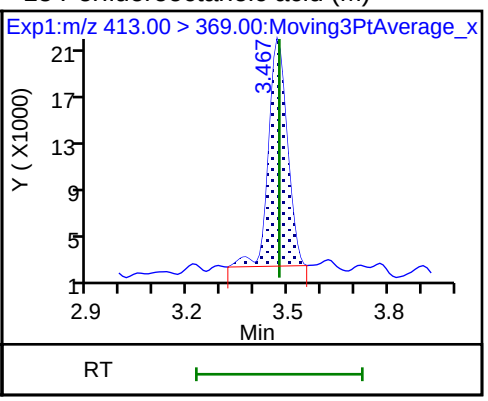
16 Perfluoroheptanesulfonic acid (ND)



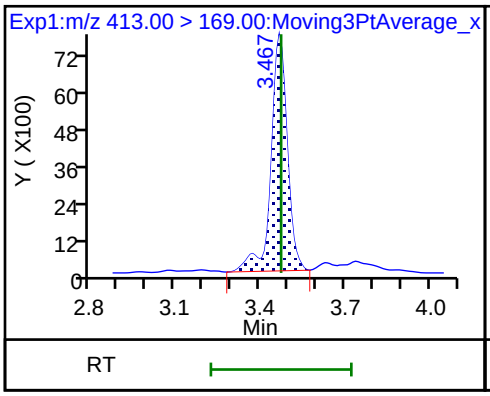
16 Perfluoroheptanesulfonic acid (ND)



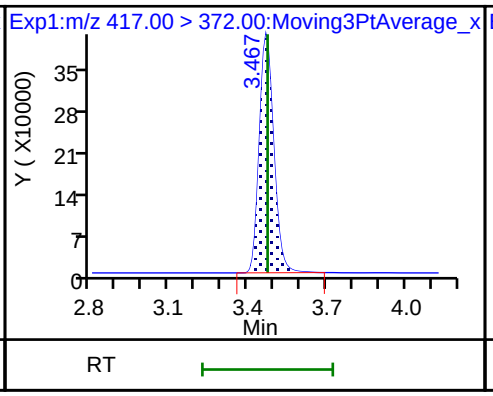
15 Perfluorooctanoic acid (M)



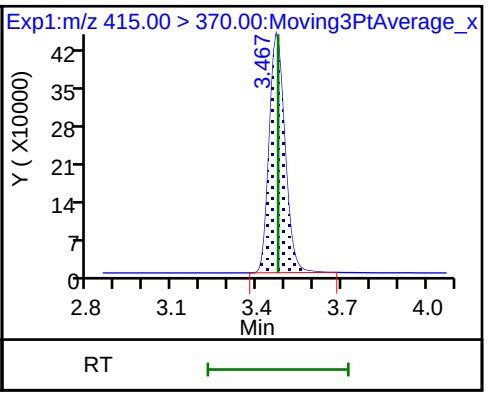
15 Perfluorooctanoic acid



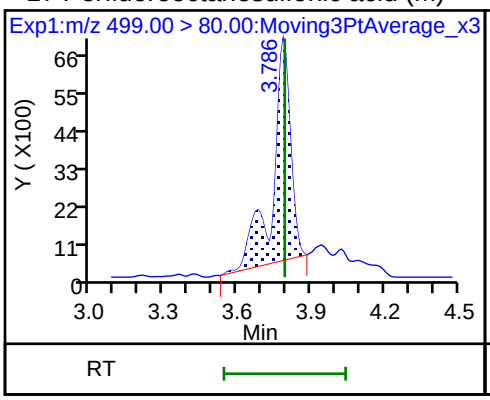
D 14 13C4 PFOA



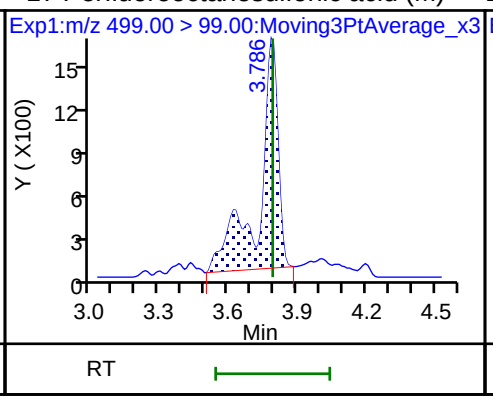
* 62 13C2 PFOA



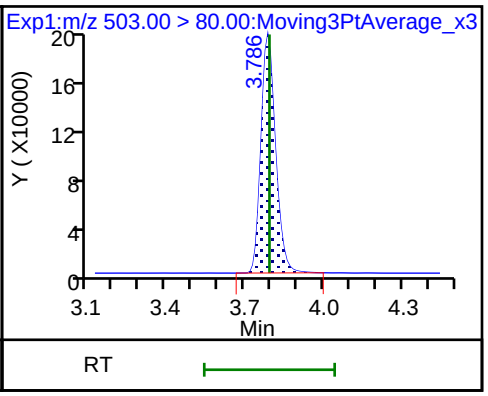
17 Perfluorooctanesulfonic acid (M)



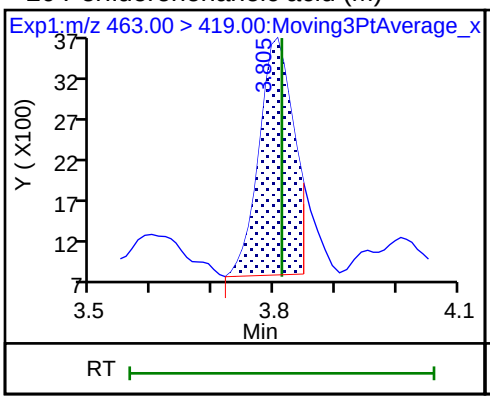
17 Perfluorooctanesulfonic acid (M)



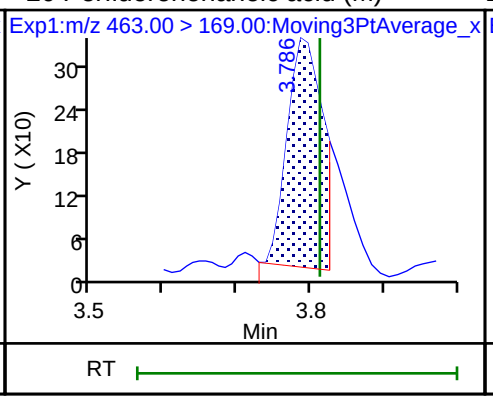
D 18 13C4 PFOS



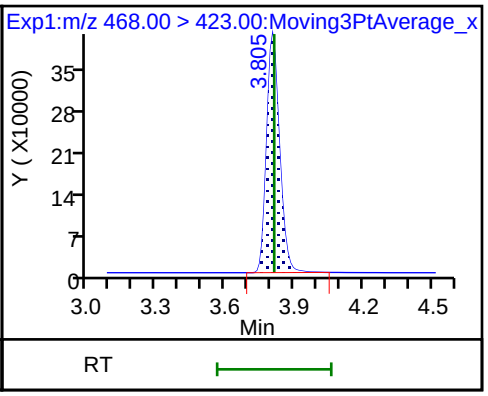
20 Perfluorononanoic acid (M)



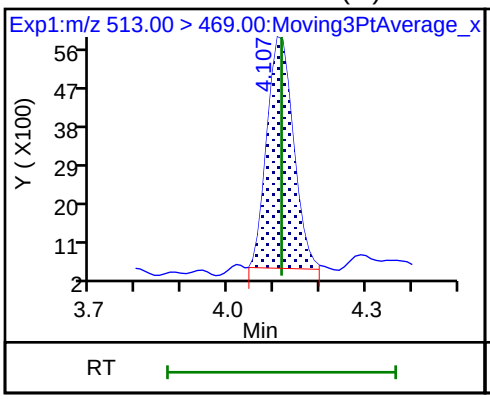
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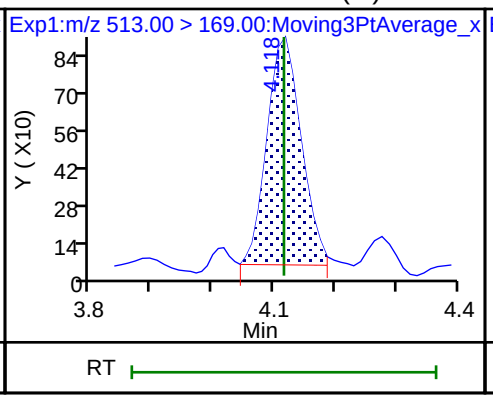
D 19 13C5 PFNA



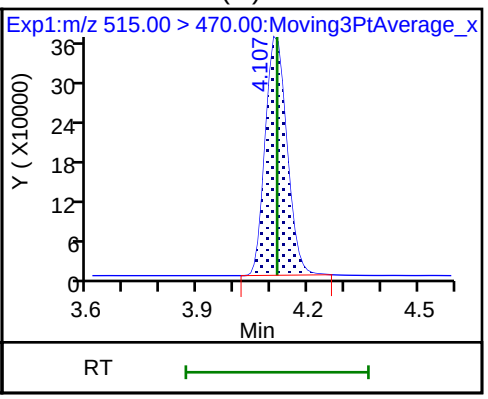
24 Perfluorodecanoic acid (M)



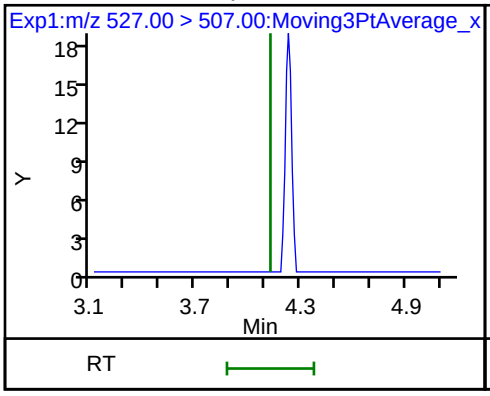
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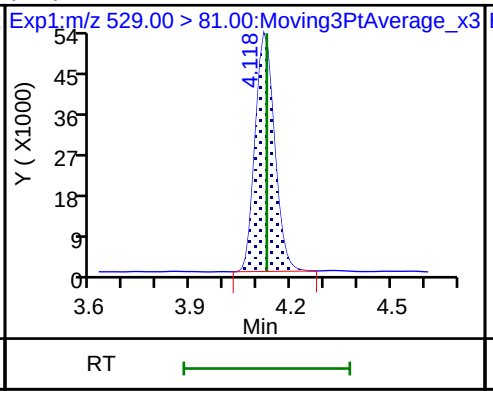
D 23 13C2 PFDA (M)



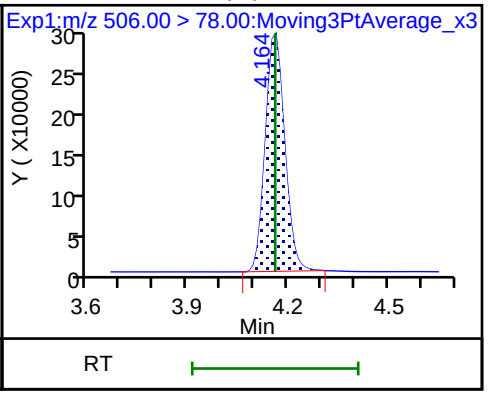
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



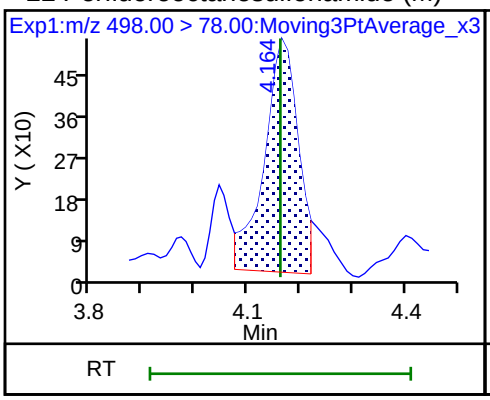
D 26 M2-8:2 FTS



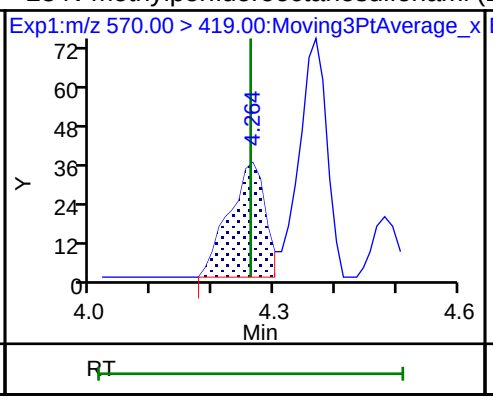
D 21 13C8 FOSA (M)



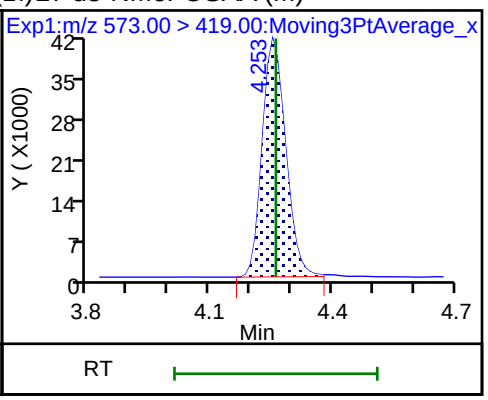
22 Perfluorooctanesulfonamide (M)



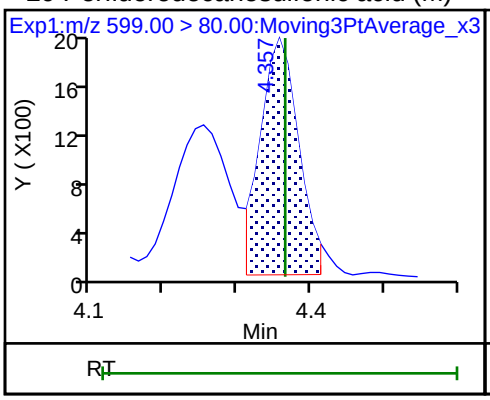
28 N-methylperfluorooctanesulfonami (M)



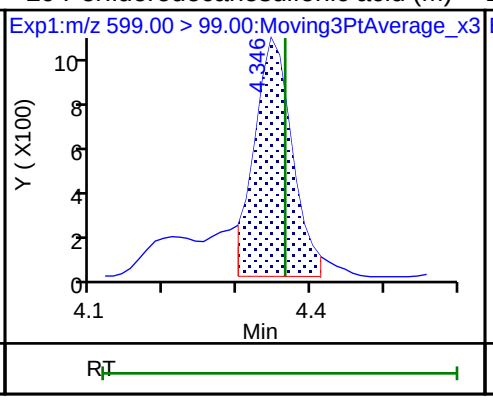
D 27 d3-NMeFOSAA (M)



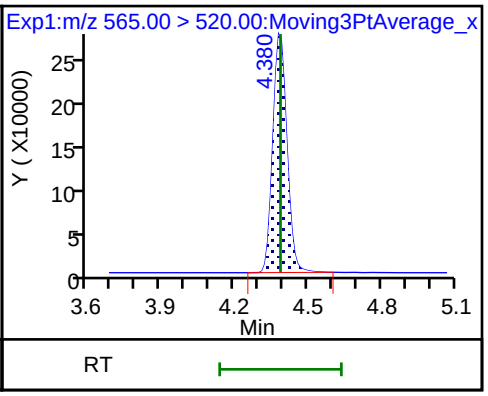
29 Perfluorodecanesulfonic acid (M)



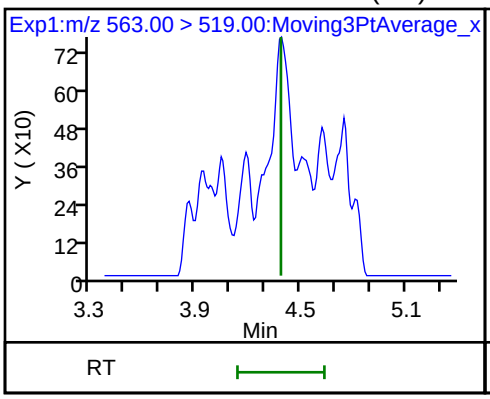
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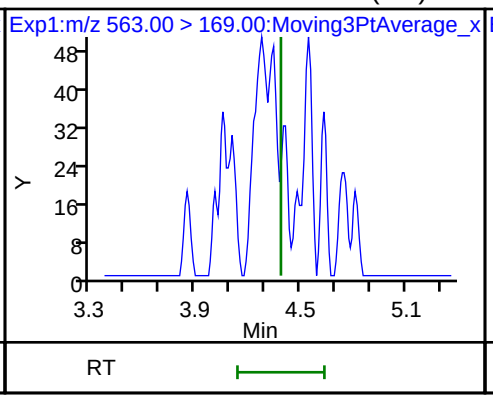
D 30 13C2 PFUnA



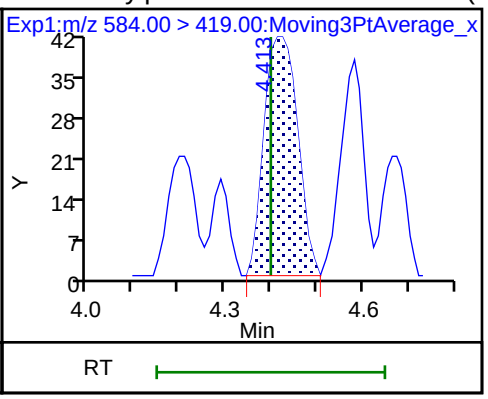
31 Perfluoroundecanoic acid (ND)



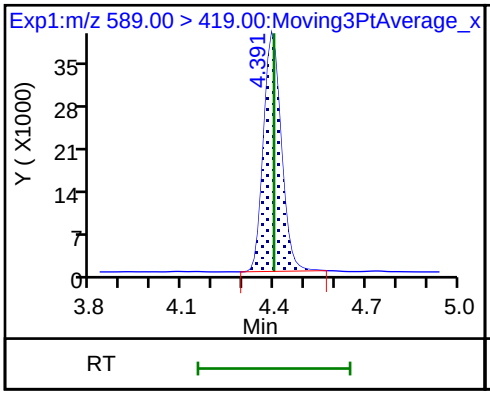
31 Perfluoroundecanoic acid (ND)



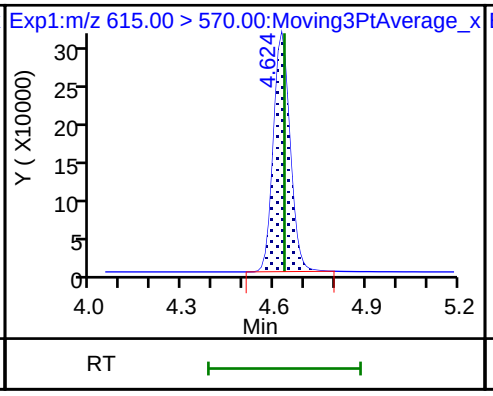
33 N-ethylperfluorooctanesulfonamid (M)



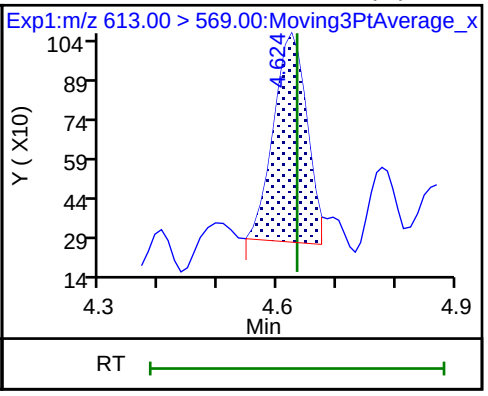
D 32 d5-NEtFOSAA



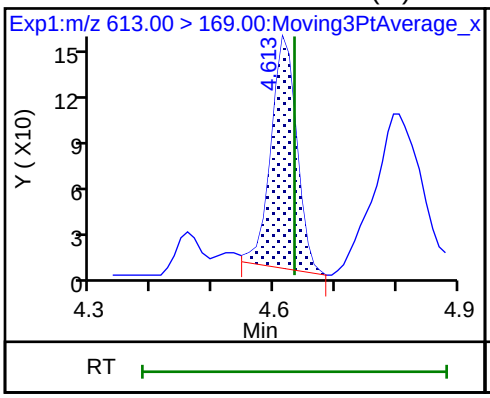
D 36 13C2 PFDoA



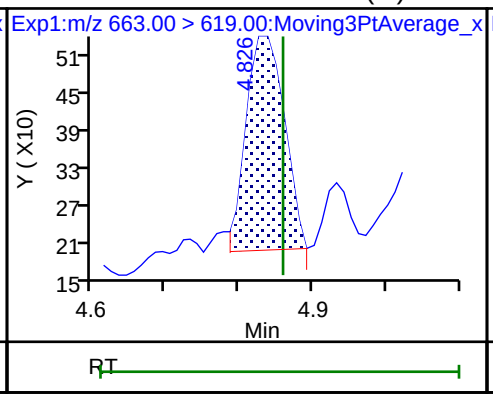
37 Perfluorododecanoic acid (M)



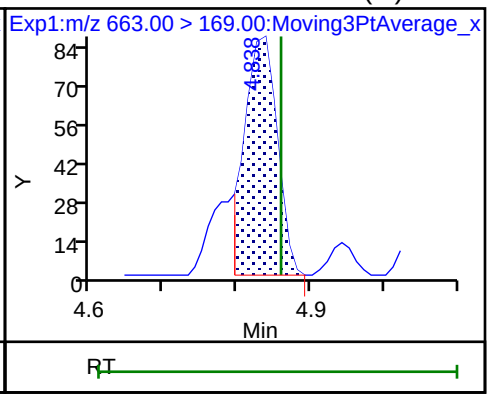
37 Perfluorododecanoic acid (M)



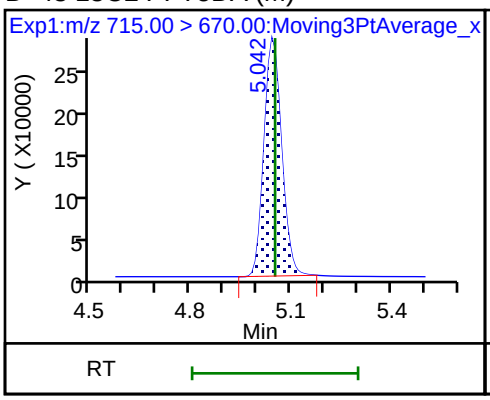
41 Perfluorotridecanoic acid (M)



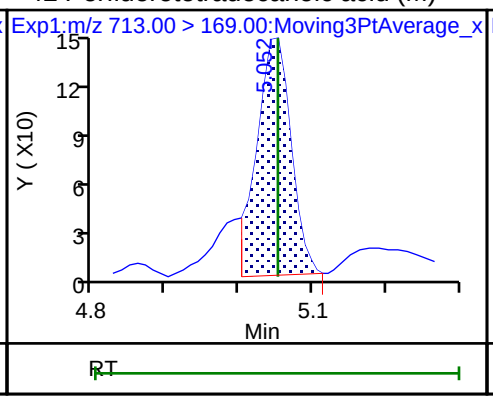
41 Perfluorotridecanoic acid (M)



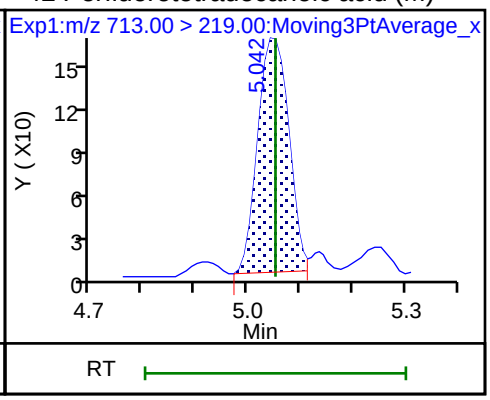
D 43 13C2 PFTeDA (M)



42 Perfluorotetradecanoic acid (M)



42 Perfluorotetradecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins Burlington

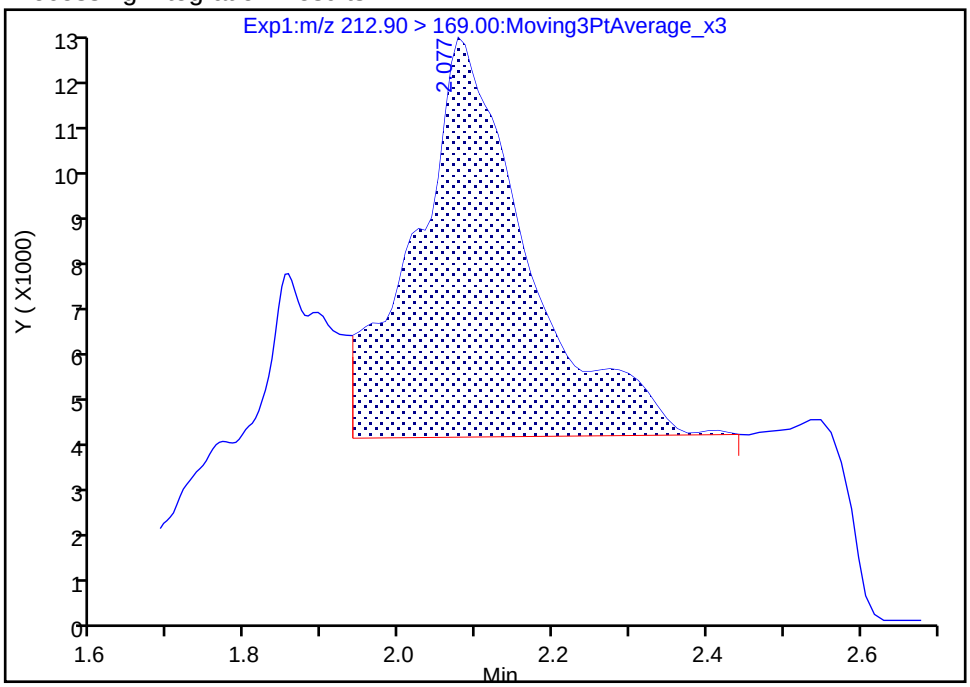
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B12.d				
Injection Date:	04-Aug-2022 15:31:12	Instrument ID:	LC812		
Lims ID:	460-262897-A-4-A	Lab Sample ID:	200-262897-4		
Client ID:	BCS-09-43 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	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

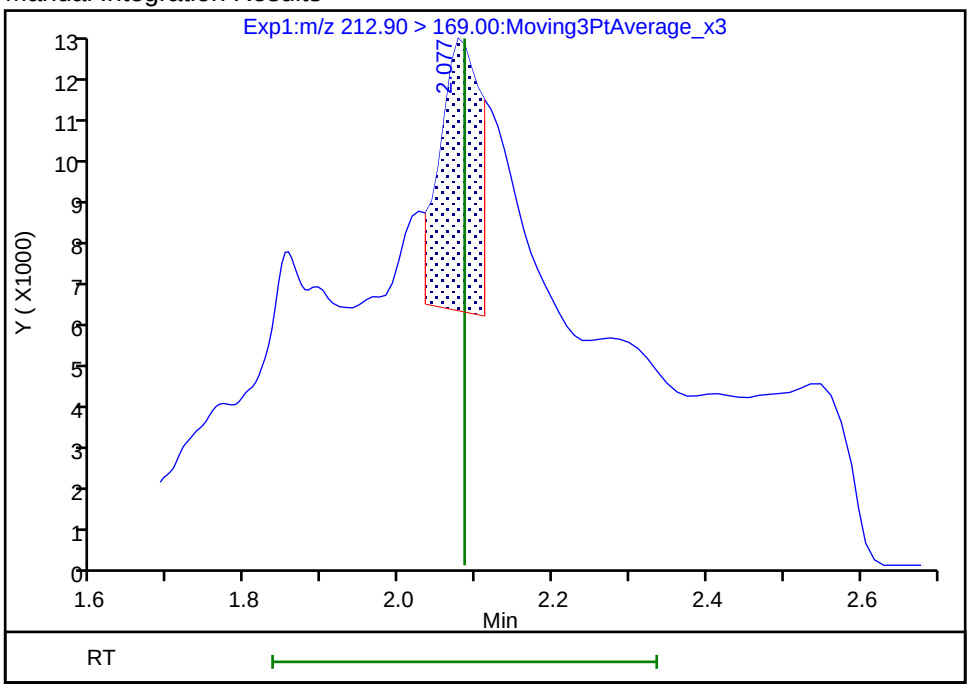
Processing Integration Results

RT: 2.08
Area: 87103
Amount: 0.062219
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 22653
Amount: 0.016182
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:39:51
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

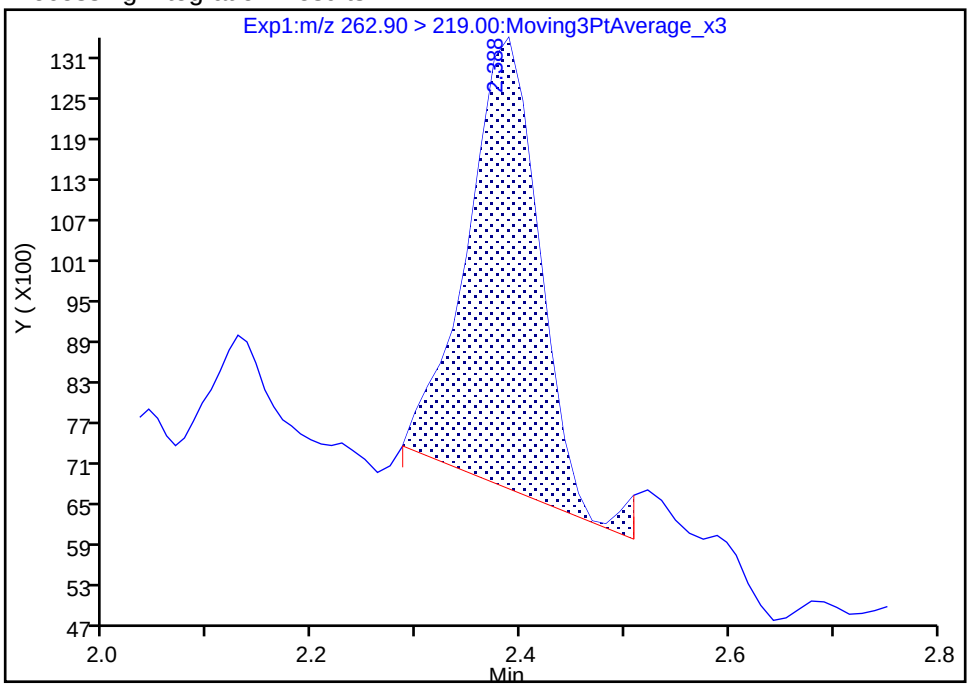
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Injection Date:	04-Aug-2022 15:31:12	Instrument ID:	LC812		
Lims ID:	460-262897-A-4-A	Lab Sample ID:	200-262897-4		
Client ID:	BCS-09-43 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
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

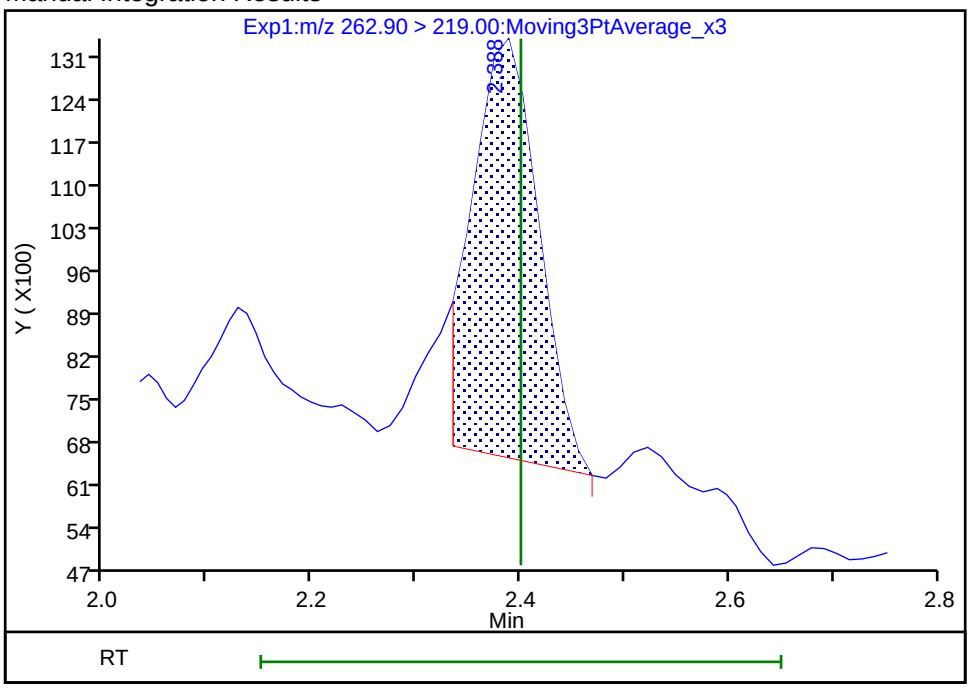
Processing Integration Results

RT: 2.39
Area: 32185
Amount: 0.026055
Amount Units: ng/ml



Manual Integration Results

RT: 2.39
Area: 29851
Amount: 0.024166
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:40:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

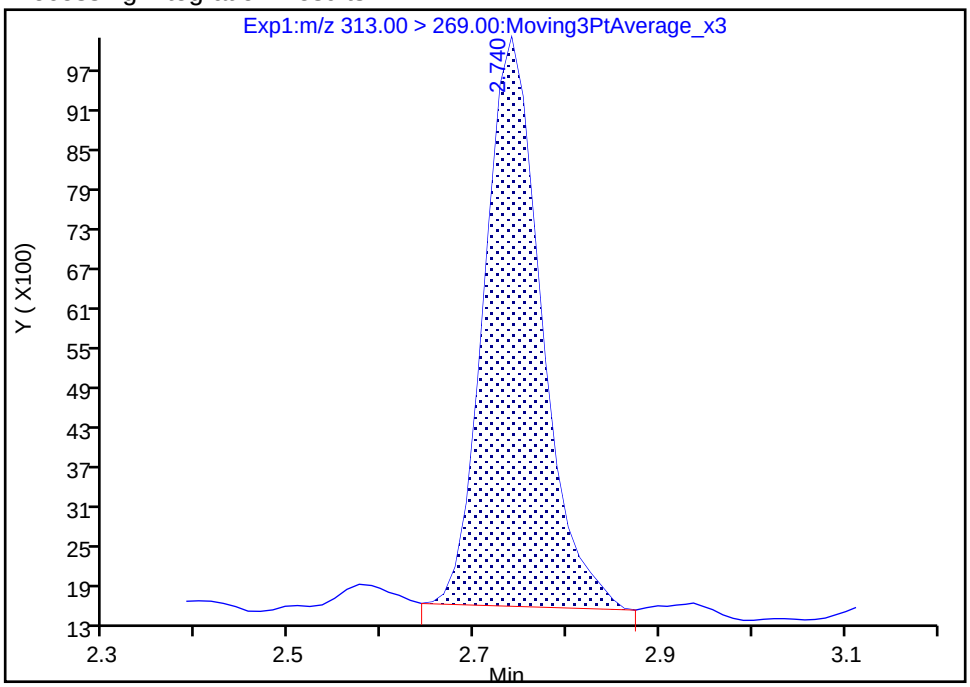
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B12.d				
Injection Date:	04-Aug-2022 15:31:12	Instrument ID:	LC812		
Lims ID:	460-262897-A-4-A	Lab Sample ID:	200-262897-4		
Client ID:	BCS-09-43 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	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

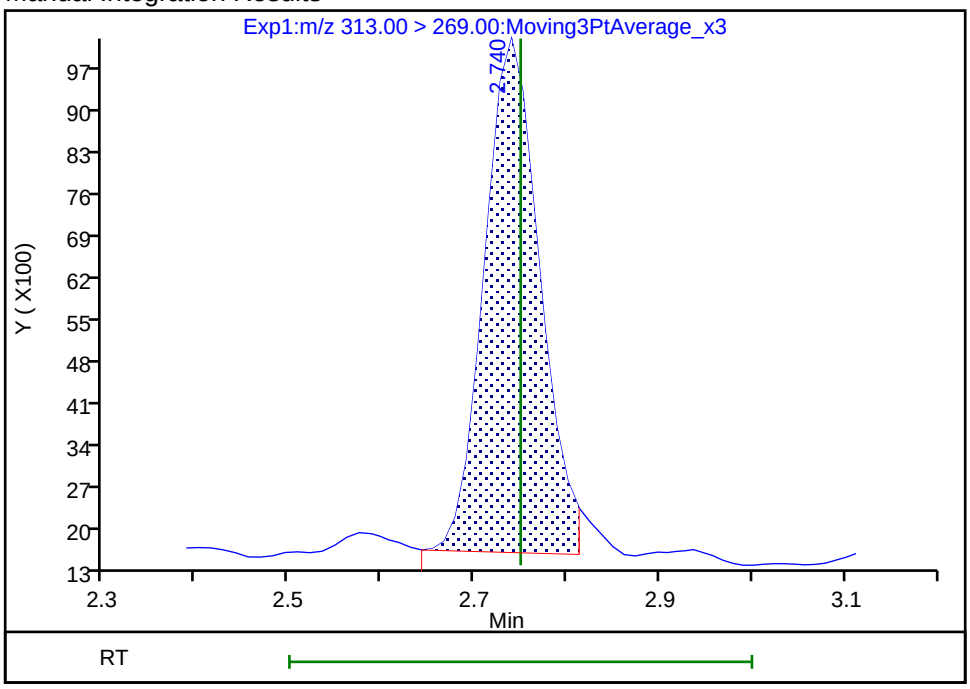
Processing Integration Results

RT: 2.74
Area: 36897
Amount: 0.030126
Amount Units: ng/ml



Manual Integration Results

RT: 2.74
Area: 35850
Amount: 0.029271
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:40:18
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

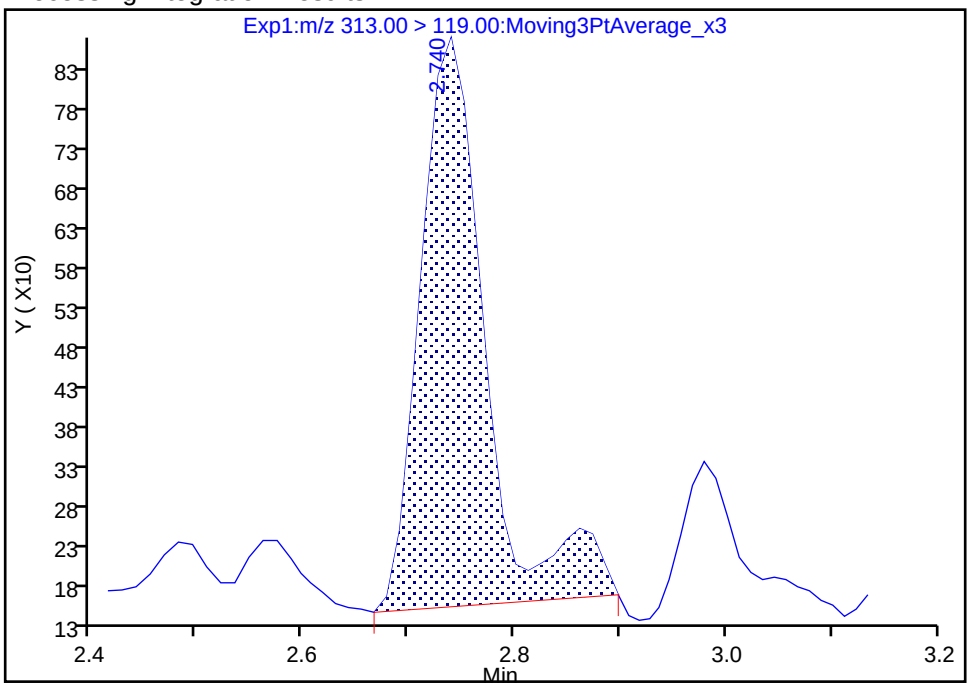
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B12.d				
Injection Date:	04-Aug-2022 15:31:12	Instrument ID:	LC812		
Lims ID:	460-262897-A-4-A	Lab Sample ID:	200-262897-4		
Client ID:	BCS-09-43 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	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

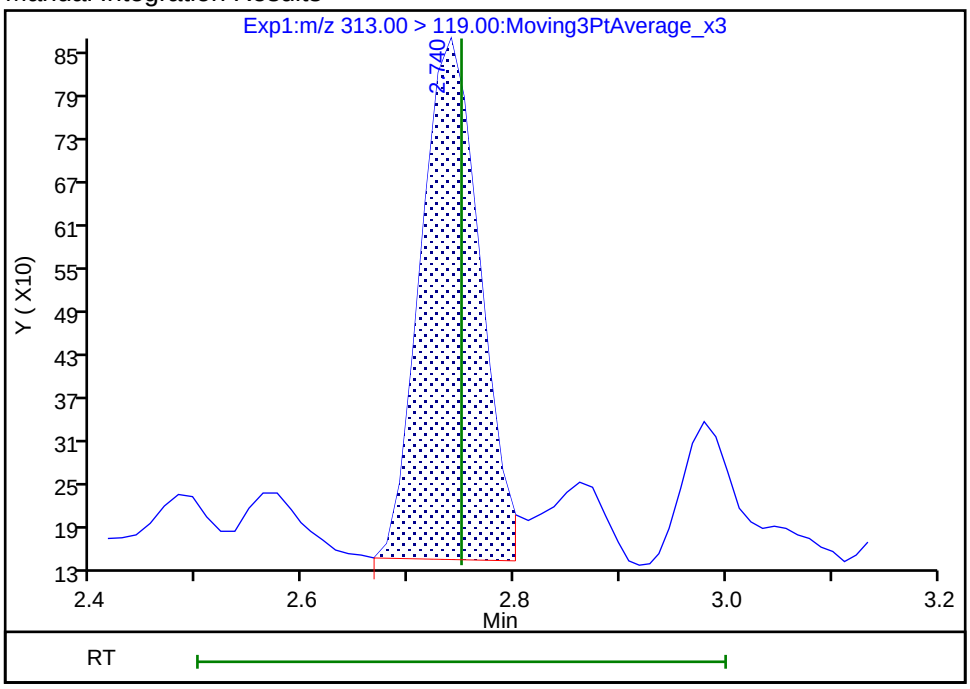
Processing Integration Results

RT: 2.74
Area: 3050
Amount: 0.030126
Amount Units: ng/ml



Manual Integration Results

RT: 2.74
Area: 2797
Amount: 0.029271
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:40:20
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

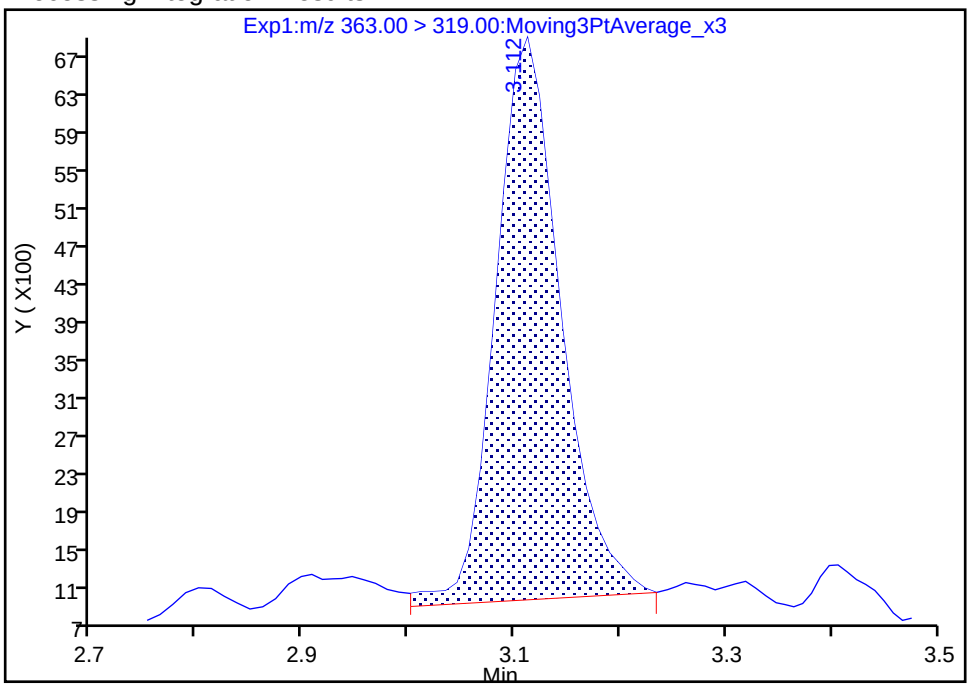
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B12.d				
Injection Date:	04-Aug-2022 15:31:12	Instrument ID:	LC812		
Lims ID:	460-262897-A-4-A	Lab Sample ID:	200-262897-4		
Client ID:	BCS-09-43 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	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

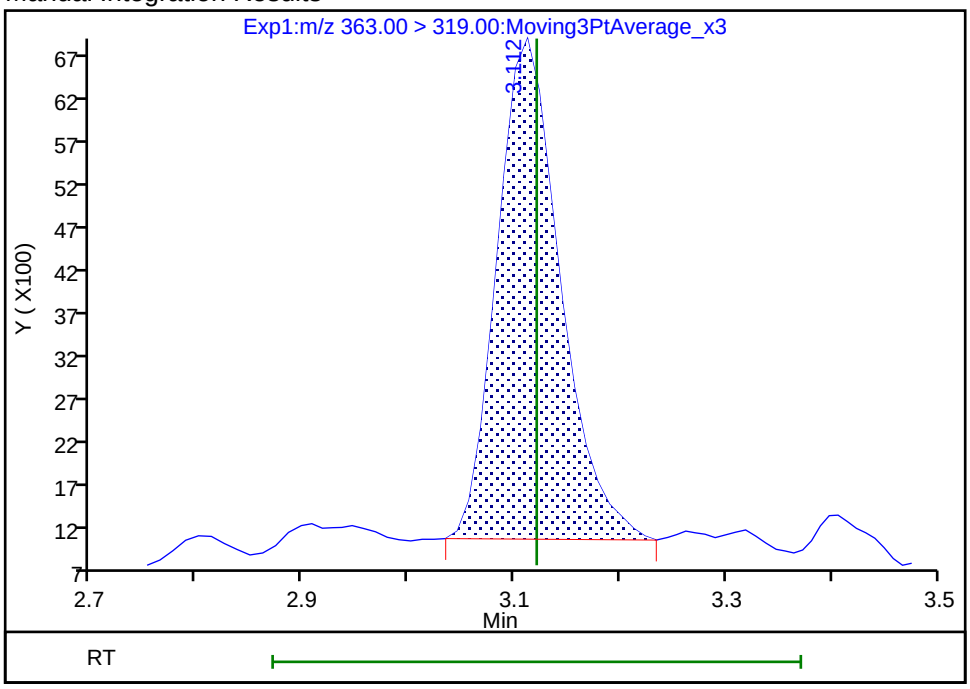
Processing Integration Results

RT: 3.11
Area: 25011
Amount: 0.021180
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 23884
Amount: 0.020226
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:40:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

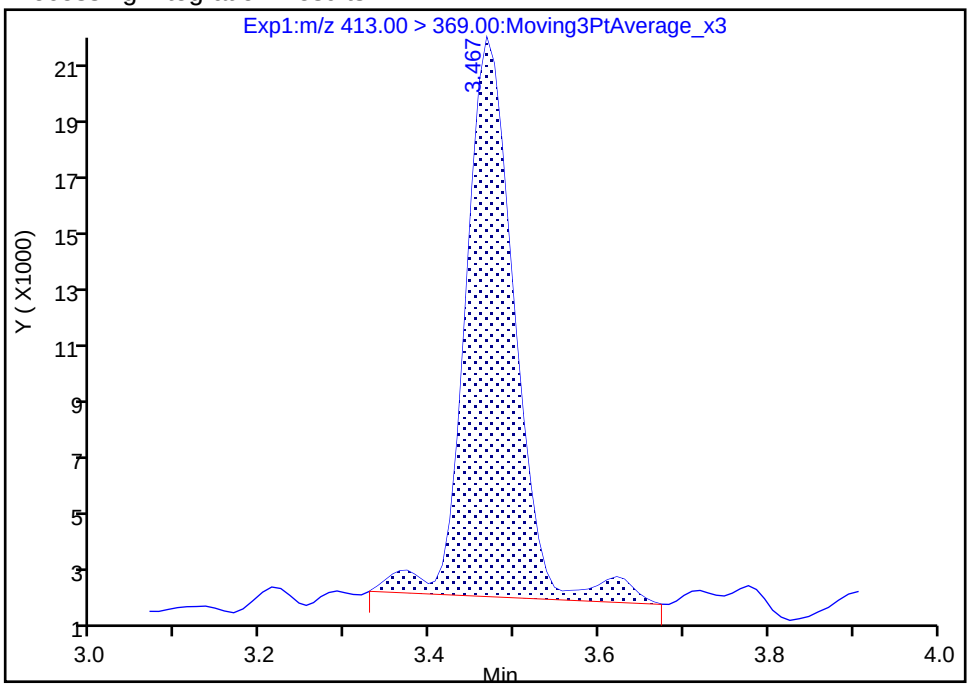
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Injection Date:	04-Aug-2022 15:31:12	Instrument ID:	LC812		
Lims ID:	460-262897-A-4-A	Lab Sample ID:	200-262897-4		
Client ID:	BCS-09-43 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
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

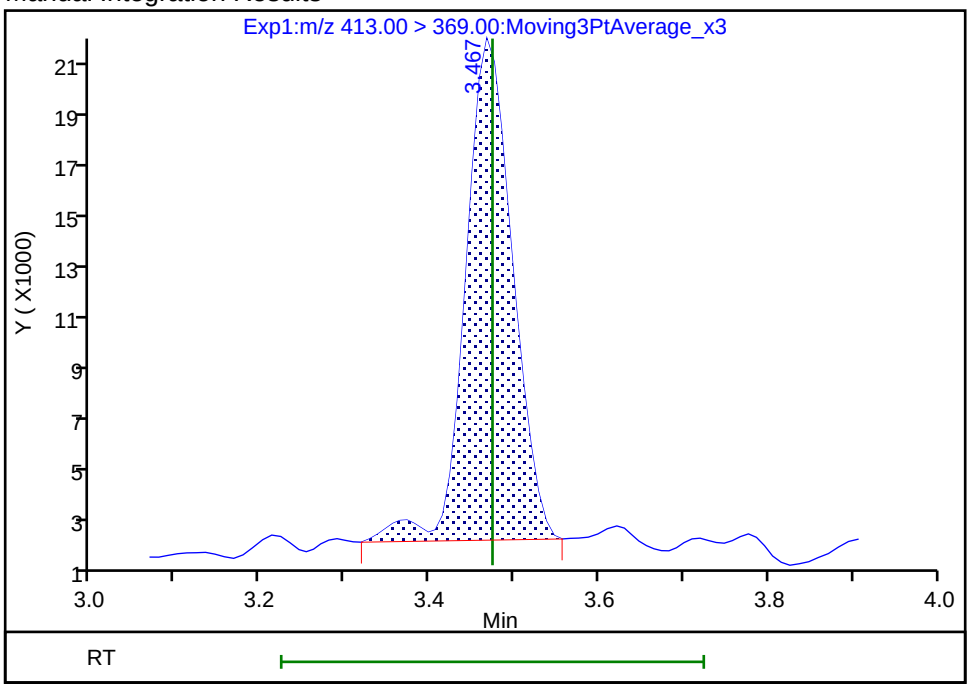
Processing Integration Results

RT: 3.47
Area: 77850
Amount: 0.055679
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 73460
Amount: 0.052539
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:41:12

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

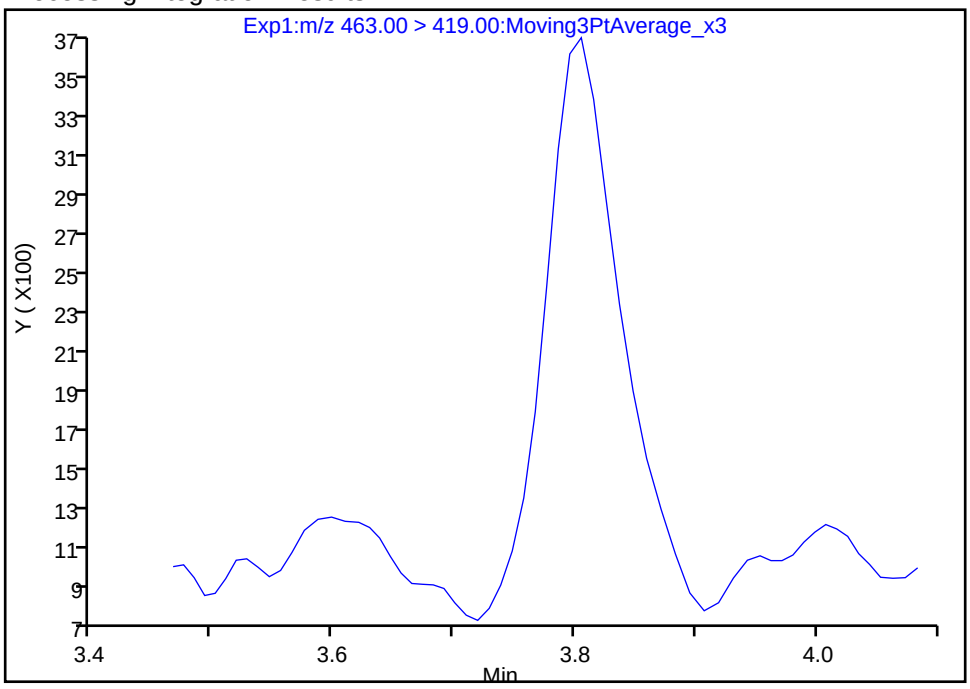
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Injection Date:	04-Aug-2022 15:31:12	Instrument ID:	LC812		
Lims ID:	460-262897-A-4-A	Lab Sample ID:	200-262897-4		
Client ID:	BCS-09-43 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

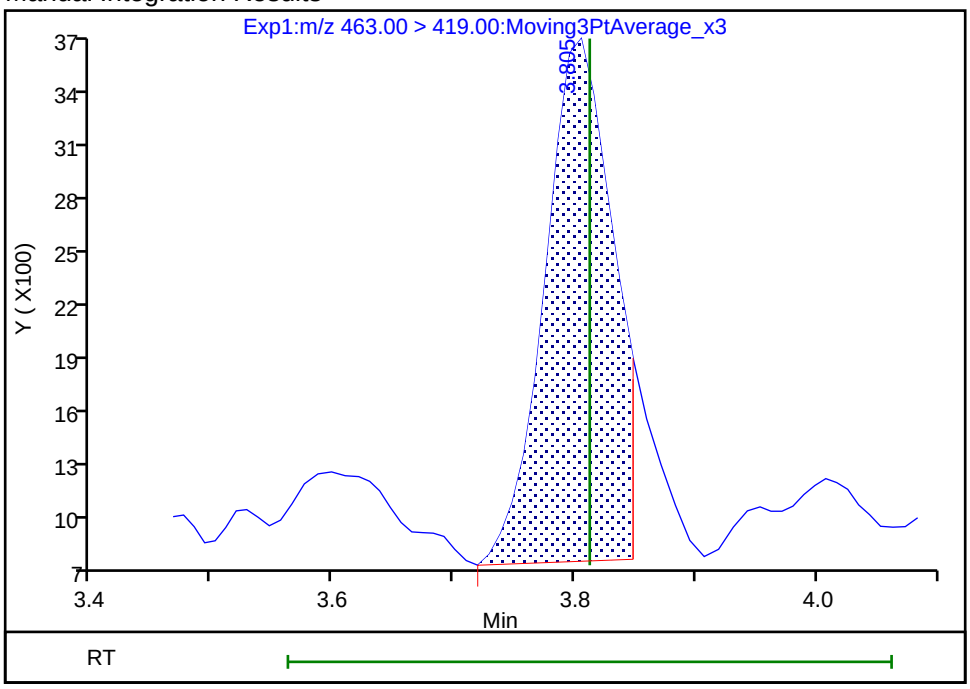
Not Detected
Expected RT: 3.81

Processing Integration Results



Manual Integration Results

RT: 3.81
Area: 11179
Amount: 0.008611
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:41:38
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

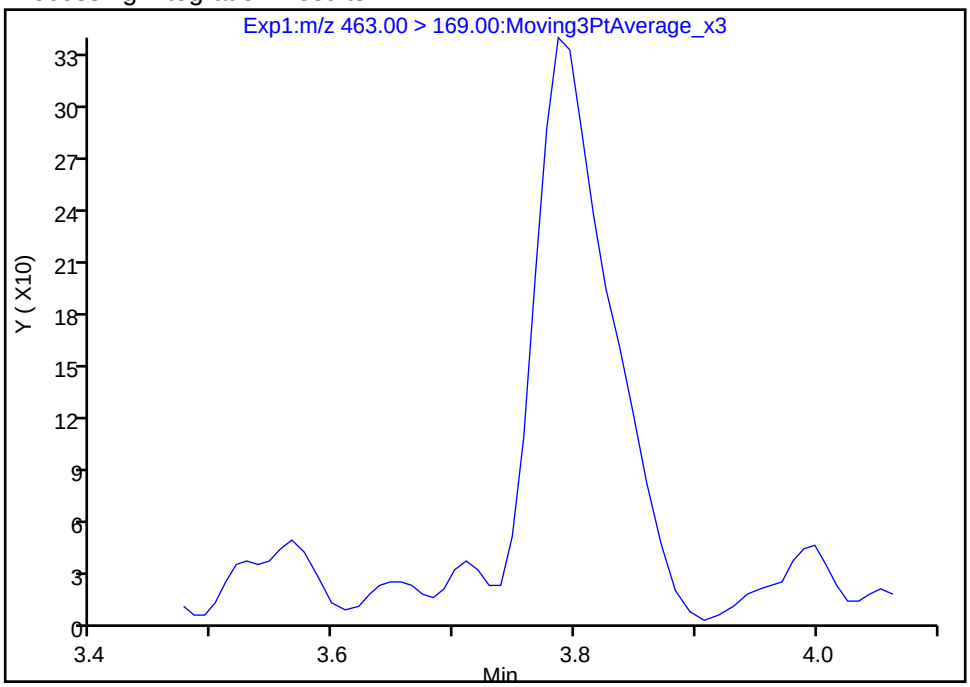
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Injection Date:	04-Aug-2022 15:31:12	Instrument ID:	LC812		
Lims ID:	460-262897-A-4-A	Lab Sample ID:	200-262897-4		
Client ID:	BCS-09-43 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

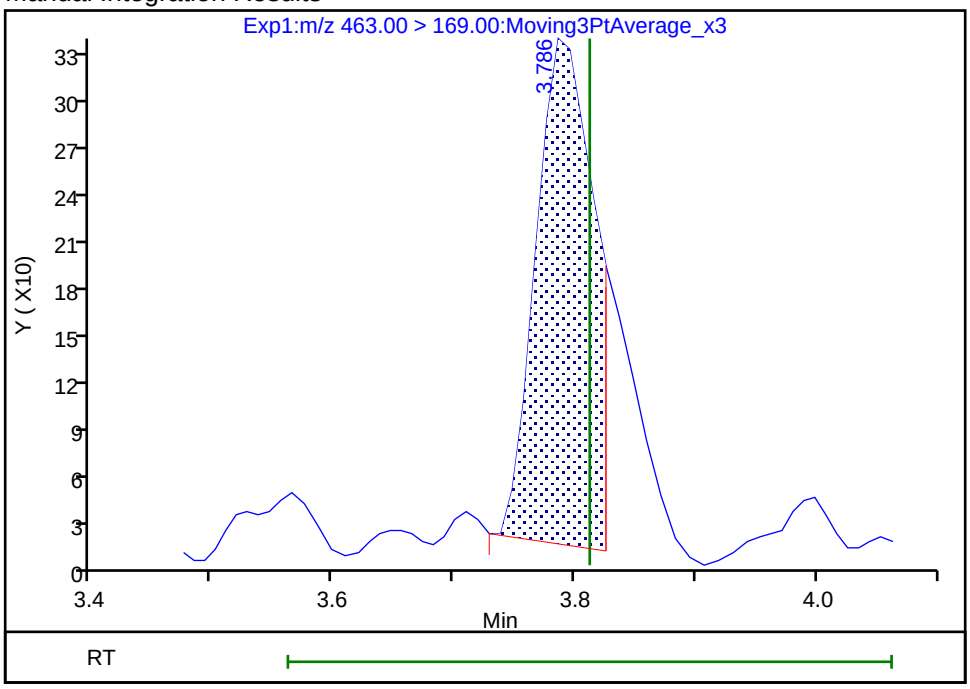
Not Detected
Expected RT: 3.81

Processing Integration Results



Manual Integration Results

RT: 3.79
Area: 1042
Amount: 0.008611
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:41:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

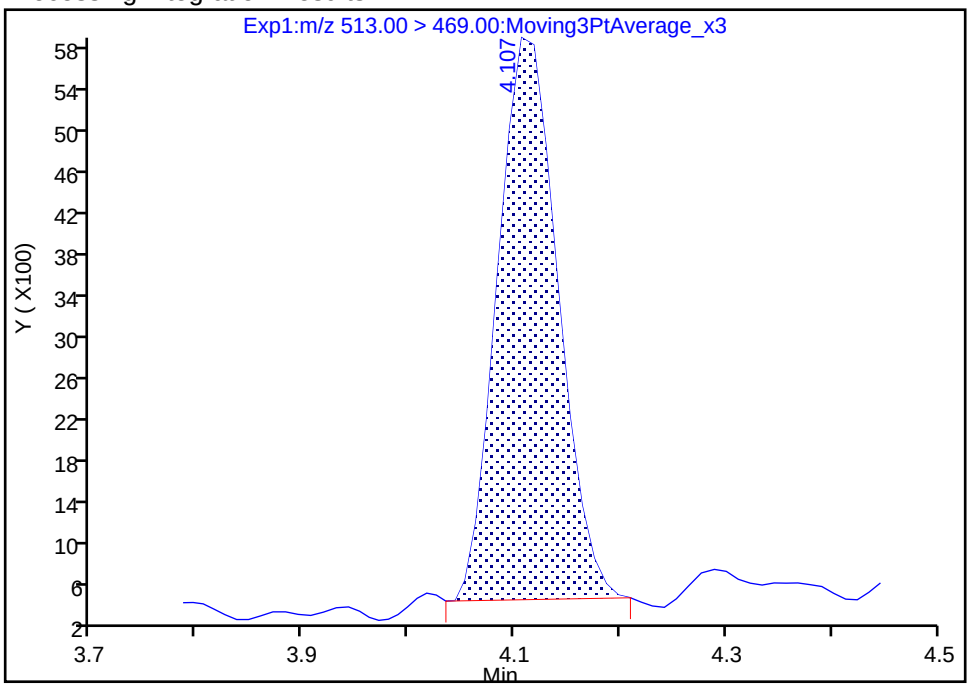
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Lims ID:	460-262897-A-4-A	Lab Sample ID:	200-262897-4		
Client ID:	BCS-09-43 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

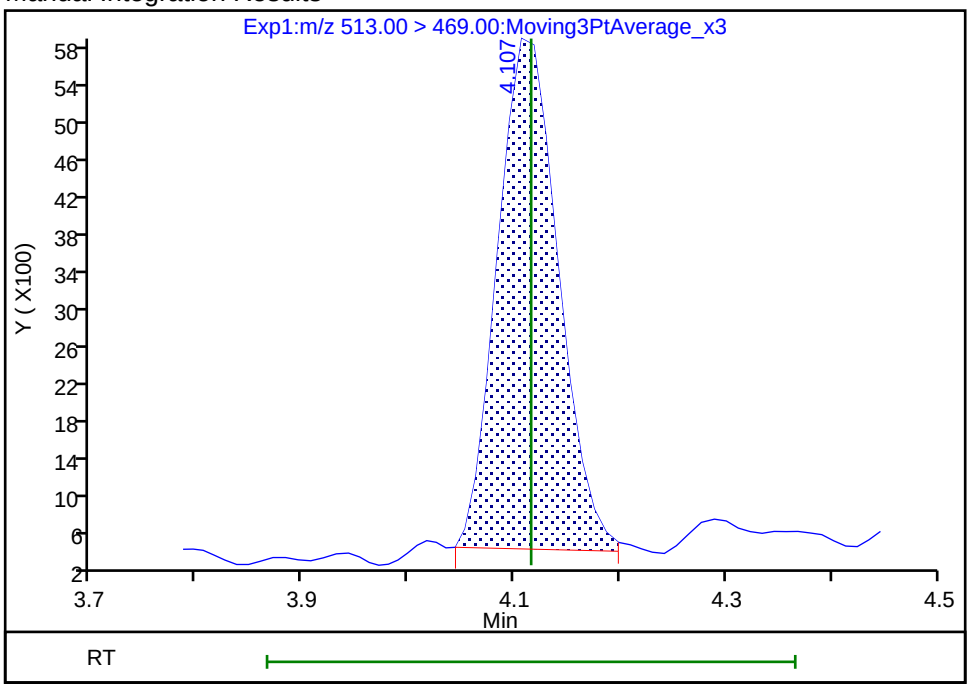
Processing Integration Results

RT: 4.11
Area: 21218
Amount: 0.016800
Amount Units: ng/ml



Manual Integration Results

RT: 4.11
Area: 21492
Amount: 0.017156
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:41:52

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

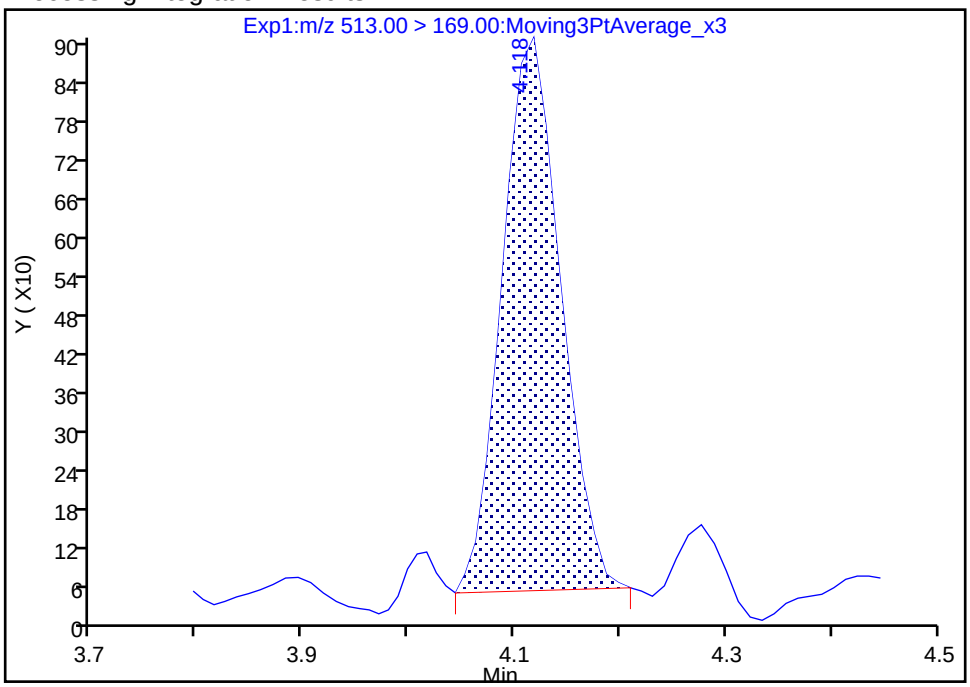
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Lims ID:	460-262897-A-4-A	Lab Sample ID:	200-262897-4		
Client ID:	BCS-09-43 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

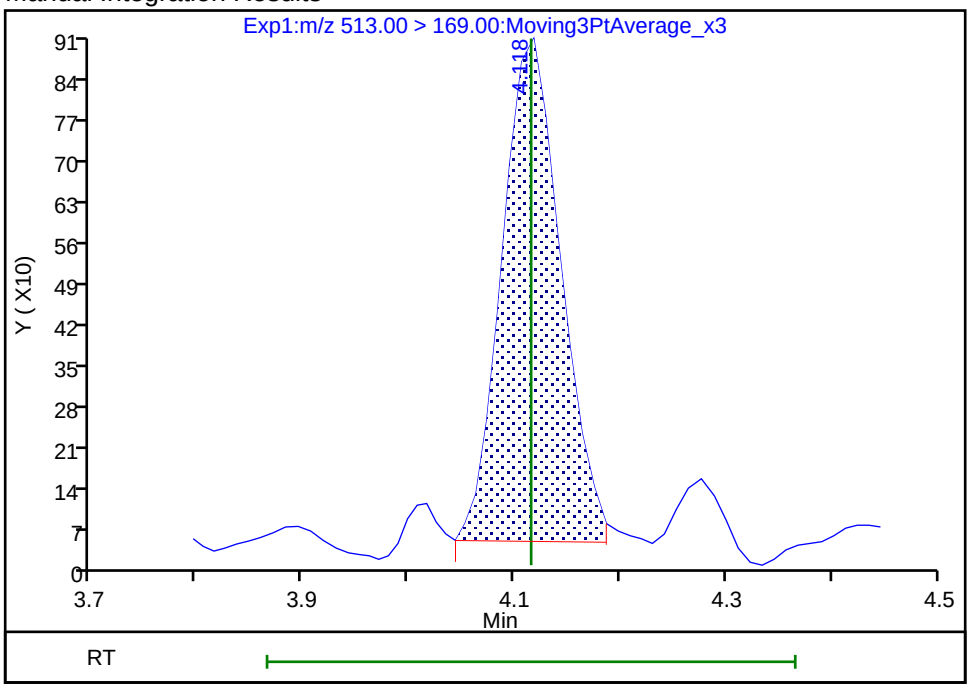
Processing Integration Results

RT: 4.12
Area: 3283
Amount: 0.016800
Amount Units: ng/ml



Manual Integration Results

RT: 4.12
Area: 3312
Amount: 0.017156
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:41:54
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

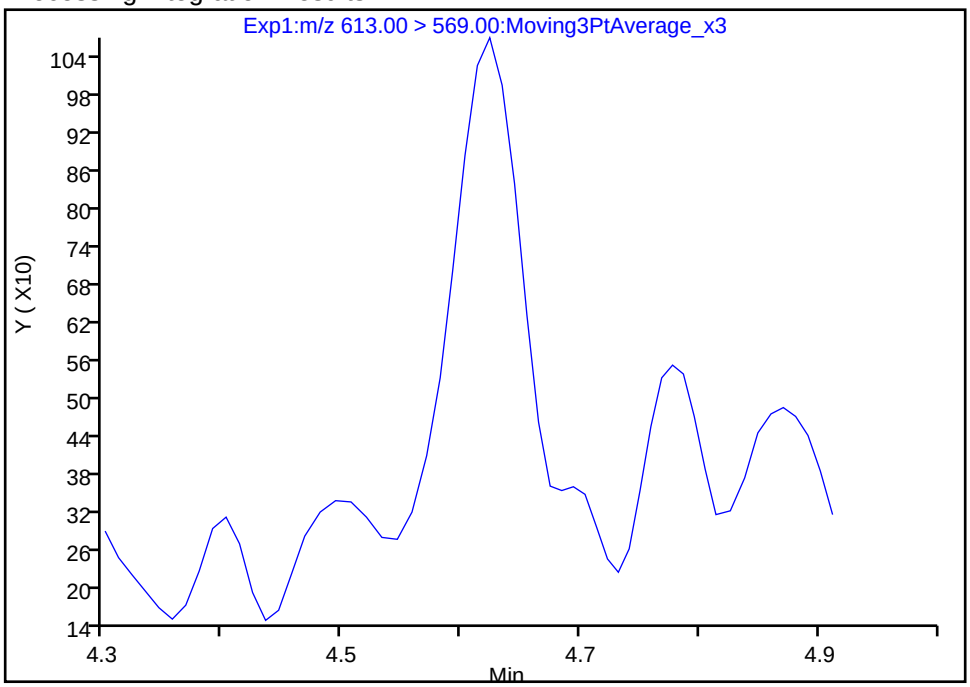
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B12.d				
Injection Date:	04-Aug-2022 15:31:12	Instrument ID:	LC812		
Lims ID:	460-262897-A-4-A	Lab Sample ID:	200-262897-4		
Client ID:	BCS-09-43 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	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

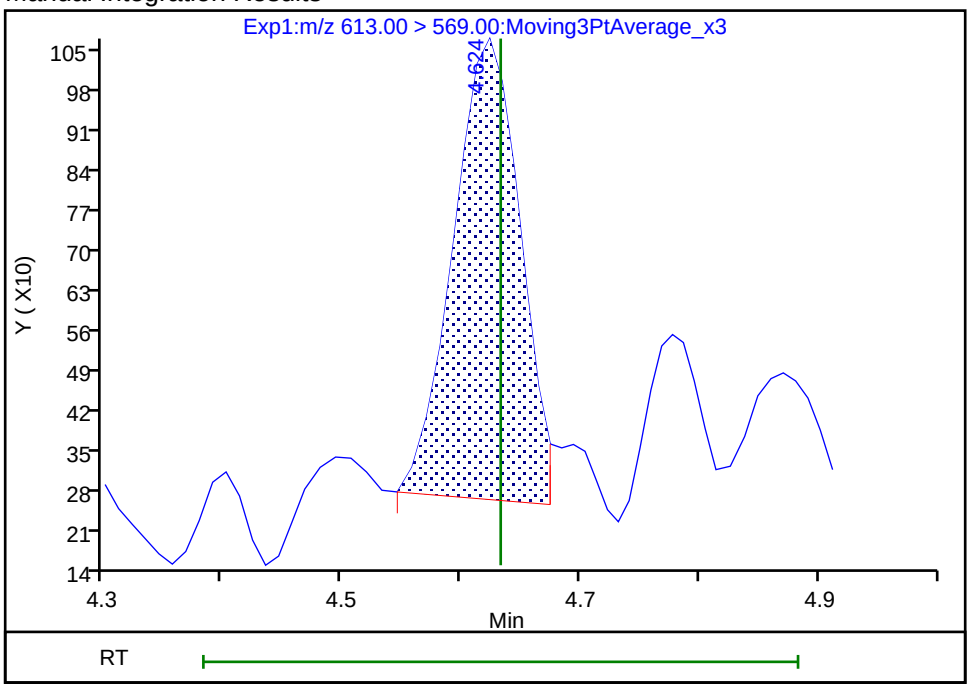
Not Detected
Expected RT: 4.63

Processing Integration Results



Manual Integration Results

RT: 4.62
Area: 3129
Amount: 0.003311
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:42:54
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

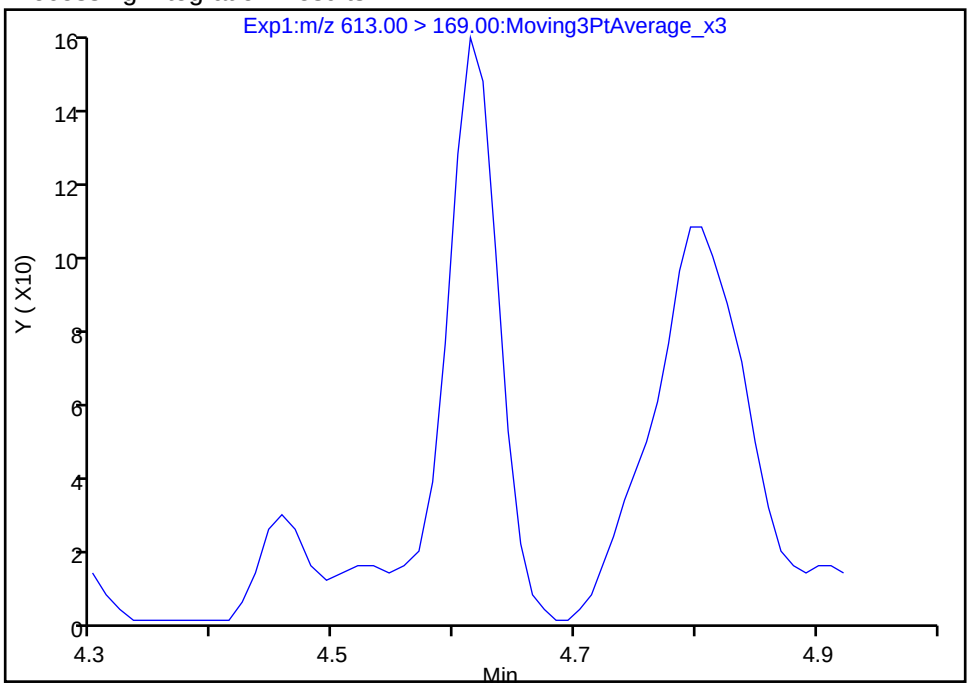
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B12.d				
Injection Date:	04-Aug-2022 15:31:12	Instrument ID:	LC812		
Lims ID:	460-262897-A-4-A	Lab Sample ID:	200-262897-4		
Client ID:	BCS-09-43 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	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

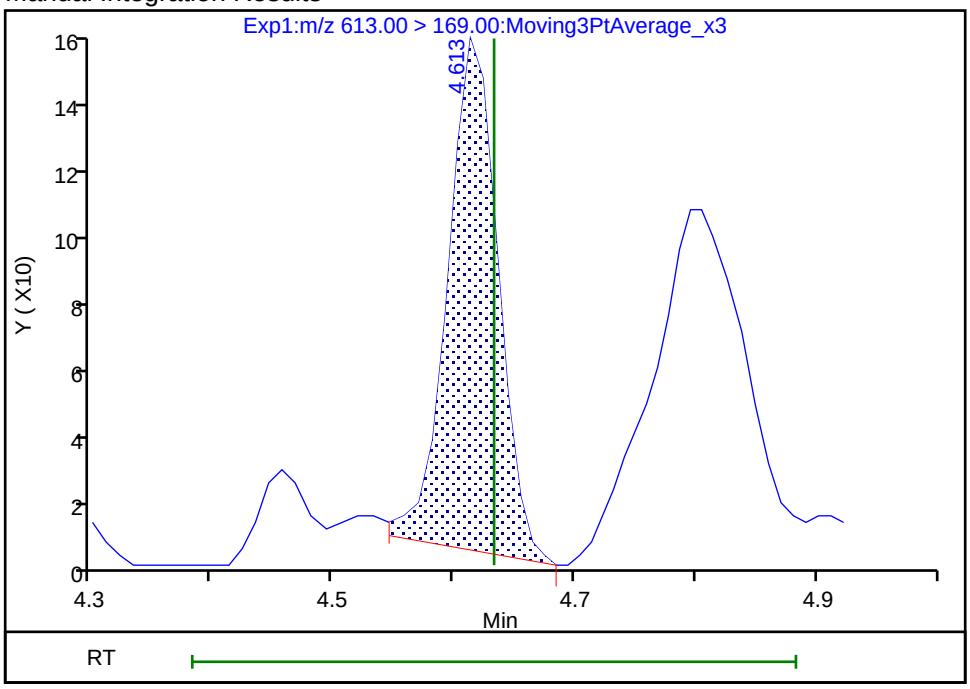
Not Detected
Expected RT: 4.63

Processing Integration Results



Manual Integration Results

RT: 4.61
Area: 451
Amount: 0.003311
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:42:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

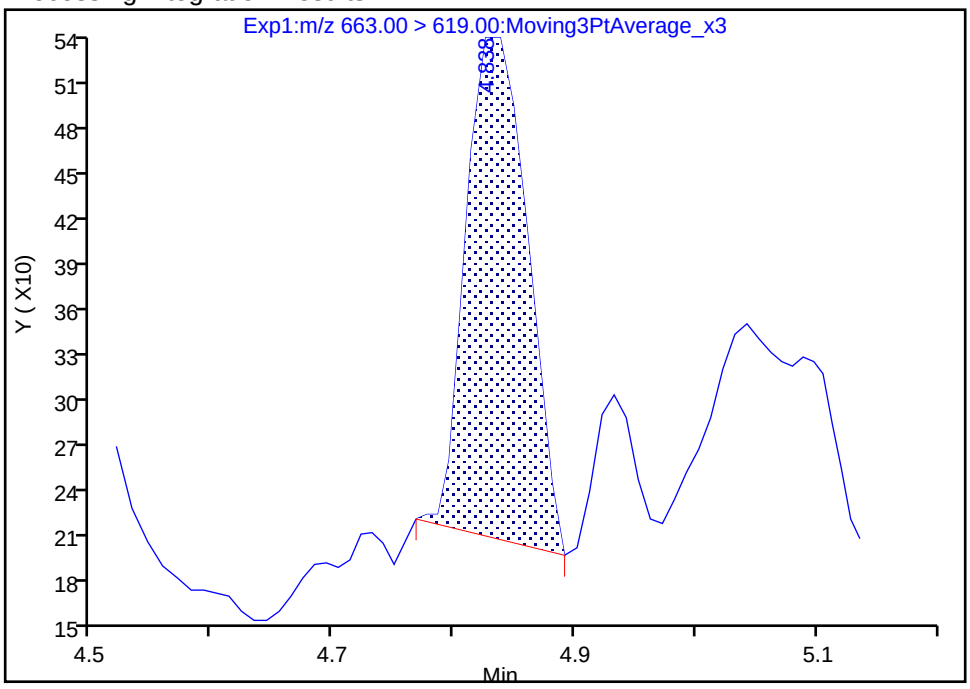
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B12.d				
Injection Date:	04-Aug-2022 15:31:12	Instrument ID:	LC812		
Lims ID:	460-262897-A-4-A	Lab Sample ID:	200-262897-4		
Client ID:	BCS-09-43 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	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

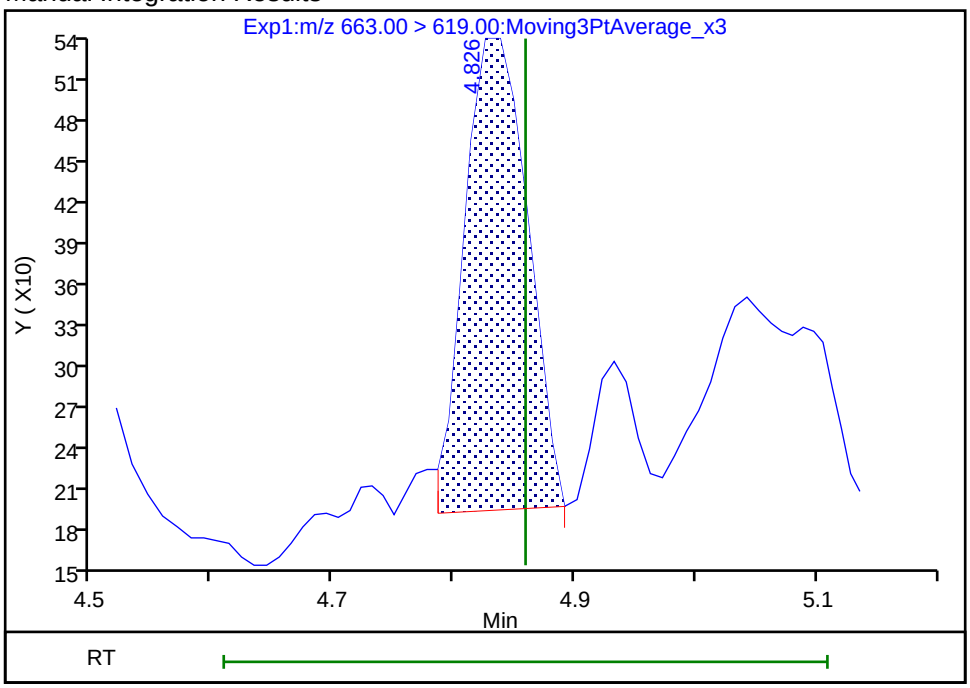
Processing Integration Results

RT: 4.84
Area: 1173
Amount: 0.001432
Amount Units: ng/ml



Manual Integration Results

RT: 4.83
Area: 1248
Amount: 0.001524
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:43:17

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

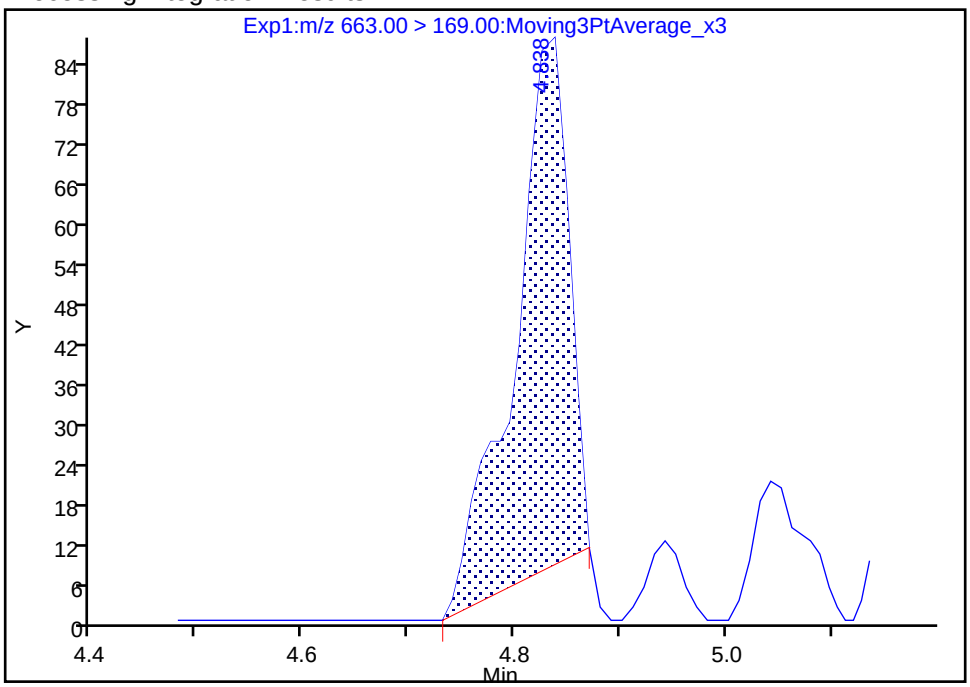
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B12.d				
Injection Date:	04-Aug-2022 15:31:12	Instrument ID:	LC812		
Lims ID:	460-262897-A-4-A	Lab Sample ID:	200-262897-4		
Client ID:	BCS-09-43 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	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

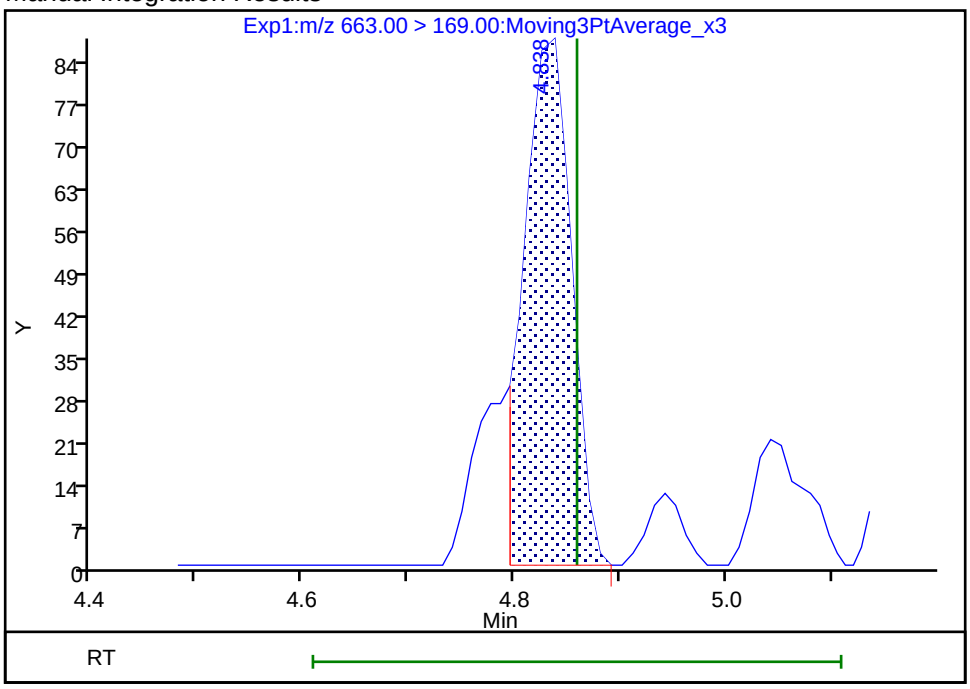
Processing Integration Results

RT: 4.84
Area: 285
Amount: 0.001432
Amount Units: ng/ml



Manual Integration Results

RT: 4.84
Area: 268
Amount: 0.001524
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:43:19

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

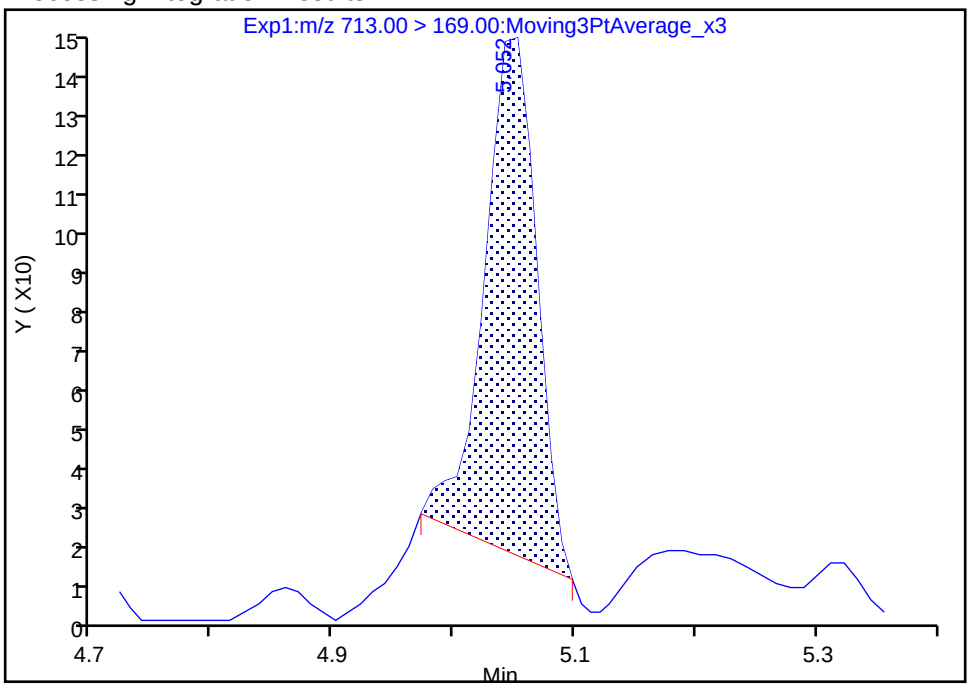
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B12.d				
Injection Date:	04-Aug-2022 15:31:12	Instrument ID:	LC812		
Lims ID:	460-262897-A-4-A	Lab Sample ID:	200-262897-4		
Client ID:	BCS-09-43 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	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

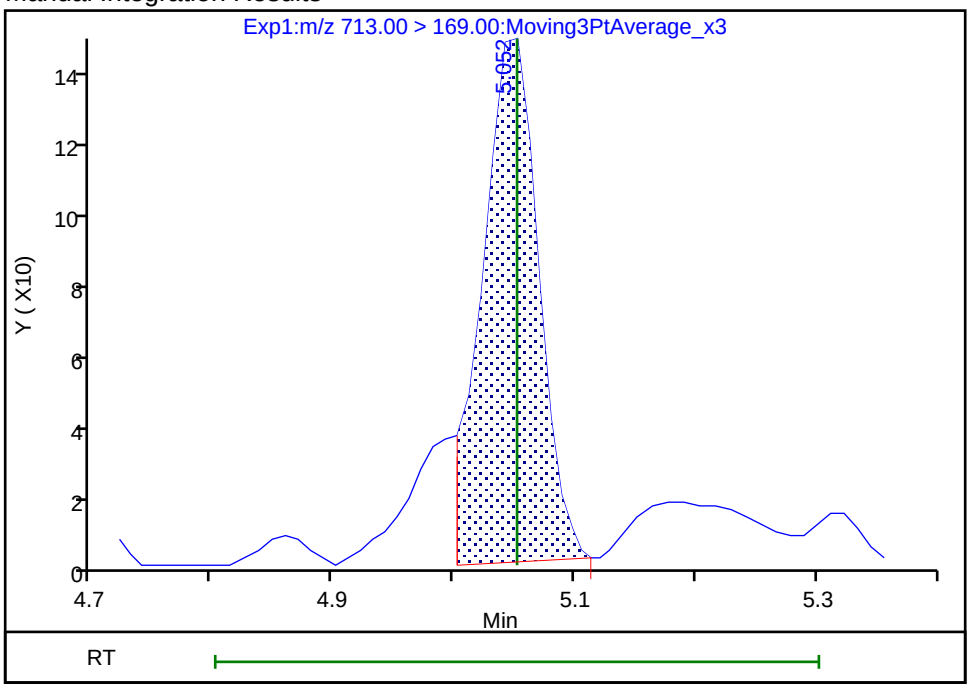
Processing Integration Results

RT: 5.05
Area: 379
Amount: 0.002776
Amount Units: ng/ml



Manual Integration Results

RT: 5.05
Area: 454
Amount: 0.003369
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:43:27

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

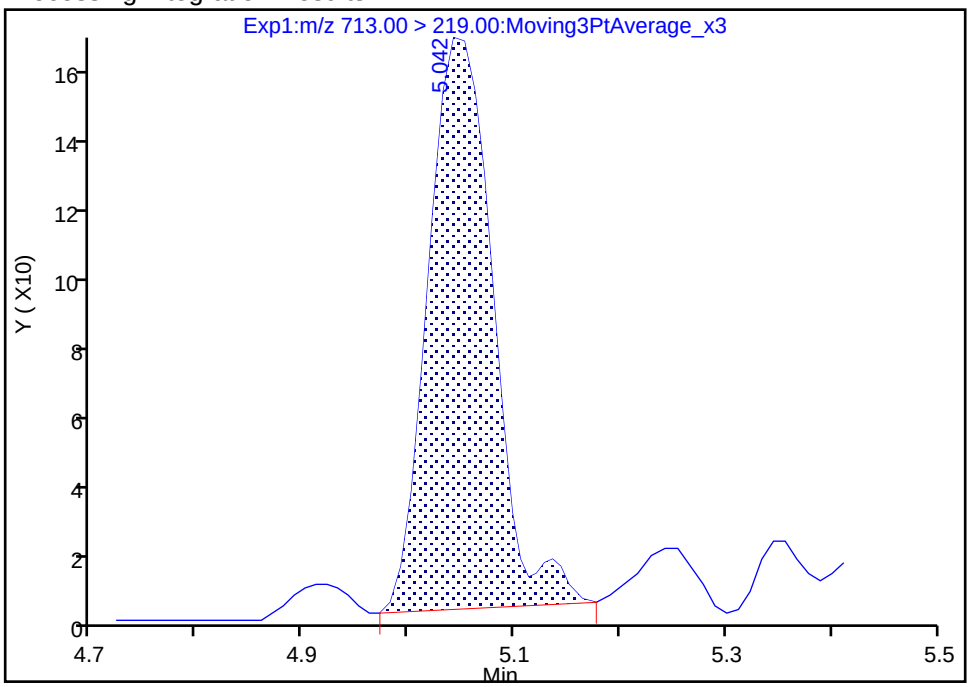
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B12.d				
Injection Date:	04-Aug-2022 15:31:12	Instrument ID:	LC812		
Lims ID:	460-262897-A-4-A	Lab Sample ID:	200-262897-4		
Client ID:	BCS-09-43 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	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

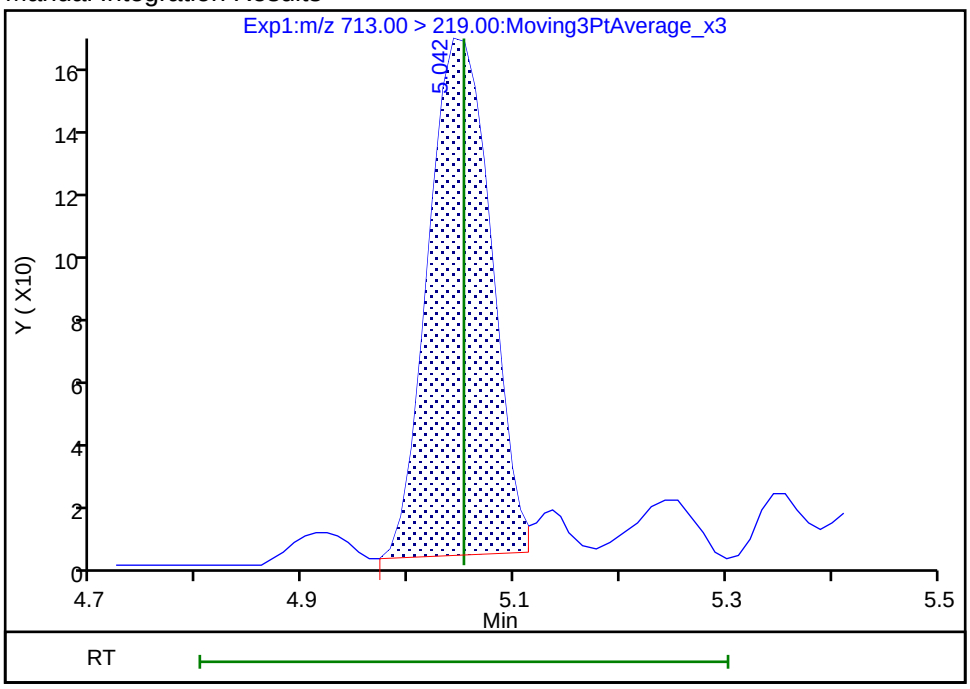
Processing Integration Results

RT: 5.04
Area: 679
Amount: 0.002776
Amount Units: ng/ml



Manual Integration Results

RT: 5.04
Area: 653
Amount: 0.003369
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:43:29
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

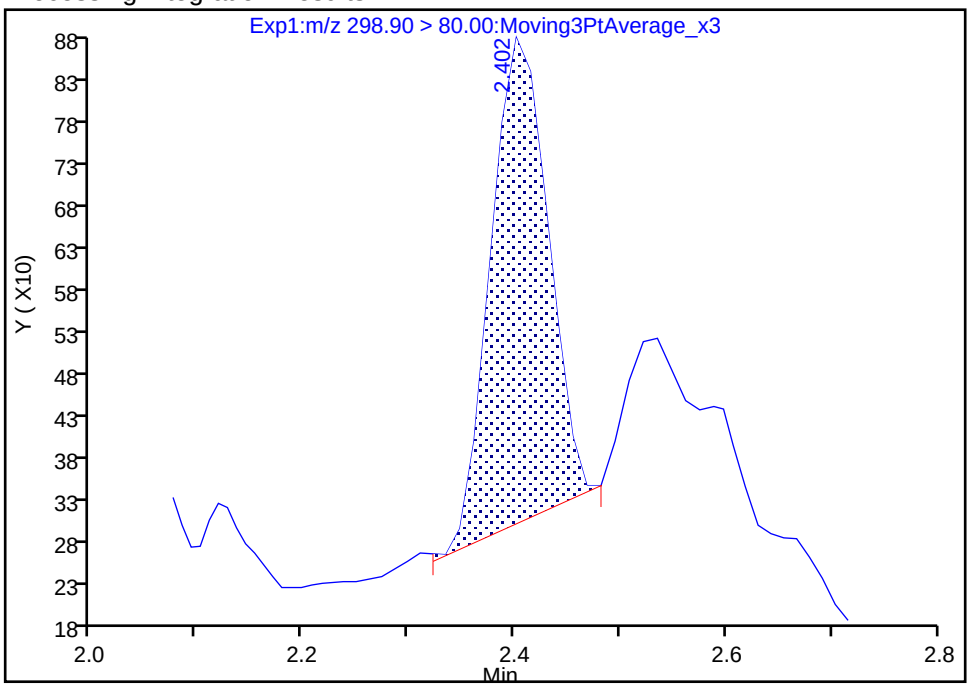
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B12.d				
Injection Date:	04-Aug-2022 15:31:12	Instrument ID:	LC812		
Lims ID:	460-262897-A-4-A	Lab Sample ID:	200-262897-4		
Client ID:	BCS-09-43 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	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

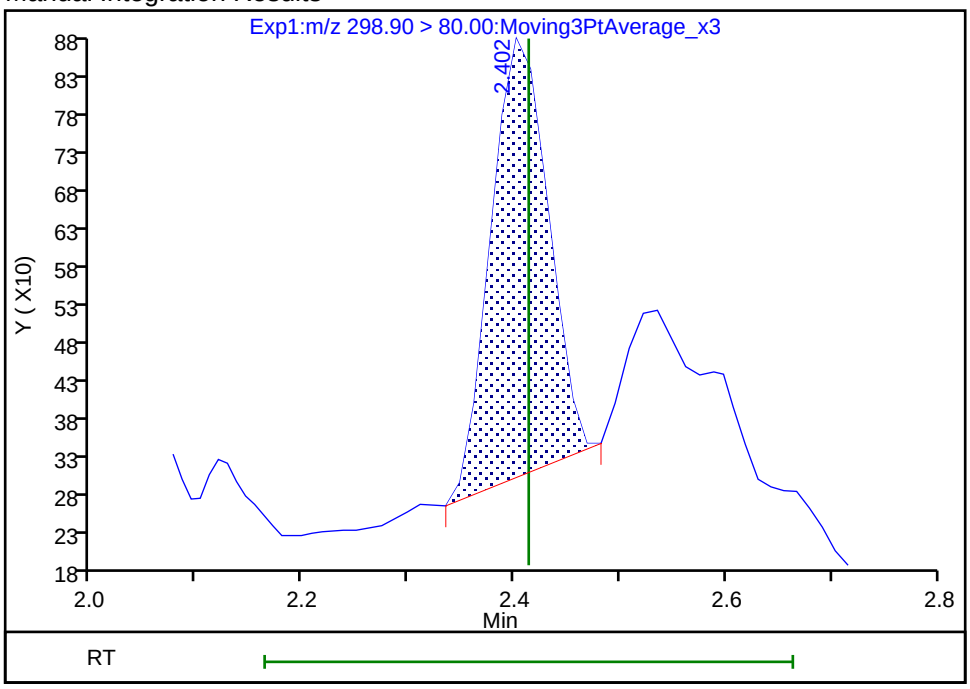
Processing Integration Results

RT: 2.40
Area: 2174
Amount: 0.001611
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 2165
Amount: 0.001604
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:40:06

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

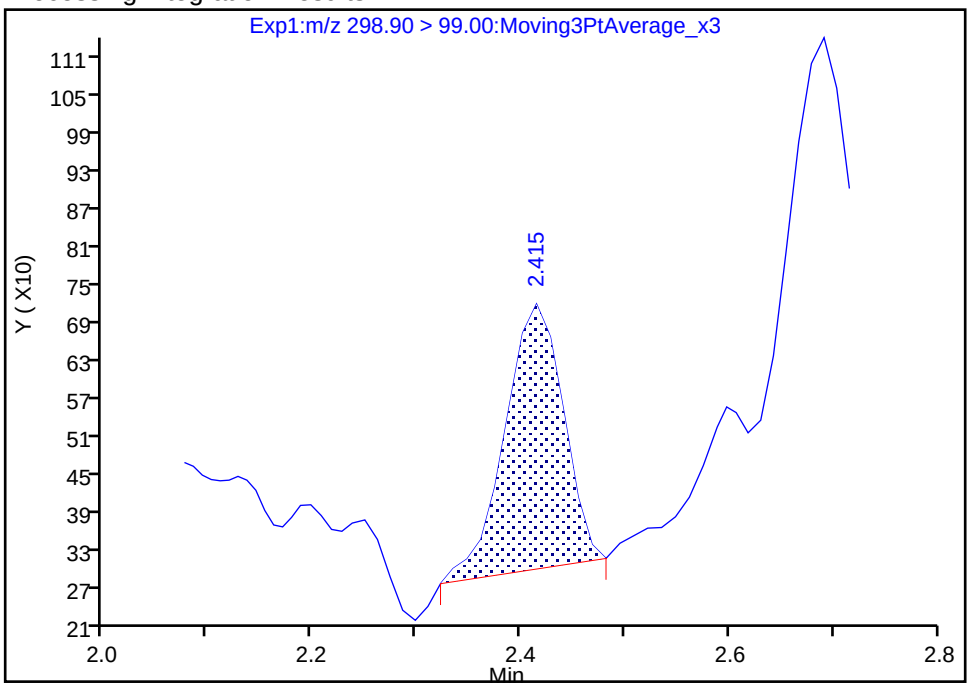
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B12.d				
Injection Date:	04-Aug-2022 15:31:12	Instrument ID:	LC812		
Lims ID:	460-262897-A-4-A	Lab Sample ID:	200-262897-4		
Client ID:	BCS-09-43 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	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: 2

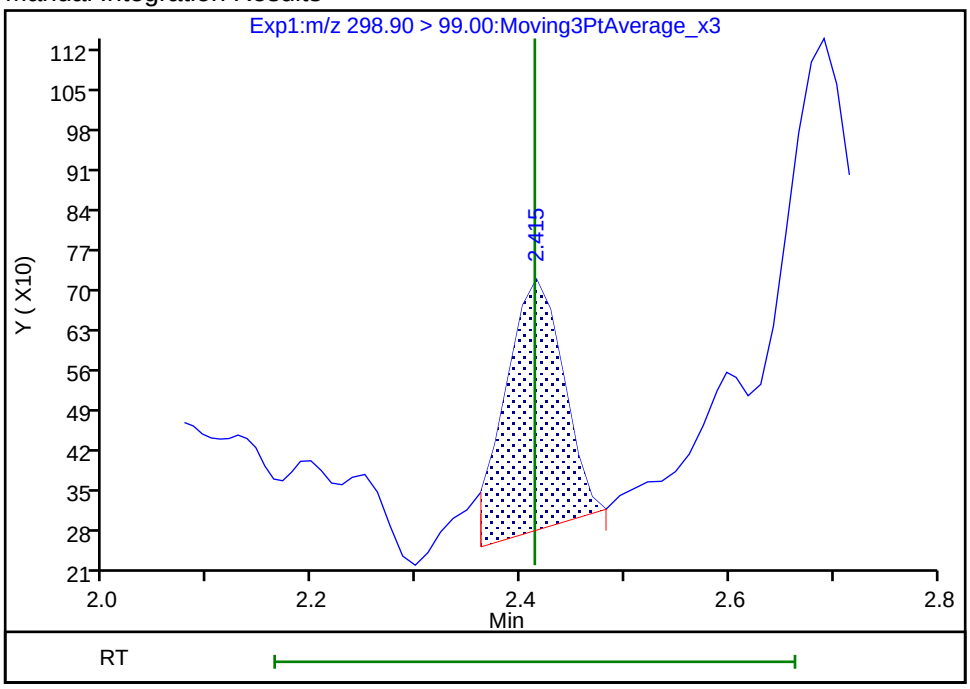
Processing Integration Results

RT: 2.41
Area: 1635
Amount: 0.001611
Amount Units: ng/ml



Manual Integration Results

RT: 2.41
Area: 1697
Amount: 0.001604
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:40:11
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

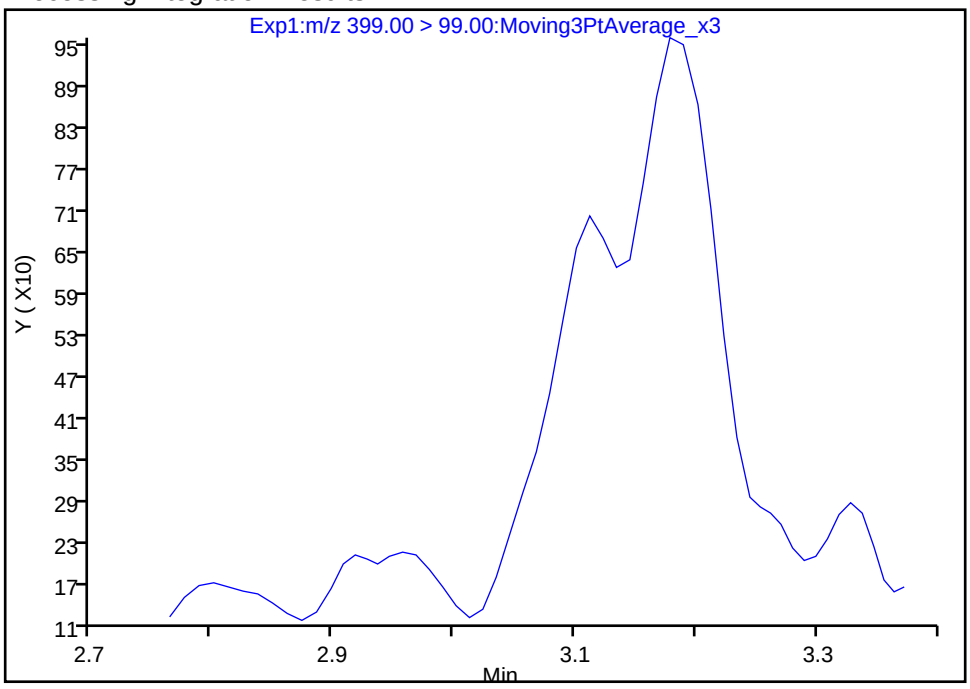
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B12.d				
Injection Date:	04-Aug-2022 15:31:12	Instrument ID:	LC812		
Lims ID:	460-262897-A-4-A	Lab Sample ID:	200-262897-4		
Client ID:	BCS-09-43 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	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

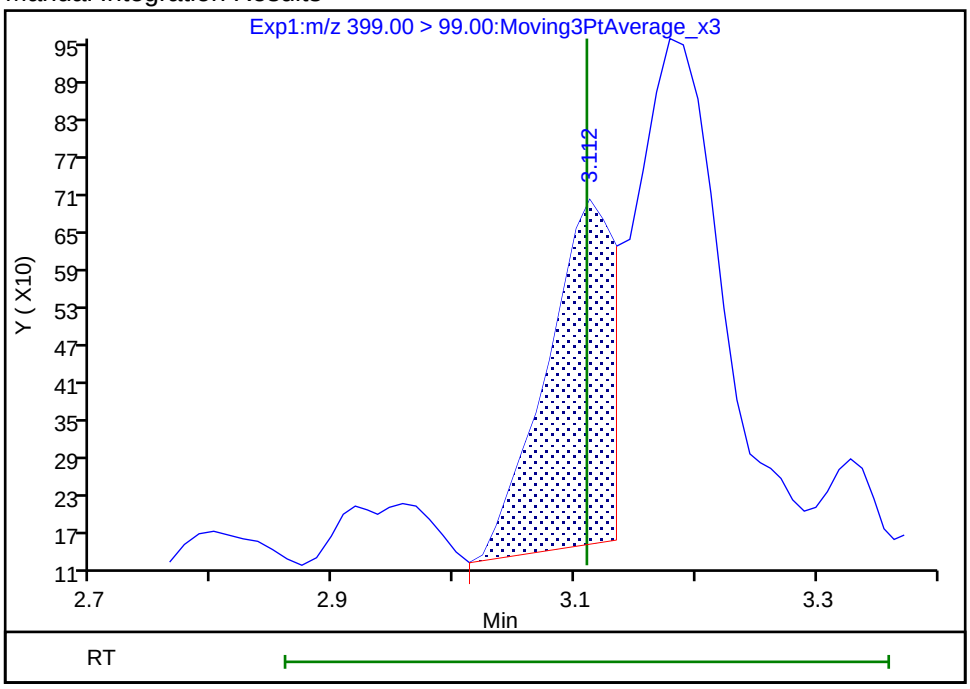
Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results

RT: 3.11
Area: 2034
Amount: 0.007487
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:40:31
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

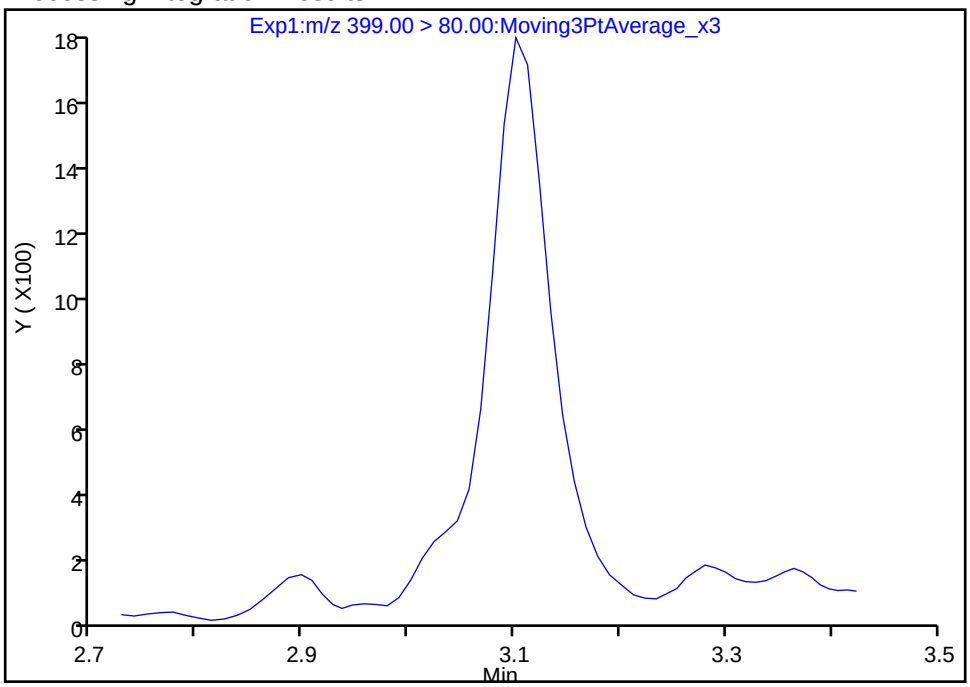
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B12.d				
Injection Date:	04-Aug-2022 15:31:12	Instrument ID:	LC812		
Lims ID:	460-262897-A-4-A	Lab Sample ID:	200-262897-4		
Client ID:	BCS-09-43 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	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

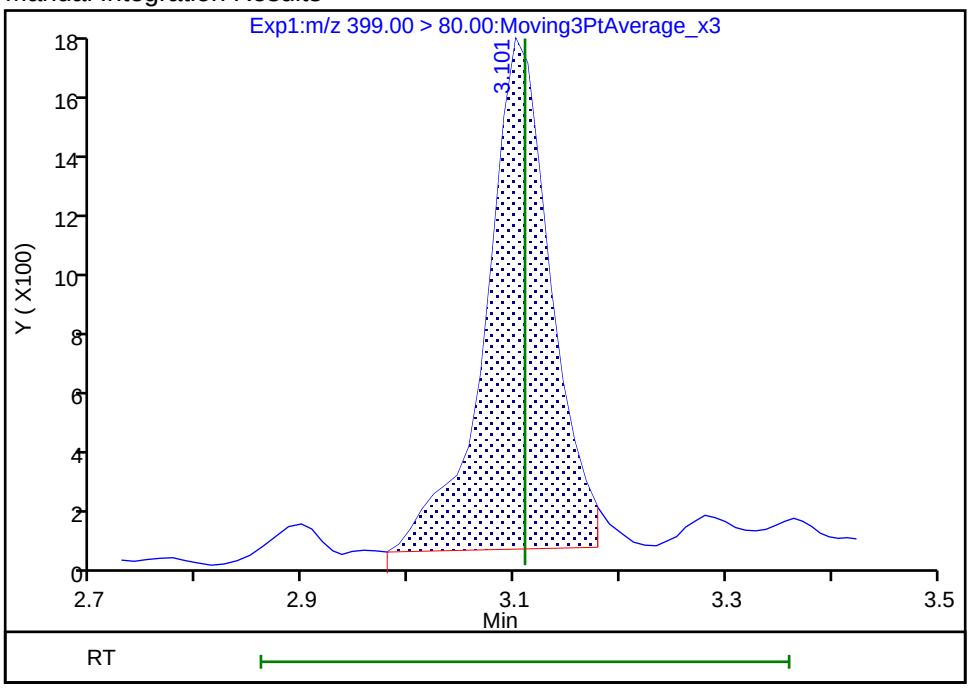
Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results

RT: 3.10
Area: 7293
Amount: 0.007487
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:40:33
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

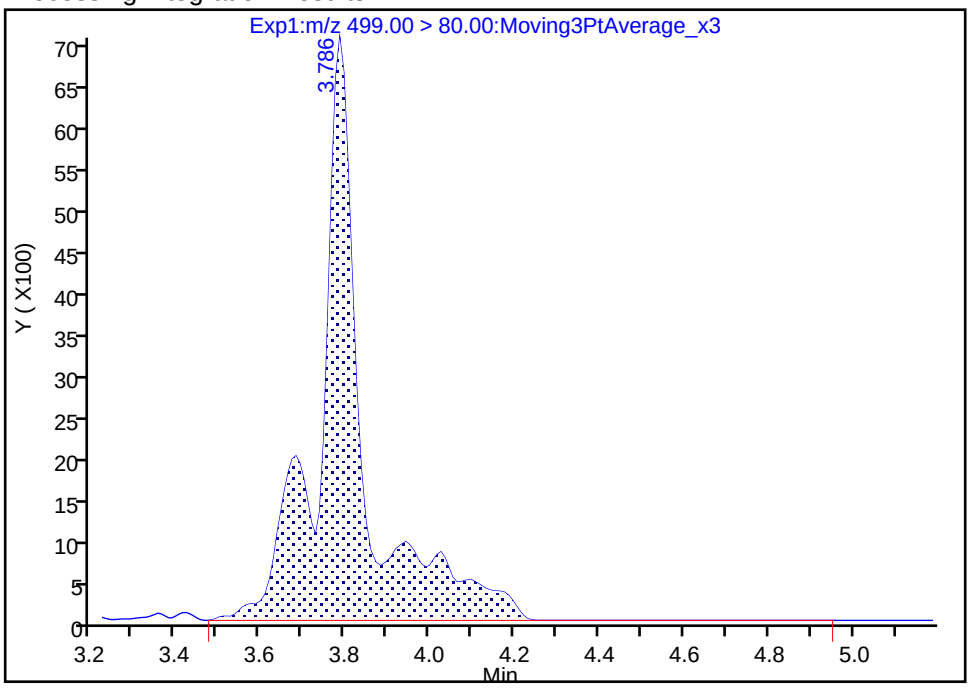
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B12.d				
Injection Date:	04-Aug-2022 15:31:12	Instrument ID:	LC812		
Lims ID:	460-262897-A-4-A	Lab Sample ID:	200-262897-4		
Client ID:	BCS-09-43 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	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

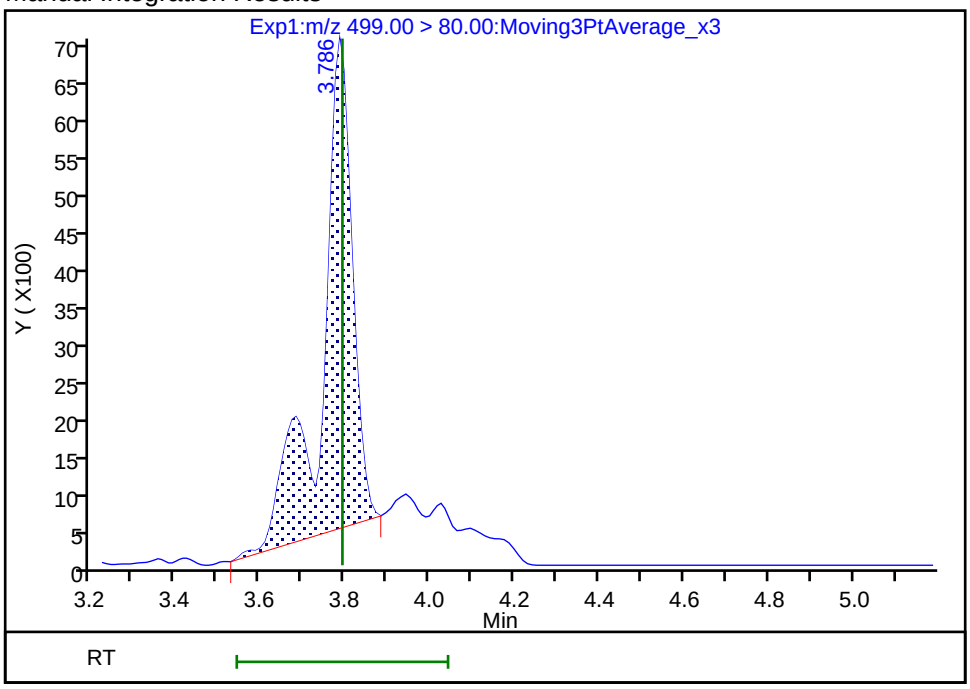
Processing Integration Results

RT: 3.79
Area: 52200
Amount: 0.063963
Amount Units: ng/ml



Manual Integration Results

RT: 3.79
Area: 32991
Amount: 0.033628
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:41:20
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

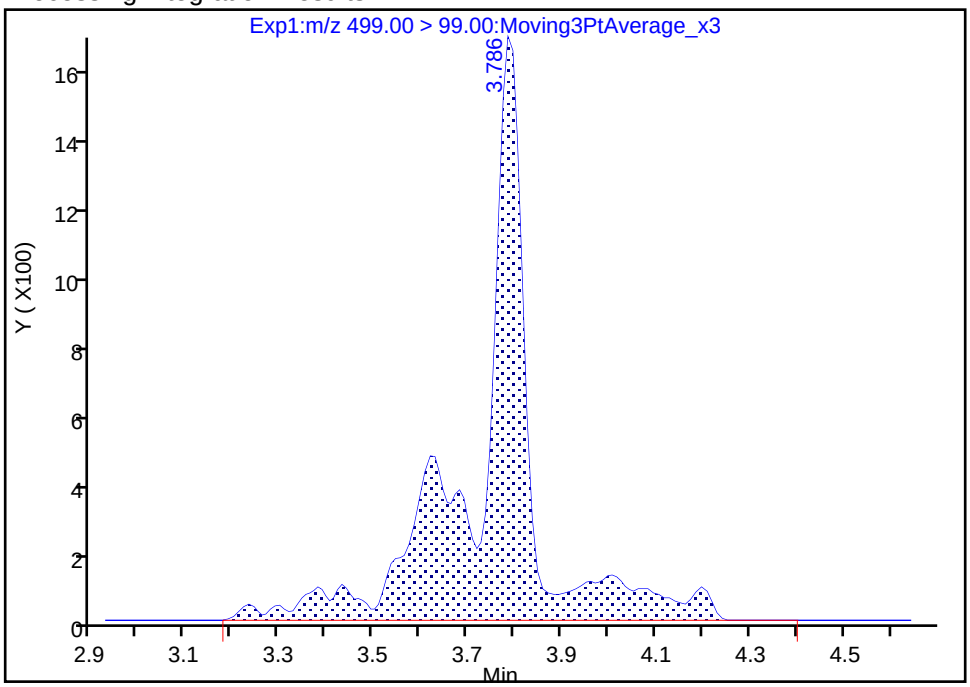
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B12.d				
Injection Date:	04-Aug-2022 15:31:12	Instrument ID:	LC812		
Lims ID:	460-262897-A-4-A	Lab Sample ID:	200-262897-4		
Client ID:	BCS-09-43 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	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

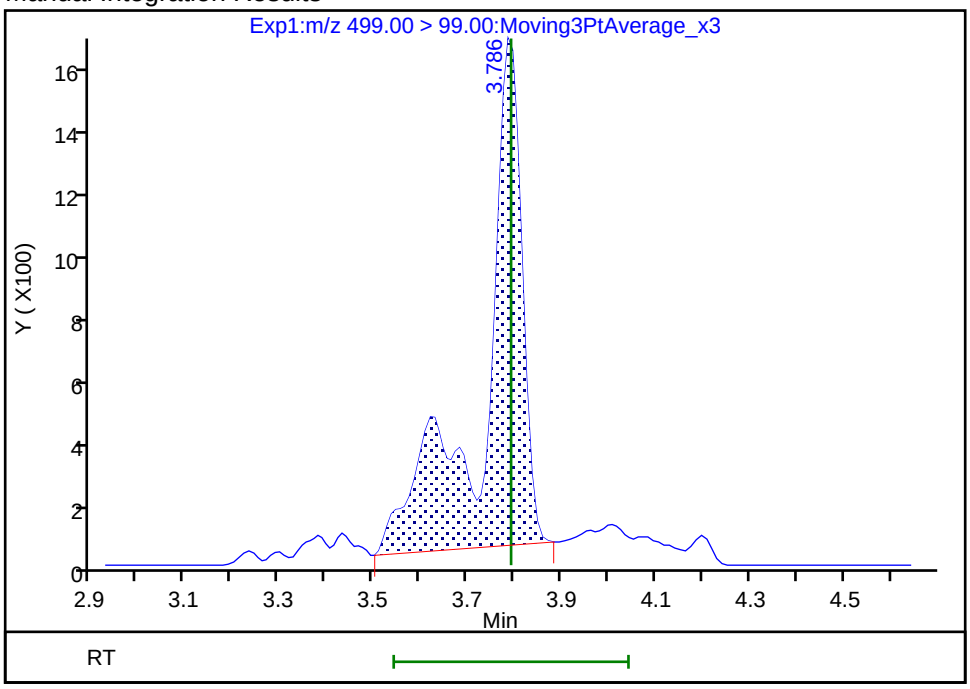
Processing Integration Results

RT: 3.79
Area: 13004
Amount: 0.063963
Amount Units: ng/ml



Manual Integration Results

RT: 3.79
Area: 9127
Amount: 0.033628
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:41:24
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

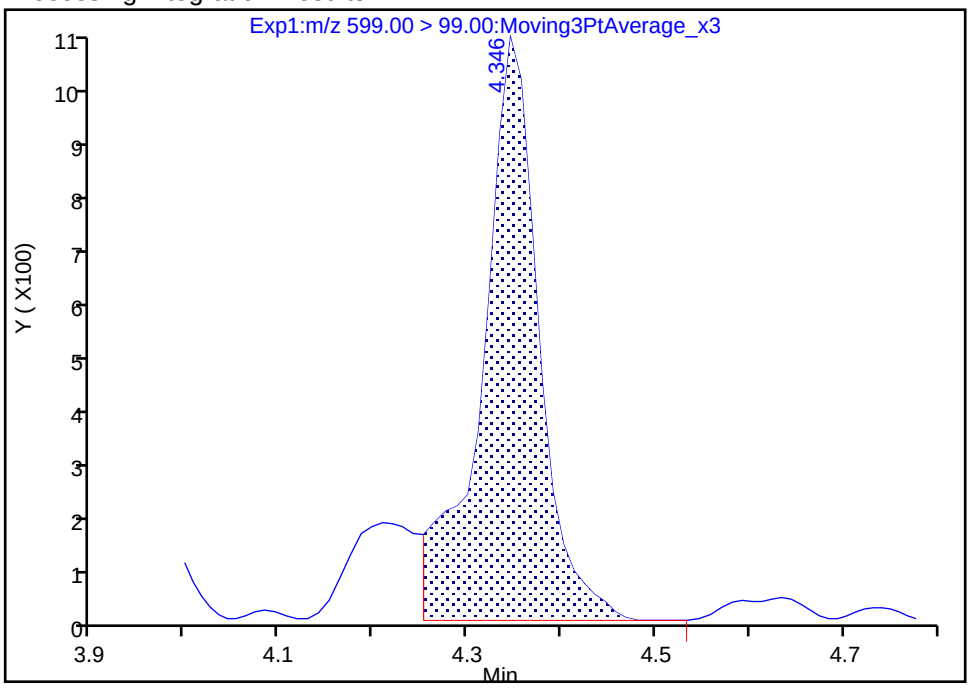
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B12.d				
Injection Date:	04-Aug-2022 15:31:12	Instrument ID:	LC812		
Lims ID:	460-262897-A-4-A	Lab Sample ID:	200-262897-4		
Client ID:	BCS-09-43 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	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

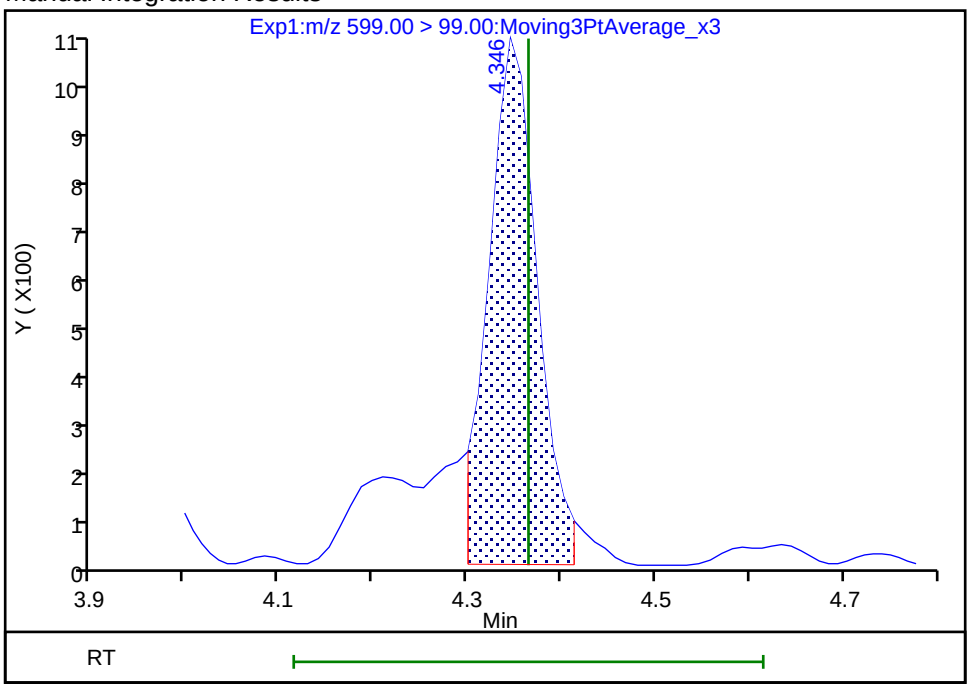
Processing Integration Results

RT: 4.35
Area: 4286
Amount: 0.019031
Amount Units: ng/ml



Manual Integration Results

RT: 4.35
Area: 3610
Amount: 0.018988
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:42:30

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

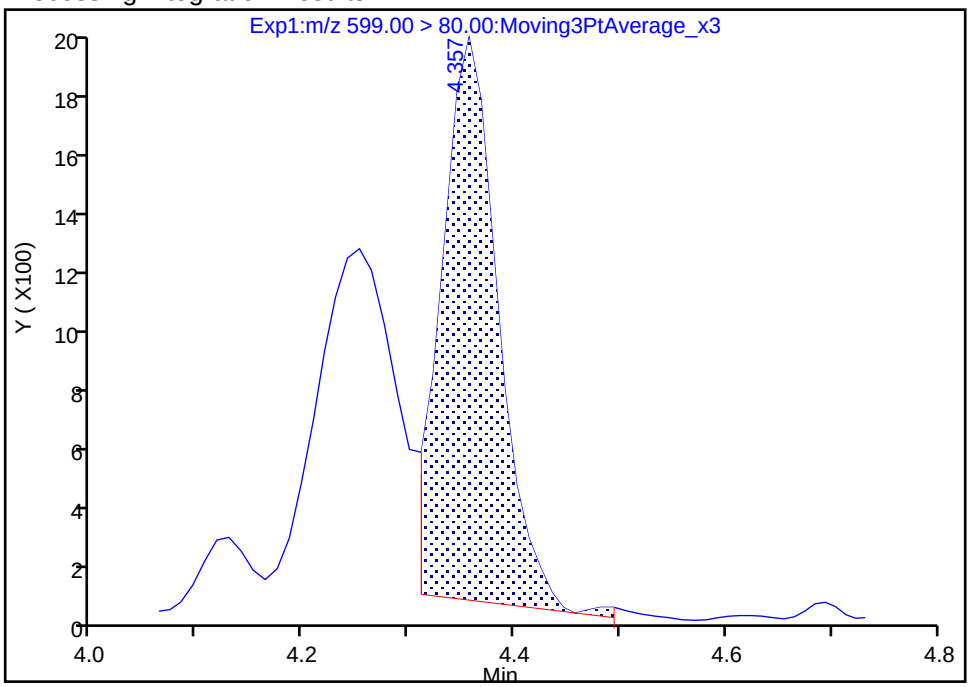
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Injection Date:	04-Aug-2022 15:31:12	Instrument ID:	LC812		
Lims ID:	460-262897-A-4-A	Lab Sample ID:	200-262897-4		
Client ID:	BCS-09-43 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
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

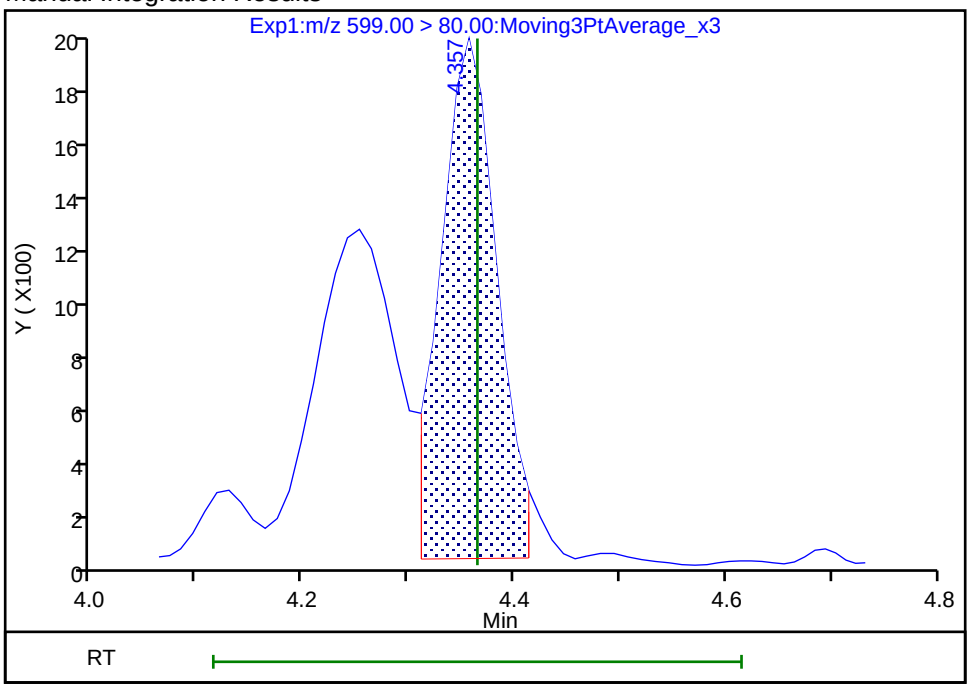
Processing Integration Results

RT: 4.36
Area: 7057
Amount: 0.019031
Amount Units: ng/ml



Manual Integration Results

RT: 4.36
Area: 7041
Amount: 0.018988
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:28:36

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

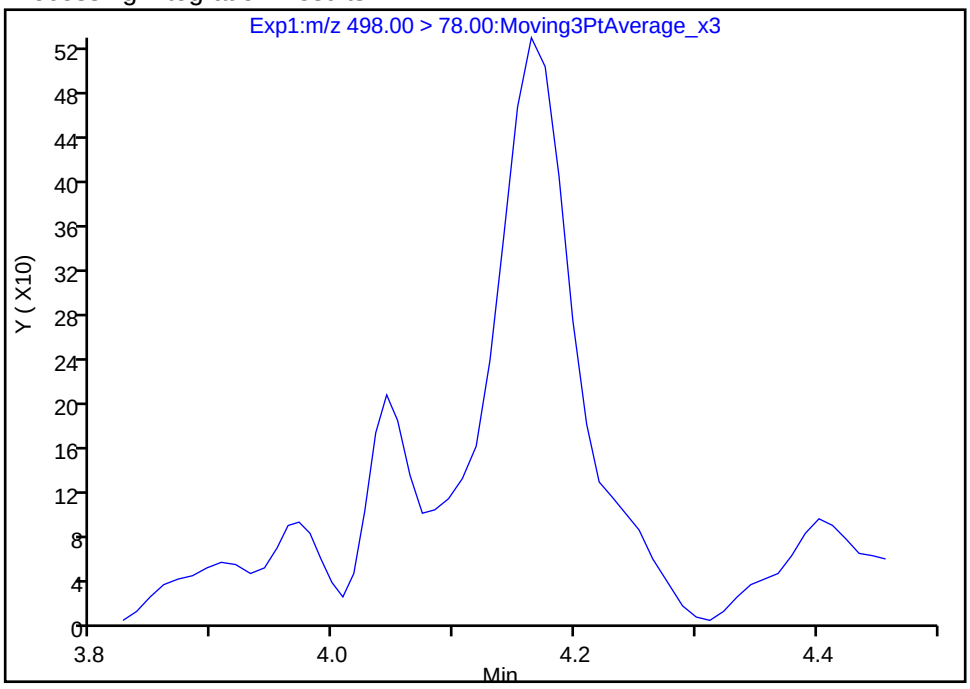
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B12.d				
Injection Date:	04-Aug-2022 15:31:12	Instrument ID:	LC812		
Lims ID:	460-262897-A-4-A	Lab Sample ID:	200-262897-4		
Client ID:	BCS-09-43 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	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

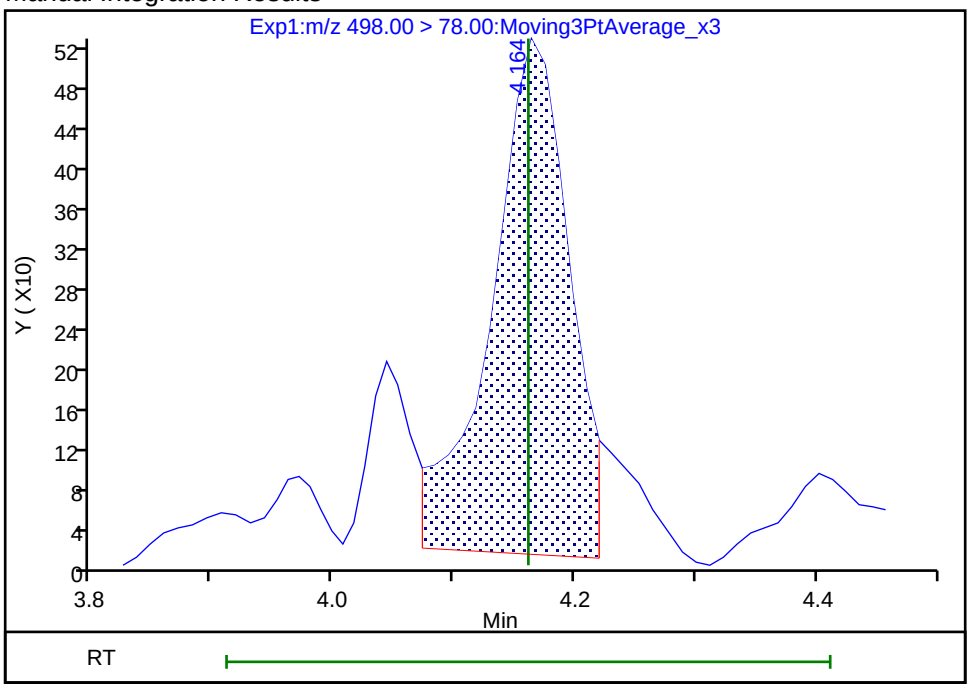
Not Detected
Expected RT: 4.16

Processing Integration Results



Manual Integration Results

RT: 4.16
Area: 2278
Amount: 0.002333
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:42:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

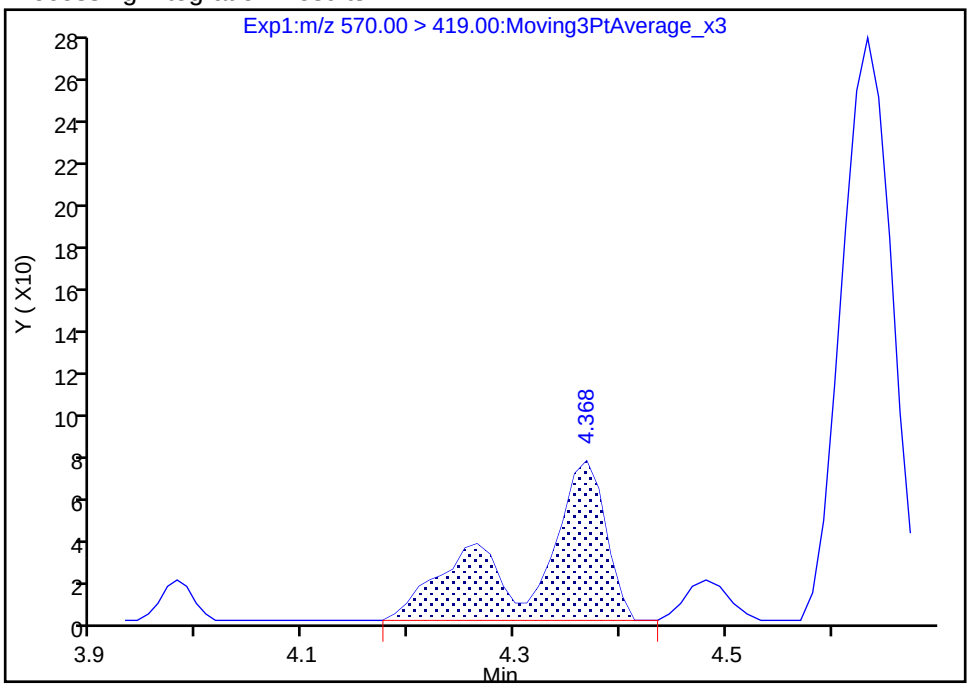
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B12.d				
Injection Date:	04-Aug-2022 15:31:12	Instrument ID:	LC812		
Lims ID:	460-262897-A-4-A	Lab Sample ID:	200-262897-4		
Client ID:	BCS-09-43 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	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

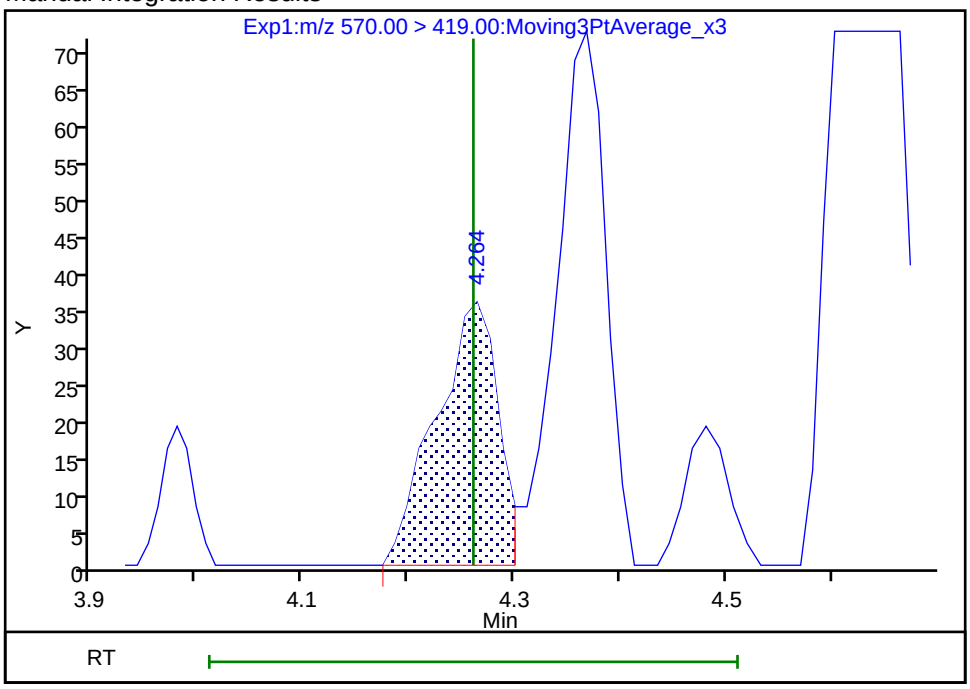
Processing Integration Results

RT: 4.37
Area: 383
Amount: 0.003303
Amount Units: ng/ml



Manual Integration Results

RT: 4.26
Area: 145
Amount: 0.001251
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:42:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

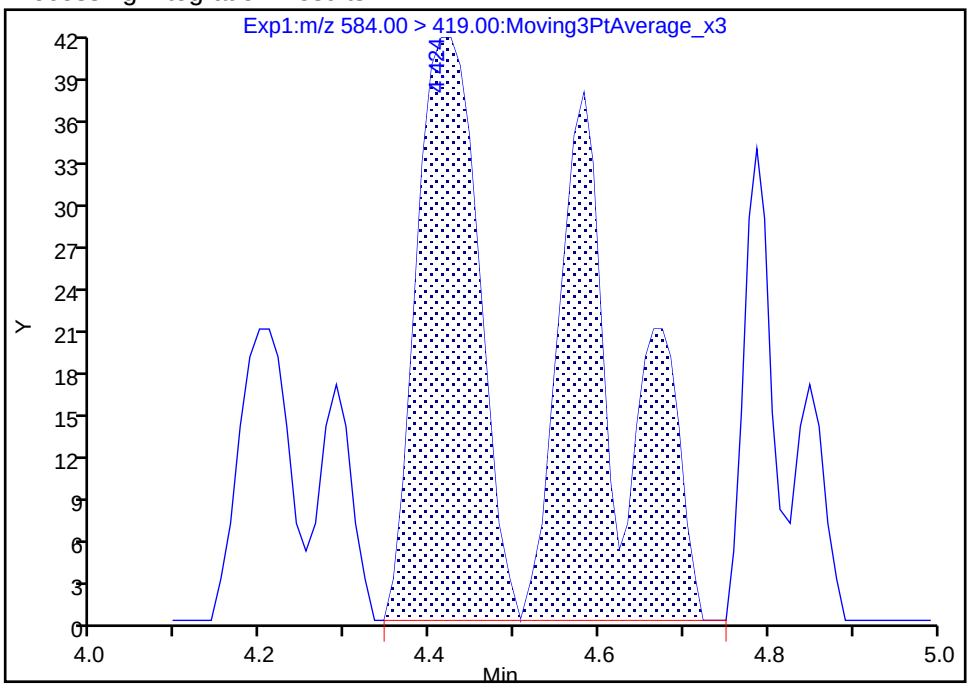
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B12.d				
Injection Date:	04-Aug-2022 15:31:12	Instrument ID:	LC812		
Lims ID:	460-262897-A-4-A	Lab Sample ID:	200-262897-4		
Client ID:	BCS-09-43 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	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

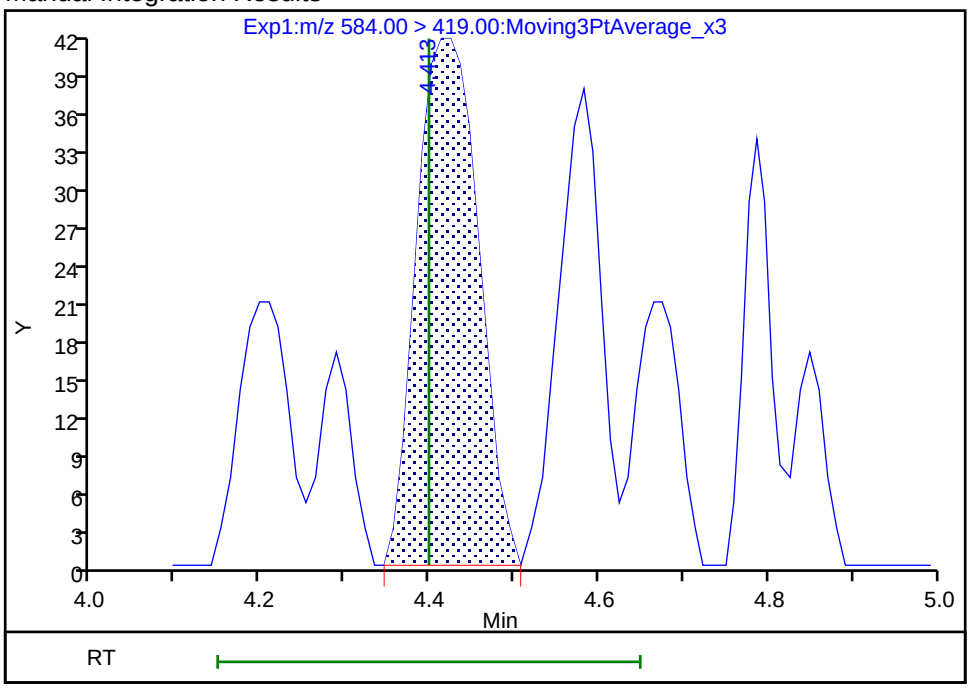
Processing Integration Results

RT: 4.42
Area: 421
Amount: 0.003669
Amount Units: ng/ml



Manual Integration Results

RT: 4.41
Area: 214
Amount: 0.001865
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:28:51

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

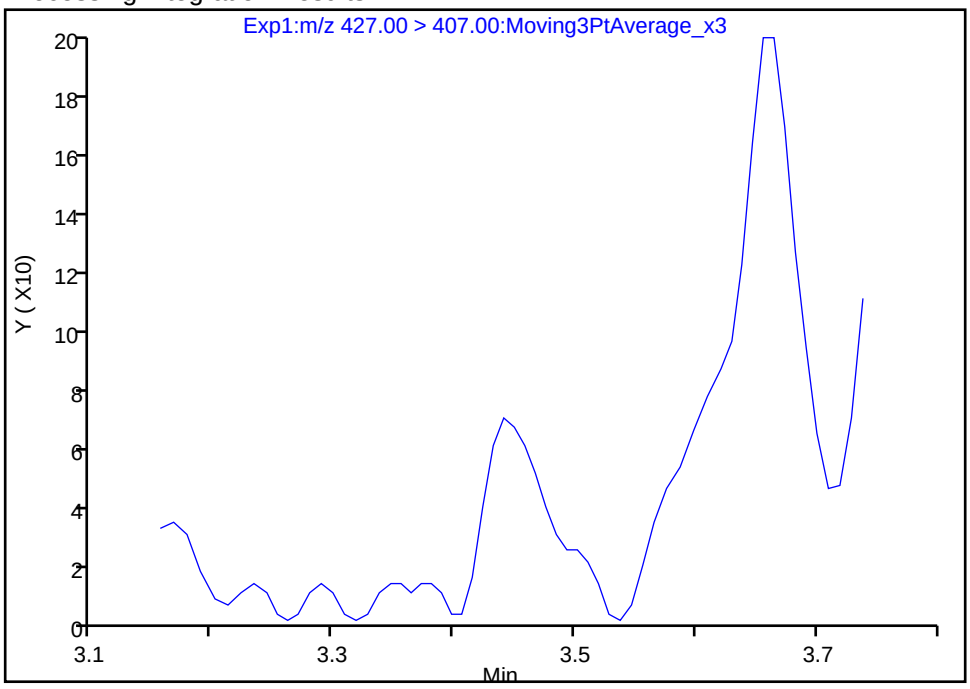
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B12.d				
Injection Date:	04-Aug-2022 15:31:12	Instrument ID:	LC812		
Lims ID:	460-262897-A-4-A	Lab Sample ID:	200-262897-4		
Client ID:	BCS-09-43 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	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

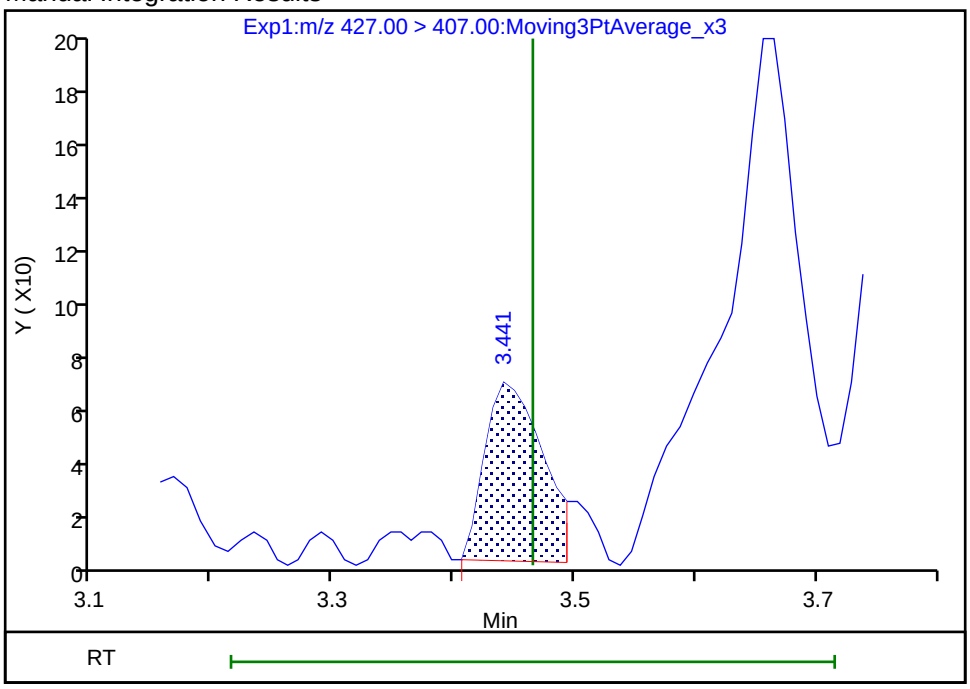
Not Detected
Expected RT: 3.47

Processing Integration Results



Manual Integration Results

RT: 3.44
Area: 211
Amount: -0.015835
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:41:03
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

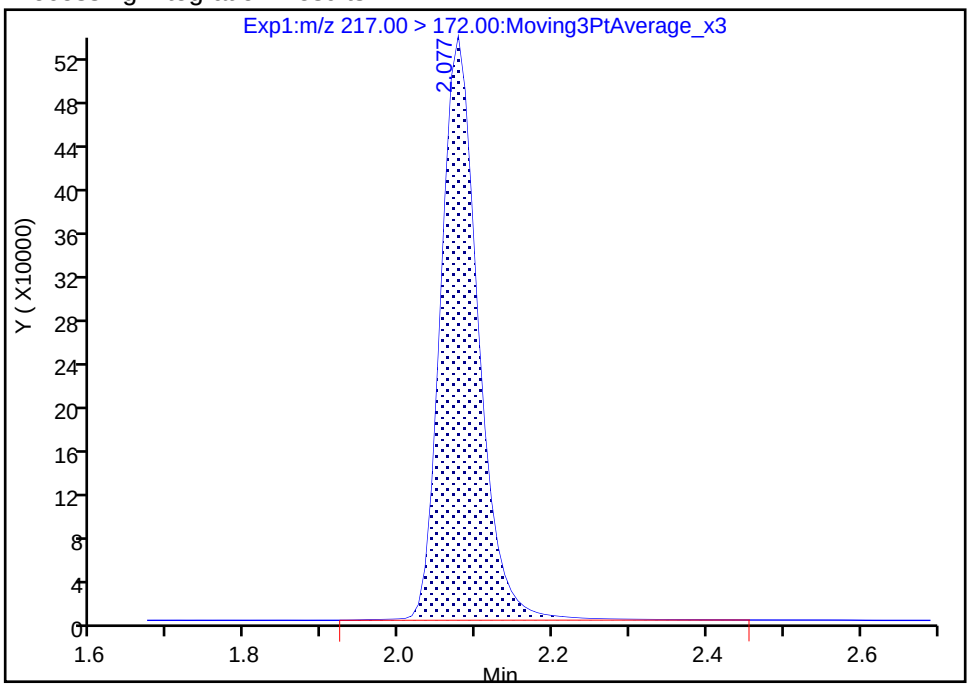
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B12.d				
Injection Date:	04-Aug-2022 15:31:12	Instrument ID:	LC812		
Lims ID:	460-262897-A-4-A	Lab Sample ID:	200-262897-4		
Client ID:	BCS-09-43 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	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

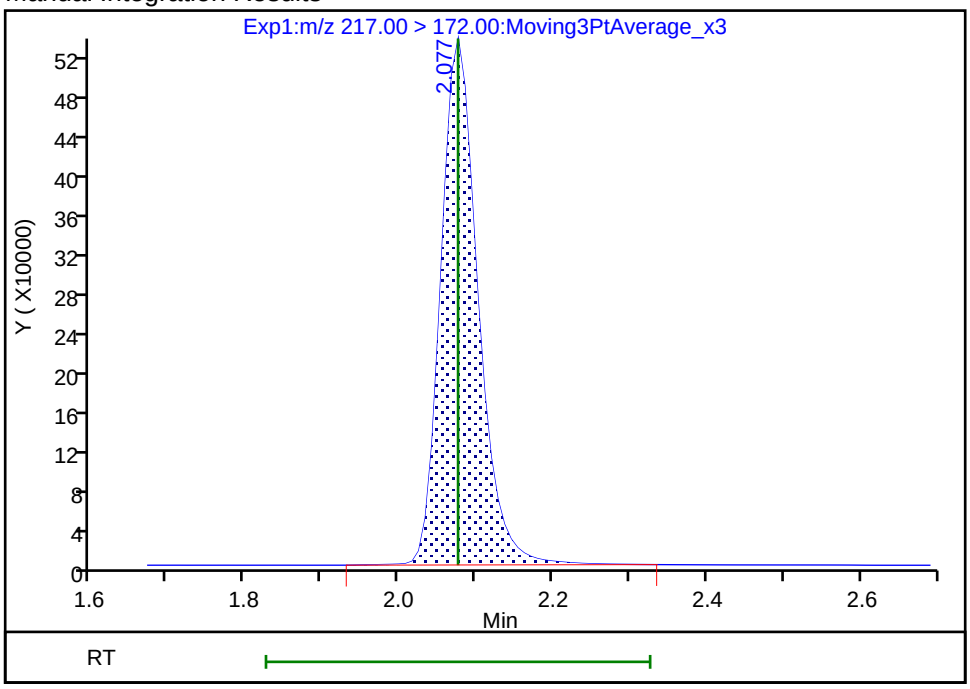
Processing Integration Results

RT: 2.08
Area: 1810706
Amount: 1.136904
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 1804612
Amount: 1.133078
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:39:16

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

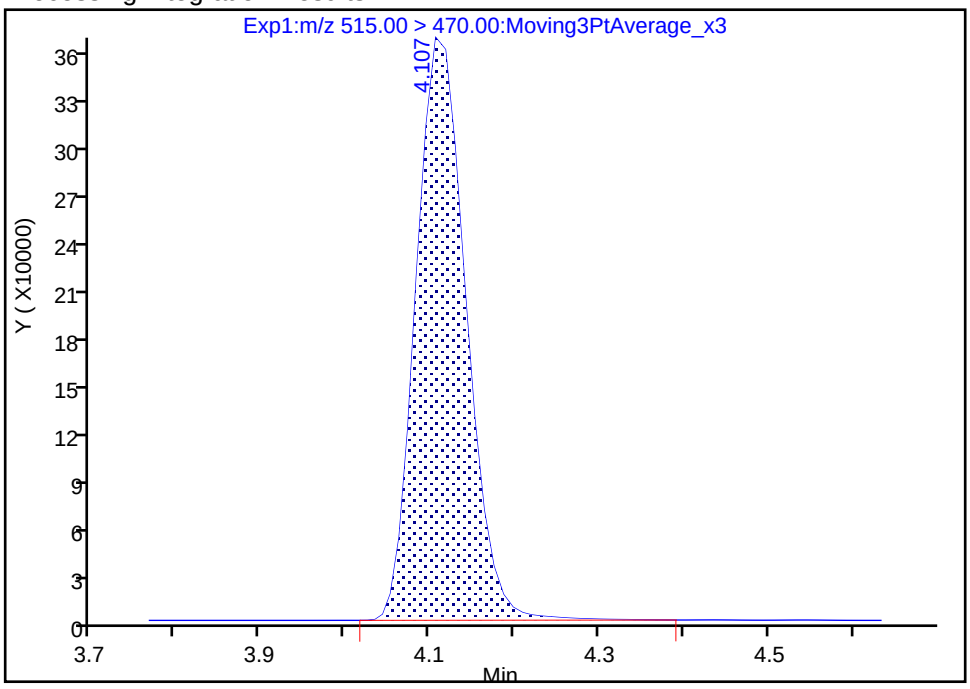
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B12.d				
Injection Date:	04-Aug-2022 15:31:12	Instrument ID:	LC812		
Lims ID:	460-262897-A-4-A	Lab Sample ID:	200-262897-4		
Client ID:	BCS-09-43 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

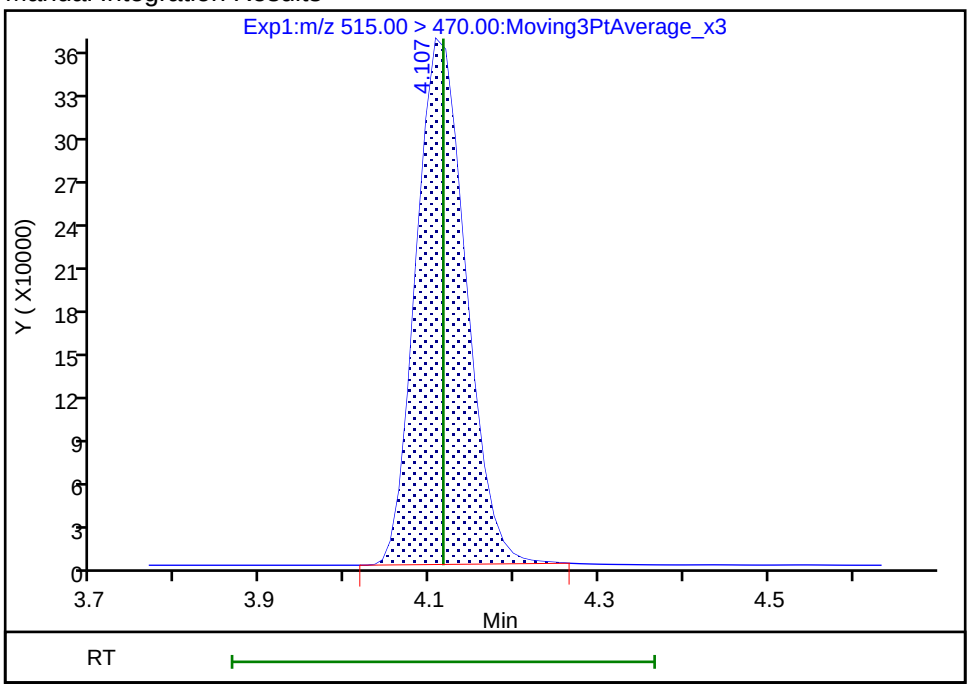
Processing Integration Results

RT: 4.11
Area: 1501113
Amount: 1.142901
Amount Units: ng/ml



Manual Integration Results

RT: 4.11
Area: 1488918
Amount: 1.133616
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:28:13

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

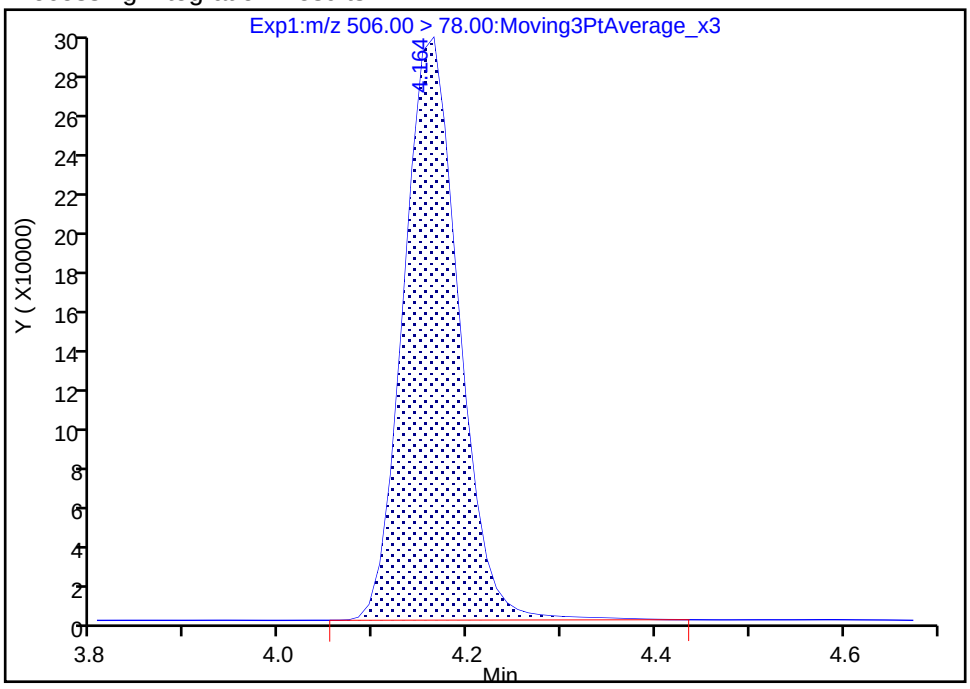
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B12.d				
Injection Date:	04-Aug-2022 15:31:12	Instrument ID:	LC812		
Lims ID:	460-262897-A-4-A	Lab Sample ID:	200-262897-4		
Client ID:	BCS-09-43 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	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

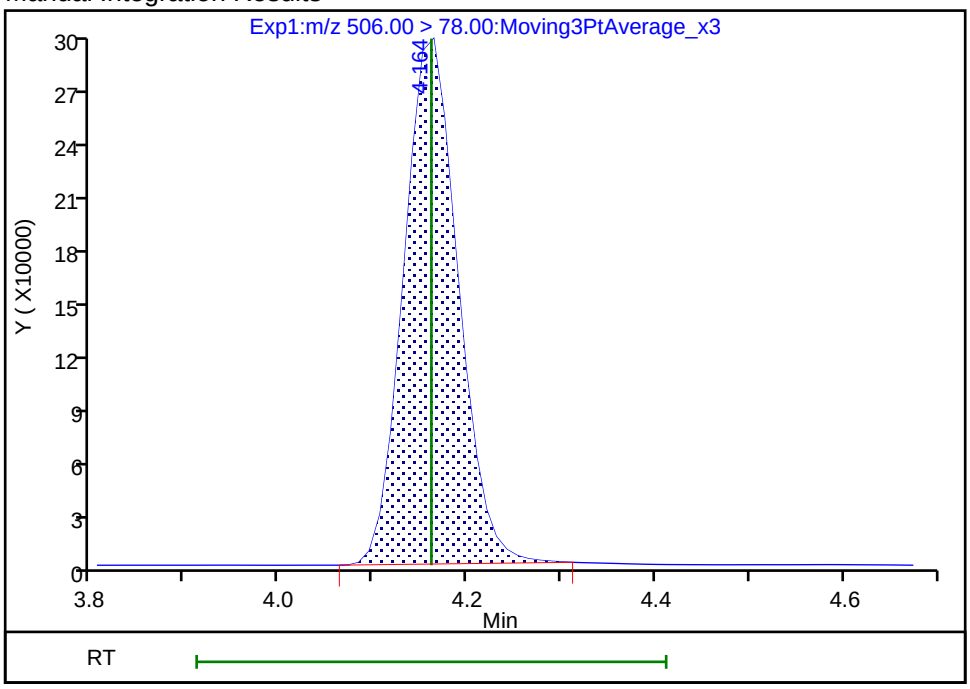
Processing Integration Results

RT: 4.16
Area: 1212271
Amount: 1.054570
Amount Units: ng/ml



Manual Integration Results

RT: 4.16
Area: 1197546
Amount: 1.041761
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:28:21

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

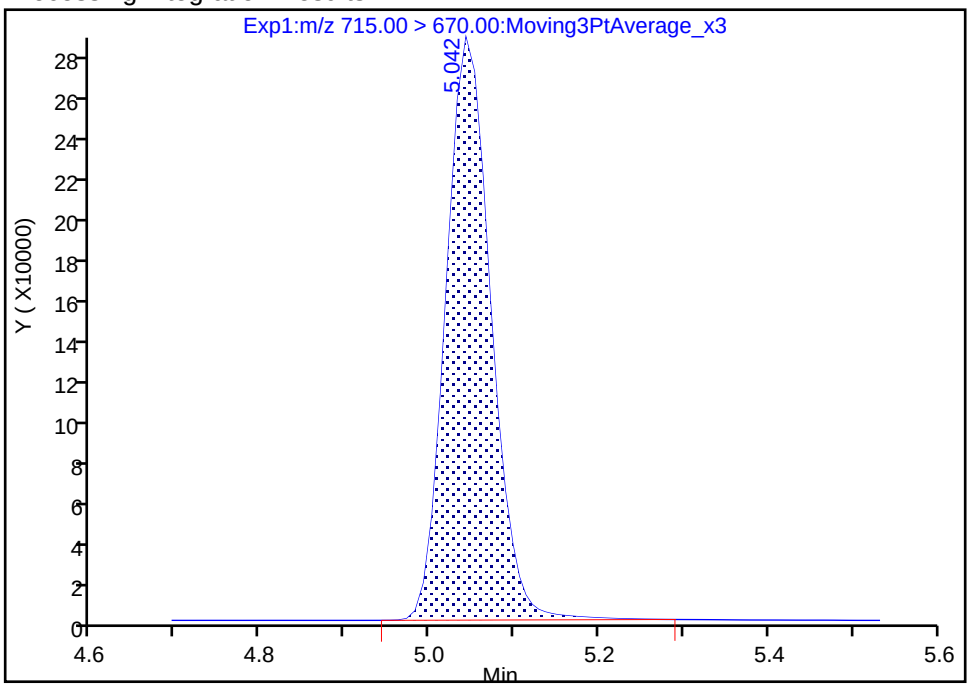
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Injection Date:	04-Aug-2022 15:31:12	Instrument ID:	LC812		
Lims ID:	460-262897-A-4-A	Lab Sample ID:	200-262897-4		
Client ID:	BCS-09-43 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

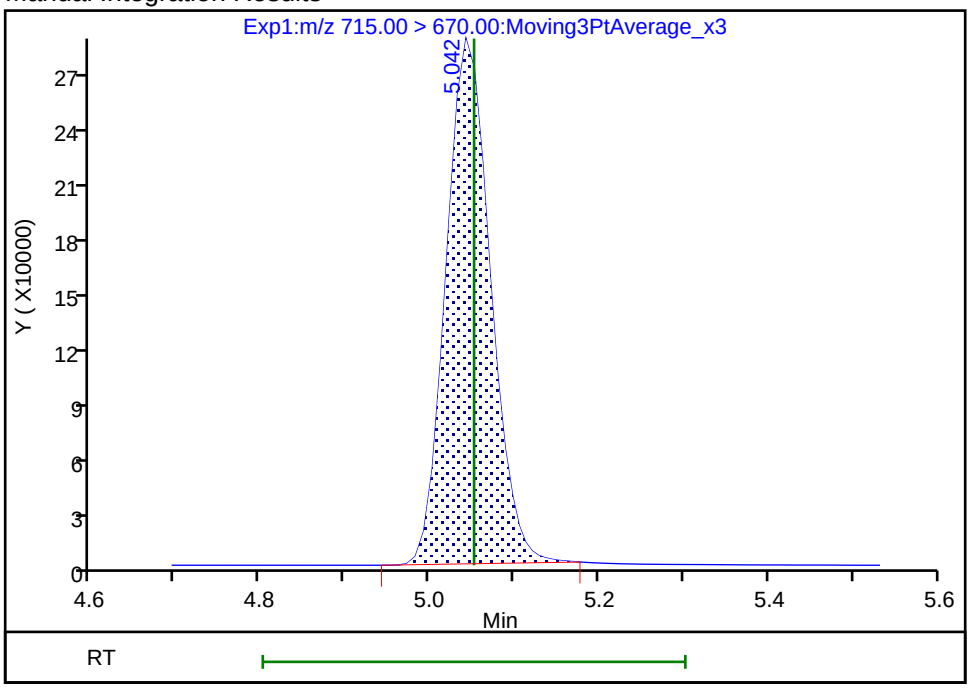
Processing Integration Results

RT: 5.04
Area: 1065126
Amount: 1.263510
Amount Units: ng/ml



Manual Integration Results

RT: 5.04
Area: 1051462
Amount: 1.247301
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:29:06
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

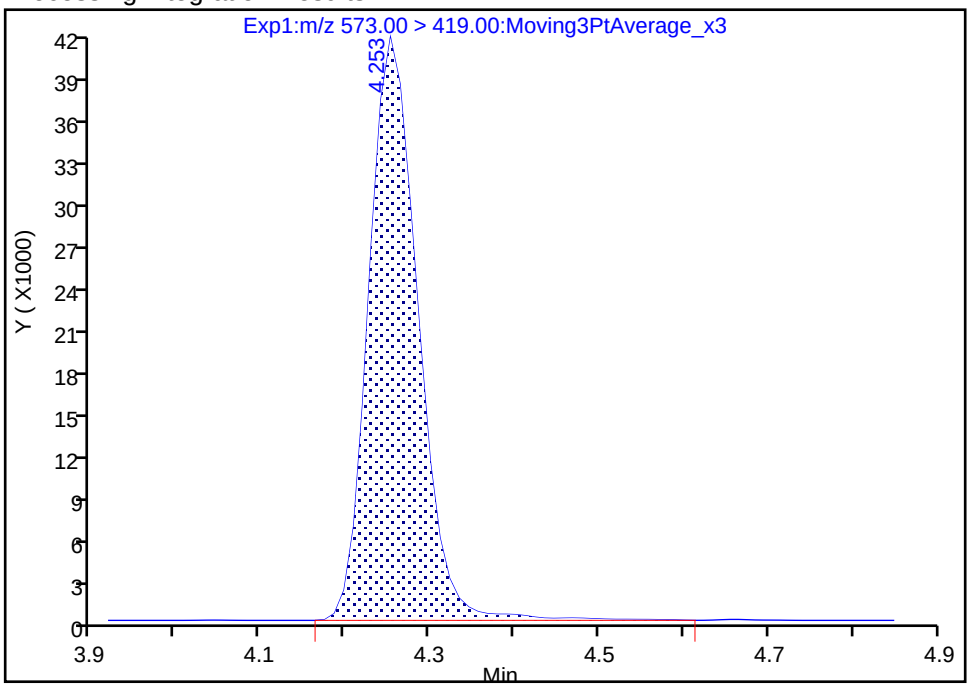
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B12.d				
Injection Date:	04-Aug-2022 15:31:12	Instrument ID:	LC812		
Lims ID:	460-262897-A-4-A	Lab Sample ID:	200-262897-4		
Client ID:	BCS-09-43 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	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

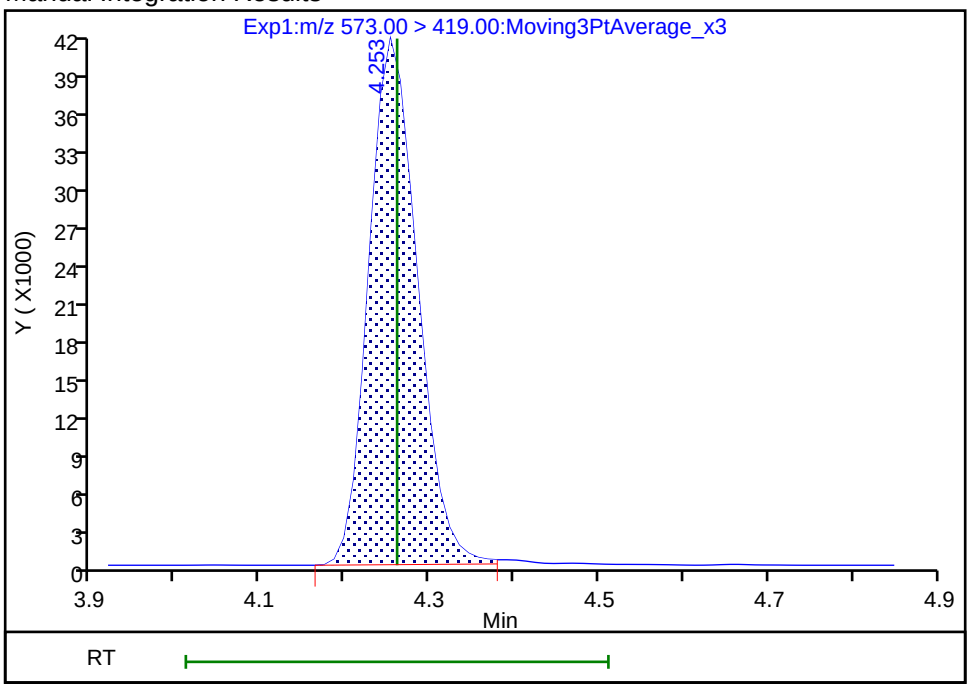
Processing Integration Results

RT: 4.25
Area: 165835
Amount: 0.942029
Amount Units: ng/ml



Manual Integration Results

RT: 4.25
Area: 163197
Amount: 0.927044
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:39:35

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

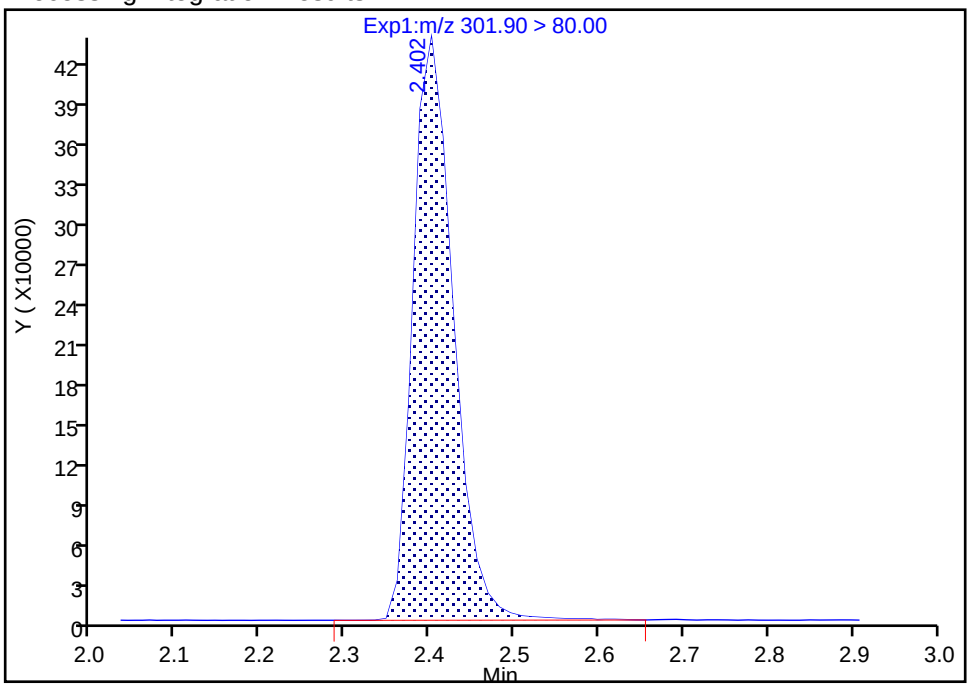
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Injection Date:	04-Aug-2022 15:31:12	Instrument ID:	LC812		
Lims ID:	460-262897-A-4-A	Lab Sample ID:	200-262897-4		
Client ID:	BCS-09-43 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

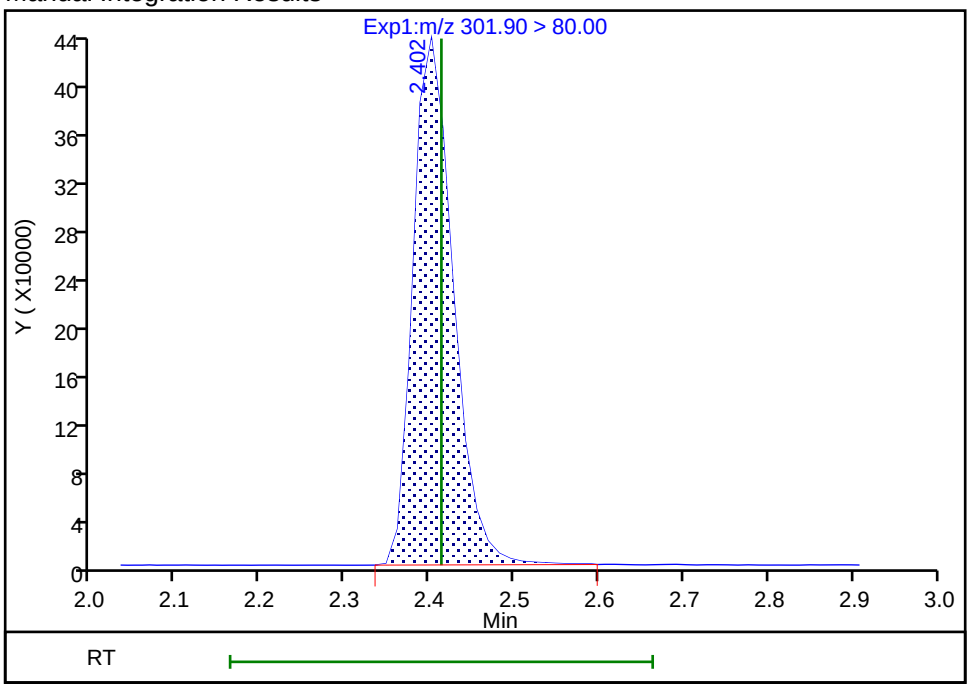
Processing Integration Results

RT: 2.40
Area: 1425586
Amount: 1.005733
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 1421180
Amount: 1.002625
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:39:21

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 460-262897-1

SDG No.:

Client Sample ID: BCS-09-36 (6-6.5)P | Lab Sample ID: 460-262897-5

Matrix: Solid | Lab File ID: PA220804B14.d

Analysis Method: 537 (modified) | Date Collected: 07/29/2022 09:45

Extraction Method: SHAKE | Date Extracted: 08/03/2022 11:39

Sample wt/vol: 5.26(g) | Date Analyzed: 08/04/2022 15:47

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

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

% Moisture: 4.5 % Solids: 95.5 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 182375 | 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)	0.066	J	0.20	0.055
307-24-4	Perfluorohexanoic acid (PFHxA)	0.075	J	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)	0.12	J	0.20	0.019
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.20	U	0.20	0.034
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.99	U	1.99	0.11
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.99	U	1.99	0.083
27619-97-2	6:2 FTS	1.99	U	1.99	0.057
39108-34-4	8:2 FTS	1.99	U	1.99	0.037

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Client Sample ID: BCS-09-36 (6-6.5)P Lab Sample ID: 460-262897-5

Matrix: Solid Lab File ID: PA220804B14.d

Analysis Method: 537 (modified) Date Collected: 07/29/2022 09:45

Extraction Method: SHAKE Date Extracted: 08/03/2022 11:39

Sample wt/vol: 5.26(g) Date Analyzed: 08/04/2022 15:47

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

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

% Moisture: 4.5 % Solids: 95.5 GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 182375 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	78		50-150
STL01892	13C4 PFHpA	92		50-150
STL00990	13C4 PFOA	91		50-150
STL00991	13C4 PFOS	79		50-150
STL00995	13C5 PFNA	90		50-150
STL00992	13C4 PFBA	92		50-150
STL00993	13C2 PFHxA	91		50-150
STL00996	13C2 PFDA	86		50-150
STL00997	13C2 PFUnA	93		50-150
STL00998	13C2 PFDoA	88		50-150
STL01056	13C8 FOSA	80		50-150
STL01893	13C5 PFPeA	92		50-150
STL02116	13C2 PFTeDA	96		50-150
STL02118	d3-NMeFOSAA	71		50-150
STL02117	d5-NEtFOSAA	75		50-150
STL02279	M2-6:2 FTS	73		50-150
STL02280	M2-8:2 FTS	77		50-150
STL02337	13C3 PFBS	80		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B14.d
Lims ID: 460-262897-A-5-A
Client ID: BCS-09-36 (6-6.5)P
Sample Type: Client
Inject. Date: 04-Aug-2022 15:47:35 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: 460-262897-A-5-A
Misc. Info.: 200-0051959-014 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 05-Aug-2022 12:54:43 Calib Date: 03-Aug-2022 13:41:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1640

First Level Reviewer: nampitakw Date: 05-Aug-2022 11:56:30
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										M
217.00 > 172.00	2.076	2.076	0.0	0.598	1693352	1.15		92.1	6031	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.085	0.0	1.004	43955	0.0335			3.9	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.386	2.400	-0.014	0.687	1303355	1.15		92.2	2416	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.386	2.400	-0.014	1.000	35772	0.0333			1.1	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.400	2.413	-0.013	0.691	1224083	0.9353		80.5	127954	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.413	2.413	0.0	1.006	9334	0.008030	Target=2.23		6.2	M
298.90 > 99.00	2.400	2.413	-0.013	1.000	3643		2.56(1.11-3.34)		1.8	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.737	2.750	-0.013	1.000	40489	0.0377	Target=12.24		4.8	M
313.00 > 119.00	2.737	2.750	-0.013	1.000	3145		12.87(6.12-18.36)		3.9	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.737	2.750	-0.013	0.788	1287162	1.14		91.2	2109	
D 11 18O2 PFHxS										
403.00 > 84.00	3.110	3.110	0.0	0.895	847055	0.9202		77.8	2645	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.110	3.110	0.0	1.000	7478	0.009465	Target=3.43		10.6	M
399.00 > 99.00	3.121	3.110	0.011	1.004	3584		2.09(1.72-5.15)		3.5	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.110	3.121	-0.011	0.895	1347439	1.15		92.0	2434	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.110	3.121	-0.011	1.000	15262	0.0137	Target=3.73		3.1	M
363.00 > 169.00	3.110	3.121	-0.011	1.000	3858		3.96(1.86-5.59)		9.3	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 12 M2-6:2 FTS										
429.00 > 81.00	3.456	3.465	-0.009	0.995	134010	0.8698		73.2	224	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.465	3.465	0.0	1.003	1544	-0.007419			8.7	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.465	3.465	0.0	0.916	3621	0.005428	Target=4.89		8.1	M
449.00 > 99.00	3.465	3.465	0.0	0.916	1024		3.54(2.44-7.33)		3.7	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.474	3.474	0.0	1.003	33855	0.0278	Target=2.67		3.5	M
413.00 > 169.00	3.465	3.474	-0.009	1.000	12936		2.62(1.34-4.01)		21.0	
D 14 13C4 PFOA										
417.00 > 372.00	3.465	3.474	-0.009	0.997	1359617	1.13		90.6	2963	
* 62 13C2 PFOA										
415.00 > 370.00	3.474	3.474	0.0		1575109	1.25			3944	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.783	3.792	-0.009	1.000	16267	0.0118	Target=4.88		12.7	M
499.00 > 99.00	3.783	3.792	-0.009	1.000	4865		3.34(2.44-7.32)		8.0	M
D 18 13C4 PFOS										
503.00 > 80.00	3.783	3.792	-0.009	1.089	644943	0.9383		78.5	1903	
20 Perfluorononanoic acid										M
463.00 > 419.00	3.812	3.812	0.0	1.003	10687	0.009330	Target=8.23		3.0	M
463.00 > 169.00	3.802	3.812	-0.010	1.000	1513		7.06(4.11-12.34)		12.8	M
D 19 13C5 PFNA										M
468.00 > 423.00	3.802	3.812	-0.010	1.094	1407141	1.13		90.3	2053	M
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.115	4.116	-0.001	1.000	13371	0.0121	Target=9.67		7.7	M
513.00 > 169.00	4.115	4.116	-0.001	1.000	1831		7.30(4.83-14.50)		10.9	M
D 23 13C2 PFDA										M
515.00 > 470.00	4.115	4.116	-0.001	1.185	1308478	1.08		86.3	1306	M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.115	4.127	-0.012	1.000	1550	0.0113			36.5	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.115	4.127	-0.012	1.185	170099	0.9176		76.6	516	
D 21 13C8 FOSA										M
506.00 > 78.00	4.161	4.161	0.0	1.198	1065127	1.00		80.3	1835	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.161	4.161	0.0	1.000	6162	0.007097			23.0	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.261	4.261	0.0	1.000	2638	0.0256			14.8	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.261	4.261	0.0	1.227	144896	0.8914		71.3	476	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.353	4.365	-0.012	1.151	18988	0.0604	Target=2.80		17.7	M
599.00 > 99.00	4.353	4.365	-0.012	1.151	8332		2.28(1.40-4.20)		29.7	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.387	4.387	0.0	1.263	1070832	1.17		93.2	1319	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.376	4.387	-0.011	0.997	5385	0.005933	Target=9.07		4.2	M
563.00 > 169.00	4.387	4.387	0.0	1.000	972		5.54(4.54-13.61)		11.1	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.398	4.399	-0.001	1.003	3073	0.0294			43.5	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.387	4.399	-0.012	1.263	143730	0.9342		74.7	694	
D 36 13C2 PFDoA										
615.00 > 570.00	4.622	4.633	-0.011	1.331	1048960	1.10		88.1	3089	
37 Perfluorododecanoic acid										
613.00 > 569.00	4.622	4.633	-0.011	1.000	8480	0.0100	Target=6.97		1.9	
613.00 > 169.00	4.633	4.633	0.0	1.002	1342		6.32(3.48-10.45)		16.4	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.848	4.859	-0.011	1.049	3485	0.004724	Target=4.56		1.0	M
663.00 > 169.00	4.848	4.859	-0.011	1.049	1475		2.36(2.28-6.84)		20.6	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.042	5.052	-0.010	1.451	929979	1.19		95.6	1924	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.042	5.052	-0.010	1.000	689	0.005780	Target=0.94		11.5	M
713.00 > 219.00	5.042	5.052	-0.010	1.000	1197		0.58(0.47-1.41)		29.9	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Report Date: 05-Aug-2022 12:54:48 Chrom Revision: 2.3 04-Aug-2022 18:02:28

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B14.d

Injection Date: 04-Aug-2022 15:47:35 Instrument ID: LC812

Lims ID: 460-262897-A-5-A Lab Sample ID: 200-262897-5

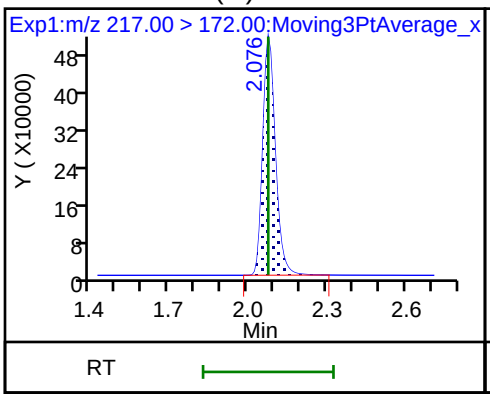
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Operator ID: lc812tech ALS Bottle#: 14 Worklist Smp#: 14

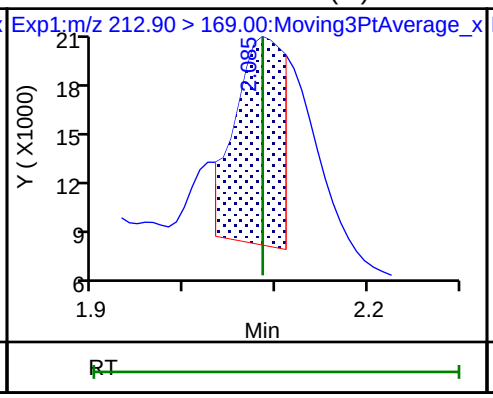
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

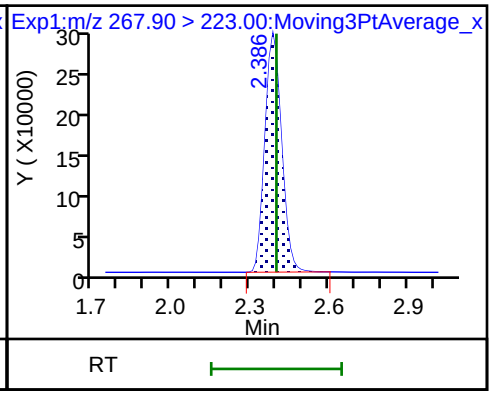
D 1 13C4 PFBA (M)



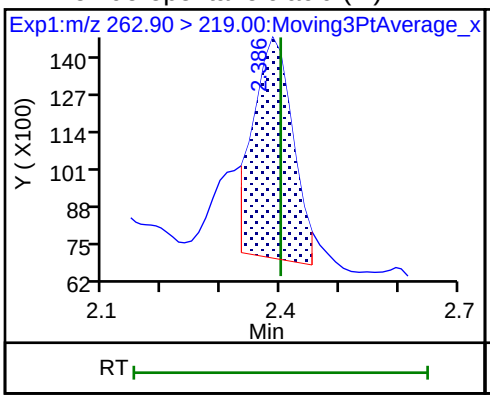
2 Perfluorobutanoic acid (M)



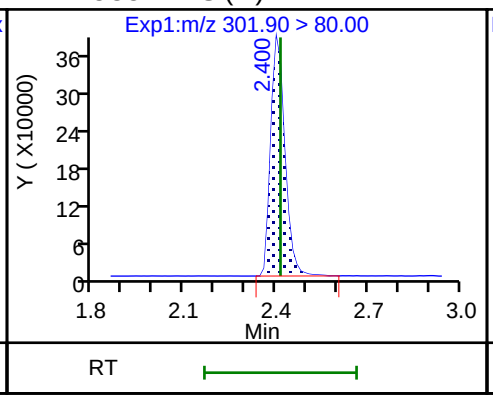
D 3 13C5 PFPeA



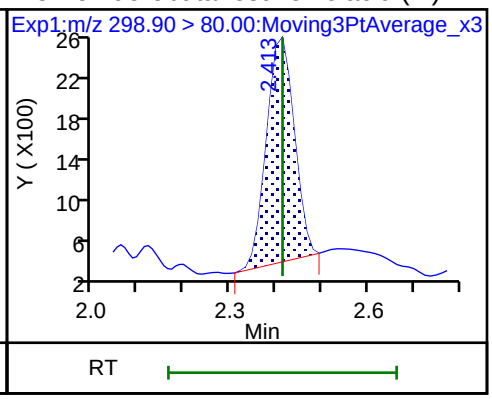
4 Perfluoropentanoic acid (M)



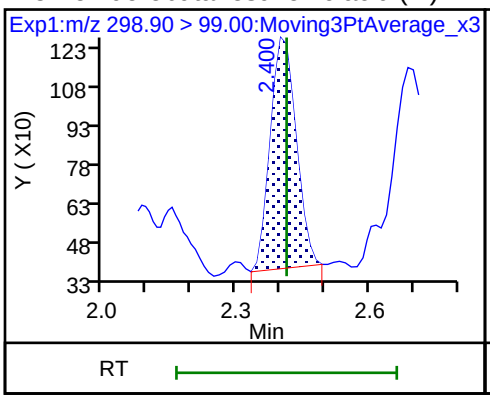
D 47 13C3 PFBS (M)



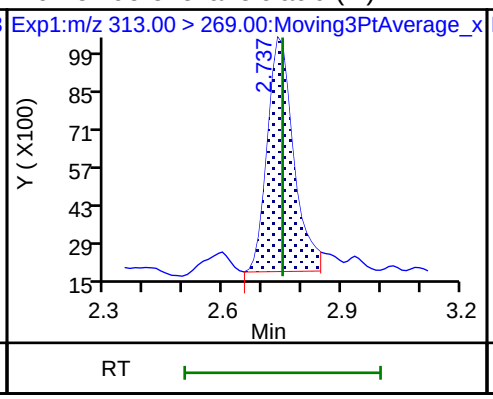
5 Perfluorobutanesulfonic acid (M)



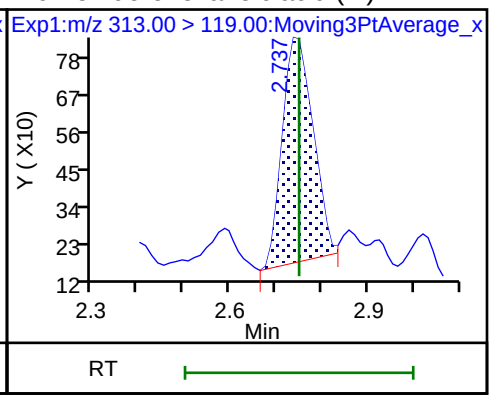
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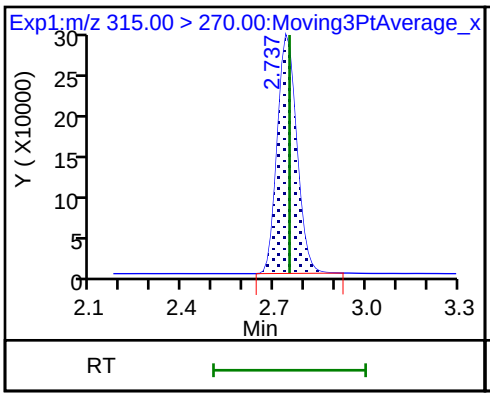
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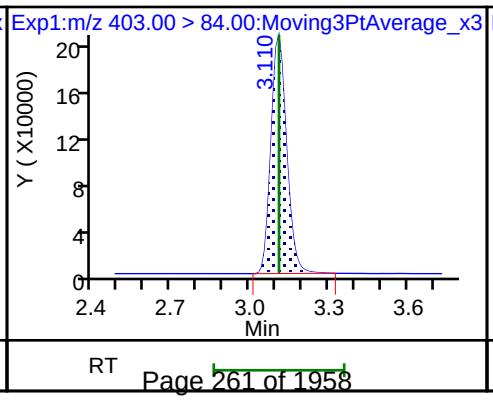
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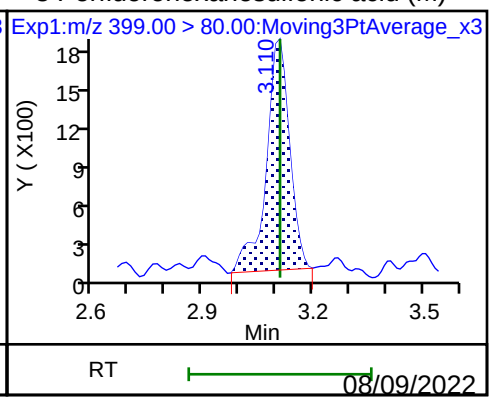
D 7 13C2 PFHxA



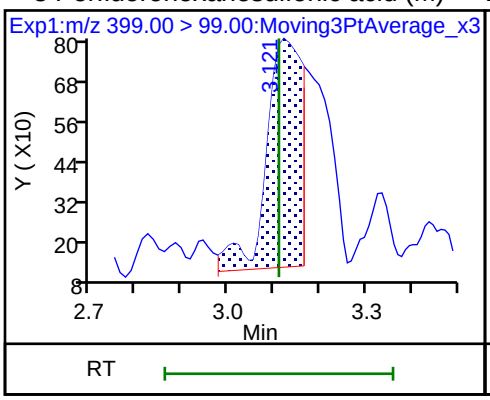
D 11 18O2 PFHxS



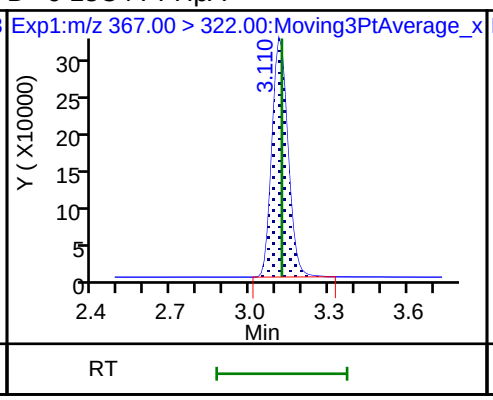
8 Perfluorohexanesulfonic acid (M)



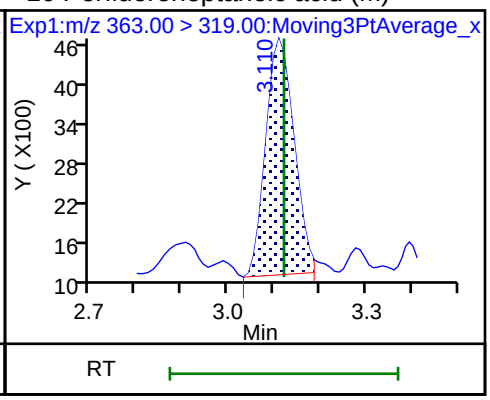
8 Perfluorohexanesulfonic acid (M)



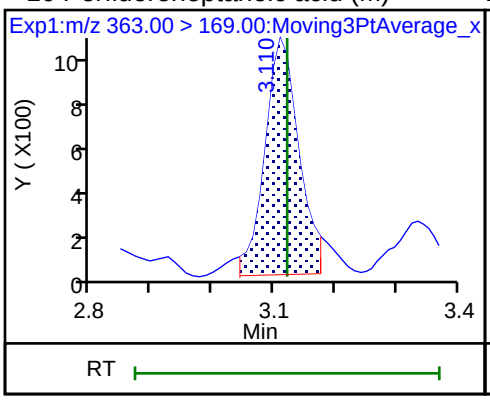
D 9 13C4 PFHpA



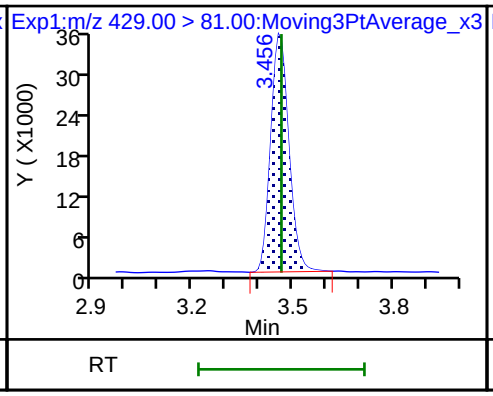
10 Perfluoroheptanoic acid (M)



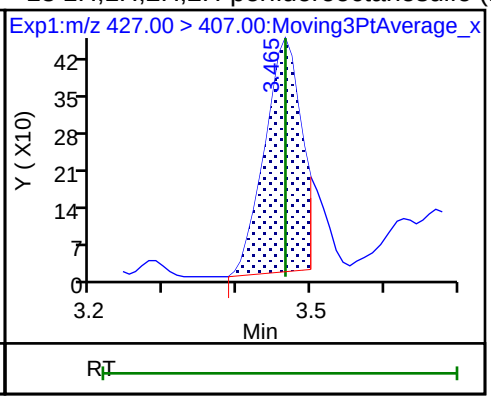
10 Perfluoroheptanoic acid (M)



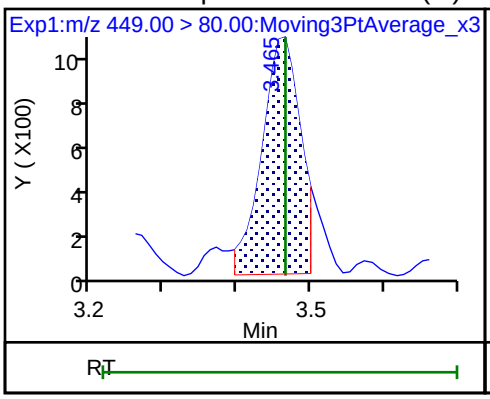
D 12 M2-6:2 FTS



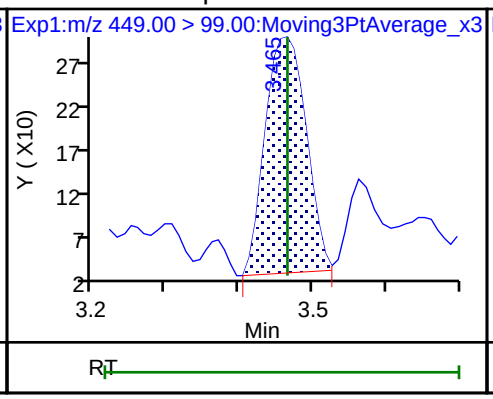
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



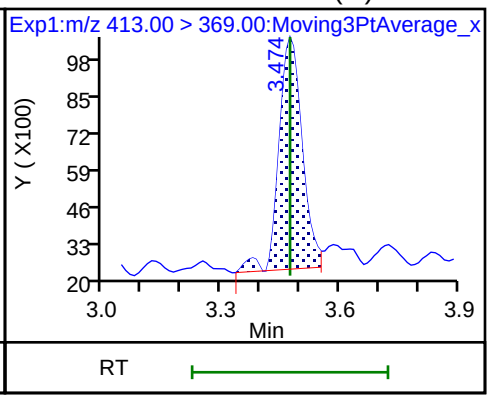
16 Perfluoroheptanesulfonic acid (M)



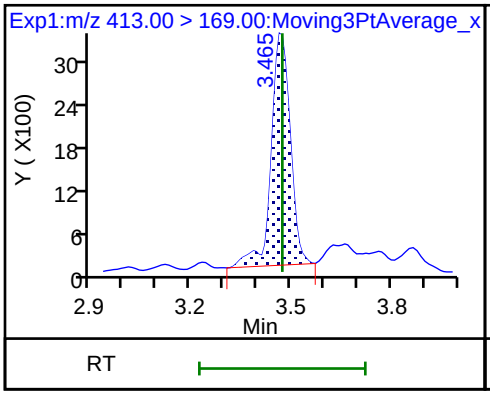
16 Perfluoroheptanesulfonic acid



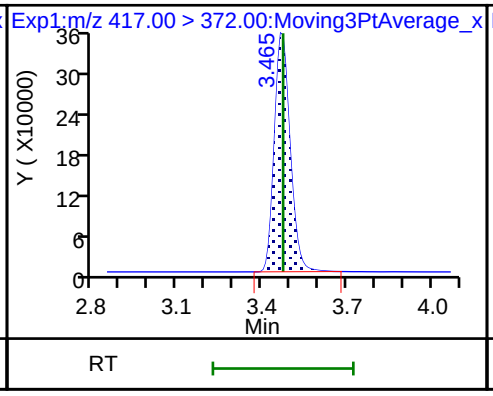
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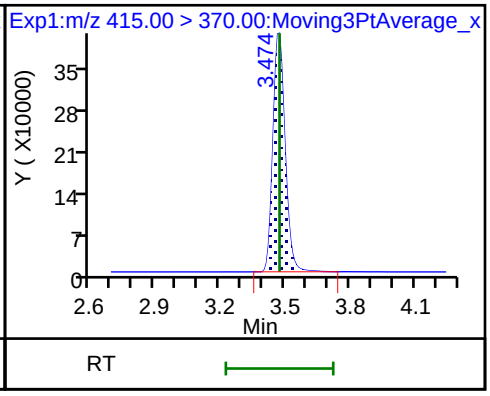
15 Perfluorooctanoic acid



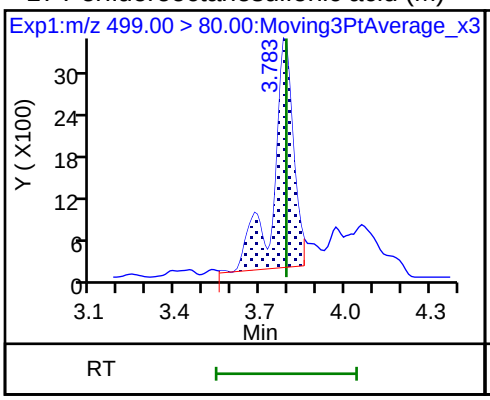
D 14 13C4 PFOA



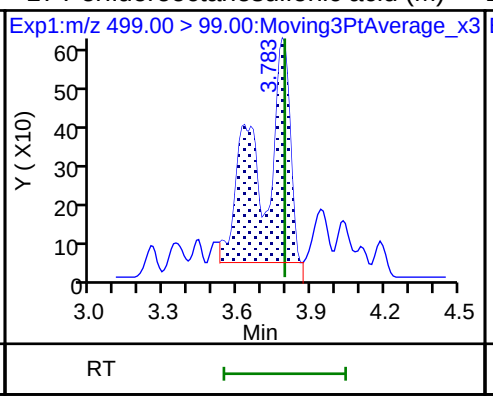
* 62 13C2 PFOA



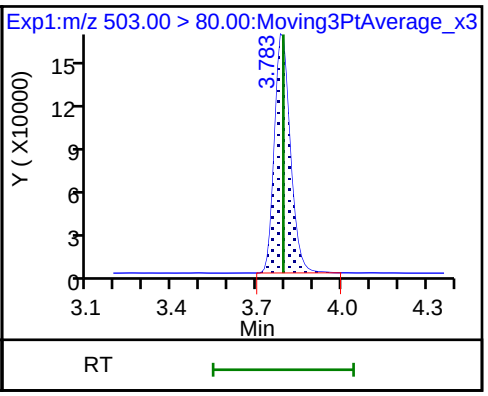
17 Perfluorooctanesulfonic acid (M)



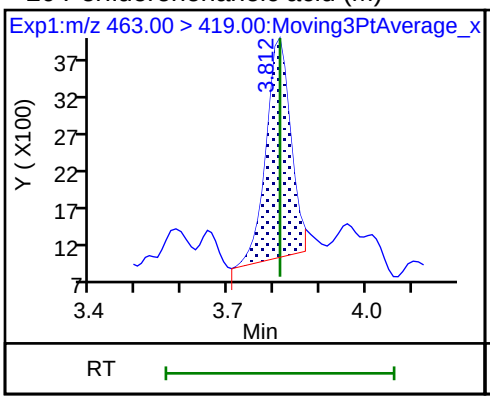
17 Perfluorooctanesulfonic acid (M)



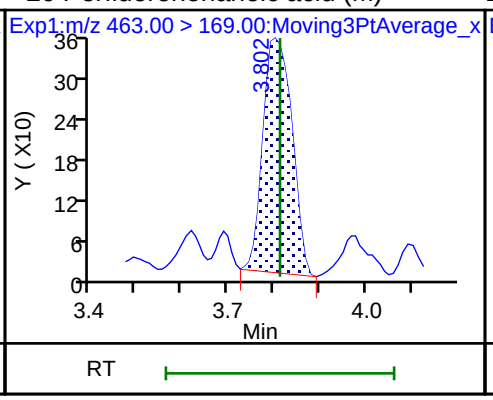
D 18 13C4 PFOS



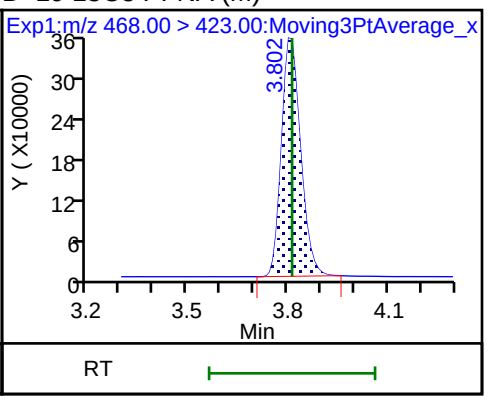
20 Perfluorononanoic acid (M)



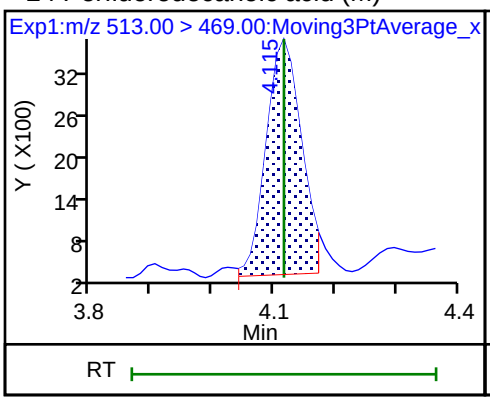
20 Perfluorononanoic acid (M)



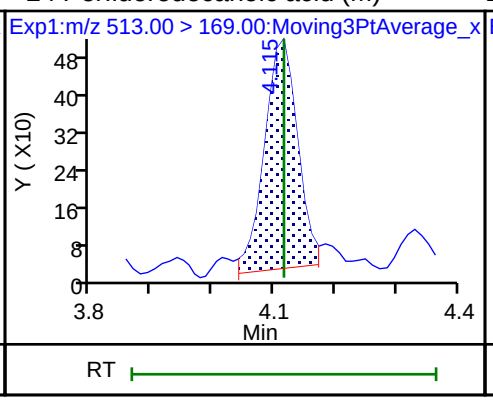
D 19 13C5 PFNA (M)



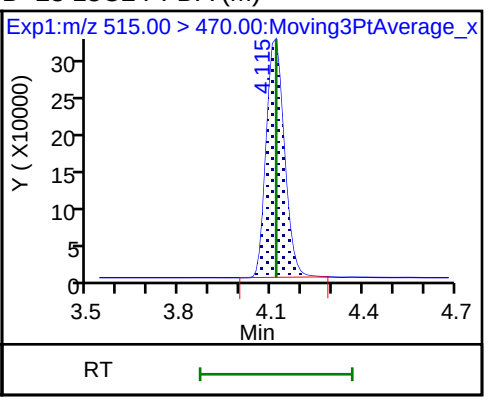
24 Perfluorodecanoic acid (M)



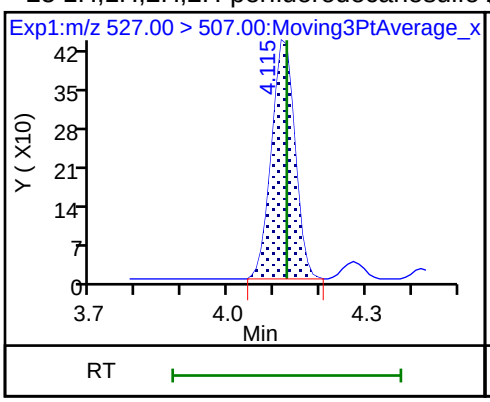
24 Perfluorodecanoic acid (M)



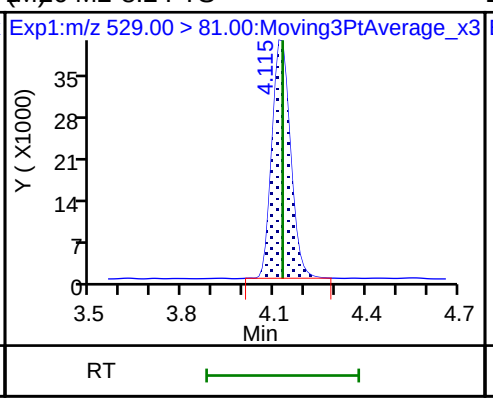
D 23 13C2 PFDA (M)



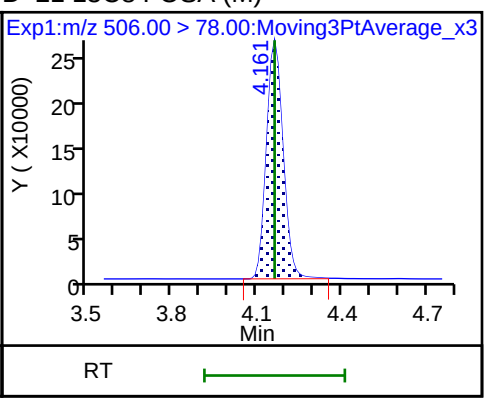
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



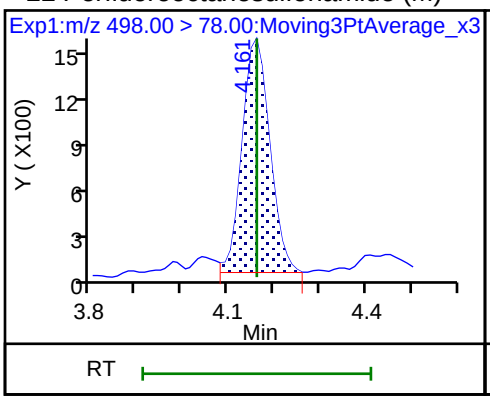
D 26 M2-8:2 FTS



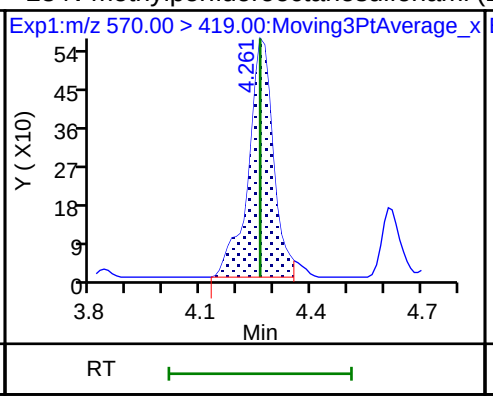
D 21 13C8 FOSA (M)



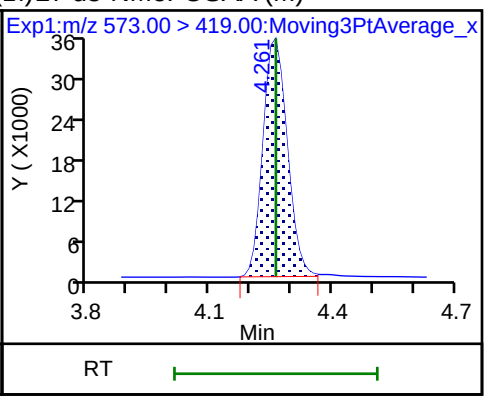
22 Perfluorooctanesulfonamide (M)



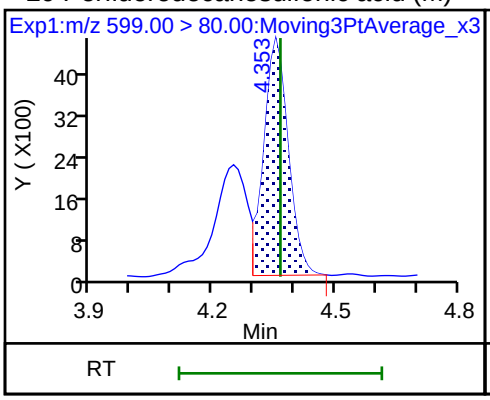
28 N-methylperfluorooctanesulfonami (M)



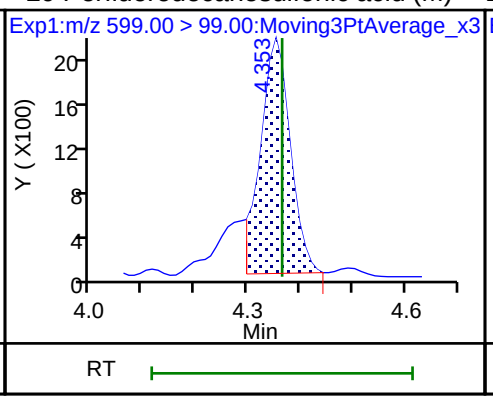
D 27 d3-NMeFOSAA (M)



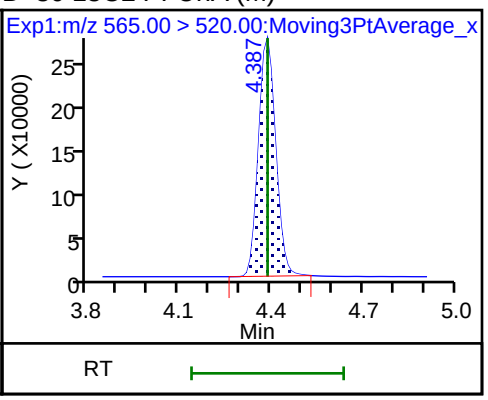
29 Perfluorodecanesulfonic acid (M)



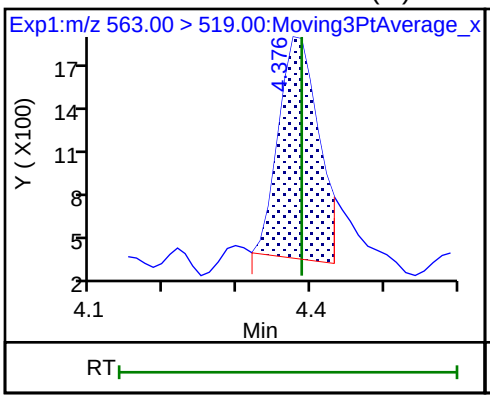
29 Perfluorodecanesulfonic acid (M)



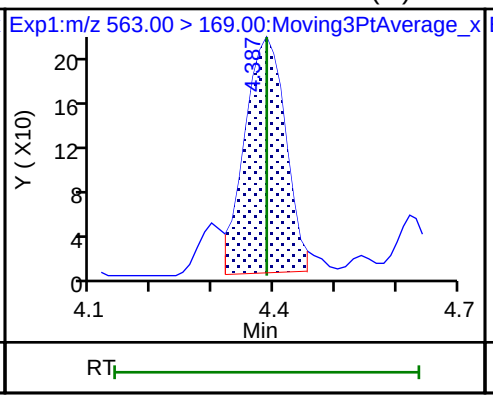
D 30 13C2 PFUnA (M)



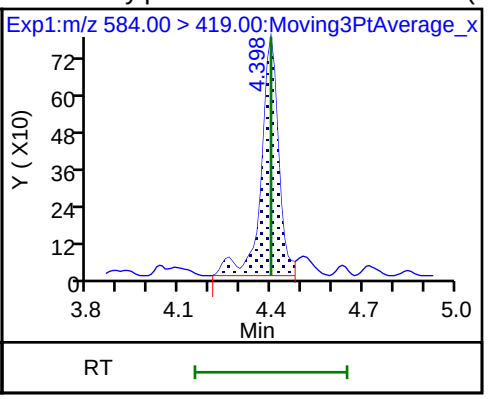
31 Perfluoroundecanoic acid (M)



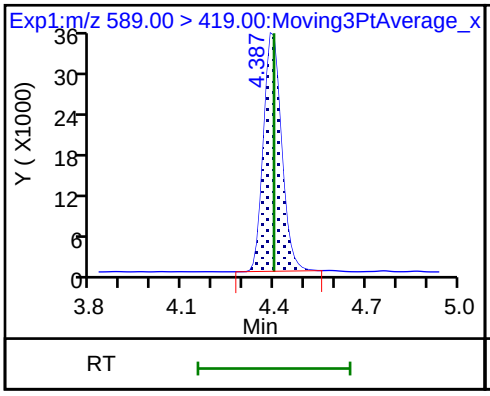
31 Perfluoroundecanoic acid (M)



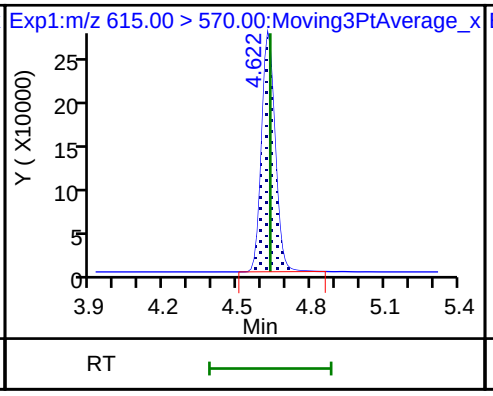
33 N-ethylperfluorooctanesulfonamid (M)



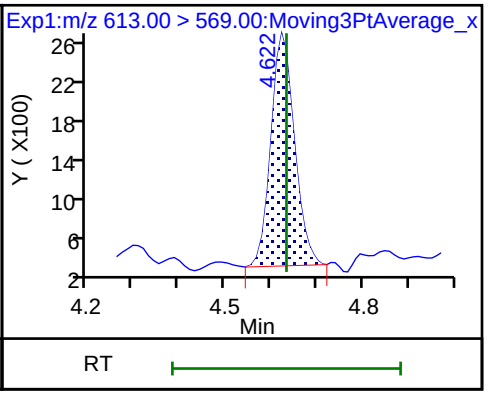
D 32 d5-NEtFOSAA



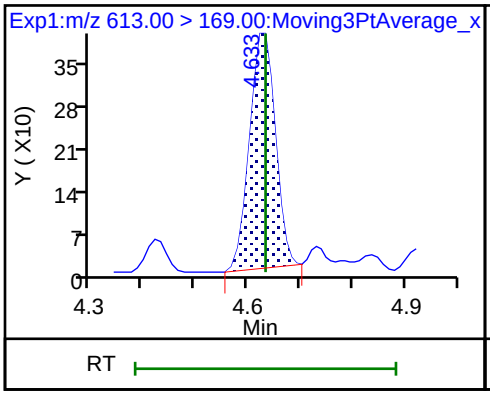
D 36 13C2 PFDoA



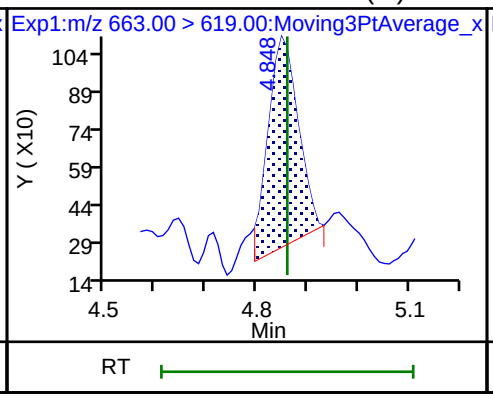
37 Perfluorododecanoic acid



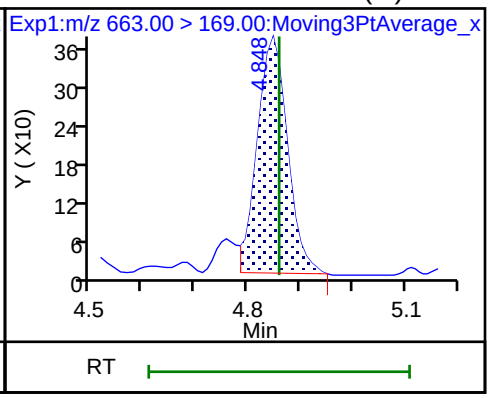
37 Perfluorododecanoic acid



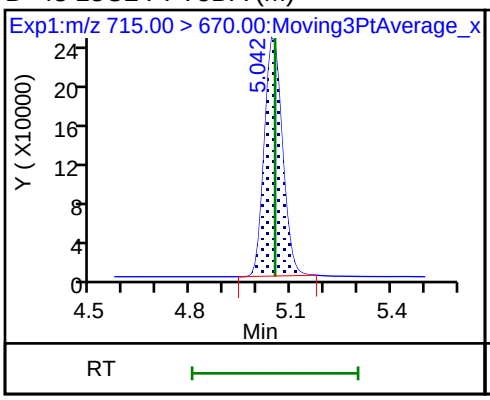
41 Perfluorotridecanoic acid (M)



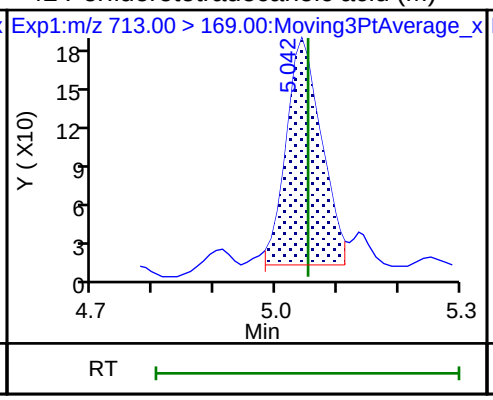
41 Perfluorotridecanoic acid (M)



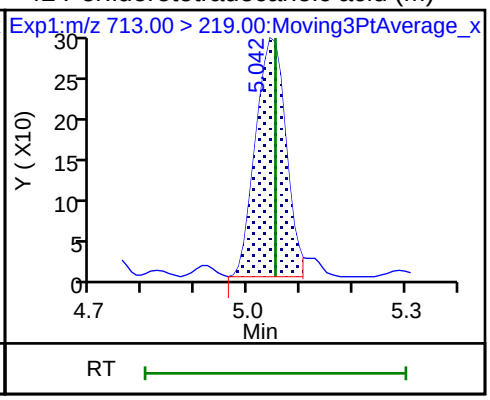
D 43 13C2 PFTeDA (M)



42 Perfluorotetradecanoic acid (M)



42 Perfluorotetradecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins Burlington

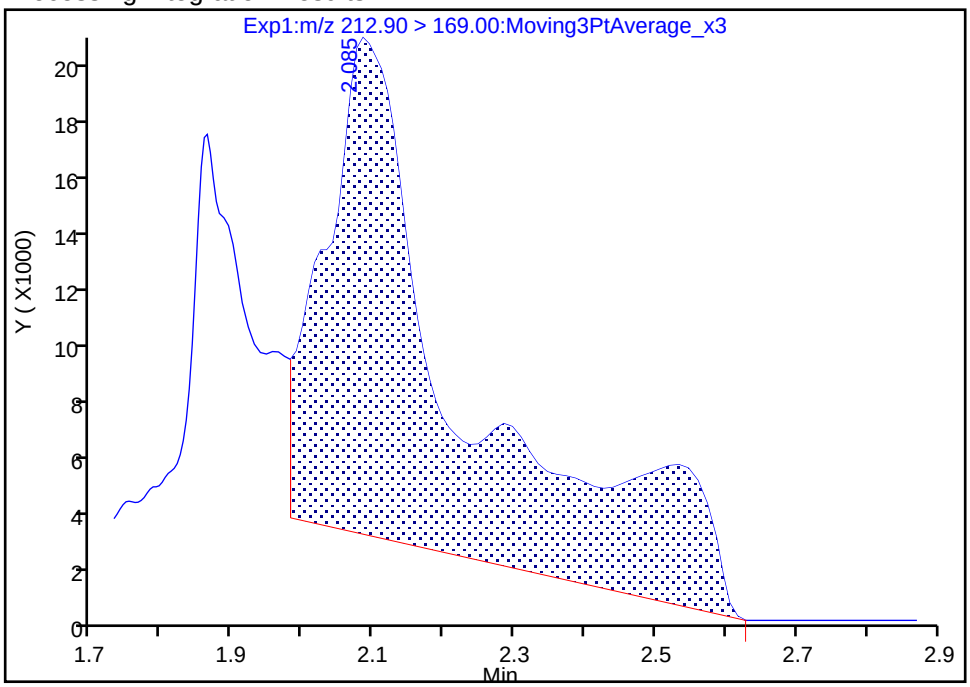
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Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

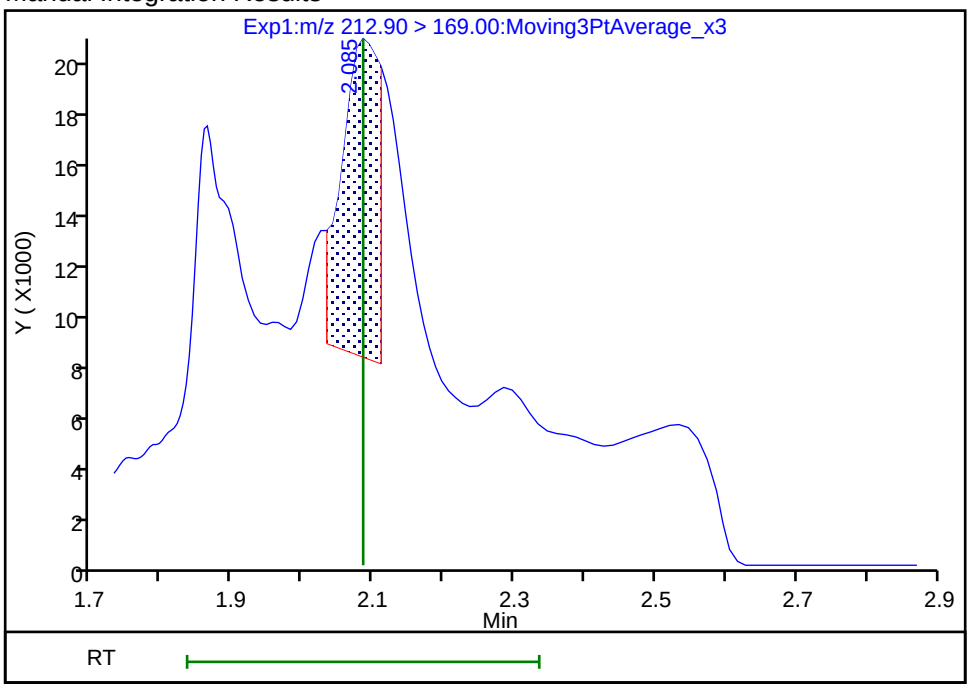
Processing Integration Results

RT: 2.08
Area: 242171
Amount: 0.183900
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 43955
Amount: 0.033461
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:49:54
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

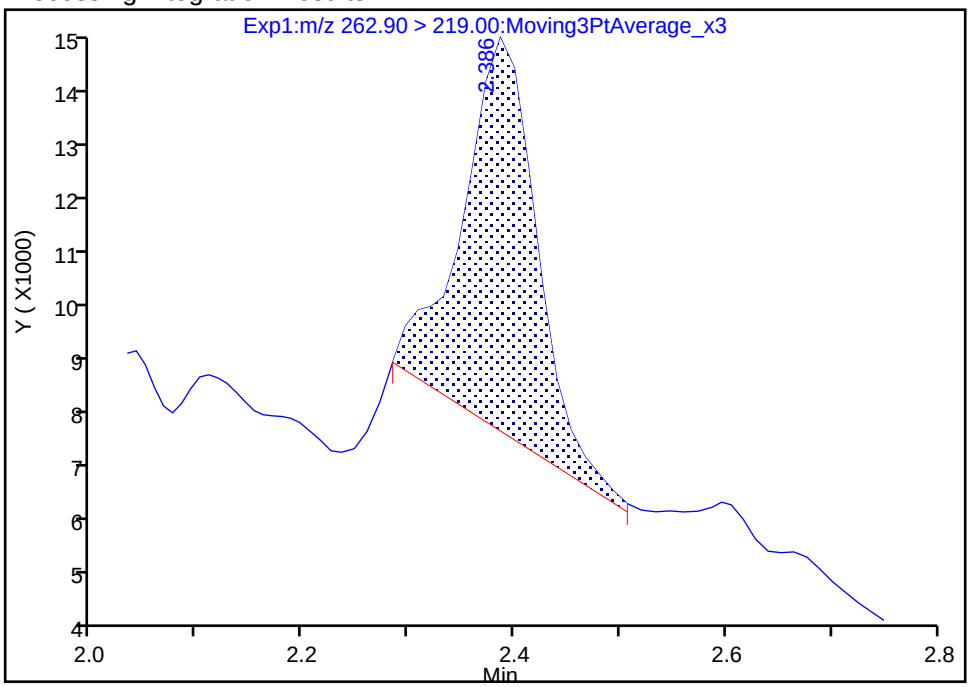
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Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

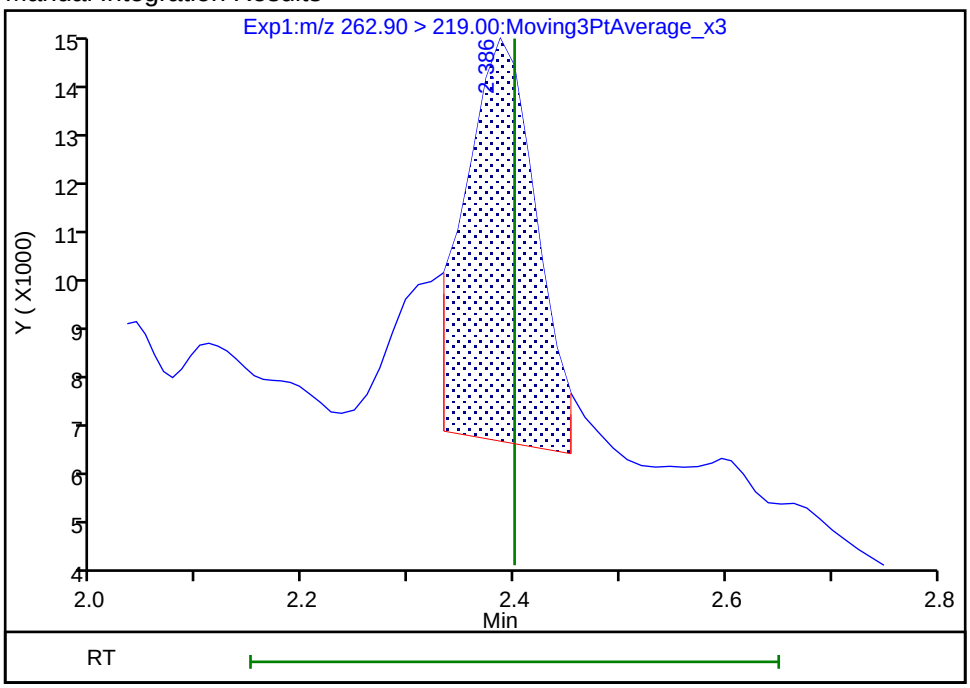
Processing Integration Results

RT: 2.39
Area: 33935
Amount: 0.031569
Amount Units: ng/ml



Manual Integration Results

RT: 2.39
Area: 35772
Amount: 0.033278
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:50:06

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

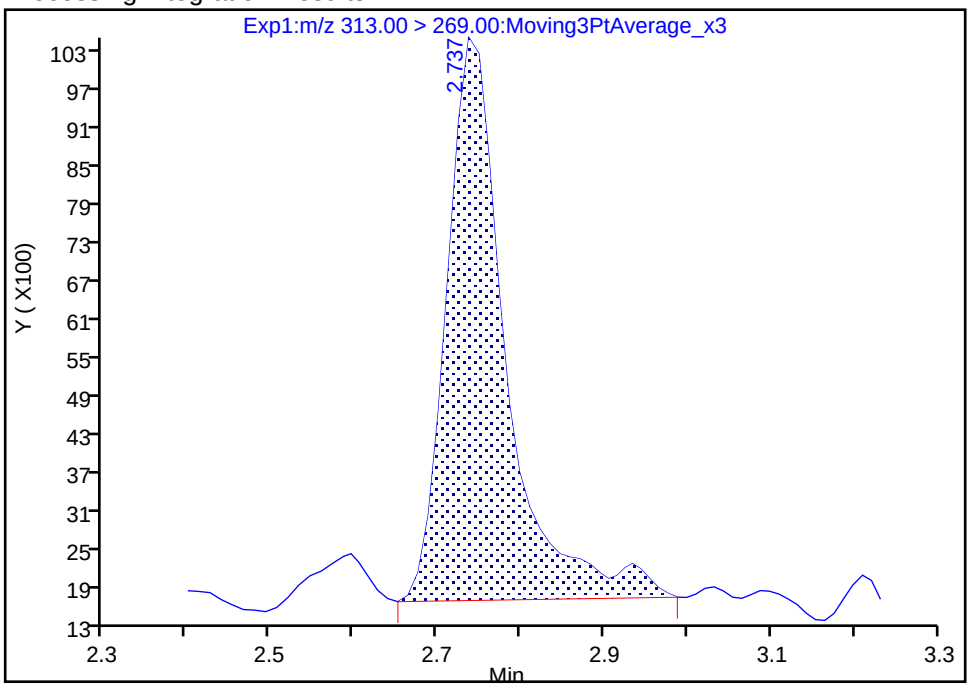
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Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

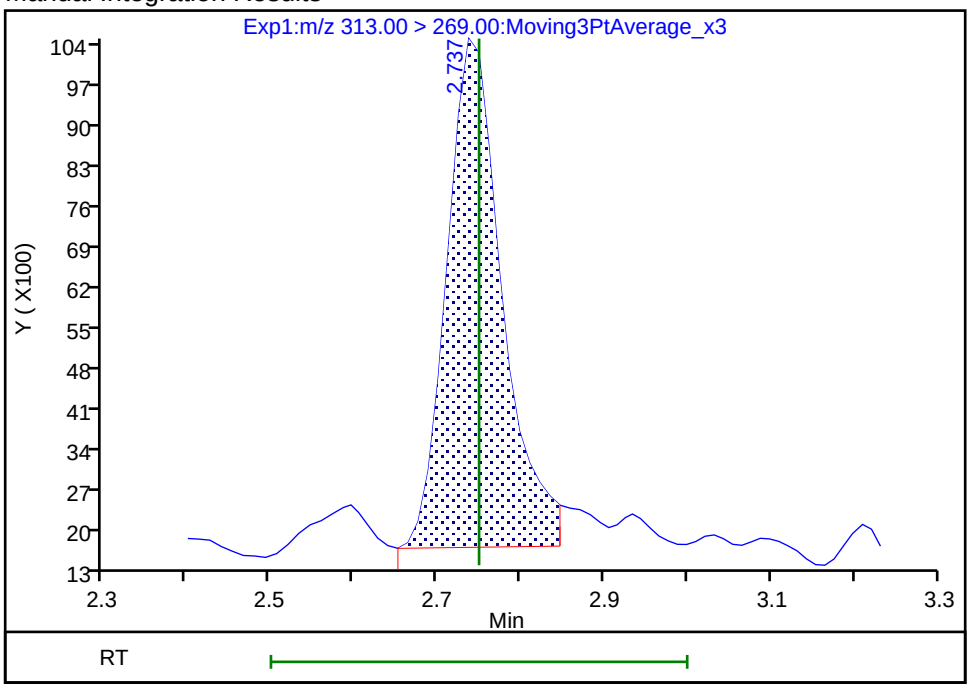
Processing Integration Results

RT: 2.74
Area: 43886
Amount: 0.040844
Amount Units: ng/ml



Manual Integration Results

RT: 2.74
Area: 40489
Amount: 0.037682
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:51:17

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

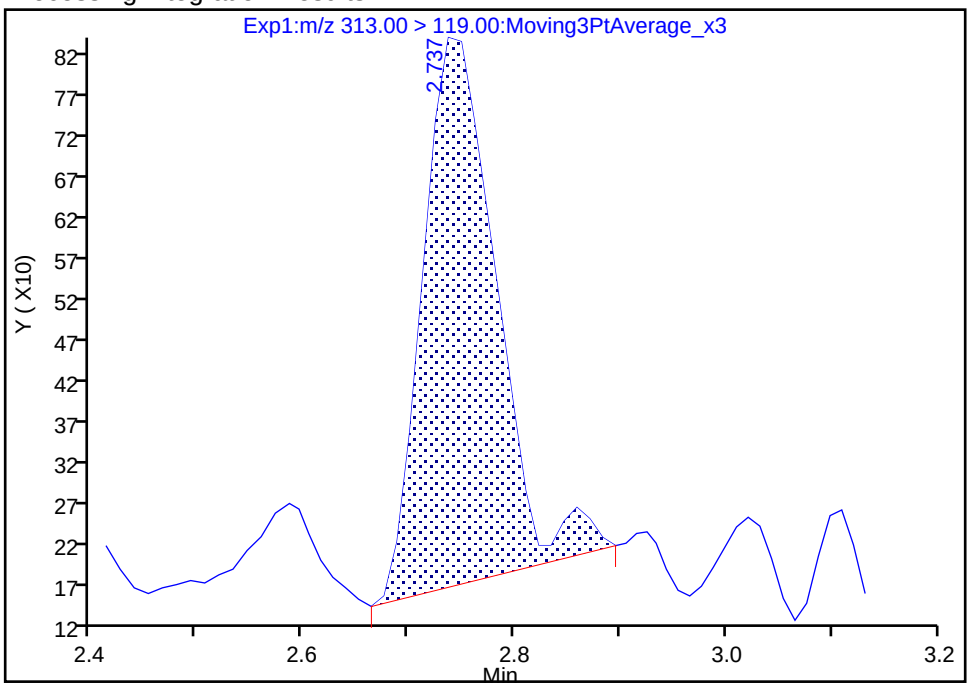
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Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

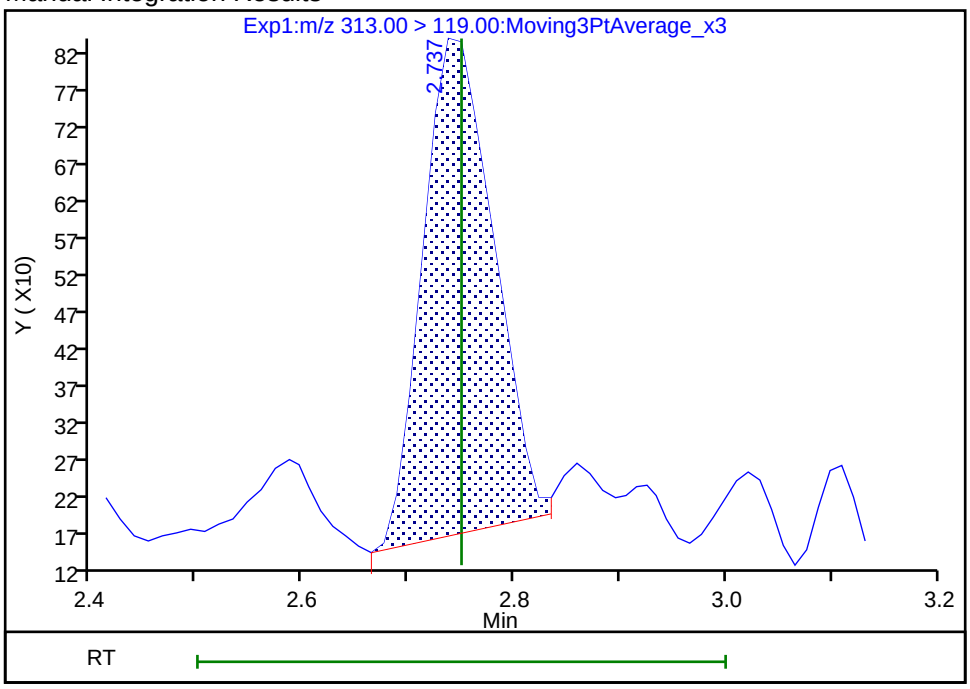
Processing Integration Results

RT: 2.74
Area: 3257
Amount: 0.040844
Amount Units: ng/ml



Manual Integration Results

RT: 2.74
Area: 3145
Amount: 0.037682
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:51:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

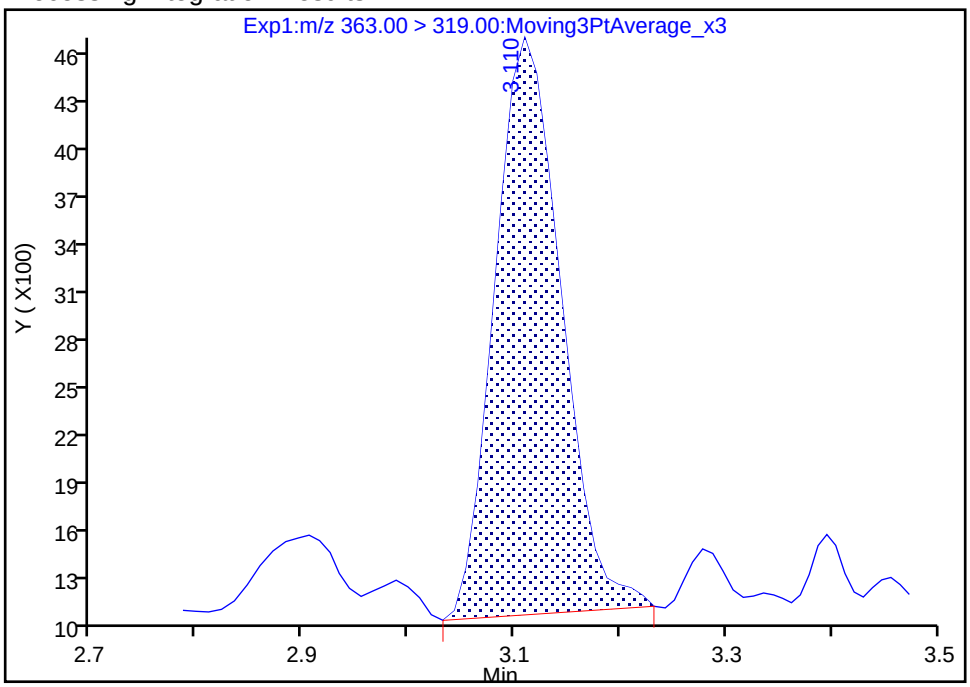
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Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

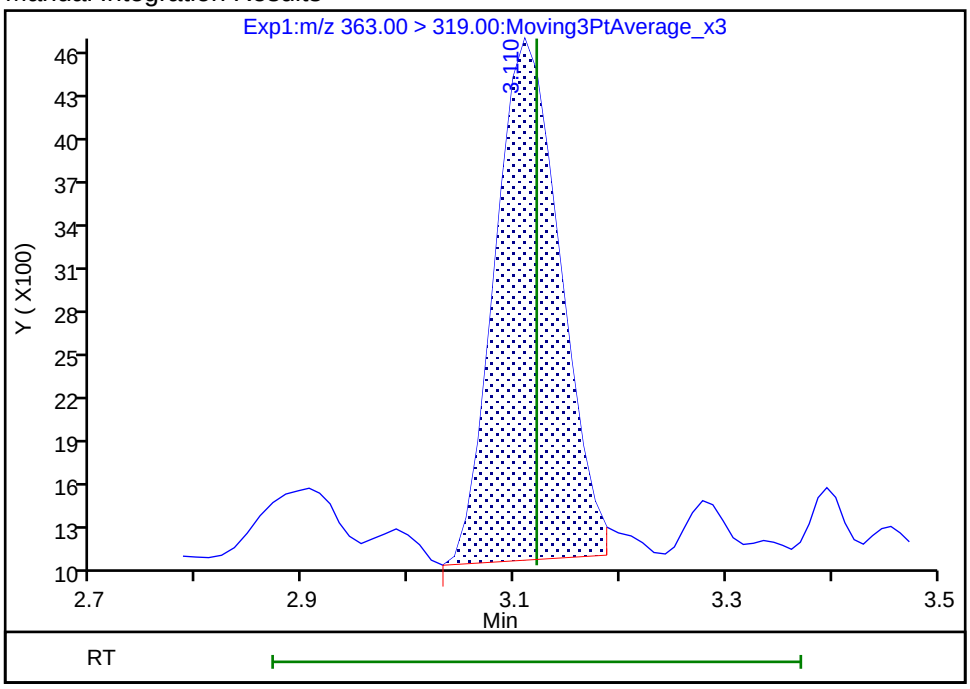
Processing Integration Results

RT: 3.11
Area: 15567
Amount: 0.014013
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 15262
Amount: 0.013738
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:52:21

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

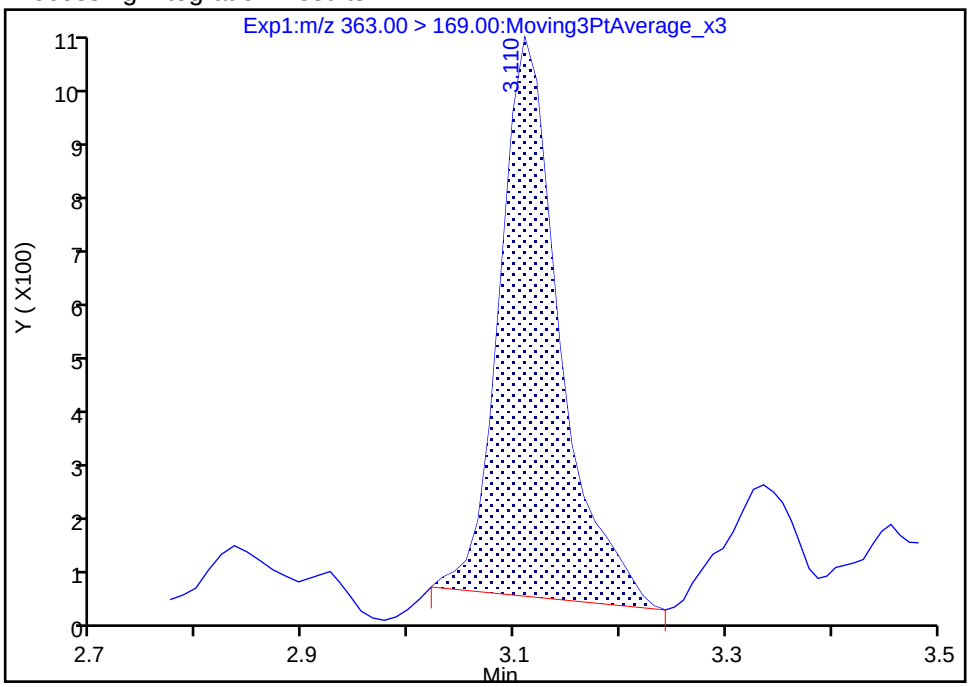
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Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

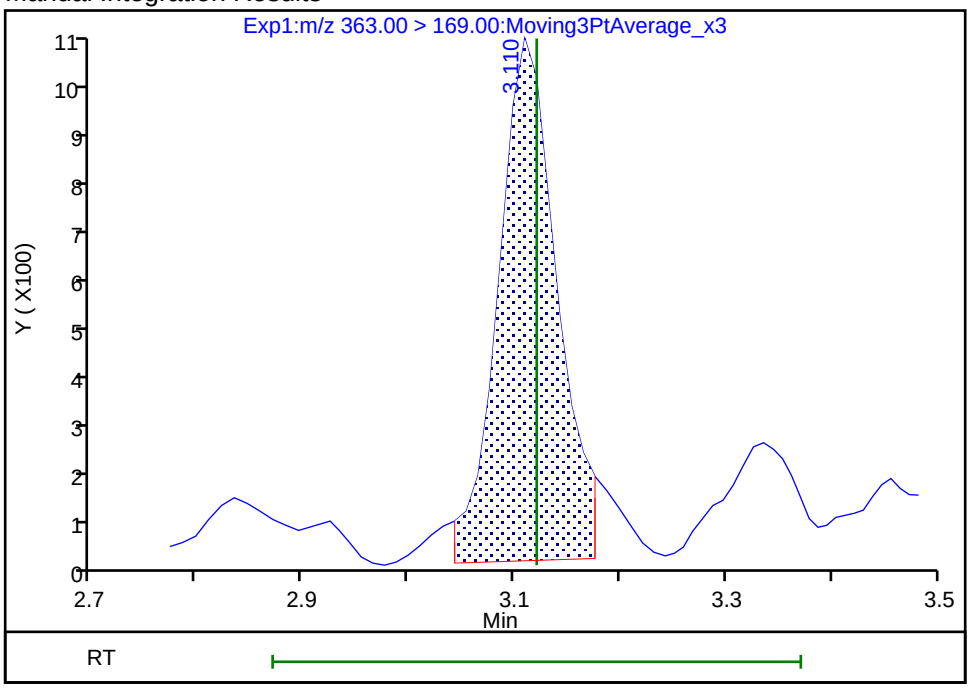
Processing Integration Results

RT: 3.11
Area: 3849
Amount: 0.014013
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 3858
Amount: 0.013738
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:52:24
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

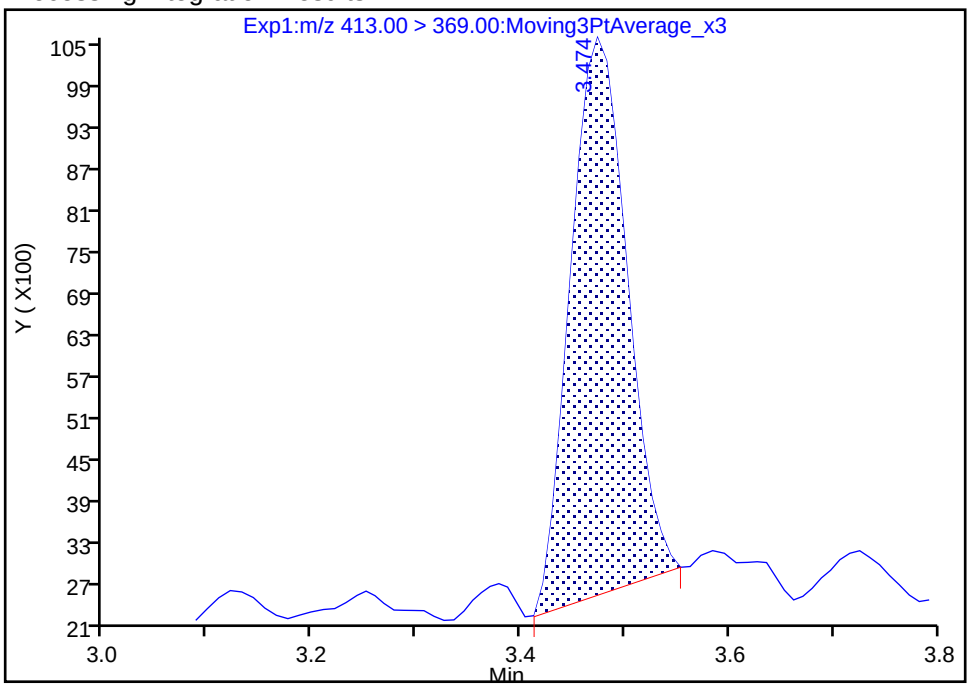
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B14.d				
Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

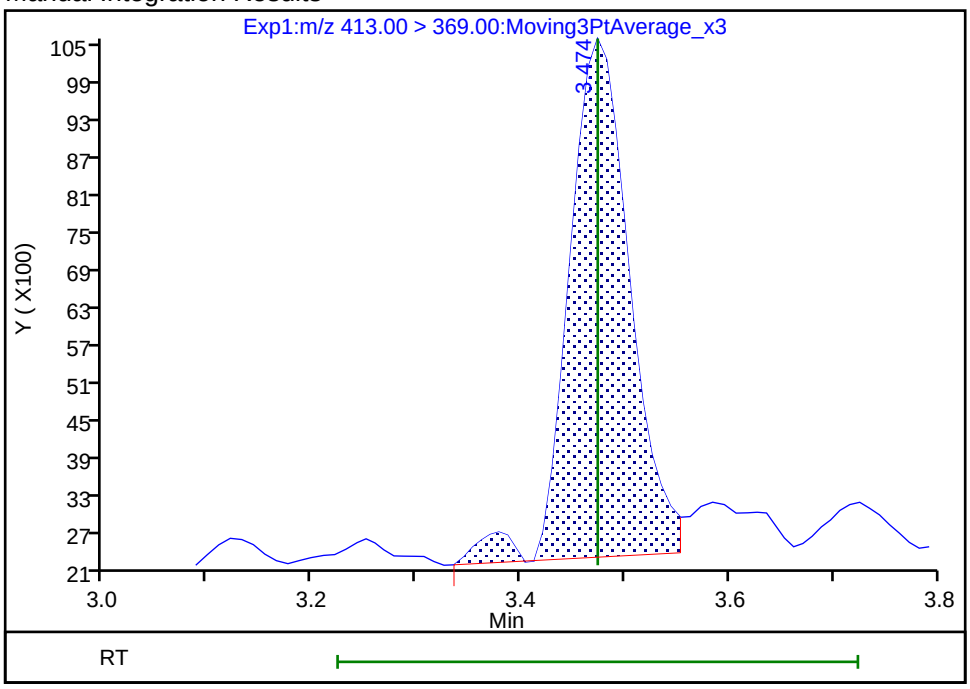
Processing Integration Results

RT: 3.47
Area: 30395
Amount: 0.024919
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 33855
Amount: 0.027756
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:31:59

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

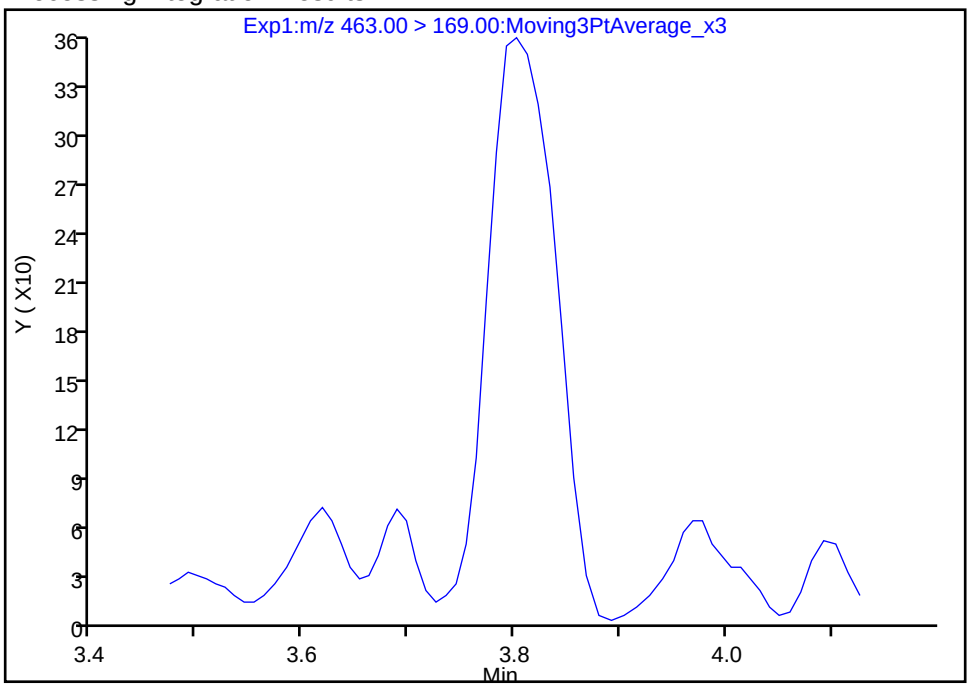
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Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

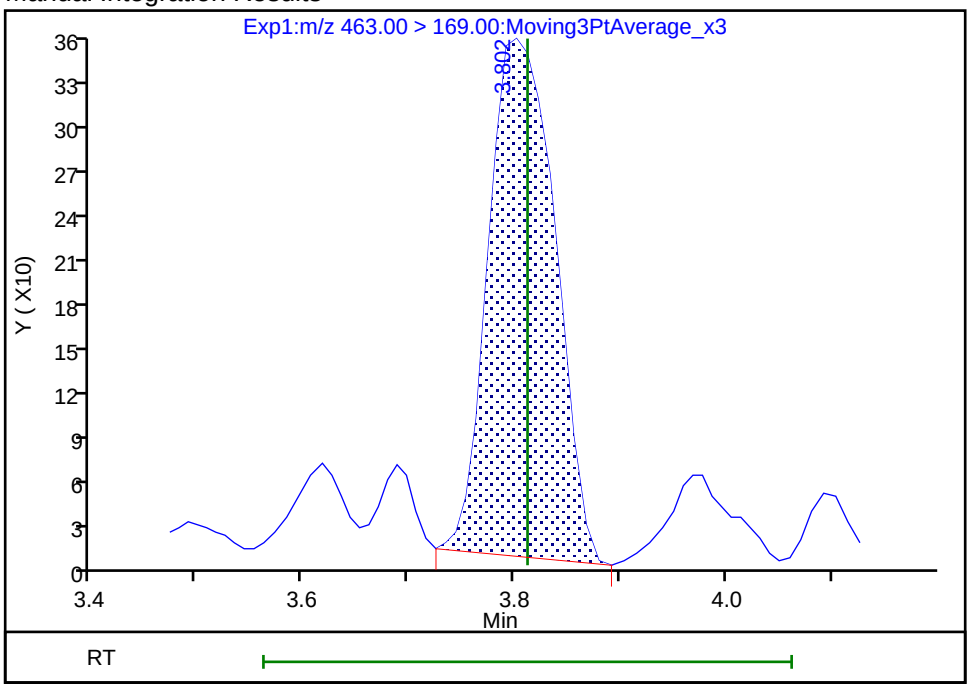
Not Detected
Expected RT: 3.81

Processing Integration Results



Manual Integration Results

RT: 3.80
Area: 1513
Amount: 0.009330
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:53:48
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

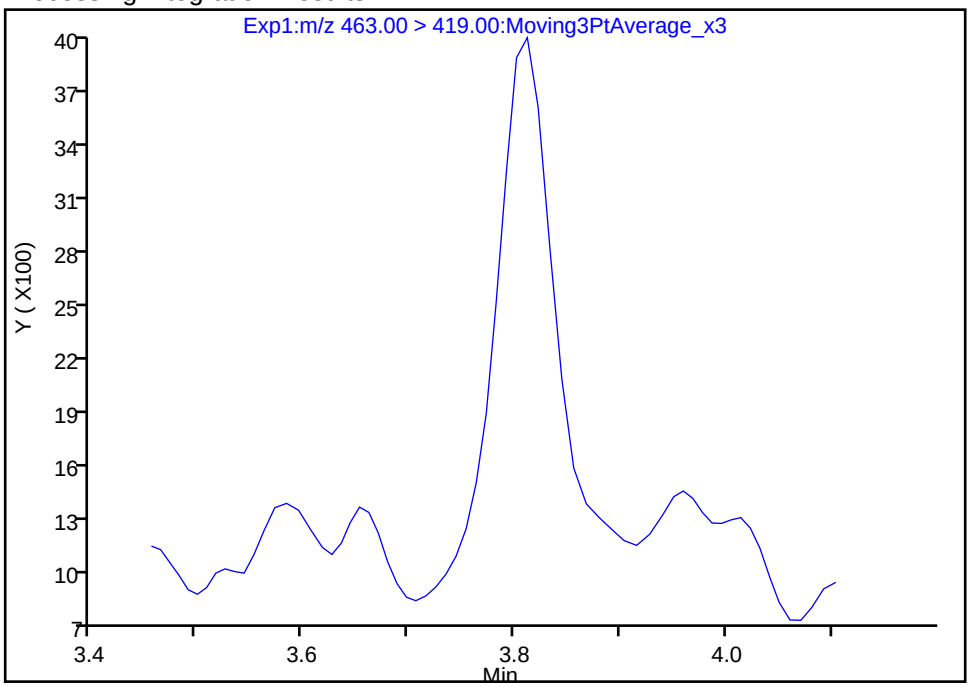
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B14.d				
Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

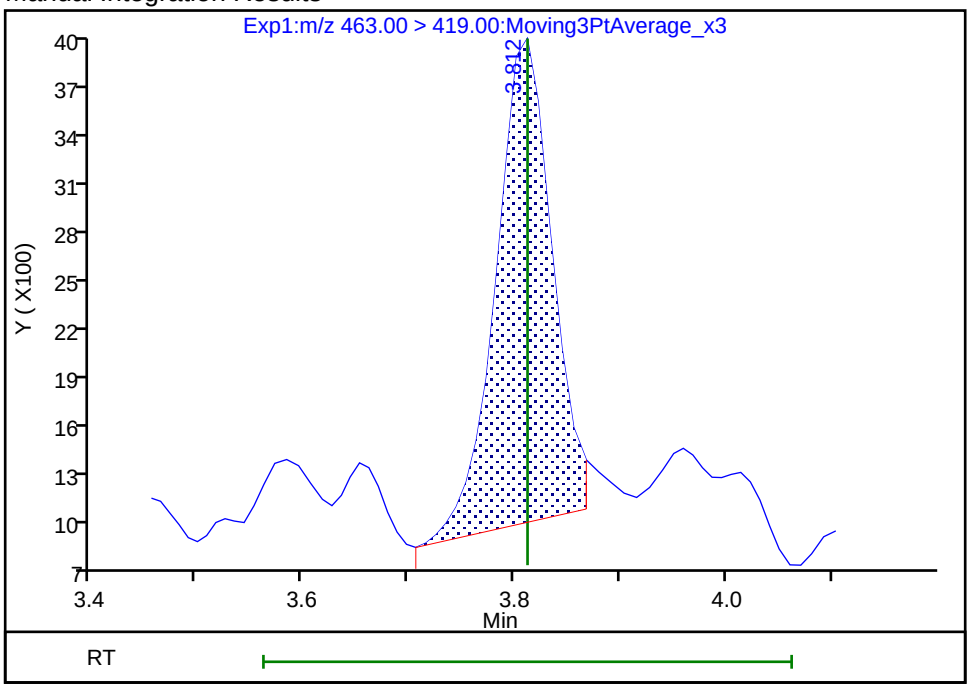
Not Detected
Expected RT: 3.81

Processing Integration Results



Manual Integration Results

RT: 3.81
Area: 10687
Amount: 0.009330
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:53:59
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

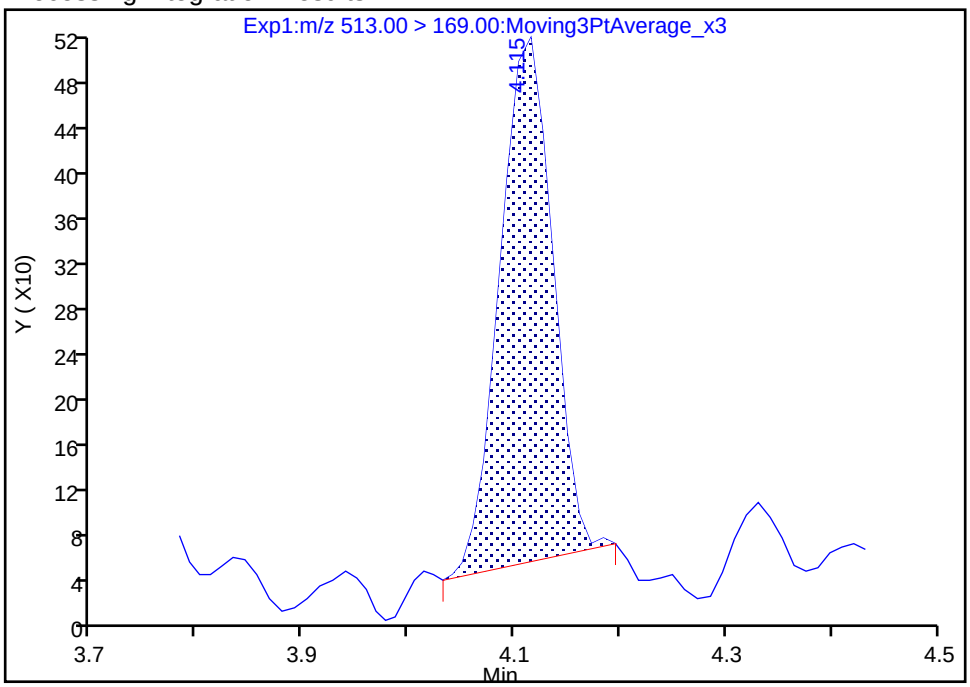
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B14.d				
Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

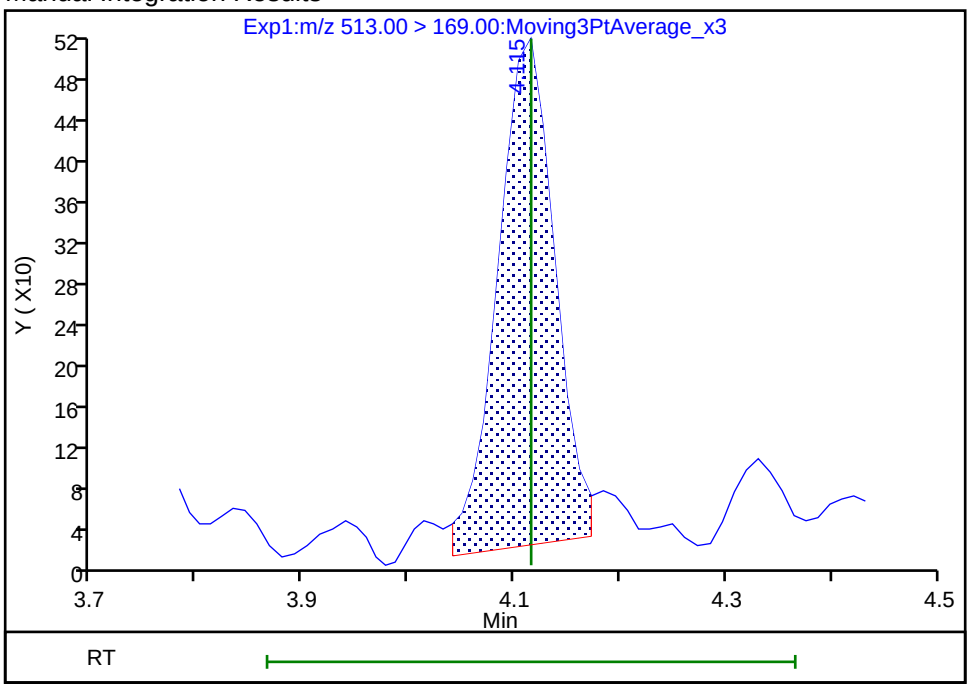
Processing Integration Results

RT: 4.12
Area: 1593
Amount: 0.011700
Amount Units: ng/ml



Manual Integration Results

RT: 4.12
Area: 1831
Amount: 0.012146
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:33:16

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

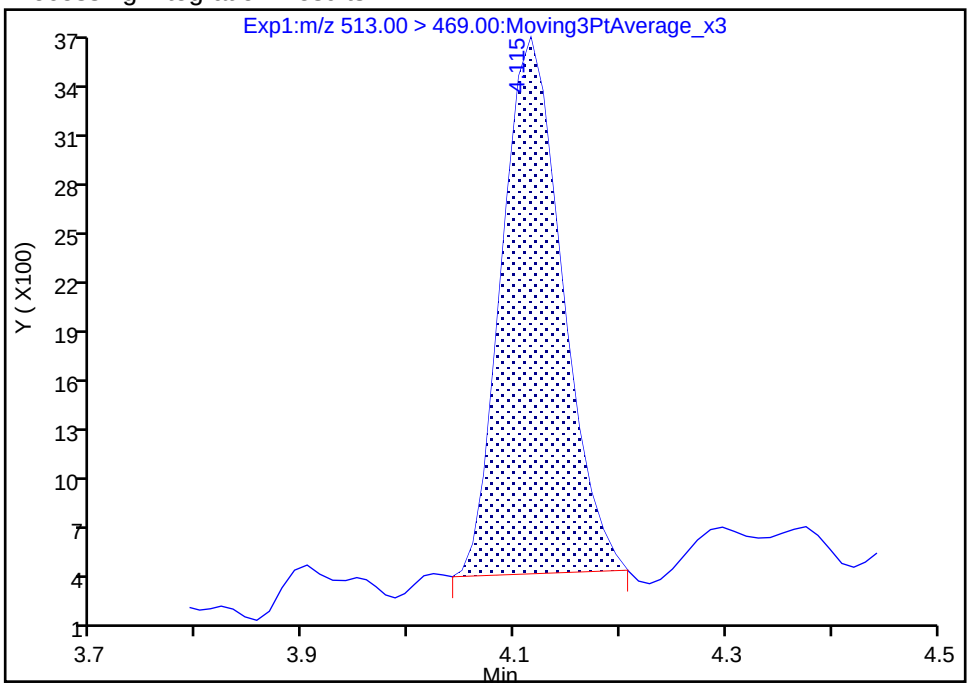
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B14.d				
Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

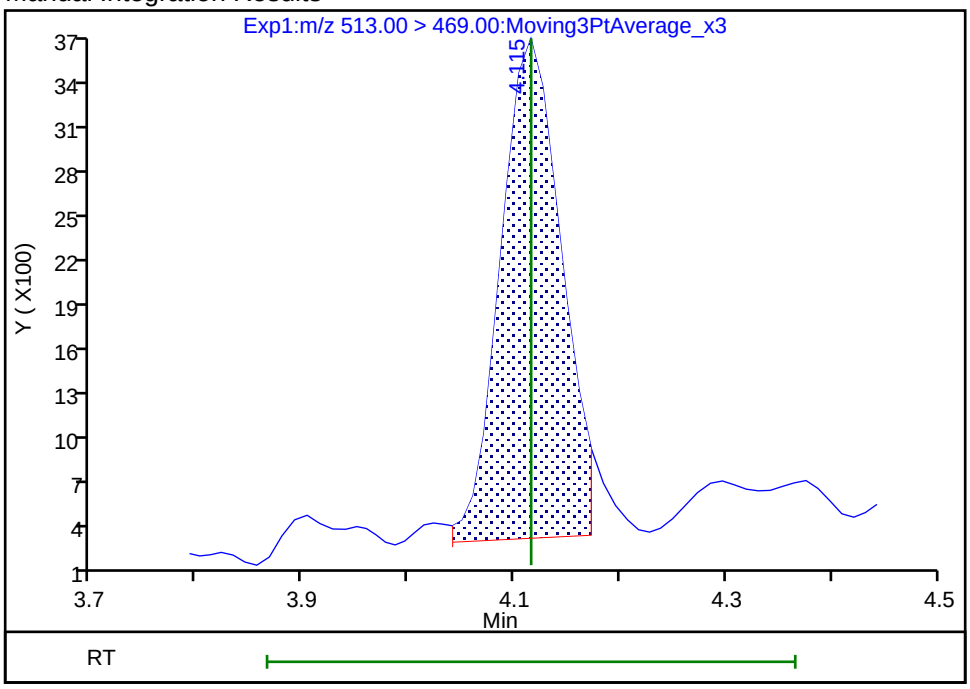
Processing Integration Results

RT: 4.12
Area: 12972
Amount: 0.011700
Amount Units: ng/ml



Manual Integration Results

RT: 4.12
Area: 13371
Amount: 0.012146
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:33:18
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

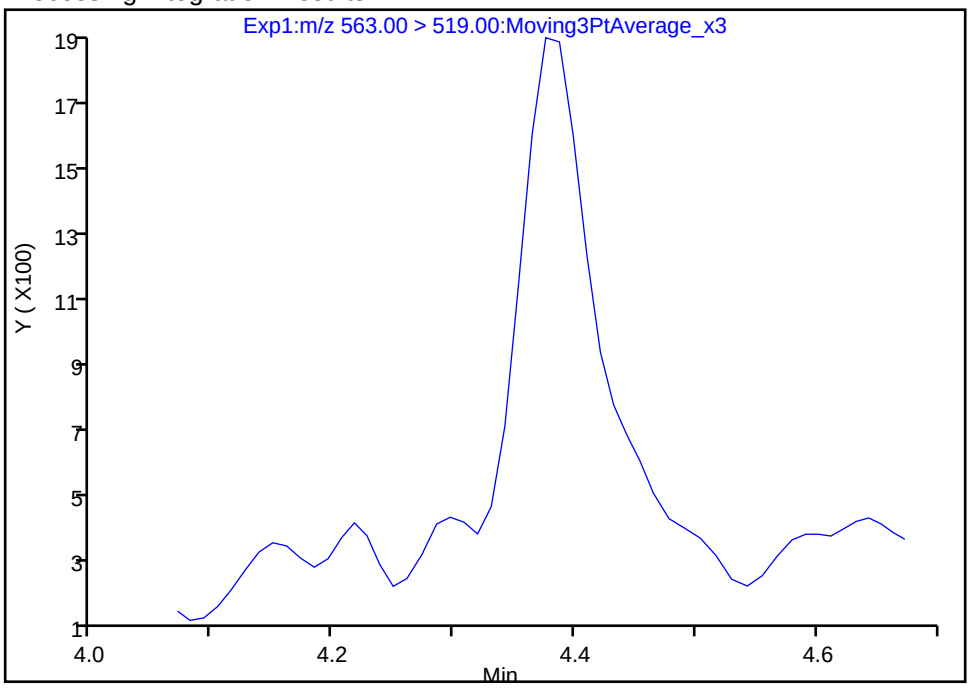
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B14.d				
Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

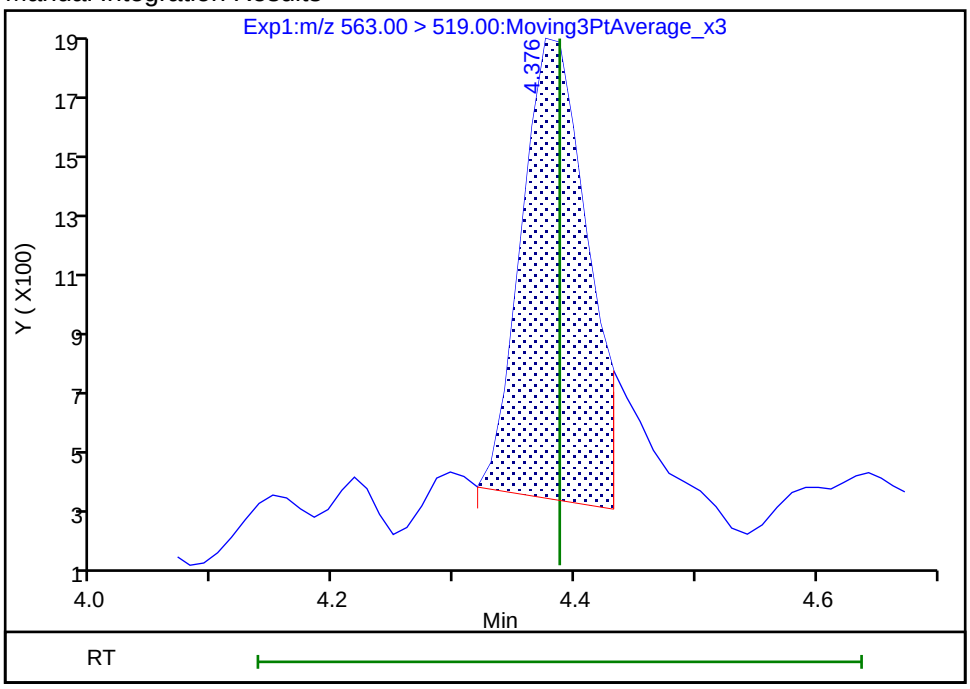
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.38
Area: 5385
Amount: 0.005933
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:55:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

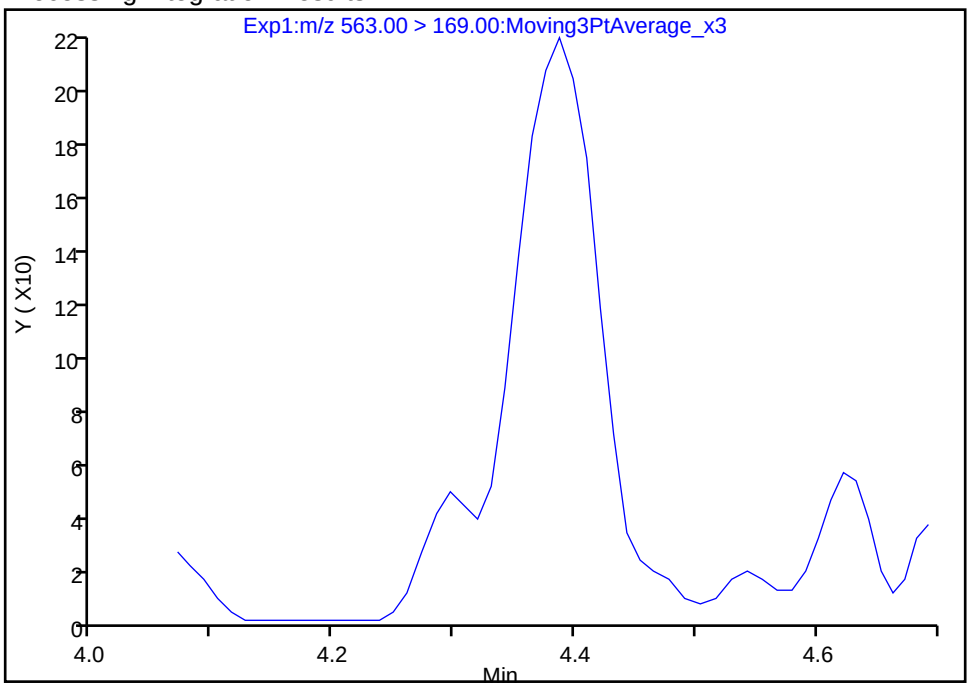
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B14.d				
Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

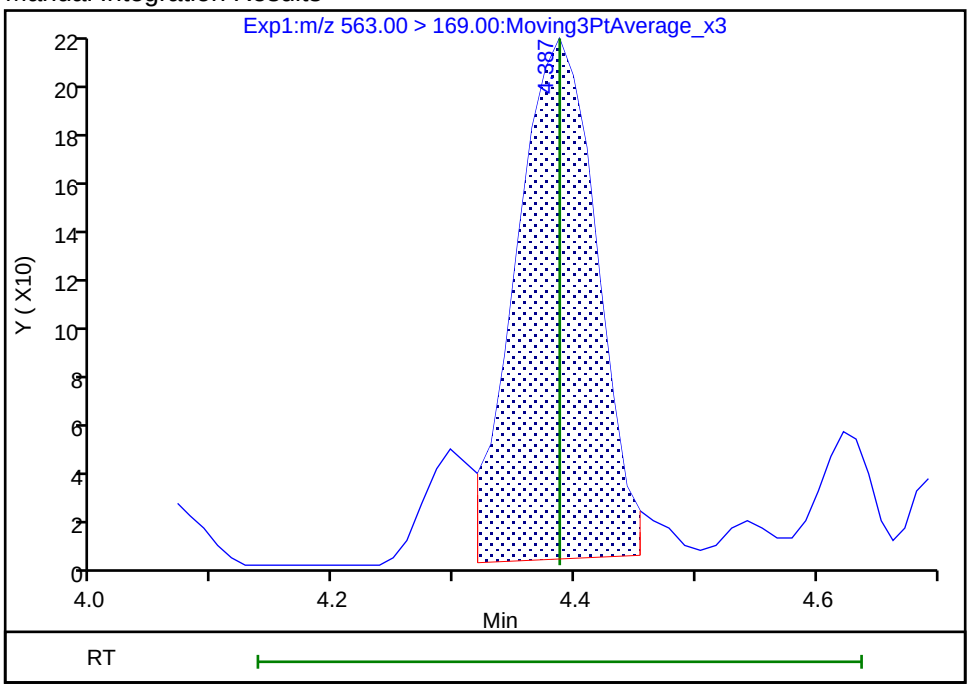
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.39
Area: 972
Amount: 0.005933
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:55:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

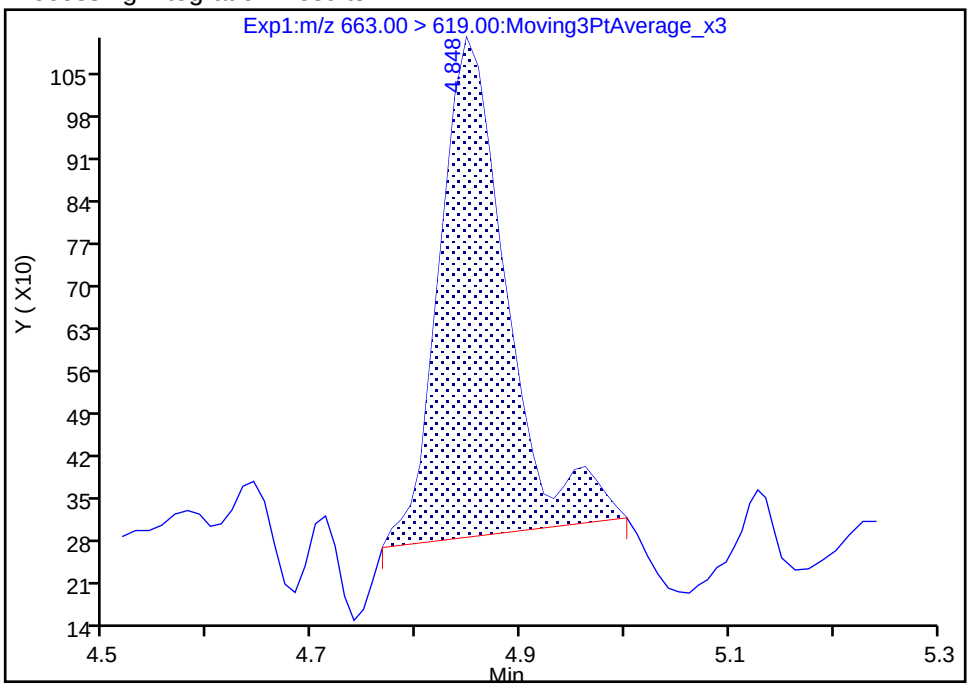
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B14.d				
Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

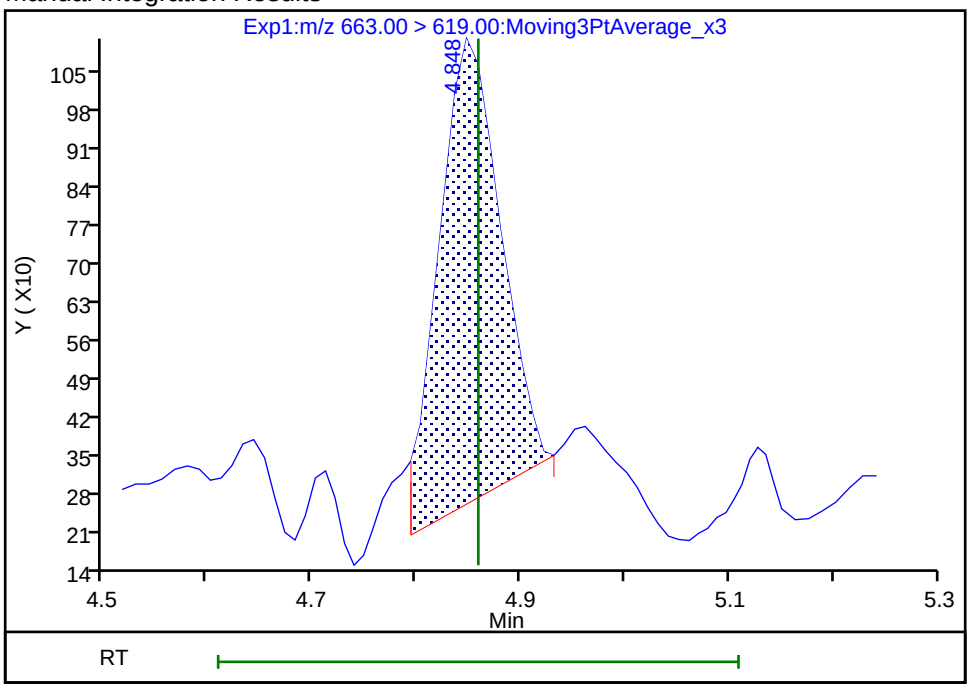
Processing Integration Results

RT: 4.85
Area: 3679
Amount: 0.004987
Amount Units: ng/ml



Manual Integration Results

RT: 4.85
Area: 3485
Amount: 0.004724
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:55:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

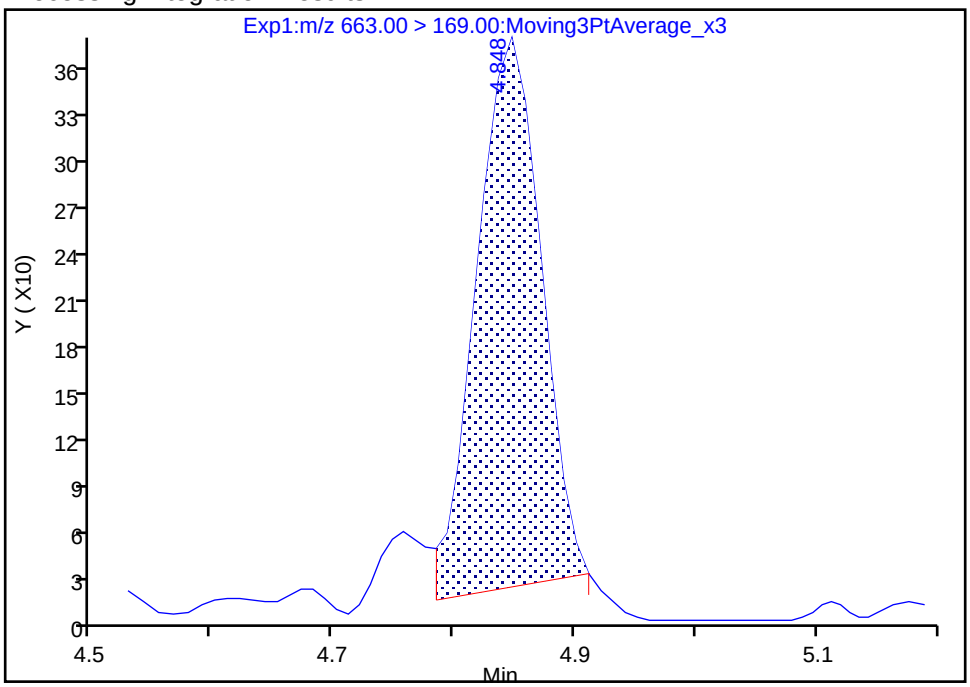
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B14.d				
Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

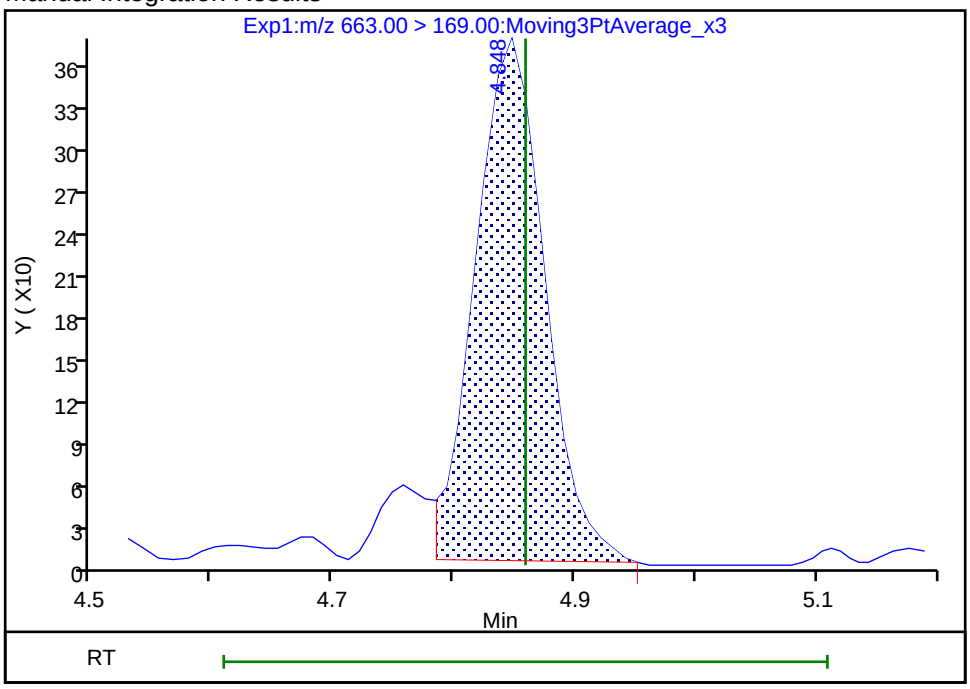
Processing Integration Results

RT: 4.85
Area: 1310
Amount: 0.004987
Amount Units: ng/ml



Manual Integration Results

RT: 4.85
Area: 1475
Amount: 0.004724
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:55:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

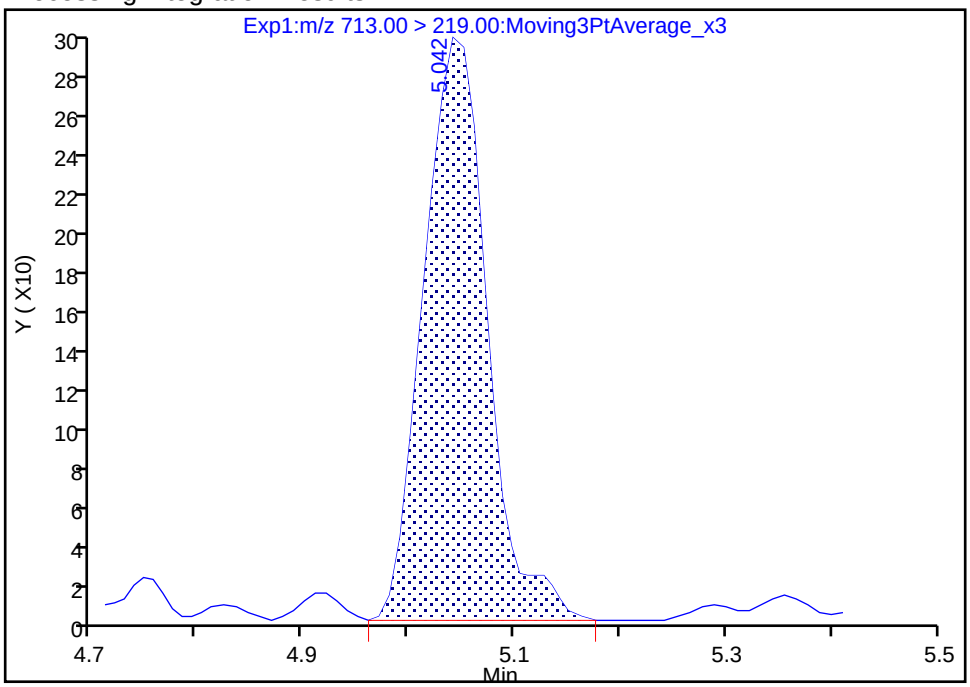
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B14.d				
Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

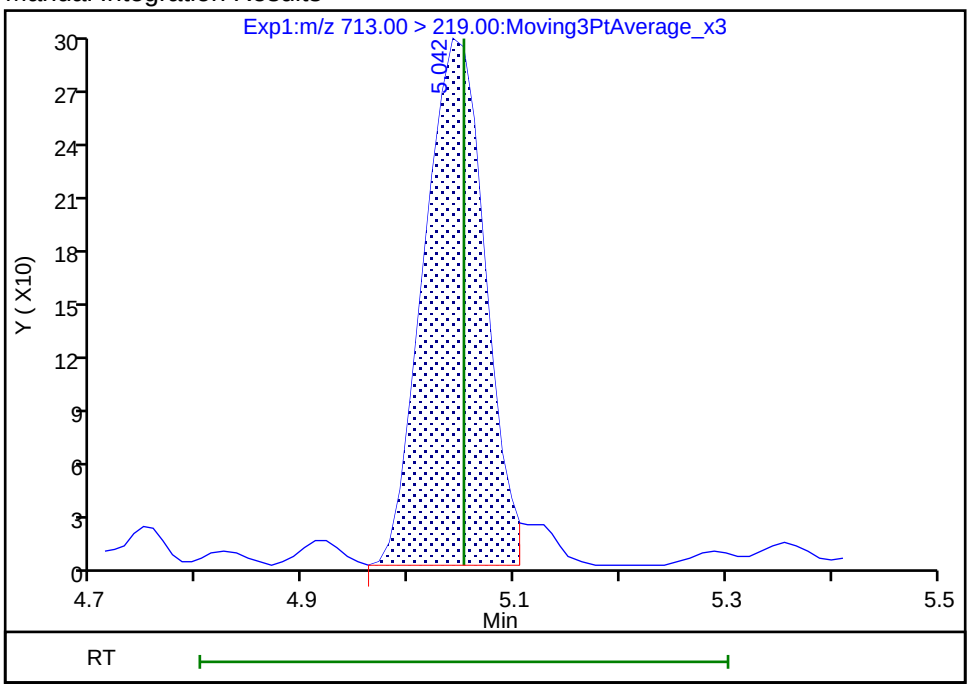
Processing Integration Results

RT: 5.04
Area: 1252
Amount: 0.002820
Amount Units: ng/ml



Manual Integration Results

RT: 5.04
Area: 1197
Amount: 0.005780
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:56:25

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

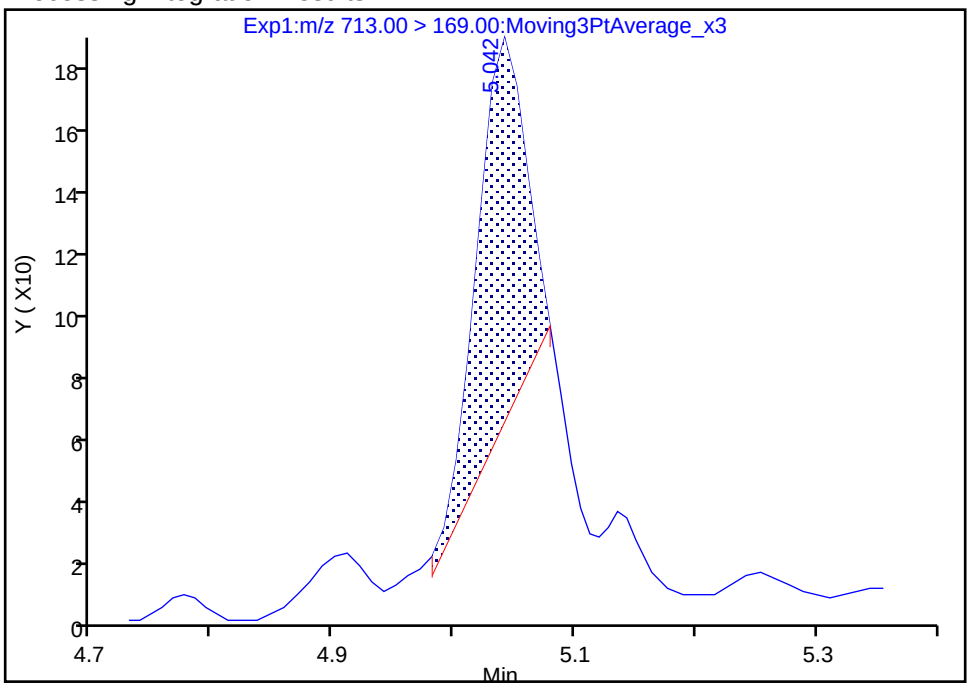
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B14.d				
Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

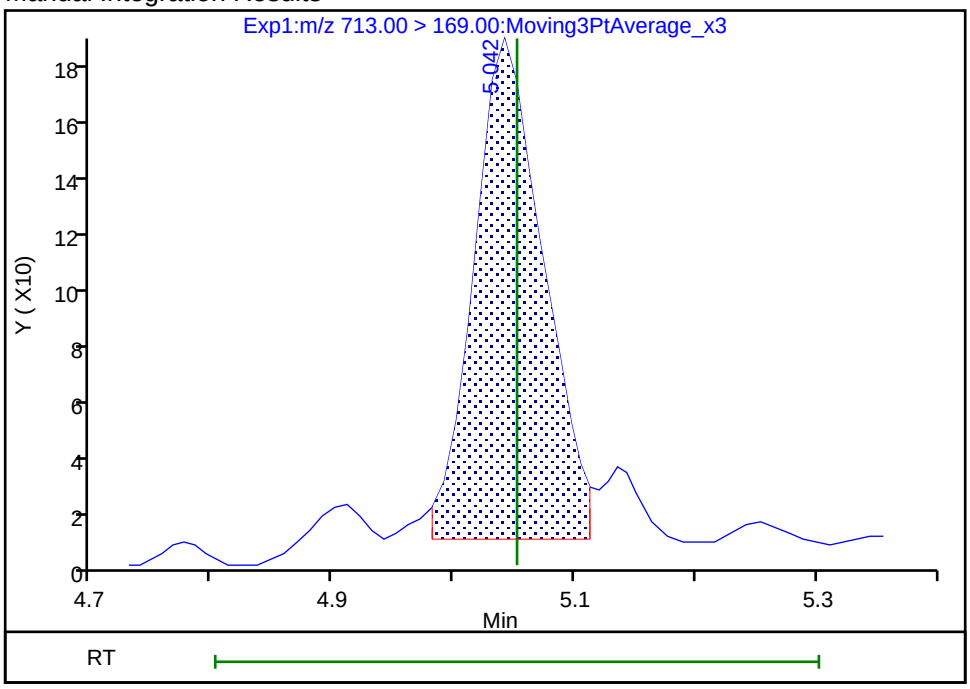
Processing Integration Results

RT: 5.04
Area: 340
Amount: 0.002820
Amount Units: ng/ml



Manual Integration Results

RT: 5.04
Area: 689
Amount: 0.005780
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:56:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

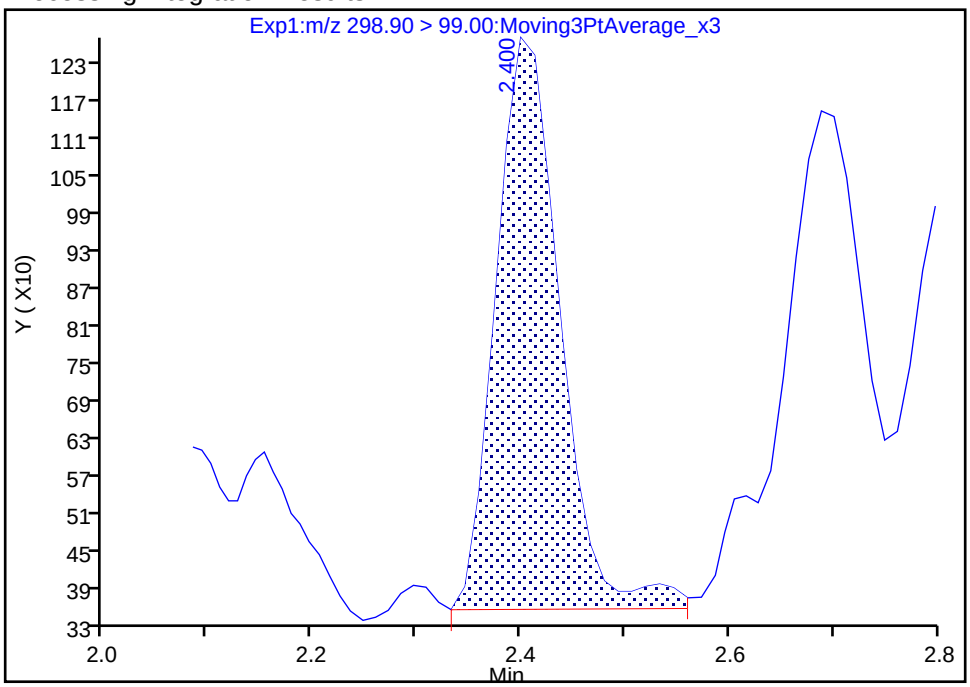
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B14.d				
Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

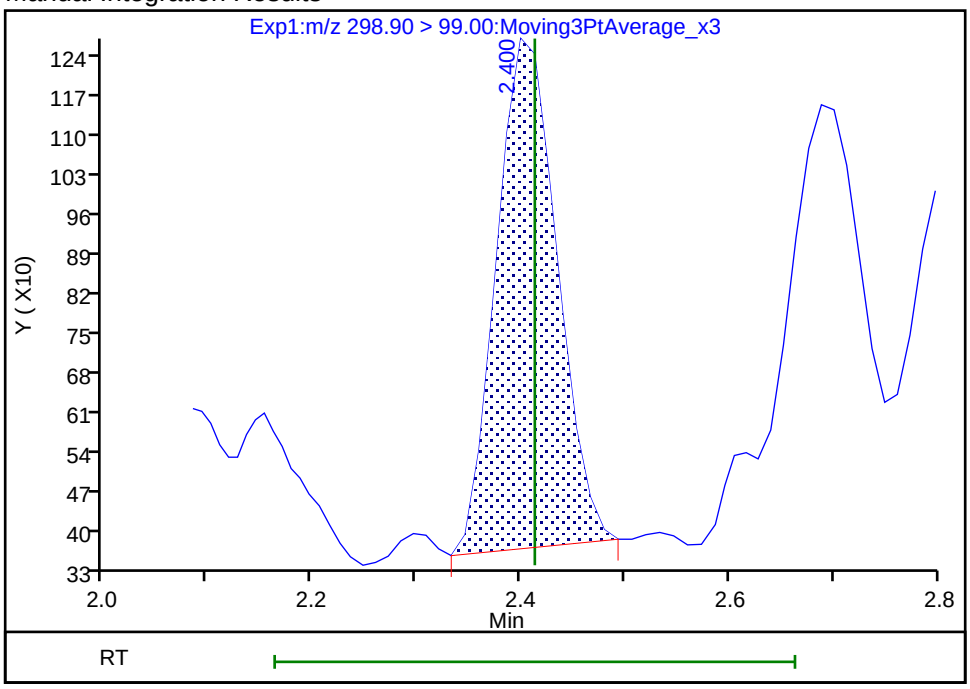
Processing Integration Results

RT: 2.40
Area: 3902
Amount: 0.008049
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 3643
Amount: 0.008030
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:50:55

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

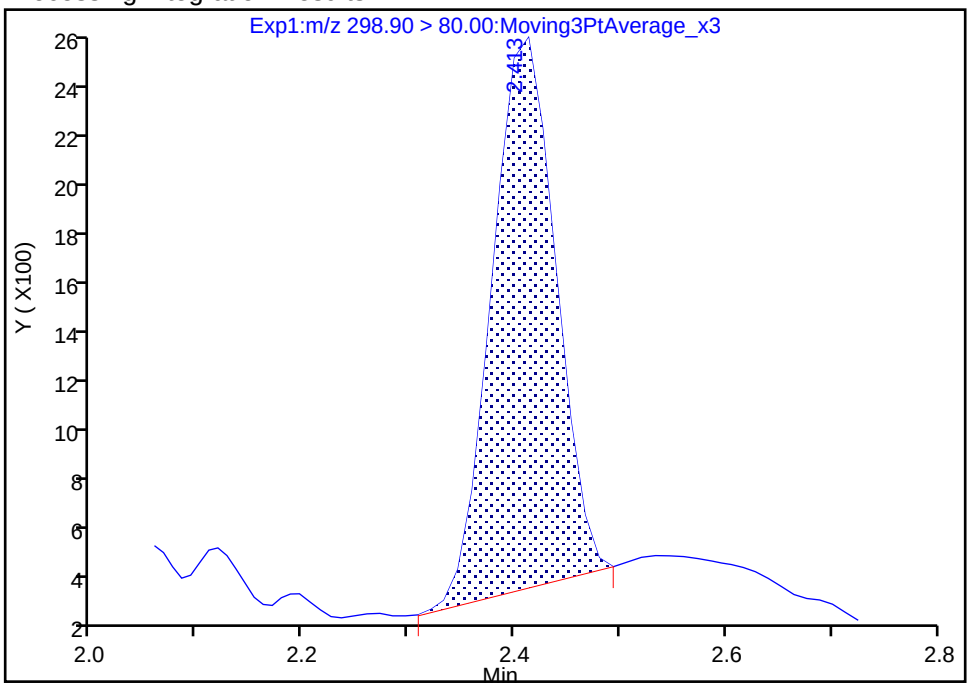
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B14.d				
Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

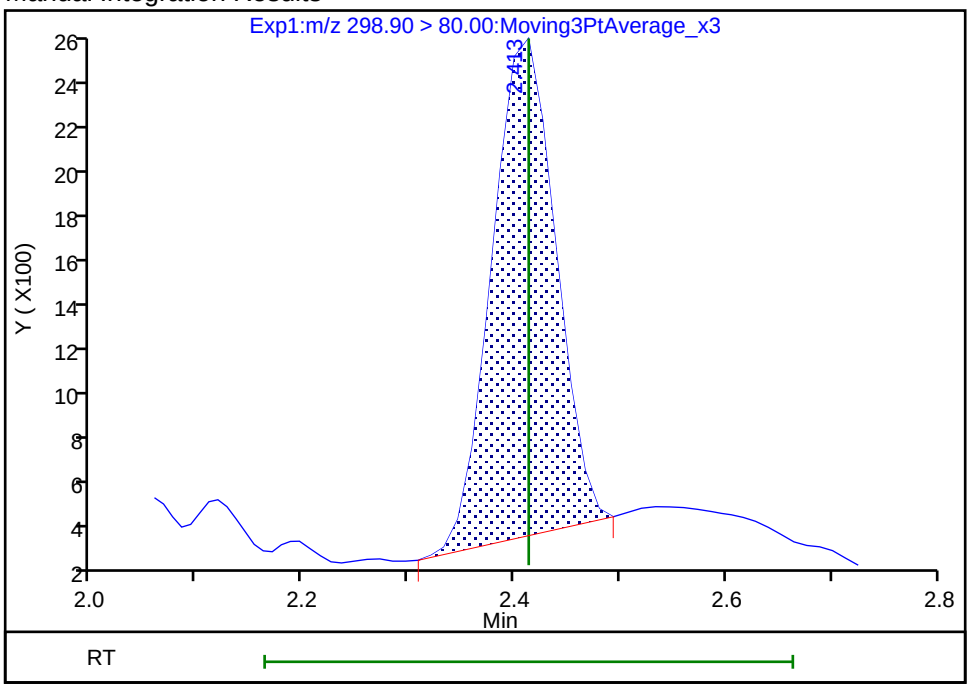
Processing Integration Results

RT: 2.41
Area: 9356
Amount: 0.008049
Amount Units: ng/ml



Manual Integration Results

RT: 2.41
Area: 9334
Amount: 0.008030
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:50:59
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

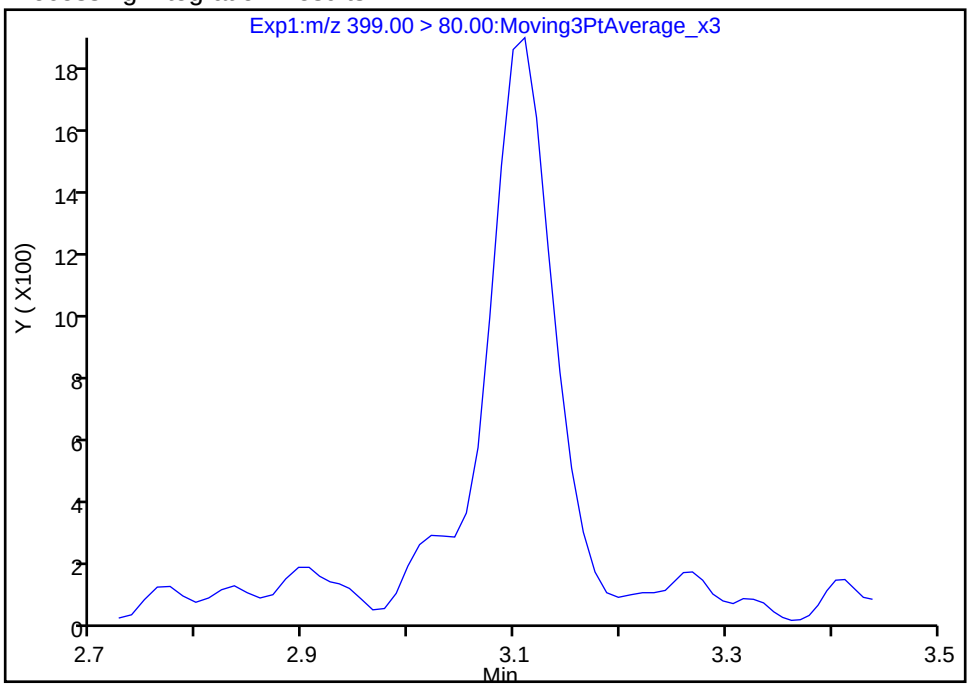
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Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

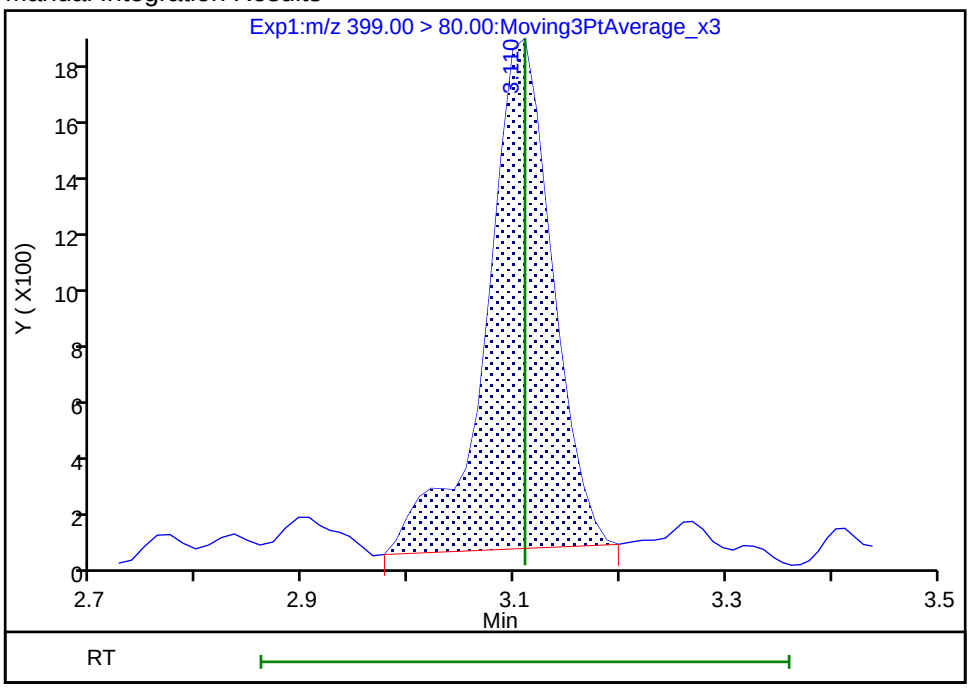
Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results

RT: 3.11
Area: 7478
Amount: 0.009465
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:51:27
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

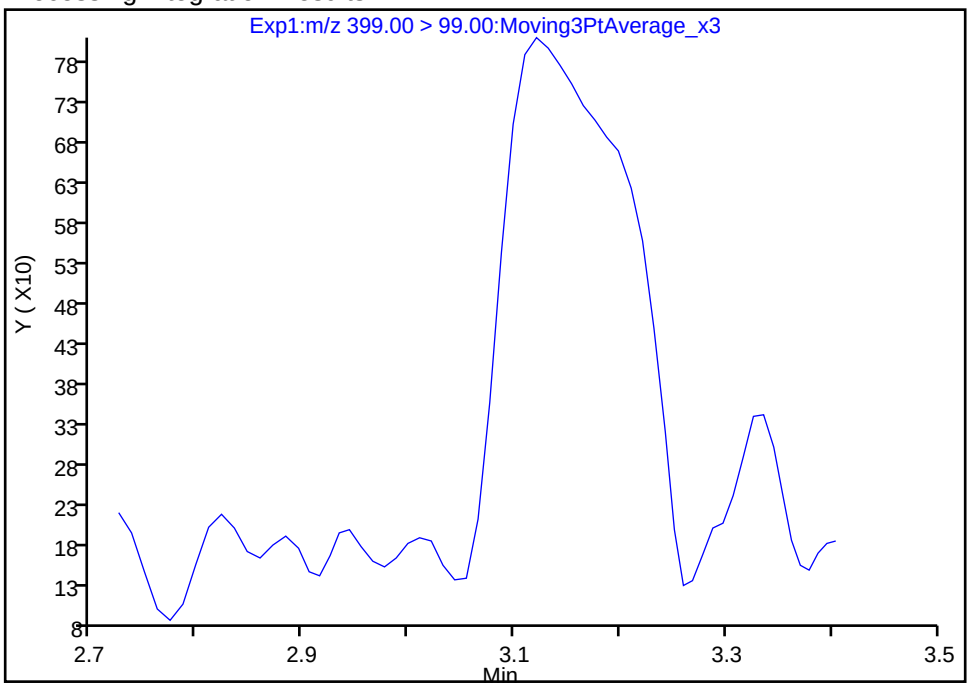
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Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

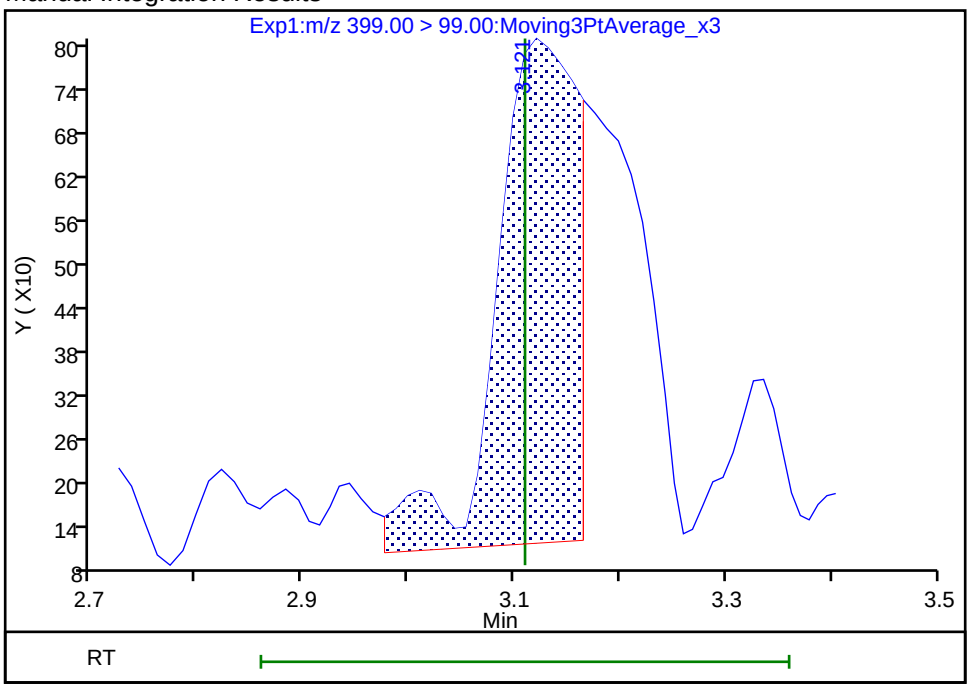
Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results

RT: 3.12
Area: 3584
Amount: 0.009465
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:52:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

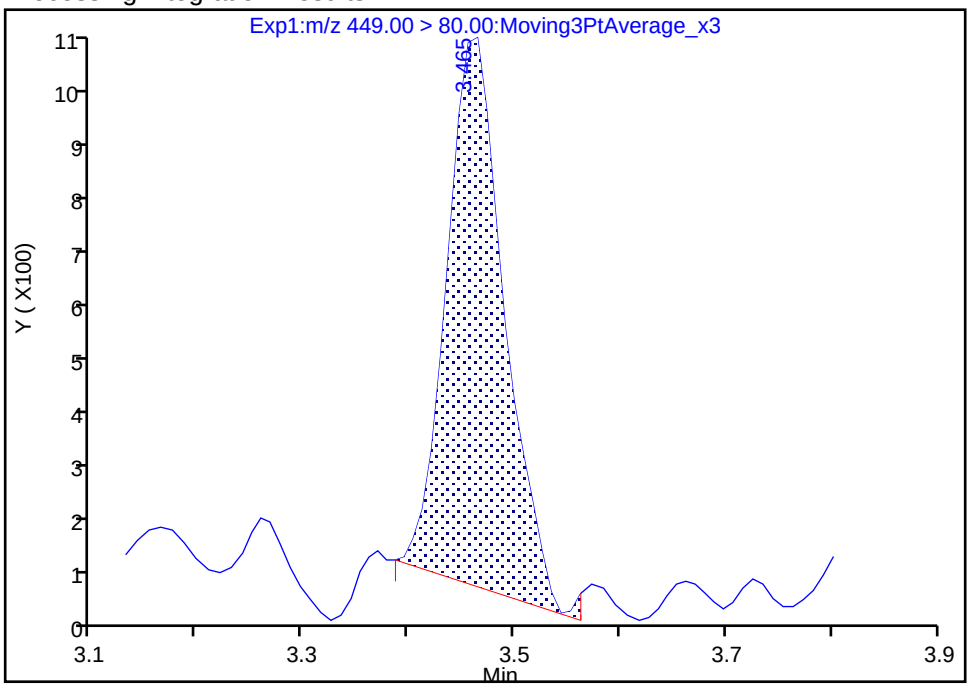
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Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

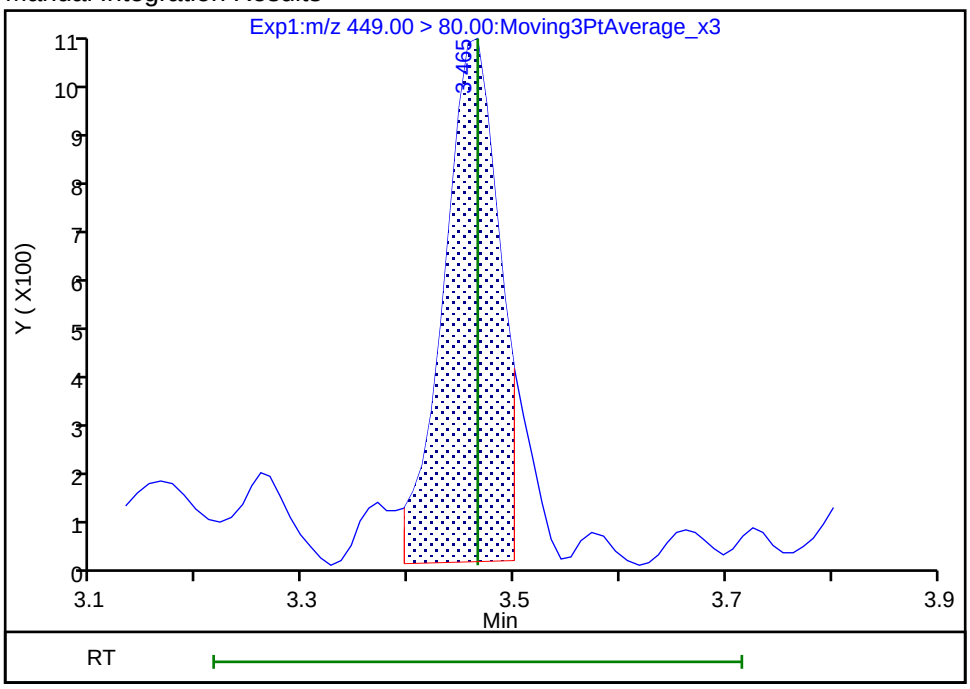
Processing Integration Results

RT: 3.46
Area: 3636
Amount: 0.005451
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 3621
Amount: 0.005428
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:52:49

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

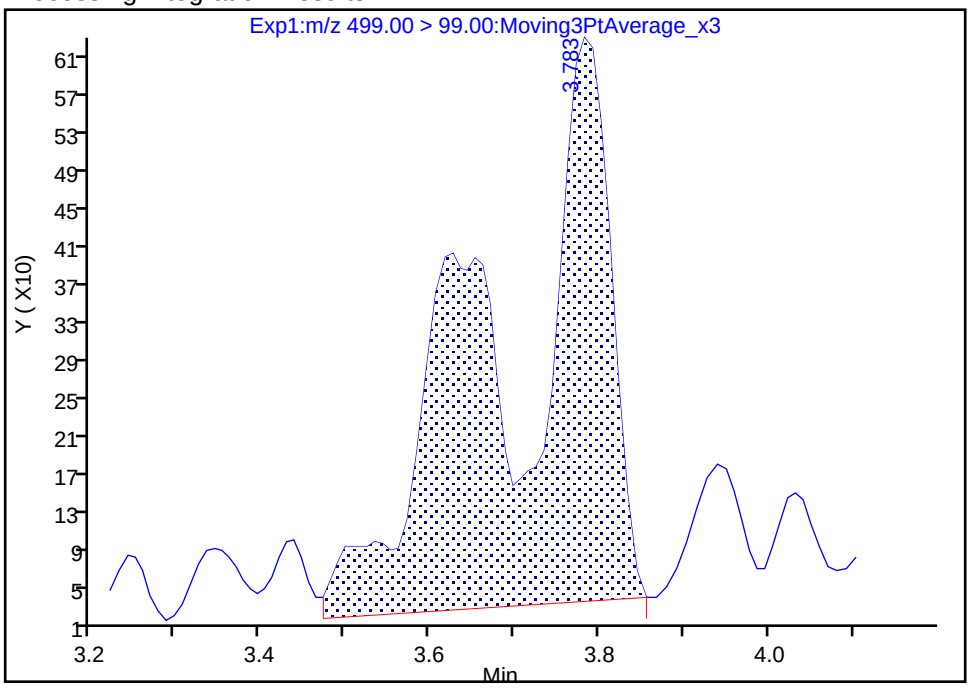
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Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

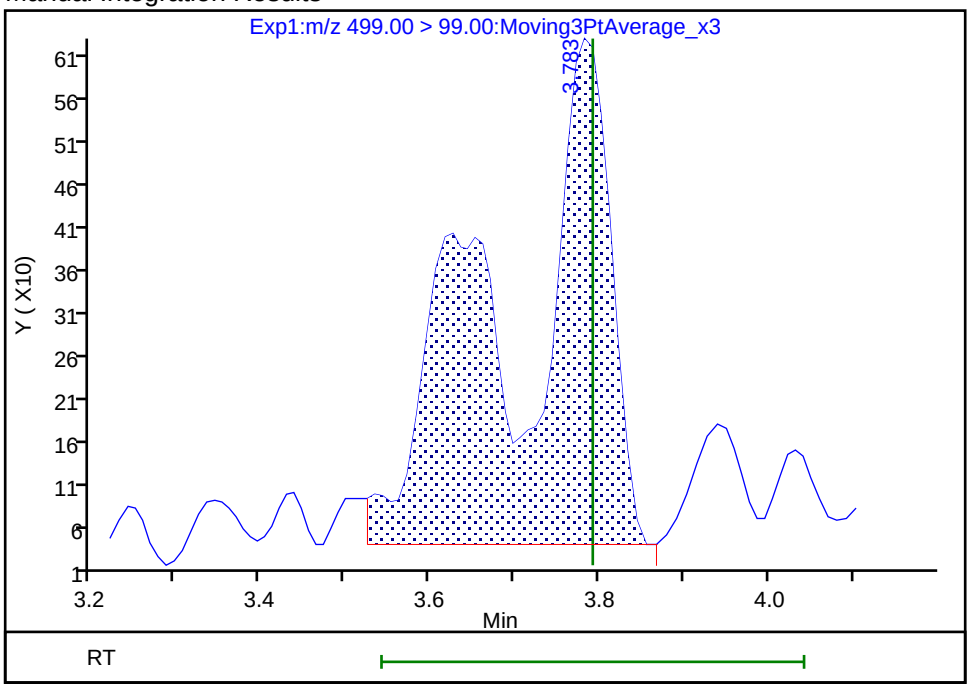
Processing Integration Results

RT: 3.78
Area: 5243
Amount: 0.025593
Amount Units: ng/ml



Manual Integration Results

RT: 3.78
Area: 4865
Amount: 0.011821
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:32:30

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

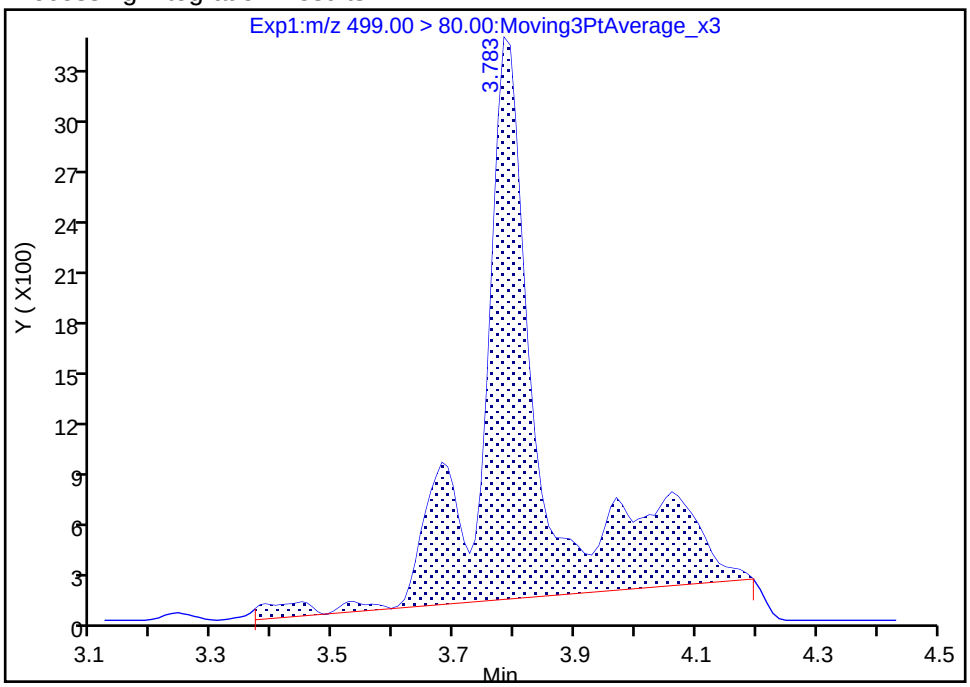
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B14.d				
Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

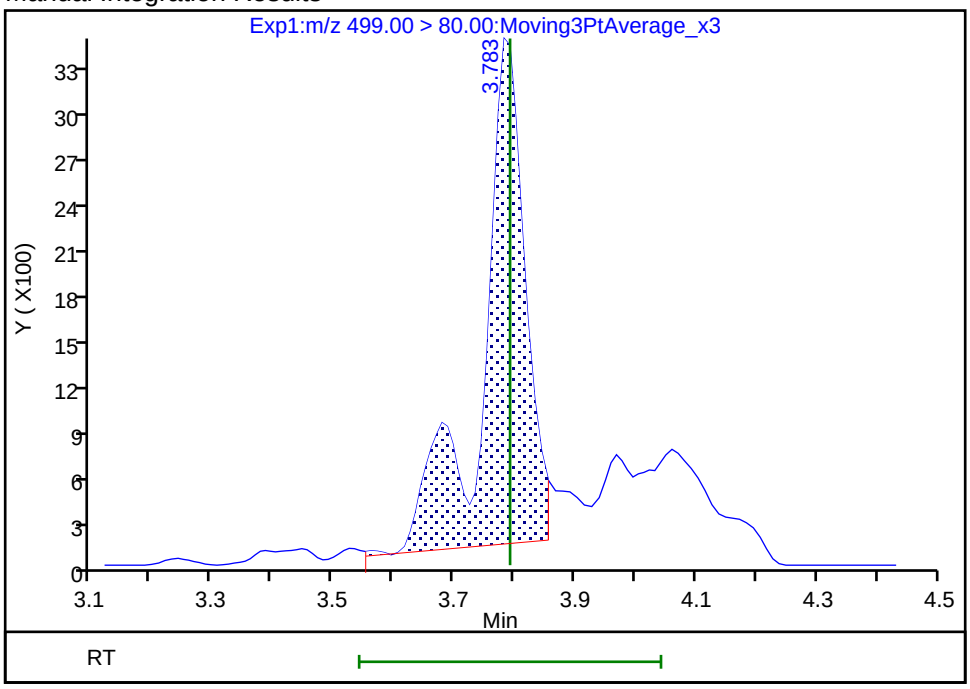
Processing Integration Results

RT: 3.78
Area: 23662
Amount: 0.025593
Amount Units: ng/ml



Manual Integration Results

RT: 3.78
Area: 16267
Amount: 0.011821
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:32:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

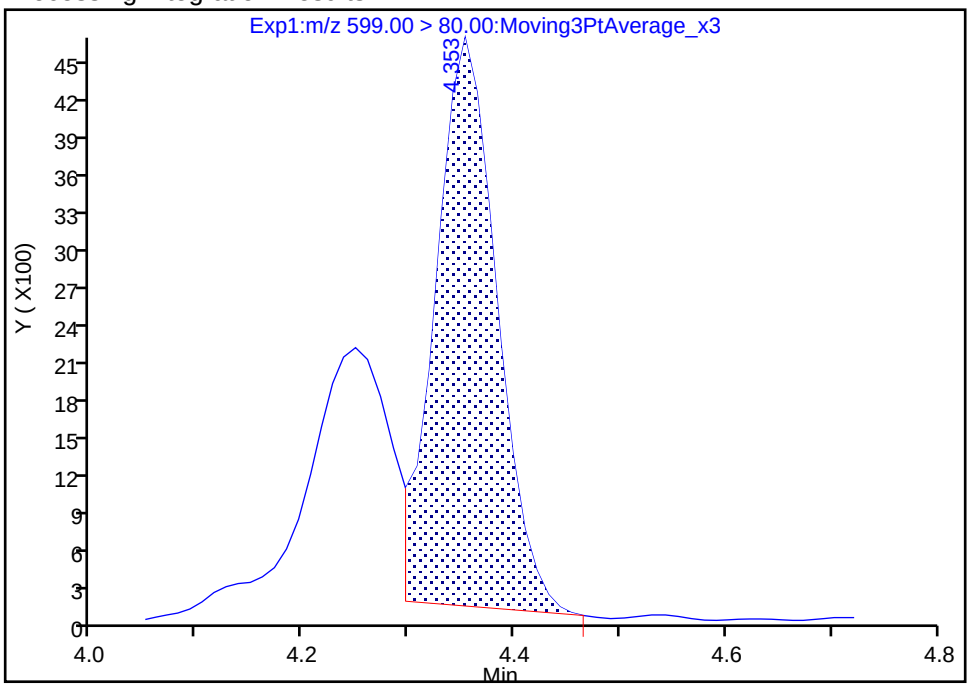
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Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

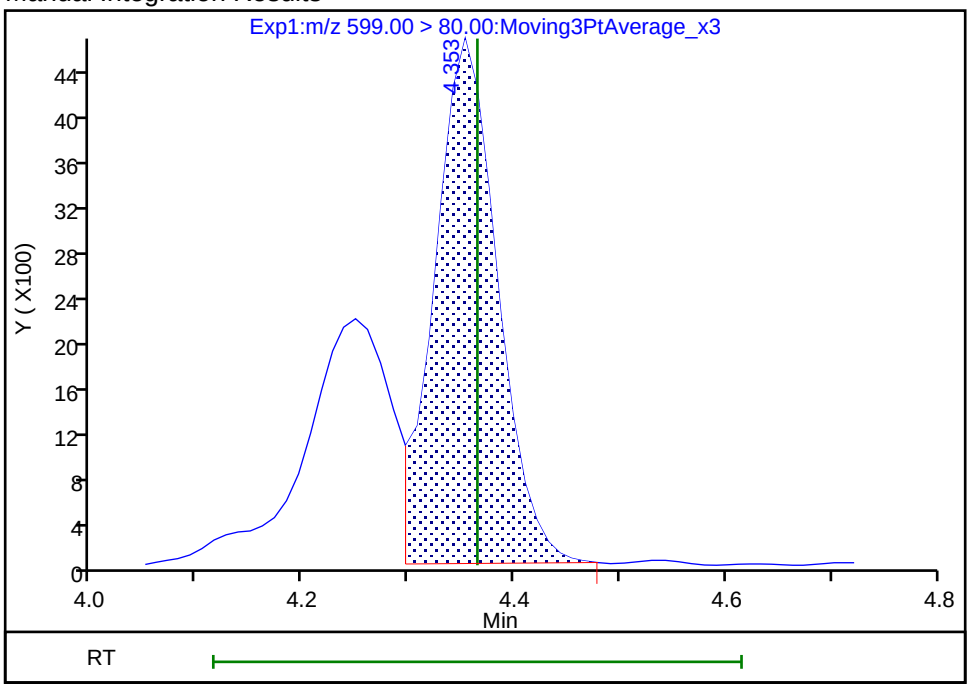
Processing Integration Results

RT: 4.35
Area: 18190
Amount: 0.057845
Amount Units: ng/ml



Manual Integration Results

RT: 4.35
Area: 18988
Amount: 0.060383
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:54:54
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

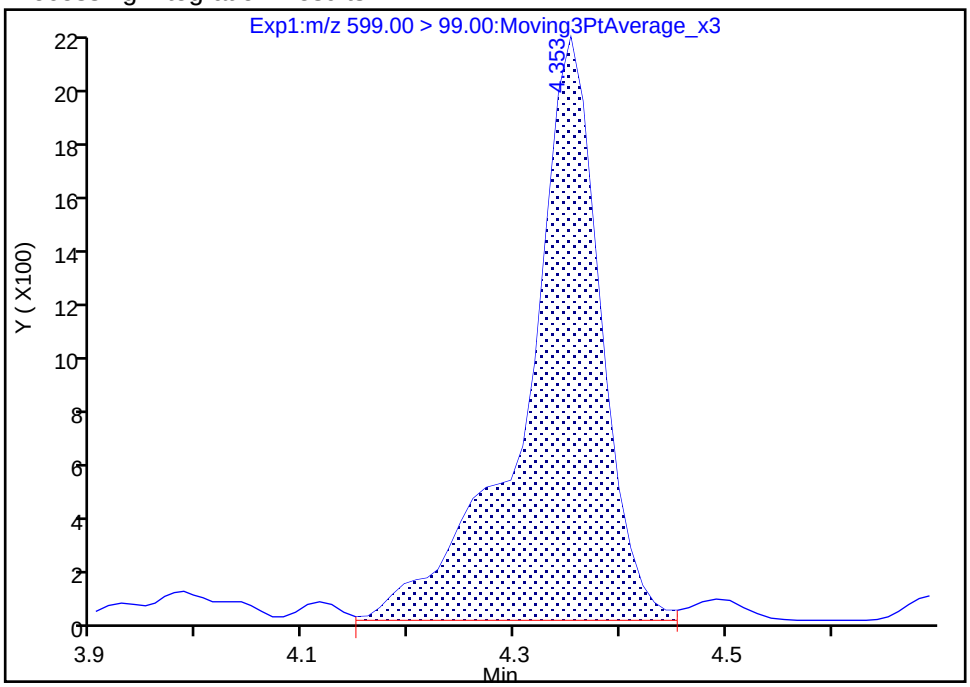
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Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

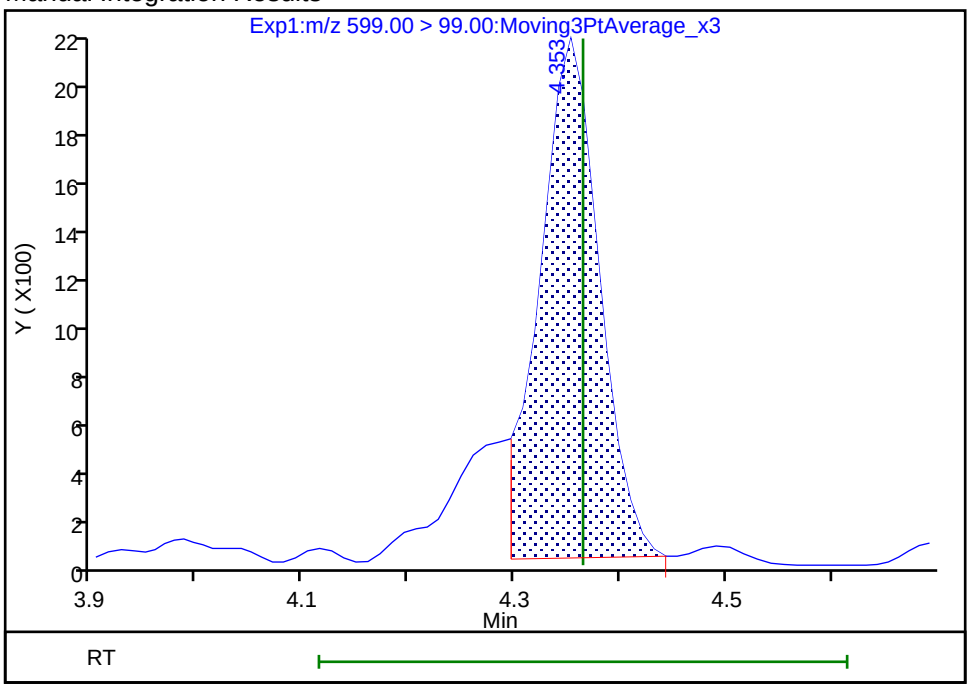
Processing Integration Results

RT: 4.35
Area: 10796
Amount: 0.057845
Amount Units: ng/ml



Manual Integration Results

RT: 4.35
Area: 8332
Amount: 0.060383
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:55:06

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

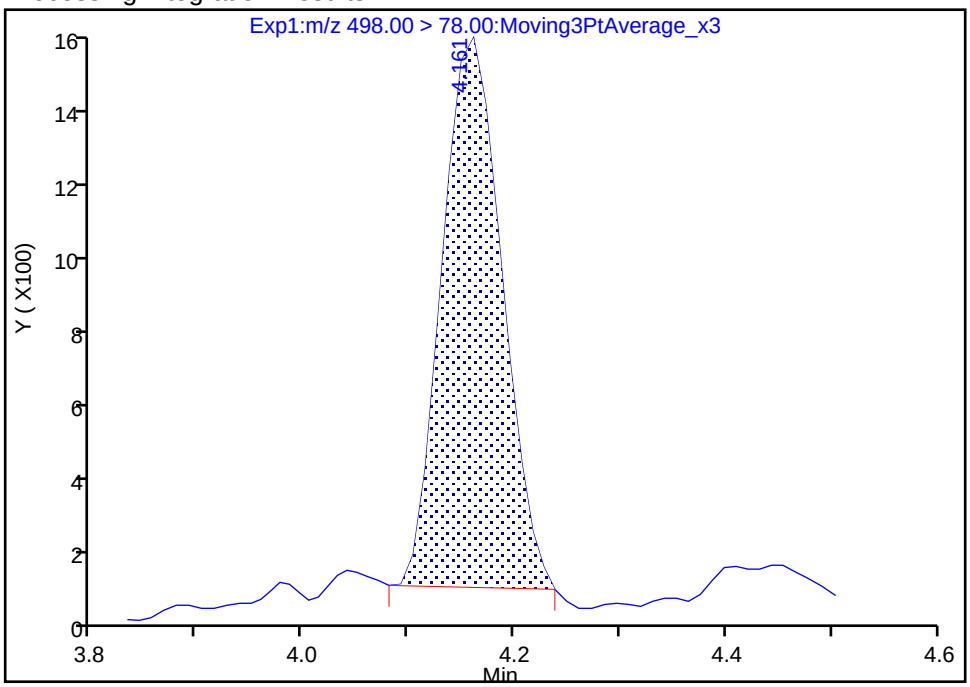
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B14.d				
Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

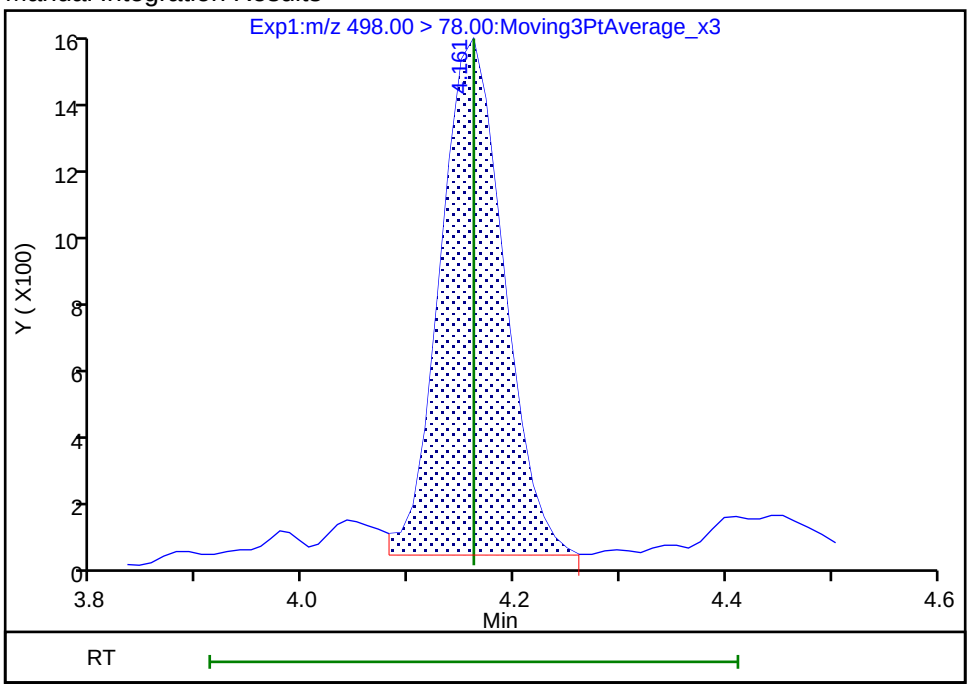
Processing Integration Results

RT: 4.16
Area: 5604
Amount: 0.006454
Amount Units: ng/ml



Manual Integration Results

RT: 4.16
Area: 6162
Amount: 0.007097
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:33:44

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

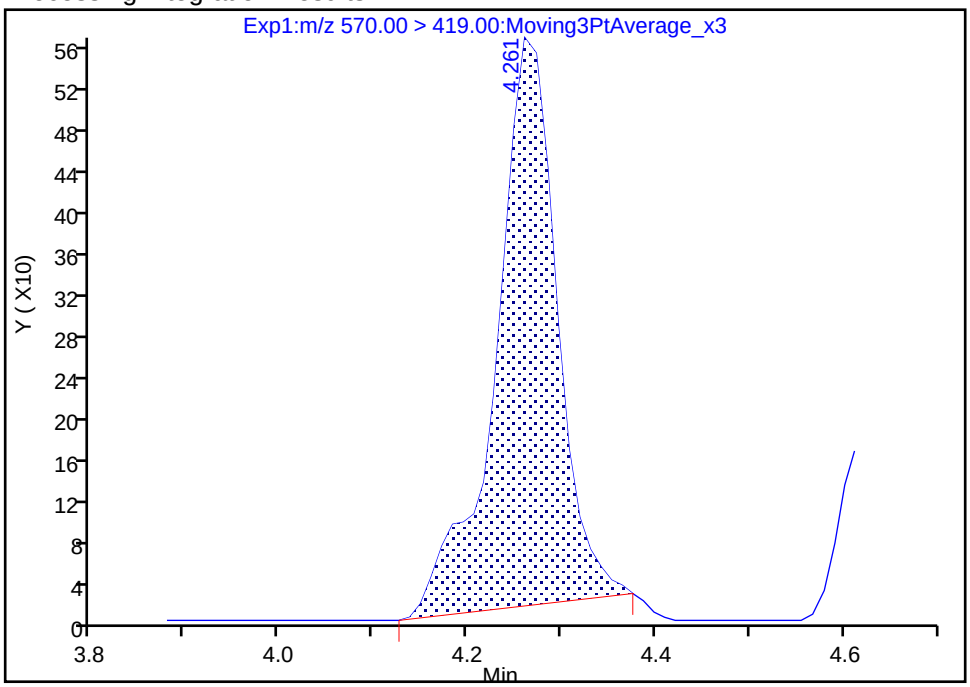
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Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

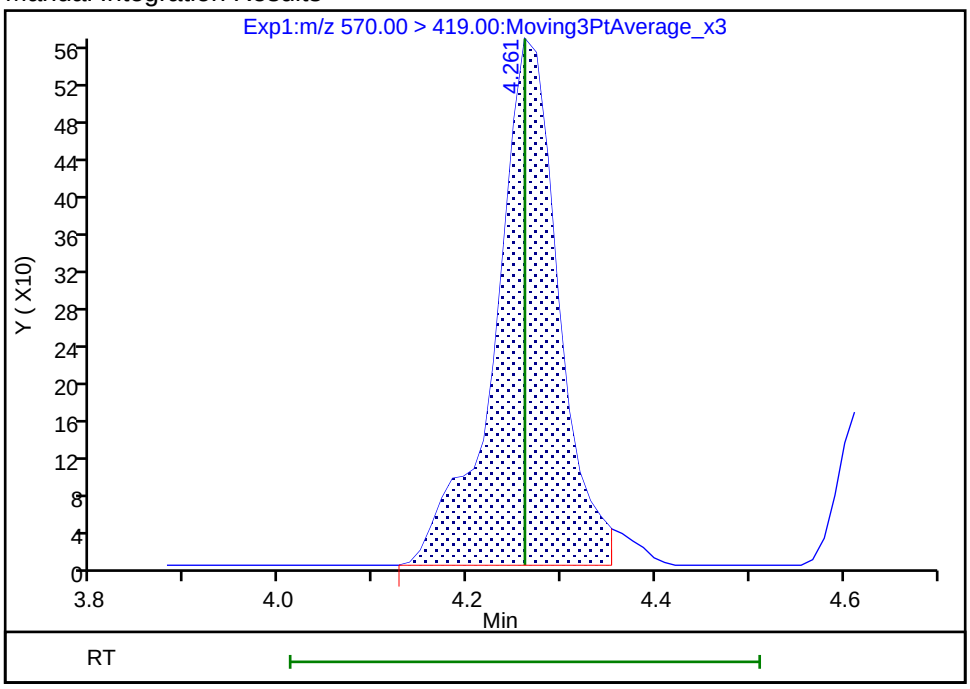
Processing Integration Results

RT: 4.26
Area: 2489
Amount: 0.023987
Amount Units: ng/ml



Manual Integration Results

RT: 4.26
Area: 2638
Amount: 0.025625
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:54:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

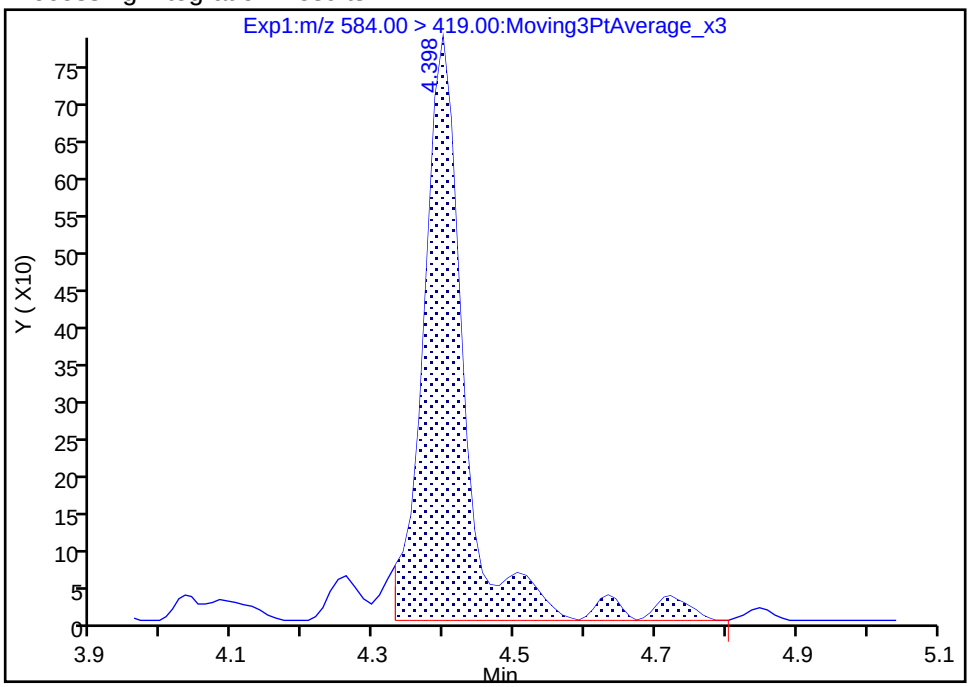
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Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

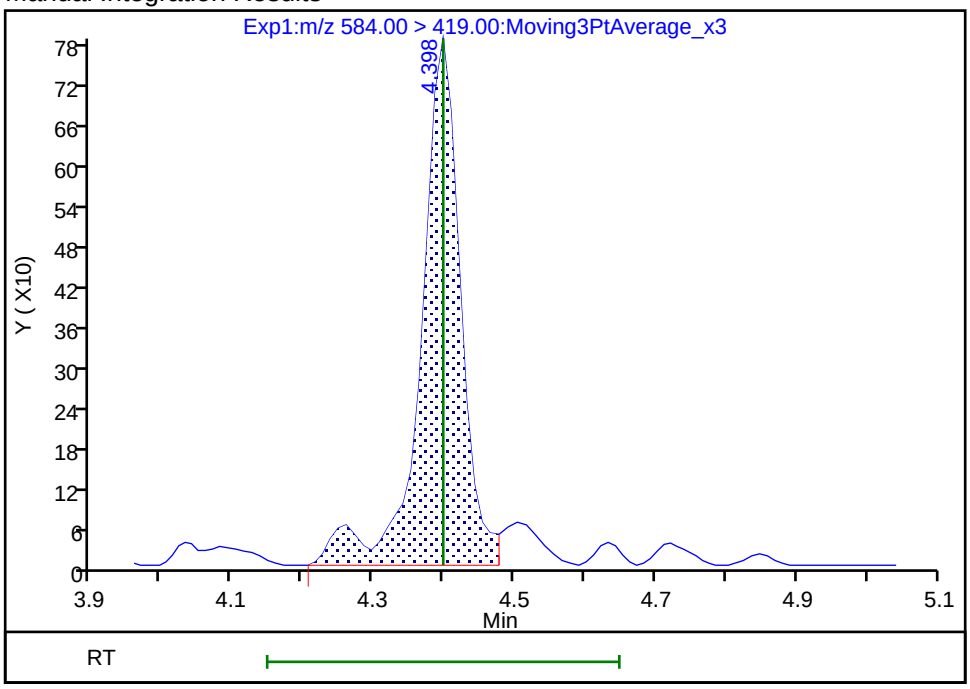
Processing Integration Results

RT: 4.40
Area: 3225
Amount: 0.030892
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 3073
Amount: 0.029436
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:55:38
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

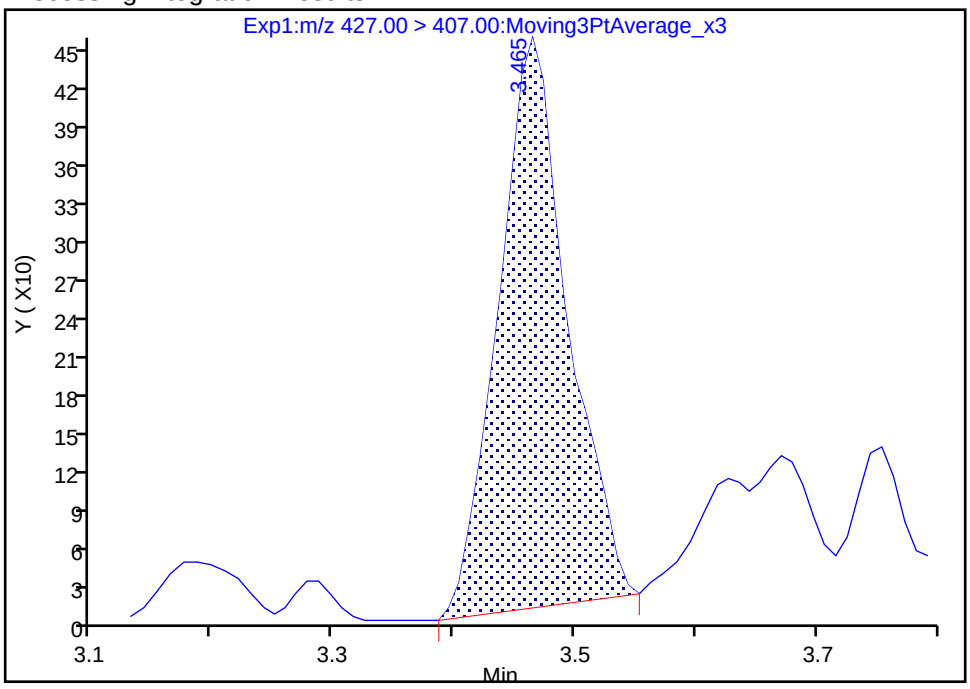
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Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

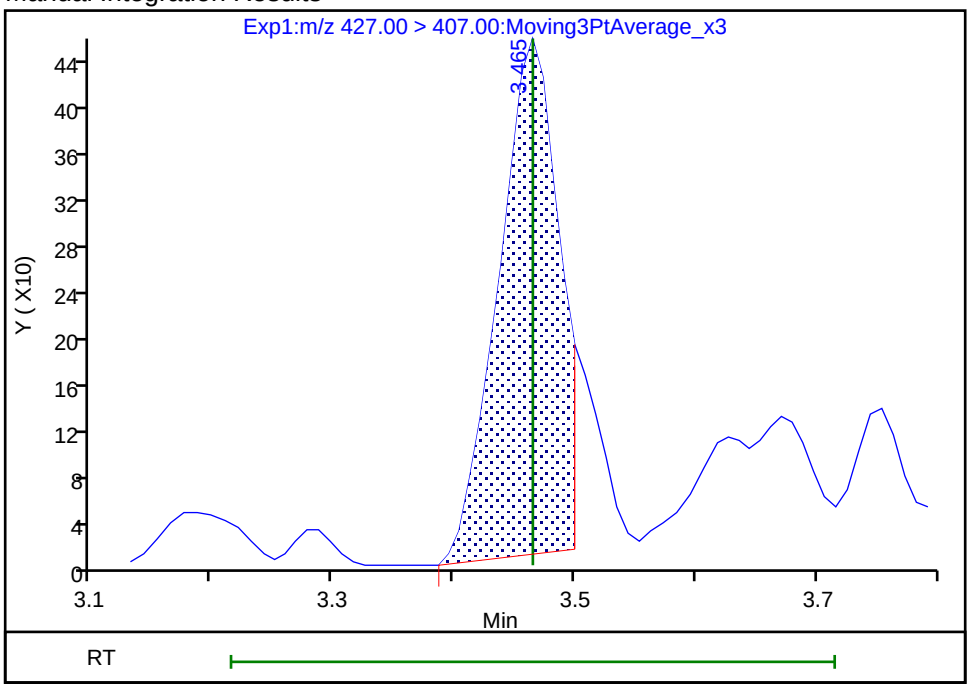
Processing Integration Results

RT: 3.46
Area: 1791
Amount: -0.005917
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 1544
Amount: -0.007419
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:52:31

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

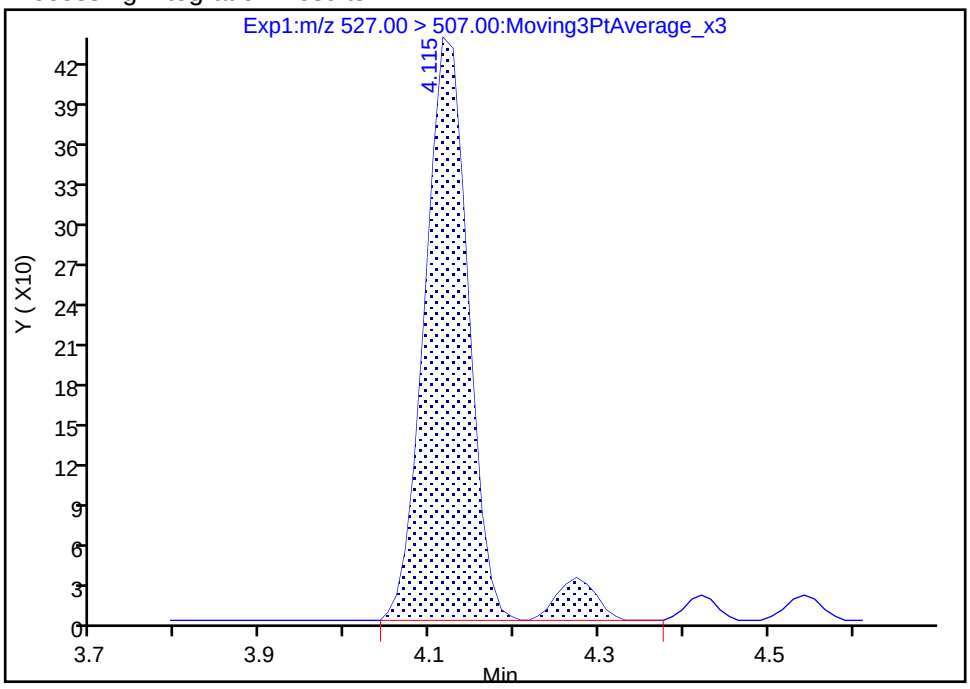
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B14.d				
Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

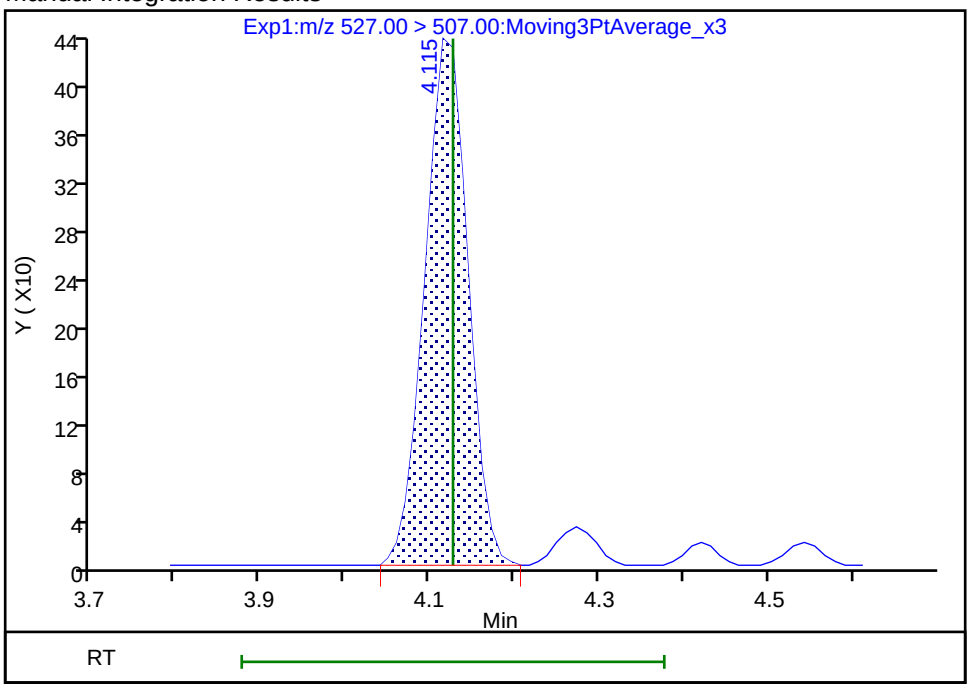
Processing Integration Results

RT: 4.12
Area: 1652
Amount: 0.012044
Amount Units: ng/ml



Manual Integration Results

RT: 4.12
Area: 1550
Amount: 0.011300
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:54:30

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

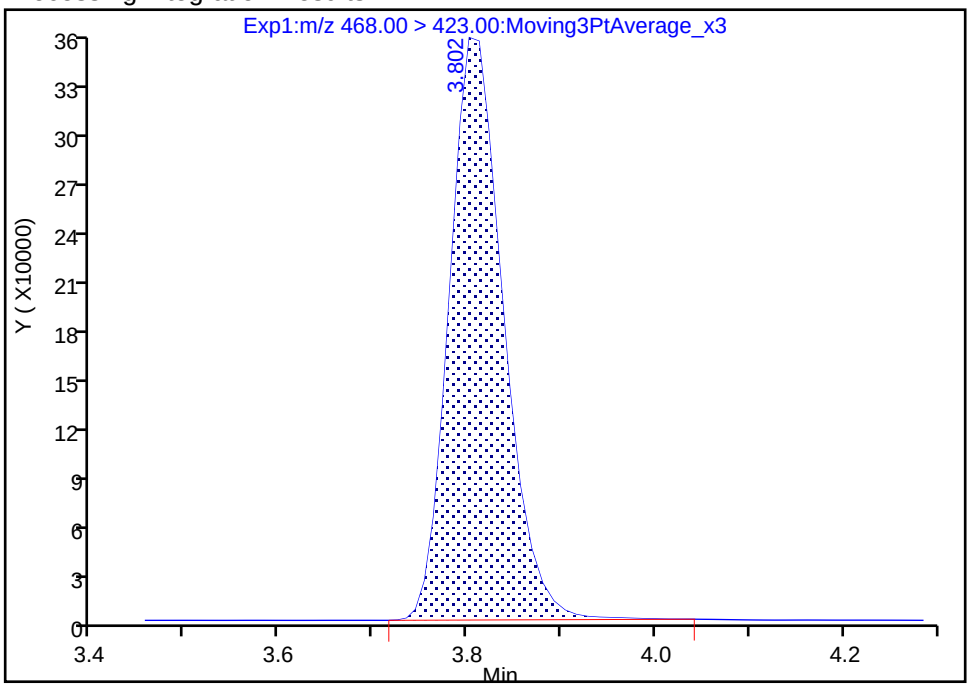
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B14.d				
Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

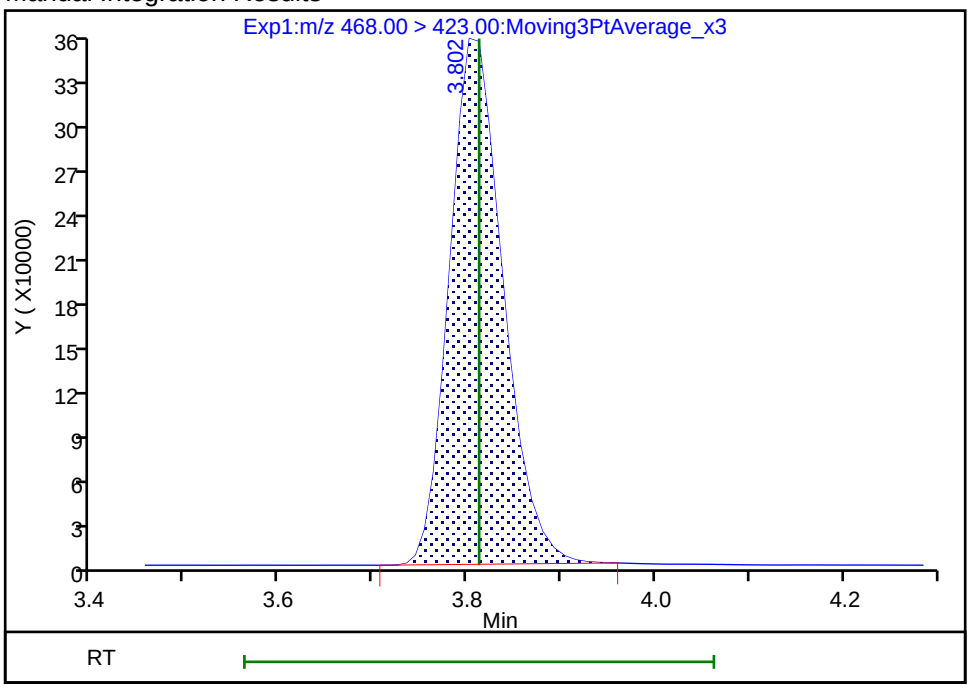
Processing Integration Results

RT: 3.80
Area: 1416591
Amount: 1.136825
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 1407141
Amount: 1.129241
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:33:01
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

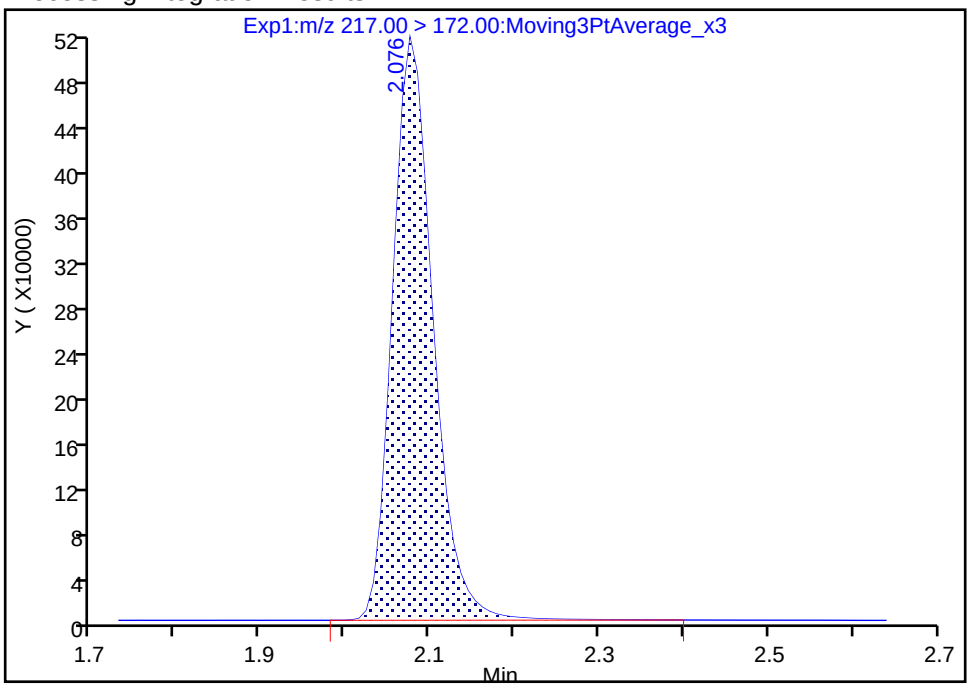
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B14.d				
Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

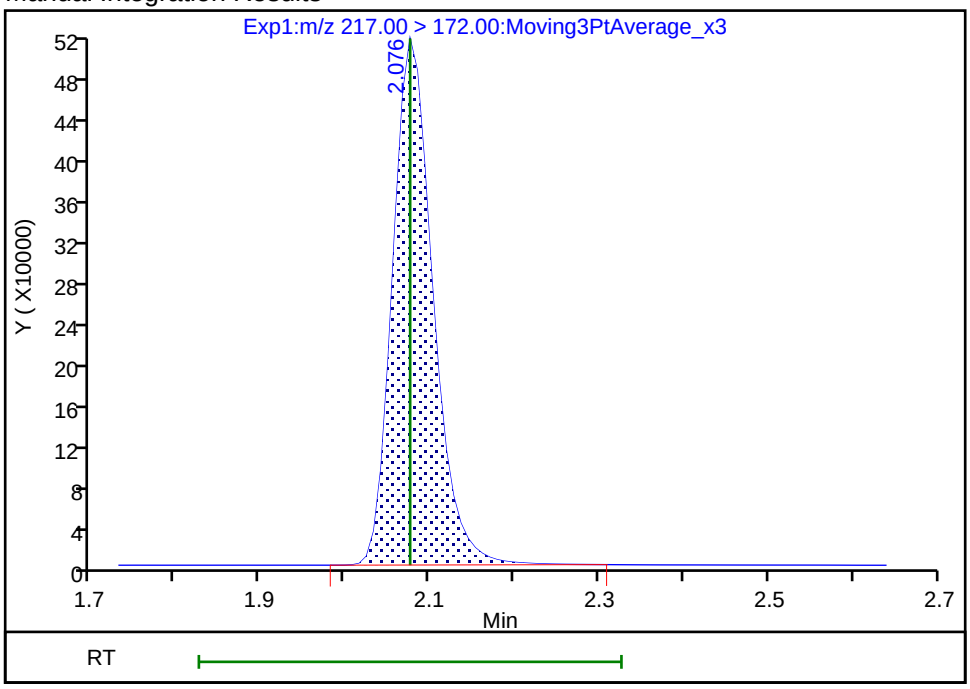
Processing Integration Results

RT: 2.08
Area: 1697527
Amount: 1.154326
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 1693352
Amount: 1.151487
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:31:29

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

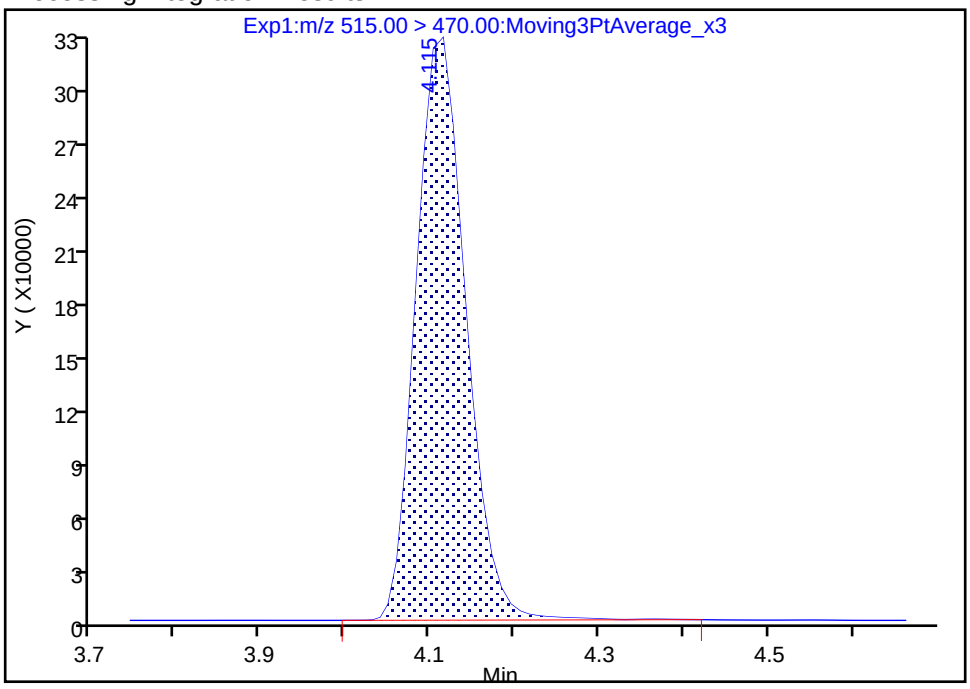
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B14.d				
Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

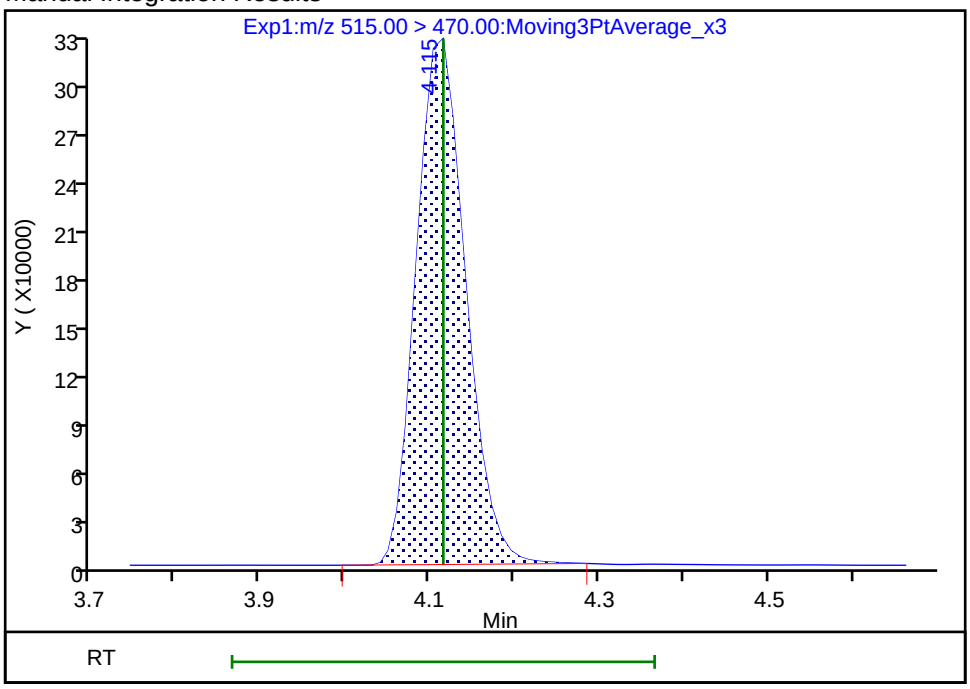
Processing Integration Results

RT: 4.12
Area: 1317768
Amount: 1.086602
Amount Units: ng/ml



Manual Integration Results

RT: 4.12
Area: 1308478
Amount: 1.078941
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:33:26

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

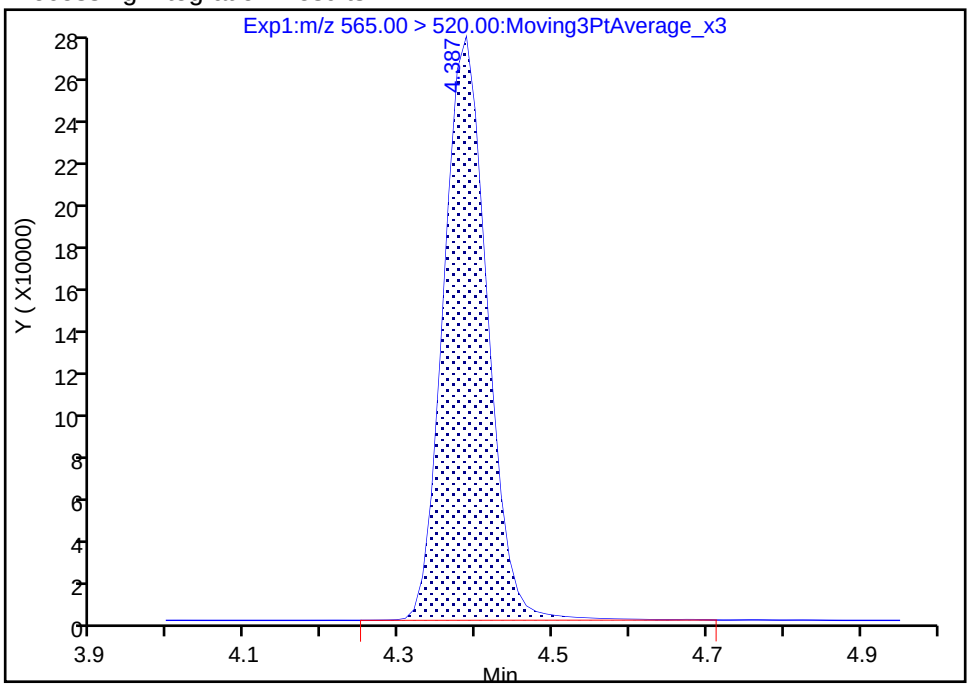
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B14.d				
Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

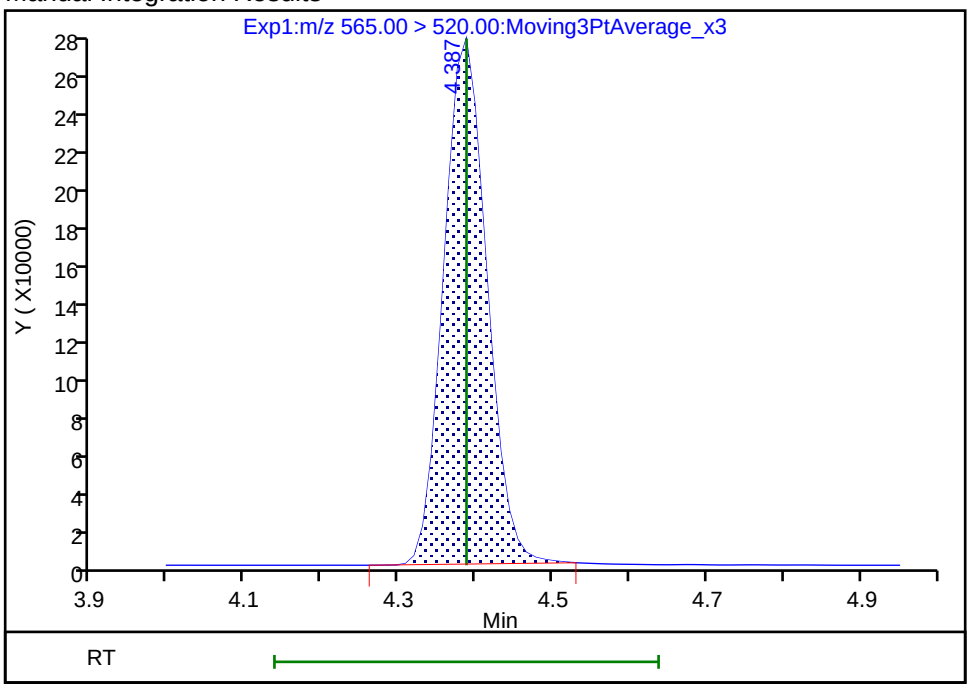
Processing Integration Results

RT: 4.39
Area: 1084816
Amount: 1.180601
Amount Units: ng/ml



Manual Integration Results

RT: 4.39
Area: 1070832
Amount: 1.165383
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:34:19

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

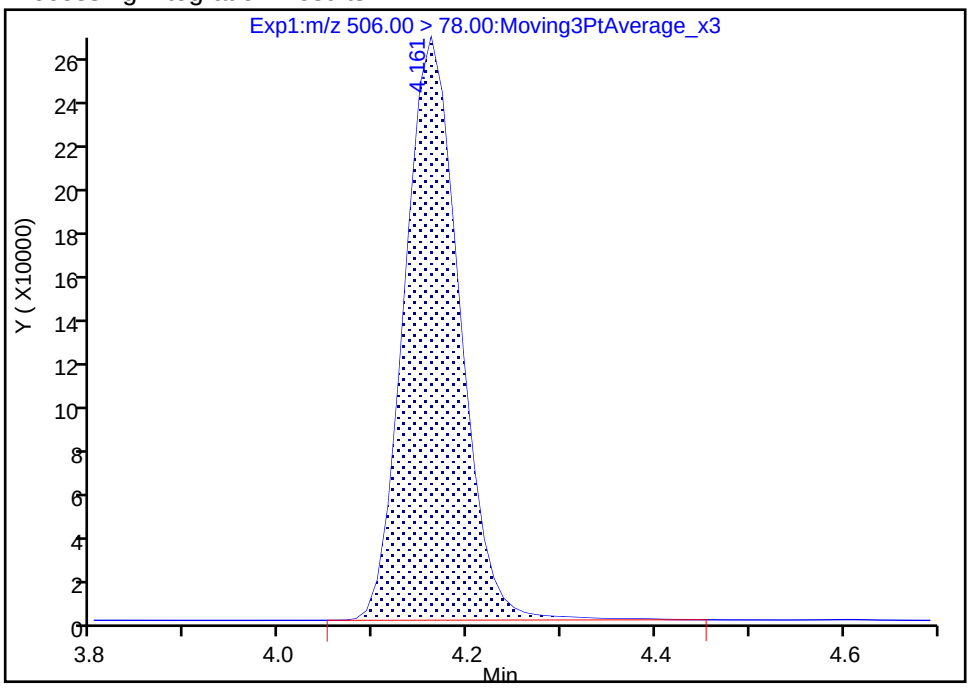
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B14.d				
Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

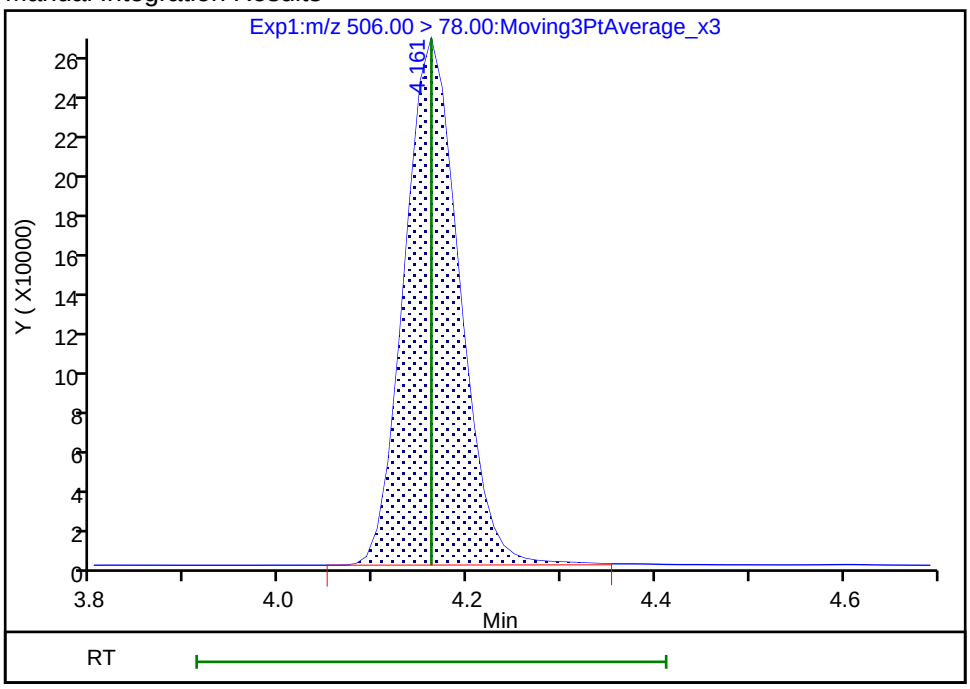
Processing Integration Results

RT: 4.16
Area: 1066611
Amount: 1.004889
Amount Units: ng/ml



Manual Integration Results

RT: 4.16
Area: 1065127
Amount: 1.003491
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:48:34

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

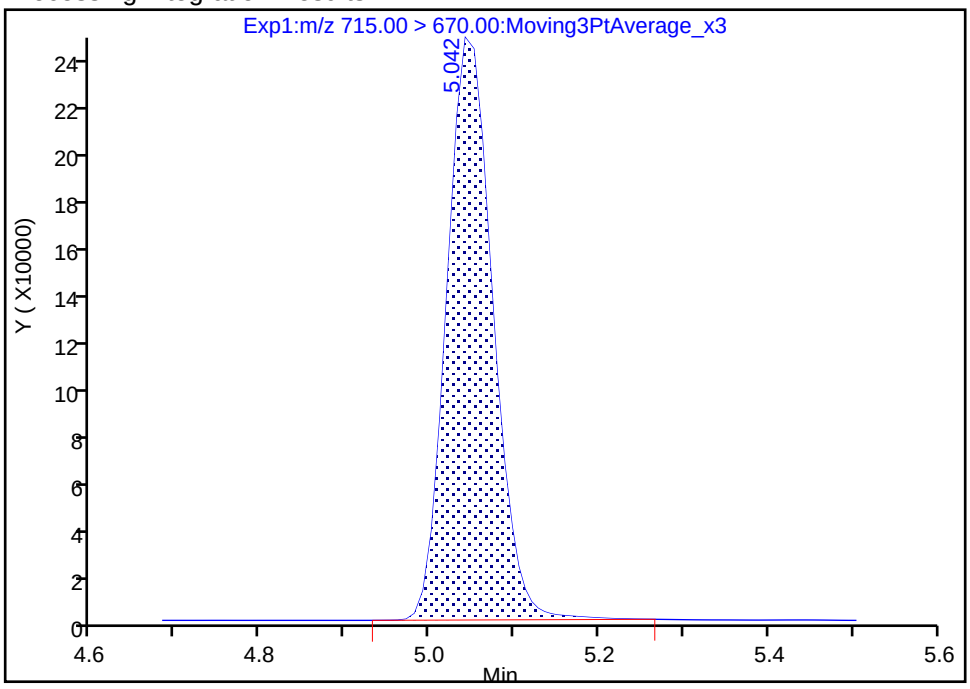
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B14.d				
Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

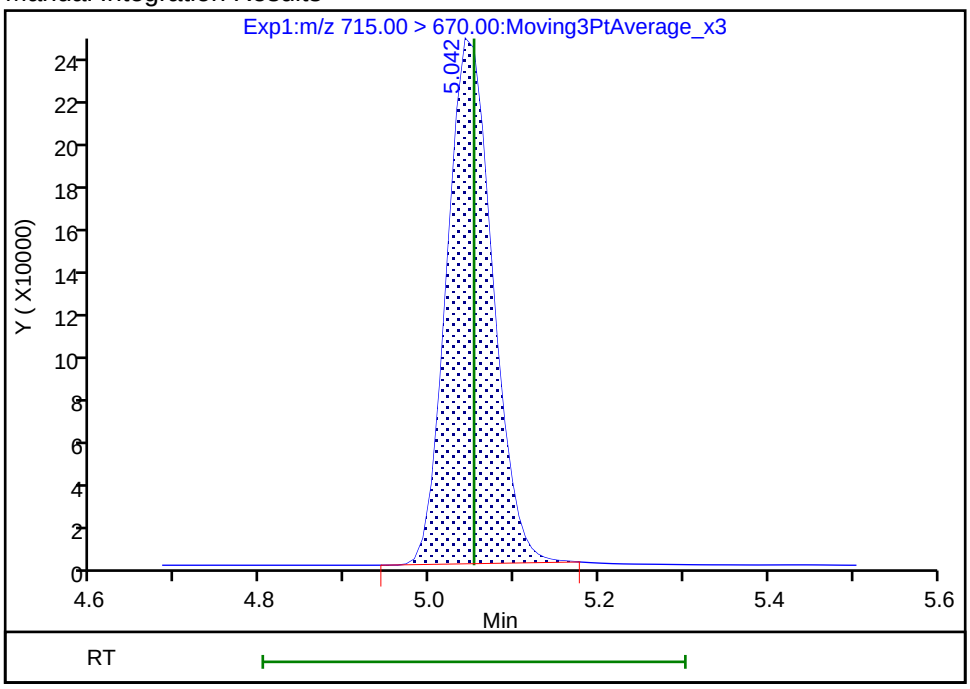
Processing Integration Results

RT: 5.04
Area: 940768
Amount: 1.208638
Amount Units: ng/ml



Manual Integration Results

RT: 5.04
Area: 929979
Amount: 1.194777
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:34:29

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

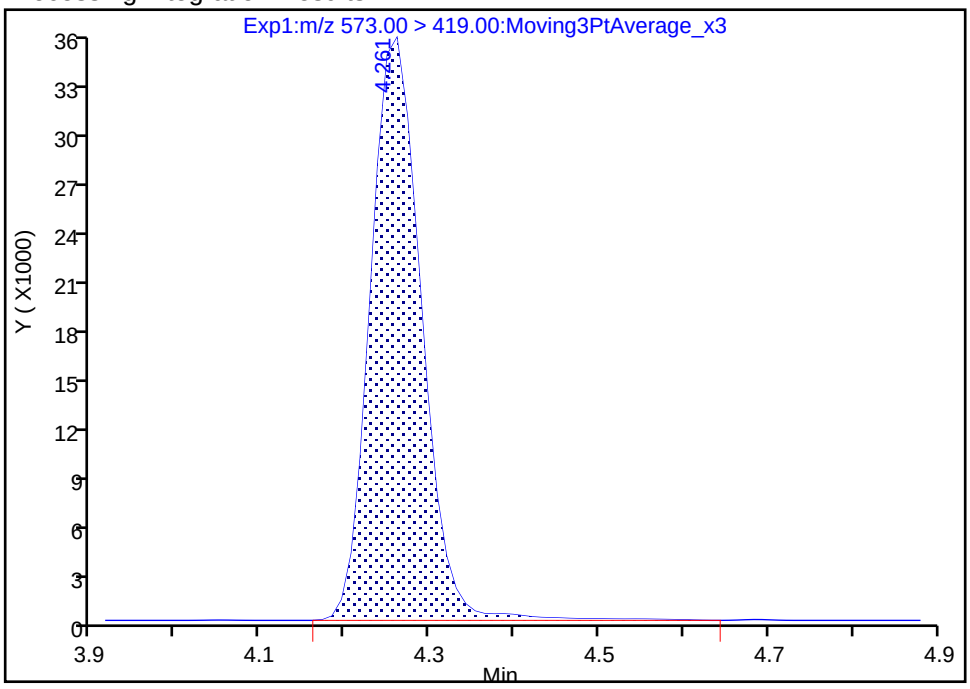
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B14.d				
Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

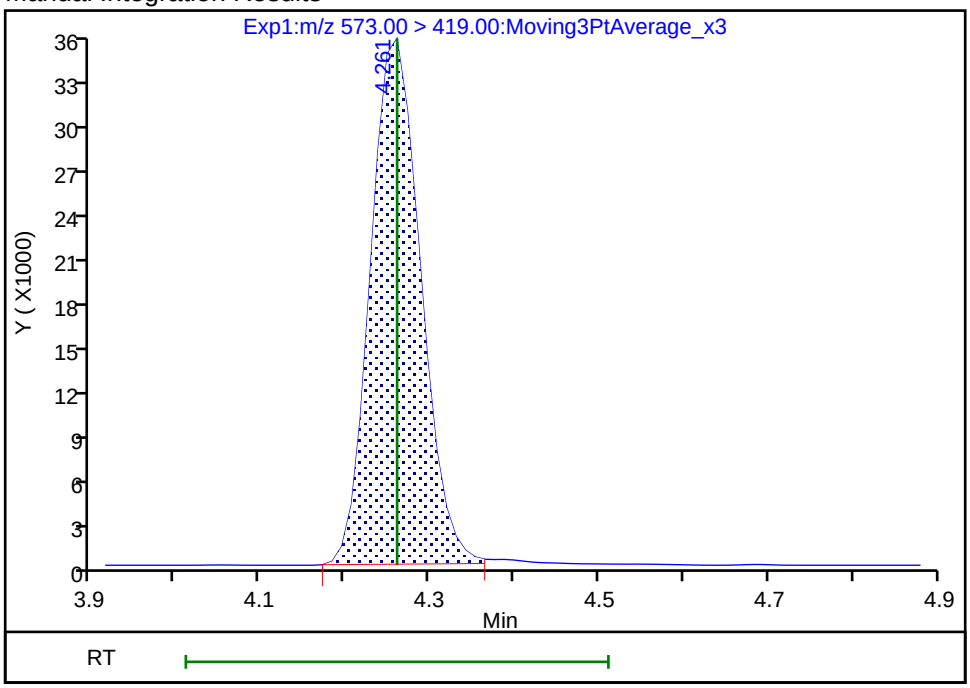
Processing Integration Results

RT: 4.26
Area: 147988
Amount: 0.910439
Amount Units: ng/ml



Manual Integration Results

RT: 4.26
Area: 144896
Amount: 0.891417
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:34:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

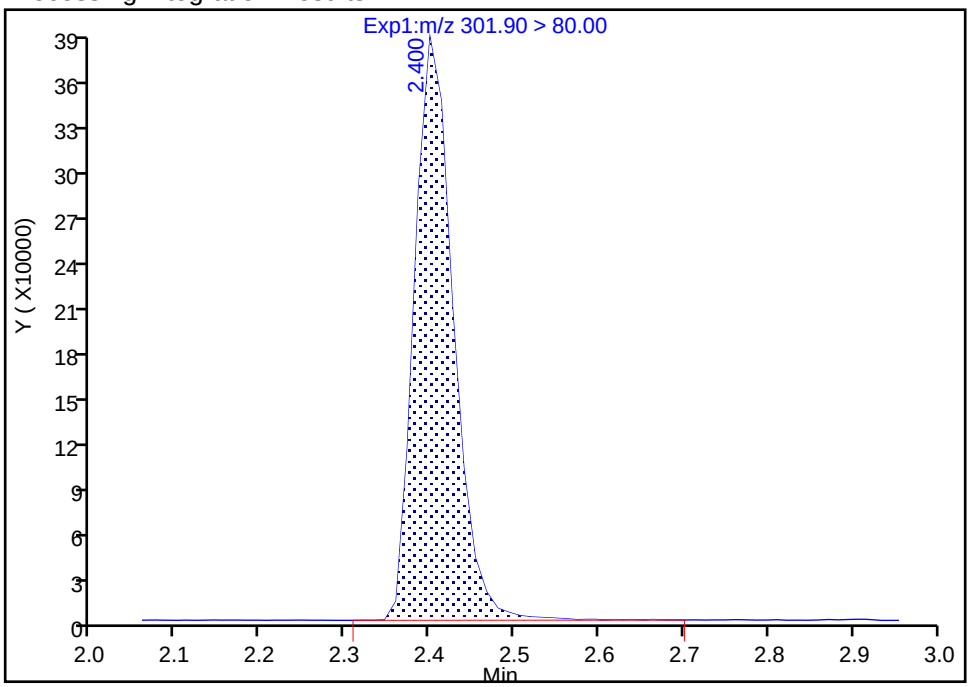
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B14.d				
Injection Date:	04-Aug-2022 15:47:35	Instrument ID:	LC812		
Lims ID:	460-262897-A-5-A	Lab Sample ID:	200-262897-5		
Client ID:	BCS-09-36 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

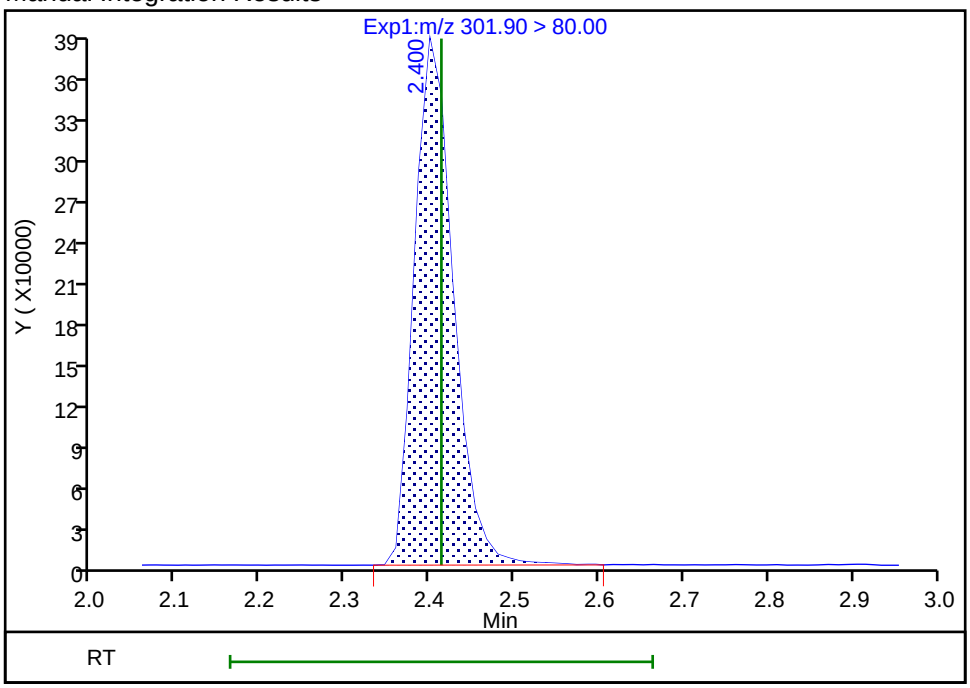
Processing Integration Results

RT: 2.40
Area: 1225966
Amount: 0.936707
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 1224083
Amount: 0.935269
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:48:18

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 460-262897-1

SDG No.:

Client Sample ID: BCS-09-37 (6-6.5)P | Lab Sample ID: 460-262897-6

Matrix: Solid | Lab File ID: PA220804B15.d

Analysis Method: 537 (modified) | Date Collected: 07/29/2022 09:50

Extraction Method: SHAKE | Date Extracted: 08/03/2022 11:39

Sample wt/vol: 5.08(g) | Date Analyzed: 08/04/2022 15:55

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

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

% Moisture: 8.5 % Solids: 91.5 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 182375 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.54	U	0.54	0.35
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.22	U	0.22	0.059
307-24-4	Perfluorohexanoic acid (PFHxA)	0.053	J	0.22	0.049
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.047	J	0.22	0.042
335-67-1	Perfluorooctanoic acid (PFOA)	0.096	J	0.22	0.062
375-95-1	Perfluorononanoic acid (PFNA)	0.048	J	0.22	0.037
335-76-2	Perfluorodecanoic acid (PFDA)	0.085	J	0.22	0.030
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.22	U	0.22	0.029
307-55-1	Perfluorododecanoic acid (PFDoA)	0.029	J	0.22	0.027
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.22	U	0.22	0.027
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.22	U	0.22	0.028
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.22	U	0.22	0.035
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.22	U	0.22	0.044
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.22	U	0.22	0.025
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.30		0.22	0.12
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.62		0.22	0.020
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.22	U	0.22	0.037
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.15	U	2.15	0.12
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.15	U	2.15	0.089
27619-97-2	6:2 FTS	2.15	U	2.15	0.061
39108-34-4	8:2 FTS	2.15	U	2.15	0.040

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Client Sample ID: BCS-09-37 (6-6.5)P Lab Sample ID: 460-262897-6

Matrix: Solid Lab File ID: PA220804B15.d

Analysis Method: 537 (modified) Date Collected: 07/29/2022 09:50

Extraction Method: SHAKE Date Extracted: 08/03/2022 11:39

Sample wt/vol: 5.08(g) Date Analyzed: 08/04/2022 15:55

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

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

% Moisture: 8.5 % Solids: 91.5 GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 182375 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	89		50-150
STL01892	13C4 PFHpA	96		50-150
STL00990	13C4 PFOA	95		50-150
STL00991	13C4 PFOS	84		50-150
STL00995	13C5 PFNA	96		50-150
STL00992	13C4 PFBA	97		50-150
STL00993	13C2 PFHxA	92		50-150
STL00996	13C2 PFDA	97		50-150
STL00997	13C2 PFUnA	102		50-150
STL00998	13C2 PFDoA	96		50-150
STL01056	13C8 FOSA	84		50-150
STL01893	13C5 PFPeA	93		50-150
STL02116	13C2 PFTeDA	102		50-150
STL02118	d3-NMeFOSAA	78		50-150
STL02117	d5-NEtFOSAA	82		50-150
STL02279	M2-6:2 FTS	84		50-150
STL02280	M2-8:2 FTS	93		50-150
STL02337	13C3 PFBS	81		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B15.d
Lims ID: 460-262897-A-6-A
Client ID: BCS-09-37 (6-6.5)P
Sample Type: Client
Inject. Date: 04-Aug-2022 15:55:46 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: 460-262897-A-6-A
Misc. Info.: 200-0051959-015 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 05-Aug-2022 12:54:43 Calib Date: 03-Aug-2022 13:41:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1640

First Level Reviewer: nampitakw Date: 05-Aug-2022 12:05:15
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	0.598	2159088	1.21		97.0	7900	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.076	2.085	-0.009	1.000	45834	0.0274			4.7	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.387	2.400	-0.013	0.687	1591833	1.16		93.0	2450	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.360	2.400	-0.040	0.989	28957	0.0221			0.9	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.400	2.413	-0.013	0.691	1486931	0.9380		80.7	111333	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.413	2.413	0.0	1.006	4408	0.003122	Target=2.23		2.2	M
298.90 > 99.00	2.400	2.413	-0.013	1.000	2053		2.15(1.11-3.34)		0.8	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.738	2.750	-0.012	1.000	32496	0.0247	Target=12.24		3.1	M
313.00 > 119.00	2.738	2.750	-0.012	1.000	3494		9.30(6.12-18.36)		4.3	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.738	2.750	-0.012	0.788	1573810	1.15		92.0	3247	
D 11 18O2 PFHxS										
403.00 > 84.00	3.110	3.110	0.0	0.895	1171176	1.05		88.8	2832	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.110	3.110	0.0	1.000	7107	0.006506	Target=3.43		5.1	M
399.00 > 99.00	3.110	3.110	0.0	1.000	2622		2.71(1.72-5.15)		2.7	M
D 9 13C4 PFHpA										M
367.00 > 322.00	3.110	3.121	-0.011	0.895	1702426	1.20		96.0	3105	M
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.121	3.121	0.0	1.004	30890	0.0220	Target=3.73		4.1	M
363.00 > 169.00	3.110	3.121	-0.011	1.000	7993		3.86(1.86-5.59)		17.2	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.456	3.465	-0.009	0.995	186765	1.00		84.3	117	M
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.456	3.465	-0.009	1.000	1090	-0.0121			6.2	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.456	3.465	-0.009	0.911	1885	0.002187	Target=4.89		3.5	M
449.00 > 99.00	3.456	3.465	-0.009	0.911	681		2.77(2.44-7.33)		2.2	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.474	3.474	0.0	1.000	68947	0.0445	Target=2.67		5.7	M
413.00 > 169.00	3.474	3.474	0.0	1.000	24011		2.87(1.34-4.01)		44.5	M
D 14 13C4 PFOA										M
417.00 > 372.00	3.474	3.474	0.0	1.000	1725890	1.19		95.0	2867	M
* 62 13C2 PFOA										
415.00 > 370.00	3.474	3.474	0.0		1907777	1.25			2938	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.792	3.792	0.0	1.000	108494	0.1379	Target=4.88		64.4	M
499.00 > 99.00	3.792	3.792	0.0	1.000	23532		4.61(2.44-7.32)		49.7	M
D 18 13C4 PFOS										
503.00 > 80.00	3.792	3.792	0.0	1.092	833276	1.00		83.8	1345	
20 Perfluorononanoic acid										M
463.00 > 419.00	3.812	3.812	0.0	1.000	33251	0.0225	Target=8.23		5.7	M
463.00 > 169.00	3.812	3.812	0.0	1.000	4776		6.96(4.11-12.34)		23.8	M
D 19 13C5 PFNA										M
468.00 > 423.00	3.812	3.812	0.0	1.097	1818307	1.20		96.4	2027	M
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.116	4.116	0.0	1.000	59401	0.0396	Target=9.67		20.4	
513.00 > 169.00	4.116	4.116	0.0	1.000	5267		11.28(4.83-14.50)		17.1	M
D 23 13C2 PFDA										M
515.00 > 470.00	4.116	4.116	0.0	1.185	1782929	1.21		97.1	2599	M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.116	4.127	-0.011	0.997	267	0.001320			4.4	M
D 26 M2-8:2 FTS										M
529.00 > 81.00	4.127	4.127	0.0	1.188	250744	1.12		93.3	439	M
D 21 13C8 FOSA										
506.00 > 78.00	4.161	4.161	0.0	1.198	1345898	1.05		83.8	2723	
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.161	4.161	0.0	1.000	11882	0.0108			19.5	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.261	4.261	0.0	1.000	246	0.001800			0.9	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.261	4.261	0.0	1.227	192340	0.9770		78.2	904	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.353	4.365	-0.012	1.148	116331	0.2863	Target=2.80		15.6	M
599.00 > 99.00	4.353	4.365	-0.012	1.148	53216		2.19(1.40-4.20)		35.9	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.387	4.387	0.0	1.263	1412310	1.27		102	2065	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.387	4.387	0.0	1.000	12612	0.0105	Target=9.07		7.1	M
563.00 > 169.00	4.387	4.387	0.0	1.000	1016		12.41(4.54-13.61)		8.7	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.399	4.399	0.0	1.000	3916	0.0283			44.6	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.399	4.399	0.0	1.266	190206	1.02		81.7	678	
D 36 13C2 PFDoA										M
615.00 > 570.00	4.622	4.633	-0.011	1.331	1385057	1.20		96.1	1474	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.633	4.633	0.0	1.002	15329	0.0136	Target=6.97		3.0	M
613.00 > 169.00	4.622	4.633	-0.011	1.000	2728		5.62(3.48-10.45)		31.8	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.848	4.859	-0.011	1.049	2772	0.002846	Target=4.56		0.7	
663.00 > 169.00	4.848	4.859	-0.011	1.049	943		2.94(2.28-6.84)		8.8	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.052	5.052	0.0	1.454	1201730	1.27		102	1912	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.052	5.052	0.0	1.000	1372	0.008908	Target=0.94		14.2	M
713.00 > 219.00	5.042	5.052	-0.010	0.998	1057		1.30(0.47-1.41)		24.0	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Report Date: 05-Aug-2022 12:54:51 Chrom Revision: 2.3 04-Aug-2022 18:02:28

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B15.d

Injection Date: 04-Aug-2022 15:55:46 Instrument ID: LC812

Lims ID: 460-262897-A-6-A Lab Sample ID: 200-262897-6

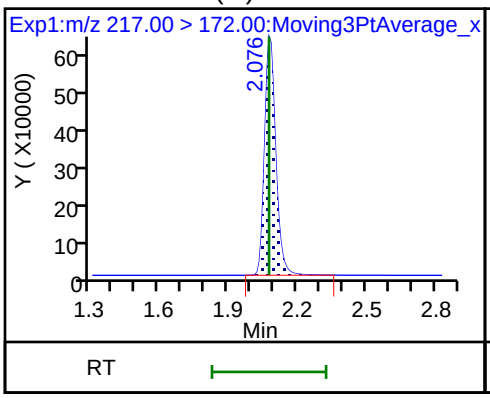
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Operator ID: lc812tech ALS Bottle#: 15 Worklist Smp#: 15

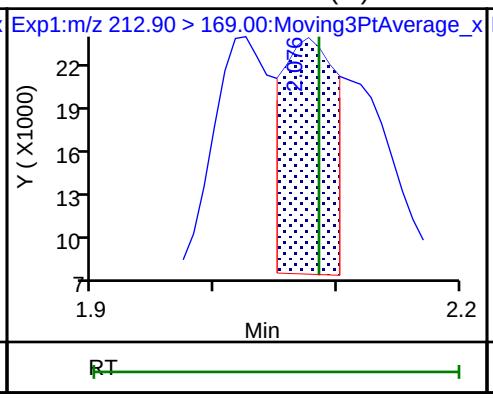
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

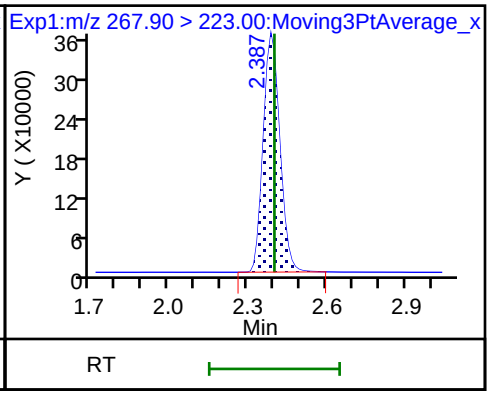
D 1 13C4 PFBA (M)



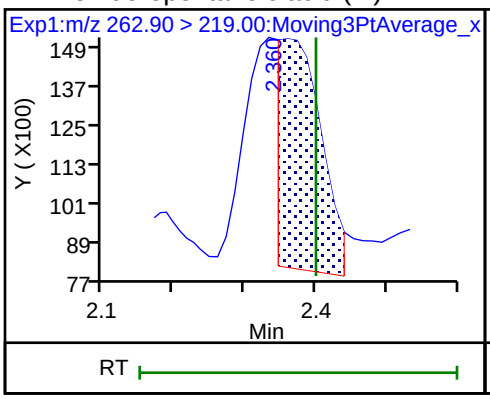
2 Perfluorobutanoic acid (M)



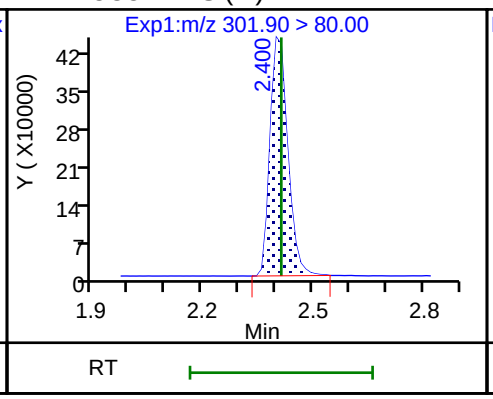
D 3 13C5 PFPeA



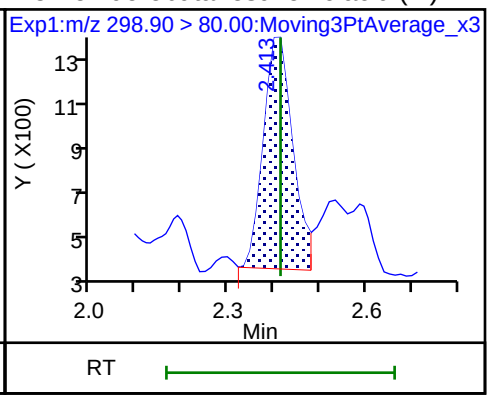
4 Perfluoropentanoic acid (M)



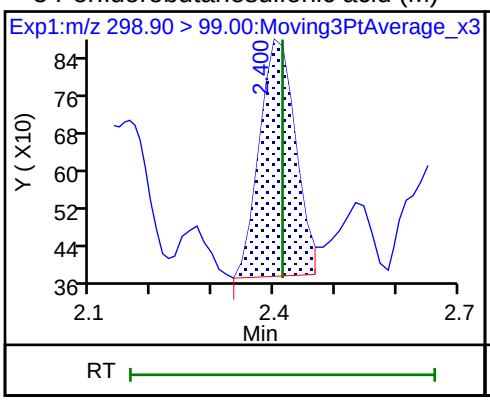
D 47 13C3 PFBS (M)



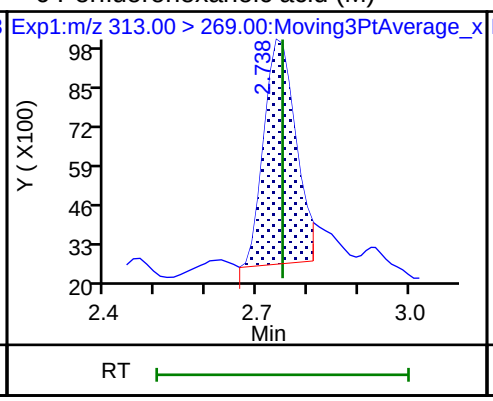
5 Perfluorobutanesulfonic acid (M)



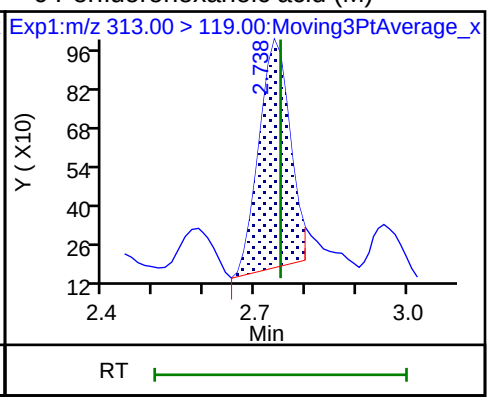
5 Perfluorobutanesulfonic acid (M)



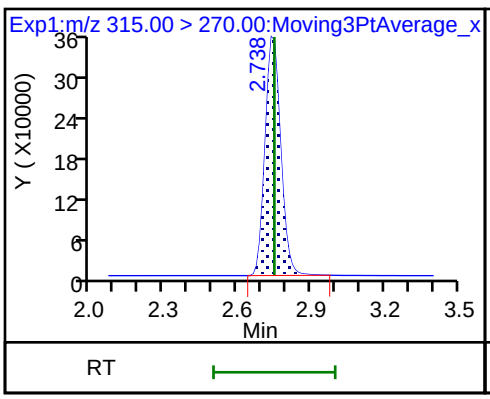
6 Perfluorohexanoic acid (M)



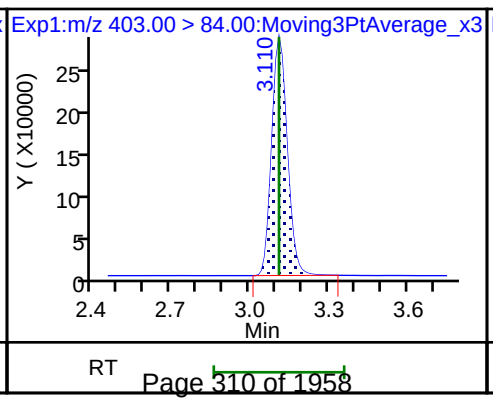
6 Perfluorohexanoic acid (M)



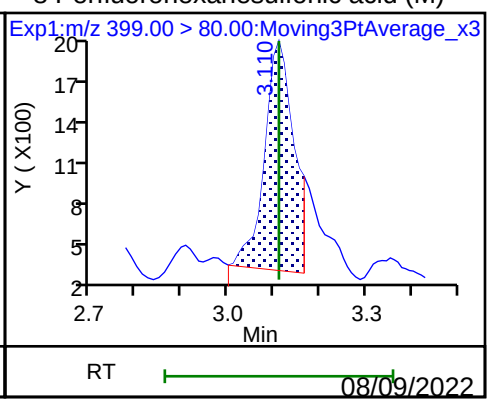
D 7 13C2 PFHxA



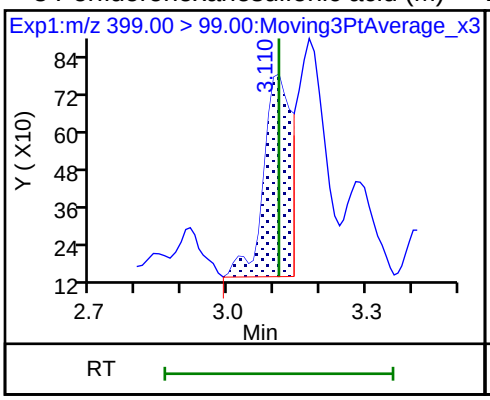
D 11 18O2 PFHxS



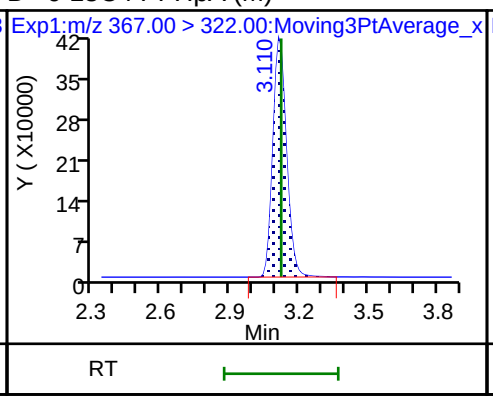
8 Perfluorohexanesulfonic acid (M)



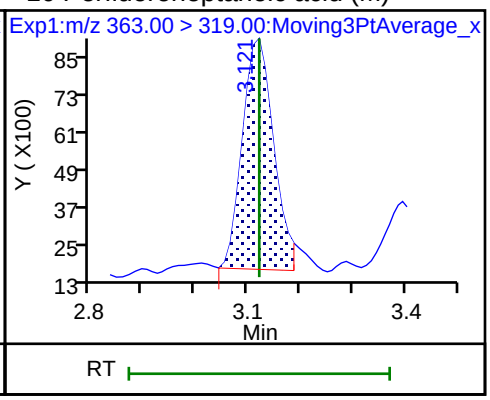
8 Perfluorohexanesulfonic acid (M)



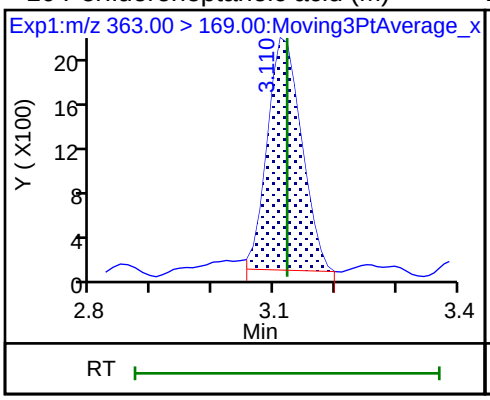
D 9 13C4 PFHpA (M)



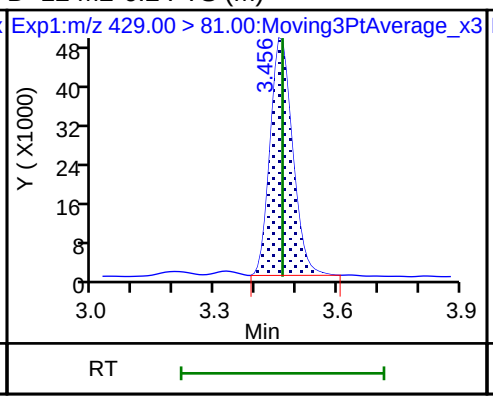
10 Perfluoroheptanoic acid (M)



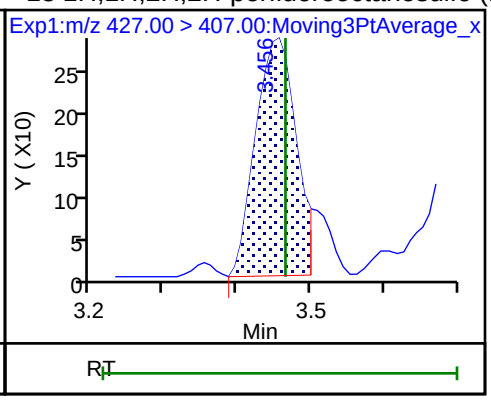
10 Perfluoroheptanoic acid (M)



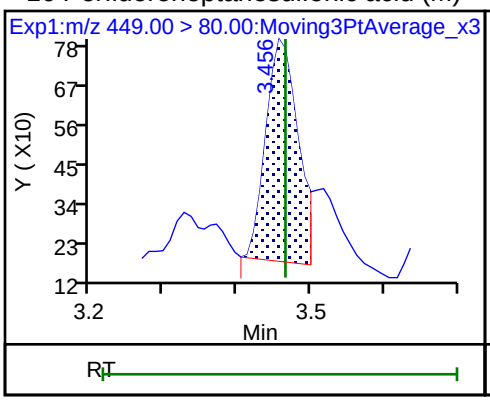
D 12 M2-6:2 FTS (M)



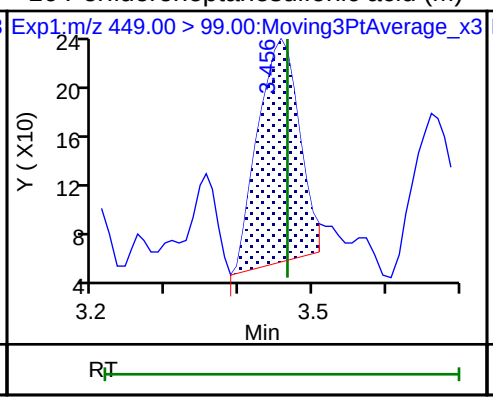
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



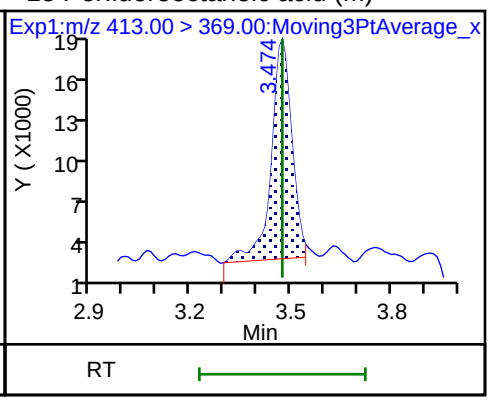
16 Perfluoroheptanesulfonic acid (M)



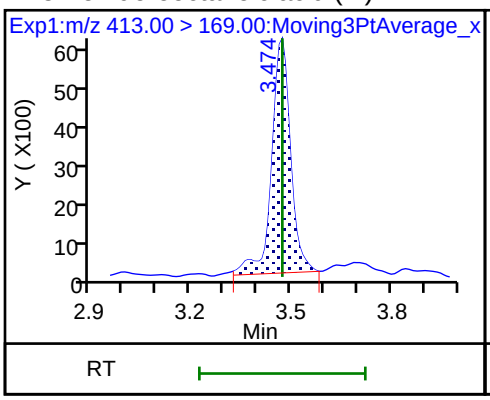
16 Perfluoroheptanesulfonic acid (M)



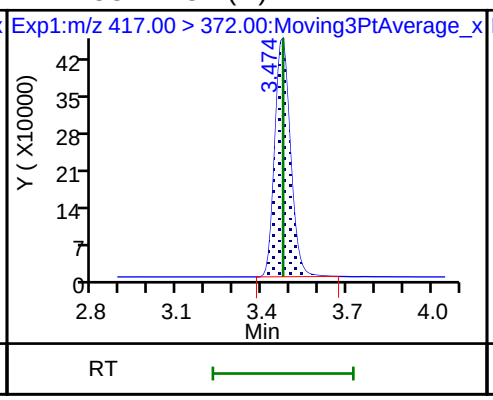
15 Perfluorooctanoic acid (M)



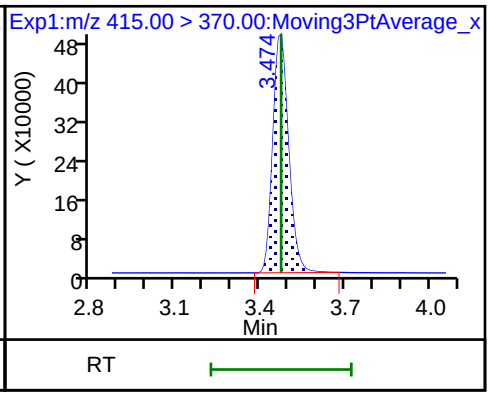
15 Perfluorooctanoic acid (M)



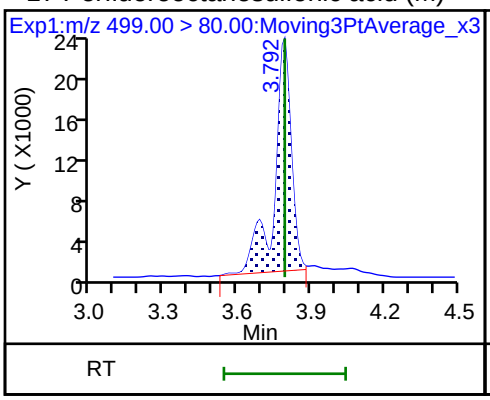
D 14 13C4 PFOA (M)



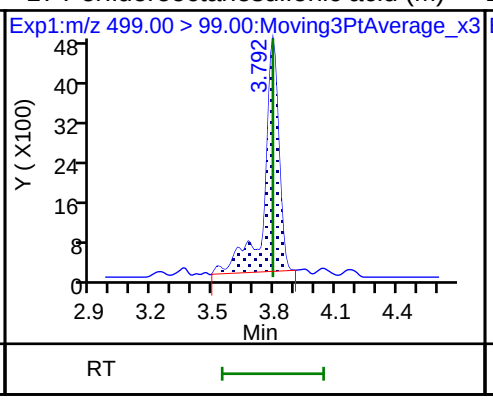
* 62 13C2 PFOA



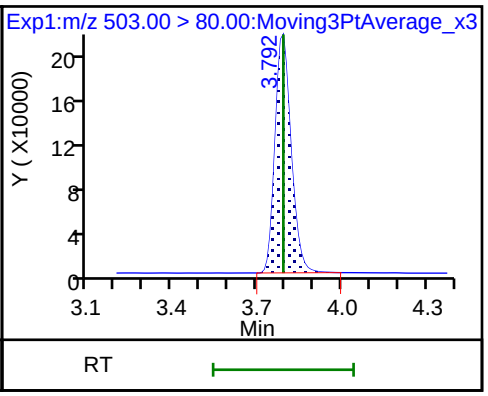
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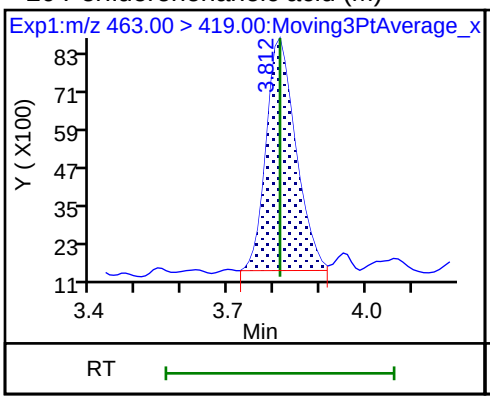
17 Perfluorooctanesulfonic acid (M)



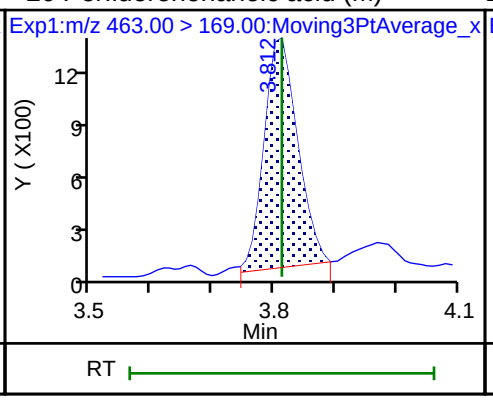
D 18 13C4 PFOS



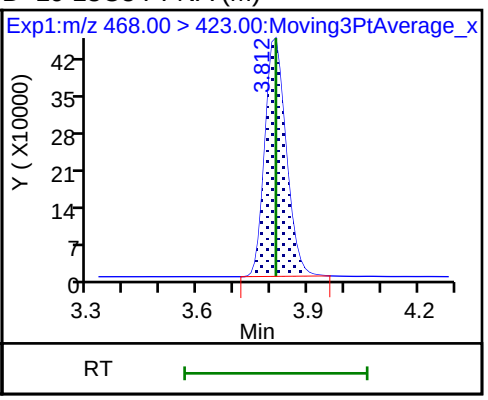
20 Perfluorononanoic acid (M)



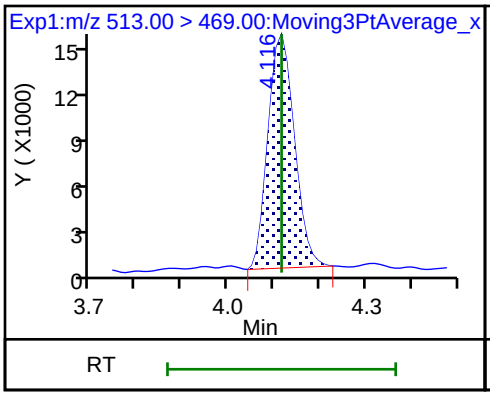
20 Perfluorononanoic acid (M)



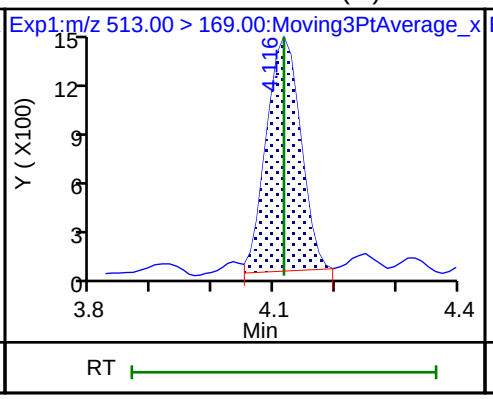
D 19 13C5 PFNA (M)



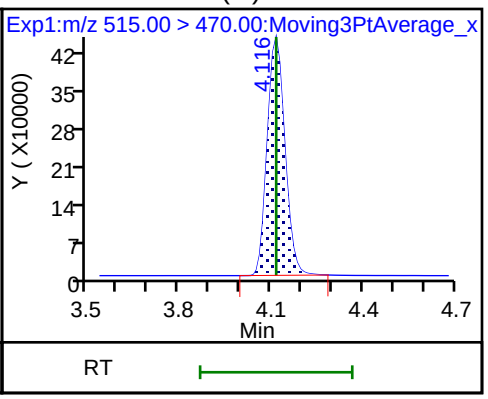
24 Perfluorodecanoic acid



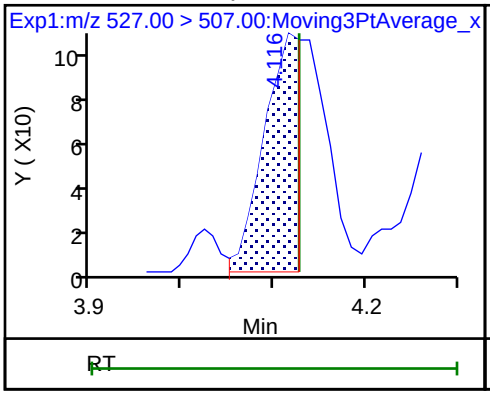
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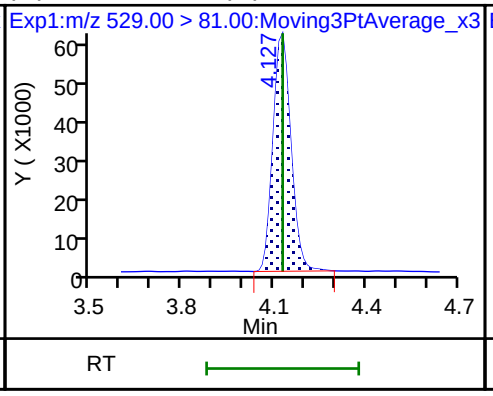
D 23 13C2 PFDA (M)



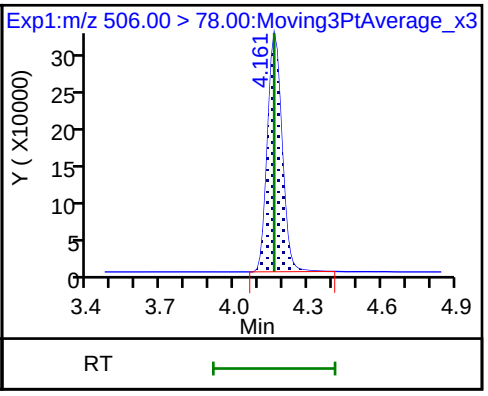
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



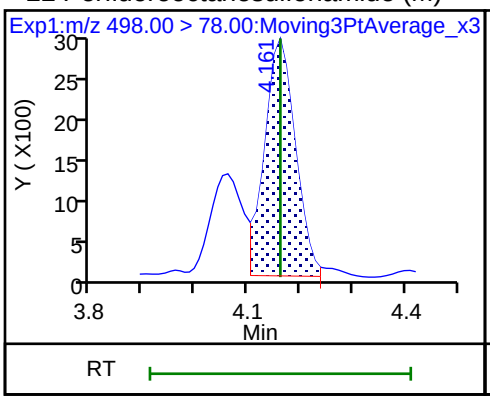
D 26 M2-8:2 FTS (M)



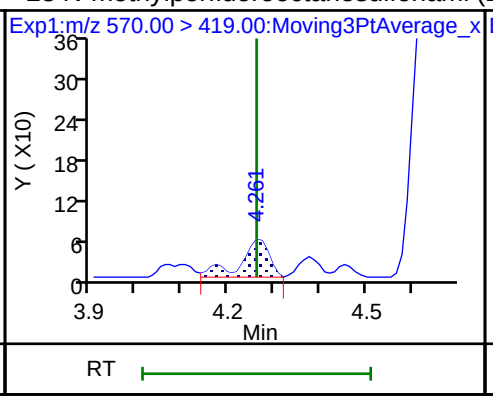
D 21 13C8 FOSA



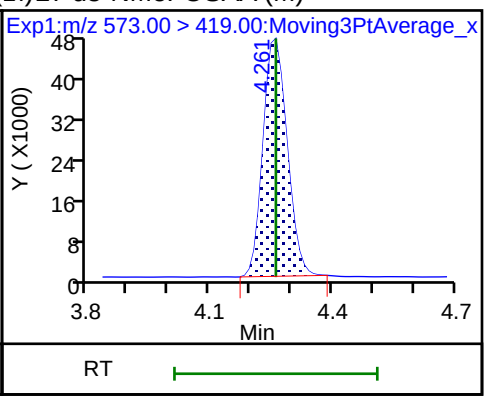
22 Perfluorooctanesulfonamide (M)



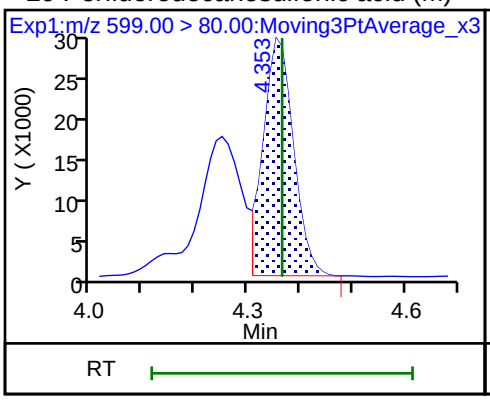
28 N-methylperfluorooctanesulfonami (M)



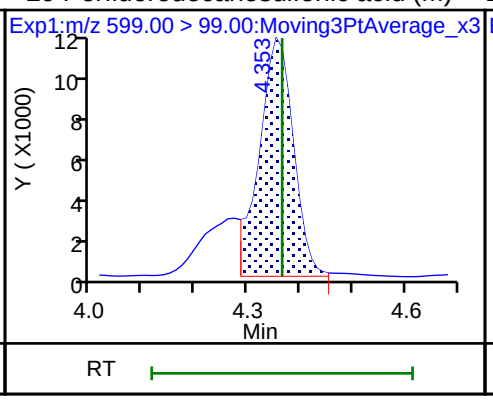
D 27 d3-NMeFOSAA (M)



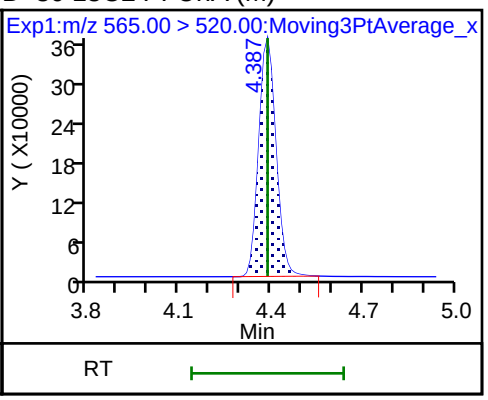
29 Perfluorodecanesulfonic acid (M)



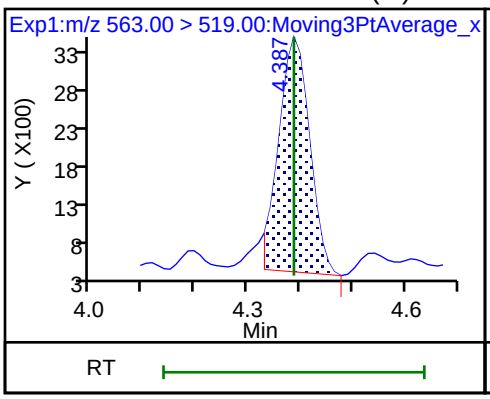
29 Perfluorodecanesulfonic acid (M)



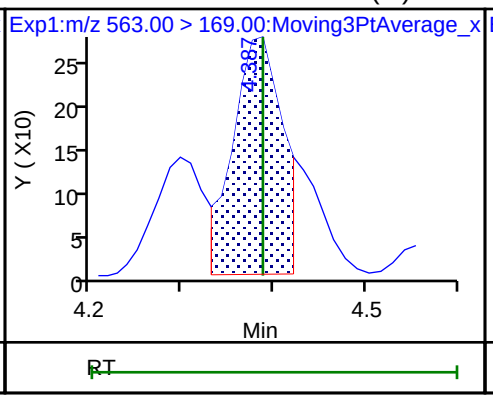
D 30 13C2 PFUnA (M)



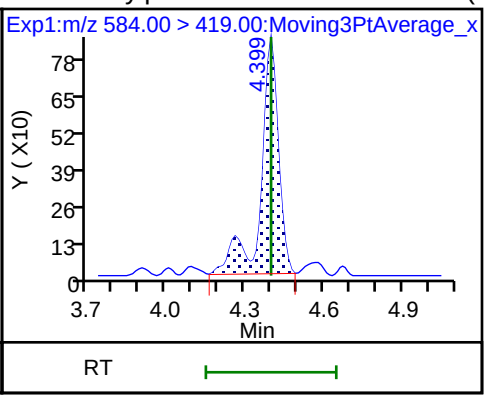
31 Perfluoroundecanoic acid (M)



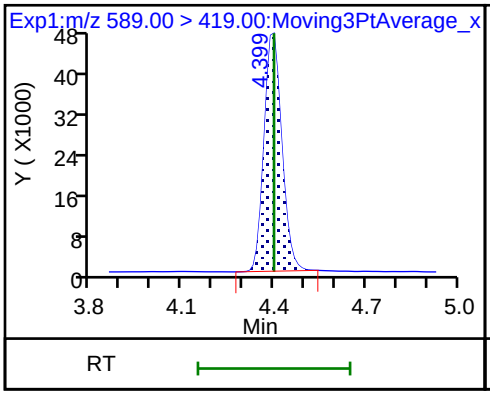
31 Perfluoroundecanoic acid (M)



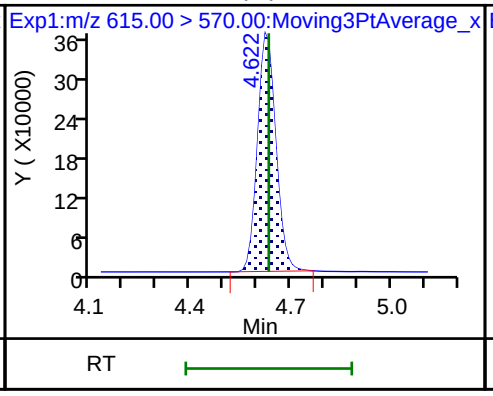
33 N-ethylperfluorooctanesulfonamid (M)



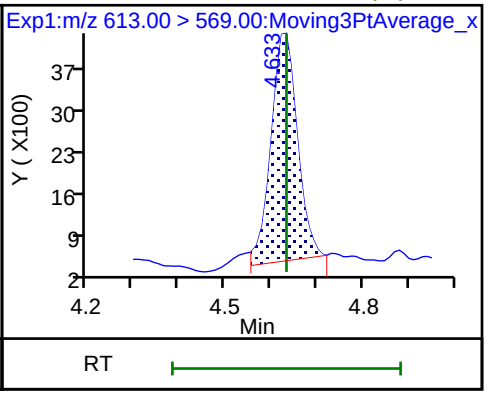
D 32 d5-NEtFOSAA



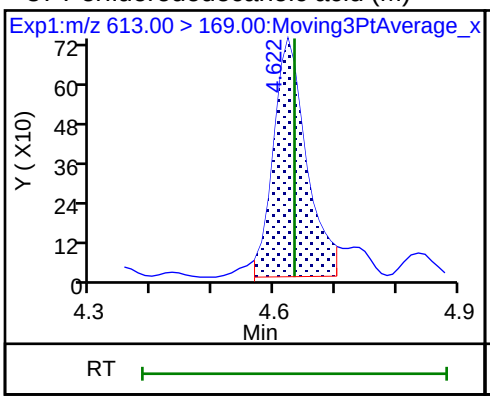
D 36 13C2 PFDoA (M)



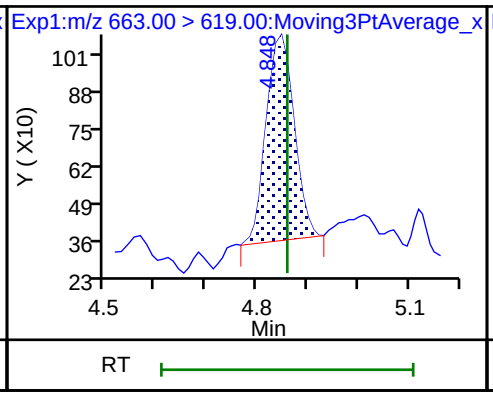
37 Perfluorododecanoic acid (M)



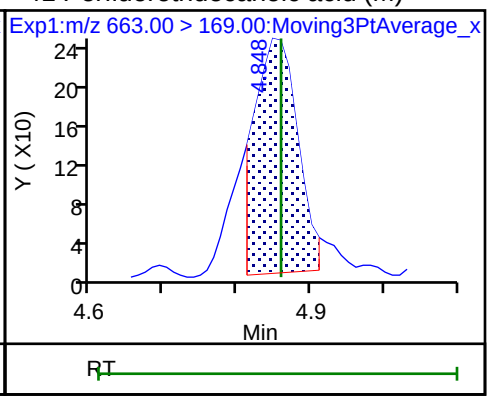
37 Perfluorododecanoic acid (M)



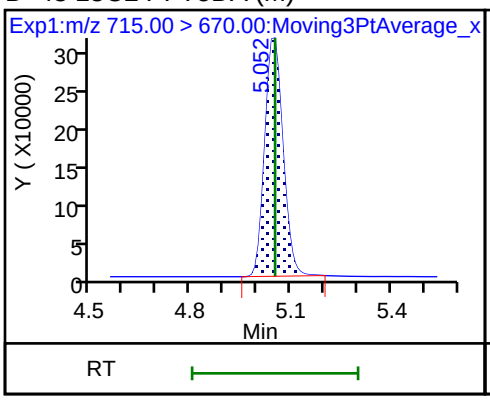
41 Perfluorotridecanoic acid



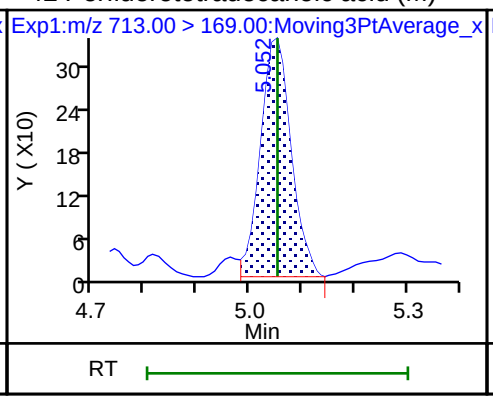
41 Perfluorotridecanoic acid (M)



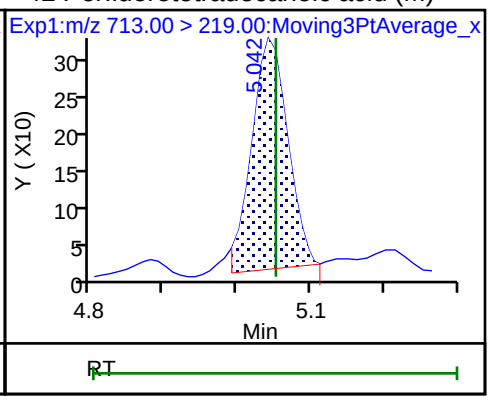
D 43 13C2 PFTeDA (M)



42 Perfluorotetradecanoic acid (M)



42 Perfluorotetradecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins Burlington

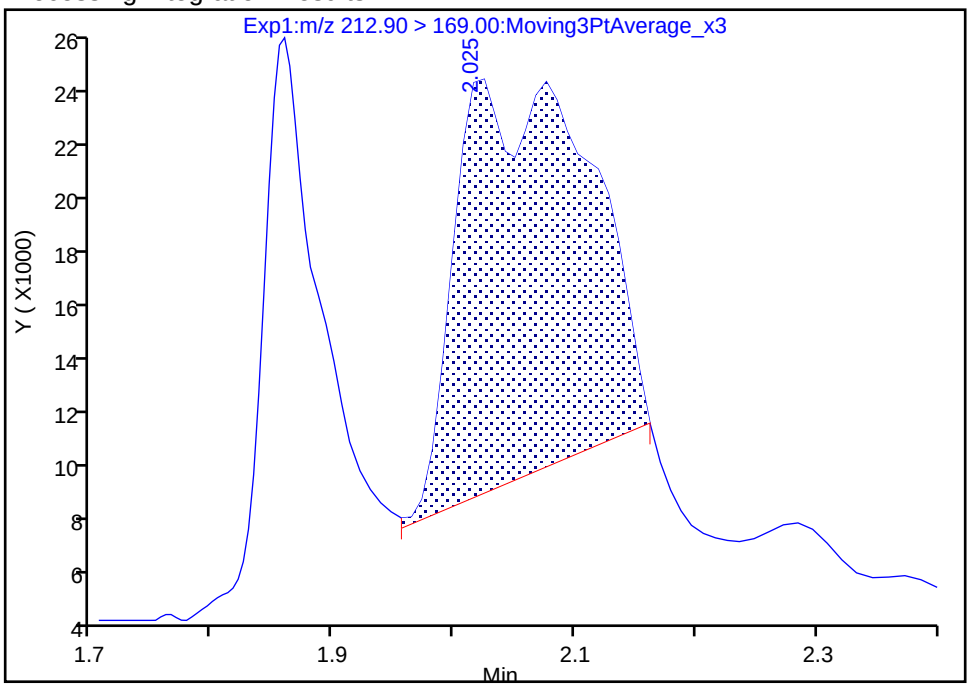
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Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

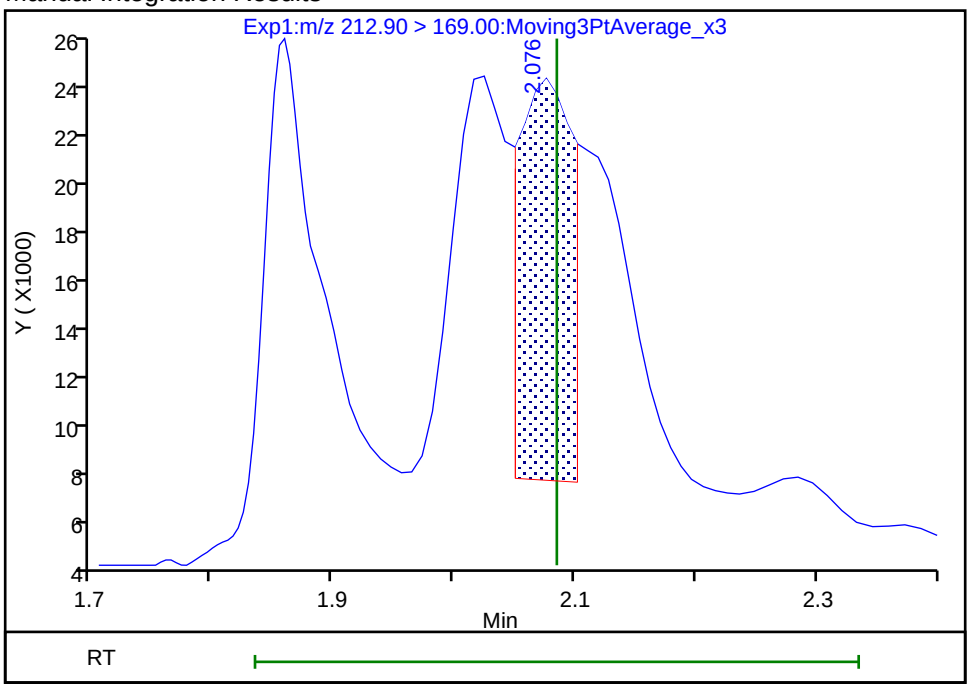
Processing Integration Results

RT: 2.02
Area: 111703
Amount: 0.066571
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 45834
Amount: 0.027365
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:57:28

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

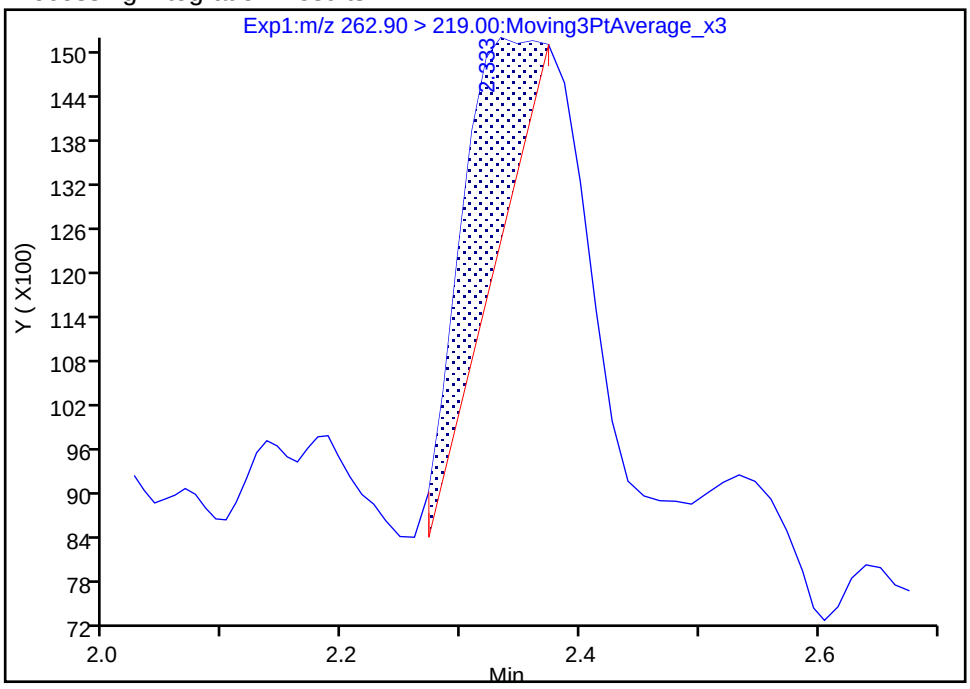
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Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

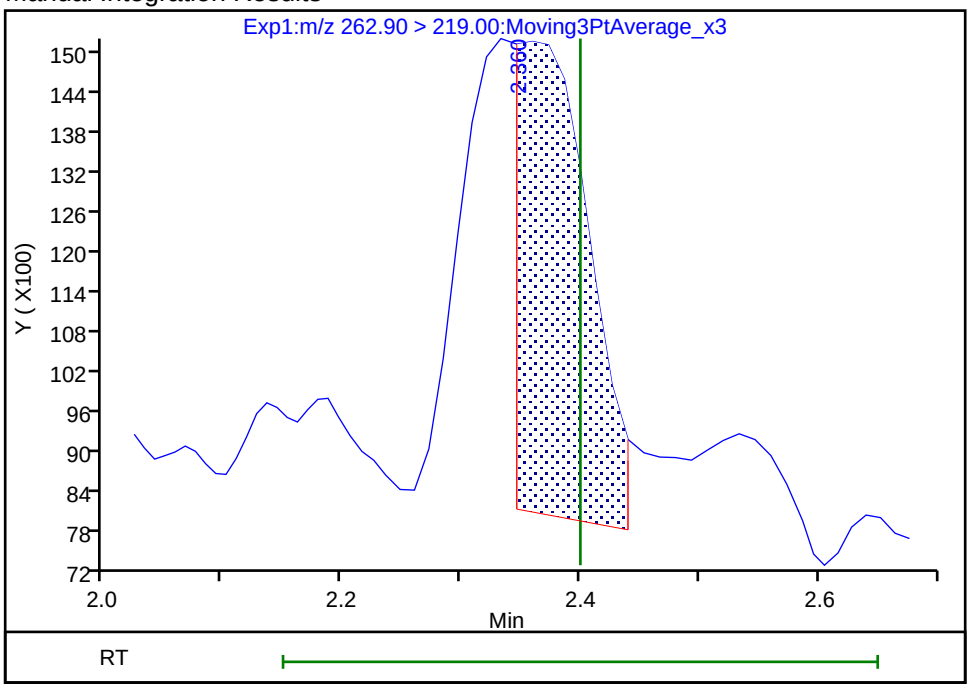
Processing Integration Results

RT: 2.33
Area: 11711
Amount: 0.008920
Amount Units: ng/ml



Manual Integration Results

RT: 2.36
Area: 28957
Amount: 0.022056
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:57:40

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

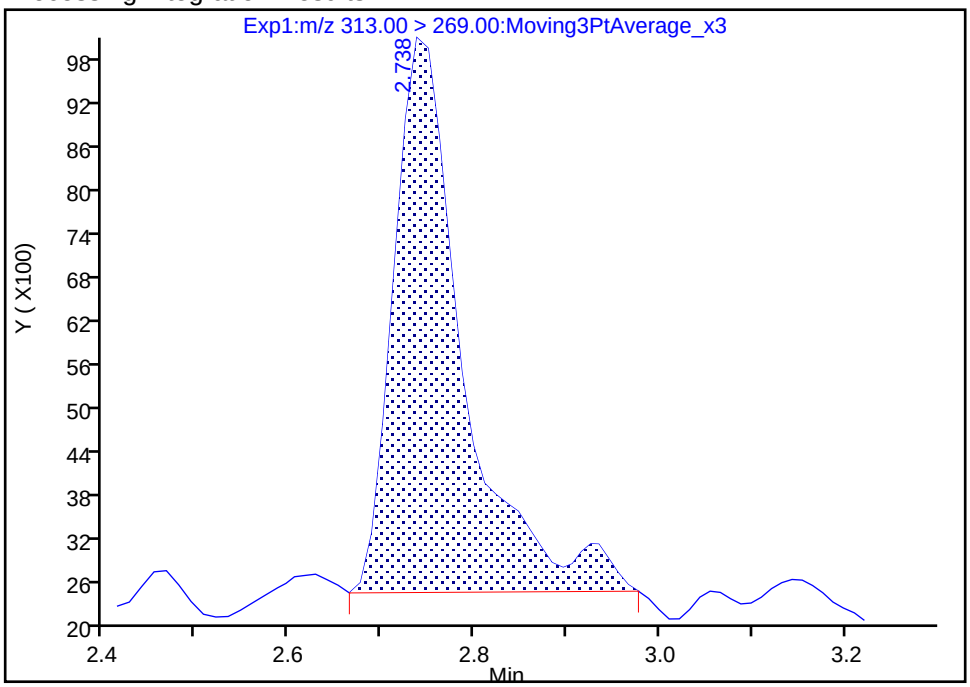
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Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

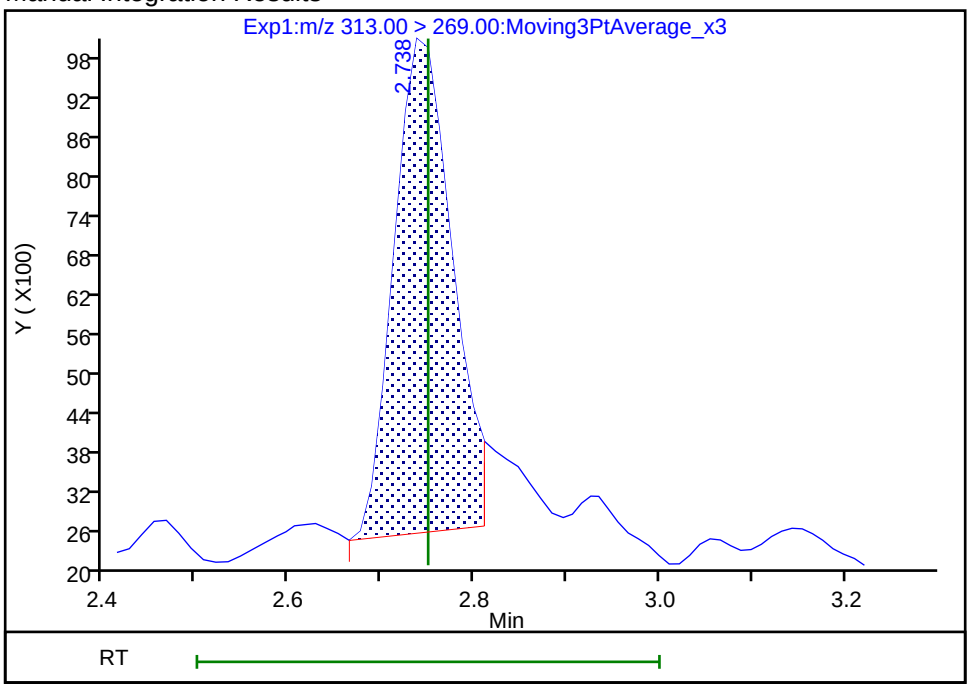
Processing Integration Results

RT: 2.74
Area: 39983
Amount: 0.030434
Amount Units: ng/ml



Manual Integration Results

RT: 2.74
Area: 32496
Amount: 0.024735
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:58:01

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

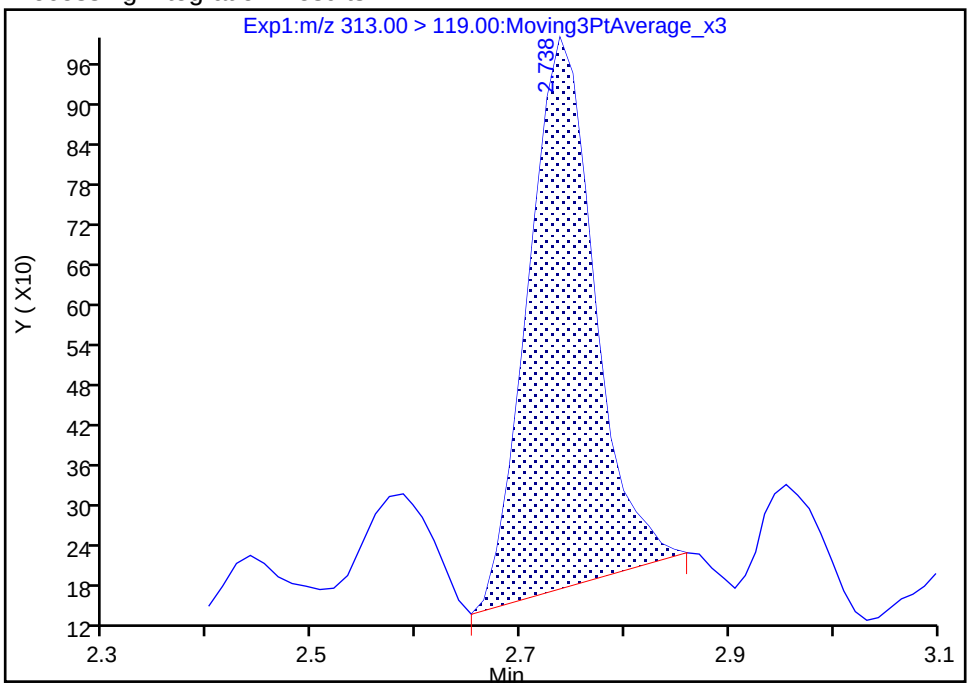
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Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

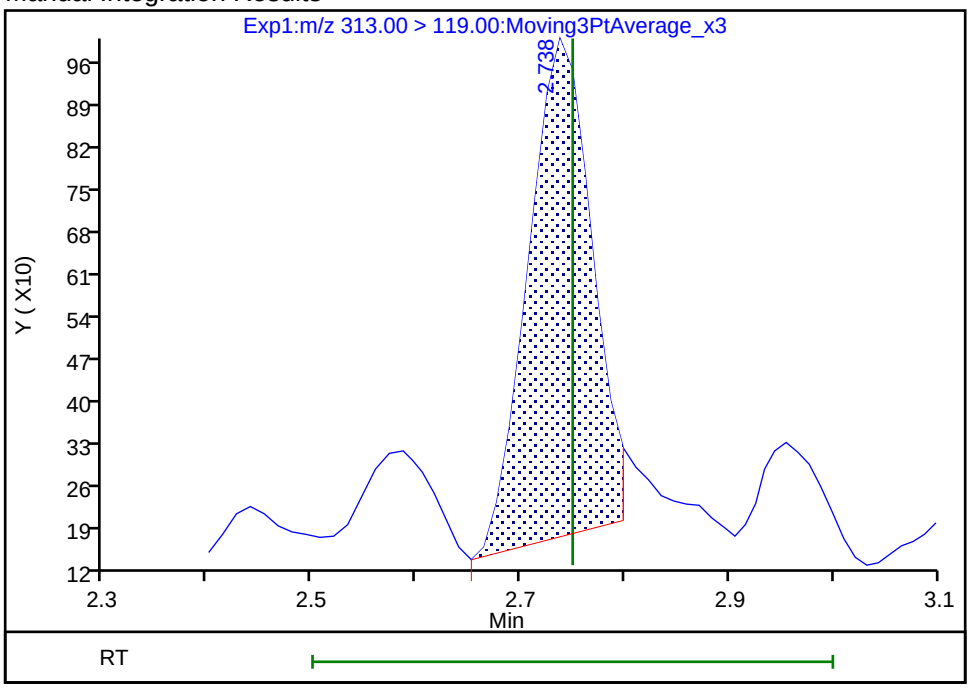
Processing Integration Results

RT: 2.74
Area: 3666
Amount: 0.030434
Amount Units: ng/ml



Manual Integration Results

RT: 2.74
Area: 3494
Amount: 0.024735
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:58:03
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

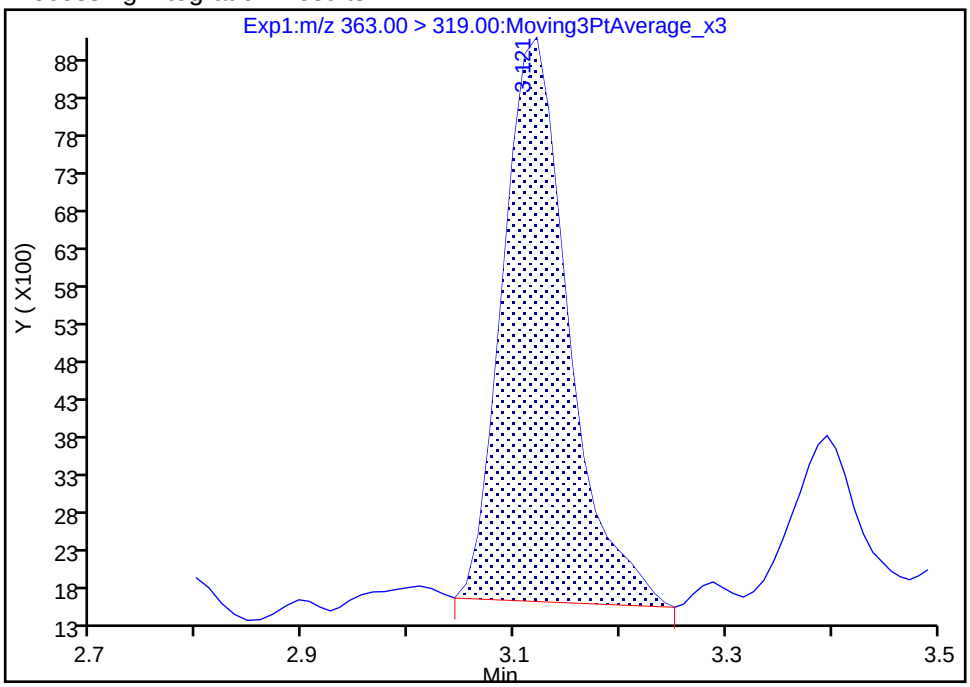
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Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

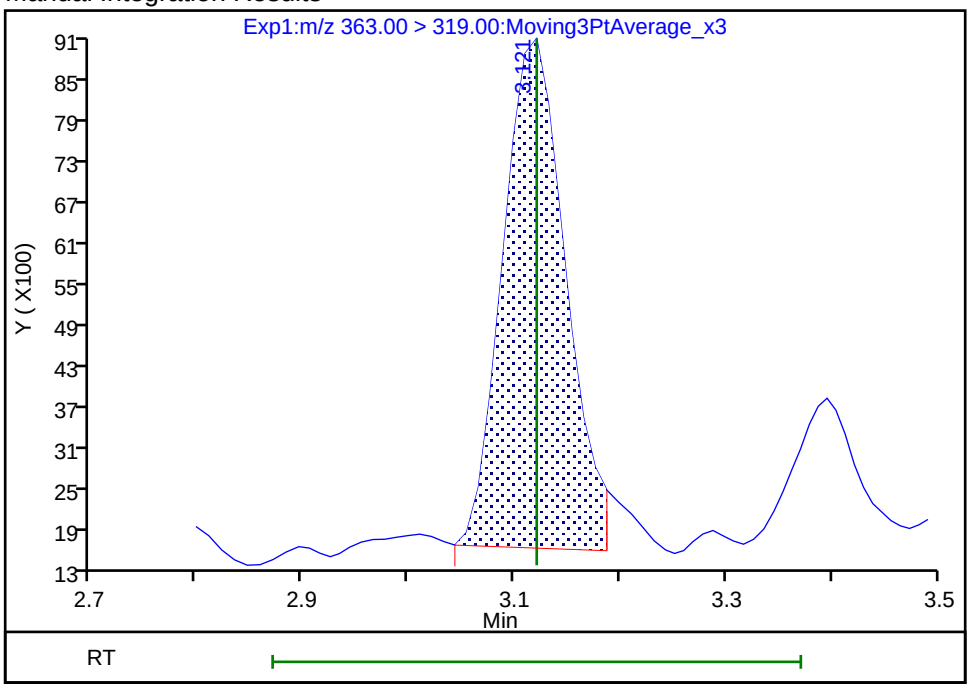
Processing Integration Results

RT: 3.12
Area: 32462
Amount: 0.023111
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 30890
Amount: 0.022007
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:58:28
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

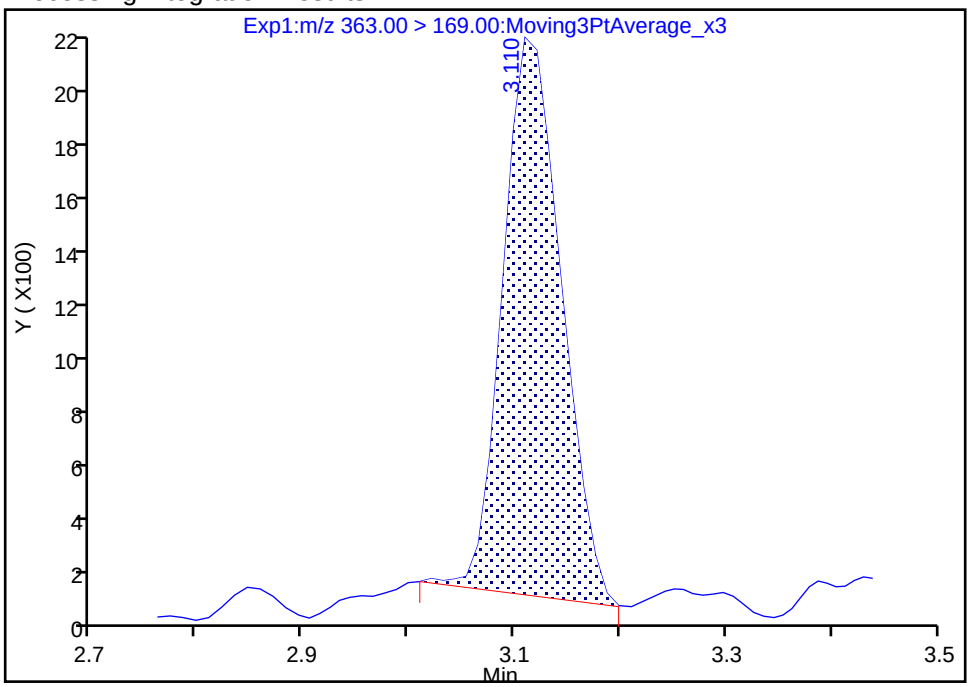
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B15.d				
Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

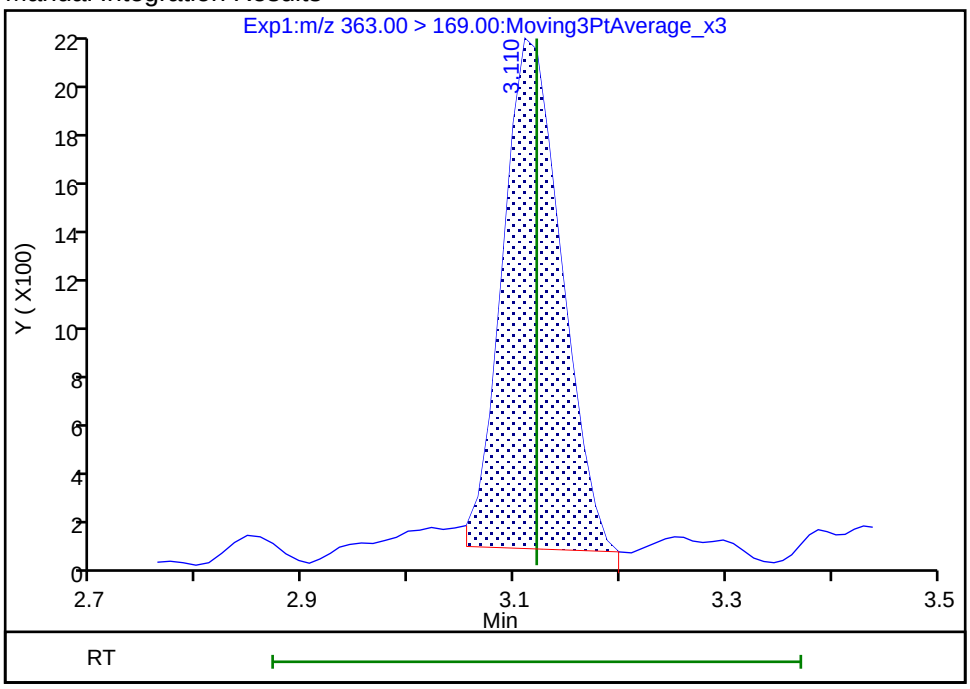
Processing Integration Results

RT: 3.11
Area: 7869
Amount: 0.023111
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 7993
Amount: 0.022007
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:58:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

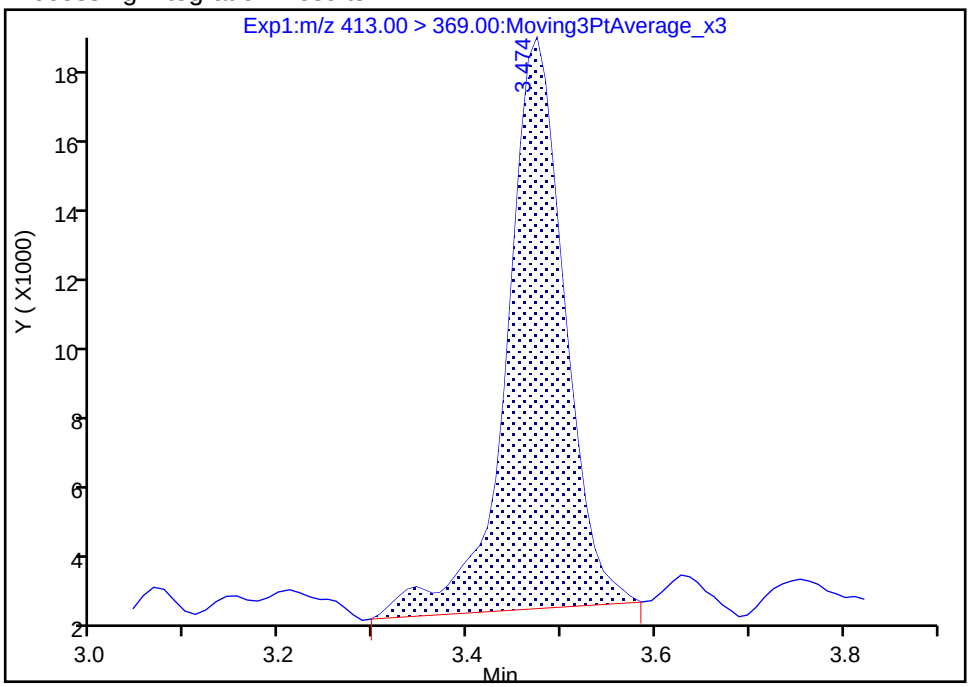
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Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

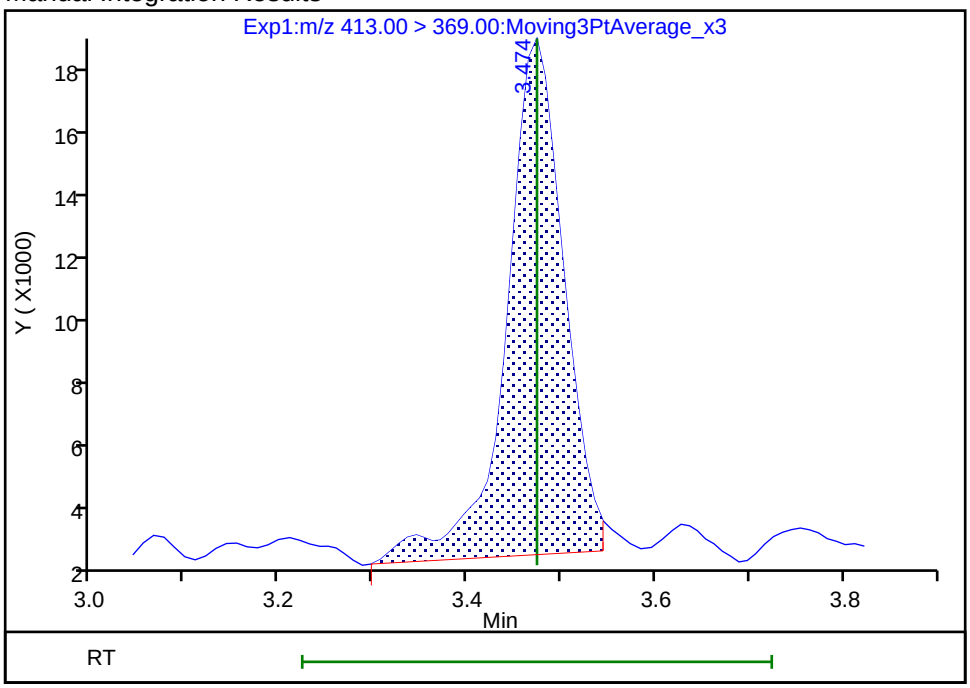
Processing Integration Results

RT: 3.47
Area: 69952
Amount: 0.045179
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 68947
Amount: 0.044530
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:59:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

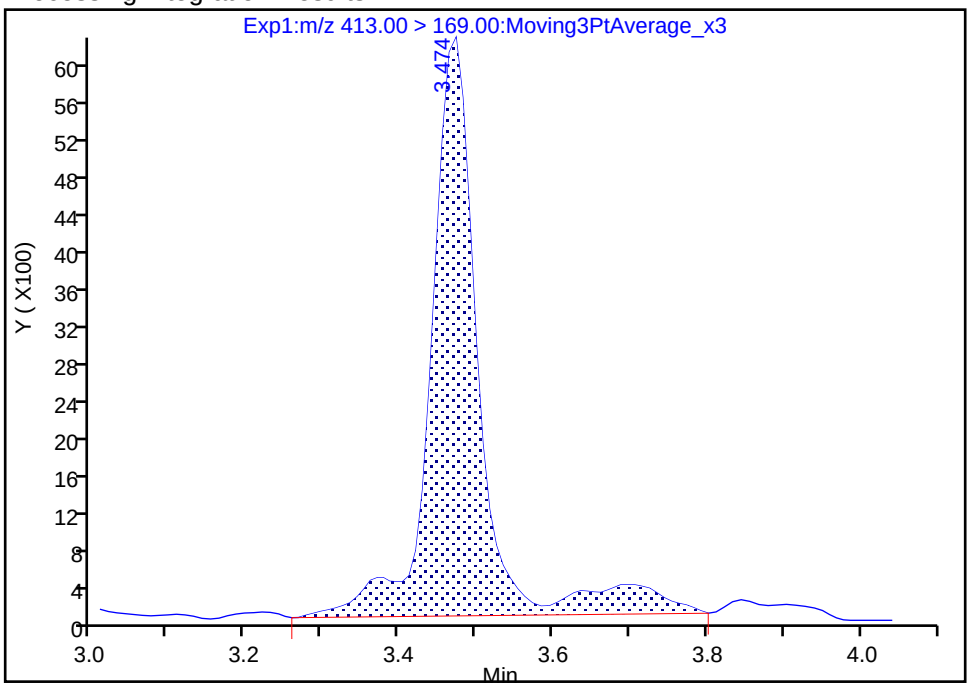
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Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

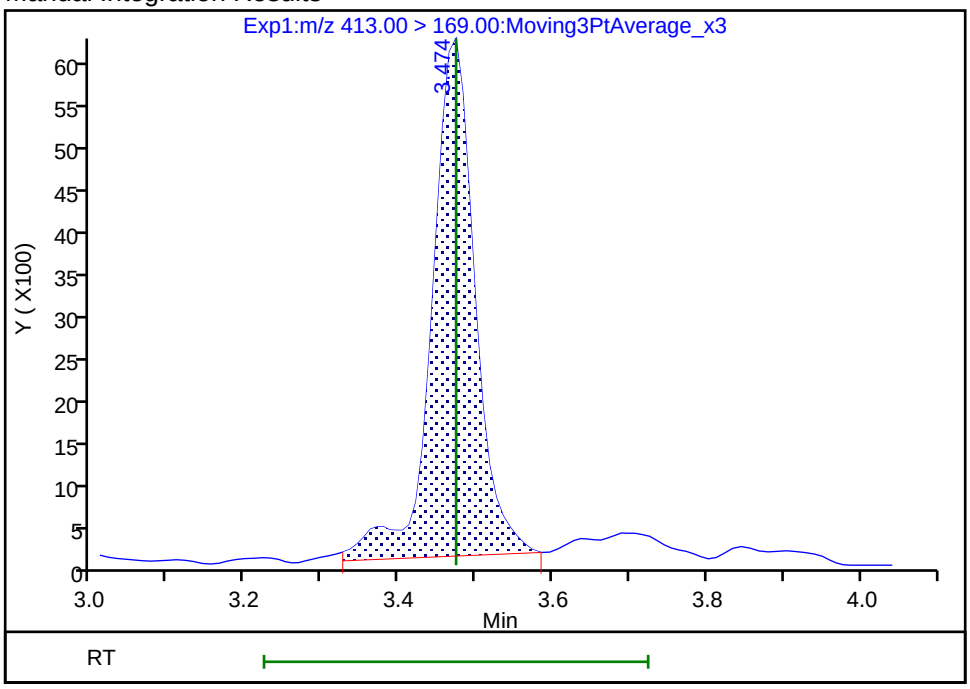
Processing Integration Results

RT: 3.47
Area: 27613
Amount: 0.045179
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 24011
Amount: 0.044530
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:59:29
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

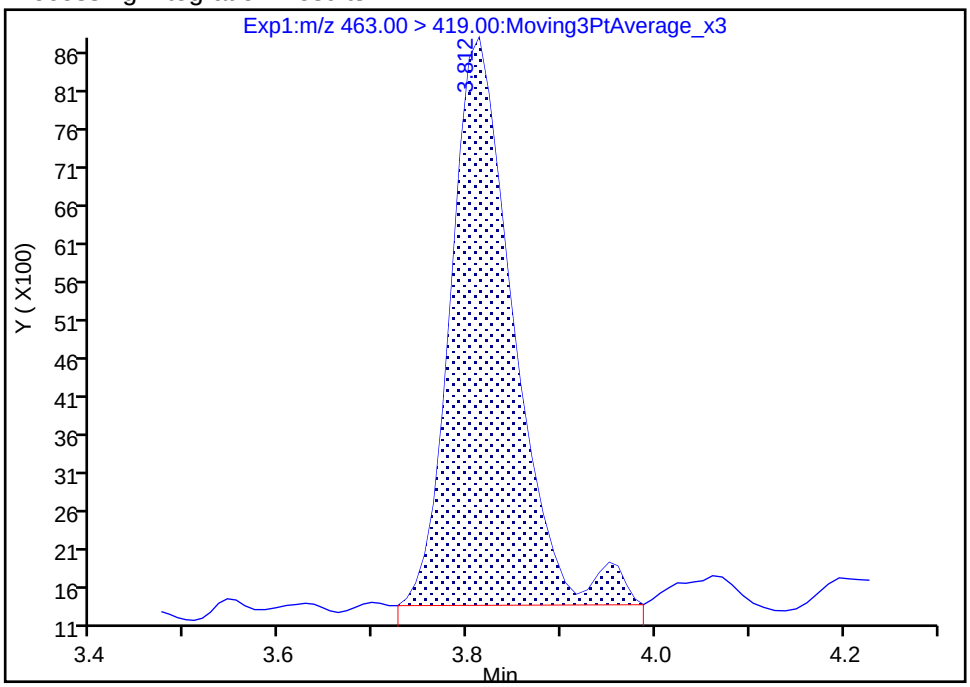
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Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

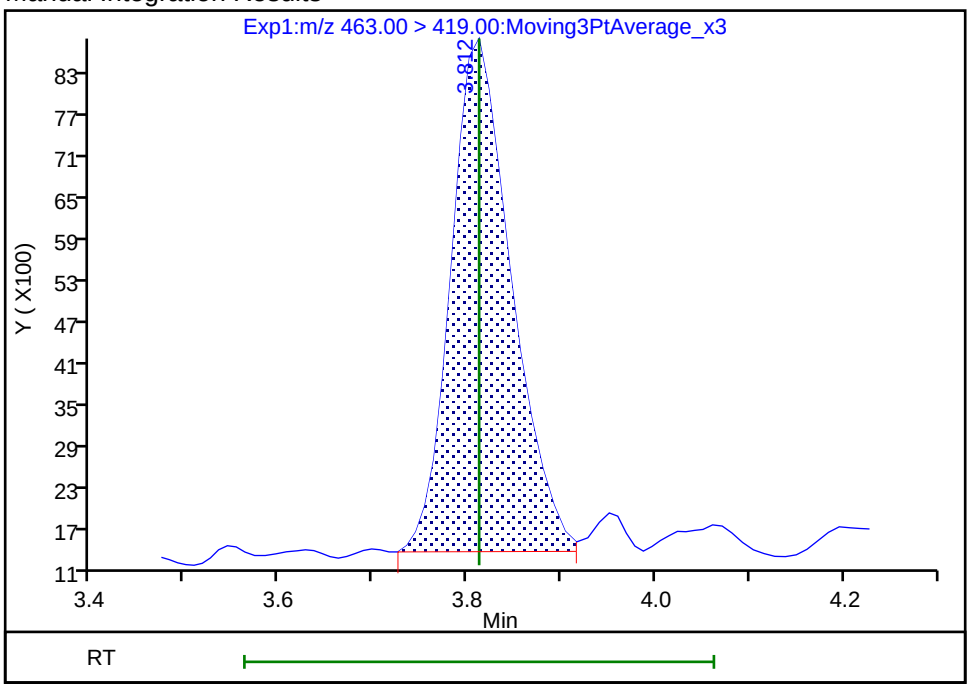
Processing Integration Results

RT: 3.81
Area: 34512
Amount: 0.023151
Amount Units: ng/ml



Manual Integration Results

RT: 3.81
Area: 33251
Amount: 0.022466
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:01:40

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

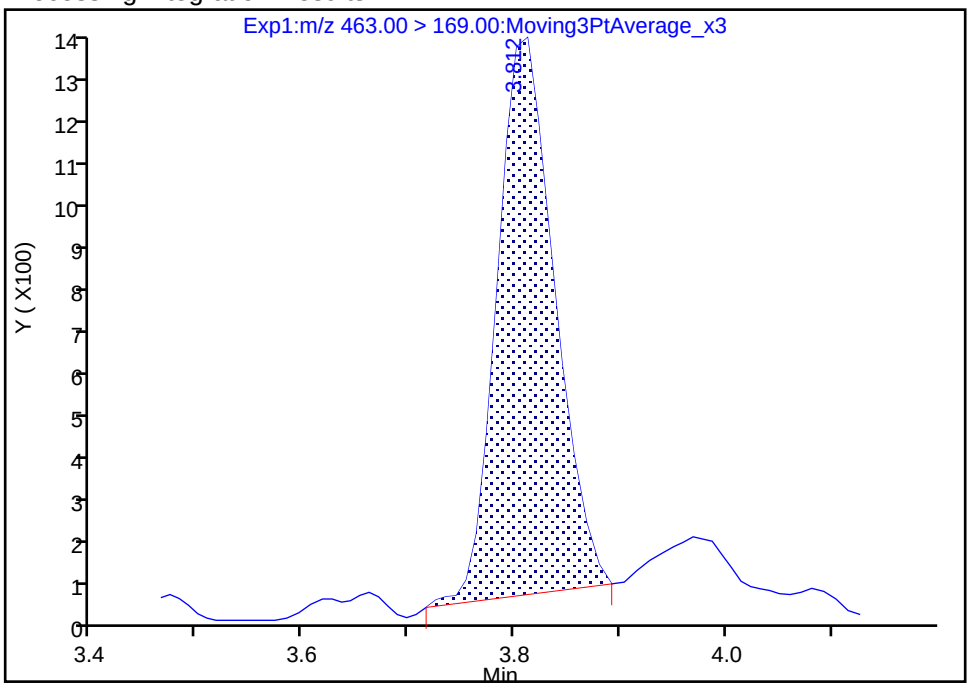
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B15.d				
Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

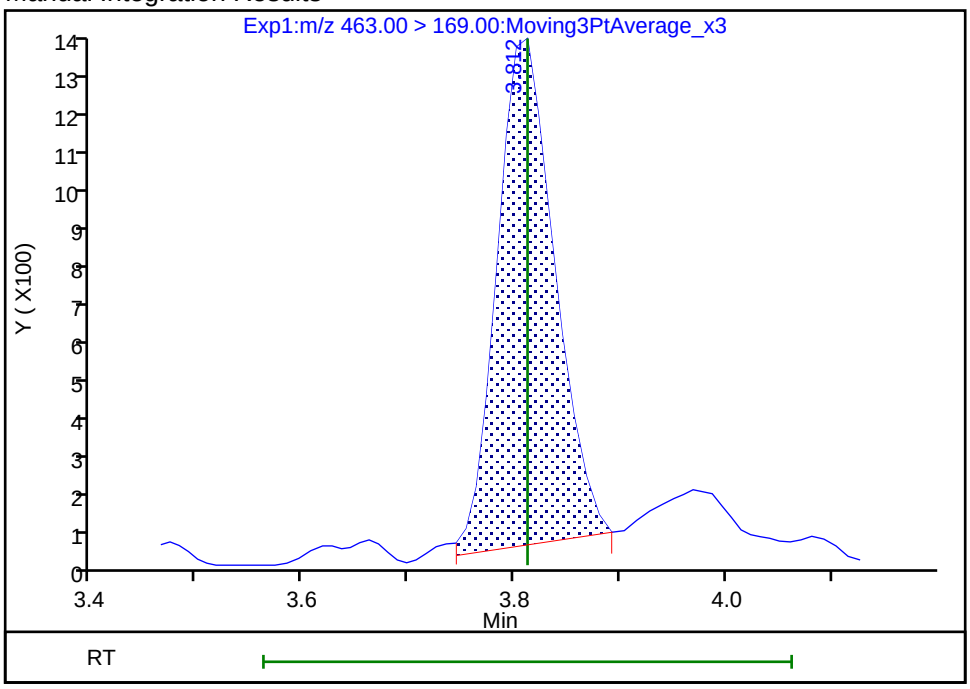
Processing Integration Results

RT: 3.81
Area: 4739
Amount: 0.023151
Amount Units: ng/ml



Manual Integration Results

RT: 3.81
Area: 4776
Amount: 0.022466
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:01:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

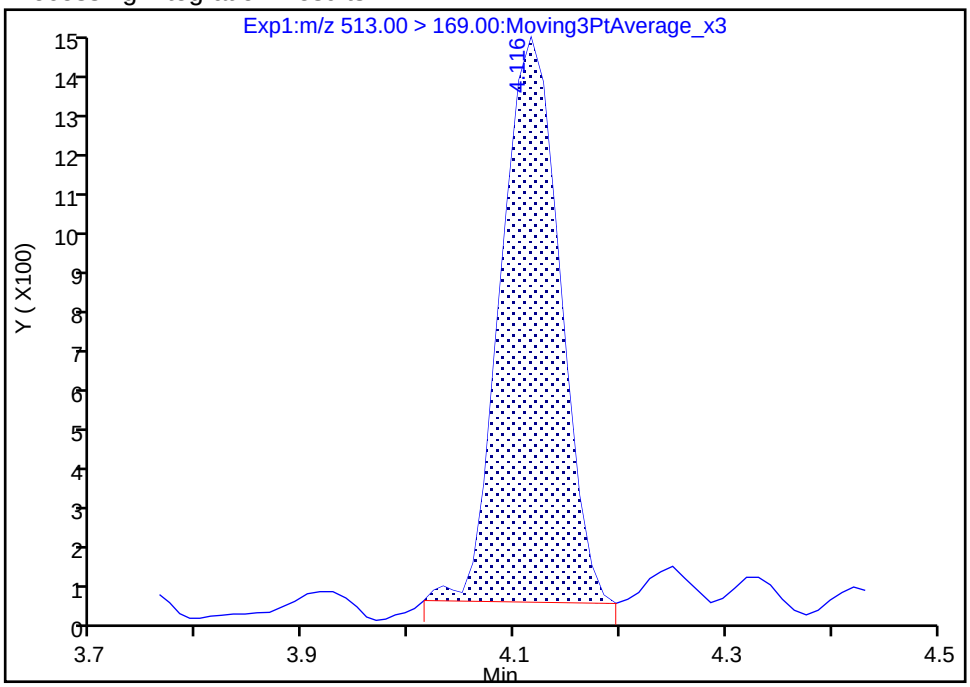
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Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

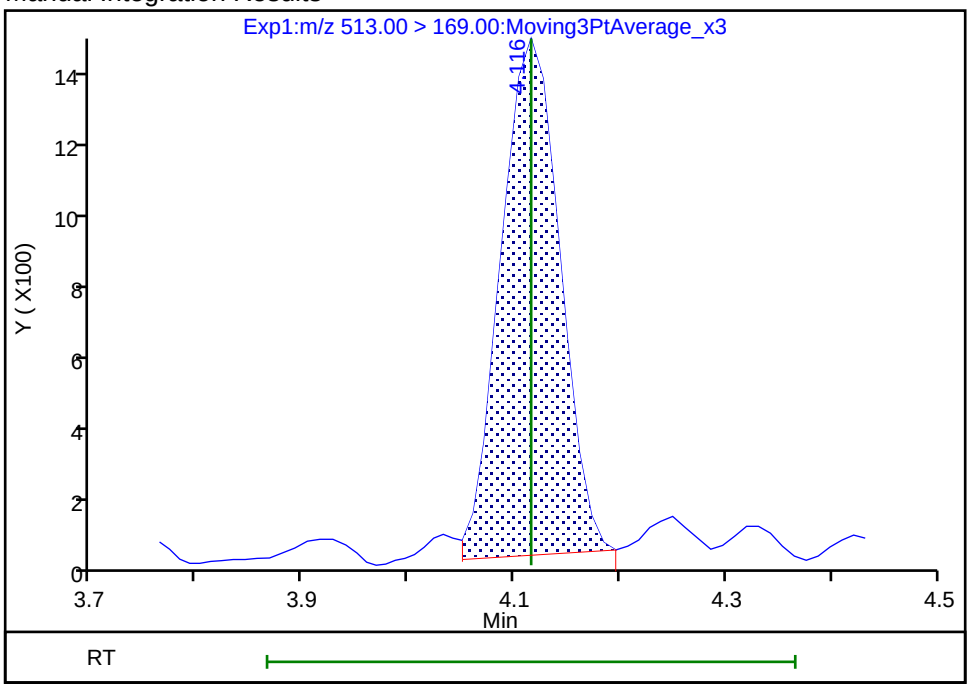
Processing Integration Results

RT: 4.12
Area: 5186
Amount: 0.039364
Amount Units: ng/ml



Manual Integration Results

RT: 4.12
Area: 5267
Amount: 0.039598
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:02:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

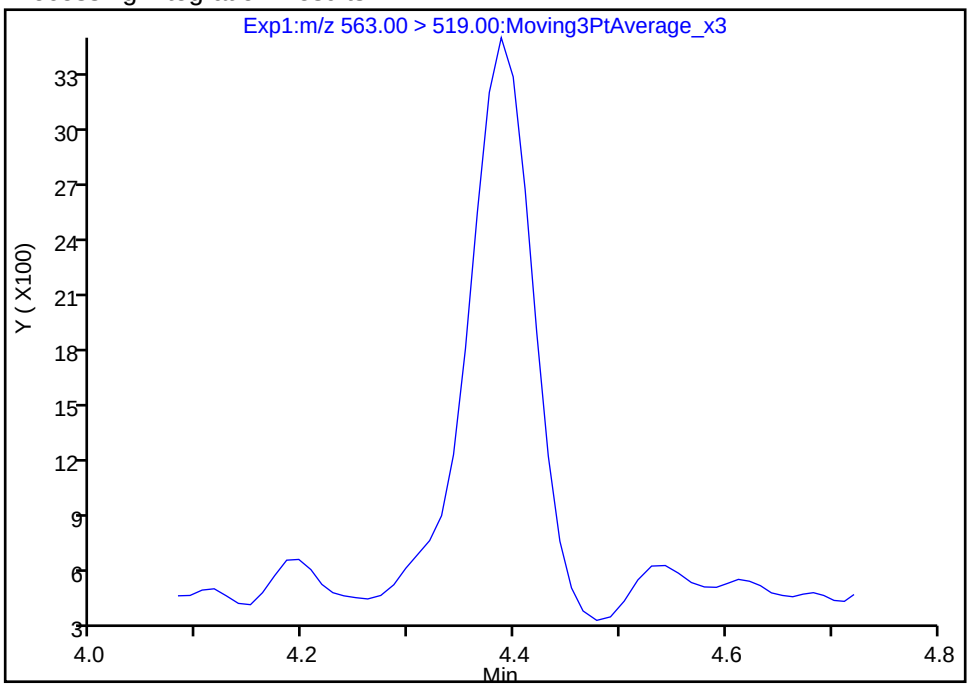
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Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

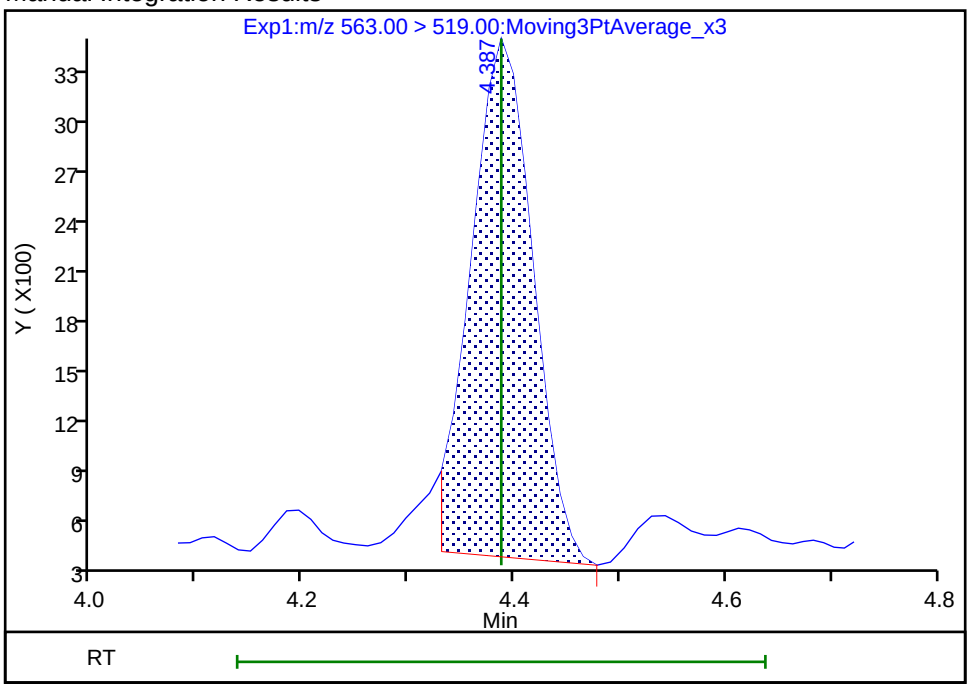
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.39
Area: 12612
Amount: 0.010536
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:03:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

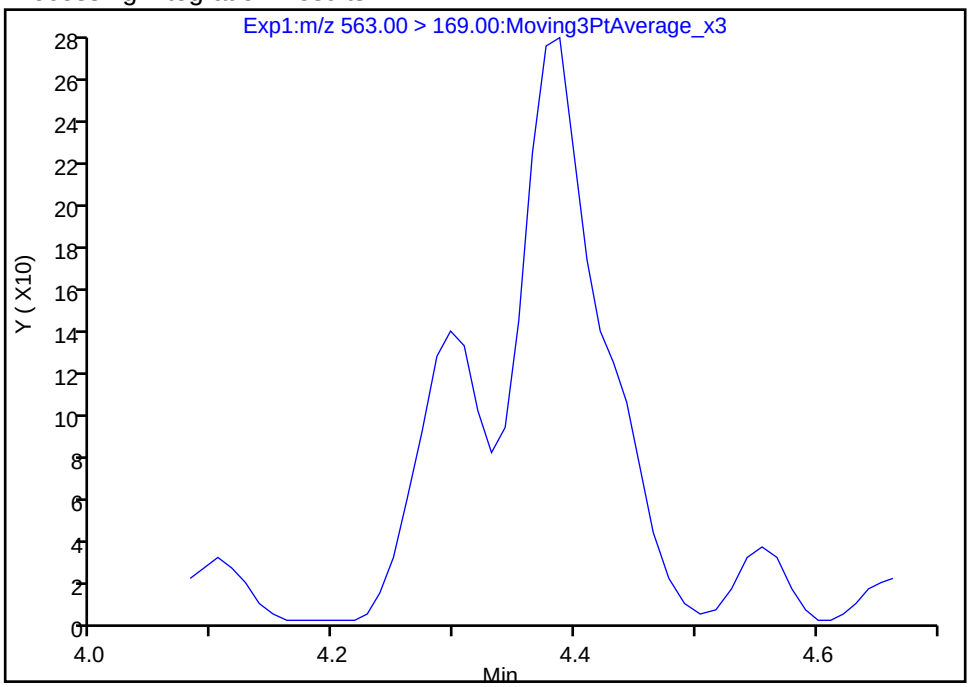
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B15.d				
Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

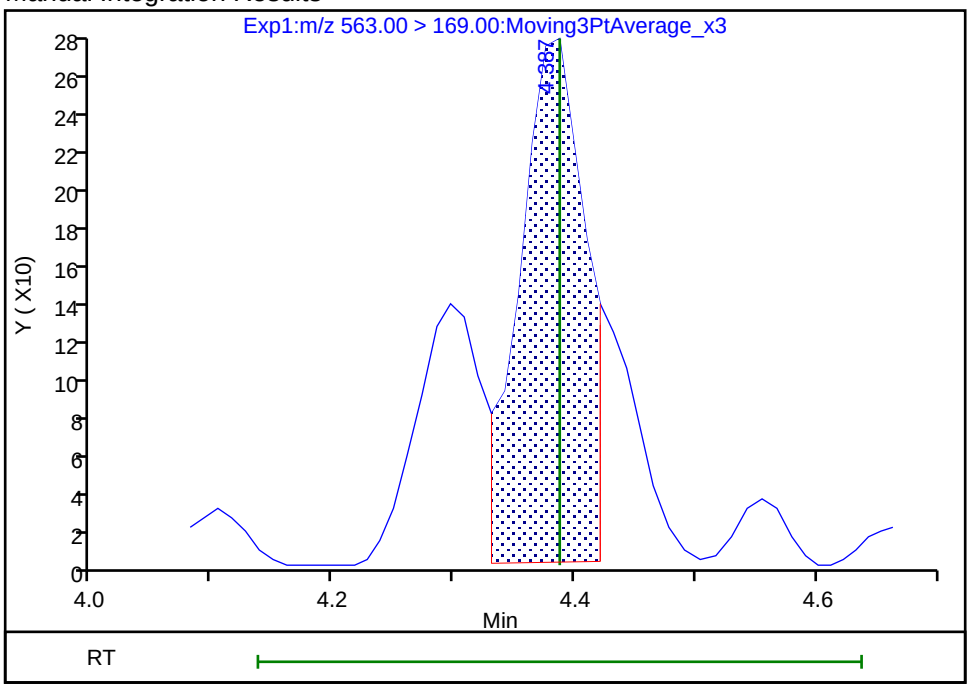
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.39
Area: 1016
Amount: 0.010536
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:04:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

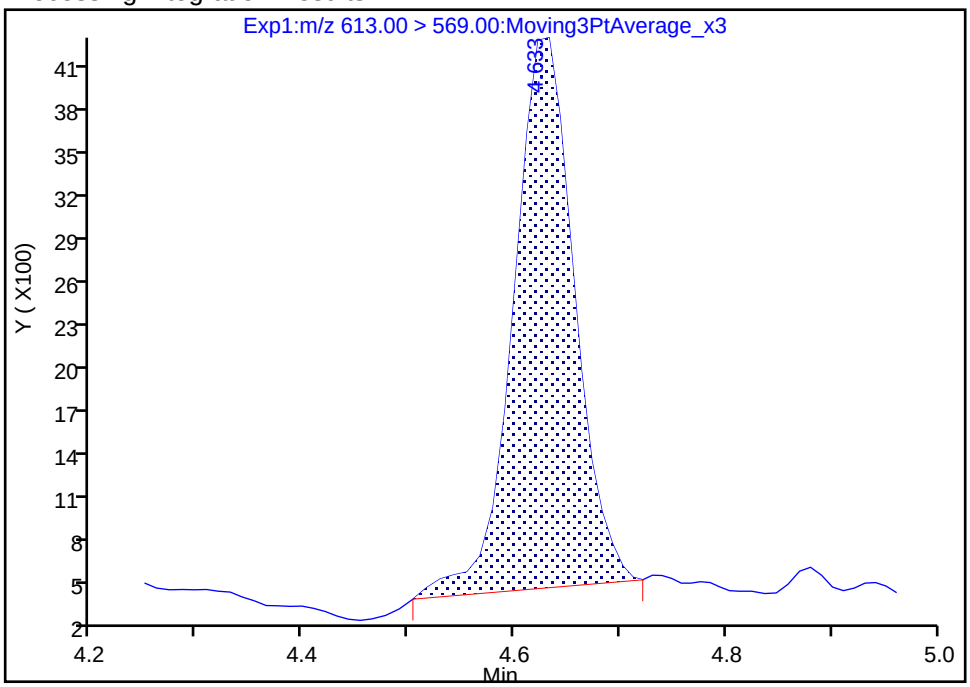
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B15.d				
Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

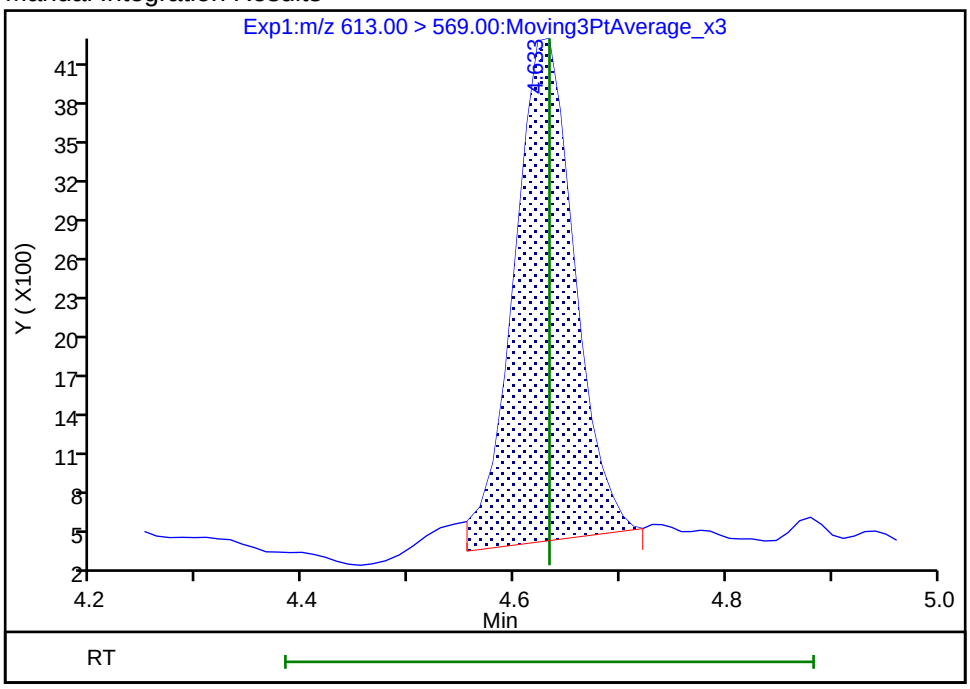
Processing Integration Results

RT: 4.63
Area: 15296
Amount: 0.013512
Amount Units: ng/ml



Manual Integration Results

RT: 4.63
Area: 15329
Amount: 0.013641
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:04:30

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

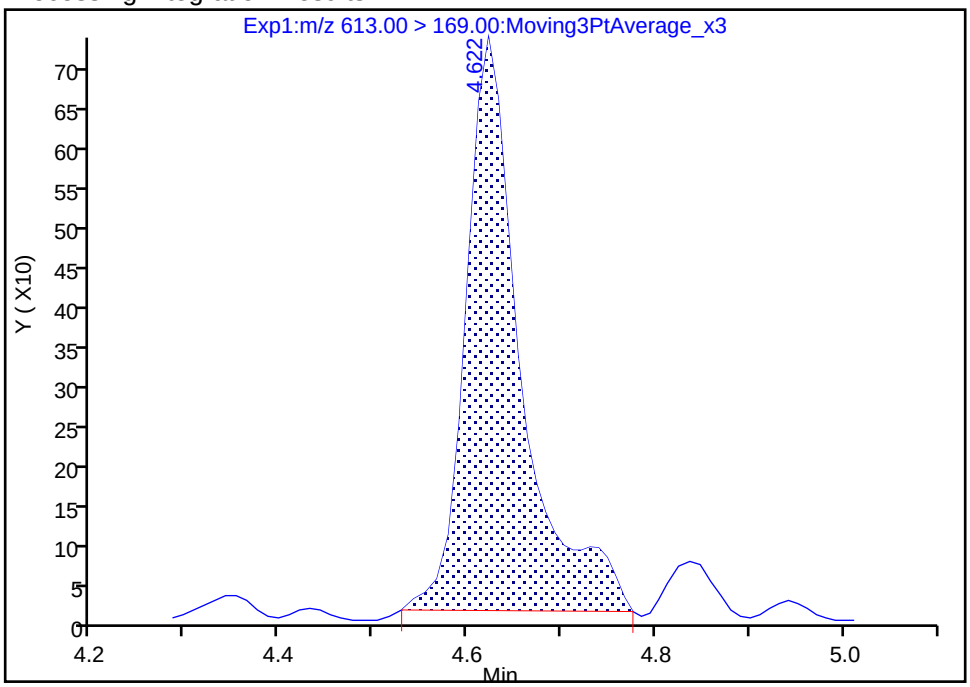
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B15.d				
Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

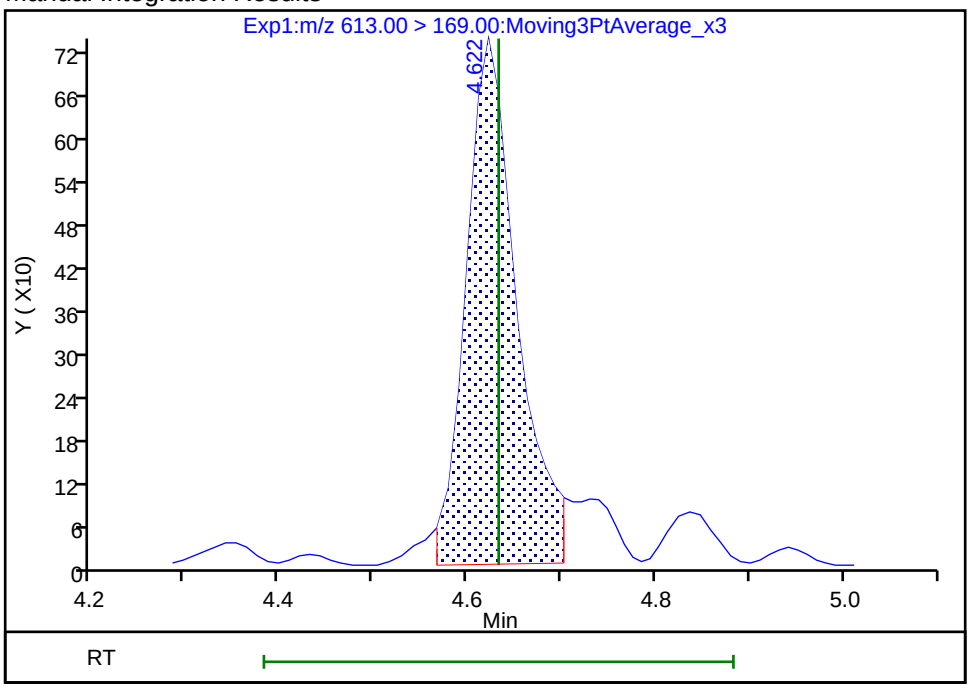
Processing Integration Results

RT: 4.62
Area: 2951
Amount: 0.013512
Amount Units: ng/ml



Manual Integration Results

RT: 4.62
Area: 2728
Amount: 0.013641
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:04:33

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

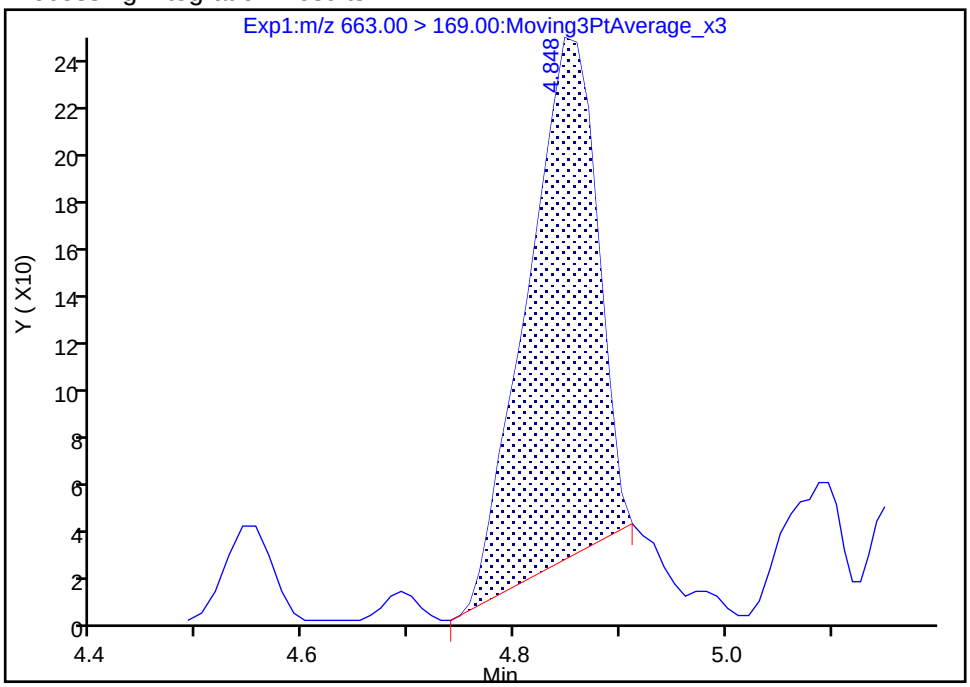
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B15.d				
Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

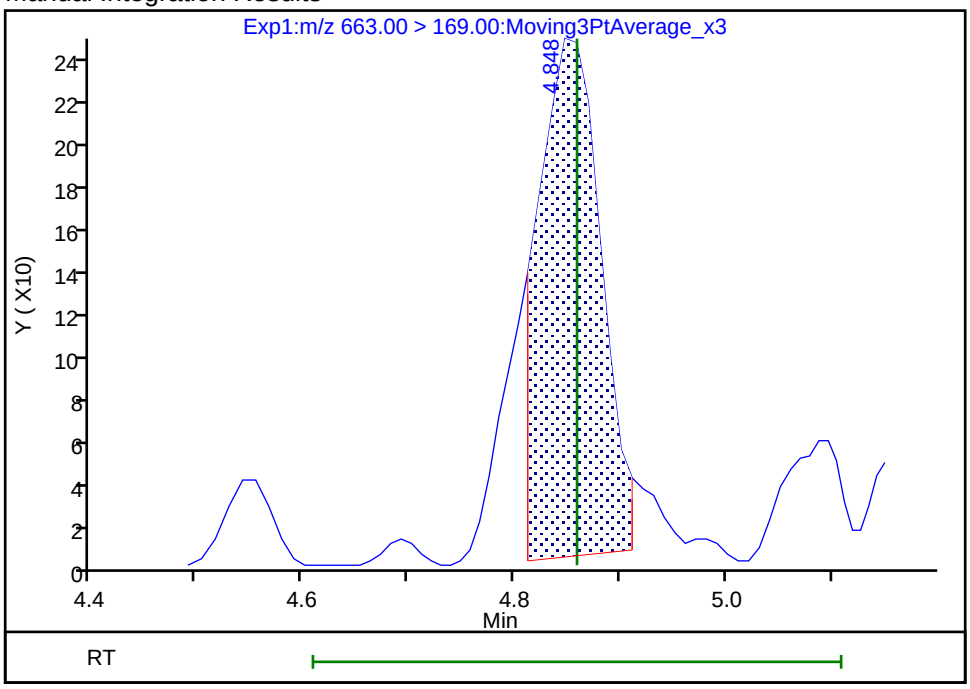
Processing Integration Results

RT: 4.85
Area: 990
Amount: 0.002825
Amount Units: ng/ml



Manual Integration Results

RT: 4.85
Area: 943
Amount: 0.002846
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:04:44

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

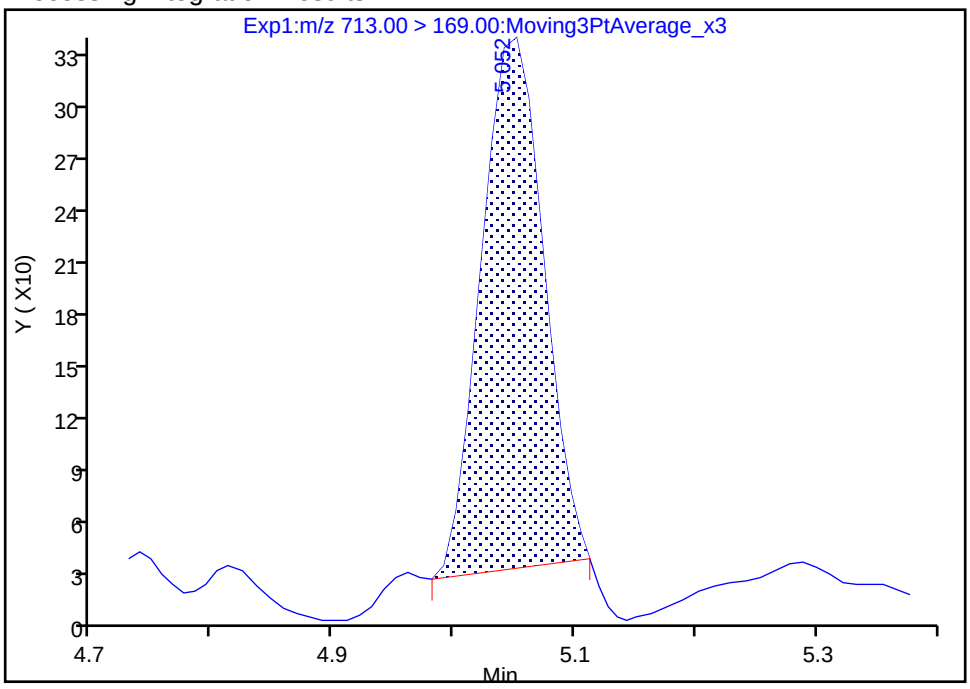
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B15.d				
Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

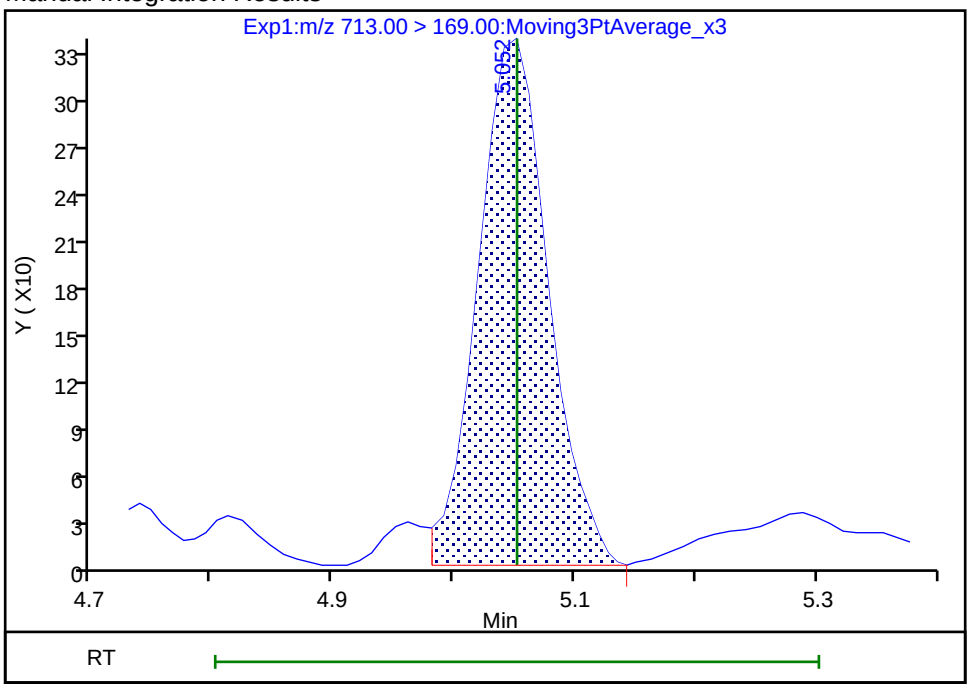
Processing Integration Results

RT: 5.05
Area: 1115
Amount: 0.007152
Amount Units: ng/ml



Manual Integration Results

RT: 5.05
Area: 1372
Amount: 0.008908
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:05:11
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

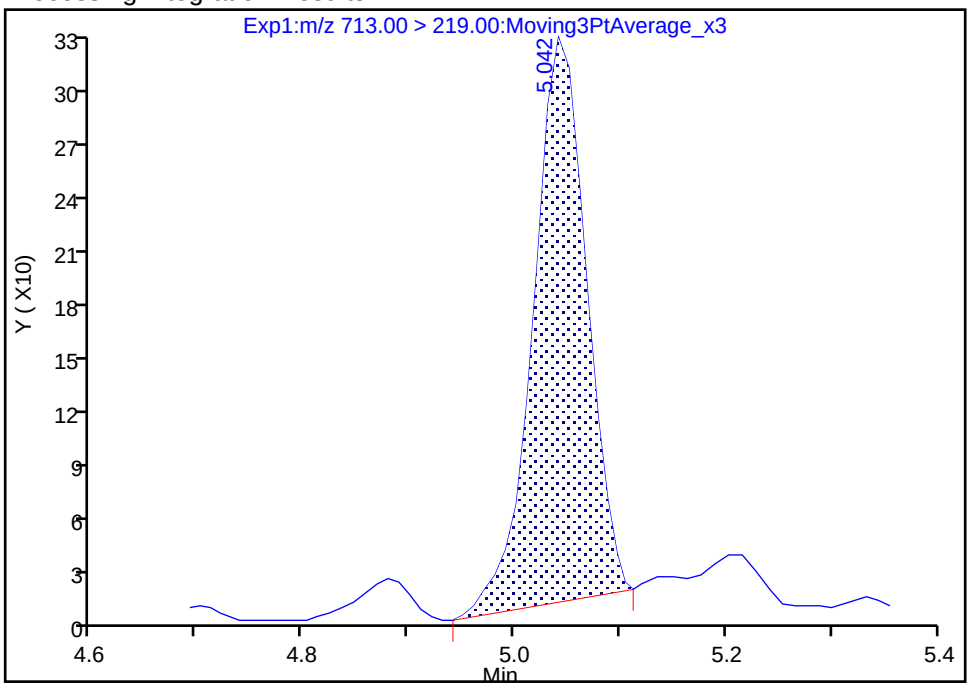
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Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

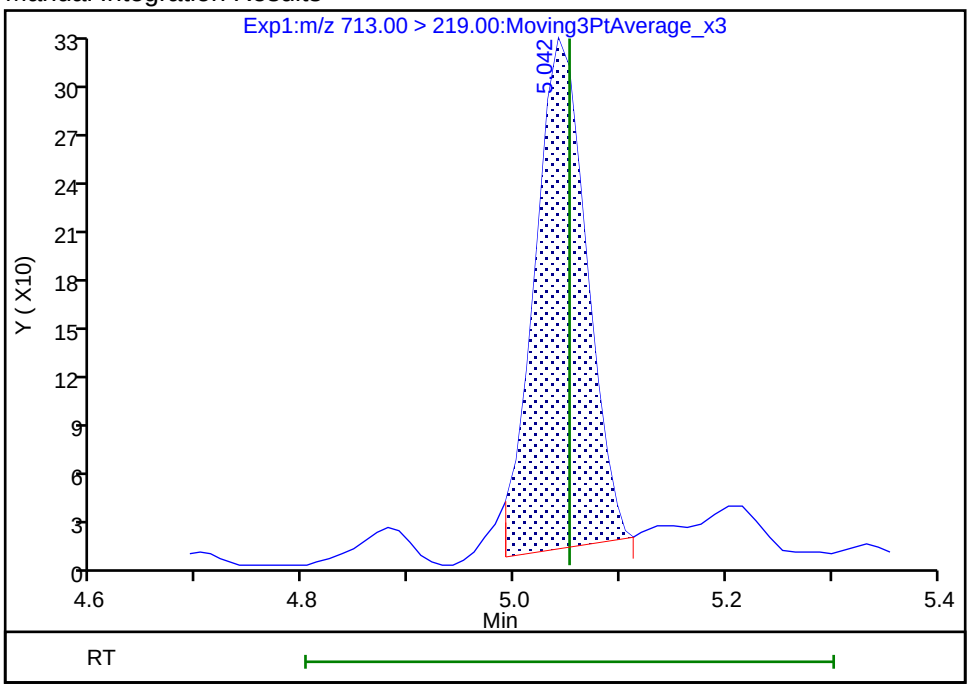
Processing Integration Results

RT: 5.04
Area: 1093
Amount: 0.007152
Amount Units: ng/ml



Manual Integration Results

RT: 5.04
Area: 1057
Amount: 0.008908
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:05:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

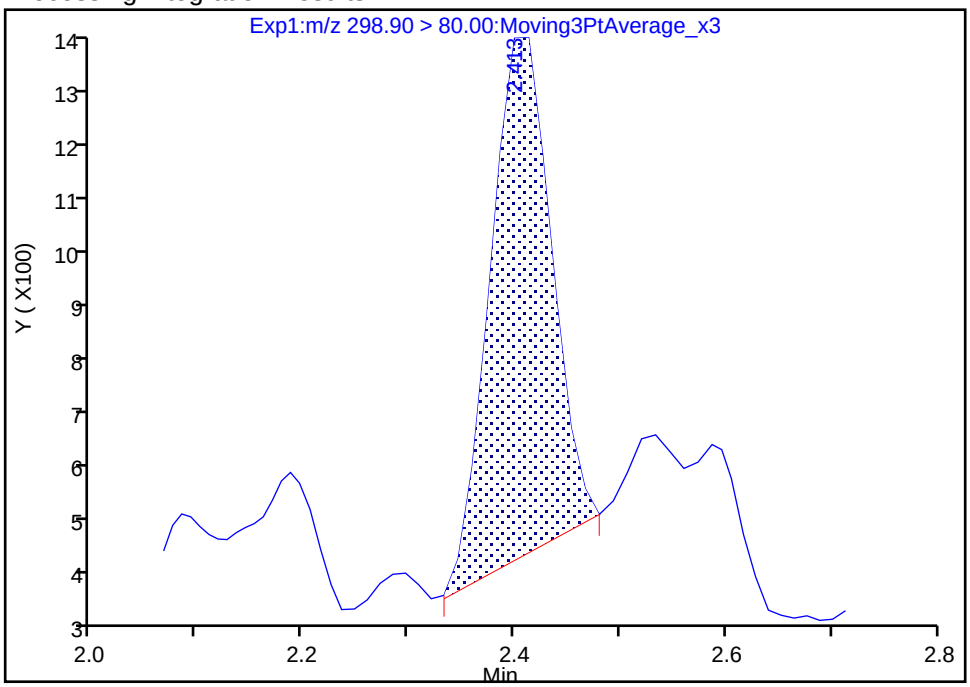
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Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

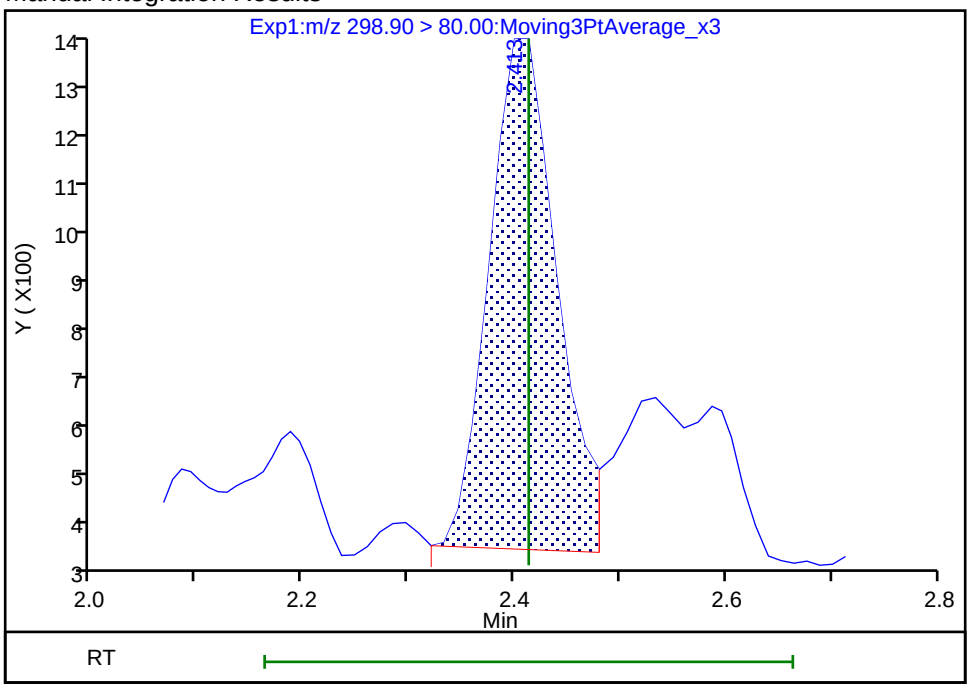
Processing Integration Results

RT: 2.41
Area: 3691
Amount: 0.002614
Amount Units: ng/ml



Manual Integration Results

RT: 2.41
Area: 4408
Amount: 0.003122
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:57:51

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

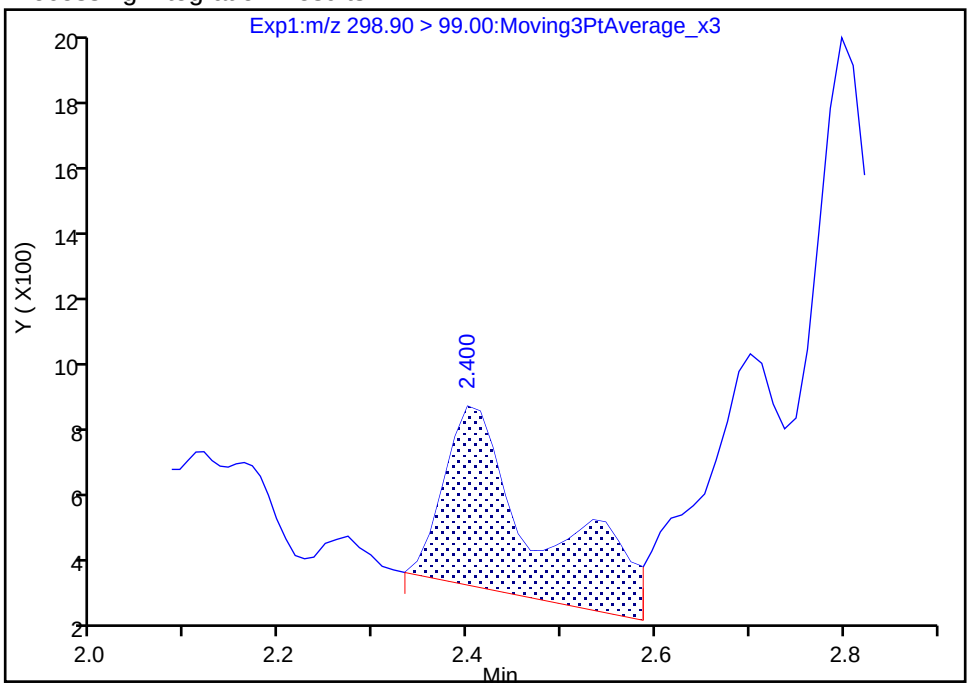
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B15.d				
Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

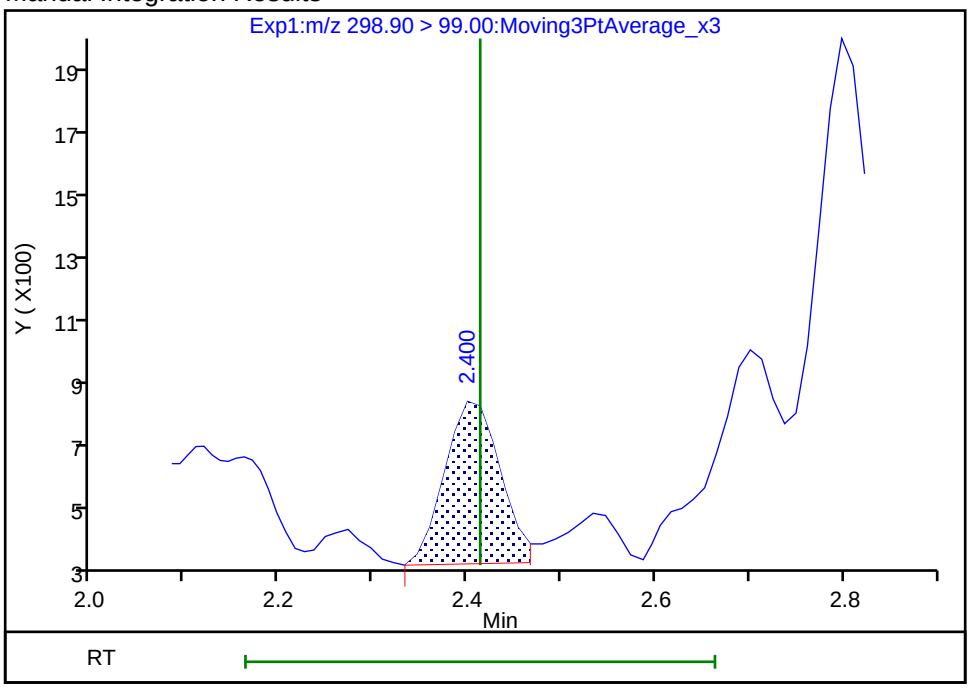
Processing Integration Results

RT: 2.40
Area: 3878
Amount: 0.002614
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 2053
Amount: 0.003122
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:57:53
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

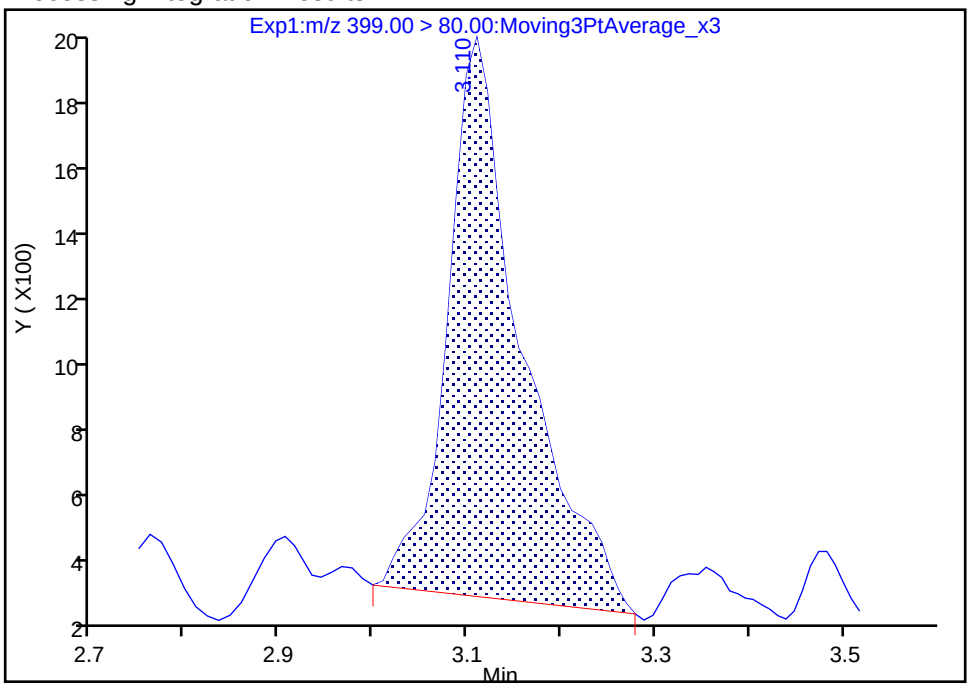
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B15.d				
Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

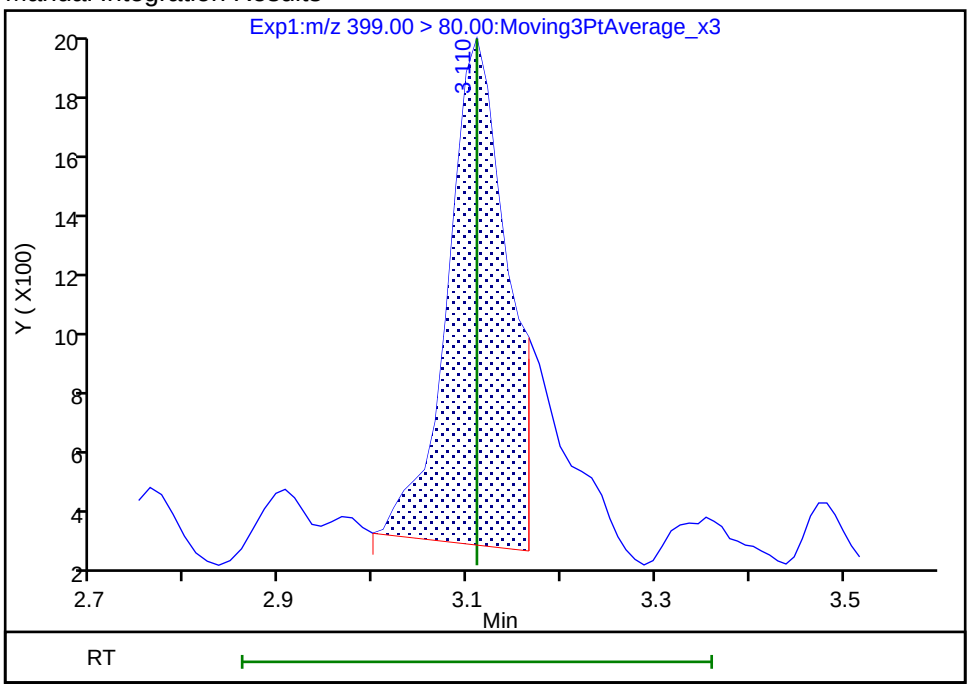
Processing Integration Results

RT: 3.11
Area: 9000
Amount: 0.008239
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 7107
Amount: 0.006506
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:58:18

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

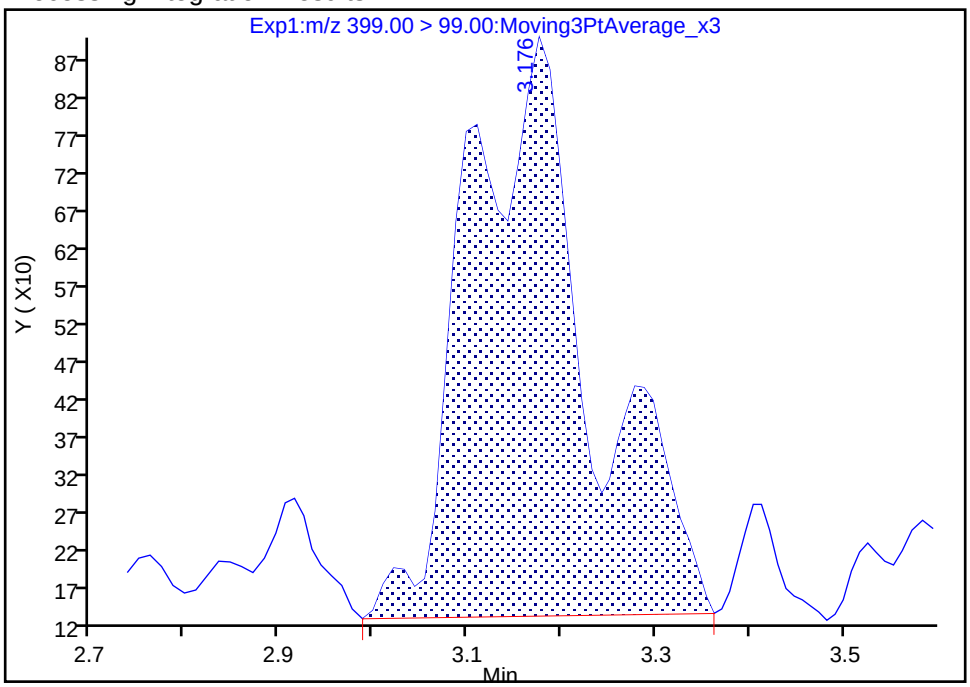
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B15.d				
Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

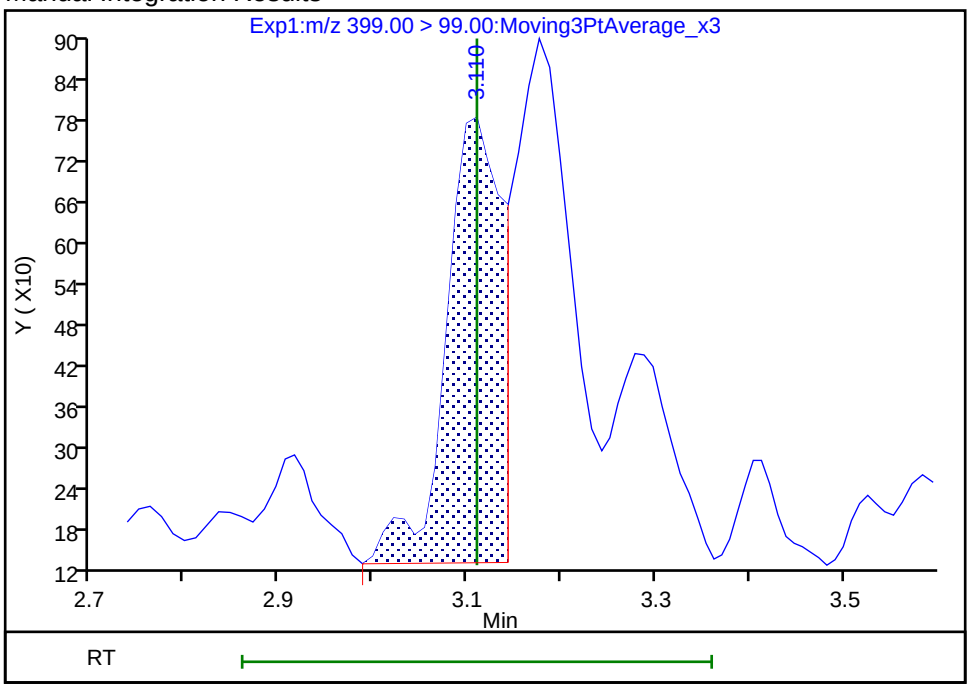
Processing Integration Results

RT: 3.18
Area: 7004
Amount: 0.008239
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 2622
Amount: 0.006506
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:58:20
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

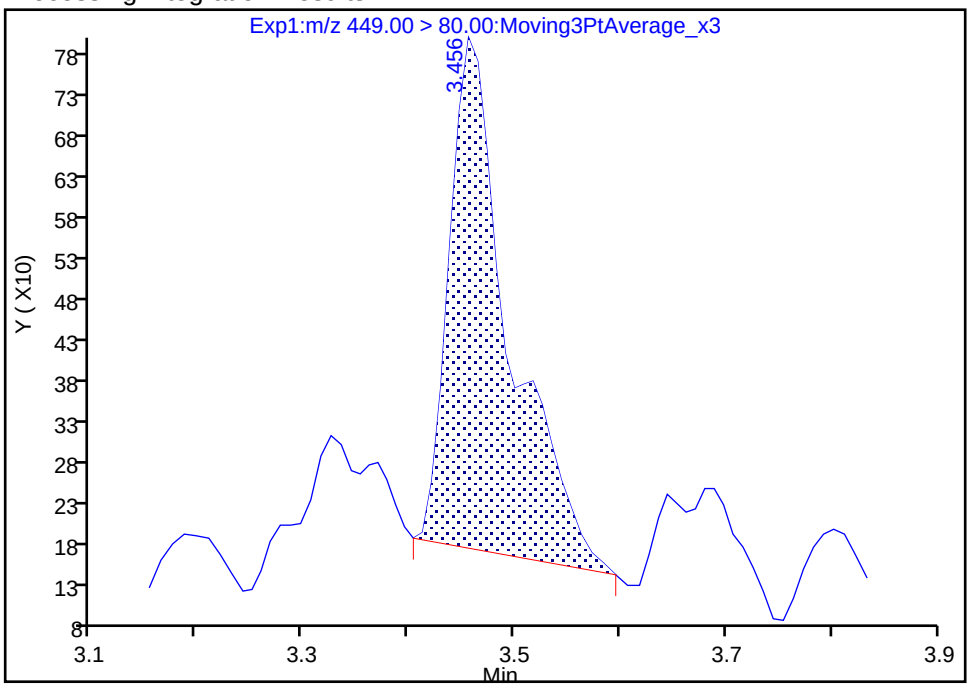
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B15.d				
Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

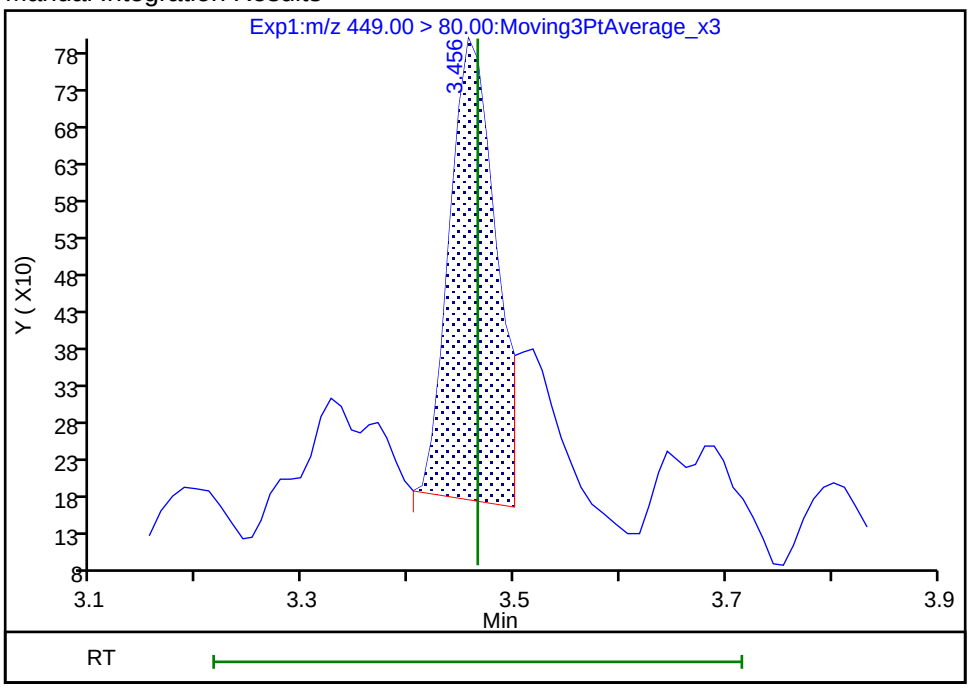
Processing Integration Results

RT: 3.46
Area: 2494
Amount: 0.002894
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 1885
Amount: 0.002187
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:59:06

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

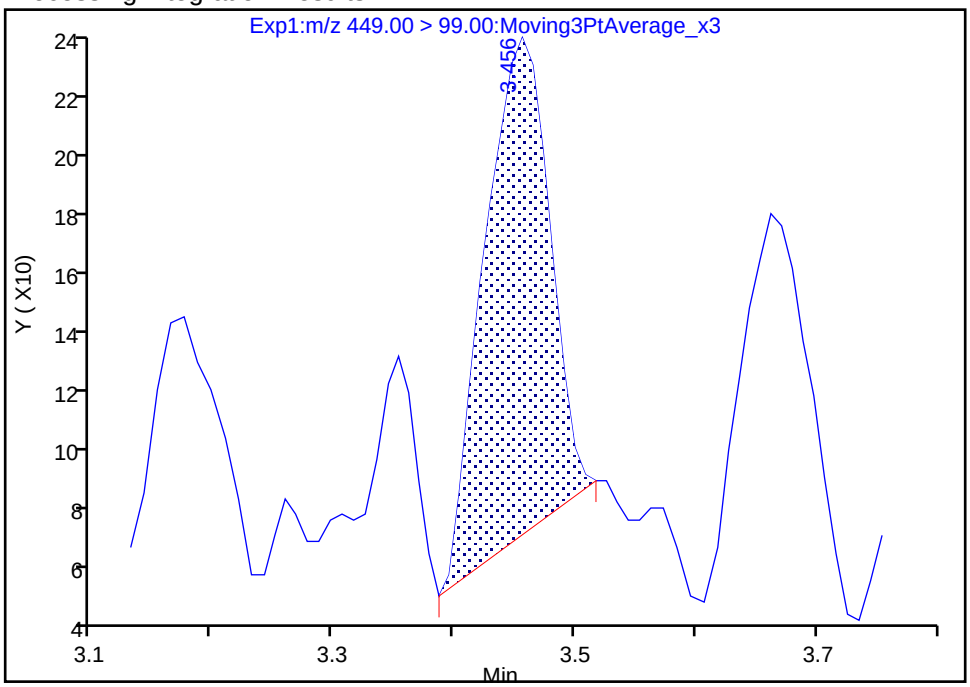
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Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

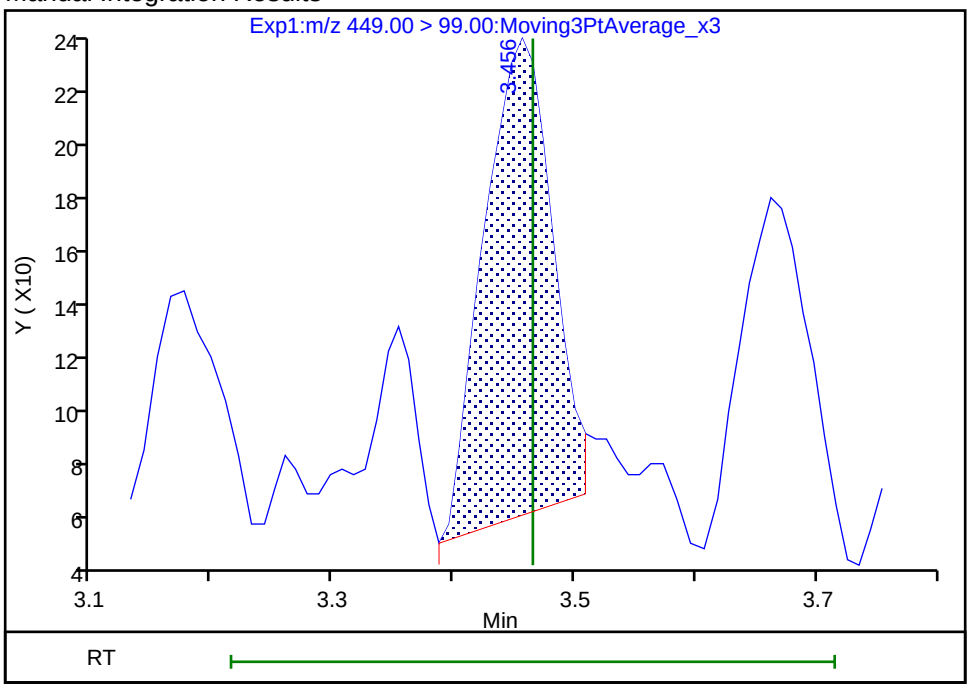
Processing Integration Results

RT: 3.46
Area: 618
Amount: 0.002894
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 681
Amount: 0.002187
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:59:12

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

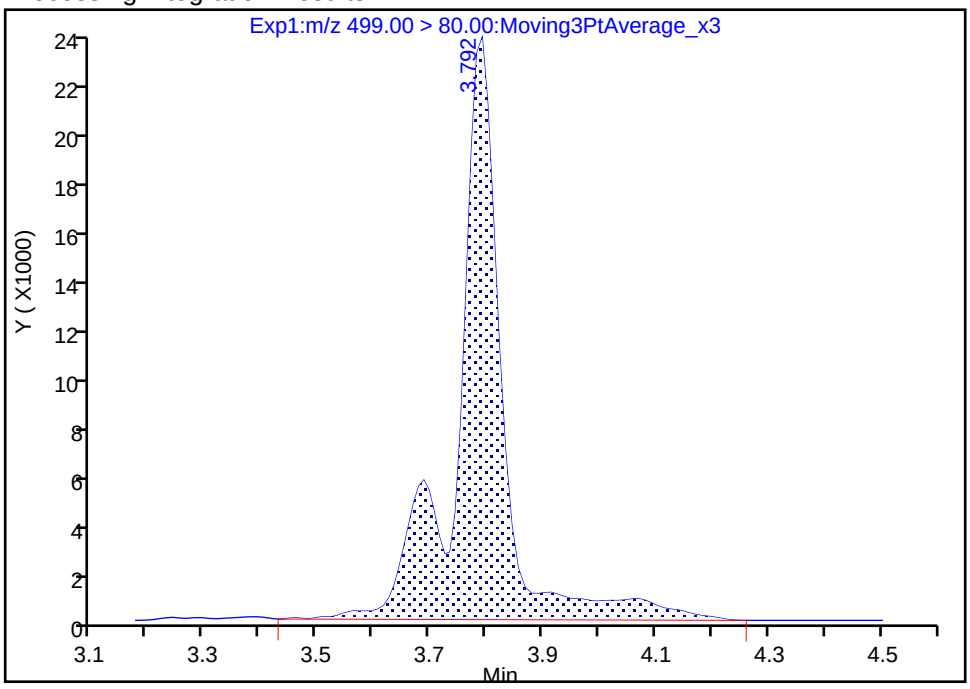
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Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

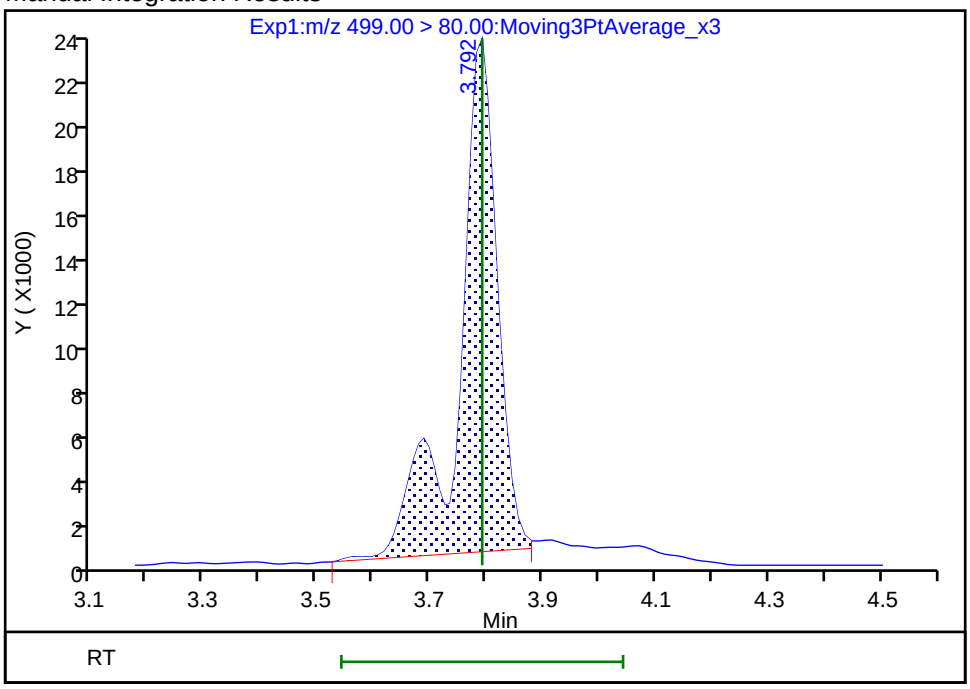
Processing Integration Results

RT: 3.79
Area: 131256
Amount: 0.170717
Amount Units: ng/ml



Manual Integration Results

RT: 3.79
Area: 108494
Amount: 0.137909
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:59:45

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

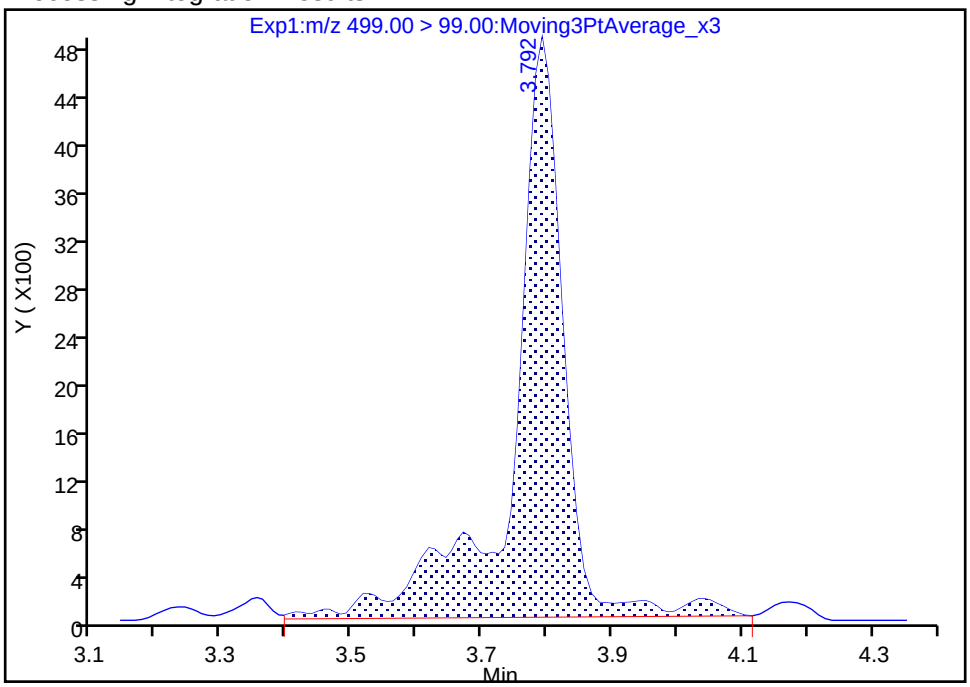
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Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

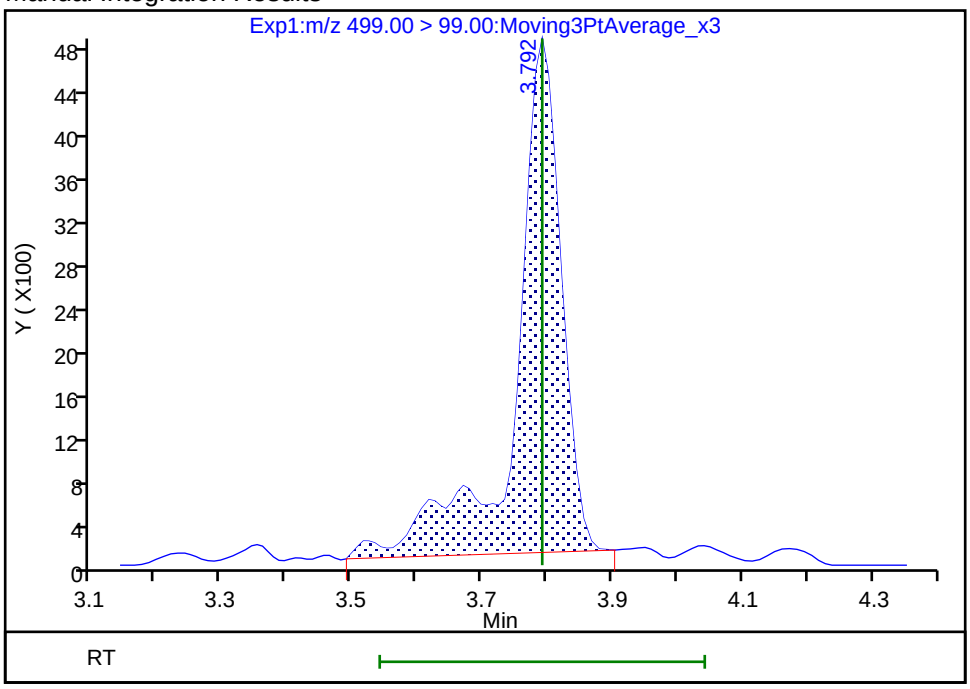
Processing Integration Results

RT: 3.79
Area: 26861
Amount: 0.170717
Amount Units: ng/ml



Manual Integration Results

RT: 3.79
Area: 23532
Amount: 0.137909
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:35:37

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

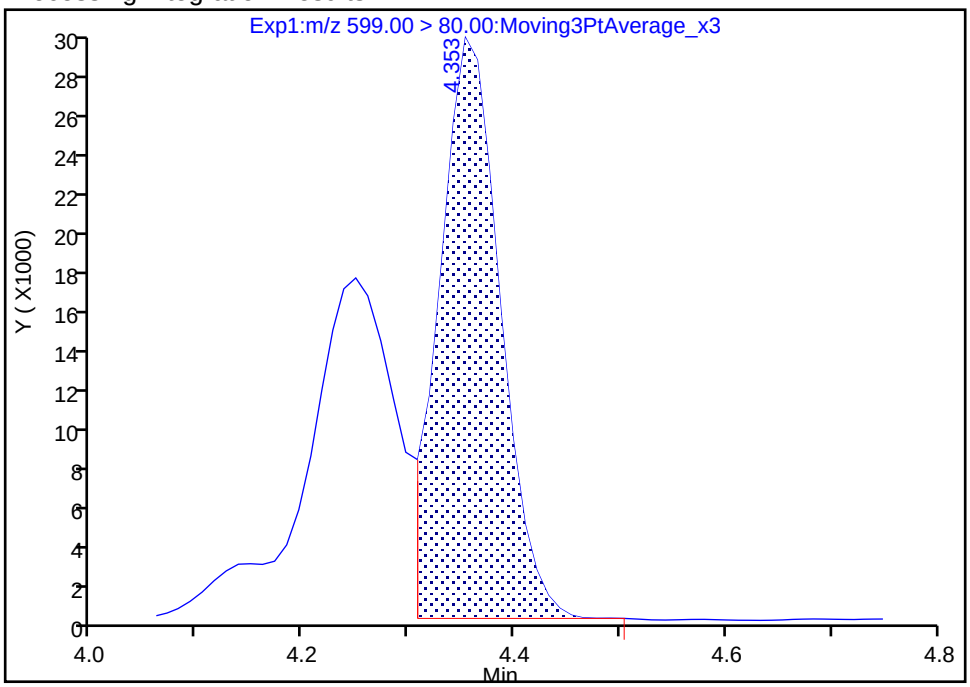
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B15.d				
Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

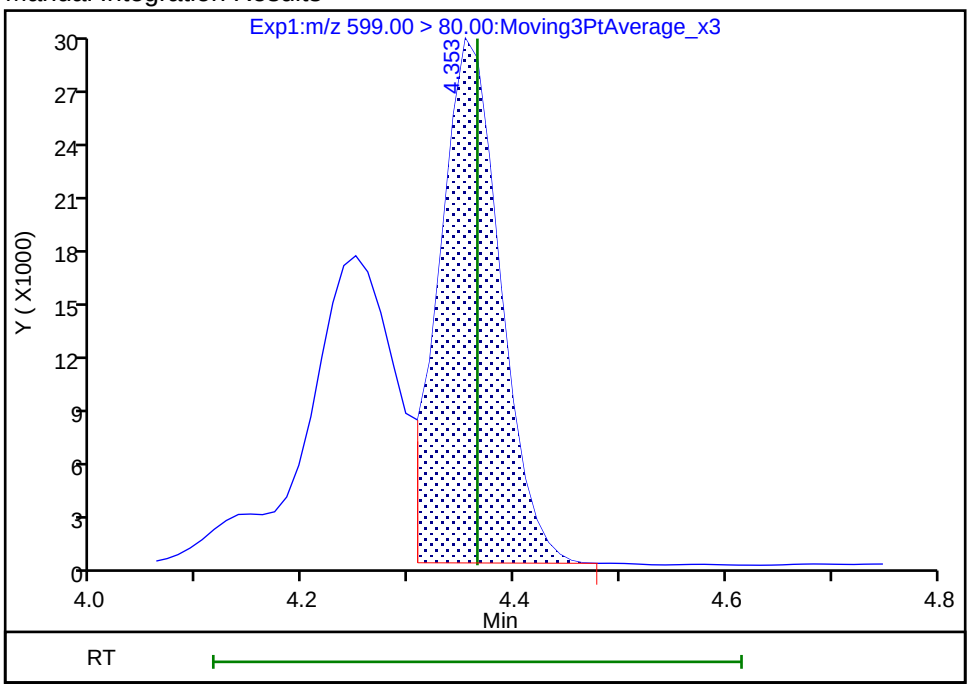
Processing Integration Results

RT: 4.35
Area: 116582
Amount: 0.286945
Amount Units: ng/ml



Manual Integration Results

RT: 4.35
Area: 116331
Amount: 0.286328
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:03:22

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

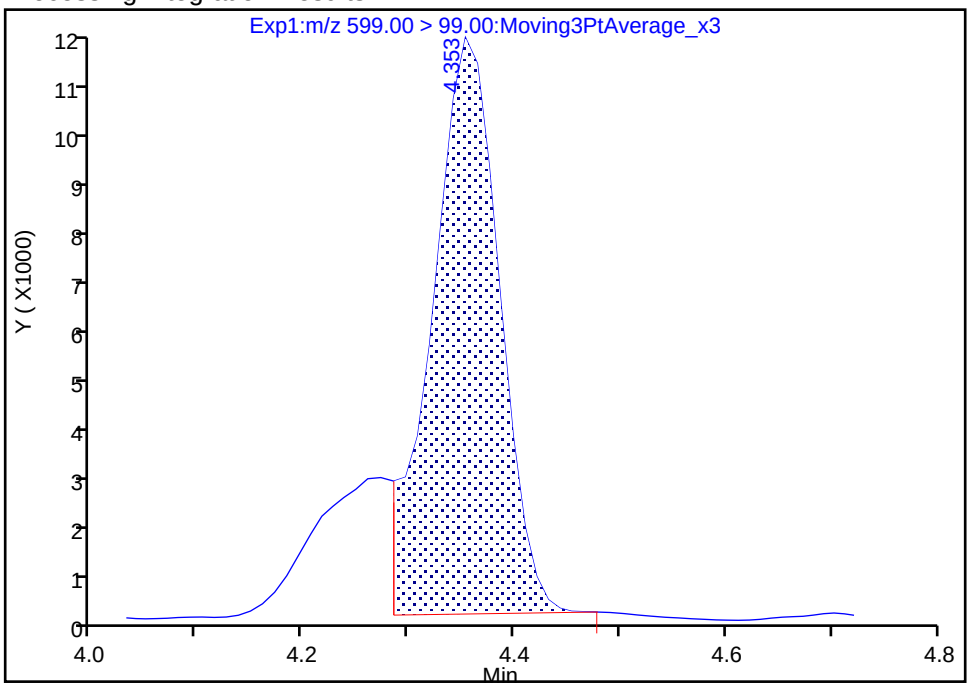
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B15.d				
Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

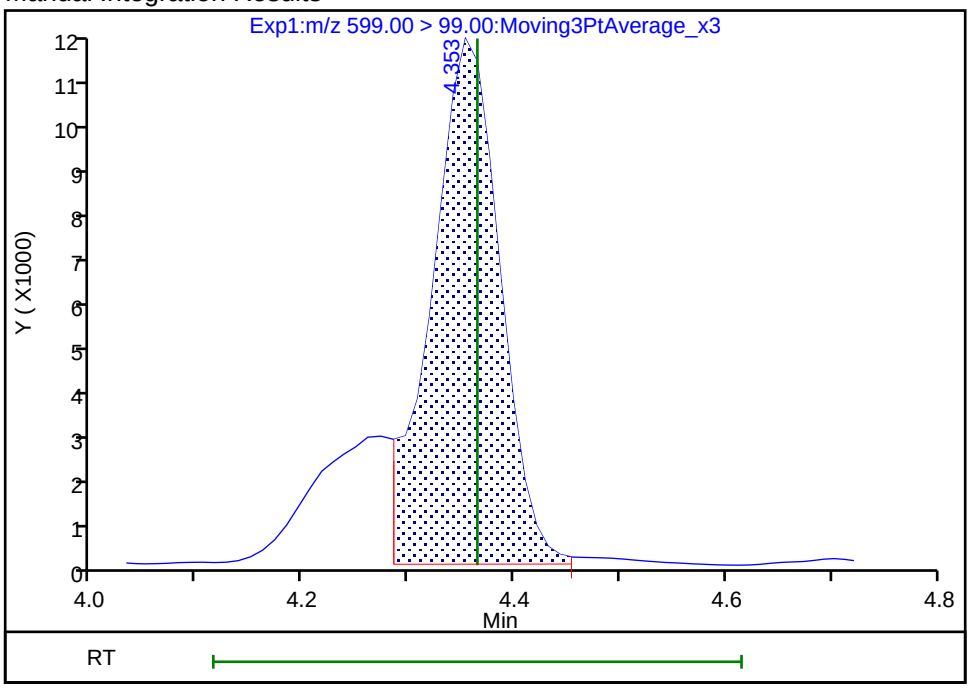
Processing Integration Results

RT: 4.35
Area: 52119
Amount: 0.286945
Amount Units: ng/ml



Manual Integration Results

RT: 4.35
Area: 53216
Amount: 0.286328
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:36:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

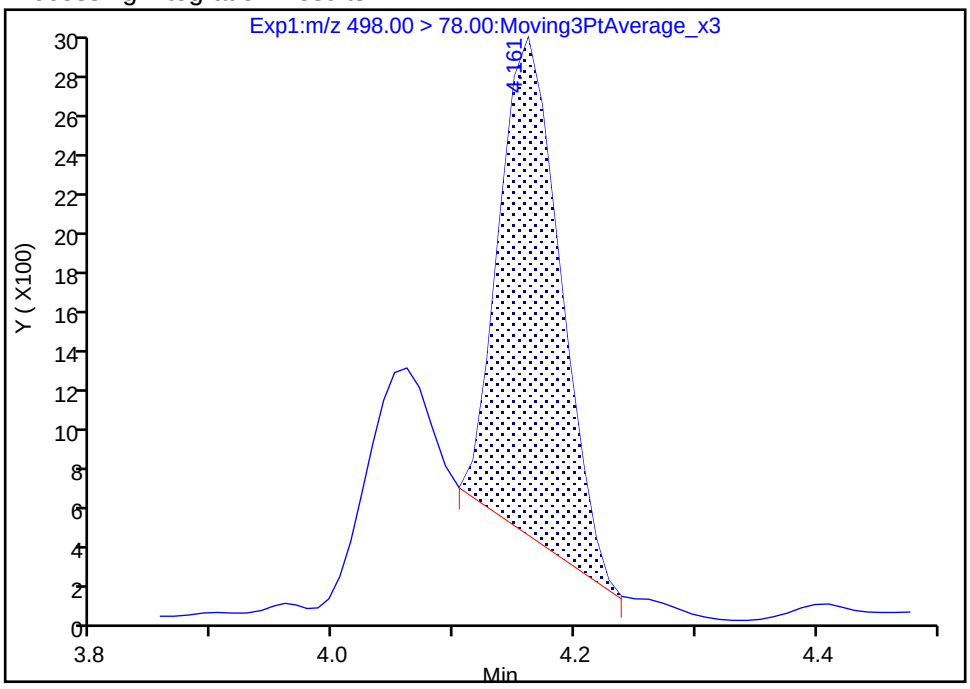
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B15.d				
Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

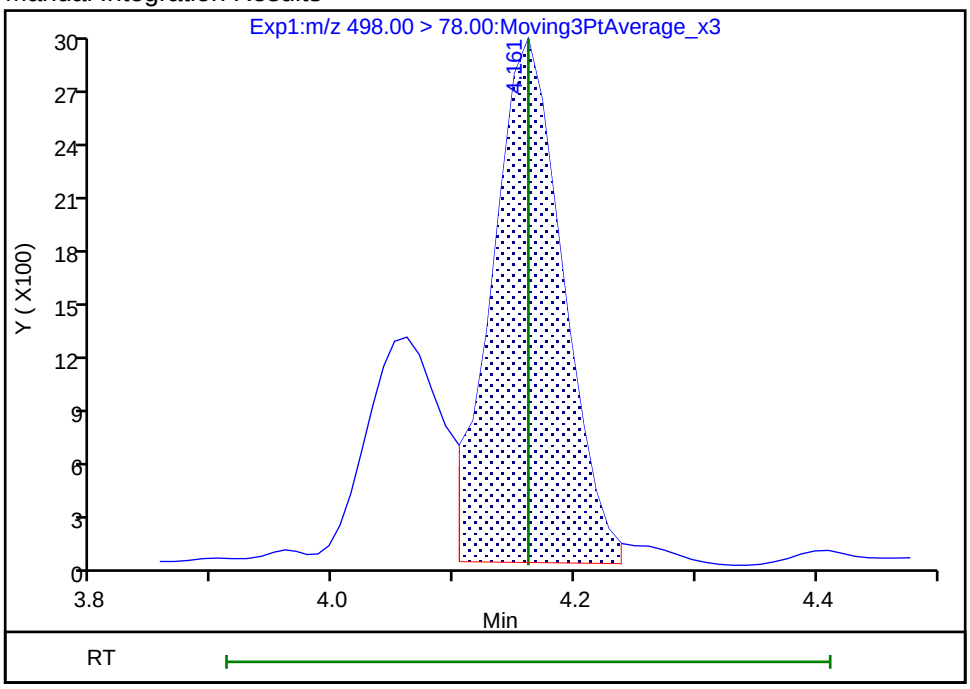
Processing Integration Results

RT: 4.16
Area: 8868
Amount: 0.008083
Amount Units: ng/ml



Manual Integration Results

RT: 4.16
Area: 11882
Amount: 0.010830
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:36:33
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

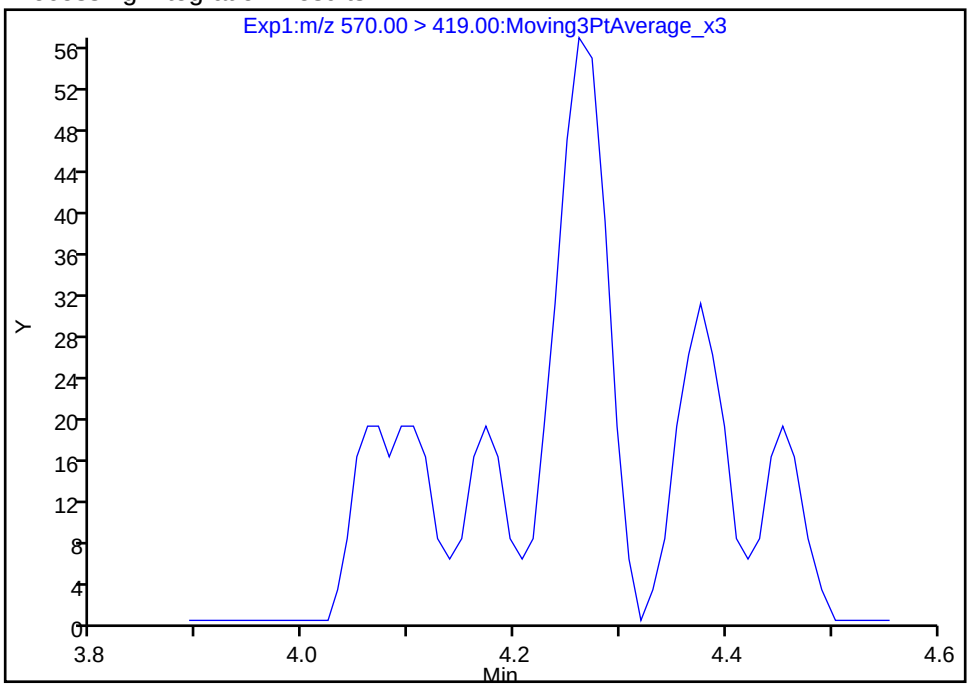
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B15.d				
Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

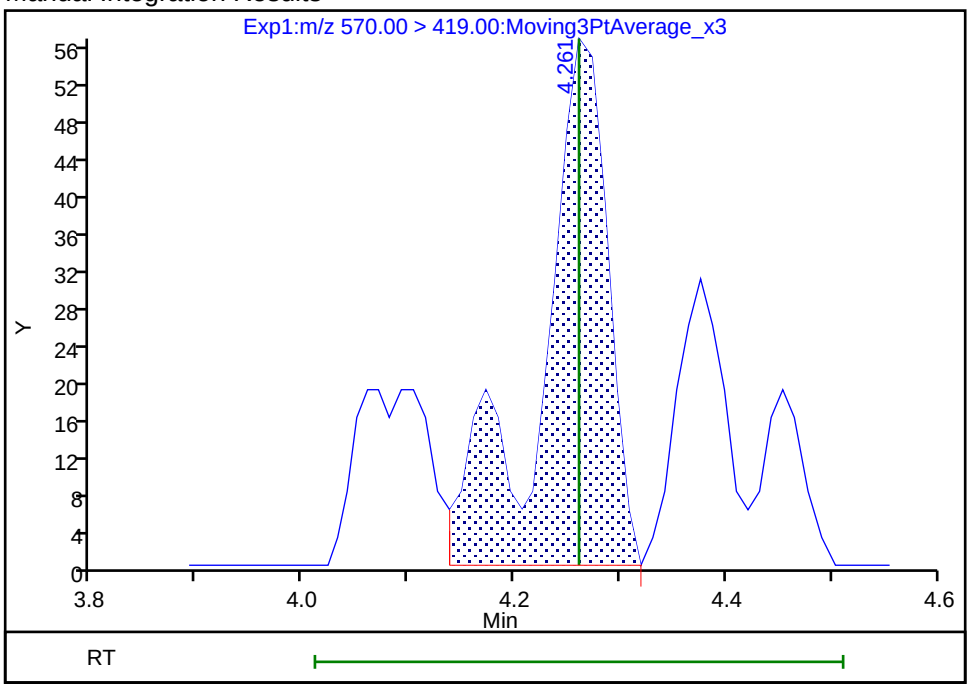
Not Detected
Expected RT: 4.26

Processing Integration Results



Manual Integration Results

RT: 4.26
Area: 246
Amount: 0.001800
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:03:09
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

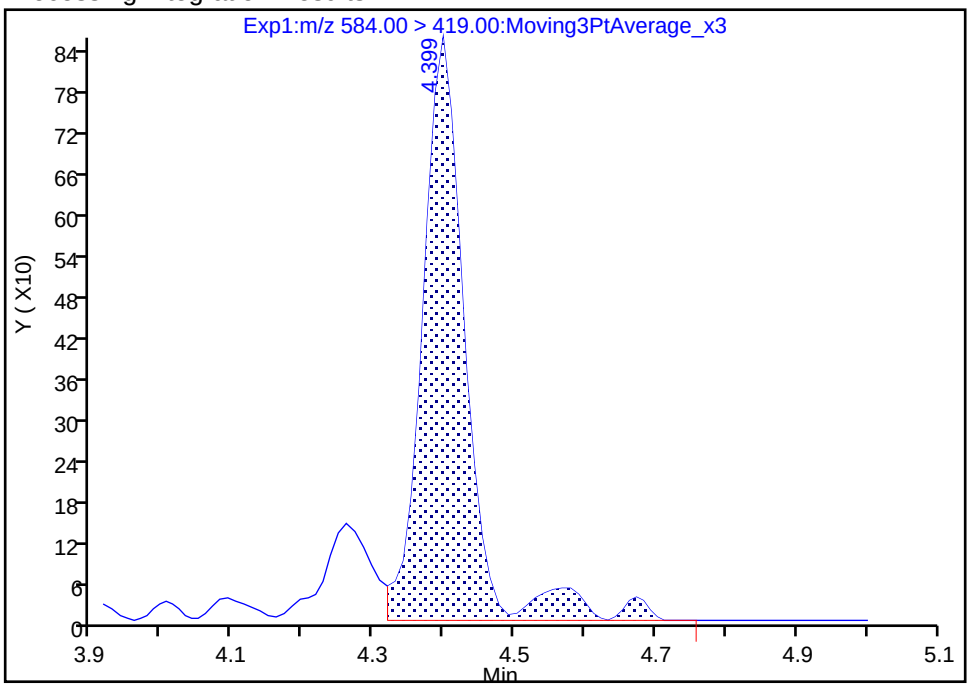
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Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

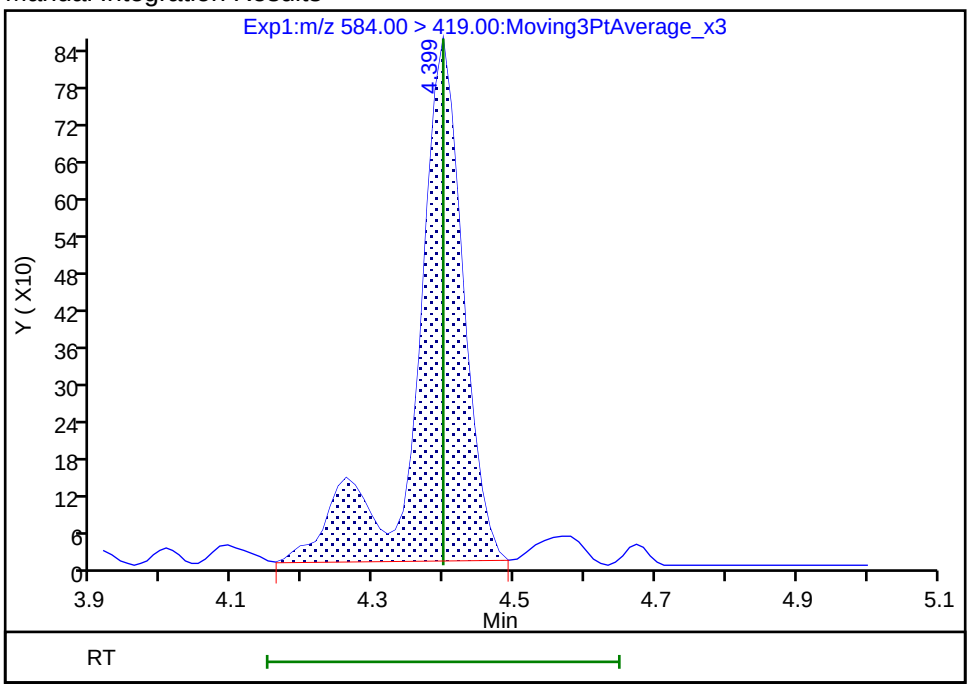
Processing Integration Results

RT: 4.40
Area: 3687
Amount: 0.026688
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 3916
Amount: 0.028345
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:04:12

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

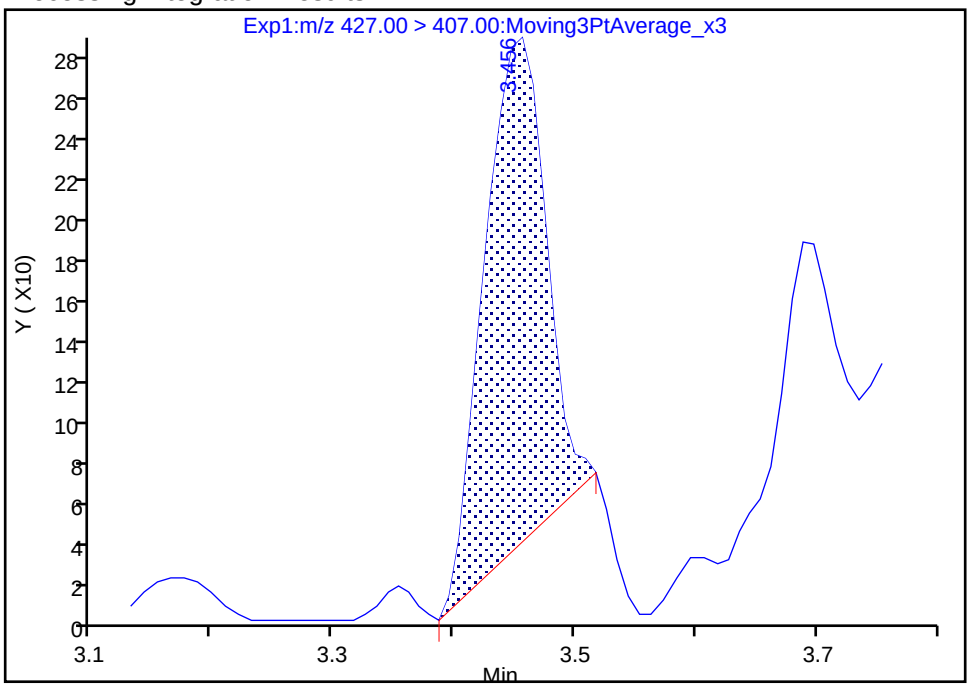
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B15.d				
Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

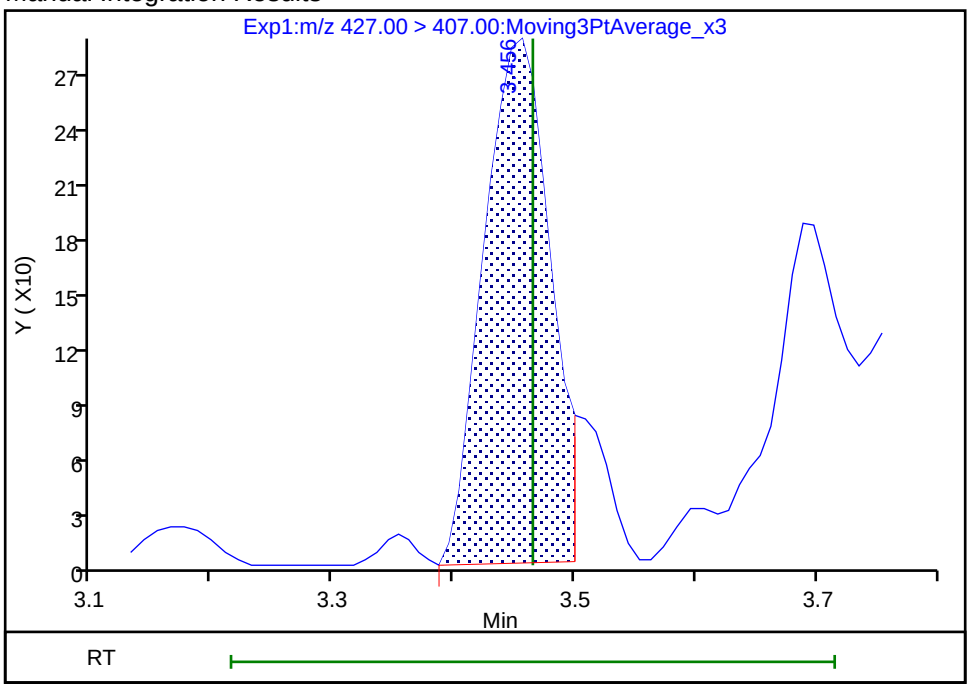
Processing Integration Results

RT: 3.46
Area: 894
Amount: -0.012907
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 1090
Amount: -0.012052
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:59:02

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

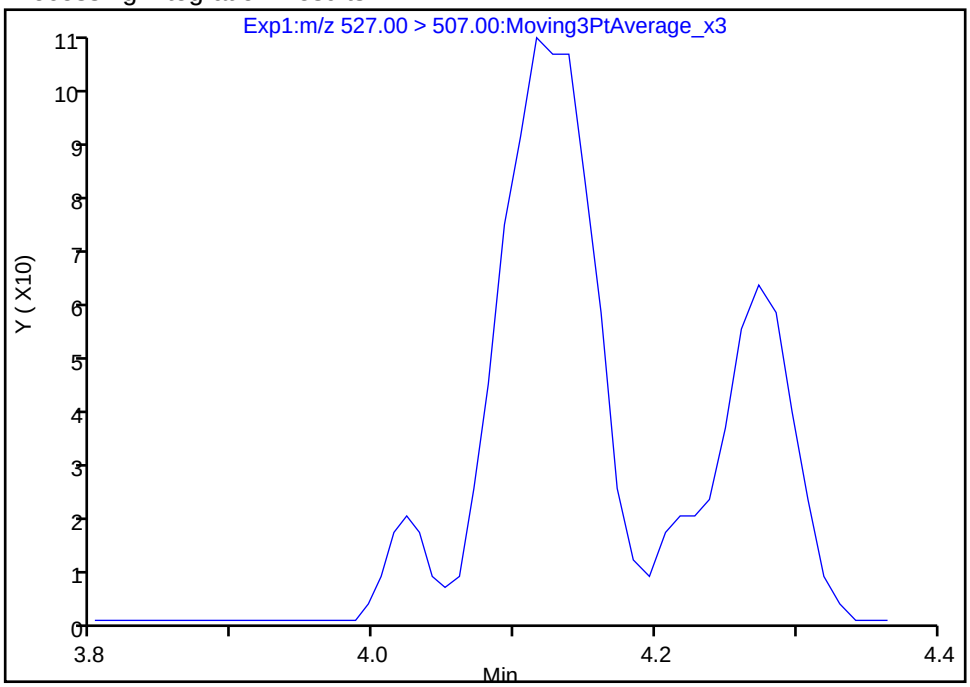
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B15.d				
Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

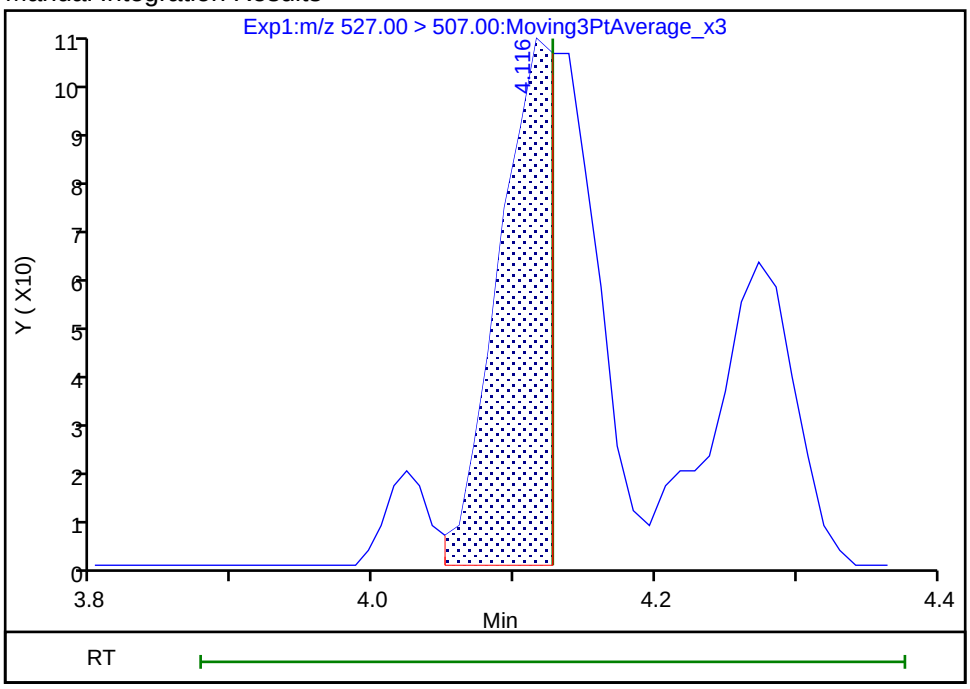
Not Detected
Expected RT: 4.13

Processing Integration Results



Manual Integration Results

RT: 4.12
Area: 267
Amount: 0.001320
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:36:20
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

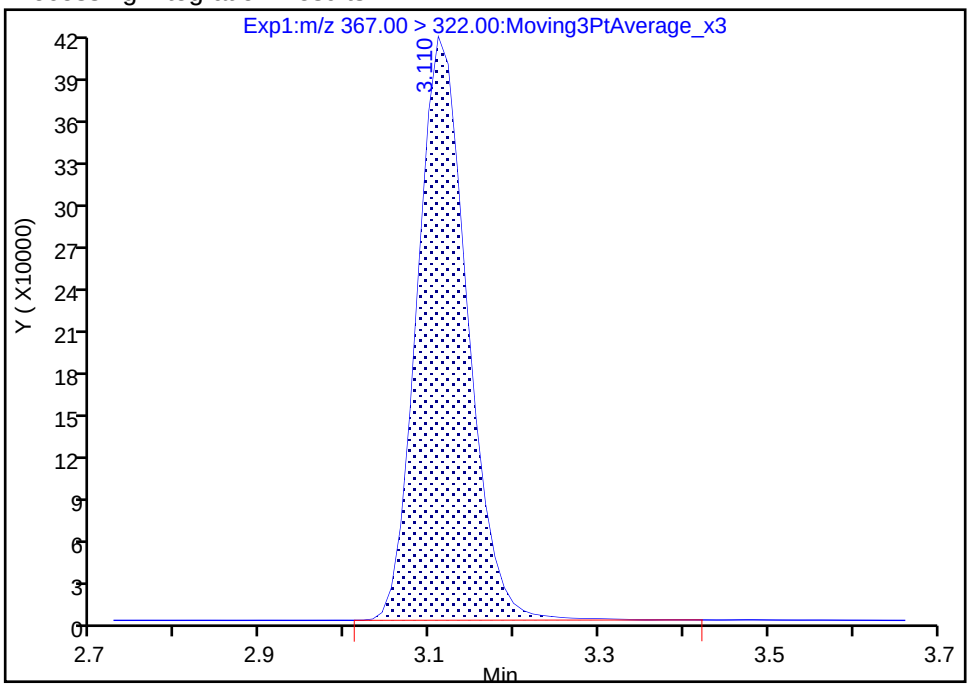
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B15.d				
Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 9 13C4 PFHpA, CAS: STL01892

Signal: 1

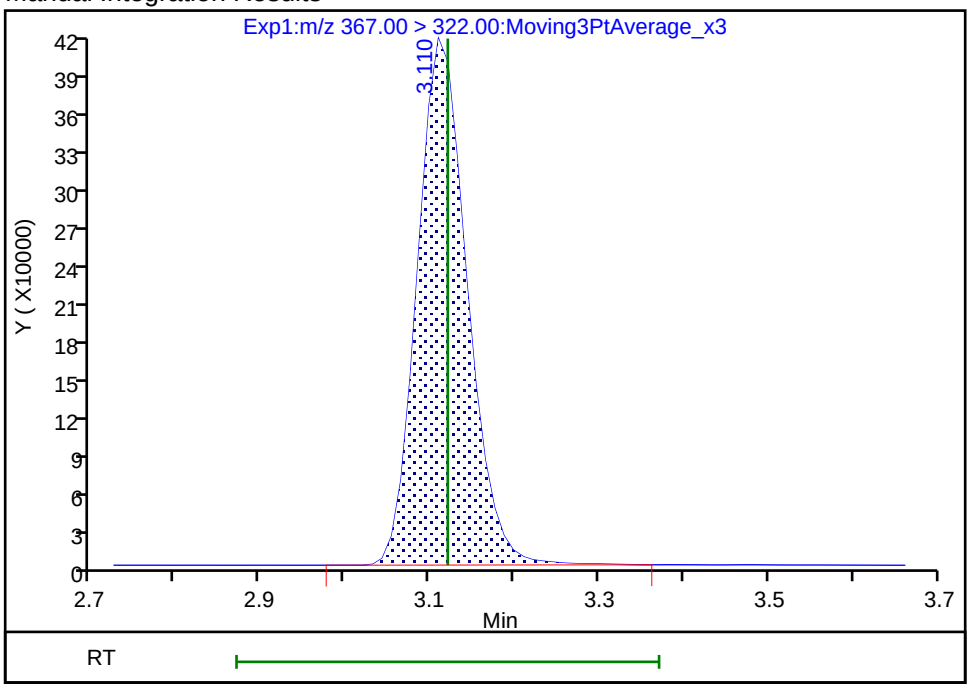
Processing Integration Results

RT: 3.11
Area: 1703608
Amount: 1.200779
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 1702426
Amount: 1.199946
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:35:14

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

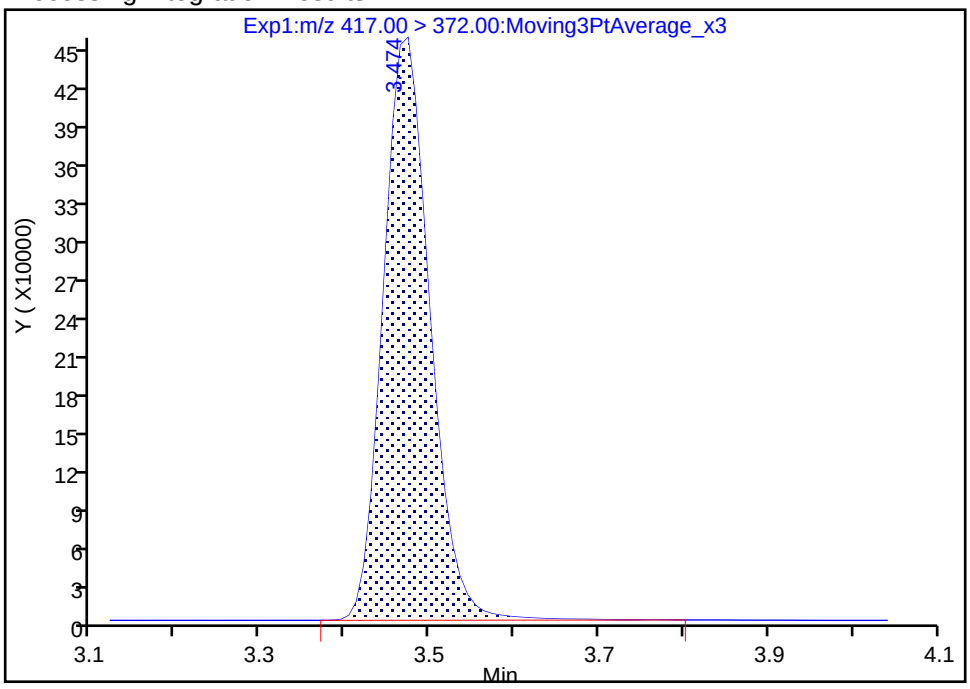
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B15.d				
Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

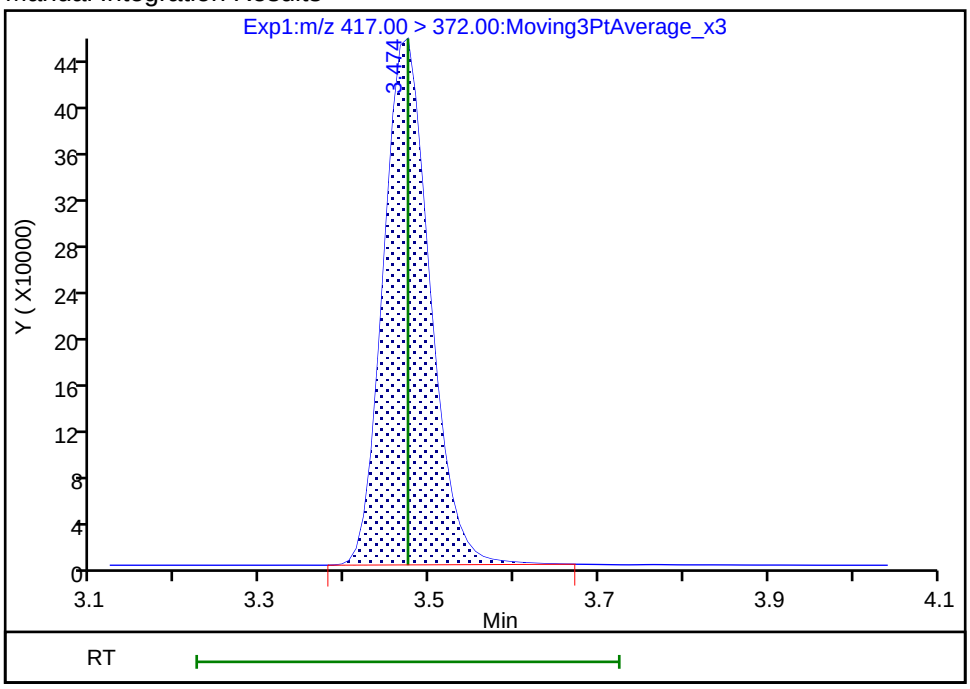
Processing Integration Results

RT: 3.47
Area: 1733571
Amount: 1.192464
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 1725890
Amount: 1.187181
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:56:58

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

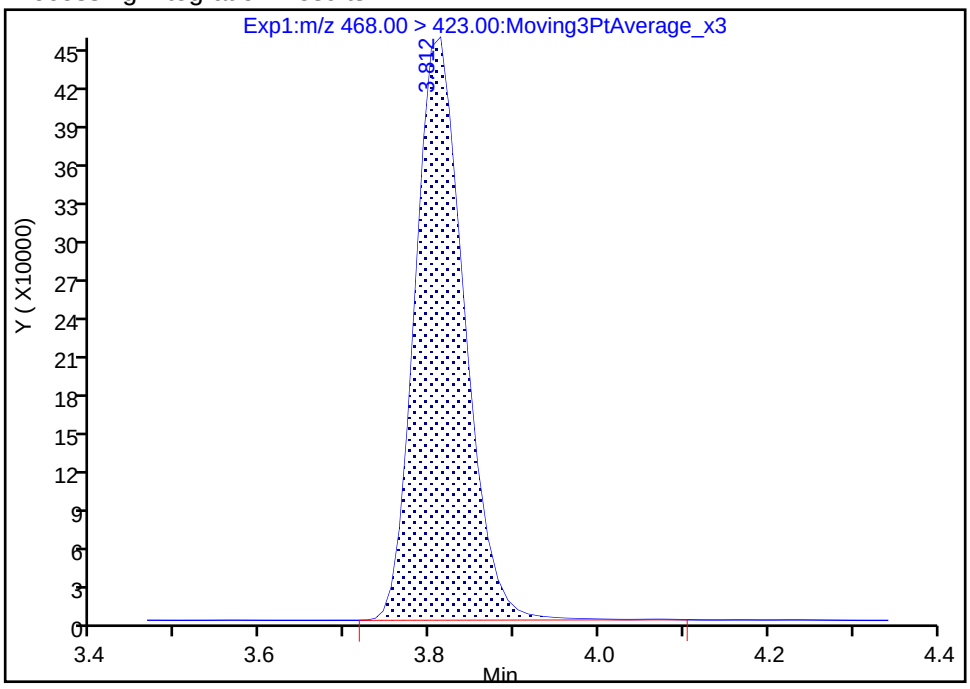
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B15.d				
Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

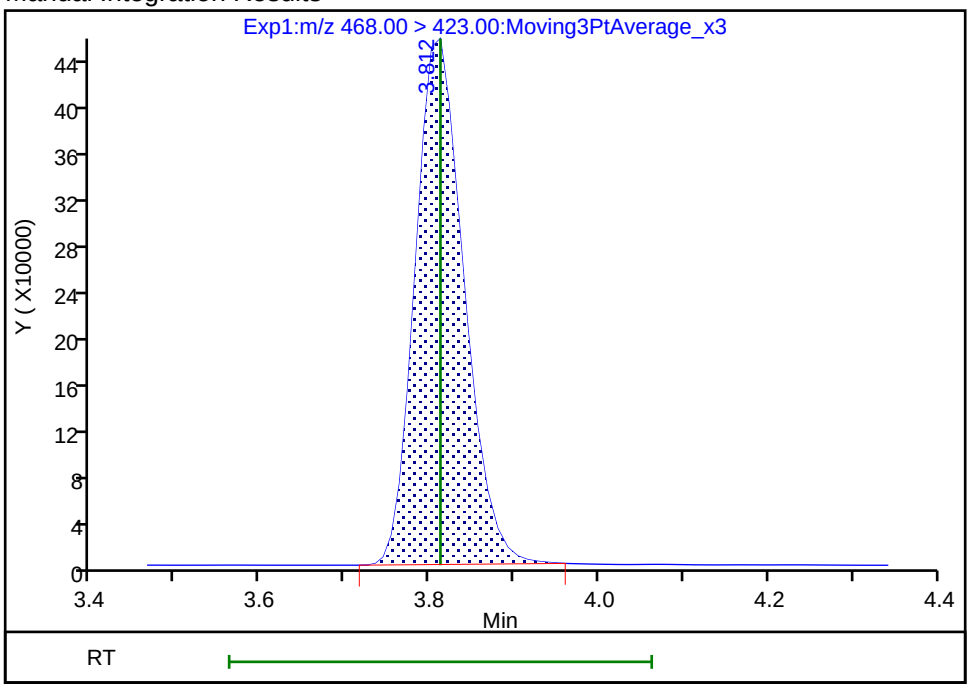
Processing Integration Results

RT: 3.81
Area: 1831364
Amount: 1.213407
Amount Units: ng/ml



Manual Integration Results

RT: 3.81
Area: 1818307
Amount: 1.204756
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:35:48

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

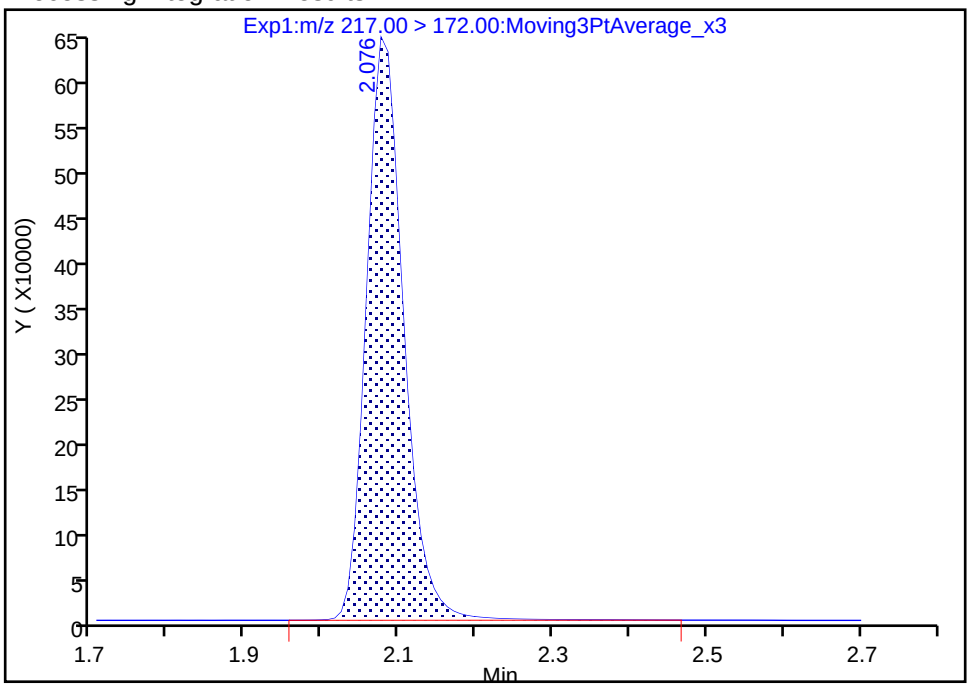
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Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6
Client ID:	BCS-09-37 (6-6.5)P		
Operator ID:	lc812tech	ALS Bottle#:	15 Worklist Smp#: 15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

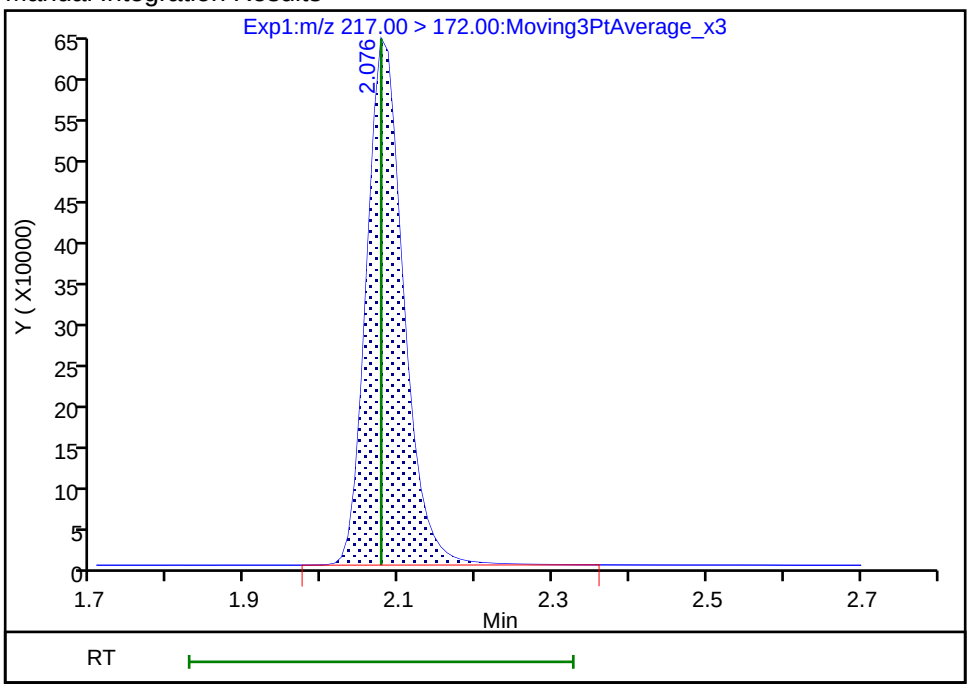
Processing Integration Results

RT: 2.08
Area: 2163011
Amount: 1.214377
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 2159088
Amount: 1.212175
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:35:02

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

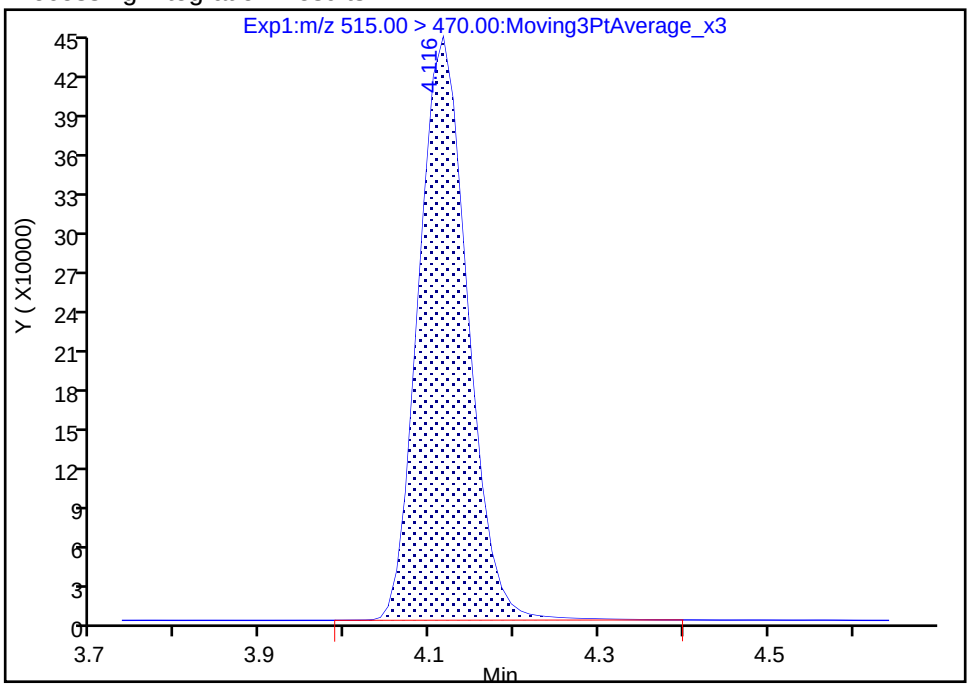
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Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

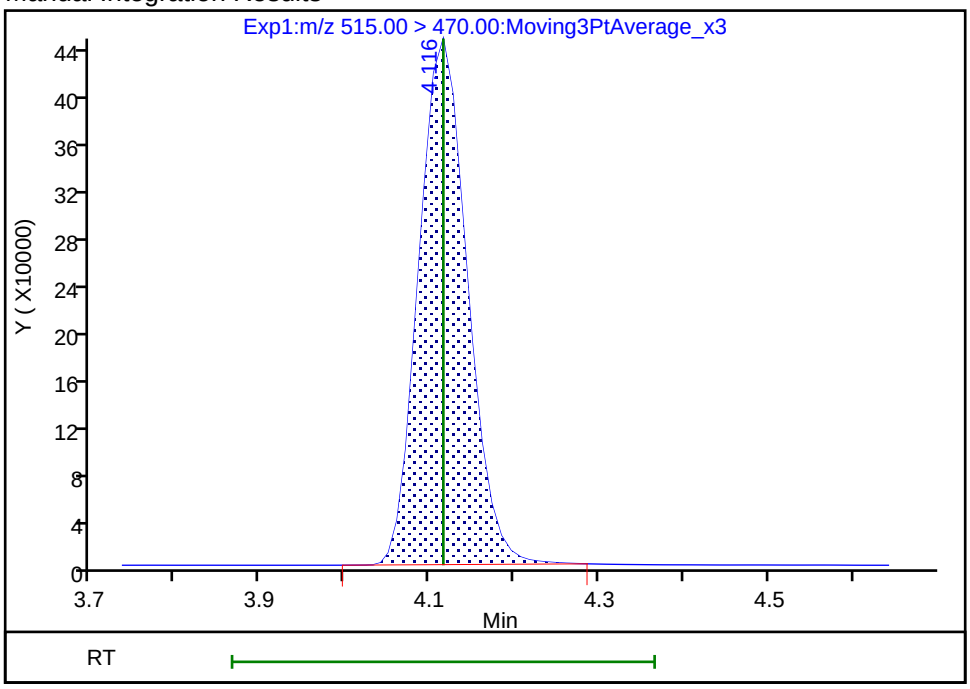
Processing Integration Results

RT: 4.12
Area: 1793527
Amount: 1.221019
Amount Units: ng/ml



Manual Integration Results

RT: 4.12
Area: 1782929
Amount: 1.213804
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:35:54
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

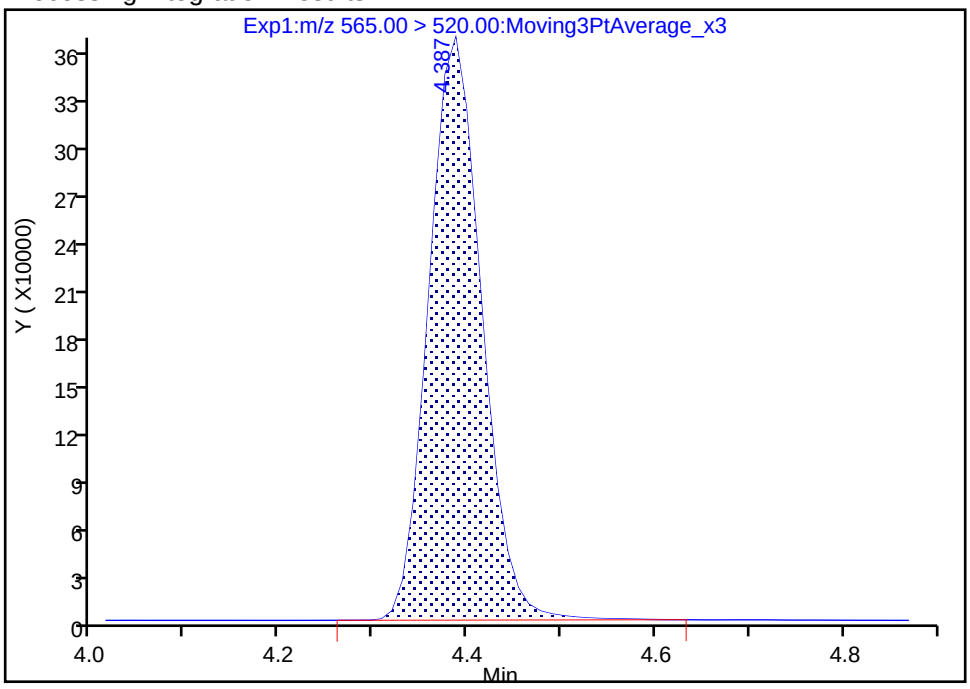
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Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6
Client ID:	BCS-09-37 (6-6.5)P		
Operator ID:	lc812tech	ALS Bottle#:	15 Worklist Smp#: 15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

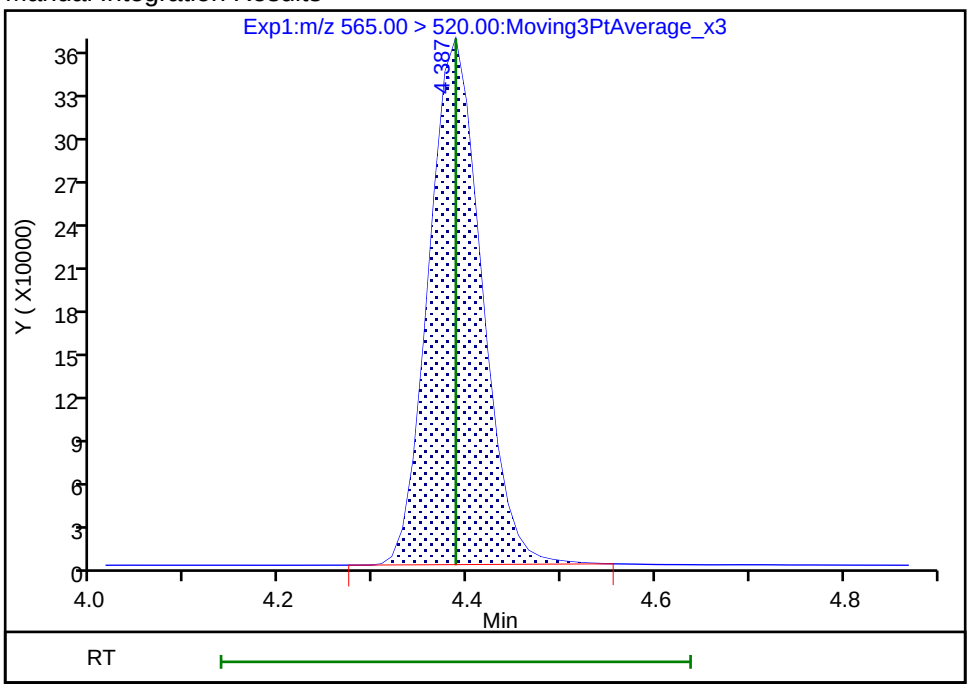
Processing Integration Results

RT: 4.39
Area: 1419198
Amount: 1.275185
Amount Units: ng/ml



Manual Integration Results

RT: 4.39
Area: 1412310
Amount: 1.268996
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:37:01
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

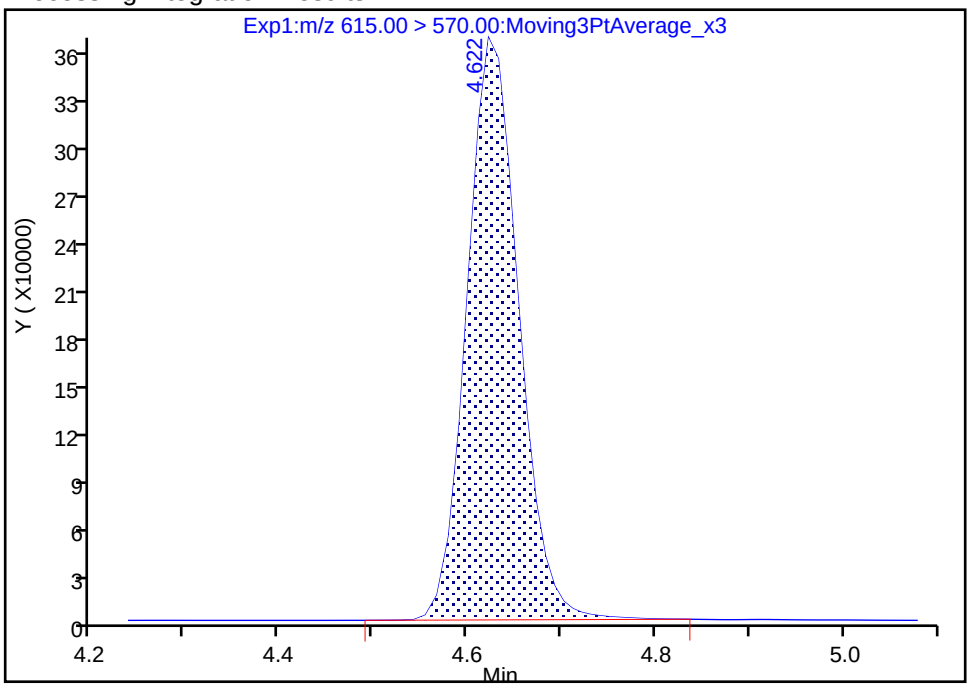
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B15.d				
Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 36 13C2 PFDoA, CAS: STL00998

Signal: 1

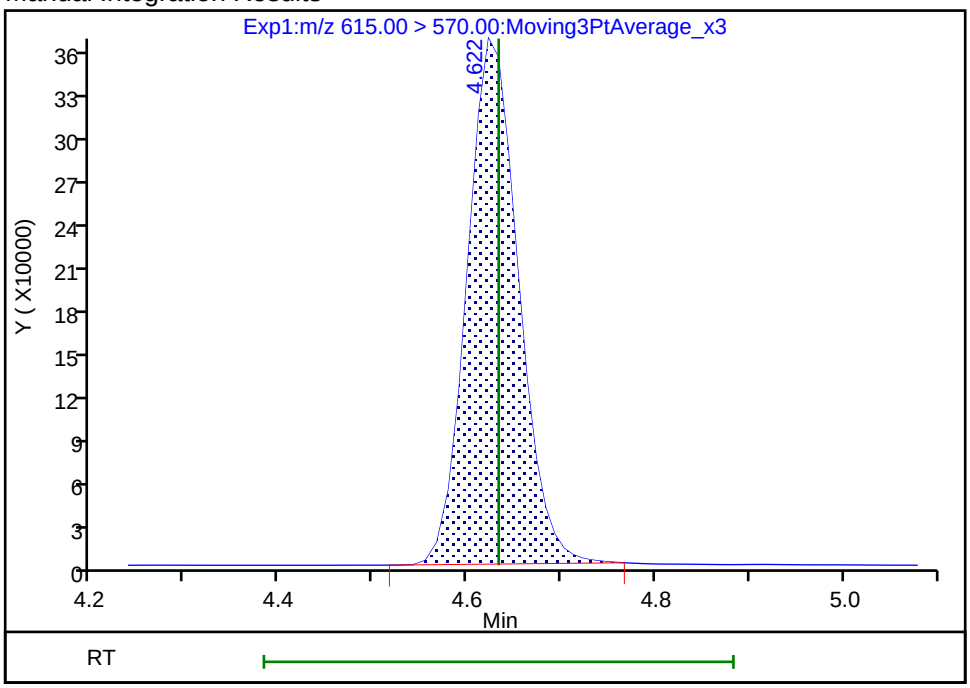
Processing Integration Results

RT: 4.62
Area: 1395276
Amount: 1.209844
Amount Units: ng/ml



Manual Integration Results

RT: 4.62
Area: 1385057
Amount: 1.200983
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:37:13

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

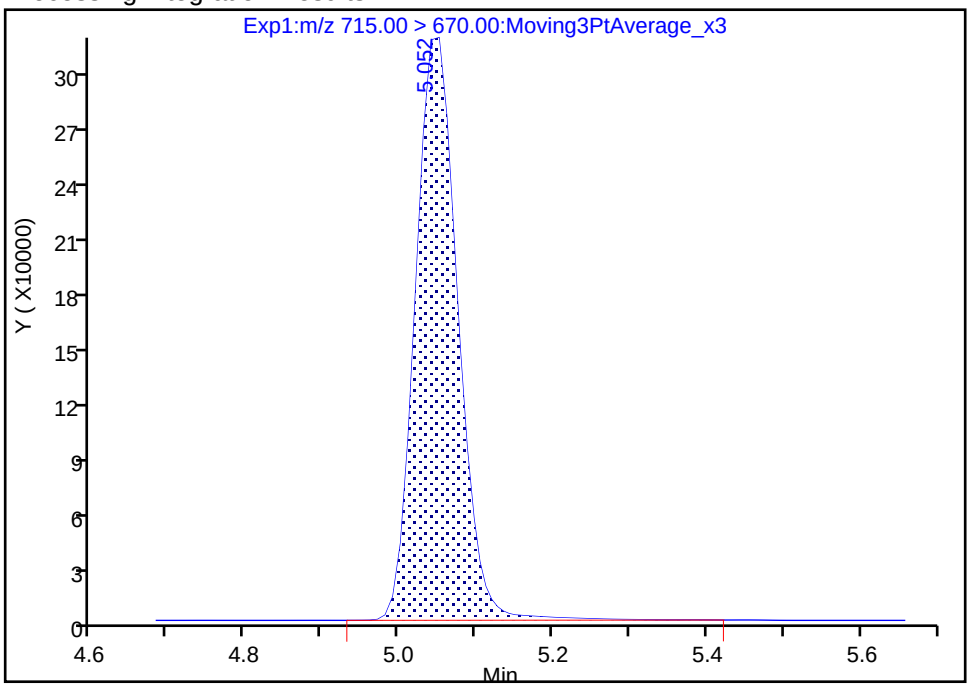
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B15.d				
Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

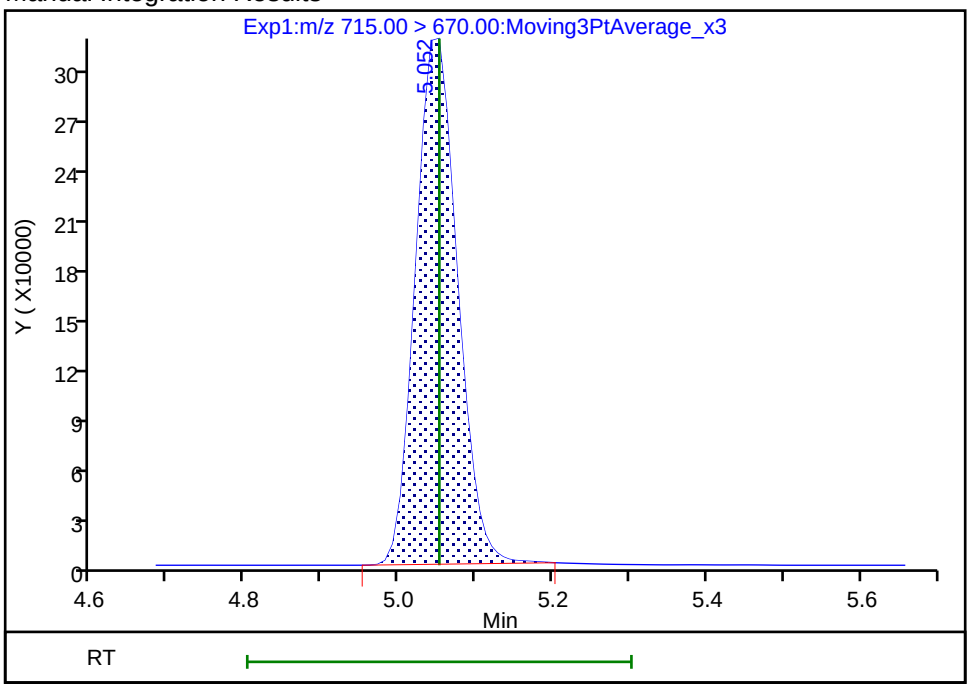
Processing Integration Results

RT: 5.05
Area: 1217700
Amount: 1.291627
Amount Units: ng/ml



Manual Integration Results

RT: 5.05
Area: 1201730
Amount: 1.274687
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:37:23

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

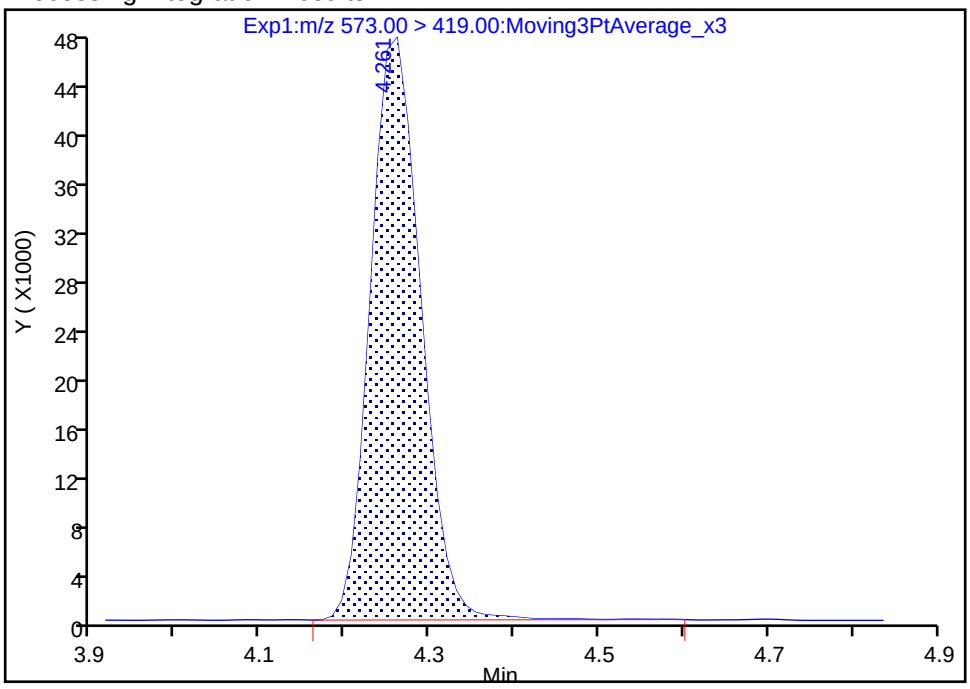
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B15.d				
Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

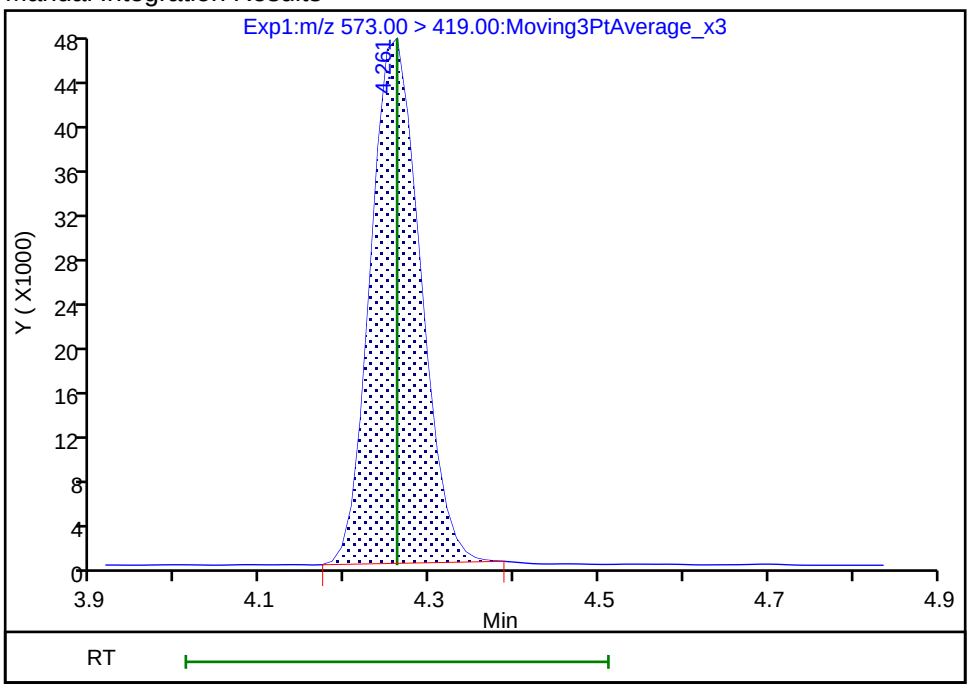
Processing Integration Results

RT: 4.26
Area: 195330
Amount: 0.992148
Amount Units: ng/ml



Manual Integration Results

RT: 4.26
Area: 192340
Amount: 0.976960
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:36:39

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

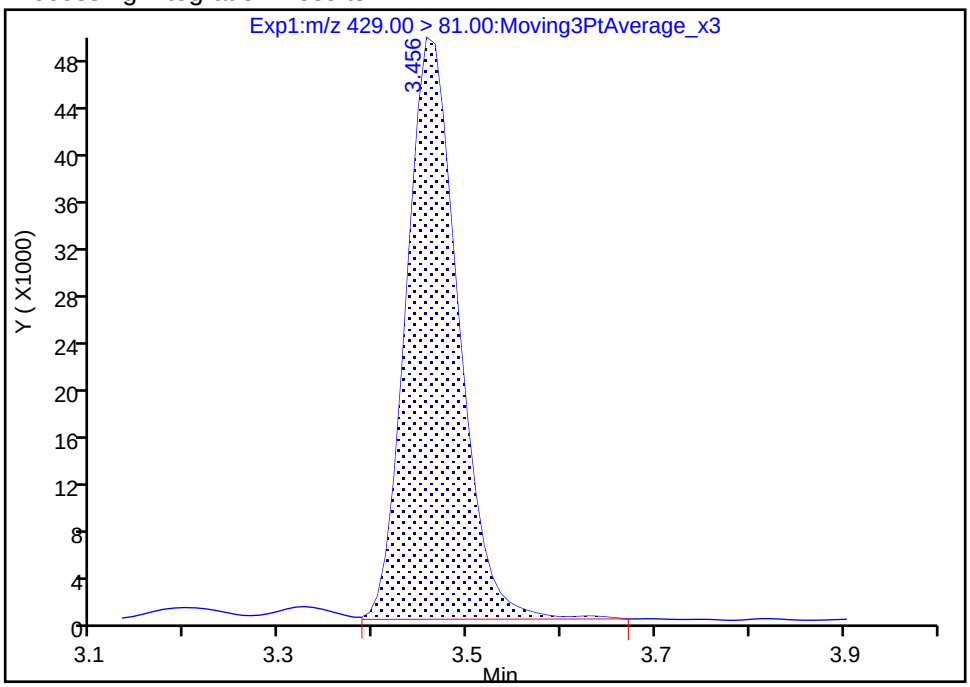
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B15.d				
Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

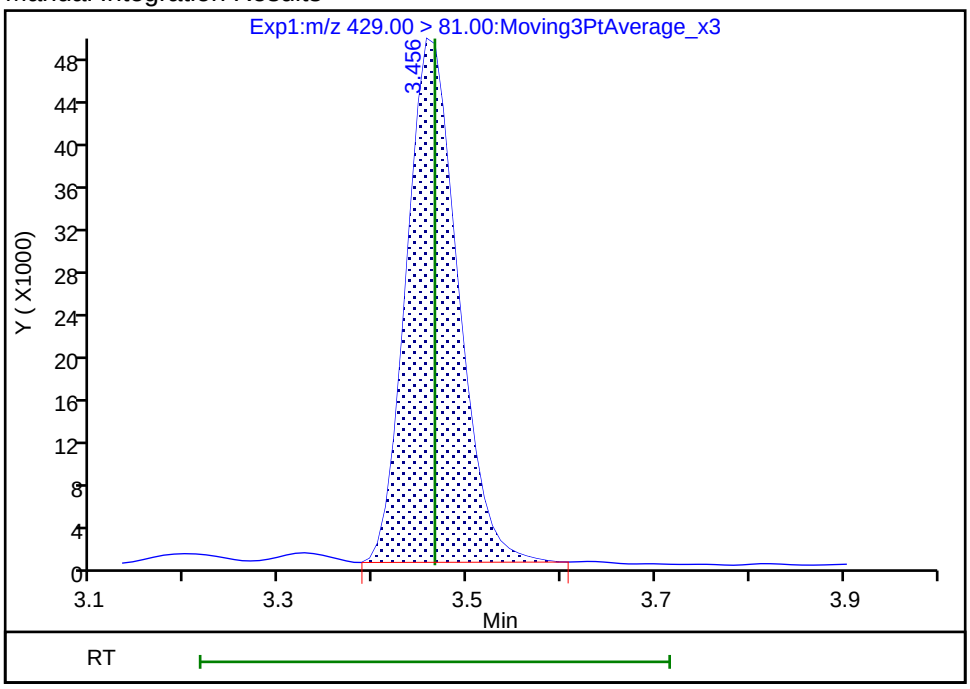
Processing Integration Results

RT: 3.46
Area: 189751
Amount: 1.016863
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 186765
Amount: 1.000862
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:56:53

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

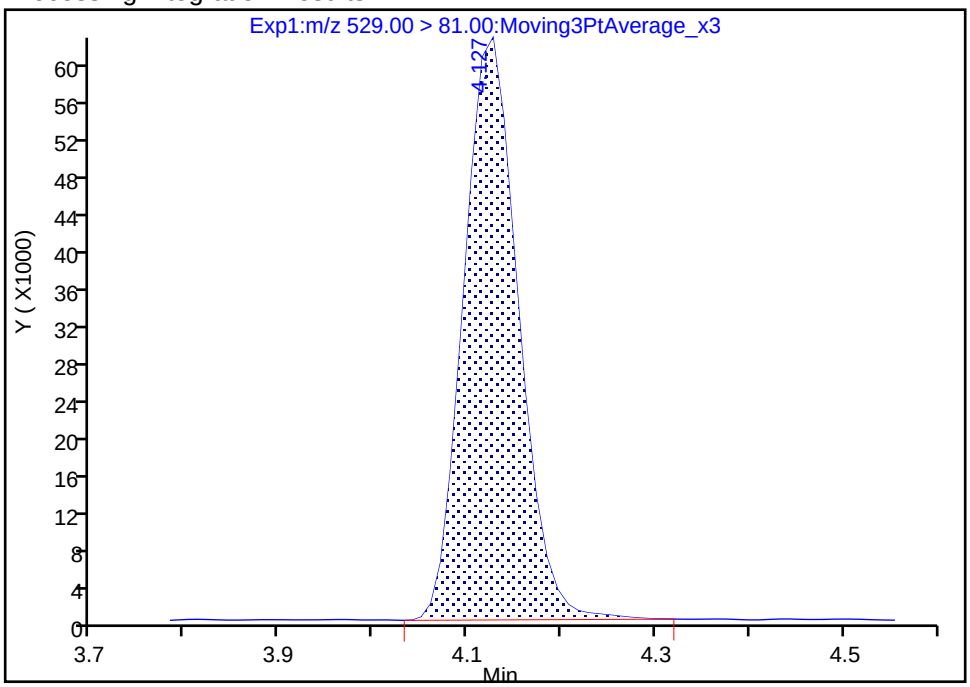
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B15.d				
Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

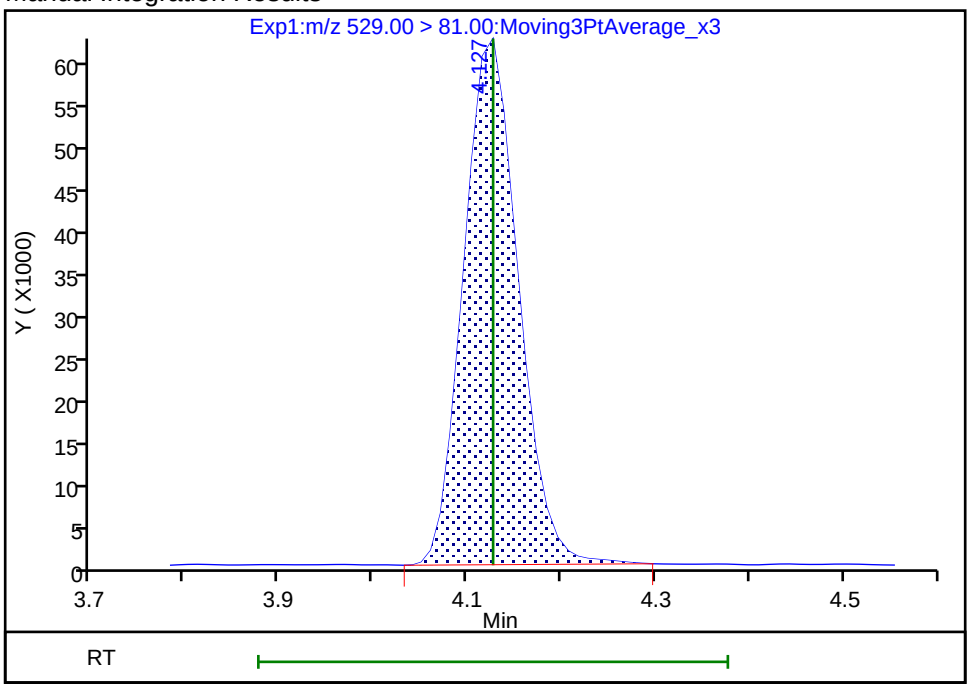
Processing Integration Results

RT: 4.13
Area: 251176
Amount: 1.118700
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 250744
Amount: 1.116776
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:36:06

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

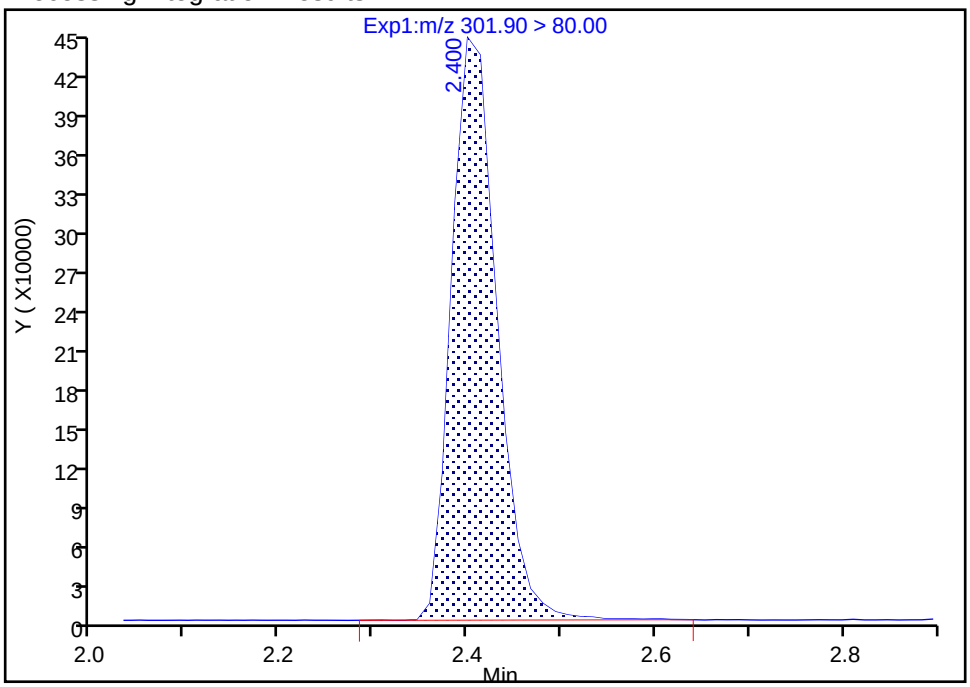
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B15.d				
Injection Date:	04-Aug-2022 15:55:46	Instrument ID:	LC812		
Lims ID:	460-262897-A-6-A	Lab Sample ID:	200-262897-6		
Client ID:	BCS-09-37 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

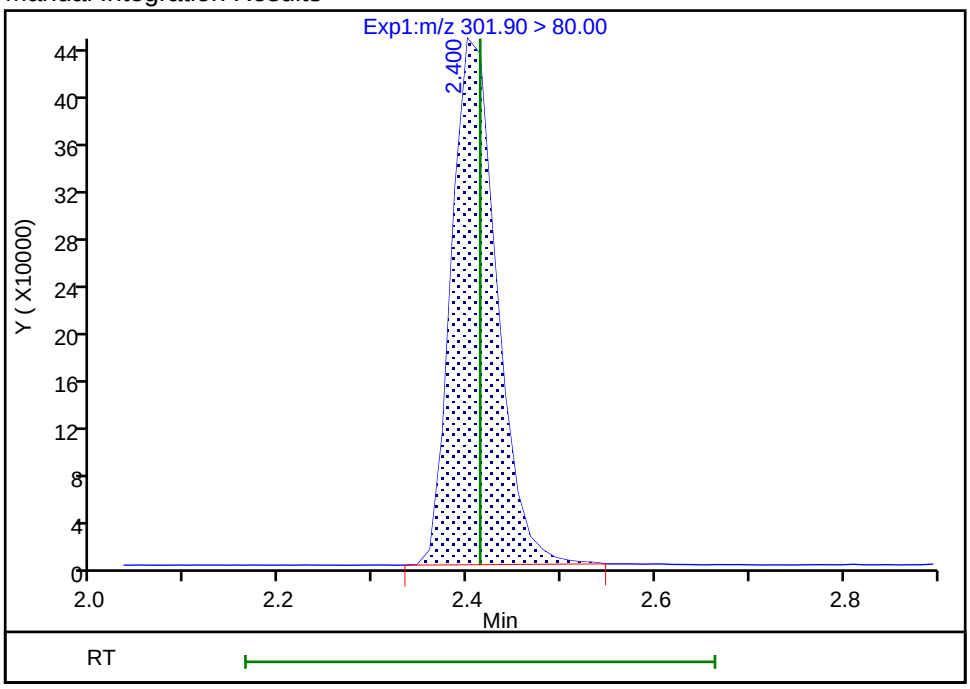
Processing Integration Results

RT: 2.40
Area: 1494923
Amount: 0.943034
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 1486931
Amount: 0.937992
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:56:45

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 460-262897-1

SDG No.:

Client Sample ID: BCS-09-38 (6-6.5)P | Lab Sample ID: 460-262897-7

Matrix: Solid | Lab File ID: PA220804B16.d

Analysis Method: 537 (modified) | Date Collected: 07/29/2022 09:55

Extraction Method: SHAKE | Date Extracted: 08/03/2022 11:39

Sample wt/vol: 5.21(g) | Date Analyzed: 08/04/2022 16:03

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

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

% Moisture: 11.2 % Solids: 88.8 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 182375 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.54	U	0.54	0.36
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.22	U	0.22	0.059
307-24-4	Perfluorohexanoic acid (PFHxA)	0.060	J	0.22	0.050
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.22	U	0.22	0.042
335-67-1	Perfluorooctanoic acid (PFOA)	0.22	U	0.22	0.063
375-95-1	Perfluorononanoic acid (PFNA)	0.22	U	0.22	0.037
335-76-2	Perfluorodecanoic acid (PFDA)	0.22	U	0.22	0.030
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.22	U	0.22	0.029
307-55-1	Perfluorododecanoic acid (PFDoA)	0.22	U	0.22	0.027
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.22	U	0.22	0.027
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.22	U	0.22	0.028
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.22	U	0.22	0.036
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.22	U	0.22	0.044
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.22	U	0.22	0.025
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.22	U	0.22	0.12
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.22	U	0.22	0.021
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.22	U	0.22	0.037
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.16	U	2.16	0.12
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.16	U	2.16	0.090
27619-97-2	6:2 FTS	0.081	J	2.16	0.062
39108-34-4	8:2 FTS	2.16	U	2.16	0.040

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 460-262897-1

SDG No.:

Client Sample ID: BCS-09-38 (6-6.5)P | Lab Sample ID: 460-262897-7

Matrix: Solid | Lab File ID: PA220804B16.d

Analysis Method: 537 (modified) | Date Collected: 07/29/2022 09:55

Extraction Method: SHAKE | Date Extracted: 08/03/2022 11:39

Sample wt/vol: 5.21(g) | Date Analyzed: 08/04/2022 16:03

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

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

% Moisture: 11.2 % Solids: 88.8 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 182375 | Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	80		50-150
STL01892	13C4 PFHpA	92		50-150
STL00990	13C4 PFOA	92		50-150
STL00991	13C4 PFOS	79		50-150
STL00995	13C5 PFNA	92		50-150
STL00992	13C4 PFBA	91		50-150
STL00993	13C2 PFHxA	95		50-150
STL00996	13C2 PFDA	98		50-150
STL00997	13C2 PFUnA	94		50-150
STL00998	13C2 PFDoA	98		50-150
STL01056	13C8 FOSA	80		50-150
STL01893	13C5 PFPeA	96		50-150
STL02116	13C2 PFTeDA	94		50-150
STL02118	d3-NMeFOSAA	74		50-150
STL02117	d5-NEtFOSAA	81		50-150
STL02279	M2-6:2 FTS	81		50-150
STL02280	M2-8:2 FTS	87		50-150
STL02337	13C3 PFBS	81		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B16.d
Lims ID: 460-262897-A-7-A
Client ID: BCS-09-38 (6-6.5)P
Sample Type: Client
Inject. Date: 04-Aug-2022 16:03:57 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: 460-262897-A-7-A
Misc. Info.: 200-0051959-016 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 05-Aug-2022 12:54:43 Calib Date: 03-Aug-2022 13:41:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1640

First Level Reviewer: nampitakw Date: 05-Aug-2022 12:10:14
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										M
217.00 > 172.00	2.076	2.076	0.0	0.599	2012892	1.14		91.1	7096	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.093	2.085	0.008	1.008	16348	0.0105			1.8	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.387	2.400	-0.013	0.689	1623818	1.19		95.6	2905	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.360	2.400	-0.040	0.989	9178	0.006853			0.5	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.400	2.413	-0.013	0.693	1484910	0.9440		81.2	238894	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.400	2.413	-0.013	1.000	2419	0.001716	Target=2.23		1.9	
298.90 > 99.00	2.400	2.413	-0.013	1.000	1067		2.27(1.11-3.34)		0.3	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.737	2.750	-0.013	1.000	37552	0.0278	Target=12.24		5.3	M
313.00 > 119.00	2.737	2.750	-0.013	1.000	3640		10.32(6.12-18.36)		5.0	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.737	2.750	-0.013	0.790	1618543	1.19		95.4	2675	
D 11 18O2 PFHxS										
403.00 > 84.00	3.099	3.110	-0.011	0.894	1051424	0.9504		80.4	2375	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.110	3.110	0.0	1.004	4432	0.004519	Target=3.43		8.2	M
399.00 > 99.00	3.099	3.110	-0.011	1.000	1677		2.64(1.72-5.15)		1.3	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.110	3.121	-0.011	0.897	1626307	1.16		92.4	2079	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.099	3.121	-0.022	0.996	5832	0.004349	Target=3.73		1.2	M
363.00 > 169.00	3.110	3.121	-0.011	1.000	1624		3.59(1.86-5.59)		4.5	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 12 M2-6:2 FTS										
429.00 > 81.00	3.456	3.465	-0.009	0.997	179056	0.9670		81.4	308	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.456	3.465	-0.009	1.000	11955	0.0376			70.1	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.465	3.474	-0.009	1.000	24280	0.0163	Target=2.67		2.8	M
413.00 > 169.00	3.465	3.474	-0.009	1.000	10490		2.31(1.34-4.01)		15.9	M
D 14 13C4 PFOA										
417.00 > 372.00	3.465	3.474	-0.009	1.000	1656528	1.15		91.9	2734	
* 62 13C2 PFOA										
415.00 > 370.00	3.465	3.474	-0.009		1893007	1.25			5916	
17 Perfluorooctanesulfonic acid										RM
499.00 > 80.00	3.783	3.792	-0.009	1.000	23290	0.0175	Target=4.88		15.7	RM
499.00 > 99.00	3.627	3.792	-0.165	0.959	9851		2.36(2.44-7.32)		15.0	M
D 18 13C4 PFOS										
503.00 > 80.00	3.783	3.792	-0.009	1.092	777724	0.9415		78.8	2057	
D 19 13C5 PFNA										M
468.00 > 423.00	3.802	3.812	-0.010	1.097	1717201	1.15		91.7	2031	M
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.104	4.116	-0.012	0.997	3475	0.002316	Target=9.67		1.7	M
513.00 > 169.00	4.116	4.116	0.0	1.000	348		9.99(4.83-14.50)		1.8	M
D 23 13C2 PFDA										
515.00 > 470.00	4.116	4.116	0.0	1.188	1783185	1.22		97.9	3054	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.116	4.127	-0.011	1.000	49	0.000261			1.1	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.116	4.127	-0.011	1.188	232654	1.04		87.2	435	
D 21 13C8 FOSA										M
506.00 > 78.00	4.150	4.161	-0.011	1.198	1268543	0.99		79.6	1718	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.150	4.161	-0.011	1.000	1104	0.001068			4.9	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.261	4.261	0.0	1.230	180859	0.9258		74.1	603	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.353	4.365	-0.012	1.151	2350	0.006197	Target=2.80		9.3	M
599.00 > 99.00	4.365	4.365	0.0	1.154	787		2.99(1.40-4.20)		4.0	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.387	4.387	0.0	1.266	1298642	1.18		94.1	1896	M
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.387	4.387	0.0	1.000	1362	0.001237	Target=9.07		1.1	M
563.00 > 169.00	4.376	4.387	-0.011	0.997	209		6.52(4.54-13.61)		2.9	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.410	4.399	0.011	1.003	623	0.004562			7.1	M
D 32 d5-NEtFOSAA										M
589.00 > 419.00	4.399	4.399	0.0	1.269	188032	1.02		81.4	560	M
D 36 13C2 PFDoA										M
615.00 > 570.00	4.633	4.633	0.0	1.337	1397948	1.22		97.7	3150	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.633	4.633	0.0	1.000	3003	0.002648	Target=6.97		0.5	M
613.00 > 169.00	4.612	4.633	-0.021	0.996	309		9.72(3.48-10.45)		4.0	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.052	5.052	0.0	1.458	1097315	1.17		93.8	1850	M
42 Perfluorotetradecanoic acid										RM
713.00 > 169.00	5.052	5.052	0.0	1.000	282	0.002005	Target=0.94		5.5	RM
713.00 > 219.00	5.052	5.052	0.0	1.000	198		1.42(0.47-1.41)		5.7	M

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Report Date: 05-Aug-2022 12:54:55 Chrom Revision: 2.3 04-Aug-2022 18:02:28

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B16.d

Injection Date: 04-Aug-2022 16:03:57 Instrument ID: LC812

Lims ID: 460-262897-A-7-A Lab Sample ID: 200-262897-7

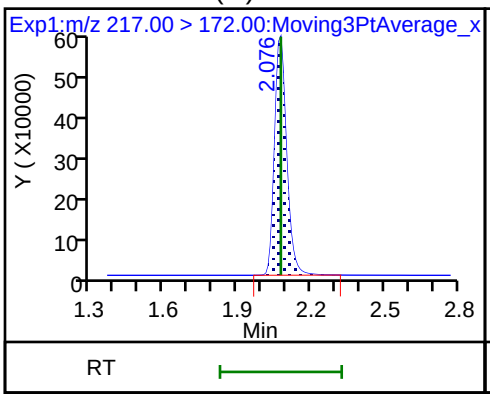
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Operator ID: lc812tech ALS Bottle#: 16 Worklist Smp#: 16

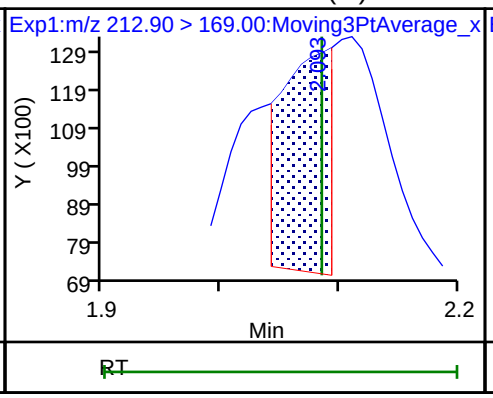
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

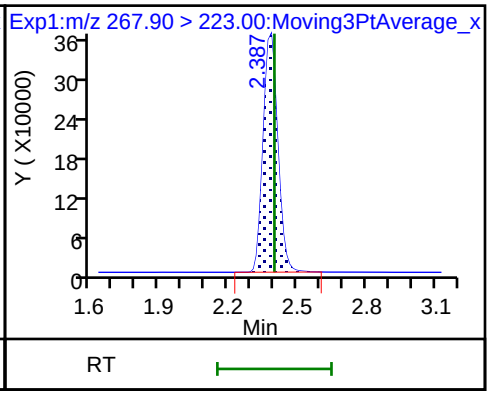
D 1 13C4 PFBA (M)



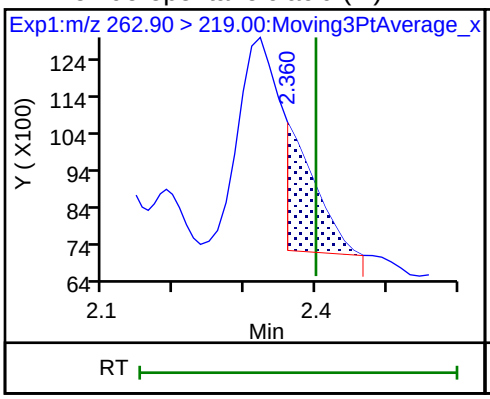
2 Perfluorobutanoic acid (M)



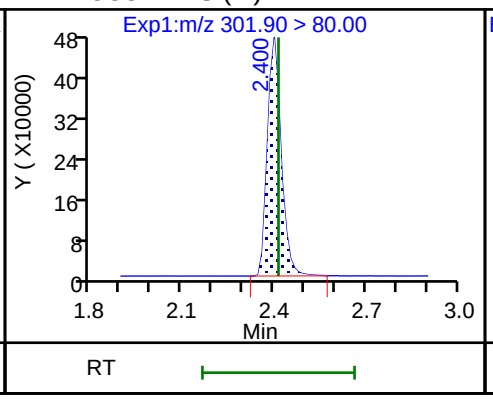
D 3 13C5 PFPeA



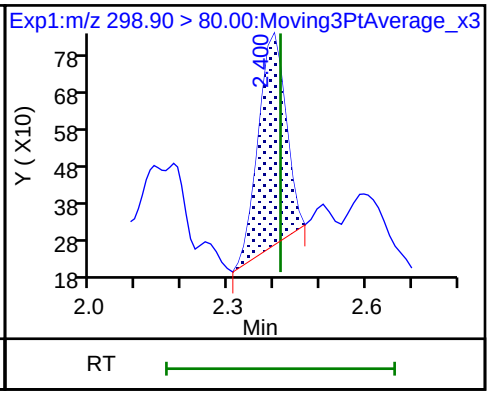
4 Perfluoropentanoic acid (M)



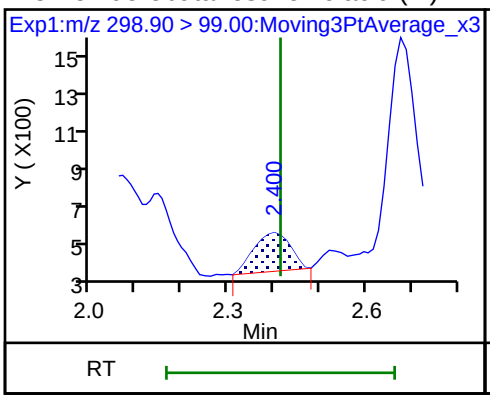
D 47 13C3 PFBS (M)



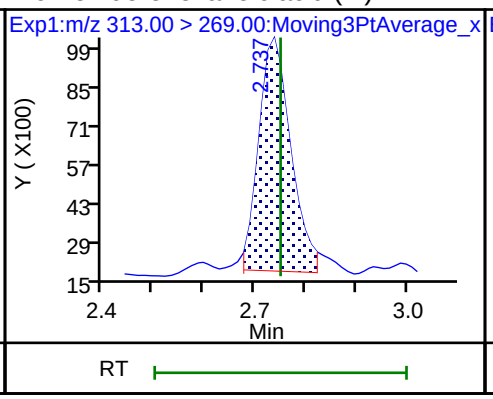
5 Perfluorobutanesulfonic acid



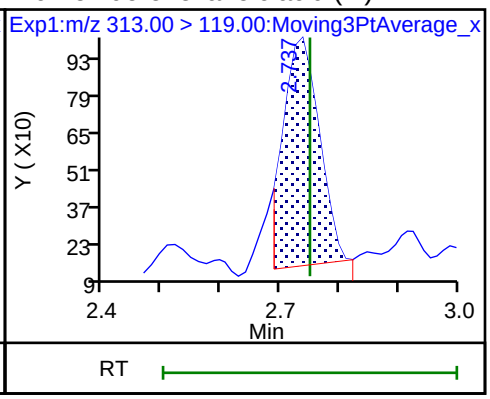
5 Perfluorobutanesulfonic acid (M)



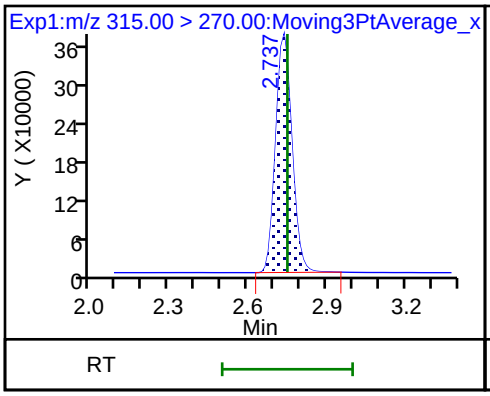
6 Perfluorohexanoic acid (M)



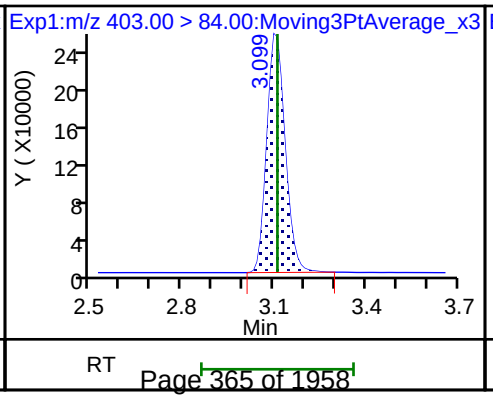
6 Perfluorohexanoic acid (M)



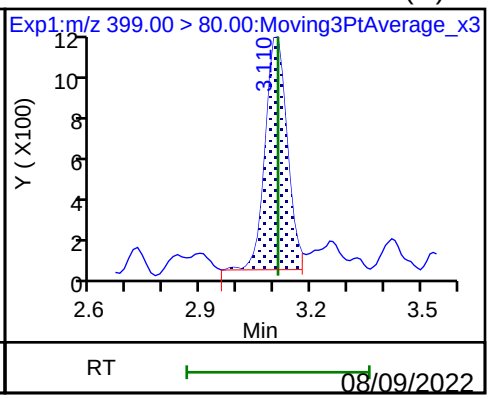
D 7 13C2 PFHxA



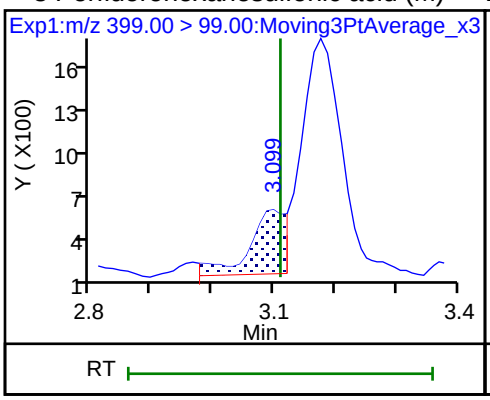
D 11 18O2 PFHxS



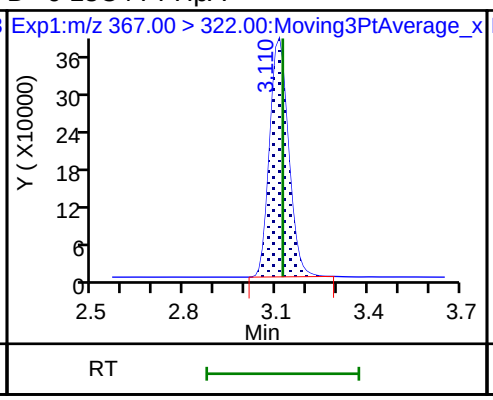
8 Perfluorohexanesulfonic acid (M)



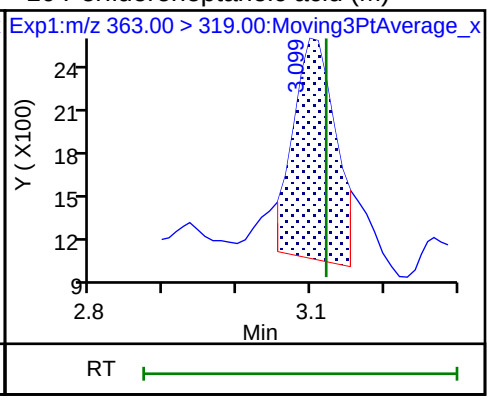
8 Perfluorohexanesulfonic acid (M)



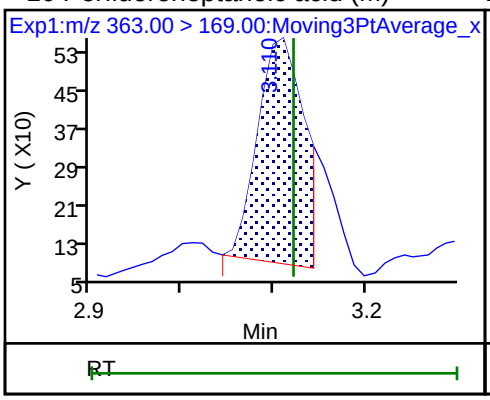
D 9 13C4 PFHpA



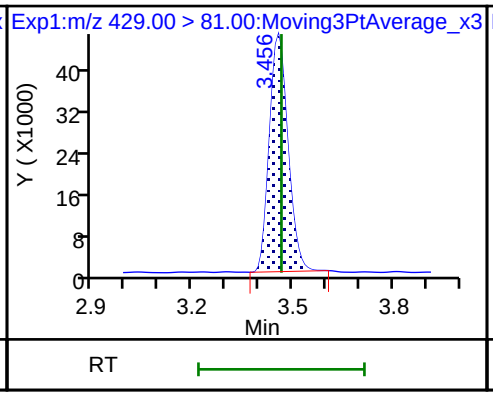
10 Perfluoroheptanoic acid (M)



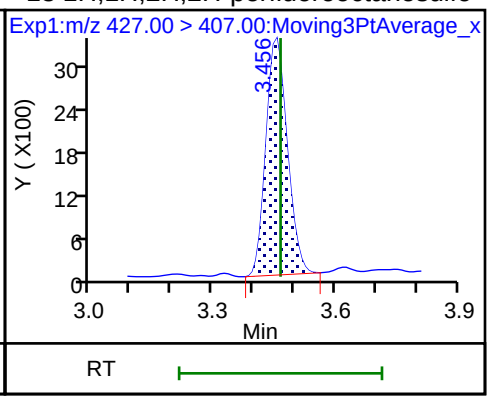
10 Perfluoroheptanoic acid (M)



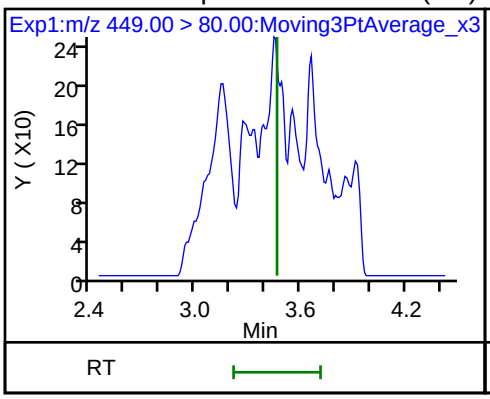
D 12 M2-6:2 FTS



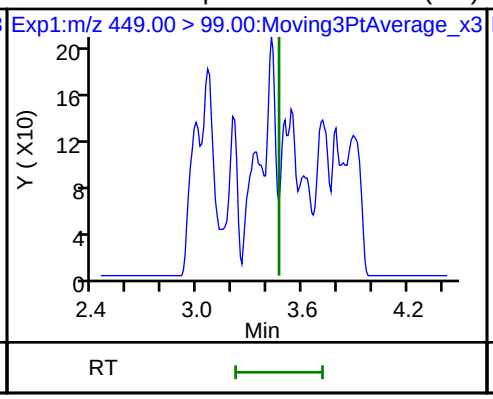
13 1H,1H,2H,2H-perfluorooctanesulfo



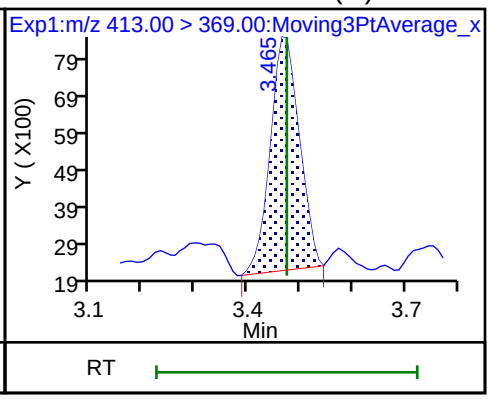
16 Perfluoroheptanesulfonic acid (ND)



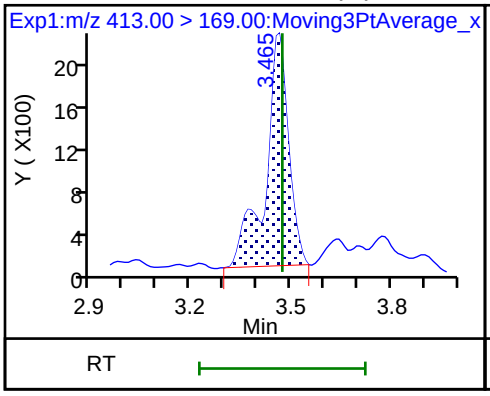
16 Perfluoroheptanesulfonic acid (ND)



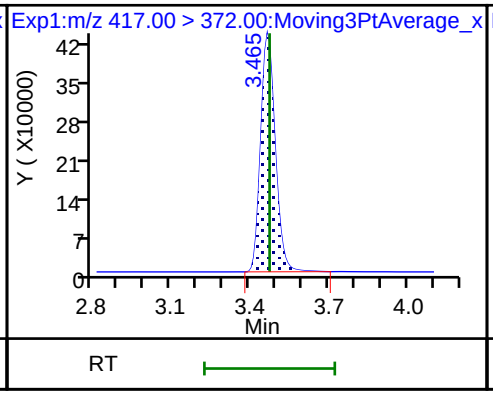
15 Perfluorooctanoic acid (M)



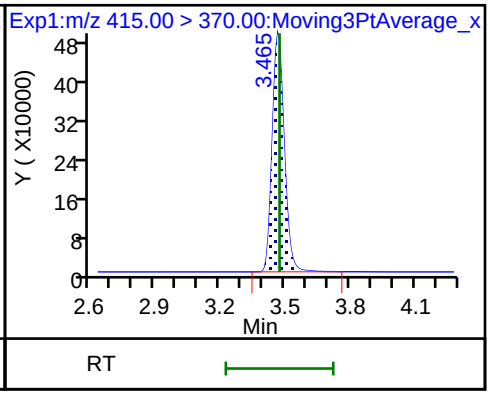
15 Perfluorooctanoic acid (M)



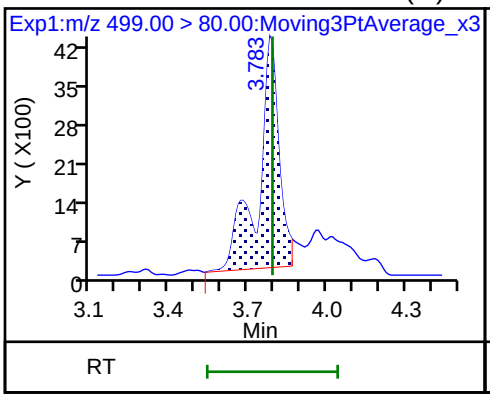
D 14 13C4 PFOA



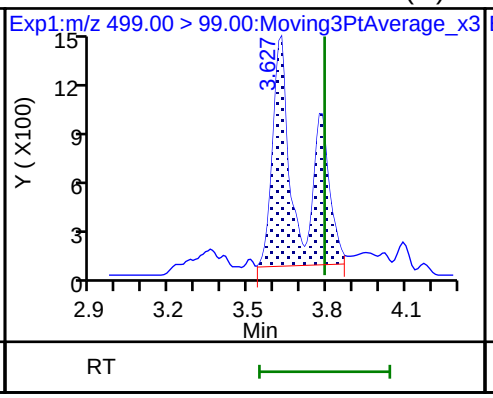
* 62 13C2 PFOA



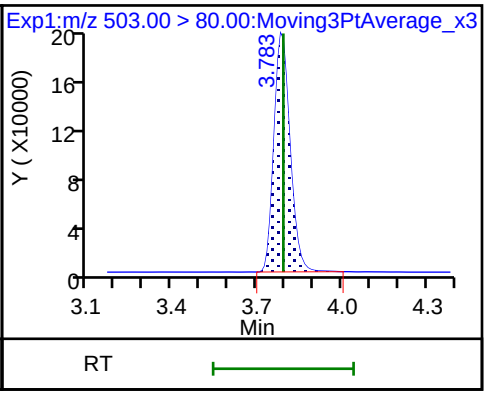
17 Perfluorooctanesulfonic acid (M)



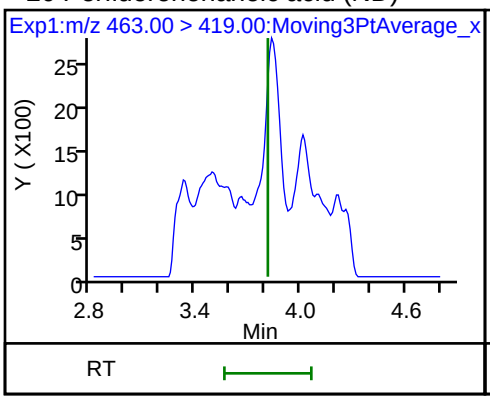
17 Perfluorooctanesulfonic acid (M)



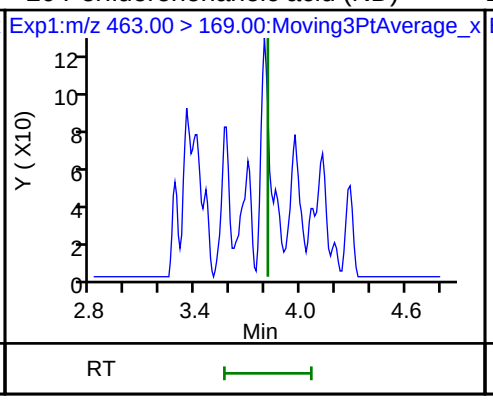
D 18 13C4 PFOS



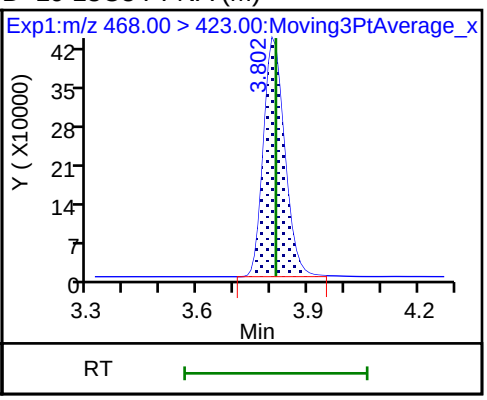
20 Perfluorononanoic acid (ND)



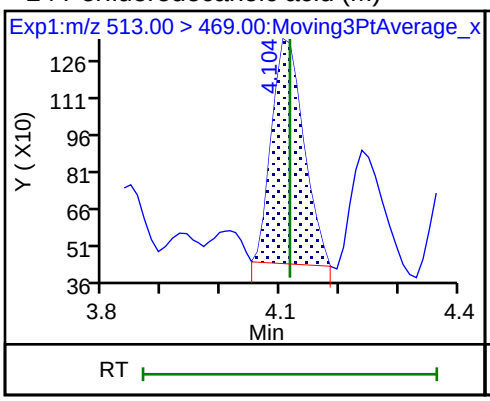
20 Perfluorononanoic acid (ND)



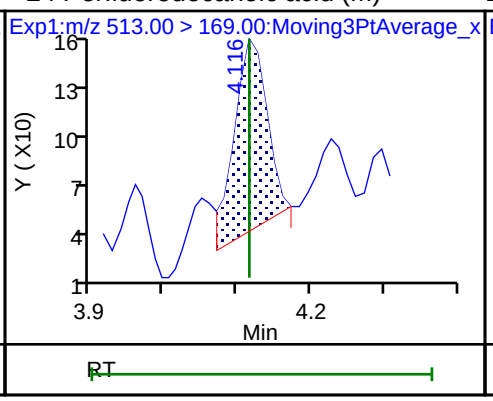
D 19 13C5 PFNA (M)



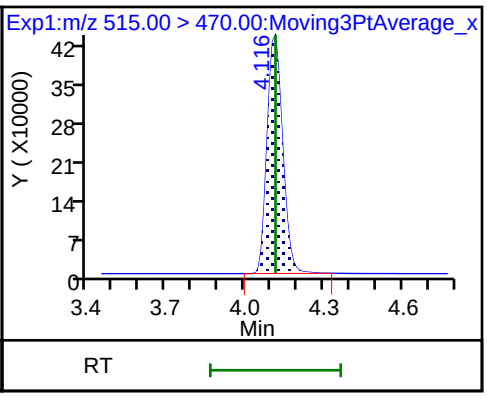
24 Perfluorodecanoic acid (M)



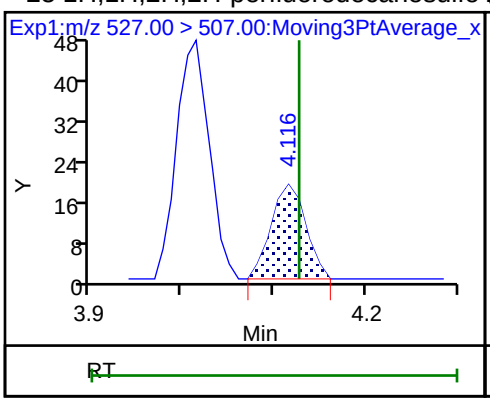
24 Perfluorodecanoic acid (M)



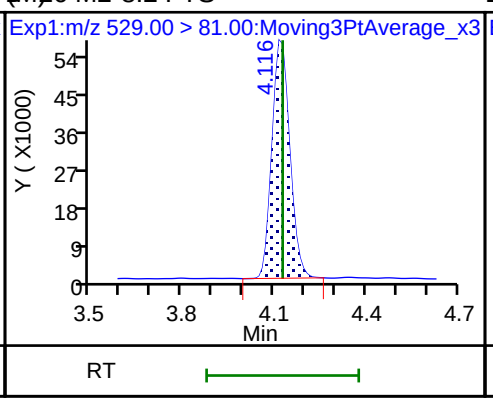
D 23 13C2 PFDA



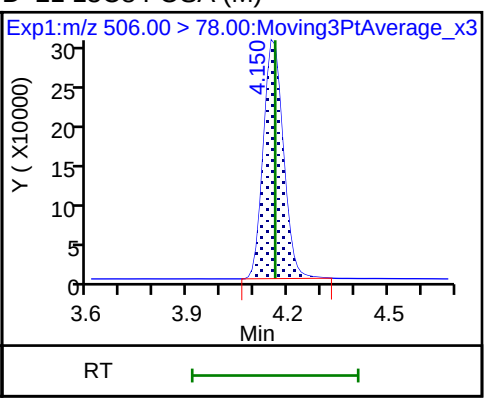
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



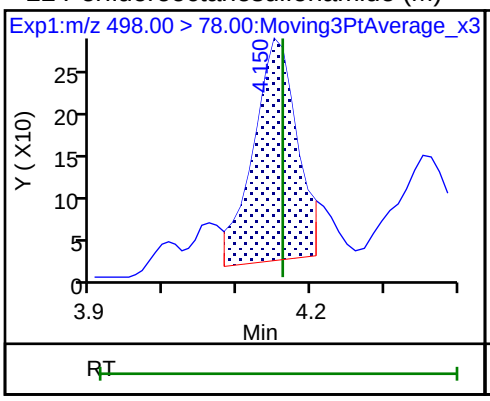
D 26 M2-8:2 FTS



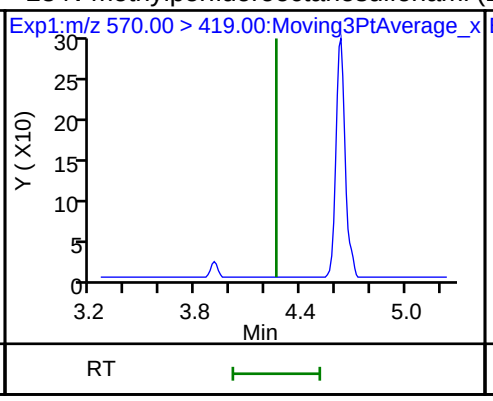
D 21 13C8 FOSA (M)



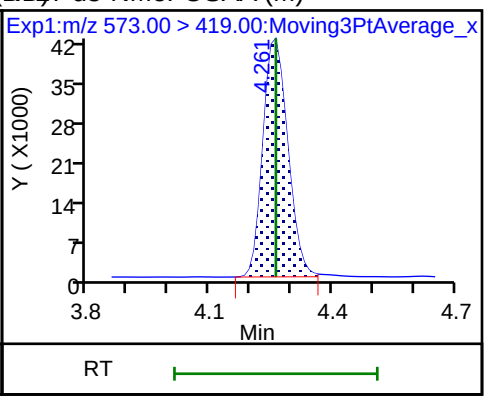
22 Perfluorooctanesulfonamide (M)



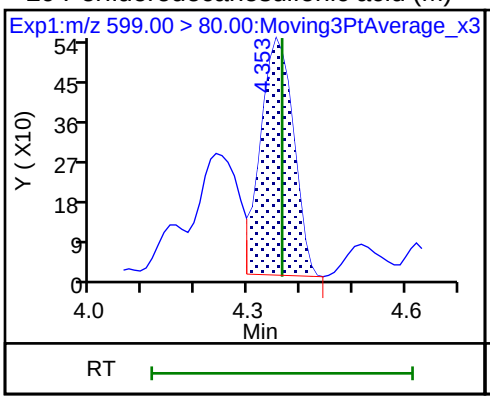
28 N-methylperfluorooctanesulfonami (M)



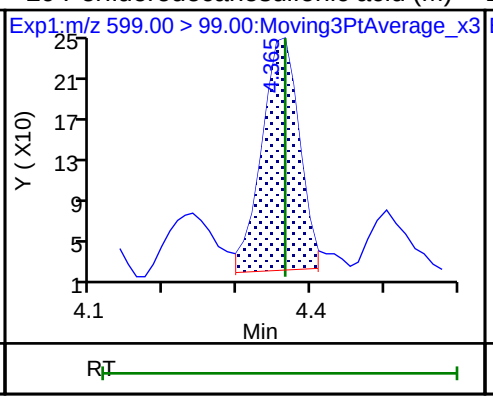
D 27 d3-NMeFOSAA (M)



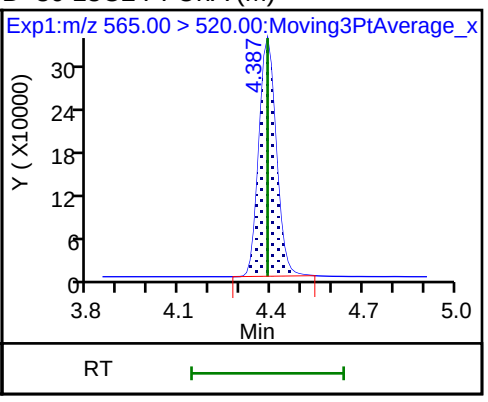
29 Perfluorodecanesulfonic acid (M)



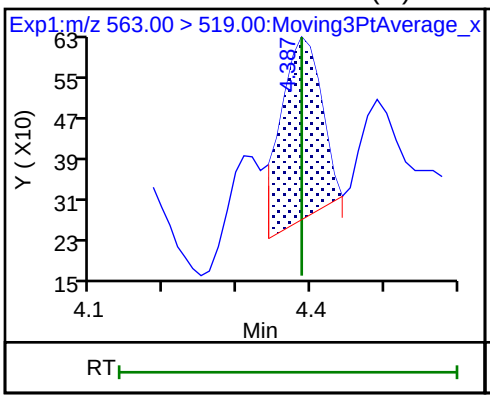
29 Perfluorodecanesulfonic acid (M)



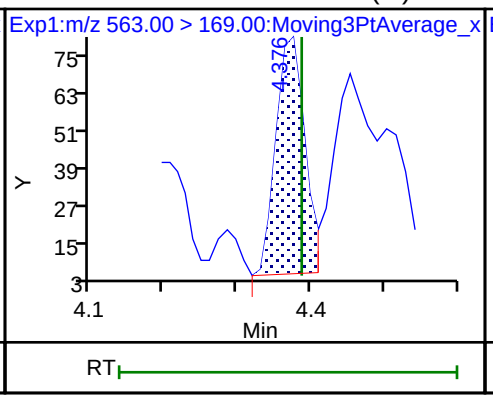
D 30 13C2 PFUnA (M)



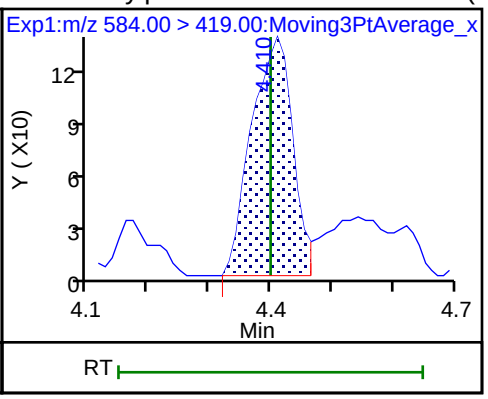
31 Perfluoroundecanoic acid (M)



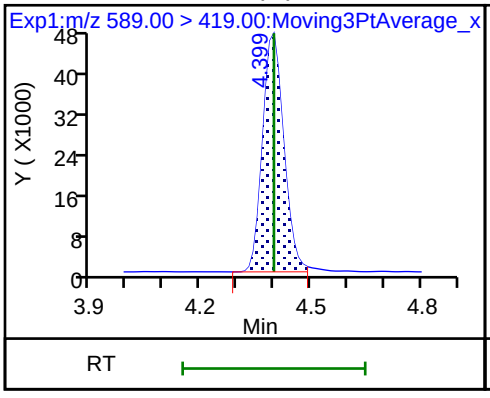
31 Perfluoroundecanoic acid (M)



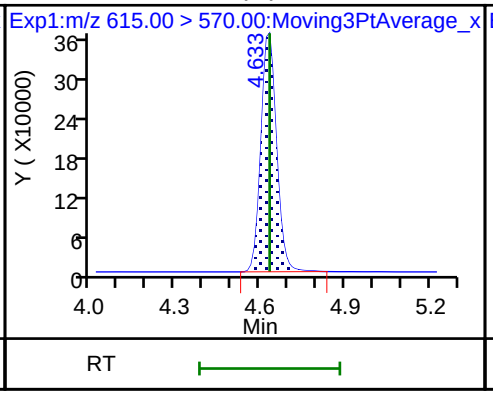
33 N-ethylperfluorooctanesulfonamid (M)



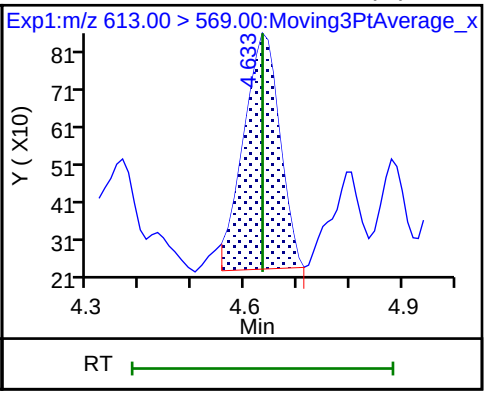
D 32 d5-NEtFOSAA (M)



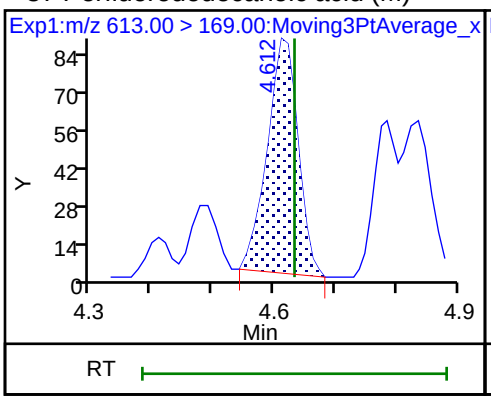
D 36 13C2 PFDoA (M)



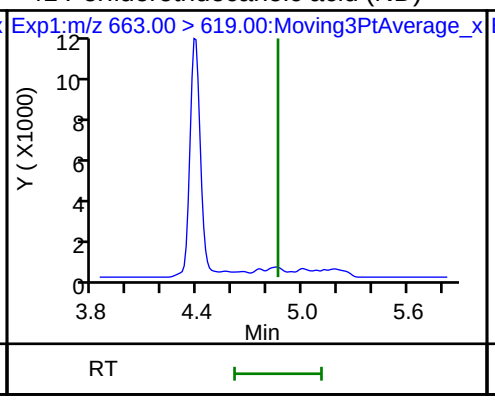
37 Perfluorododecanoic acid (M)



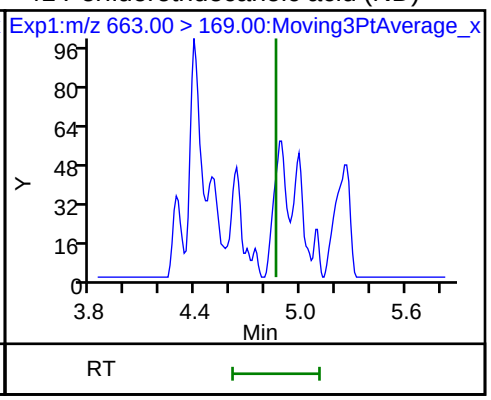
37 Perfluorododecanoic acid (M)



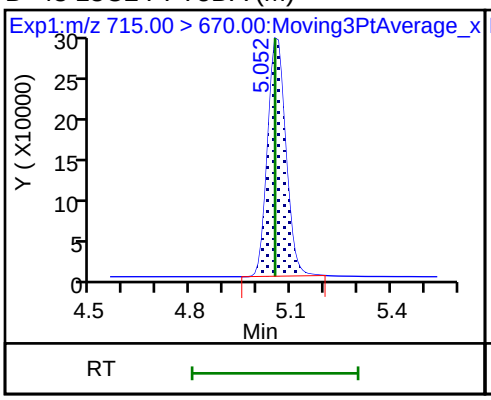
41 Perfluorotridecanoic acid (ND)



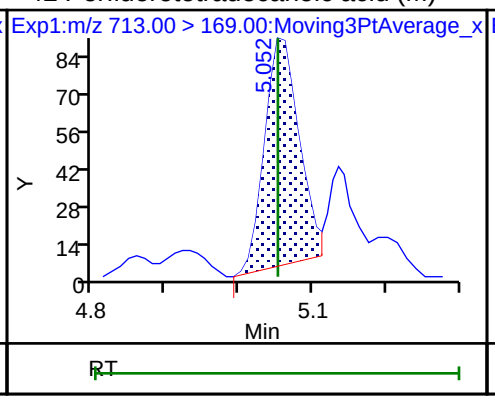
41 Perfluorotridecanoic acid (ND)



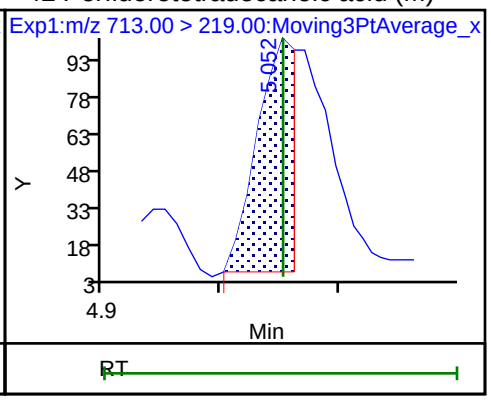
D 43 13C2 PFTeDA (M)



42 Perfluorotetradecanoic acid (M)



42 Perfluorotetradecanoic acid (M)



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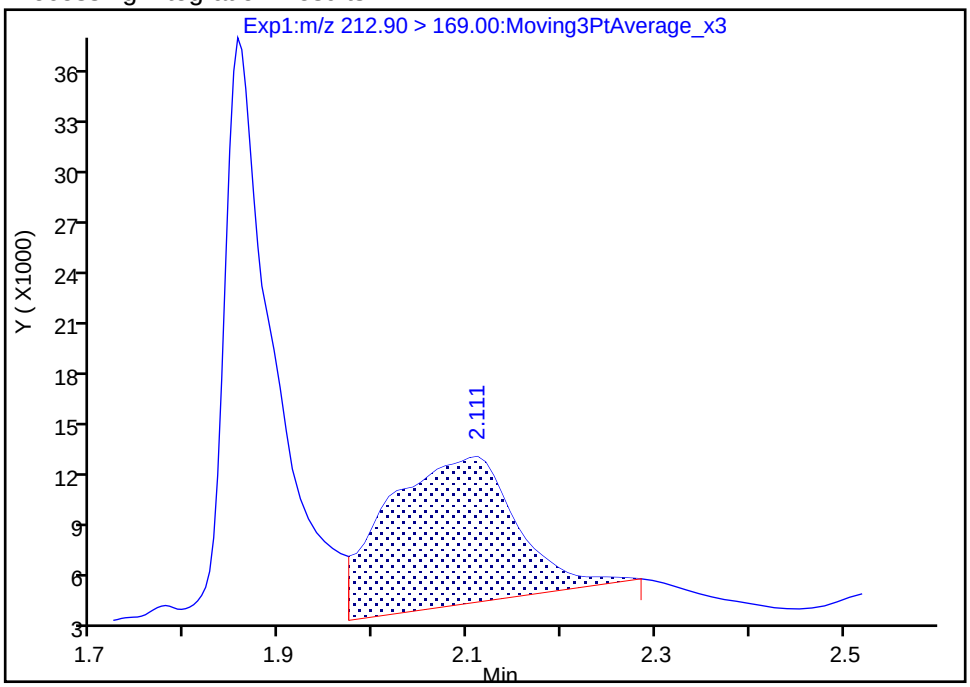
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Injection Date:	04-Aug-2022 16:03:57	Instrument ID:	LC812		
Lims ID:	460-262897-A-7-A	Lab Sample ID:	200-262897-7		
Client ID:	BCS-09-38 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

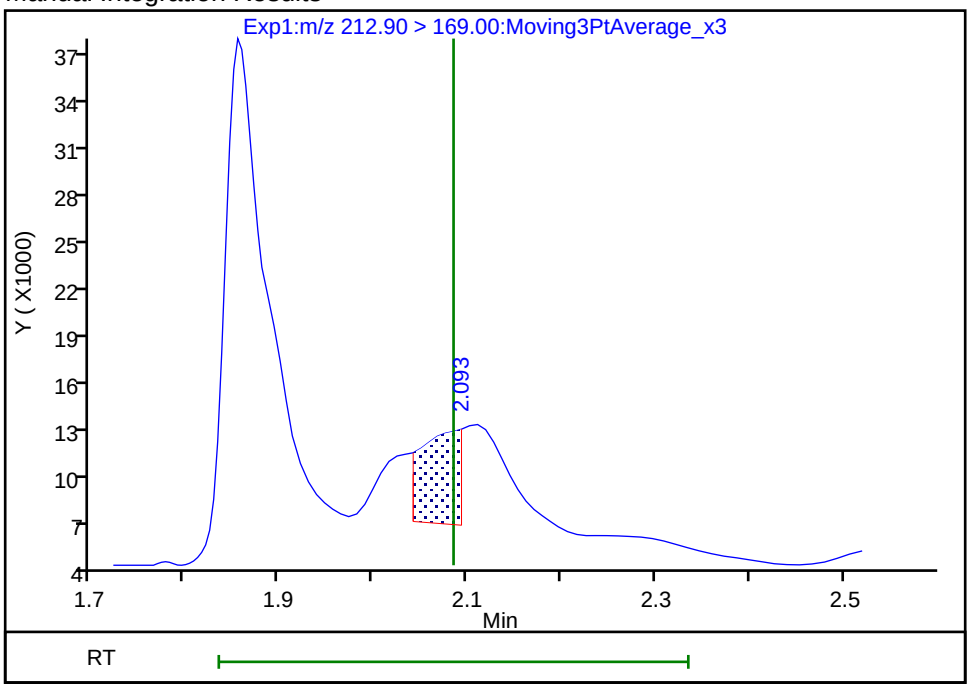
Processing Integration Results

RT: 2.11
Area: 81896
Amount: 0.052345
Amount Units: ng/ml



Manual Integration Results

RT: 2.09
Area: 16348
Amount: 0.010469
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:06:33
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

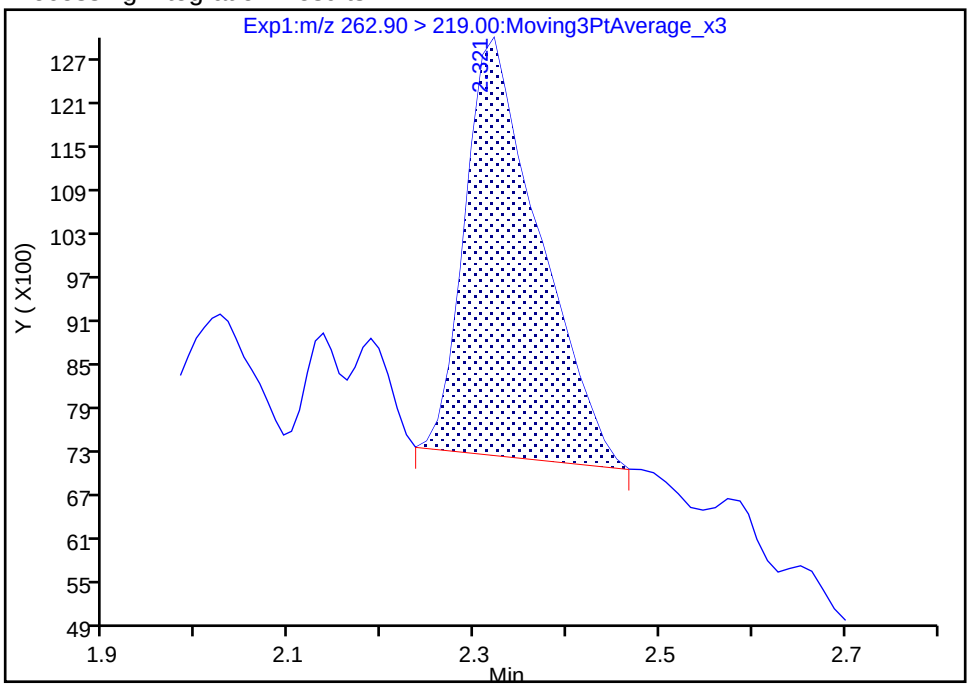
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Lims ID:	460-262897-A-7-A	Lab Sample ID:	200-262897-7		
Client ID:	BCS-09-38 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

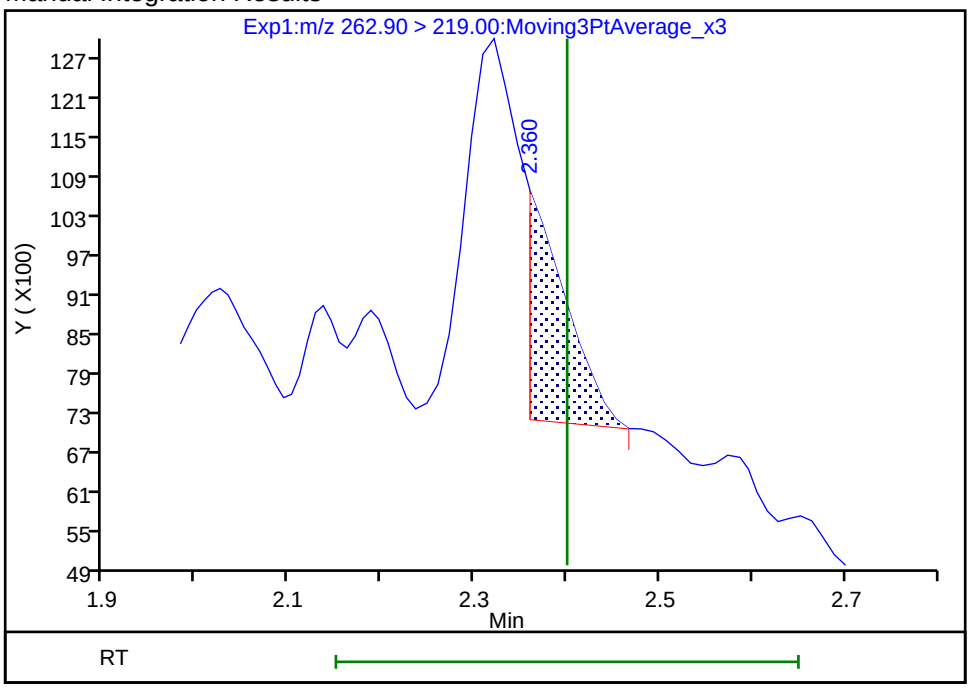
Processing Integration Results

RT: 2.32
Area: 32028
Amount: 0.023915
Amount Units: ng/ml



Manual Integration Results

RT: 2.36
Area: 9178
Amount: 0.006853
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:06:39

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

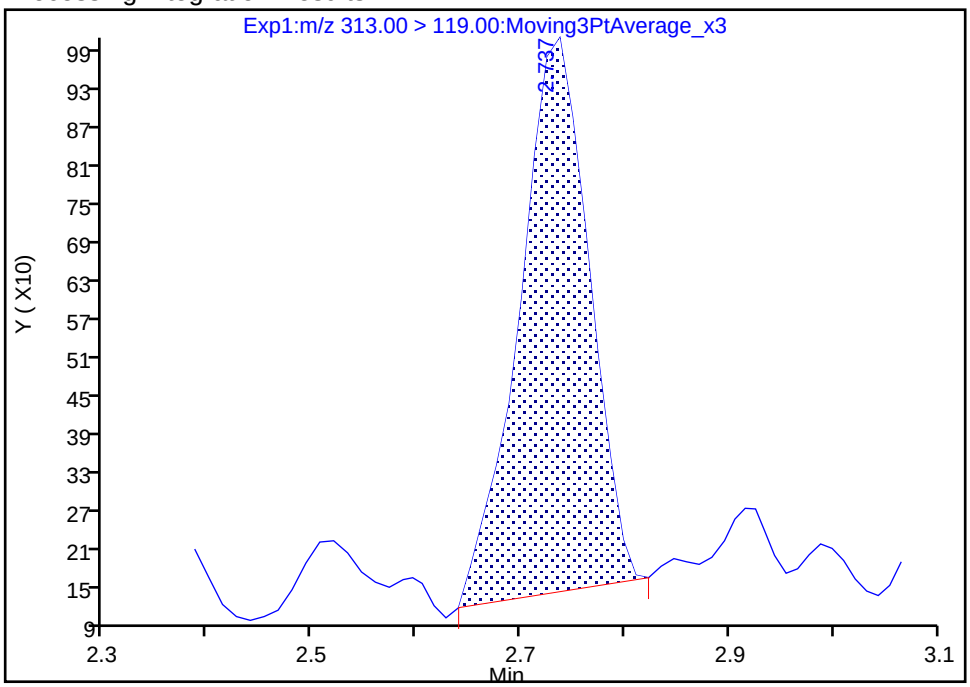
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Lims ID:	460-262897-A-7-A	Lab Sample ID:	200-262897-7		
Client ID:	BCS-09-38 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

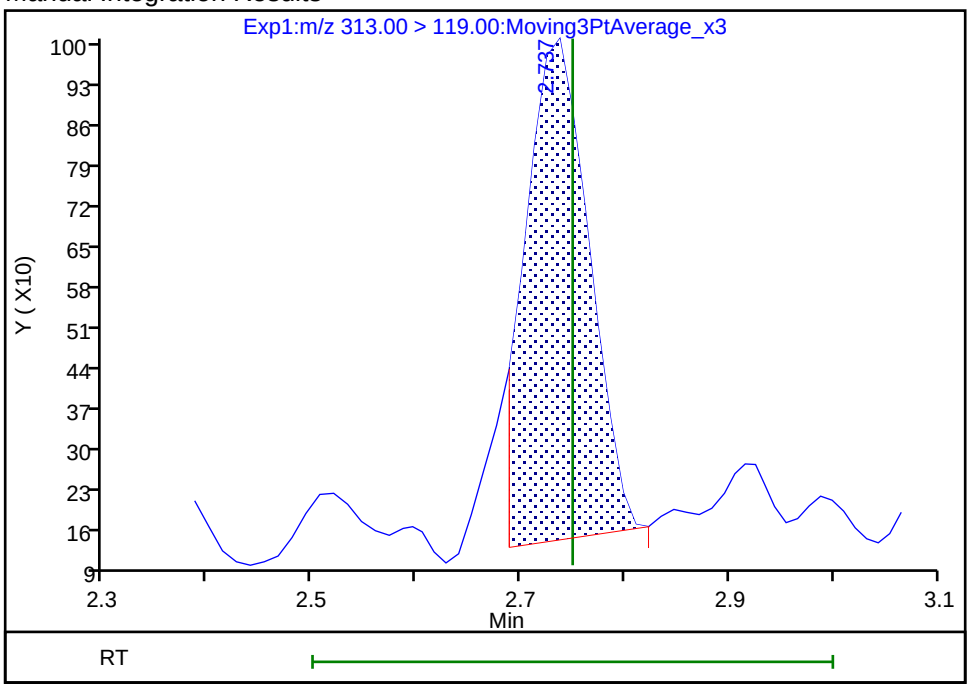
Processing Integration Results

RT: 2.74
Area: 4052
Amount: 0.029458
Amount Units: ng/ml



Manual Integration Results

RT: 2.74
Area: 3640
Amount: 0.027794
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:06:52

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

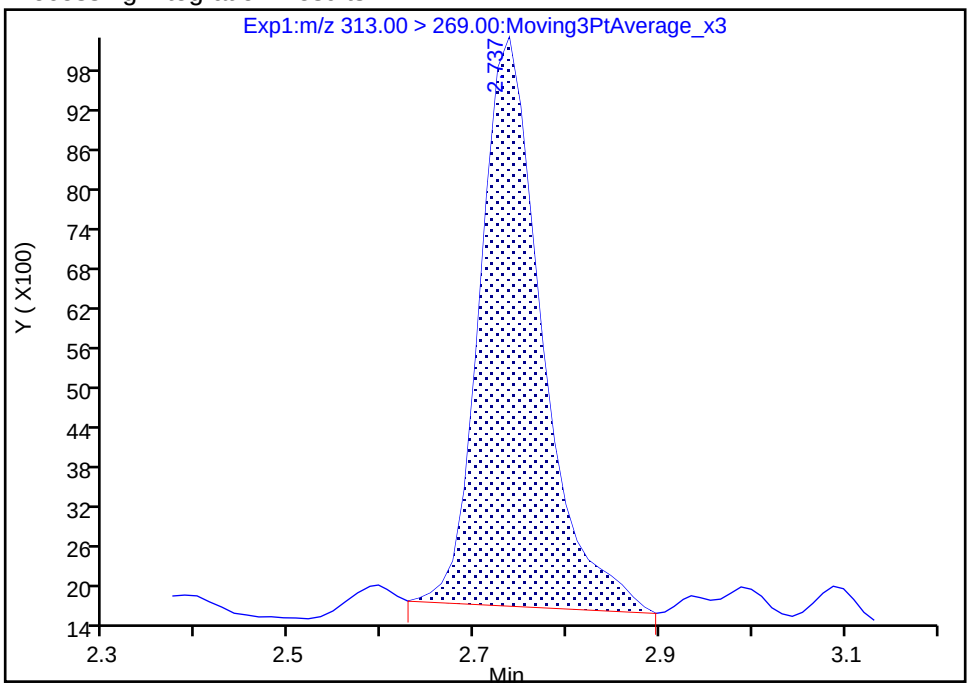
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Injection Date:	04-Aug-2022 16:03:57	Instrument ID:	LC812		
Lims ID:	460-262897-A-7-A	Lab Sample ID:	200-262897-7		
Client ID:	BCS-09-38 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

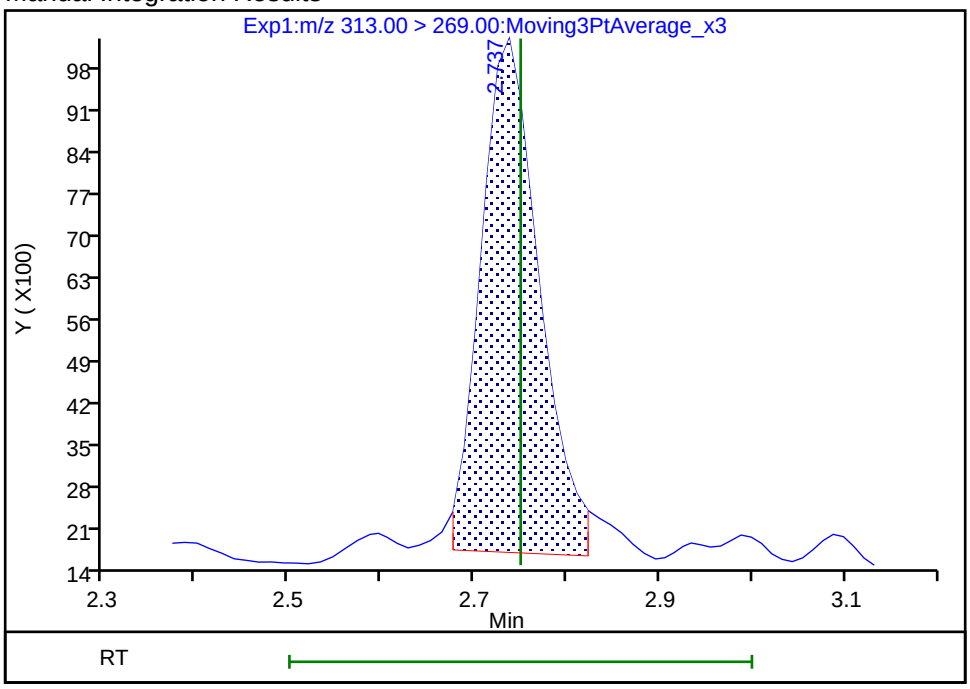
Processing Integration Results

RT: 2.74
Area: 39801
Amount: 0.029458
Amount Units: ng/ml



Manual Integration Results

RT: 2.74
Area: 37552
Amount: 0.027794
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:38:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

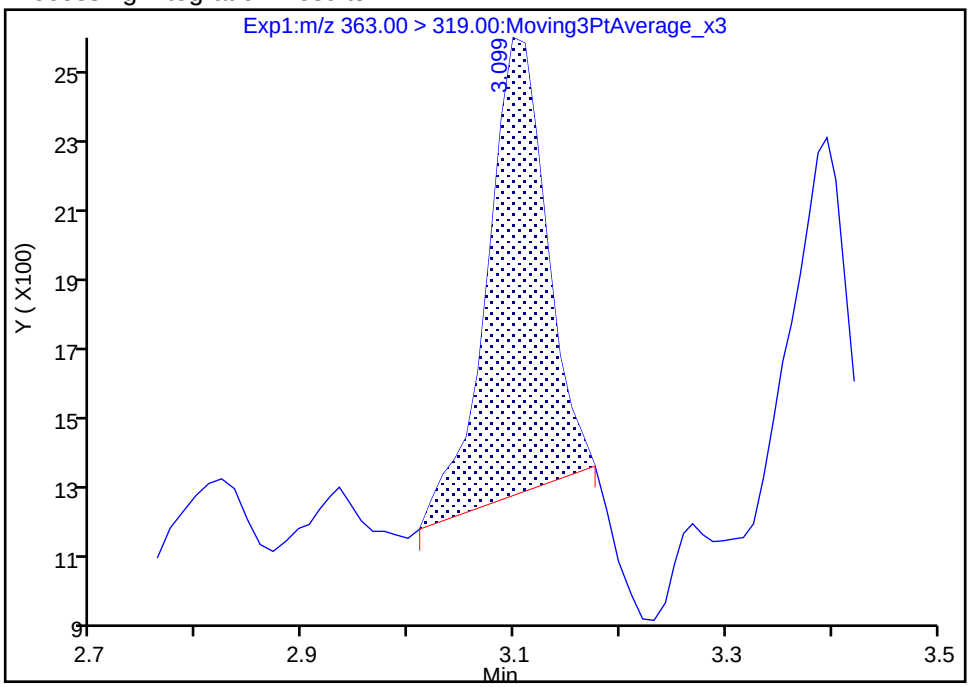
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Injection Date:	04-Aug-2022 16:03:57	Instrument ID:	LC812		
Lims ID:	460-262897-A-7-A	Lab Sample ID:	200-262897-7		
Client ID:	BCS-09-38 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

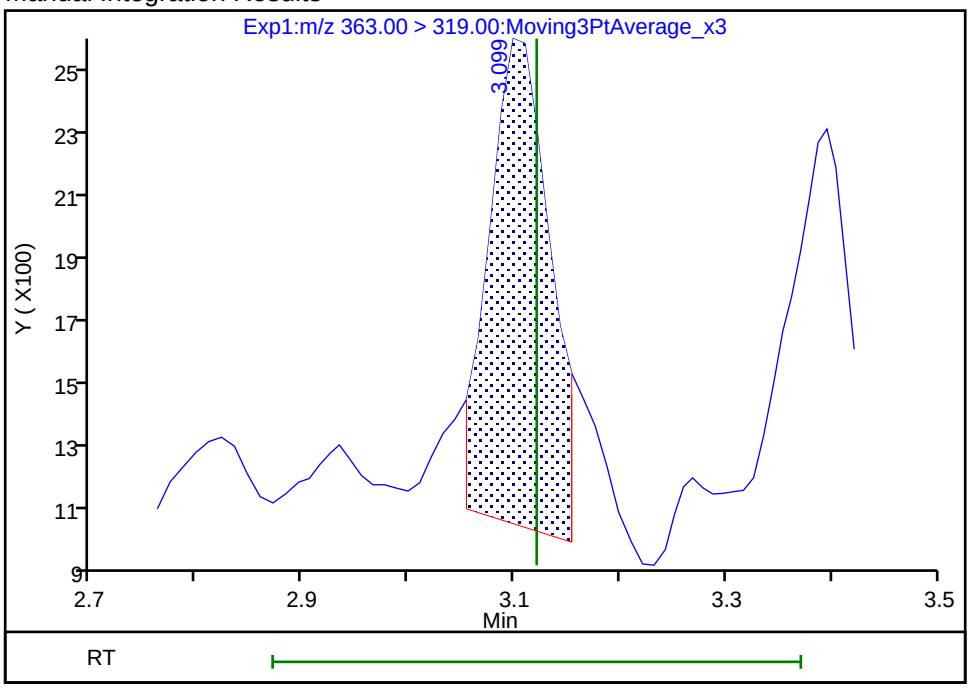
Processing Integration Results

RT: 3.10
Area: 4897
Amount: 0.003652
Amount Units: ng/ml



Manual Integration Results

RT: 3.10
Area: 5832
Amount: 0.004349
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:07:29

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

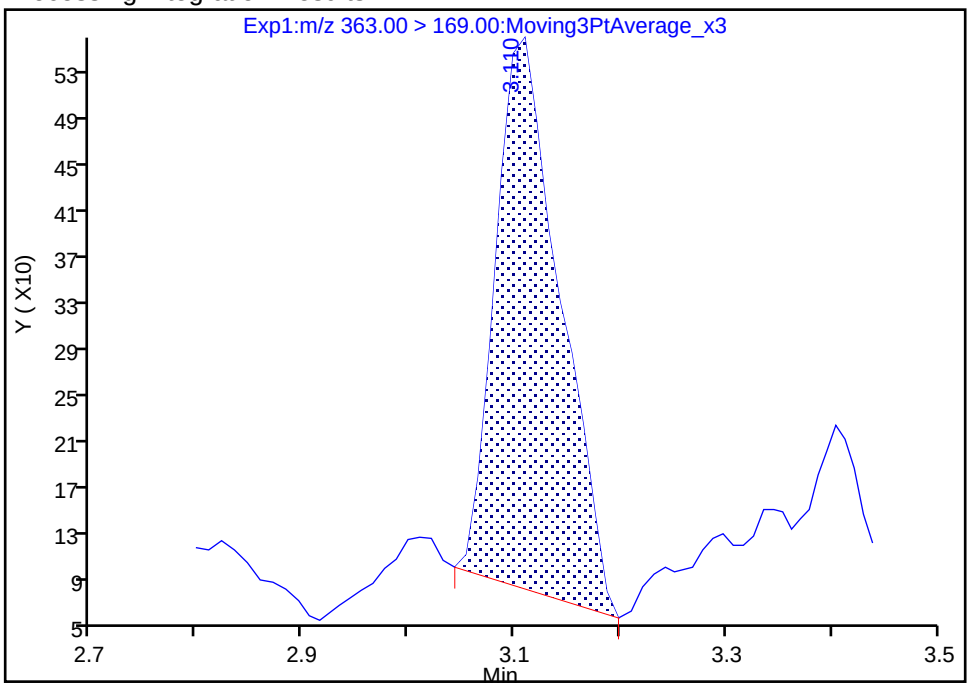
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Lims ID:	460-262897-A-7-A	Lab Sample ID:	200-262897-7		
Client ID:	BCS-09-38 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

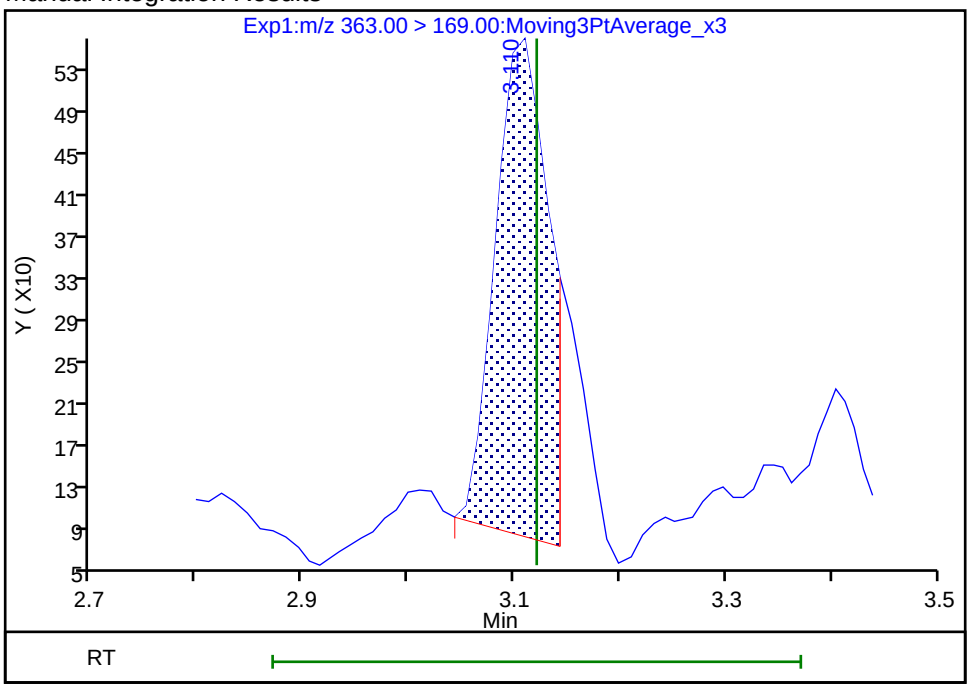
Processing Integration Results

RT: 3.11
Area: 2029
Amount: 0.003652
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 1624
Amount: 0.004349
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:07:31
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

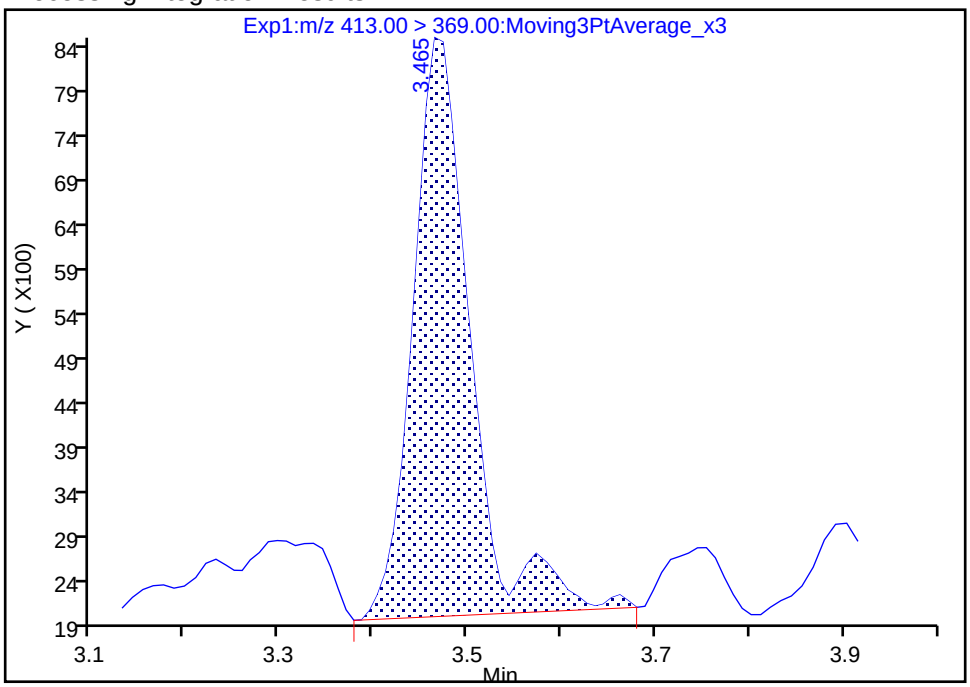
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Injection Date:	04-Aug-2022 16:03:57	Instrument ID:	LC812		
Lims ID:	460-262897-A-7-A	Lab Sample ID:	200-262897-7		
Client ID:	BCS-09-38 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

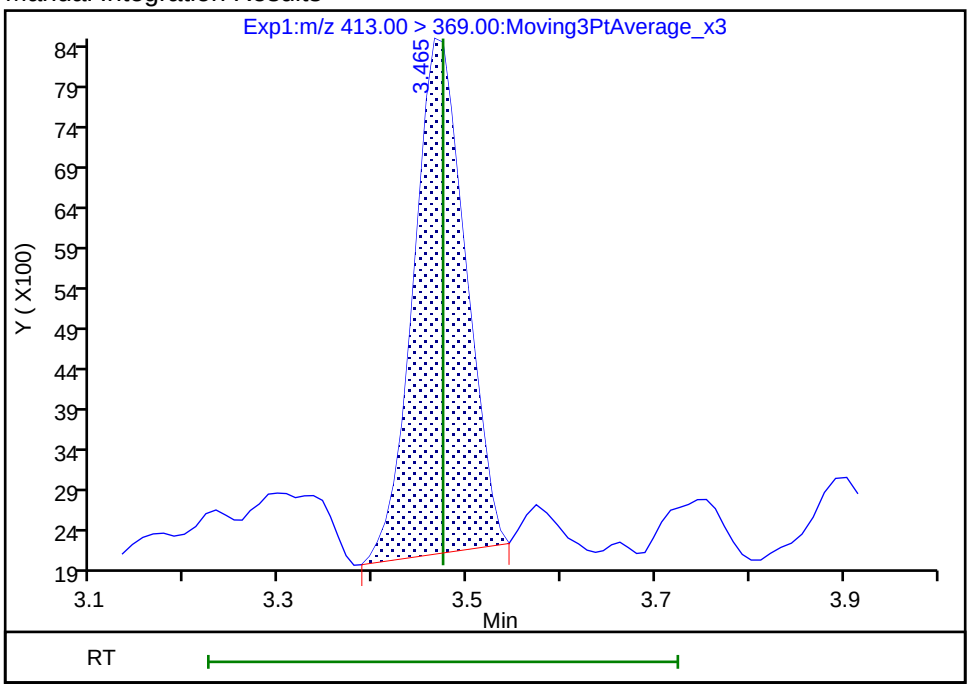
Processing Integration Results

RT: 3.47
Area: 27306
Amount: 0.018374
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 24280
Amount: 0.016338
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:07:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

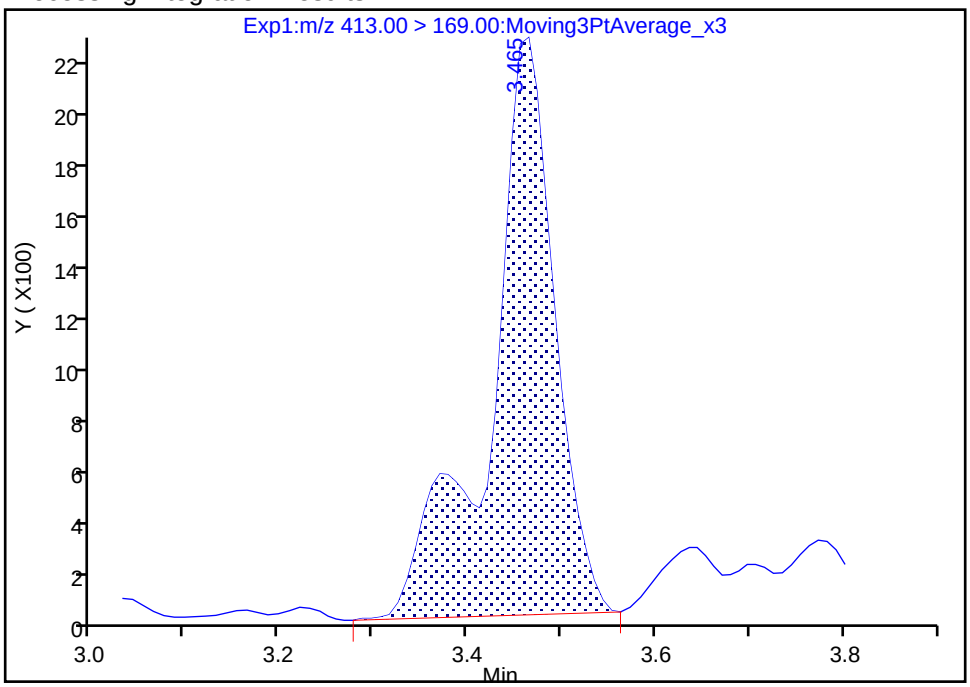
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Injection Date:	04-Aug-2022 16:03:57	Instrument ID:	LC812		
Lims ID:	460-262897-A-7-A	Lab Sample ID:	200-262897-7		
Client ID:	BCS-09-38 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

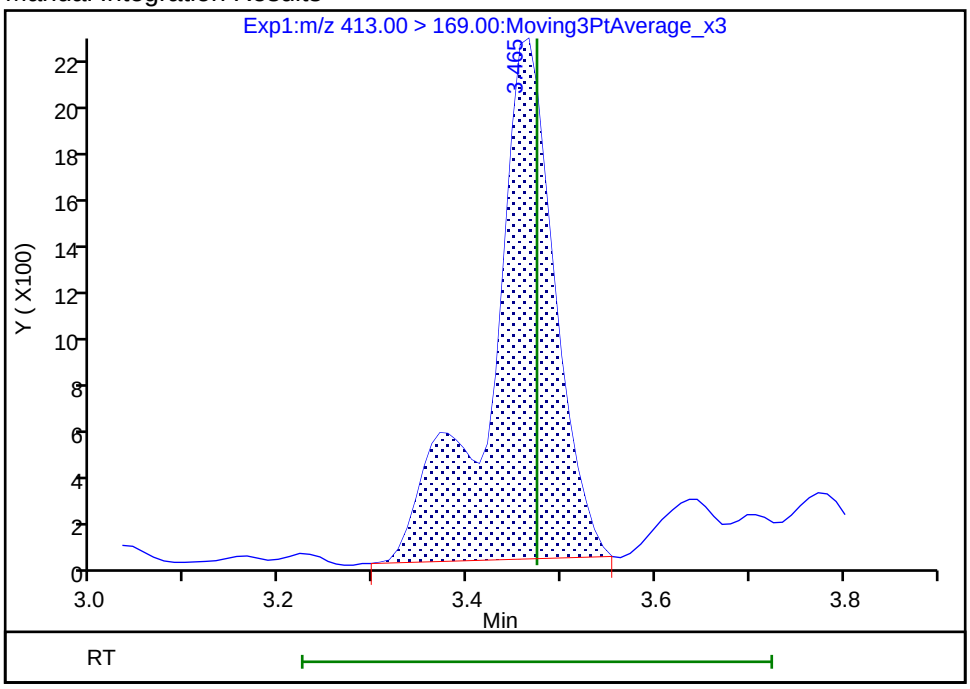
Processing Integration Results

RT: 3.47
Area: 10580
Amount: 0.018374
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 10490
Amount: 0.016338
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:07:44
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

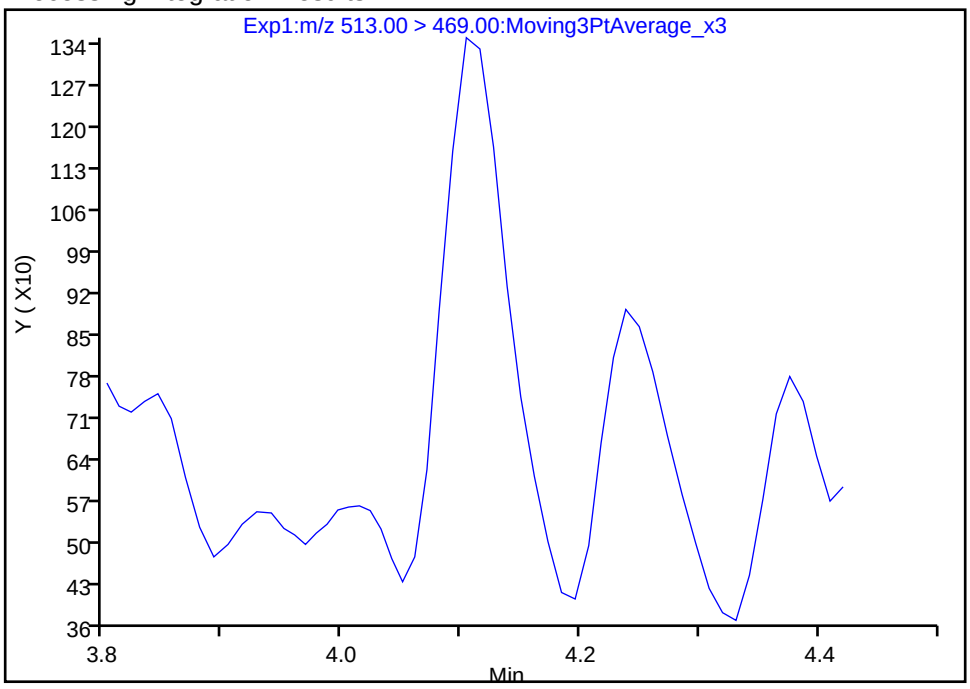
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B16.d				
Injection Date:	04-Aug-2022 16:03:57	Instrument ID:	LC812		
Lims ID:	460-262897-A-7-A	Lab Sample ID:	200-262897-7		
Client ID:	BCS-09-38 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

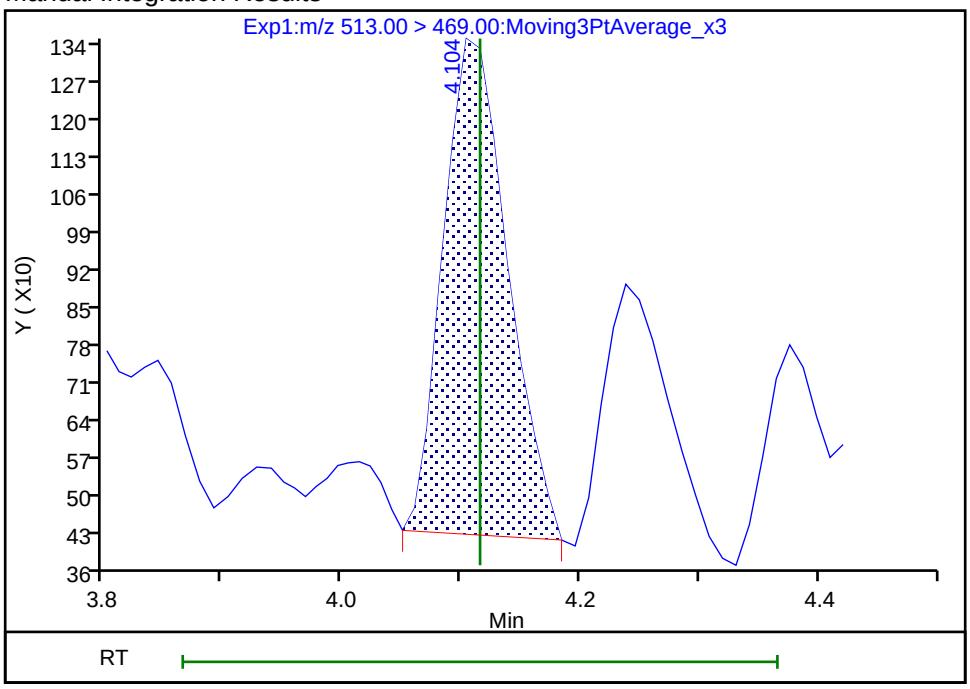
Not Detected
Expected RT: 4.12

Processing Integration Results



Manual Integration Results

RT: 4.10
Area: 3475
Amount: 0.002316
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:08:25
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

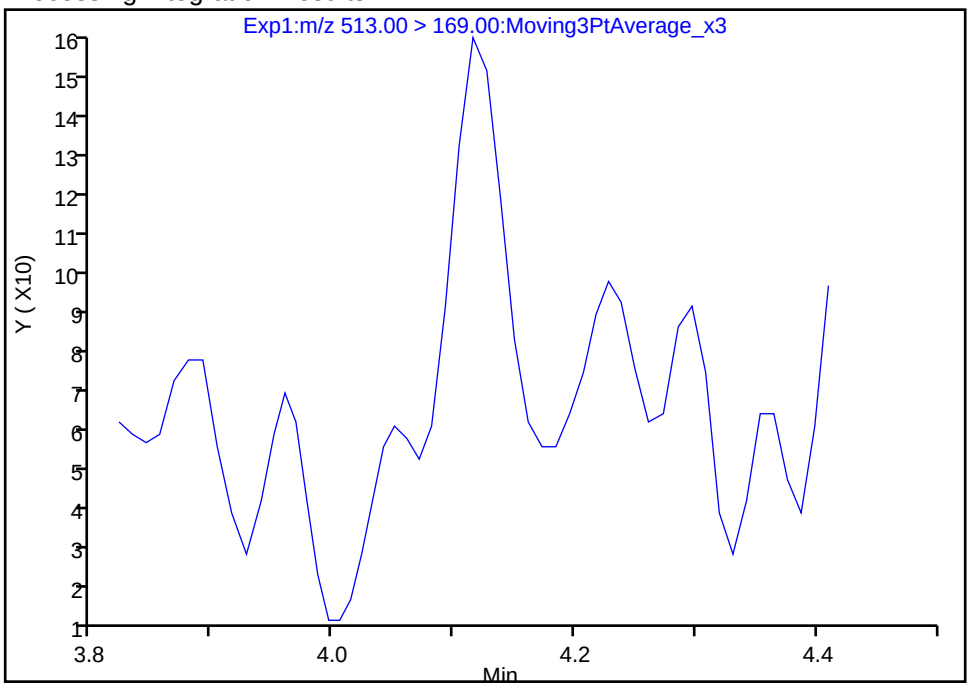
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B16.d				
Injection Date:	04-Aug-2022 16:03:57	Instrument ID:	LC812		
Lims ID:	460-262897-A-7-A	Lab Sample ID:	200-262897-7		
Client ID:	BCS-09-38 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

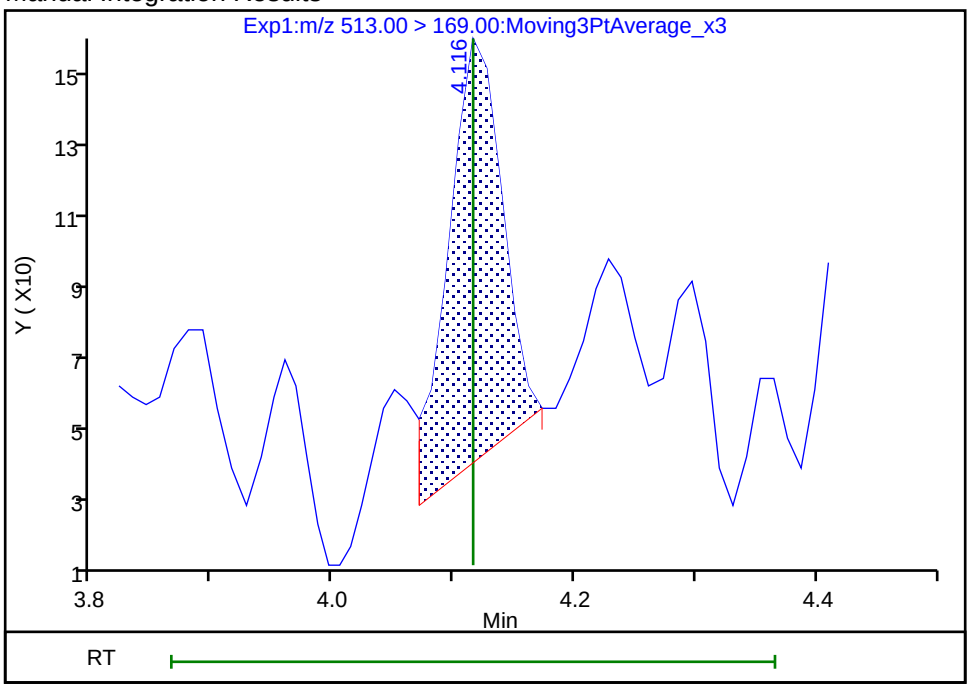
Not Detected
Expected RT: 4.12

Processing Integration Results



Manual Integration Results

RT: 4.12
Area: 348
Amount: 0.002316
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:08:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

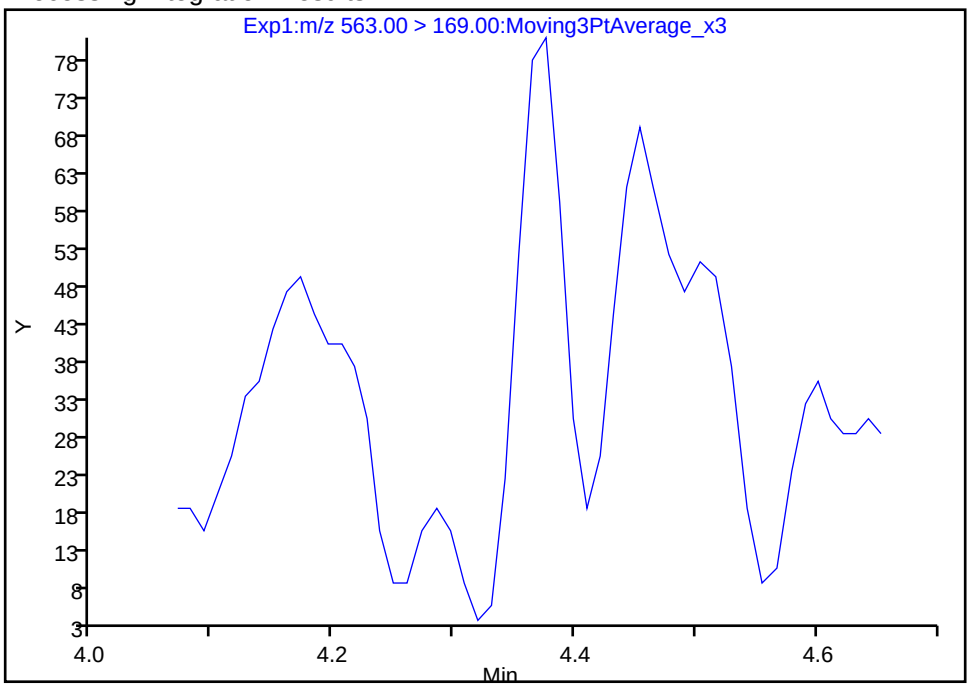
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B16.d				
Injection Date:	04-Aug-2022 16:03:57	Instrument ID:	LC812		
Lims ID:	460-262897-A-7-A	Lab Sample ID:	200-262897-7		
Client ID:	BCS-09-38 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

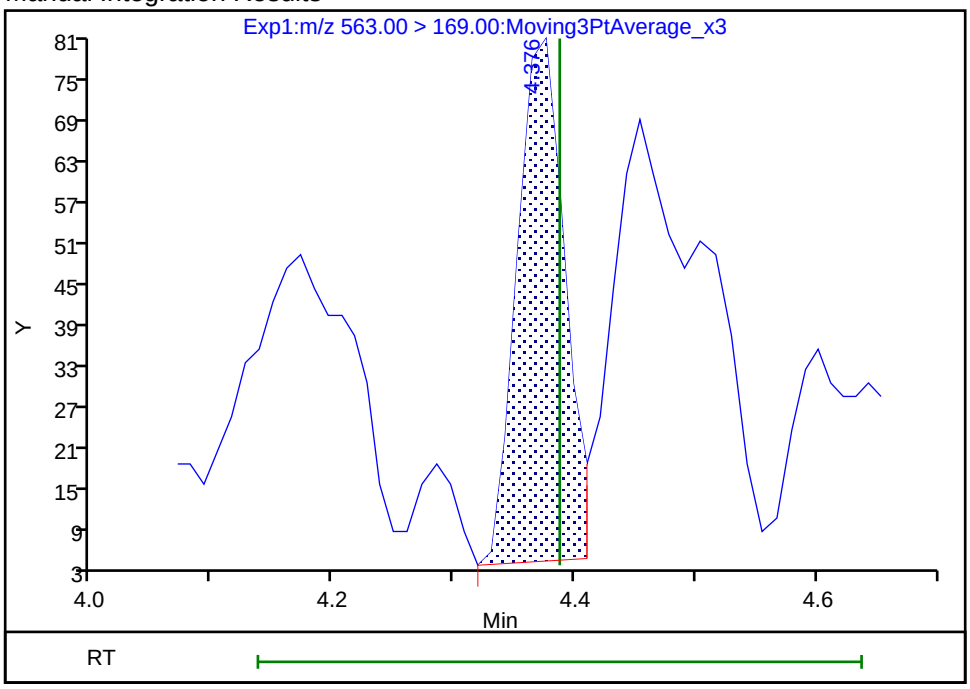
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.38
Area: 209
Amount: 0.001237
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:09:32
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

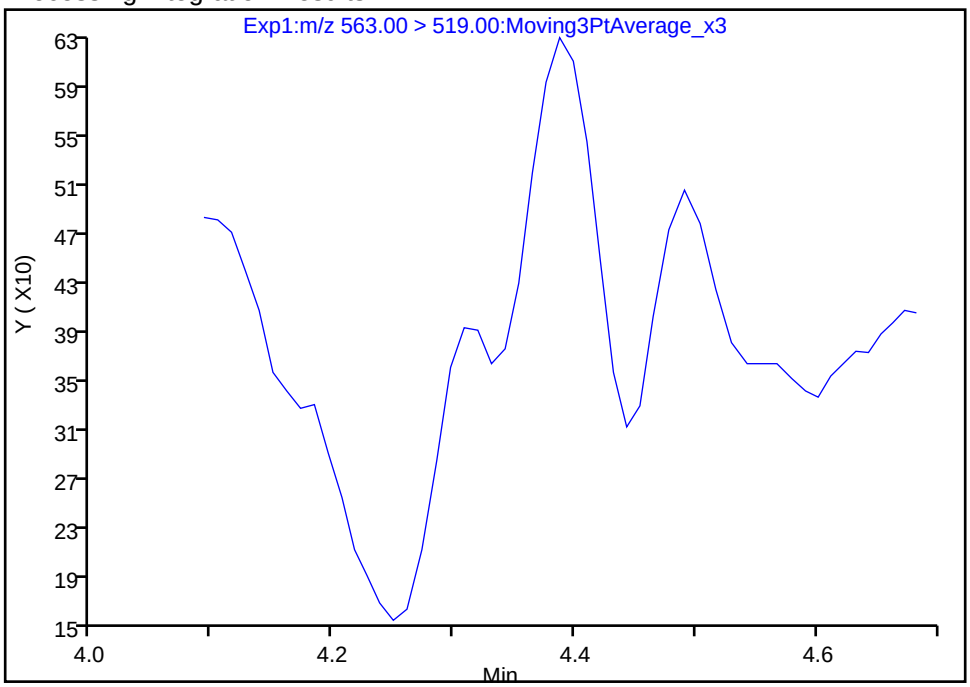
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B16.d				
Injection Date:	04-Aug-2022 16:03:57	Instrument ID:	LC812		
Lims ID:	460-262897-A-7-A	Lab Sample ID:	200-262897-7		
Client ID:	BCS-09-38 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

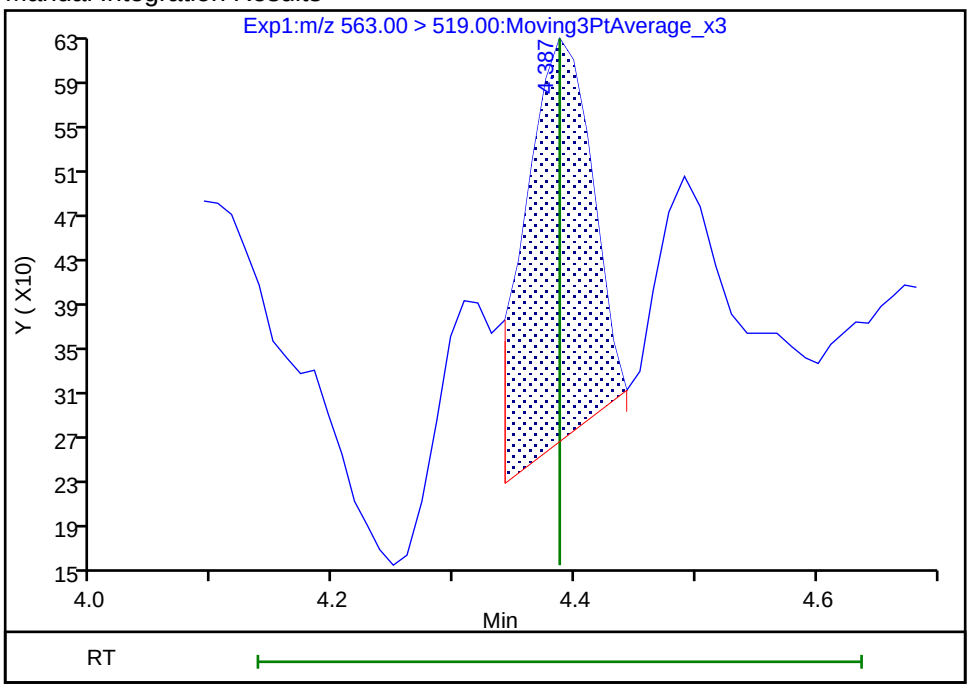
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.39
Area: 1362
Amount: 0.001237
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:09:34
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

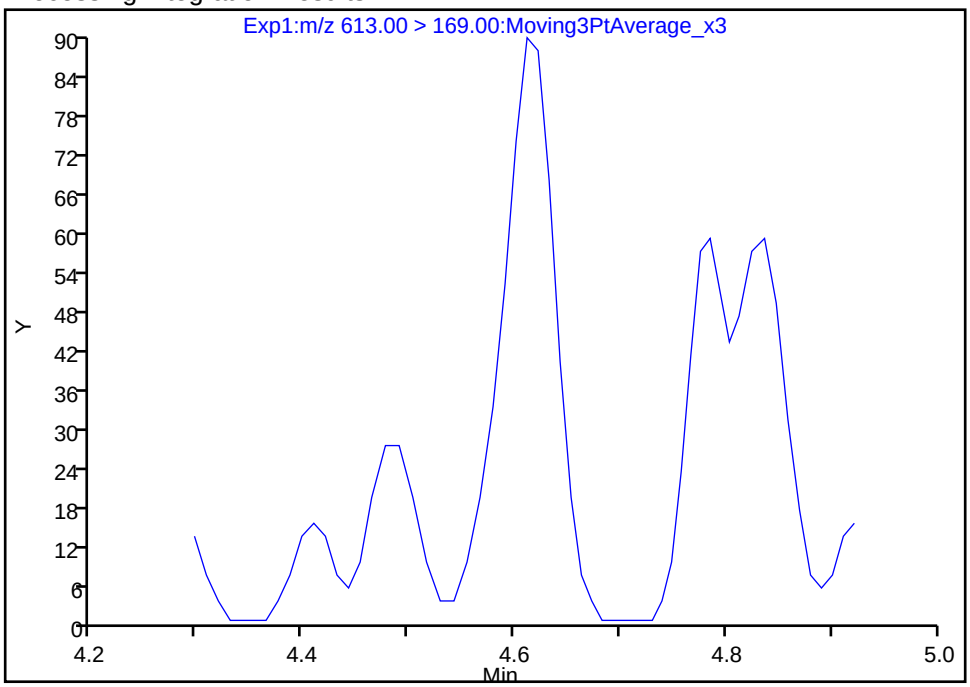
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B16.d				
Injection Date:	04-Aug-2022 16:03:57	Instrument ID:	LC812		
Lims ID:	460-262897-A-7-A	Lab Sample ID:	200-262897-7		
Client ID:	BCS-09-38 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

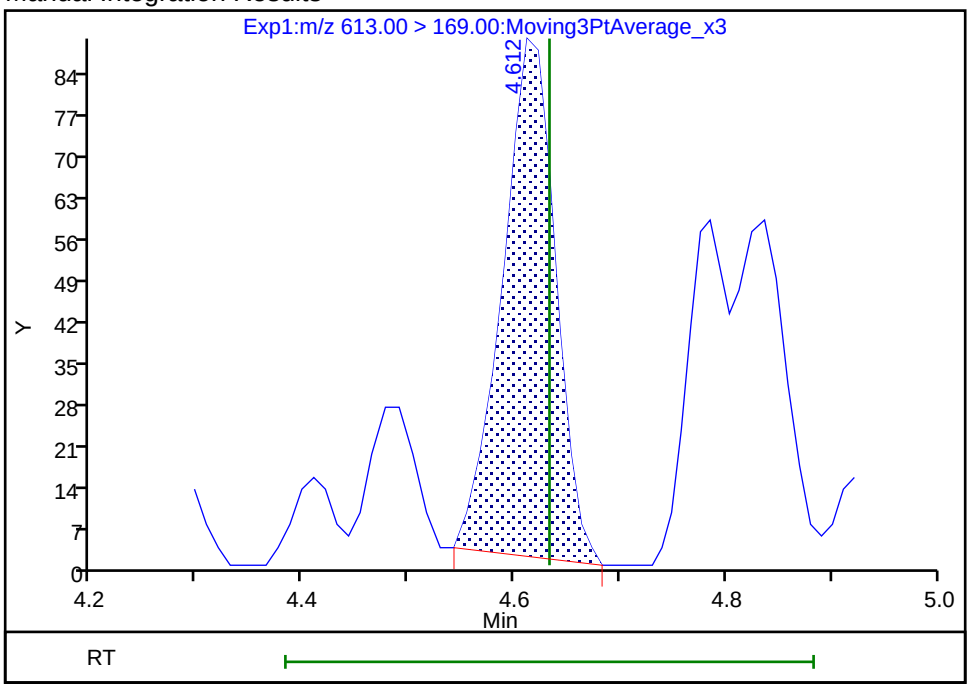
Not Detected
Expected RT: 4.63

Processing Integration Results



Manual Integration Results

RT: 4.61
Area: 309
Amount: 0.002648
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:09:47
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

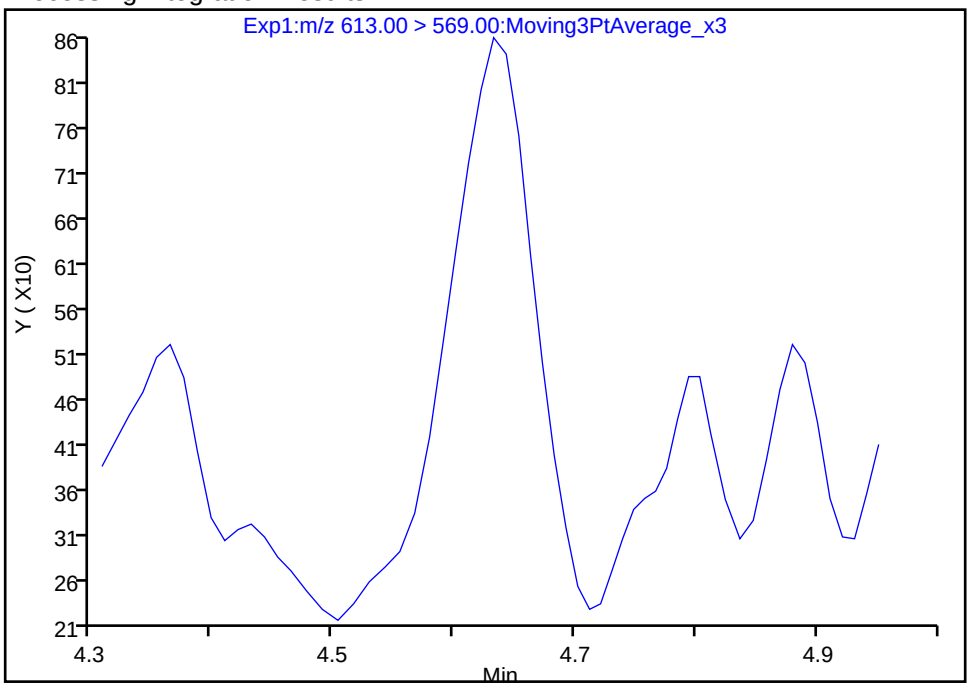
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B16.d				
Injection Date:	04-Aug-2022 16:03:57	Instrument ID:	LC812		
Lims ID:	460-262897-A-7-A	Lab Sample ID:	200-262897-7		
Client ID:	BCS-09-38 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

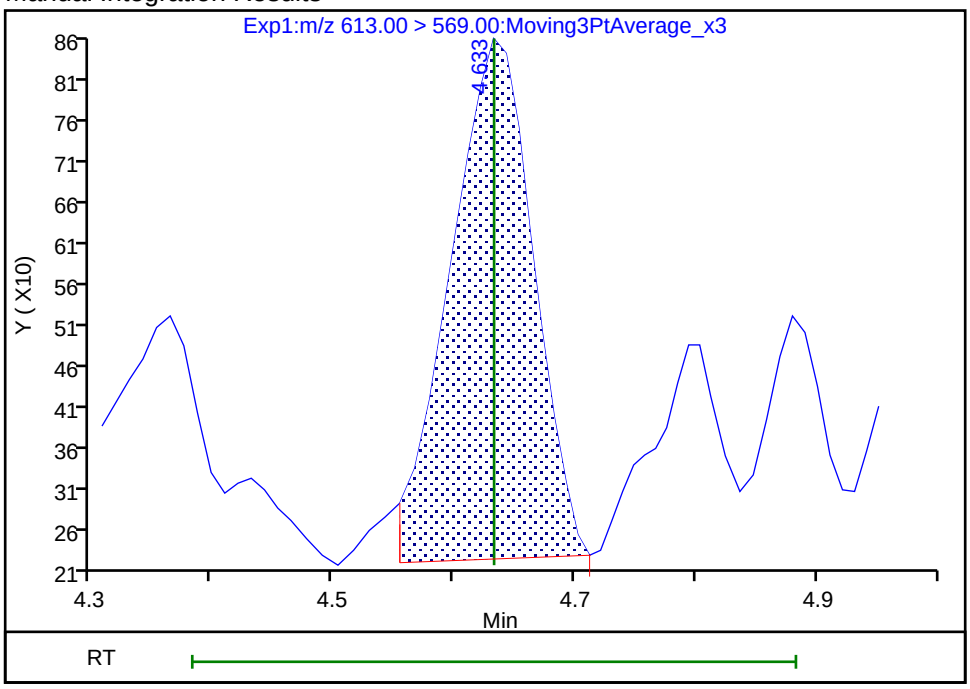
Not Detected
Expected RT: 4.63

Processing Integration Results



Manual Integration Results

RT: 4.63
Area: 3003
Amount: 0.002648
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:09:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

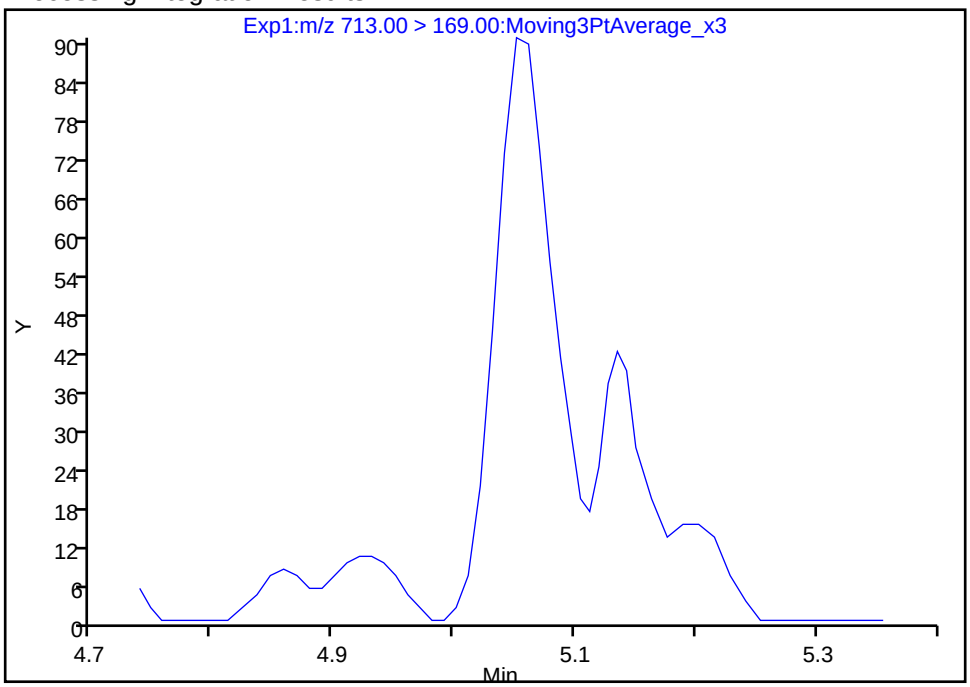
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B16.d				
Injection Date:	04-Aug-2022 16:03:57	Instrument ID:	LC812		
Lims ID:	460-262897-A-7-A	Lab Sample ID:	200-262897-7		
Client ID:	BCS-09-38 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

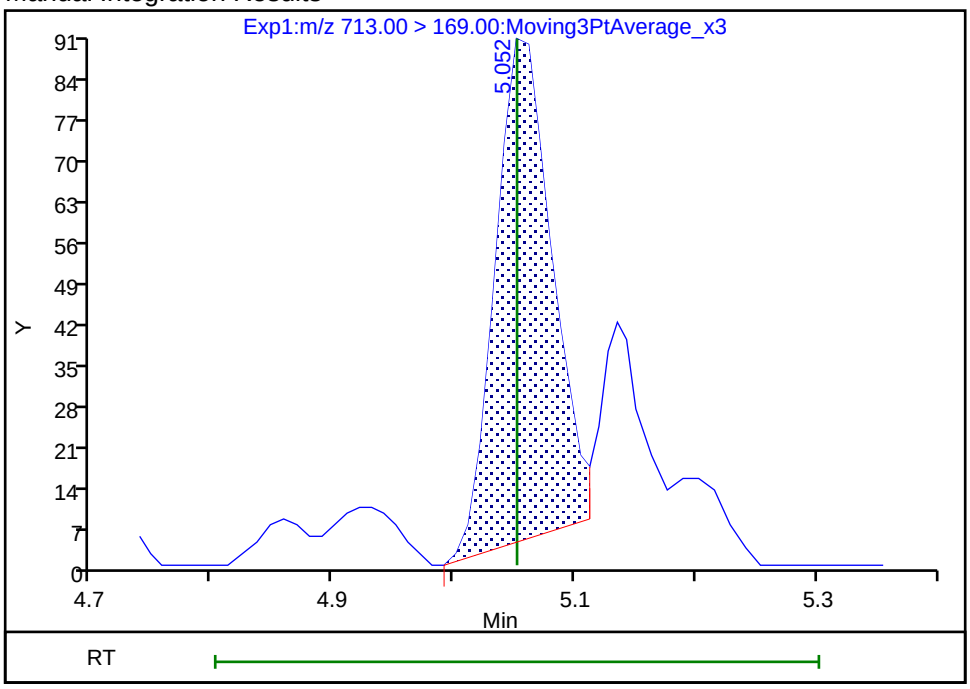
Not Detected
Expected RT: 5.05

Processing Integration Results



Manual Integration Results

RT: 5.05
Area: 282
Amount: 0.002005
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:10:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

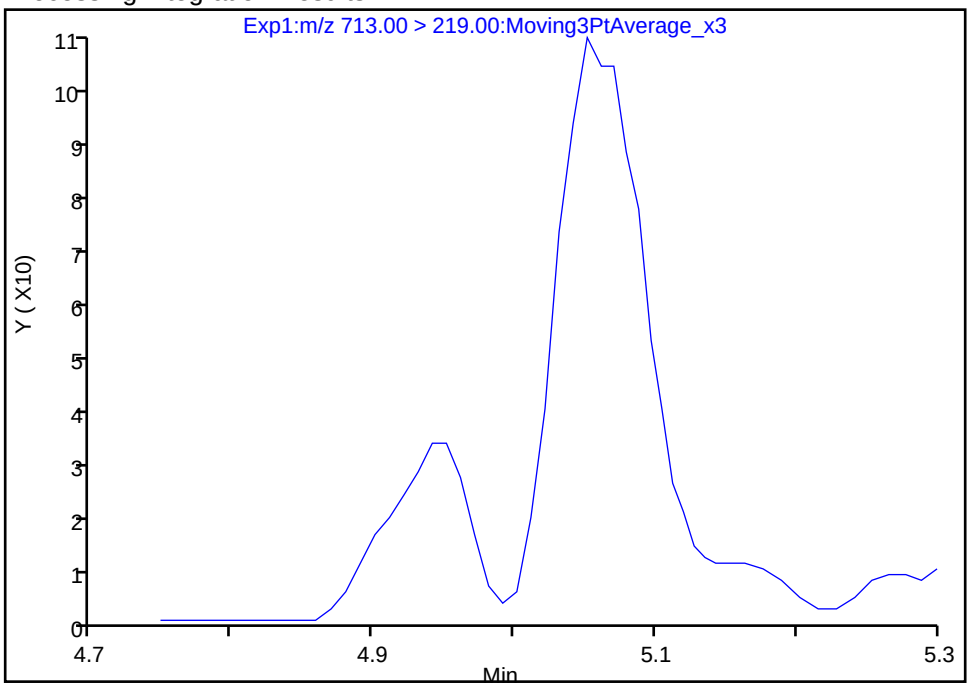
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B16.d				
Injection Date:	04-Aug-2022 16:03:57	Instrument ID:	LC812		
Lims ID:	460-262897-A-7-A	Lab Sample ID:	200-262897-7		
Client ID:	BCS-09-38 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

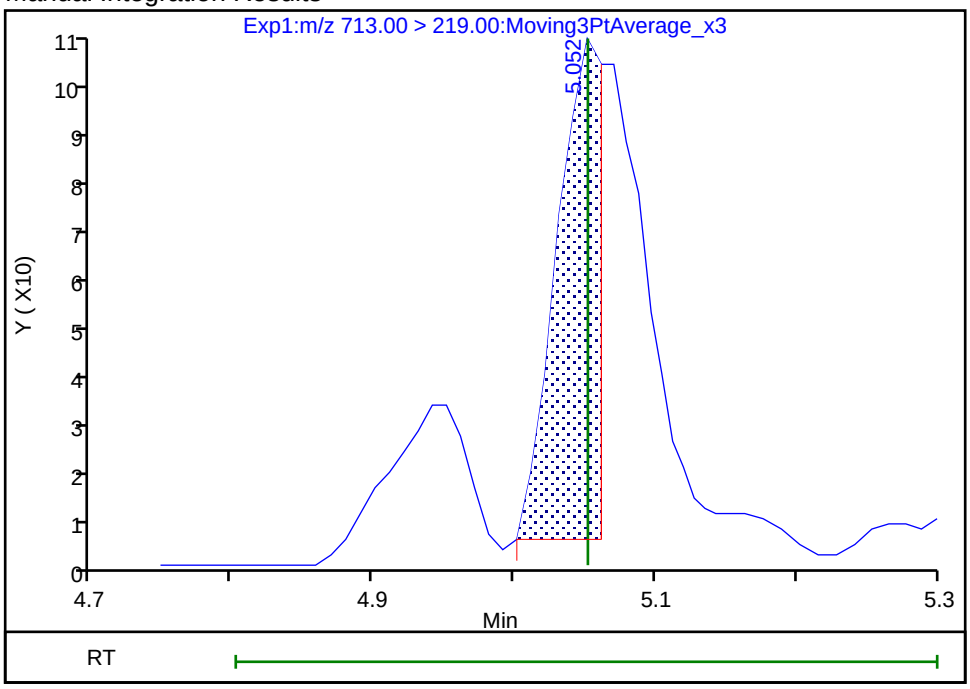
Not Detected
Expected RT: 5.05

Processing Integration Results



Manual Integration Results

RT: 5.05
Area: 198
Amount: 0.002005
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:10:09
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

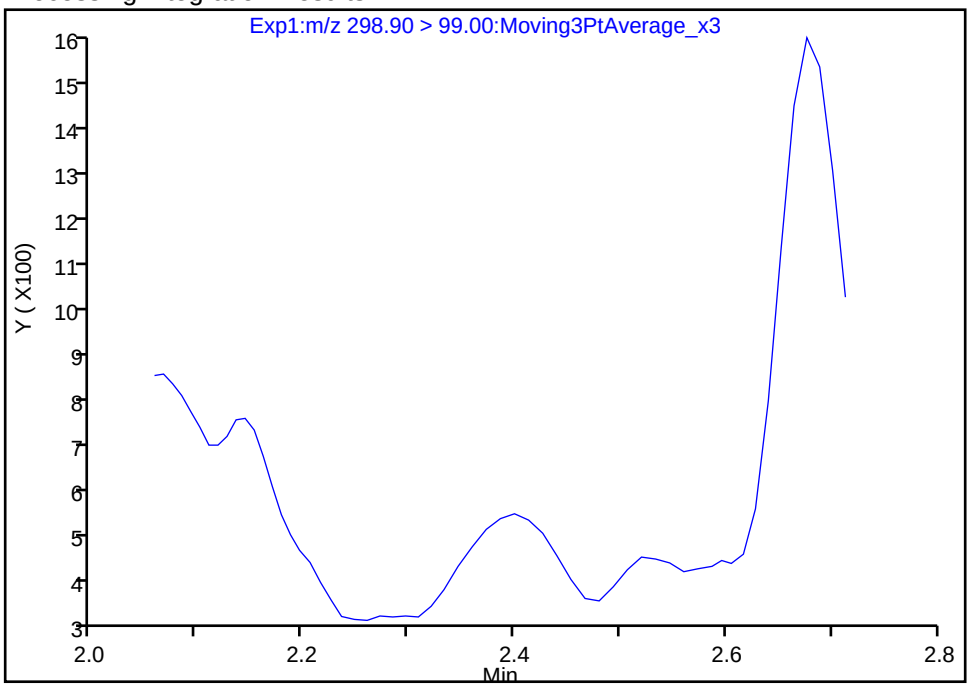
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B16.d				
Injection Date:	04-Aug-2022 16:03:57	Instrument ID:	LC812		
Lims ID:	460-262897-A-7-A	Lab Sample ID:	200-262897-7		
Client ID:	BCS-09-38 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

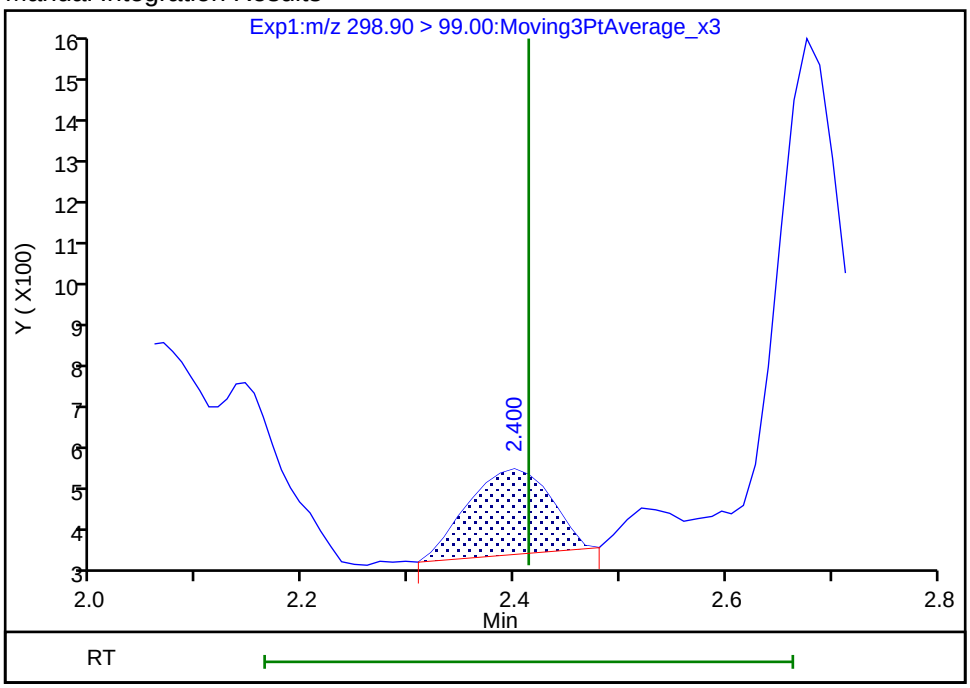
Not Detected
Expected RT: 2.41

Processing Integration Results



Manual Integration Results

RT: 2.40
Area: 1067
Amount: 0.001716
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:06:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

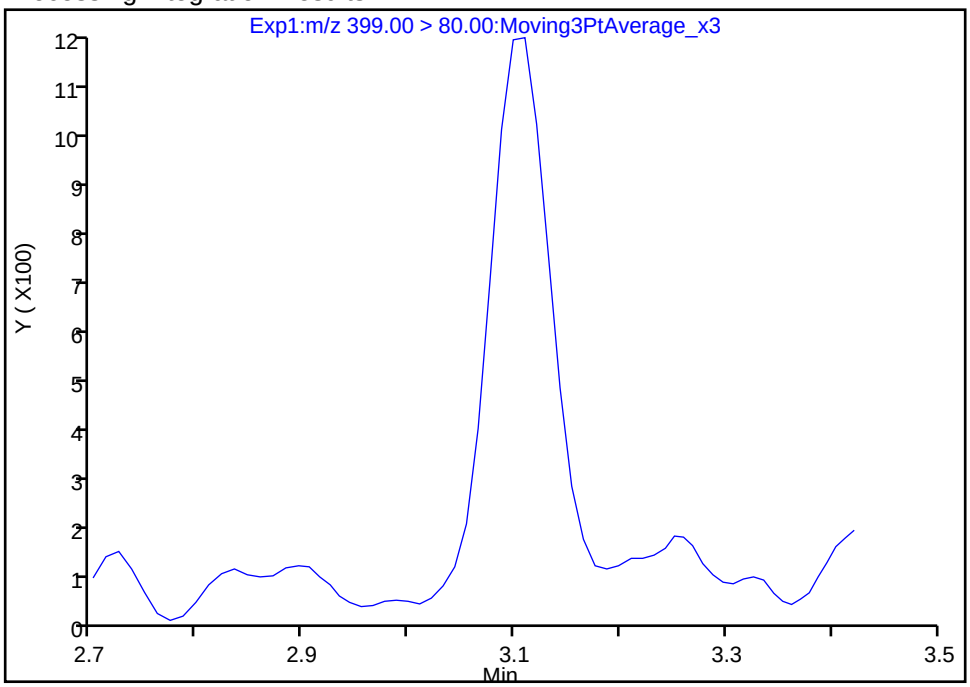
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B16.d				
Injection Date:	04-Aug-2022 16:03:57	Instrument ID:	LC812		
Lims ID:	460-262897-A-7-A	Lab Sample ID:	200-262897-7		
Client ID:	BCS-09-38 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

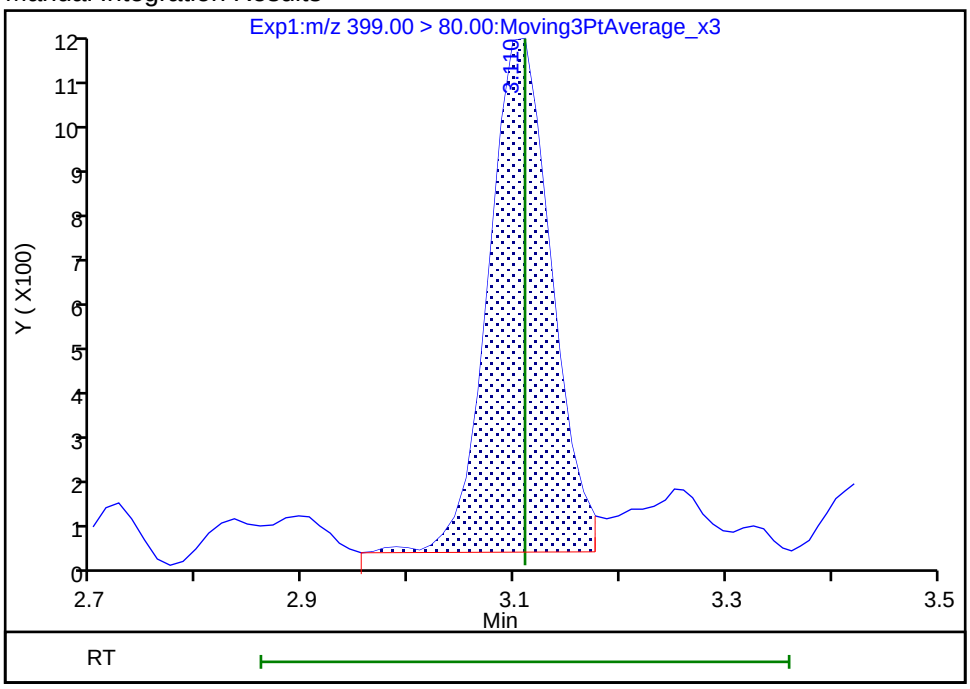
Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results

RT: 3.11
Area: 4432
Amount: 0.004519
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:07:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

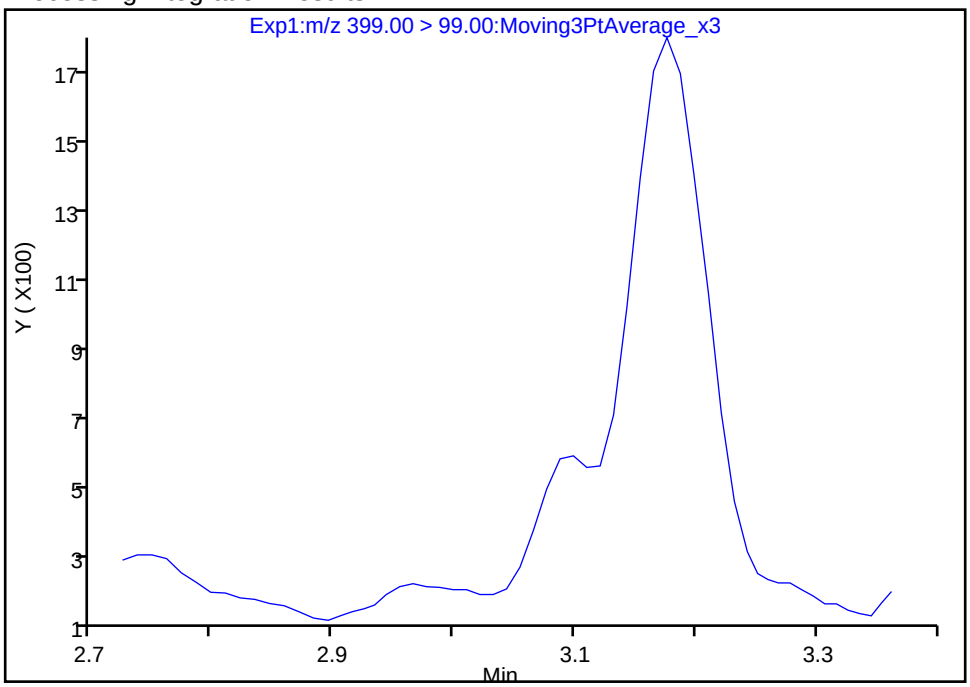
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B16.d				
Injection Date:	04-Aug-2022 16:03:57	Instrument ID:	LC812		
Lims ID:	460-262897-A-7-A	Lab Sample ID:	200-262897-7		
Client ID:	BCS-09-38 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

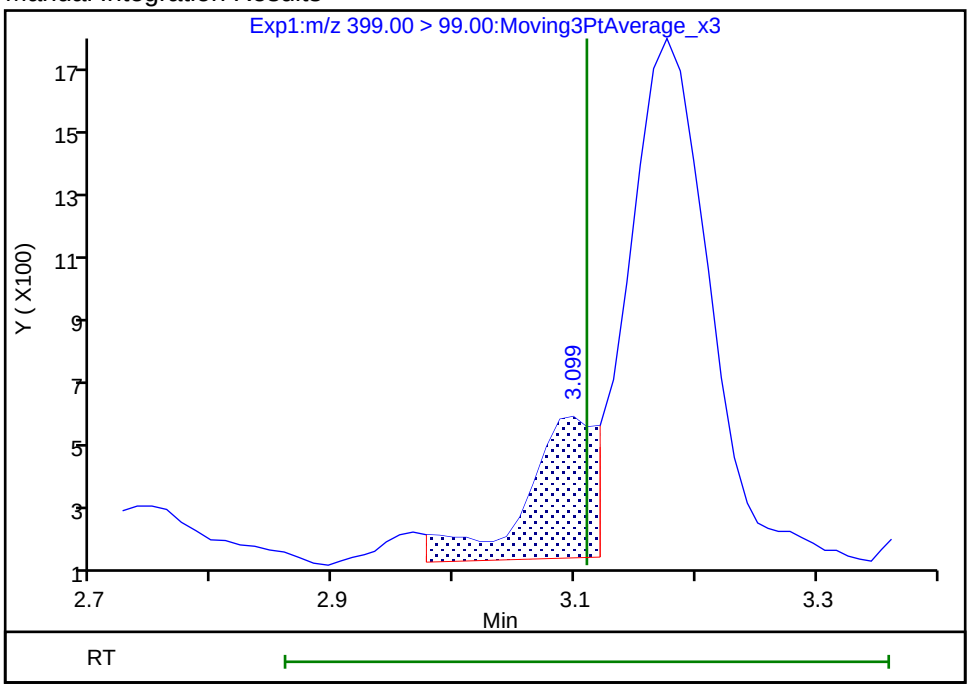
Processing Integration Results

Not Detected
Expected RT: 3.11



Manual Integration Results

RT: 3.10
Area: 1677
Amount: 0.004519
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:07:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

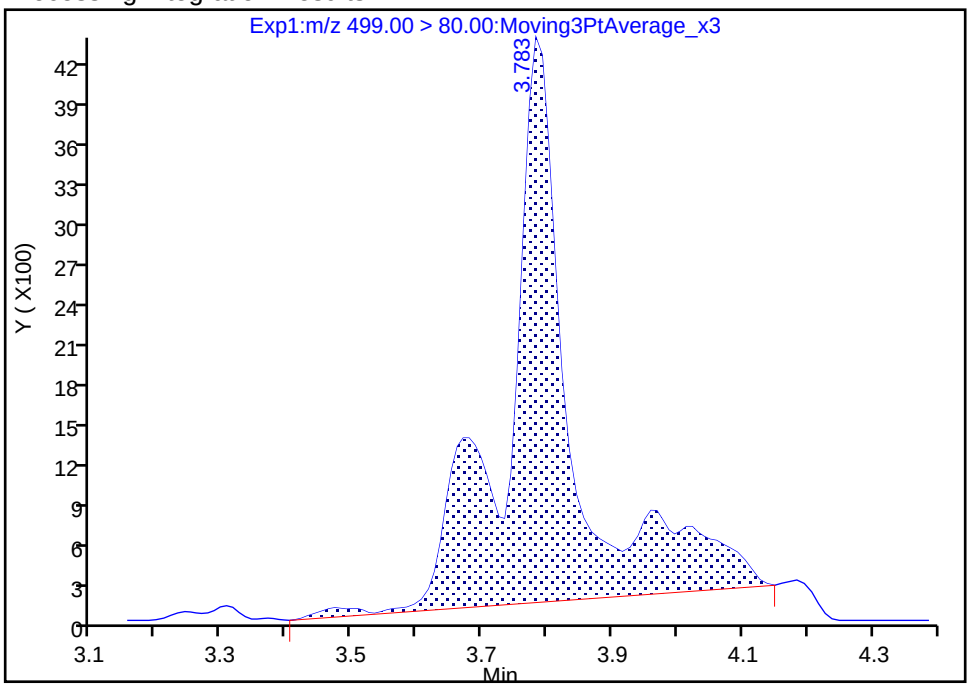
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B16.d				
Injection Date:	04-Aug-2022 16:03:57	Instrument ID:	LC812		
Lims ID:	460-262897-A-7-A	Lab Sample ID:	200-262897-7		
Client ID:	BCS-09-38 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

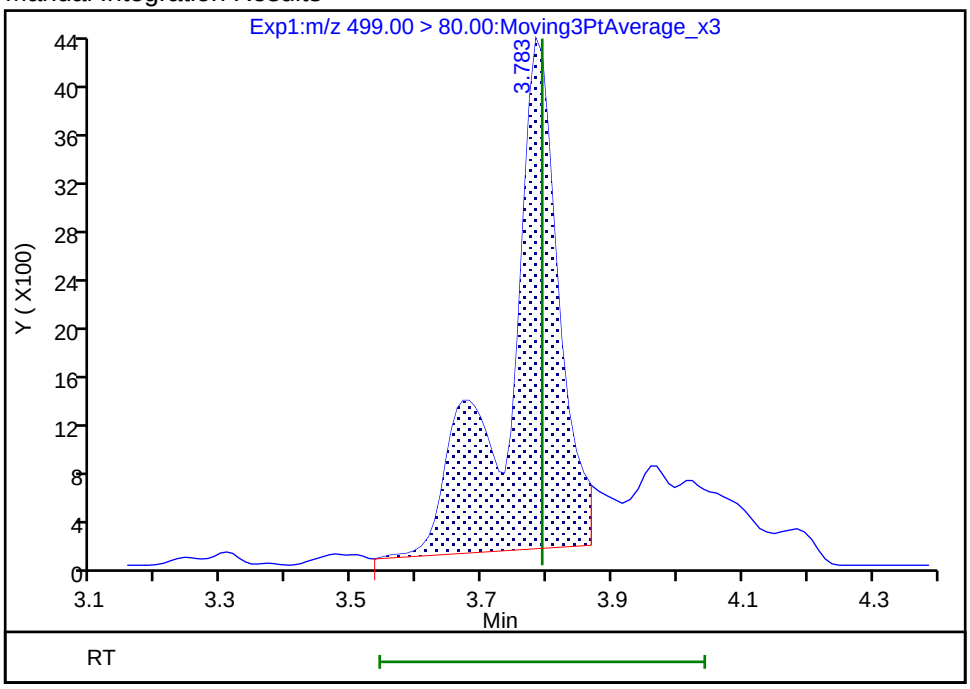
Processing Integration Results

RT: 3.78
Area: 29885
Amount: 0.027680
Amount Units: ng/ml



Manual Integration Results

RT: 3.78
Area: 23290
Amount: 0.017495
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:08:06

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

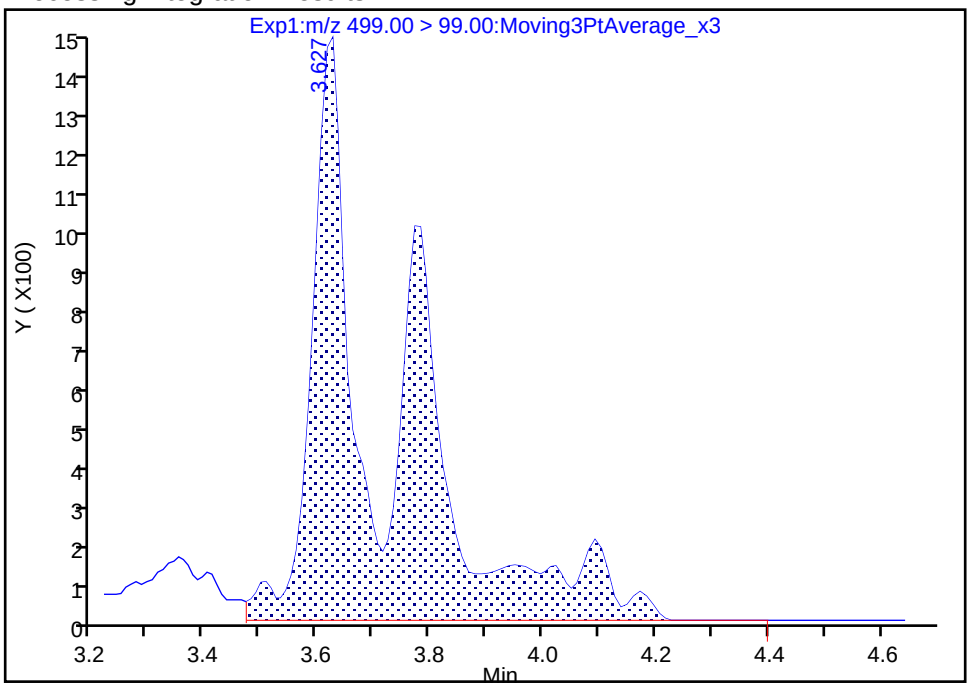
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B16.d				
Injection Date:	04-Aug-2022 16:03:57	Instrument ID:	LC812		
Lims ID:	460-262897-A-7-A	Lab Sample ID:	200-262897-7		
Client ID:	BCS-09-38 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

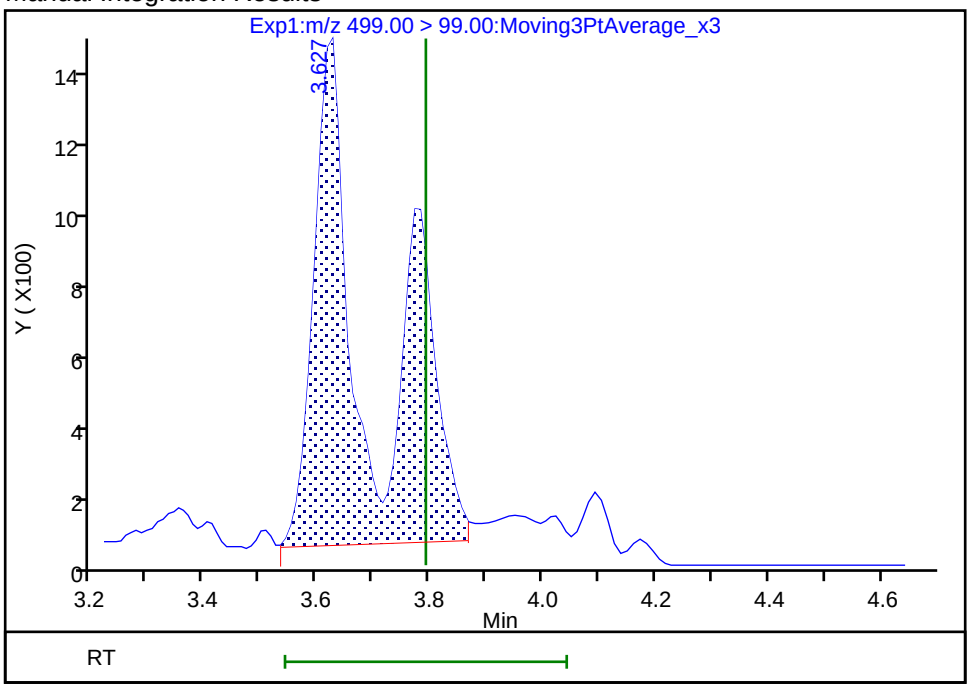
Processing Integration Results

RT: 3.63
Area: 13568
Amount: 0.027680
Amount Units: ng/ml



Manual Integration Results

RT: 3.63
Area: 9851
Amount: 0.017495
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:38:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

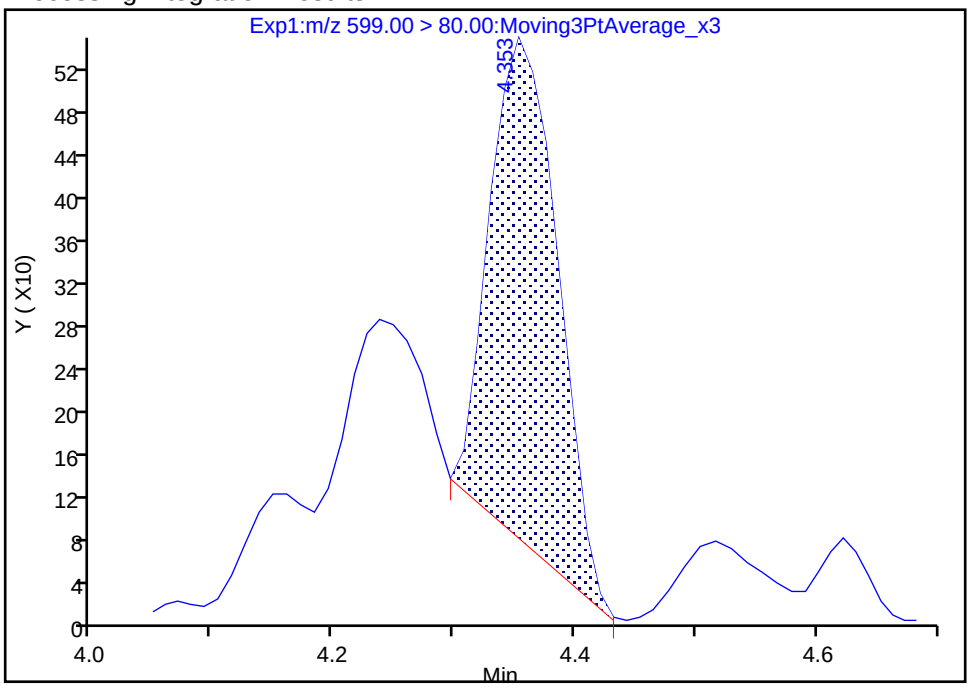
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Injection Date:	04-Aug-2022 16:03:57	Instrument ID:	LC812		
Lims ID:	460-262897-A-7-A	Lab Sample ID:	200-262897-7		
Client ID:	BCS-09-38 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

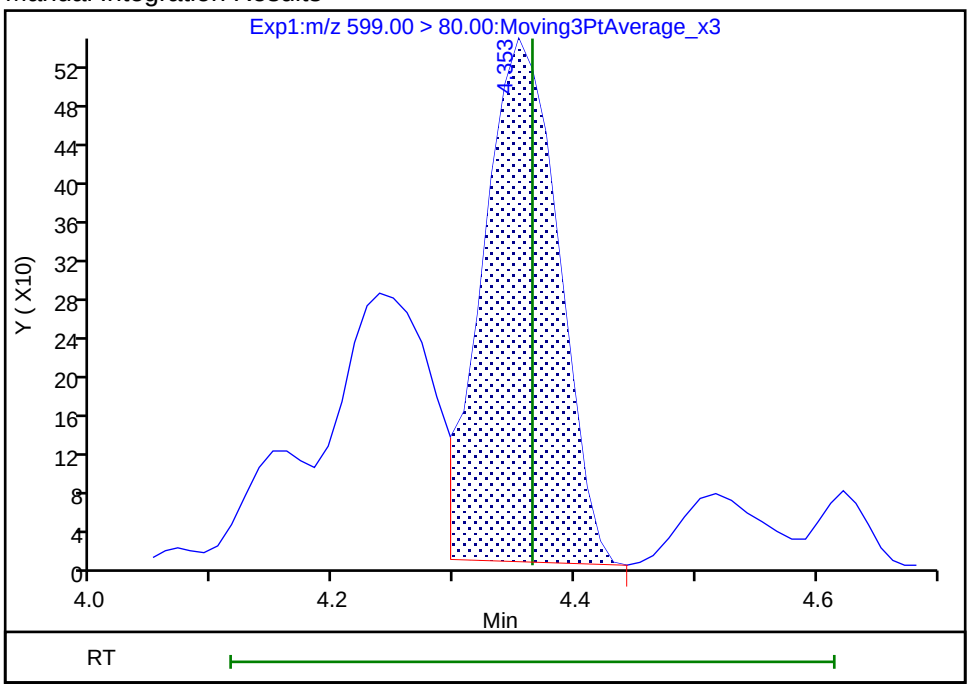
Processing Integration Results

RT: 4.35
Area: 1841
Amount: 0.004855
Amount Units: ng/ml



Manual Integration Results

RT: 4.35
Area: 2350
Amount: 0.006197
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:09:10

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

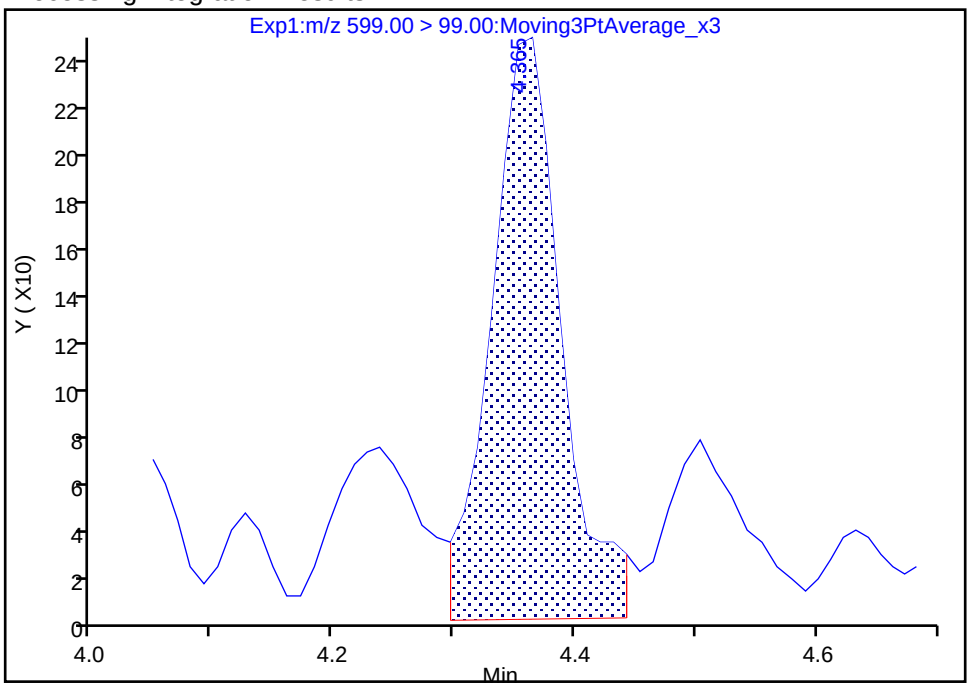
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Injection Date:	04-Aug-2022 16:03:57	Instrument ID:	LC812		
Lims ID:	460-262897-A-7-A	Lab Sample ID:	200-262897-7		
Client ID:	BCS-09-38 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

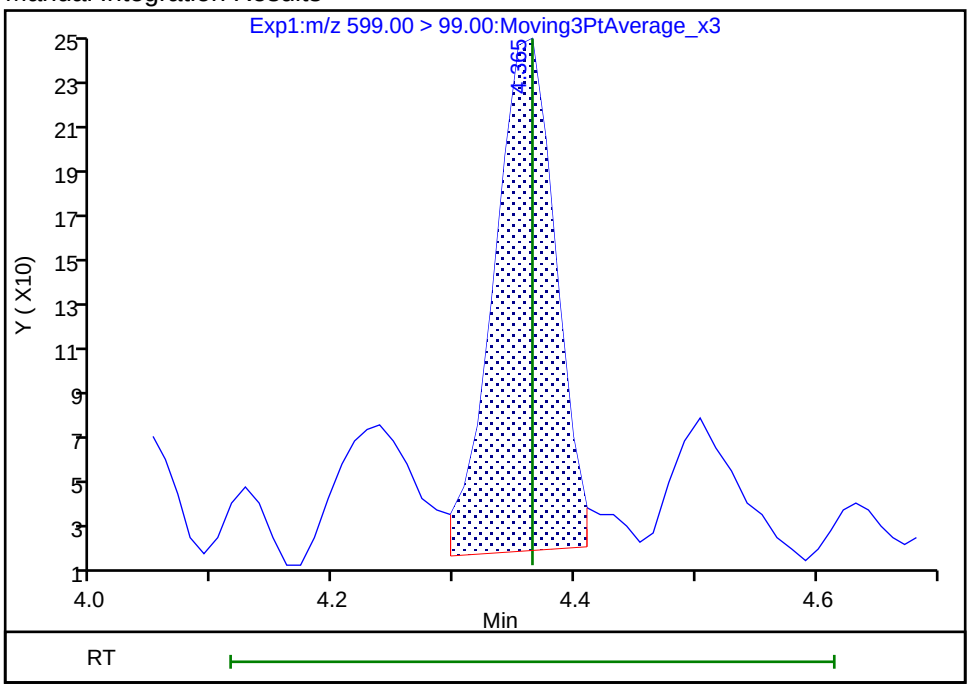
Processing Integration Results

RT: 4.36
Area: 953
Amount: 0.004855
Amount Units: ng/ml



Manual Integration Results

RT: 4.36
Area: 787
Amount: 0.006197
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:09:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

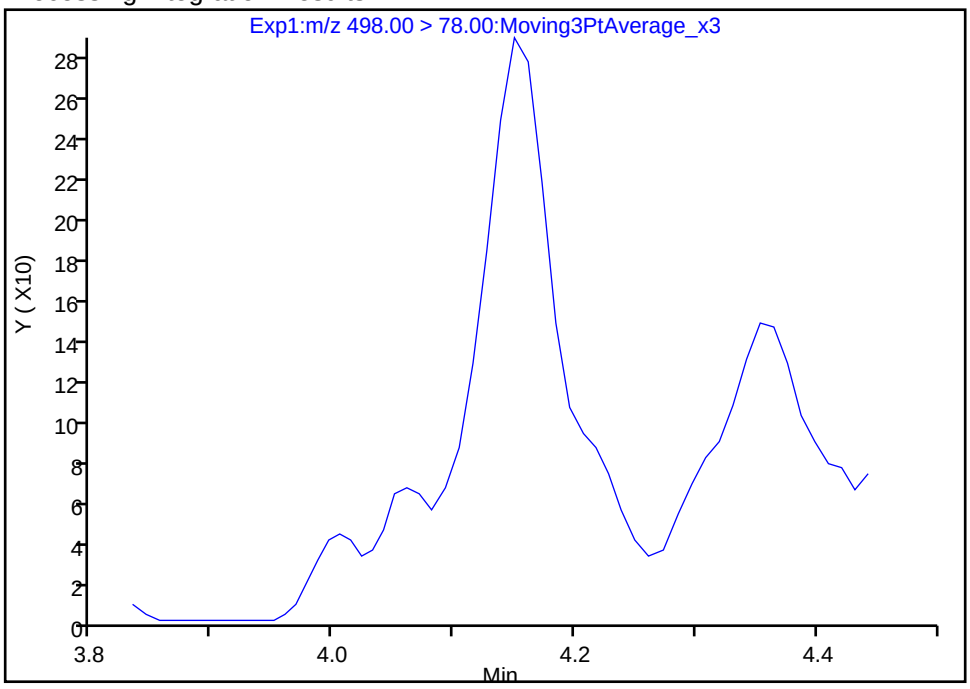
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B16.d				
Injection Date:	04-Aug-2022 16:03:57	Instrument ID:	LC812		
Lims ID:	460-262897-A-7-A	Lab Sample ID:	200-262897-7		
Client ID:	BCS-09-38 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

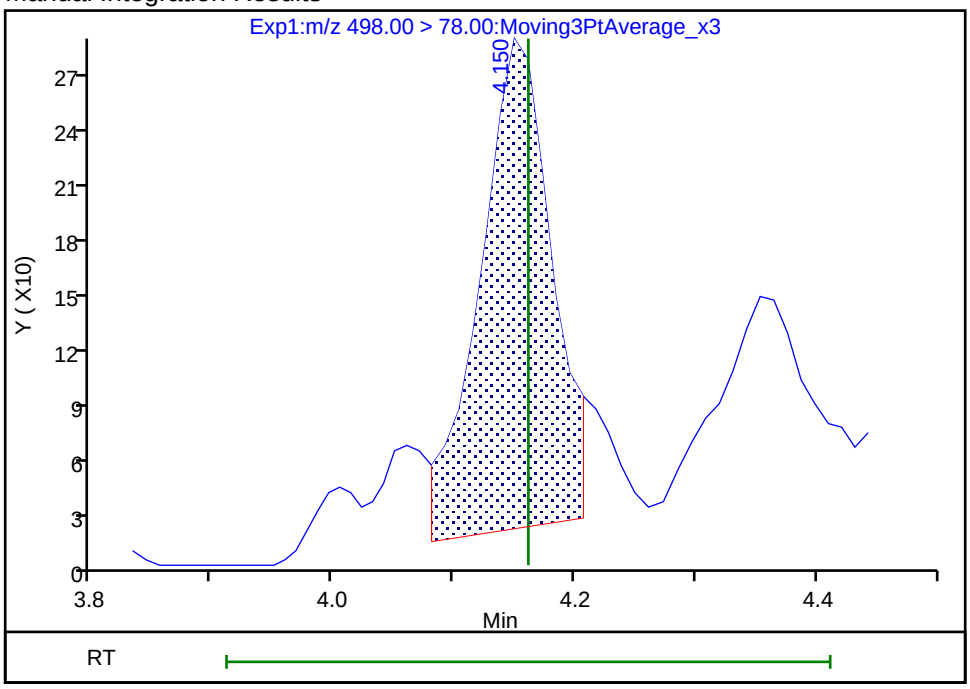
Not Detected
Expected RT: 4.16

Processing Integration Results



Manual Integration Results

RT: 4.15
Area: 1104
Amount: 0.001068
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:08:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

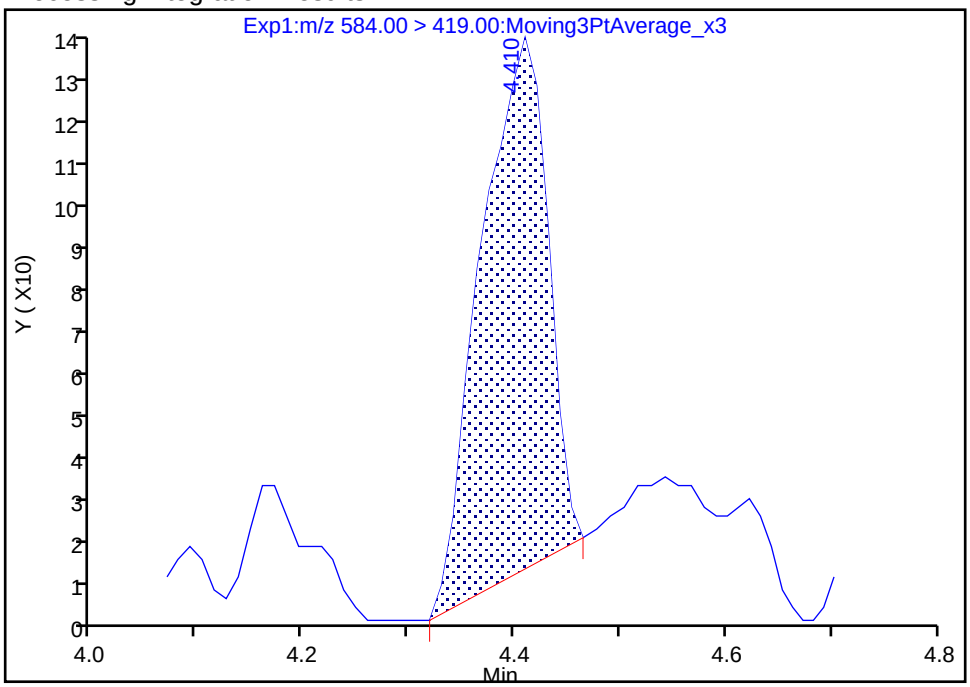
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B16.d				
Injection Date:	04-Aug-2022 16:03:57	Instrument ID:	LC812		
Lims ID:	460-262897-A-7-A	Lab Sample ID:	200-262897-7		
Client ID:	BCS-09-38 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

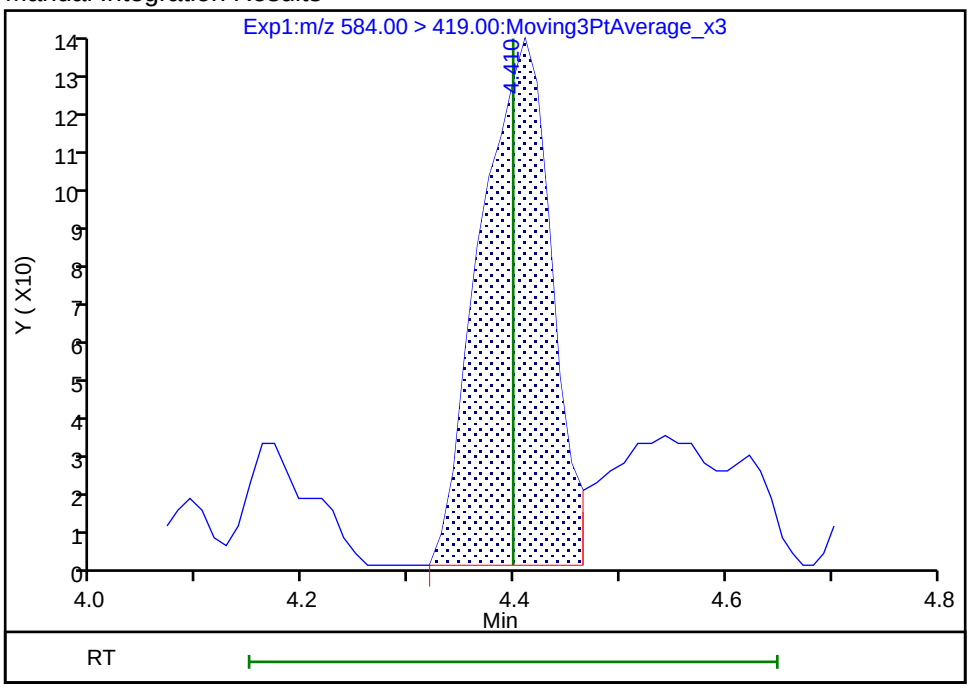
Processing Integration Results

RT: 4.41
Area: 540
Amount: 0.003907
Amount Units: ng/ml



Manual Integration Results

RT: 4.41
Area: 623
Amount: 0.004562
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:09:42
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

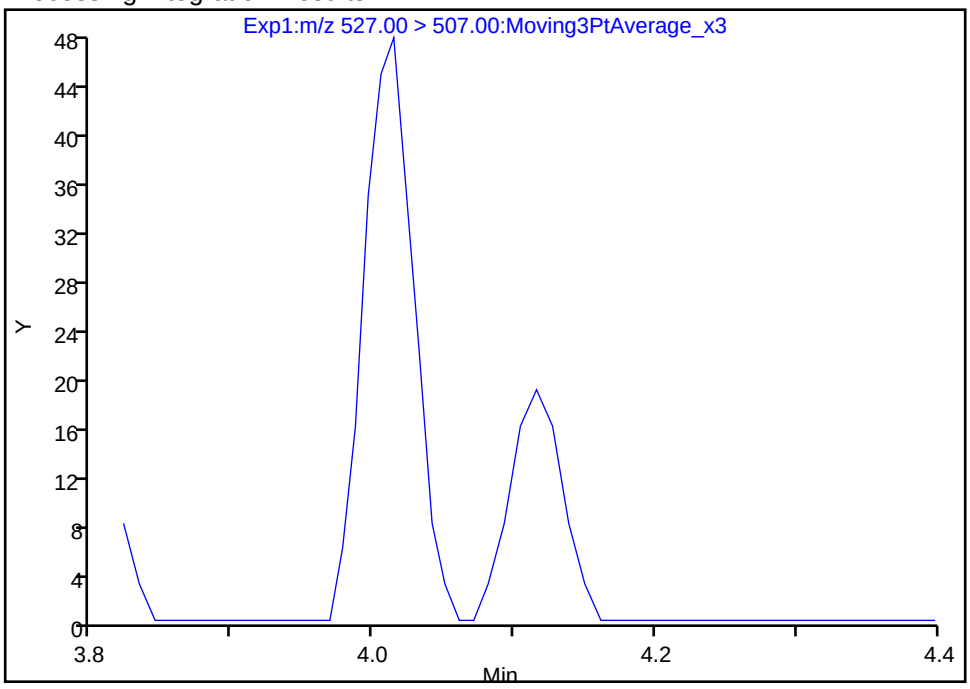
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B16.d				
Injection Date:	04-Aug-2022 16:03:57	Instrument ID:	LC812		
Lims ID:	460-262897-A-7-A	Lab Sample ID:	200-262897-7		
Client ID:	BCS-09-38 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

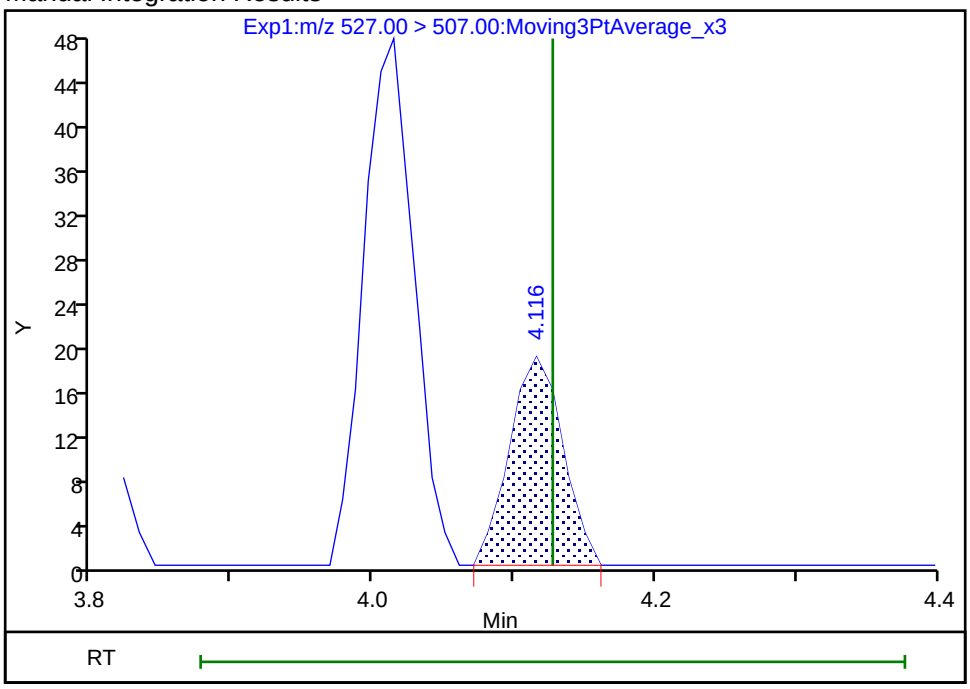
Not Detected
Expected RT: 4.13

Processing Integration Results



Manual Integration Results

RT: 4.12
Area: 49
Amount: 0.000261
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:08:37
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

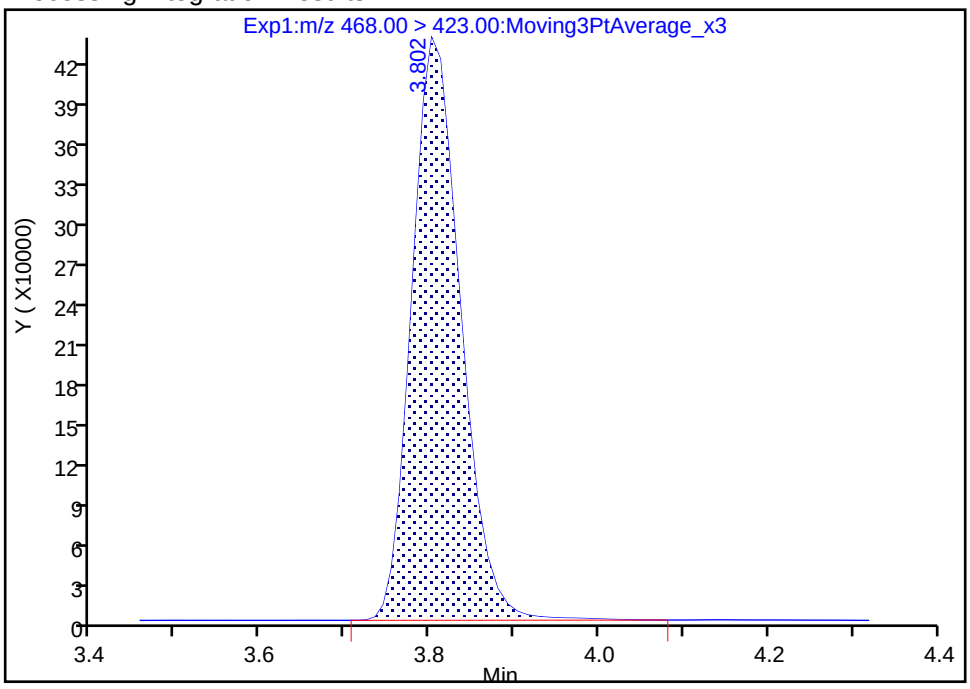
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B16.d				
Injection Date:	04-Aug-2022 16:03:57	Instrument ID:	LC812		
Lims ID:	460-262897-A-7-A	Lab Sample ID:	200-262897-7		
Client ID:	BCS-09-38 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

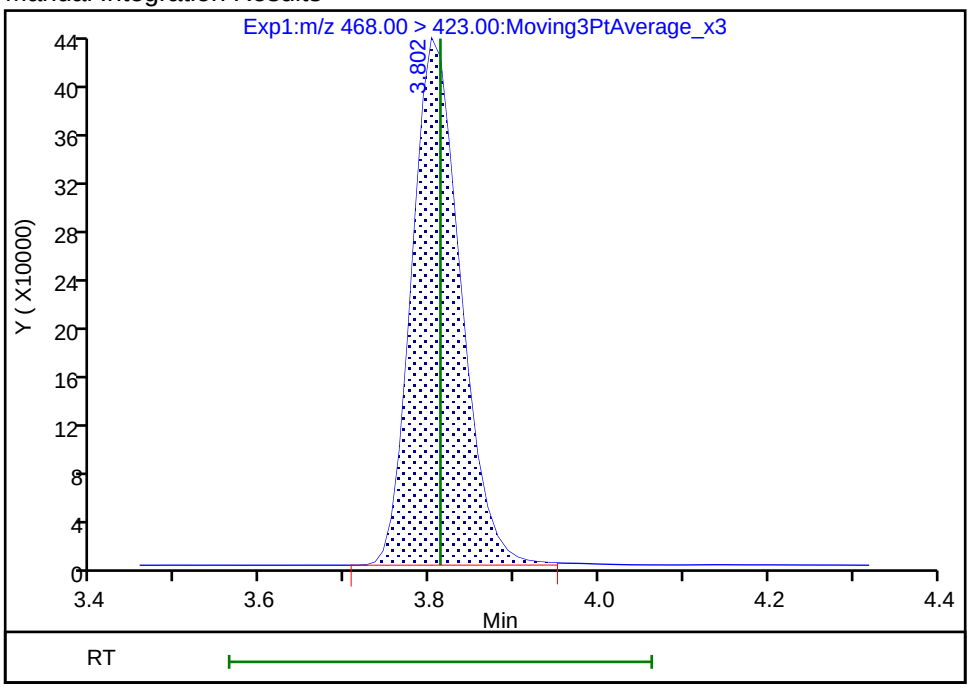
Processing Integration Results

RT: 3.80
Area: 1722219
Amount: 1.149994
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 1717201
Amount: 1.146644
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:05:43

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

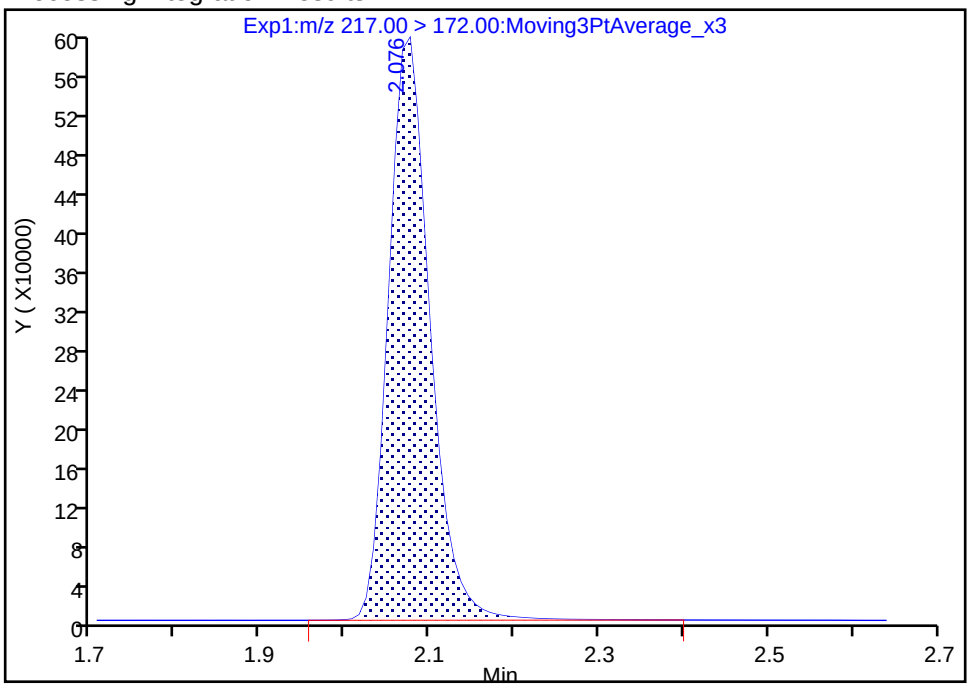
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B16.d				
Injection Date:	04-Aug-2022 16:03:57	Instrument ID:	LC812		
Lims ID:	460-262897-A-7-A	Lab Sample ID:	200-262897-7		
Client ID:	BCS-09-38 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

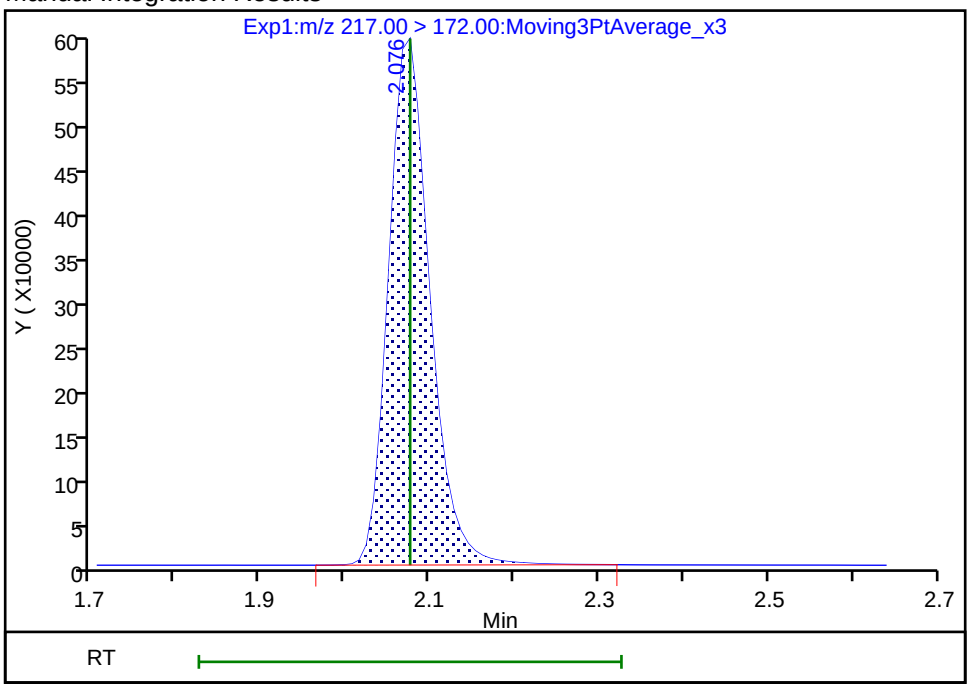
Processing Integration Results

RT: 2.08
Area: 2016798
Amount: 1.141124
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 2012892
Amount: 1.138914
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:37:50

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

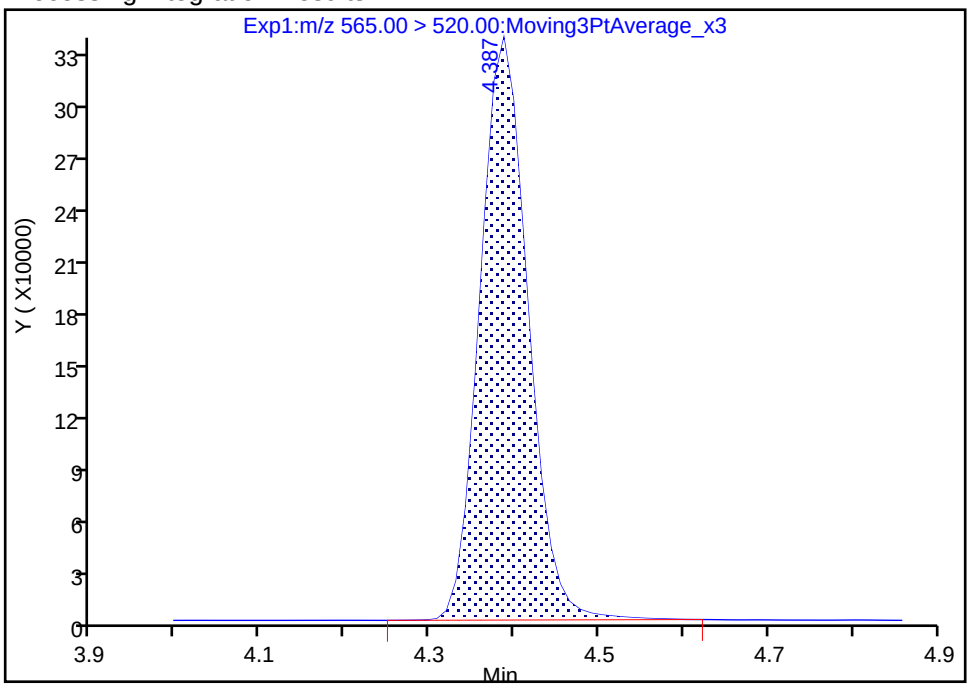
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B16.d				
Injection Date:	04-Aug-2022 16:03:57	Instrument ID:	LC812		
Lims ID:	460-262897-A-7-A	Lab Sample ID:	200-262897-7		
Client ID:	BCS-09-38 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

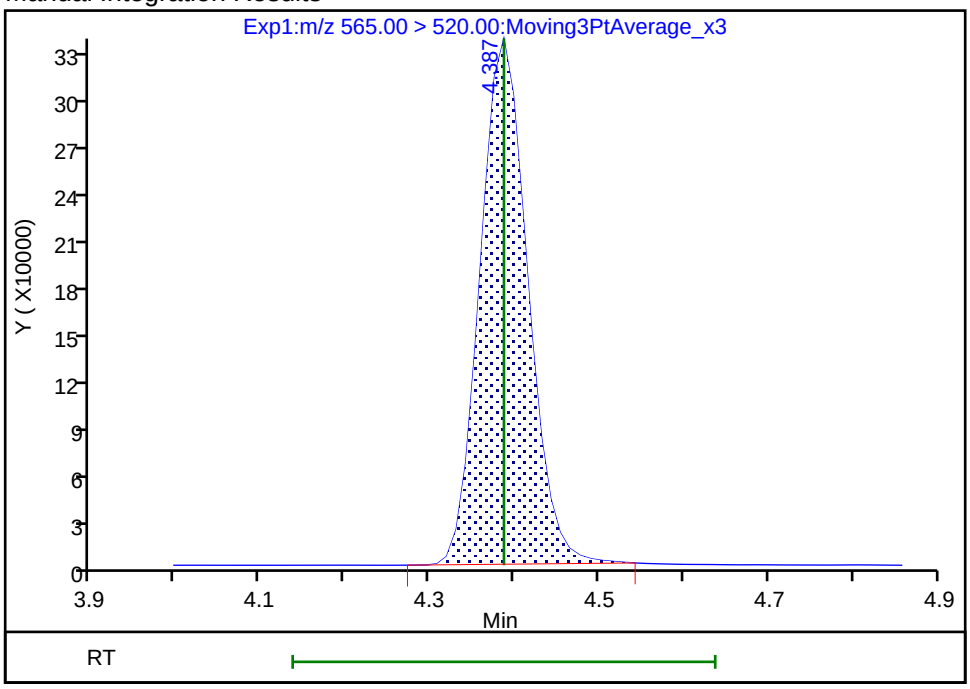
Processing Integration Results

RT: 4.39
Area: 1309278
Amount: 1.185598
Amount Units: ng/ml



Manual Integration Results

RT: 4.39
Area: 1298642
Amount: 1.175967
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:39:01

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

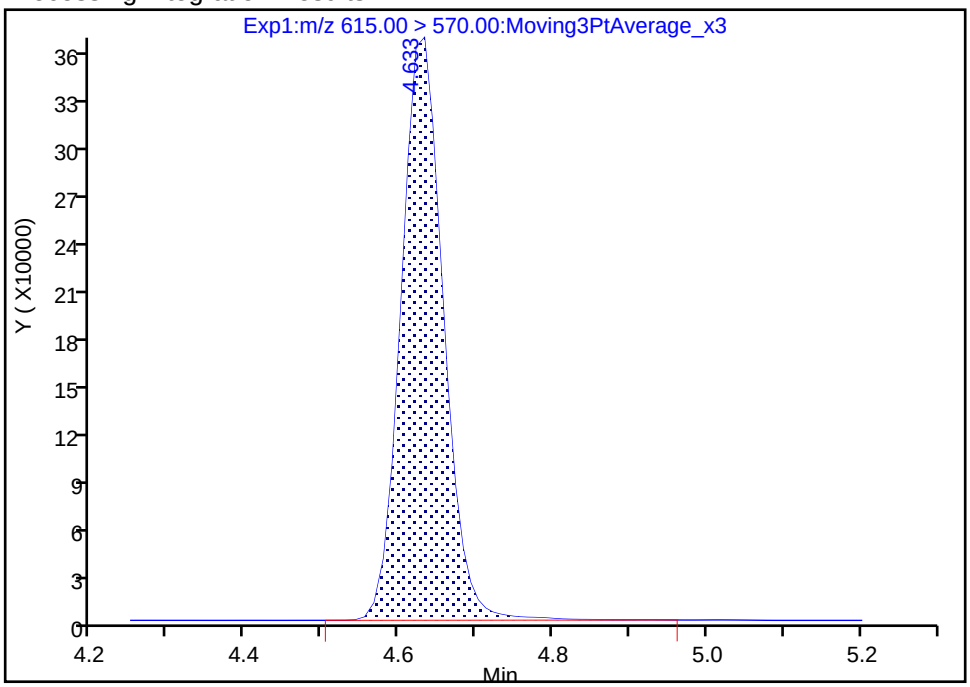
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B16.d				
Injection Date:	04-Aug-2022 16:03:57	Instrument ID:	LC812		
Lims ID:	460-262897-A-7-A	Lab Sample ID:	200-262897-7		
Client ID:	BCS-09-38 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 36 13C2 PFDoA, CAS: STL00998

Signal: 1

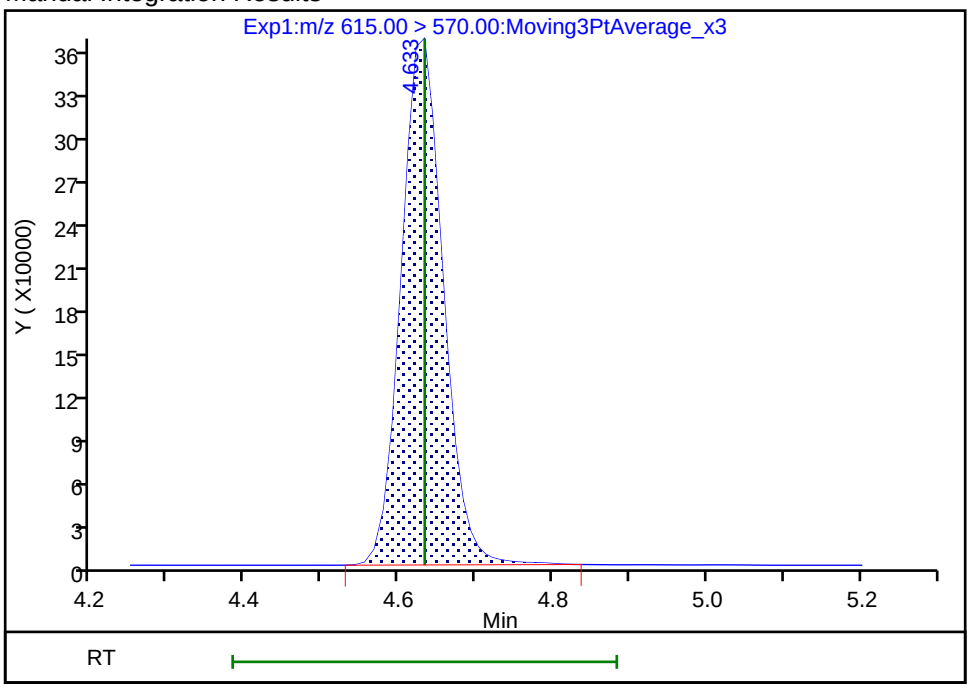
Processing Integration Results

RT: 4.63
Area: 1402244
Amount: 1.225373
Amount Units: ng/ml



Manual Integration Results

RT: 4.63
Area: 1397948
Amount: 1.221619
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:06:16

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

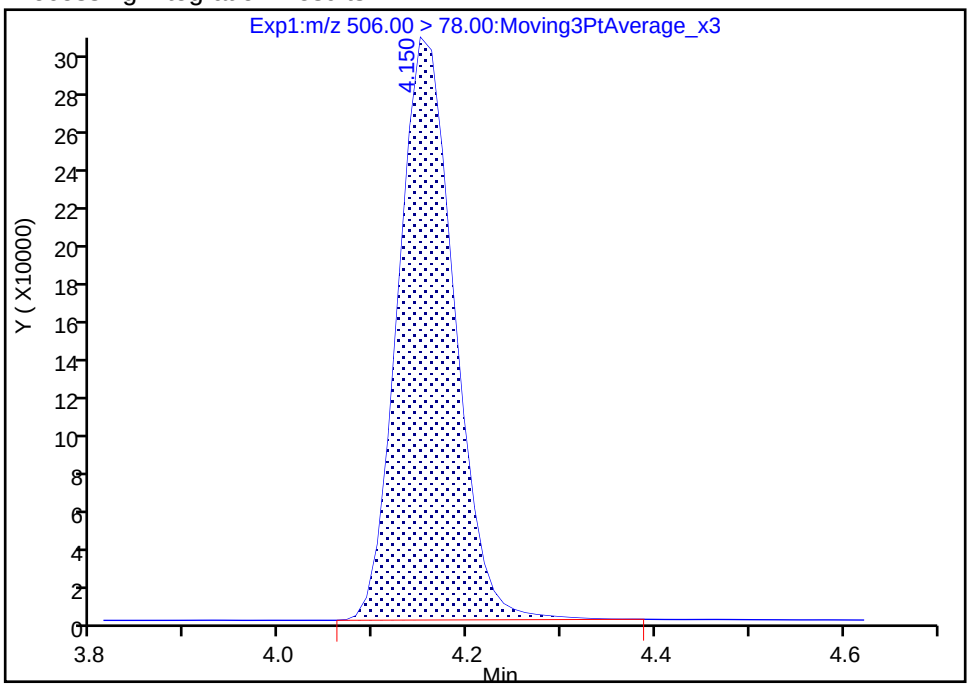
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B16.d				
Injection Date:	04-Aug-2022 16:03:57	Instrument ID:	LC812		
Lims ID:	460-262897-A-7-A	Lab Sample ID:	200-262897-7		
Client ID:	BCS-09-38 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

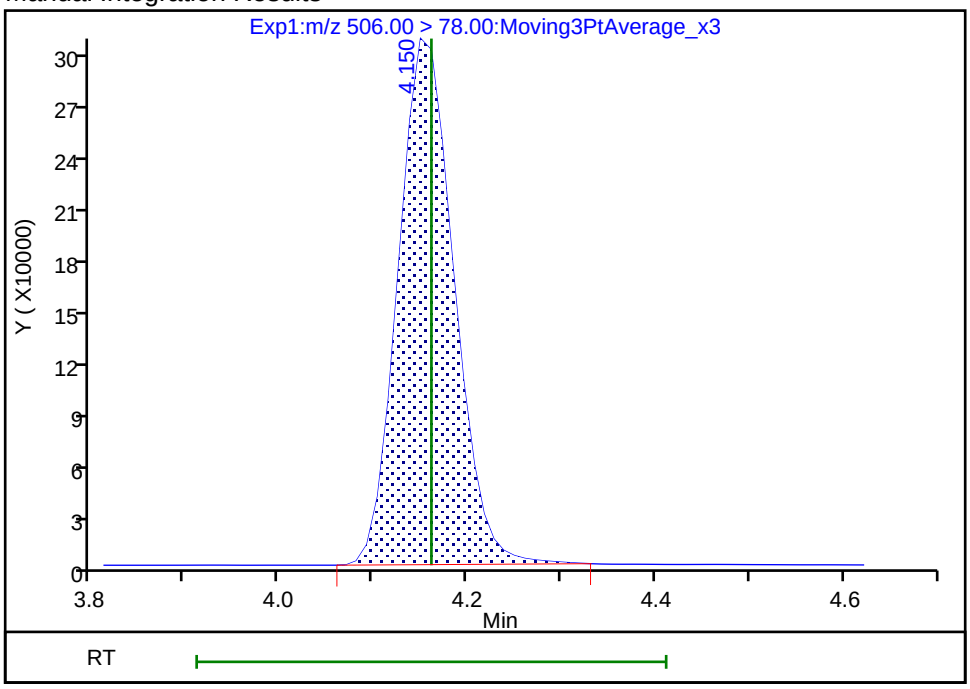
Processing Integration Results

RT: 4.15
Area: 1272533
Amount: 0.997561
Amount Units: ng/ml



Manual Integration Results

RT: 4.15
Area: 1268543
Amount: 0.994433
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:38:51

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

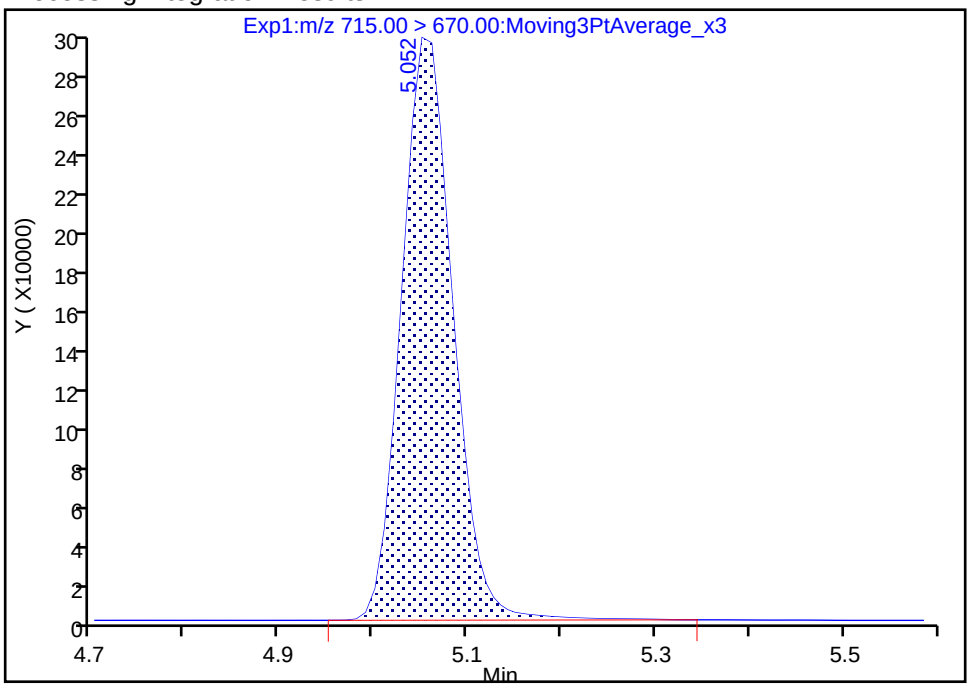
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B16.d				
Injection Date:	04-Aug-2022 16:03:57	Instrument ID:	LC812		
Lims ID:	460-262897-A-7-A	Lab Sample ID:	200-262897-7		
Client ID:	BCS-09-38 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

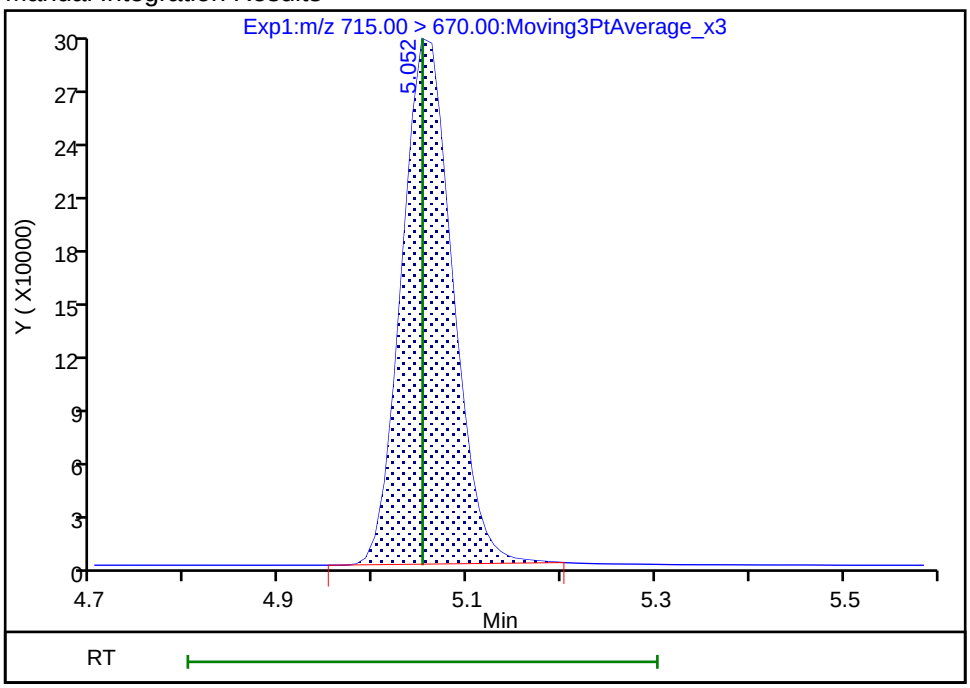
Processing Integration Results

RT: 5.05
Area: 1110903
Amount: 1.187540
Amount Units: ng/ml



Manual Integration Results

RT: 5.05
Area: 1097315
Amount: 1.173015
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:39:19

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

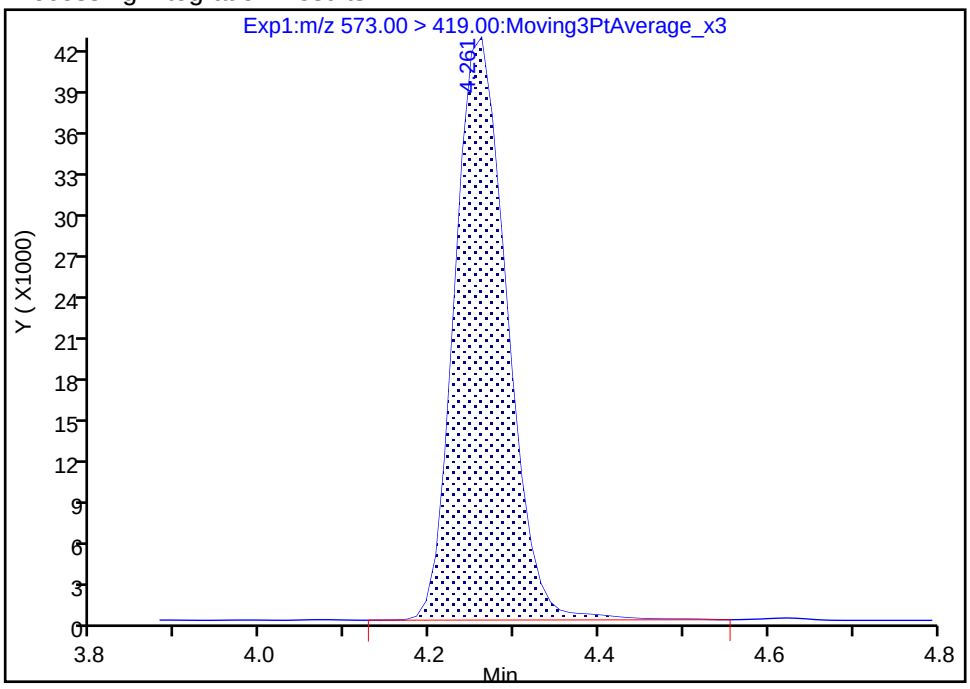
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B16.d				
Injection Date:	04-Aug-2022 16:03:57	Instrument ID:	LC812		
Lims ID:	460-262897-A-7-A	Lab Sample ID:	200-262897-7		
Client ID:	BCS-09-38 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

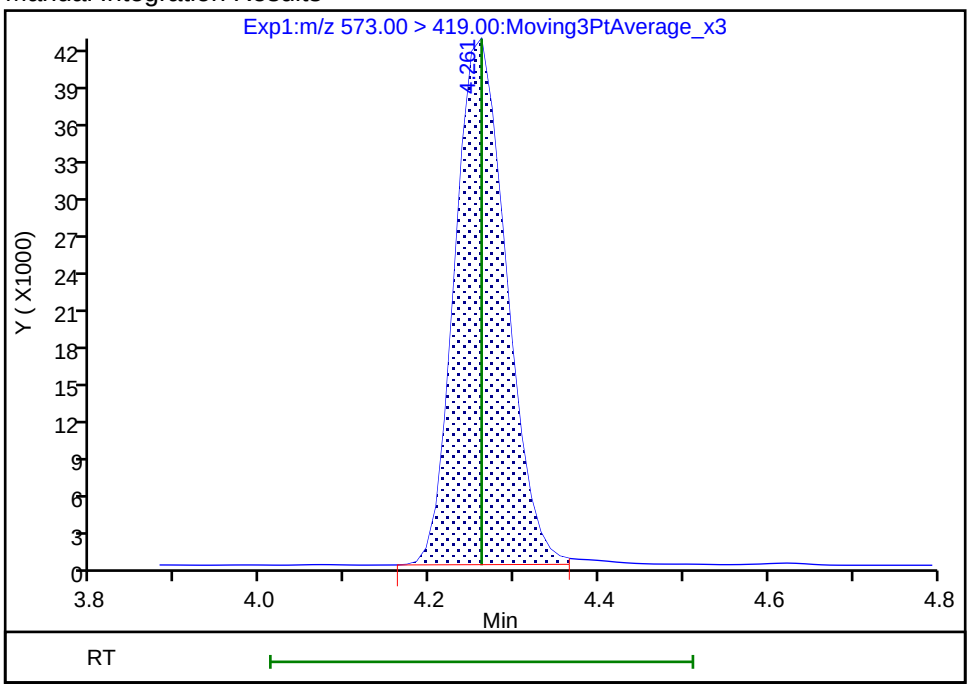
Processing Integration Results

RT: 4.26
Area: 182973
Amount: 0.936634
Amount Units: ng/ml



Manual Integration Results

RT: 4.26
Area: 180859
Amount: 0.925812
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:06:03

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

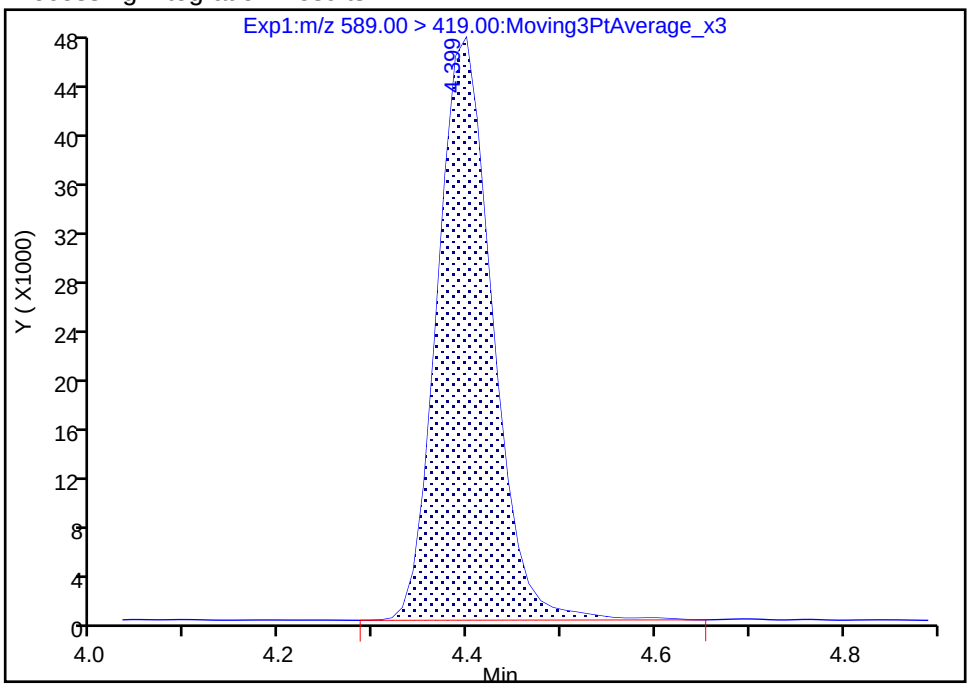
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B16.d				
Injection Date:	04-Aug-2022 16:03:57	Instrument ID:	LC812		
Lims ID:	460-262897-A-7-A	Lab Sample ID:	200-262897-7		
Client ID:	BCS-09-38 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 32 d5-NEtFOSAA, CAS: STL02117

Signal: 1

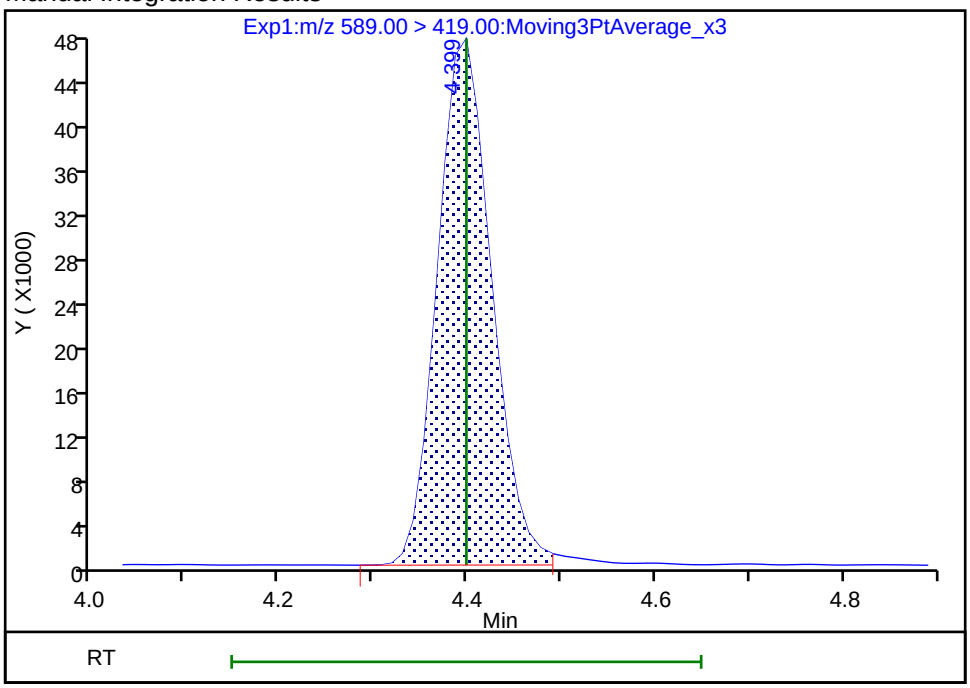
Processing Integration Results

RT: 4.40
Area: 190764
Amount: 1.031681
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 188032
Amount: 1.016906
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:39:09

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

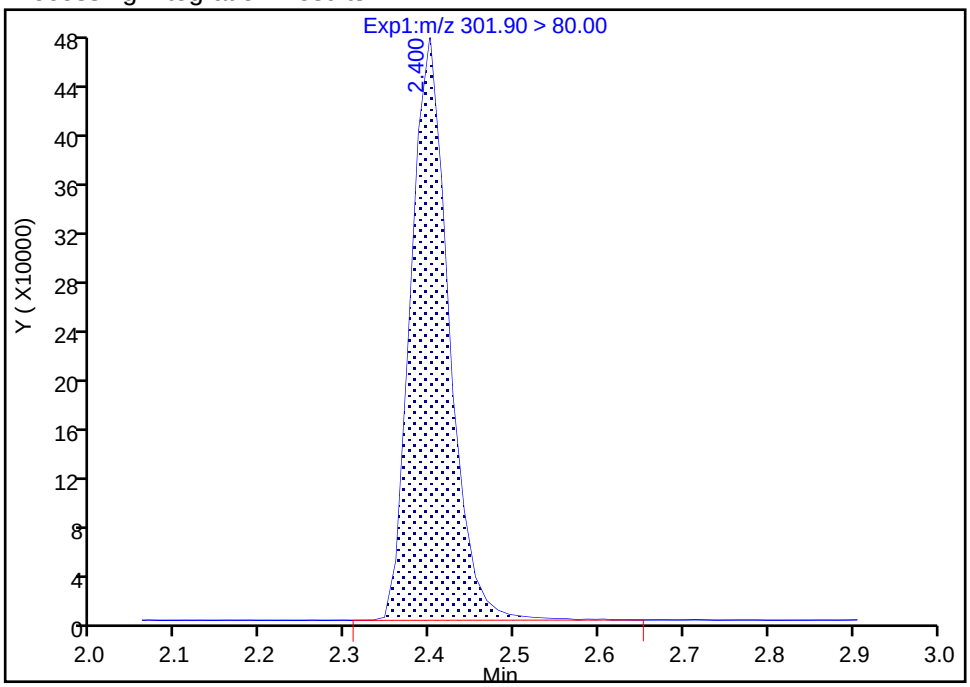
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B16.d		
Injection Date:	04-Aug-2022 16:03:57	Instrument ID:	LC812
Lims ID:	460-262897-A-7-A	Lab Sample ID:	200-262897-7
Client ID:	BCS-09-38 (6-6.5)P		
Operator ID:	lc812tech	ALS Bottle#:	16 Worklist Smp#: 16
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

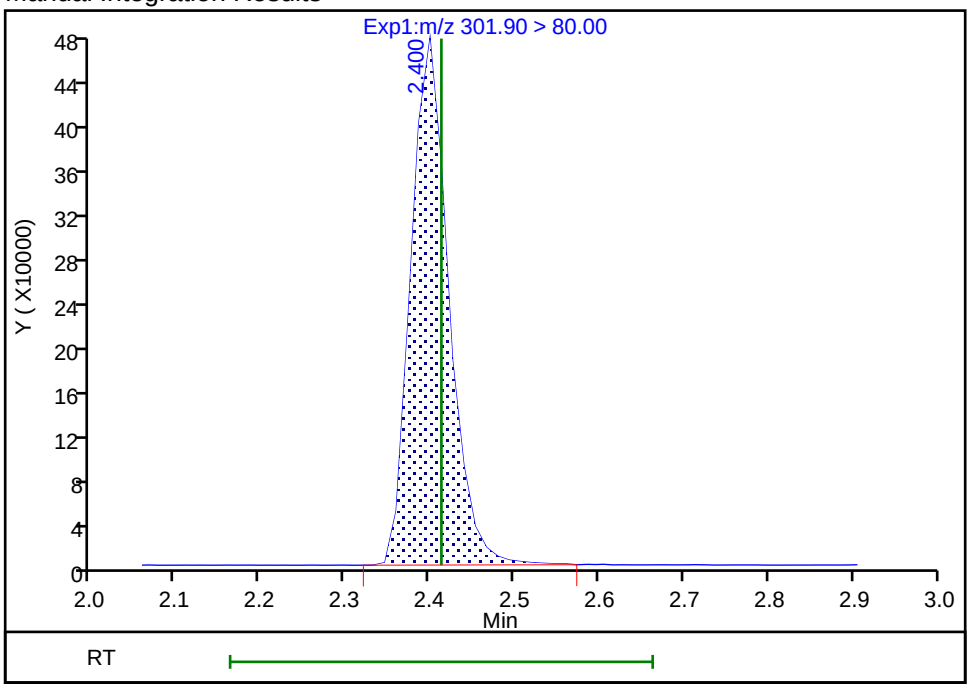
Processing Integration Results

RT: 2.40
Area: 1487984
Amount: 0.945980
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 1484910
Amount: 0.944026
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:05:34

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 460-262897-1

SDG No.:

Client Sample ID: BCS-09-39 (6-6.5)P | Lab Sample ID: 460-262897-8

Matrix: Solid | Lab File ID: PA220804B17.d

Analysis Method: 537 (modified) | Date Collected: 07/29/2022 10:00

Extraction Method: SHAKE | Date Extracted: 08/03/2022 11:39

Sample wt/vol: 5.22(g) | Date Analyzed: 08/04/2022 16:12

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

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

% Moisture: 8.6 % Solids: 91.4 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 182375 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.52	U	0.52	0.35
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.071	J	0.21	0.058
307-24-4	Perfluorohexanoic acid (PFHxA)	0.087	J	0.21	0.048
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.21	U	0.21	0.041
335-67-1	Perfluorooctanoic acid (PFOA)	0.21	U	0.21	0.061
375-95-1	Perfluorononanoic acid (PFNA)	0.21	U	0.21	0.036
335-76-2	Perfluorodecanoic acid (PFDA)	0.21	U	0.21	0.029
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.21	U	0.21	0.028
307-55-1	Perfluorododecanoic acid (PFDoA)	0.21	U	0.21	0.026
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.21	U	0.21	0.026
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.21	U	0.21	0.027
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.21	U	0.21	0.035
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.21	U	0.21	0.043
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.21	U	0.21	0.024
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.21	U	0.21	0.12
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.052	J	0.21	0.020
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.21	U	0.21	0.036
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.10	U	2.10	0.12
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.10	U	2.10	0.087
27619-97-2	6:2 FTS	2.10	U	2.10	0.060
39108-34-4	8:2 FTS	2.10	U	2.10	0.039

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Client Sample ID: BCS-09-39 (6-6.5)P Lab Sample ID: 460-262897-8

Matrix: Solid Lab File ID: PA220804B17.d

Analysis Method: 537 (modified) Date Collected: 07/29/2022 10:00

Extraction Method: SHAKE Date Extracted: 08/03/2022 11:39

Sample wt/vol: 5.22(g) Date Analyzed: 08/04/2022 16:12

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

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

% Moisture: 8.6 % Solids: 91.4 GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 182375 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	95		50-150
STL01892	13C4 PFHpA	102		50-150
STL00990	13C4 PFOA	99		50-150
STL00991	13C4 PFOS	95		50-150
STL00995	13C5 PFNA	101		50-150
STL00992	13C4 PFBA	100		50-150
STL00993	13C2 PFHxA	102		50-150
STL00996	13C2 PFDA	99		50-150
STL00997	13C2 PFUnA	103		50-150
STL00998	13C2 PFDoA	102		50-150
STL01056	13C8 FOSA	91		50-150
STL01893	13C5 PFPeA	97		50-150
STL02116	13C2 PFTeDA	106		50-150
STL02118	d3-NMeFOSAA	80		50-150
STL02117	d5-NEtFOSAA	88		50-150
STL02279	M2-6:2 FTS	95		50-150
STL02280	M2-8:2 FTS	101		50-150
STL02337	13C3 PFBS	91		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B17.d
Lims ID: 460-262897-A-8-A
Client ID: BCS-09-39 (6-6.5)P
Sample Type: Client
Inject. Date: 04-Aug-2022 16:12:09 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: 460-262897-A-8-A
Misc. Info.: 200-0051959-017 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 05-Aug-2022 12:54:43 Calib Date: 03-Aug-2022 13:41:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1640

First Level Reviewer: nampitakw Date: 05-Aug-2022 12:19:24
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										M
217.00 > 172.00	2.085	2.076	0.009	0.600	2234493	1.25		99.6	7374	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.068	2.085	-0.017	0.992	62823	0.0362			5.6	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.387	2.400	-0.013	0.687	1664978	1.21		96.5	2575	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.387	2.400	-0.013	1.000	46650	0.0340			1.4	M
D 47 13C3 PFBS										
301.90 > 80.00	2.400	2.413	-0.013	0.691	1688199	1.06		90.9	266404	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.413	2.413	0.0	1.006	2573	0.001605	Target=2.23		2.7	M
298.90 > 99.00	2.413	2.413	0.0	1.006	1948		1.32(1.11-3.34)		0.8	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.737	2.750	-0.013	1.000	60501	0.0414	Target=12.24		8.5	M
313.00 > 119.00	2.737	2.750	-0.013	1.000	5732		10.55(6.12-18.36)		7.6	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.737	2.750	-0.013	0.788	1752342	1.27		102	3183	
D 11 18O2 PFHxS										M
403.00 > 84.00	3.110	3.110	0.0	0.895	1266149	1.13		95.3	1621	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.121	3.110	0.011	1.004	5257	0.004451	Target=3.43		8.5	M
399.00 > 99.00	3.110	3.110	0.0	1.000	2616		2.01(1.72-5.15)		2.7	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.110	3.121	-0.011	0.895	1830115	1.28		102	4024	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.110	3.121	-0.011	1.000	13383	0.008869	Target=3.73		2.2	M
363.00 > 169.00	3.110	3.121	-0.011	1.000	4155		3.22(1.86-5.59)		8.0	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 12 M2-6:2 FTS										
429.00 > 81.00	3.465	3.465	0.0	0.997	211380	1.12		94.7	382	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.465	3.465	0.0	1.000	569	-0.0146			3.6	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.474	3.474	0.0	1.000	23358	0.0143	Target=2.67		2.5	M
413.00 > 169.00	3.474	3.474	0.0	1.000	7600		3.07(1.34-4.01)		11.9	M
D 14 13C4 PFOA										M
417.00 > 372.00	3.474	3.474	0.0	1.000	1815190	1.24		99.2	1500	M
* 62 13C2 PFOA										
415.00 > 370.00	3.474	3.474	0.0		1921741	1.25			3168	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.792	3.792	0.0	1.000	14121	-0.000614	Target=4.88		9.9	M
499.00 > 99.00	3.802	3.792	0.010	1.003	3628		3.89(2.44-7.32)		6.5	M
D 18 13C4 PFOS										M
503.00 > 80.00	3.792	3.792	0.0	1.092	949714	1.13		94.8	1819	M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.812	3.812	0.0	1.000	5287	0.003398	Target=8.23		1.3	M
463.00 > 169.00	3.812	3.812	0.0	1.000	555		9.53(4.11-12.34)		3.9	M
D 19 13C5 PFNA										M
468.00 > 423.00	3.812	3.812	0.0	1.097	1911688	1.26		101	1809	M
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.127	4.116	0.011	1.000	8145	0.005274	Target=9.67		4.4	
513.00 > 169.00	4.104	4.116	-0.012	0.994	756		10.77(4.83-14.50)		3.7	M
D 23 13C2 PFDA										M
515.00 > 470.00	4.127	4.116	0.011	1.188	1835418	1.24		99.2	2396	M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.138	4.127	0.011	1.003	248	0.001129			5.5	M
D 26 M2-8:2 FTS										M
529.00 > 81.00	4.127	4.127	0.0	1.188	272363	1.20		101	826	M
D 21 13C8 FOSA										
506.00 > 78.00	4.161	4.161	0.0	1.198	1468315	1.13		90.7	1894	
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.161	4.161	0.0	1.000	2487	0.002078			8.9	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.249	4.261	-0.012	0.994	81	0.000575			0.6	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.273	4.261	0.012	1.230	198134	1.00		79.9	1634	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.365	4.365	0.0	1.151	11580	0.0250	Target=2.80		10.4	
599.00 > 99.00	4.365	4.365	0.0	1.151	6701		1.73(1.40-4.20)		21.6	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.398	4.387	0.011	1.266	1443538	1.29		103	1182	M
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.398	4.387	0.011	1.000	2845	0.002325	Target=9.07		2.4	M
563.00 > 169.00	4.376	4.387	-0.011	0.995	227		12.53(4.54-13.61)		5.7	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.421	4.399	0.022	1.003	1177	0.007823			11.4	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.410	4.399	0.011	1.269	207134	1.10		88.3	1085	
D 36 13C2 PFDoA										M
615.00 > 570.00	4.643	4.633	0.010	1.337	1477408	1.27		102	1569	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.633	4.633	0.0	0.998	4162	0.003472	Target=6.97		0.8	M
613.00 > 169.00	4.633	4.633	0.0	0.998	453		9.19(3.48-10.45)		5.2	M
41 Perfluorotridecanoic acid										RM
663.00 > 619.00	4.870	4.859	0.011	1.049	1837	0.001768	Target=4.56		0.4	R
663.00 > 169.00	4.870	4.859	0.011	1.049	127		14.46(2.28-6.84)		2.4	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.071	5.052	0.019	1.460	1264154	1.33		106	2251	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.079	5.052	0.027	1.002	480	0.002963	Target=0.94		8.4	M
713.00 > 219.00	5.071	5.052	0.019	1.000	472		1.02(0.47-1.41)		8.6	M

QC Flag Legend

Processing Flags
R - Failed Signal Ratio Test
Review Flags
M - Manually Integrated

Report Date: 05-Aug-2022 12:54:59 Chrom Revision: 2.3 04-Aug-2022 18:02:28

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B17.d

Injection Date: 04-Aug-2022 16:12:09 Instrument ID: LC812

Lims ID: 460-262897-A-8-A Lab Sample ID: 200-262897-8

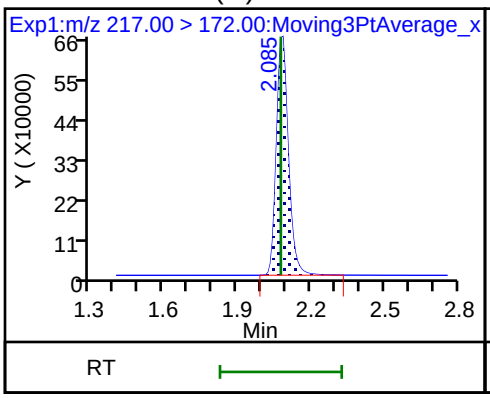
Client ID: BCS-09-39 (6-6.5)P

Operator ID: lc812tech ALS Bottle#: 17 Worklist Smp#: 17

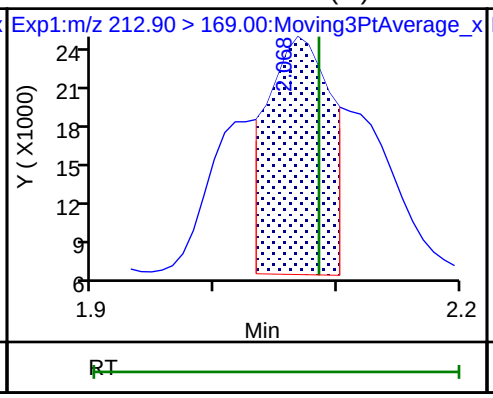
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

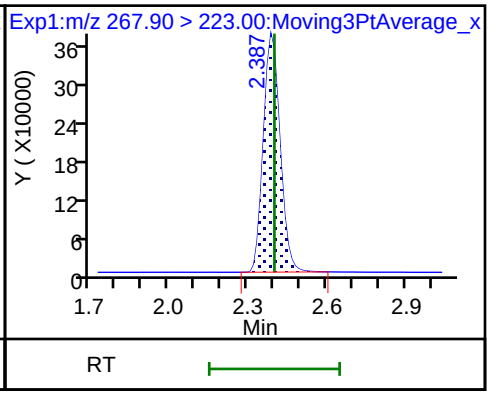
D 1 13C4 PFBA (M)



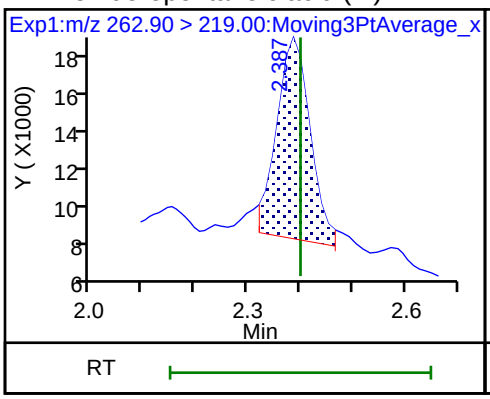
2 Perfluorobutanoic acid (M)



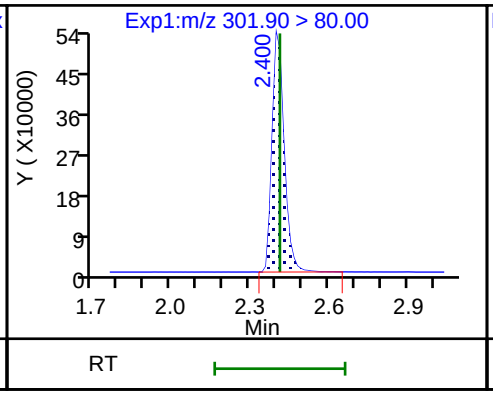
D 3 13C5 PFPeA



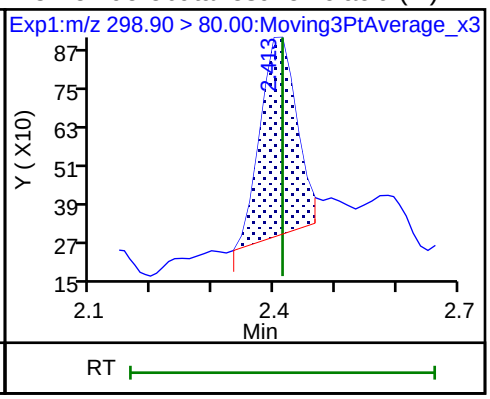
4 Perfluoropentanoic acid (M)



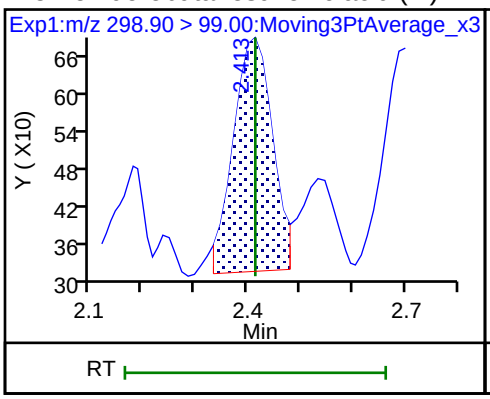
D 47 13C3 PFBS



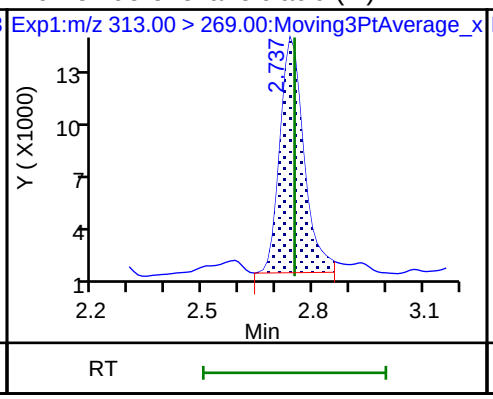
5 Perfluorobutanesulfonic acid (M)



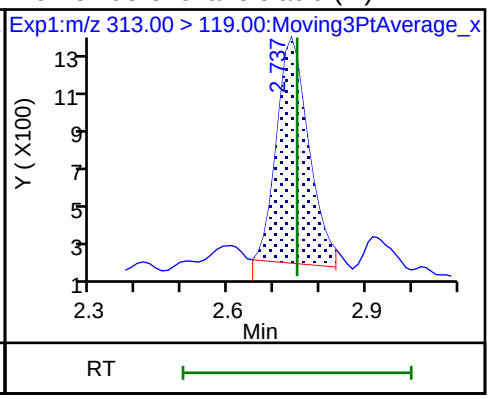
5 Perfluorobutanesulfonic acid (M)



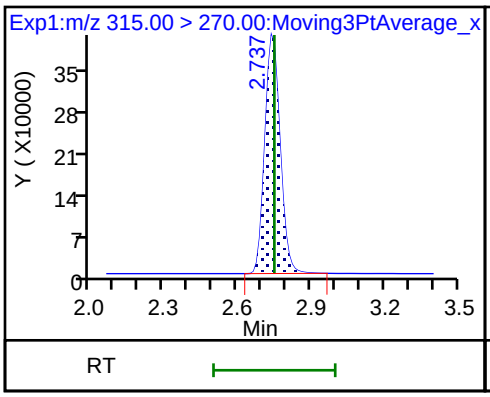
6 Perfluorohexanoic acid (M)



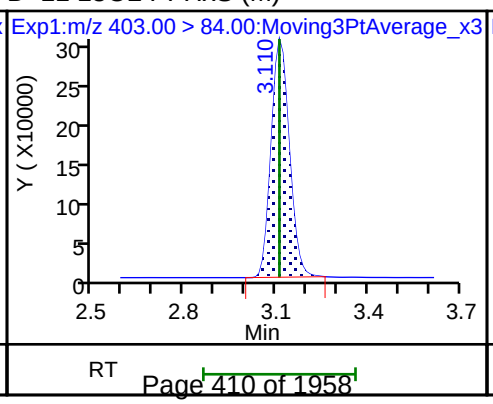
6 Perfluorohexanoic acid (M)



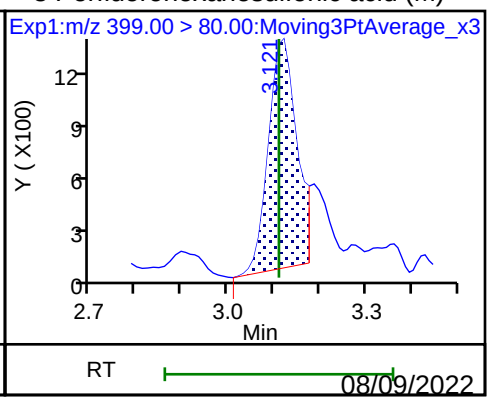
D 7 13C2 PFHxA



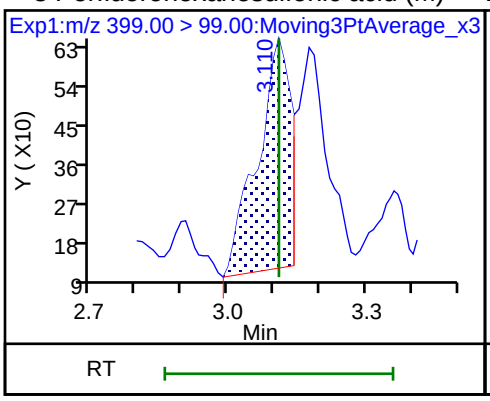
D 11 18O2 PFHxS (M)



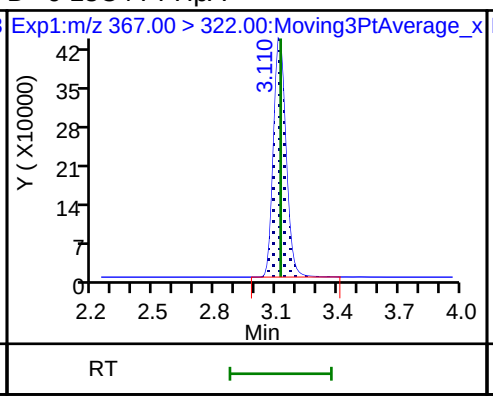
8 Perfluorohexanesulfonic acid (M)



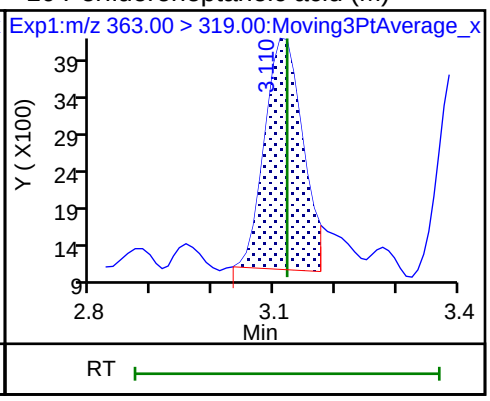
8 Perfluorohexanesulfonic acid (M)



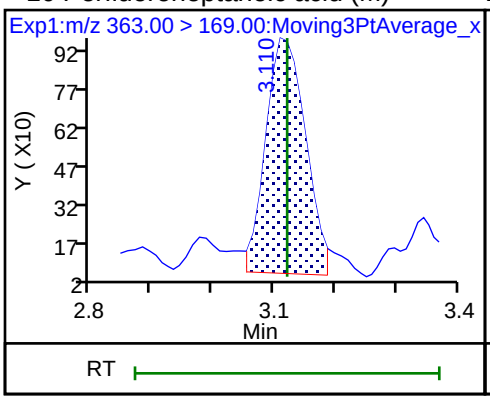
D 9 13C4 PFHpA



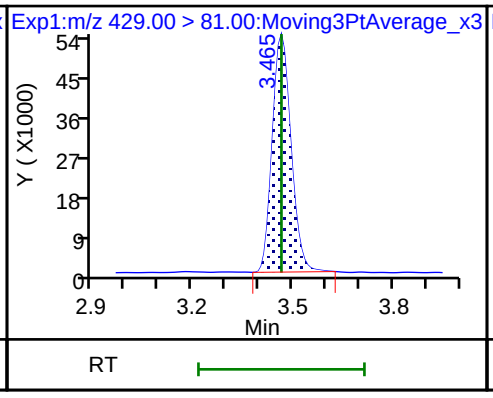
10 Perfluoroheptanoic acid (M)



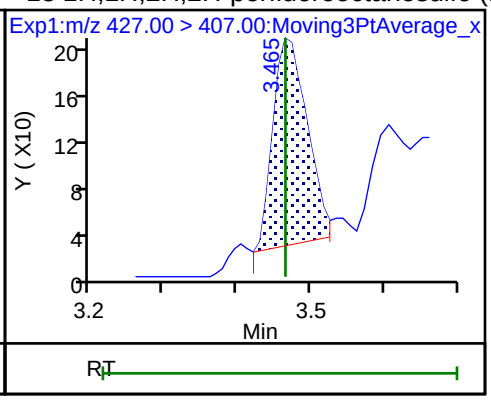
10 Perfluoroheptanoic acid (M)



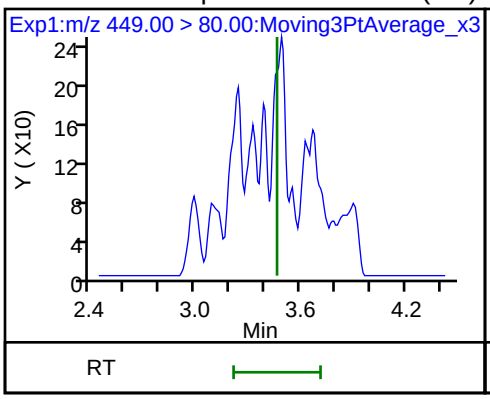
D 12 M2-6:2 FTS



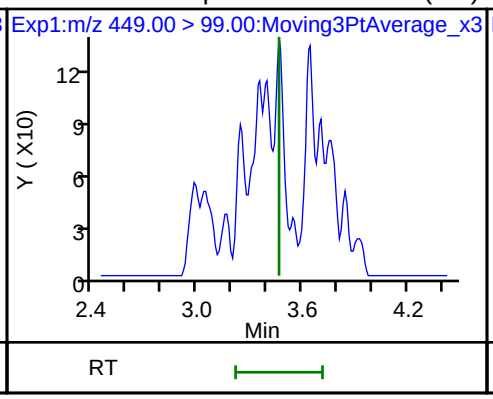
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



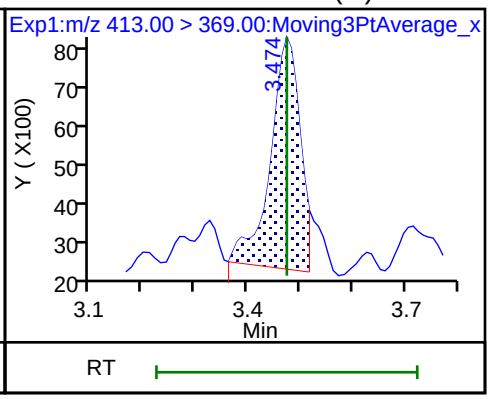
16 Perfluoroheptanesulfonic acid (ND)



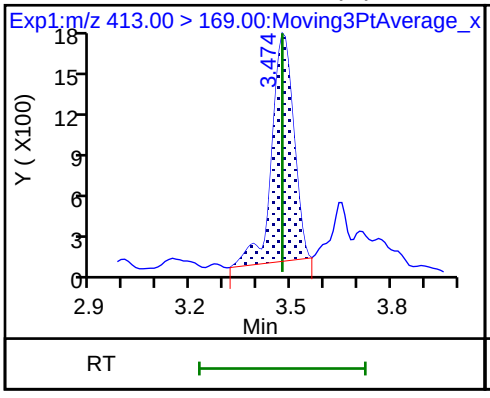
16 Perfluoroheptanesulfonic acid (ND)



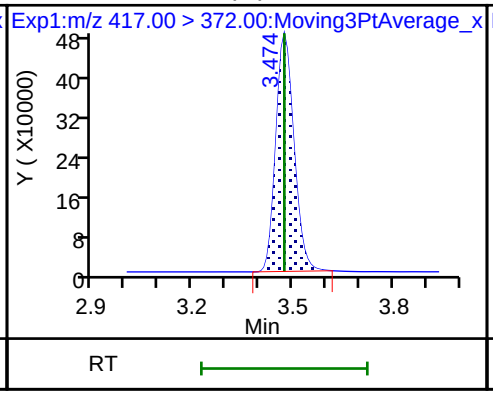
15 Perfluorooctanoic acid (M)



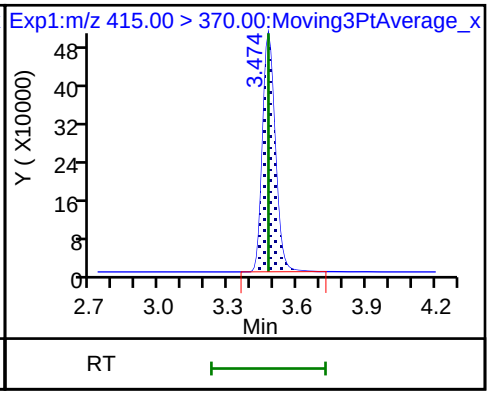
15 Perfluorooctanoic acid (M)



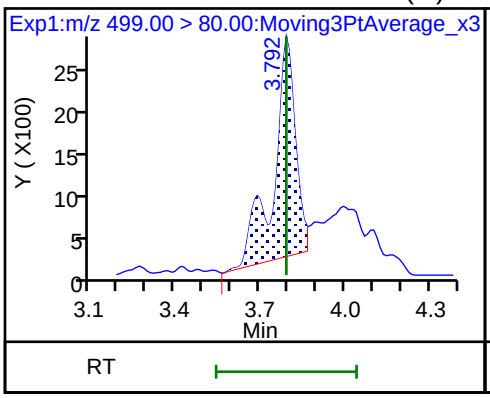
D 14 13C4 PFOA (M)



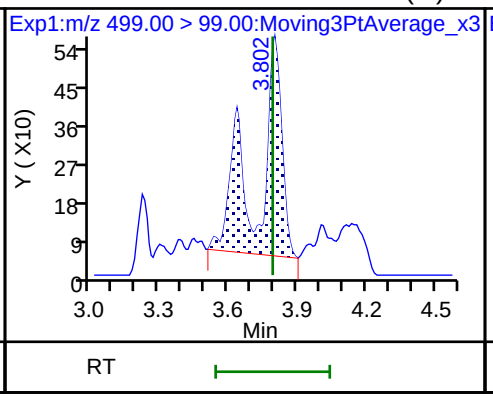
* 62 13C2 PFOA



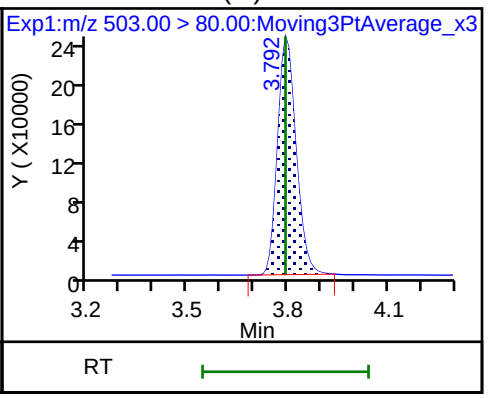
17 Perfluorooctanesulfonic acid (M)



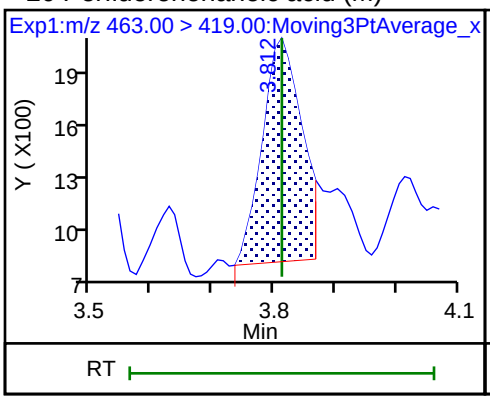
17 Perfluorooctanesulfonic acid (M)



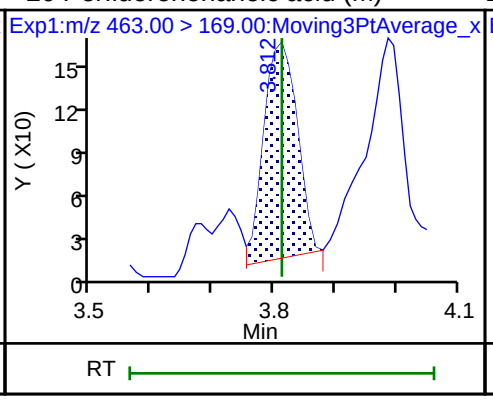
D 18 13C4 PFOS (M)



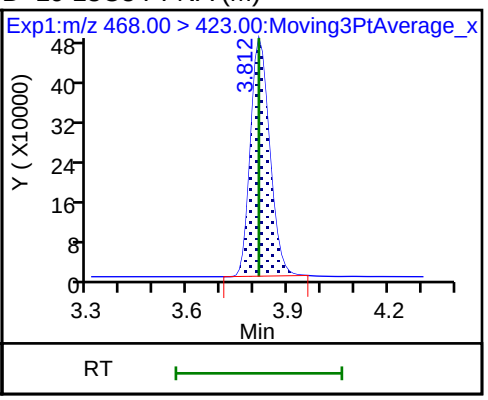
20 Perfluorononanoic acid (M)



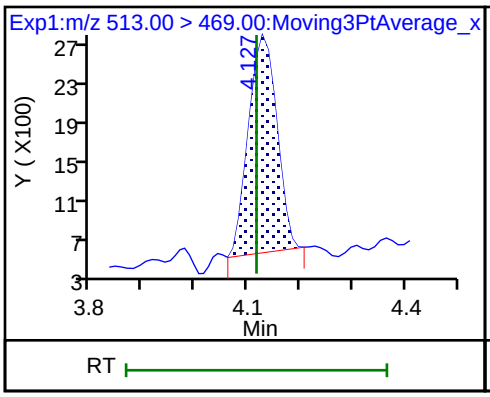
20 Perfluorononanoic acid (M)



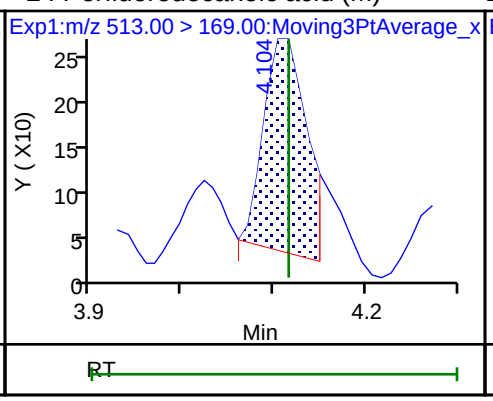
D 19 13C5 PFNA (M)



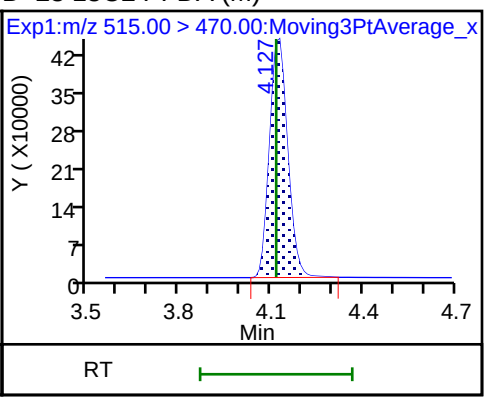
24 Perfluorodecanoic acid



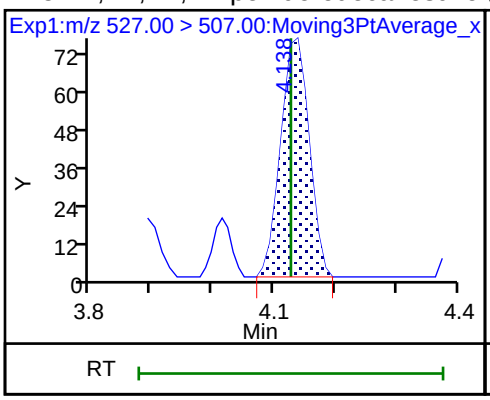
24 Perfluorodecanoic acid (M)



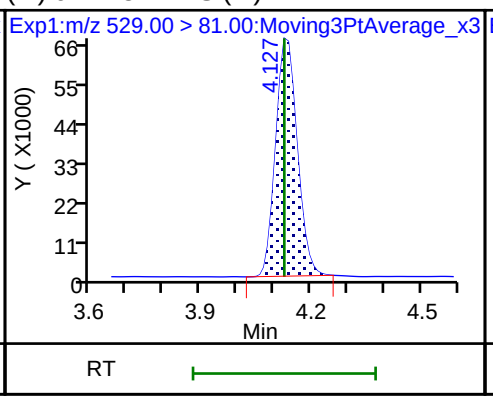
D 23 13C2 PFDA (M)



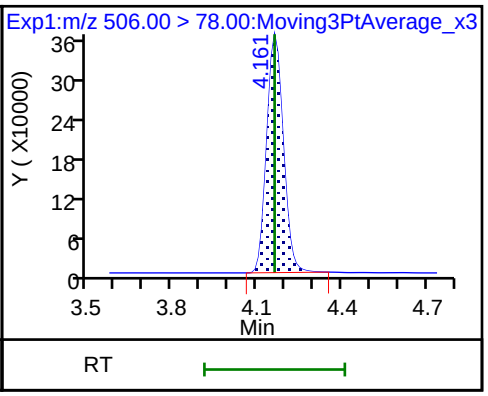
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



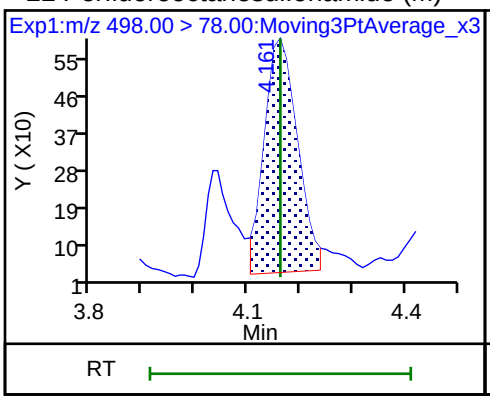
D 26 M2-8:2 FTS (M)



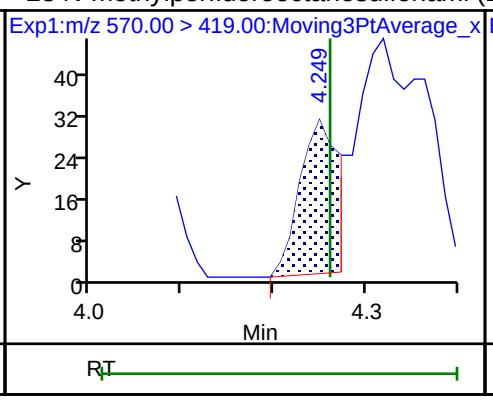
D 21 13C8 FOSA



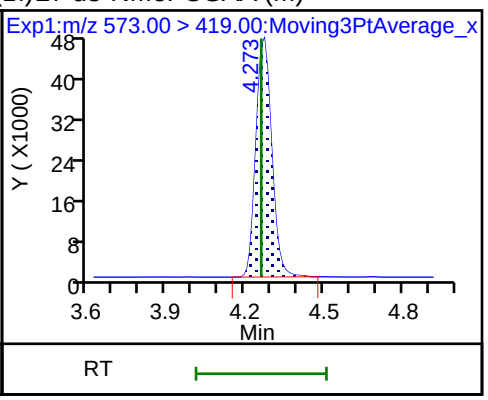
22 Perfluorooctanesulfonamide (M)



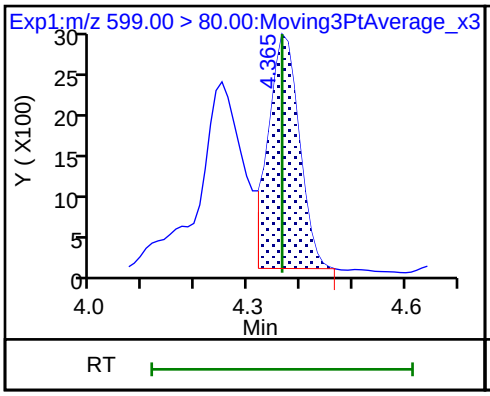
28 N-methylperfluorooctanesulfonami (M)



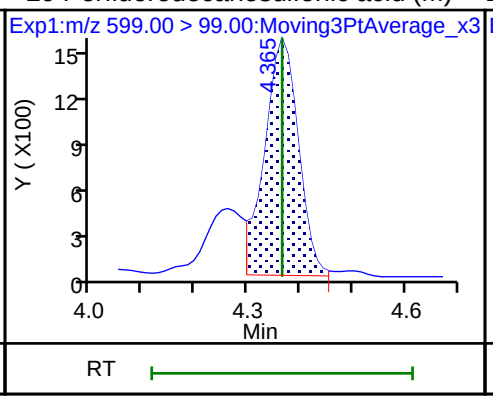
D 27 d3-NMeFOSAA (M)



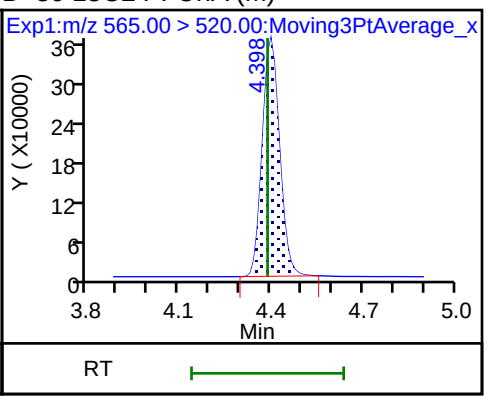
29 Perfluorodecanesulfonic acid



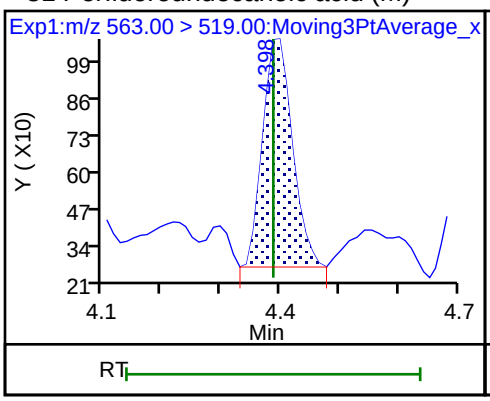
29 Perfluorodecanesulfonic acid (M)



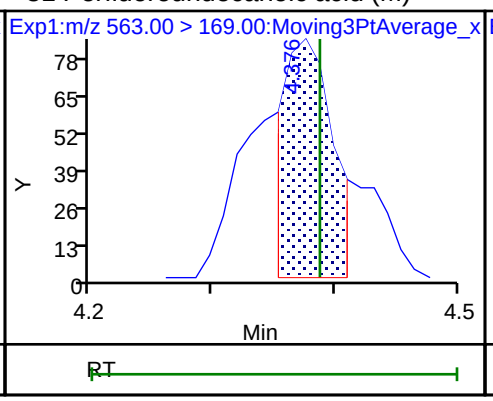
D 30 13C2 PFUnA (M)



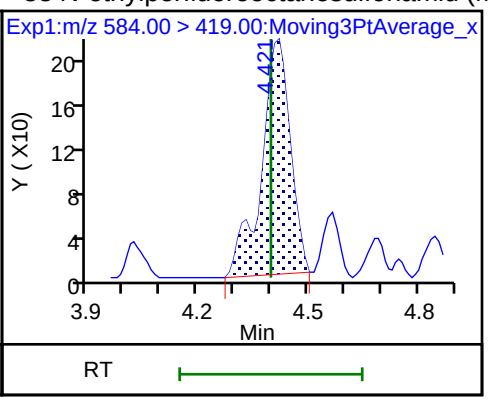
31 Perfluoroundecanoic acid (M)



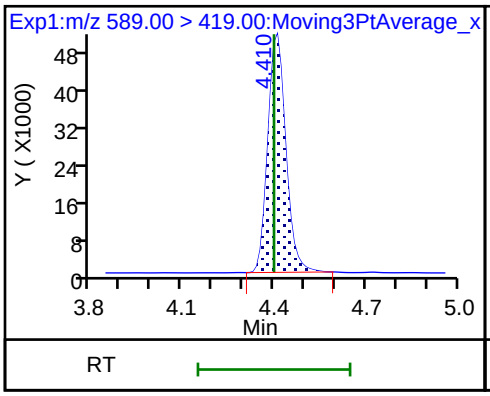
31 Perfluoroundecanoic acid (M)



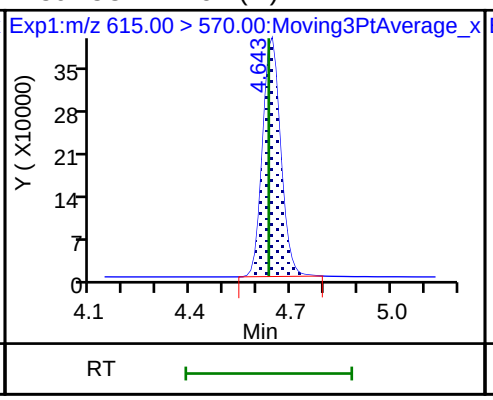
33 N-ethylperfluorooctanesulfonamid (M)



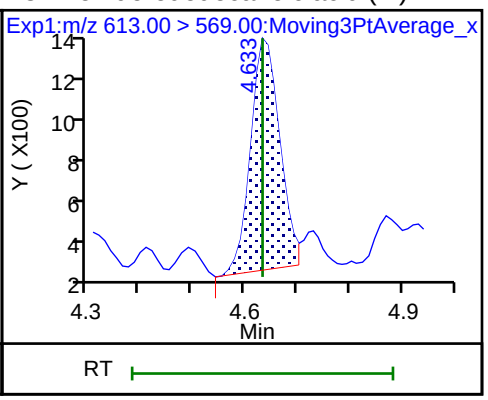
D 32 d5-NEtFOSAA



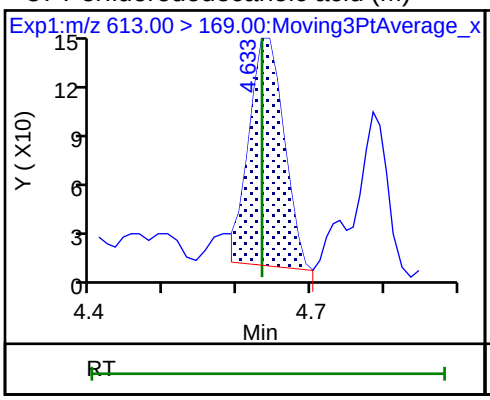
D 36 13C2 PFDoA (M)



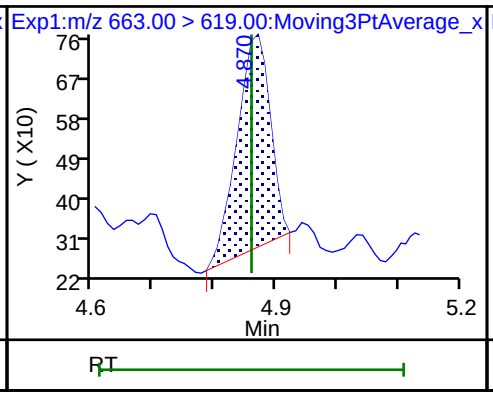
37 Perfluorododecanoic acid (M)



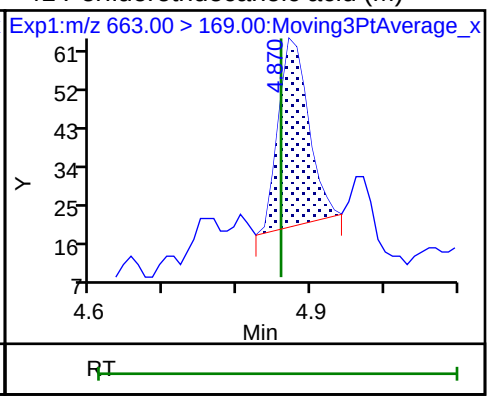
37 Perfluorododecanoic acid (M)



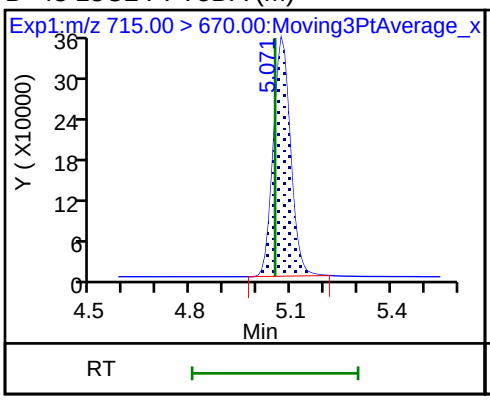
41 Perfluorotridecanoic acid



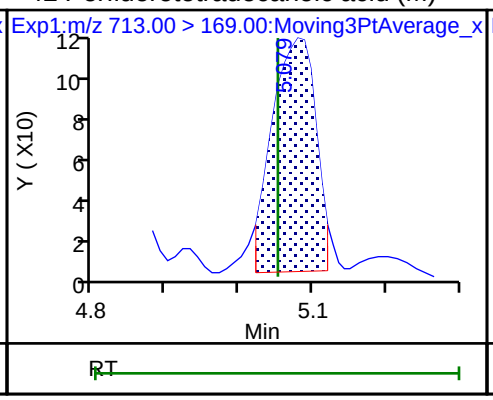
41 Perfluorotridecanoic acid (M)



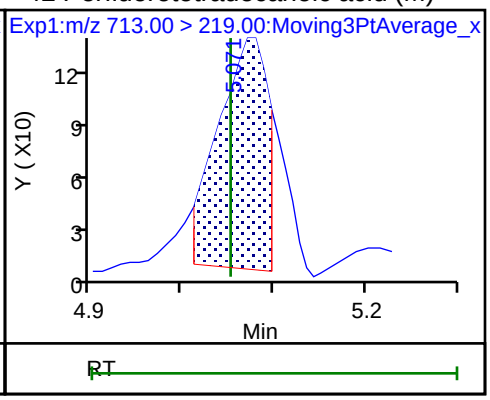
D 43 13C2 PFTeDA (M)



42 Perfluorotetradecanoic acid (M)



42 Perfluorotetradecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins Burlington

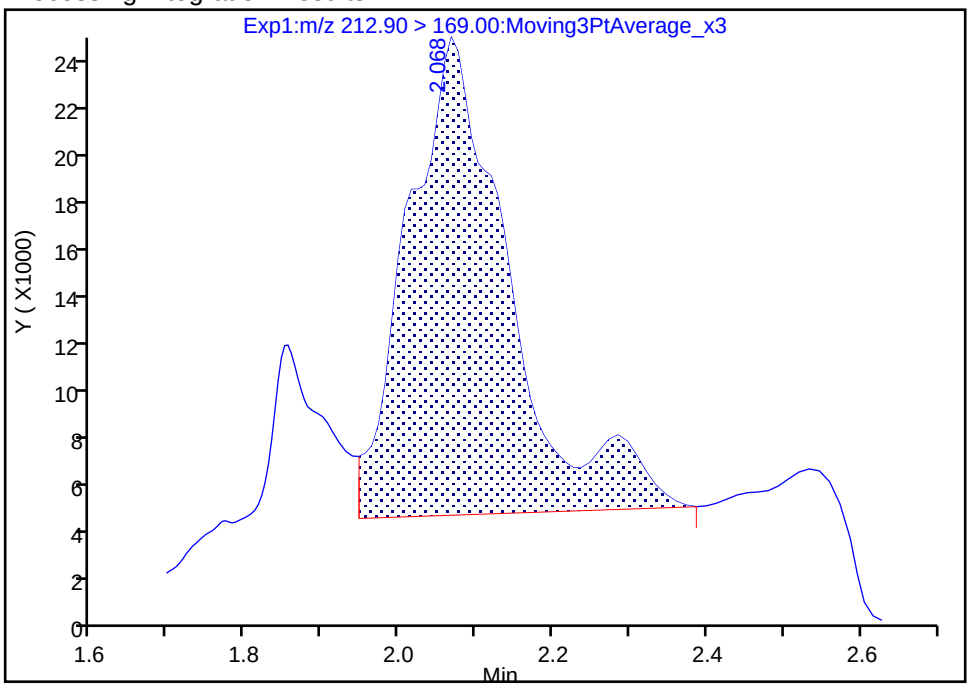
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B17.d				
Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

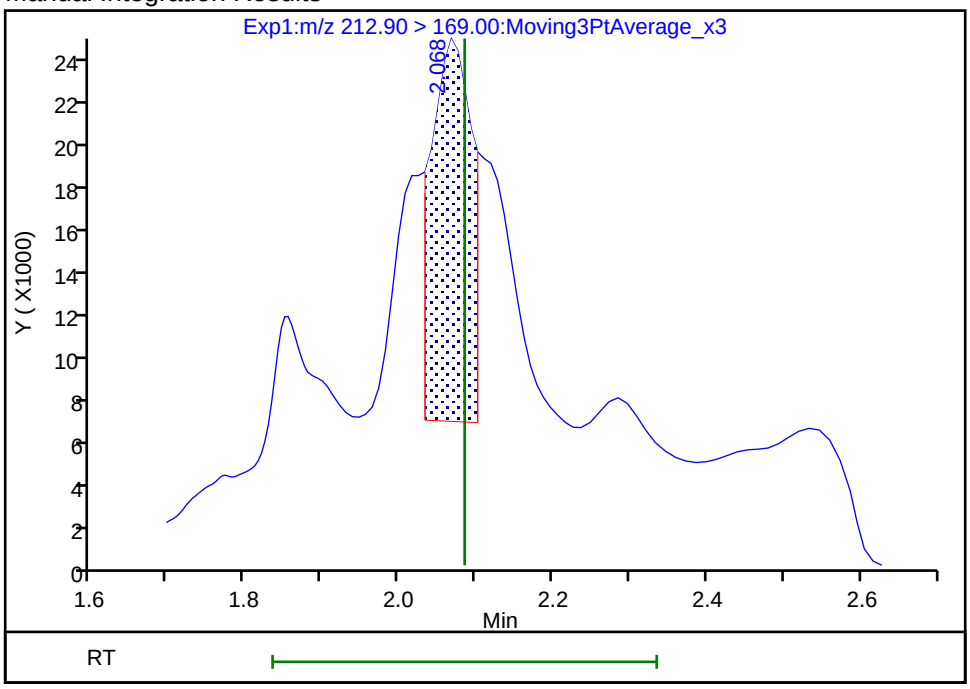
Processing Integration Results

RT: 2.07
Area: 187342
Amount: 0.107991
Amount Units: ng/ml



Manual Integration Results

RT: 2.07
Area: 62823
Amount: 0.036242
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:12:40

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

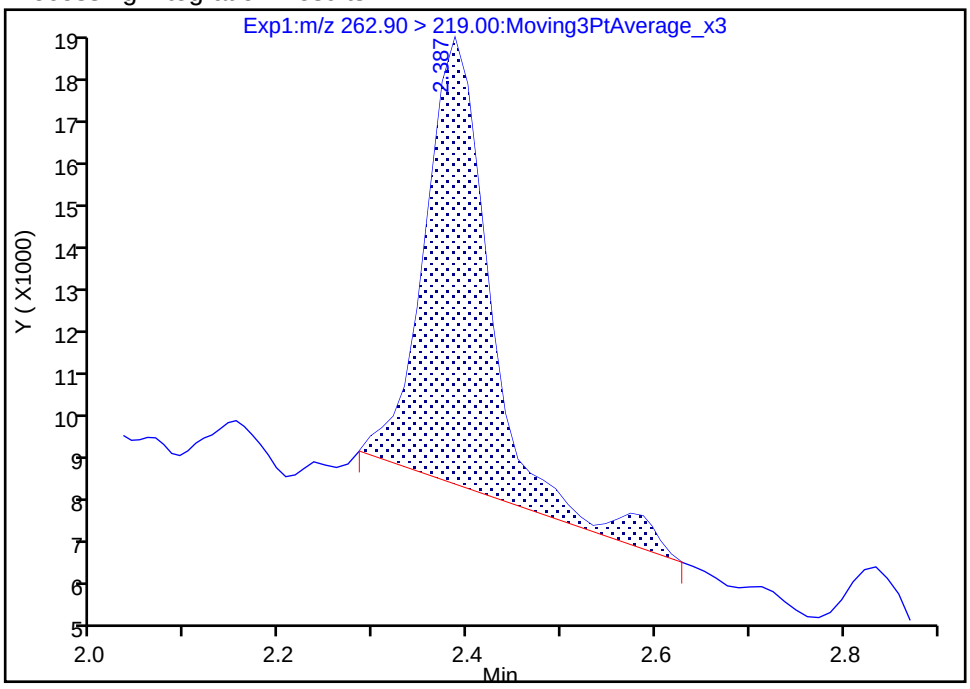
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Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

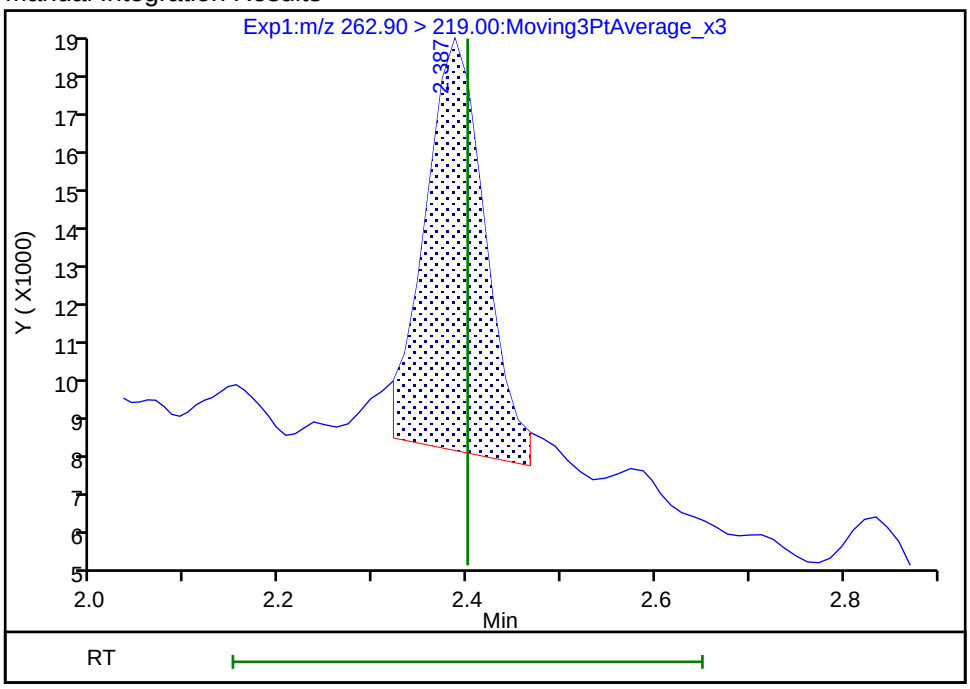
Processing Integration Results

RT: 2.39
Area: 50626
Amount: 0.036867
Amount Units: ng/ml



Manual Integration Results

RT: 2.39
Area: 46650
Amount: 0.033972
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:13:20

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

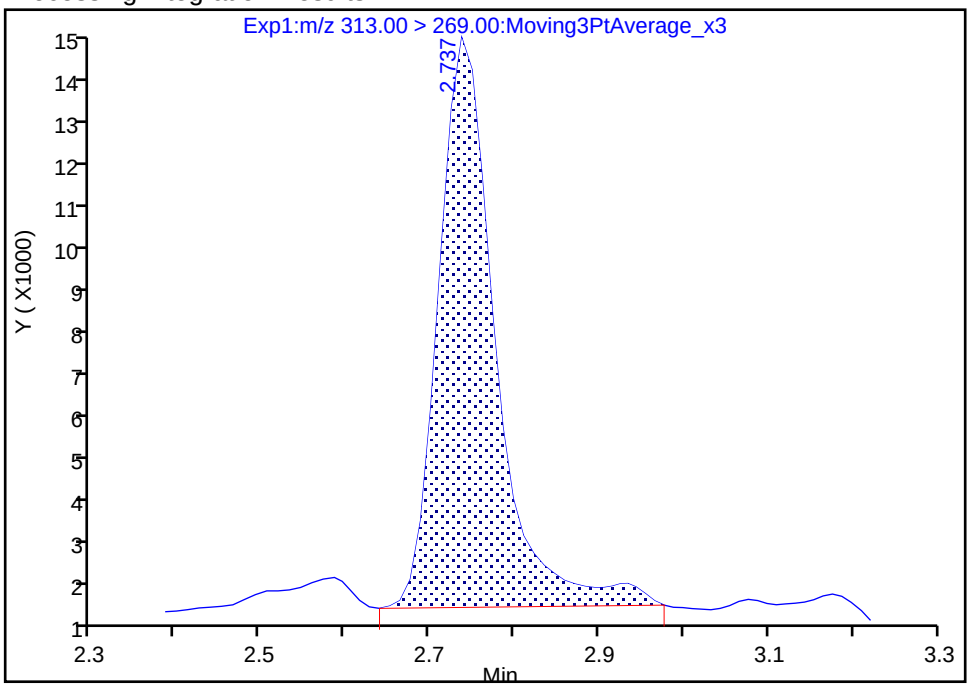
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B17.d				
Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

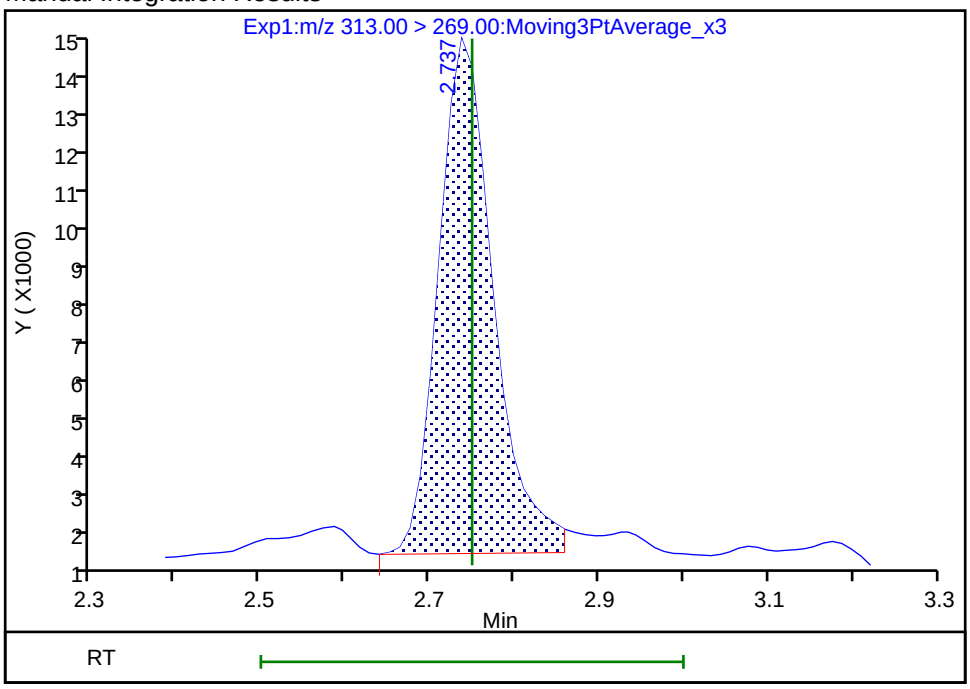
Processing Integration Results

RT: 2.74
Area: 63343
Amount: 0.043303
Amount Units: ng/ml



Manual Integration Results

RT: 2.74
Area: 60501
Amount: 0.041360
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:13:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

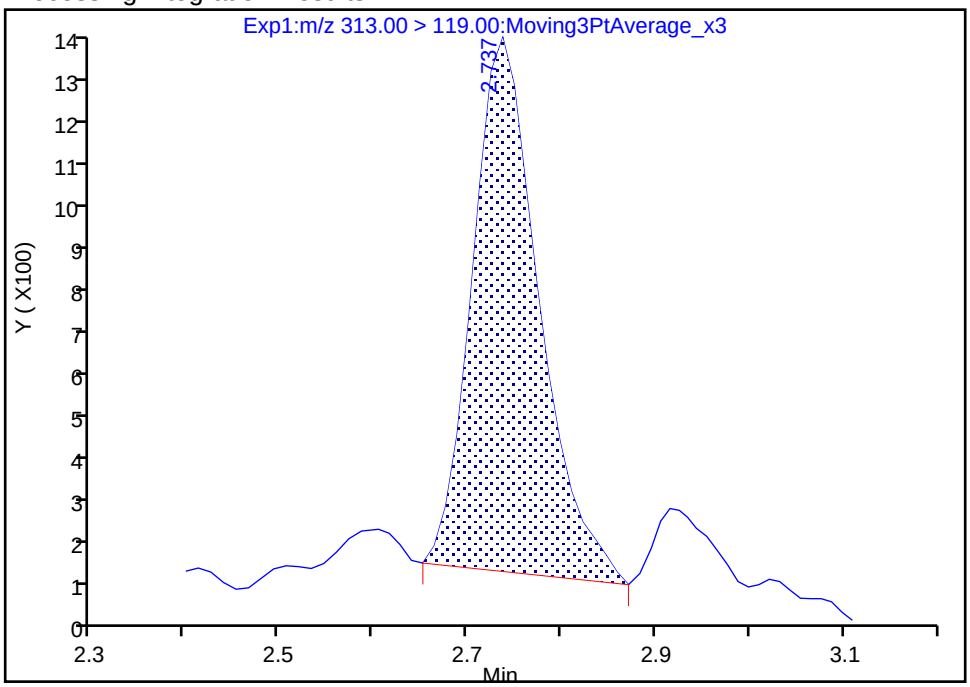
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Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

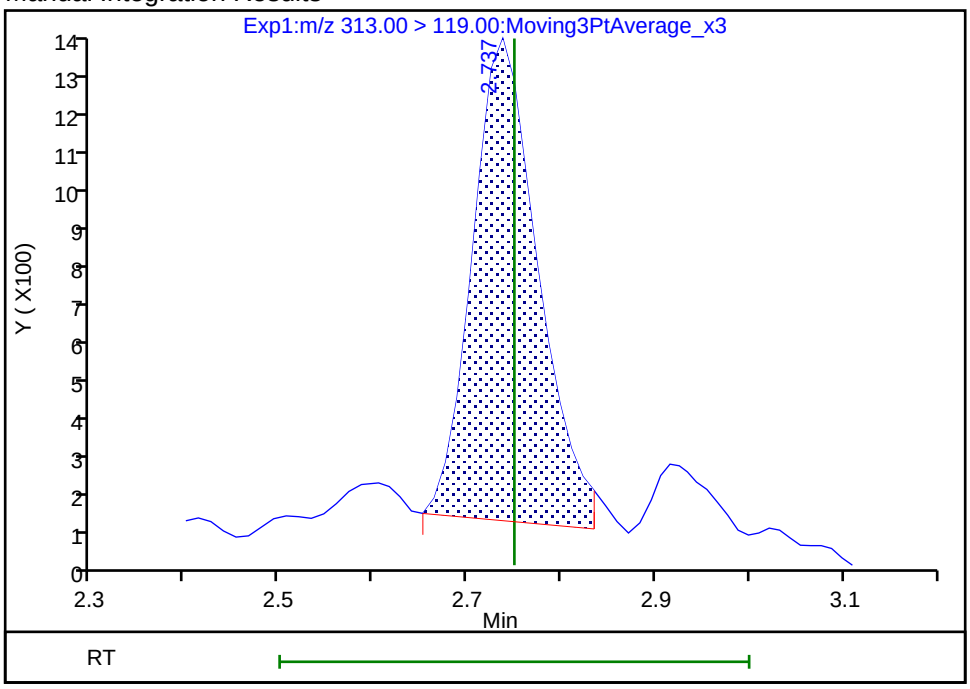
Processing Integration Results

RT: 2.74
Area: 5842
Amount: 0.043303
Amount Units: ng/ml



Manual Integration Results

RT: 2.74
Area: 5732
Amount: 0.041360
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:13:47
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

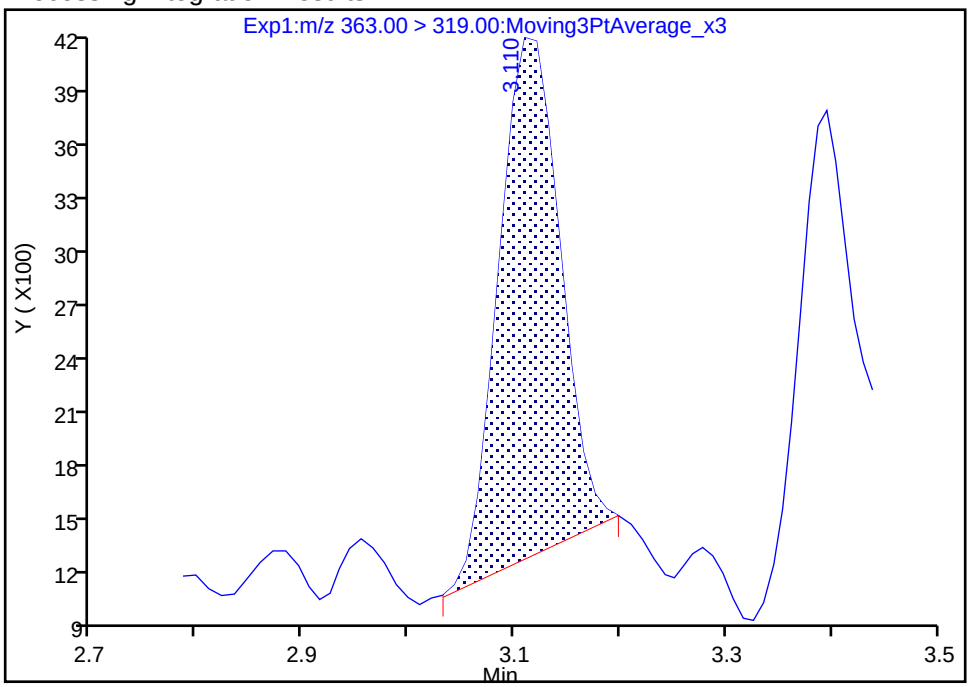
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Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

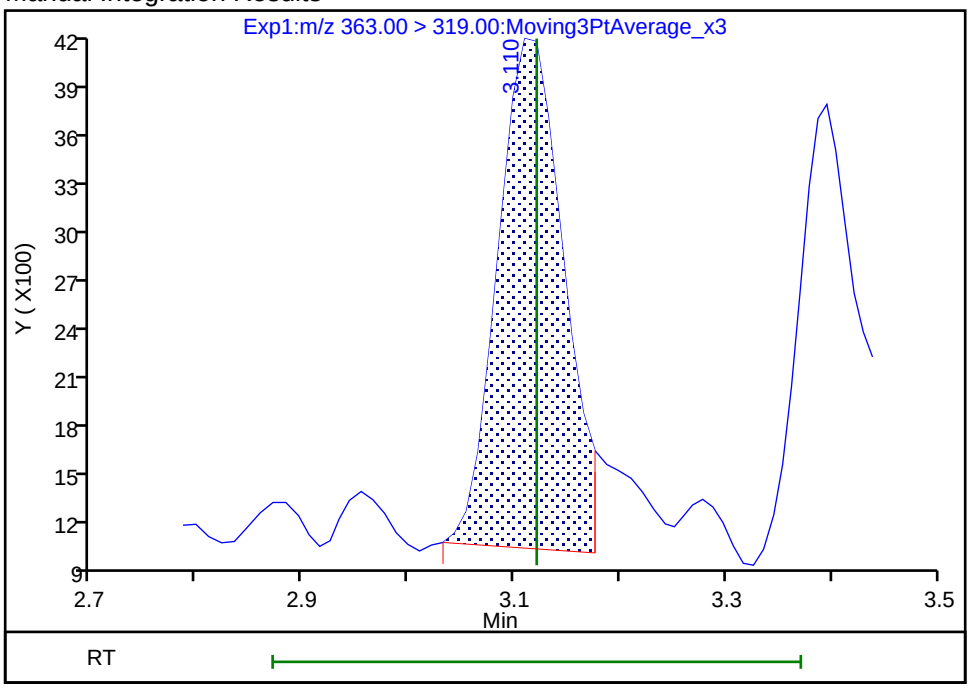
Processing Integration Results

RT: 3.11
Area: 11627
Amount: 0.007706
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 13383
Amount: 0.008869
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:14:31

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

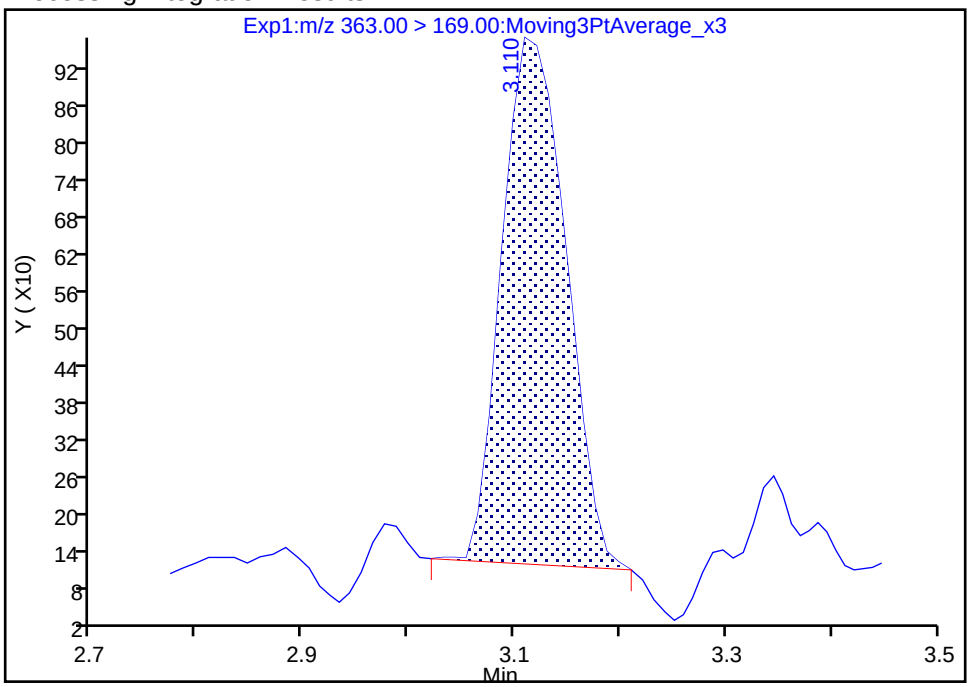
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Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

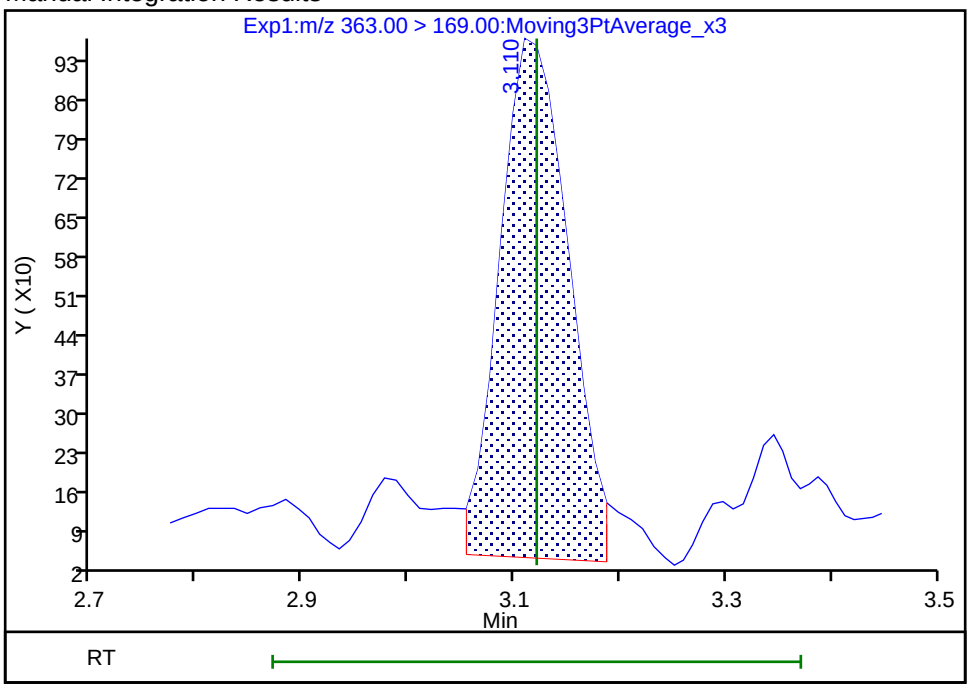
Processing Integration Results

RT: 3.11
Area: 3565
Amount: 0.007706
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 4155
Amount: 0.008869
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:14:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

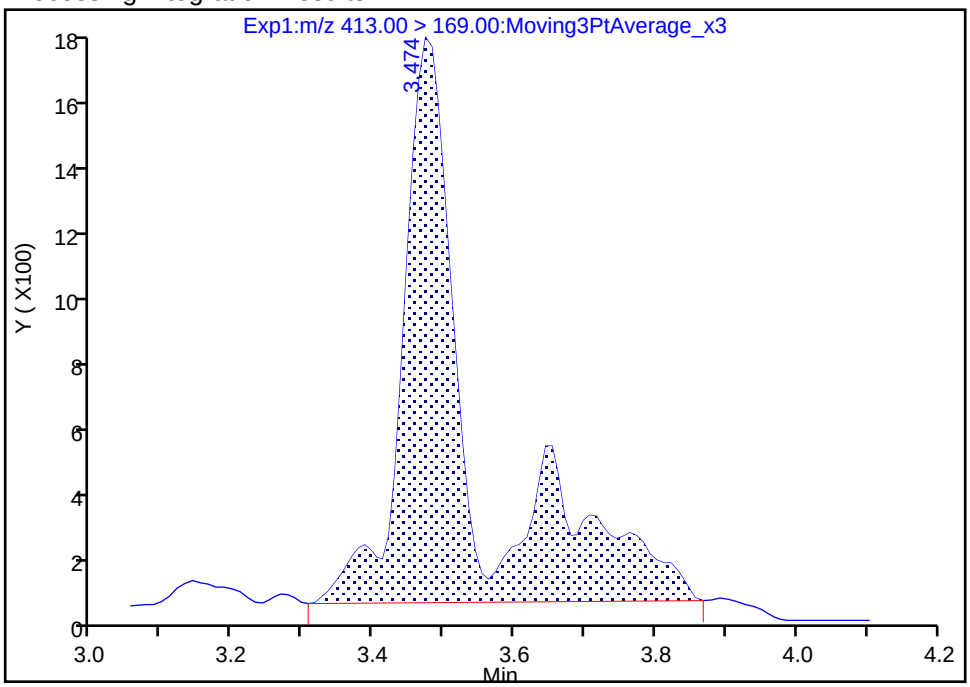
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Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

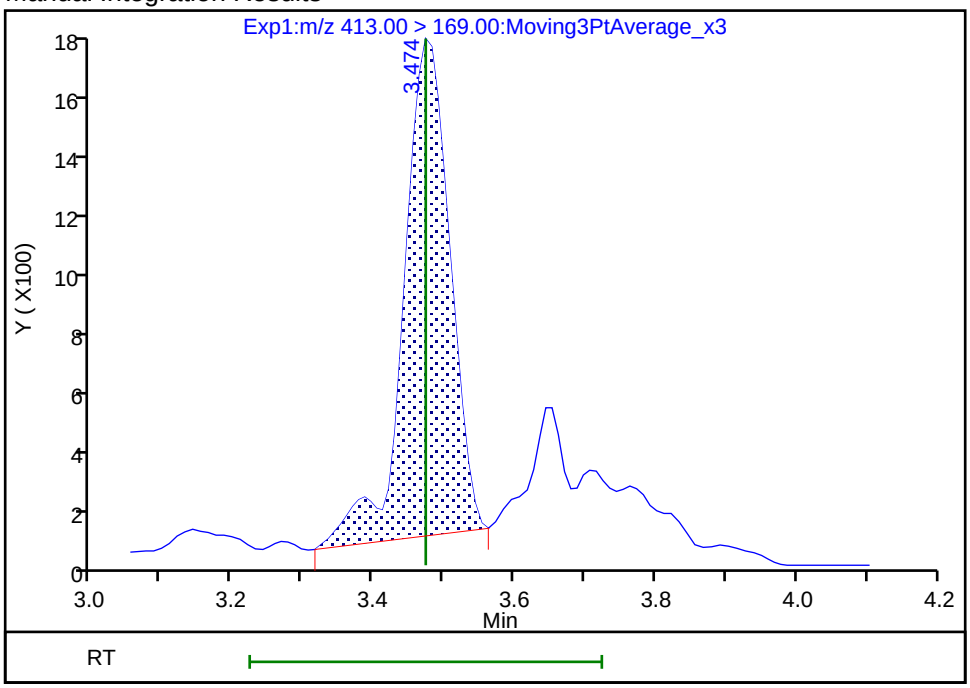
Processing Integration Results

RT: 3.47
Area: 11651
Amount: 0.015331
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 7600
Amount: 0.014344
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:15:46
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

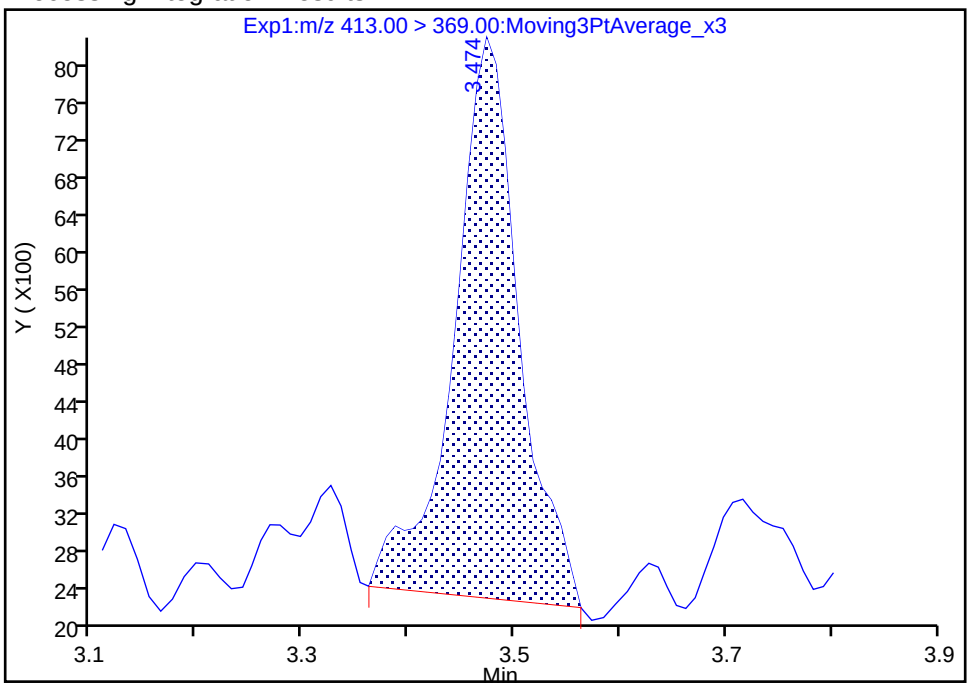
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B17.d				
Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

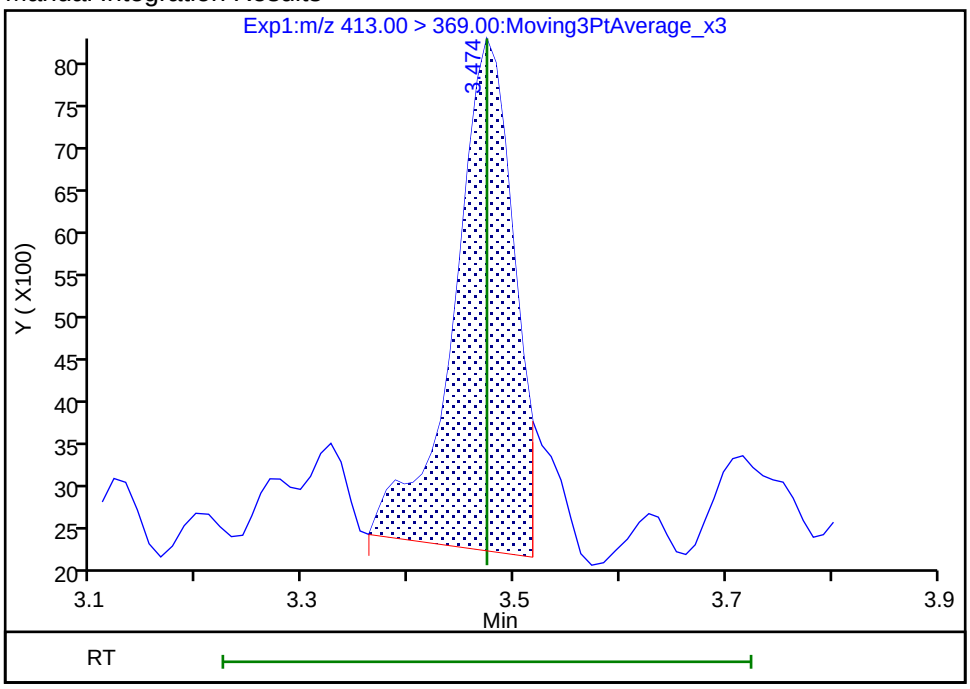
Processing Integration Results

RT: 3.47
Area: 25252
Amount: 0.015331
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 23358
Amount: 0.014344
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:15:51
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

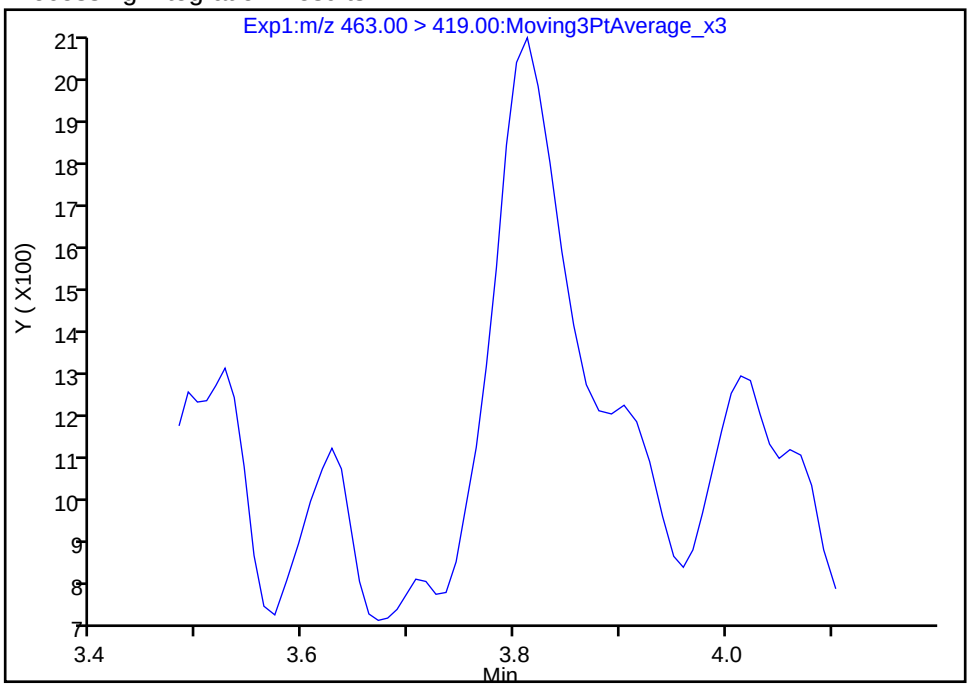
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Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

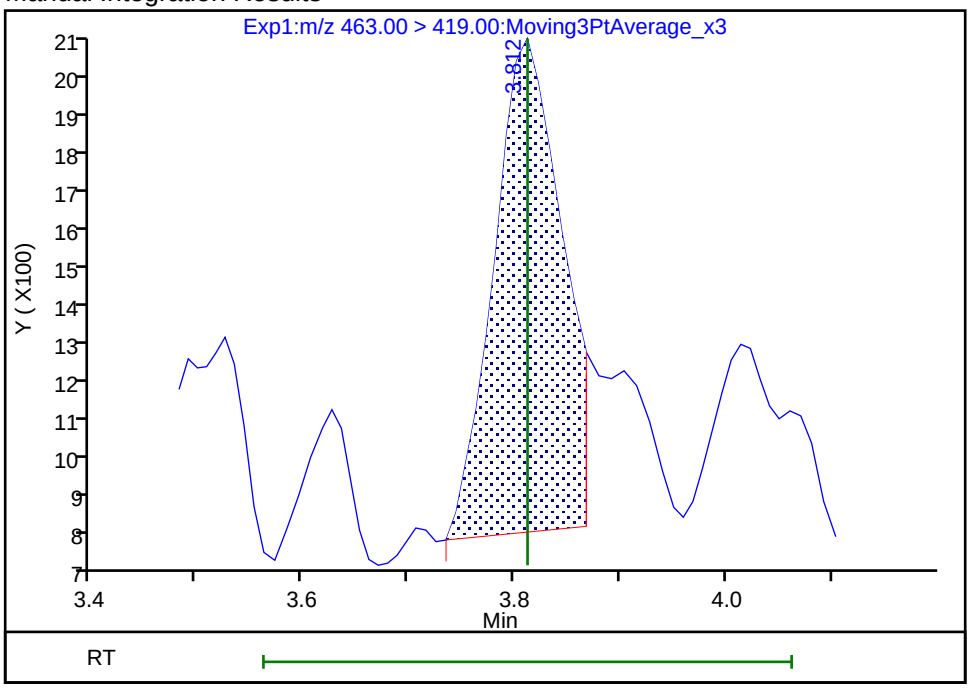
Not Detected
Expected RT: 3.81

Processing Integration Results



Manual Integration Results

RT: 3.81
Area: 5287
Amount: 0.003398
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:16:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

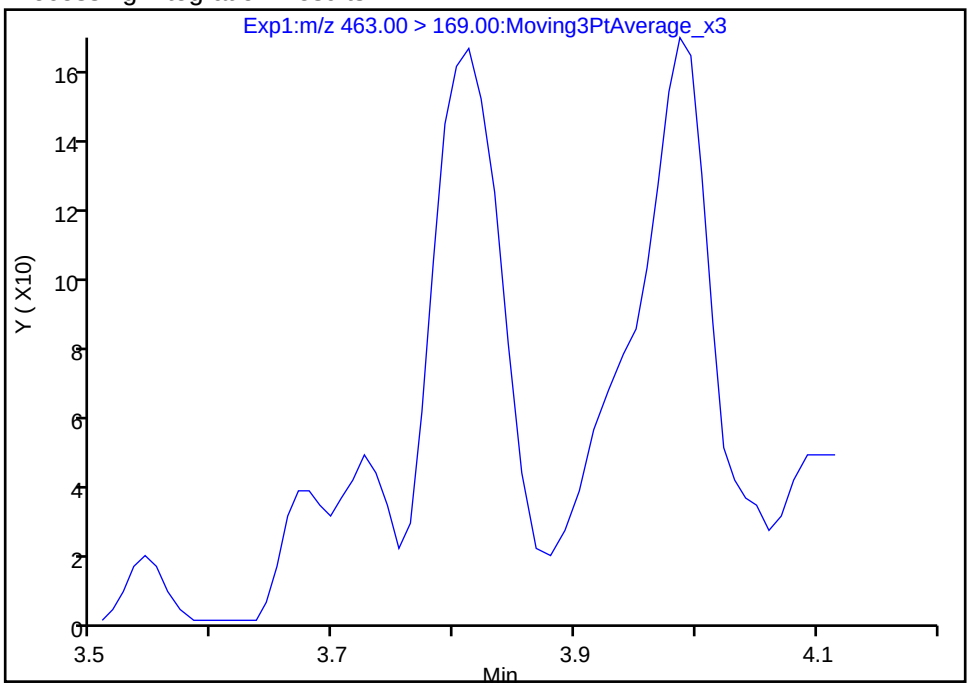
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B17.d				
Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

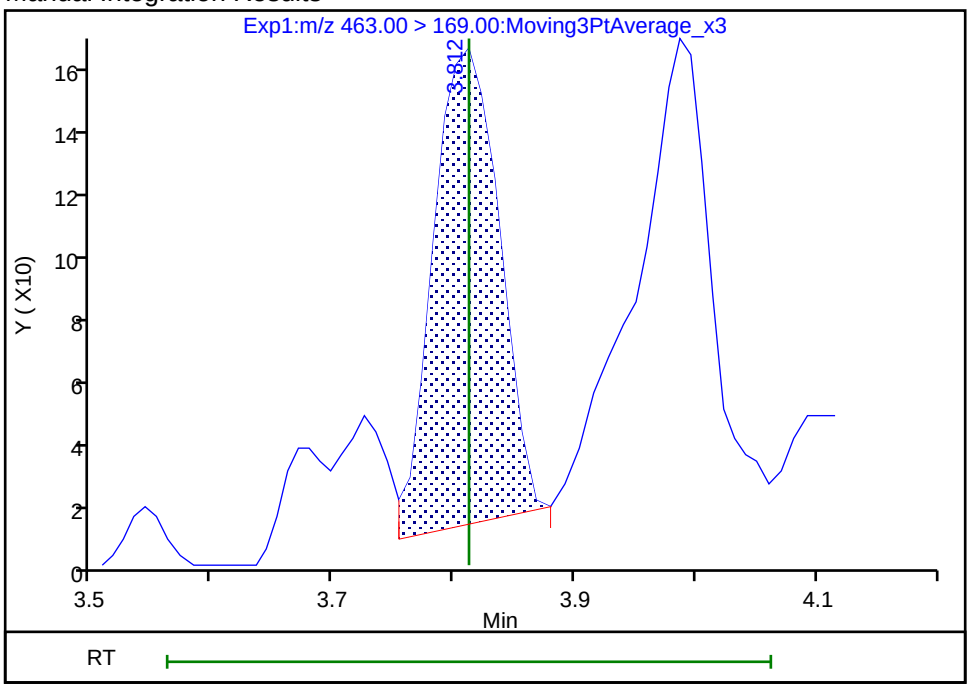
Not Detected
Expected RT: 3.81

Processing Integration Results



Manual Integration Results

RT: 3.81
Area: 555
Amount: 0.003398
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:16:57
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

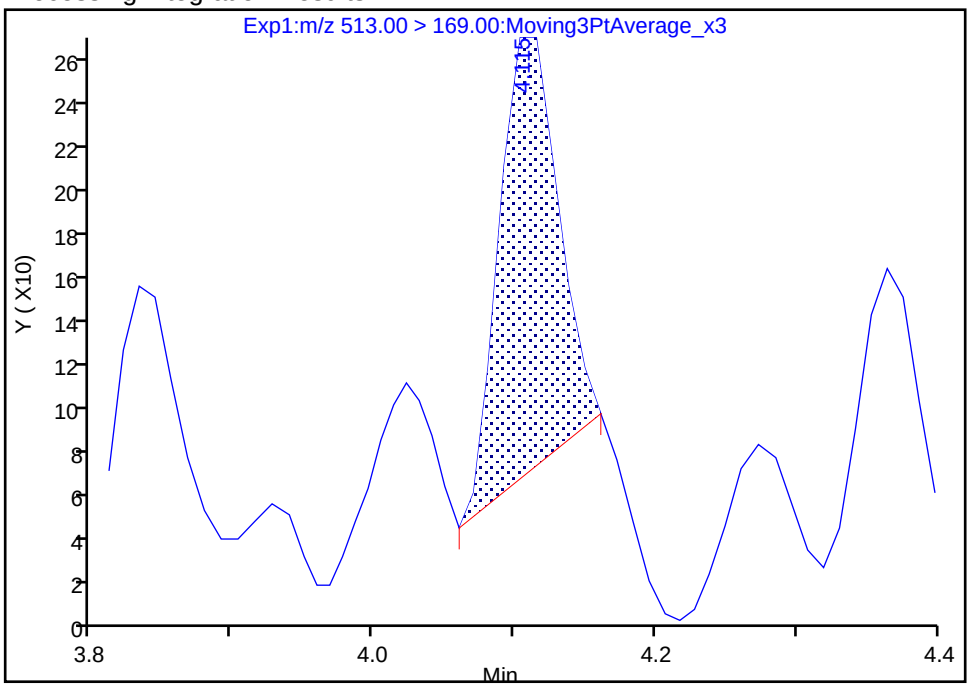
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B17.d				
Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

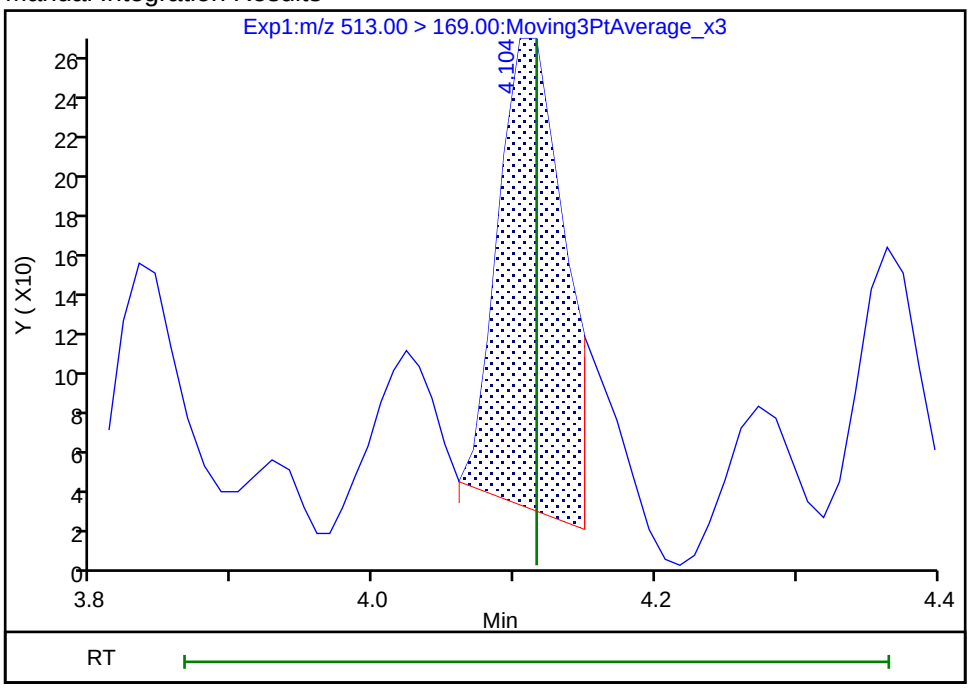
Processing Integration Results

RT: 4.12
Area: 578
Amount: 0.005274
Amount Units: ng/ml



Manual Integration Results

RT: 4.10
Area: 756
Amount: 0.005274
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:17:06

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

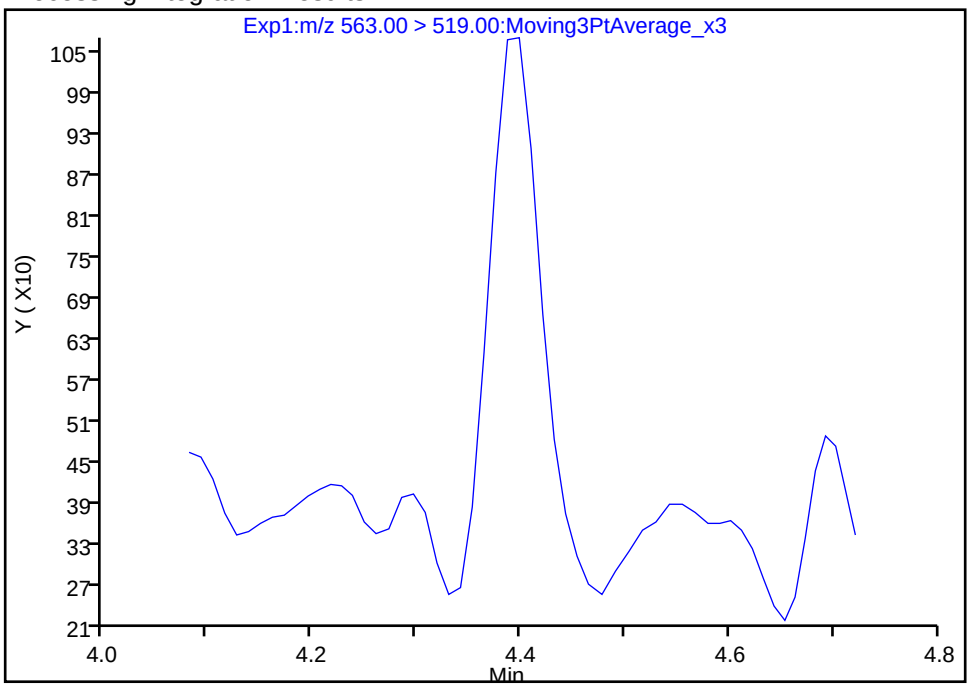
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B17.d				
Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

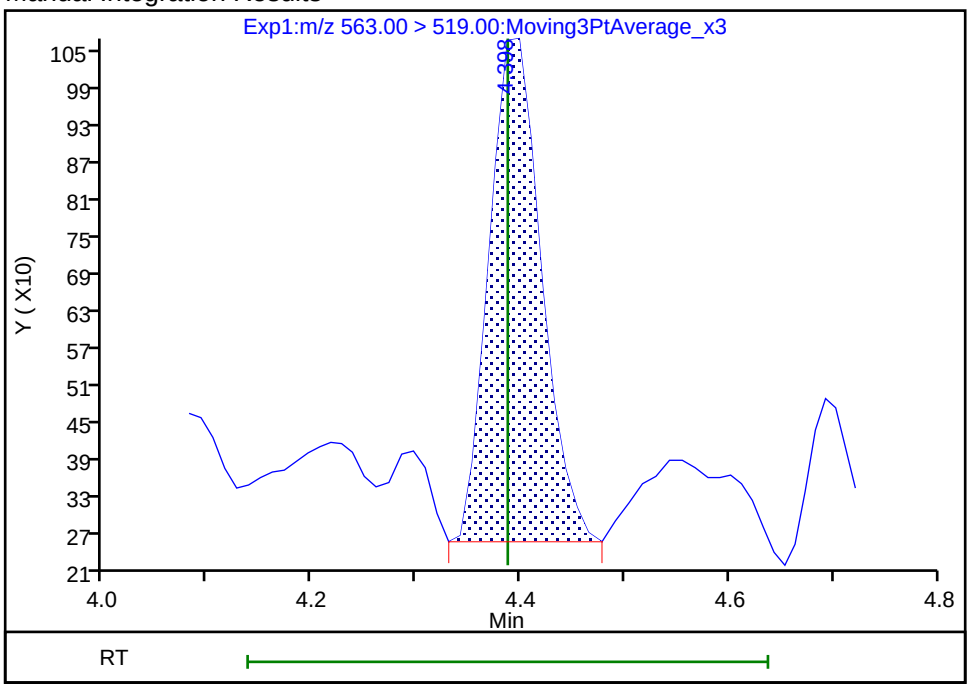
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.40
Area: 2845
Amount: 0.002325
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:17:48
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

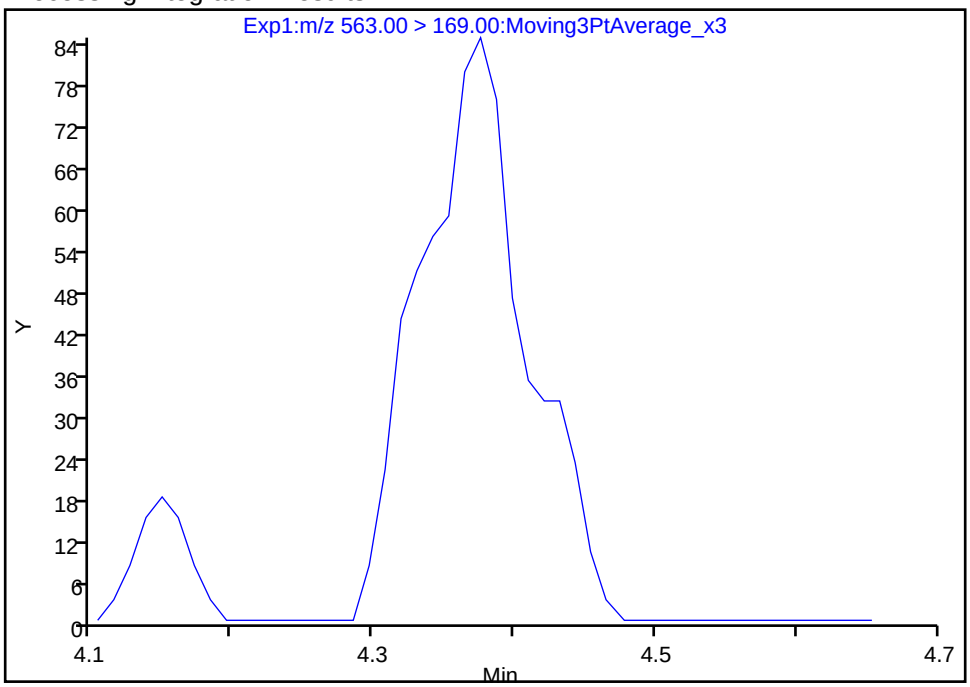
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B17.d				
Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

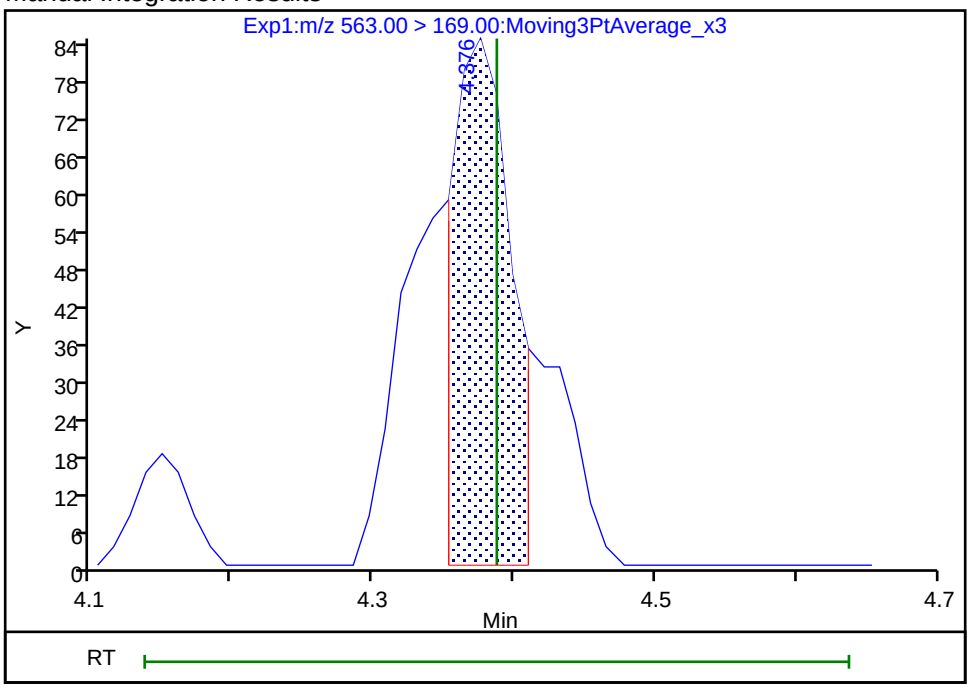
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.38
Area: 227
Amount: 0.002325
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:17:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

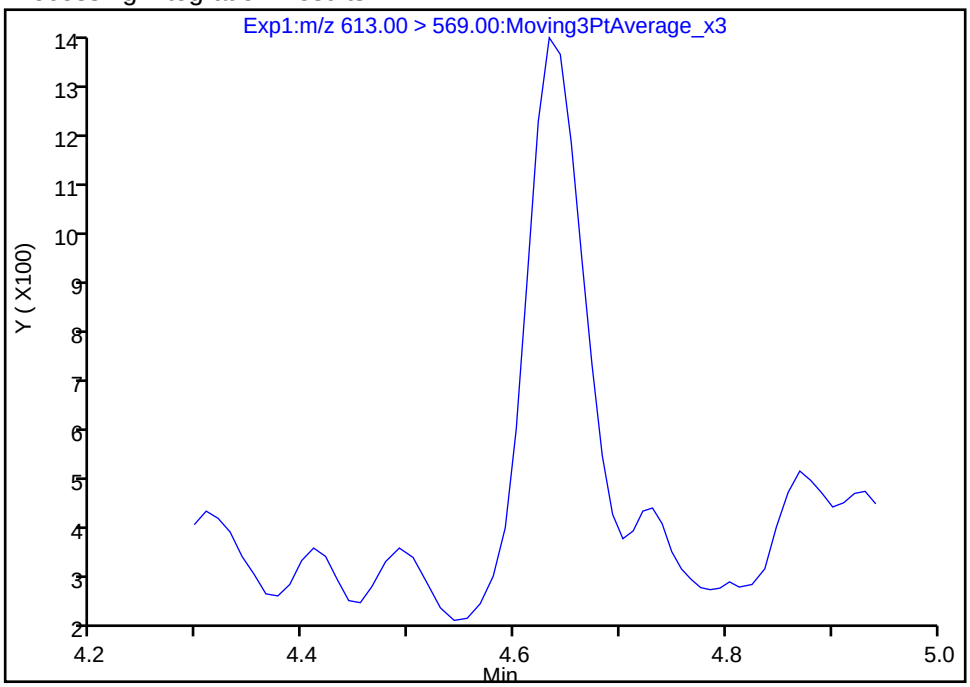
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B17.d				
Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

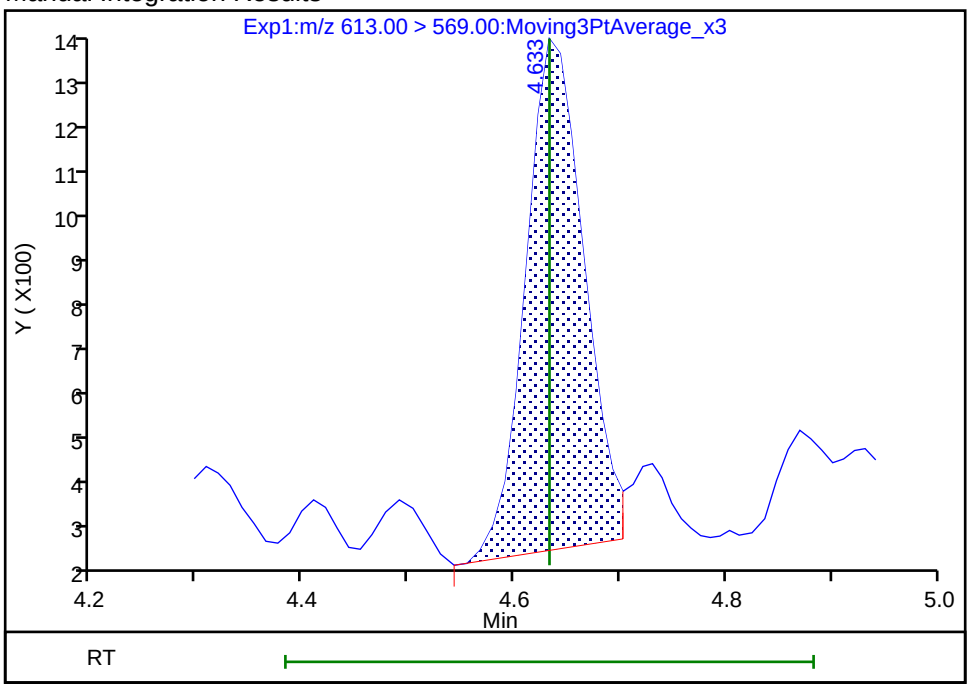
Not Detected
Expected RT: 4.63

Processing Integration Results



Manual Integration Results

RT: 4.63
Area: 4162
Amount: 0.003472
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:18:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

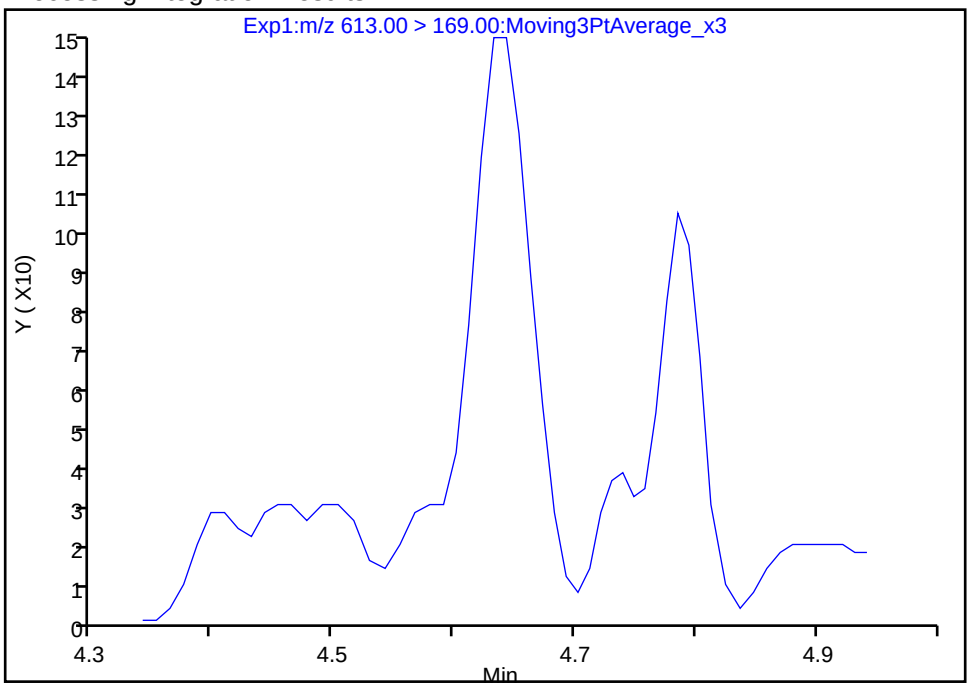
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B17.d				
Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

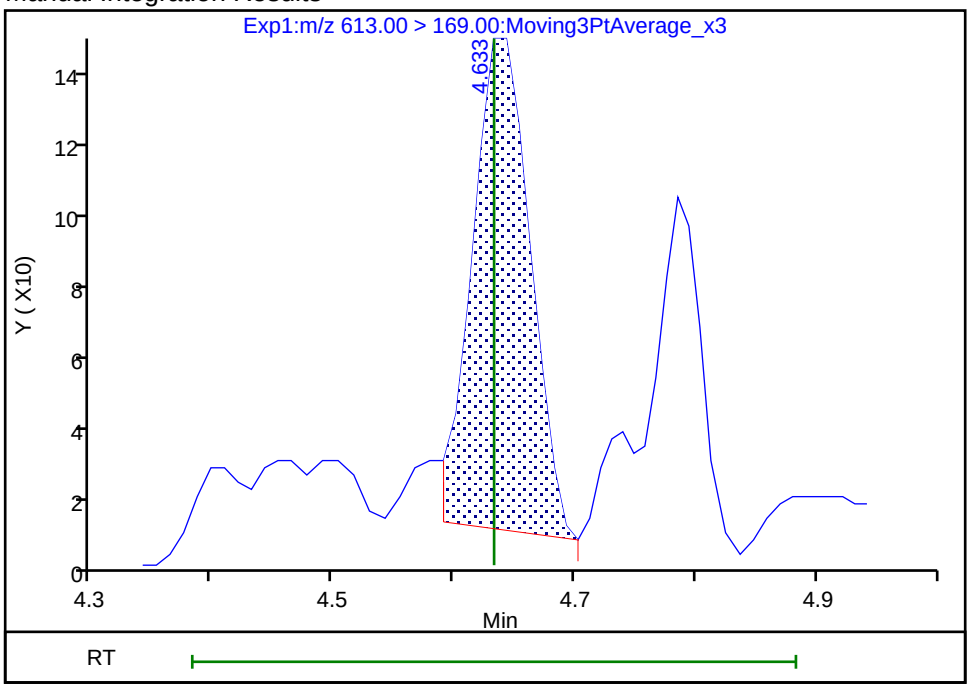
Not Detected
Expected RT: 4.63

Processing Integration Results



Manual Integration Results

RT: 4.63
Area: 453
Amount: 0.003472
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:18:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

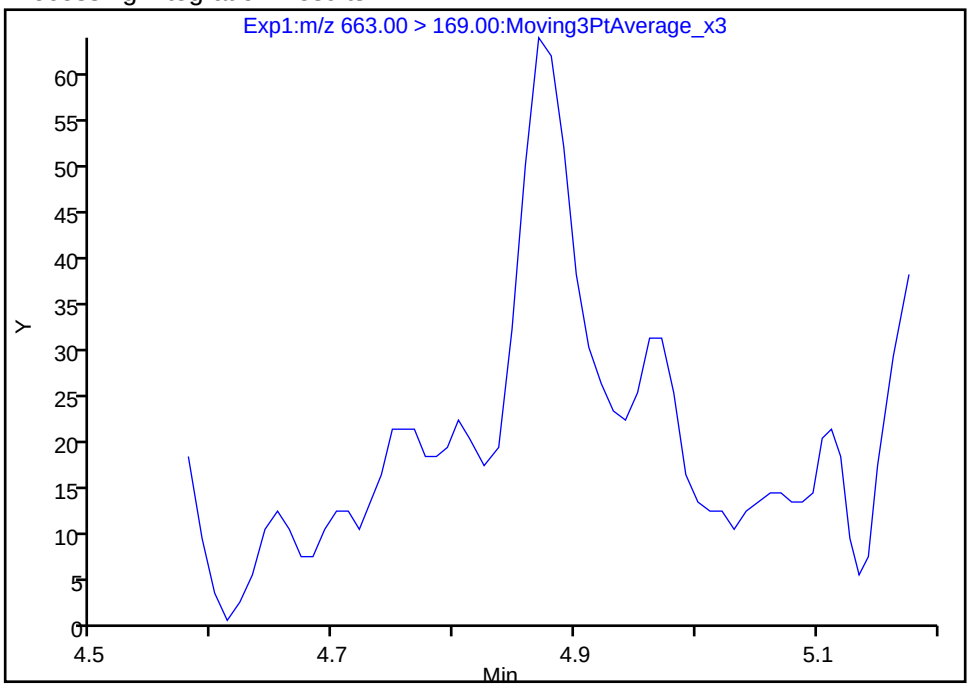
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B17.d				
Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

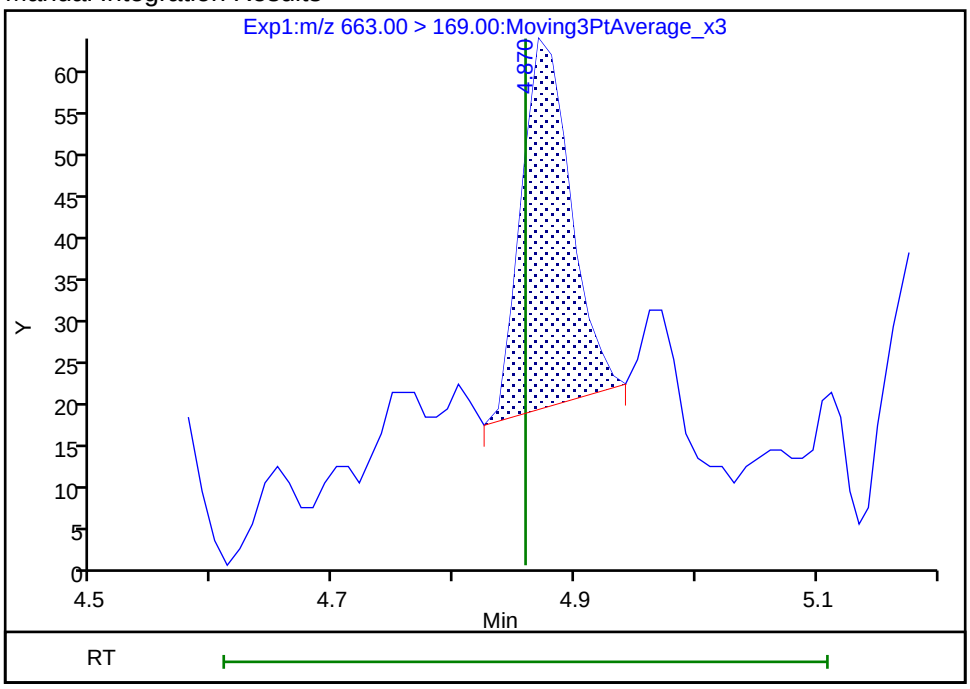
Not Detected
Expected RT: 4.86

Processing Integration Results



Manual Integration Results

RT: 4.87
Area: 127
Amount: 0.001768
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:18:22
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

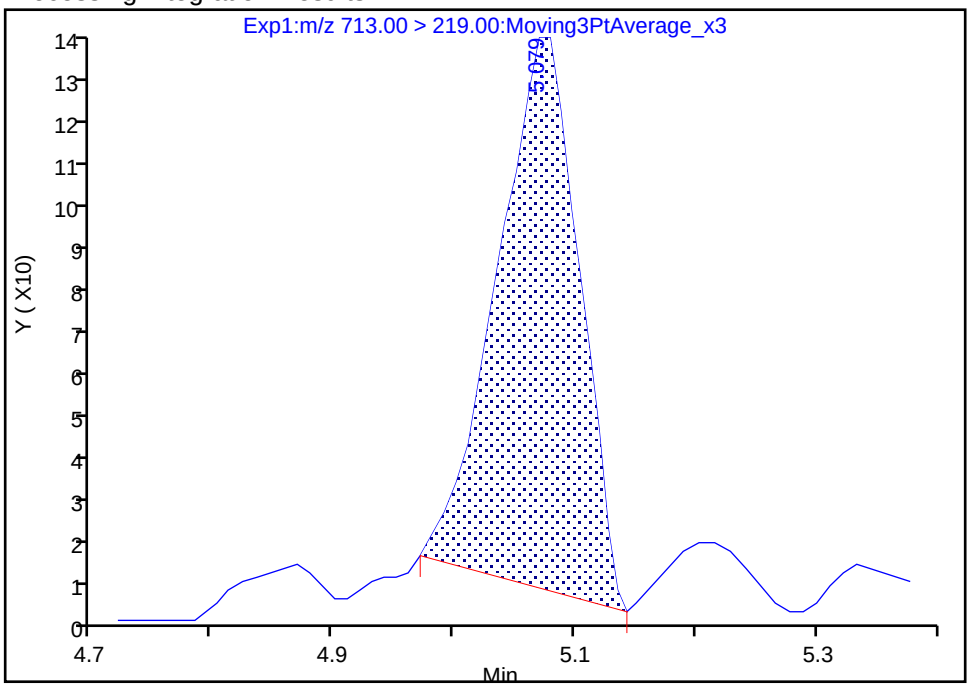
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Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

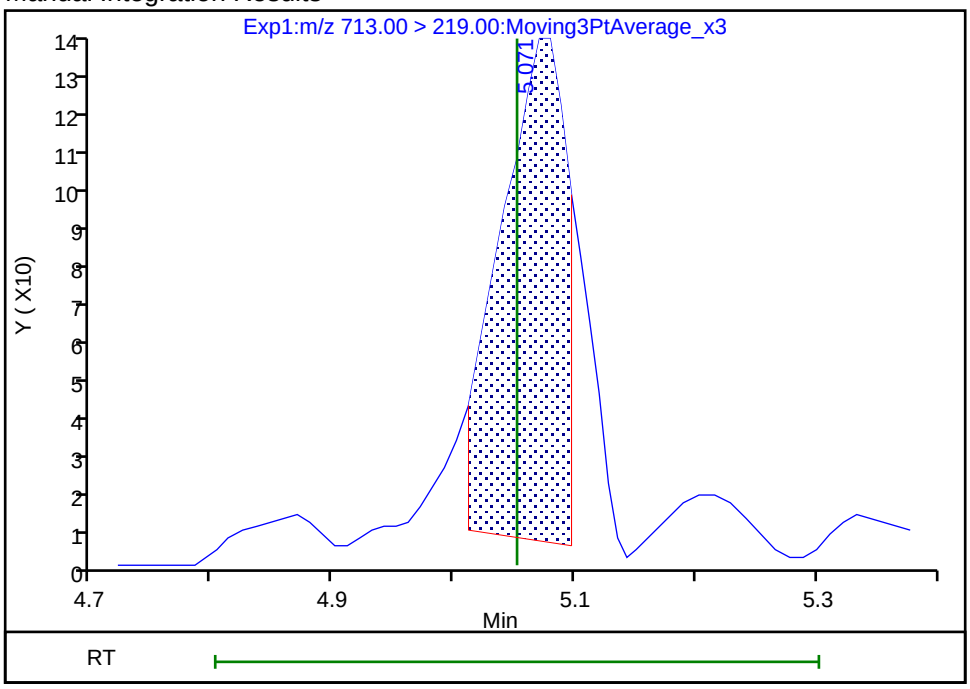
Processing Integration Results

RT: 5.08
Area: 605
Amount: 0.002396
Amount Units: ng/ml



Manual Integration Results

RT: 5.07
Area: 472
Amount: 0.002963
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:19:19

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

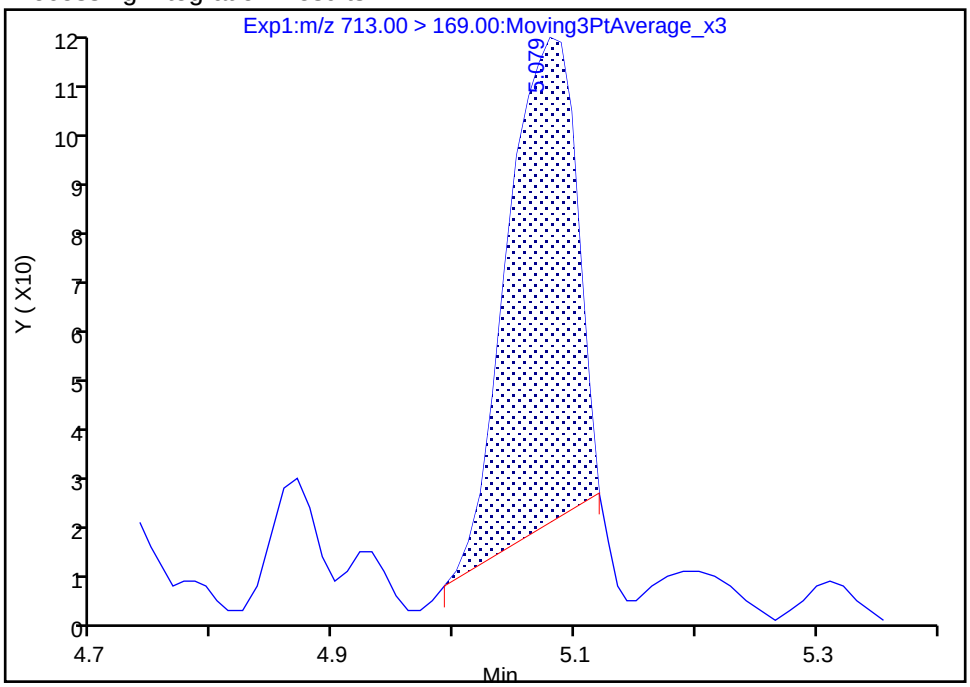
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Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

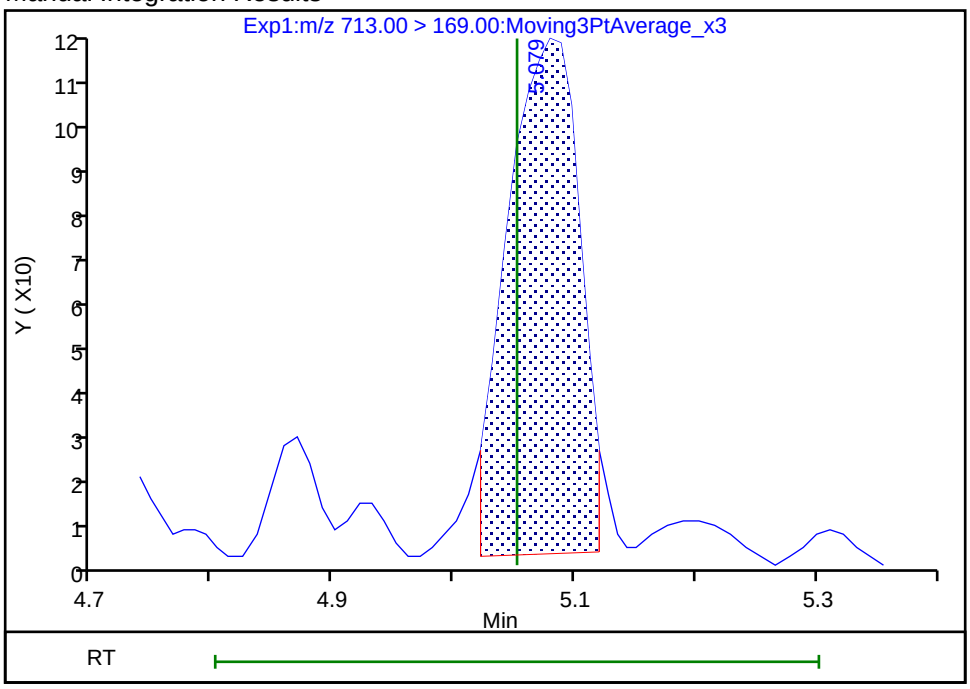
Processing Integration Results

RT: 5.08
Area: 393
Amount: 0.002396
Amount Units: ng/ml



Manual Integration Results

RT: 5.08
Area: 480
Amount: 0.002963
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:19:21

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

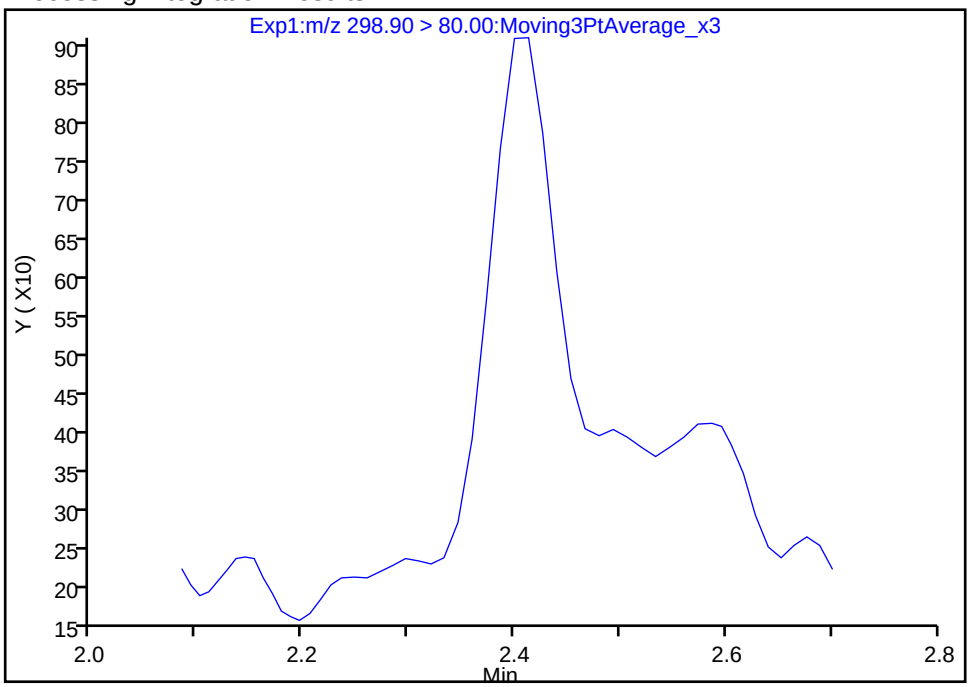
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B17.d				
Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

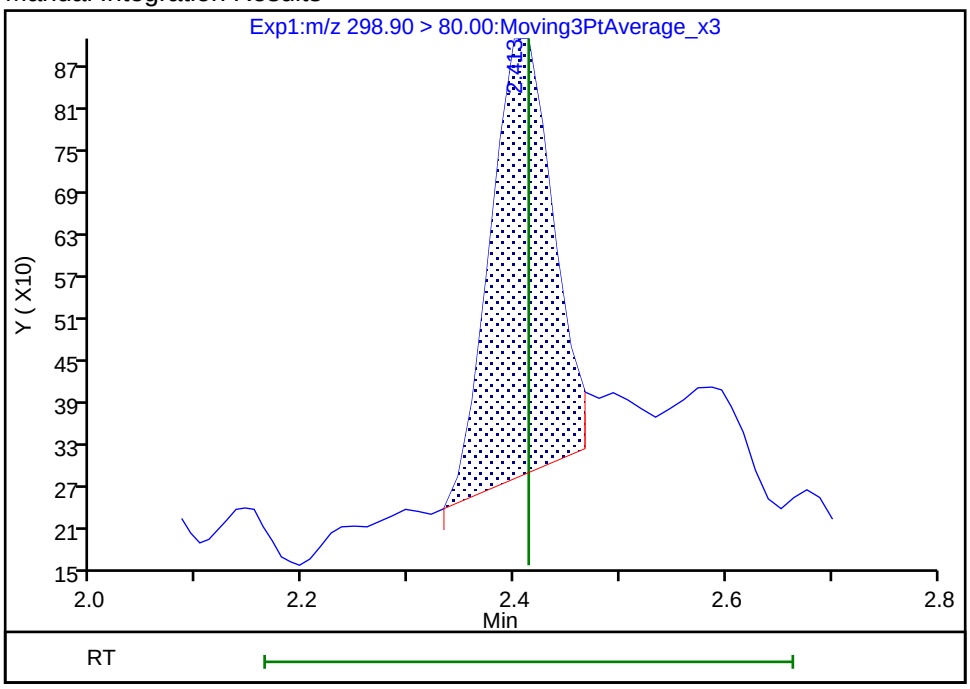
Not Detected
Expected RT: 2.41

Processing Integration Results



Manual Integration Results

RT: 2.41
Area: 2573
Amount: 0.001605
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:13:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

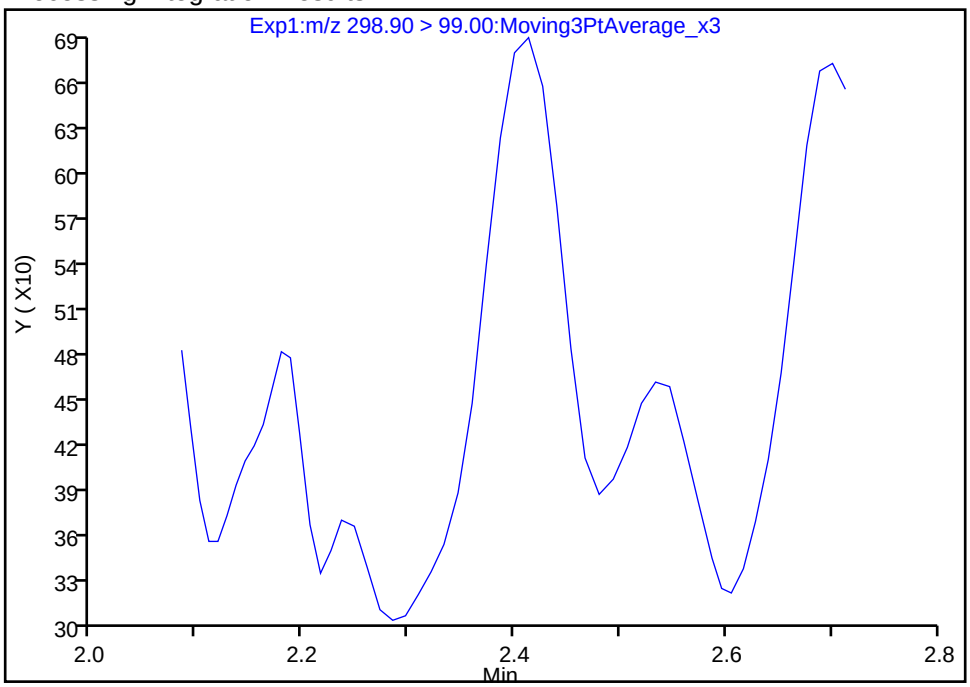
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Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

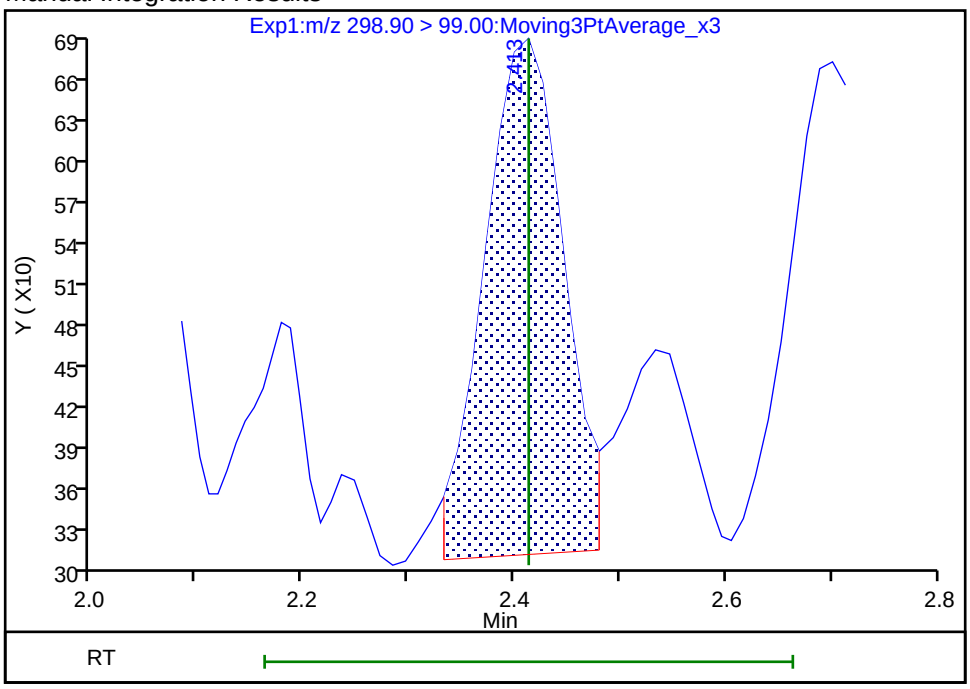
Not Detected
Expected RT: 2.41

Processing Integration Results



Manual Integration Results

RT: 2.41
Area: 1948
Amount: 0.001605
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:13:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

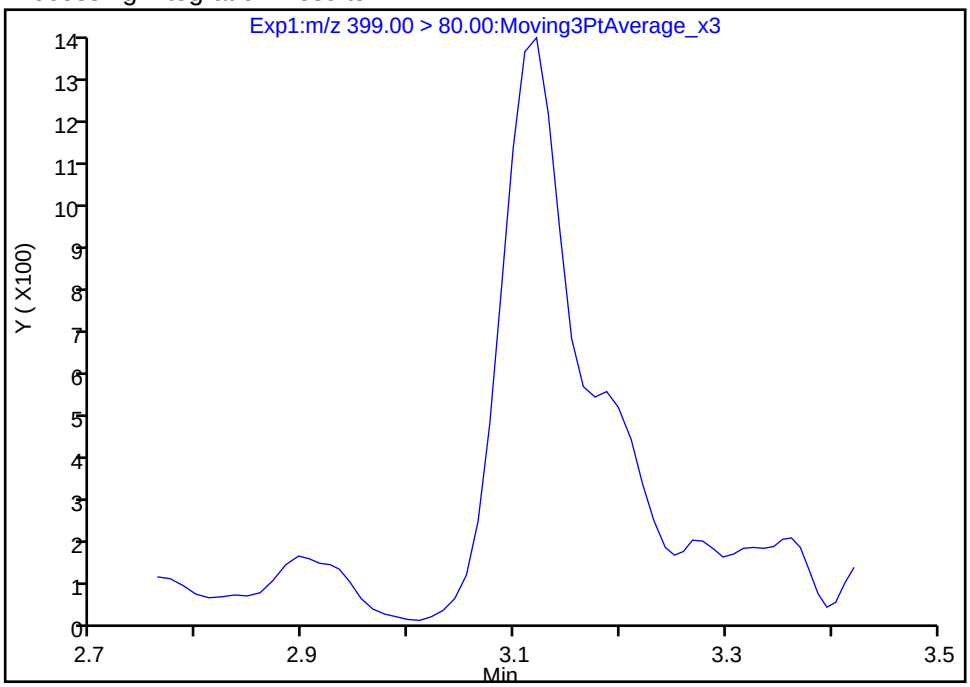
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B17.d				
Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

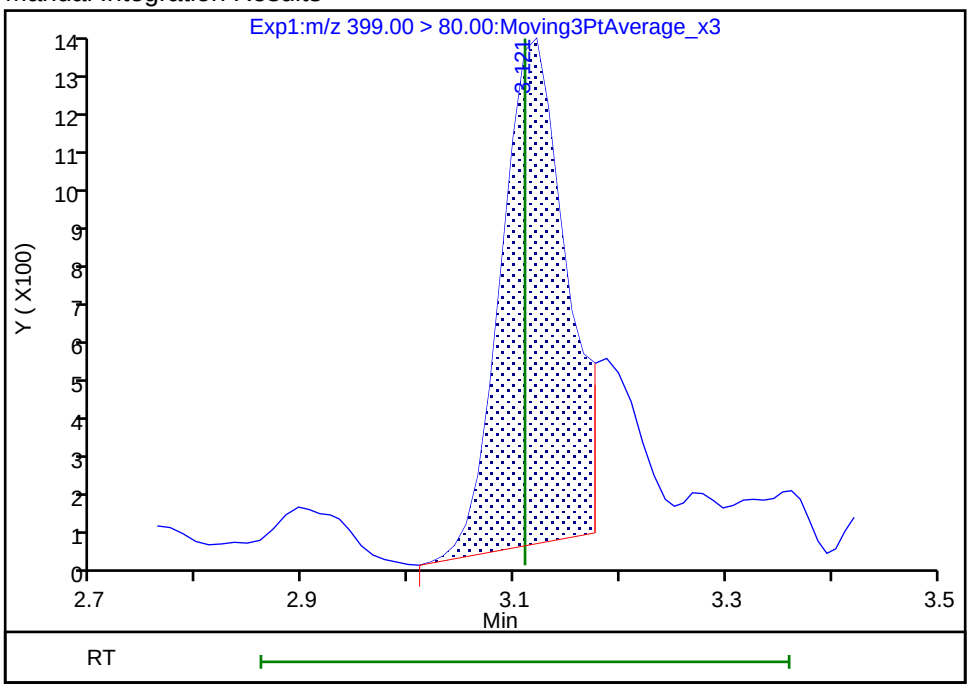
Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results

RT: 3.12
Area: 5257
Amount: 0.004451
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:13:57
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

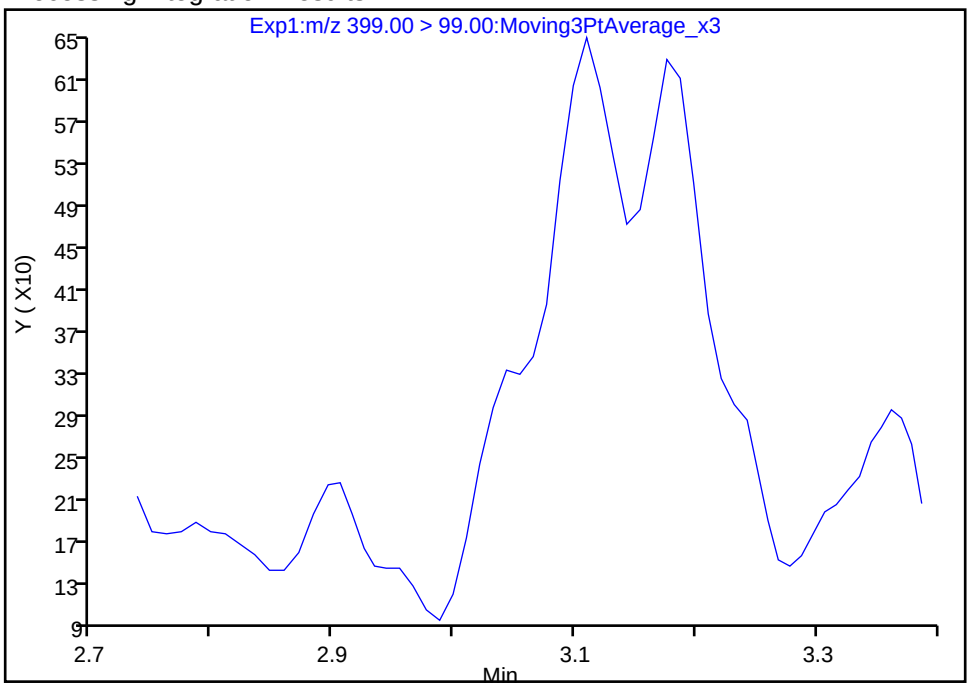
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B17.d				
Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

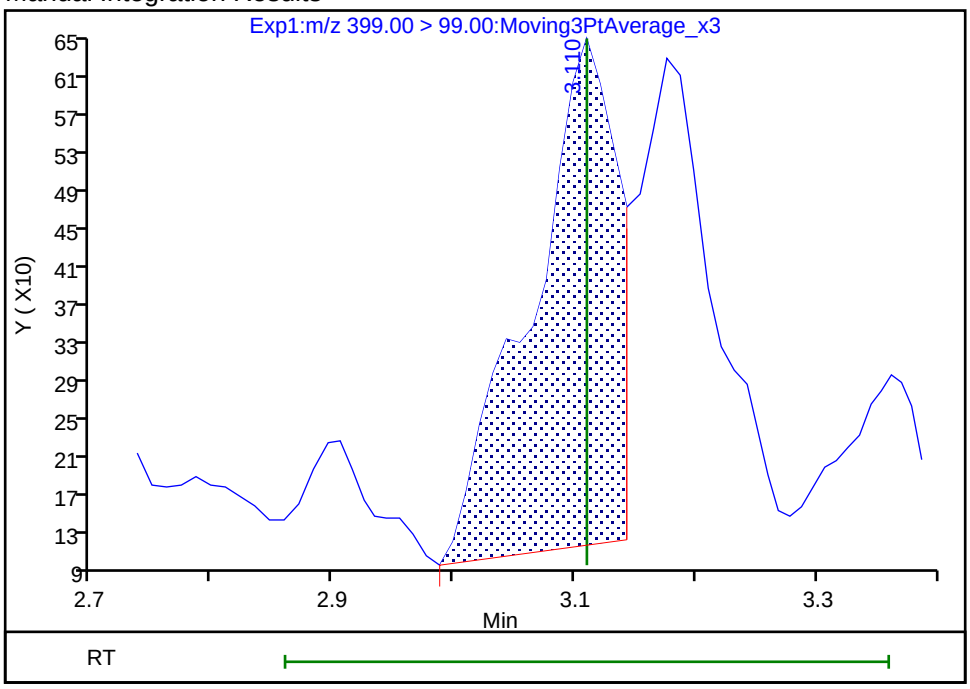
Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results

RT: 3.11
Area: 2616
Amount: 0.004451
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:14:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

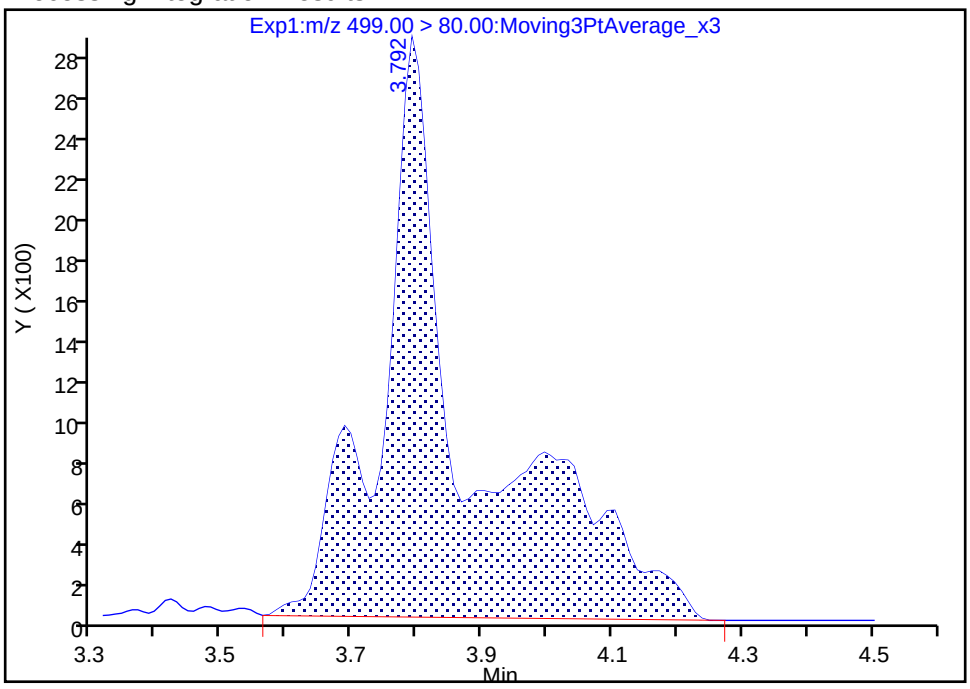
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Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

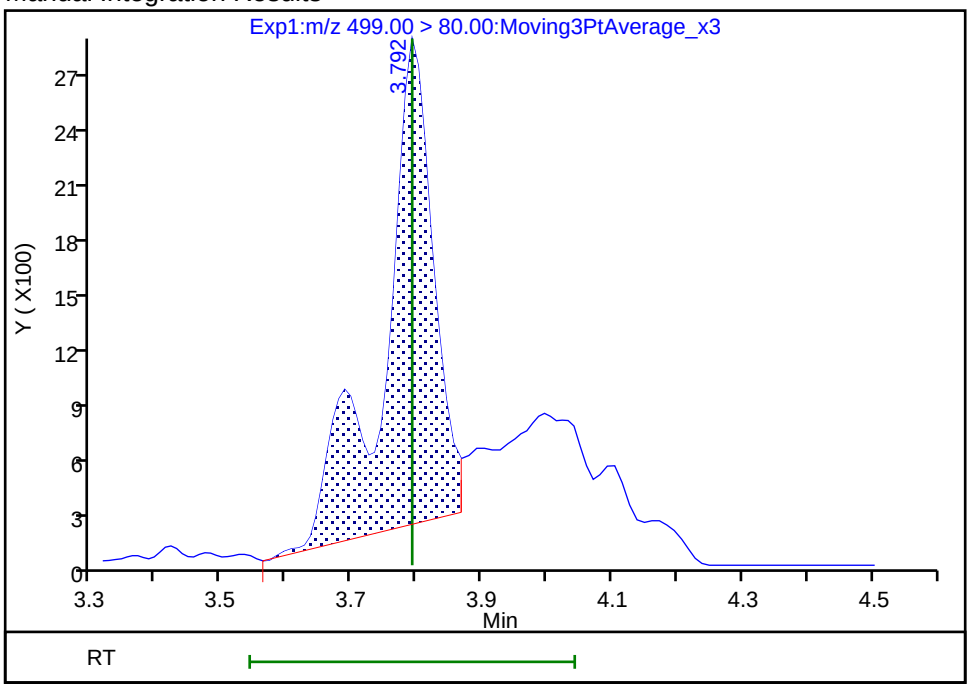
Processing Integration Results

RT: 3.79
Area: 27732
Amount: 0.016299
Amount Units: ng/ml



Manual Integration Results

RT: 3.79
Area: 14121
Amount: -0.000614
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:16:29

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

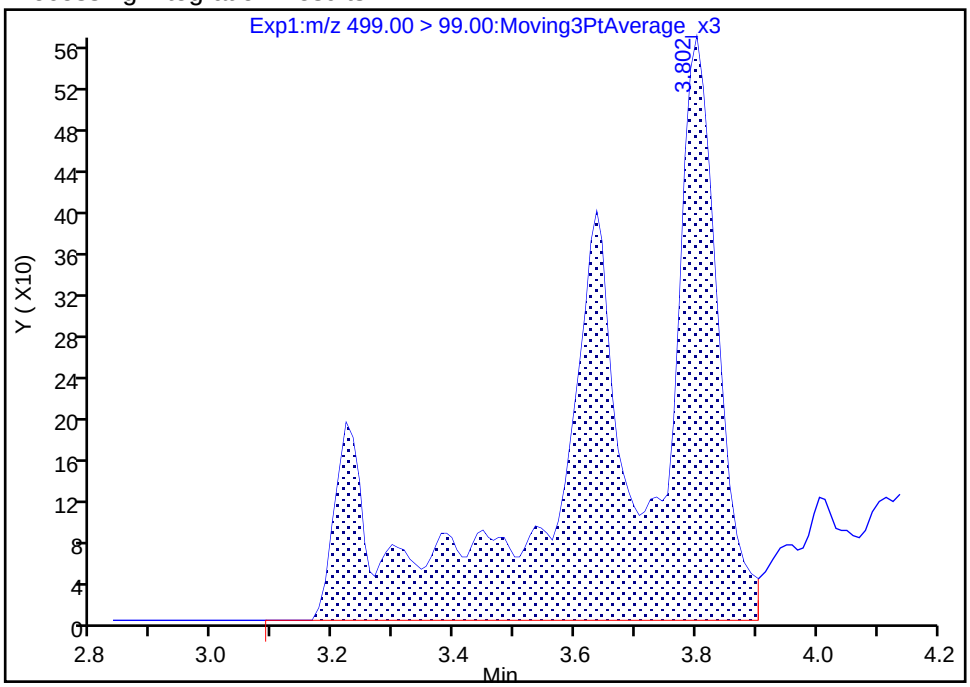
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B17.d				
Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

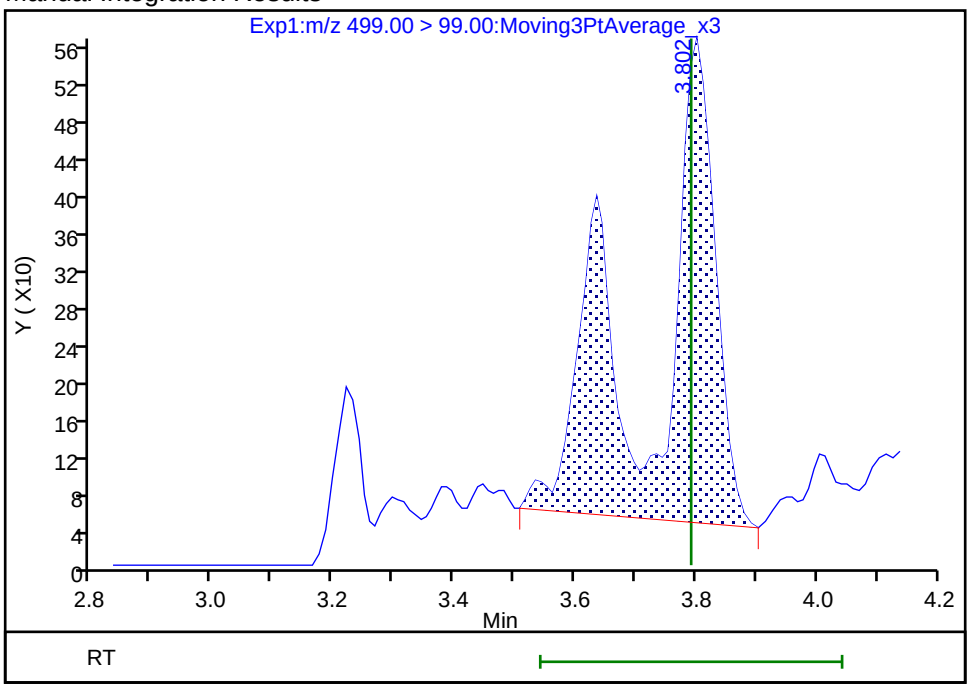
Processing Integration Results

RT: 3.80
Area: 6405
Amount: 0.016299
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 3628
Amount: -0.000614
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:43:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

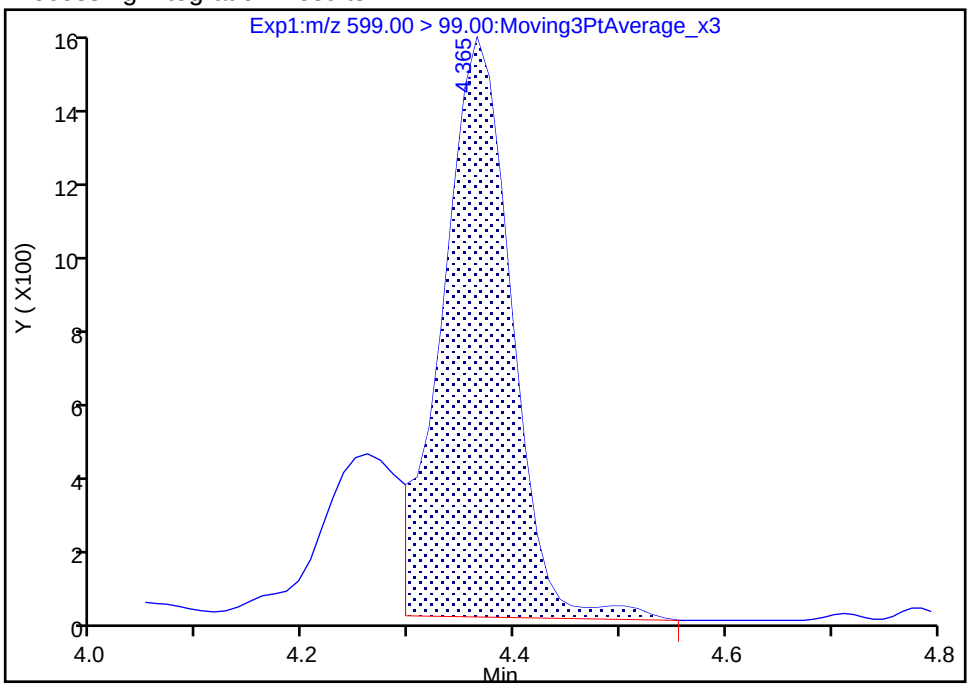
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B17.d				
Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

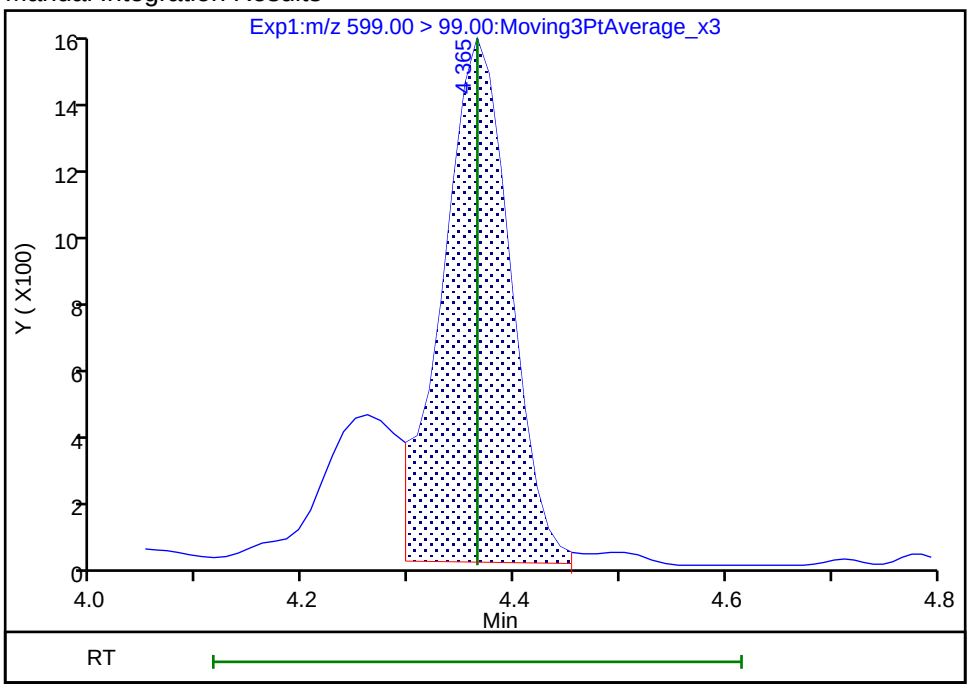
Processing Integration Results

RT: 4.36
Area: 6846
Amount: 0.024793
Amount Units: ng/ml



Manual Integration Results

RT: 4.36
Area: 6701
Amount: 0.025008
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:17:41

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

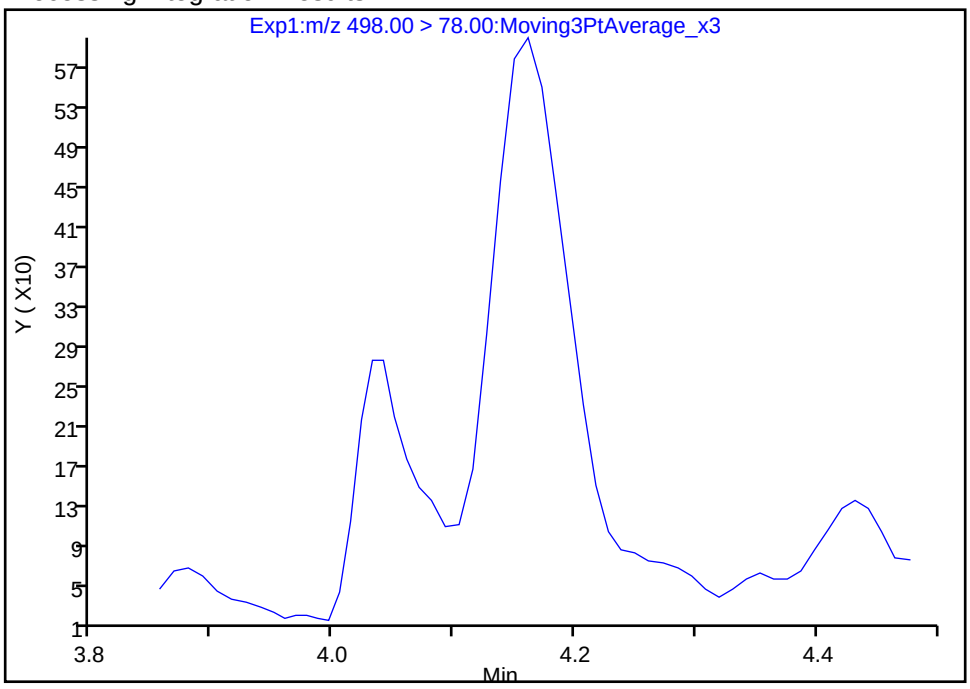
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B17.d				
Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

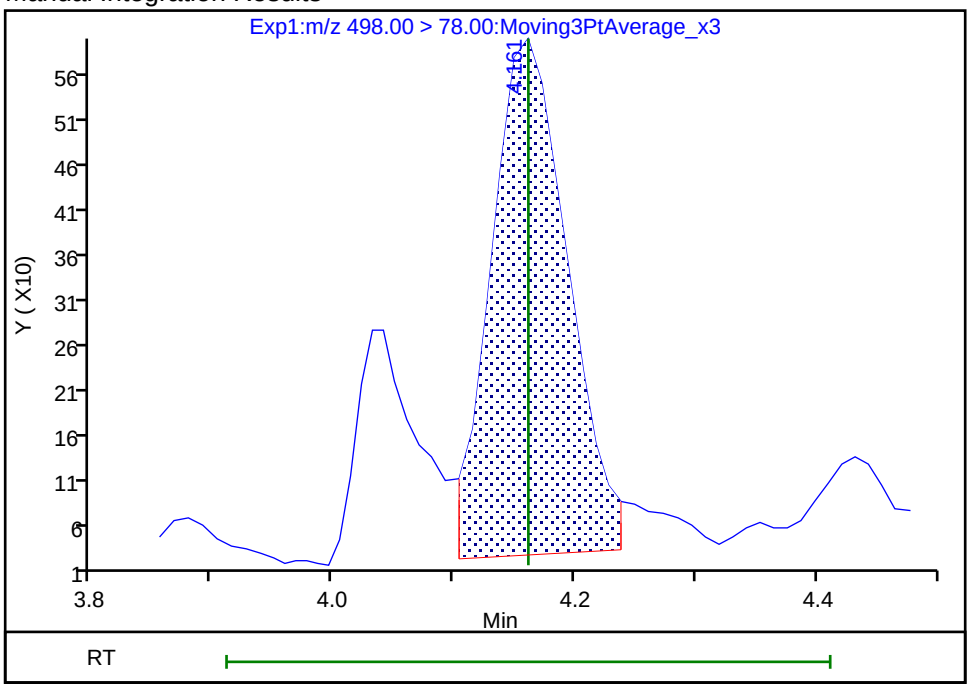
Not Detected
Expected RT: 4.16

Processing Integration Results



Manual Integration Results

RT: 4.16
Area: 2487
Amount: 0.002078
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:17:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

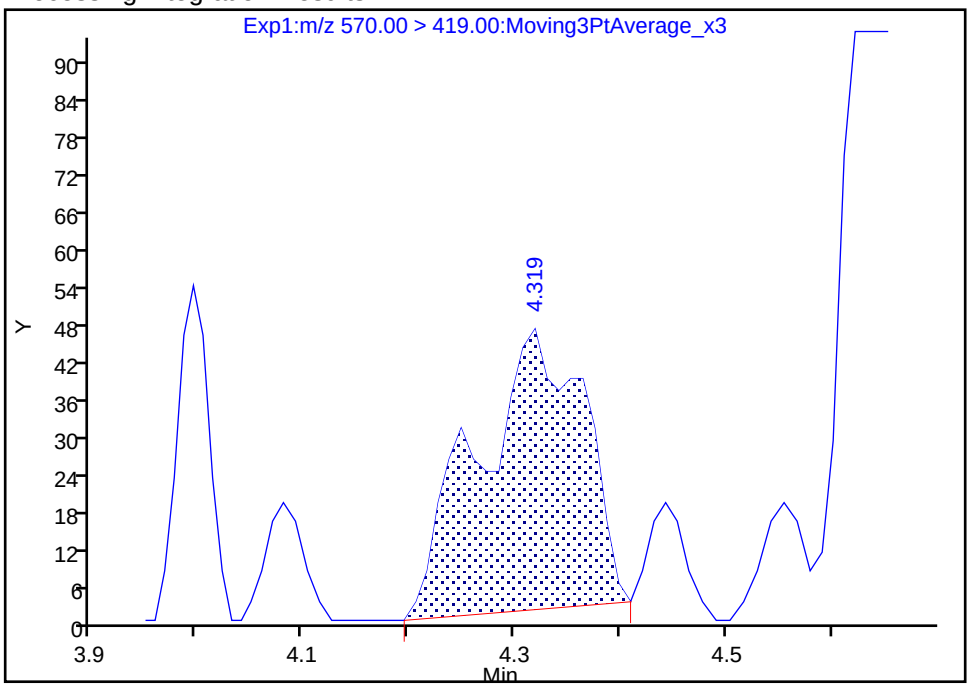
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B17.d				
Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

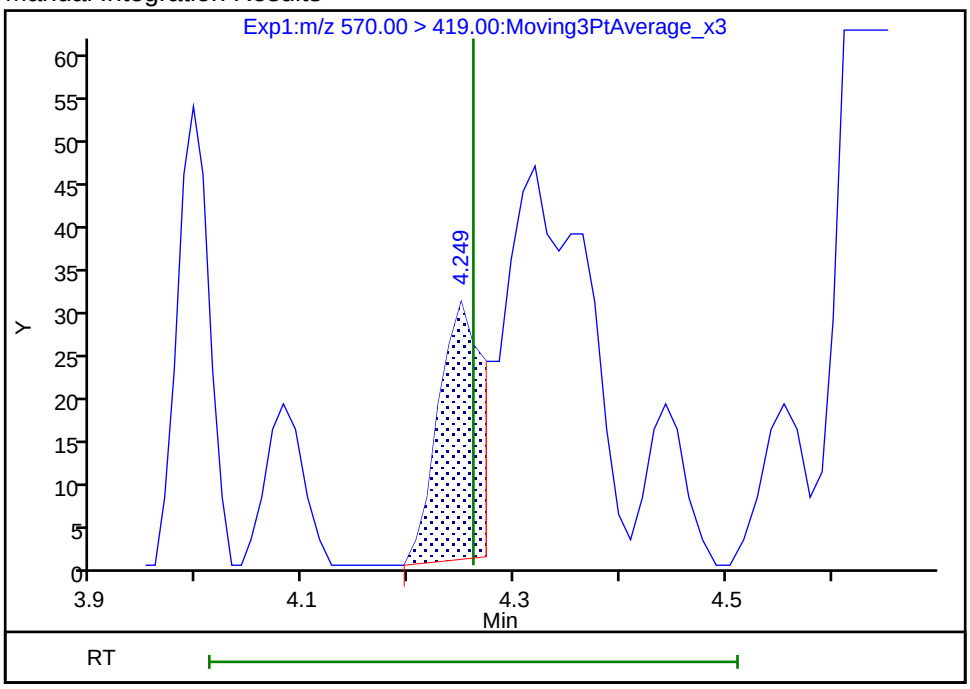
Processing Integration Results

RT: 4.32
Area: 318
Amount: 0.002259
Amount Units: ng/ml



Manual Integration Results

RT: 4.25
Area: 81
Amount: 0.000575
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:17:36

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

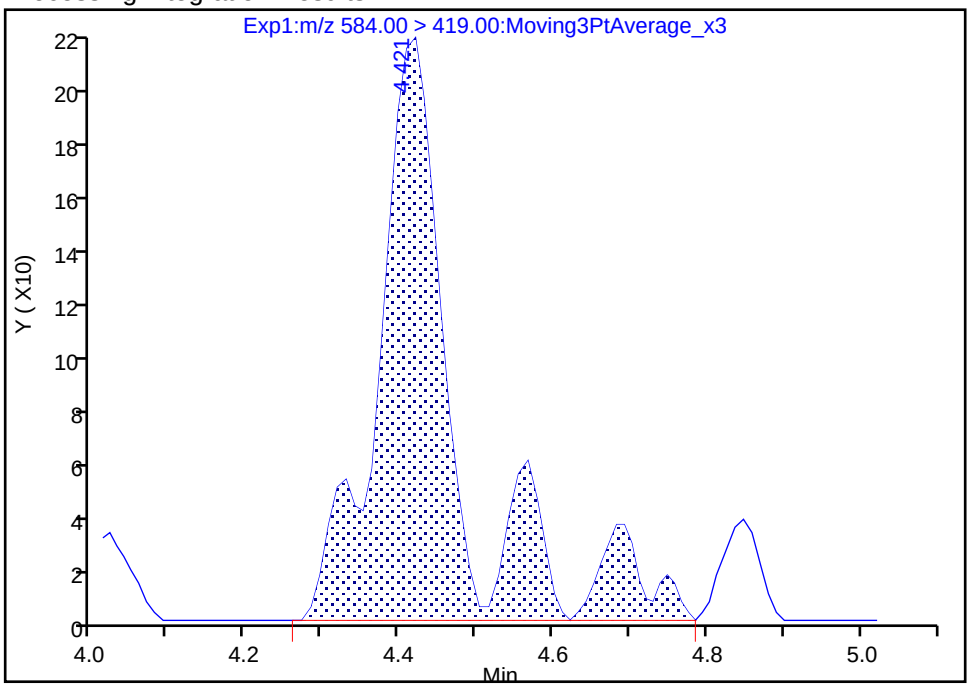
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B17.d				
Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

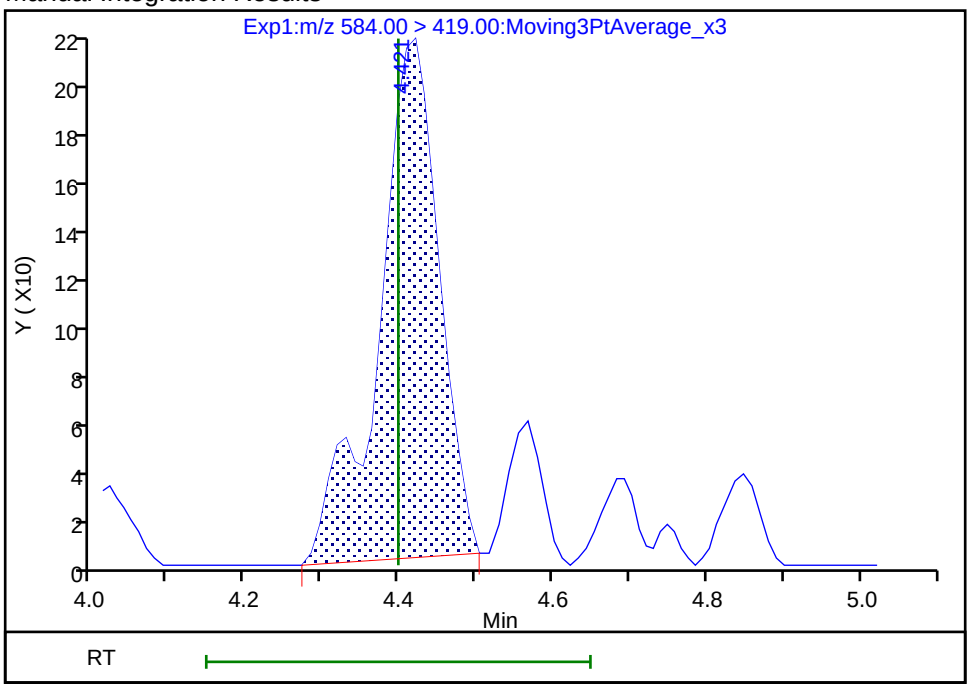
Processing Integration Results

RT: 4.42
Area: 1554
Amount: 0.010329
Amount Units: ng/ml



Manual Integration Results

RT: 4.42
Area: 1177
Amount: 0.007823
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:18:03

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

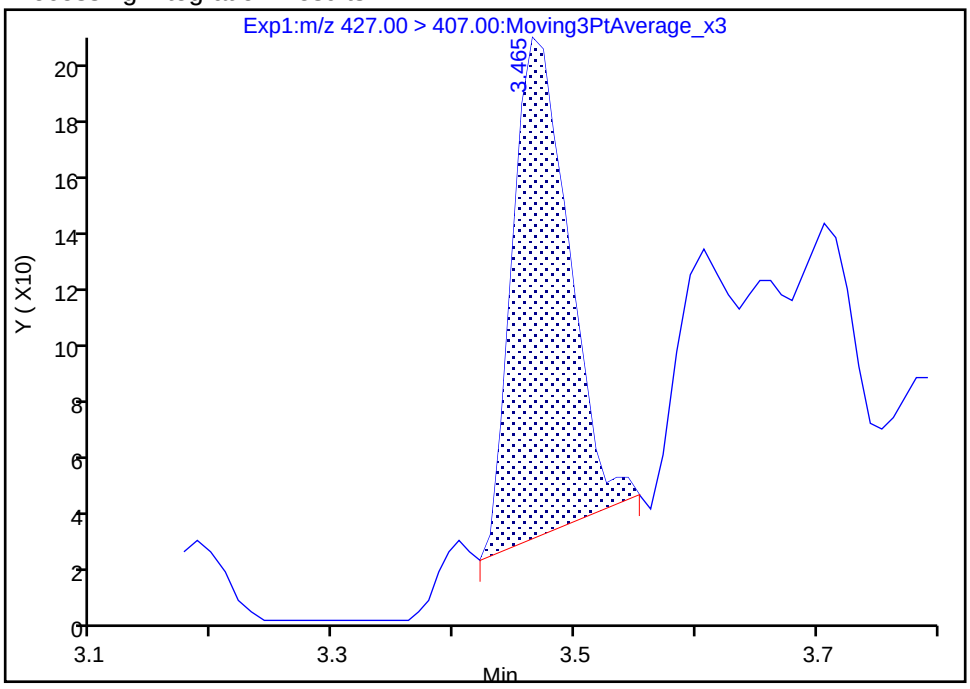
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B17.d				
Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

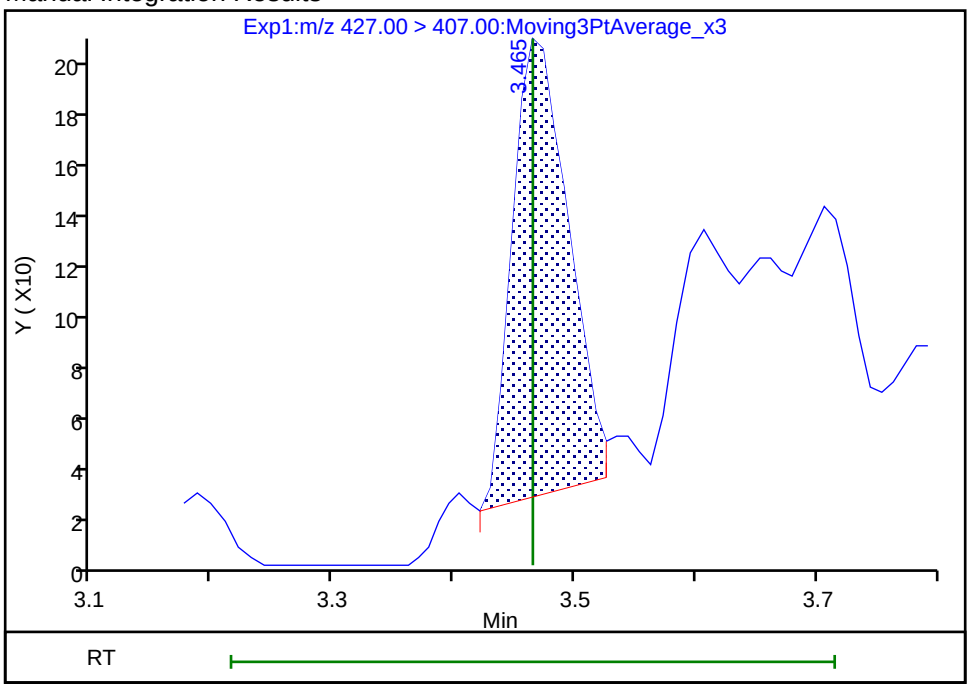
Processing Integration Results

RT: 3.46
Area: 565
Amount: -0.014630
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 569
Amount: -0.014615
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:15:03

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

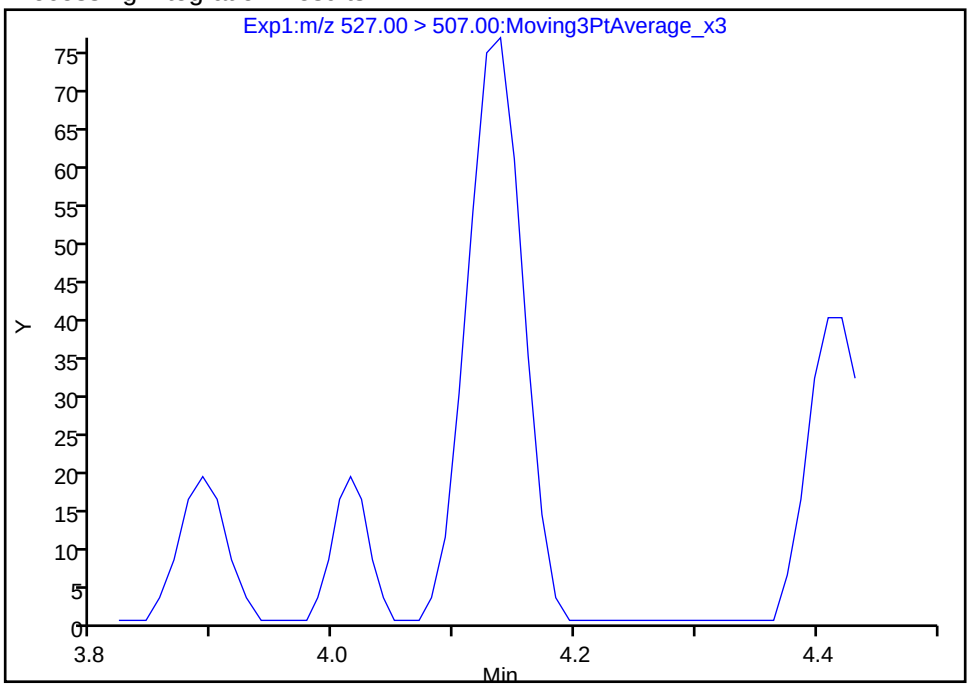
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B17.d				
Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

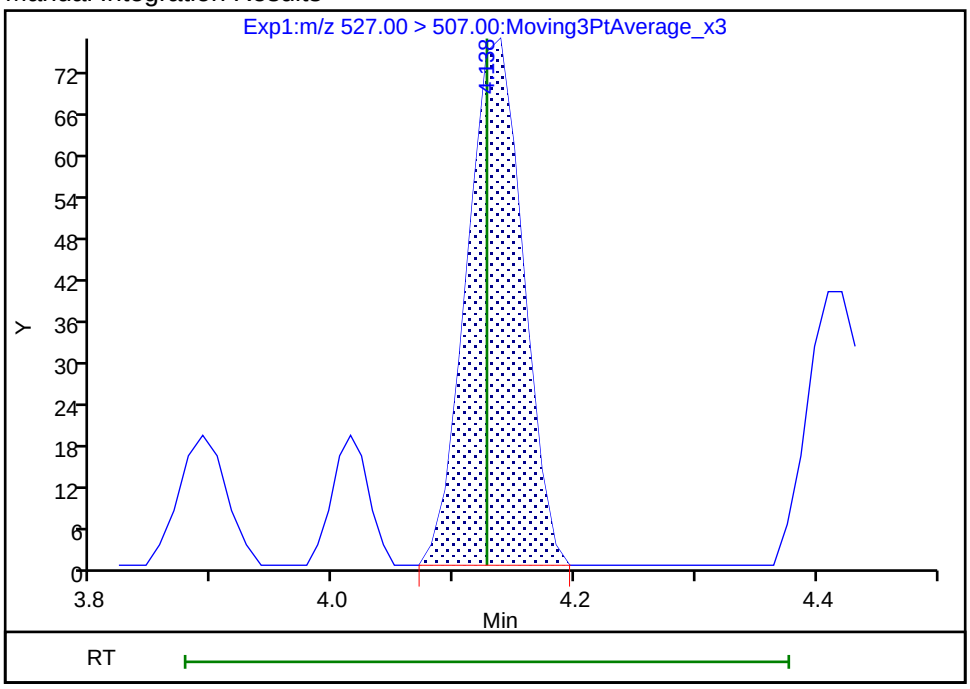
Not Detected
Expected RT: 4.13

Processing Integration Results



Manual Integration Results

RT: 4.14
Area: 248
Amount: 0.001129
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:17:18
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

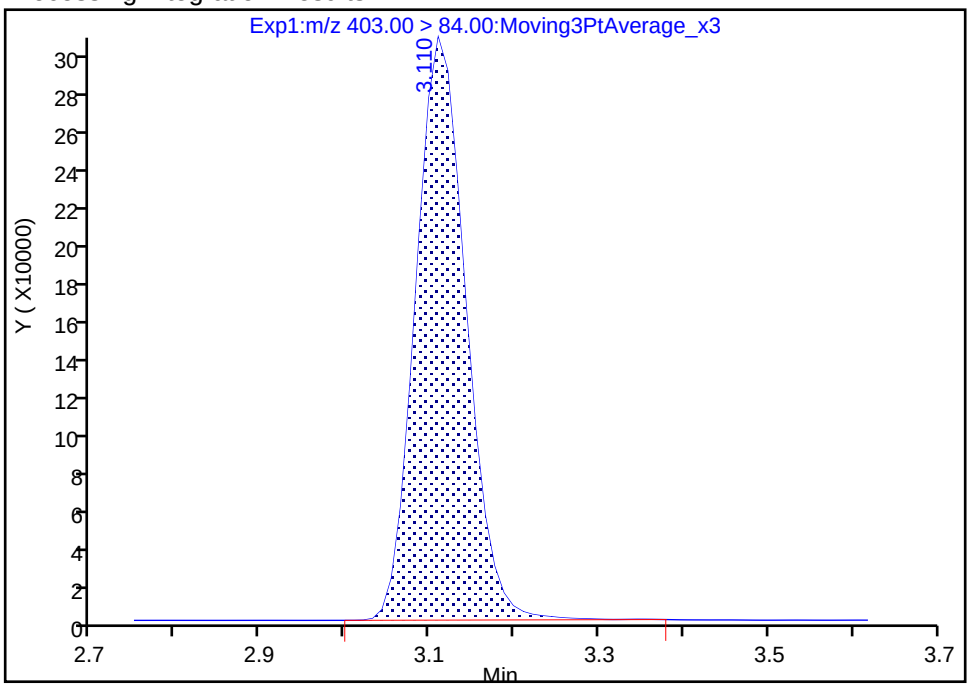
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B17.d				
Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 11 18O2 PFHxS, CAS: STL00994

Signal: 1

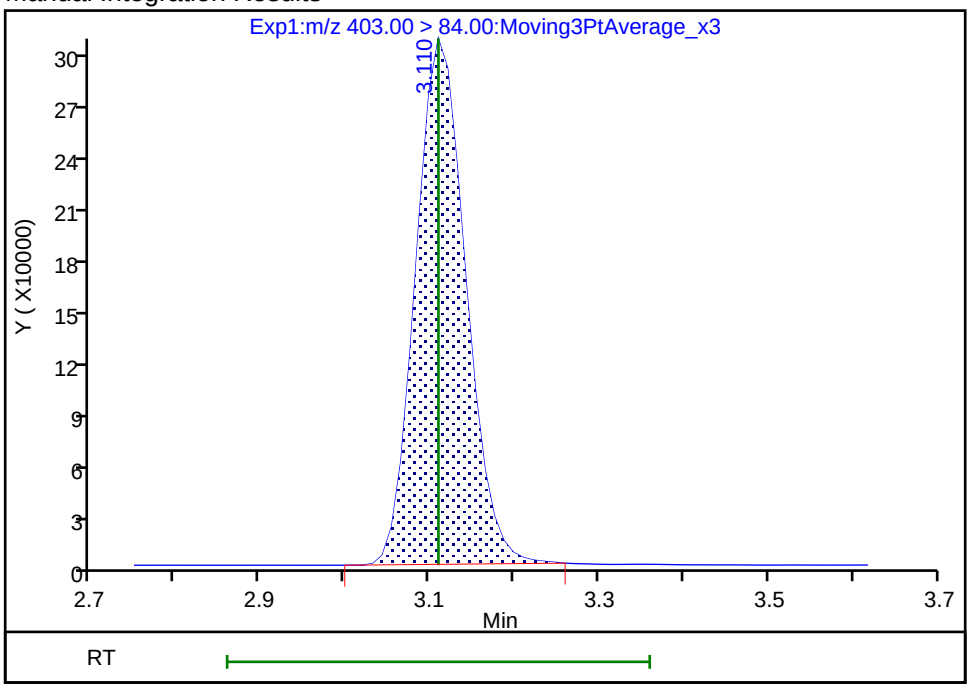
Processing Integration Results

RT: 3.11
Area: 1275371
Amount: 1.135612
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 1266149
Amount: 1.127401
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:42:33

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

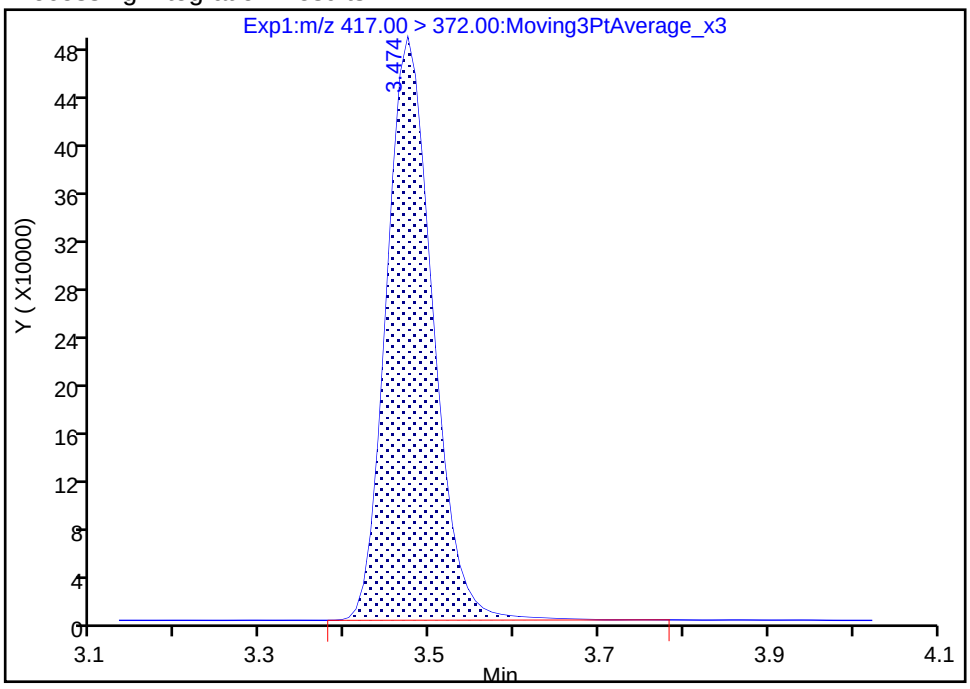
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Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

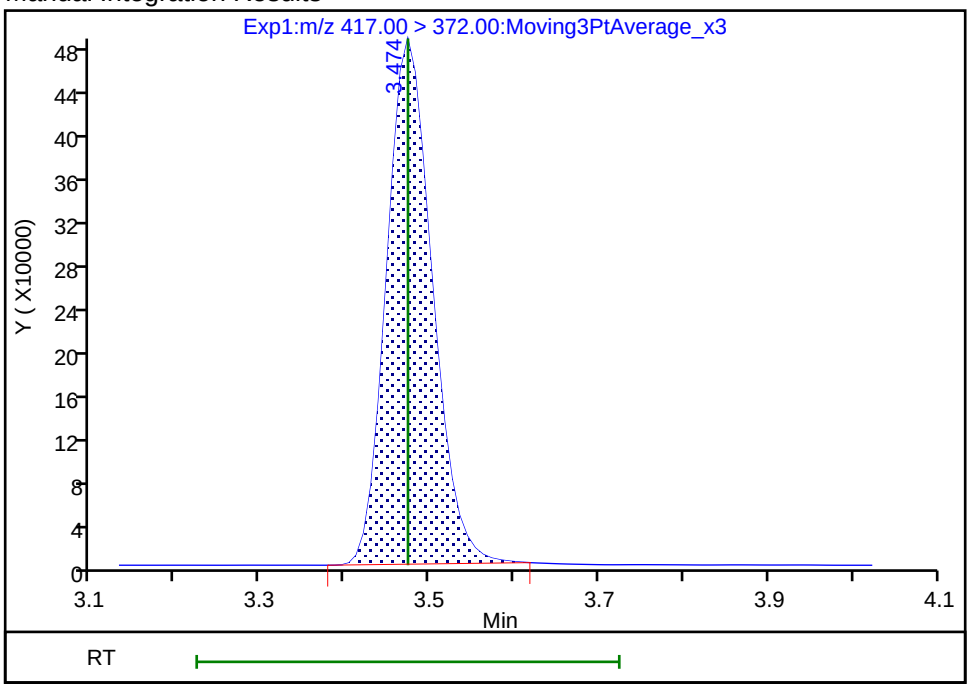
Processing Integration Results

RT: 3.47
Area: 1836025
Amount: 1.253762
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 1815190
Amount: 1.239535
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:42:55

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

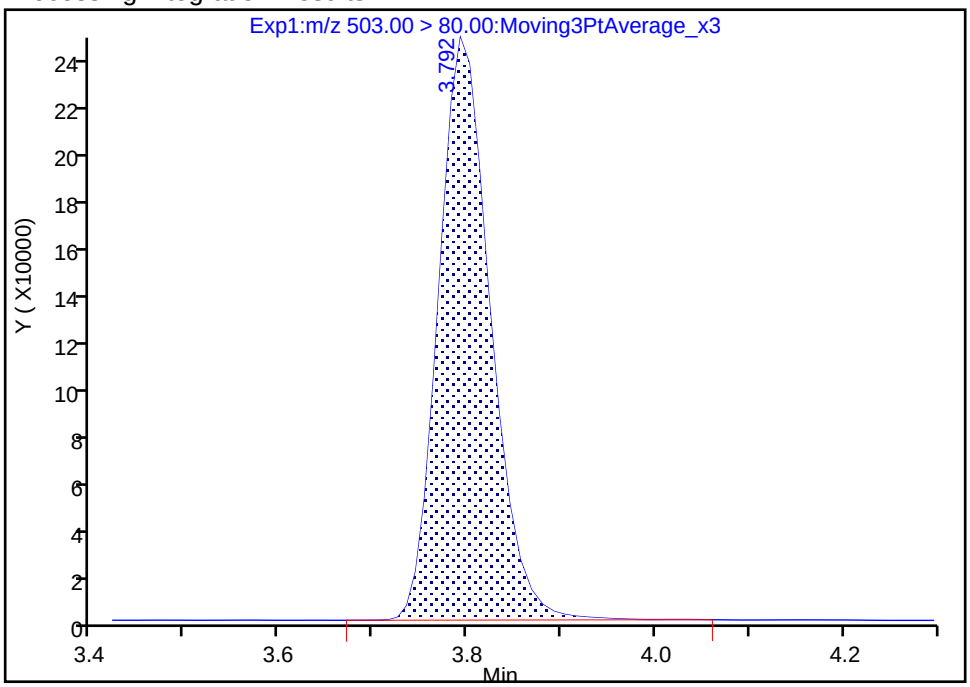
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B17.d				
Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 18 13C4 PFOS, CAS: STL00991

Signal: 1

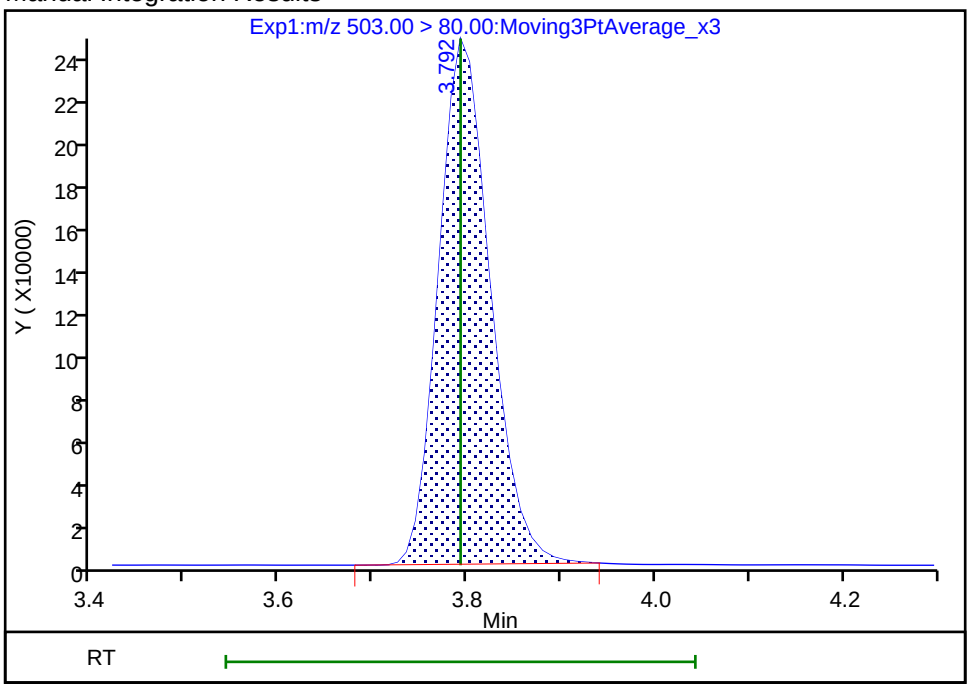
Processing Integration Results

RT: 3.79
Area: 957916
Amount: 1.142293
Amount Units: ng/ml



Manual Integration Results

RT: 3.79
Area: 949714
Amount: 1.132513
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:43:10

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

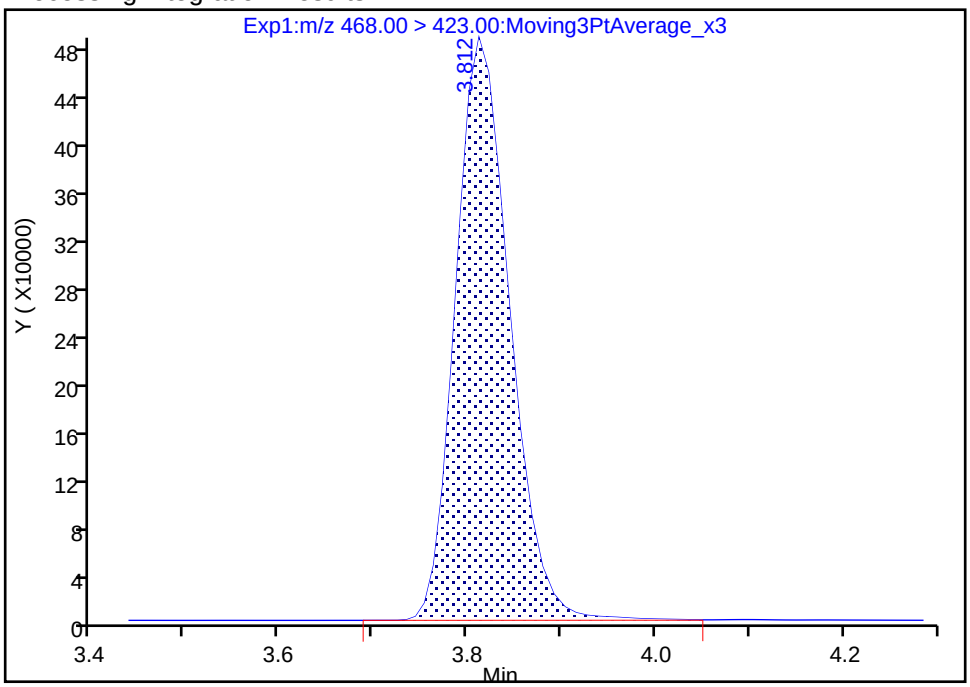
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B17.d				
Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

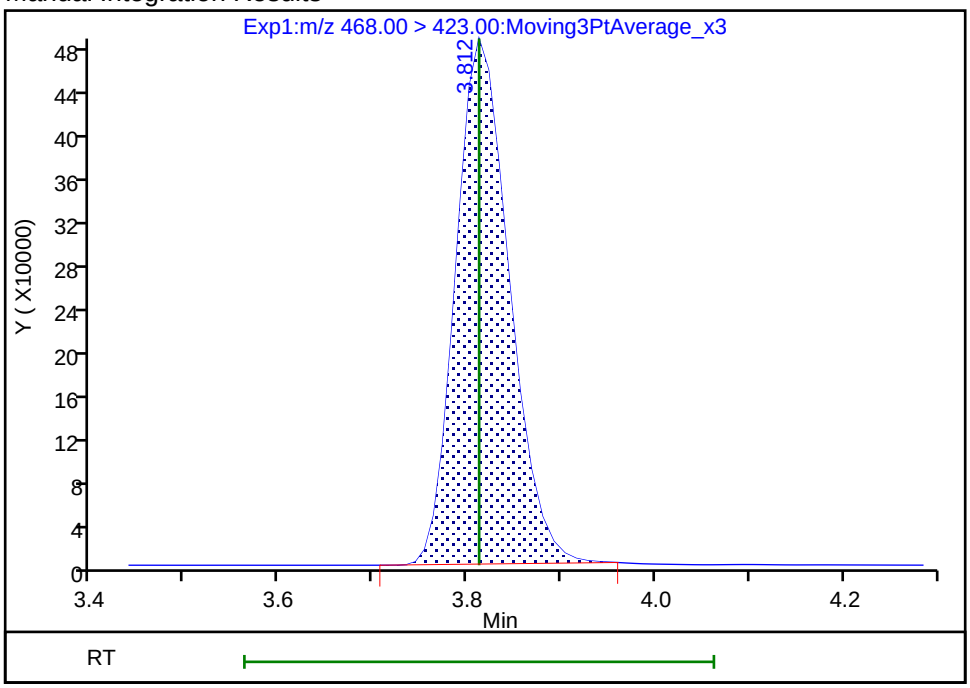
Processing Integration Results

RT: 3.81
Area: 1935664
Amount: 1.273194
Amount Units: ng/ml



Manual Integration Results

RT: 3.81
Area: 1911688
Amount: 1.257424
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:43:16

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

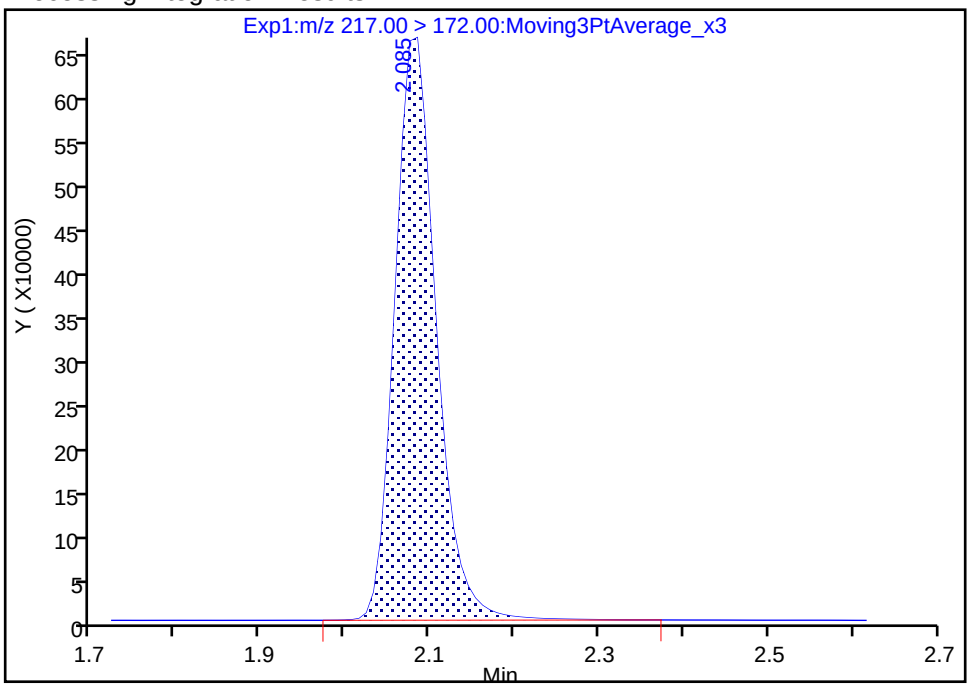
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B17.d		
Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8
Client ID:	BCS-09-39 (6-6.5)P		
Operator ID:	lc812tech	ALS Bottle#:	17 Worklist Smp#: 17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

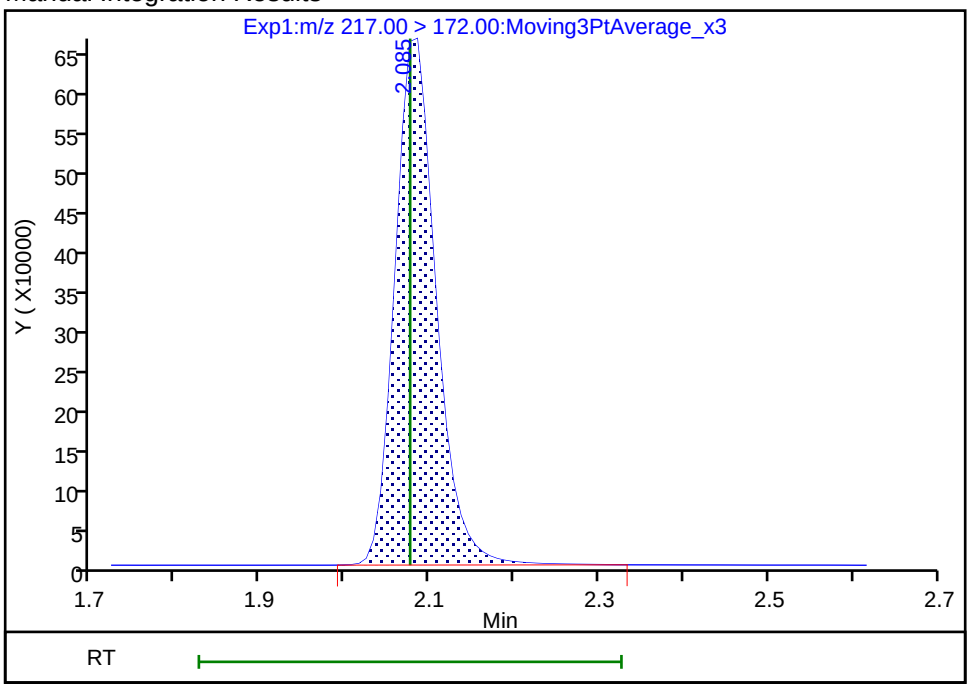
Processing Integration Results

RT: 2.08
Area: 2236279
Amount: 1.246389
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 2234493
Amount: 1.245394
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:40:24

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

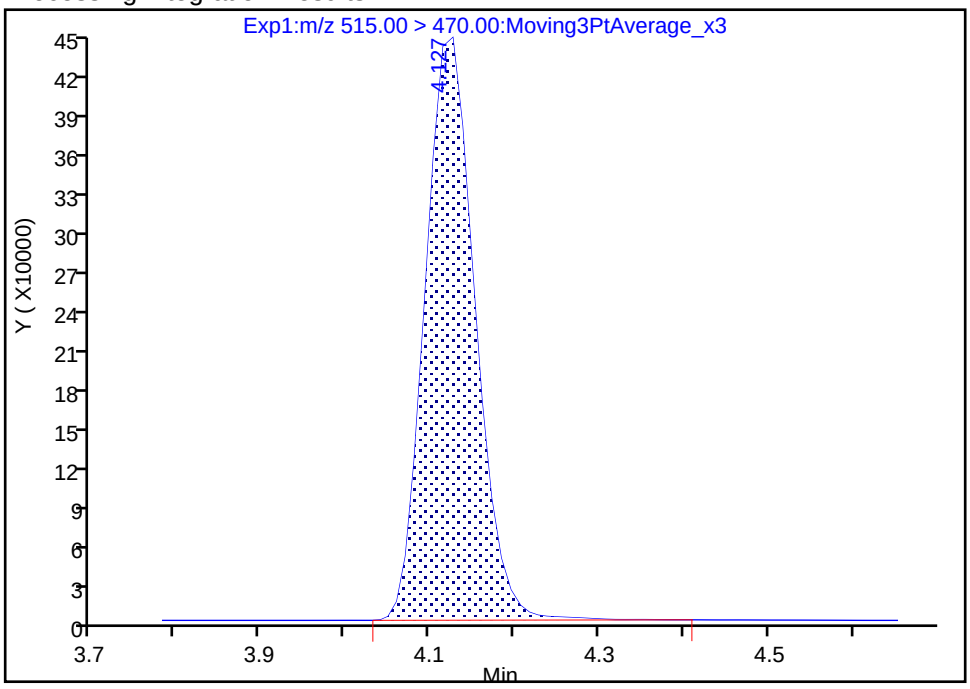
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B17.d				
Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

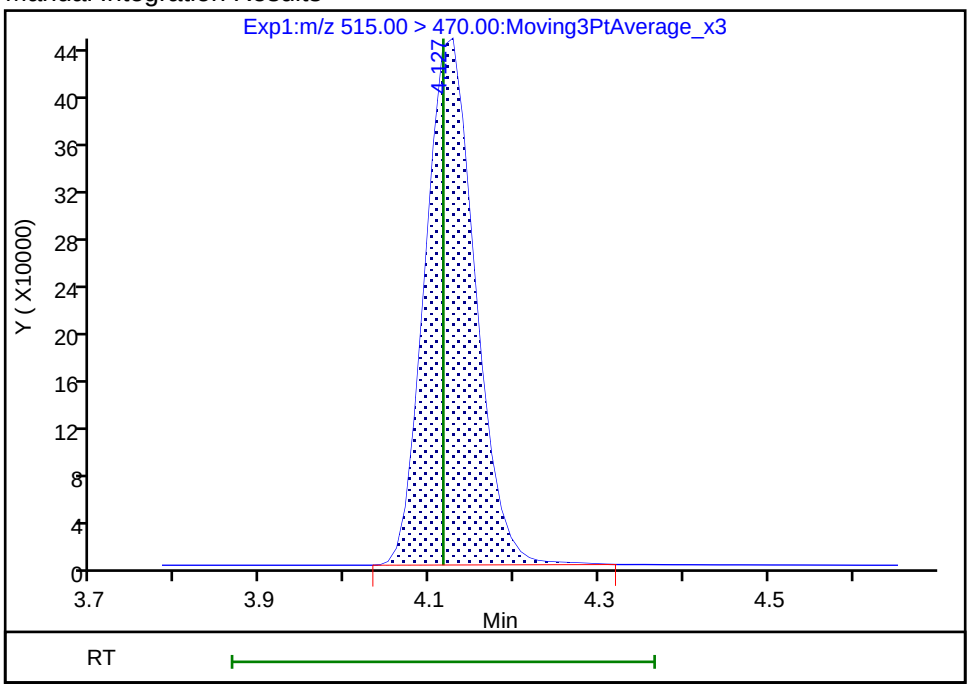
Processing Integration Results

RT: 4.13
Area: 1838641
Amount: 1.242637
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 1835418
Amount: 1.240458
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:10:44

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

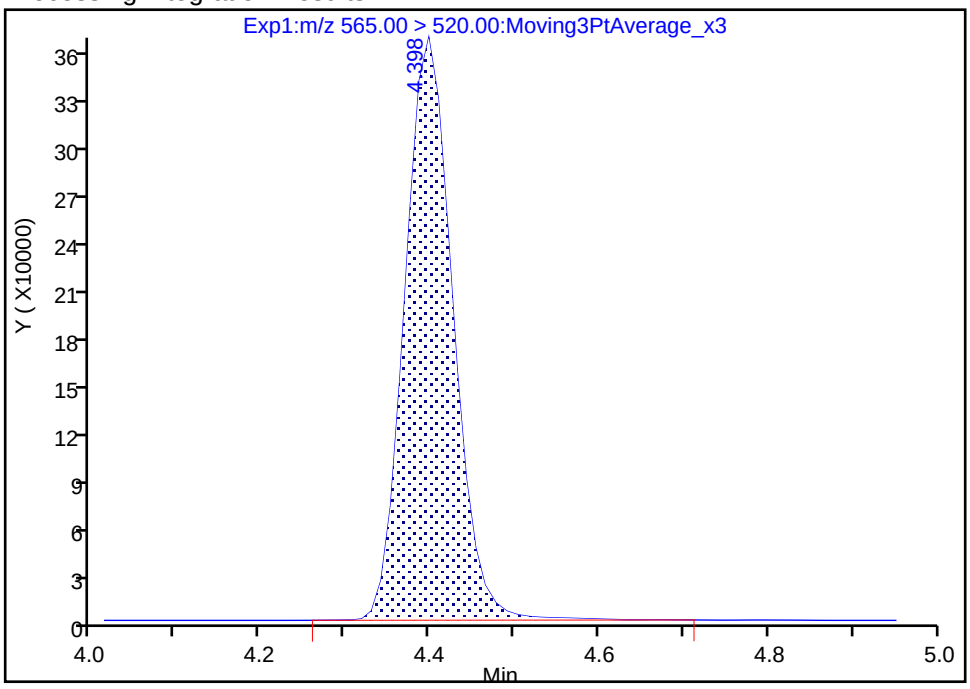
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B17.d				
Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

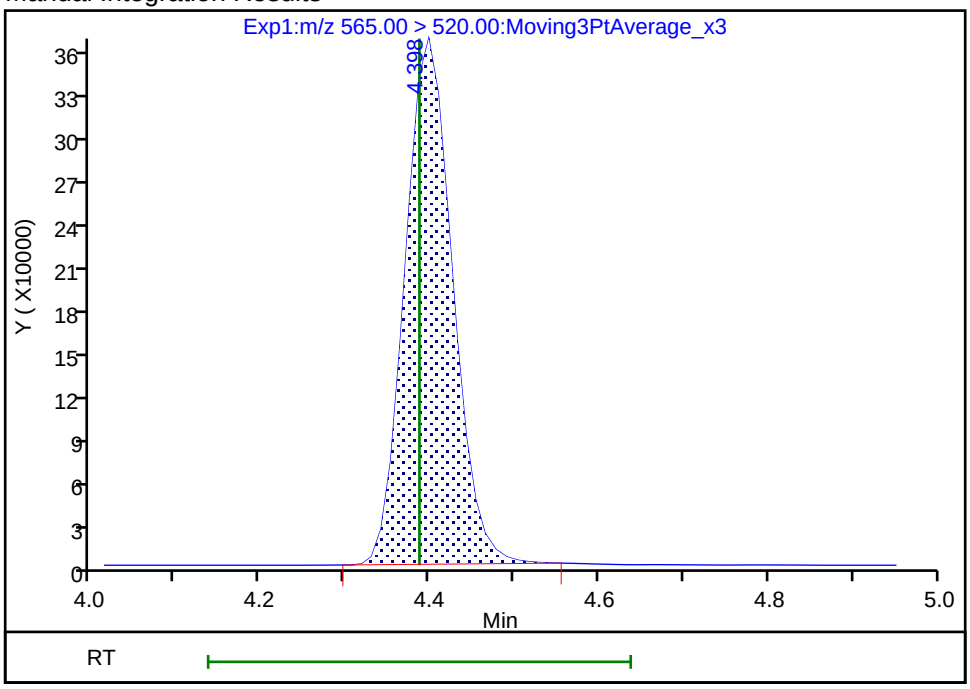
Processing Integration Results

RT: 4.40
Area: 1458647
Amount: 1.301108
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 1443538
Amount: 1.287630
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:44:26

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

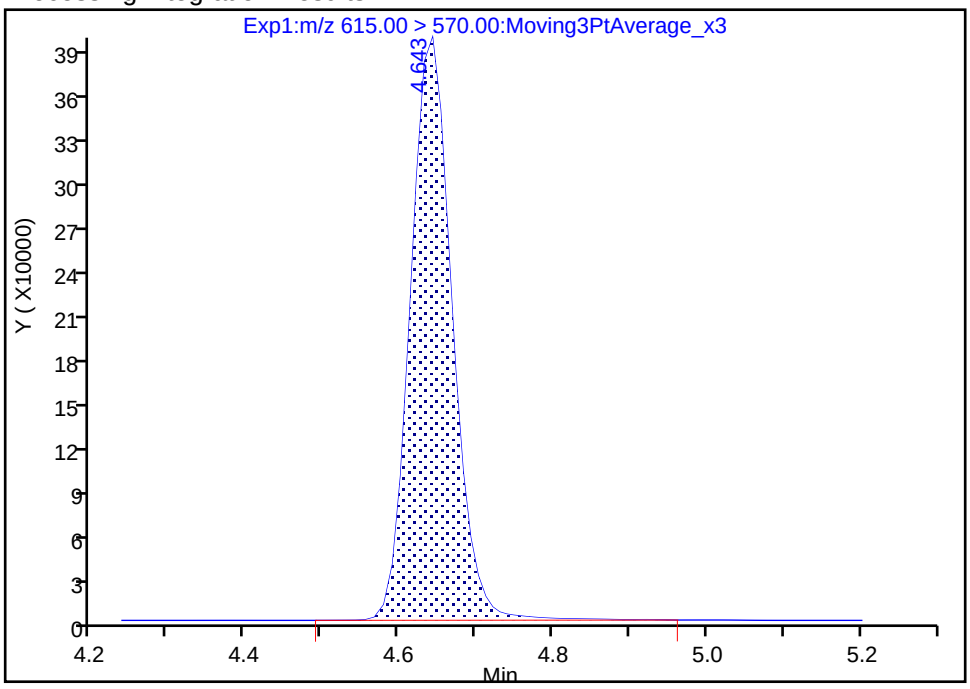
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B17.d				
Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 36 13C2 PFDoA, CAS: STL00998

Signal: 1

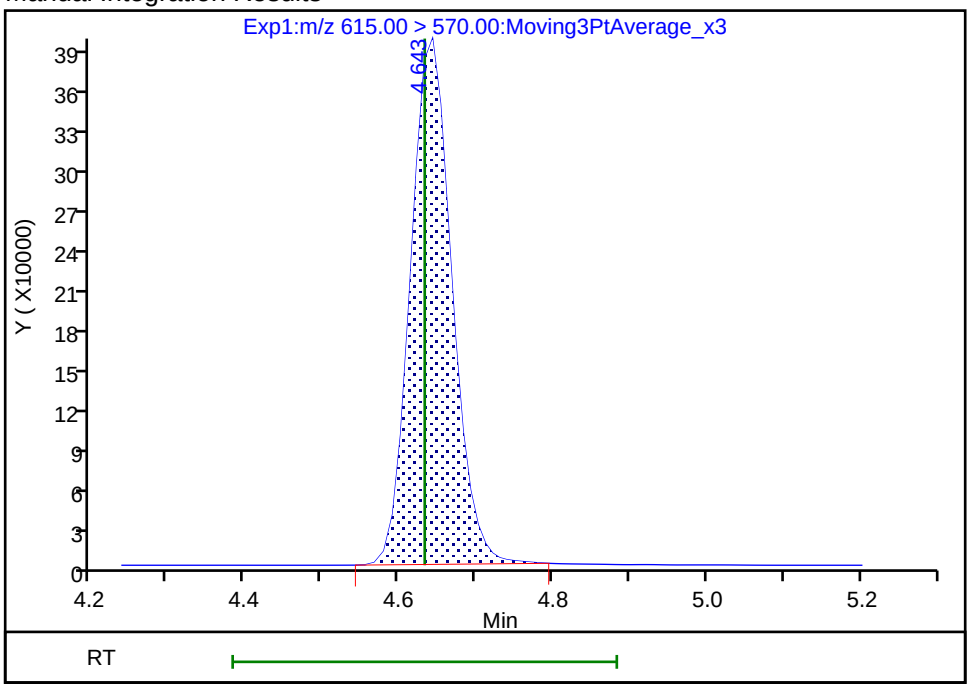
Processing Integration Results

RT: 4.64
Area: 1492736
Amount: 1.284947
Amount Units: ng/ml



Manual Integration Results

RT: 4.64
Area: 1477408
Amount: 1.271752
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:44:36

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

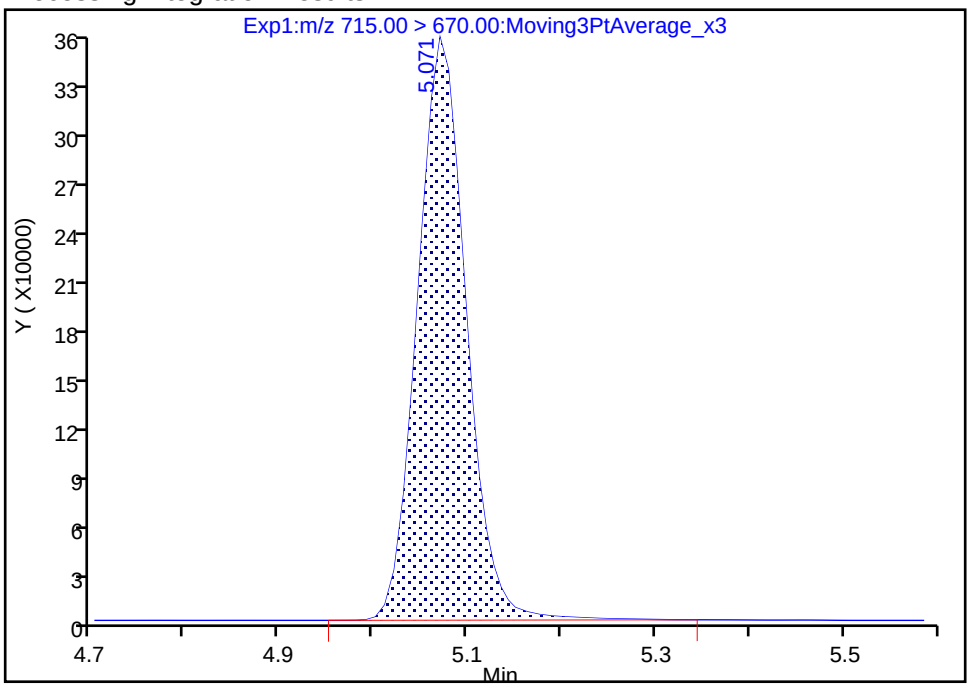
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B17.d				
Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

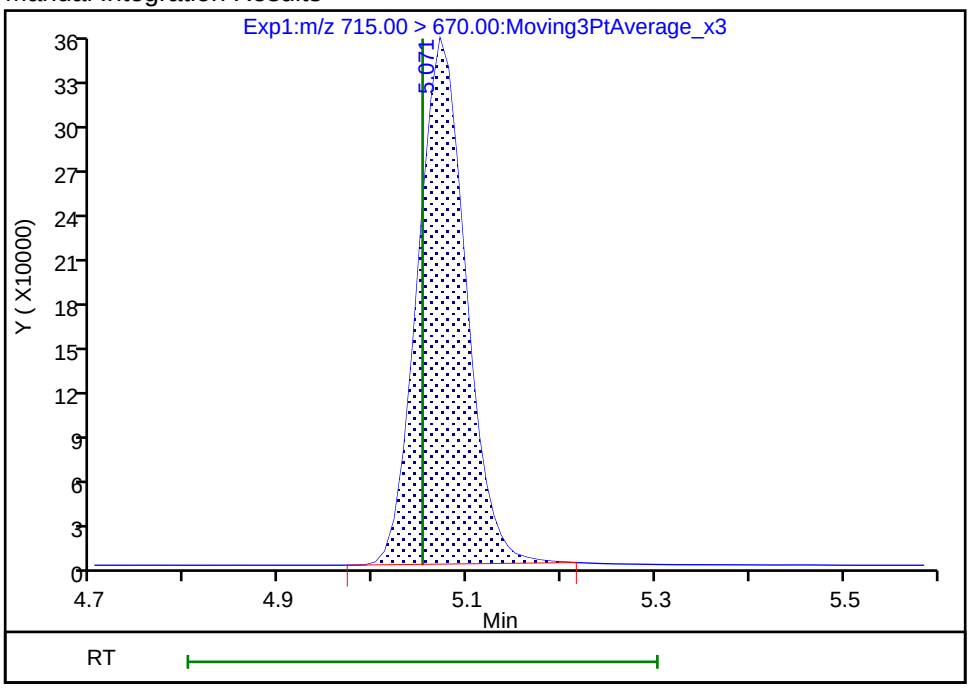
Processing Integration Results

RT: 5.07
Area: 1279693
Amount: 1.347520
Amount Units: ng/ml



Manual Integration Results

RT: 5.07
Area: 1264154
Amount: 1.331158
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:44:48

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

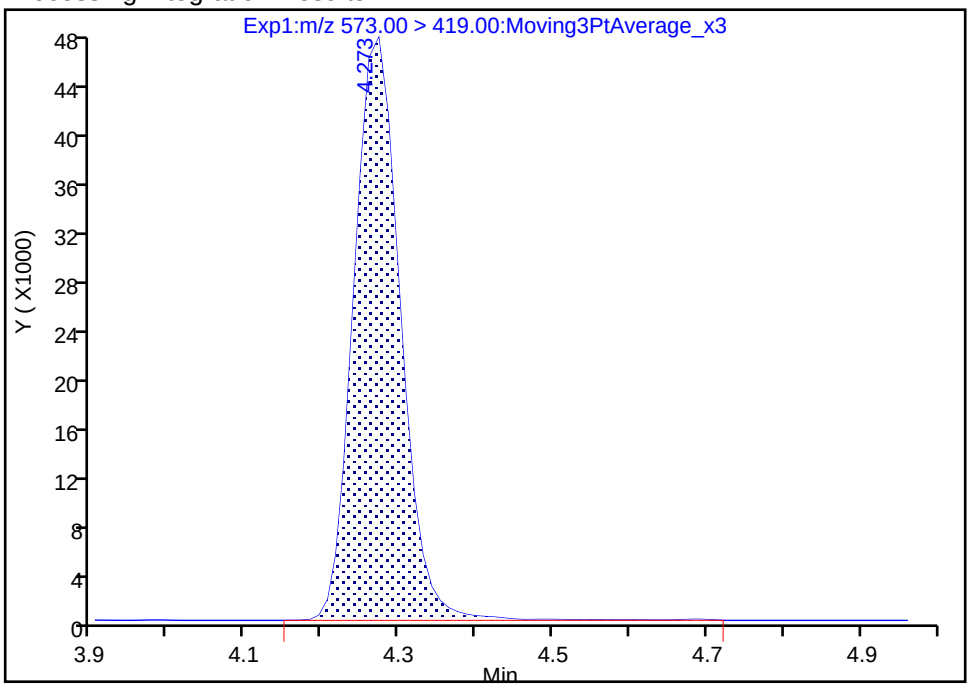
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B17.d				
Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

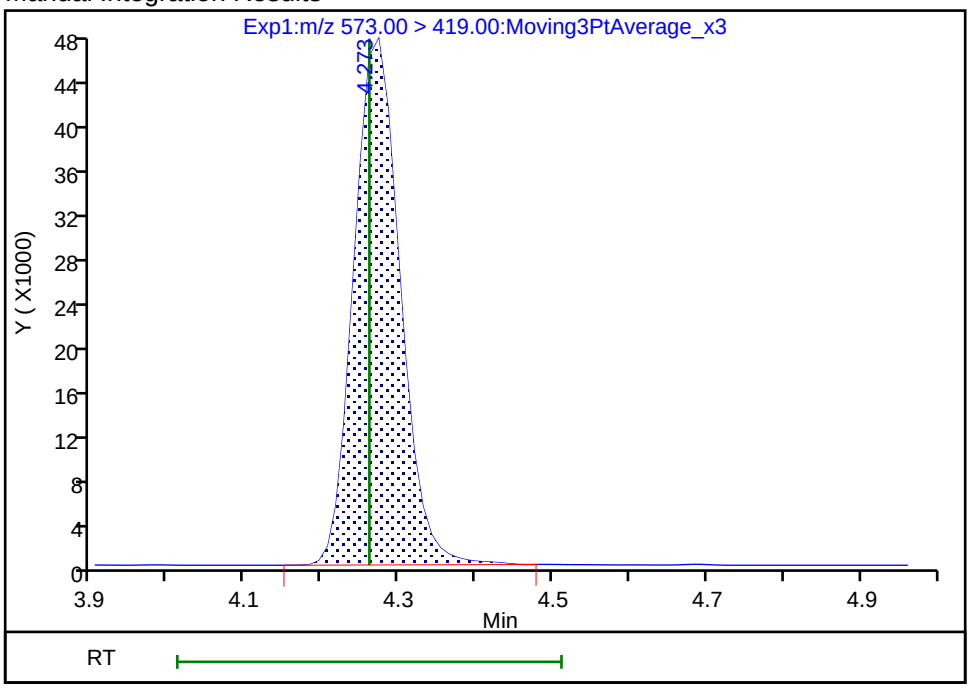
Processing Integration Results

RT: 4.27
Area: 199407
Amount: 1.005496
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 198134
Amount: 0.999077
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:12:03

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

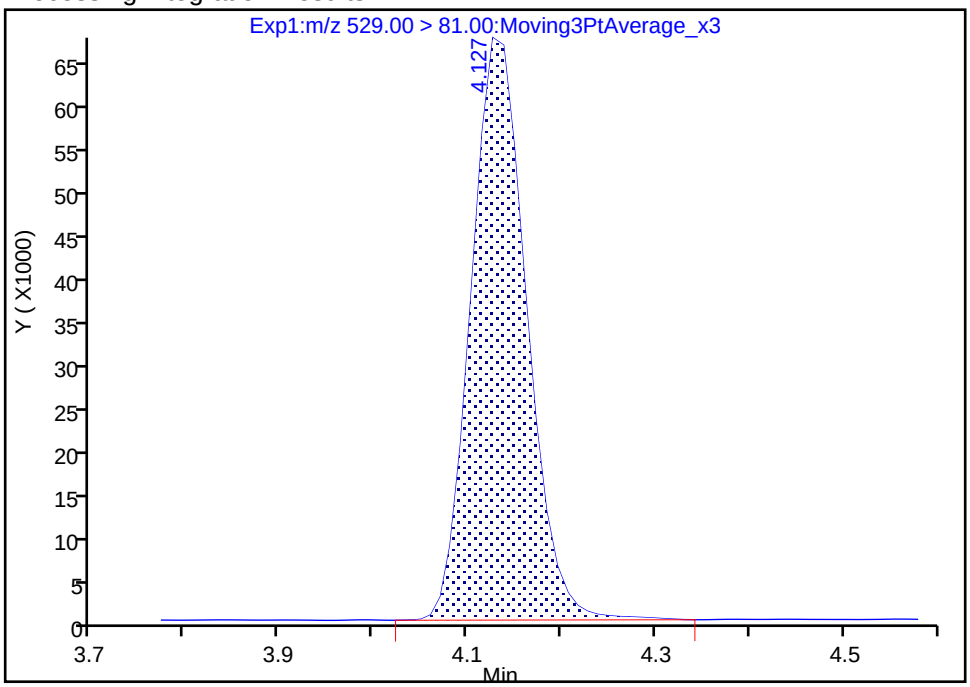
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B17.d				
Injection Date:	04-Aug-2022 16:12:09	Instrument ID:	LC812		
Lims ID:	460-262897-A-8-A	Lab Sample ID:	200-262897-8		
Client ID:	BCS-09-39 (6-6.5)P				
Operator ID:	lc812tech	ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

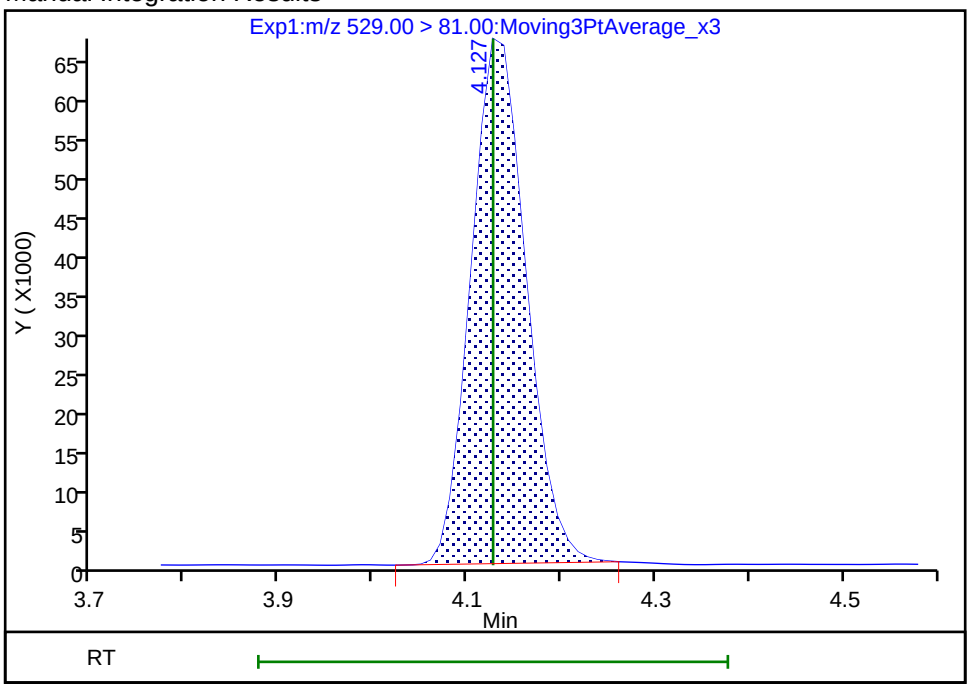
Processing Integration Results

RT: 4.13
Area: 276028
Amount: 1.220454
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 272363
Amount: 1.204249
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:44:07

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 460-262897-1

SDG No.:

Client Sample ID: BCS-09-24 (5-5.5)P | Lab Sample ID: 460-262897-9

Matrix: Solid | Lab File ID: PA220804B18.d

Analysis Method: 537 (modified) | Date Collected: 07/29/2022 12:30

Extraction Method: SHAKE | Date Extracted: 08/03/2022 11:39

Sample wt/vol: 5.09(g) | Date Analyzed: 08/04/2022 16:20

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

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

% Moisture: 5.8 % Solids: 94.2 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 182375 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.52	U	0.52	0.34
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.21	U	0.21	0.057
307-24-4	Perfluorohexanoic acid (PFHxA)	0.057	J	0.21	0.048
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.21	U	0.21	0.041
335-67-1	Perfluorooctanoic acid (PFOA)	0.21	U	0.21	0.060
375-95-1	Perfluorononanoic acid (PFNA)	0.21	U	0.21	0.035
335-76-2	Perfluorodecanoic acid (PFDA)	0.21	U	0.21	0.029
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.21	U	0.21	0.028
307-55-1	Perfluorododecanoic acid (PFDoA)	0.21	U	0.21	0.026
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.21	U	0.21	0.026
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.21	U	0.21	0.027
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.21	U	0.21	0.034
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.21	U	0.21	0.043
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.21	U	0.21	0.024
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.21	U	0.21	0.11
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.069	J	0.21	0.020
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.21	U	0.21	0.035
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.09	U	2.09	0.11
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.09	U	2.09	0.087
27619-97-2	6:2 FTS	2.09	U	2.09	0.059
39108-34-4	8:2 FTS	2.09	U	2.09	0.039

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Client Sample ID: BCS-09-24 (5-5.5)P Lab Sample ID: 460-262897-9

Matrix: Solid Lab File ID: PA220804B18.d

Analysis Method: 537 (modified) Date Collected: 07/29/2022 12:30

Extraction Method: SHAKE Date Extracted: 08/03/2022 11:39

Sample wt/vol: 5.09(g) Date Analyzed: 08/04/2022 16:20

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

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

% Moisture: 5.8 % Solids: 94.2 GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 182375 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	82		50-150
STL01892	13C4 PFHpA	92		50-150
STL00990	13C4 PFOA	92		50-150
STL00991	13C4 PFOS	79		50-150
STL00995	13C5 PFNA	88		50-150
STL00992	13C4 PFBA	94		50-150
STL00993	13C2 PFHxA	97		50-150
STL00996	13C2 PFDA	90		50-150
STL00997	13C2 PFUnA	91		50-150
STL00998	13C2 PFDoA	91		50-150
STL01056	13C8 FOSA	77		50-150
STL01893	13C5 PFPeA	97		50-150
STL02116	13C2 PFTeDA	92		50-150
STL02118	d3-NMeFOSAA	75		50-150
STL02117	d5-NEtFOSAA	75		50-150
STL02279	M2-6:2 FTS	78		50-150
STL02280	M2-8:2 FTS	78		50-150
STL02337	13C3 PFBS	83		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d
Lims ID: 460-262897-A-9-A
Client ID: BCS-09-24 (5-5.5)P
Sample Type: Client
Inject. Date: 04-Aug-2022 16:20:20 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: 460-262897-A-9-A
Misc. Info.: 200-0051959-018 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 05-Aug-2022 12:54:43 Calib Date: 03-Aug-2022 13:41:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1640

First Level Reviewer: nampitakw Date: 05-Aug-2022 12:25:26
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										M
217.00 > 172.00	2.076	2.076	0.0	0.598	1797910	1.18		94.4	7060	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.076	2.085	-0.009	1.000	20457	0.0147			2.3	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.387	2.400	-0.013	0.687	1415198	1.21		96.6	2709	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.387	2.400	-0.013	1.000	25905	0.0222			0.8	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.400	2.413	-0.013	0.691	1306143	0.9633		82.9	128817	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.413	2.413	0.0	1.006	3797	0.003062	Target=2.23		3.4	M
298.90 > 99.00	2.413	2.413	0.0	1.006	2117		1.79(1.11-3.34)		1.2	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.737	2.750	-0.013	1.000	32021	0.0271	Target=12.24		5.1	M
313.00 > 119.00	2.750	2.750	0.0	1.004	3488		9.18(6.12-18.36)		4.7	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.737	2.750	-0.013	0.788	1414716	1.21		96.7	3117	
D 11 18O2 PFHxS										
403.00 > 84.00	3.110	3.110	0.0	0.895	922260	0.9672		81.8	2710	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.110	3.110	0.0	1.000	5059	0.005881	Target=3.43		10.1	M
399.00 > 99.00	3.110	3.110	0.0	1.000	1417		3.57(1.72-5.15)		1.5	M
D 9 13C4 PFHpA										M
367.00 > 322.00	3.110	3.121	-0.011	0.895	1401532	1.15		92.4	1846	M
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.110	3.121	-0.011	1.000	13053	0.0113	Target=3.73		3.0	M
363.00 > 169.00	3.110	3.121	-0.011	1.000	3046		4.29(1.86-5.59)		5.9	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 12 M2-6:2 FTS										
429.00 > 81.00	3.465	3.465	0.0	0.997	148479	0.9303		78.3	279	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.456	3.465	-0.009	0.997	824	-0.0123			4.5	M
16 Perfluoroheptanesulfonic acid										RM
449.00 > 80.00	3.482	3.465	0.017	0.918	558	0.000805	Target=4.89		2.3	RM
449.00 > 99.00	3.465	3.465	0.0	0.914	377		1.48(2.44-7.33)		1.8	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.474	3.474	0.0	1.000	25402	0.0199	Target=2.67		3.0	M
413.00 > 169.00	3.474	3.474	0.0	1.000	8989		2.83(1.34-4.01)		18.3	M
D 14 13C4 PFOA										M
417.00 > 372.00	3.474	3.474	0.0	1.000	1425708	1.15		91.7	2111	M
* 62 13C2 PFOA										
415.00 > 370.00	3.474	3.474	0.0		1631723	1.25			3829	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.792	3.792	0.0	1.000	10786	0.000857	Target=4.88		6.2	M
499.00 > 99.00	3.618	3.792	-0.174	0.954	3995		2.70(2.44-7.32)		7.0	M
D 18 13C4 PFOS										
503.00 > 80.00	3.792	3.792	0.0	1.092	670210	0.9413		78.8	1973	
20 Perfluorononanoic acid										M
463.00 > 419.00	3.822	3.812	0.010	1.003	2762	0.002382	Target=8.23		1.1	M
463.00 > 169.00	3.833	3.812	0.021	1.006	414		6.67(4.11-12.34)		5.2	M
D 19 13C5 PFNA										M
468.00 > 423.00	3.812	3.812	0.0	1.097	1424212	1.10		88.3	1615	M
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.127	4.116	0.011	1.000	6344	0.005344	Target=9.67		4.0	M
513.00 > 169.00	4.127	4.116	0.011	1.000	830		7.64(4.83-14.50)		4.9	M
D 23 13C2 PFDA										M
515.00 > 470.00	4.127	4.116	0.011	1.188	1410980	1.12		89.8	2249	M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.127	4.127	0.0	1.000	294	0.002035			5.9	M
D 26 M2-8:2 FTS										M
529.00 > 81.00	4.127	4.127	0.0	1.188	179114	0.9327		77.9	593	M
D 21 13C8 FOSA										M
506.00 > 78.00	4.161	4.161	0.0	1.198	1056570	0.9609		76.9	1118	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.161	4.161	0.0	1.000	1246	0.001447			6.2	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.273	4.261	0.012	1.003	156	0.001385			0.7	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.261	4.261	0.0	1.227	158563	0.9417		75.3	592	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.365	4.365	0.0	1.151	10799	0.0330	Target=2.80		14.5	M
599.00 > 99.00	4.365	4.365	0.0	1.151	5542		1.95(1.40-4.20)		23.8	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.398	4.387	0.011	1.266	1088439	1.14		91.5	1562	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.398	4.387	0.011	1.000	1827	0.001980	Target=9.07		2.0	M
563.00 > 169.00	4.398	4.387	0.011	1.000	233		7.84(4.54-13.61)		4.2	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.398	4.399	-0.001	0.997	1296	0.0119			13.1	M
D 32 d5-NEtFOSAA										M
589.00 > 419.00	4.410	4.399	0.011	1.269	149512	0.9381		75.0	828	M
D 36 13C2 PFDoA										
615.00 > 570.00	4.643	4.633	0.010	1.337	1125639	1.14		91.3	2613	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.643	4.633	0.010	1.000	3673	0.004022	Target=6.97		0.9	
613.00 > 169.00	4.643	4.633	0.010	1.000	483		7.60(3.48-10.45)		8.6	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.859	4.859	0.0	1.046	1695	0.002141	Target=4.56		0.4	M
663.00 > 169.00	4.880	4.859	0.021	1.051	463		3.66(2.28-6.84)		6.7	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.071	5.052	0.019	1.460	930162	1.15		92.3	1985	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.071	5.052	0.019	1.000	421	0.003531	Target=0.94		9.2	M
713.00 > 219.00	5.062	5.052	0.010	0.998	316		1.33(0.47-1.41)		10.3	M

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Report Date: 05-Aug-2022 12:55:03 Chrom Revision: 2.3 04-Aug-2022 18:02:28

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d

Injection Date: 04-Aug-2022 16:20:20 Instrument ID: LC812

Lims ID: 460-262897-A-9-A Lab Sample ID: 200-262897-9

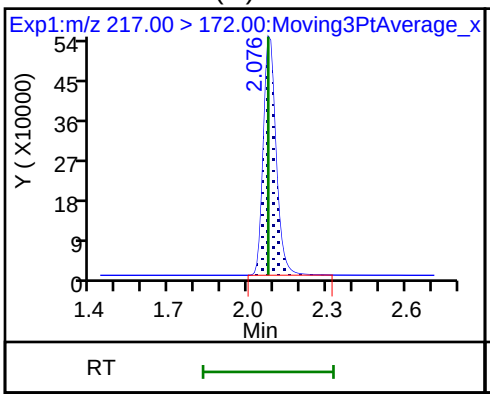
Client ID: BCS-09-24 (5-5.5)P

Operator ID: lc812tech ALS Bottle#: 18 Worklist Smp#: 18

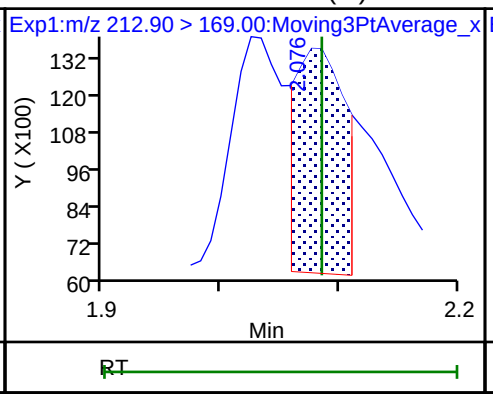
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

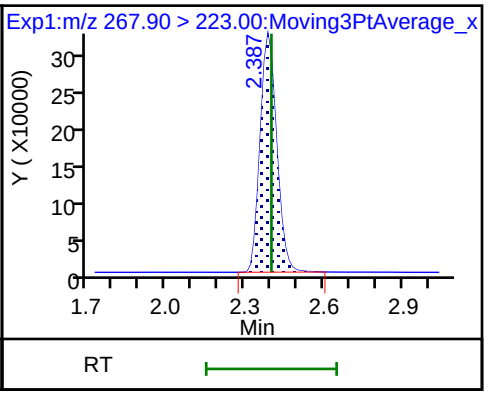
D 1 13C4 PFBA (M)



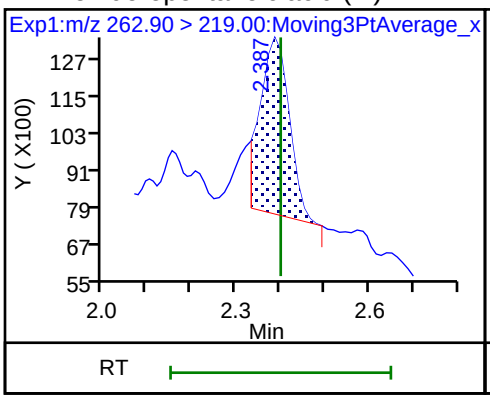
2 Perfluorobutanoic acid (M)



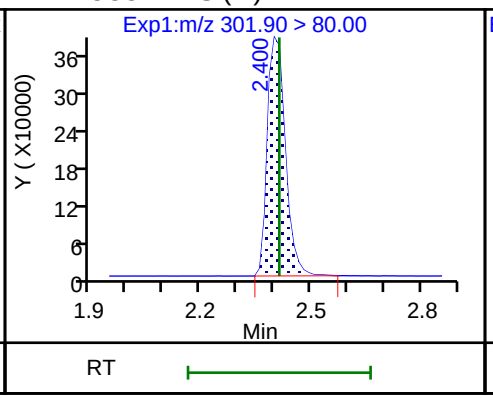
D 3 13C5 PFPeA



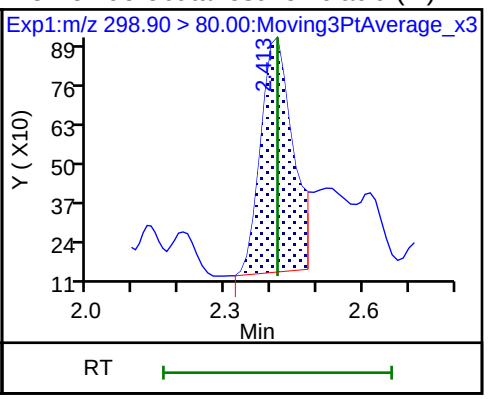
4 Perfluoropentanoic acid (M)



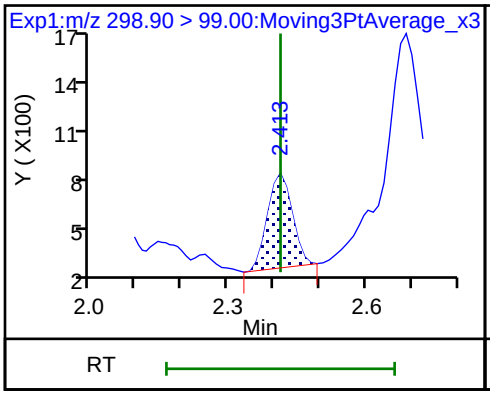
D 47 13C3 PFBS (M)



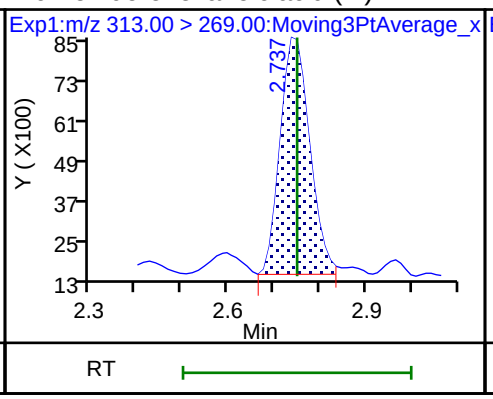
5 Perfluorobutanesulfonic acid (M)



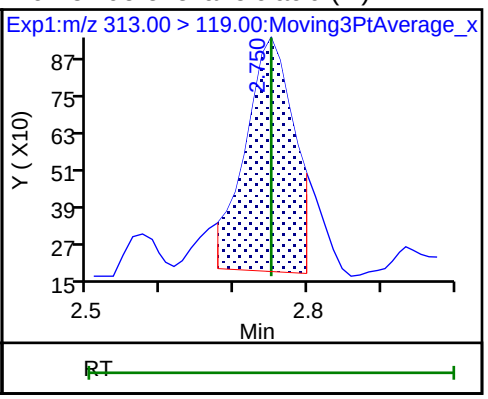
5 Perfluorobutanesulfonic acid



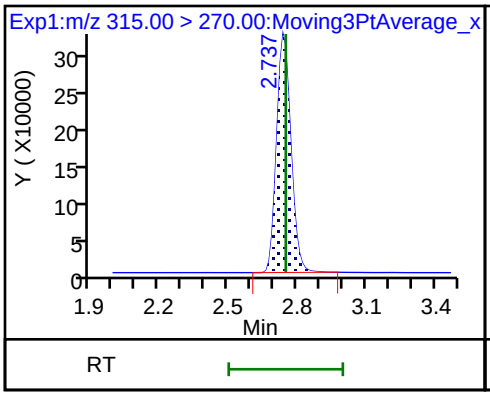
6 Perfluorohexanoic acid (M)



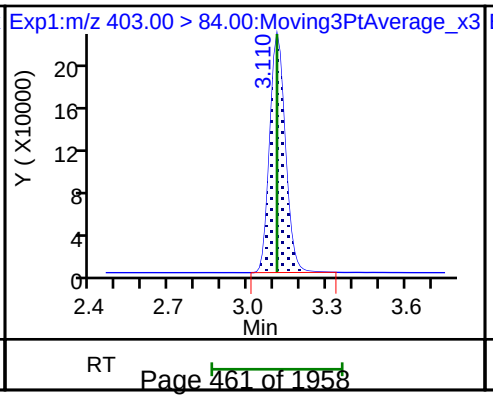
6 Perfluorohexanoic acid (M)



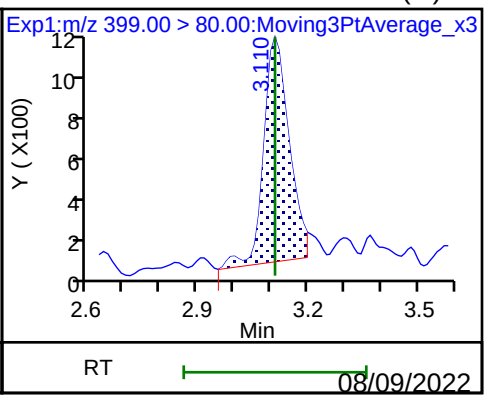
D 7 13C2 PFHxA



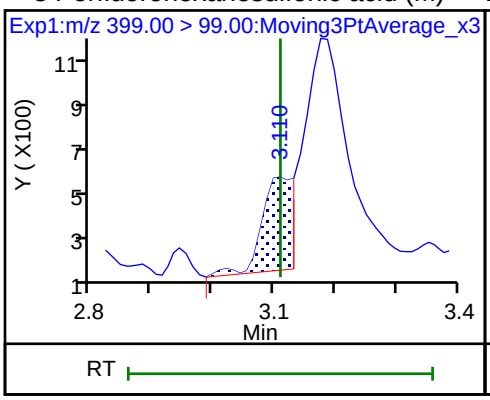
D 11 18O2 PFHxS



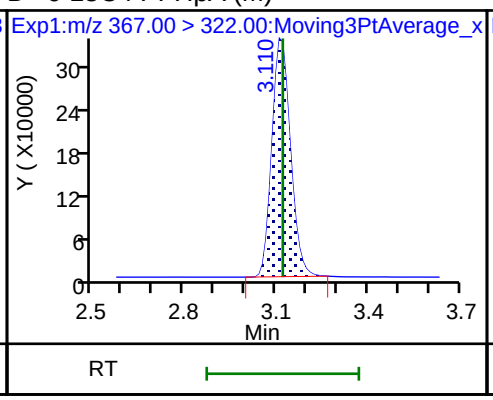
8 Perfluorohexanesulfonic acid (M)



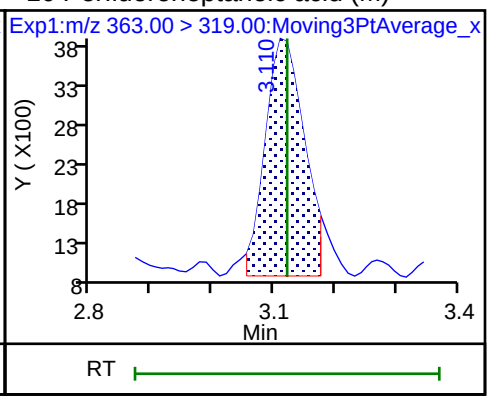
8 Perfluorohexanesulfonic acid (M)



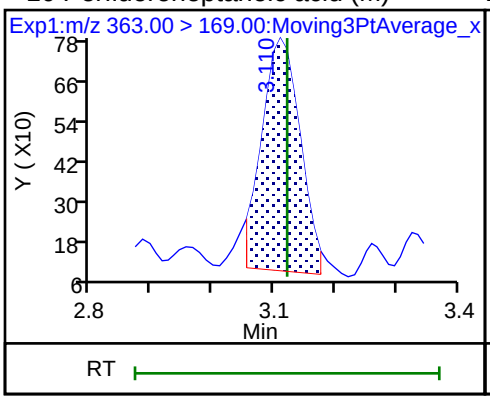
D 9 13C4 PFHpA (M)



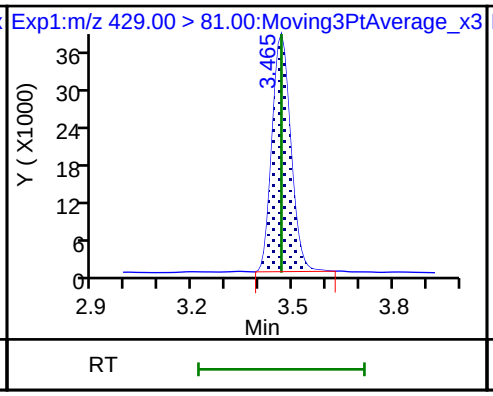
10 Perfluoroheptanoic acid (M)



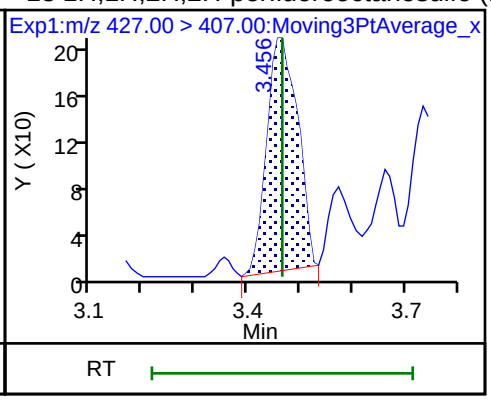
10 Perfluoroheptanoic acid (M)



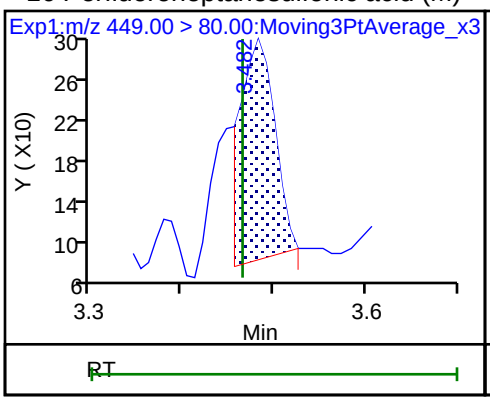
D 12 M2-6:2 FTS



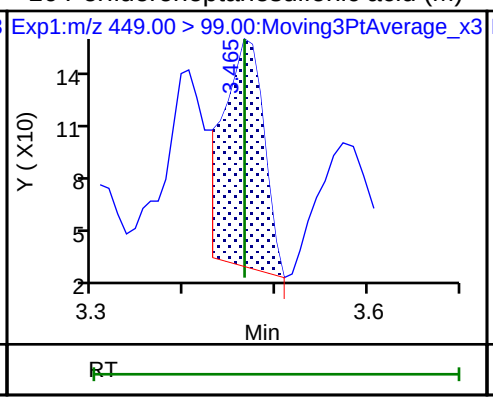
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



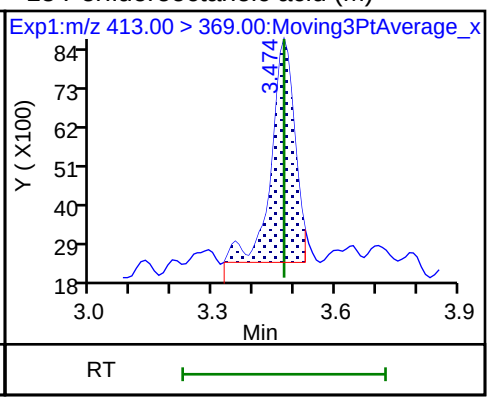
16 Perfluoroheptanesulfonic acid (M)



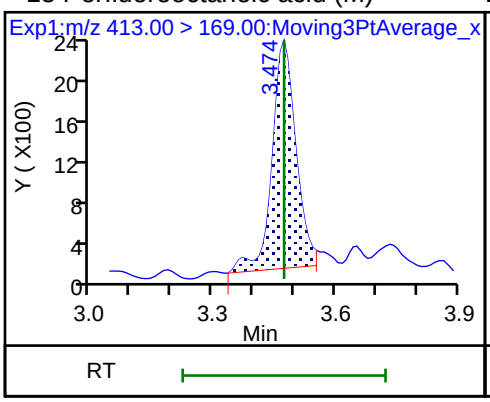
16 Perfluoroheptanesulfonic acid (M)



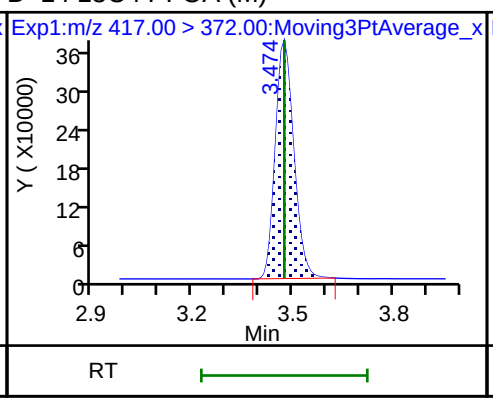
15 Perfluorooctanoic acid (M)



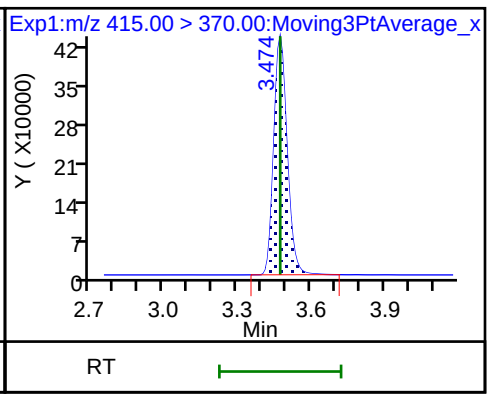
15 Perfluorooctanoic acid (M)



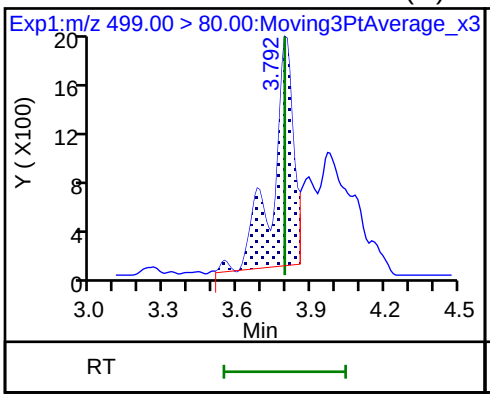
D 14 13C4 PFOA (M)



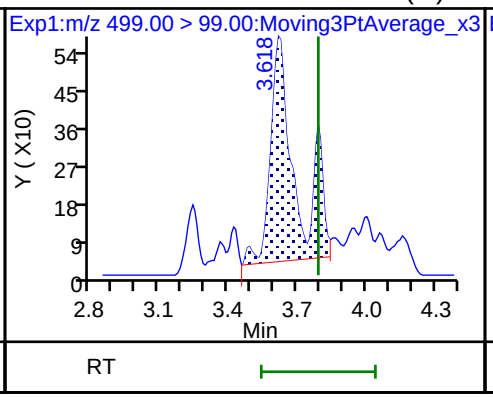
* 62 13C2 PFOA



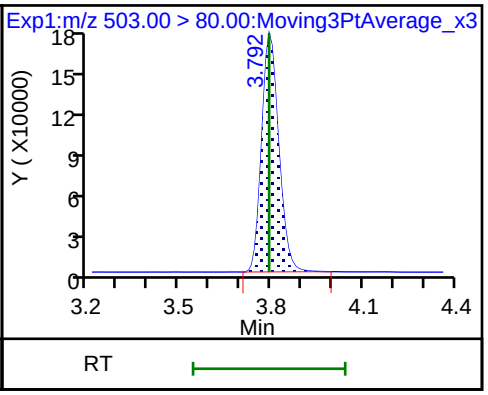
17 Perfluorooctanesulfonic acid (M)



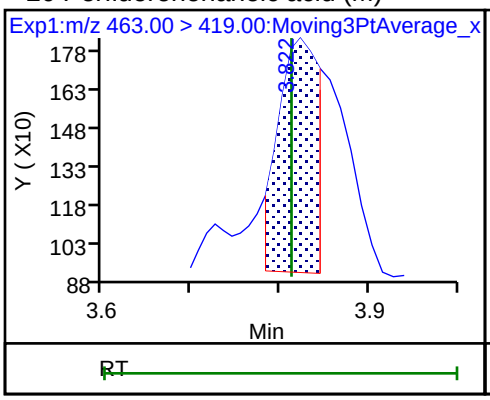
17 Perfluorooctanesulfonic acid (M)



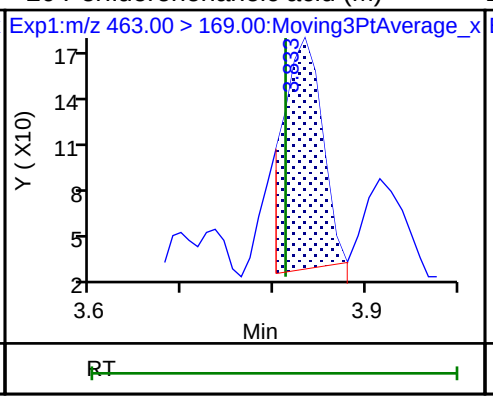
D 18 13C4 PFOS



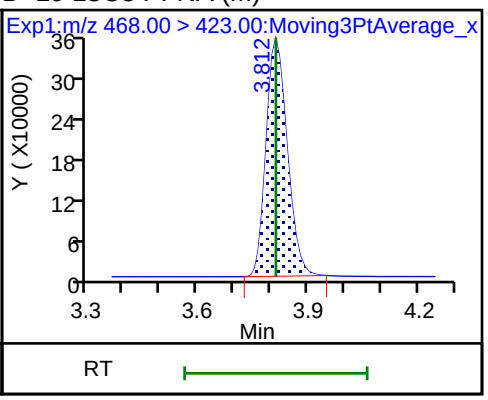
20 Perfluorononanoic acid (M)



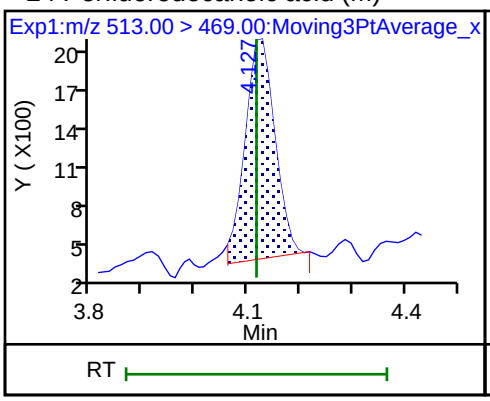
20 Perfluorononanoic acid (M)



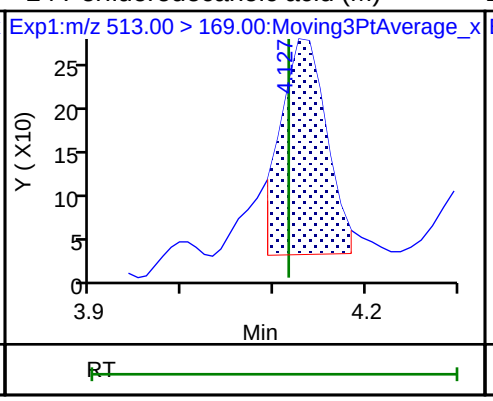
D 19 13C5 PFNA (M)



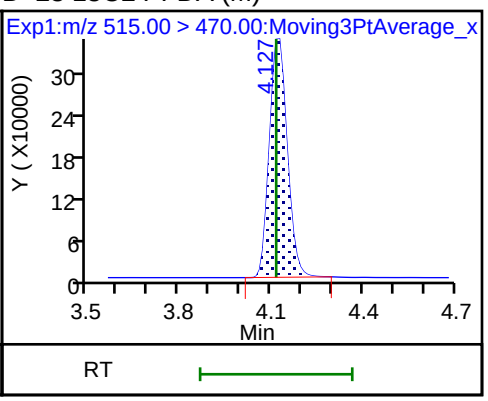
24 Perfluorodecanoic acid (M)



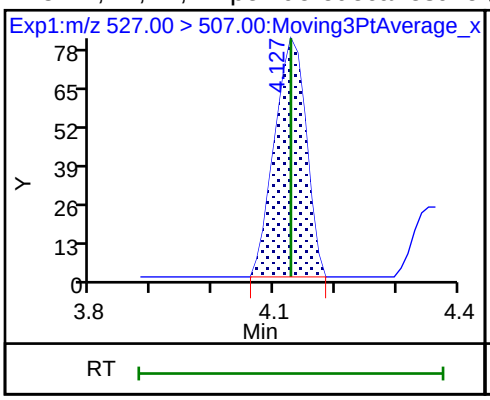
24 Perfluorodecanoic acid (M)



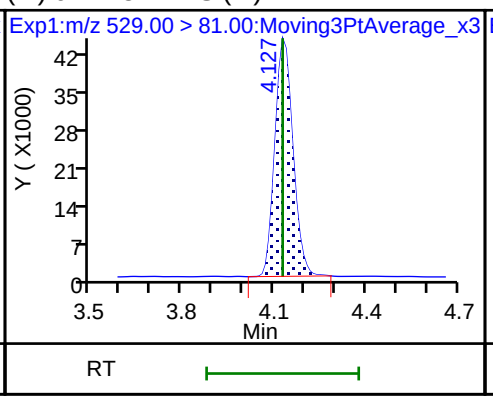
D 23 13C2 PFDA (M)



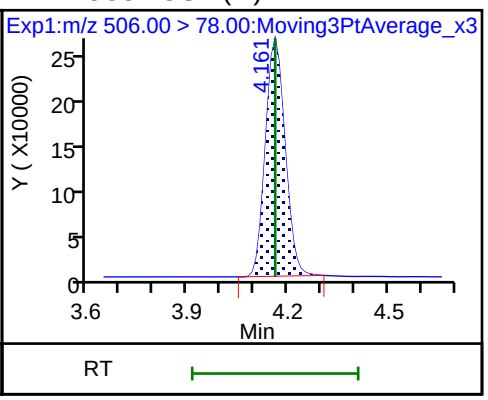
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



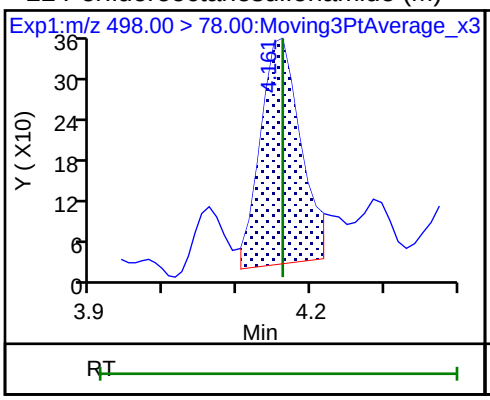
D 26 M2-8:2 FTS (M)



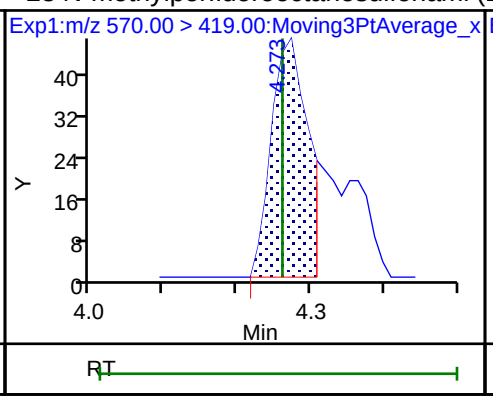
D 21 13C8 FOSA (M)



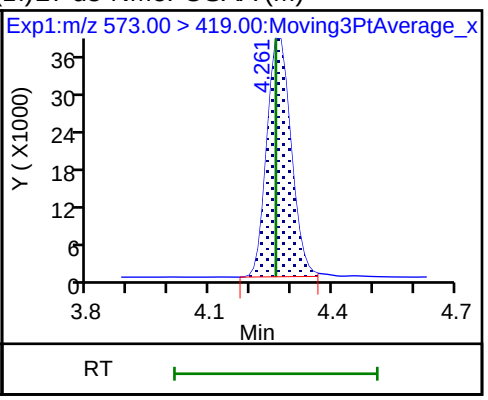
22 Perfluorooctanesulfonamide (M)



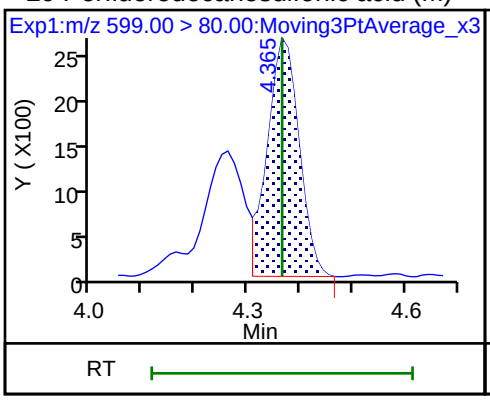
28 N-methylperfluorooctanesulfonami (M)



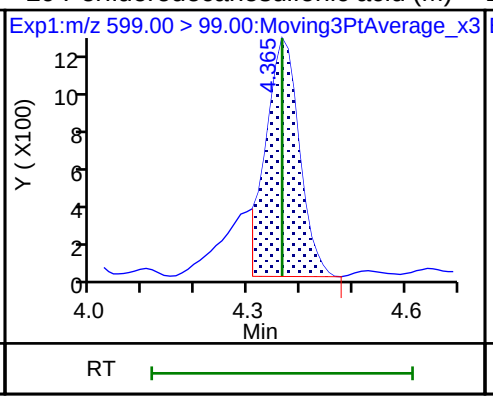
D 27 d3-NMeFOSAA (M)



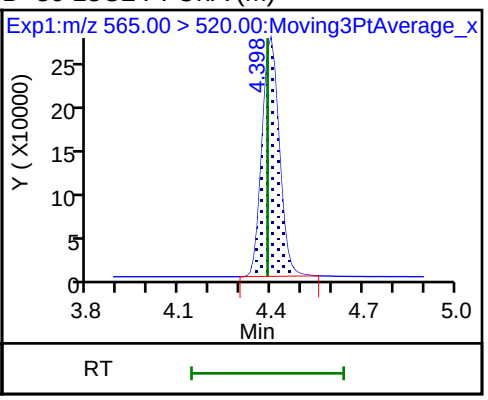
29 Perfluorodecanesulfonic acid (M)



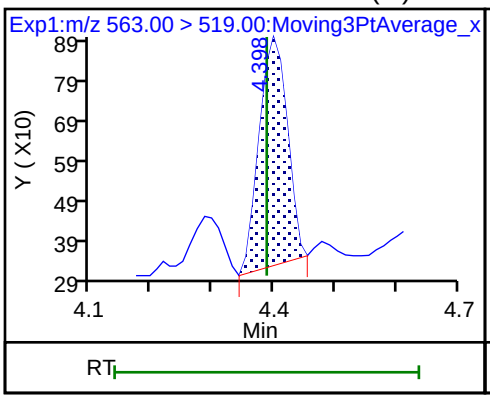
29 Perfluorodecanesulfonic acid (M)



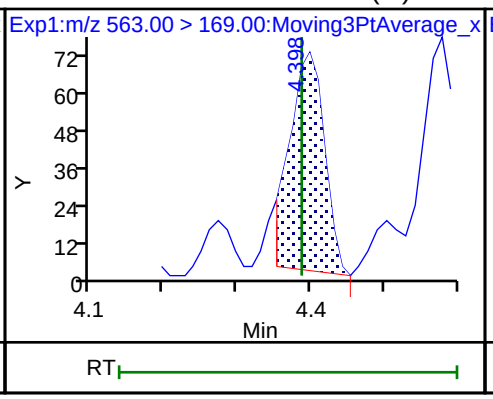
D 30 13C2 PFUnA (M)



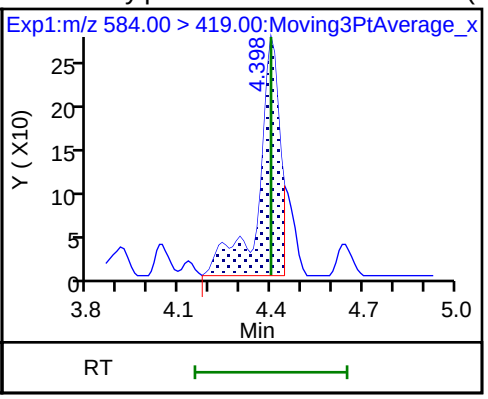
31 Perfluoroundecanoic acid (M)



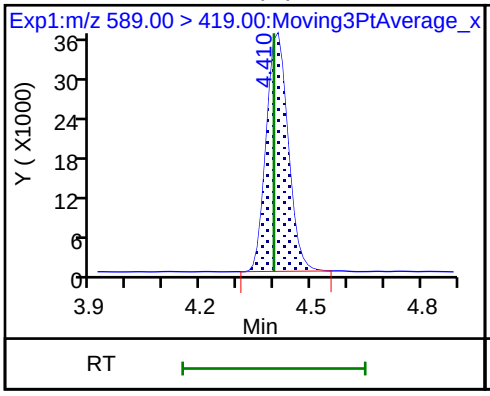
31 Perfluoroundecanoic acid (M)



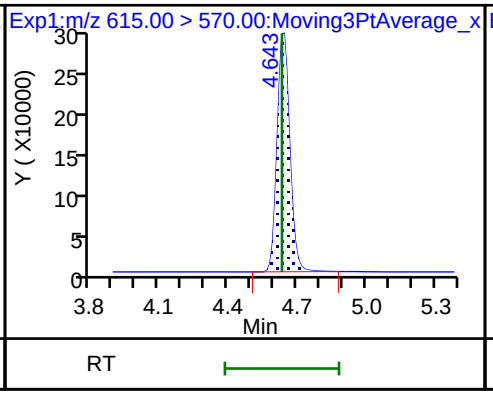
33 N-ethylperfluorooctanesulfonamid (M)



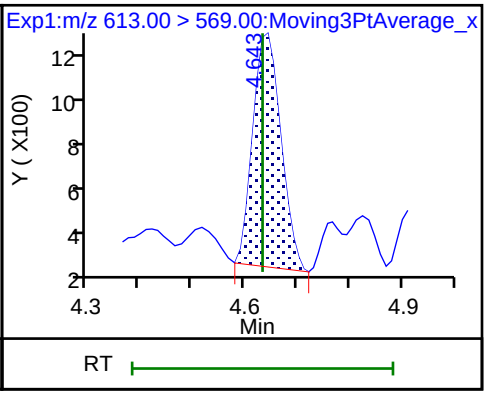
D 32 d5-NEtFOSAA (M)



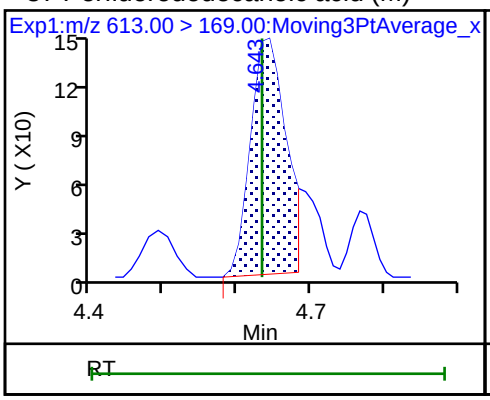
D 36 13C2 PFDoA



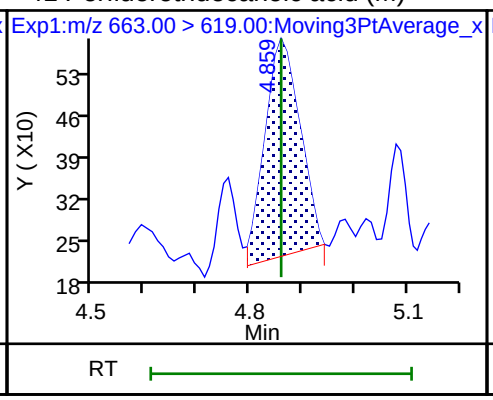
37 Perfluorododecanoic acid



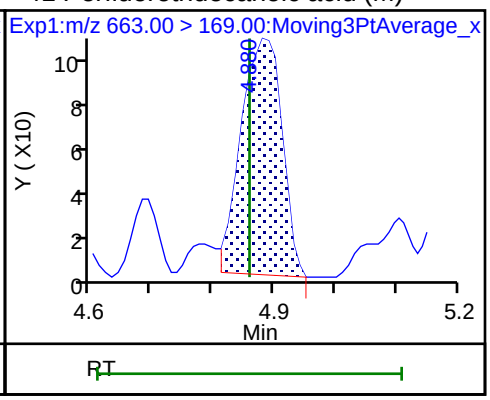
37 Perfluorododecanoic acid (M)



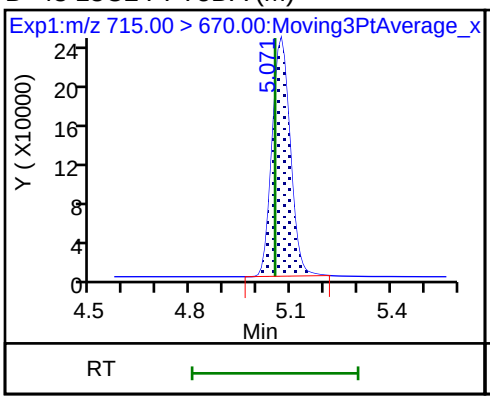
41 Perfluorotridecanoic acid (M)



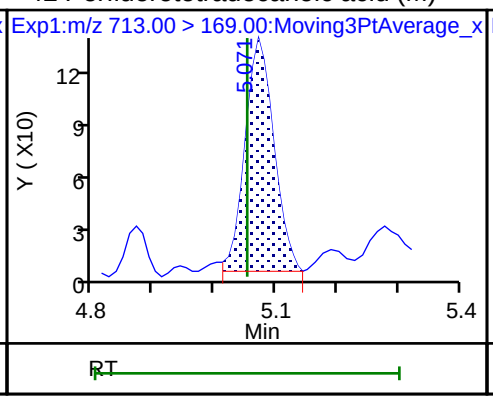
41 Perfluorotridecanoic acid (M)



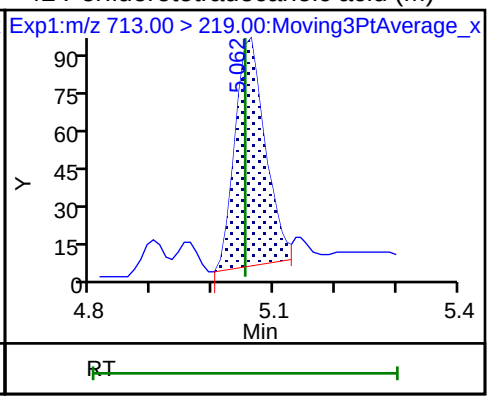
D 43 13C2 PFTeDA (M)



42 Perfluorotetradecanoic acid (M)



42 Perfluorotetradecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins Burlington

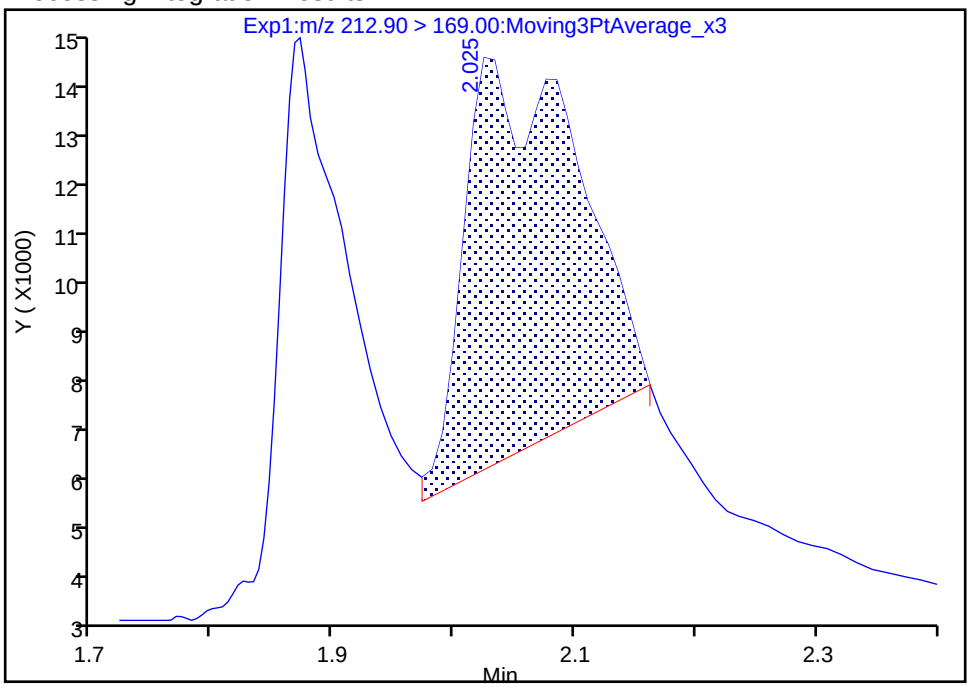
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Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

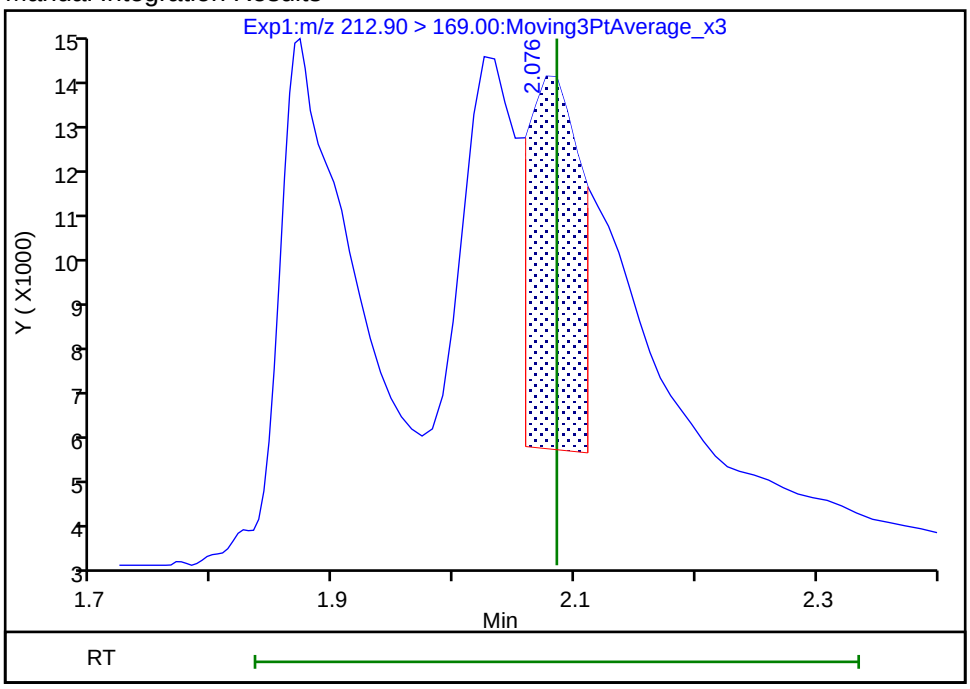
Processing Integration Results

RT: 2.02
Area: 46125
Amount: 0.033028
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 20457
Amount: 0.014667
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:20:17

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

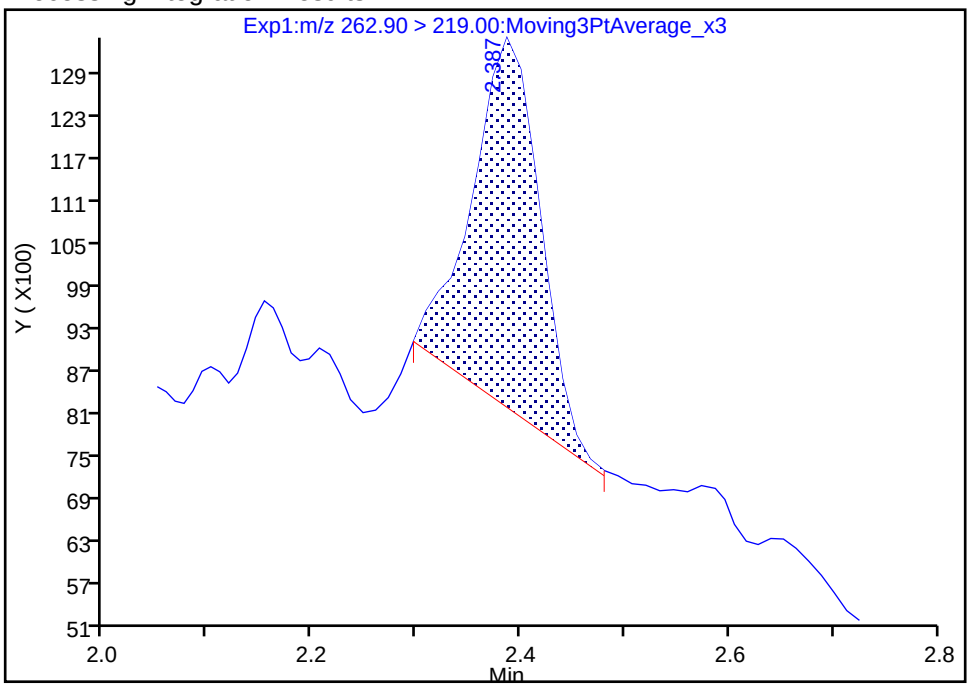
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Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

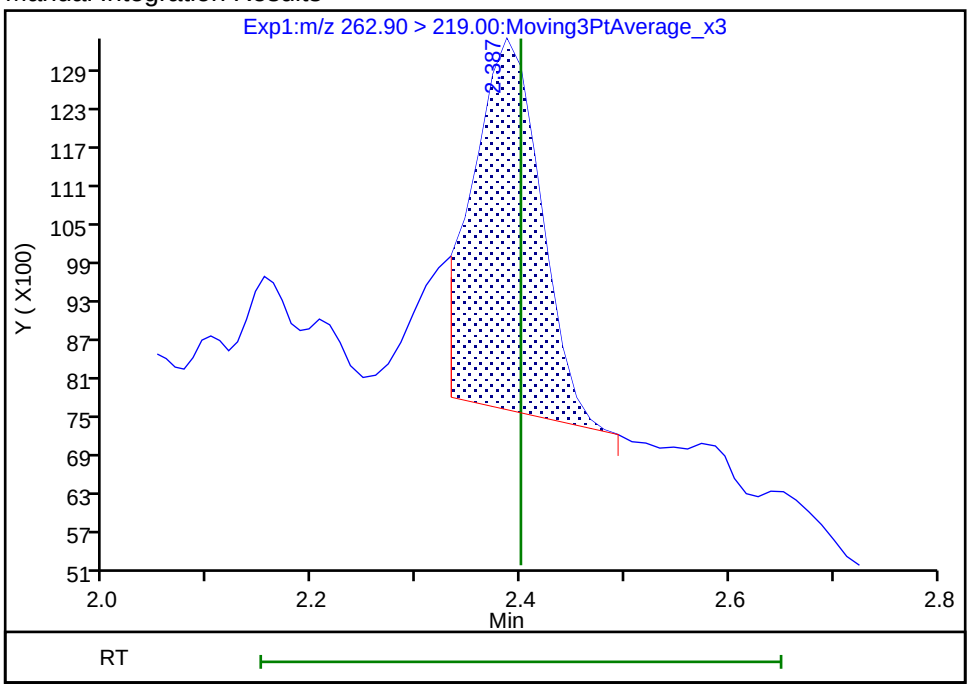
Processing Integration Results

RT: 2.39
Area: 23598
Amount: 0.020218
Amount Units: ng/ml



Manual Integration Results

RT: 2.39
Area: 25905
Amount: 0.022194
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:20:26

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

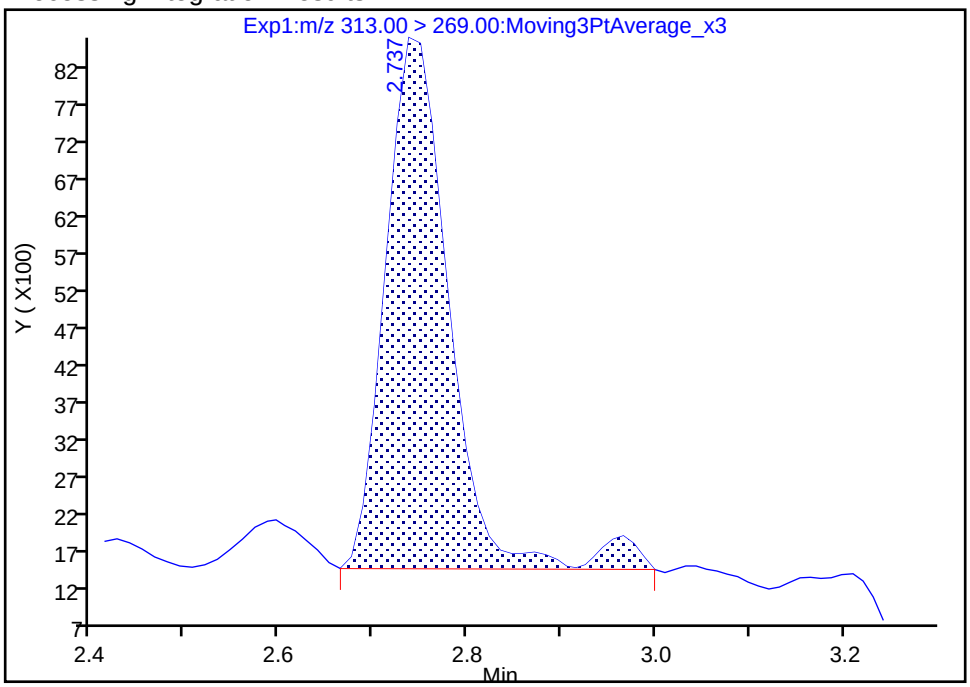
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Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

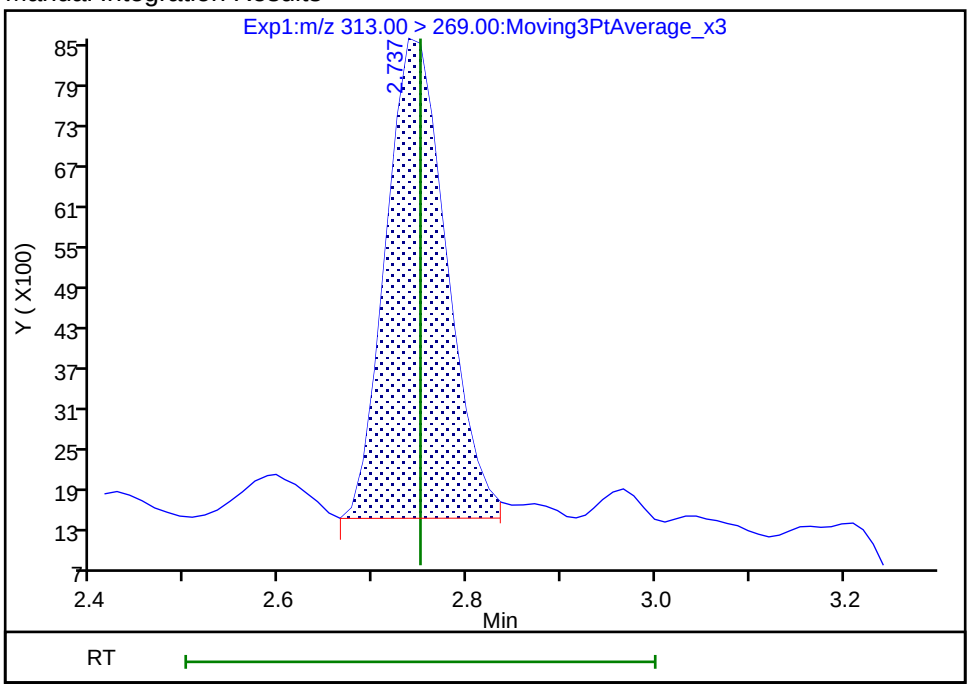
Processing Integration Results

RT: 2.74
Area: 34106
Amount: 0.028880
Amount Units: ng/ml



Manual Integration Results

RT: 2.74
Area: 32021
Amount: 0.027114
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:20:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

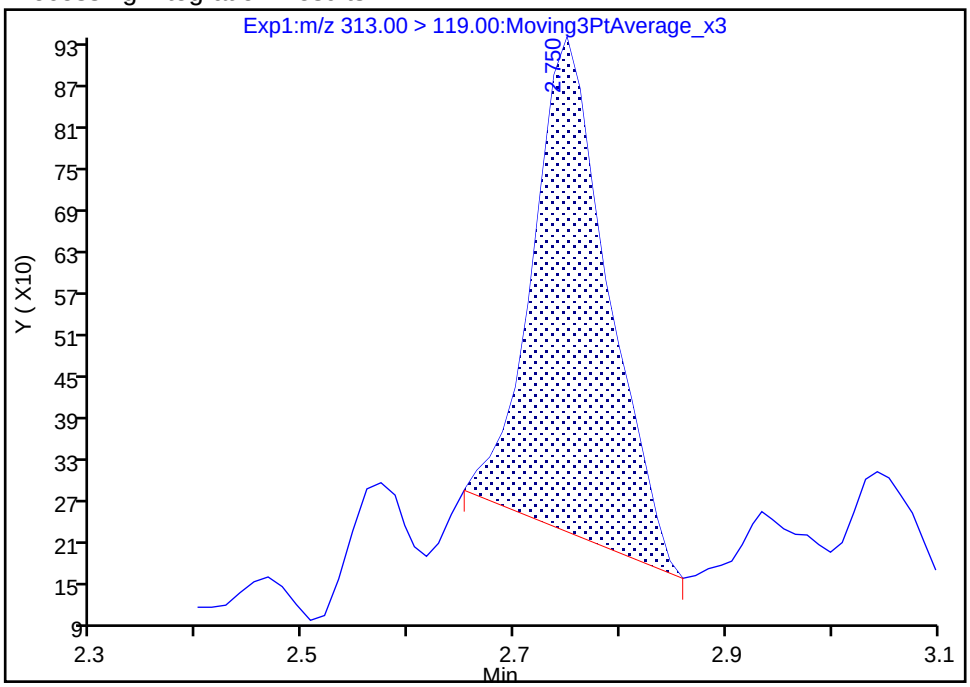
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d				
Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

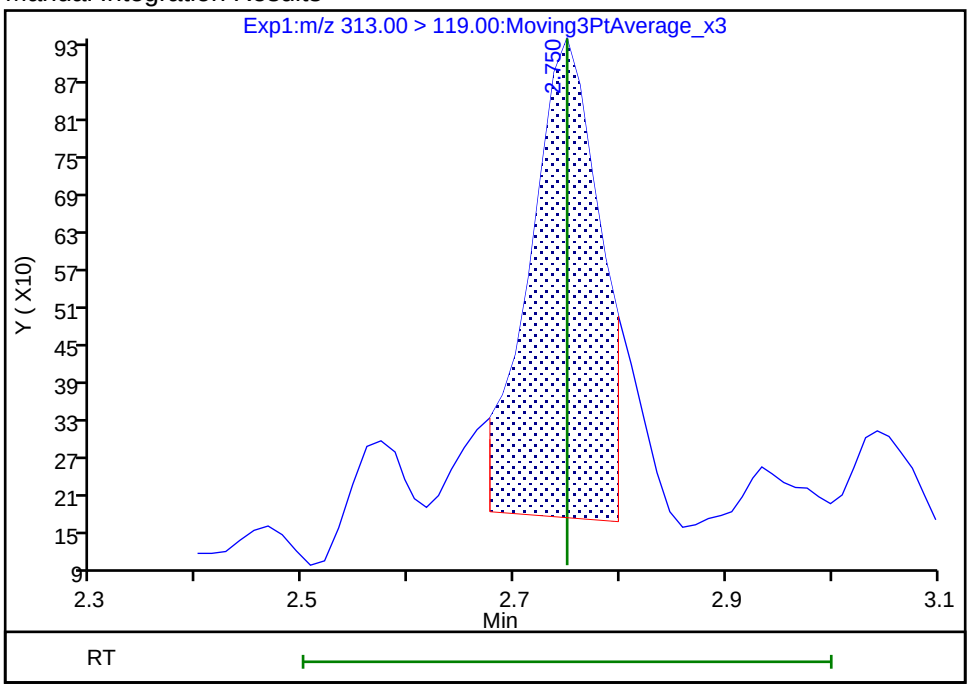
Processing Integration Results

RT: 2.75
Area: 3568
Amount: 0.028880
Amount Units: ng/ml



Manual Integration Results

RT: 2.75
Area: 3488
Amount: 0.027114
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:20:54
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

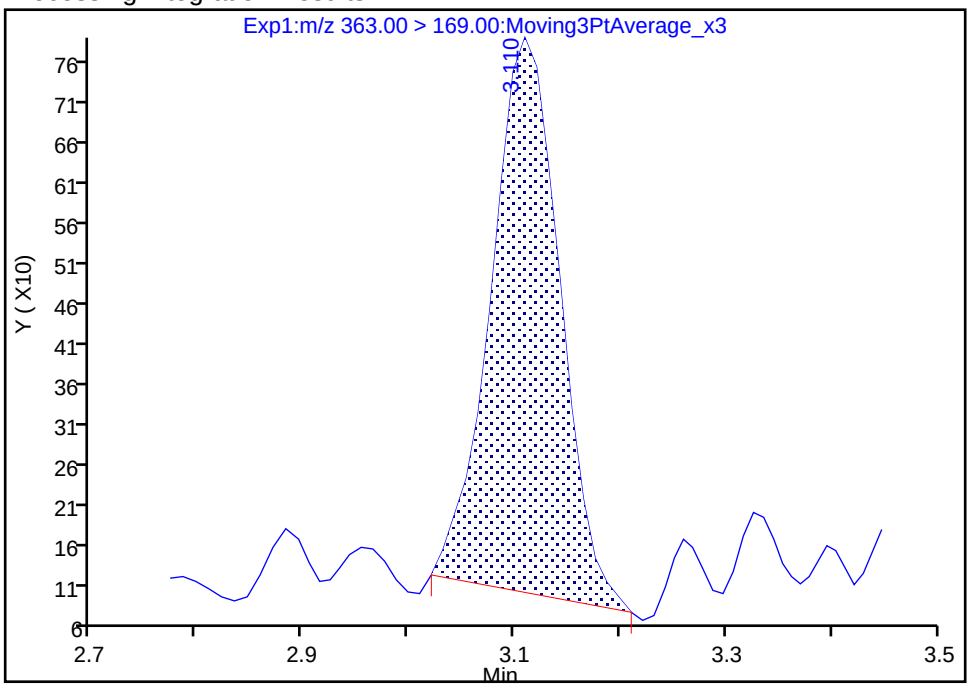
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d				
Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

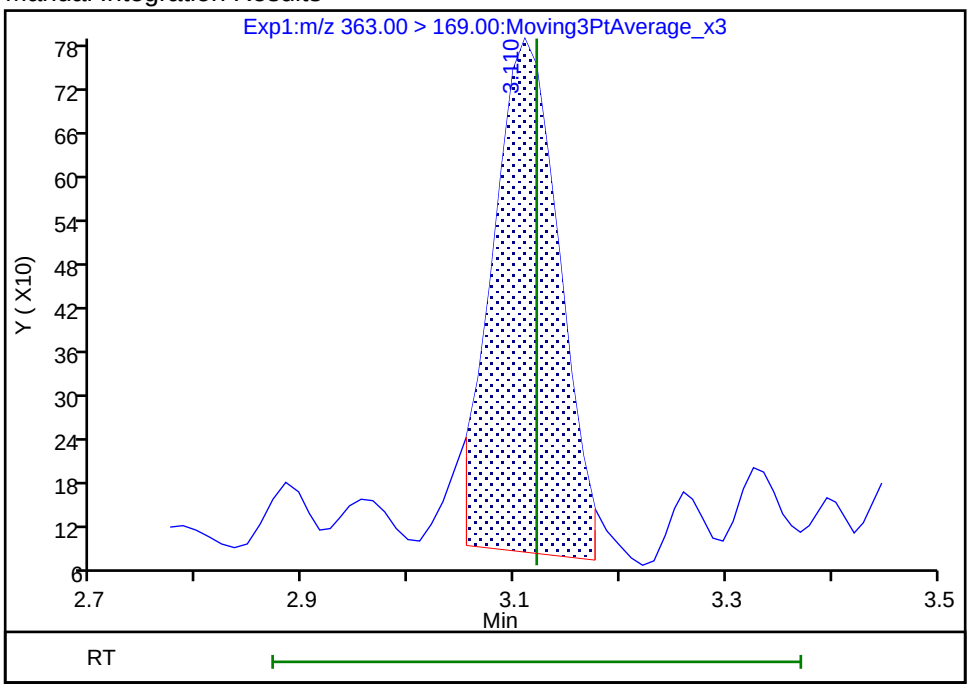
Processing Integration Results

RT: 3.11
Area: 3097
Amount: 0.012324
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 3046
Amount: 0.011296
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:21:41
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

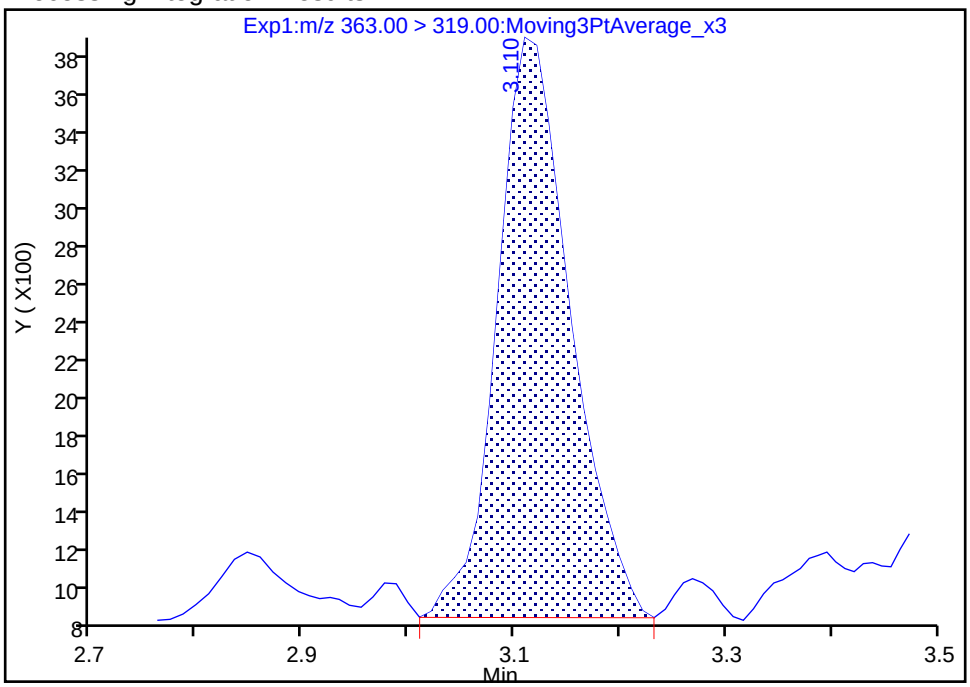
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d				
Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

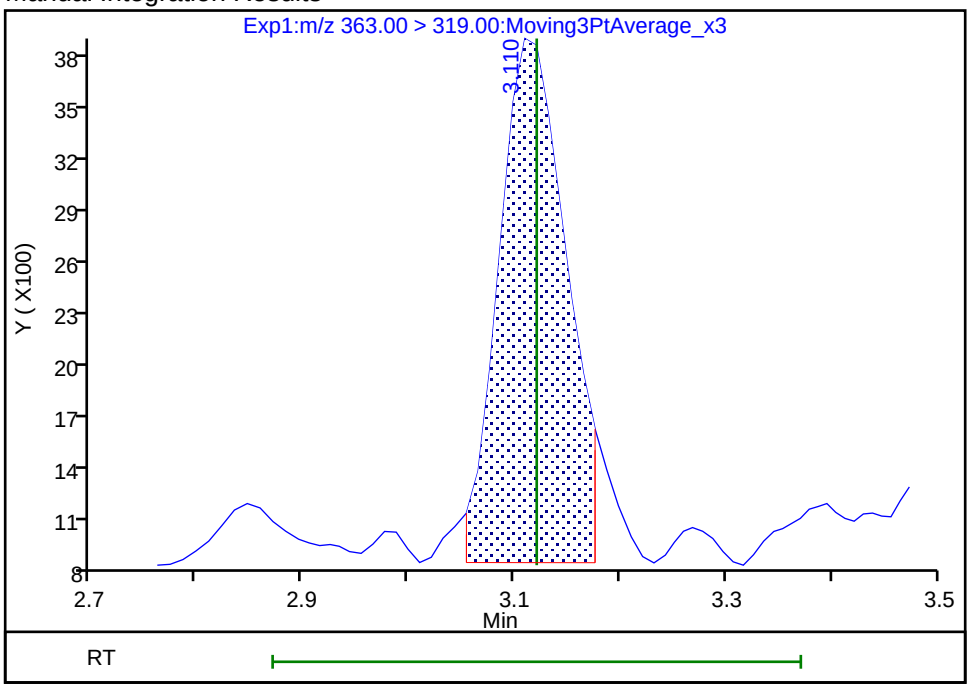
Processing Integration Results

RT: 3.11
Area: 14348
Amount: 0.012324
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 13053
Amount: 0.011296
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:21:43

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

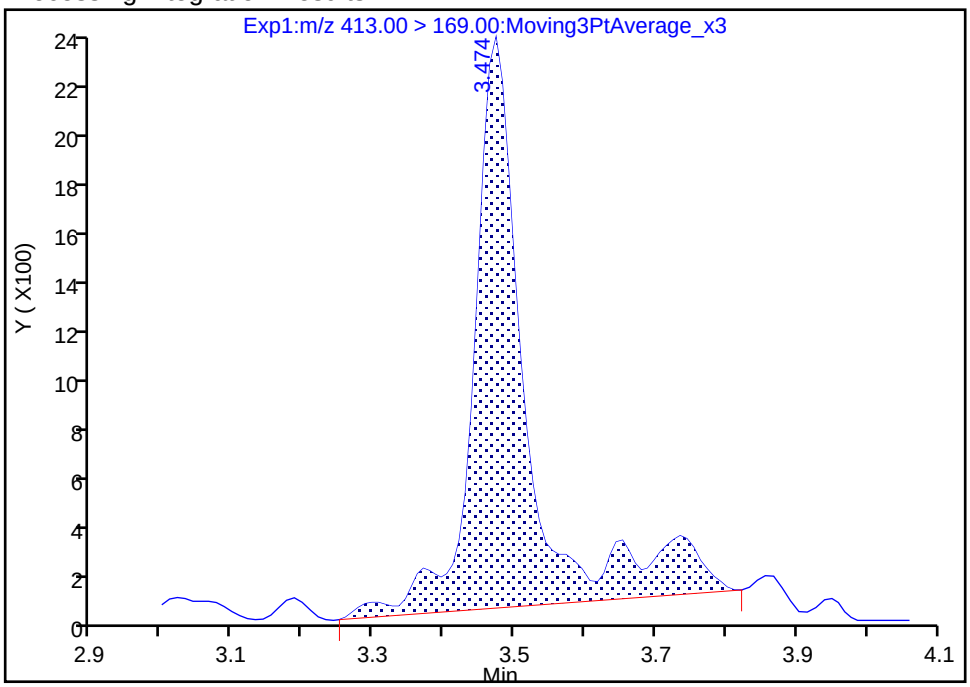
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d				
Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

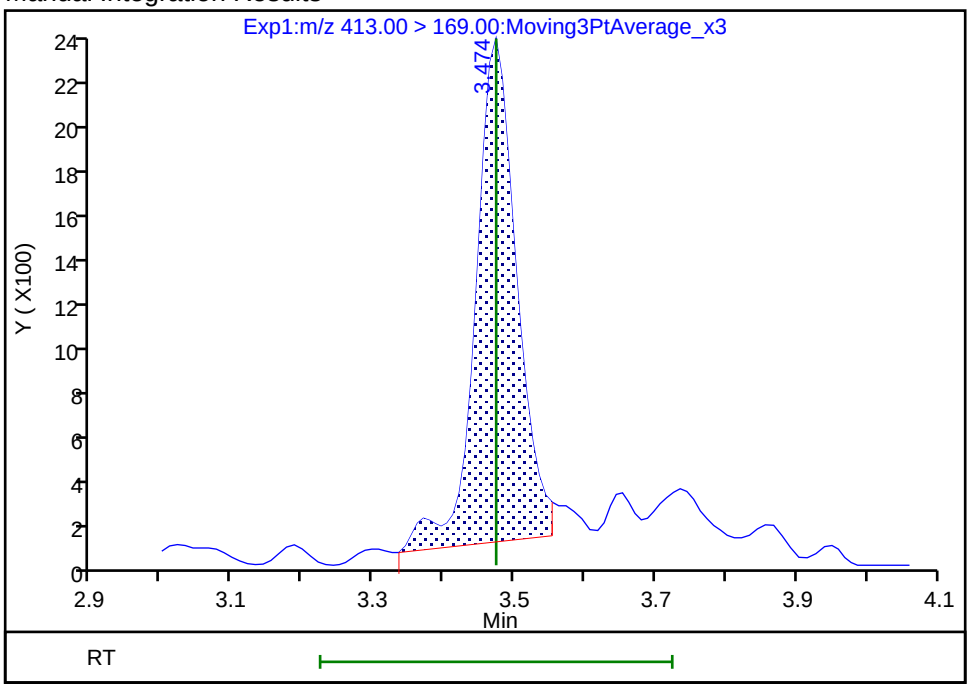
Processing Integration Results

RT: 3.47
Area: 12098
Amount: 0.020276
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 8989
Amount: 0.019860
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:22:16

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

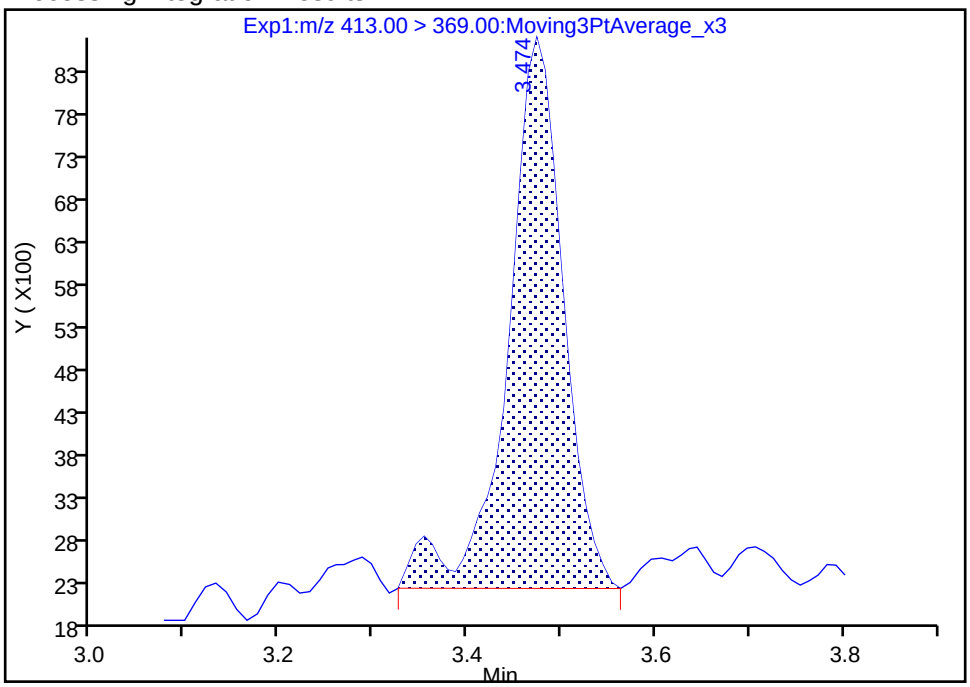
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d				
Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

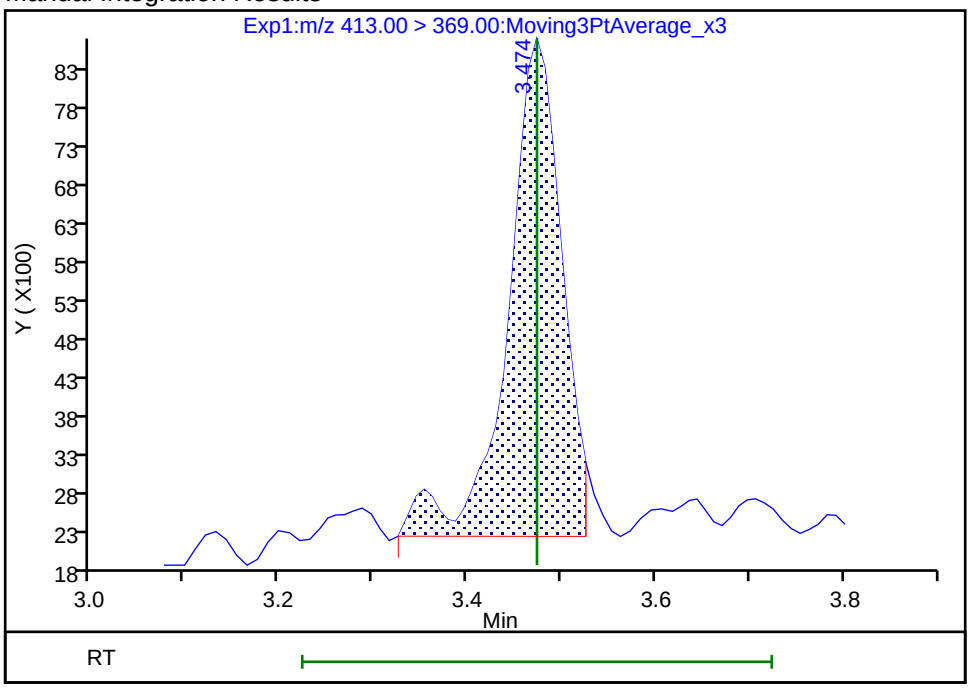
Processing Integration Results

RT: 3.47
Area: 26136
Amount: 0.020276
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 25402
Amount: 0.019860
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:22:18

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

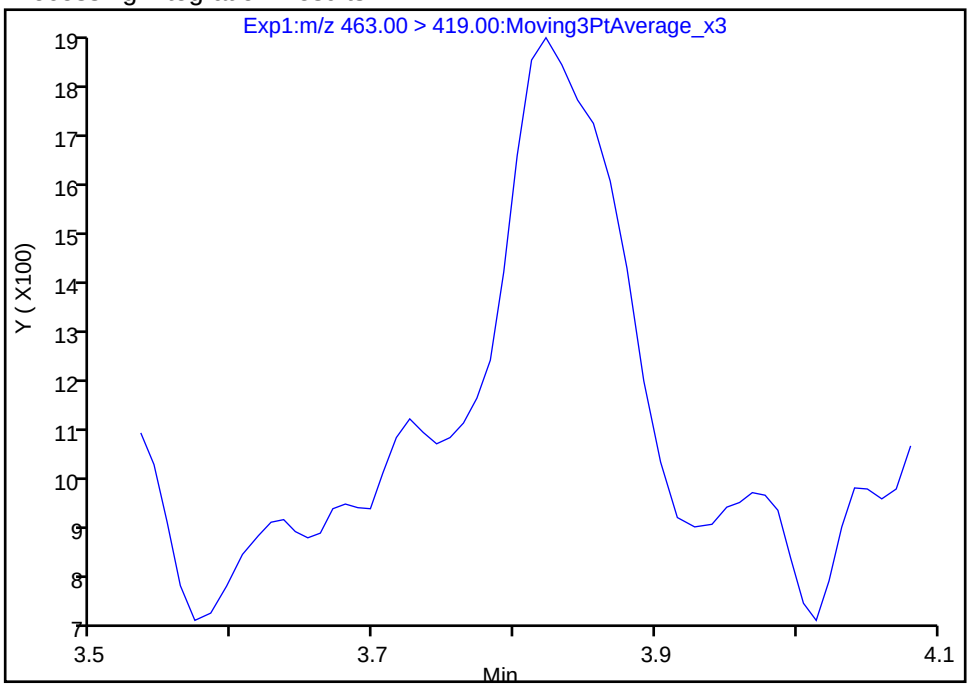
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d				
Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

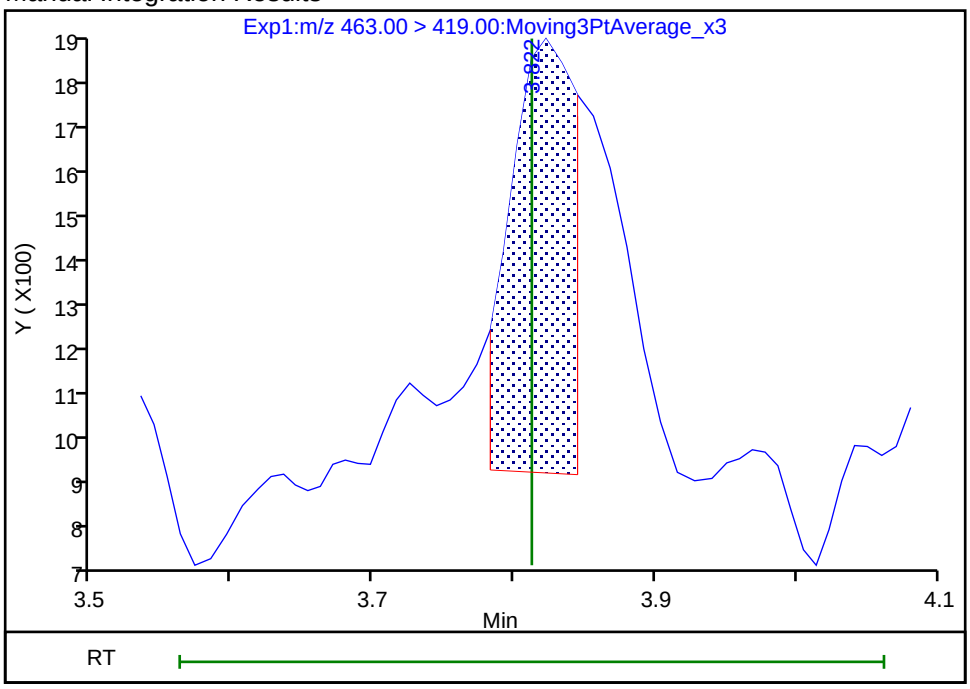
Not Detected
Expected RT: 3.81

Processing Integration Results



Manual Integration Results

RT: 3.82
Area: 2762
Amount: 0.002382
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:23:06
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

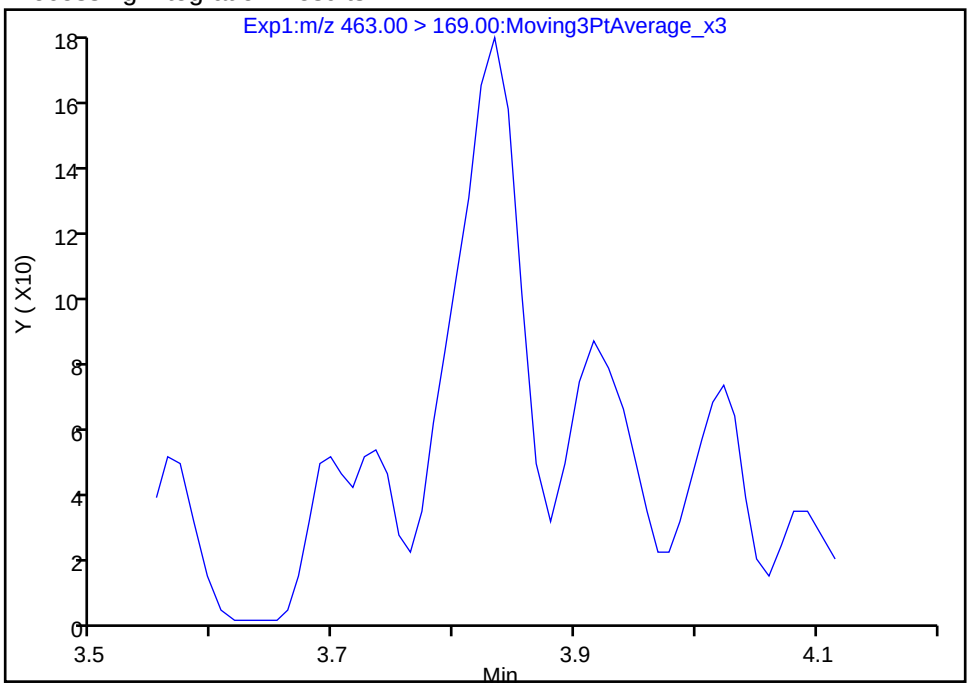
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d				
Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

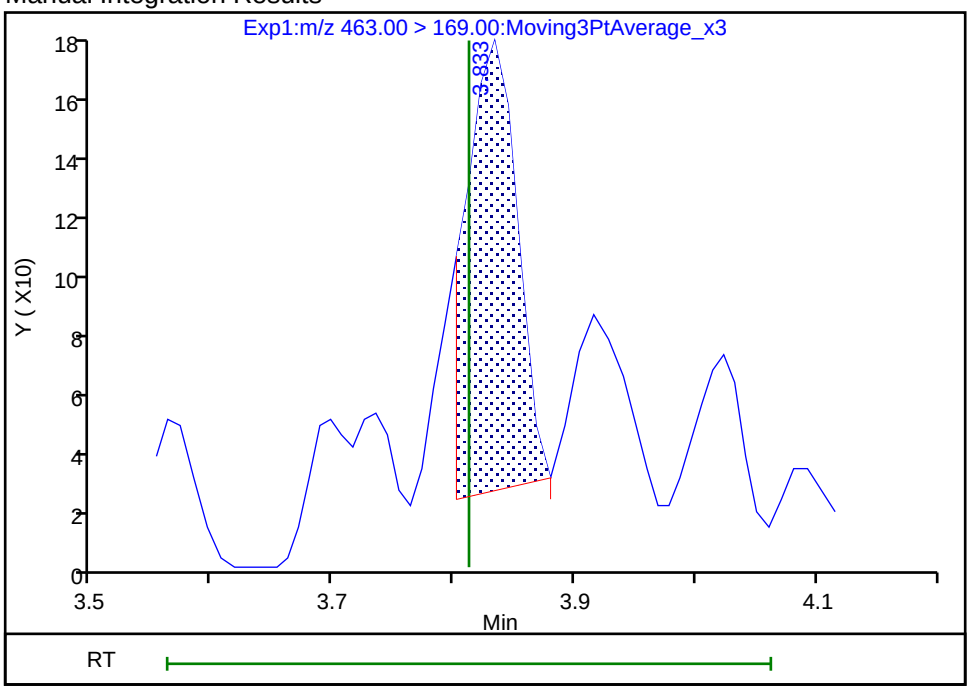
Not Detected
Expected RT: 3.81

Processing Integration Results



Manual Integration Results

RT: 3.83
Area: 414
Amount: 0.002382
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:23:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

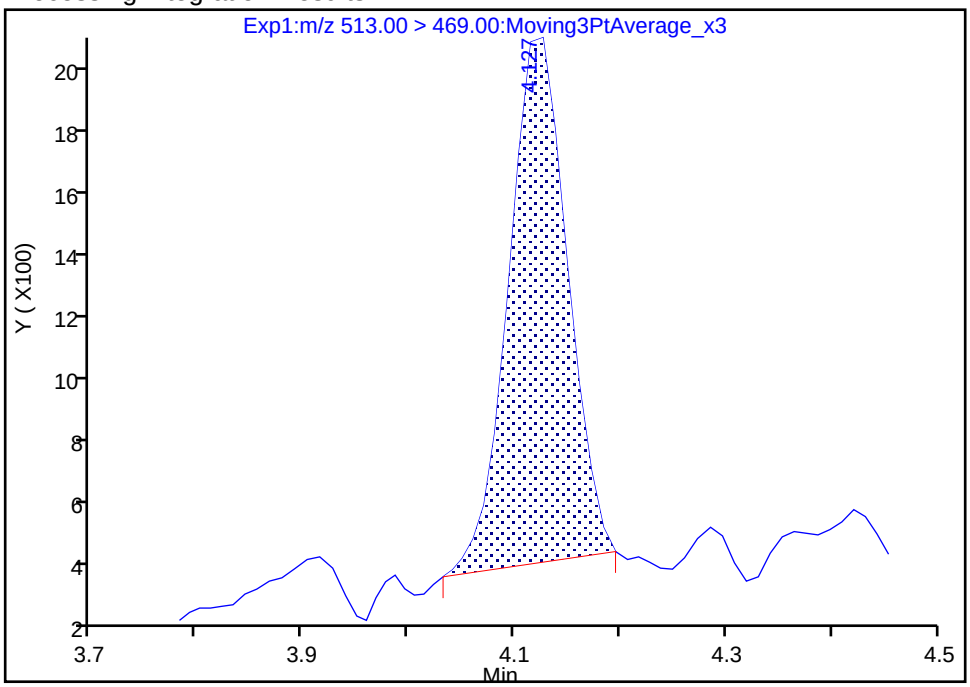
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Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

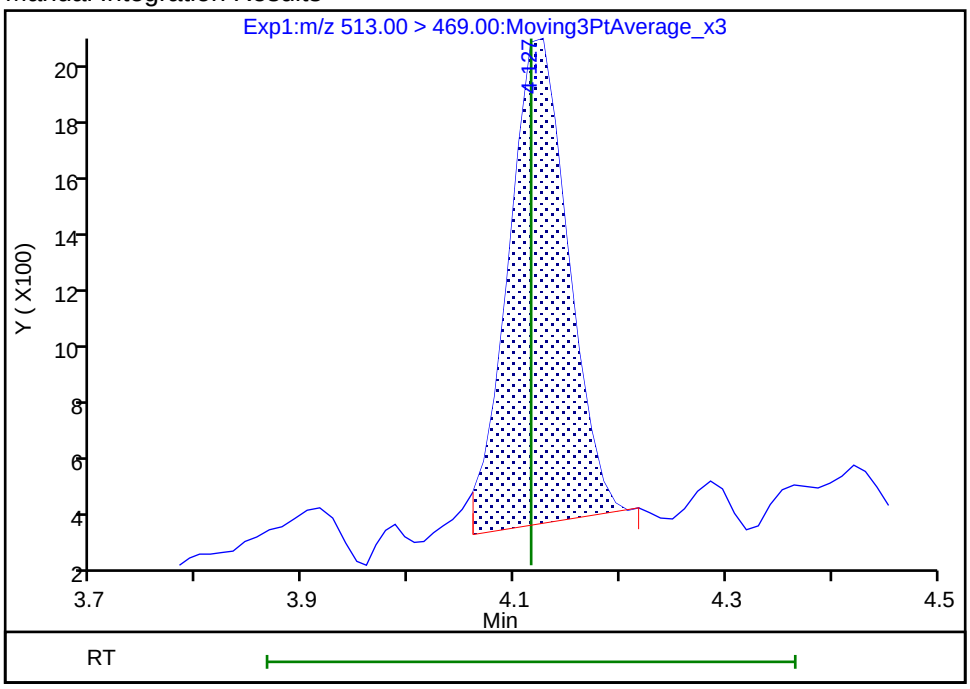
Processing Integration Results

RT: 4.13
Area: 6117
Amount: 0.005106
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 6344
Amount: 0.005344
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:23:20

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

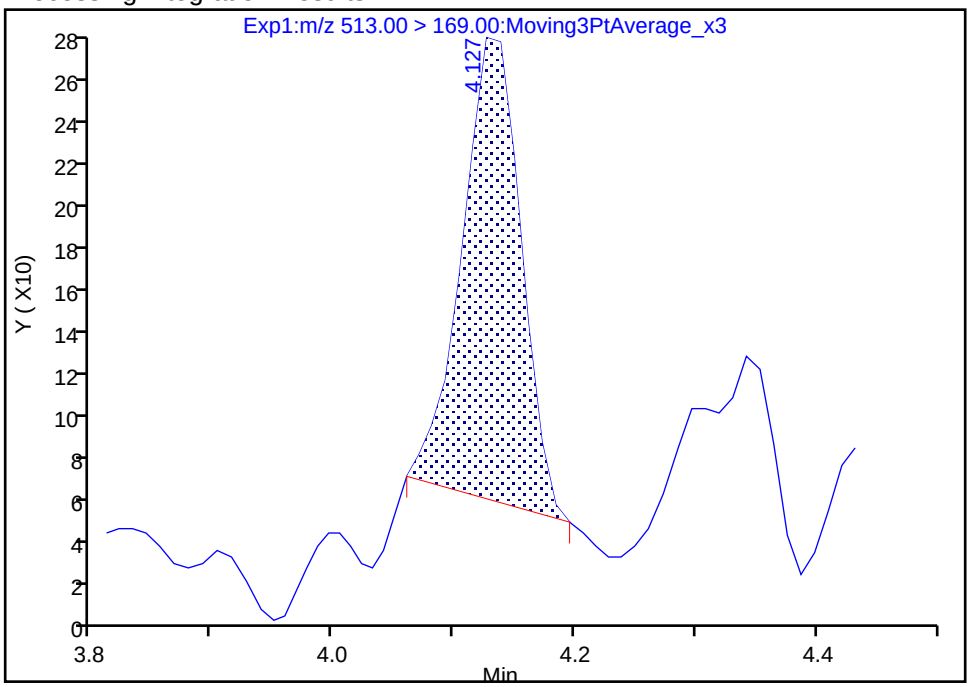
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d				
Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

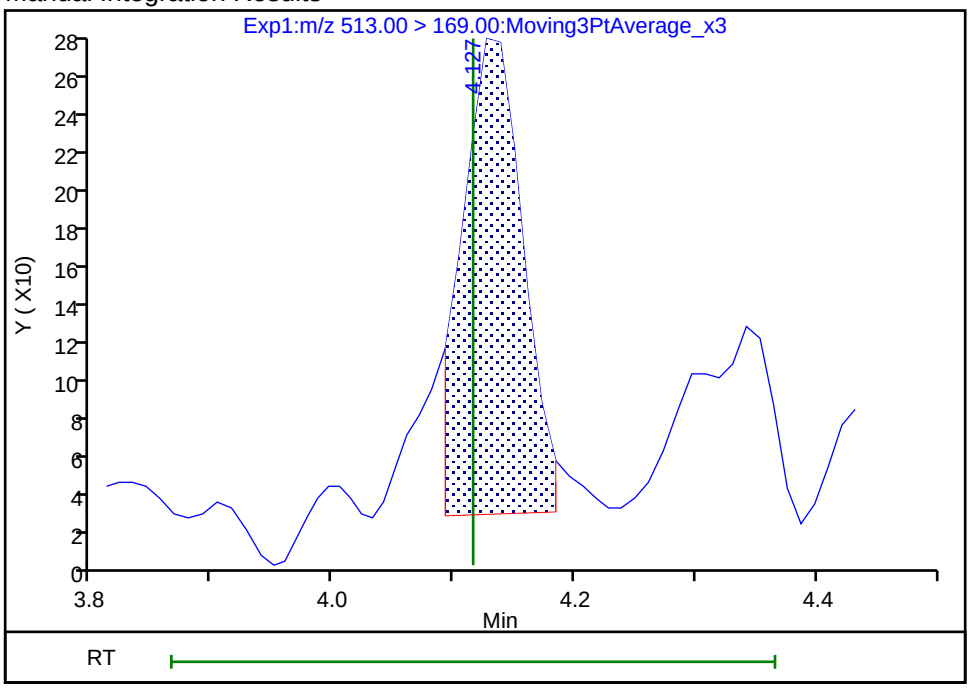
Processing Integration Results

RT: 4.13
Area: 720
Amount: 0.005106
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 830
Amount: 0.005344
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:23:22
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

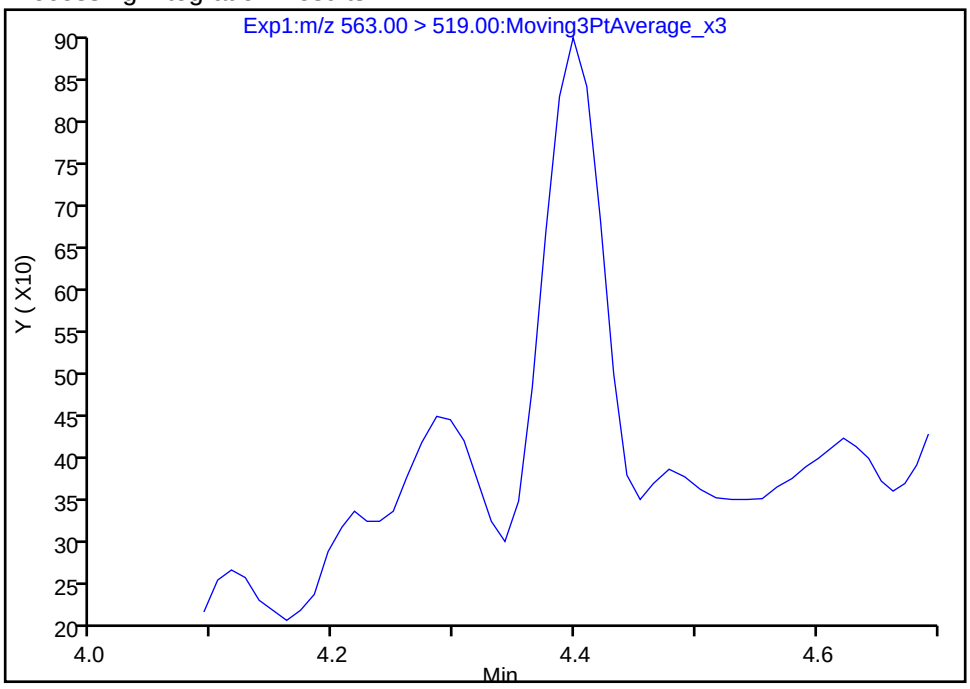
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d				
Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

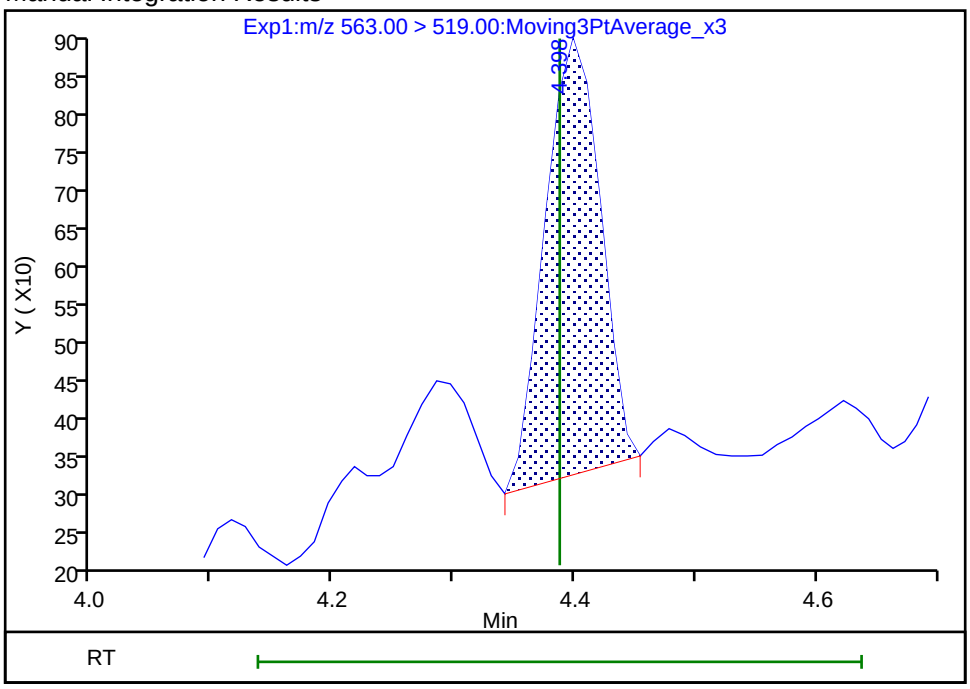
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.40
Area: 1827
Amount: 0.001980
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:24:11
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

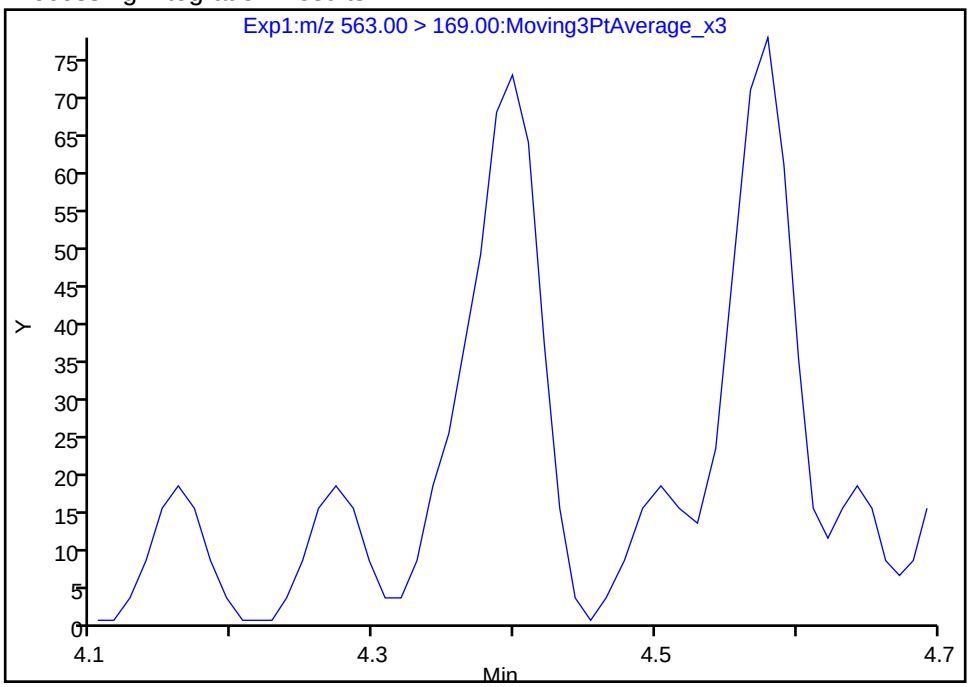
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d				
Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

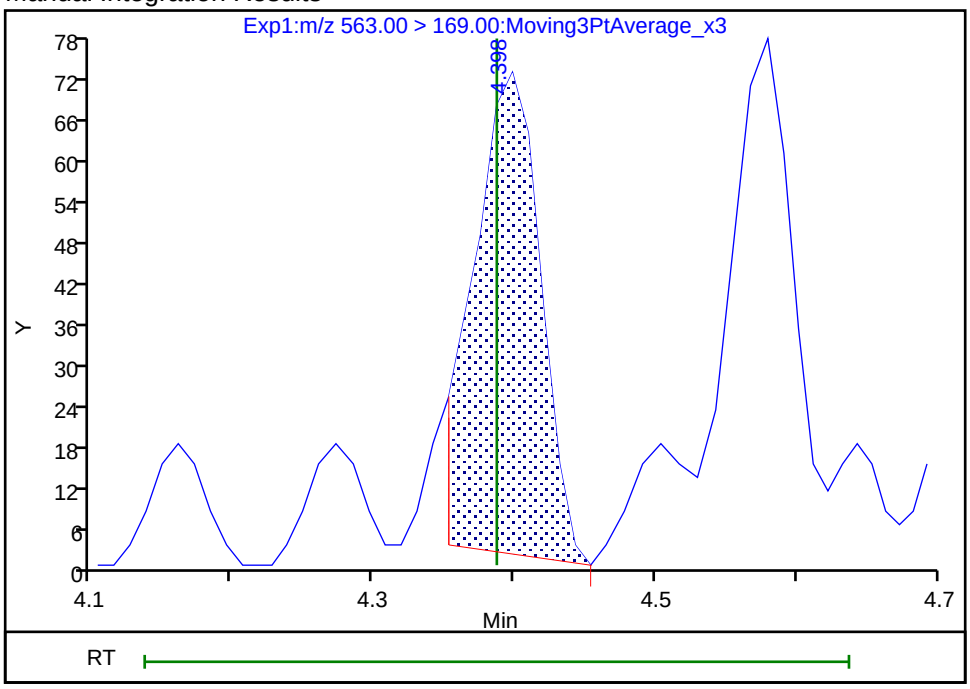
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.40
Area: 233
Amount: 0.001980
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:24:18
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

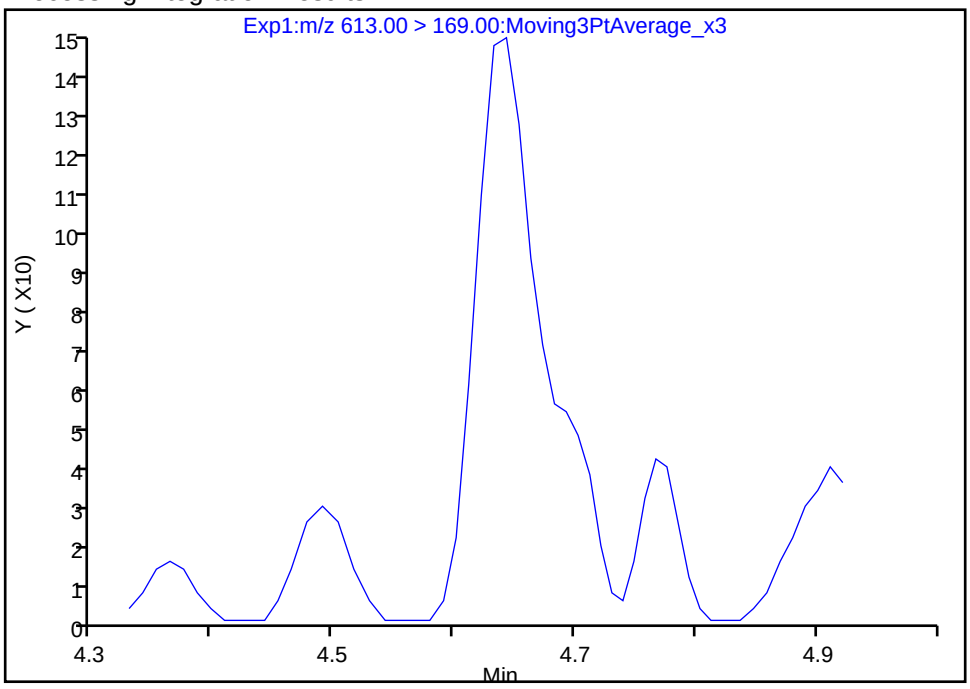
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d				
Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

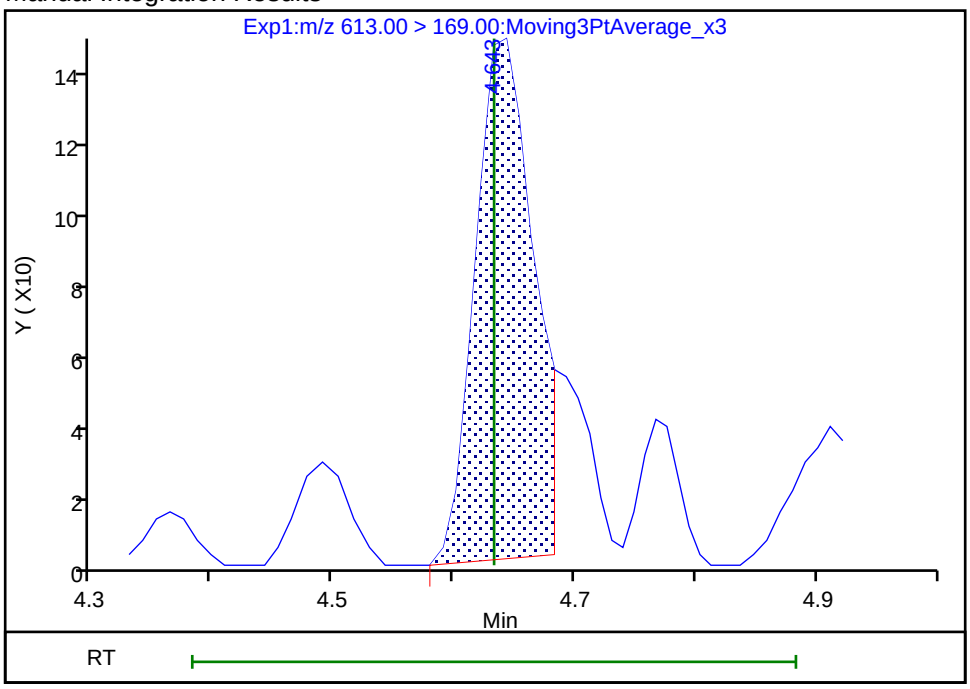
Not Detected
Expected RT: 4.63

Processing Integration Results



Manual Integration Results

RT: 4.64
Area: 483
Amount: 0.004022
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:24:41
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

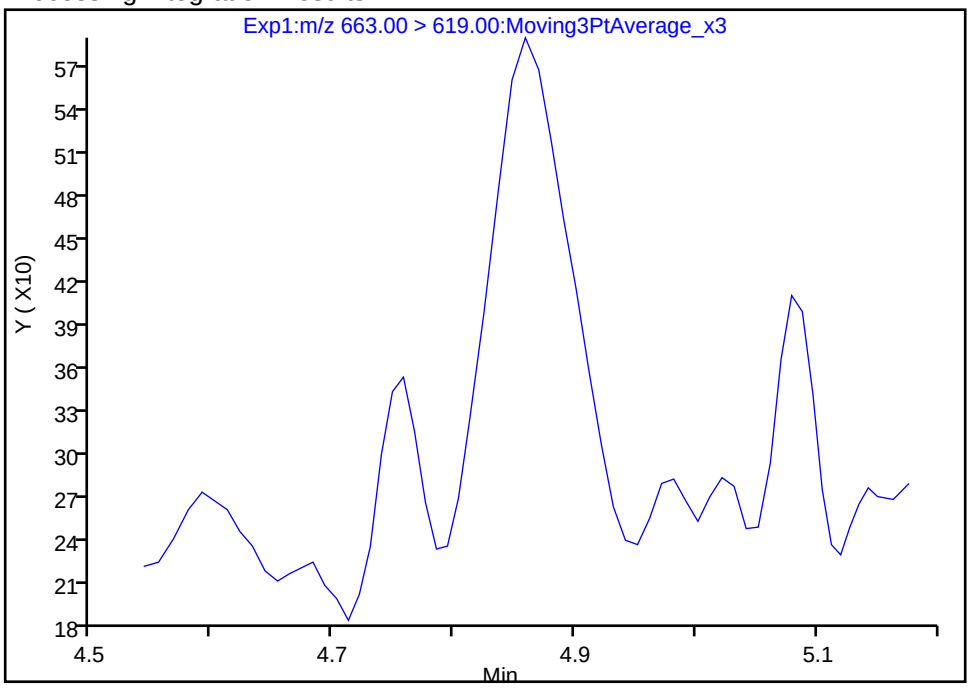
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d				
Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

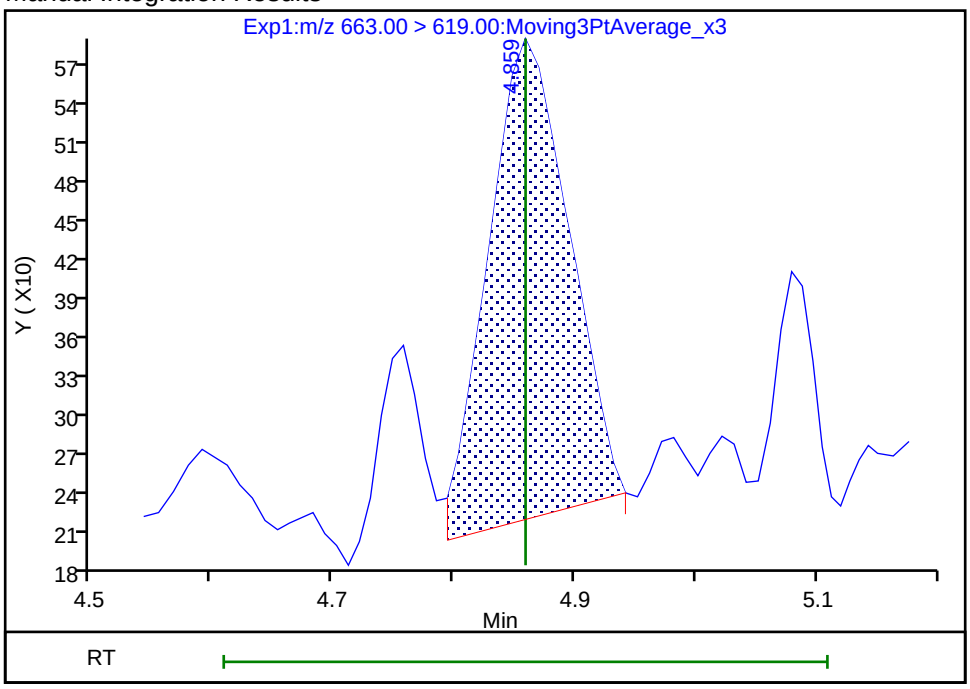
Not Detected
Expected RT: 4.86

Processing Integration Results



Manual Integration Results

RT: 4.86
Area: 1695
Amount: 0.002141
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:24:53
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

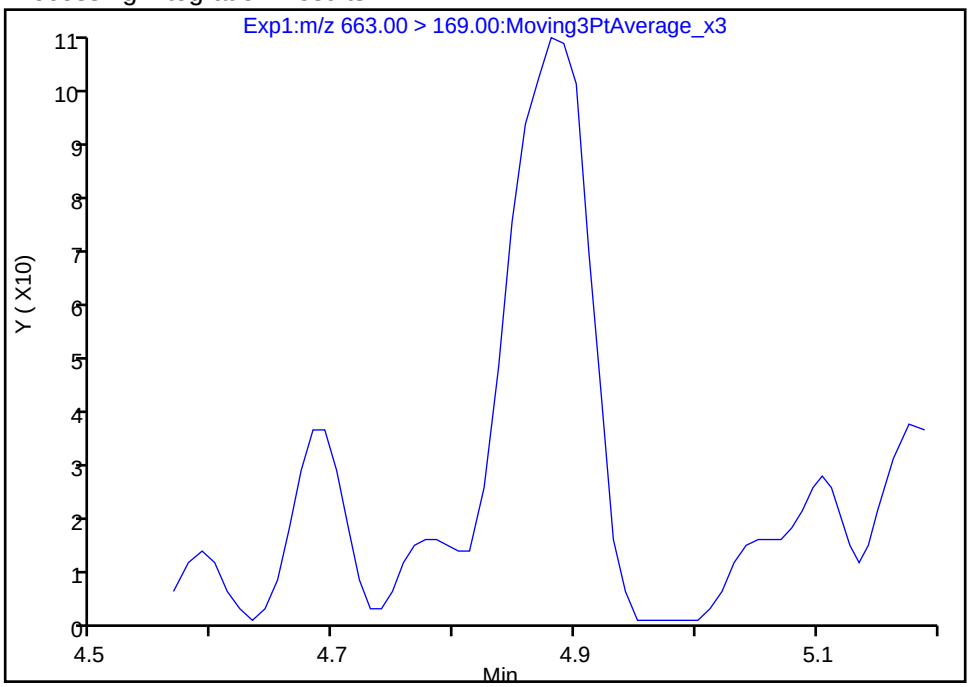
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d				
Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

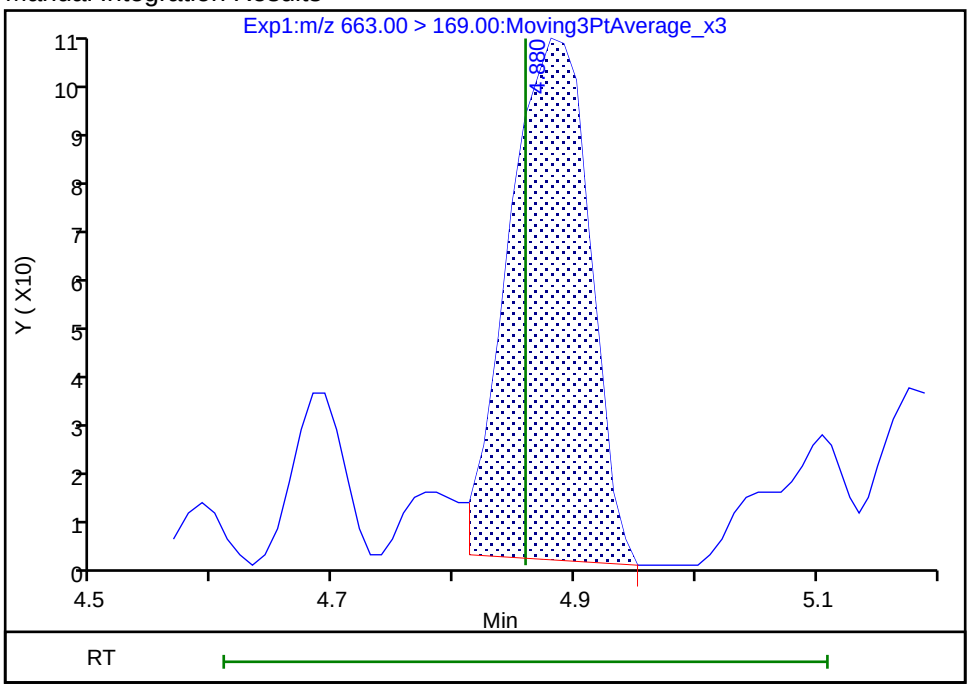
Not Detected
Expected RT: 4.86

Processing Integration Results



Manual Integration Results

RT: 4.88
Area: 463
Amount: 0.002141
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:24:54
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

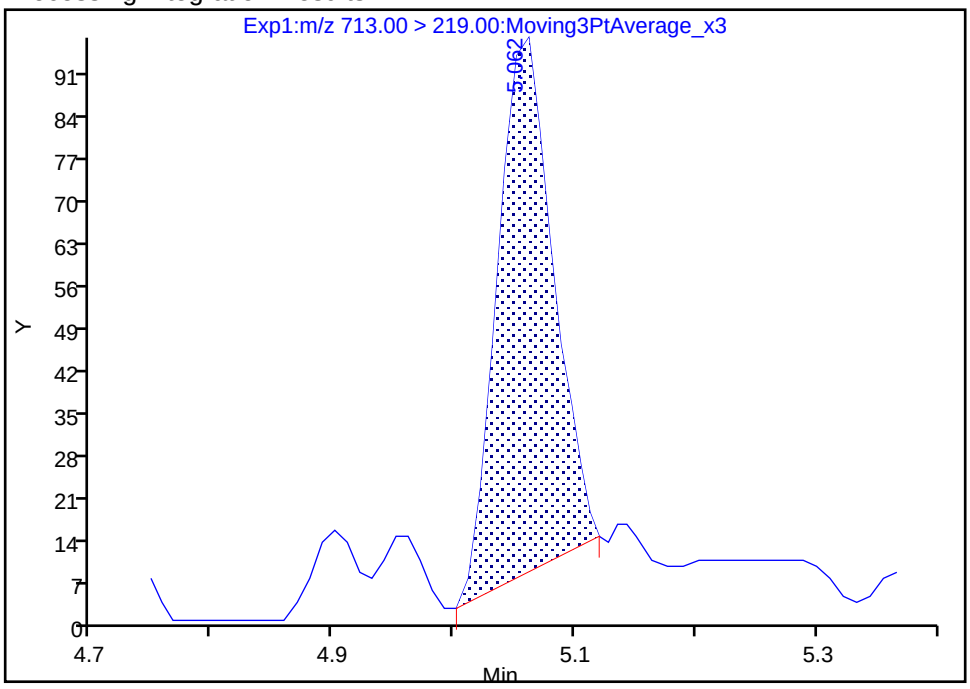
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d				
Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

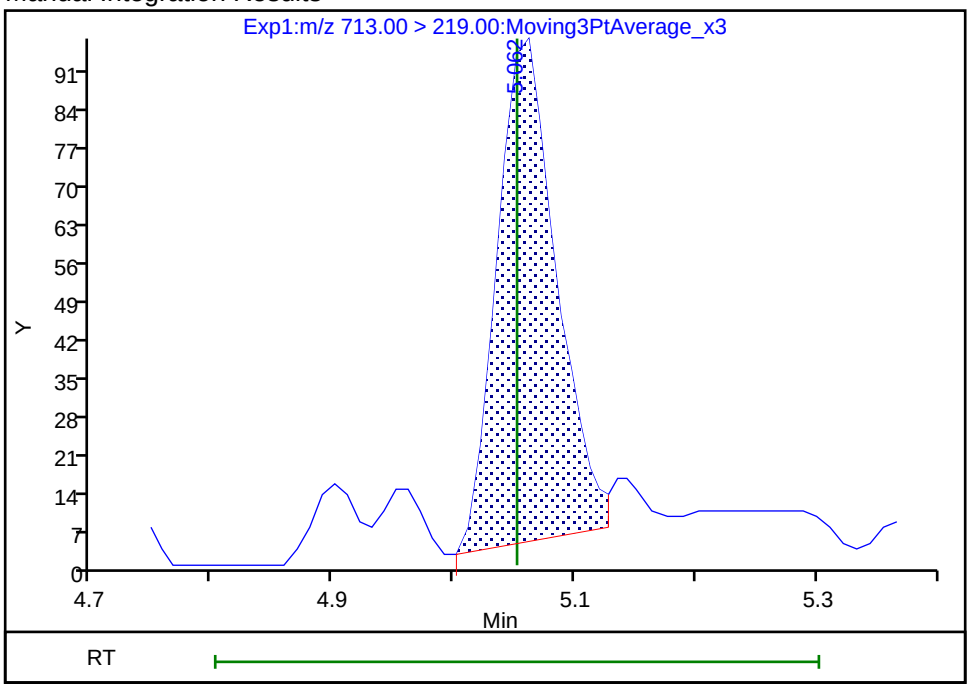
Processing Integration Results

RT: 5.06
Area: 287
Amount: 0.002527
Amount Units: ng/ml



Manual Integration Results

RT: 5.06
Area: 316
Amount: 0.003531
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:25:16

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

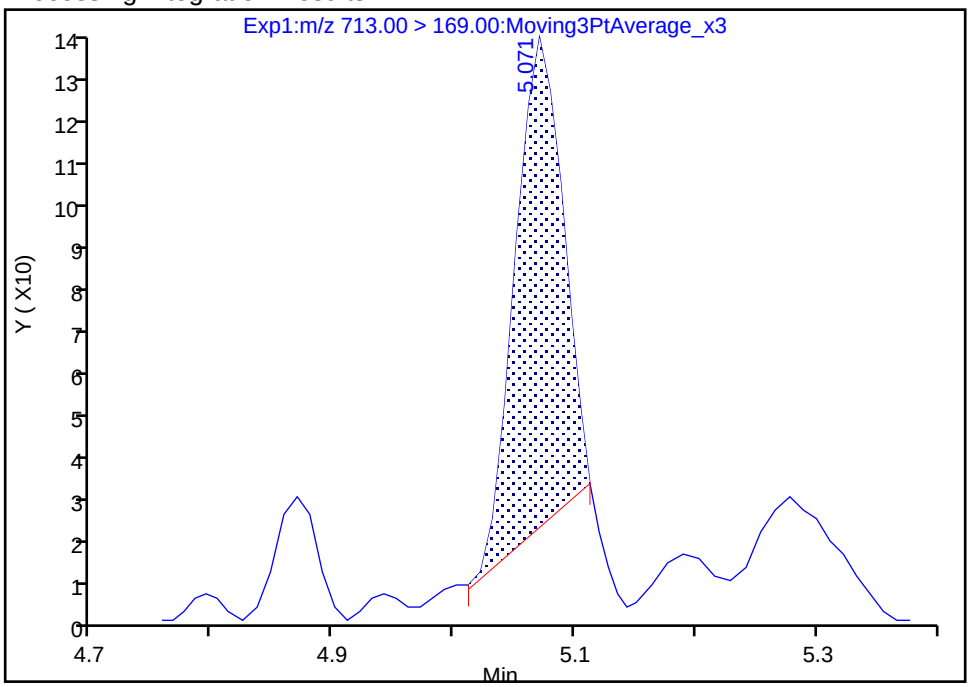
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Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

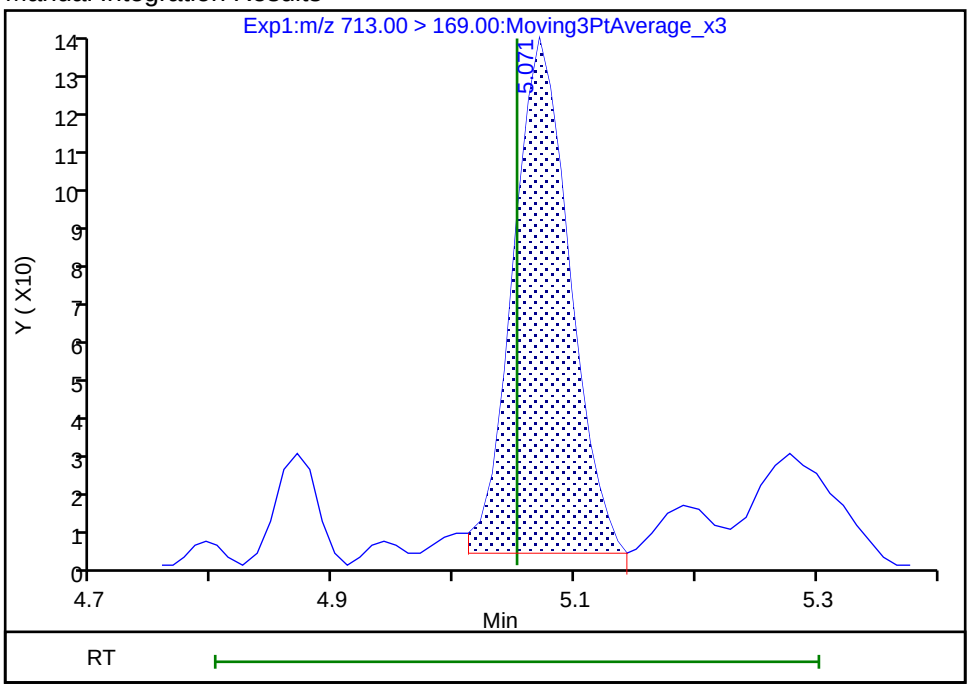
Processing Integration Results

RT: 5.07
Area: 305
Amount: 0.002527
Amount Units: ng/ml



Manual Integration Results

RT: 5.07
Area: 421
Amount: 0.003531
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:25:23

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

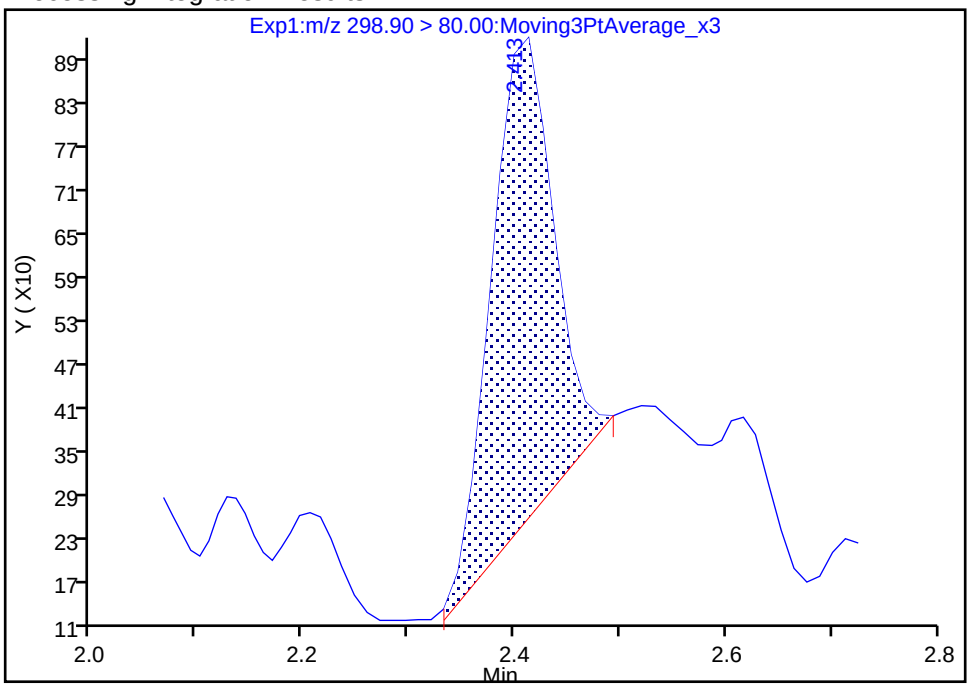
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d				
Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

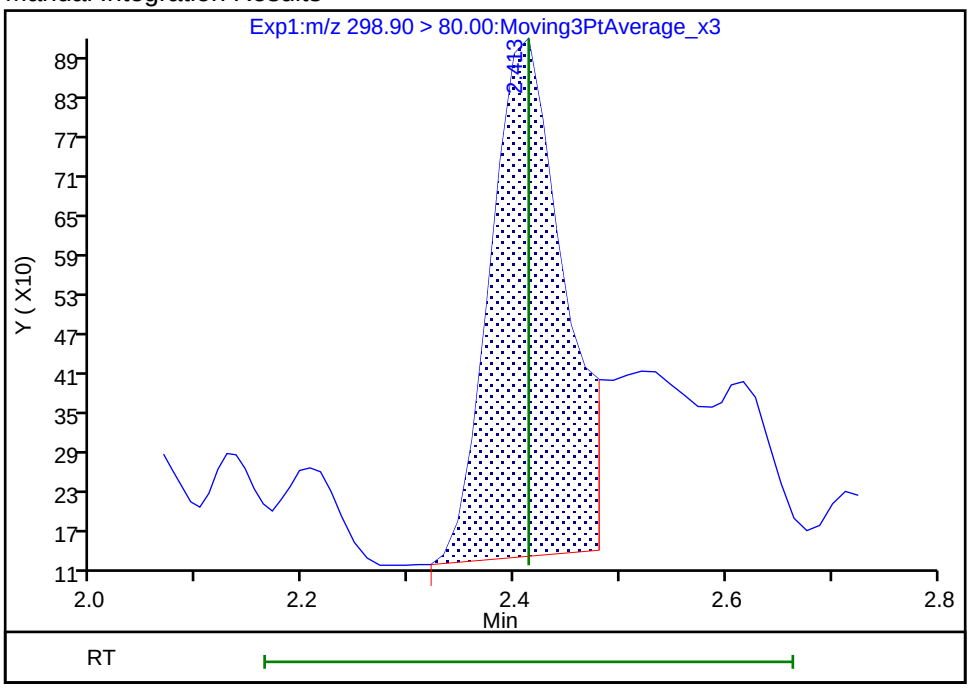
Processing Integration Results

RT: 2.41
Area: 2771
Amount: 0.002234
Amount Units: ng/ml



Manual Integration Results

RT: 2.41
Area: 3797
Amount: 0.003062
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:20:39

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

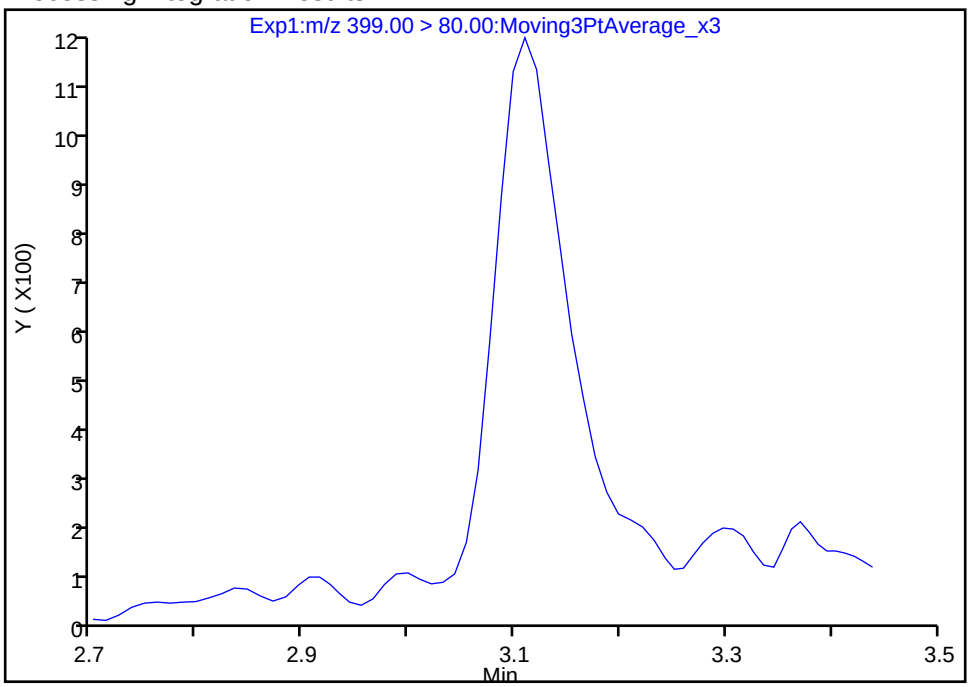
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Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

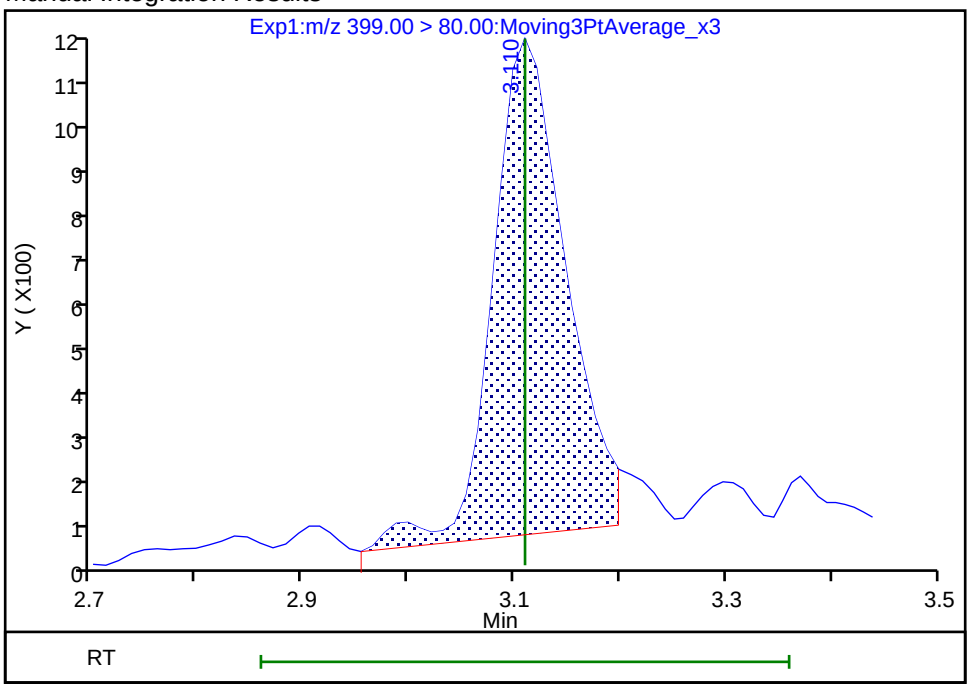
Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results

RT: 3.11
Area: 5059
Amount: 0.005881
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:21:10
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

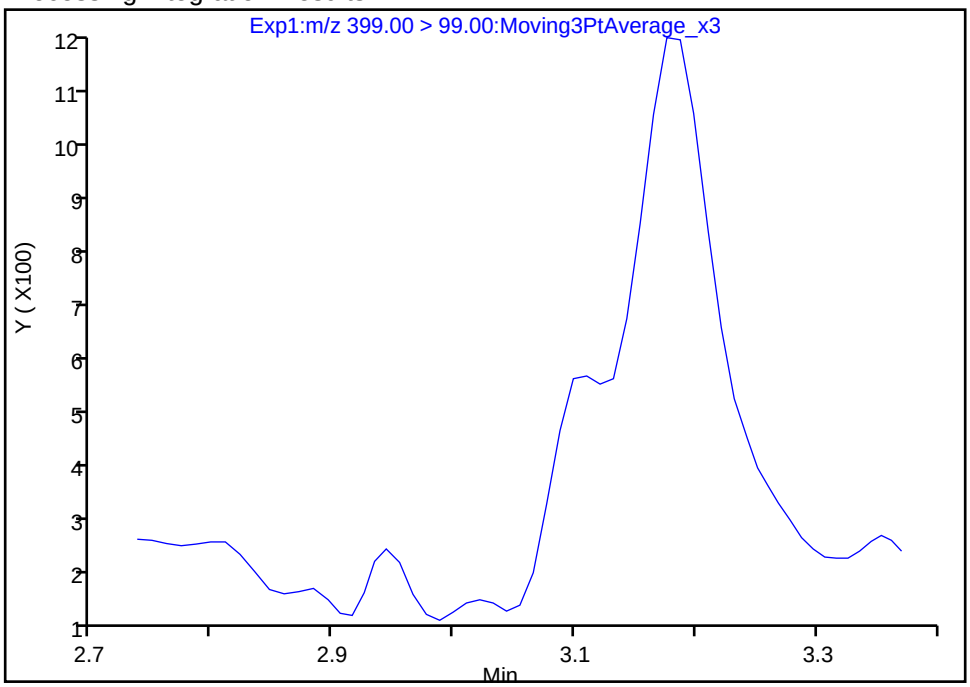
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d				
Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

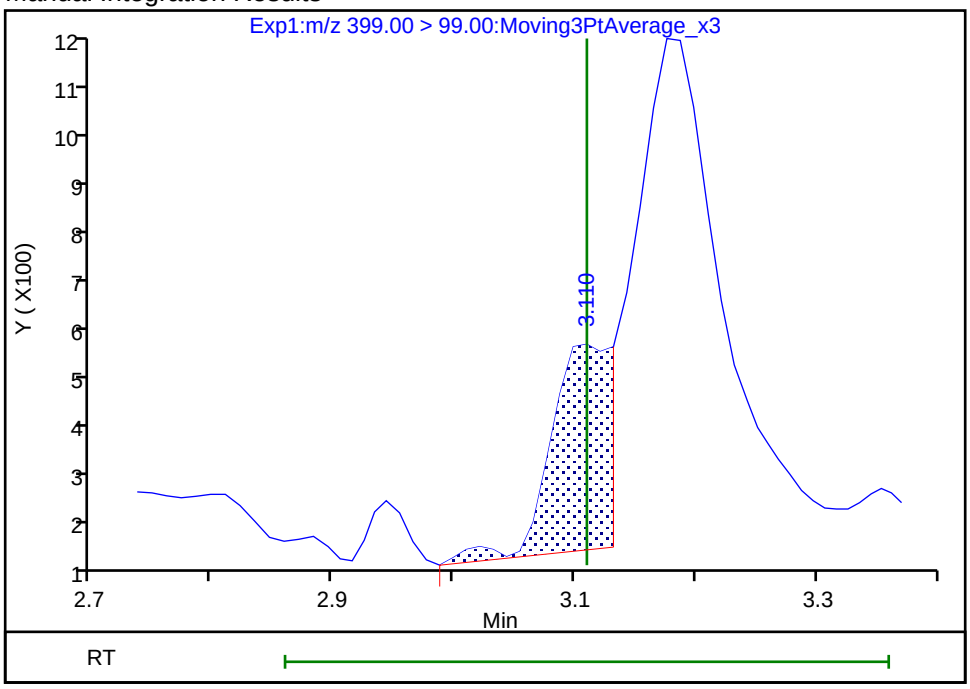
Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results

RT: 3.11
Area: 1417
Amount: 0.005881
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:21:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

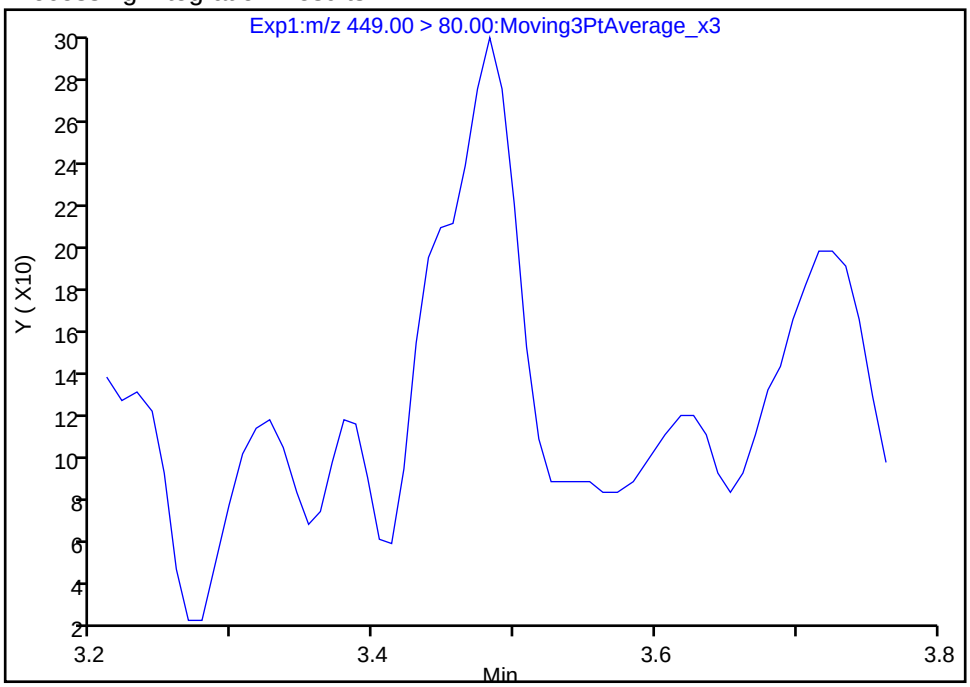
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Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

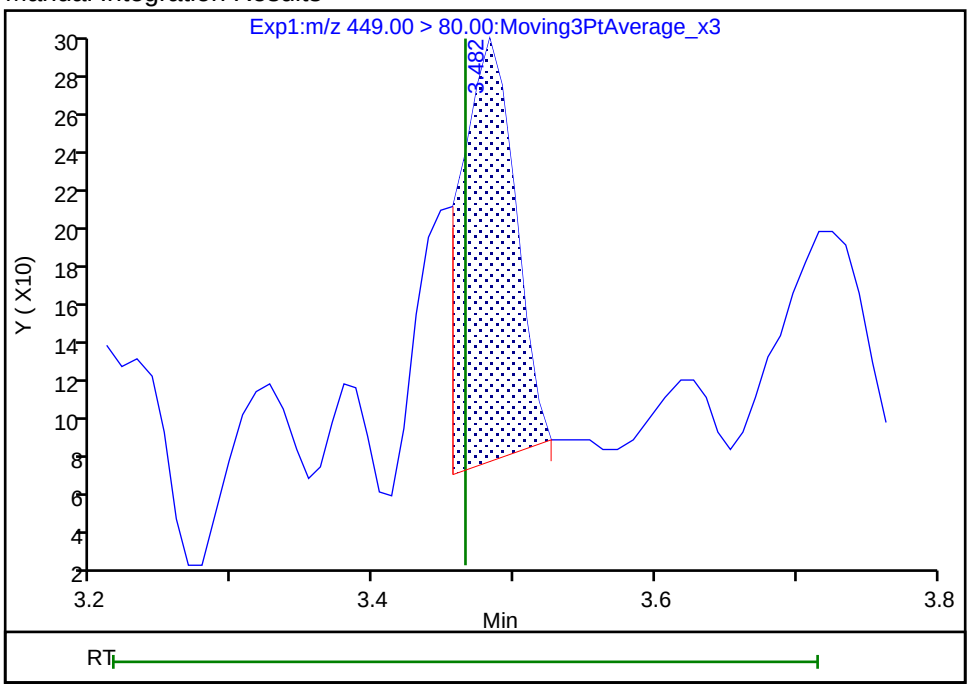
Not Detected
Expected RT: 3.47

Processing Integration Results



Manual Integration Results

RT: 3.48
Area: 558
Amount: 0.000805
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:22:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

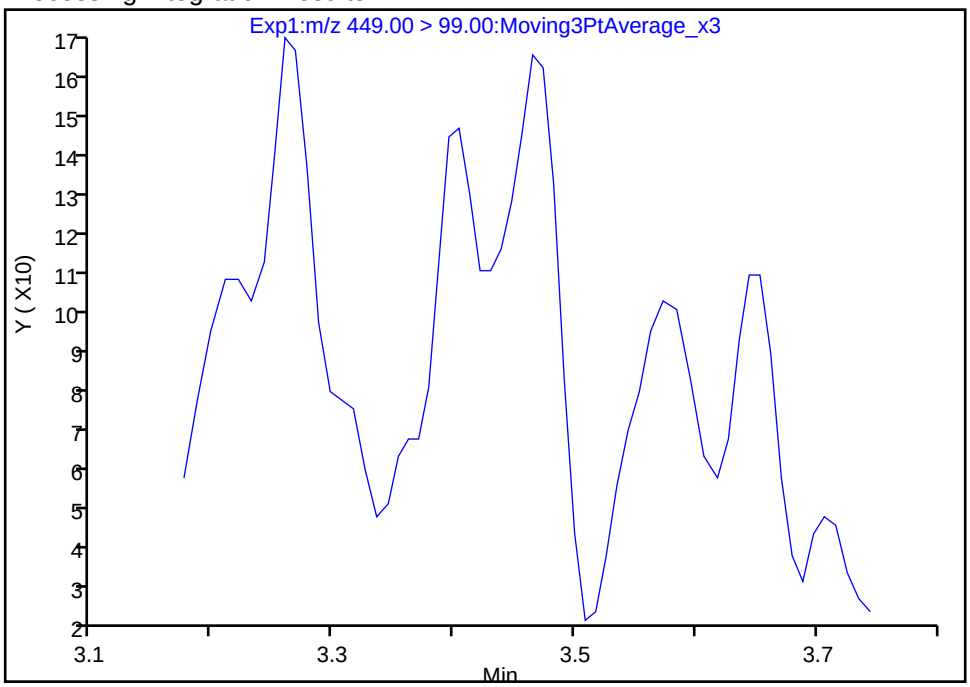
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d				
Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

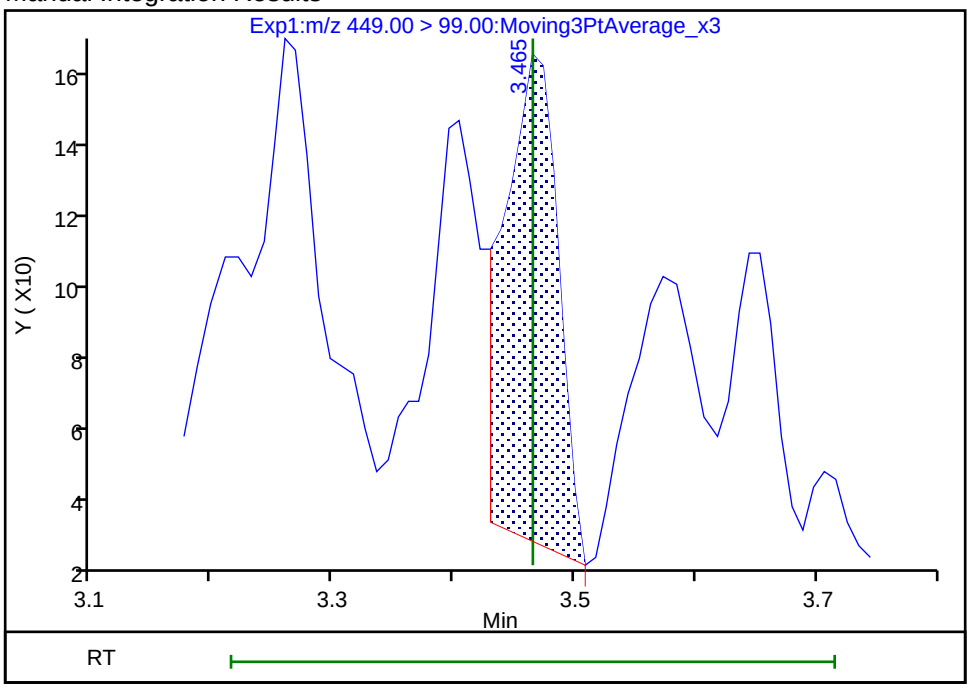
Not Detected
Expected RT: 3.47

Processing Integration Results



Manual Integration Results

RT: 3.46
Area: 377
Amount: 0.000805
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:22:09
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

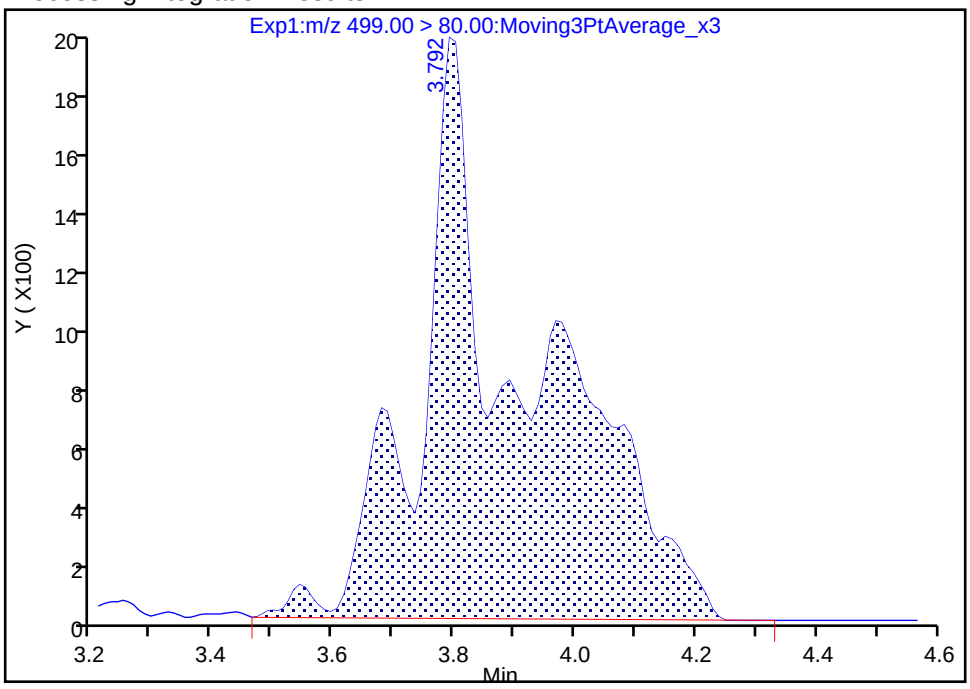
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d				
Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

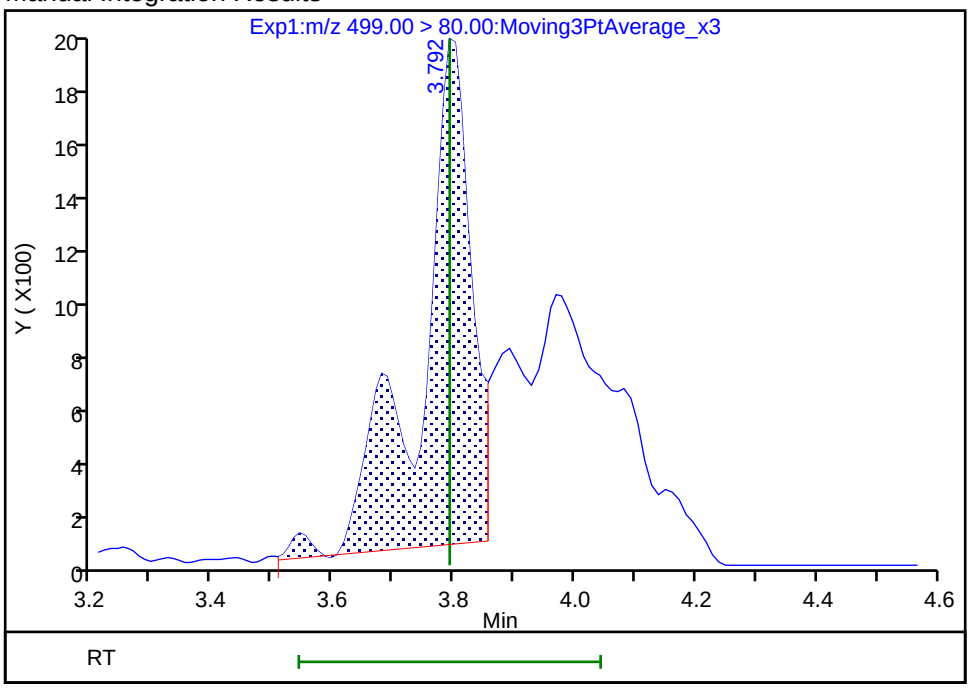
Processing Integration Results

RT: 3.79
Area: 24519
Amount: 0.025467
Amount Units: ng/ml



Manual Integration Results

RT: 3.79
Area: 10786
Amount: 0.000857
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:46:03

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

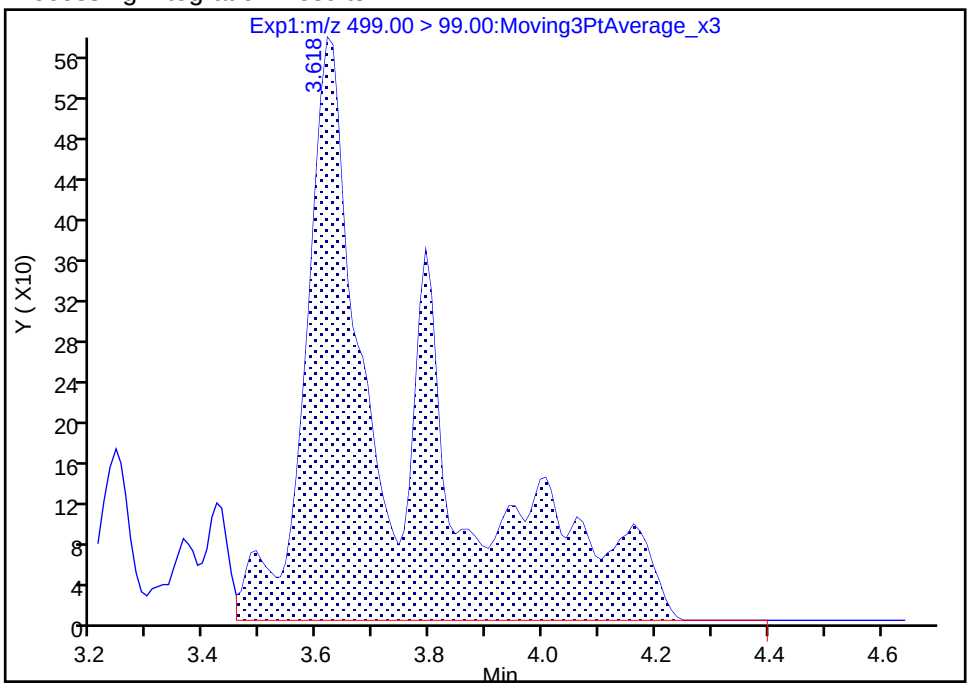
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d				
Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

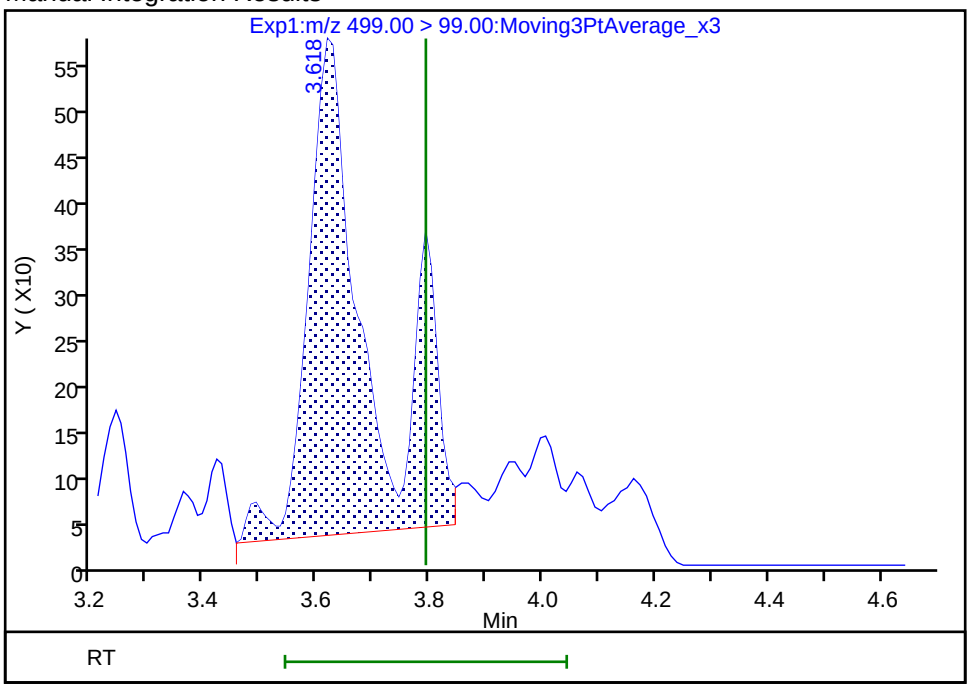
Processing Integration Results

RT: 3.62
Area: 6747
Amount: 0.025467
Amount Units: ng/ml



Manual Integration Results

RT: 3.62
Area: 3995
Amount: 0.000857
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:46:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

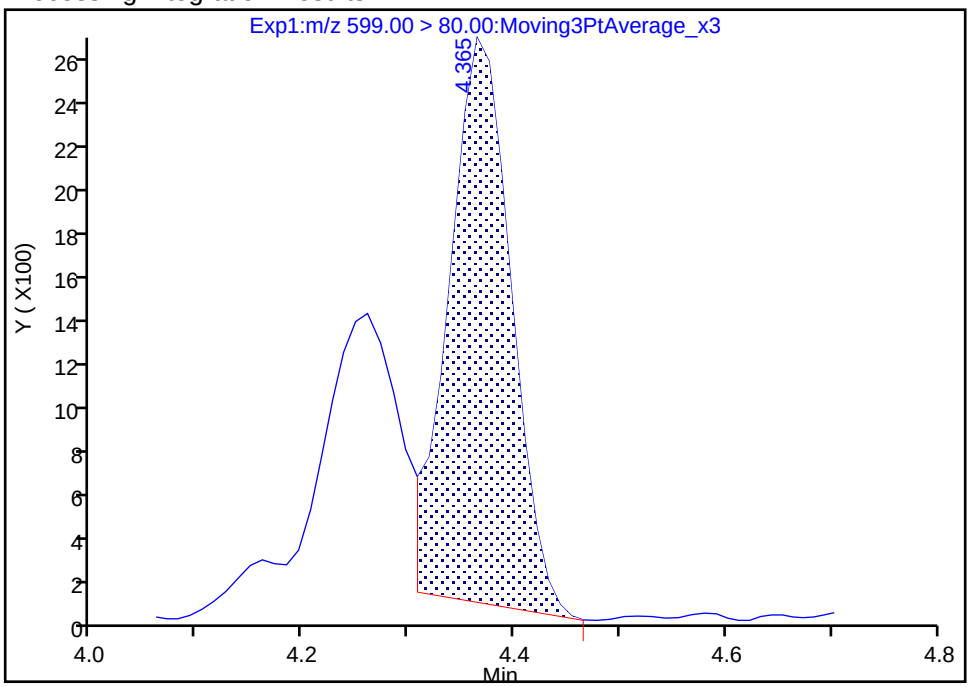
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d				
Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

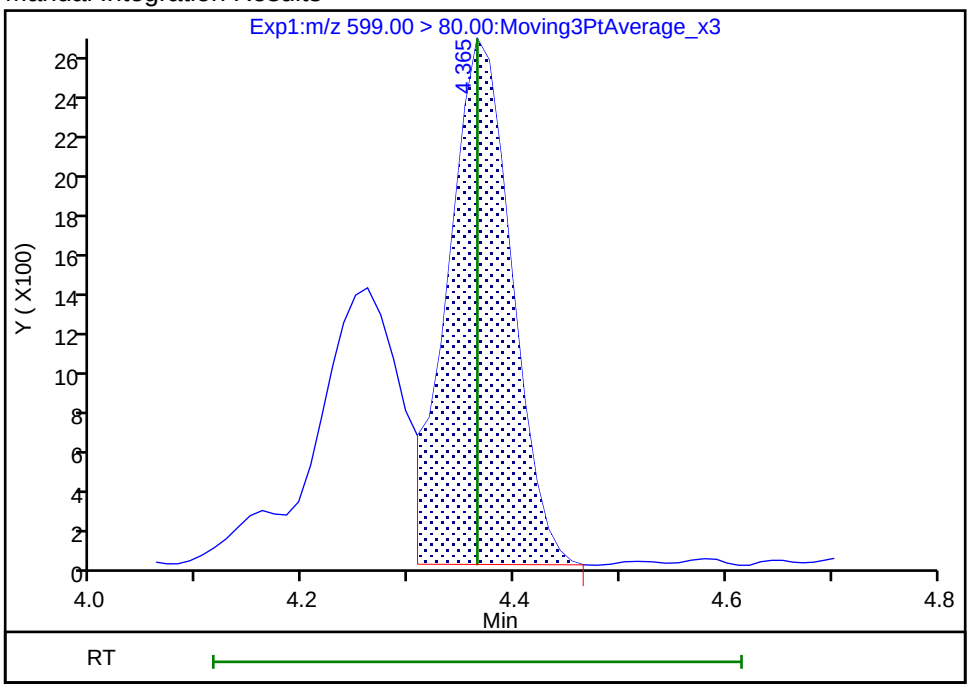
Processing Integration Results

RT: 4.36
Area: 10244
Amount: 0.031348
Amount Units: ng/ml



Manual Integration Results

RT: 4.36
Area: 10799
Amount: 0.033047
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:24:00

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

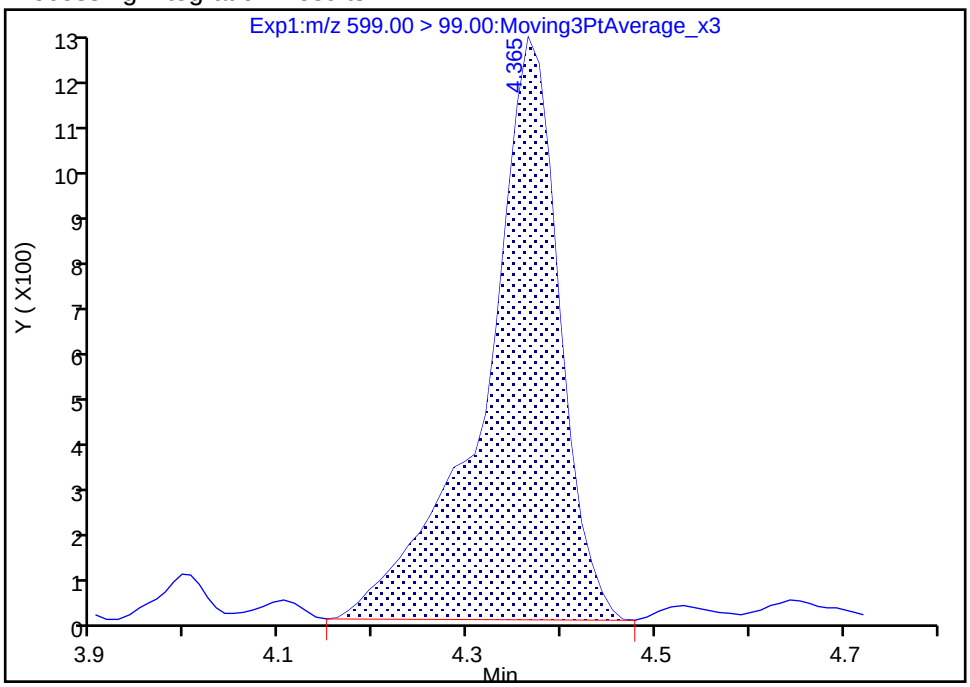
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d				
Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

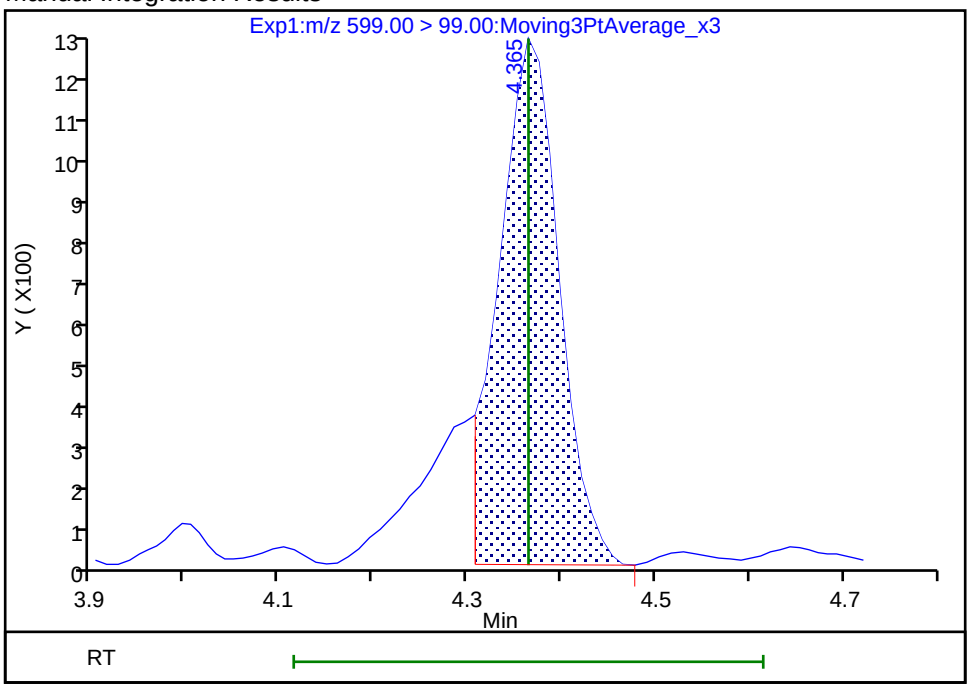
Processing Integration Results

RT: 4.36
Area: 7018
Amount: 0.031348
Amount Units: ng/ml



Manual Integration Results

RT: 4.36
Area: 5542
Amount: 0.033047
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:24:03
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

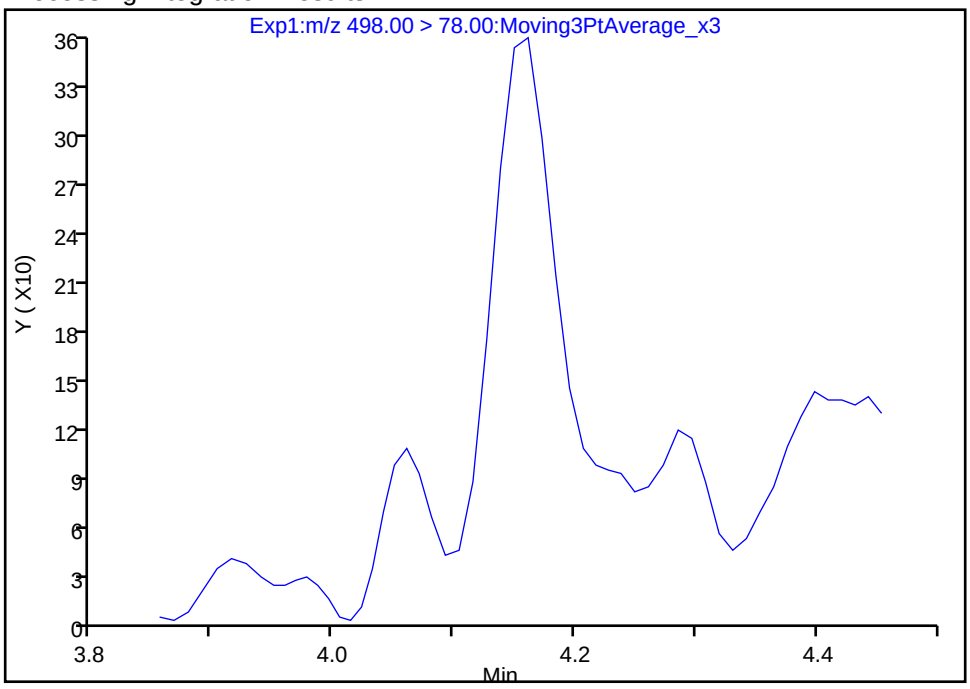
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d				
Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

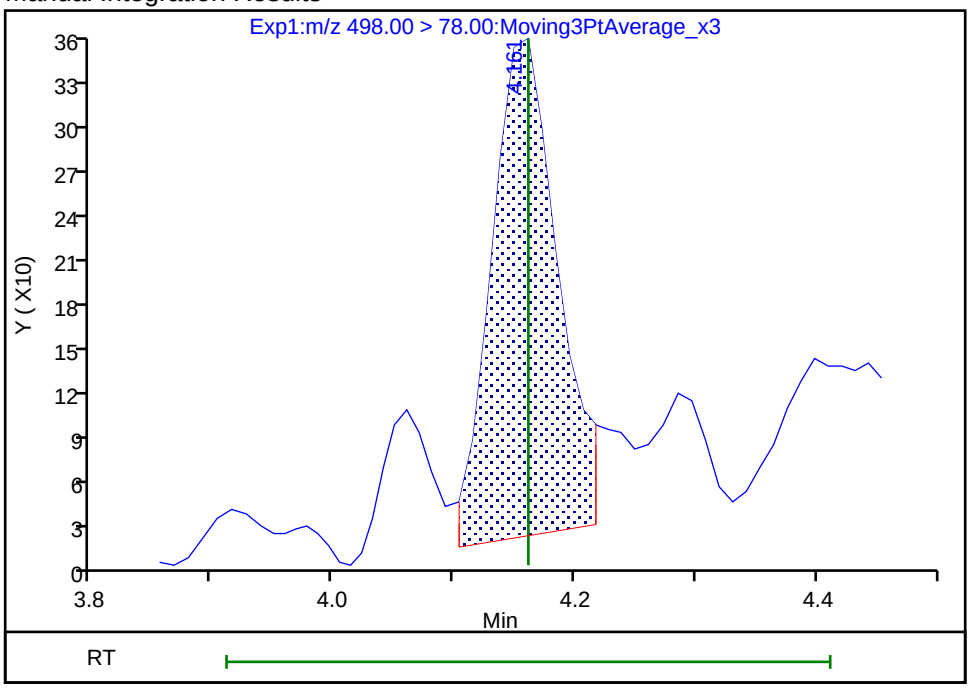
Not Detected
Expected RT: 4.16

Processing Integration Results



Manual Integration Results

RT: 4.16
Area: 1246
Amount: 0.001447
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:46:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

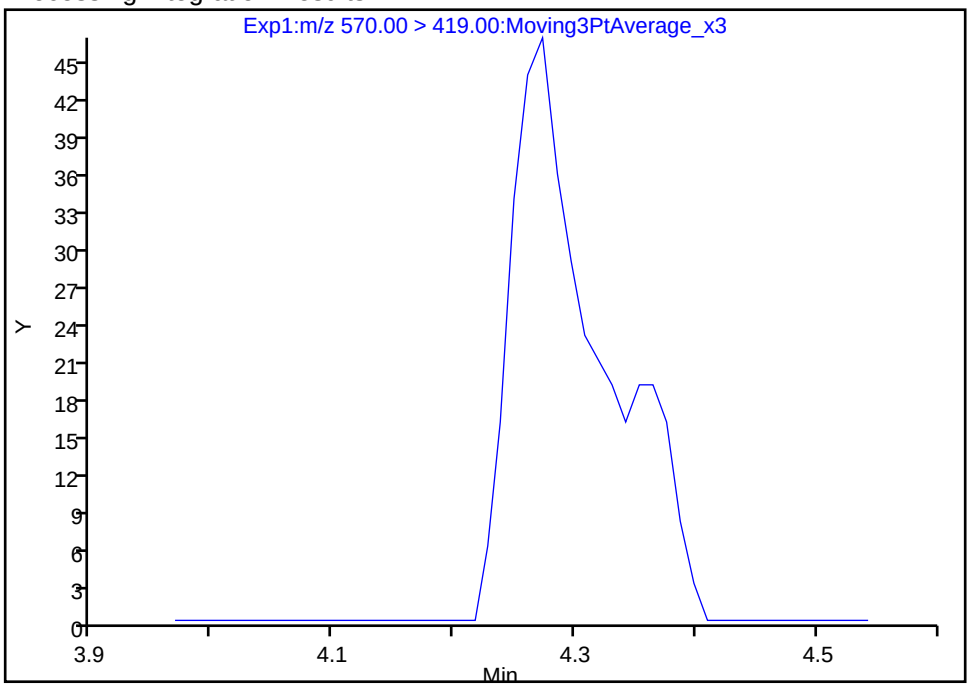
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d				
Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

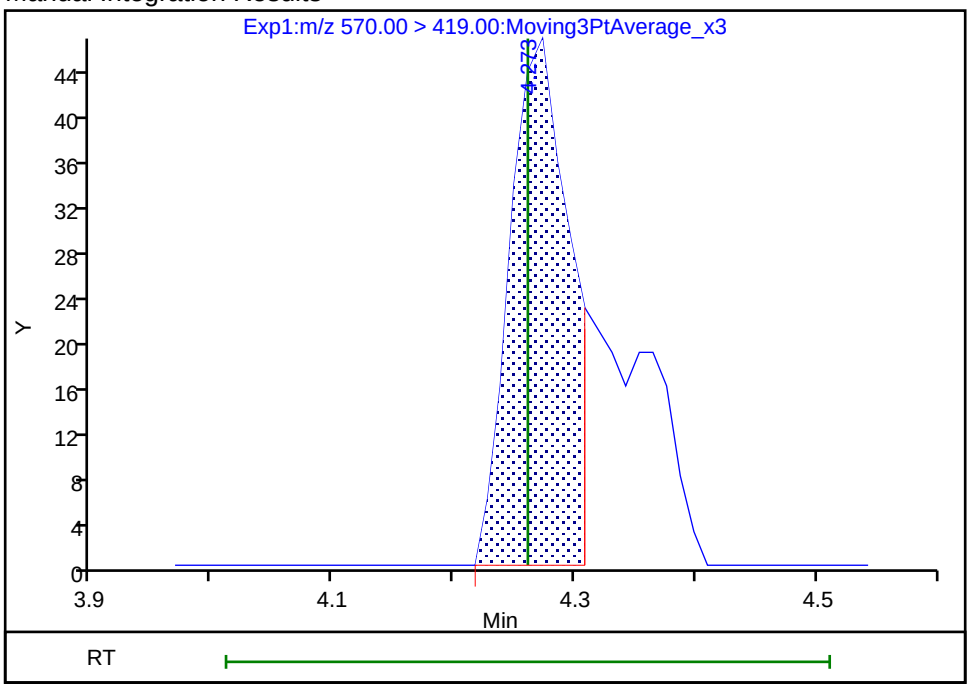
Not Detected
Expected RT: 4.26

Processing Integration Results



Manual Integration Results

RT: 4.27
Area: 156
Amount: 0.001385
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:23:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

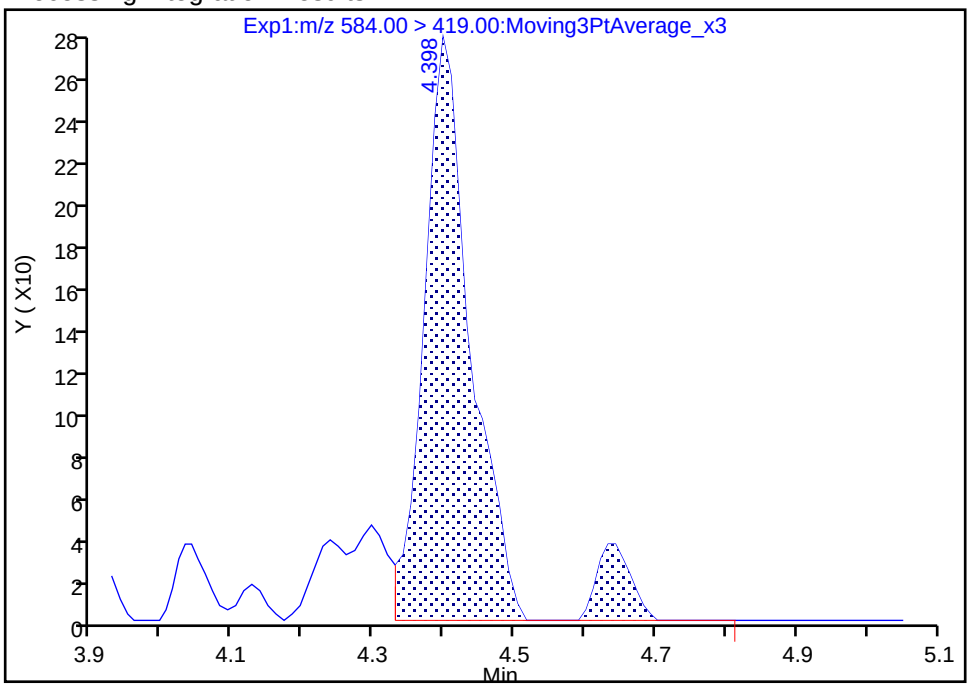
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d				
Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

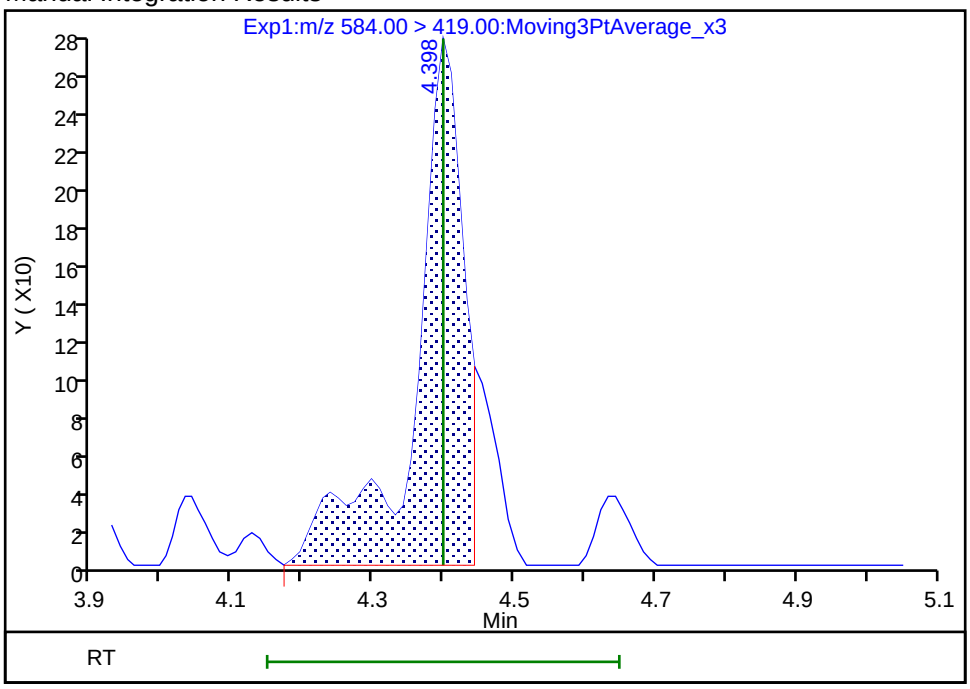
Processing Integration Results

RT: 4.40
Area: 1370
Amount: 0.012509
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 1296
Amount: 0.011934
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:24:31

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

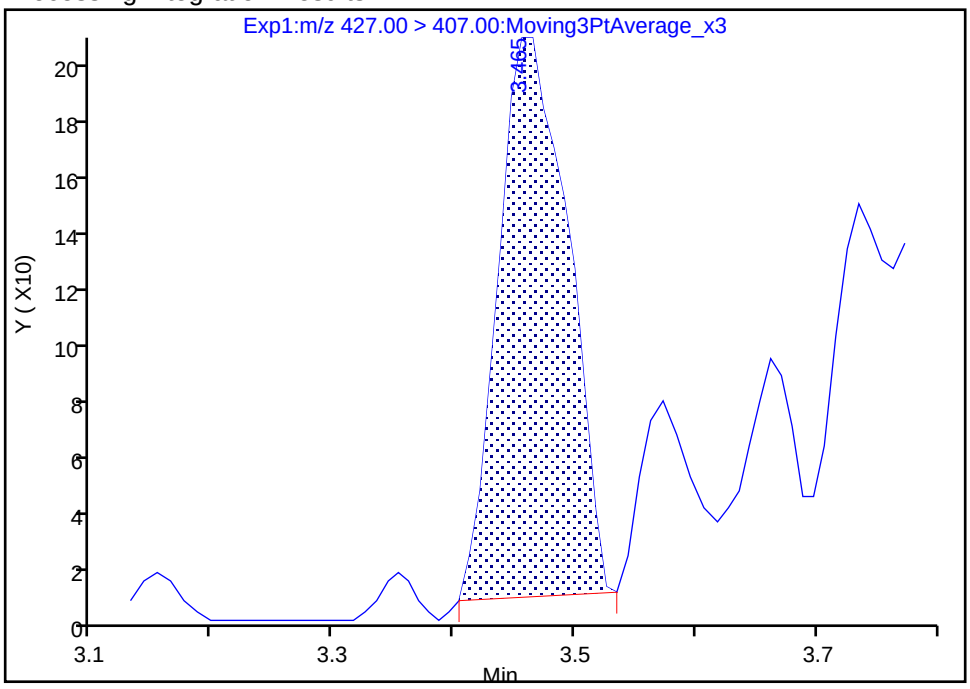
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Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

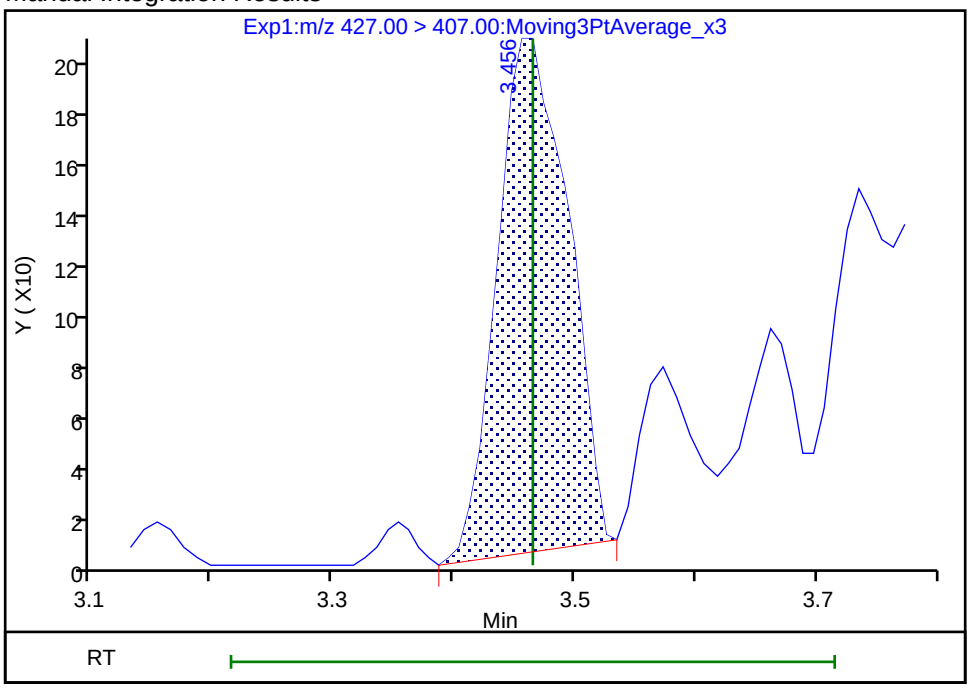
Processing Integration Results

RT: 3.46
Area: 798
Amount: -0.012428
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 824
Amount: -0.012286
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:21:48

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

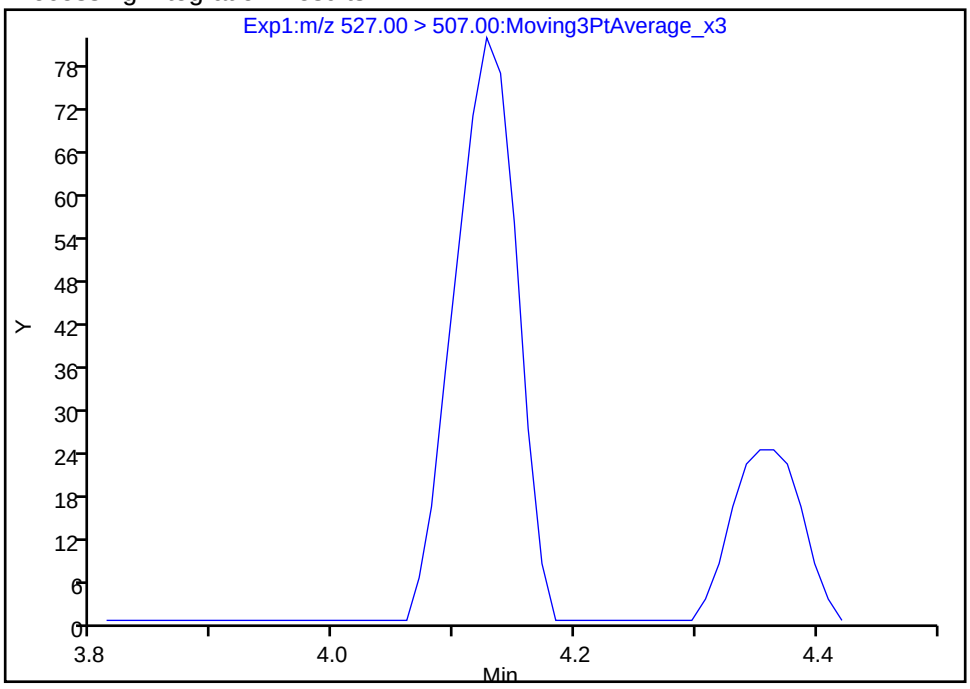
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d				
Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

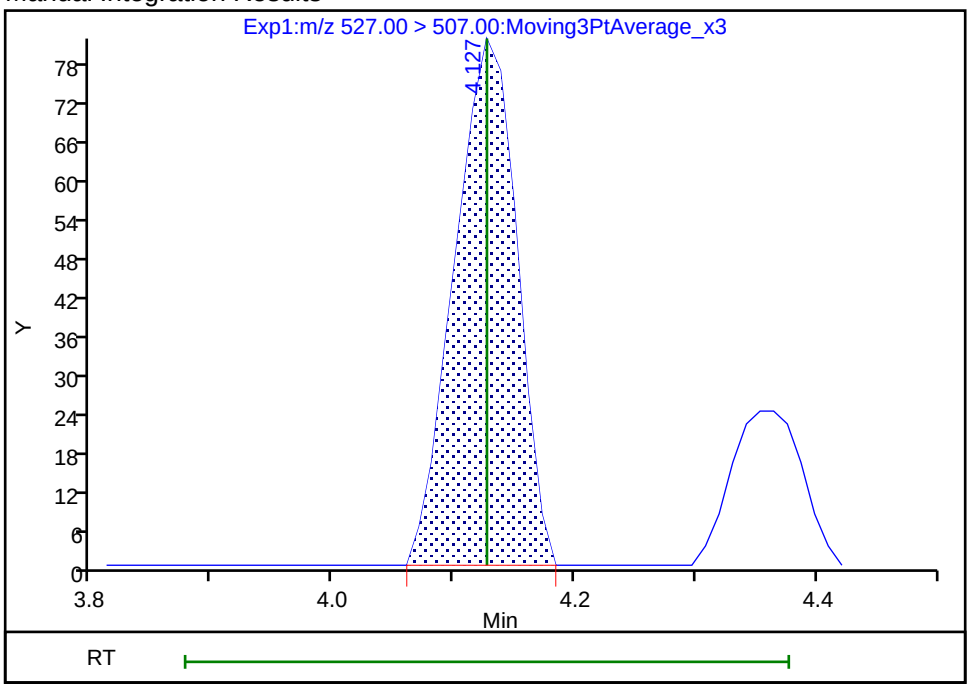
Not Detected
Expected RT: 4.13

Processing Integration Results



Manual Integration Results

RT: 4.13
Area: 294
Amount: 0.002035
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:23:31
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

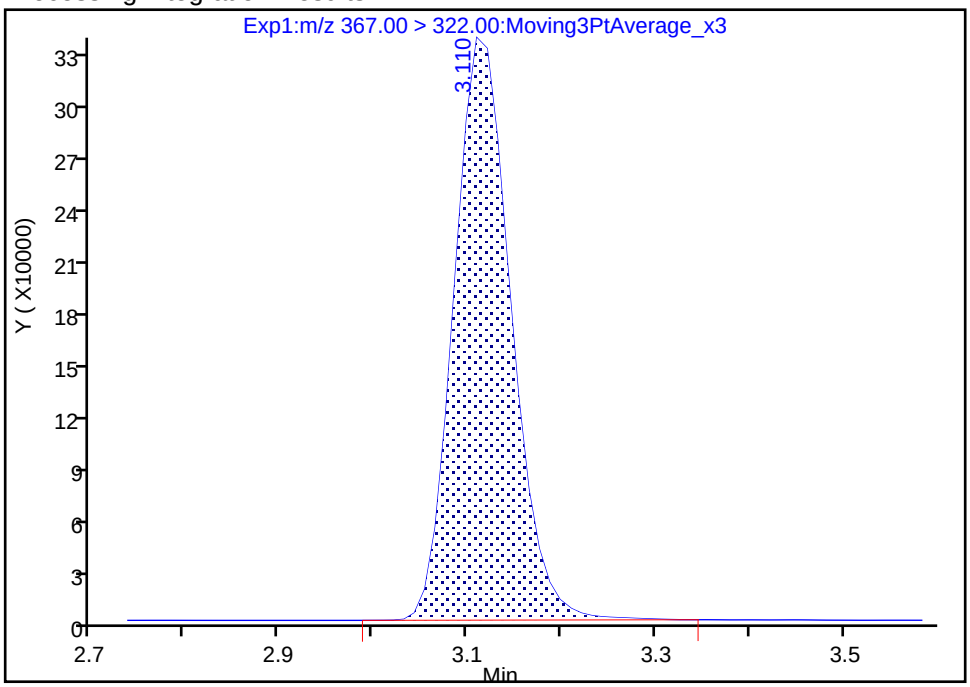
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Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 9 13C4 PFHpA, CAS: STL01892

Signal: 1

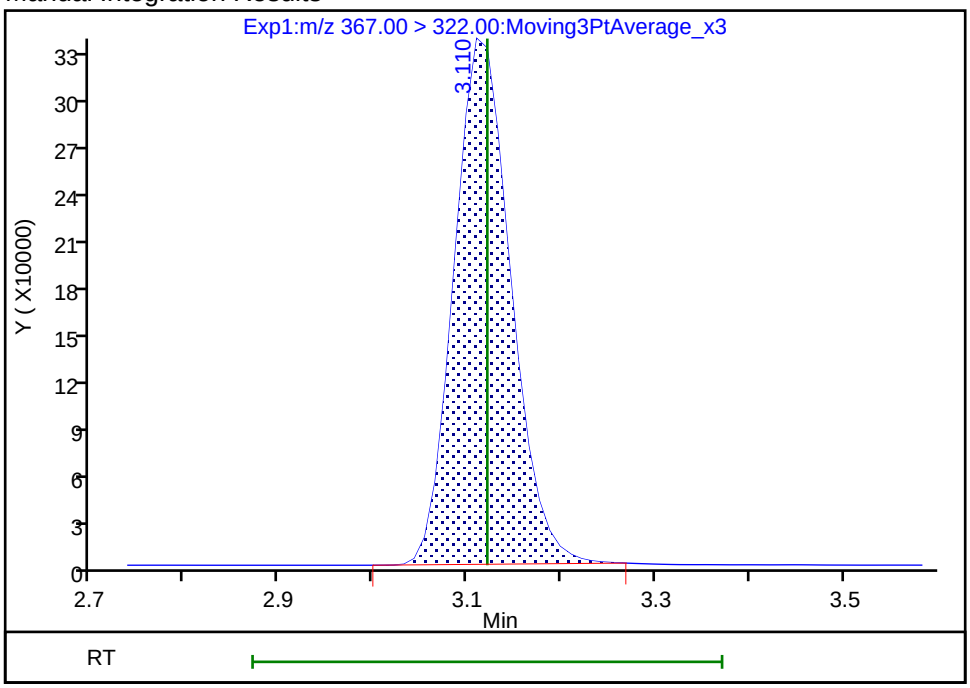
Processing Integration Results

RT: 3.11
Area: 1412048
Amount: 1.163654
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 1401532
Amount: 1.154988
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:45:35

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

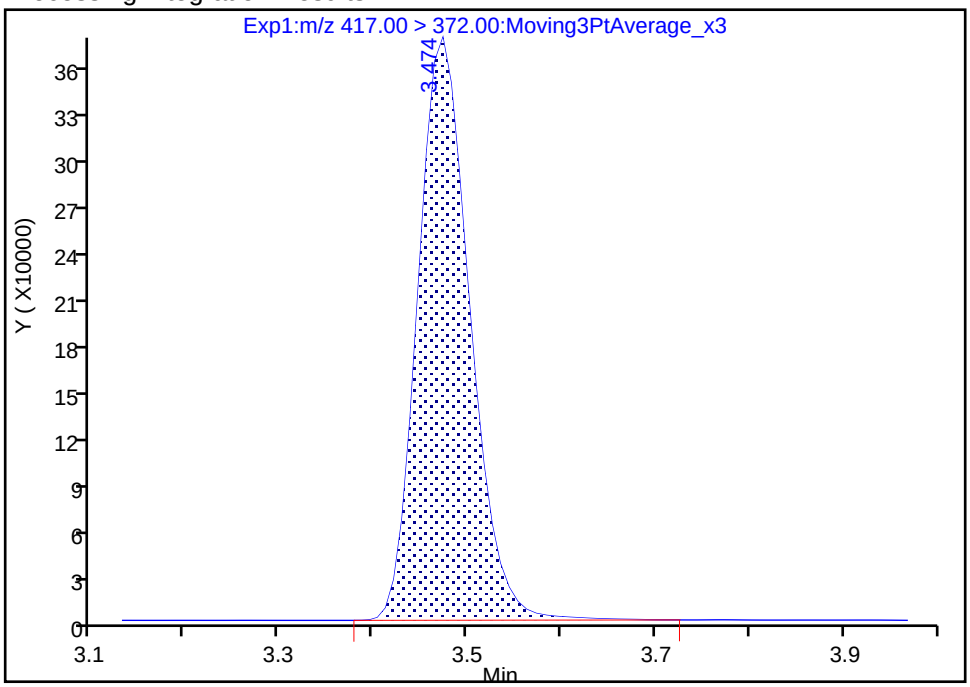
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d				
Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

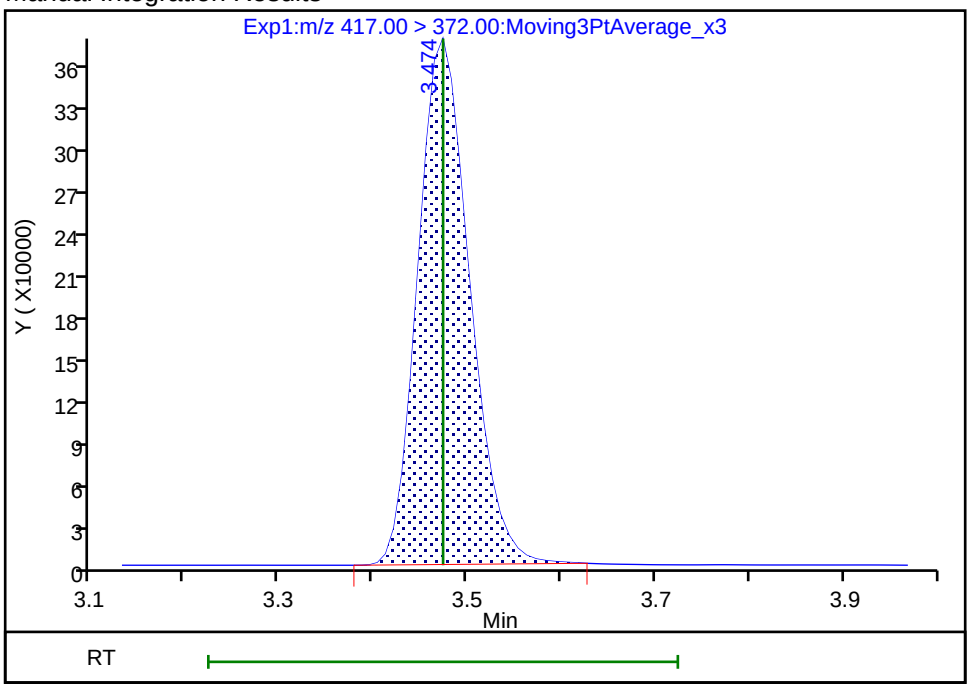
Processing Integration Results

RT: 3.47
Area: 1436837
Amount: 1.155560
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 1425708
Amount: 1.146610
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:45:46

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

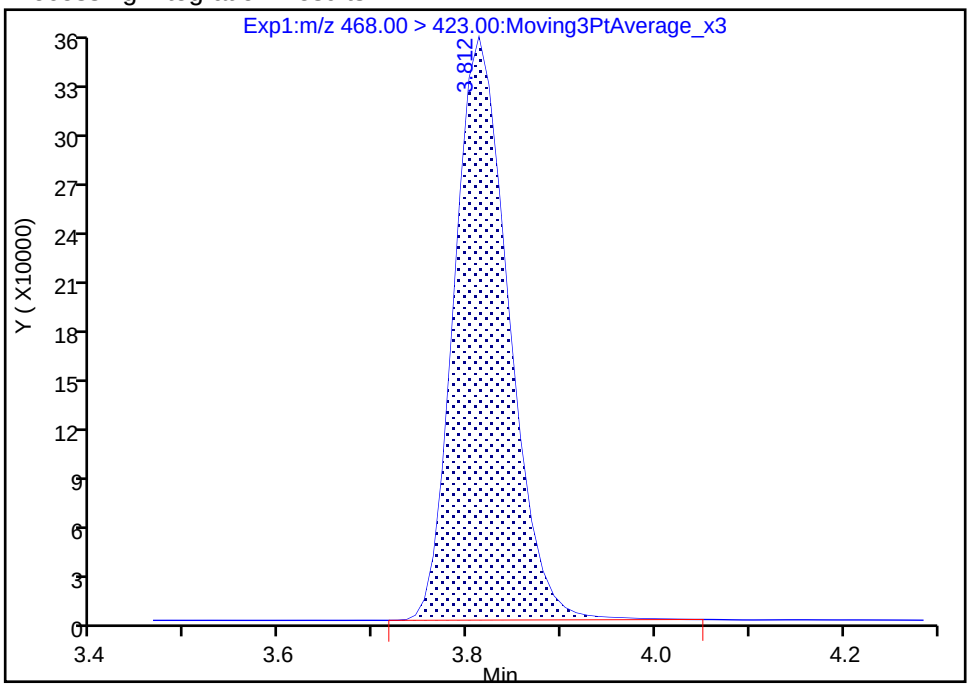
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d				
Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

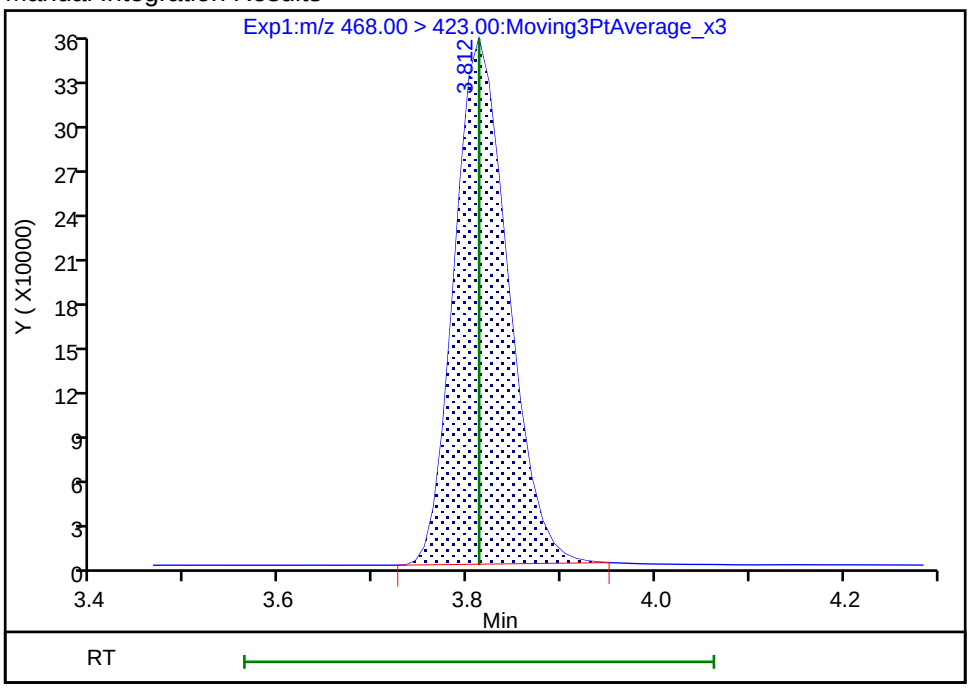
Processing Integration Results

RT: 3.81
Area: 1436642
Amount: 1.112914
Amount Units: ng/ml



Manual Integration Results

RT: 3.81
Area: 1424212
Amount: 1.103285
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:46:22

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

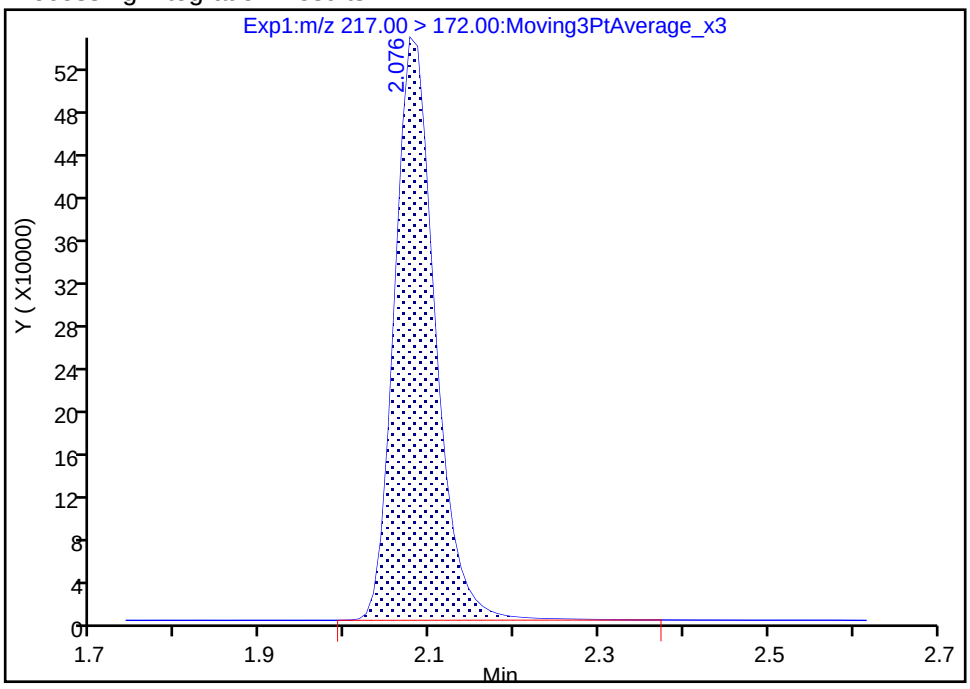
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d				
Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

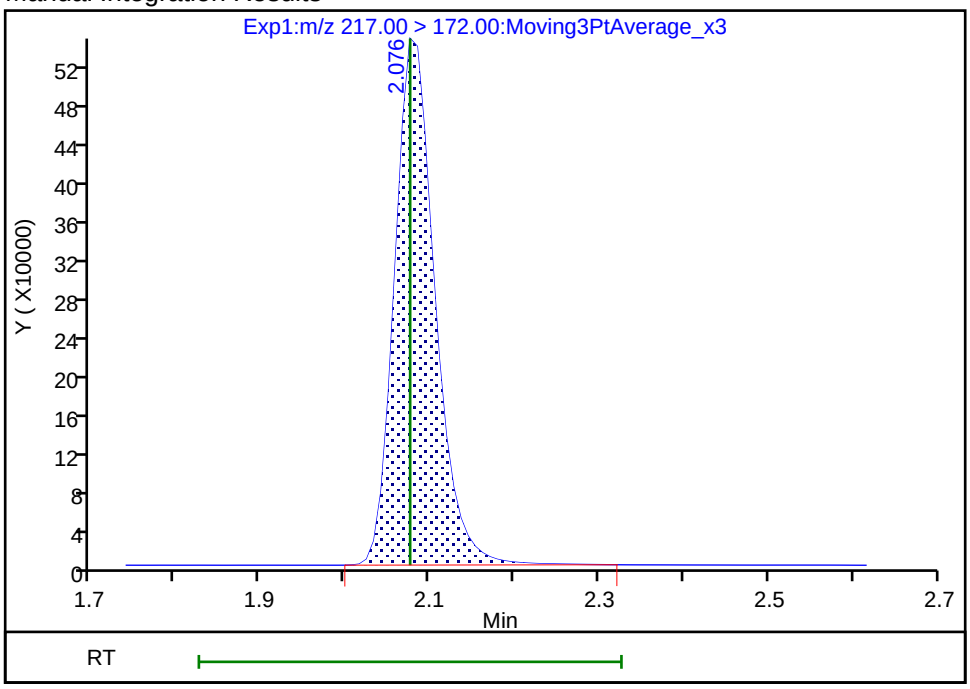
Processing Integration Results

RT: 2.08
Area: 1800254
Amount: 1.181707
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 1797910
Amount: 1.180168
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:45:21

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

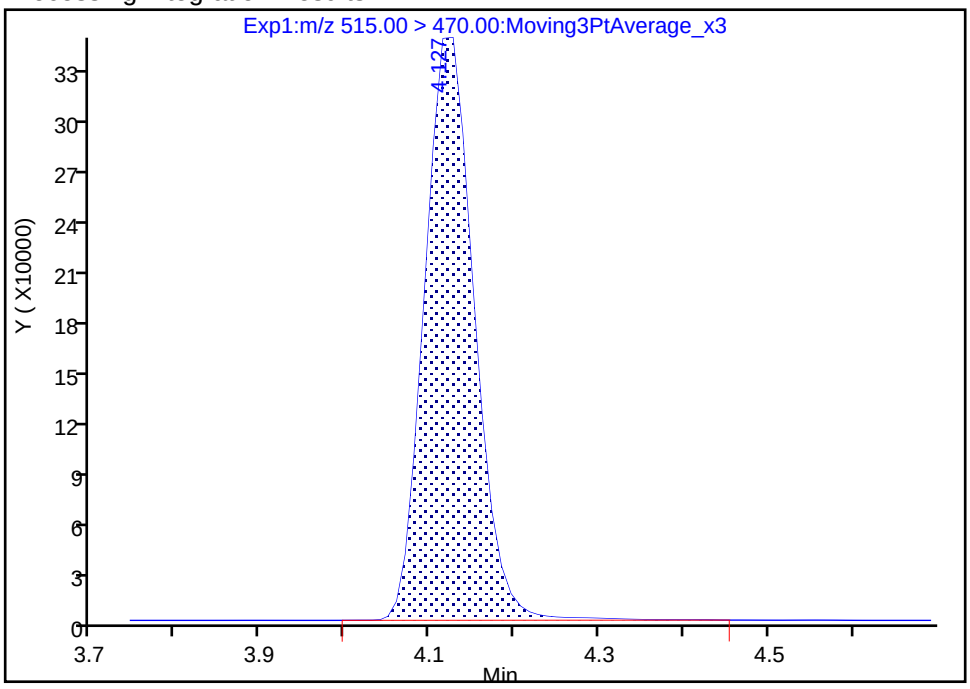
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d				
Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

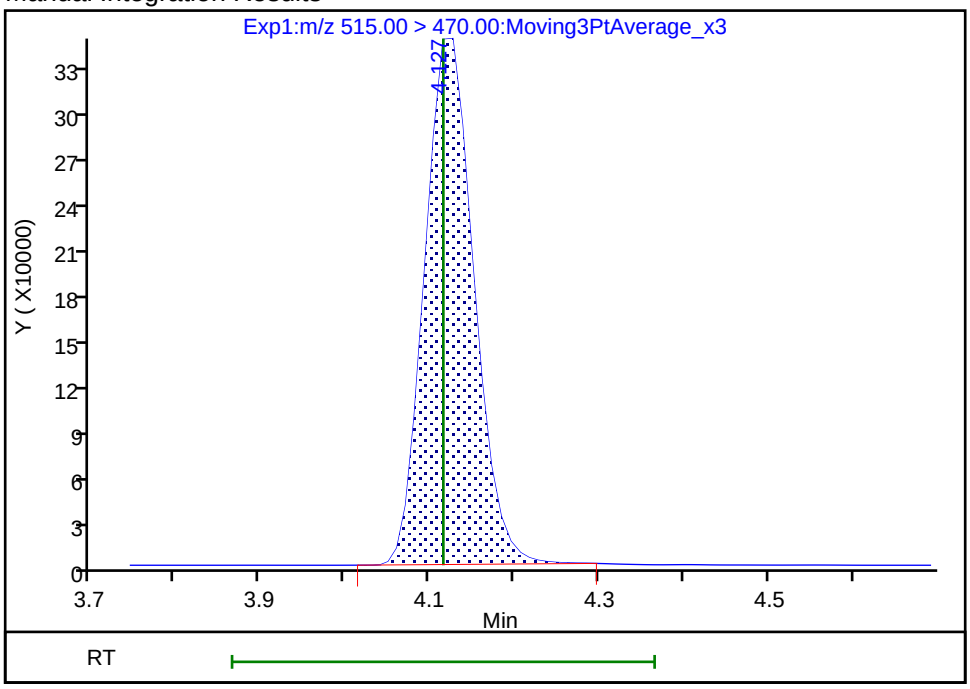
Processing Integration Results

RT: 4.13
Area: 1423833
Amount: 1.133325
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 1410980
Amount: 1.123095
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:46:27

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

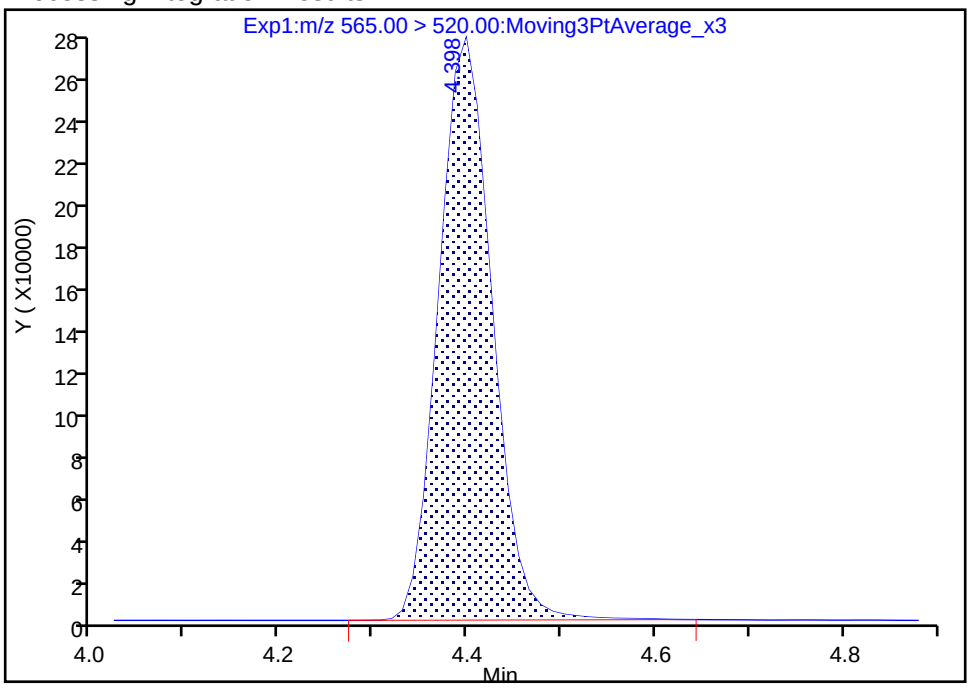
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d				
Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

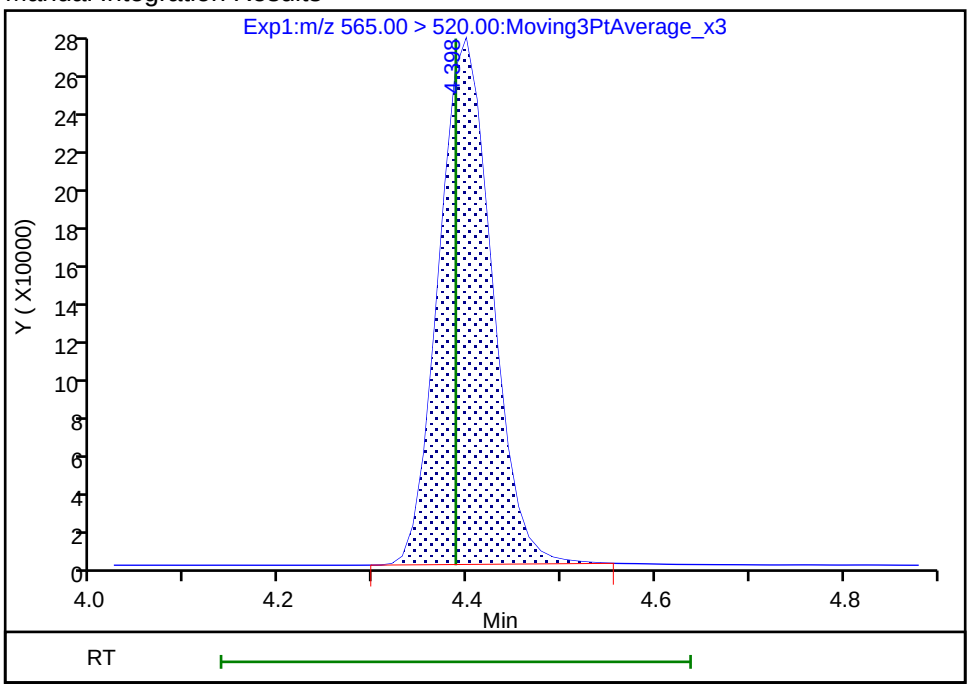
Processing Integration Results

RT: 4.40
Area: 1095942
Amount: 1.151328
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 1088439
Amount: 1.143446
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:47:07

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

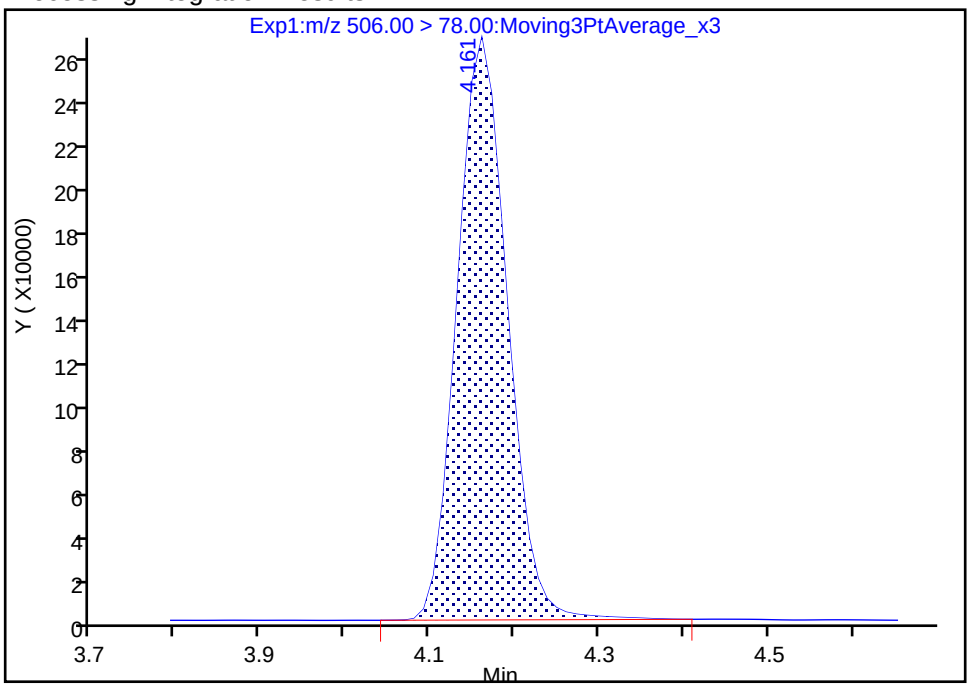
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Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

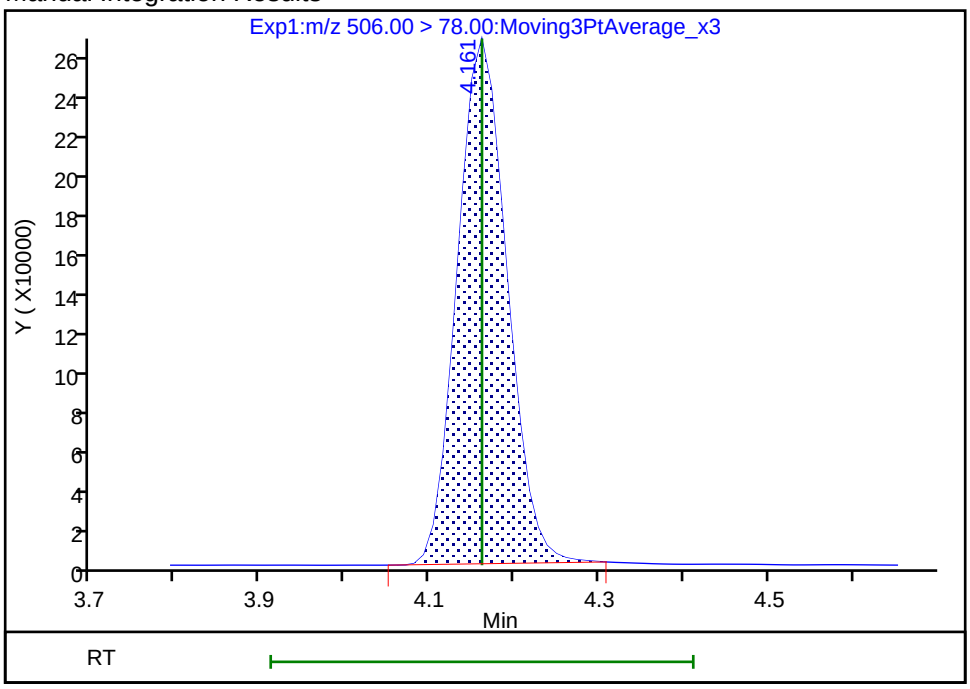
Processing Integration Results

RT: 4.16
Area: 1069451
Amount: 0.972606
Amount Units: ng/ml



Manual Integration Results

RT: 4.16
Area: 1056570
Amount: 0.960892
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:46:42

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

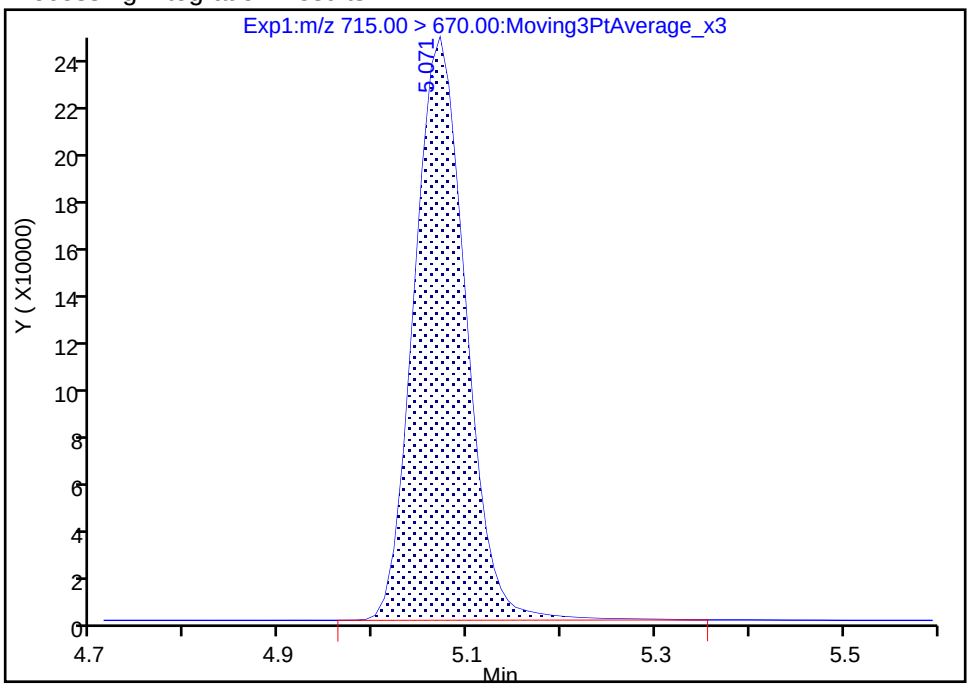
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d				
Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

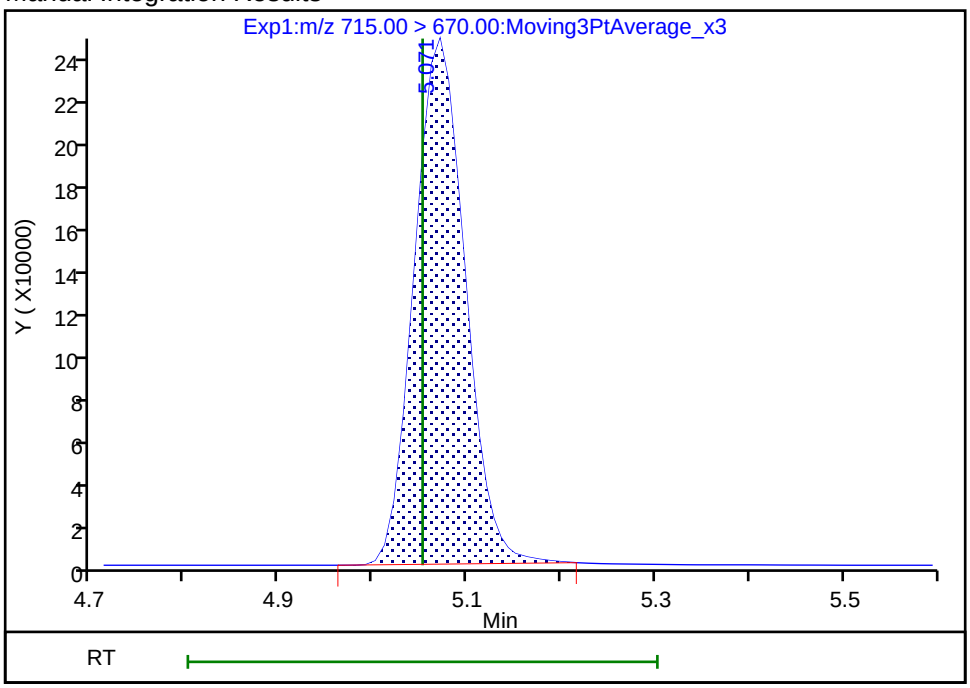
Processing Integration Results

RT: 5.07
Area: 941522
Amount: 1.167638
Amount Units: ng/ml



Manual Integration Results

RT: 5.07
Area: 930162
Amount: 1.153550
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:47:20

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

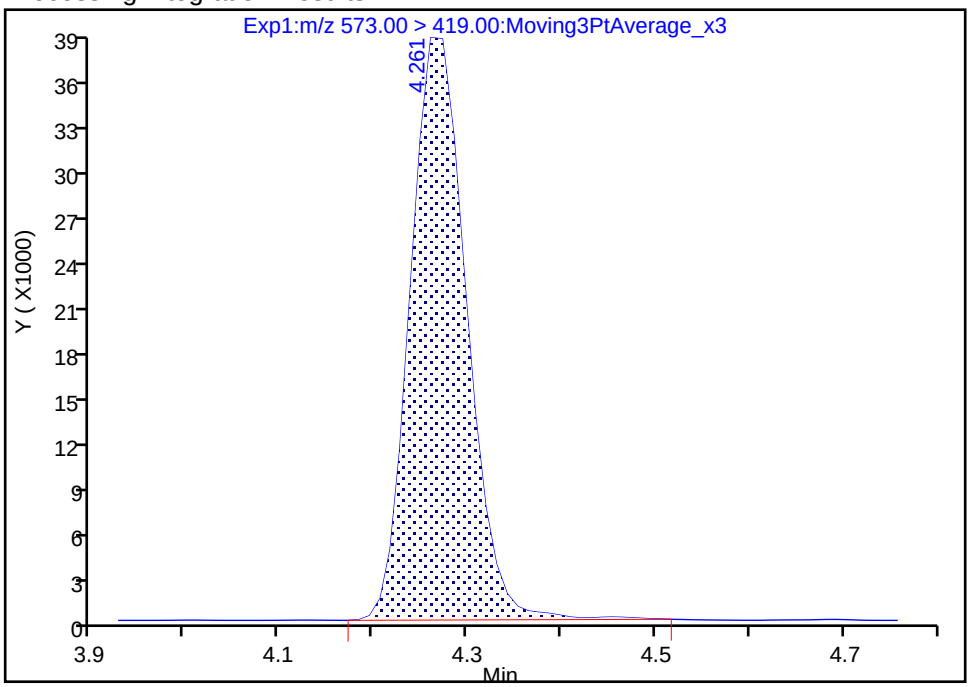
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d				
Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

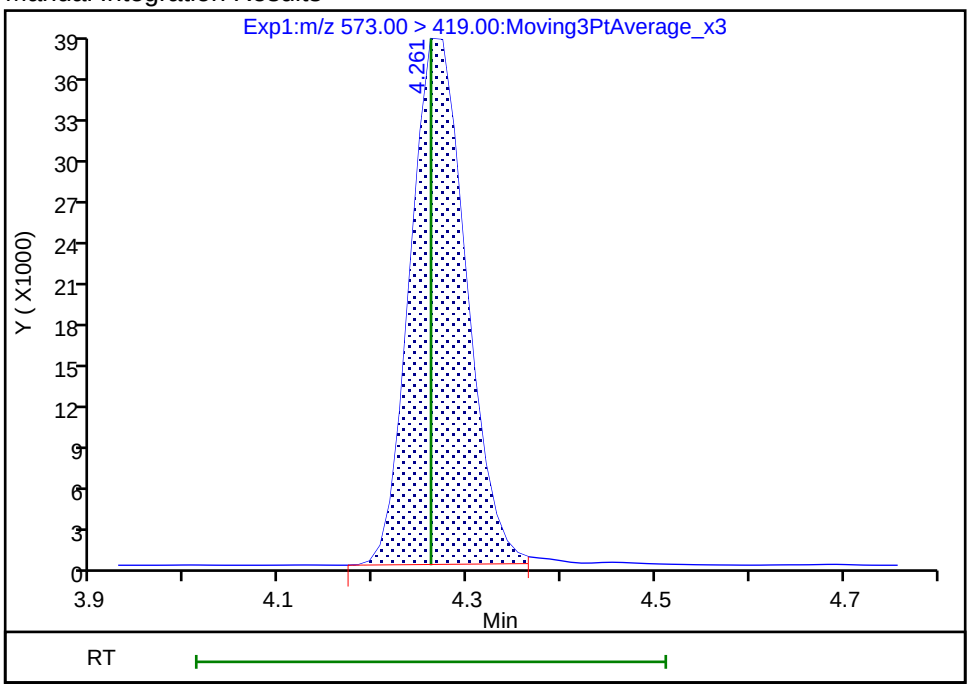
Processing Integration Results

RT: 4.26
Area: 160712
Amount: 0.954414
Amount Units: ng/ml



Manual Integration Results

RT: 4.26
Area: 158563
Amount: 0.941652
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:46:58

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

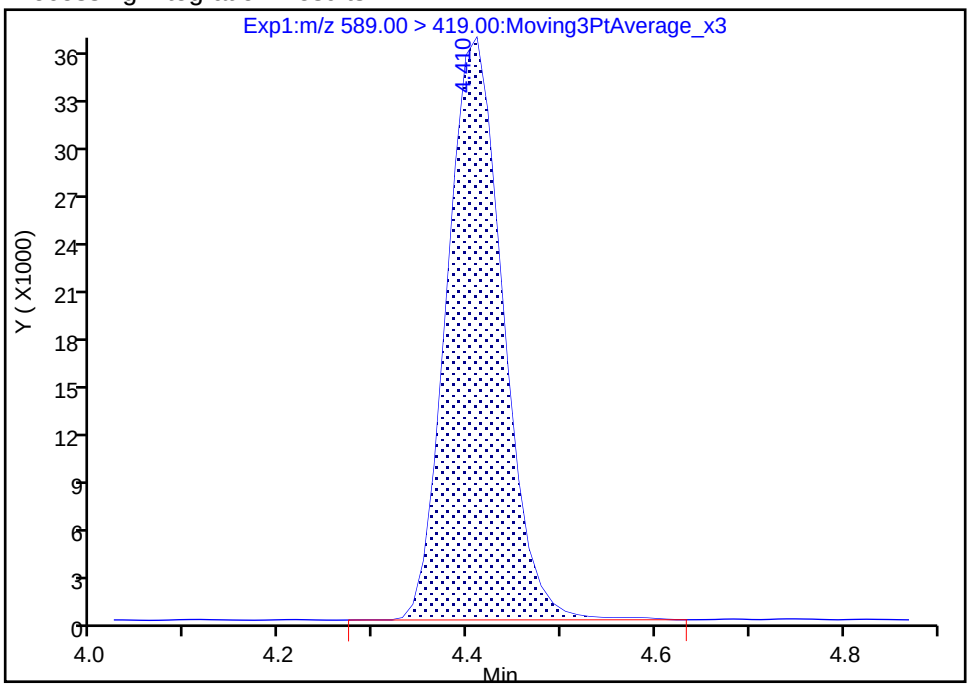
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d				
Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 32 d5-NEtFOSAA, CAS: STL02117

Signal: 1

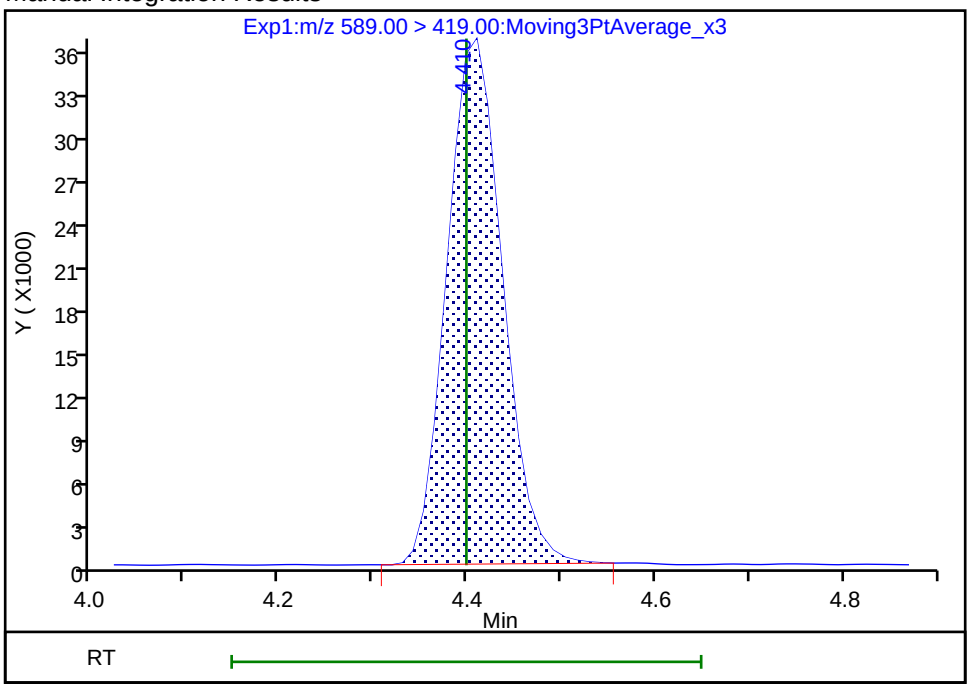
Processing Integration Results

RT: 4.41
Area: 150781
Amount: 0.946022
Amount Units: ng/ml



Manual Integration Results

RT: 4.41
Area: 149512
Amount: 0.938061
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:47:12

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

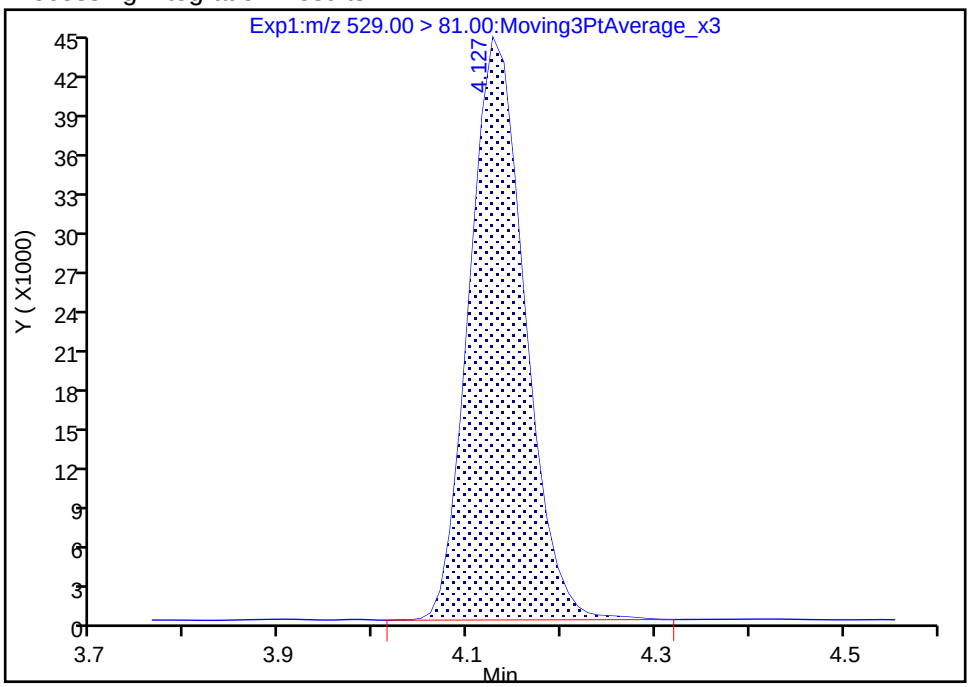
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d				
Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

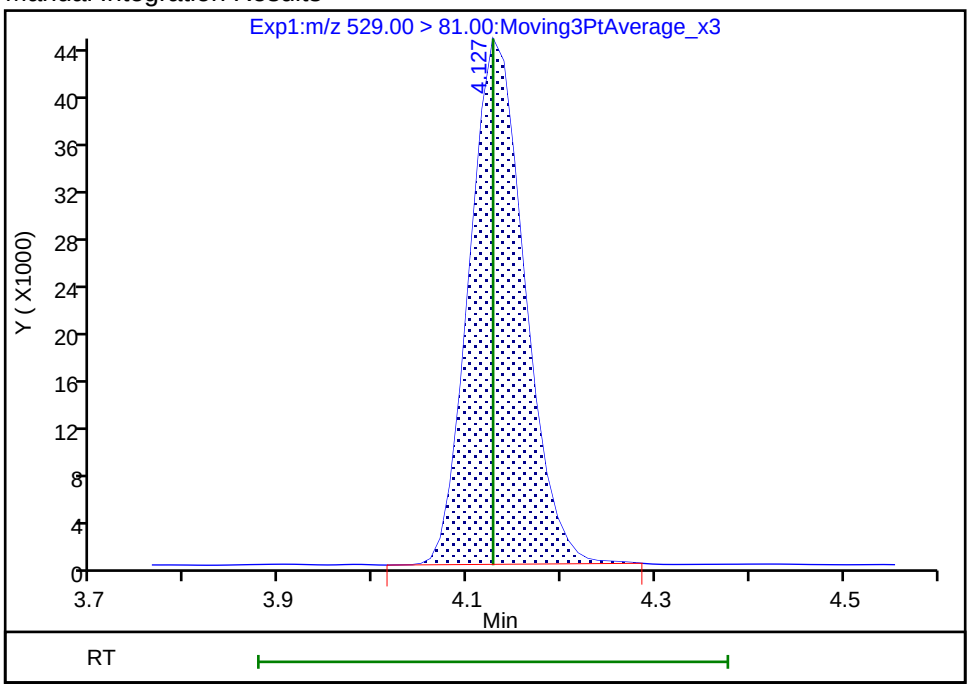
Processing Integration Results

RT: 4.13
Area: 180042
Amount: 0.937542
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 179114
Amount: 0.932709
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:46:37

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

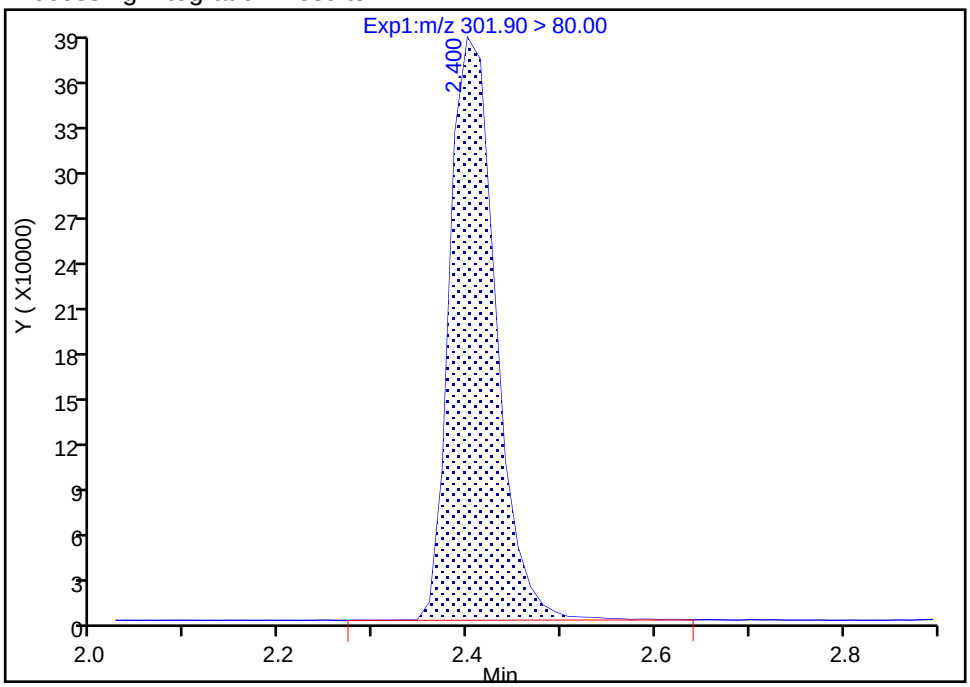
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B18.d				
Injection Date:	04-Aug-2022 16:20:20	Instrument ID:	LC812		
Lims ID:	460-262897-A-9-A	Lab Sample ID:	200-262897-9		
Client ID:	BCS-09-24 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

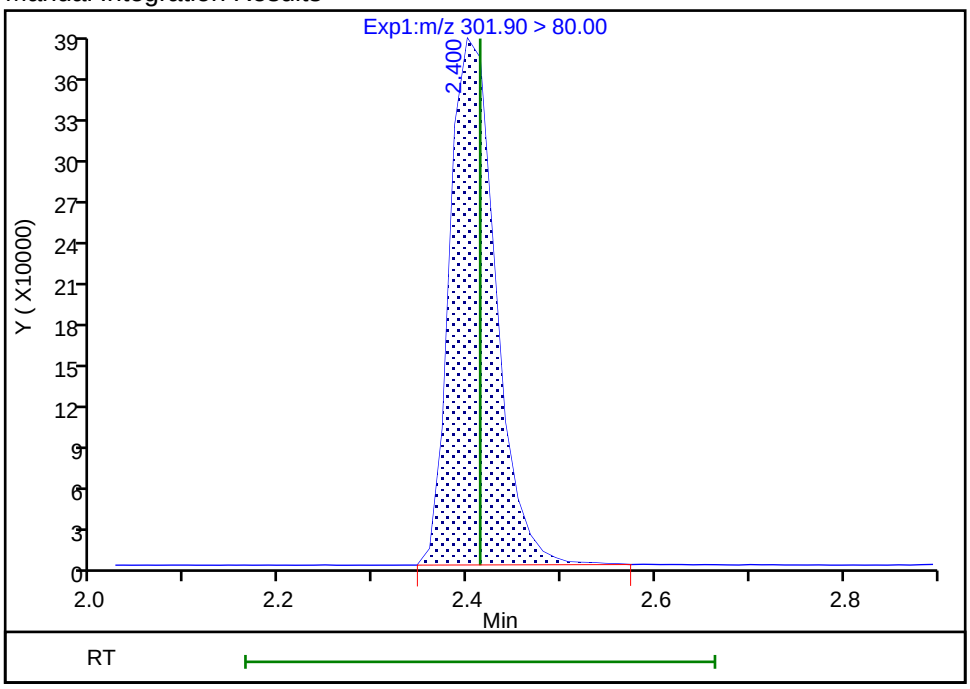
Processing Integration Results

RT: 2.40
Area: 1309253
Amount: 0.965636
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 1306143
Amount: 0.963342
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:19:38

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 460-262897-1

SDG No.:

Client Sample ID: BCS-09-25 (5-5.5)P | Lab Sample ID: 460-262897-10

Matrix: Solid | Lab File ID: PA220804B19.d

Analysis Method: 537 (modified) | Date Collected: 07/29/2022 12:40

Extraction Method: SHAKE | Date Extracted: 08/03/2022 11:39

Sample wt/vol: 5.25(g) | Date Analyzed: 08/04/2022 16:28

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

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

% Moisture: 4.5 % Solids: 95.5 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 182375 | 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.: 460-262897-1

SDG No.:

Client Sample ID: BCS-09-25 (5-5.5)P Lab Sample ID: 460-262897-10

Matrix: Solid Lab File ID: PA220804B19.d

Analysis Method: 537 (modified) Date Collected: 07/29/2022 12:40

Extraction Method: SHAKE Date Extracted: 08/03/2022 11:39

Sample wt/vol: 5.25(g) Date Analyzed: 08/04/2022 16:28

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

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

% Moisture: 4.5 % Solids: 95.5 GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 182375 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	93		50-150
STL01892	13C4 PFHpA	99		50-150
STL00990	13C4 PFOA	97		50-150
STL00991	13C4 PFOS	87		50-150
STL00995	13C5 PFNA	94		50-150
STL00992	13C4 PFBA	97		50-150
STL00993	13C2 PFHxA	99		50-150
STL00996	13C2 PFDA	90		50-150
STL00997	13C2 PFUnA	89		50-150
STL00998	13C2 PFDoA	85		50-150
STL01056	13C8 FOSA	78		50-150
STL01893	13C5 PFPeA	100		50-150
STL02116	13C2 PFTeDA	87		50-150
STL02118	d3-NMeFOSAA	75		50-150
STL02117	d5-NEtFOSAA	71		50-150
STL02279	M2-6:2 FTS	91		50-150
STL02280	M2-8:2 FTS	90		50-150
STL02337	13C3 PFBS	90		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d
Lims ID: 460-262897-A-10-A
Client ID: BCS-09-25 (5-5.5)P
Sample Type: Client
Inject. Date: 04-Aug-2022 16:28:31 ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: 460-262897-A-10-A
Misc. Info.: 200-0051959-019 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 05-Aug-2022 12:54:43 Calib Date: 03-Aug-2022 13:41:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1640

First Level Reviewer: nampitakw Date: 05-Aug-2022 12:32:20
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										M
217.00 > 172.00	2.076	2.076	0.0	0.598	1777900	1.22		97.5	7231	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.085	0.0	1.004	13615	0.009872			1.2	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.386	2.400	-0.014	0.687	1400984	1.25		99.9	2751	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.373	2.400	-0.027	0.994	2856	0.002472			0.1	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.400	2.413	-0.013	0.691	1354811	1.04		89.8	208142	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.413	2.413	0.0	1.006	2865	0.002227	Target=2.23		3.8	M
298.90 > 99.00	2.400	2.413	-0.013	1.000	1206		2.38(1.11-3.34)		0.9	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.737	2.750	-0.013	0.788	1382947	1.23		98.8	3009	
D 11 18O2 PFHxS										
403.00 > 84.00	3.109	3.110	-0.001	0.895	1004779	1.10		93.1	1651	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.109	3.110	-0.001	1.000	3983	0.004250	Target=3.43		12.8	M
399.00 > 99.00	3.098	3.110	-0.012	0.996	2169		1.84(1.72-5.15)		3.0	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.109	3.121	-0.012	0.895	1437706	1.24		99.0	3031	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.121	3.121	0.0	1.004	1765	0.001489	Target=3.73		0.6	M
363.00 > 169.00	3.121	3.121	0.0	1.004	832		2.12(1.86-5.59)		2.0	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.464	3.465	-0.001	0.997	165243	1.08		91.0	534	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.472	3.465	0.007	1.003	449	-0.0146			4.2	M
15 Perfluorooctanoic acid										RM
413.00 > 369.00	3.455	3.474	-0.019	0.995	2009	0.001553	Target=2.67		0.2	RM
413.00 > 169.00	3.481	3.474	0.007	1.003	1971		1.02(1.34-4.01)		6.2	M
D 14 13C4 PFOA										M
417.00 > 372.00	3.472	3.474	-0.002	1.000	1441529	1.21		96.9	2580	M
* 62 13C2 PFOA										
415.00 > 370.00	3.472	3.474	-0.002		1562569	1.25			3381	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.801	3.792	0.009	1.003	3971	-0.0117	Target=4.88		1.7	M
499.00 > 99.00	3.772	3.792	-0.020	0.995	1229		3.23(2.44-7.32)		3.2	M
D 18 13C4 PFOS										M
503.00 > 80.00	3.791	3.792	-0.001	1.092	705313	1.03		86.6	1641	M
20 Perfluorononanoic acid										RM
463.00 > 419.00	3.801	3.812	-0.011	0.997	895	0.000758	Target=8.23		0.5	RM
463.00 > 169.00	3.801	3.812	-0.011	0.997	271		3.30(4.11-12.34)		6.5	M
D 19 13C5 PFNA										
468.00 > 423.00	3.811	3.812	-0.001	1.097	1450163	1.17		93.8	2243	
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.127	4.116	0.011	1.000	1595	0.001395	Target=9.67		1.4	M
513.00 > 169.00	4.115	4.116	-0.001	0.997	115		13.87(4.83-14.50)		1.3	M
D 23 13C2 PFDA										
515.00 > 470.00	4.127	4.116	0.011	1.188	1358798	1.13		90.4	2122	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.127	4.127	0.0	1.000	248	0.001558			7.5	M
D 26 M2-8:2 FTS										M
529.00 > 81.00	4.127	4.127	0.0	1.188	197448	1.07		89.7	755	M
D 21 13C8 FOSA										M
506.00 > 78.00	4.161	4.161	0.0	1.198	1022662	0.9712		77.7	2009	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.161	4.161	0.0	1.000	802	0.000962			3.6	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.249	4.261	-0.012	0.994	191	0.001777			1.0	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.273	4.261	0.012	1.231	151267	0.9381		75.0	1150	M
29 Perfluorodecanesulfonic acid										RM
599.00 > 80.00	4.364	4.365	-0.001	1.151	418	0.001215	Target=2.80		4.3	RM
599.00 > 99.00	4.353	4.365	-0.012	1.148	38		11.00(1.40-4.20)		0.7	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.398	4.387	0.011	1.267	1014561	1.11		89.0	2217	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.398	4.399	-0.001	0.997	347	0.003514			7.6	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.410	4.399	0.011	1.270	135971	0.8909		71.3	693	
D 36 13C2 PFDoA										M
615.00 > 570.00	4.643	4.633	0.010	1.337	1003282	1.06		85.0	2513	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
37 Perfluorododecanoic acid										RM
613.00 > 569.00	4.633	4.633	0.0	0.998	1046	0.001285	Target=6.97		0.3	RM
613.00 > 169.00	4.643	4.633	0.010	1.000	66		15.85(3.48-10.45)		2.1	M
41 Perfluorotridecanoic acid										RM
663.00 > 619.00	4.859	4.859	0.0	1.046	699	0.000991	Target=4.56		0.3	RM
663.00 > 169.00	4.870	4.859	0.011	1.049	325		2.15(2.28-6.84)		3.8	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.071	5.052	0.019	1.460	844264	1.09		87.5	2072	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.071	5.052	0.019	1.000	281	0.002597	Target=0.94		5.7	M
713.00 > 219.00	5.062	5.052	0.010	0.998	293		0.96(0.47-1.41)		12.1	M

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Report Date: 05-Aug-2022 12:55:07 Chrom Revision: 2.3 04-Aug-2022 18:02:28

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d

Injection Date: 04-Aug-2022 16:28:31 Instrument ID: LC812

Lims ID: 460-262897-A-10-A Lab Sample ID: 200-262897-10

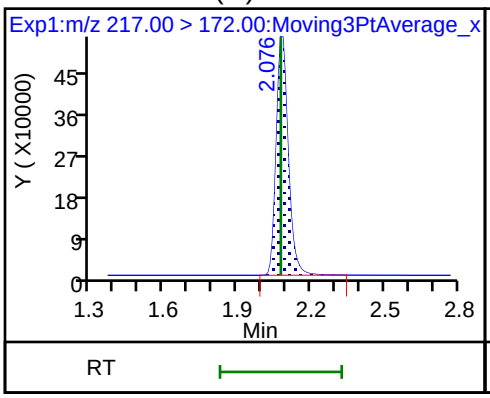
Client ID: BCS-09-25 (5-5.5)P

Operator ID: lc812tech ALS Bottle#: 19 Worklist Smp#: 19

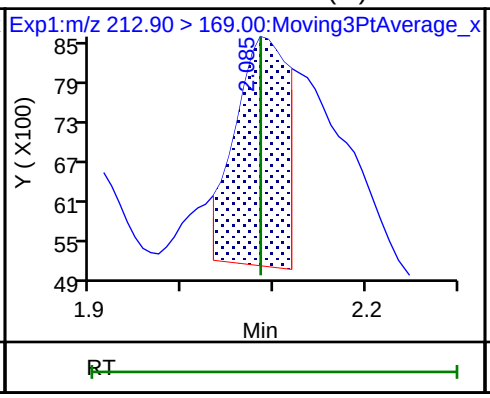
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

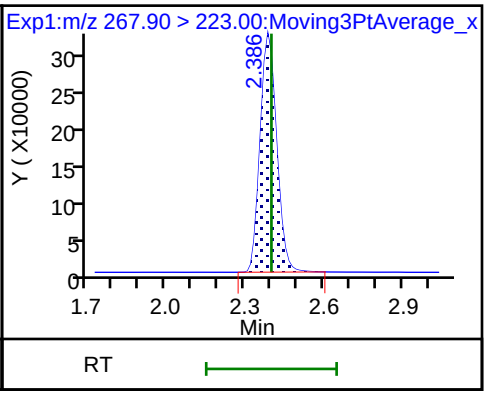
D 1 13C4 PFBA (M)



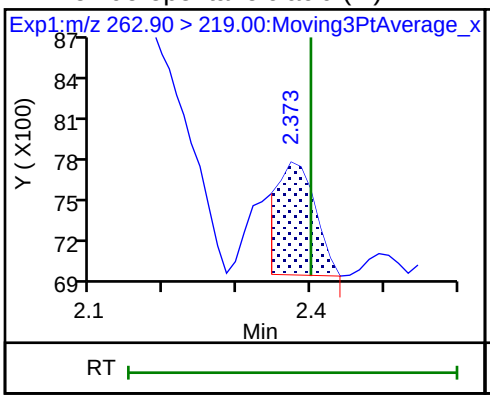
2 Perfluorobutanoic acid (M)



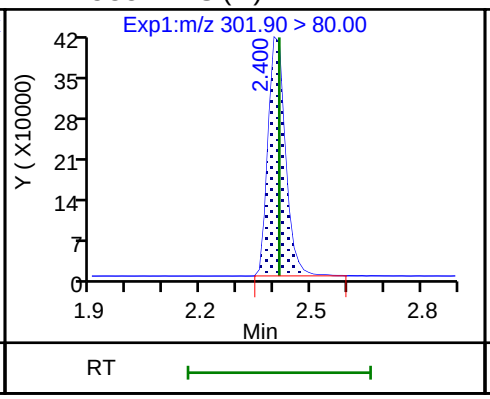
D 3 13C5 PFPeA



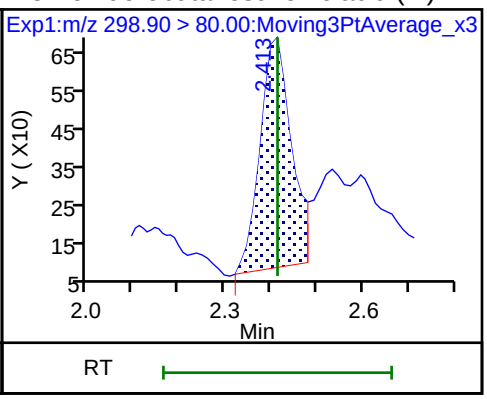
4 Perfluoropentanoic acid (M)



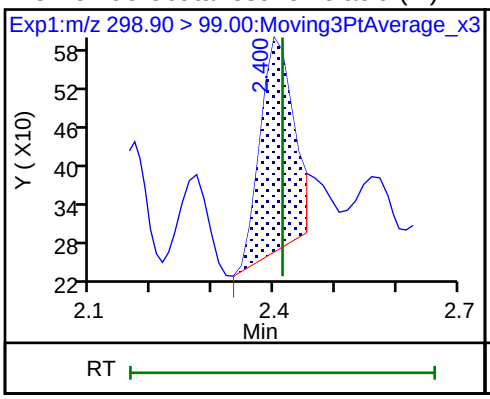
D 47 13C3 PFBS (M)



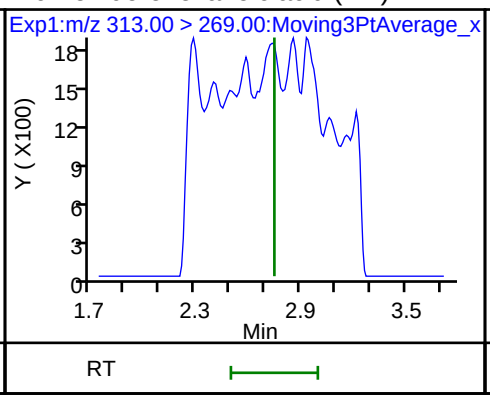
5 Perfluorobutanesulfonic acid (M)



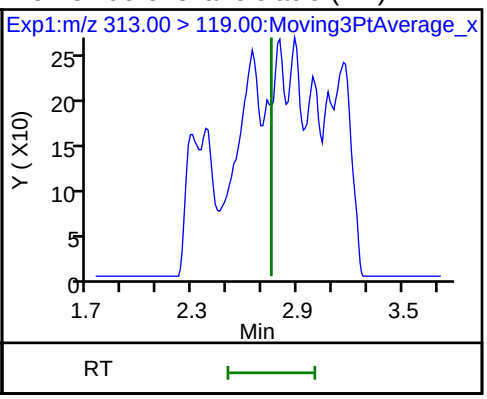
5 Perfluorobutanesulfonic acid (M)



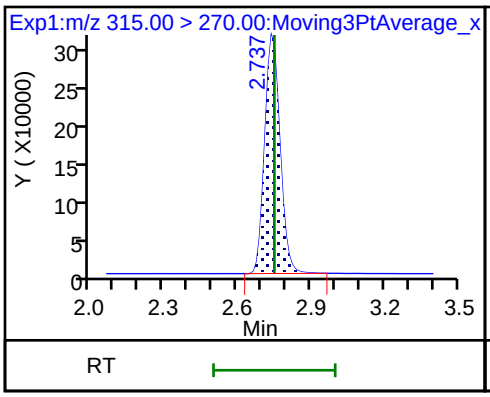
6 Perfluorohexanoic acid (ND)



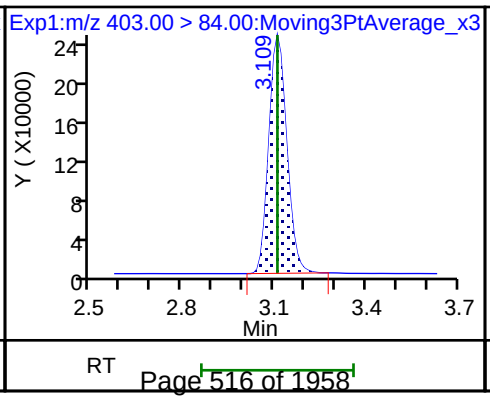
6 Perfluorohexanoic acid (ND)



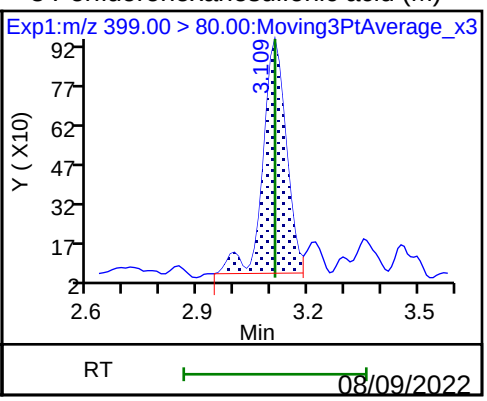
D 7 13C2 PFHxA



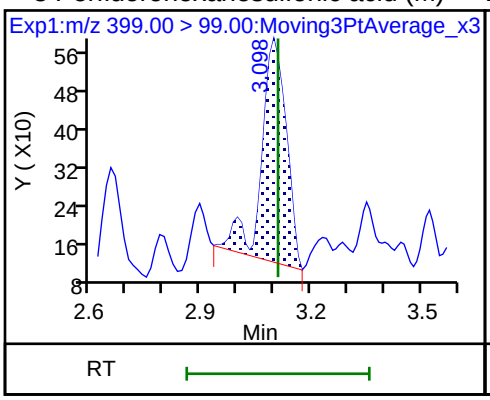
D 11 18O2 PFHxS



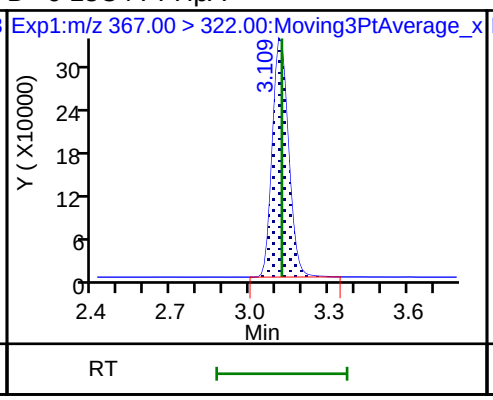
8 Perfluorohexanesulfonic acid (M)



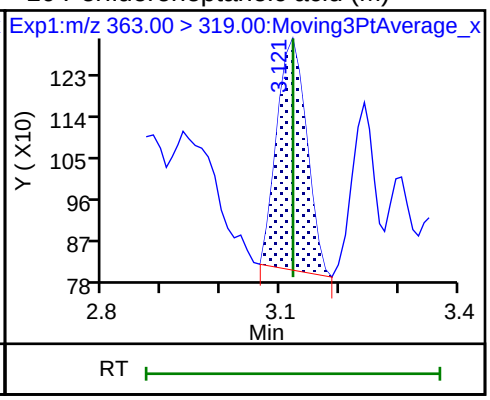
8 Perfluorohexanesulfonic acid (M)



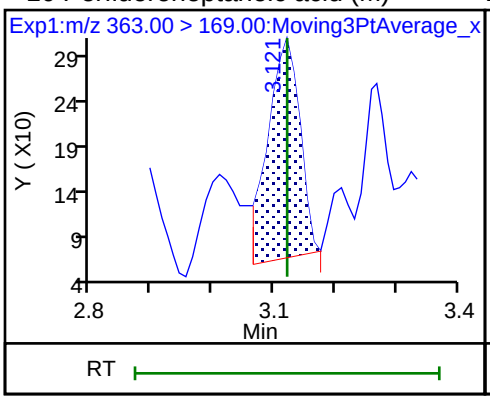
D 9 13C4 PFHpA



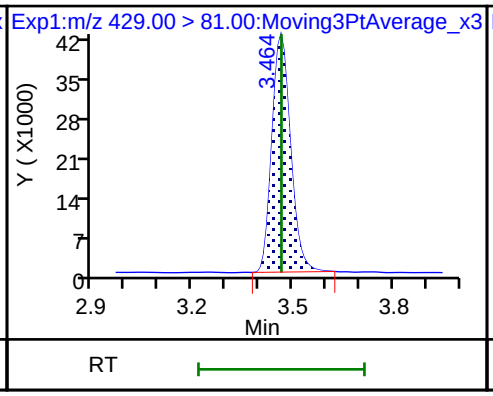
10 Perfluoroheptanoic acid (M)



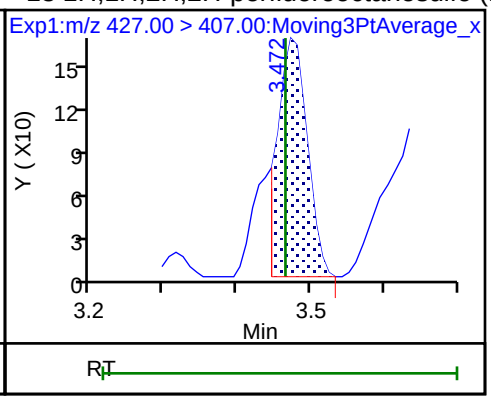
10 Perfluoroheptanoic acid (M)



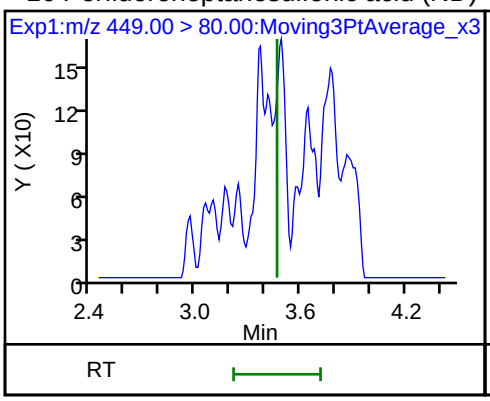
D 12 M2-6:2 FTS



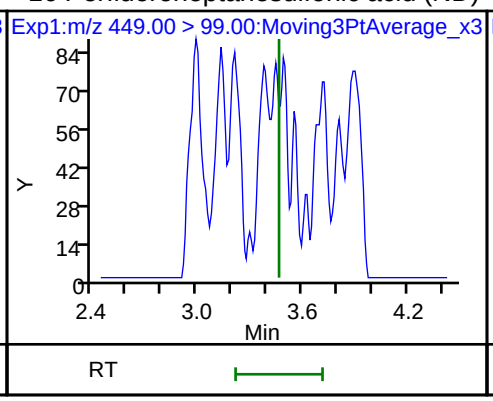
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



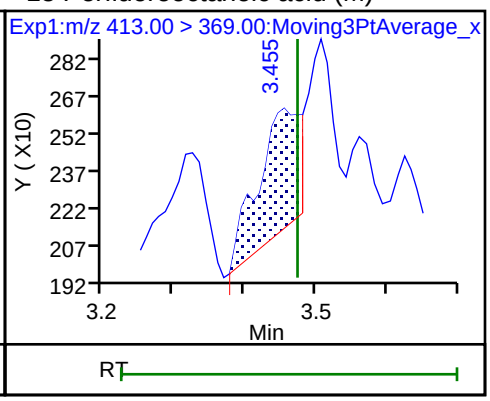
16 Perfluoroheptanesulfonic acid (ND)



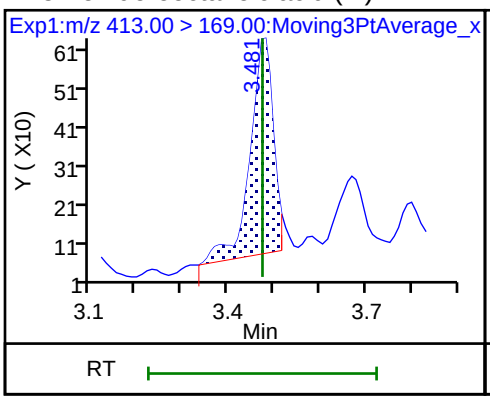
16 Perfluoroheptanesulfonic acid (ND)



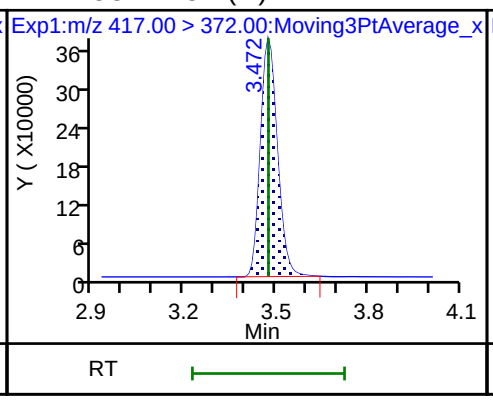
15 Perfluorooctanoic acid (M)



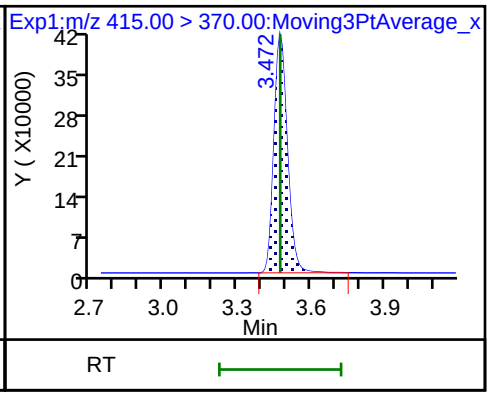
15 Perfluorooctanoic acid (M)



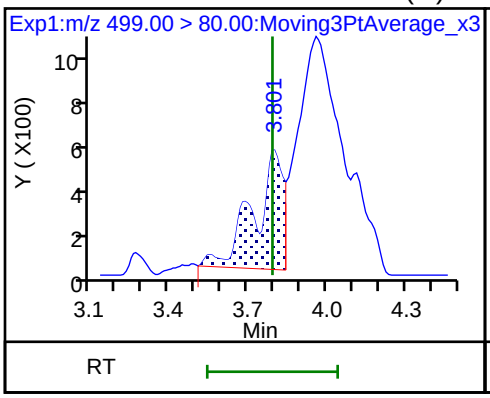
D 14 13C4 PFOA (M)



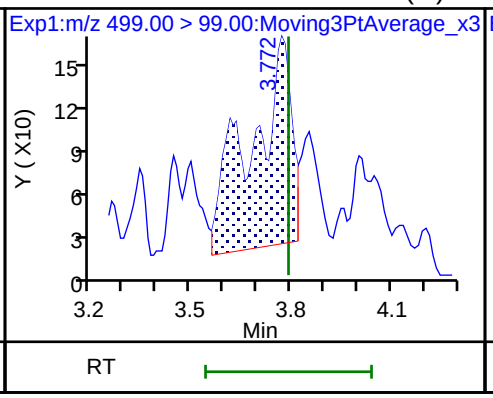
* 62 13C2 PFOA



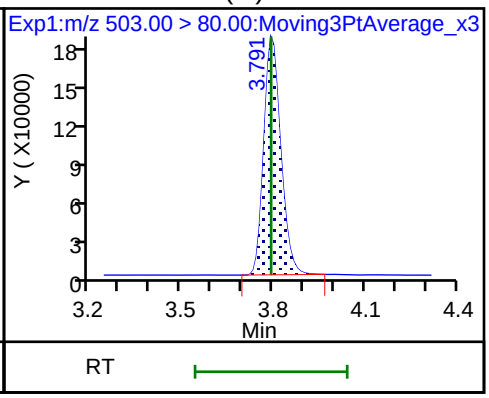
17 Perfluorooctanesulfonic acid (M)



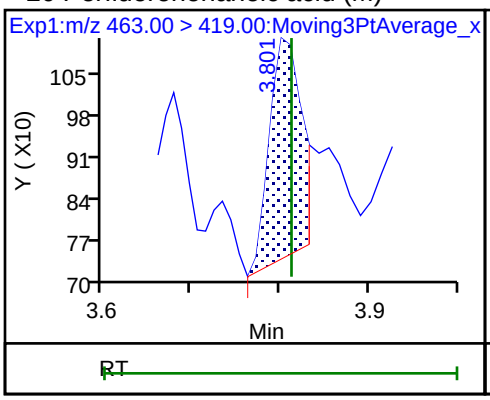
17 Perfluorooctanesulfonic acid (M)



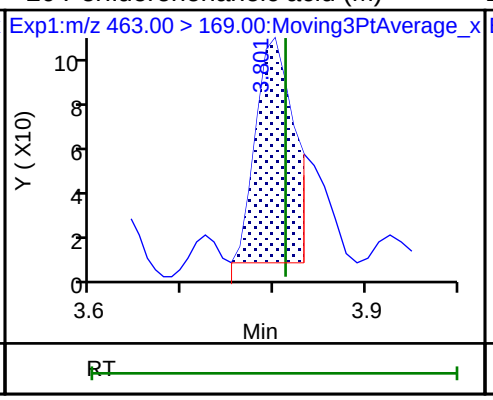
D 18 13C4 PFOS (M)



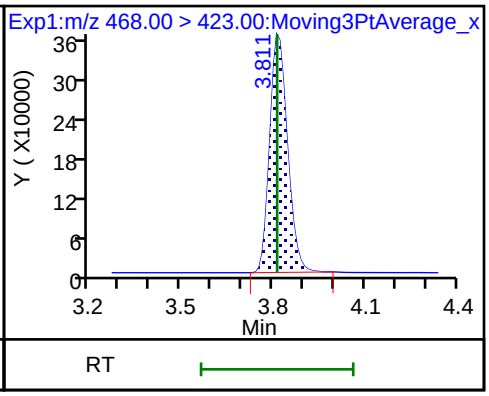
20 Perfluorononanoic acid (M)



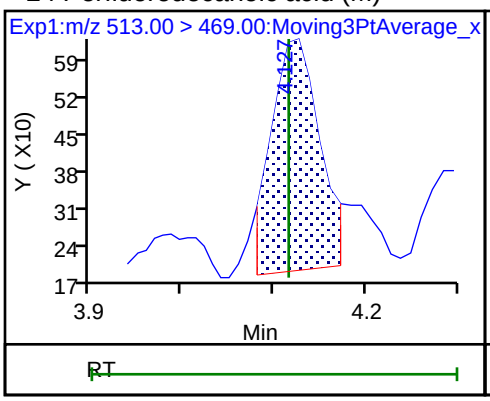
20 Perfluorononanoic acid (M)



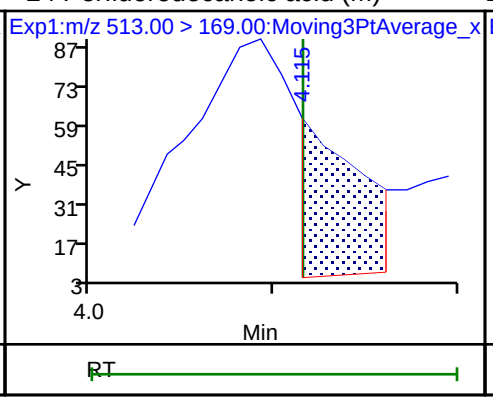
D 19 13C5 PFNA



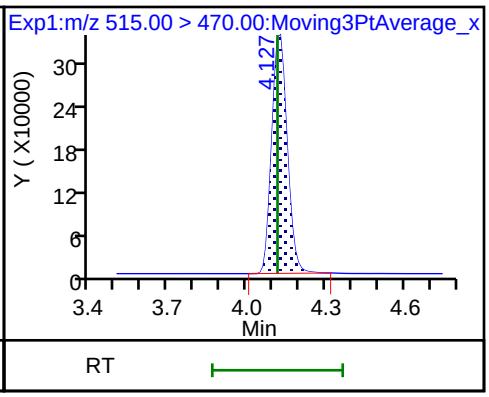
24 Perfluorodecanoic acid (M)



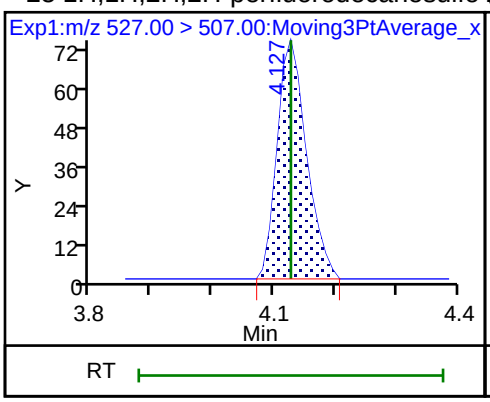
24 Perfluorodecanoic acid (M)



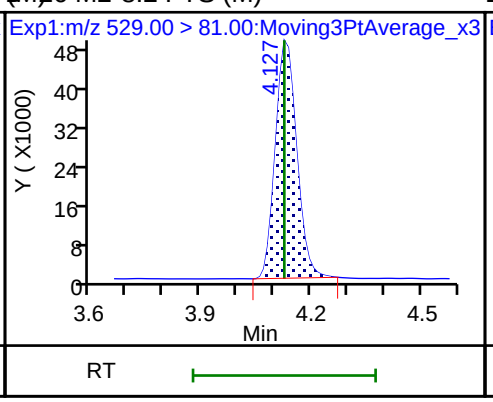
D 23 13C2 PFDA



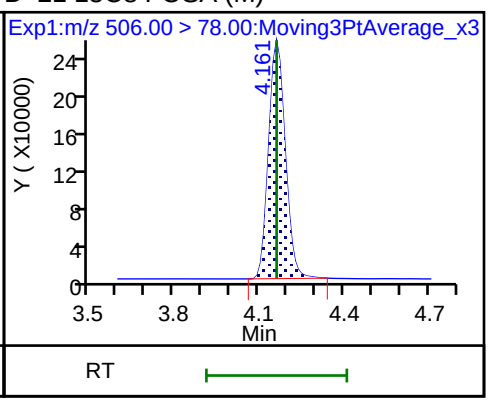
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



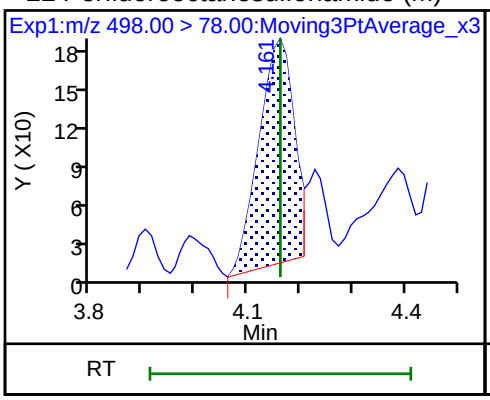
D 26 M2-8:2 FTS (M)



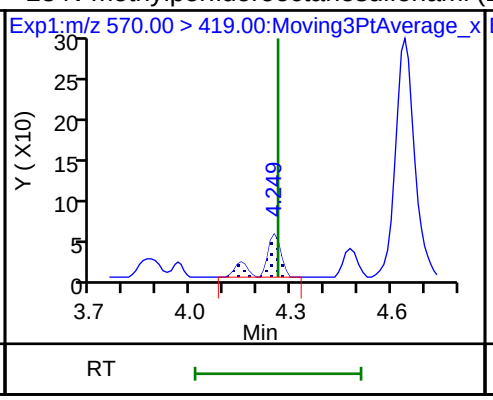
D 21 13C8 FOSA (M)



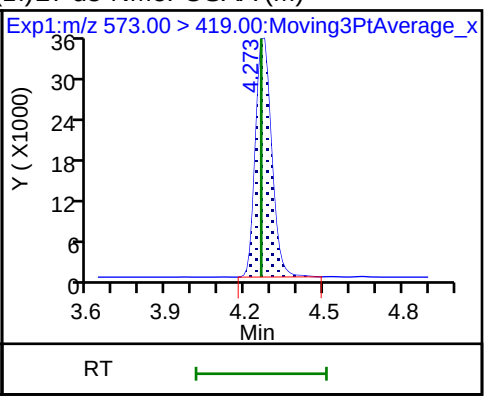
22 Perfluorooctanesulfonamide (M)



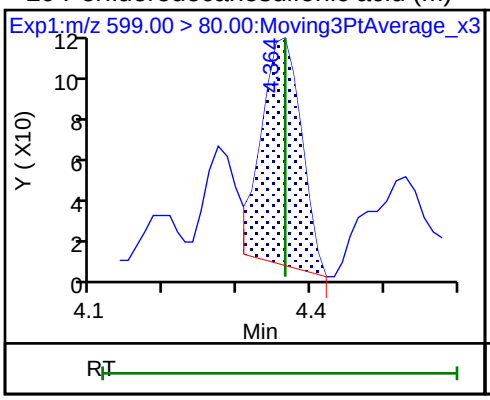
28 N-methylperfluorooctanesulfonami (M)



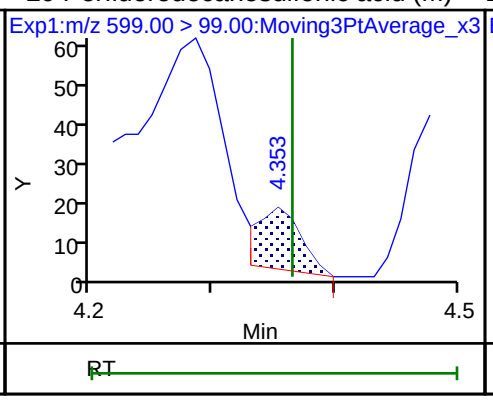
D 27 d3-NMeFOSAA (M)



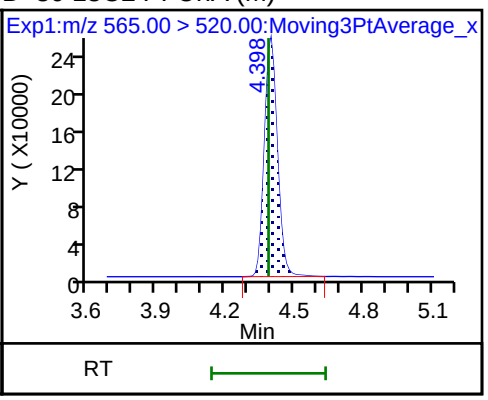
29 Perfluorodecanesulfonic acid (M)



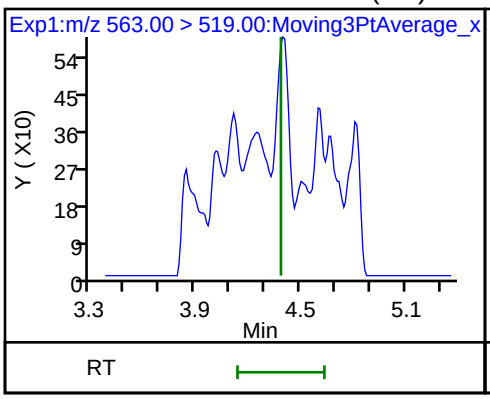
29 Perfluorodecanesulfonic acid (M)



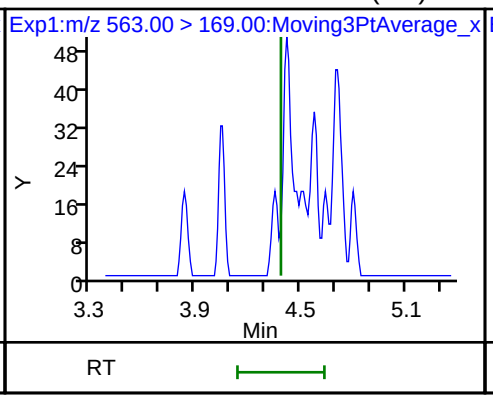
D 30 13C2 PFUnA (M)



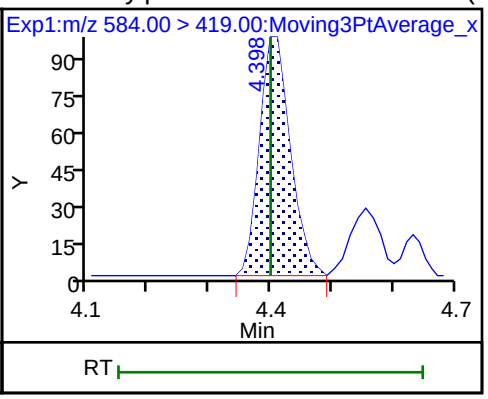
31 Perfluoroundecanoic acid (ND)



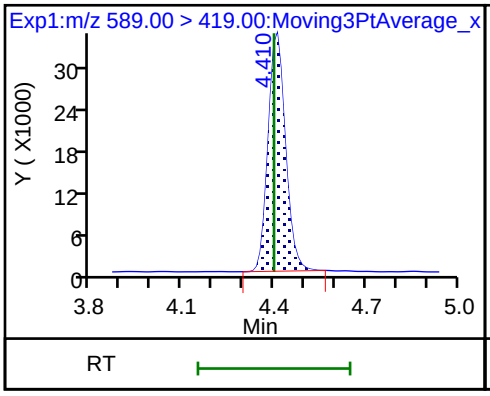
31 Perfluoroundecanoic acid (ND)



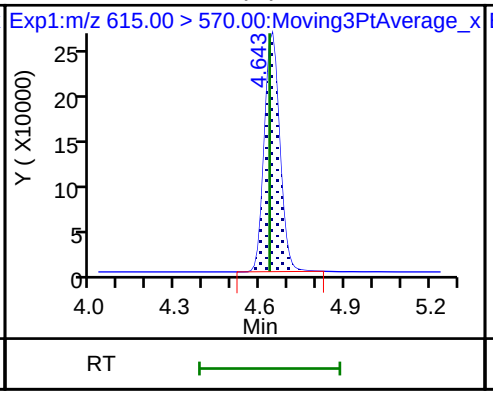
33 N-ethylperfluorooctanesulfonamid (M)



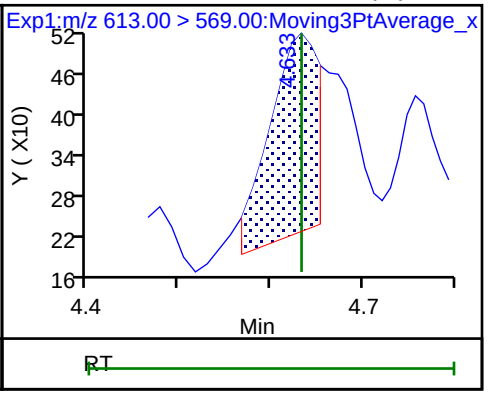
D 32 d5-NEtFOSAA



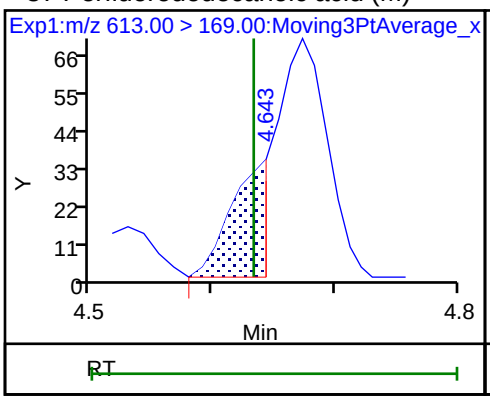
D 36 13C2 PFDoA (M)



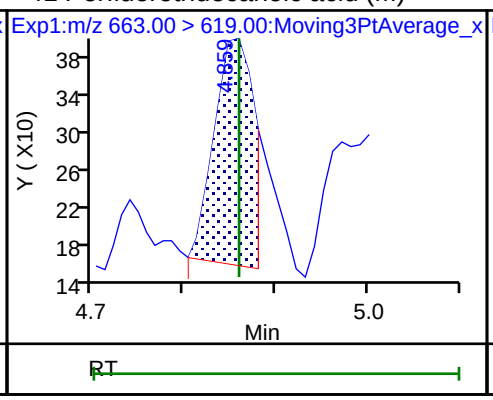
37 Perfluorododecanoic acid (M)



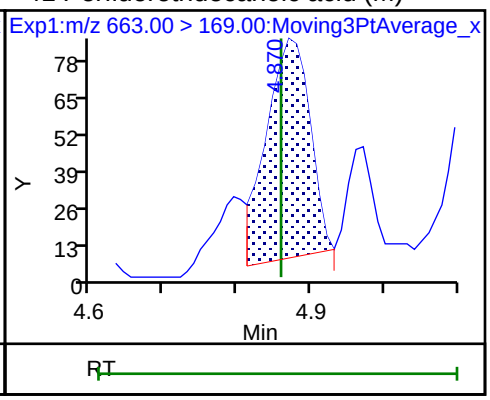
37 Perfluorododecanoic acid (M)



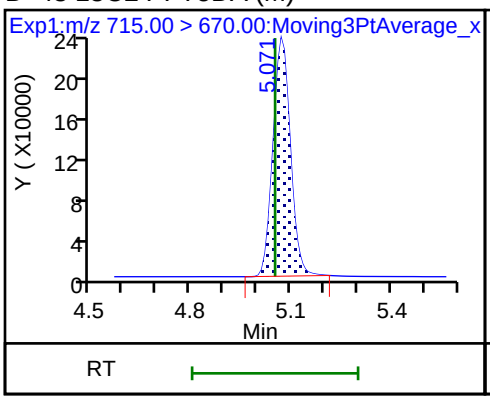
41 Perfluorotridecanoic acid (M)



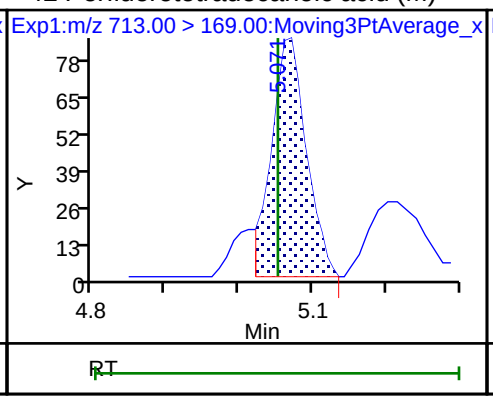
41 Perfluorotridecanoic acid (M)



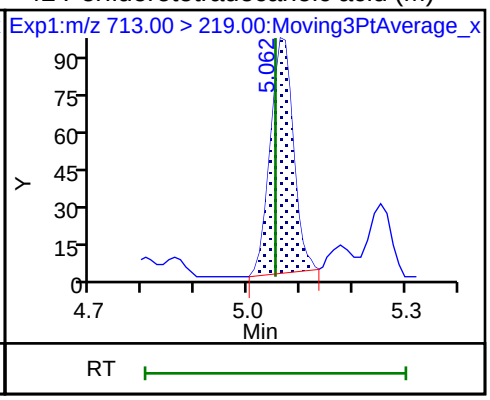
D 43 13C2 PFTeDA (M)



42 Perfluorotetradecanoic acid (M)



42 Perfluorotetradecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins Burlington

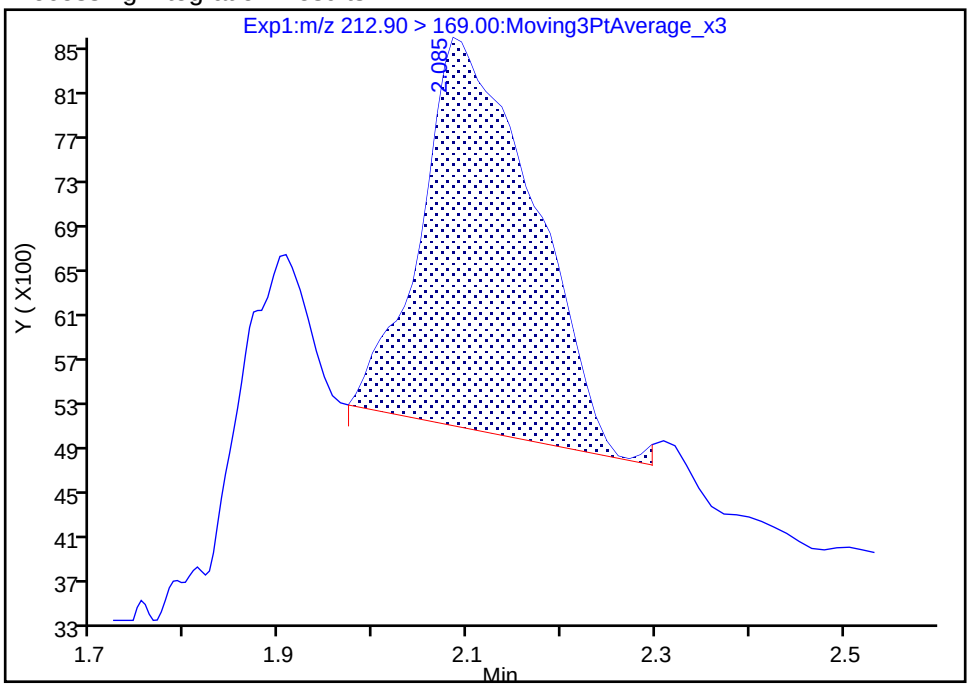
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Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

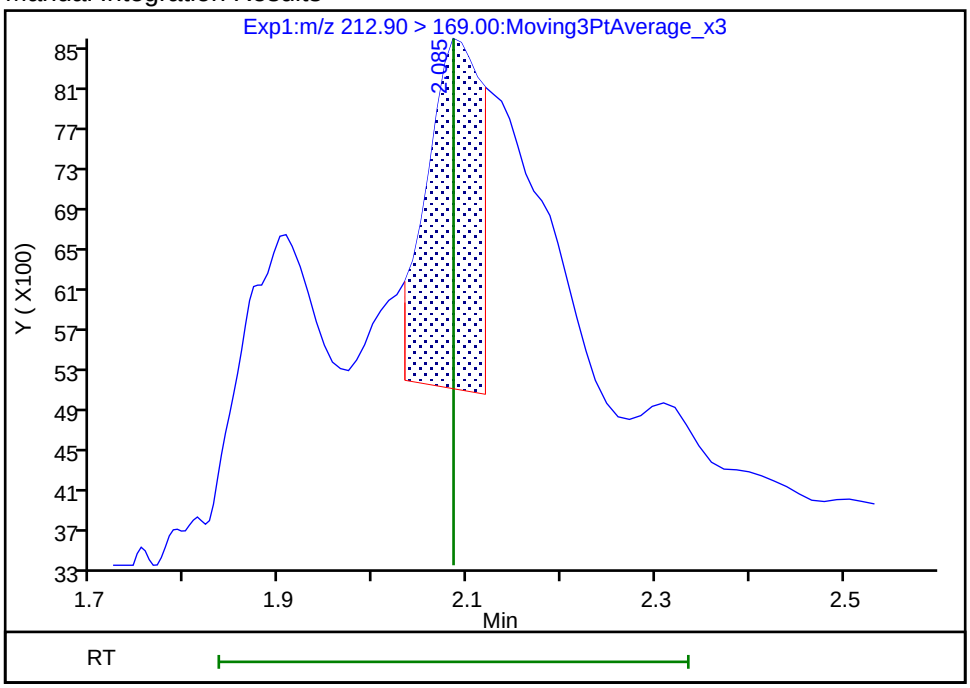
Processing Integration Results

RT: 2.08
Area: 29566
Amount: 0.021403
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 13615
Amount: 0.009872
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:26:11

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

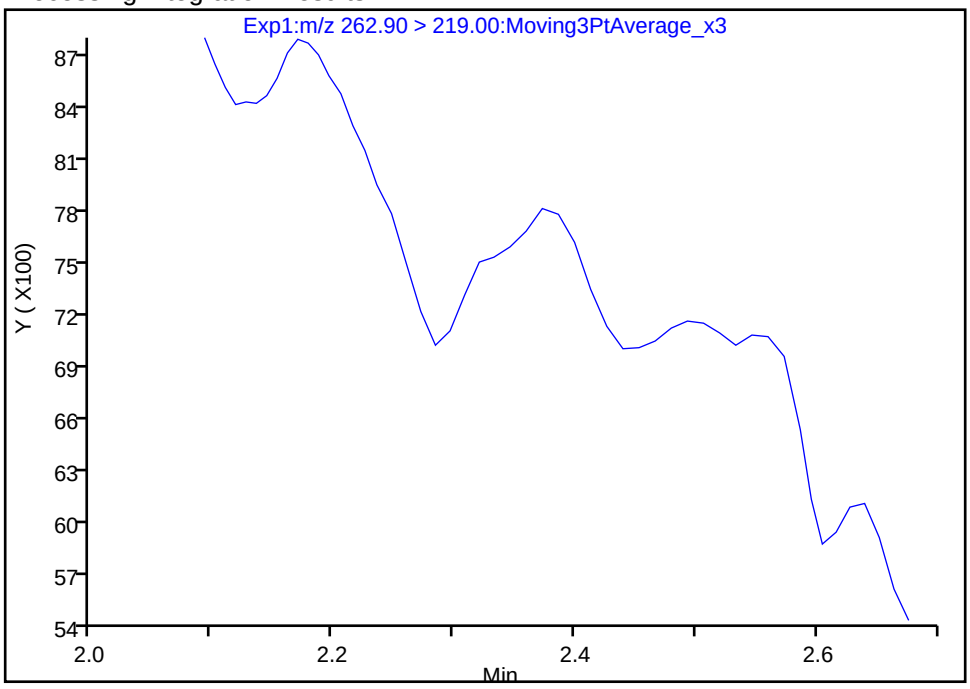
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Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

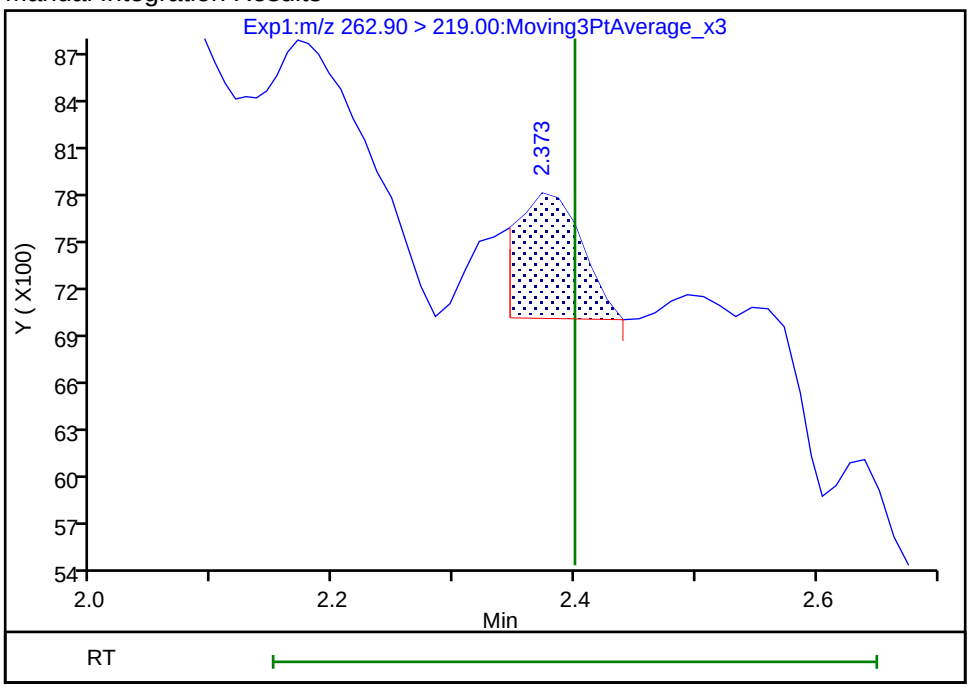
Not Detected
Expected RT: 2.40

Processing Integration Results



Manual Integration Results

RT: 2.37
Area: 2856
Amount: 0.002472
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:26:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

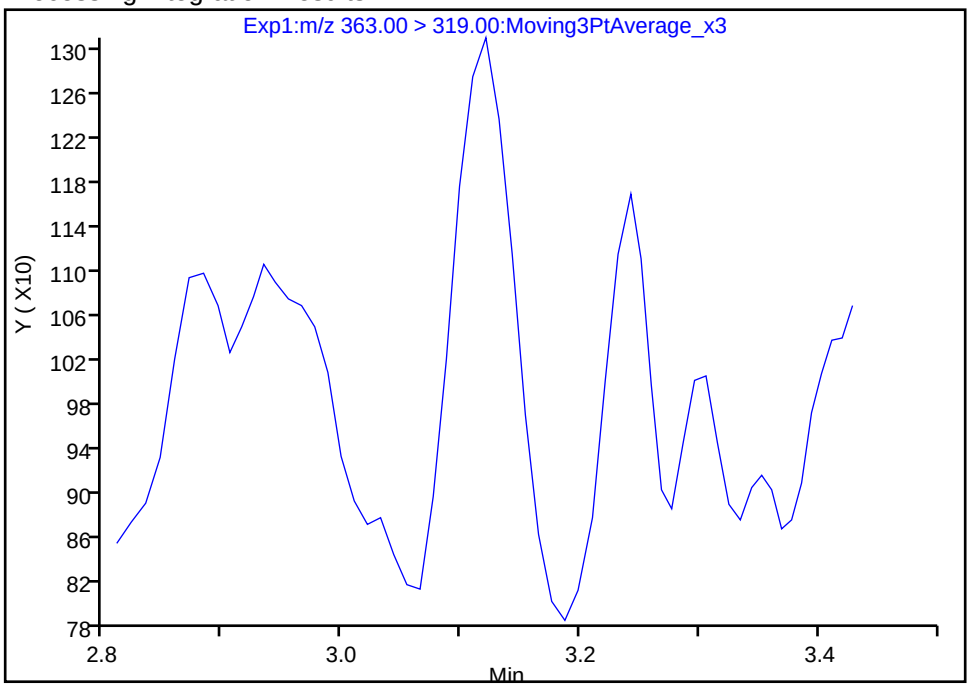
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Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

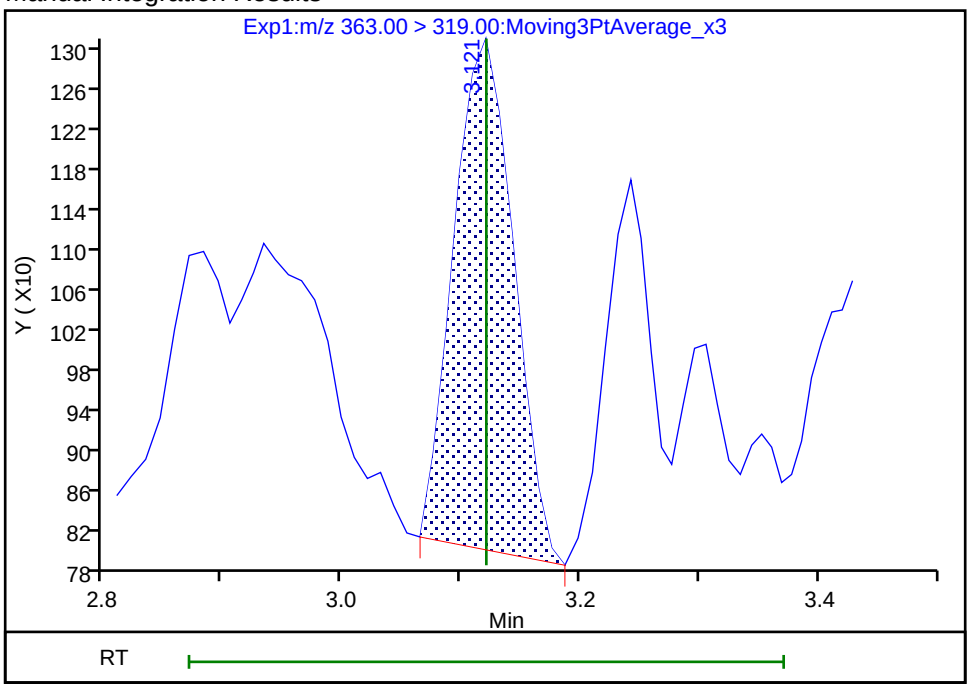
Not Detected
Expected RT: 3.12

Processing Integration Results



Manual Integration Results

RT: 3.12
Area: 1765
Amount: 0.001489
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:27:54
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

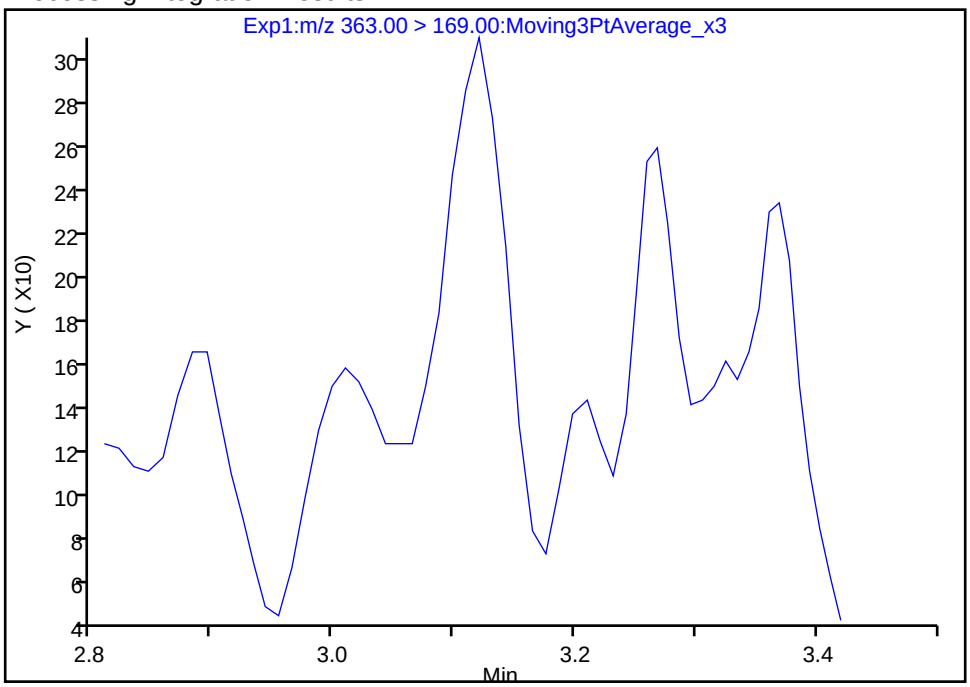
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d				
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

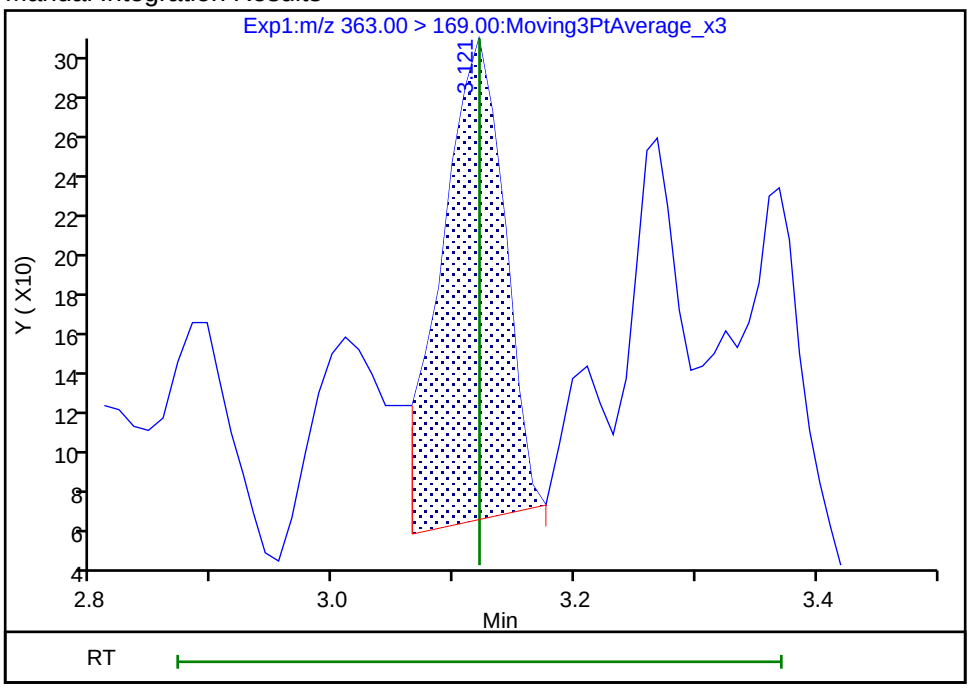
Not Detected
Expected RT: 3.12

Processing Integration Results



Manual Integration Results

RT: 3.12
Area: 832
Amount: 0.001489
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:27:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

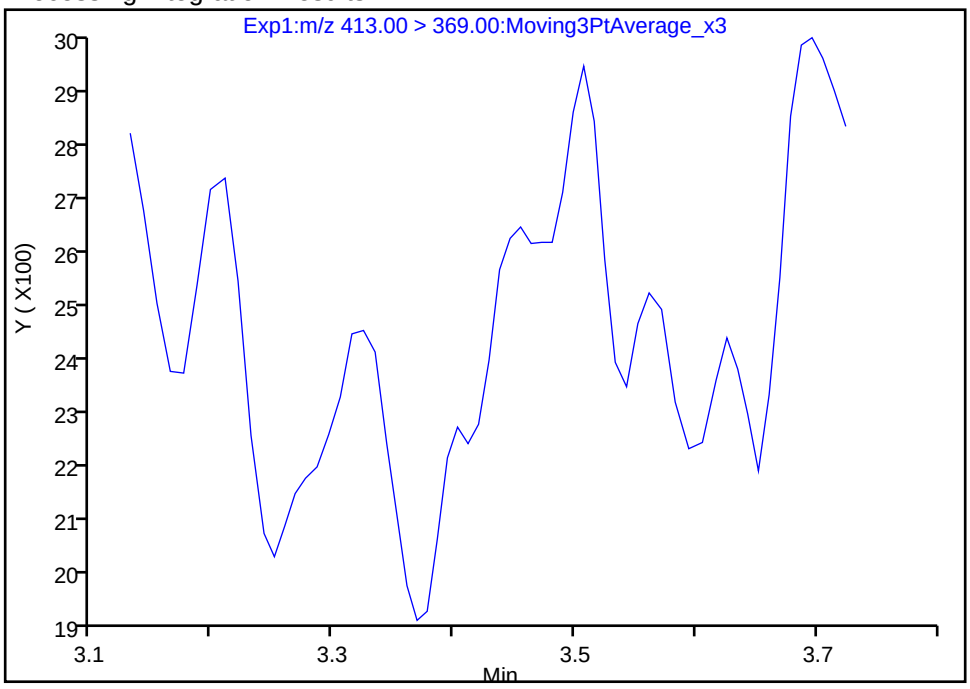
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d				
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

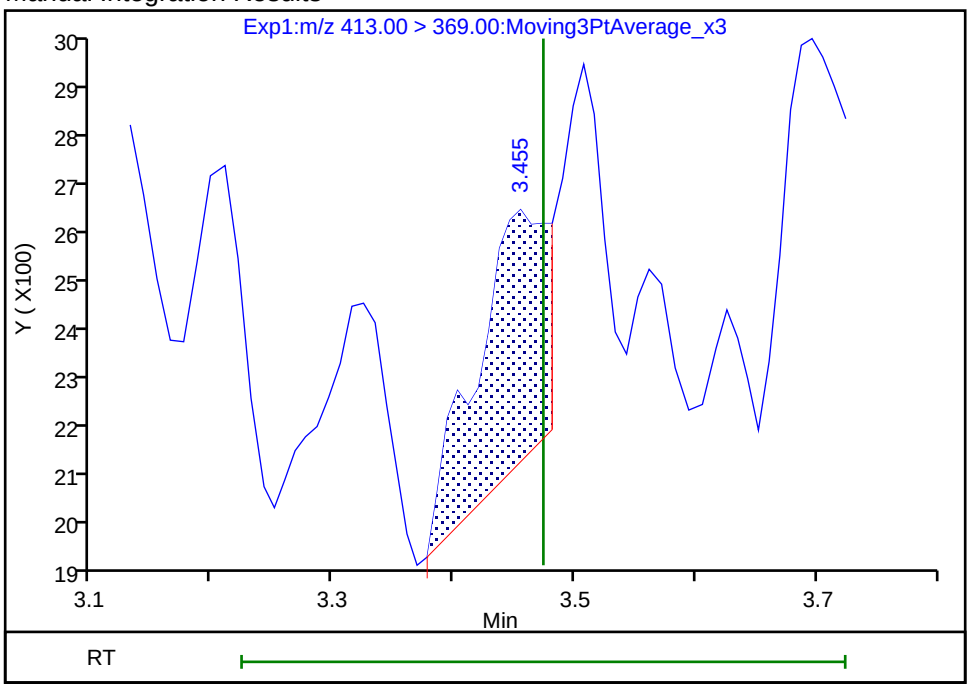
Not Detected
Expected RT: 3.47

Processing Integration Results



Manual Integration Results

RT: 3.45
Area: 2009
Amount: 0.001553
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:29:18
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

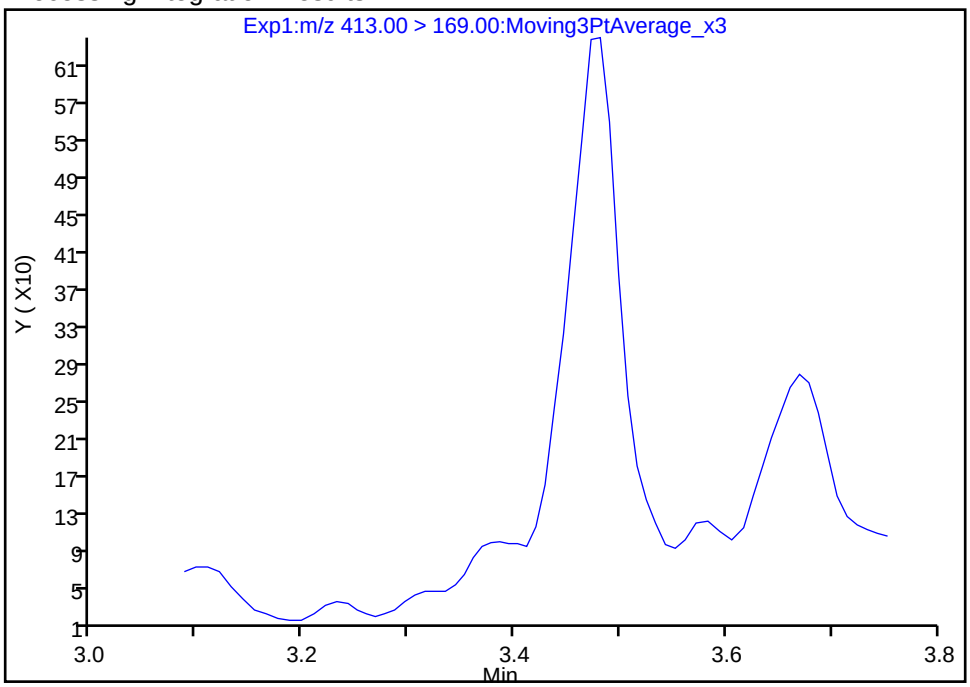
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d				
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

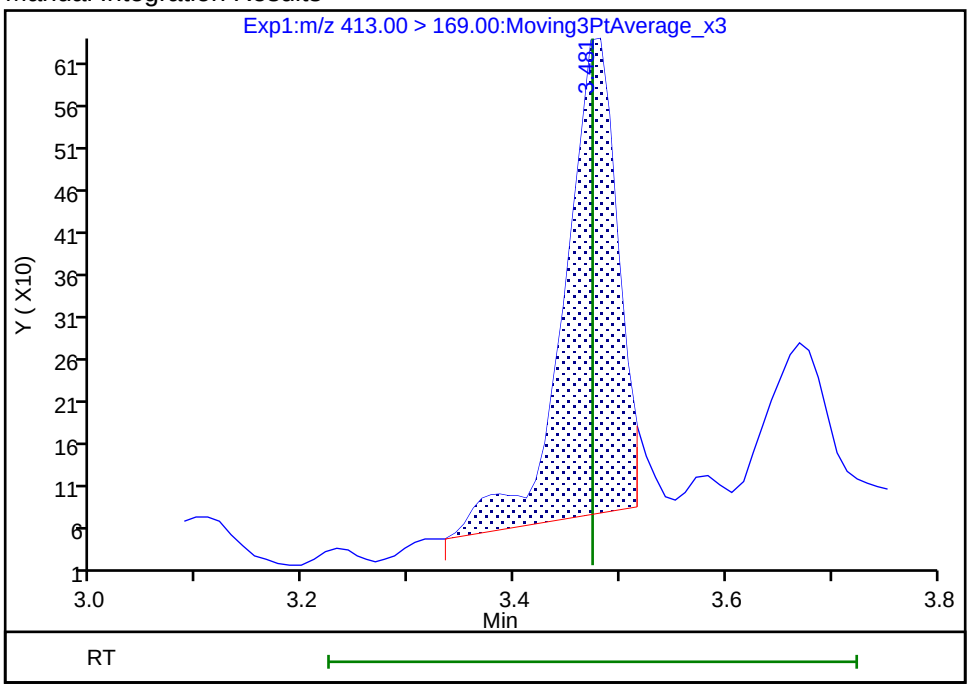
Not Detected
Expected RT: 3.47

Processing Integration Results



Manual Integration Results

RT: 3.48
Area: 1971
Amount: 0.001553
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:29:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

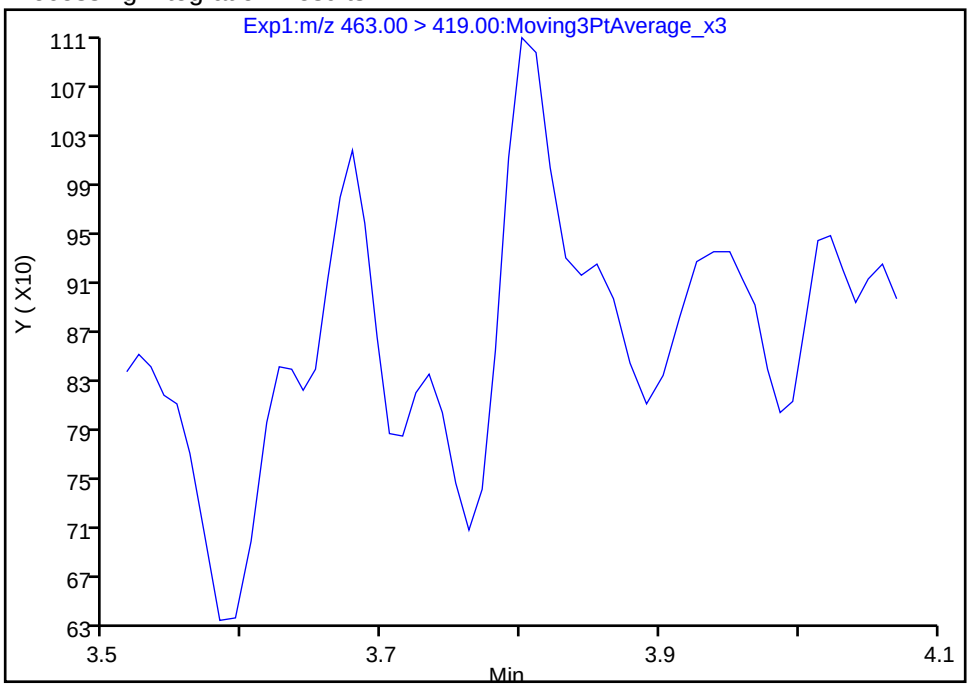
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d				
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

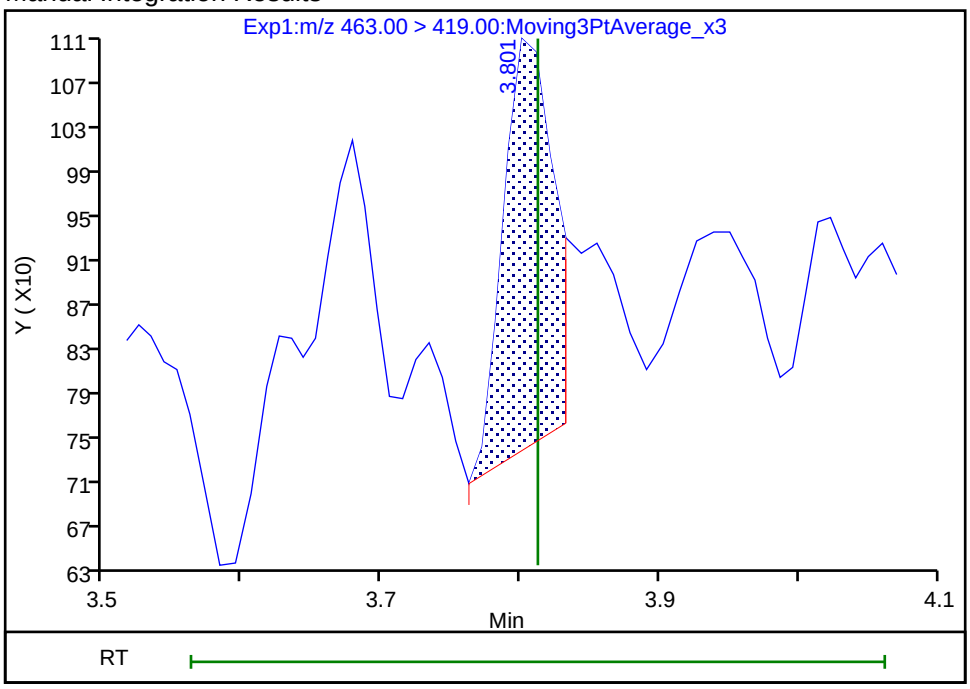
Not Detected
Expected RT: 3.81

Processing Integration Results



Manual Integration Results

RT: 3.80
Area: 895
Amount: 0.000758
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:30:47
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

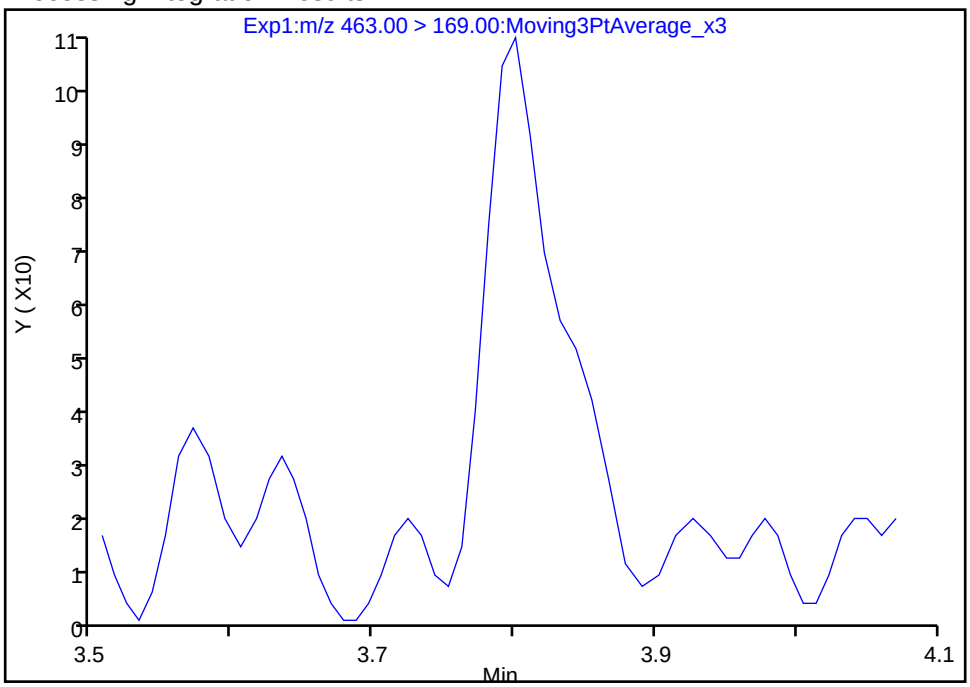
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d				
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

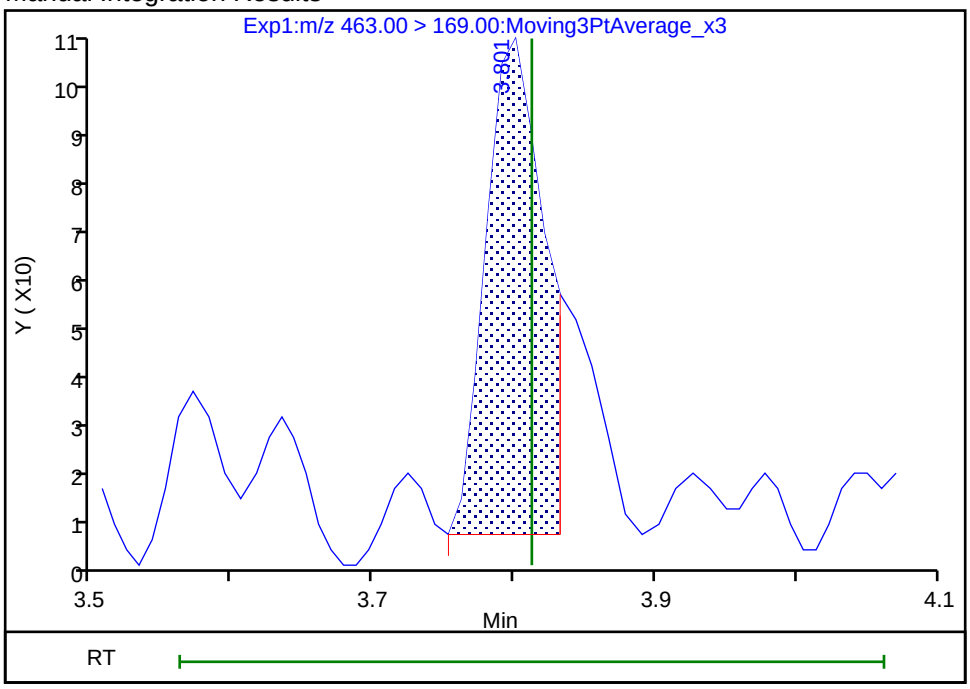
Not Detected
Expected RT: 3.81

Processing Integration Results



Manual Integration Results

RT: 3.80
Area: 271
Amount: 0.000758
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:30:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

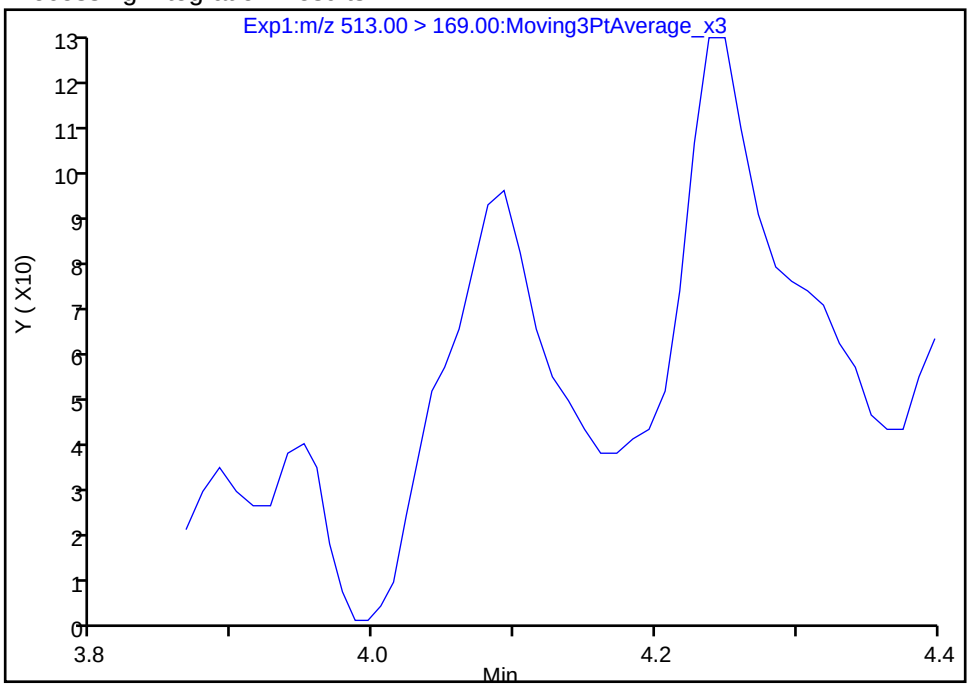
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d				
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

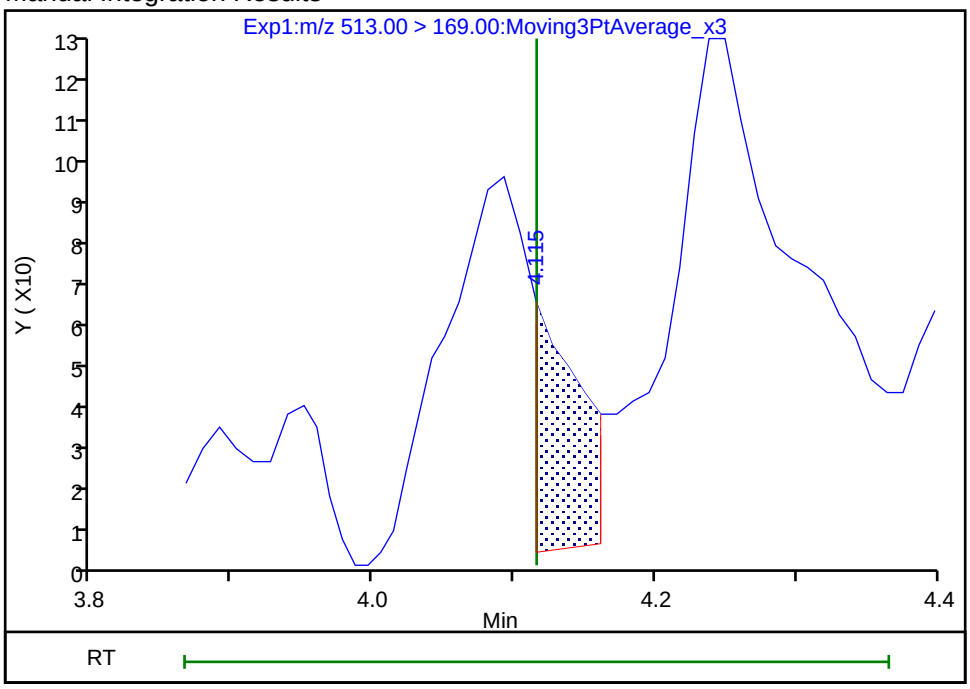
Not Detected
Expected RT: 4.12

Processing Integration Results



Manual Integration Results

RT: 4.12
Area: 115
Amount: 0.001395
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:48:43
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

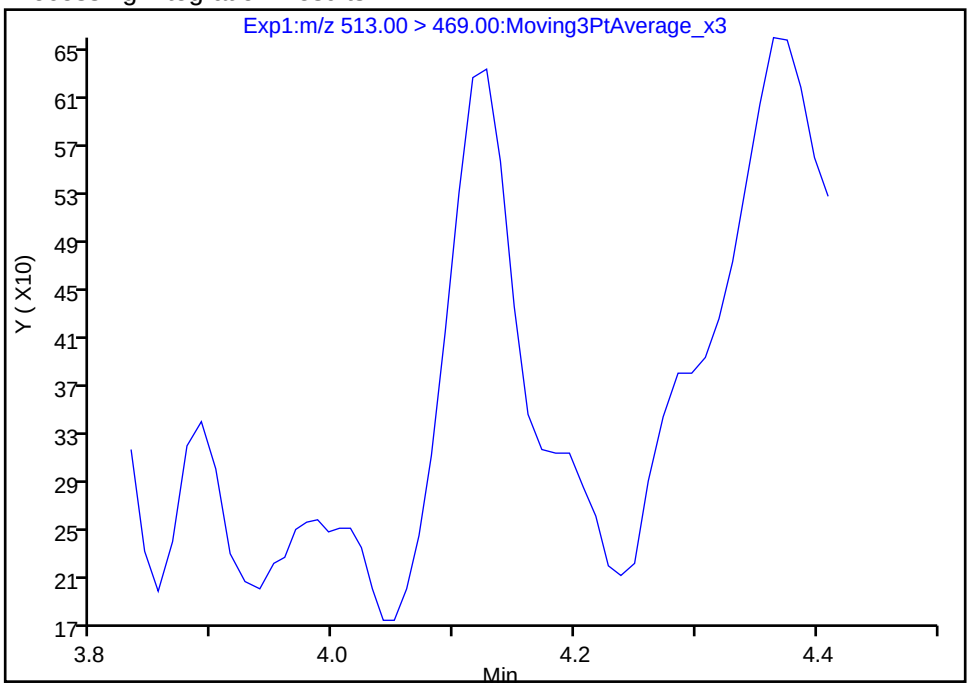
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d				
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

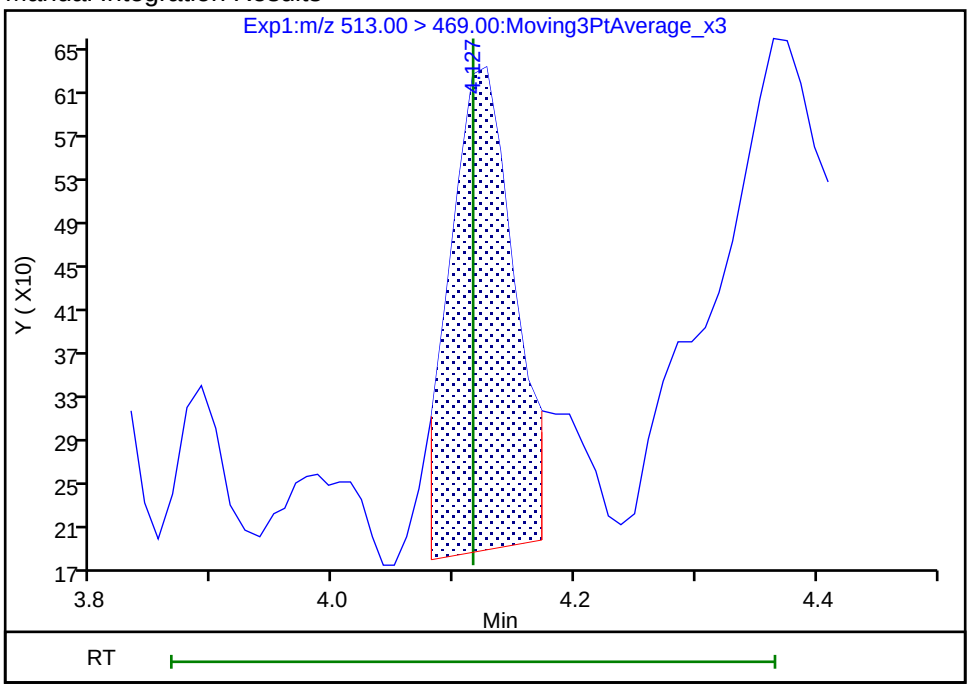
Not Detected
Expected RT: 4.12

Processing Integration Results



Manual Integration Results

RT: 4.13
Area: 1595
Amount: 0.001395
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:48:46
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

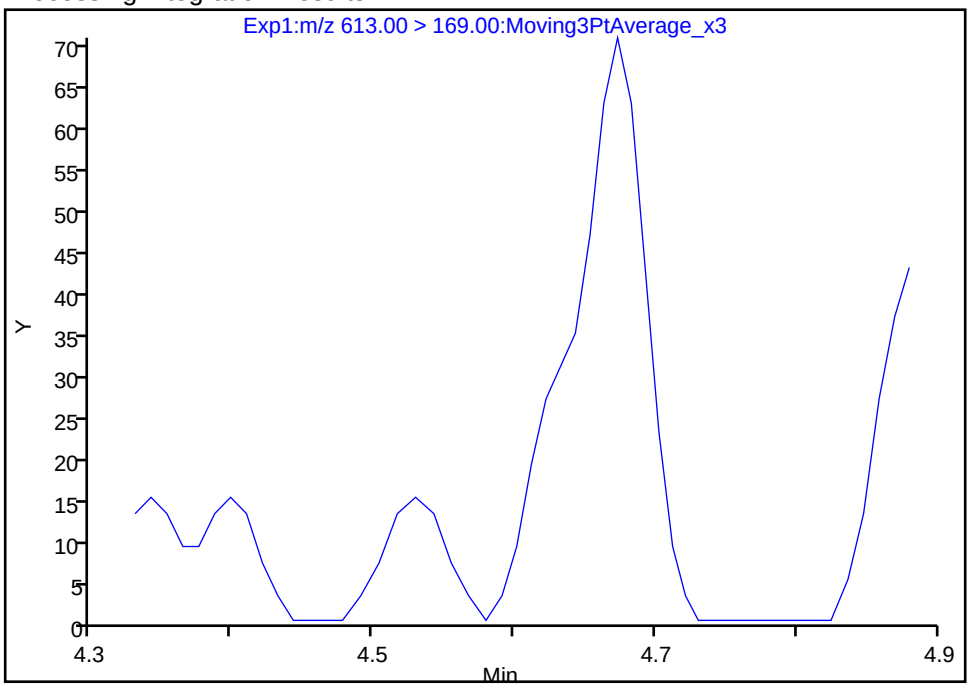
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d				
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

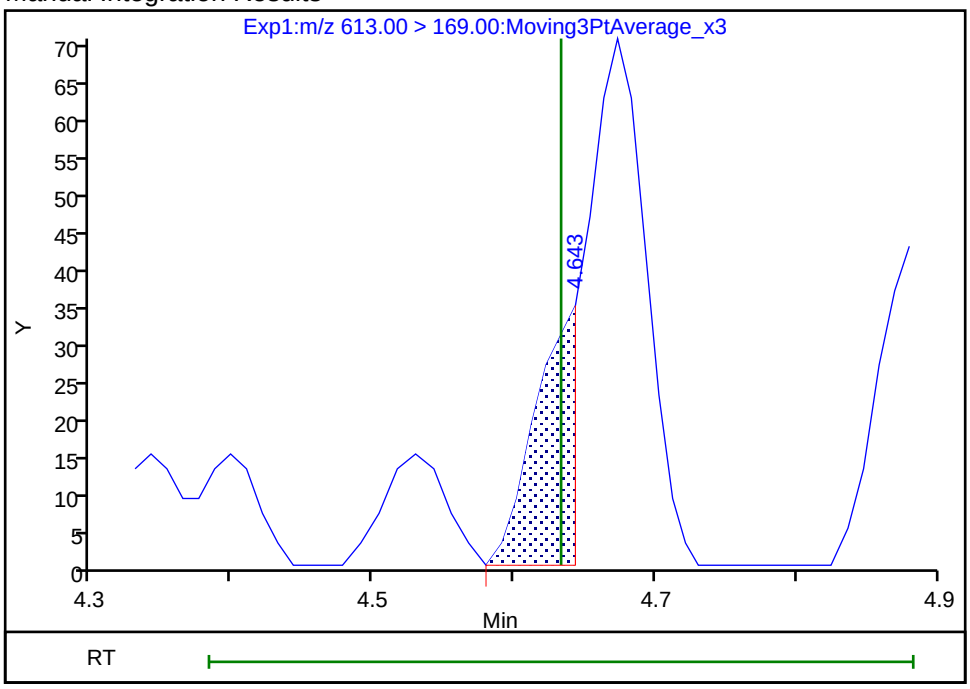
Not Detected
Expected RT: 4.63

Processing Integration Results



Manual Integration Results

RT: 4.64
Area: 66
Amount: 0.001285
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:31:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

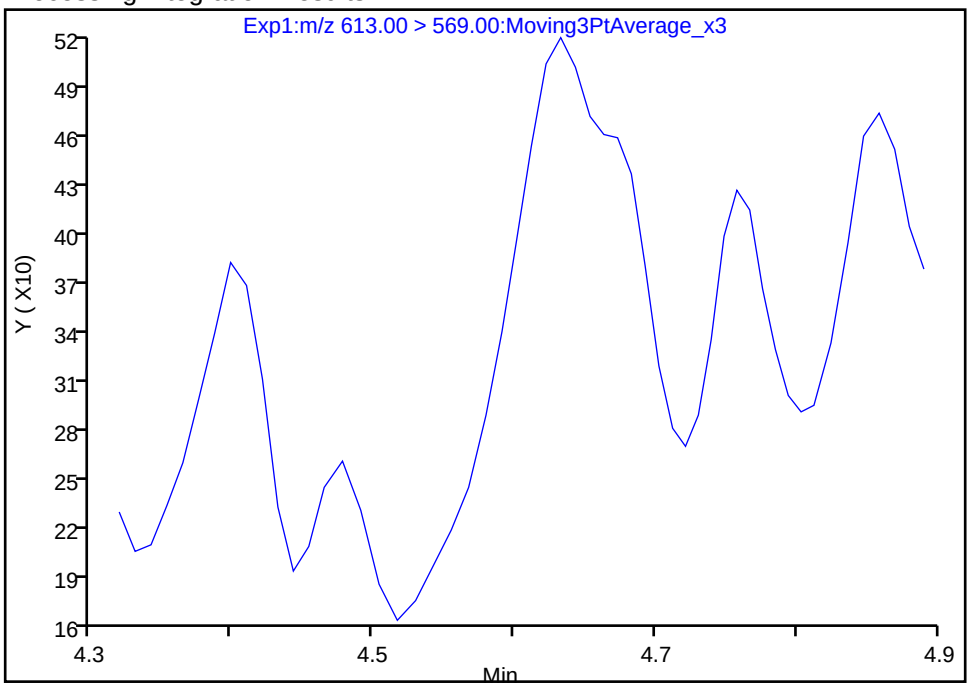
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d				
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

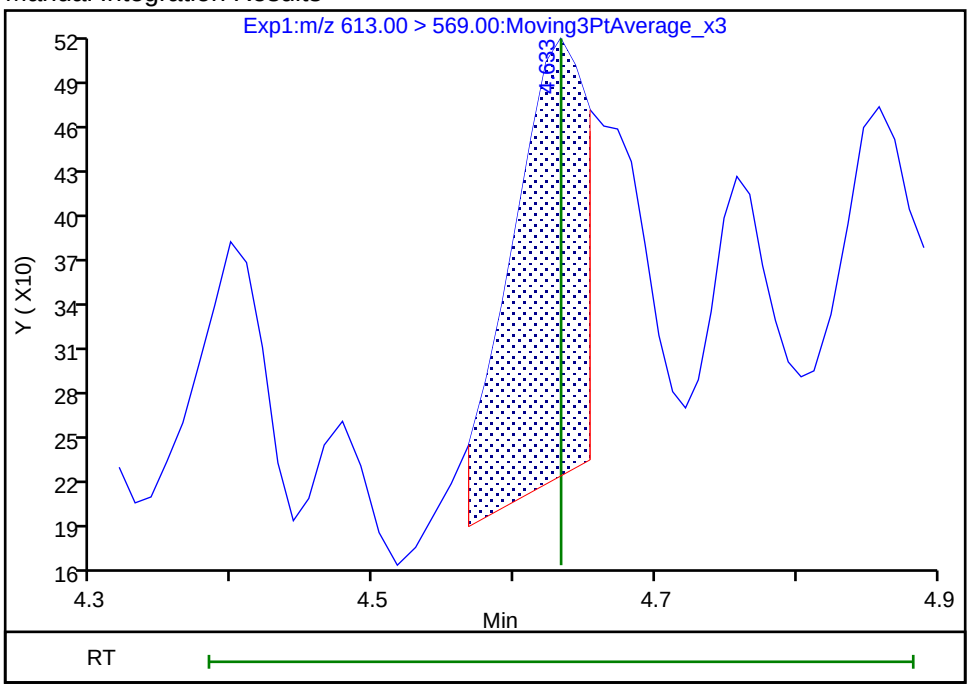
Not Detected
Expected RT: 4.63

Processing Integration Results



Manual Integration Results

RT: 4.63
Area: 1046
Amount: 0.001285
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:31:51
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

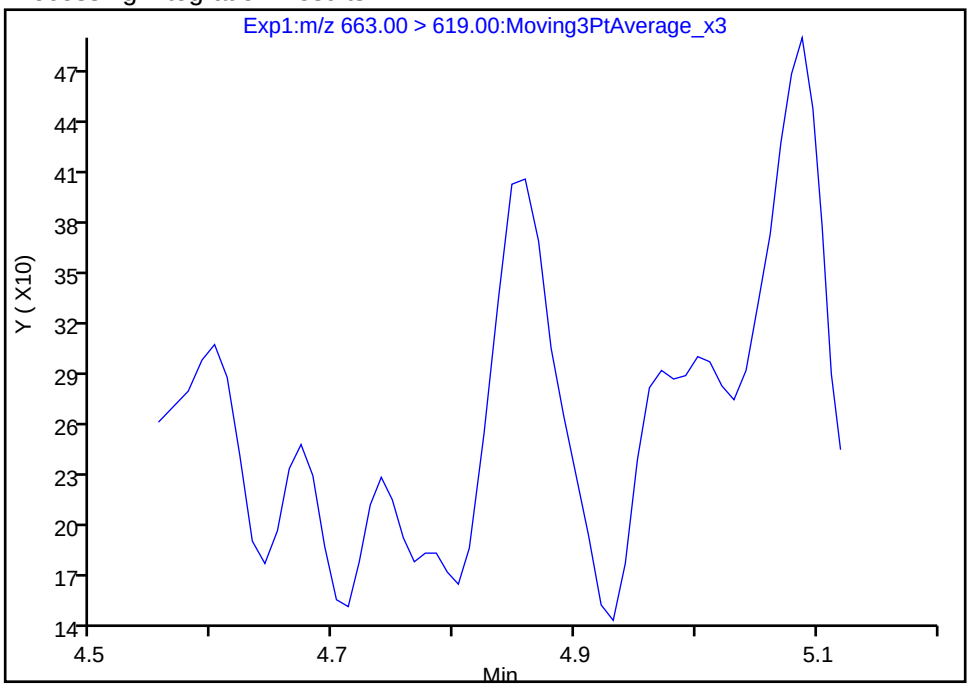
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d				
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

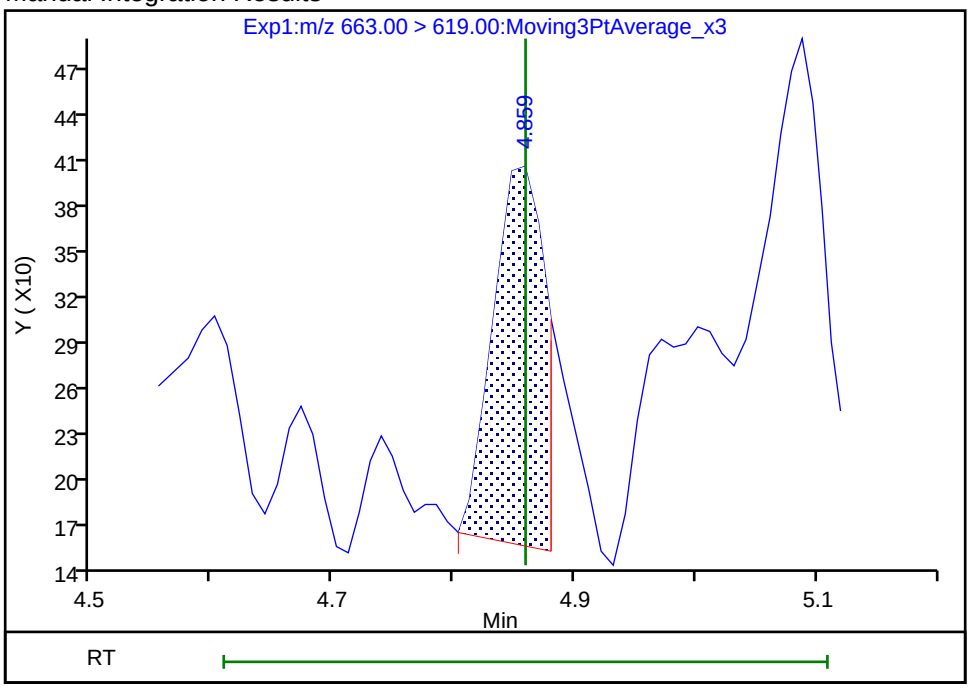
Not Detected
Expected RT: 4.86

Processing Integration Results



Manual Integration Results

RT: 4.86
Area: 699
Amount: 0.000991
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:32:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

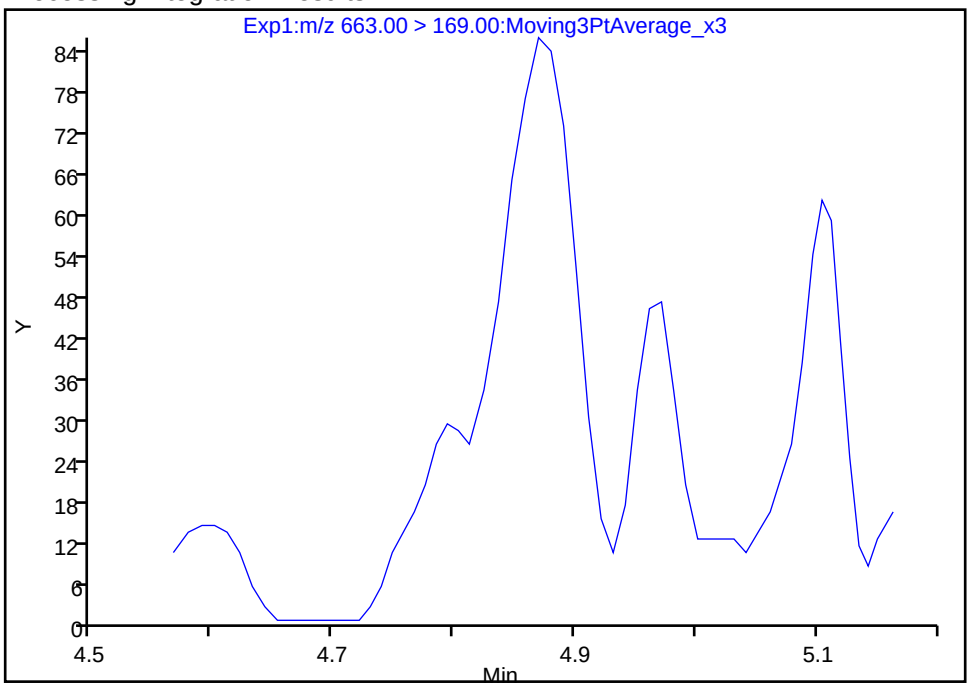
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d				
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

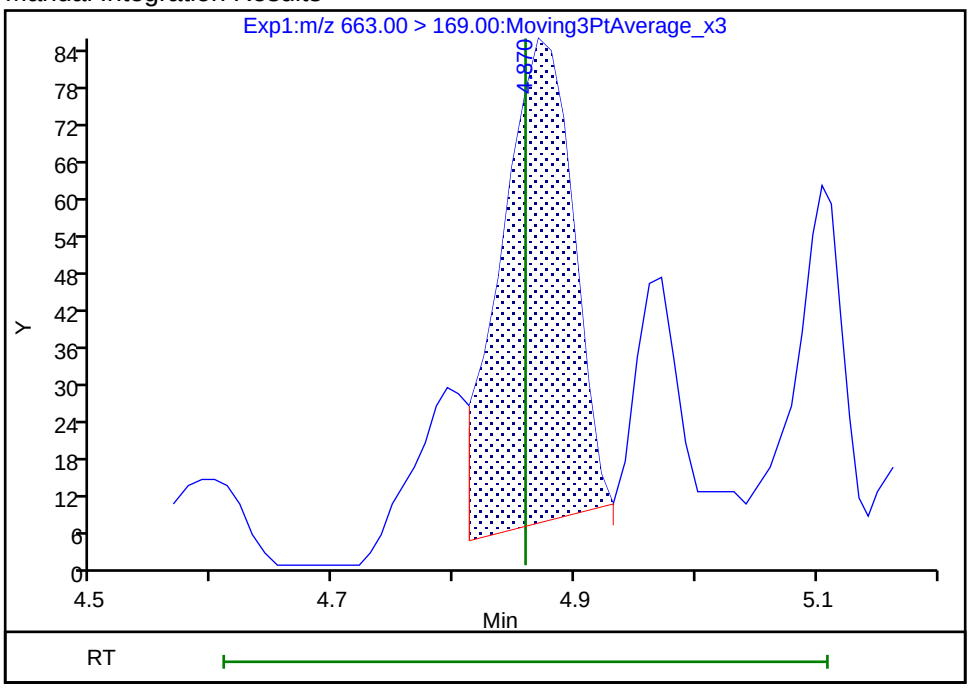
Not Detected
Expected RT: 4.86

Processing Integration Results



Manual Integration Results

RT: 4.87
Area: 325
Amount: 0.000991
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:32:06
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

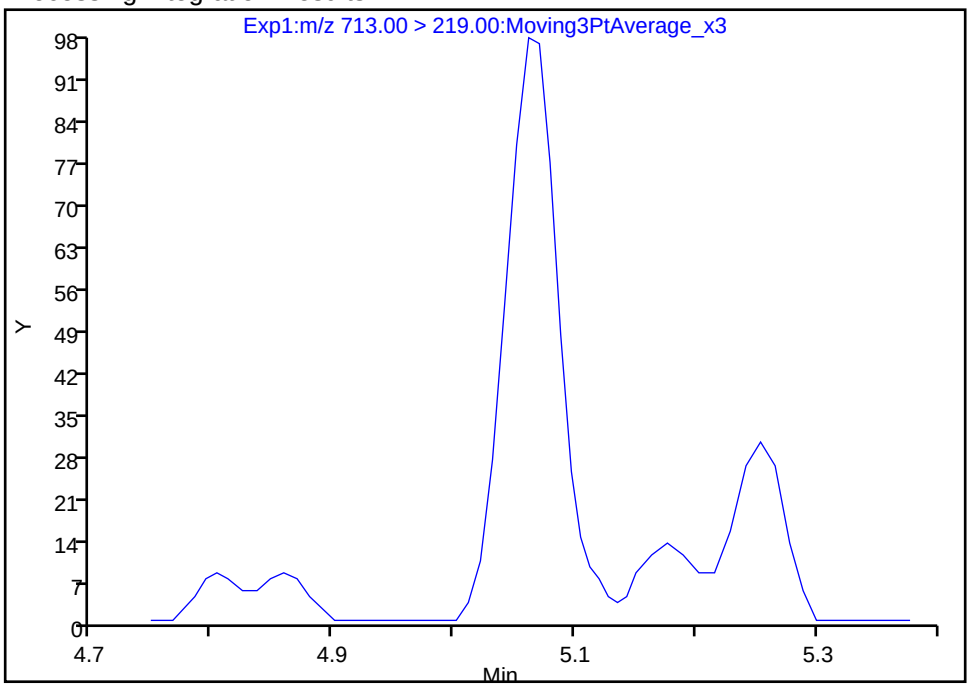
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d				
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

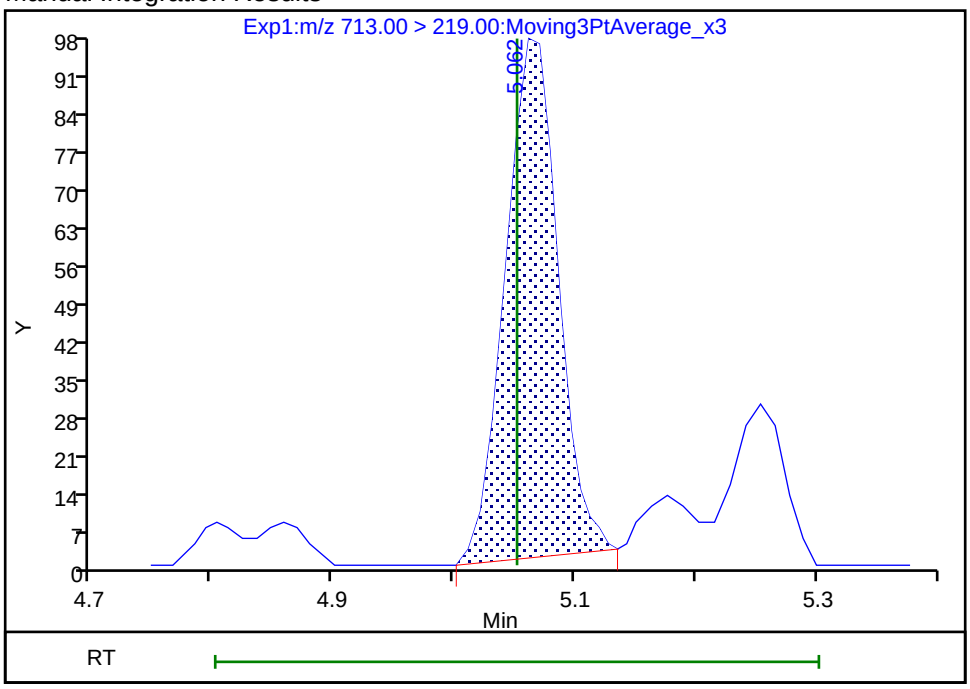
Not Detected
Expected RT: 5.05

Processing Integration Results



Manual Integration Results

RT: 5.06
Area: 293
Amount: 0.002597
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:32:16
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

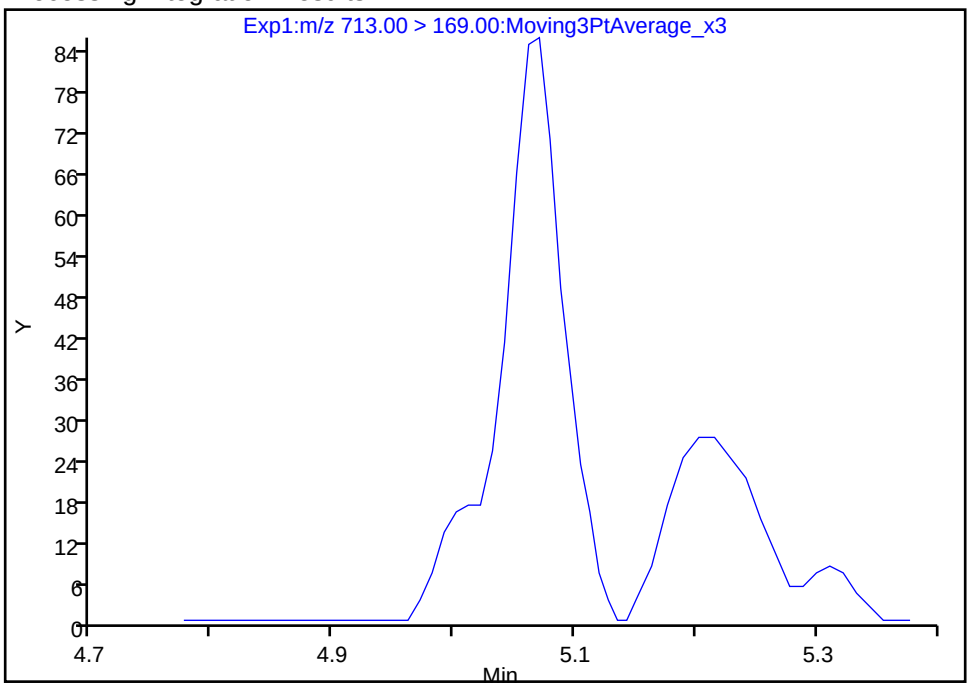
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d				
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

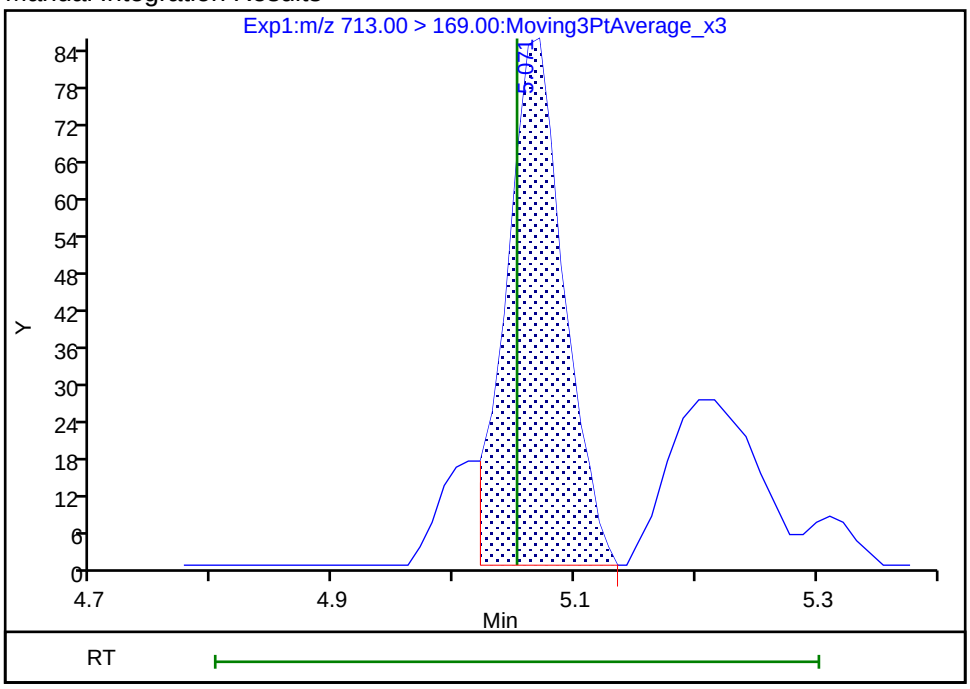
Not Detected
Expected RT: 5.05

Processing Integration Results



Manual Integration Results

RT: 5.07
Area: 281
Amount: 0.002597
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:32:18
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

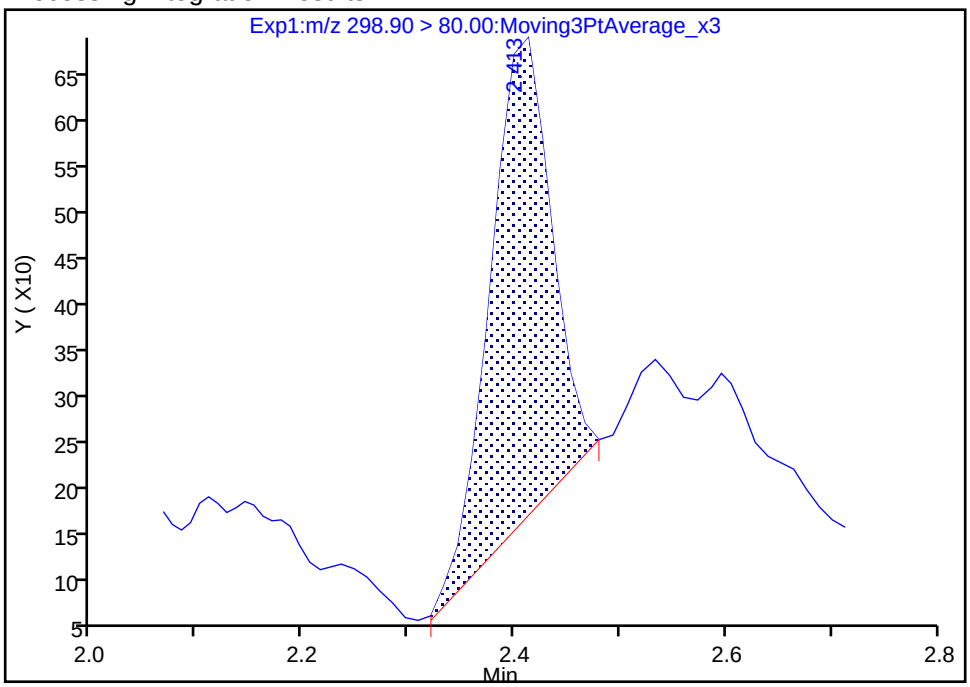
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d				
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

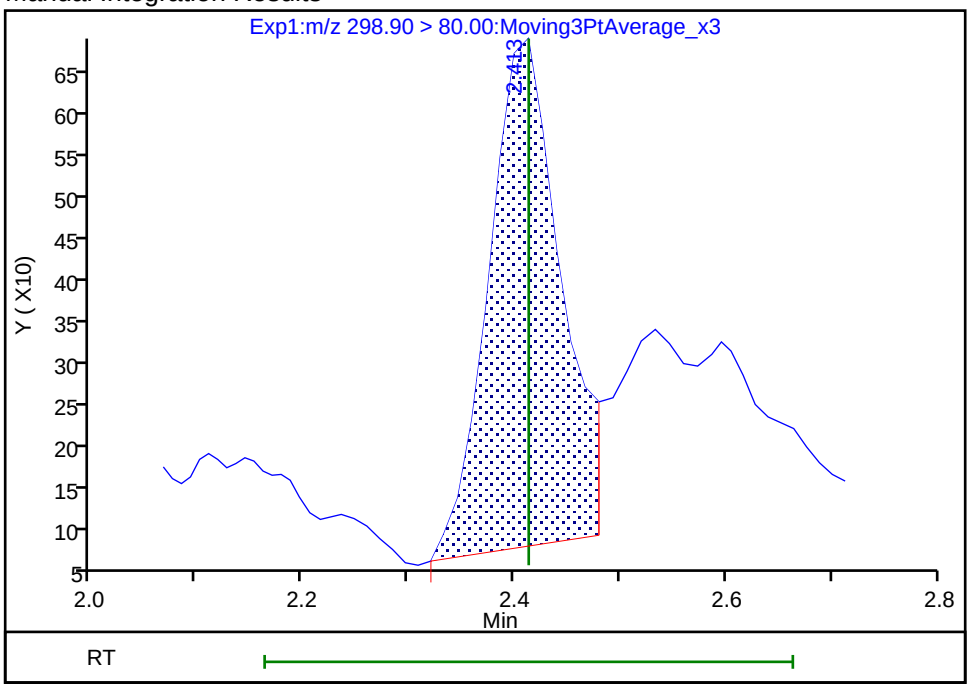
Processing Integration Results

RT: 2.41
Area: 2125
Amount: 0.001652
Amount Units: ng/ml



Manual Integration Results

RT: 2.41
Area: 2865
Amount: 0.002227
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:27:16

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

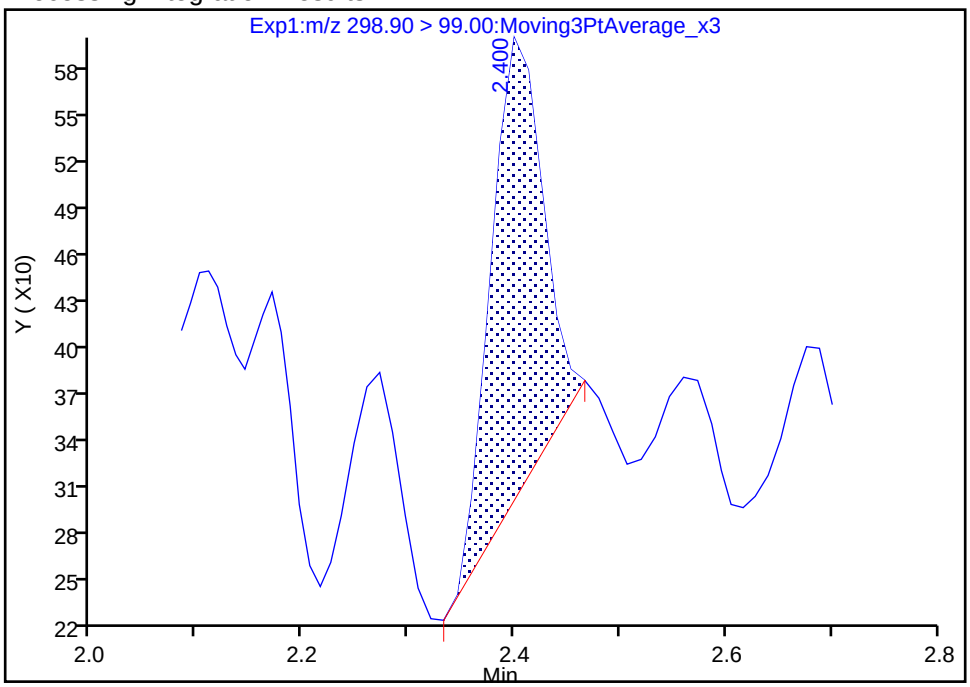
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d				
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

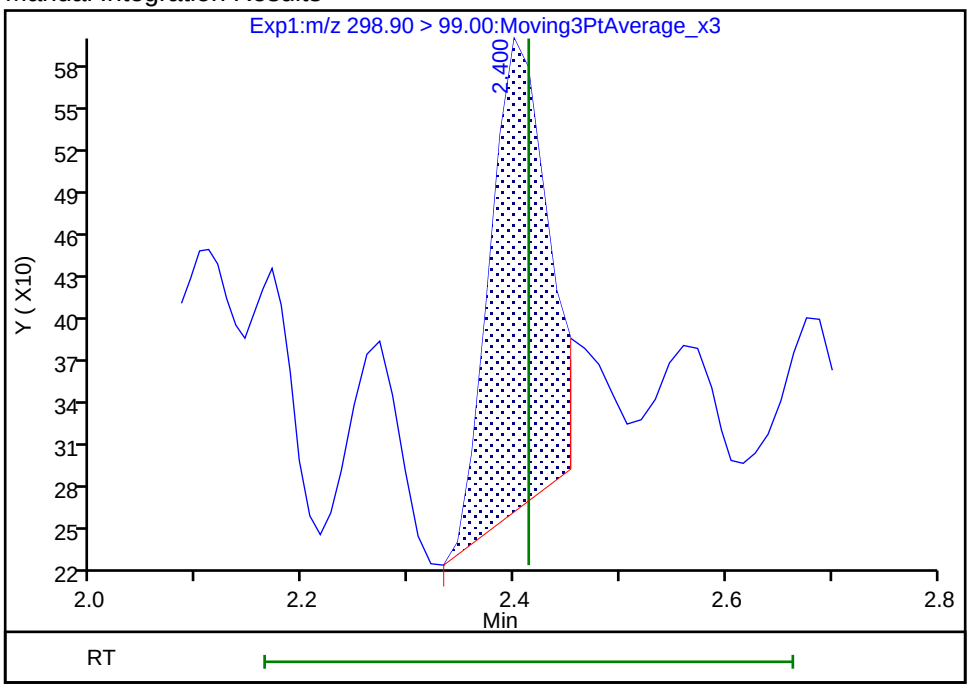
Processing Integration Results

RT: 2.40
Area: 969
Amount: 0.001652
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 1206
Amount: 0.002227
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:27:18
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

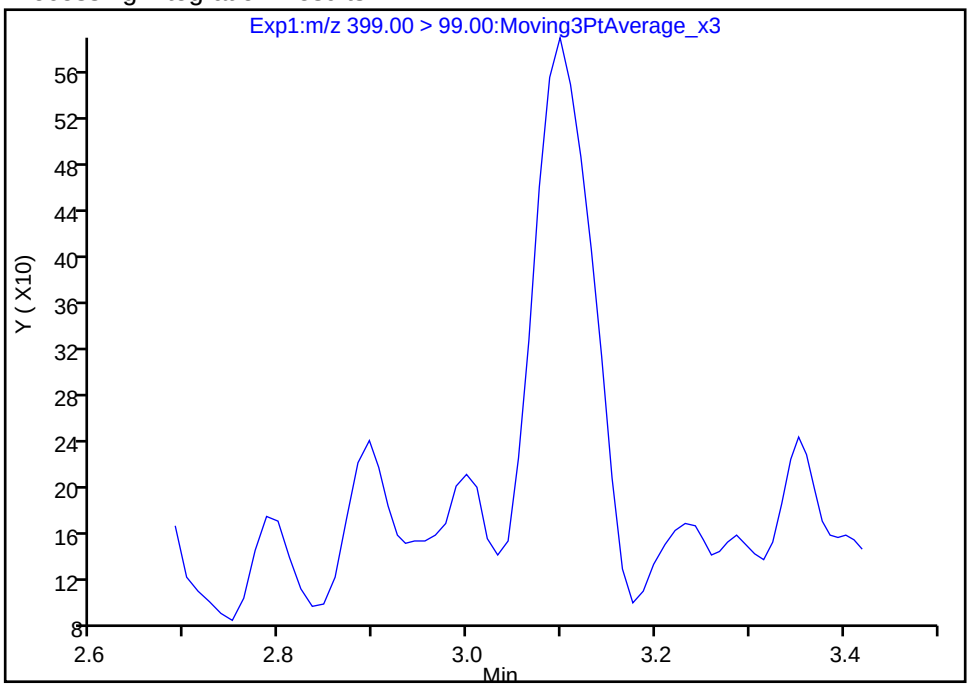
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d				
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

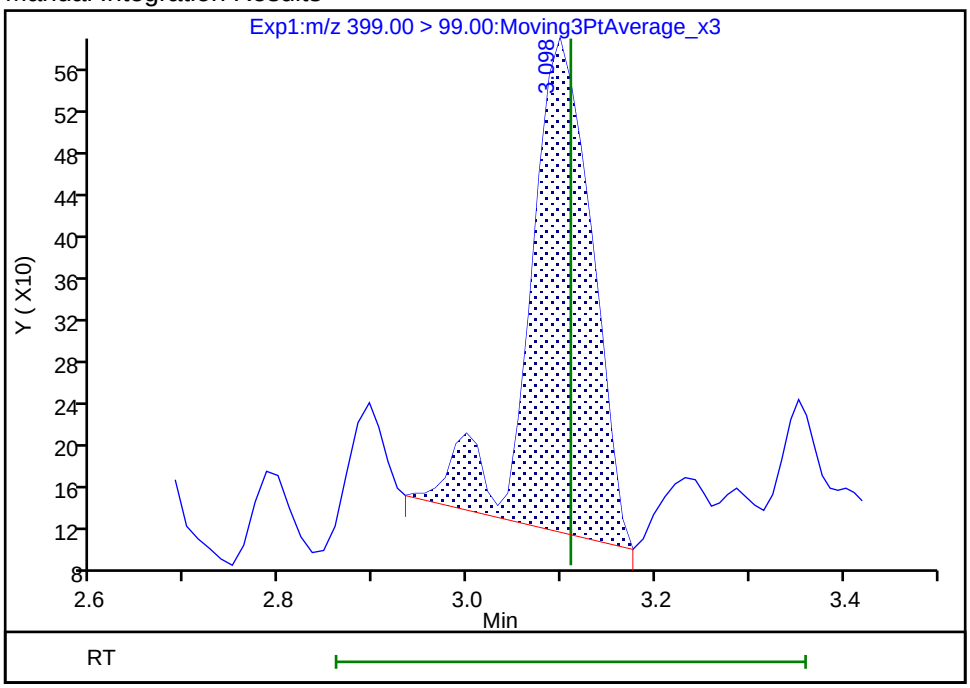
Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results

RT: 3.10
Area: 2169
Amount: 0.004250
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:27:39
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

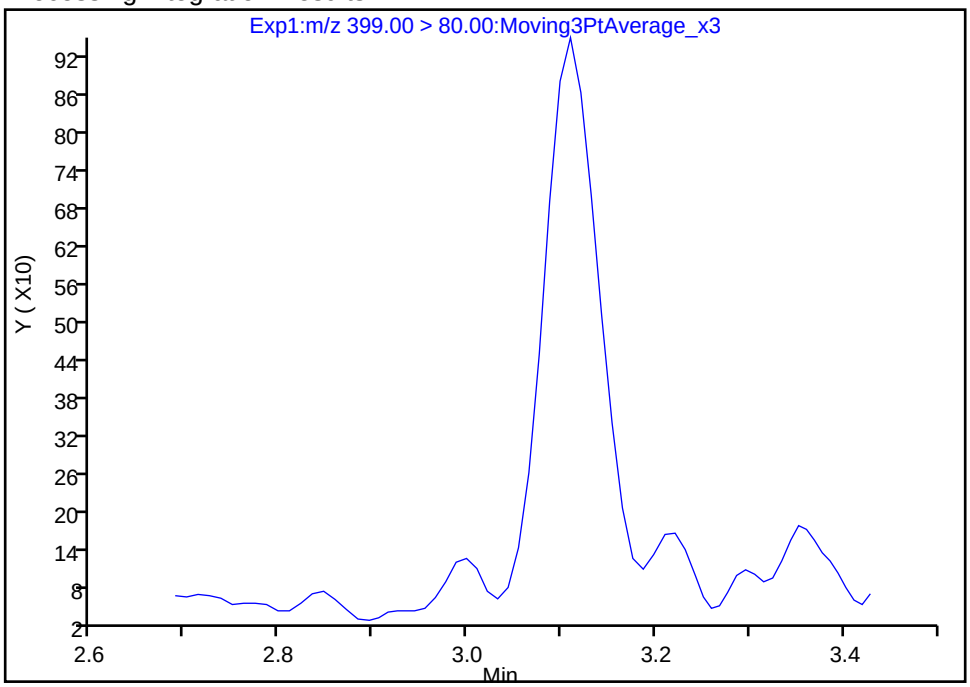
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d				
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

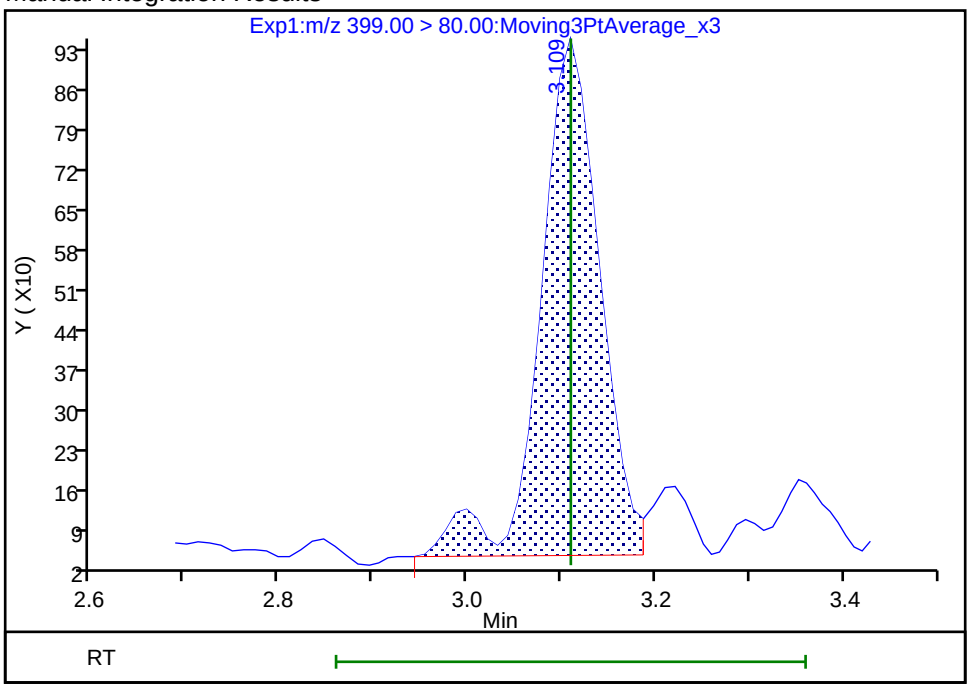
Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results

RT: 3.11
Area: 3983
Amount: 0.004250
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:27:41
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

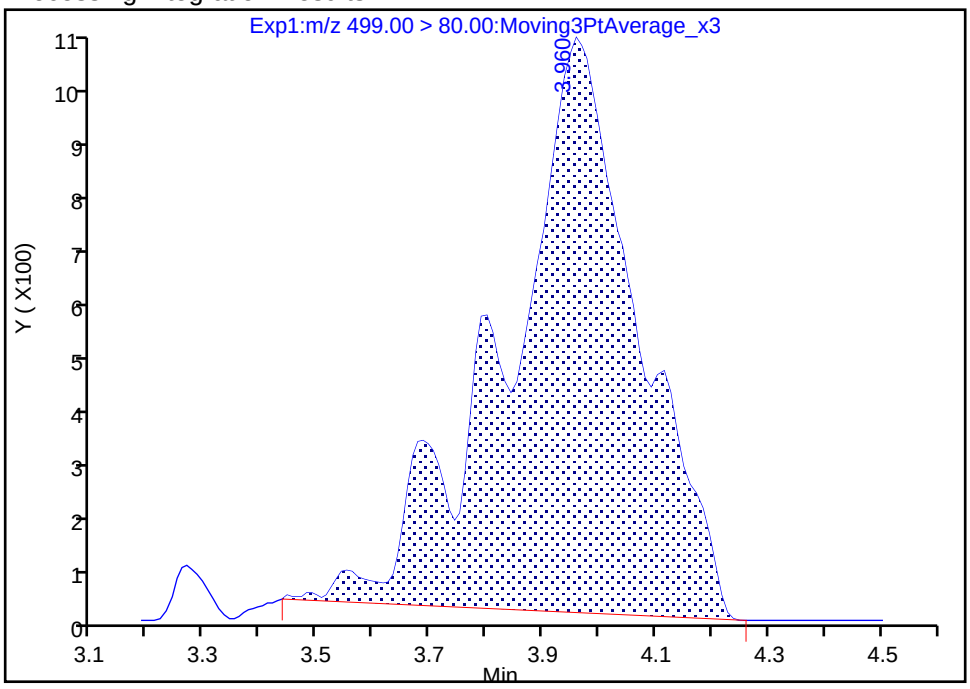
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d				
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

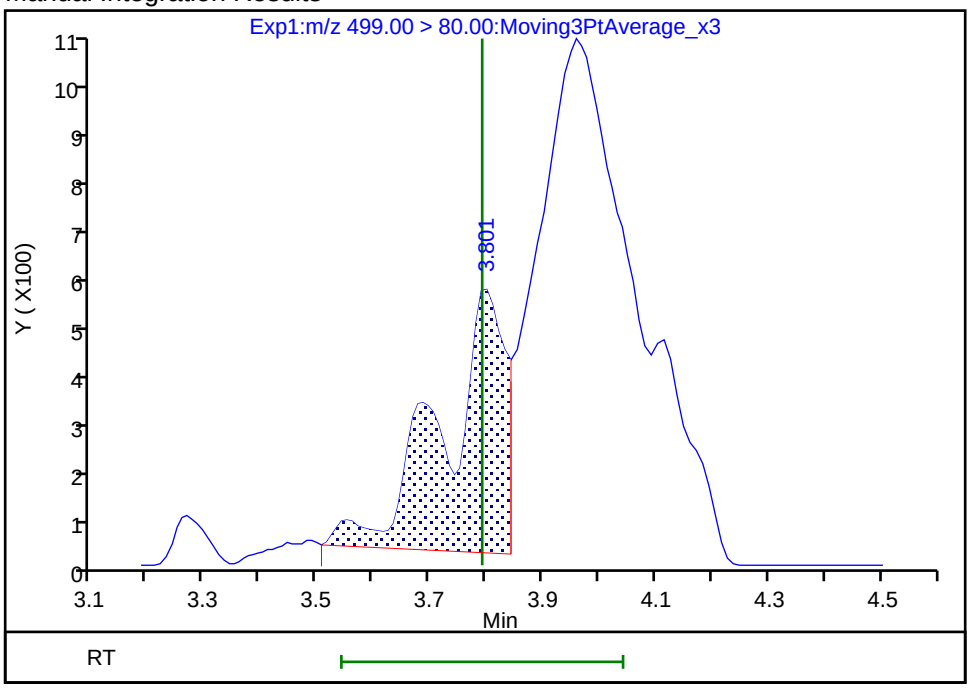
Processing Integration Results

RT: 3.96
Area: 16748
Amount: 0.009930
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 3971
Amount: -0.011711
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:30:09

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

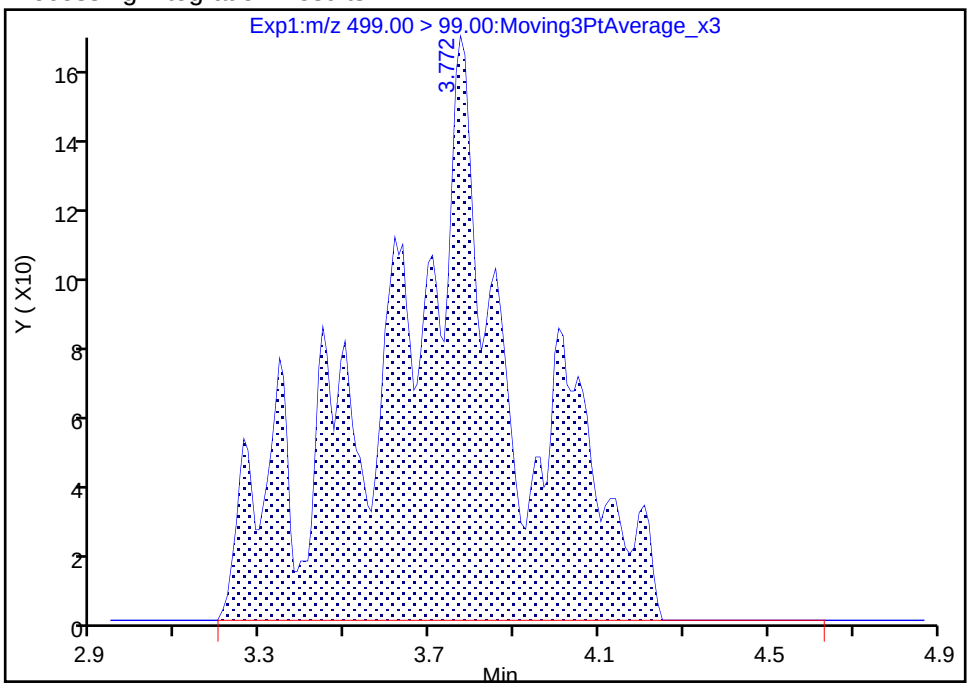
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d				
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

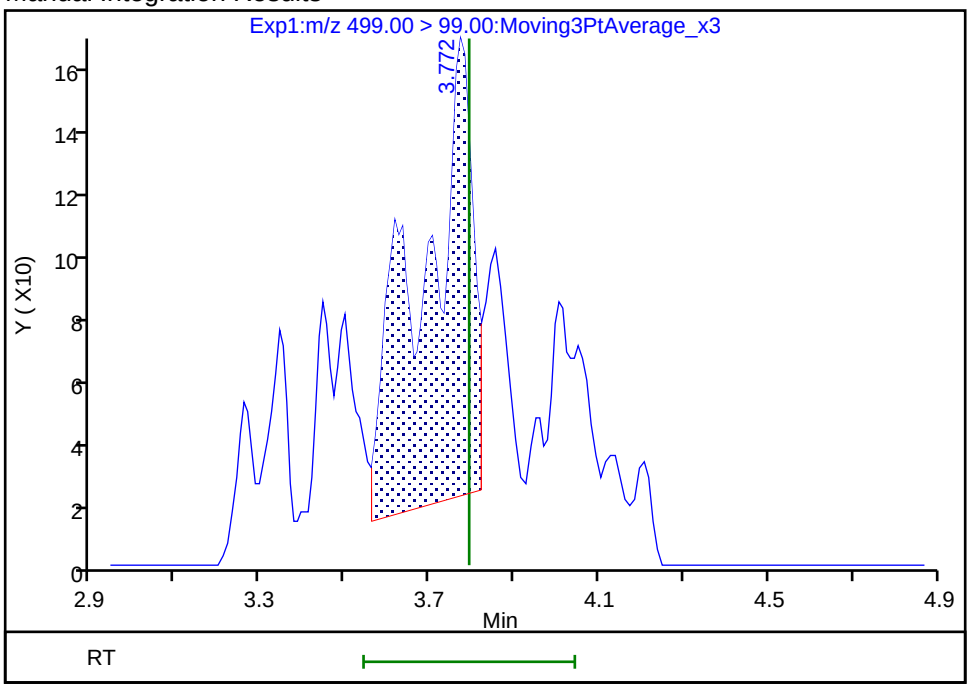
Processing Integration Results

RT: 3.77
Area: 3676
Amount: 0.009930
Amount Units: ng/ml



Manual Integration Results

RT: 3.77
Area: 1229
Amount: -0.011711
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:30:18

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

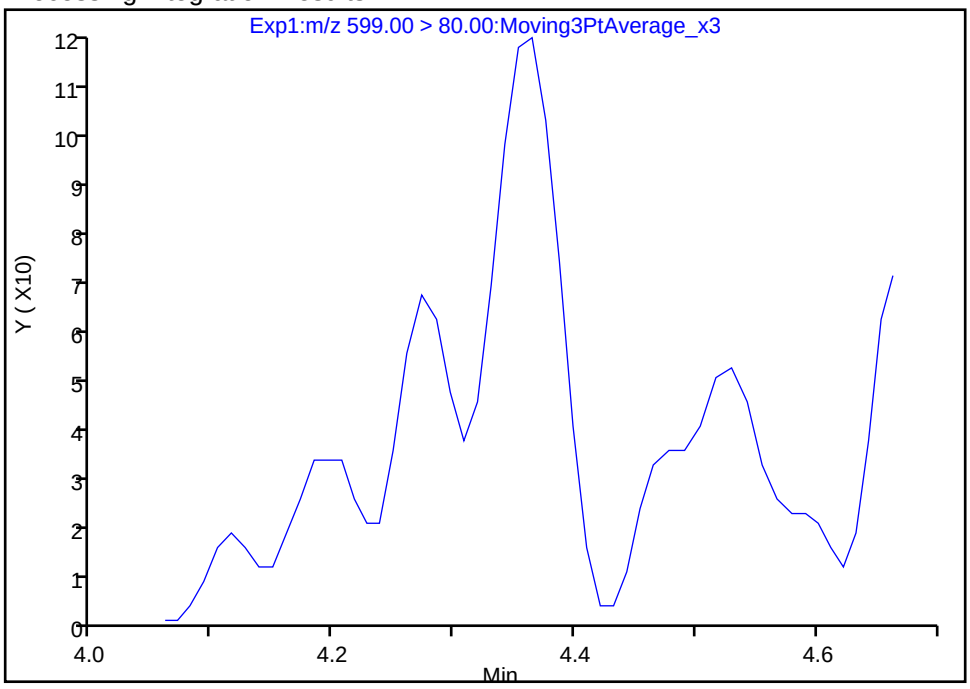
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d				
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

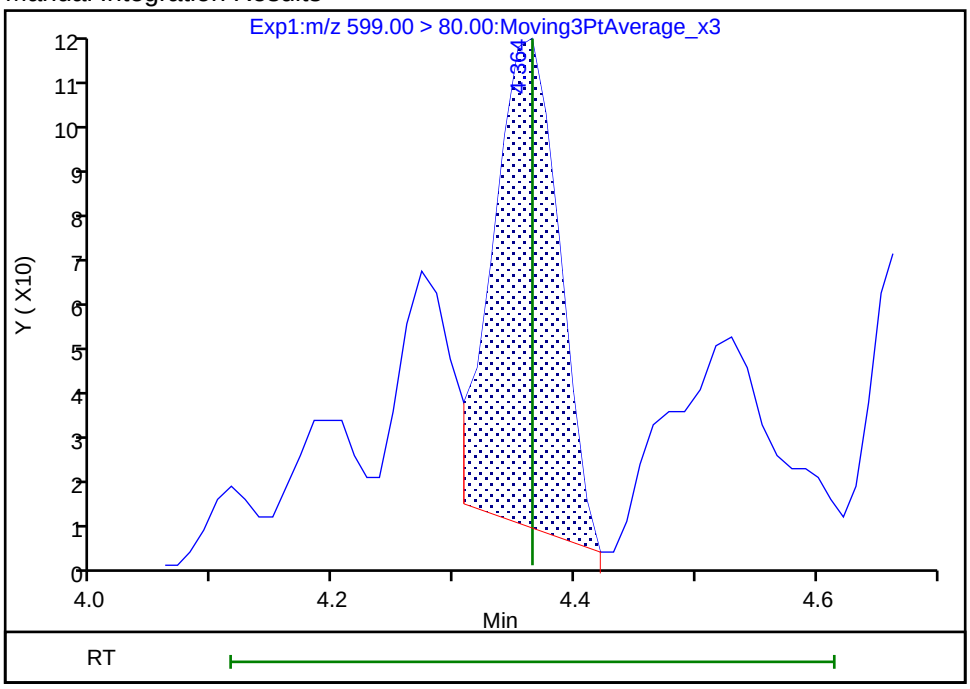
Not Detected
Expected RT: 4.36

Processing Integration Results



Manual Integration Results

RT: 4.36
Area: 418
Amount: 0.001215
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:31:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

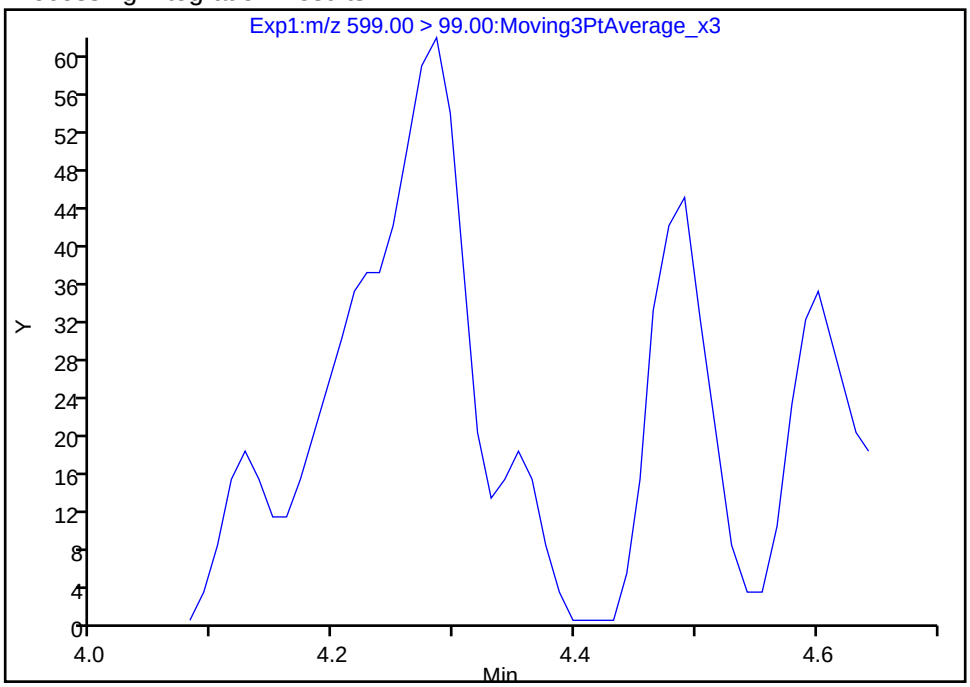
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d				
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

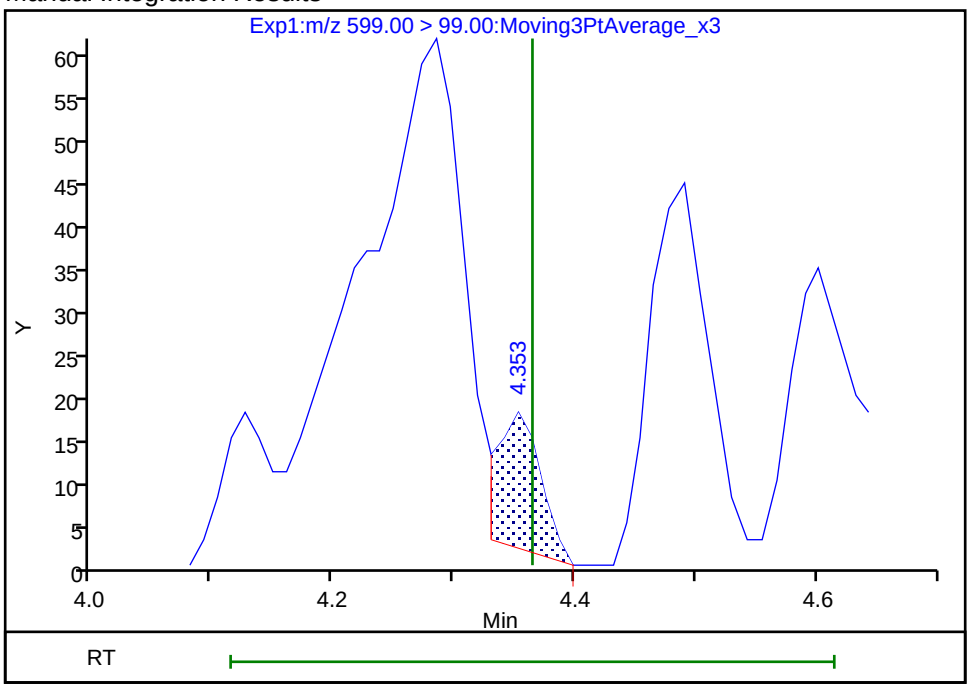
Processing Integration Results

Not Detected
Expected RT: 4.36



Manual Integration Results

RT: 4.35
Area: 38
Amount: 0.001215
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:31:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

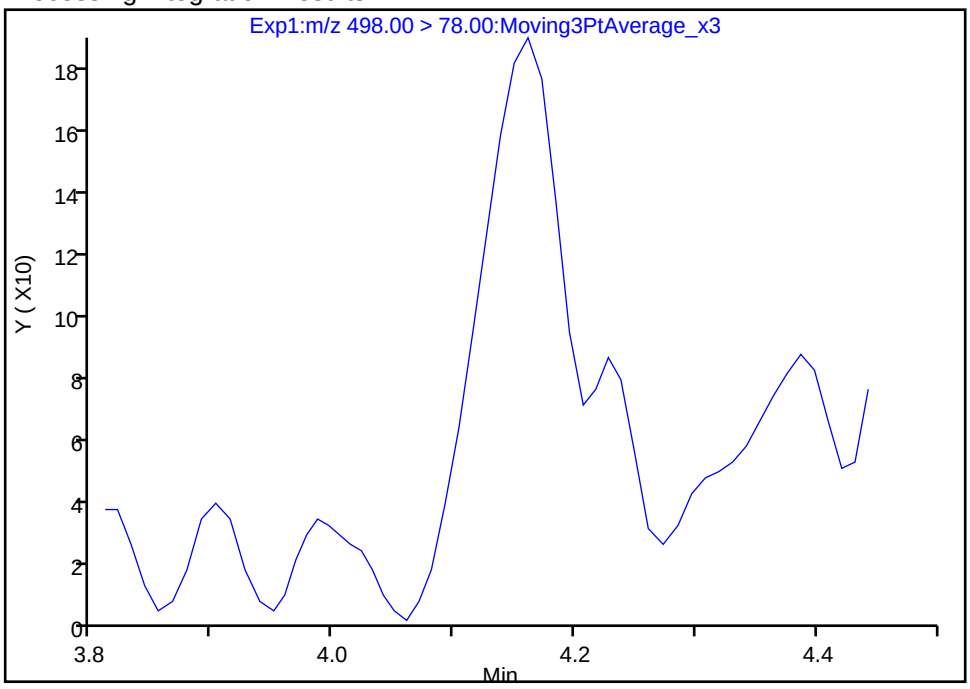
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d				
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

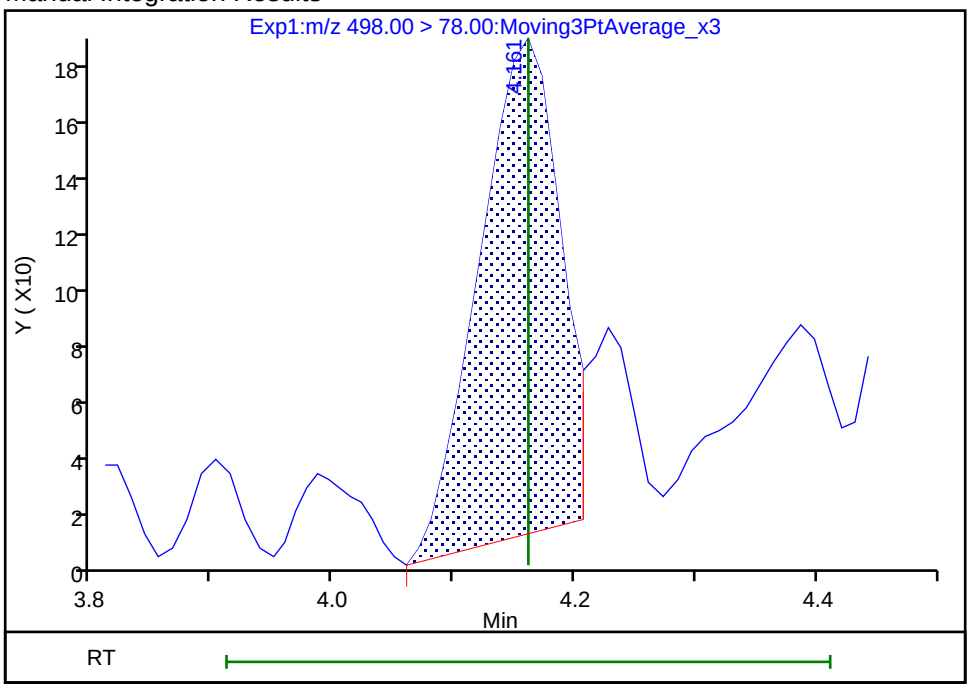
Not Detected
Expected RT: 4.16

Processing Integration Results



Manual Integration Results

RT: 4.16
Area: 802
Amount: 0.000962
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:31:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

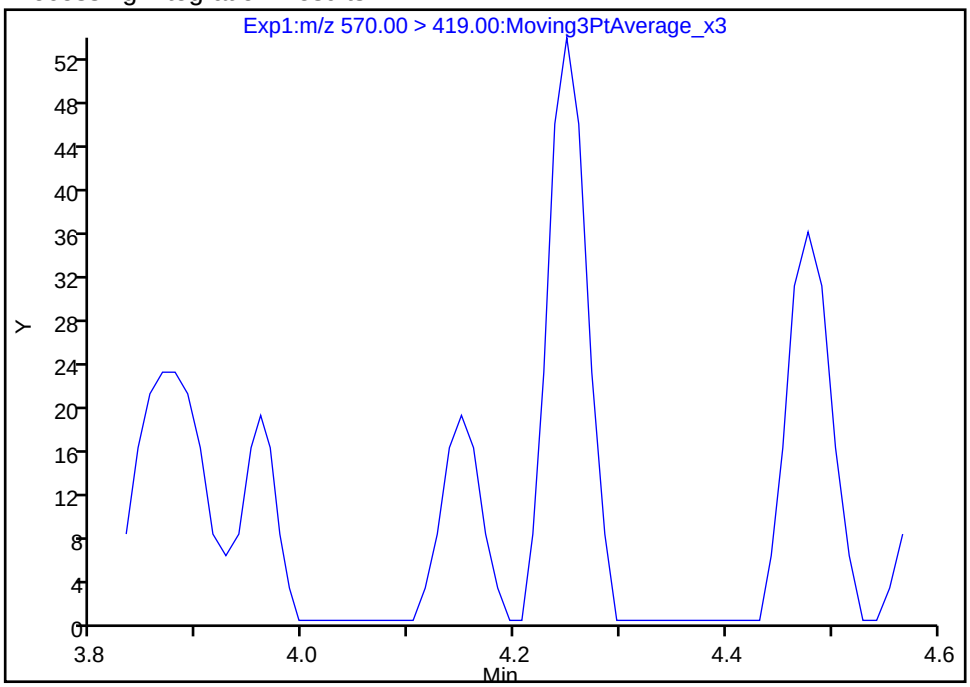
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d				
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

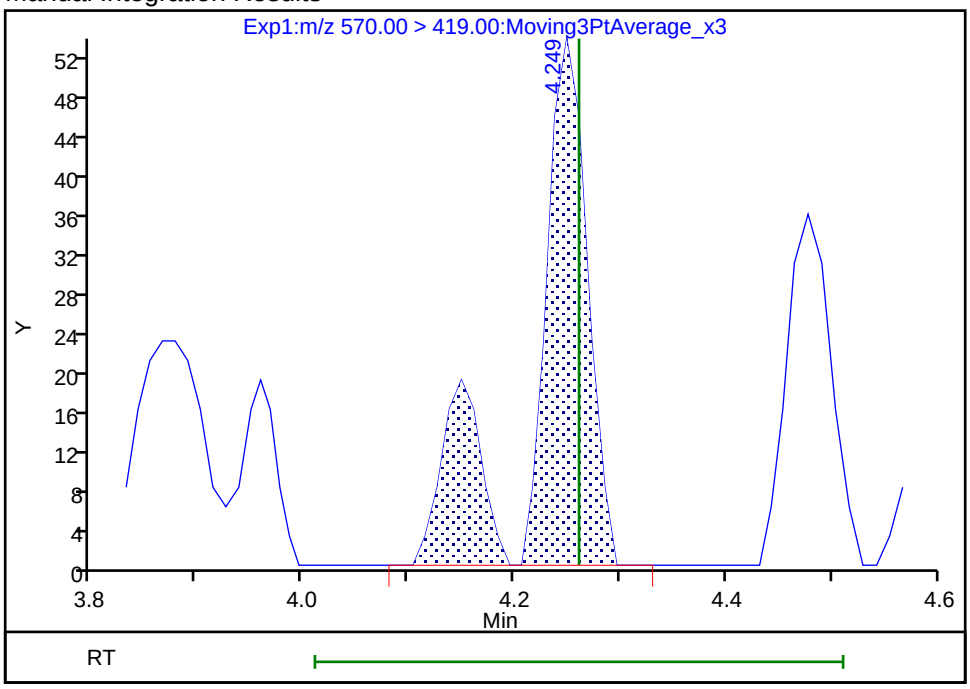
Not Detected
Expected RT: 4.26

Processing Integration Results



Manual Integration Results

RT: 4.25
Area: 191
Amount: 0.001777
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:49:11
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

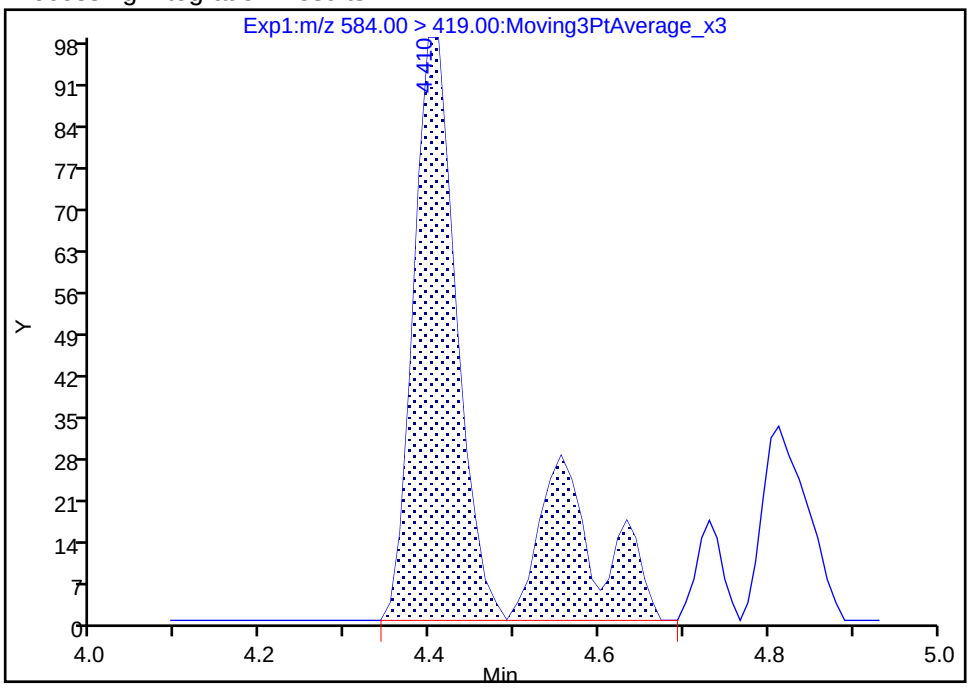
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d				
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

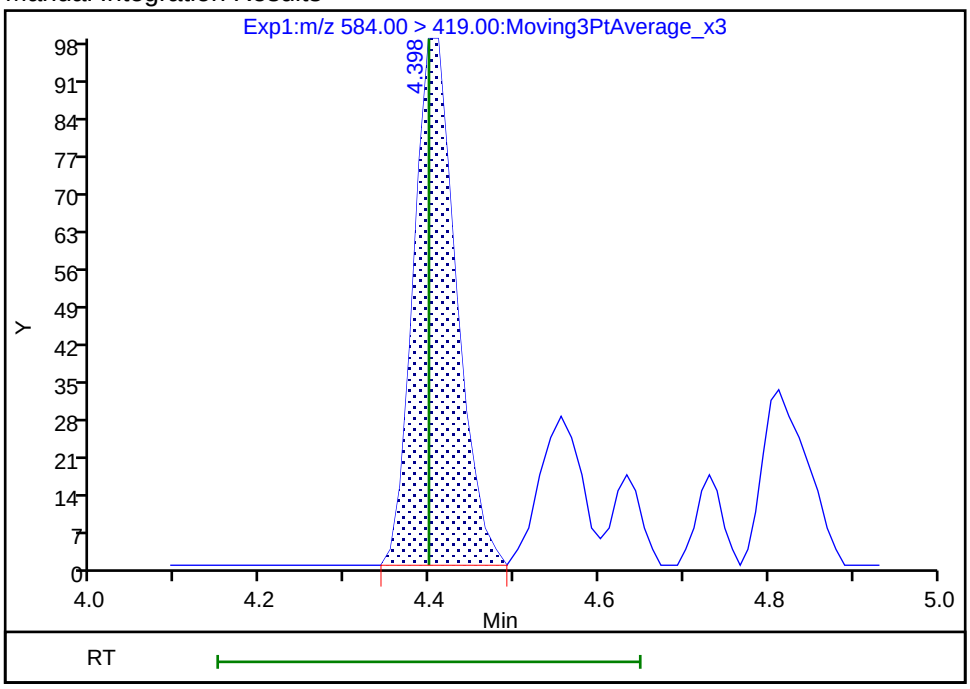
Processing Integration Results

RT: 4.41
Area: 483
Amount: 0.004891
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 347
Amount: 0.003514
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:31:33

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

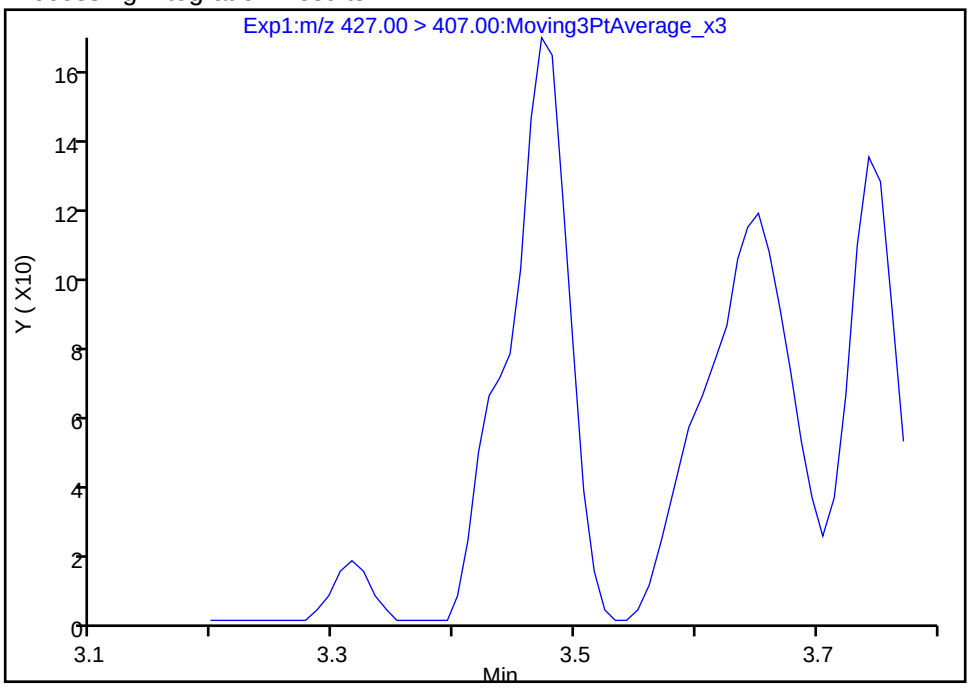
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d				
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

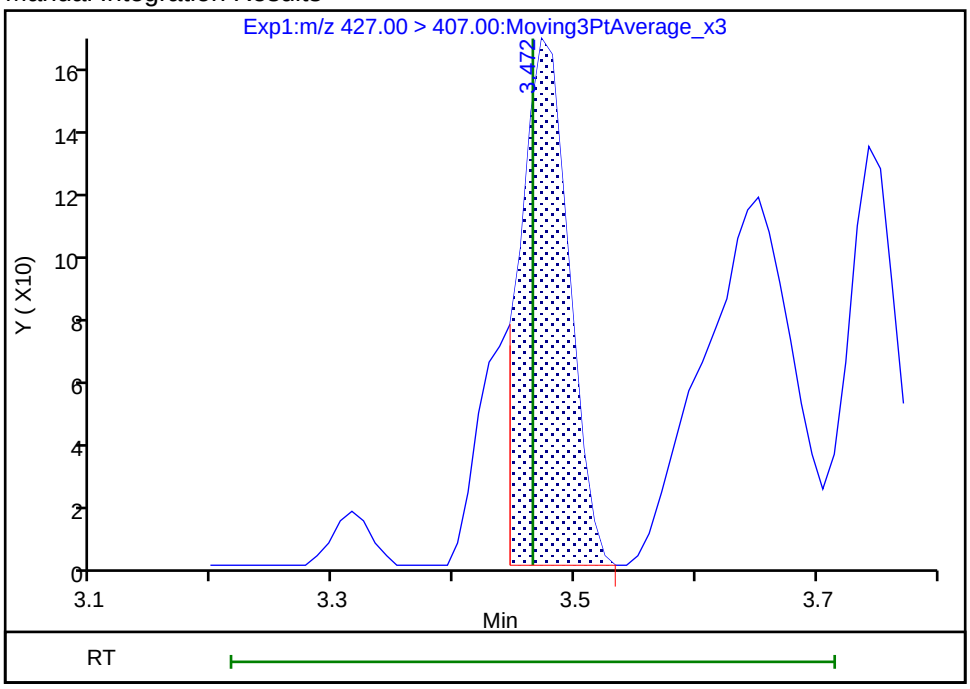
Not Detected
Expected RT: 3.47

Processing Integration Results



Manual Integration Results

RT: 3.47
Area: 449
Amount: -0.014594
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:28:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

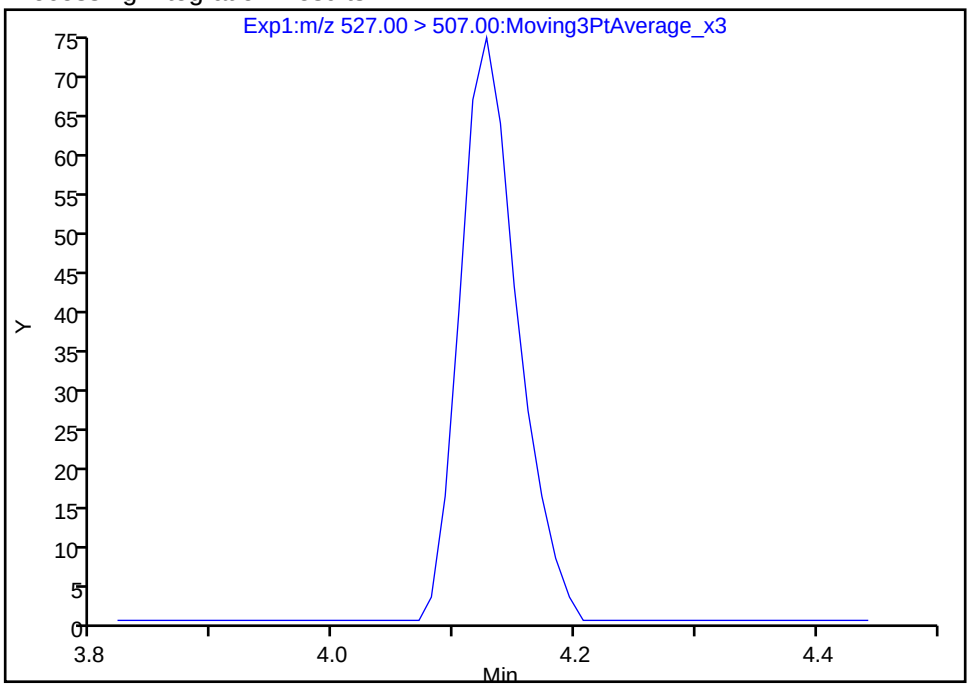
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d				
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

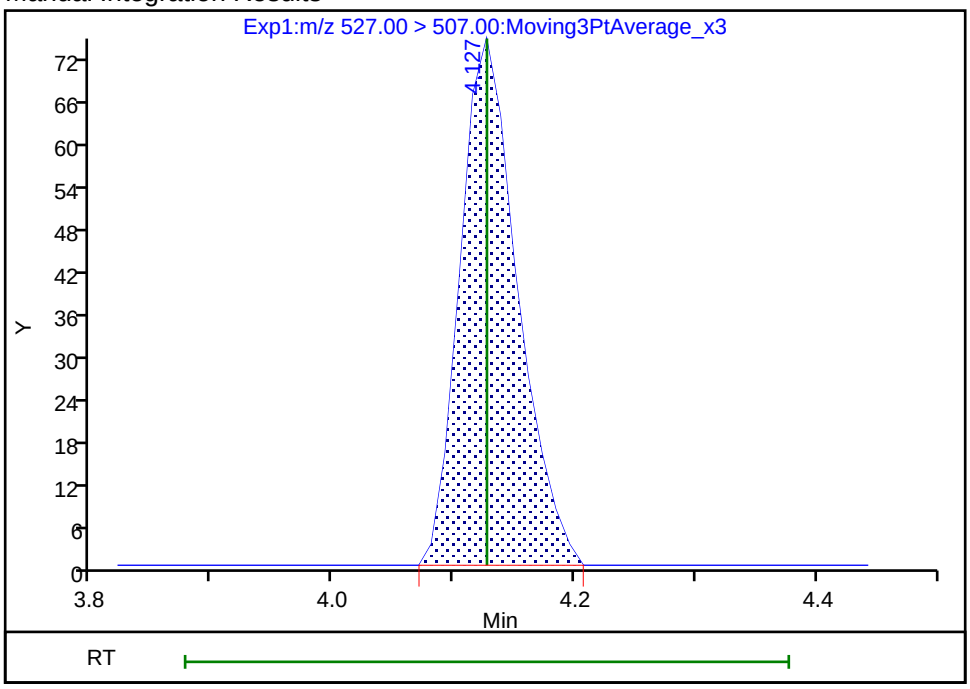
Not Detected
Expected RT: 4.13

Processing Integration Results



Manual Integration Results

RT: 4.13
Area: 248
Amount: 0.001558
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:30:58
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

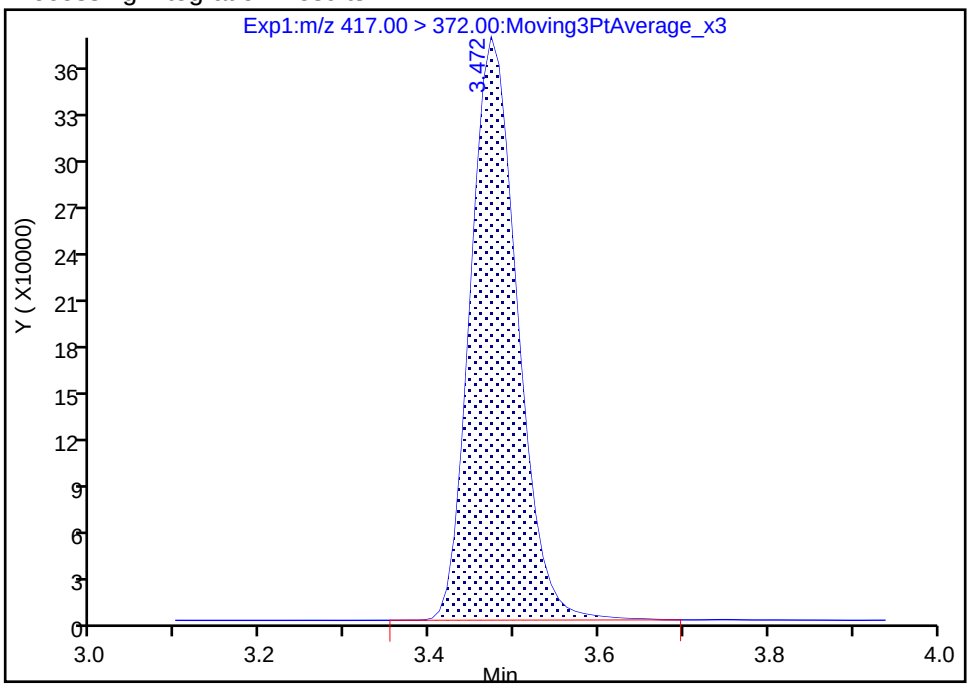
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d				
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

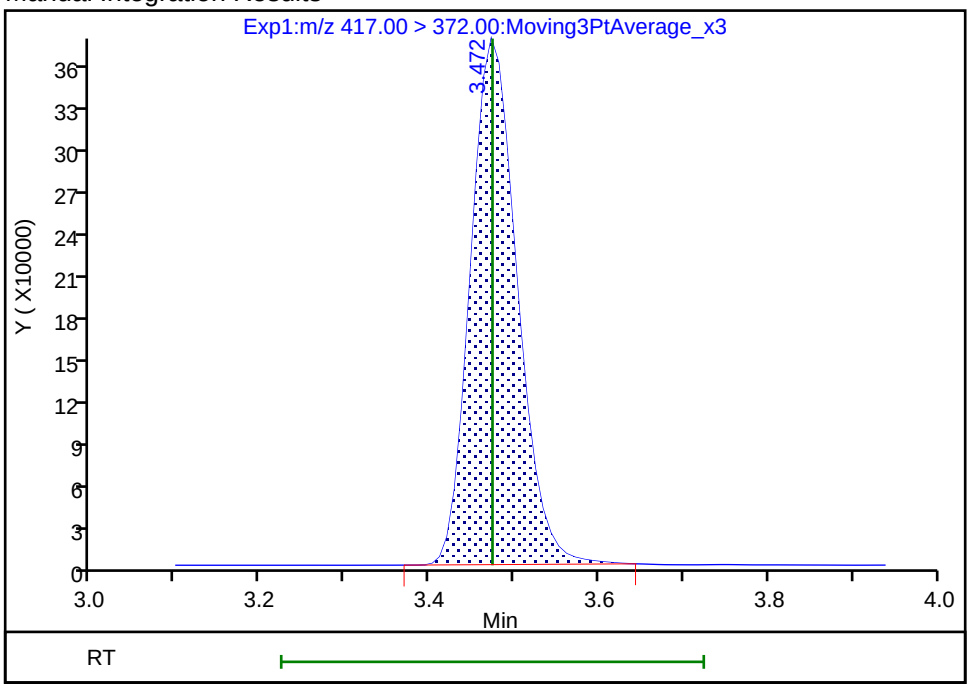
Processing Integration Results

RT: 3.47
Area: 1448661
Amount: 1.216631
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 1441529
Amount: 1.210642
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:48:07

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

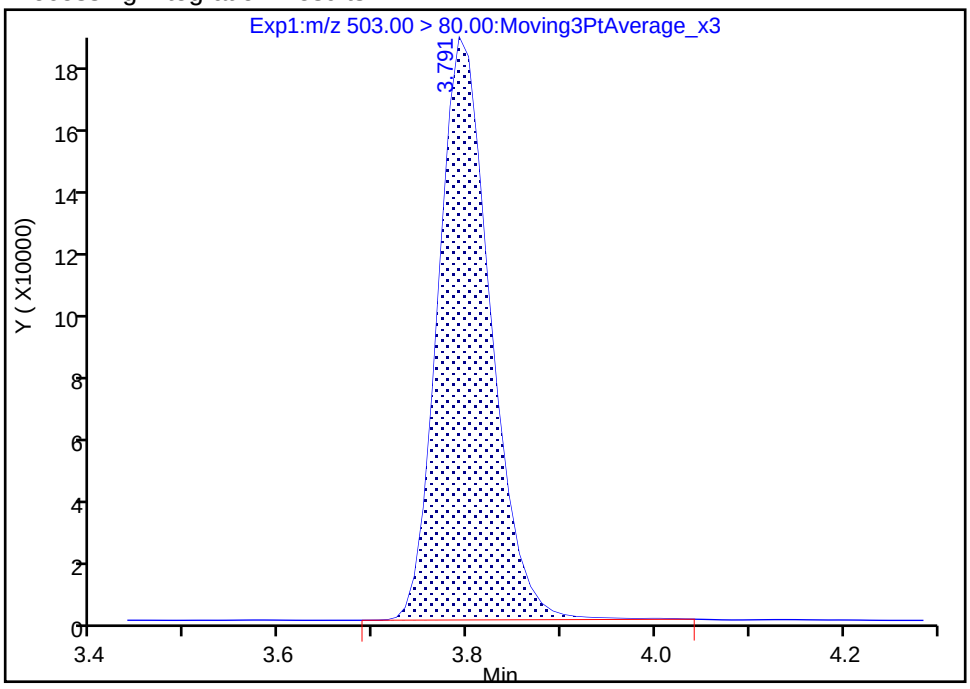
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d				
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 18 13C4 PFOS, CAS: STL00991

Signal: 1

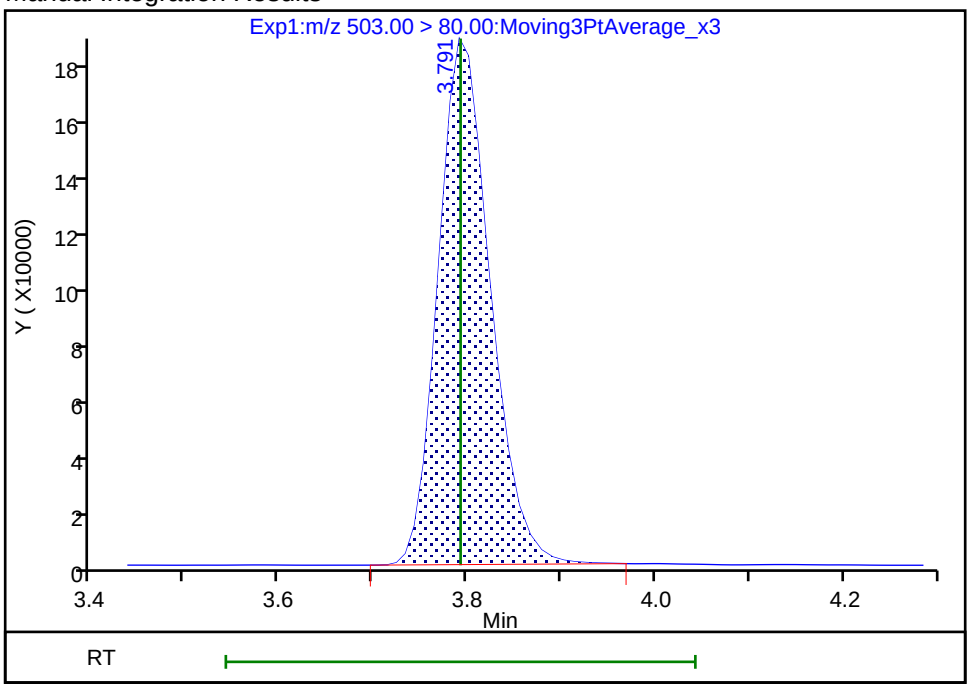
Processing Integration Results

RT: 3.79
Area: 708221
Amount: 1.038663
Amount Units: ng/ml



Manual Integration Results

RT: 3.79
Area: 705313
Amount: 1.034398
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:48:15

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

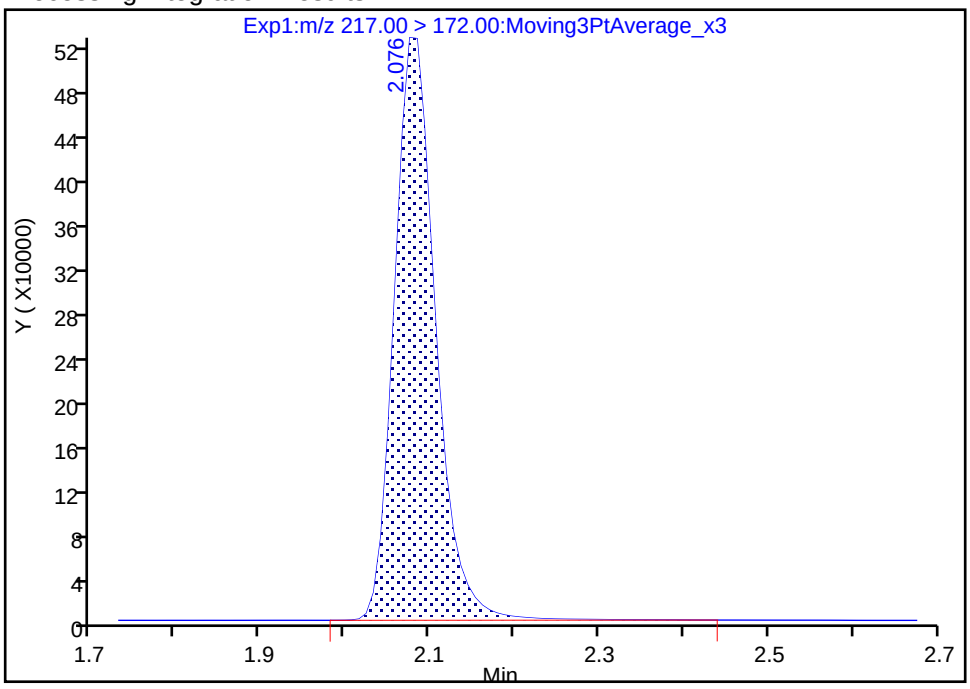
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d		
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10
Client ID:	BCS-09-25 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	19 Worklist Smp#: 19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL
Column:	C-18 (4.60 mm)	Detector	EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

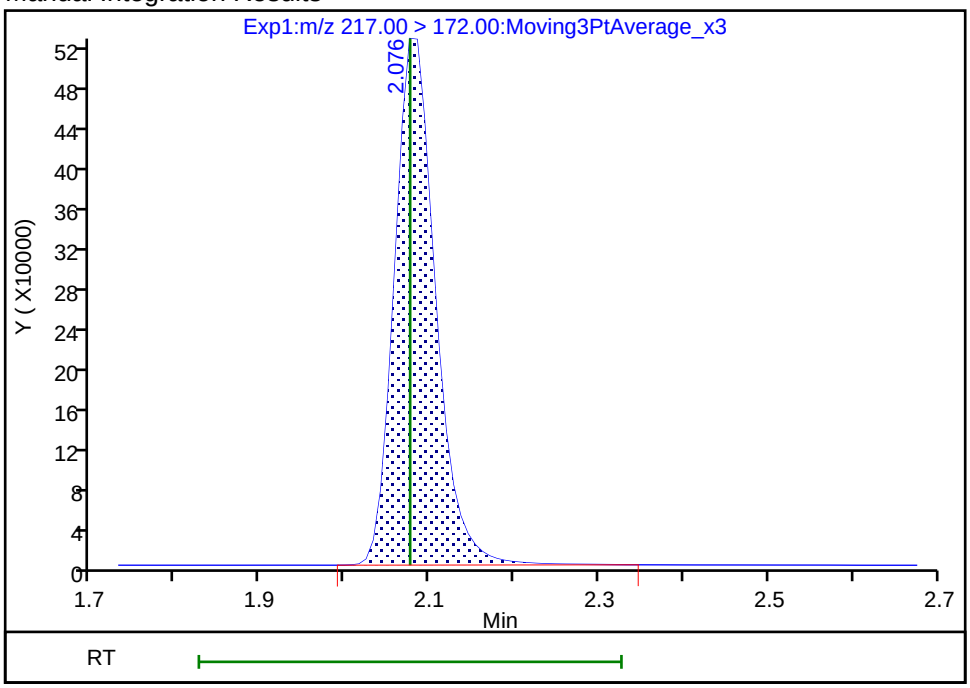
Processing Integration Results

RT: 2.08
Area: 1780693
Amount: 1.220597
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 1777900
Amount: 1.218683
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:47:47

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

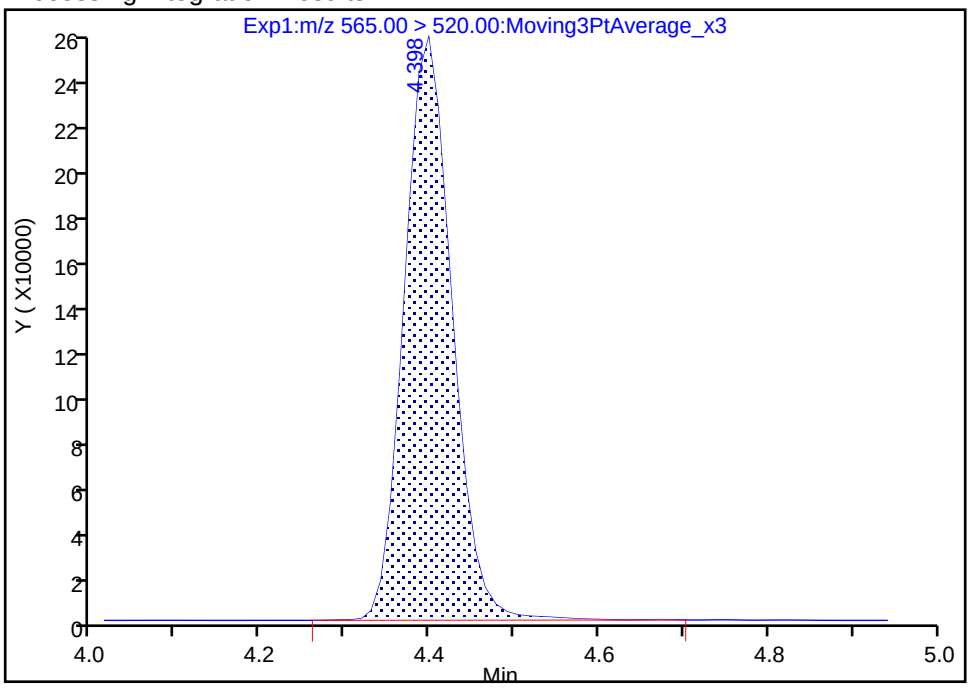
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d				
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

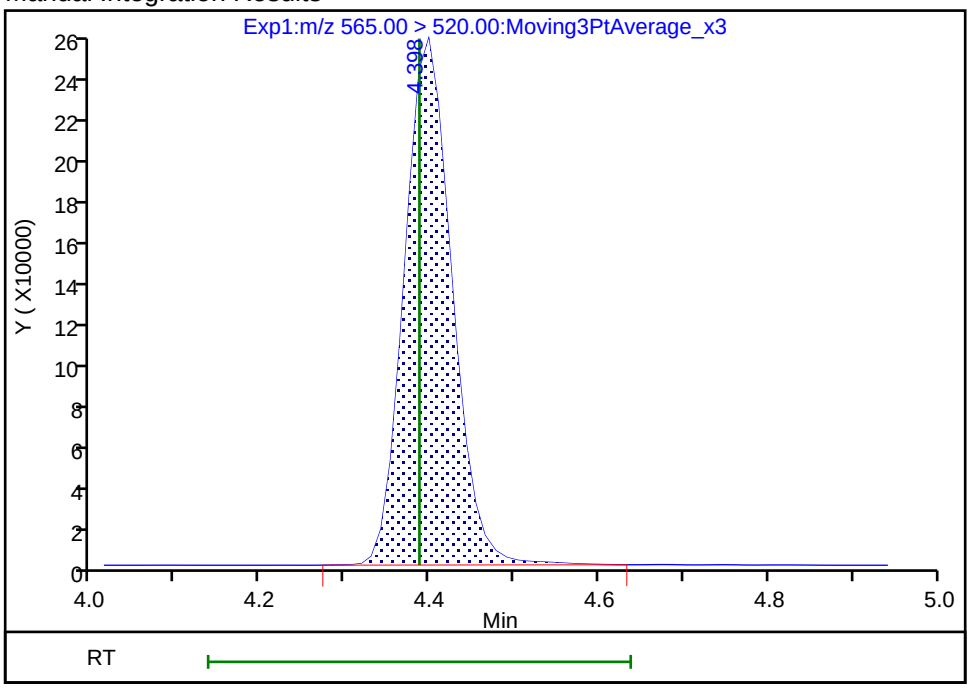
Processing Integration Results

RT: 4.40
Area: 1016053
Amount: 1.114641
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 1014561
Amount: 1.113004
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:25:59

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

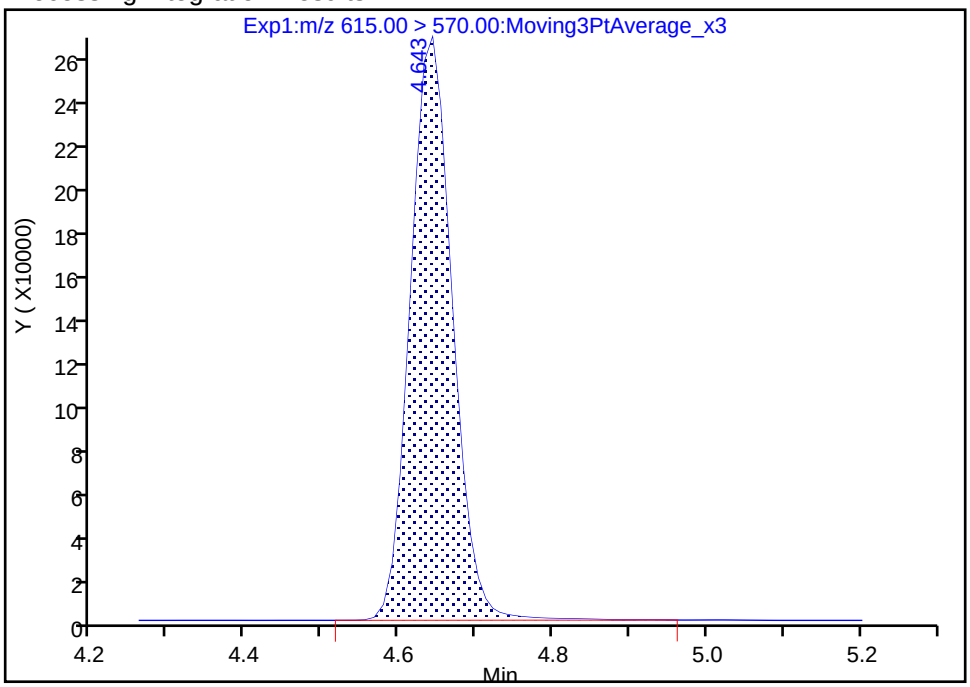
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d				
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 36 13C2 PFDoA, CAS: STL00998

Signal: 1

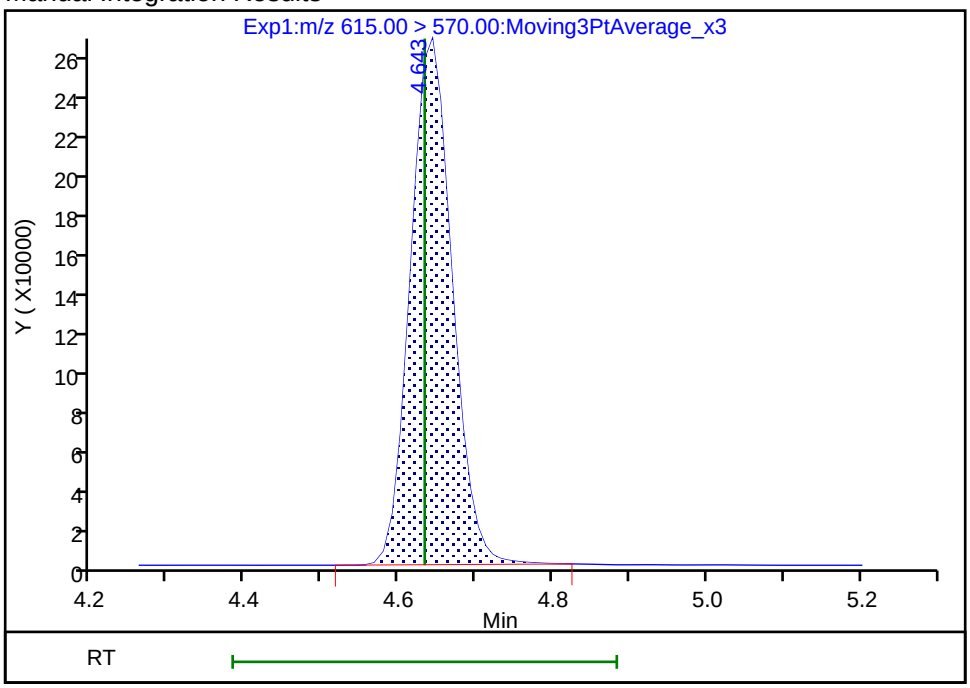
Processing Integration Results

RT: 4.64
Area: 1010191
Amount: 1.069452
Amount Units: ng/ml



Manual Integration Results

RT: 4.64
Area: 1003282
Amount: 1.062138
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:49:24

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

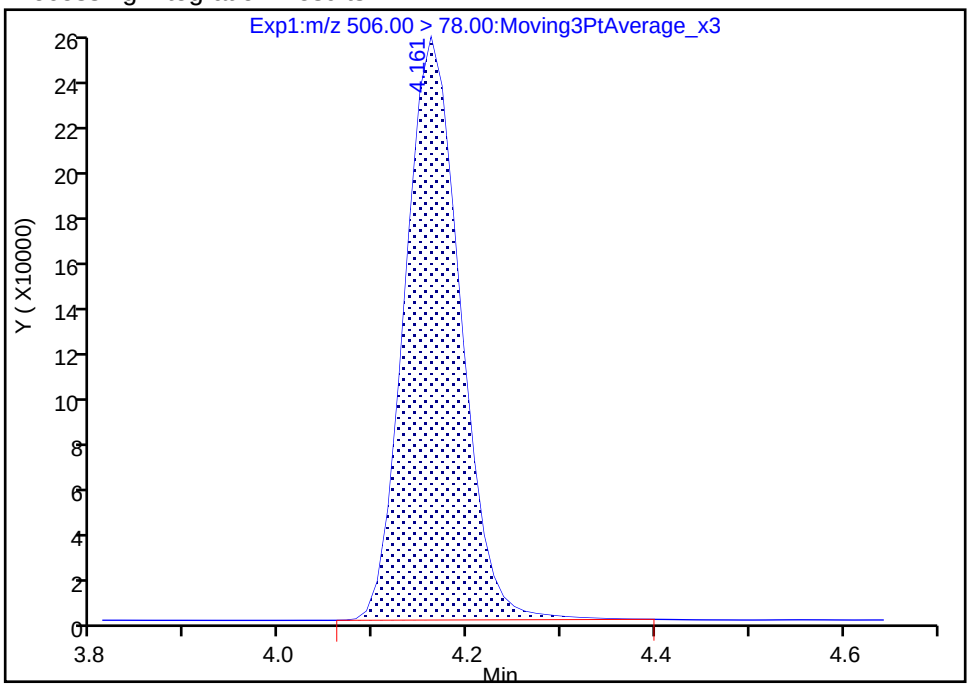
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d				
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

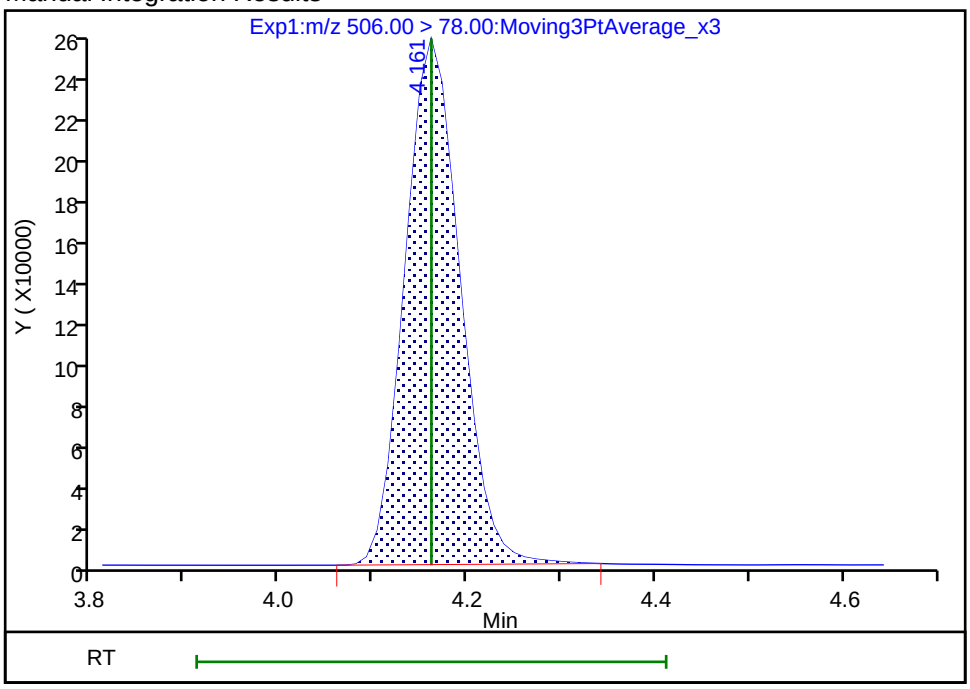
Processing Integration Results

RT: 4.16
Area: 1026948
Amount: 0.975286
Amount Units: ng/ml



Manual Integration Results

RT: 4.16
Area: 1022662
Amount: 0.971215
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:49:01

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

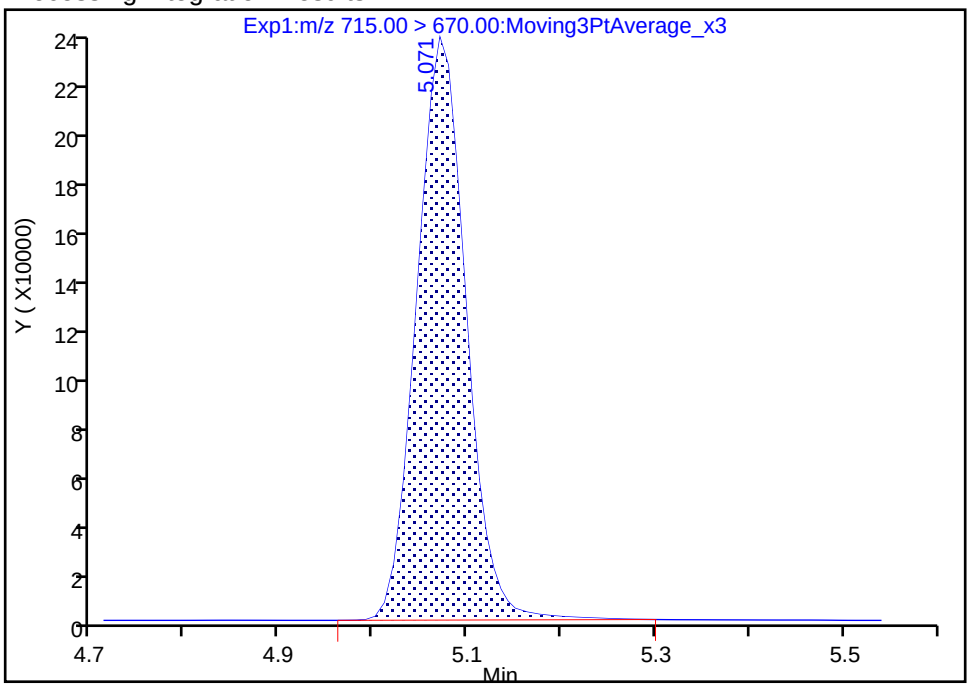
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d				
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

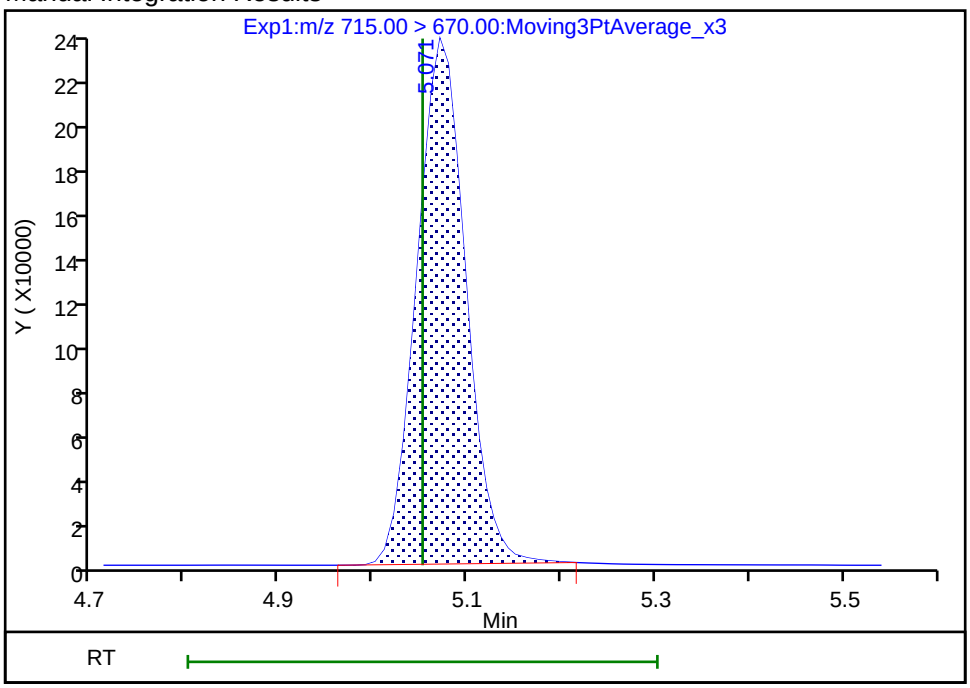
Processing Integration Results

RT: 5.07
Area: 853408
Amount: 1.105202
Amount Units: ng/ml



Manual Integration Results

RT: 5.07
Area: 844264
Amount: 1.093361
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:49:30

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

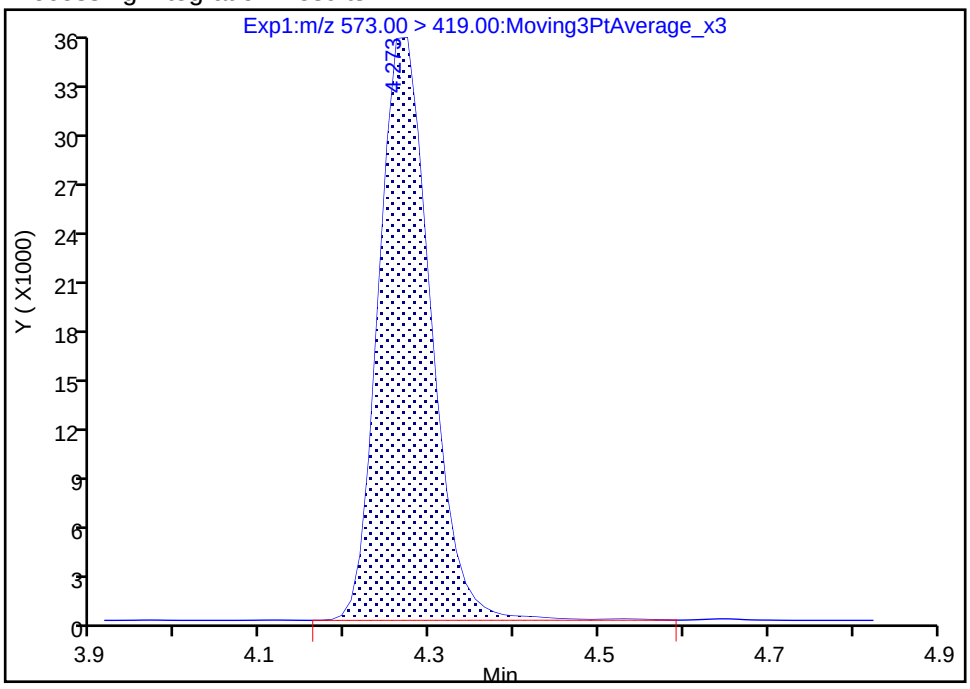
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d				
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

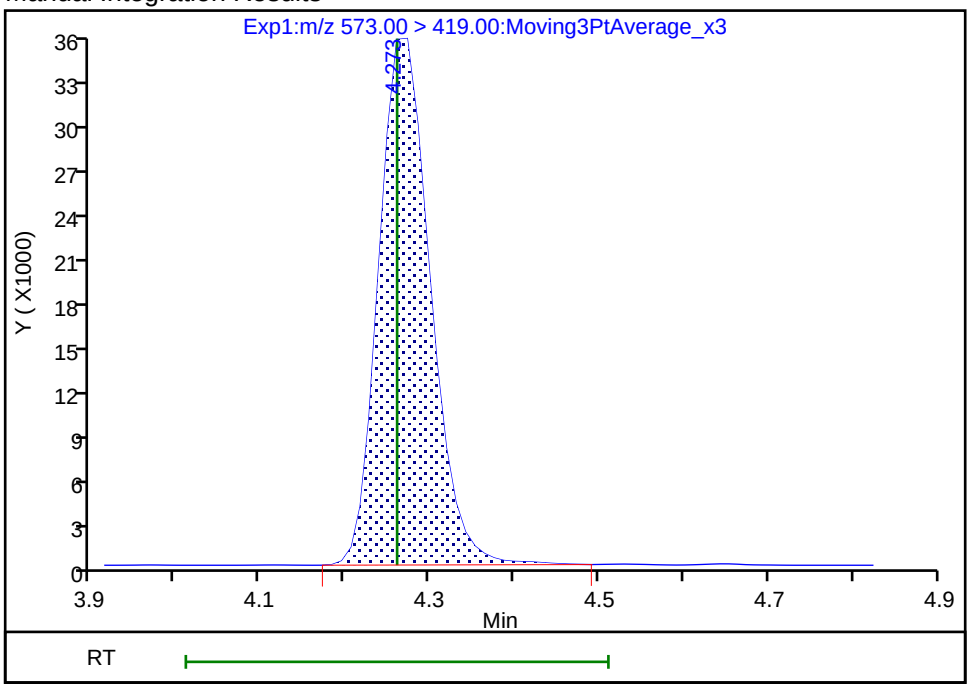
Processing Integration Results

RT: 4.27
Area: 151872
Amount: 0.941832
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 151267
Amount: 0.938080
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:25:53

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

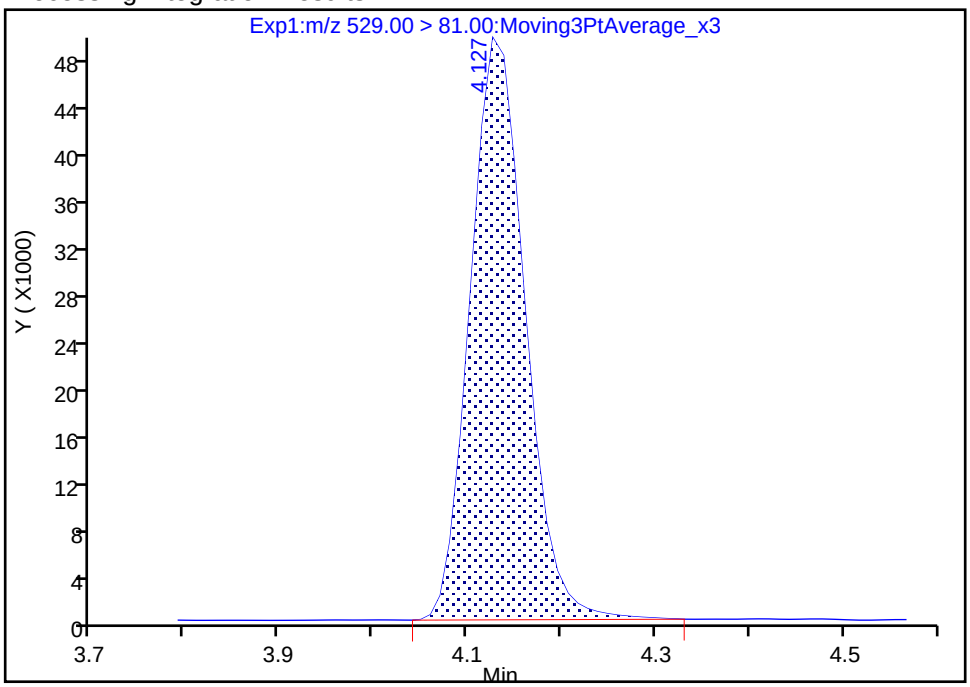
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d				
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

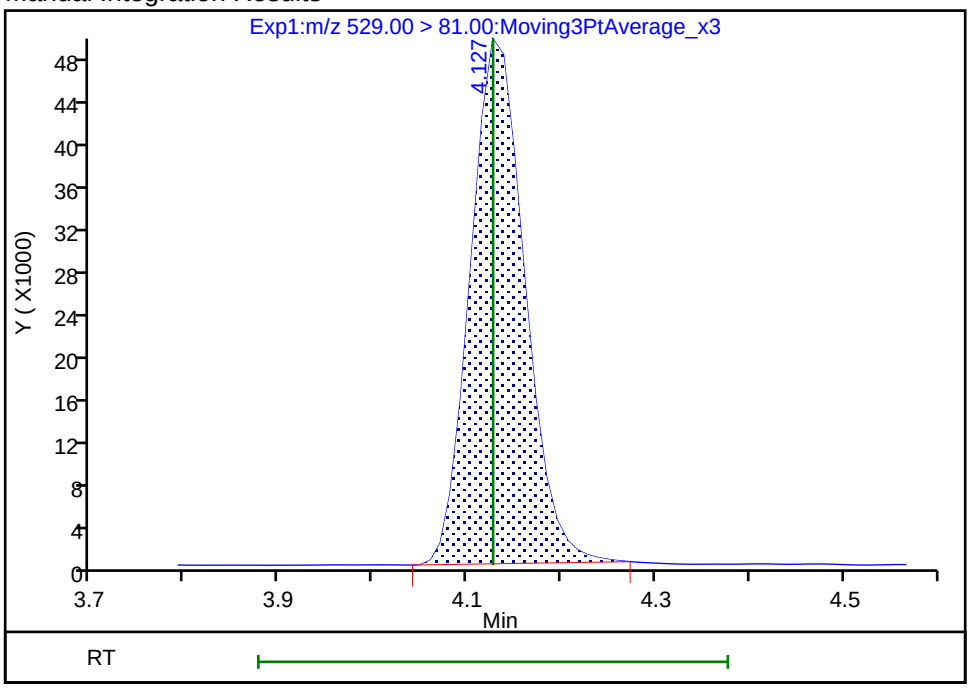
Processing Integration Results

RT: 4.13
Area: 199565
Amount: 1.085196
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 197448
Amount: 1.073685
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:48:56

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

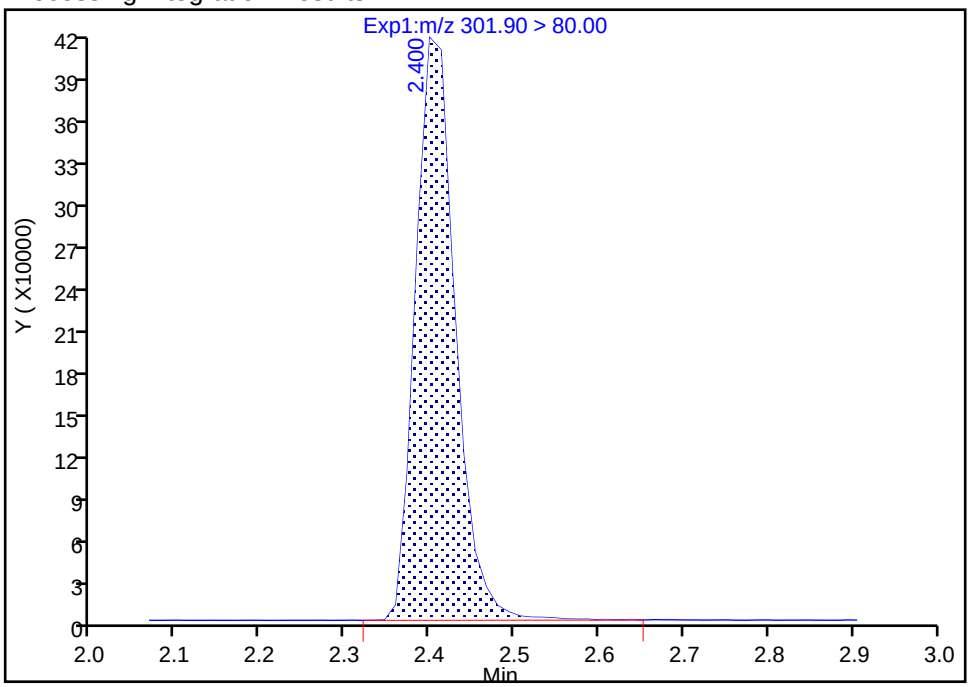
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B19.d				
Injection Date:	04-Aug-2022 16:28:31	Instrument ID:	LC812		
Lims ID:	460-262897-A-10-A	Lab Sample ID:	200-262897-10		
Client ID:	BCS-09-25 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

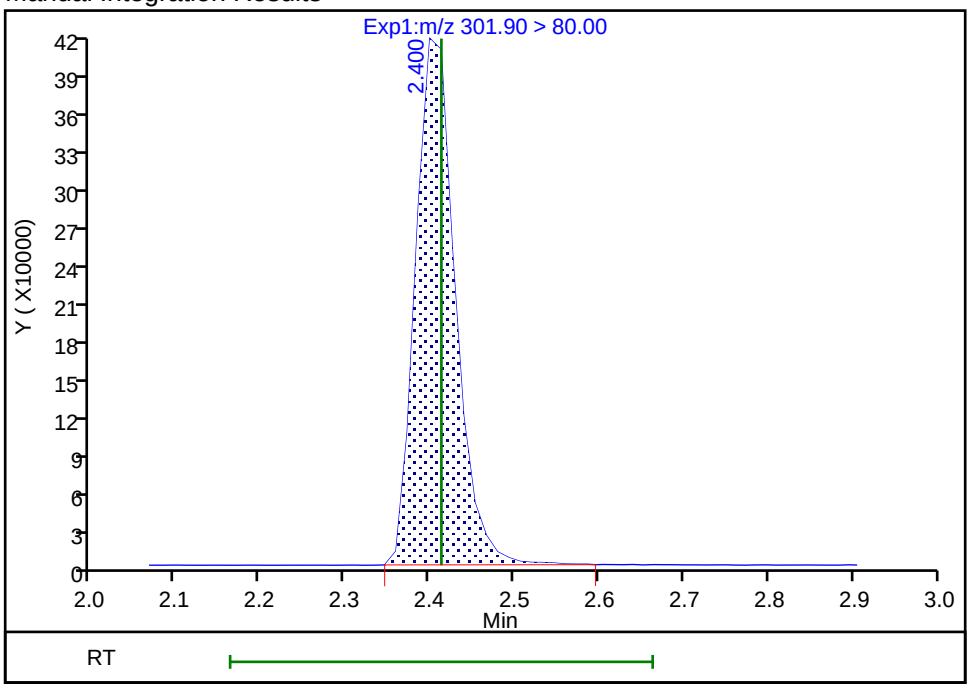
Processing Integration Results

RT: 2.40
Area: 1359283
Amount: 1.046904
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 1354811
Amount: 1.043460
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:25:42

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 460-262897-1

SDG No.:

Client Sample ID: BCS-09-26 (5-5.5)P | Lab Sample ID: 460-262897-11

Matrix: Solid | Lab File ID: PA220804B20.d

Analysis Method: 537 (modified) | Date Collected: 07/29/2022 12:50

Extraction Method: SHAKE | Date Extracted: 08/03/2022 11:39

Sample wt/vol: 5.33(g) | Date Analyzed: 08/04/2022 16:36

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

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

% Moisture: 11.5 % Solids: 88.5 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 182375 | Units: ug/Kg

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

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Client Sample ID: BCS-09-26 (5-5.5)P Lab Sample ID: 460-262897-11

Matrix: Solid Lab File ID: PA220804B20.d

Analysis Method: 537 (modified) Date Collected: 07/29/2022 12:50

Extraction Method: SHAKE Date Extracted: 08/03/2022 11:39

Sample wt/vol: 5.33(g) Date Analyzed: 08/04/2022 16:36

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

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

% Moisture: 11.5 % Solids: 88.5 GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 182375 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	82		50-150
STL01892	13C4 PFHpA	89		50-150
STL00990	13C4 PFOA	90		50-150
STL00991	13C4 PFOS	77		50-150
STL00995	13C5 PFNA	89		50-150
STL00992	13C4 PFBA	91		50-150
STL00993	13C2 PFHxA	94		50-150
STL00996	13C2 PFDA	87		50-150
STL00997	13C2 PFUnA	88		50-150
STL00998	13C2 PFDoA	85		50-150
STL01056	13C8 FOSA	75		50-150
STL01893	13C5 PFPeA	94		50-150
STL02116	13C2 PFTeDA	87		50-150
STL02118	d3-NMeFOSAA	73		50-150
STL02117	d5-NEtFOSAA	70		50-150
STL02279	M2-6:2 FTS	73		50-150
STL02280	M2-8:2 FTS	76		50-150
STL02337	13C3 PFBS	82		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B20.d
Lims ID: 460-262897-A-11-A
Client ID: BCS-09-26 (5-5.5)P
Sample Type: Client
Inject. Date: 04-Aug-2022 16:36:42 ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: 460-262897-A-11-A
Misc. Info.: 200-0051959-020 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 05-Aug-2022 12:54:43 Calib Date: 03-Aug-2022 13:41:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1640

First Level Reviewer: nampitakw Date: 05-Aug-2022 12:38:18
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	0.599	1717100	1.14		91.0	7559	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.085	0.0	1.004	13414	0.0101			1.4	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.386	2.400	-0.014	0.689	1358934	1.17		93.7	2427	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.373	2.400	-0.027	0.994	7064	0.006303			0.2	M
D 47 13C3 PFBS										
301.90 > 80.00	2.400	2.413	-0.013	0.693	1274734	0.9491		81.6	202668	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.413	2.413	0.0	1.006	2118	0.001750	Target=2.23		2.3	M
298.90 > 99.00	2.413	2.413	0.0	1.006	1219		1.74(1.11-3.34)		0.3	
6 Perfluorohexanoic acid										RM
313.00 > 269.00	2.749	2.750	-0.001	1.004	3290	0.002904	Target=12.24		0.7	RM
313.00 > 119.00	2.749	2.750	-0.001	1.004	965		3.41(6.12-18.36)		1.5	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.737	2.750	-0.013	0.790	1357064	1.17		93.7	3194	
D 11 18O2 PFHxS										
403.00 > 84.00	3.110	3.110	0.0	0.897	912144	0.9657		81.7	2754	
8 Perfluorohexanesulfonic acid										RM
399.00 > 80.00	3.098	3.110	-0.012	0.996	4158	0.004887	Target=3.43		12.1	RM
399.00 > 99.00	3.121	3.110	0.011	1.004	3375		1.23(1.72-5.15)		1.9	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.110	3.121	-0.011	0.897	1332196	1.11		88.7	2398	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.456	3.465	-0.009	0.997	136655	0.8644		72.8	331	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.456	3.465	-0.009	1.000	638	-0.0130			5.5	M
15 Perfluorooctanoic acid										RM
413.00 > 369.00	3.465	3.474	-0.009	1.000	9059	0.007256	Target=2.67		0.8	RM
413.00 > 169.00	3.465	3.474	-0.009	1.000	2236		4.05(1.34-4.01)		4.9	M
D 14 13C4 PFOA										
417.00 > 372.00	3.465	3.474	-0.009	1.000	1391568	1.13		90.4	2078	
* 62 13C2 PFOA										
415.00 > 370.00	3.465	3.474	-0.009		1616319	1.25			5325	
17 Perfluorooctanesulfonic acid										RM
499.00 > 80.00	3.792	3.792	0.0	1.000	9684	-0.000610	Target=4.88		5.7	RM
499.00 > 99.00	3.627	3.792	-0.165	0.956	16670		0.58(2.44-7.32)		34.0	M
D 18 13C4 PFOS										
503.00 > 80.00	3.792	3.792	0.0	1.094	651130	0.9232		77.3	2010	
20 Perfluorononanoic acid										RM
463.00 > 419.00	3.802	3.812	-0.010	0.997	2972	0.002575	Target=8.23		0.8	RM
463.00 > 169.00	3.802	3.812	-0.010	0.997	207		14.36(4.11-12.34)		2.2	M
D 19 13C5 PFNA										
468.00 > 423.00	3.812	3.812	0.0	1.100	1418136	1.11		88.7	3807	
24 Perfluorodecanoic acid										RM
513.00 > 469.00	4.115	4.116	-0.001	1.000	2073	0.001830	Target=9.67		1.3	RM
513.00 > 169.00	4.115	4.116	-0.001	1.000	442		4.69(4.83-14.50)		2.4	M
D 23 13C2 PFDA										M
515.00 > 470.00	4.115	4.116	-0.001	1.188	1346373	1.08		86.6	2781	M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.115	4.127	-0.012	0.997	176	0.001262			4.0	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.127	4.127	0.0	1.191	172911	0.9090		75.9	735	
D 21 13C8 FOSA										
506.00 > 78.00	4.161	4.161	0.0	1.201	1021622	0.9380		75.0	2764	
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.195	4.161	0.034	1.008	365	0.000438			1.3	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.261	4.261	0.0	1.230	151666	0.9093		72.7	1272	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.364	4.365	-0.001	1.151	395	0.001244	Target=2.80		6.1	M
599.00 > 99.00	4.376	4.365	0.011	1.154	119		3.32(1.40-4.20)		0.6	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.387	4.387	0.0	1.266	1038453	1.10		88.1	2750	
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.376	4.387	-0.011	0.997	1413	0.001605	Target=9.07		1.4	M
563.00 > 169.00	4.398	4.387	0.011	1.003	183		7.72(4.54-13.61)		3.2	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.398	4.399	-0.001	1.000	176	0.001762			3.0	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.398	4.399	-0.001	1.269	137537	0.8712		69.7	567	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 36 13C2 PFDoA										M
615.00 > 570.00	4.633	4.633	0.0	1.337	1041339	1.07		85.3	3253	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.643	4.633	0.010	1.002	1554	0.001839	Target=6.97		0.3	M
613.00 > 169.00	4.654	4.633	0.021	1.004	208		7.47(3.48-10.45)		2.6	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.848	4.859	-0.011	1.046	999	0.001364	Target=4.56		0.3	M
663.00 > 169.00	4.848	4.859	-0.011	1.046	148		6.75(2.28-6.84)		2.0	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.070	5.052	0.018	1.463	870810	1.09		87.2	2196	M
42 Perfluorotetradecanoic acid										RM
713.00 > 169.00	5.062	5.052	0.010	0.998	77	0.000690	Target=0.94		2.2	RM
713.00 > 219.00	5.070	5.052	0.018	1.000	313		0.25(0.47-1.41)		6.6	M

QC Flag Legend

Processing Flags
R - Failed Signal Ratio Test
Review Flags
M - Manually Integrated

Report Date: 05-Aug-2022 12:55:10 Chrom Revision: 2.3 04-Aug-2022 18:02:28

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B20.d

Injection Date: 04-Aug-2022 16:36:42 Instrument ID: LC812

Lims ID: 460-262897-A-11-A Lab Sample ID: 200-262897-11

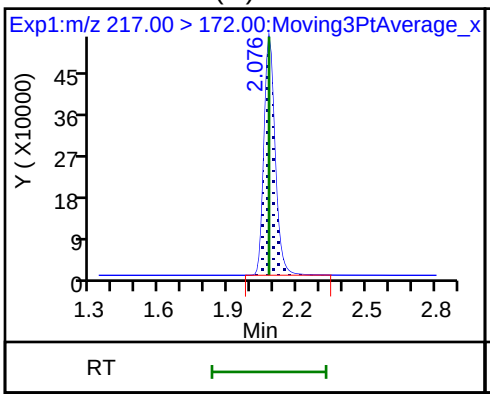
Client ID: BCS-09-26 (5-5.5)P

Operator ID: lc812tech ALS Bottle#: 20 Worklist Smp#: 20

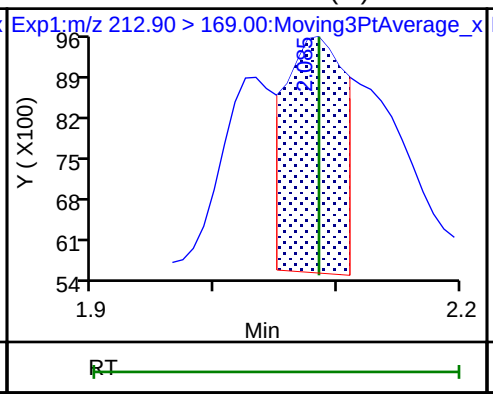
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

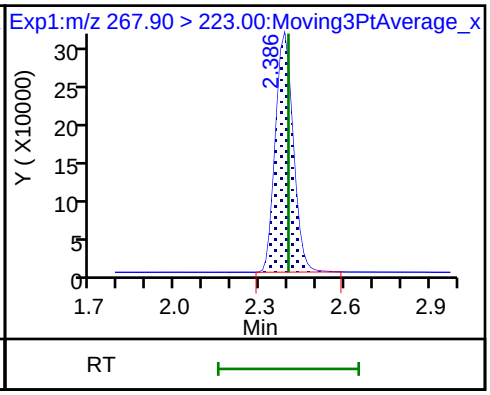
D 1 13C4 PFBA (M)



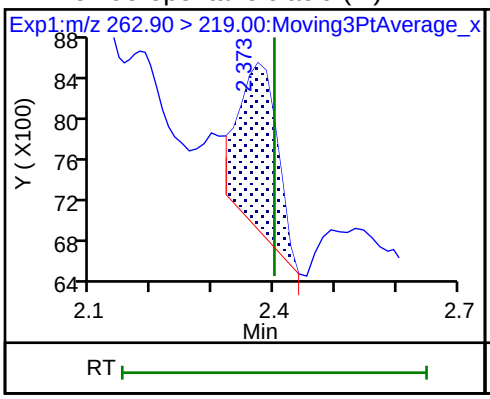
2 Perfluorobutanoic acid (M)



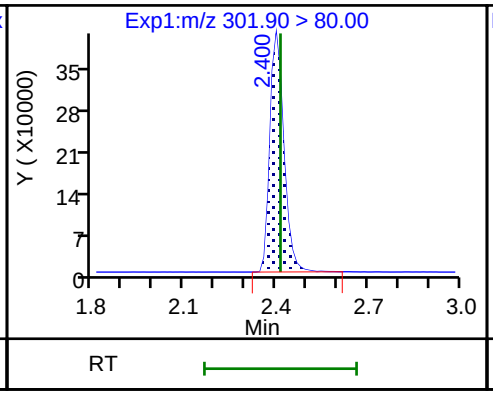
D 3 13C5 PFPeA



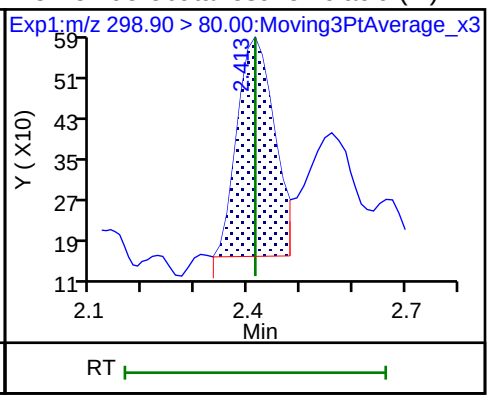
4 Perfluoropentanoic acid (M)



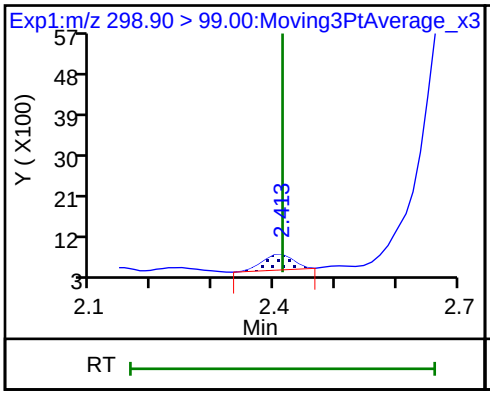
D 47 13C3 PFBS



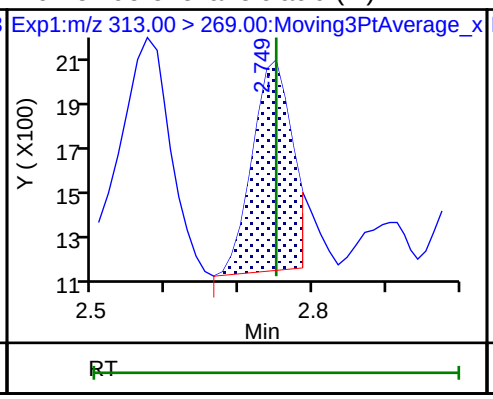
5 Perfluorobutanesulfonic acid (M)



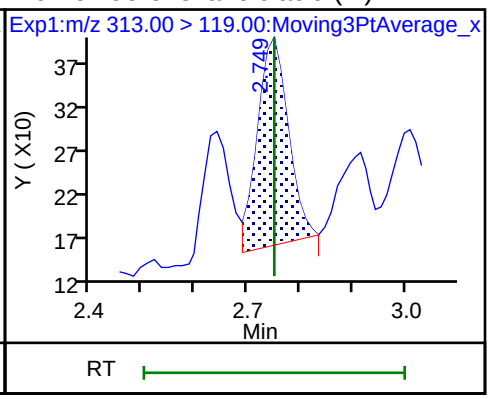
5 Perfluorobutanesulfonic acid



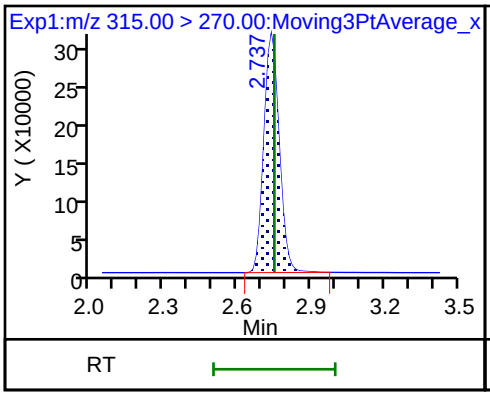
6 Perfluorohexanoic acid (M)



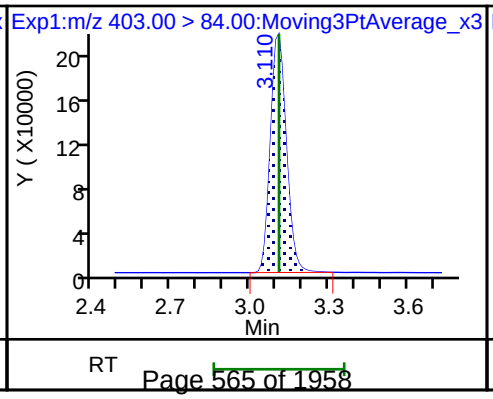
6 Perfluorohexanoic acid (M)



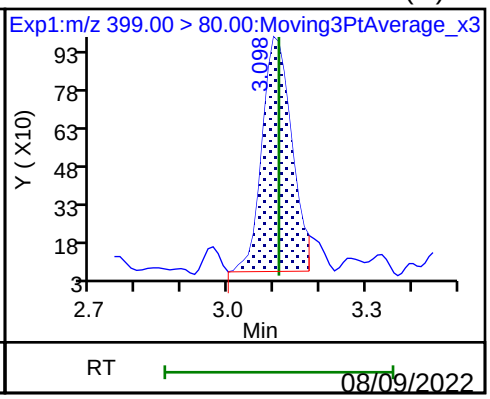
D 7 13C2 PFHxA



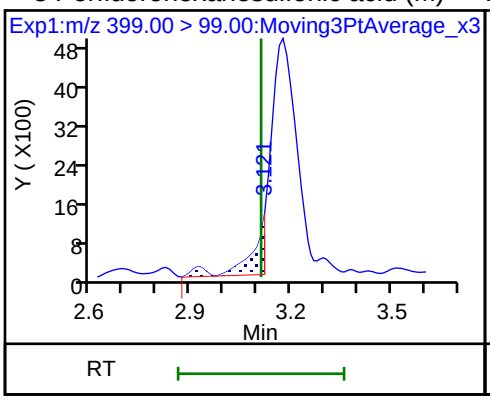
D 11 18O2 PFHxS



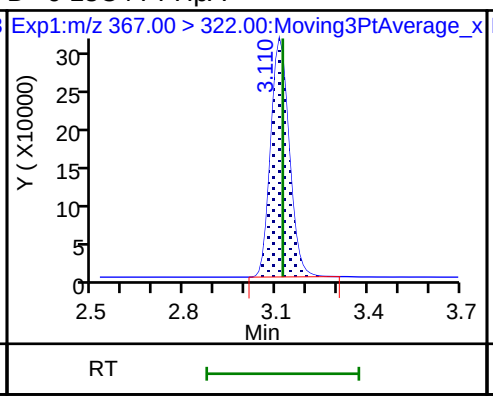
8 Perfluorohexanesulfonic acid (M)



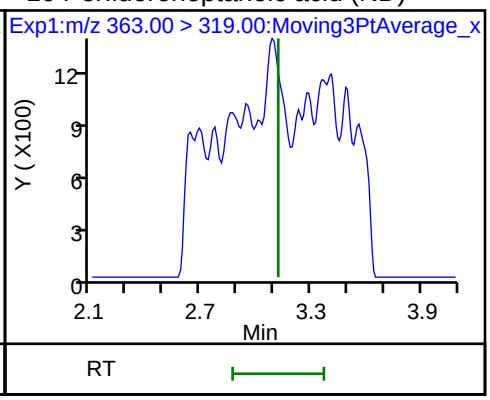
8 Perfluorohexanesulfonic acid (M)



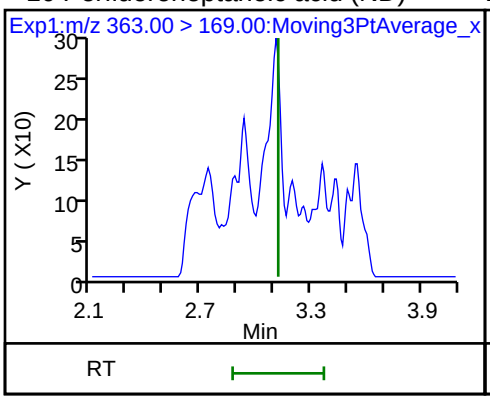
D 9 13C4 PFHpA



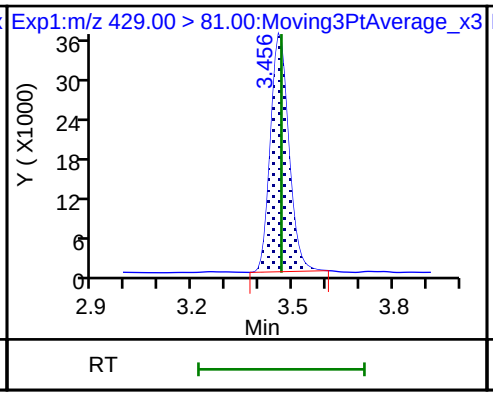
10 Perfluoroheptanoic acid (ND)



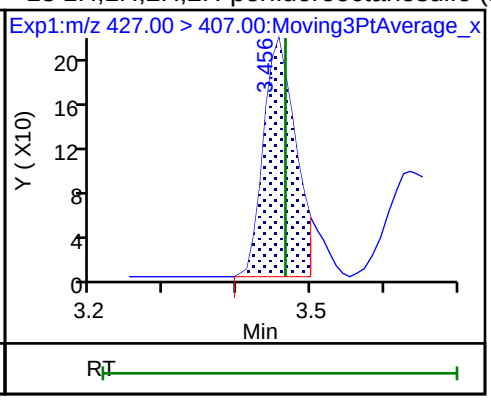
10 Perfluoroheptanoic acid (ND)



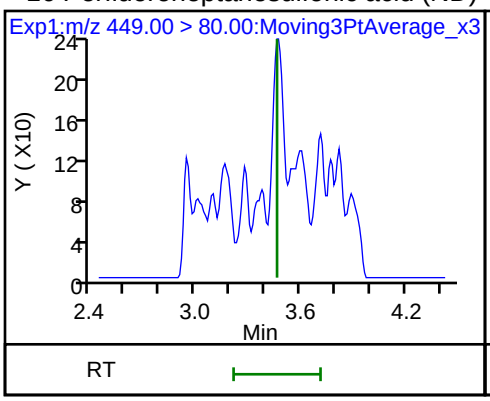
D 12 M2-6:2 FTS



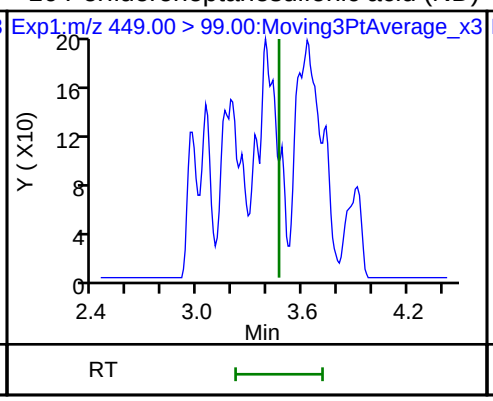
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



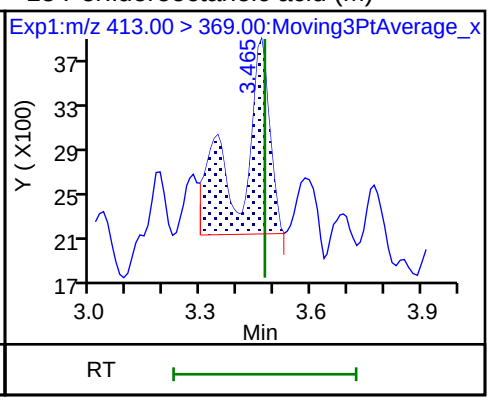
16 Perfluoroheptanesulfonic acid (ND)



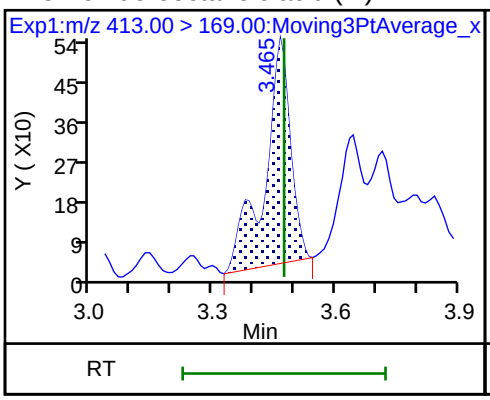
16 Perfluoroheptanesulfonic acid (ND)



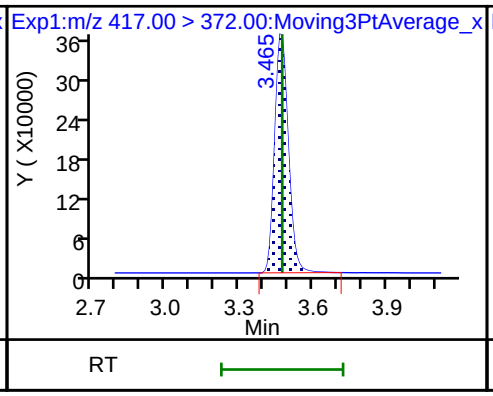
15 Perfluorooctanoic acid (M)



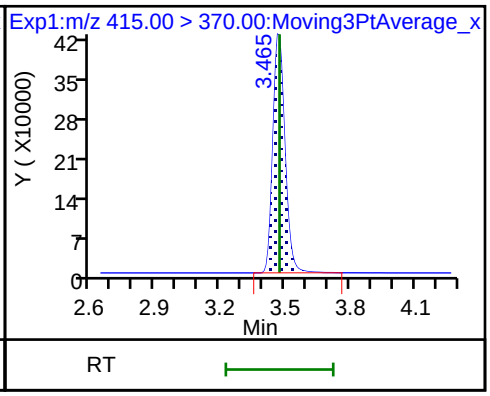
15 Perfluorooctanoic acid (M)



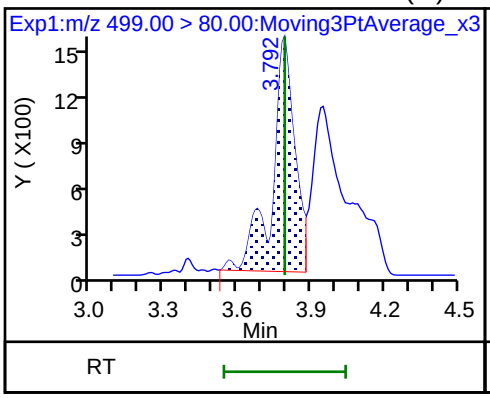
D 14 13C4 PFOA



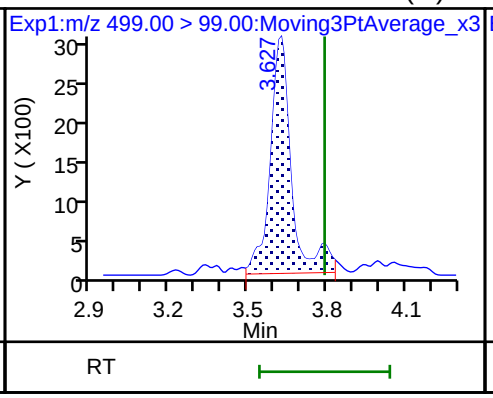
* 62 13C2 PFOA



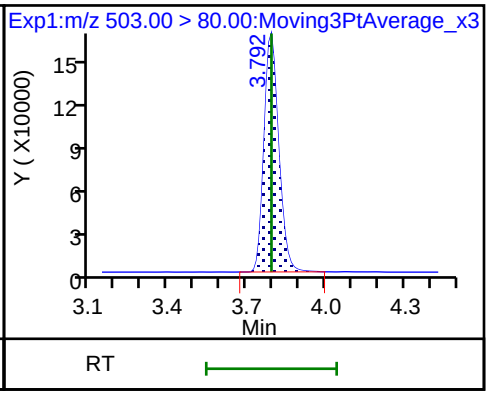
17 Perfluorooctanesulfonic acid (M)



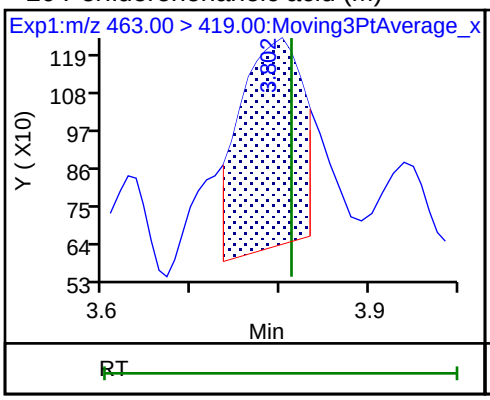
17 Perfluorooctanesulfonic acid (M)



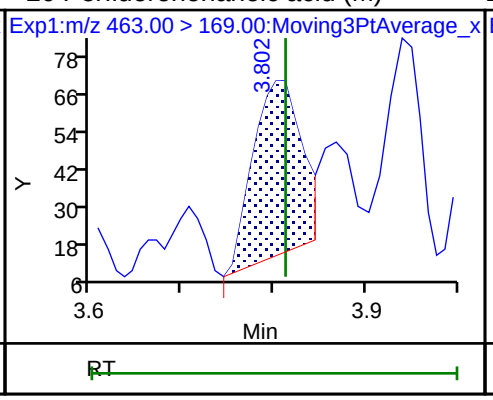
D 18 13C4 PFOS



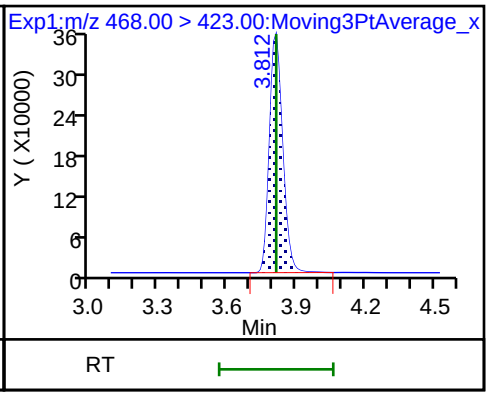
20 Perfluorononanoic acid (M)



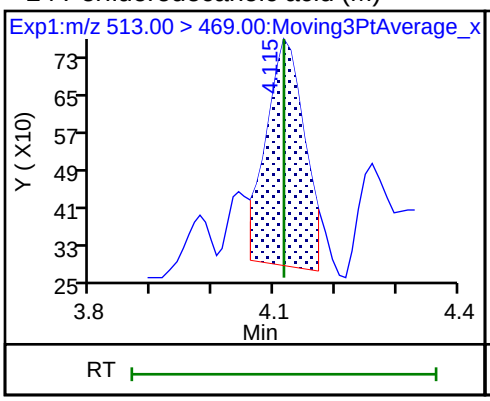
20 Perfluorononanoic acid (M)



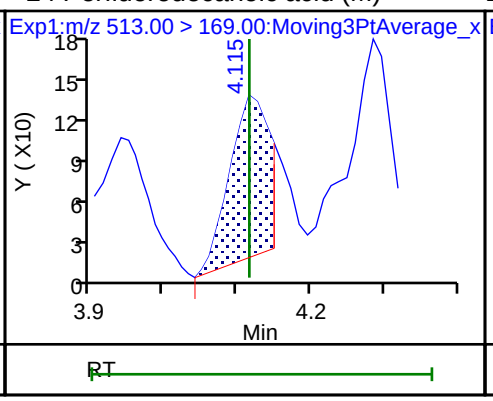
D 19 13C5 PFNA



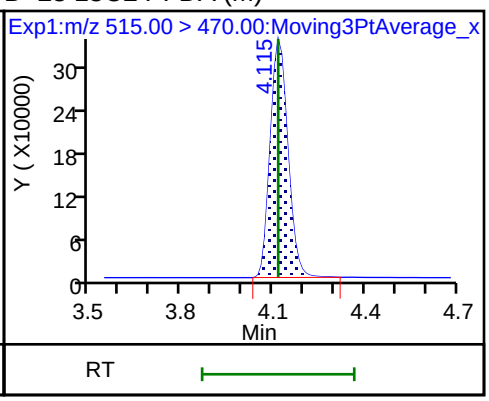
24 Perfluorodecanoic acid (M)



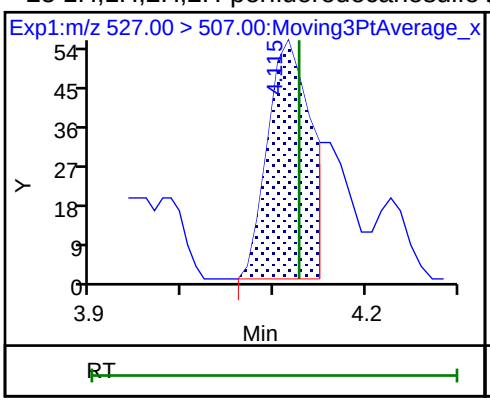
24 Perfluorodecanoic acid (M)



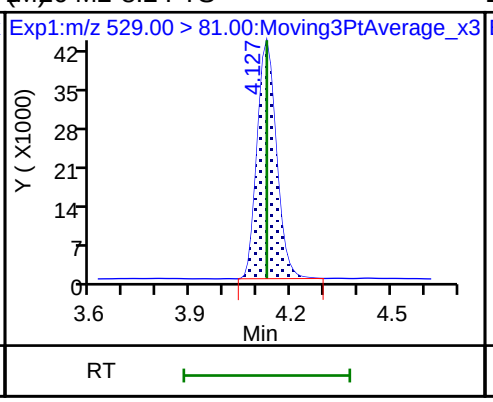
D 23 13C2 PFDA (M)



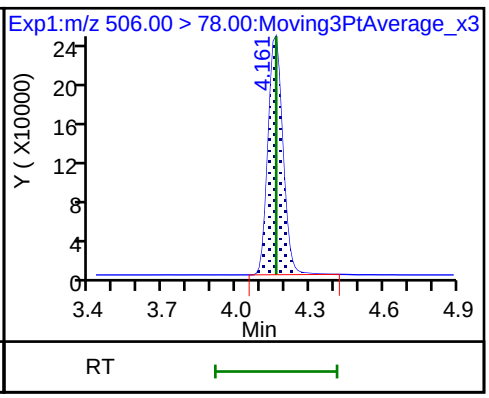
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



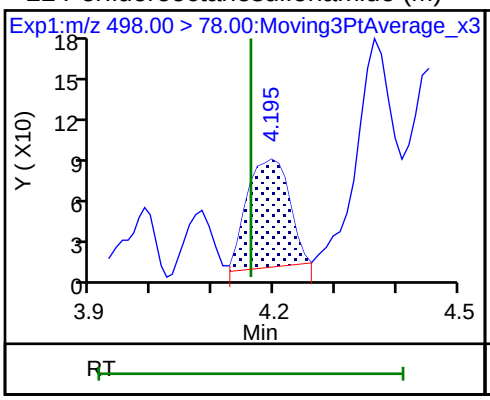
D 26 M2-8:2 FTS



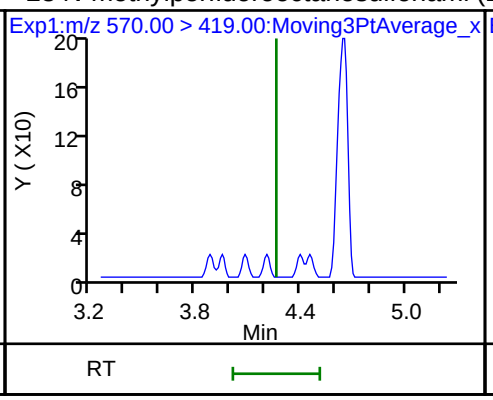
D 21 13C8 FOSA



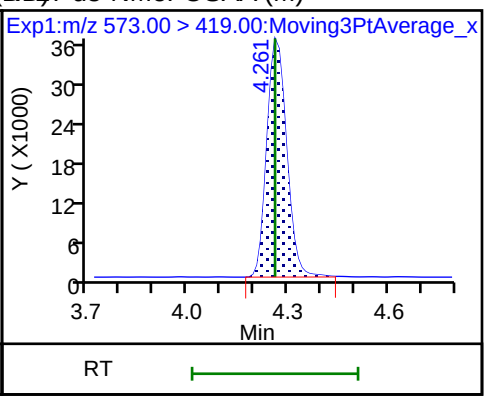
22 Perfluorooctanesulfonamide (M)



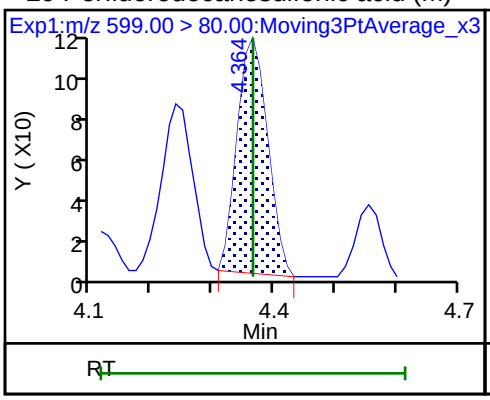
28 N-methylperfluorooctanesulfonami (M)



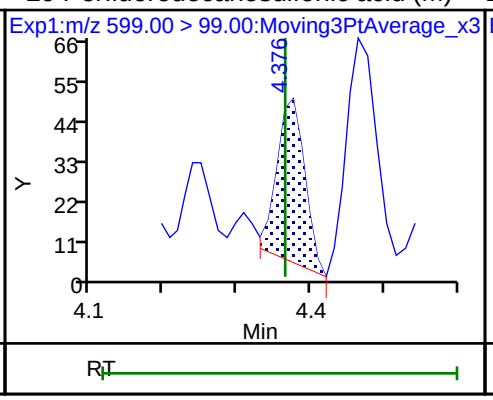
D 27 d3-NMeFOSAA (M)



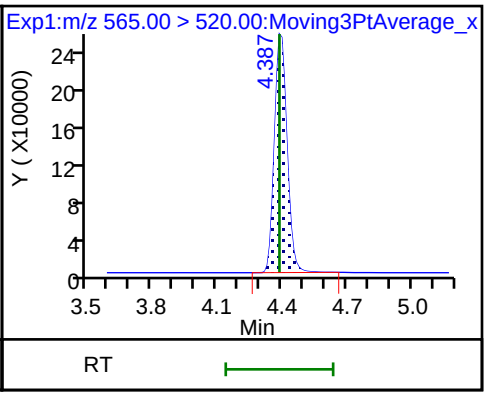
29 Perfluorodecanesulfonic acid (M)



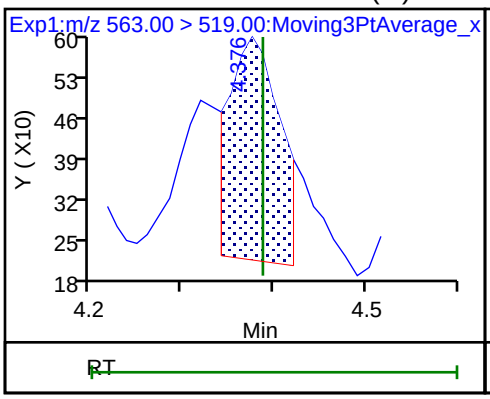
29 Perfluorodecanesulfonic acid (M)



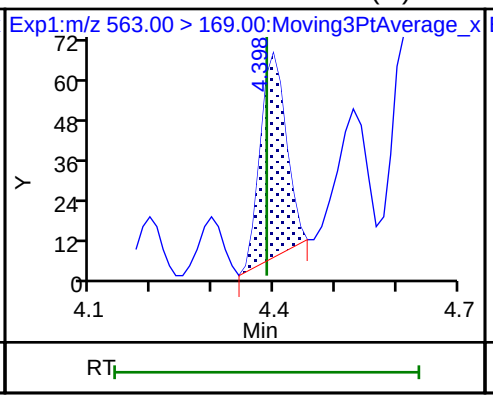
D 30 13C2 PFUnA



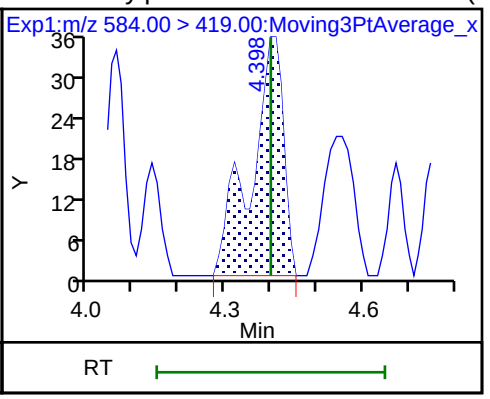
31 Perfluoroundecanoic acid (M)



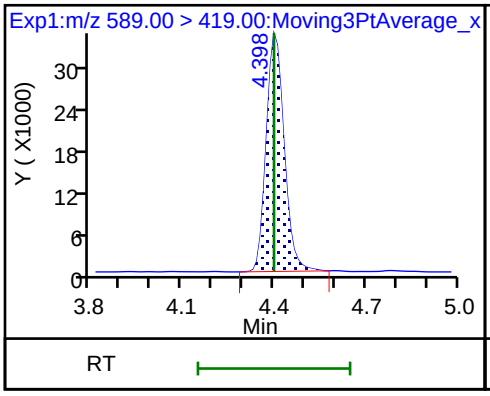
31 Perfluoroundecanoic acid (M)



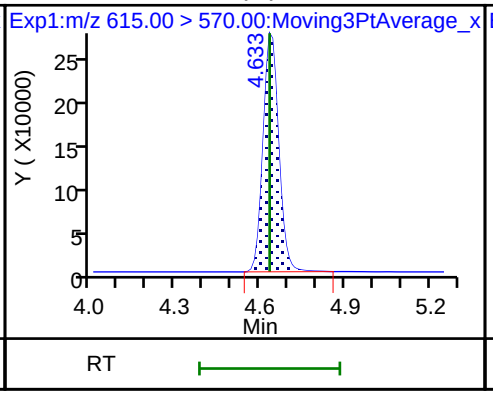
33 N-ethylperfluorooctanesulfonamid (M)



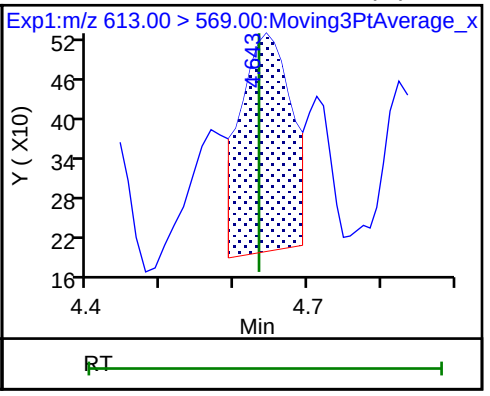
D 32 d5-NEtFOSAA



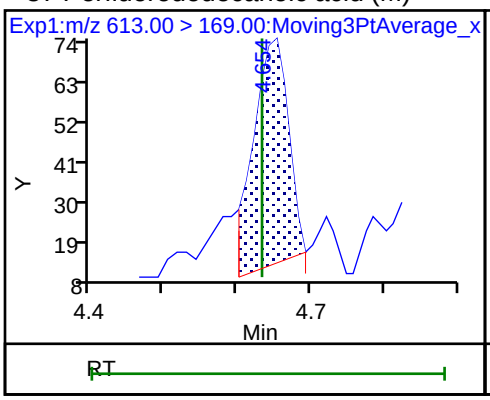
D 36 13C2 PFDoA (M)



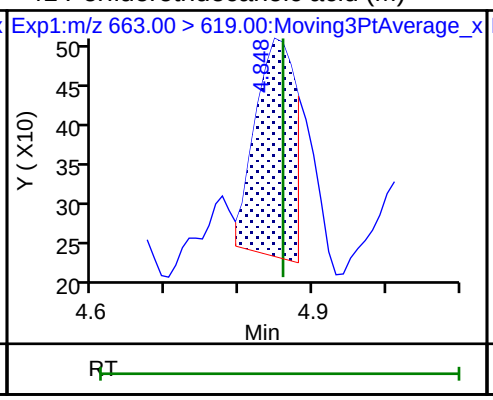
37 Perfluorododecanoic acid (M)



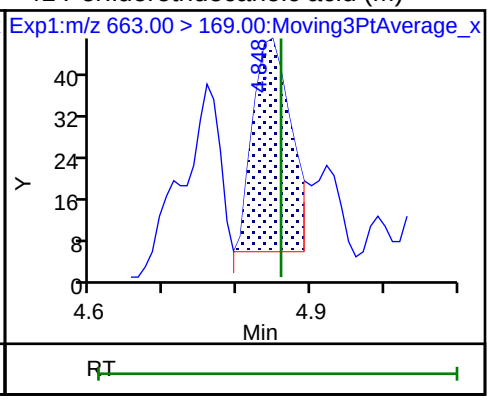
37 Perfluorododecanoic acid (M)



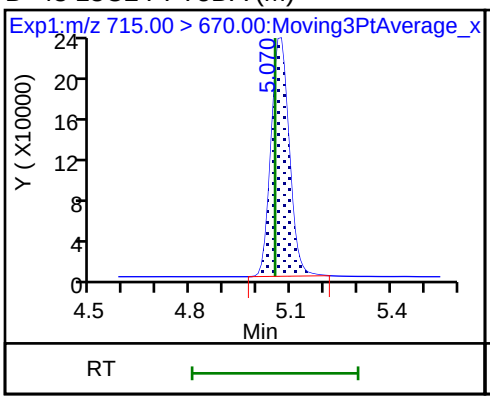
41 Perfluorotridecanoic acid (M)



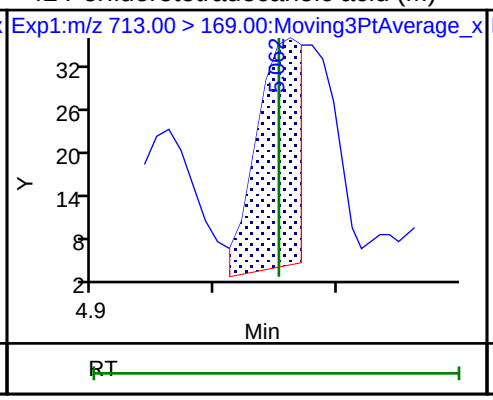
41 Perfluorotridecanoic acid (M)



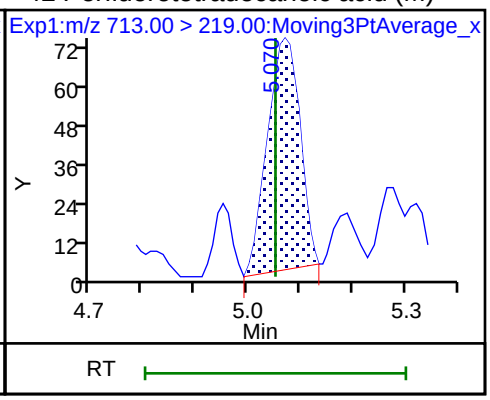
D 43 13C2 PFTeDA (M)



42 Perfluorotetradecanoic acid (M)



42 Perfluorotetradecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins Burlington

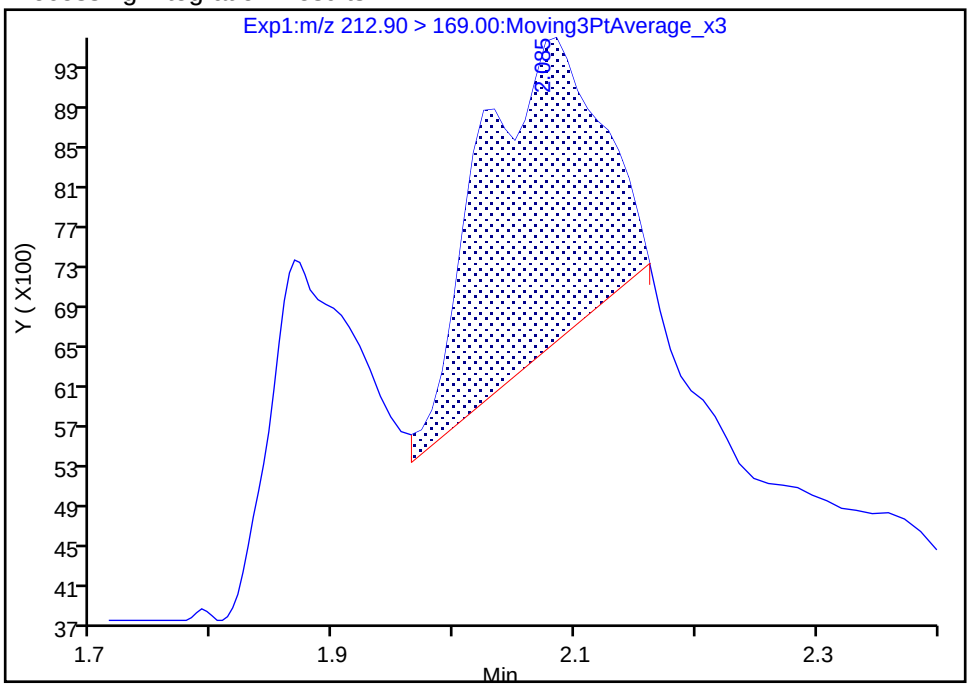
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Injection Date:	04-Aug-2022 16:36:42	Instrument ID:	LC812		
Lims ID:	460-262897-A-11-A	Lab Sample ID:	200-262897-11		
Client ID:	BCS-09-26 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

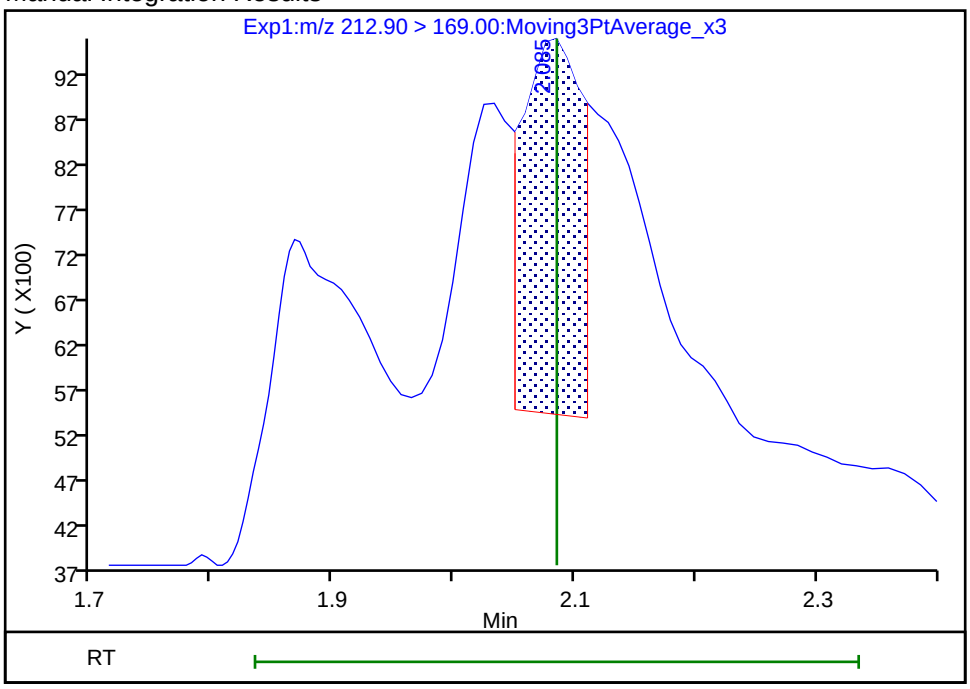
Processing Integration Results

RT: 2.08
Area: 21911
Amount: 0.016416
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 13414
Amount: 0.010070
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:33:17

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

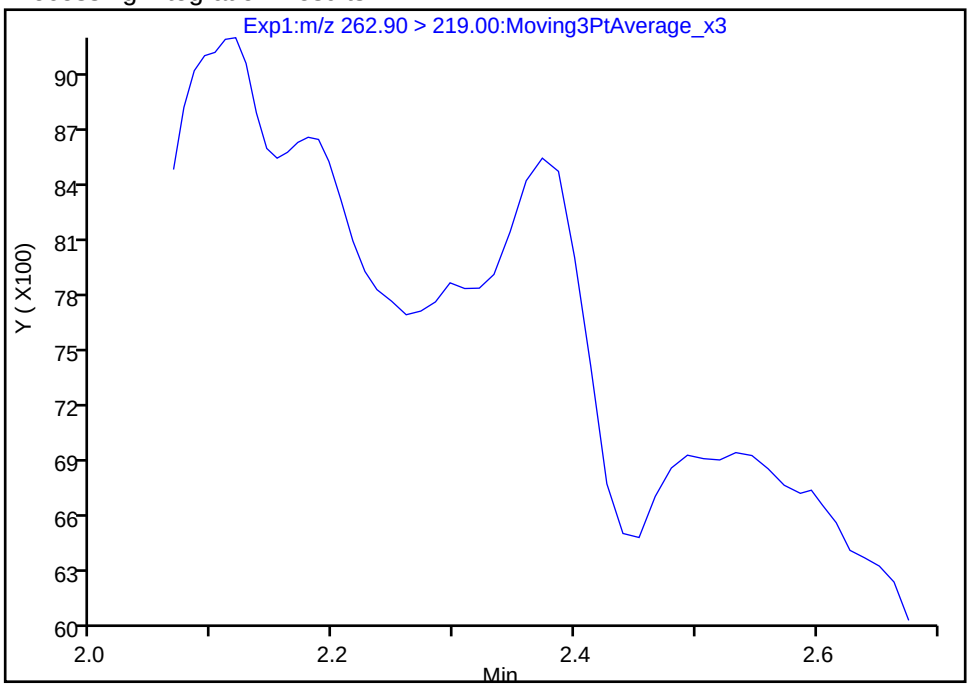
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Injection Date:	04-Aug-2022 16:36:42	Instrument ID:	LC812		
Lims ID:	460-262897-A-11-A	Lab Sample ID:	200-262897-11		
Client ID:	BCS-09-26 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

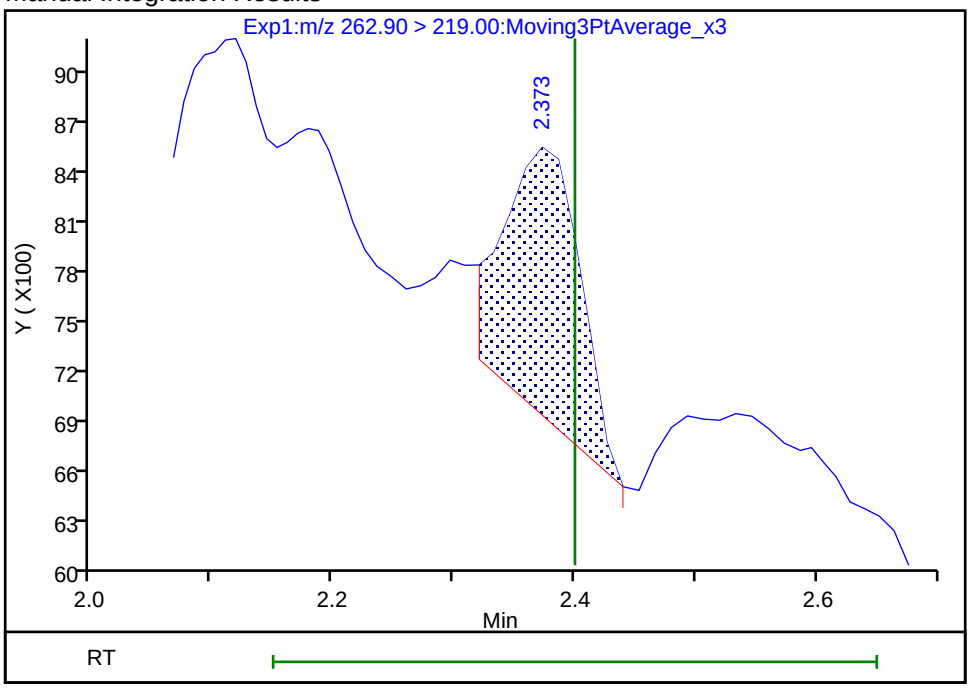
Not Detected
Expected RT: 2.40

Processing Integration Results



Manual Integration Results

RT: 2.37
Area: 7064
Amount: 0.006303
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:33:25
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

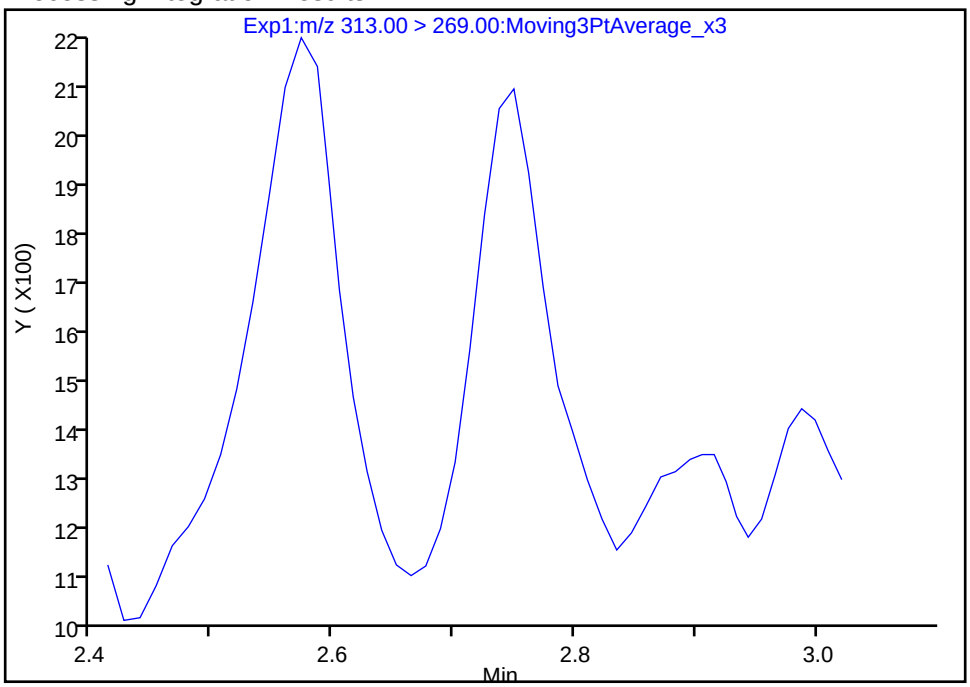
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Injection Date:	04-Aug-2022 16:36:42	Instrument ID:	LC812		
Lims ID:	460-262897-A-11-A	Lab Sample ID:	200-262897-11		
Client ID:	BCS-09-26 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

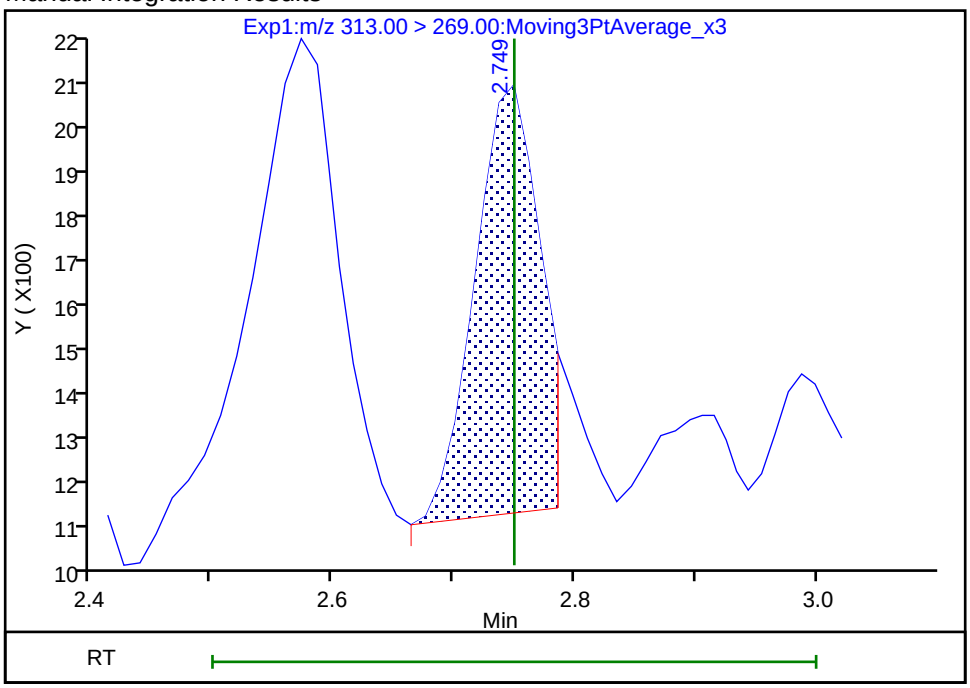
Not Detected
Expected RT: 2.75

Processing Integration Results



Manual Integration Results

RT: 2.75
Area: 3290
Amount: 0.002904
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:33:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

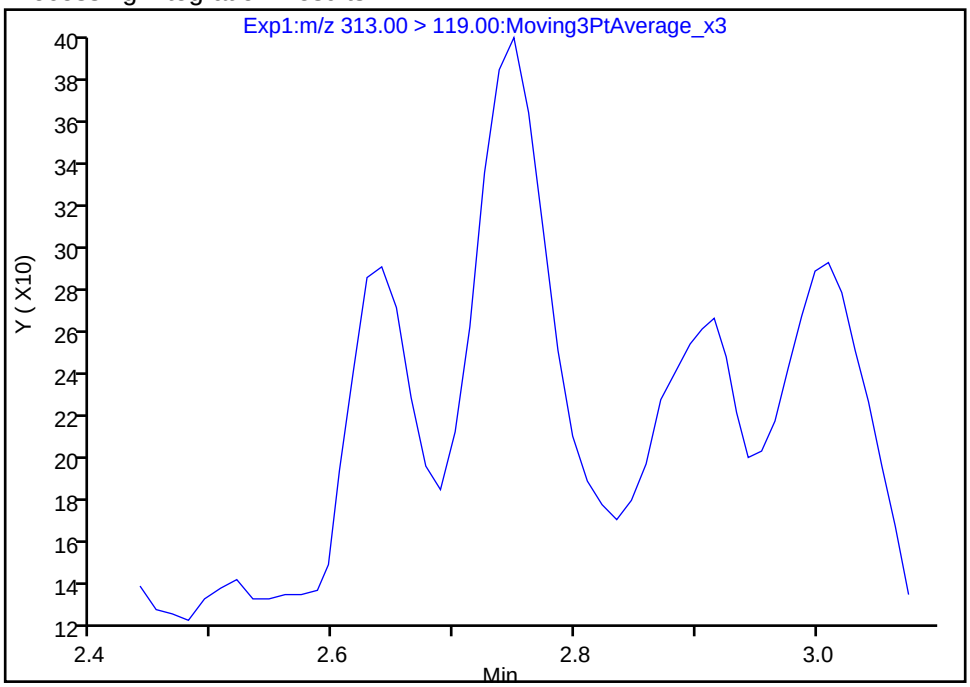
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B20.d				
Injection Date:	04-Aug-2022 16:36:42	Instrument ID:	LC812		
Lims ID:	460-262897-A-11-A	Lab Sample ID:	200-262897-11		
Client ID:	BCS-09-26 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

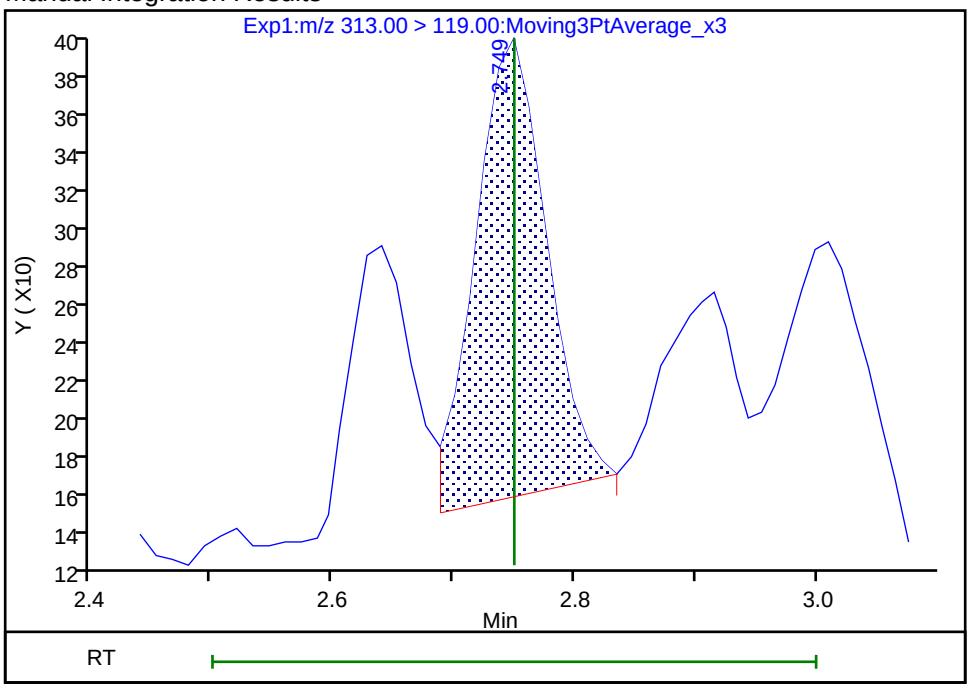
Not Detected
Expected RT: 2.75

Processing Integration Results



Manual Integration Results

RT: 2.75
Area: 965
Amount: 0.002904
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:33:51
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

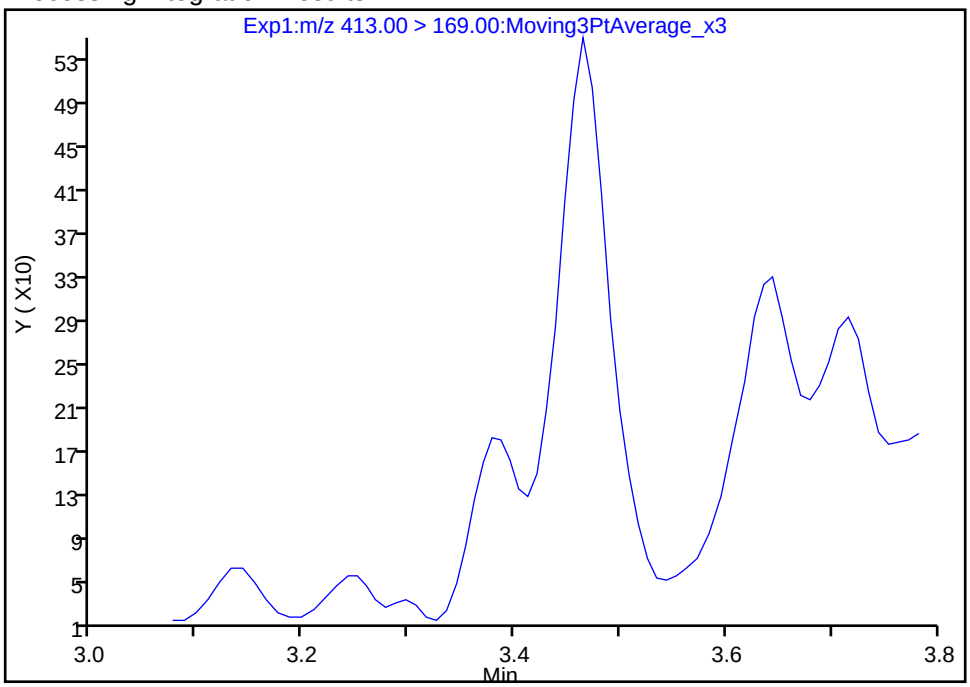
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B20.d				
Injection Date:	04-Aug-2022 16:36:42	Instrument ID:	LC812		
Lims ID:	460-262897-A-11-A	Lab Sample ID:	200-262897-11		
Client ID:	BCS-09-26 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

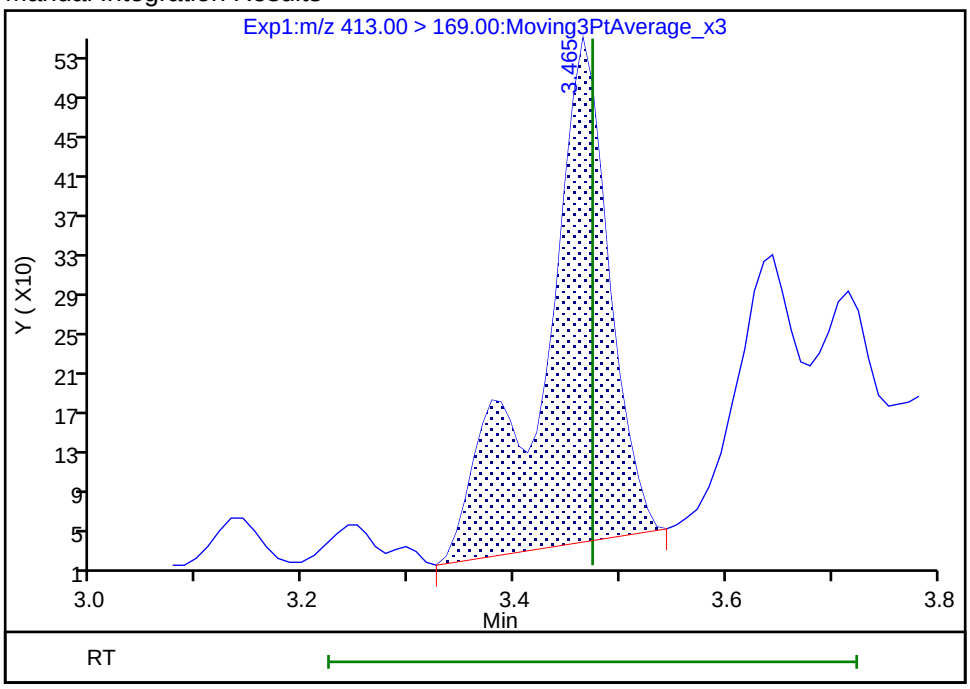
Not Detected
Expected RT: 3.47

Processing Integration Results



Manual Integration Results

RT: 3.46
Area: 2236
Amount: 0.007256
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:35:05
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

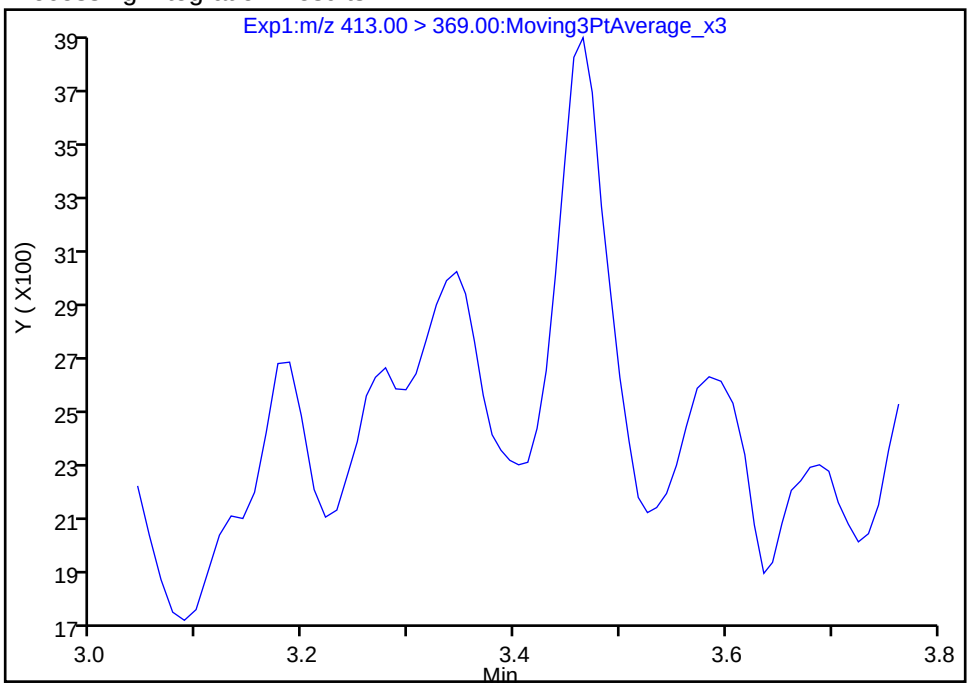
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Lims ID:	460-262897-A-11-A	Lab Sample ID:	200-262897-11		
Client ID:	BCS-09-26 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

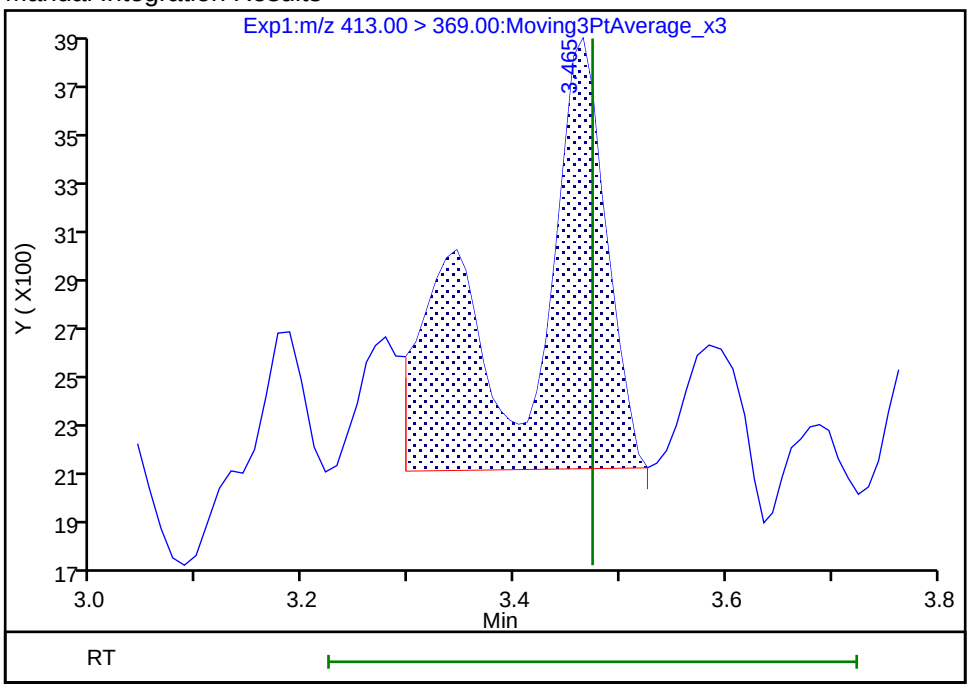
Not Detected
Expected RT: 3.47

Processing Integration Results



Manual Integration Results

RT: 3.46
Area: 9059
Amount: 0.007256
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:35:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

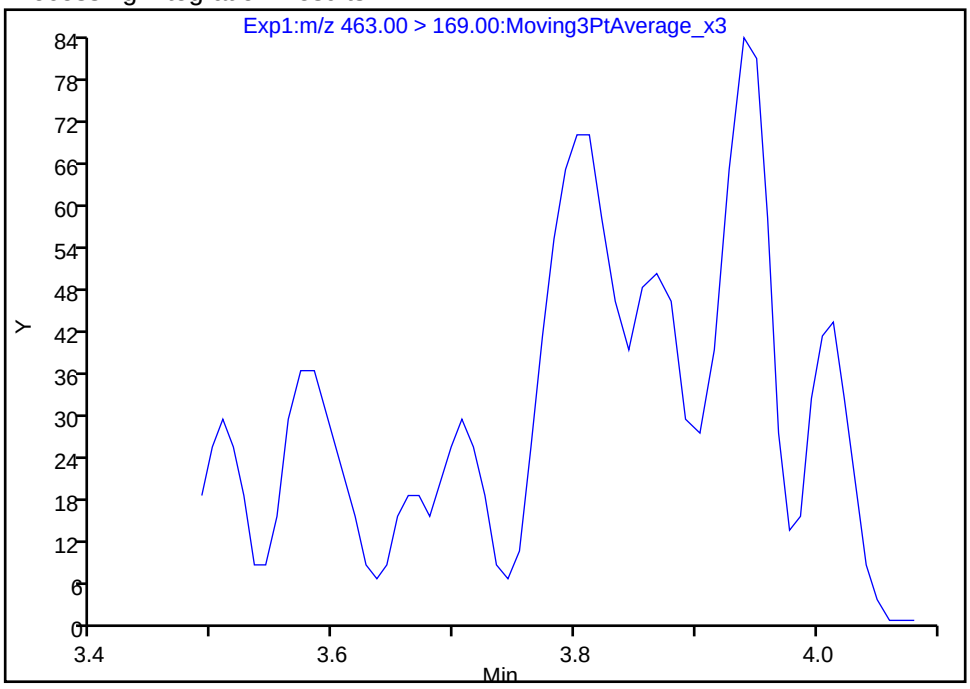
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B20.d				
Injection Date:	04-Aug-2022 16:36:42	Instrument ID:	LC812		
Lims ID:	460-262897-A-11-A	Lab Sample ID:	200-262897-11		
Client ID:	BCS-09-26 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

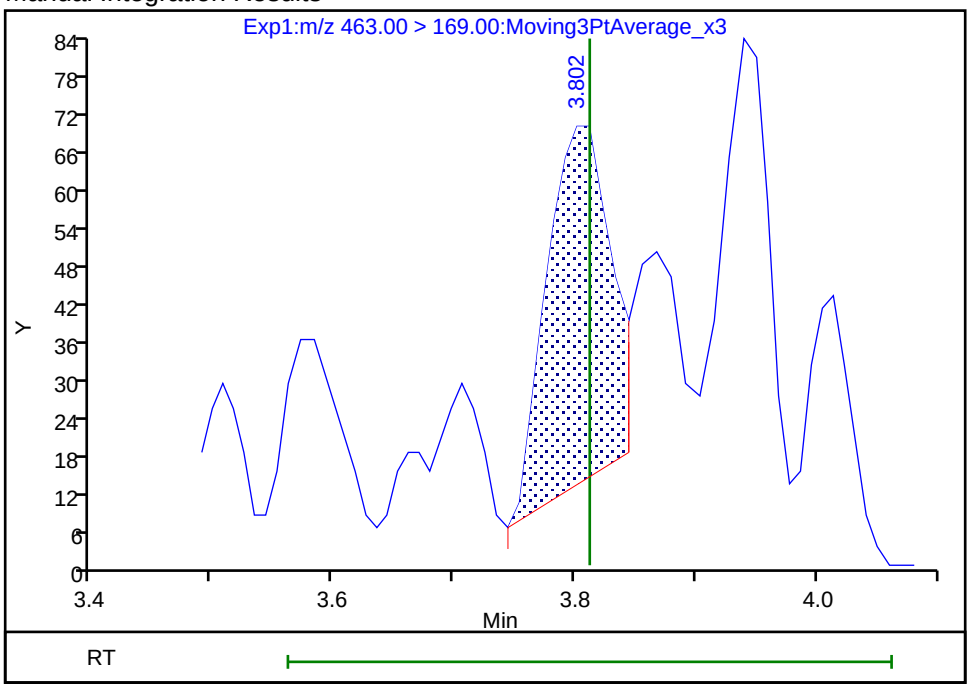
Not Detected
Expected RT: 3.81

Processing Integration Results



Manual Integration Results

RT: 3.80
Area: 207
Amount: 0.002575
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:35:53
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

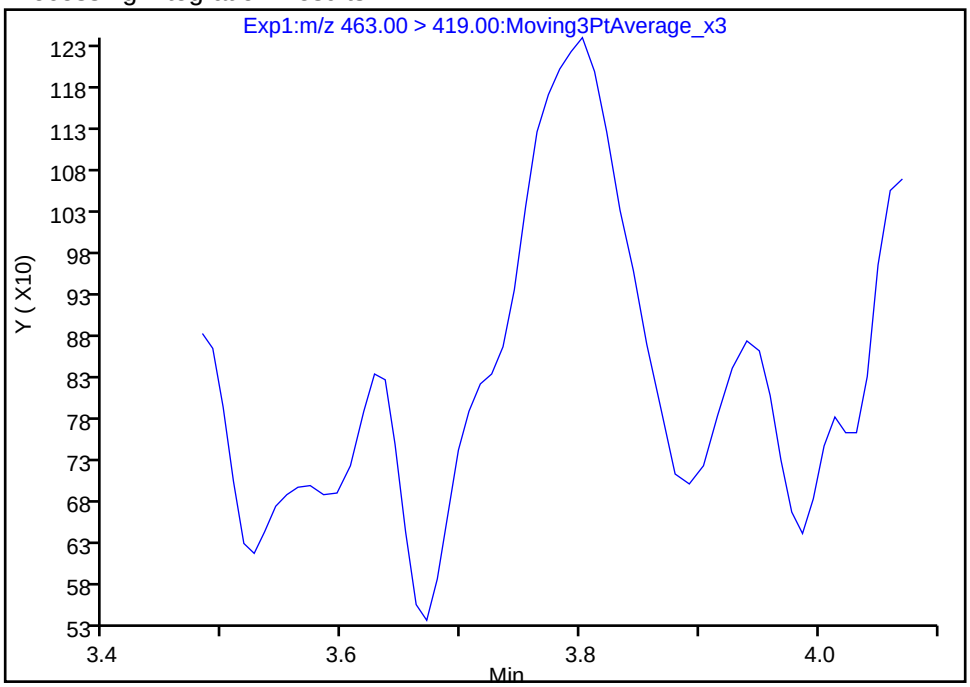
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B20.d				
Injection Date:	04-Aug-2022 16:36:42	Instrument ID:	LC812		
Lims ID:	460-262897-A-11-A	Lab Sample ID:	200-262897-11		
Client ID:	BCS-09-26 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

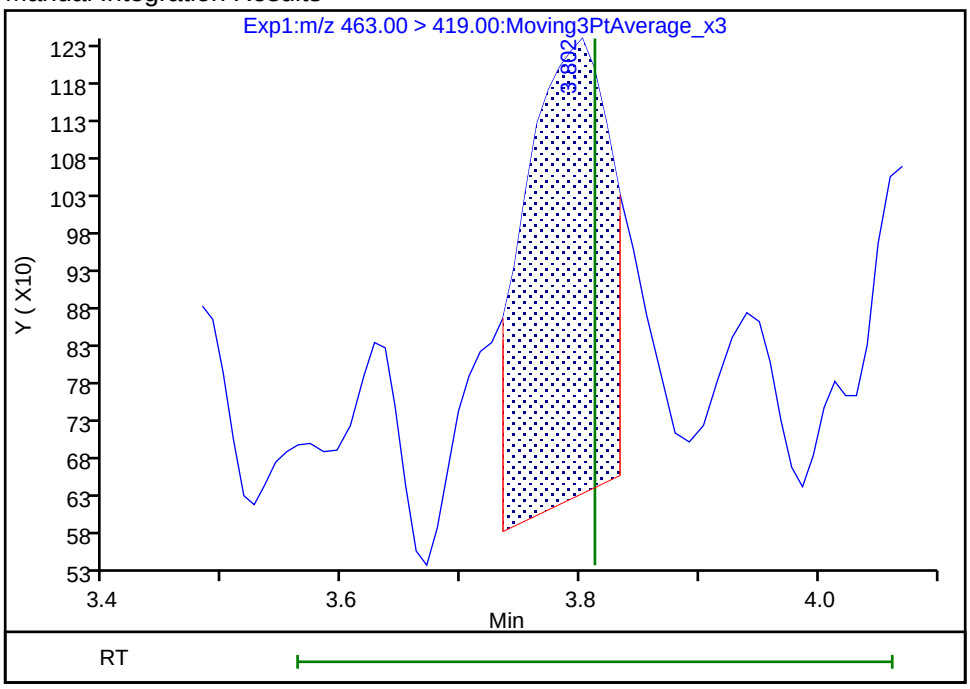
Not Detected
Expected RT: 3.81

Processing Integration Results



Manual Integration Results

RT: 3.80
Area: 2972
Amount: 0.002575
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:35:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

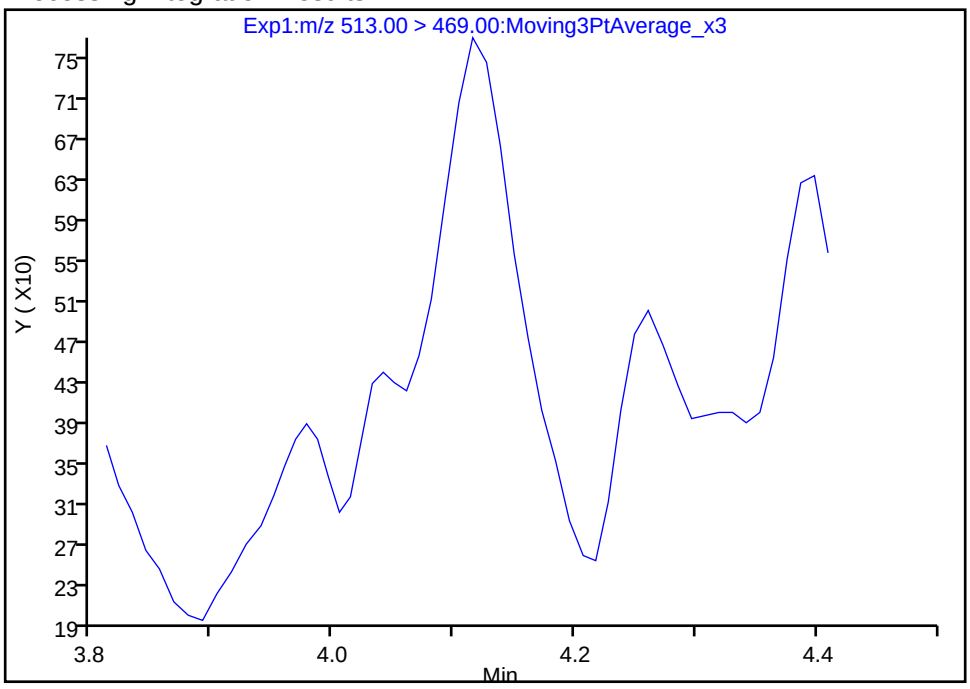
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B20.d				
Injection Date:	04-Aug-2022 16:36:42	Instrument ID:	LC812		
Lims ID:	460-262897-A-11-A	Lab Sample ID:	200-262897-11		
Client ID:	BCS-09-26 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

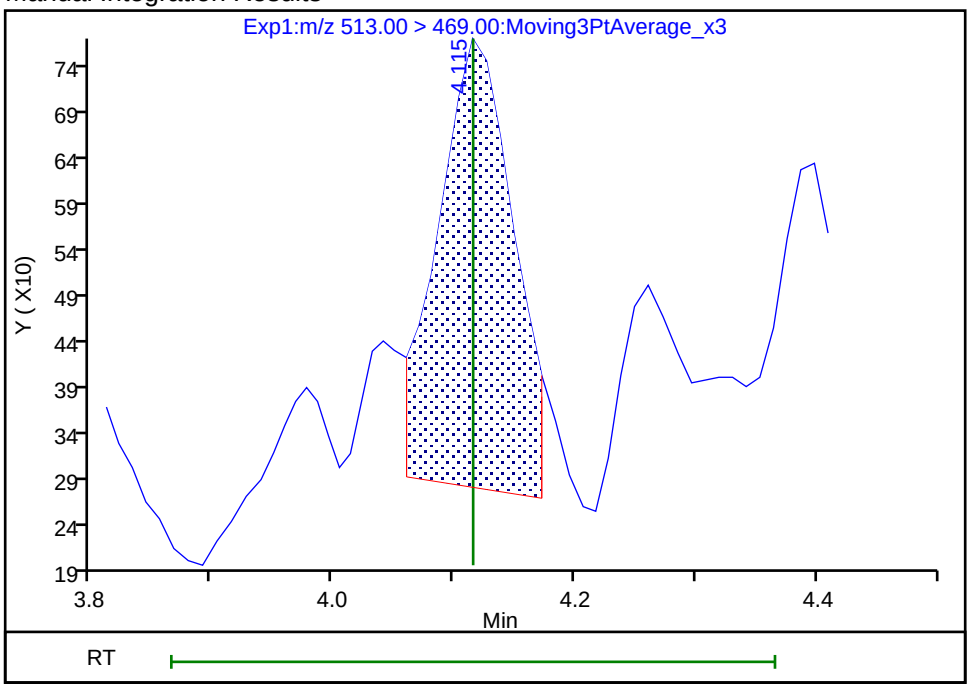
Not Detected
Expected RT: 4.12

Processing Integration Results



Manual Integration Results

RT: 4.12
Area: 2073
Amount: 0.001830
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:36:20
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

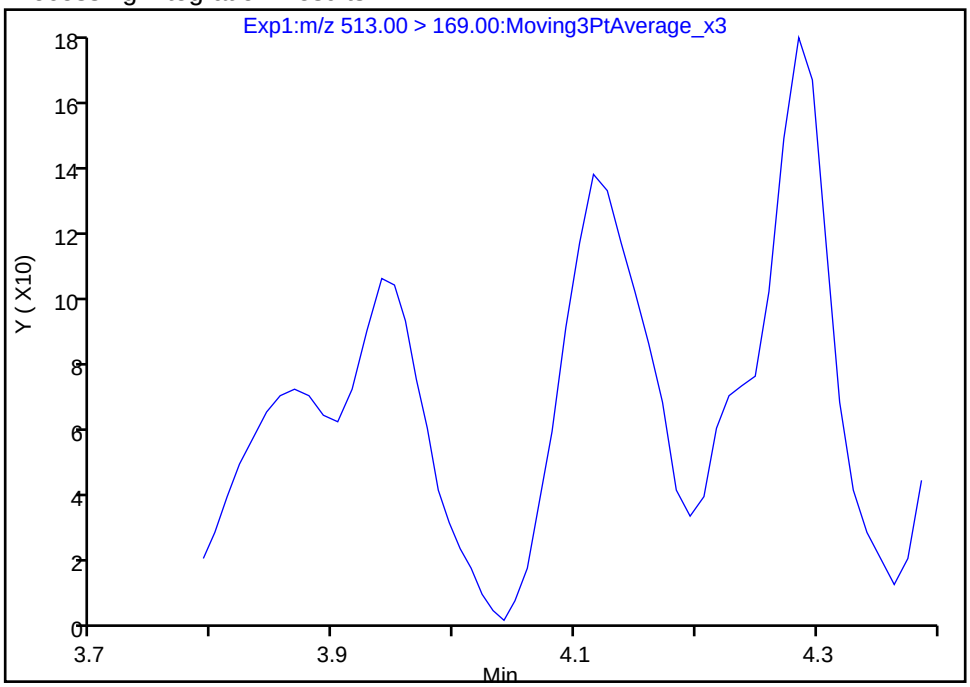
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B20.d				
Injection Date:	04-Aug-2022 16:36:42	Instrument ID:	LC812		
Lims ID:	460-262897-A-11-A	Lab Sample ID:	200-262897-11		
Client ID:	BCS-09-26 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

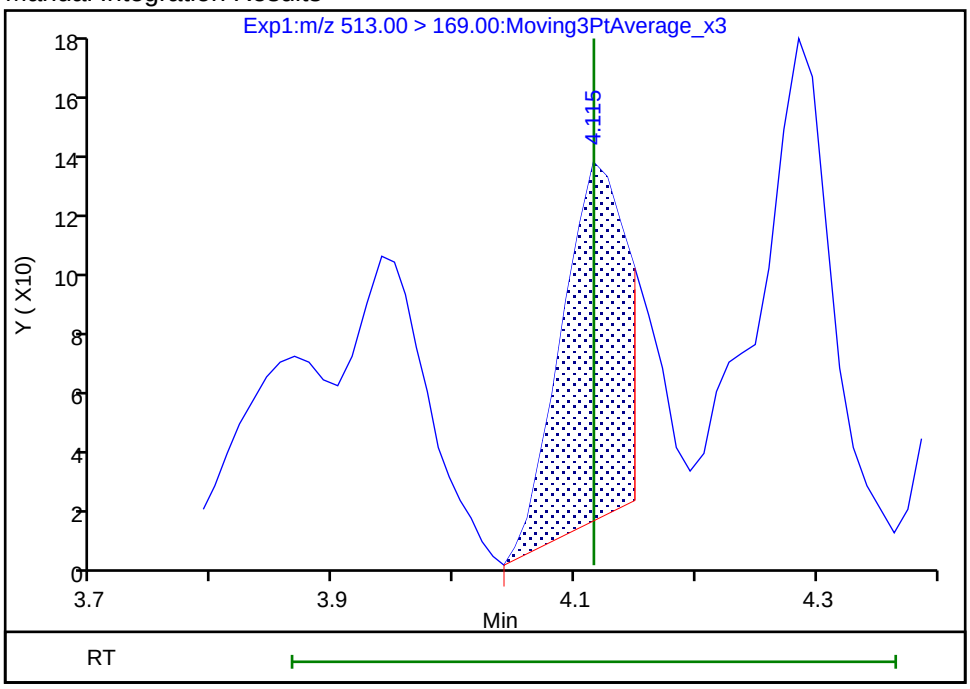
Not Detected
Expected RT: 4.12

Processing Integration Results



Manual Integration Results

RT: 4.12
Area: 442
Amount: 0.001830
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:36:22
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

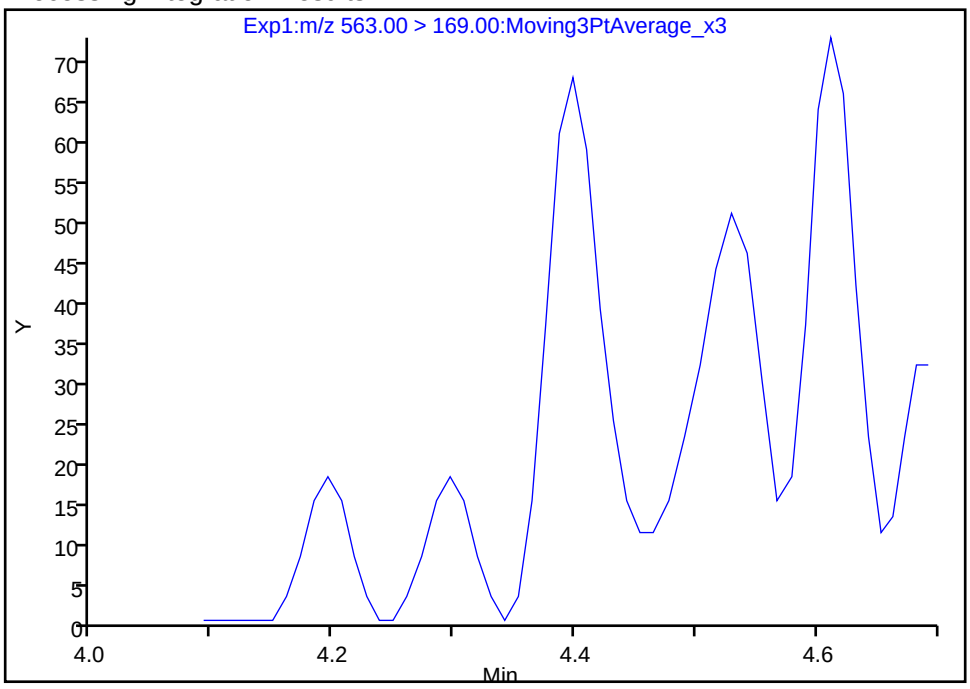
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B20.d				
Injection Date:	04-Aug-2022 16:36:42	Instrument ID:	LC812		
Lims ID:	460-262897-A-11-A	Lab Sample ID:	200-262897-11		
Client ID:	BCS-09-26 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

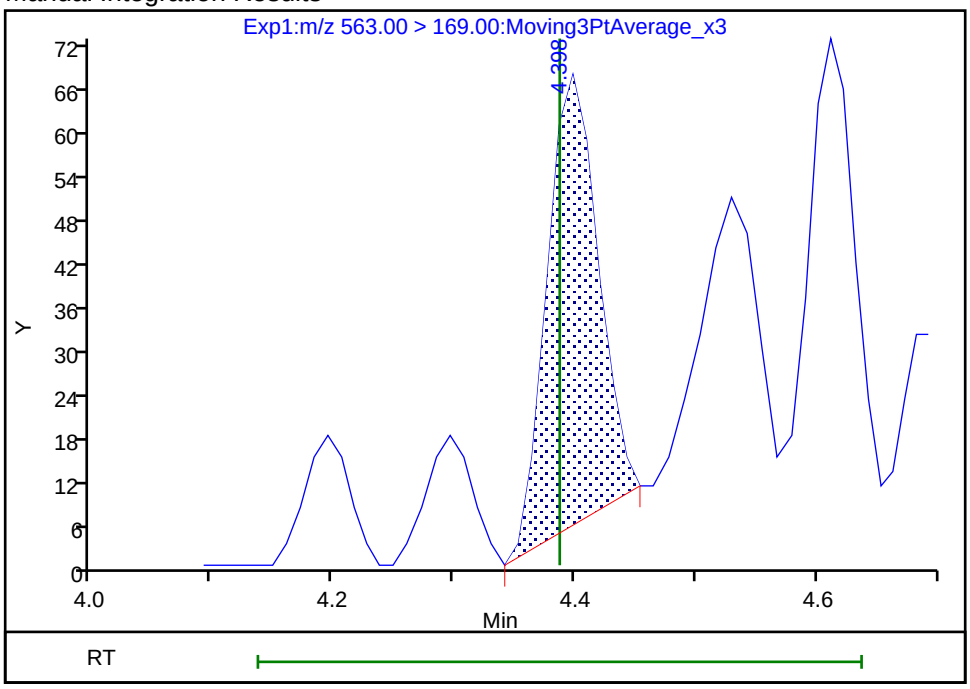
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.40
Area: 183
Amount: 0.001605
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:37:17
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

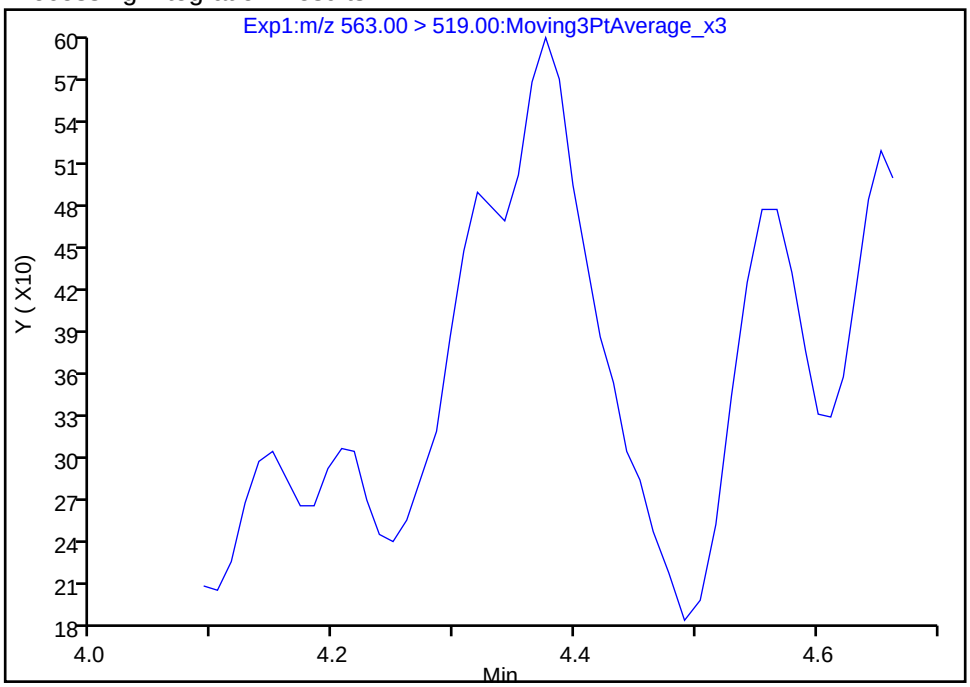
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B20.d				
Injection Date:	04-Aug-2022 16:36:42	Instrument ID:	LC812		
Lims ID:	460-262897-A-11-A	Lab Sample ID:	200-262897-11		
Client ID:	BCS-09-26 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

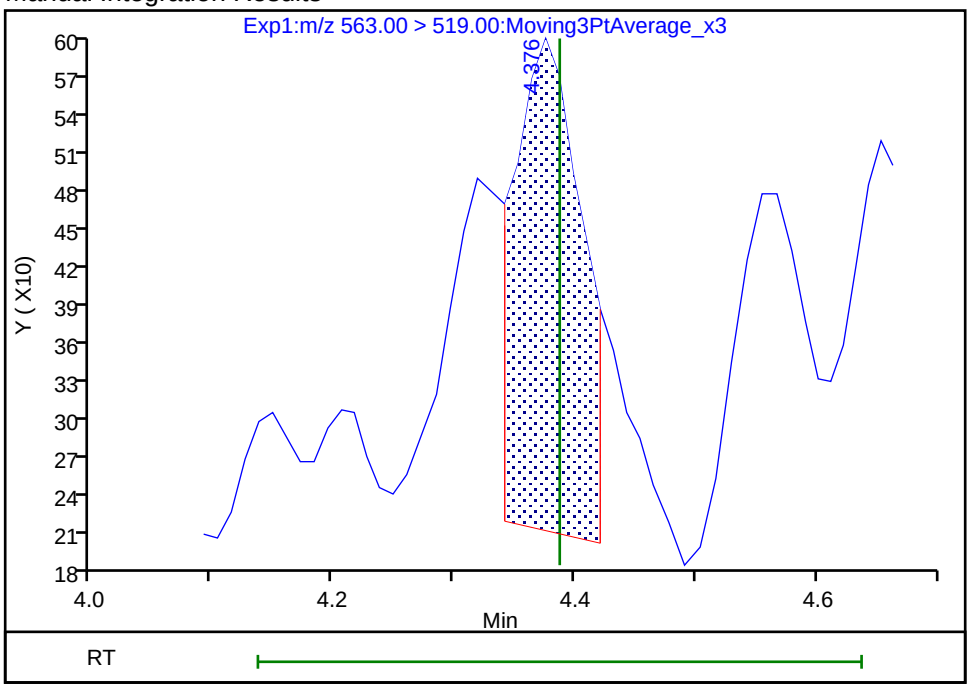
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.38
Area: 1413
Amount: 0.001605
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:37:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

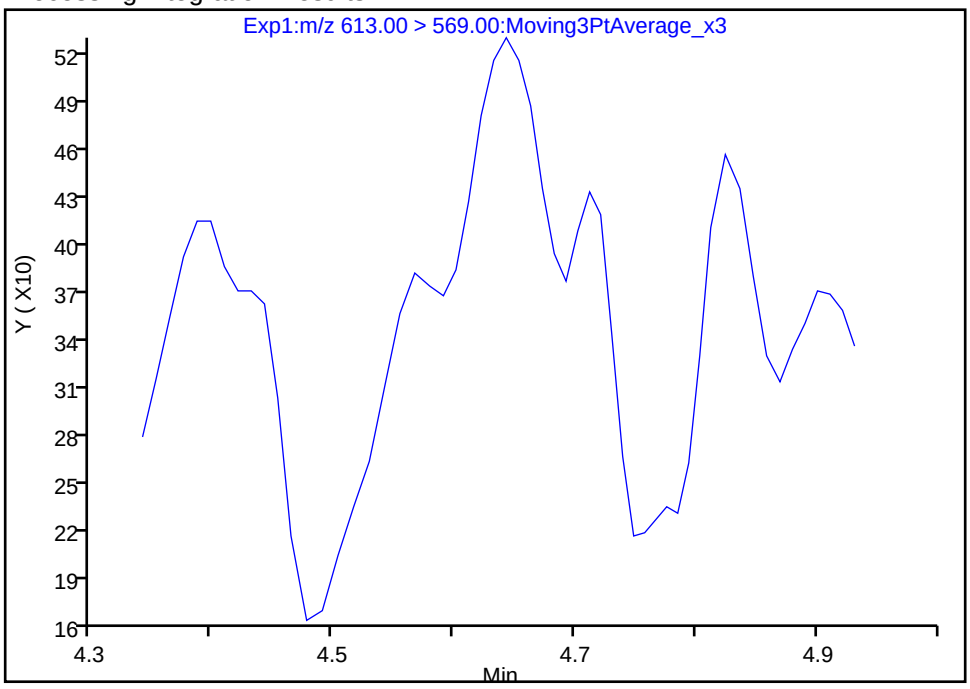
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B20.d				
Injection Date:	04-Aug-2022 16:36:42	Instrument ID:	LC812		
Lims ID:	460-262897-A-11-A	Lab Sample ID:	200-262897-11		
Client ID:	BCS-09-26 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

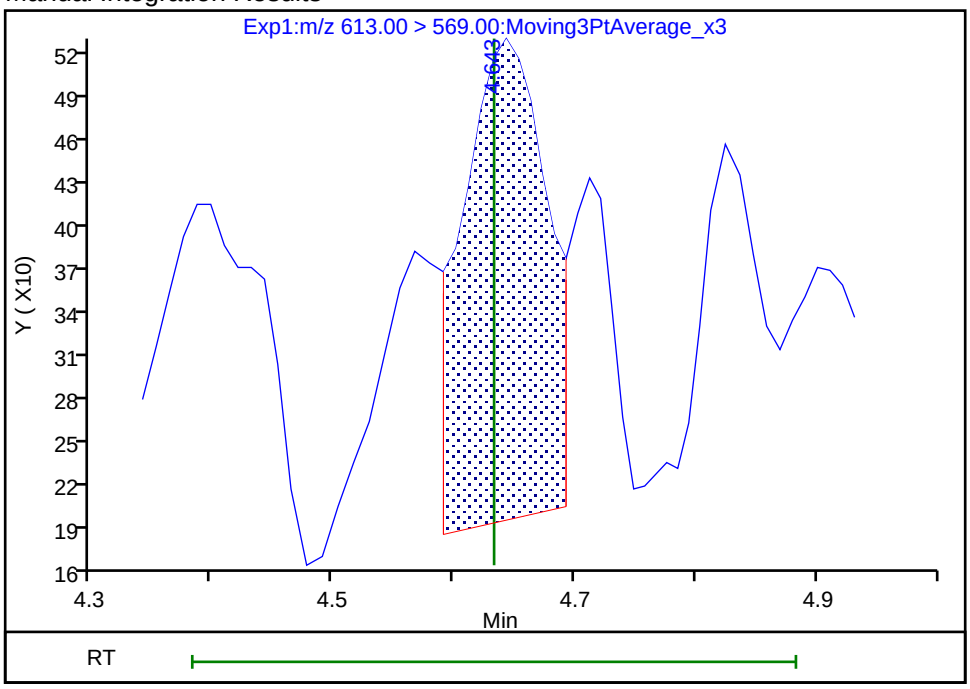
Not Detected
Expected RT: 4.63

Processing Integration Results



Manual Integration Results

RT: 4.64
Area: 1554
Amount: 0.001839
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:37:41
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

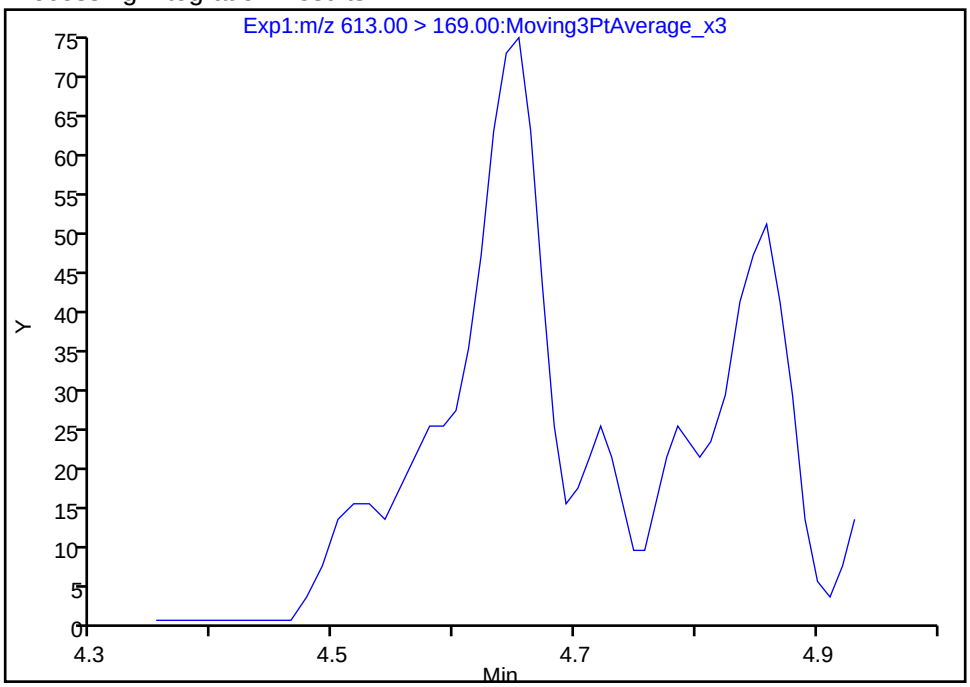
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B20.d				
Injection Date:	04-Aug-2022 16:36:42	Instrument ID:	LC812		
Lims ID:	460-262897-A-11-A	Lab Sample ID:	200-262897-11		
Client ID:	BCS-09-26 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

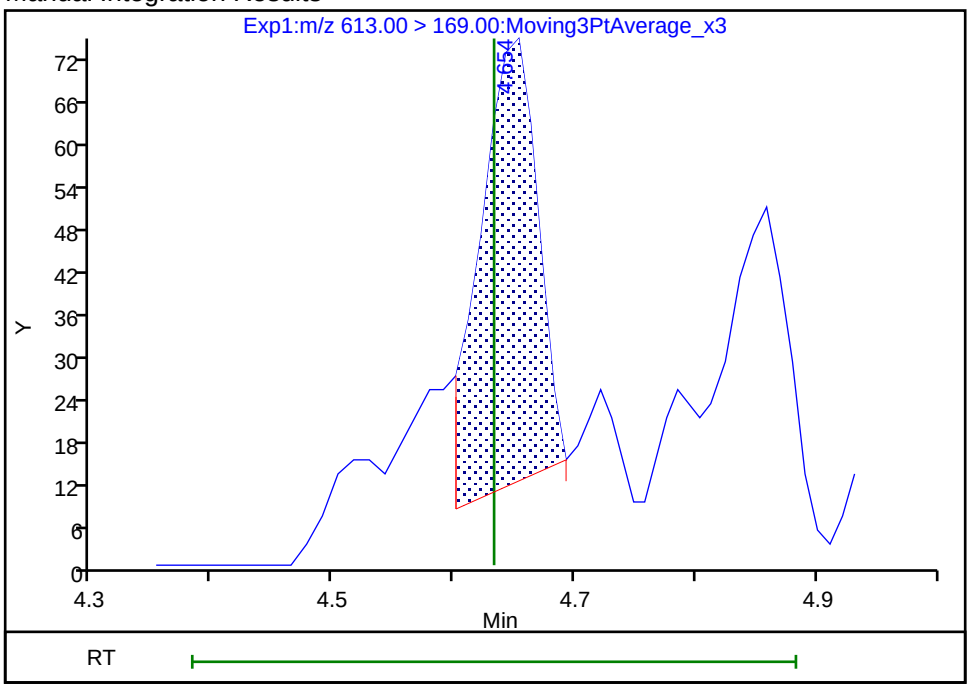
Not Detected
Expected RT: 4.63

Processing Integration Results



Manual Integration Results

RT: 4.65
Area: 208
Amount: 0.001839
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:37:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

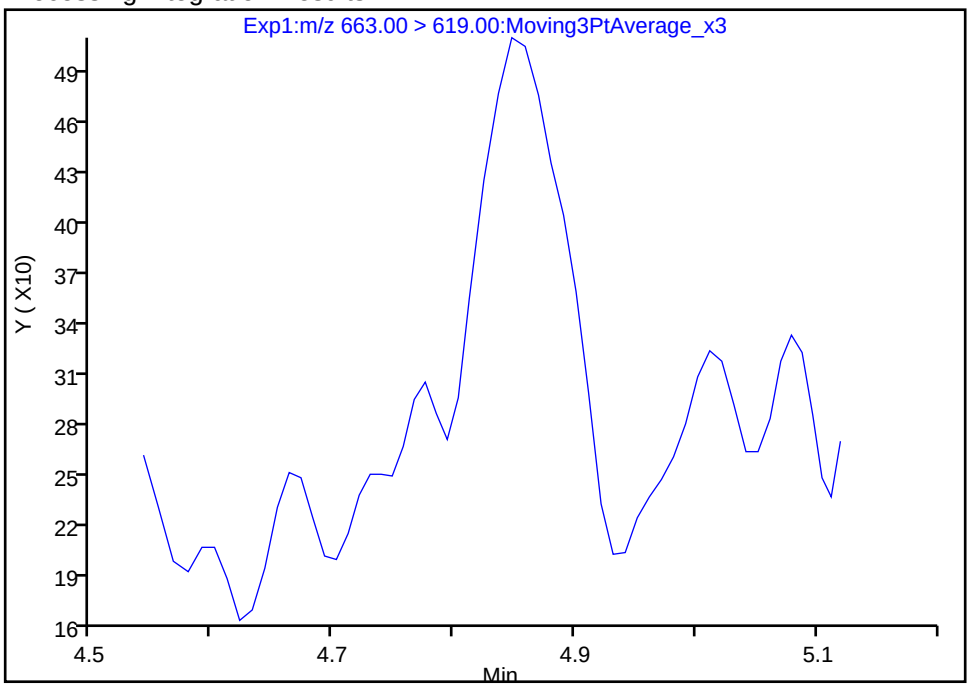
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B20.d				
Injection Date:	04-Aug-2022 16:36:42	Instrument ID:	LC812		
Lims ID:	460-262897-A-11-A	Lab Sample ID:	200-262897-11		
Client ID:	BCS-09-26 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

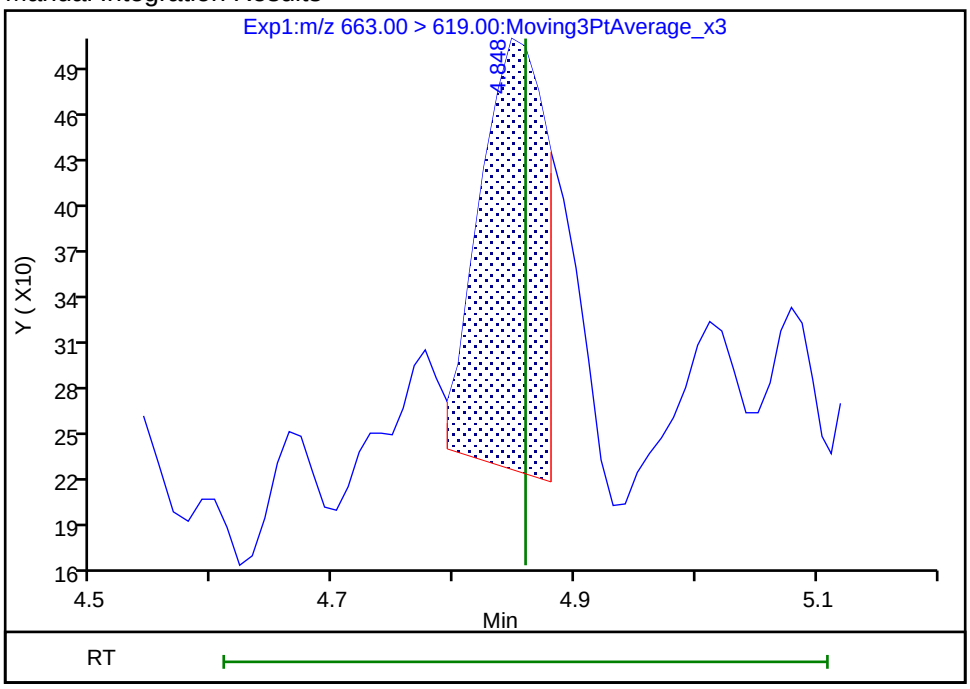
Not Detected
Expected RT: 4.86

Processing Integration Results



Manual Integration Results

RT: 4.85
Area: 999
Amount: 0.001364
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:37:59
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

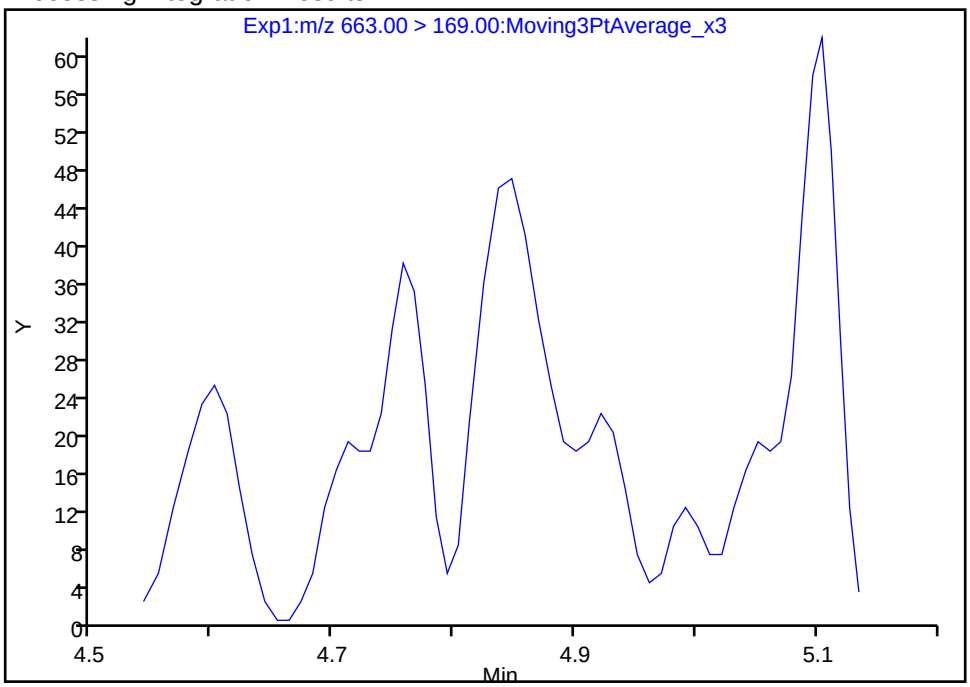
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B20.d				
Injection Date:	04-Aug-2022 16:36:42	Instrument ID:	LC812		
Lims ID:	460-262897-A-11-A	Lab Sample ID:	200-262897-11		
Client ID:	BCS-09-26 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

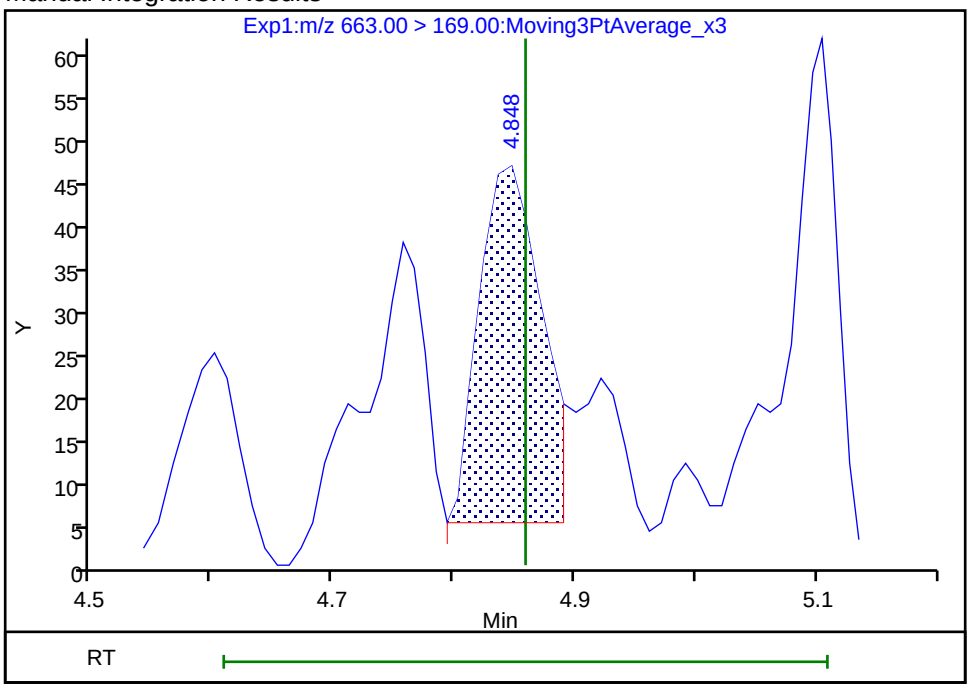
Not Detected
Expected RT: 4.86

Processing Integration Results



Manual Integration Results

RT: 4.85
Area: 148
Amount: 0.001364
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:38:01
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

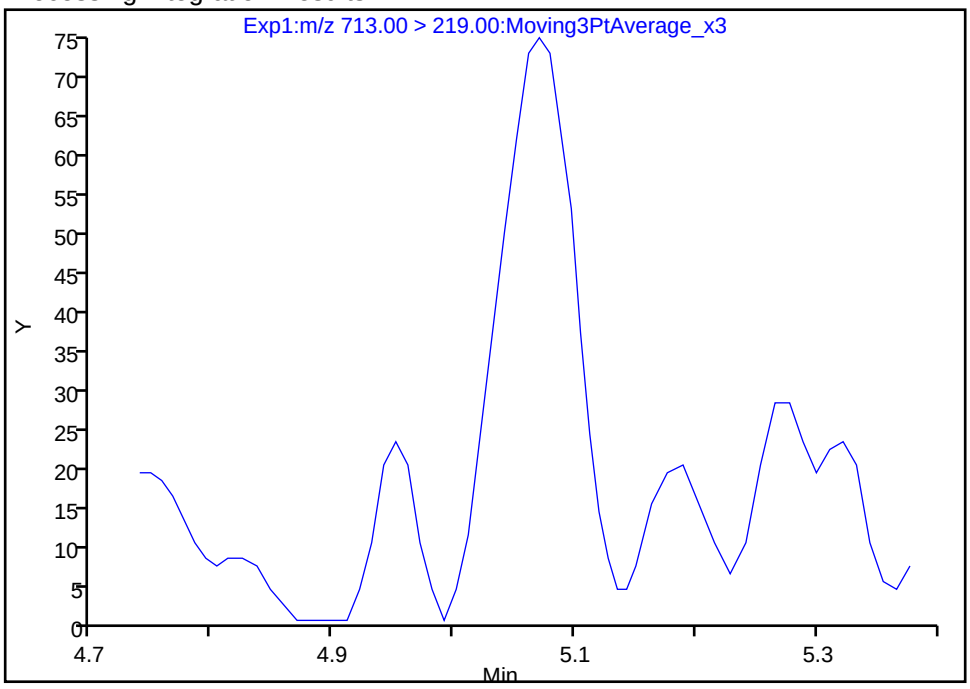
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B20.d				
Injection Date:	04-Aug-2022 16:36:42	Instrument ID:	LC812		
Lims ID:	460-262897-A-11-A	Lab Sample ID:	200-262897-11		
Client ID:	BCS-09-26 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

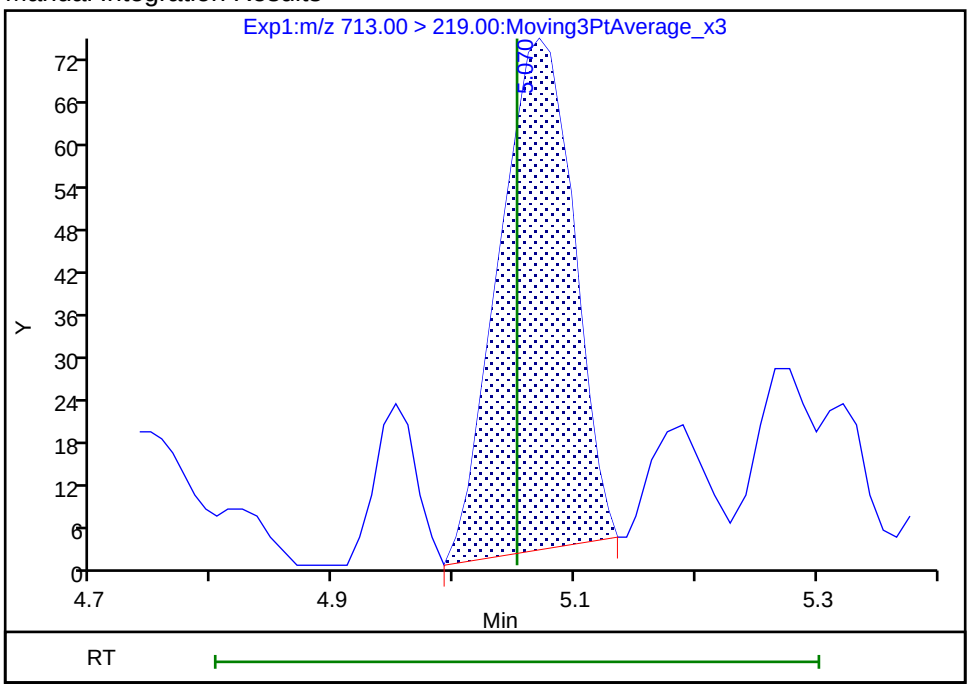
Not Detected
Expected RT: 5.05

Processing Integration Results



Manual Integration Results

RT: 5.07
Area: 313
Amount: 0.000690
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:38:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

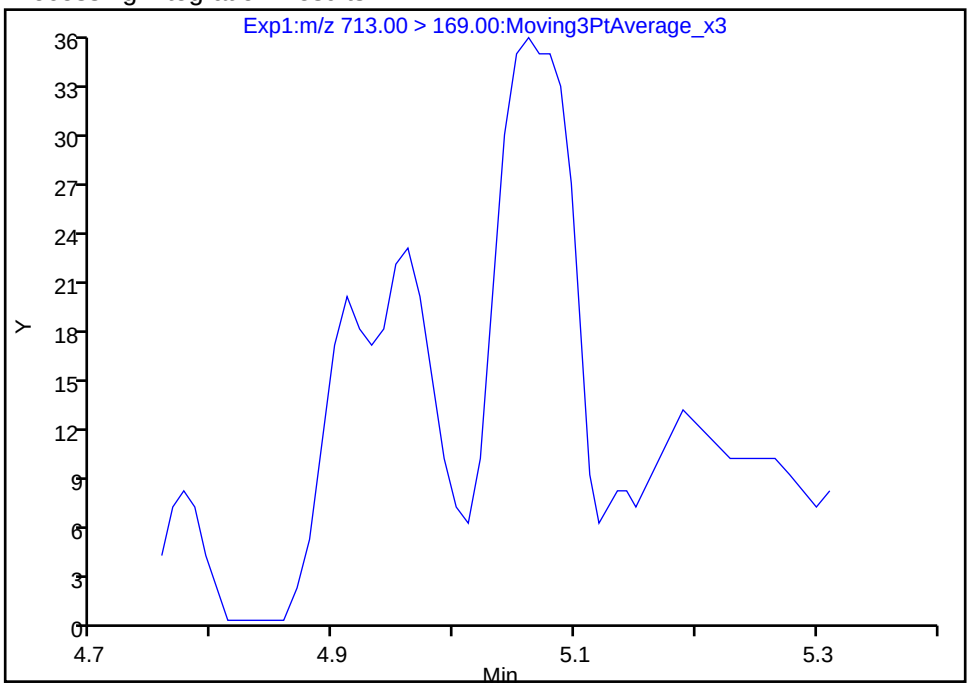
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B20.d				
Injection Date:	04-Aug-2022 16:36:42	Instrument ID:	LC812		
Lims ID:	460-262897-A-11-A	Lab Sample ID:	200-262897-11		
Client ID:	BCS-09-26 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

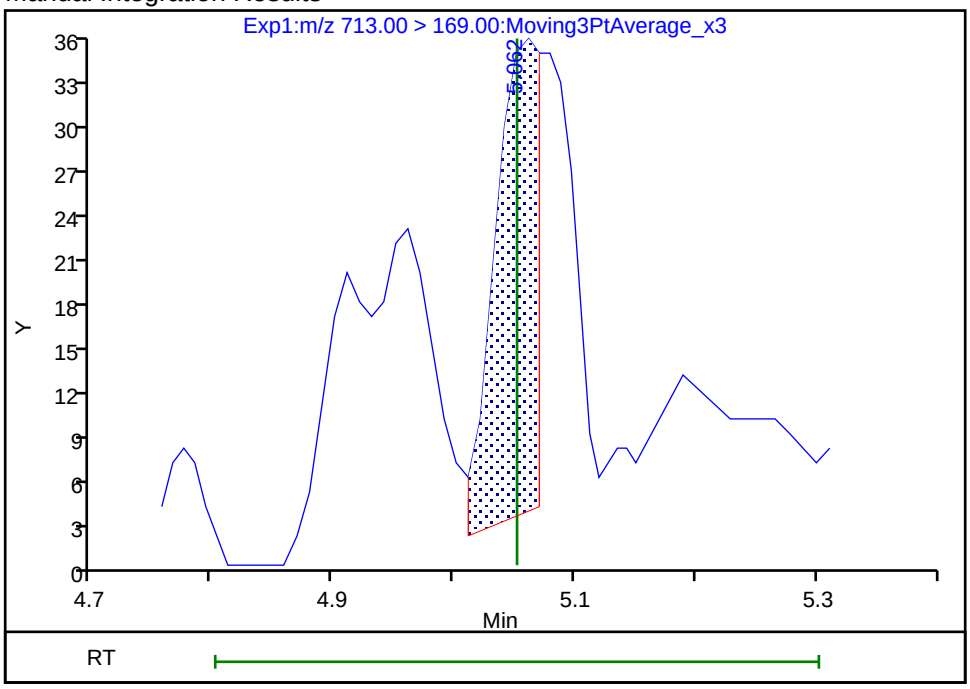
Not Detected
Expected RT: 5.05

Processing Integration Results



Manual Integration Results

RT: 5.06
Area: 77
Amount: 0.000690
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:38:16
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

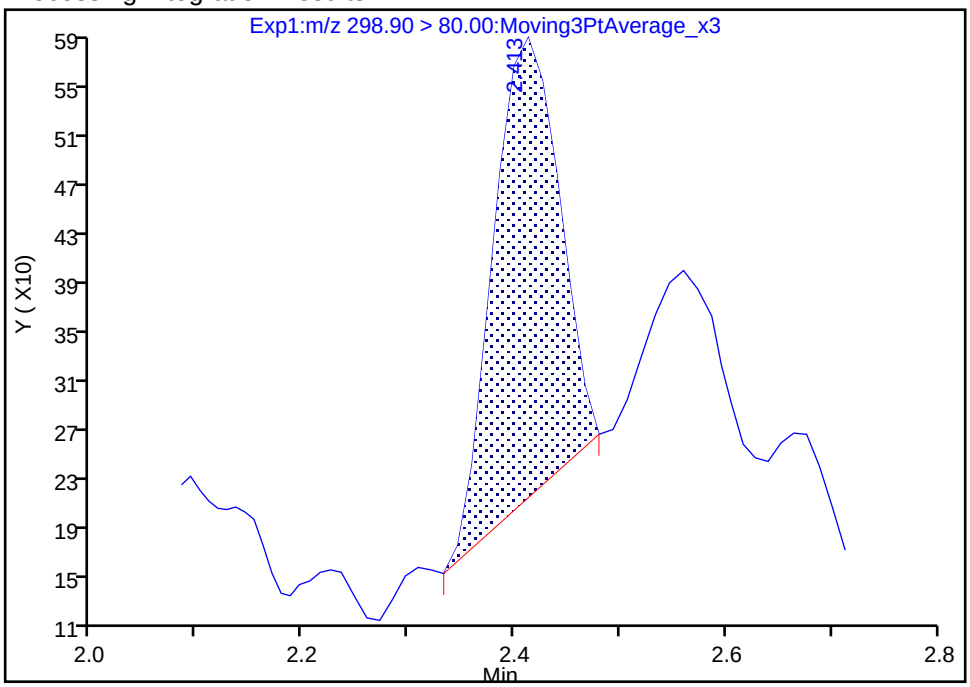
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B20.d				
Injection Date:	04-Aug-2022 16:36:42	Instrument ID:	LC812		
Lims ID:	460-262897-A-11-A	Lab Sample ID:	200-262897-11		
Client ID:	BCS-09-26 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

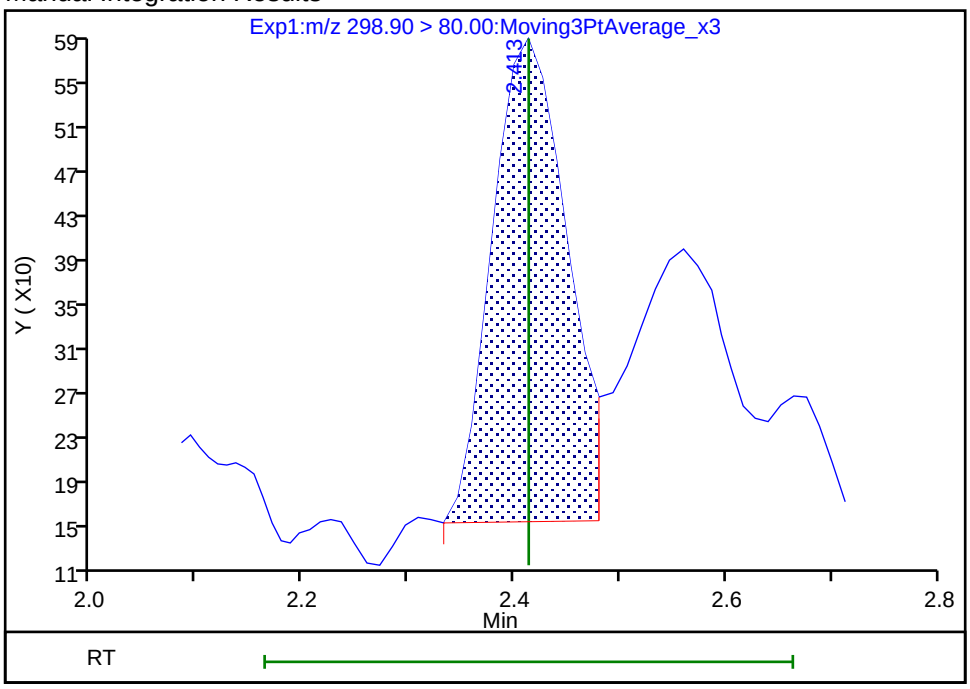
Processing Integration Results

RT: 2.41
Area: 1629
Amount: 0.001346
Amount Units: ng/ml



Manual Integration Results

RT: 2.41
Area: 2118
Amount: 0.001750
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:33:39

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

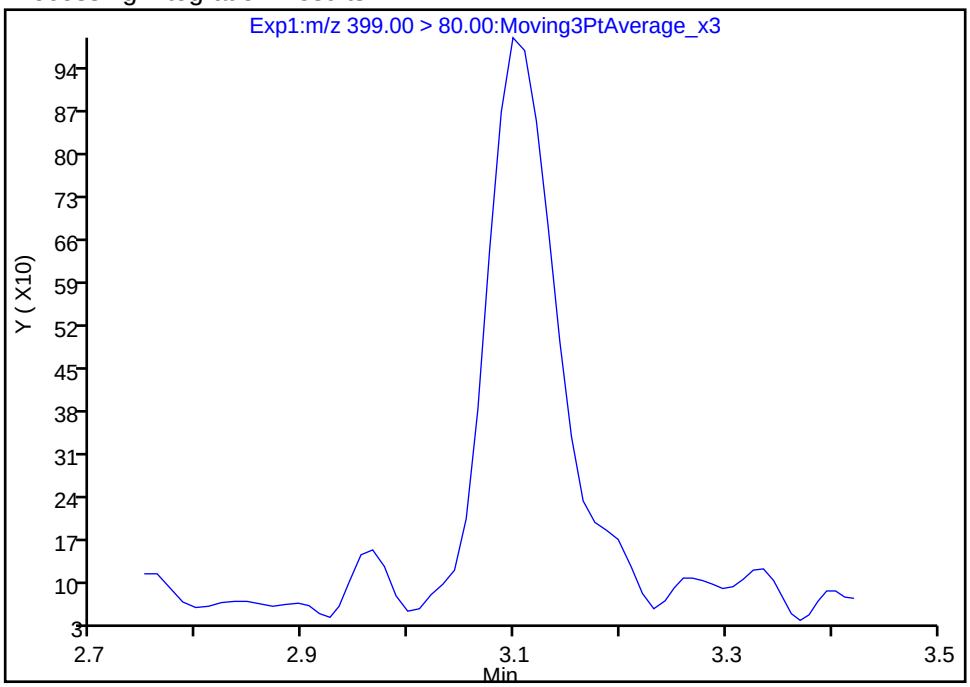
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B20.d				
Injection Date:	04-Aug-2022 16:36:42	Instrument ID:	LC812		
Lims ID:	460-262897-A-11-A	Lab Sample ID:	200-262897-11		
Client ID:	BCS-09-26 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

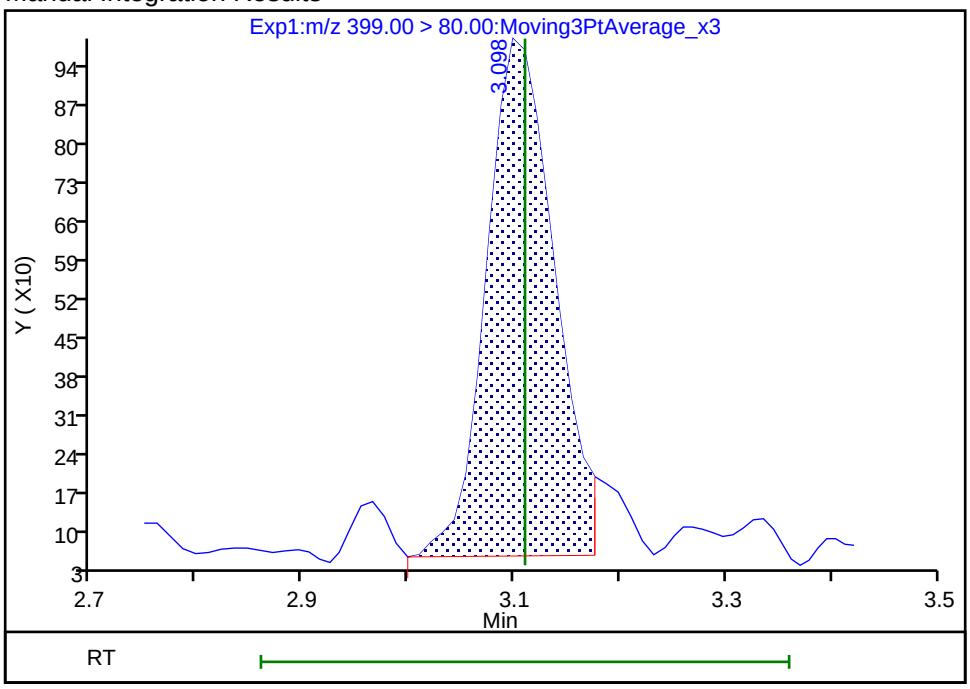
Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results

RT: 3.10
Area: 4158
Amount: 0.004887
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:34:05
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

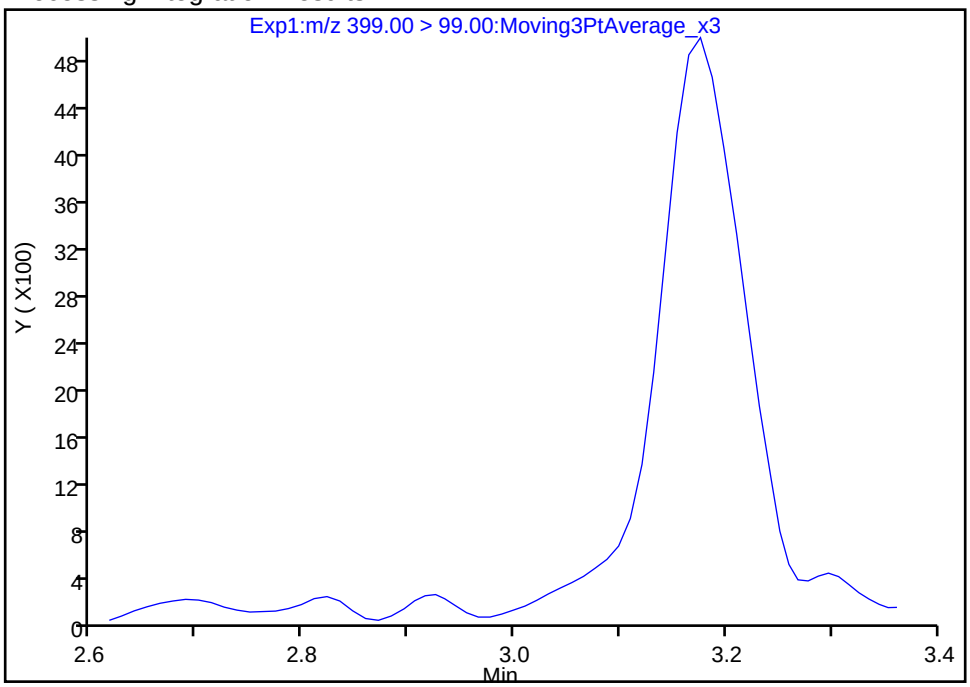
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B20.d				
Injection Date:	04-Aug-2022 16:36:42	Instrument ID:	LC812		
Lims ID:	460-262897-A-11-A	Lab Sample ID:	200-262897-11		
Client ID:	BCS-09-26 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

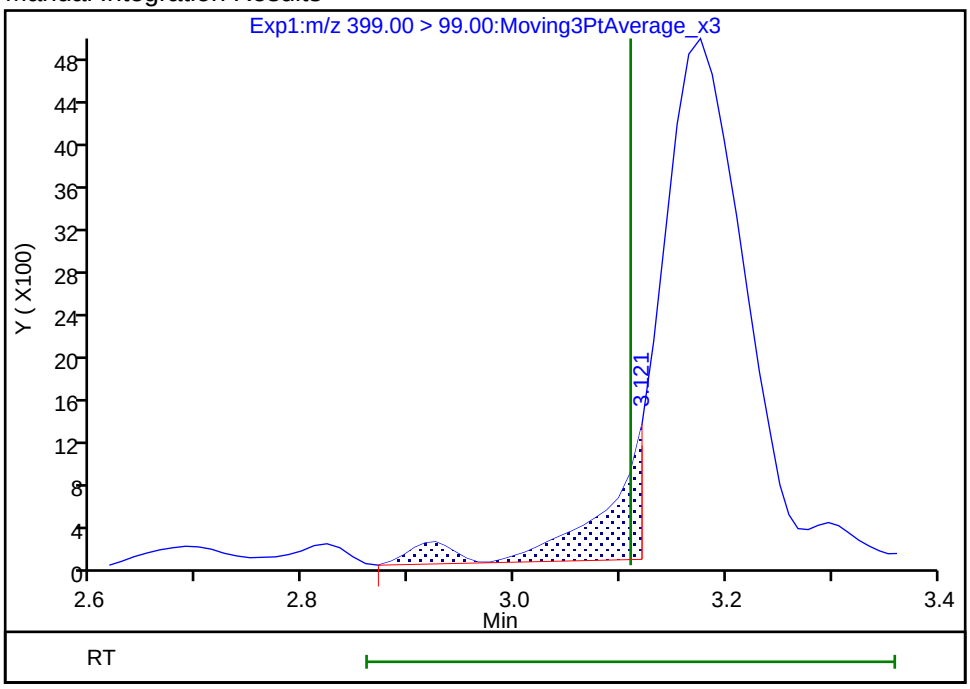
Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results

RT: 3.12
Area: 3375
Amount: 0.004887
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:34:09
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

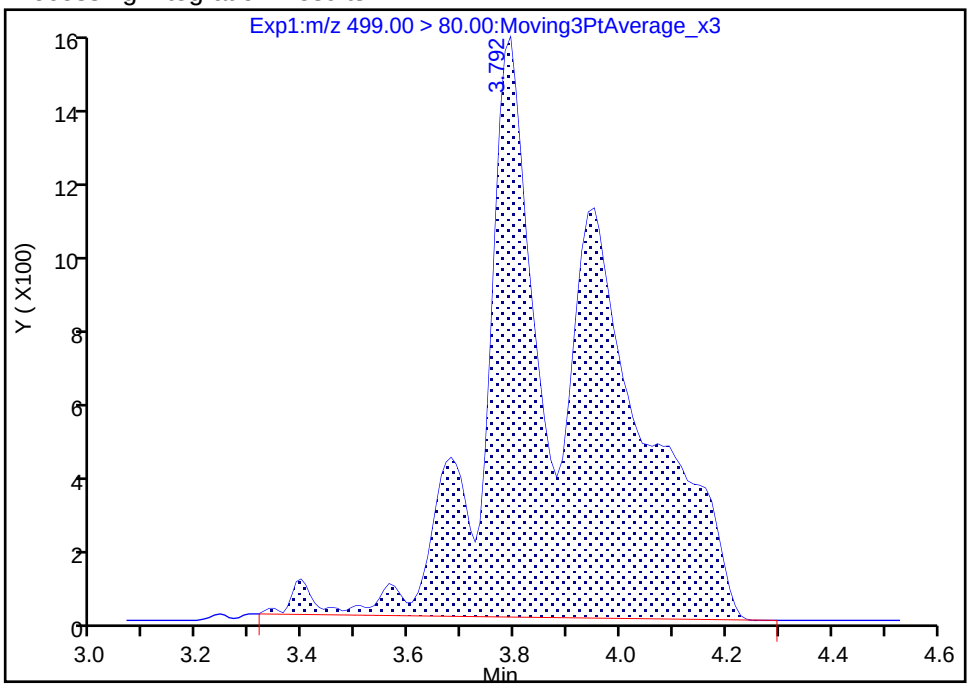
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B20.d				
Injection Date:	04-Aug-2022 16:36:42	Instrument ID:	LC812		
Lims ID:	460-262897-A-11-A	Lab Sample ID:	200-262897-11		
Client ID:	BCS-09-26 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

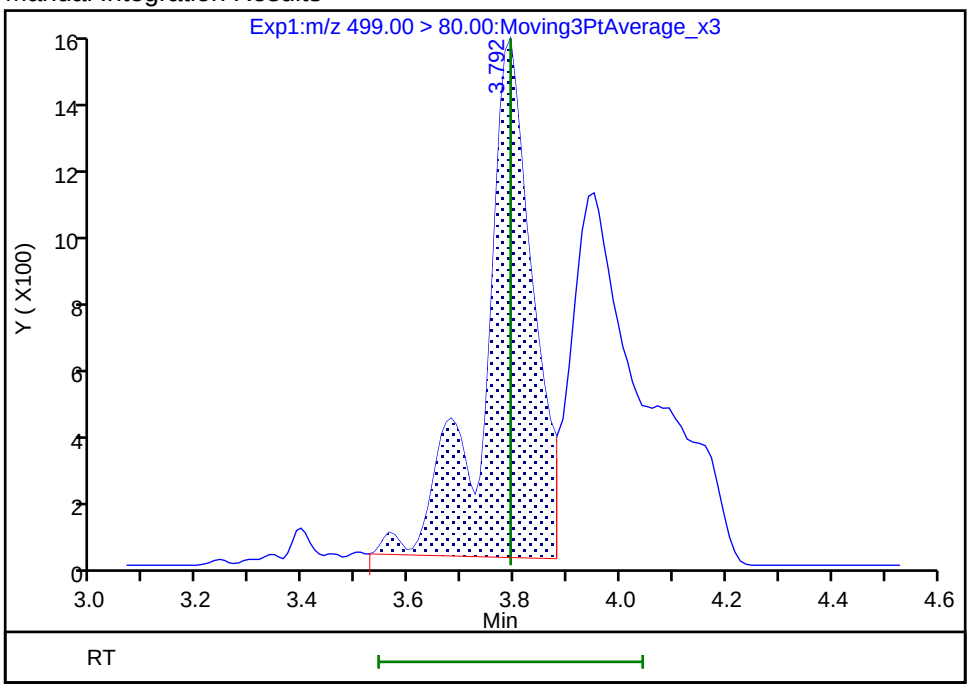
Processing Integration Results

RT: 3.79
Area: 21167
Amount: 0.020572
Amount Units: ng/ml



Manual Integration Results

RT: 3.79
Area: 9684
Amount: -0.000610
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:35:33

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

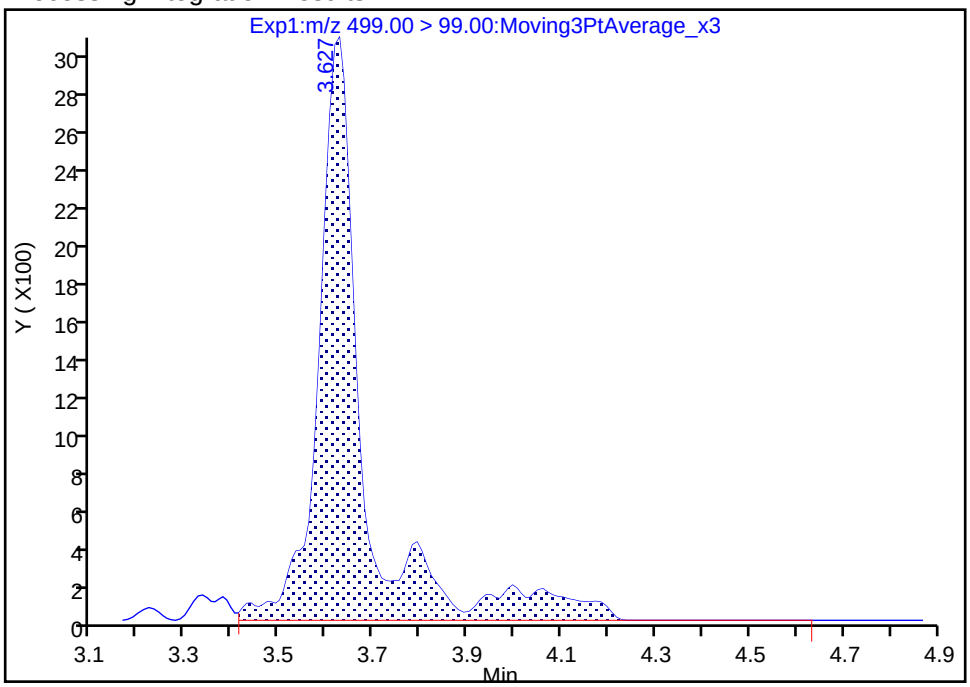
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B20.d				
Injection Date:	04-Aug-2022 16:36:42	Instrument ID:	LC812		
Lims ID:	460-262897-A-11-A	Lab Sample ID:	200-262897-11		
Client ID:	BCS-09-26 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

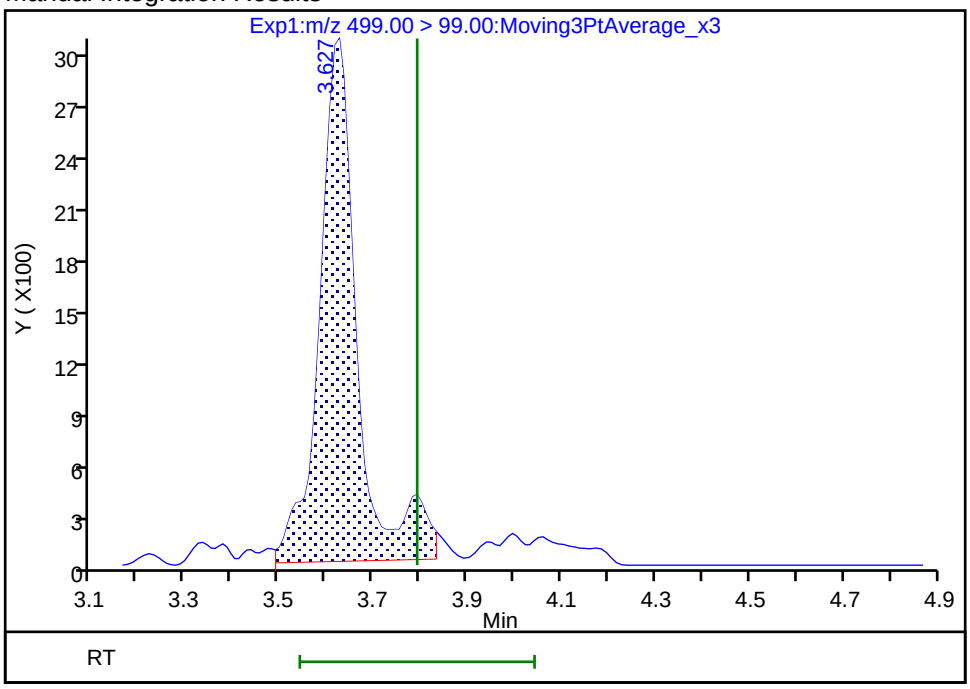
Processing Integration Results

RT: 3.63
Area: 20105
Amount: 0.020572
Amount Units: ng/ml



Manual Integration Results

RT: 3.63
Area: 16670
Amount: -0.000610
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:35:37

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

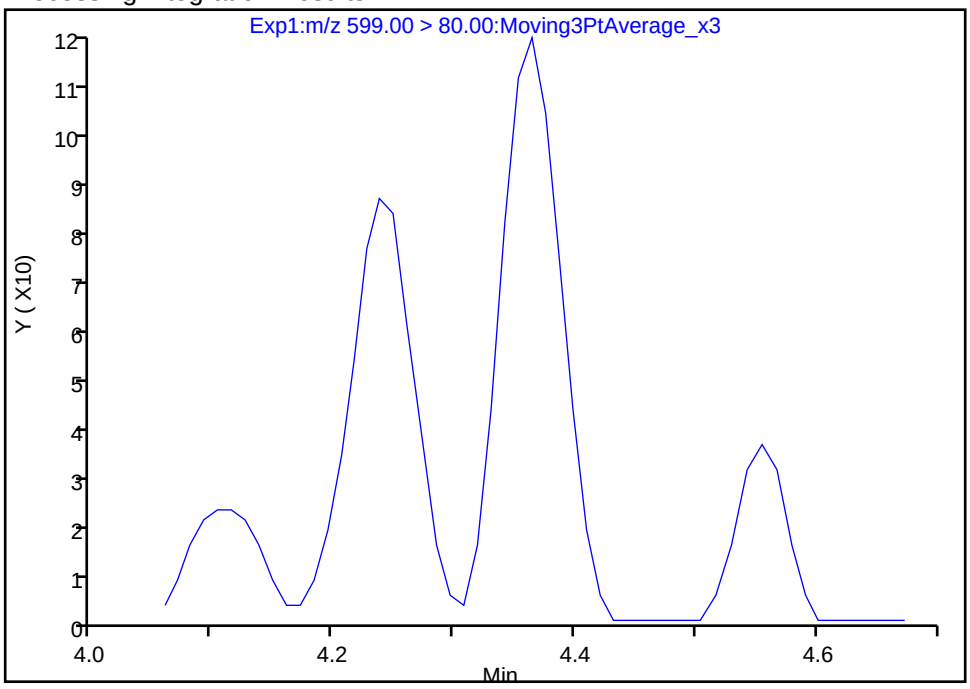
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B20.d				
Injection Date:	04-Aug-2022 16:36:42	Instrument ID:	LC812		
Lims ID:	460-262897-A-11-A	Lab Sample ID:	200-262897-11		
Client ID:	BCS-09-26 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

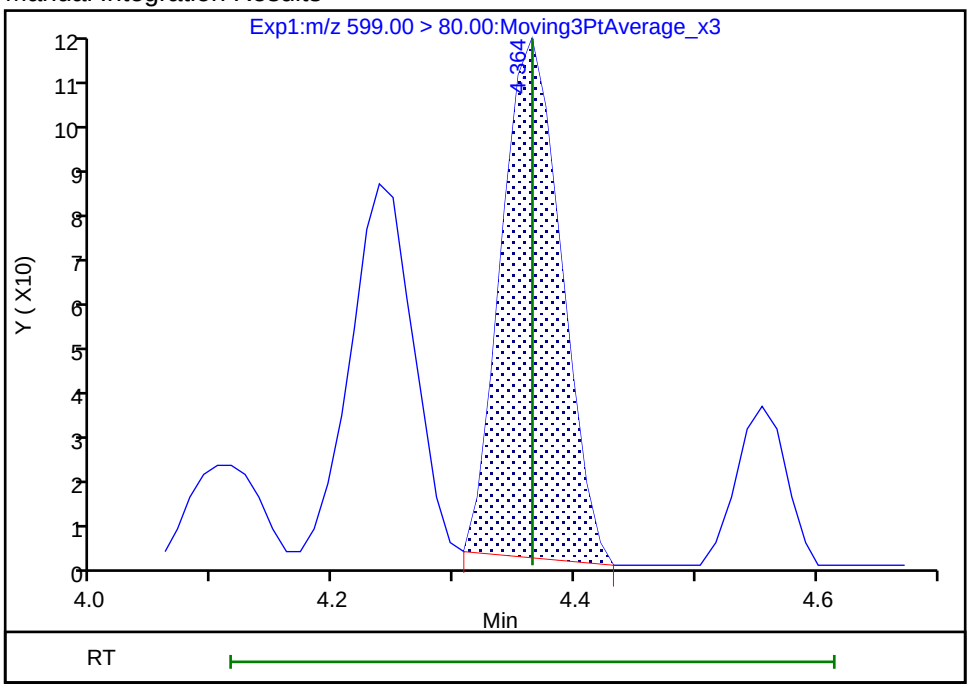
Not Detected
Expected RT: 4.36

Processing Integration Results



Manual Integration Results

RT: 4.36
Area: 395
Amount: 0.001244
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:37:05
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

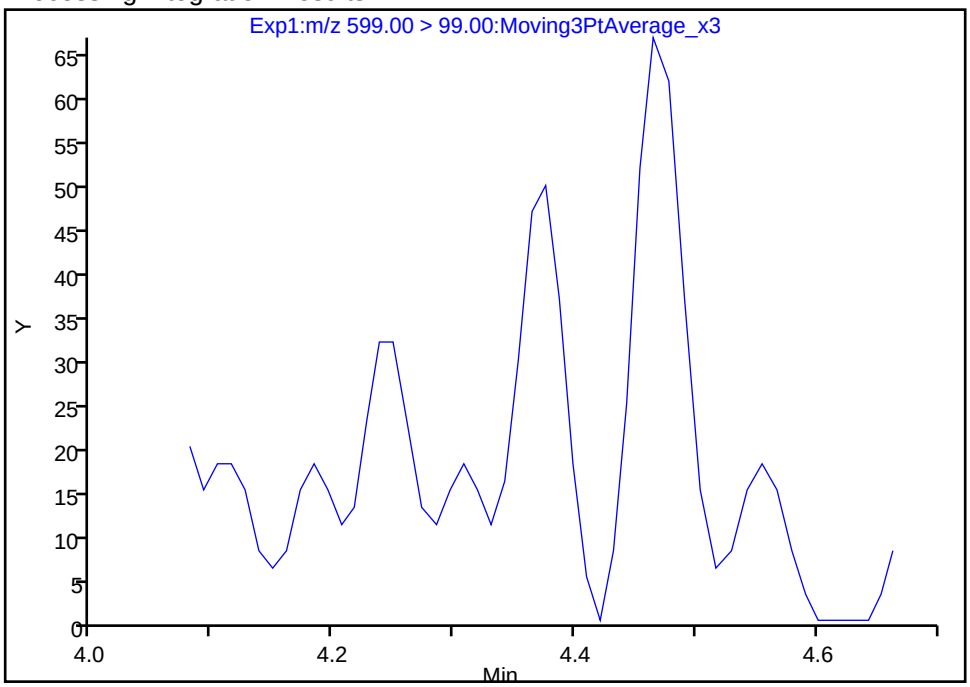
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B20.d				
Injection Date:	04-Aug-2022 16:36:42	Instrument ID:	LC812		
Lims ID:	460-262897-A-11-A	Lab Sample ID:	200-262897-11		
Client ID:	BCS-09-26 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

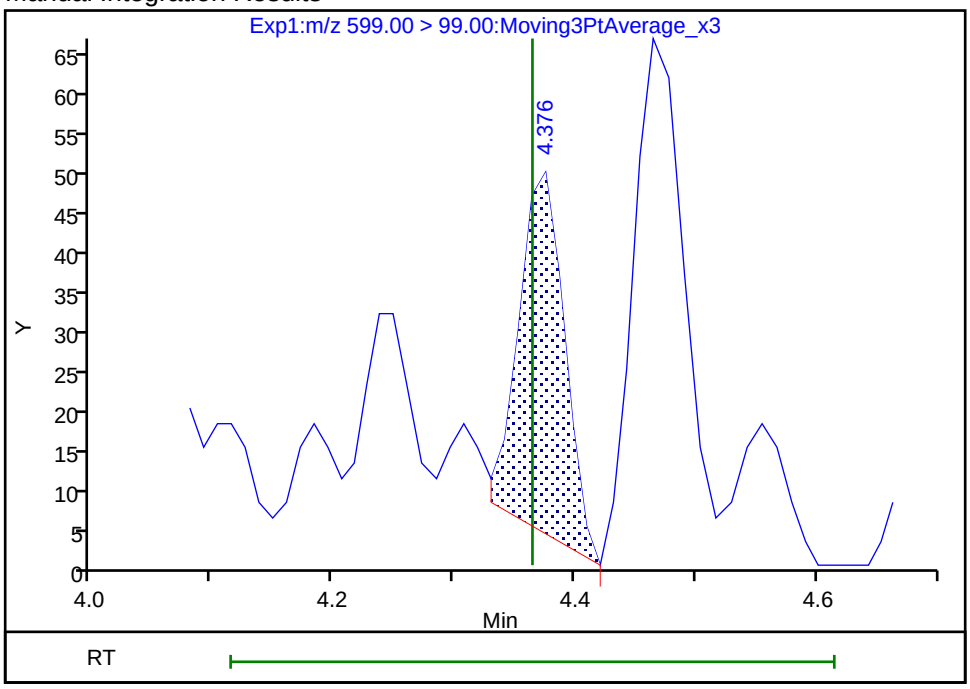
Processing Integration Results

Not Detected
Expected RT: 4.36



Manual Integration Results

RT: 4.38
Area: 119
Amount: 0.001244
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:37:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

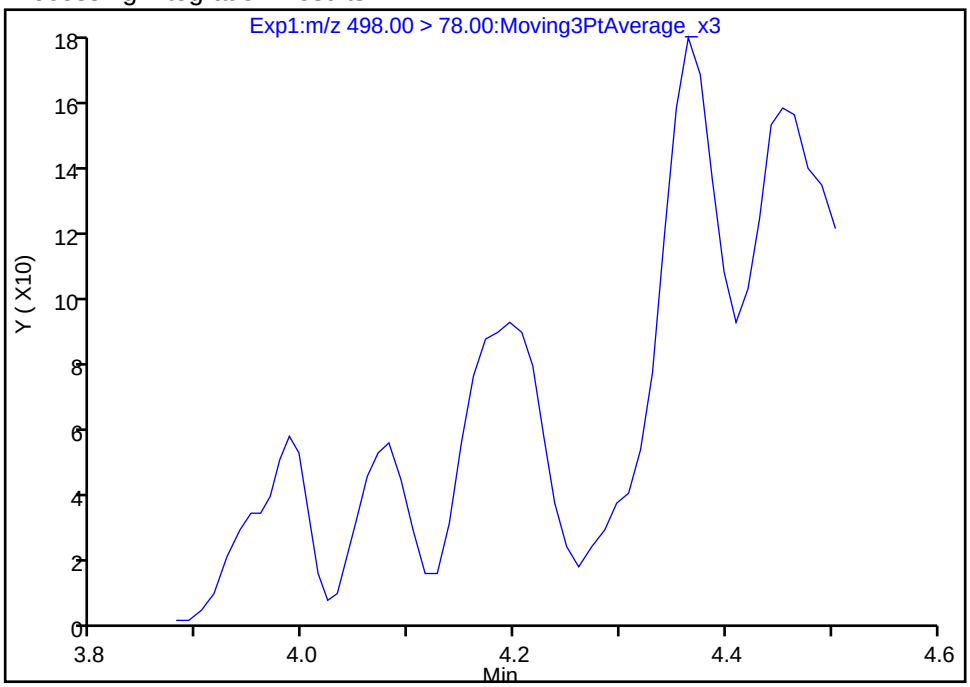
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B20.d				
Injection Date:	04-Aug-2022 16:36:42	Instrument ID:	LC812		
Lims ID:	460-262897-A-11-A	Lab Sample ID:	200-262897-11		
Client ID:	BCS-09-26 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

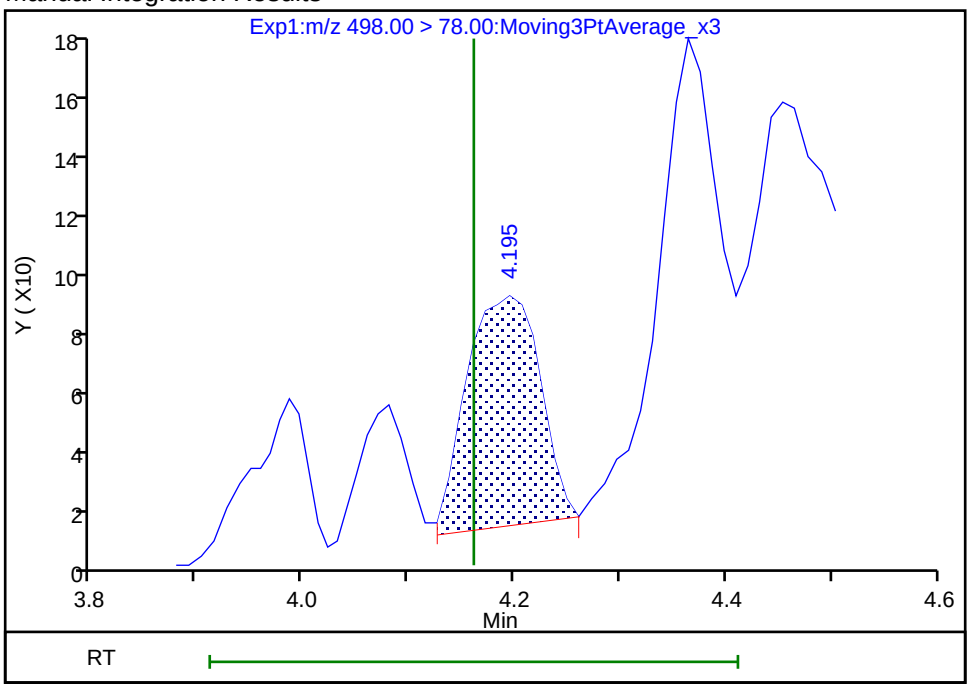
Not Detected
Expected RT: 4.16

Processing Integration Results



Manual Integration Results

RT: 4.20
Area: 365
Amount: 0.000438
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:36:54
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

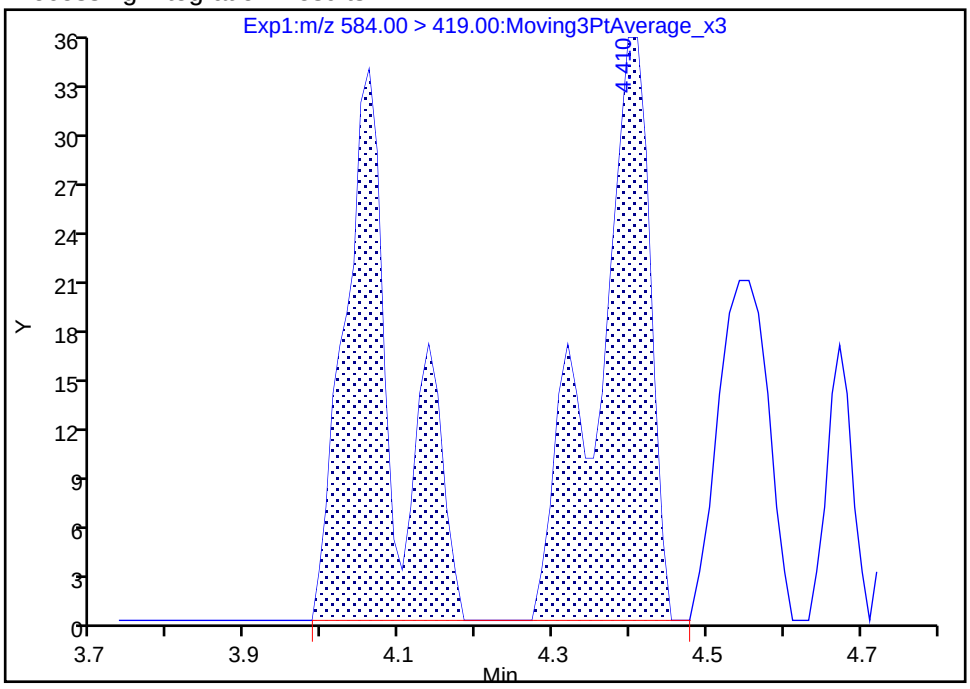
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B20.d				
Injection Date:	04-Aug-2022 16:36:42	Instrument ID:	LC812		
Lims ID:	460-262897-A-11-A	Lab Sample ID:	200-262897-11		
Client ID:	BCS-09-26 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

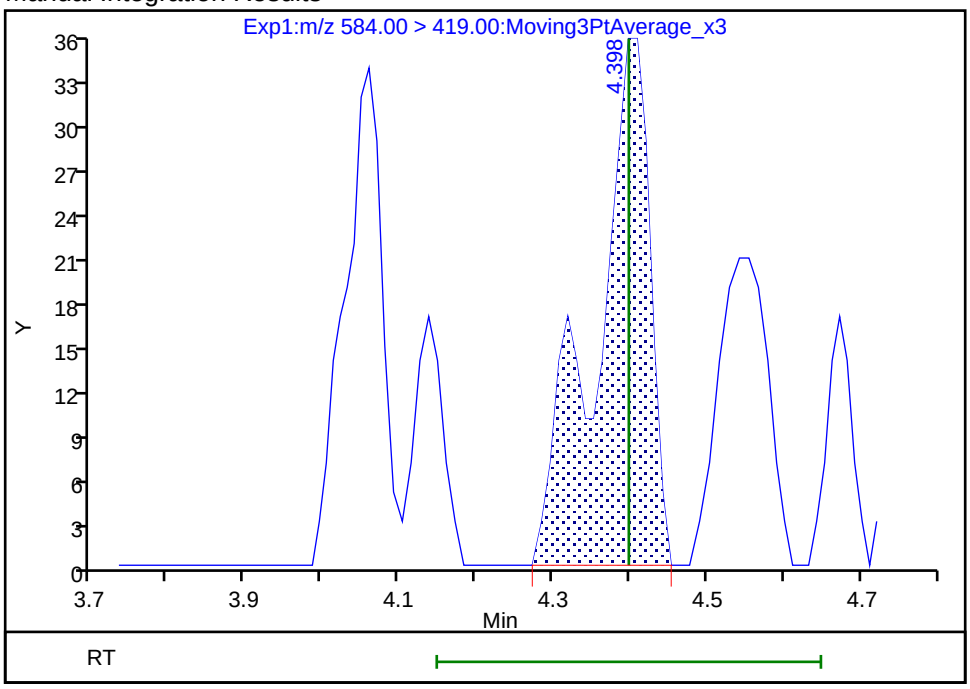
Processing Integration Results

RT: 4.41
Area: 336
Amount: 0.003363
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 176
Amount: 0.001762
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:37:27

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

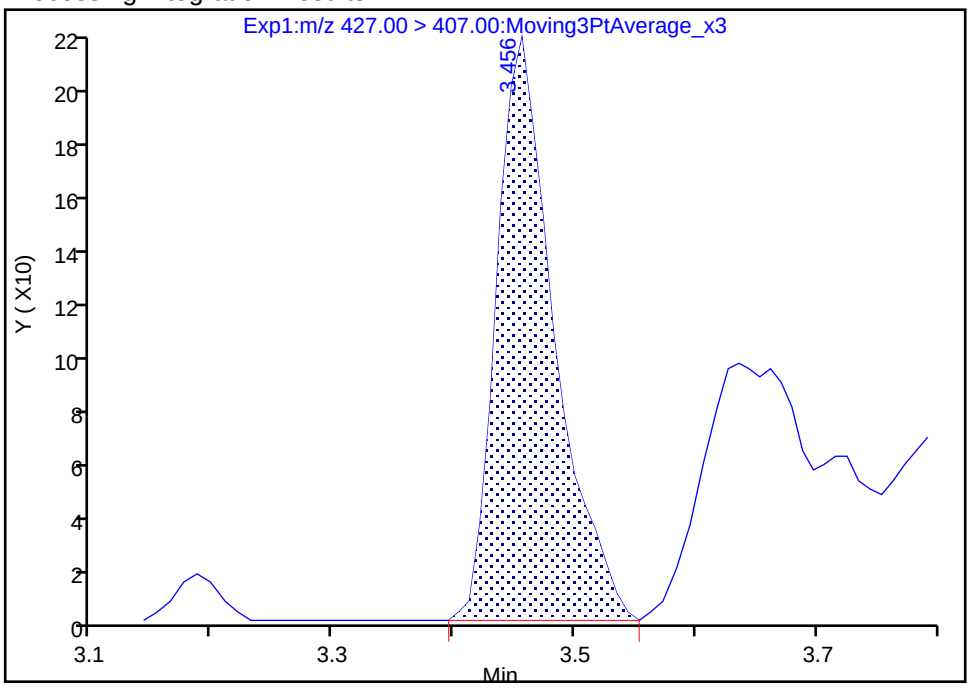
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B20.d				
Injection Date:	04-Aug-2022 16:36:42	Instrument ID:	LC812		
Lims ID:	460-262897-A-11-A	Lab Sample ID:	200-262897-11		
Client ID:	BCS-09-26 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

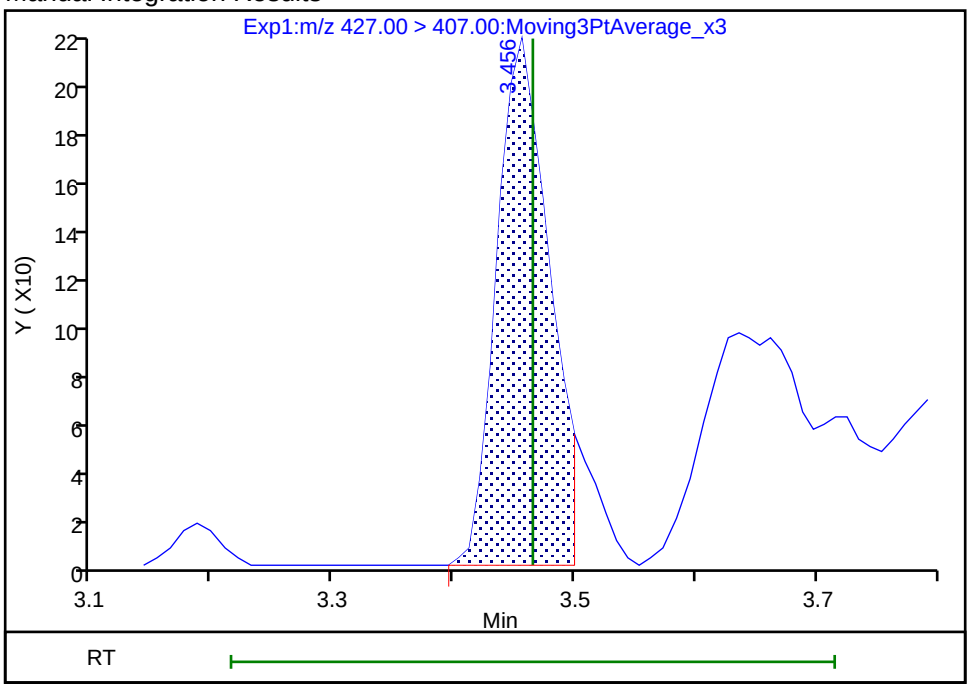
Processing Integration Results

RT: 3.46
Area: 709
Amount: -0.012580
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 638
Amount: -0.013004
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:34:20

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

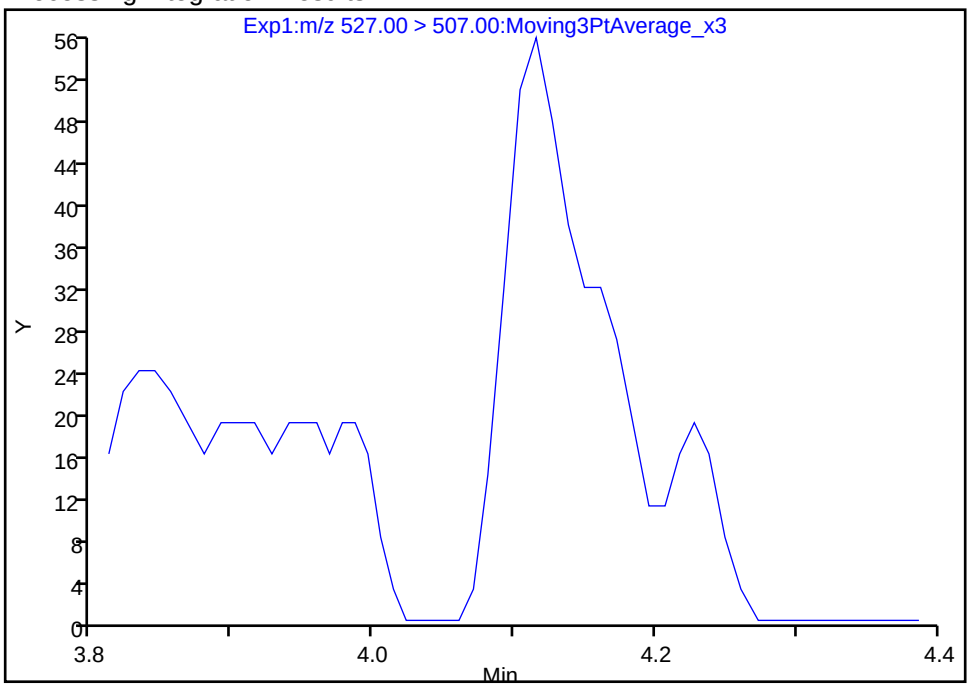
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B20.d				
Injection Date:	04-Aug-2022 16:36:42	Instrument ID:	LC812		
Lims ID:	460-262897-A-11-A	Lab Sample ID:	200-262897-11		
Client ID:	BCS-09-26 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

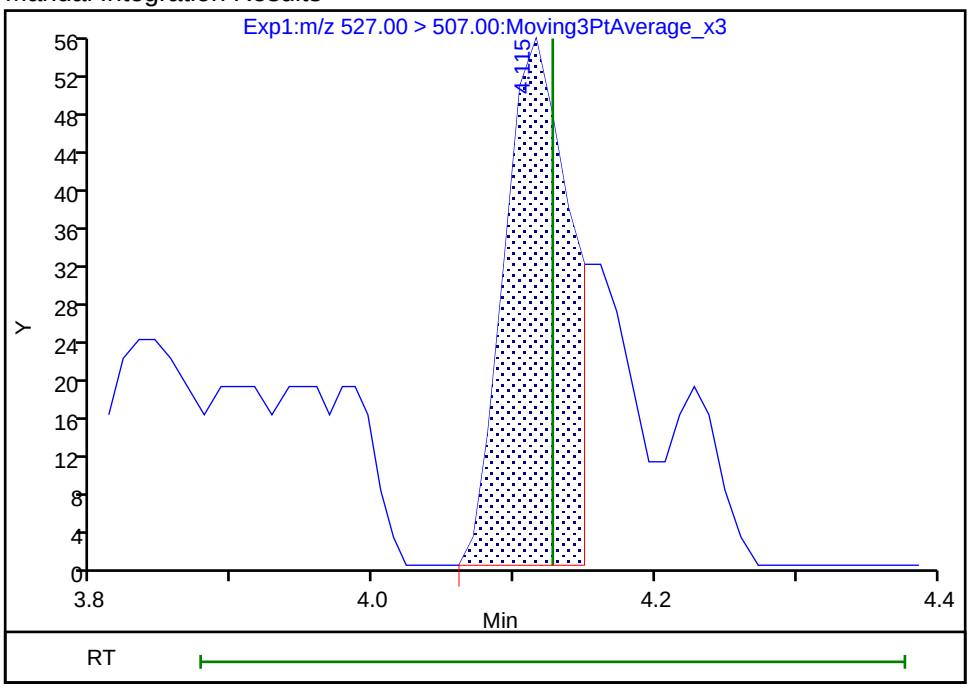
Not Detected
Expected RT: 4.13

Processing Integration Results



Manual Integration Results

RT: 4.12
Area: 176
Amount: 0.001262
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:36:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

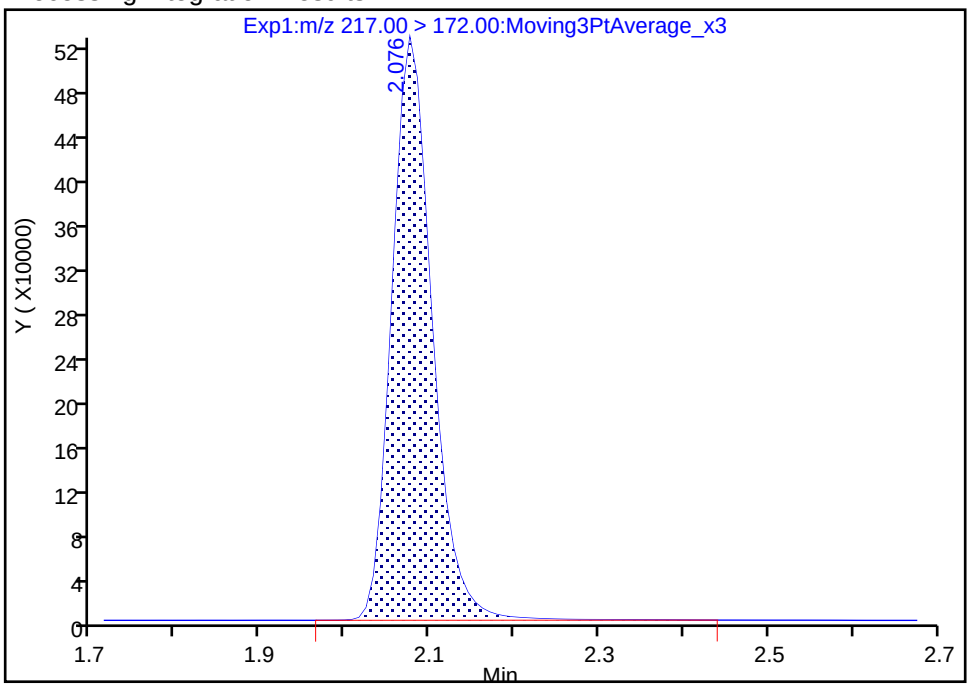
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B20.d				
Injection Date:	04-Aug-2022 16:36:42	Instrument ID:	LC812		
Lims ID:	460-262897-A-11-A	Lab Sample ID:	200-262897-11		
Client ID:	BCS-09-26 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

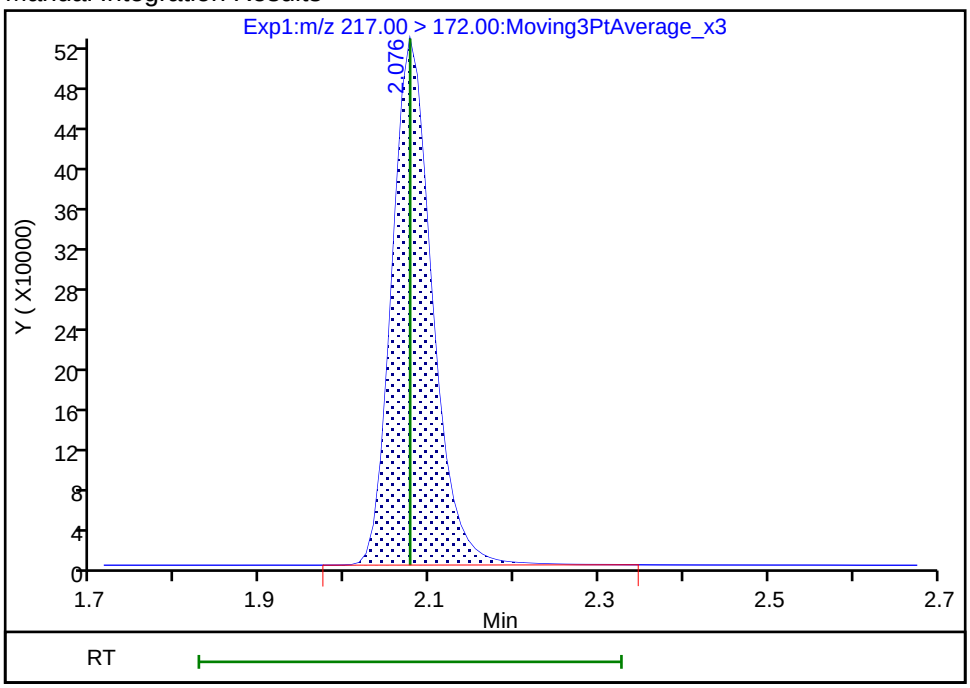
Processing Integration Results

RT: 2.08
Area: 1720615
Amount: 1.140195
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 1717100
Amount: 1.137866
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:50:05

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

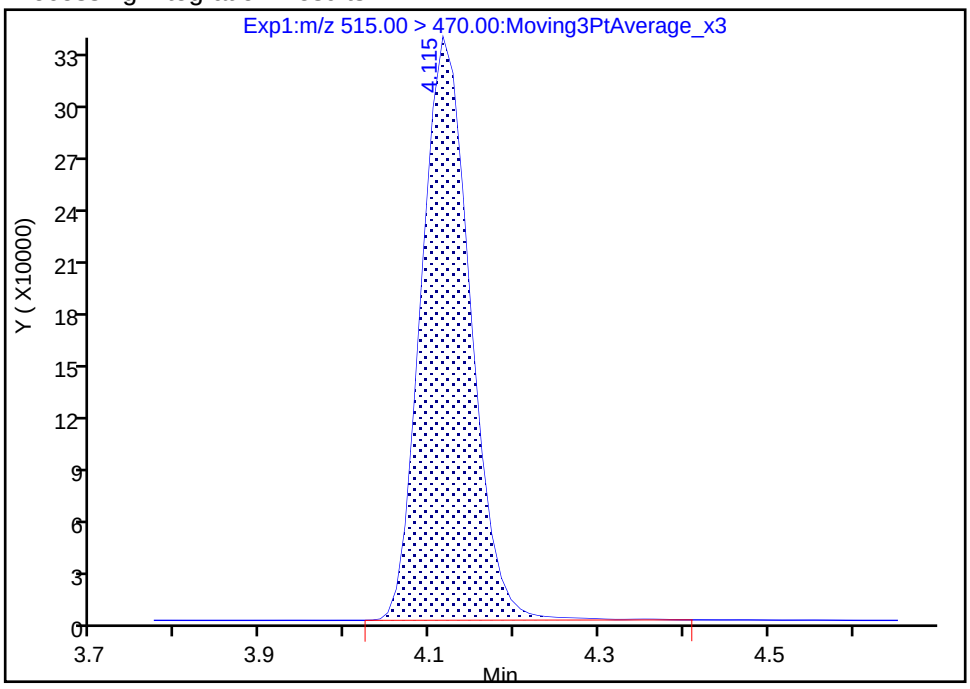
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Injection Date:	04-Aug-2022 16:36:42	Instrument ID:	LC812		
Lims ID:	460-262897-A-11-A	Lab Sample ID:	200-262897-11		
Client ID:	BCS-09-26 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

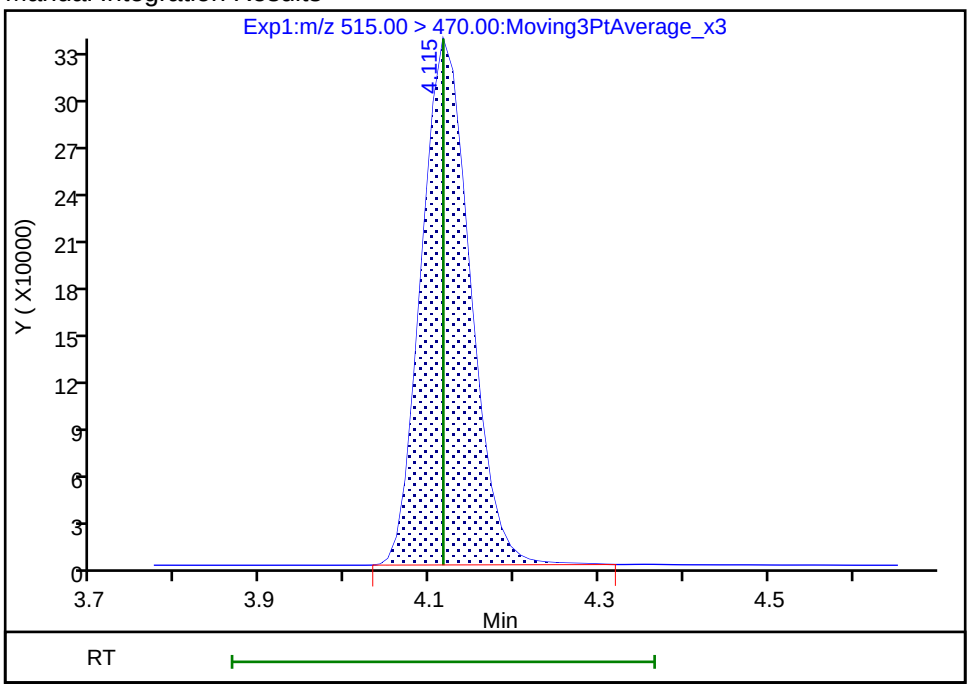
Processing Integration Results

RT: 4.12
Area: 1349949
Amount: 1.084757
Amount Units: ng/ml



Manual Integration Results

RT: 4.12
Area: 1346373
Amount: 1.081883
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:32:44

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

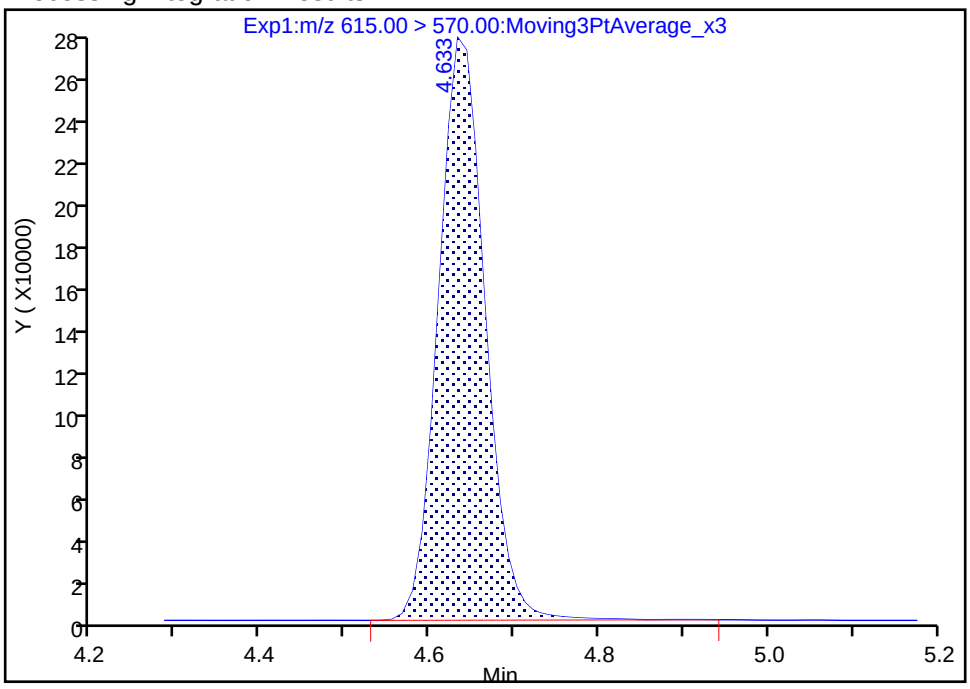
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B20.d				
Injection Date:	04-Aug-2022 16:36:42	Instrument ID:	LC812		
Lims ID:	460-262897-A-11-A	Lab Sample ID:	200-262897-11		
Client ID:	BCS-09-26 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 36 13C2 PFDoA, CAS: STL00998

Signal: 1

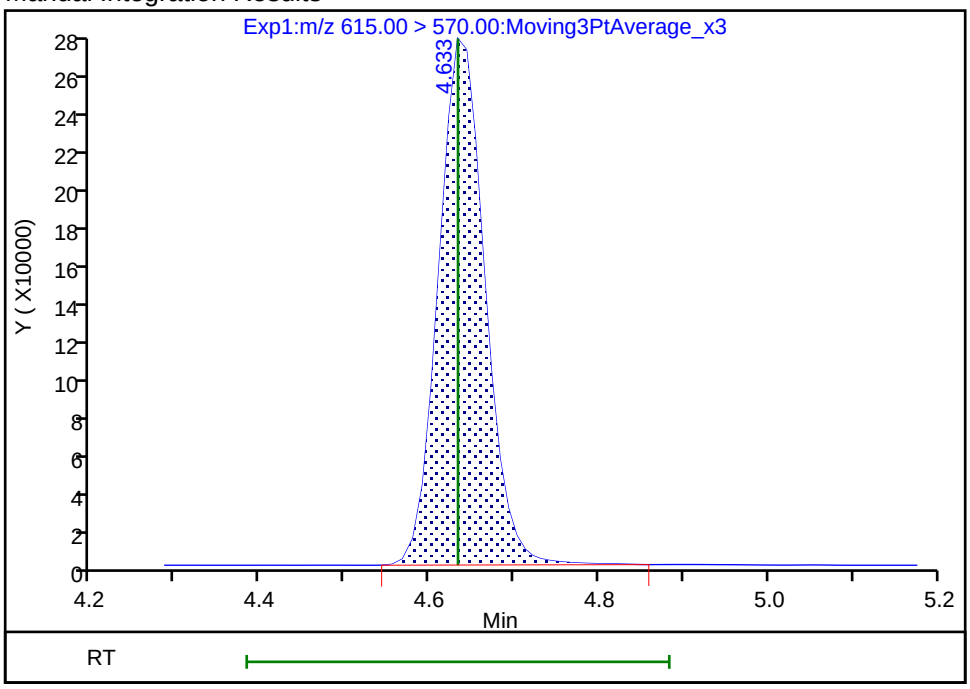
Processing Integration Results

RT: 4.63
Area: 1042688
Amount: 1.067147
Amount Units: ng/ml



Manual Integration Results

RT: 4.63
Area: 1041339
Amount: 1.065766
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:33:04

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

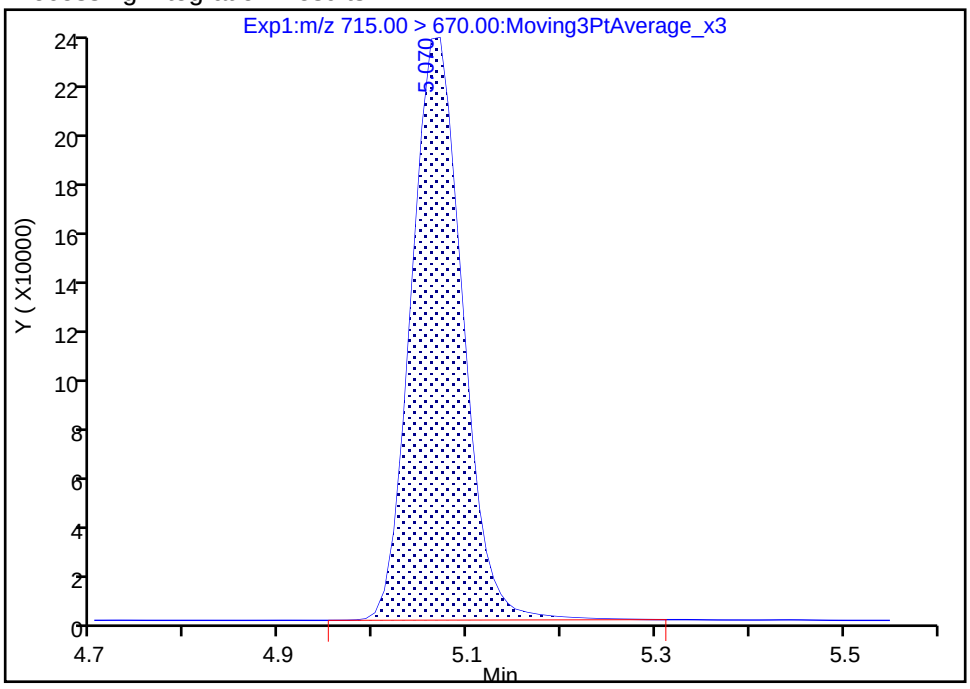
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B20.d				
Injection Date:	04-Aug-2022 16:36:42	Instrument ID:	LC812		
Lims ID:	460-262897-A-11-A	Lab Sample ID:	200-262897-11		
Client ID:	BCS-09-26 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

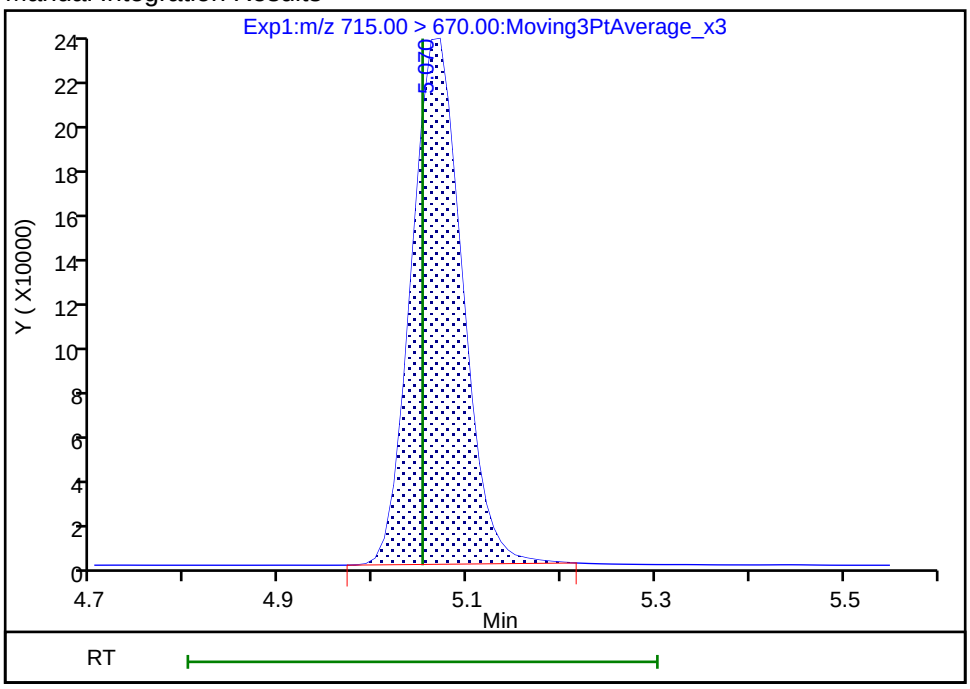
Processing Integration Results

RT: 5.07
Area: 878253
Amount: 1.099555
Amount Units: ng/ml



Manual Integration Results

RT: 5.07
Area: 870810
Amount: 1.090236
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:50:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

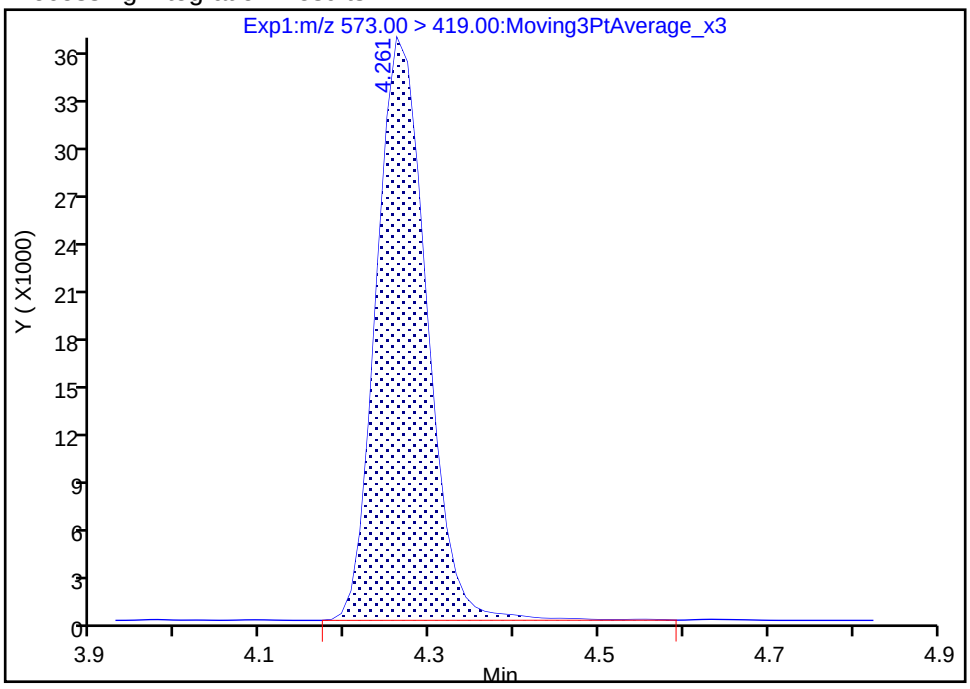
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B20.d				
Injection Date:	04-Aug-2022 16:36:42	Instrument ID:	LC812		
Lims ID:	460-262897-A-11-A	Lab Sample ID:	200-262897-11		
Client ID:	BCS-09-26 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

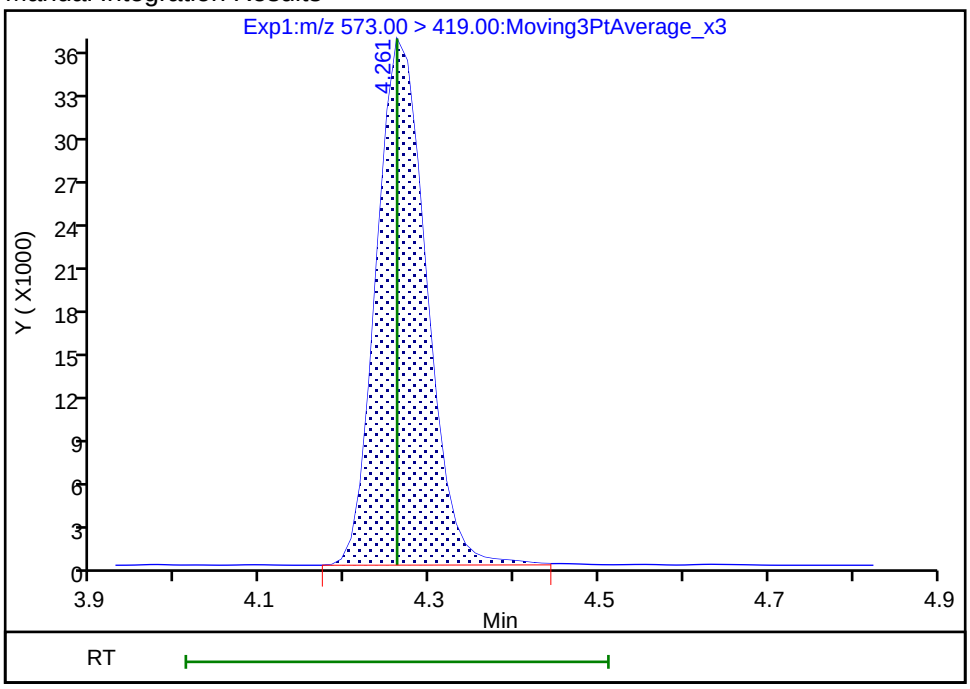
Processing Integration Results

RT: 4.26
Area: 152242
Amount: 0.912730
Amount Units: ng/ml



Manual Integration Results

RT: 4.26
Area: 151666
Amount: 0.909277
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:32:54

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 460-262897-1

SDG No.:

Client Sample ID: BCS-09-27 (5-5.5)P | Lab Sample ID: 460-262897-12

Matrix: Solid | Lab File ID: PA220804B21.d

Analysis Method: 537 (modified) | Date Collected: 07/29/2022 13:00

Extraction Method: SHAKE | Date Extracted: 08/03/2022 11:39

Sample wt/vol: 5.15(g) | Date Analyzed: 08/04/2022 16:44

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

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

% Moisture: 5.0 % Solids: 95.0 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 182375 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.51	U	0.51	0.34
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.056
307-24-4	Perfluorohexanoic acid (PFHxA)	0.092	J	0.20	0.047
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.040
335-67-1	Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.059
375-95-1	Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.035
335-76-2	Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.029
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.028
307-55-1	Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.026
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.20	U	0.20	0.026
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.20	U	0.20	0.027
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.034
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.042
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.024
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.11
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.060	J	0.20	0.019
754-91-6	Perfluorooctanesulfonamide (FOSA)	0.20	U	0.20	0.035
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.04	U	2.04	0.11
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.04	U	2.04	0.085
27619-97-2	6:2 FTS	2.04	U	2.04	0.058
39108-34-4	8:2 FTS	2.04	U	2.04	0.038

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 460-262897-1

SDG No.:

Client Sample ID: BCS-09-27 (5-5.5)P | Lab Sample ID: 460-262897-12

Matrix: Solid | Lab File ID: PA220804B21.d

Analysis Method: 537 (modified) | Date Collected: 07/29/2022 13:00

Extraction Method: SHAKE | Date Extracted: 08/03/2022 11:39

Sample wt/vol: 5.15(g) | Date Analyzed: 08/04/2022 16:44

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

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

% Moisture: 5.0 % Solids: 95.0 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 182375 | Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL00994	18O2 PFHxS	79		50-150
STL01892	13C4 PFHpA	93		50-150
STL00990	13C4 PFOA	94		50-150
STL00991	13C4 PFOS	78		50-150
STL00995	13C5 PFNA	92		50-150
STL00992	13C4 PFBA	93		50-150
STL00993	13C2 PFHxA	92		50-150
STL00996	13C2 PFDA	90		50-150
STL00997	13C2 PFUnA	92		50-150
STL00998	13C2 PFDoA	92		50-150
STL01056	13C8 FOSA	78		50-150
STL01893	13C5 PFPeA	96		50-150
STL02116	13C2 PFTeDA	96		50-150
STL02118	d3-NMeFOSAA	74		50-150
STL02117	d5-NEtFOSAA	74		50-150
STL02279	M2-6:2 FTS	77		50-150
STL02280	M2-8:2 FTS	79		50-150
STL02337	13C3 PFBS	79		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B21.d
Lims ID: 460-262897-A-12-A
Client ID: BCS-09-27 (5-5.5)P
Sample Type: Client
Inject. Date: 04-Aug-2022 16:44:54 ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: 460-262897-A-12-A
Misc. Info.: 200-0051959-021 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 05-Aug-2022 12:54:43 Calib Date: 03-Aug-2022 13:41:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1640

First Level Reviewer: nampitakw Date: 05-Aug-2022 12:43:40
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.076	2.076	0.0	0.599	1780921	1.17		93.5	9026	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.094	2.085	0.009	1.008	24487	0.0177			3.9	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.373	2.400	-0.027	0.685	1406288	1.20		95.9	2509	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.387	2.400	-0.013	1.006	29468	0.0254			0.9	M
D 47 13C3 PFBS										
301.90 > 80.00	2.400	2.413	-0.013	0.693	1253621	0.9240		79.5	78671	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.400	2.413	-0.013	1.000	2709	0.002276	Target=2.23		2.6	
298.90 > 99.00	2.400	2.413	-0.013	1.000	1109		2.44(1.11-3.34)		0.3	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.738	2.750	-0.012	1.004	50853	0.0452	Target=12.24		8.1	M
313.00 > 119.00	2.738	2.750	-0.012	1.004	5117		9.94(6.12-18.36)		7.0	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.725	2.750	-0.025	0.787	1347313	1.15		92.1	3167	
D 11 18O2 PFHxS										
403.00 > 84.00	3.099	3.110	-0.011	0.894	894012	0.9369		79.2	2385	
8 Perfluorohexanesulfonic acid										RM
399.00 > 80.00	3.099	3.110	-0.011	1.000	4062	0.004871	Target=3.43		6.7	RM
399.00 > 99.00	3.121	3.110	0.011	1.007	2534		1.60(1.72-5.15)		1.7	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.110	3.121	-0.011	0.897	1413130	1.16		93.1	1942	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.110	3.121	-0.011	1.000	13503	0.0116	Target=3.73		3.5	M
363.00 > 169.00	3.110	3.121	-0.011	1.000	3937		3.43(1.86-5.59)		9.8	

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	3.456	3.465	-0.009	0.997	145288	0.9097		76.6	297	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.465	3.465	0.0	1.003	1403	-0.008939			6.4	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.465	3.474	-0.009	1.000	34235	0.0262	Target=2.67		3.9	M
413.00 > 169.00	3.465	3.474	-0.009	1.000	10352		3.31(1.34-4.01)		18.6	M
D 14 13C4 PFOA										M
417.00 > 372.00	3.465	3.474	-0.009	1.000	1458045	1.17		93.7	2006	M
* 62 13C2 PFOA										M
415.00 > 370.00	3.465	3.474	-0.009		1632820	1.25			3100	M
17 Perfluorooctanesulfonic acid										RM
499.00 > 80.00	3.783	3.792	-0.009	1.000	10440	0.000416	Target=4.88		5.2	RM
499.00 > 99.00	3.618	3.792	-0.174	0.956	9456		1.10(2.44-7.32)		17.8	M
D 18 13C4 PFOS										M
503.00 > 80.00	3.783	3.792	-0.009	1.092	663851	0.9317		78.0	1558	M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.802	3.812	-0.010	1.000	6327	0.005253	Target=8.23		1.7	M
463.00 > 169.00	3.812	3.812	0.0	1.003	724		8.74(4.11-12.34)		7.5	M
D 19 13C5 PFNA										M
468.00 > 423.00	3.802	3.812	-0.010	1.097	1479726	1.15		91.6	3688	M
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.116	4.116	0.0	1.000	7812	0.006549	Target=9.67		5.0	M
513.00 > 169.00	4.093	4.116	-0.023	0.994	636		12.28(4.83-14.50)		2.9	M
D 23 13C2 PFDA										M
515.00 > 470.00	4.116	4.116	0.0	1.188	1417836	1.13		90.2	2491	M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.138	4.127	0.011	1.003	345	0.002365			9.6	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.127	4.127	0.0	1.191	180876	0.9413		78.6	479	
D 21 13C8 FOSA										M
506.00 > 78.00	4.150	4.161	-0.011	1.198	1071561	0.9739		77.9	1778	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.150	4.161	-0.011	1.000	855	0.000979			5.8	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.273	4.261	0.012	1.003	183	0.001649			1.2	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.261	4.261	0.0	1.230	156240	0.9272		74.2	1238	
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.365	4.365	0.0	1.154	9443	0.0292	Target=2.80		12.7	M
599.00 > 99.00	4.353	4.365	-0.012	1.151	3588		2.63(1.40-4.20)		12.1	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.387	4.387	0.0	1.266	1094108	1.15		91.9	2058	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.410	4.399	0.011	1.003	913	0.008549			12.2	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.399	4.399	0.0	1.269	147039	0.9219		73.8	678	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 36 13C2 PFDoA										M
615.00 > 570.00	4.633	4.633	0.0	1.337	1130862	1.15		91.7	1284	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.633	4.633	0.0	1.000	2163	0.002358	Target=6.97		0.6	M
613.00 > 169.00	4.622	4.633	-0.011	0.998	324		6.68(3.48-10.45)		5.3	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.859	4.859	0.0	1.049	670	0.000842	Target=4.56		0.2	M
663.00 > 169.00	4.848	4.859	-0.011	1.046	203		3.30(2.28-6.84)		2.4	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.062	5.052	0.010	1.461	964109	1.19		95.6	3417	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.070	5.052	0.018	1.002	234	0.001894	Target=0.94		5.7	M
713.00 > 219.00	5.052	5.052	0.0	0.998	255		0.92(0.47-1.41)		6.5	M

QC Flag Legend

Processing Flags
R - Failed Signal Ratio Test
Review Flags
M - Manually Integrated

Report Date: 05-Aug-2022 12:55:14 Chrom Revision: 2.3 04-Aug-2022 18:02:28

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B21.d

Injection Date: 04-Aug-2022 16:44:54 Instrument ID: LC812

Lims ID: 460-262897-A-12-A Lab Sample ID: 200-262897-12

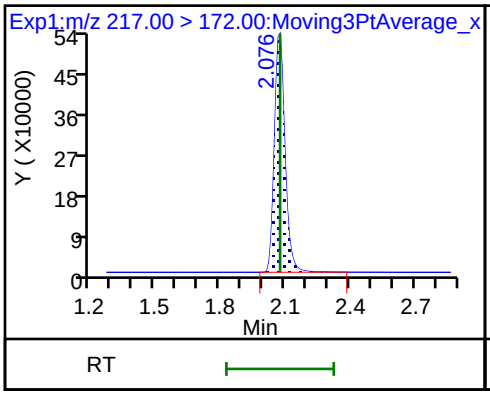
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Operator ID: lc812tech ALS Bottle#: 21 Worklist Smp#: 21

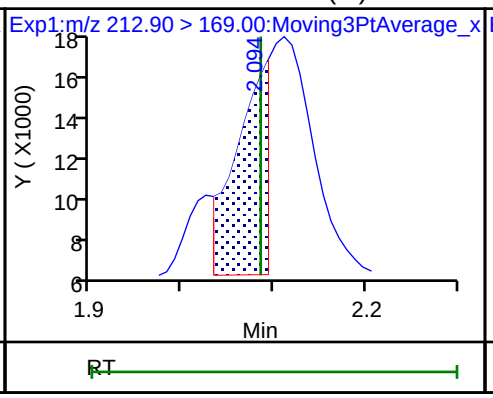
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

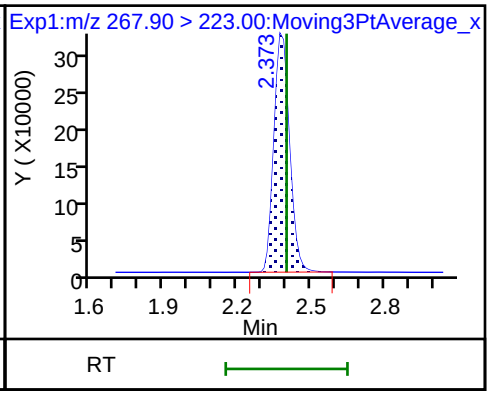
D 1 13C4 PFBA



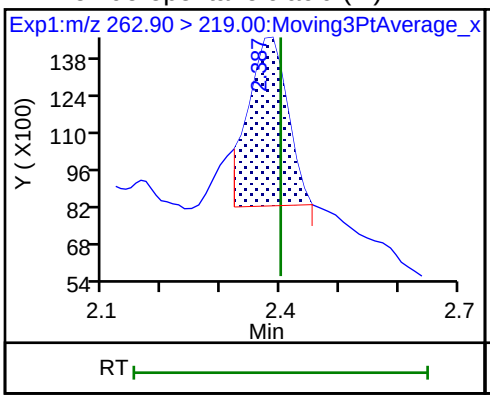
2 Perfluorobutanoic acid (M)



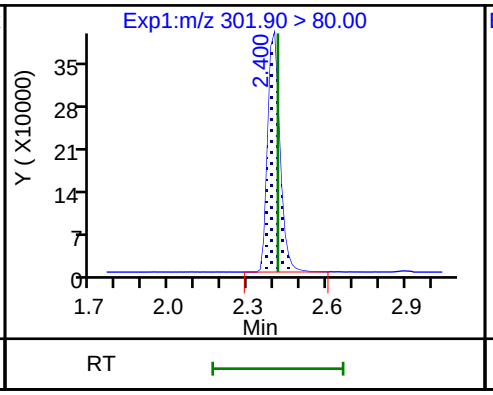
D 3 13C5 PFPeA



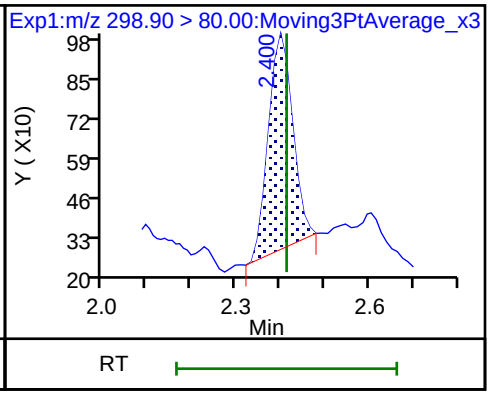
4 Perfluoropentanoic acid (M)



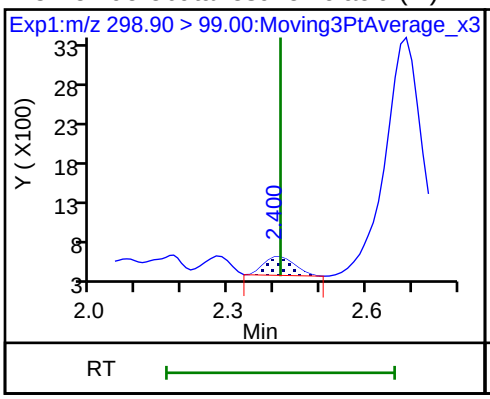
D 47 13C3 PFBS



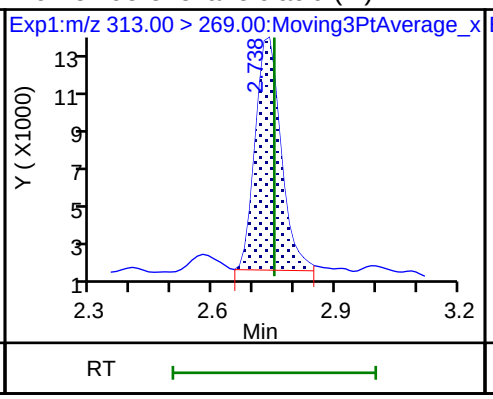
5 Perfluorobutanesulfonic acid



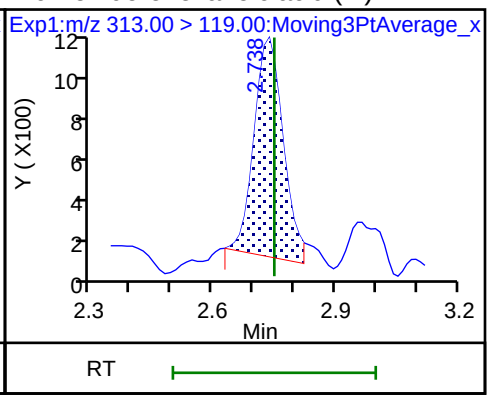
5 Perfluorobutanesulfonic acid (M)



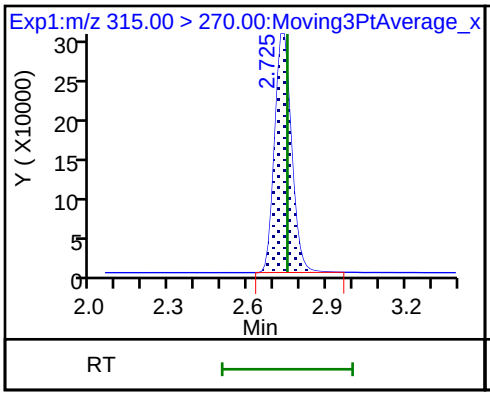
6 Perfluorohexanoic acid (M)



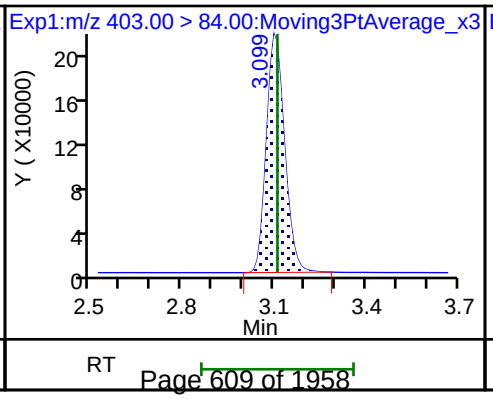
6 Perfluorohexanoic acid (M)



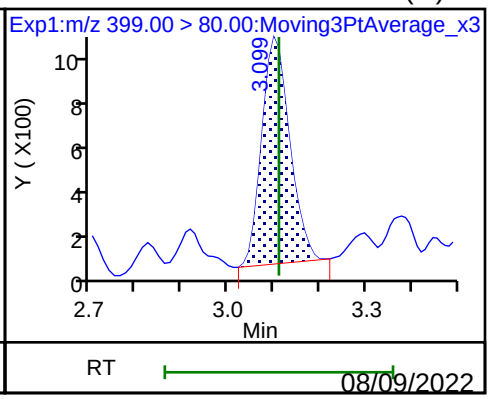
D 7 13C2 PFHxA



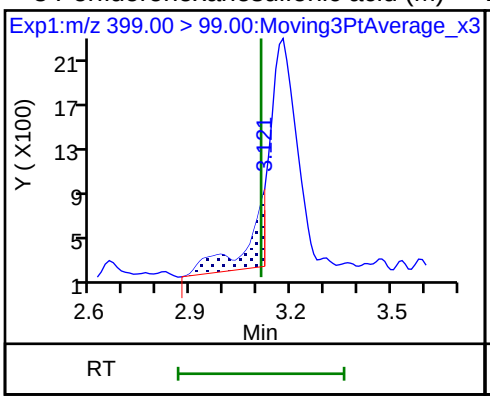
D 11 18O2 PFHxS



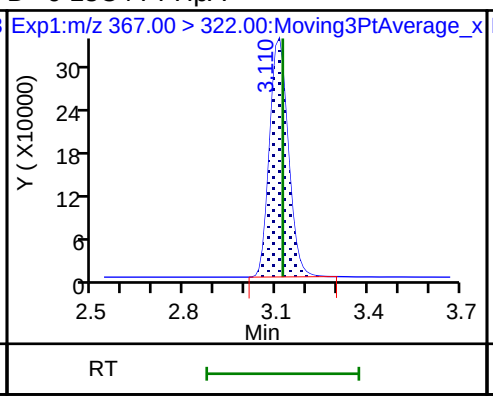
8 Perfluorohexanesulfonic acid (M)



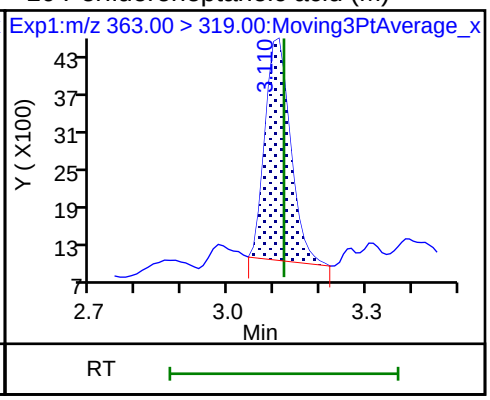
8 Perfluorohexanesulfonic acid (M)



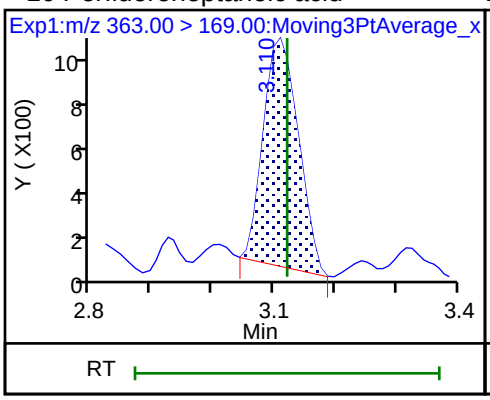
D 9 13C4 PFHpA



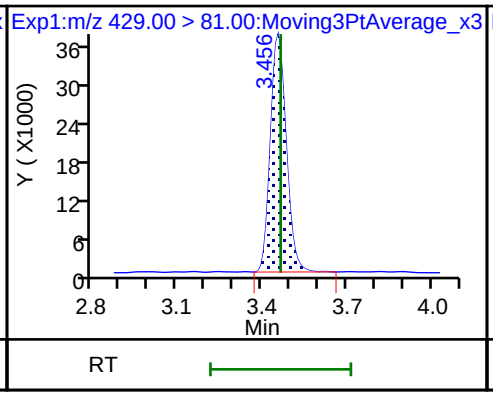
10 Perfluoroheptanoic acid (M)



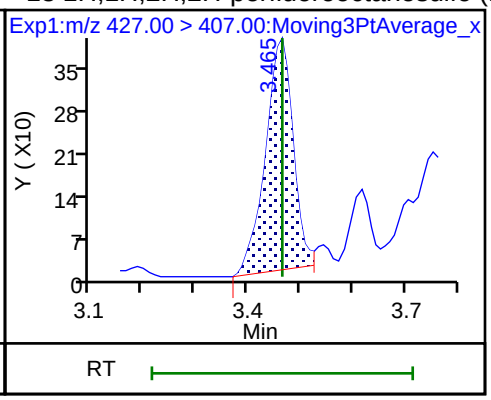
10 Perfluoroheptanoic acid



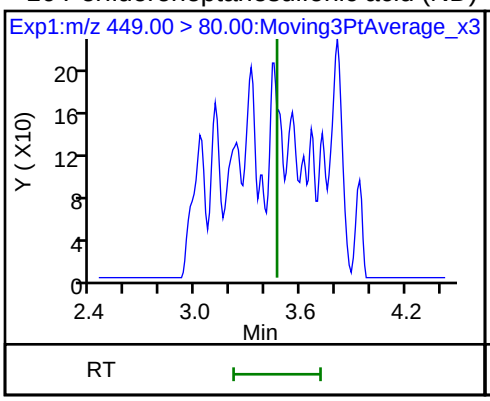
D 12 M2-6:2 FTS



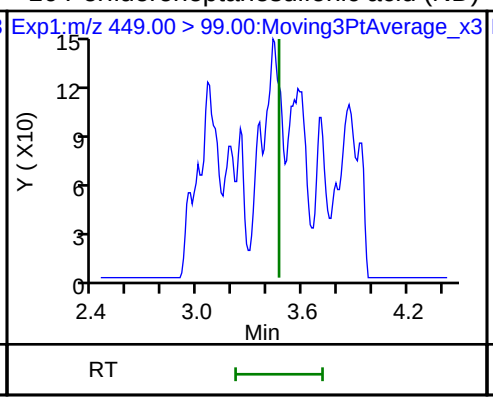
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



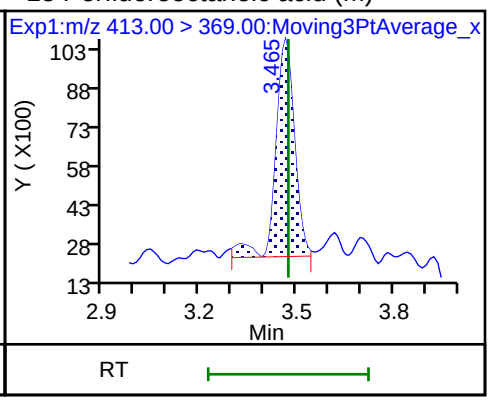
16 Perfluoroheptanesulfonic acid (ND)



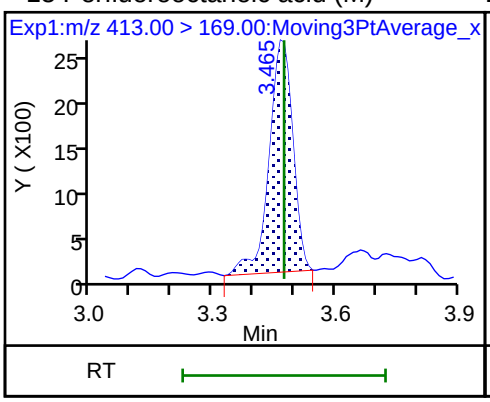
16 Perfluoroheptanesulfonic acid (ND)



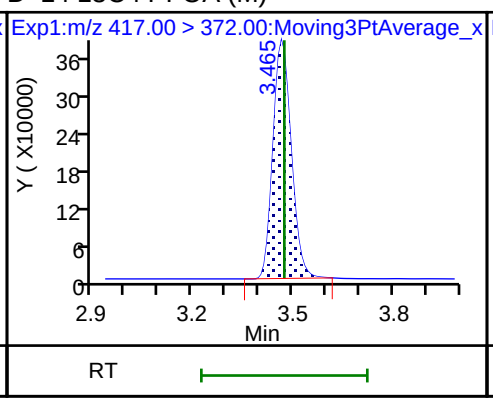
15 Perfluorooctanoic acid (M)



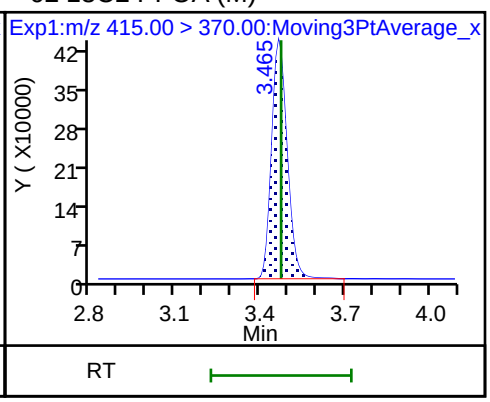
15 Perfluorooctanoic acid (M)



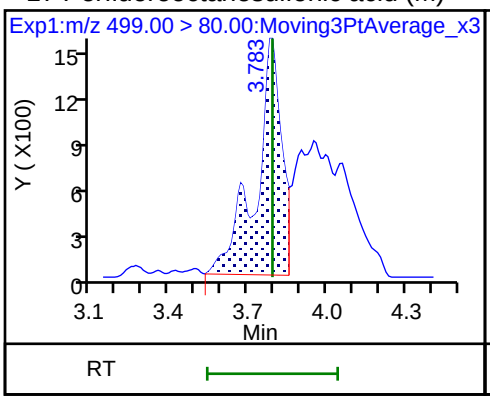
D 14 13C4 PFOA (M)



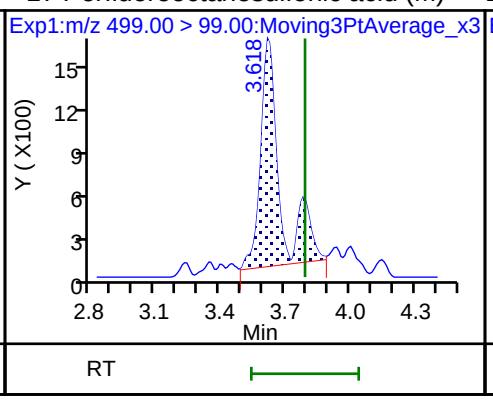
* 62 13C2 PFOA (M)



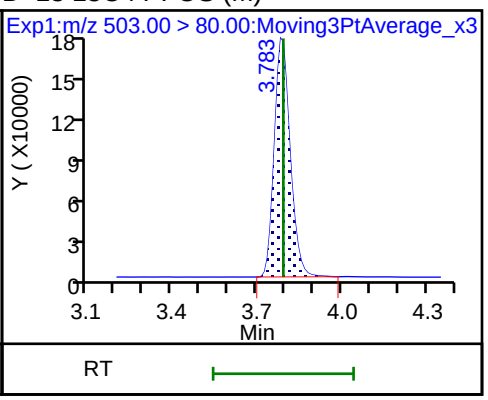
17 Perfluorooctanesulfonic acid (M)



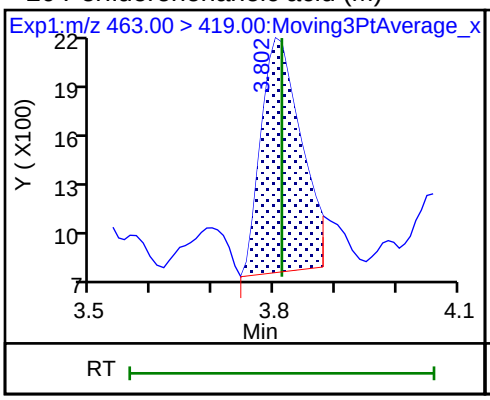
17 Perfluorooctanesulfonic acid (M)



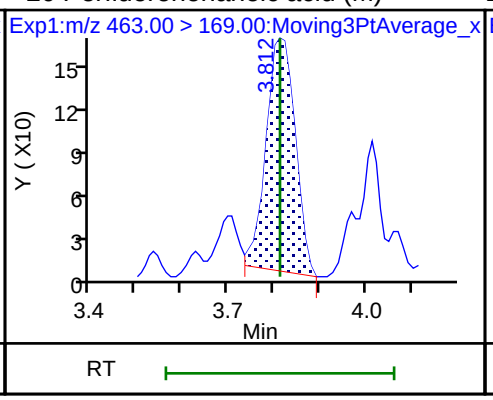
D 18 13C4 PFOS (M)



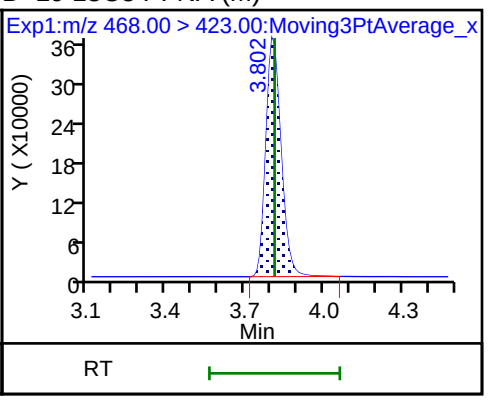
20 Perfluorononanoic acid (M)



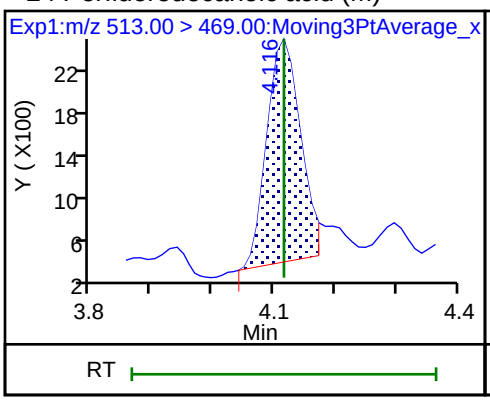
20 Perfluorononanoic acid (M)



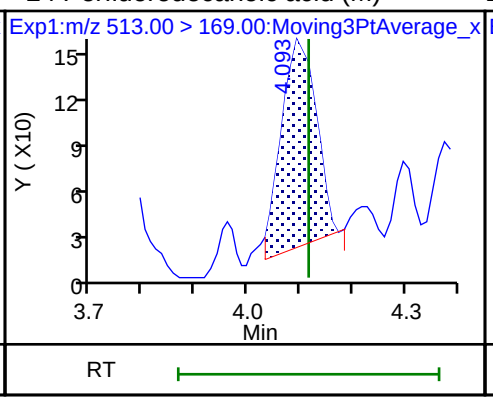
D 19 13C5 PFNA (M)



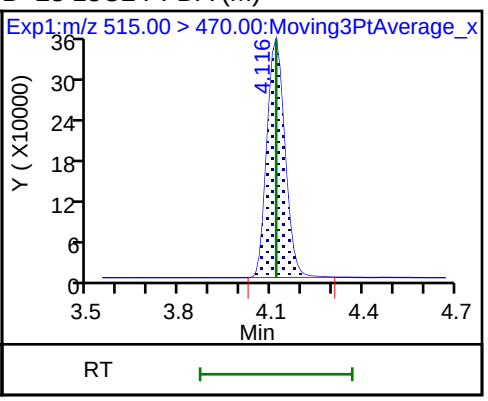
24 Perfluorodecanoic acid (M)



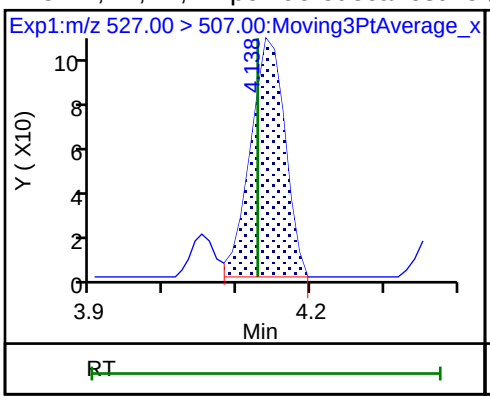
24 Perfluorodecanoic acid (M)



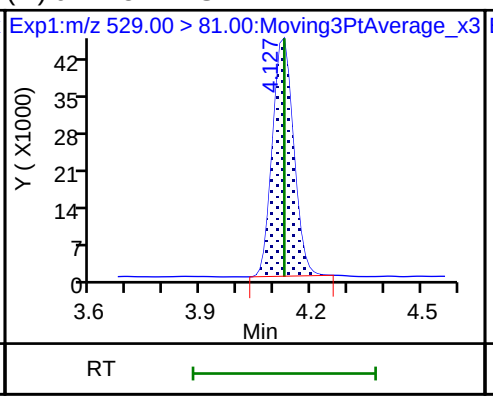
D 23 13C2 PFDA (M)



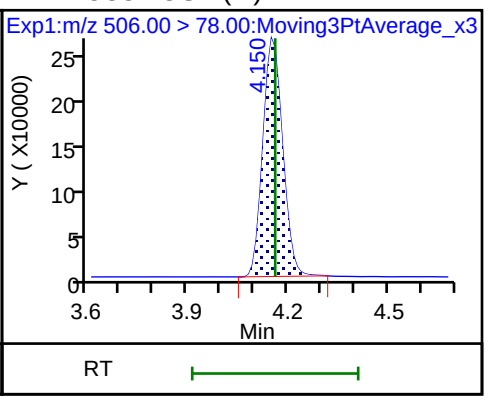
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



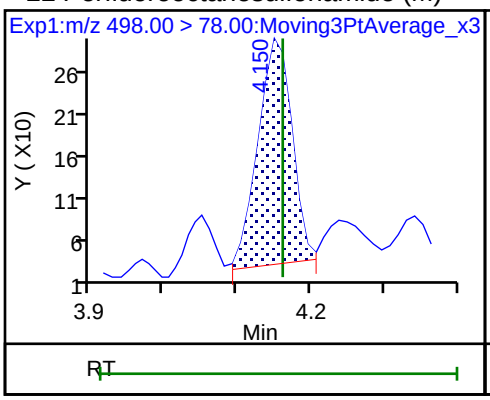
D 26 M2-8:2 FTS



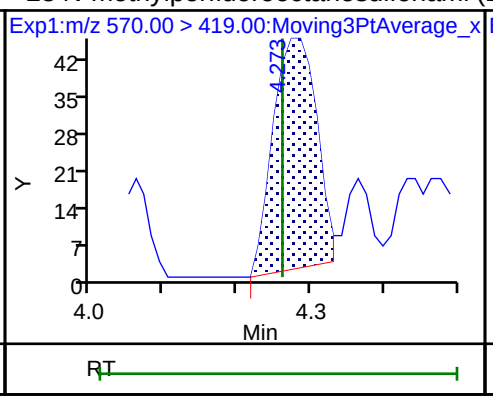
D 21 13C8 FOSA (M)



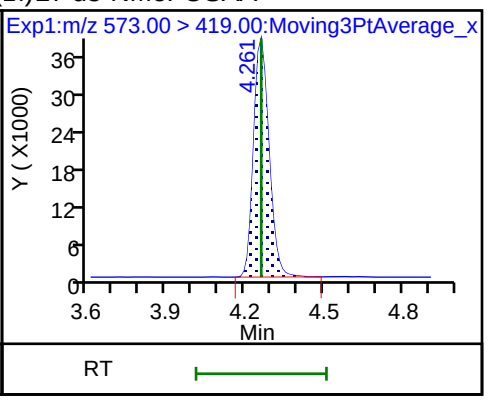
22 Perfluorooctanesulfonamide (M)



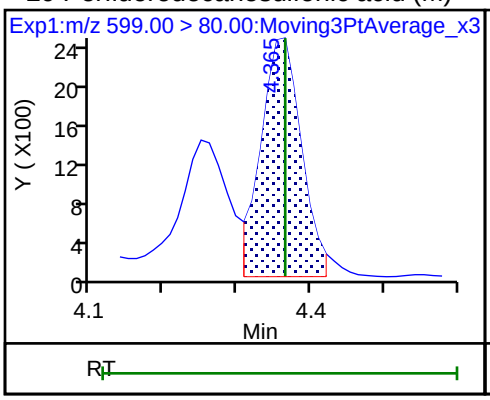
28 N-methylperfluorooctanesulfonami (M)



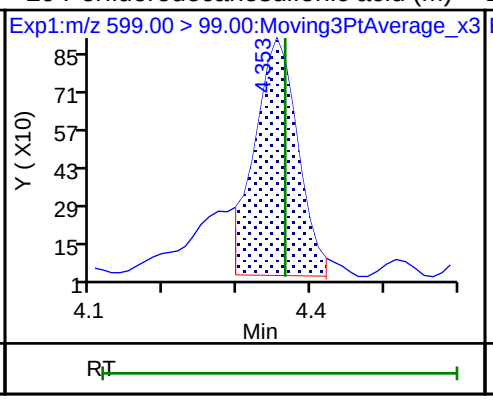
D 27 d3-NMeFOSAA



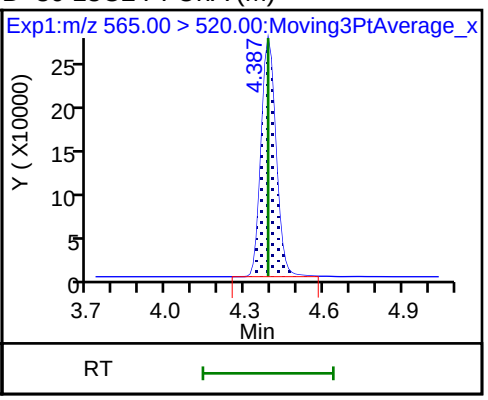
29 Perfluorodecanesulfonic acid (M)



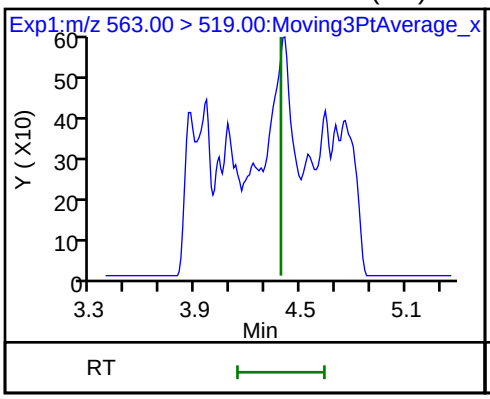
29 Perfluorodecanesulfonic acid (M)



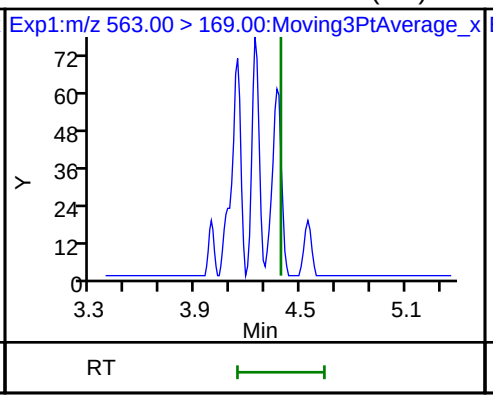
D 30 13C2 PFUnA (M)



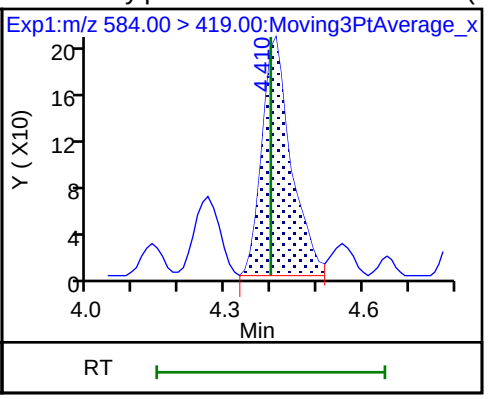
31 Perfluoroundecanoic acid (ND)



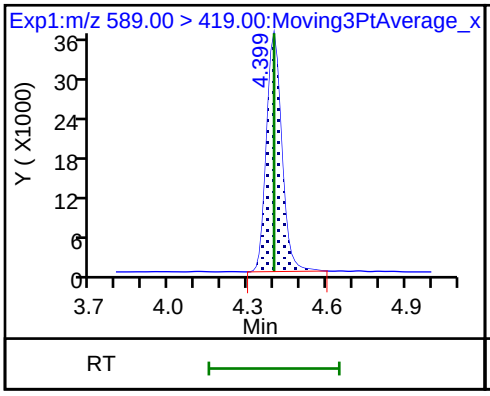
31 Perfluoroundecanoic acid (ND)



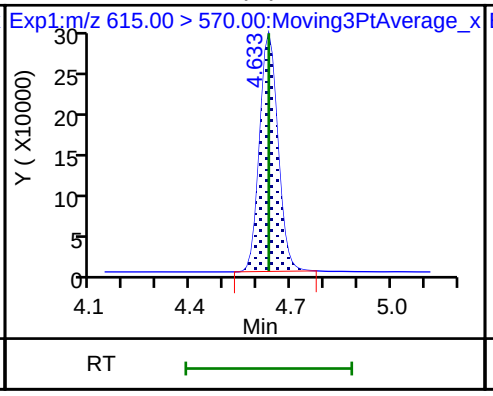
33 N-ethylperfluorooctanesulfonamid (M)



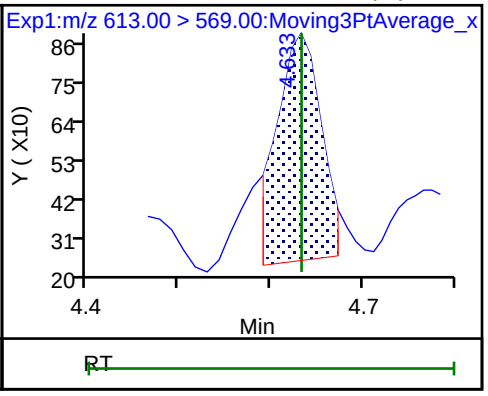
D 32 d5-NEtFOSAA



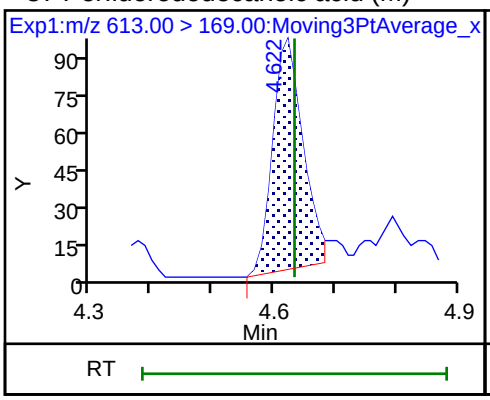
D 36 13C2 PFDoA (M)



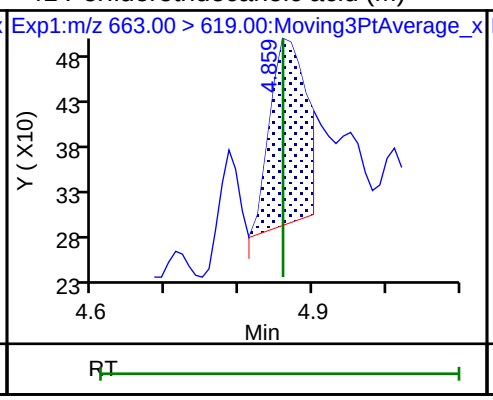
37 Perfluorododecanoic acid (M)



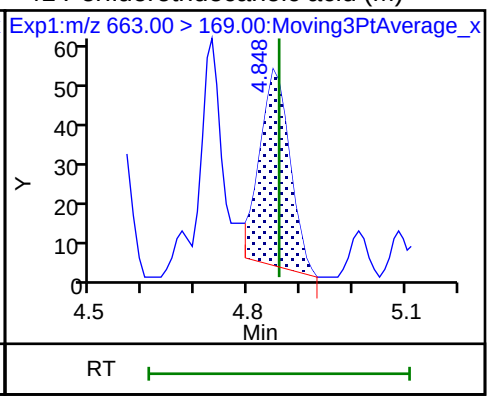
37 Perfluorododecanoic acid (M)



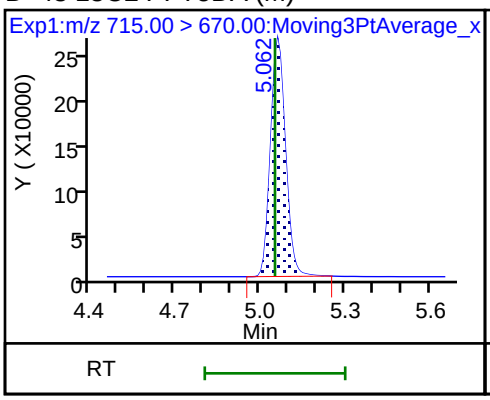
41 Perfluorotridecanoic acid (M)



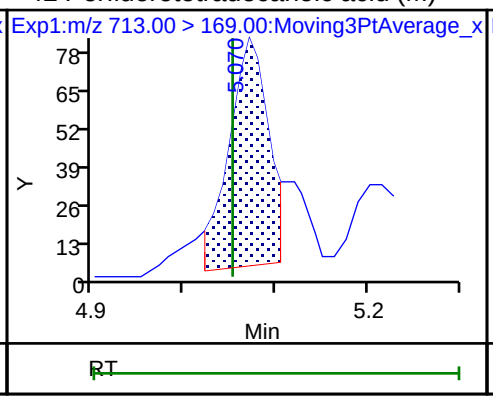
41 Perfluorotridecanoic acid (M)



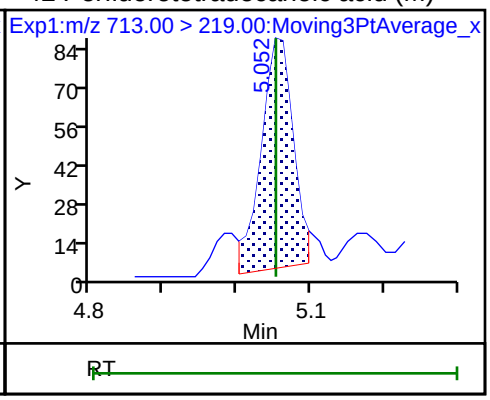
D 43 13C2 PFTeDA (M)



42 Perfluorotetradecanoic acid (M)



42 Perfluorotetradecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins Burlington

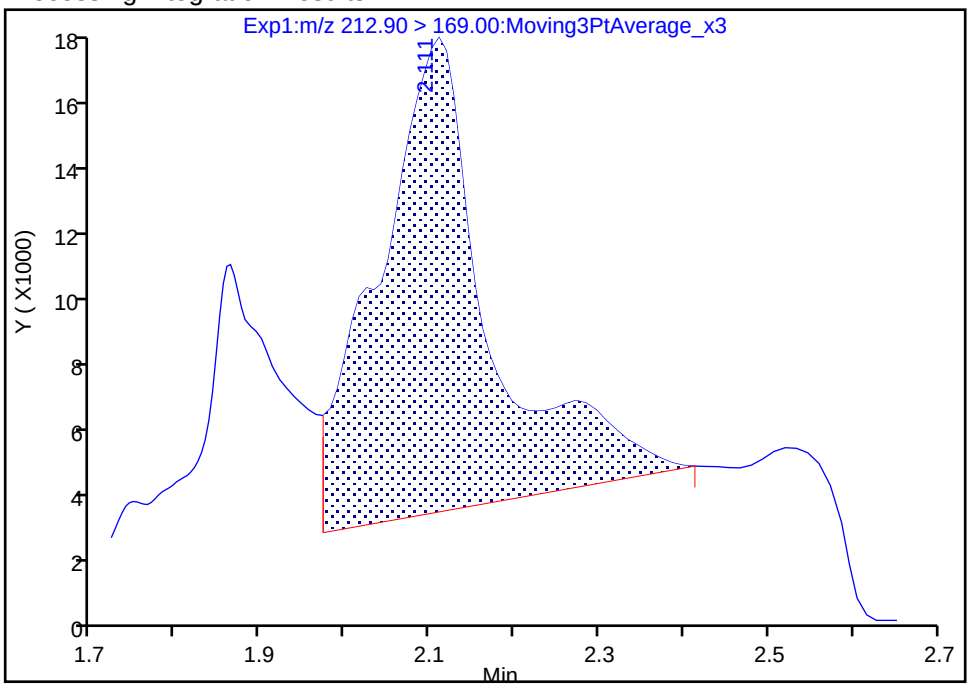
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Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
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

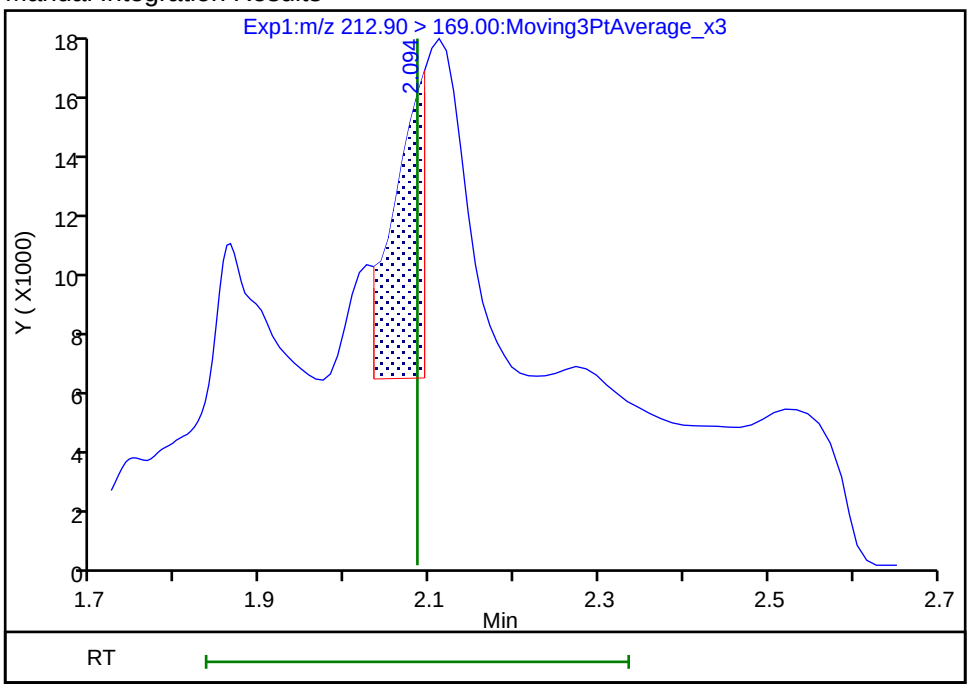
Processing Integration Results

RT: 2.11
Area: 132837
Amount: 0.096150
Amount Units: ng/ml



Manual Integration Results

RT: 2.09
Area: 24487
Amount: 0.017724
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:51:37

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

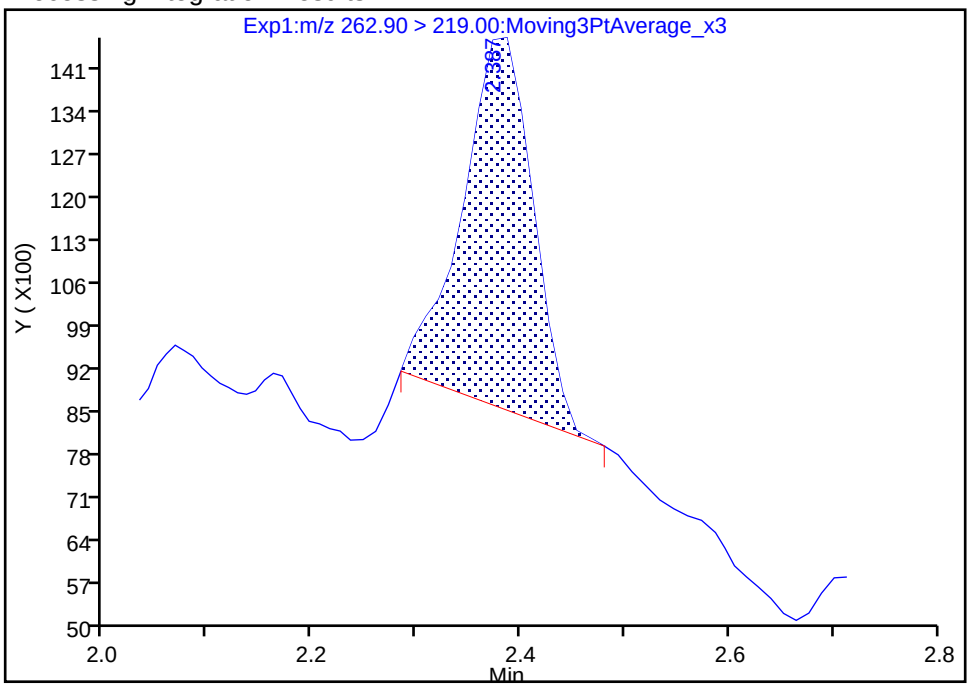
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Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
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

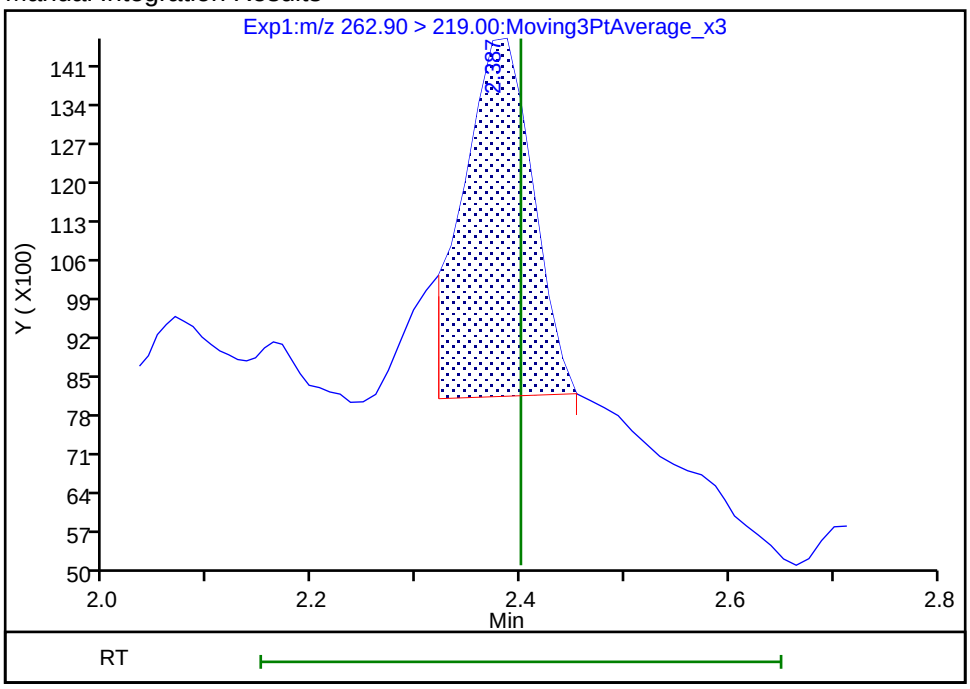
Processing Integration Results

RT: 2.39
Area: 28292
Amount: 0.024393
Amount Units: ng/ml



Manual Integration Results

RT: 2.39
Area: 29468
Amount: 0.025407
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:39:40

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

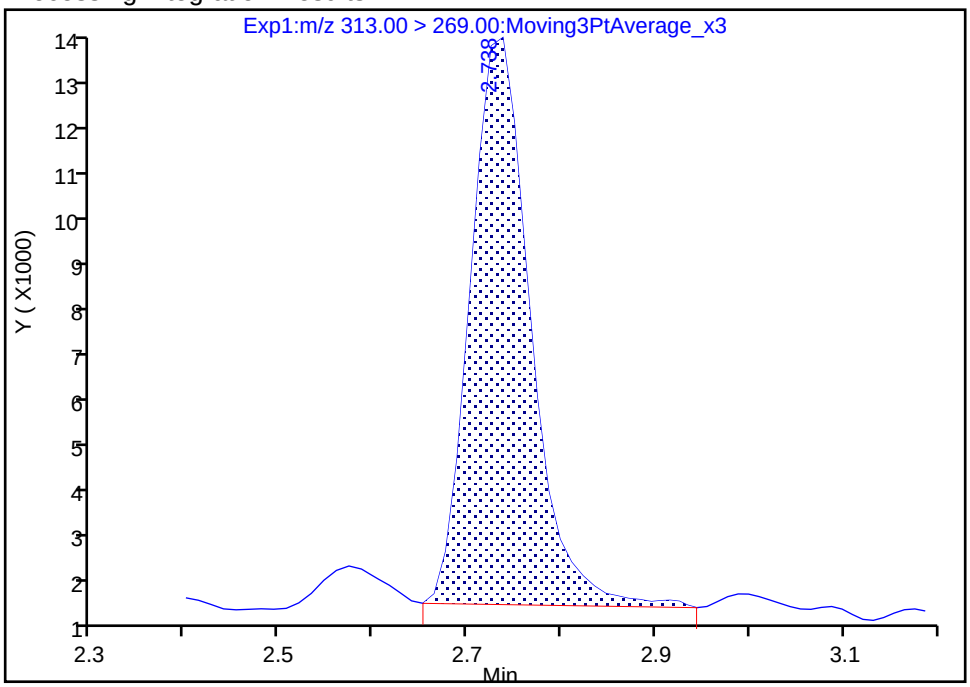
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B21.d				
Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection 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

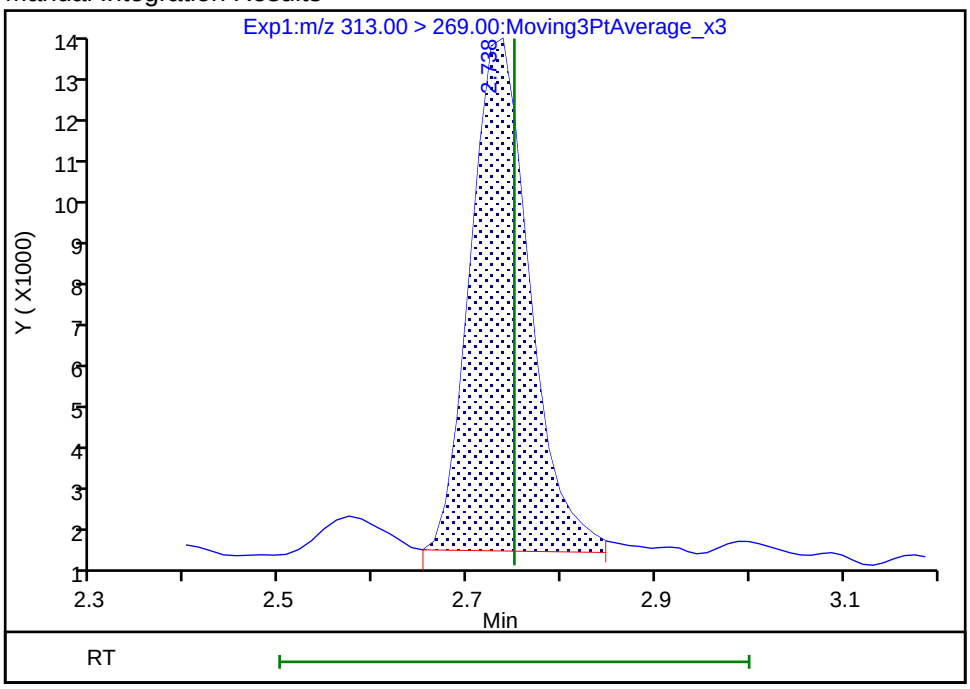
Processing Integration Results

RT: 2.74
Area: 51661
Amount: 0.045933
Amount Units: ng/ml



Manual Integration Results

RT: 2.74
Area: 50853
Amount: 0.045215
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:39:51

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

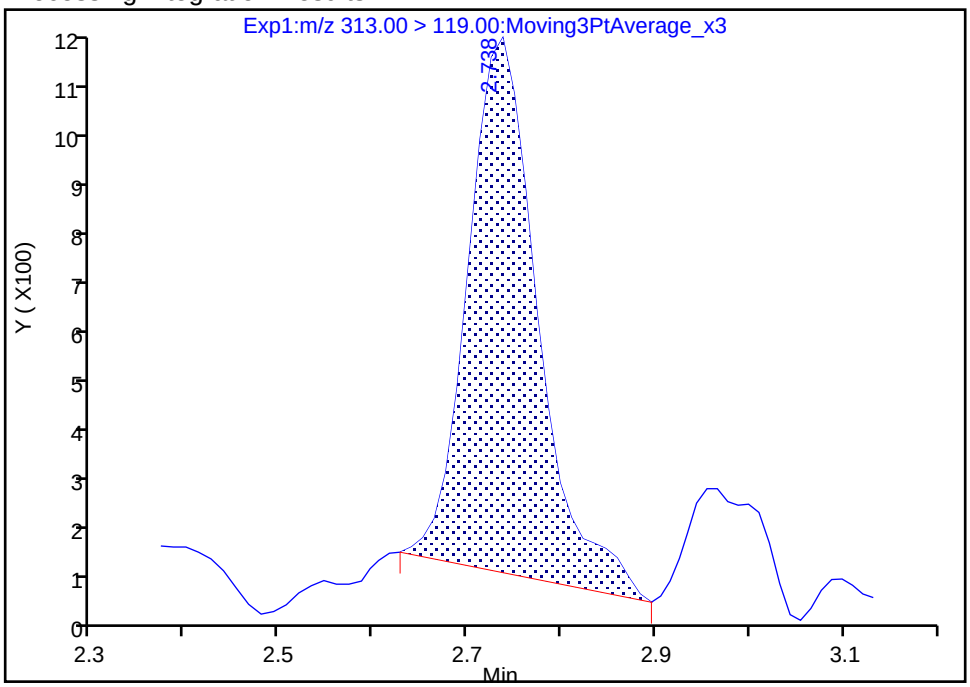
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Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
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

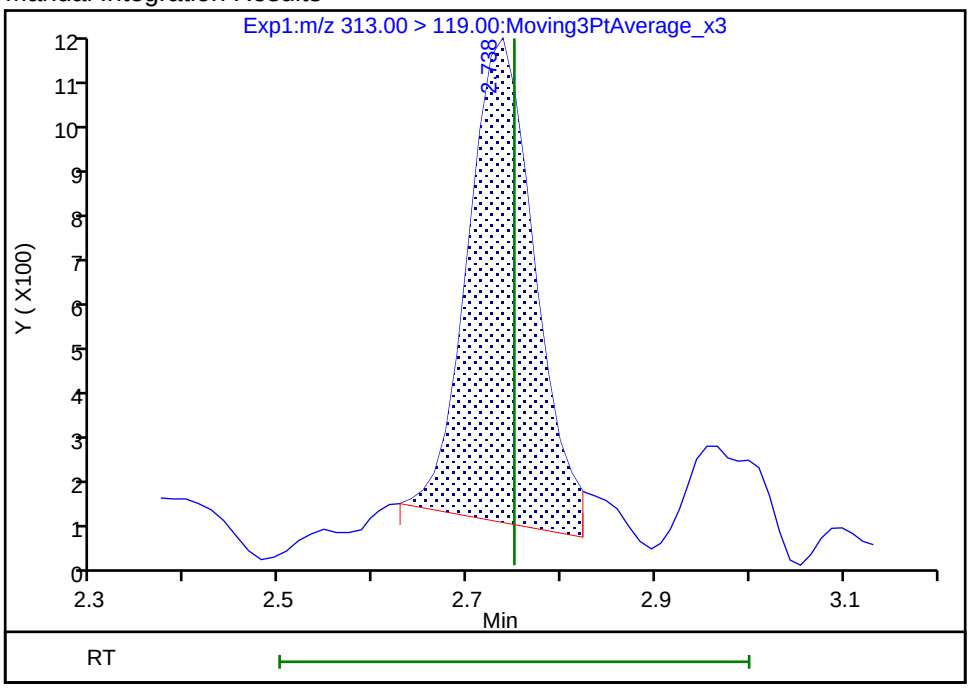
Processing Integration Results

RT: 2.74
Area: 5365
Amount: 0.045933
Amount Units: ng/ml



Manual Integration Results

RT: 2.74
Area: 5117
Amount: 0.045215
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:39:53
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

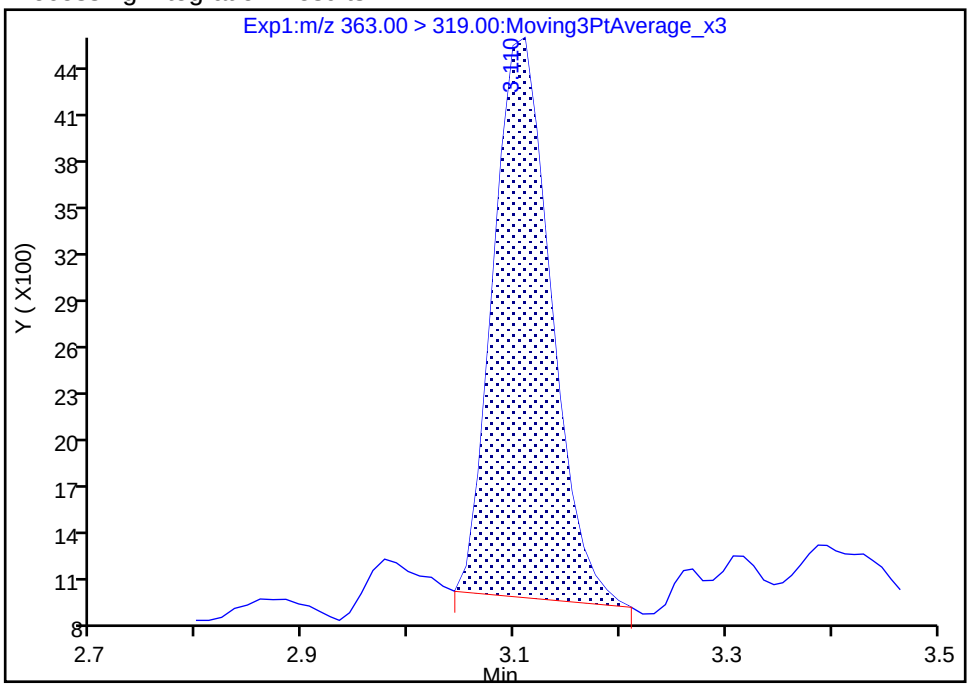
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Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
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

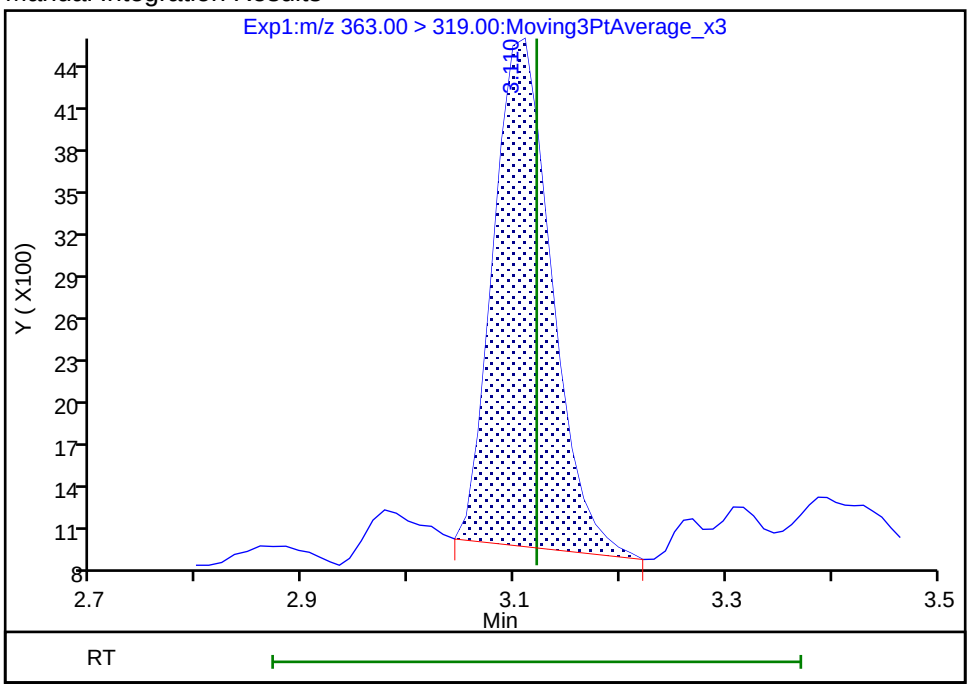
Processing Integration Results

RT: 3.11
Area: 13325
Amount: 0.011437
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 13503
Amount: 0.011590
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:40:32
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

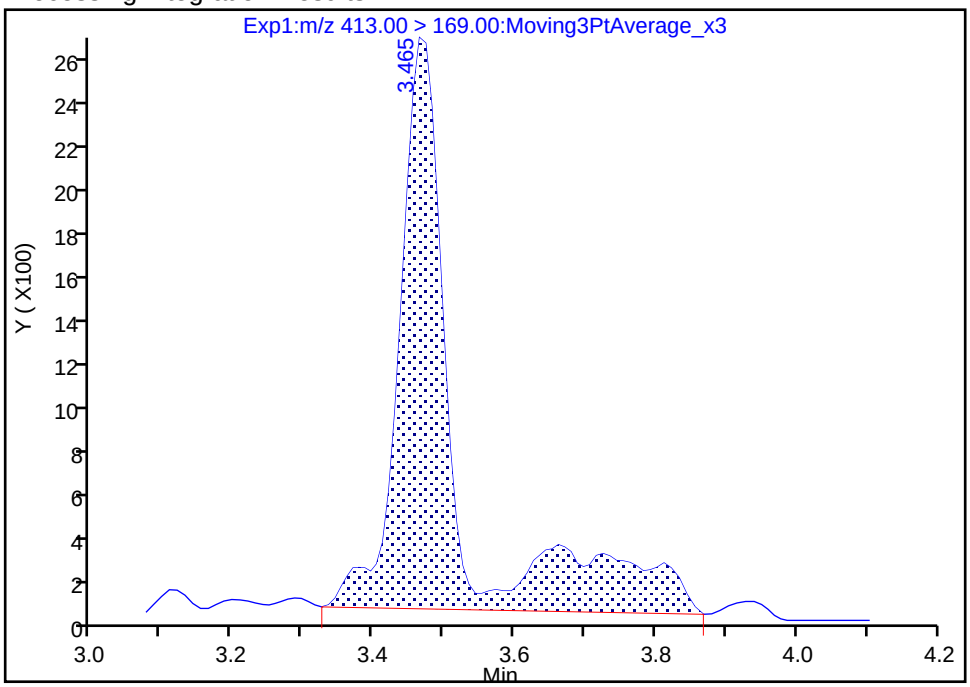
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Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
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

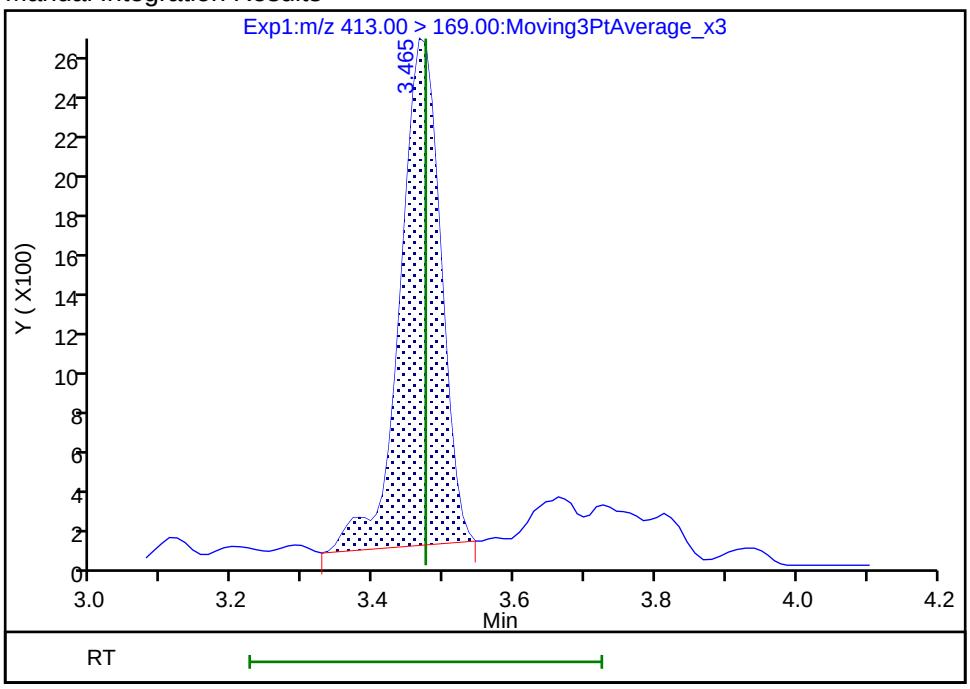
Processing Integration Results

RT: 3.47
Area: 14504
Amount: 0.023795
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 10352
Amount: 0.026173
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:40:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

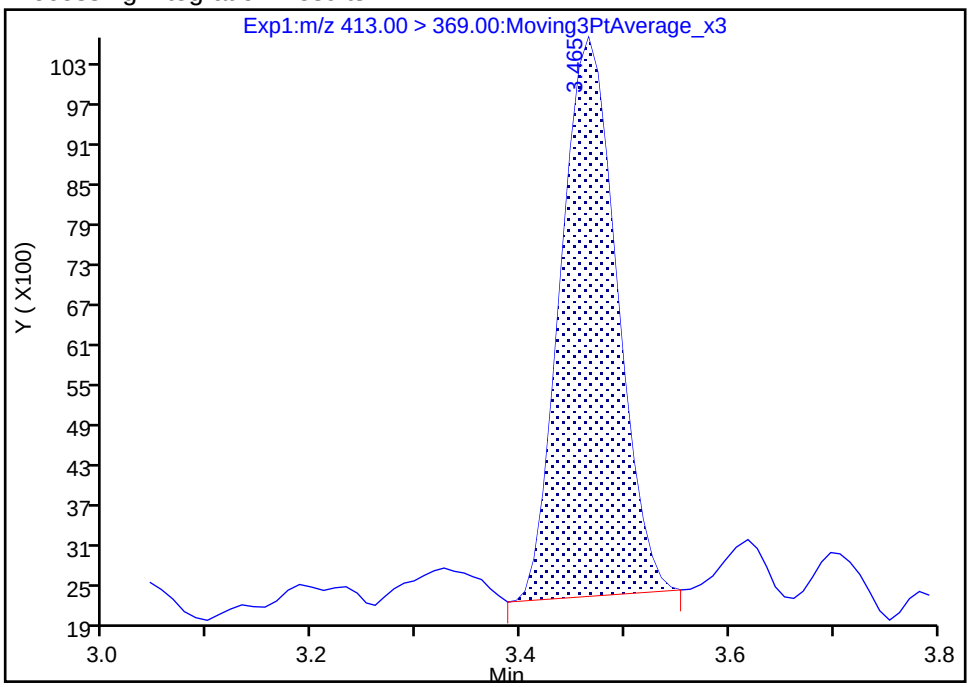
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Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
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

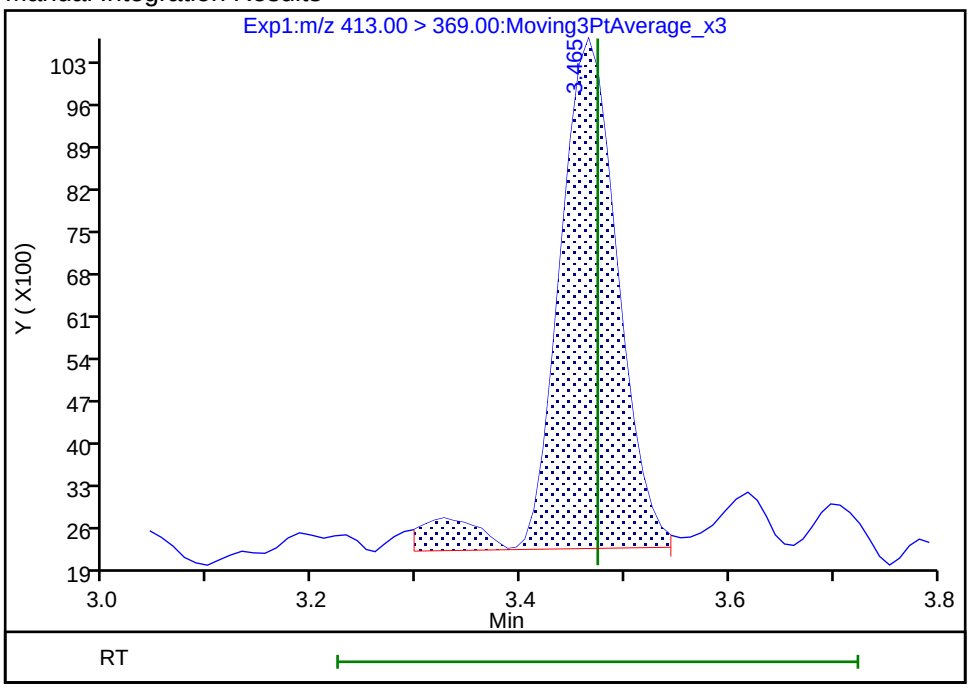
Processing Integration Results

RT: 3.47
Area: 31424
Amount: 0.023795
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 34235
Amount: 0.026173
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:40:58
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

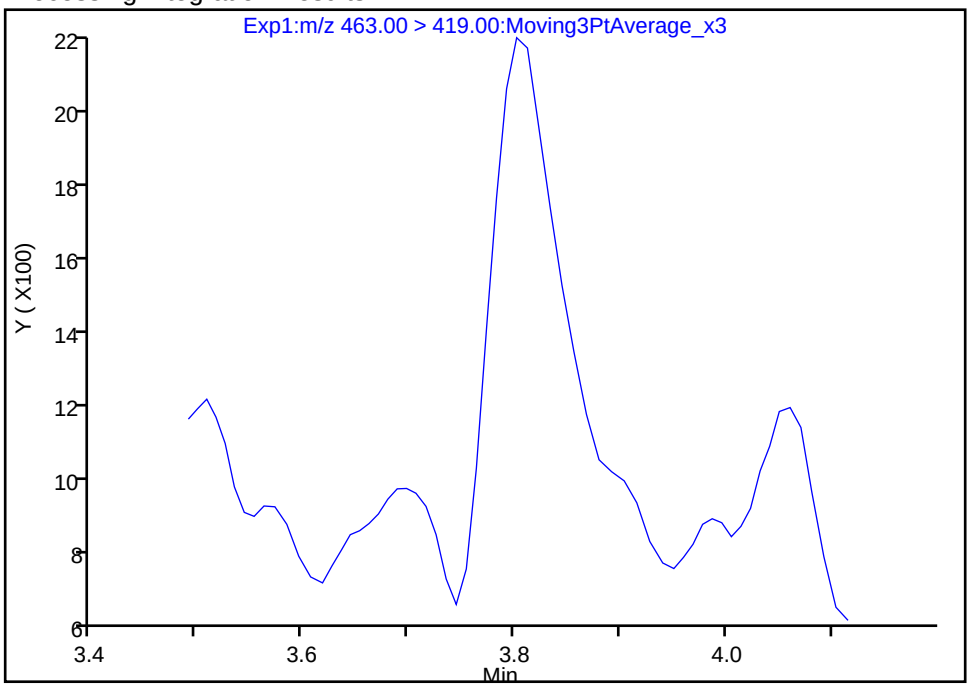
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B21.d				
Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection 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

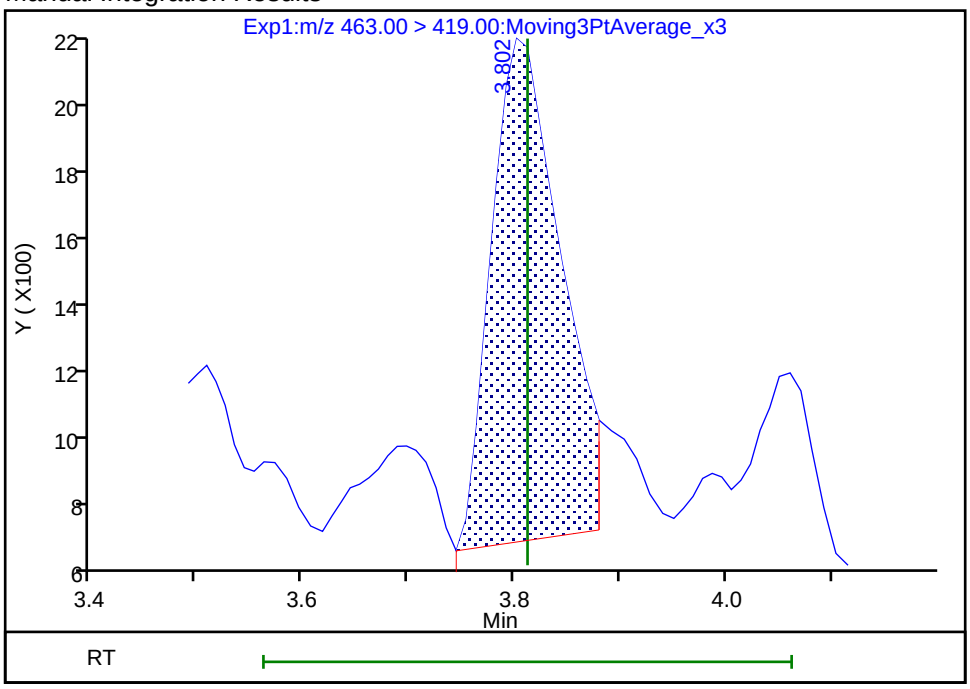
Not Detected
Expected RT: 3.81

Processing Integration Results



Manual Integration Results

RT: 3.80
Area: 6327
Amount: 0.005253
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:41:39
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

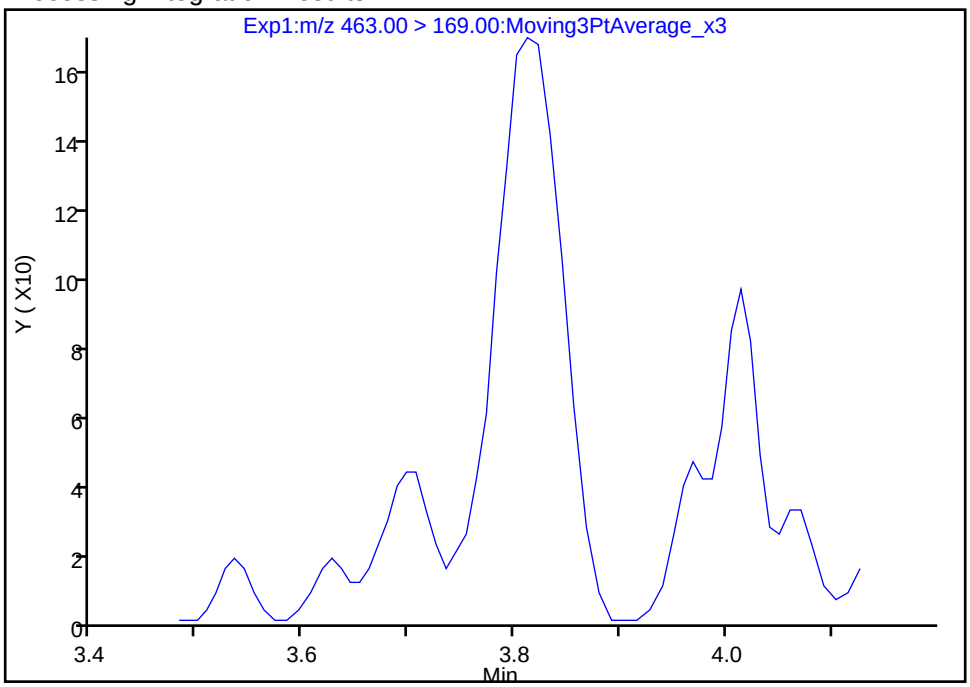
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B21.d				
Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection 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

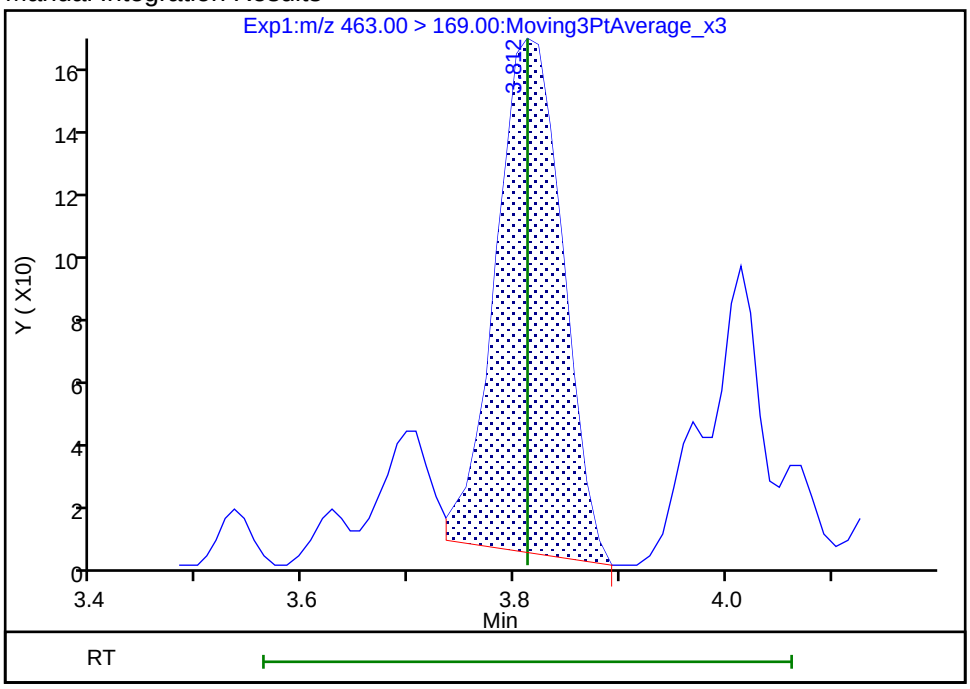
Not Detected
Expected RT: 3.81

Processing Integration Results



Manual Integration Results

RT: 3.81
Area: 724
Amount: 0.005253
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:41:41
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

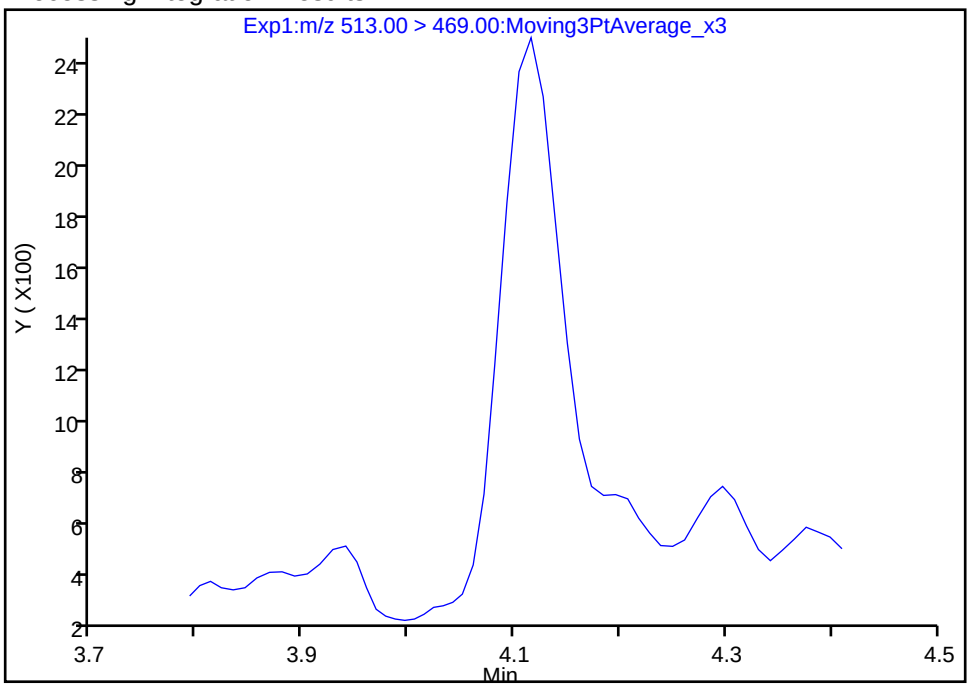
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B21.d				
Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

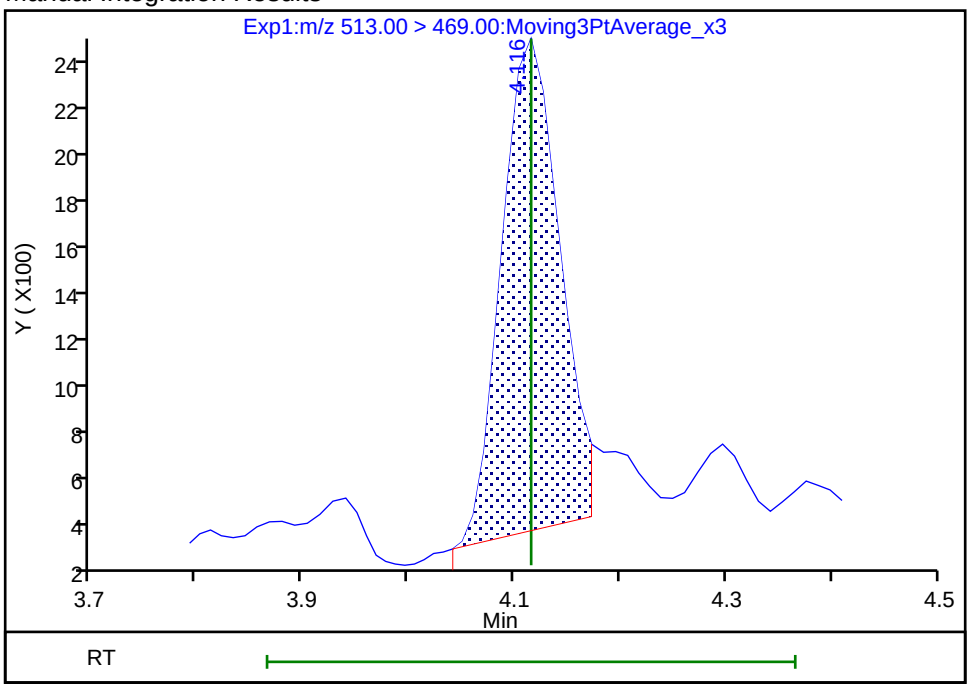
Not Detected
Expected RT: 4.12

Processing Integration Results



Manual Integration Results

RT: 4.12
Area: 7812
Amount: 0.006549
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:41:51
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

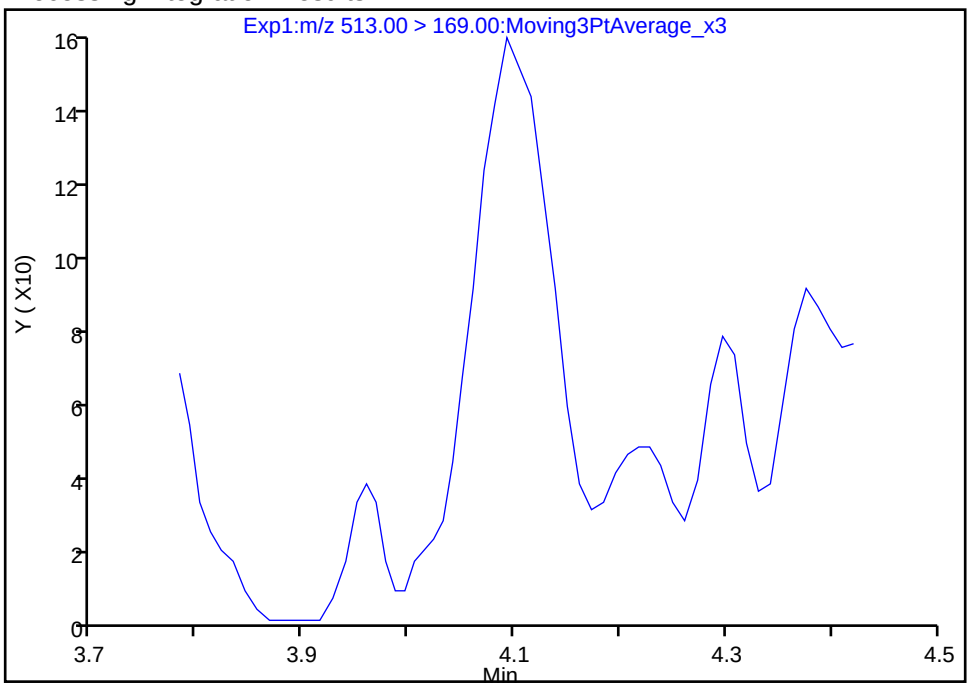
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B21.d				
Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

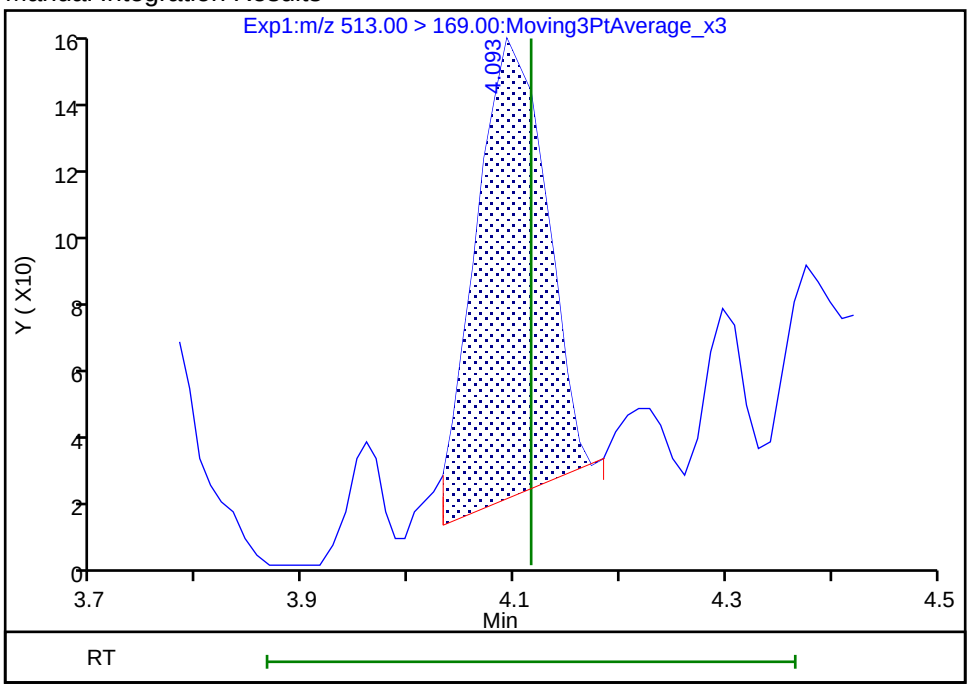
Not Detected
Expected RT: 4.12

Processing Integration Results



Manual Integration Results

RT: 4.09
Area: 636
Amount: 0.006549
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:41:53
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

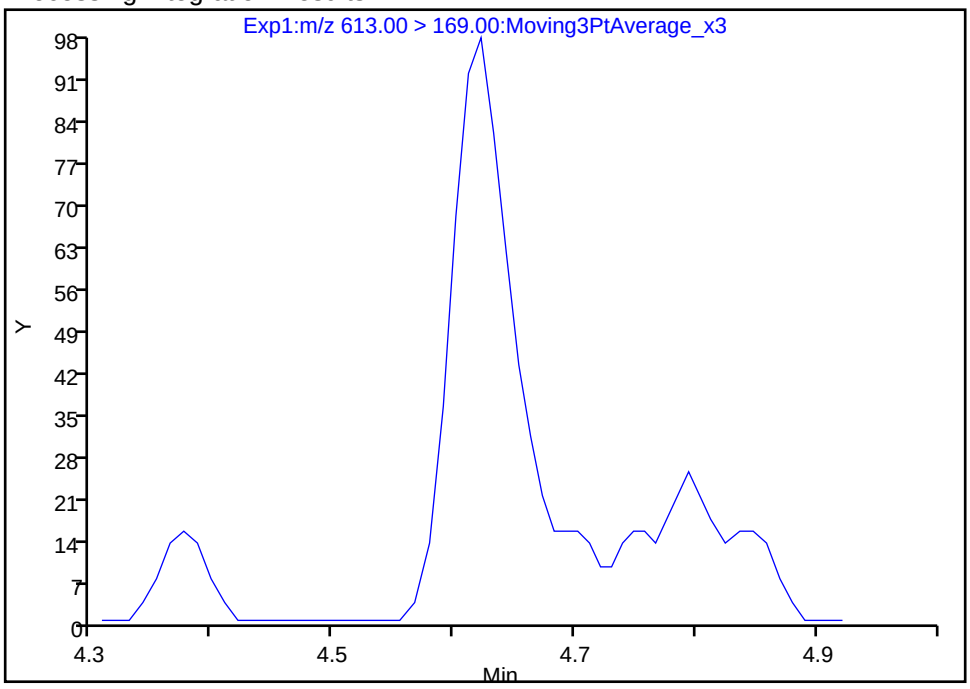
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B21.d				
Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection 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

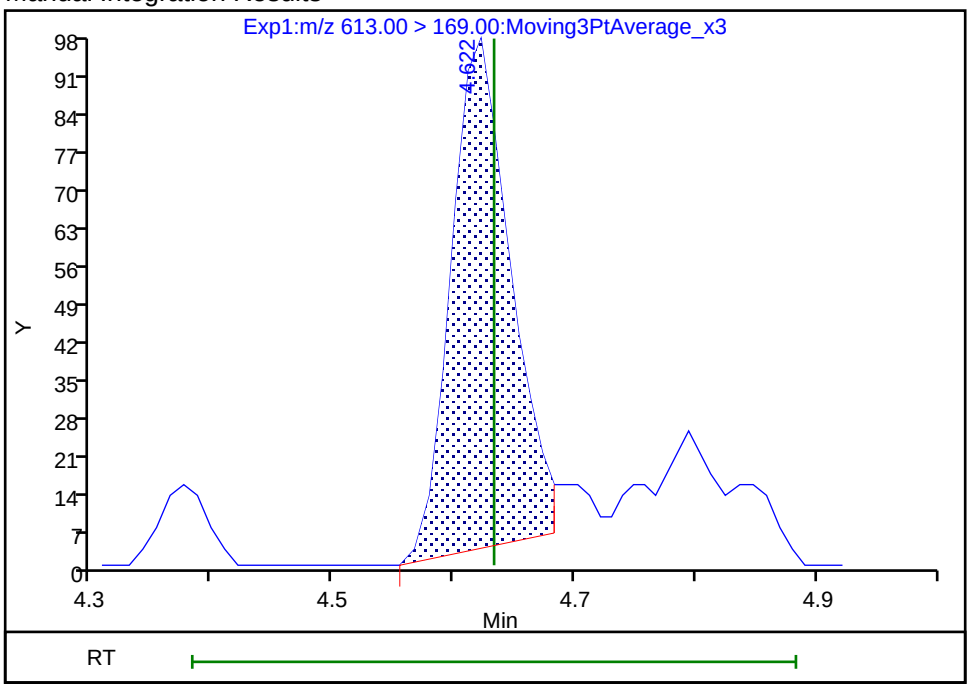
Not Detected
Expected RT: 4.63

Processing Integration Results



Manual Integration Results

RT: 4.62
Area: 324
Amount: 0.002358
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:42:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

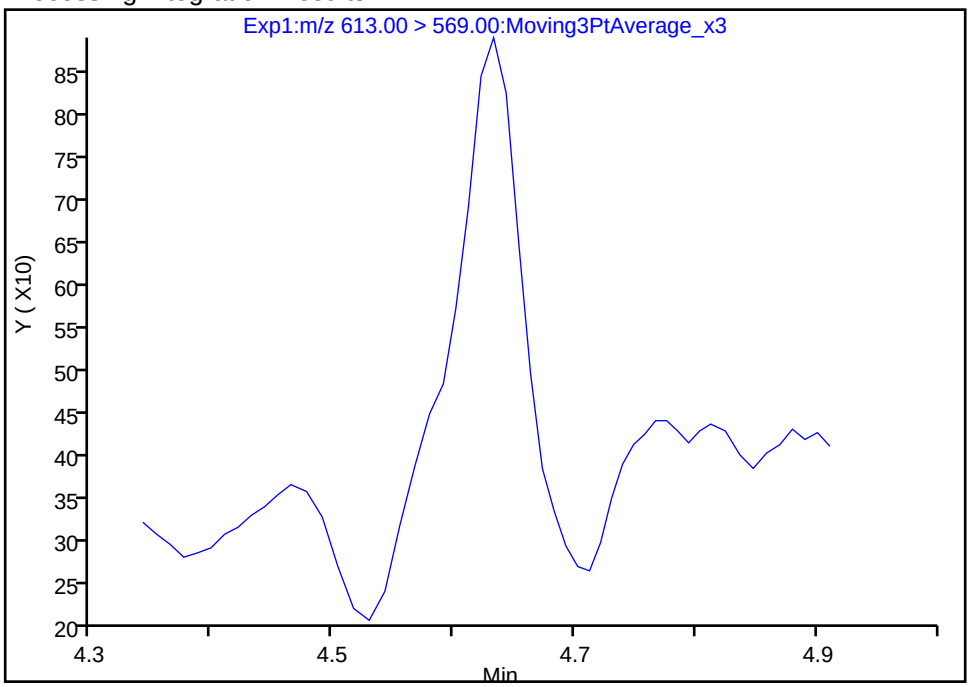
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B21.d				
Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection 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

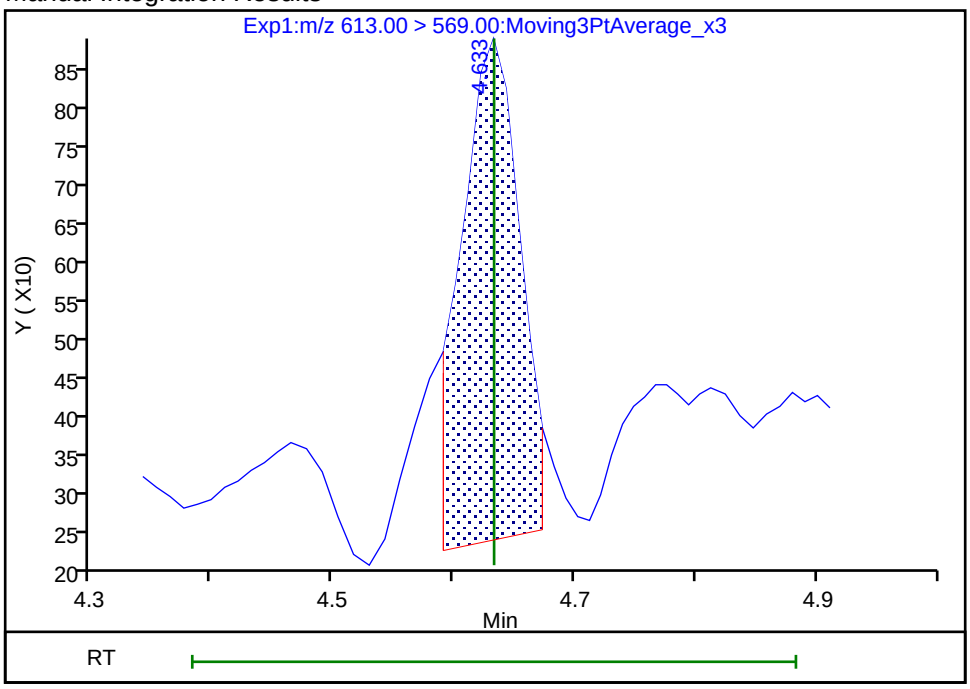
Not Detected
Expected RT: 4.63

Processing Integration Results



Manual Integration Results

RT: 4.63
Area: 2163
Amount: 0.002358
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:42:57
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

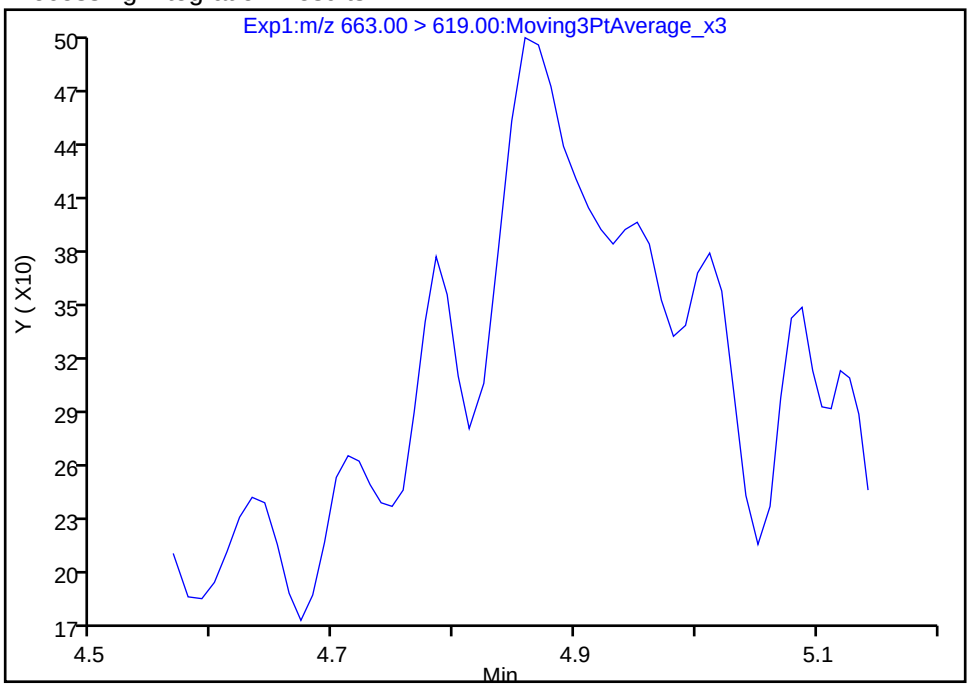
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B21.d				
Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

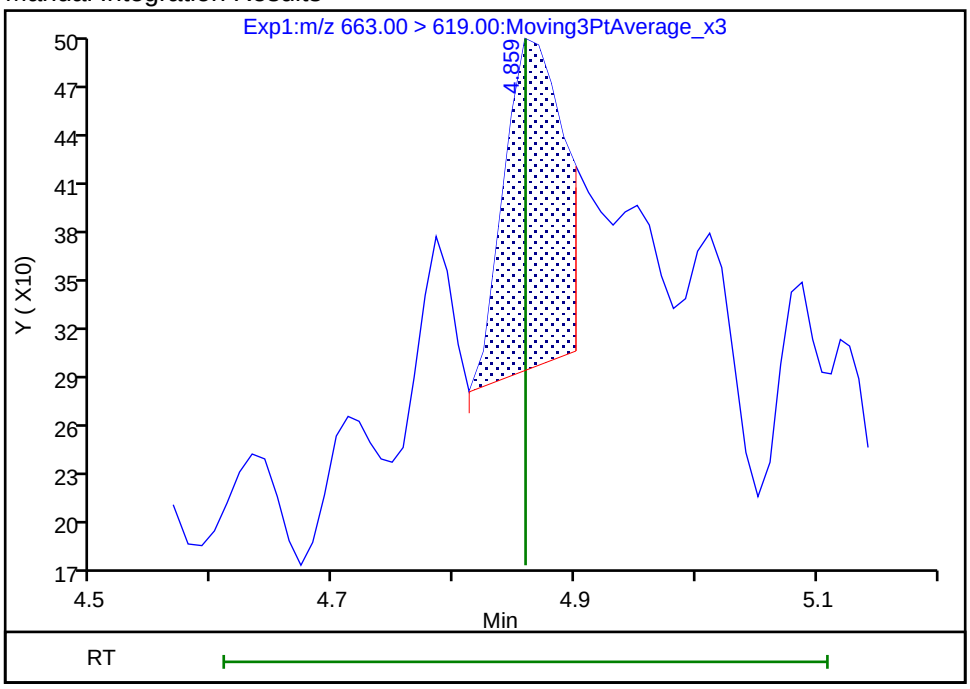
Not Detected
Expected RT: 4.86

Processing Integration Results



Manual Integration Results

RT: 4.86
Area: 670
Amount: 0.000842
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:43:10
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

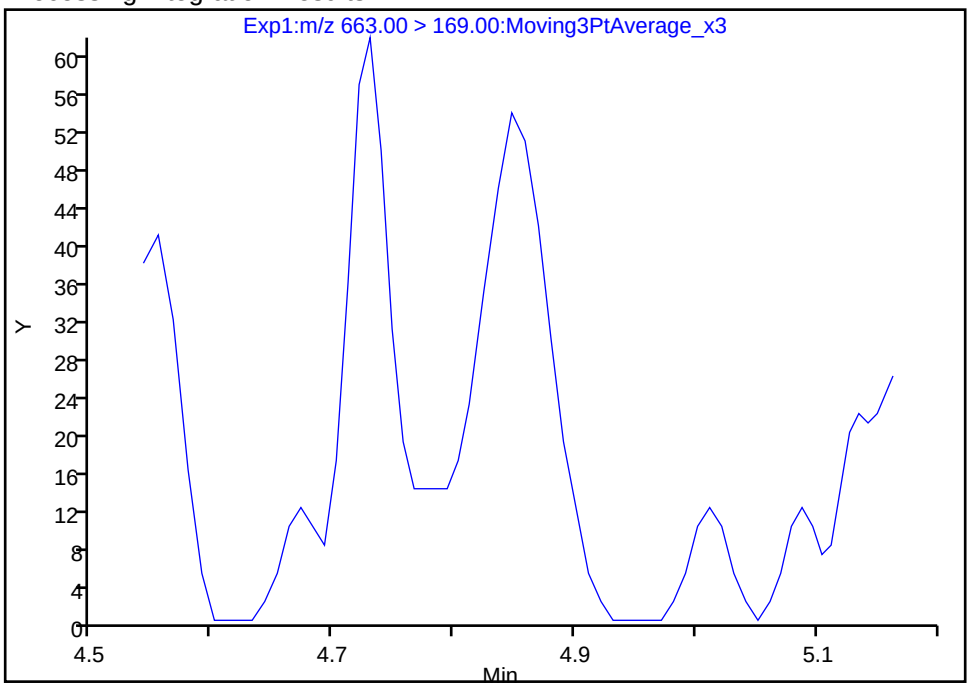
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B21.d				
Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

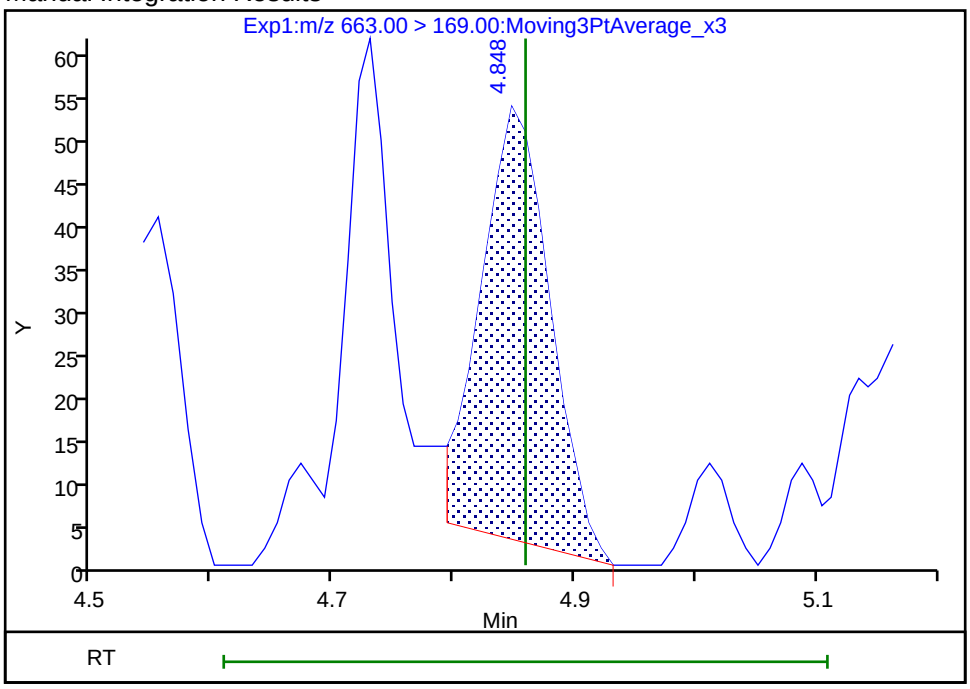
Not Detected
Expected RT: 4.86

Processing Integration Results



Manual Integration Results

RT: 4.85
Area: 203
Amount: 0.000842
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:43:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

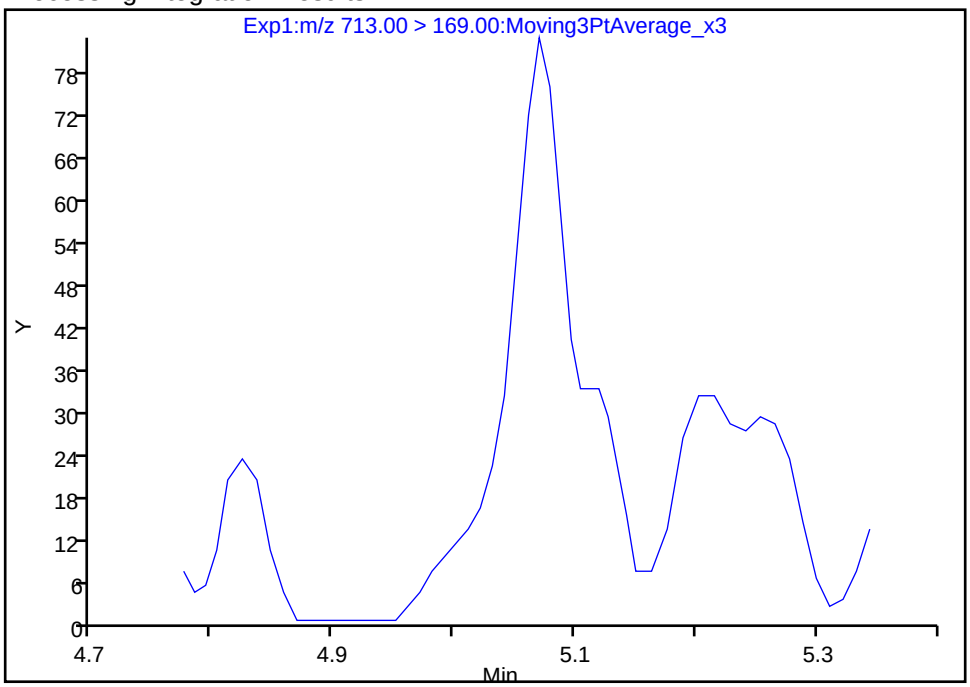
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B21.d				
Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

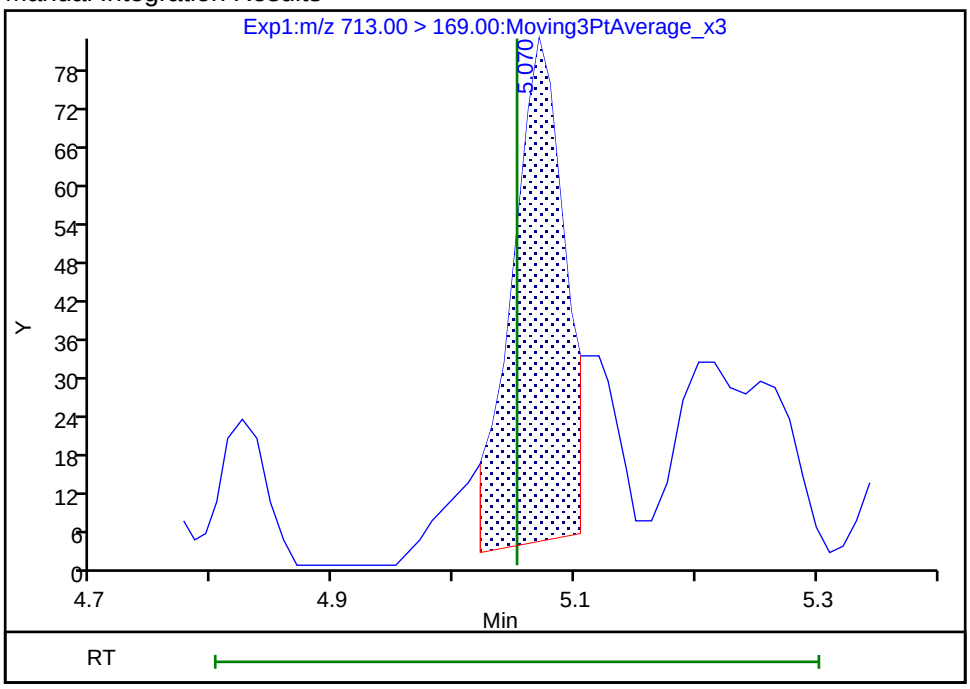
Not Detected
Expected RT: 5.05

Processing Integration Results



Manual Integration Results

RT: 5.07
Area: 234
Amount: 0.001894
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:43:32
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

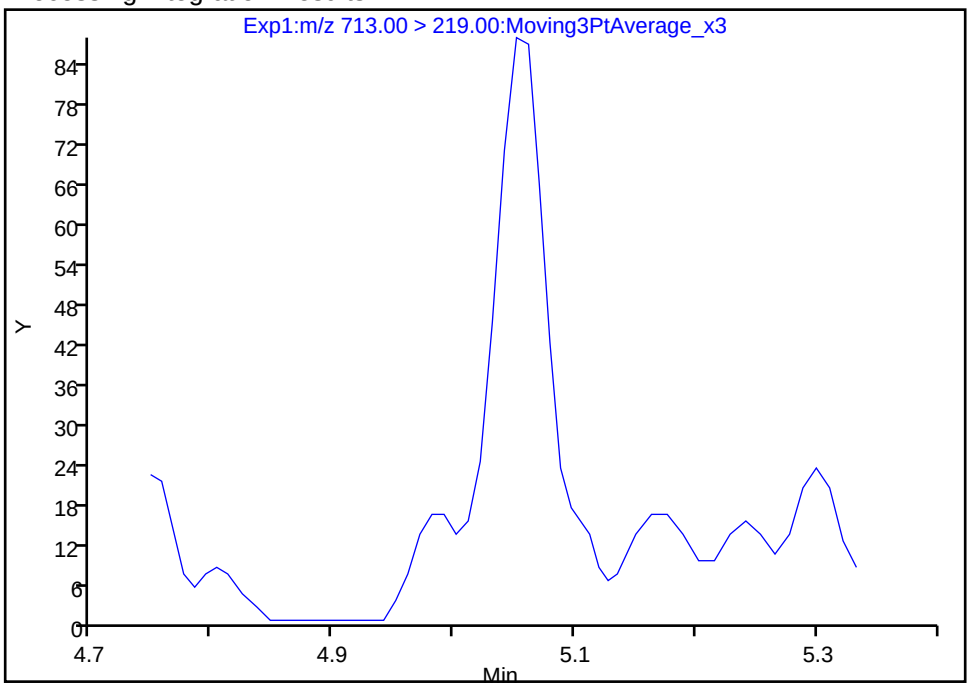
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B21.d				
Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

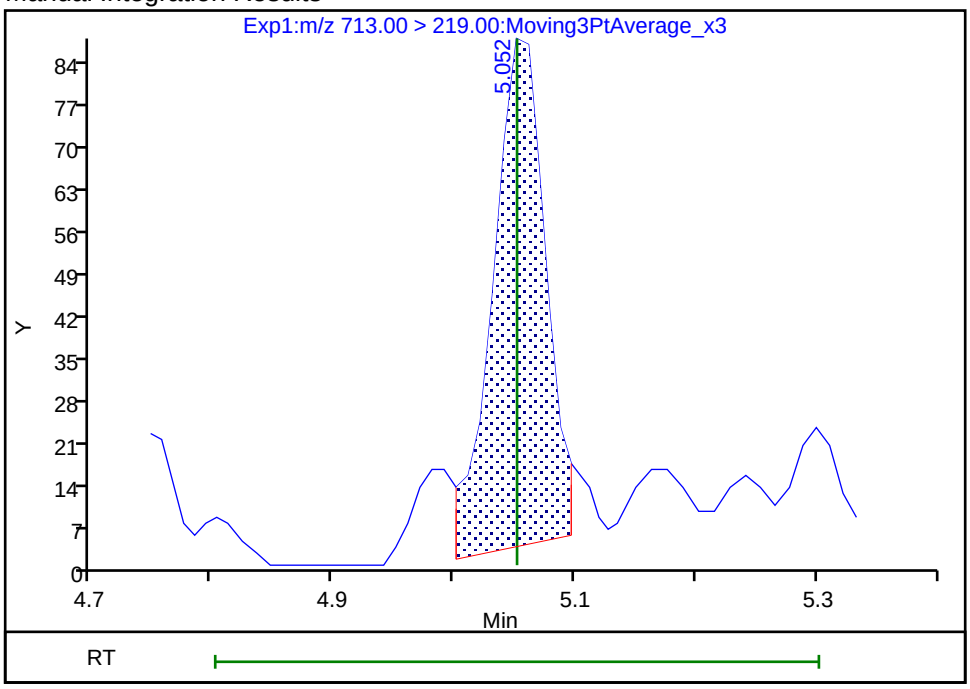
Not Detected
Expected RT: 5.05

Processing Integration Results



Manual Integration Results

RT: 5.05
Area: 255
Amount: 0.001894
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:43:37
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

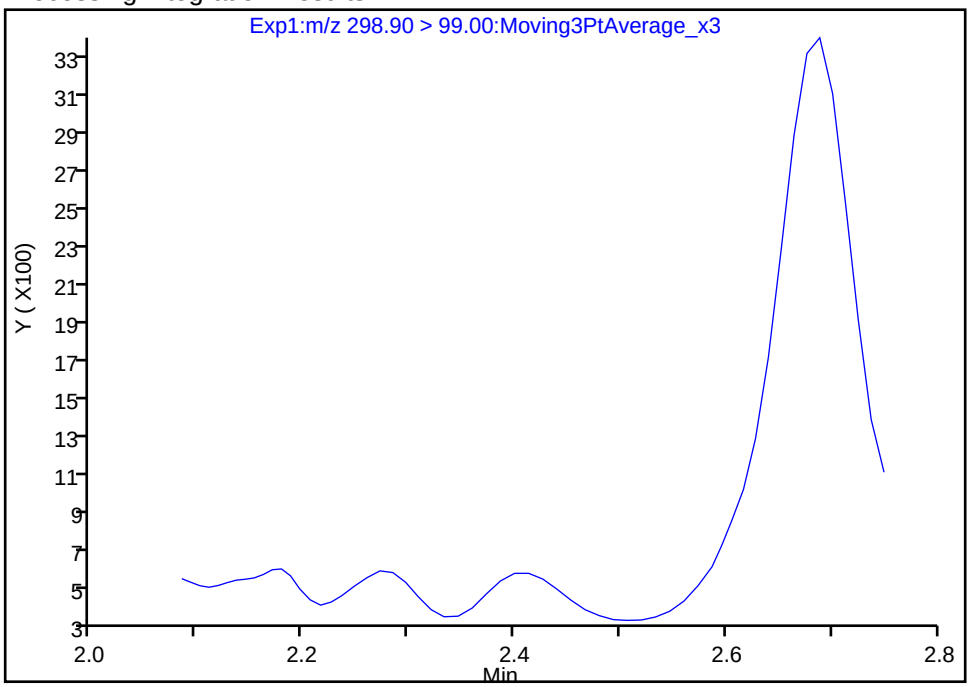
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Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
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

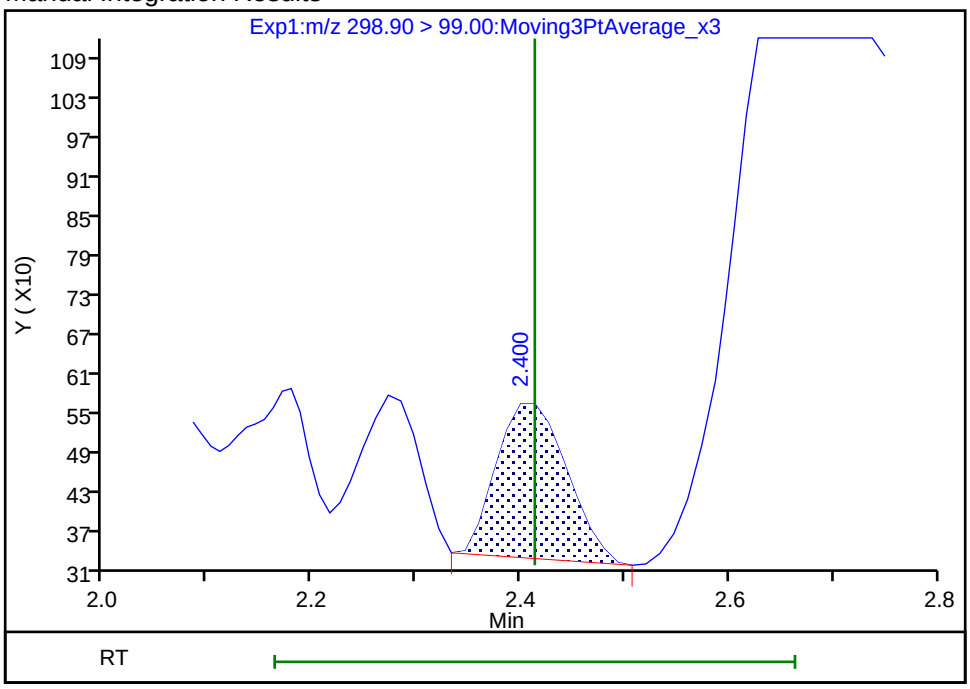
Not Detected
Expected RT: 2.41

Processing Integration Results



Manual Integration Results

RT: 2.40
Area: 1109
Amount: 0.002276
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:39:46
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

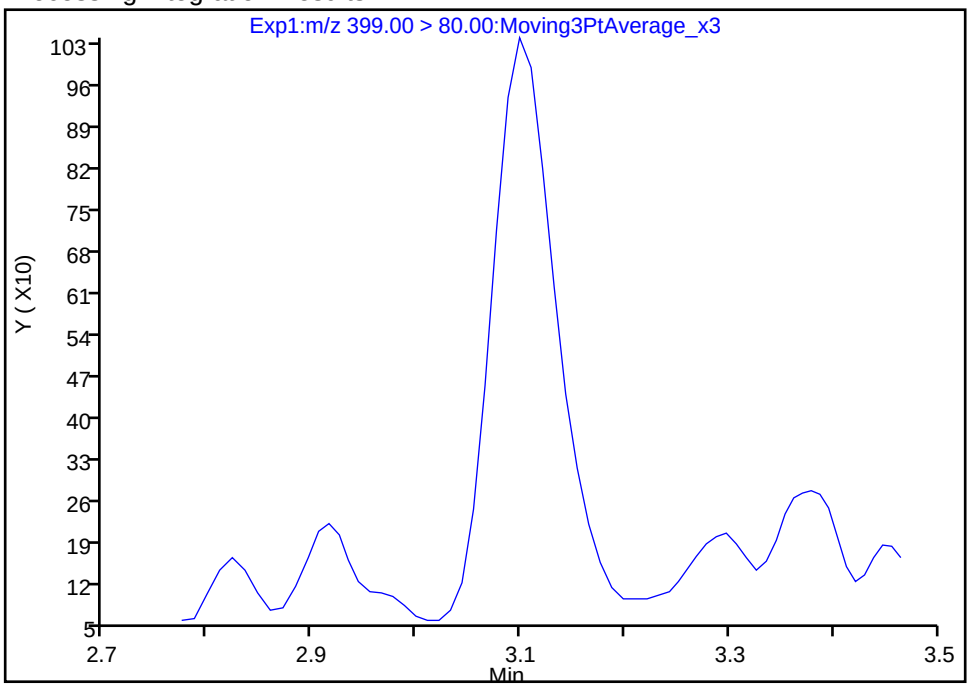
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Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
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

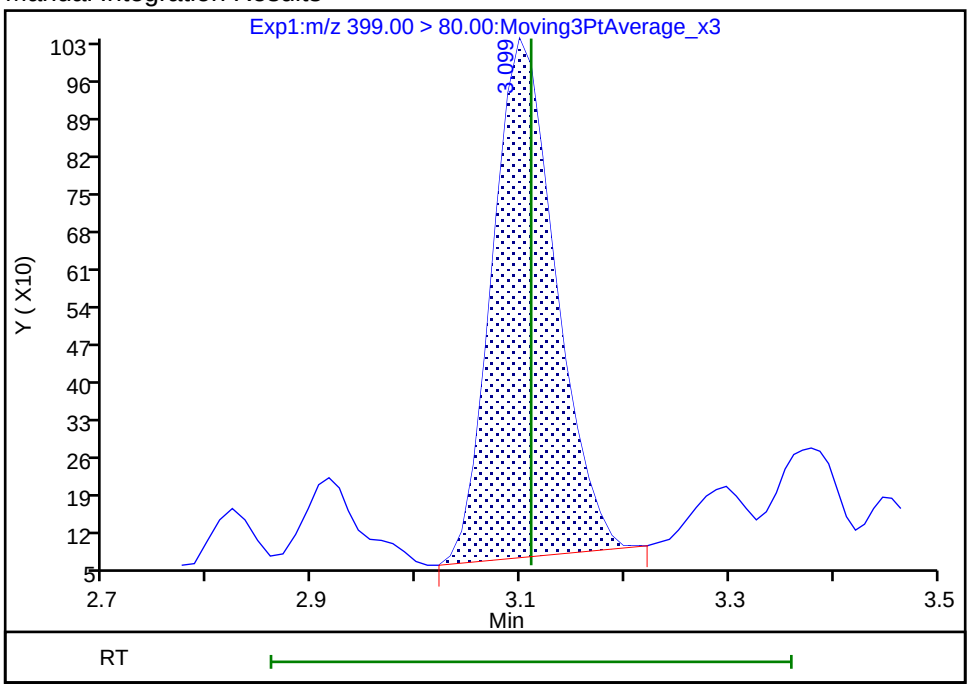
Not Detected
Expected RT: 3.11

Processing Integration Results



RT: 3.10
Area: 4062
Amount: 0.004871
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Aug-2022 12:40:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

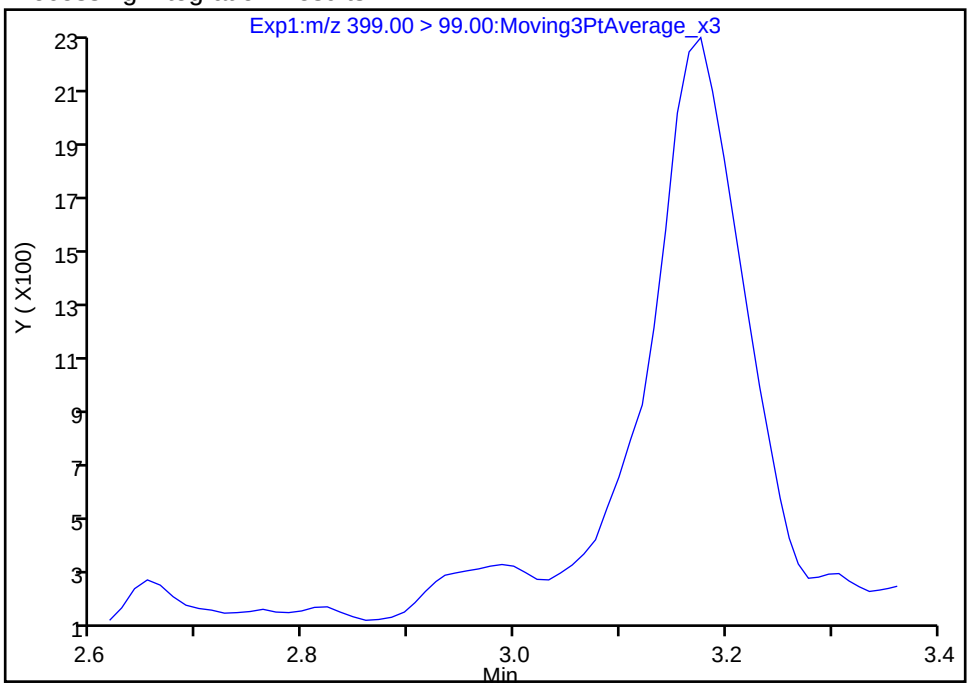
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B21.d				
Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection 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

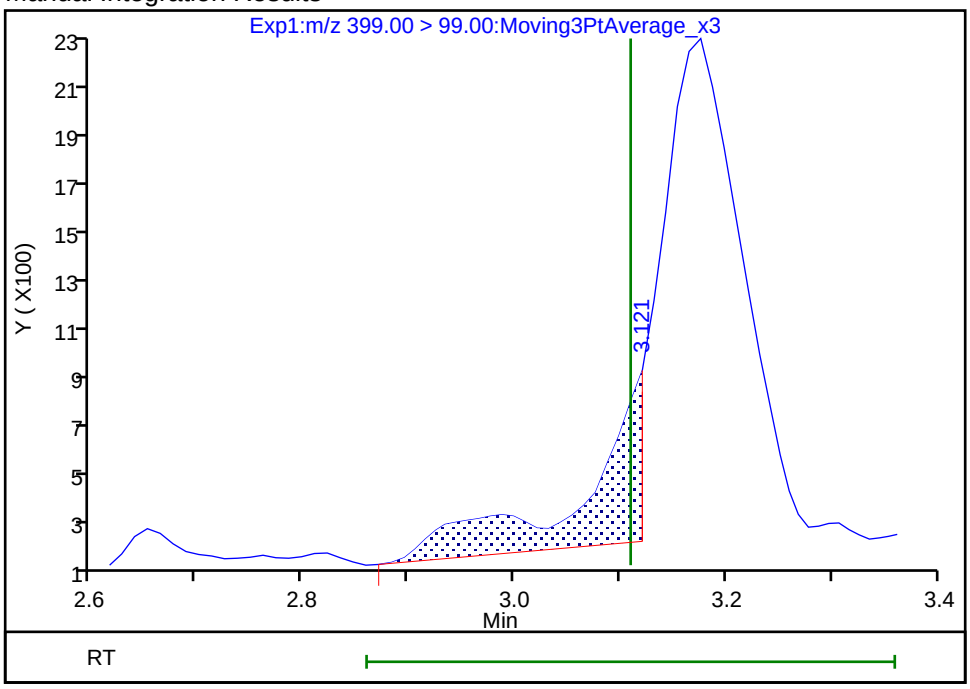
Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results

RT: 3.12
Area: 2534
Amount: 0.004871
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:40:15
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

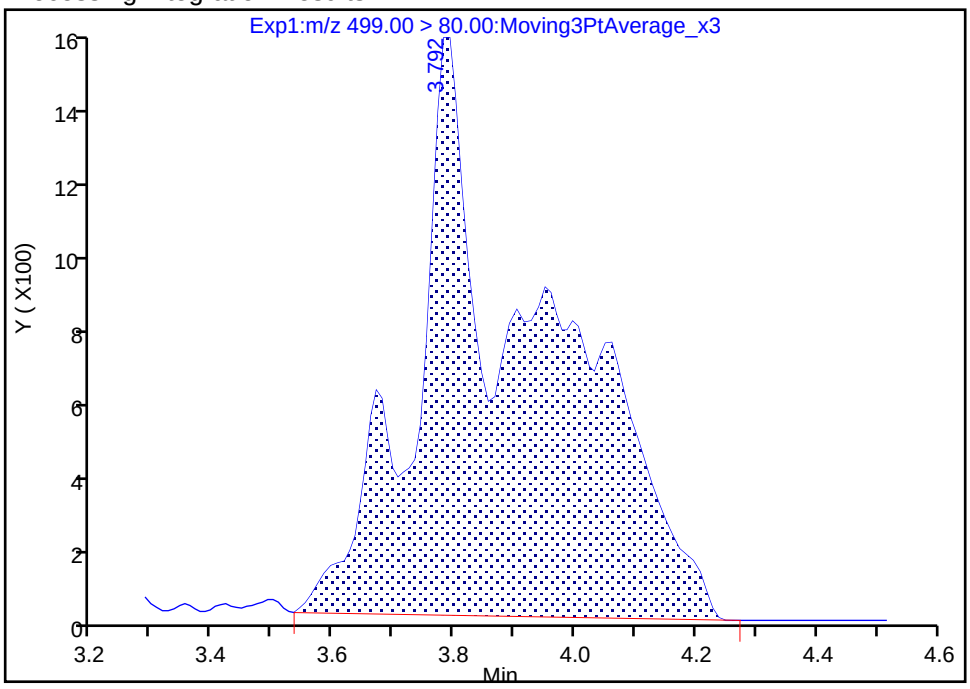
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B21.d				
Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection 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

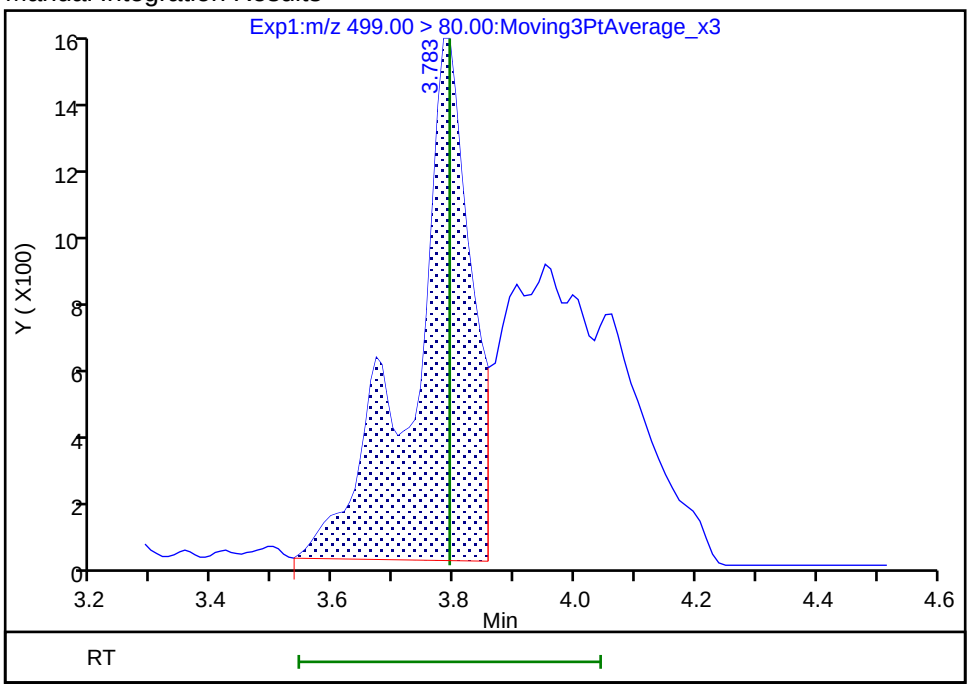
Processing Integration Results

RT: 3.79
Area: 23093
Amount: 0.023308
Amount Units: ng/ml



Manual Integration Results

RT: 3.78
Area: 10440
Amount: 0.000416
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:41:24

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

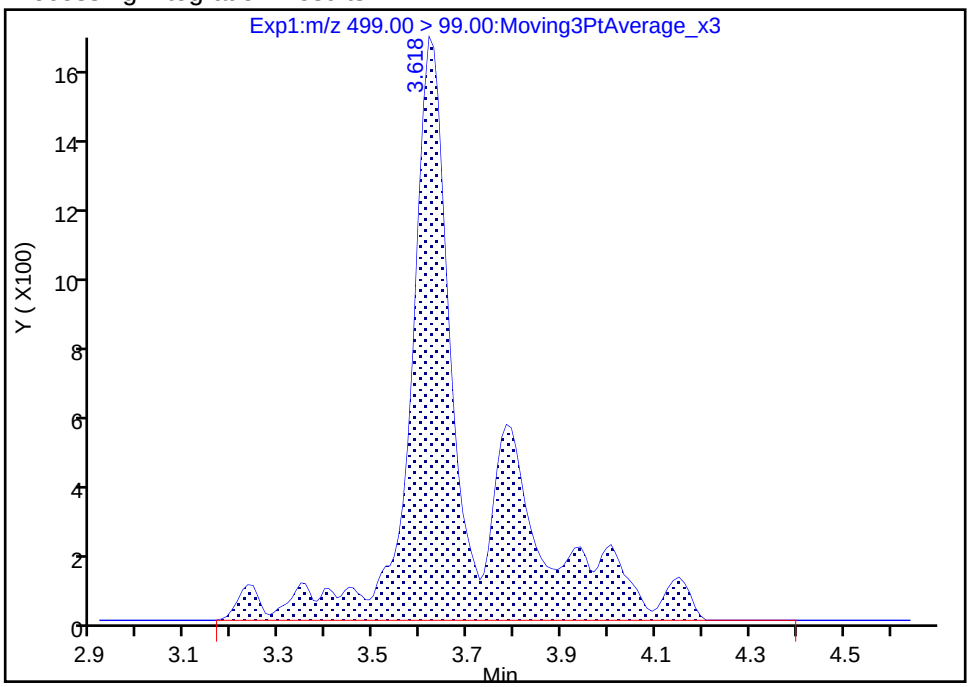
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B21.d				
Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

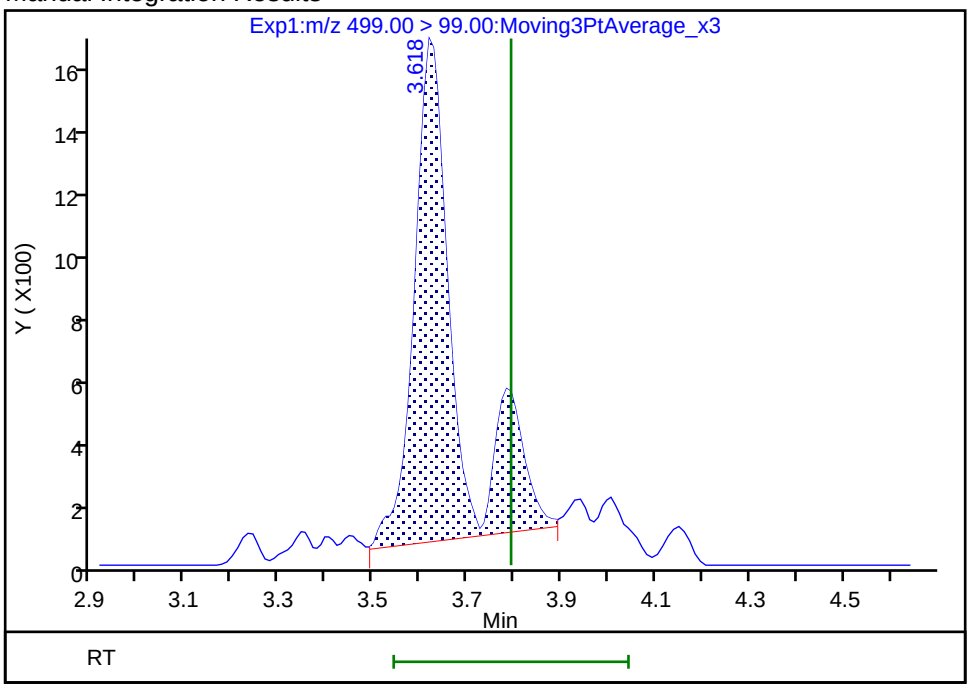
Processing Integration Results

RT: 3.62
Area: 14797
Amount: 0.023308
Amount Units: ng/ml



Manual Integration Results

RT: 3.62
Area: 9456
Amount: 0.000416
Amount Units: ng/ml



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

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

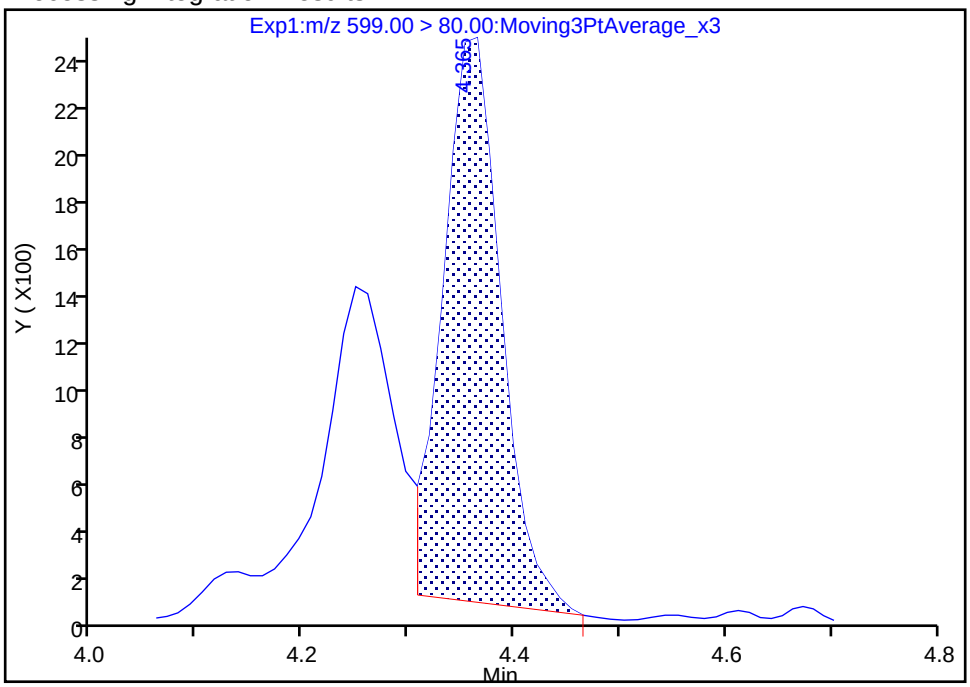
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B21.d				
Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection 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

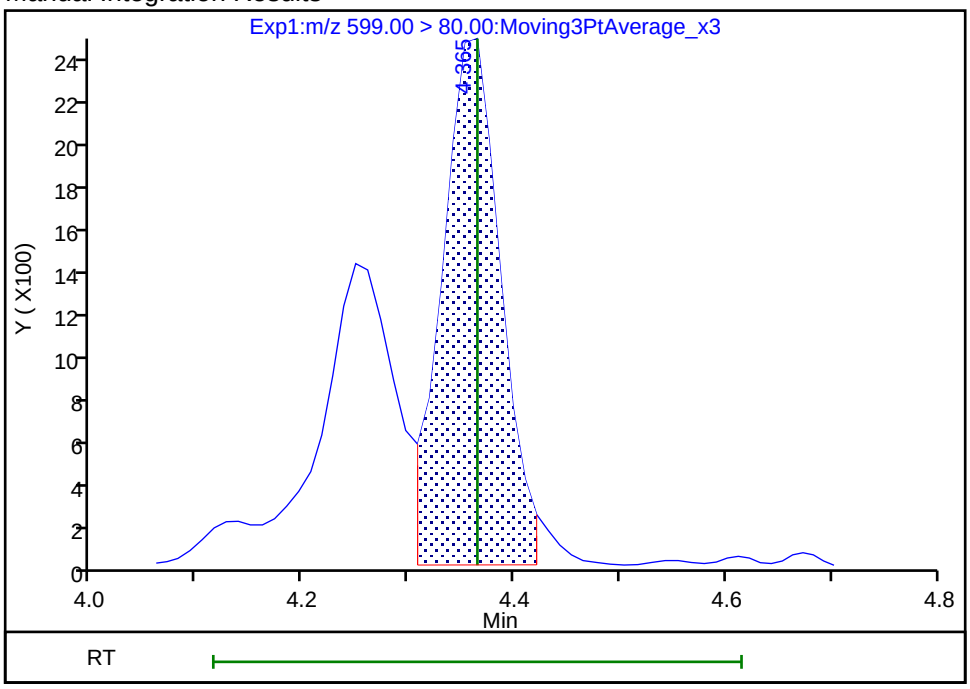
Processing Integration Results

RT: 4.36
Area: 9131
Amount: 0.028210
Amount Units: ng/ml



Manual Integration Results

RT: 4.36
Area: 9443
Amount: 0.029174
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:52:58

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

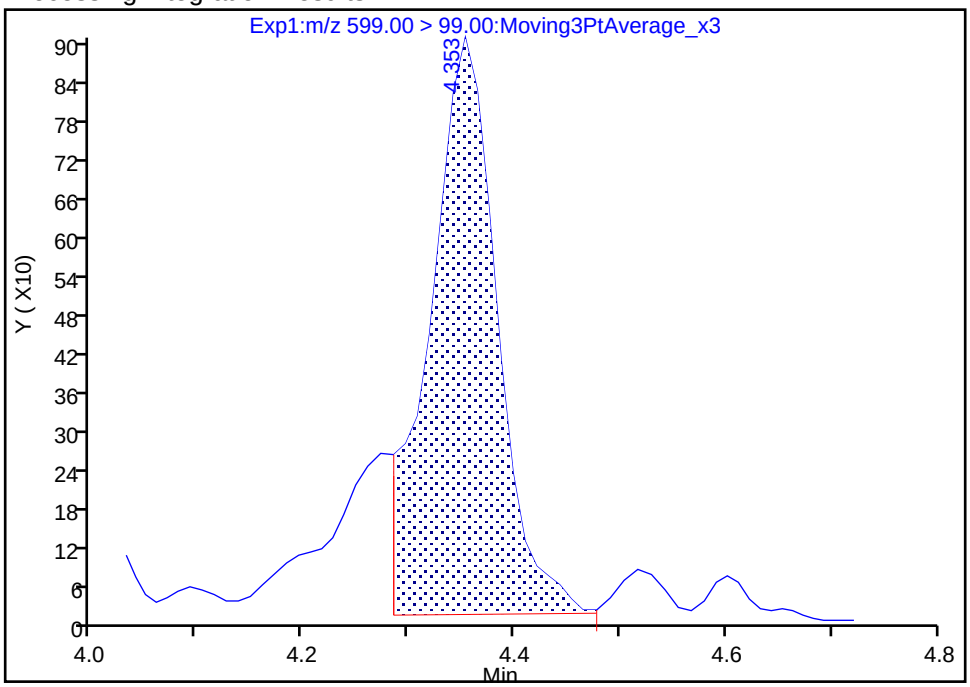
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B21.d				
Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection 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

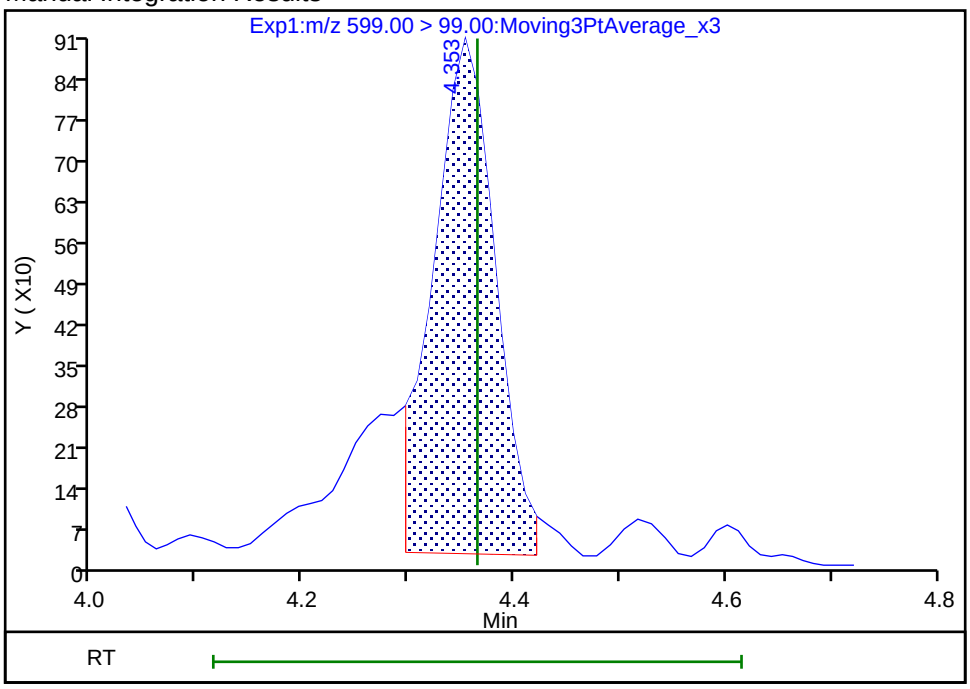
Processing Integration Results

RT: 4.35
Area: 3956
Amount: 0.028210
Amount Units: ng/ml



Manual Integration Results

RT: 4.35
Area: 3588
Amount: 0.029174
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:53:05

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

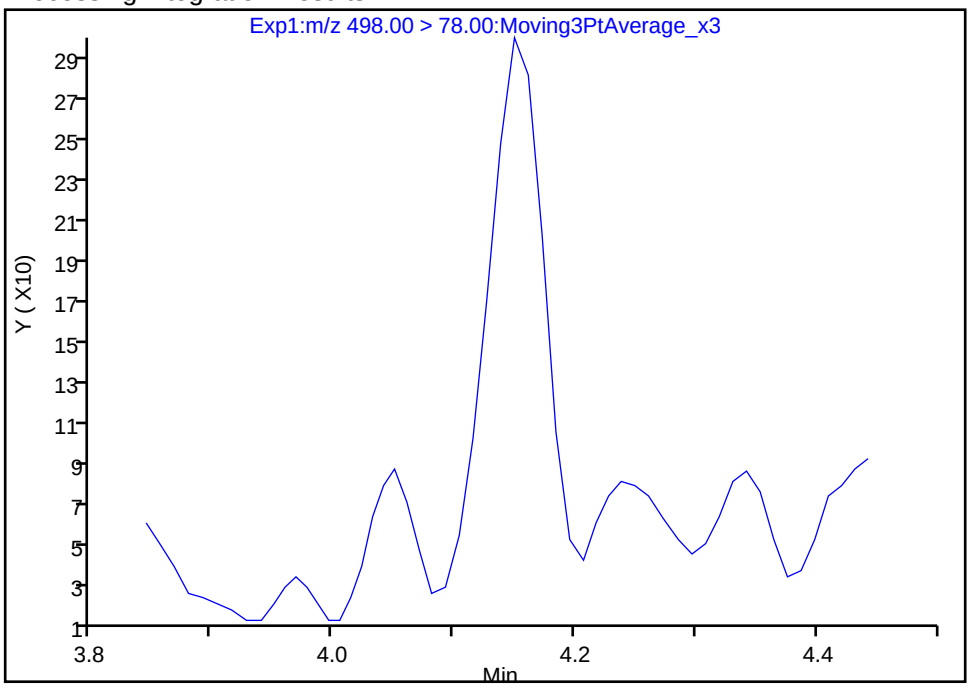
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B21.d				
Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection 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

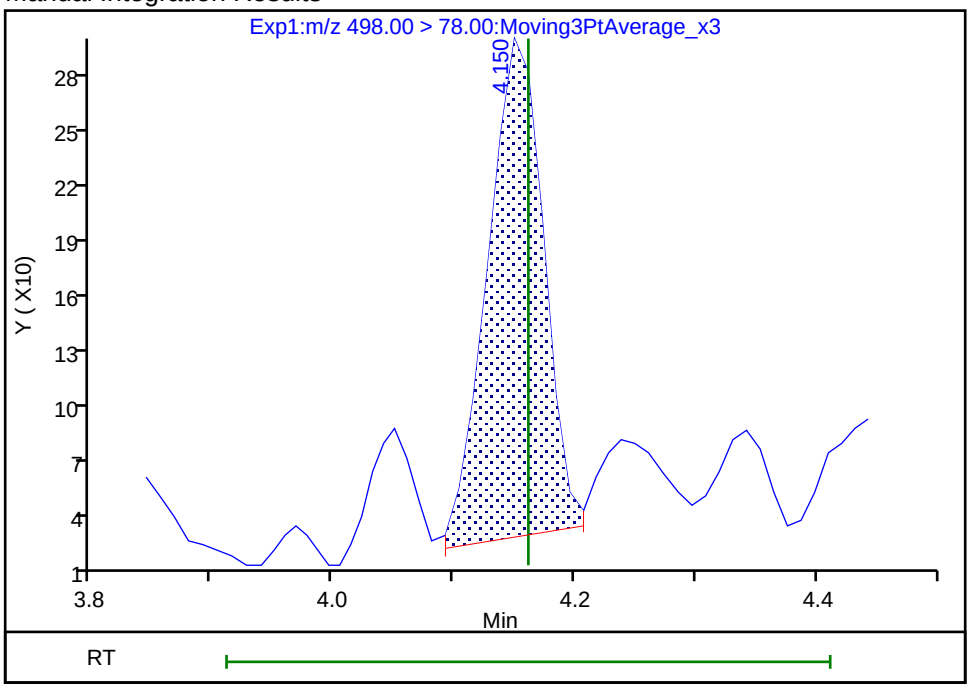
Not Detected
Expected RT: 4.16

Processing Integration Results



Manual Integration Results

RT: 4.15
Area: 855
Amount: 0.000979
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:52:41
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

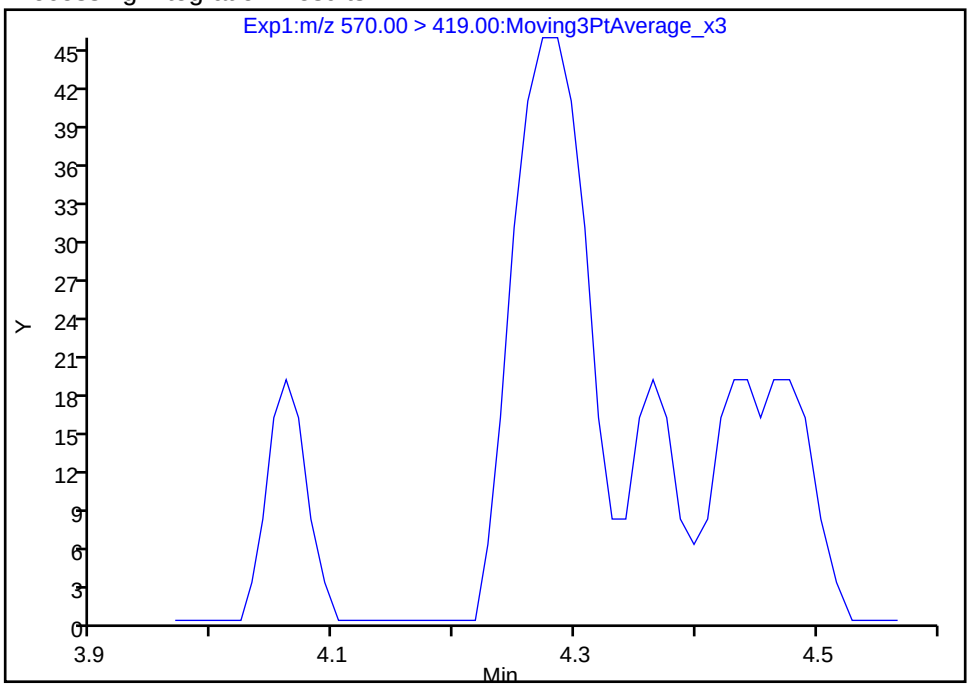
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B21.d				
Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

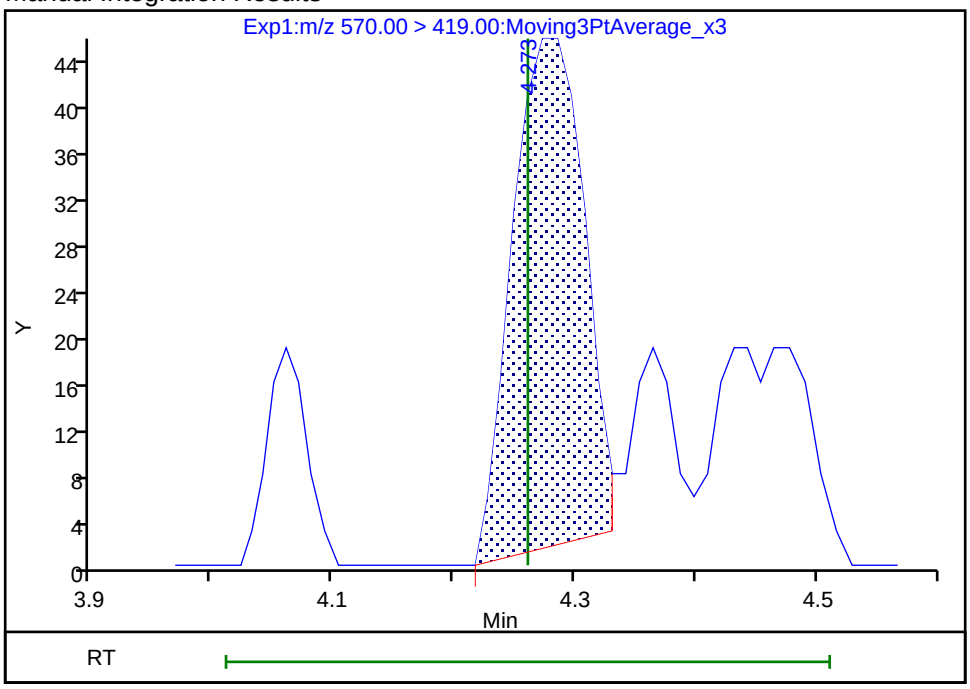
Not Detected
Expected RT: 4.26

Processing Integration Results



Manual Integration Results

RT: 4.27
Area: 183
Amount: 0.001649
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:42:16
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

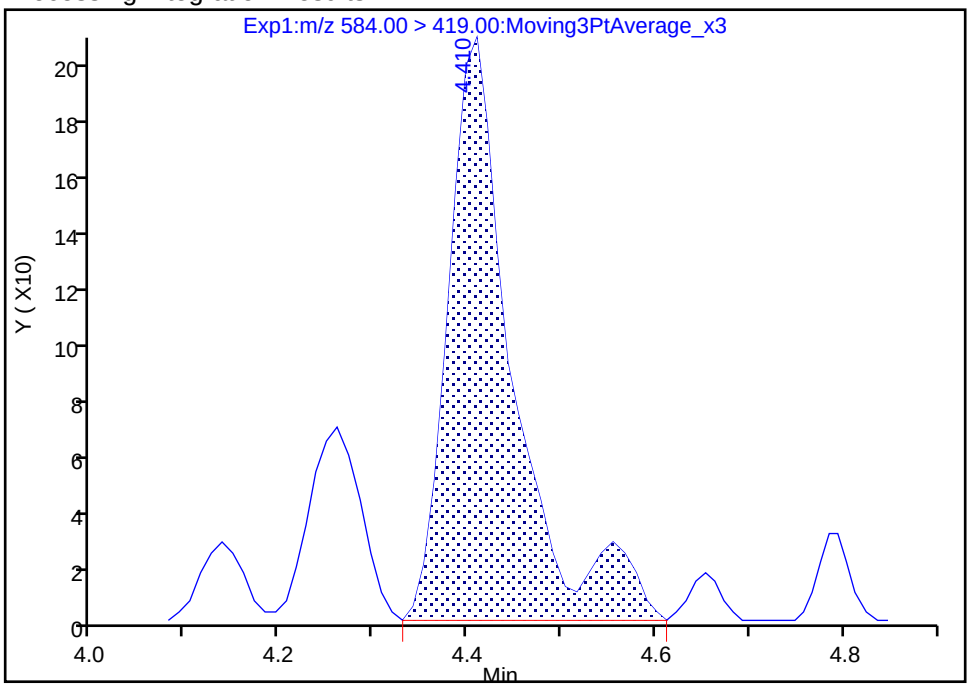
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B21.d				
Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection 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

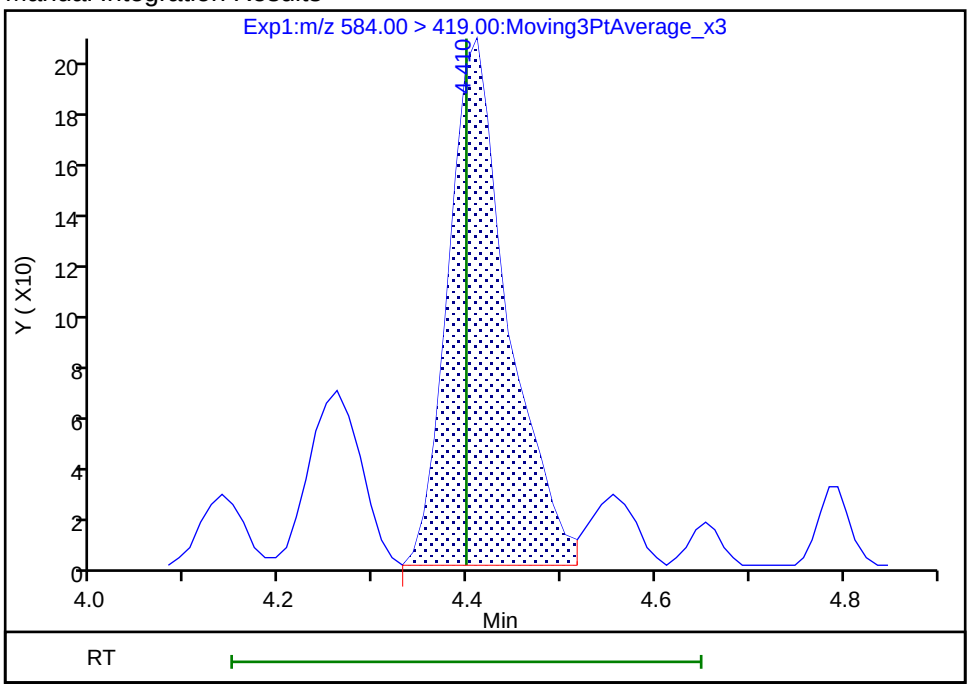
Processing Integration Results

RT: 4.41
Area: 1005
Amount: 0.009410
Amount Units: ng/ml



Manual Integration Results

RT: 4.41
Area: 913
Amount: 0.008549
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:42:39

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

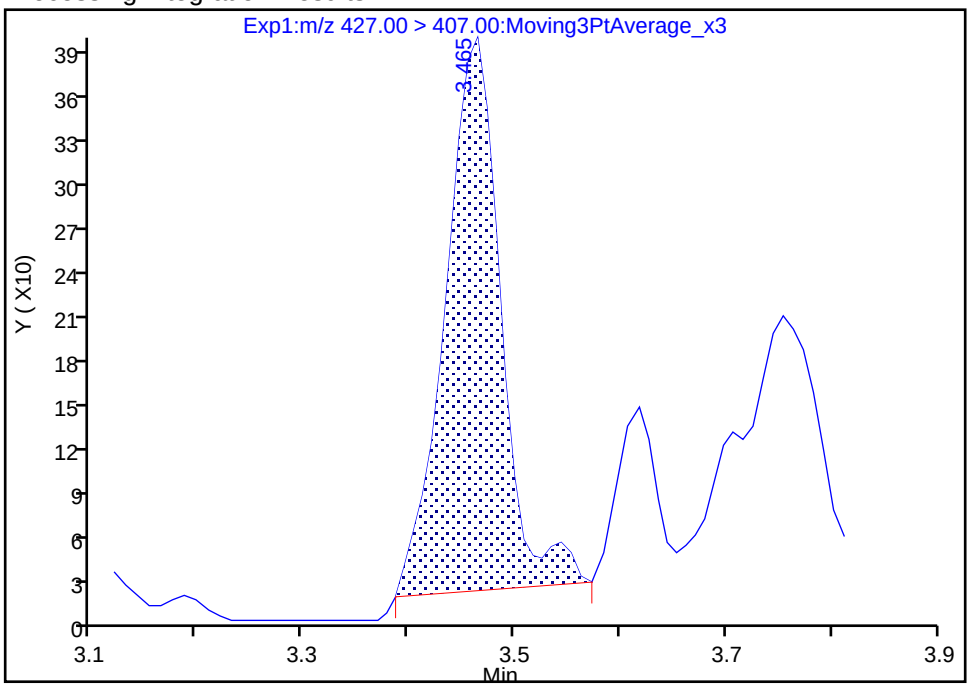
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B21.d				
Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

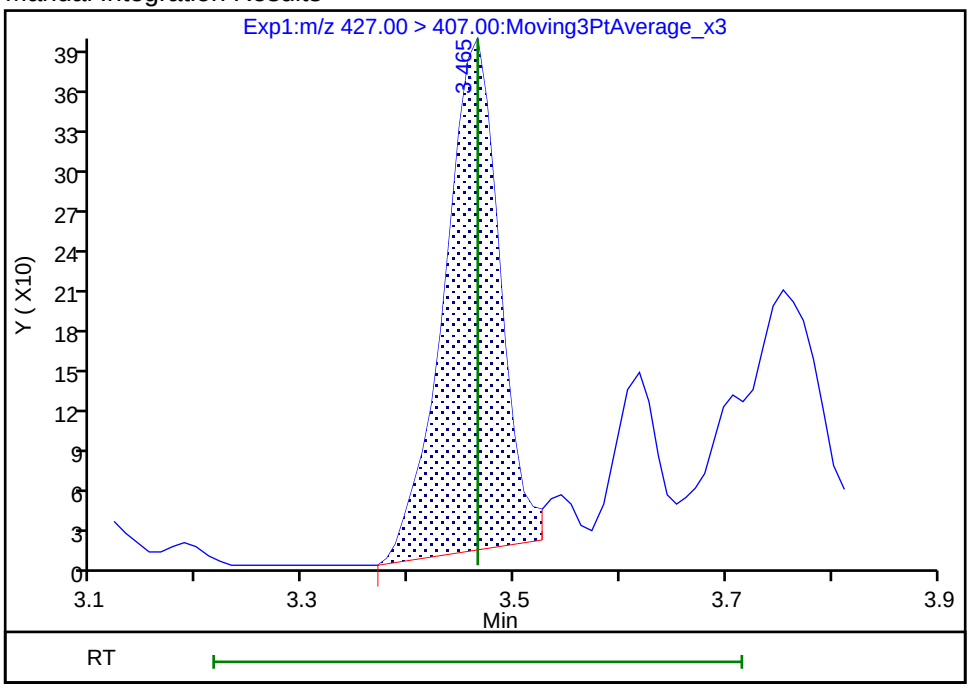
Processing Integration Results

RT: 3.47
Area: 1370
Amount: -0.009124
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 1403
Amount: -0.008939
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:40:40

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

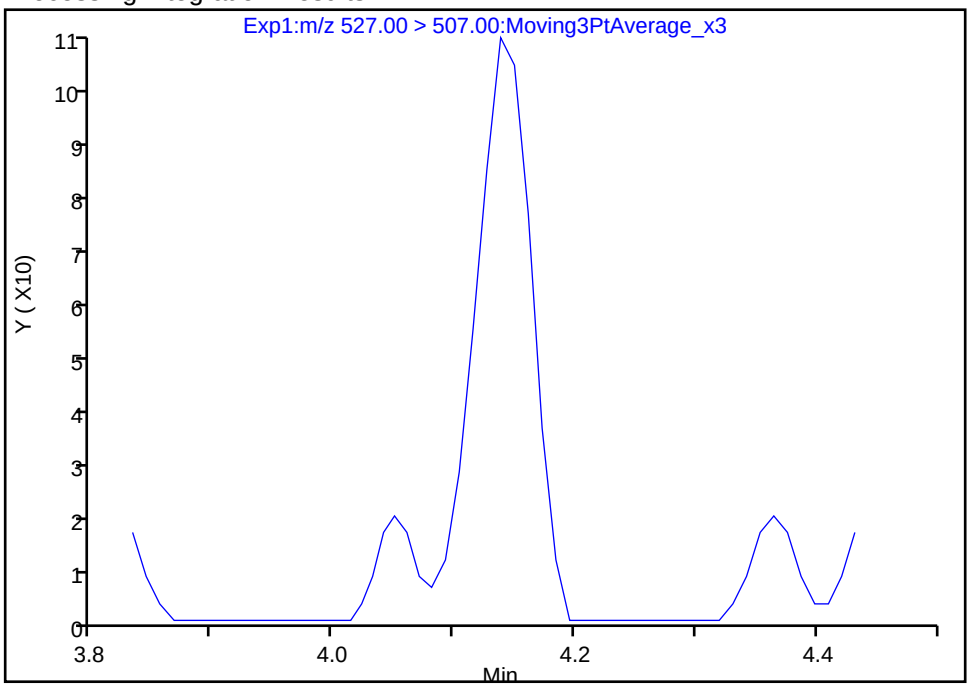
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B21.d				
Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection 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

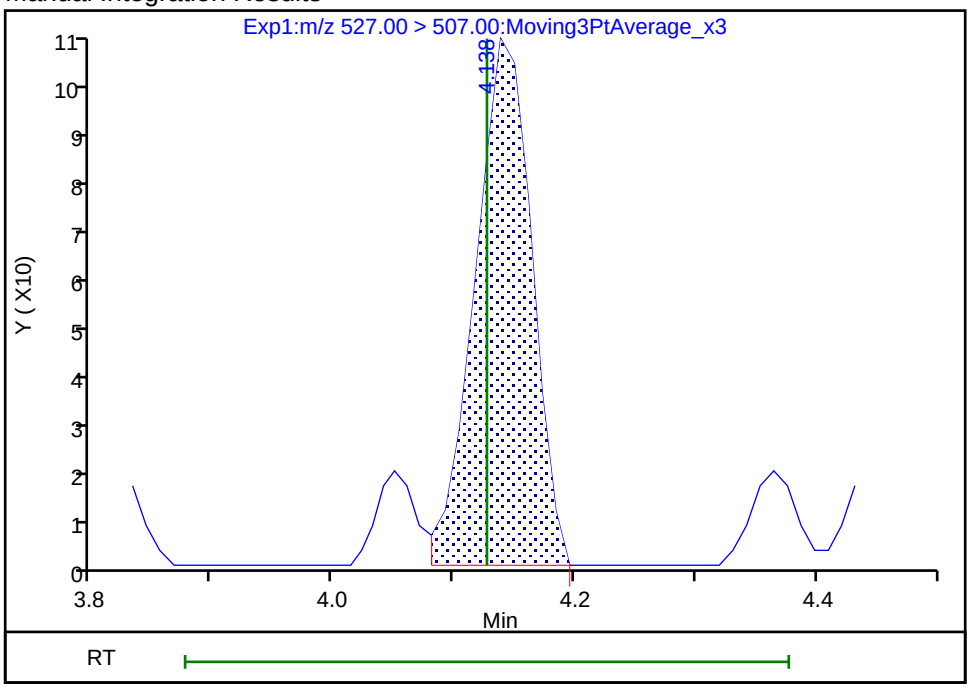
Not Detected
Expected RT: 4.13

Processing Integration Results



Manual Integration Results

RT: 4.14
Area: 345
Amount: 0.002365
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:42:03
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

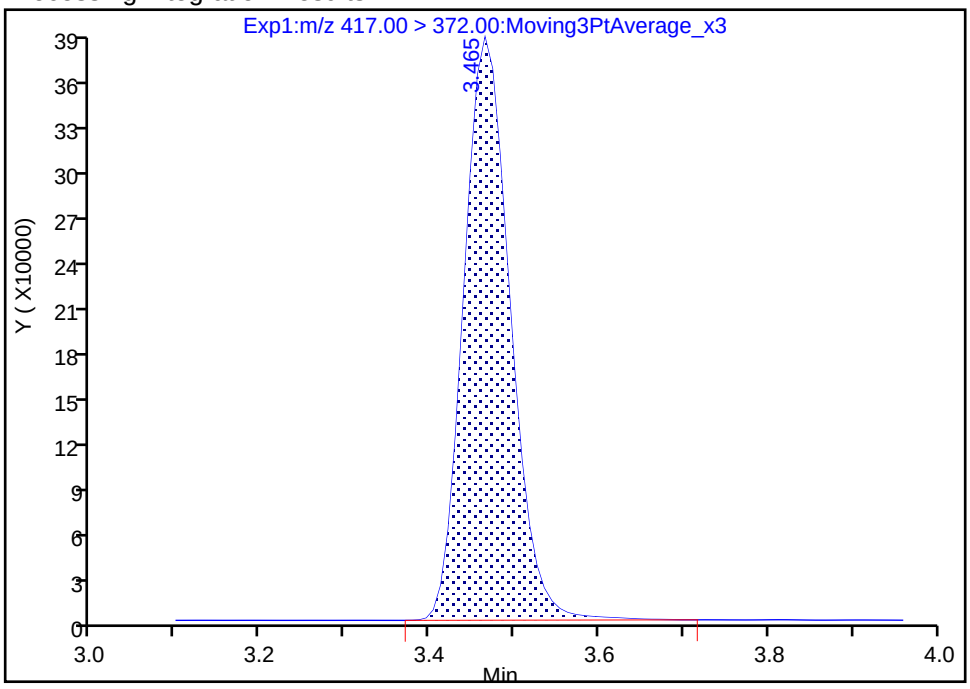
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B21.d				
Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

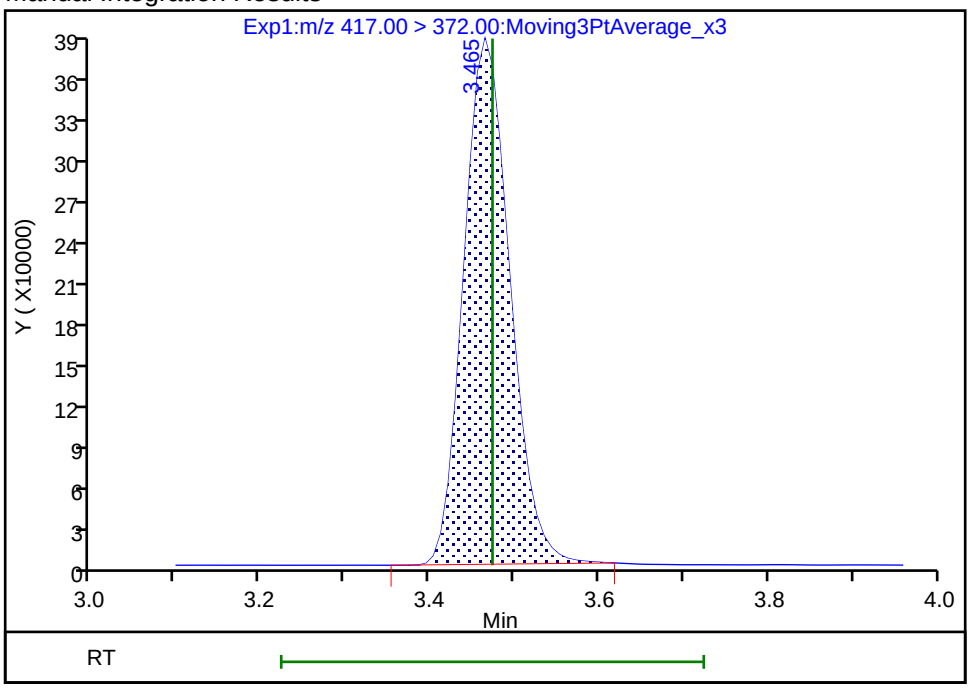
Processing Integration Results

RT: 3.47
Area: 1472065
Amount: 1.183096
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 1458045
Amount: 1.171828
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:52:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

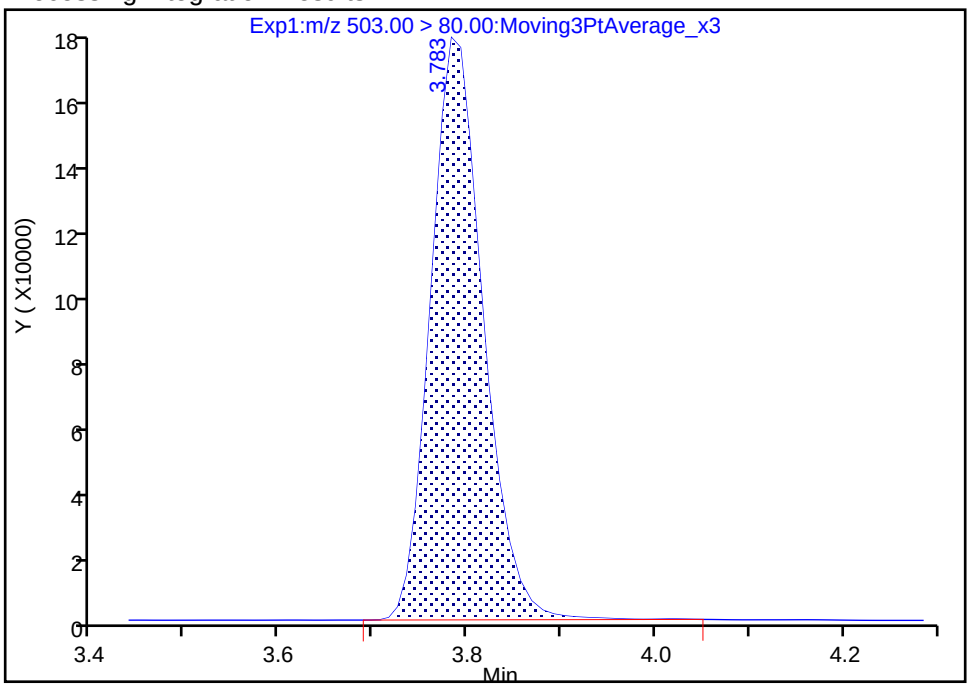
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Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 18 13C4 PFOS, CAS: STL00991

Signal: 1

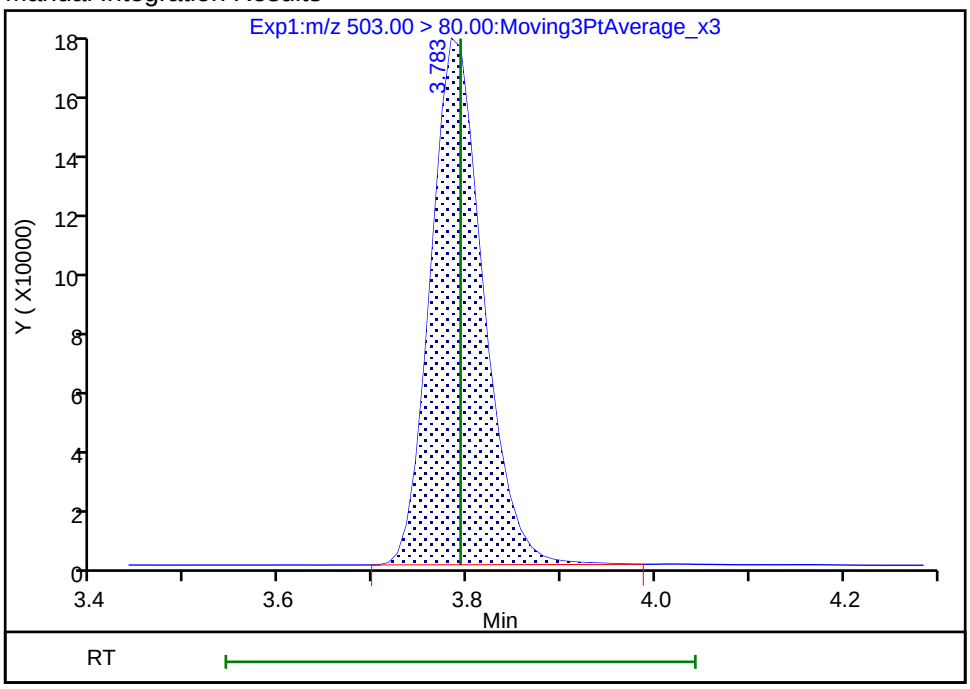
Processing Integration Results

RT: 3.78
Area: 664623
Amount: 0.931174
Amount Units: ng/ml



Manual Integration Results

RT: 3.78
Area: 663851
Amount: 0.931703
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:38:36

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

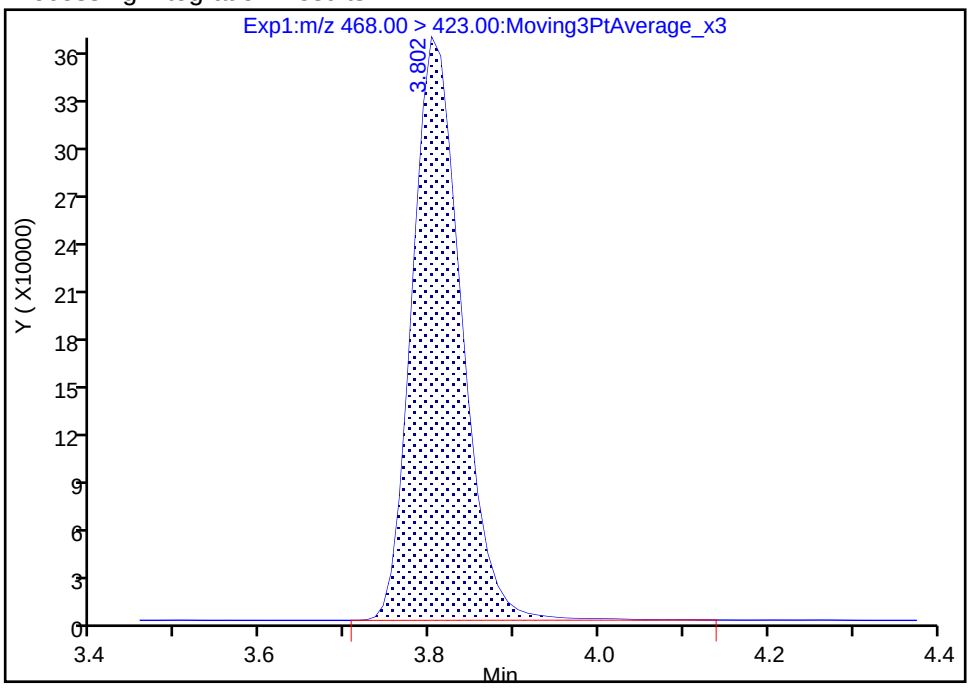
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Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

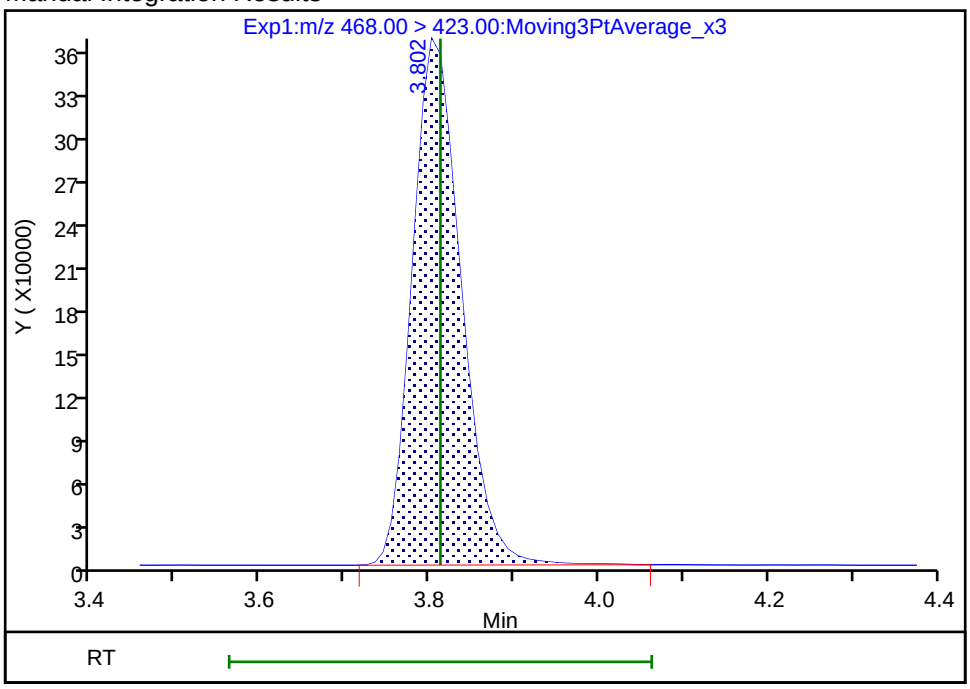
Processing Integration Results

RT: 3.80
Area: 1482557
Amount: 1.145727
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 1479726
Amount: 1.145520
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:38:41

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

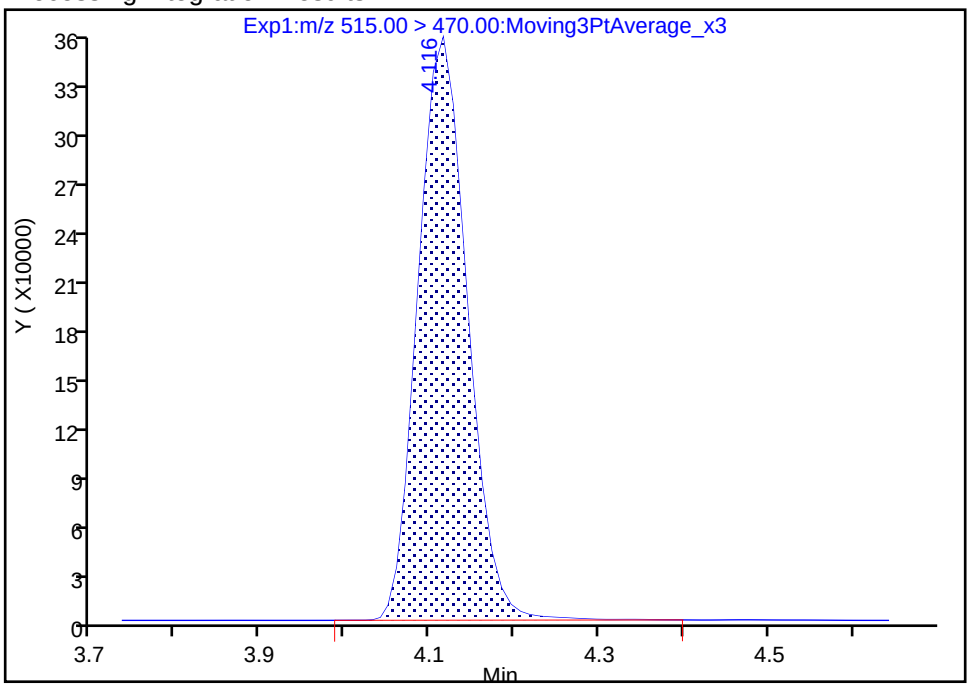
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B21.d				
Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	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

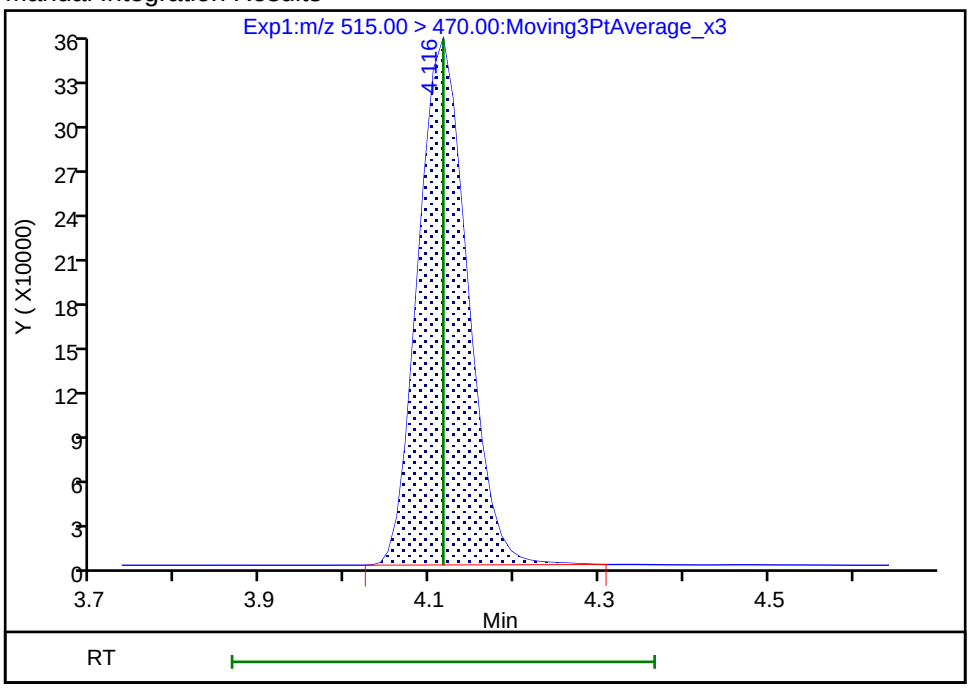
Processing Integration Results

RT: 4.12
Area: 1421135
Amount: 1.128464
Amount Units: ng/ml



Manual Integration Results

RT: 4.12
Area: 1417836
Amount: 1.127794
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:38:48

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

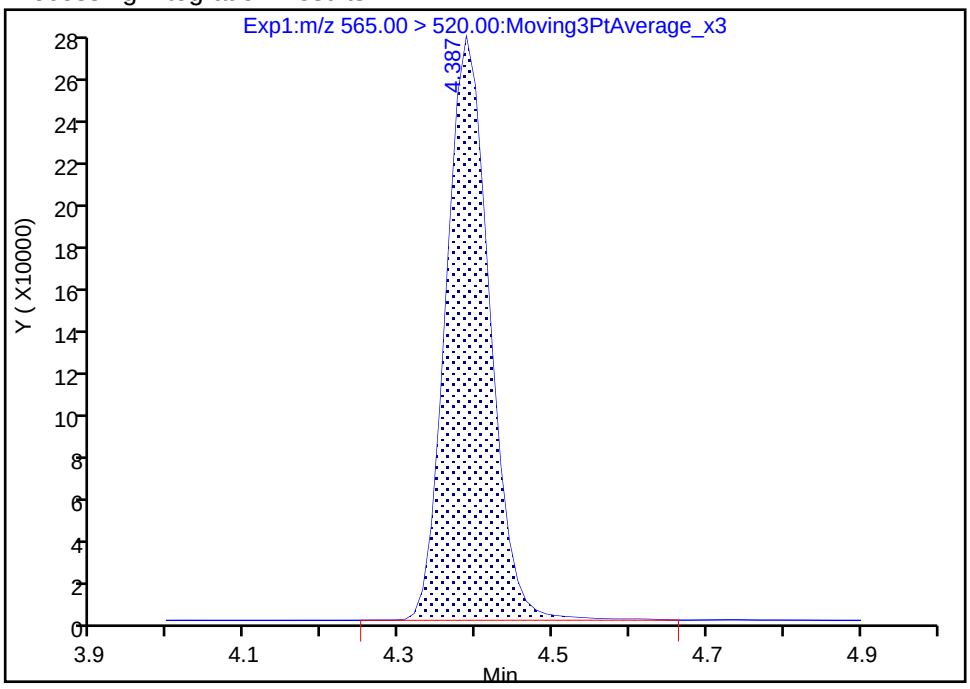
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B21.d				
Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	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

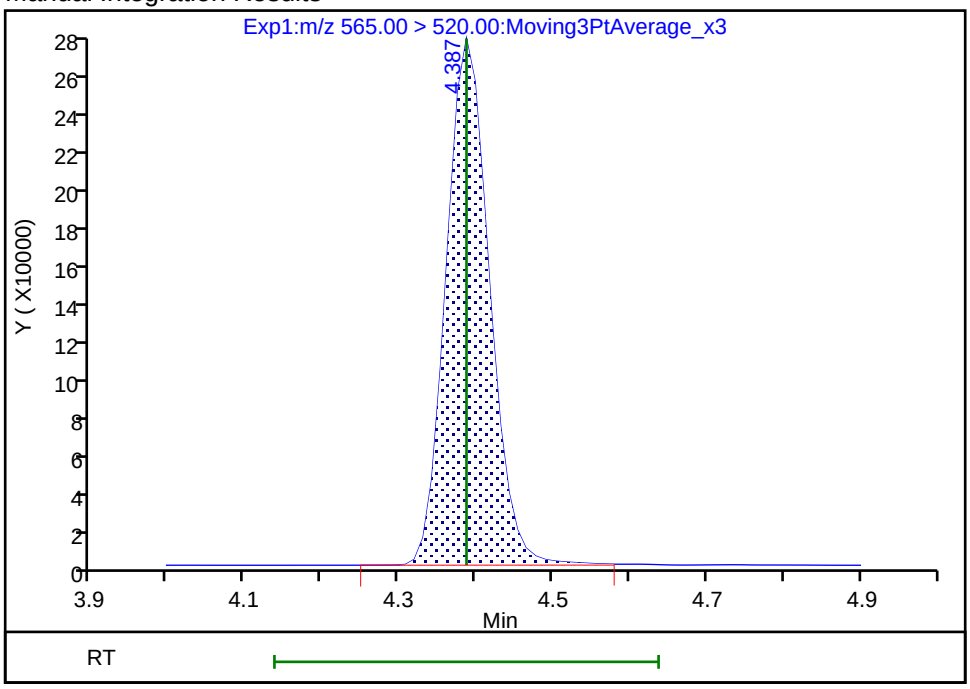
Processing Integration Results

RT: 4.39
Area: 1095697
Amount: 1.148308
Amount Units: ng/ml



Manual Integration Results

RT: 4.39
Area: 1094108
Amount: 1.148629
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:38:58

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

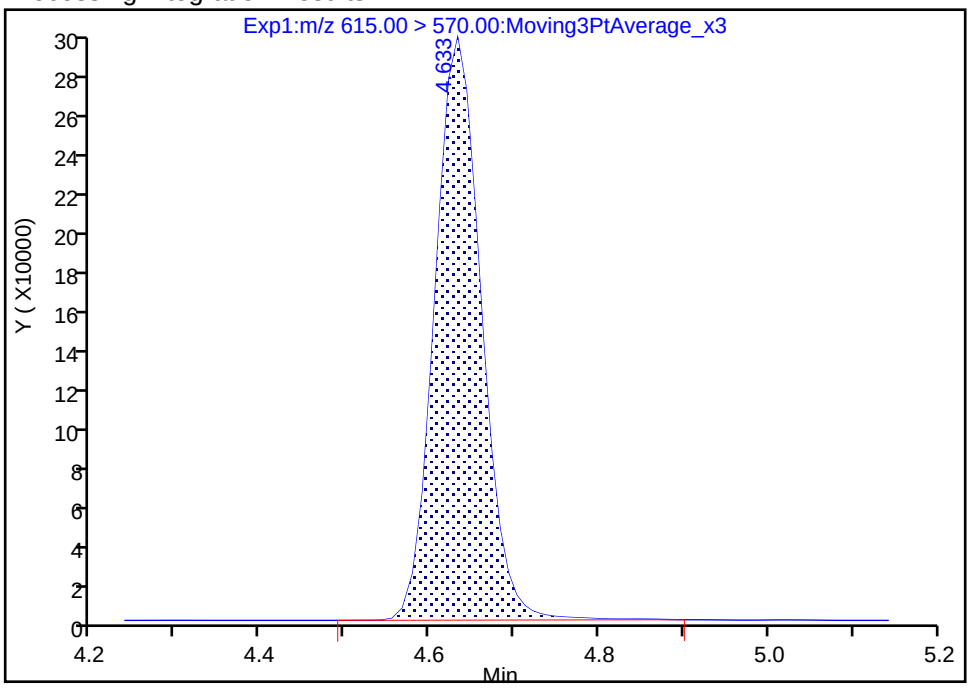
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B21.d				
Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	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 PFDoA, CAS: STL00998

Signal: 1

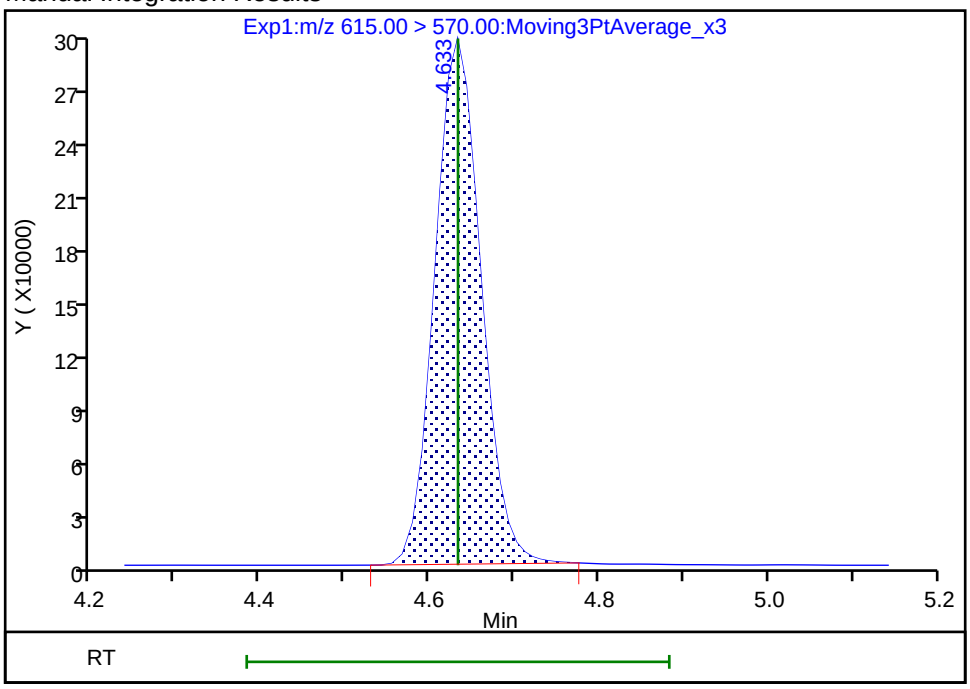
Processing Integration Results

RT: 4.63
Area: 1142060
Amount: 1.157038
Amount Units: ng/ml



Manual Integration Results

RT: 4.63
Area: 1130862
Amount: 1.145693
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:53:16

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

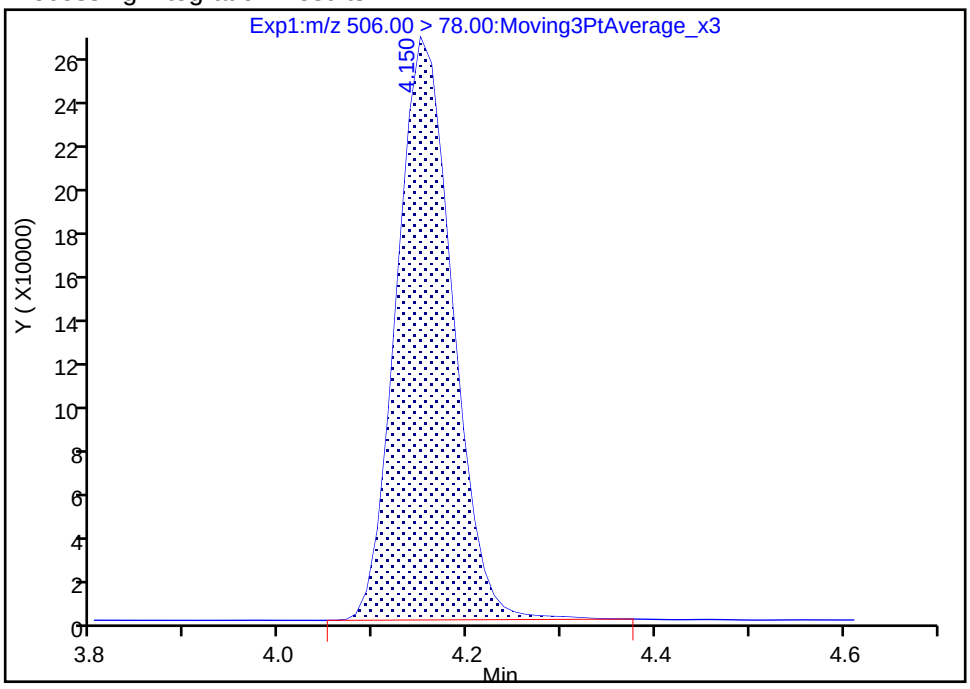
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B21.d				
Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	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

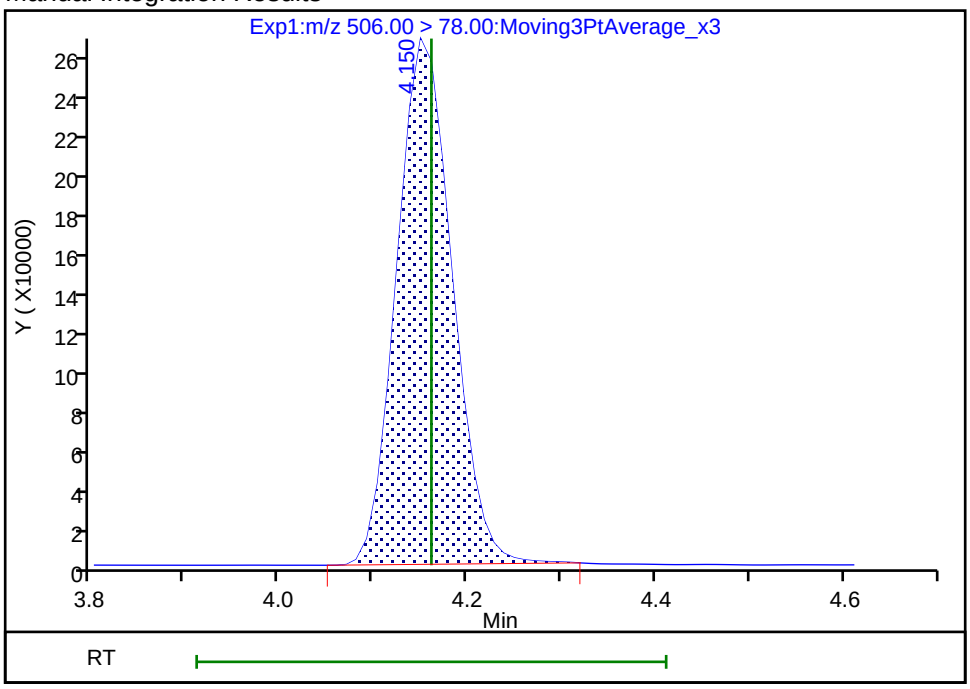
Processing Integration Results

RT: 4.15
Area: 1077865
Amount: 0.979600
Amount Units: ng/ml



Manual Integration Results

RT: 4.15
Area: 1071561
Amount: 0.973870
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:52:30

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

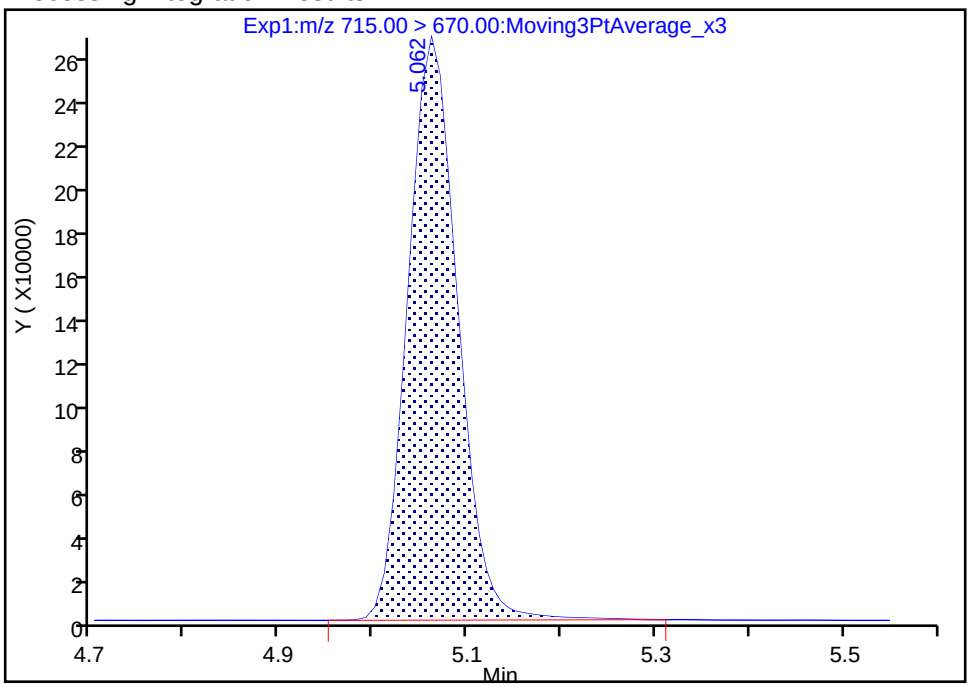
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B21.d		
Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12
Client ID:	BCS-09-27 (5-5.5)P		
Operator ID:	lc812tech	ALS Bottle#:	21 Worklist Smp#: 21
Injection Vol:	20.0 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

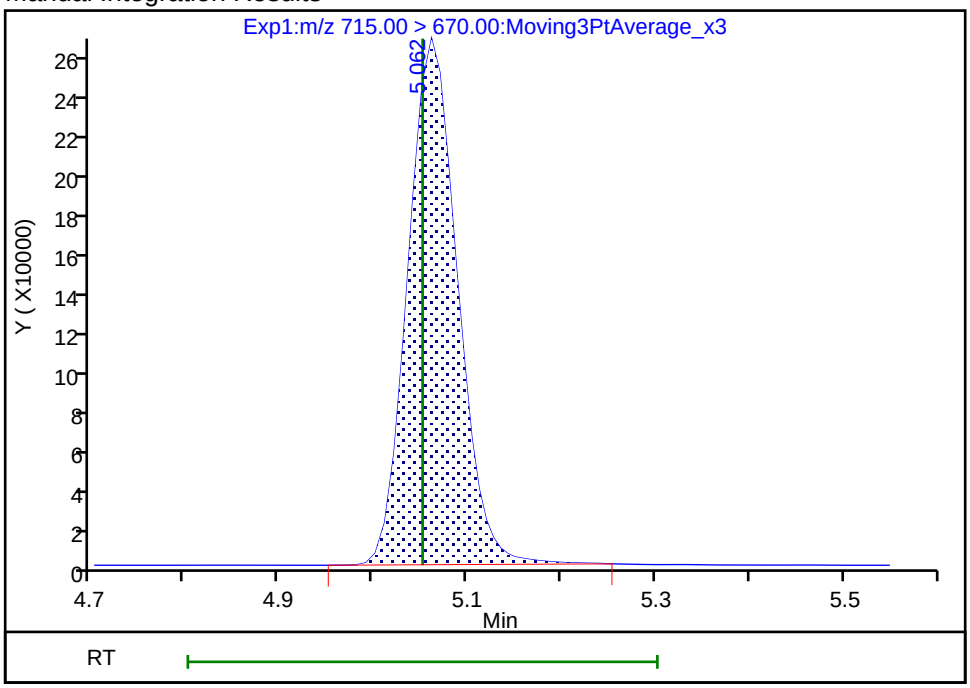
Processing Integration Results

RT: 5.06
Area: 968697
Amount: 1.200533
Amount Units: ng/ml



Manual Integration Results

RT: 5.06
Area: 964109
Amount: 1.194847
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:53:26

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

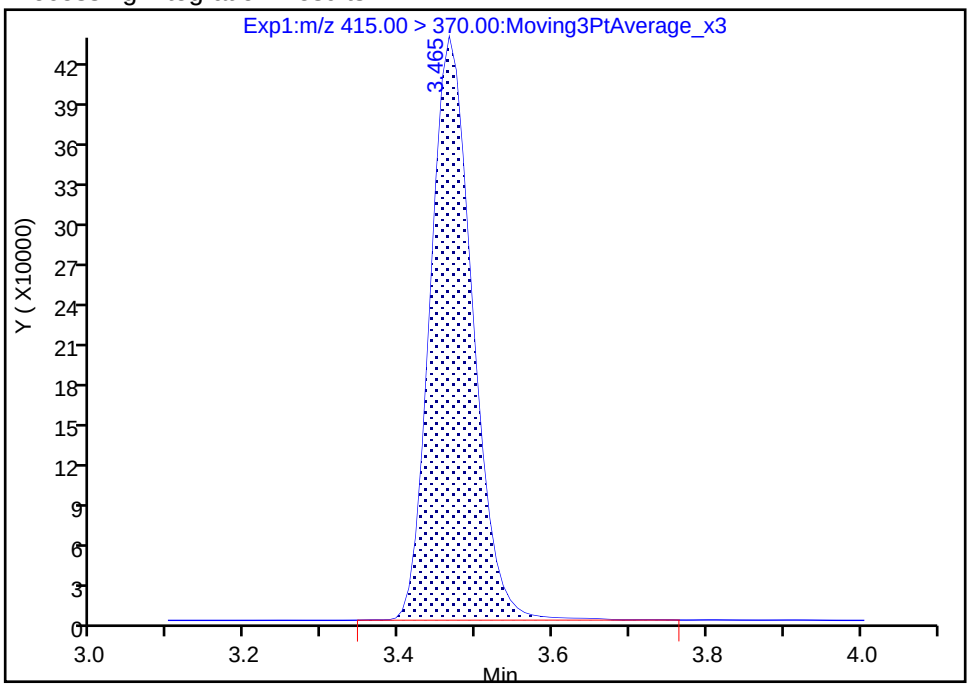
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Injection Date:	04-Aug-2022 16:44:54	Instrument ID:	LC812		
Lims ID:	460-262897-A-12-A	Lab Sample ID:	200-262897-12		
Client ID:	BCS-09-27 (5-5.5)P				
Operator ID:	lc812tech	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

* 62 13C2 PFOA, CAS: STL00623

Signal: 1

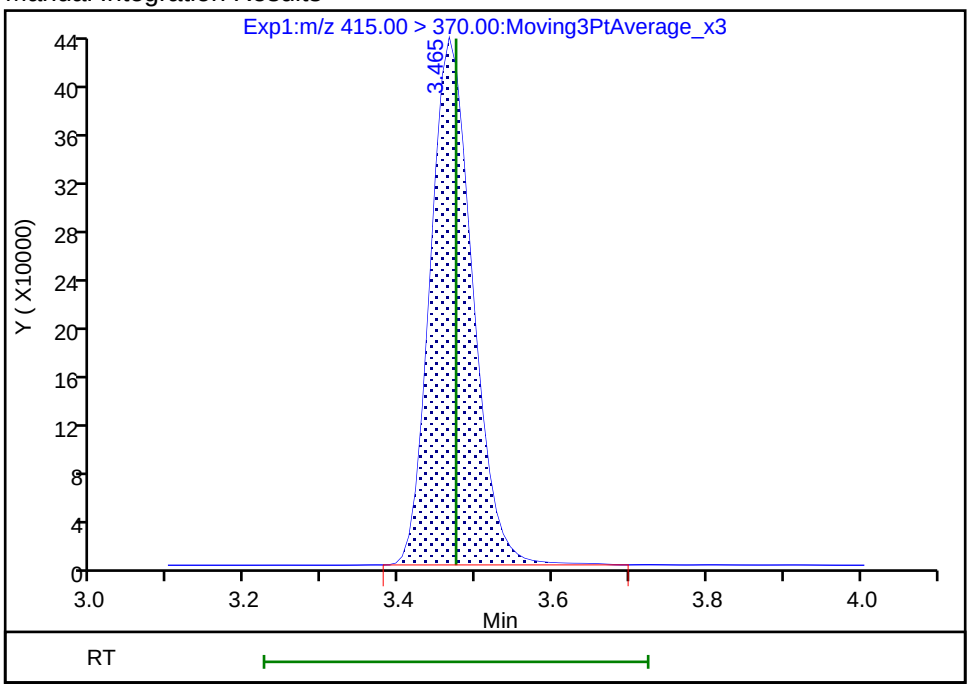
Processing Integration Results

RT: 3.47
Area: 1635648
Amount: 1.250000
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 1632820
Amount: 1.250000
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 12:39:09
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 460-262897-1

SDG No.:

Client Sample ID: FB_20220729 | Lab Sample ID: 460-262897-13

Matrix: Water | Lab File ID: PA220804C08.d

Analysis Method: 537 (modified) | Date Collected: 07/29/2022 13:05

Extraction Method: 3535 | Date Extracted: 08/04/2022 11:45

Sample wt/vol: 287.8(mL) | Date Analyzed: 08/04/2022 17:58

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.: 182386 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	4.34	U	4.34	1.04
2706-90-3	Perfluoropentanoic acid (PFPeA)	1.74	U	1.74	0.59
307-24-4	Perfluorohexanoic acid (PFHxA)	1.74	U	1.74	0.56
375-85-9	Perfluoroheptanoic acid (PFHpA)	1.74	U	1.74	0.47
335-67-1	Perfluorooctanoic acid (PFOA)	1.74	U	1.74	0.66
375-95-1	Perfluorononanoic acid (PFNA)	1.74	U	1.74	0.43
335-76-2	Perfluorodecanoic acid (PFDA)	1.74	U	1.74	0.40
2058-94-8	Perfluoroundecanoic acid (PFUnA)	1.74	U	1.74	0.48
307-55-1	Perfluorododecanoic acid (PFDoA)	1.74	U	1.74	0.43
72629-94-8	Perfluorotridecanoic acid (PFTriA)	1.74	U	1.74	0.42
376-06-7	Perfluorotetradecanoic acid (PFTeA)	1.74	U	1.74	0.56
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.74	U	1.74	0.54
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.74	U	1.74	0.48
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	1.74	U	1.74	0.36
335-77-3	Perfluorodecanesulfonic acid (PFDS)	1.74	U	1.74	0.35
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.74	U	1.74	0.74
754-91-6	Perfluorooctanesulfonamide (FOSA)	1.74	U	1.74	0.80
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	4.34	U	4.34	1.65
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	4.34	U	4.34	1.39
27619-97-2	6:2 FTS	4.34	U	4.34	1.13
39108-34-4	8:2 FTS	1.74	U	1.74	0.67

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Client Sample ID: FB_20220729 Lab Sample ID: 460-262897-13

Matrix: Water Lab File ID: PA220804C08.d

Analysis Method: 537 (modified) Date Collected: 07/29/2022 13:05

Extraction Method: 3535 Date Extracted: 08/04/2022 11:45

Sample wt/vol: 287.8(mL) Date Analyzed: 08/04/2022 17:58

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.: 182386 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL01056	13C8 FOSA	80		50-150
STL00992	13C4 PFBA	102		50-150
STL01893	13C5 PFPeA	105		50-150
STL00993	13C2 PFHxA	102		50-150
STL01892	13C4 PFHpA	99		50-150
STL00990	13C4 PFOA	102		50-150
STL00995	13C5 PFNA	99		50-150
STL00996	13C2 PFDA	97		50-150
STL00997	13C2 PFUnA	94		50-150
STL00998	13C2 PFDoA	90		50-150
STL02116	13C2 PFTeDA	93		50-150
STL02337	13C3 PFBS	95		50-150
STL00994	18O2 PFHxS	96		50-150
STL00991	13C4 PFOS	88		50-150
STL02118	d3-NMeFOSAA	76		50-150
STL02117	d5-NEtFOSAA	77		50-150
STL02279	M2-6:2 FTS	98		50-150
STL02280	M2-8:2 FTS	99		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d
Lims ID: 460-262897-A-13-A
Client ID: FB_20220729
Sample Type: Client
Inject. Date: 04-Aug-2022 17:58:34 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: 460-262897-A-13-A
Misc. Info.: 200-0051963-008 Plate: 1 Rack: 3
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 05-Aug-2022 14:47:53 Calib Date: 03-Aug-2022 13:41:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1640

First Level Reviewer: khanphomeea Date: 05-Aug-2022 09:55:45
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										M
217.00 > 172.00	2.068	2.076	-0.008	0.597	2329180	1.28		102	8986	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.085	0.0	1.008	18701	0.0103			1.3	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.373	2.400	-0.027	0.685	1845809	1.32		105	3400	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.360	2.400	-0.040	0.994	8990	0.005905			0.2	M
D 47 13C3 PFBS										
301.90 > 80.00	2.400	2.413	-0.013	0.693	1792448	1.11		95.1	268504	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.400	2.413	-0.013	1.000	5506	0.003235	Target=2.23		6.9	M
298.90 > 99.00	2.400	2.413	-0.013	1.000	3741		1.47(1.11-3.34)		1.7	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.737	2.750	-0.013	1.004	3588	0.002417	Target=12.24		0.7	M
313.00 > 119.00	2.725	2.750	-0.025	1.000	486		7.38(6.12-18.36)		0.8	M
D 7 13C2 PFHxA										M
315.00 > 270.00	2.725	2.750	-0.025	0.787	1778255	1.27		102	2644	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.099	3.110	-0.011	0.894	1288631	1.13		95.5	2619	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.099	3.110	-0.011	1.000	5470	0.004551	Target=3.43		17.2	M
399.00 > 99.00	3.088	3.110	-0.022	0.996	2545		2.15(1.72-5.15)		3.3	M
D 9 13C4 PFHpA										M
367.00 > 322.00	3.110	3.121	-0.011	0.897	1798898	1.24		99.2	1799	M
10 Perfluoroheptanoic acid										RM
363.00 > 319.00	3.121	3.121	0.0	1.004	1624	0.001095	Target=3.73		0.6	RM
363.00 > 169.00	3.110	3.121	-0.011	1.000	1153		1.41(1.86-5.59)		2.6	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.456	3.465	-0.009	0.997	221277	1.16		97.6	511	M
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.465	3.465	0.0	1.003	899	-0.0135			4.6	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.474	3.465	0.009	0.918	1242	0.001338	Target=4.89		4.0	
449.00 > 99.00	3.456	3.465	-0.009	0.914	326		3.81(2.44-7.33)		2.3	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.456	3.474	-0.018	0.997	1979	0.001167	Target=2.67		0.3	M
413.00 > 169.00	3.474	3.474	0.0	1.003	1422		1.39(1.34-4.01)		3.9	M
D 14 13C4 PFOA										
417.00 > 372.00	3.465	3.474	-0.009	1.000	1889656	1.27		102	2993	
* 62 13C2 PFOA										
415.00 > 370.00	3.465	3.474	-0.009		1951668	1.25			7995	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.773	3.792	-0.019	0.997	3680	-0.0135	Target=4.88		2.0	M
499.00 > 99.00	3.773	3.792	-0.019	0.997	1113		3.31(2.44-7.32)		5.7	M
D 18 13C4 PFOS										
503.00 > 80.00	3.783	3.792	-0.009	1.092	897372	1.05		88.2	2518	
20 Perfluorononanoic acid										RM
463.00 > 419.00	3.812	3.812	0.0	1.003	2103	0.001349	Target=8.23		0.8	RM
463.00 > 169.00	3.792	3.812	-0.020	0.997	625		3.36(4.11-12.34)		7.9	M
D 19 13C5 PFNA										
468.00 > 423.00	3.802	3.812	-0.010	1.097	1915529	1.24		99.3	2846	
24 Perfluorodecanoic acid										RM
513.00 > 469.00	4.116	4.116	0.0	1.000	2762	0.001802	Target=9.67		2.4	RM
513.00 > 169.00	4.093	4.116	-0.023	0.994	813		3.40(4.83-14.50)		3.4	M
D 23 13C2 PFDA										M
515.00 > 470.00	4.116	4.116	0.0	1.188	1821733	1.21		97.0	2090	M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.127	4.127	0.0	1.003	197	0.000900			5.6	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.116	4.127	-0.011	1.188	271522	1.18		98.7	1148	
D 21 13C8 FOSA										M
506.00 > 78.00	4.150	4.161	-0.011	1.198	1310536	1.00		79.7	1685	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.150	4.161	-0.011	1.000	1358	0.001271			6.0	M
28 N-methylperfluorooctanesulfonami										
570.00 > 419.00	4.273	4.261	0.012	1.003	387	0.002833			0.5	
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.261	4.261	0.0	1.230	192285	0.9547		76.4	929	
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.365	4.365	0.0	1.154	661	0.001511	Target=2.80		11.6	M
599.00 > 99.00	4.342	4.365	-0.023	1.148	271		2.44(1.40-4.20)		3.1	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.387	4.387	0.0	1.266	1332495	1.17		93.6	2341	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.376	4.387	-0.011	0.997	1308	0.001158	Target=9.07		1.3	M
563.00 > 169.00	4.387	4.387	0.0	1.000	136		9.62(4.54-13.61)		2.9	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.410	4.399	0.011	1.003	259	0.001933			4.3	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.399	4.399	-0.001	1.269	184464	0.9676		77.4	920	
D 36 13C2 PFDoA										
615.00 > 570.00	4.633	4.633	0.0	1.337	1332314	1.13		90.3	1768	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.643	4.633	0.010	1.002	2644	0.002446	Target=6.97		0.5	M
613.00 > 169.00	4.654	4.633	0.021	1.004	390		6.78(3.48-10.45)		7.8	M
41 Perfluorotridecanoic acid										RM
663.00 > 619.00	4.870	4.859	0.011	1.051	1837	0.001960	Target=4.56		0.5	RM
663.00 > 169.00	4.859	4.859	0.0	1.049	201		9.14(2.28-6.84)		2.0	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.062	5.052	0.010	1.461	1120608	1.16		93.0	2389	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.071	5.052	0.019	1.002	514	0.003579	Target=0.94		8.1	M
713.00 > 219.00	5.071	5.052	0.019	1.002	513		1.00(0.47-1.41)		12.3	M

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Report Date: 05-Aug-2022 14:48:22 Chrom Revision: 2.3 04-Aug-2022 18:02:28

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d

Injection Date: 04-Aug-2022 17:58:34 Instrument ID: LC812

Lims ID: 460-262897-A-13-A Lab Sample ID: 200-262897-13

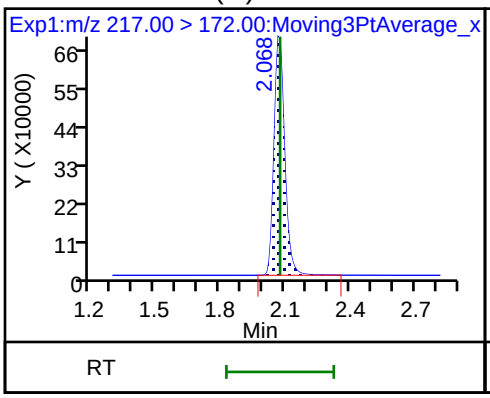
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Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 8

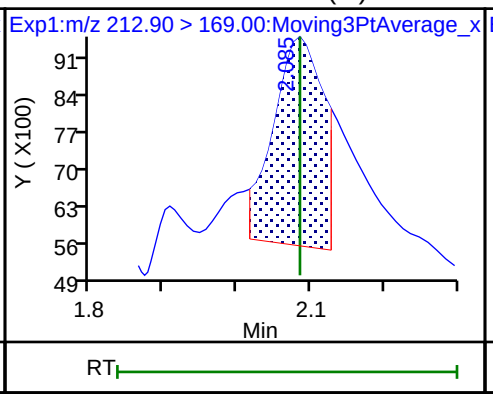
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

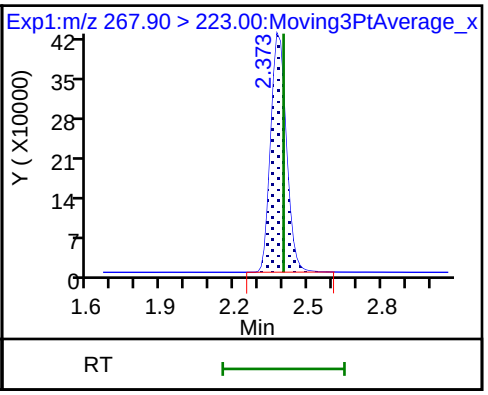
D 1 13C4 PFBA (M)



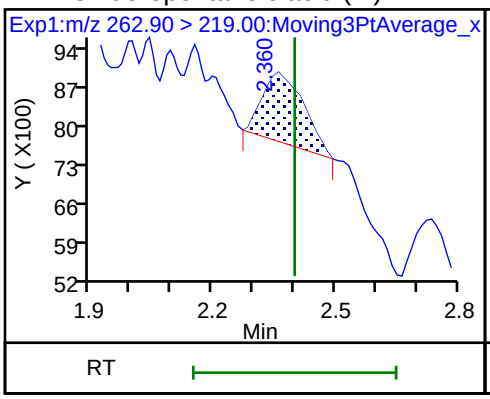
2 Perfluorobutanoic acid (M)



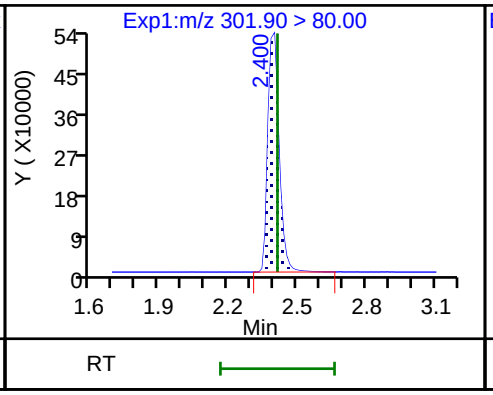
D 3 13C5 PFPeA



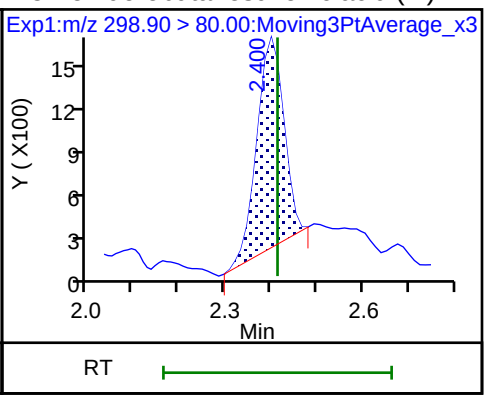
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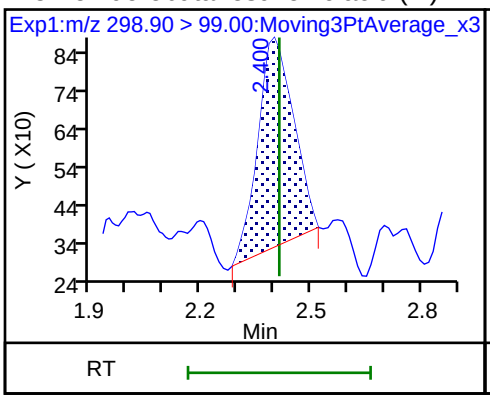
D 47 13C3 PFBS



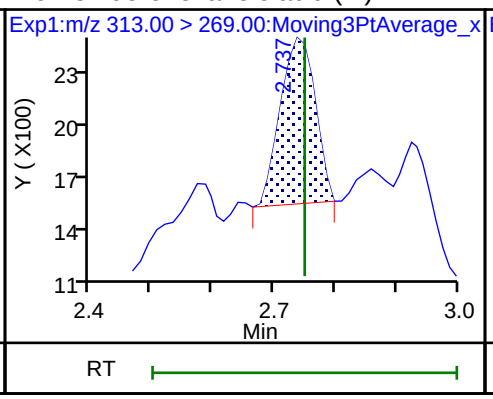
5 Perfluorobutanesulfonic acid (M)



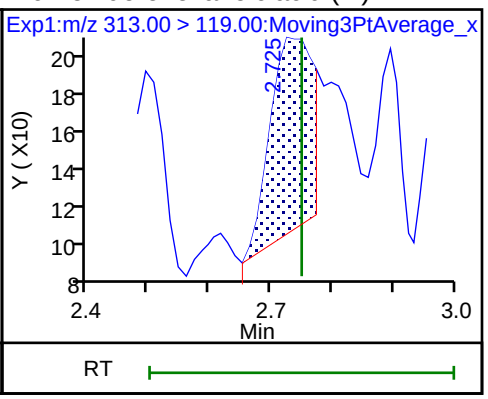
5 Perfluorobutanesulfonic acid (M)



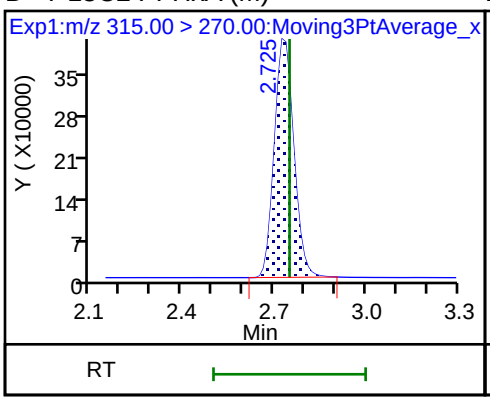
6 Perfluorohexanoic acid (M)



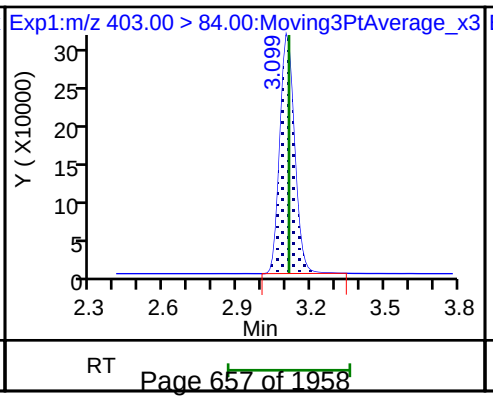
6 Perfluorohexanoic acid (M)



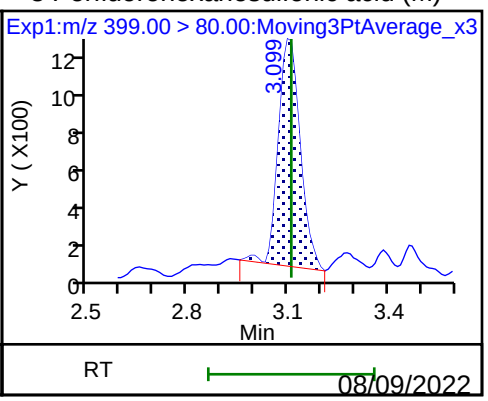
D 7 13C2 PFHxA (M)



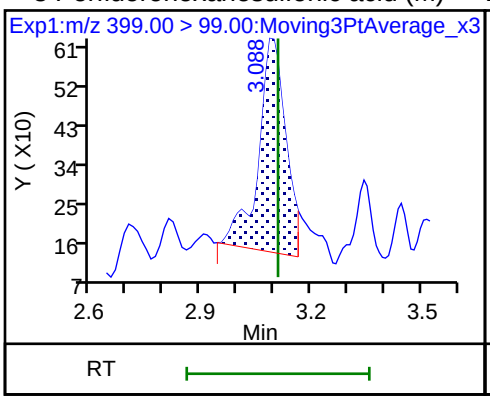
D 11 18O2 PFHxS



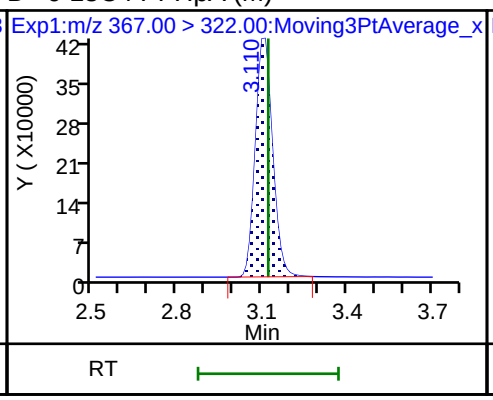
8 Perfluorohexanesulfonic acid (M)



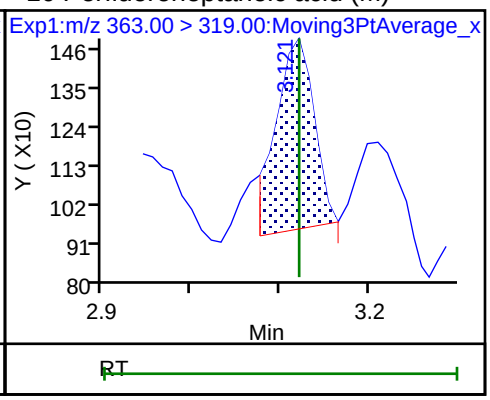
8 Perfluorohexanesulfonic acid (M)



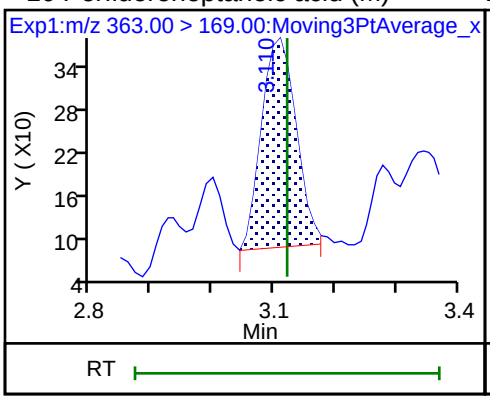
D 9 13C4 PFHpA (M)



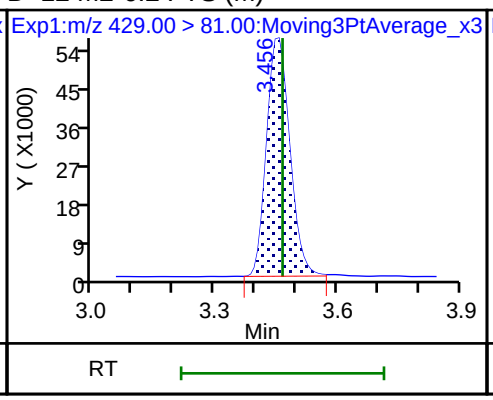
10 Perfluoroheptanoic acid (M)



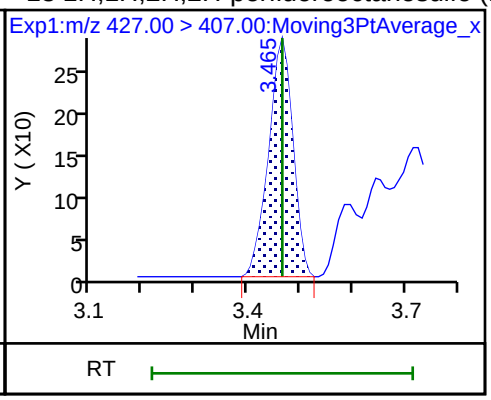
10 Perfluoroheptanoic acid (M)



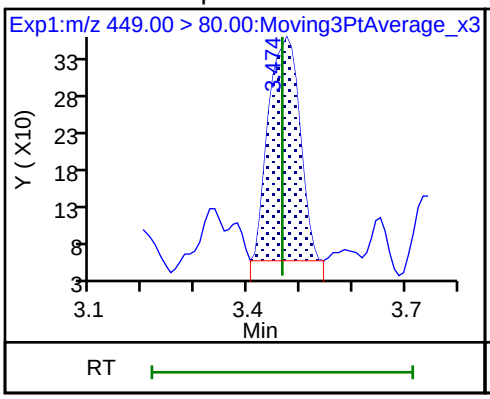
D 12 M2-6:2 FTS (M)



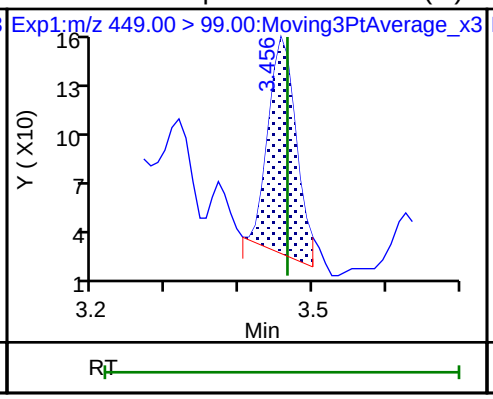
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



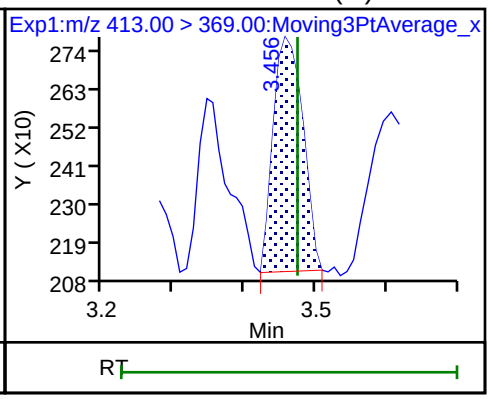
16 Perfluoroheptanesulfonic acid



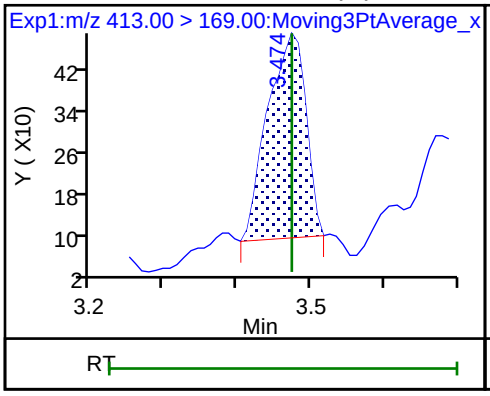
16 Perfluoroheptanesulfonic acid (M)



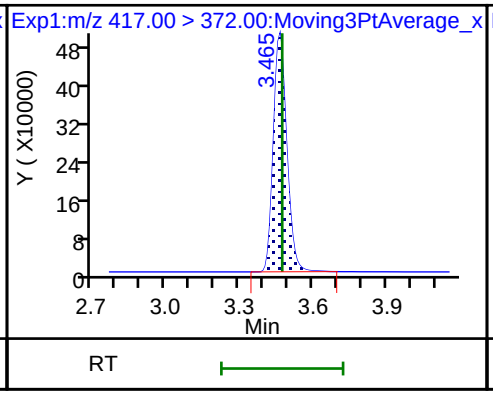
15 Perfluorooctanoic acid (M)



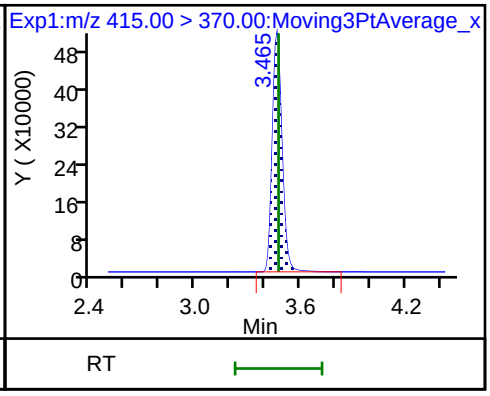
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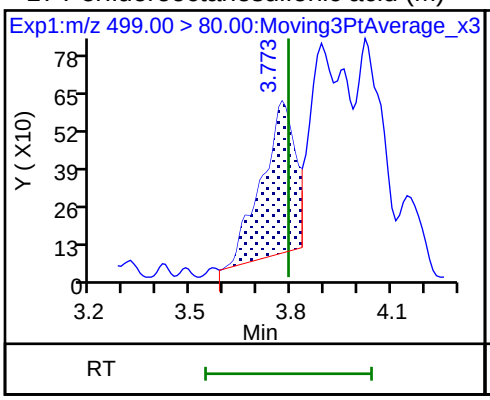
D 14 13C4 PFOA



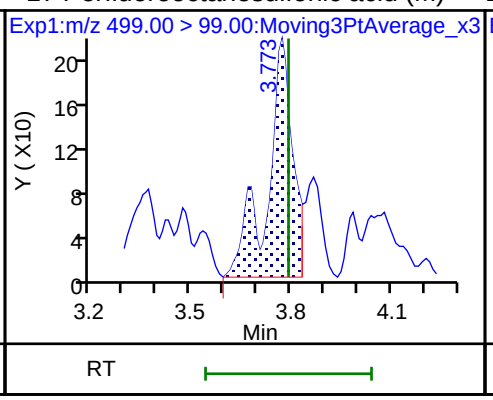
* 62 13C2 PFOA



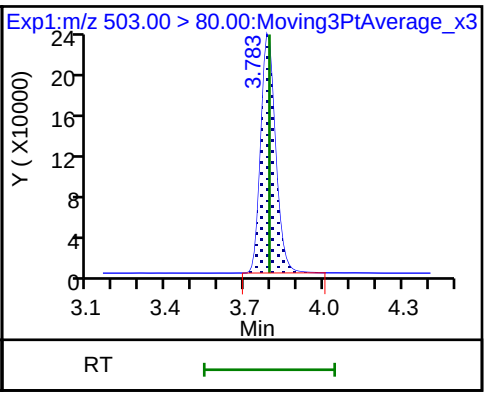
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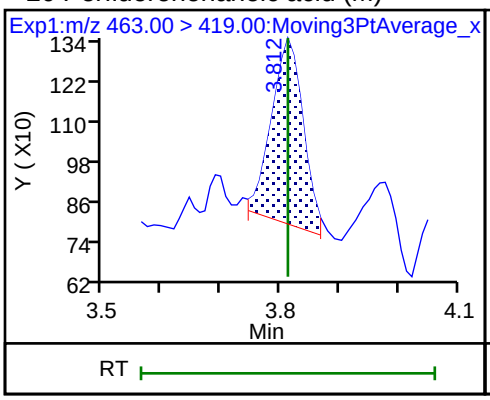
17 Perfluorooctanesulfonic acid (M)



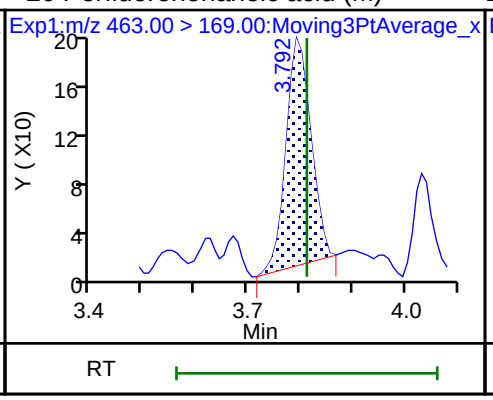
D 18 13C4 PFOS



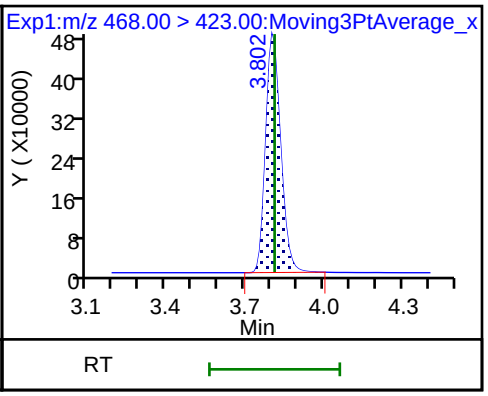
20 Perfluorononanoic acid (M)



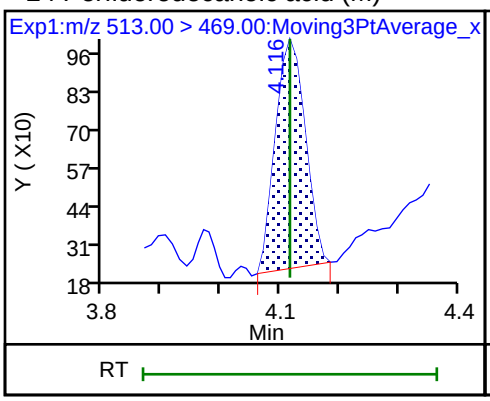
20 Perfluorononanoic acid (M)



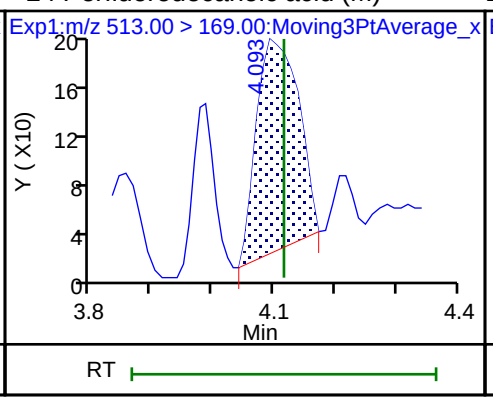
D 19 13C5 PFNA



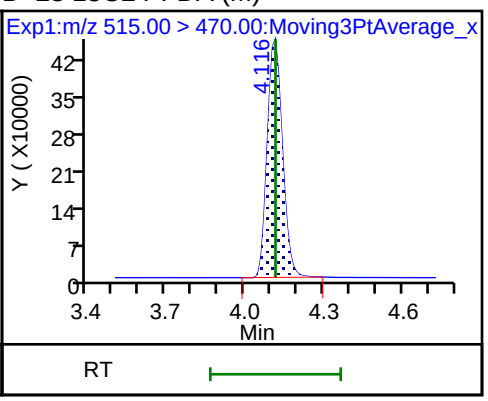
24 Perfluorodecanoic acid (M)



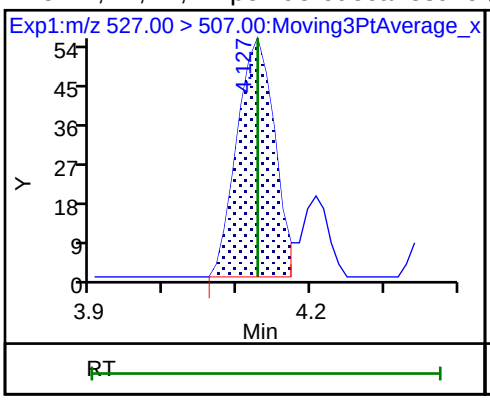
24 Perfluorodecanoic acid (M)



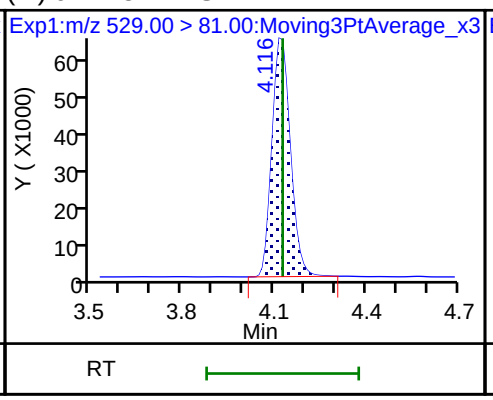
D 23 13C2 PFDA (M)



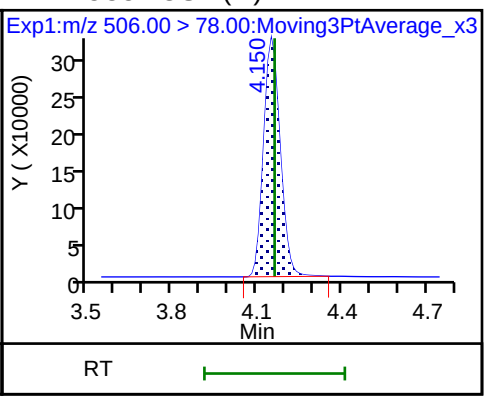
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



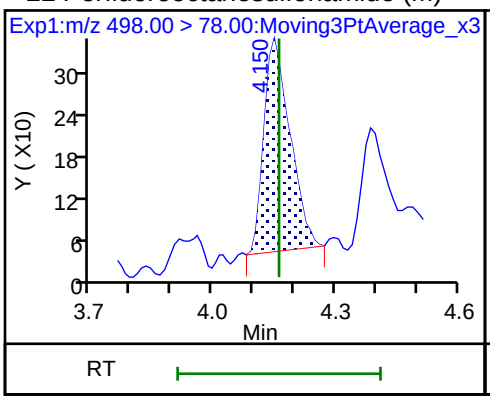
D 26 M2-8:2 FTS



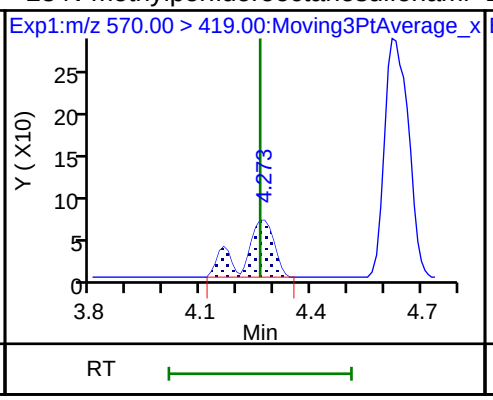
D 21 13C8 FOSA (M)

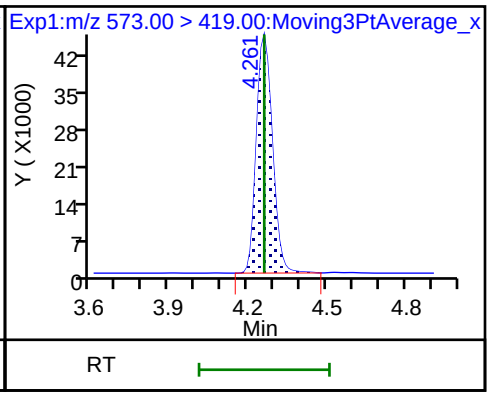


22 Perfluorooctanesulfonamide (M)

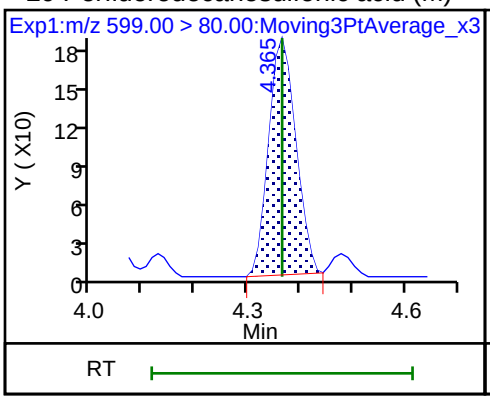


28 N-methylperfluorooctanesulfonami D 27 d3-NMeFOSAA

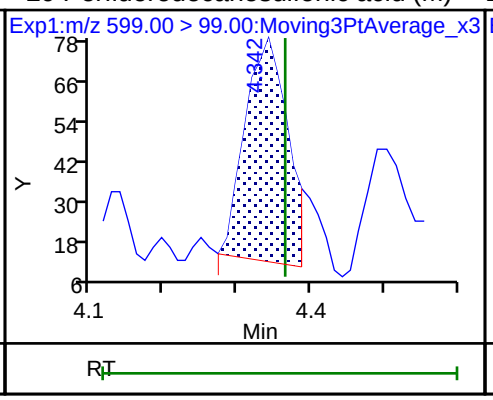




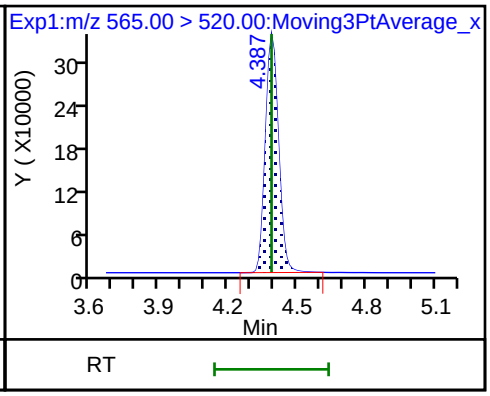
29 Perfluorodecanesulfonic acid (M)



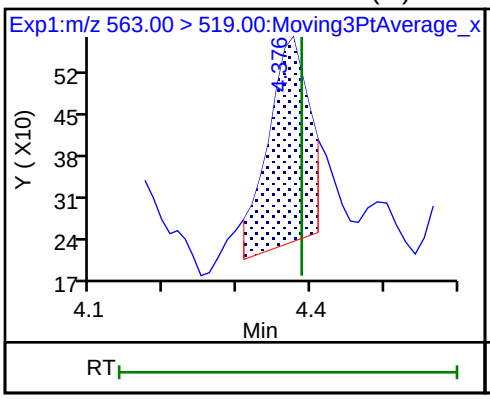
29 Perfluorodecanesulfonic acid (M)



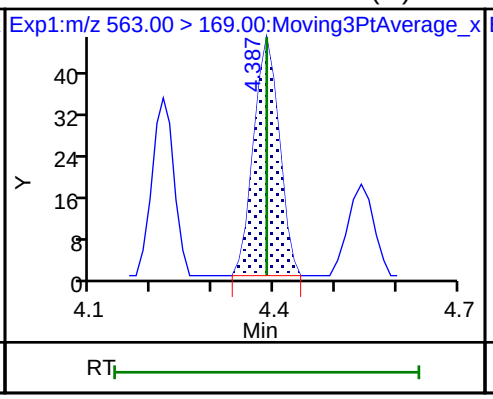
D 30 13C2 PFUnA



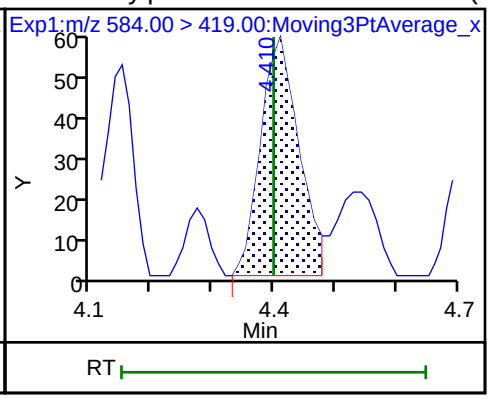
31 Perfluoroundecanoic acid (M)



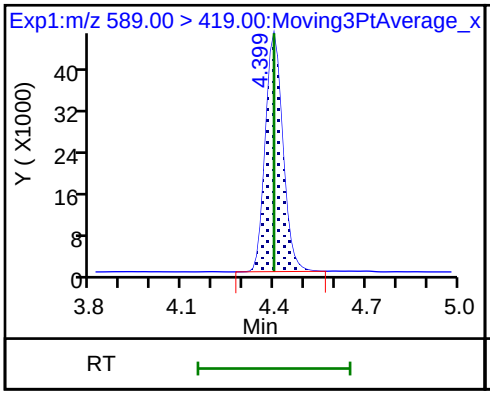
31 Perfluoroundecanoic acid (M)



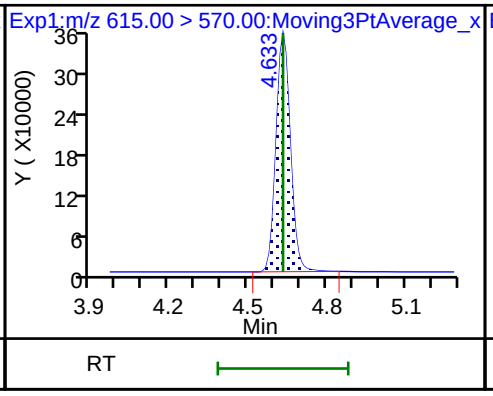
33 N-ethylperfluorooctanesulfonamid (M)



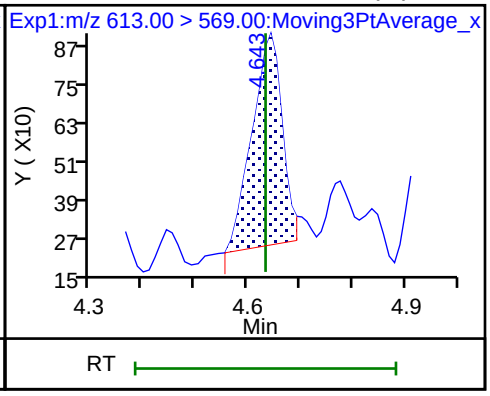
D 32 d5-NEtFOSAA



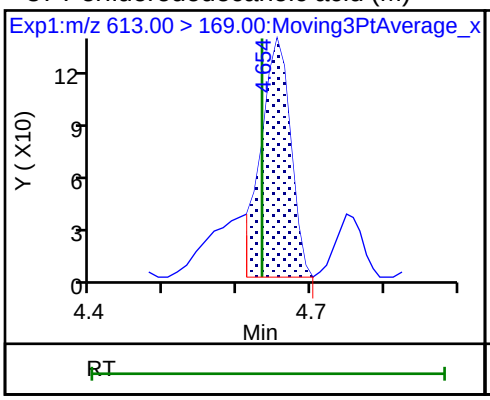
D 36 13C2 PFDoA



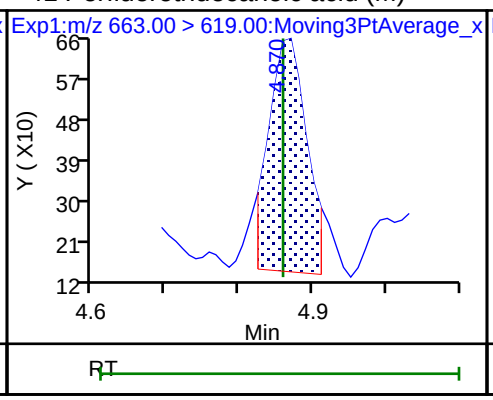
37 Perfluorododecanoic acid (M)



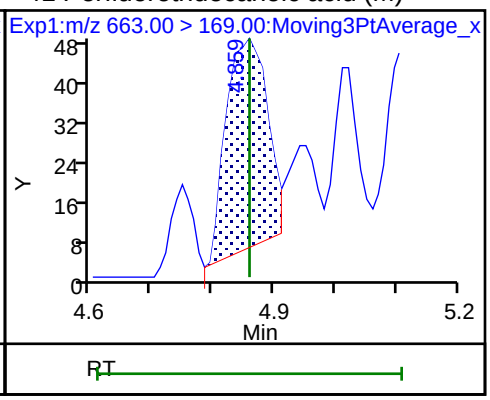
37 Perfluorododecanoic acid (M)



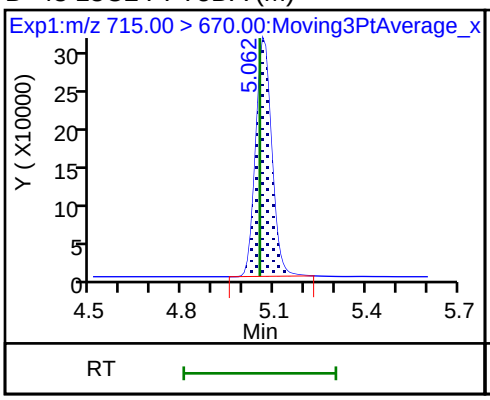
41 Perfluorotridecanoic acid (M)



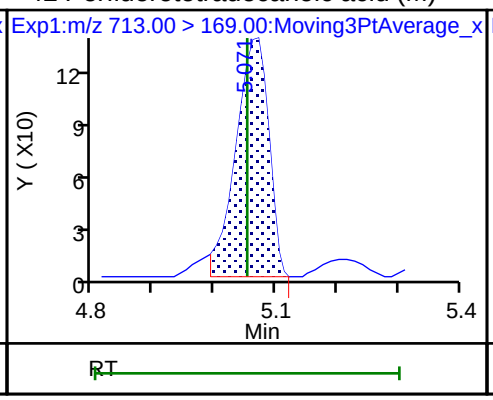
41 Perfluorotridecanoic acid (M)



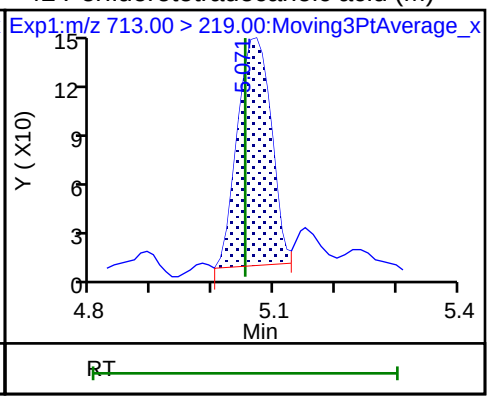
D 43 13C2 PFTeDA (M)



42 Perfluorotetradecanoic acid (M)



42 Perfluorotetradecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins Burlington

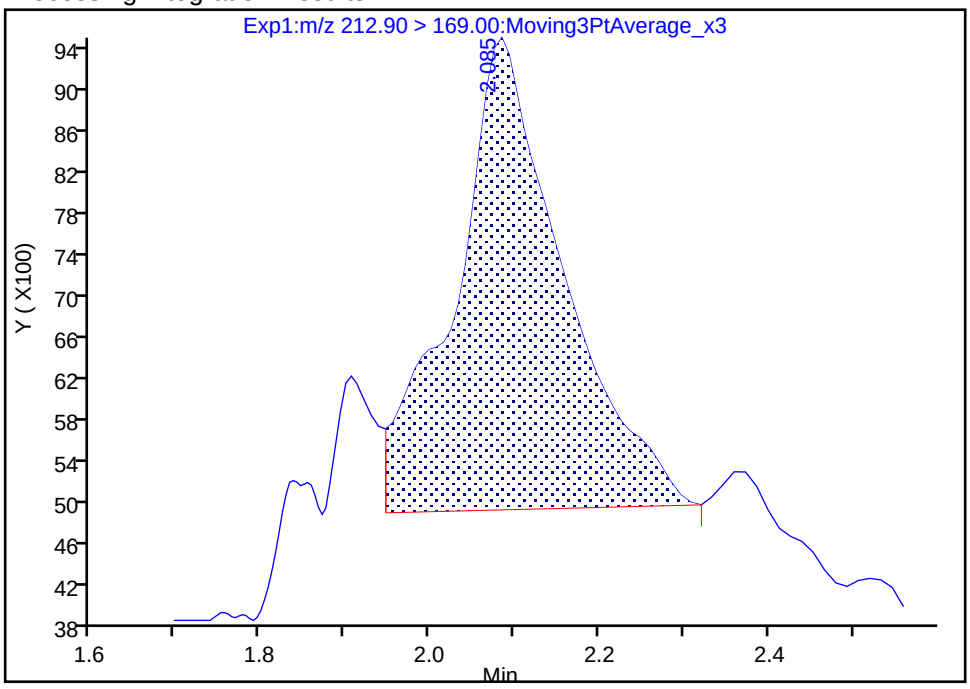
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Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

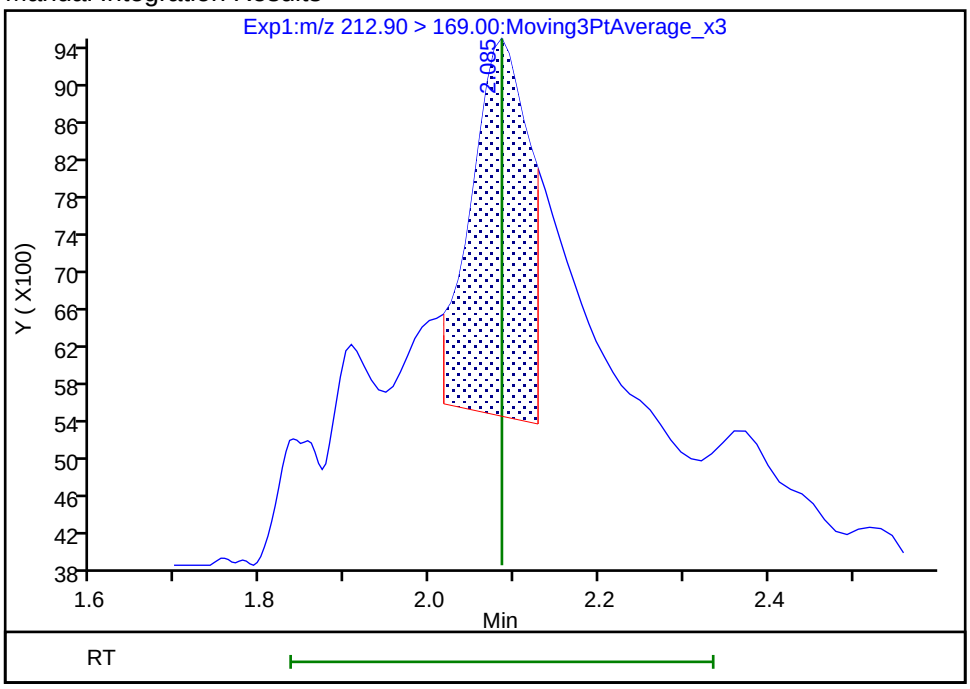
Processing Integration Results

RT: 2.08
Area: 40722
Amount: 0.022510
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 18701
Amount: 0.010350
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:51:27

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

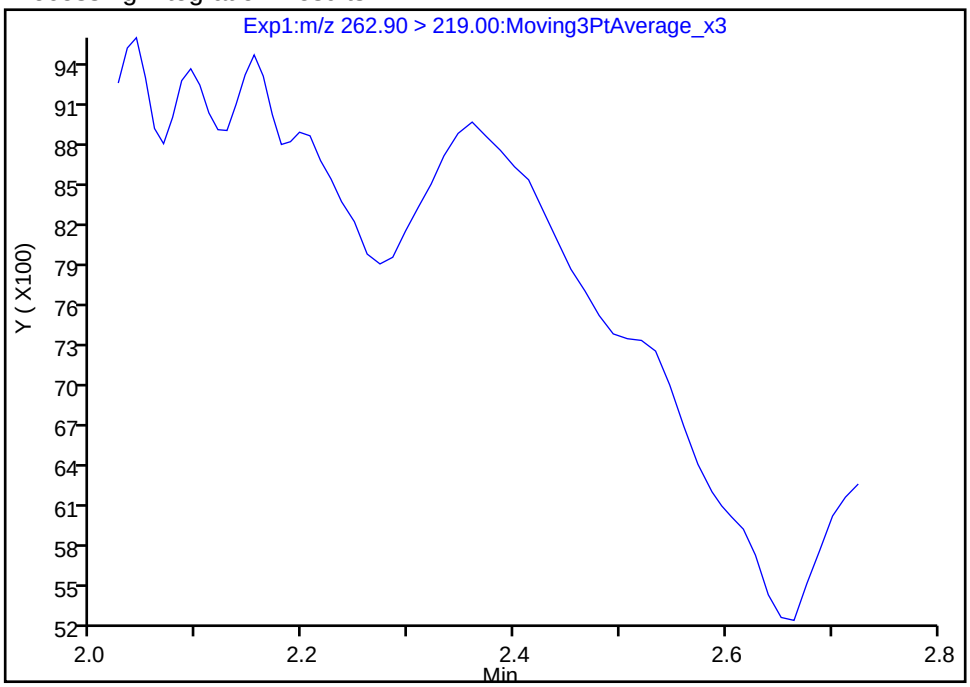
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Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

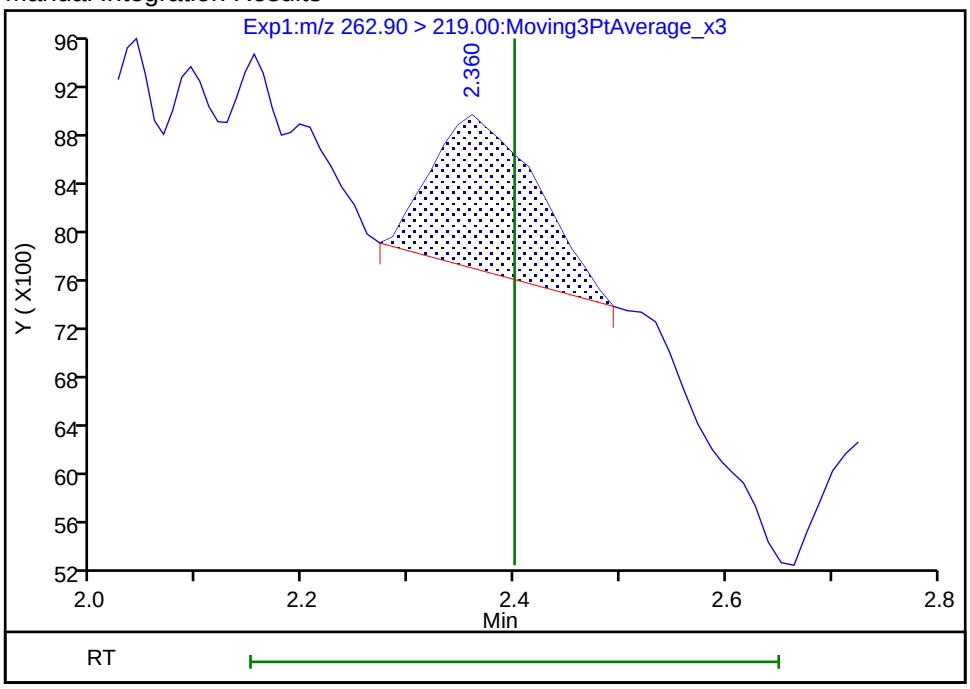
Not Detected
Expected RT: 2.40

Processing Integration Results



Manual Integration Results

RT: 2.36
Area: 8990
Amount: 0.005905
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:51:33
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

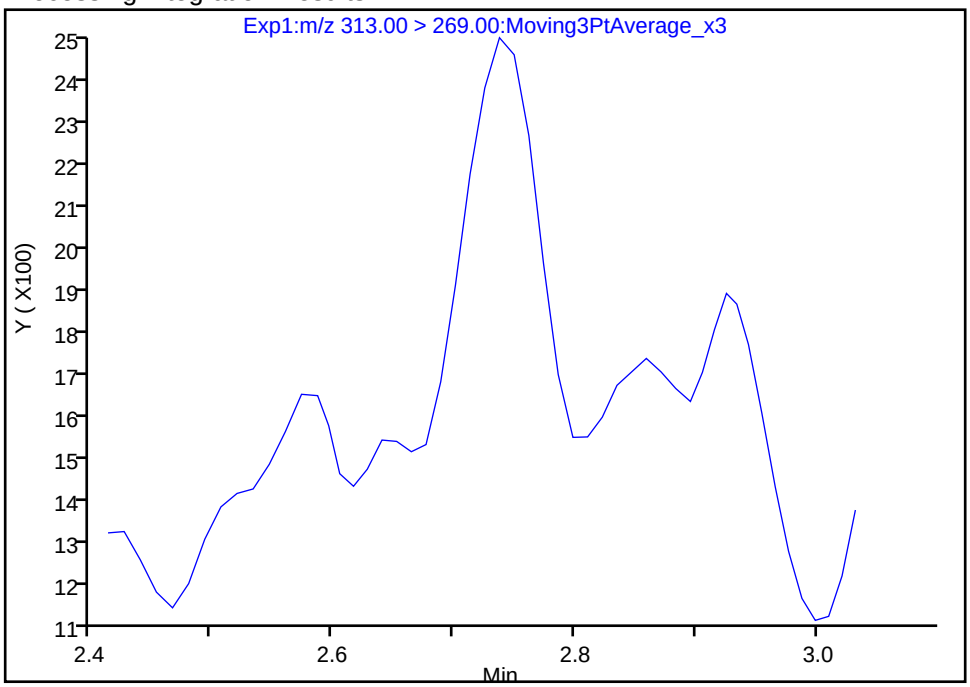
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Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

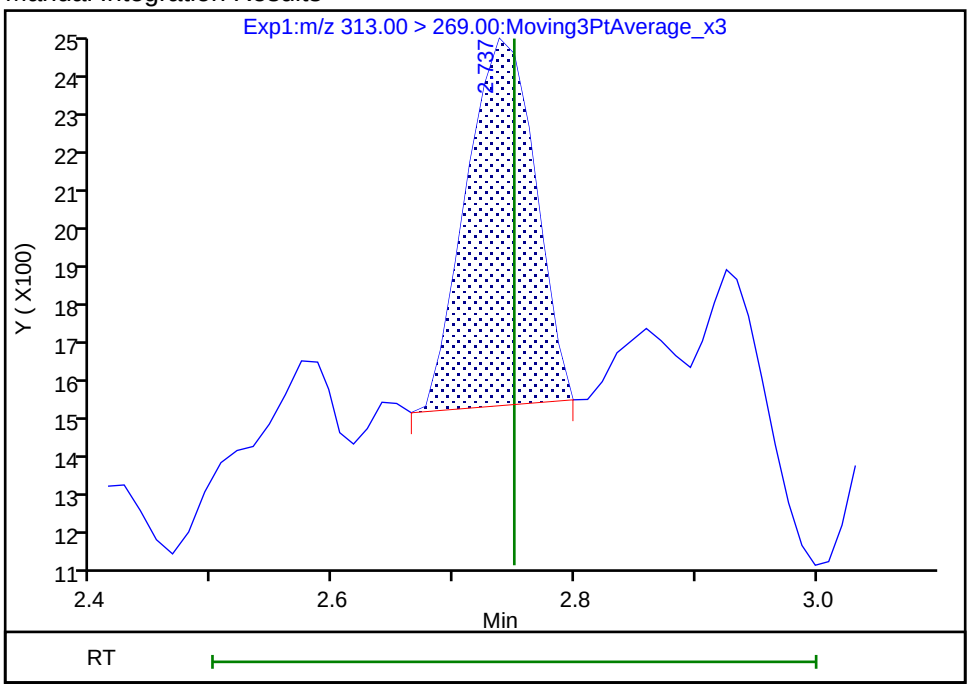
Not Detected
Expected RT: 2.75

Processing Integration Results



Manual Integration Results

RT: 2.74
Area: 3588
Amount: 0.002417
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:51:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

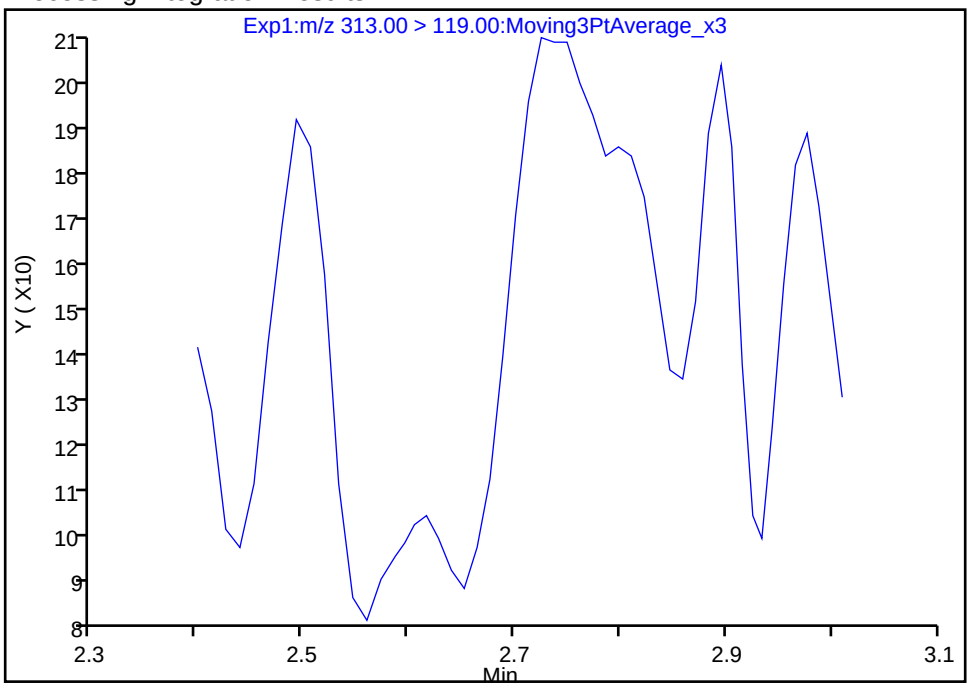
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Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

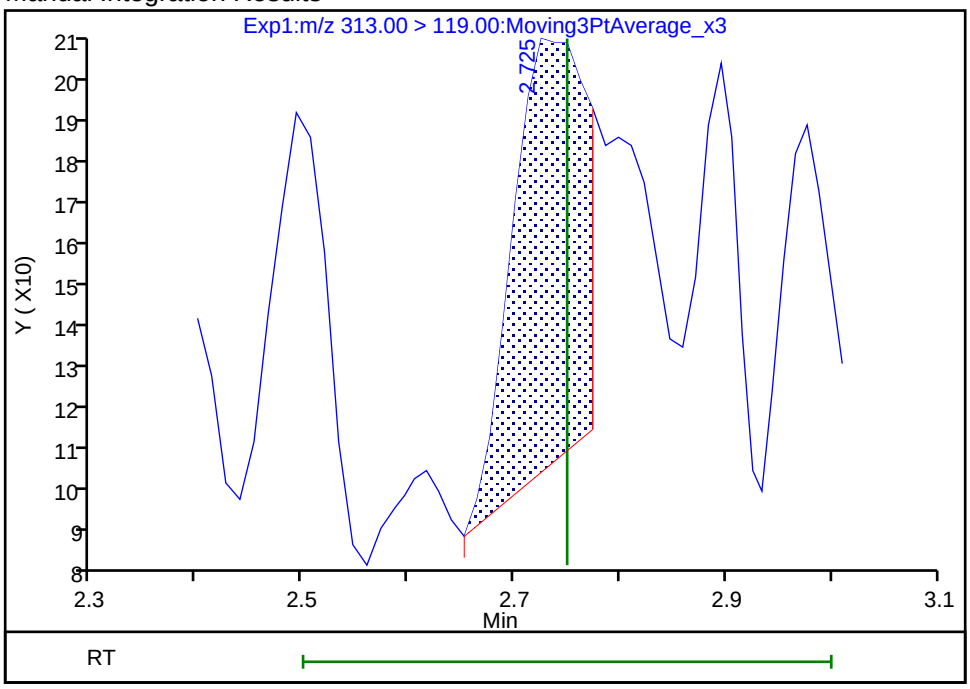
Not Detected
Expected RT: 2.75

Processing Integration Results



Manual Integration Results

RT: 2.73
Area: 486
Amount: 0.002417
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:51:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

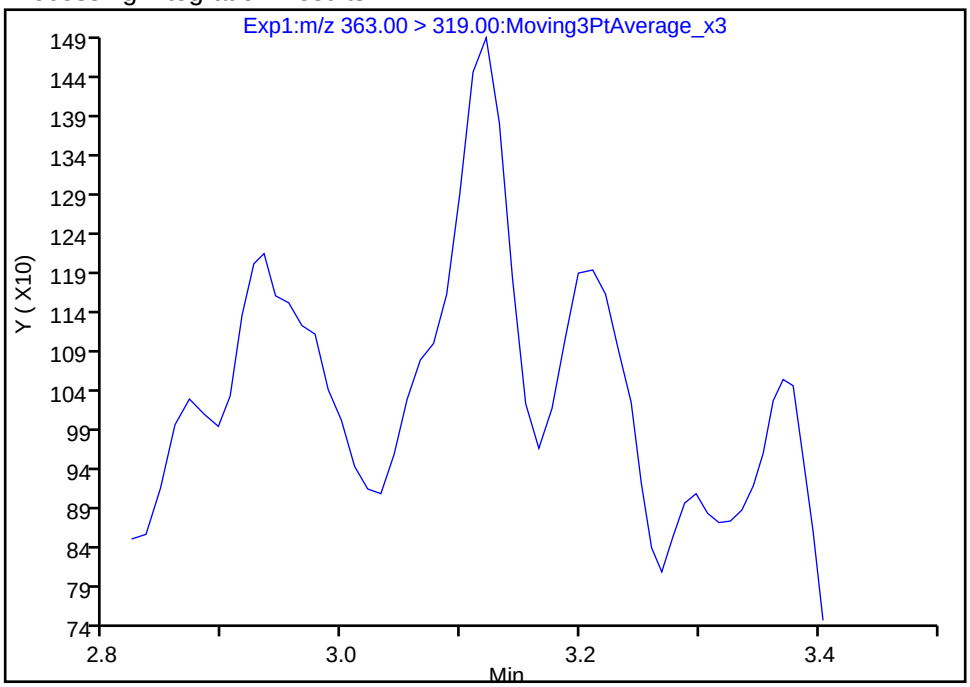
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d				
Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

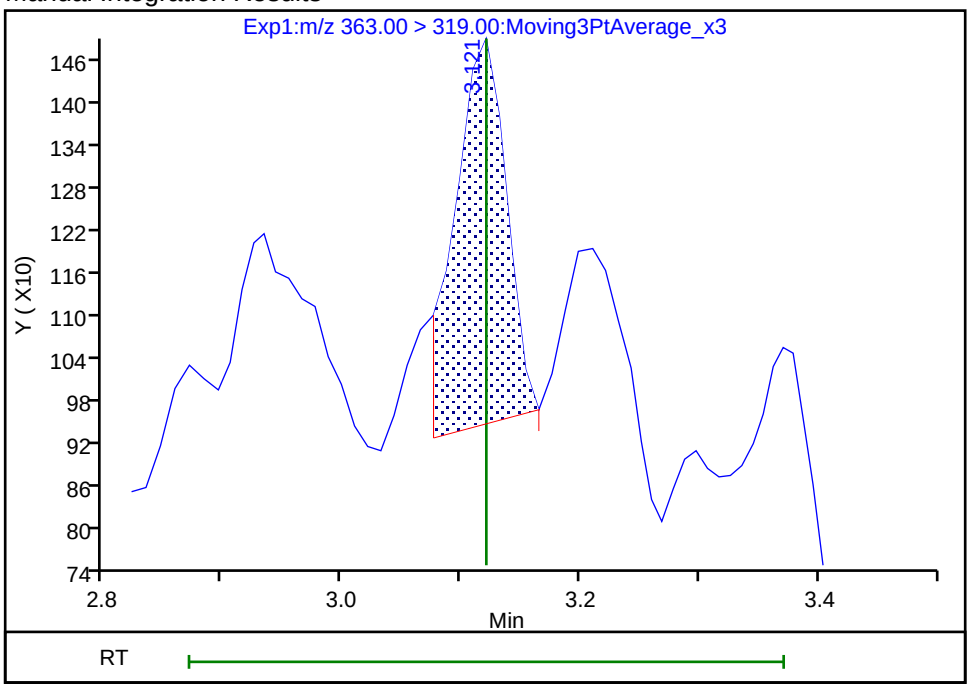
Not Detected
Expected RT: 3.12

Processing Integration Results



Manual Integration Results

RT: 3.12
Area: 1624
Amount: 0.001095
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:52:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

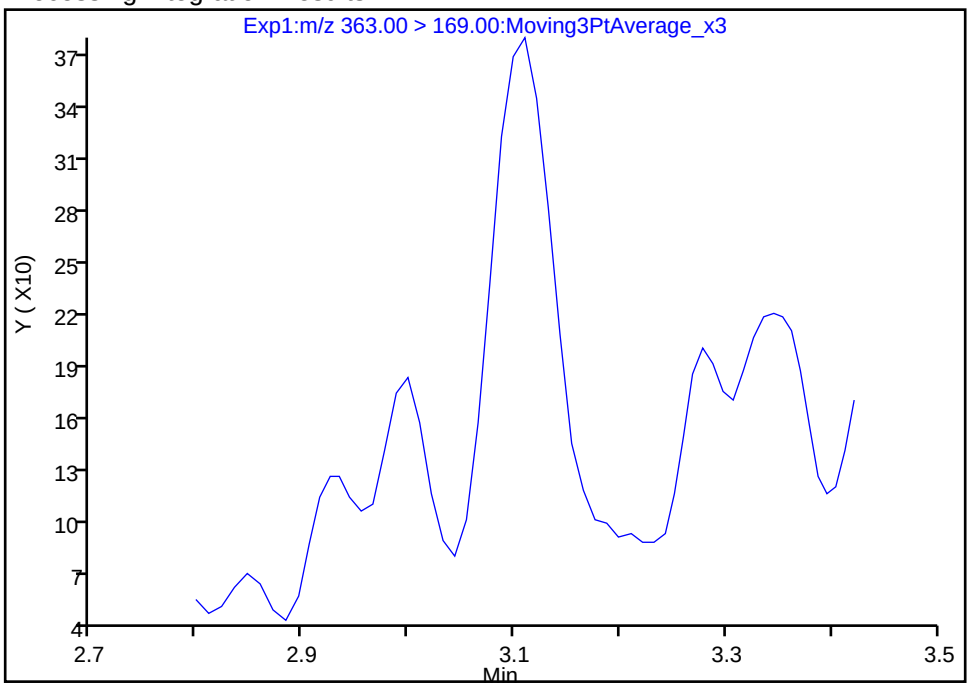
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Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

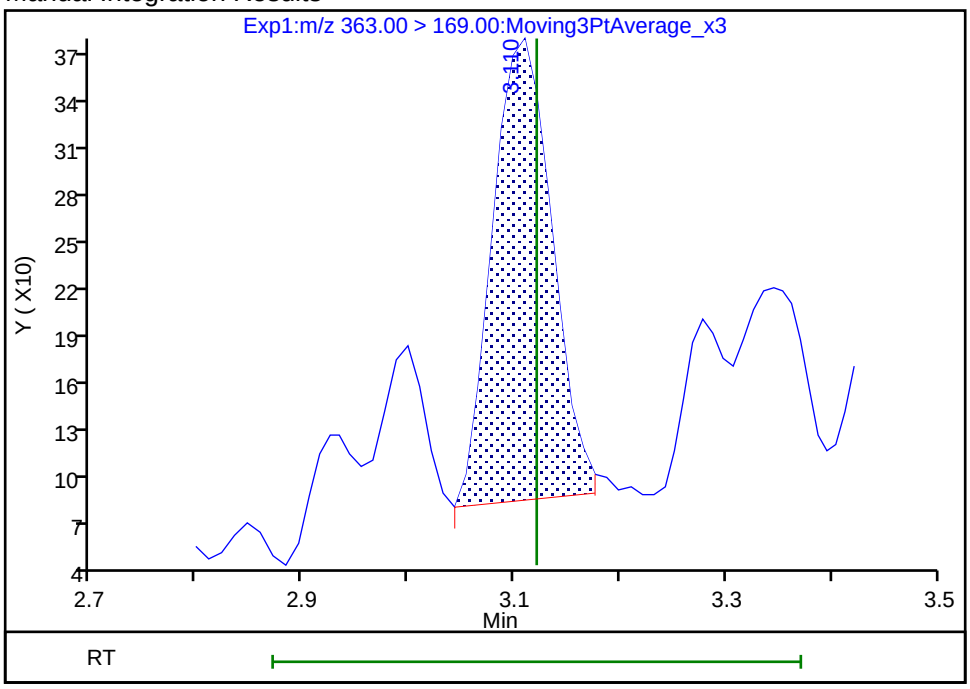
Not Detected
Expected RT: 3.12

Processing Integration Results



Manual Integration Results

RT: 3.11
Area: 1153
Amount: 0.001095
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:52:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

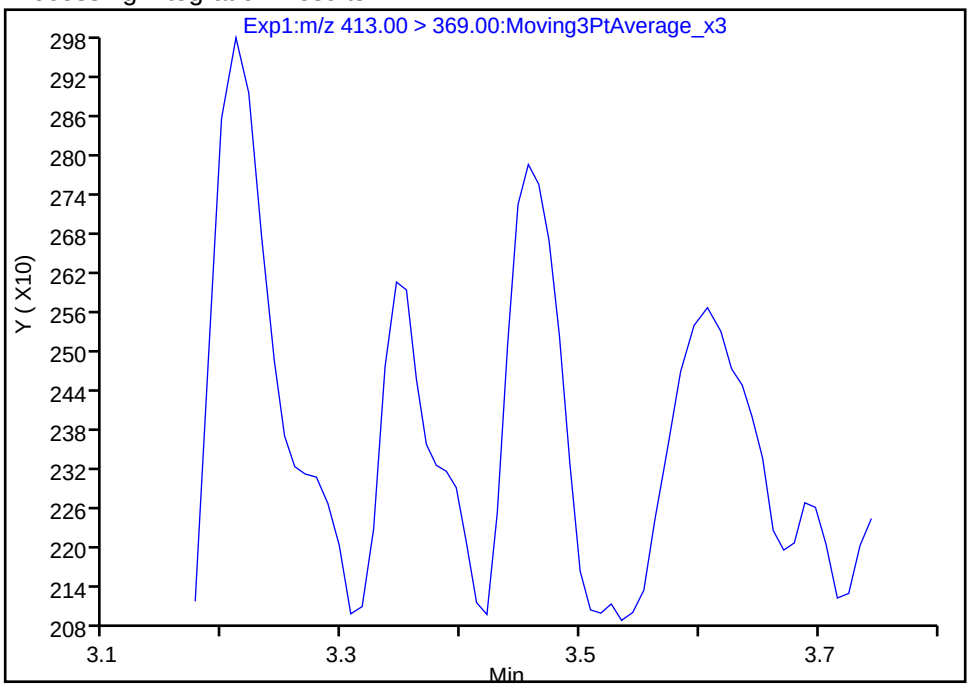
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d				
Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

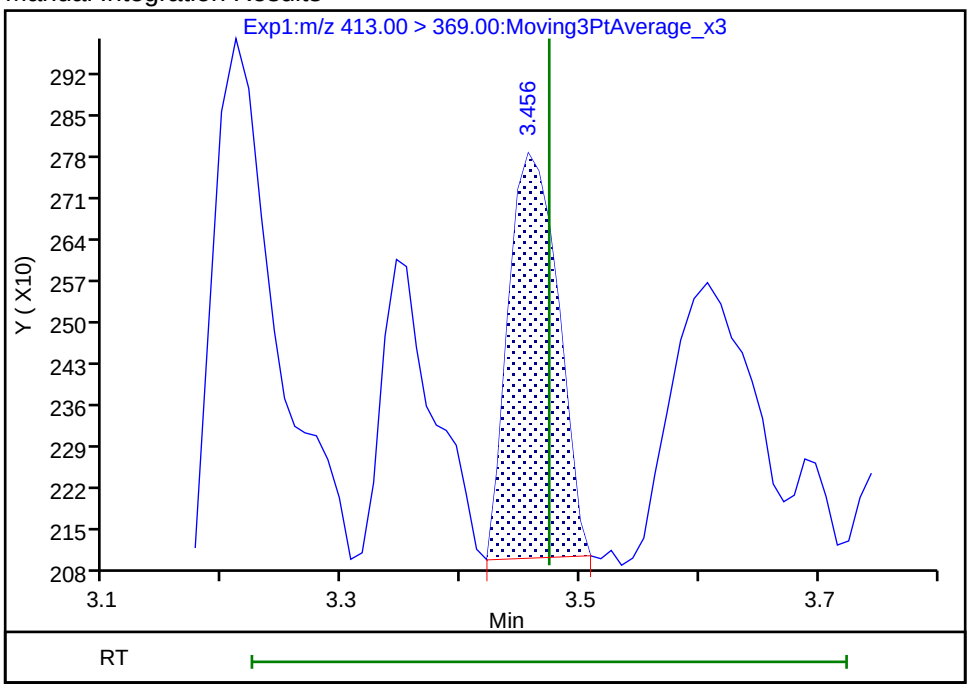
Not Detected
Expected RT: 3.47

Processing Integration Results



Manual Integration Results

RT: 3.46
Area: 1979
Amount: 0.001167
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:53:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

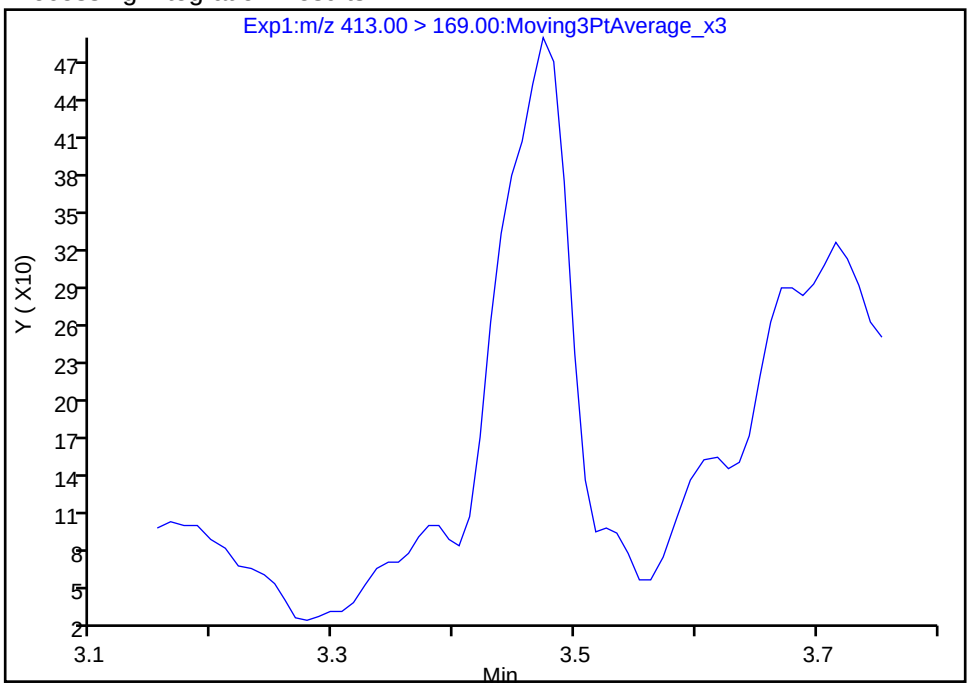
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d				
Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

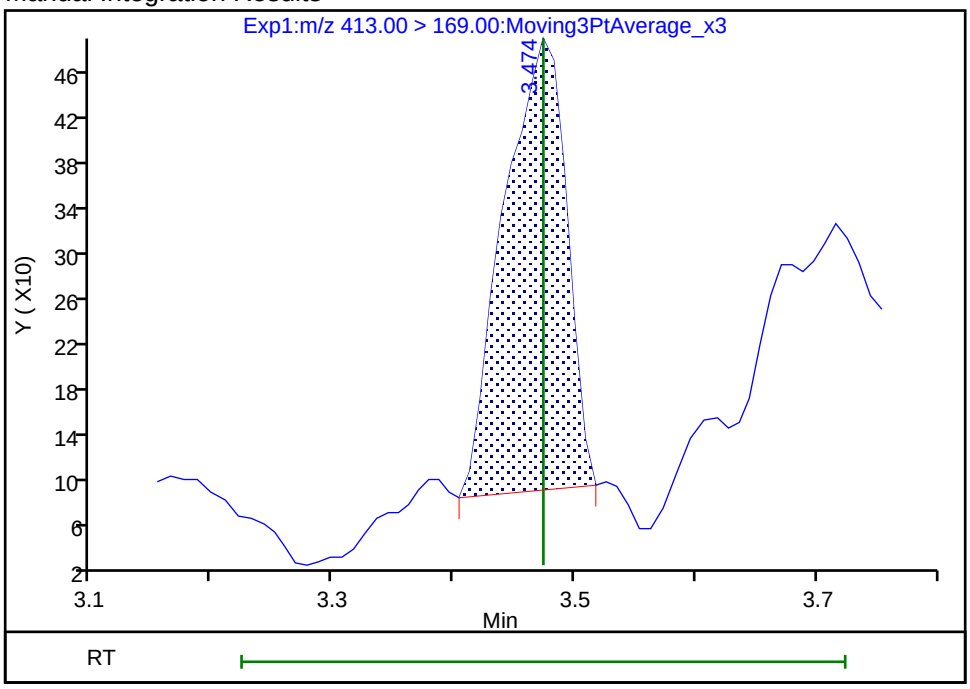
Not Detected
Expected RT: 3.47

Processing Integration Results



Manual Integration Results

RT: 3.47
Area: 1422
Amount: 0.001167
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:53:10
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

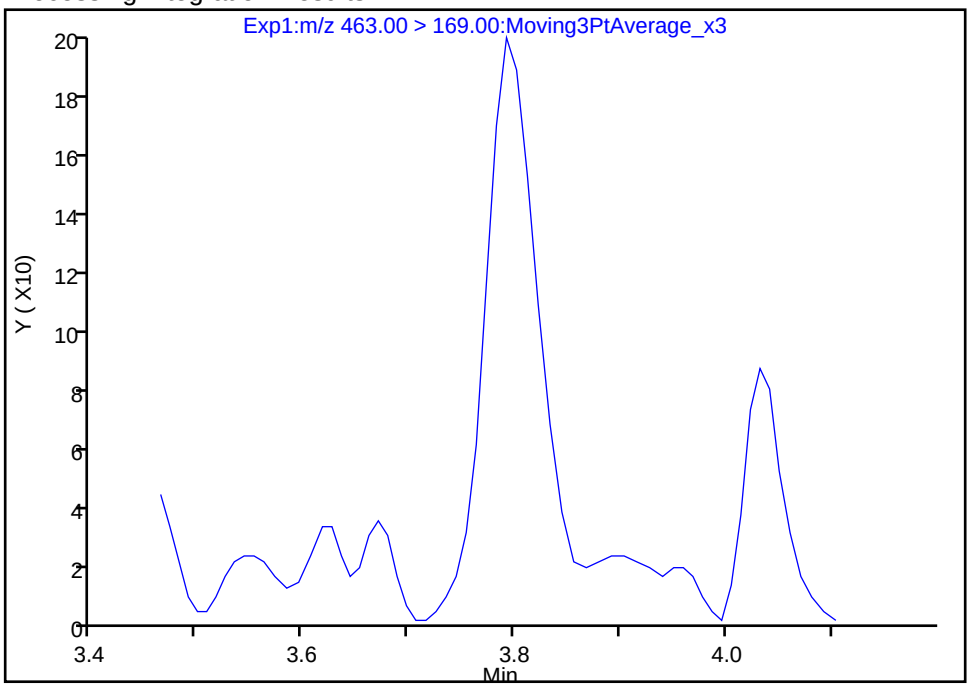
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d				
Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

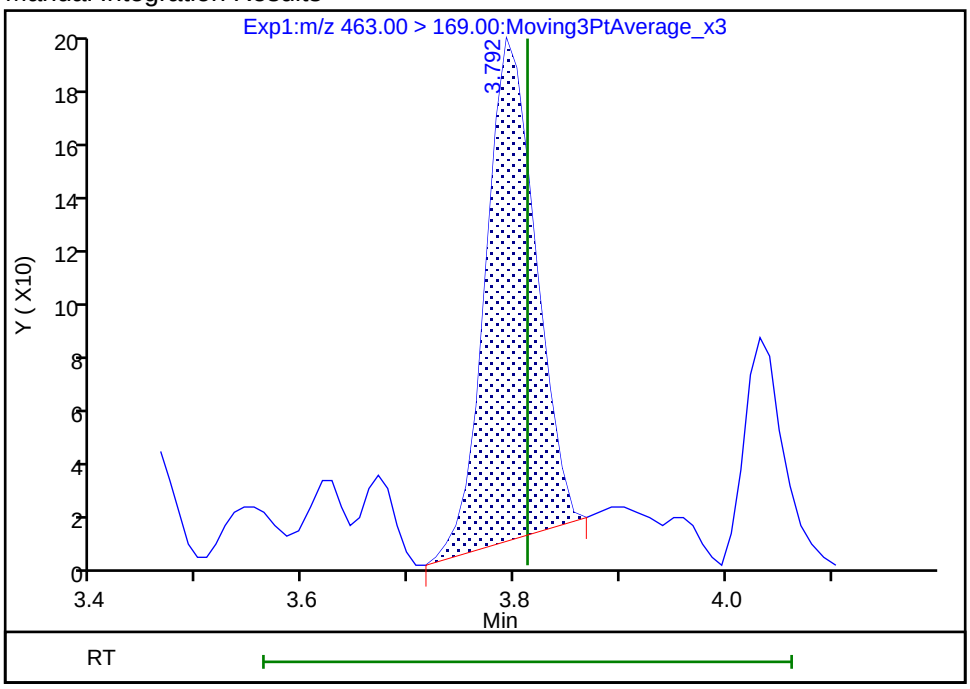
Not Detected
Expected RT: 3.81

Processing Integration Results



Manual Integration Results

RT: 3.79
Area: 625
Amount: 0.001349
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:53:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

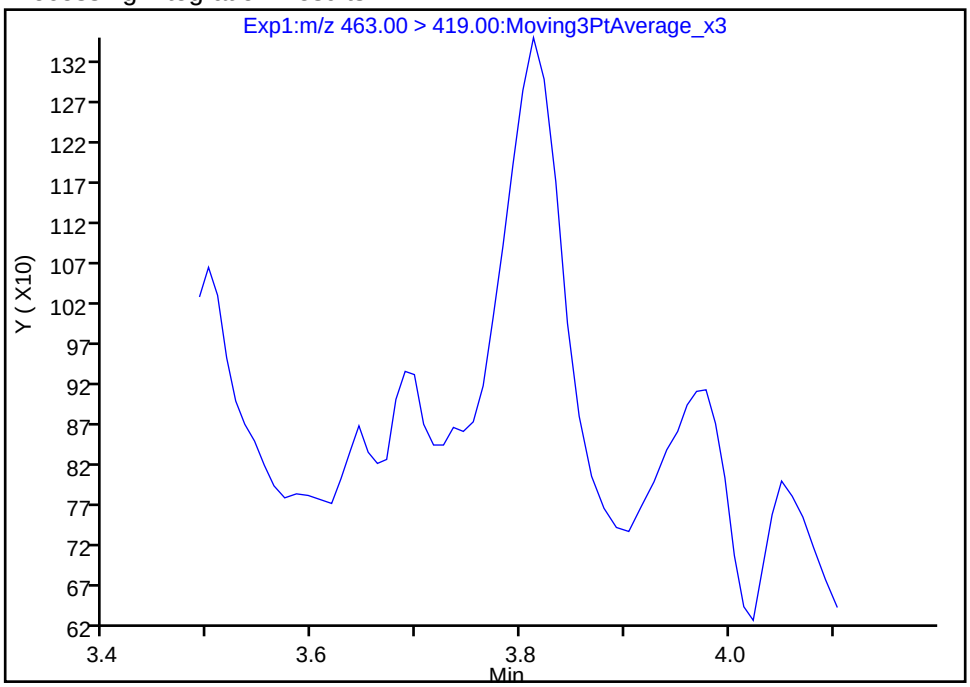
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d				
Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

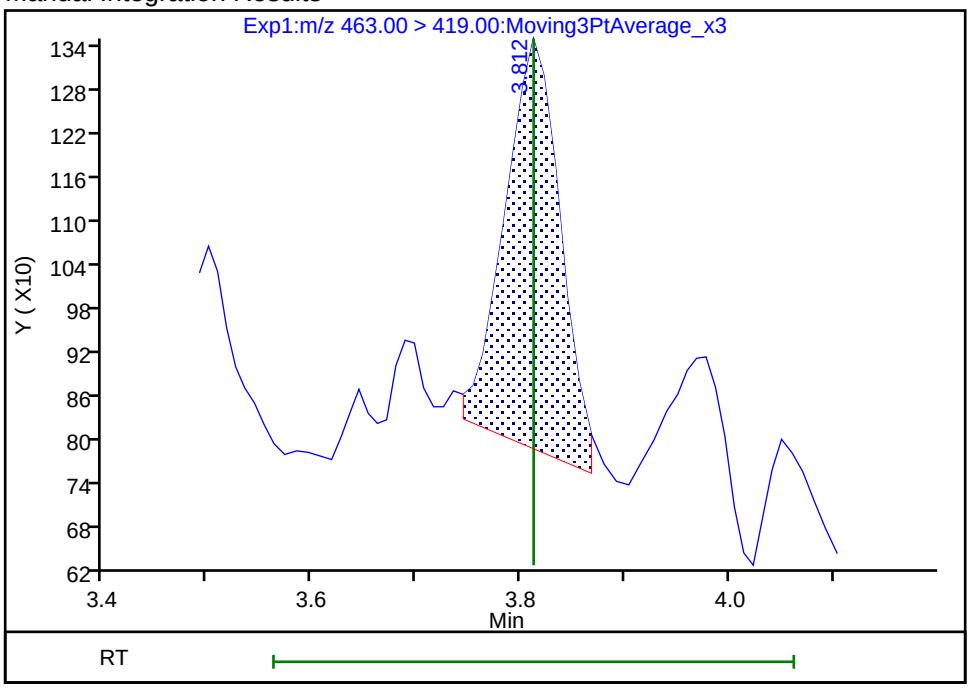
Not Detected
Expected RT: 3.81

Processing Integration Results



Manual Integration Results

RT: 3.81
Area: 2103
Amount: 0.001349
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:53:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

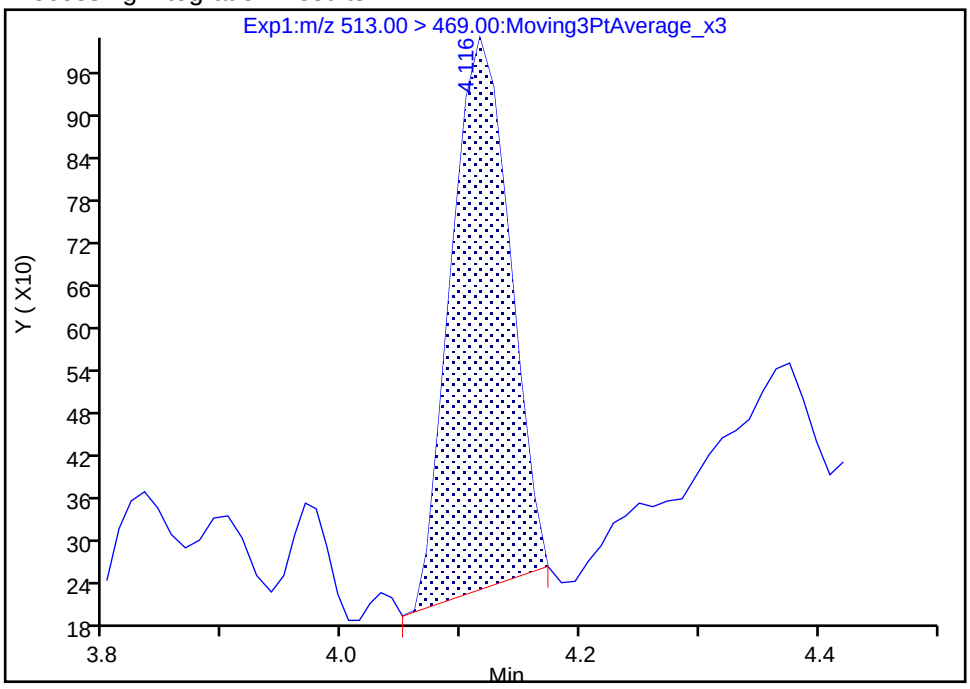
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d				
Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

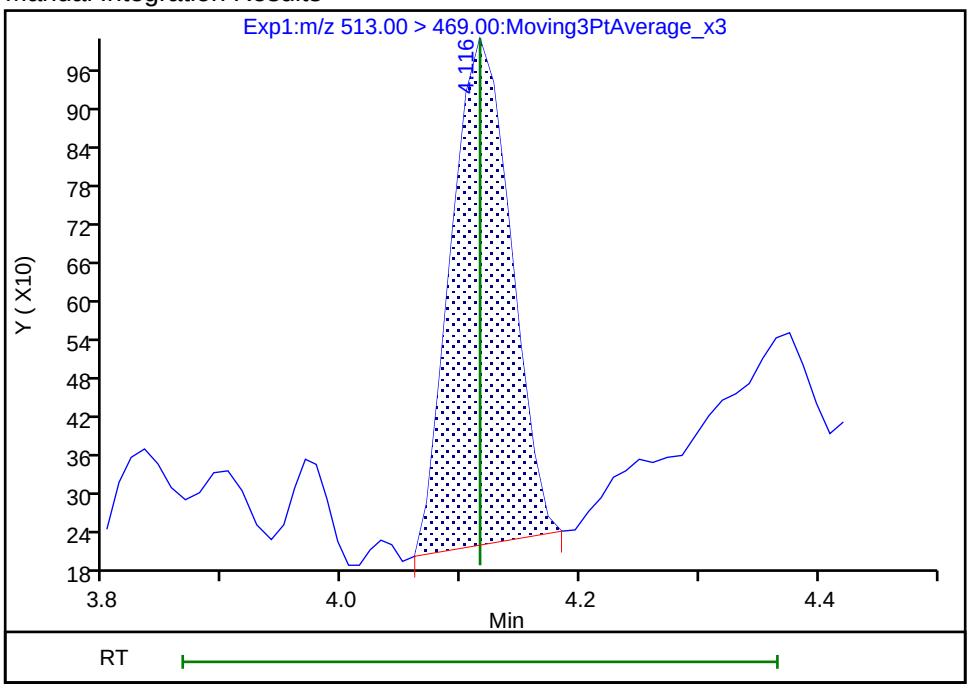
Processing Integration Results

RT: 4.12
Area: 2672
Amount: 0.001732
Amount Units: ng/ml



Manual Integration Results

RT: 4.12
Area: 2762
Amount: 0.001802
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:54:04

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

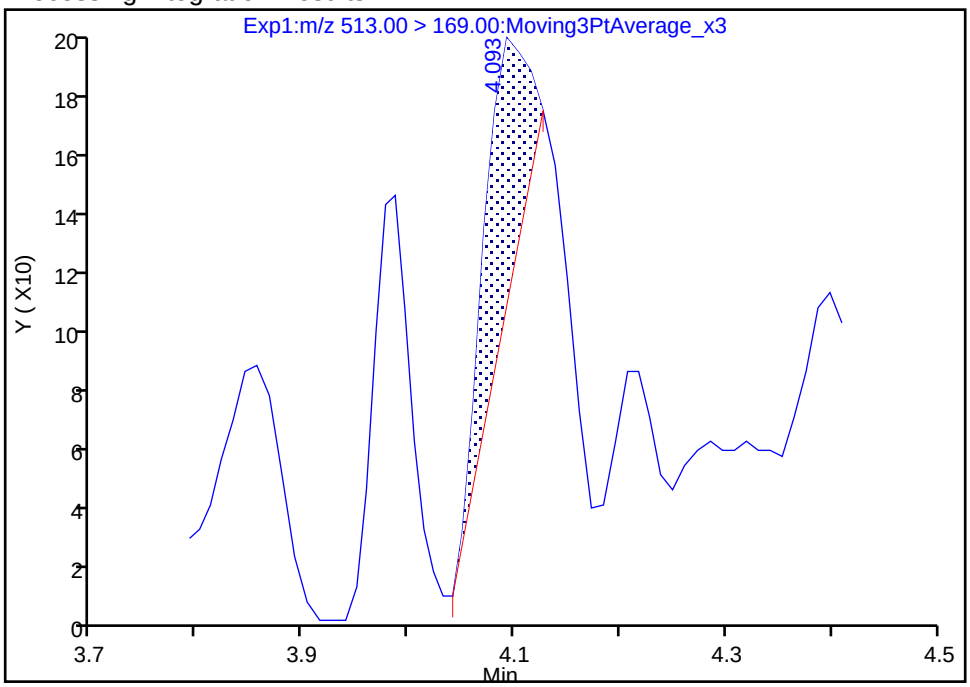
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d				
Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

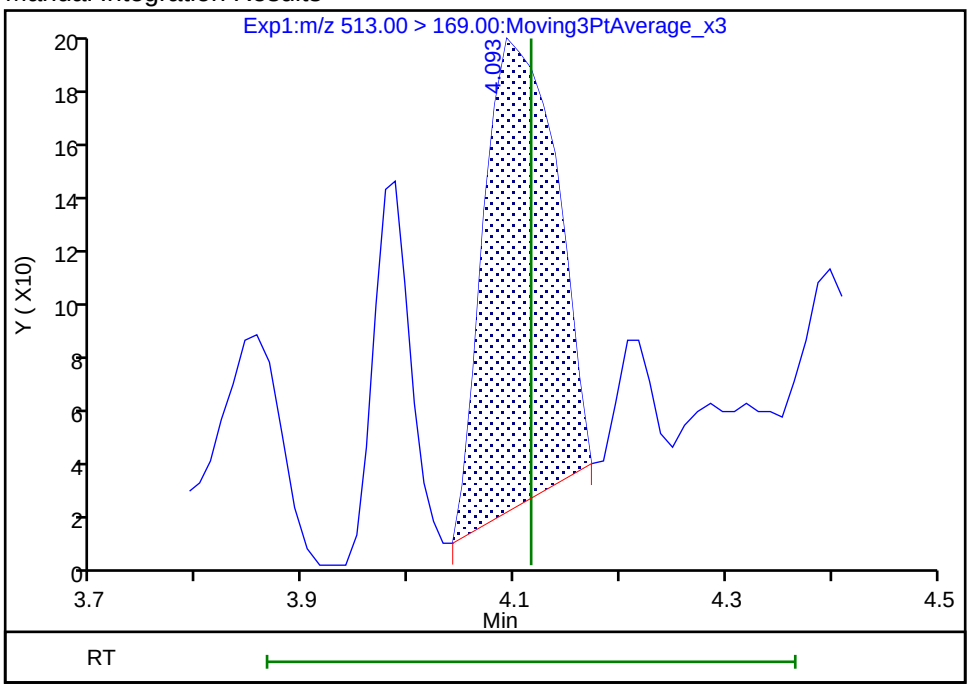
Processing Integration Results

RT: 4.09
Area: 241
Amount: 0.001732
Amount Units: ng/ml



Manual Integration Results

RT: 4.09
Area: 813
Amount: 0.001802
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:54:06
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

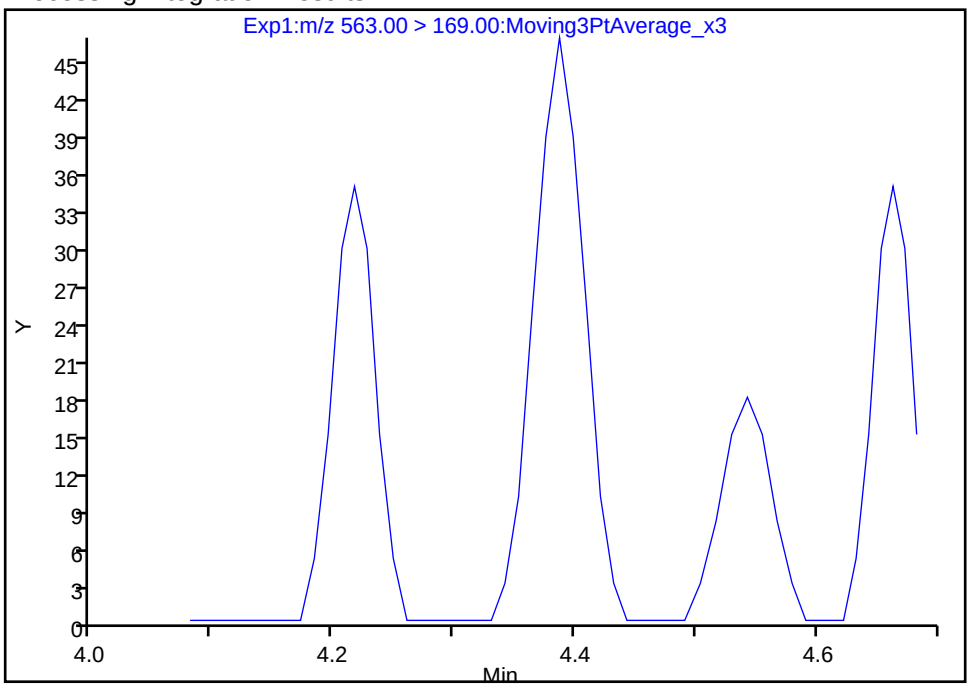
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d				
Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

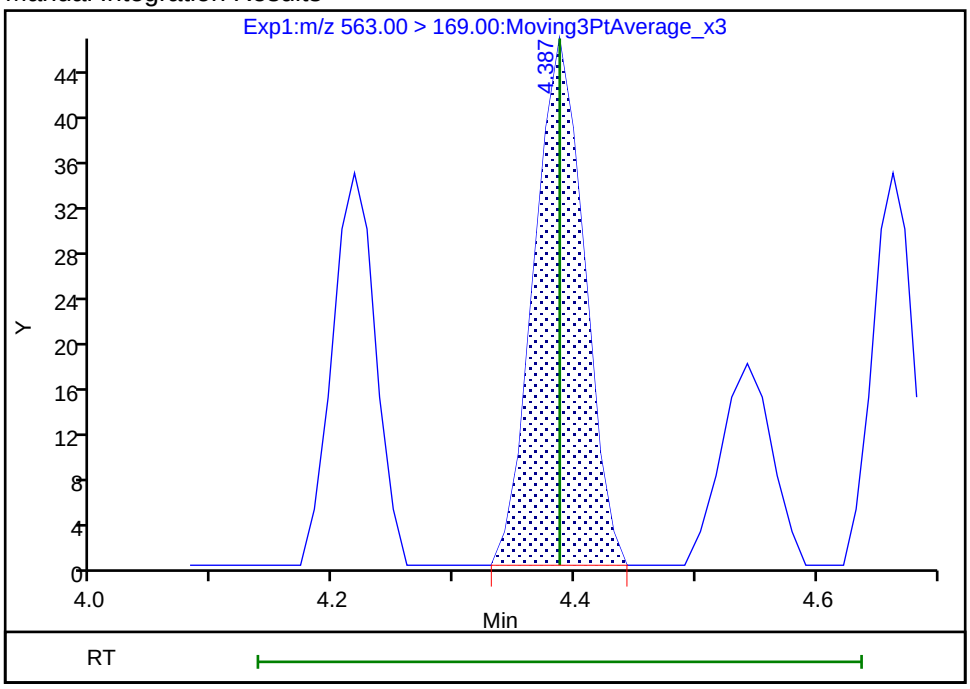
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.39
Area: 136
Amount: 0.001158
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:54:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

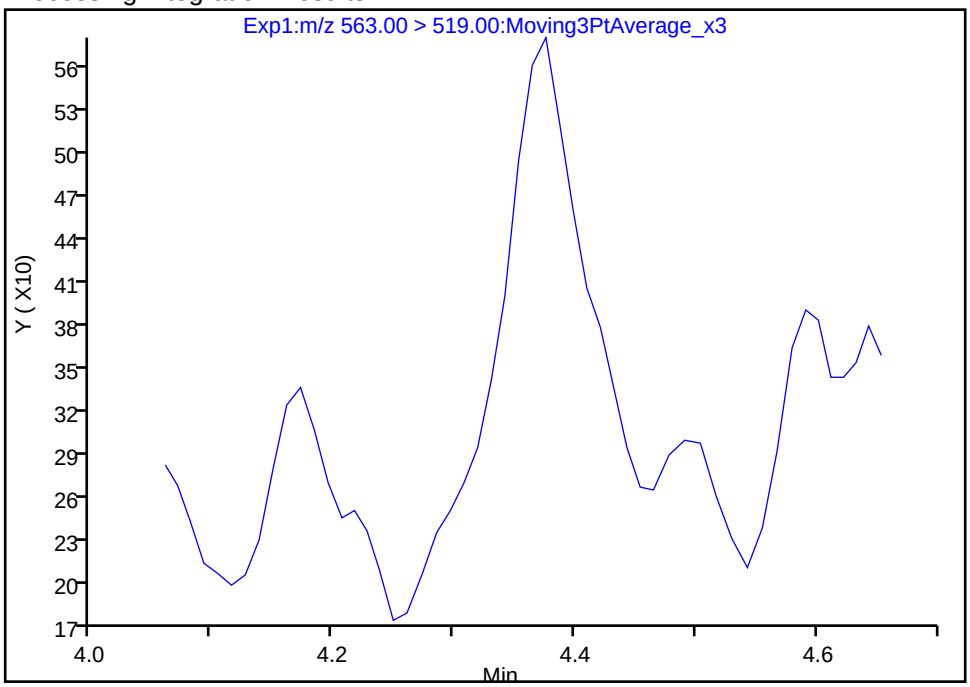
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d				
Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

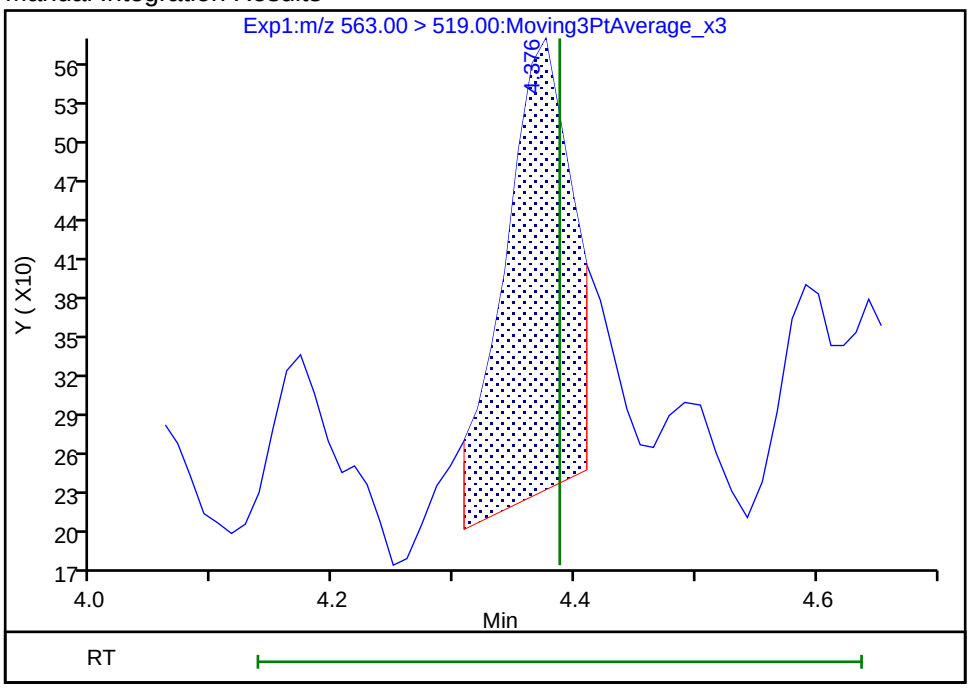
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.38
Area: 1308
Amount: 0.001158
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:54:48
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

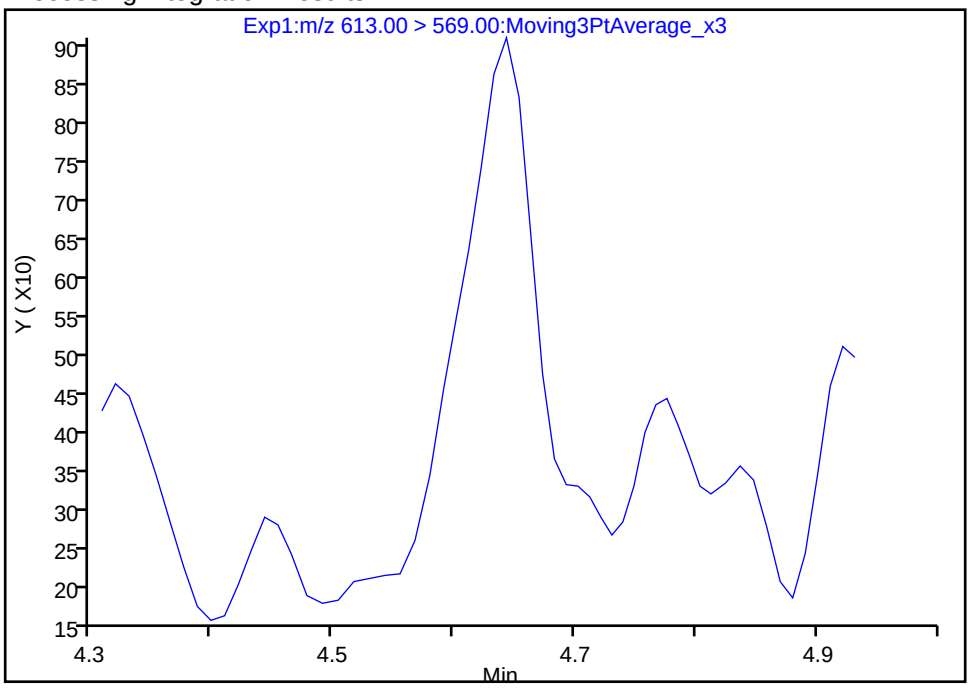
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d				
Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

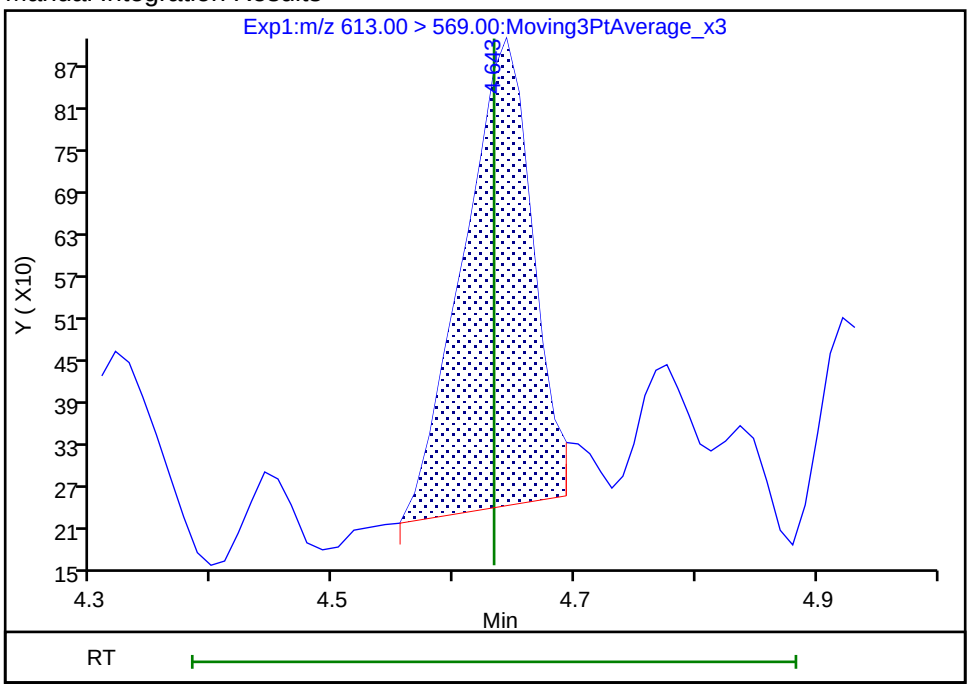
Not Detected
Expected RT: 4.63

Processing Integration Results



Manual Integration Results

RT: 4.64
Area: 2644
Amount: 0.002446
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:55:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

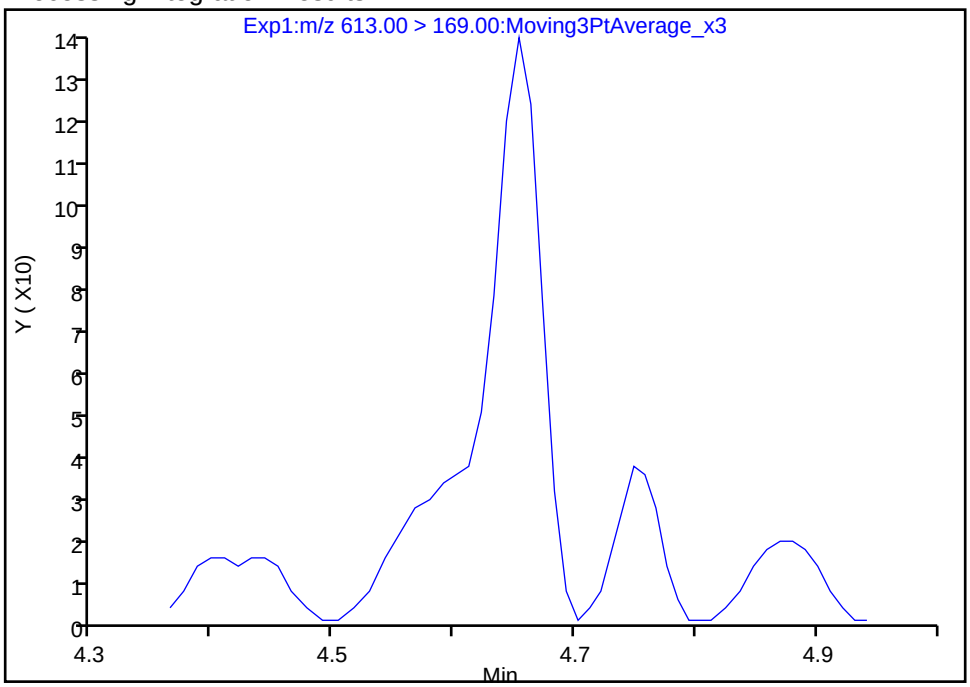
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d				
Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

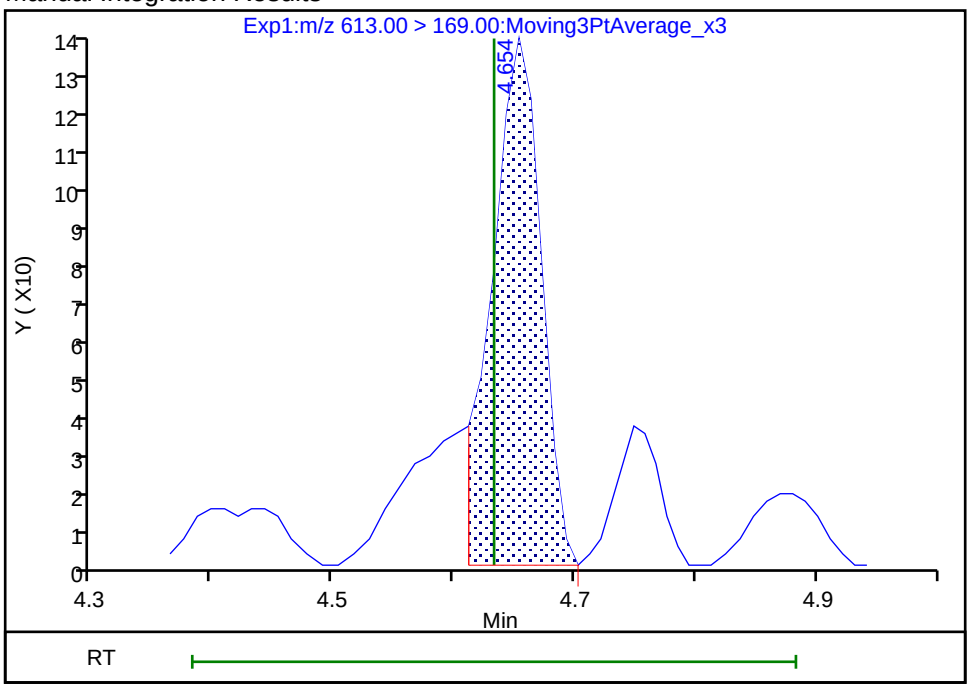
Not Detected
Expected RT: 4.63

Processing Integration Results



Manual Integration Results

RT: 4.65
Area: 390
Amount: 0.002446
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:55:15
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

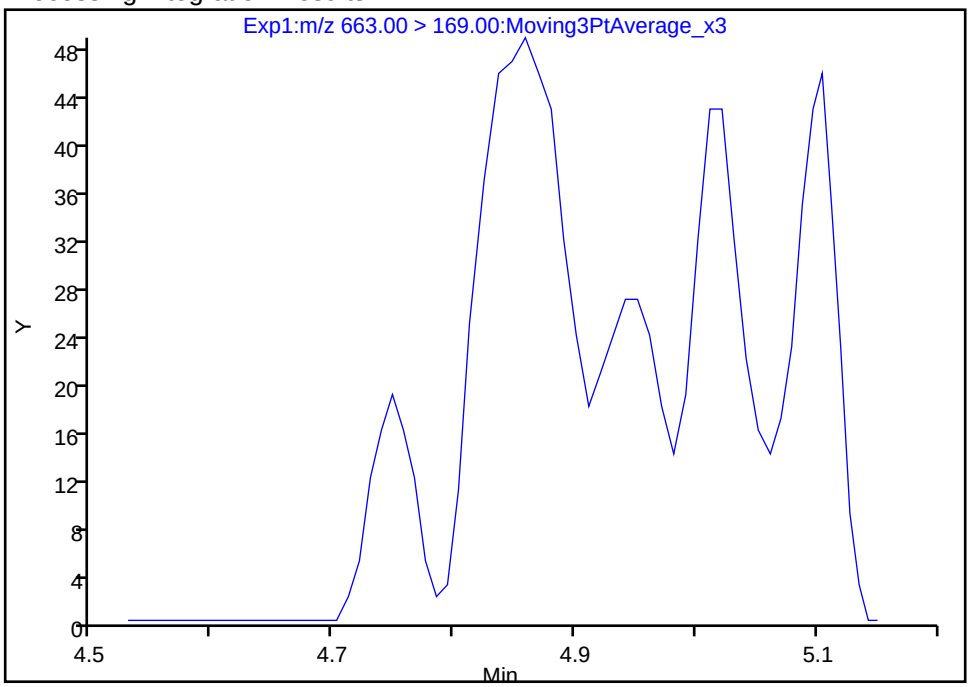
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d				
Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

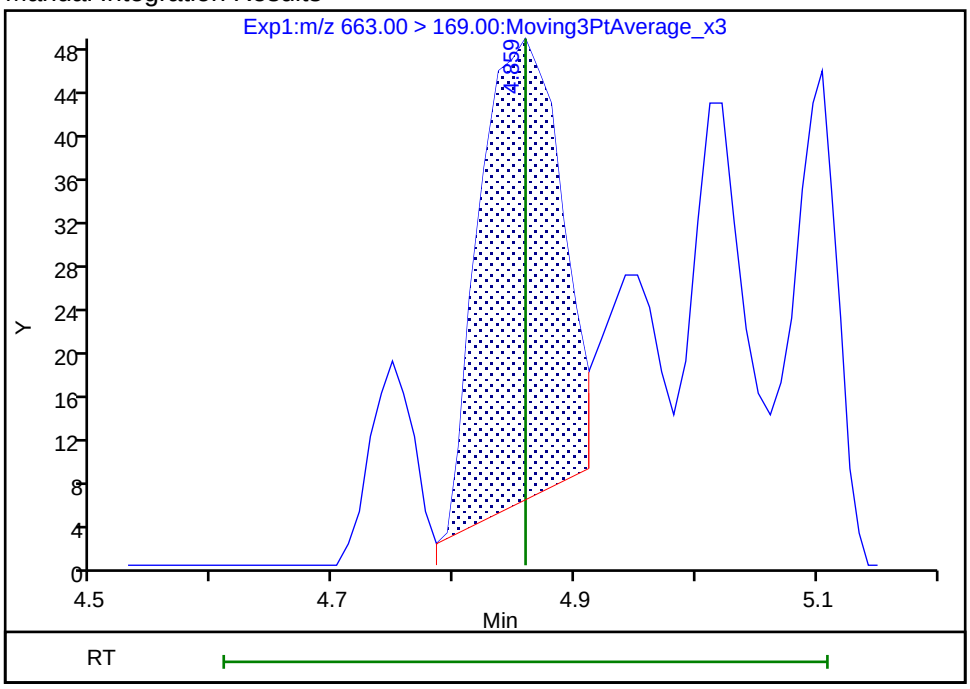
Not Detected
Expected RT: 4.86

Processing Integration Results



Manual Integration Results

RT: 4.86
Area: 201
Amount: 0.001960
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:55:27
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

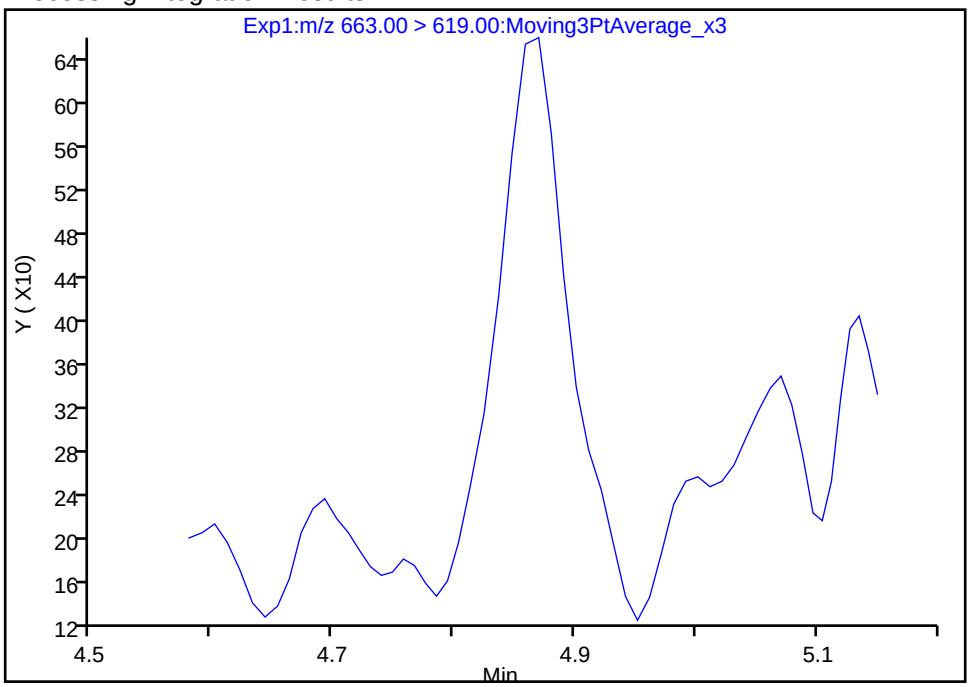
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d				
Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

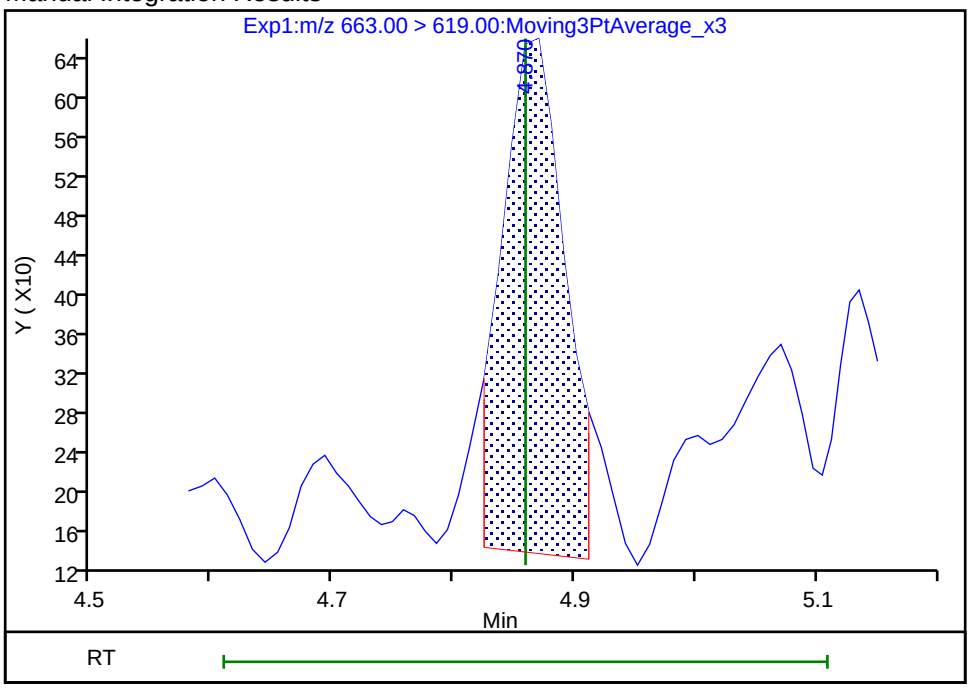
Not Detected
Expected RT: 4.86

Processing Integration Results



Manual Integration Results

RT: 4.87
Area: 1837
Amount: 0.001960
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:55:29
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

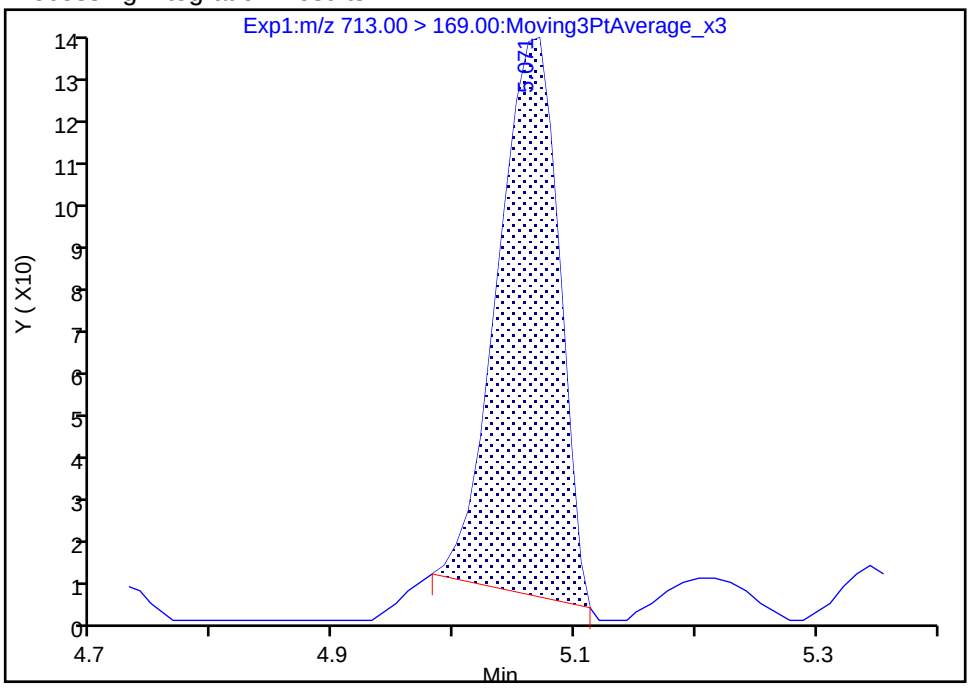
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d				
Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

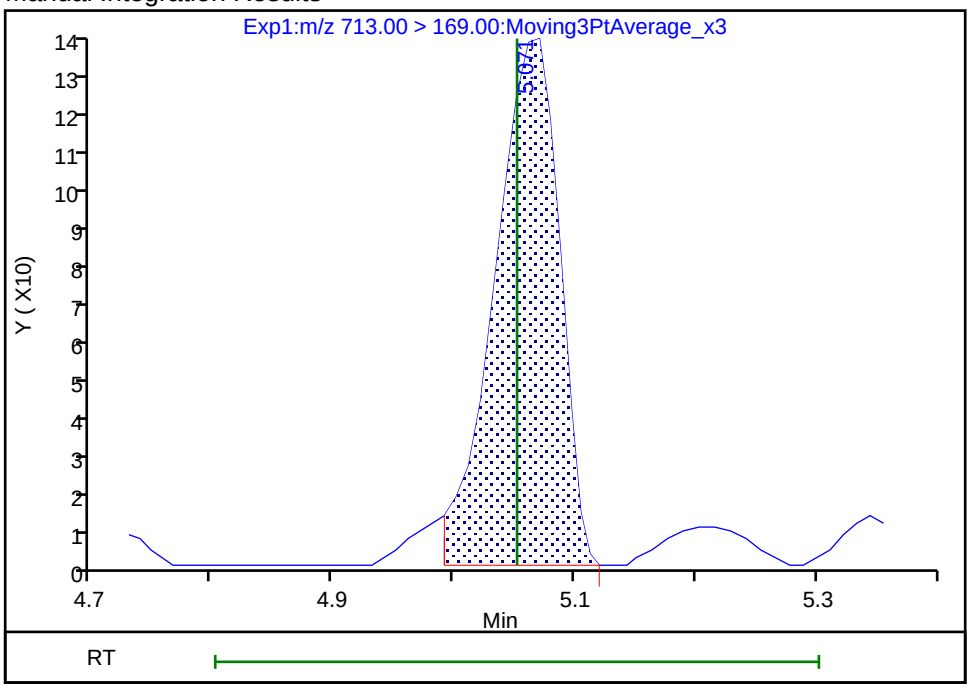
Processing Integration Results

RT: 5.07
Area: 466
Amount: 0.003215
Amount Units: ng/ml



Manual Integration Results

RT: 5.07
Area: 514
Amount: 0.003579
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:55:40

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

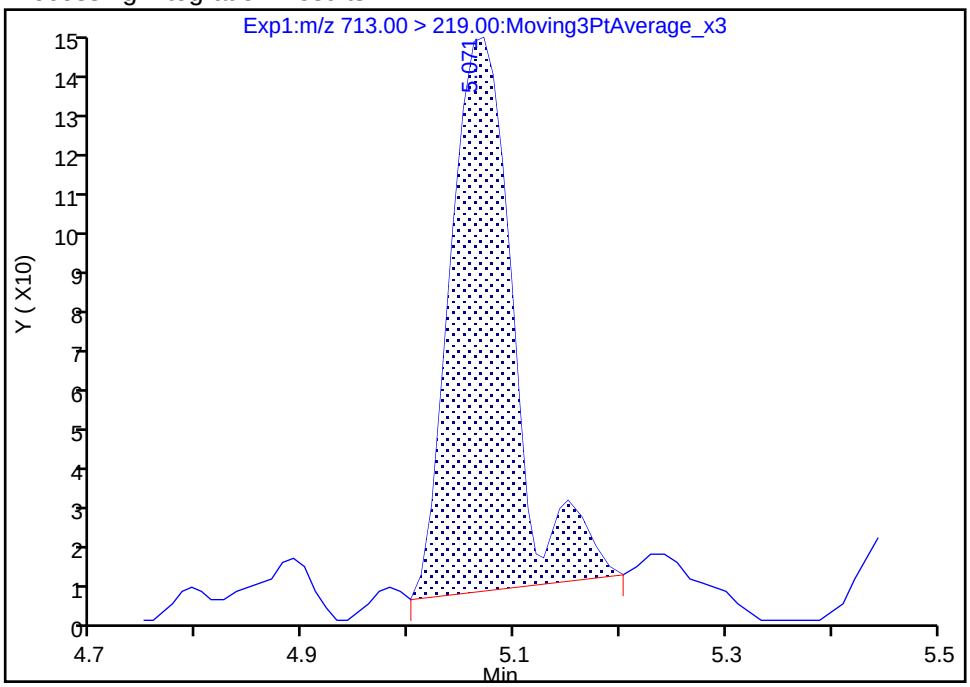
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d				
Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

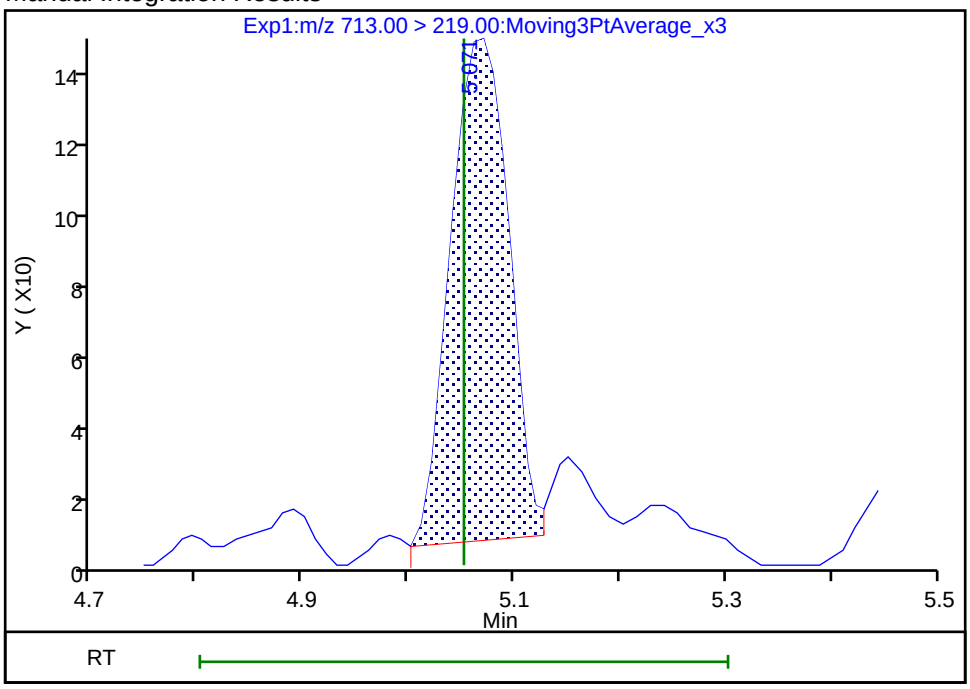
Processing Integration Results

RT: 5.07
Area: 557
Amount: 0.003215
Amount Units: ng/ml



Manual Integration Results

RT: 5.07
Area: 513
Amount: 0.003579
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:55:42

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

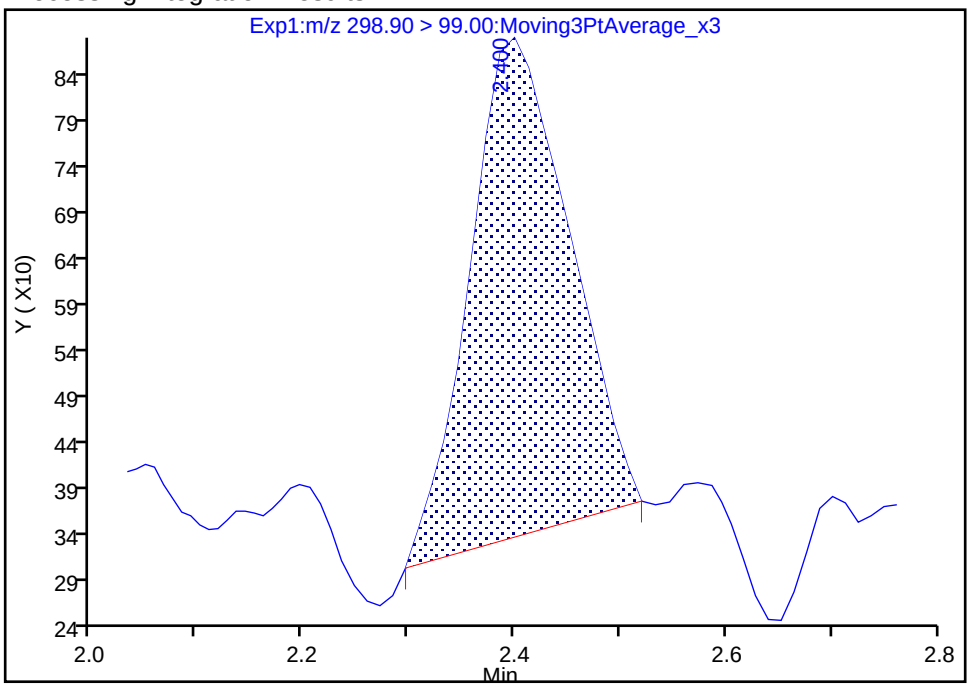
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d				
Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

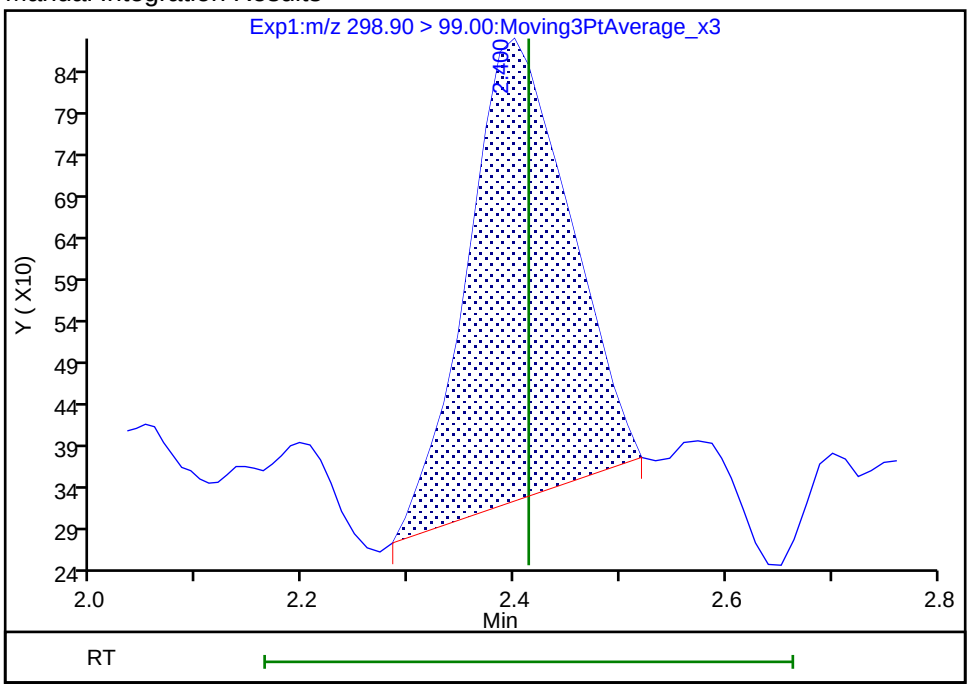
Processing Integration Results

RT: 2.40
Area: 3567
Amount: 0.003277
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 3741
Amount: 0.003235
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:51:41
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

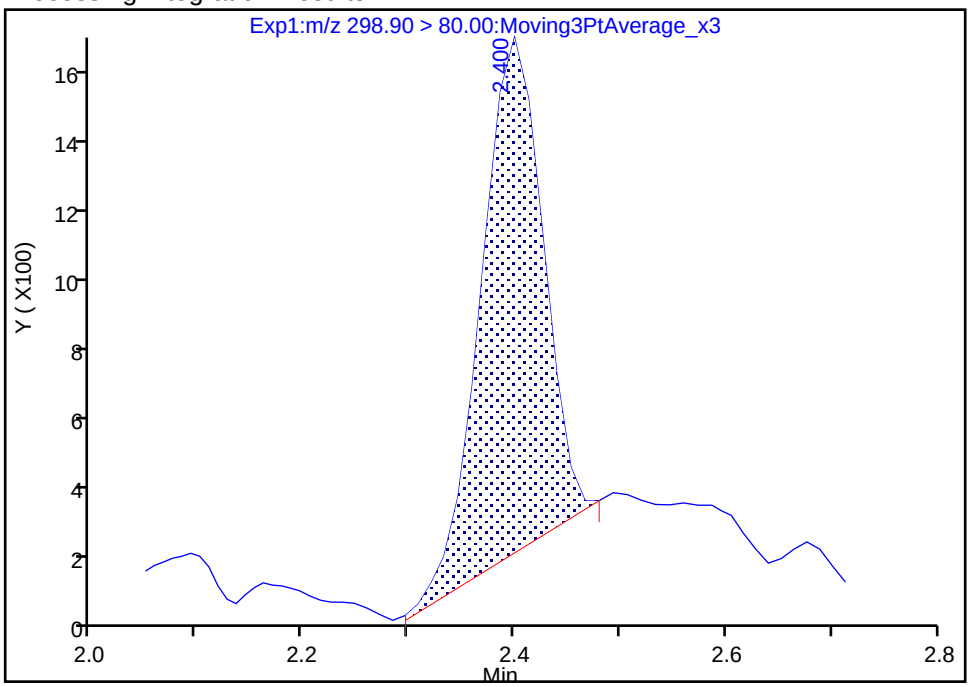
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d				
Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

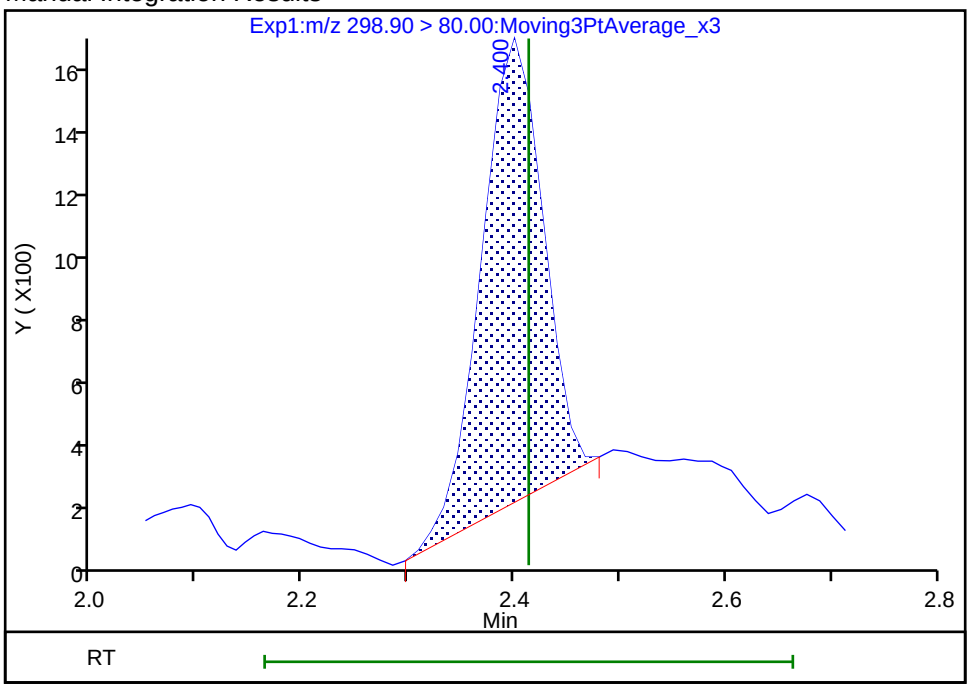
Processing Integration Results

RT: 2.40
Area: 5578
Amount: 0.003277
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 5506
Amount: 0.003235
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:51:44

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

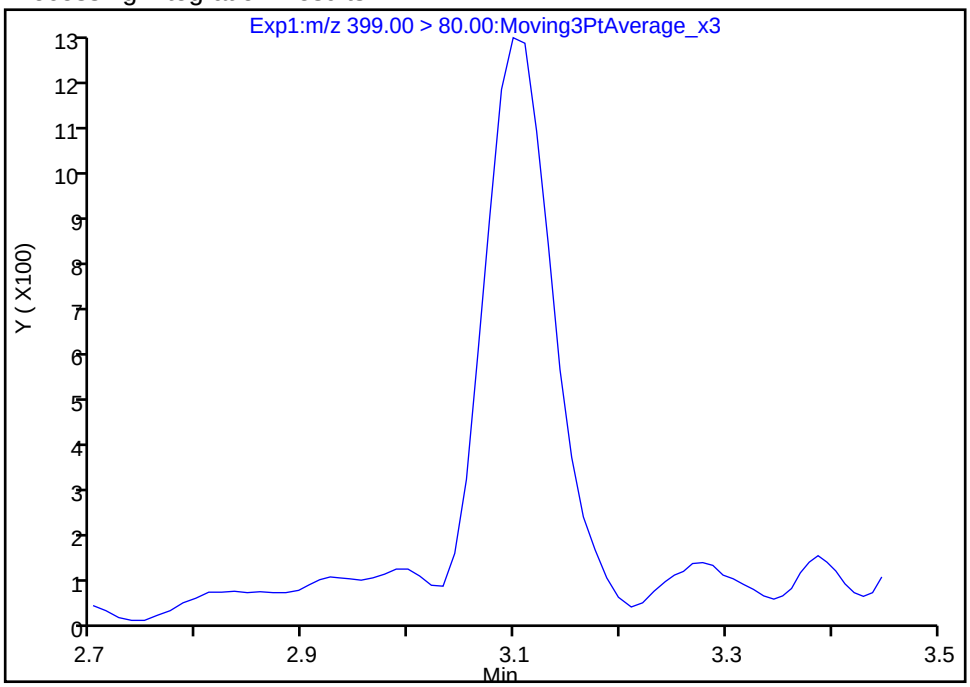
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d				
Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

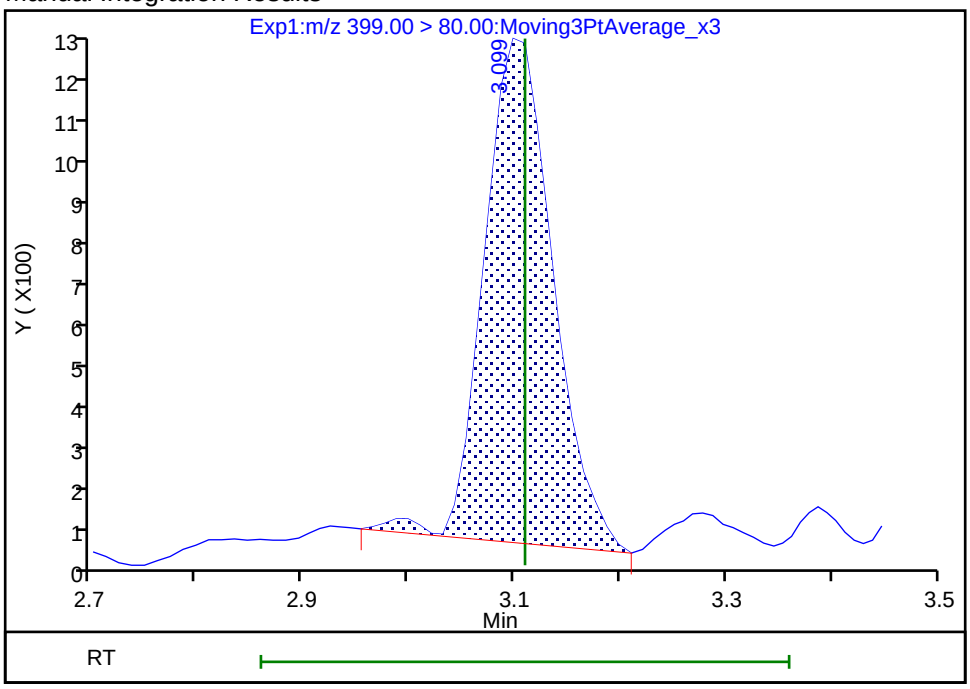
Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results

RT: 3.10
Area: 5470
Amount: 0.004551
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:52:18
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

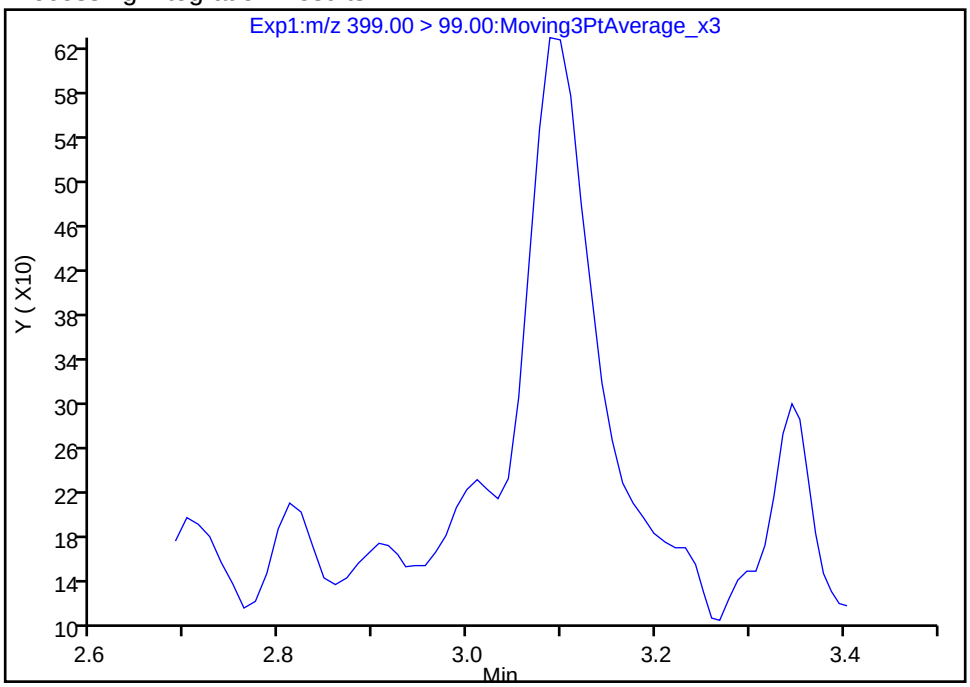
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d				
Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

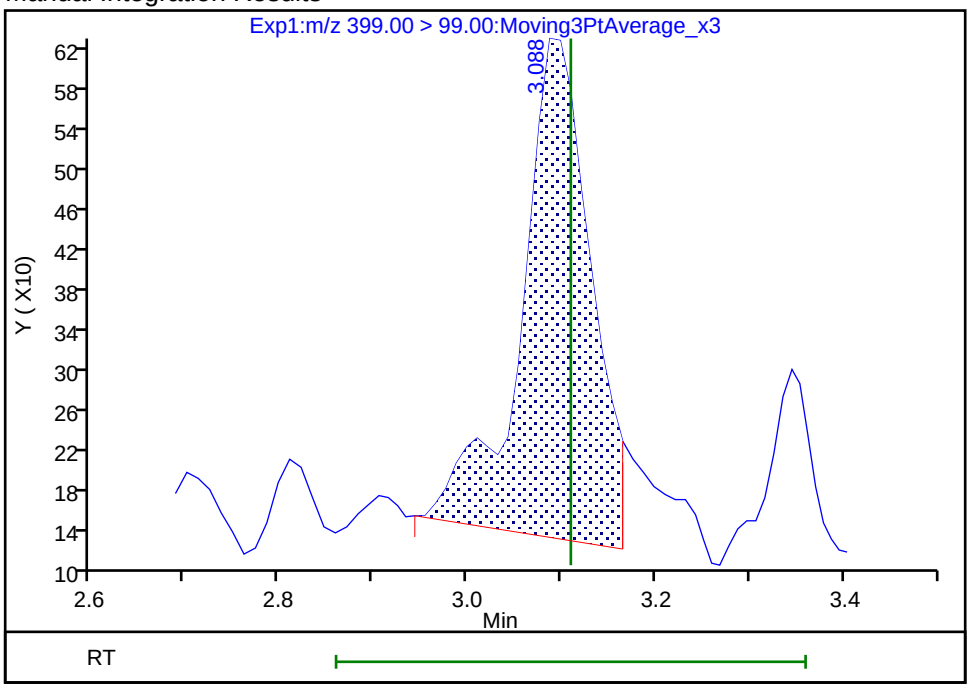
Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results

RT: 3.09
Area: 2545
Amount: 0.004551
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:52:25
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

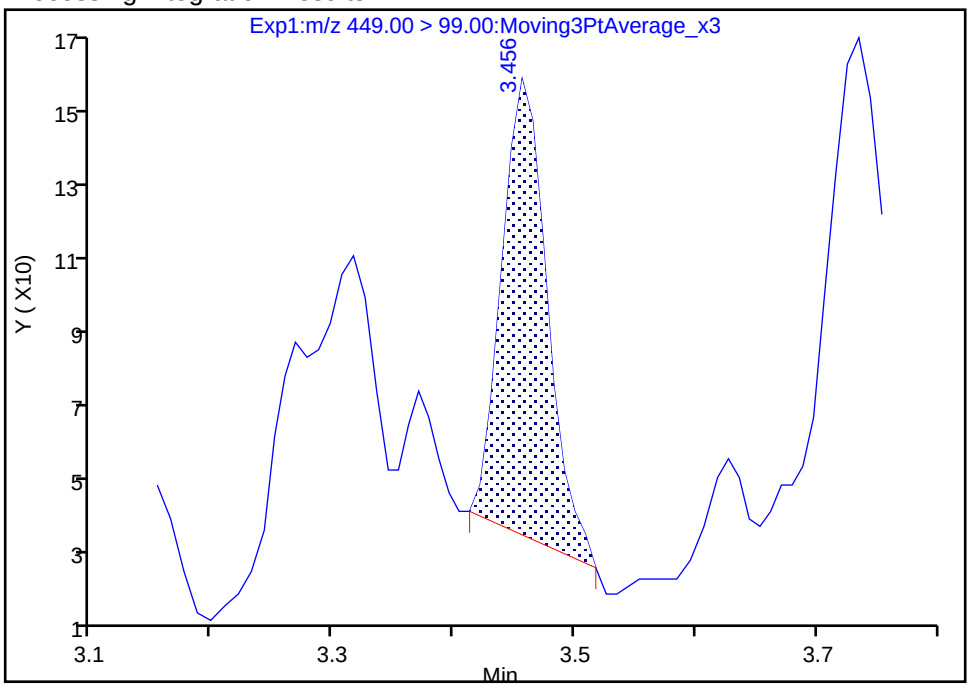
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d				
Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

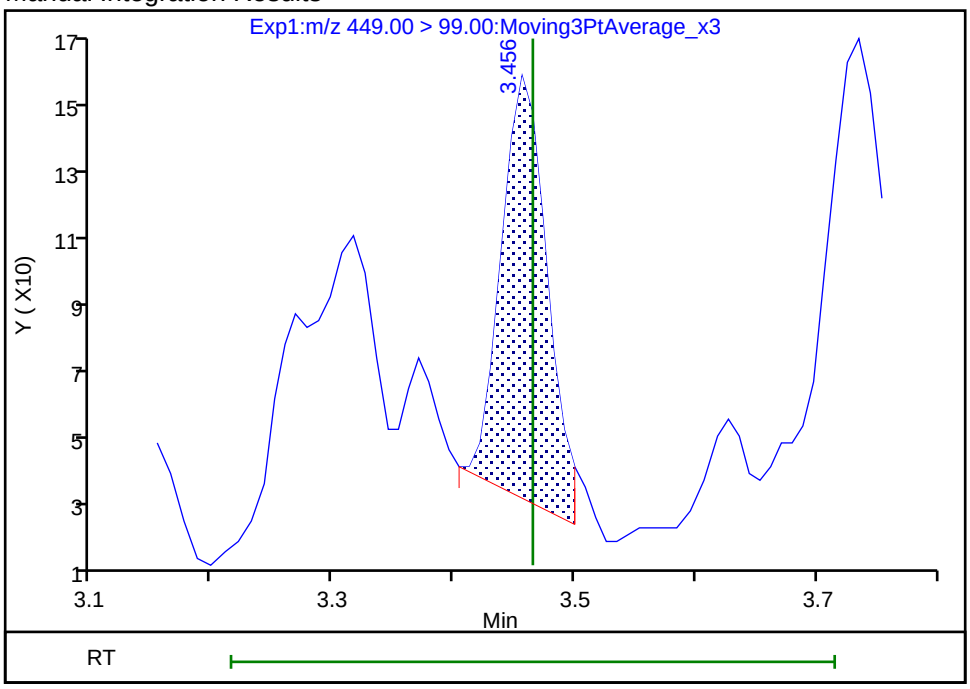
Processing Integration Results

RT: 3.46
Area: 317
Amount: 0.001338
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 326
Amount: 0.001338
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:53:00

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

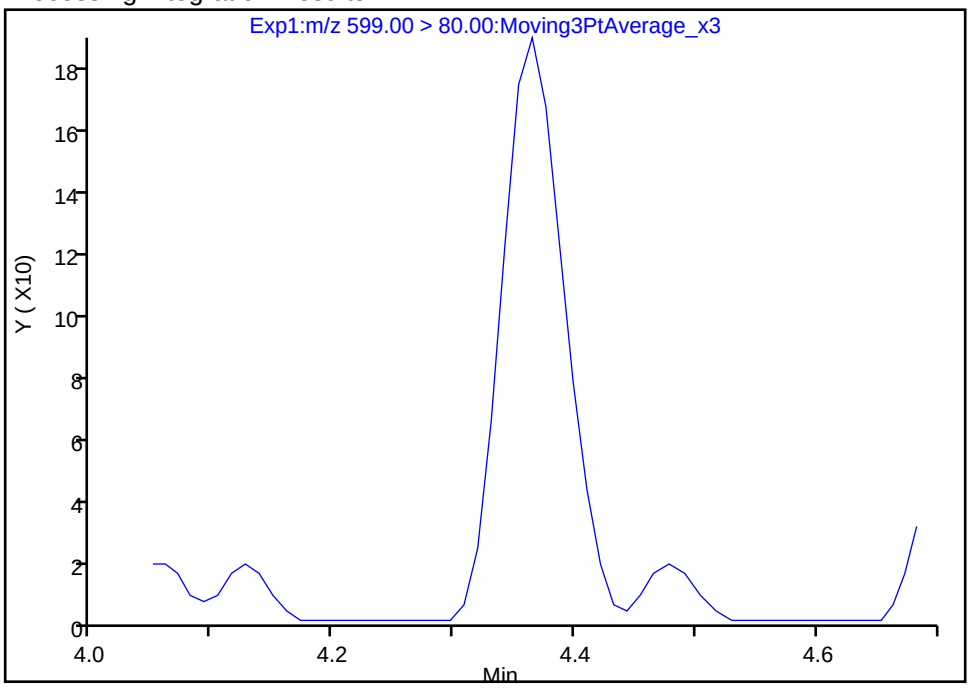
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d				
Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

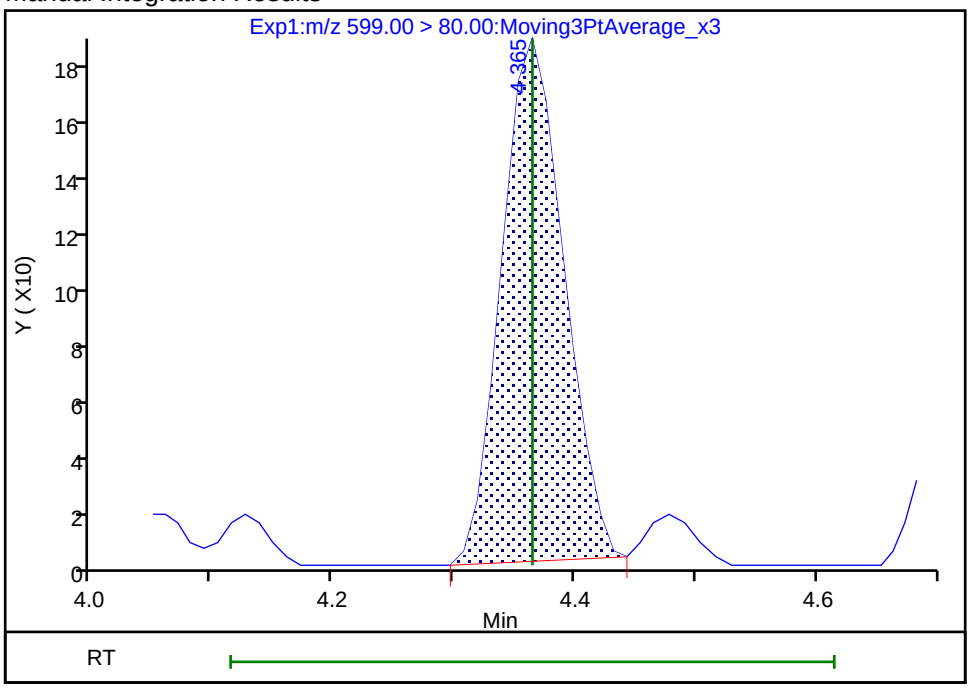
Not Detected
Expected RT: 4.36

Processing Integration Results



Manual Integration Results

RT: 4.36
Area: 661
Amount: 0.001511
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:54:28
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

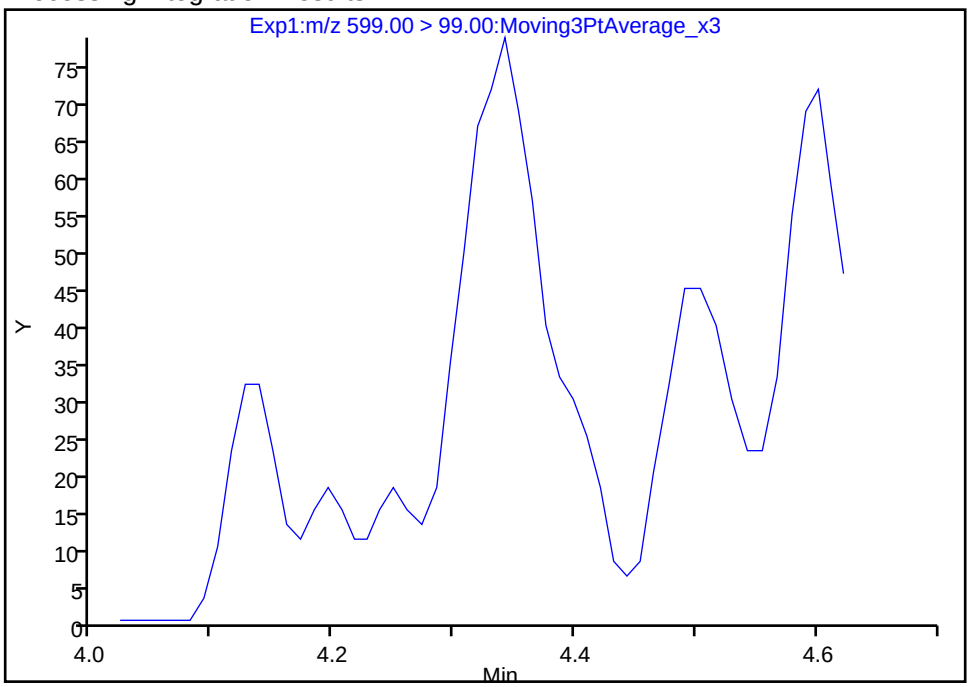
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d				
Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

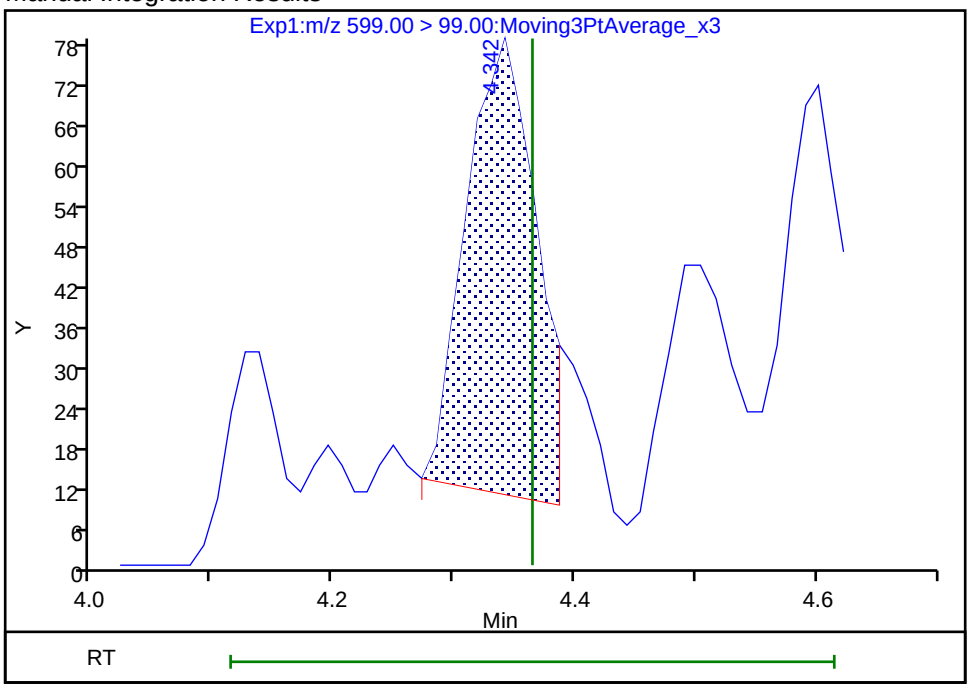
Not Detected
Expected RT: 4.36

Processing Integration Results



Manual Integration Results

RT: 4.34
Area: 271
Amount: 0.001511
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:54:34
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

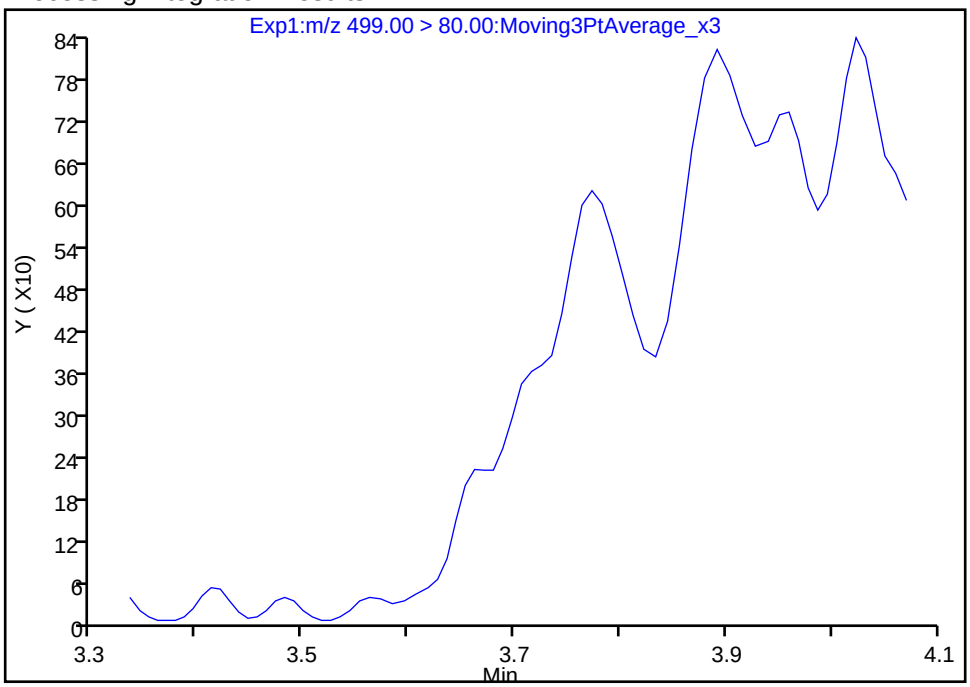
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d				
Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

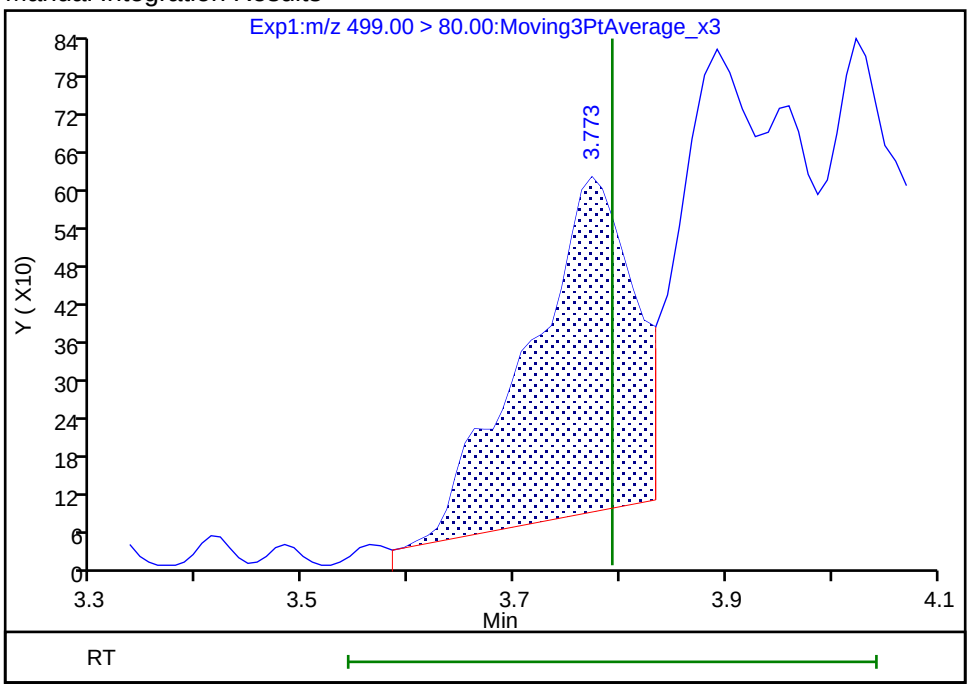
Not Detected
Expected RT: 3.79

Processing Integration Results



Manual Integration Results

RT: 3.77
Area: 3680
Amount: -0.013547
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:53:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

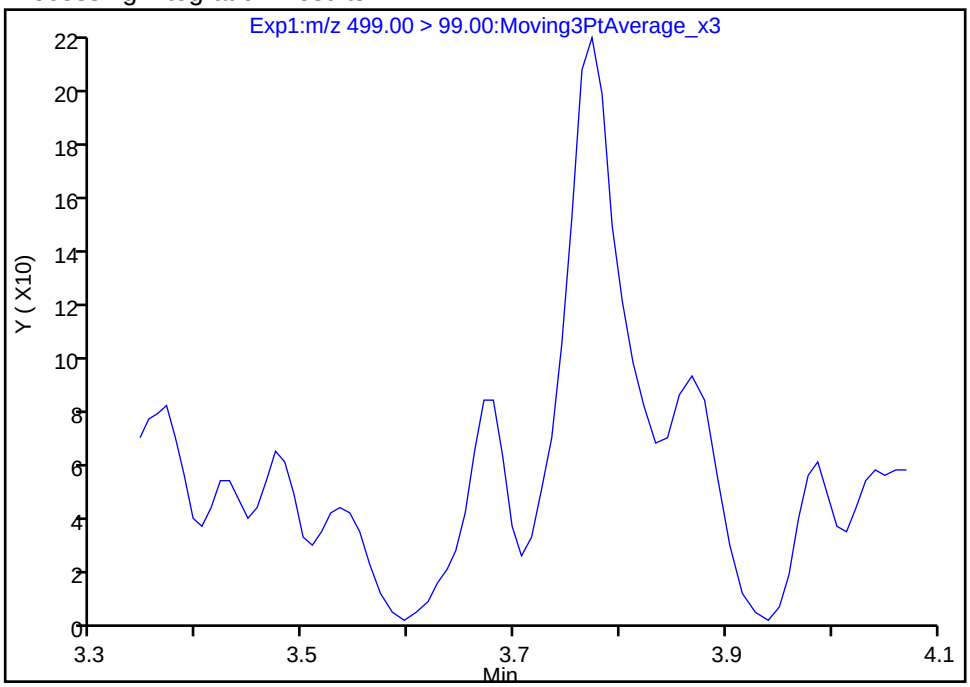
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d				
Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

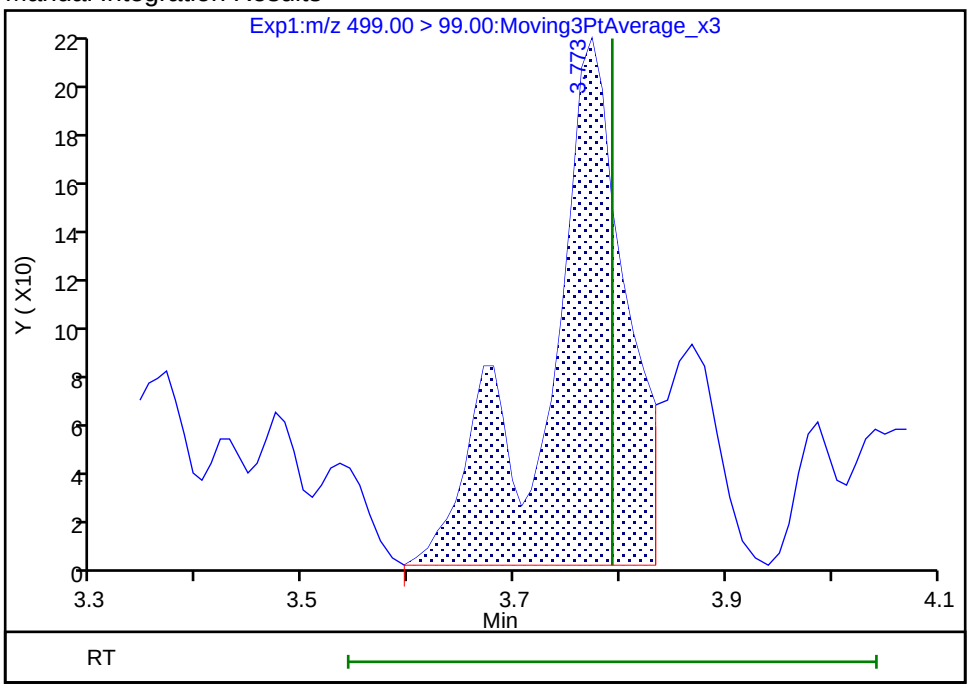
Not Detected
Expected RT: 3.79

Processing Integration Results



Manual Integration Results

RT: 3.77
Area: 1113
Amount: -0.013547
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:53:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

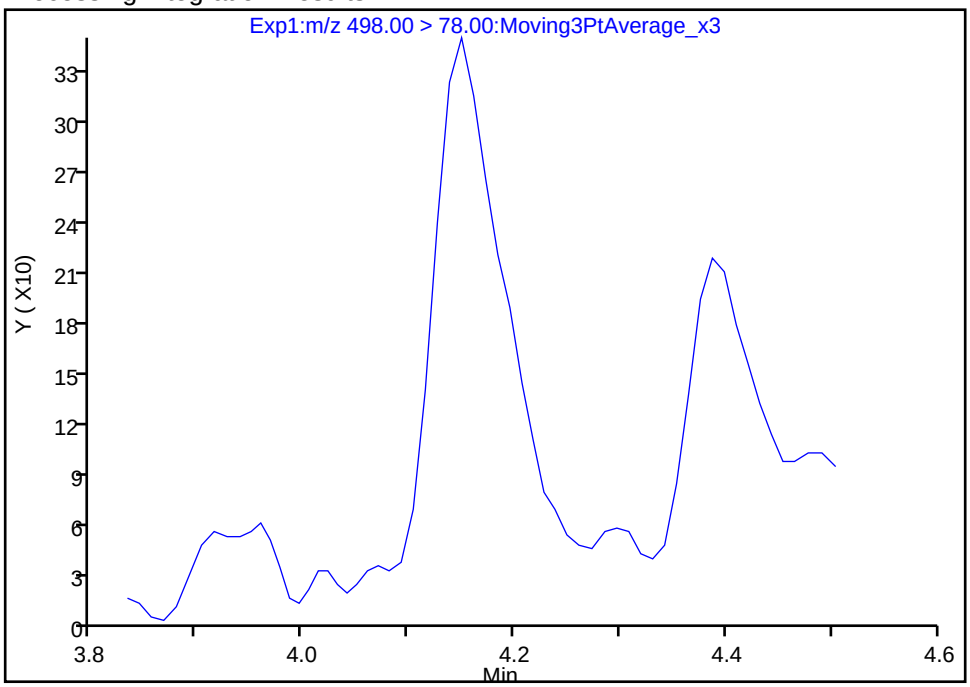
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d				
Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

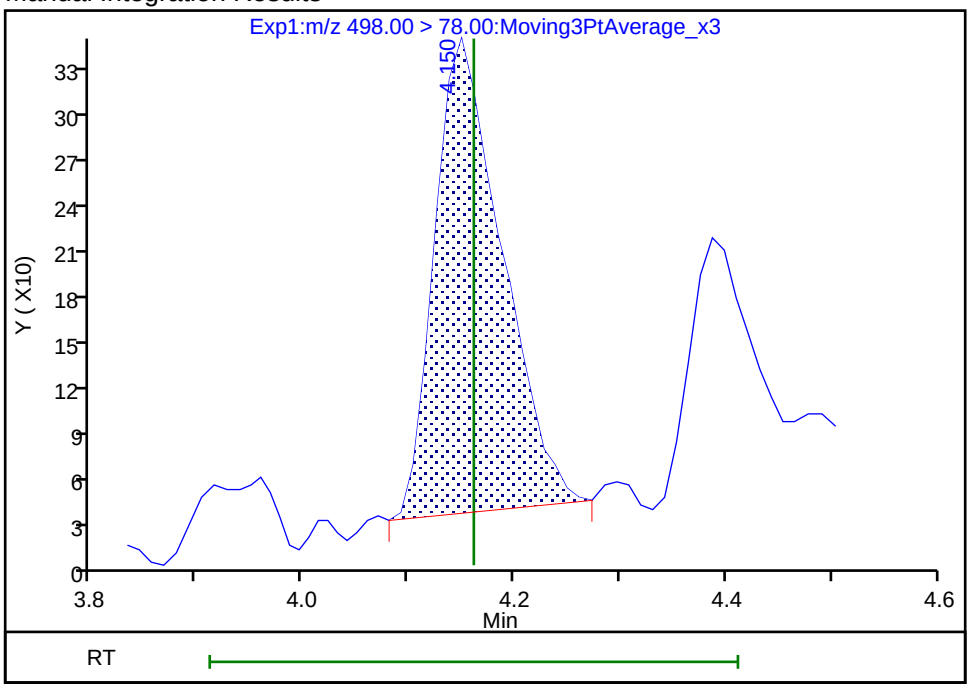
Not Detected
Expected RT: 4.16

Processing Integration Results



Manual Integration Results

RT: 4.15
Area: 1358
Amount: 0.001271
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:54:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

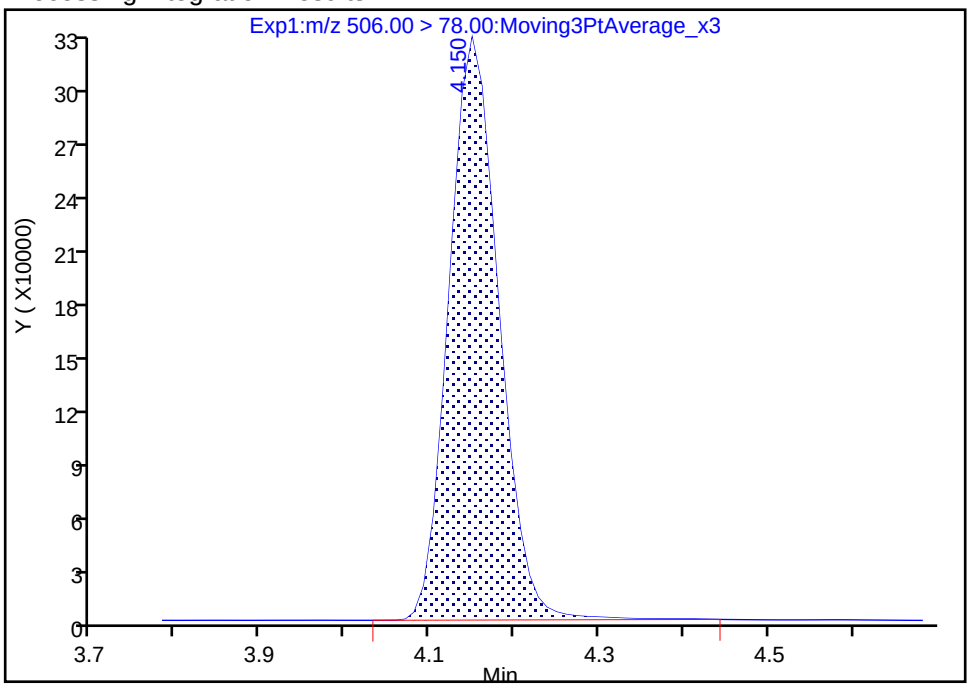
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d				
Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

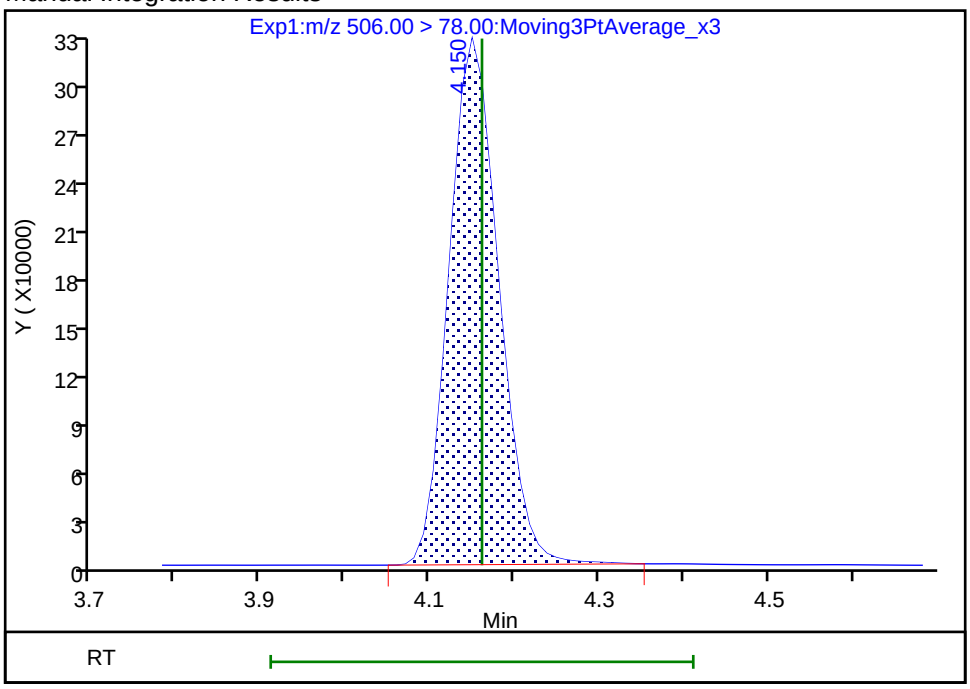
Processing Integration Results

RT: 4.15
Area: 1316510
Amount: 1.001015
Amount Units: ng/ml



Manual Integration Results

RT: 4.15
Area: 1310536
Amount: 0.996473
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:50:21

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

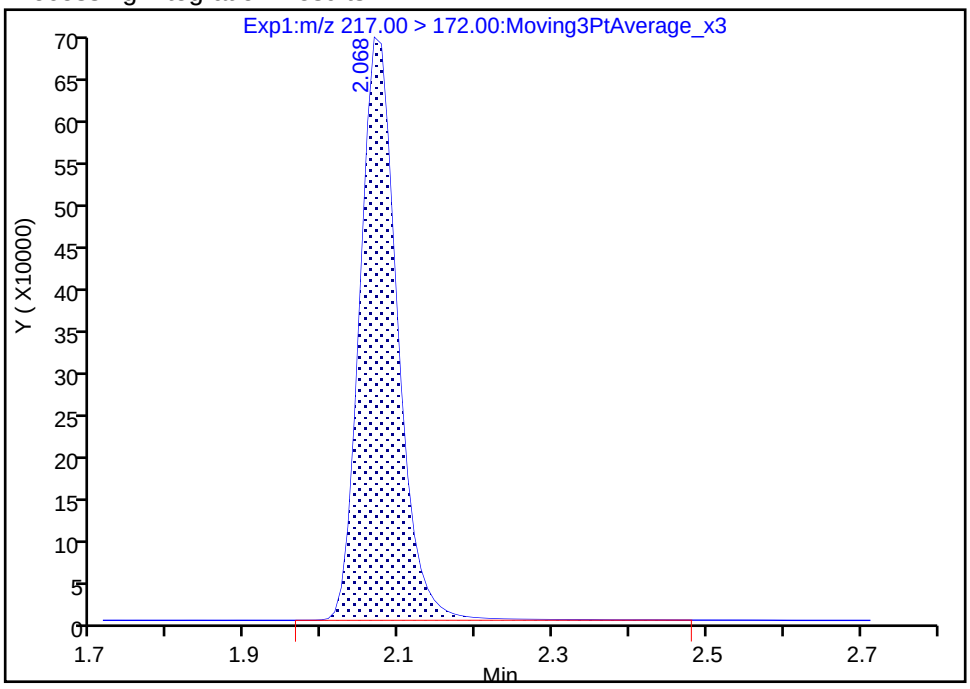
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d				
Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

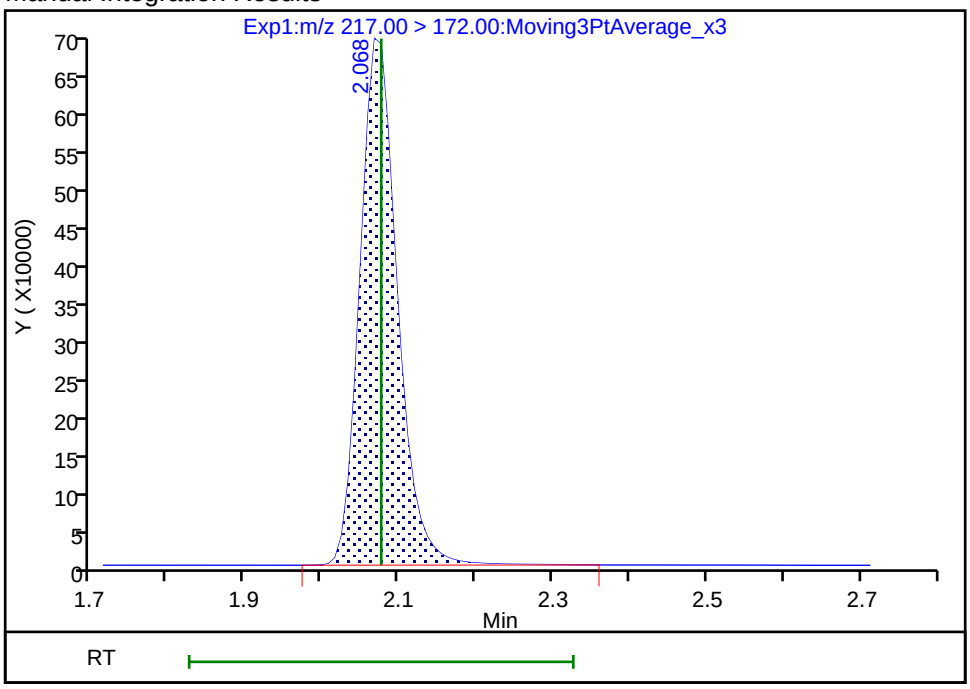
Processing Integration Results

RT: 2.07
Area: 2332042
Amount: 1.279832
Amount Units: ng/ml



Manual Integration Results

RT: 2.07
Area: 2329180
Amount: 1.278261
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 13:19:22

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

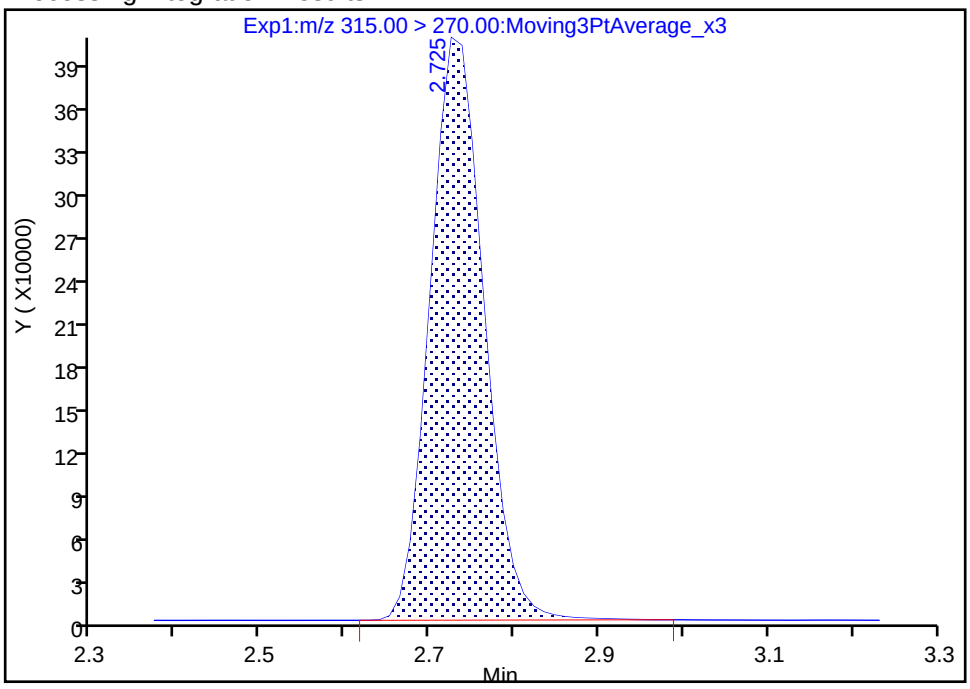
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d				
Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 7 13C2 PFHxA, CAS: STL00993

Signal: 1

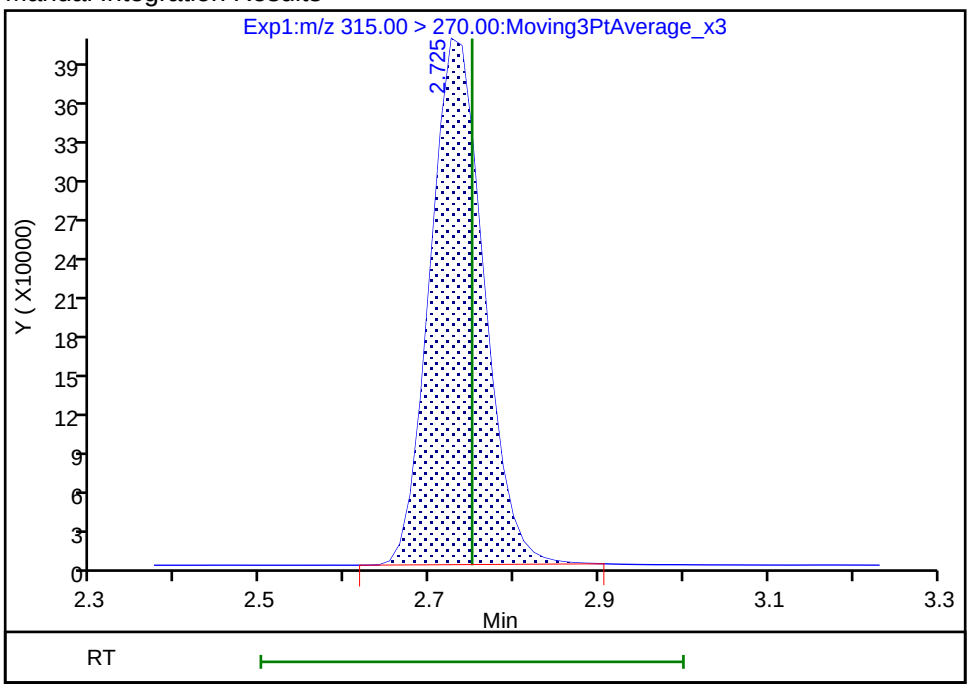
Processing Integration Results

RT: 2.73
Area: 1786195
Amount: 1.276516
Amount Units: ng/ml



Manual Integration Results

RT: 2.73
Area: 1778255
Amount: 1.270842
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 13:19:34

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

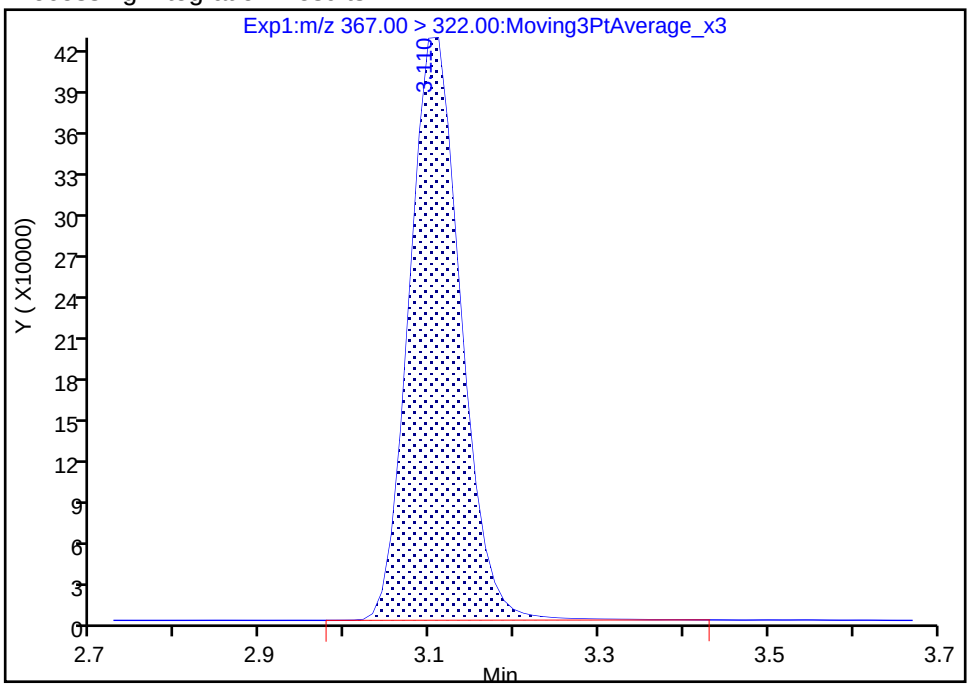
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d				
Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 9 13C4 PFHpA, CAS: STL01892

Signal: 1

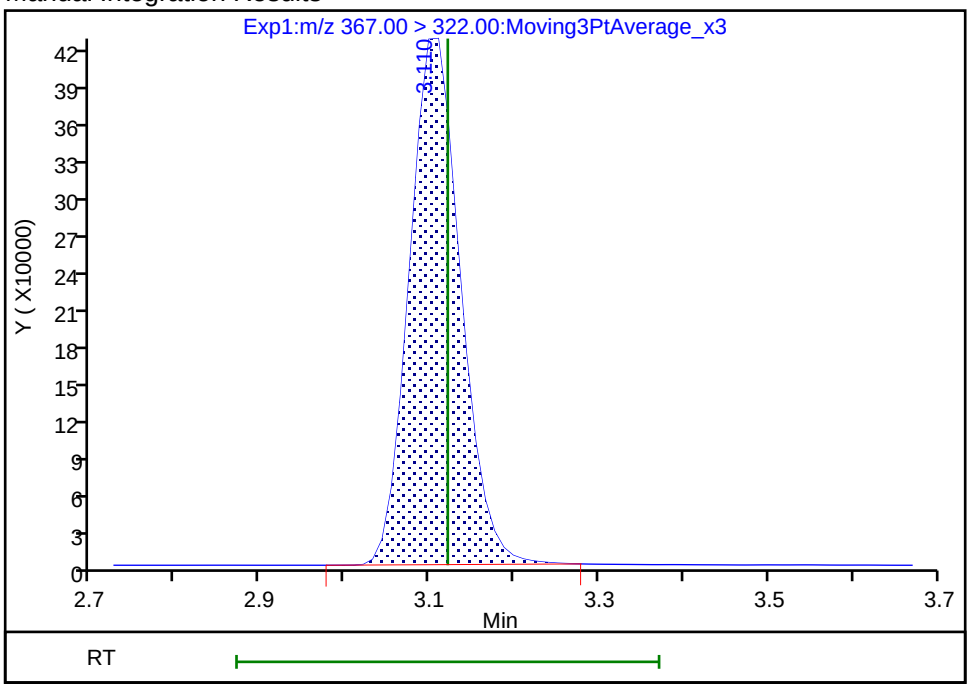
Processing Integration Results

RT: 3.11
Area: 1809516
Amount: 1.246744
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 1798898
Amount: 1.239429
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 13:19:41

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

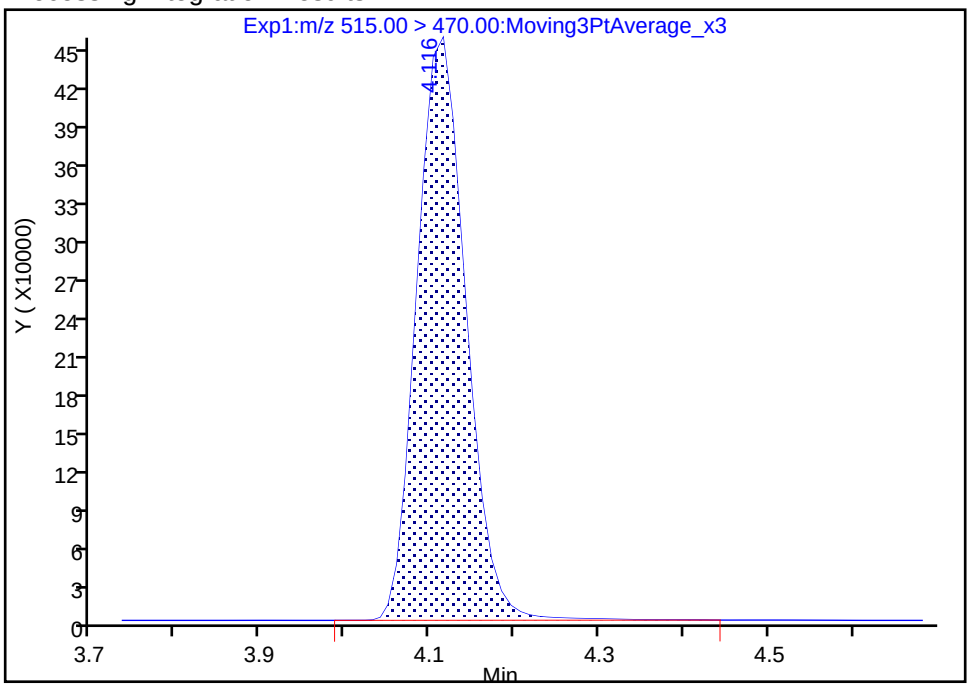
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d				
Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

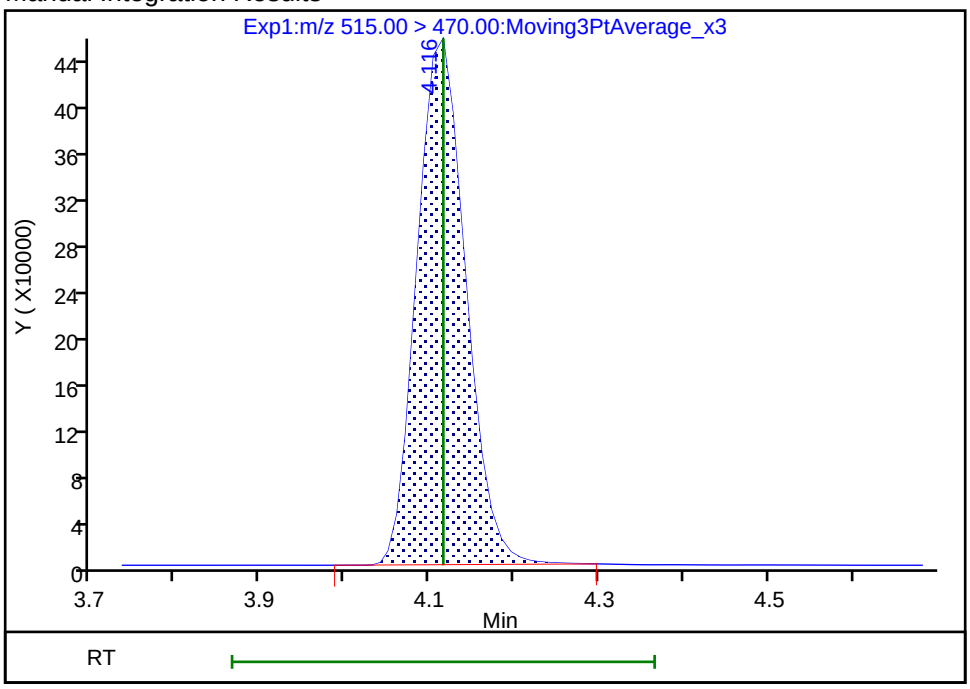
Processing Integration Results

RT: 4.12
Area: 1834132
Amount: 1.220581
Amount Units: ng/ml



Manual Integration Results

RT: 4.12
Area: 1821733
Amount: 1.212330
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 13:19:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

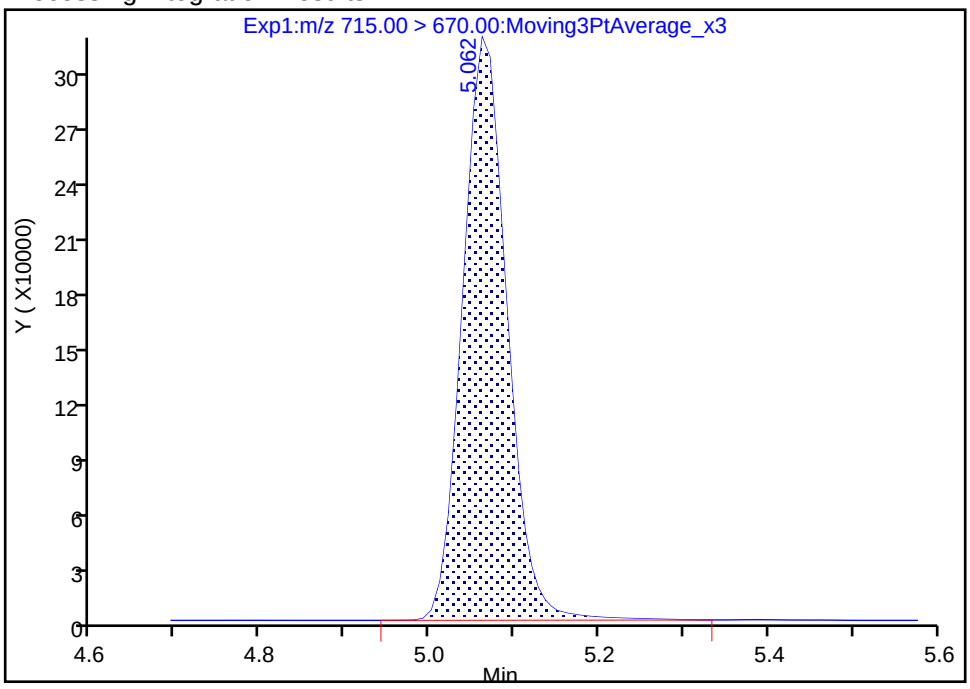
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Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

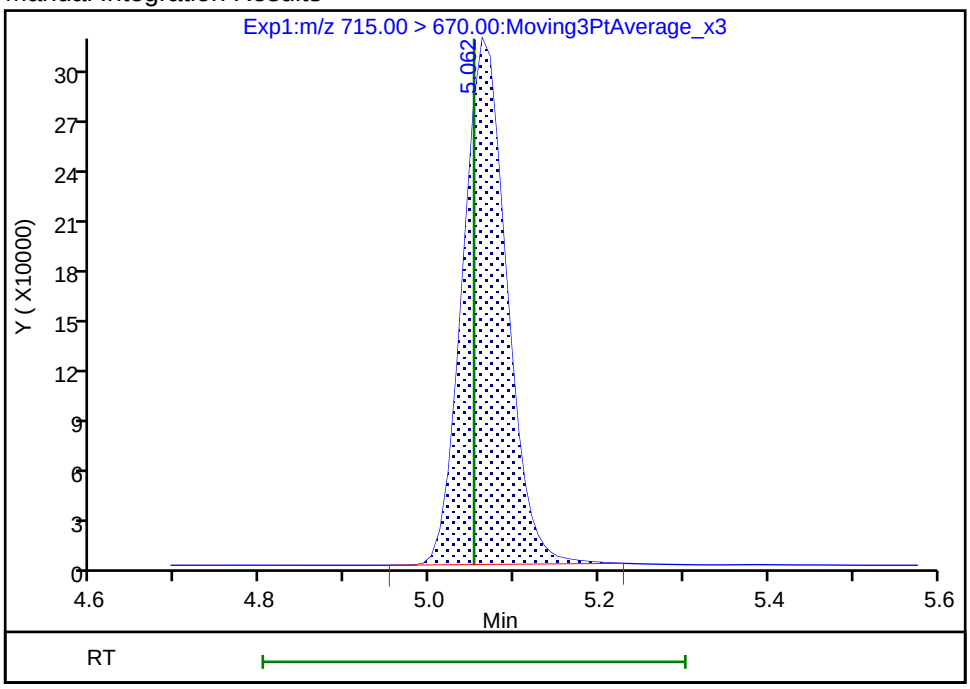
Processing Integration Results

RT: 5.06
Area: 1130950
Amount: 1.172632
Amount Units: ng/ml



Manual Integration Results

RT: 5.06
Area: 1120608
Amount: 1.161909
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 13:20:13

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

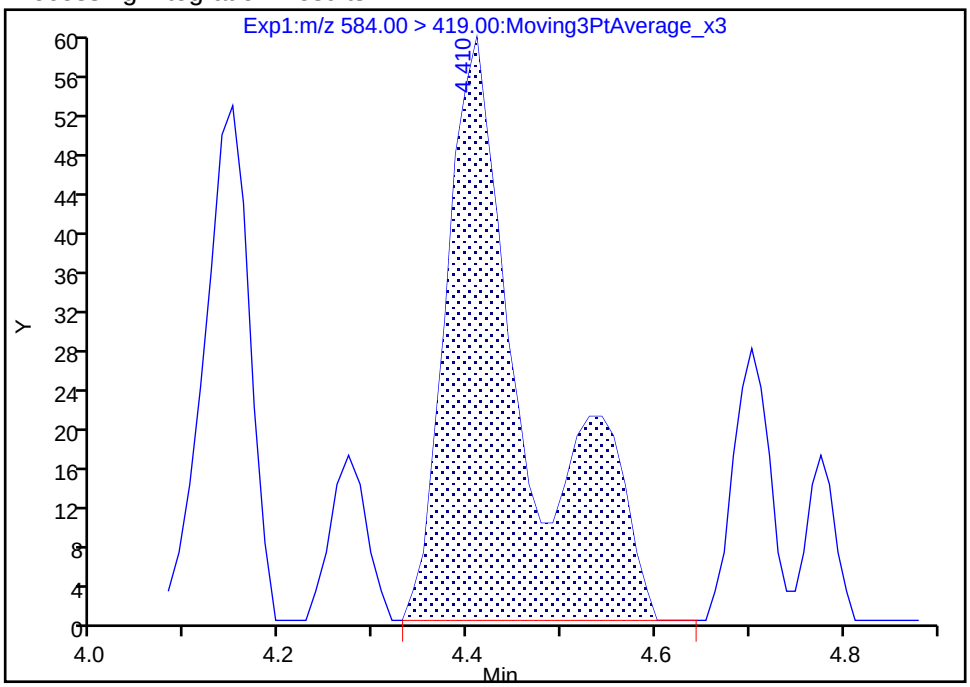
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d				
Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

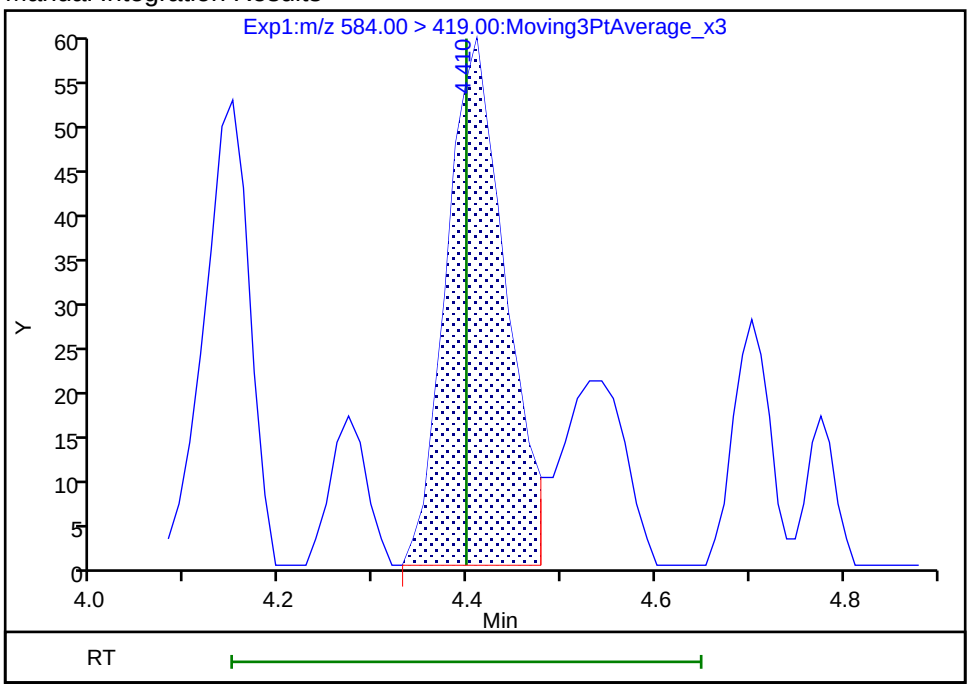
Processing Integration Results

RT: 4.41
Area: 360
Amount: 0.002687
Amount Units: ng/ml



Manual Integration Results

RT: 4.41
Area: 259
Amount: 0.001933
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:54:59

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

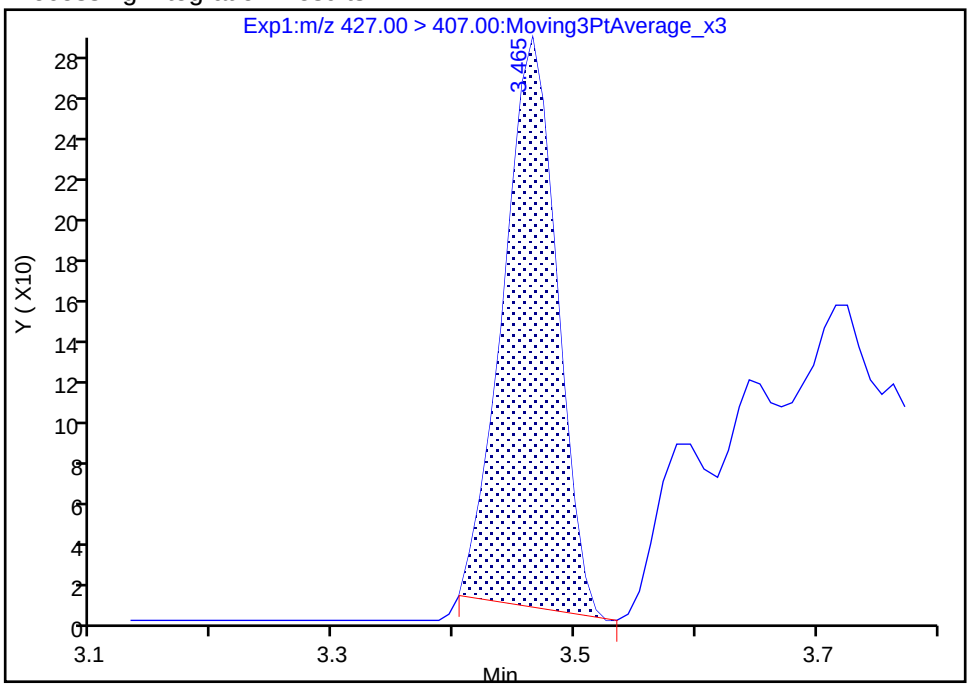
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d				
Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

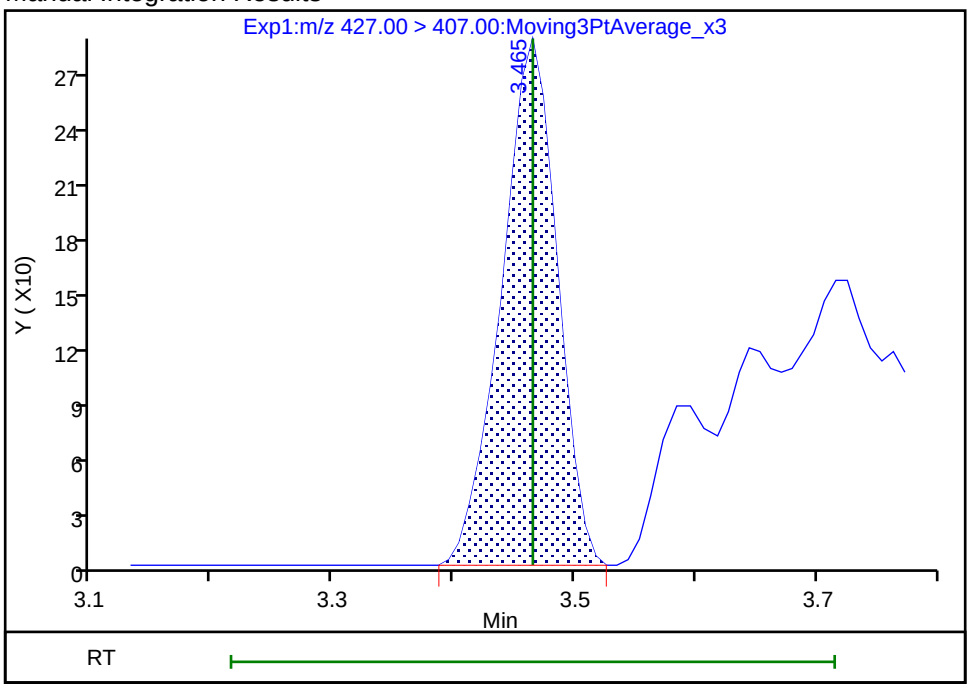
Processing Integration Results

RT: 3.46
Area: 848
Amount: -0.013685
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 899
Amount: -0.013497
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:52:52

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

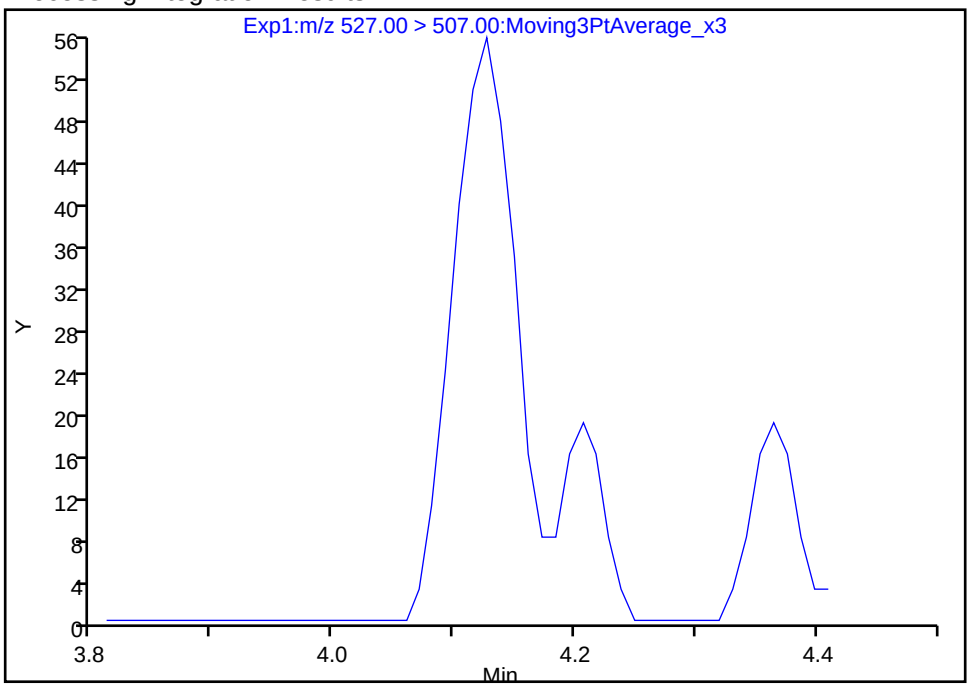
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d				
Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

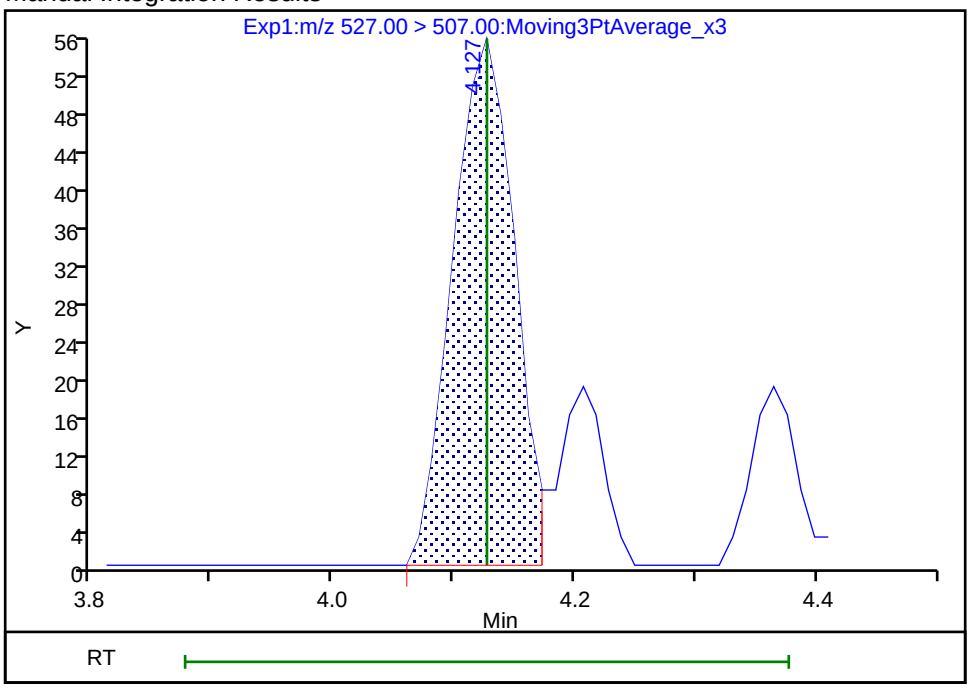
Not Detected
Expected RT: 4.13

Processing Integration Results



Manual Integration Results

RT: 4.13
Area: 197
Amount: 0.000900
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:54:15
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

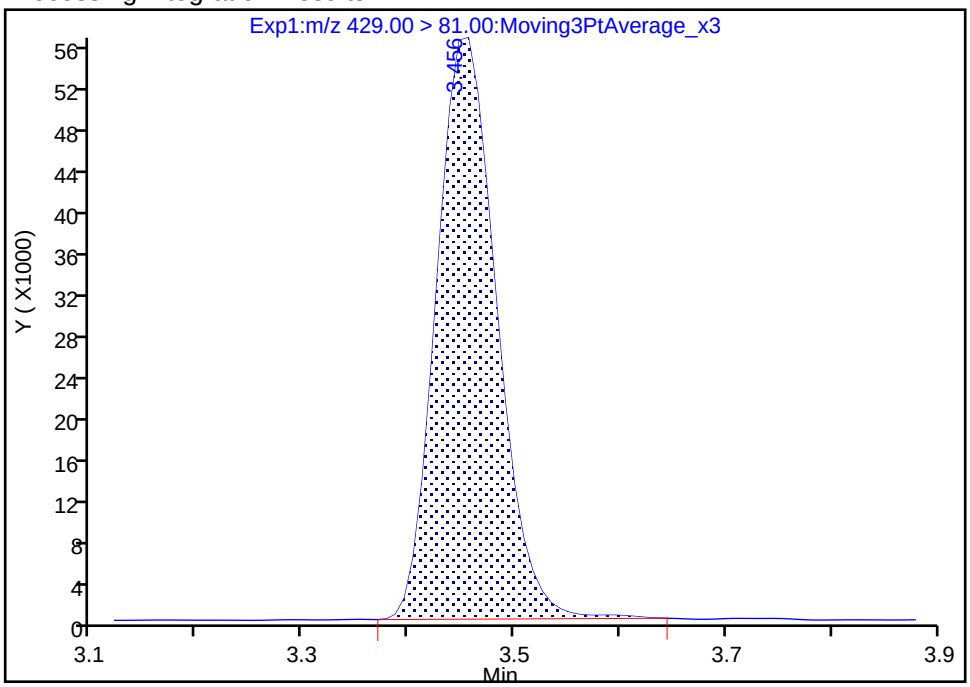
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C08.d				
Injection Date:	04-Aug-2022 17:58:34	Instrument ID:	LC812		
Lims ID:	460-262897-A-13-A	Lab Sample ID:	200-262897-13		
Client ID:	FB_20220729				
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

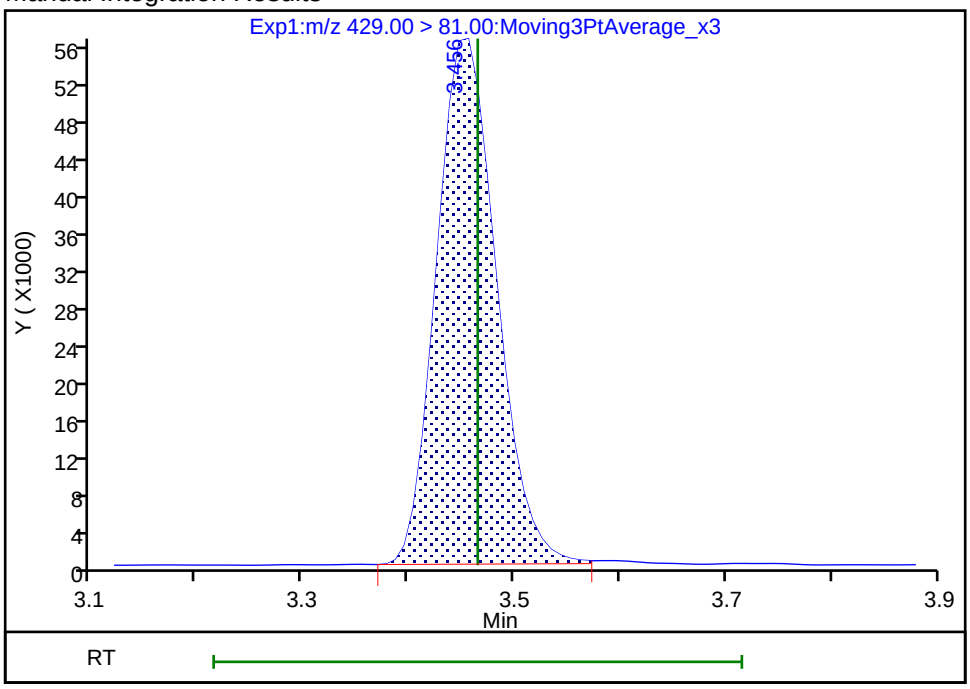
Processing Integration Results

RT: 3.46
Area: 222102
Amount: 1.163463
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 221277
Amount: 1.159142
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:50:09

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.: 460-262897-1 Analy Batch No.: 182319

SDG No.:

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

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

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-182319/5	PA220803ICAL05.d
Level 2	IC 200-182319/6	PA220803ICAL06.d
Level 3	IC 200-182319/7	PA220803ICAL07.d
Level 4	ICIS 200-182319/8	PA220803ICAL08.d
Level 5	IC 200-182319/9	PA220803ICAL09.d
Level 6	IC 200-182319/10	PA220803ICAL10.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Perfluorobutanoic acid (PFBA)	1.0995 0.9124	1.0229	0.9925	0.9329	0.8579	AveID		0.9697				8.9		20.0			
Perfluoropentanoic acid (PFPeA)	1.1245 0.9923	1.0788	1.0391	1.0049	0.9460	AveID		1.0309				6.2		20.0			
Perfluorobutanesulfonic acid (PFBS)	1.1974 1.0793	1.1629	1.0977	1.0712	1.0146	AveID		1.1038				6.0		20.0			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	2.3896 2.2965	2.4823	2.4462	2.3787	2.2678	AveID		2.3768				3.5		20.0			
Perfluorohexanoic acid (PFHxA)	1.0941 1.0084	1.1299	1.0493	1.0140	0.9650	AveID		1.0435				5.8		20.0			
Perfluoropentanesulfonic acid (PFPeS)	1.3805 1.2609	1.3339	1.3636	1.2478	1.1929	AveID		1.2966				5.7		20.0			
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	1.2670 1.0094	1.0932	1.0693	1.0304	0.9779	AveID		1.0745				9.6		20.0			
Perfluorohexanesulfonic acid (PFHxS)	1.2649 1.0524	1.1483	1.1384	1.0214	0.9922	AveID		1.1029				9.2		20.0			
Perfluoroheptanoic acid (PFHpA)	1.1294 0.9991	1.0941	0.9881	1.0175	0.9554	AveID		1.0306				6.5		20.0			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	4.5089 3.7762	4.3473	4.2326	4.1147	3.7329	AveID		4.1188				7.6		20.0			
6:2 FTS	1.8181 1.4633	1.7516	1.6769	1.4735	1.4254	L1ID	0.0245	1.4572							0.9990		0.9900
Perfluoroheptanesulfonic acid (PFHpS)	1.3934 1.1928	1.2528	1.2495	1.1897	1.1378	AveID		1.2360				7.1		20.0			
Perfluorooctanoic acid (PFOA)	1.3111 1.0396	1.1421	1.1267	1.0905	1.0185	AveID		1.1214				9.3		20.0			

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

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

Lab Name: Eurofins Burlington Job No.: 460-262897-1 Analy Batch No.: 182319

SDG No.:

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

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

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Perfluorooctanesulfonic acid (PFOS)	1.4064 1.0028	1.1882	1.0439	1.0142	0.9776	L1ID	0.0184	0.9949							1.0000		0.9900
Perfluorononanoic acid (PFNA)	1.1446 0.9585	1.0301	1.0236	1.0105	0.9378	AveID		1.0175				7.1		20.0			
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	1.8703 1.6900	1.8234	1.8471	1.7469	1.6214	AveID		1.7665				5.5		20.0			
Perfluorononanesulfonic acid (PFNS)	0.8342 0.7468	0.8288	0.7936	0.7652	0.7292	AveID		0.7830				5.5		20.0			
Perfluorodecanoic acid (PFDA)	1.1271 0.9728	1.0294	1.1177	1.0557	1.0075	AveID		1.0517				5.8		20.0			
8:2 FTS	0.9973 0.9164	0.9688	0.9837	1.0095	0.9182	AveID		0.9657				4.1		20.0			
Perfluorooctanesulfonamide (FOSA)	1.0025 0.9860	1.1132	1.0461	0.9874	0.9789	AveID		1.0190				5.1		20.0			
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.8770 0.8764	0.8551	1.0037	0.8643	0.8521	AveID		0.8881				6.5		20.0			
Perfluorodecanesulfonic acid (PFDS)	0.5628 0.5667	0.5952	0.6171	0.5924	0.5617	AveID		0.5827				3.9		20.0			
Perfluoroundecanoic acid (PFUnA)	1.1655 1.0073	1.0594	1.0686	1.0614	0.9944	AveID		1.0594				5.7		20.0			
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.9361 0.8961	0.9741	0.9251	0.8726	0.8435	AveID		0.9079				5.2		20.0			
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	2.4120 2.1558	2.3463	2.4238	2.3173	2.1400	AveID		2.2992				5.4		20.0			
Perfluorododecanoic acid (PFDoA)	1.0861 0.9547	1.0227	1.0678	1.0097	0.9438	AveID		1.0141				5.7		20.0			
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	0.4497 0.4177	0.4838	0.4683	0.4566	0.4306	AveID		0.4511				5.4		20.0			
Perfluorododecanesulfonic acid (PFDoS)	0.2786 0.2451	0.2623	0.2876	0.2411	0.2374	AveID		0.2587				8.1		20.0			
Perfluorotridecanoic acid (PFTriA)	0.9601 0.7841	0.8815	0.9272	0.9010	0.8207	AveID		0.8791				7.5		20.0			
Perfluorotetradecanoic acid (PFTeA)	0.1735 0.1532	0.1627	0.1625	0.1575	0.1518	AveID		0.1602				4.9		20.0			

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

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

Lab Name: Eurofins Burlington Job No.: 460-262897-1 Analy Batch No.: 182319

SDG No.:

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

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

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Perfluoro-n-hexadecanoic acid (PFHxDA)	1.1646 0.8939	1.0870	1.0285	0.9260	0.8859	L1ID	0.0186	0.8940							0.9990		0.9900
Perfluoro-n-octadecanoic acid (PFODA)	0.6775 0.6084	0.7070	0.7291	0.6460	0.6214	AveID		0.6649				7.2		20.0			
13C4 PFBA	1.1726 1.1824	1.1973	1.1438	1.1522	1.1540	Ave		1.1670				1.8		50.0			
13C5 PFPeA	0.9489 0.8882	0.9301	0.9081	0.8384	0.8722	Ave		0.8976				4.5		50.0			
13C3 PFBS	1.0631 1.0216	1.0581	1.0503	1.0003	1.0386	Ave		1.0387				2.3		50.0			
M2-4:2 FTS	0.0896 0.0902	0.0917	0.0891	0.0862	0.0897	Ave		0.0894				2.0		50.0			
13C2 PFHxA	0.9203 0.8912	0.8683	0.9146	0.8950	0.8878	Ave		0.8962				2.1		50.0			
13C3 HFPO-DA	0.1681 0.1778	0.1713	0.1629	0.1647	0.1673	Ave		0.1687				3.2		50.0			
18O2 PFHxS	0.7337 0.7621	0.7079	0.7226	0.7344	0.7223	Ave		0.7305				2.5		50.0			
13C4 PFHpA	0.9458 0.9170	0.9105	0.9783	0.9172	0.9086	Ave		0.9296				2.9		50.0			
M2-6:2 FTS	0.1305 0.1221	0.1208	0.1174	0.1238	0.1190	Ave		0.1223				3.8		50.0			
13C4 PFOA	0.9664 0.9714	0.9821	0.9385	0.9343	0.9224	Ave		0.9525				2.5		50.0			
13C4 PFOS	0.5550 0.5622	0.5574	0.5371	0.5252	0.5359	Ave		0.5455				2.7		50.0			
13C5 PFNA	1.0195 0.9738	1.0155	0.9522	1.0091	0.9633	Ave		0.9889				3.0		50.0			
13C2 PFDA	0.9585 0.9683	1.0090	0.9553	0.9695	0.9139	Ave		0.9624				3.2		50.0			
M2-8:2 FTS	0.1567 0.1515	0.1467	0.1413	0.1454	0.1411	Ave		0.1471				4.1		50.0			
13C8 FOSA	0.8796 0.8447	0.8533	0.8560	0.8028	0.8177	Ave		0.8423				3.3		50.0			
d3-NMeFOSAA	0.1297 0.1364	0.1272	0.1240	0.1289	0.1277	Ave		0.1290				3.2		50.0			

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

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

Lab Name: Eurofins Burlington Job No.: 460-262897-1 Analy Batch No.: 182319

SDG No.:

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

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

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
13C2 PFUnA	0.7330 0.7184	0.7633	0.7516	0.6866	0.7224	Ave		0.7292				3.7		50.0			
d5-NEtFOSAA	0.1264 0.1202	0.1213	0.1238	0.1195	0.1214	Ave		0.1221				2.1		50.0			
13C2 PFDoA	0.7516 0.7915	0.7807	0.7448	0.7225	0.7427	Ave		0.7556				3.4		50.0			
13C2 PFTeDA	0.6281 0.6215	0.6177	0.6191	0.6112	0.6087	Ave		0.6177				1.1		50.0			
13C2 PFHxDA	0.7349 0.7070	0.7202	0.6662	0.6959	0.6978	Ave		0.7037				3.3		50.0			

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

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

Lab Name: Eurofins Burlington Job No.: 460-262897-1 Analy Batch No.: 182319

SDG No.:

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

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

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-182319/5	PA220803ICAL05.d
Level 2	IC 200-182319/6	PA220803ICAL06.d
Level 3	IC 200-182319/7	PA220803ICAL07.d
Level 4	ICIS 200-182319/8	PA220803ICAL08.d
Level 5	IC 200-182319/9	PA220803ICAL09.d
Level 6	IC 200-182319/10	PA220803ICAL10.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Perfluorobutanoic acid (PFBA)		AveID	79209 13183310	154590	711450	1485378	3187659	0.0500 10.0	0.100	0.500	1.00	2.50
Perfluoropentanoic acid (PFPeA)		AveID	65556 10770827	126653	591383	1164099	2656548	0.0500 10.0	0.100	0.500	1.00	2.50
Perfluorobutanesulfonic acid (PFBS)		AveID	69137 11911747	137298	638698	1308863	2999148	0.0442 8.84	0.0884	0.442	0.884	2.21
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)		AveID	12287 2363764	26836	127514	264719	611993	0.0467 9.34	0.0934	0.467	0.934	2.34
Perfluorohexanoic acid (PFHxA)		AveID	61860 10982567	123840	601465	1254024	2758598	0.0500 10.0	0.100	0.500	1.00	2.50
Perfluoropentanesulfonic acid (PFPeS)		AveID	58374 11015177	111806	579172	1187688	2602336	0.0469 9.38	0.0938	0.469	0.938	2.35
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)		AveID	13087 2193377	23635	109153	234481	526717	0.0500 10.0	0.100	0.500	1.00	2.50
Perfluorohexanesulfonic acid (PFHxS)		AveID	51891 8919353	93371	469103	943168	2100026	0.0455 9.10	0.0910	0.455	0.910	2.28
Perfluoroheptanoic acid (PFHpA)		AveID	65633 11197138	125739	605835	1289525	2794876	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.: 460-262897-1 Analy Batch No.: 182319

SDG No.:

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

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

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)		AveID	144834 24439985	288123	1341908	2813092	6067195	0.0471 9.42	0.0942	0.471	0.942	2.36
6:2 FTS		L1ID	13823 2069626	25321	116911	238899	517908	0.0474 9.48	0.0948	0.474	0.948	2.37
Perfluoroheptanesulfonic acid (PFHpS)		AveID	45233 7802287	83914	400346	822025	1868882	0.0476 9.52	0.0952	0.476	0.952	2.38
Perfluorooctanoic acid (PFOA)		AveID	77847 12341745	141576	662670	1407860	3024763	0.0500 10.0	0.100	0.500	1.00	2.50
Perfluorooctanesulfonic acid (PFOS)		L1ID	44505 6393833	77581	326050	683046	1565335	0.0464 9.28	0.0928	0.464	0.928	2.32
Perfluorononanoic acid (PFNA)		AveID	71691 11406519	132027	610819	1409012	2908604	0.0500 10.0	0.100	0.500	1.00	2.50
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O		AveID	59438 10822143	119561	579400	1181613	2607229	0.0466 9.32	0.0932	0.466	0.932	2.33
Perfluorononanesulfonic acid (PFNS)		AveID	27309 4925638	55980	256419	533126	1207870	0.0480 9.60	0.0960	0.480	0.960	2.40
Perfluorodecanoic acid (PFDA)		AveID	66374 11511562	131103	669130	1414392	2964619	0.0500 10.0	0.100	0.500	1.00	2.50
8:2 FTS		AveID	9196 1625337	17191	83425	194268	399769	0.0479 9.58	0.0958	0.479	0.958	2.40
Perfluorooctanesulfonamide (FOSA)		AveID	54175 10178171	119896	561197	1095271	2577197	0.0500 10.0	0.100	0.500	1.00	2.50
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)		AveID	6986 1461120	13734	78017	153984	350351	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.: 460-262897-1 Analy Batch No.: 182319

SDG No.:

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

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

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Perfluorodecanesulfonic acid (PFDS)		AveID	18501 3753346	40369	200232	414469	934202	0.0482 9.64	0.0964	0.482	0.964	2.41
Perfluoroundecanoic acid (PFUnA)		AveID	52491 8843669	102072	503320	1006935	2312817	0.0500 10.0	0.100	0.500	1.00	2.50
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)		AveID	7270 1315871	14911	71793	144142	329631	0.0500 10.0	0.100	0.500	1.00	2.50
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF		AveID	77476 13952793	155503	768442	1584274	3478140	0.0471 9.42	0.0942	0.471	0.942	2.36
Perfluorododecanoic acid (PFDoA)		AveID	50149 9235605	100780	498404	1007986	2257049	0.0500 10.0	0.100	0.500	1.00	2.50
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)		AveID	4172 745570	8639	39968	88428	188626	0.0482 9.64	0.0964	0.482	0.964	2.41
Perfluorododecanesulfonic acid (PFDoS)		AveID	9196 1630442	17866	93712	169391	396436	0.0484 9.68	0.0968	0.484	0.968	2.42
Perfluorotridecanoic acid (PFTriA)		AveID	44332 7584486	86868	432811	899529	1962703	0.0500 10.0	0.100	0.500	1.00	2.50
Perfluorotetradecanoic acid (PFTeA)		AveID	6696 1163895	12683	63032	133055	297564	0.0500 10.0	0.100	0.500	1.00	2.50
Perfluoro-n-hexadecanoic acid (PFHxDA)		L1ID	52583 7724125	98813	429383	890409	1990402	0.0500 10.0	0.100	0.500	1.00	2.50
Perfluoro-n-octadecanoic acid (PFODA)		AveID	30589 5256805	64267	304377	621162	1396187	0.0500 10.0	0.100	0.500	1.00	2.50
13C4 PFBA	13PFOA	Ave	1801086 1806199	1889069	1792010	1990166	1857803	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.: 460-262897-1 Analy Batch No.: 182319

SDG No.:

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

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

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
13C5 PFPeA	13PF OA	Ave	1457461 1356802	1467520	1422776	1448057	1404065	1.25 1.25	1.25	1.25	1.25	1.25
13C3 PFBS	13PF OA	Ave	1518638 1451388	1552604	1530333	1606766	1554917	1.16 1.16	1.16	1.16	1.16	1.16
M2-4:2 FTS	13PF OA	Ave	128546 128662	135136	130321	139111	134930	1.17 1.17	1.17	1.17	1.17	1.17
13C2 PFHxA	13PF OA	Ave	1413508 1361444	1370007	1432991	1545822	1429283	1.25 1.25	1.25	1.25	1.25	1.25
13C3 HFPO-DA	13PF OA	Ave	258219 271626	270250	255203	284467	269301	1.25 1.25	1.25	1.25	1.25	1.25
18O2 PFHxS	13PF OA	Ave	1066162 1101269	1056649	1070938	1199930	1100091	1.18 1.18	1.18	1.18	1.18	1.18
13C4 PFHpA	13PF OA	Ave	1452765 1400879	1436597	1532788	1584230	1462731	1.25 1.25	1.25	1.25	1.25	1.25
M2-6:2 FTS	13PF OA	Ave	190476 177168	181082	174667	203094	182060	1.19 1.19	1.19	1.19	1.19	1.19
13C4 PFOA	13PF OA	Ave	1484438 1483901	1549546	1470428	1613787	1484954	1.25 1.25	1.25	1.25	1.25	1.25
13C4 PFOS	13PF OA	Ave	814976 821046	840757	804391	867294	824732	1.20 1.20	1.20	1.20	1.20	1.20
13C5 PFNA	13PF OA	Ave	1565872 1487561	1602191	1491888	1743026	1550788	1.25 1.25	1.25	1.25	1.25	1.25
13C2 PFDA	13PF OA	Ave	1472294 1479189	1591995	1496707	1674653	1471206	1.25 1.25	1.25	1.25	1.25	1.25

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

Lab Name: Eurofins Burlington Job No.: 460-262897-1 Analy Batch No.: 182319

SDG No.:

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

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

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
M2-8:2 FTS	13PF OA	Ave	230513 221709	221797	212018	240555	217682	1.20 1.20	1.20	1.20	1.20	1.20
13C8 FOSA	13PF OA	Ave	1351035 1290314	1346274	1341161	1386621	1316398	1.25 1.25	1.25	1.25	1.25	1.25
d3-NMeFOSAA	13PF OA	Ave	199141 208390	200758	194324	222702	205583	1.25 1.25	1.25	1.25	1.25	1.25
13C2 PFUnA	13PF OA	Ave	1125897 1097436	1204305	1177558	1185895	1162923	1.25 1.25	1.25	1.25	1.25	1.25
d5-NEtFOSAA	13PF OA	Ave	194163 183559	191350	194014	206475	195385	1.25 1.25	1.25	1.25	1.25	1.25
13C2 PFDoA	13PF OA	Ave	1154380 1209177	1231772	1166932	1247905	1195679	1.25 1.25	1.25	1.25	1.25	1.25
13C2 PFTeDA	13PF OA	Ave	964763 949490	974562	969884	1055713	979883	1.25 1.25	1.25	1.25	1.25	1.25
13C2 PFHxDA	13PF OA	Ave	1128787 1080090	1136259	1043688	1201939	1123333	1.25 1.25	1.25	1.25	1.25	1.25

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

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 03-Aug-2022 13:00:16 ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 200-0051940-005 Plate: 1 Rack: 1
Operator ID: lc812tech Instrument ID: LC812
Sublist: chrom-PFC_LC812*sub3

Method: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 03-Aug-2022 14:24:59 Calib Date: 03-Aug-2022 13:41:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1672

First Level Reviewer: Z1IP Date: 03-Aug-2022 13:19:34
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										M
217.00 > 172.00	2.078	2.085	-0.007	0.597	1801086	1.26		100	7731	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.086	2.085	0.001	1.004	79209	0.0567		113	10.2	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.391	2.400	-0.009	0.687	1457461	1.32		106	3267	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.405	2.400	0.005	1.006	65556	0.0545		109	2.6	M
D 47 13C3 PFBS										
301.90 > 80.00	2.418	2.413	0.005	0.695	1518638	1.19		102	230606	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.418	2.413	0.005	1.000	69137	0.0479	Target=2.18	108	82.0	M
298.90 > 99.00	2.418	2.413	0.005	1.000	30532		2.26(1.09-3.28)	108	28.0	
D 60 M2-4:2 FTS										
329.00 > 81.00	2.709	2.713	-0.004	0.779	128546	1.17		100	129	
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.721	2.713	0.008	1.004	12287	0.0470		101	186	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.757	2.750	0.007	1.004	61860	0.0524	Target=12.37	105	15.3	M
313.00 > 119.00	2.757	2.750	0.007	1.004	6757		9.15(6.19-18.56)	105	12.2	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.745	2.750	-0.005	0.789	1413508	1.28		103	3566	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.757	2.762	-0.005	0.885	58374	0.0499	Target=3.00	106	119	M
349.00 > 99.00	2.757	2.762	-0.005	0.885	18394		3.17(1.50-4.50)	106	47.8	M
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.867	2.859	0.008	0.824	258219	1.25		99.7	1682	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.867	2.859	0.008	1.000	13087	0.0590		118	132	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.128	3.121	0.007	0.899	1452765	1.27		102	2063	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.128	3.121	0.007	1.000	65633	0.0548	Target=3.68	110	22.4	M
363.00 > 169.00	3.117	3.121	-0.005	0.996	19194		3.42(1.84-5.52)	110	44.6	M
D 11 18O2 PFHxS										M
403.00 > 84.00	3.117	3.121	-0.005	0.896	1066162	1.19		100	1745	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.117	3.121	-0.005	1.000	51891	0.0522	Target=3.52	115	172	M
399.00 > 99.00	3.117	3.121	-0.005	1.000	15155		3.42(1.76-5.27)	115	21.9	M
77 DONA										M
377.00 > 251.00	3.161	3.165	-0.004	0.832	144834	0.0516	Target=2.78	109	296	M
377.00 > 85.00	3.161	3.165	-0.004	0.832	51045		2.84(1.39-4.17)	109	84.5	M
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.471	3.474	-0.003	0.997	190476	1.27		107	388	M
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.471	3.474	-0.003	1.000	13823	0.0423		89.3	48.7	
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.471	3.474	-0.003	0.914	45233	0.0537	Target=4.99	113	228	
449.00 > 99.00	3.471	3.474	-0.003	0.914	7774		5.82(2.50-7.49)	113	46.7	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.479	3.482	-0.003	1.000	77847	0.0585	Target=2.64	117	10.3	
413.00 > 169.00	3.479	3.482	-0.003	1.000	31052		2.51(1.32-3.96)	117	75.3	M
D 14 13C4 PFOA										M
417.00 > 372.00	3.479	3.482	-0.003	1.000	1484438	1.27		101	1596	M
* 62 13C2 PFOA										M
415.00 > 370.00	3.479	3.482	-0.003		1535975	1.25			1908	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.799	3.802	-0.003	1.000	44505	0.0471	Target=4.77	102	27.2	M
499.00 > 99.00	3.799	3.802	-0.003	1.000	8724		5.10(2.38-7.15)	102	34.5	M
D 18 13C4 PFOS										
503.00 > 80.00	3.799	3.802	-0.003	1.092	814976	1.22		102	3178	
20 Perfluorononanoic acid										M
463.00 > 419.00	3.819	3.822	-0.003	1.000	71691	0.0562	Target=7.92	112	27.7	
463.00 > 169.00	3.819	3.822	-0.003	1.000	8957		8.00(3.96-11.88)	112	106	M
D 19 13C5 PFNA										
468.00 > 423.00	3.819	3.822	-0.003	1.098	1565872	1.29		103	2443	
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.968	3.969	-0.001	1.045	59438	0.0493		106	384	M
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.104	4.093	0.011	1.080	27309	0.0511	Target=2.52	107	349	
549.00 > 99.00	4.104	4.093	0.011	1.080	10843		2.52(1.26-3.78)	107	81.2	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.138	4.127	0.011	1.000	9196	0.0495		103	154	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.126	4.127	-0.001	1.000	66374	0.0536	Target=9.74	107	50.2	M
513.00 > 169.00	4.126	4.127	-0.001	1.000	5921		11.21(4.87-14.60)	107	27.6	
D 23 13C2 PFDA										M
515.00 > 470.00	4.126	4.127	-0.001	1.186	1472294	1.24		99.6	1098	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.138	4.138	0.0	1.189	230513	1.28		106	1064	
D 21 13C8 FOSA										M
506.00 > 78.00	4.172	4.173	-0.001	1.199	1351035	1.31		104	2009	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.184	4.173	0.011	1.003	54175	0.0492		98.4	245	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.273	4.273	0.0	1.000	6986	0.0494		98.8	26.0	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.273	4.273	0.0	1.228	199141	1.26		101	1135	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.375	4.365	0.010	1.152	18501	0.0466	Target=2.62	96.6	170	M
599.00 > 99.00	4.364	4.365	-0.001	1.149	7794		2.37(1.31-3.93)	96.6	95.5	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.398	4.399	-0.001	1.264	1125897	1.26		101	1115	M
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.398	4.399	-0.001	1.000	52491	0.0550	Target=8.83	110	49.5	M
563.00 > 169.00	4.398	4.399	-0.001	1.000	5695		9.22(4.41-13.24)	110	73.1	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.409	4.410	-0.001	1.000	7270	0.0516		103	80.8	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.409	4.410	-0.001	1.267	194163	1.29		104	918	
66 11-Chloroeicosafluoro-3-oxaundec										M
631.00 > 451.00	4.503	4.491	0.012	1.185	77476	0.0494		105	387	M
D 36 13C2 PFDoA										M
615.00 > 570.00	4.632	4.633	-0.001	1.331	1154380	1.24		99.5	902	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.632	4.633	-0.001	1.000	50149	0.0535	Target=6.63	107	9.0	M
613.00 > 169.00	4.632	4.633	-0.001	1.000	7314		6.86(3.32-9.95)	107	56.8	
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.653	4.654	-0.001	1.125	4172	0.0480		99.7	163	
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.812	4.813	-0.001	1.267	9196	0.0521	Target=0.54	108	159	
699.00 > 99.00	4.812	4.813	-0.001	1.267	18022		0.51(0.27-0.81)	108	268	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.858	4.859	-0.001	1.049	44332	0.0546	Target=4.62	109	8.6	M
663.00 > 169.00	4.858	4.859	-0.001	1.049	8523		5.20(2.31-6.94)	109	93.5	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.051	5.052	-0.001	1.452	964763	1.27		102	1373	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.051	5.052	-0.001	1.000	6696	0.0542	Target=0.94	108	69.6	M
713.00 > 219.00	5.051	5.052	-0.001	1.000	7362		0.91(0.47-1.41)	108	76.1	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.421	5.422	-0.001	1.000	52583	0.0444	Target=4.40	88.7	14.1	
813.00 > 169.00	5.421	5.422	-0.001	1.000	11856		4.44(2.20-6.59)	88.7	97.5	M
D 44 13C2 PFHxDA										M
815.00 > 770.00	5.421	5.422	-0.001	1.558	1128787	1.31		104	2389	M
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.776	5.786	-0.010	1.065	30589	0.0509	Target=4.42	102	10.2	M
913.00 > 169.00	5.776	5.786	-0.010	1.065	6782		4.51(2.21-6.63)	102	57.6	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

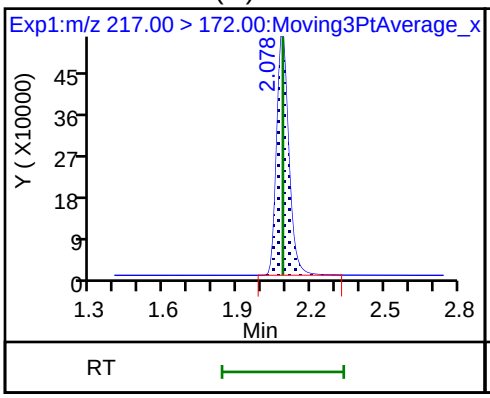
PFAS32NCIC1_00013 Amount Added: 100.00 Units: uL

Report Date: 03-Aug-2022 14:25:00 Chrom Revision: 2.3 29-Jul-2022 15:21:48

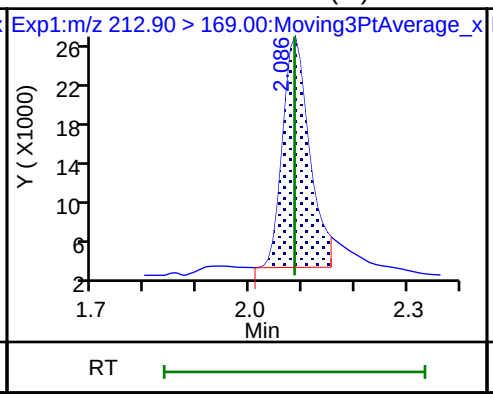
Eurofins Burlington

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

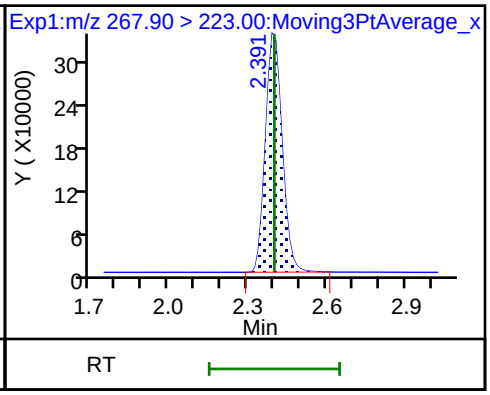
D 1 13C4 PFBA (M)



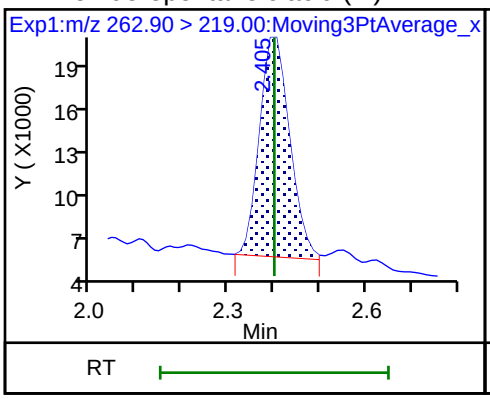
2 Perfluorobutanoic acid (M)



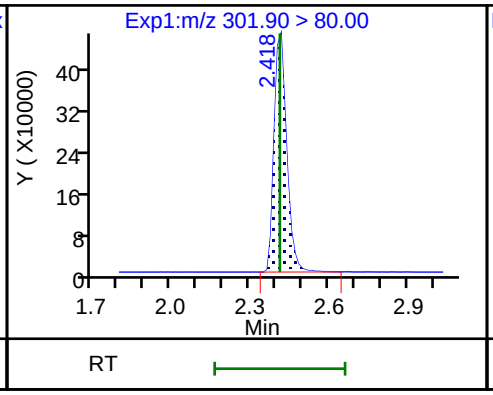
D 3 13C5 PFPeA



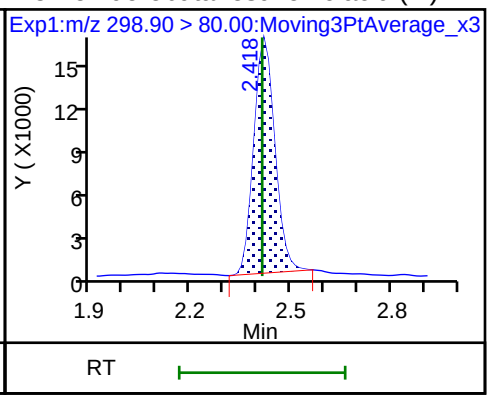
4 Perfluoropentanoic acid (M)



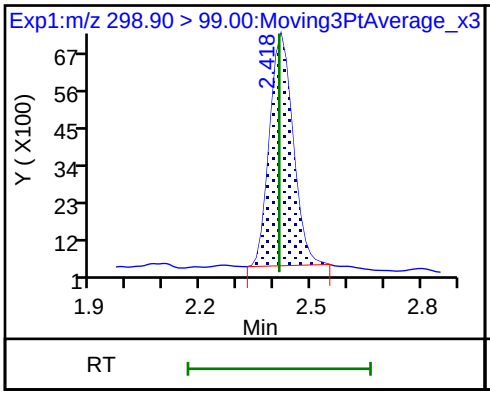
D 47 13C3 PFBS



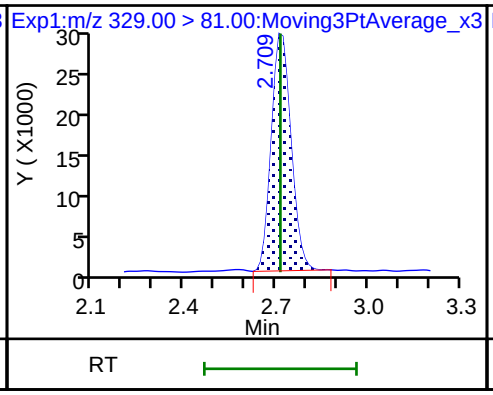
5 Perfluorobutanesulfonic acid (M)



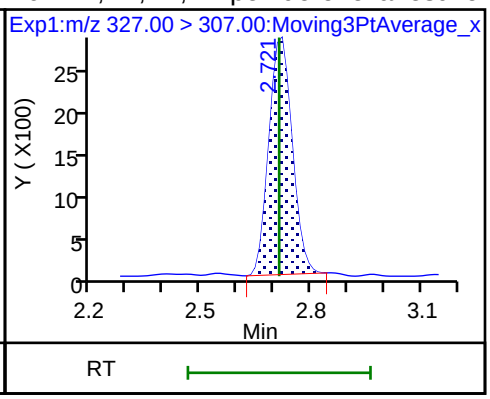
5 Perfluorobutanesulfonic acid



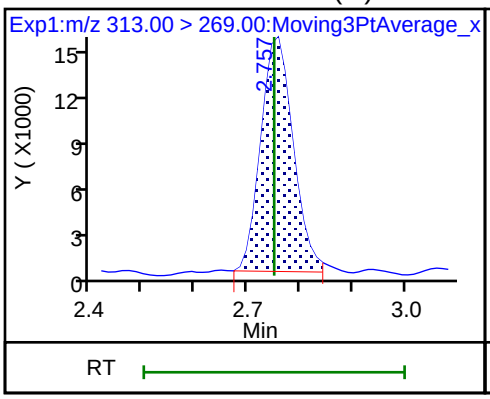
D 60 M2-4:2 FTS



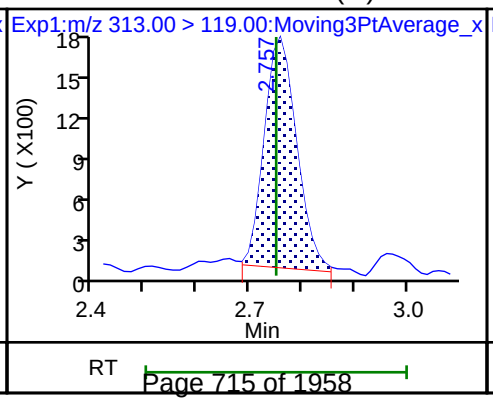
61 1H,1H,2H,2H-perfluorohexanesulfo



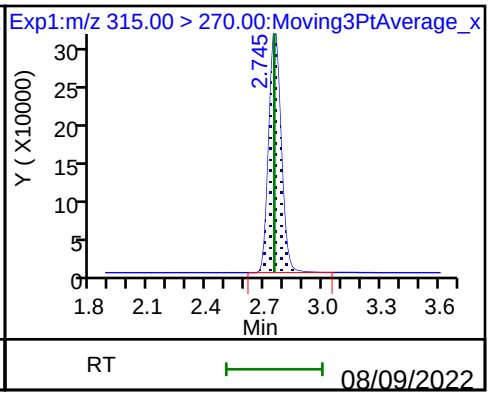
6 Perfluorohexanoic acid (M)



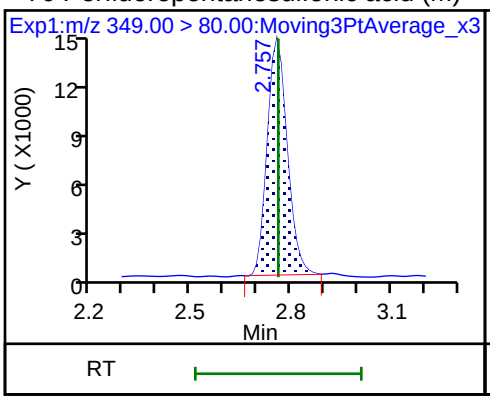
6 Perfluorohexanoic acid (M)



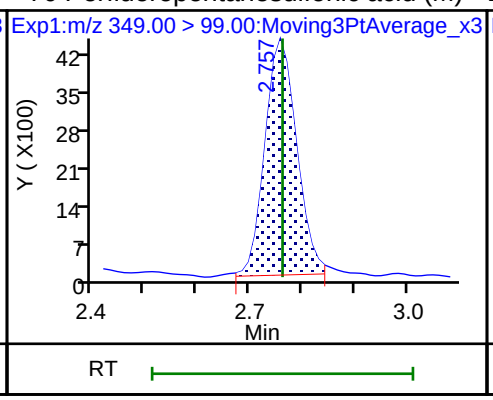
D 7 13C2 PFHxA



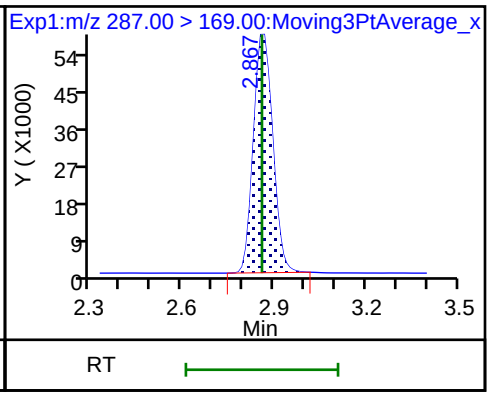
70 Perfluoropentanesulfonic acid (M)



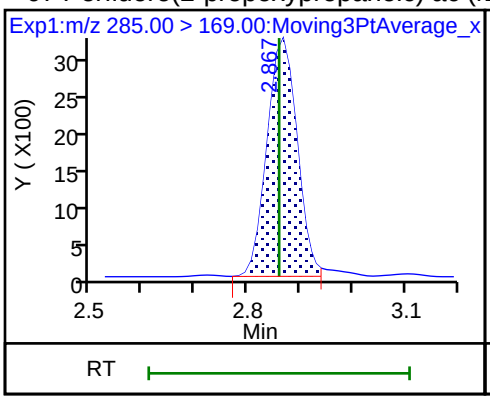
70 Perfluoropentanesulfonic acid (M)



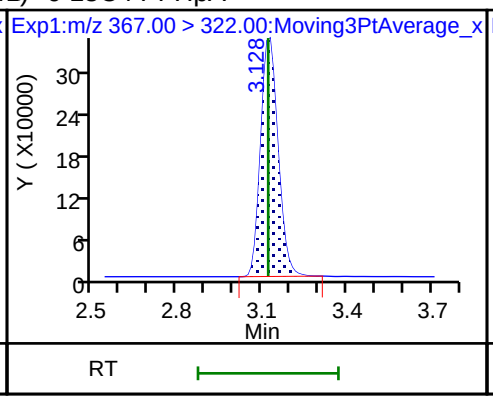
D 64 13C3 HFPO-DA



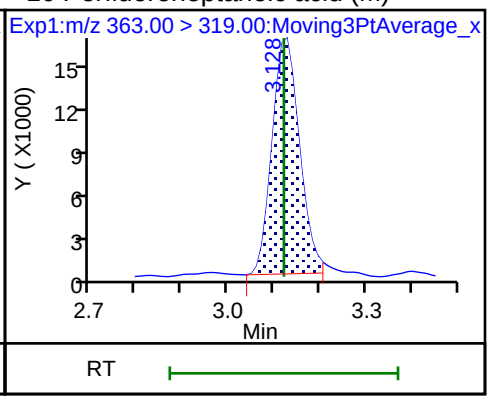
67 Perfluoro(2-propoxypropanoic) ac (M)



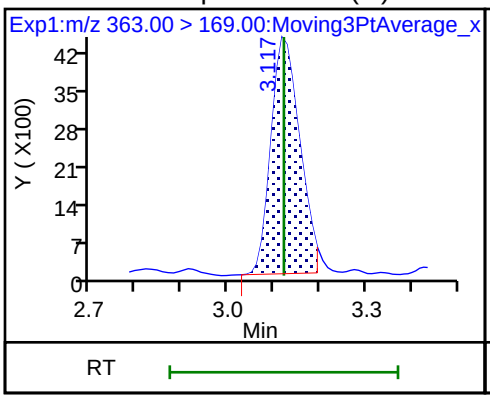
D 9 13C4 PFHpA



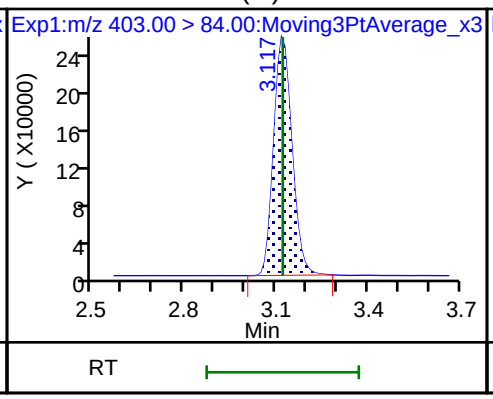
10 Perfluoroheptanoic acid (M)



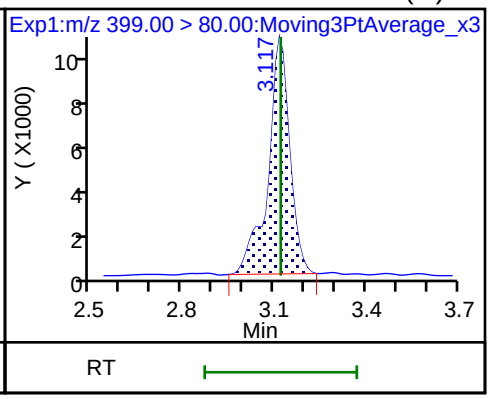
10 Perfluoroheptanoic acid (M)



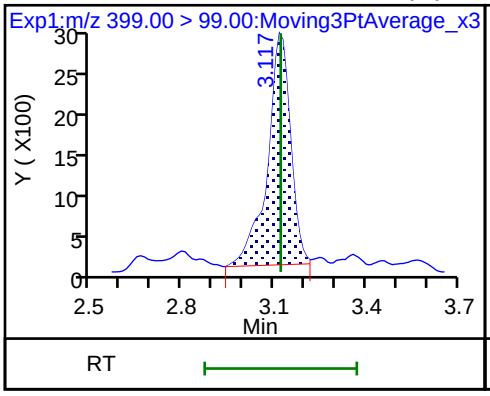
D 11 18O2 PFHxS (M)



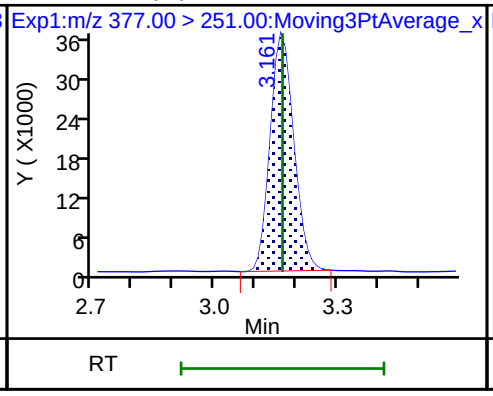
8 Perfluorohexanesulfonic acid (M)



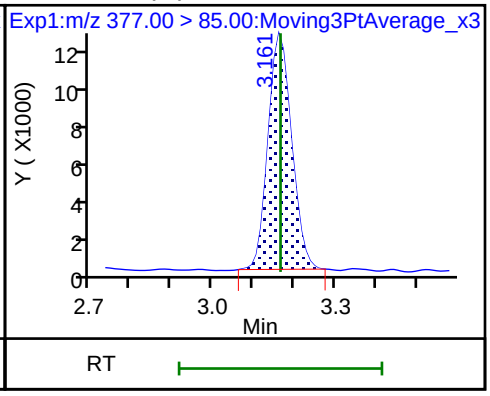
8 Perfluorohexanesulfonic acid (M)



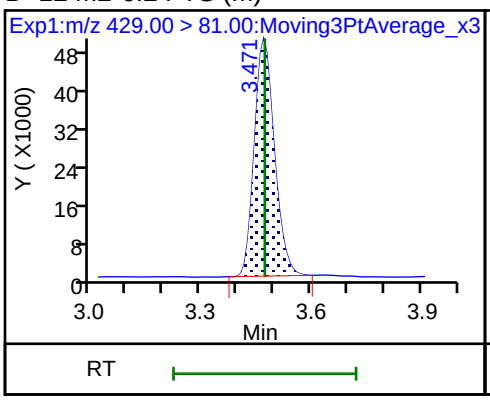
77 DONA (M)



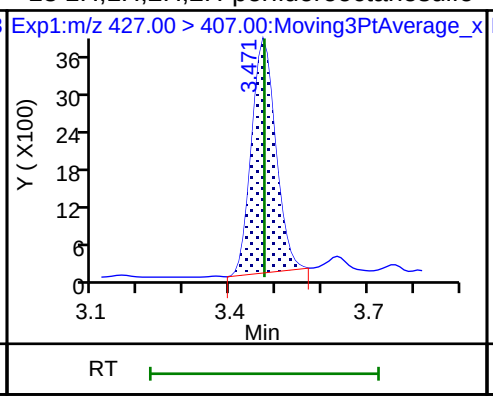
77 DONA (M)



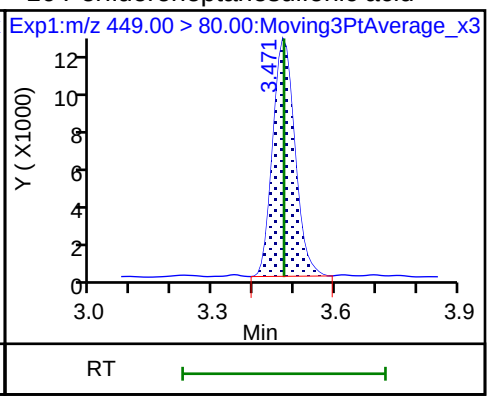
D 12 M2-6:2 FTS (M)



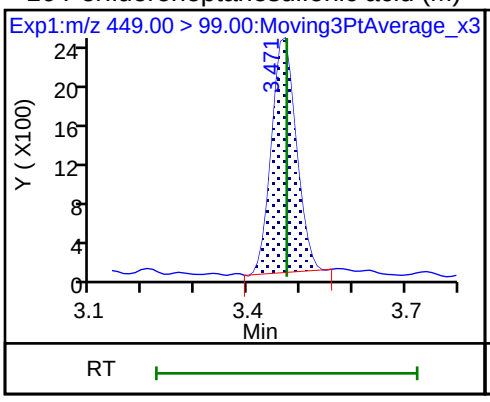
13 1H,1H,2H,2H-perfluorooctanesulfo



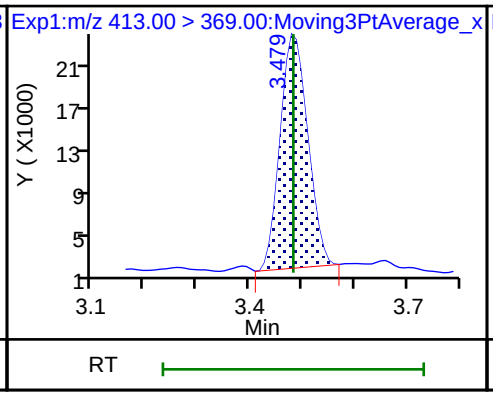
16 Perfluoroheptanesulfonic acid



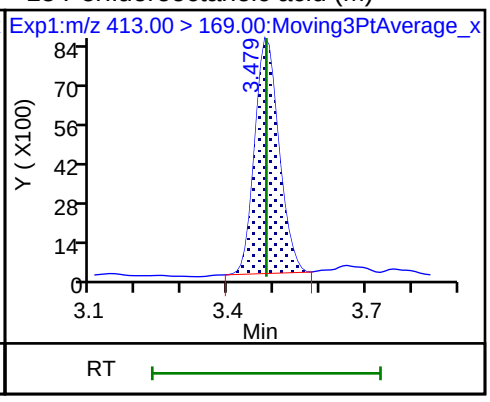
16 Perfluoroheptanesulfonic acid (M)



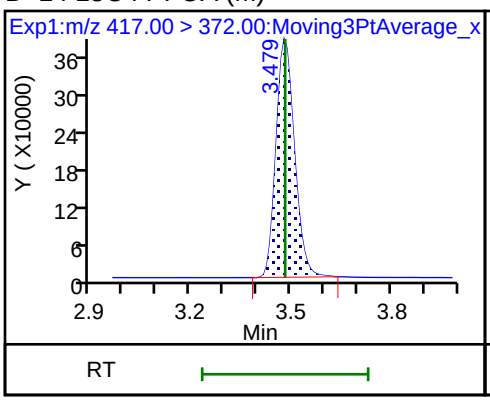
15 Perfluorooctanoic acid



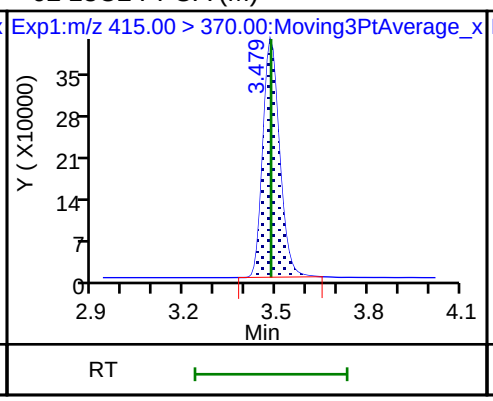
15 Perfluorooctanoic acid (M)



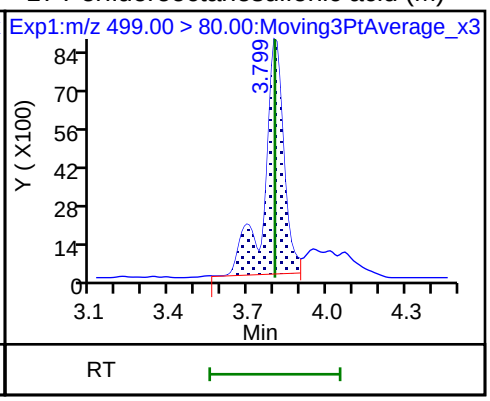
D 14 13C4 PFOA (M)



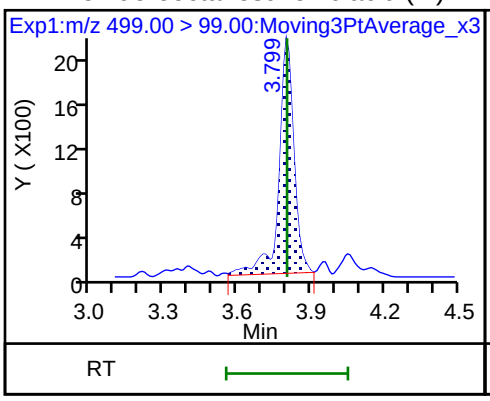
* 62 13C2 PFOA (M)



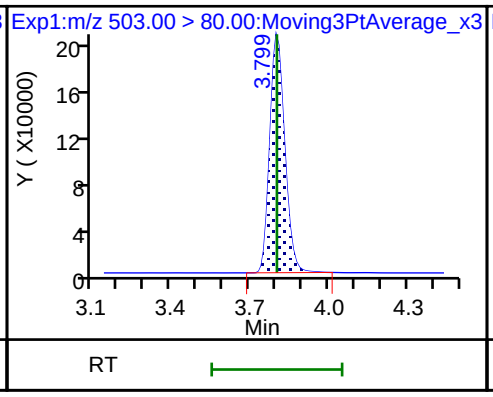
17 Perfluorooctanesulfonic acid (M)



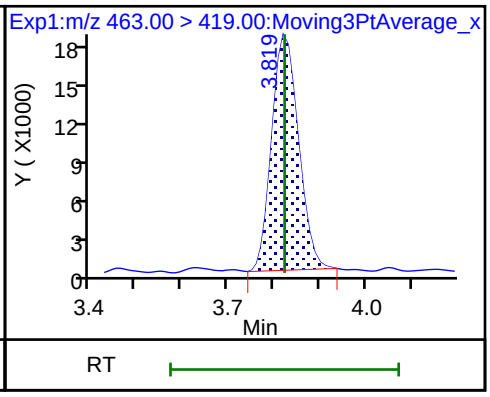
17 Perfluorooctanesulfonic acid (M)



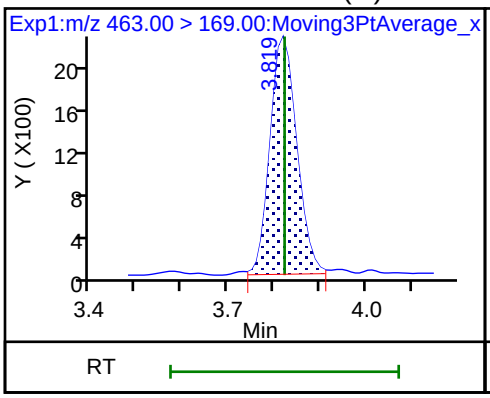
D 18 13C4 PFOS



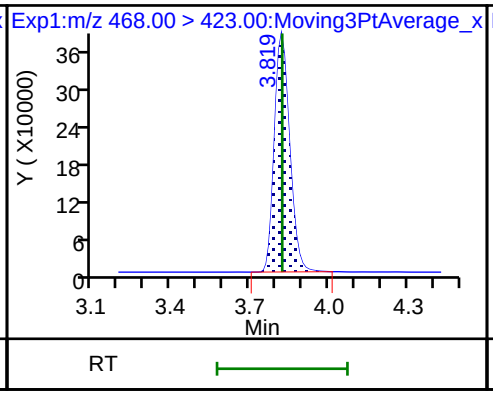
20 Perfluorononanoic acid



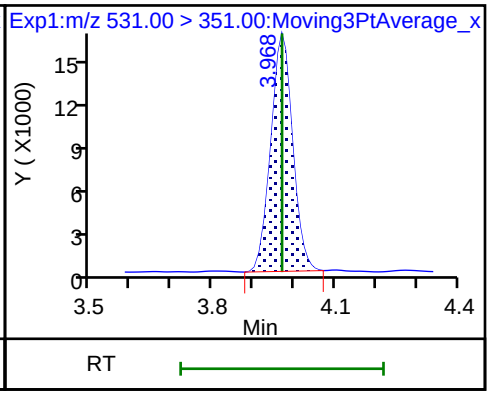
20 Perfluorononanoic acid (M)



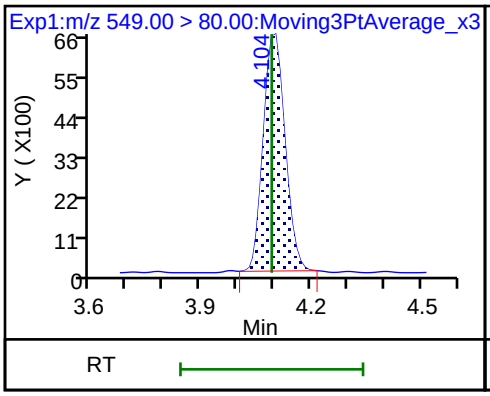
D 19 13C5 PFNA



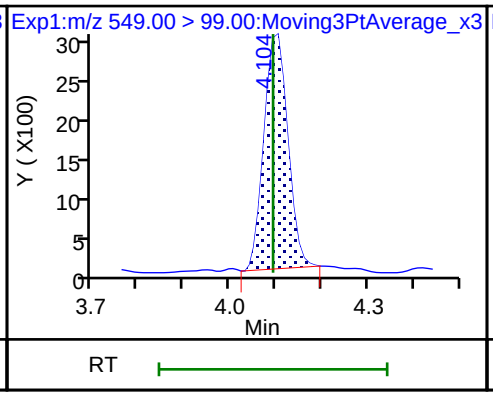
69 9-Chlorohexadecafluoro-3-oxanona (M)



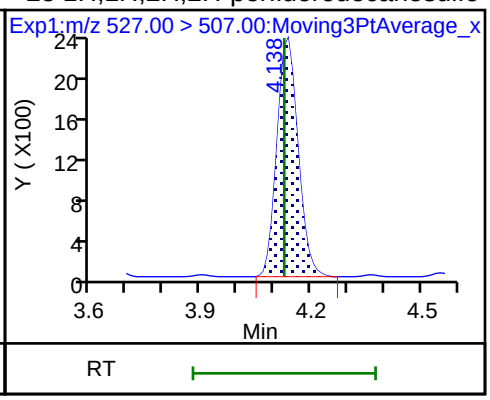
68 Perfluorononanesulfonic acid



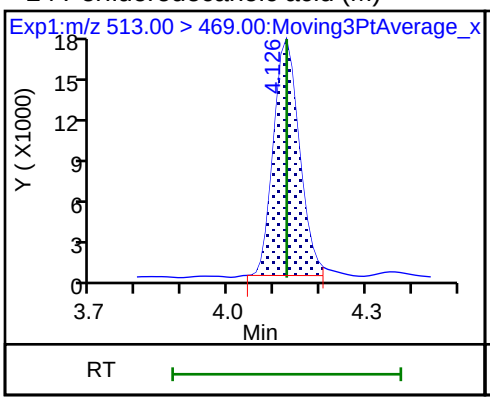
68 Perfluorononanesulfonic acid



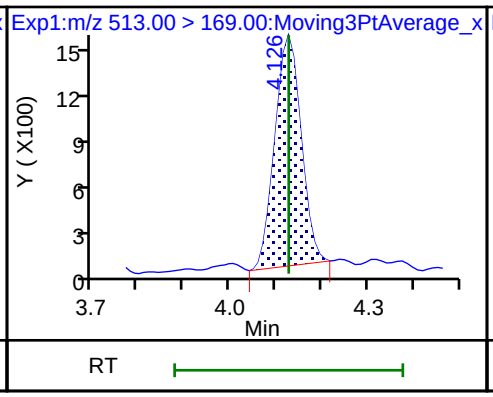
25 1H,1H,2H,2H-perfluorodecanesulfo



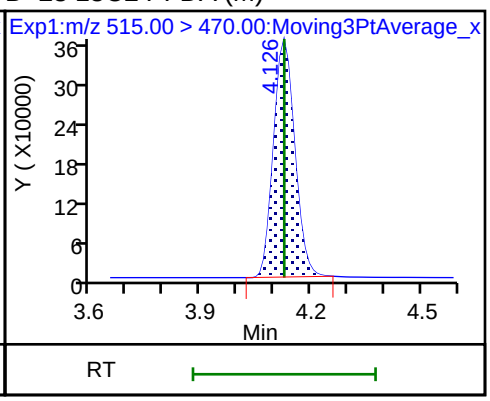
24 Perfluorodecanoic acid (M)



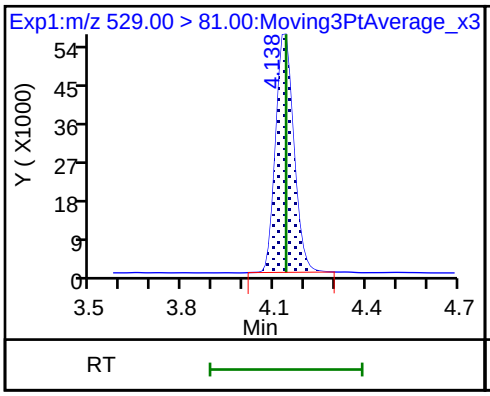
24 Perfluorodecanoic acid



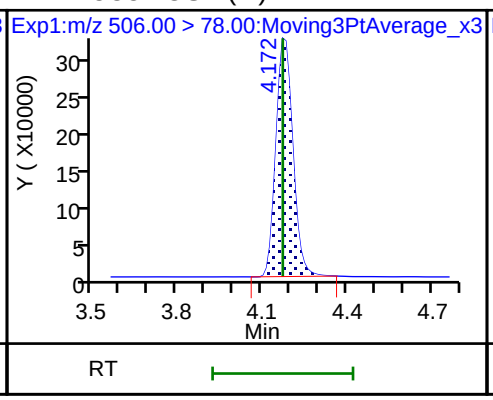
D 23 13C2 PFDA (M)



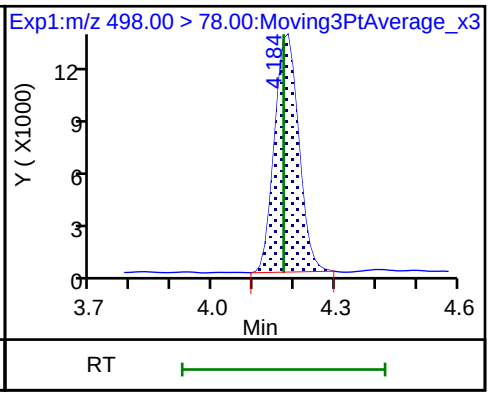
D 26 M2-8:2 FTS



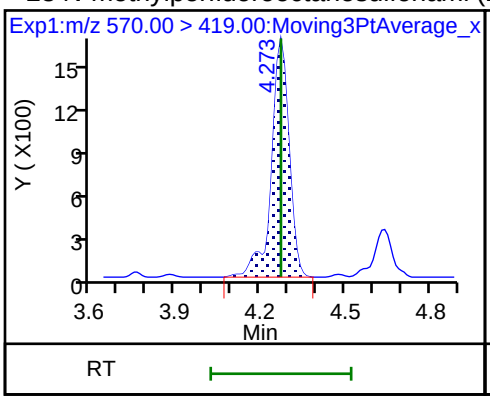
D 21 13C8 FOSA (M)



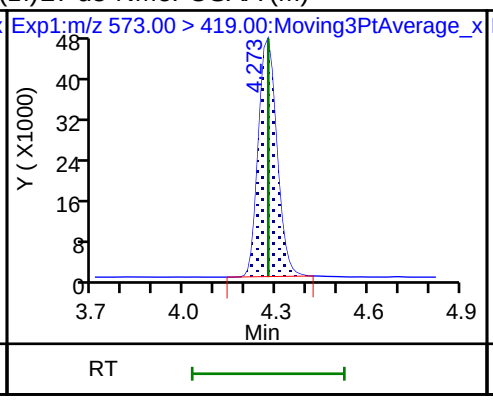
22 Perfluorooctanesulfonamide



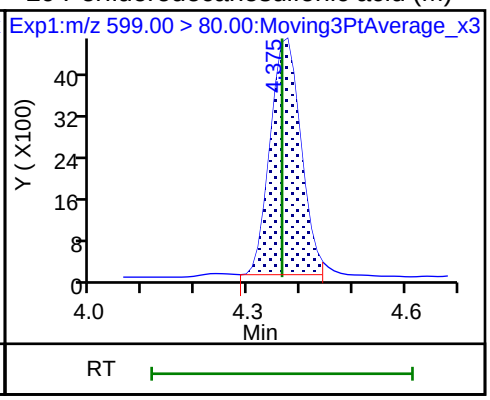
28 N-methylperfluorooctanesulfonami (M)



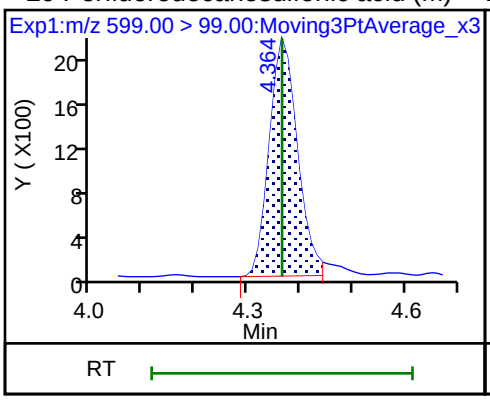
D 27 d3-NMeFOSAA (M)



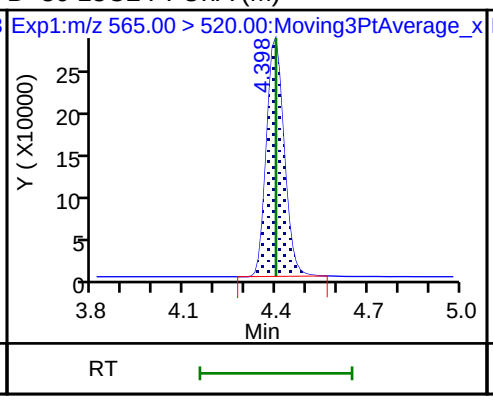
29 Perfluorodecanesulfonic acid (M)



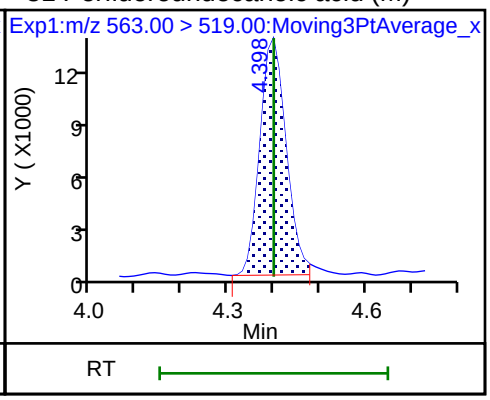
29 Perfluorodecanesulfonic acid (M)



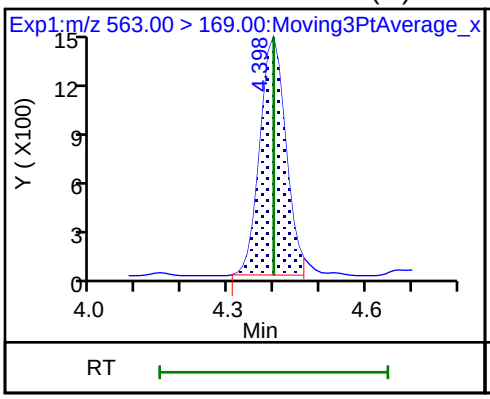
D 30 13C2 PFUnA (M)



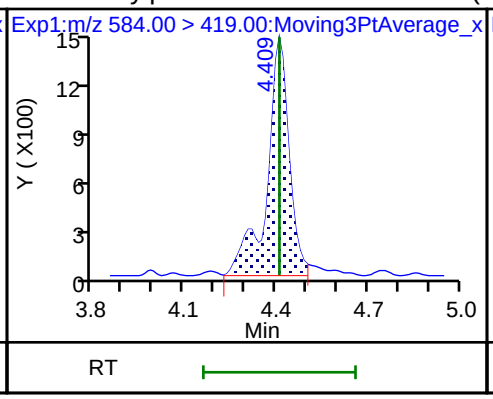
31 Perfluoroundecanoic acid (M)



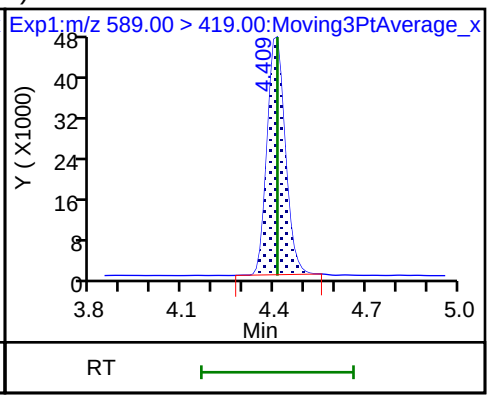
31 Perfluoroundecanoic acid (M)



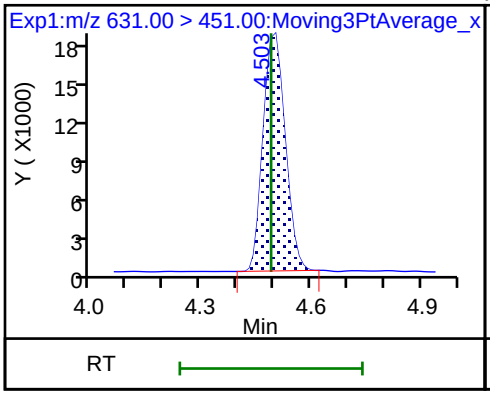
33 N-ethylperfluorooctanesulfonamid (M)



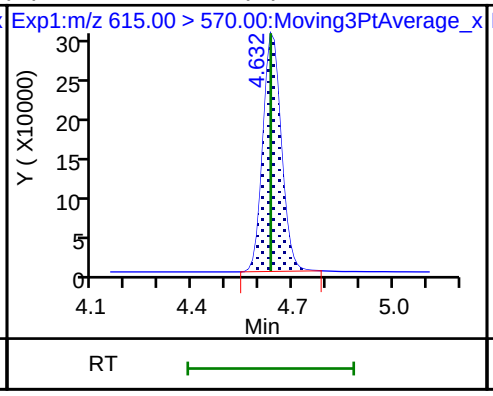
D 32 d5-NEtFOSAA



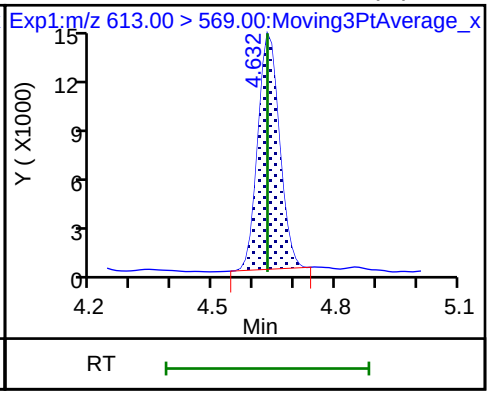
66 11-Chloroeicosafluoro-3-oxaundec (M)



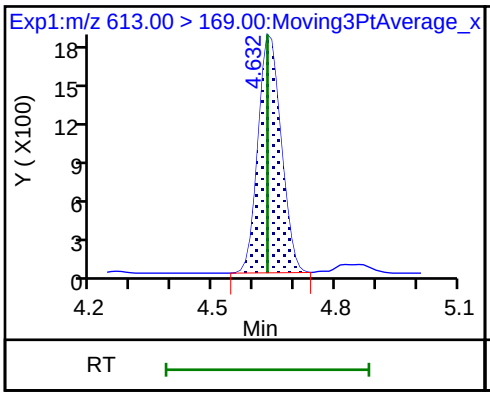
D 36 13C2 PFDoA (M)



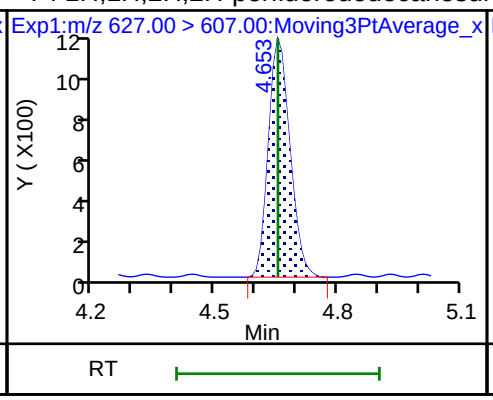
37 Perfluorododecanoic acid (M)



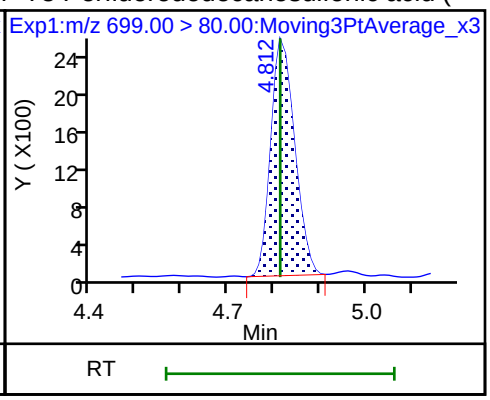
37 Perfluorododecanoic acid



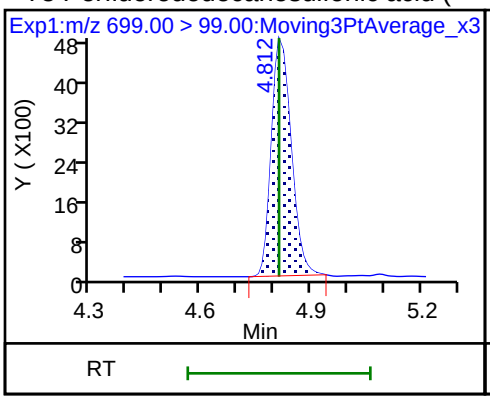
74 1H,1H,2H,2H-perfluorododecanesul



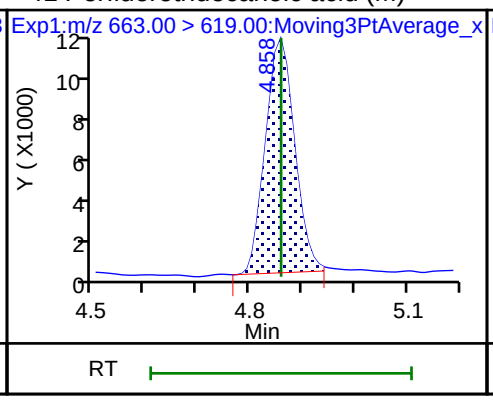
75 Perfluorododecanesulfonic acid (



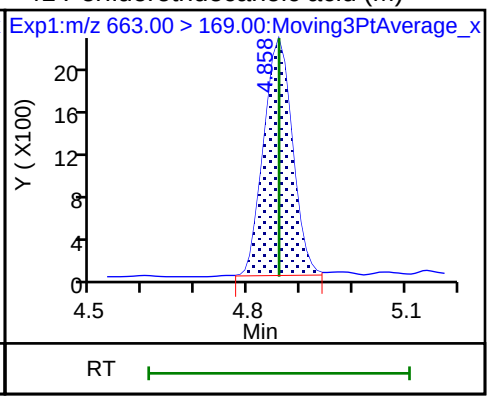
75 Perfluorododecanesulfonic acid (



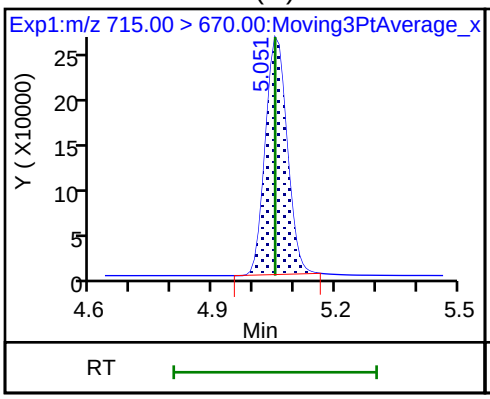
41 Perfluorotridecanoic acid (M)



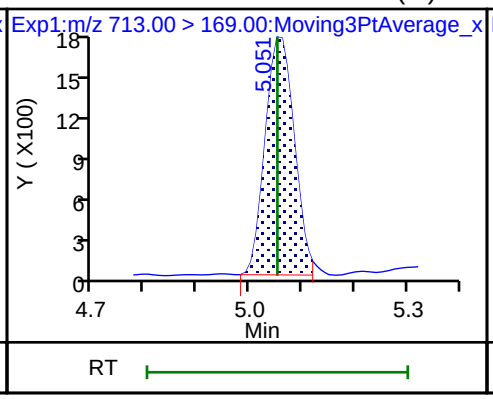
41 Perfluorotridecanoic acid (M)



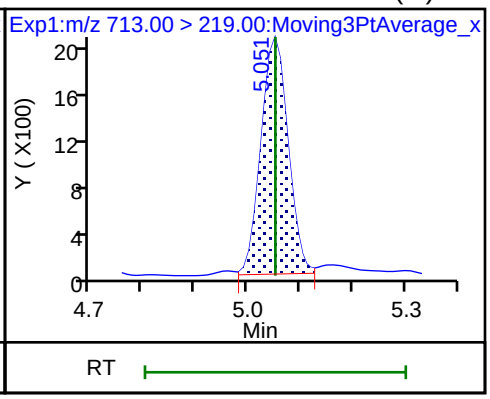
D 43 13C2 PFTeDA (M)



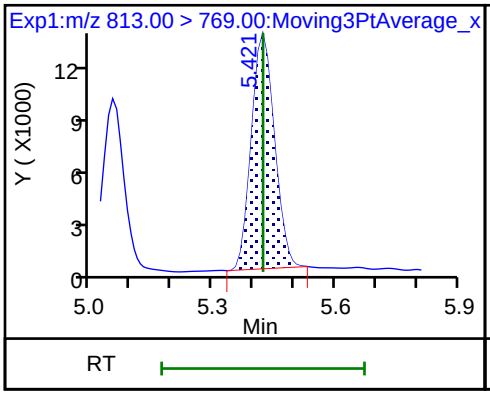
42 Perfluorotetradecanoic acid (M)



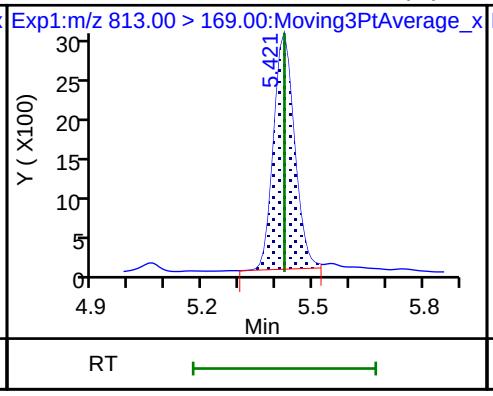
42 Perfluorotetradecanoic acid (M)



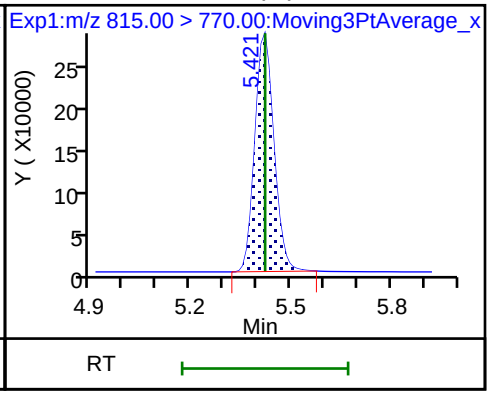
45 Perfluorohexadecanoic acid



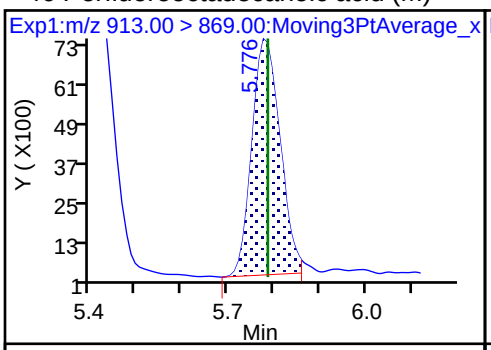
45 Perfluorohexadecanoic acid (M)



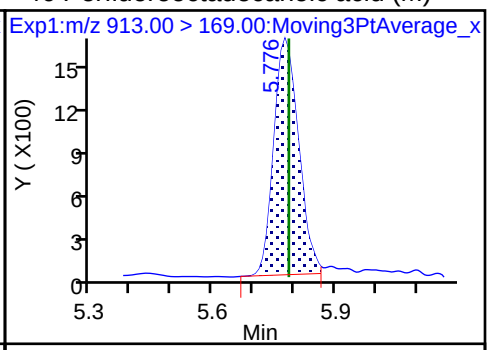
D 44 13C2 PFHxDA (M)



46 Perfluorooctadecanoic acid (M)



46 Perfluorooctadecanoic acid (M)



Manual Integration/User Assign Peak Report

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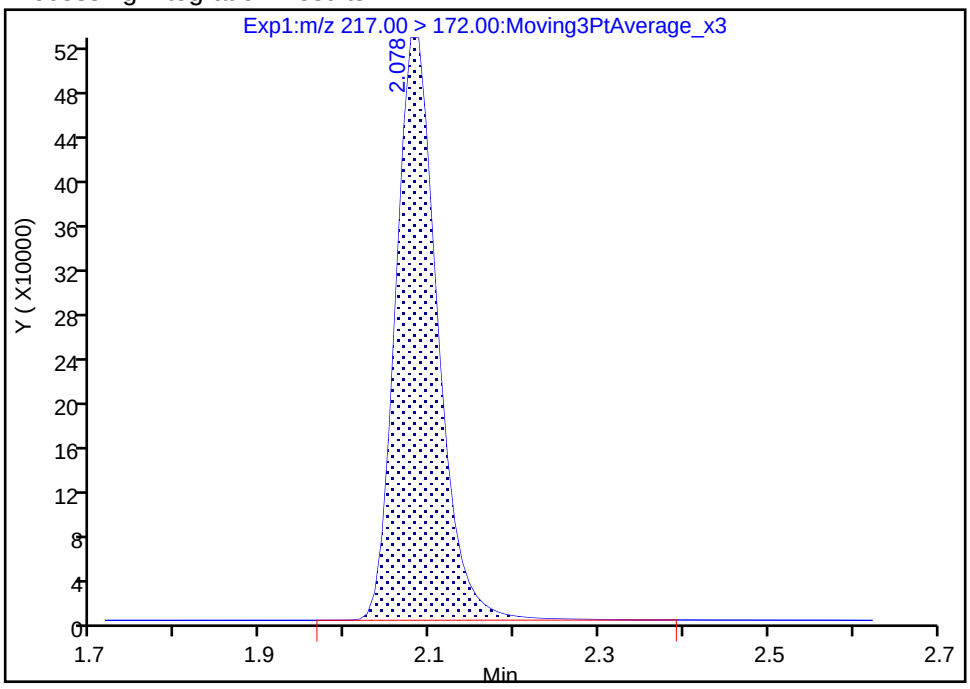
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d				
Injection Date:	03-Aug-2022 13:00:16	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

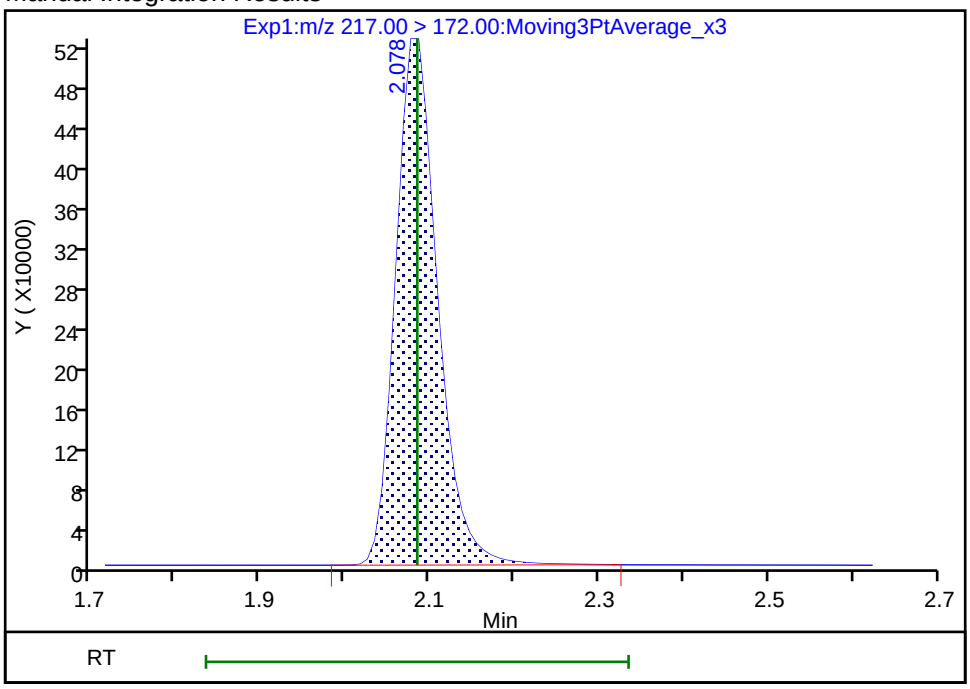
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:15:46

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

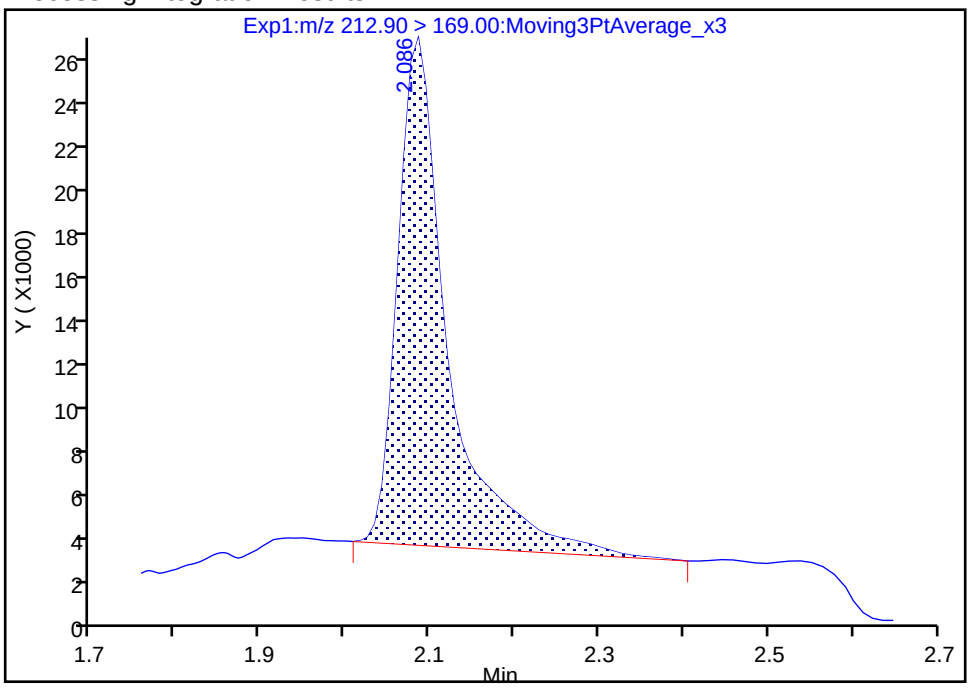
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Injection Date:	03-Aug-2022 13:00:16	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18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

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

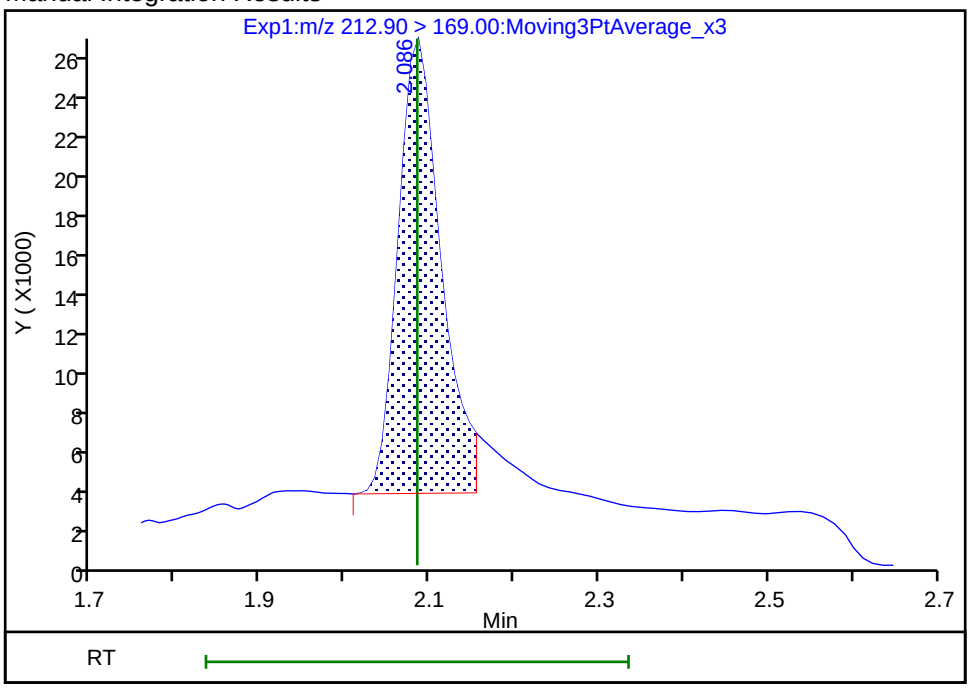
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

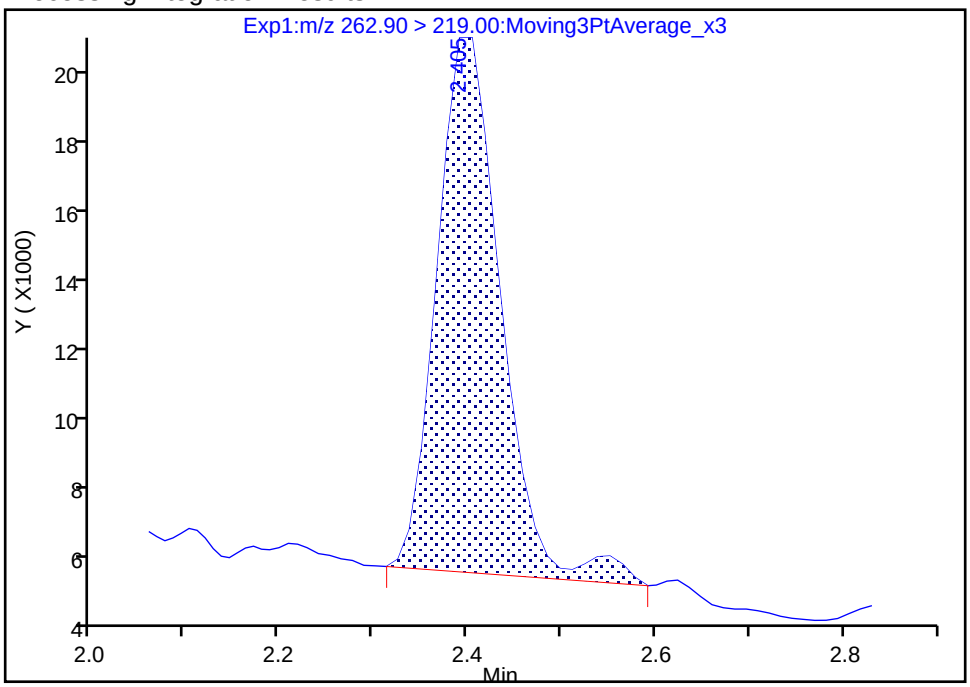
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

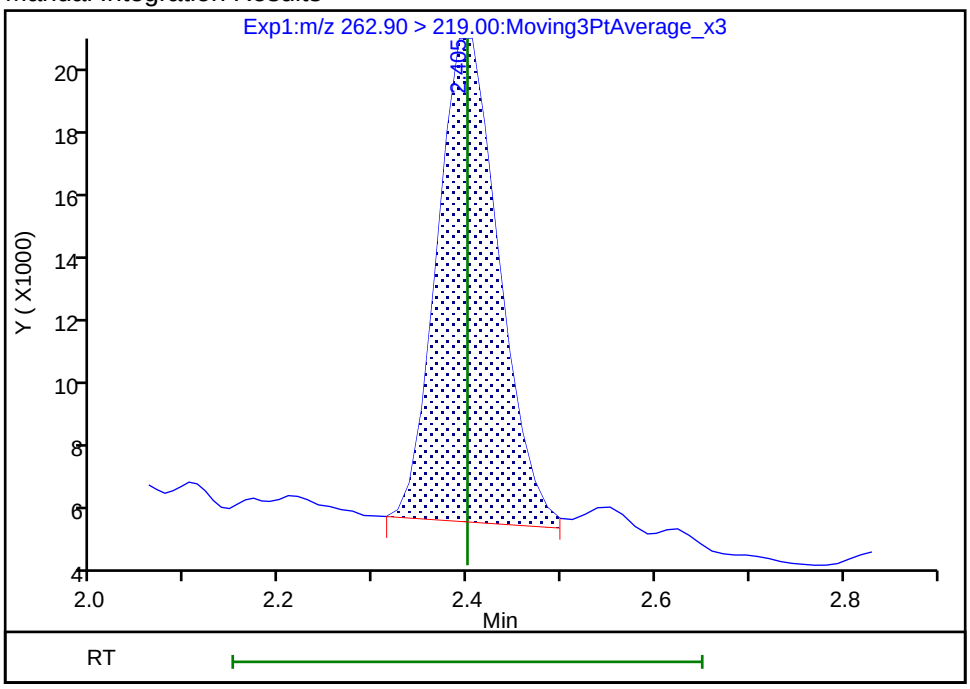
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

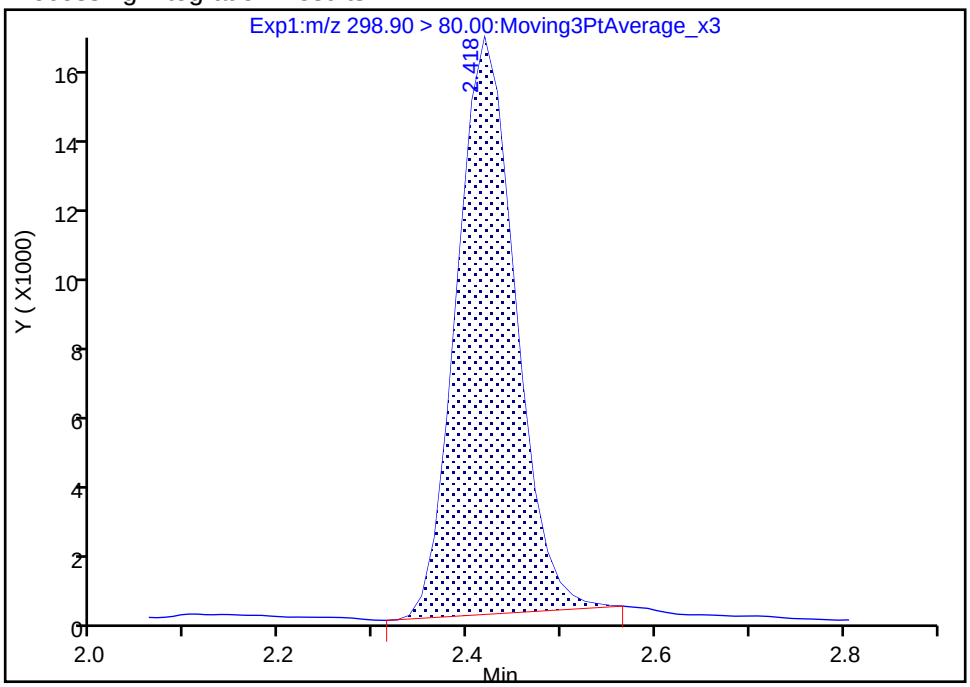
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

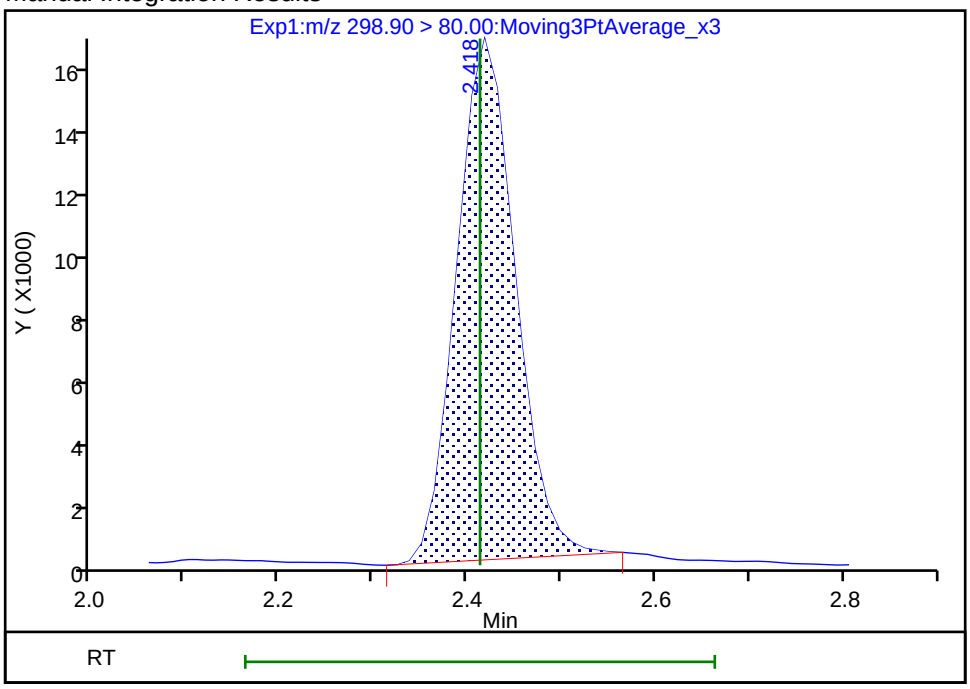
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

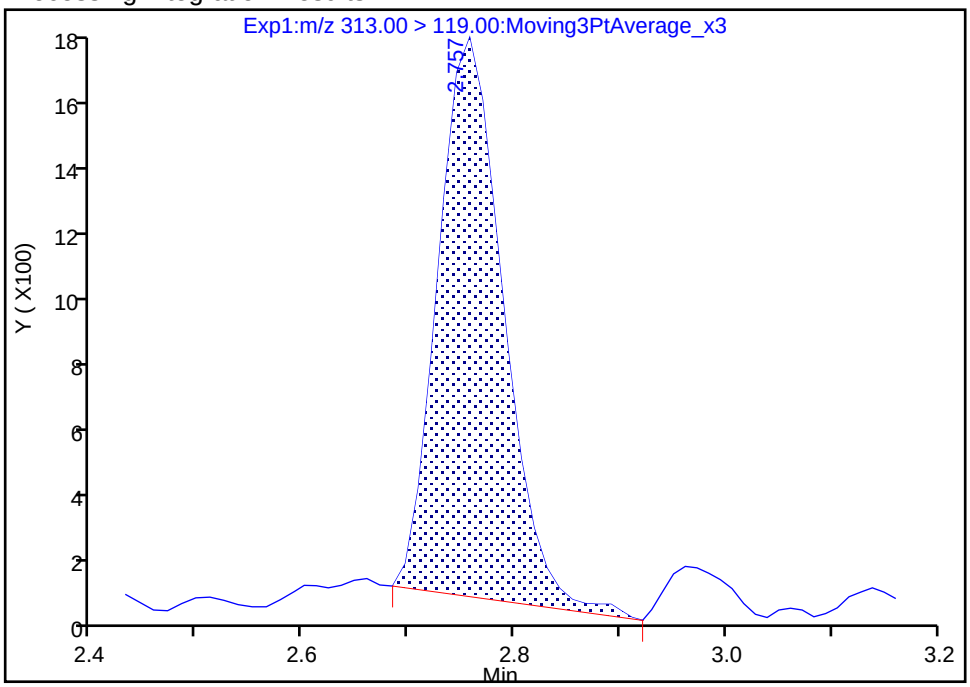
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

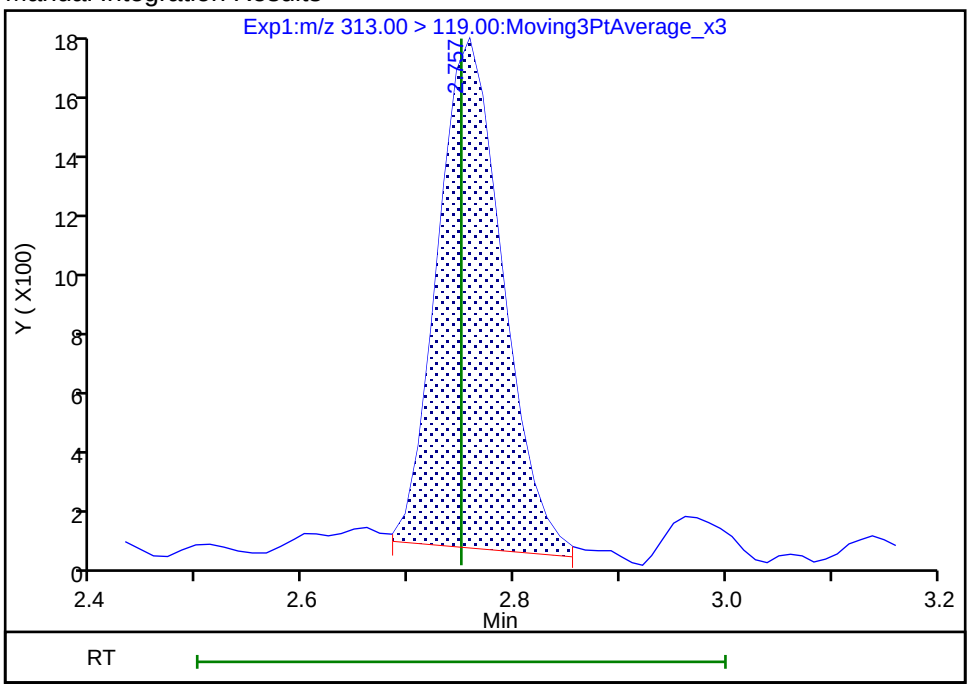
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

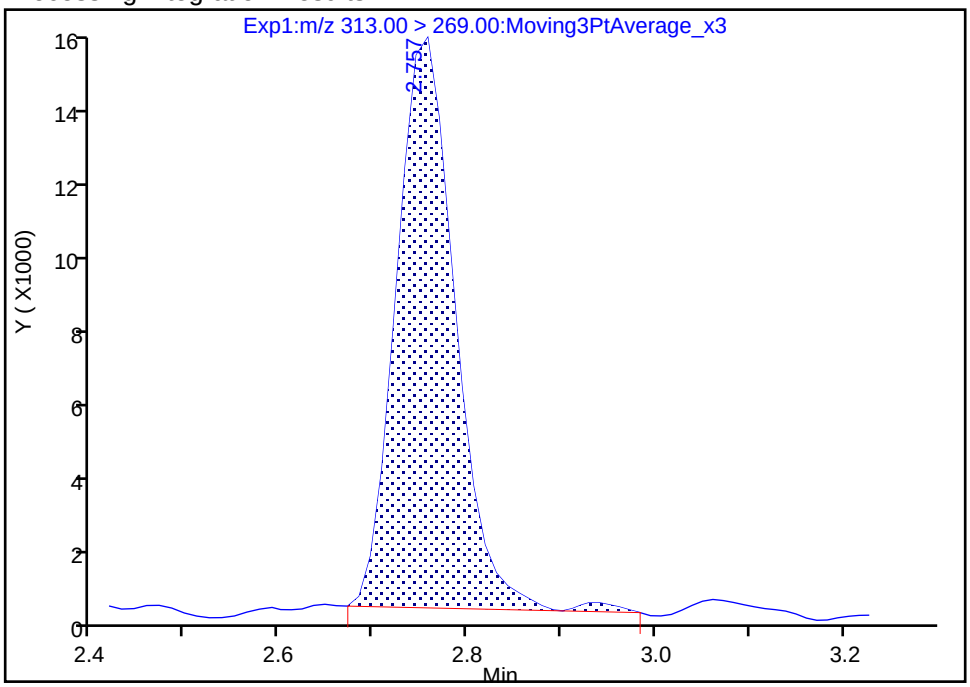
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

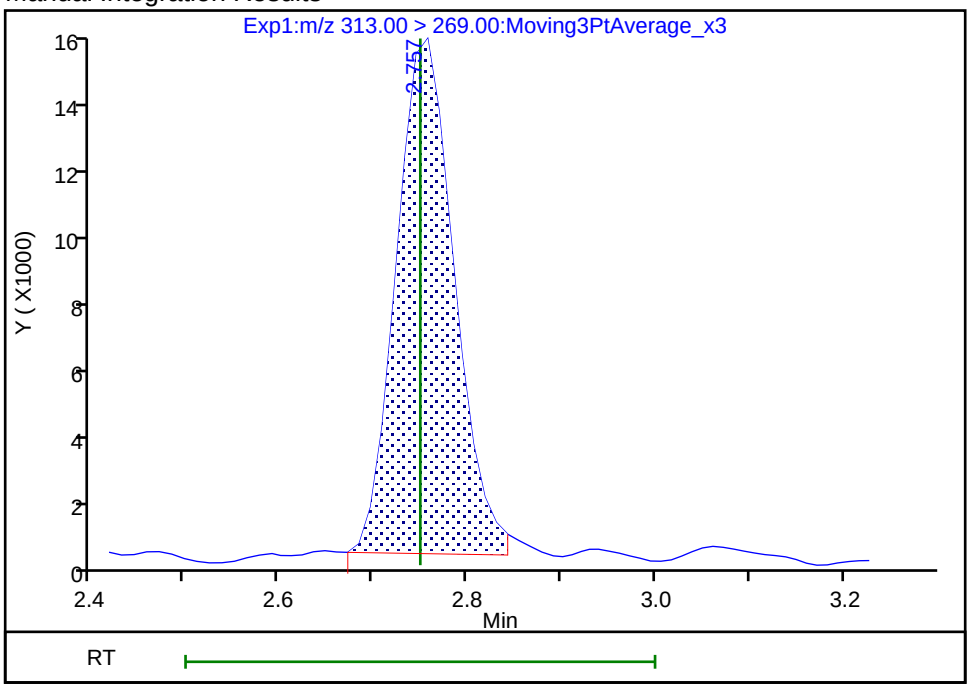
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:16:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

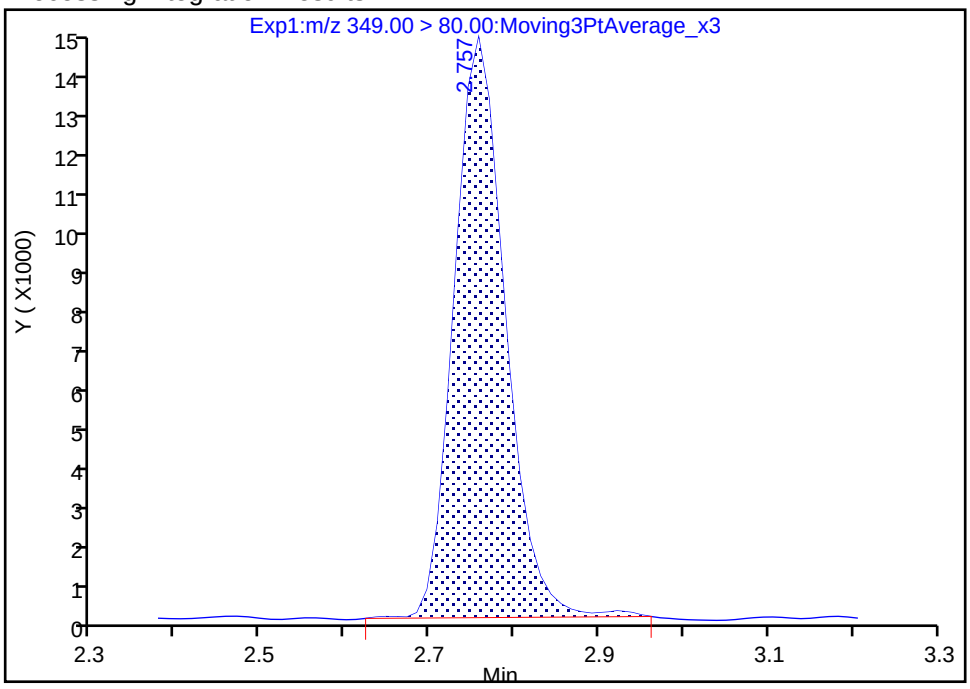
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

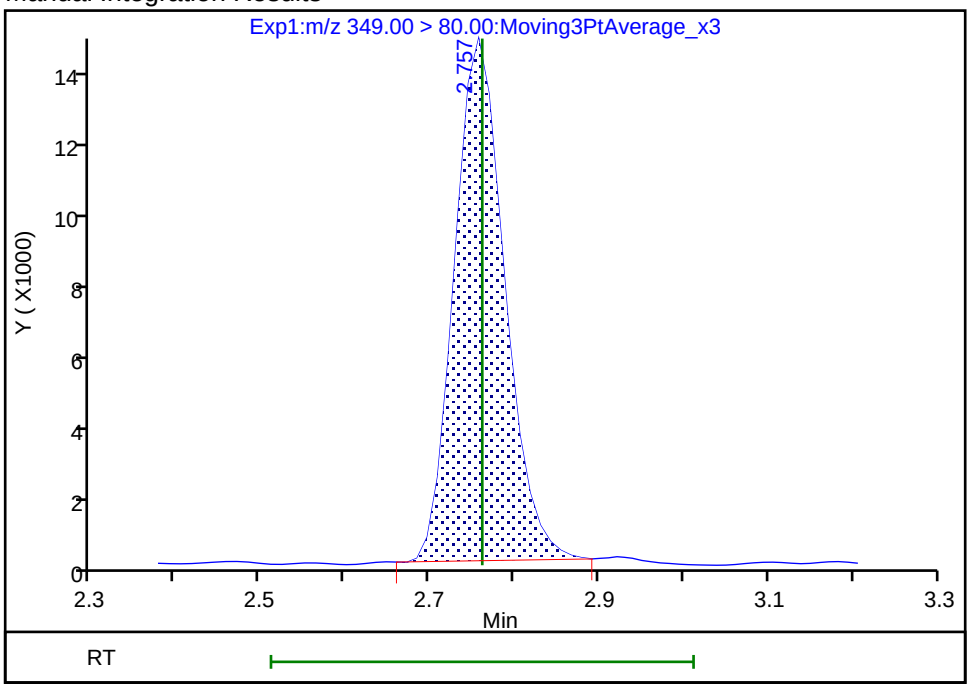
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

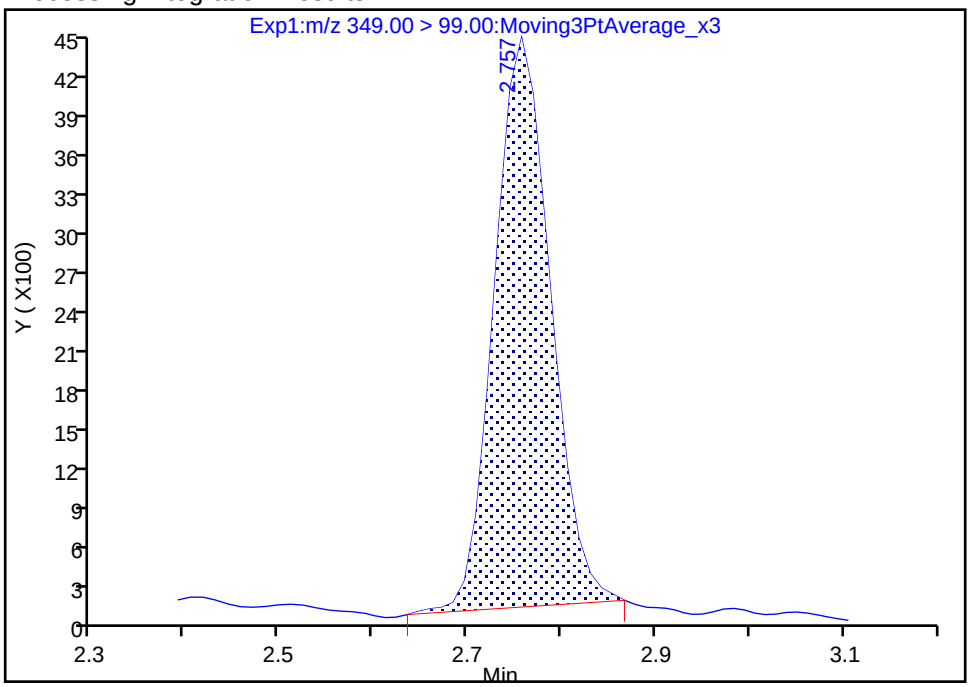
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Injection Date:	03-Aug-2022 13:00:16	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18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

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 2

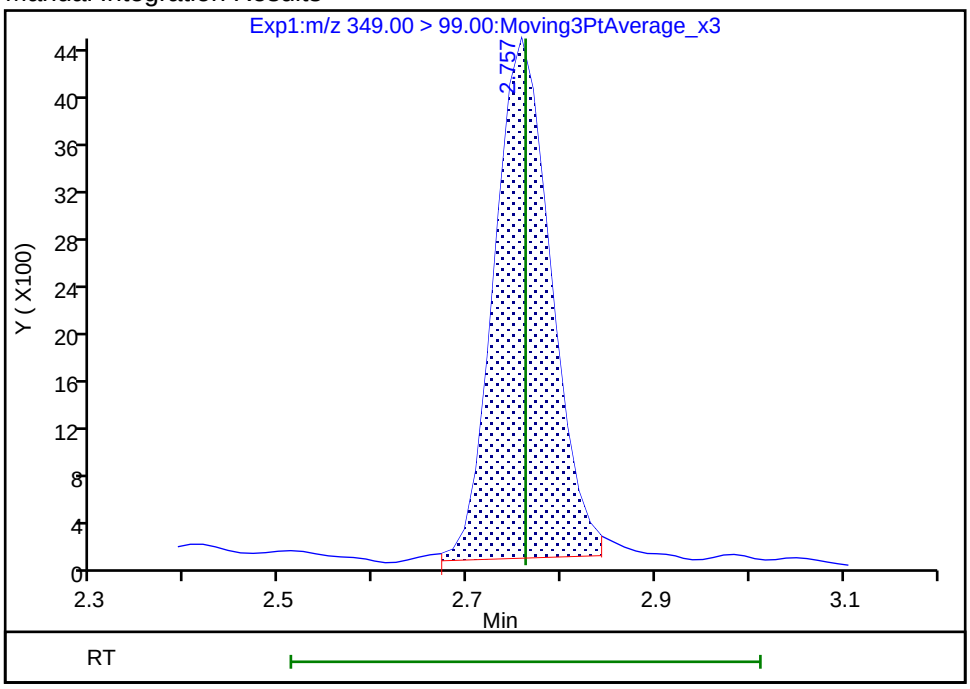
Processing Integration Results

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



Manual Integration Results

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



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

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

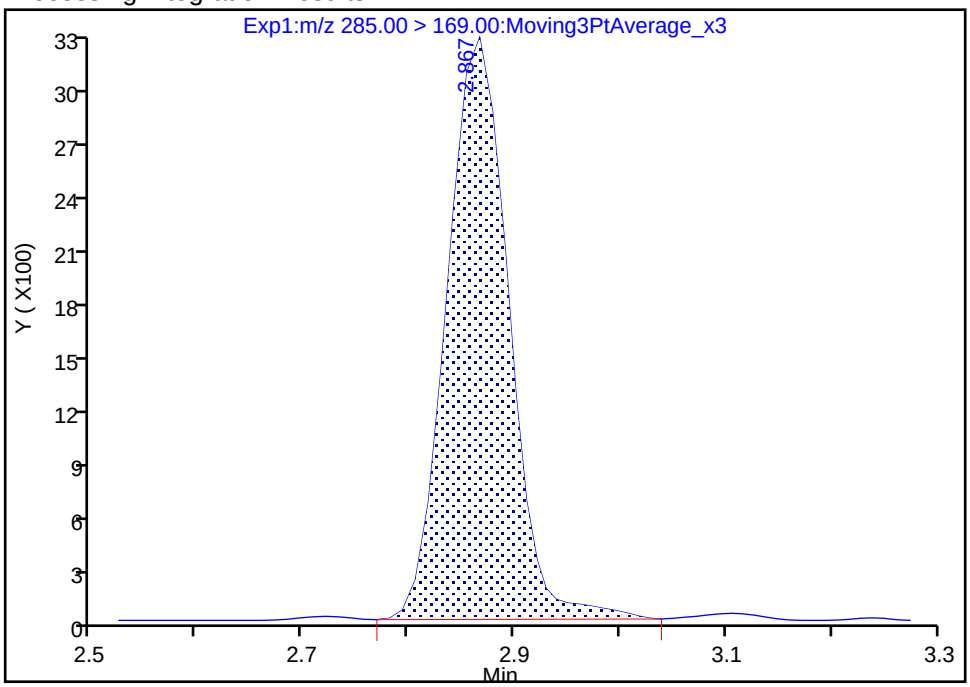
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

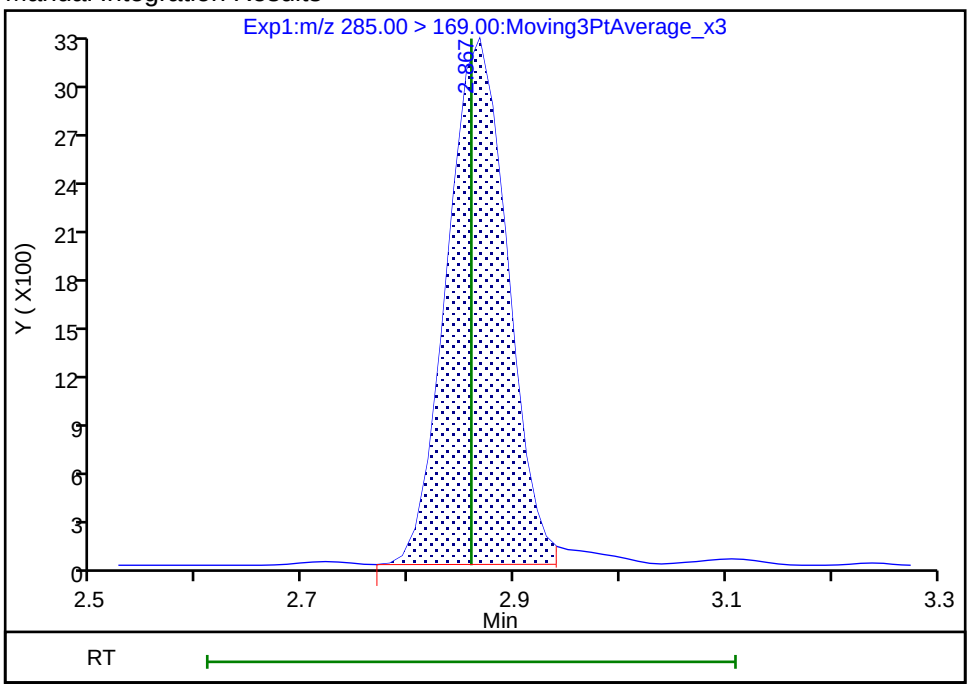
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

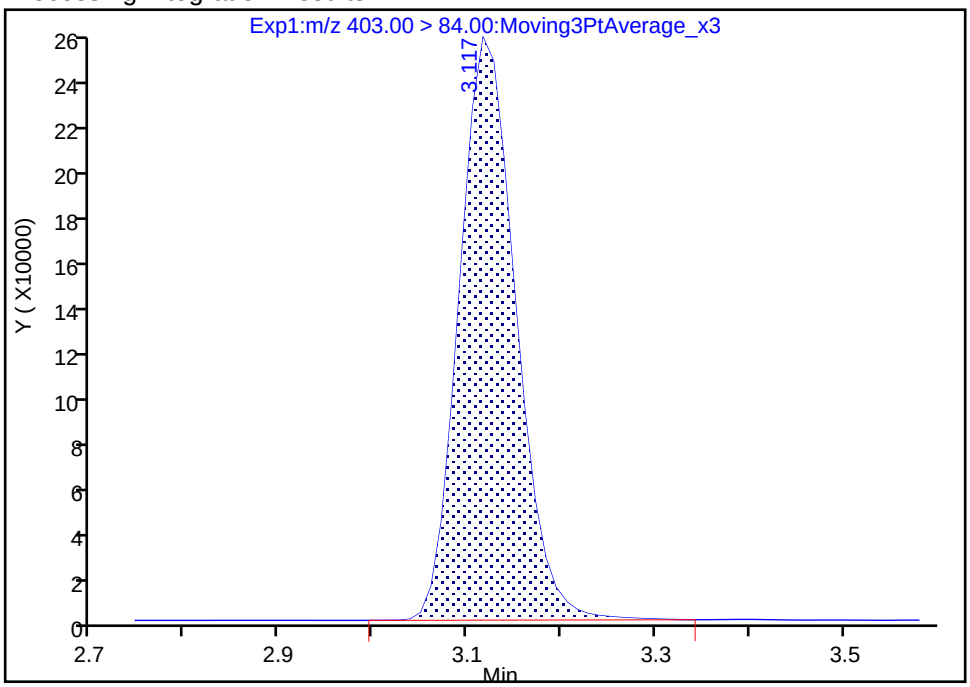
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d				
Injection Date:	03-Aug-2022 13:00:16	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

D 11 18O2 PFHxS, CAS: STL00994

Signal: 1

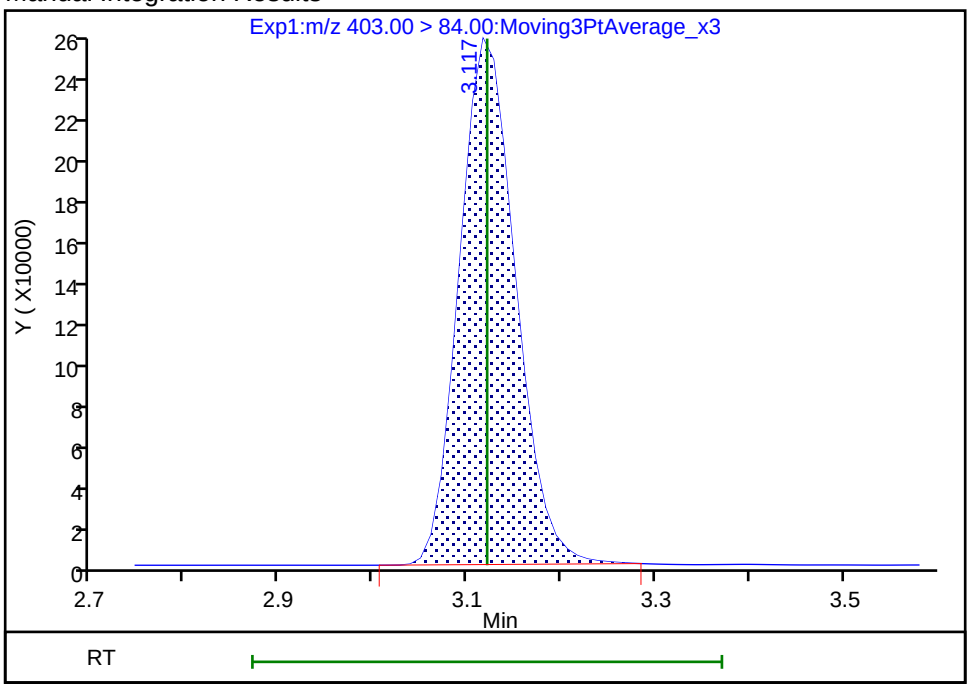
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:17:42

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

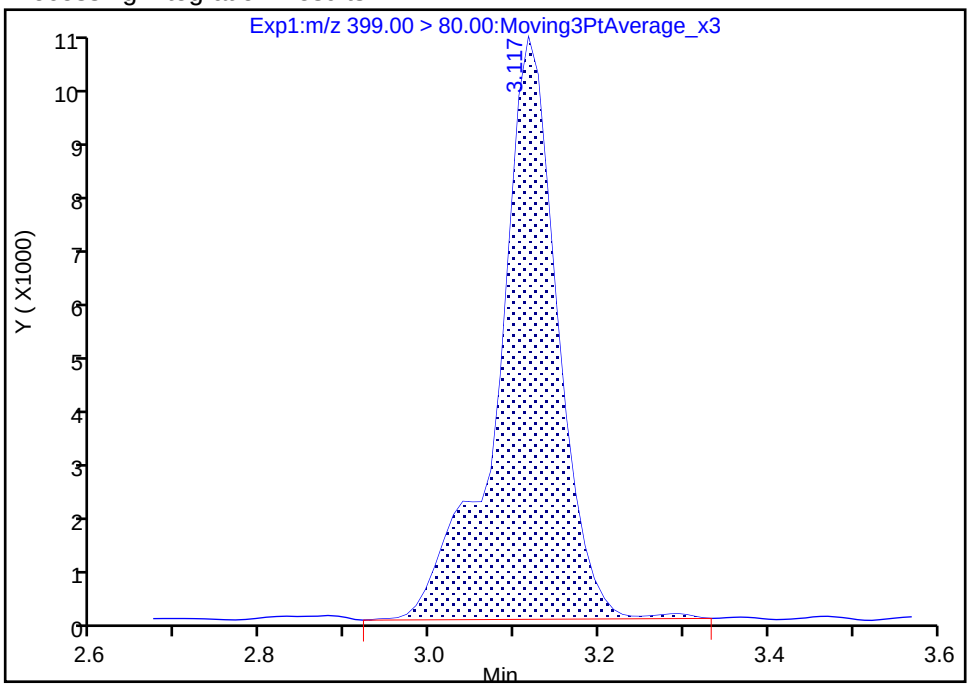
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

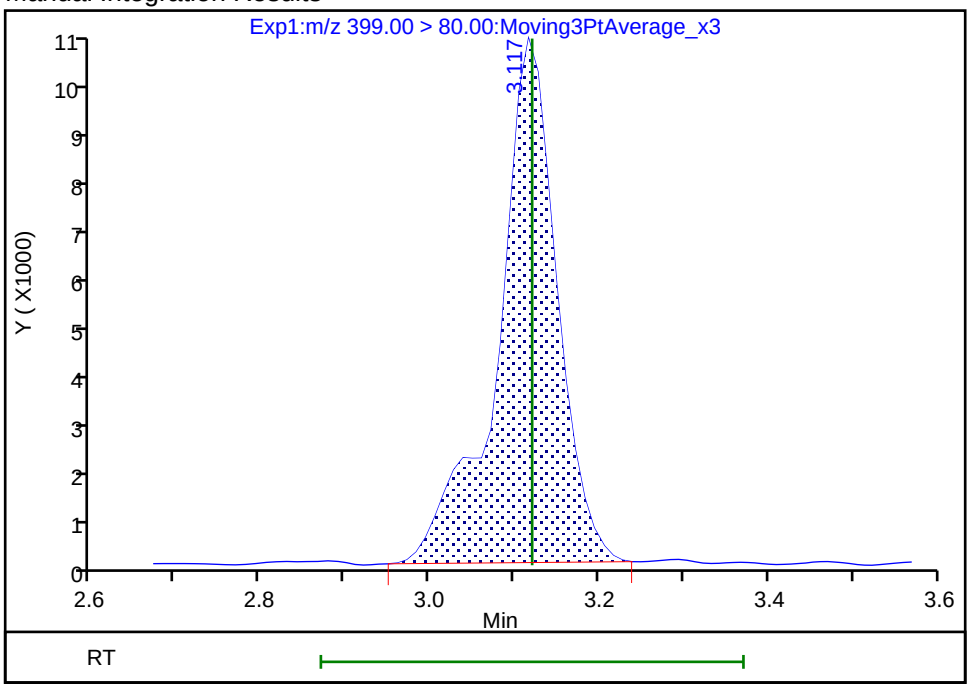
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

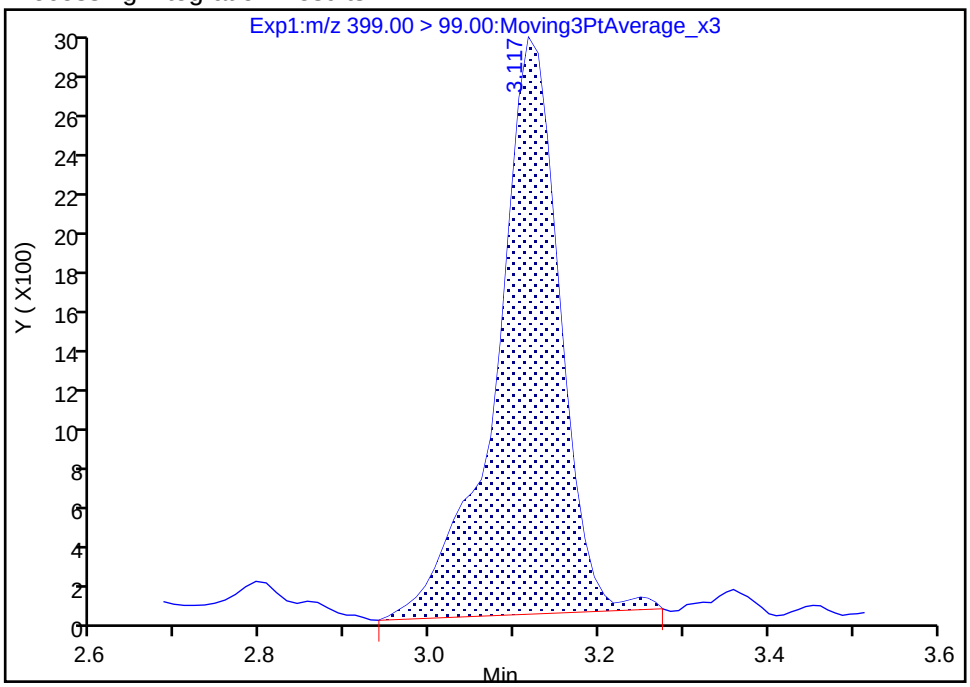
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d				
Injection Date:	03-Aug-2022 13:00:16	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

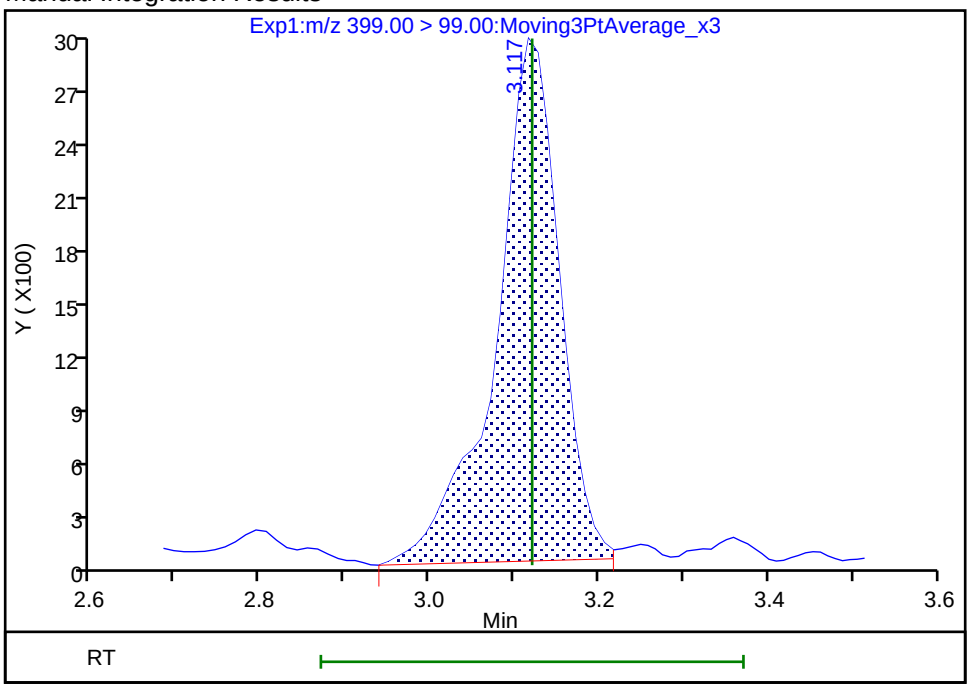
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:17:33
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

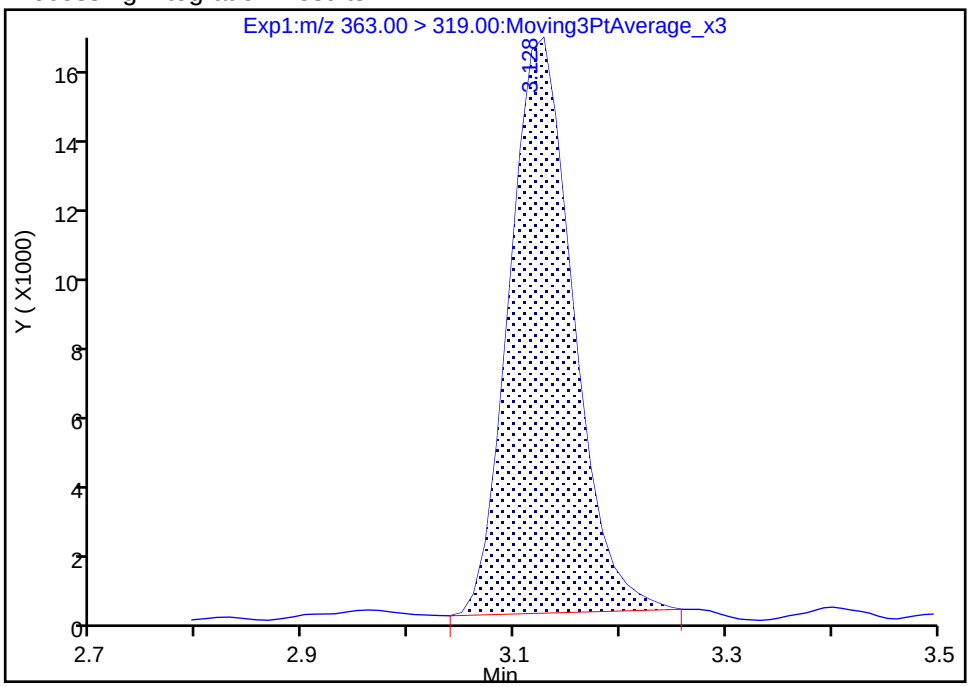
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

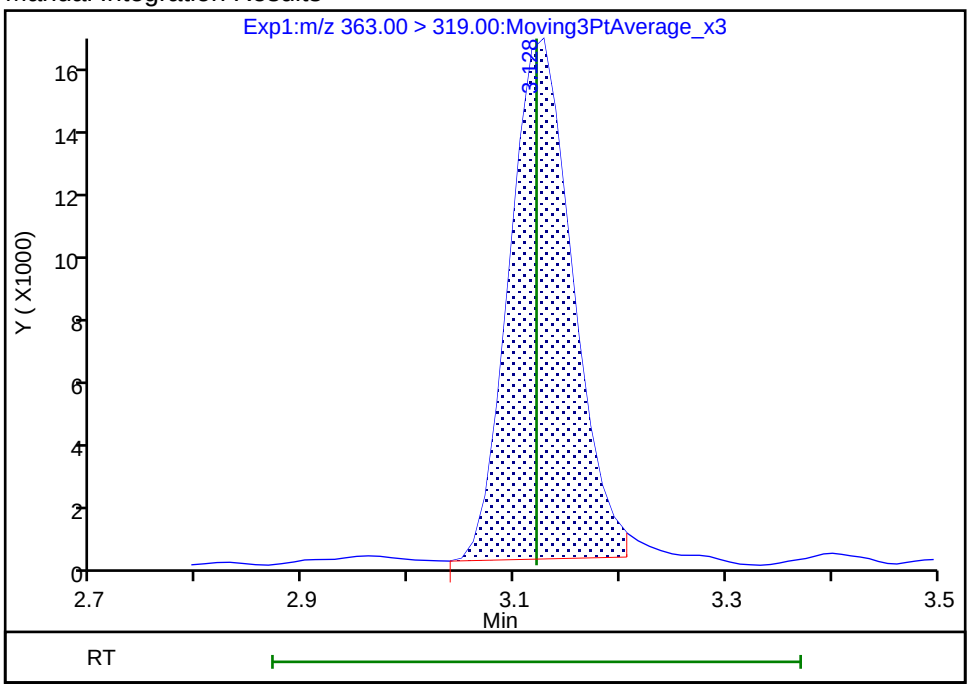
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

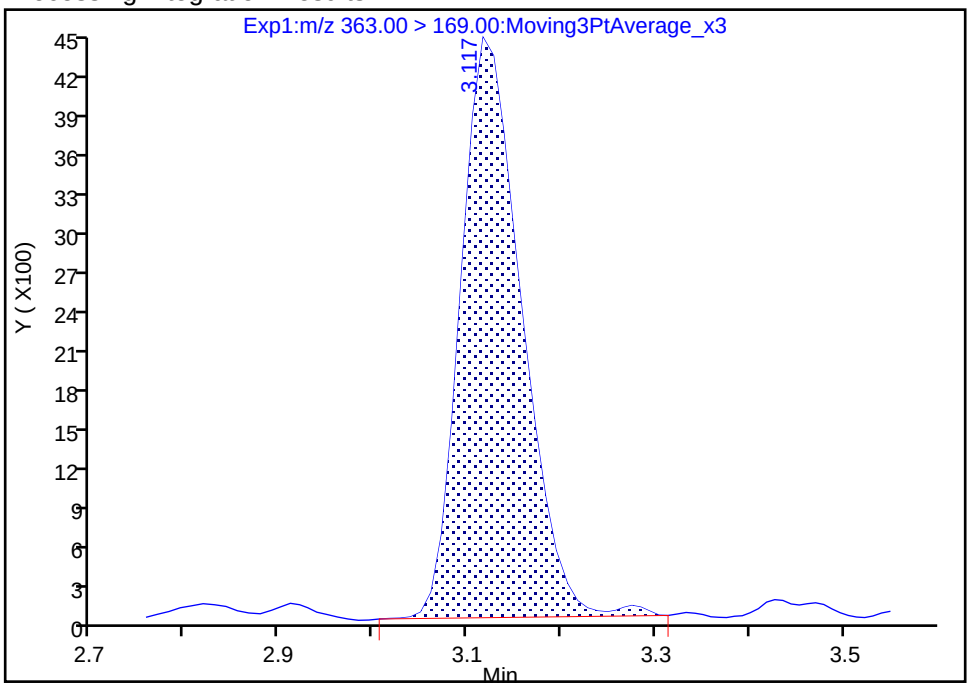
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d				
Injection Date:	03-Aug-2022 13:00:16	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

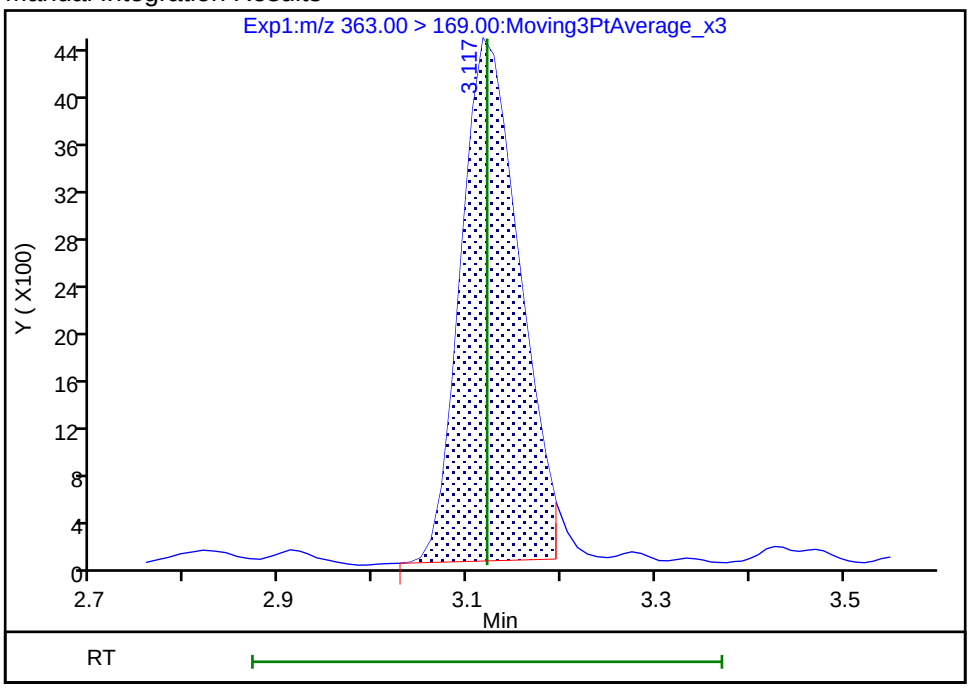
Processing Integration Results

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



Manual Integration Results

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



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

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

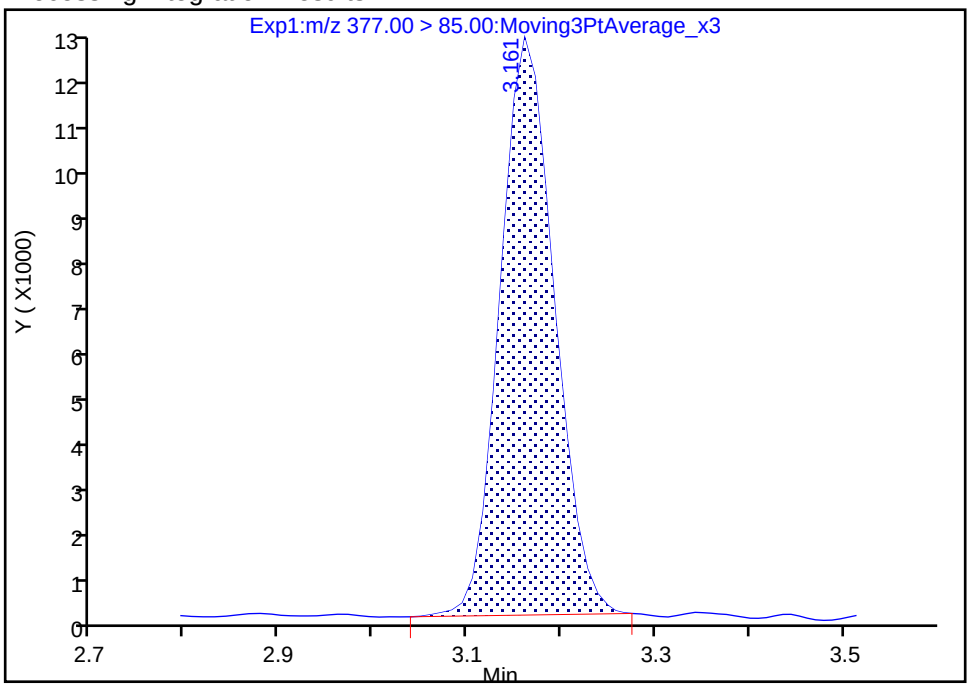
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d				
Injection Date:	03-Aug-2022 13:00:16	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

77 DONA, CAS: 919005-14-4

Signal: 2

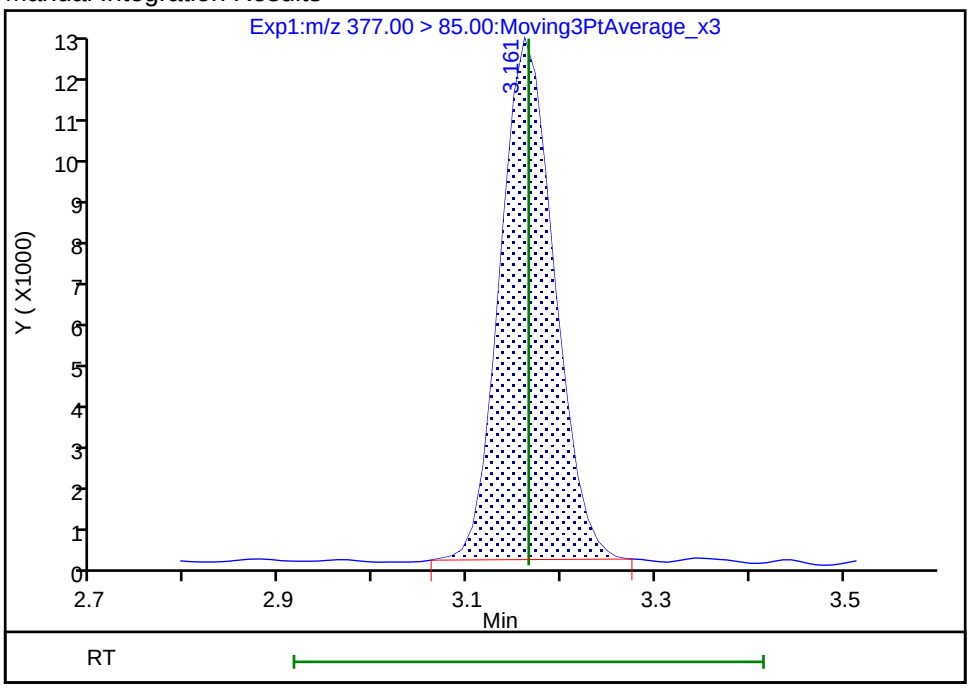
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:18:14

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

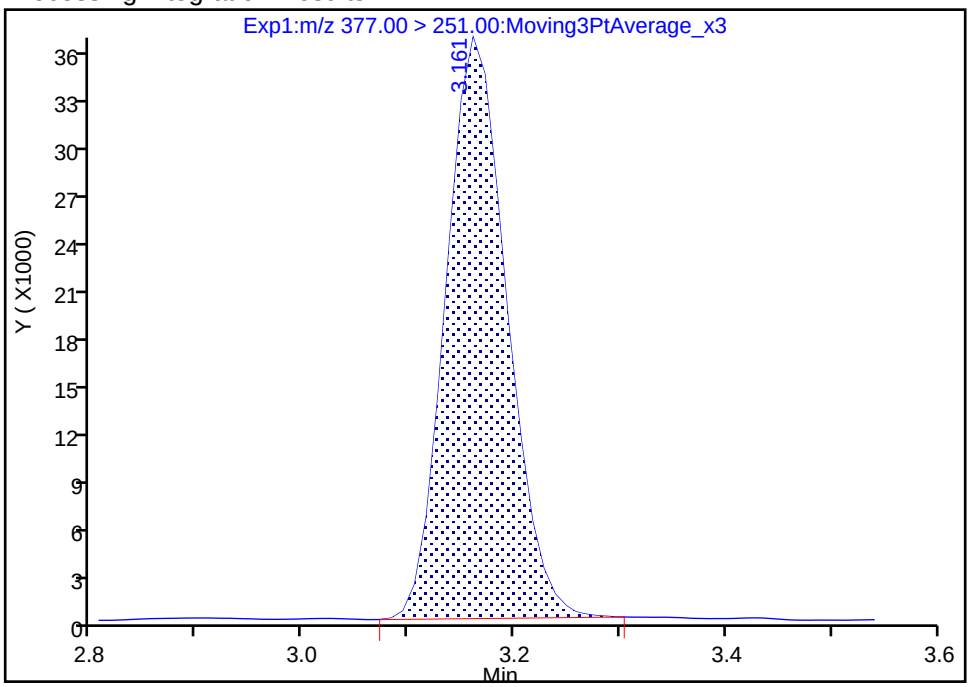
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

77 DONA, CAS: 919005-14-4

Signal: 1

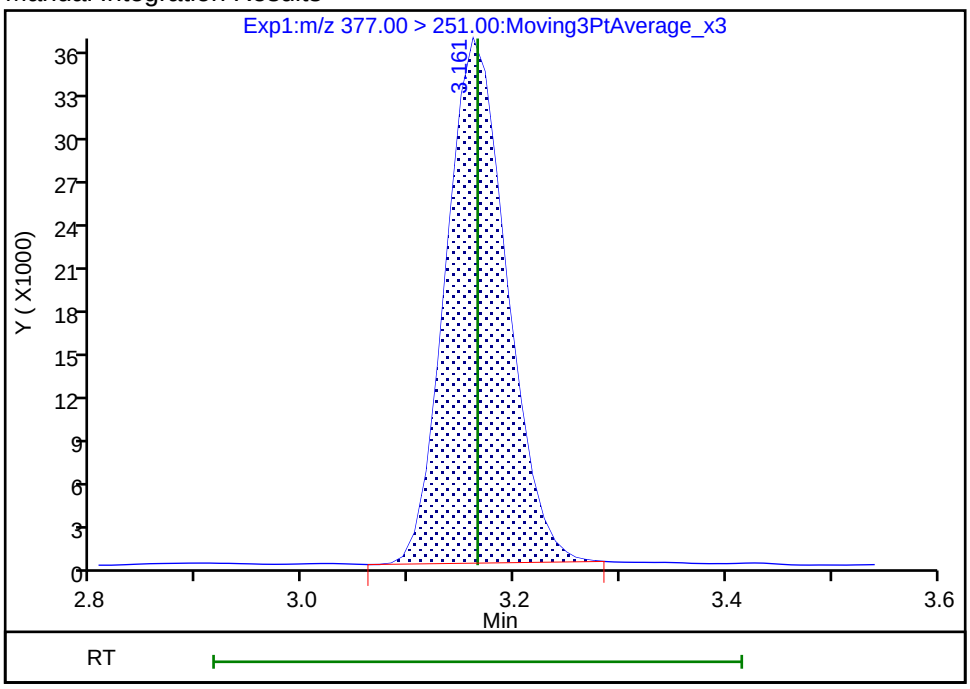
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:18:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

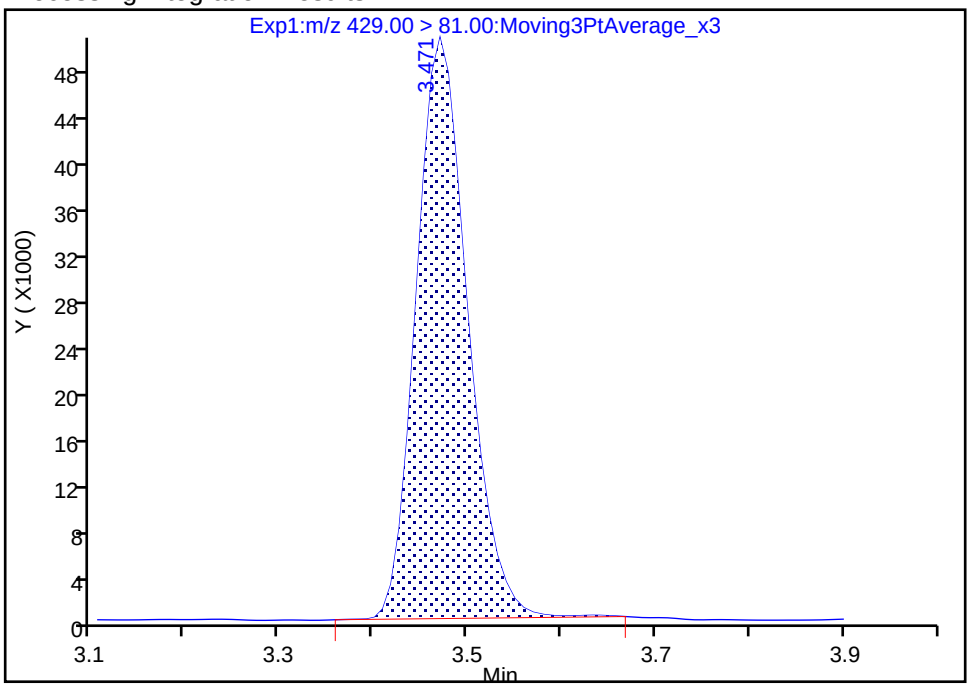
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d				
Injection Date:	03-Aug-2022 13:00:16	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

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

Signal: 1

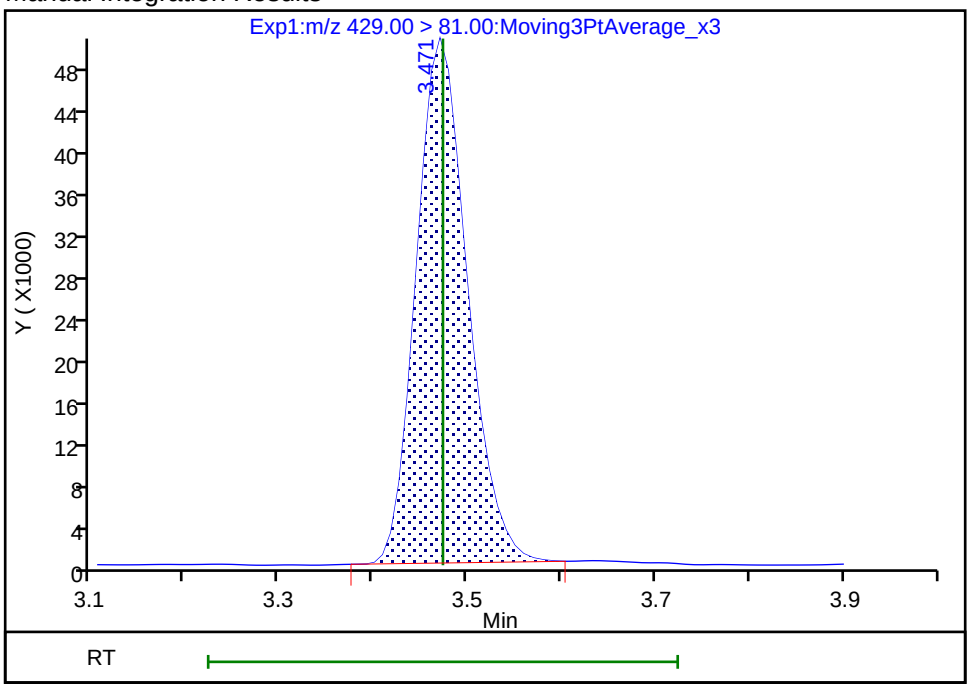
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

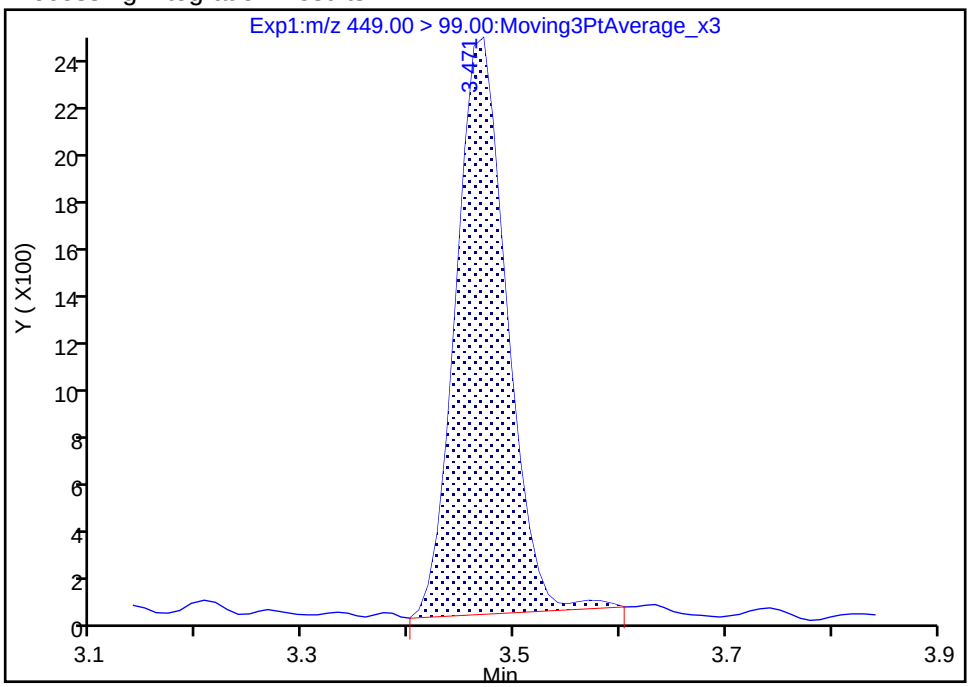
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

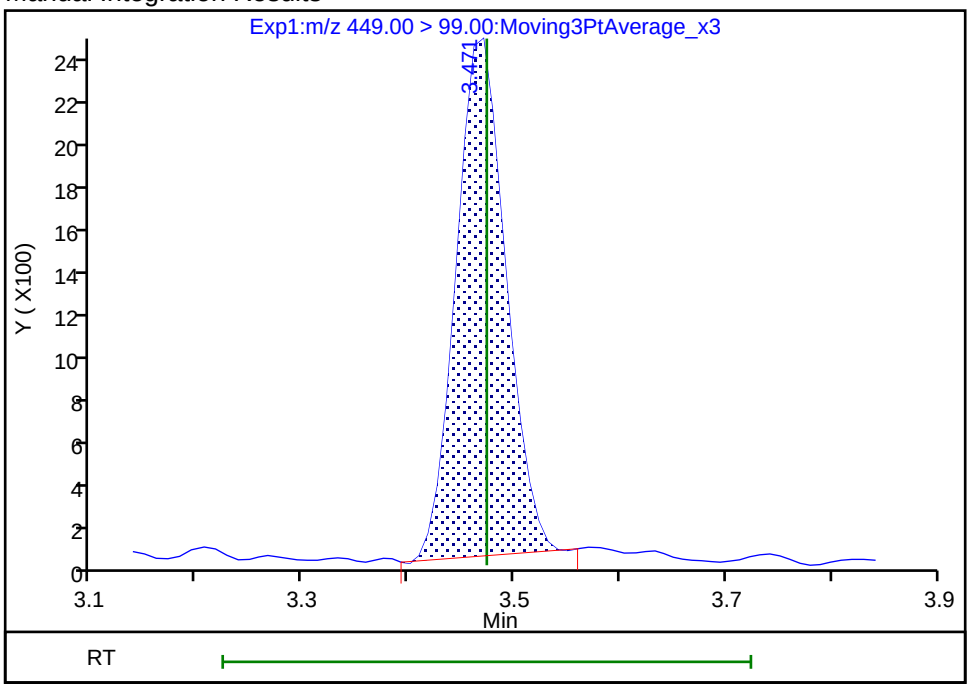
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

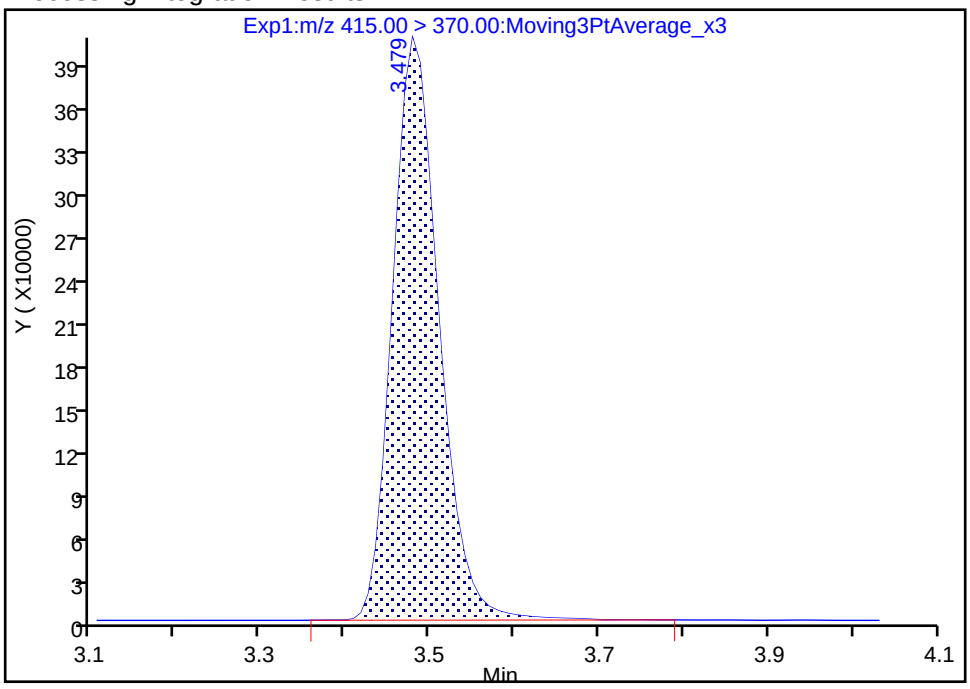
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

* 62 13C2 PFOA, CAS: STL00623

Signal: 1

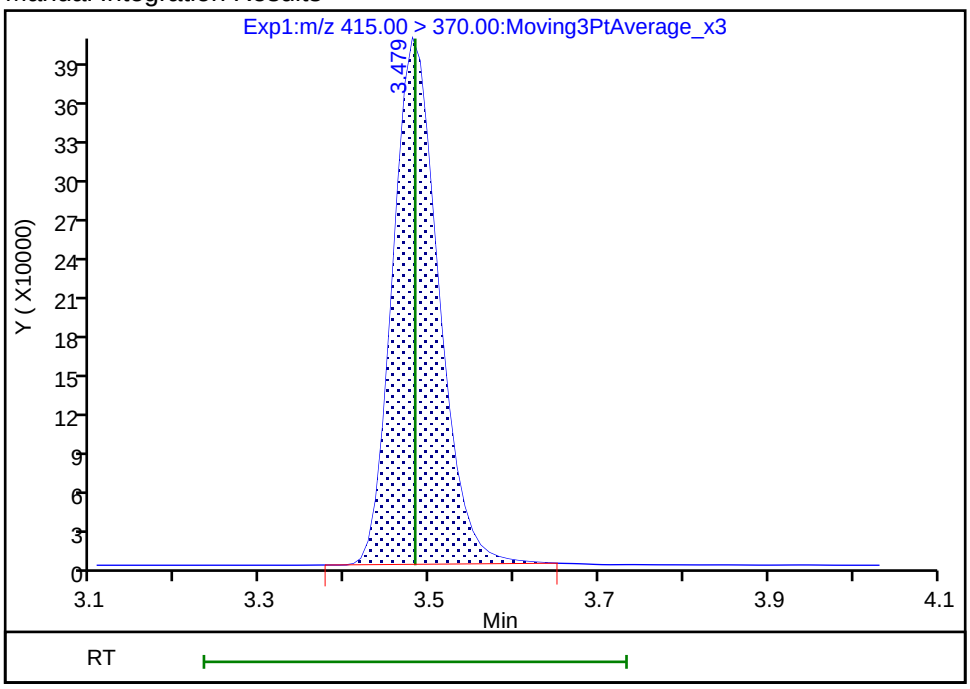
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

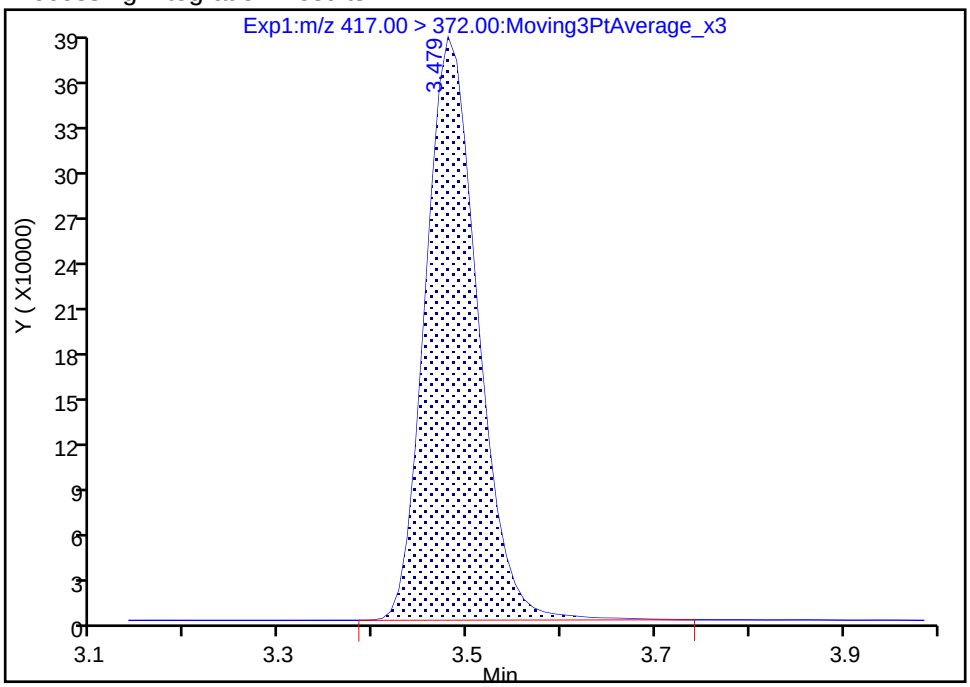
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

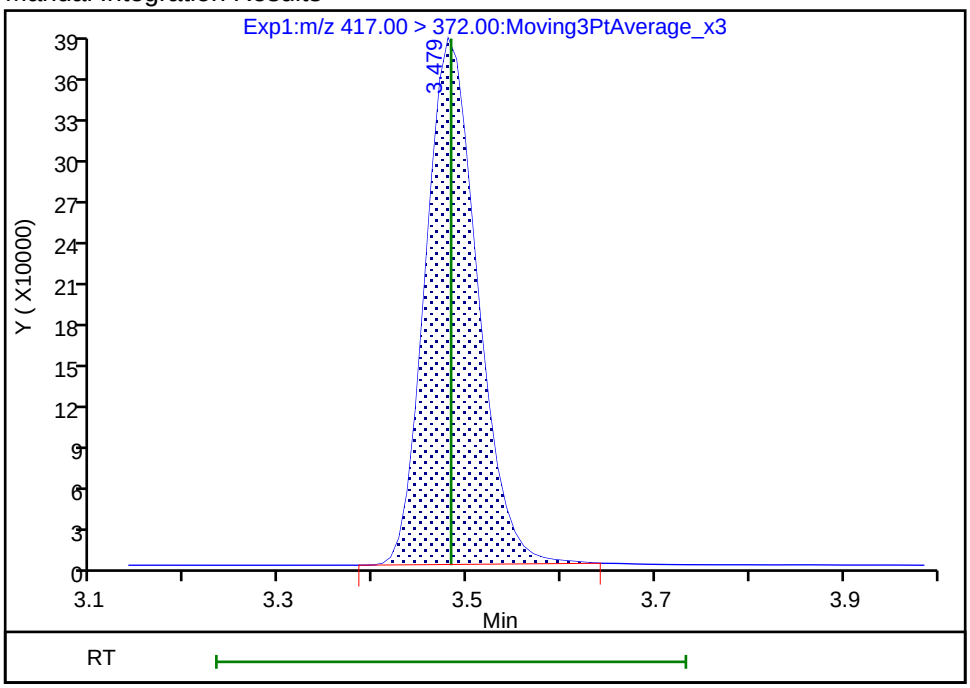
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

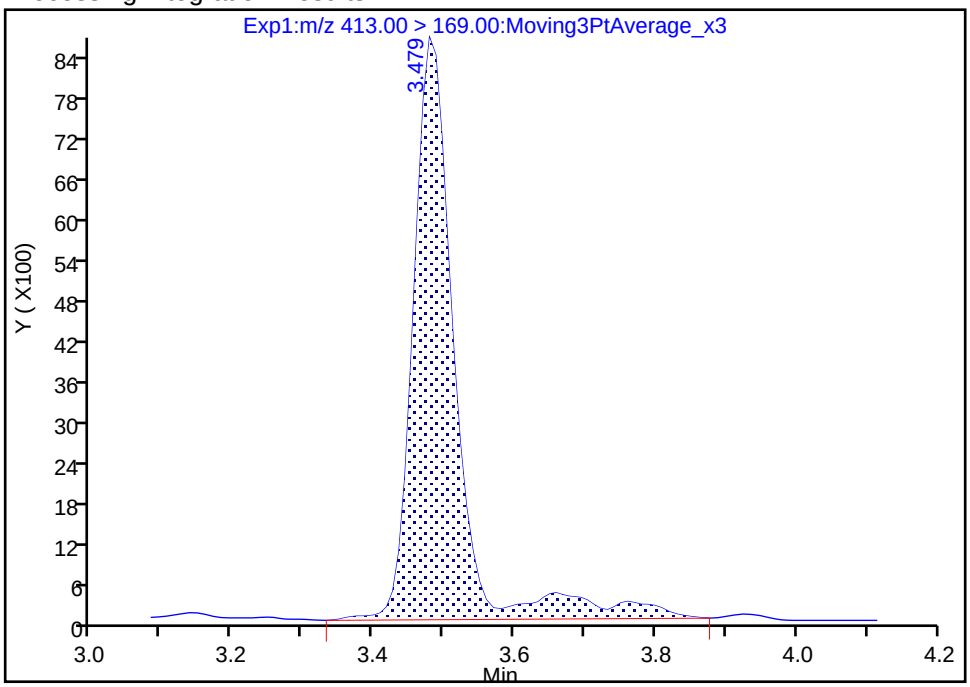
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d				
Injection Date:	03-Aug-2022 13:00:16	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

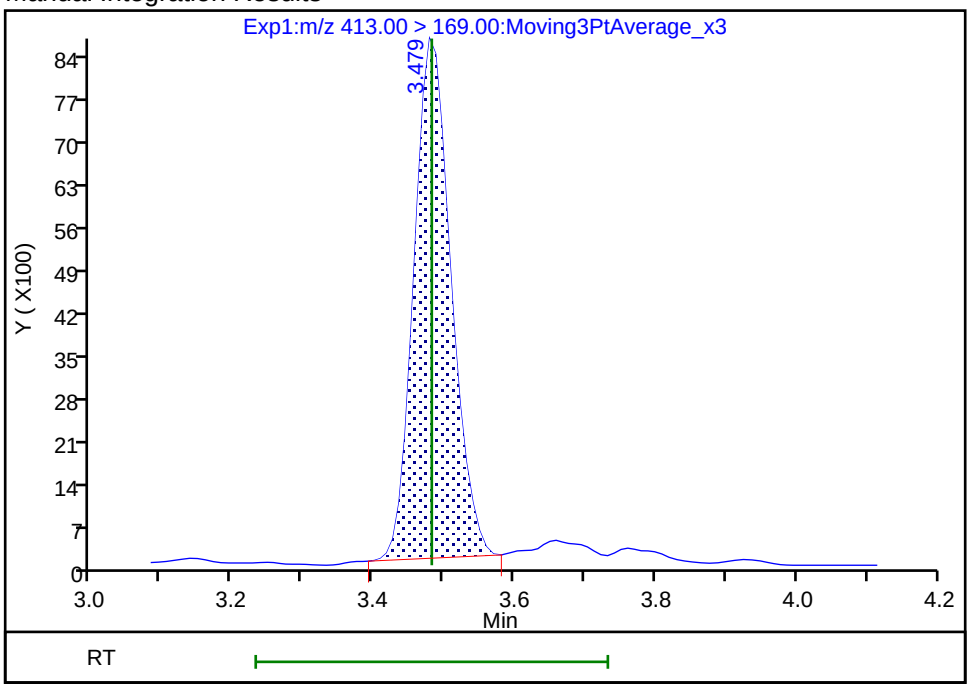
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:19:02

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

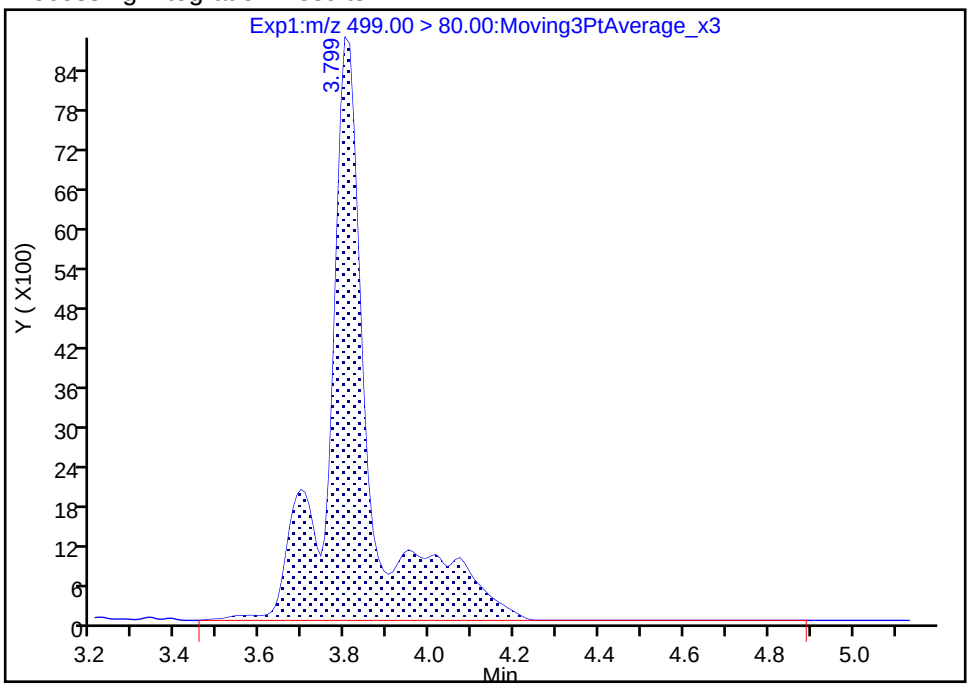
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d				
Injection Date:	03-Aug-2022 13:00:16	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

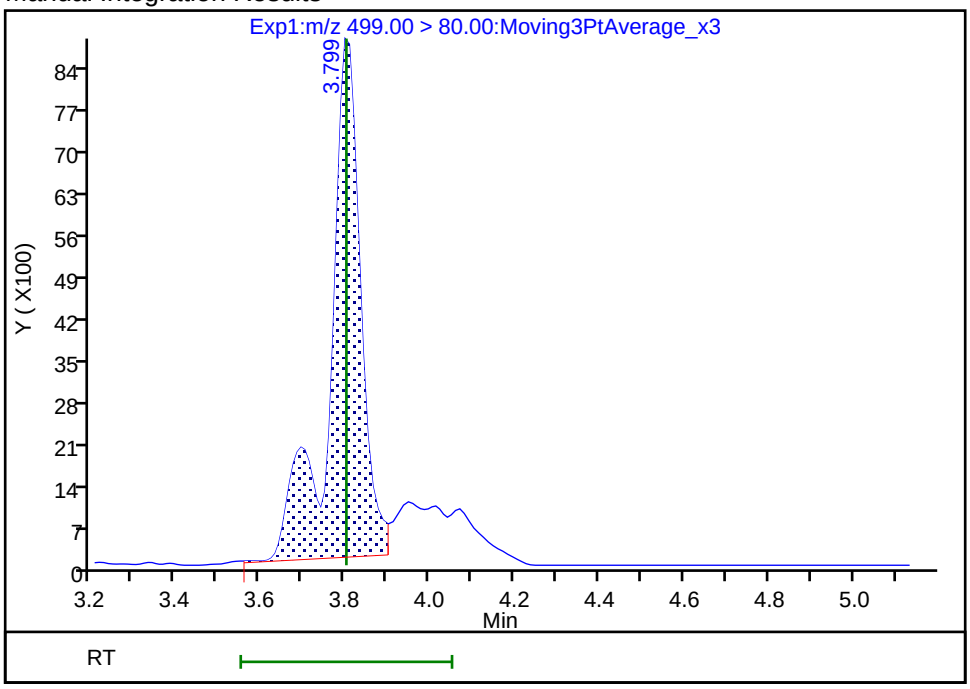
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:20:11

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

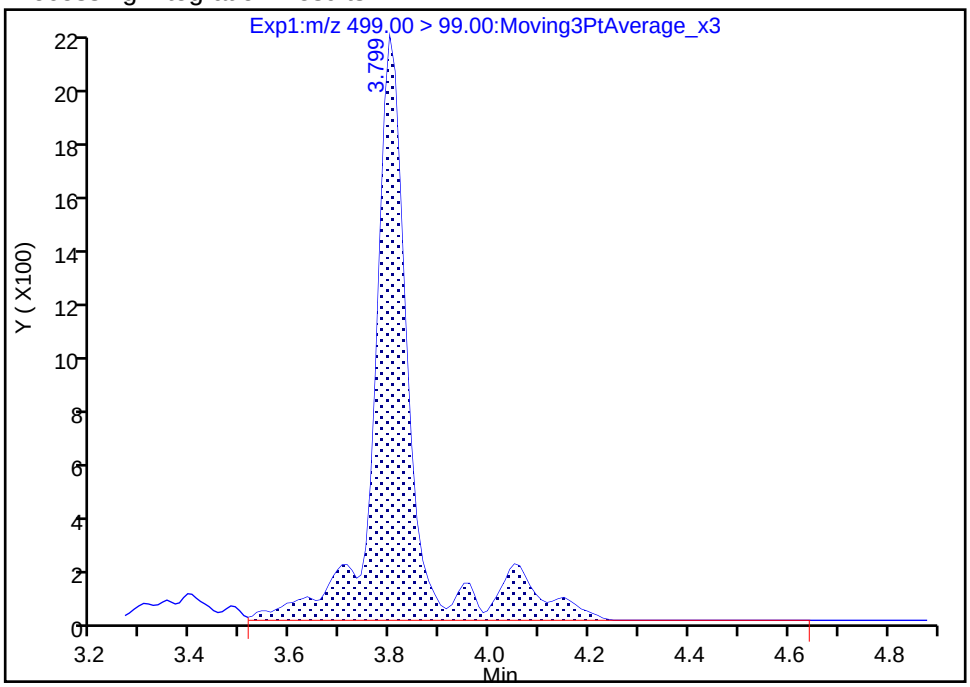
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d				
Injection Date:	03-Aug-2022 13:00:16	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

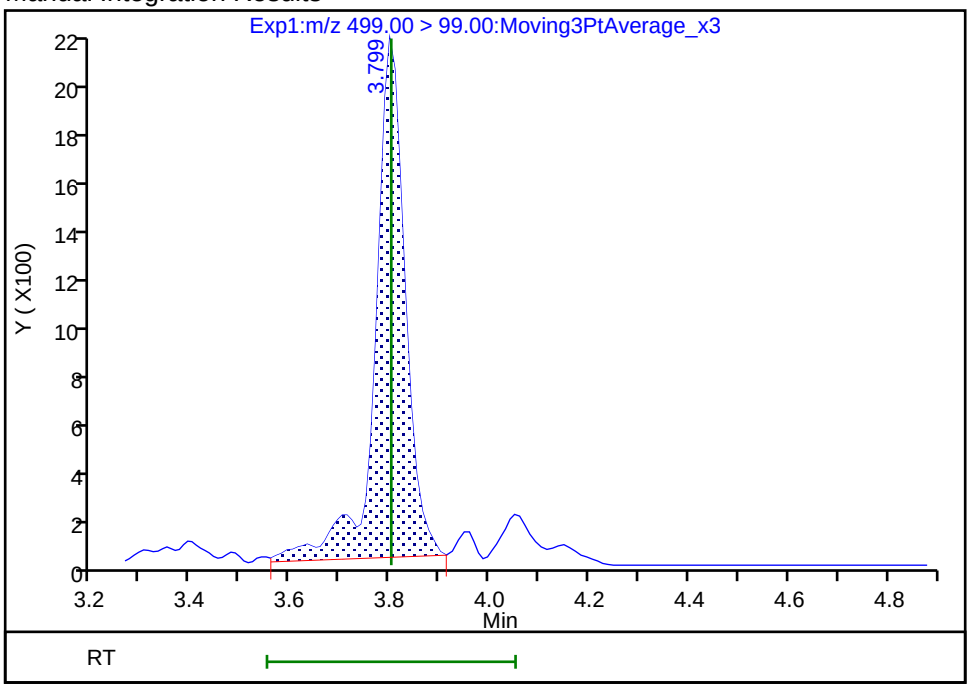
Processing Integration Results

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



Manual Integration Results

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



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

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

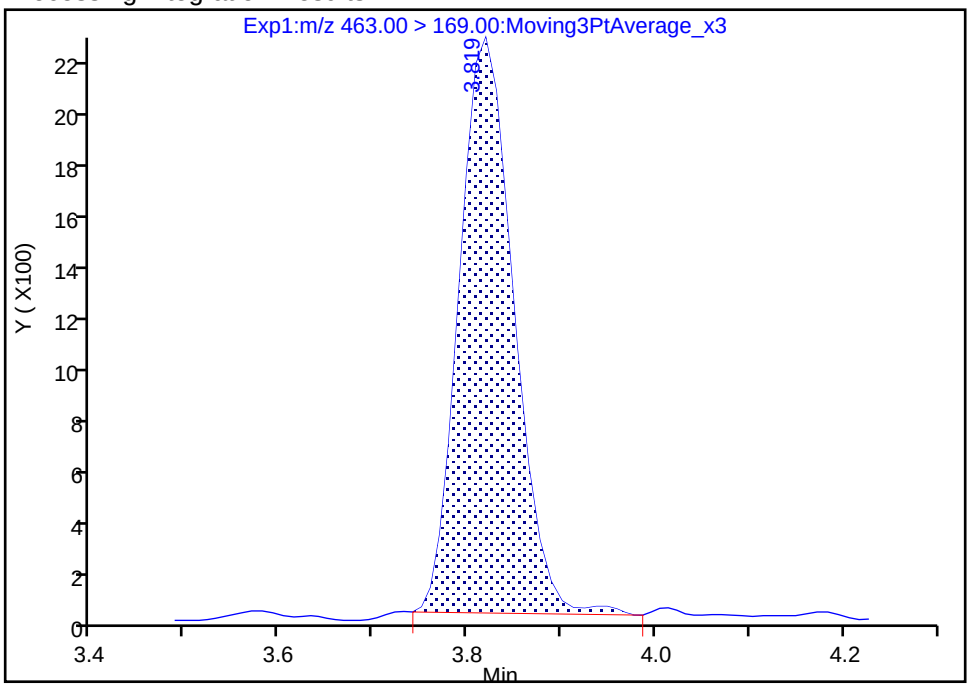
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

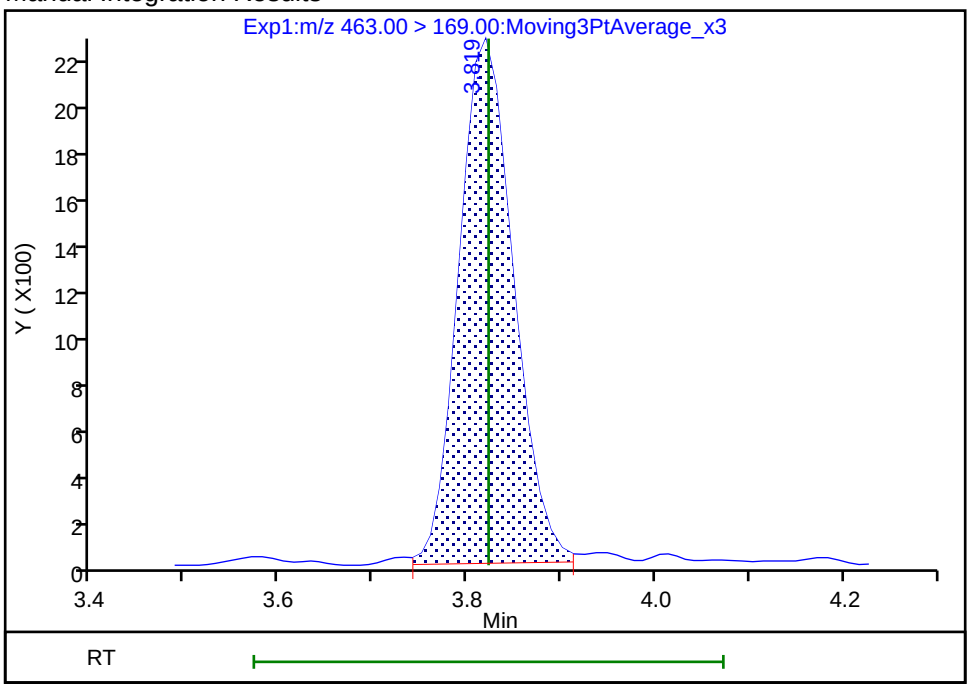
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

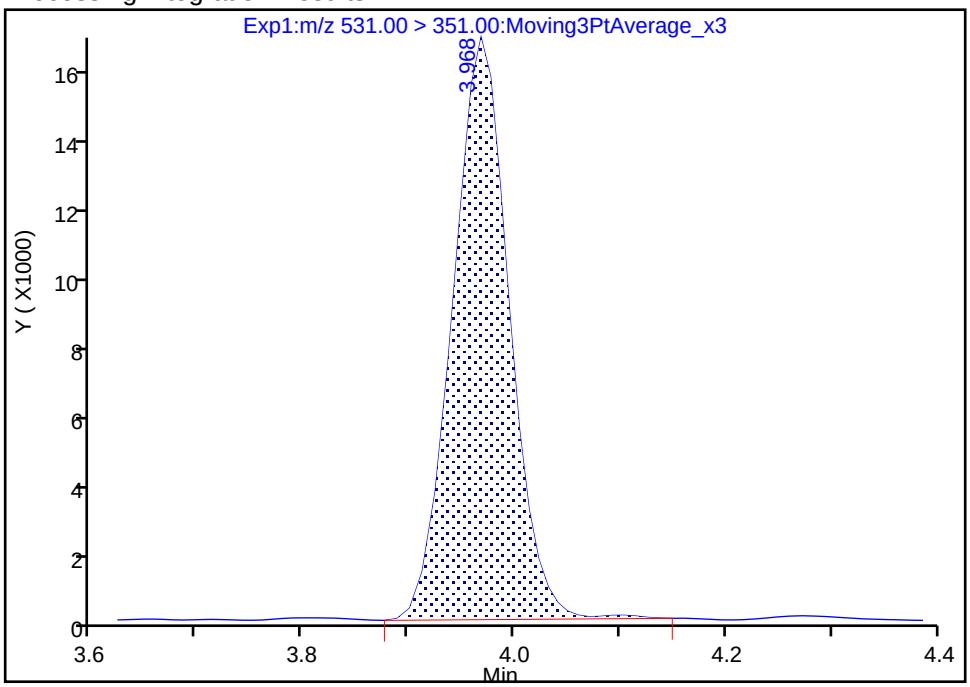
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

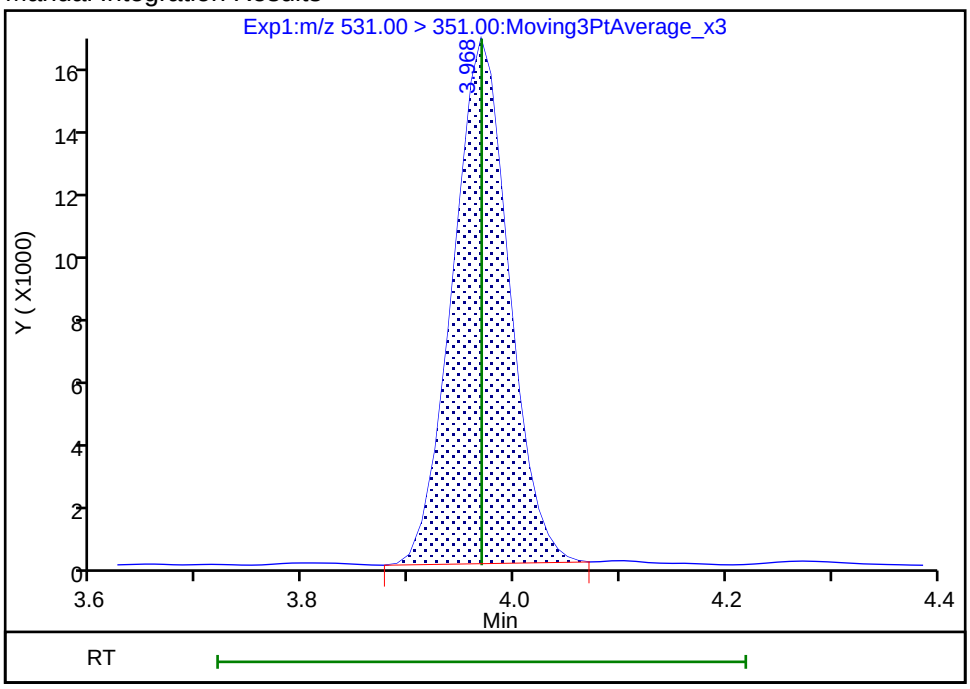
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

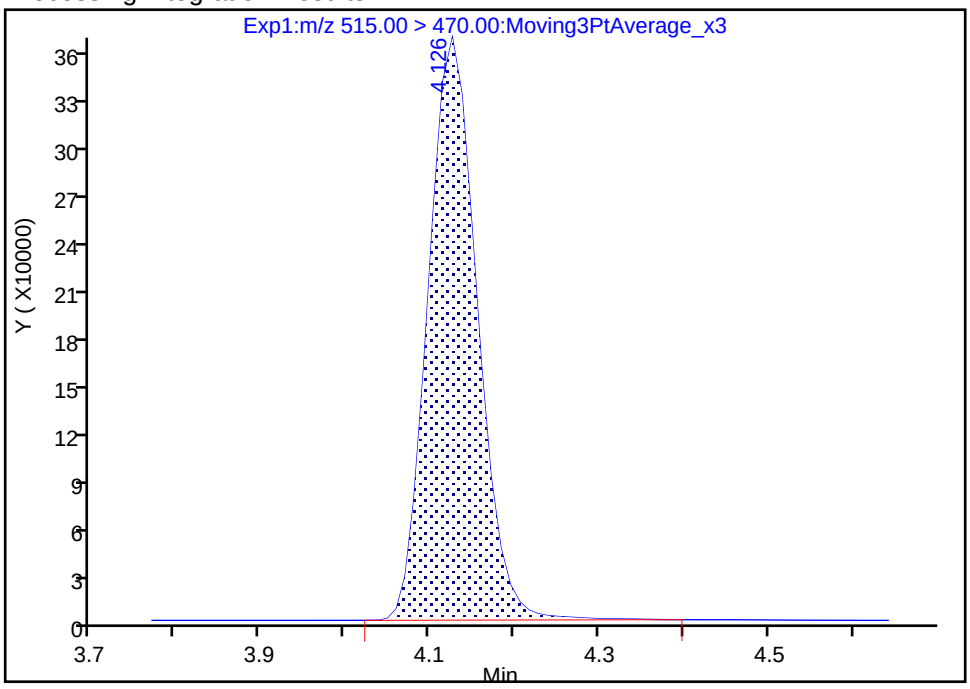
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

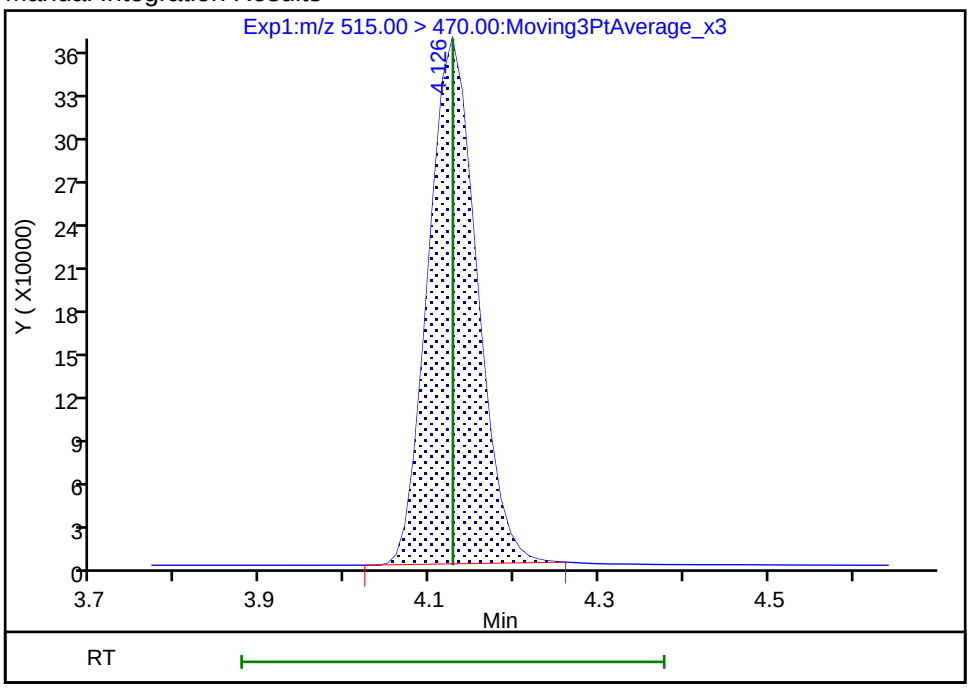
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

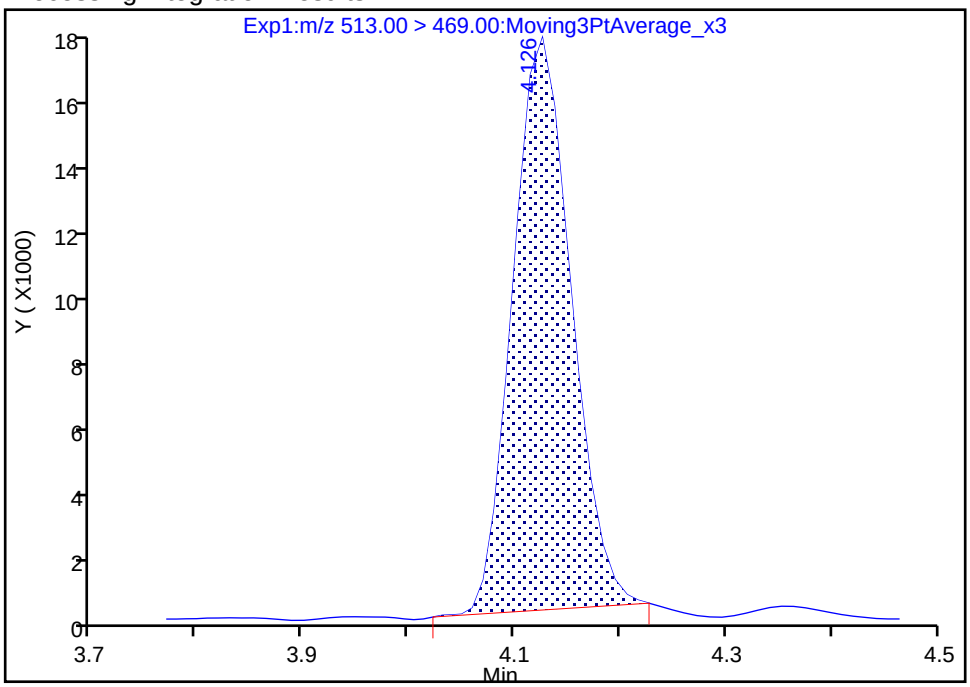
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

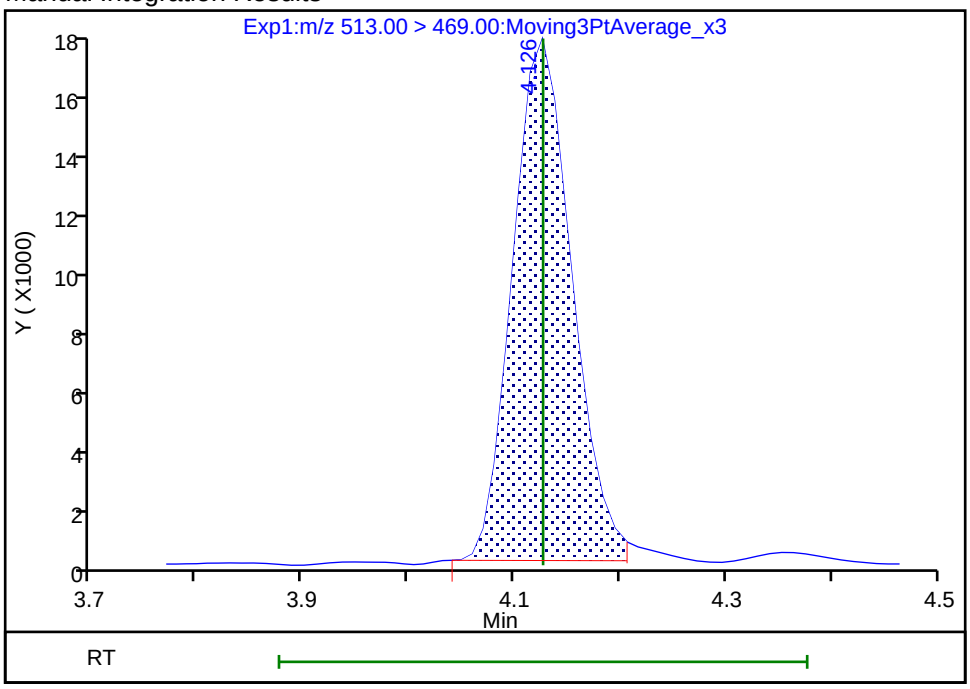
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

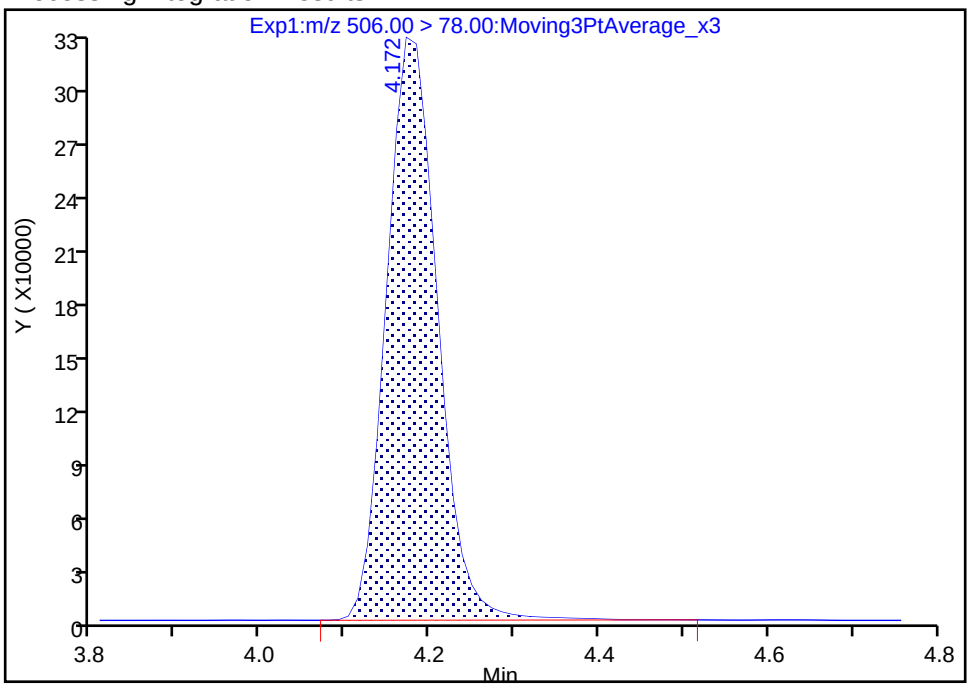
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d				
Injection Date:	03-Aug-2022 13:00:16	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

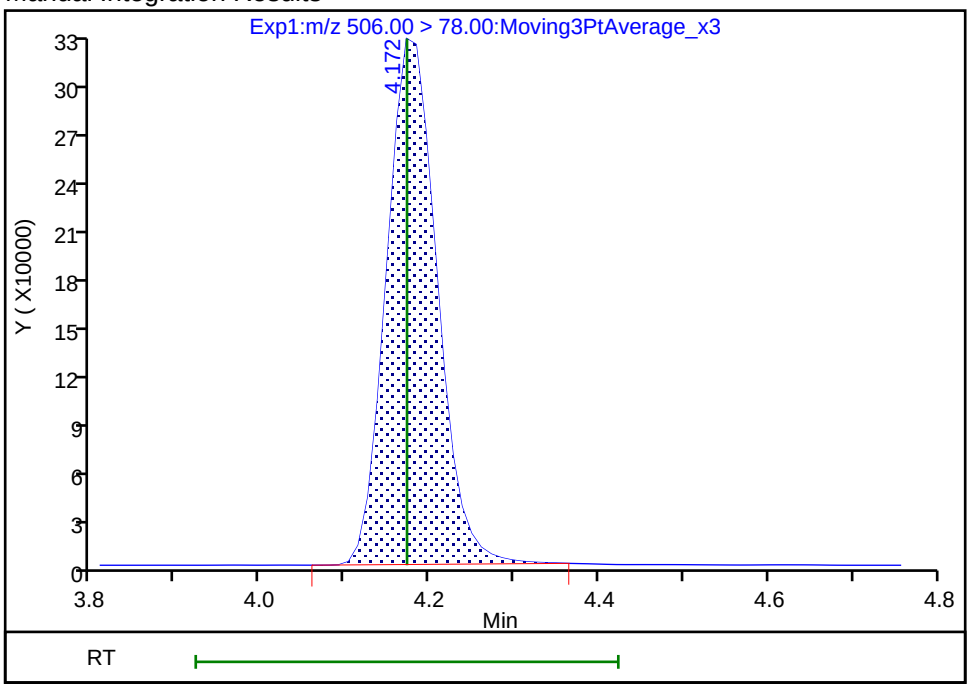
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:21:12

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

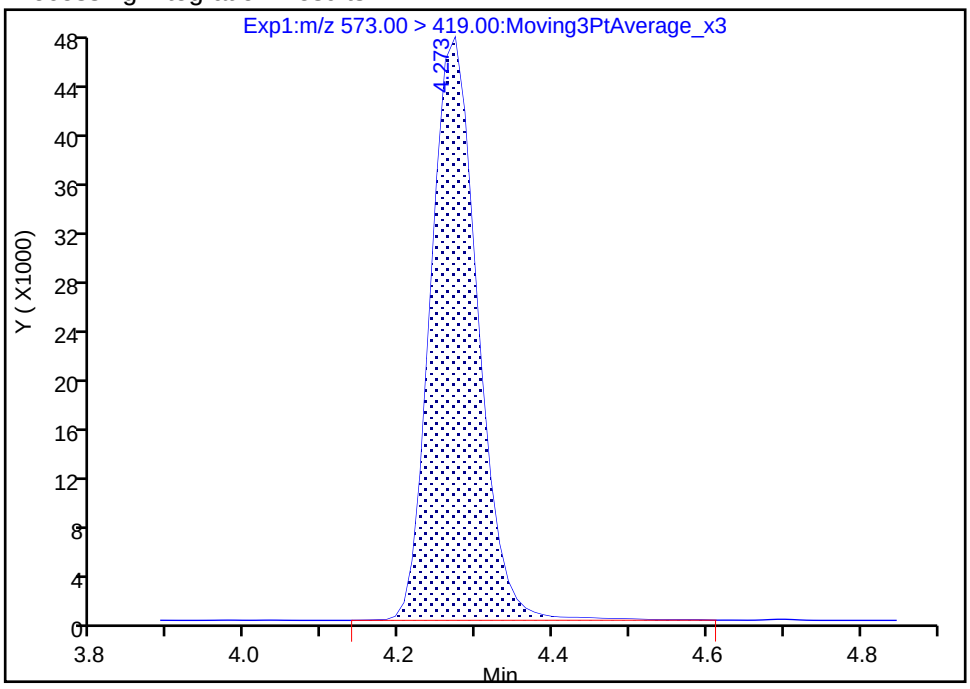
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

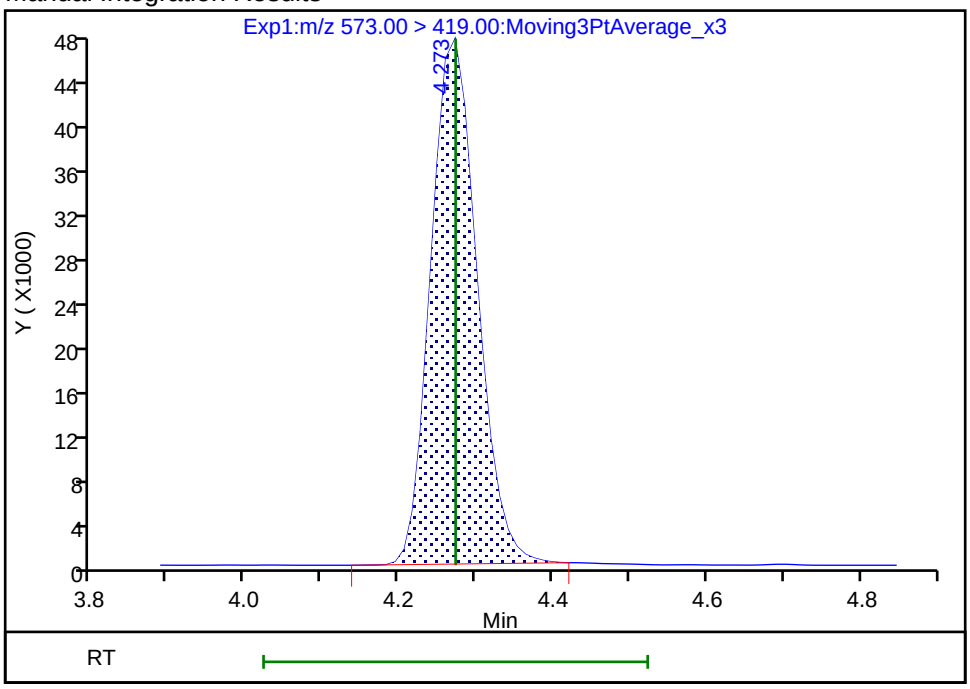
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

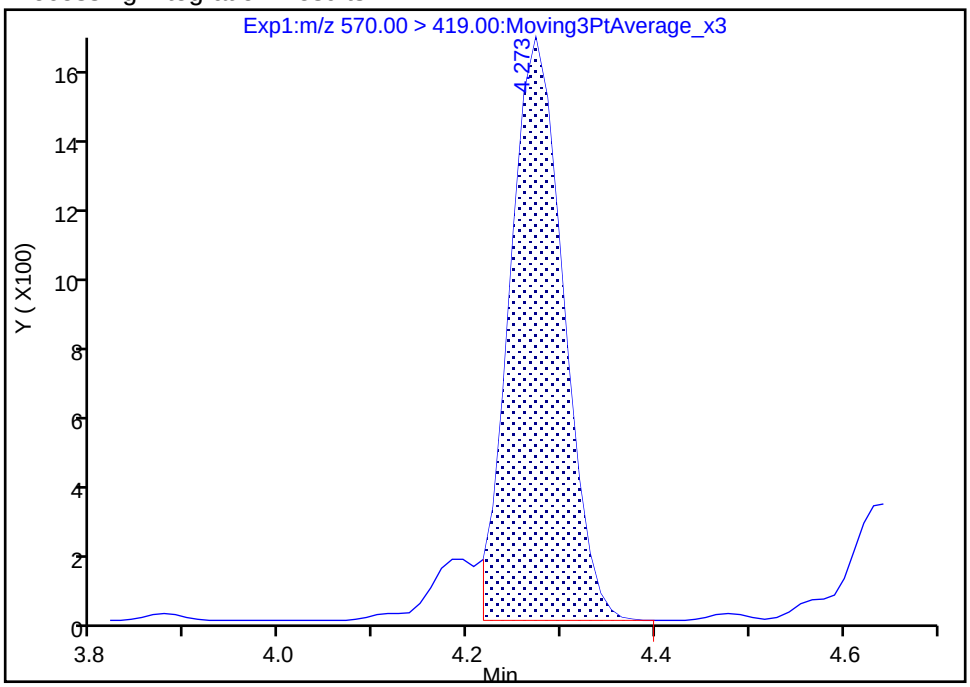
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

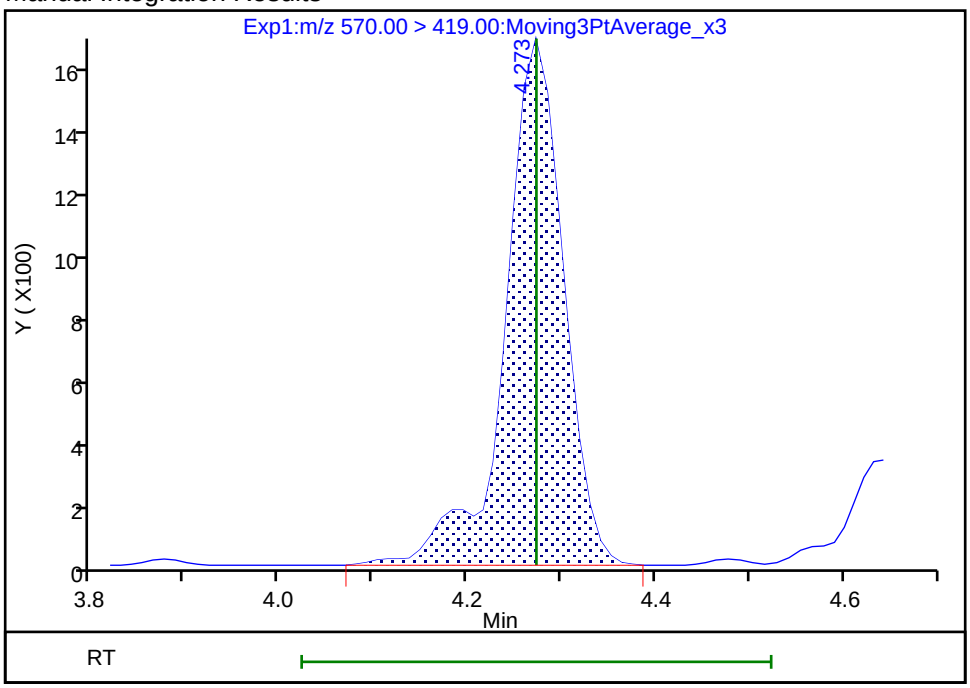
Processing Integration Results

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



Manual Integration Results

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



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

Eurofins Burlington

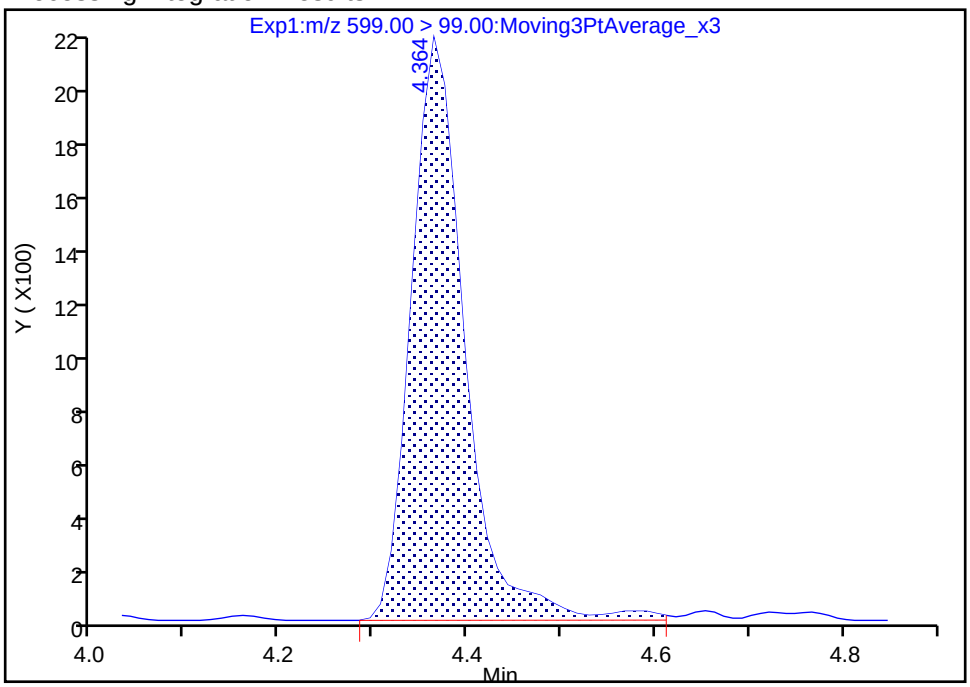
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

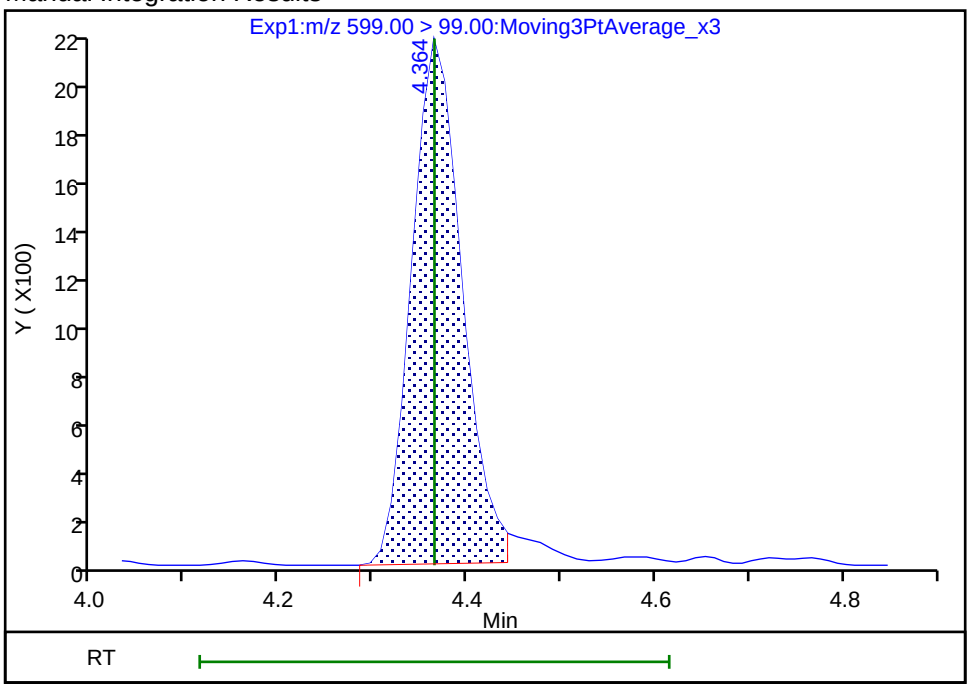
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

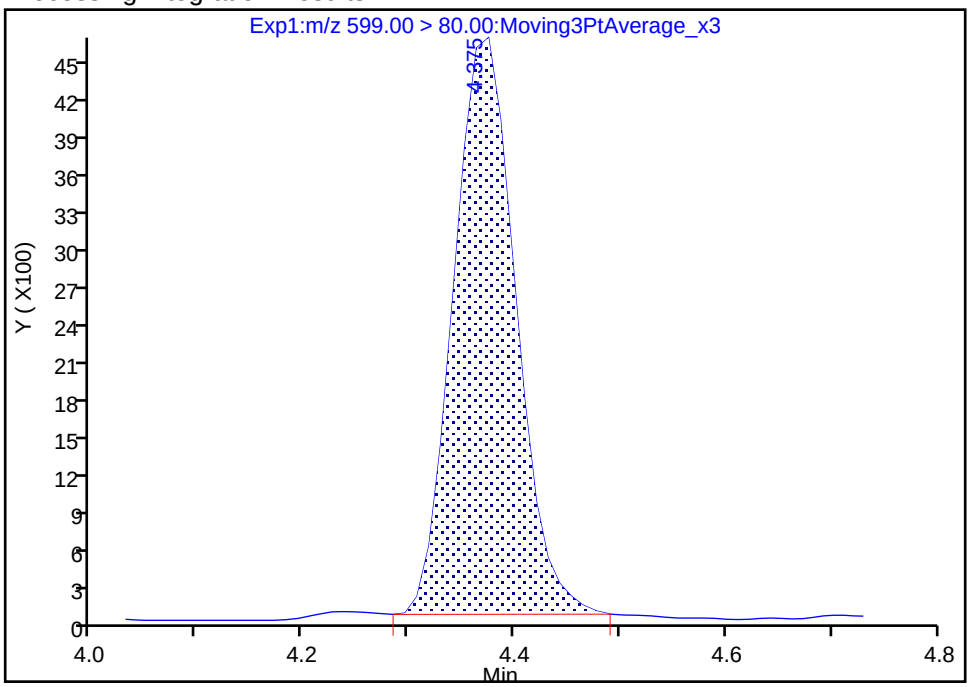
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d				
Injection Date:	03-Aug-2022 13:00:16	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

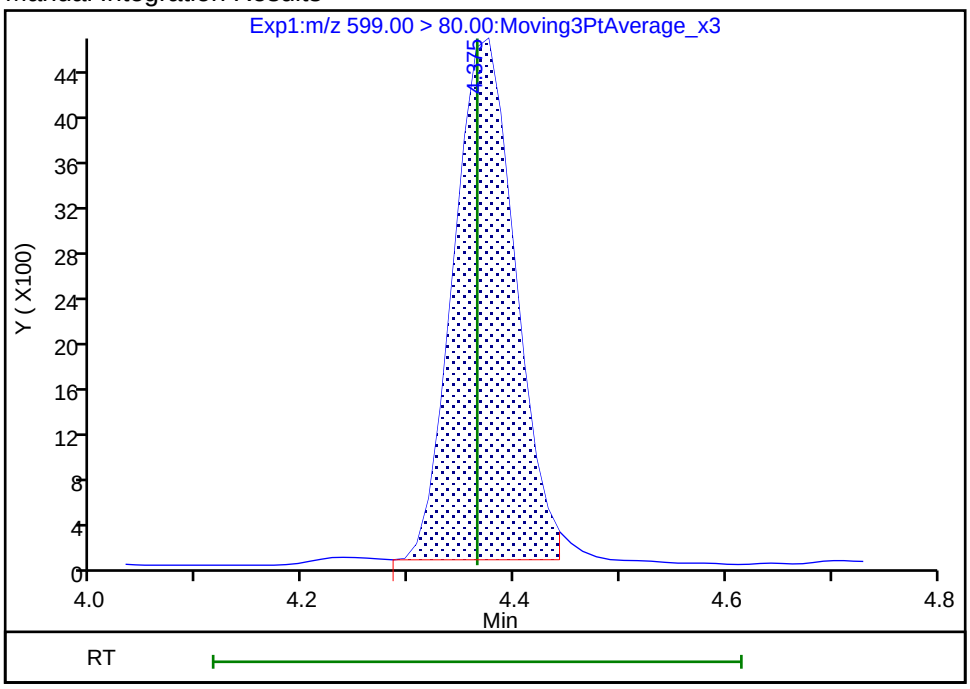
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:21:54
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

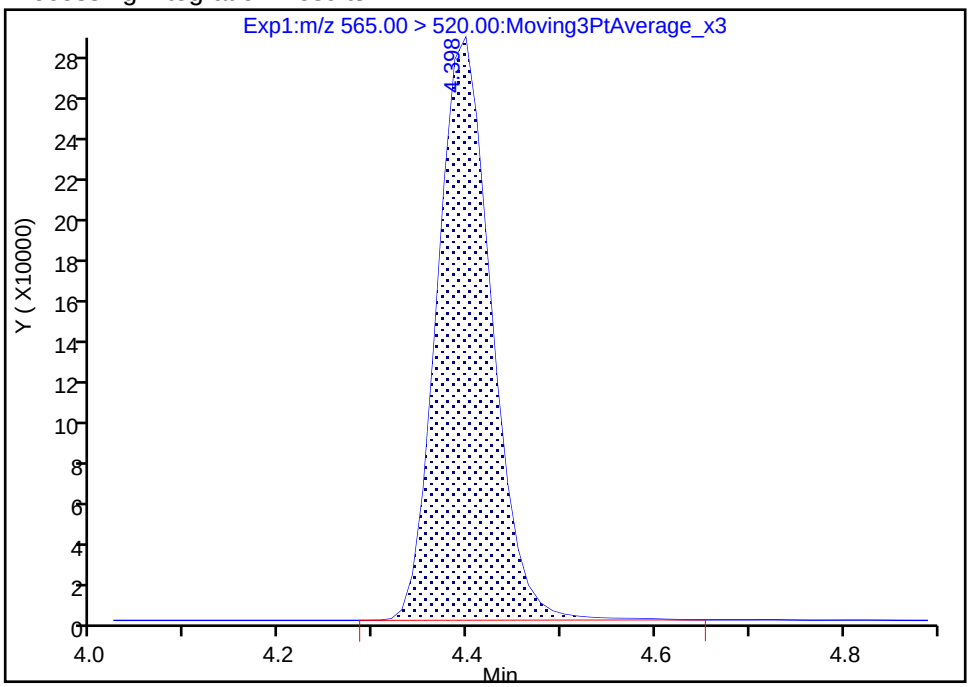
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

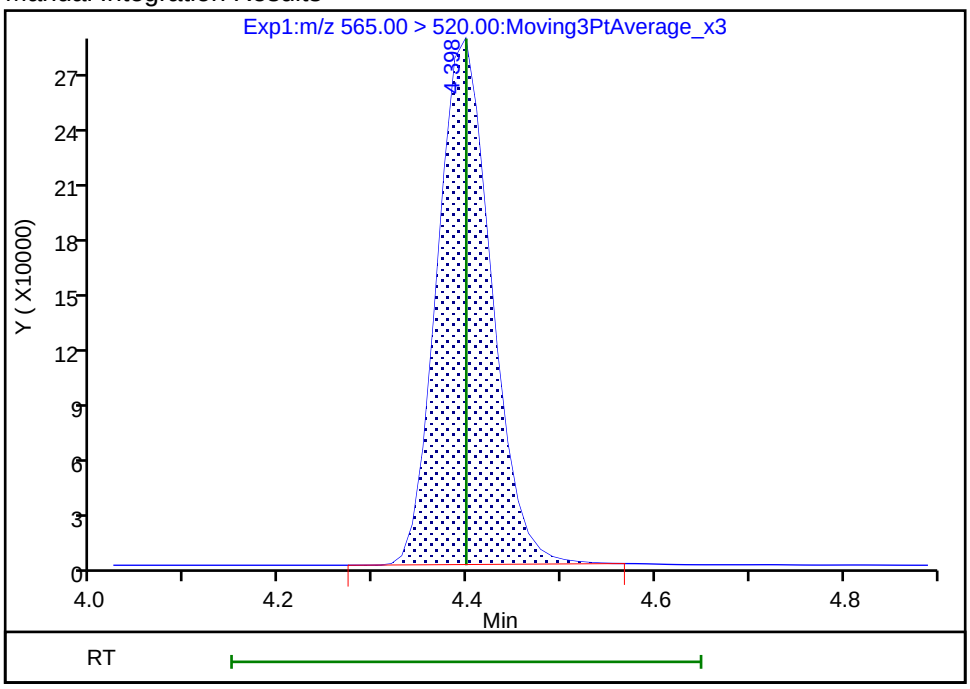
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

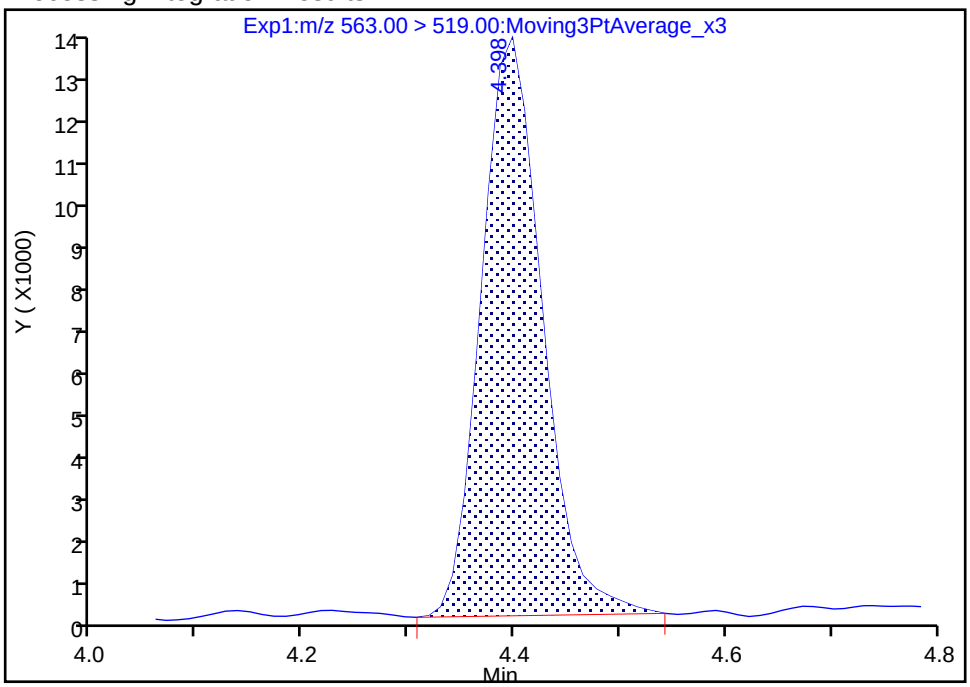
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

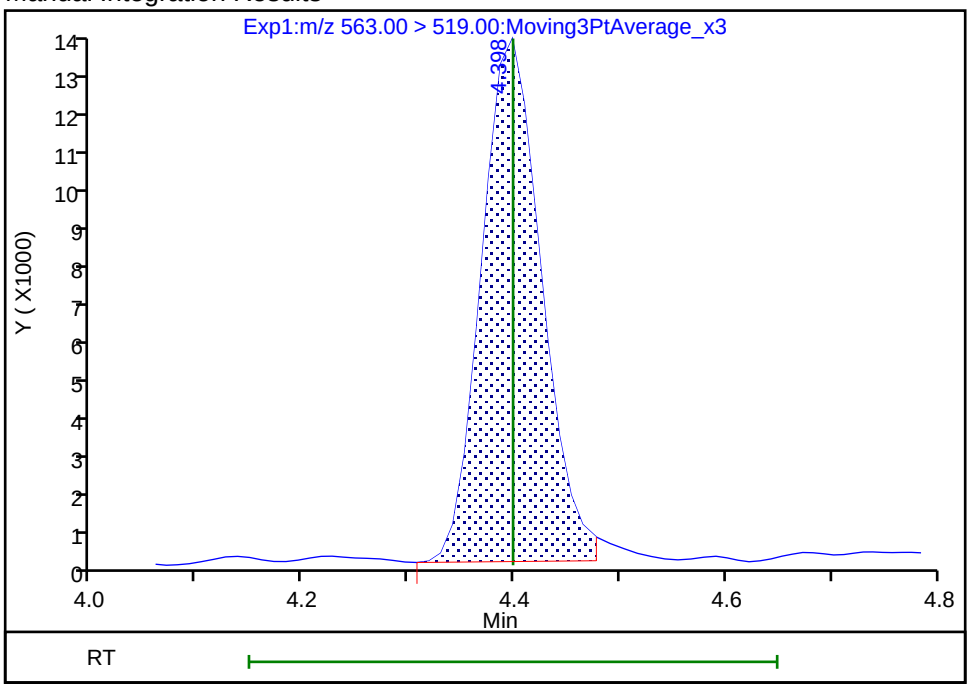
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

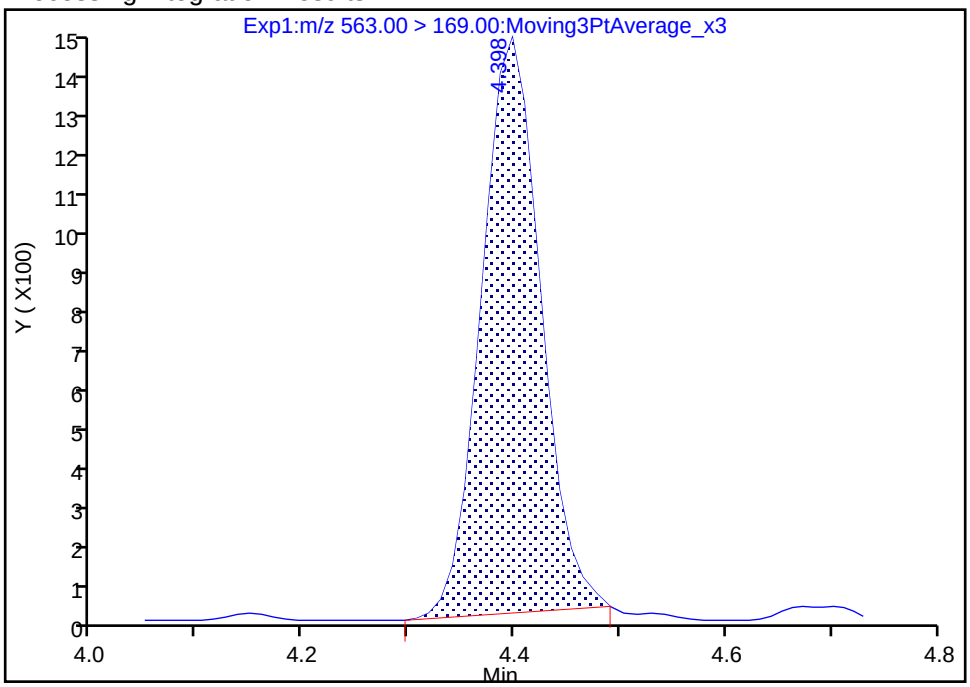
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

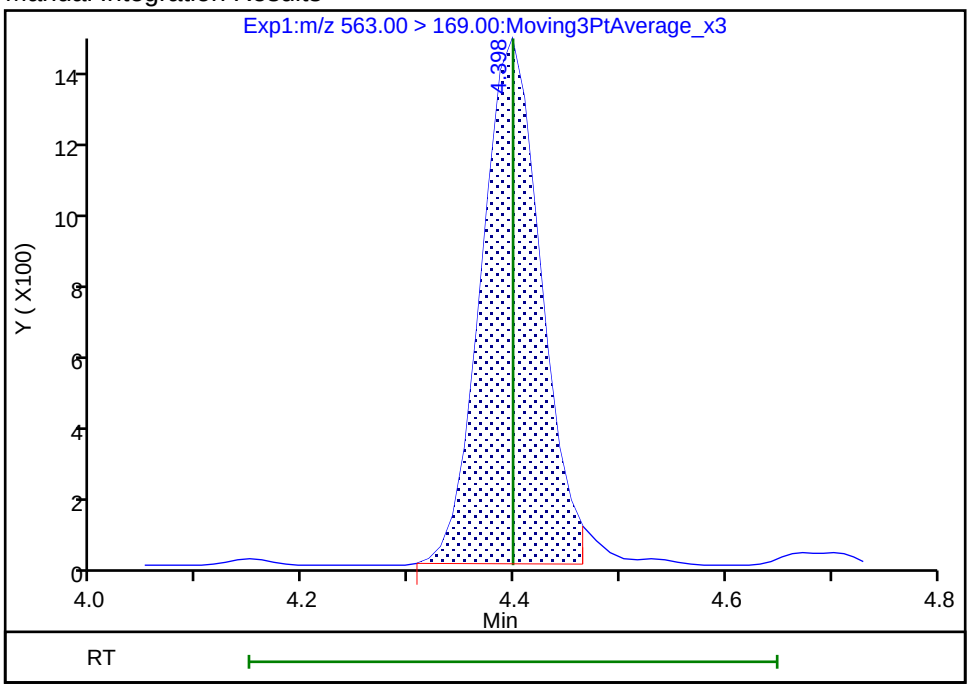
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:22:33
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

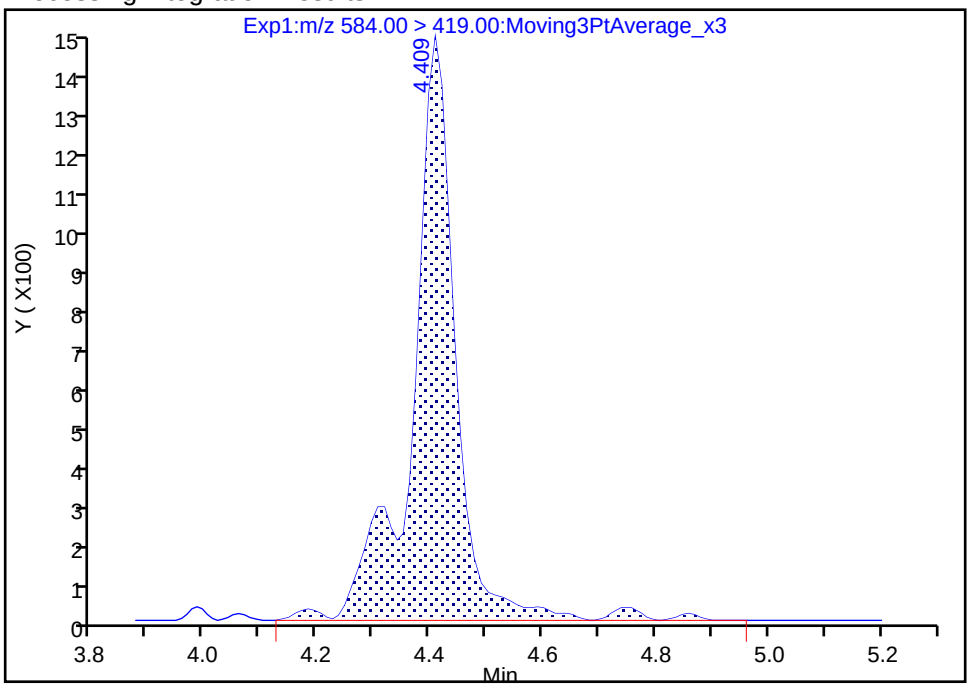
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d				
Injection Date:	03-Aug-2022 13:00:16	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

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

Signal: 1

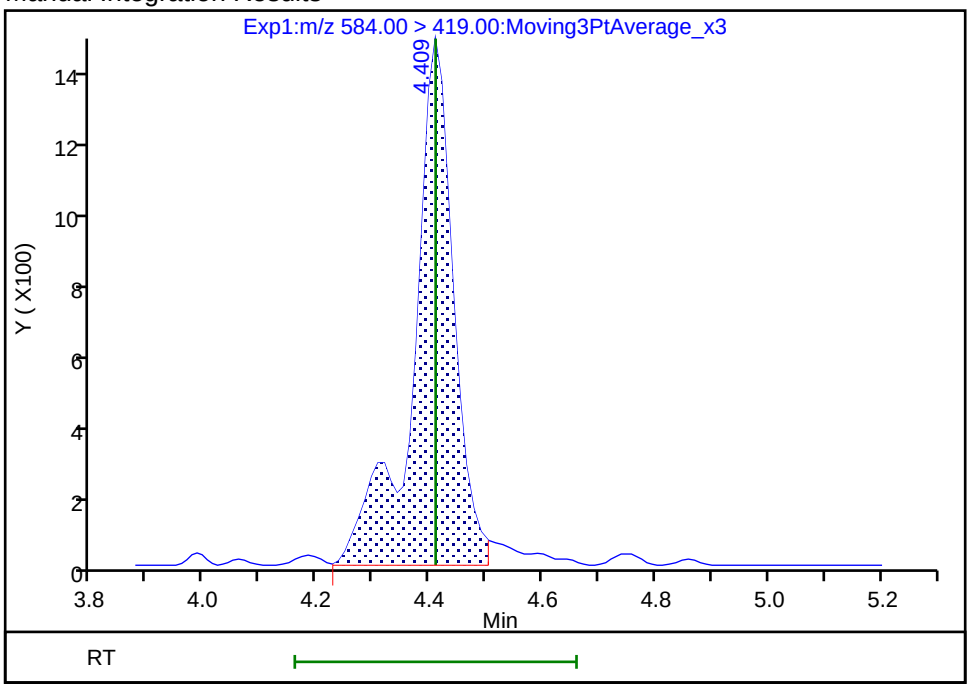
Processing Integration Results

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



Manual Integration Results

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



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

Eurofins Burlington

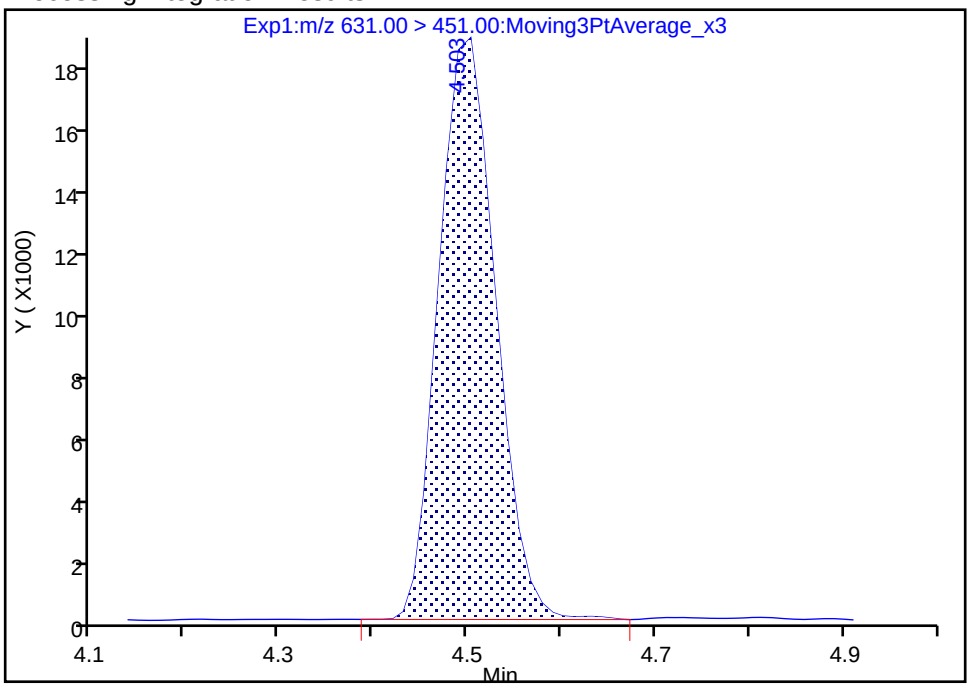
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d				
Injection Date:	03-Aug-2022 13:00:16	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

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

Signal: 1

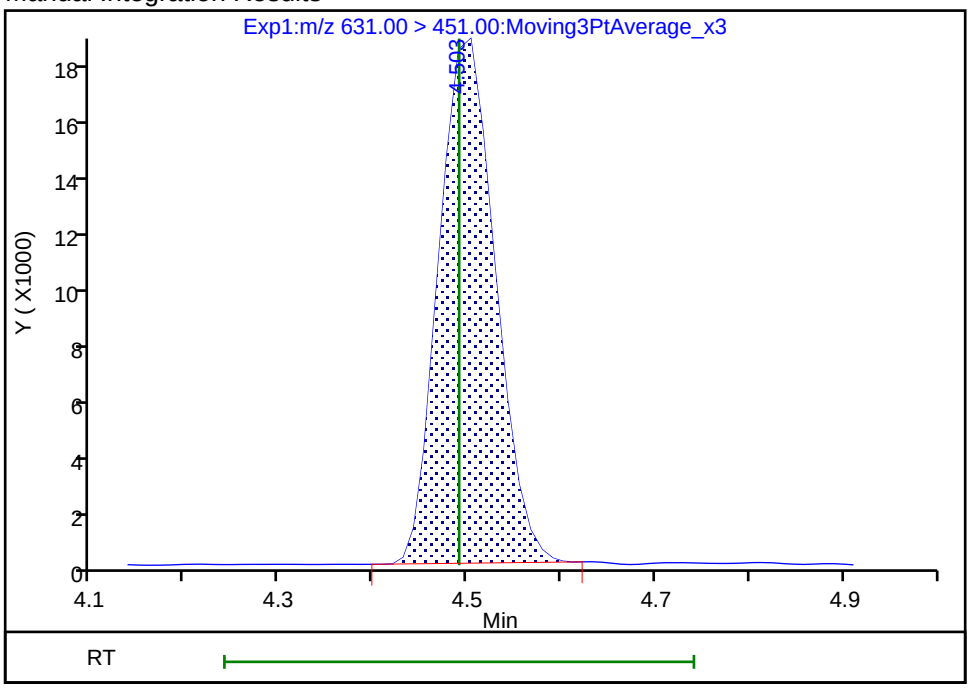
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

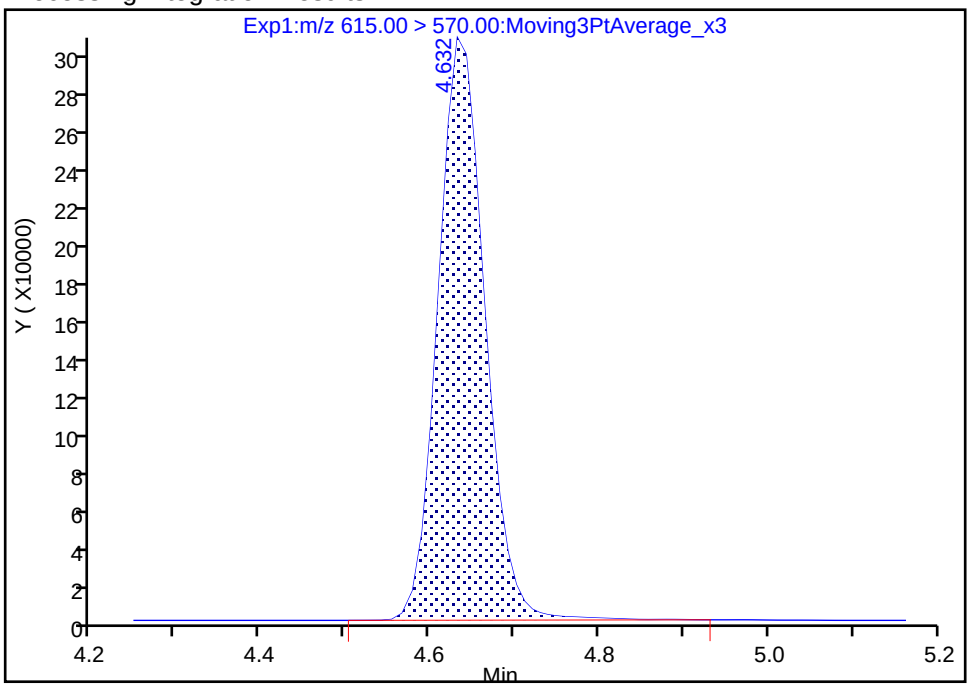
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 36 13C2 PFDoA, CAS: STL00998

Signal: 1

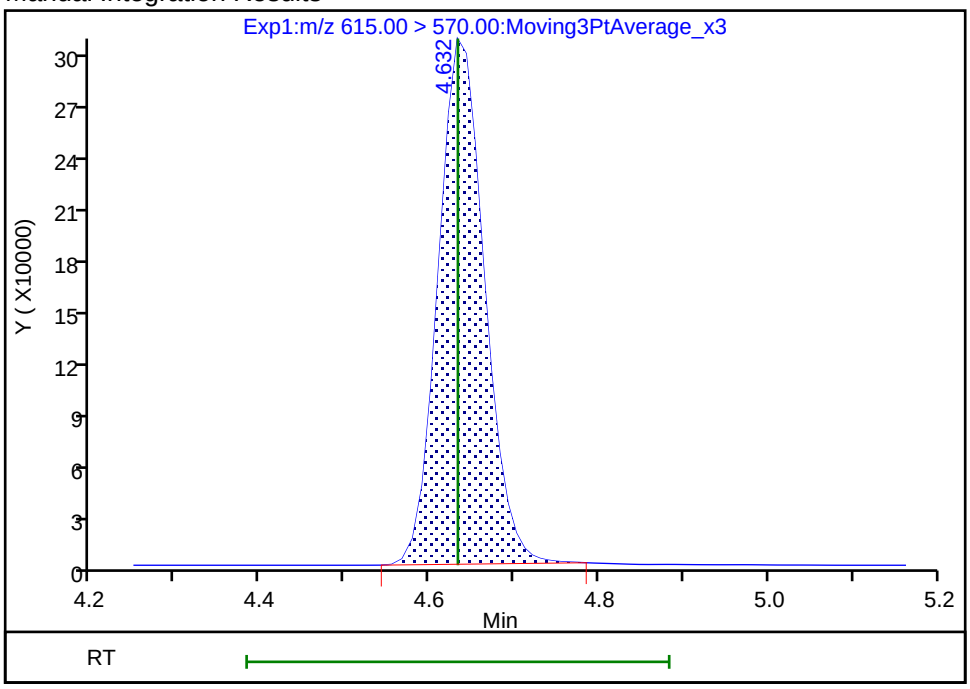
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

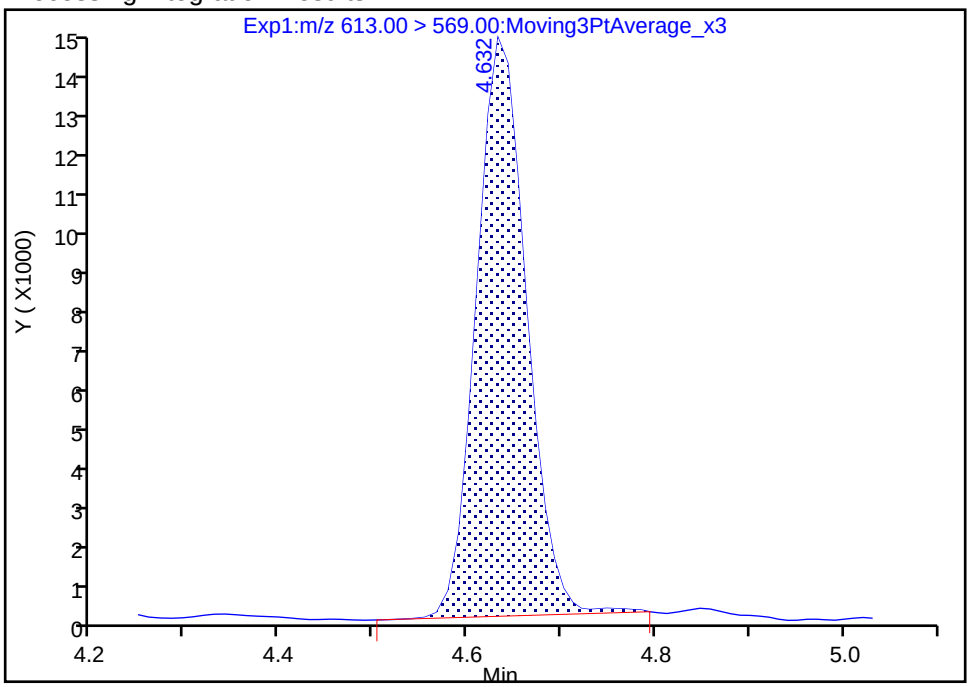
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

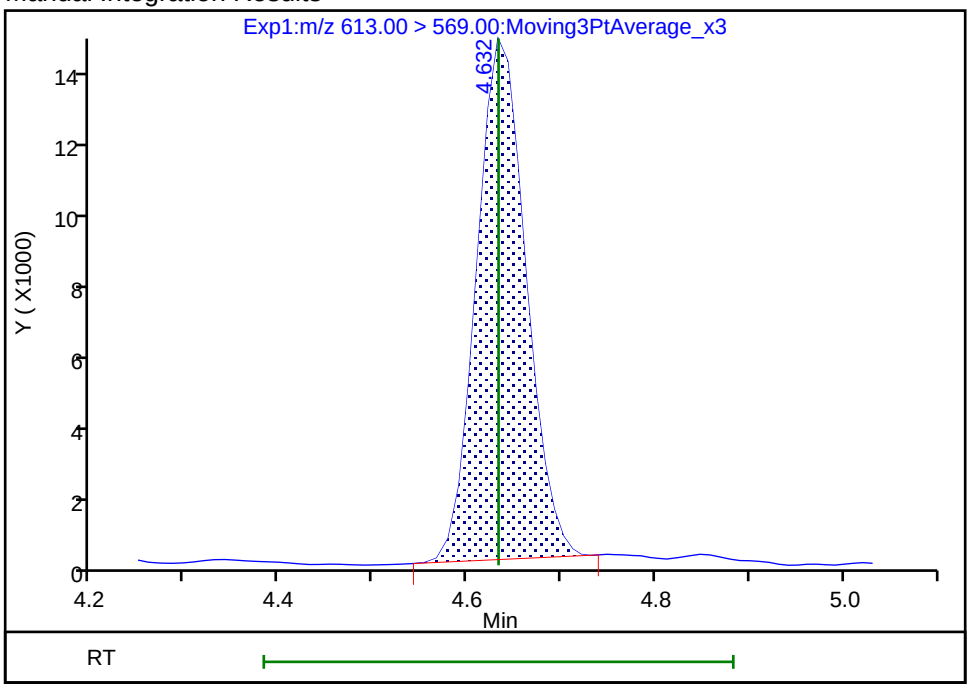
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

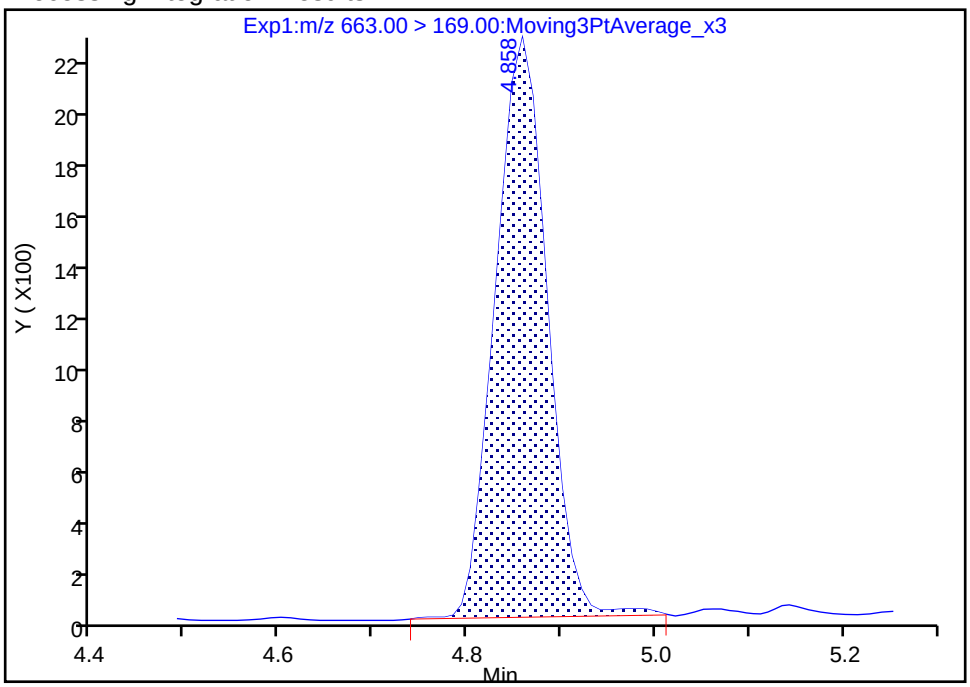
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

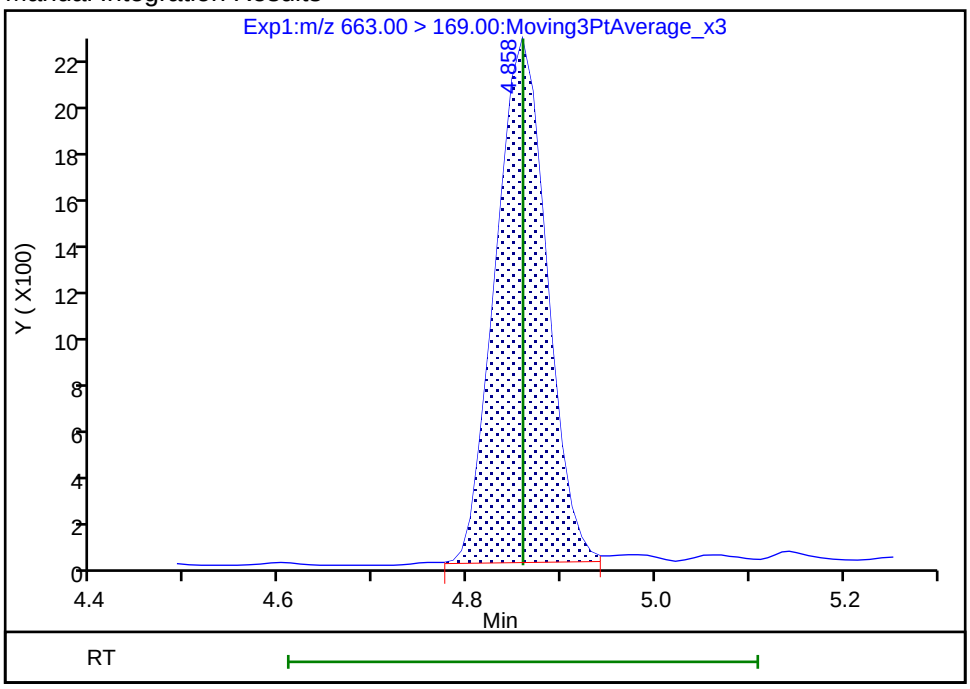
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

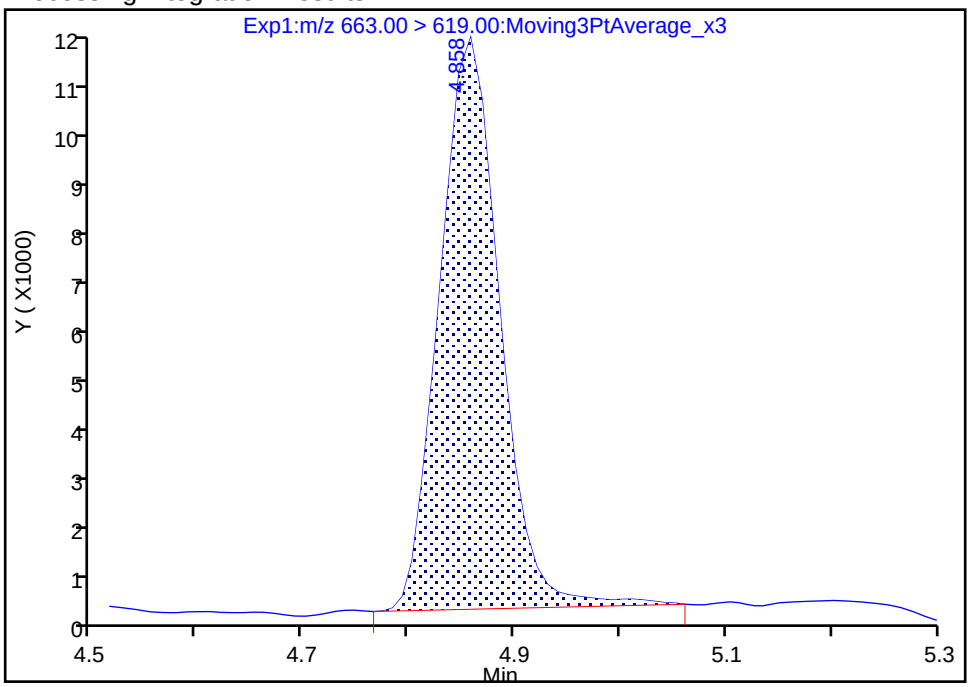
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d				
Injection Date:	03-Aug-2022 13:00:16	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

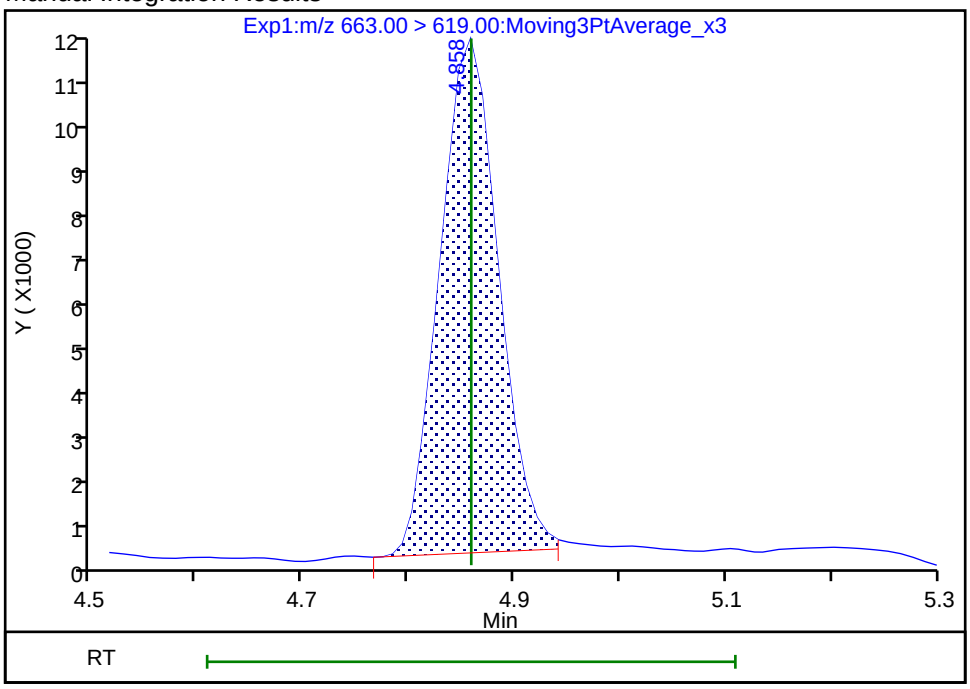
Processing Integration Results

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



Manual Integration Results

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



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

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

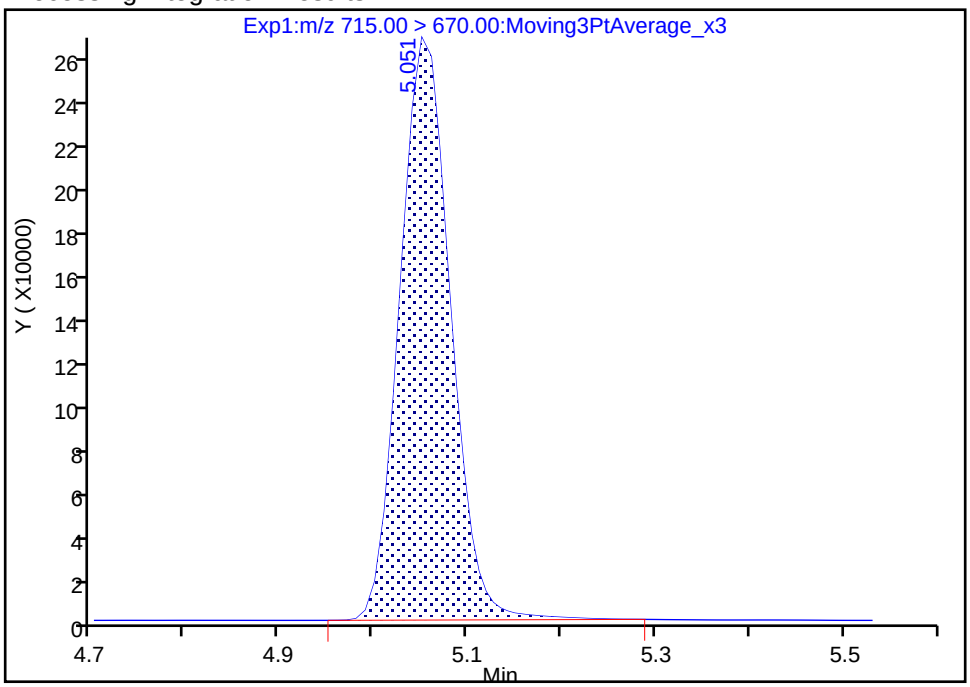
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d				
Injection Date:	03-Aug-2022 13:00:16	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

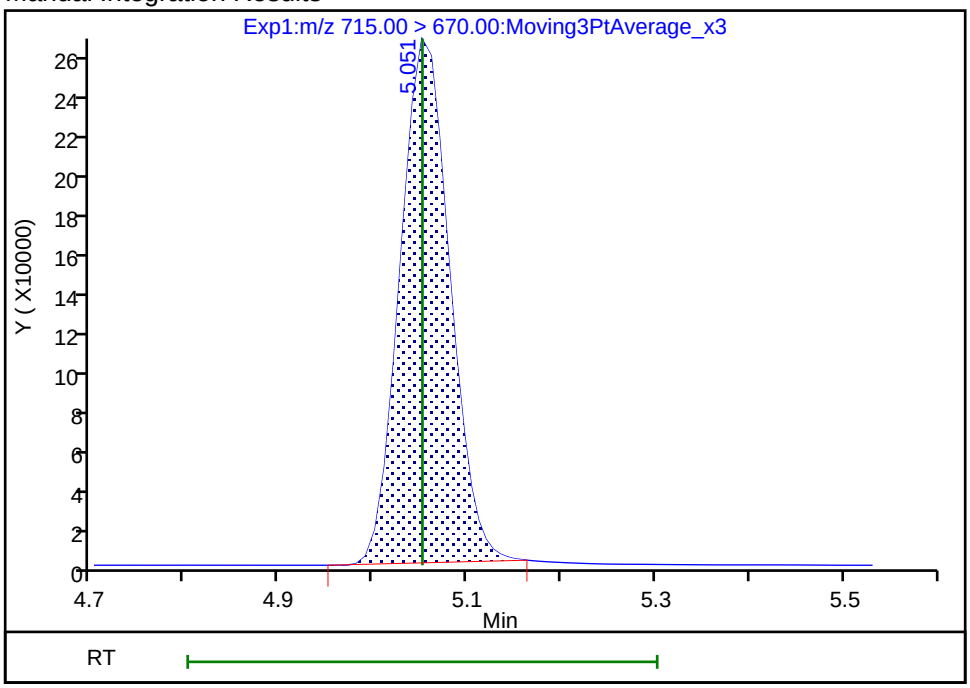
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:25:06

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

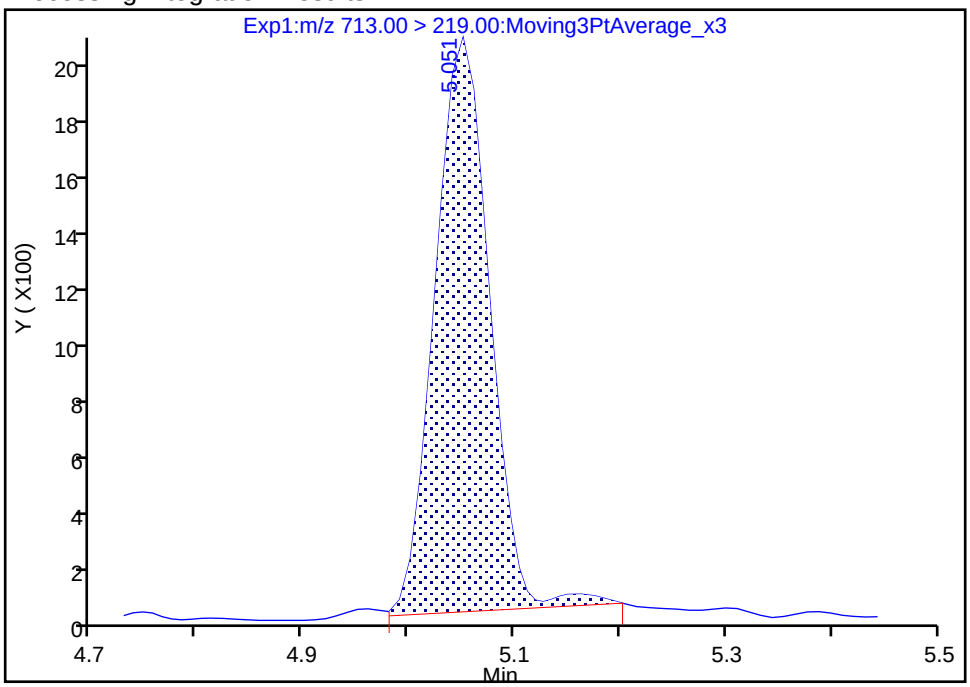
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d				
Injection Date:	03-Aug-2022 13:00:16	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

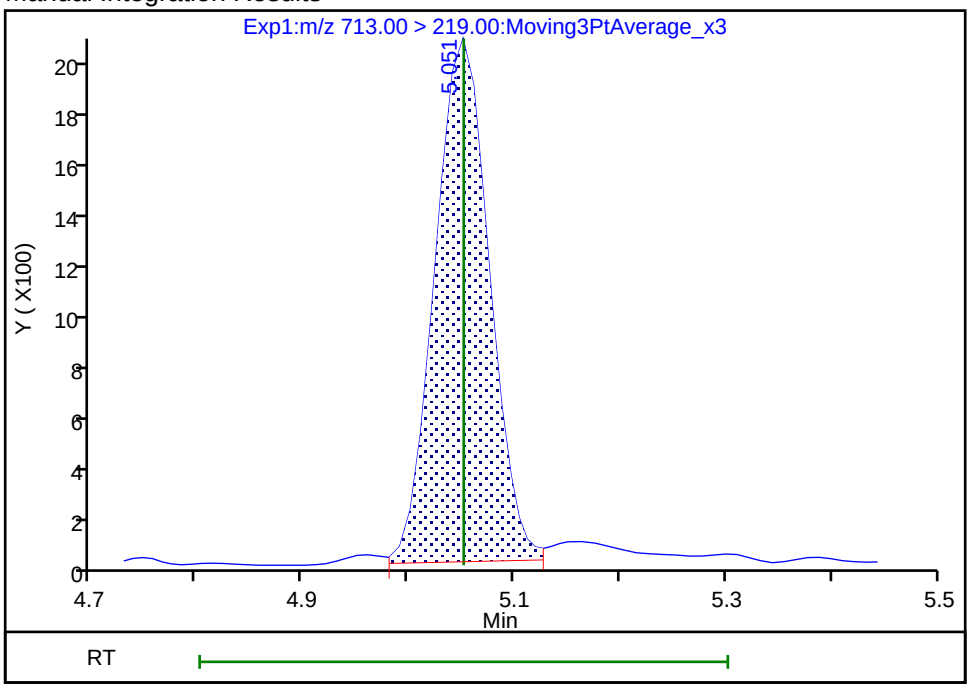
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:24:53

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

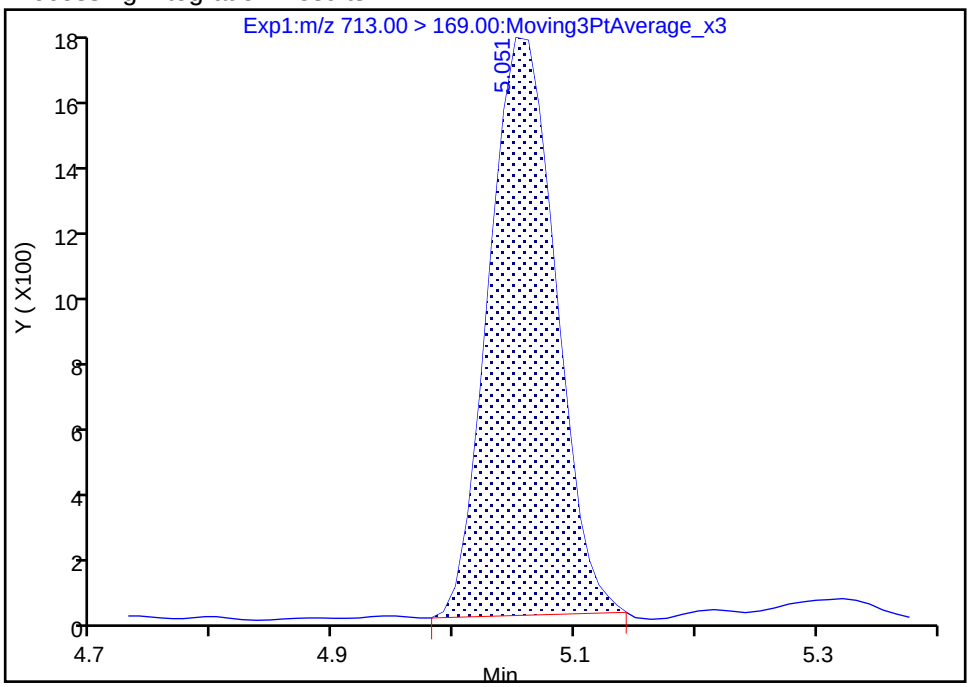
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d				
Injection Date:	03-Aug-2022 13:00:16	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

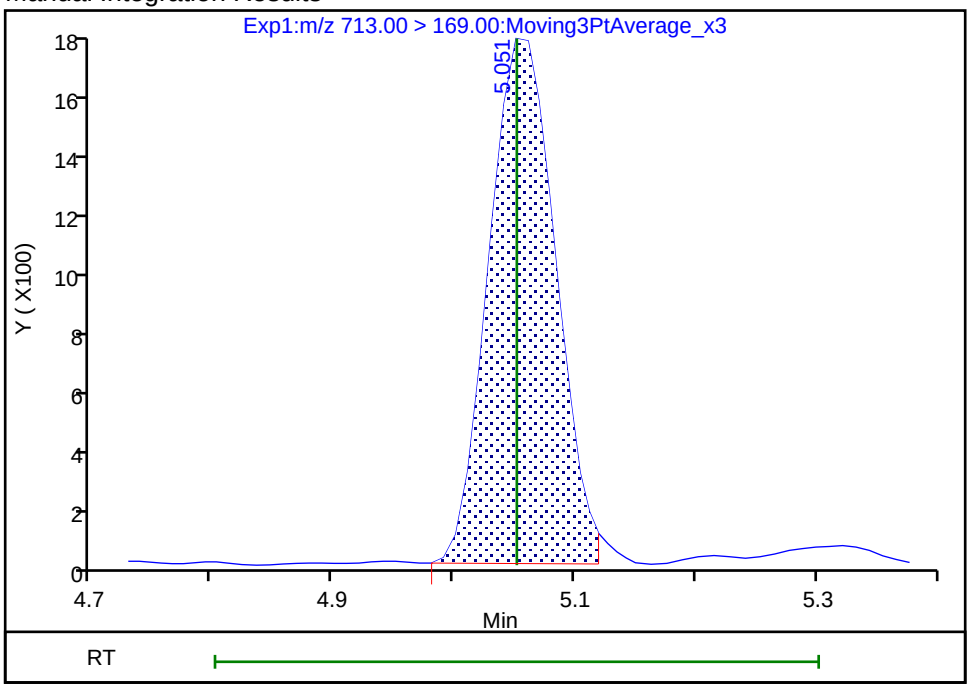
Processing Integration Results

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



Manual Integration Results

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



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

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

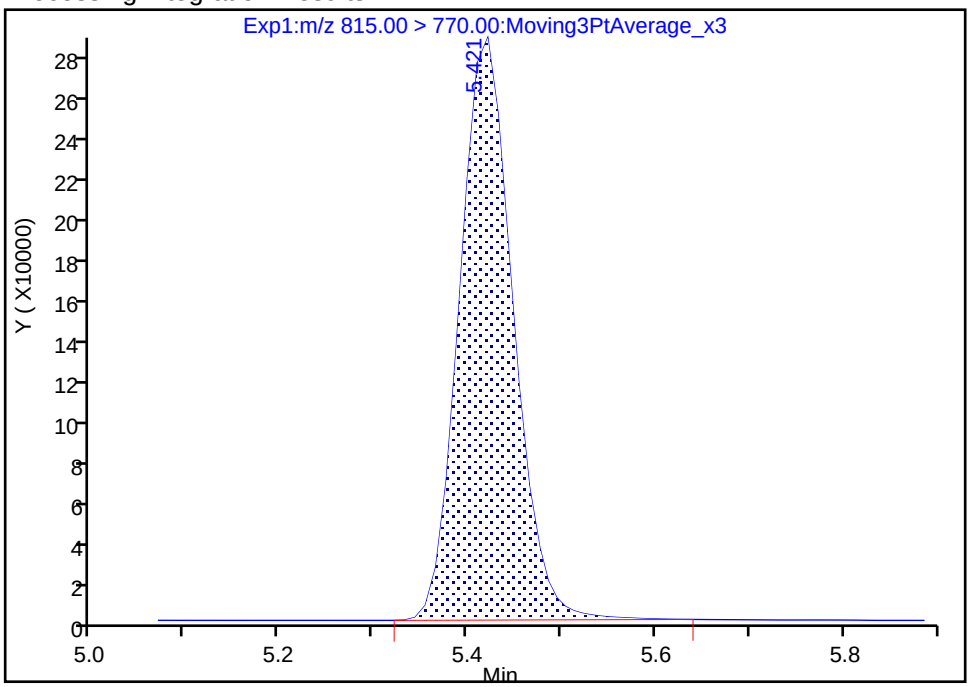
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

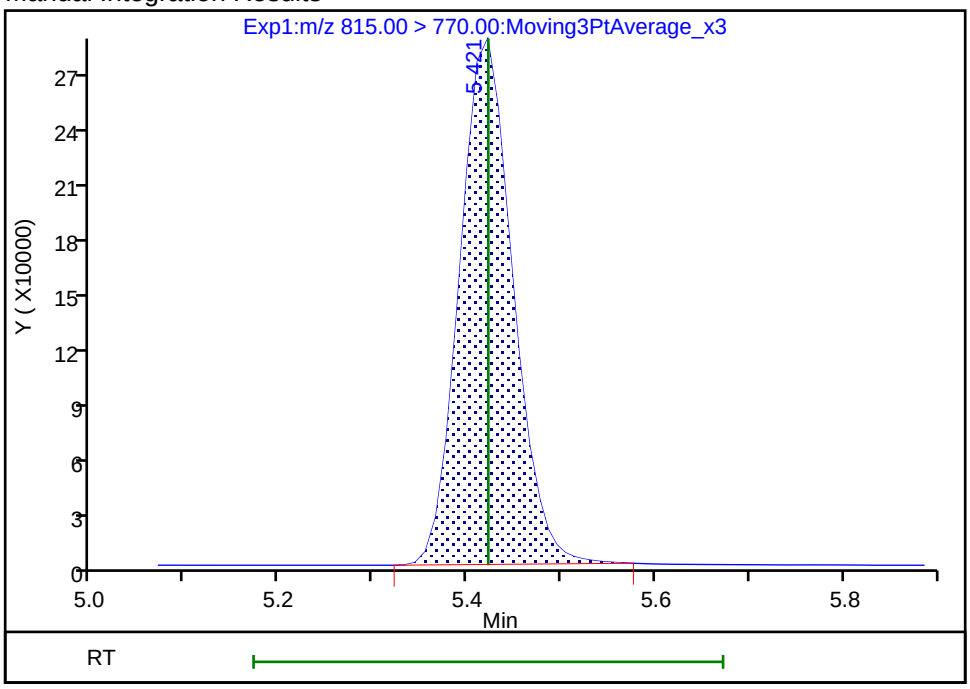
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

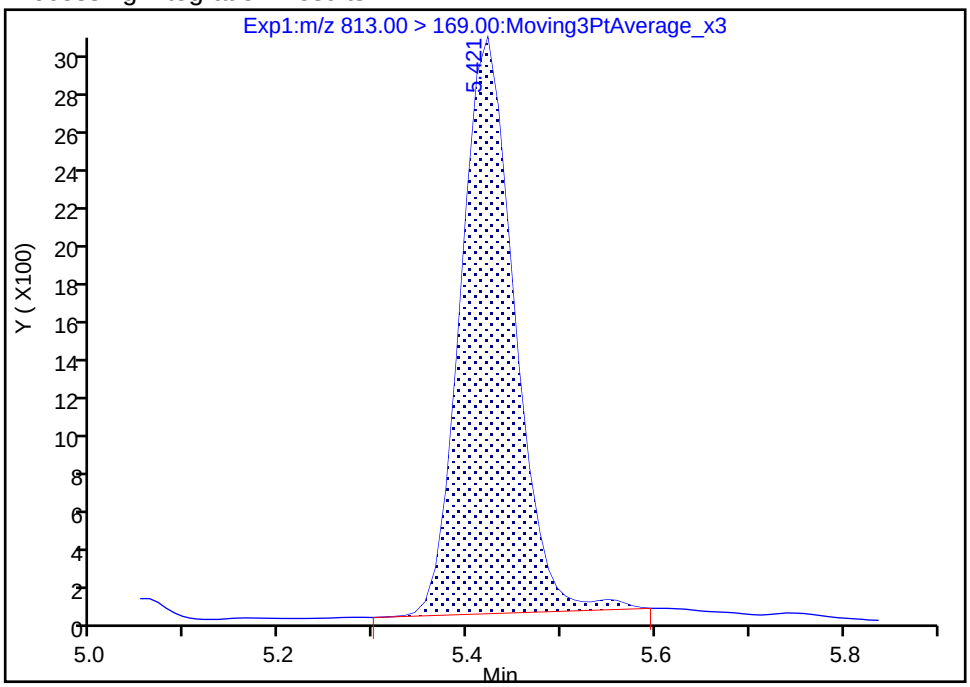
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d				
Injection Date:	03-Aug-2022 13:00:16	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

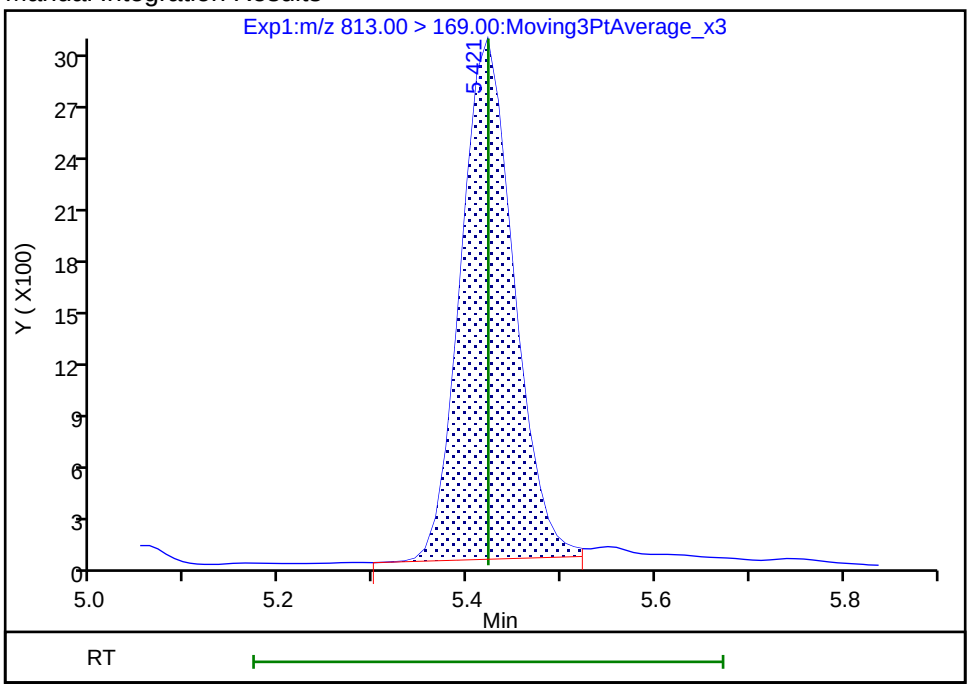
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:25:43

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

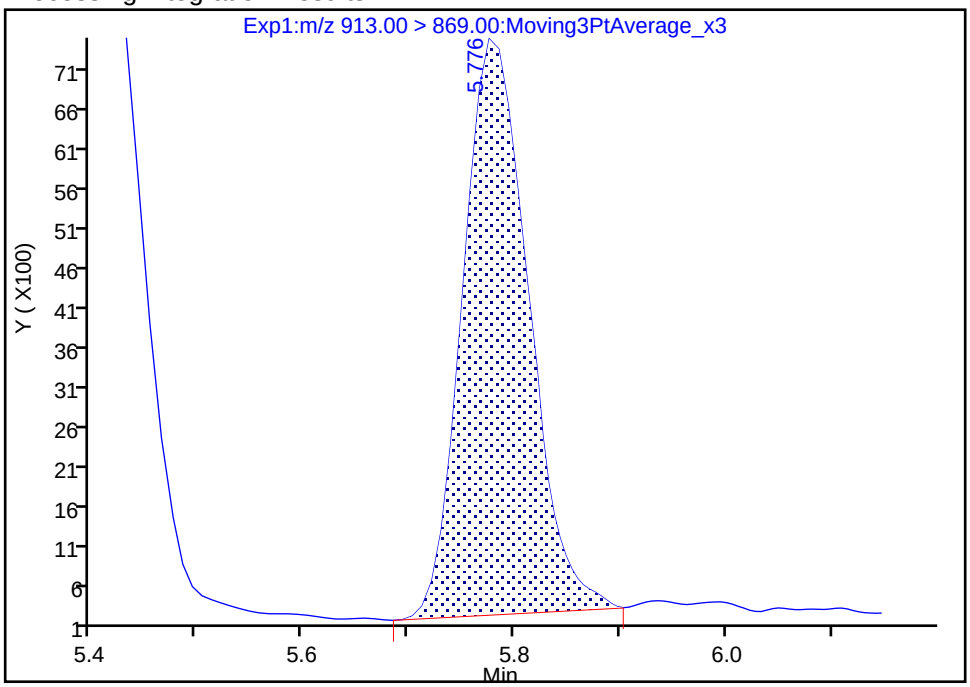
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d
Injection Date: 03-Aug-2022 13:00:16 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

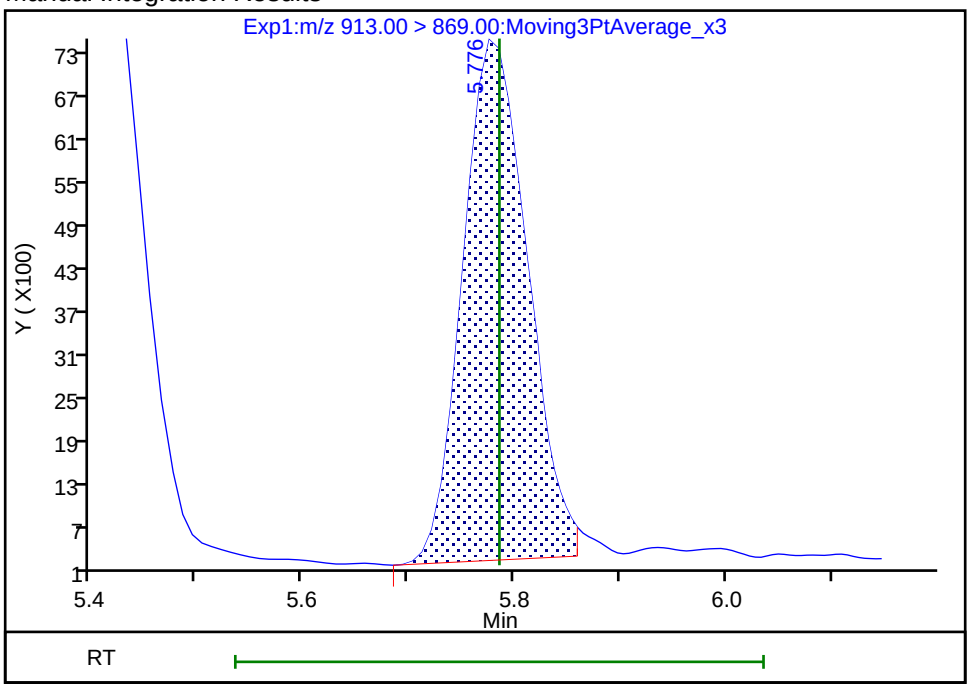
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

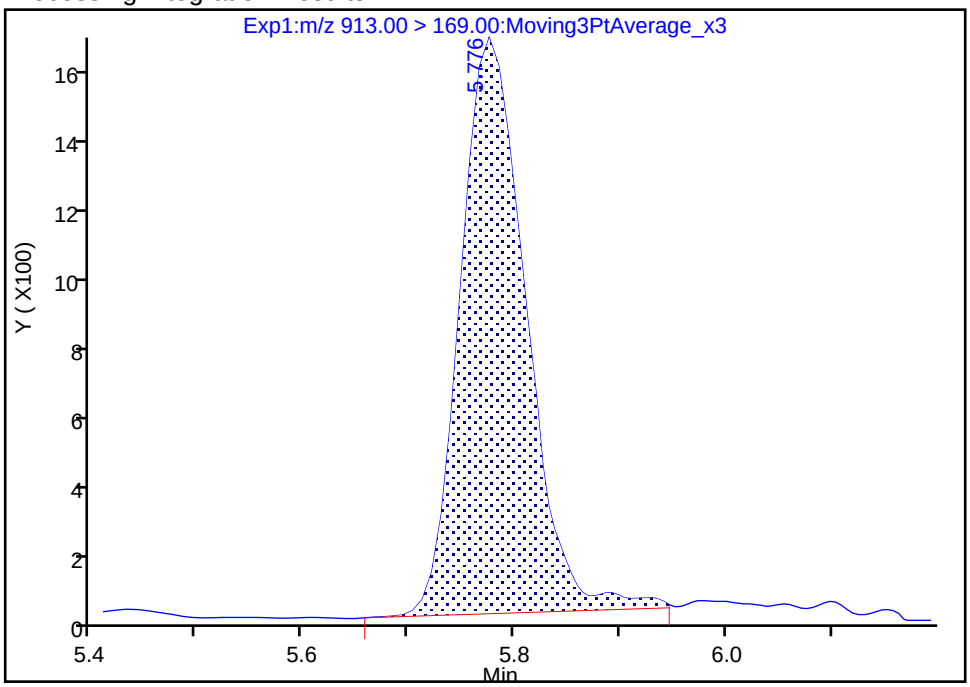
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL05.d				
Injection Date:	03-Aug-2022 13:00:16	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

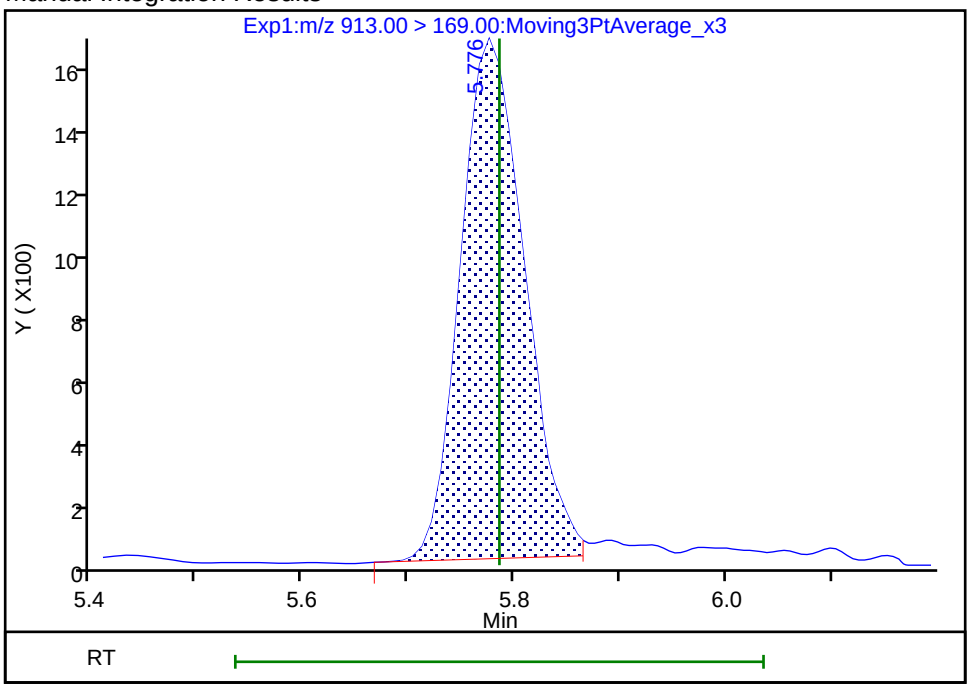
Processing Integration Results

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



Manual Integration Results

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



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

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 03-Aug-2022 13:08:29 ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 200-0051940-006 Plate: 1 Rack: 1
Operator ID: lc812tech Instrument ID: LC812
Sublist: chrom-PFC_LC812*sub3

Method: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 03-Aug-2022 14:25:07 Calib Date: 03-Aug-2022 13:41:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1672

First Level Reviewer: Z1IP Date: 03-Aug-2022 13:38:54
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.076	2.085	-0.009	0.598	1889069	1.28		103	11099	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.085	0.0	1.004	154590	0.1055		105	19.9	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.387	2.400	-0.013	0.687	1467520	1.30		104	3282	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.400	2.400	0.0	1.006	126653	0.1046		105	5.5	
D 47 13C3 PFBS										
301.90 > 80.00	2.413	2.413	0.0	0.695	1552604	1.18		102	241526	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.413	2.413	0.0	1.000	137298	0.0931	Target=2.18	105	169	
298.90 > 99.00	2.413	2.413	0.0	1.000	61327		2.24(1.09-3.28)	105	53.3	
D 60 M2-4:2 FTS										
329.00 > 81.00	2.713	2.713	0.0	0.781	135136	1.20		103	157	
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.713	2.713	0.0	1.000	26836	0.0975		104	440	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.750	2.750	0.0	1.000	123840	0.1083	Target=12.37	108	31.1	M
313.00 > 119.00	2.750	2.750	0.0	1.000	8345		14.84(6.19-18.56)	108	14.0	M
D 7 13C2 PFHxA										M
315.00 > 270.00	2.750	2.750	0.0	0.792	1370007	1.21		96.9	1694	M
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.750	2.762	-0.012	0.881	111806	0.0965	Target=3.00	103	240	
349.00 > 99.00	2.750	2.762	-0.012	0.881	38880		2.88(1.50-4.50)	103	112	
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.859	2.859	0.0	0.823	270250	1.27		102	2019	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.859	2.859	0.0	1.000	23635	0.1017		102	275	M
D 9 13C4 PFHpA										M
367.00 > 322.00	3.121	3.121	0.0	0.898	1436597	1.22		97.9	1843	M
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.121	3.121	0.0	1.000	125739	0.1062	Target=3.68	106	41.1	M
363.00 > 169.00	3.121	3.121	0.0	1.000	33556		3.75(1.84-5.52)	106	65.8	M
D 11 18O2 PFHxS										M
403.00 > 84.00	3.121	3.121	0.0	0.898	1056649	1.15		96.9	1565	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.121	3.121	0.0	1.000	93371	0.0947	Target=3.52	104	212	M
399.00 > 99.00	3.121	3.121	0.0	1.000	26787		3.49(1.76-5.27)	104	37.5	M
77 DONA										
377.00 > 251.00	3.154	3.165	-0.011	0.832	288123	0.0994	Target=2.78	106	579	
377.00 > 85.00	3.154	3.165	-0.011	0.832	100310		2.87(1.39-4.17)	106	179	
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.465	3.474	-0.009	0.997	181082	1.17		98.8	371	M
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.465	3.474	-0.009	1.000	25321	0.0971		102	84.8	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.465	3.474	-0.009	0.914	83914	0.0965	Target=4.99	101	329	M
449.00 > 99.00	3.465	3.474	-0.009	0.914	18089		4.64(2.50-7.49)	101	108	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.474	3.482	-0.008	1.000	141576	0.1018	Target=2.64	102	18.3	M
413.00 > 169.00	3.483	3.482	0.001	1.003	53235		2.66(1.32-3.96)	102	123	M
D 14 13C4 PFOA										M
417.00 > 372.00	3.474	3.482	-0.008	1.000	1549546	1.29		103	2023	M
* 62 13C2 PFOA										M
415.00 > 370.00	3.474	3.482	-0.008		1577768	1.25			2013	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.793	3.802	-0.010	1.000	77581	0.0924	Target=4.77	99.5	58.3	M
499.00 > 99.00	3.793	3.802	-0.010	1.000	16176		4.80(2.38-7.15)	99.5	65.3	M
D 18 13C4 PFOS										M
503.00 > 80.00	3.793	3.802	-0.010	1.092	840757	1.22		102	1987	M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.812	3.822	-0.010	1.000	132027	0.1012	Target=7.92	101	51.2	
463.00 > 169.00	3.812	3.822	-0.010	1.000	17042		7.75(3.96-11.88)	101	176	M
D 19 13C5 PFNA										M
468.00 > 423.00	3.812	3.822	-0.010	1.097	1602191	1.28		103	1979	M
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.960	3.969	-0.009	1.044	119561	0.0962		103	925	
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.093	4.093	0.0	1.079	55980	0.1016	Target=2.52	106	423	
549.00 > 99.00	4.093	4.093	0.0	1.079	20056		2.79(1.26-3.78)	106	122	M
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.127	4.127	0.0	1.000	17191	0.0961		100	166	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.116	4.127	-0.011	1.000	131103	0.0979	Target=9.74	97.9	84.2	M
513.00 > 169.00	4.116	4.127	-0.011	1.000	14057		9.33(4.87-14.60)	97.9	92.1	M
D 23 13C2 PFDA										M
515.00 > 470.00	4.116	4.127	-0.011	1.185	1591995	1.31		105	1333	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.127	4.138	-0.011	1.188	221797	1.19		99.7	950	
D 21 13C8 FOSA										M
506.00 > 78.00	4.173	4.173	0.0	1.201	1346274	1.27		101	1456	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.173	4.173	0.0	1.000	119896	0.1092		109	487	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.262	4.273	-0.011	1.000	13734	0.0963		96.3	53.4	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.262	4.273	-0.011	1.227	200758	1.23		98.6	1013	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.366	4.365	0.001	1.151	40369	0.0985	Target=2.62	102	372	
599.00 > 99.00	4.366	4.365	0.001	1.151	14326		2.82(1.31-3.93)	102	144	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.388	4.399	-0.011	1.263	1204305	1.31		105	1508	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.388	4.399	-0.011	1.000	102072	0.1000	Target=8.83	100	91.7	
563.00 > 169.00	4.388	4.399	-0.011	1.000	11981		8.52(4.41-13.24)	100	168	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.400	4.410	-0.010	1.000	14911	0.1073		107	152	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.400	4.410	-0.010	1.266	191350	1.24		99.3	855	
66 11-Chloroeicosafluoro-3-oxaundec										
631.00 > 451.00	4.492	4.491	0.001	1.184	155503	0.0961		102	864	
D 36 13C2 PFDoA										M
615.00 > 570.00	4.633	4.633	0.0	1.334	1231772	1.29		103	1843	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.633	4.633	0.0	1.000	100780	0.1008	Target=6.63	101	17.6	M
613.00 > 169.00	4.633	4.633	0.0	1.000	15506		6.50(3.32-9.95)	101	281	M
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.654	4.654	0.0	1.128	8639	0.1034		107	235	
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.812	4.813	-0.001	1.269	17866	0.0982	Target=0.54	101	334	
699.00 > 99.00	4.812	4.813	-0.001	1.269	33321		0.54(0.27-0.81)	101	562	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.848	4.859	-0.011	1.046	86868	0.1003	Target=4.62	100	16.2	M
663.00 > 169.00	4.848	4.859	-0.011	1.046	19158		4.53(2.31-6.94)	100	128	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.052	5.052	0.0	1.454	974562	1.25		100	1410	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.052	5.052	0.0	1.000	12683	0.1015	Target=0.94	102	142	
713.00 > 219.00	5.042	5.052	-0.010	0.998	13008		0.98(0.47-1.41)	102	143	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.411	5.422	-0.011	1.000	98813	0.1008	Target=4.40	101	23.4	
813.00 > 169.00	5.411	5.422	-0.011	1.000	22226		4.45(2.20-6.59)	101	181	
D 44 13C2 PFHxDA										M
815.00 > 770.00	5.411	5.422	-0.011	1.558	1136259	1.28		102	2164	M
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.776	5.786	-0.010	1.068	64267	0.1063	Target=4.42	106	20.1	M
913.00 > 169.00	5.776	5.786	-0.010	1.068	14493		4.43(2.21-6.63)	106	119	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

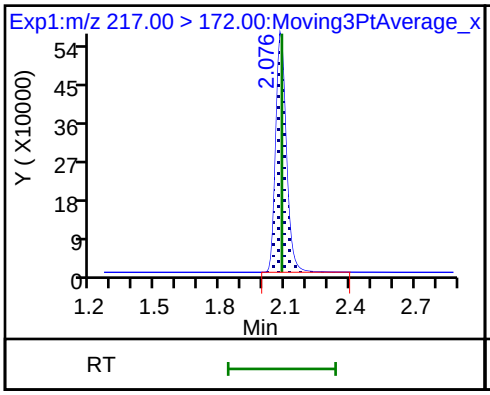
PFAS32NCIC2_00012 Amount Added: 100.00 Units: uL

Report Date: 03-Aug-2022 14:25:07 Chrom Revision: 2.3 29-Jul-2022 15:21:48

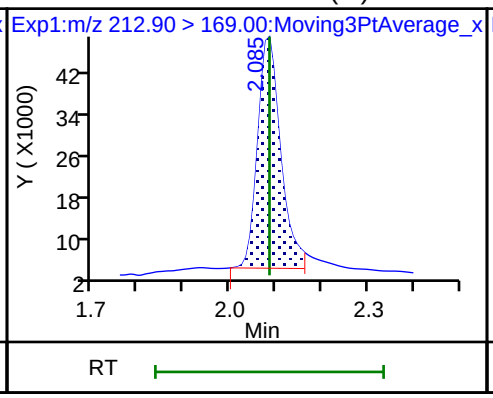
Eurofins Burlington

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

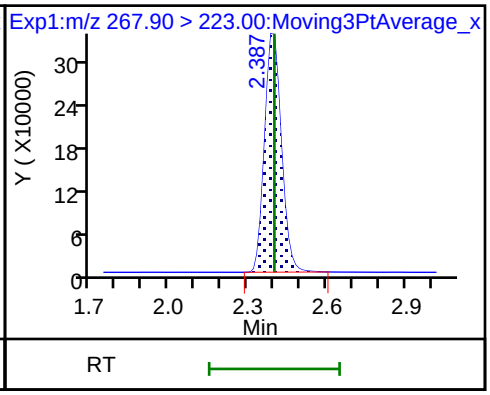
D 1 13C4 PFBA



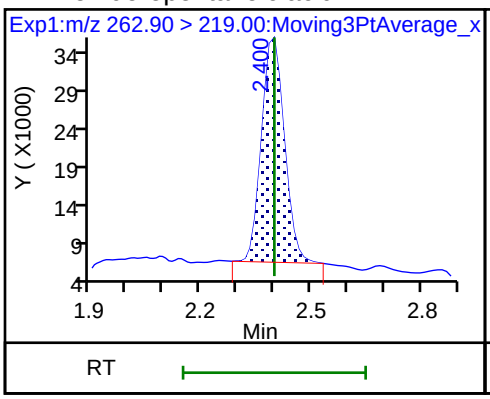
2 Perfluorobutanoic acid (M)



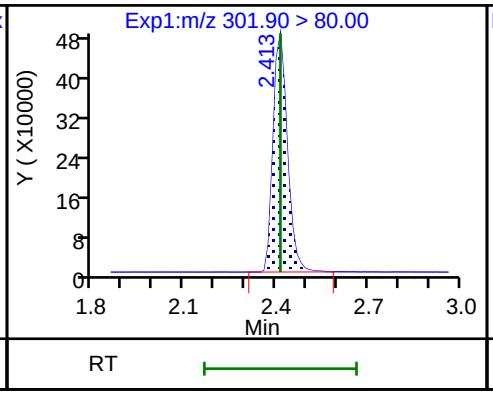
D 3 13C5 PFPeA



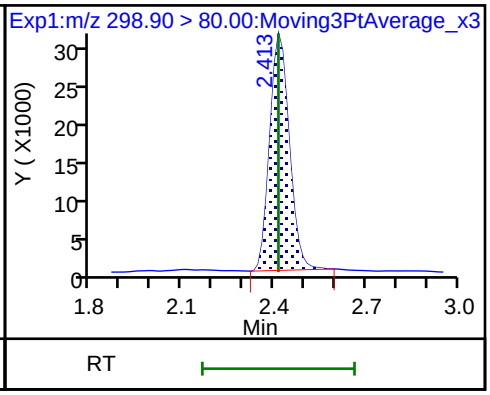
4 Perfluoropentanoic acid



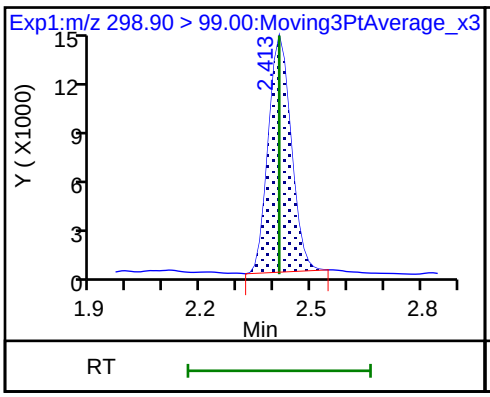
D 47 13C3 PFBS



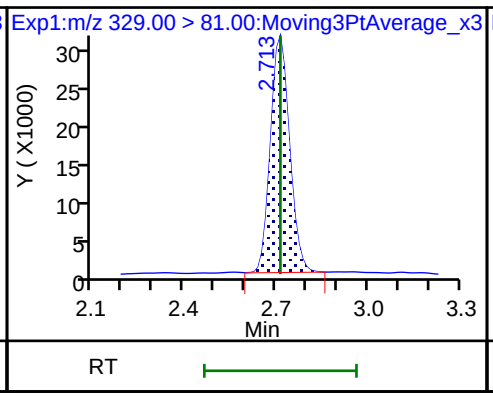
5 Perfluorobutanesulfonic acid



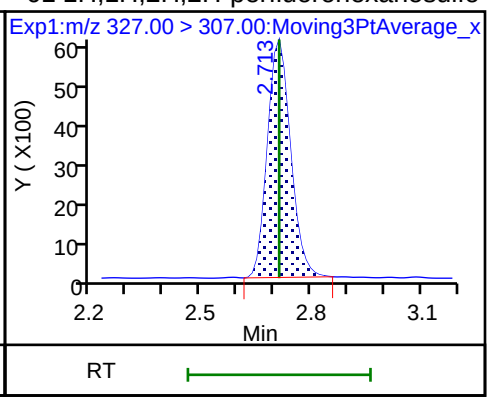
5 Perfluorobutanesulfonic acid



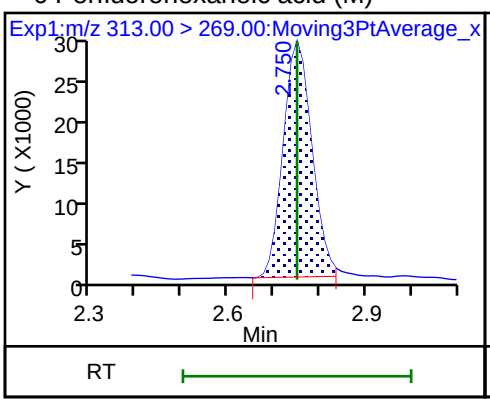
D 60 M2-4:2 FTS



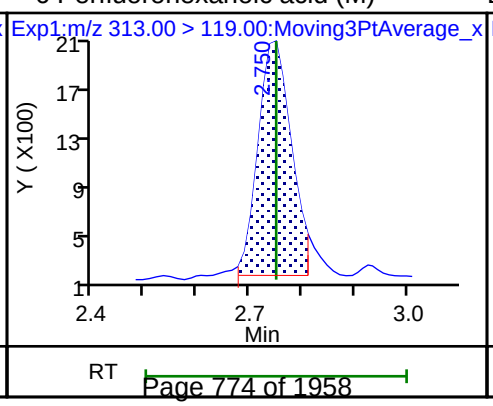
61 1H,1H,2H,2H-perfluorohexanesulfo



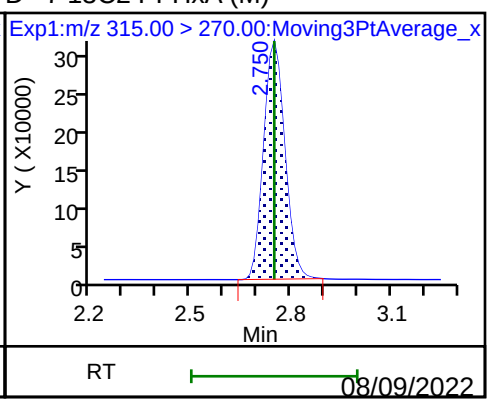
6 Perfluorohexanoic acid (M)



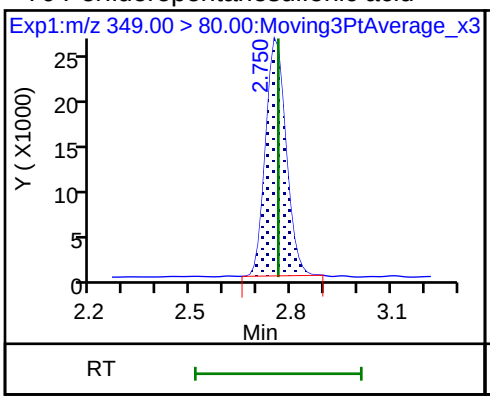
6 Perfluorohexanoic acid (M)



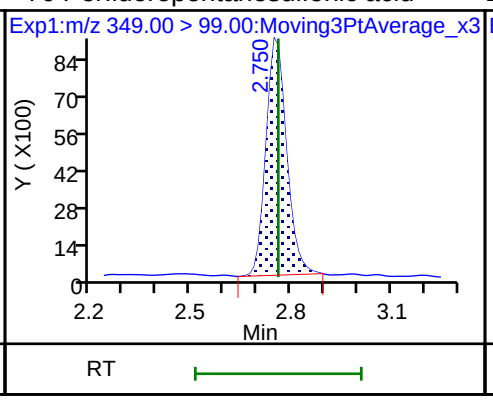
D 7 13C2 PFHxA (M)



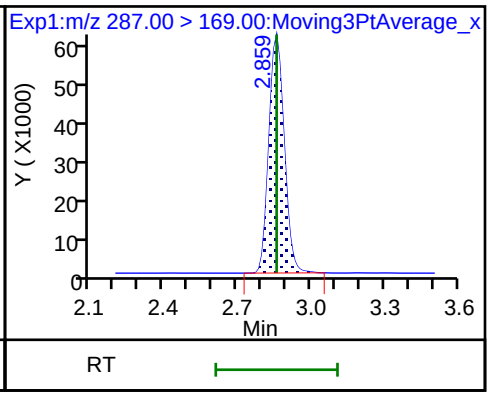
70 Perfluoropentanesulfonic acid



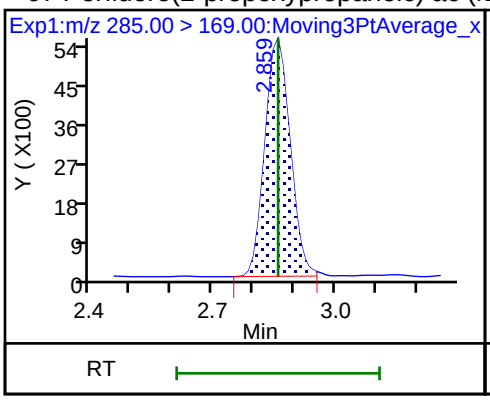
70 Perfluoropentanesulfonic acid



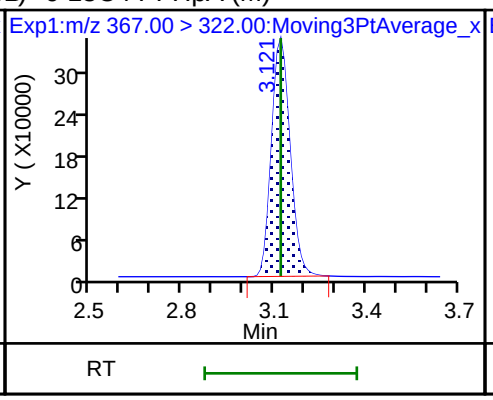
D 64 13C3 HFPO-DA



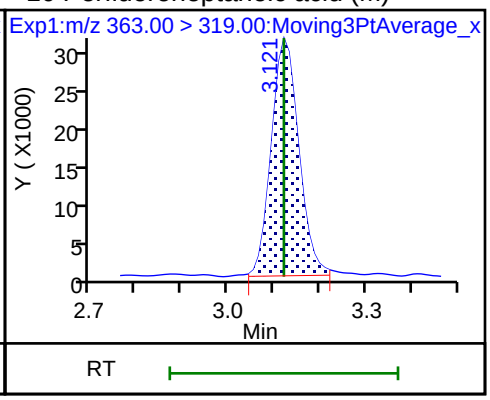
67 Perfluoro(2-propoxypropanoic) ac (M)



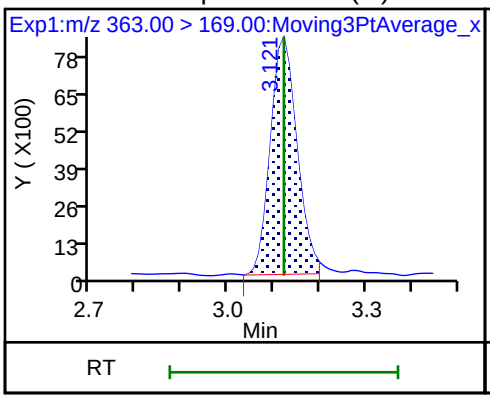
D 9 13C4 PFHpA (M)



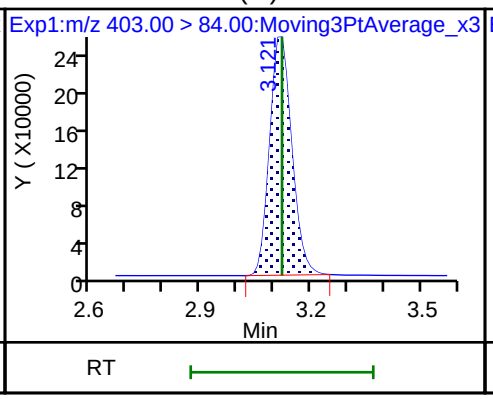
10 Perfluoroheptanoic acid (M)



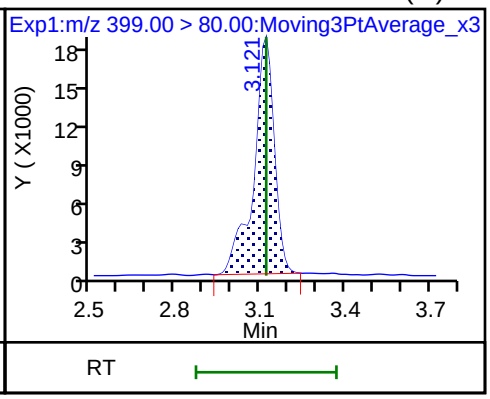
10 Perfluoroheptanoic acid (M)



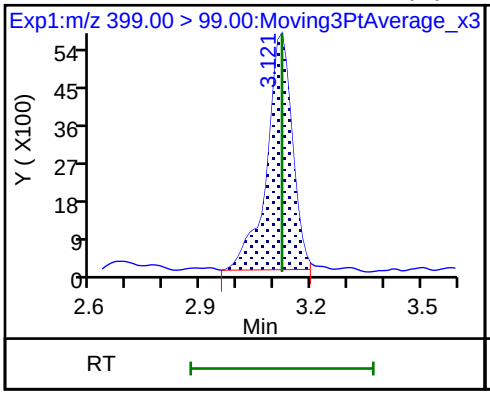
D 11 18O2 PFHxS (M)



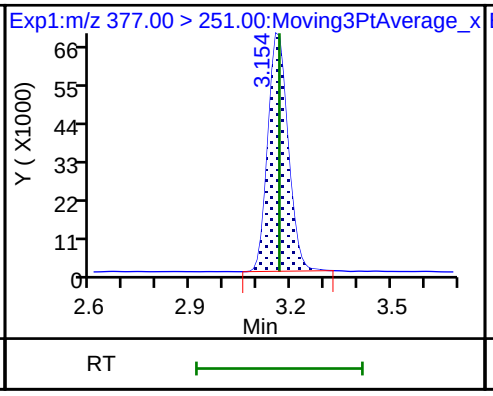
8 Perfluorohexanesulfonic acid (M)



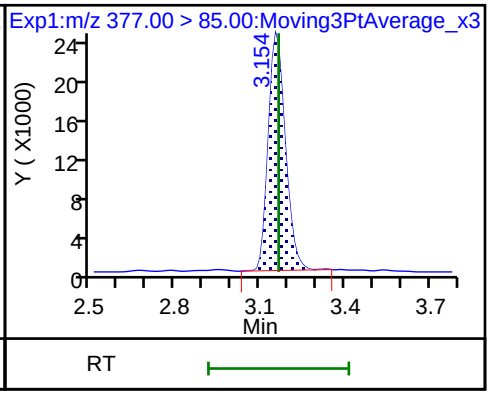
8 Perfluorohexanesulfonic acid (M)



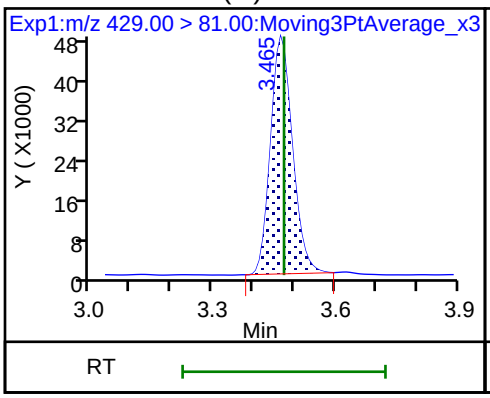
77 DONA



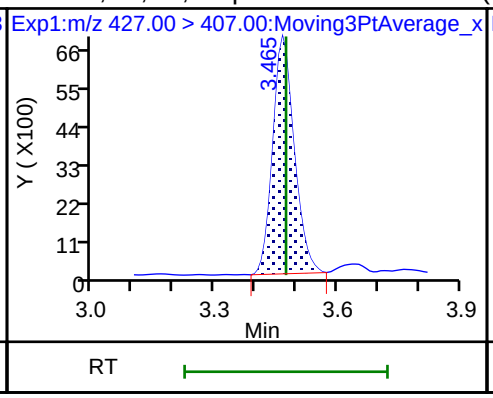
77 DONA



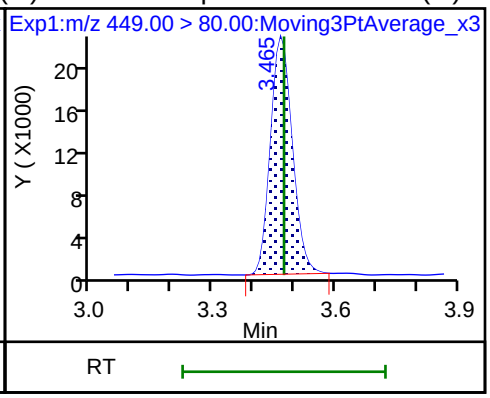
D 12 M2-6:2 FTS (M)



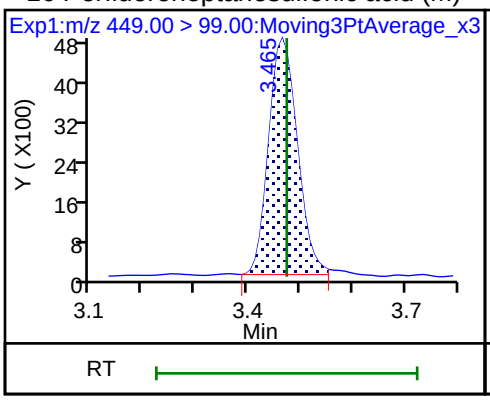
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



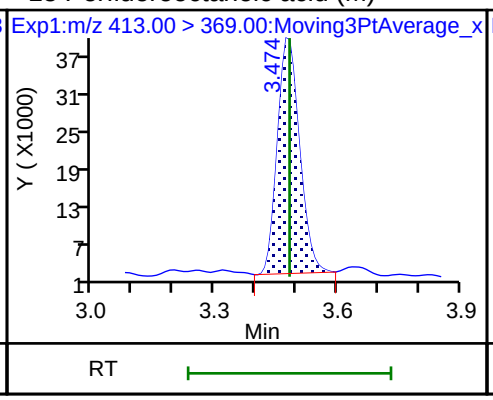
16 Perfluoroheptanesulfonic acid (M)



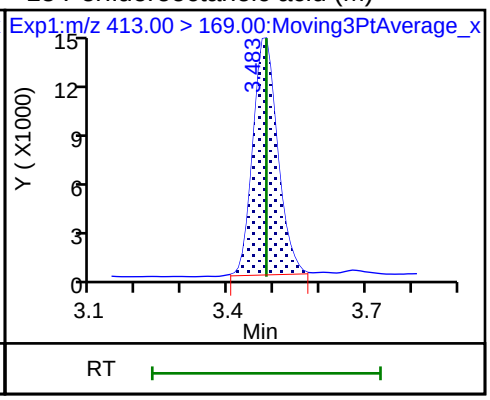
16 Perfluoroheptanesulfonic acid (M)



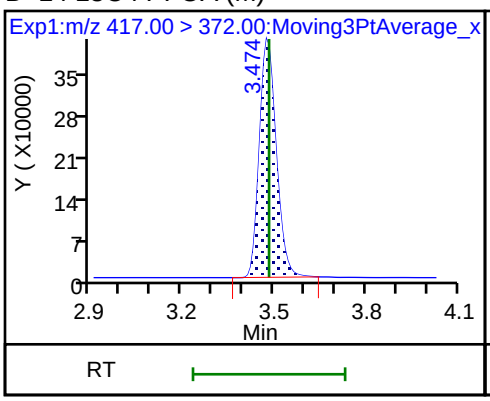
15 Perfluorooctanoic acid (M)



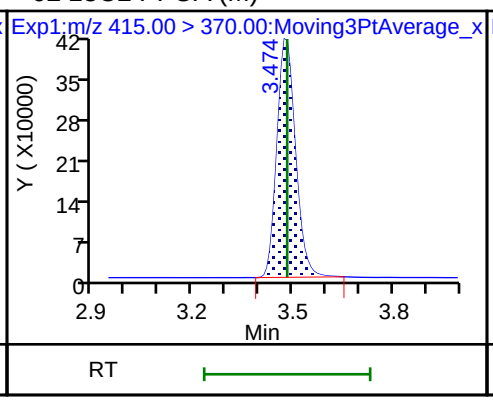
15 Perfluorooctanoic acid (M)



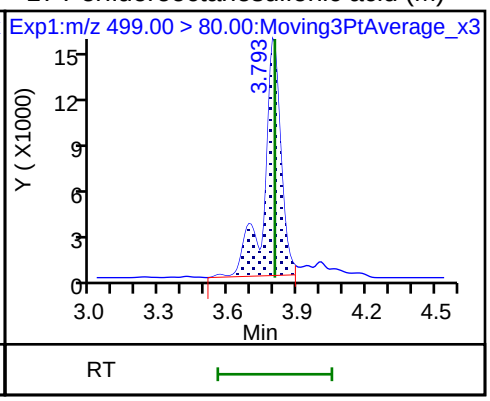
D 14 13C4 PFOA (M)



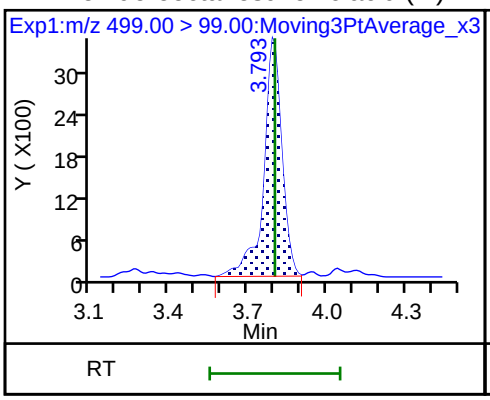
* 62 13C2 PFOA (M)



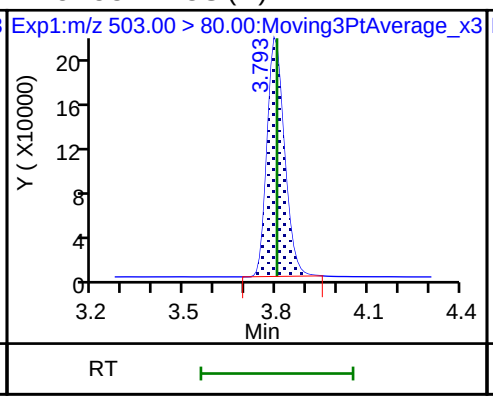
17 Perfluorooctanesulfonic acid (M)



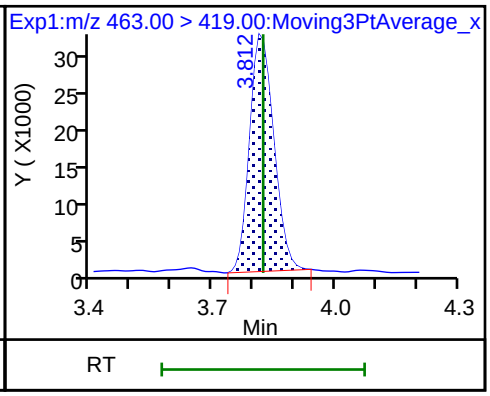
17 Perfluorooctanesulfonic acid (M)



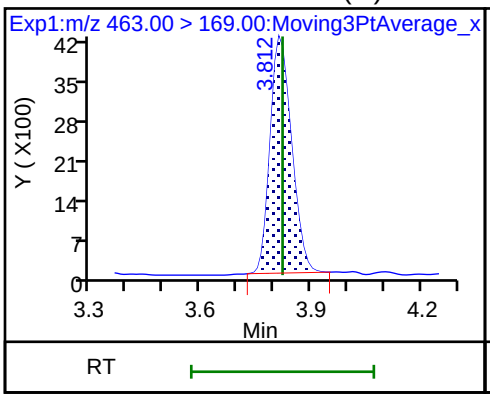
D 18 13C4 PFOS (M)



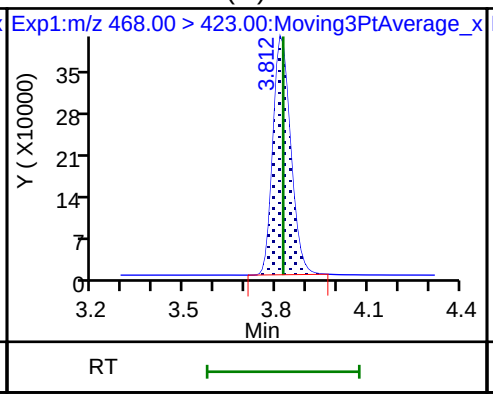
20 Perfluorononanoic acid



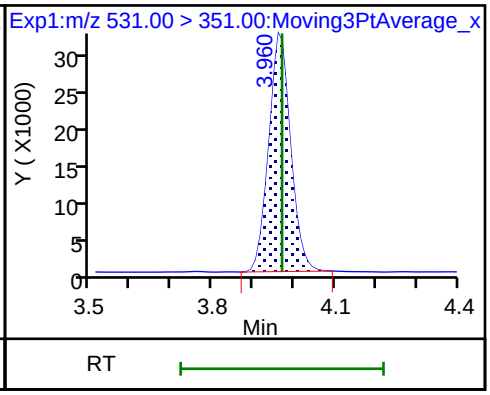
20 Perfluorononanoic acid (M)



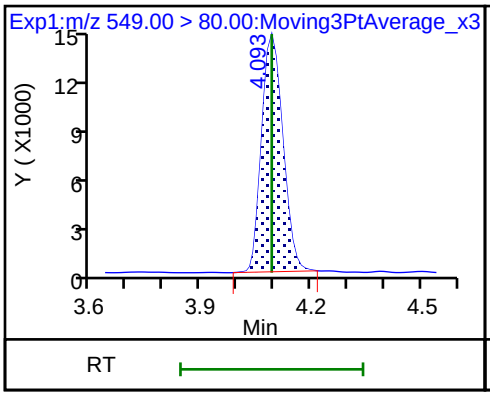
D 19 13C5 PFNA (M)



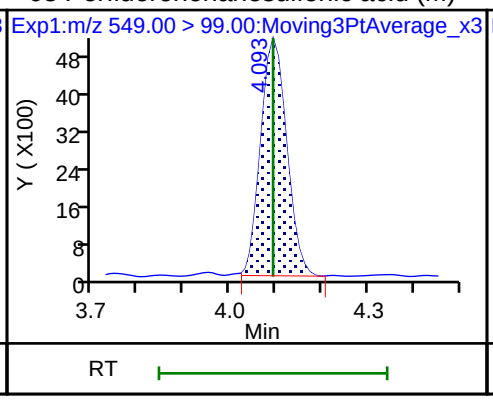
69 9-Chlorohexadecafluoro-3-oxanona



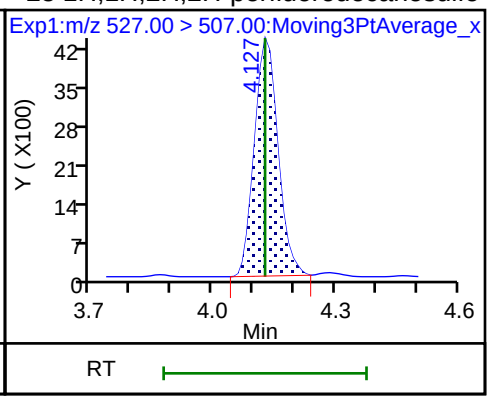
68 Perfluorononanesulfonic acid



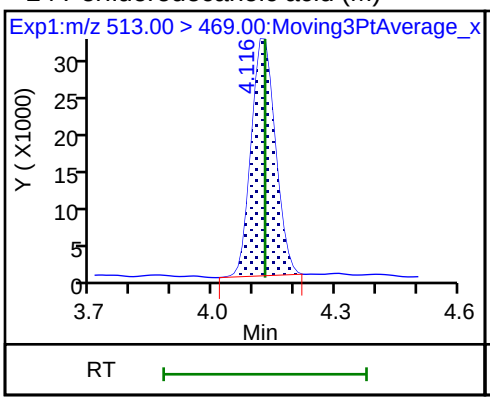
68 Perfluorononanesulfonic acid (M)



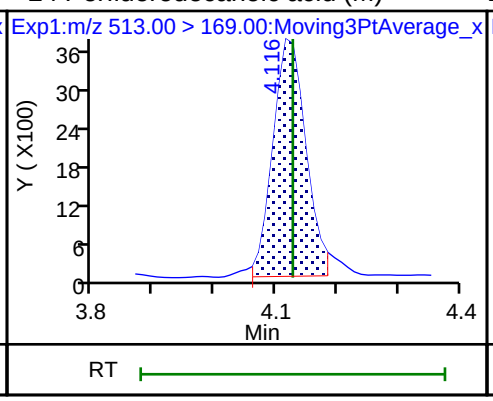
25 1H,1H,2H,2H-perfluorodecanesulfo



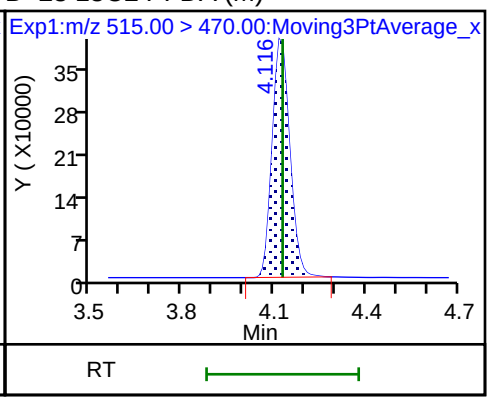
24 Perfluorodecanoic acid (M)



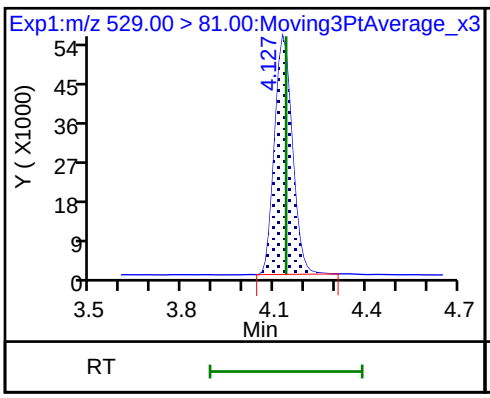
24 Perfluorodecanoic acid (M)



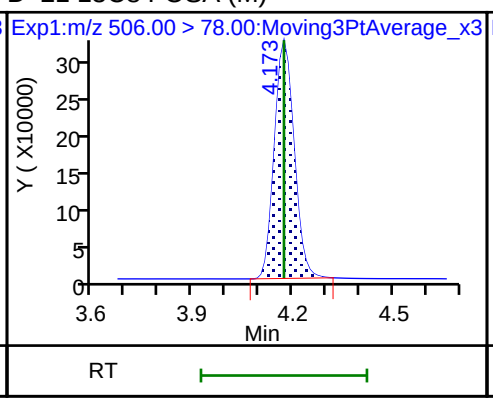
D 23 13C2 PFDA (M)



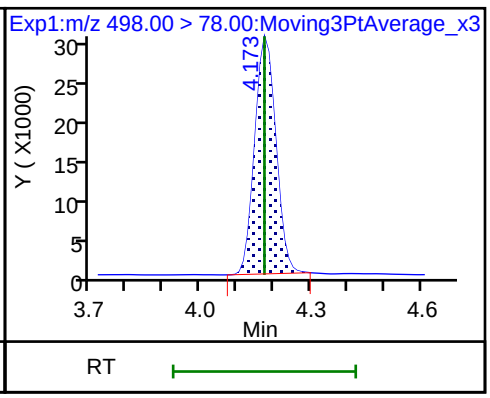
D 26 M2-8:2 FTS



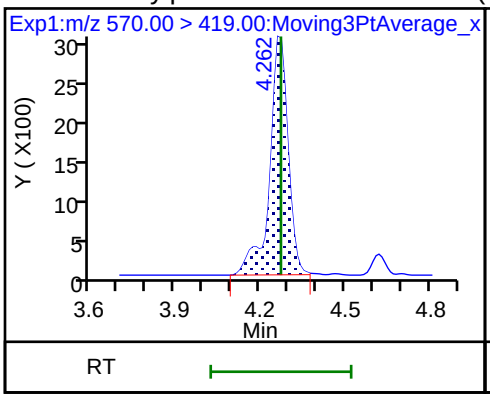
D 21 13C8 FOSA (M)



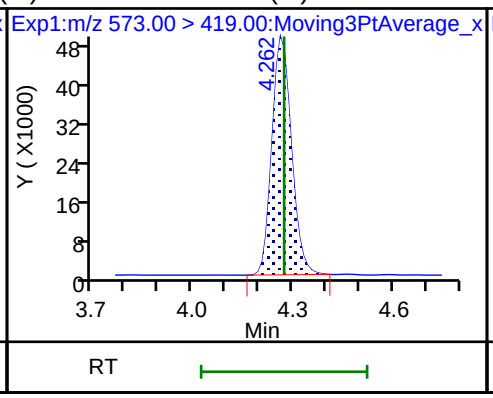
22 Perfluorooctanesulfonamide



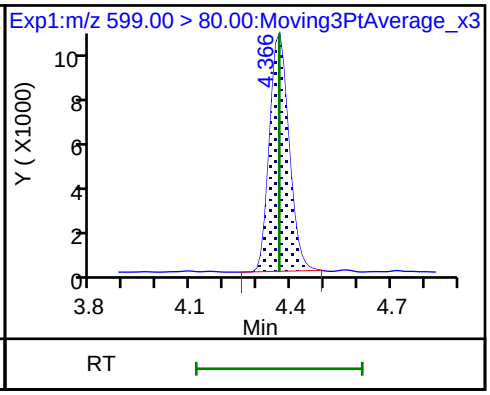
28 N-methylperfluorooctanesulfonami (M)



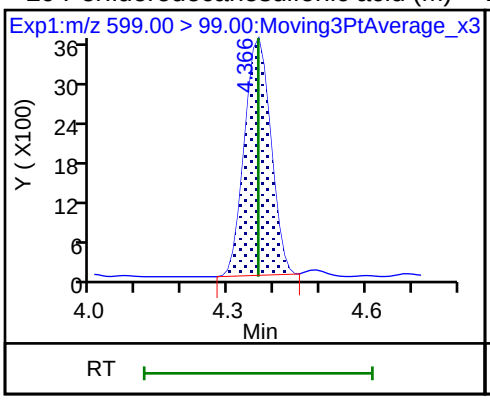
D 27 d3-NMeFOSAA (M)



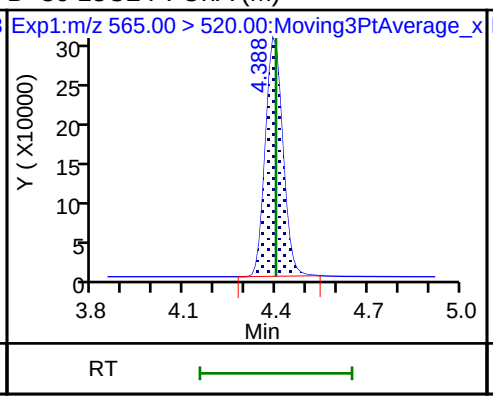
29 Perfluorodecanesulfonic acid



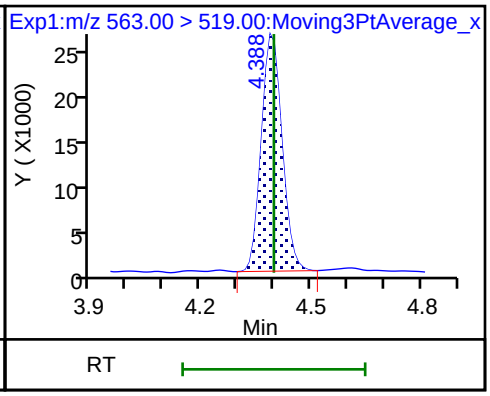
29 Perfluorodecanesulfonic acid (M)



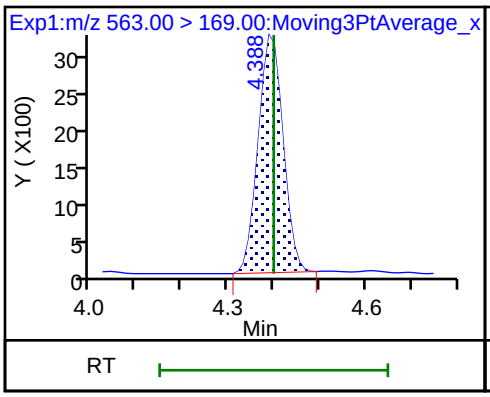
D 30 13C2 PFUnA (M)



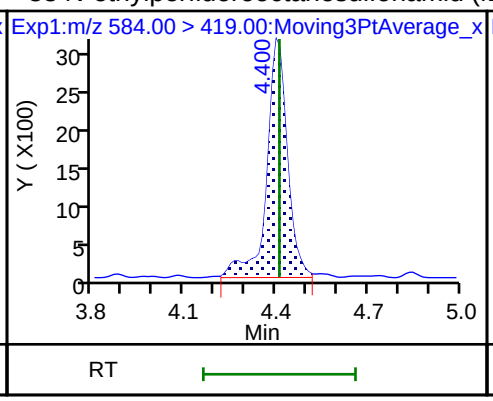
31 Perfluoroundecanoic acid



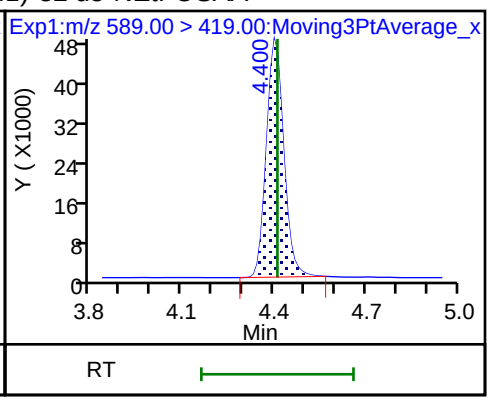
31 Perfluoroundecanoic acid



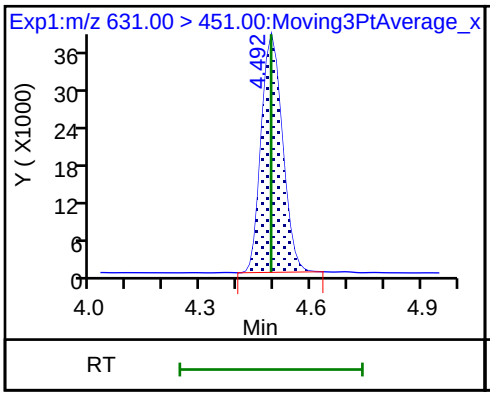
33 N-ethylperfluorooctanesulfonamid (M)



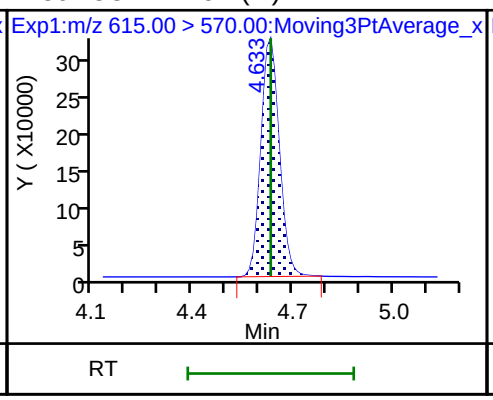
D 32 d5-NEtFOSAA



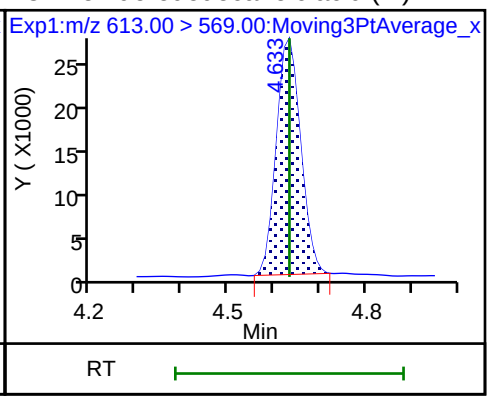
66 11-Chloroeicosafluoro-3-oxaundec



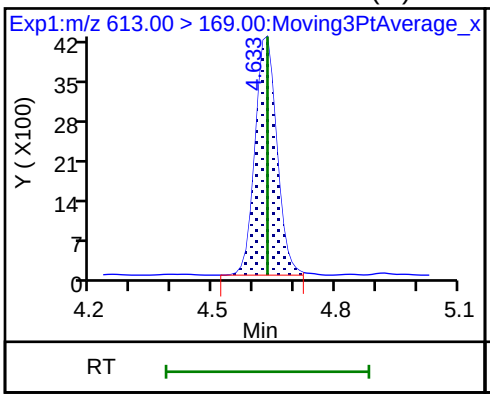
D 36 13C2 PFDoA (M)



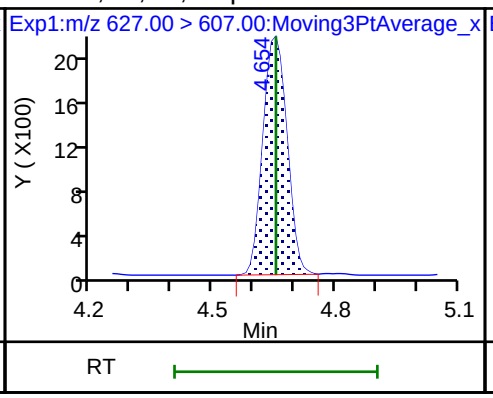
37 Perfluorododecanoic acid (M)



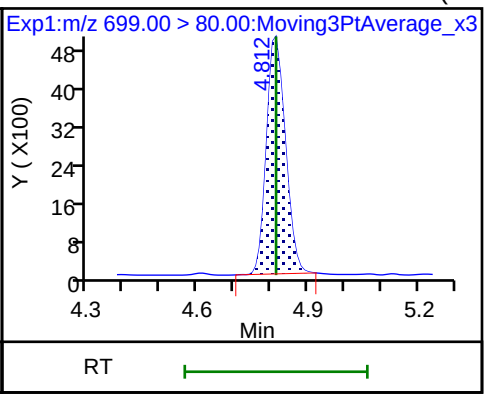
37 Perfluorododecanoic acid (M)



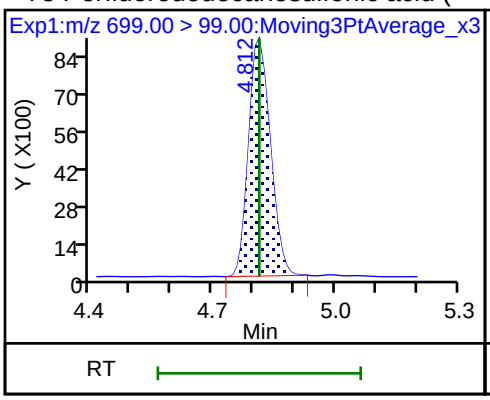
74 1H,1H,2H,2H-perfluorododecanesul



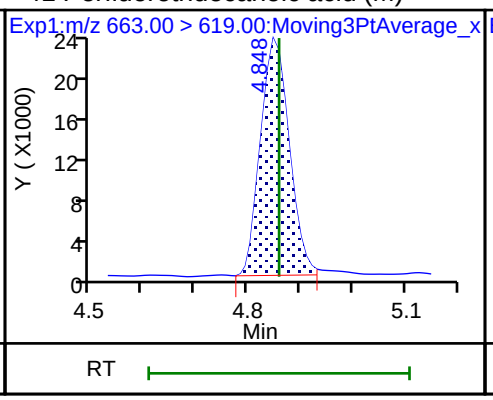
75 Perfluorododecanesulfonic acid (



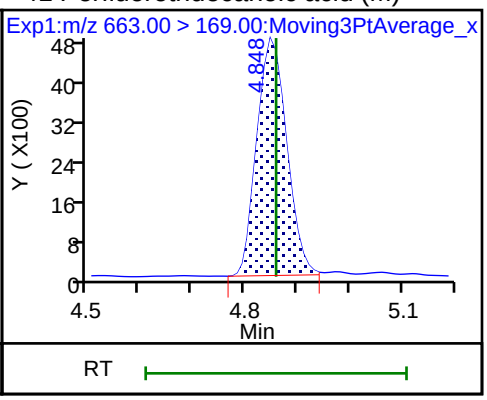
75 Perfluorododecanesulfonic acid (



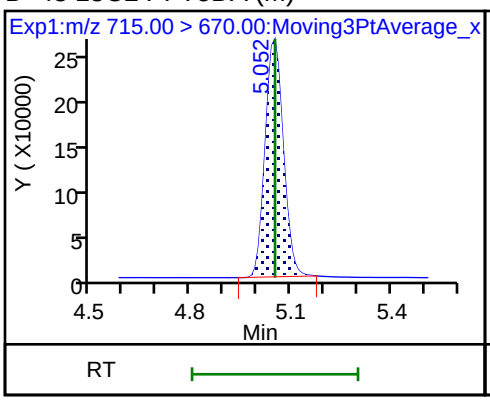
41 Perfluorotridecanoic acid (M)



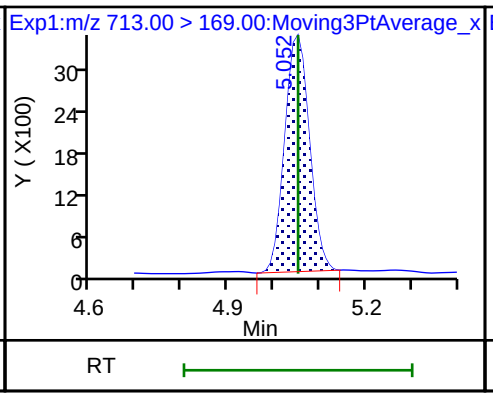
41 Perfluorotridecanoic acid (M)



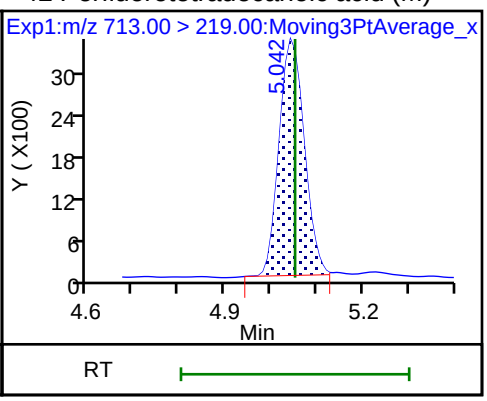
D 43 13C2 PFTeDA (M)



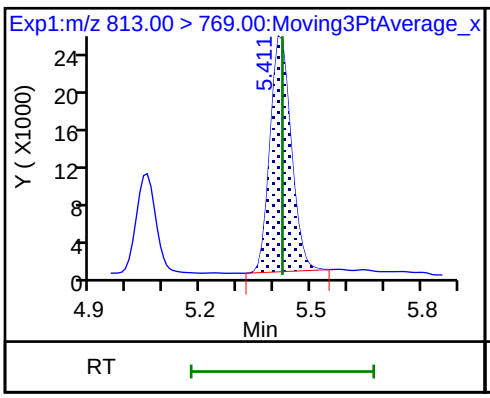
42 Perfluorotetradecanoic acid



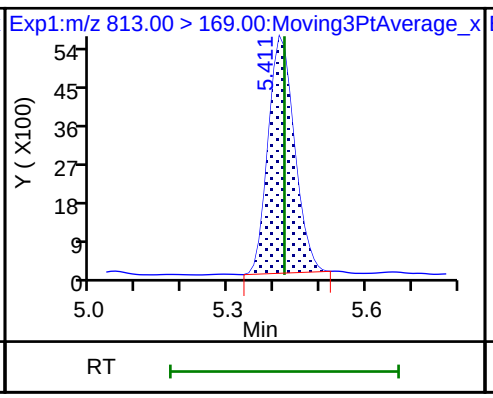
42 Perfluorotetradecanoic acid (M)



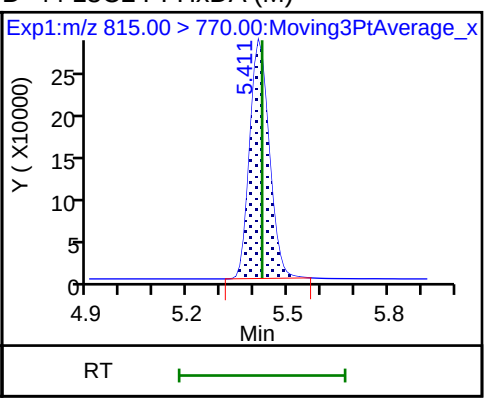
45 Perfluorohexadecanoic acid



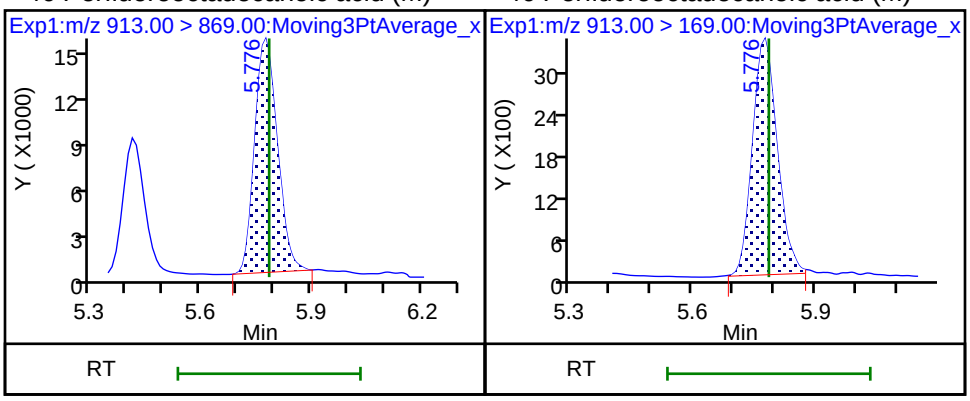
45 Perfluorohexadecanoic acid



D 44 13C2 PFHxDA (M)



46 Perfluorooctadecanoic acid (M) 46 Perfluorooctadecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins Burlington

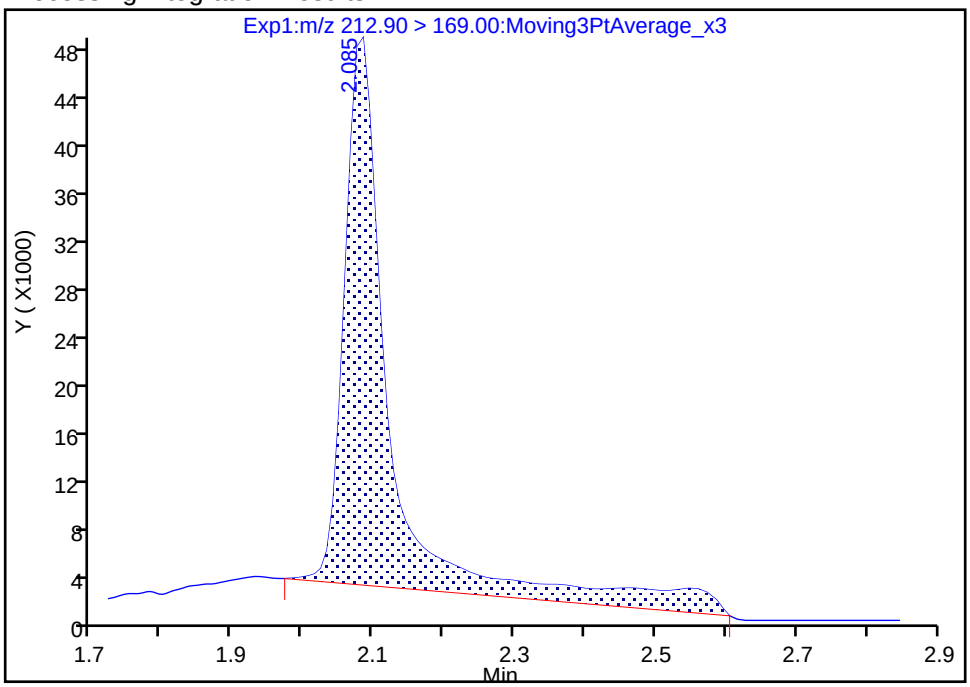
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d				
Injection Date:	03-Aug-2022 13:08:29	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

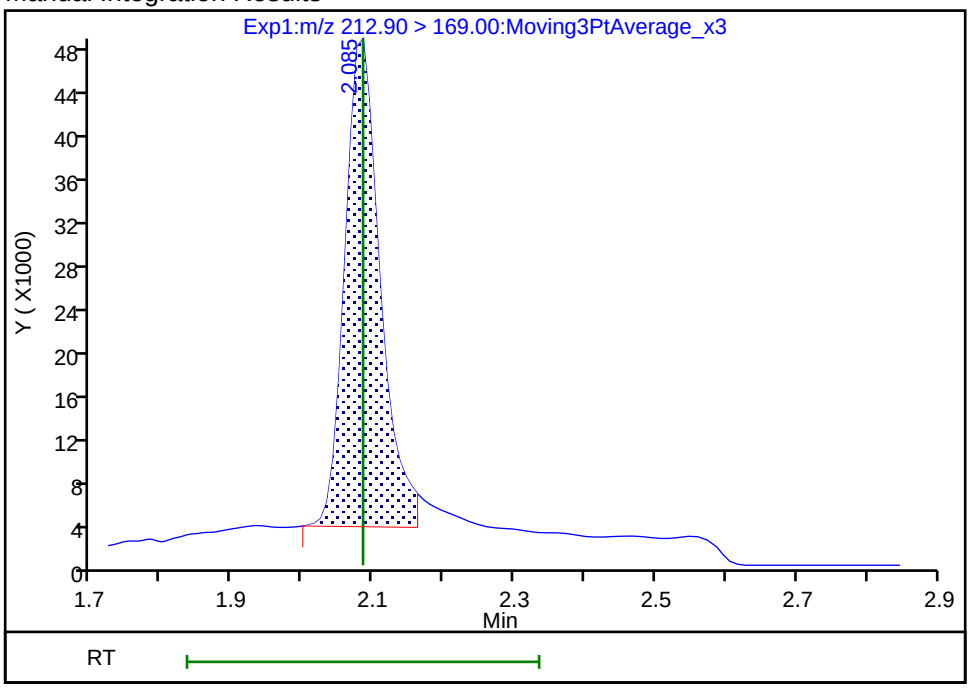
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:30:34

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

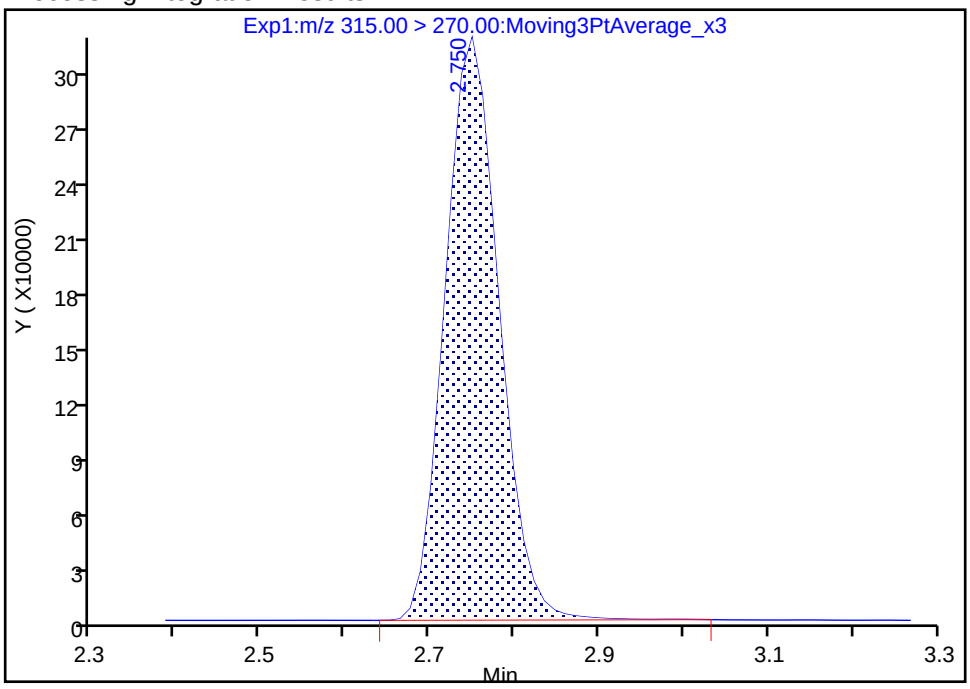
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 7 13C2 PFHxA, CAS: STL00993

Signal: 1

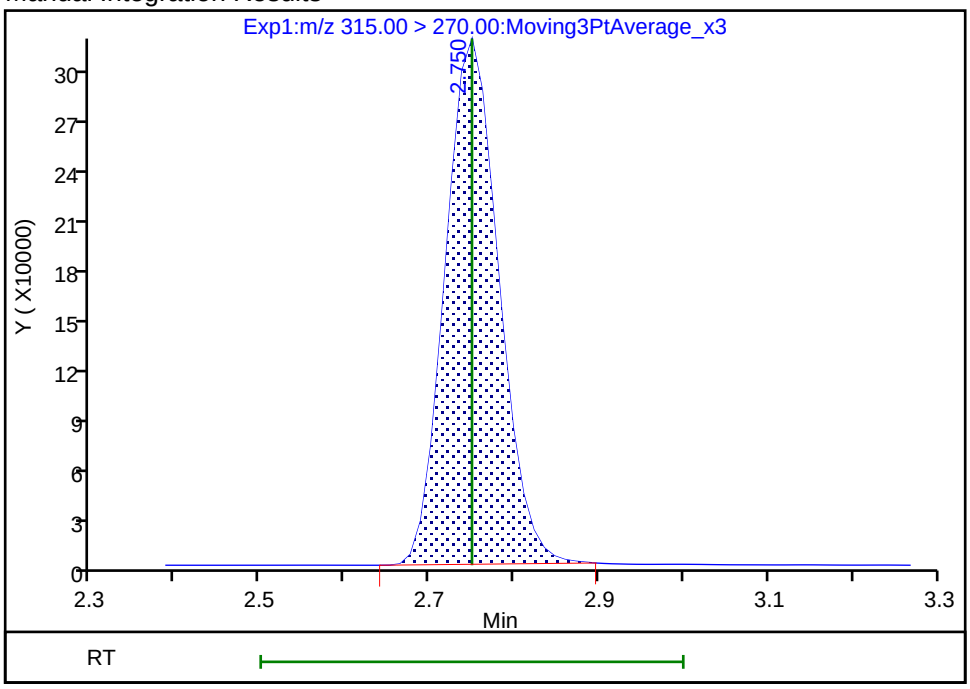
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

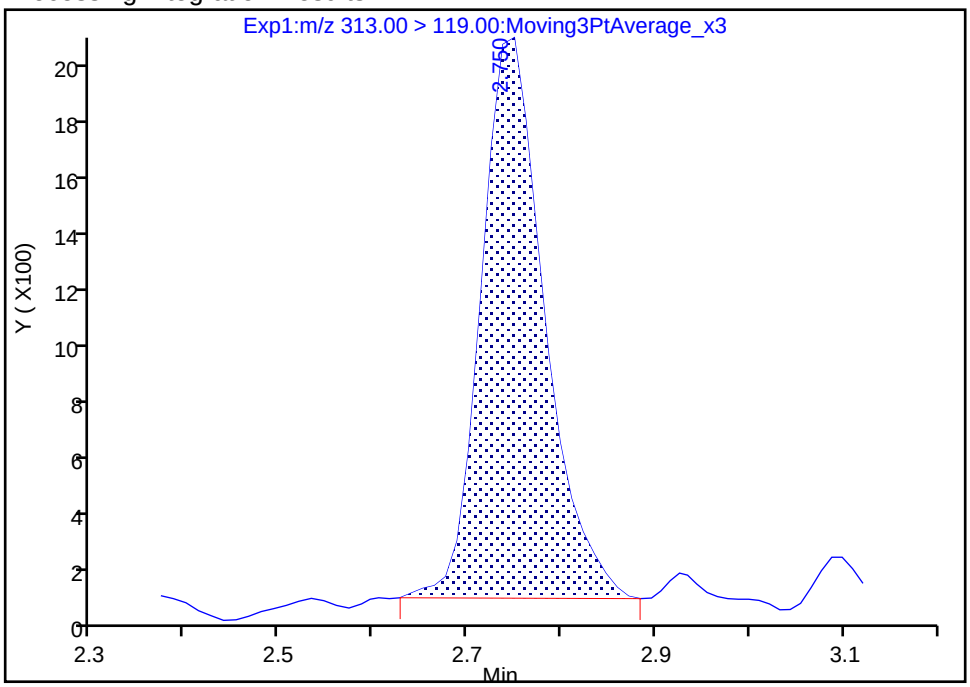
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

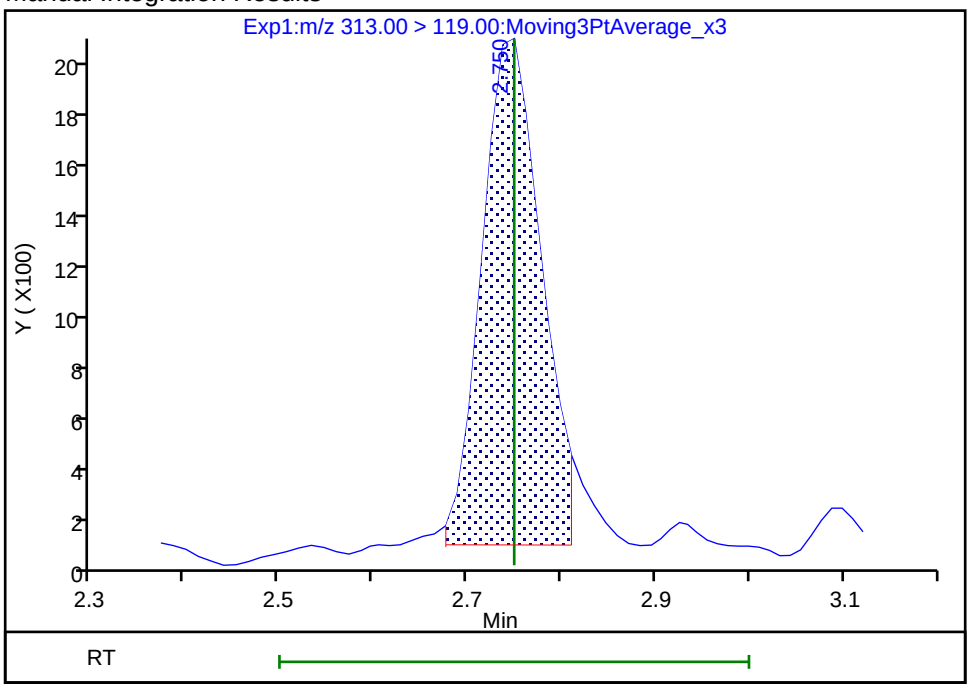
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

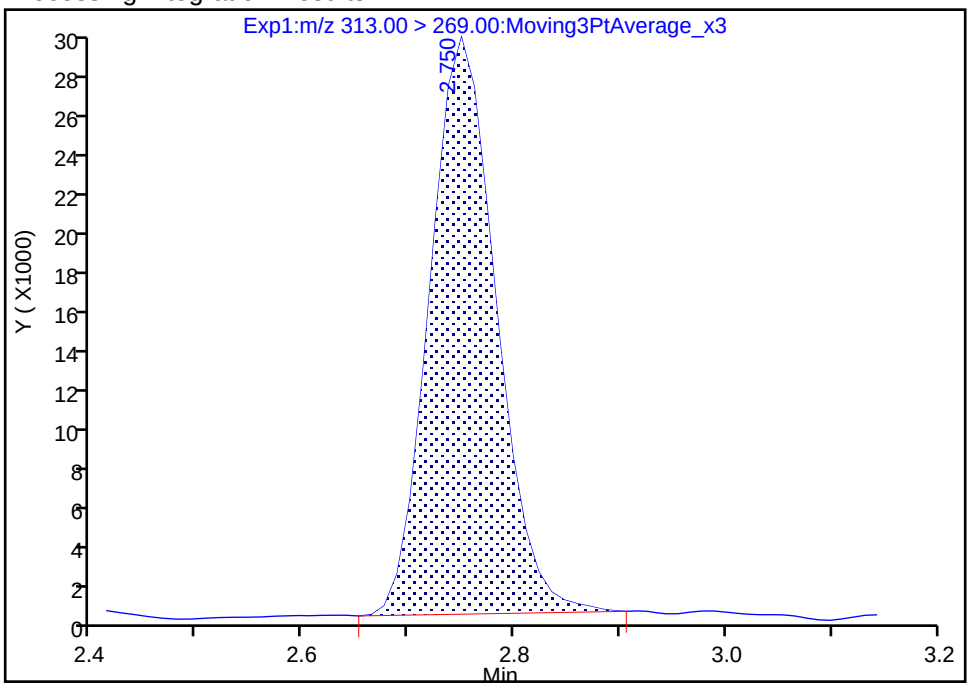
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d				
Injection Date:	03-Aug-2022 13:08:29	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

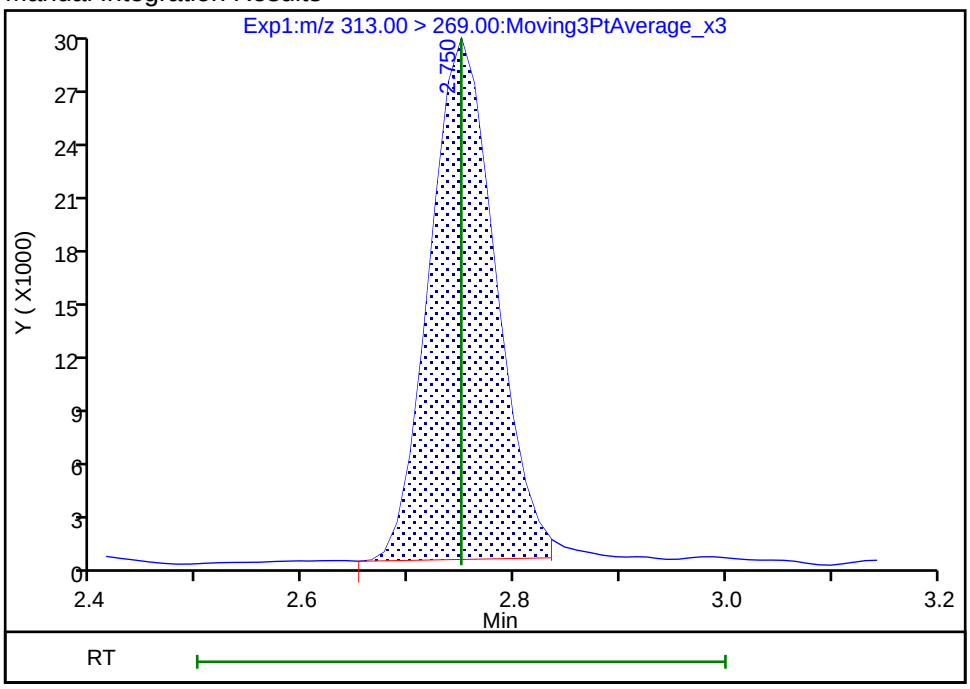
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:31:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

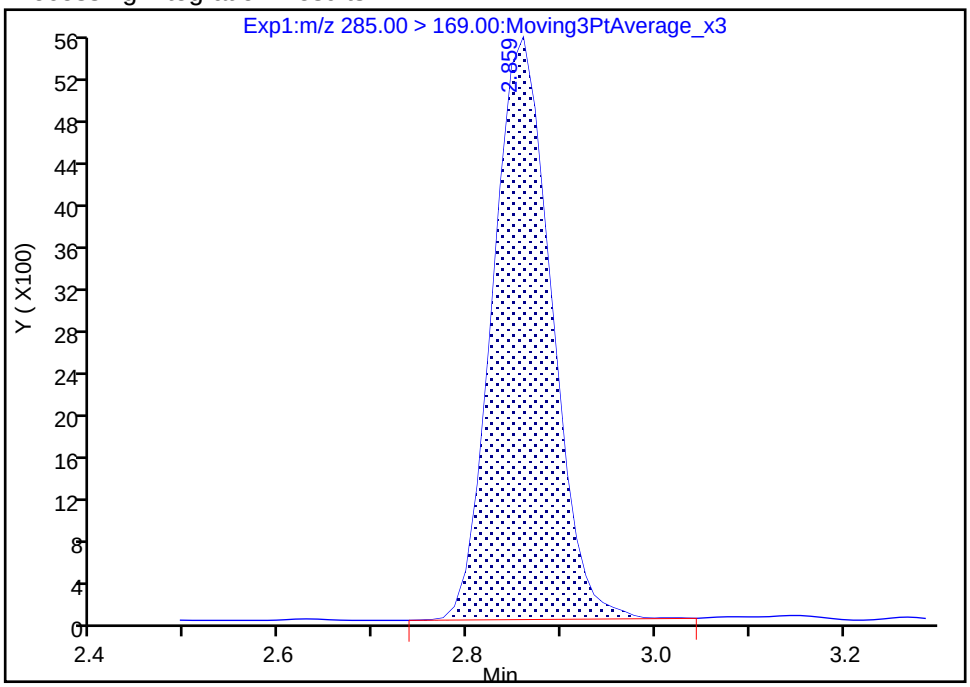
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

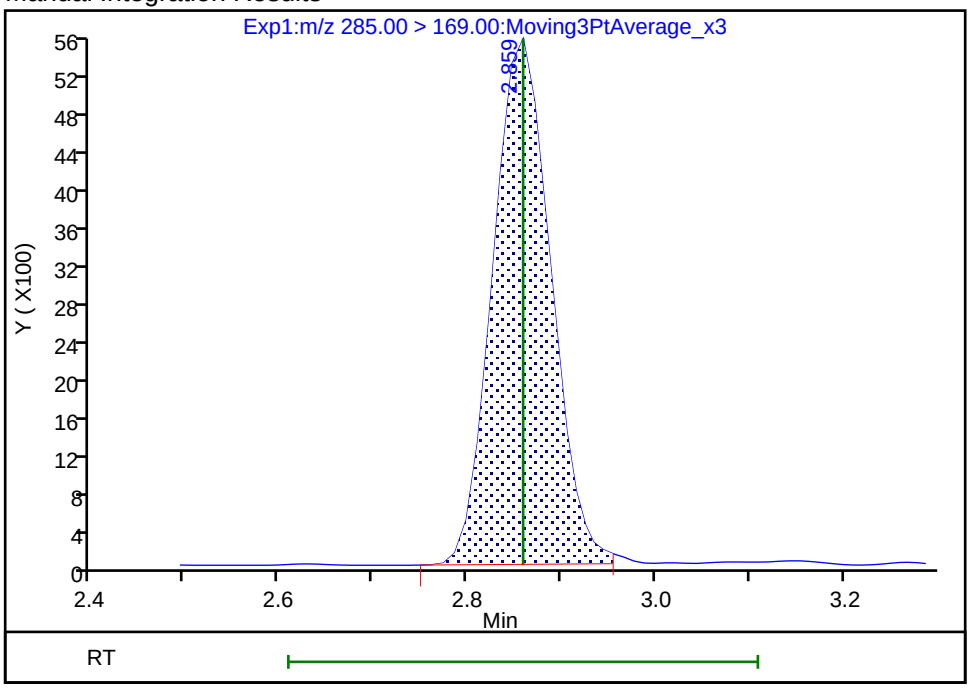
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

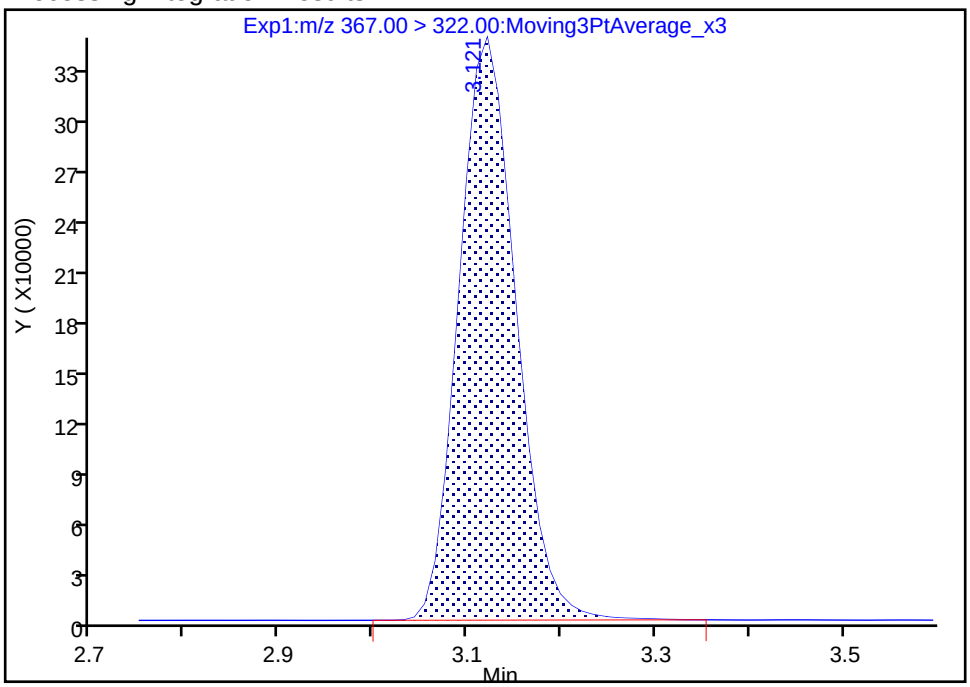
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d				
Injection Date:	03-Aug-2022 13:08:29	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

D 9 13C4 PFHpA, CAS: STL01892

Signal: 1

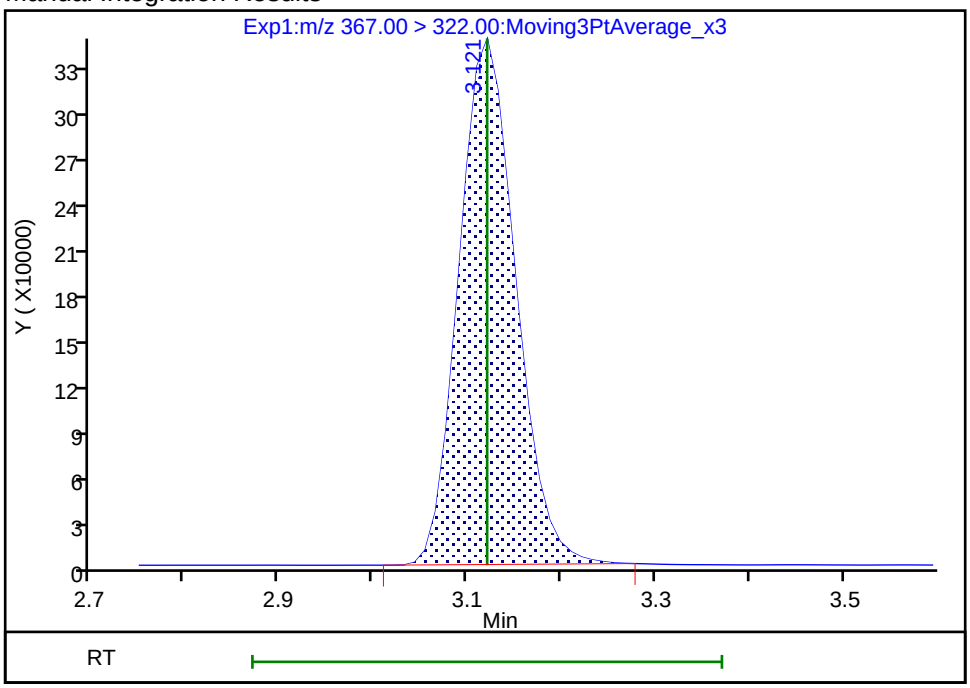
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

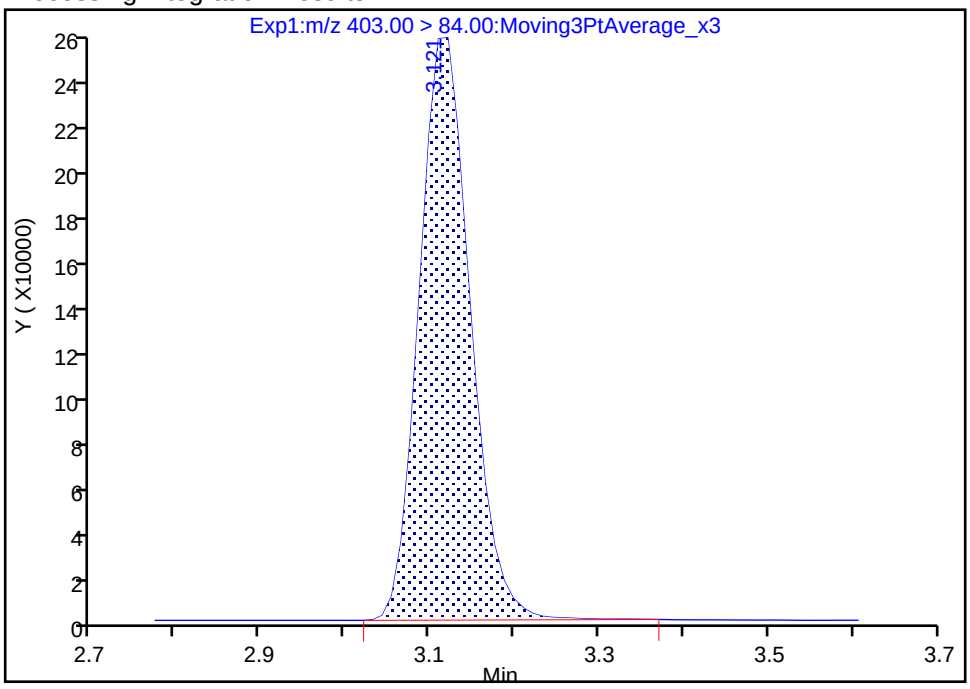
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d				
Injection Date:	03-Aug-2022 13:08:29	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

D 11 18O2 PFHxS, CAS: STL00994

Signal: 1

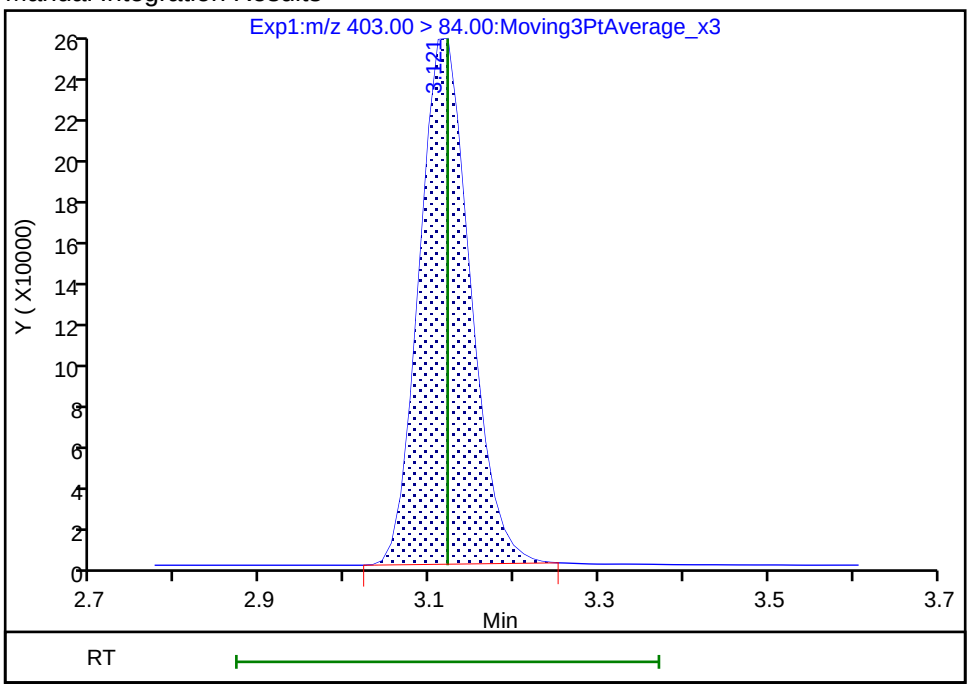
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:32:00

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

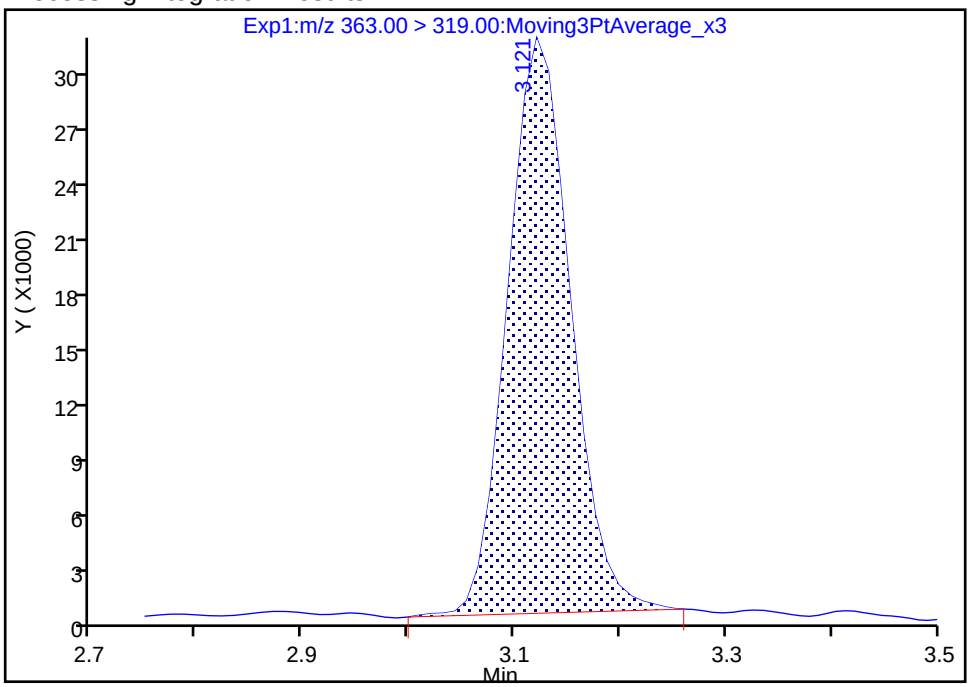
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d				
Injection Date:	03-Aug-2022 13:08:29	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

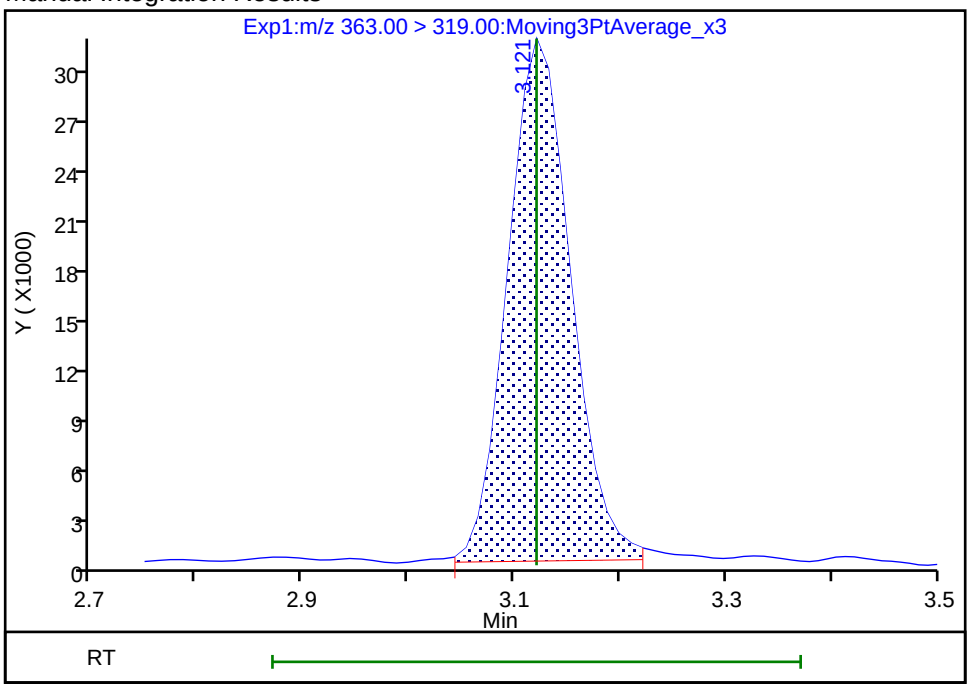
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

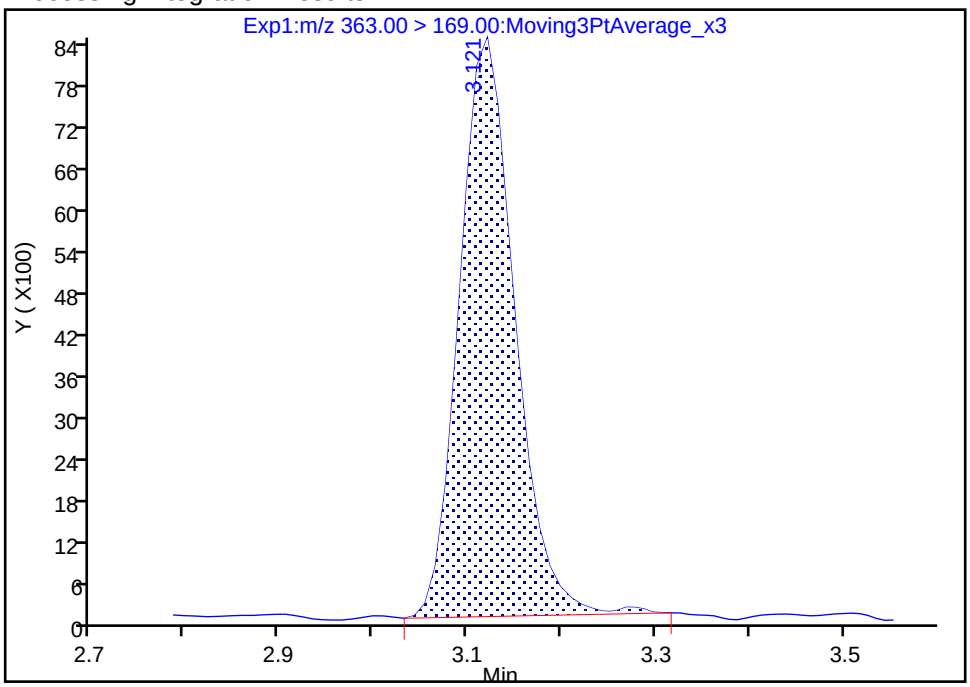
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

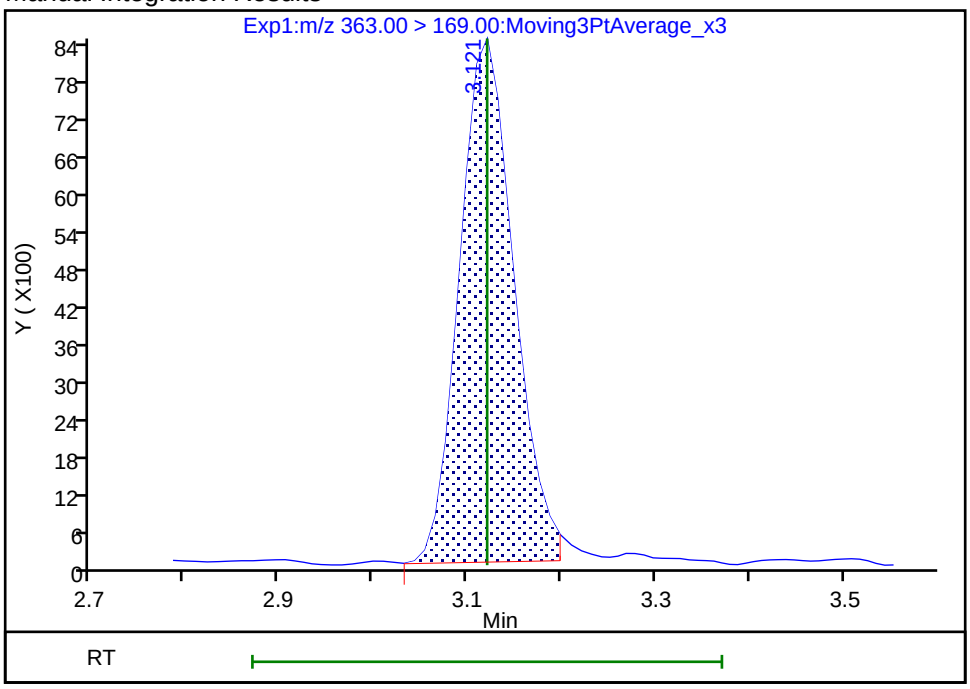
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:32:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

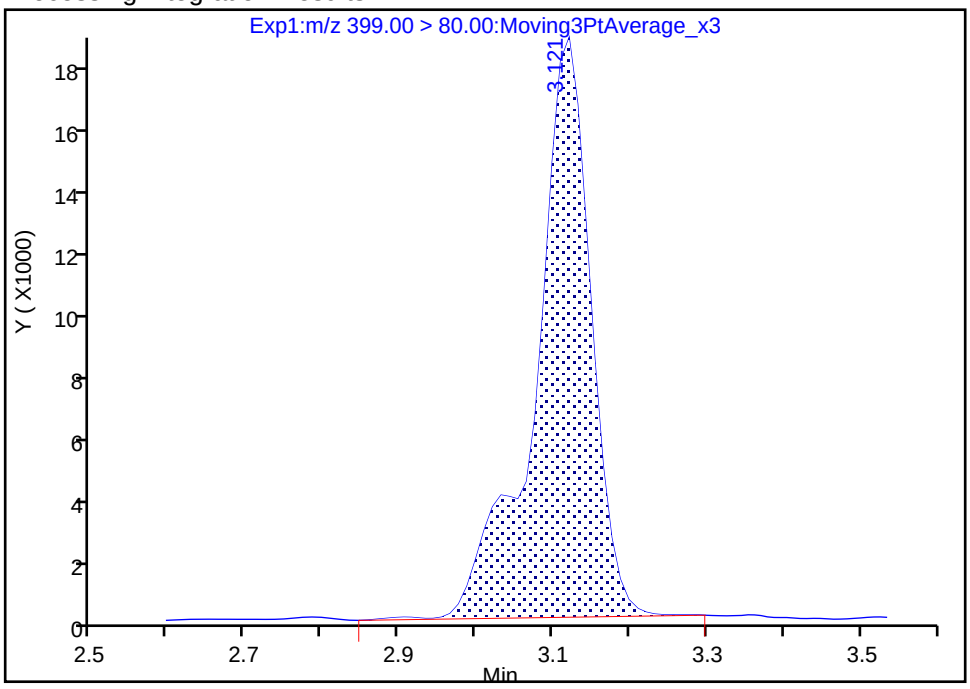
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

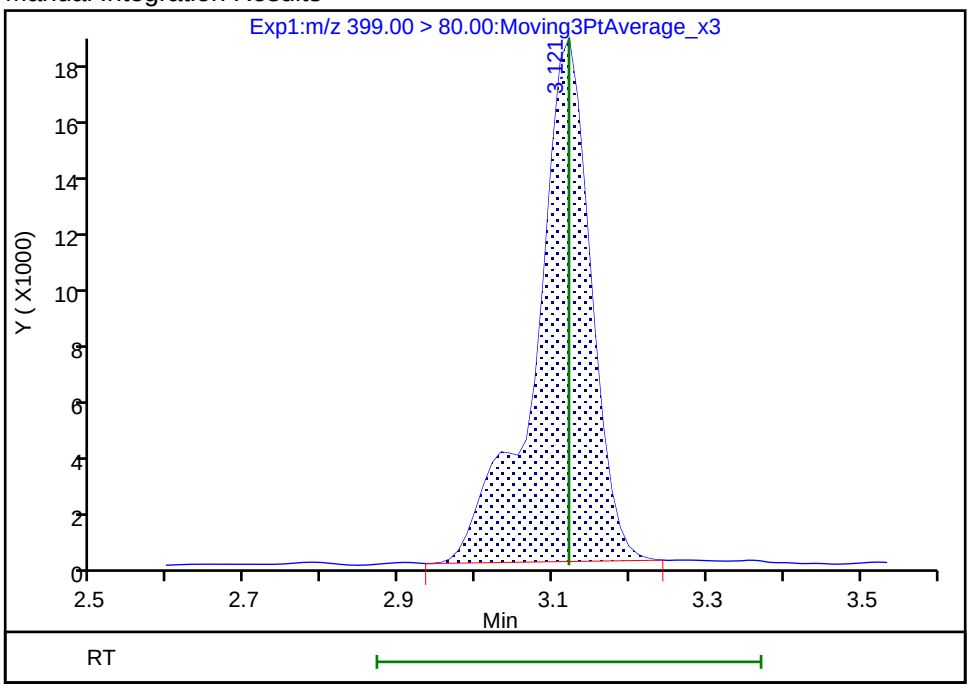
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

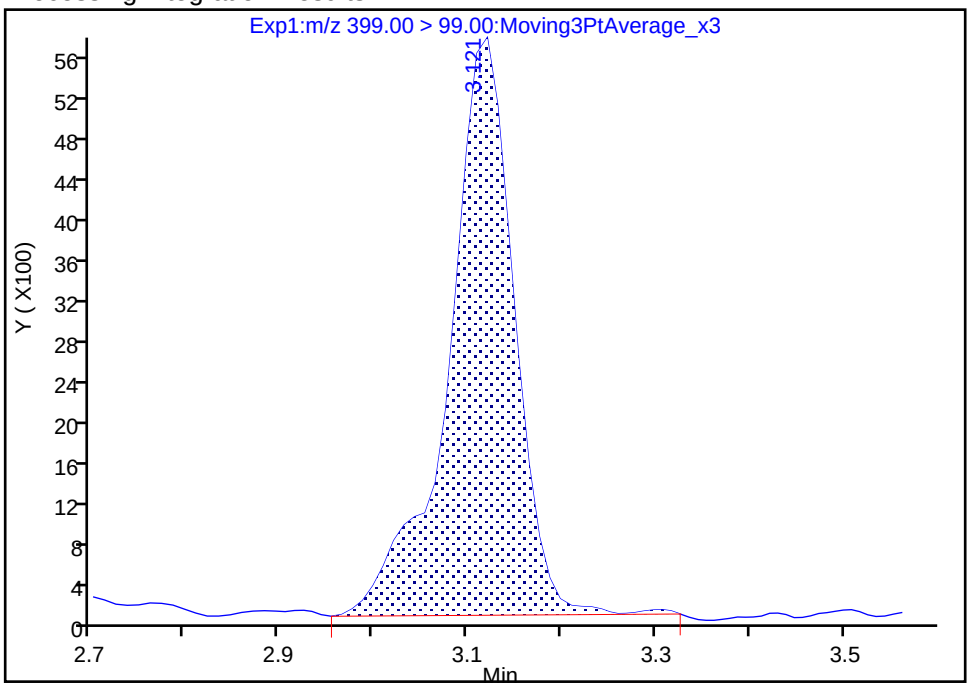
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d				
Injection Date:	03-Aug-2022 13:08:29	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

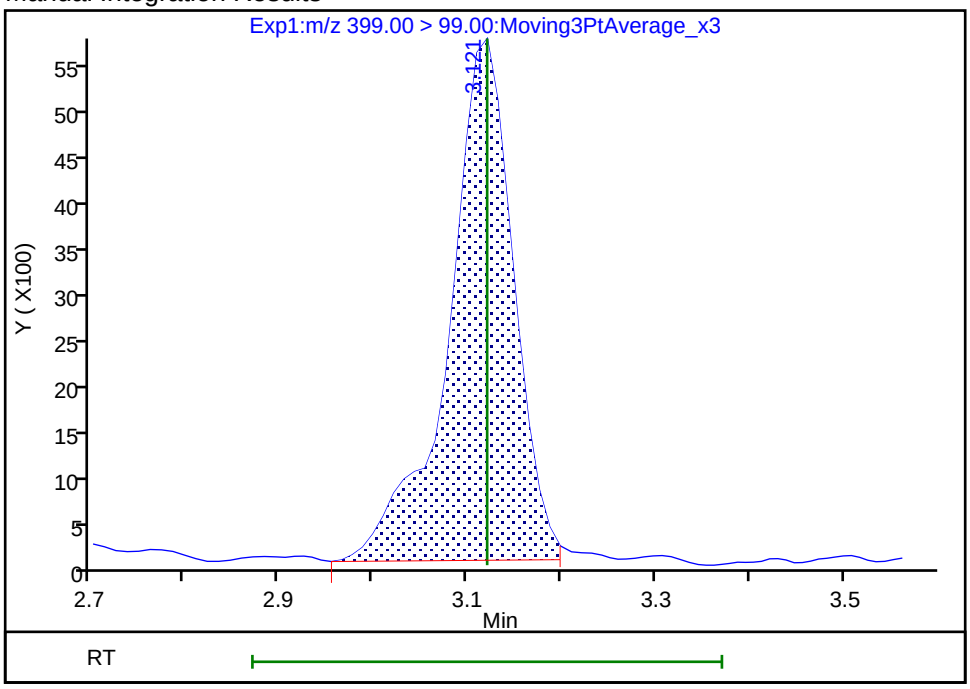
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:31:53
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

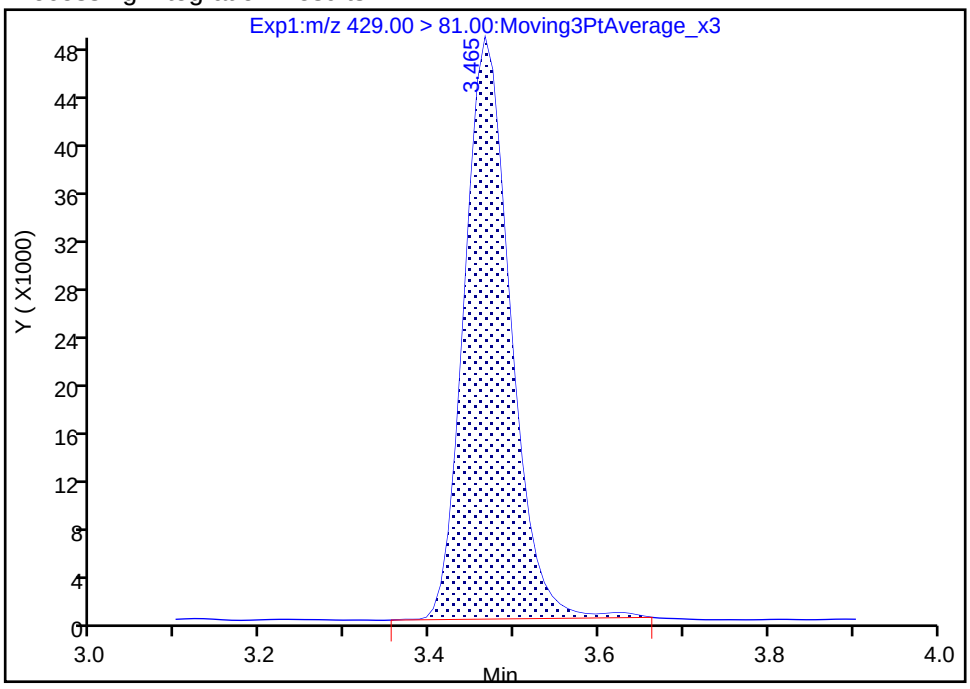
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

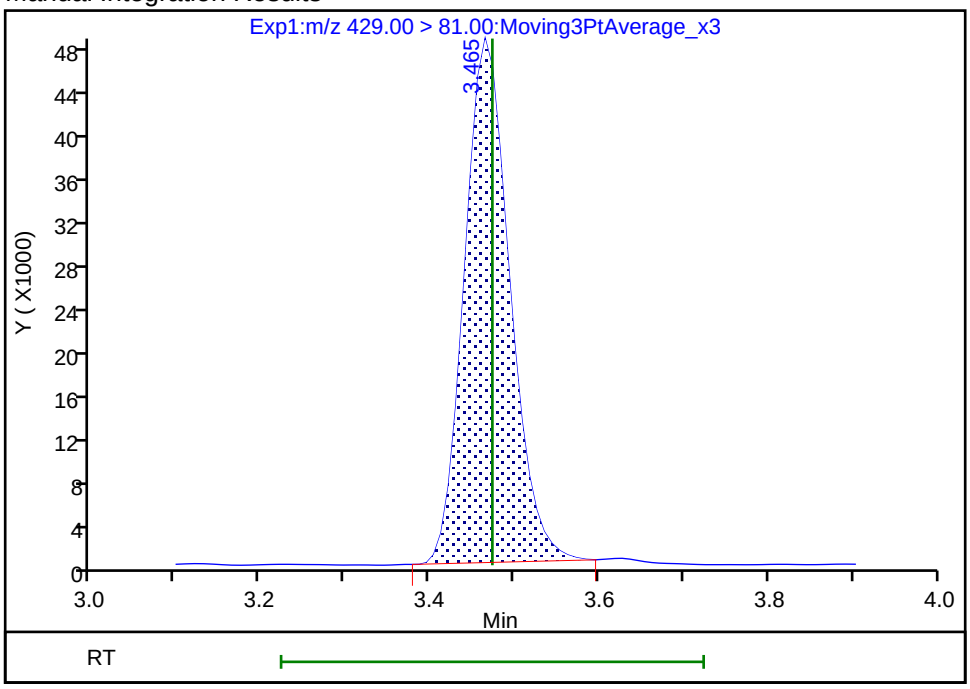
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

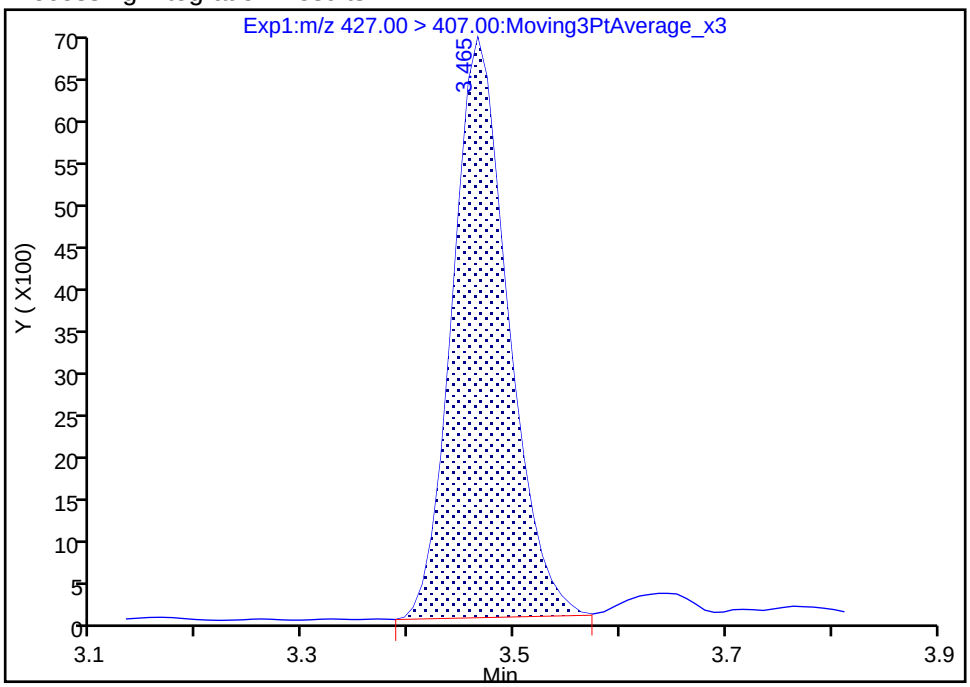
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d				
Injection Date:	03-Aug-2022 13:08:29	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

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

Signal: 1

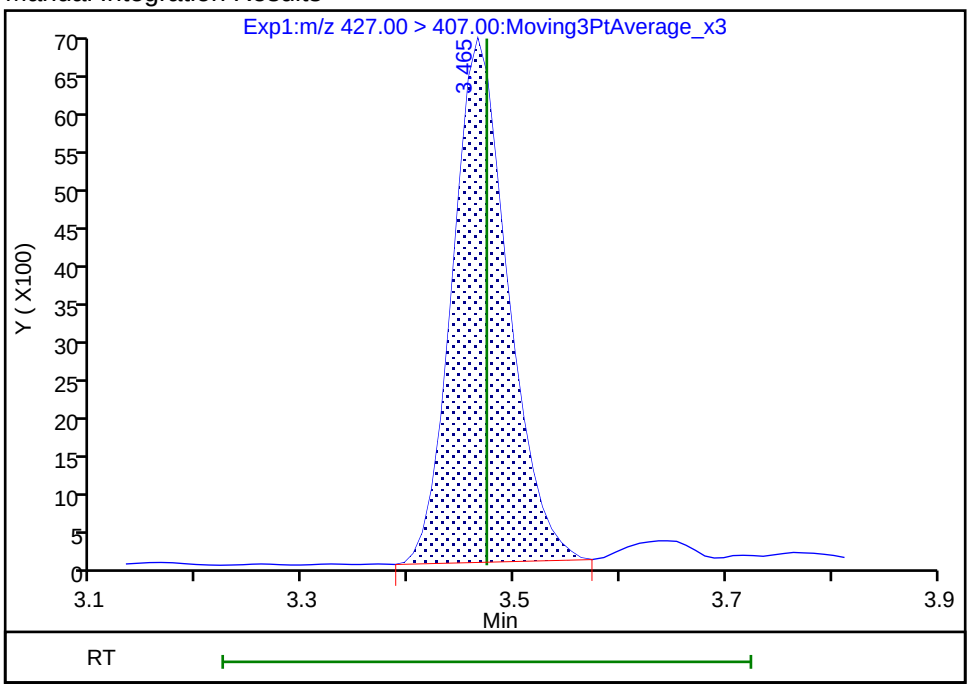
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:33:29

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

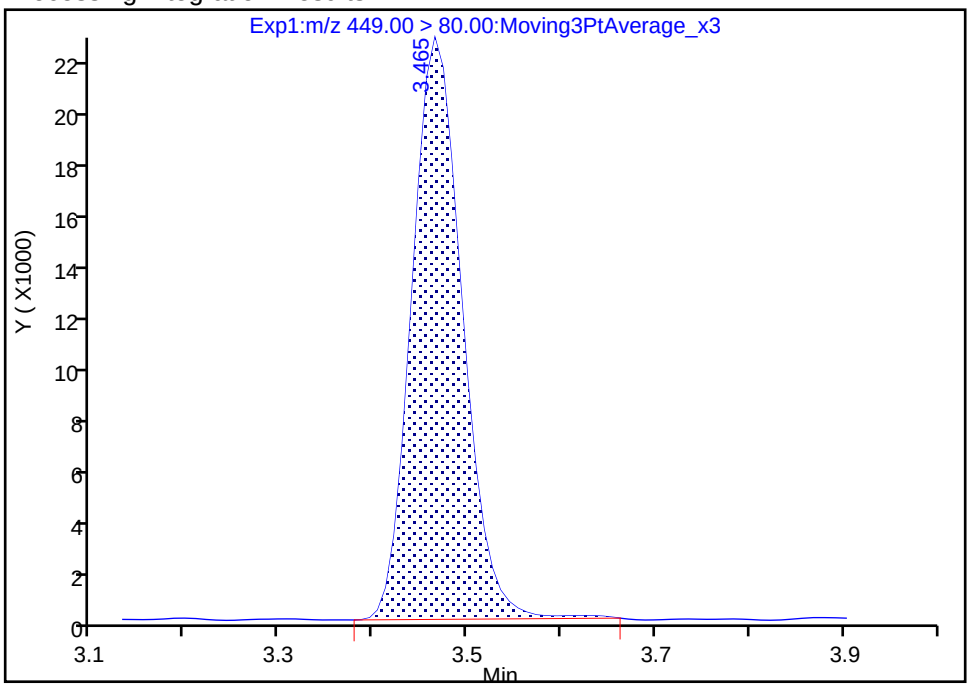
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d				
Injection Date:	03-Aug-2022 13:08:29	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

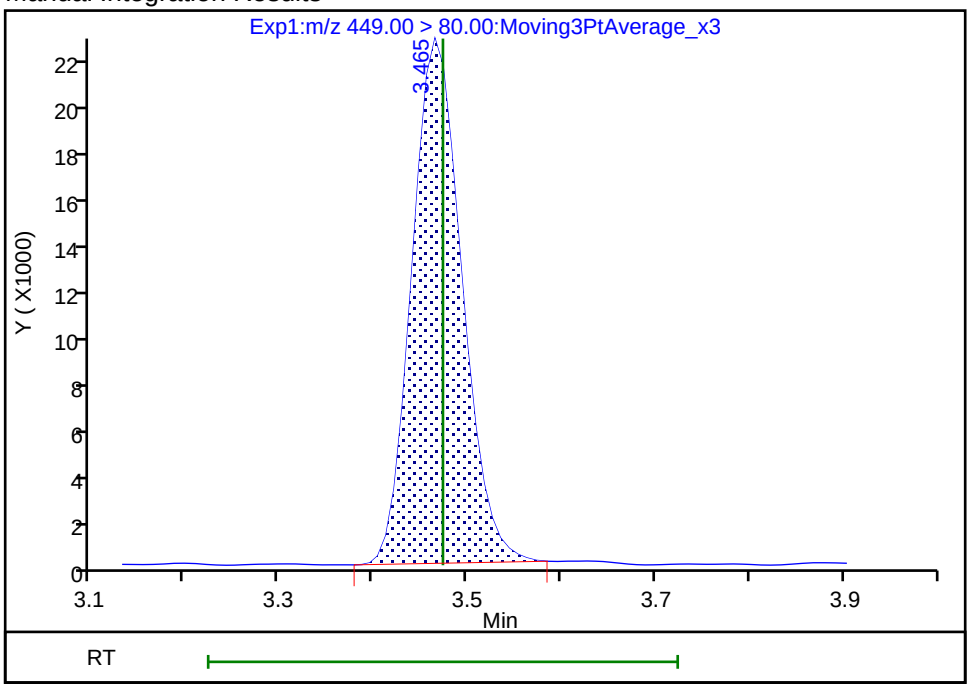
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

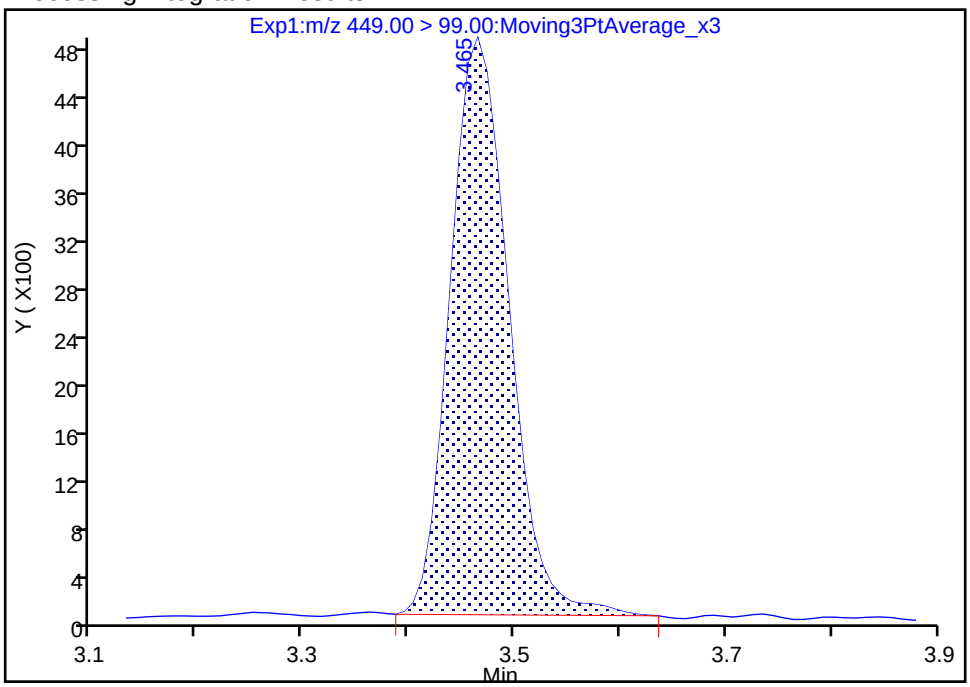
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d				
Injection Date:	03-Aug-2022 13:08:29	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

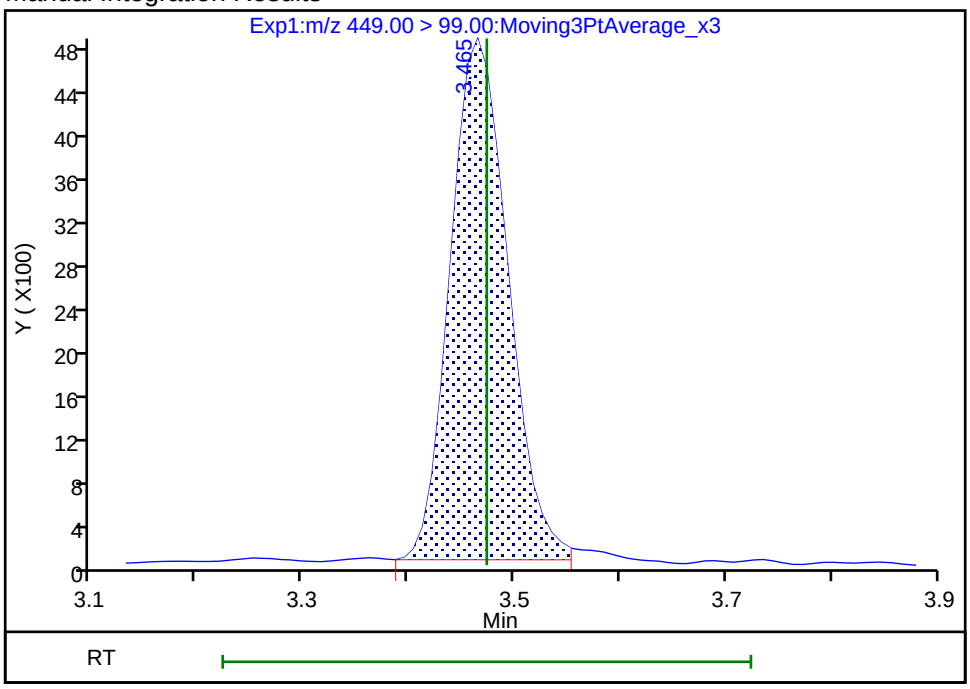
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:33:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

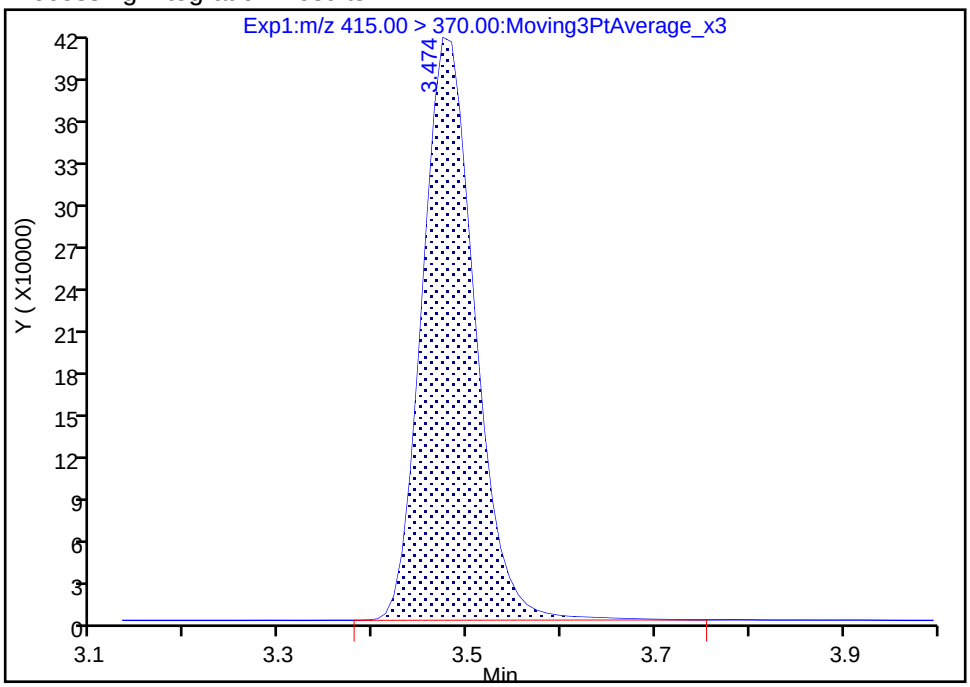
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

* 62 13C2 PFOA, CAS: STL00623

Signal: 1

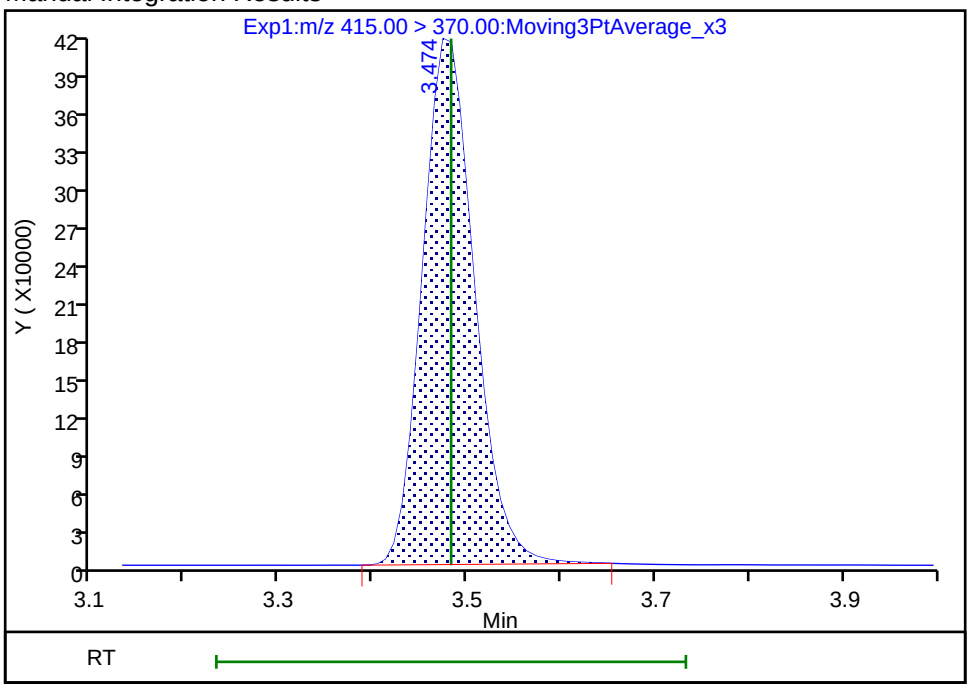
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

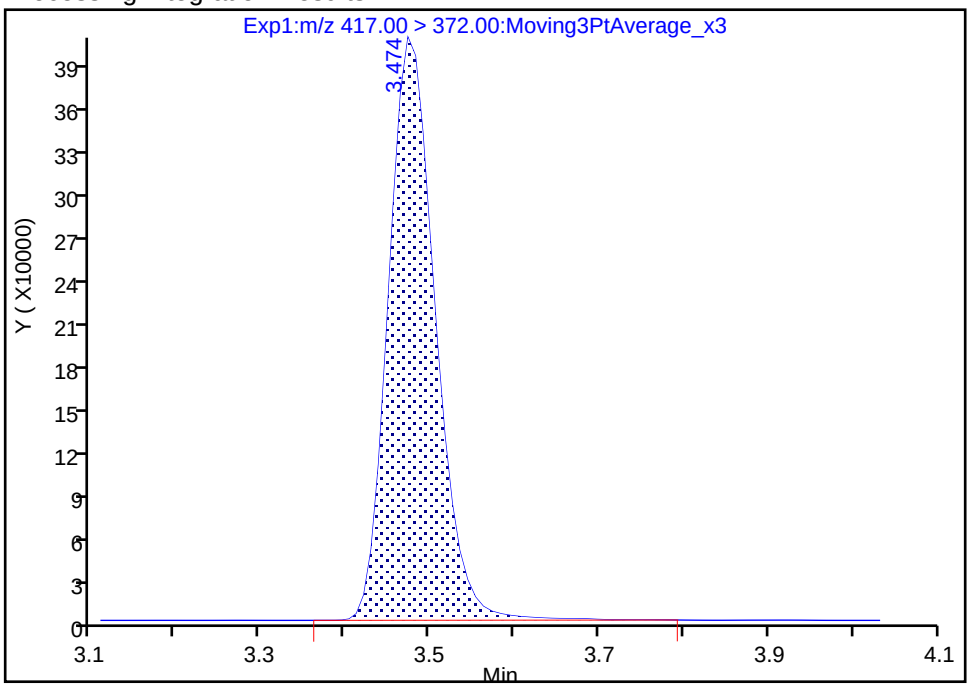
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

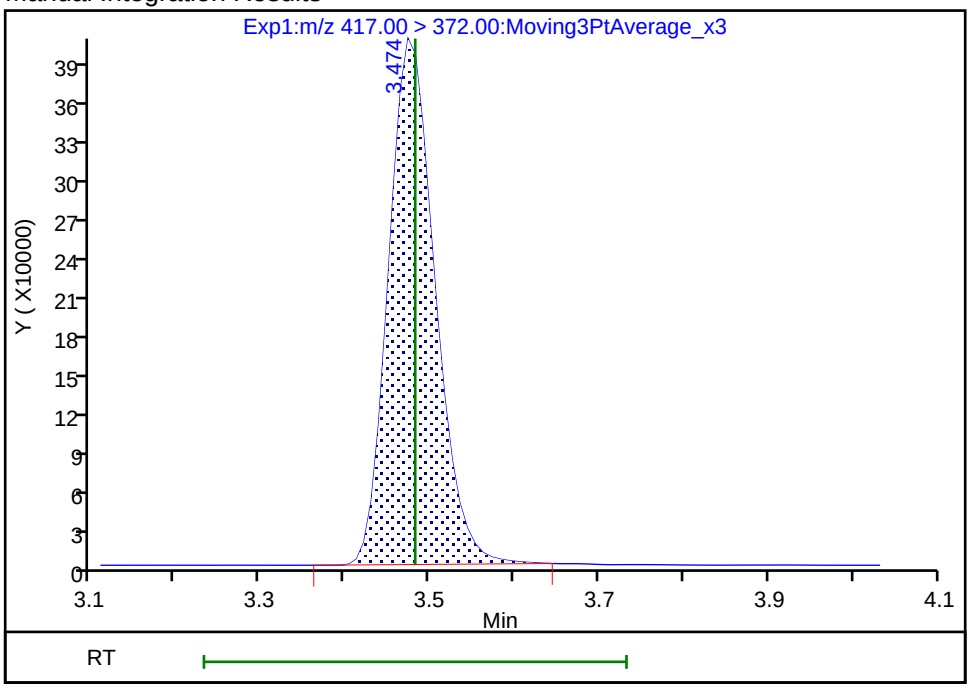
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

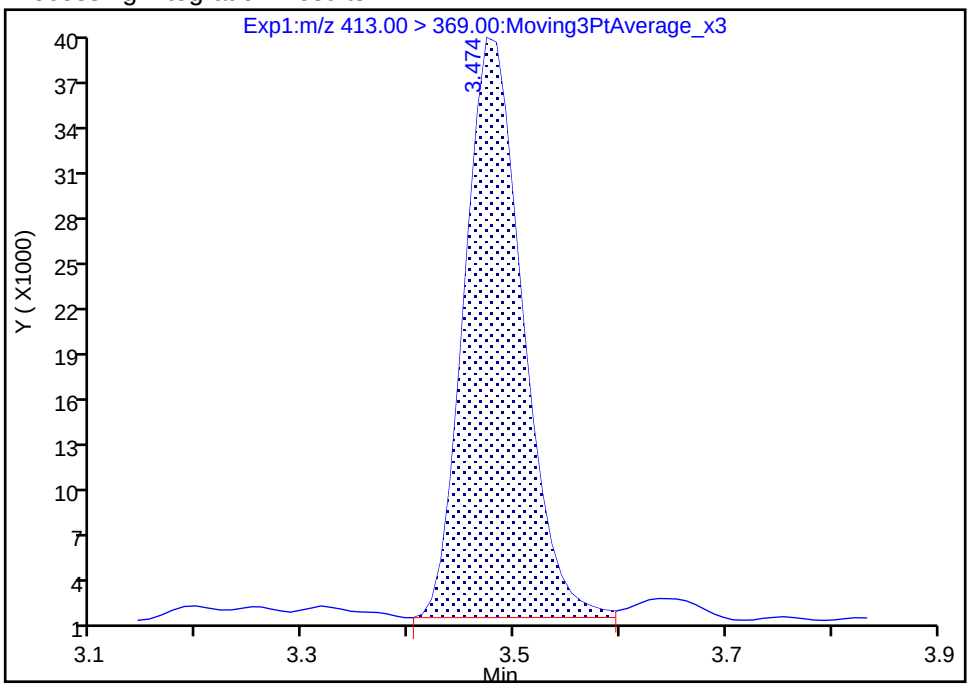
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d				
Injection Date:	03-Aug-2022 13:08:29	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

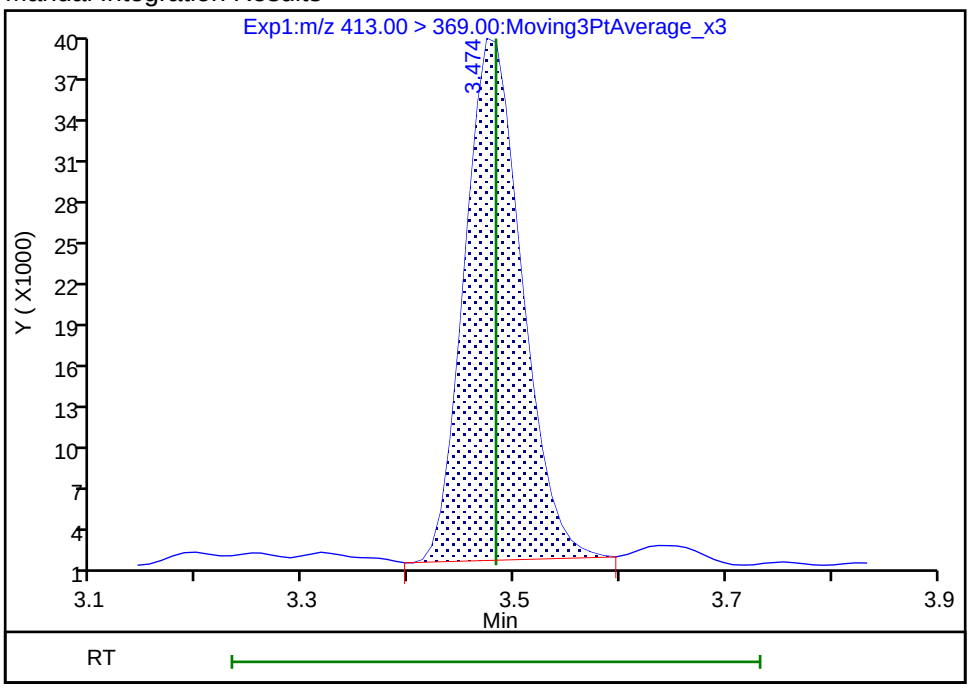
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

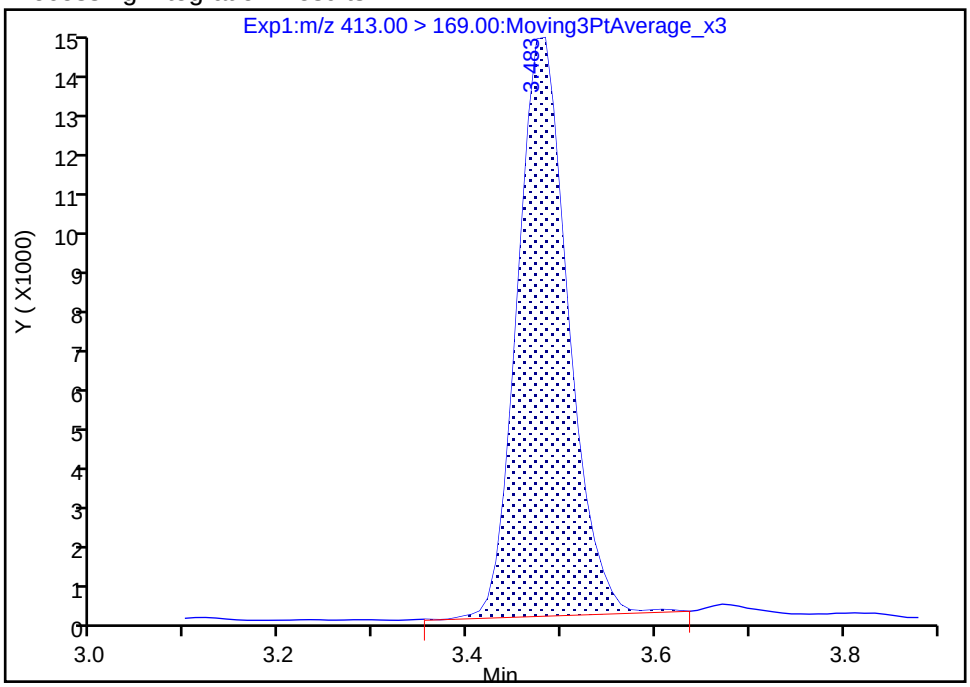
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

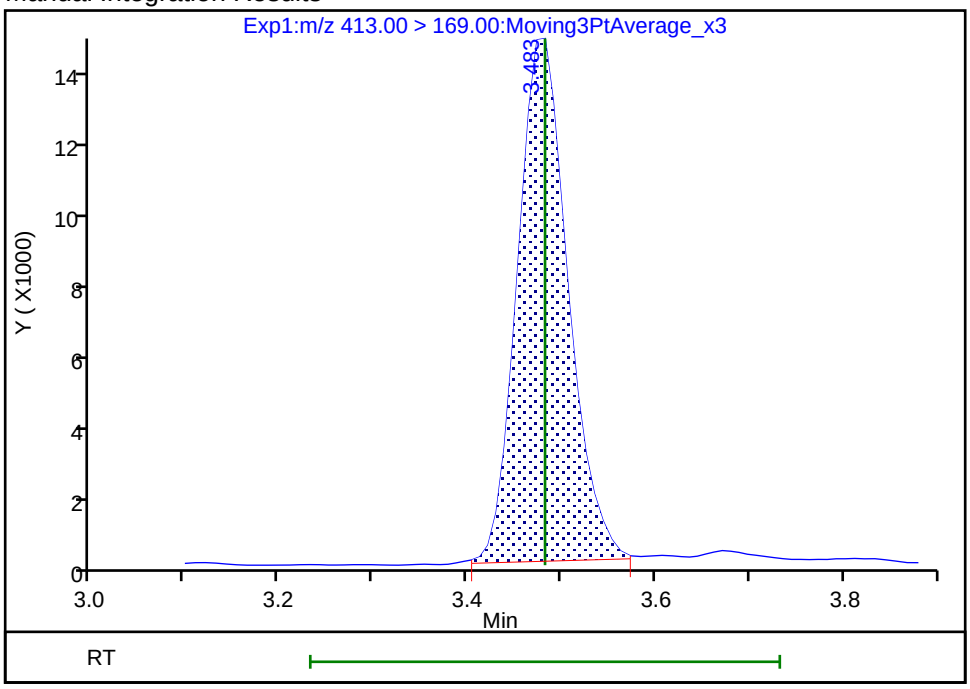
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:34:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

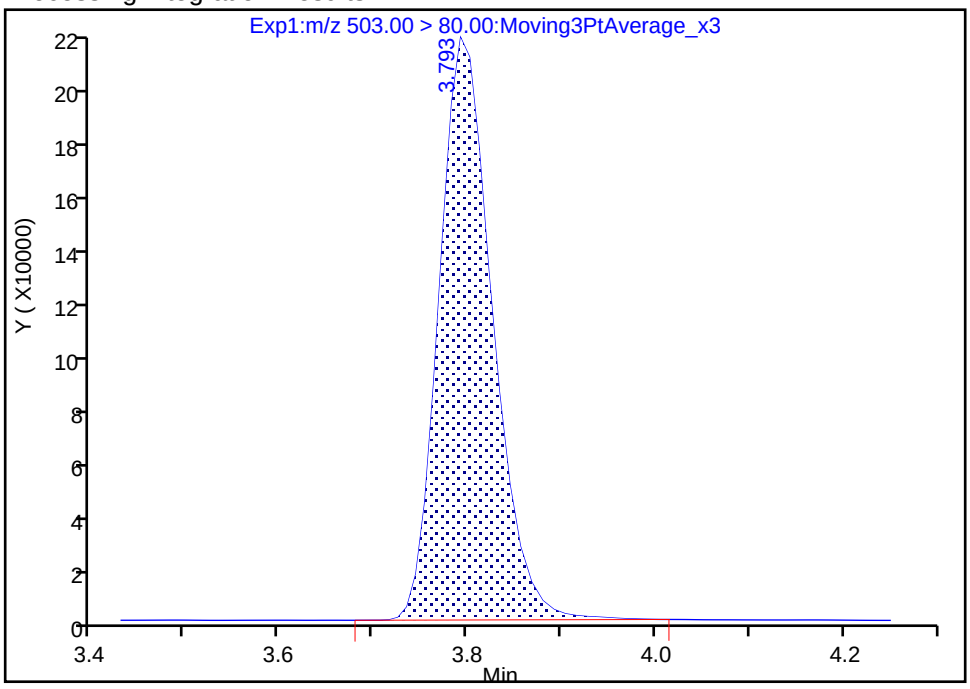
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d				
Injection Date:	03-Aug-2022 13:08:29	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

D 18 13C4 PFOS, CAS: STL00991

Signal: 1

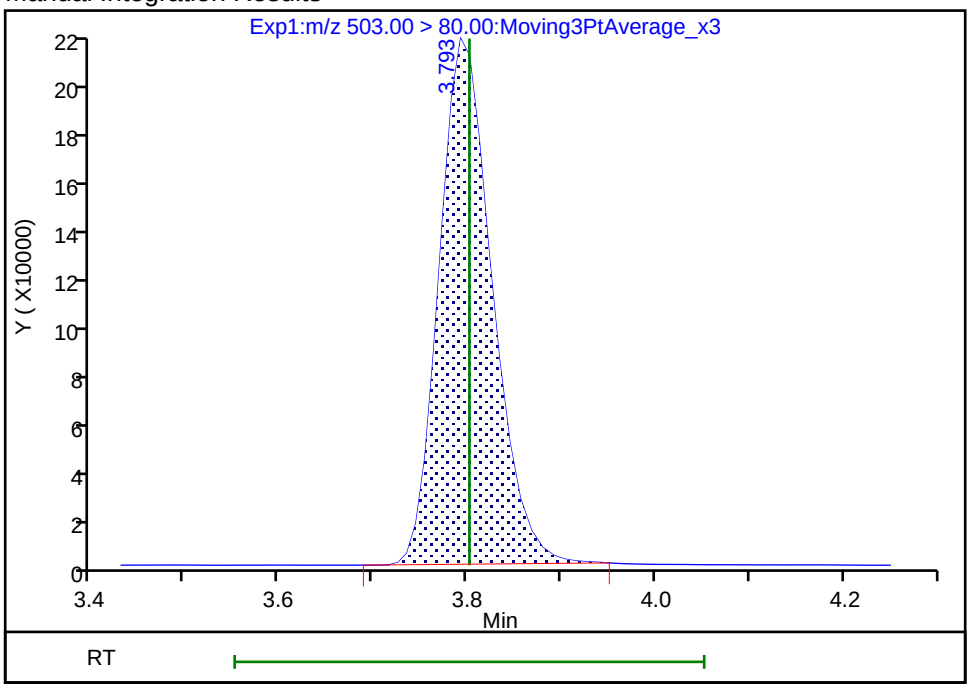
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:34:22

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

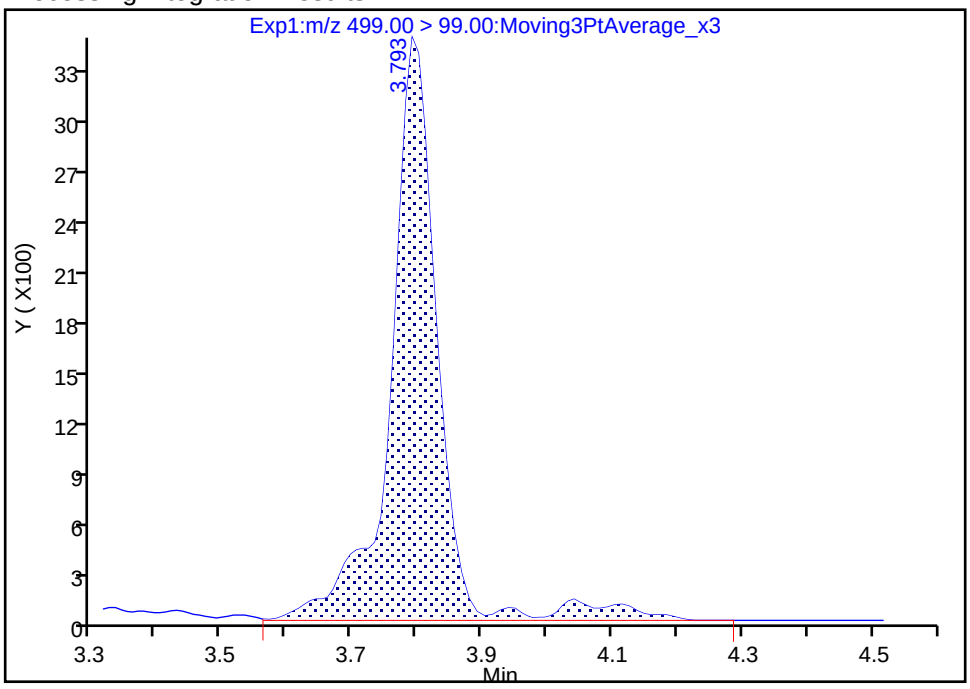
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Injection Date:	03-Aug-2022 13:08:29	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

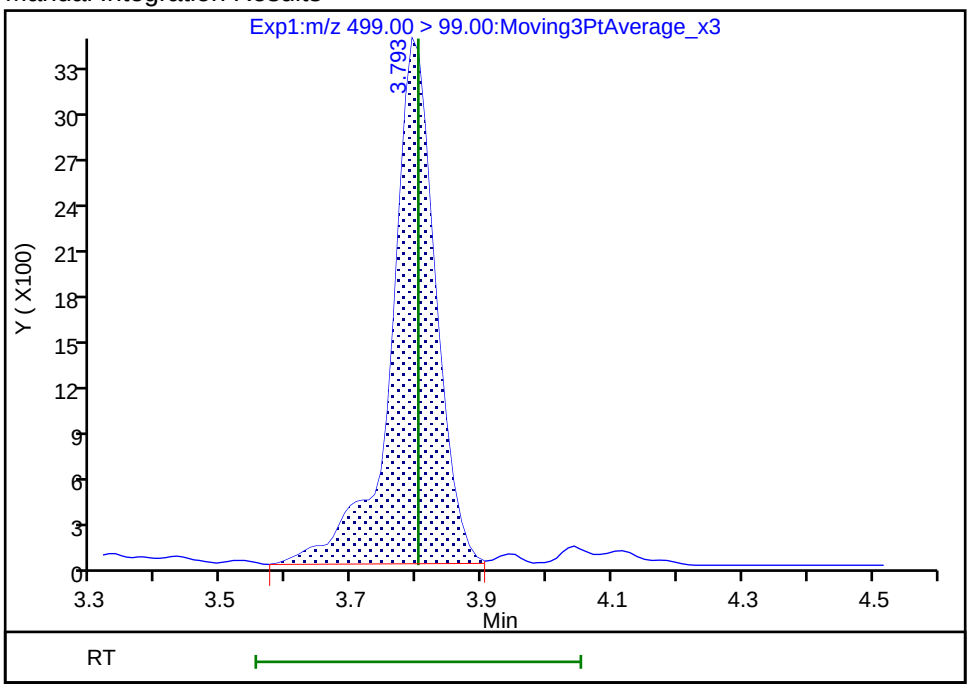
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:34:49

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

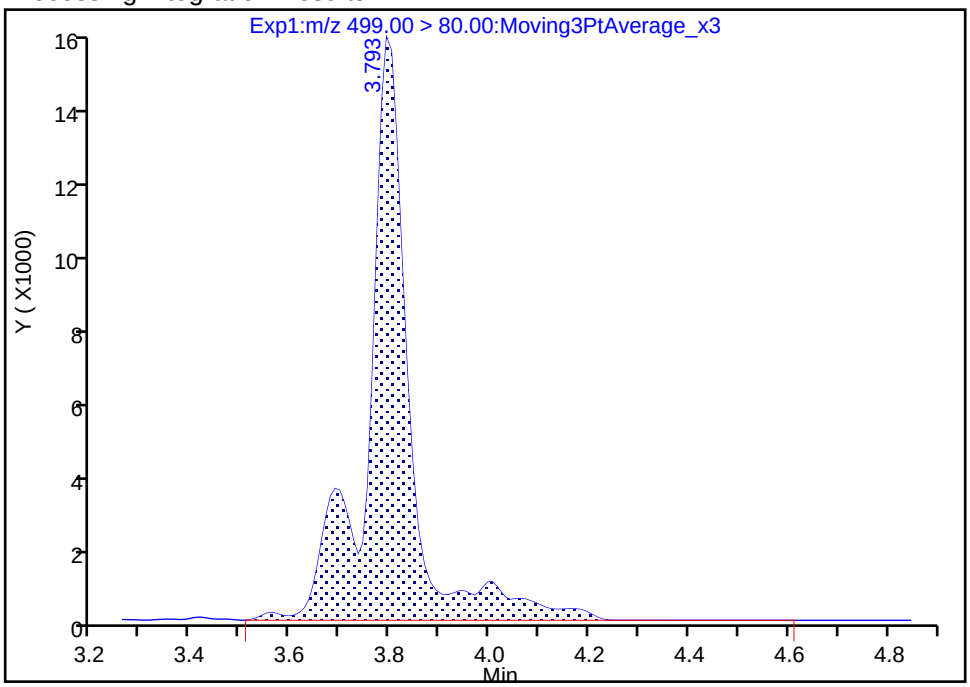
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

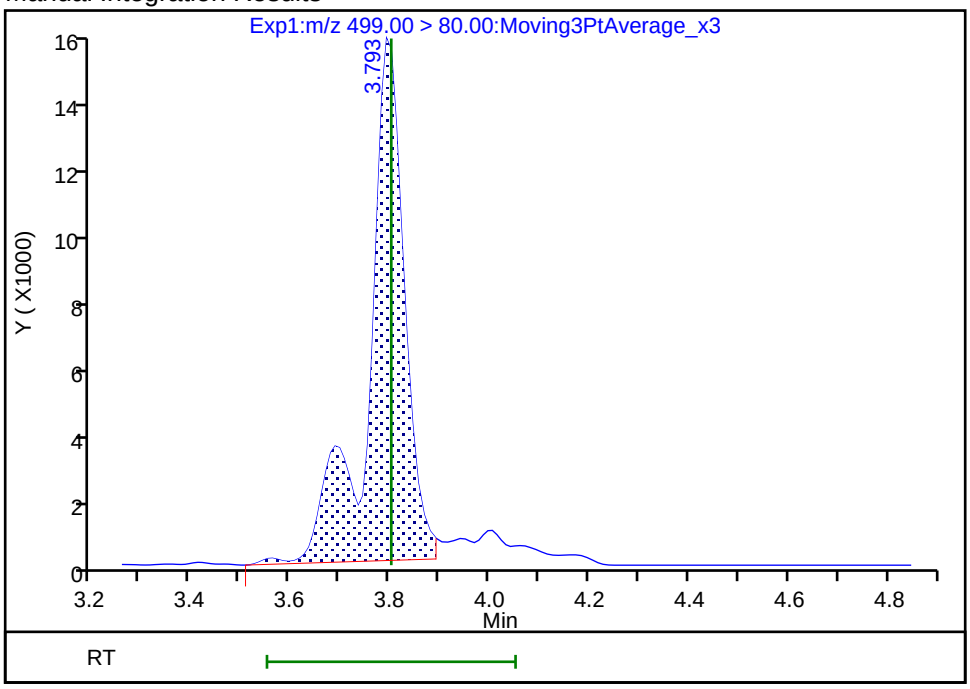
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

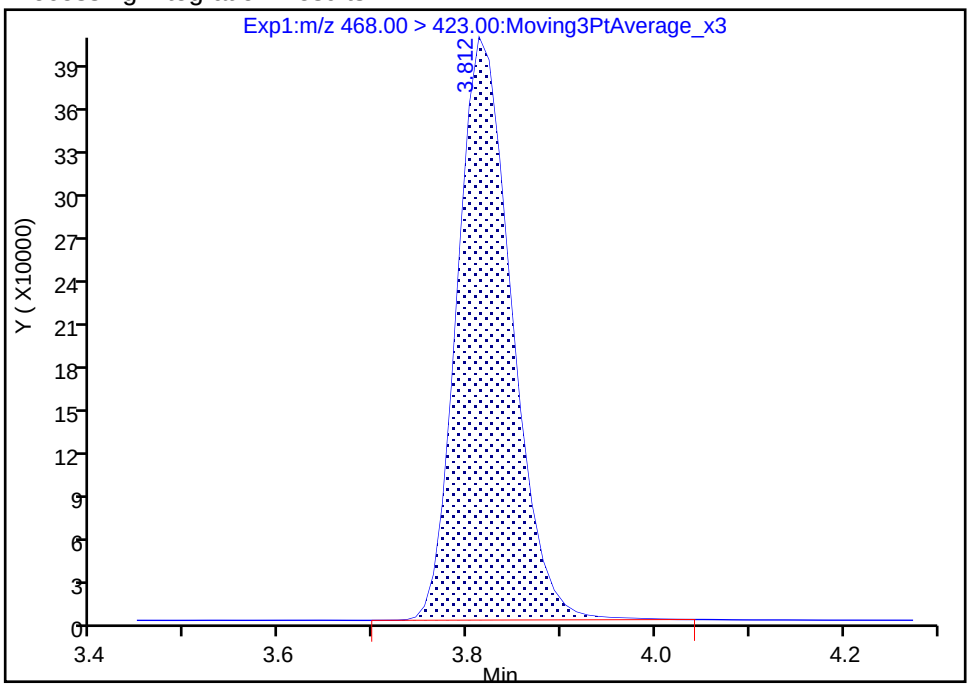
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

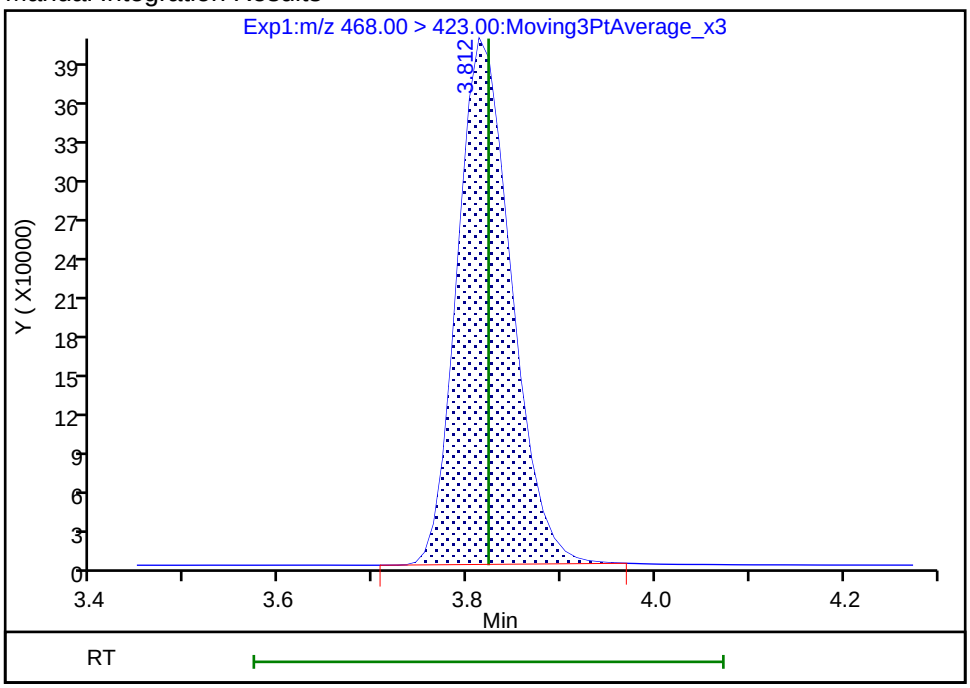
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:35:01
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

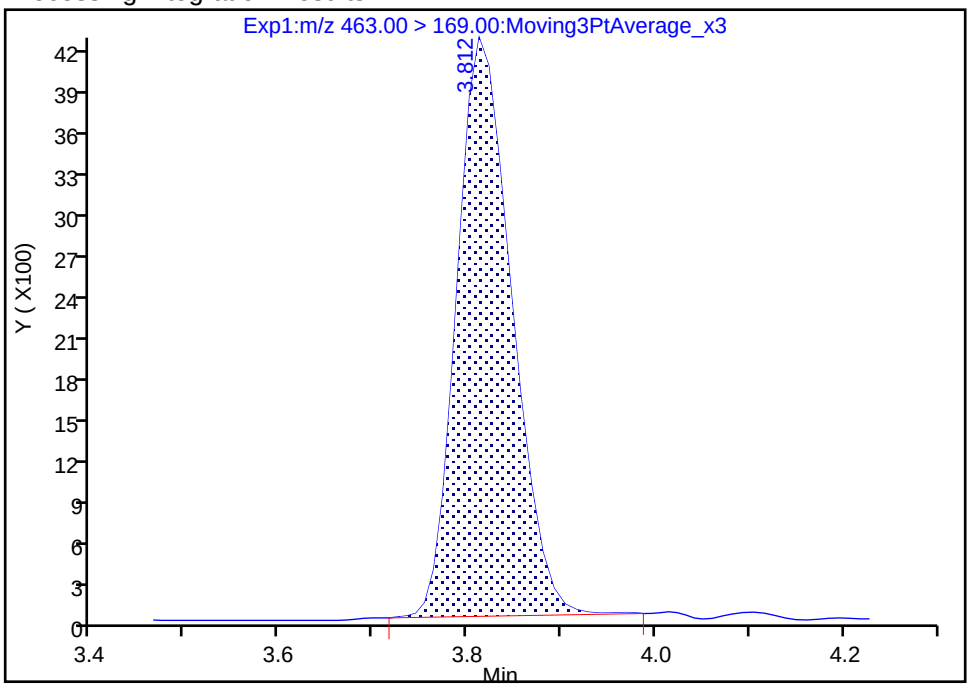
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

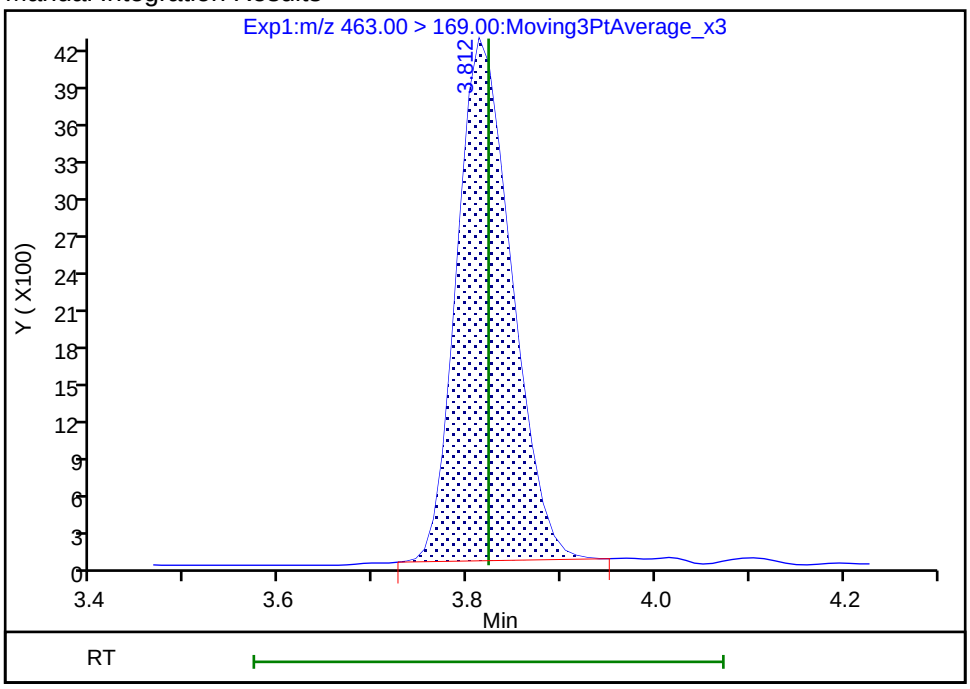
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

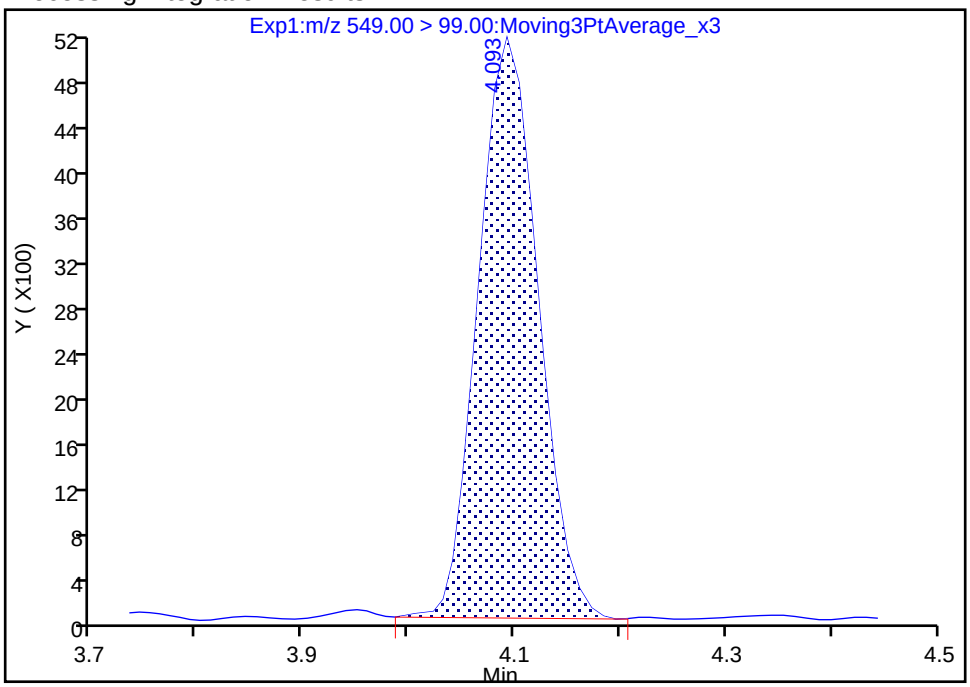
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d				
Injection Date:	03-Aug-2022 13:08:29	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

68 Perfluorononanesulfonic acid, CAS: 68259-12-1

Signal: 2

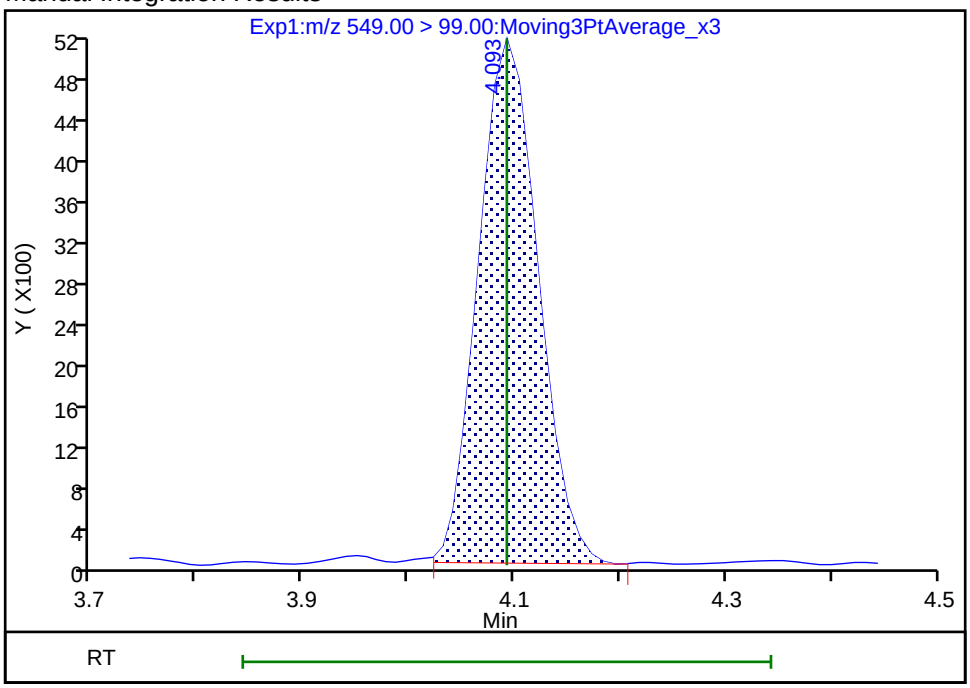
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:35:16

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

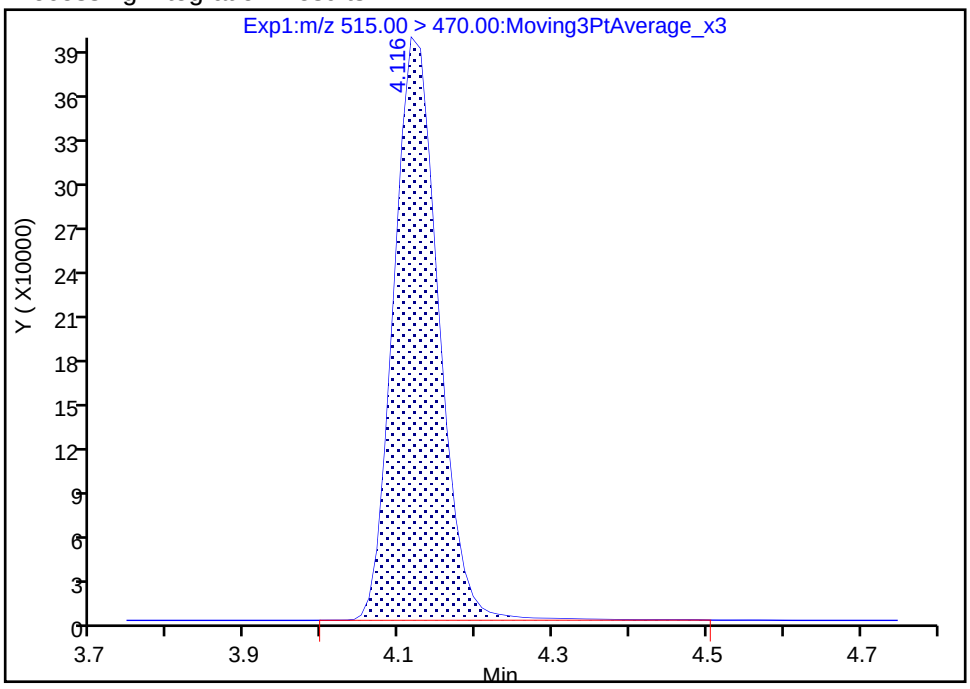
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

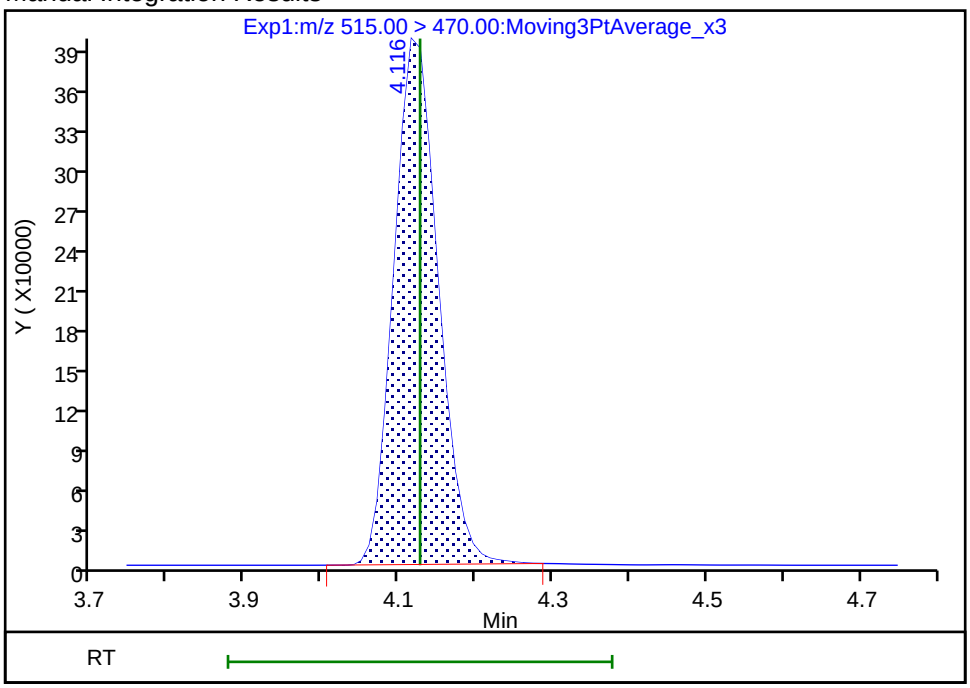
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:35:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

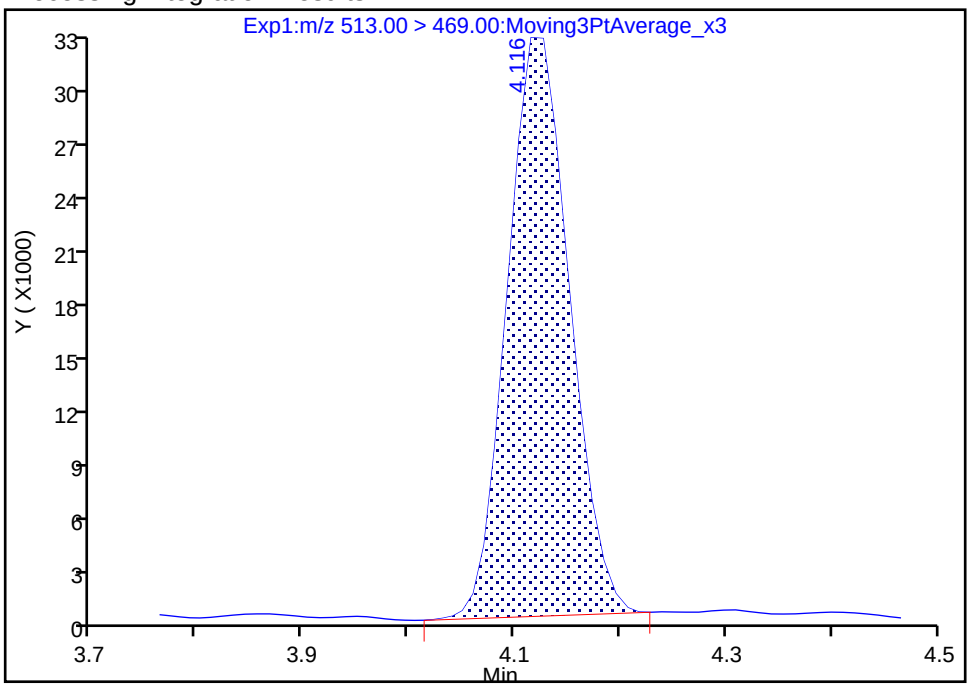
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

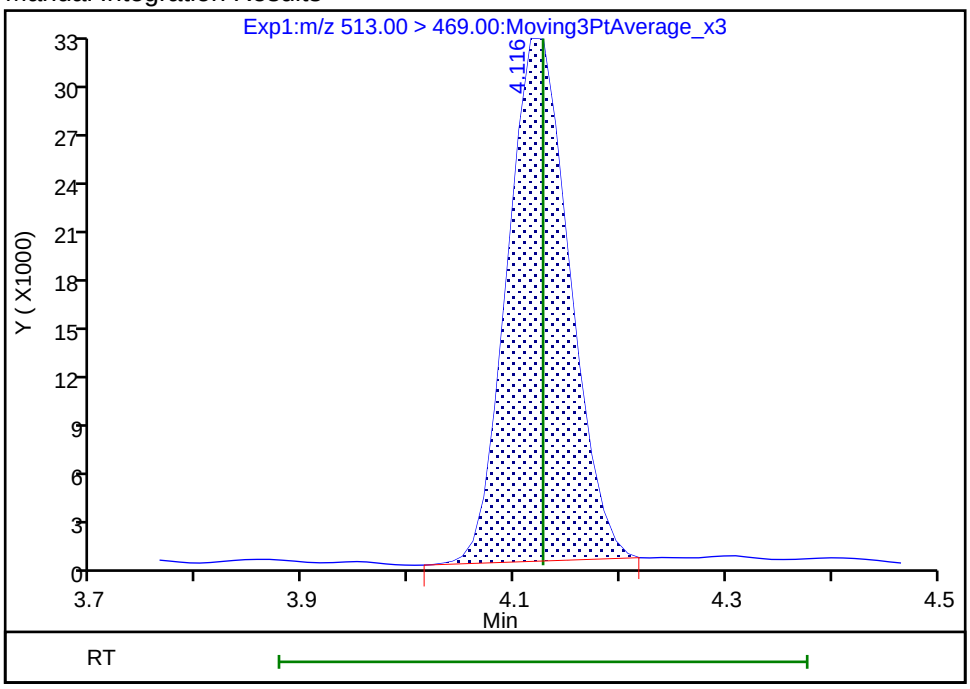
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

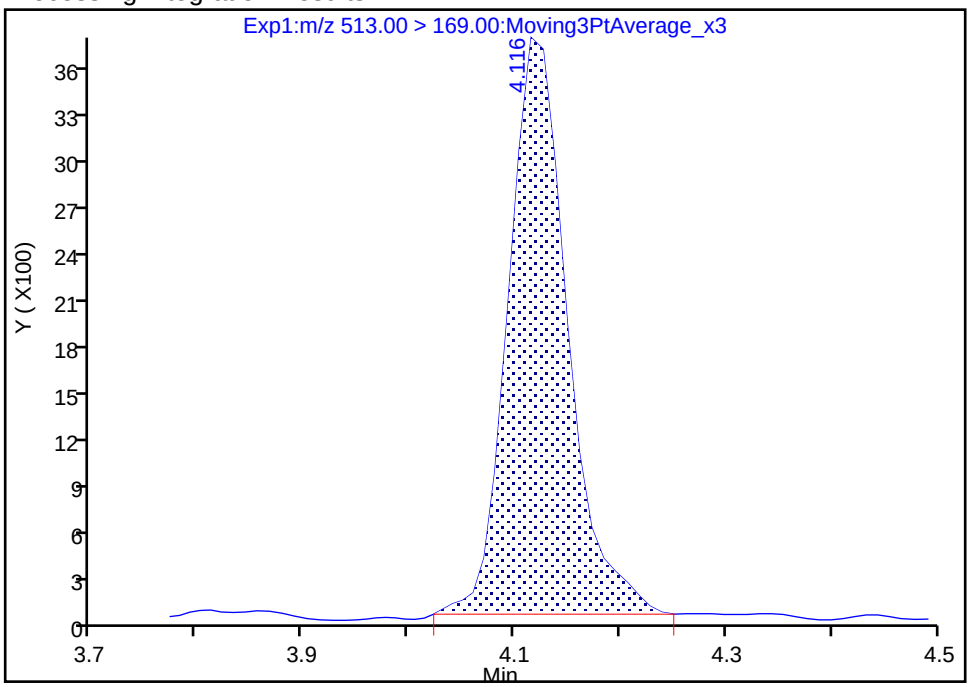
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d				
Injection Date:	03-Aug-2022 13:08:29	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

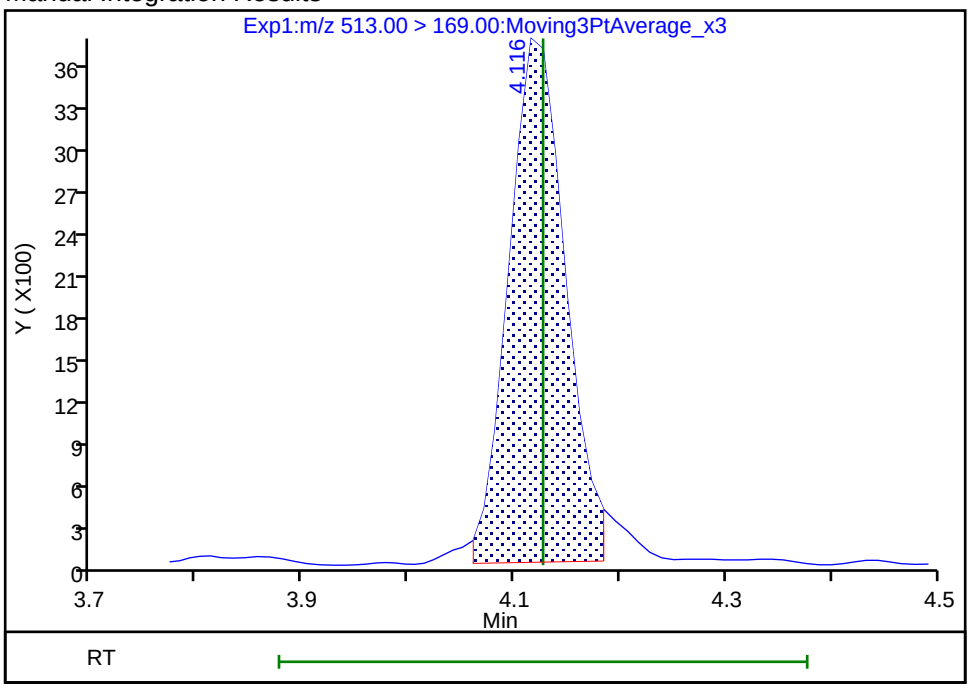
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:35:39
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

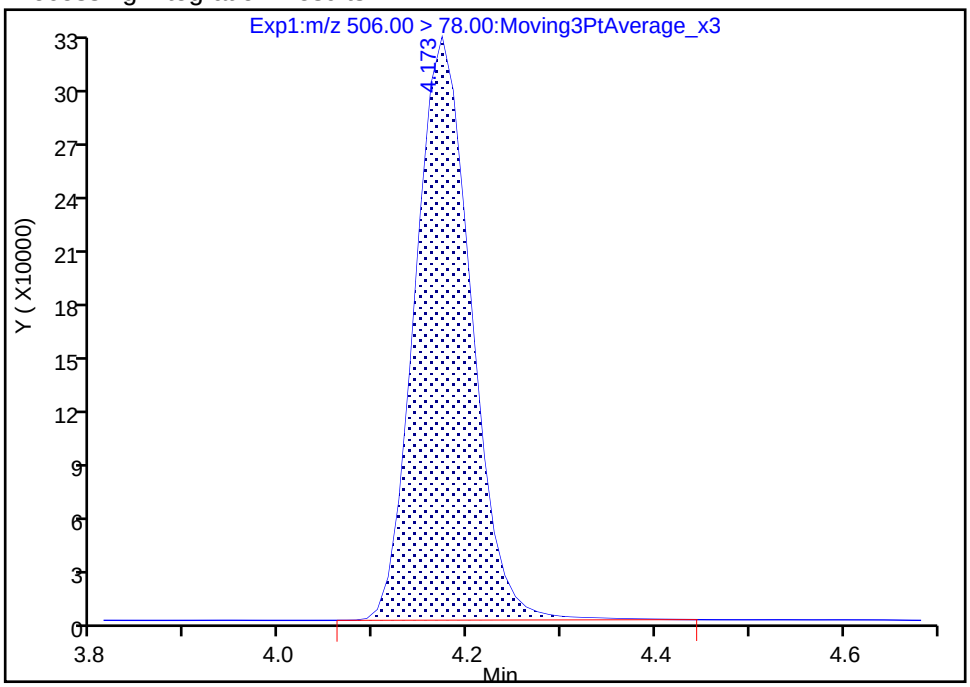
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

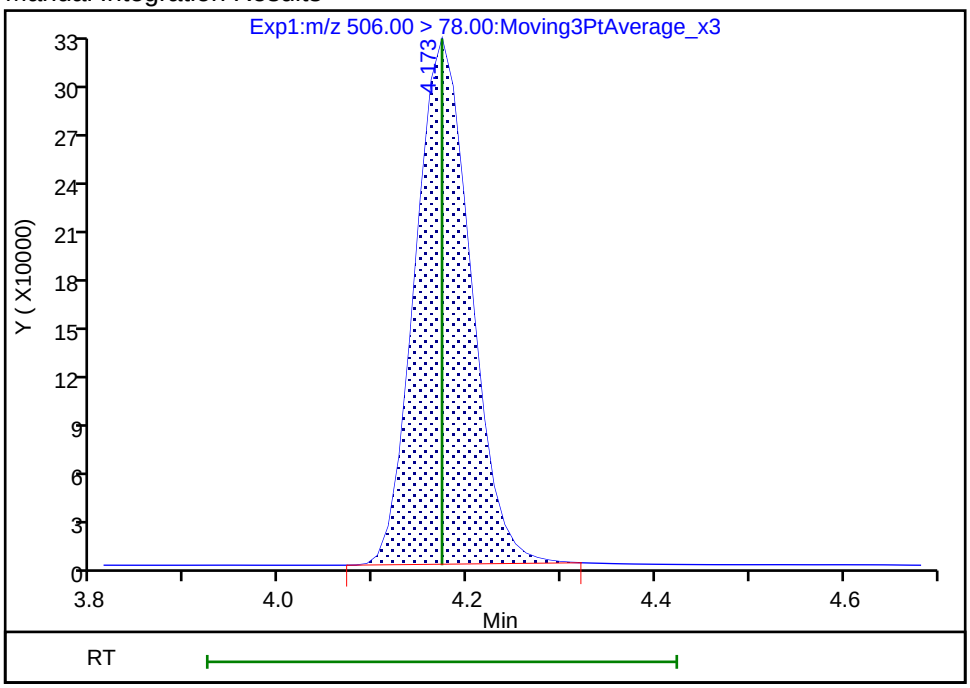
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

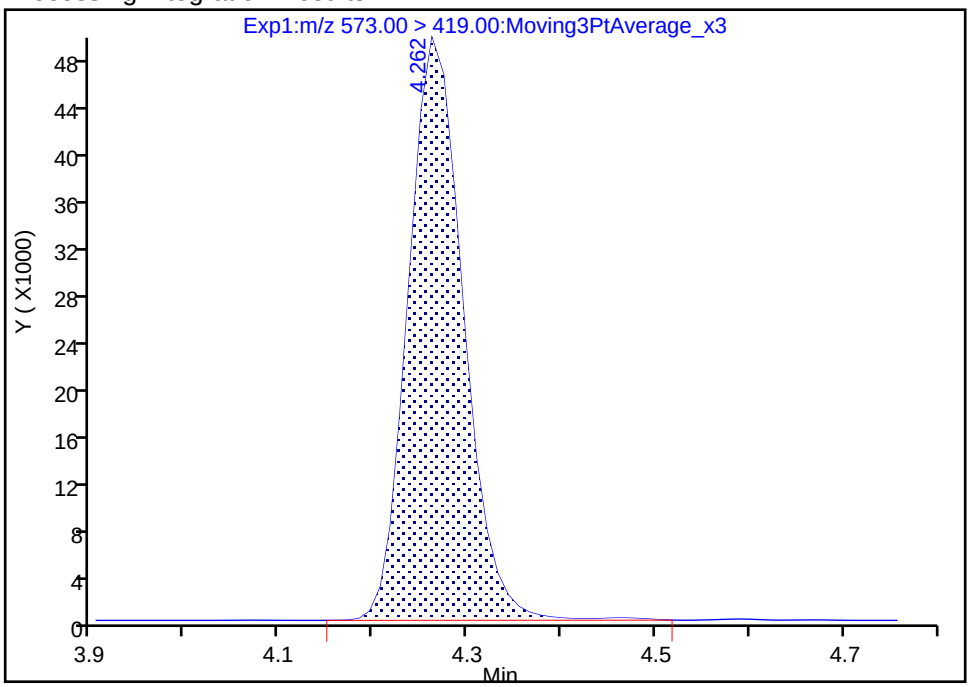
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

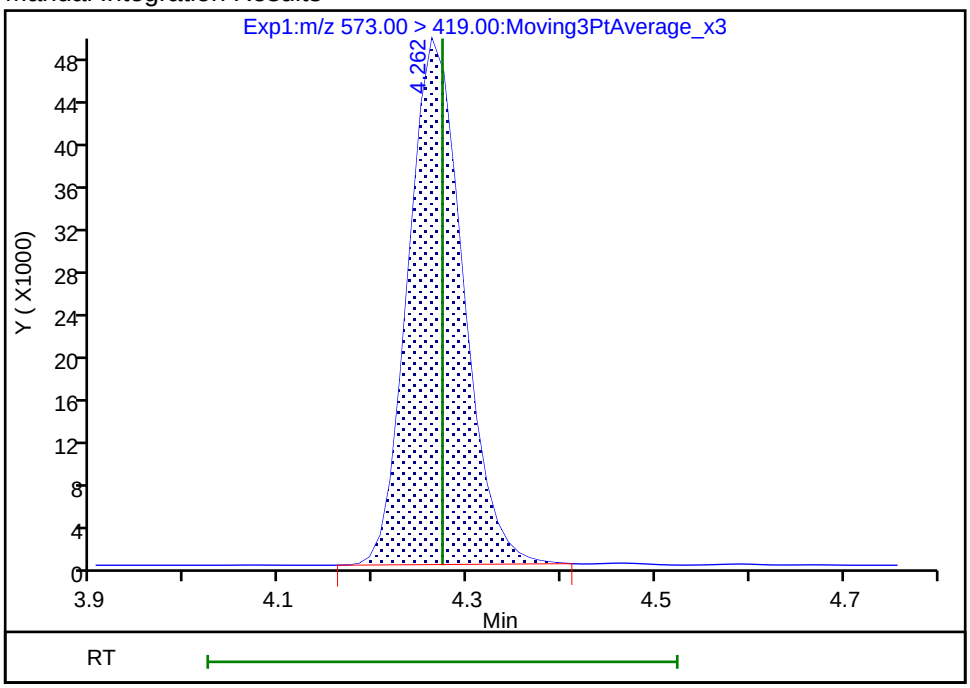
Processing Integration Results

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



Manual Integration Results

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



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

Eurofins Burlington

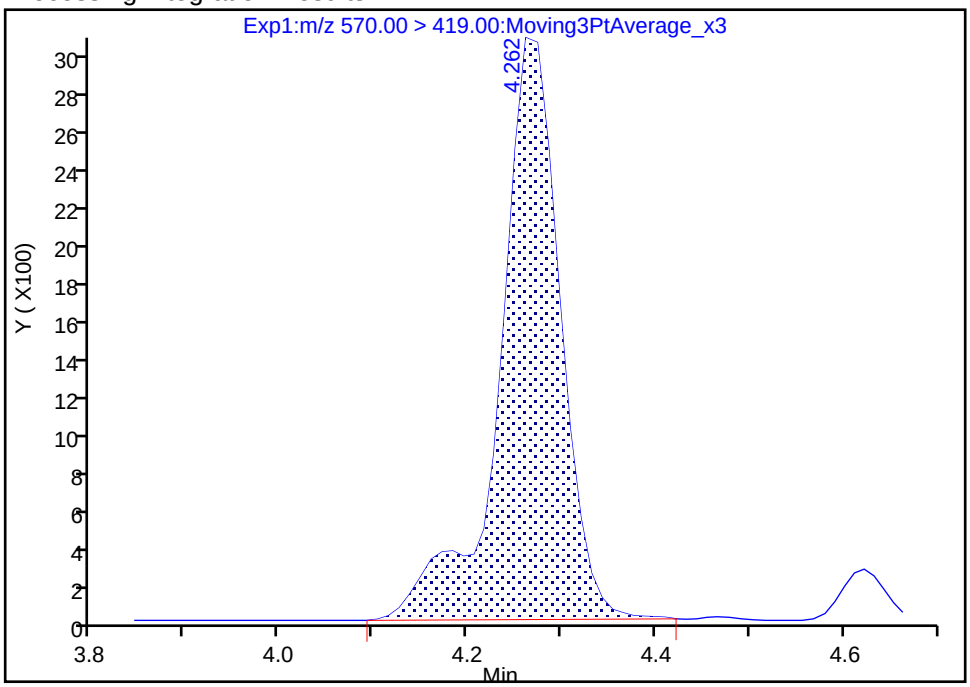
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d				
Injection Date:	03-Aug-2022 13:08:29	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

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

Signal: 1

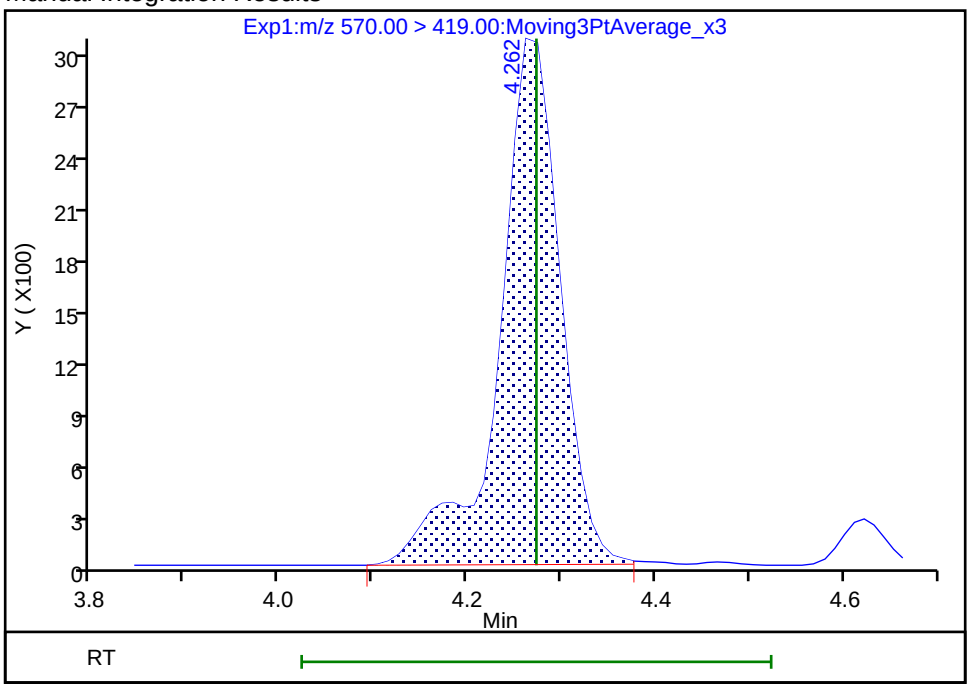
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

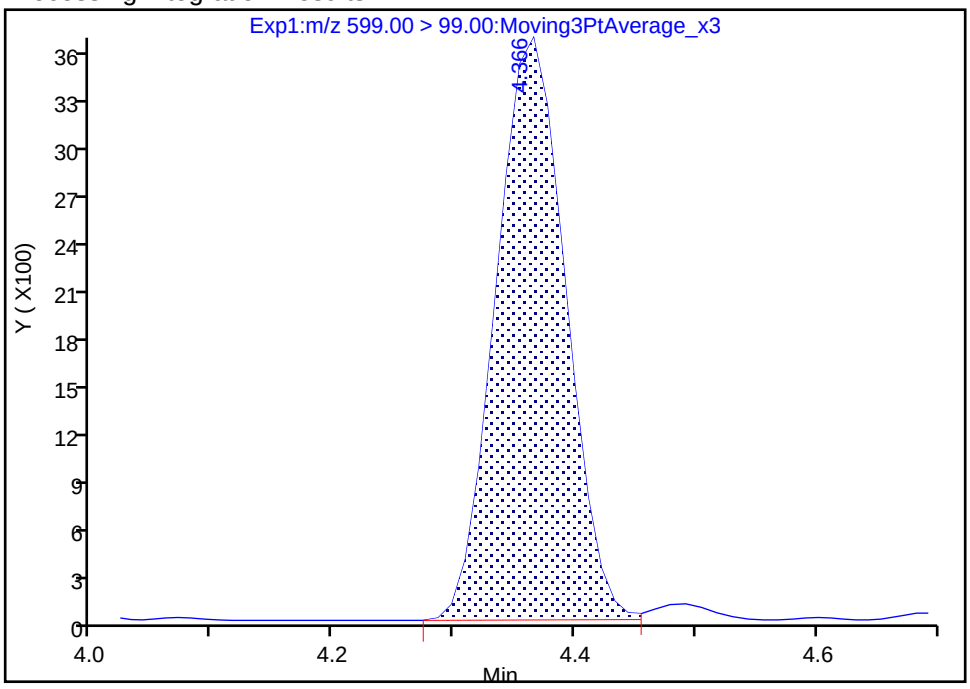
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

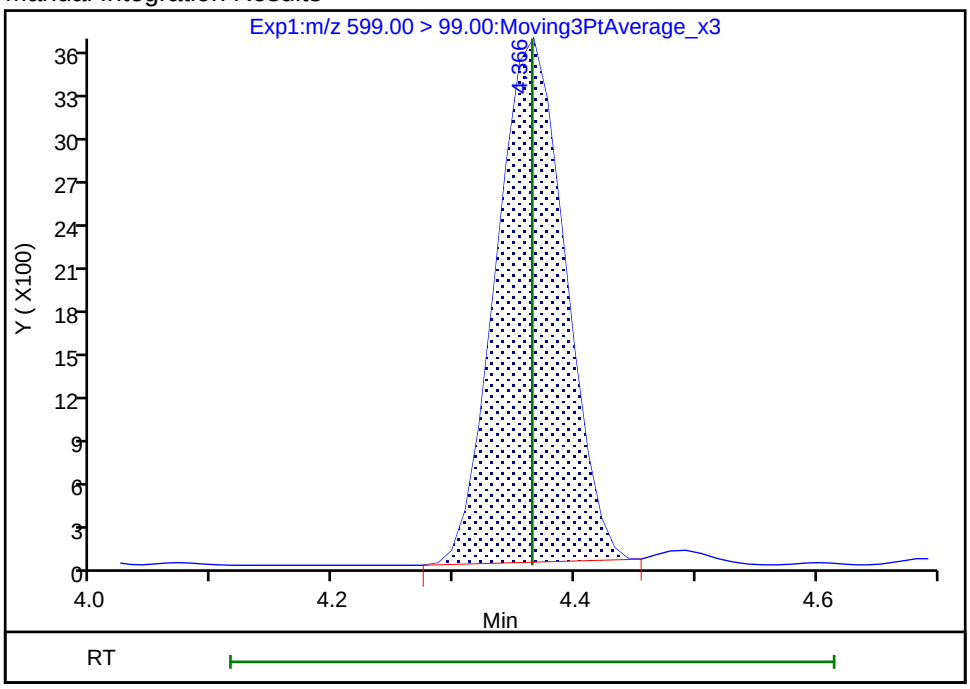
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

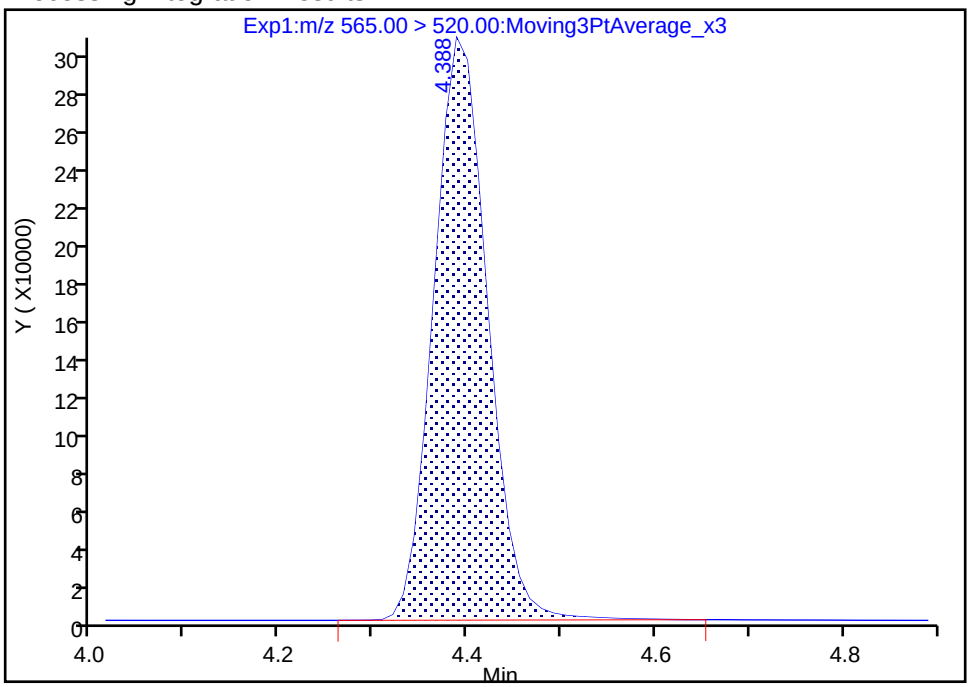
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

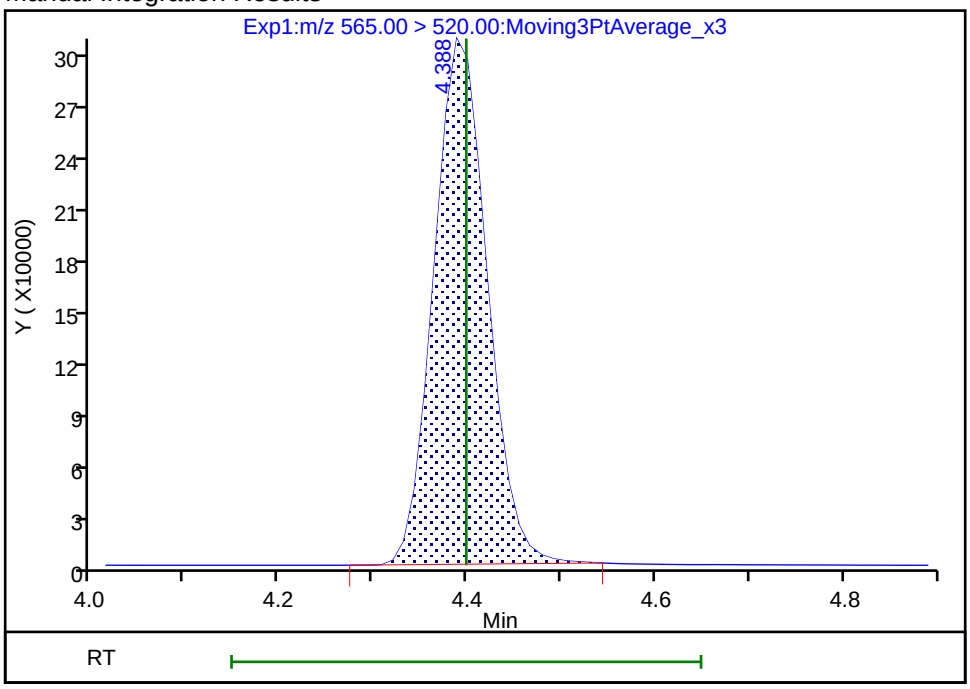
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

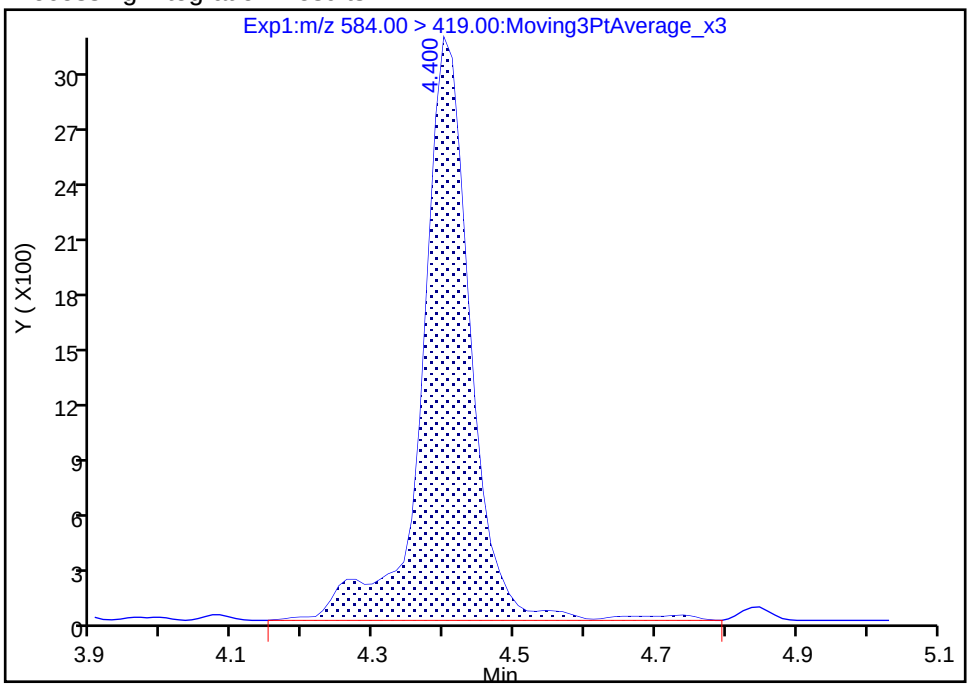
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

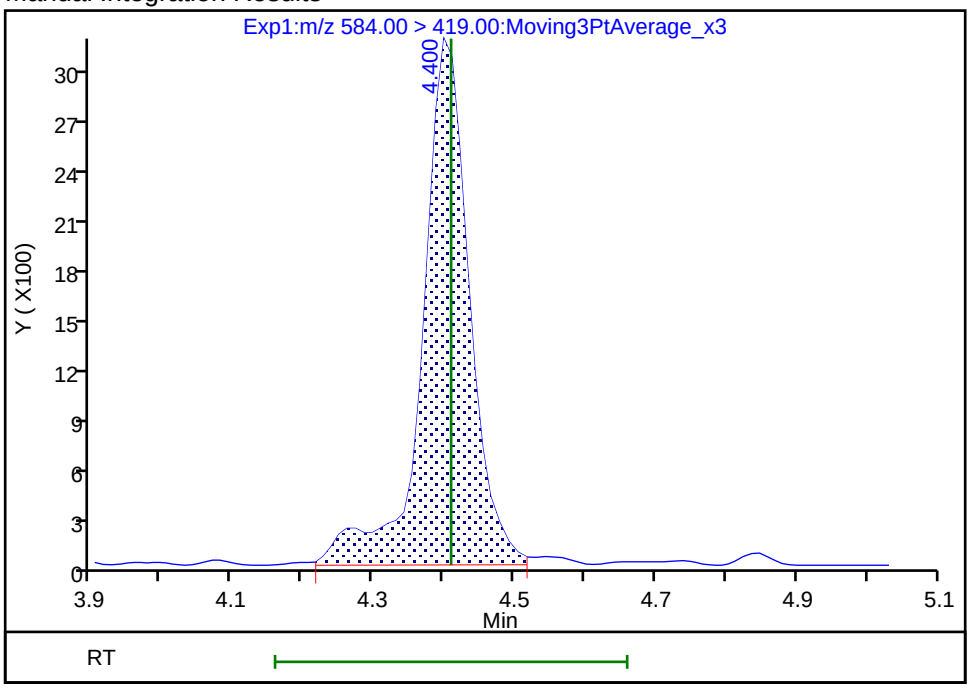
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

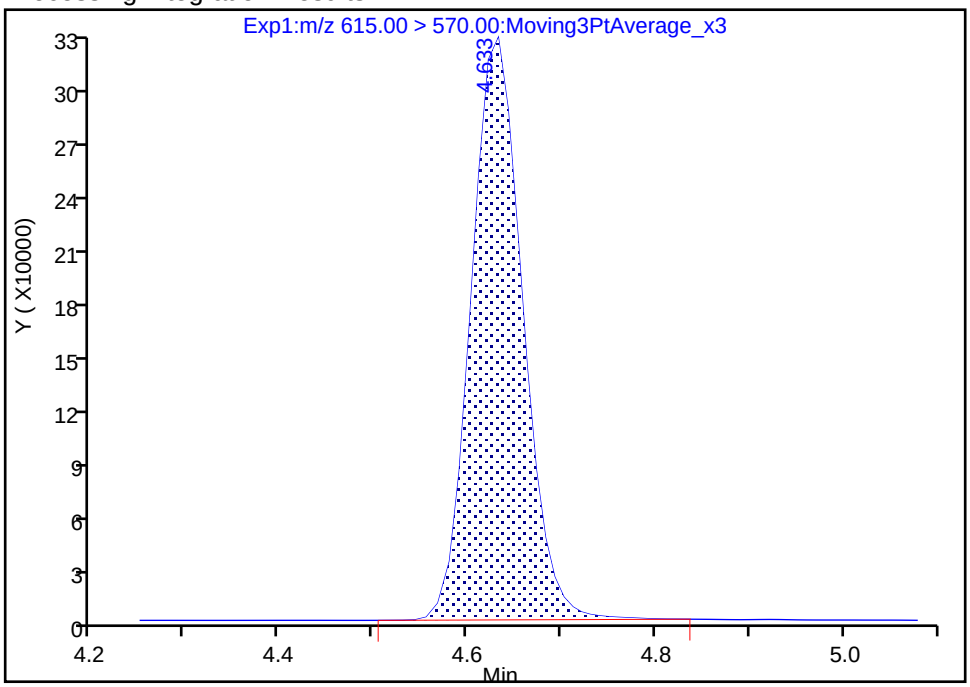
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 36 13C2 PFDoA, CAS: STL00998

Signal: 1

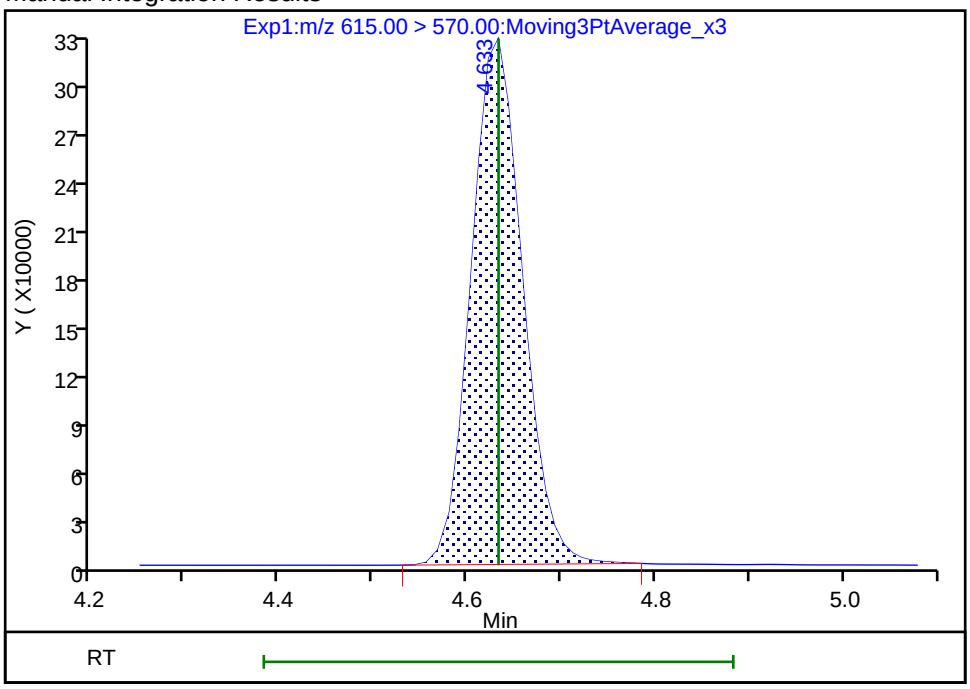
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

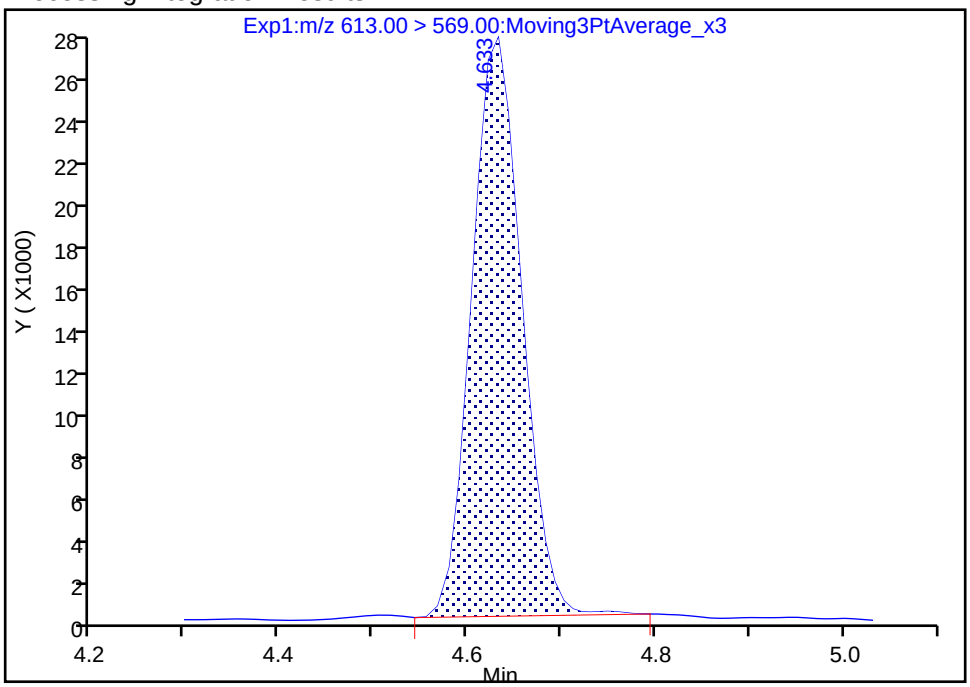
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d				
Injection Date:	03-Aug-2022 13:08:29	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

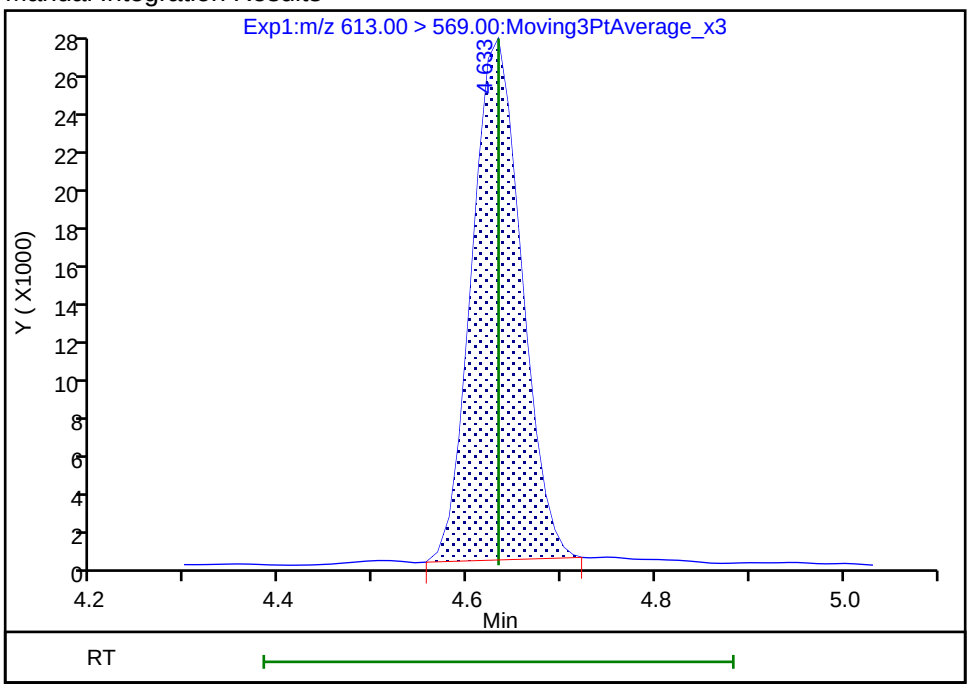
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:37:02

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

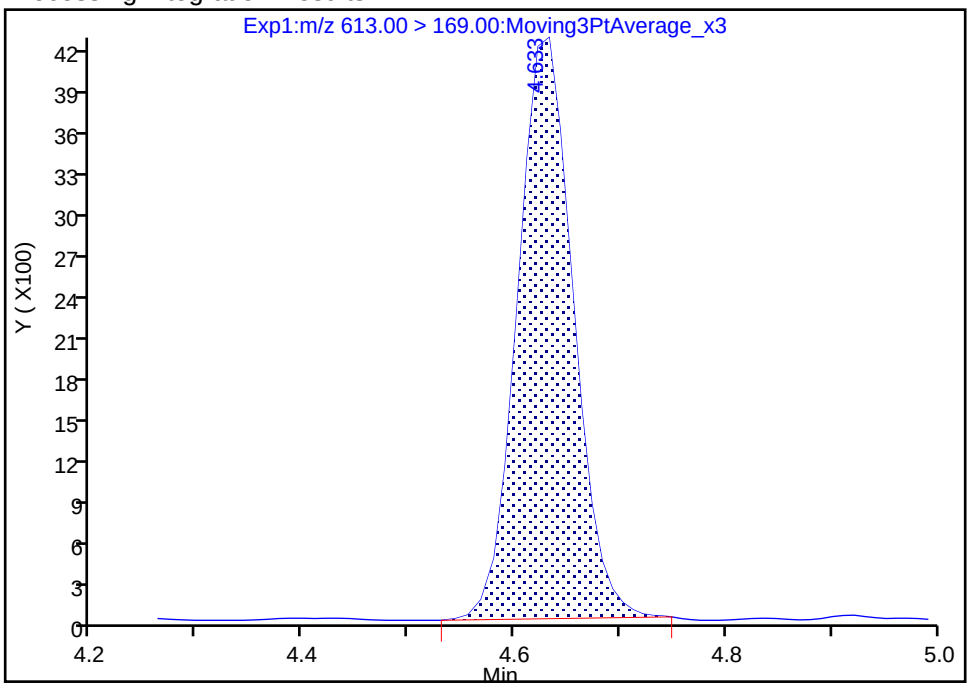
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d				
Injection Date:	03-Aug-2022 13:08:29	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

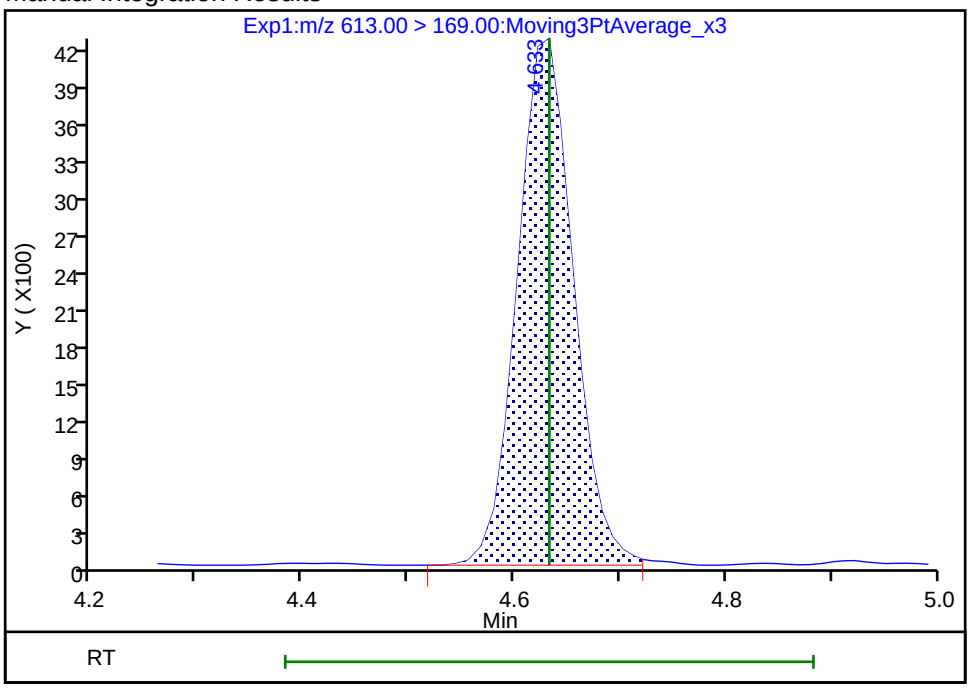
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:37:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

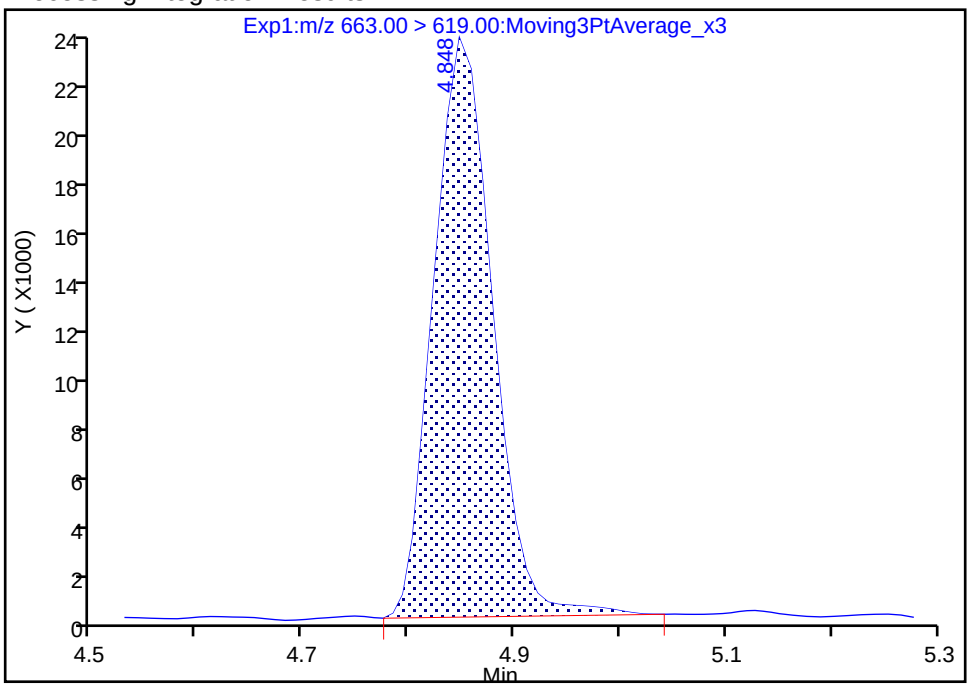
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d				
Injection Date:	03-Aug-2022 13:08:29	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

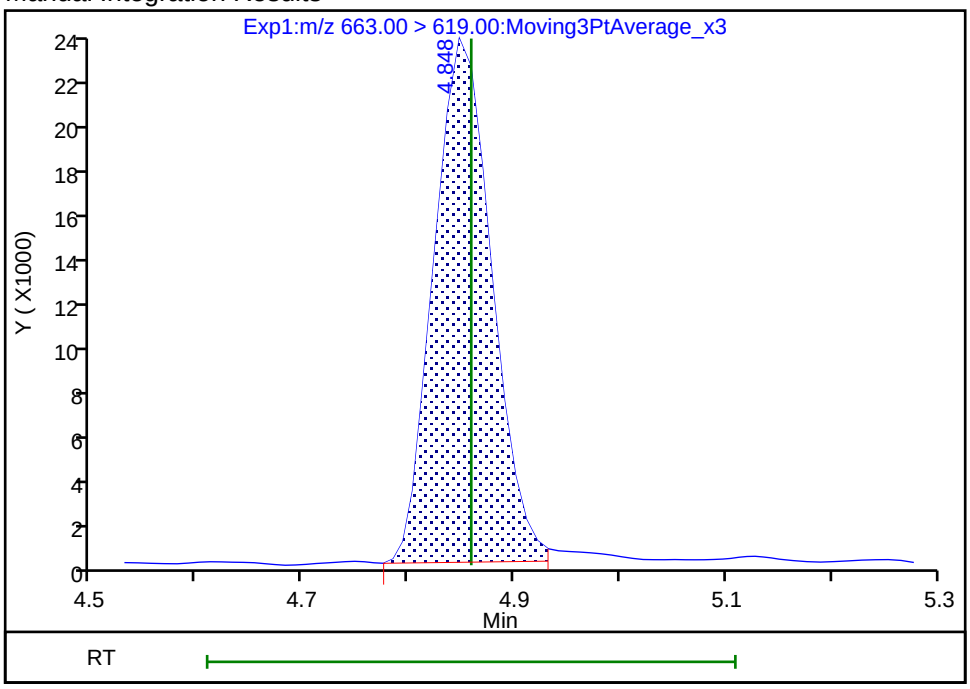
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:37:35

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

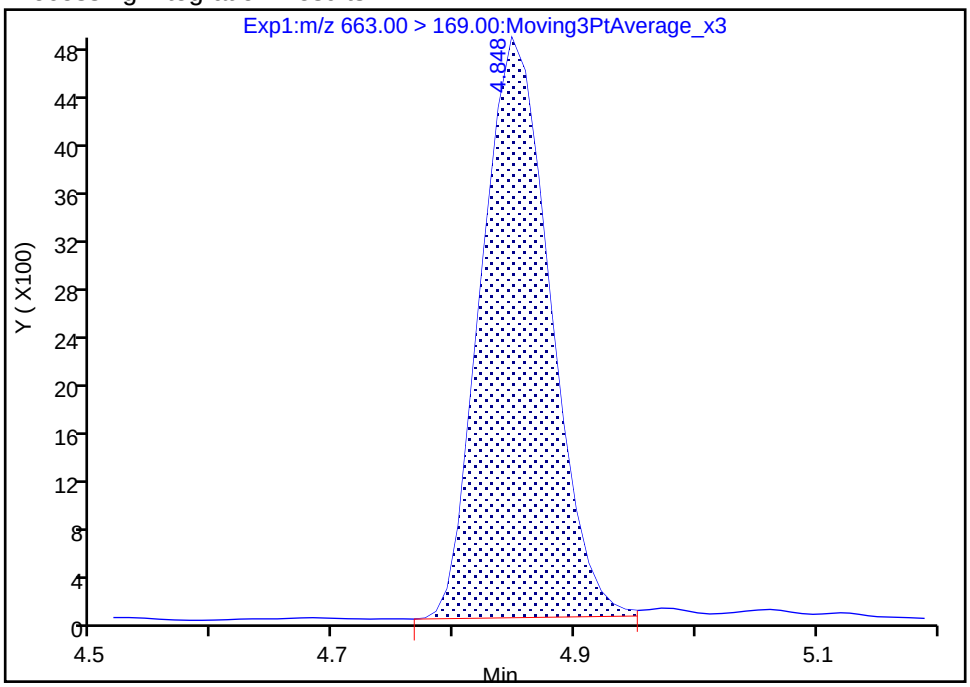
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d				
Injection Date:	03-Aug-2022 13:08:29	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

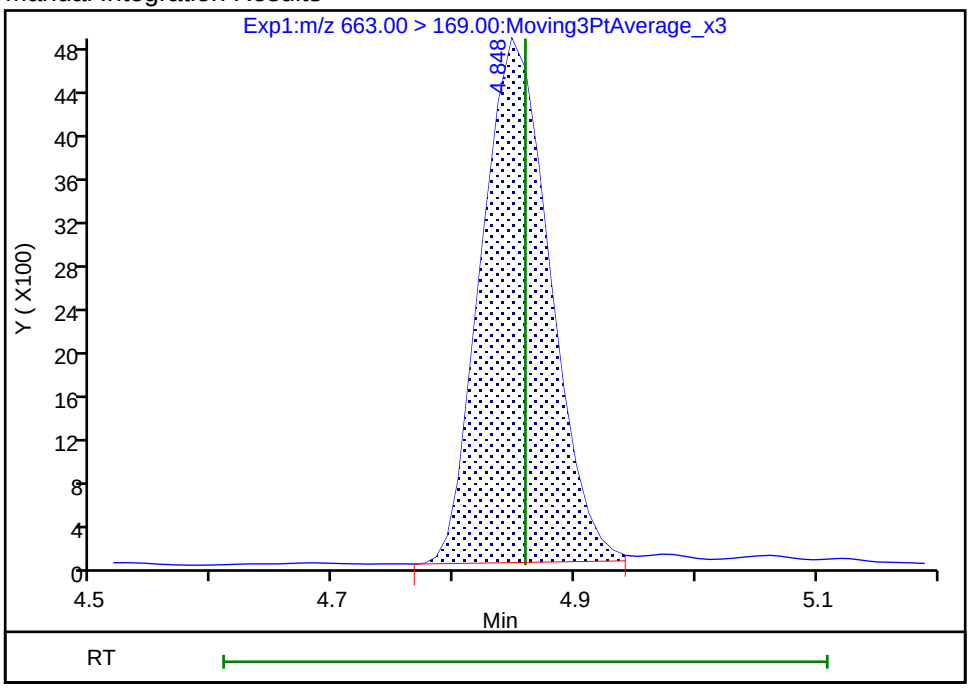
Processing Integration Results

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



Manual Integration Results

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



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

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

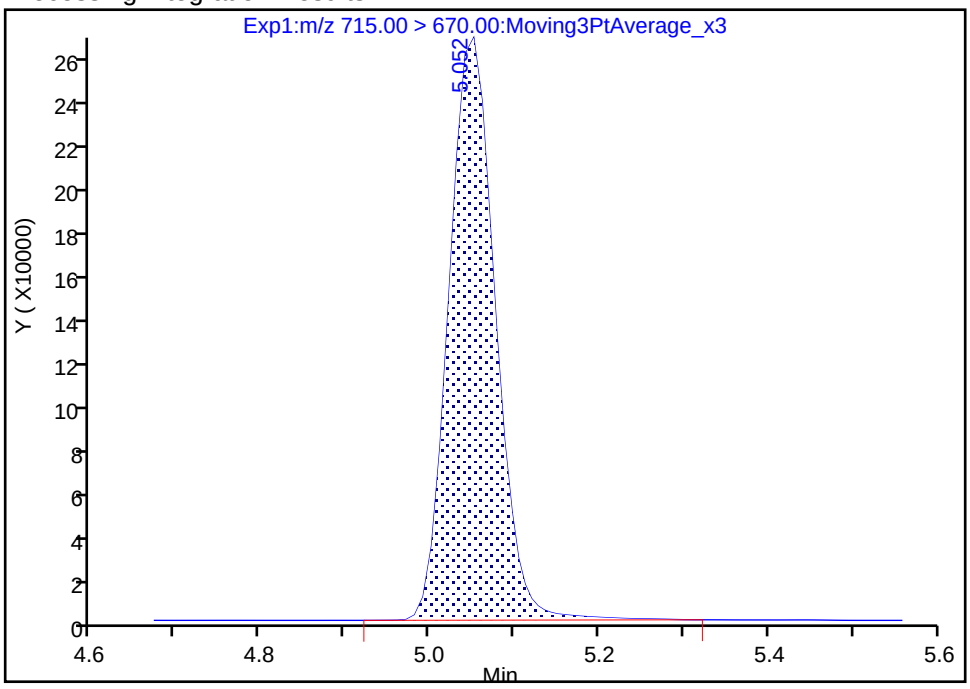
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

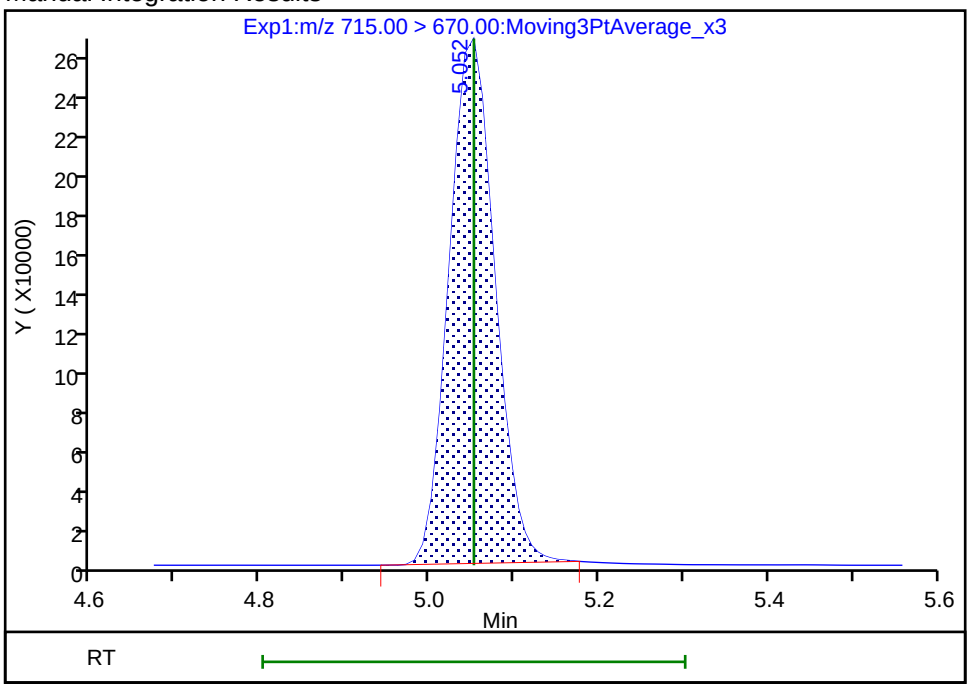
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

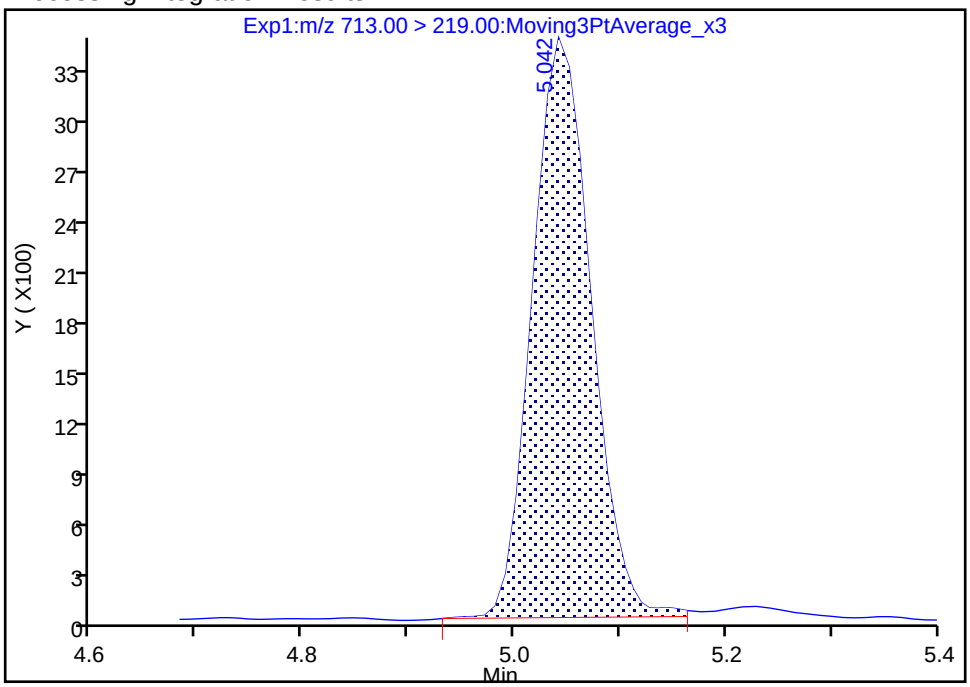
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d
Injection Date: 03-Aug-2022 13:08:29 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

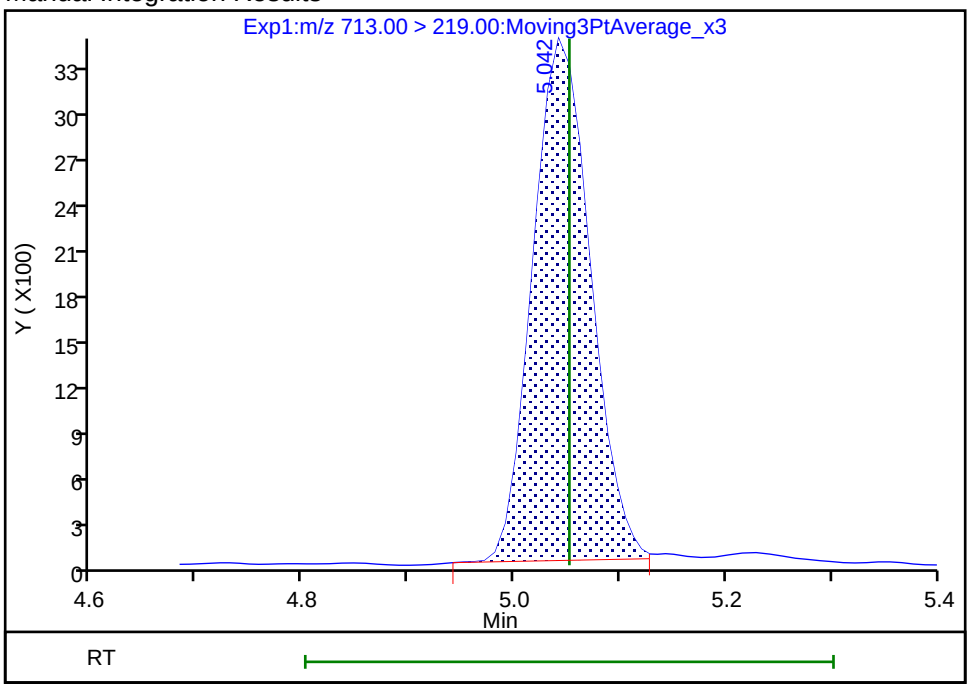
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

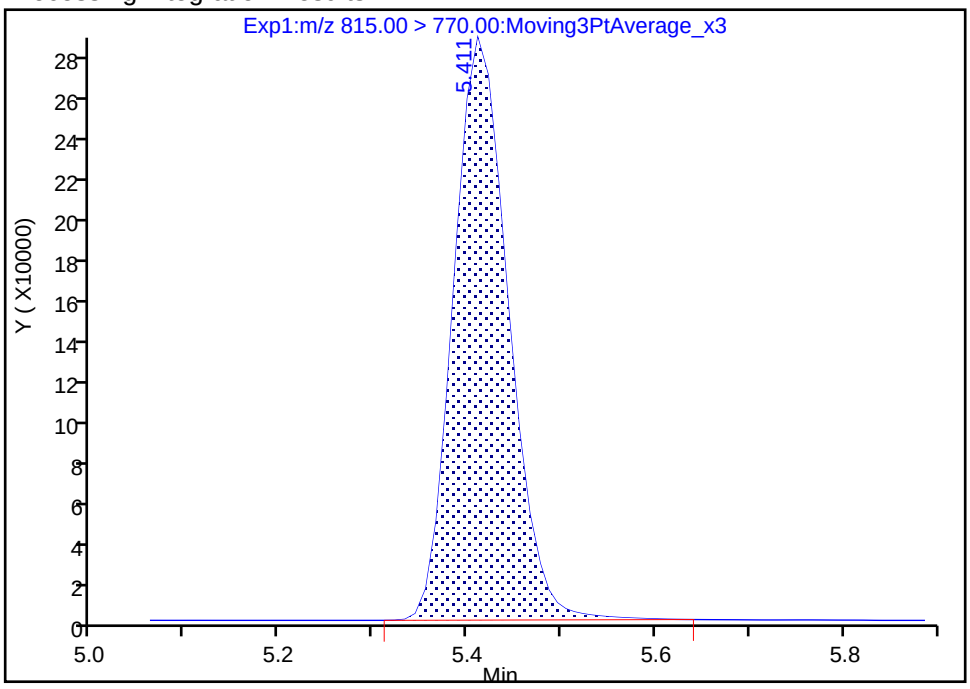
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d				
Injection Date:	03-Aug-2022 13:08:29	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

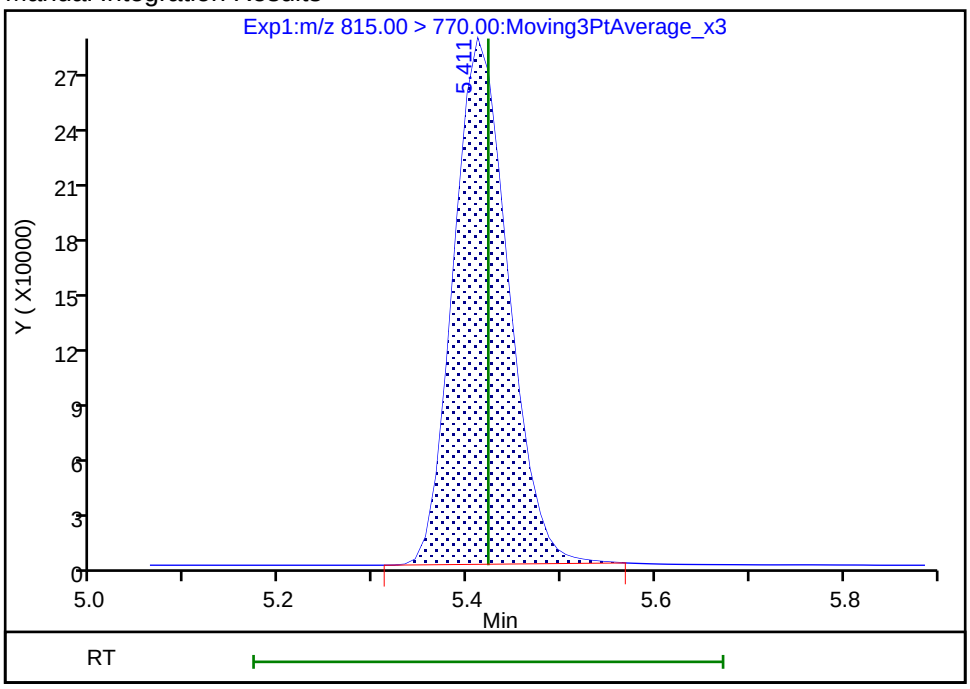
Processing Integration Results

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



Manual Integration Results

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



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

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

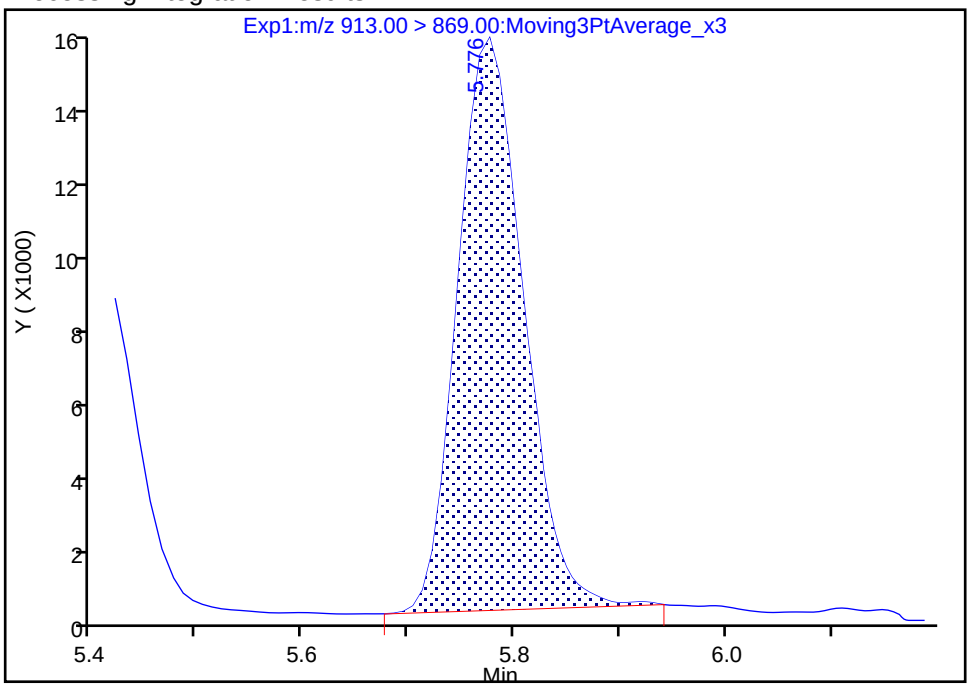
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d				
Injection Date:	03-Aug-2022 13:08:29	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

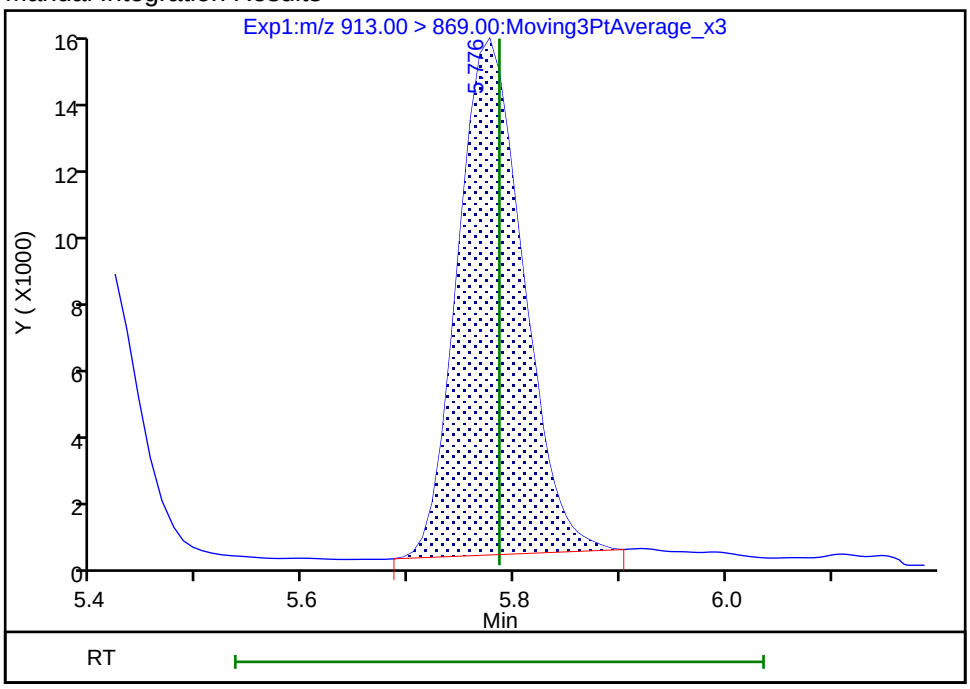
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

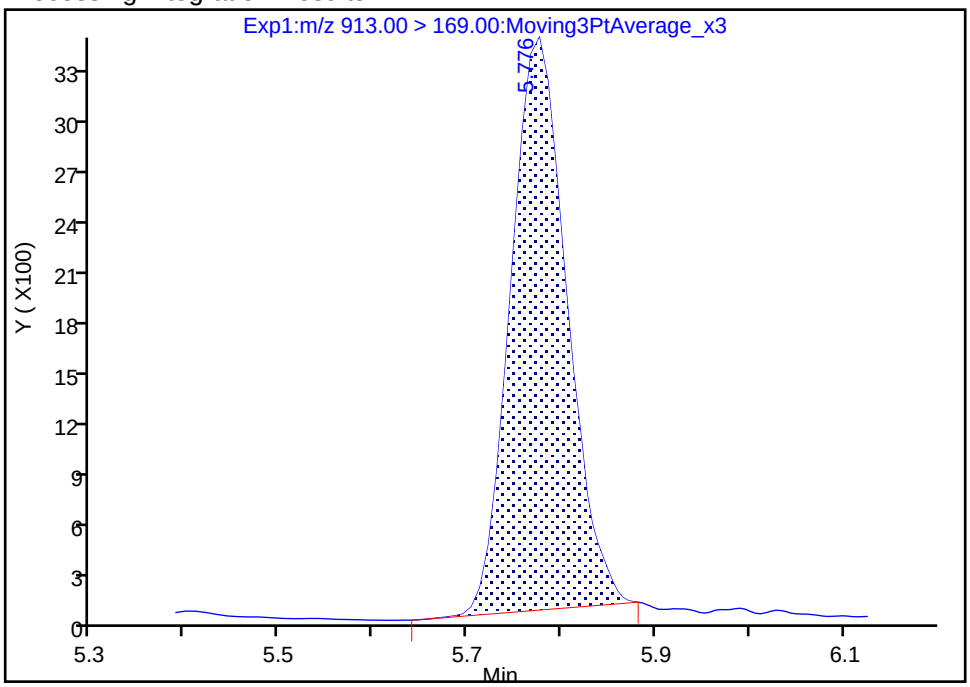
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL06.d				
Injection Date:	03-Aug-2022 13:08:29	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

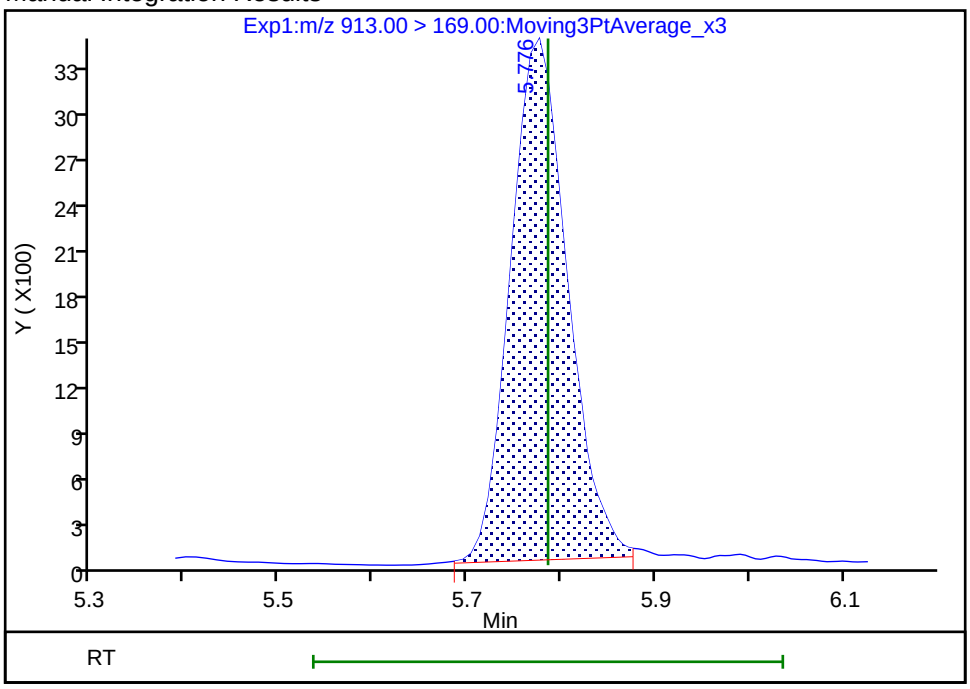
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:38:25
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 03-Aug-2022 13:16:40 ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 200-0051940-007 Plate: 1 Rack: 1
Operator ID: lc812tech Instrument ID: LC812
Sublist: chrom-PFC_LC812*sub3

Method: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 03-Aug-2022 14:25:14 Calib Date: 03-Aug-2022 13:41:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1672

First Level Reviewer: Z1IP Date: 03-Aug-2022 13:45:20
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										M
217.00 > 172.00	2.076	2.085	-0.009	0.596	1792010	1.23		98.0	7490	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.085	0.0	1.004	711450	0.5118		102	92.5	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.400	0.0	0.689	1422776	1.26		101	3390	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.400	2.400	0.0	1.000	591383	0.5040		101	24.9	M
D 47 13C3 PFBS										
301.90 > 80.00	2.413	2.413	0.0	0.693	1530333	1.18		101	251465	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.413	2.413	0.0	1.000	638698	0.4395	Target=2.18	99.4	669	
298.90 > 99.00	2.413	2.413	0.0	1.000	299493		2.13(1.09-3.28)	99.4	269	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.713	2.713	0.0	0.779	130321	1.16		99.6	142	M
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.713	2.713	0.0	1.000	127514	0.4806		103	1843	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.750	2.750	0.0	1.000	601465	0.5028	Target=12.37	101	143	M
313.00 > 119.00	2.750	2.750	0.0	1.000	48082		12.51(6.19-18.56)	101	82.1	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.750	2.750	0.0	0.790	1432991	1.28		102	2856	
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.750	2.762	-0.012	0.881	579172	0.4932	Target=3.00	105	1043	
349.00 > 99.00	2.750	2.762	-0.012	0.881	188472		3.07(1.50-4.50)	105	424	
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.859	2.859	0.0	0.821	255203	1.21		96.6	1858	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										
285.00 > 169.00	2.859	2.859	0.0	1.000	109153	0.4976		99.5	1014	
D 9 13C4 PFHpA										
367.00 > 322.00	3.121	3.121	0.0	0.896	1532788	1.32		105	3644	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.121	3.121	0.0	1.000	605835	0.4794	Target=3.68	95.9	192	
363.00 > 169.00	3.121	3.121	0.0	1.000	168702		3.59(1.84-5.52)	95.9	332	M
D 11 18O2 PFHxS										M
403.00 > 84.00	3.121	3.121	0.0	0.896	1070938	1.17		98.9	1514	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.121	3.121	0.0	1.000	469103	0.4696	Target=3.52	103	792	M
399.00 > 99.00	3.121	3.121	0.0	1.000	124544		3.77(1.76-5.27)	103	156	M
77 DONA										M
377.00 > 251.00	3.154	3.165	-0.011	0.832	1341908	0.4840	Target=2.78	103	1315	M
377.00 > 85.00	3.165	3.165	0.0	0.835	487671		2.75(1.39-4.17)	103	531	
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.465	3.474	-0.009	0.995	174667	1.14		96.0	318	M
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.465	3.474	-0.009	1.000	116911	0.5286		112	246	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.465	3.474	-0.009	0.914	400346	0.4812	Target=4.99	101	955	M
449.00 > 99.00	3.465	3.474	-0.009	0.914	84954		4.71(2.50-7.49)	101	449	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.482	3.482	0.0	1.000	662670	0.5023	Target=2.64	100	80.9	
413.00 > 169.00	3.482	3.482	0.0	1.000	249816		2.65(1.32-3.96)	100	485	M
D 14 13C4 PFOA										M
417.00 > 372.00	3.482	3.482	0.0	1.000	1470428	1.23		98.5	1659	M
* 62 13C2 PFOA										M
415.00 > 370.00	3.482	3.482	0.0		1566724	1.25			1644	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.792	3.802	-0.010	1.000	326050	0.4684	Target=4.77	101	230	M
499.00 > 99.00	3.792	3.802	-0.010	1.000	71279		4.57(2.38-7.15)	101	263	M
D 18 13C4 PFOS										M
503.00 > 80.00	3.792	3.802	-0.010	1.089	804391	1.18		98.5	2025	M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.822	3.822	0.0	1.003	610819	0.5030	Target=7.92	101	202	
463.00 > 169.00	3.822	3.822	0.0	1.003	77379		7.89(3.96-11.88)	101	872	M
D 19 13C5 PFNA										
468.00 > 423.00	3.812	3.822	-0.010	1.095	1491888	1.20		96.3	2524	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.960	3.969	-0.009	1.044	579400	0.4873		105	2294	
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.093	4.093	0.0	1.079	256419	0.4865	Target=2.52	101	1123	
549.00 > 99.00	4.093	4.093	0.0	1.079	111662		2.30(1.26-3.78)	101	493	M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.127	4.127	0.0	1.000	83425	0.4879		102	583	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										
513.00 > 469.00	4.115	4.127	-0.012	1.000	669130	0.5314	Target=9.74	106	420	
513.00 > 169.00	4.127	4.127	0.0	1.003	70336		9.51(4.87-14.60)	106	438	
D 23 13C2 PFDA										M
515.00 > 470.00	4.115	4.127	-0.012	1.182	1496707	1.24		99.3	1311	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.127	4.138	-0.011	1.185	212018	1.15		96.0	676	
D 21 13C8 FOSA										M
506.00 > 78.00	4.173	4.173	0.0	1.198	1341161	1.27		102	1541	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.173	4.173	0.0	1.000	561197	0.5133		103	1110	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.273	4.273	0.0	1.003	78017	0.5651		113	202	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.261	4.273	-0.012	1.224	194324	1.20		96.2	1096	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.365	4.365	0.0	1.151	200232	0.5105	Target=2.62	106	1562	M
599.00 > 99.00	4.365	4.365	0.0	1.151	81639		2.45(1.31-3.93)	106	703	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.387	4.399	-0.012	1.260	1177558	1.29		103	1921	M
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.387	4.399	-0.012	1.000	503320	0.5043	Target=8.83	101	386	
563.00 > 169.00	4.398	4.399	-0.001	1.003	57209		8.80(4.41-13.24)	101	614	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.410	4.410	0.0	1.003	71793	0.5095		102	425	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.398	4.410	-0.012	1.263	194014	1.27		101	810	
66 11-Chloroeicosafluoro-3-oxaundec										M
631.00 > 451.00	4.491	4.491	0.0	1.184	768442	0.4965		105	1514	M
D 36 13C2 PFDoA										
615.00 > 570.00	4.633	4.633	0.0	1.330	1166932	1.23		98.6	2227	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.633	4.633	0.0	1.000	498404	0.5264	Target=6.63	105	80.6	M
613.00 > 169.00	4.633	4.633	0.0	1.000	80760		6.17(3.32-9.95)	105	432	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.653	4.654	-0.001	1.128	39968	0.5004		104	335	M
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.812	4.813	-0.001	1.269	93712	0.5381	Target=0.54	111	1106	
699.00 > 99.00	4.812	4.813	-0.001	1.269	158626		0.59(0.27-0.81)	111	1061	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.848	4.859	-0.011	1.046	432811	0.5274	Target=4.62	105	76.0	M
663.00 > 169.00	4.848	4.859	-0.011	1.046	95909		4.51(2.31-6.94)	105	545	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.051	5.052	-0.001	1.451	969884	1.25		100	1985	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.051	5.052	-0.001	1.000	63032	0.5071	Target=0.94	101	465	M
713.00 > 219.00	5.041	5.052	-0.011	0.998	69631		0.91(0.47-1.41)	101	669	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.422	5.422	0.0	1.002	429383	0.5545	Target=4.40	111	97.2	
813.00 > 169.00	5.411	5.422	-0.011	1.000	95637		4.49(2.20-6.59)	111	757	M
D 44 13C2 PFHxDA										M
815.00 > 770.00	5.411	5.422	-0.011	1.554	1043688	1.18		94.7	2036	M
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.776	5.786	-0.010	1.068	304377	0.5483	Target=4.42	110	91.0	M
913.00 > 169.00	5.776	5.786	-0.010	1.068	68198		4.46(2.21-6.63)	110	303	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

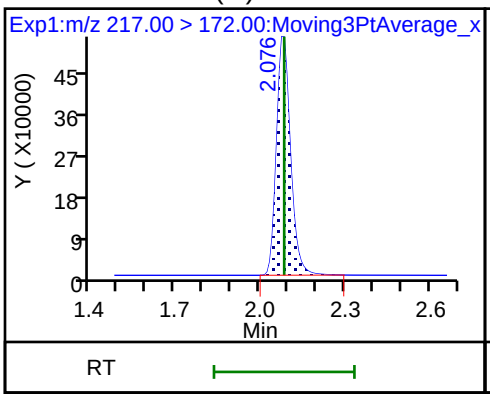
PFAS32NCIC3_00014 Amount Added: 100.00 Units: uL

Report Date: 03-Aug-2022 14:25:14 Chrom Revision: 2.3 29-Jul-2022 15:21:48

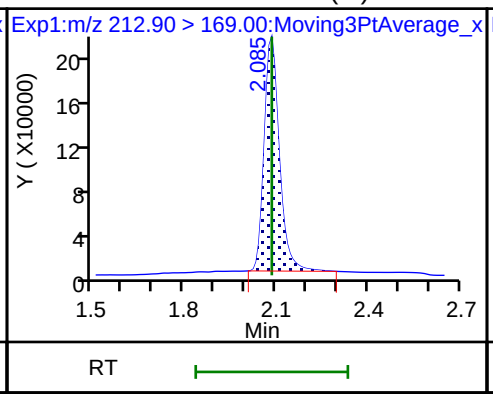
Eurofins Burlington

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

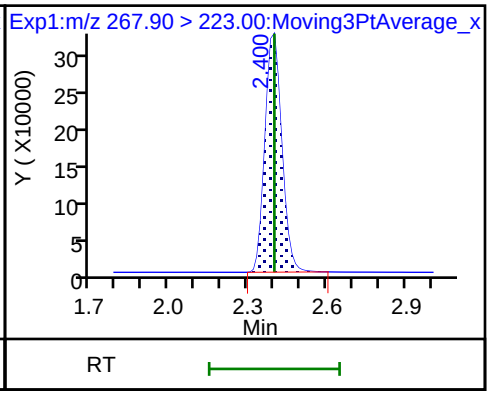
D 1 13C4 PFBA (M)



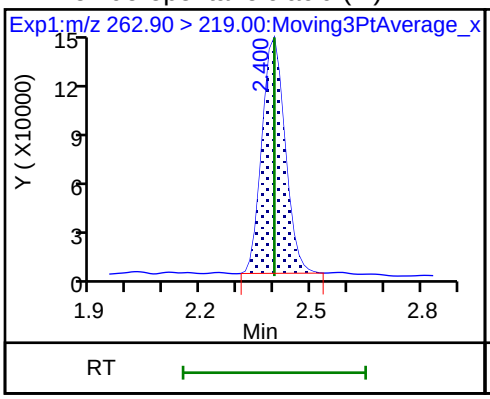
2 Perfluorobutanoic acid (M)



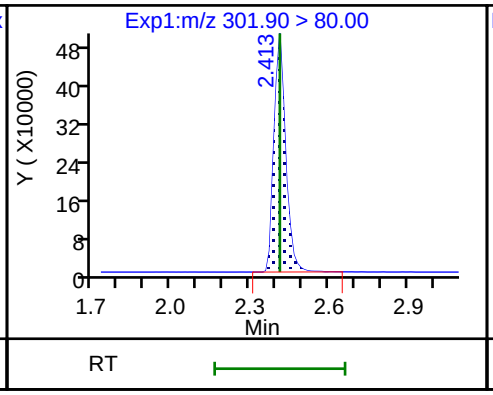
D 3 13C5 PFPeA



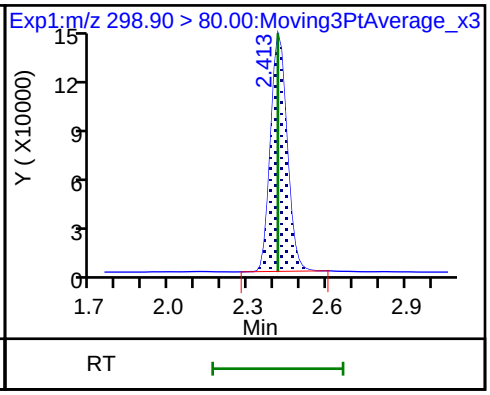
4 Perfluoropentanoic acid (M)



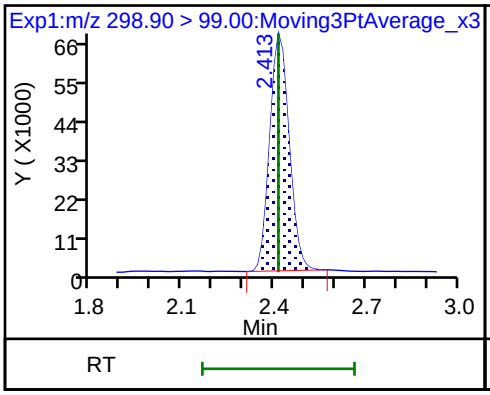
D 47 13C3 PFBS



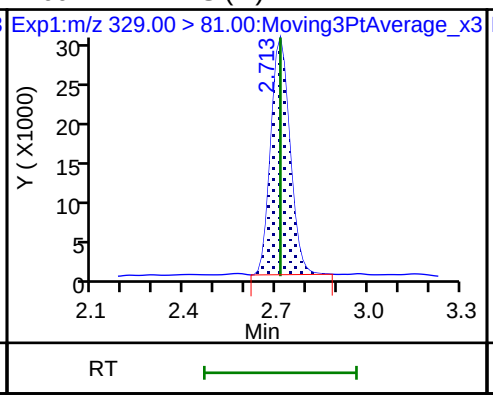
5 Perfluorobutanesulfonic acid



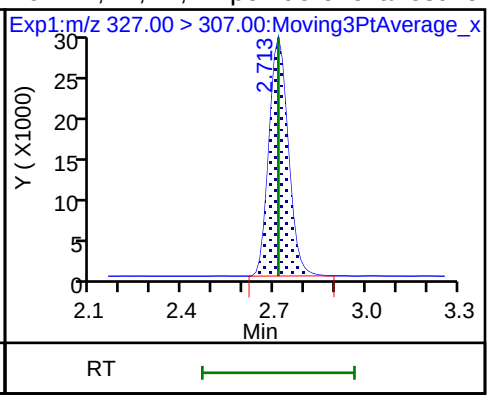
5 Perfluorobutanesulfonic acid



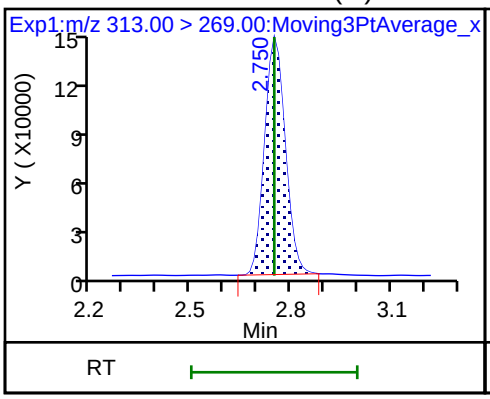
D 60 M2-4:2 FTS (M)



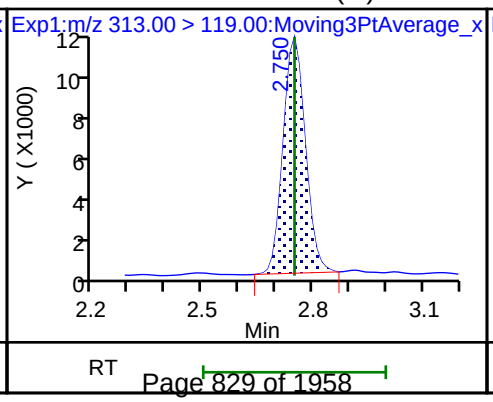
61 1H,1H,2H,2H-perfluorohexanesulfo



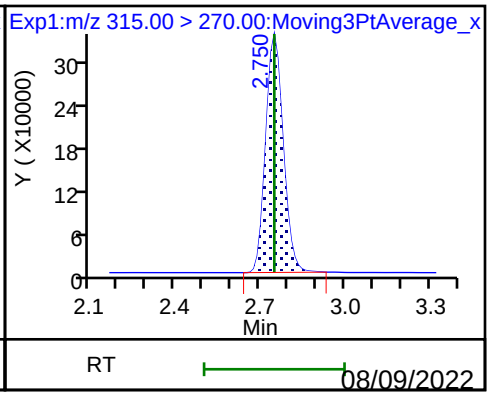
6 Perfluorohexanoic acid (M)



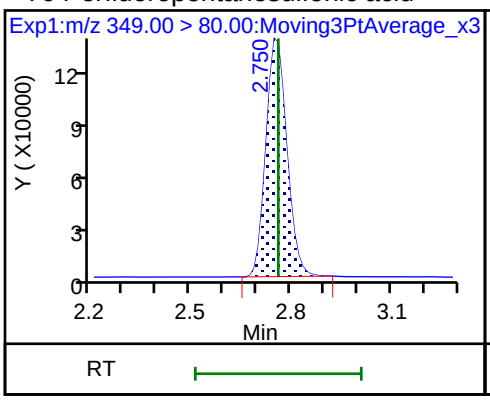
6 Perfluorohexanoic acid (M)



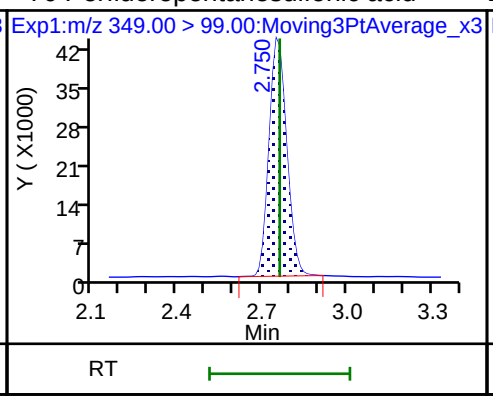
D 7 13C2 PFHxA



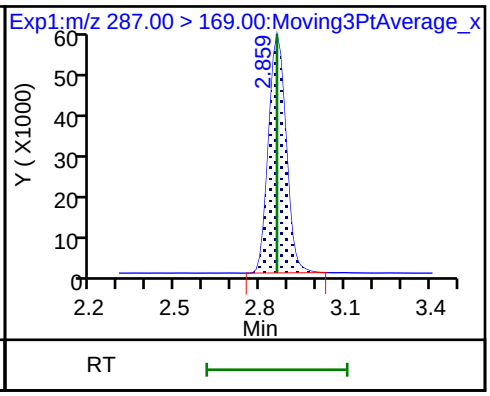
70 Perfluoropentanesulfonic acid



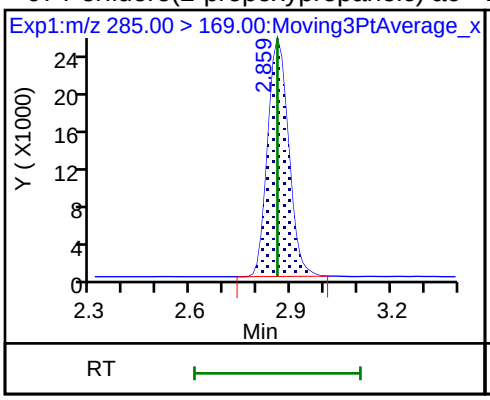
70 Perfluoropentanesulfonic acid



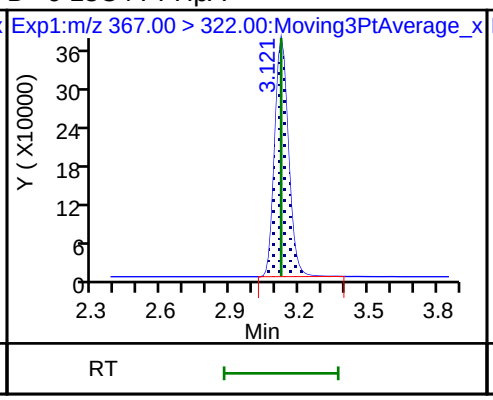
D 64 13C3 HFPO-DA



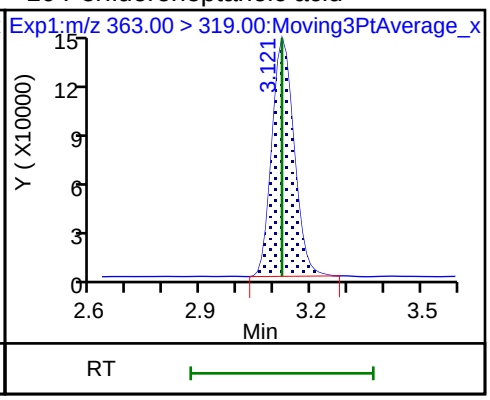
67 Perfluoro(2-propoxypropanoic) ac



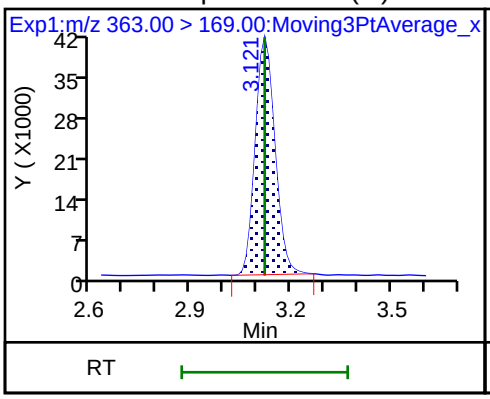
D 9 13C4 PFHpA



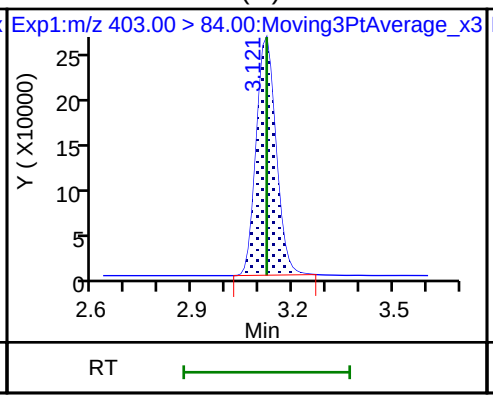
10 Perfluoroheptanoic acid



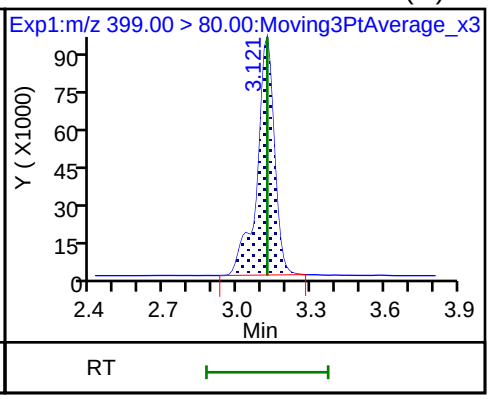
10 Perfluoroheptanoic acid (M)



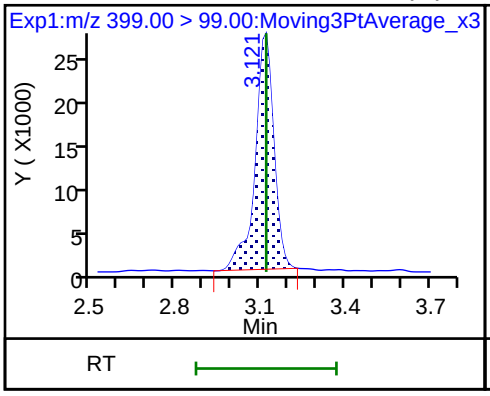
D 11 18O2 PFHxS (M)



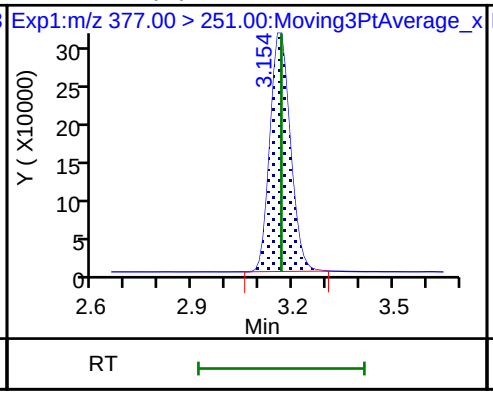
8 Perfluorohexanesulfonic acid (M)



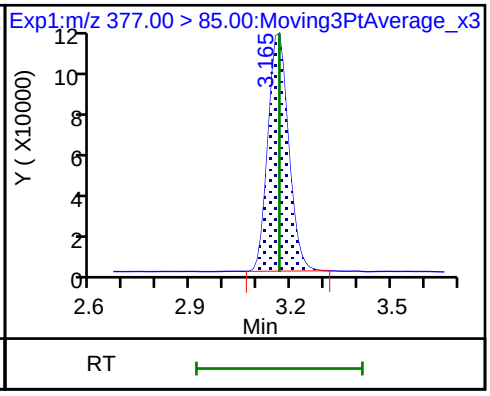
8 Perfluorohexanesulfonic acid (M)



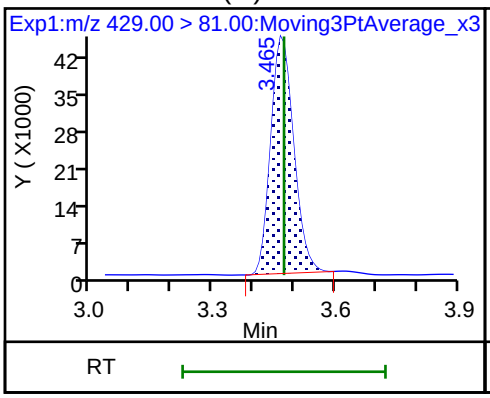
77 DONA (M)



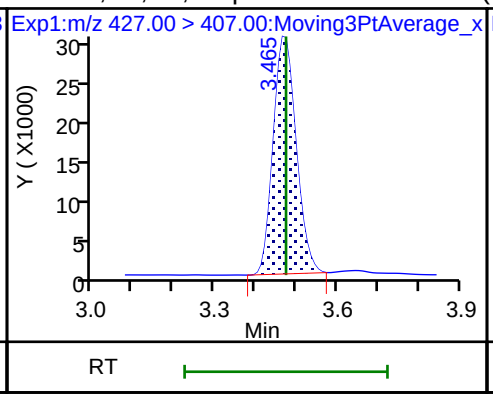
77 DONA



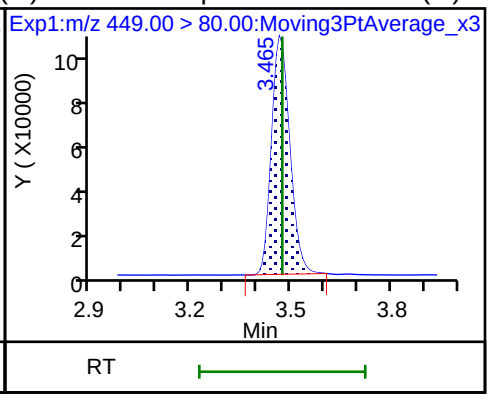
D 12 M2-6:2 FTS (M)



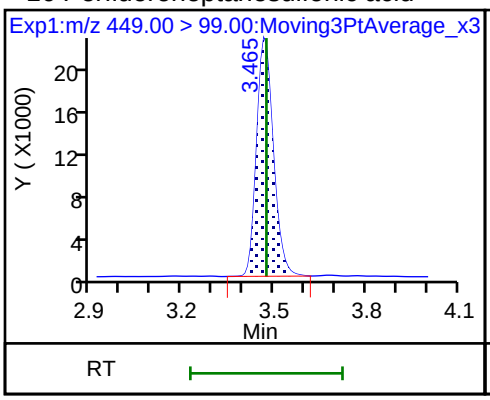
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



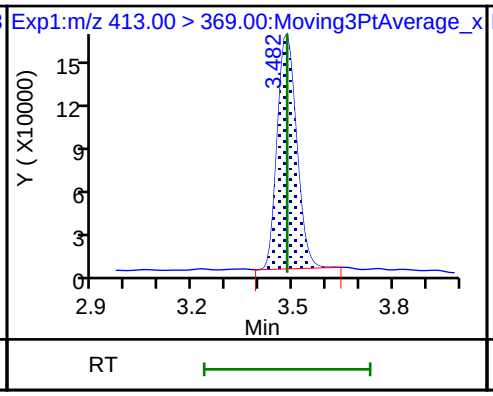
16 Perfluoroheptanesulfonic acid (M)



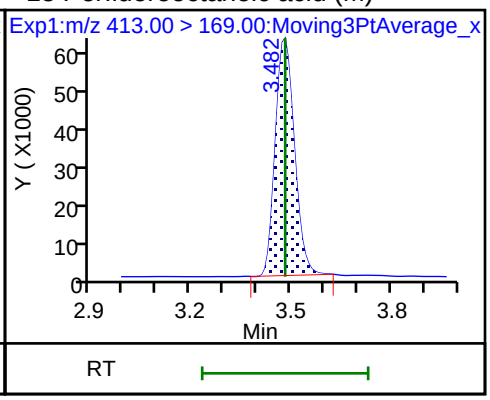
16 Perfluoroheptanesulfonic acid



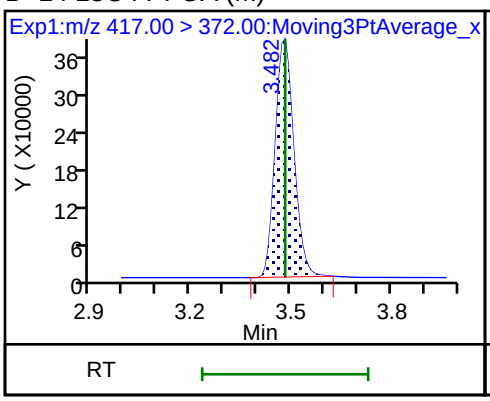
15 Perfluorooctanoic acid



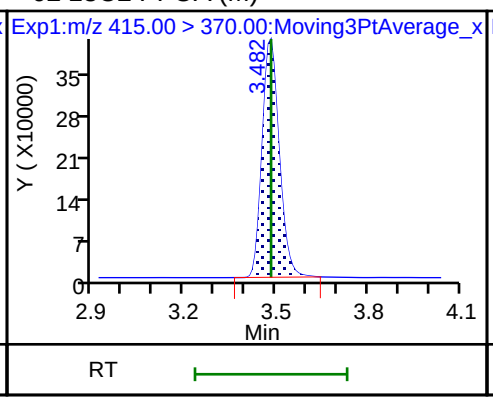
15 Perfluorooctanoic acid (M)



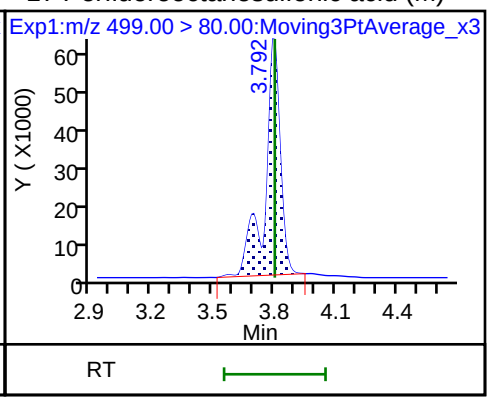
D 14 13C4 PFOA (M)



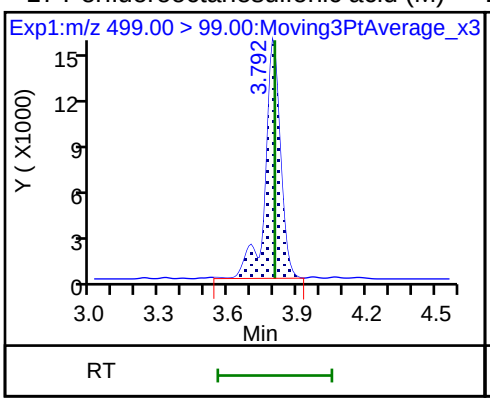
* 62 13C2 PFOA (M)



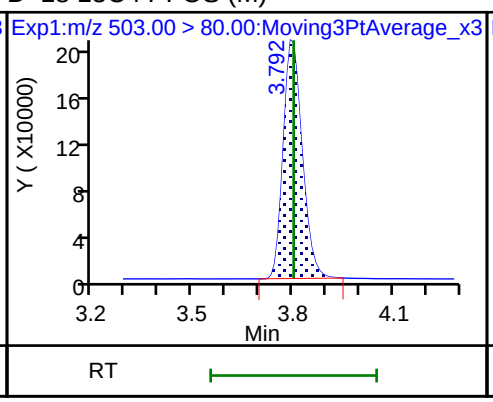
17 Perfluorooctanesulfonic acid (M)



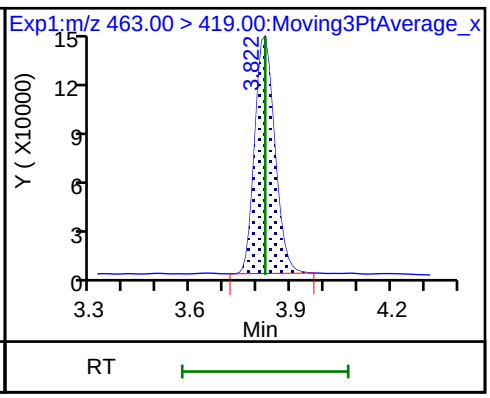
17 Perfluorooctanesulfonic acid (M)



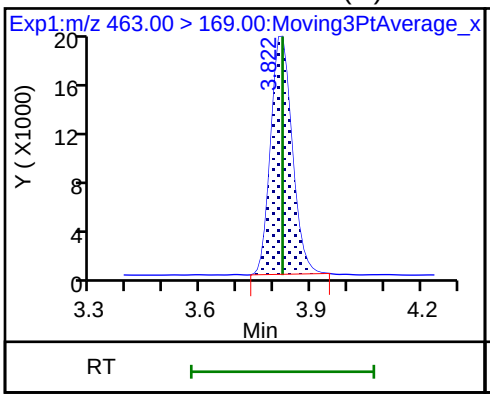
D 18 13C4 PFOS (M)



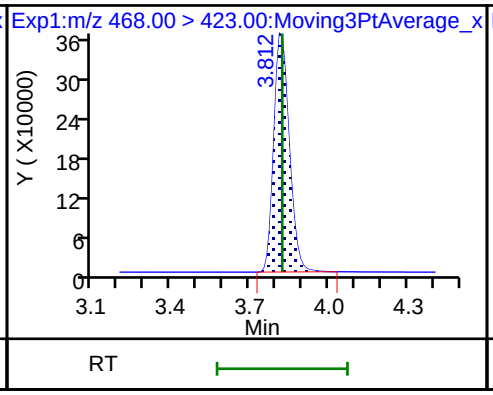
20 Perfluorononanoic acid



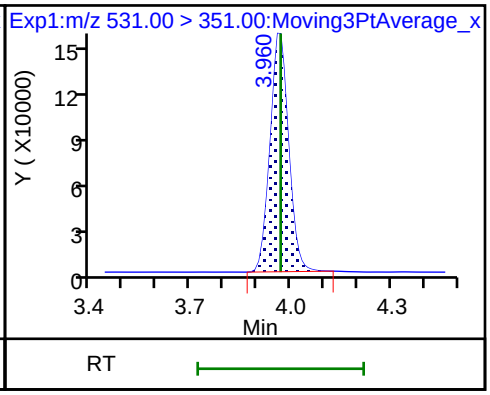
20 Perfluorononanoic acid (M)



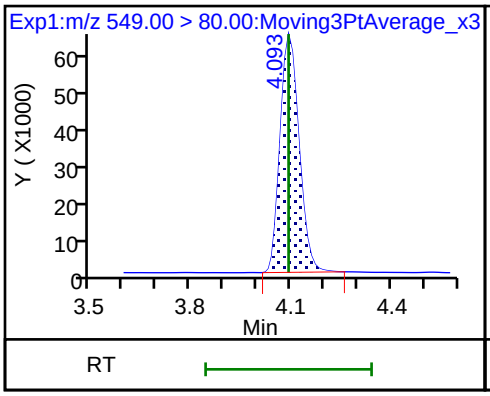
D 19 13C5 PFNA



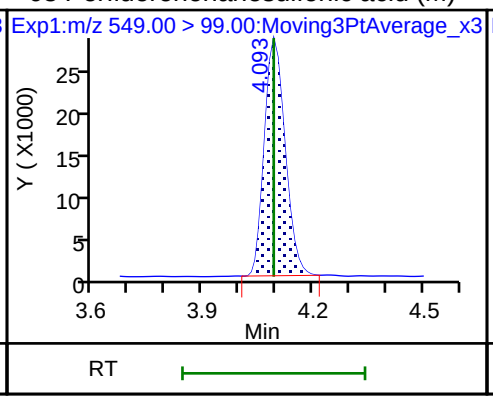
69 9-Chlorohexadecafluoro-3-oxanona



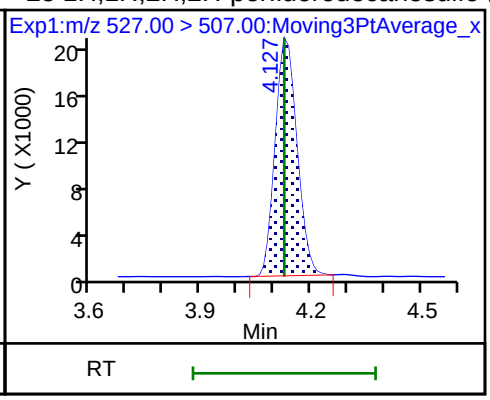
68 Perfluorononanesulfonic acid



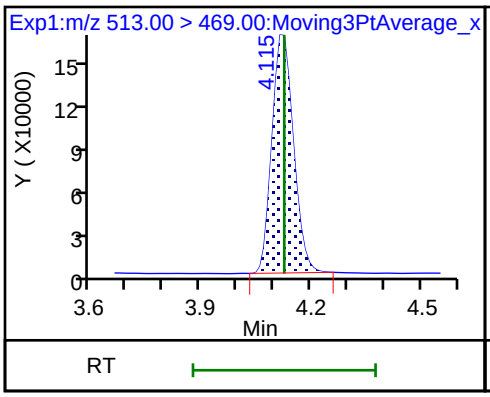
68 Perfluorononanesulfonic acid (M)



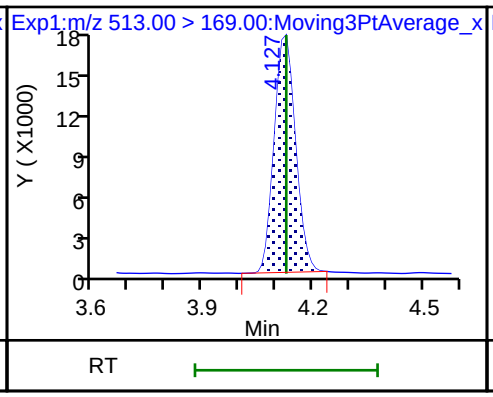
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



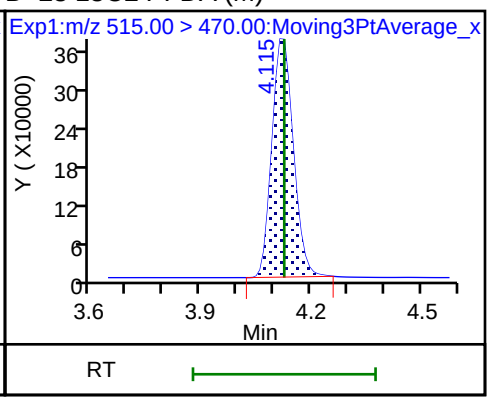
24 Perfluorodecanoic acid



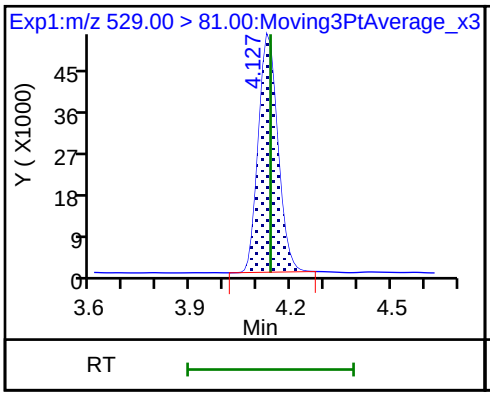
24 Perfluorodecanoic acid



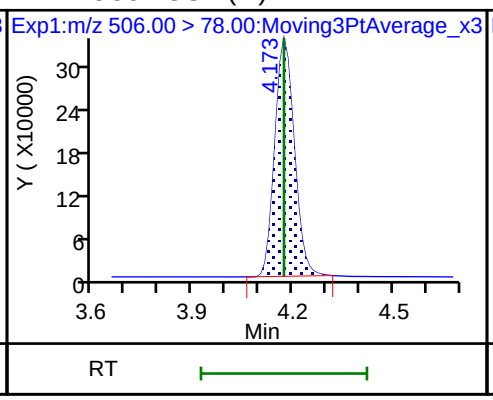
D 23 13C2 PFDA (M)



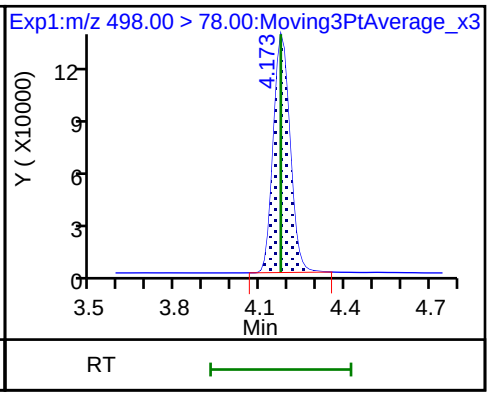
D 26 M2-8:2 FTS



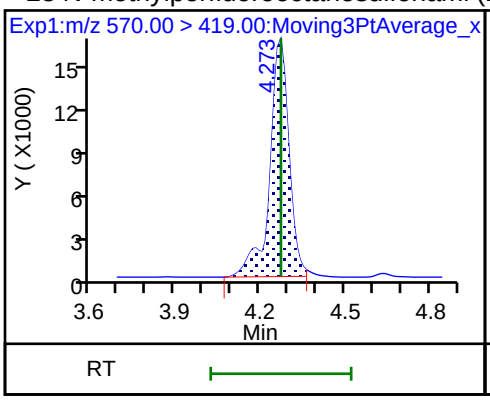
D 21 13C8 FOSA (M)



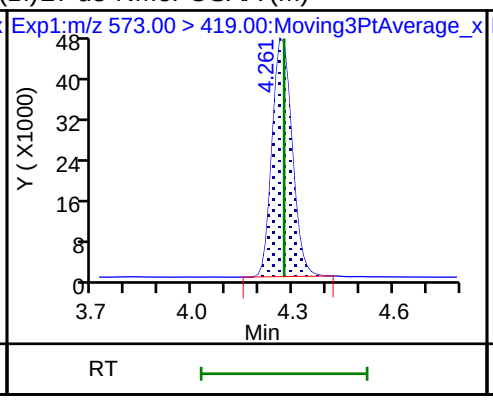
22 Perfluorooctanesulfonamide



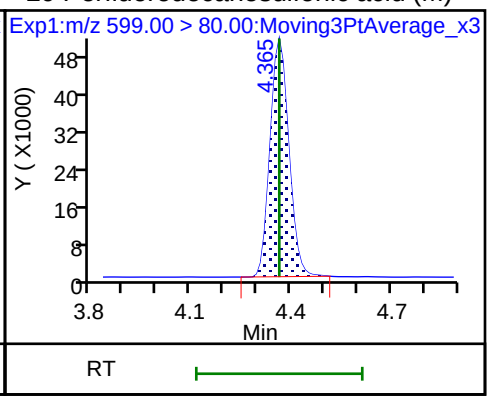
28 N-methylperfluorooctanesulfonami (M)



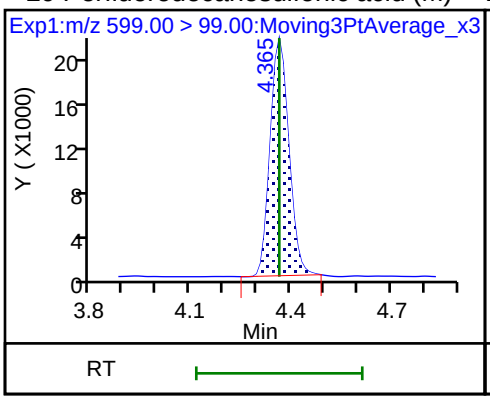
D 27 d3-NMeFOSAA (M)



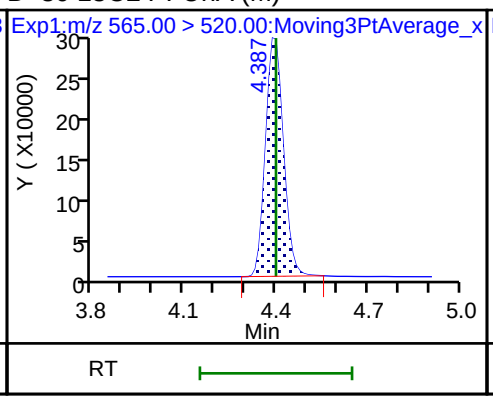
29 Perfluorodecanesulfonic acid (M)



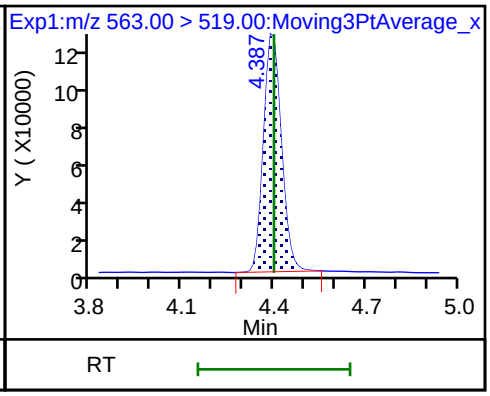
29 Perfluorodecanesulfonic acid (M)



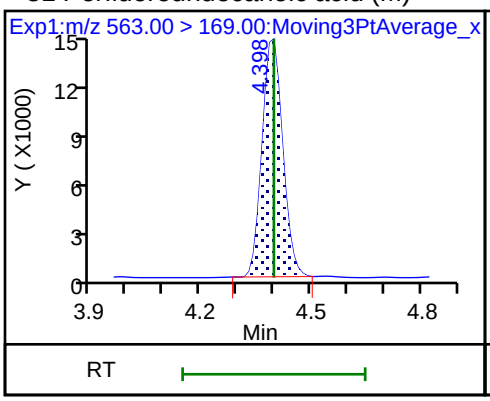
D 30 13C2 PFUnA (M)



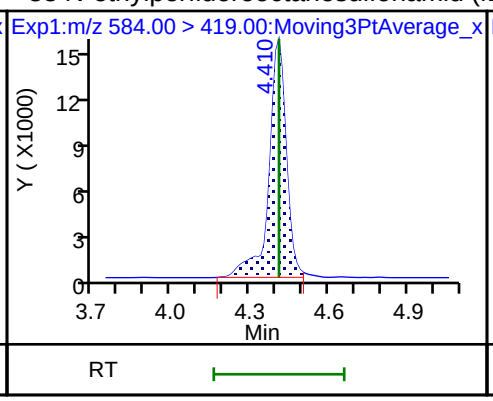
31 Perfluoroundecanoic acid



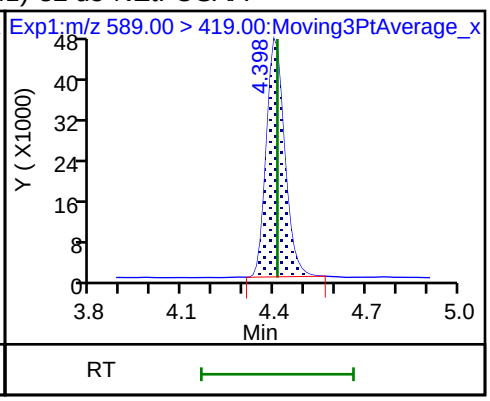
31 Perfluoroundecanoic acid (M)



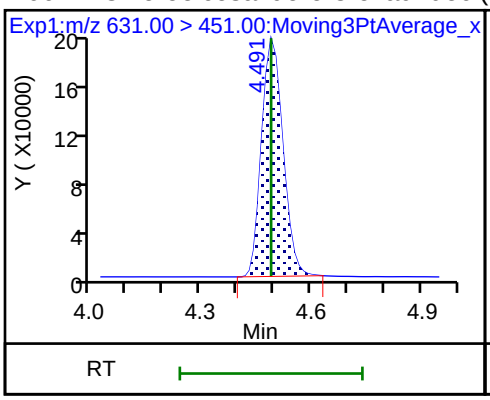
33 N-ethylperfluorooctanesulfonamid (M)



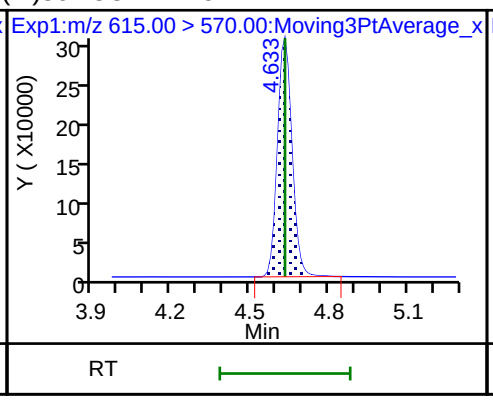
D 32 d5-NEtFOSAA



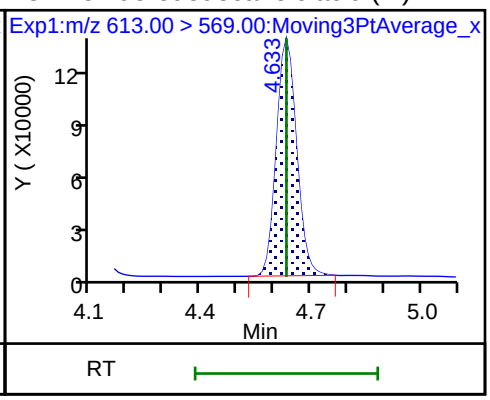
66 11-Chloroeicosafluoro-3-oxaundec (M)



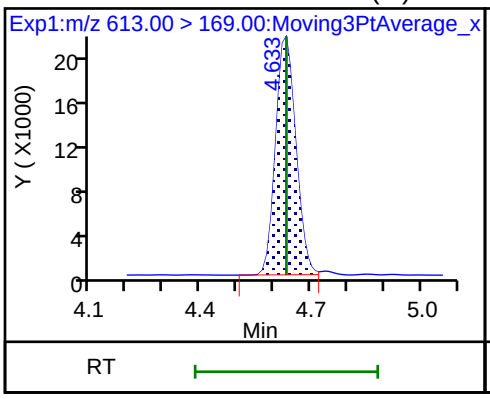
D 36 13C2 PFDoA



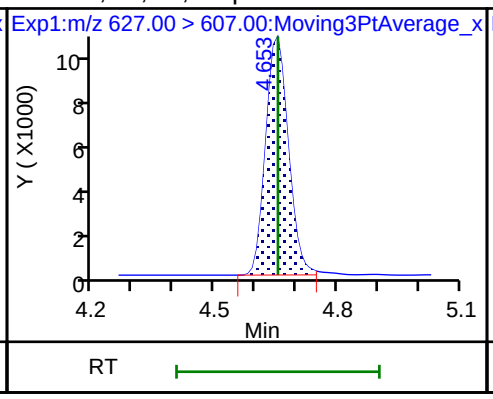
37 Perfluorododecanoic acid (M)



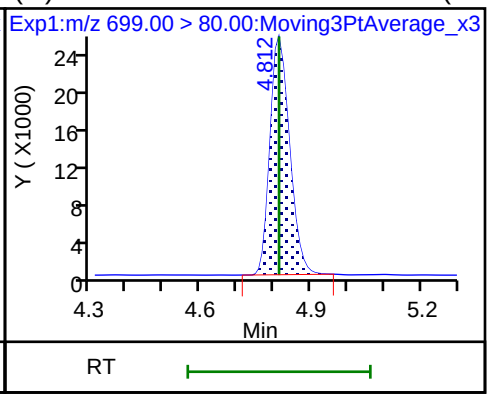
37 Perfluorododecanoic acid (M)



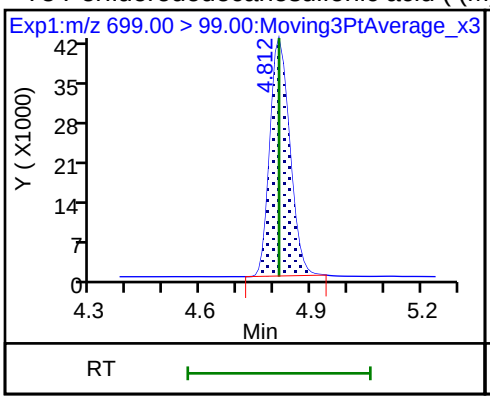
74 1H,1H,2H,2H-perfluorododecanesul (M)



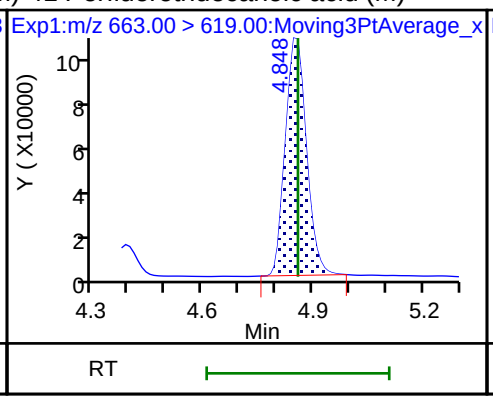
75 Perfluorododecanesulfonic acid (



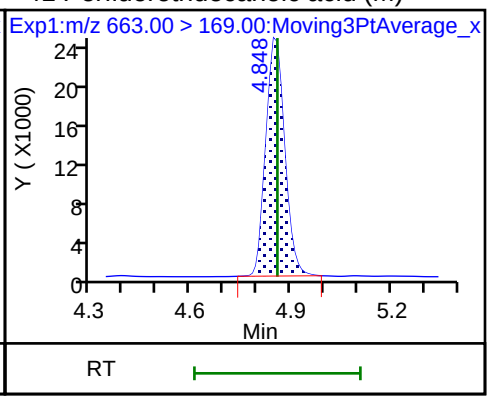
75 Perfluorododecanesulfonic acid ((M)



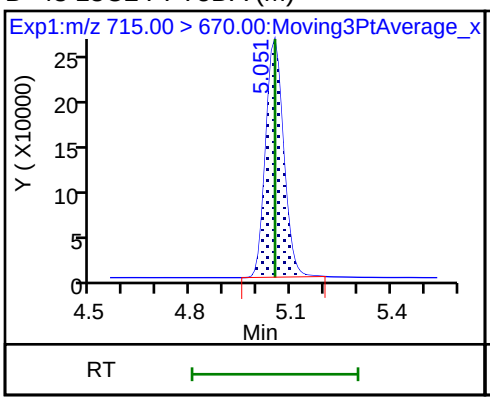
41 Perfluorotridecanoic acid (M)



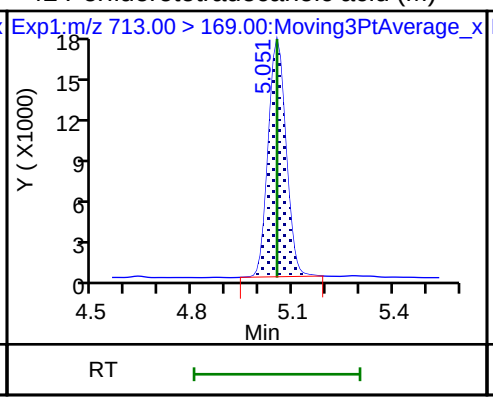
41 Perfluorotridecanoic acid (M)



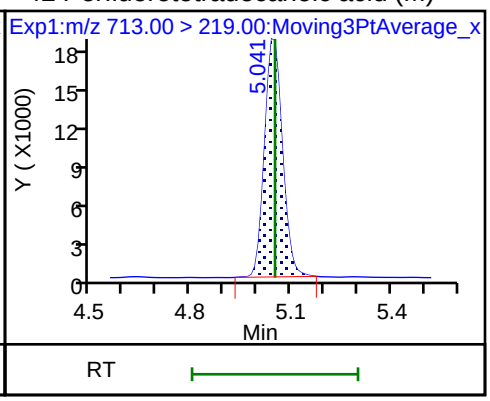
D 43 13C2 PFTeDA (M)



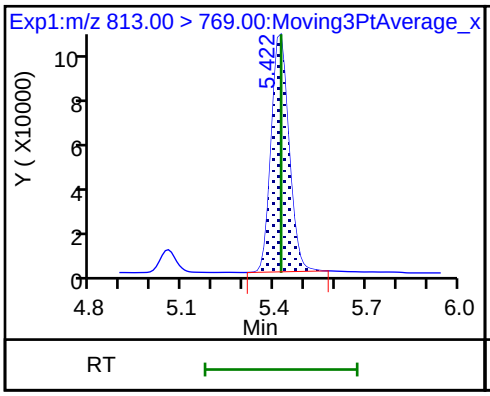
42 Perfluorotetradecanoic acid (M)



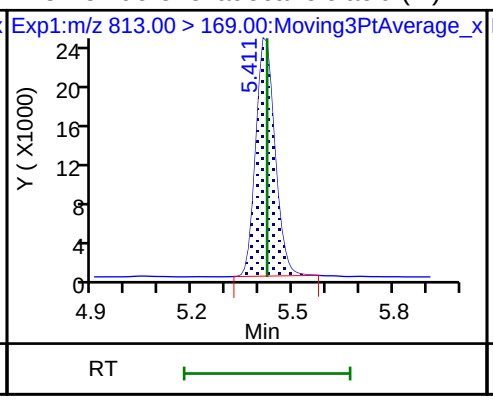
42 Perfluorotetradecanoic acid (M)



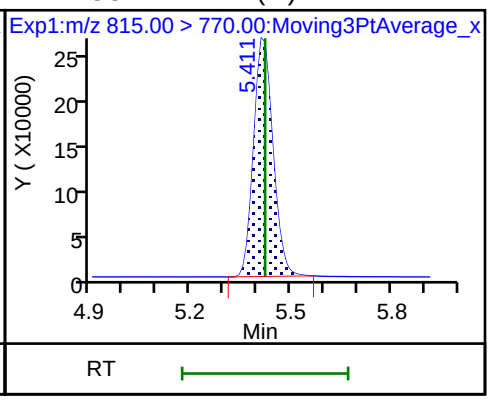
45 Perfluorohexadecanoic acid



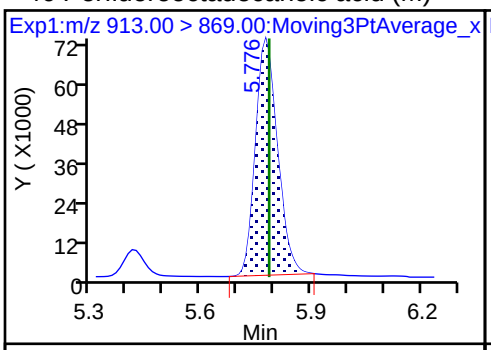
45 Perfluorohexadecanoic acid (M)



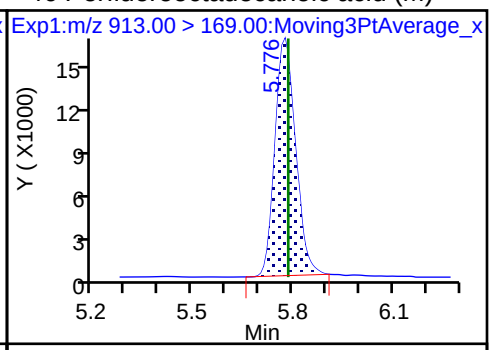
D 44 13C2 PFHxDA (M)



46 Perfluorooctadecanoic acid (M)



46 Perfluorooctadecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins Burlington

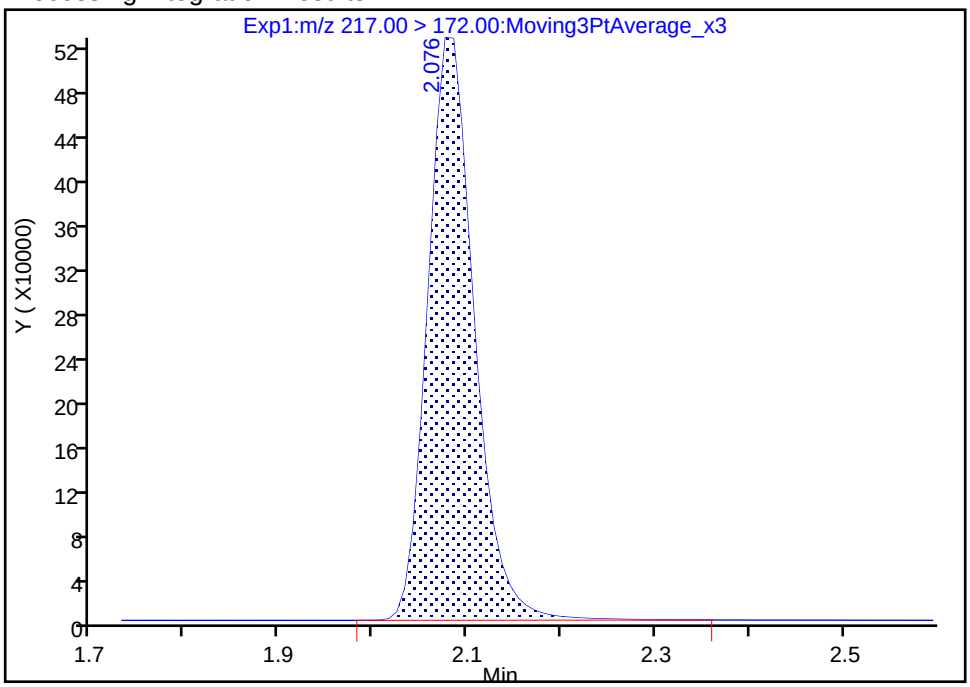
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

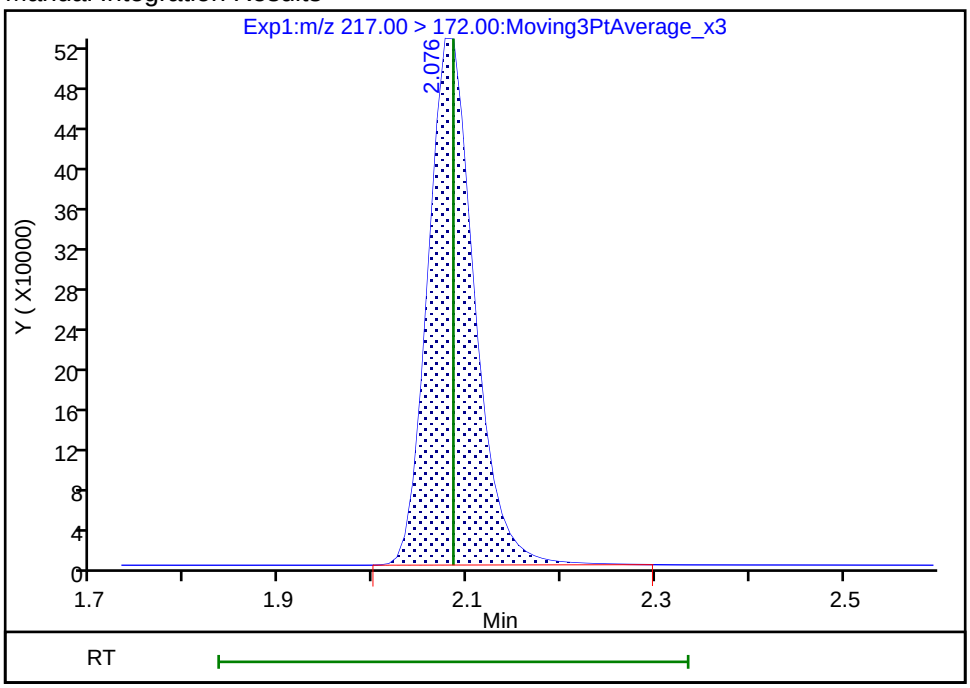
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

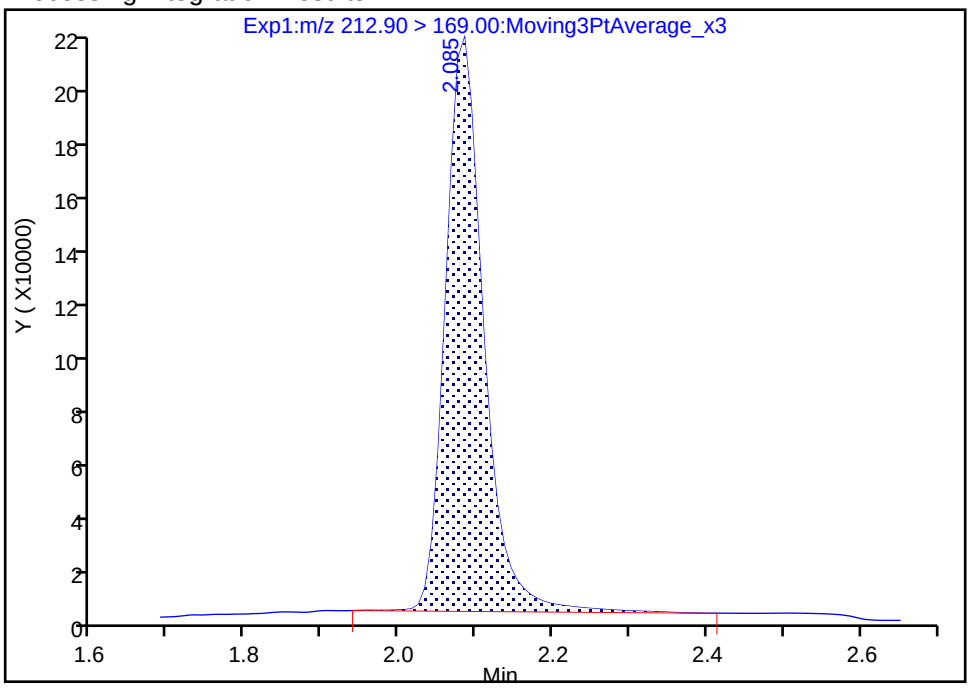
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d				
Injection Date:	03-Aug-2022 13:16:40	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	4	Worklist Smp#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

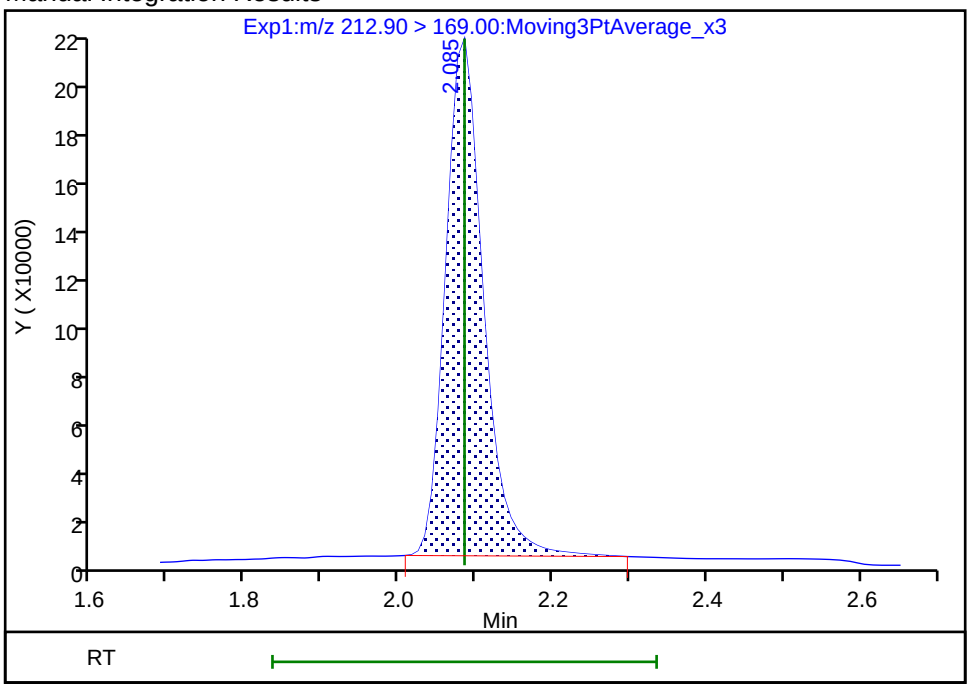
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:39:32

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

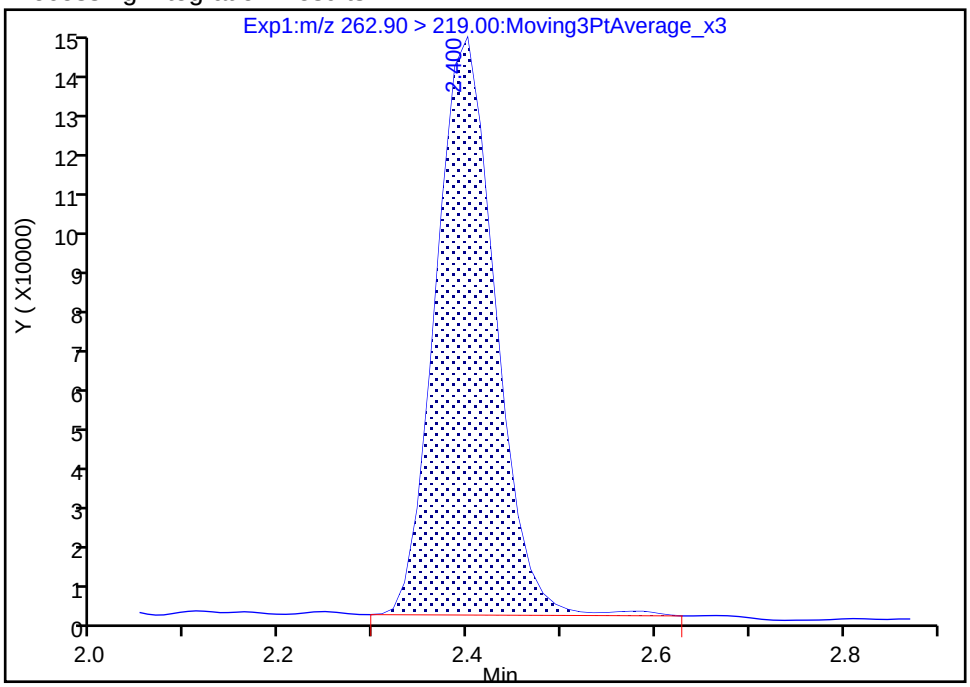
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

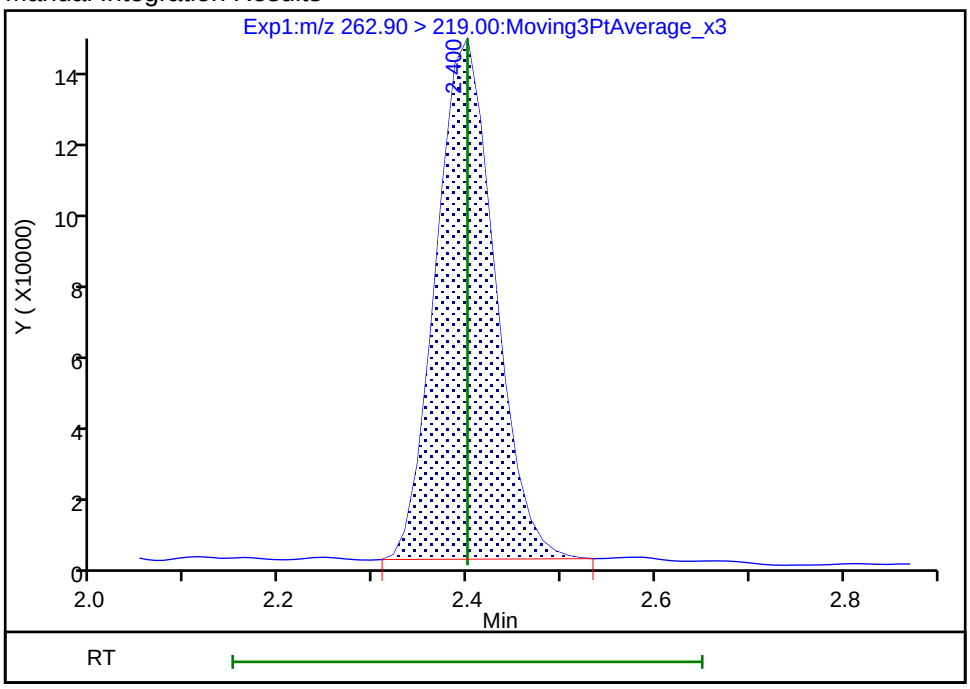
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

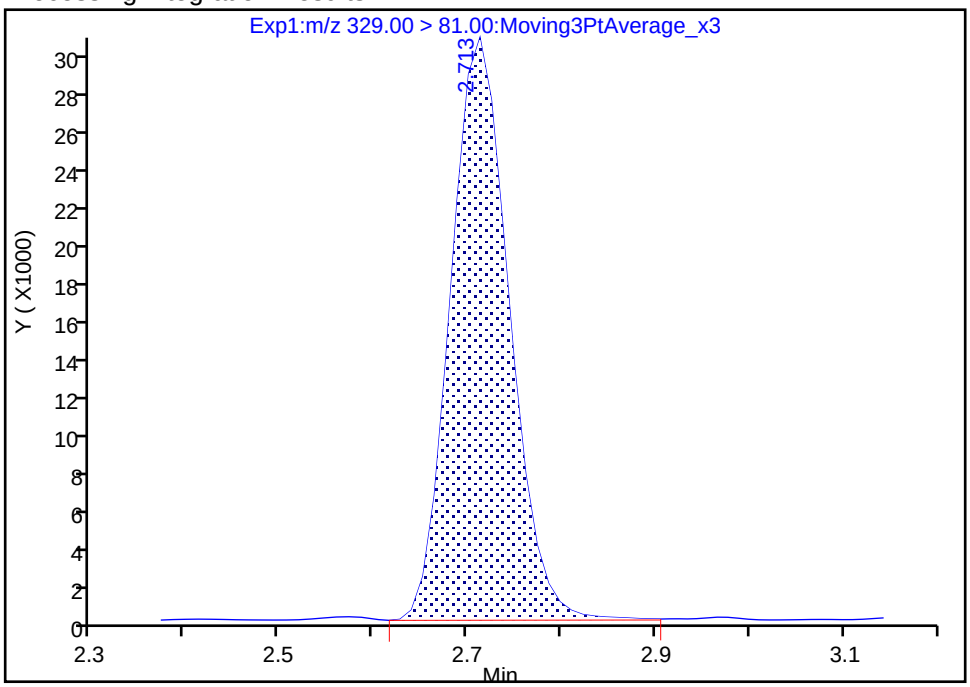
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

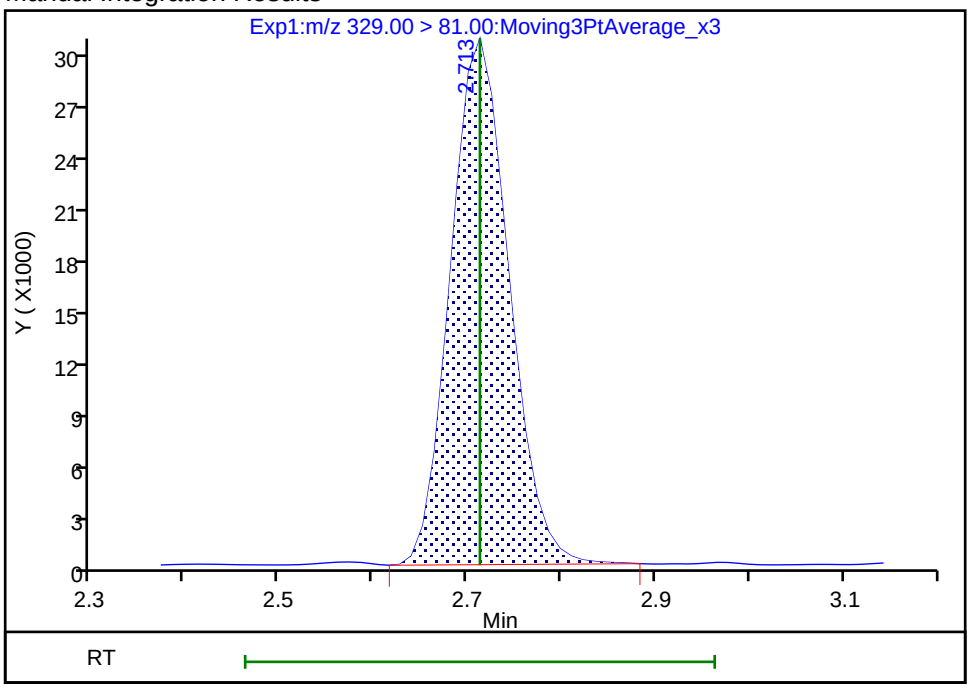
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:39:58
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

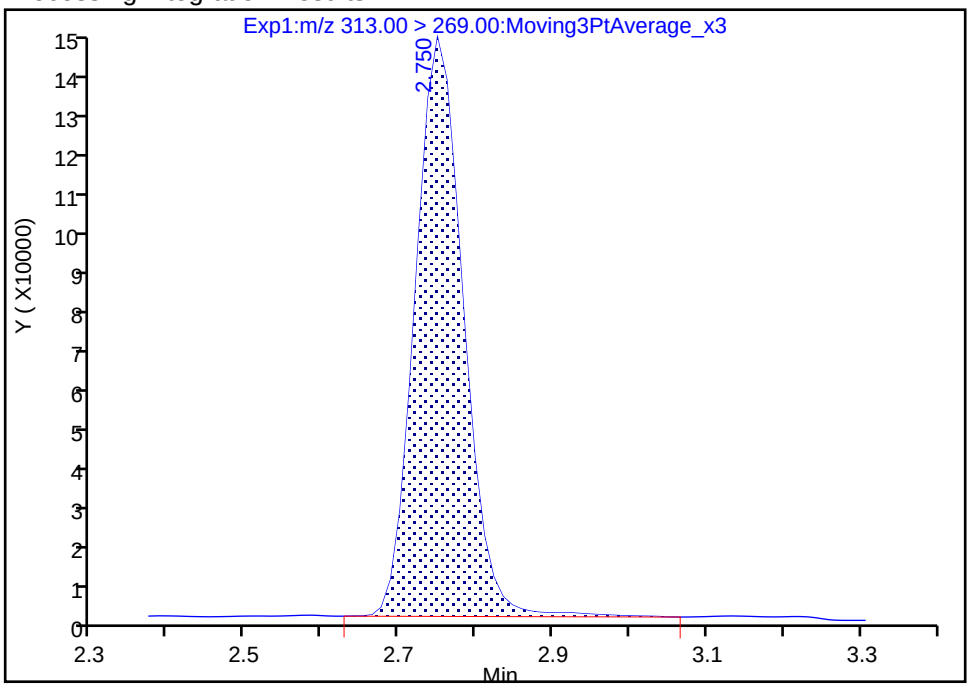
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

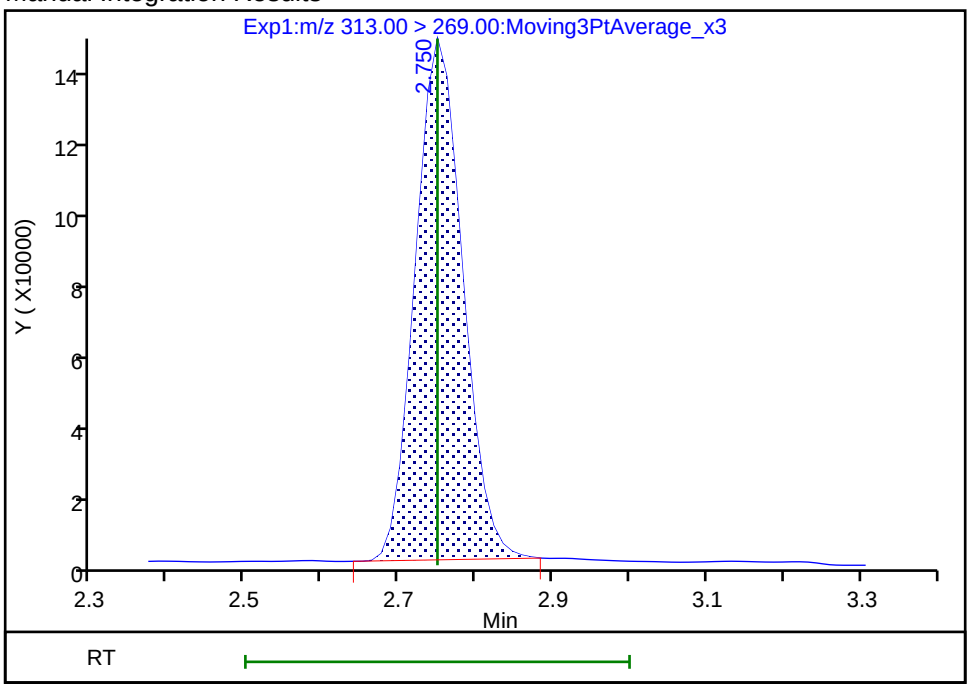
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

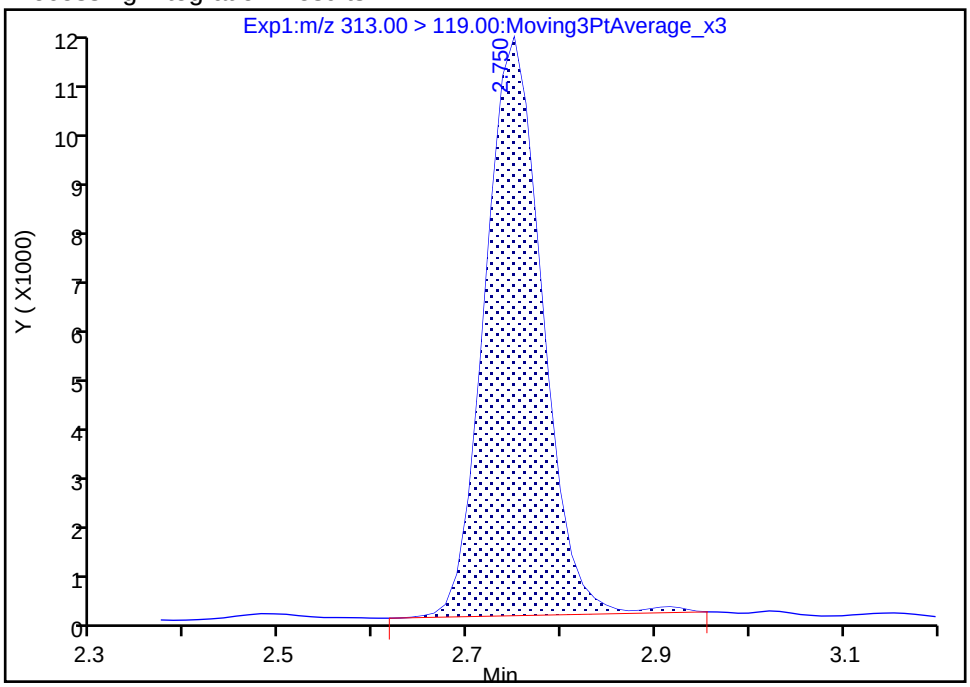
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

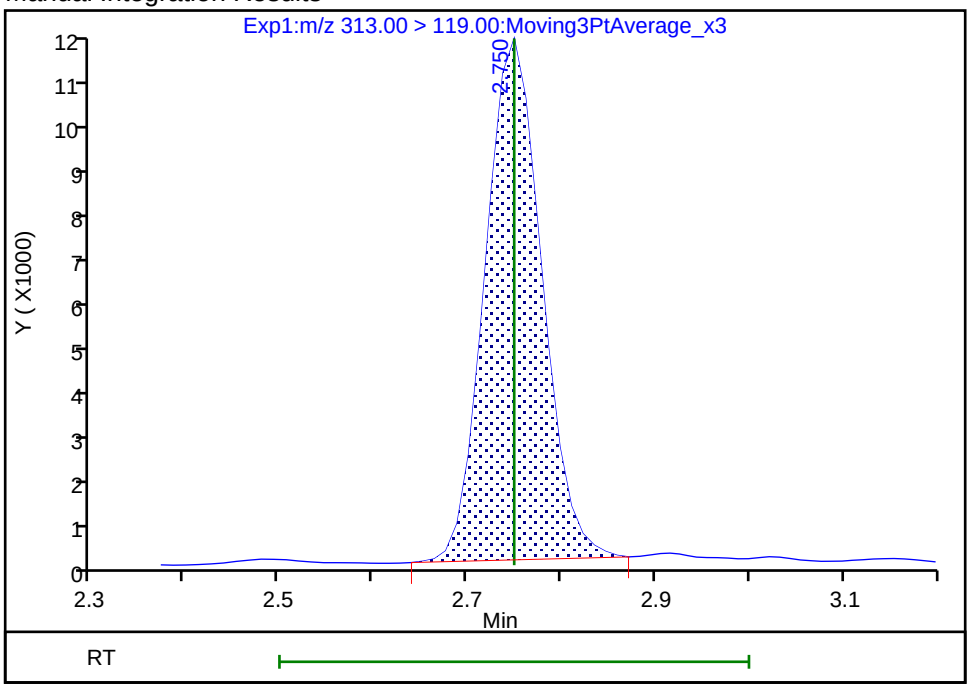
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:40:10
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

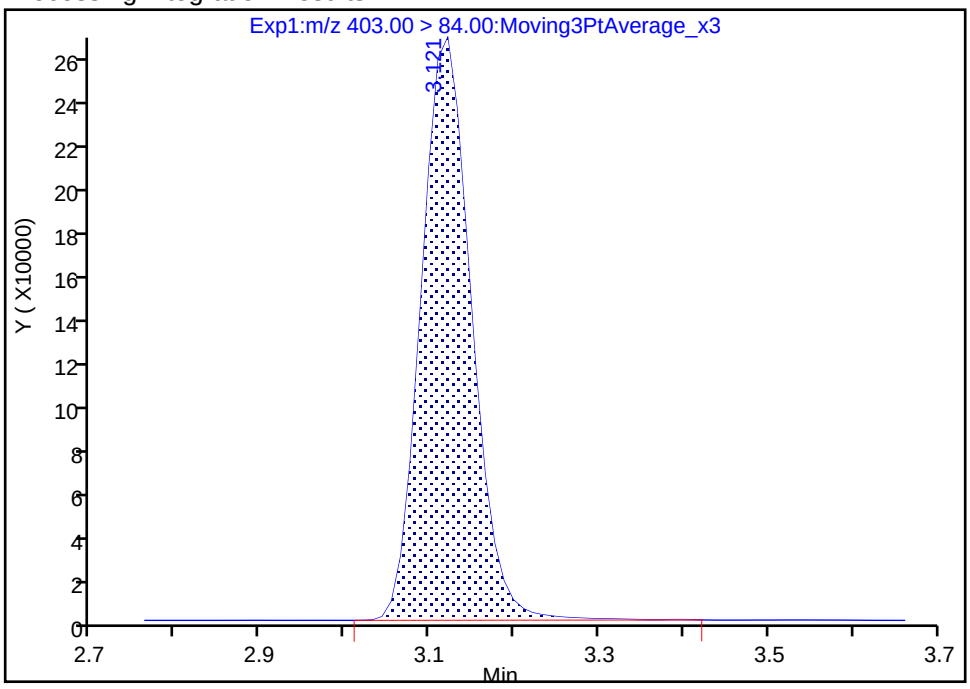
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 11 18O2 PFHxS, CAS: STL00994

Signal: 1

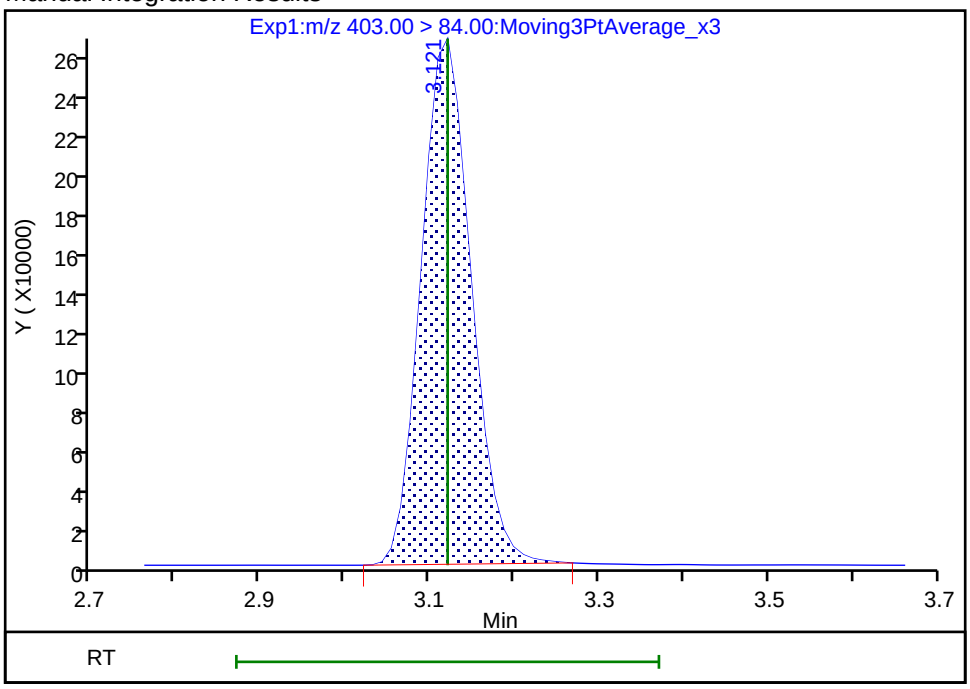
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

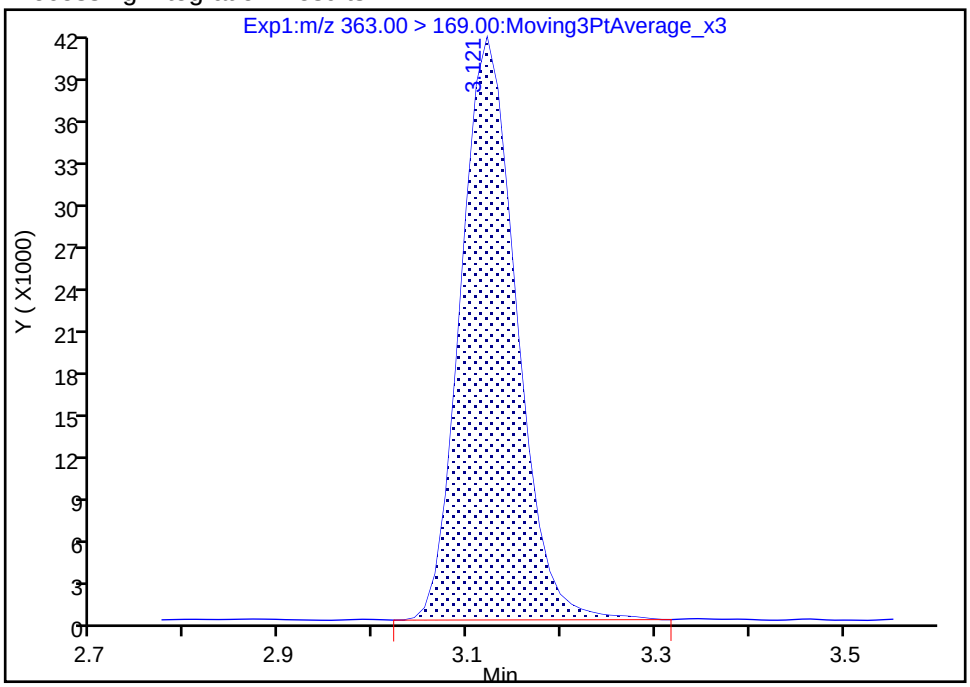
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d				
Injection Date:	03-Aug-2022 13:16:40	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	4	Worklist Smp#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

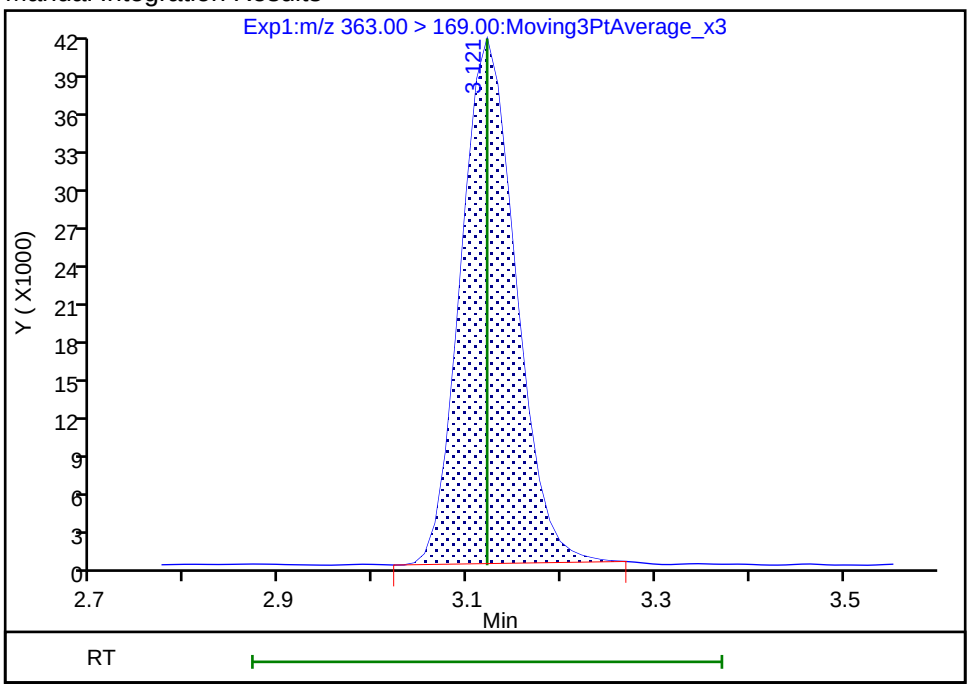
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:40:49

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

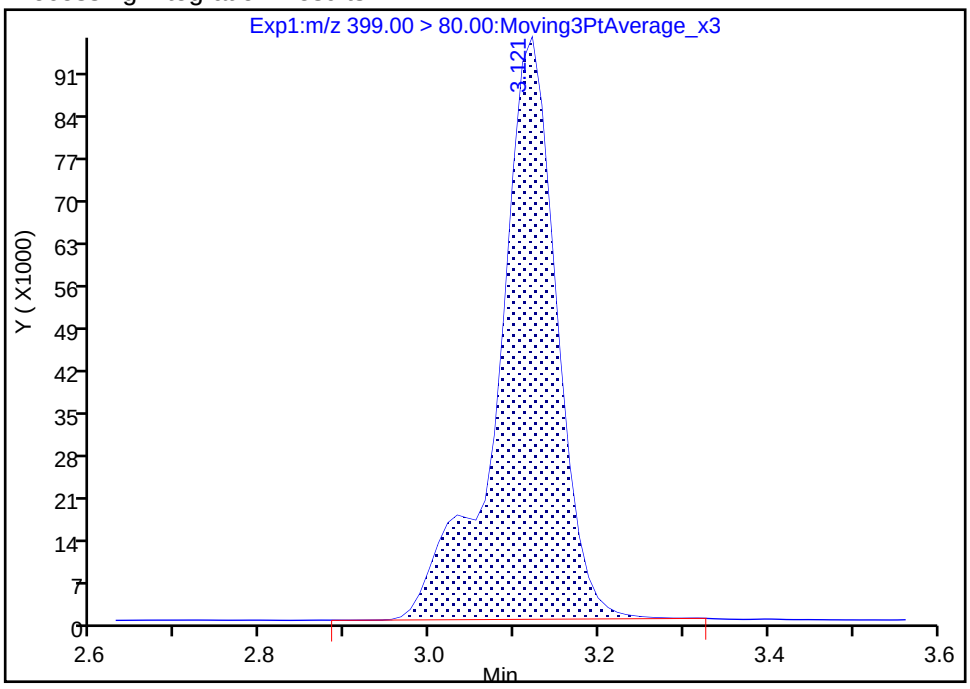
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

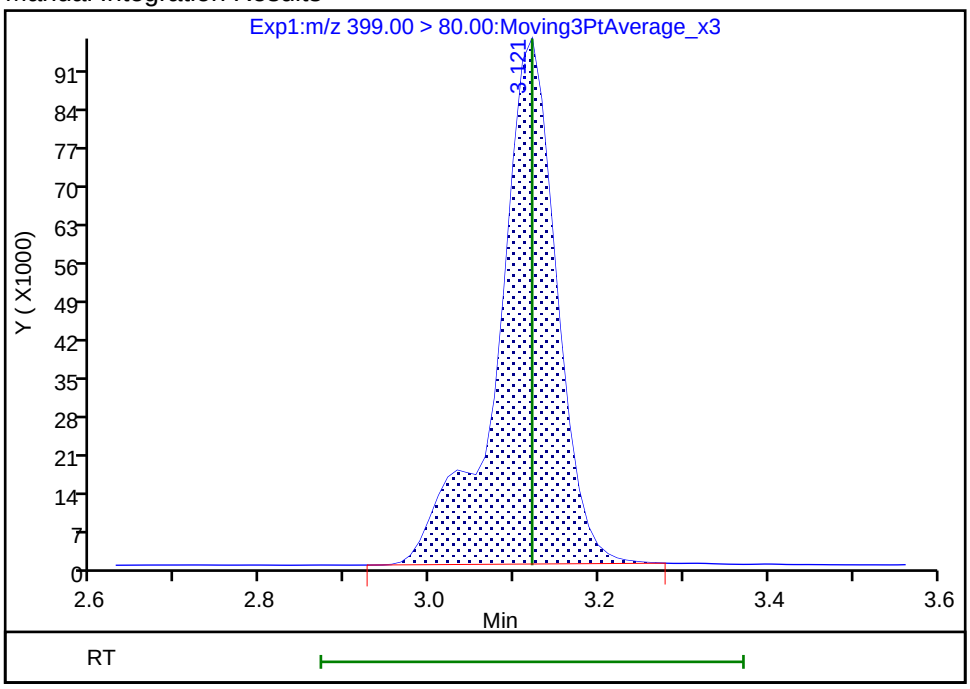
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

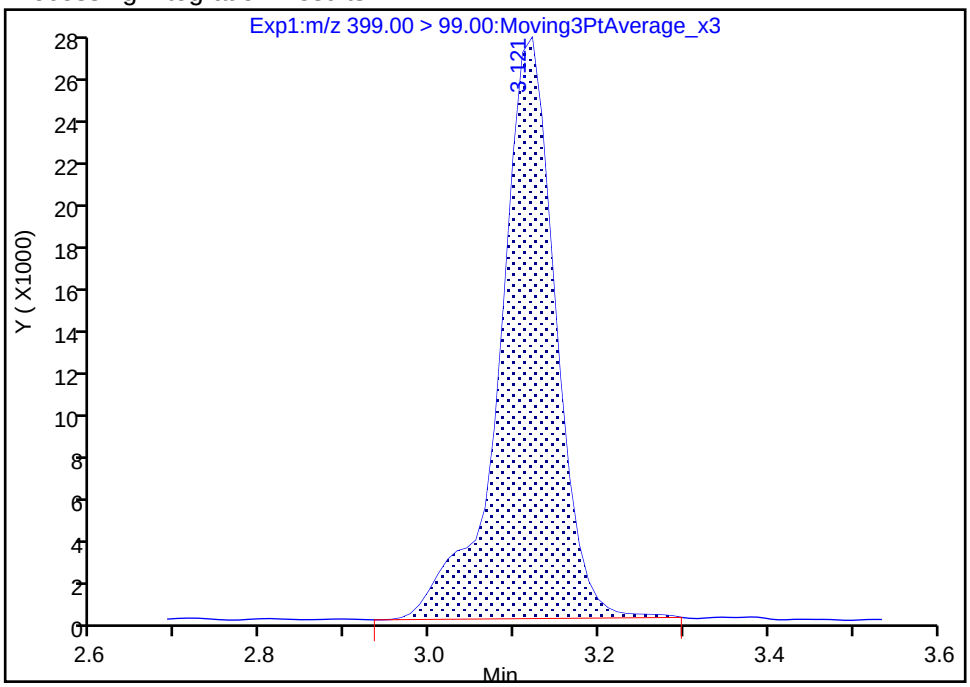
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d				
Injection Date:	03-Aug-2022 13:16:40	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	4	Worklist Smp#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

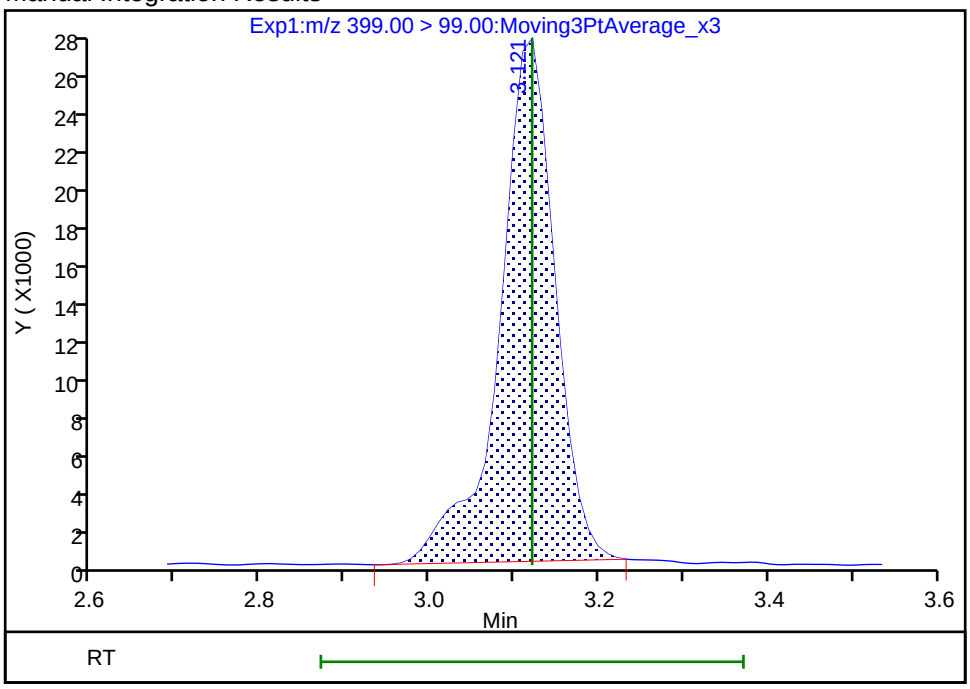
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:40:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

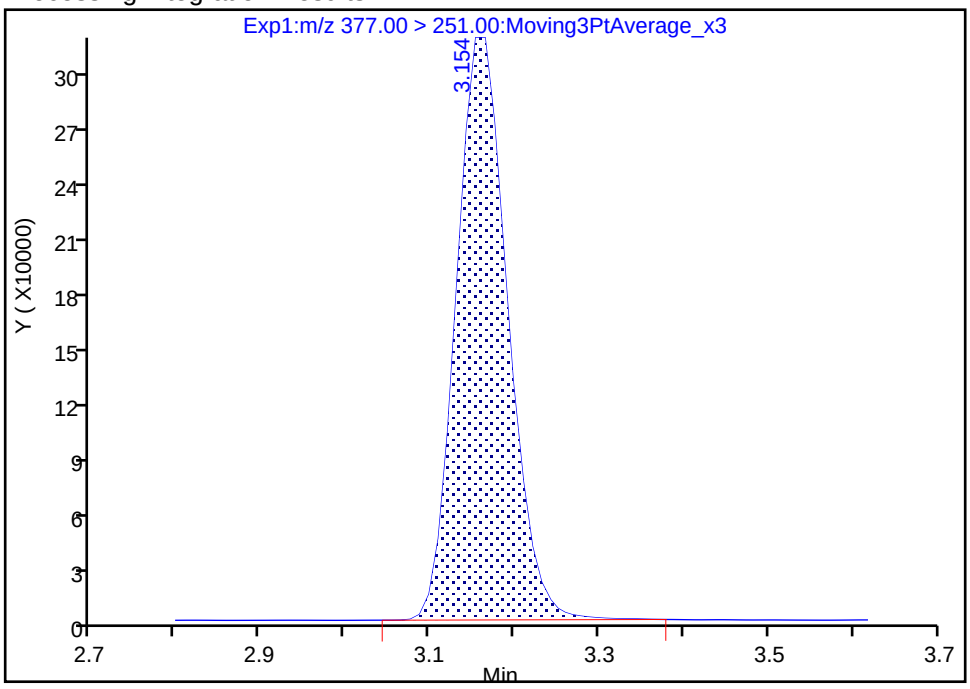
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d				
Injection Date:	03-Aug-2022 13:16:40	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	4	Worklist Smp#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

77 DONA, CAS: 919005-14-4

Signal: 1

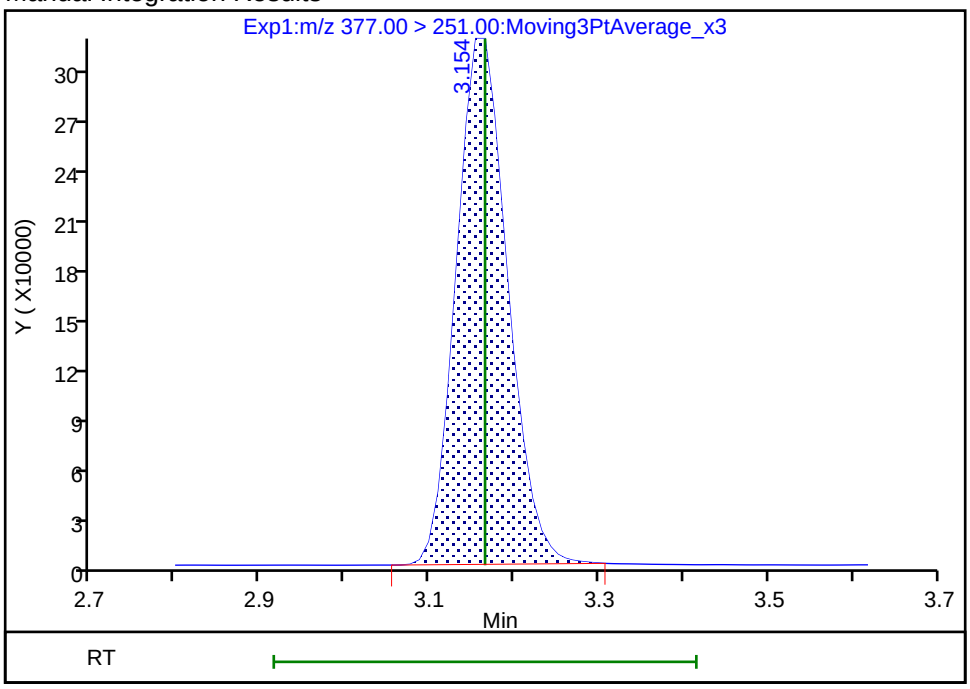
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

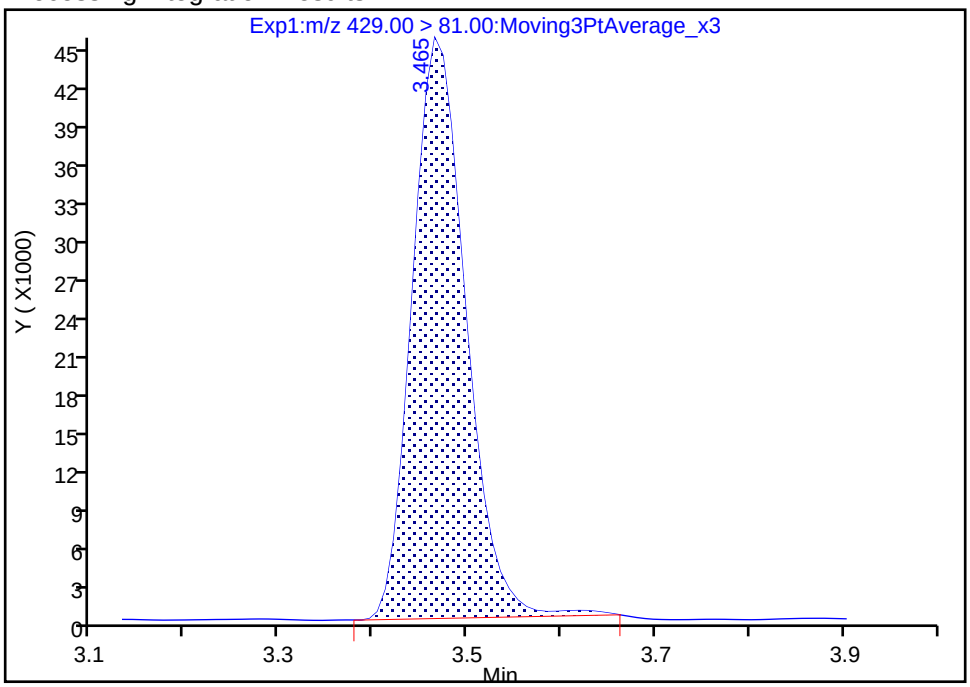
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

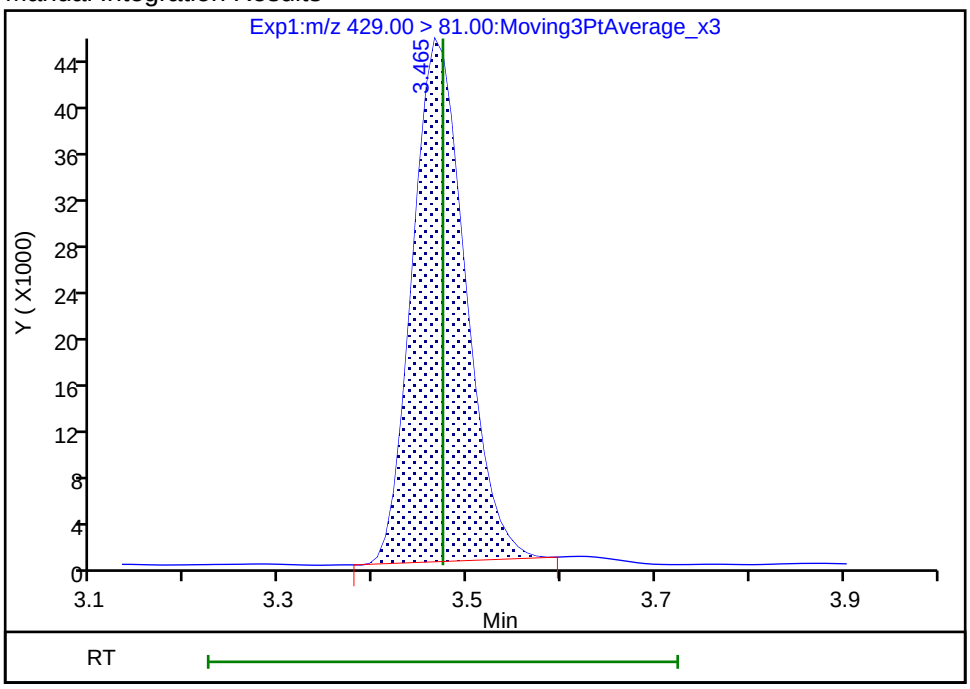
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

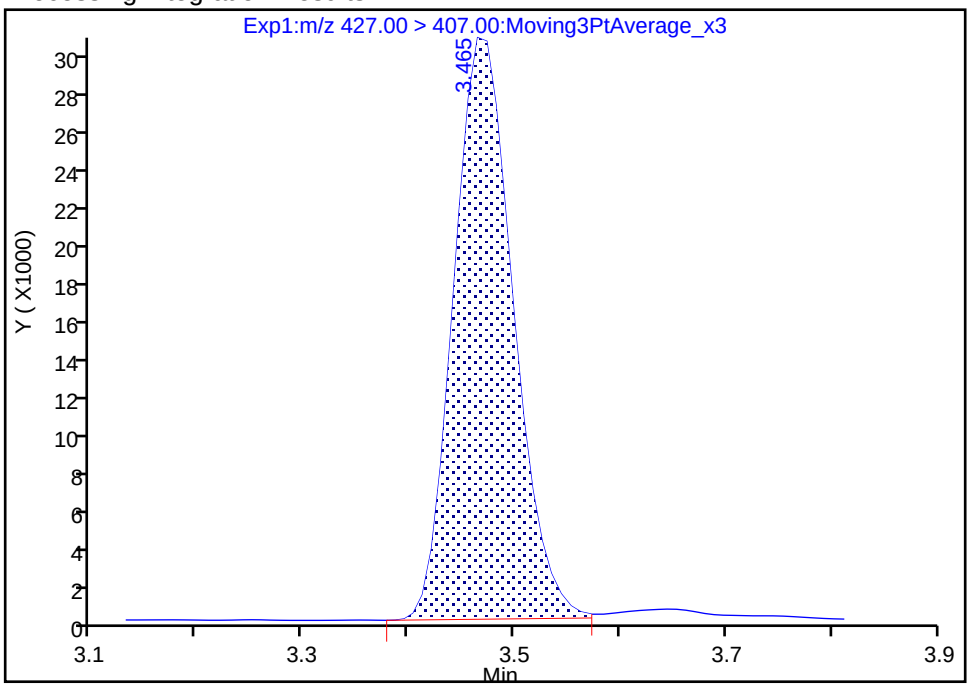
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d				
Injection Date:	03-Aug-2022 13:16:40	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	4	Worklist Smp#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

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

Signal: 1

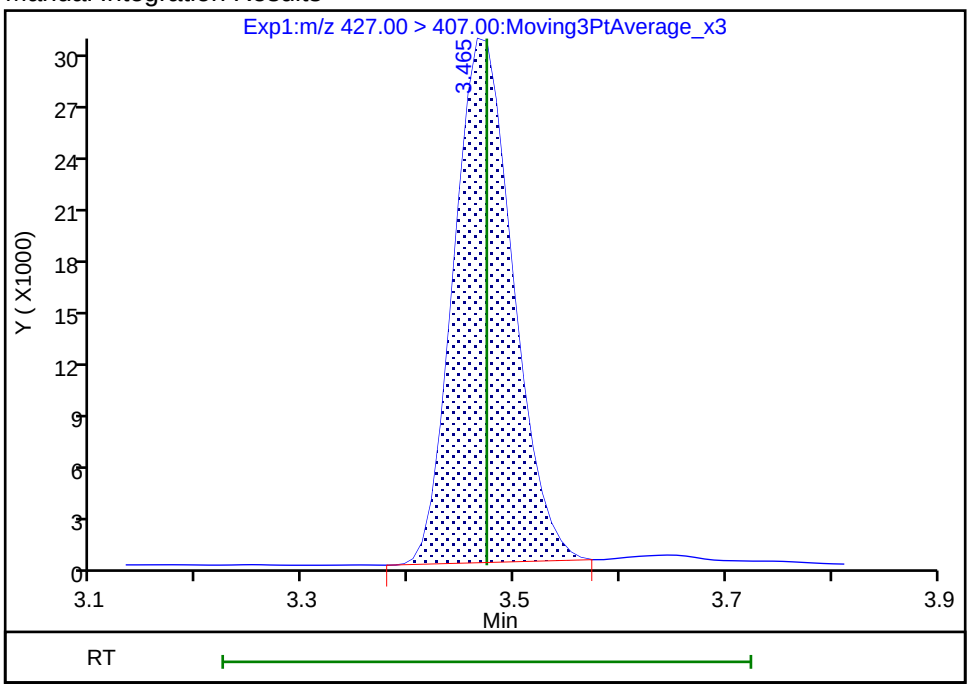
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:41:17

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

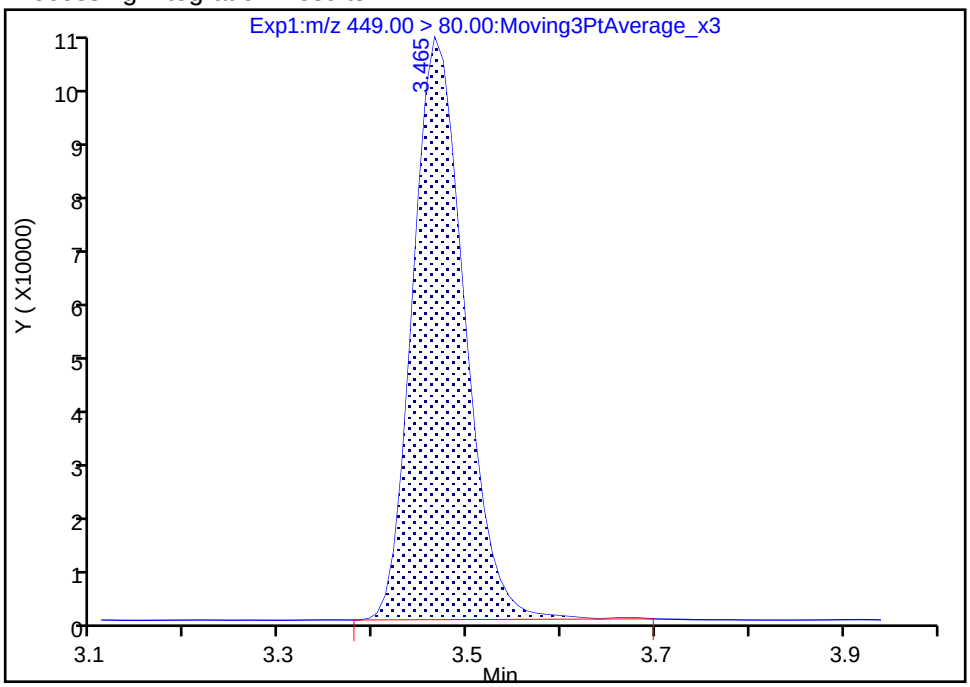
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

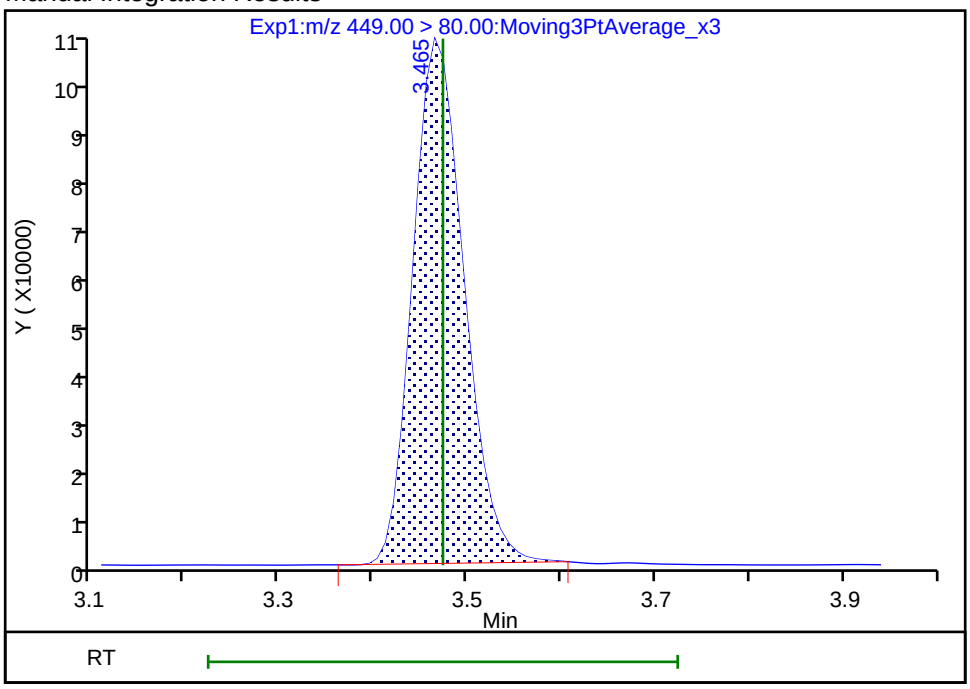
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

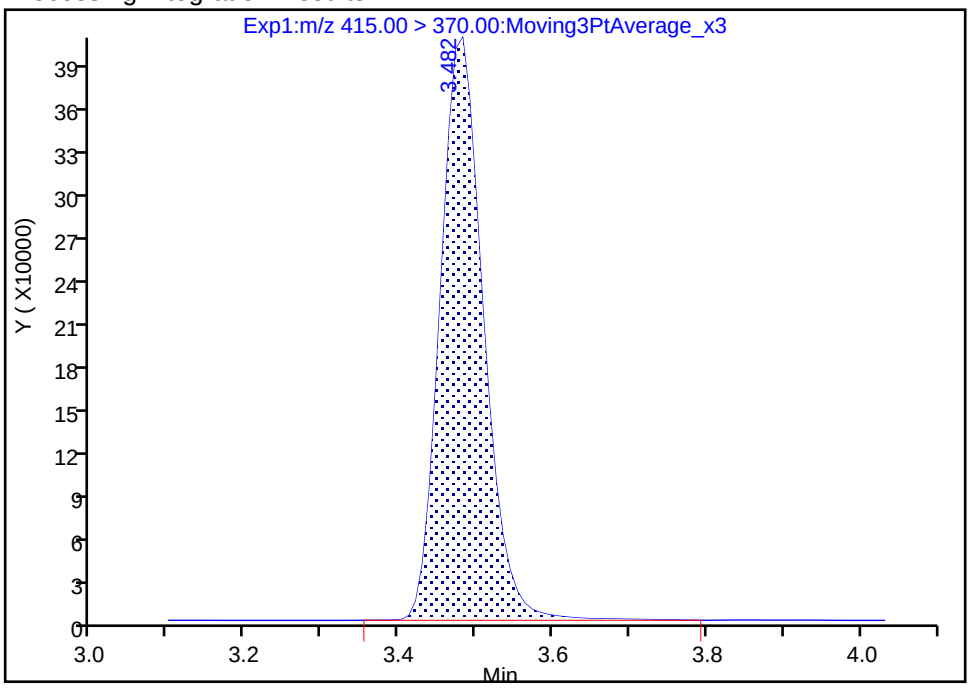
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

* 62 13C2 PFOA, CAS: STL00623

Signal: 1

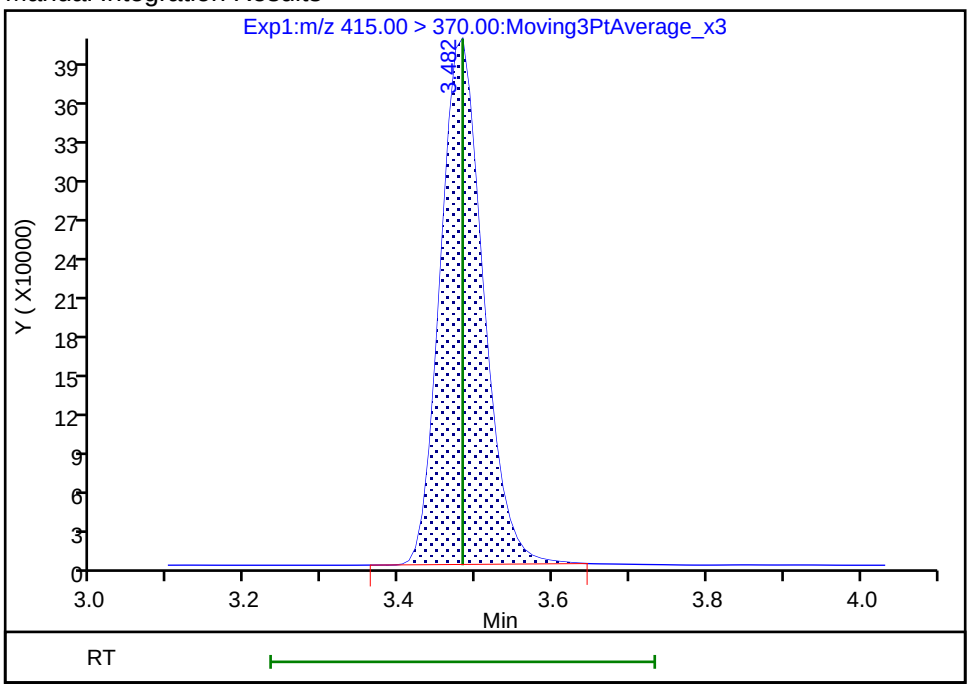
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

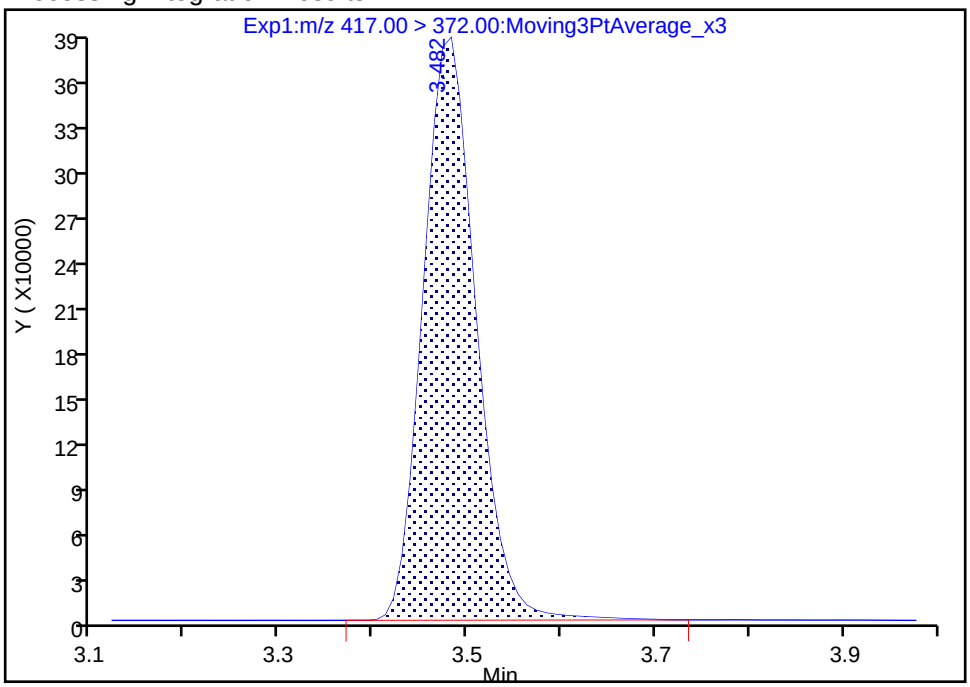
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

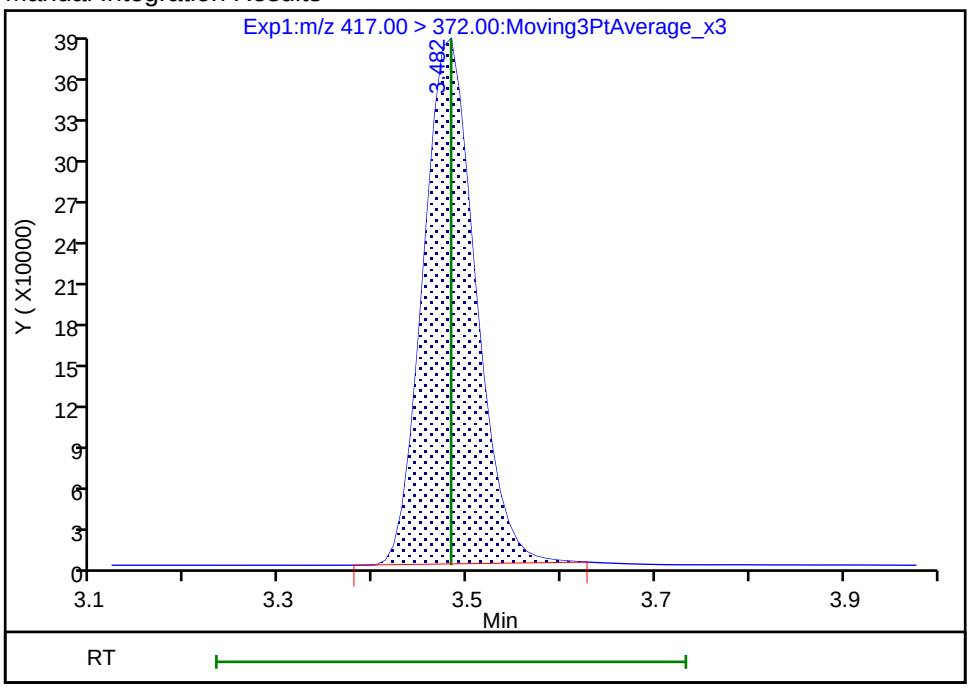
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:41:29
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

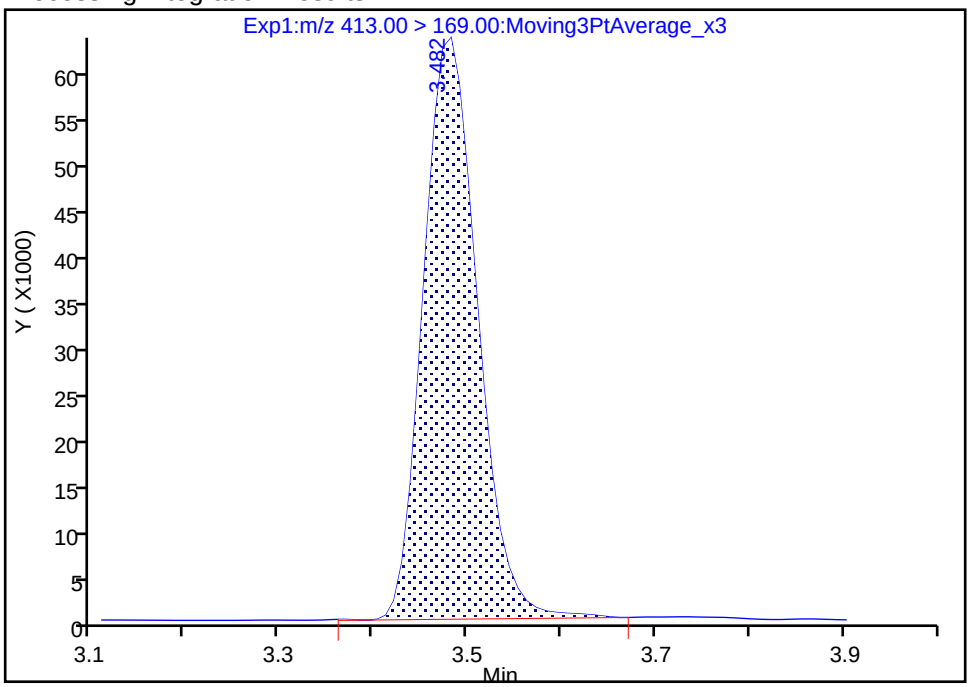
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

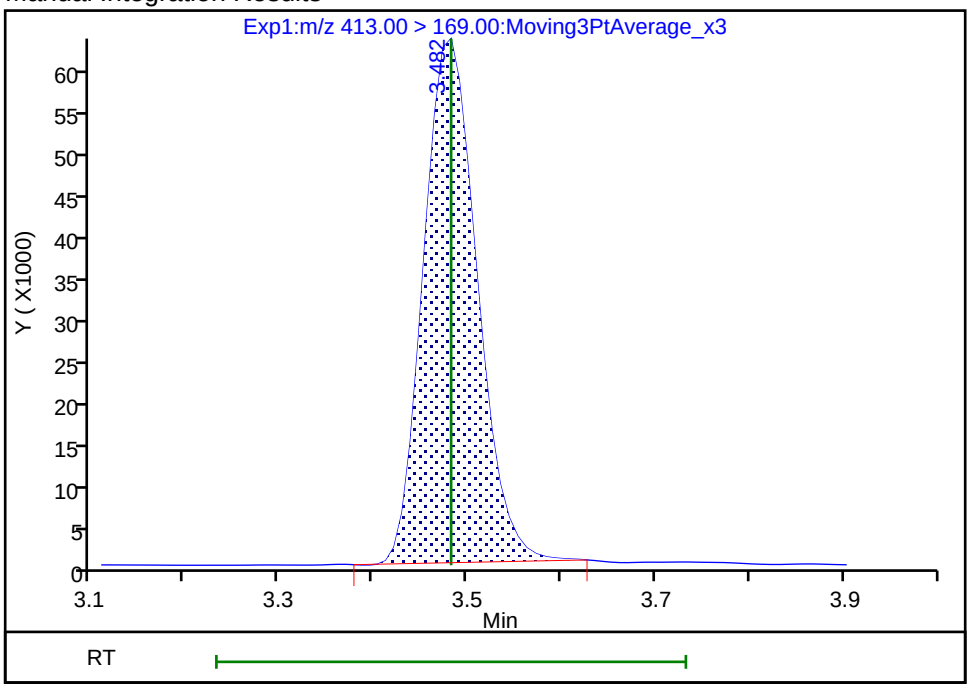
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

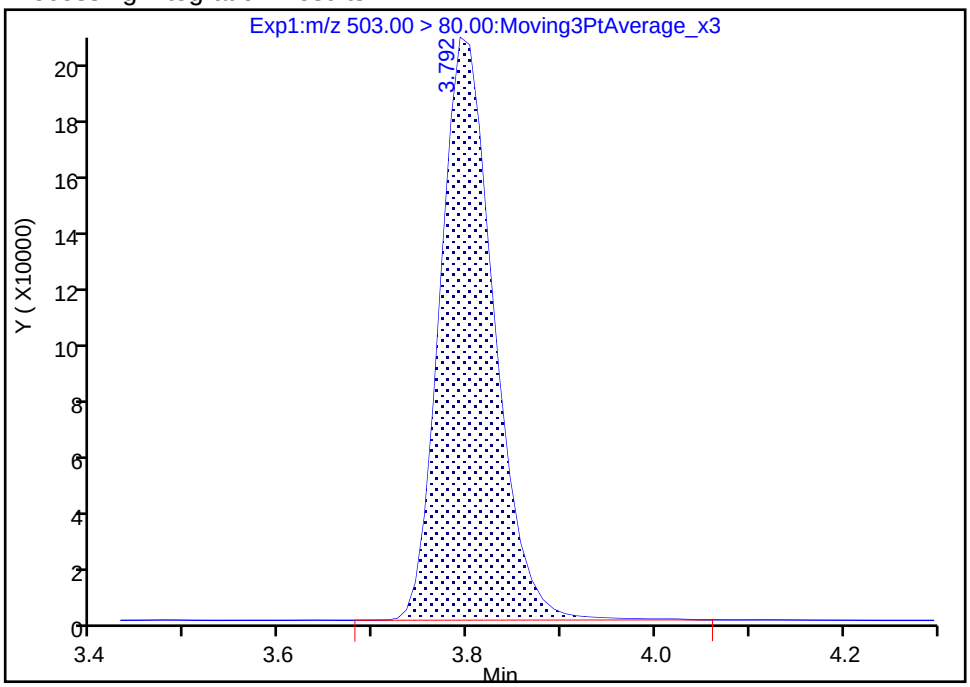
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 18 13C4 PFOS, CAS: STL00991

Signal: 1

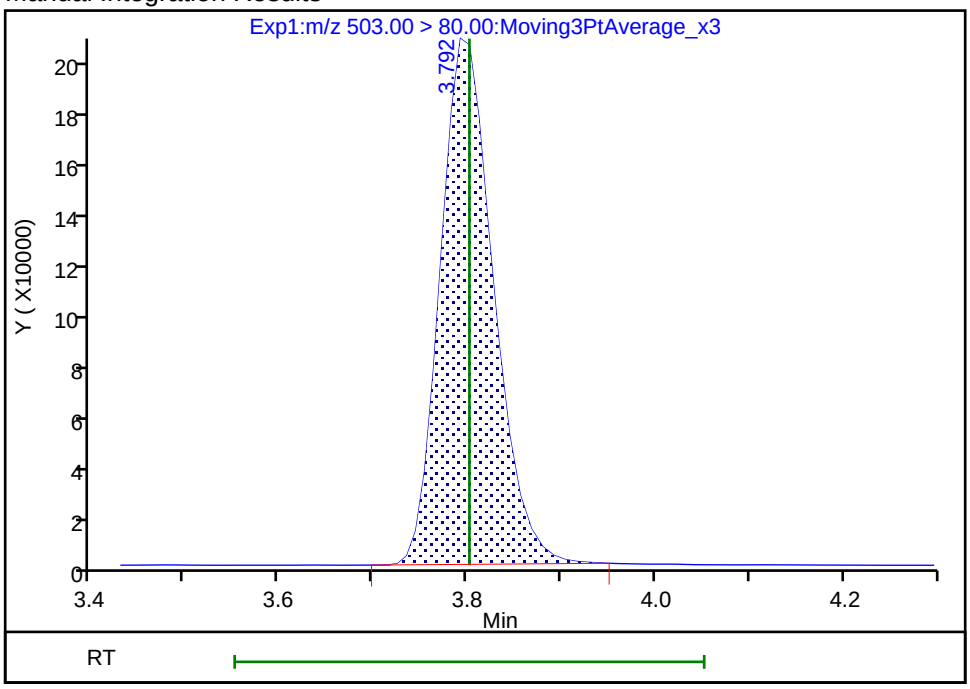
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

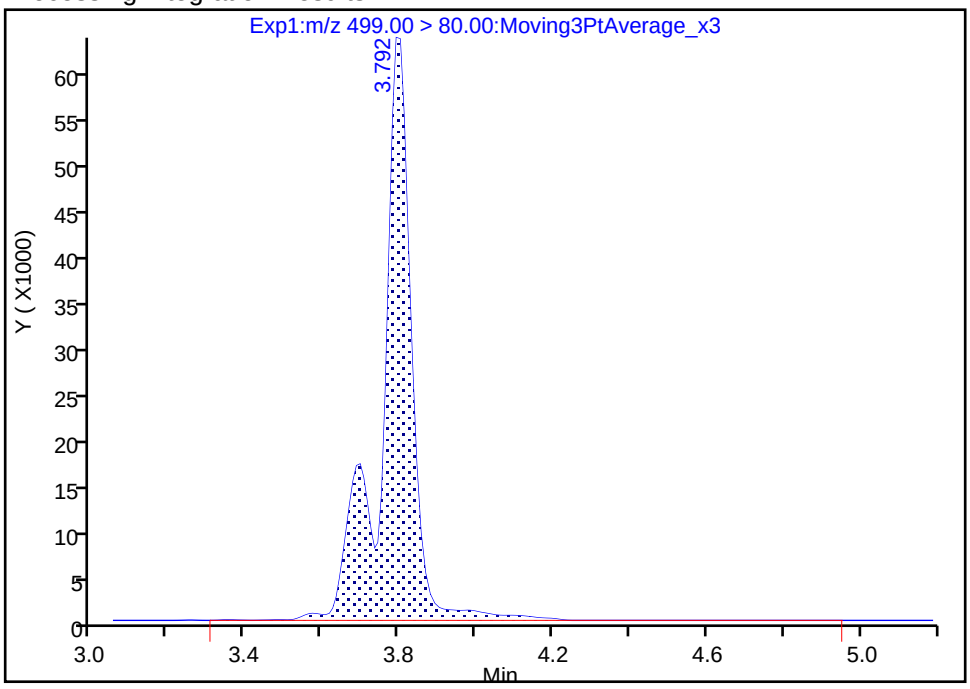
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d				
Injection Date:	03-Aug-2022 13:16:40	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	4	Worklist Smp#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

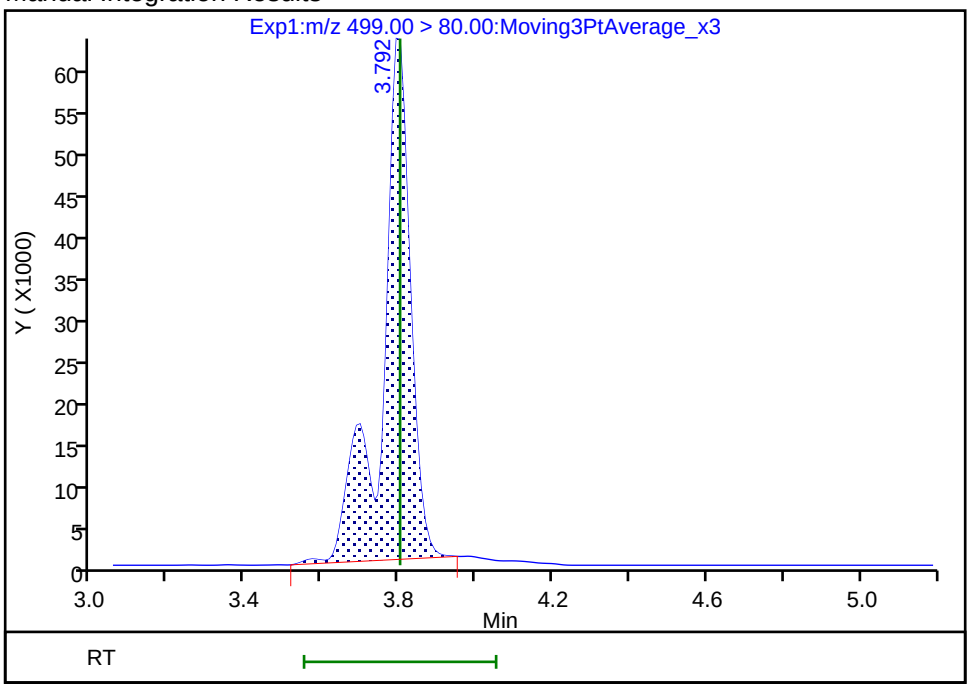
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:41:45

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

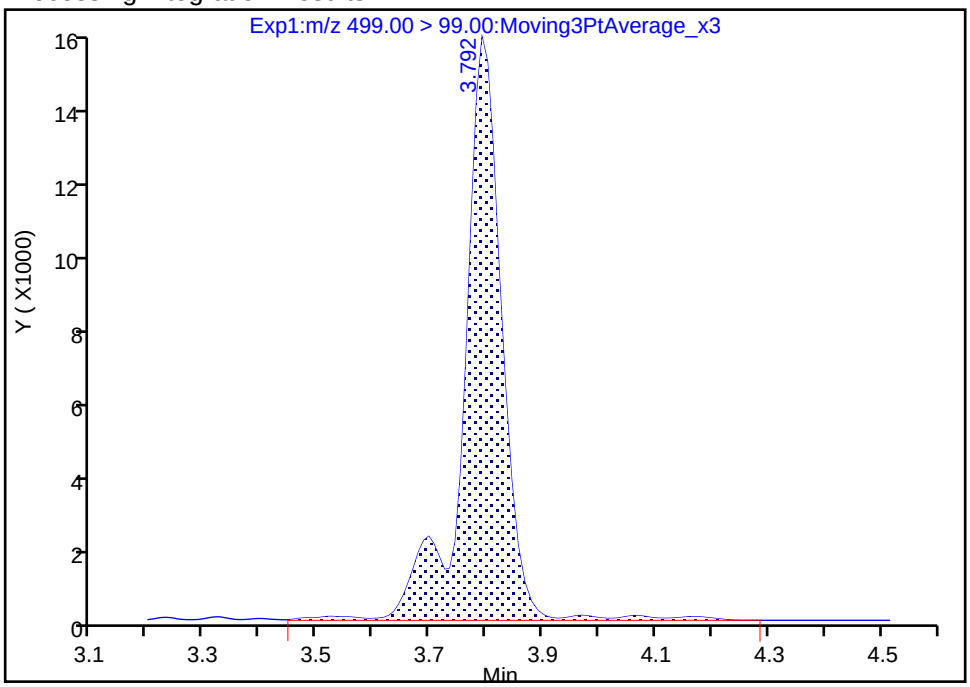
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

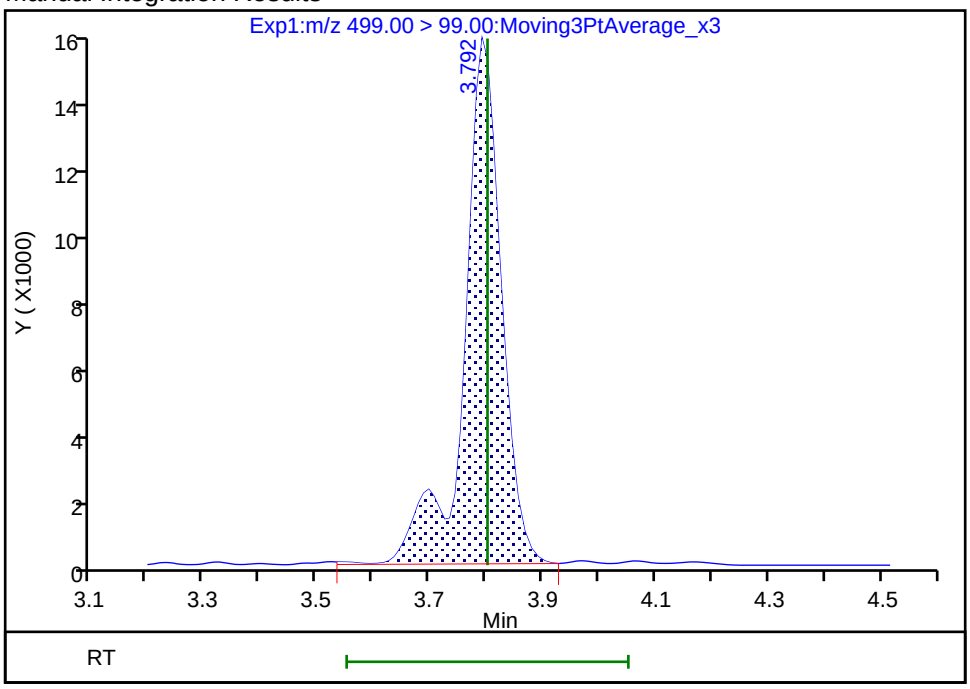
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:42:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

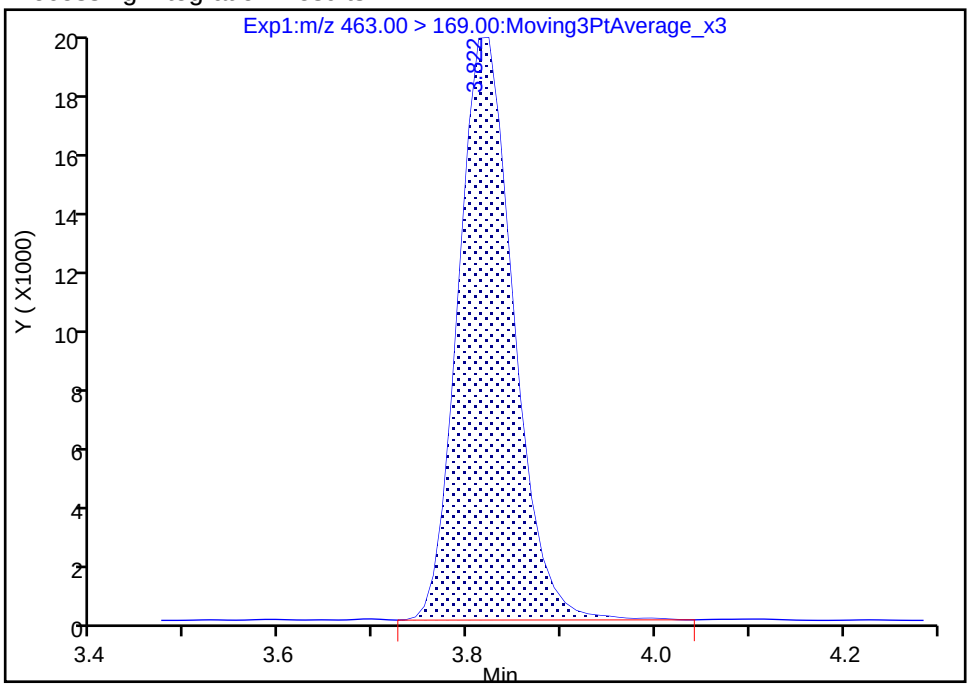
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

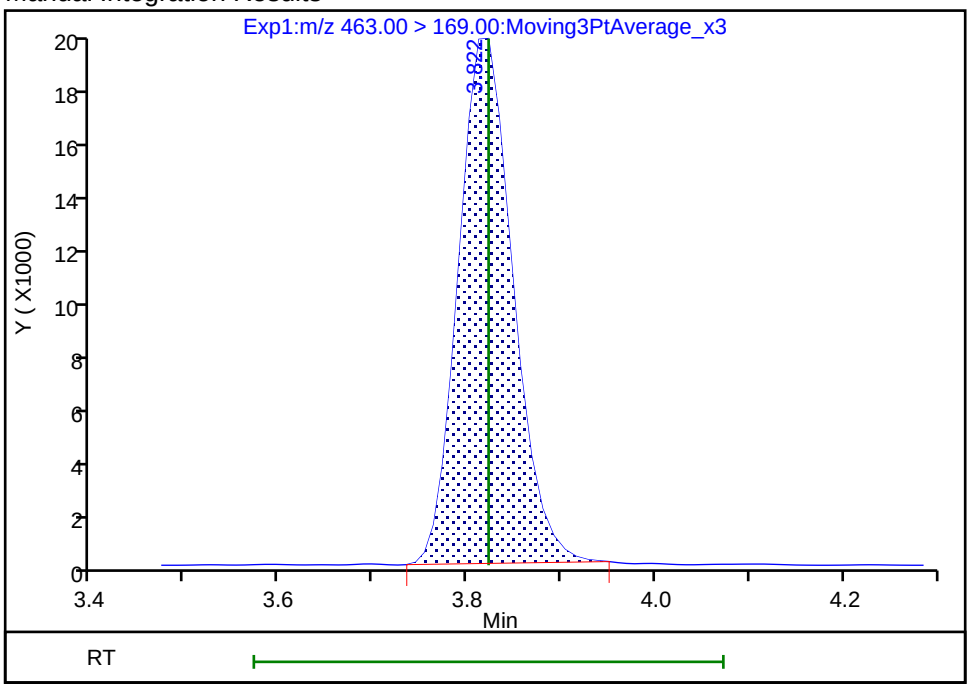
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

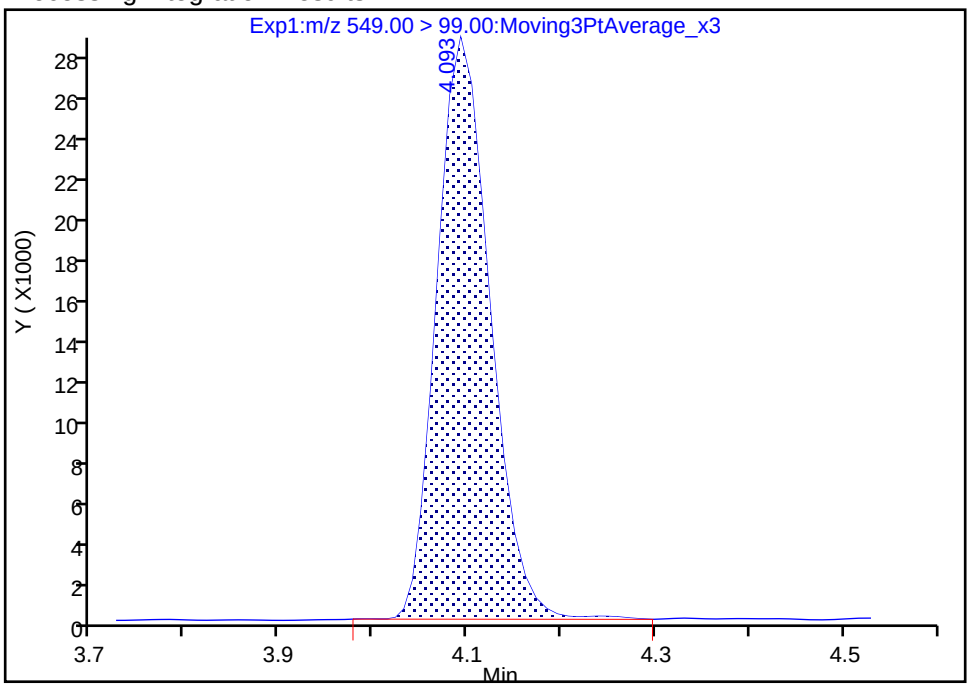
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d				
Injection Date:	03-Aug-2022 13:16:40	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	4	Worklist Smp#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

68 Perfluorononanesulfonic acid, CAS: 68259-12-1

Signal: 2

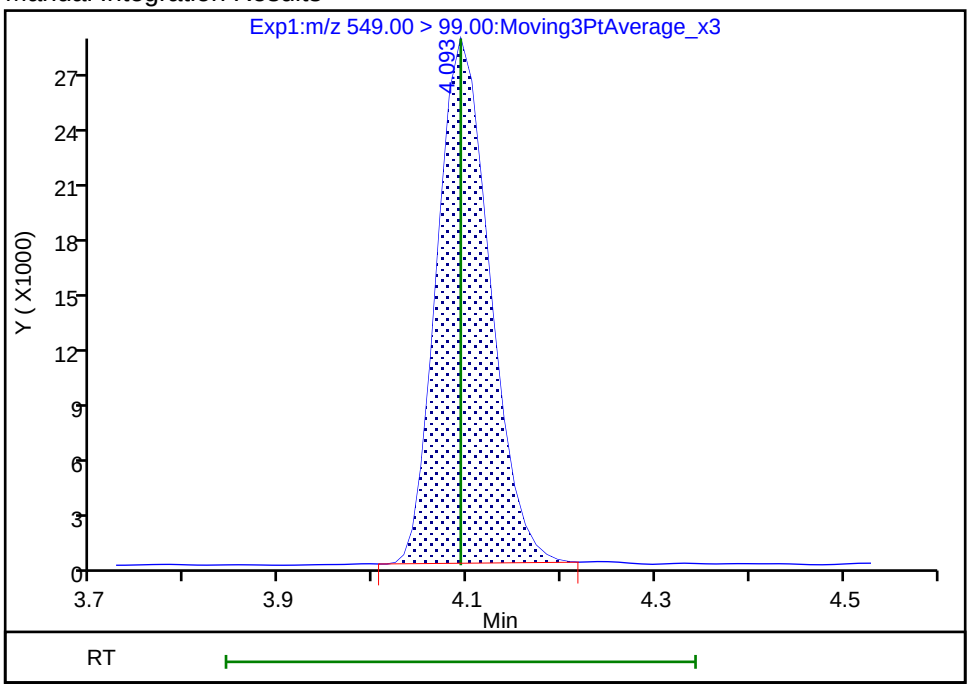
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:42:16

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

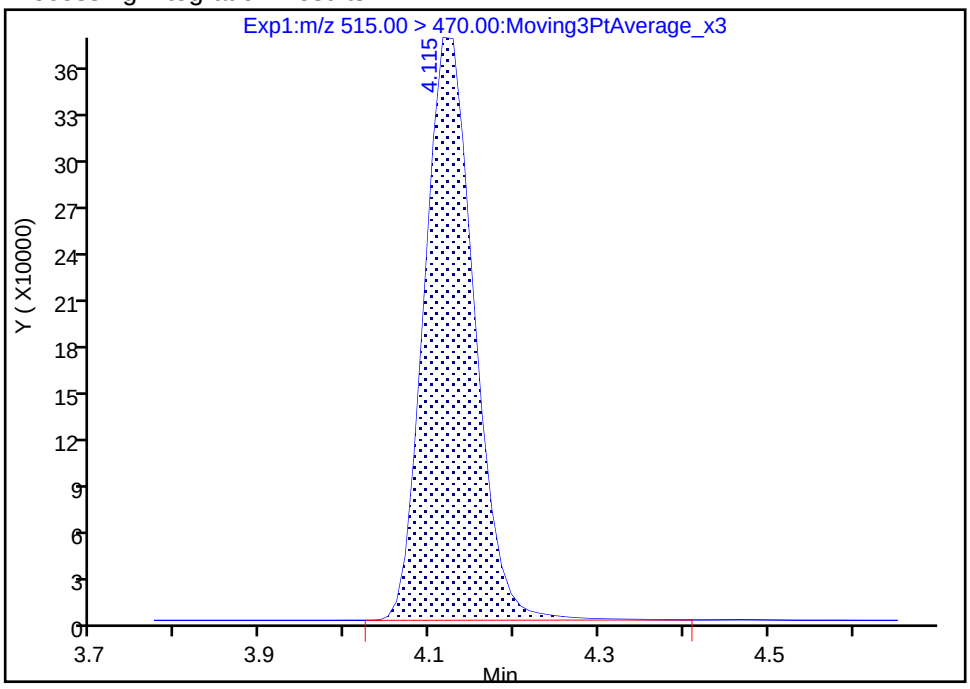
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d				
Injection Date:	03-Aug-2022 13:16:40	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	4	Worklist Smp#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

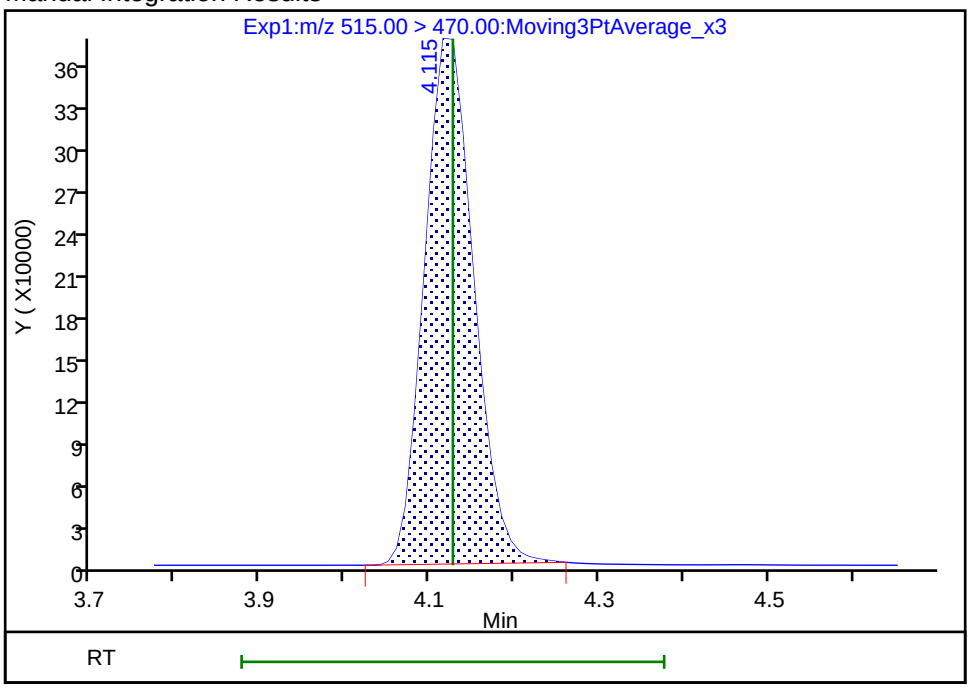
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

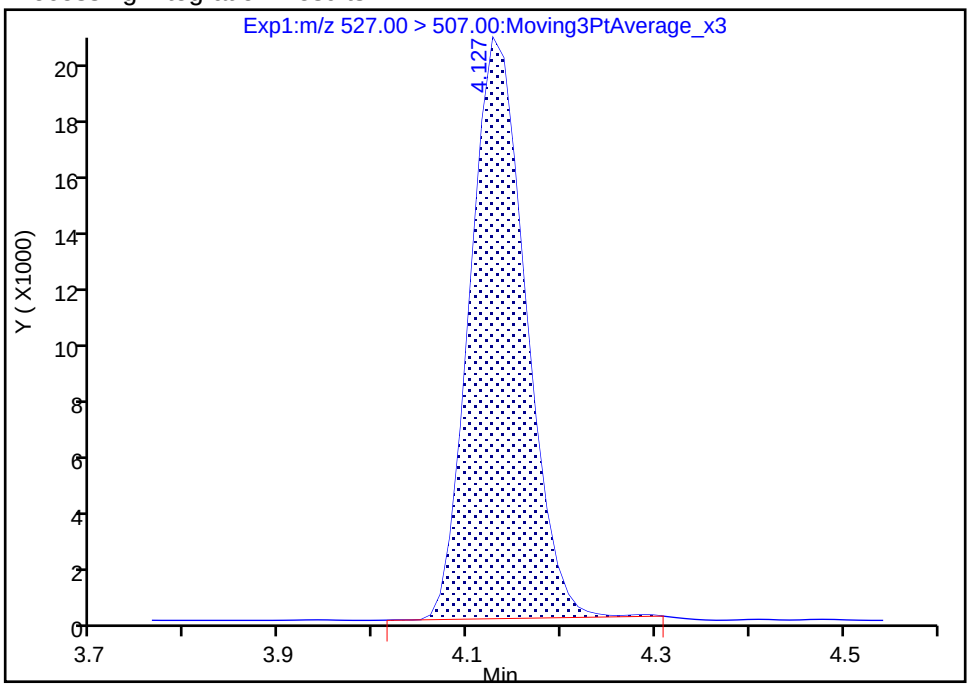
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

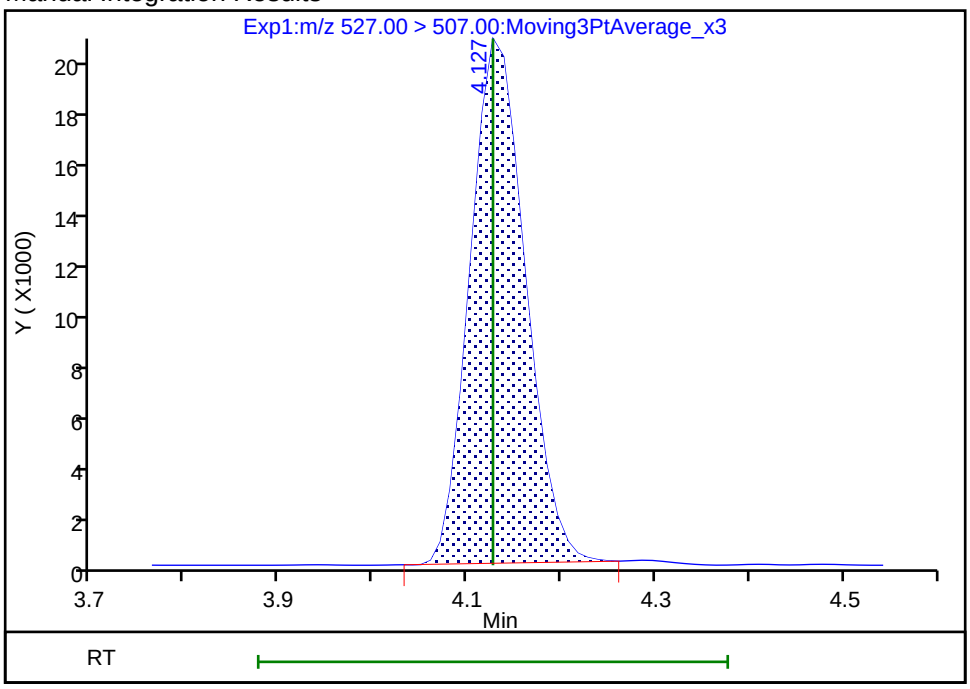
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

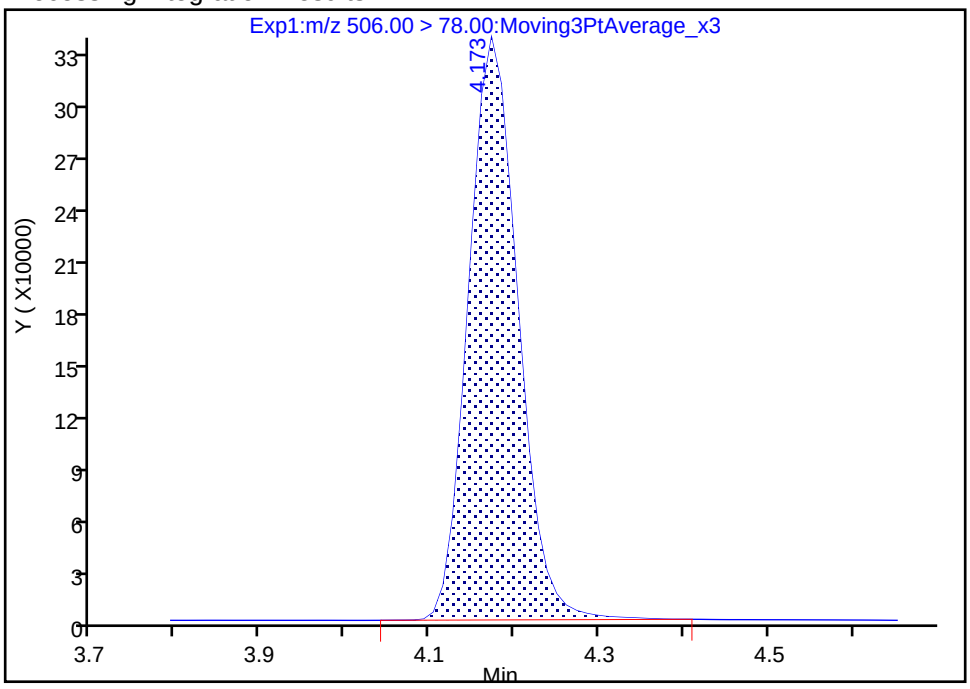
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d				
Injection Date:	03-Aug-2022 13:16:40	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	4	Worklist Smp#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

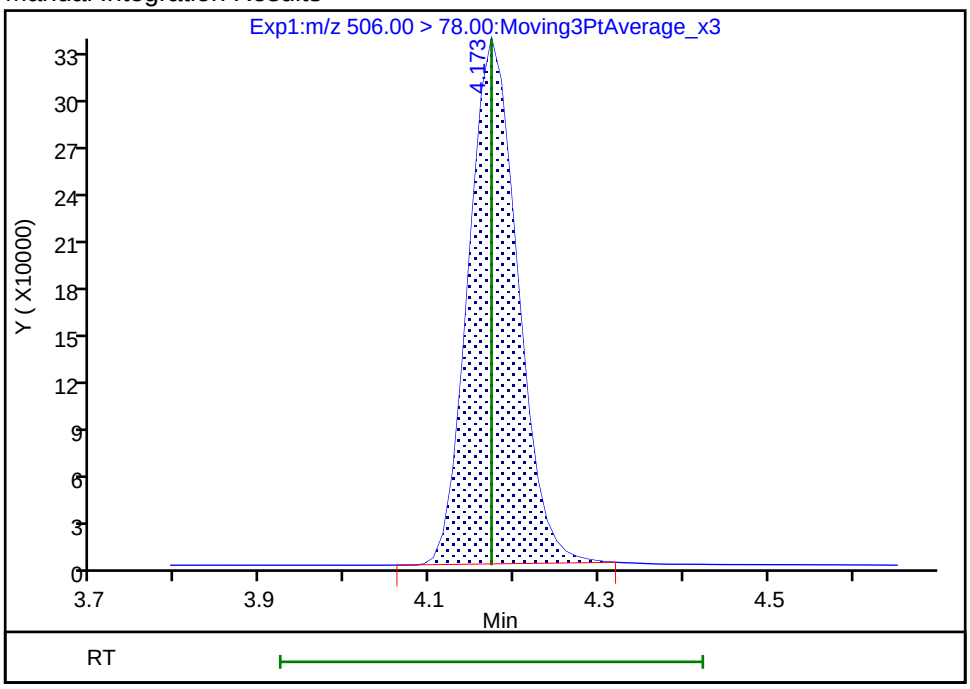
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:42:36

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

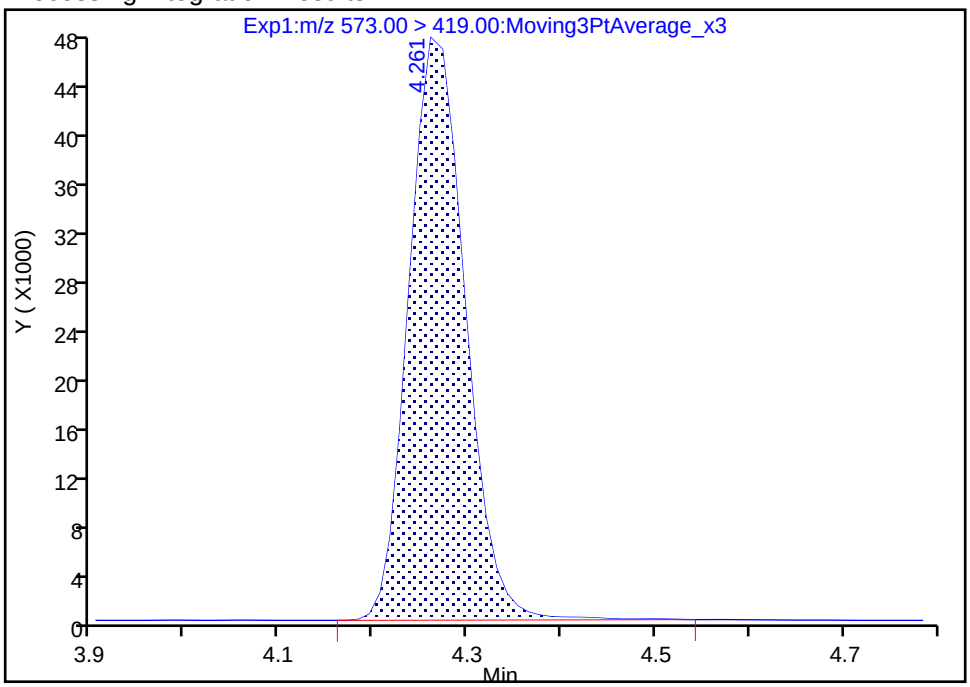
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

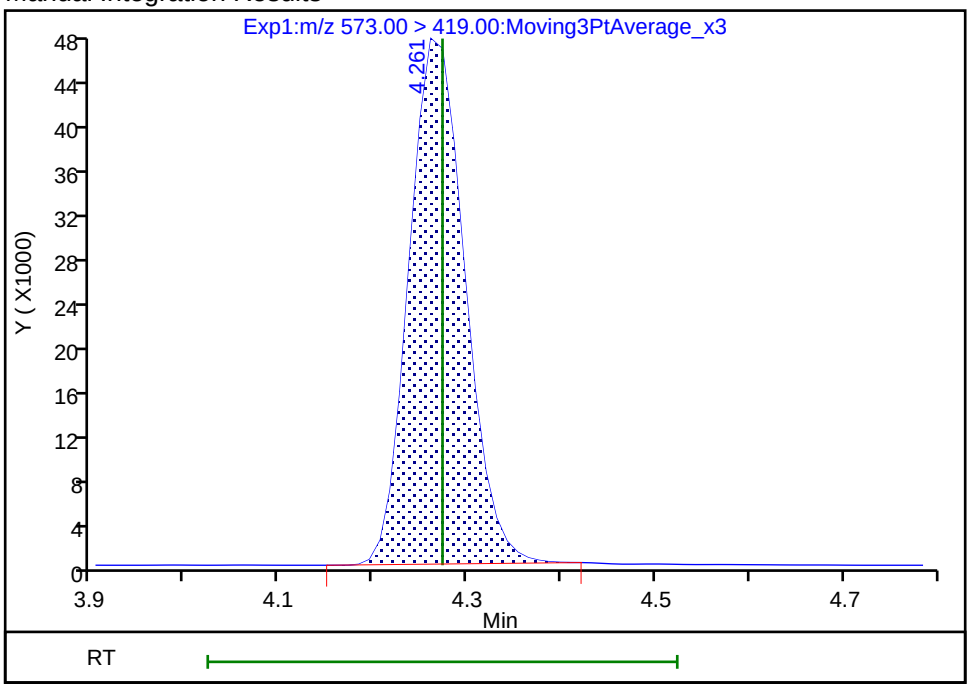
Processing Integration Results

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



Manual Integration Results

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



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

Eurofins Burlington

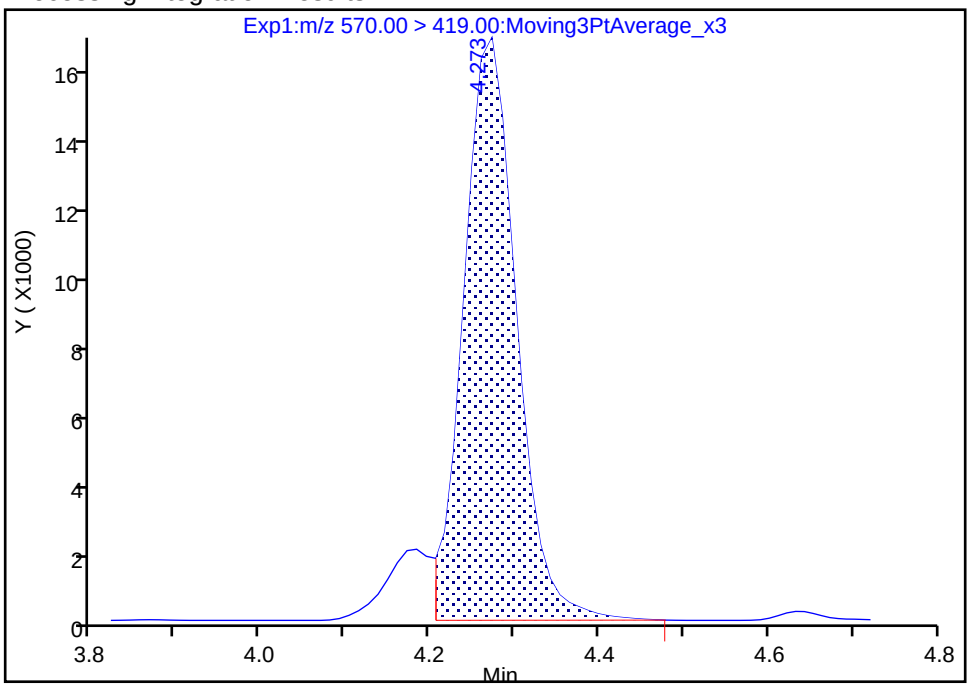
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

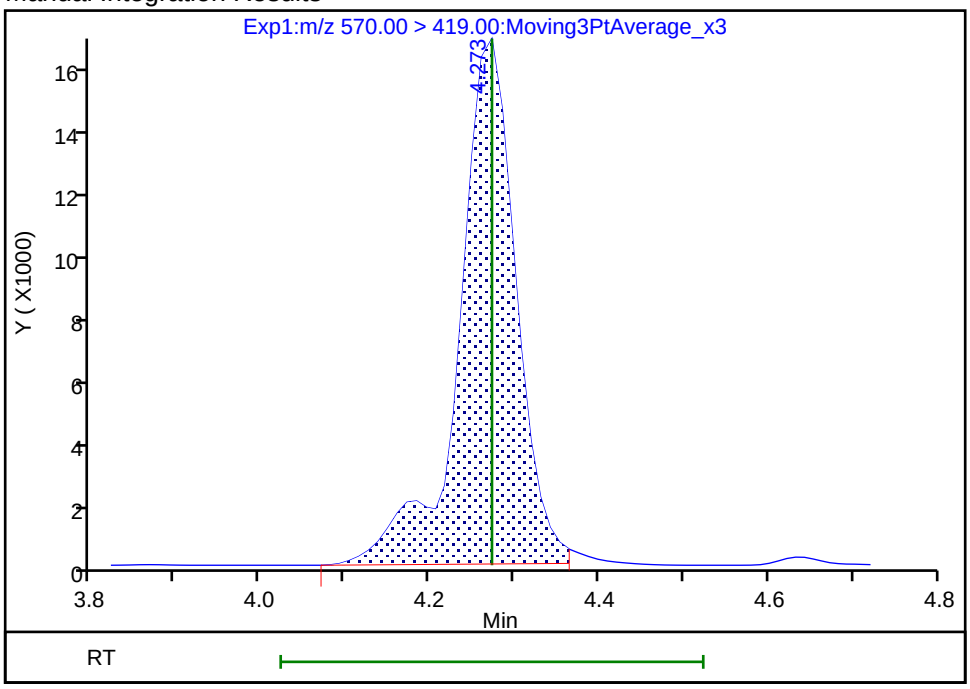
Processing Integration Results

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



Manual Integration Results

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



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

Eurofins Burlington

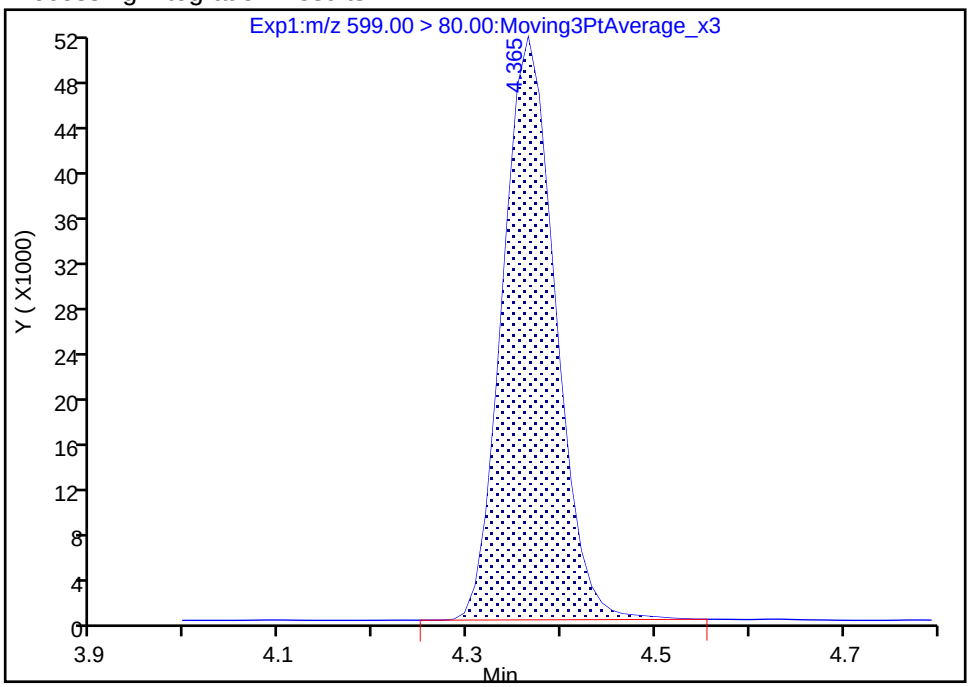
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d				
Injection Date:	03-Aug-2022 13:16:40	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	4	Worklist Smp#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

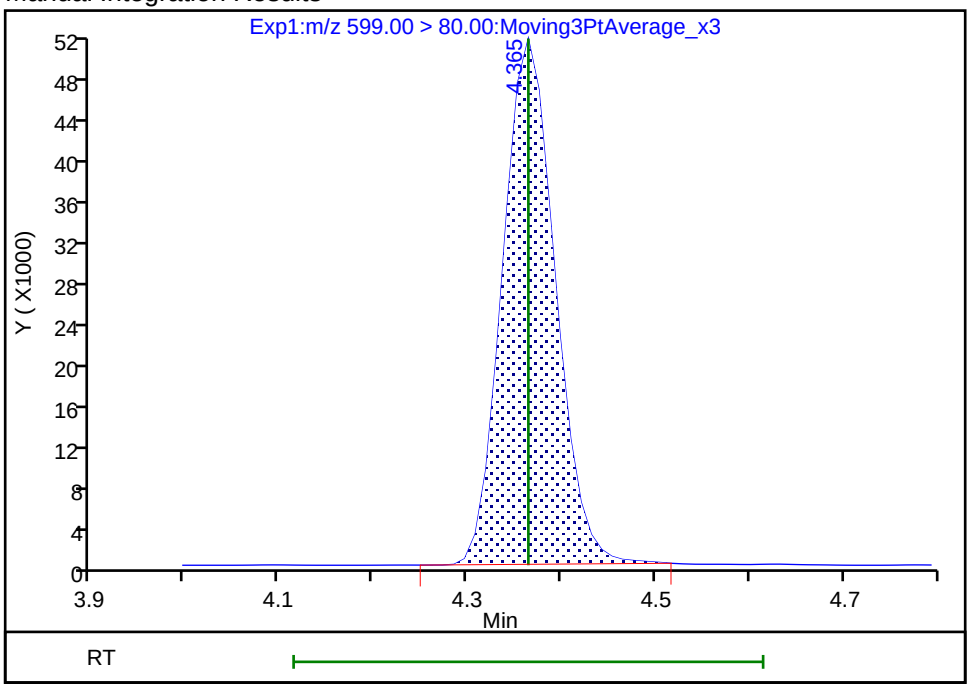
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

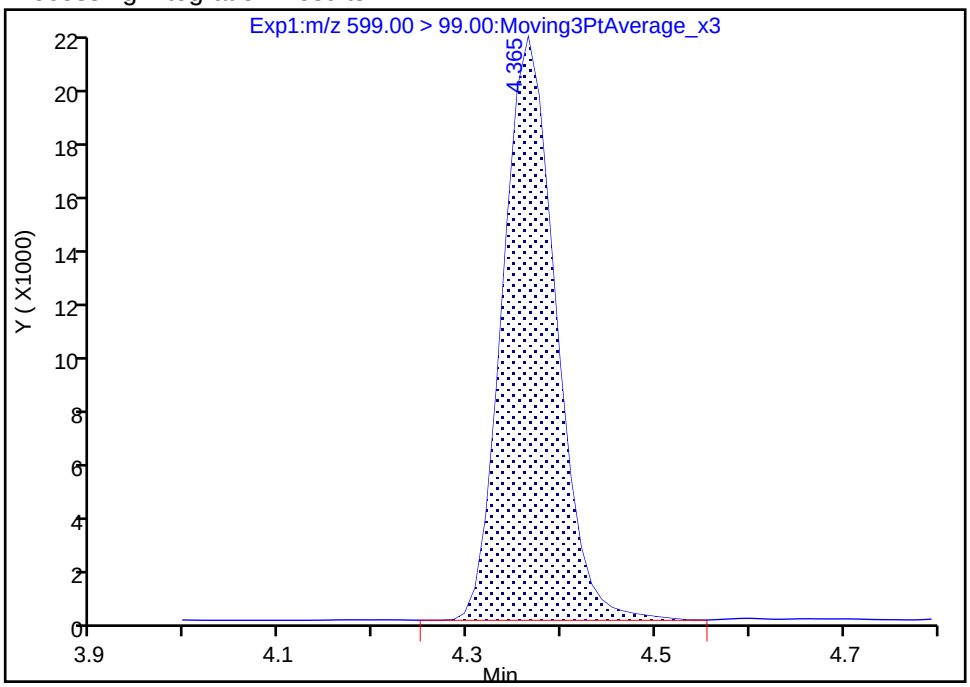
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d				
Injection Date:	03-Aug-2022 13:16:40	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	4	Worklist Smp#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

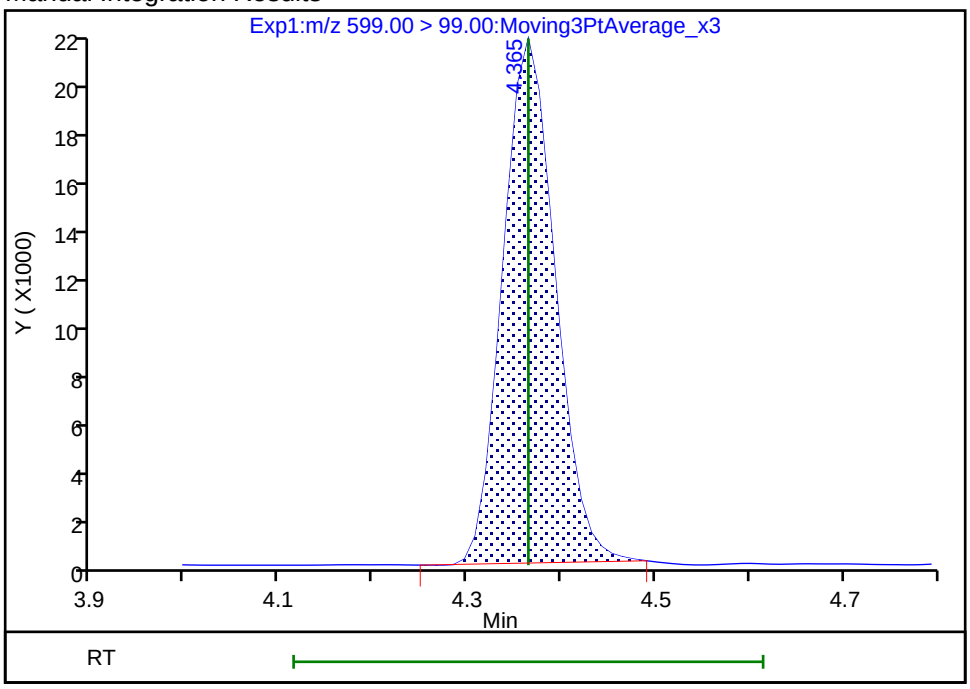
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:43:02
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

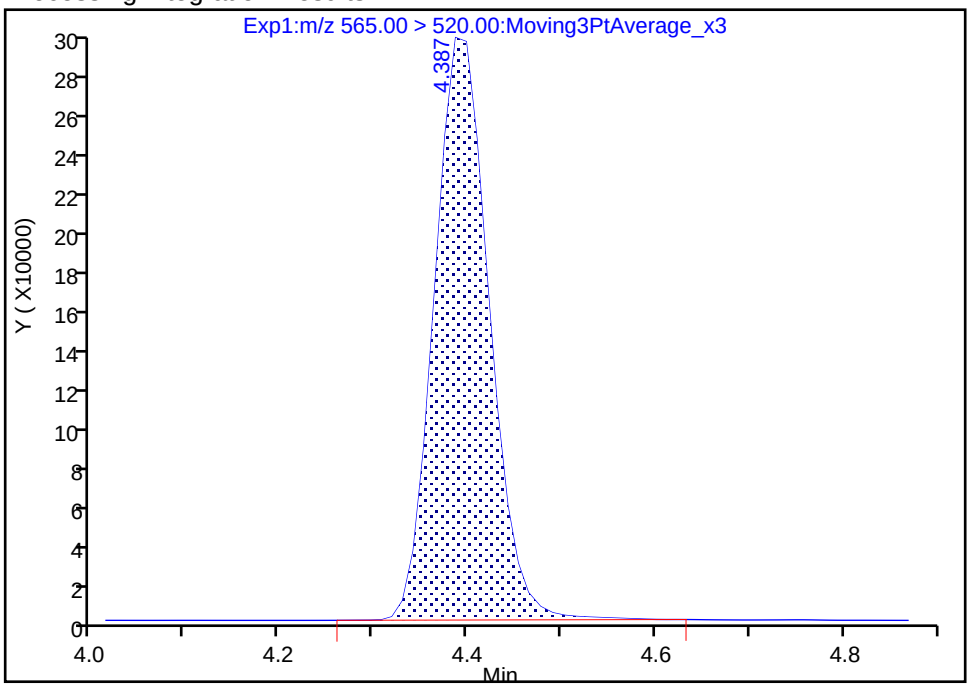
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d				
Injection Date:	03-Aug-2022 13:16:40	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	4	Worklist Smp#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

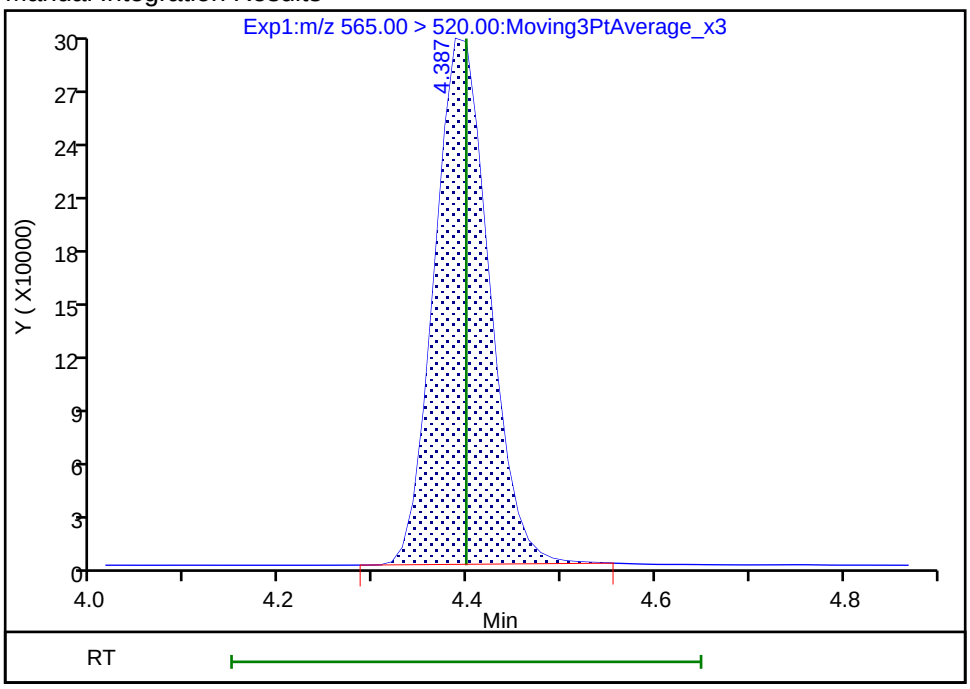
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:43:18

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

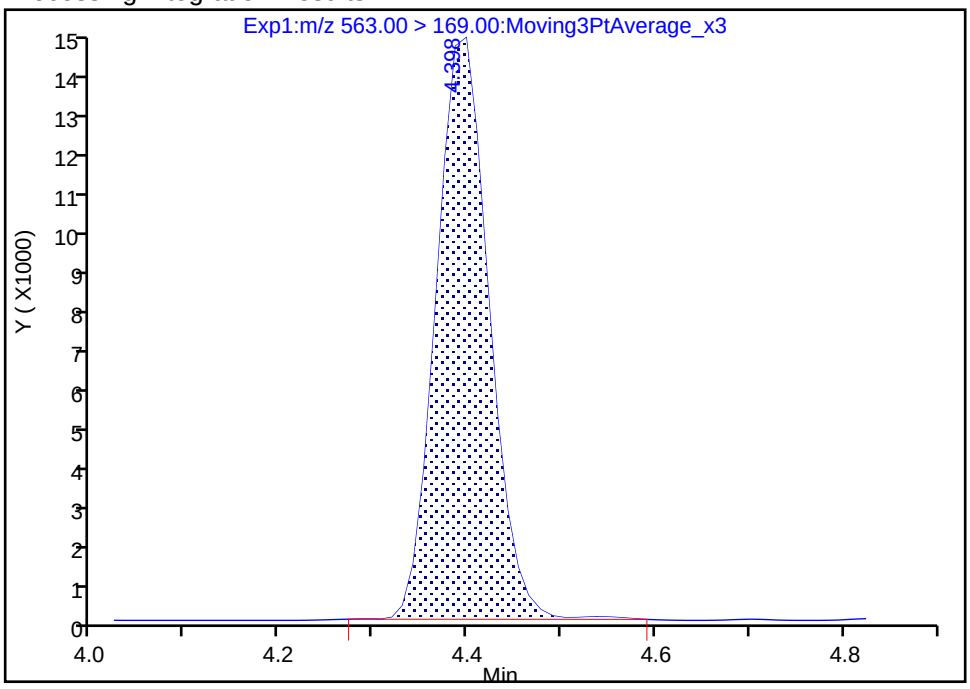
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

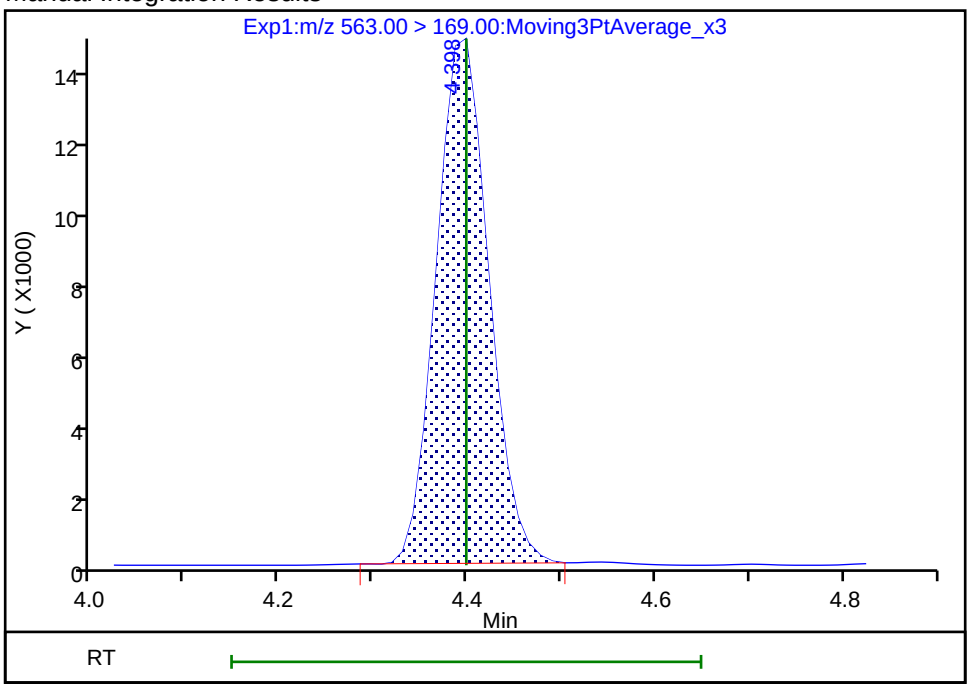
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

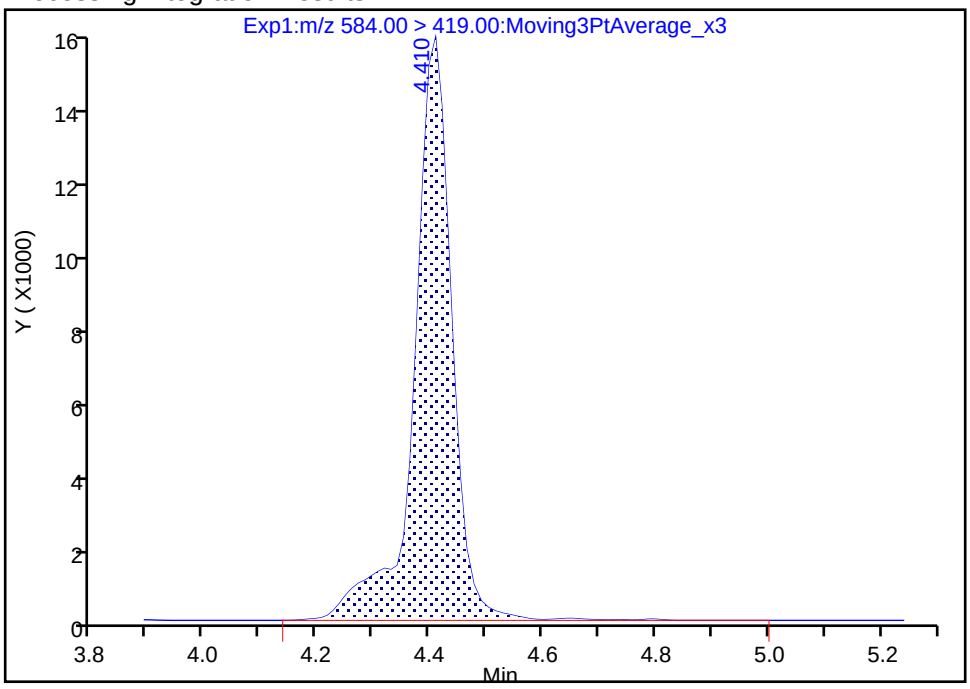
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

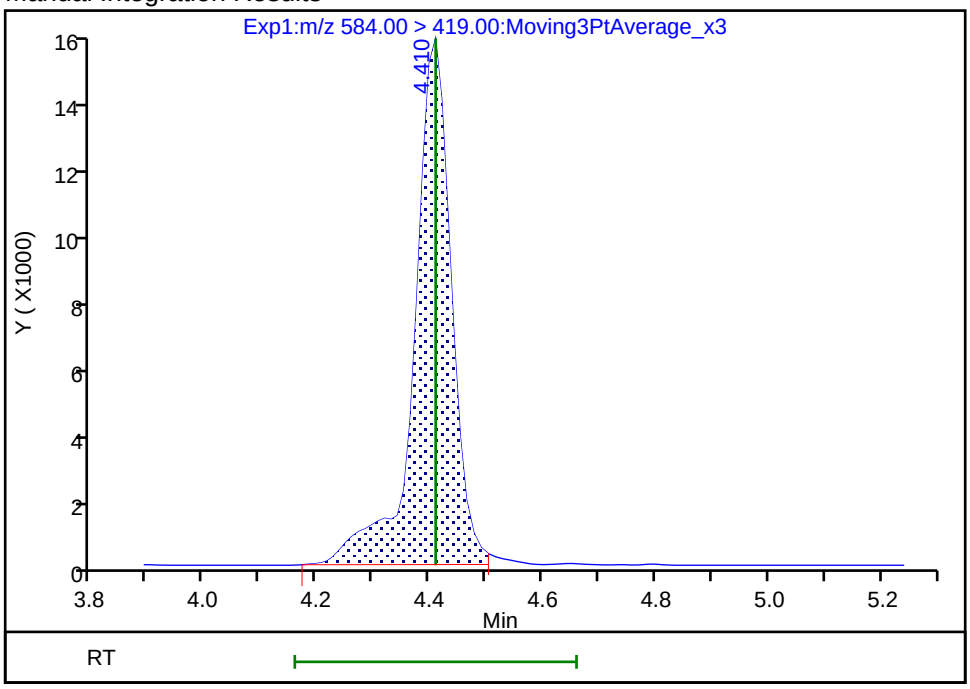
Processing Integration Results

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



Manual Integration Results

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



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

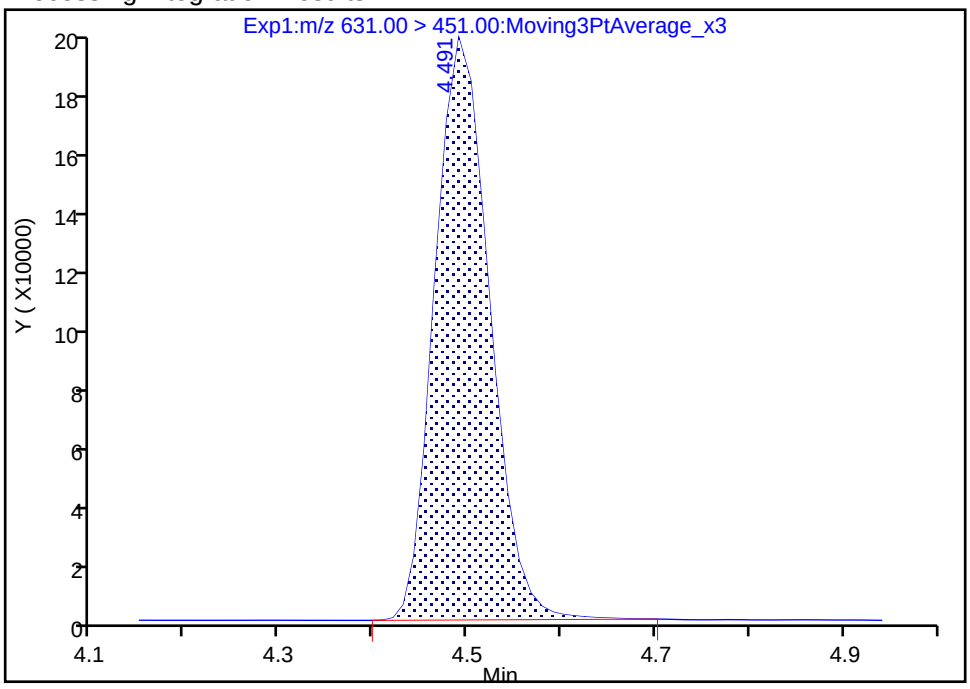
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d				
Injection Date:	03-Aug-2022 13:16:40	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	4	Worklist Smp#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

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

Signal: 1

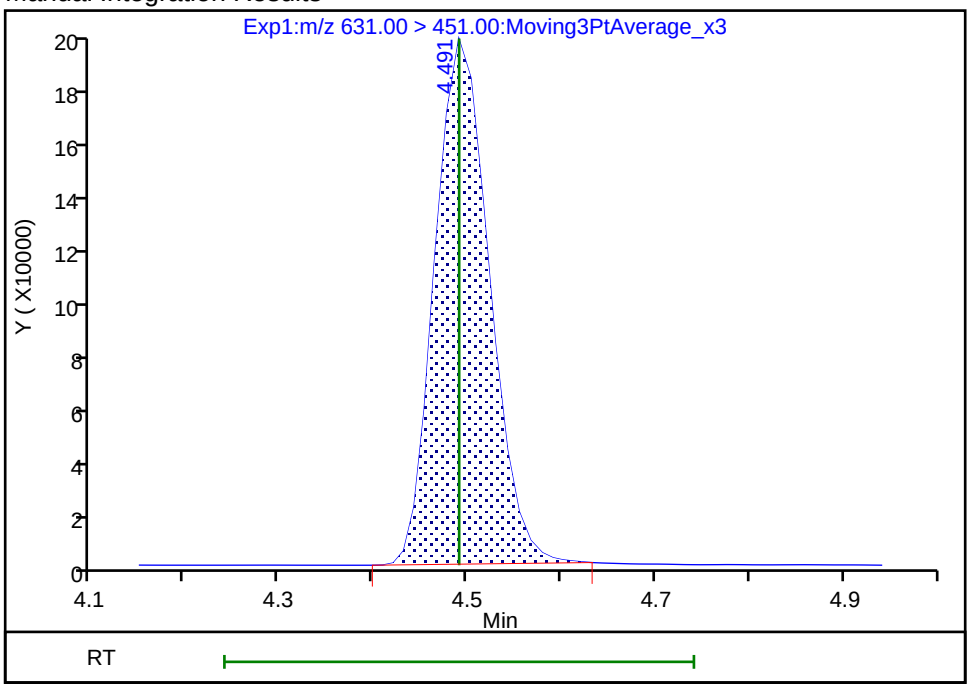
Processing Integration Results

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



Manual Integration Results

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



Reviewer: Z1IP, 03-Aug-2022 13:43:39

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

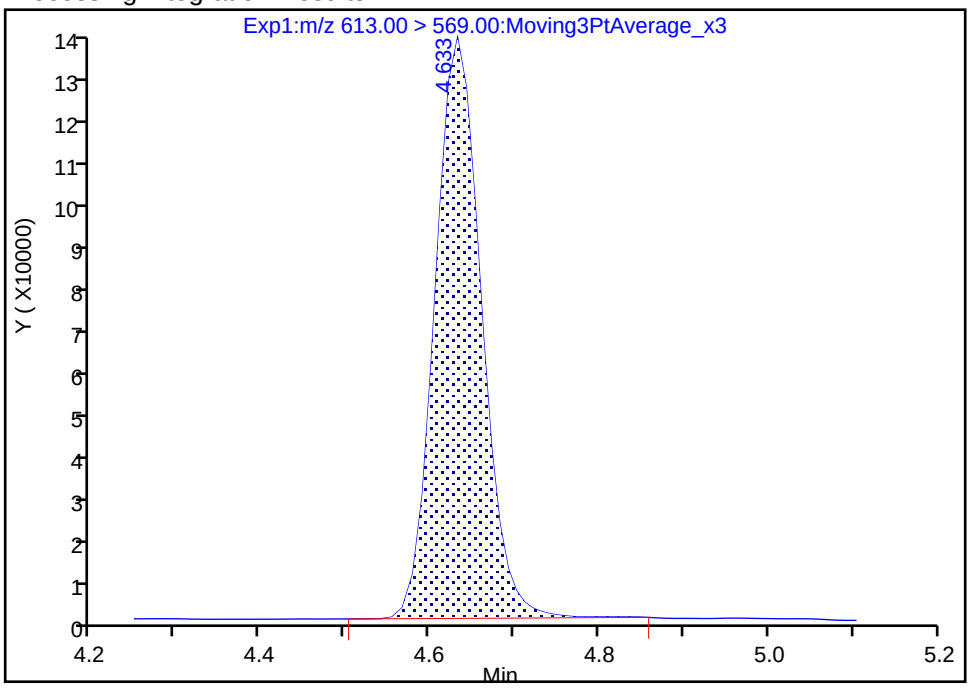
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

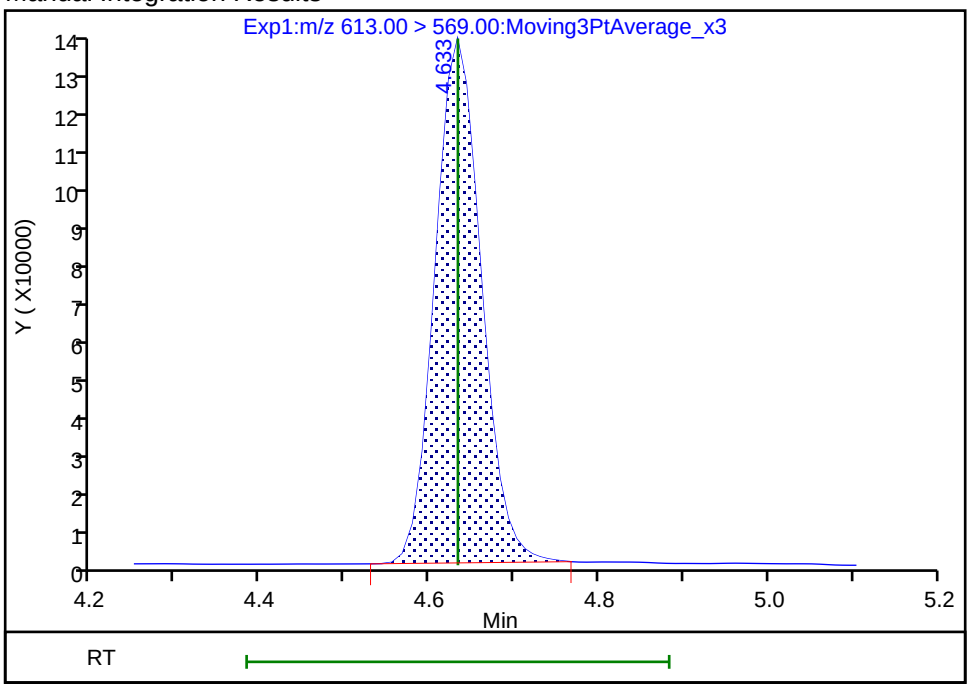
Processing Integration Results

RT: 4.63
Area: 501551
Amount: 0.527306
Amount Units: ng/ml



Manual Integration Results

RT: 4.63
Area: 498404
Amount: 0.526443
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:43:46
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

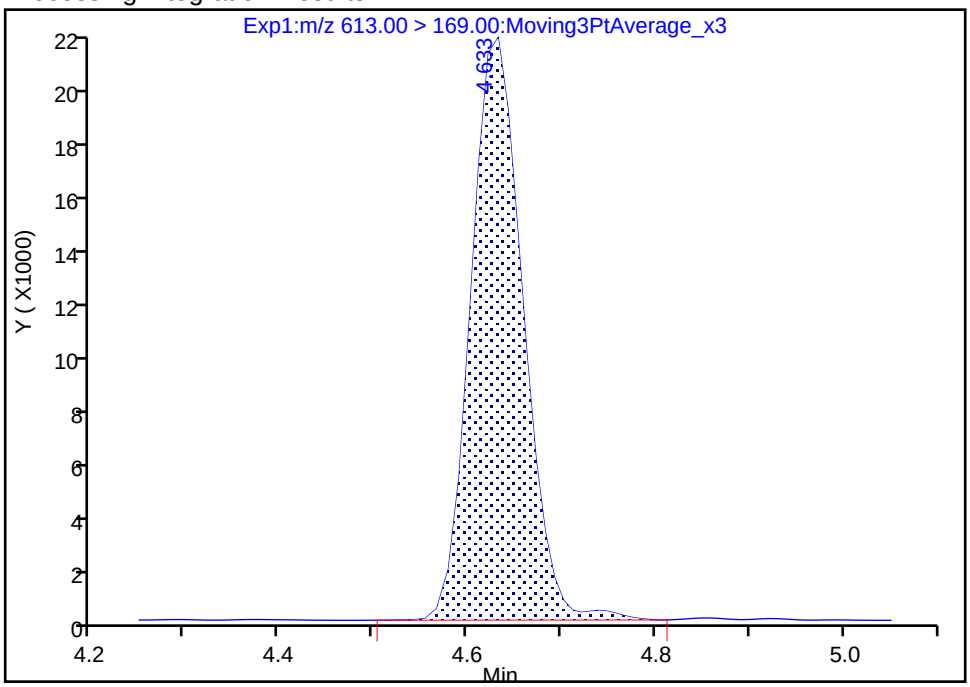
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d				
Injection Date:	03-Aug-2022 13:16:40	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	4	Worklist Smp#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

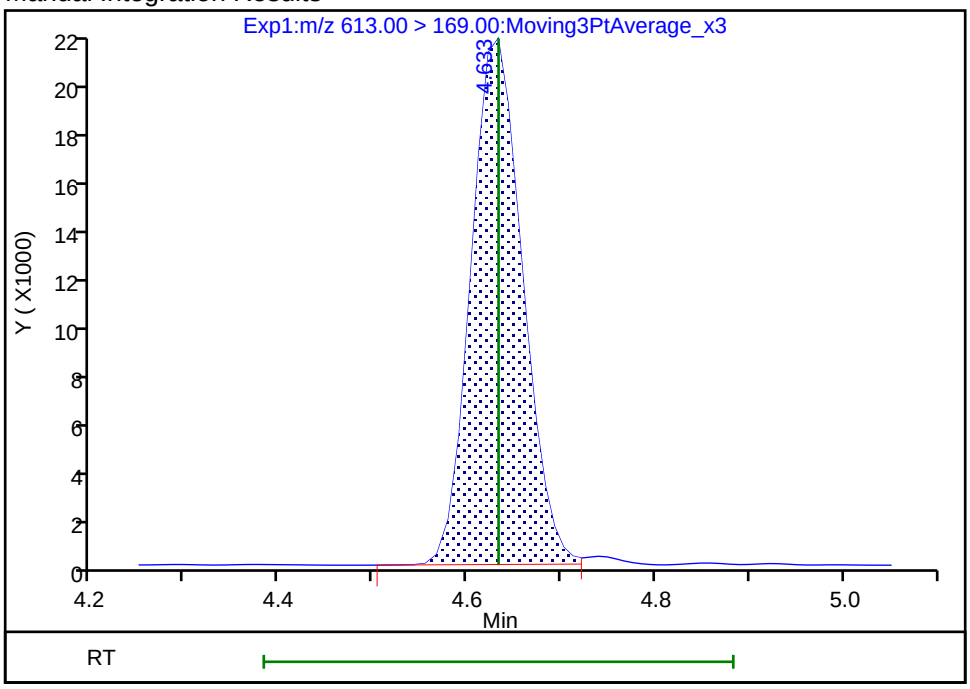
Processing Integration Results

RT: 4.63
Area: 81909
Amount: 0.527306
Amount Units: ng/ml



Manual Integration Results

RT: 4.63
Area: 80760
Amount: 0.526443
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:43:59
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

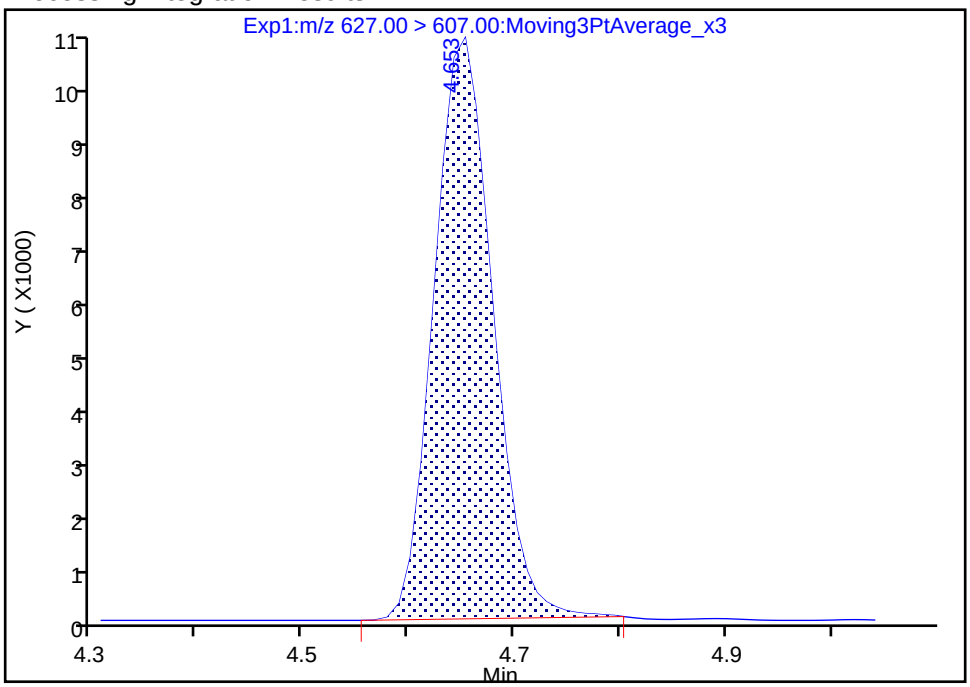
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 1

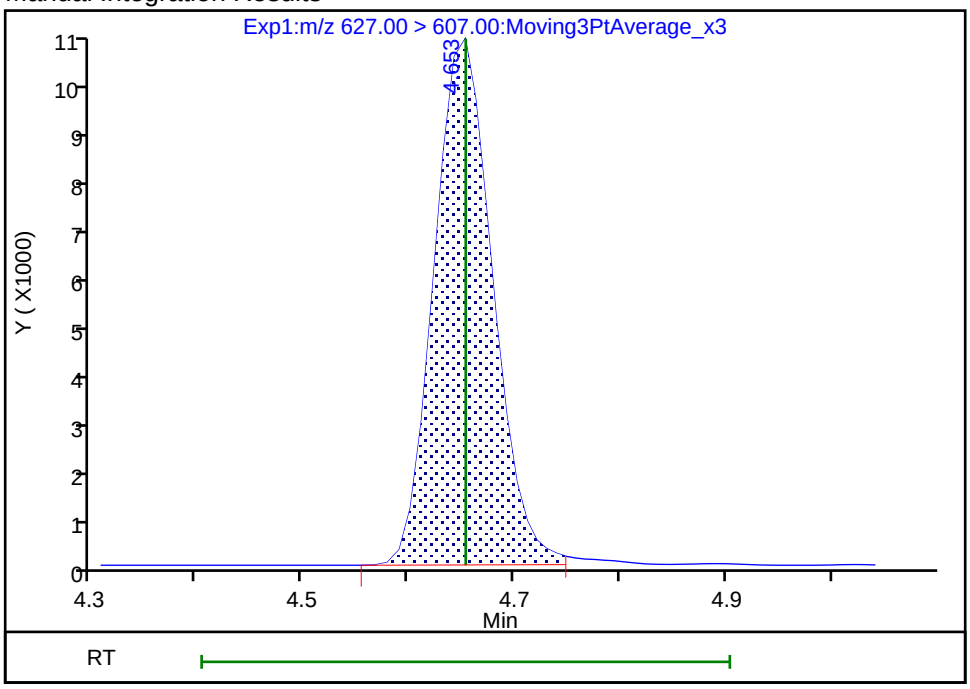
Processing Integration Results

RT: 4.65
Area: 39909
Amount: 0.440401
Amount Units: ng/ml



Manual Integration Results

RT: 4.65
Area: 39968
Amount: 0.500394
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:44:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

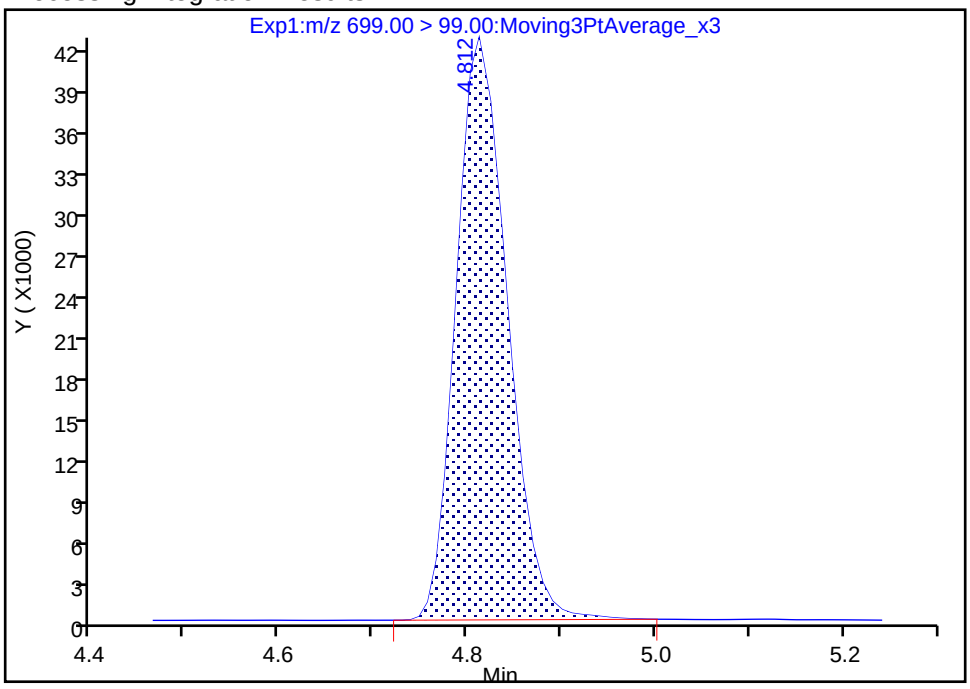
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

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

Signal: 2

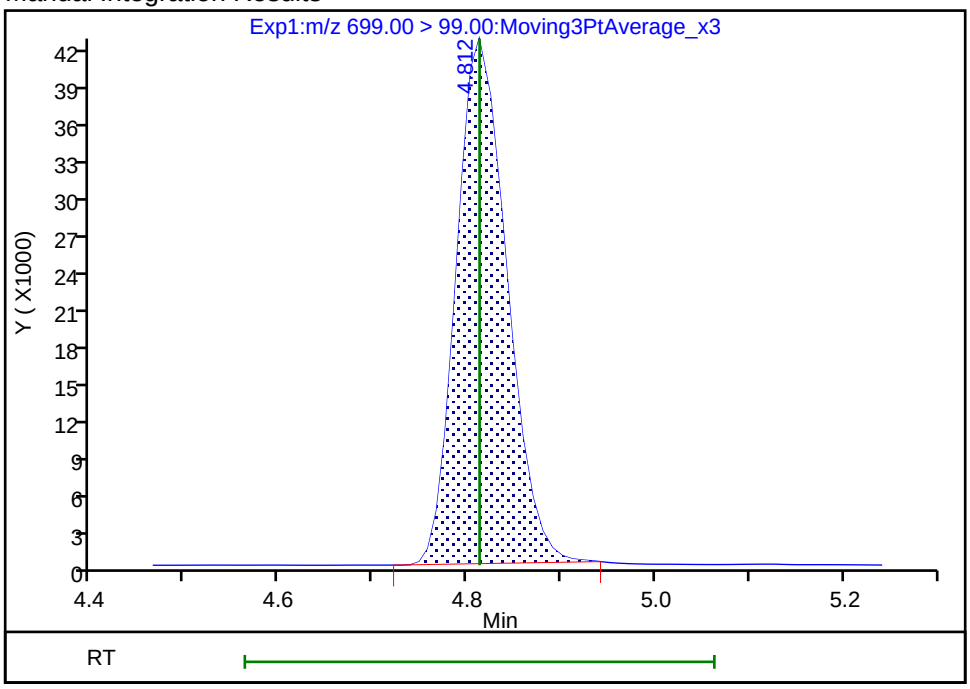
Processing Integration Results

RT: 4.81
Area: 160402
Amount: 0.511186
Amount Units: ng/ml



Manual Integration Results

RT: 4.81
Area: 158626
Amount: 0.538148
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:44:16
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

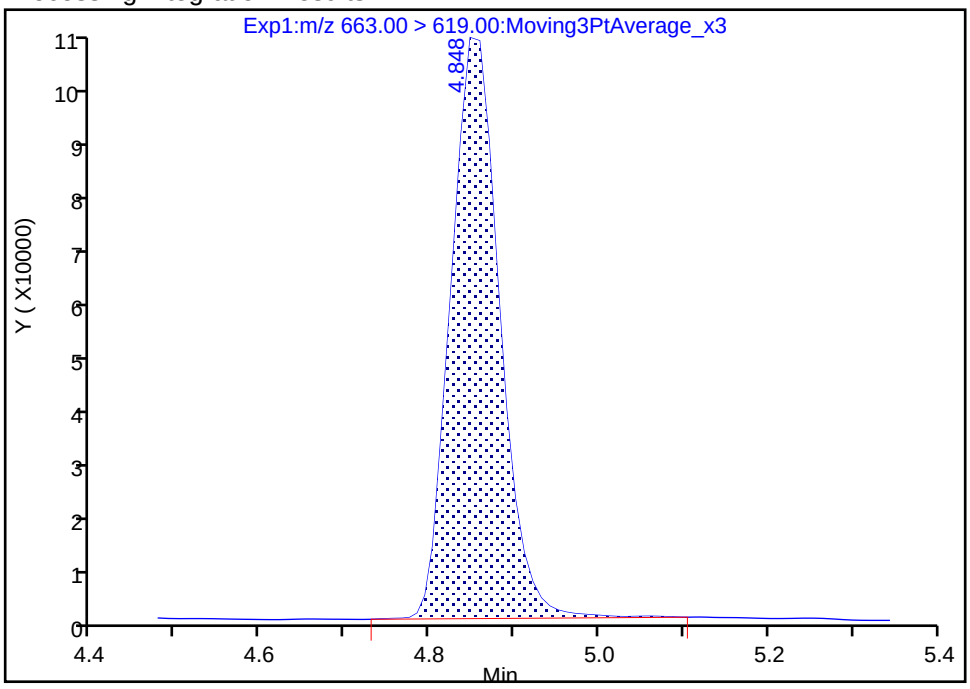
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

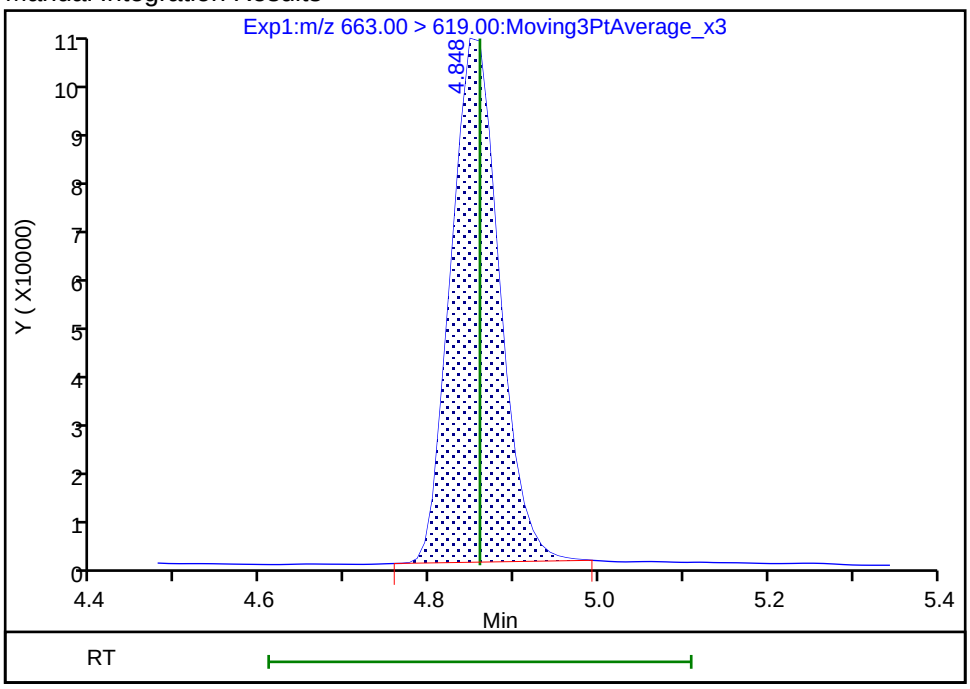
Processing Integration Results

RT: 4.85
Area: 439106
Amount: 0.530437
Amount Units: ng/ml



Manual Integration Results

RT: 4.85
Area: 432811
Amount: 0.527371
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:44:25
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

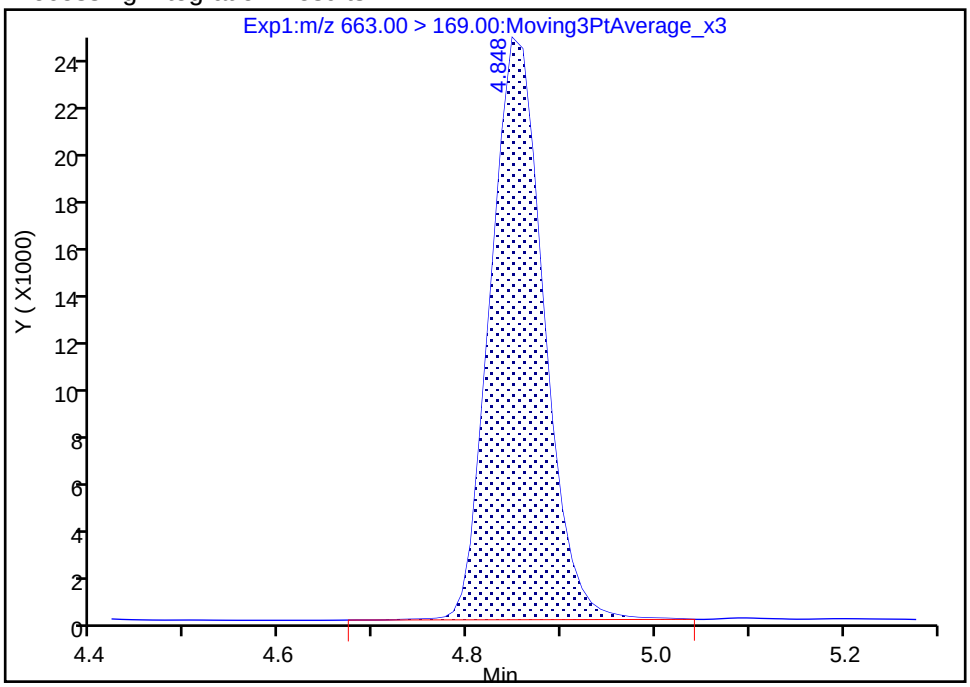
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d				
Injection Date:	03-Aug-2022 13:16:40	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	4	Worklist Smp#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

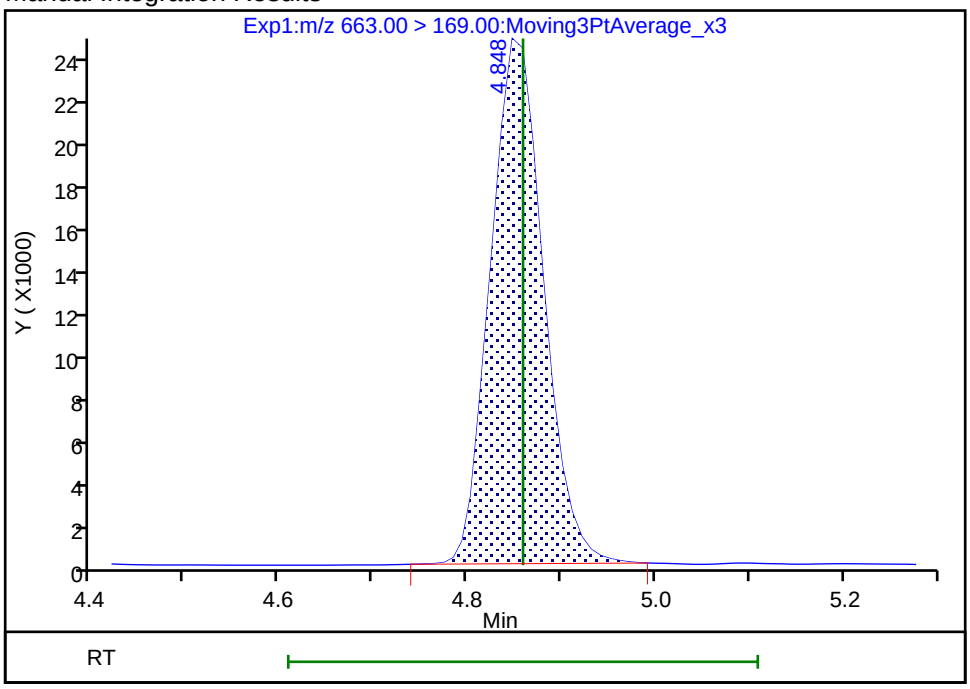
Processing Integration Results

RT: 4.85
Area: 96744
Amount: 0.530437
Amount Units: ng/ml



Manual Integration Results

RT: 4.85
Area: 95909
Amount: 0.527371
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:44:30

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

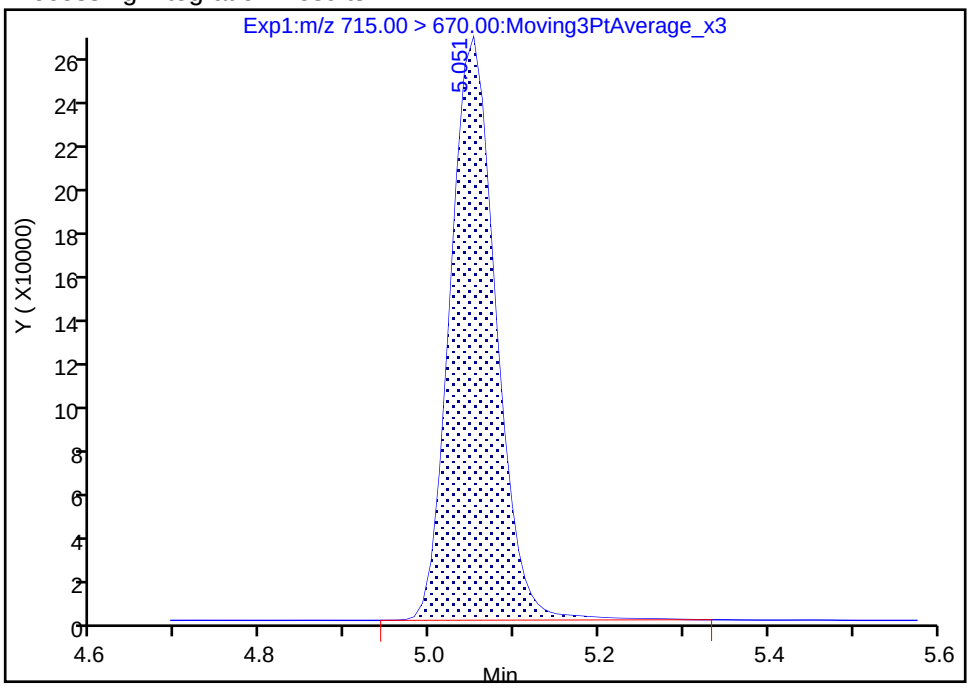
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

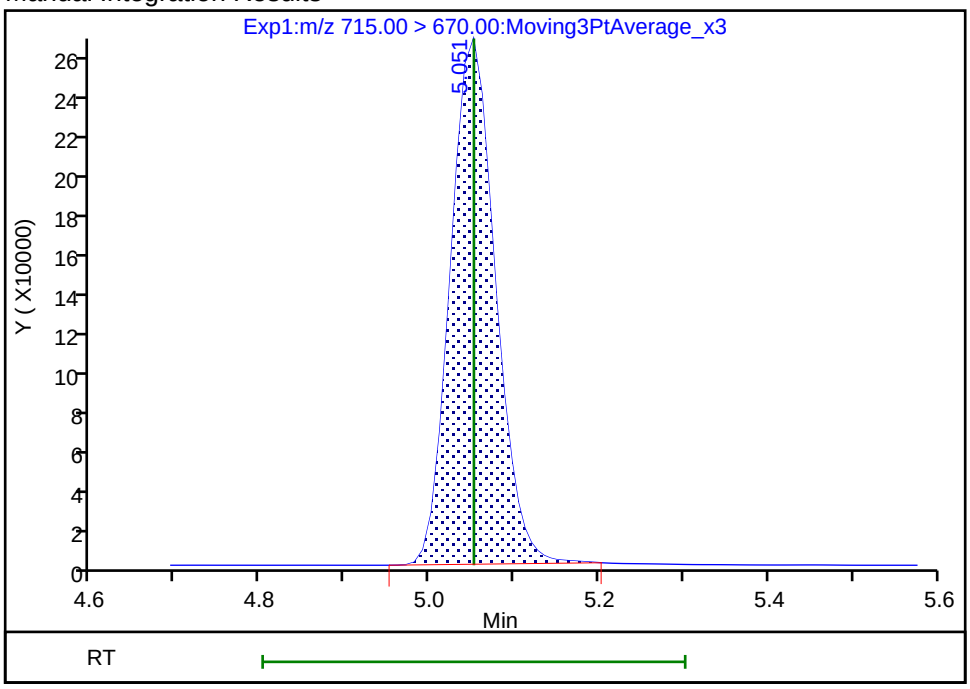
Processing Integration Results

RT: 5.05
Area: 980919
Amount: 1.172592
Amount Units: ng/ml



Manual Integration Results

RT: 5.05
Area: 969884
Amount: 1.252713
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:44:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

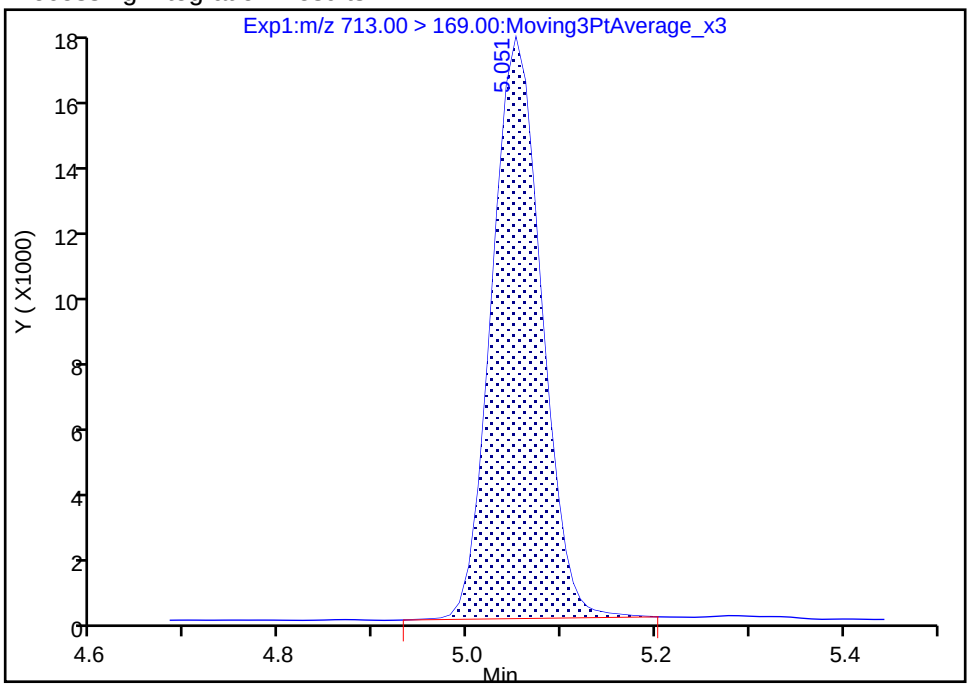
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

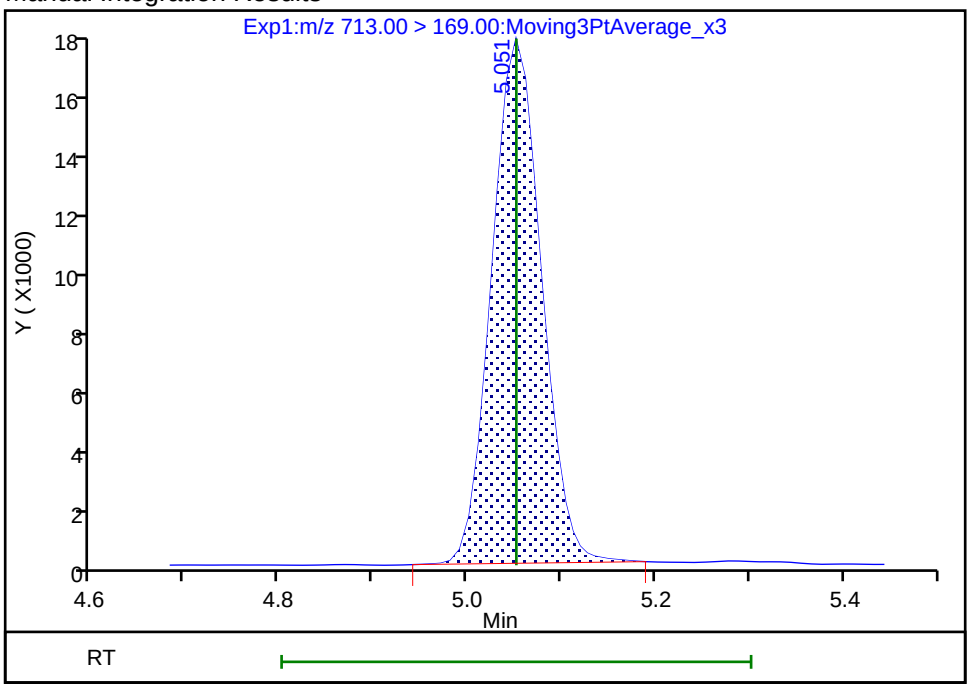
Processing Integration Results

RT: 5.05
Area: 63227
Amount: 0.511523
Amount Units: ng/ml



Manual Integration Results

RT: 5.05
Area: 63032
Amount: 0.507059
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:44:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

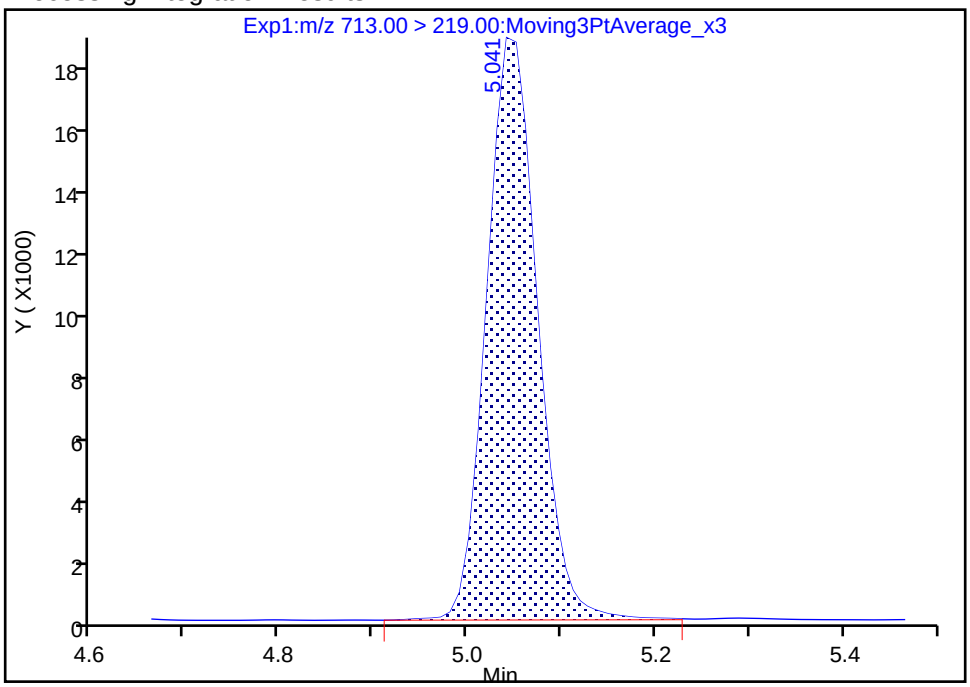
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d				
Injection Date:	03-Aug-2022 13:16:40	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	4	Worklist Smp#:	7
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit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

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

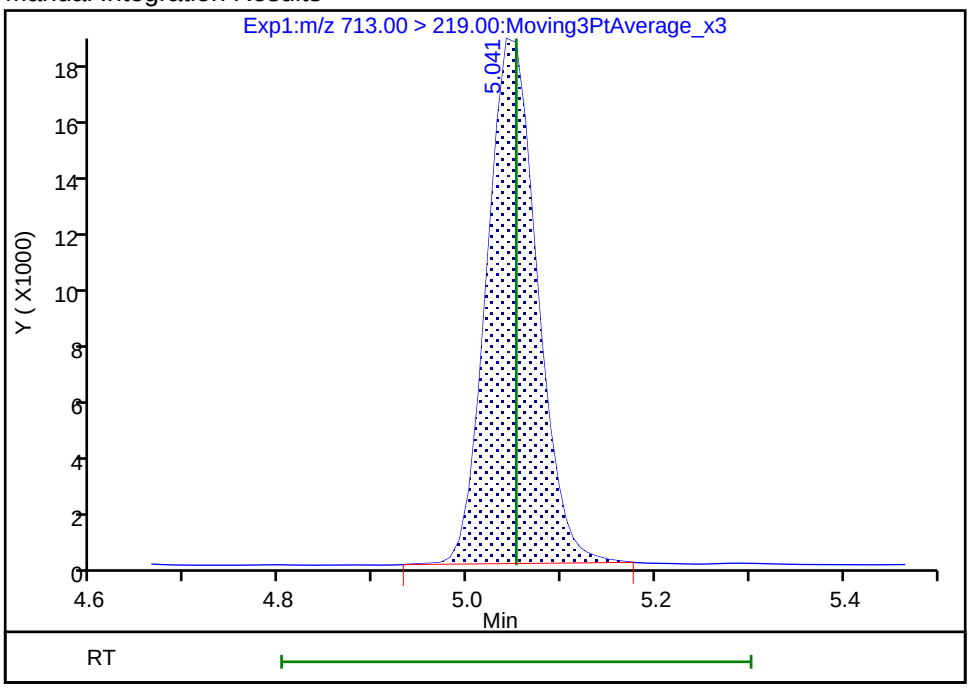
Processing Integration Results

RT: 5.04
Area: 70530
Amount: 0.511523
Amount Units: ng/ml



Manual Integration Results

RT: 5.04
Area: 69631
Amount: 0.507059
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:44:38
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

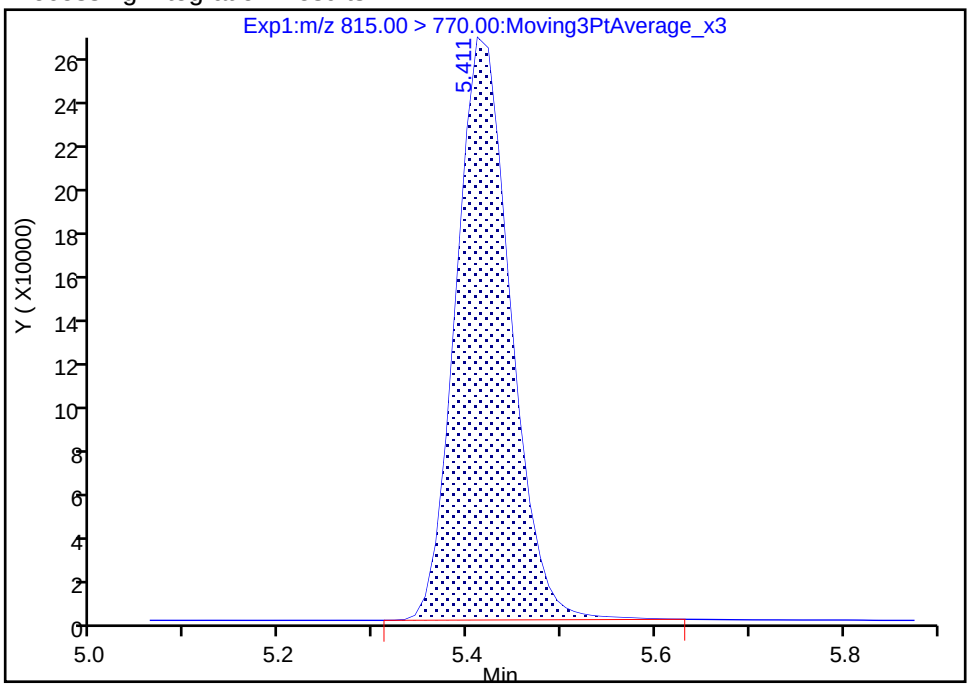
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

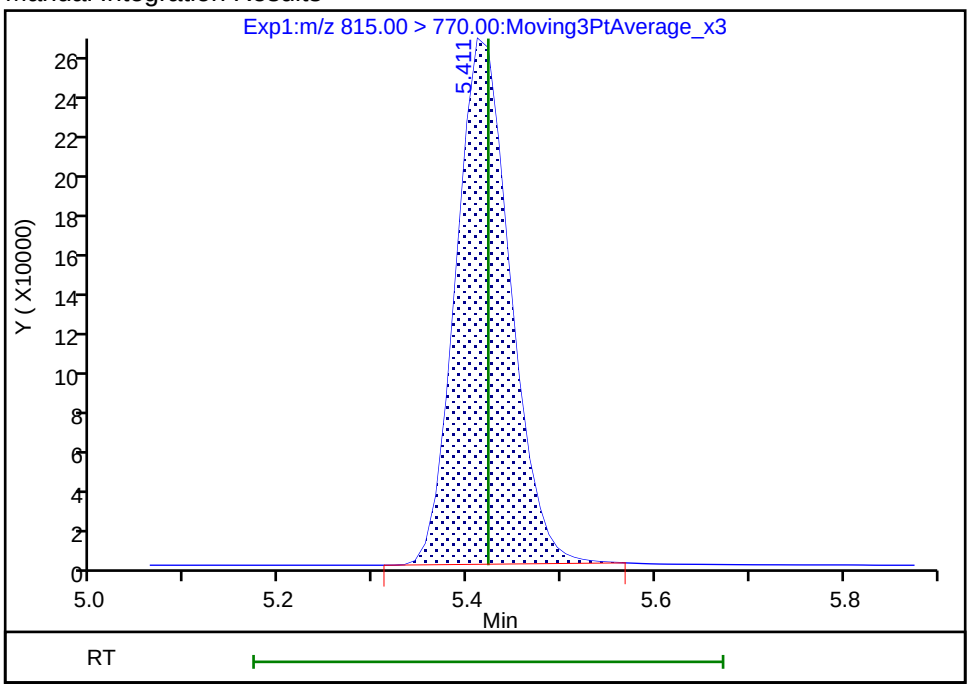
Processing Integration Results

RT: 5.41
Area: 1050862
Amount: 1.165401
Amount Units: ng/ml



Manual Integration Results

RT: 5.41
Area: 1043688
Amount: 1.183398
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:44:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

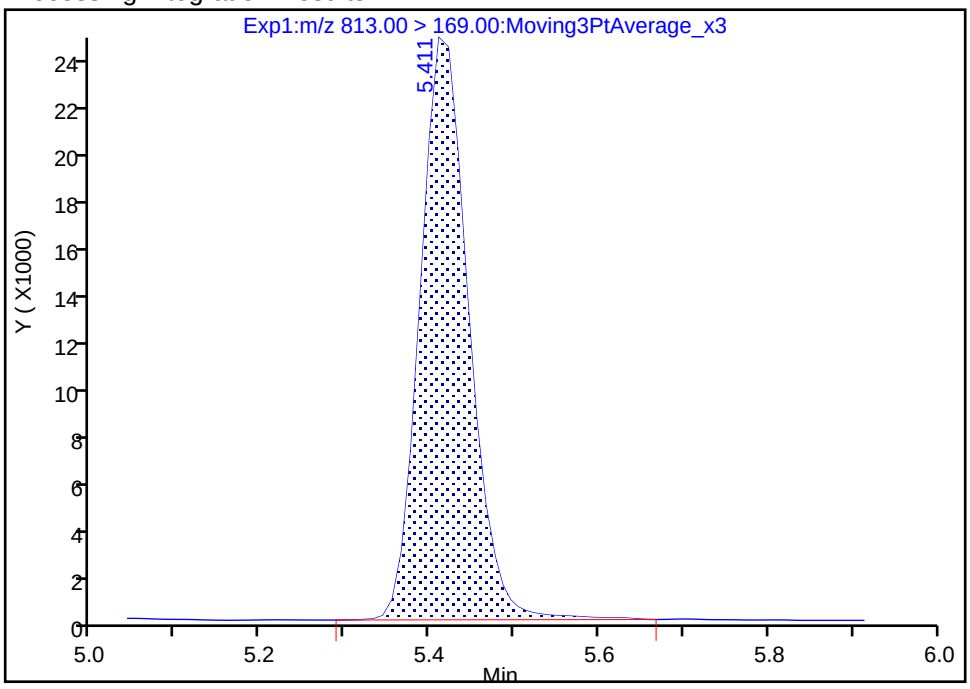
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

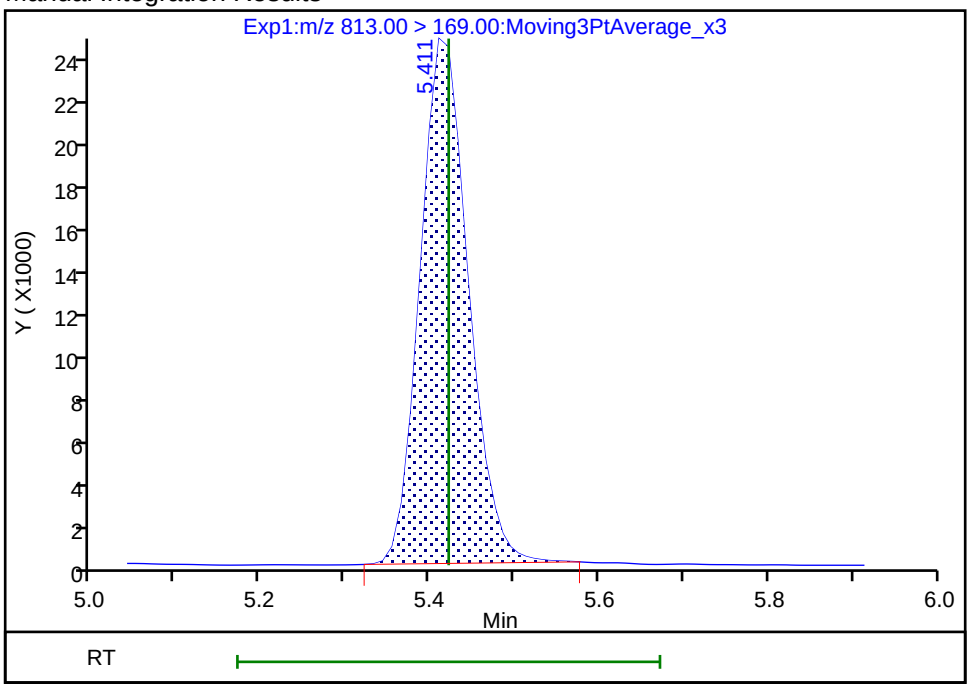
Processing Integration Results

RT: 5.41
Area: 97106
Amount: 0.564180
Amount Units: ng/ml



Manual Integration Results

RT: 5.41
Area: 95637
Amount: 0.554475
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:44:53
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

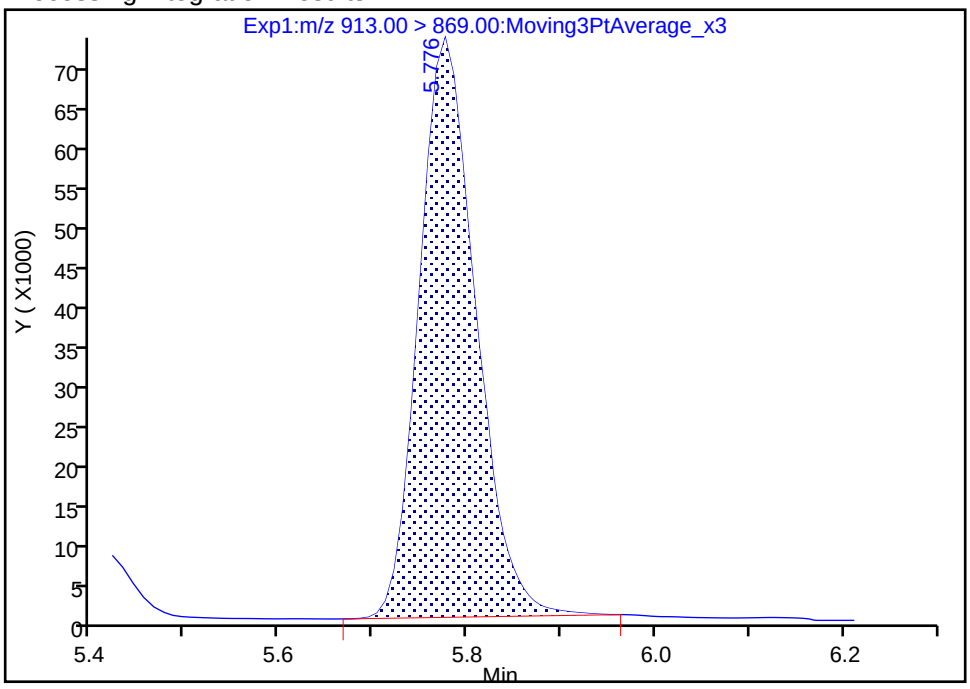
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

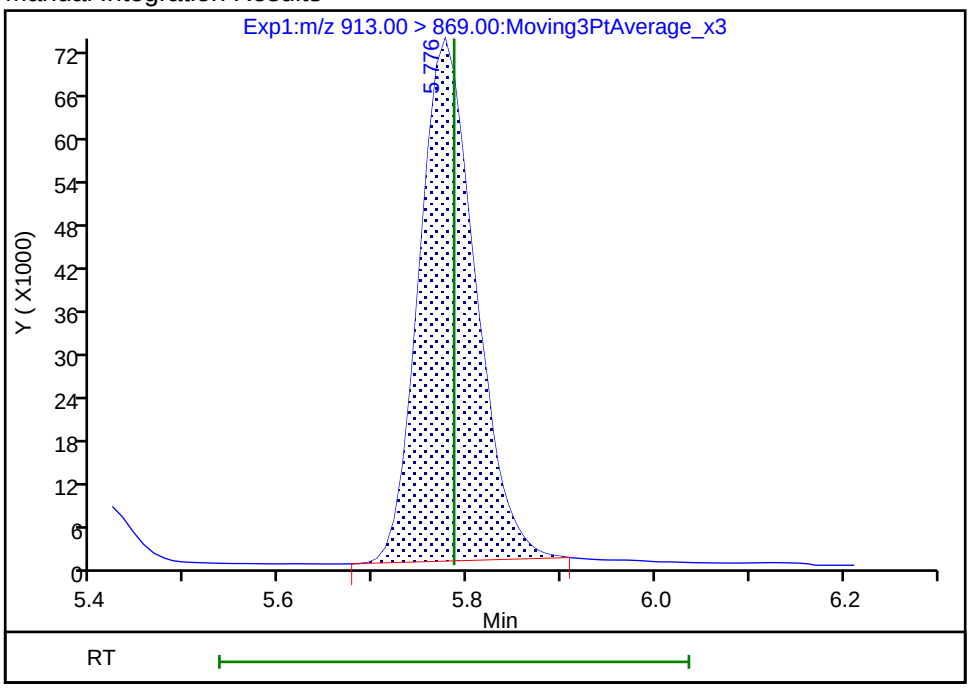
Processing Integration Results

RT: 5.78
Area: 308100
Amount: 0.533653
Amount Units: ng/ml



Manual Integration Results

RT: 5.78
Area: 304377
Amount: 0.548272
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:44:58
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

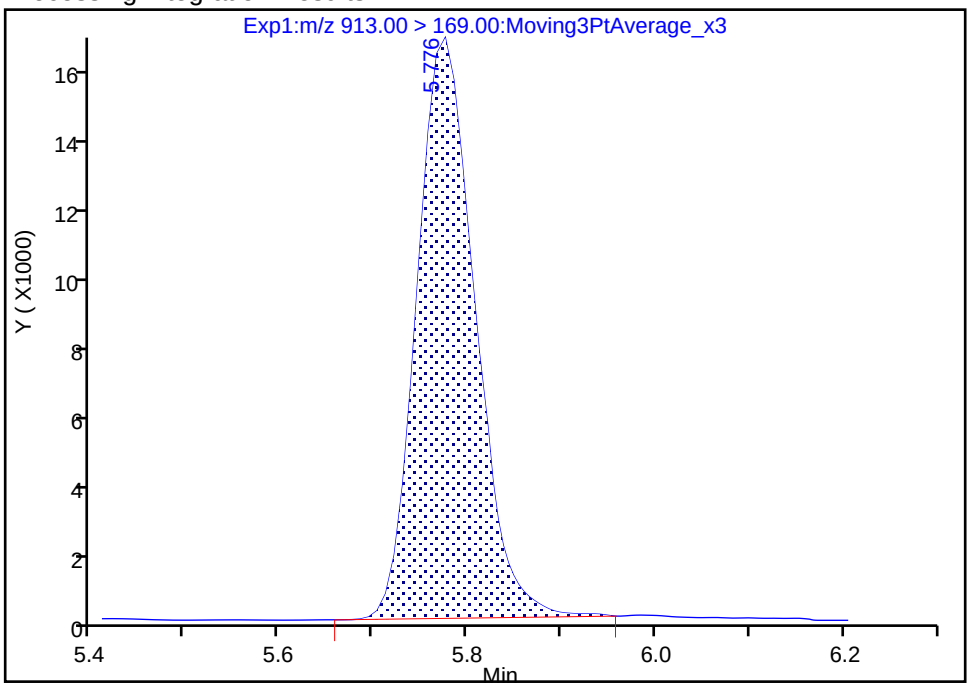
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL07.d
Injection Date: 03-Aug-2022 13:16:40 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 7
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL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

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

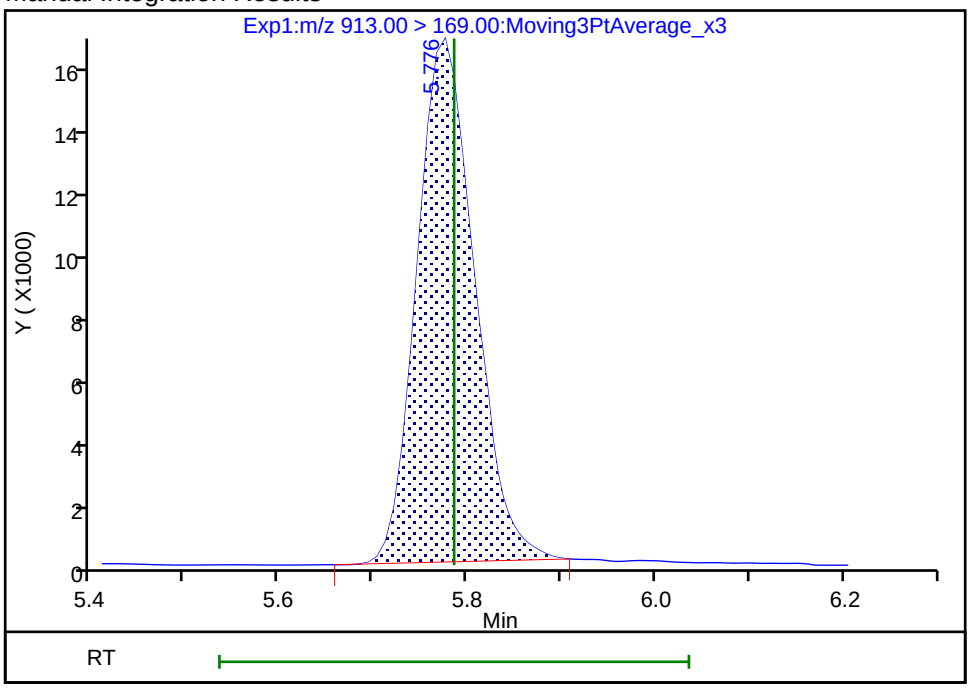
Processing Integration Results

RT: 5.78
Area: 69080
Amount: 0.533653
Amount Units: ng/ml



Manual Integration Results

RT: 5.78
Area: 68198
Amount: 0.548272
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:45:02
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 4
Inject. Date: 03-Aug-2022 13:24:49 ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: ICIS
Misc. Info.: 200-0051940-008 Plate: 1 Rack: 1
Operator ID: lc812tech Instrument ID: LC812
Sublist: chrom-PFC_LC812*sub3

Method: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 03-Aug-2022 14:25:22 Calib Date: 03-Aug-2022 13:41:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1672

First Level Reviewer: Z1IP Date: 03-Aug-2022 13:51:41
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										M
217.00 > 172.00	2.085	2.085	0.0	0.599	1990166	1.23		98.7	7213	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.085	0.0	1.000	1485378	0.9621		96.2	231	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.400	0.0	0.689	1448057	1.17		93.4	2957	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.400	2.400	0.0	1.000	1164099	0.9747		97.5	48.4	
D 47 13C3 PFBS										
301.90 > 80.00	2.413	2.413	0.0	0.693	1606766	1.12		96.3	253305	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.413	2.413	0.0	1.000	1308863	0.8579	Target=2.18	97.0	1206	
298.90 > 99.00	2.427	2.413	0.014	1.006	588202		2.23(1.09-3.28)	97.0	481	
D 60 M2-4:2 FTS										
329.00 > 81.00	2.713	2.713	0.0	0.779	139111	1.13		96.4	154	
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.713	2.713	0.0	1.000	264719	0.9347		100	2421	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.750	2.750	0.0	1.000	1254024	0.9718	Target=12.37	97.2	288	
313.00 > 119.00	2.750	2.750	0.0	1.000	102444		12.24(6.19-18.56)	97.2	187	M
D 7 13C2 PFHxA										M
315.00 > 270.00	2.750	2.750	0.0	0.790	1545822	1.25		99.9	2534	M
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.762	2.762	0.0	0.885	1187688	0.9027	Target=3.00	96.2	1239	M
349.00 > 99.00	2.762	2.762	0.0	0.885	402094		2.95(1.50-4.50)	96.2	747	
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.859	2.859	0.0	0.821	284467	1.22		97.6	1430	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.859	2.859	0.0	1.000	234481	0.9589		95.9	2385	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.121	3.121	0.0	0.896	1584230	1.23		98.7	2426	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.121	3.121	0.0	1.000	1289525	0.9873	Target=3.68	98.7	348	M
363.00 > 169.00	3.121	3.121	0.0	1.000	346094		3.73(1.84-5.52)	98.7	539	M
D 11 18O2 PFHxS										M
403.00 > 84.00	3.121	3.121	0.0	0.896	1199930	1.19		101	1779	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.121	3.121	0.0	1.000	943168	0.8427	Target=3.52	92.6	1166	M
399.00 > 99.00	3.121	3.121	0.0	1.000	274604		3.43(1.76-5.27)	92.6	325	M
77 DONA										M
377.00 > 251.00	3.165	3.165	0.0	0.832	2813092	0.9411	Target=2.78	99.9	1880	M
377.00 > 85.00	3.165	3.165	0.0	0.832	991616		2.84(1.39-4.17)	99.9	1036	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.474	3.474	0.0	0.997	203094	1.20		101	372	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.474	3.474	0.0	1.000	238899	0.9418		99.3	398	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.474	3.474	0.0	0.914	822025	0.9164	Target=4.99	96.3	1399	M
449.00 > 99.00	3.474	3.474	0.0	0.914	168205		4.89(2.50-7.49)	96.3	647	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.482	3.482	0.0	1.000	1407860	0.9724	Target=2.64	97.2	160	M
413.00 > 169.00	3.482	3.482	0.0	1.000	526635		2.67(1.32-3.96)	97.2	912	M
D 14 13C4 PFOA										M
417.00 > 372.00	3.482	3.482	0.0	1.000	1613787	1.23		98.1	1604	M
* 62 13C2 PFOA										M
415.00 > 370.00	3.482	3.482	0.0		1727269	1.25			1812	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.802	3.802	0.0	1.000	683046	0.9274	Target=4.77	99.9	364	M
499.00 > 99.00	3.802	3.802	0.0	1.000	139901		4.88(2.38-7.15)	99.9	419	M
D 18 13C4 PFOS										M
503.00 > 80.00	3.802	3.802	0.0	1.092	867294	1.15		96.3	1526	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.822	3.822	0.0	1.000	1409012	0.99	Target=7.92	99.3	443	
463.00 > 169.00	3.822	3.822	0.0	1.000	171207		8.23(3.96-11.88)	99.3	1255	
D 19 13C5 PFNA										M
468.00 > 423.00	3.822	3.822	0.0	1.098	1743026	1.28		102	2084	M
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.969	3.969	0.0	1.044	1181613	0.9216		98.9	1874	M
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.093	4.093	0.0	1.076	533126	0.9382	Target=2.52	97.7	2279	M
549.00 > 99.00	4.093	4.093	0.0	1.076	210996		2.53(1.26-3.78)	97.7	711	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.127	4.127	0.0	0.997	194268	1.00		105	1449	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.127	4.127	0.0	1.000	1414392	1.00	Target=9.74	100	687	M
513.00 > 169.00	4.127	4.127	0.0	1.000	146317		9.67(4.87-14.60)	100	641	M
D 23 13C2 PFDA										M
515.00 > 470.00	4.127	4.127	0.0	1.185	1674653	1.26		101	1506	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.138	4.138	0.0	1.188	240555	1.18		98.8	846	
D 21 13C8 FOSA										M
506.00 > 78.00	4.173	4.173	0.0	1.198	1386621	1.19		95.3	1498	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.173	4.173	0.0	1.000	1095271	0.9689		96.9	1349	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.273	4.273	0.0	1.000	153984	0.9732		97.3	429	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.273	4.273	0.0	1.227	222702	1.25		100.0	520	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.365	4.365	0.0	1.148	414469	0.9801	Target=2.62	102	1121	M
599.00 > 99.00	4.365	4.365	0.0	1.148	147870		2.80(1.31-3.93)	102	922	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.399	4.399	0.0	1.263	1185895	1.18		94.2	1522	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.399	4.399	0.0	1.000	1006935	1.00	Target=8.83	100	738	
563.00 > 169.00	4.399	4.399	0.0	1.000	110966		9.07(4.41-13.24)	100	1029	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.410	4.410	0.0	1.000	144142	0.9611		96.1	655	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.410	4.410	0.0	1.266	206475	1.22		97.9	886	
66 11-Chloroeicosafluoro-3-oxaundec										M
631.00 > 451.00	4.491	4.491	0.0	1.181	1584274	0.9494		101	1657	M
D 36 13C2 PFDoA										
615.00 > 570.00	4.633	4.633	0.0	1.330	1247905	1.20		95.6	2577	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.633	4.633	0.0	1.000	1007986	1.00	Target=6.63	99.6	155	
613.00 > 169.00	4.633	4.633	0.0	1.000	144662		6.97(3.32-9.95)	99.6	741	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.654	4.654	0.0	1.125	88428	0.9758		101	595	M
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.813	4.813	0.0	1.266	169391	0.9022	Target=0.54	93.2	1209	
699.00 > 99.00	4.813	4.813	0.0	1.266	323544		0.52(0.27-0.81)	93.2	1293	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.859	4.859	0.0	1.049	899529	1.02	Target=4.62	102	152	M
663.00 > 169.00	4.859	4.859	0.0	1.049	197181		4.56(2.31-6.94)	102	814	M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.052	5.052	0.0	1.451	1055713	1.24		98.9	3624	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.052	5.052	0.0	1.000	133055	0.9833	Target=0.94	98.3	766	
713.00 > 219.00	5.052	5.052	0.0	1.000	141742		0.94(0.47-1.41)	98.3	930	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.422	5.422	0.0	1.000	890409	1.02	Target=4.40	102	191	M
813.00 > 169.00	5.422	5.422	0.0	1.000	203401		4.38(2.20-6.59)	102	1180	
D 44 13C2 PFHxDA										M
815.00 > 770.00	5.422	5.422	0.0	1.557	1201939	1.24		98.9	2047	M
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.786	5.786	0.0	1.067	621162	0.9716	Target=4.42	97.2	142	M
913.00 > 169.00	5.777	5.786	-0.009	1.065	144019		4.31(2.21-6.63)	97.2	494	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

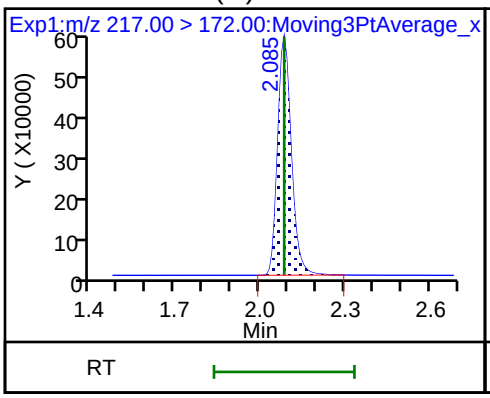
PFAS32NCIC4_00033 Amount Added: 100.00 Units: uL

Report Date: 03-Aug-2022 14:25:22 Chrom Revision: 2.3 29-Jul-2022 15:21:48

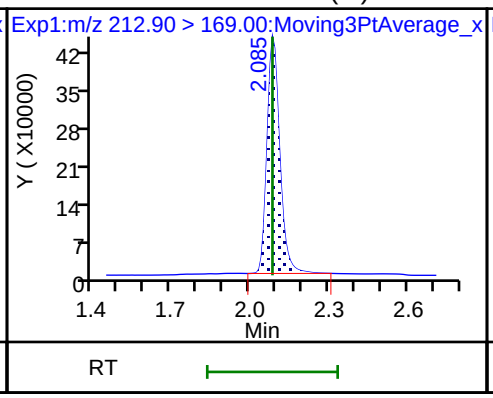
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL

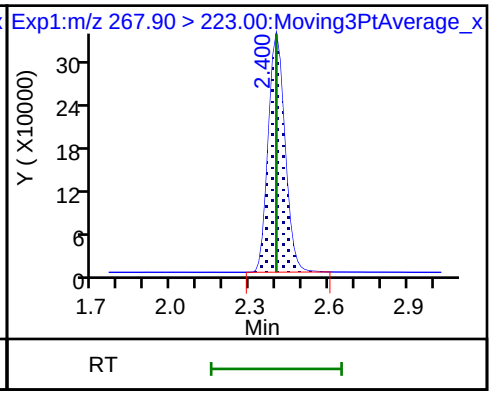
D 1 13C4 PFBA (M)



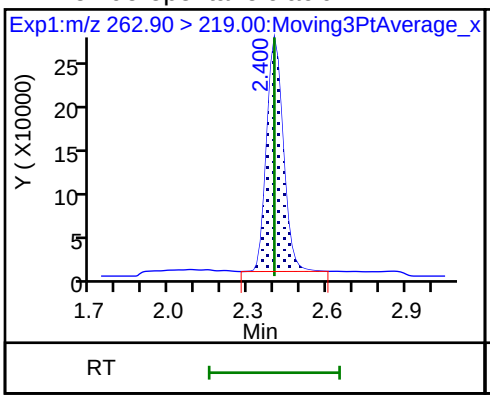
2 Perfluorobutanoic acid (M)



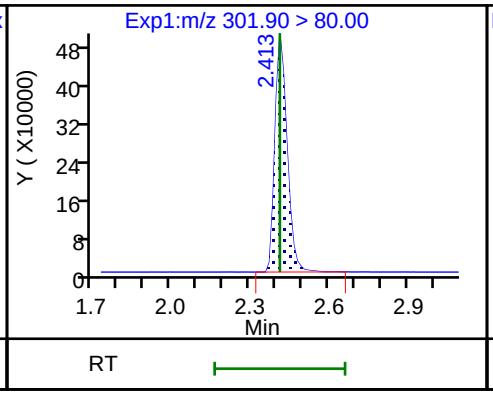
D 3 13C5 PFPeA



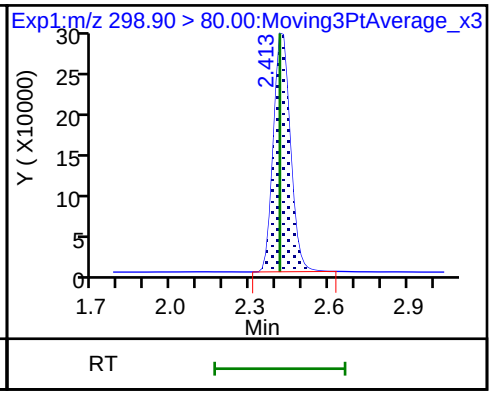
4 Perfluoropentanoic acid



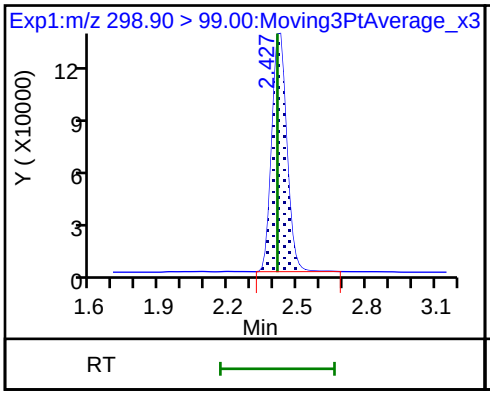
D 47 13C3 PFBS



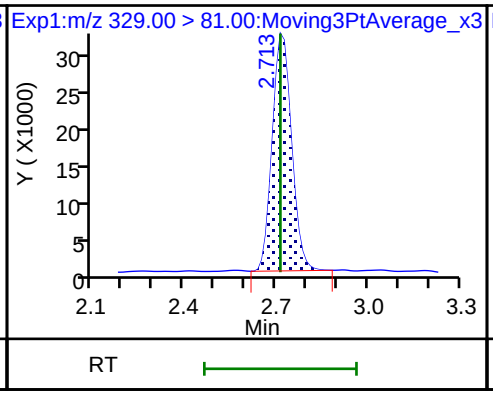
5 Perfluorobutanesulfonic acid



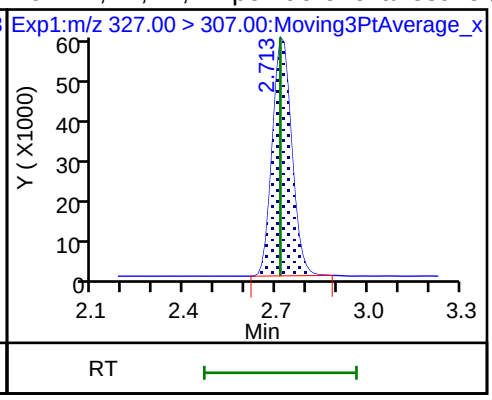
5 Perfluorobutanesulfonic acid



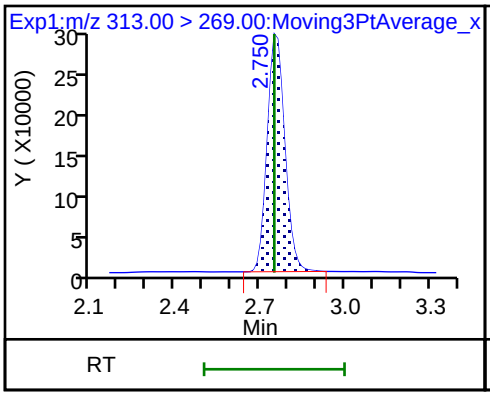
D 60 M2-4:2 FTS



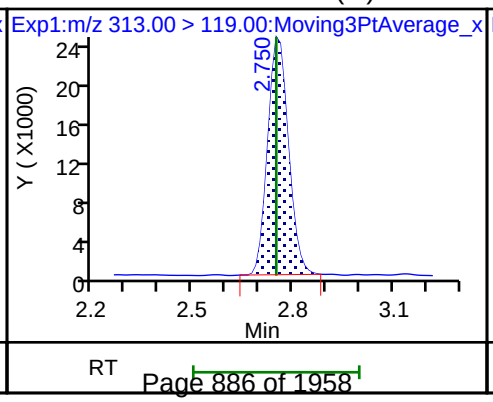
61 1H,1H,2H,2H-perfluorohexanesulfo (M)



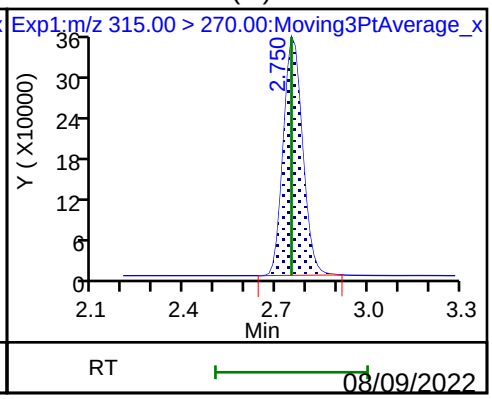
6 Perfluorohexanoic acid



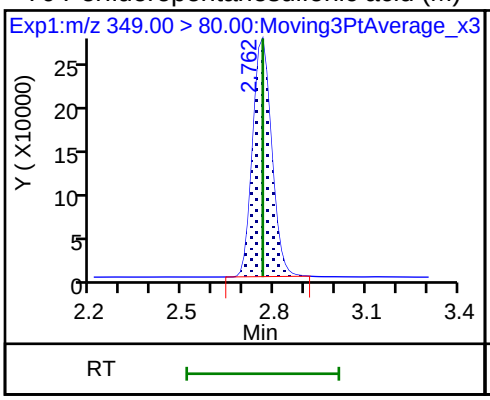
6 Perfluorohexanoic acid (M)



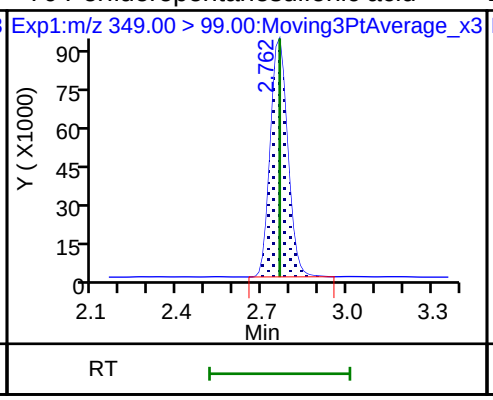
D 7 13C2 PFHxA (M)



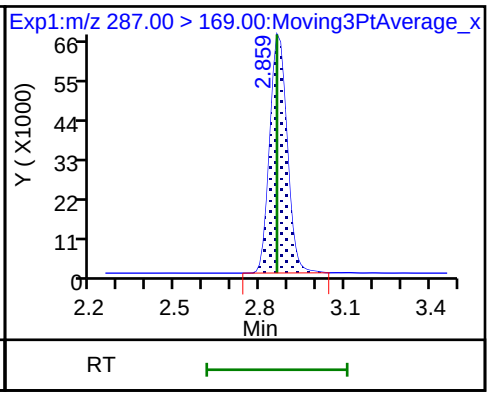
70 Perfluoropentanesulfonic acid (M)



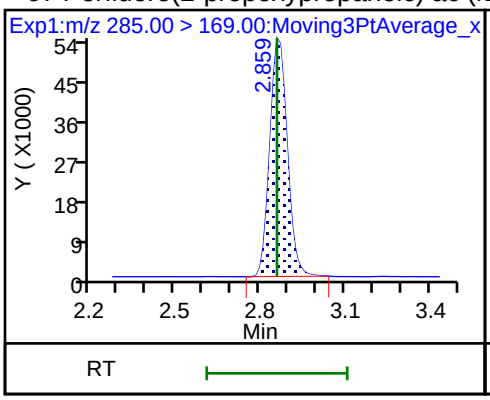
70 Perfluoropentanesulfonic acid



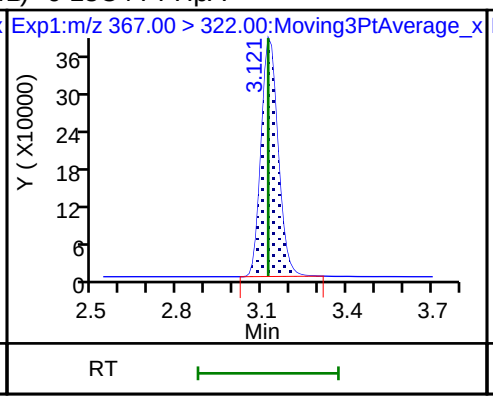
D 64 13C3 HFPO-DA



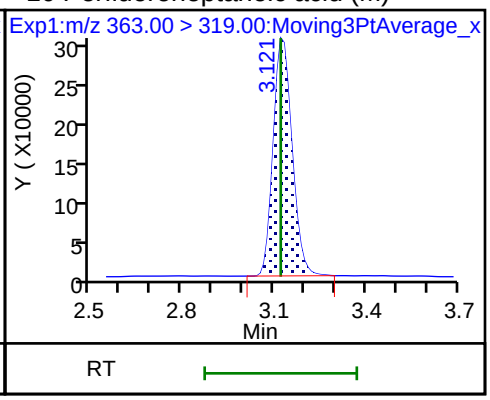
67 Perfluoro(2-propoxypropanoic) ac (M)



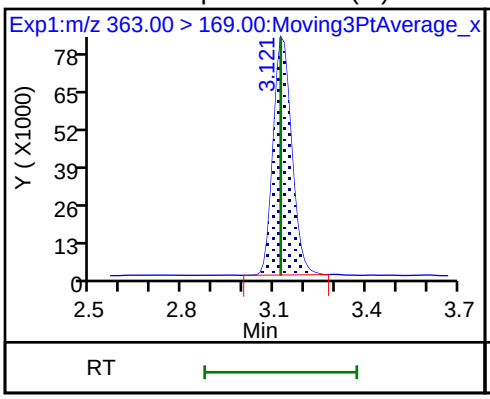
D 9 13C4 PFHpA



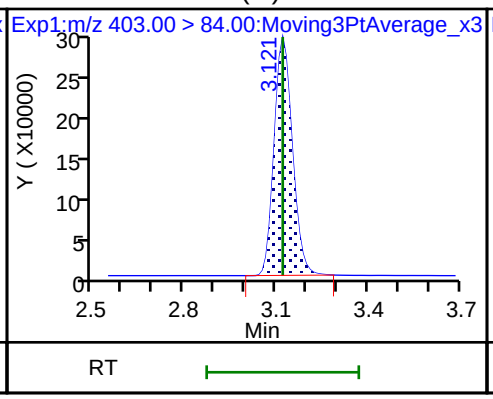
10 Perfluoroheptanoic acid (M)



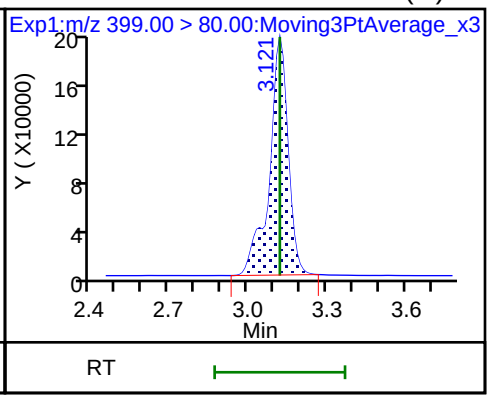
10 Perfluoroheptanoic acid (M)



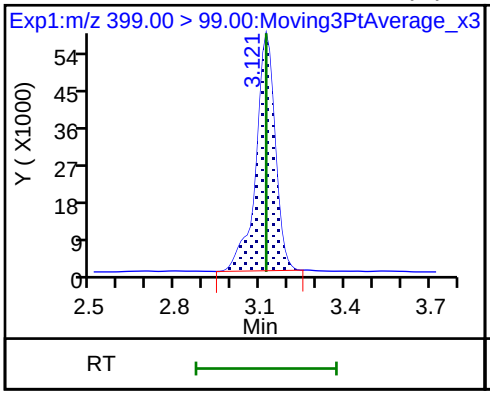
D 11 18O2 PFHxS (M)



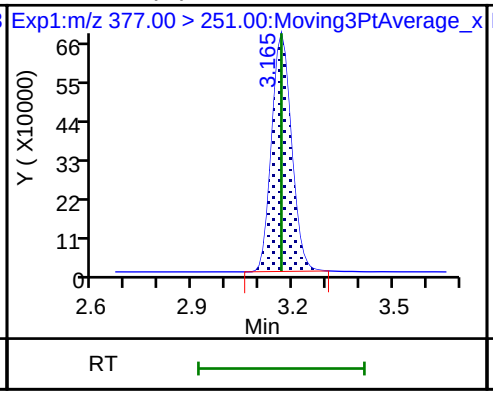
8 Perfluorohexanesulfonic acid (M)



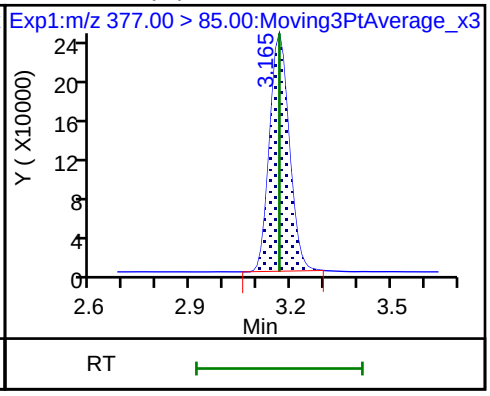
8 Perfluorohexanesulfonic acid (M)



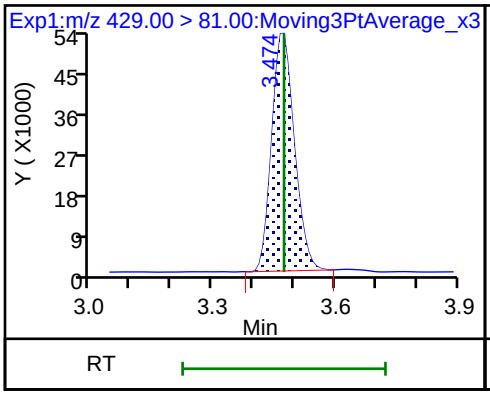
77 DONA (M)



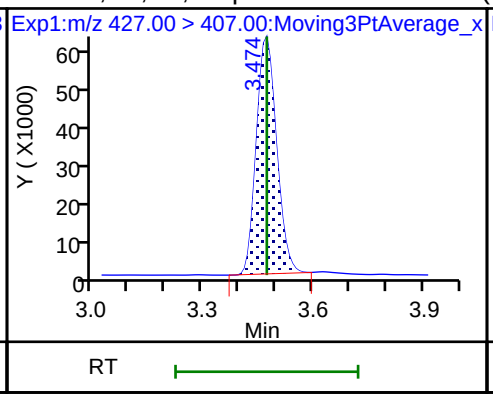
77 DONA (M)



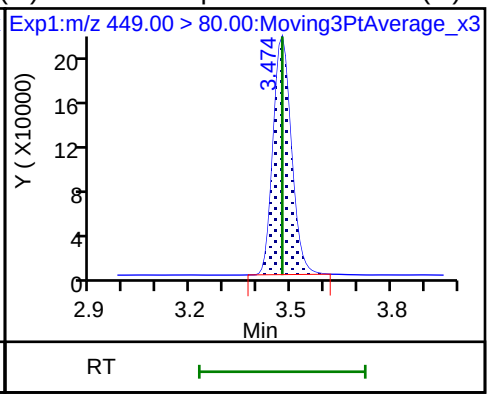
D 12 M2-6:2 FTS



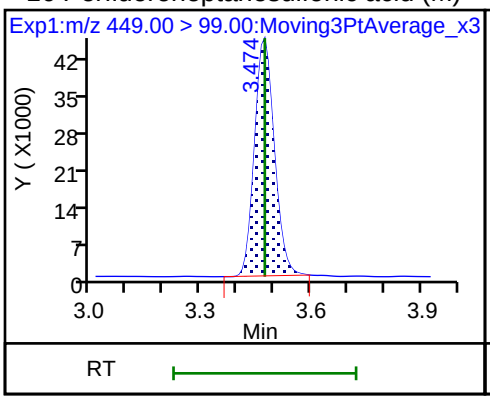
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



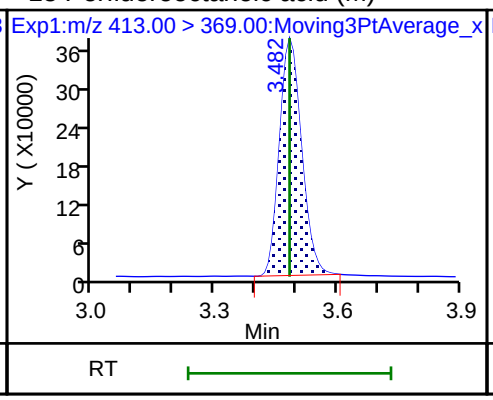
16 Perfluoroheptanesulfonic acid (M)



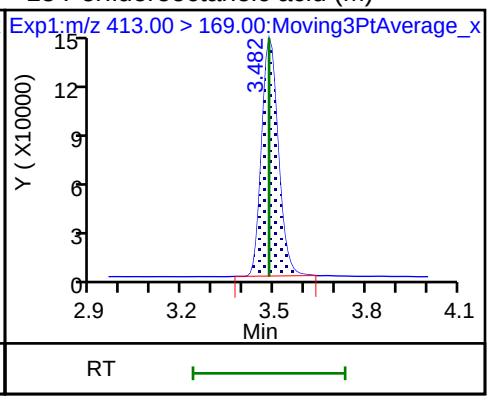
16 Perfluoroheptanesulfonic acid (M)



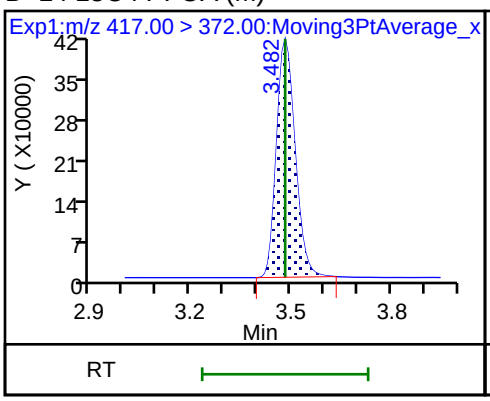
15 Perfluorooctanoic acid (M)



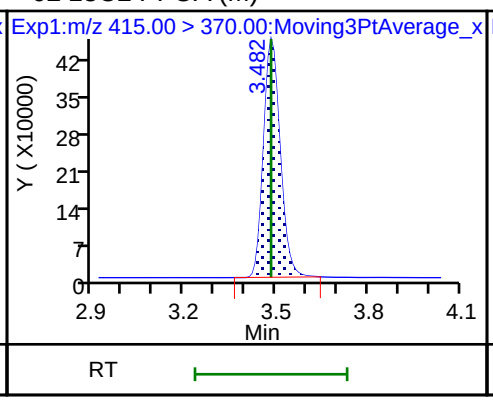
15 Perfluorooctanoic acid (M)



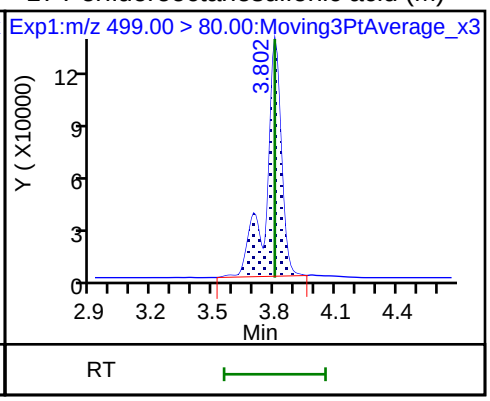
D 14 13C4 PFOA (M)



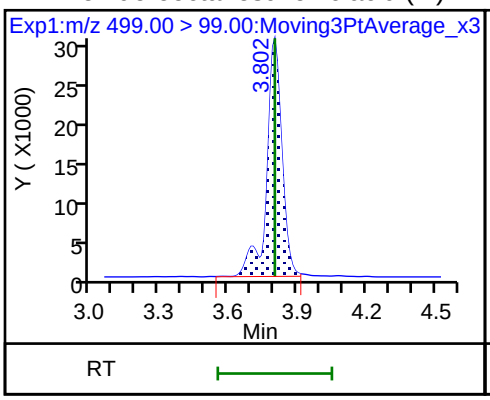
* 62 13C2 PFOA (M)



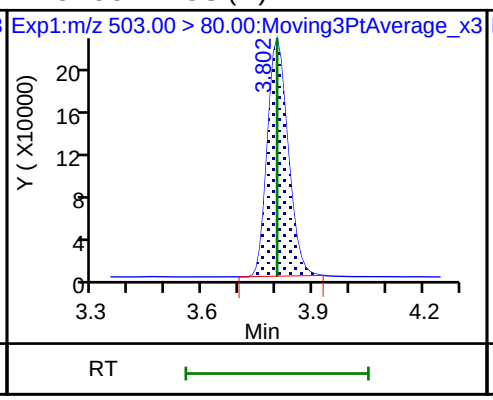
17 Perfluorooctanesulfonic acid (M)



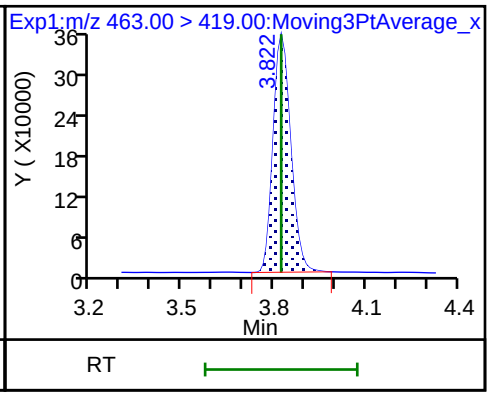
17 Perfluorooctanesulfonic acid (M)



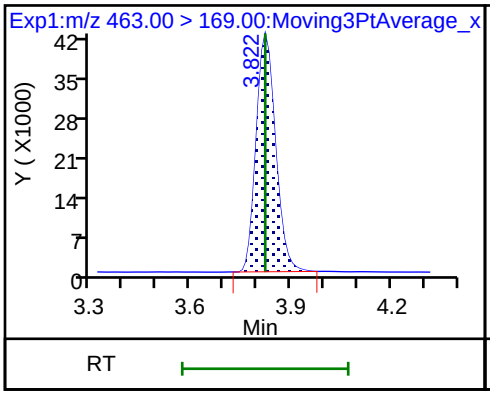
D 18 13C4 PFOS (M)



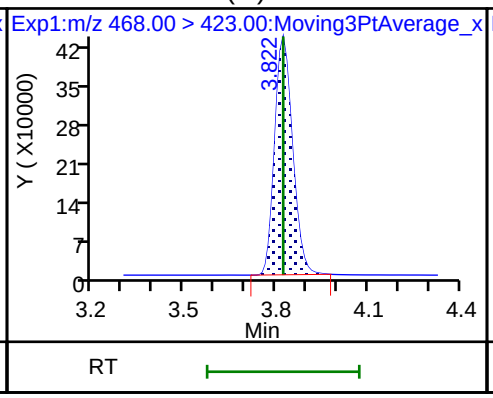
20 Perfluorononanoic acid



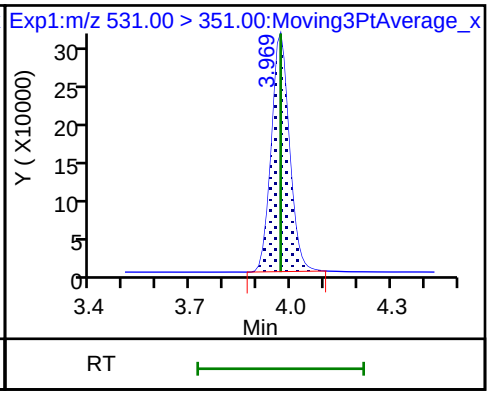
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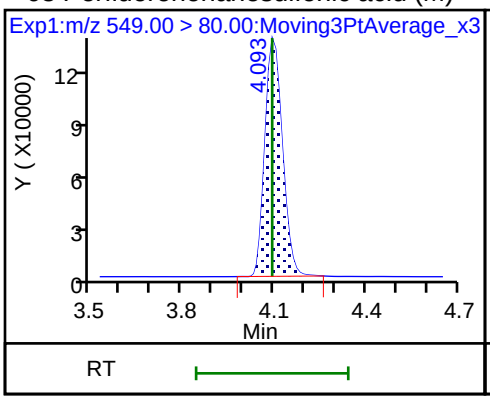
D 19 13C5 PFNA (M)



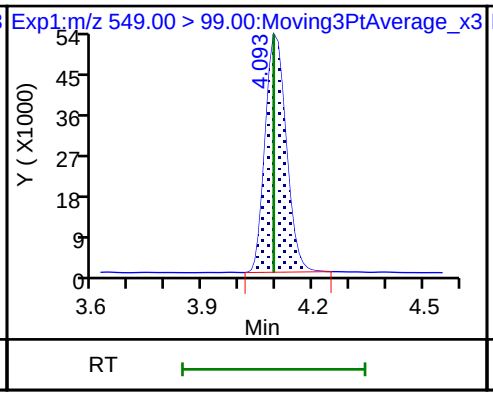
69 9-Chlorohexadecafluoro-3-oxanona (M)



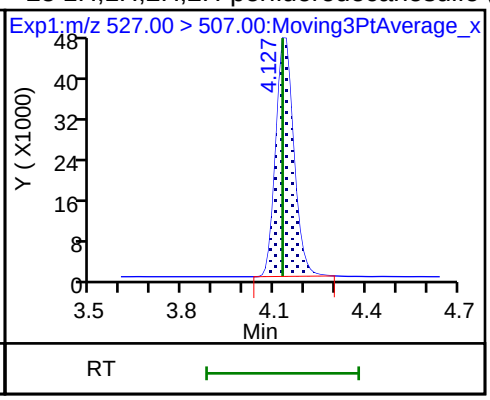
68 Perfluorononanesulfonic acid (M)



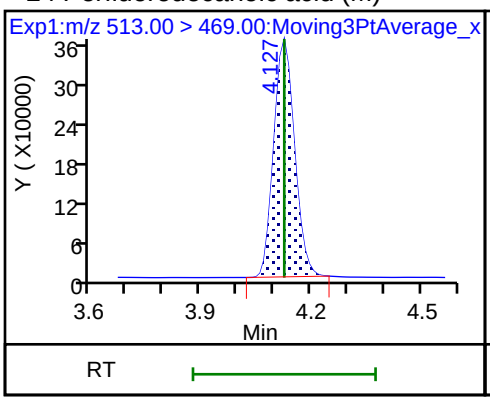
68 Perfluorononanesulfonic acid



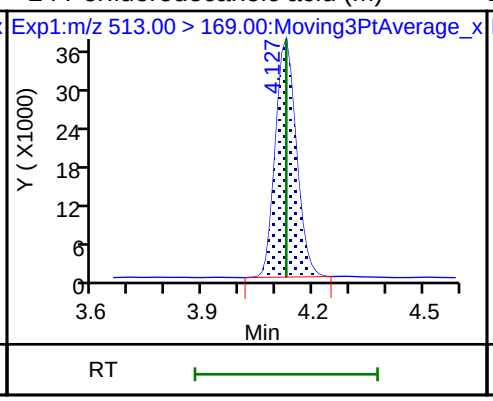
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



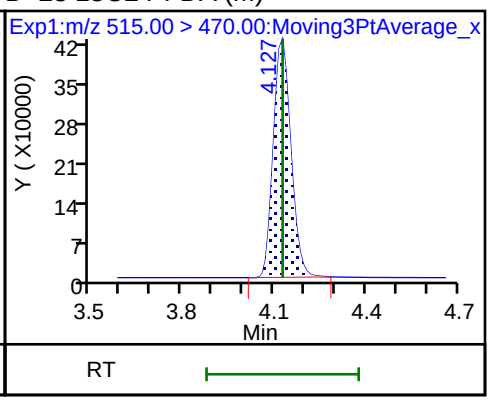
24 Perfluorodecanoic acid (M)



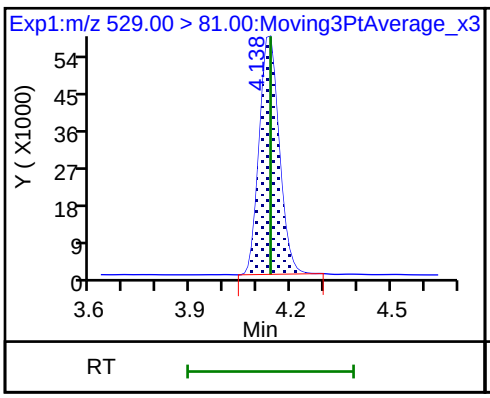
24 Perfluorodecanoic acid (M)



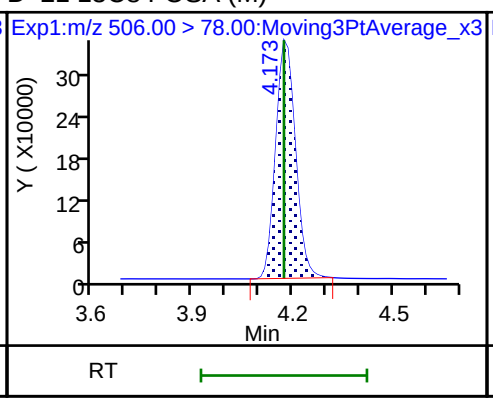
D 23 13C2 PFDA (M)



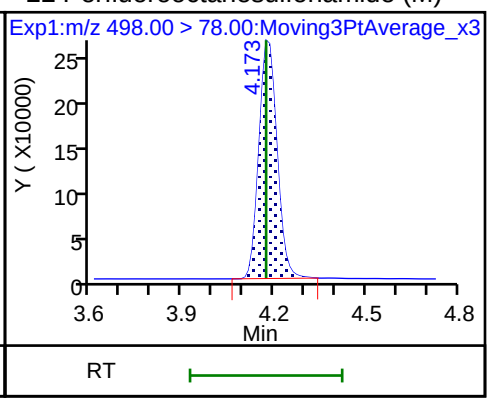
D 26 M2-8:2 FTS



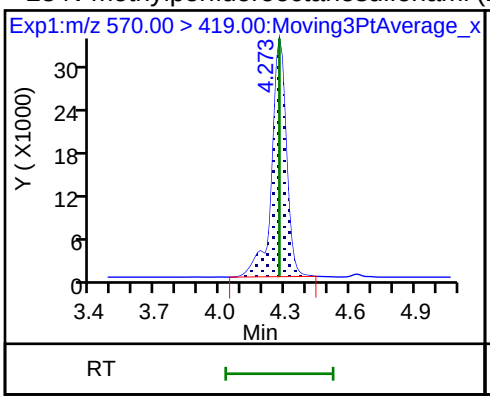
D 21 13C8 FOSA (M)



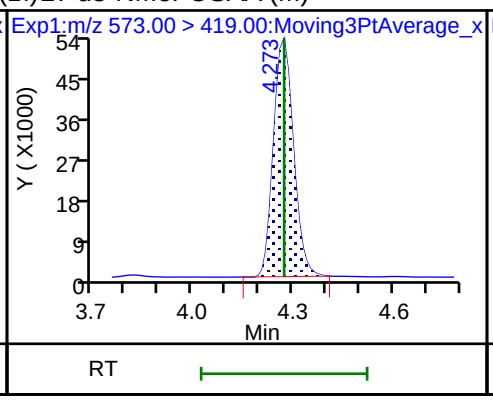
22 Perfluorooctanesulfonamide (M)



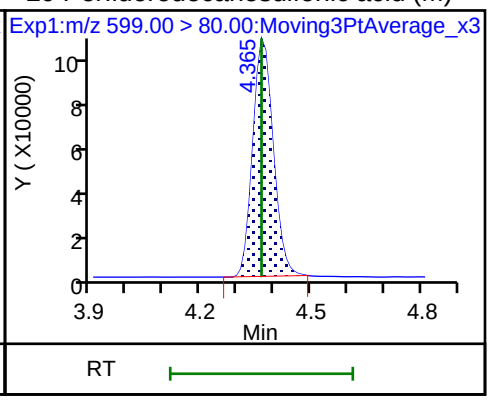
28 N-methylperfluorooctanesulfonami (M)



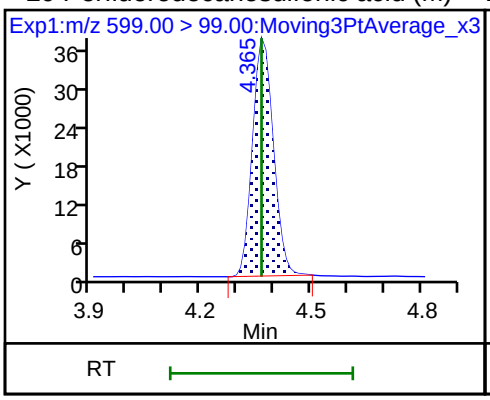
D 27 d3-NMeFOSAA (M)



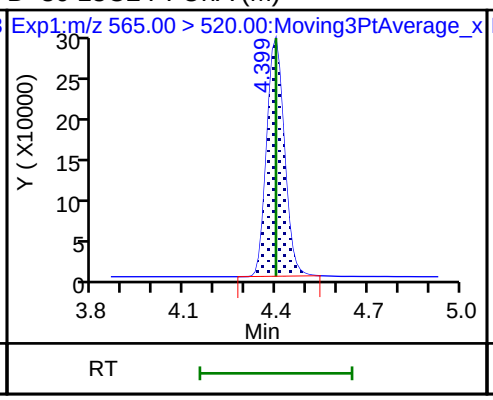
29 Perfluorodecanesulfonic acid (M)



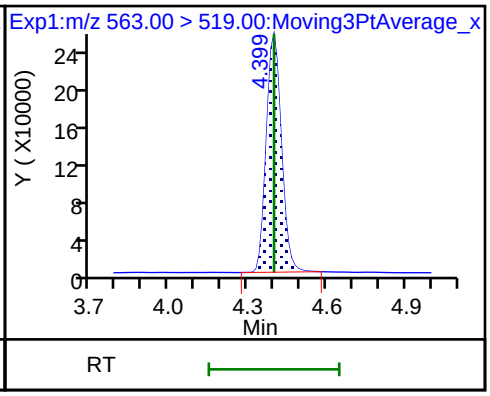
29 Perfluorodecanesulfonic acid (M)



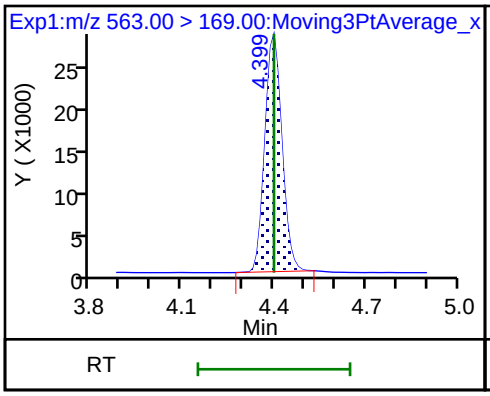
D 30 13C2 PFUnA (M)



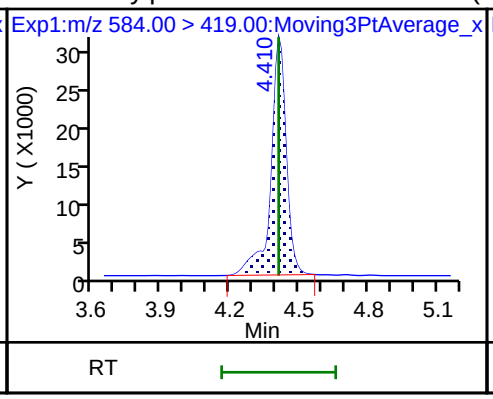
31 Perfluoroundecanoic acid



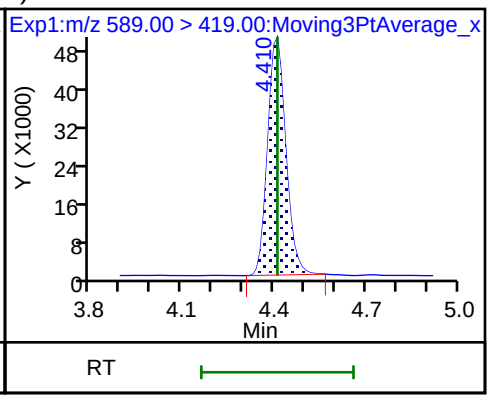
31 Perfluoroundecanoic acid



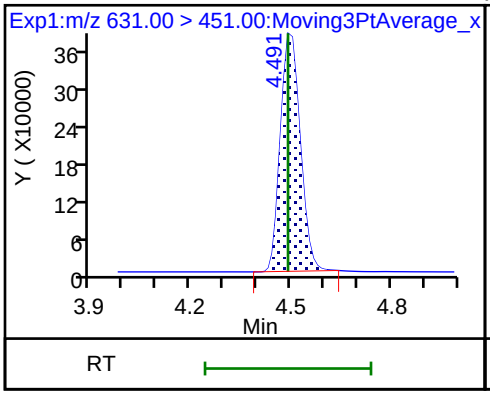
33 N-ethylperfluorooctanesulfonamid (M)



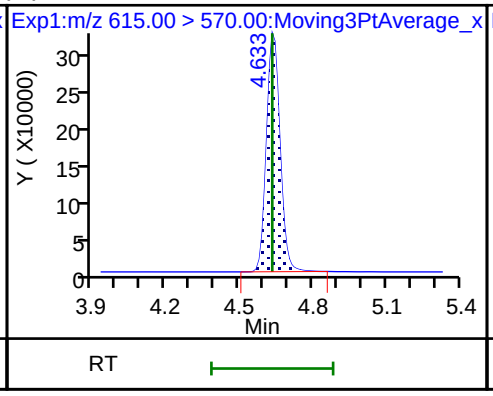
D 32 d5-NEtFOSAA



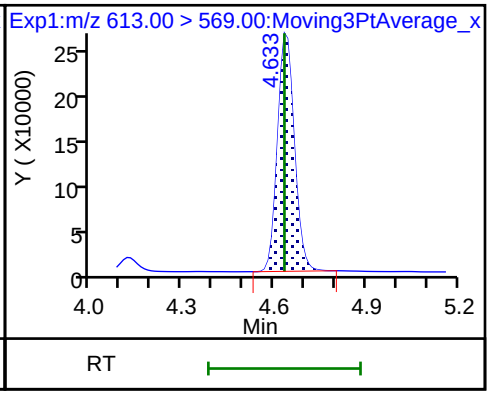
66 11-Chloroeicosafluoro-3-oxaundec (M)



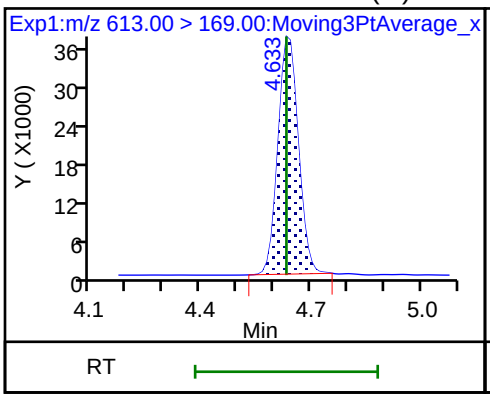
D 36 13C2 PFDoA



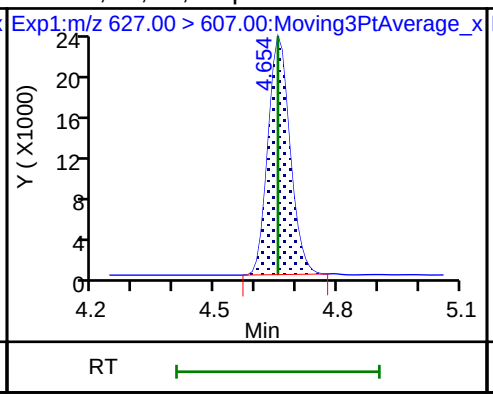
37 Perfluorododecanoic acid



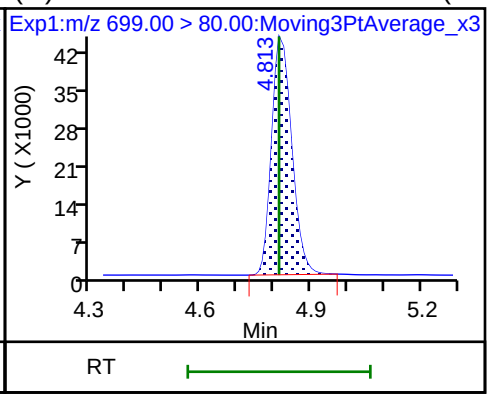
37 Perfluorododecanoic acid (M)



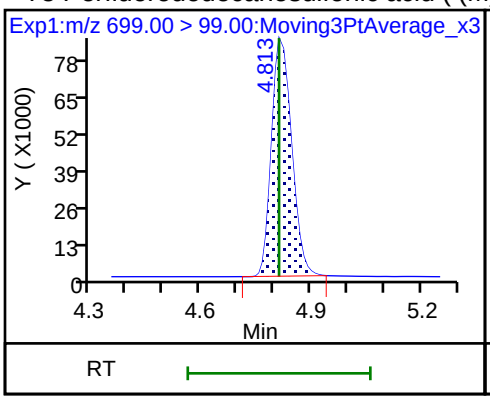
74 1H,1H,2H,2H-perfluorododecanesul (M)



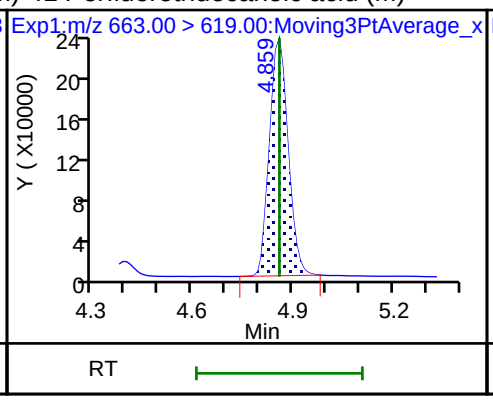
75 Perfluorododecanesulfonic acid (



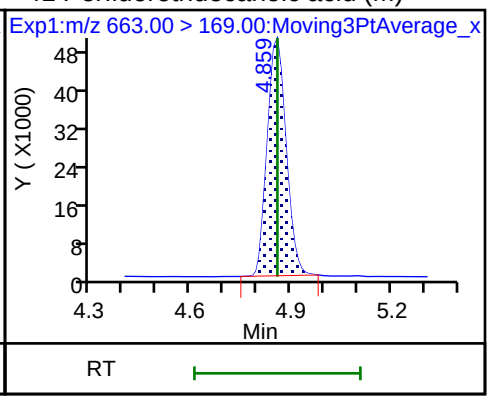
75 Perfluorododecanesulfonic acid ((M)



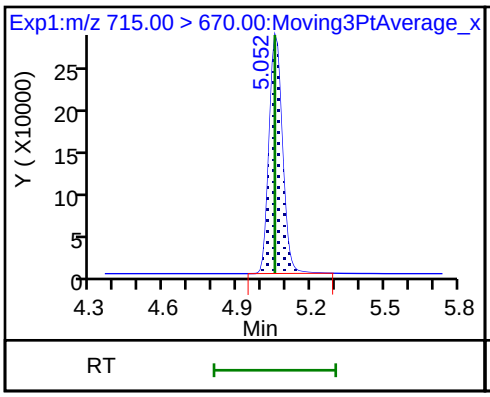
41 Perfluorotridecanoic acid (M)



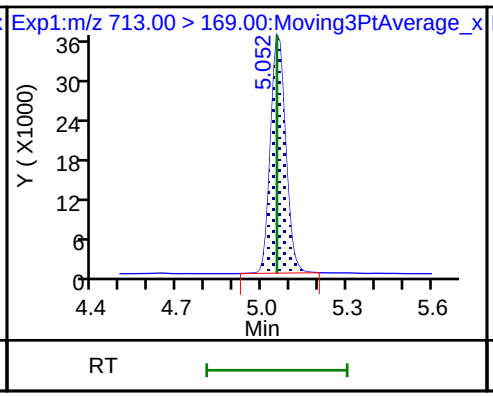
41 Perfluorotridecanoic acid (M)



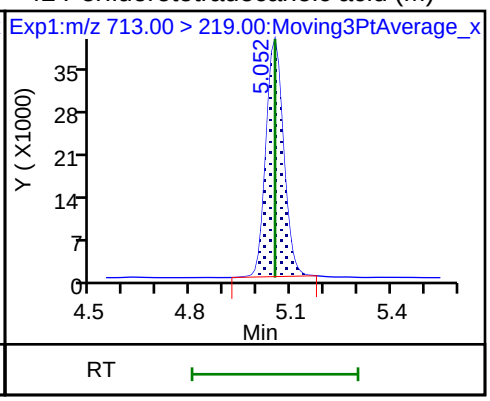
D 43 13C2 PFTeDA



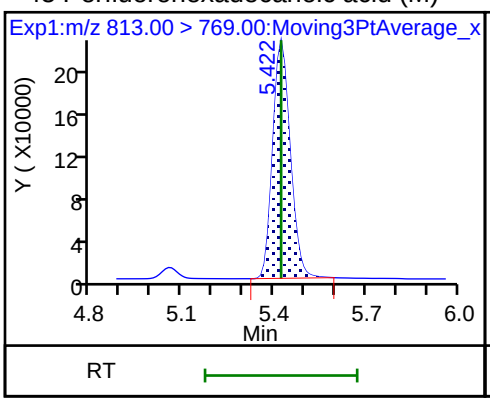
42 Perfluorotetradecanoic acid



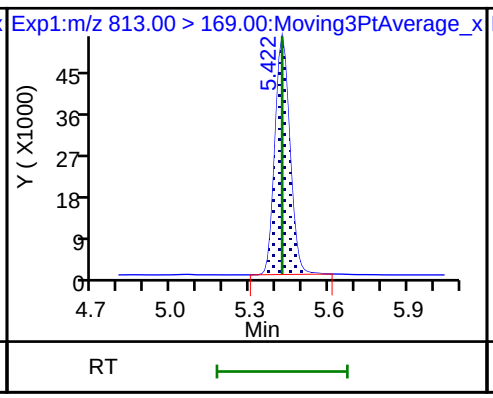
42 Perfluorotetradecanoic acid (M)



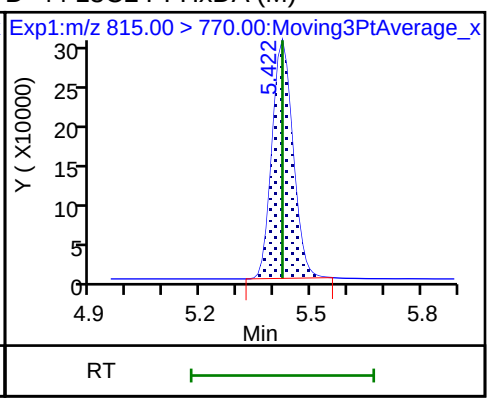
45 Perfluorohexadecanoic acid (M)



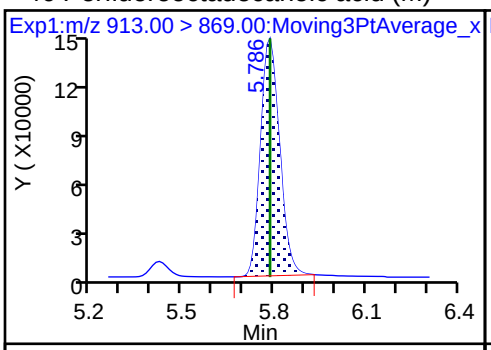
45 Perfluorohexadecanoic acid



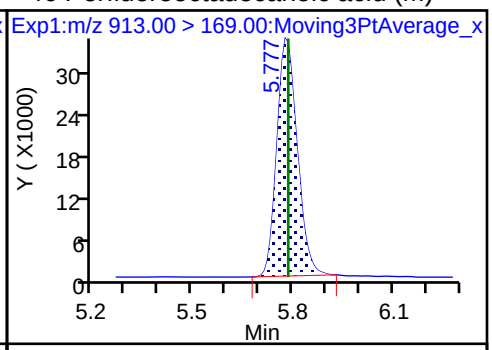
D 44 13C2 PFHxDA (M)



46 Perfluorooctadecanoic acid (M)



46 Perfluorooctadecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins Burlington

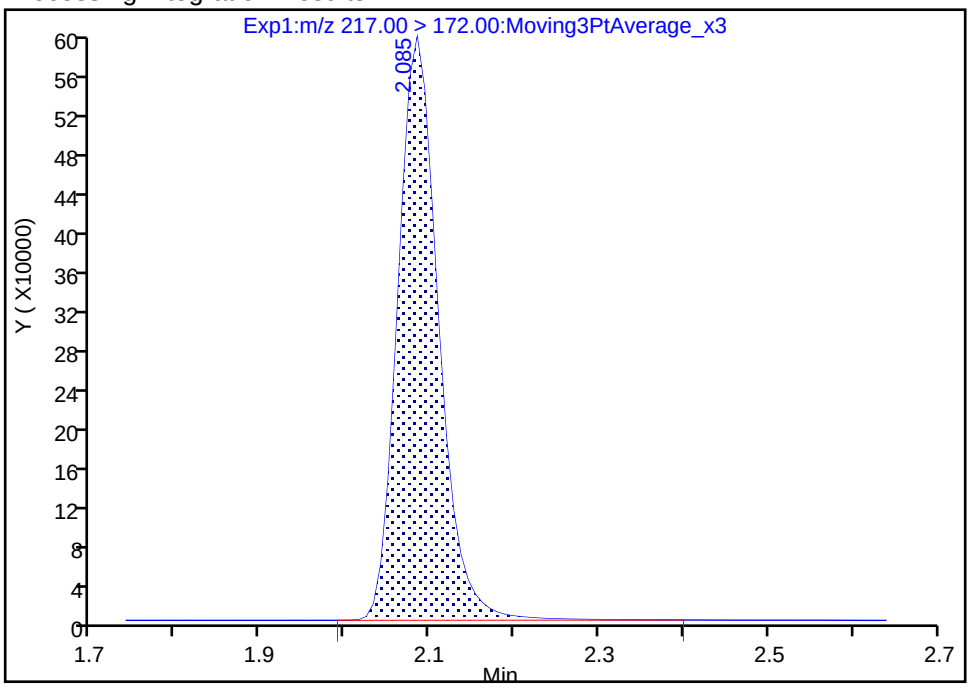
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Injection Date:	03-Aug-2022 13:24:49	Instrument ID:	LC812		
Lims ID:	ICIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

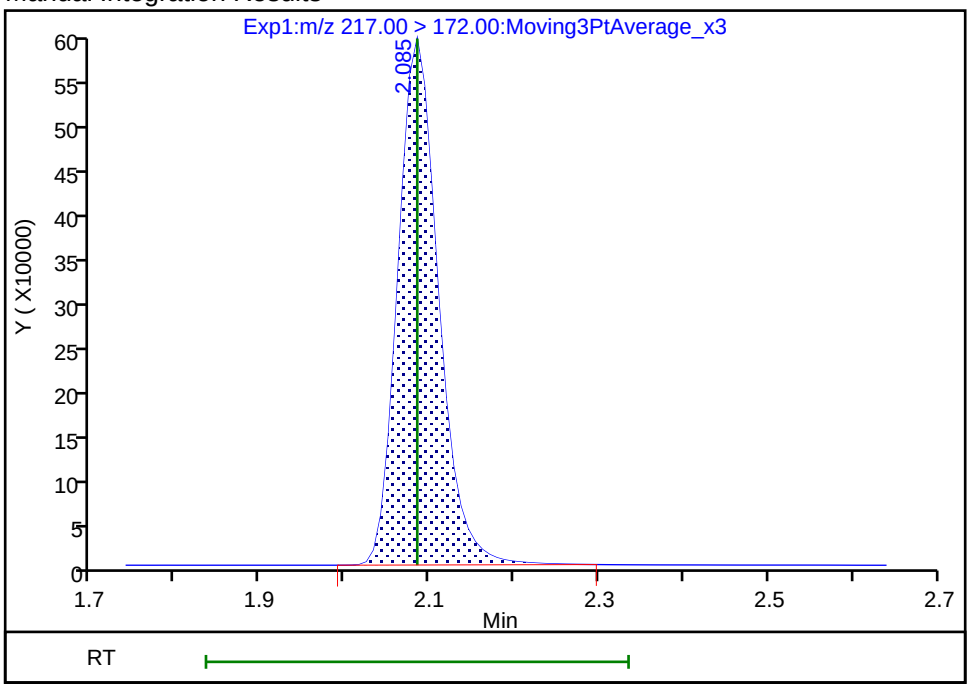
Processing Integration Results

RT: 2.08
Area: 1995913
Amount: 1.269976
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 1990166
Amount: 1.234104
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:45:58

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

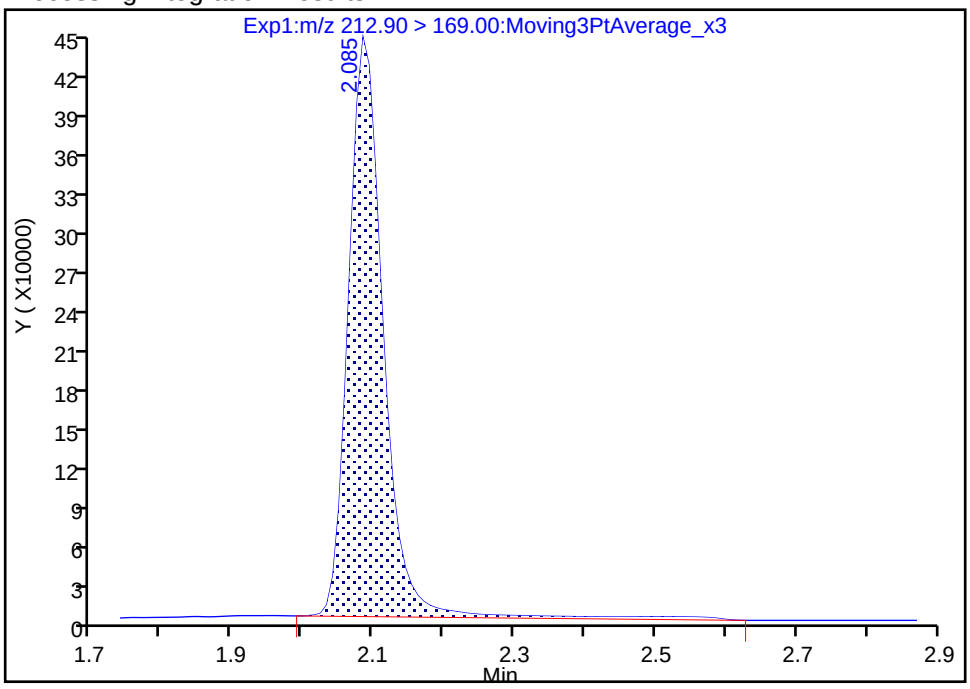
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d				
Injection Date:	03-Aug-2022 13:24:49	Instrument ID:	LC812		
Lims ID:	ICIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

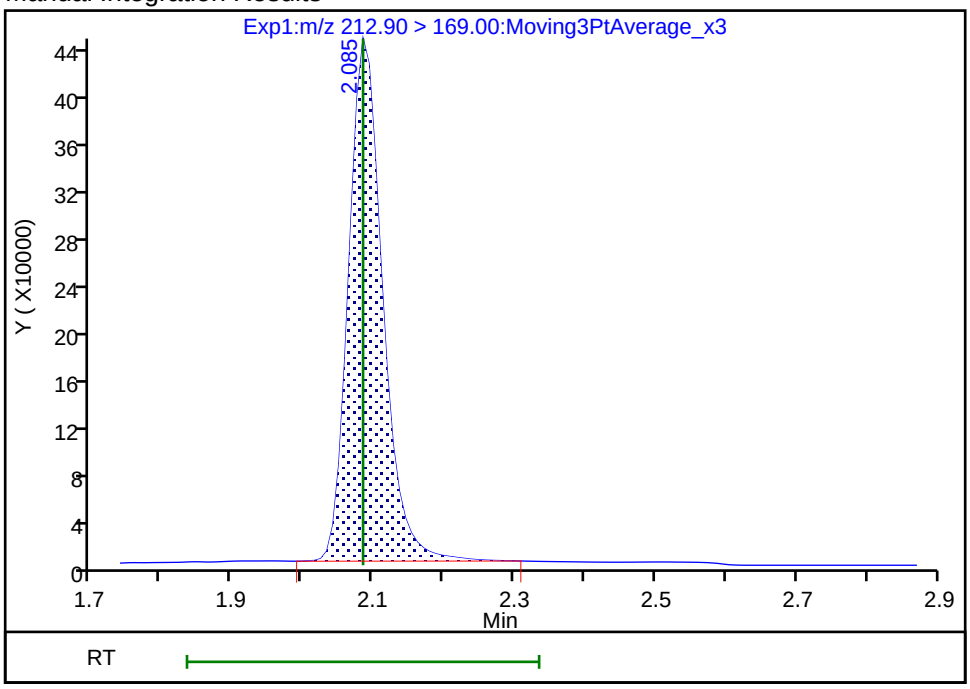
Processing Integration Results

RT: 2.08
Area: 1534489
Amount: 0.983938
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 1485378
Amount: 0.962110
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:46:02

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

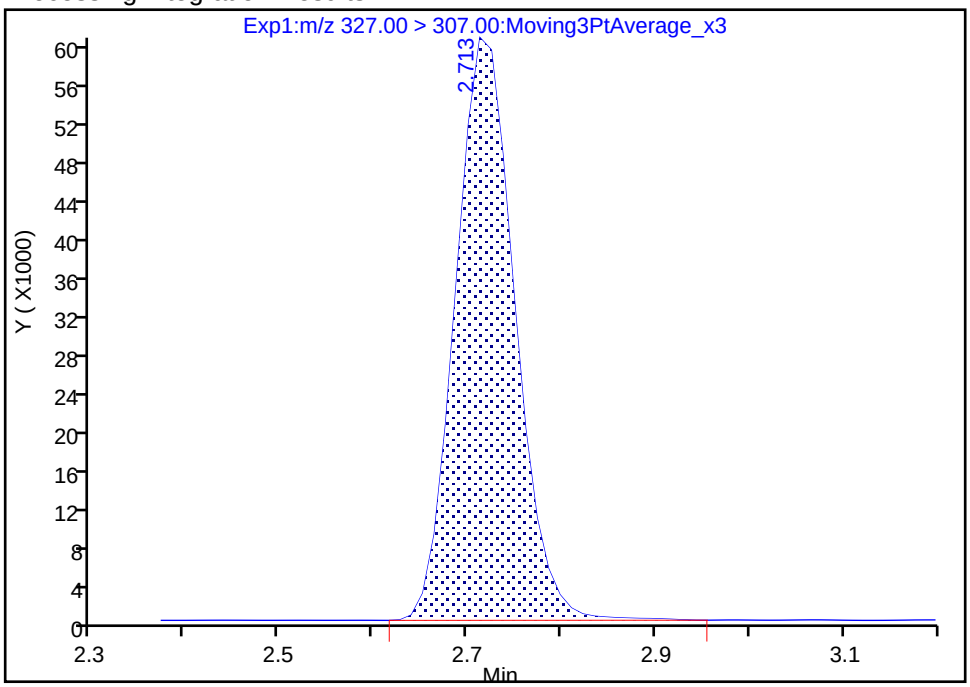
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

61 1H,1H,2H,2H-perfluorohexanesulfo, CAS: 757124-72-4

Signal: 1

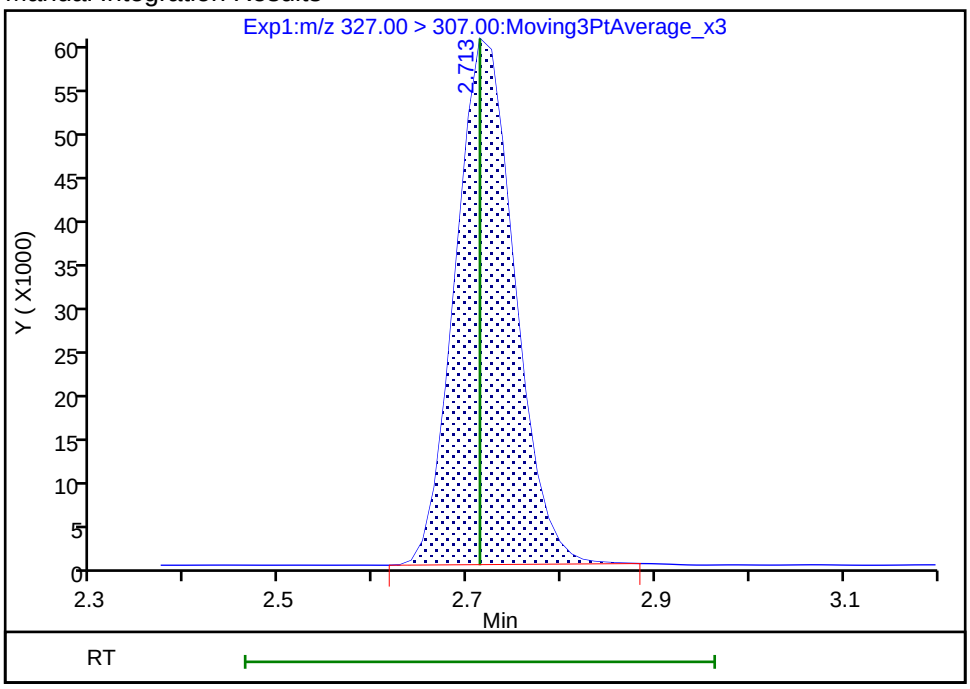
Processing Integration Results

RT: 2.71
Area: 266530
Amount: 0.925627
Amount Units: ng/ml



Manual Integration Results

RT: 2.71
Area: 264719
Amount: 0.934717
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:46:17
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

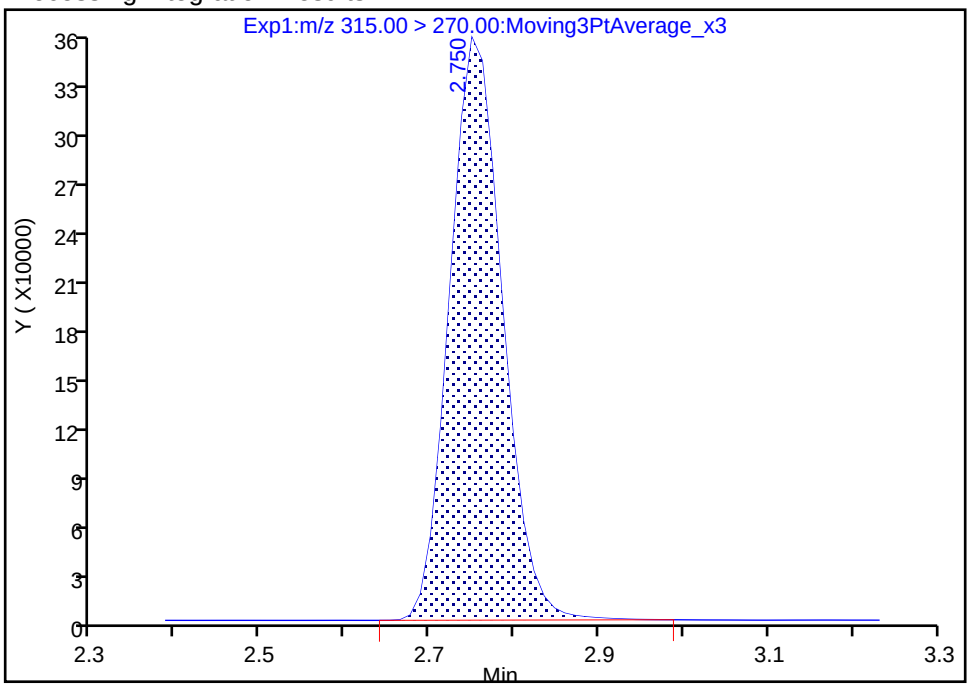
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 7 13C2 PFHxA, CAS: STL00993

Signal: 1

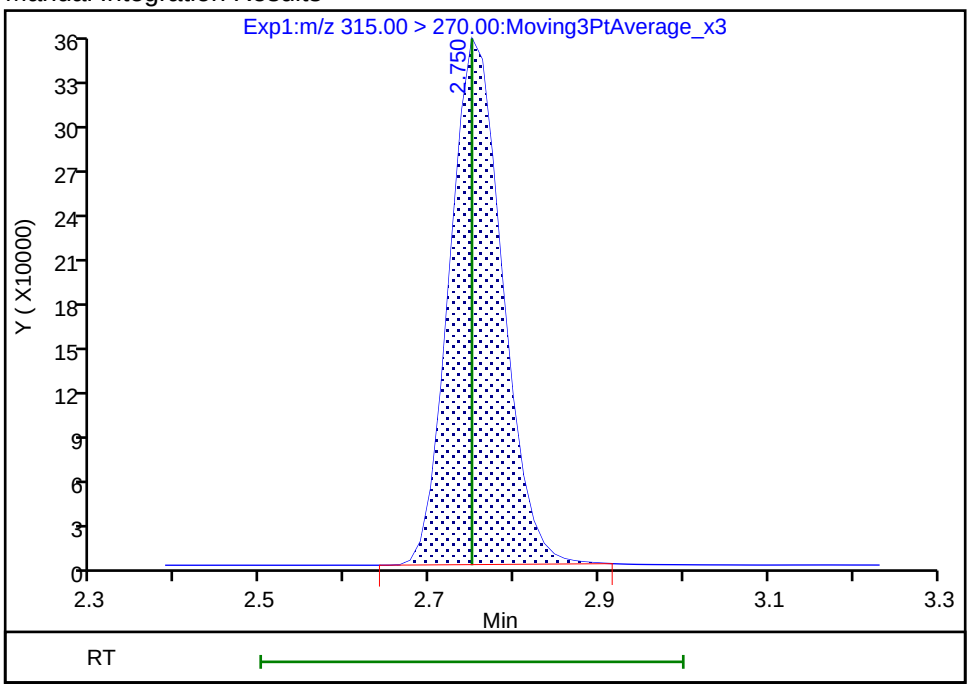
Processing Integration Results

RT: 2.75
Area: 1553236
Amount: 1.282508
Amount Units: ng/ml



Manual Integration Results

RT: 2.75
Area: 1545822
Amount: 1.248254
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:46:33
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

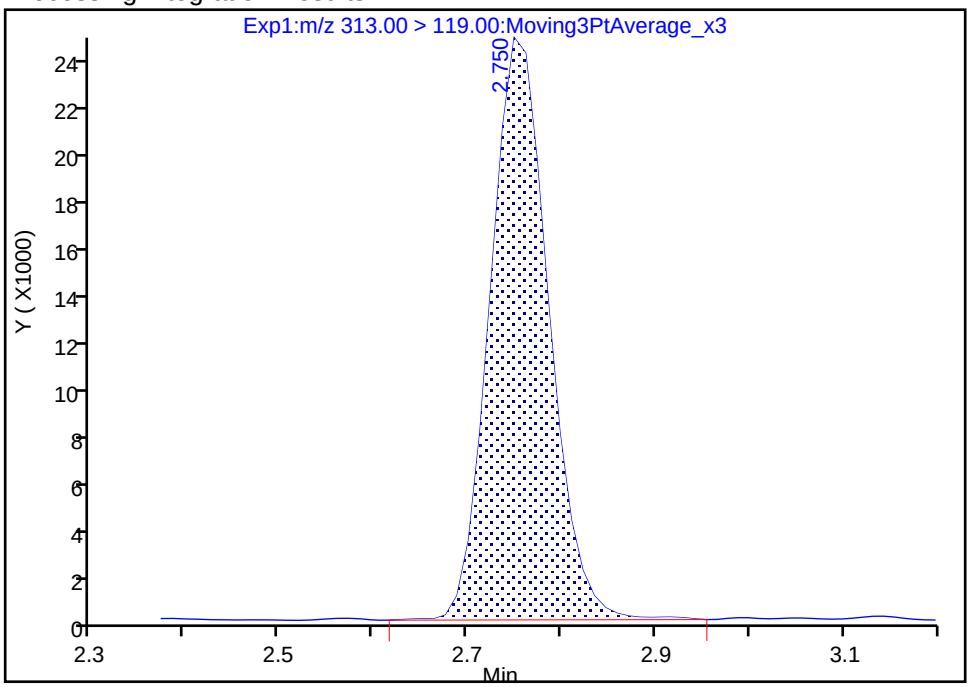
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

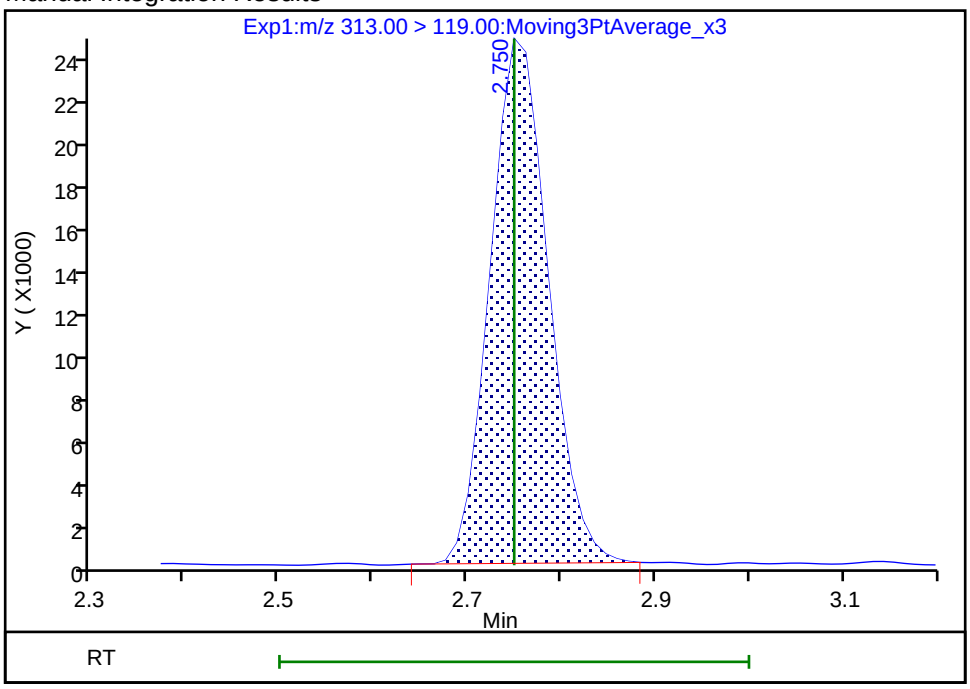
Processing Integration Results

RT: 2.75
Area: 103808
Amount: 0.951516
Amount Units: ng/ml



Manual Integration Results

RT: 2.75
Area: 102444
Amount: 0.971809
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:46:38
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

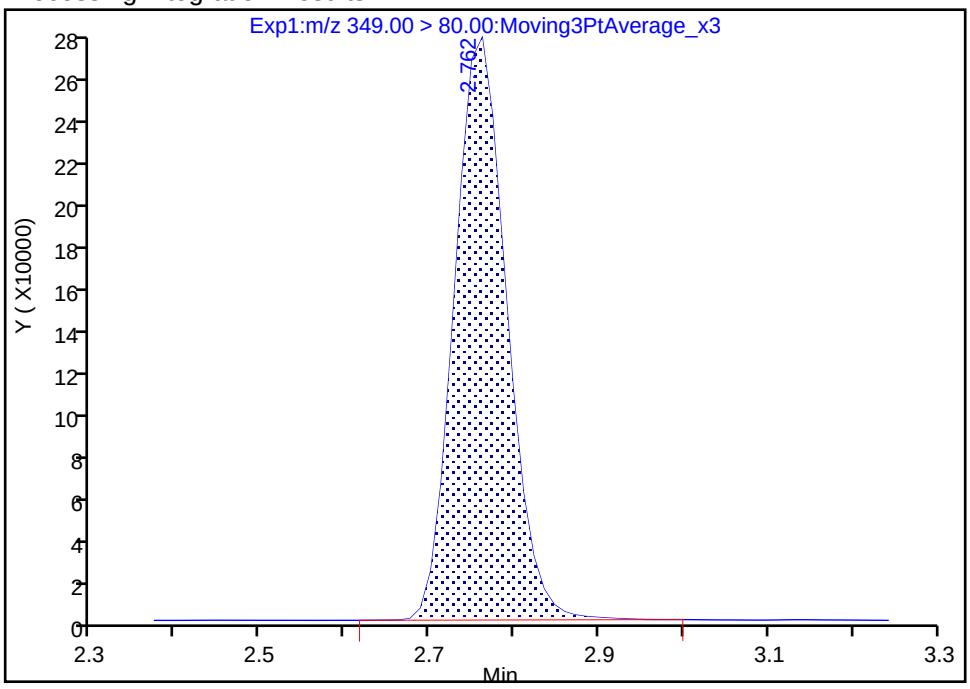
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

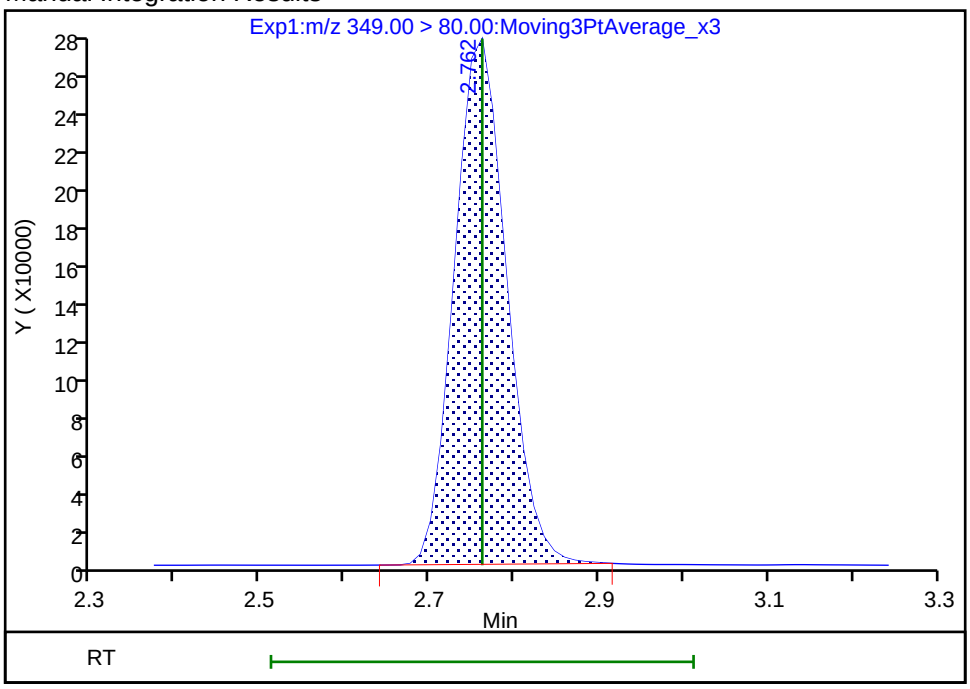
Processing Integration Results

RT: 2.76
Area: 1194607
Amount: 0.908452
Amount Units: ng/ml



Manual Integration Results

RT: 2.76
Area: 1187688
Amount: 0.902701
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:46:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

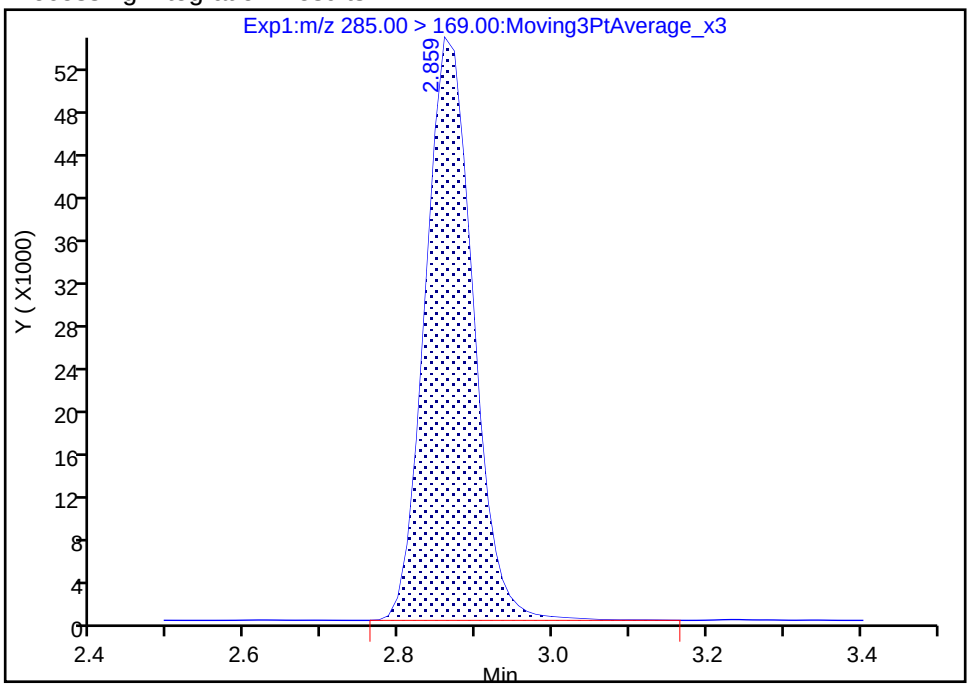
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

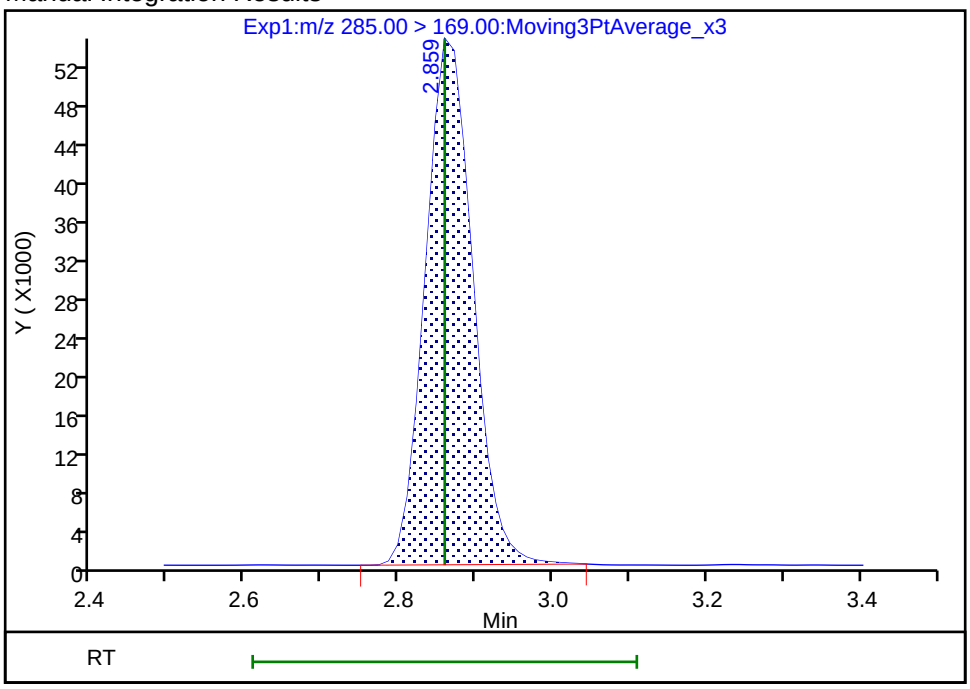
Processing Integration Results

RT: 2.86
Area: 235824
Amount: 0.953853
Amount Units: ng/ml



Manual Integration Results

RT: 2.86
Area: 234481
Amount: 0.958886
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:47:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

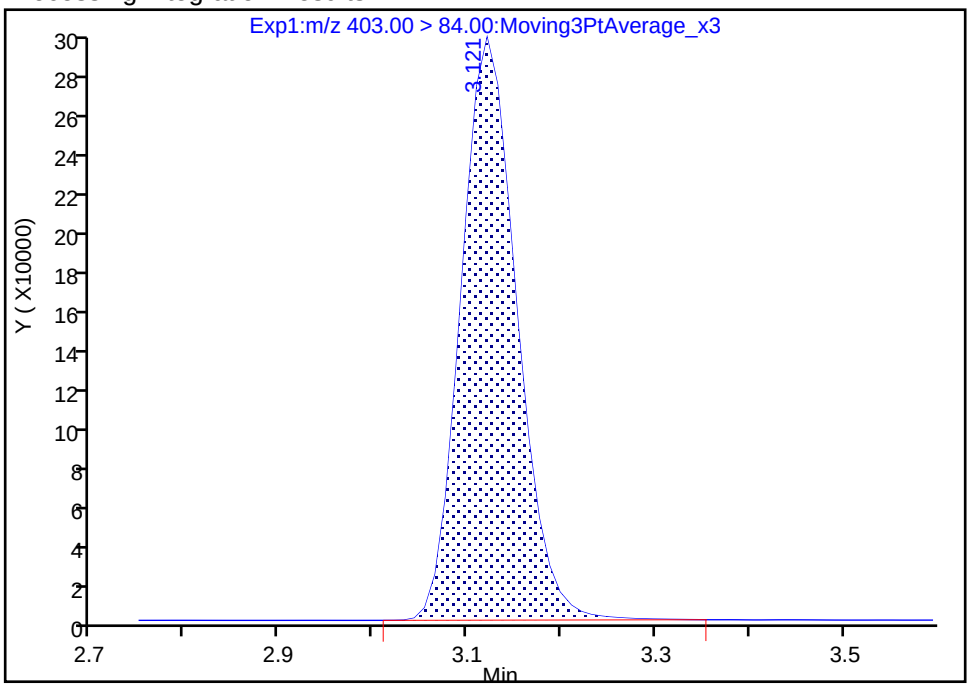
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d				
Injection Date:	03-Aug-2022 13:24:49	Instrument ID:	LC812		
Lims ID:	ICIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 11 18O2 PFHxS, CAS: STL00994

Signal: 1

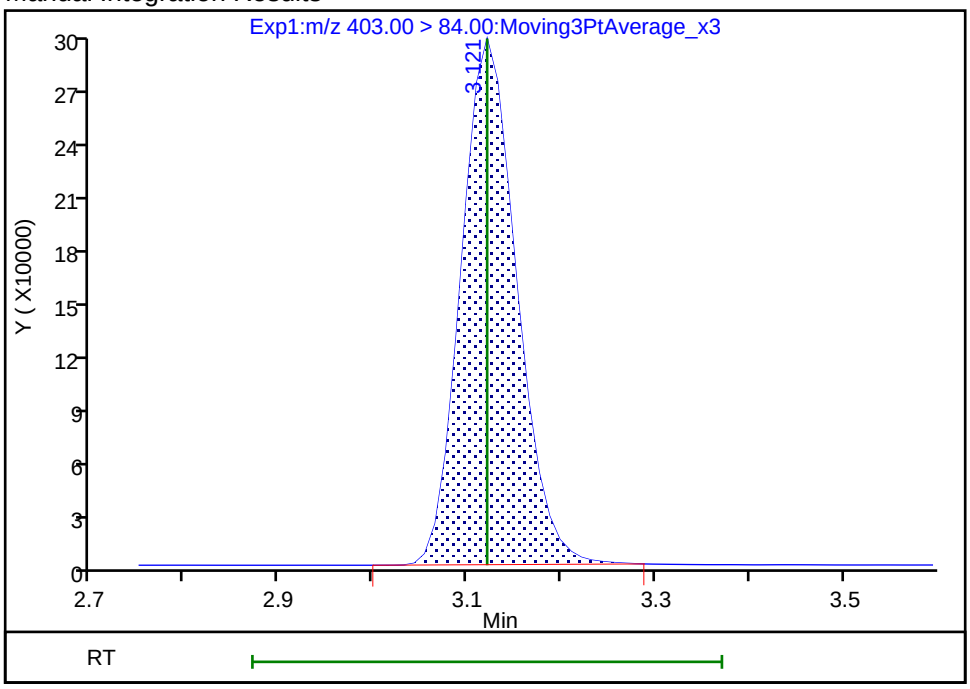
Processing Integration Results

RT: 3.12
Area: 1204907
Amount: 1.095506
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 1199930
Amount: 1.188733
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:47:15

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

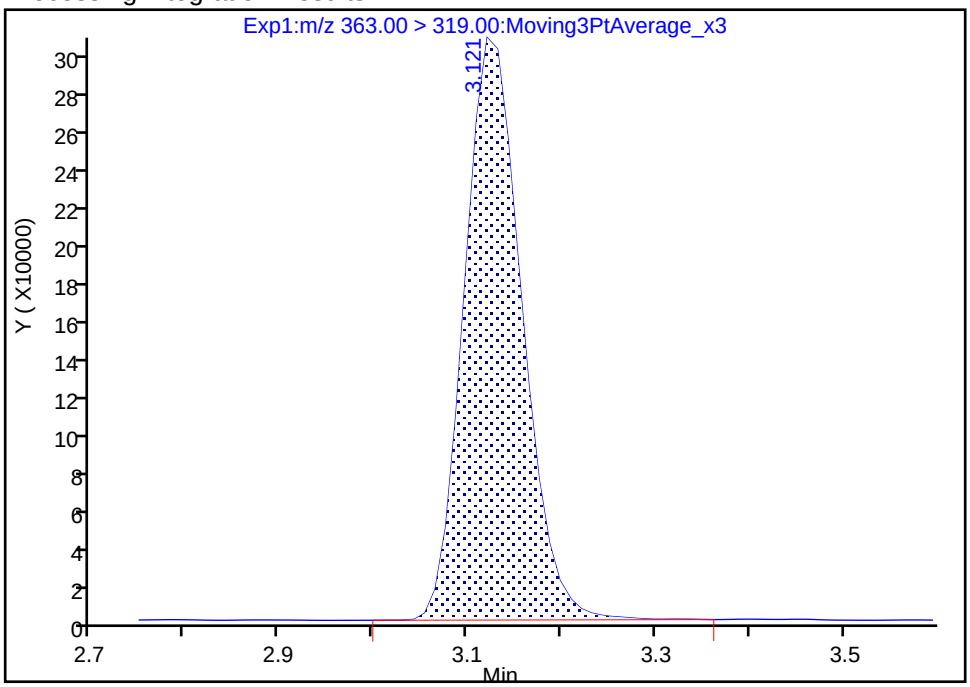
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

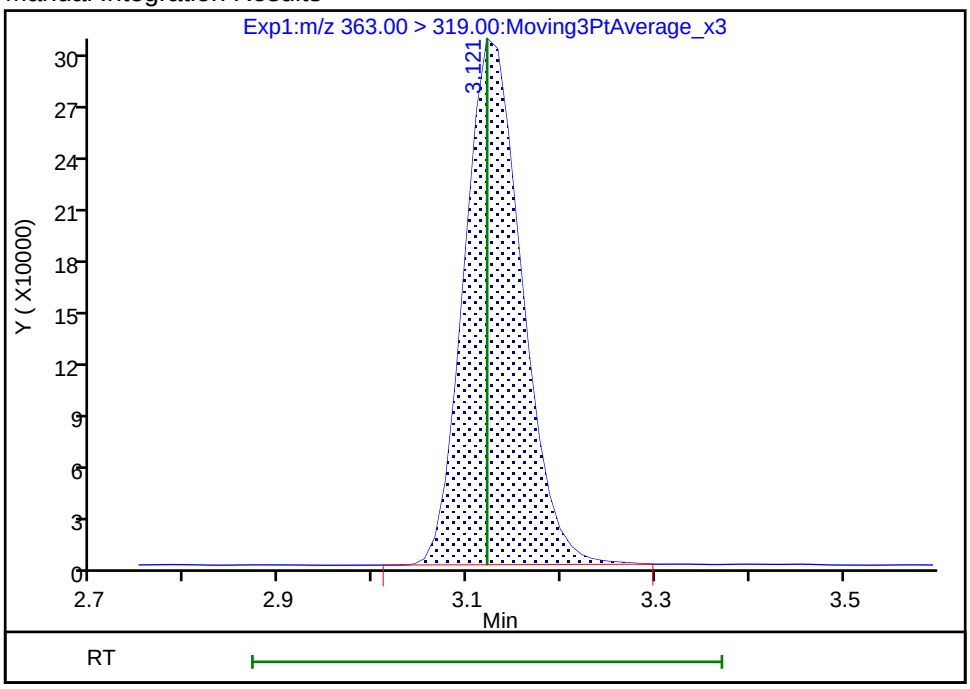
Processing Integration Results

RT: 3.12
Area: 1293112
Amount: 0.991570
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 1289525
Amount: 0.987261
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:47:22
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

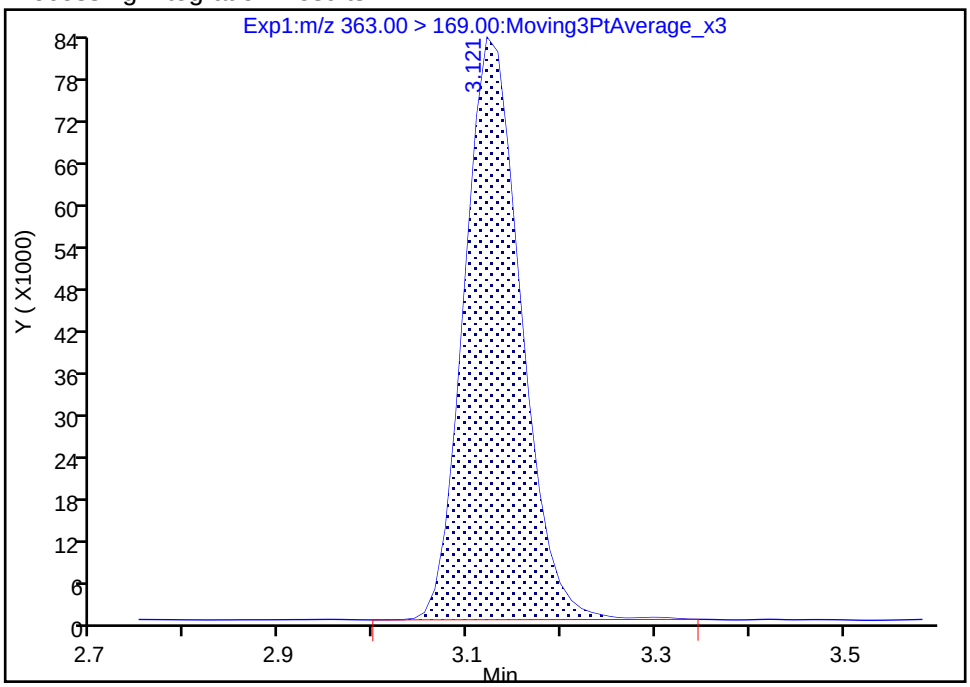
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d				
Injection Date:	03-Aug-2022 13:24:49	Instrument ID:	LC812		
Lims ID:	ICIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

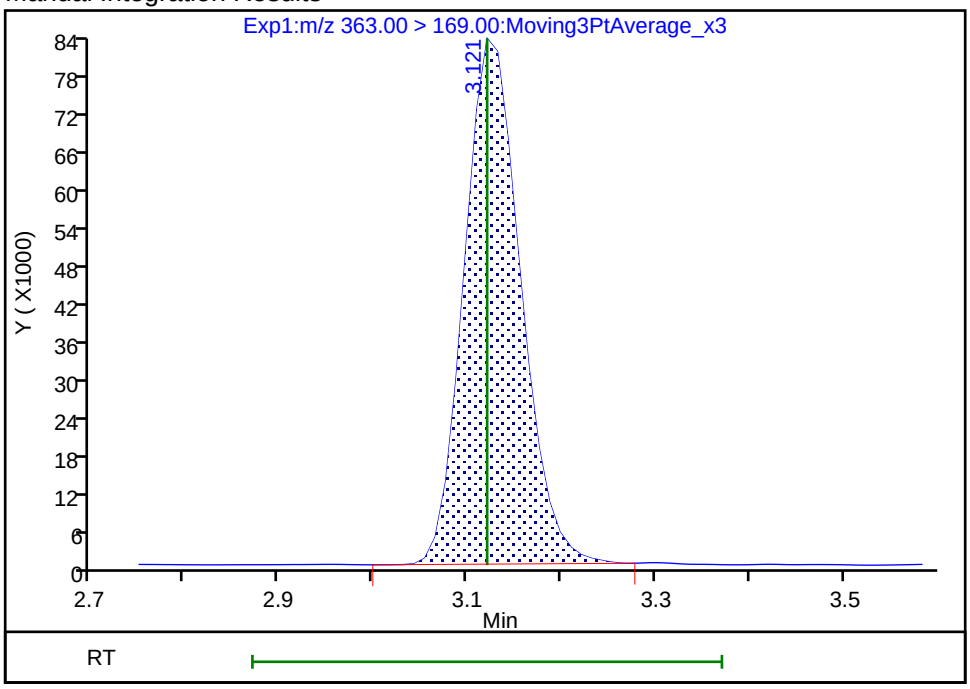
Processing Integration Results

RT: 3.12
Area: 348331
Amount: 0.991570
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 346094
Amount: 0.987261
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:47:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

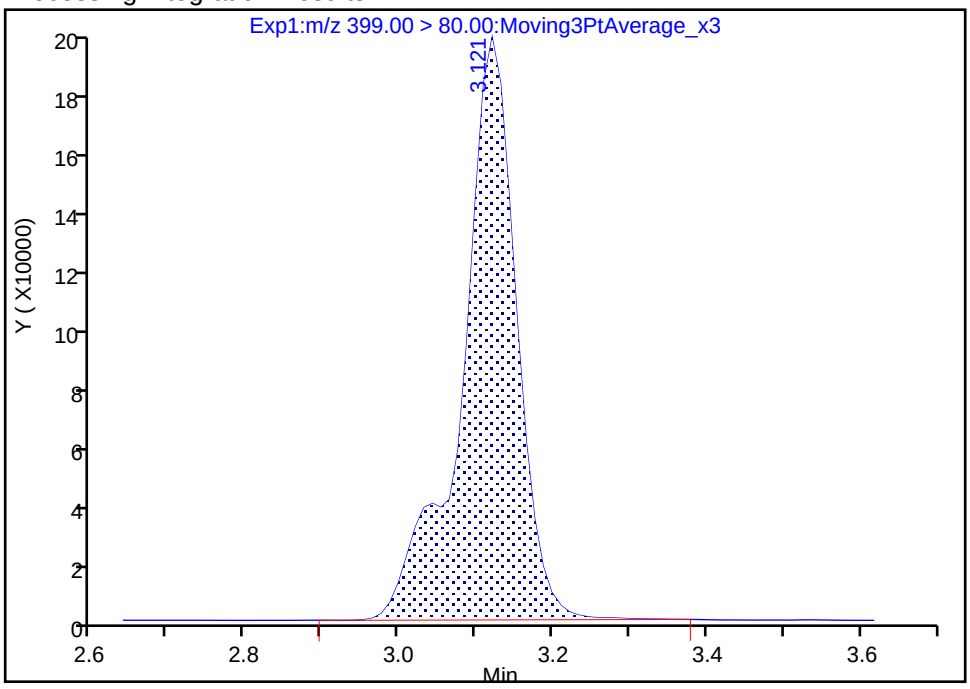
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d				
Injection Date:	03-Aug-2022 13:24:49	Instrument ID:	LC812		
Lims ID:	ICIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

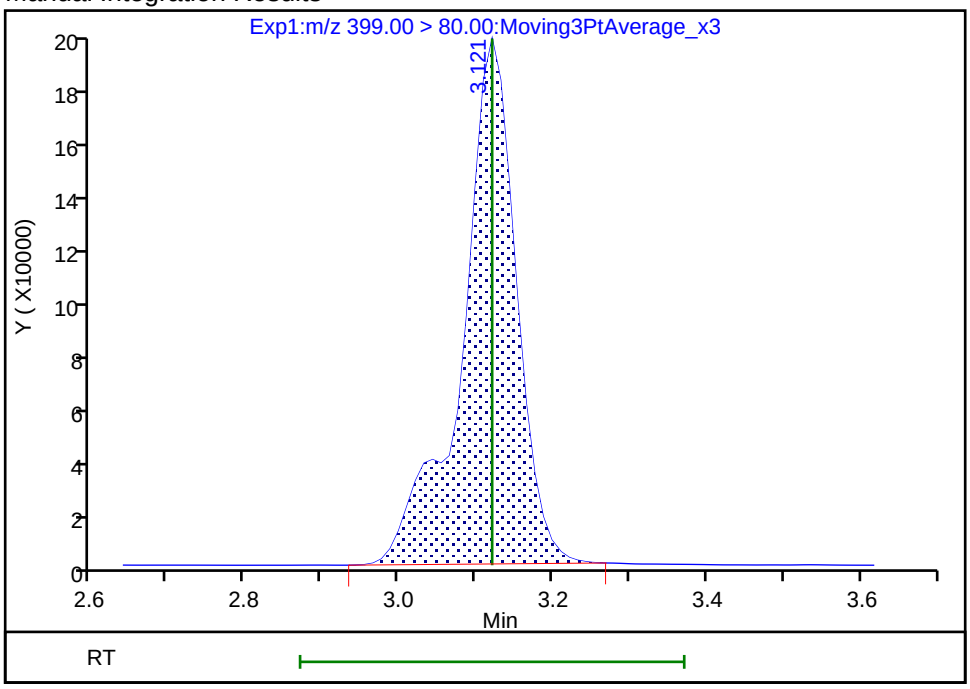
Processing Integration Results

RT: 3.12
Area: 950604
Amount: 0.836981
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 943168
Amount: 0.842718
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:47:05

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

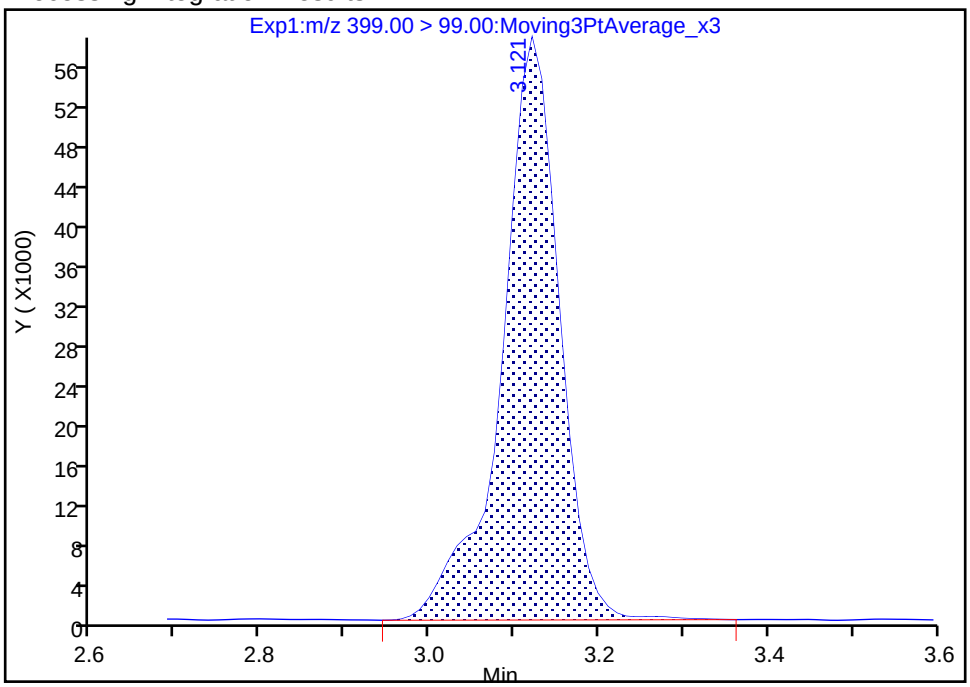
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d				
Injection Date:	03-Aug-2022 13:24:49	Instrument ID:	LC812		
Lims ID:	ICIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

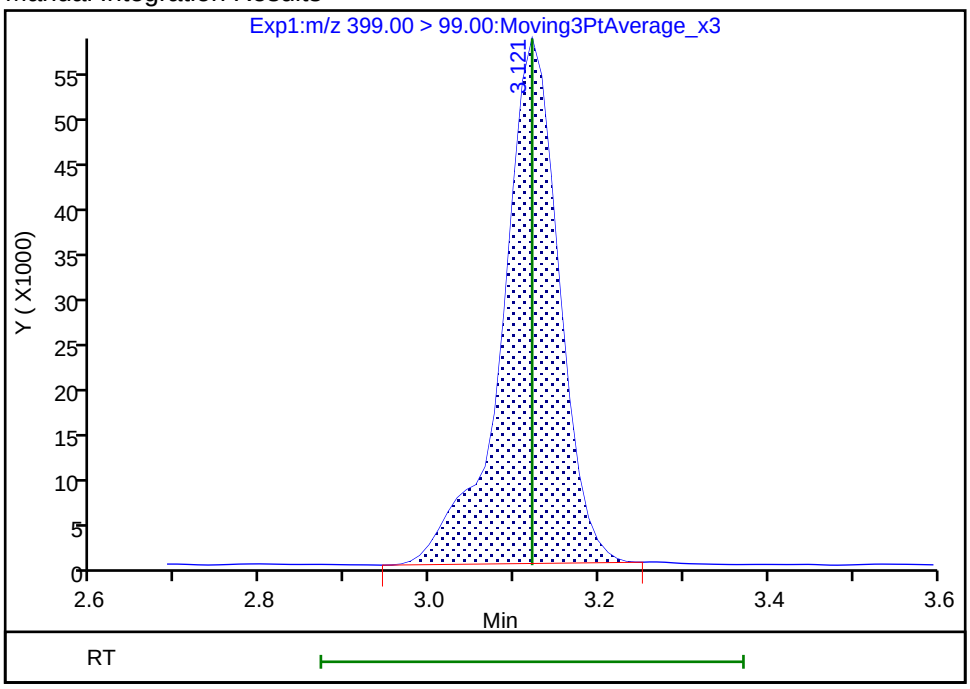
Processing Integration Results

RT: 3.12
Area: 278112
Amount: 0.836981
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 274604
Amount: 0.842718
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:47:09

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

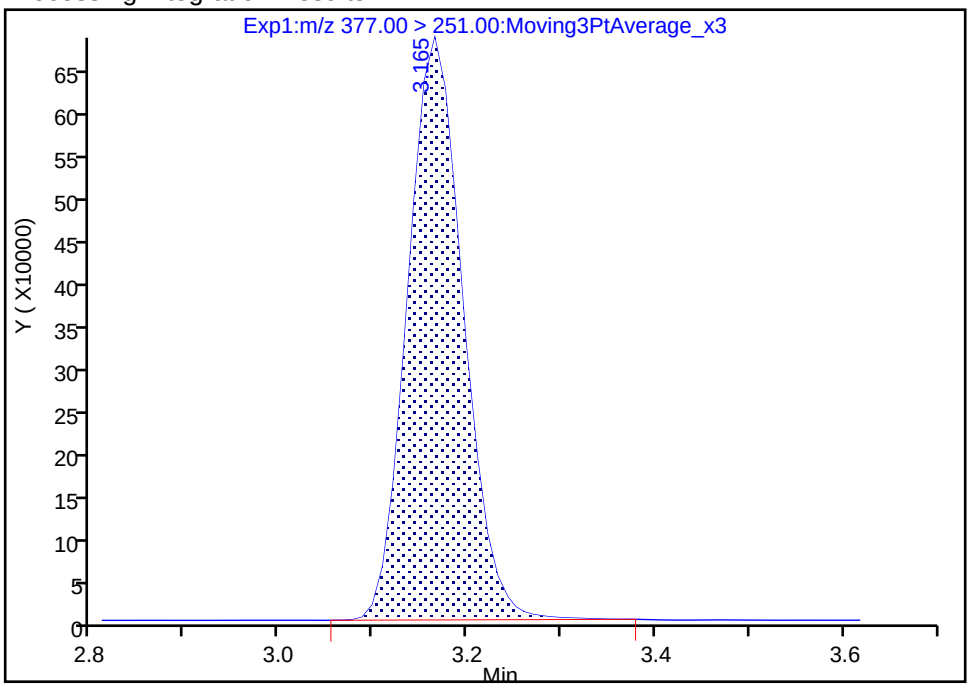
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d				
Injection Date:	03-Aug-2022 13:24:49	Instrument ID:	LC812		
Lims ID:	ICIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

77 DONA, CAS: 919005-14-4

Signal: 1

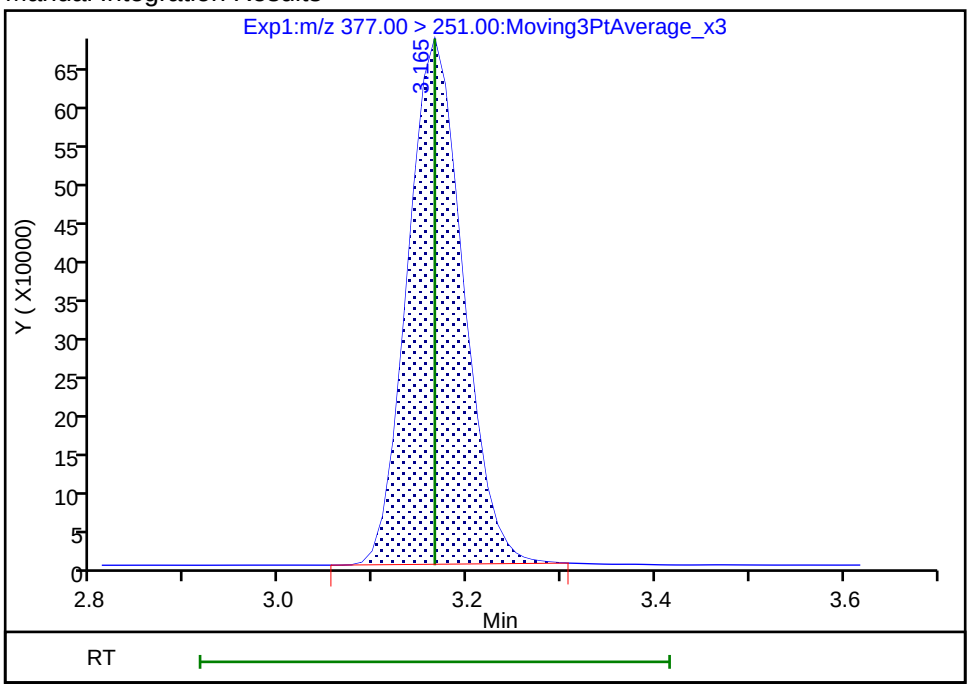
Processing Integration Results

RT: 3.17
Area: 2829441
Amount: 0.996866
Amount Units: ng/ml



Manual Integration Results

RT: 3.17
Area: 2813092
Amount: 0.941062
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:47:34

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

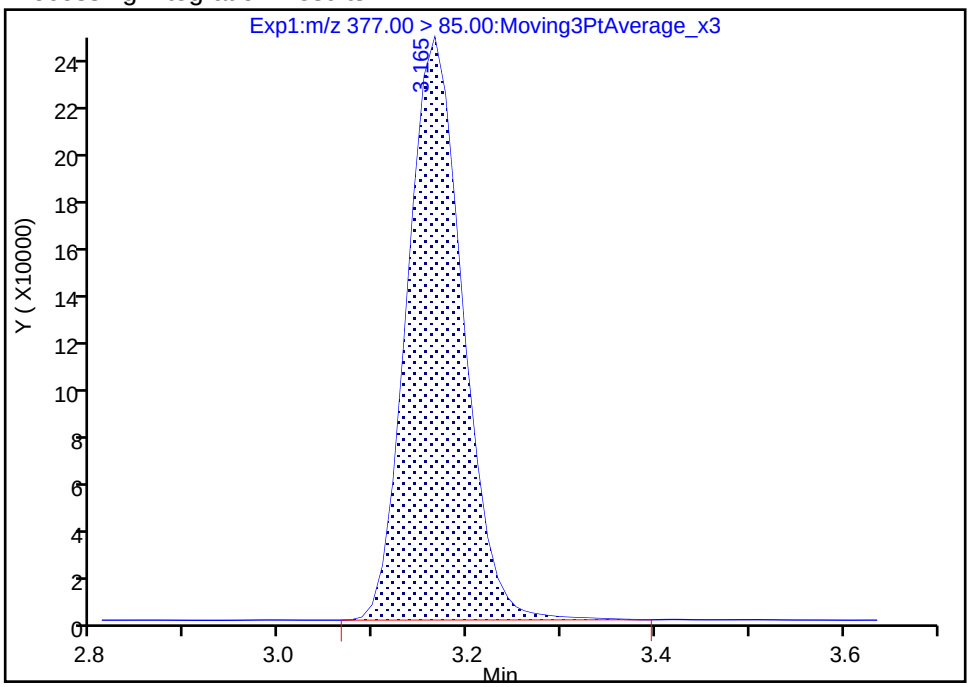
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d				
Injection Date:	03-Aug-2022 13:24:49	Instrument ID:	LC812		
Lims ID:	ICIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

77 DONA, CAS: 919005-14-4

Signal: 2

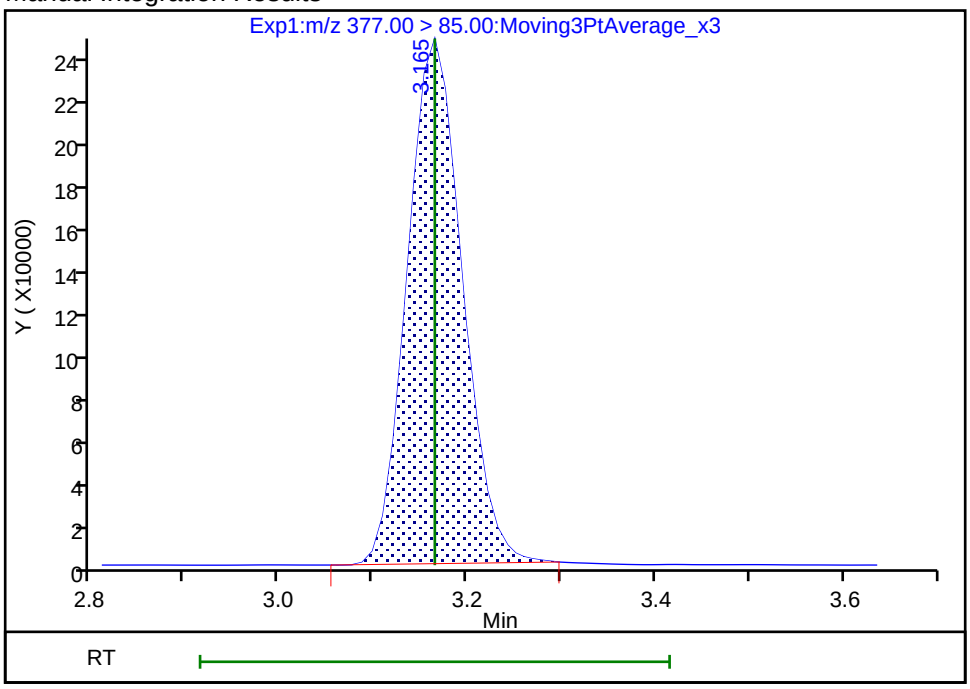
Processing Integration Results

RT: 3.17
Area: 1004059
Amount: 0.996866
Amount Units: ng/ml



Manual Integration Results

RT: 3.17
Area: 991616
Amount: 0.941062
Amount Units: ng/ml



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

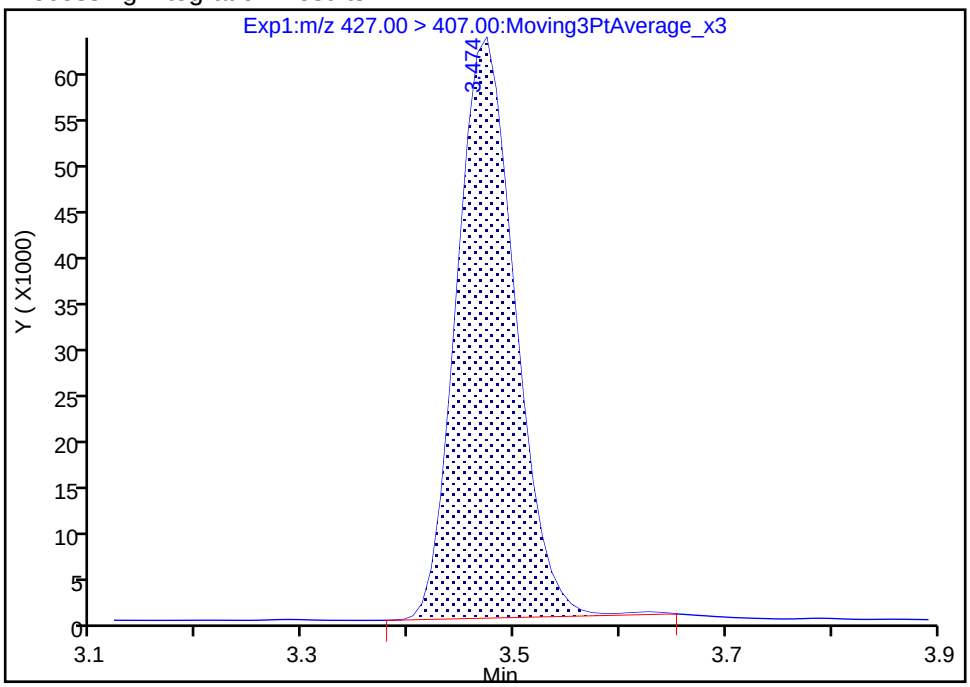
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d				
Injection Date:	03-Aug-2022 13:24:49	Instrument ID:	LC812		
Lims ID:	ICIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

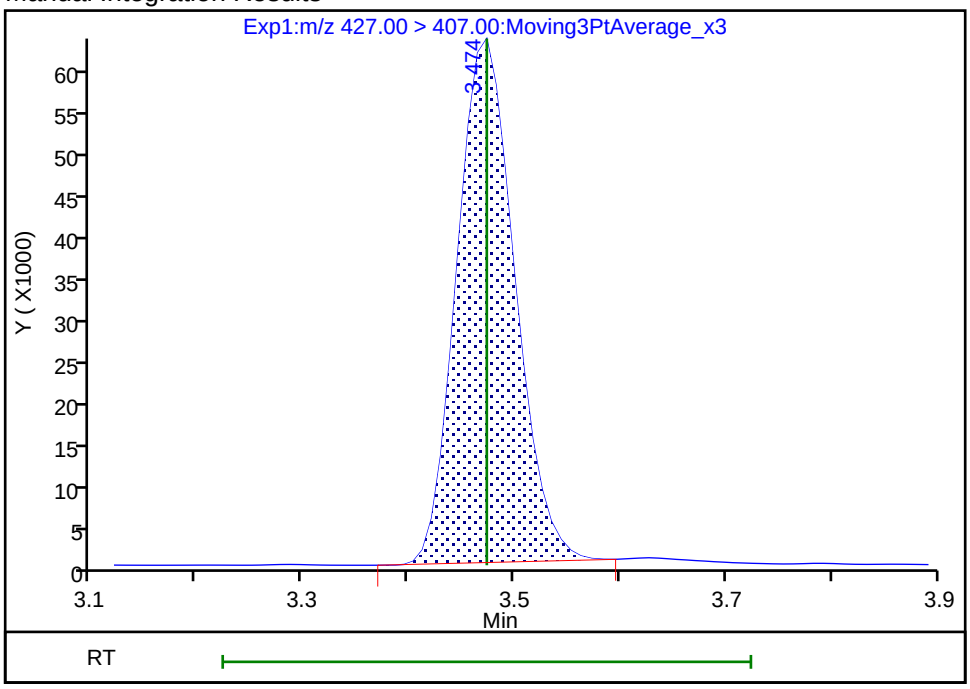
Processing Integration Results

RT: 3.47
Area: 240740
Amount: 0.906039
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 238899
Amount: 0.941783
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:47:56

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

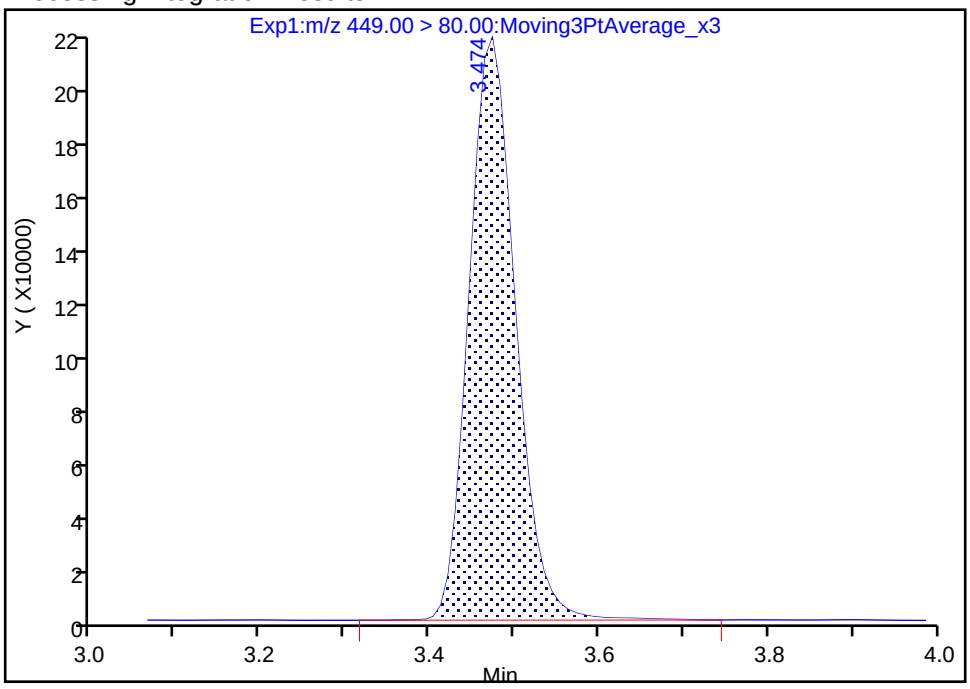
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

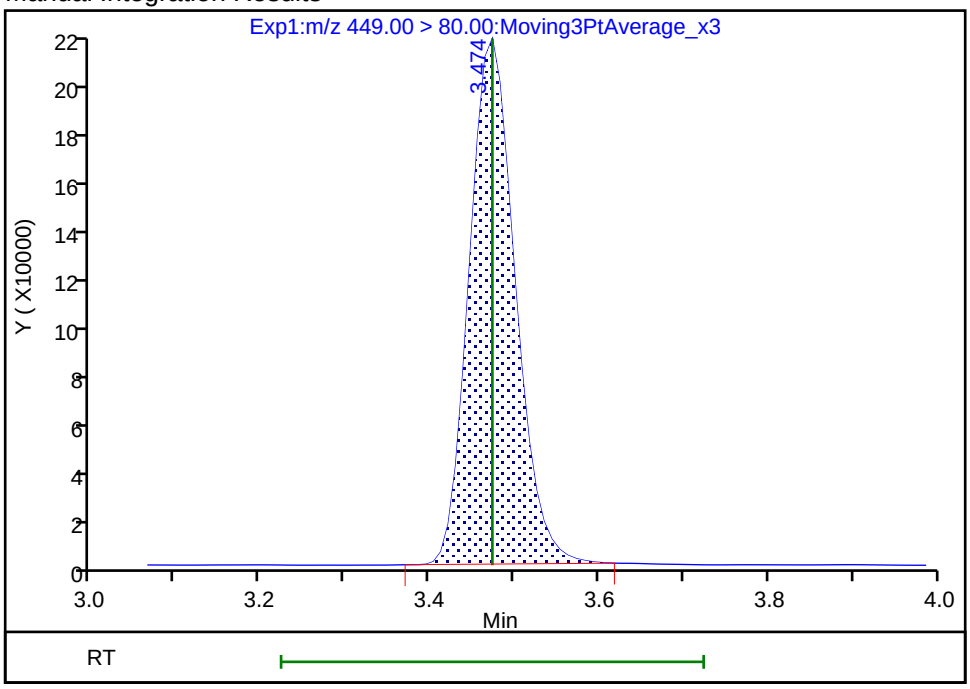
Processing Integration Results

RT: 3.47
Area: 831292
Amount: 0.919262
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 822025
Amount: 0.916355
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:47:46
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

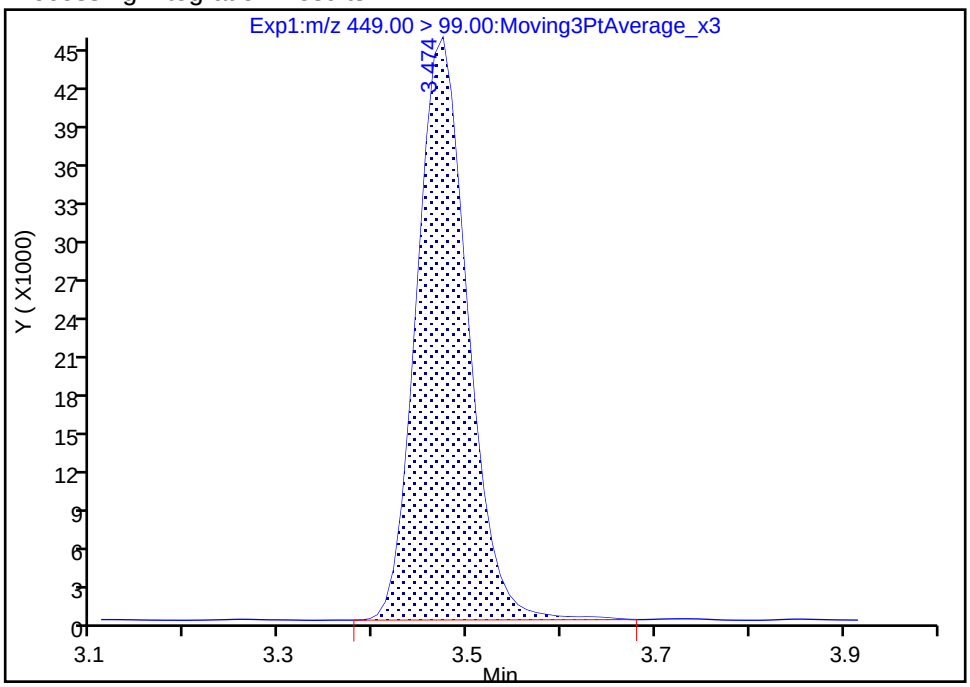
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d				
Injection Date:	03-Aug-2022 13:24:49	Instrument ID:	LC812		
Lims ID:	ICIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

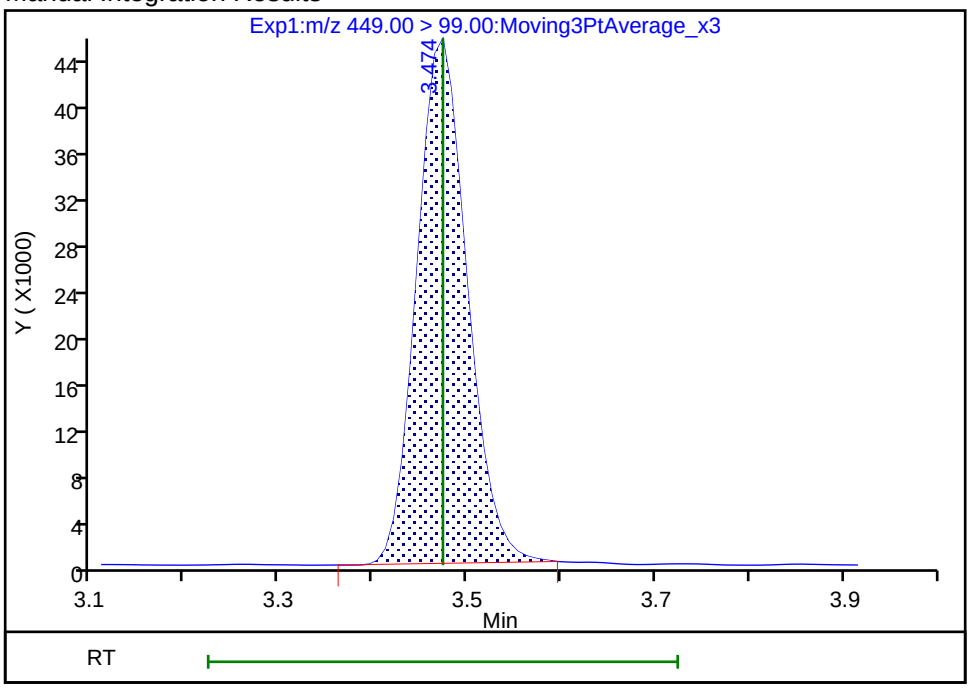
Processing Integration Results

RT: 3.47
Area: 170957
Amount: 0.919262
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 168205
Amount: 0.916355
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:47:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

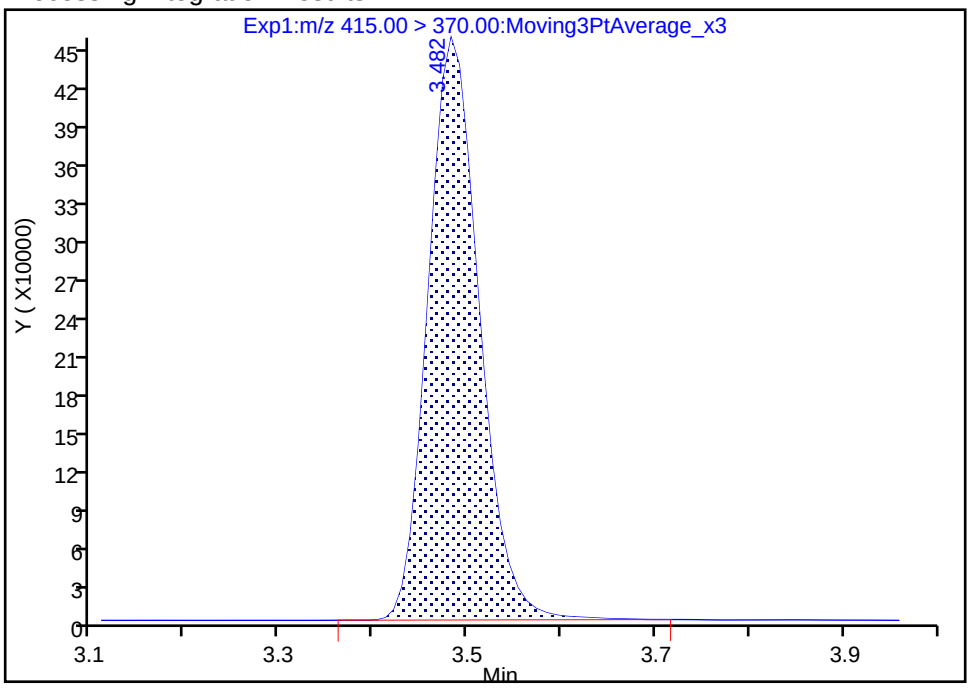
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

* 62 13C2 PFOA, CAS: STL00623

Signal: 1

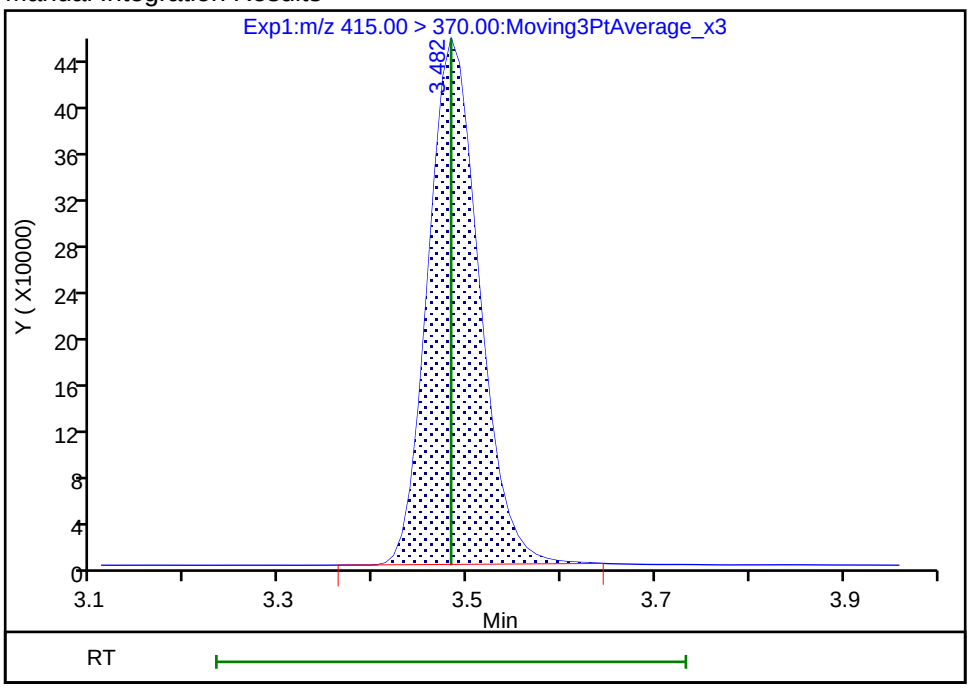
Processing Integration Results

RT: 3.48
Area: 1737509
Amount: 1.250000
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 1727269
Amount: 1.250000
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:48:01
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

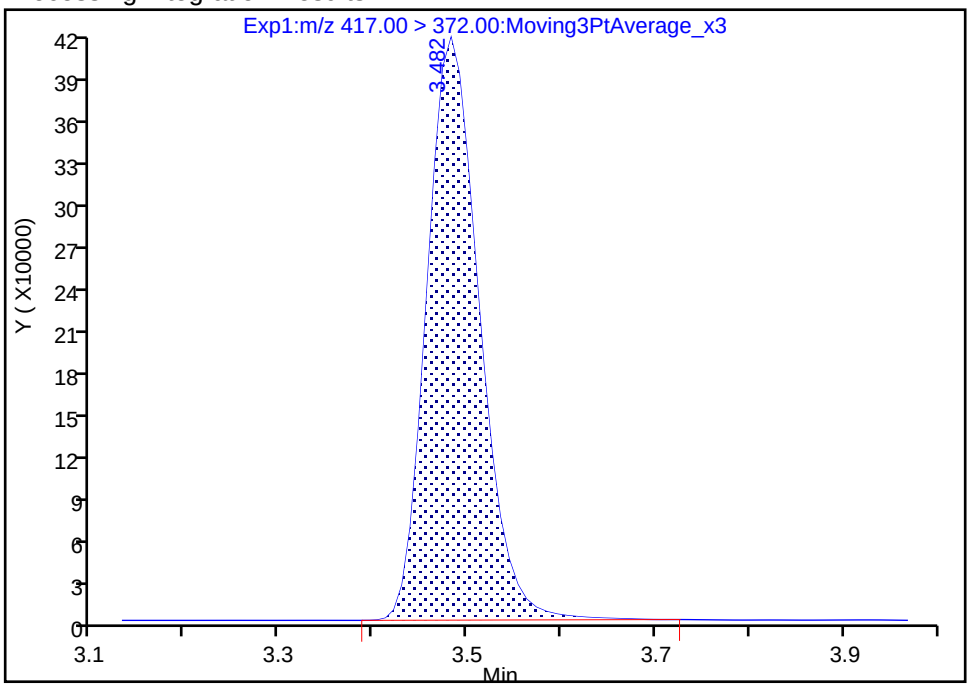
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d				
Injection Date:	03-Aug-2022 13:24:49	Instrument ID:	LC812		
Lims ID:	ICIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

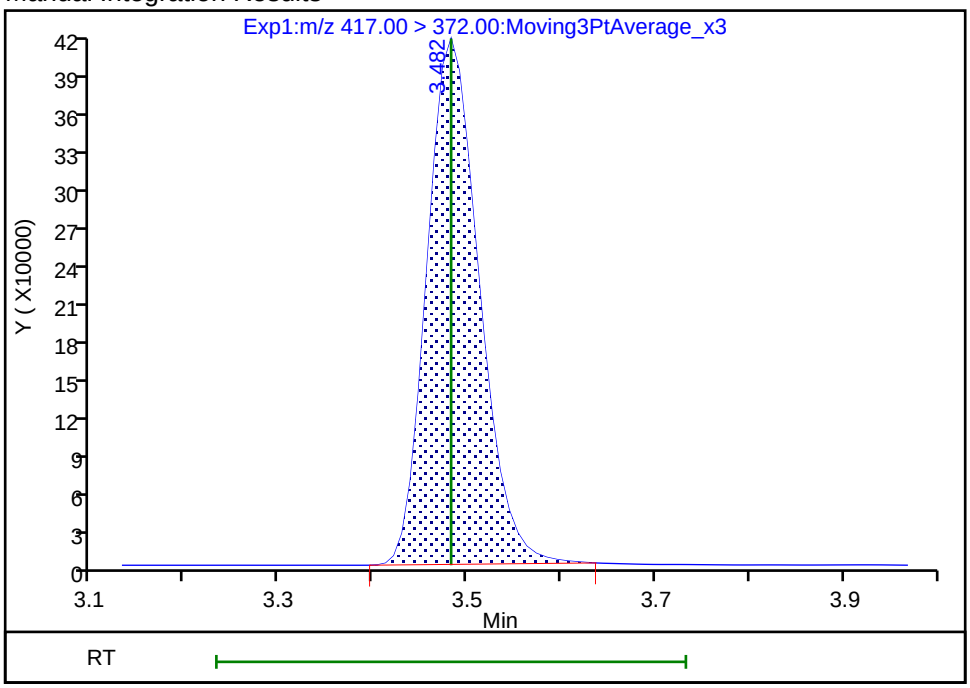
Processing Integration Results

RT: 3.48
Area: 1626515
Amount: 1.238112
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 1613787
Amount: 1.226077
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:48:09

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

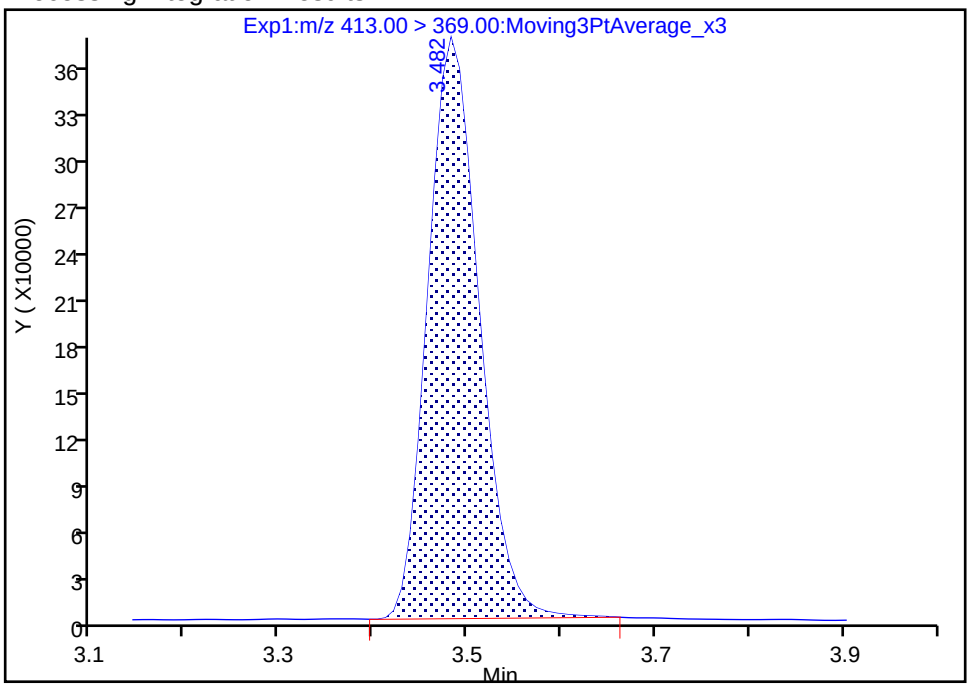
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d				
Injection Date:	03-Aug-2022 13:24:49	Instrument ID:	LC812		
Lims ID:	ICIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

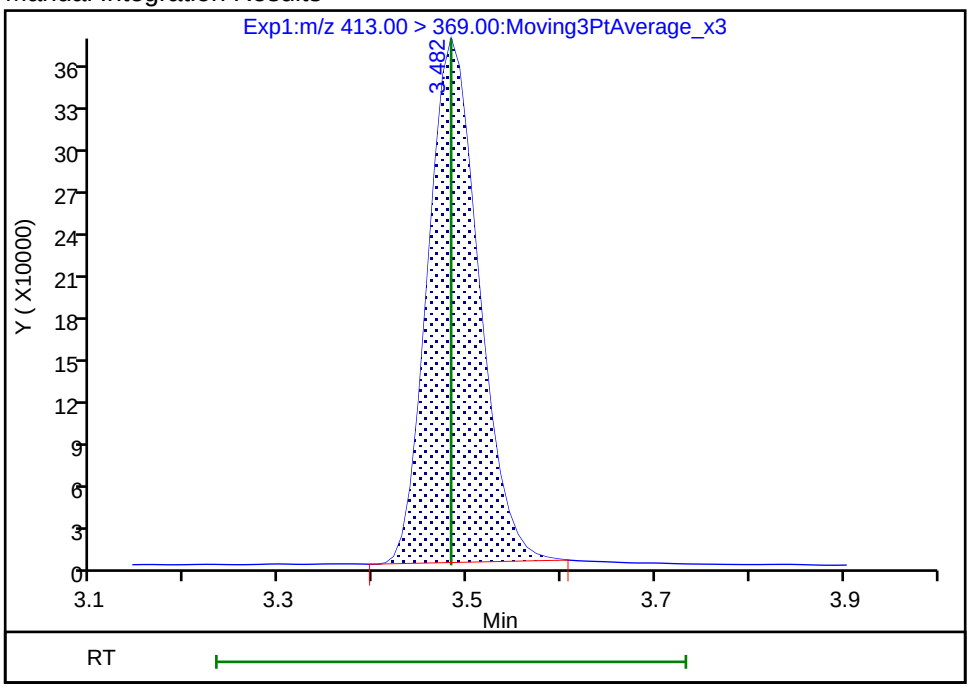
Processing Integration Results

RT: 3.48
Area: 1424061
Amount: 0.971907
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 1407860
Amount: 0.972441
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:48:13

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

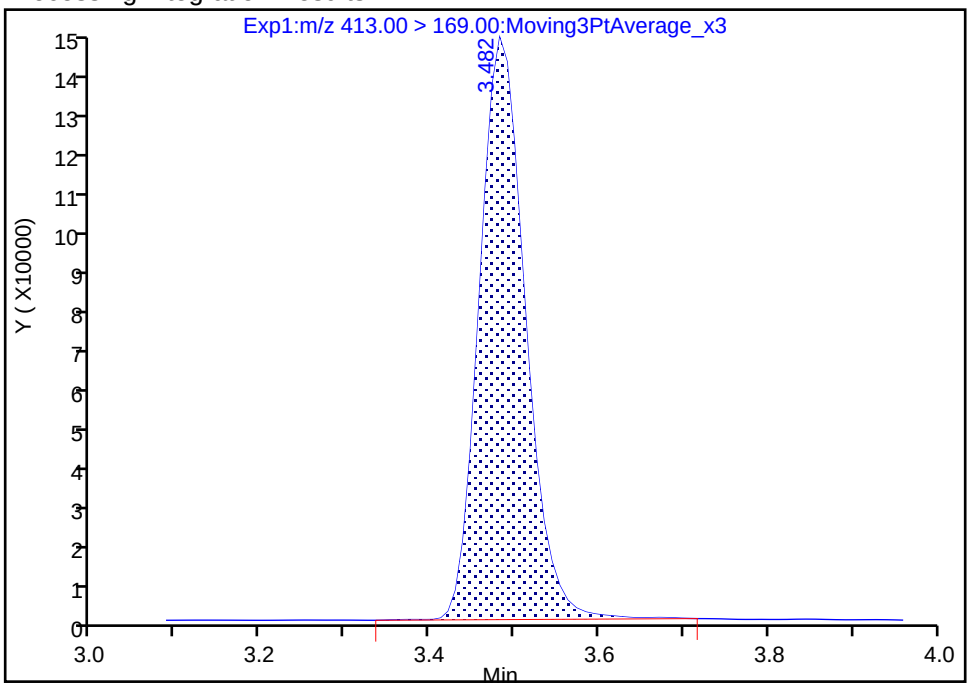
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

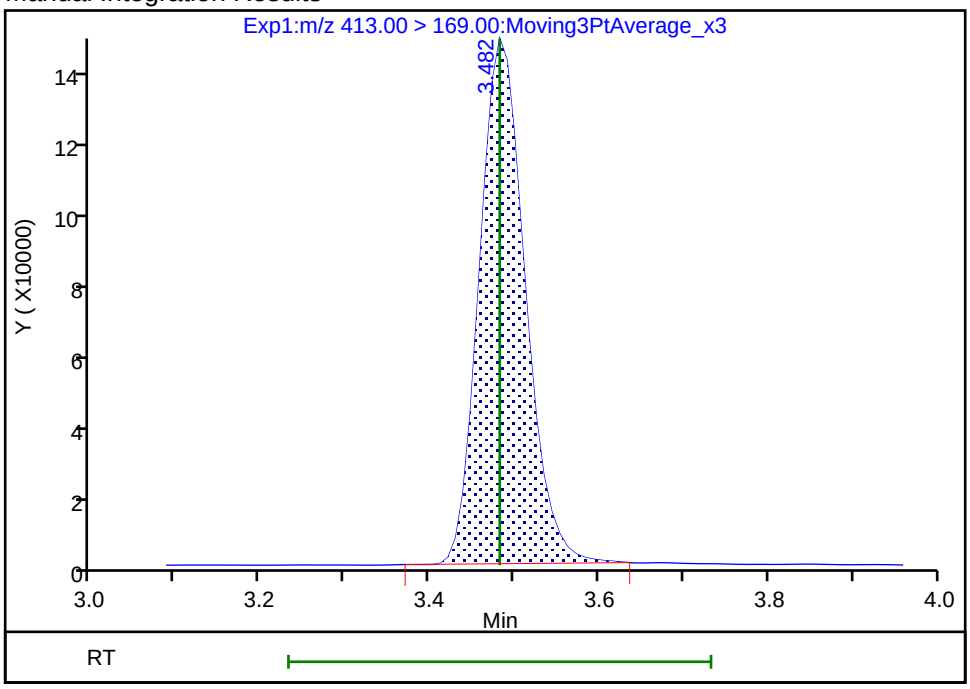
Processing Integration Results

RT: 3.48
Area: 531711
Amount: 0.971907
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 526635
Amount: 0.972441
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:48:17
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

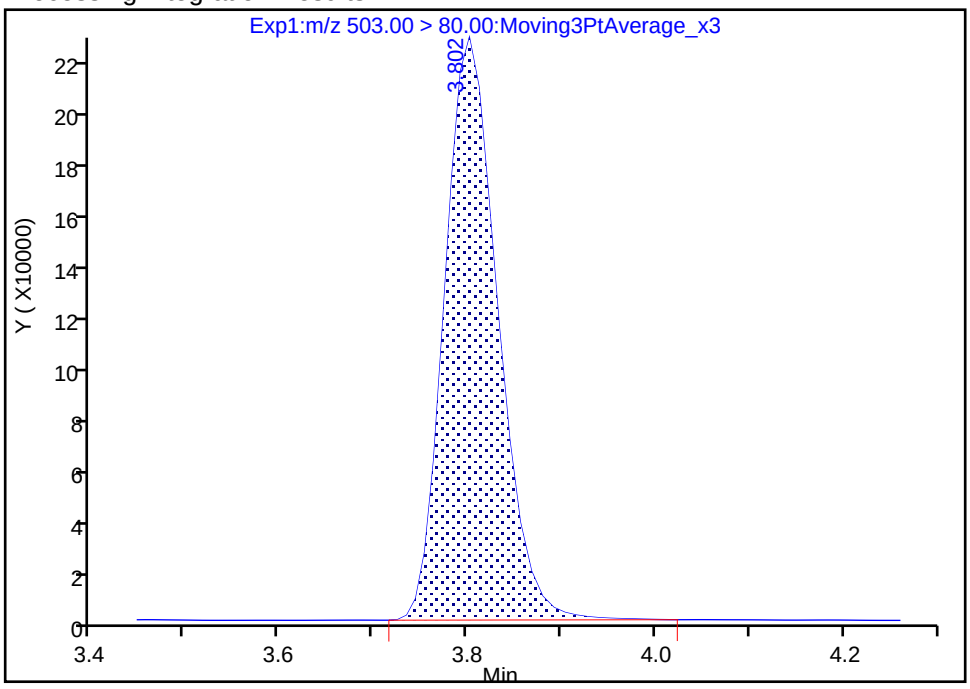
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 18 13C4 PFOS, CAS: STL00991

Signal: 1

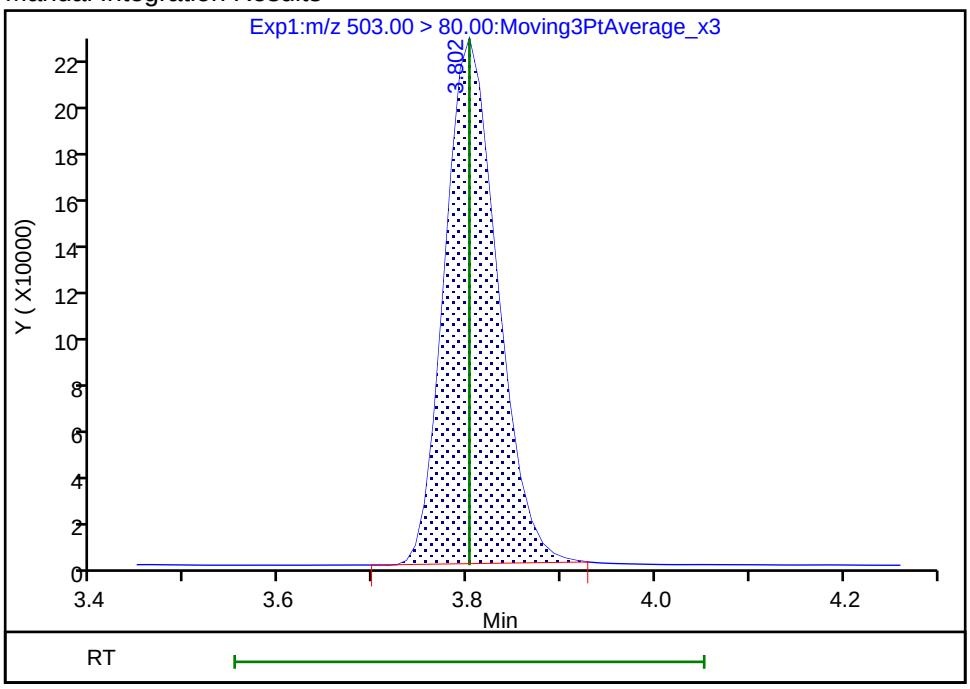
Processing Integration Results

RT: 3.80
Area: 877992
Amount: 1.046293
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 867294
Amount: 1.150672
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:48:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

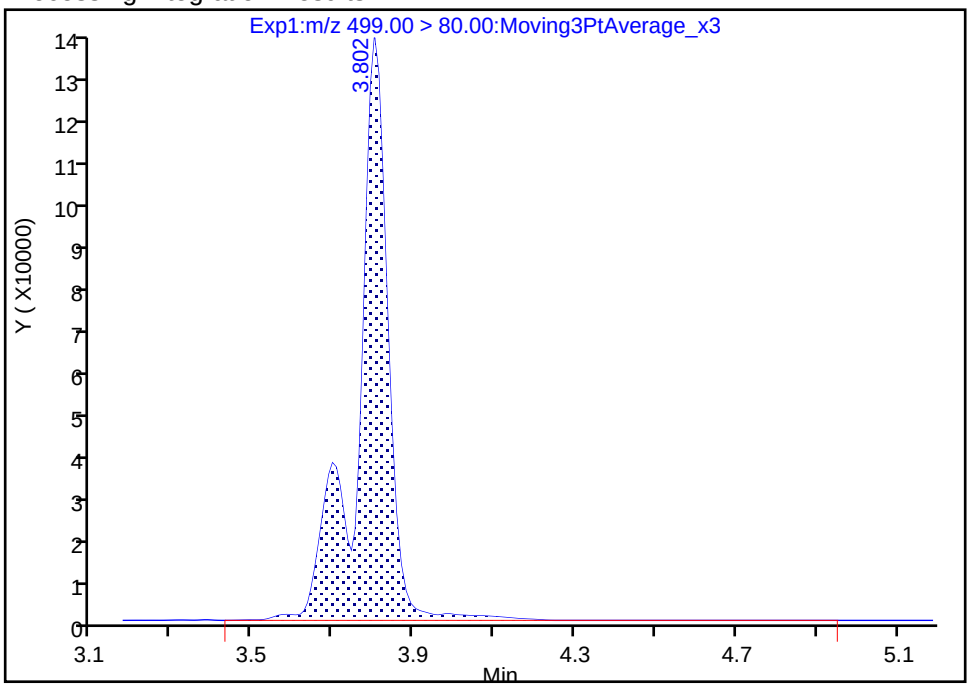
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d				
Injection Date:	03-Aug-2022 13:24:49	Instrument ID:	LC812		
Lims ID:	ICIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

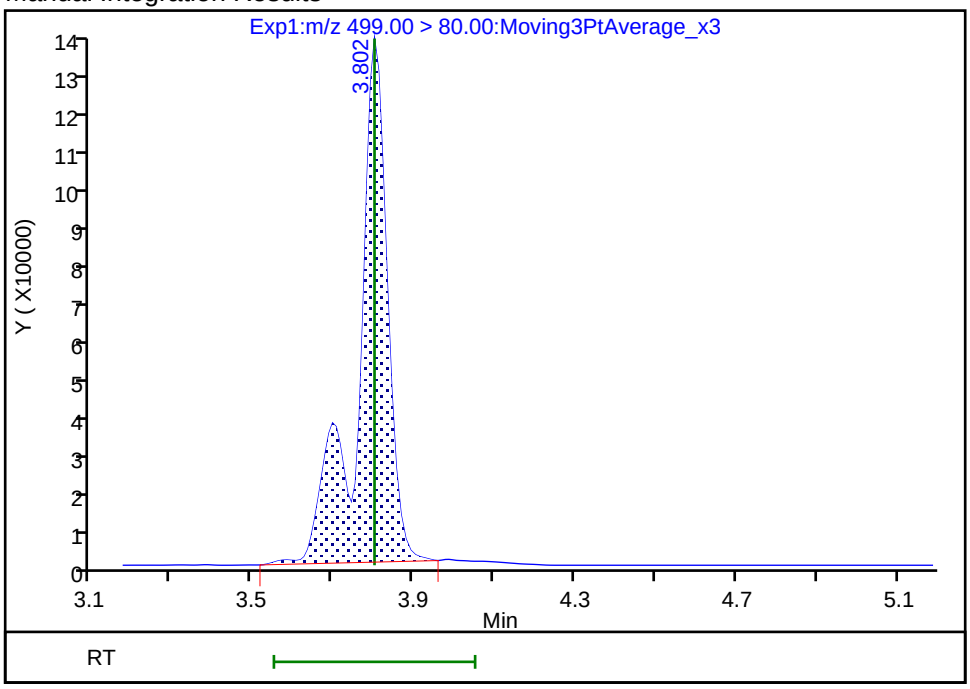
Processing Integration Results

RT: 3.80
Area: 712901
Amount: 0.877996
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 683046
Amount: 0.927442
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:48:28
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

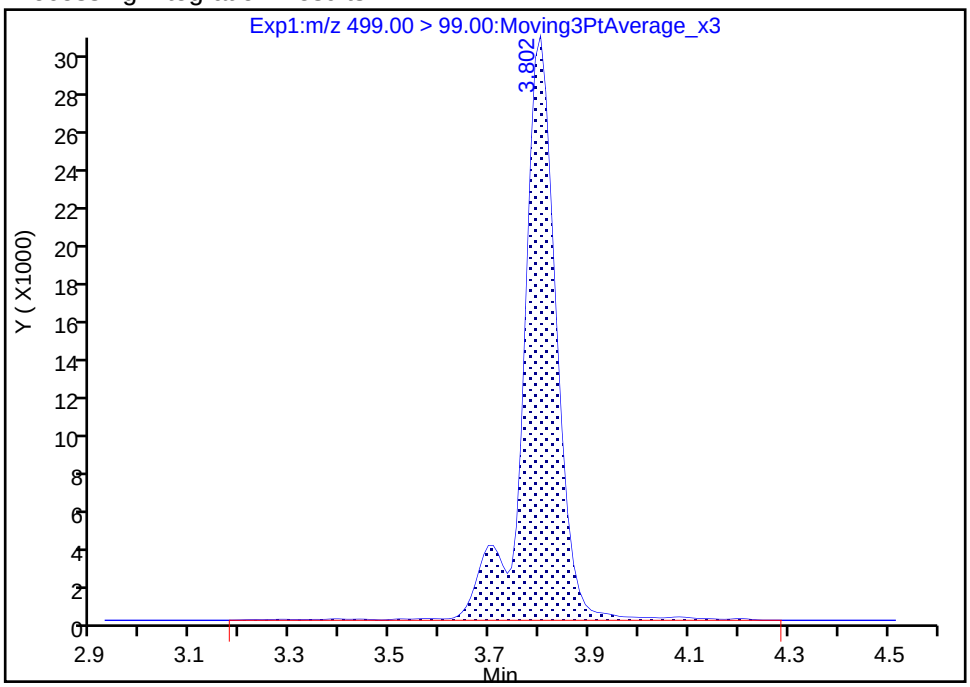
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d				
Injection Date:	03-Aug-2022 13:24:49	Instrument ID:	LC812		
Lims ID:	ICIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

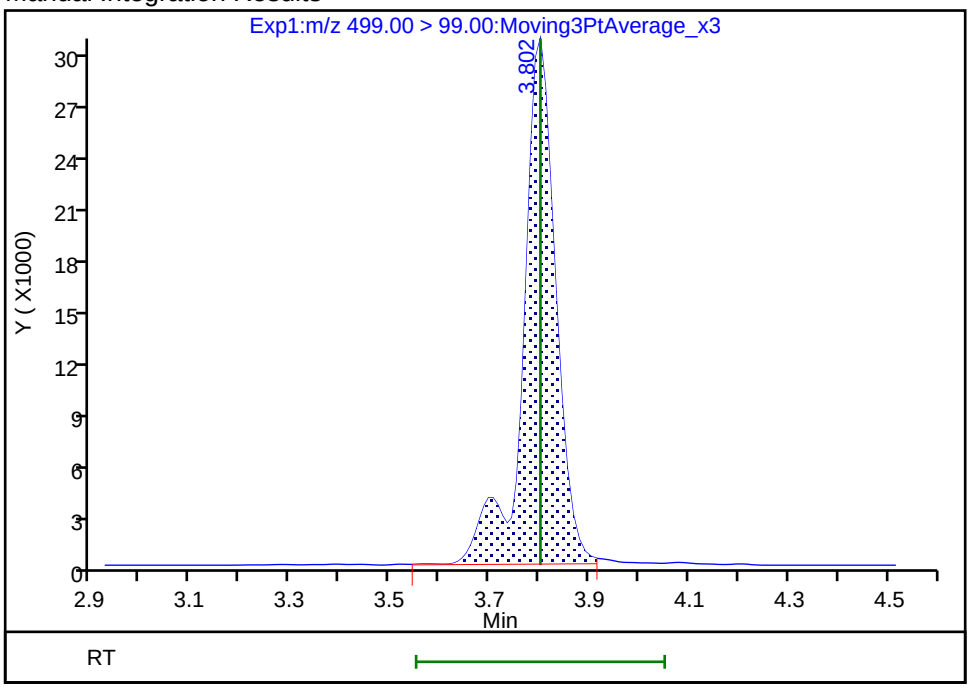
Processing Integration Results

RT: 3.80
Area: 144270
Amount: 0.877996
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 139901
Amount: 0.927442
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:48:43

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

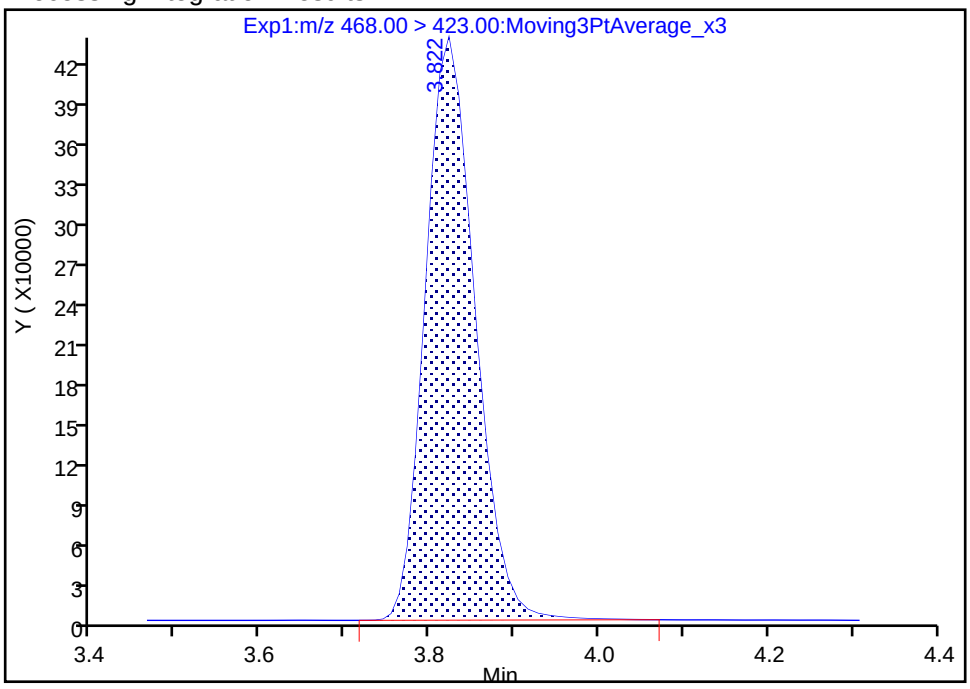
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d				
Injection Date:	03-Aug-2022 13:24:49	Instrument ID:	LC812		
Lims ID:	ICIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

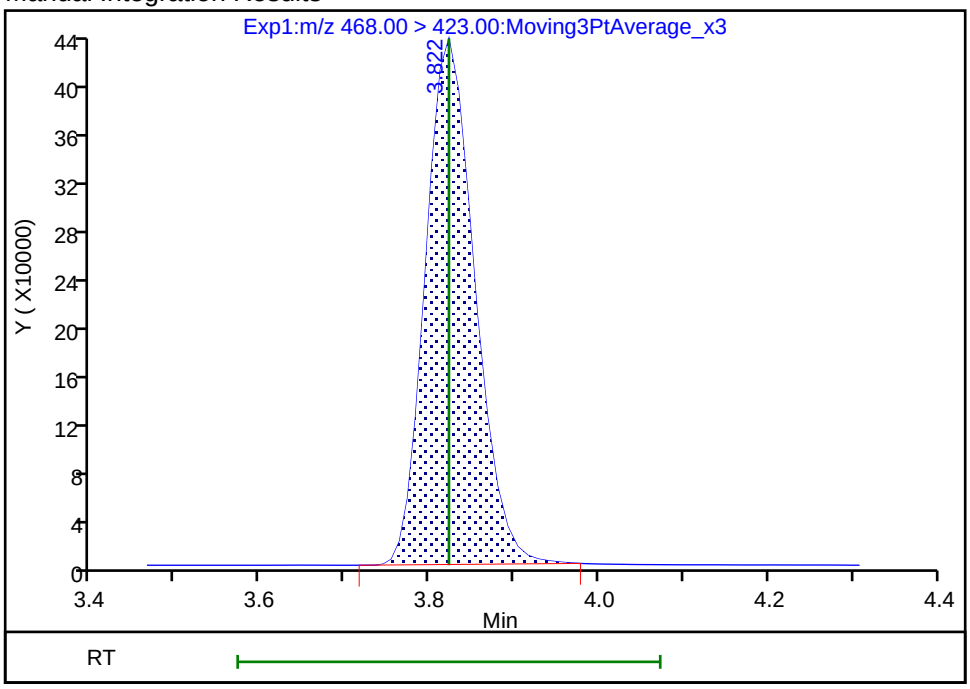
Processing Integration Results

RT: 3.82
Area: 1754240
Amount: 1.262437
Amount Units: ng/ml



Manual Integration Results

RT: 3.82
Area: 1743026
Amount: 1.275568
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:48:51

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

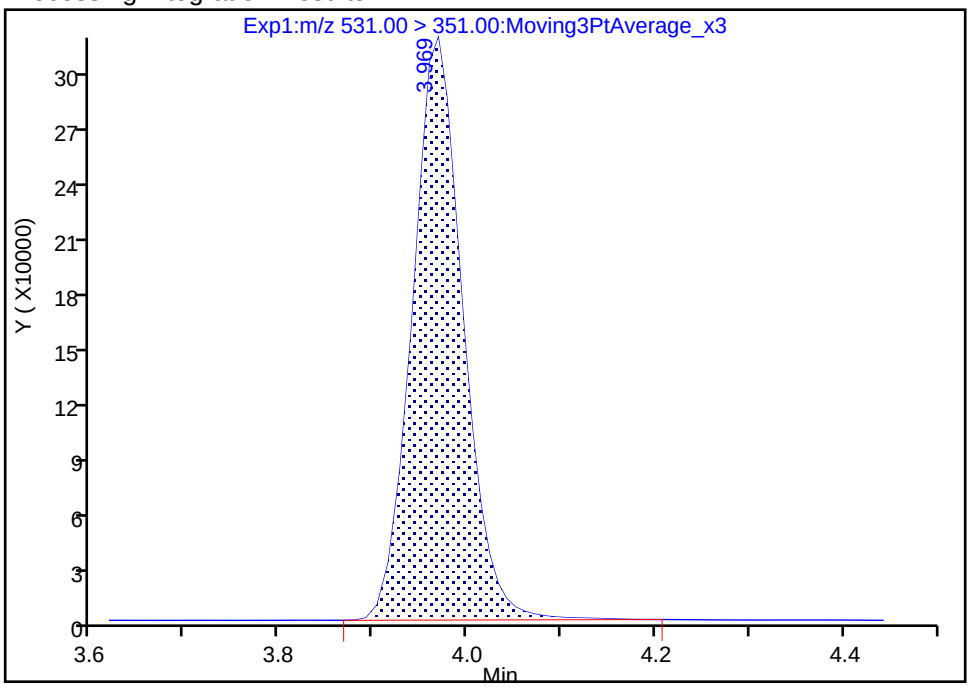
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

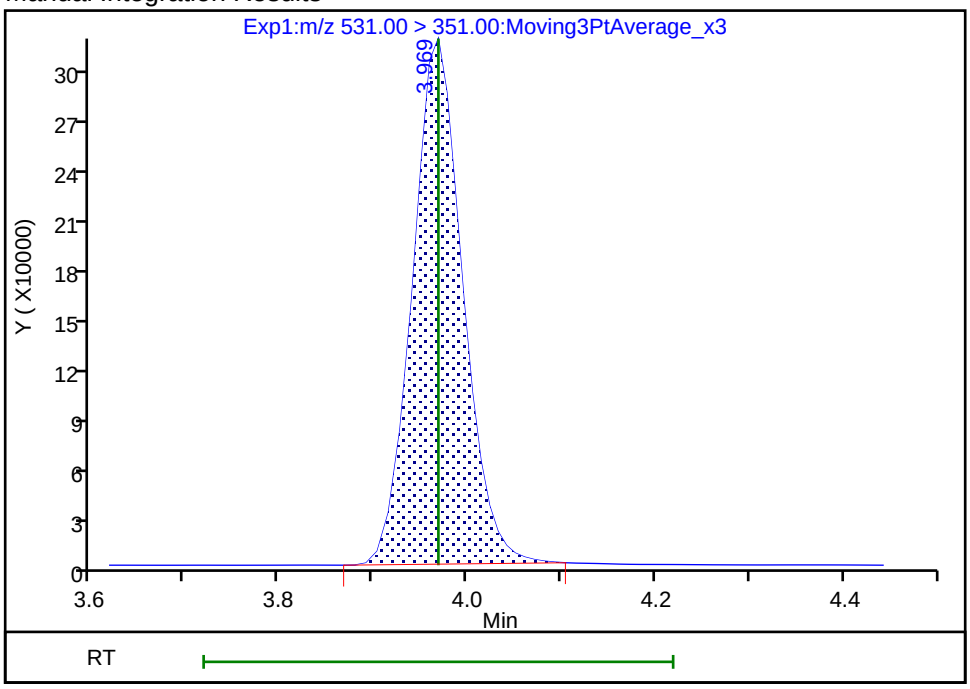
Processing Integration Results

RT: 3.97
Area: 1192706
Amount: 0.913809
Amount Units: ng/ml



Manual Integration Results

RT: 3.97
Area: 1181613
Amount: 0.921644
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:48:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

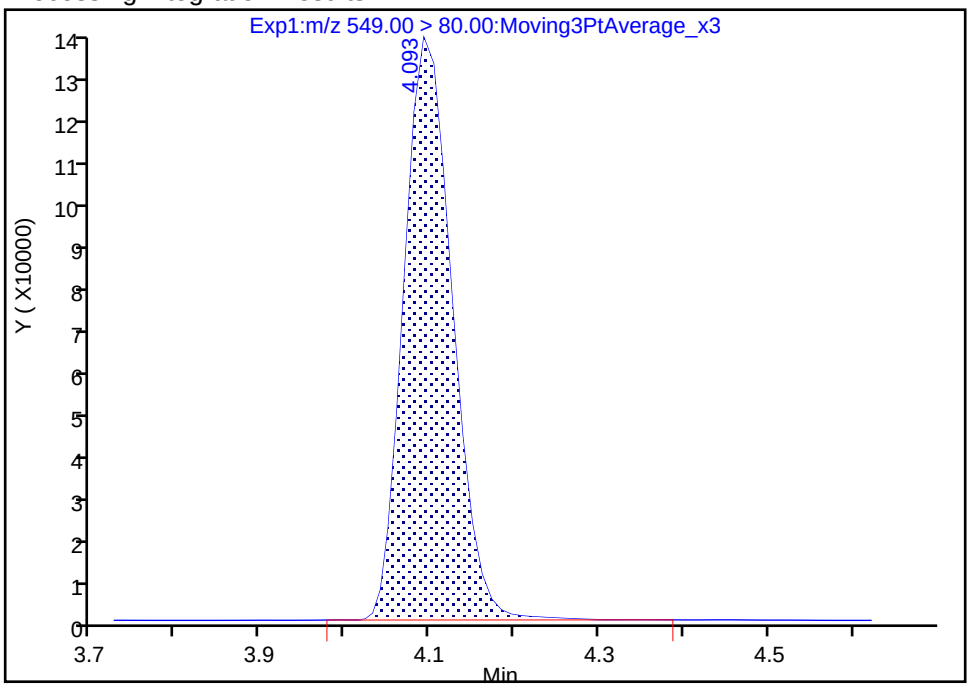
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d				
Injection Date:	03-Aug-2022 13:24:49	Instrument ID:	LC812		
Lims ID:	ICIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

68 Perfluorononanesulfonic acid, CAS: 68259-12-1

Signal: 1

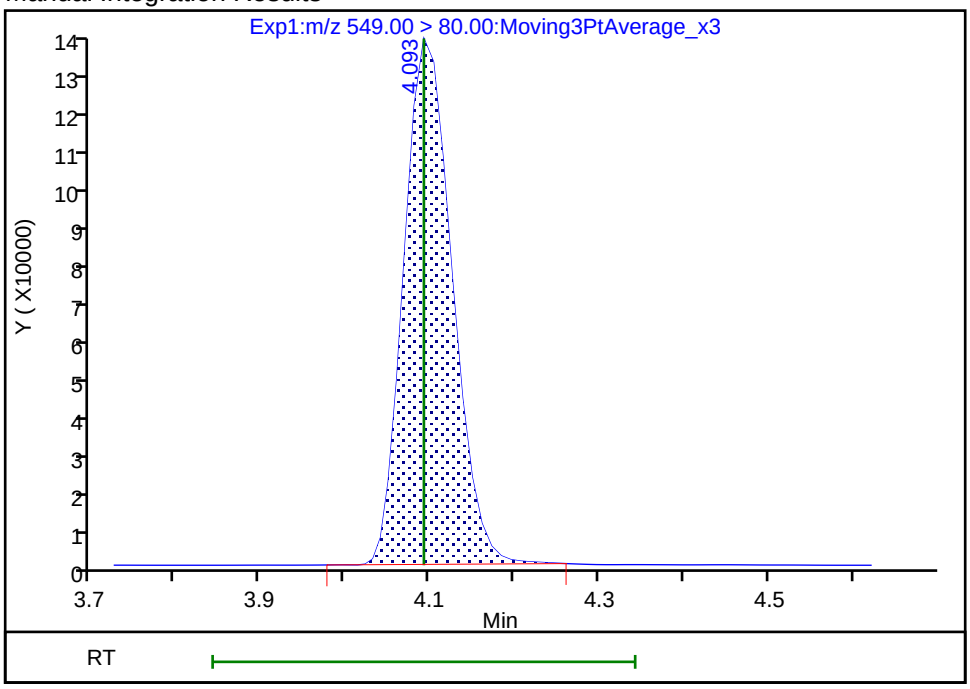
Processing Integration Results

RT: 4.09
Area: 536415
Amount: 0.936174
Amount Units: ng/ml



Manual Integration Results

RT: 4.09
Area: 533126
Amount: 0.938175
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:49:02

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

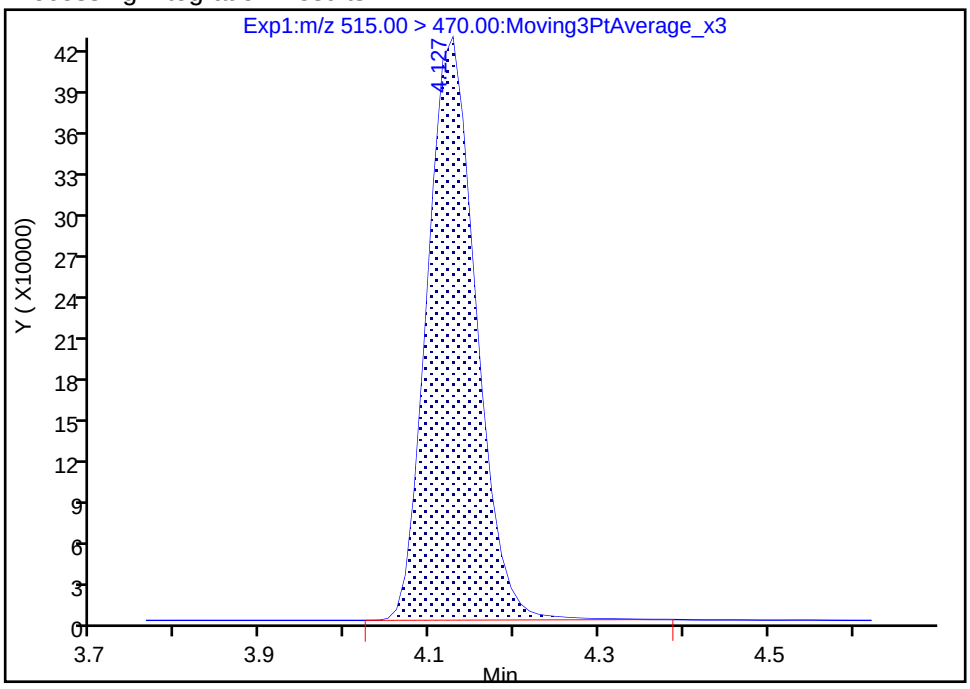
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d				
Injection Date:	03-Aug-2022 13:24:49	Instrument ID:	LC812		
Lims ID:	ICIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

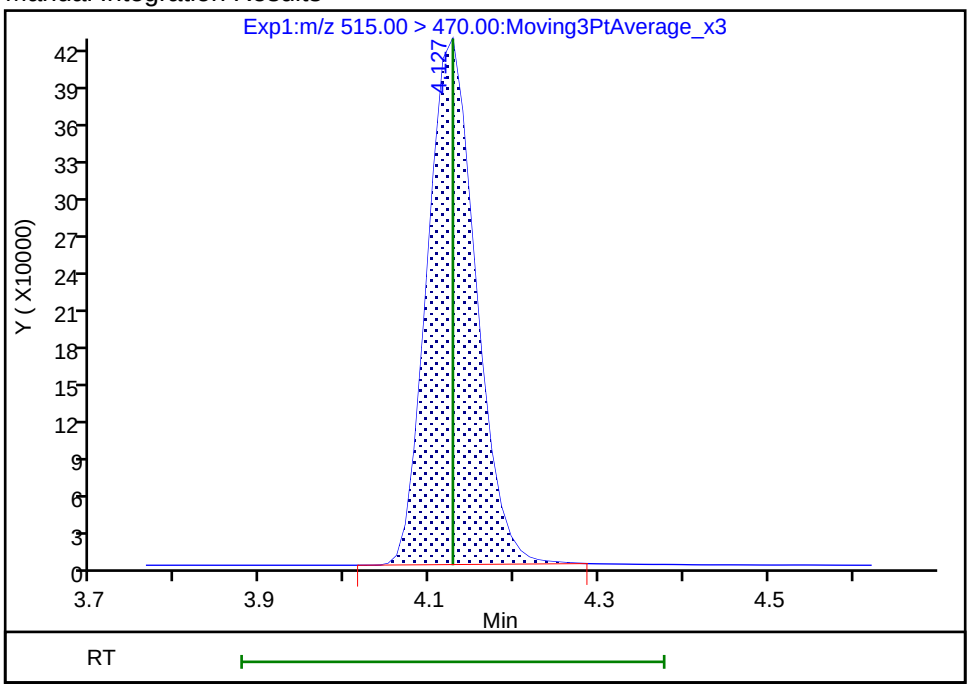
Processing Integration Results

RT: 4.13
Area: 1684120
Amount: 1.254981
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 1674653
Amount: 1.259235
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:49:08

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

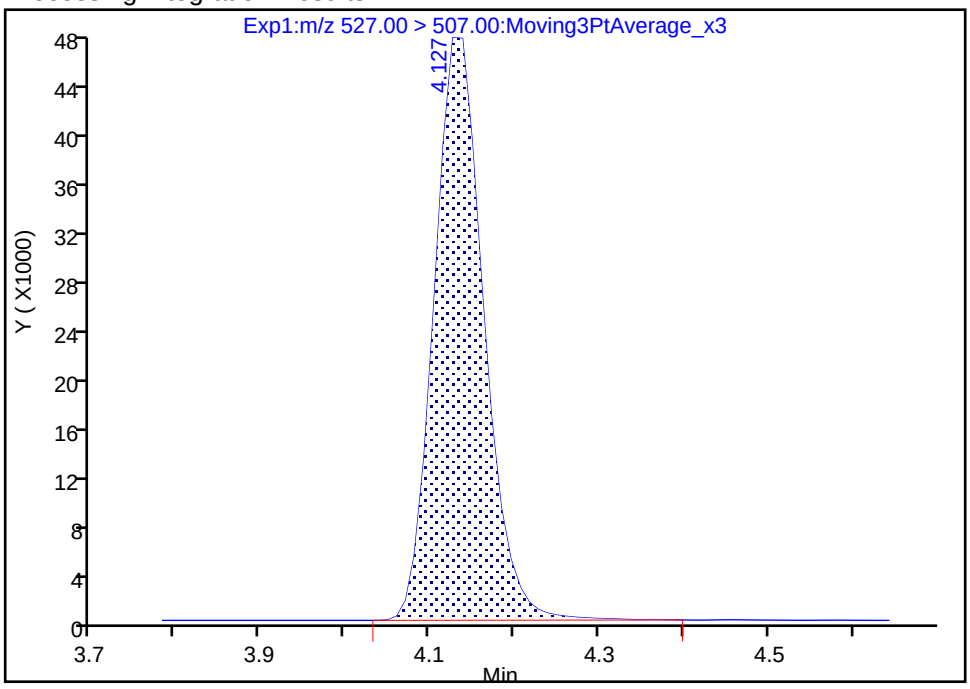
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

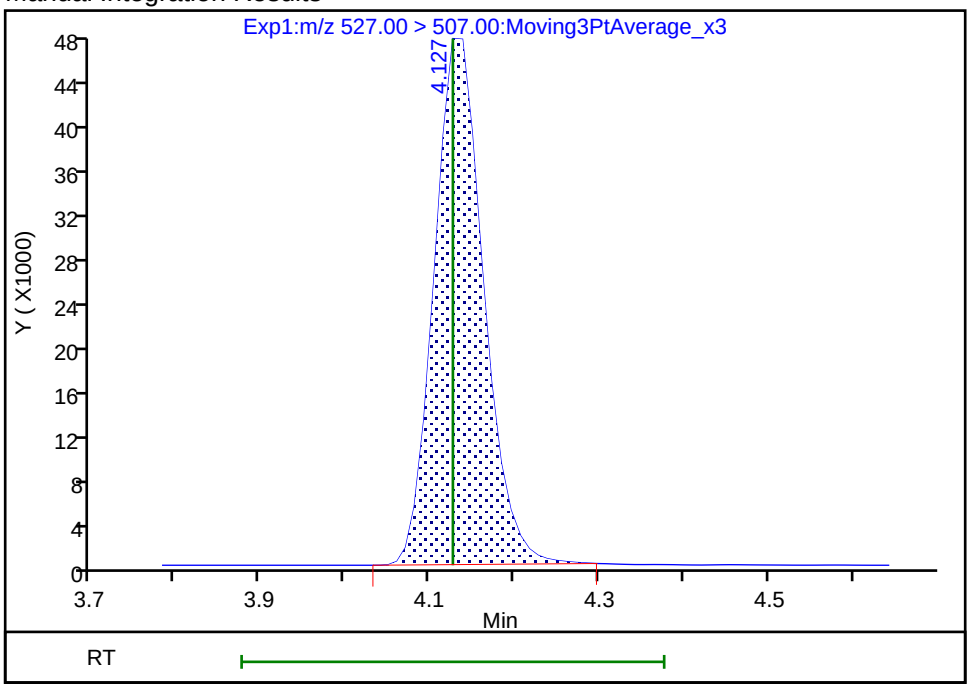
Processing Integration Results

RT: 4.13
Area: 195632
Amount: 0.962052
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 194268
Amount: 1.001467
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:49:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

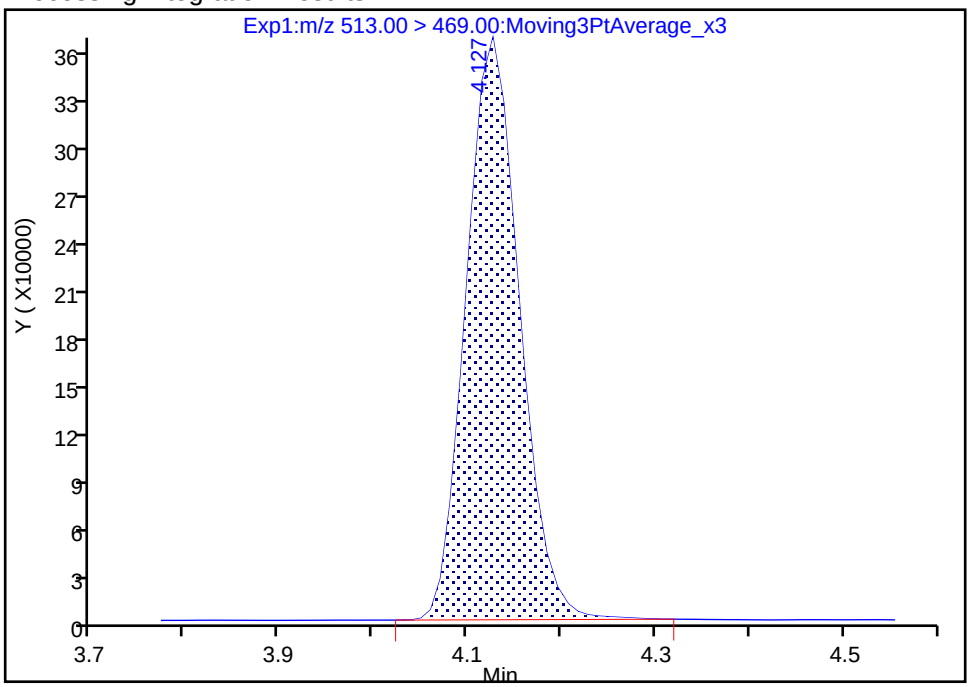
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

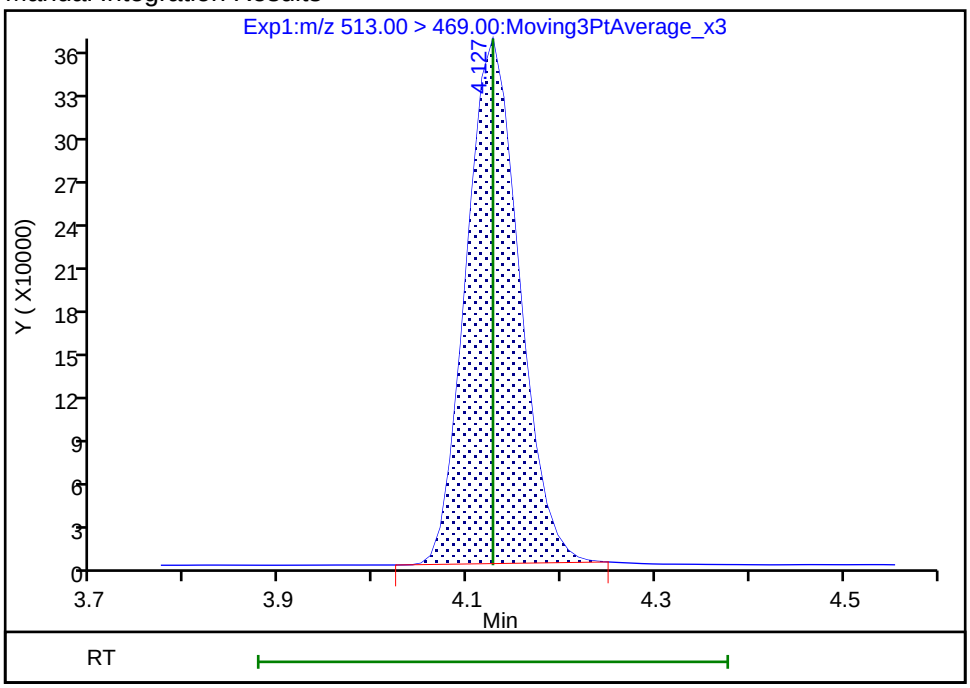
Processing Integration Results

RT: 4.13
Area: 1428368
Amount: 1.006144
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 1414392
Amount: 1.003838
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:49:17
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

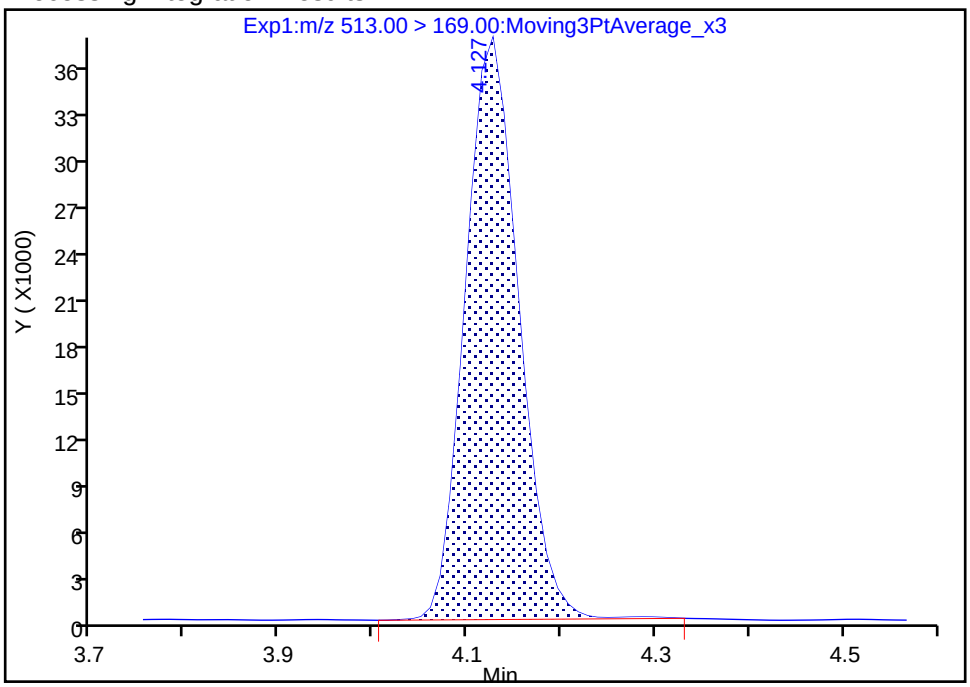
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d				
Injection Date:	03-Aug-2022 13:24:49	Instrument ID:	LC812		
Lims ID:	ICIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

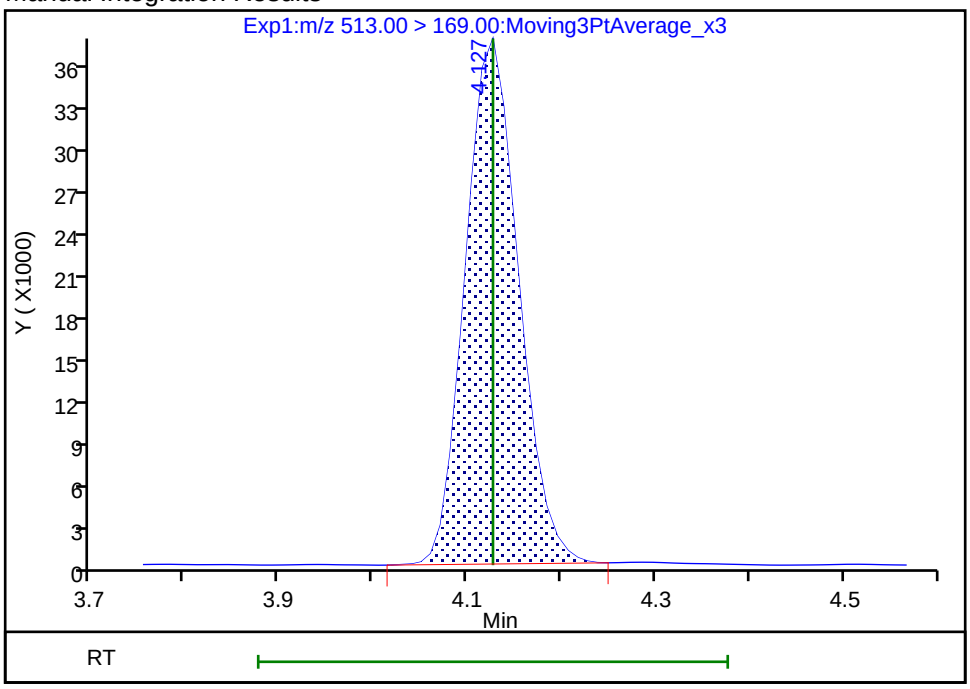
Processing Integration Results

RT: 4.13
Area: 147199
Amount: 1.006144
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 146317
Amount: 1.003838
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:49:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

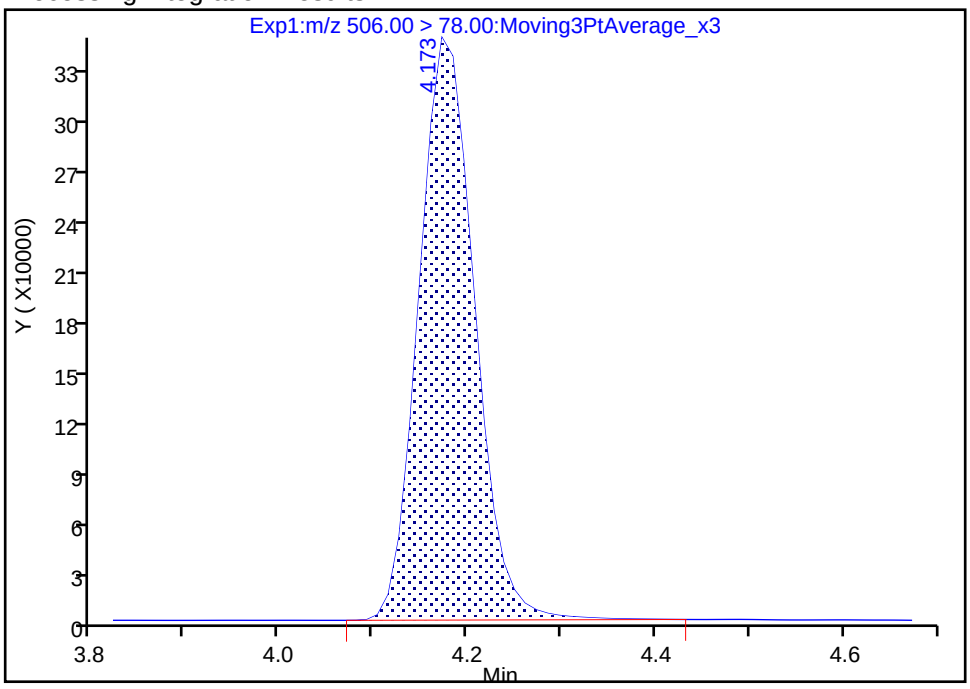
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d				
Injection Date:	03-Aug-2022 13:24:49	Instrument ID:	LC812		
Lims ID:	ICIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

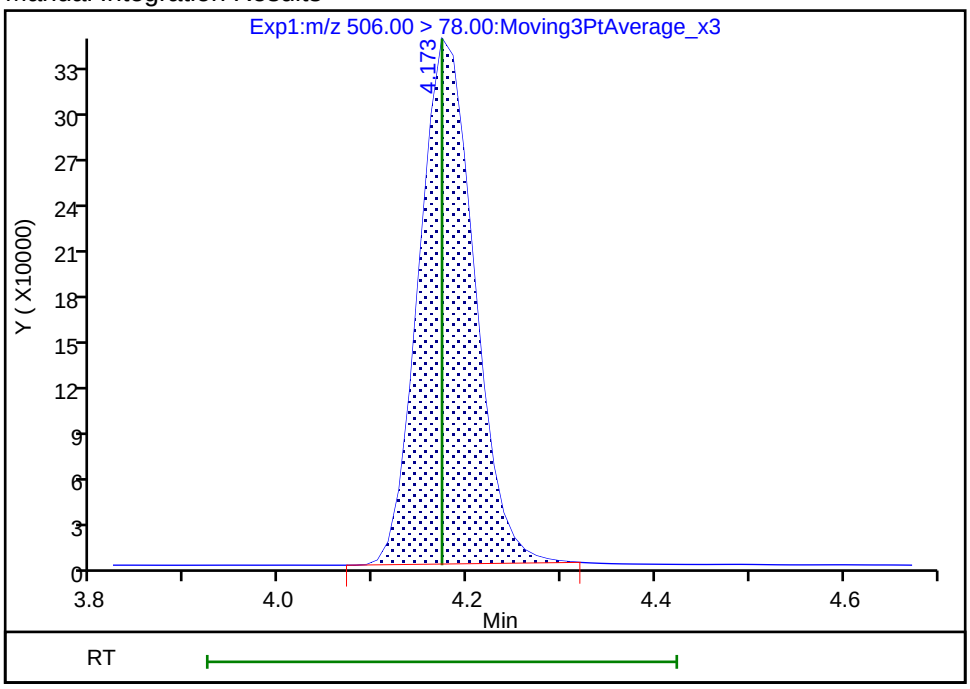
Processing Integration Results

RT: 4.17
Area: 1401019
Amount: 1.082534
Amount Units: ng/ml



Manual Integration Results

RT: 4.17
Area: 1386621
Amount: 1.191298
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:49:33

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

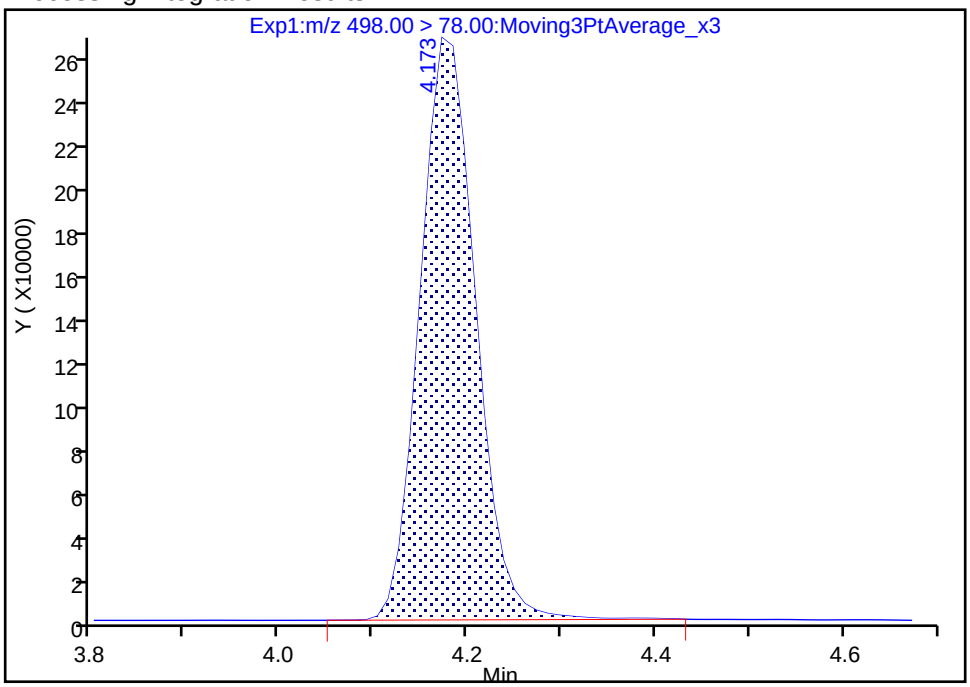
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

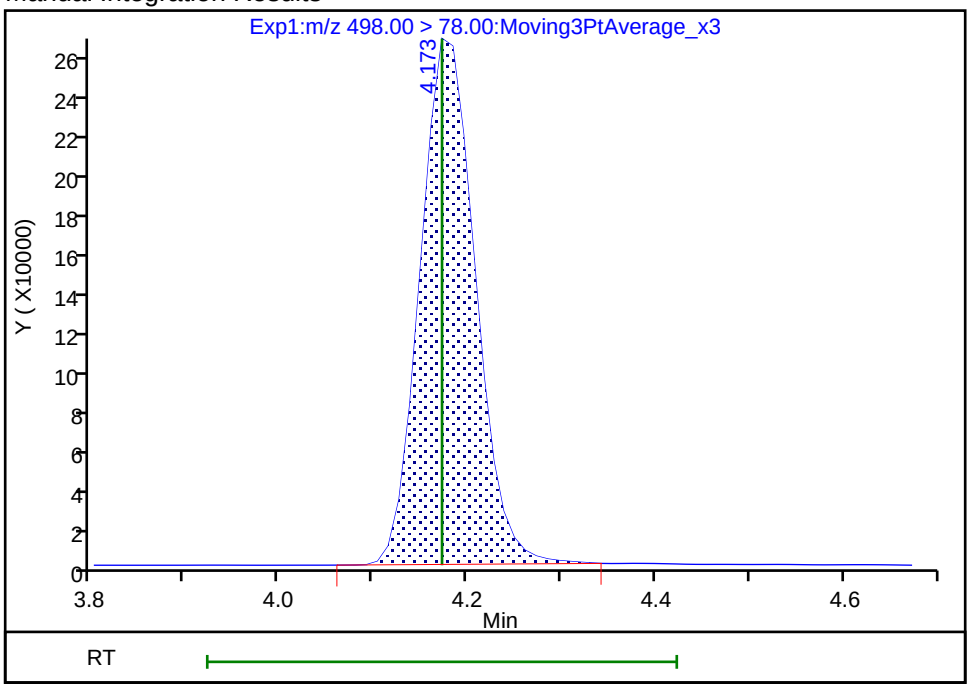
Processing Integration Results

RT: 4.17
Area: 1101851
Amount: 0.976900
Amount Units: ng/ml



Manual Integration Results

RT: 4.17
Area: 1095271
Amount: 0.968938
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:49:39
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

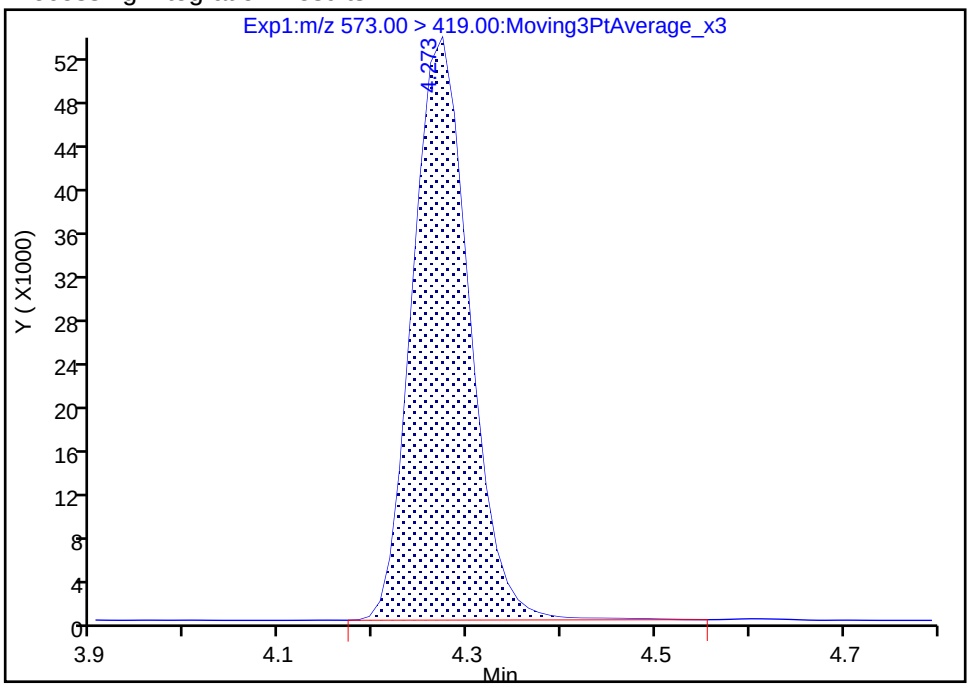
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

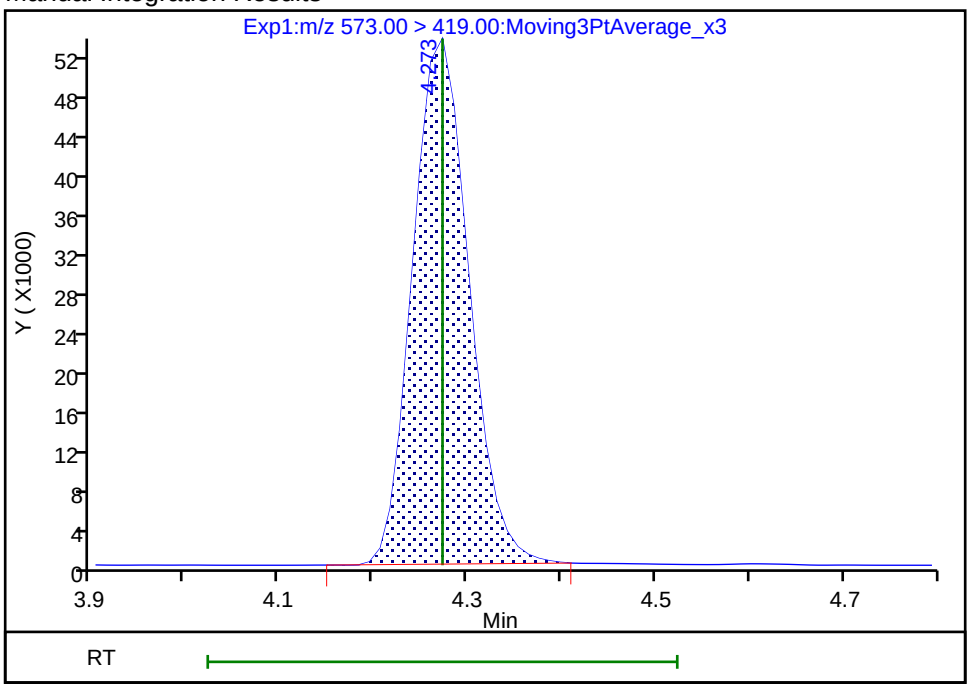
Processing Integration Results

RT: 4.27
Area: 224901
Amount: 1.235750
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 222702
Amount: 1.249393
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:49:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

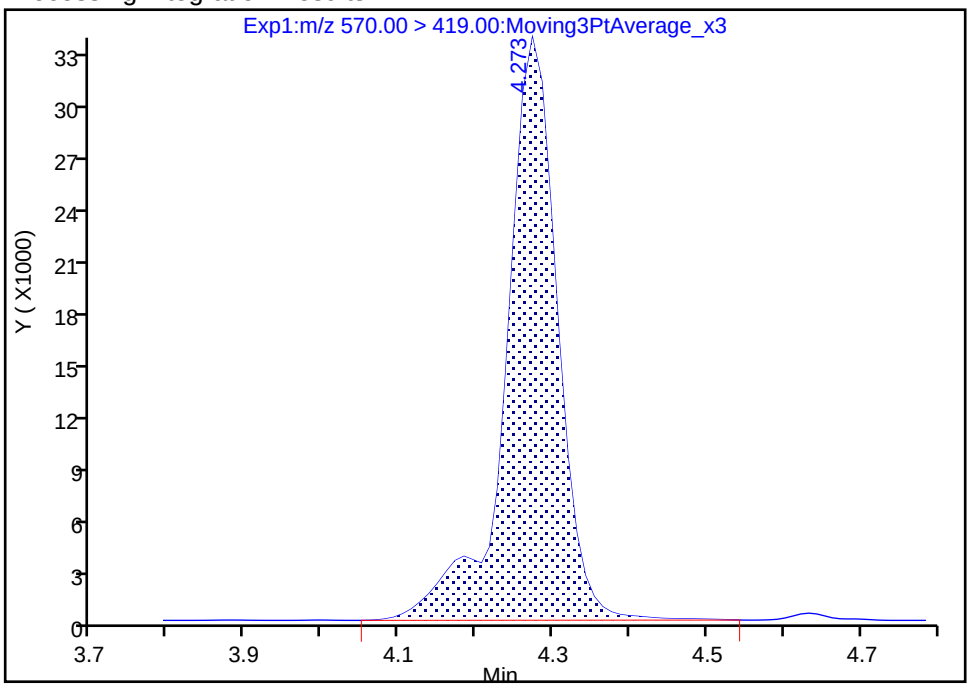
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

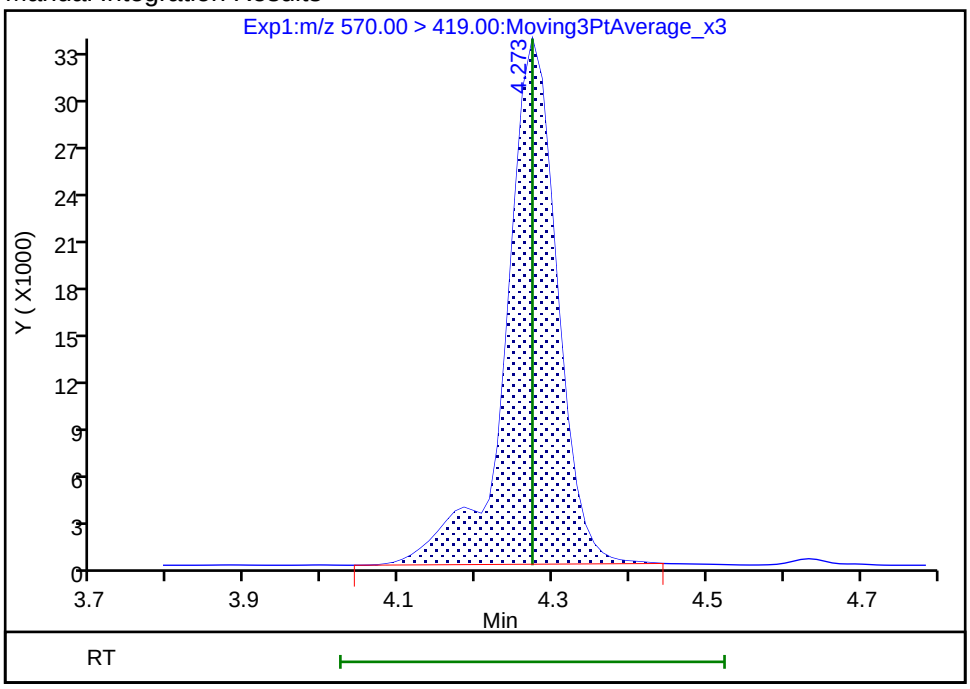
Processing Integration Results

RT: 4.27
Area: 155449
Amount: 0.981776
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 153984
Amount: 0.973182
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:49:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

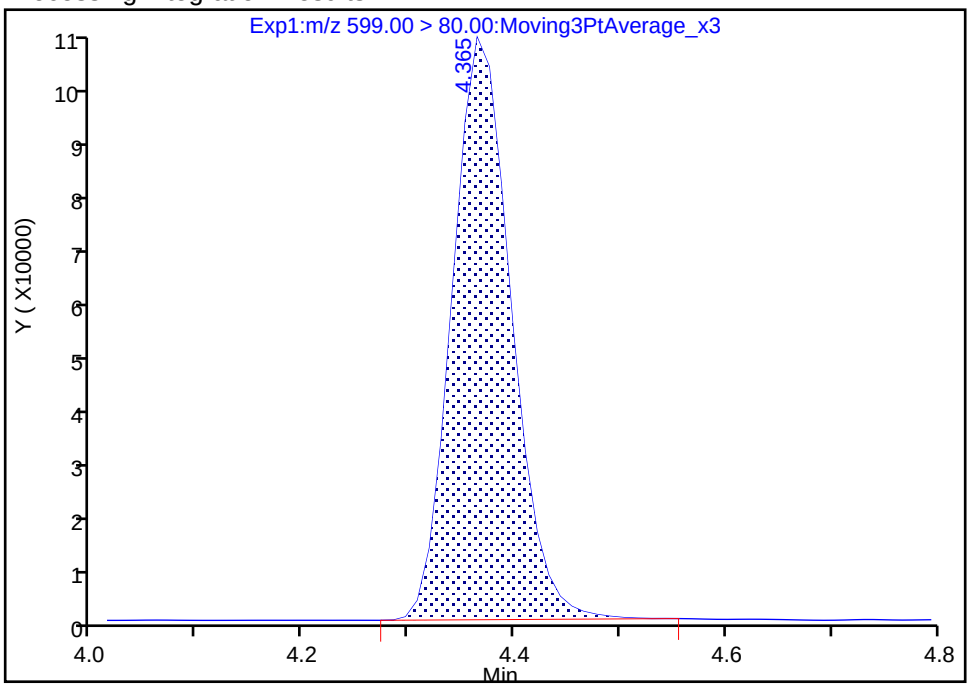
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

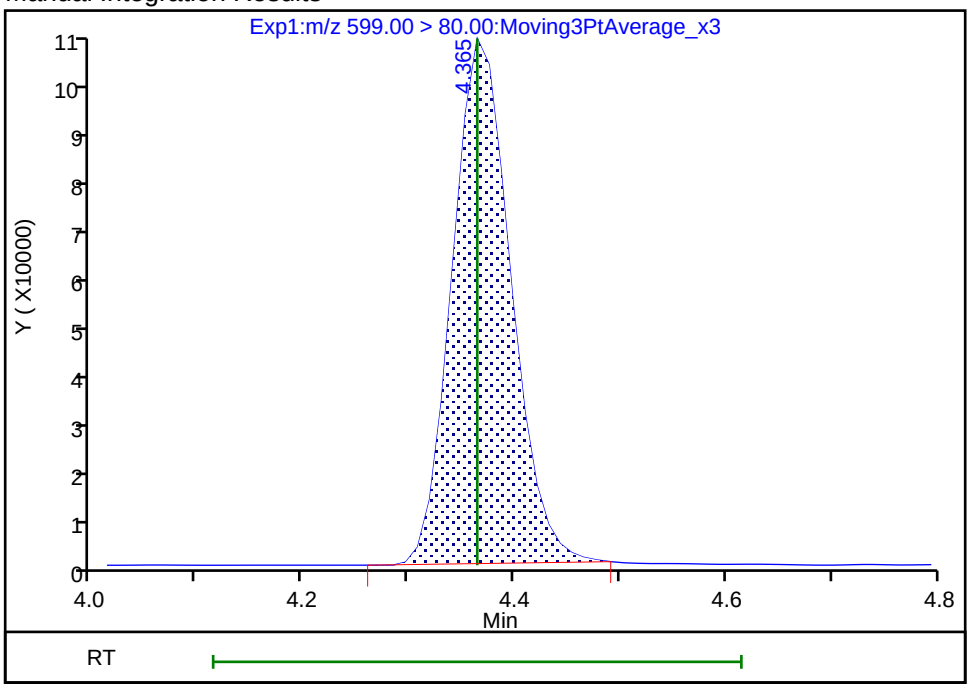
Processing Integration Results

RT: 4.36
Area: 418358
Amount: 0.964624
Amount Units: ng/ml



Manual Integration Results

RT: 4.36
Area: 414469
Amount: 0.980127
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:49:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d

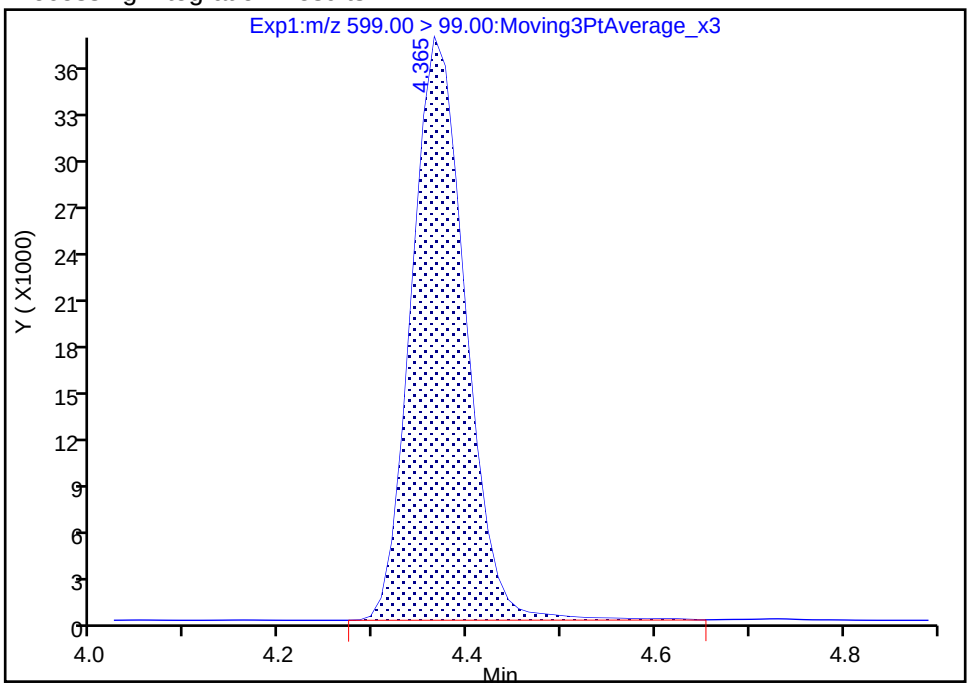
Injection Date:	03-Aug-2022 13:24:49	Instrument ID:	LC812		
Lims ID:	ICIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

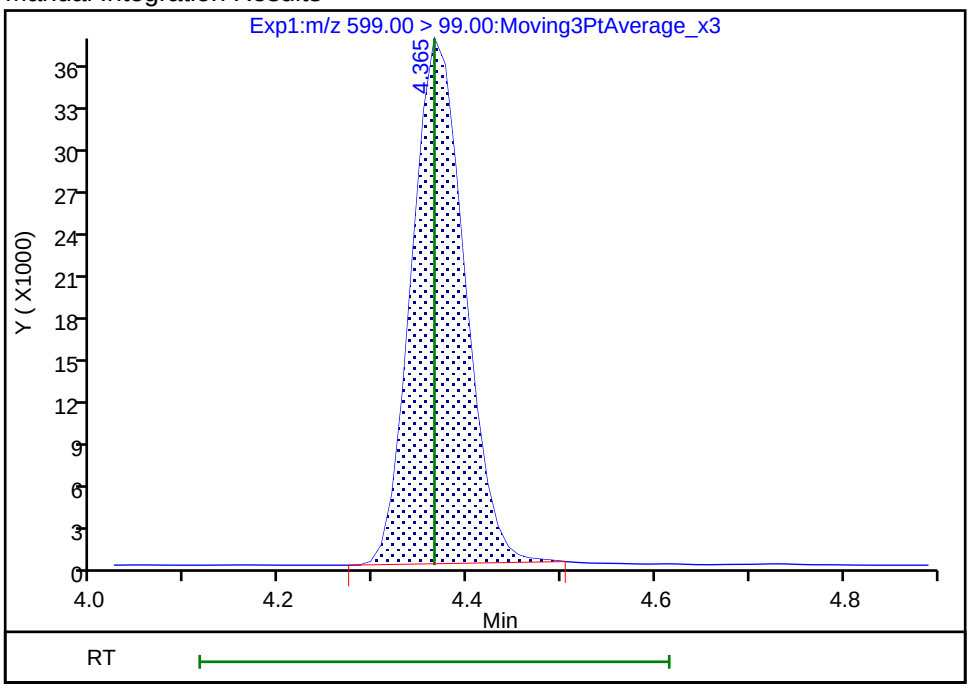
Processing Integration Results

RT: 4.36
Area: 150492
Amount: 0.964624
Amount Units: ng/ml



Manual Integration Results

RT: 4.36
Area: 147870
Amount: 0.980127
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:49:59

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

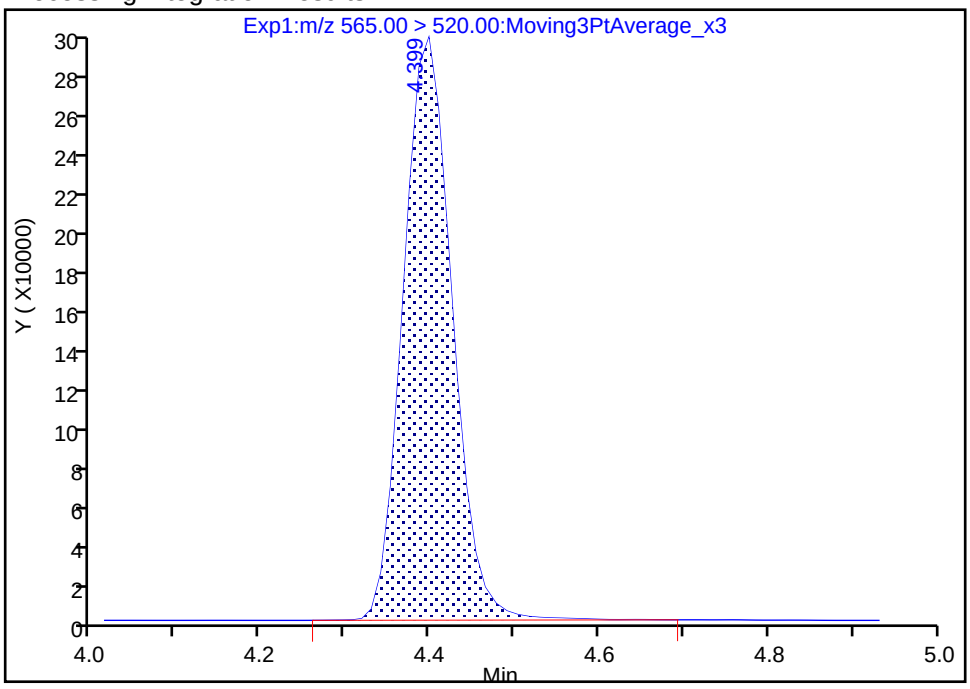
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

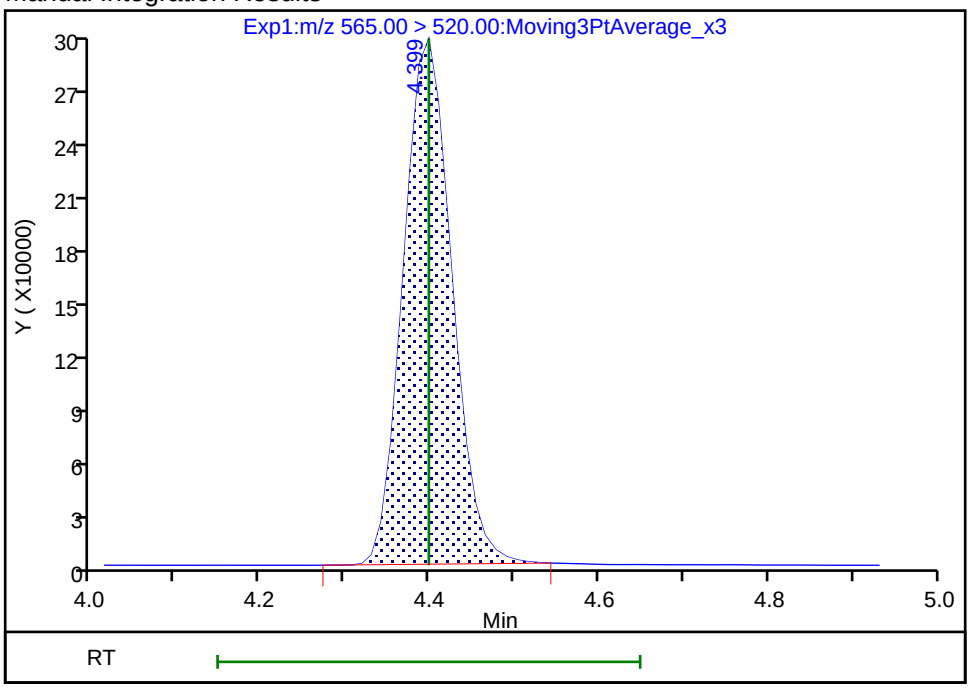
Processing Integration Results

RT: 4.40
Area: 1197435
Amount: 1.154017
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 1185895
Amount: 1.176912
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:50:06
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

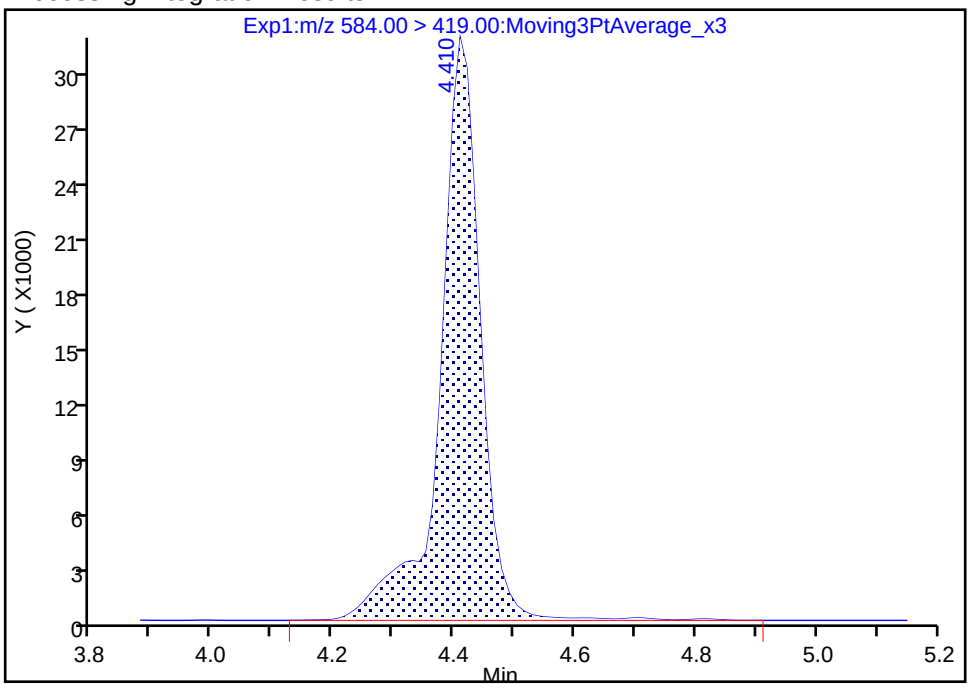
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

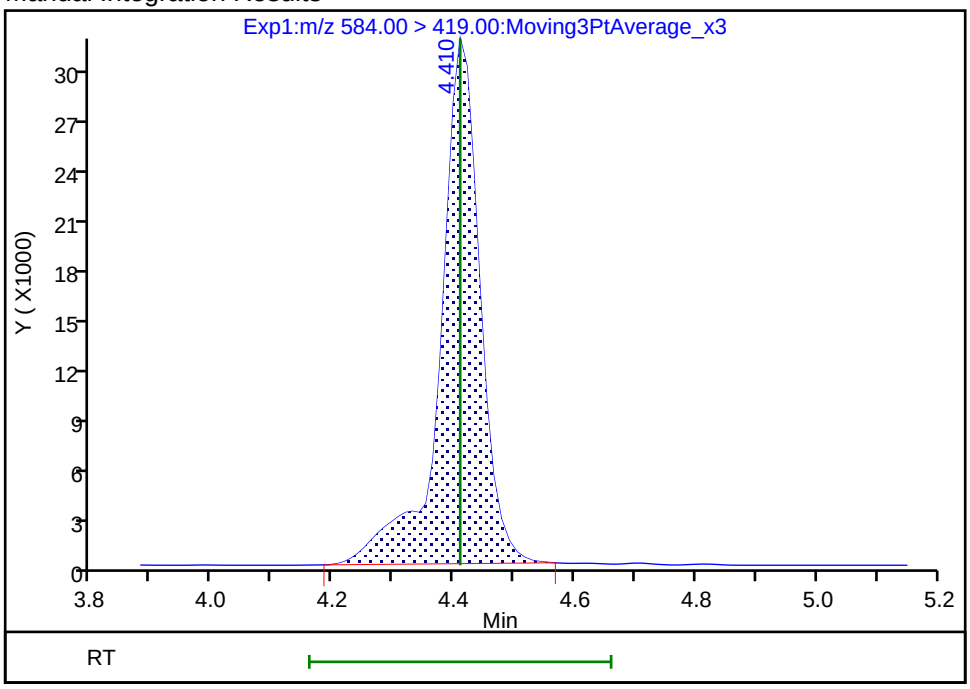
Processing Integration Results

RT: 4.41
Area: 147459
Amount: 0.972934
Amount Units: ng/ml



Manual Integration Results

RT: 4.41
Area: 144142
Amount: 0.961142
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:50:11
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

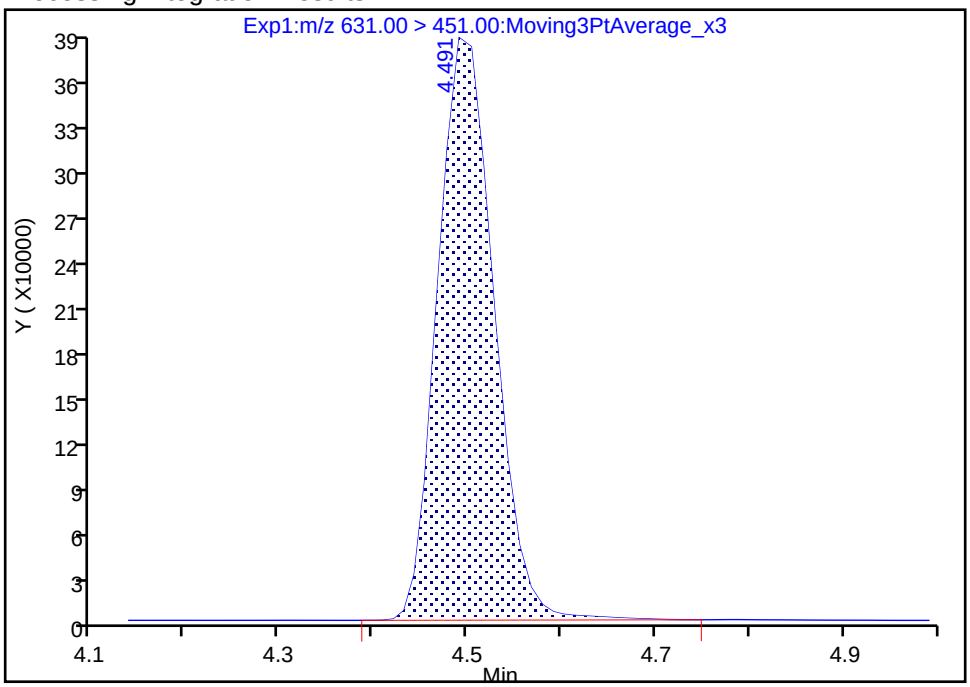
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d				
Injection Date:	03-Aug-2022 13:24:49	Instrument ID:	LC812		
Lims ID:	ICIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

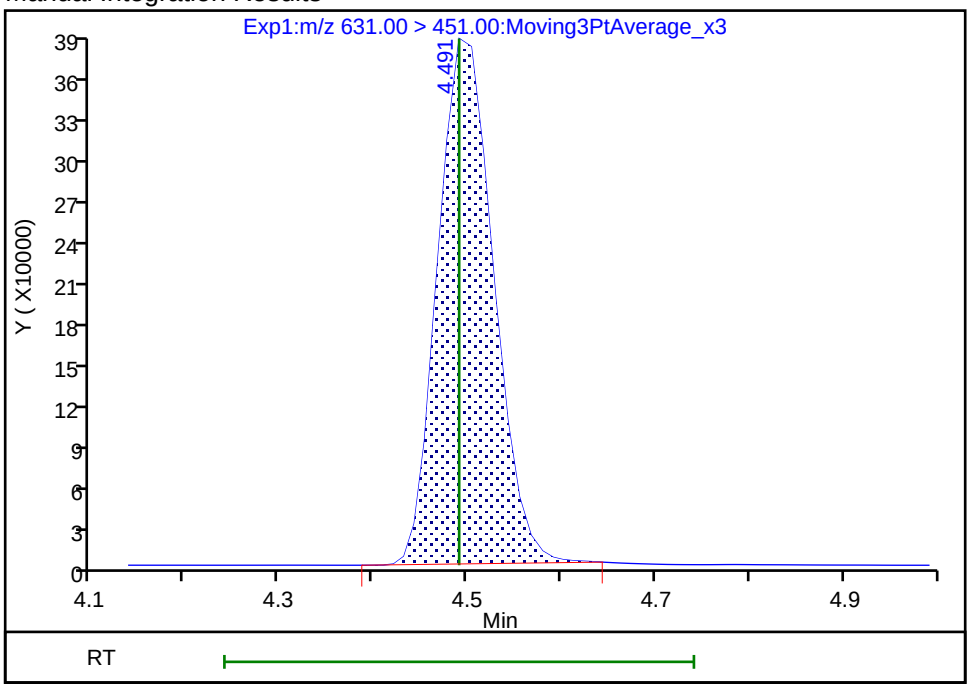
Processing Integration Results

RT: 4.49
Area: 1603983
Amount: 0.937988
Amount Units: ng/ml



Manual Integration Results

RT: 4.49
Area: 1584274
Amount: 0.949418
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:50:16

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

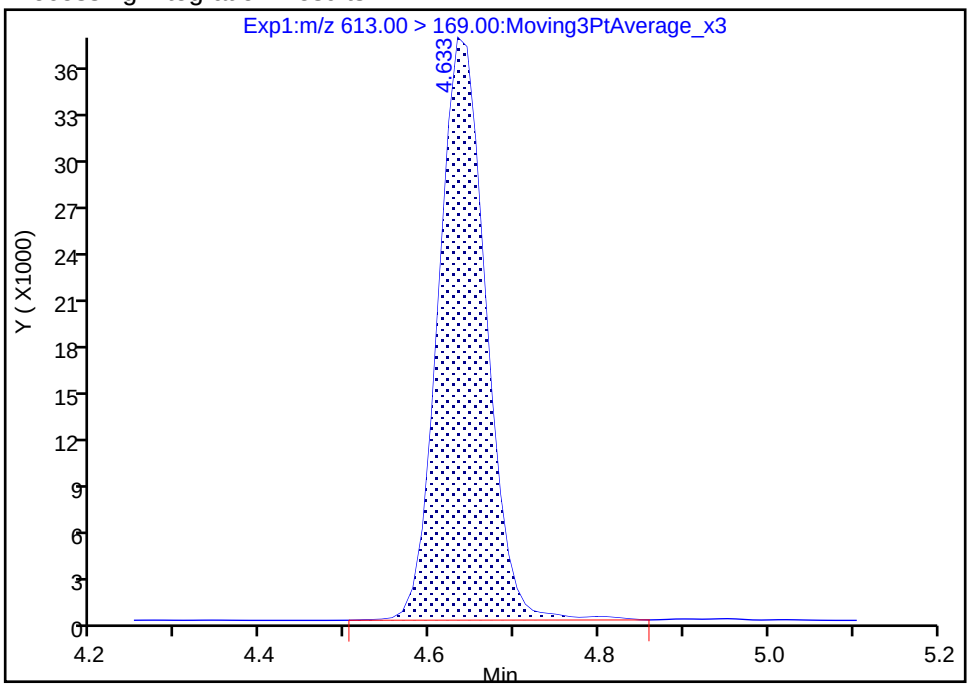
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

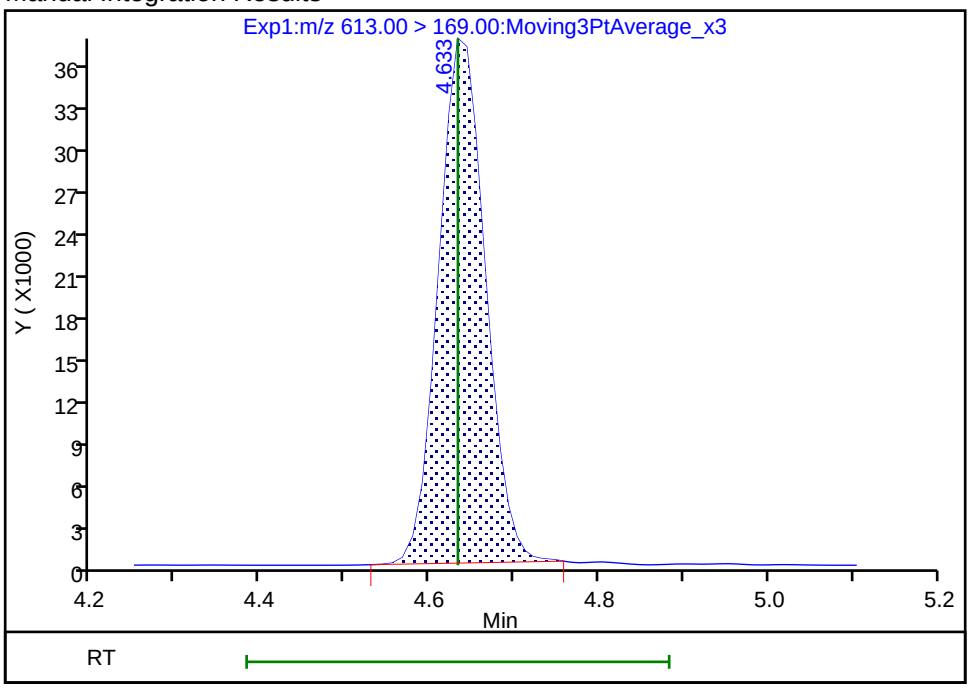
Processing Integration Results

RT: 4.63
Area: 147597
Amount: 0.988647
Amount Units: ng/ml



Manual Integration Results

RT: 4.63
Area: 144662
Amount: 0.995608
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:50:24
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

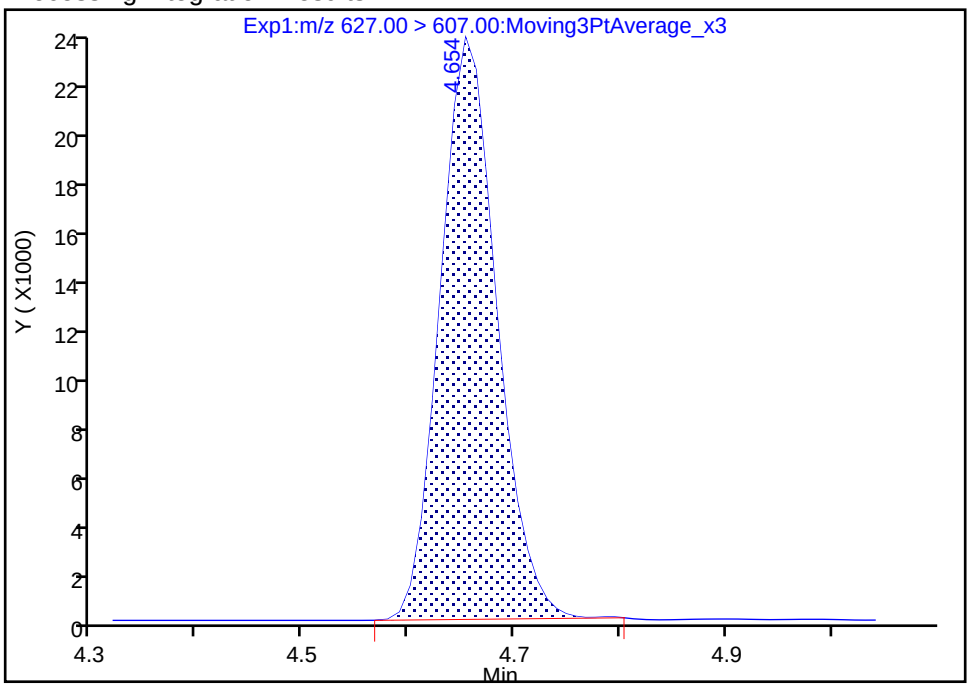
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

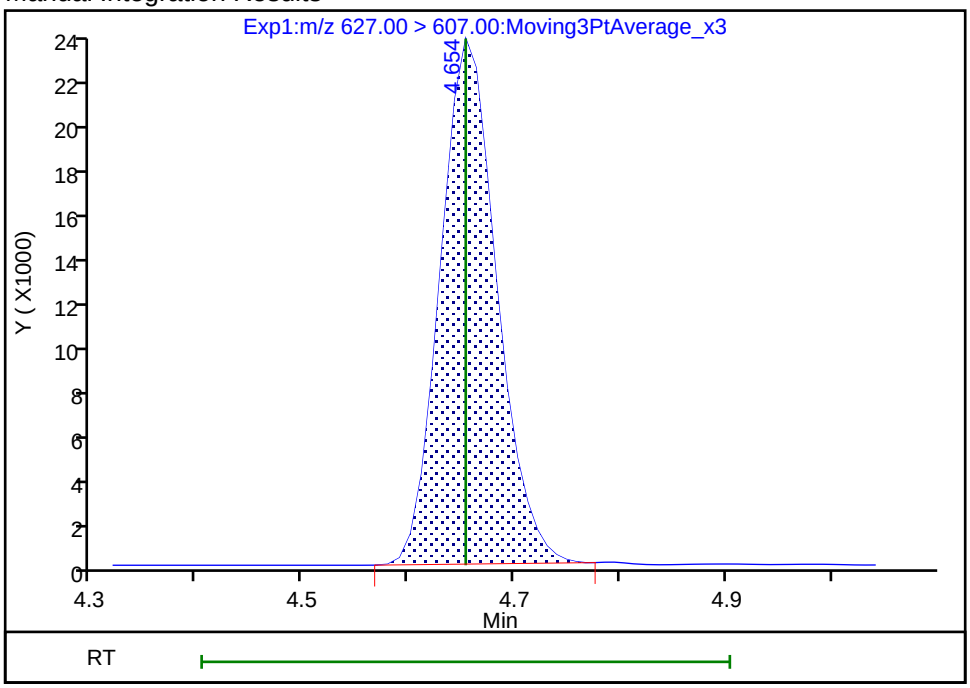
Processing Integration Results

RT: 4.65
Area: 88661
Amount: 0.885221
Amount Units: ng/ml



Manual Integration Results

RT: 4.65
Area: 88428
Amount: 0.975772
Amount Units: ng/ml



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

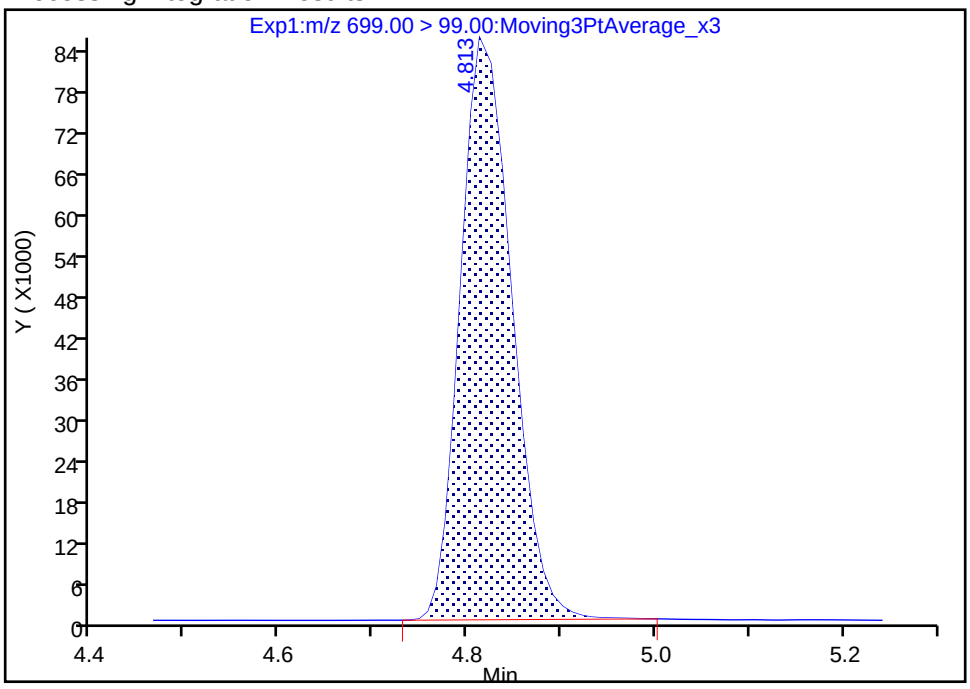
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 2

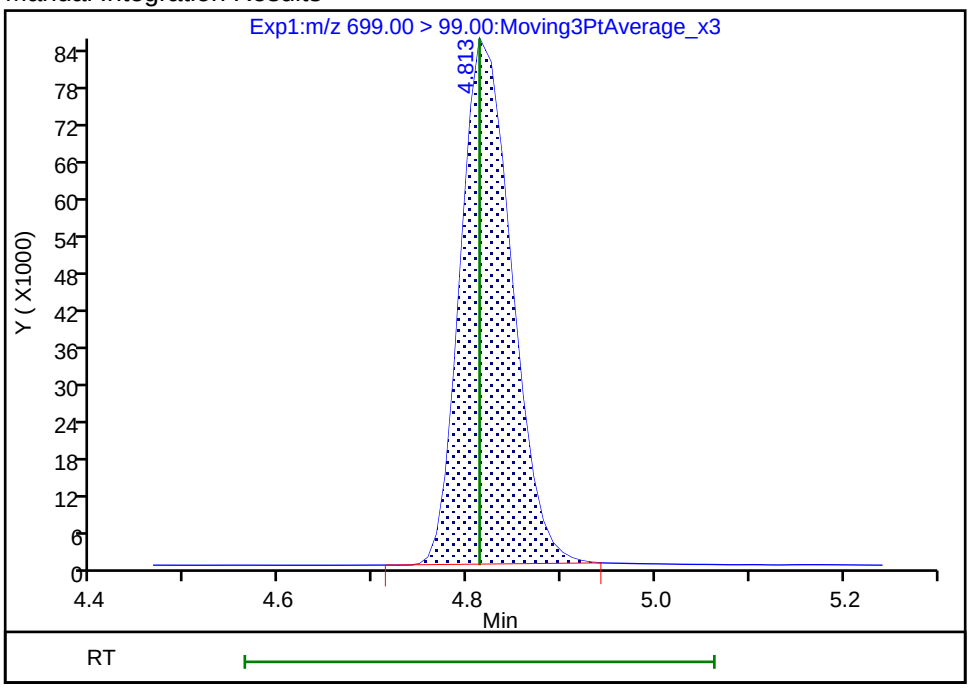
Processing Integration Results

RT: 4.81
Area: 325434
Amount: 0.871049
Amount Units: ng/ml



Manual Integration Results

RT: 4.81
Area: 323544
Amount: 0.902190
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:50:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

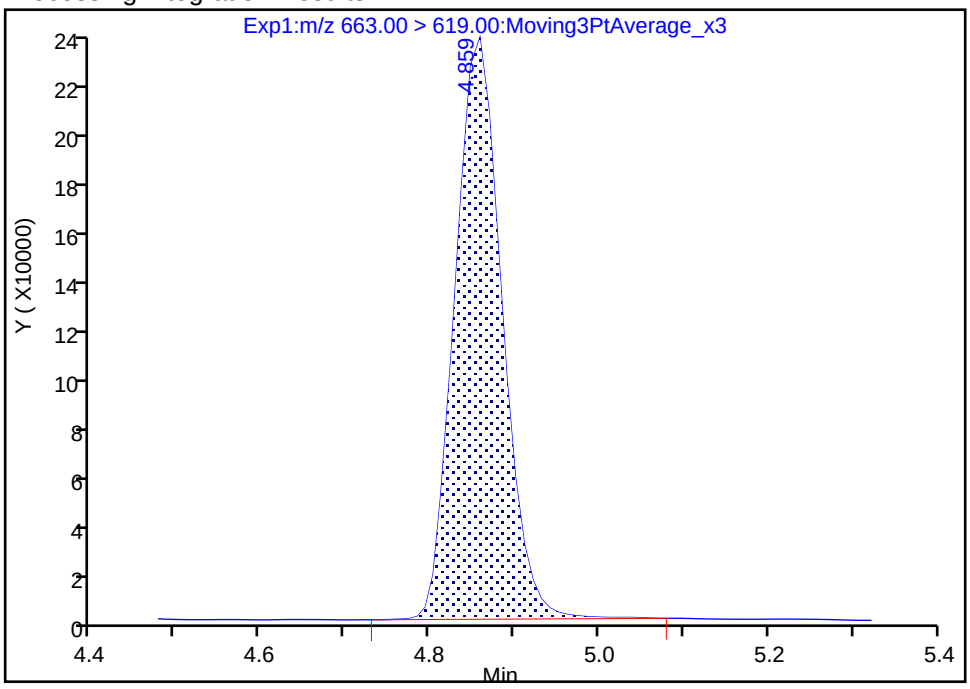
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

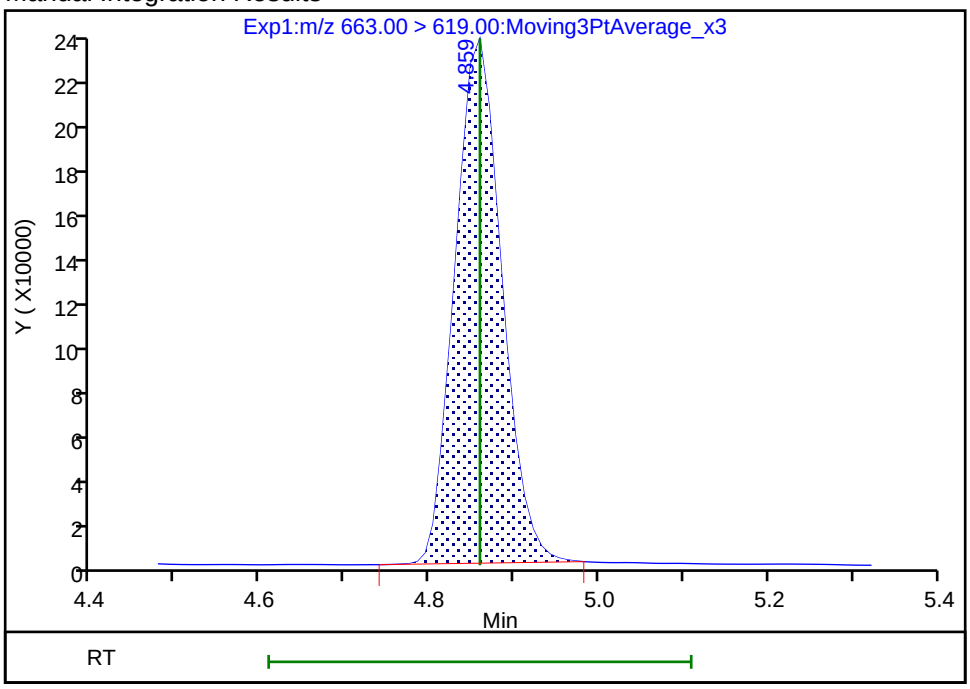
Processing Integration Results

RT: 4.86
Area: 908882
Amount: 1.015767
Amount Units: ng/ml



Manual Integration Results

RT: 4.86
Area: 899529
Amount: 1.024937
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:50:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

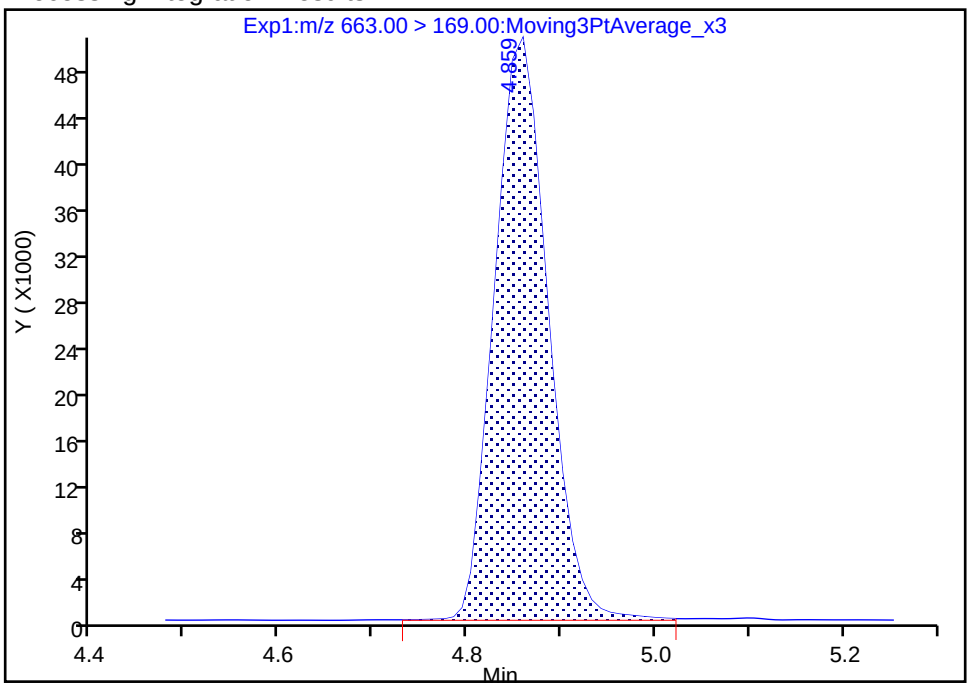
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

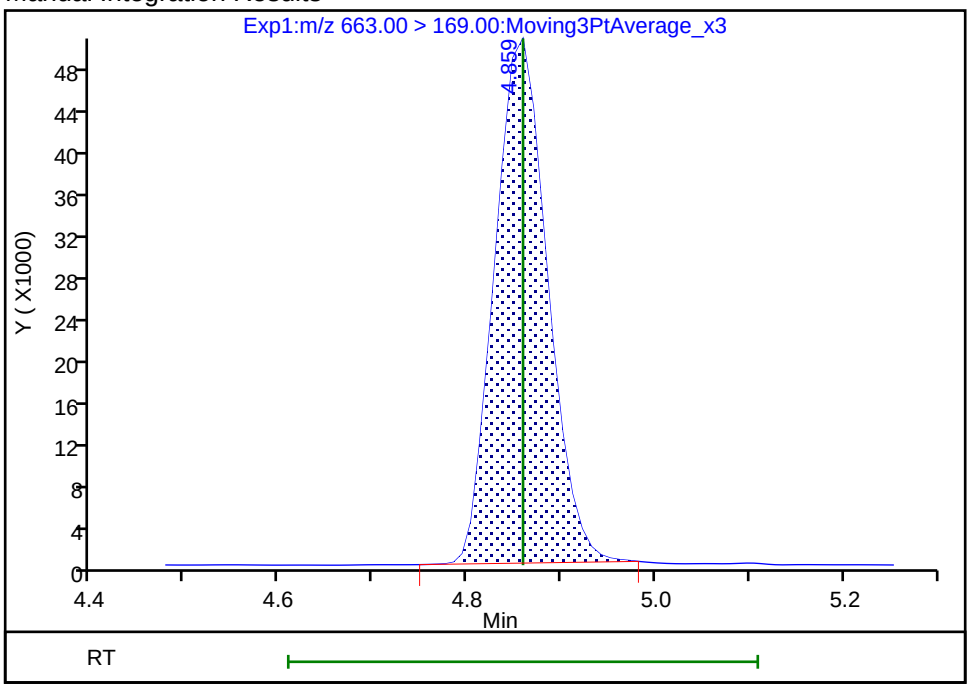
Processing Integration Results

RT: 4.86
Area: 200689
Amount: 1.015767
Amount Units: ng/ml



Manual Integration Results

RT: 4.86
Area: 197181
Amount: 1.024937
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:50:44
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

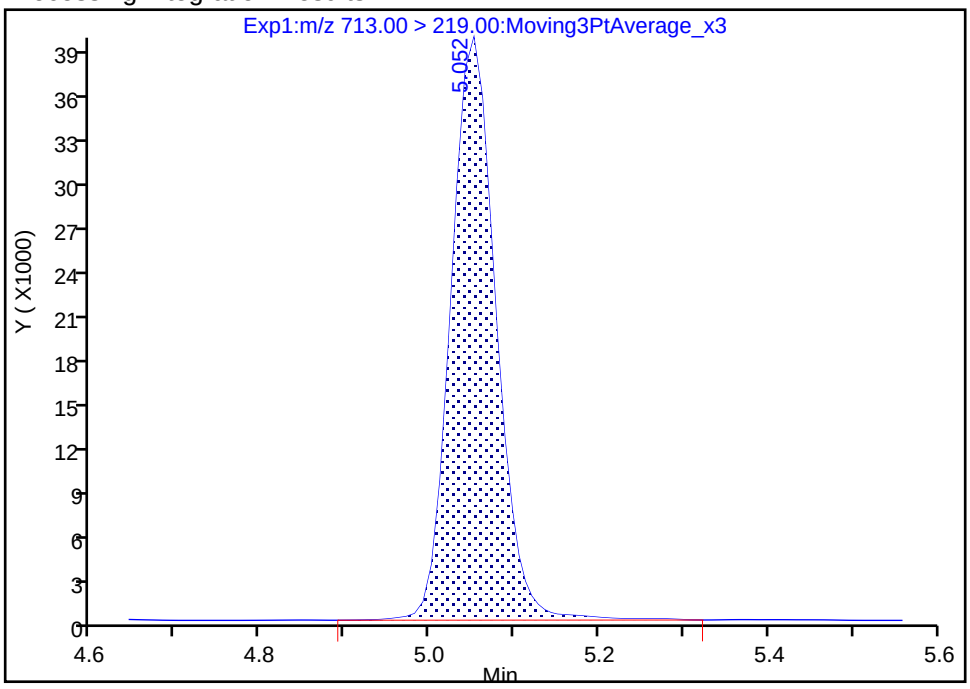
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

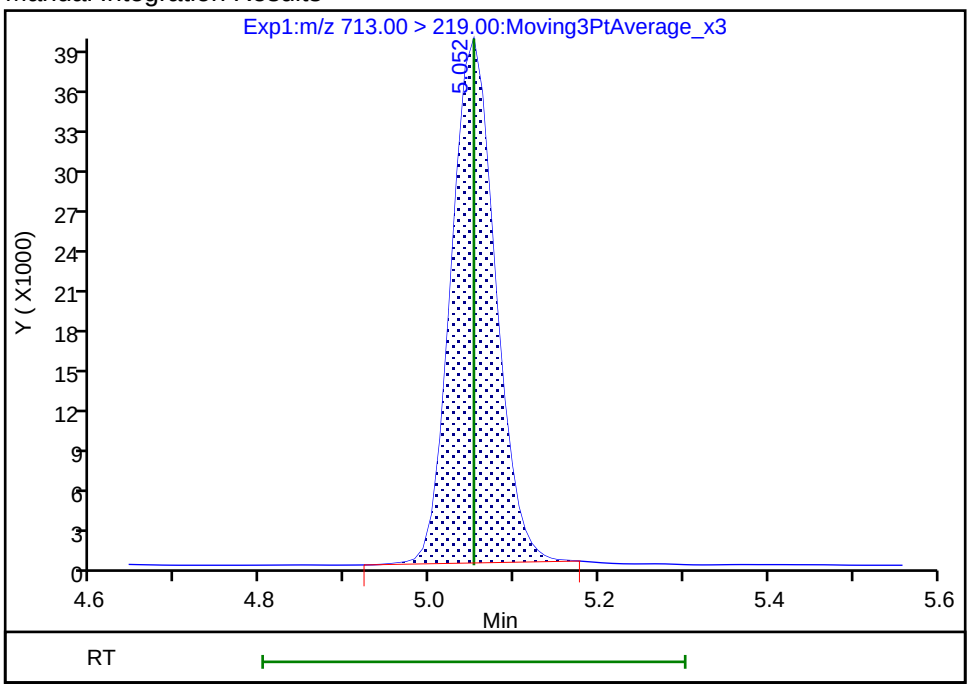
Processing Integration Results

RT: 5.05
Area: 144950
Amount: 0.991640
Amount Units: ng/ml



Manual Integration Results

RT: 5.05
Area: 141742
Amount: 0.983337
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:50:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

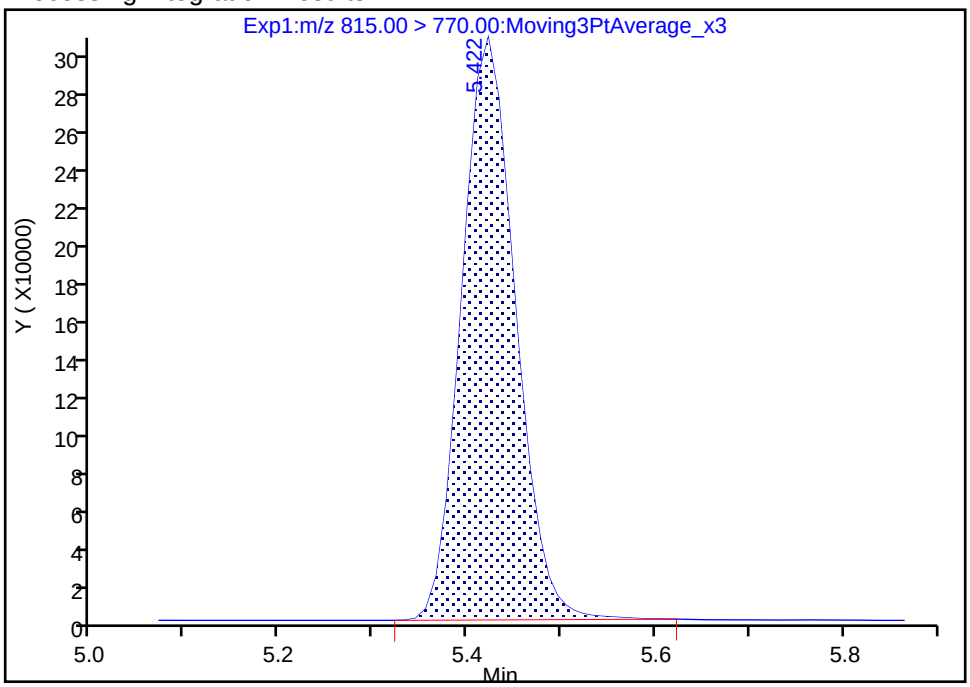
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

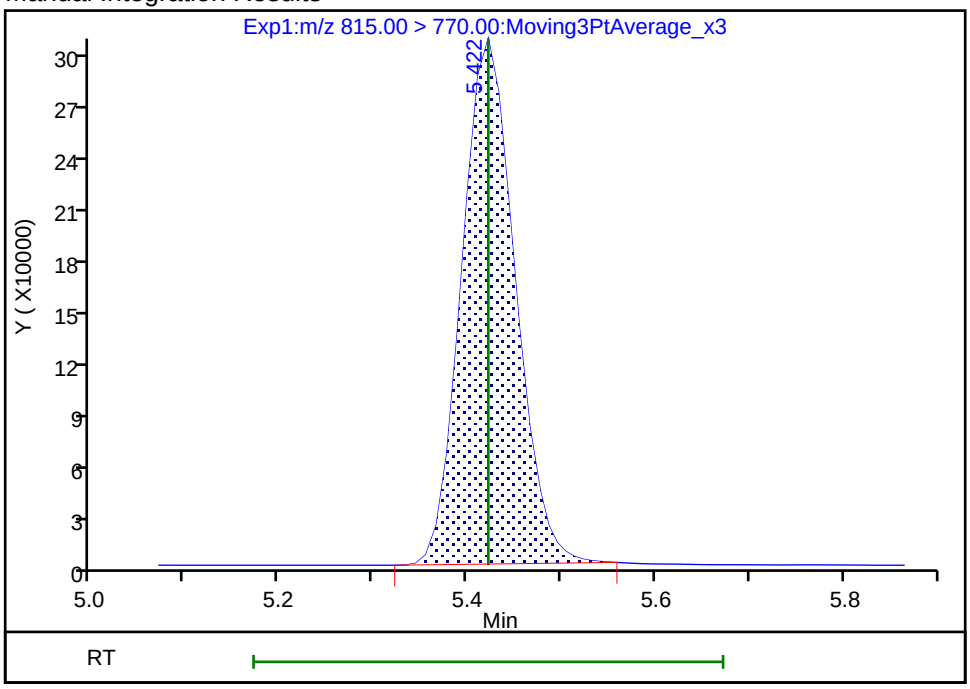
Processing Integration Results

RT: 5.42
Area: 1211380
Amount: 1.228044
Amount Units: ng/ml



Manual Integration Results

RT: 5.42
Area: 1201939
Amount: 1.236162
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:50:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

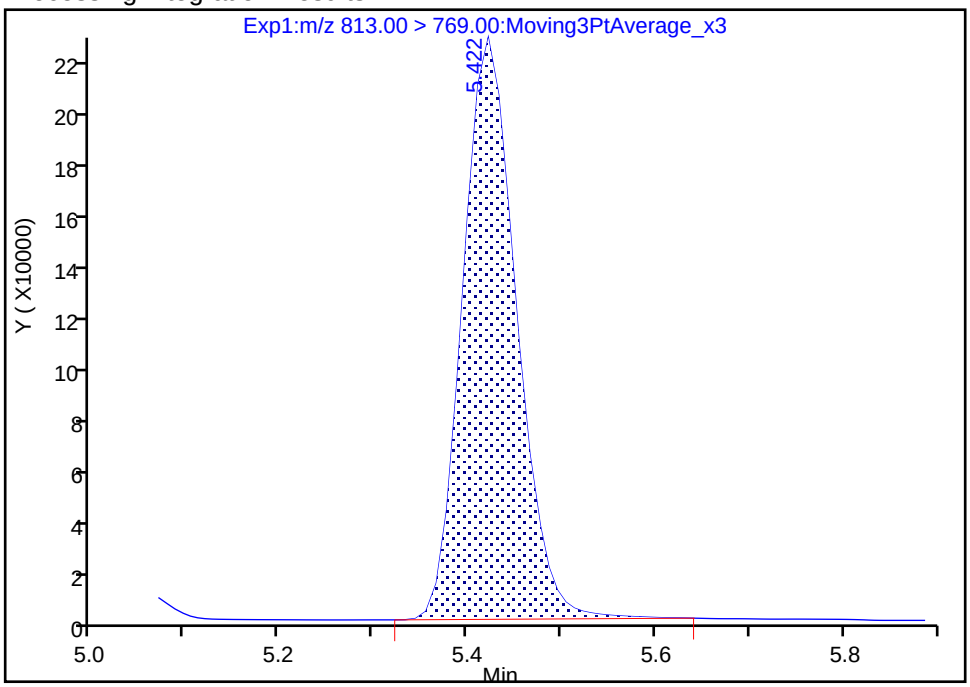
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

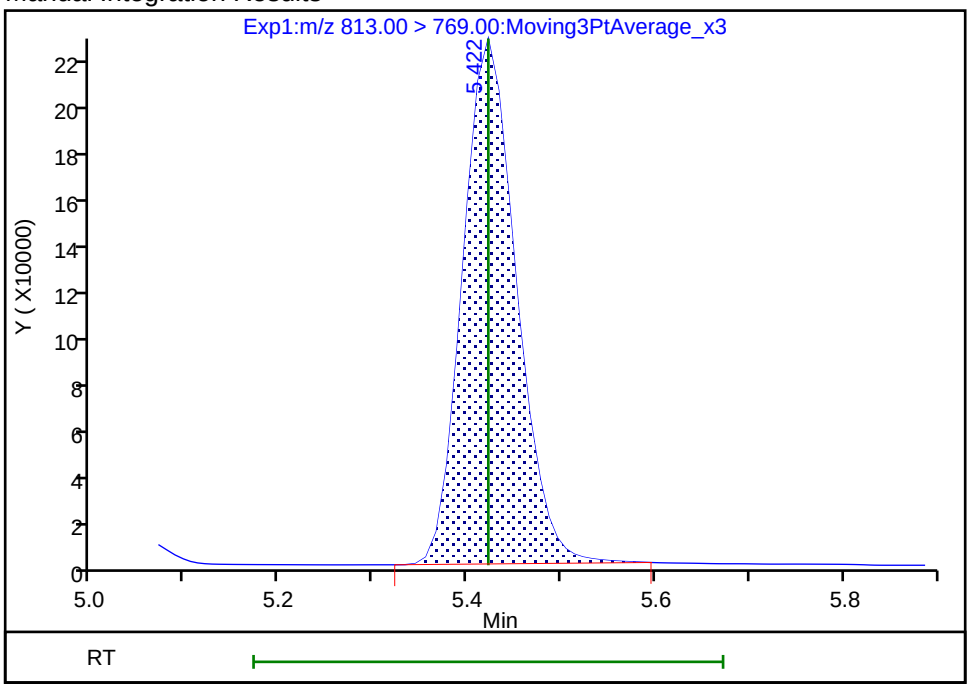
Processing Integration Results

RT: 5.42
Area: 894432
Amount: 1.035439
Amount Units: ng/ml



Manual Integration Results

RT: 5.42
Area: 890409
Amount: 1.015057
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:51:02
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

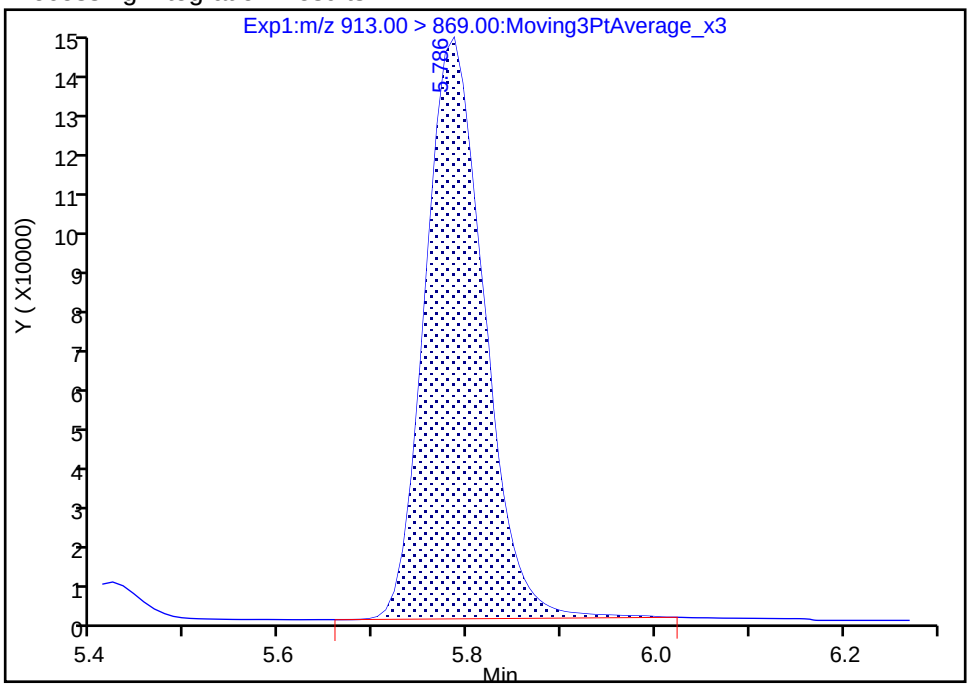
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d				
Injection Date:	03-Aug-2022 13:24:49	Instrument ID:	LC812		
Lims ID:	ICIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	8
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

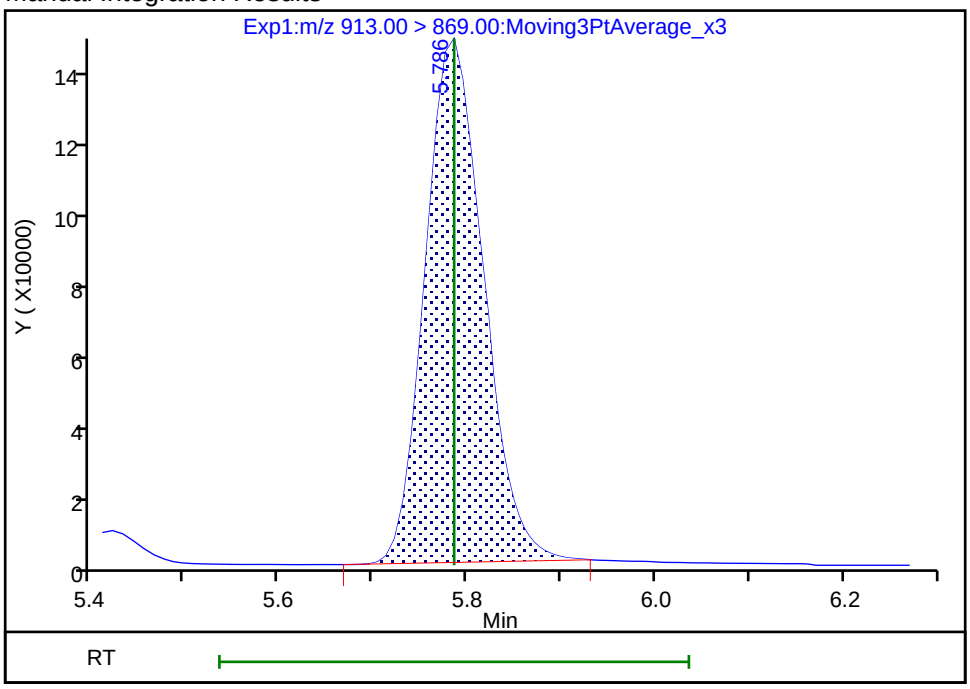
Processing Integration Results

RT: 5.79
Area: 630547
Amount: 0.955708
Amount Units: ng/ml



Manual Integration Results

RT: 5.79
Area: 621162
Amount: 0.971577
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:51:07

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

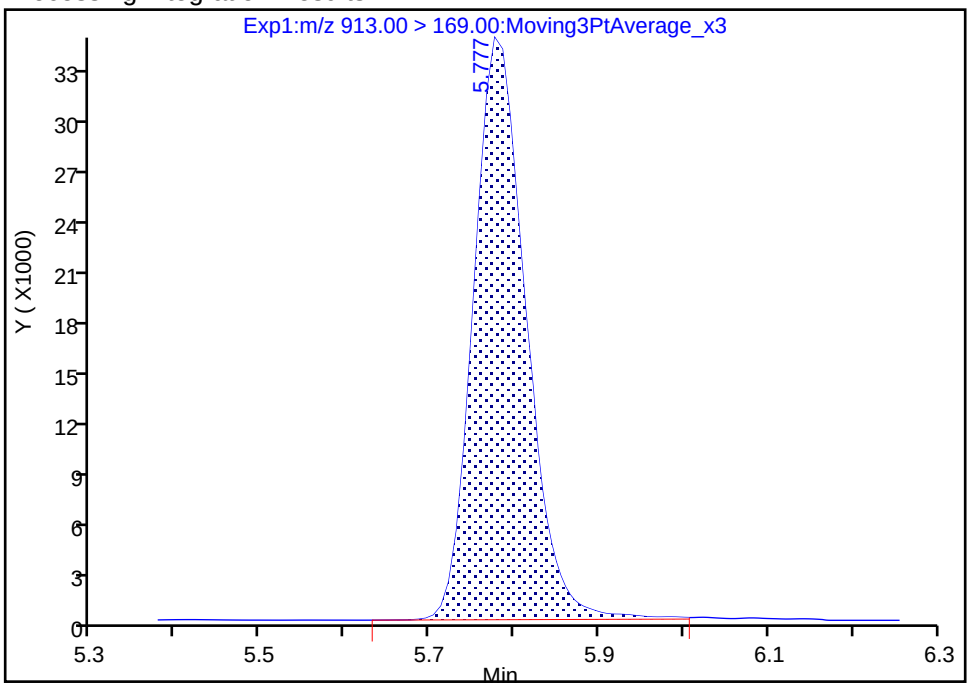
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL08.d
Injection Date: 03-Aug-2022 13:24:49 Instrument ID: LC812
Lims ID: ICIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 8
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

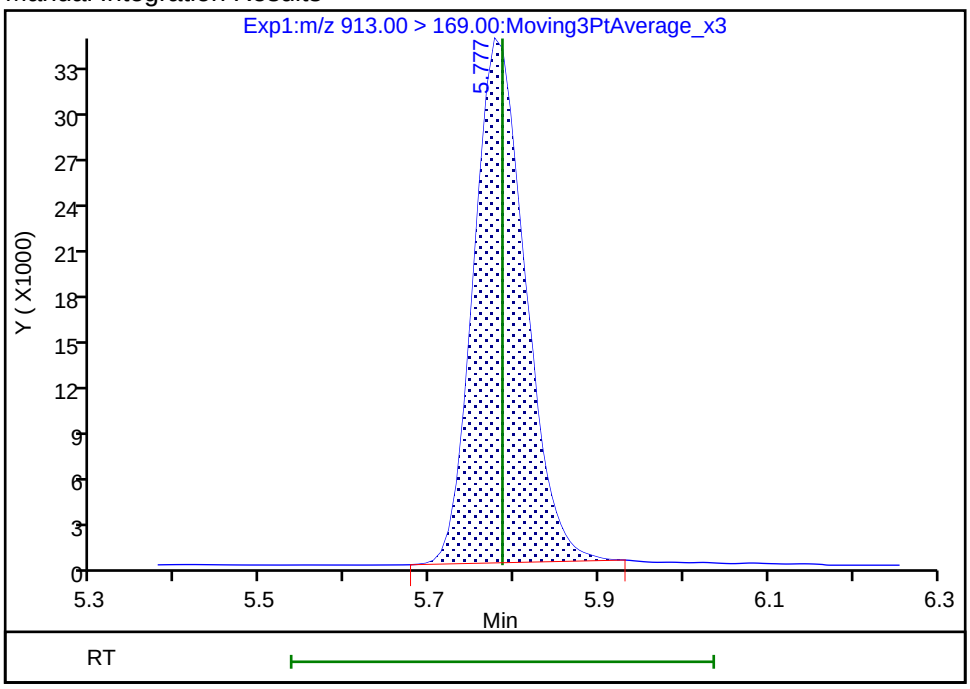
Processing Integration Results

RT: 5.78
Area: 146878
Amount: 0.955708
Amount Units: ng/ml



Manual Integration Results

RT: 5.78
Area: 144019
Amount: 0.971577
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:51:10
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 03-Aug-2022 13:33:00 ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 200-0051940-009 Plate: 1 Rack: 1
Operator ID: lc812tech Instrument ID: LC812
Sublist: chrom-PFC_LC812*sub3

Method: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 03-Aug-2022 14:25:30 Calib Date: 03-Aug-2022 13:41:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1672

First Level Reviewer: Z1IP Date: 03-Aug-2022 14:01:20
Ratio Calibration: Average of Initial Calibration

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										M
217.00 > 172.00	2.085	2.085	0.0	0.597	1857803	1.24		98.9	8594	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.085	0.0	1.000	3187659	2.21		88.5	417	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.400	0.0	0.688	1404065	1.21		97.2	3066	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.400	2.400	0.0	1.000	2656548	2.29		91.8	111	
D 47 13C3 PFBS										
301.90 > 80.00	2.413	2.413	0.0	0.691	1554917	1.16		100	252152	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.426	2.413	0.013	1.006	2999148	2.03	Target=2.18	91.9	2502	M
298.90 > 99.00	2.426	2.413	0.013	1.006	1400745		2.14(1.09-3.28)	91.9	1144	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.713	2.713	0.0	0.777	134930	1.17		100	152	M
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.713	2.713	0.0	1.000	611993	2.23		95.4	2786	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.762	2.750	0.012	1.004	2758598	2.31	Target=12.37	92.5	579	M
313.00 > 119.00	2.762	2.750	0.012	1.004	215969		12.77(6.19-18.56)	92.5	317	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.749	2.750	-0.001	0.788	1429283	1.24		99.1	2346	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.762	2.762	0.0	0.885	2602336	2.16	Target=3.00	92.0	2303	M
349.00 > 99.00	2.762	2.762	0.0	0.885	898623		2.90(1.50-4.50)	92.0	1451	
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.871	2.859	0.012	0.823	269301	1.24		99.2	2239	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.871	2.859	0.012	1.000	526717	2.28		91.0	1978	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.132	3.121	0.011	0.897	1462731	1.22		97.7	2802	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.132	3.121	0.011	1.000	2794876	2.32	Target=3.68	92.7	624	M
363.00 > 169.00	3.132	3.121	0.011	1.000	738346		3.79(1.84-5.52)	92.7	784	M
D 11 18O2 PFHxS										M
403.00 > 84.00	3.121	3.121	0.0	0.894	1100091	1.17		98.9	1693	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.121	3.121	0.0	1.000	2100026	2.05	Target=3.52	90.0	1379	M
399.00 > 99.00	3.121	3.121	0.0	1.000	613809		3.42(1.76-5.27)	90.0	626	M
77 DONA										M
377.00 > 251.00	3.165	3.165	0.0	0.833	6067195	2.13	Target=2.78	90.6	1751	M
377.00 > 85.00	3.165	3.165	0.0	0.833	2193406		2.77(1.39-4.17)	90.6	1197	M
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.472	3.474	-0.002	0.995	182060	1.16		97.4	503	M
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.472	3.474	-0.002	1.000	517908	2.30		97.1	474	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.472	3.474	-0.002	0.914	1868882	2.19	Target=4.99	92.1	1851	M
449.00 > 99.00	3.472	3.474	-0.002	0.914	388606		4.81(2.50-7.49)	92.1	1175	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.490	3.482	0.008	1.002	3024763	2.27	Target=2.64	90.8	316	M
413.00 > 169.00	3.481	3.482	-0.001	1.000	1134261		2.67(1.32-3.96)	90.8	1376	M
D 14 13C4 PFOA										M
417.00 > 372.00	3.481	3.482	-0.001	0.998	1484954	1.21		96.8	1580	M
* 62 13C2 PFOA										M
415.00 > 370.00	3.490	3.482	0.008		1609879	1.25			1807	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.801	3.802	-0.001	1.000	1565335	2.26	Target=4.77	97.5	714	M
499.00 > 99.00	3.801	3.802	-0.001	1.000	335836		4.66(2.38-7.15)	97.5	763	M
D 18 13C4 PFOS										M
503.00 > 80.00	3.801	3.802	-0.001	1.089	824732	1.17		98.2	1613	M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.821	3.822	-0.001	1.000	2908604	2.30	Target=7.92	92.2	861	
463.00 > 169.00	3.821	3.822	-0.001	1.000	369381		7.87(3.96-11.88)	92.2	994	M
D 19 13C5 PFNA										
468.00 > 423.00	3.821	3.822	-0.001	1.095	1550788	1.22		97.4	2911	
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.969	3.969	0.0	1.044	2607229	2.14		91.8	2633	M
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.104	4.093	0.011	1.080	1207870	2.24	Target=2.52	93.1	1449	M
549.00 > 99.00	4.104	4.093	0.011	1.080	477549		2.53(1.26-3.78)	93.1	1581	M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.138	4.127	0.011	1.000	399769	2.28		95.1	1055	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.127	4.127	0.0	1.000	2964619	2.40	Target=9.74	95.8	1253	M
513.00 > 169.00	4.127	4.127	0.0	1.000	311853		9.51(4.87-14.60)	95.8	1256	M
D 23 13C2 PFDA										M
515.00 > 470.00	4.127	4.127	0.0	1.183	1471206	1.19		95.0	1753	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.138	4.138	0.0	1.186	217682	1.15		95.9	881	
D 21 13C8 FOSA										M
506.00 > 78.00	4.184	4.173	0.011	1.199	1316398	1.21		97.1	1335	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.184	4.173	0.011	1.000	2577197	2.40		96.1	1784	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.273	4.273	0.0	1.000	350351	2.40		95.9	733	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.273	4.273	0.0	1.224	205583	1.24		99.0	317	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.376	4.365	0.011	1.151	934202	2.32	Target=2.62	96.4	1664	M
599.00 > 99.00	4.376	4.365	0.011	1.151	353361		2.64(1.31-3.93)	96.4	916	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.398	4.399	-0.001	1.260	1162923	1.24		99.1	1776	M
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.398	4.399	-0.001	1.000	2312817	2.35	Target=8.83	93.9	1168	M
563.00 > 169.00	4.398	4.399	-0.001	1.000	264049		8.76(4.41-13.24)	93.9	1477	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.410	4.410	0.0	1.000	329631	2.32		92.9	645	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.410	4.410	0.0	1.264	195385	1.24		99.4	775	
66 11-Chloroeicosafluoro-3-oxaundec										M
631.00 > 451.00	4.504	4.491	0.013	1.185	3478140	2.19		93.1	1902	M
D 36 13C2 PFDoA										
615.00 > 570.00	4.633	4.633	0.0	1.327	1195679	1.23		98.3	2245	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.643	4.633	0.010	1.002	2257049	2.33	Target=6.63	93.1	303	M
613.00 > 169.00	4.633	4.633	0.0	1.000	334655		6.74(3.32-9.95)	93.1	1448	M
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.663	4.654	0.009	1.127	188626	2.30		95.4	1150	
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.825	4.813	0.011	1.269	396436	2.22	Target=0.54	91.8	1233	M
699.00 > 99.00	4.825	4.813	0.011	1.269	734014		0.54(0.27-0.81)	91.8	1473	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.859	4.859	0.0	1.049	1962703	2.33	Target=4.62	93.4	317	M
663.00 > 169.00	4.859	4.859	0.0	1.049	432883		4.53(2.31-6.94)	93.4	1242	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.062	5.052	0.010	1.450	979883	1.23		98.5	1469	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.062	5.052	0.010	1.000	297564	2.37	Target=0.94	94.8	1044	M
713.00 > 219.00	5.052	5.052	0.0	0.998	304623		0.98(0.47-1.41)	94.8	1289	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.422	5.422	0.0	1.000	1990402	2.46	Target=4.40	98.3	399	M
813.00 > 169.00	5.422	5.422	0.0	1.000	458670		4.34(2.20-6.59)	98.3	1612	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.422	5.422	0.0	1.554	1123333	1.24		99.2	4304	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.785	5.786	-0.001	1.067	1396187	2.34	Target=4.42	93.5	266	M
913.00 > 169.00	5.785	5.786	-0.001	1.067	315550		4.42(2.21-6.63)	93.5	616	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

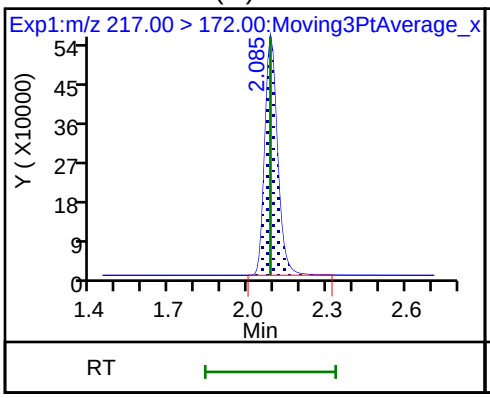
PFAS32NCIC5_00028 Amount Added: 100.00 Units: uL

Report Date: 03-Aug-2022 14:25:30 Chrom Revision: 2.3 29-Jul-2022 15:21:48

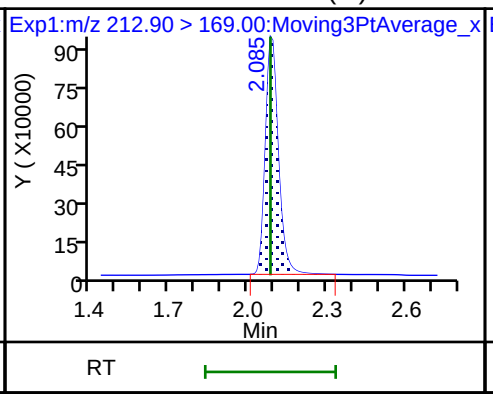
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL

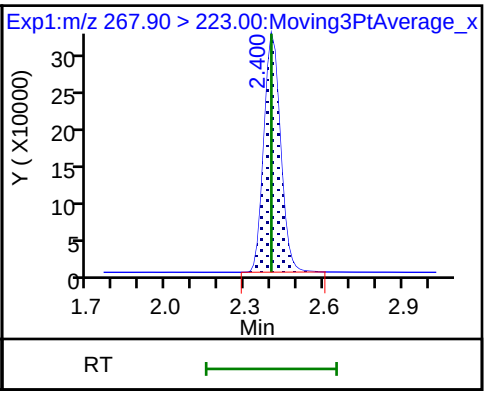
D 1 13C4 PFBA (M)



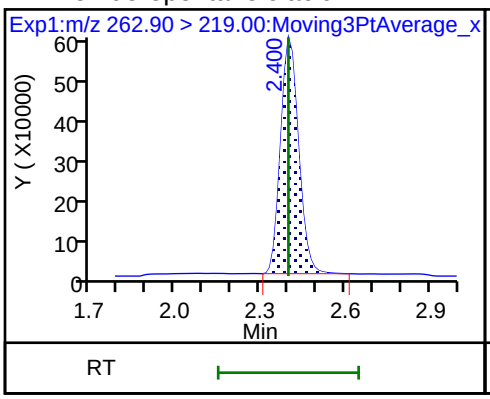
2 Perfluorobutanoic acid (M)



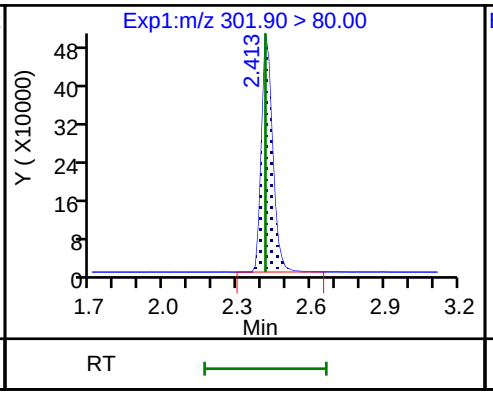
D 3 13C5 PFPeA



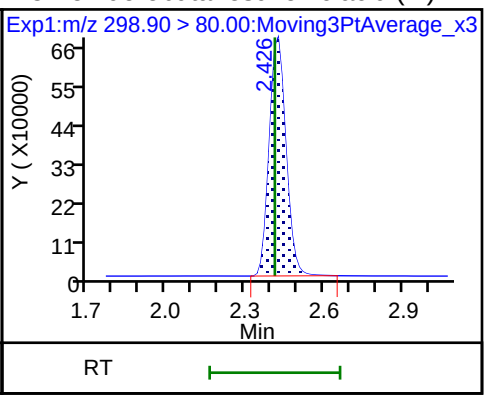
4 Perfluoropentanoic acid



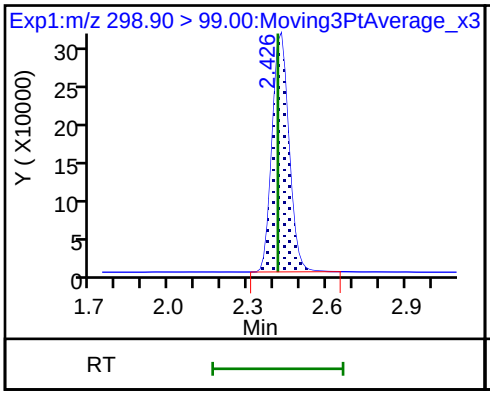
D 47 13C3 PFBS



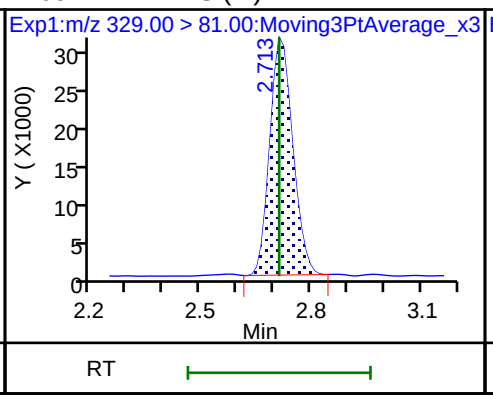
5 Perfluorobutanesulfonic acid (M)



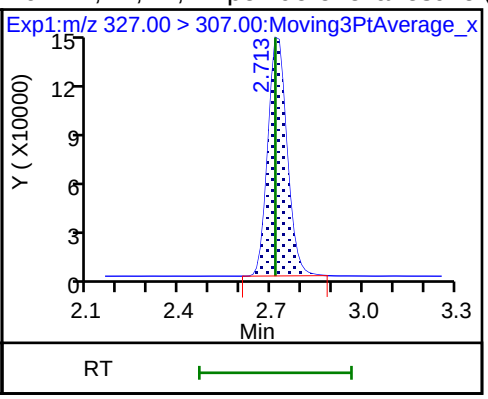
5 Perfluorobutanesulfonic acid



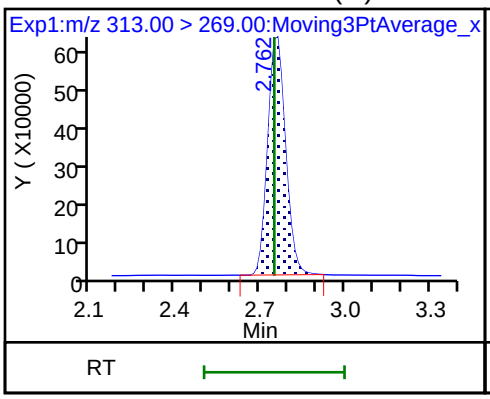
D 60 M2-4:2 FTS (M)



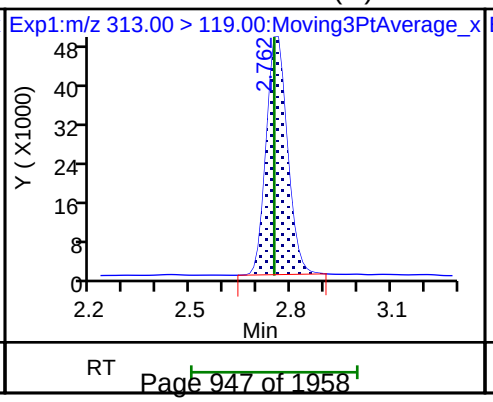
61 1H,1H,2H,2H-perfluorohexanesulfo (M)



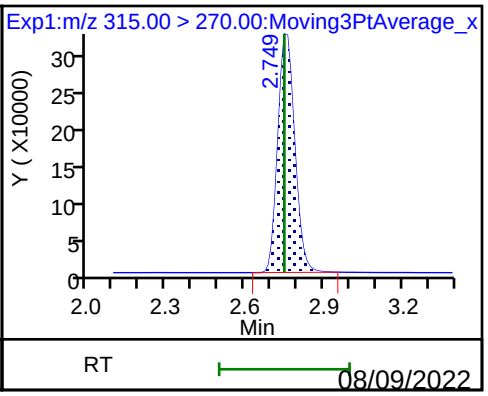
6 Perfluorohexanoic acid (M)



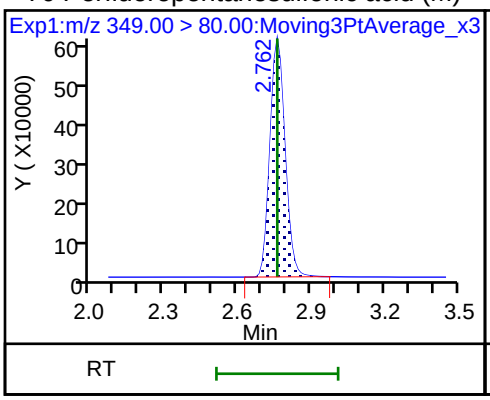
6 Perfluorohexanoic acid (M)



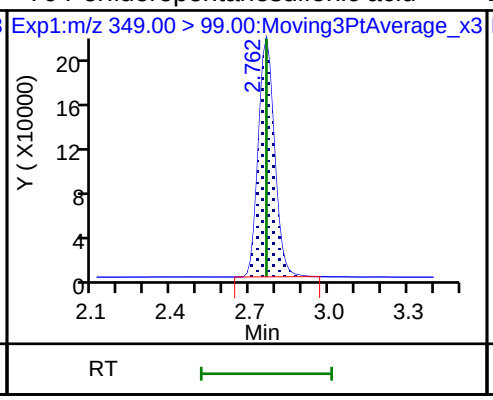
D 7 13C2 PFHxA



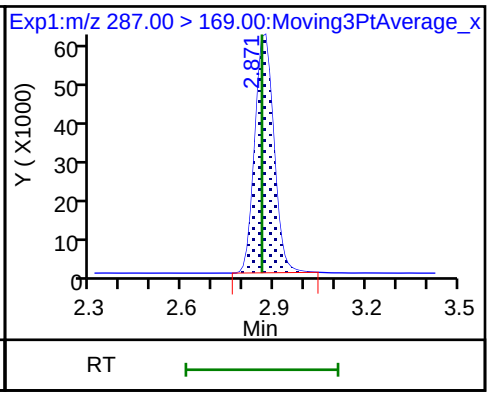
70 Perfluoropentanesulfonic acid (M)



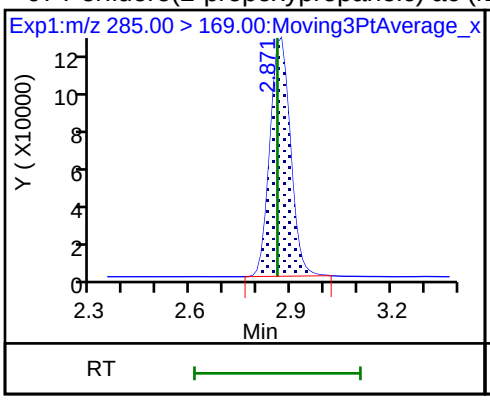
70 Perfluoropentanesulfonic acid



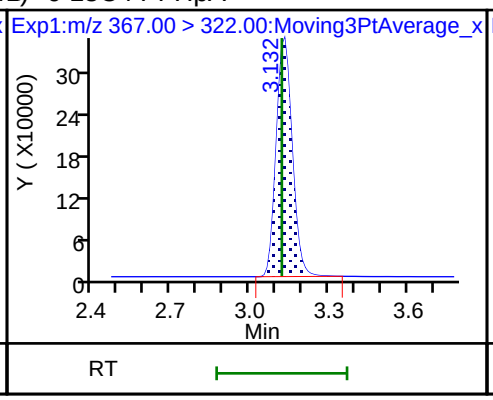
D 64 13C3 HFPO-DA



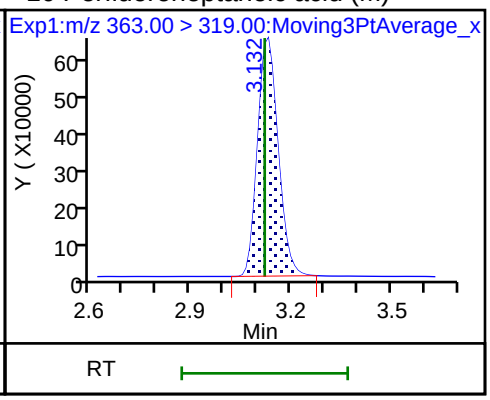
67 Perfluoro(2-propoxypropanoic) ac (M)



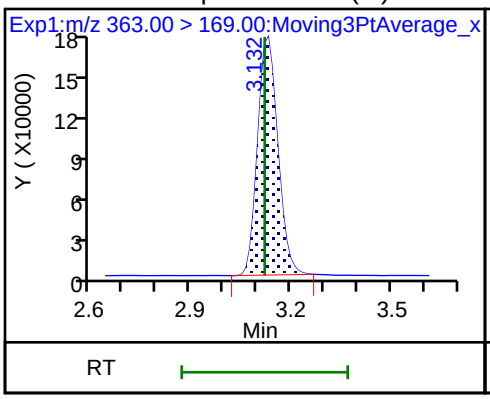
D 9 13C4 PFHpA



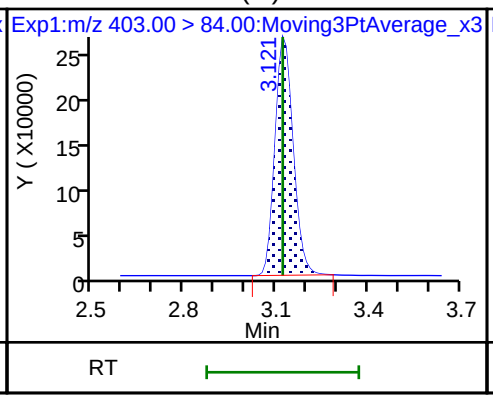
10 Perfluoroheptanoic acid (M)



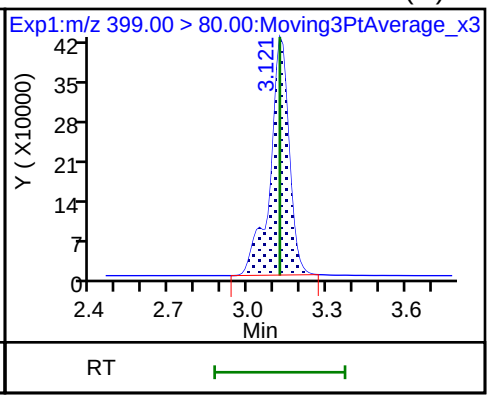
10 Perfluoroheptanoic acid (M)



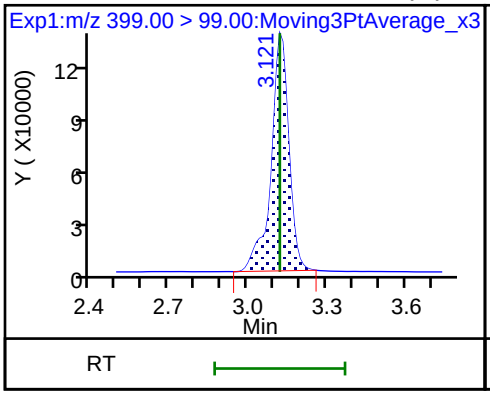
D 11 18O2 PFHxS (M)



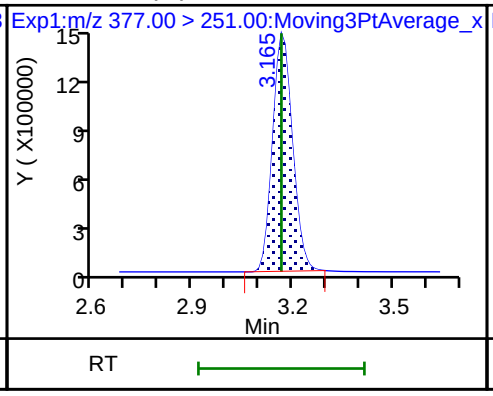
8 Perfluorohexanesulfonic acid (M)



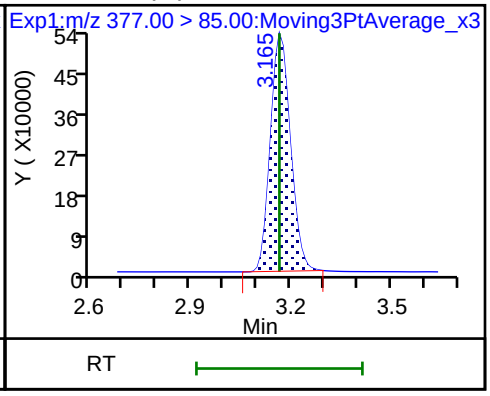
8 Perfluorohexanesulfonic acid (M)



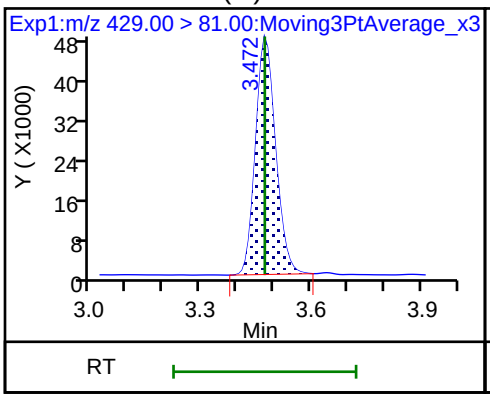
77 DONA (M)



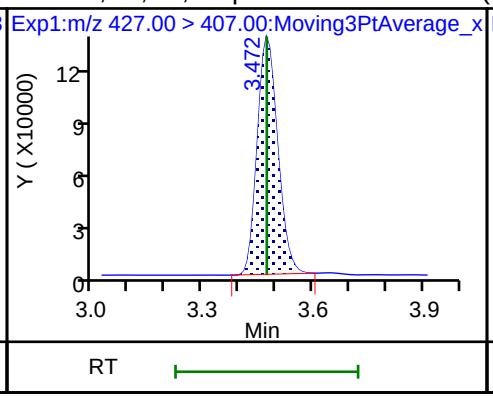
77 DONA (M)



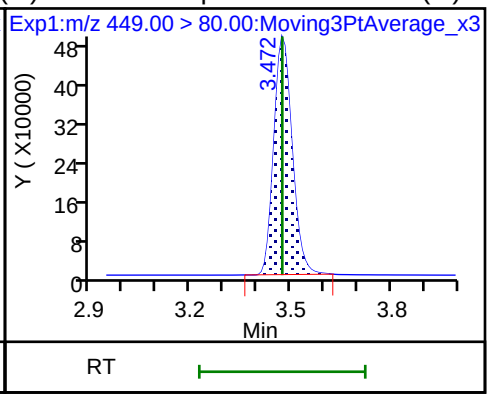
D 12 M2-6:2 FTS (M)



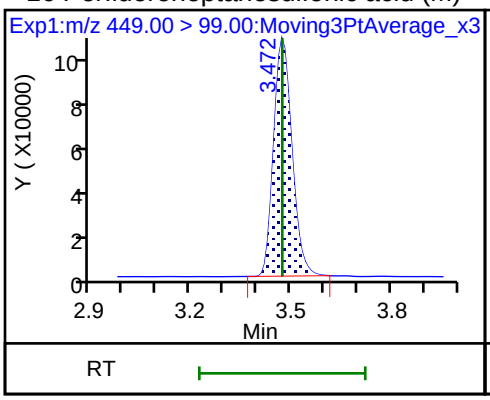
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



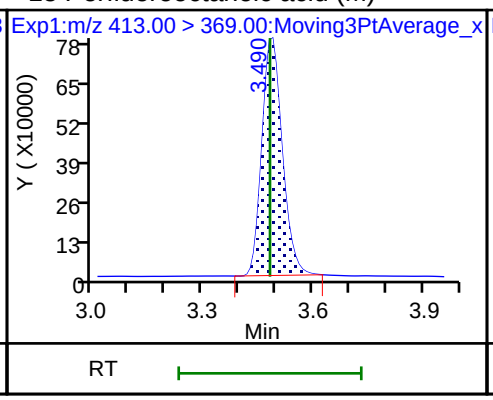
16 Perfluoroheptanesulfonic acid (M)



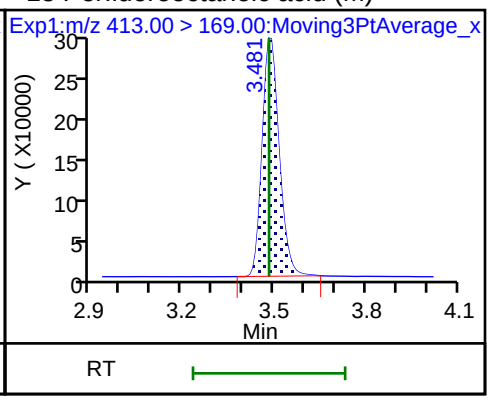
16 Perfluoroheptanesulfonic acid (M)



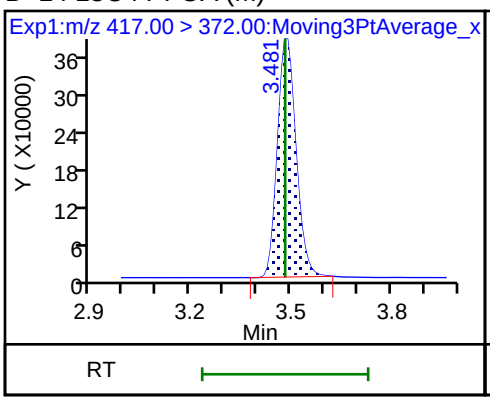
15 Perfluorooctanoic acid (M)



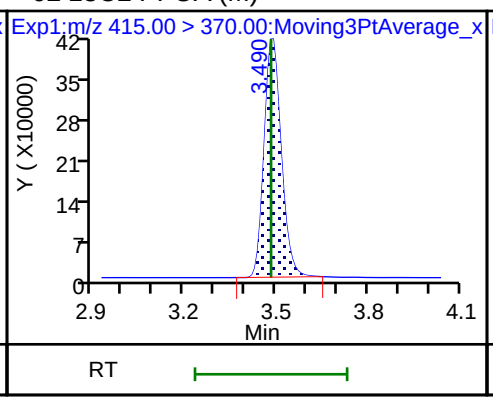
15 Perfluorooctanoic acid (M)



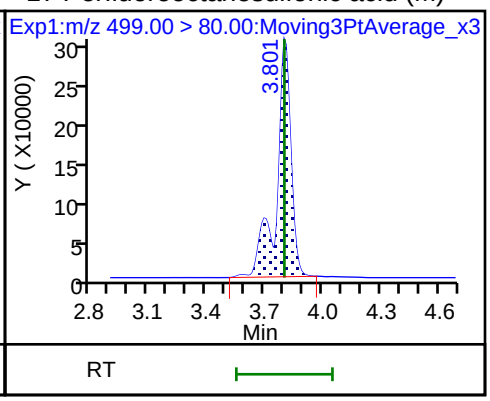
D 14 13C4 PFOA (M)



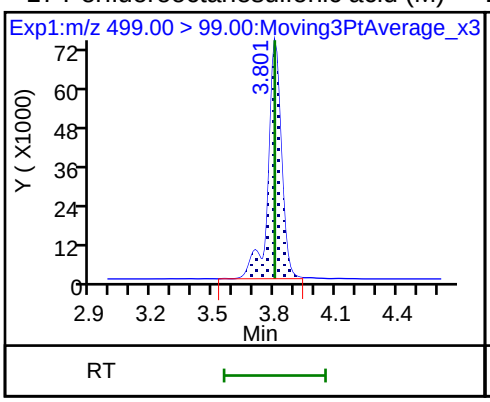
* 62 13C2 PFOA (M)



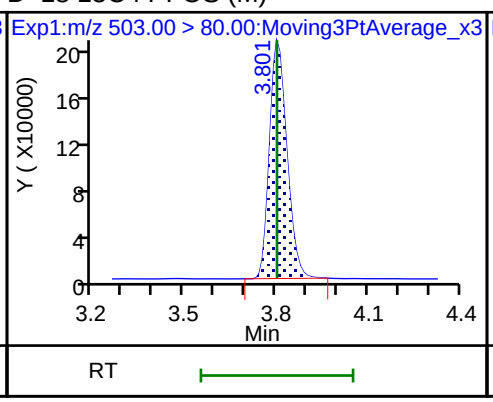
17 Perfluorooctanesulfonic acid (M)



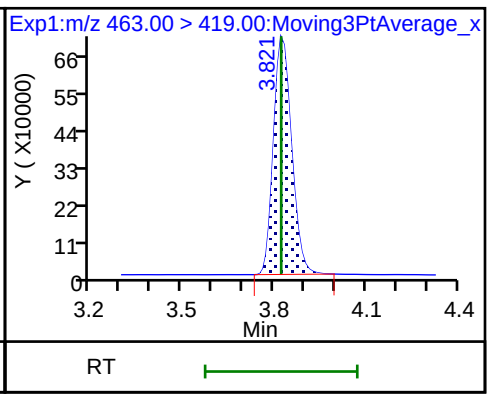
17 Perfluorooctanesulfonic acid (M)



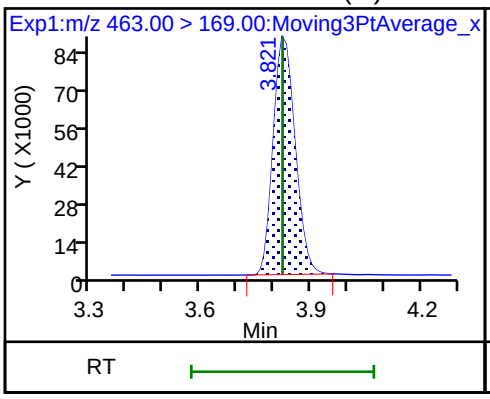
D 18 13C4 PFOS (M)



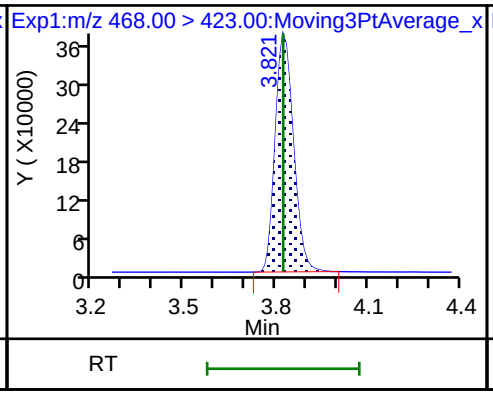
20 Perfluorononanoic acid



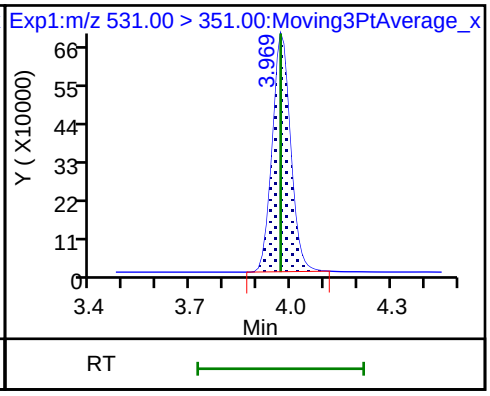
20 Perfluorononanoic acid (M)



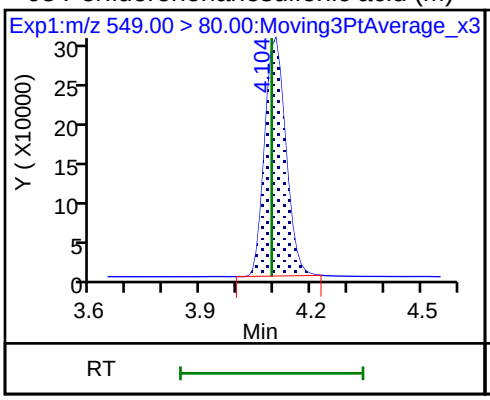
D 19 13C5 PFNA



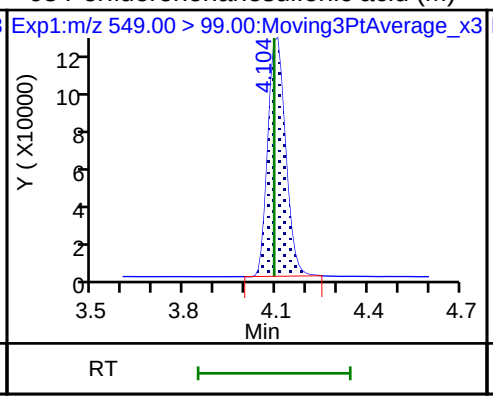
69 9-Chlorohexadecafluoro-3-oxanona (M)



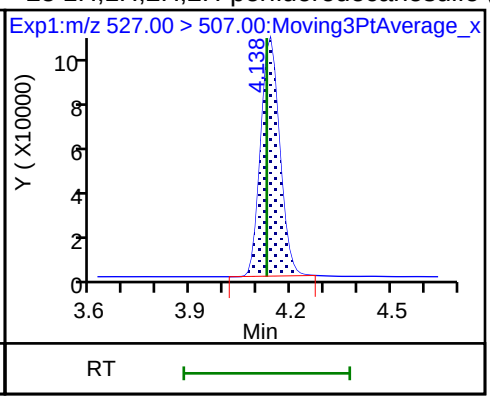
68 Perfluorononanesulfonic acid (M)



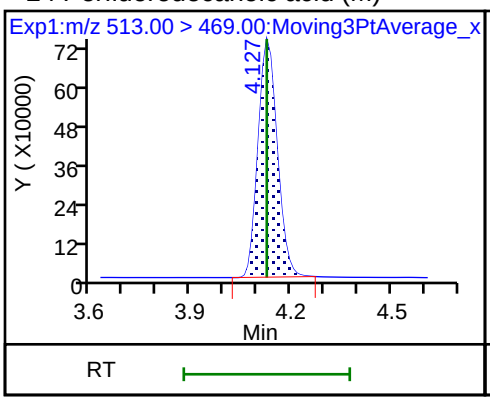
68 Perfluorononanesulfonic acid (M)



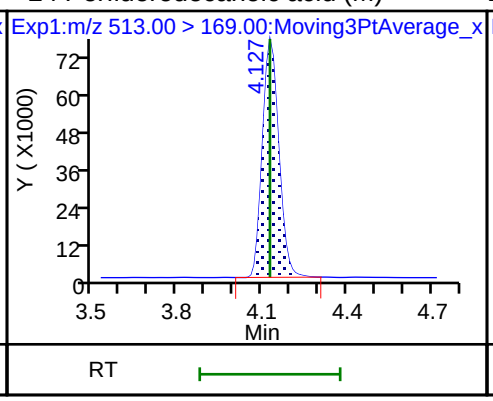
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



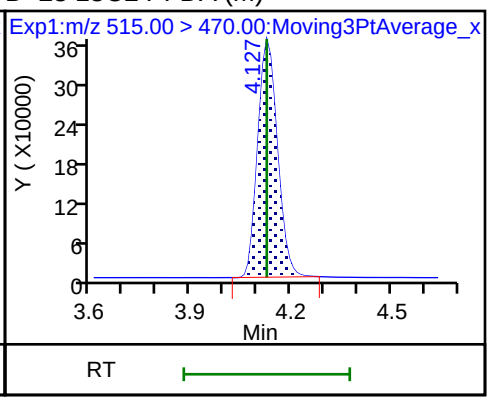
24 Perfluorodecanoic acid (M)



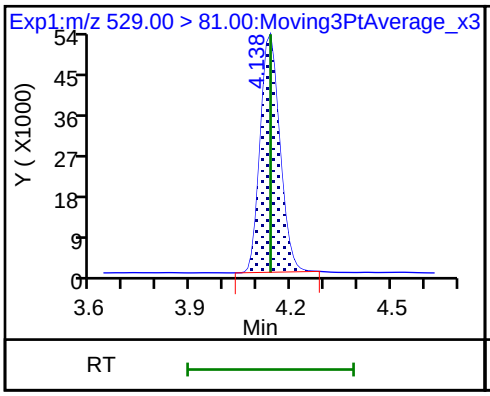
24 Perfluorodecanoic acid (M)



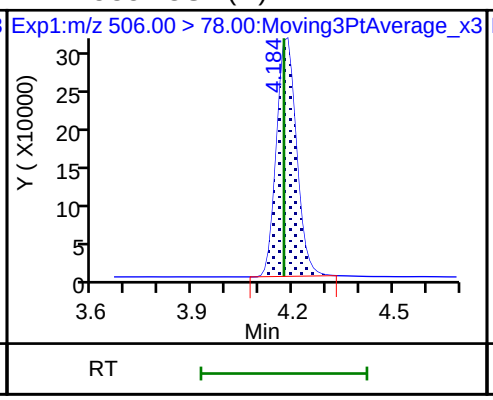
D 23 13C2 PFDA (M)



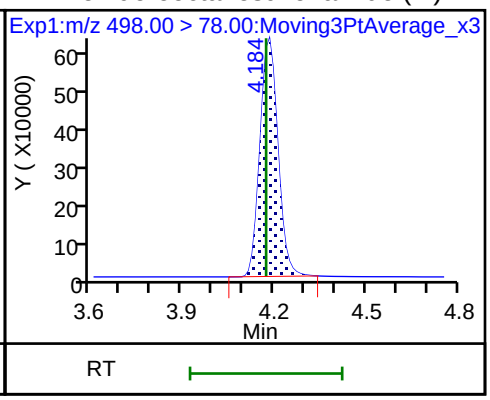
D 26 M2-8:2 FTS



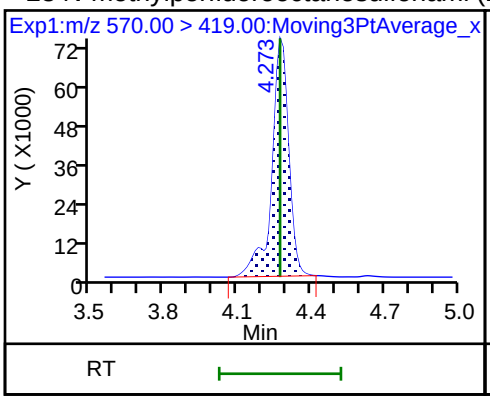
D 21 13C8 FOSA (M)



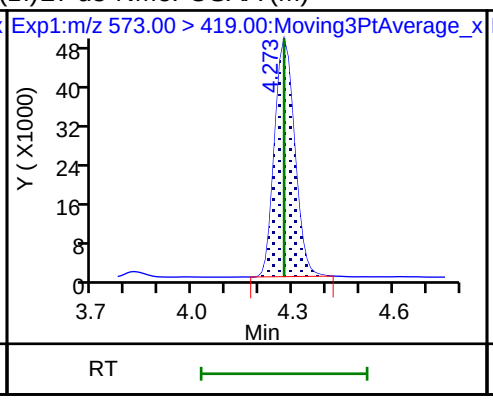
22 Perfluorooctanesulfonamide (M)



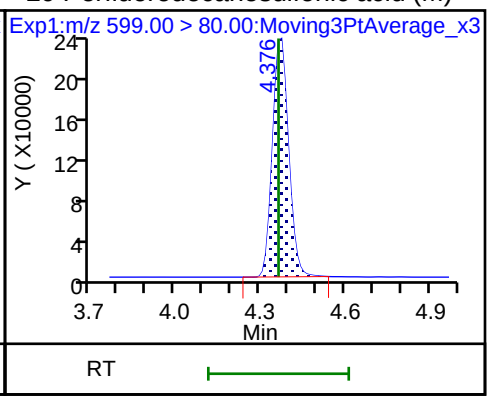
28 N-methylperfluorooctanesulfonami (M)



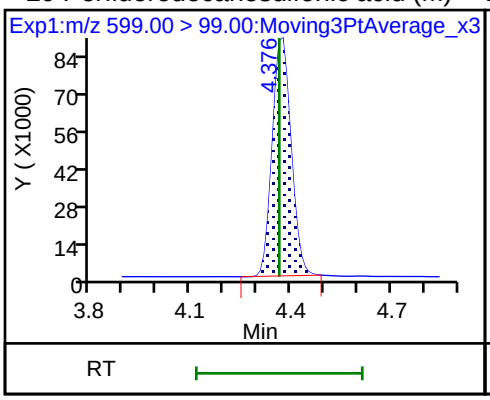
D 27 d3-NMeFOSAA (M)



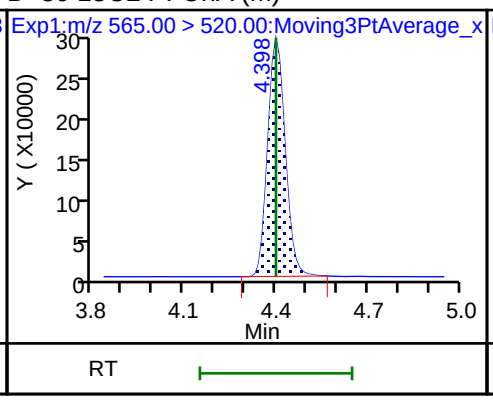
29 Perfluorodecanesulfonic acid (M)



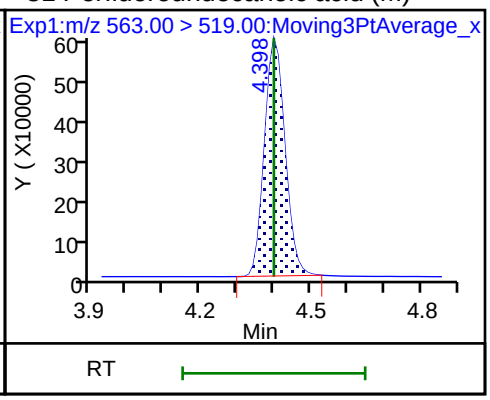
29 Perfluorodecanesulfonic acid (M)



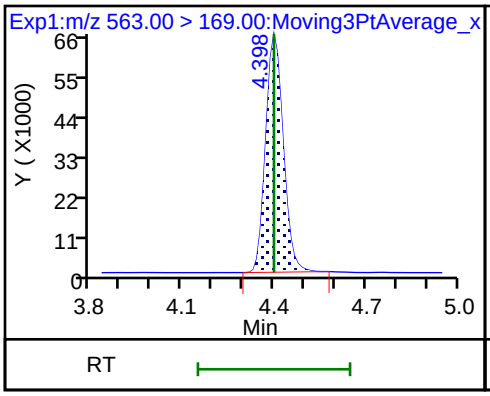
D 30 13C2 PFUnA (M)



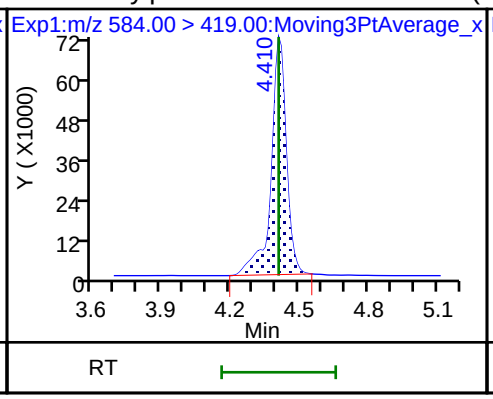
31 Perfluoroundecanoic acid (M)



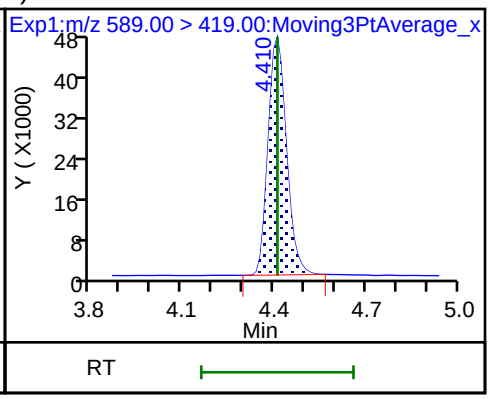
31 Perfluoroundecanoic acid



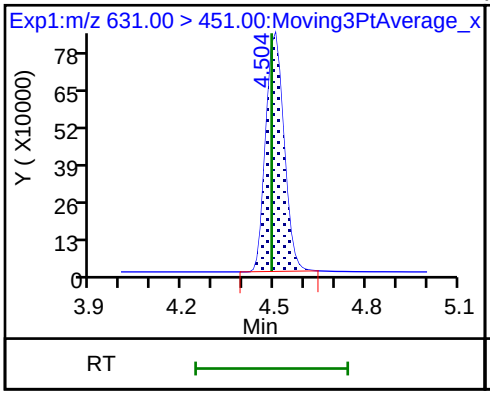
33 N-ethylperfluorooctanesulfonamid (M)



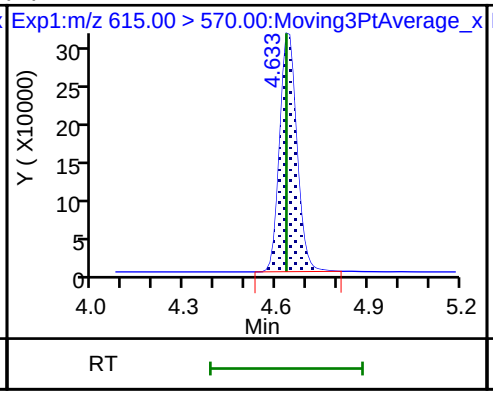
D 32 d5-NEtFOSAA



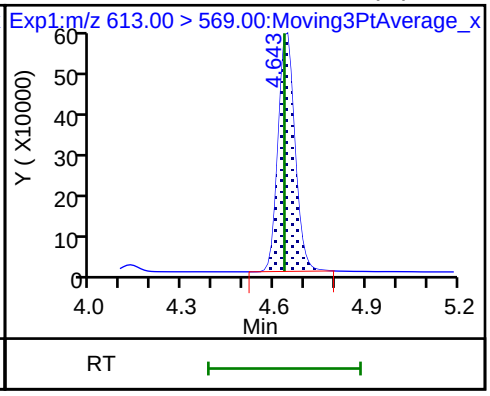
66 11-Chloroeicosafluoro-3-oxaundec (M)



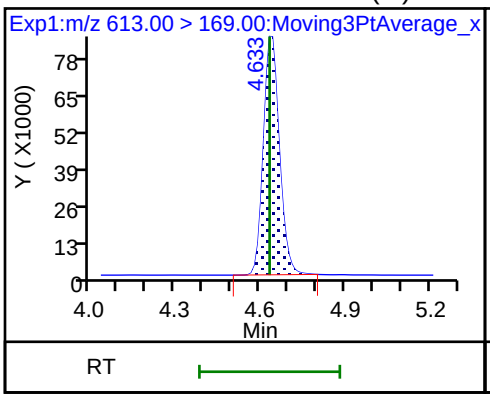
D 36 13C2 PFDoA



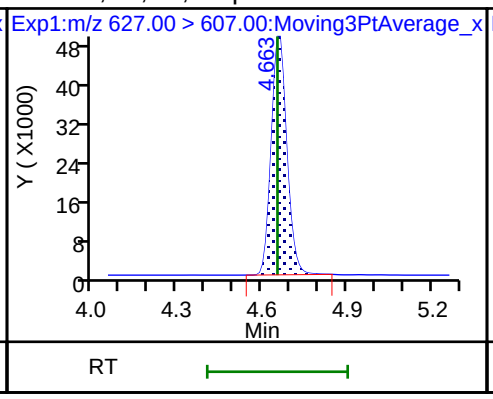
37 Perfluorododecanoic acid (M)



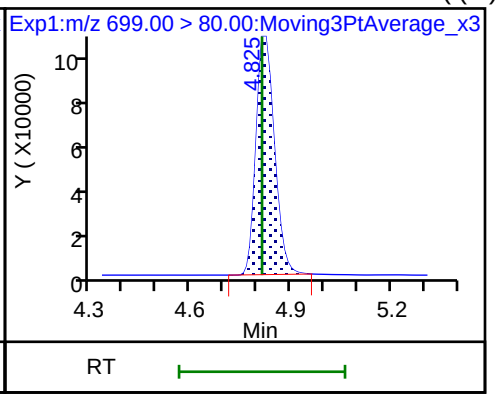
37 Perfluorododecanoic acid (M)



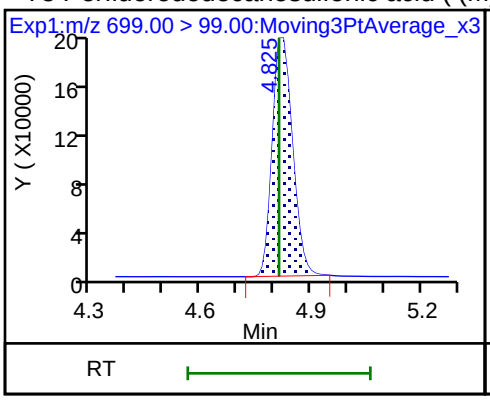
74 1H,1H,2H,2H-perfluorododecanesul



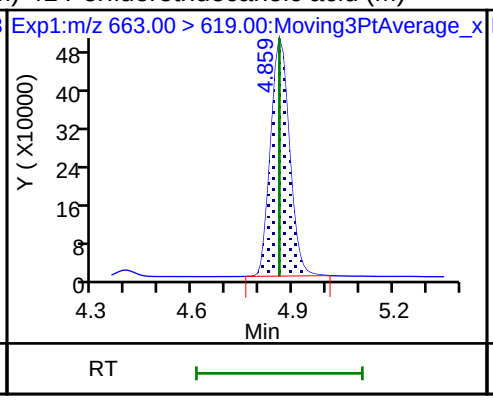
75 Perfluorododecanesulfonic acid ((M)



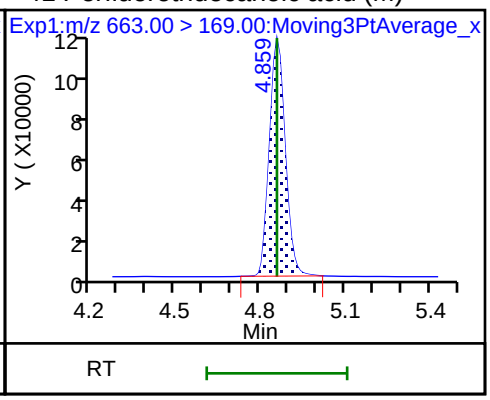
75 Perfluorododecanesulfonic acid ((M)



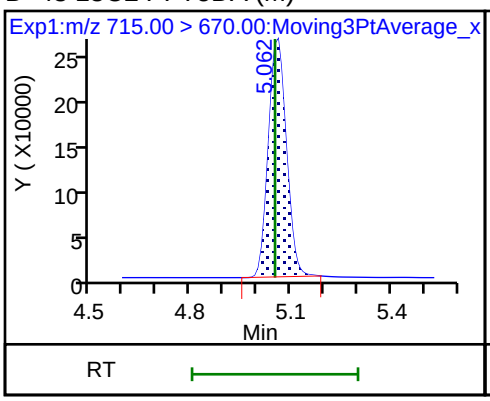
41 Perfluorotridecanoic acid (M)



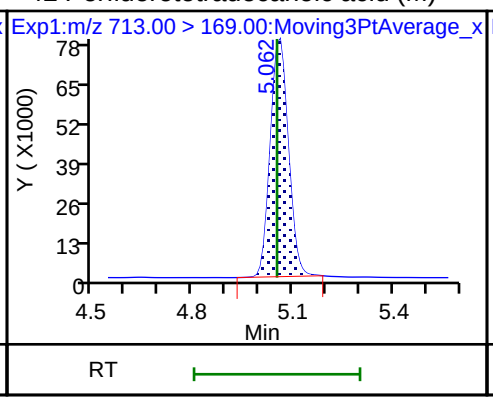
41 Perfluorotridecanoic acid (M)



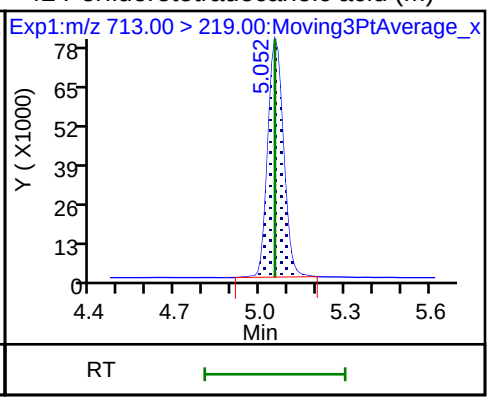
D 43 13C2 PFTeDA (M)



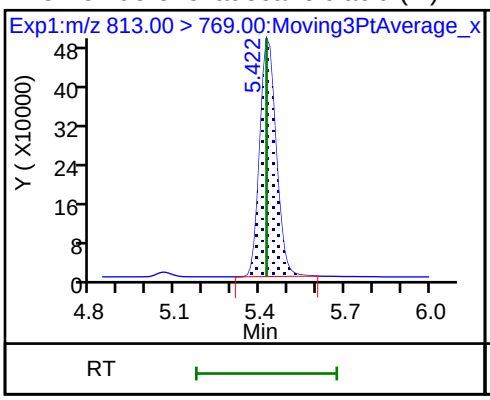
42 Perfluorotetradecanoic acid (M)



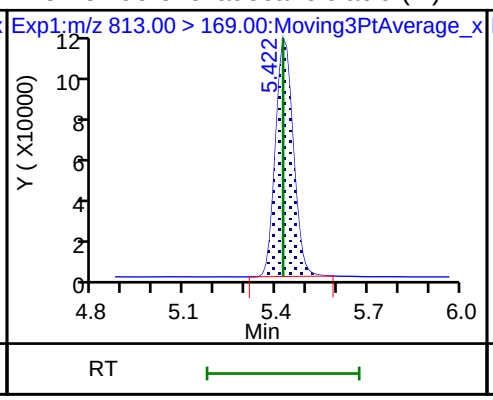
42 Perfluorotetradecanoic acid (M)



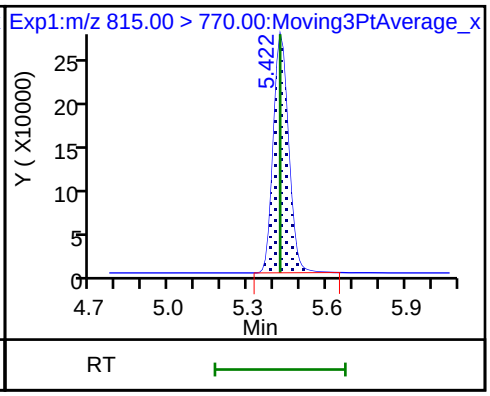
45 Perfluorohexadecanoic acid (M)



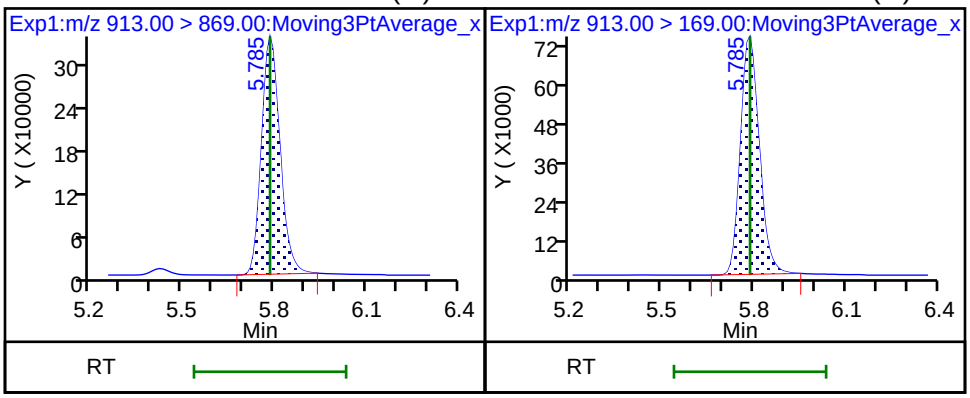
45 Perfluorohexadecanoic acid (M)



D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M) 46 Perfluorooctadecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins Burlington

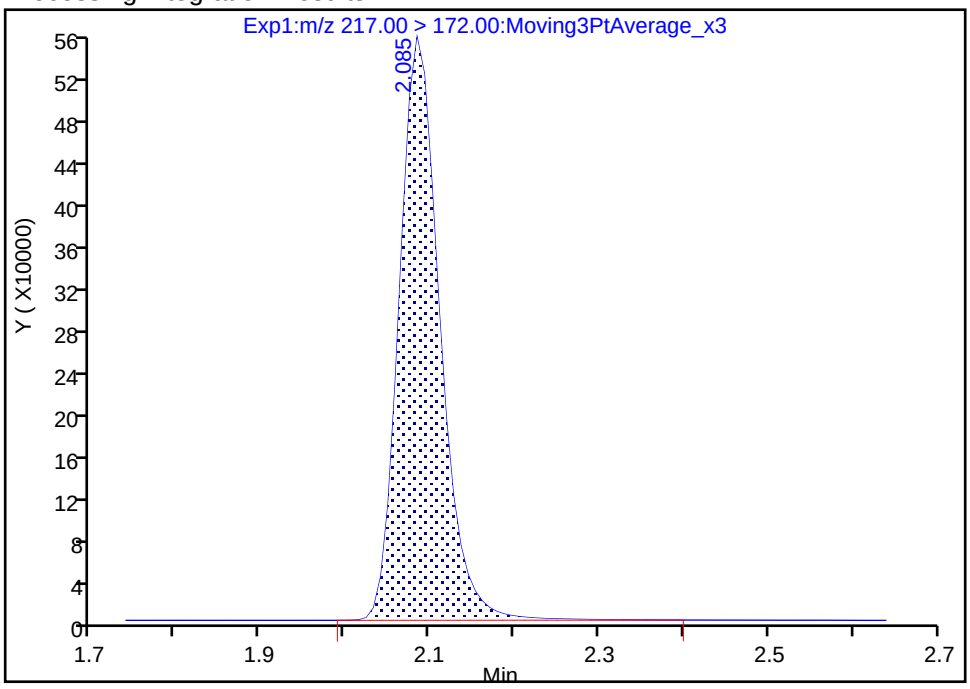
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

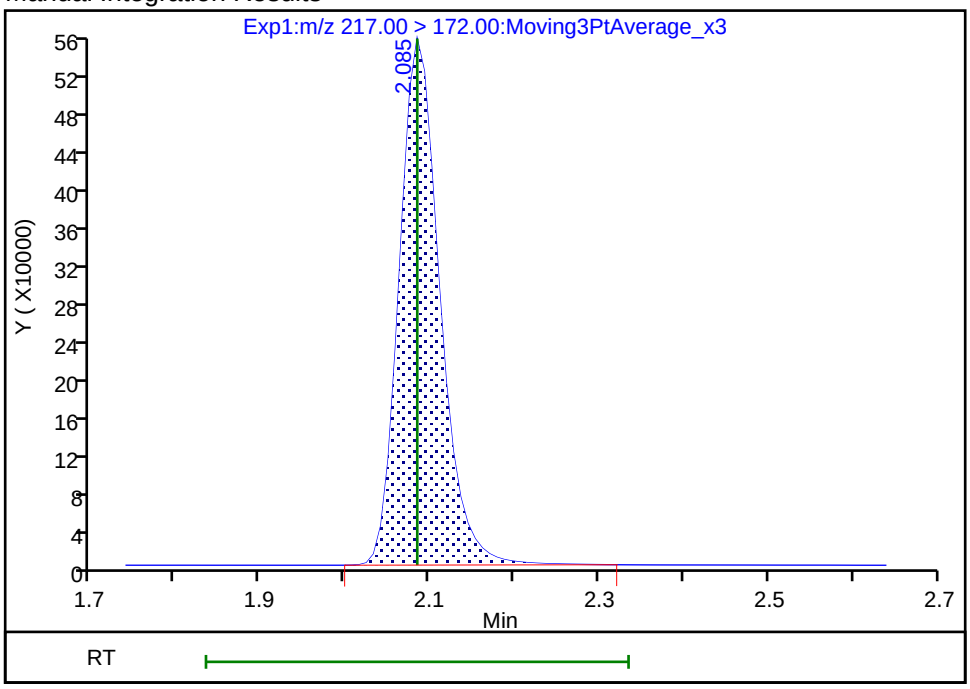
Processing Integration Results

RT: 2.08
Area: 1861121
Amount: 1.242970
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 1857803
Amount: 1.236030
Amount Units: ng/ml



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

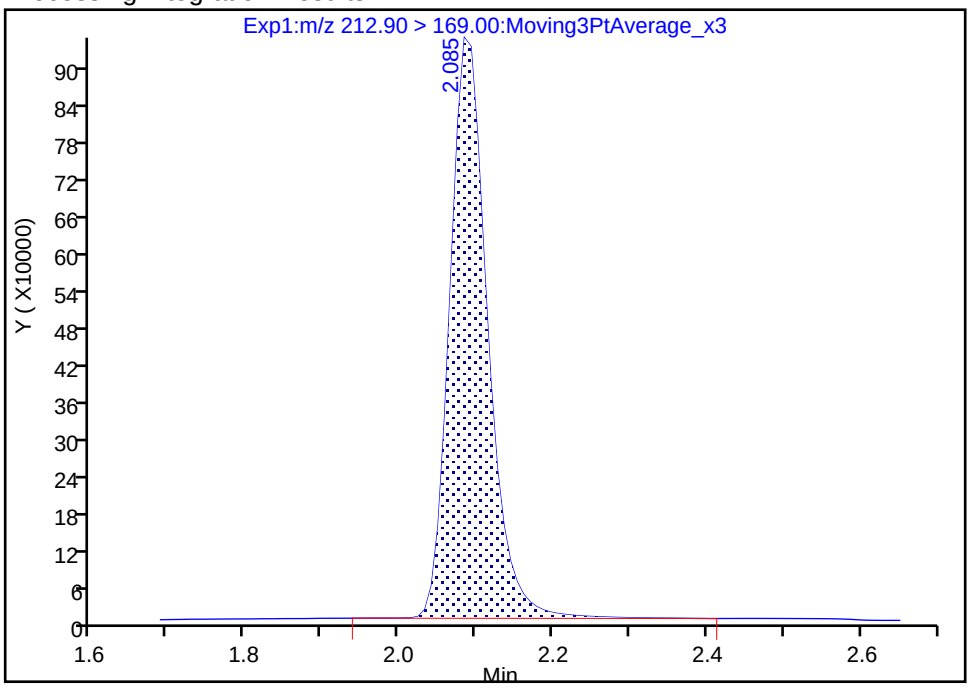
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

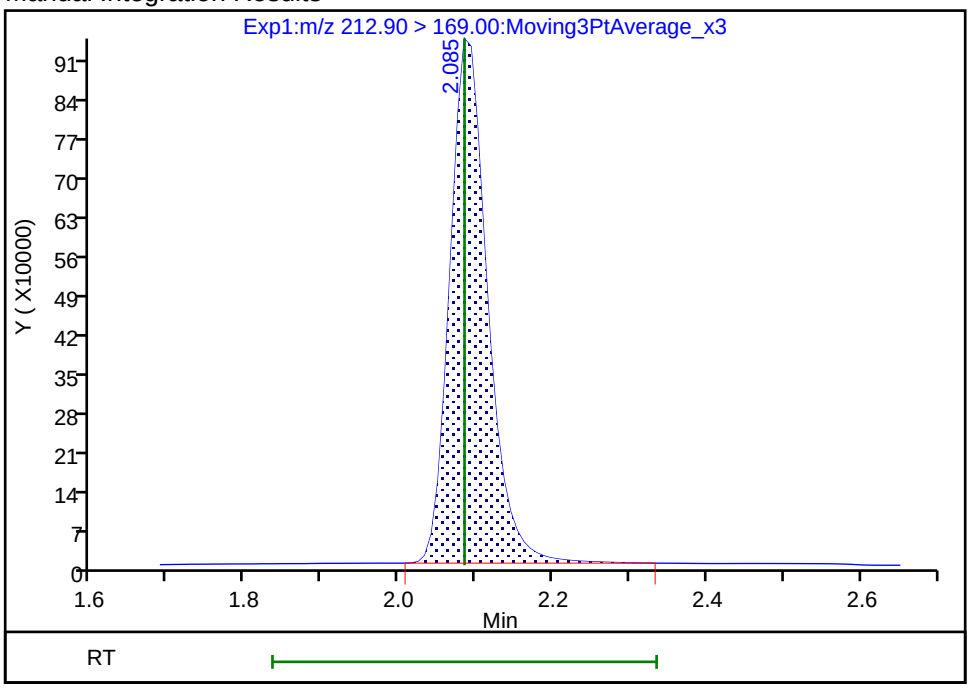
Processing Integration Results

RT: 2.08
Area: 3199209
Amount: 2.224753
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 3187659
Amount: 2.211817
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:52:37
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

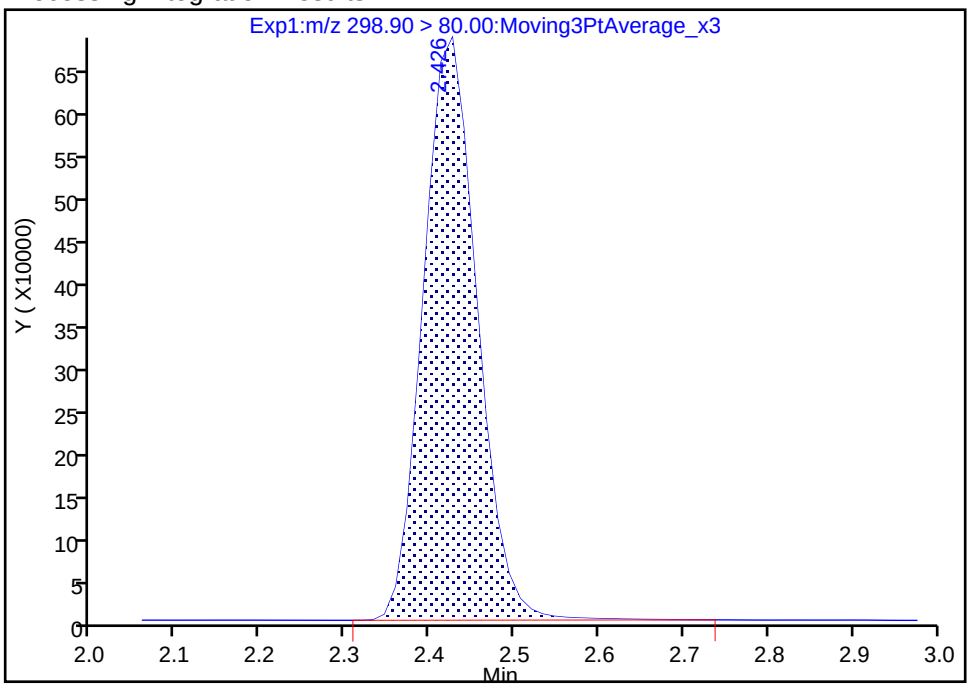
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

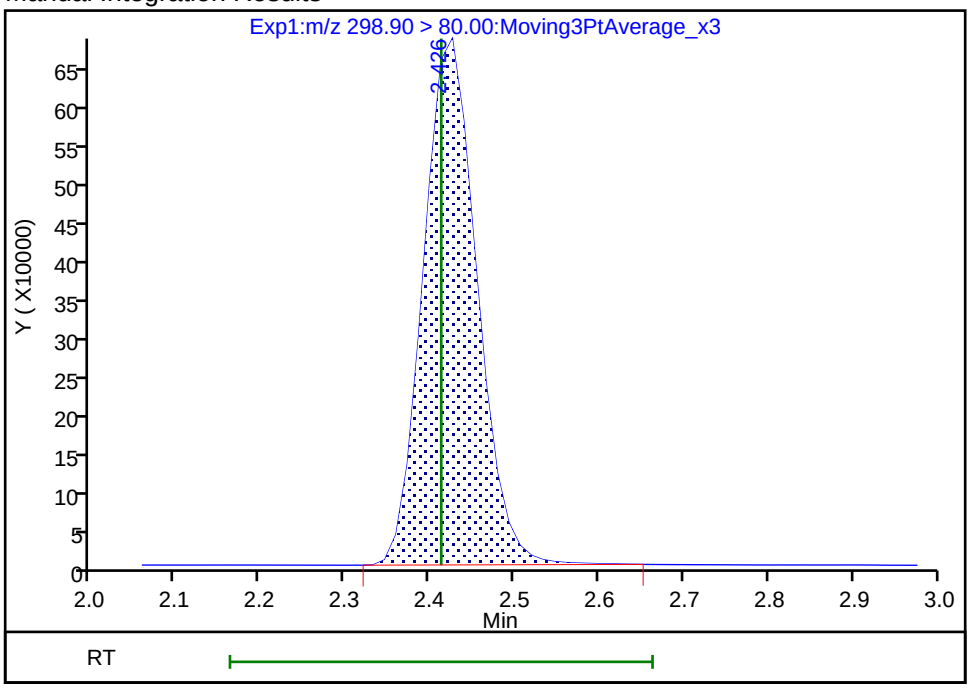
Processing Integration Results

RT: 2.43
Area: 3006403
Amount: 2.042330
Amount Units: ng/ml



Manual Integration Results

RT: 2.43
Area: 2999148
Amount: 2.031310
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:55:06
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

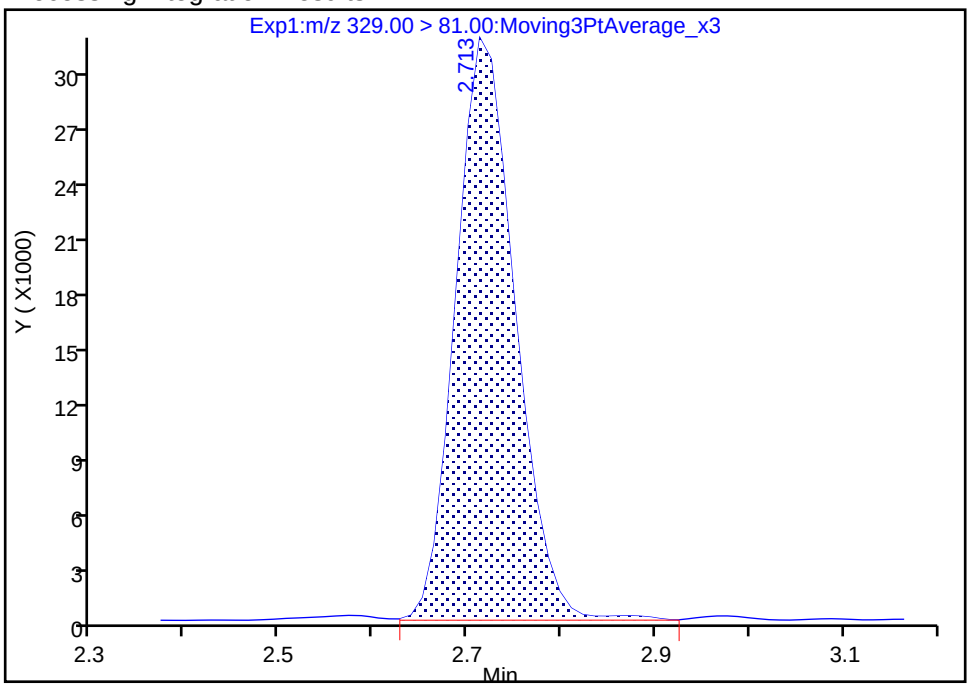
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

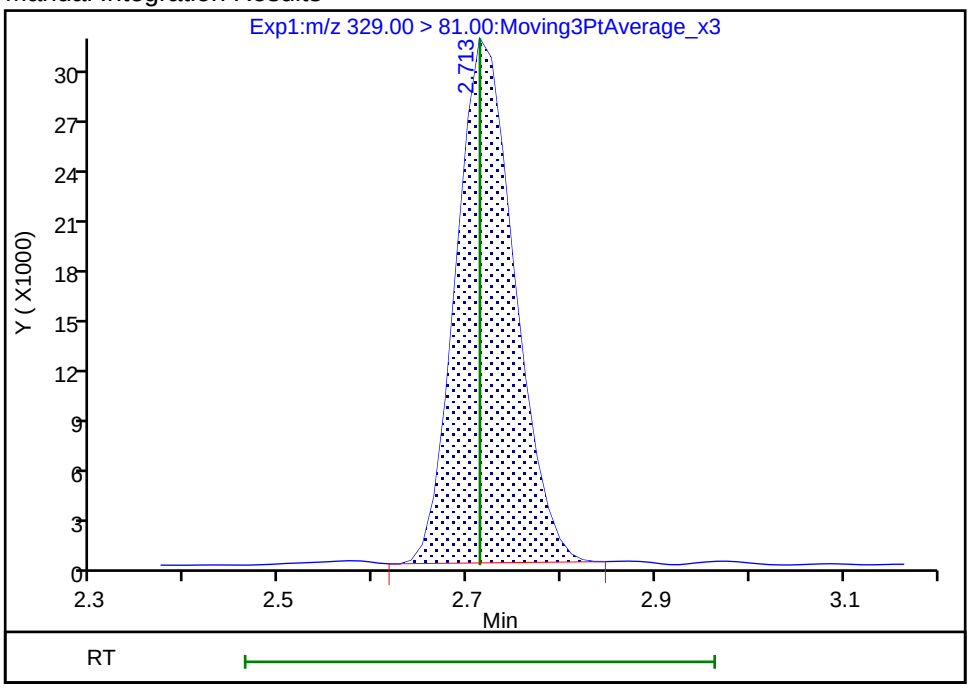
Processing Integration Results

RT: 2.71
Area: 137527
Amount: 1.167094
Amount Units: ng/ml



Manual Integration Results

RT: 2.71
Area: 134930
Amount: 1.171661
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:55:11
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

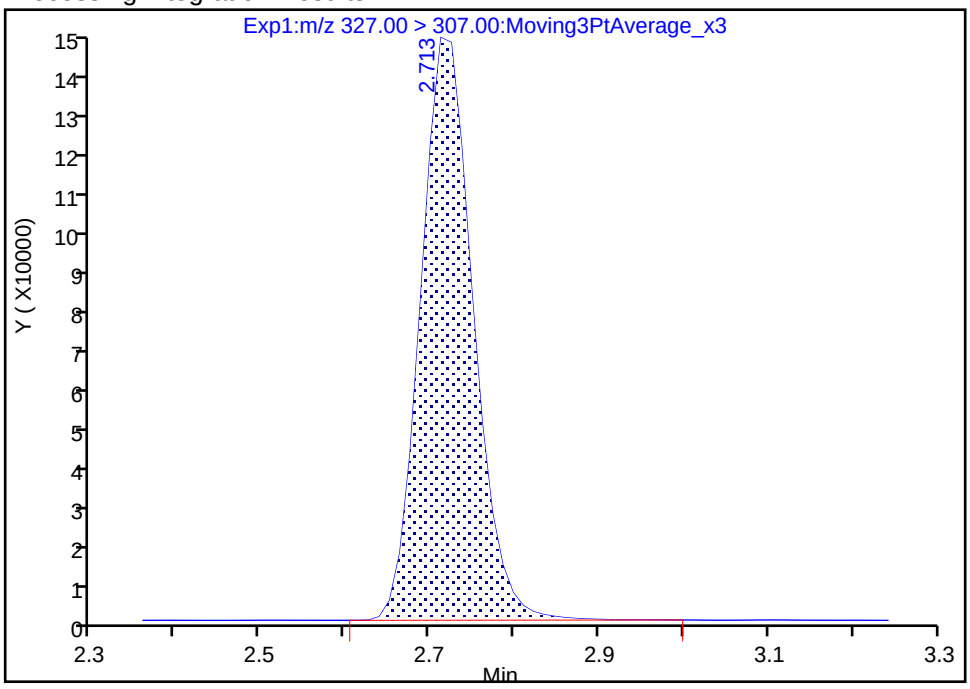
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

61 1H,1H,2H,2H-perfluorohexanesulfo, CAS: 757124-72-4

Signal: 1

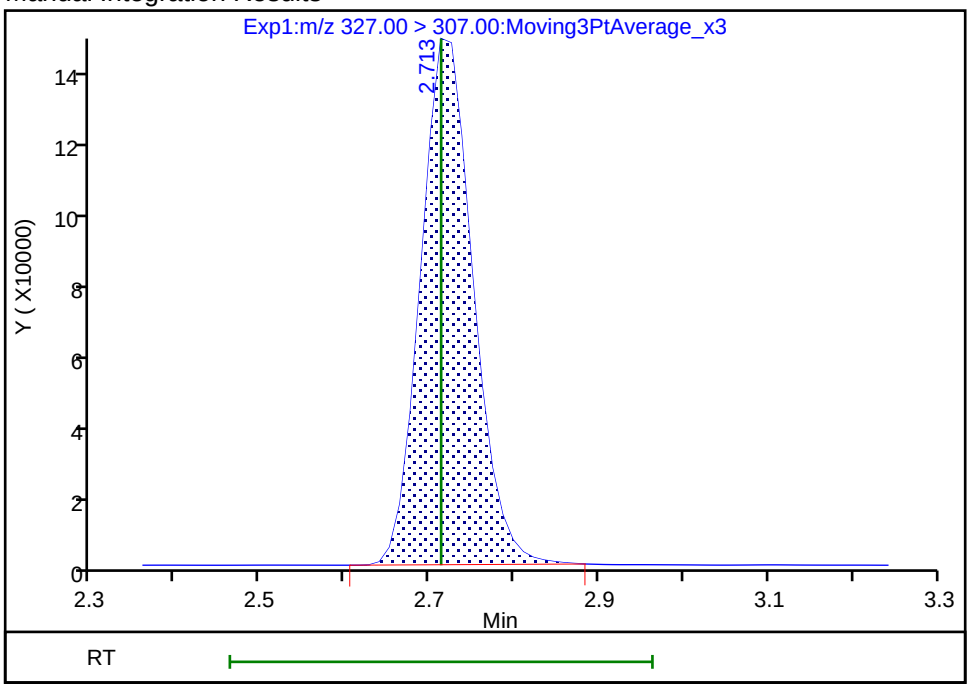
Processing Integration Results

RT: 2.71
Area: 614788
Amount: 2.211290
Amount Units: ng/ml



Manual Integration Results

RT: 2.71
Area: 611993
Amount: 2.227895
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:55:15
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

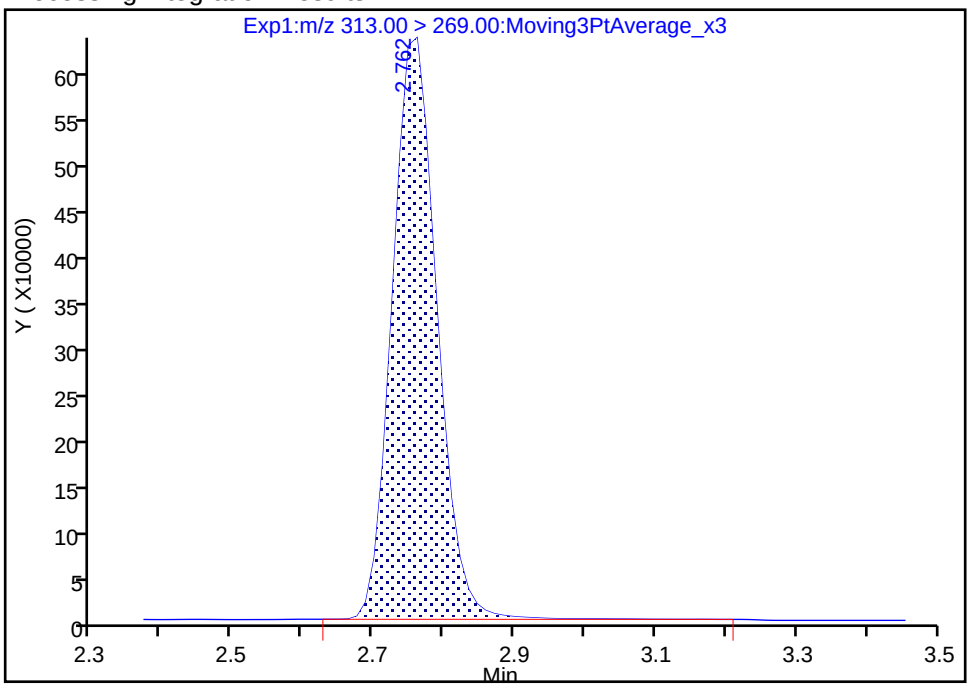
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

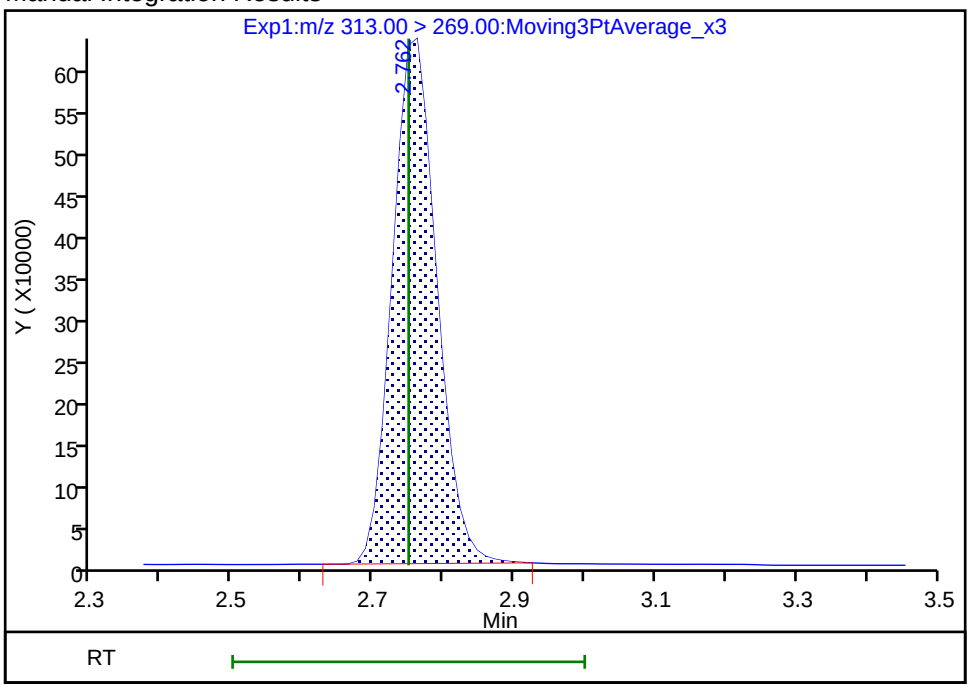
Processing Integration Results

RT: 2.76
Area: 2780993
Amount: 2.310338
Amount Units: ng/ml



Manual Integration Results

RT: 2.76
Area: 2758598
Amount: 2.312091
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:55:20
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

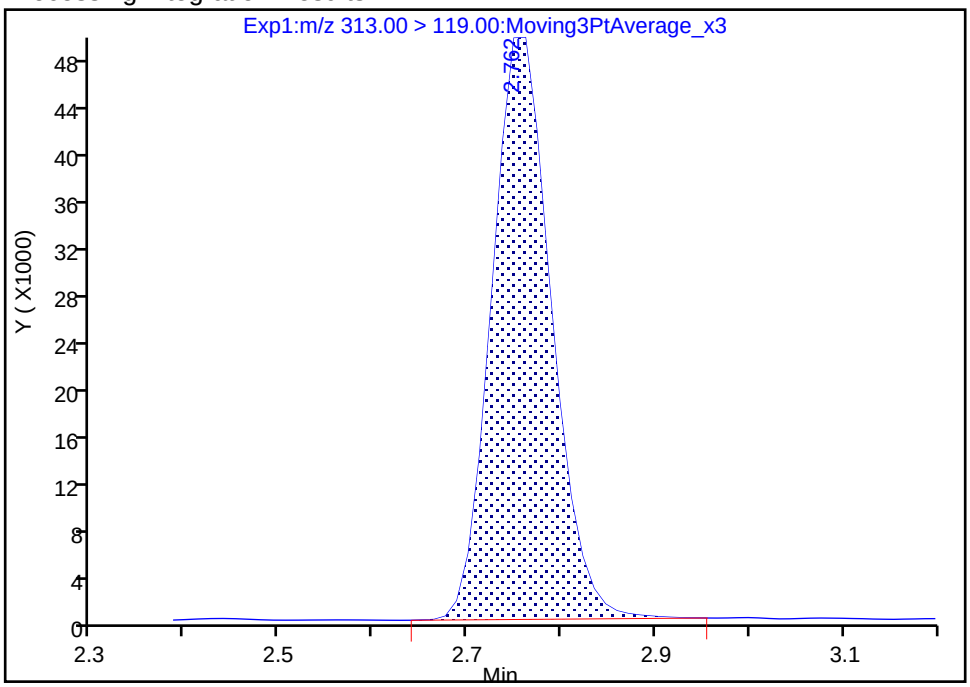
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d				
Injection Date:	03-Aug-2022 13:33:00	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

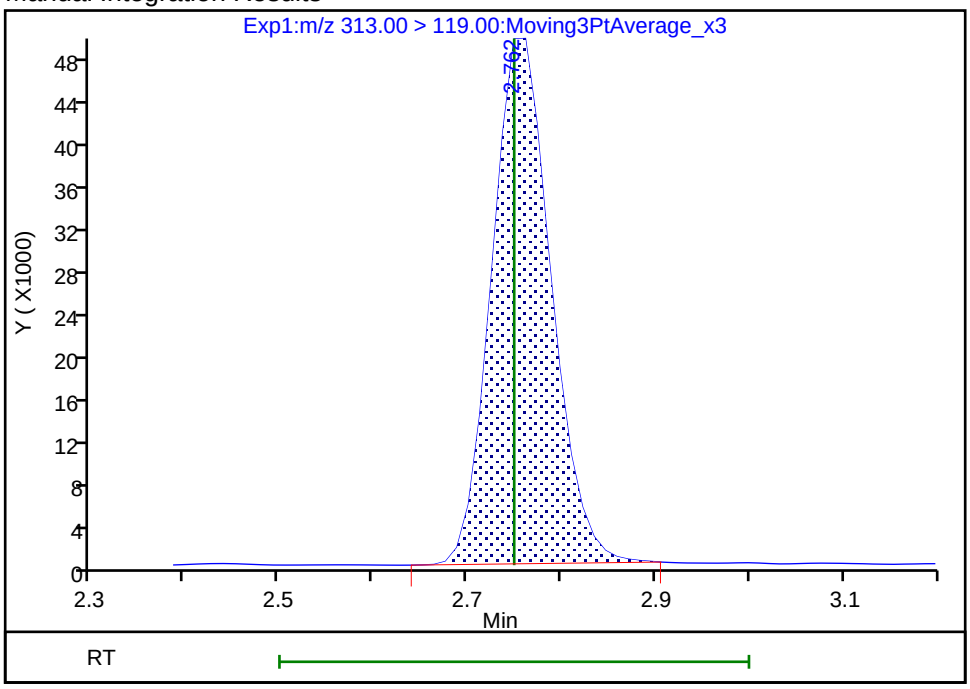
Processing Integration Results

RT: 2.76
Area: 217185
Amount: 2.310338
Amount Units: ng/ml



Manual Integration Results

RT: 2.76
Area: 215969
Amount: 2.312091
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:55:24
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

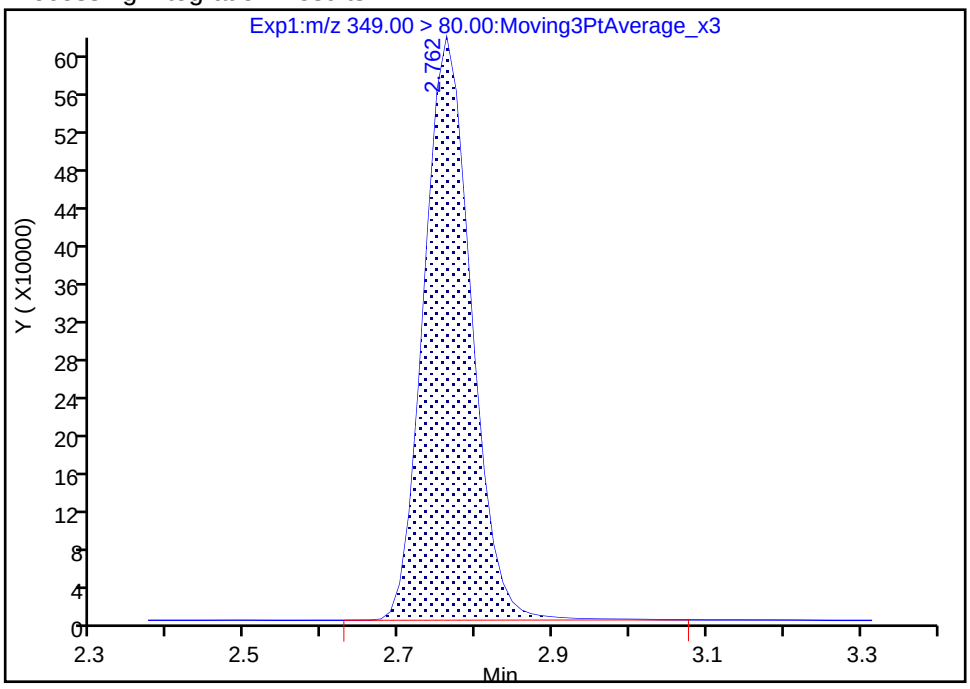
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

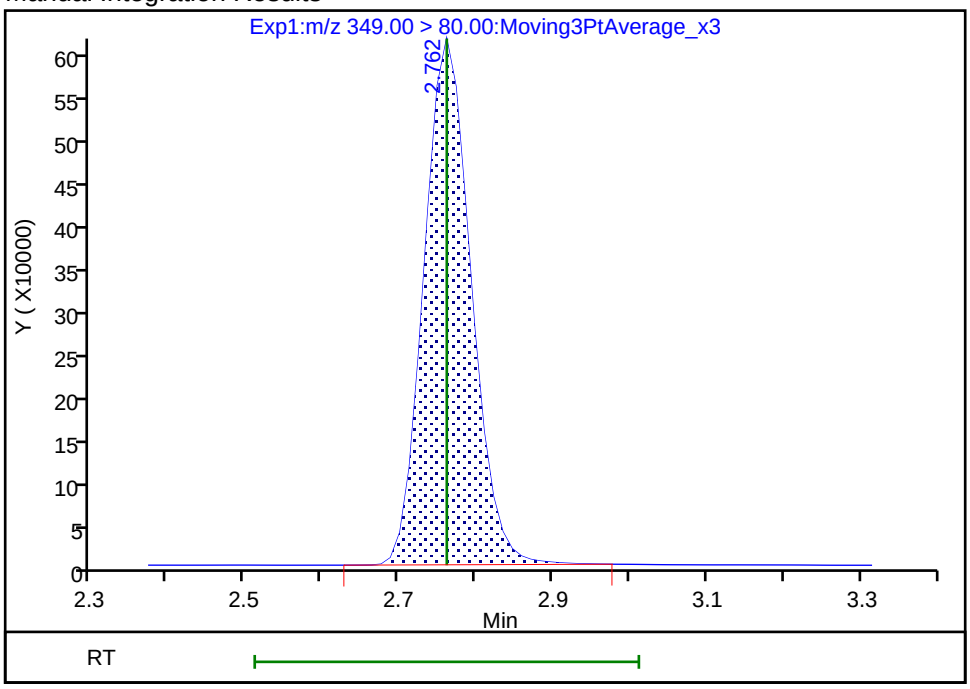
Processing Integration Results

RT: 2.76
Area: 2612537
Amount: 2.173871
Amount Units: ng/ml



Manual Integration Results

RT: 2.76
Area: 2602336
Amount: 2.157408
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:55:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

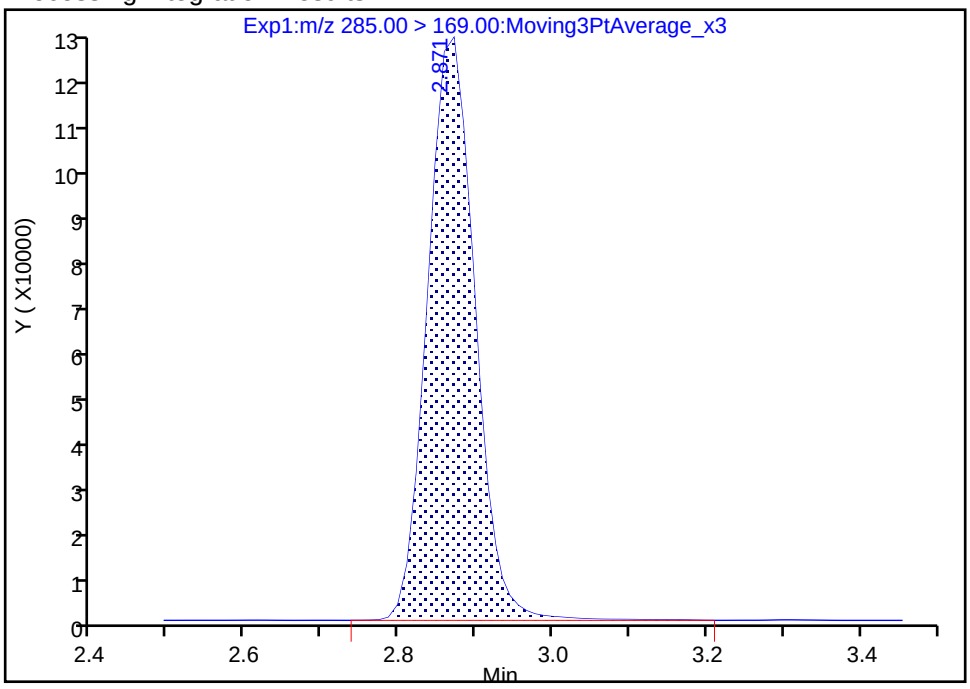
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d				
Injection Date:	03-Aug-2022 13:33:00	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

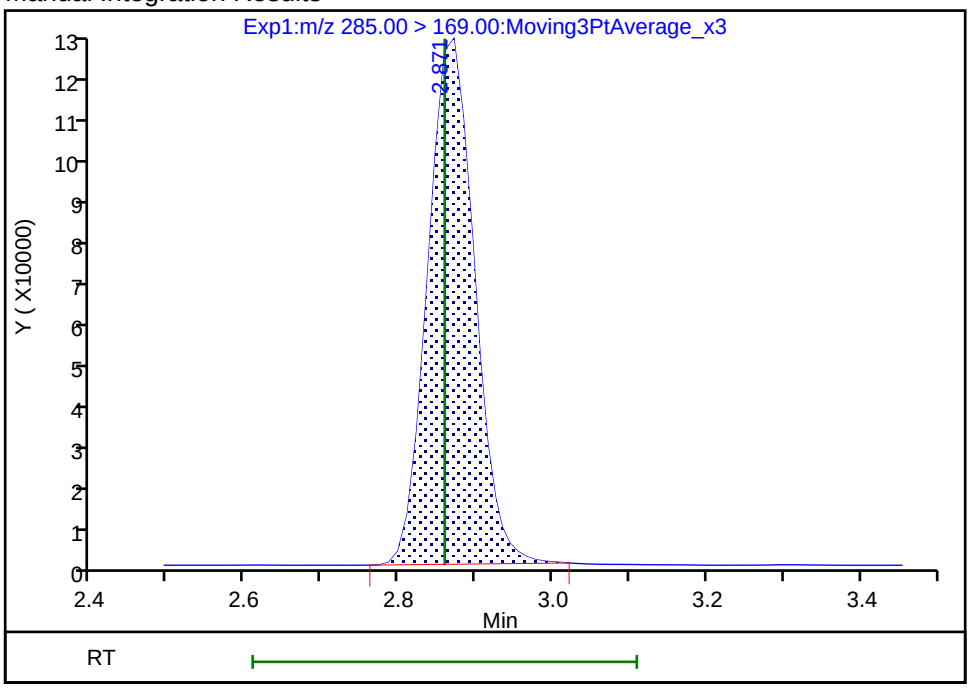
Processing Integration Results

RT: 2.87
Area: 533041
Amount: 2.307024
Amount Units: ng/ml



Manual Integration Results

RT: 2.87
Area: 526717
Amount: 2.275259
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:55:57

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

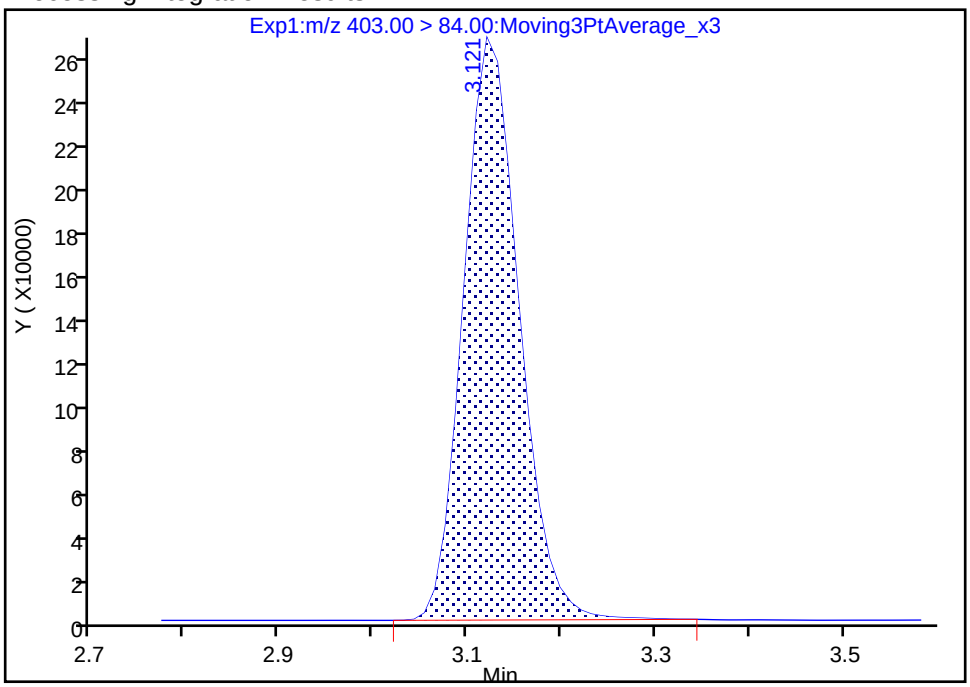
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 11 18O2 PFHxS, CAS: STL00994

Signal: 1

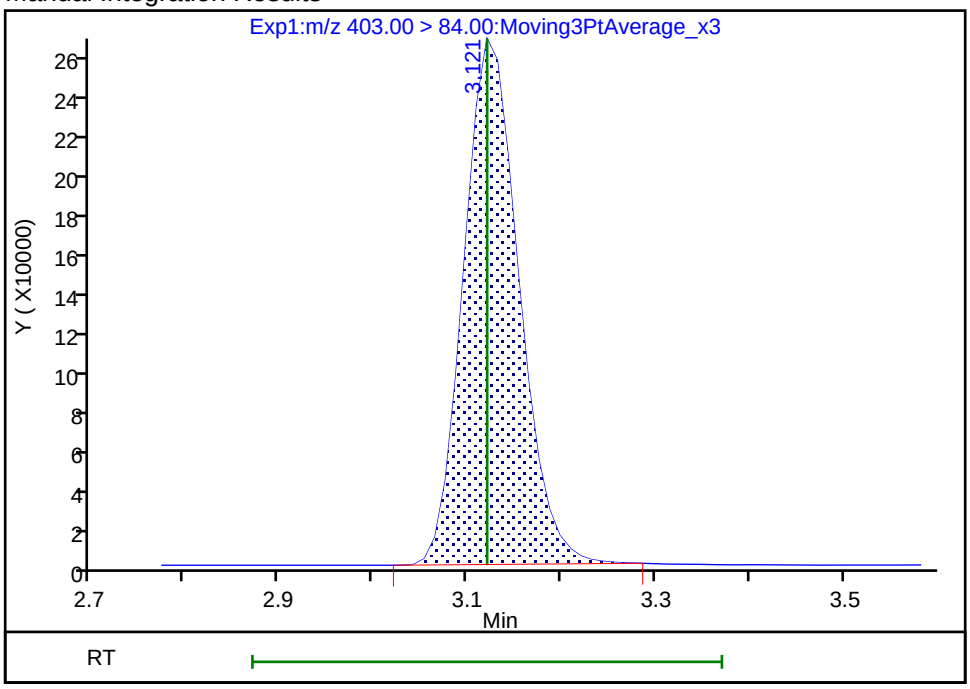
Processing Integration Results

RT: 3.12
Area: 1105754
Amount: 1.118683
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 1100091
Amount: 1.169294
Amount Units: ng/ml



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

Manual Integration/User Assign Peak Report

Eurofins Burlington

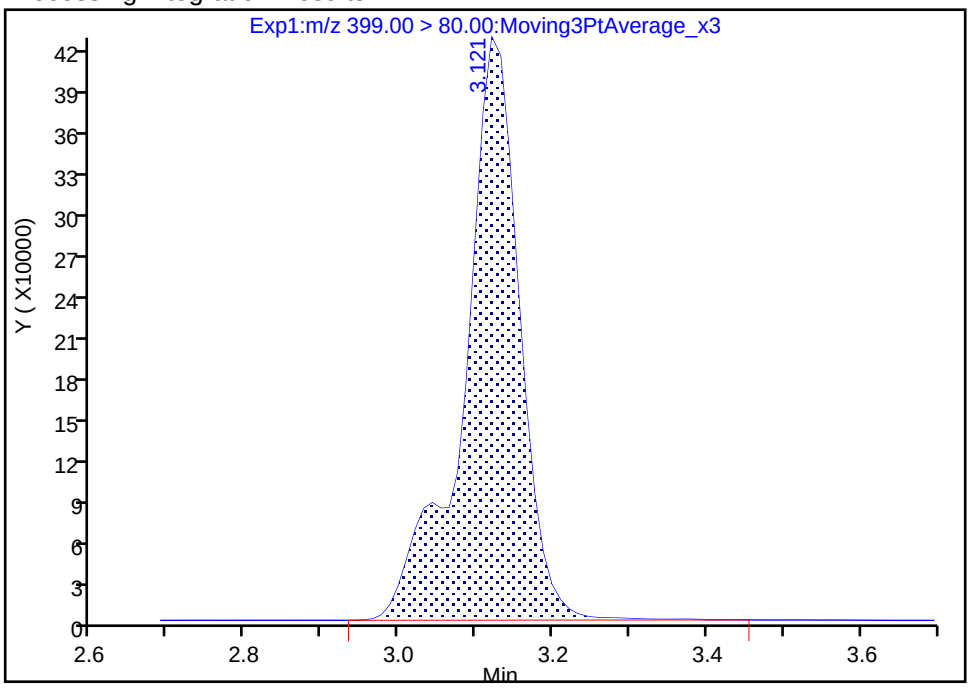
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d				
Injection Date:	03-Aug-2022 13:33:00	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

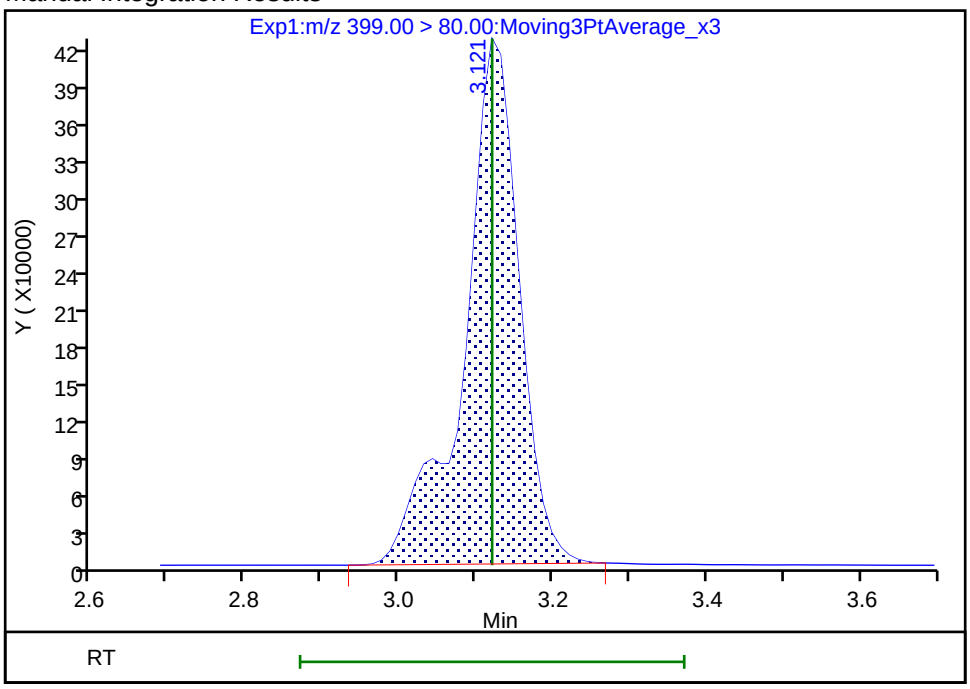
Processing Integration Results

RT: 3.12
Area: 2121601
Amount: 2.057490
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 2100026
Amount: 2.046657
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:56:23

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d

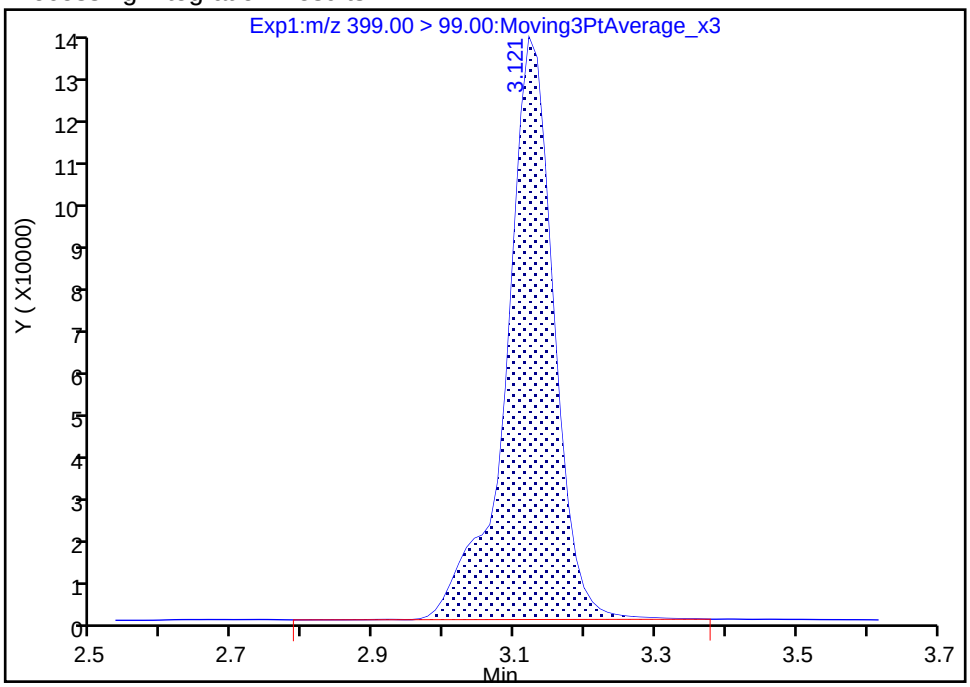
Injection Date:	03-Aug-2022 13:33:00	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

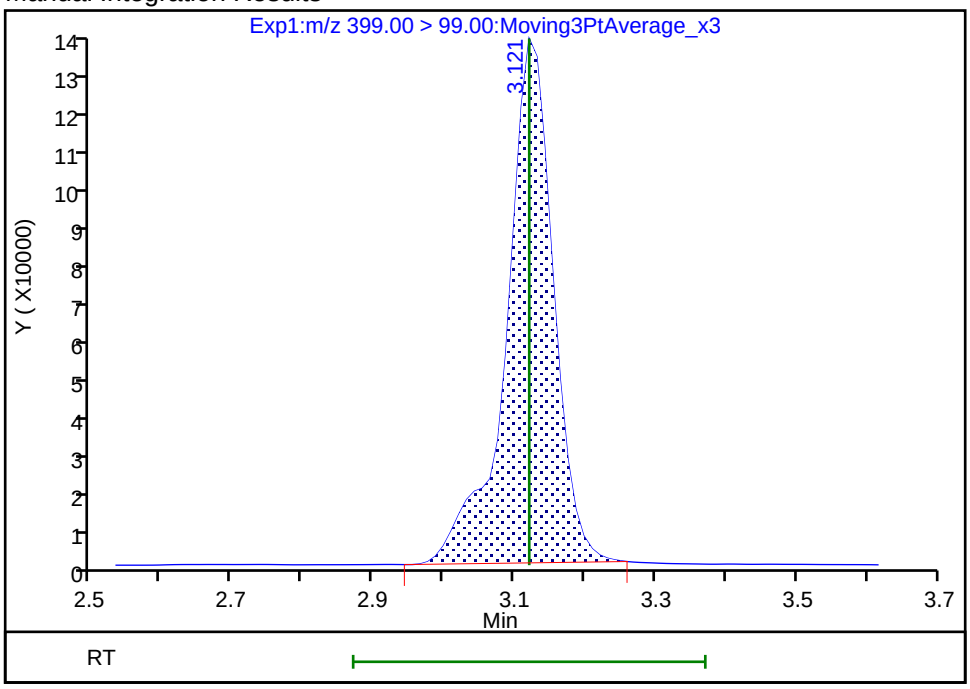
Processing Integration Results

RT: 3.12
Area: 622549
Amount: 2.057490
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 613809
Amount: 2.046657
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:56:28

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

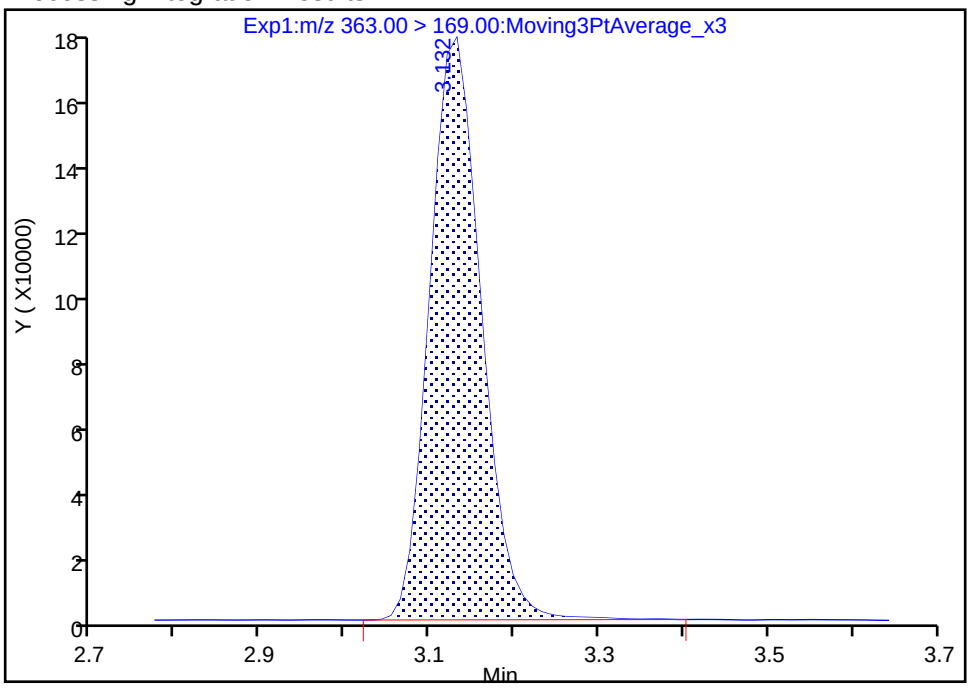
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

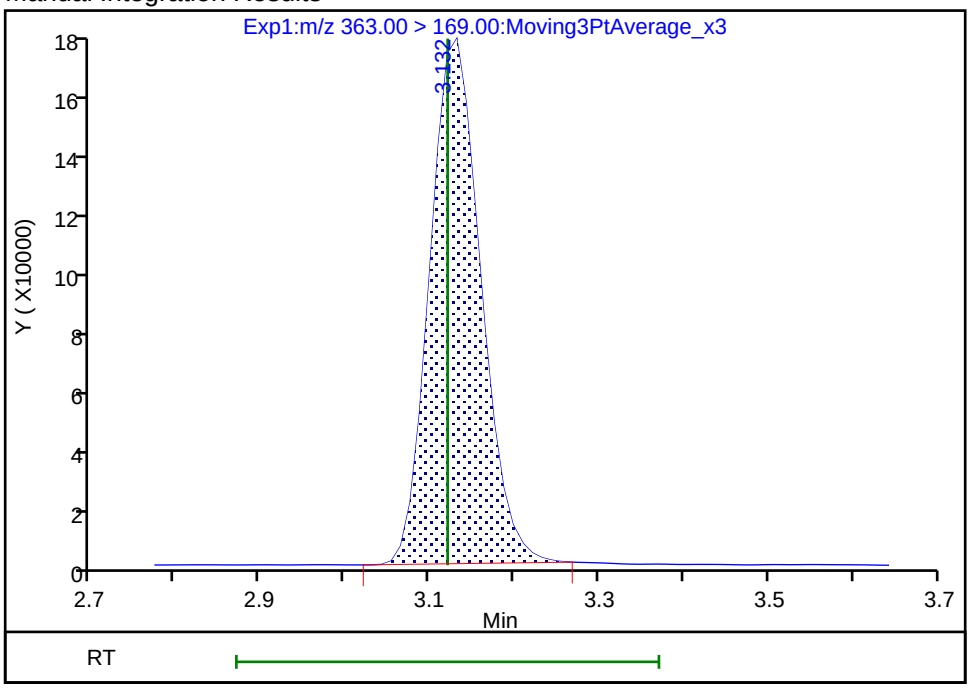
Processing Integration Results

RT: 3.13
Area: 747052
Amount: 2.331953
Amount Units: ng/ml



Manual Integration Results

RT: 3.13
Area: 738346
Amount: 2.317492
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:56:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

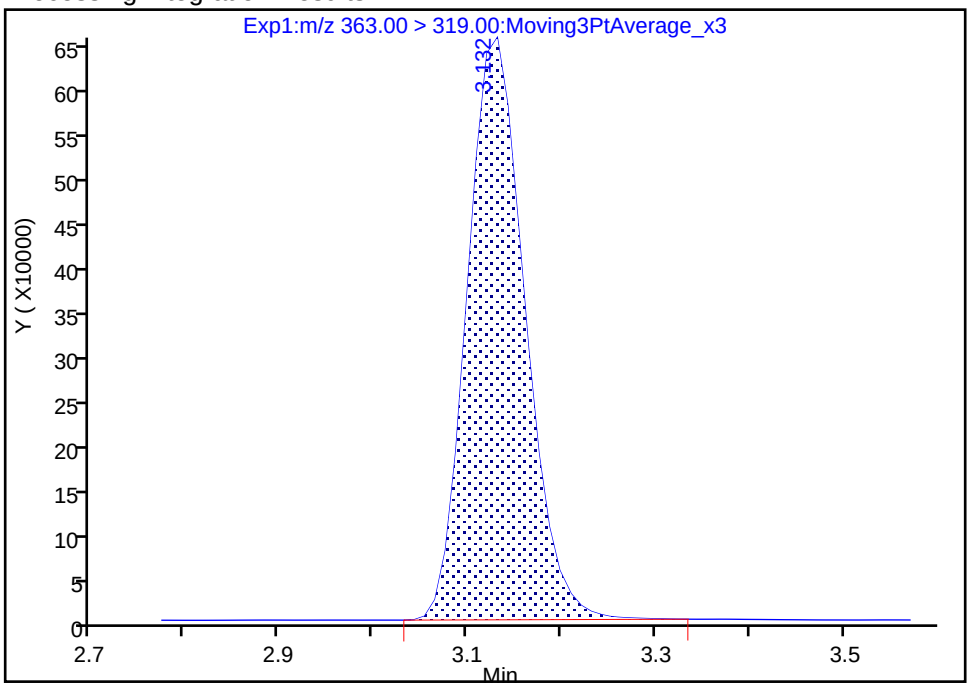
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

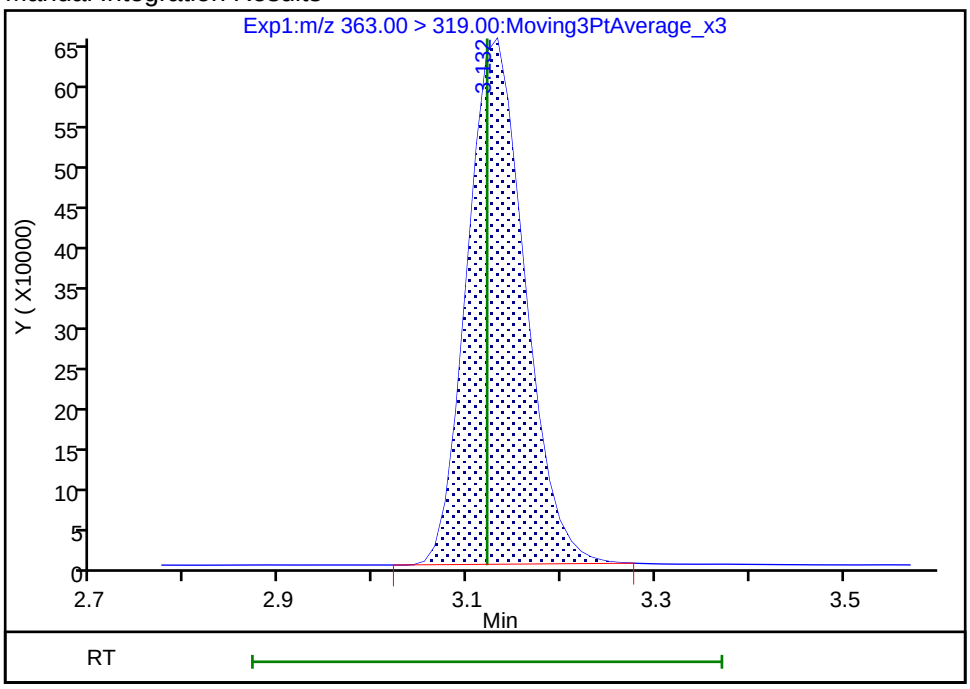
Processing Integration Results

RT: 3.13
Area: 2807999
Amount: 2.331953
Amount Units: ng/ml



Manual Integration Results

RT: 3.13
Area: 2794876
Amount: 2.317492
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:56:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

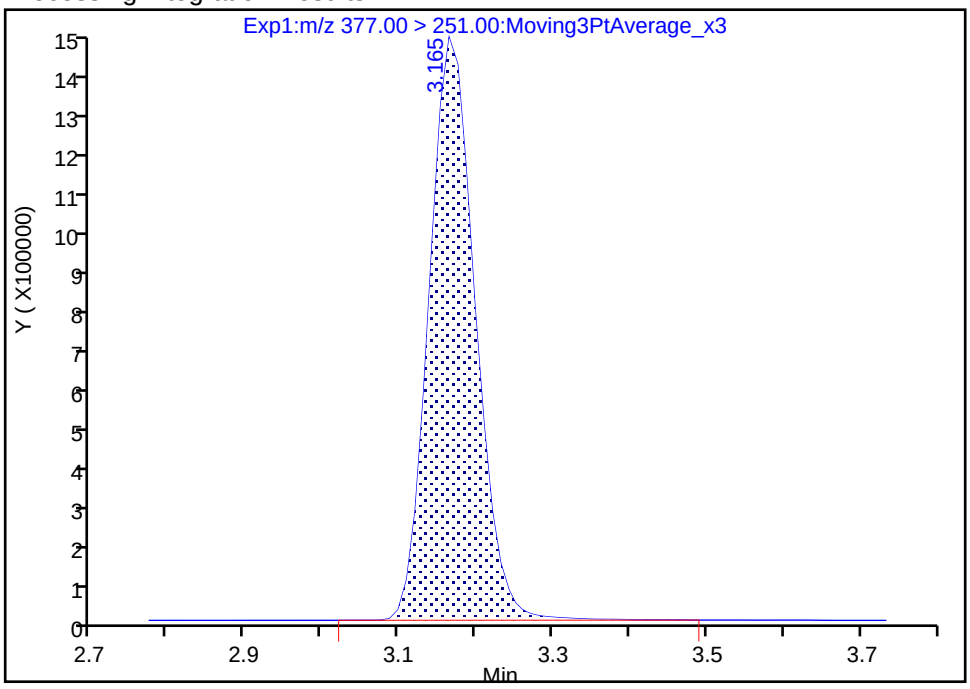
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d				
Injection Date:	03-Aug-2022 13:33:00	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

77 DONA, CAS: 919005-14-4

Signal: 1

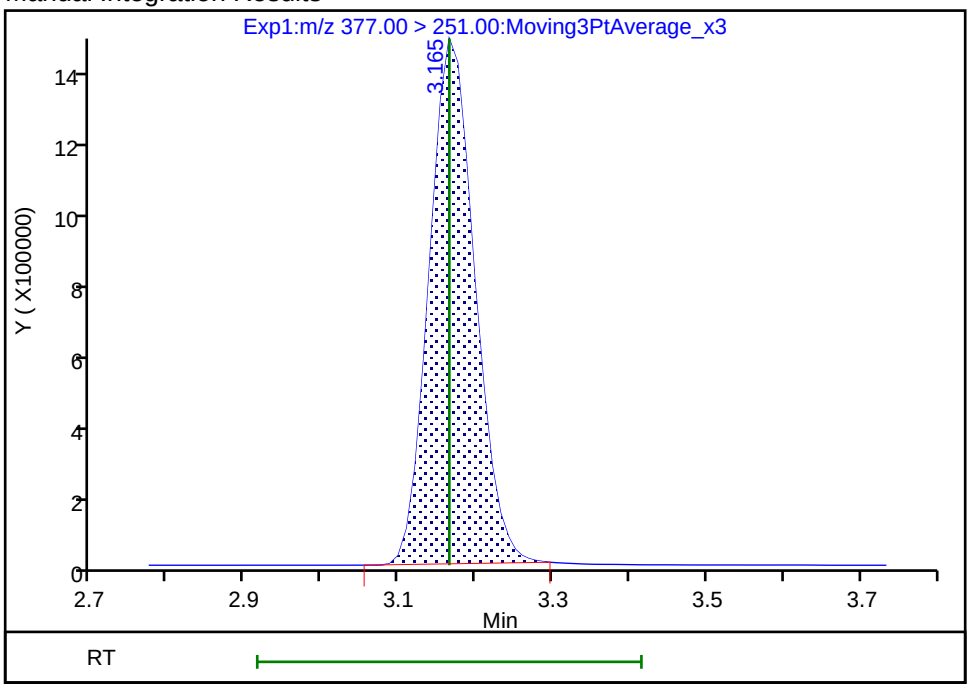
Processing Integration Results

RT: 3.16
Area: 6147886
Amount: 2.235936
Amount Units: ng/ml



Manual Integration Results

RT: 3.16
Area: 6067195
Amount: 2.134400
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:56:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

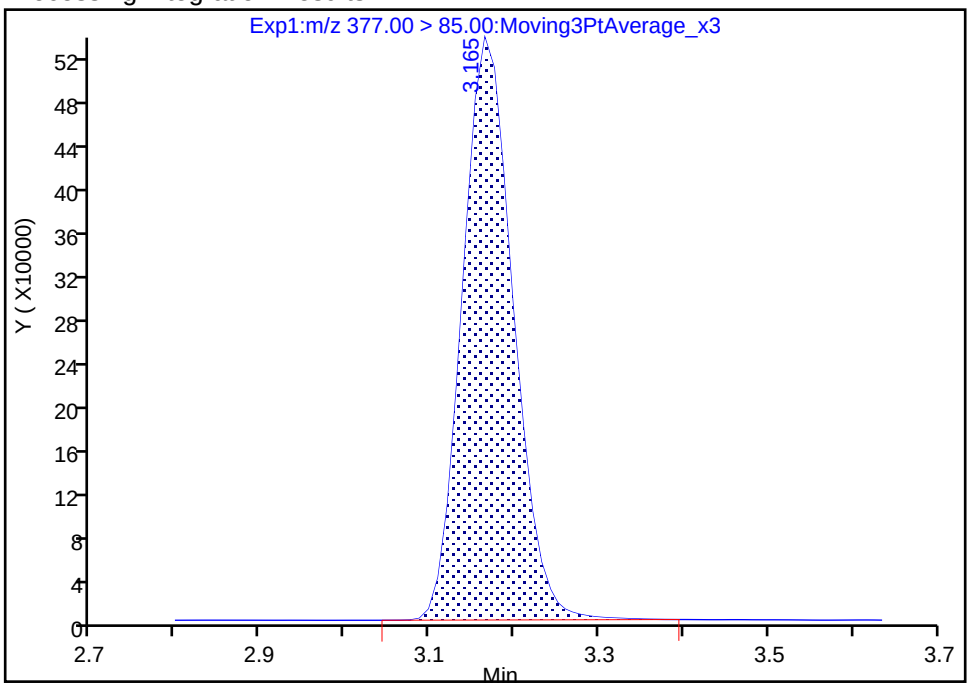
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d				
Injection Date:	03-Aug-2022 13:33:00	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

77 DONA, CAS: 919005-14-4

Signal: 2

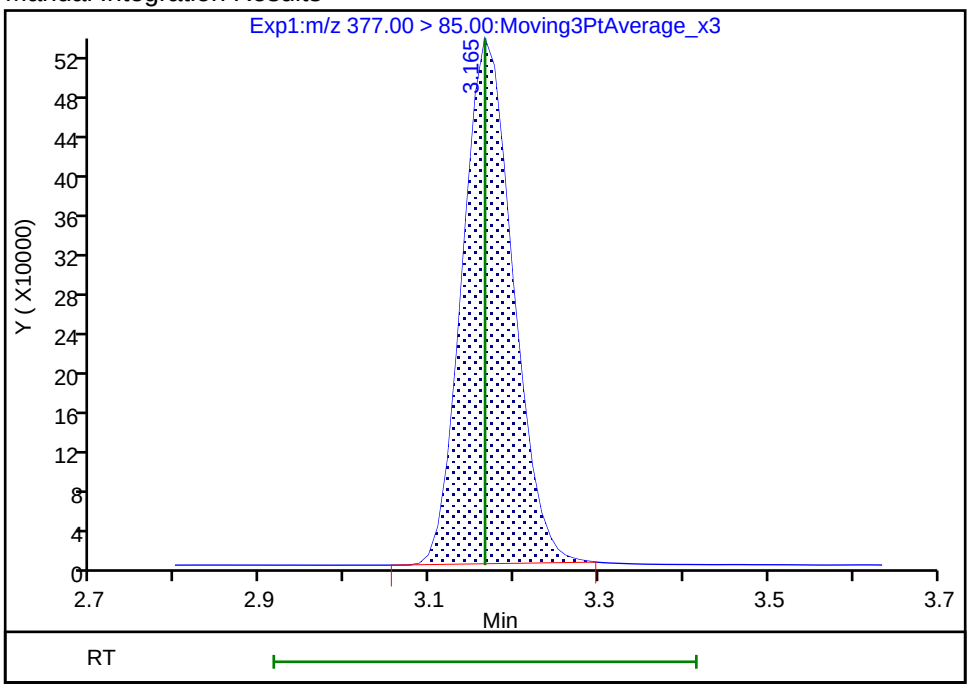
Processing Integration Results

RT: 3.16
Area: 2217052
Amount: 2.235936
Amount Units: ng/ml



Manual Integration Results

RT: 3.16
Area: 2193406
Amount: 2.134400
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:56:39

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

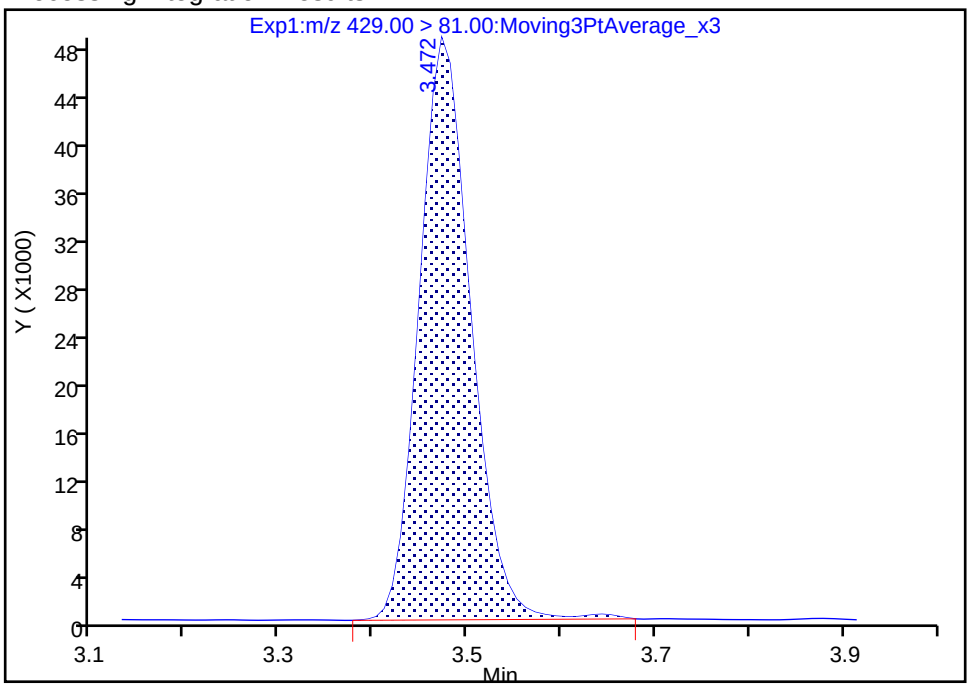
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

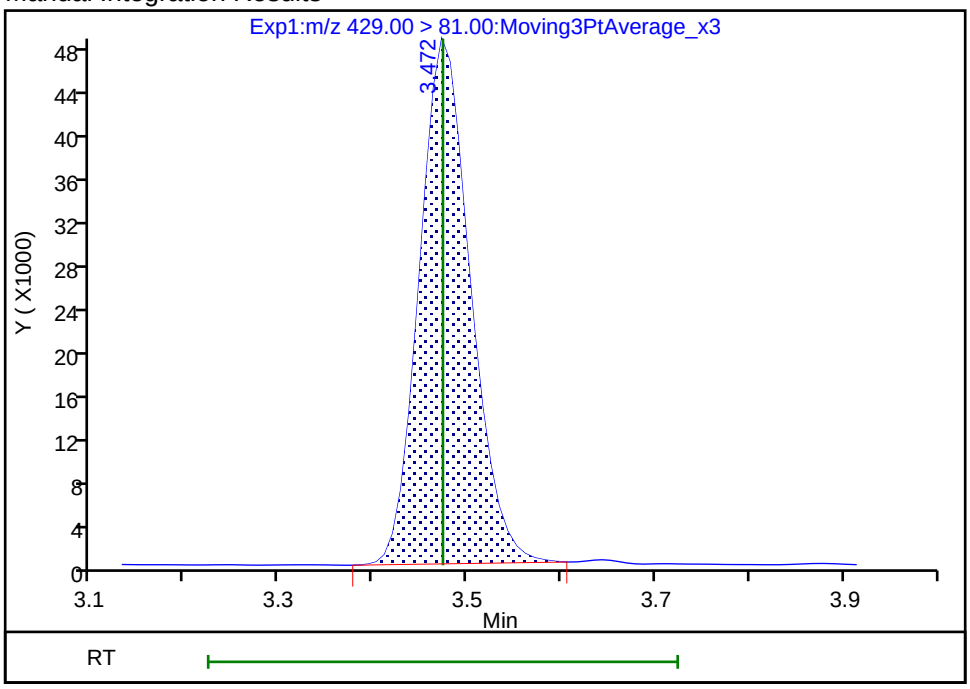
Processing Integration Results

RT: 3.47
Area: 184516
Amount: 1.129896
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 182060
Amount: 1.156185
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:56:46
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

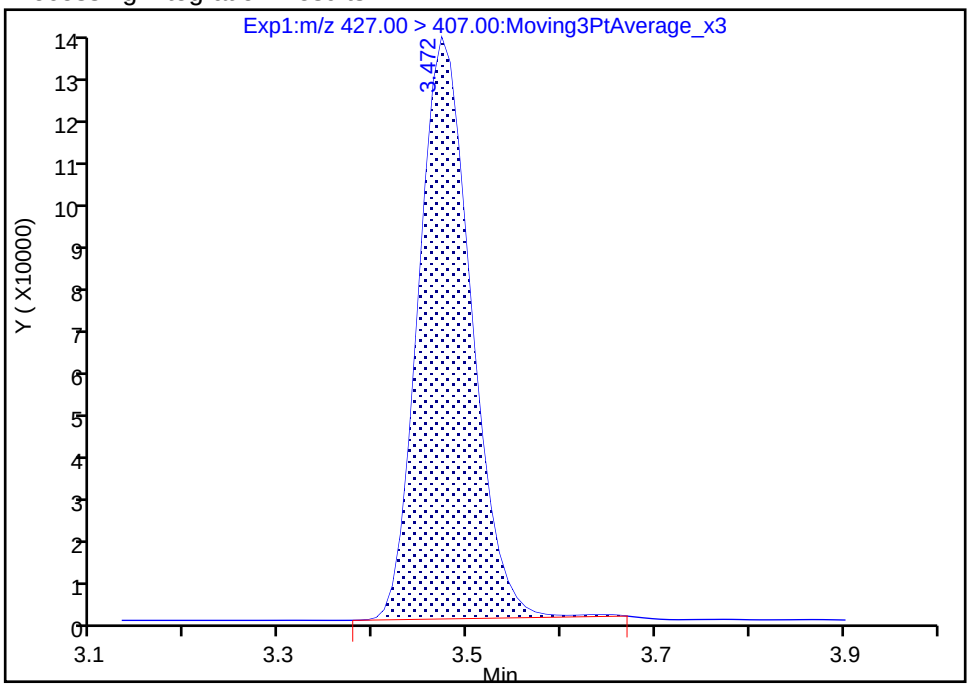
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

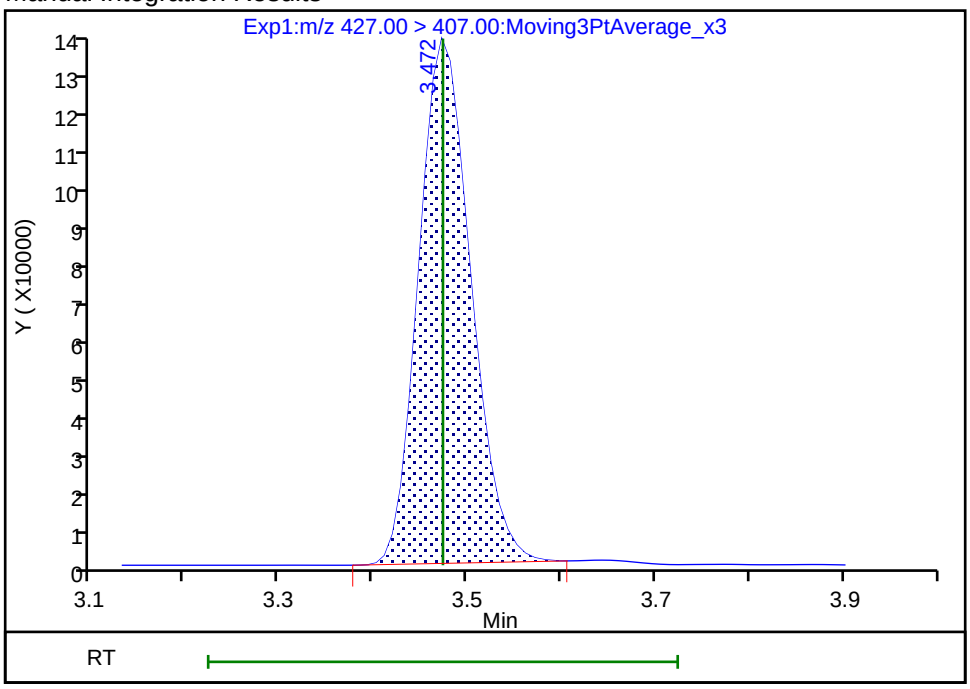
Processing Integration Results

RT: 3.47
Area: 521484
Amount: 2.230744
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 517908
Amount: 2.301410
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:56:51
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

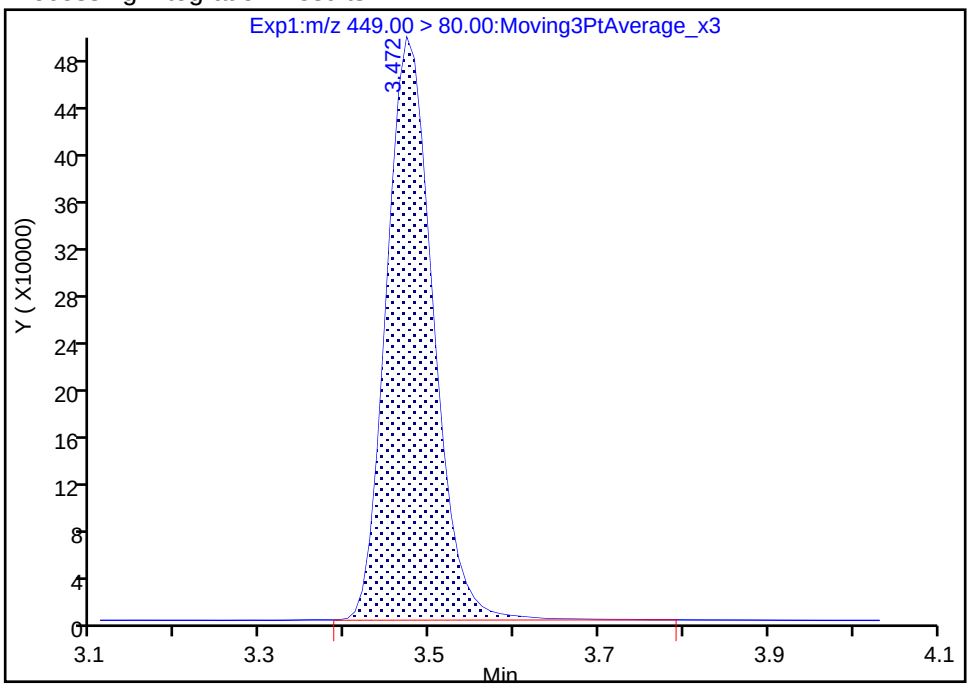
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d				
Injection Date:	03-Aug-2022 13:33:00	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

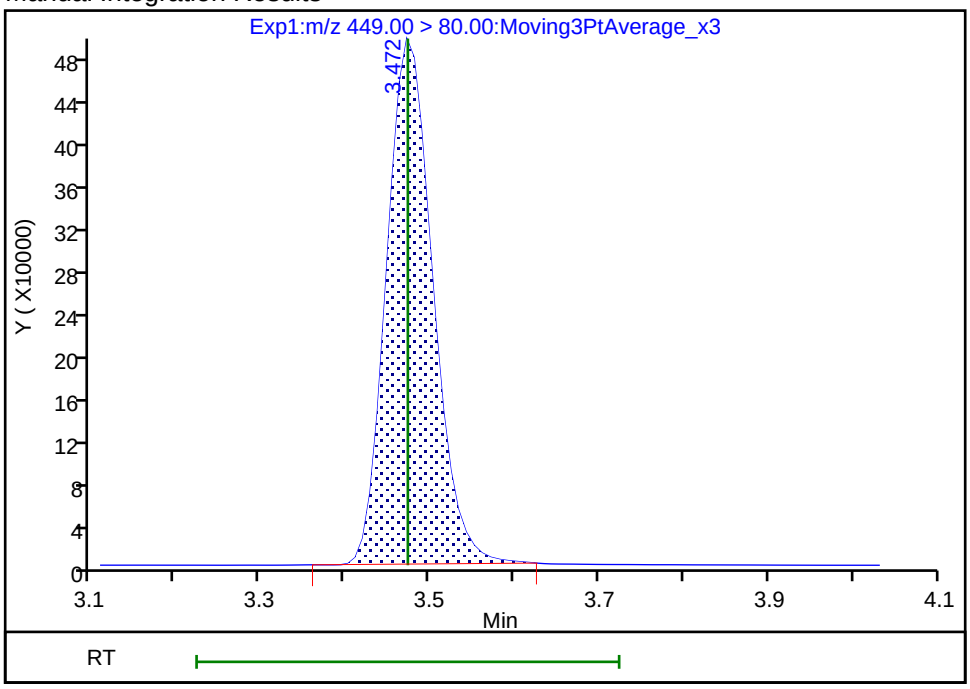
Processing Integration Results

RT: 3.47
Area: 1888833
Amount: 2.218842
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 1868882
Amount: 2.190859
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:56:57

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

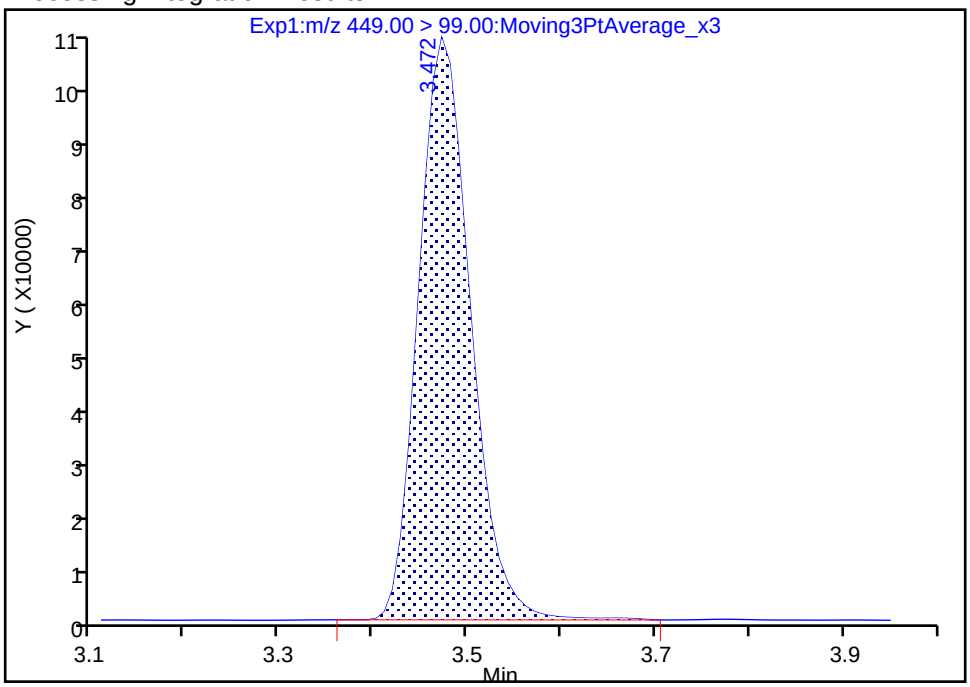
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d				
Injection Date:	03-Aug-2022 13:33:00	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

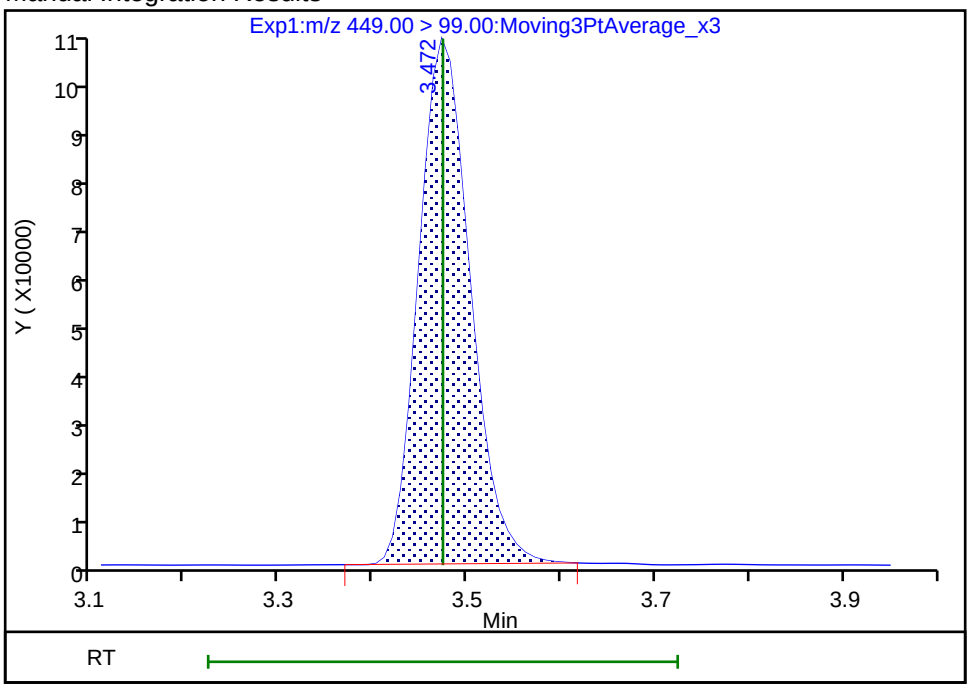
Processing Integration Results

RT: 3.47
Area: 392766
Amount: 2.218842
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 388606
Amount: 2.190859
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:57:01
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

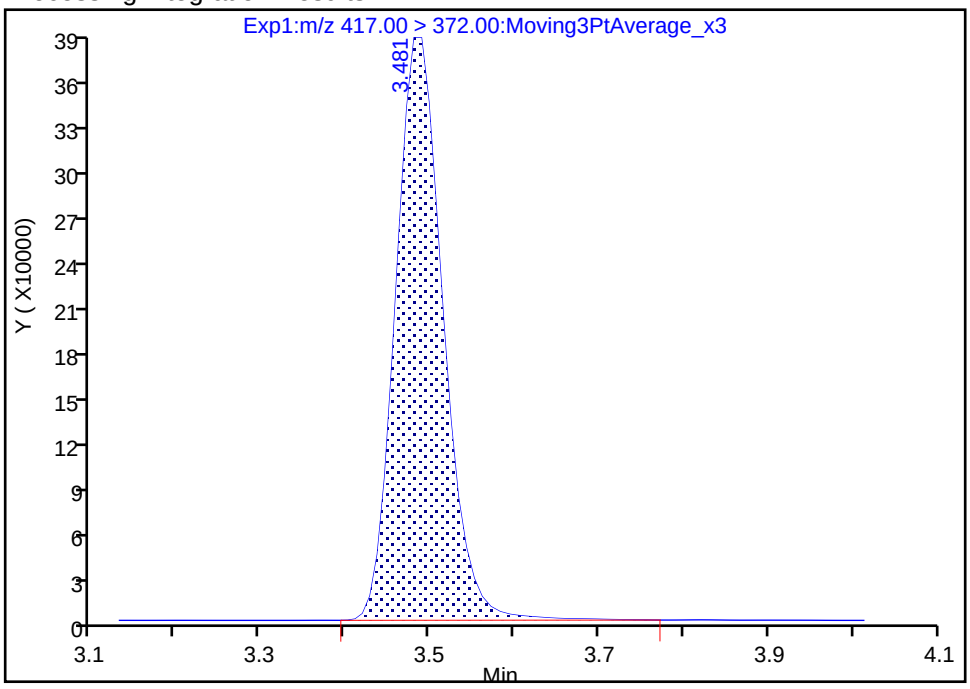
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

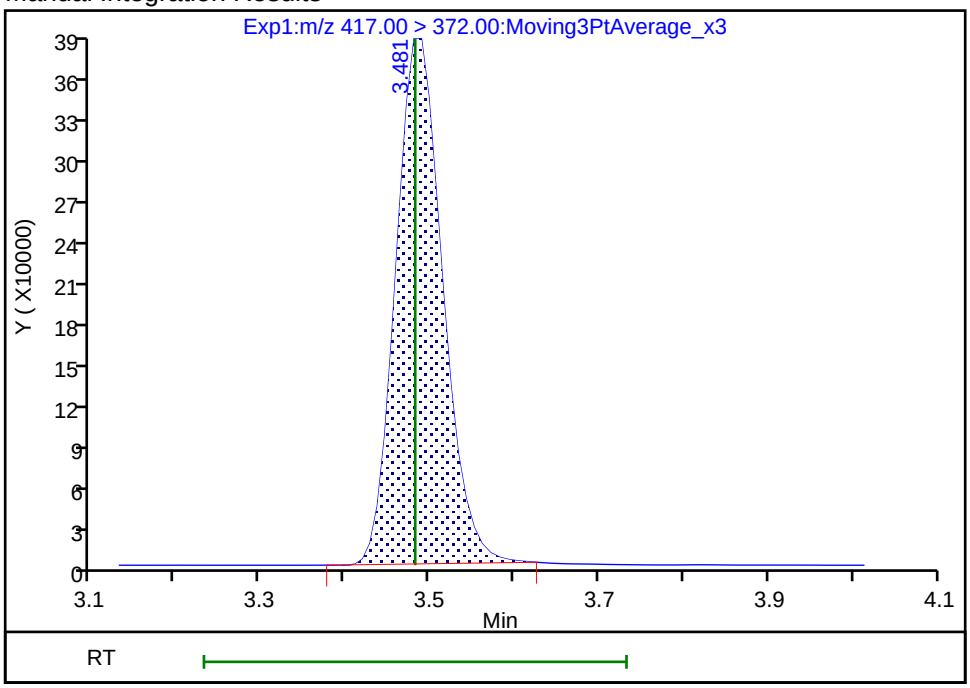
Processing Integration Results

RT: 3.48
Area: 1506031
Amount: 1.225890
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 1484954
Amount: 1.210462
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:57:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

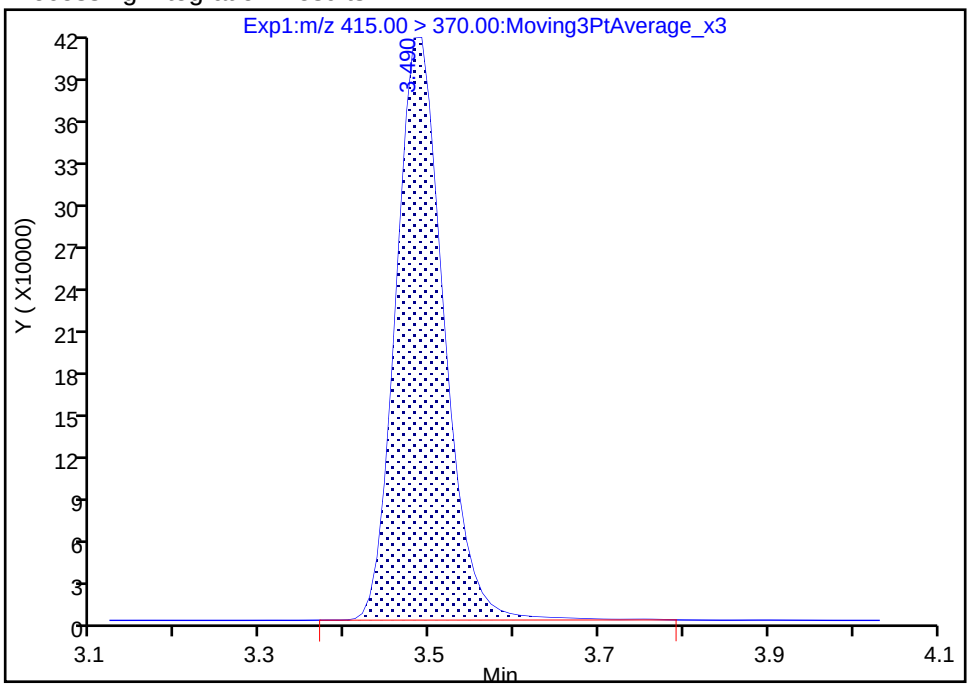
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

* 62 13C2 PFOA, CAS: STL00623

Signal: 1

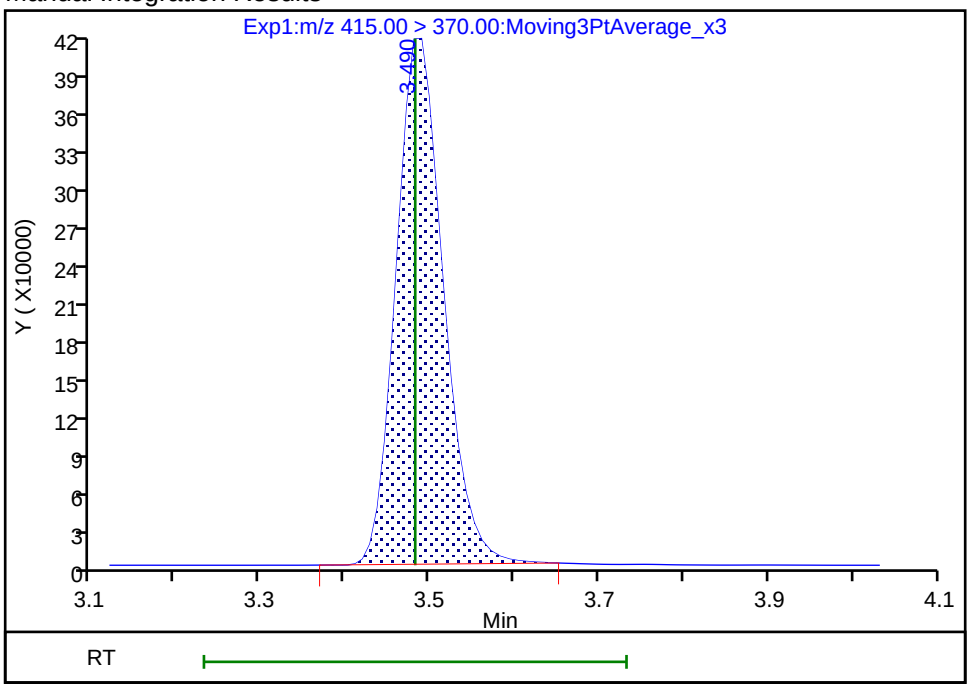
Processing Integration Results

RT: 3.49
Area: 1627247
Amount: 1.250000
Amount Units: ng/ml



Manual Integration Results

RT: 3.49
Area: 1609879
Amount: 1.250000
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:57:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

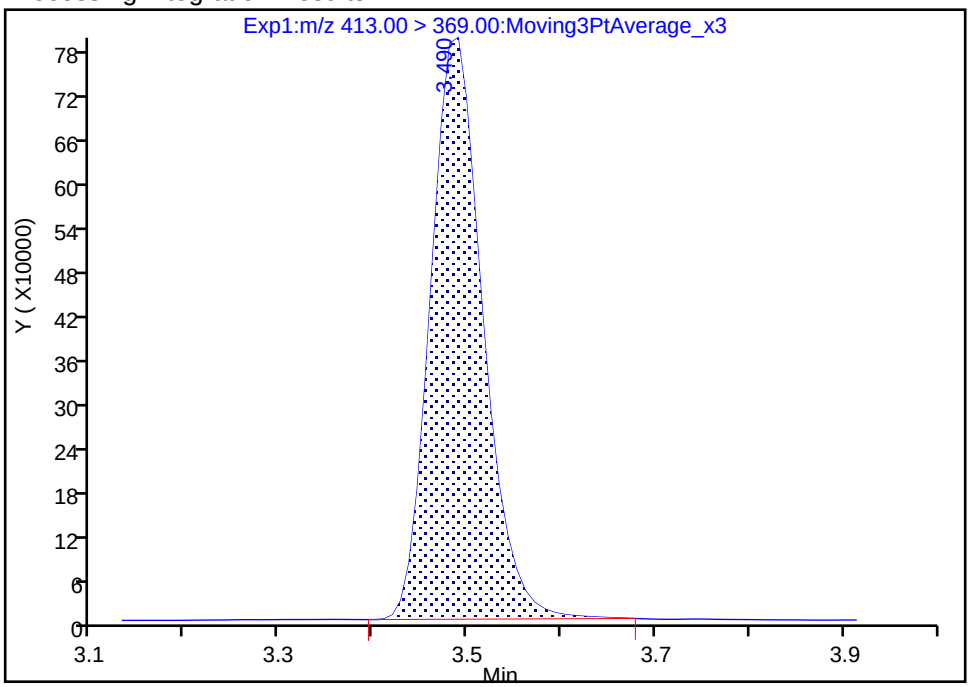
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

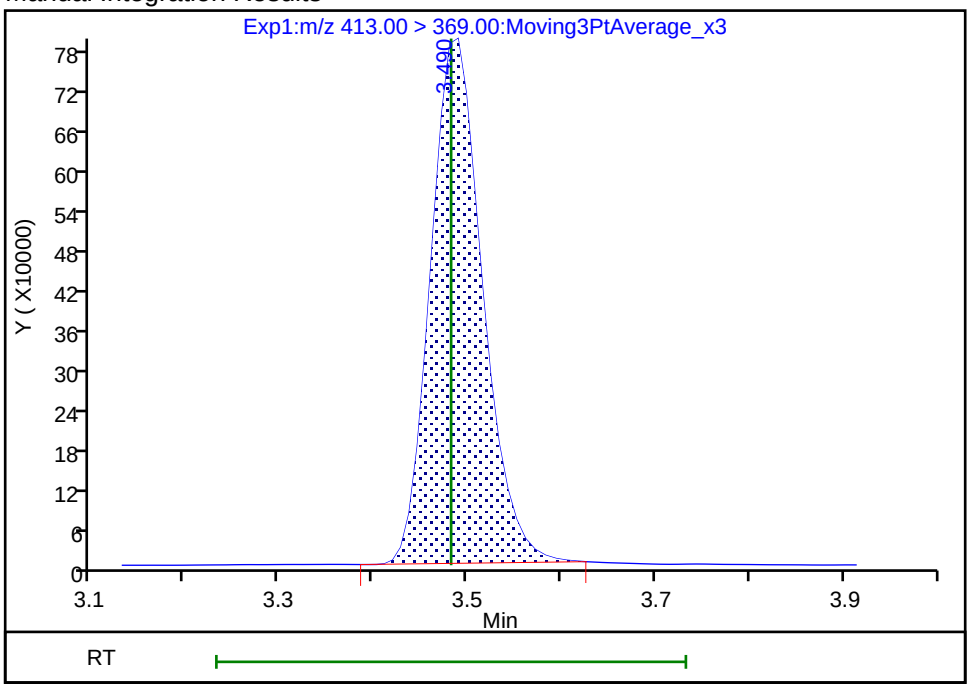
Processing Integration Results

RT: 3.49
Area: 3051411
Amount: 2.249285
Amount Units: ng/ml



Manual Integration Results

RT: 3.49
Area: 3024763
Amount: 2.270536
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:57:10
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

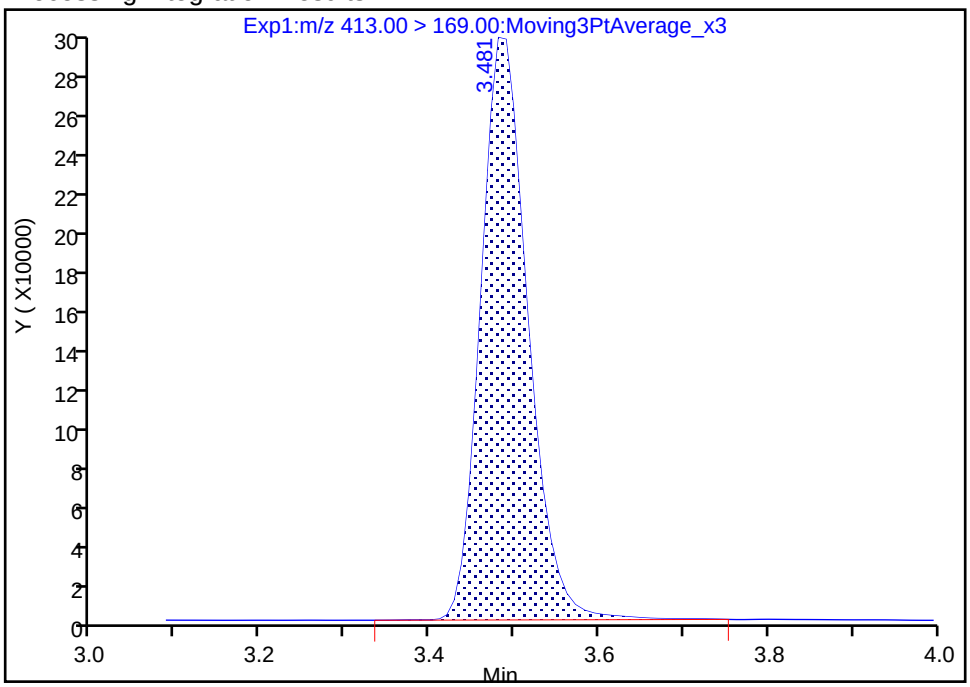
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

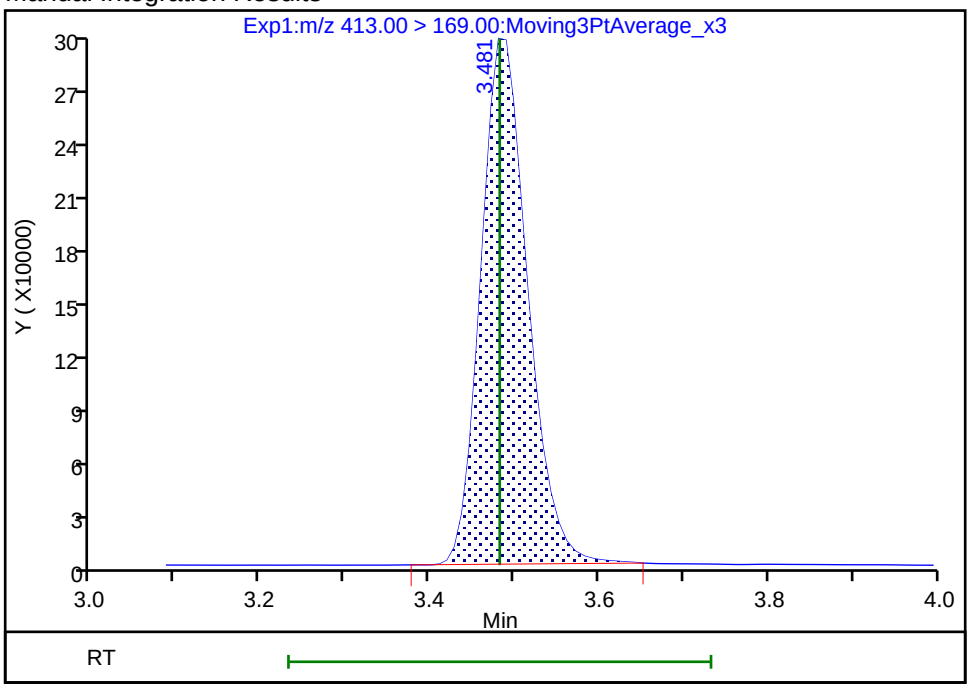
Processing Integration Results

RT: 3.48
Area: 1144648
Amount: 2.249285
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 1134261
Amount: 2.270536
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:57:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

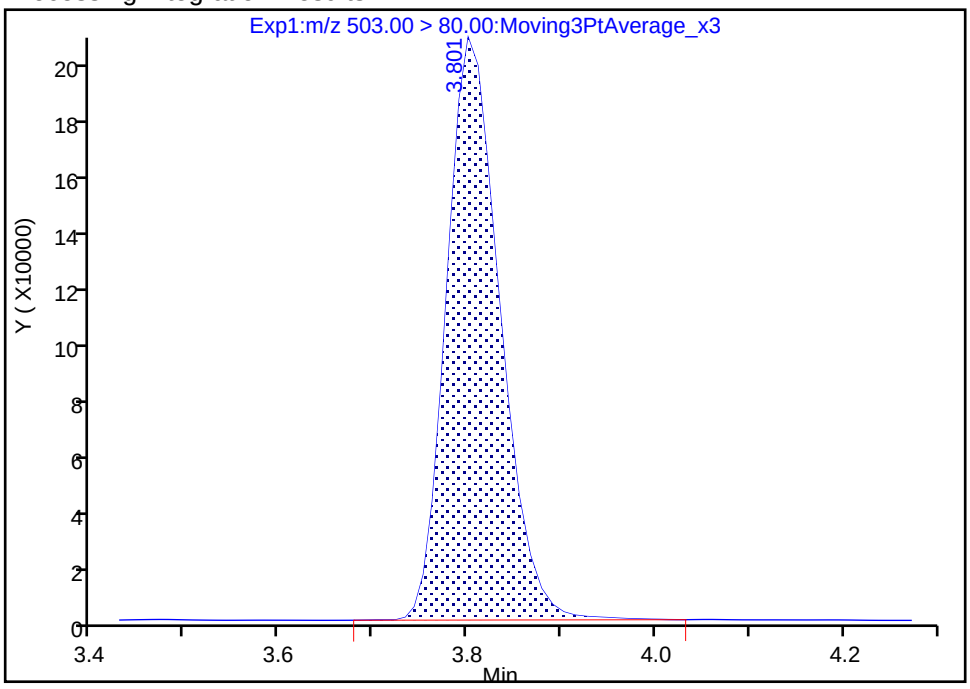
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 18 13C4 PFOS, CAS: STL00991

Signal: 1

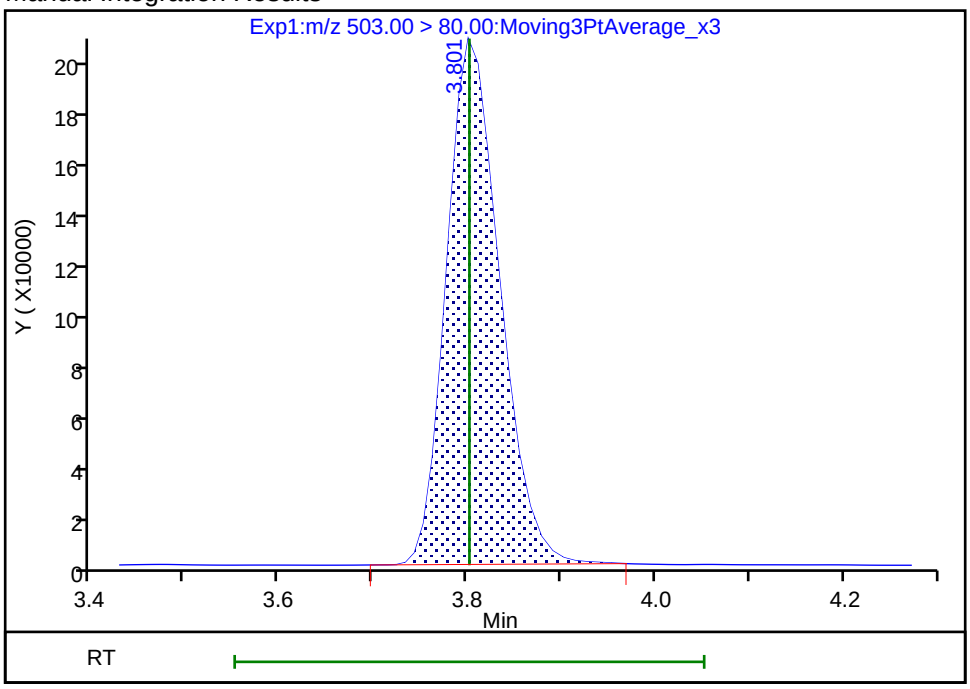
Processing Integration Results

RT: 3.80
Area: 829470
Amount: 1.113603
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 824732
Amount: 1.173991
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:58:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

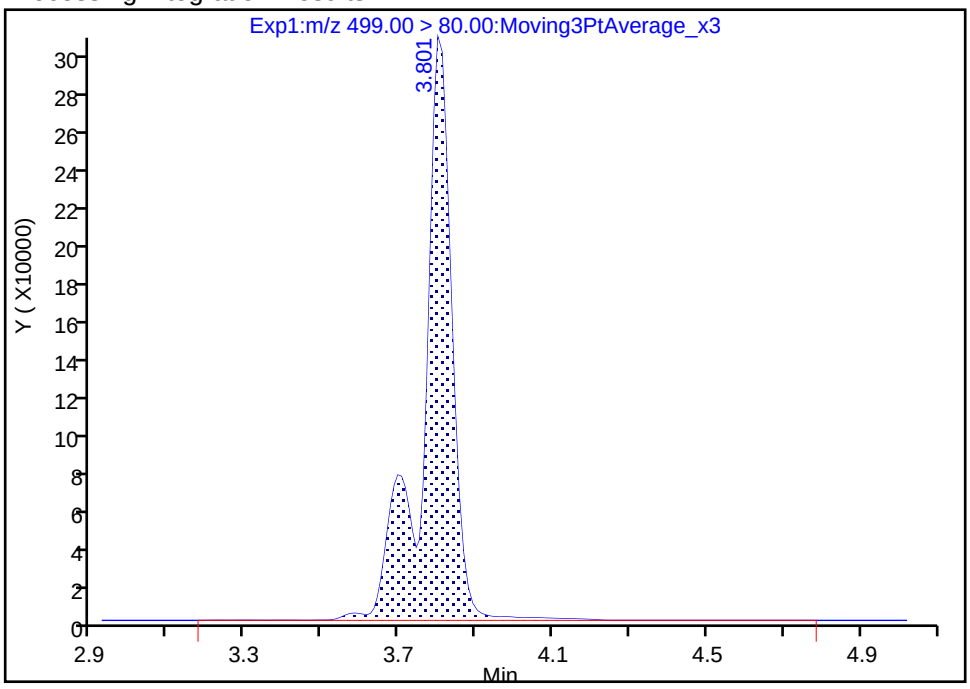
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d				
Injection Date:	03-Aug-2022 13:33:00	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

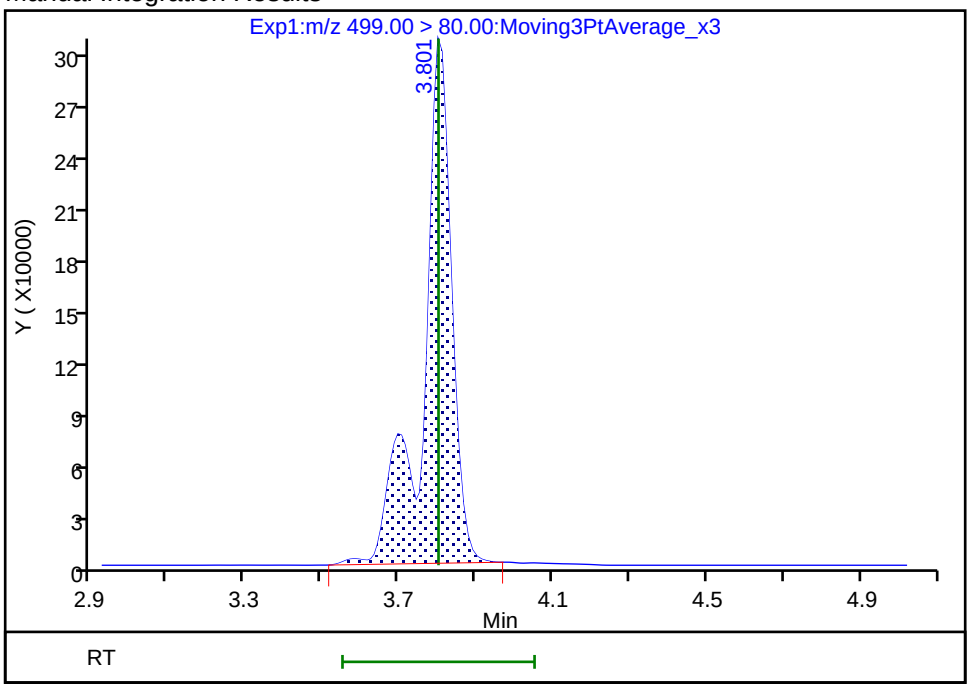
Processing Integration Results

RT: 3.80
Area: 1607142
Amount: 2.084632
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 1565335
Amount: 2.261149
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:57:29

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

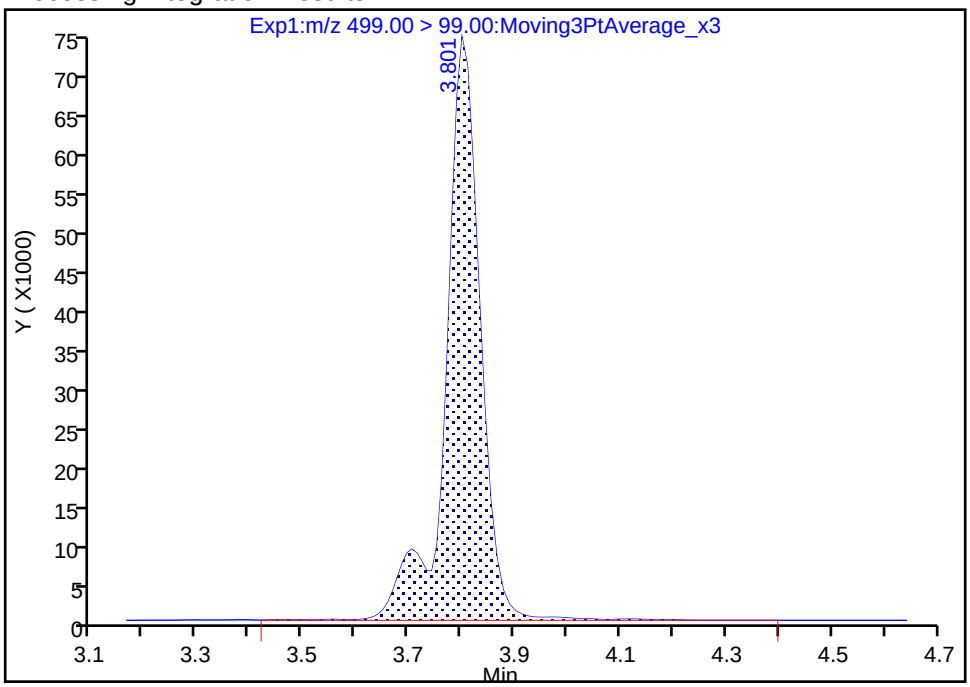
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

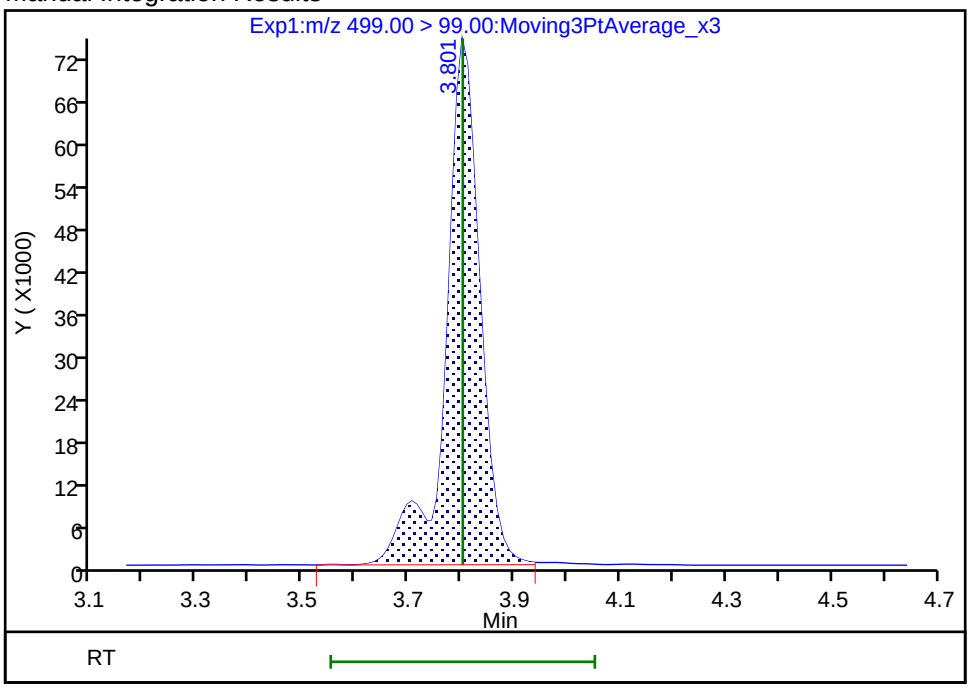
Processing Integration Results

RT: 3.80
Area: 340542
Amount: 2.084632
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 335836
Amount: 2.261149
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:58:06
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

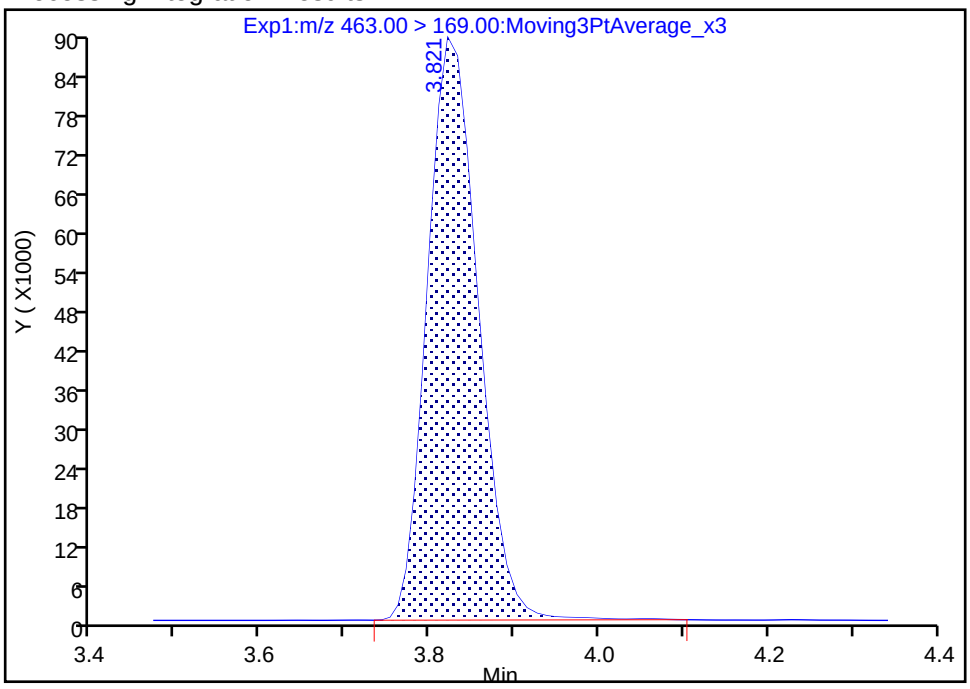
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

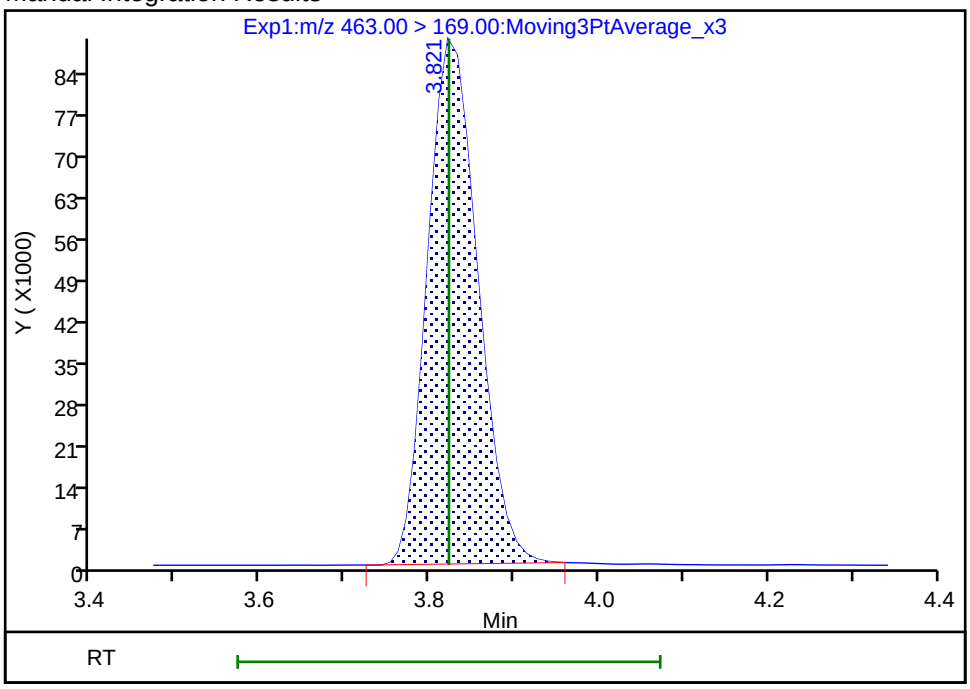
Processing Integration Results

RT: 3.82
Area: 373534
Amount: 2.305779
Amount Units: ng/ml



Manual Integration Results

RT: 3.82
Area: 369381
Amount: 2.304156
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:58:18
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

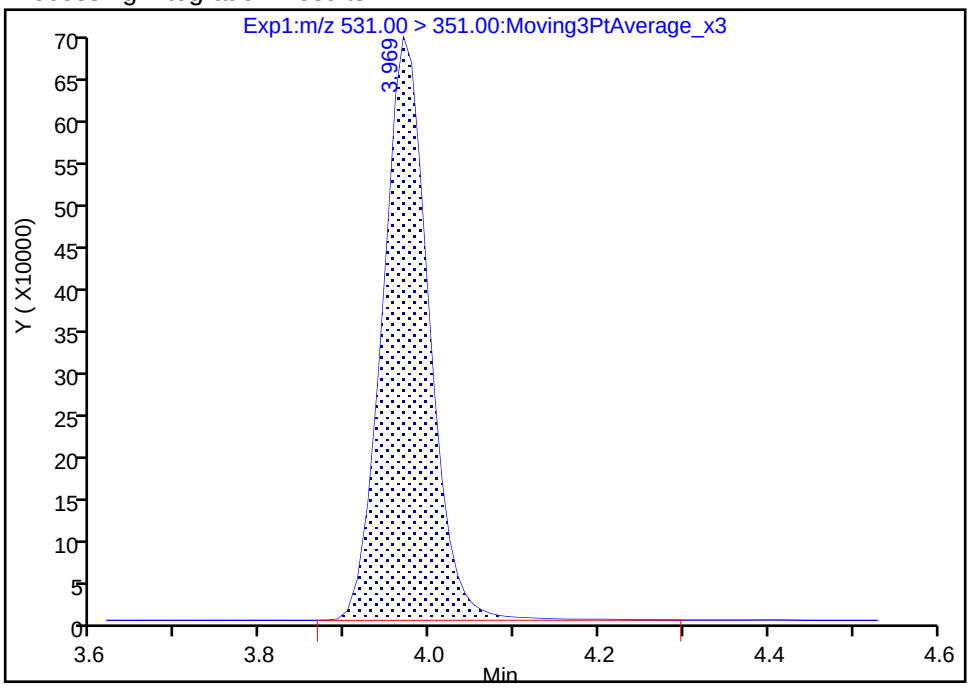
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

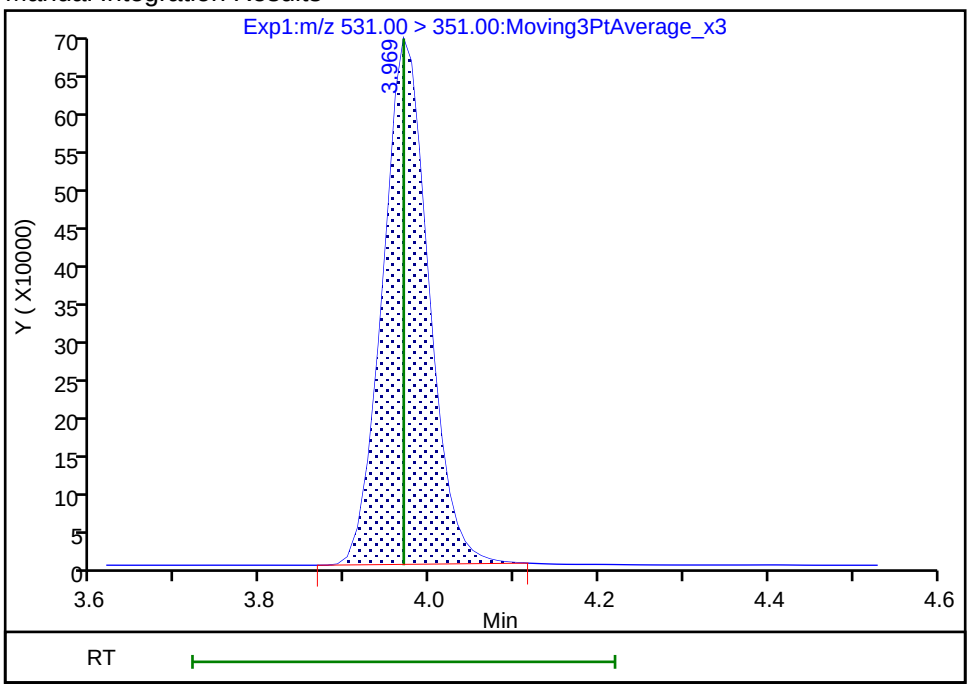
Processing Integration Results

RT: 3.97
Area: 2635507
Amount: 2.152558
Amount Units: ng/ml



Manual Integration Results

RT: 3.97
Area: 2607229
Amount: 2.138557
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:58:25
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

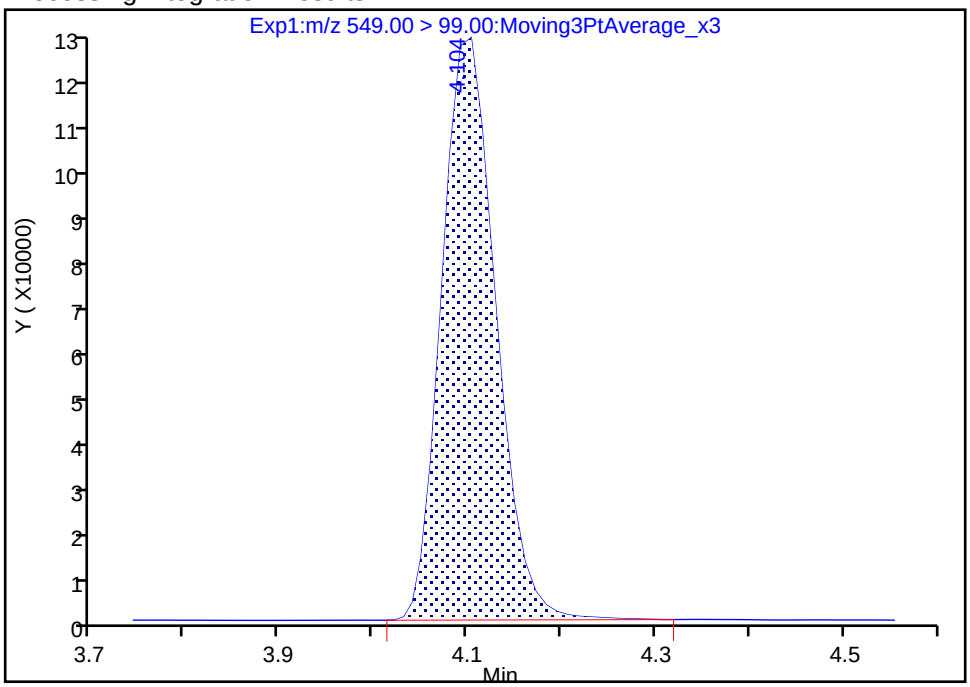
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

68 Perfluorononanesulfonic acid, CAS: 68259-12-1

Signal: 2

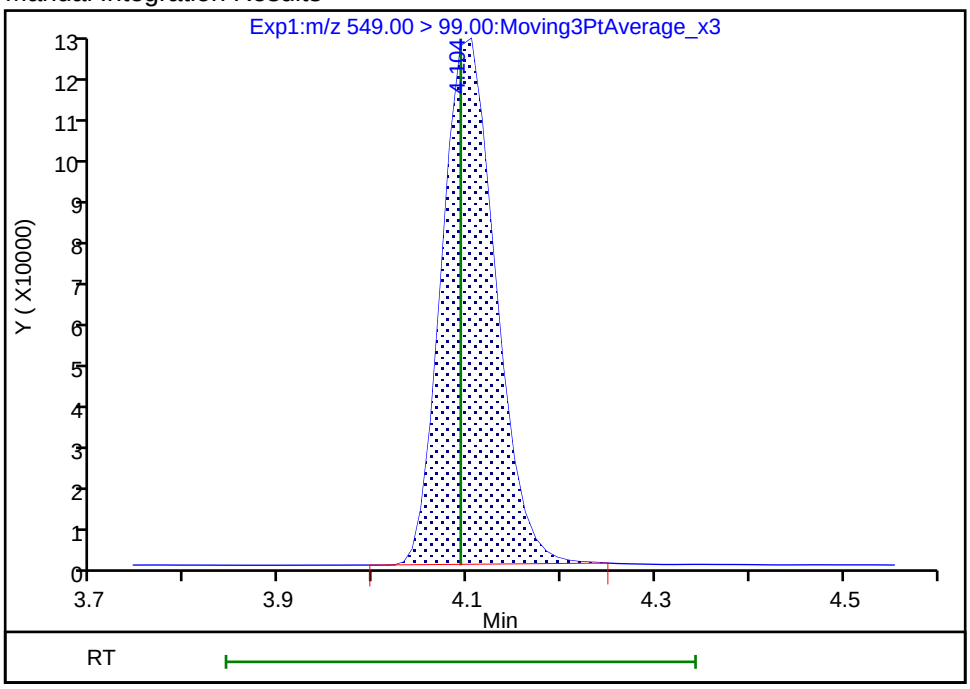
Processing Integration Results

RT: 4.10
Area: 480951
Amount: 2.263721
Amount Units: ng/ml



Manual Integration Results

RT: 4.10
Area: 477549
Amount: 2.235258
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:58:32
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

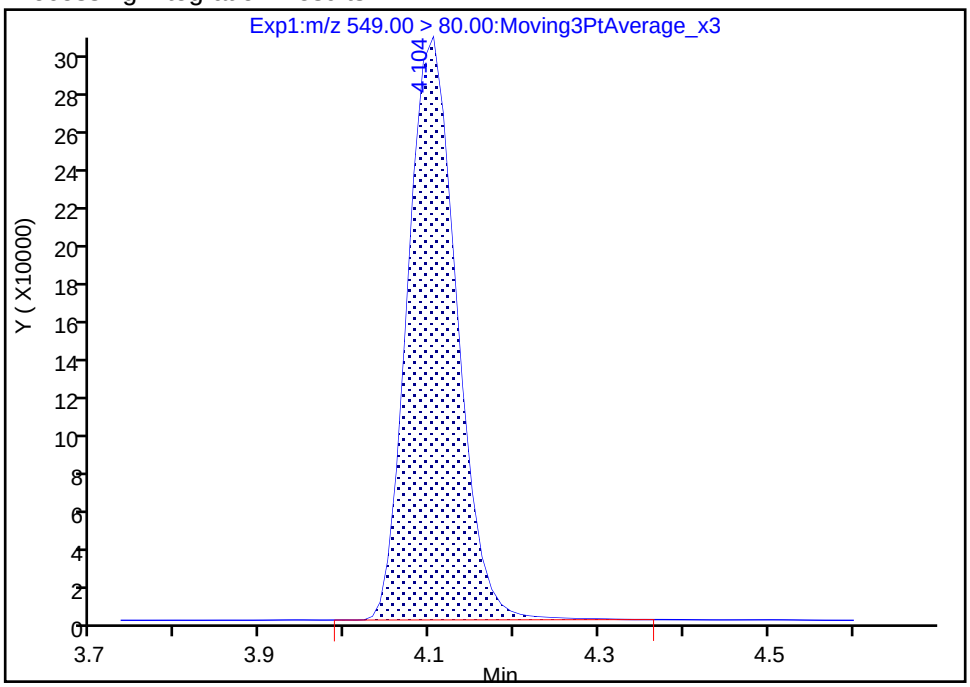
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

68 Perfluorononanesulfonic acid, CAS: 68259-12-1

Signal: 1

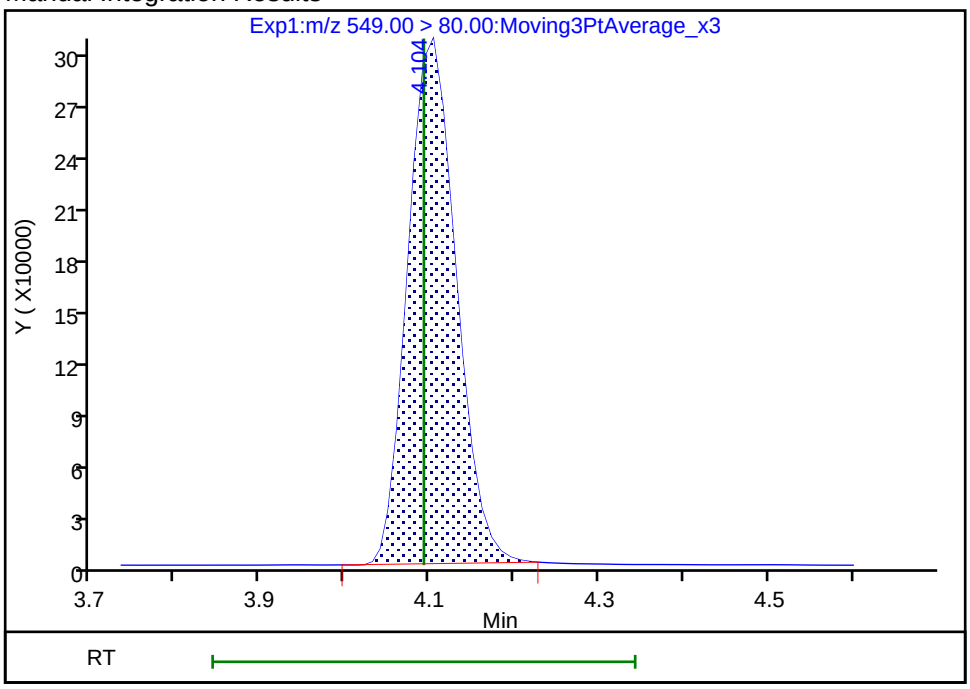
Processing Integration Results

RT: 4.10
Area: 1222103
Amount: 2.263721
Amount Units: ng/ml



Manual Integration Results

RT: 4.10
Area: 1207870
Amount: 2.235258
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:58:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

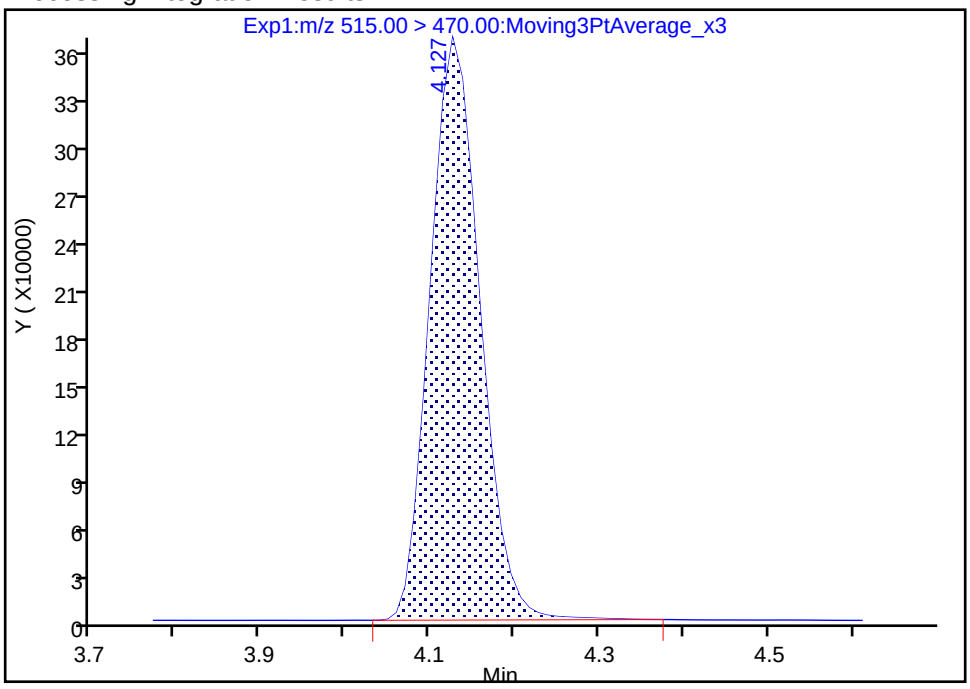
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d				
Injection Date:	03-Aug-2022 13:33:00	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

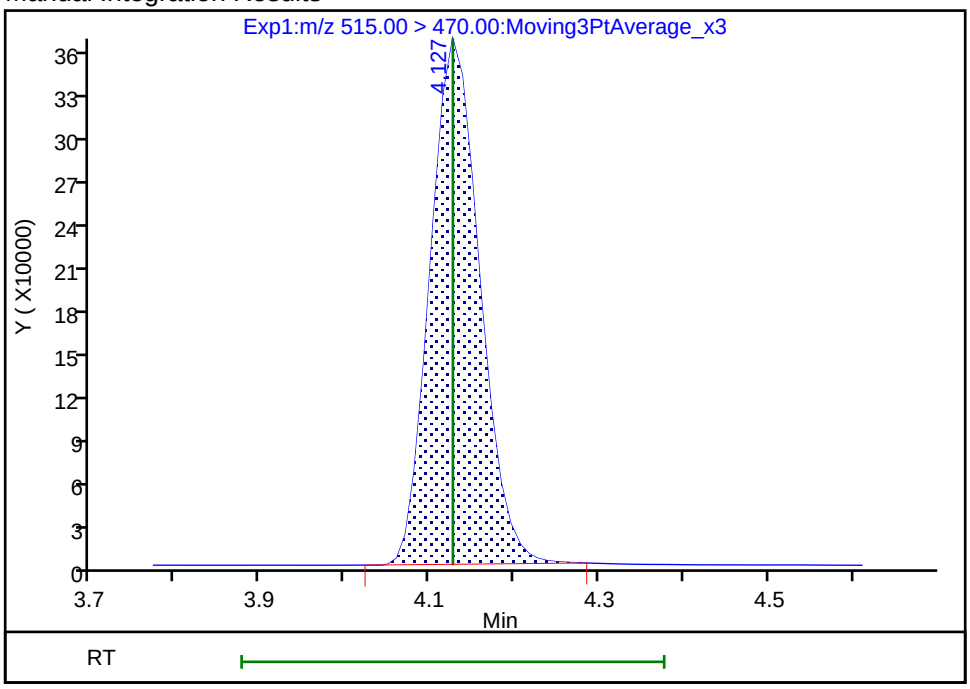
Processing Integration Results

RT: 4.13
Area: 1482848
Amount: 1.193073
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 1471206
Amount: 1.186922
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:58:55

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

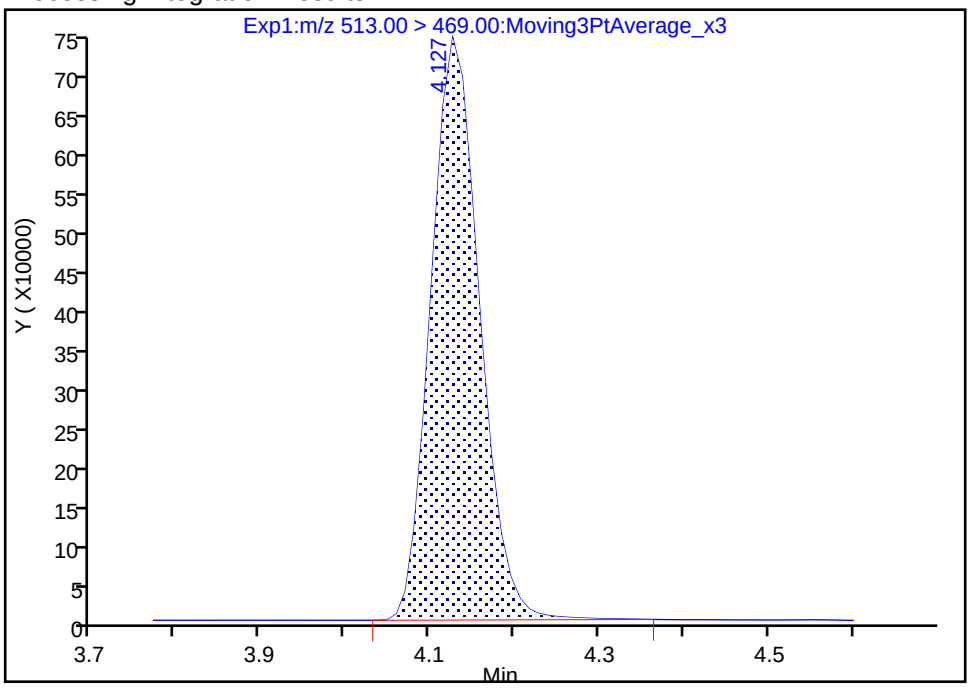
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d				
Injection Date:	03-Aug-2022 13:33:00	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

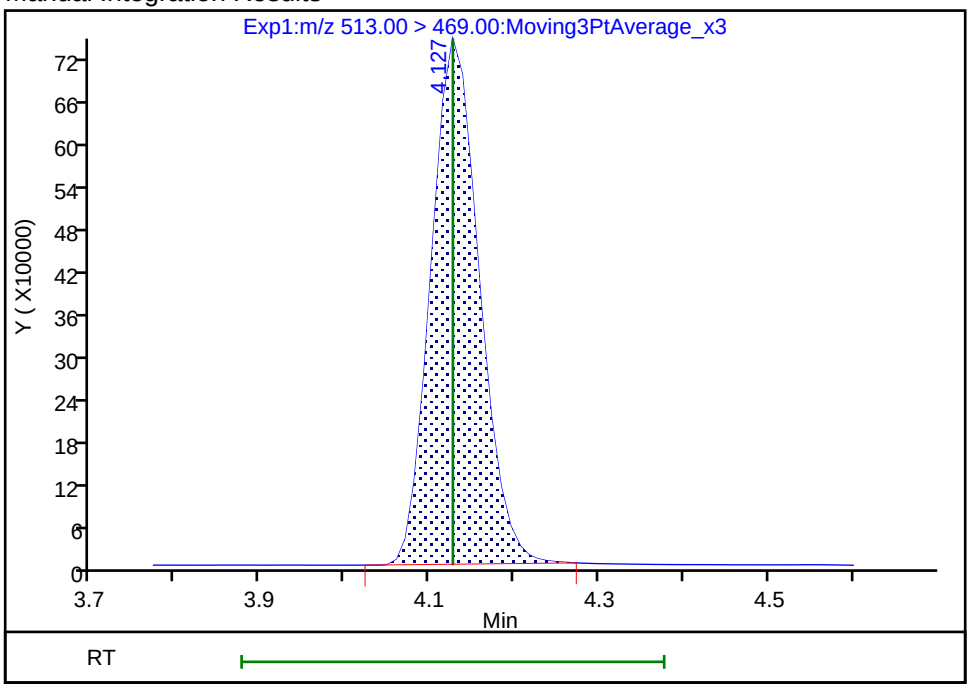
Processing Integration Results

RT: 4.13
Area: 2988644
Amount: 2.398812
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 2964619
Amount: 2.395048
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:58:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

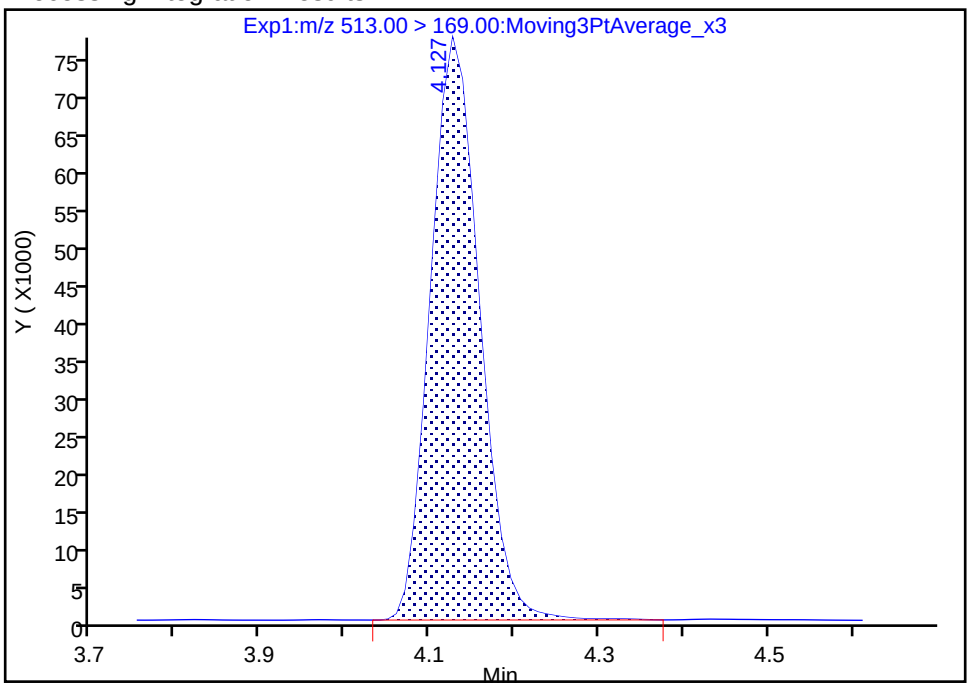
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d				
Injection Date:	03-Aug-2022 13:33:00	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

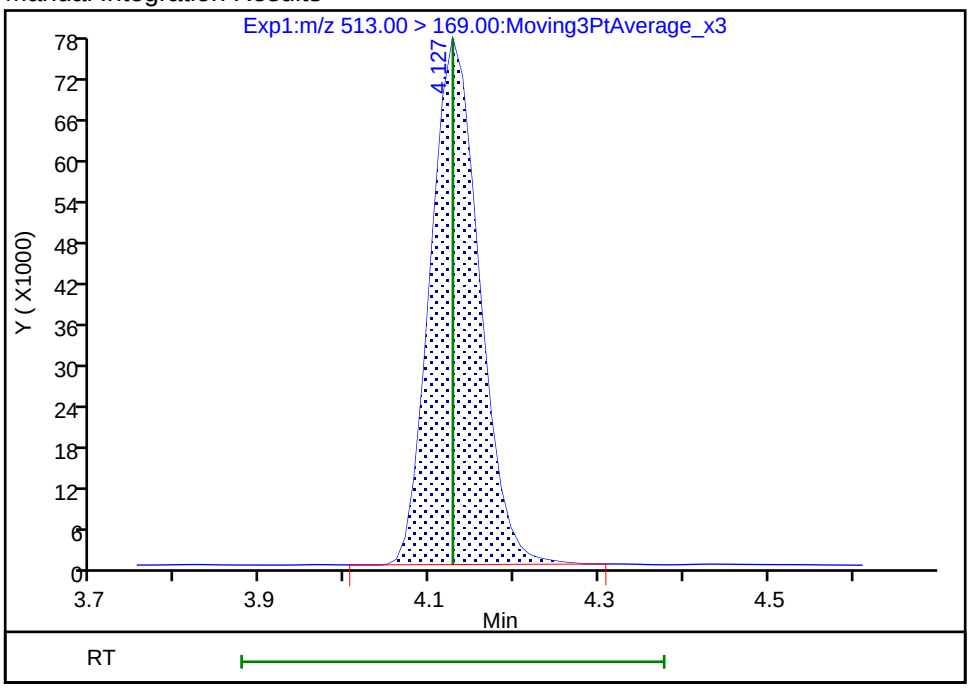
Processing Integration Results

RT: 4.13
Area: 313413
Amount: 2.398812
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 311853
Amount: 2.395048
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:58:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

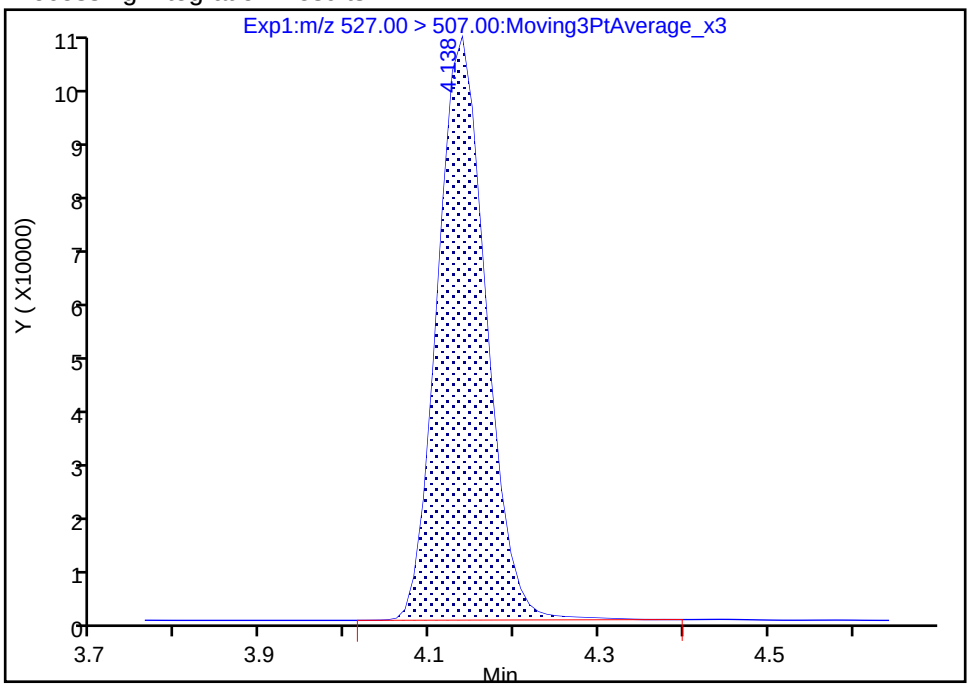
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d				
Injection Date:	03-Aug-2022 13:33:00	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

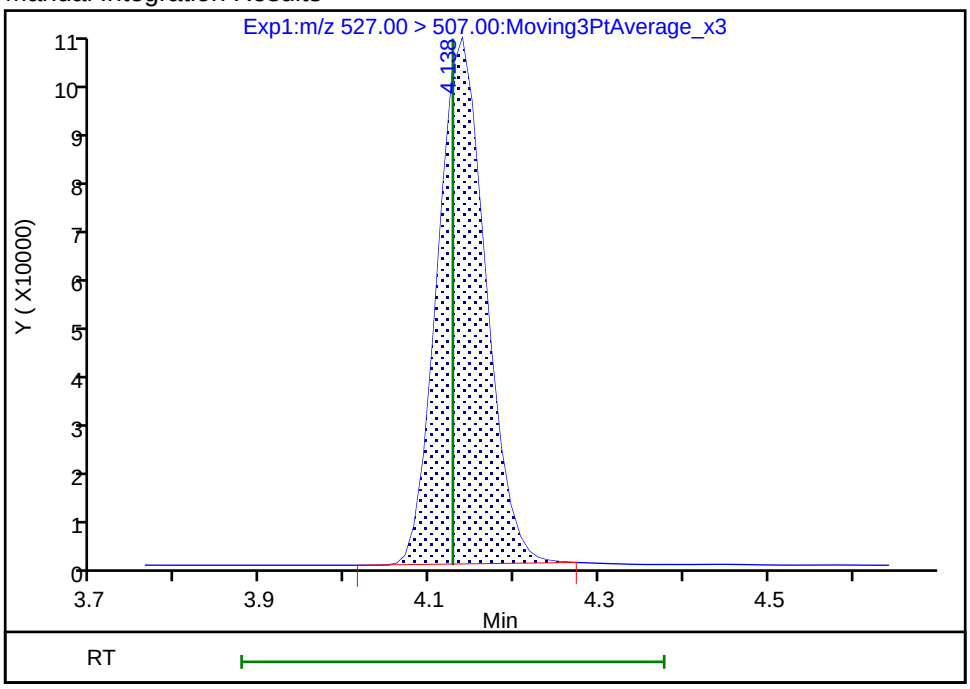
Processing Integration Results

RT: 4.14
Area: 404199
Amount: 2.245079
Amount Units: ng/ml



Manual Integration Results

RT: 4.14
Area: 399769
Amount: 2.277386
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:58:40

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

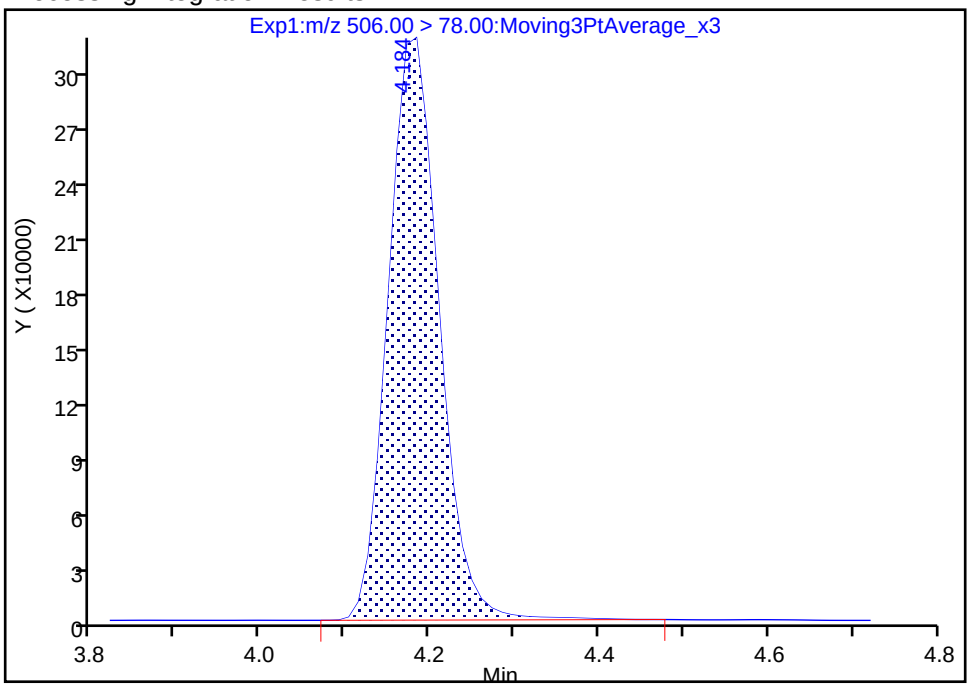
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

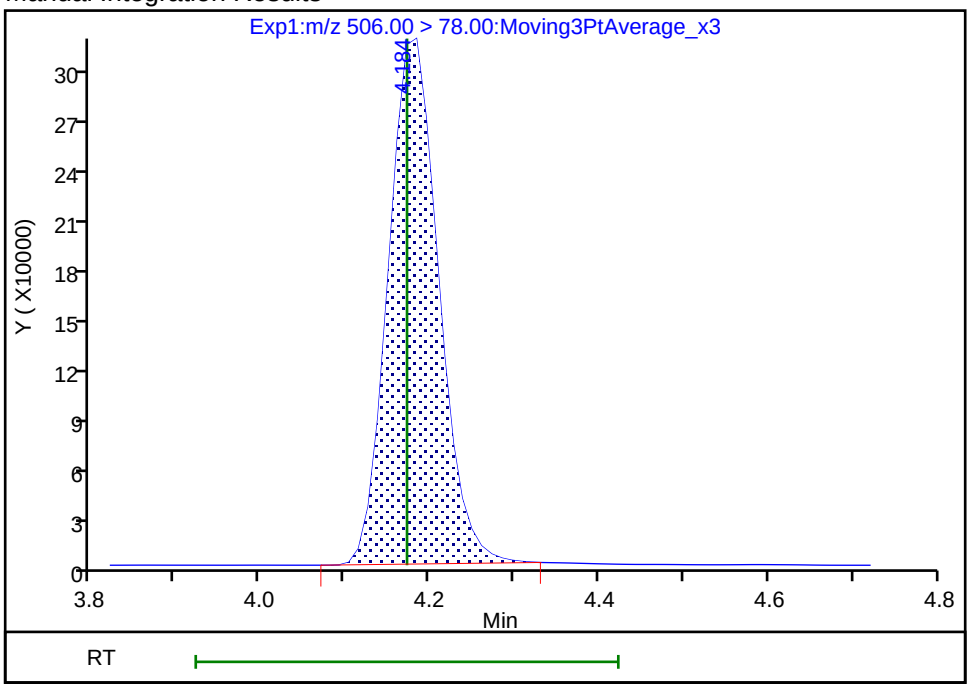
Processing Integration Results

RT: 4.18
Area: 1331972
Amount: 1.156471
Amount Units: ng/ml



Manual Integration Results

RT: 4.18
Area: 1316398
Amount: 1.213435
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:59:03
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

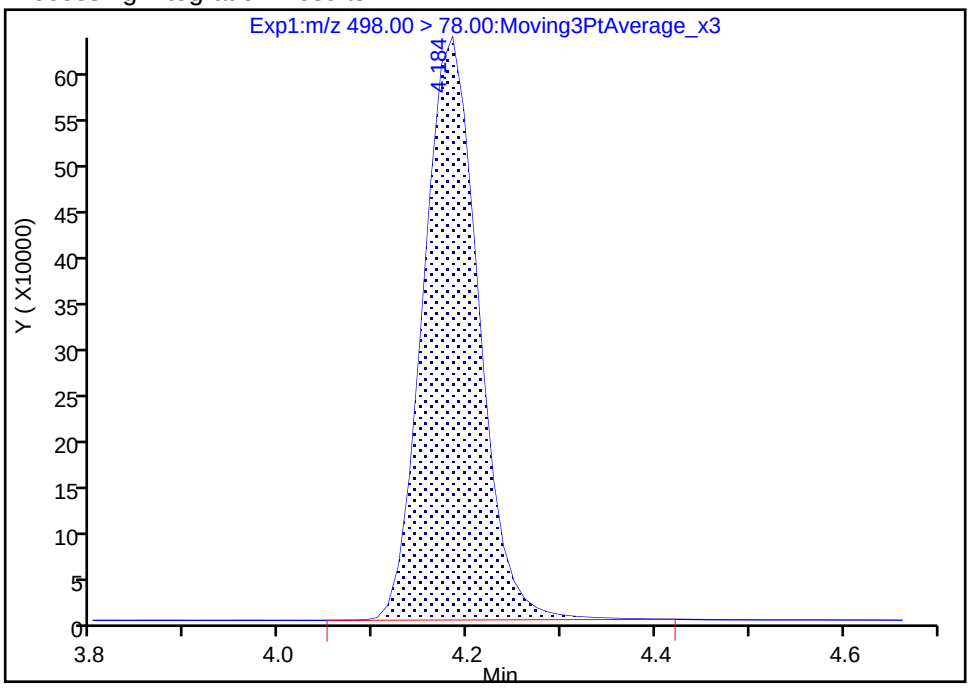
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

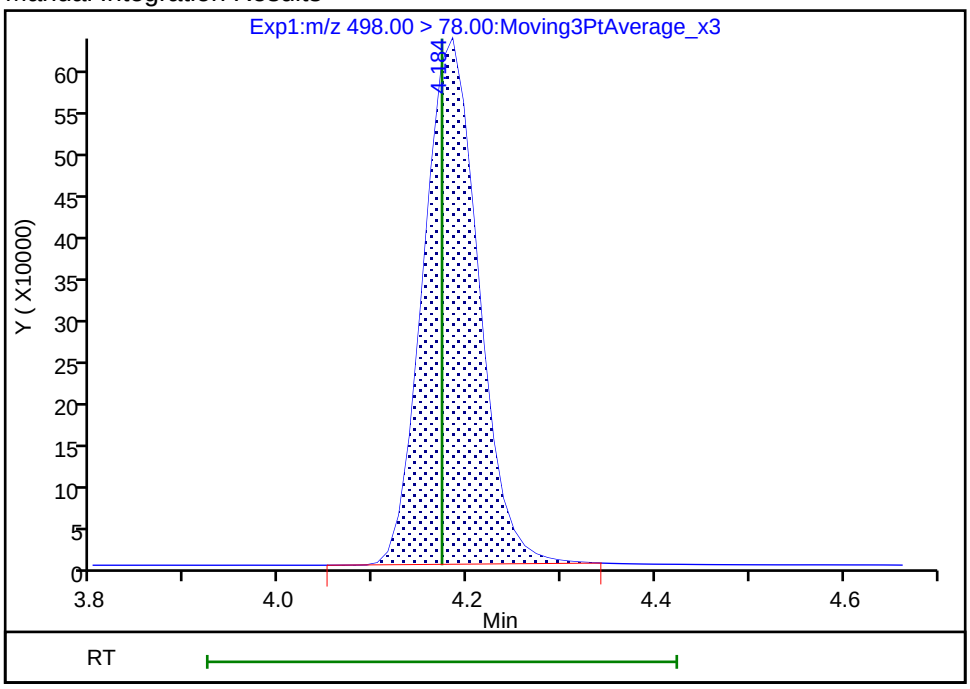
Processing Integration Results

RT: 4.18
Area: 2595304
Amount: 2.422341
Amount Units: ng/ml



Manual Integration Results

RT: 4.18
Area: 2577197
Amount: 2.401555
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:59:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

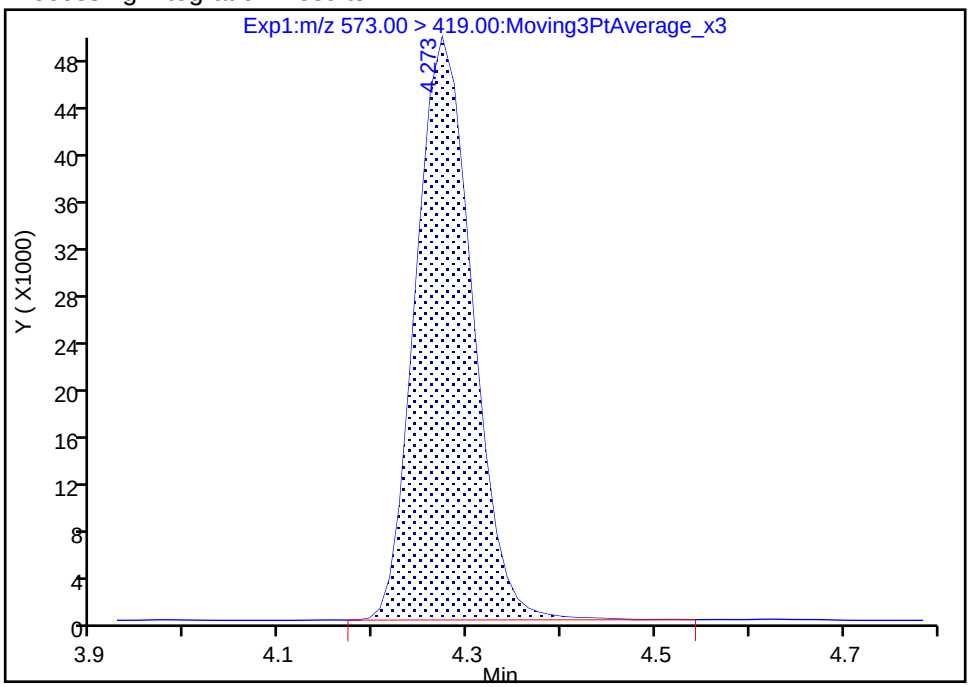
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

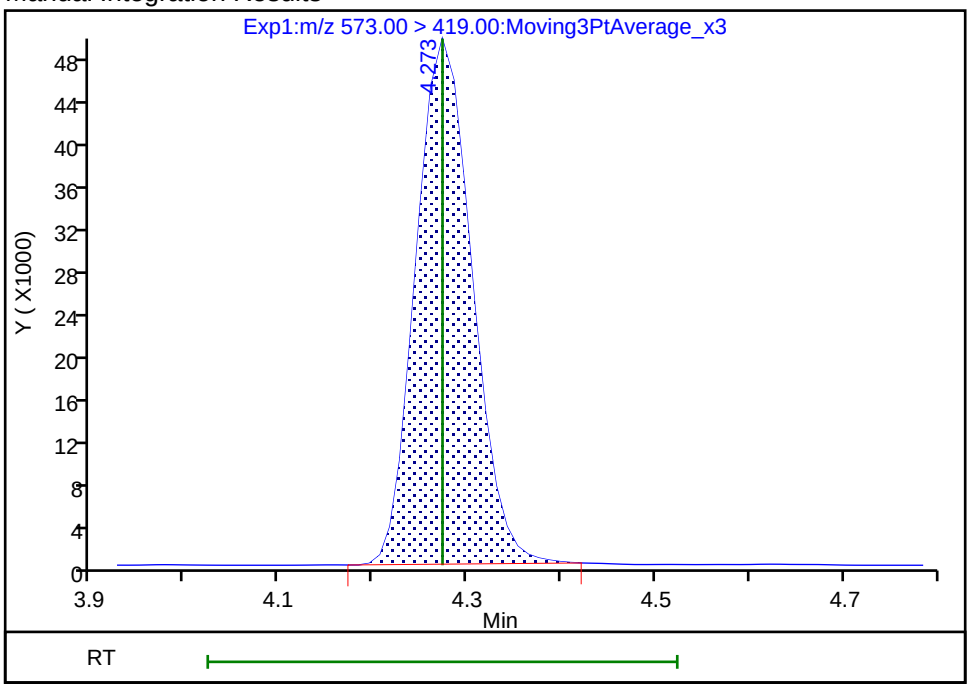
Processing Integration Results

RT: 4.27
Area: 207193
Amount: 1.231549
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 205583
Amount: 1.237454
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:59:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

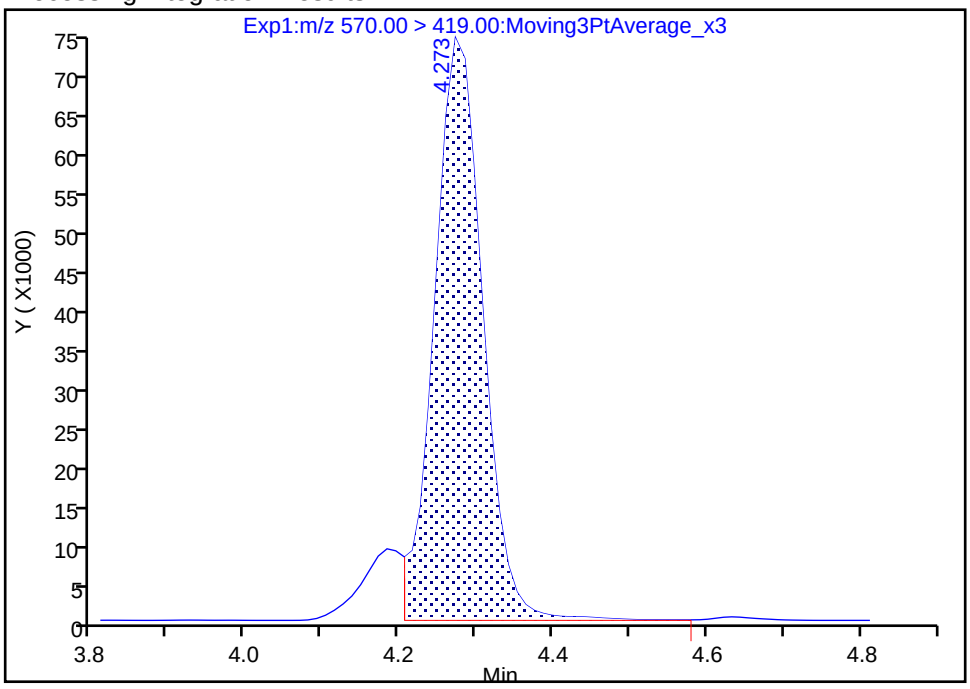
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d				
Injection Date:	03-Aug-2022 13:33:00	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

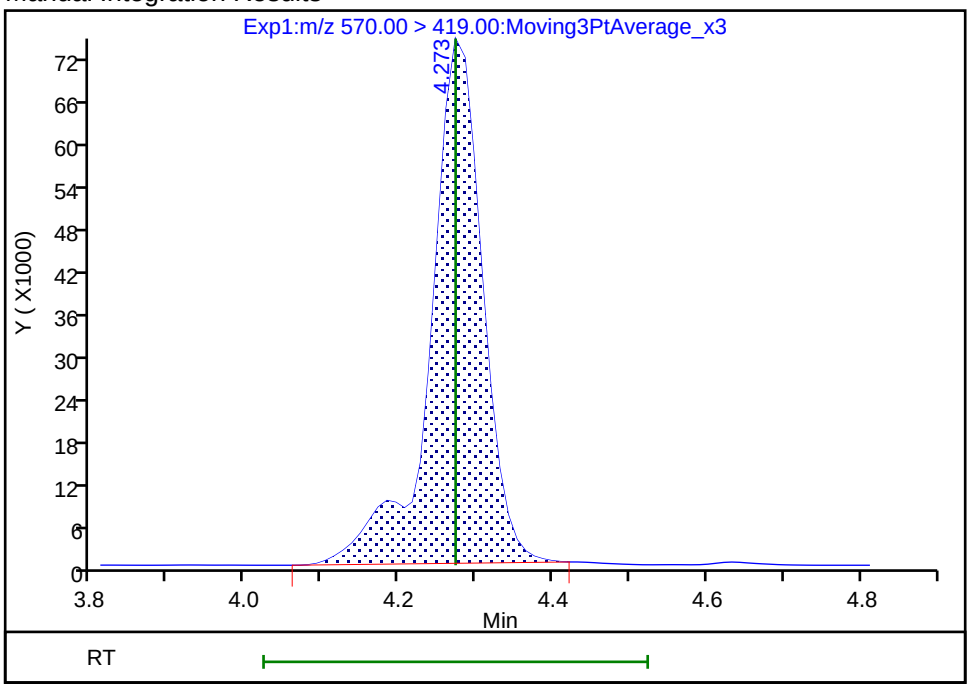
Processing Integration Results

RT: 4.27
Area: 323980
Amount: 2.234704
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 350351
Amount: 2.398606
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:59:13

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

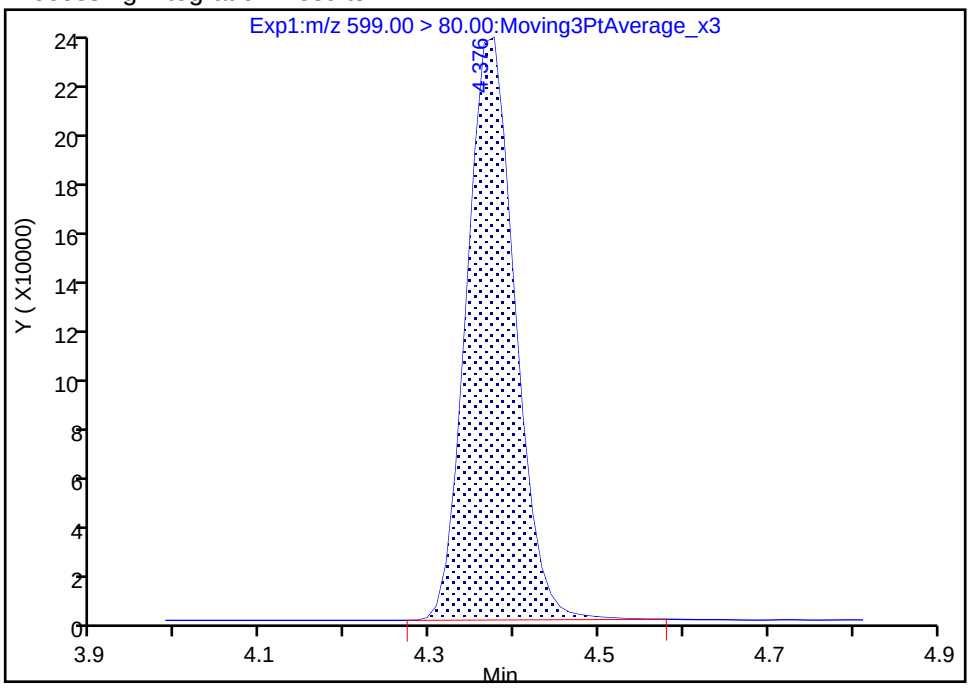
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

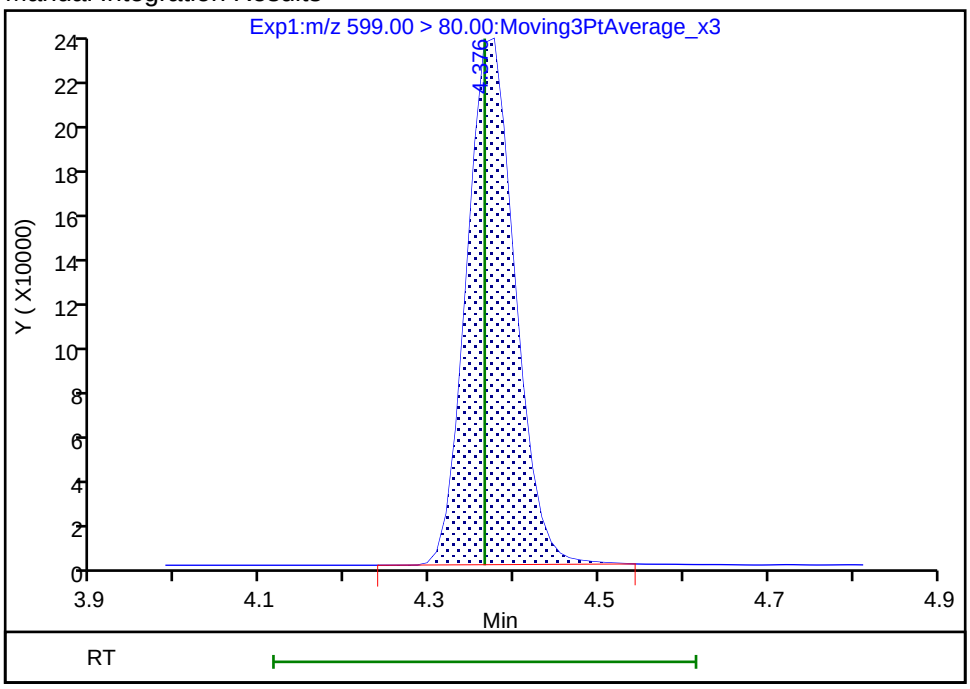
Processing Integration Results

RT: 4.38
Area: 936525
Amount: 2.308051
Amount Units: ng/ml



Manual Integration Results

RT: 4.38
Area: 934202
Amount: 2.323189
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:59:24
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

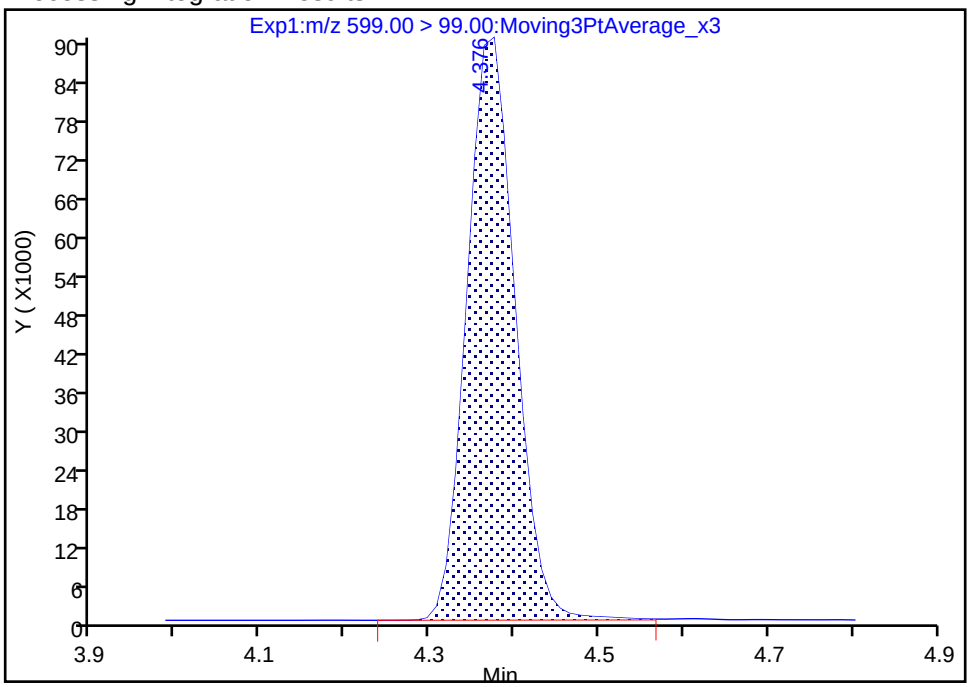
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d				
Injection Date:	03-Aug-2022 13:33:00	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

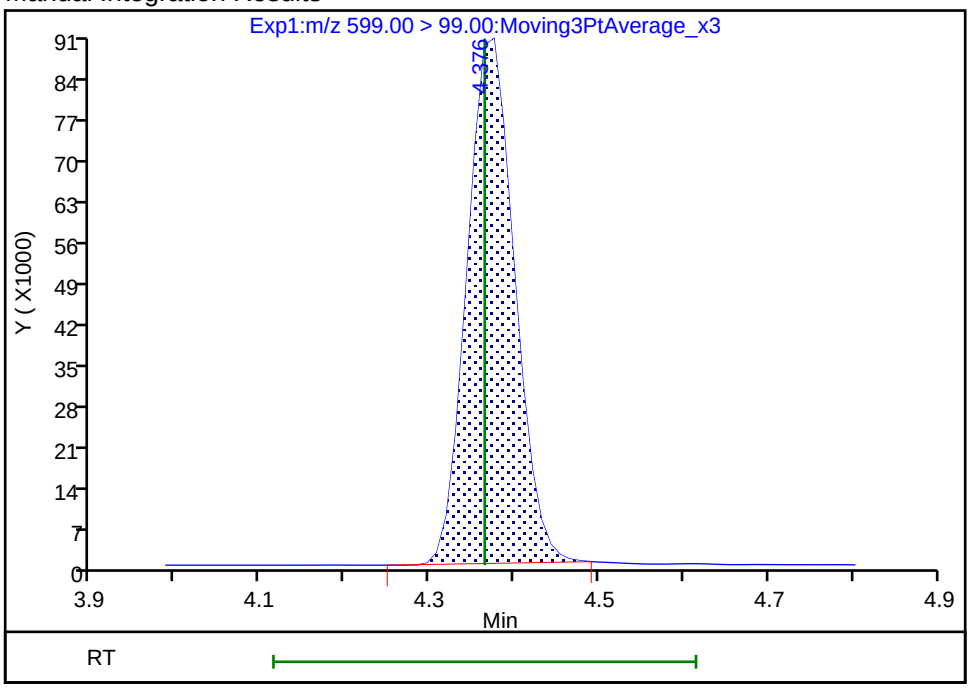
Processing Integration Results

RT: 4.38
Area: 358853
Amount: 2.308051
Amount Units: ng/ml



Manual Integration Results

RT: 4.38
Area: 353361
Amount: 2.323189
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:59:28

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

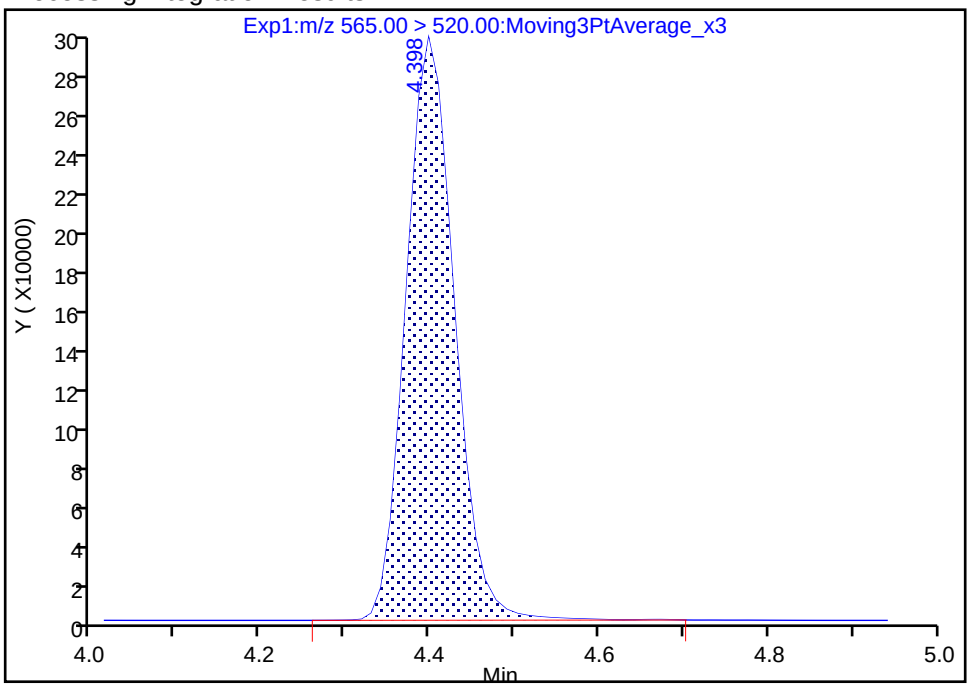
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

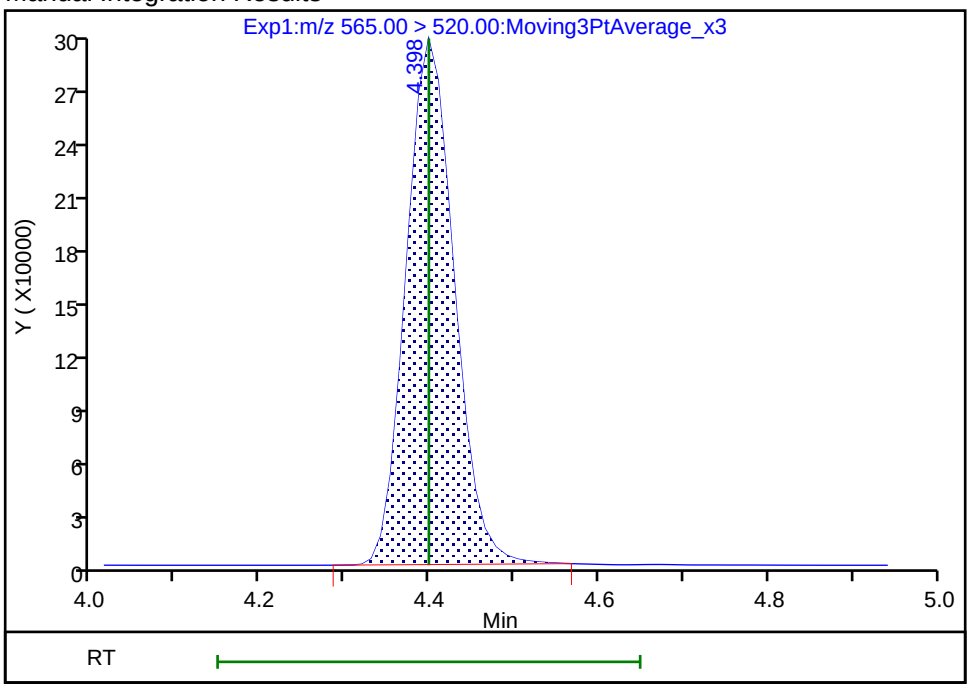
Processing Integration Results

RT: 4.40
Area: 1171704
Amount: 1.219979
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 1162923
Amount: 1.238271
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:59:34
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

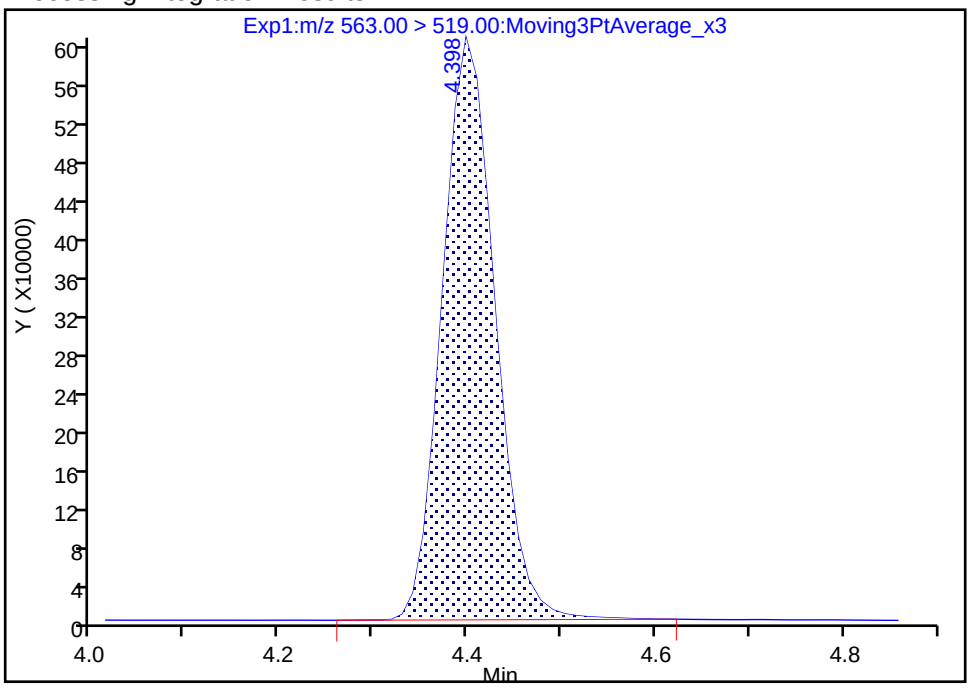
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

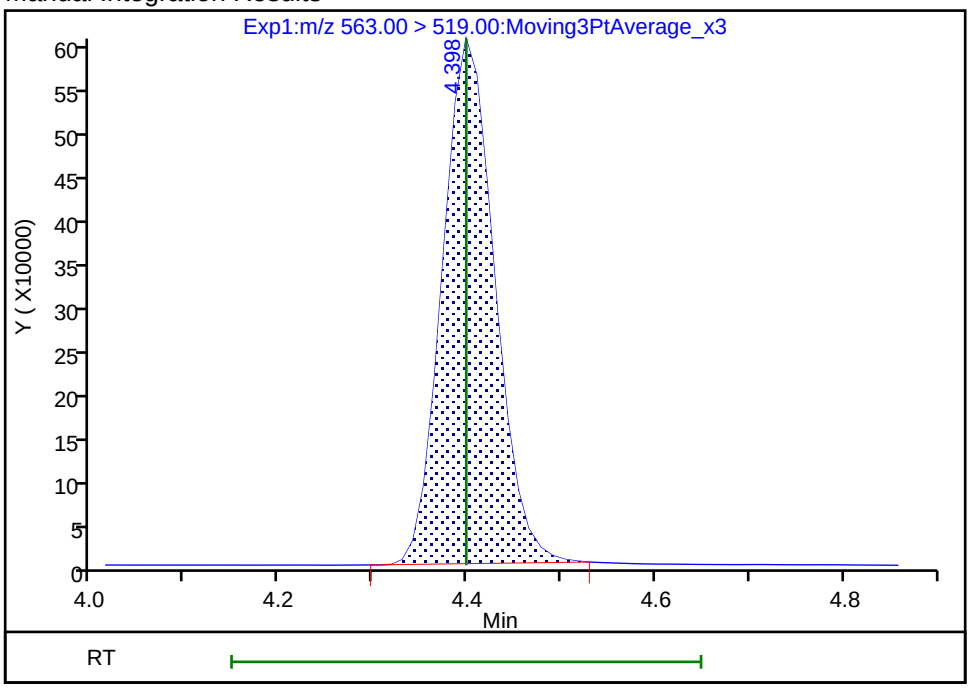
Processing Integration Results

RT: 4.40
Area: 2338708
Amount: 2.391819
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 2312817
Amount: 2.346523
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:59:38
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

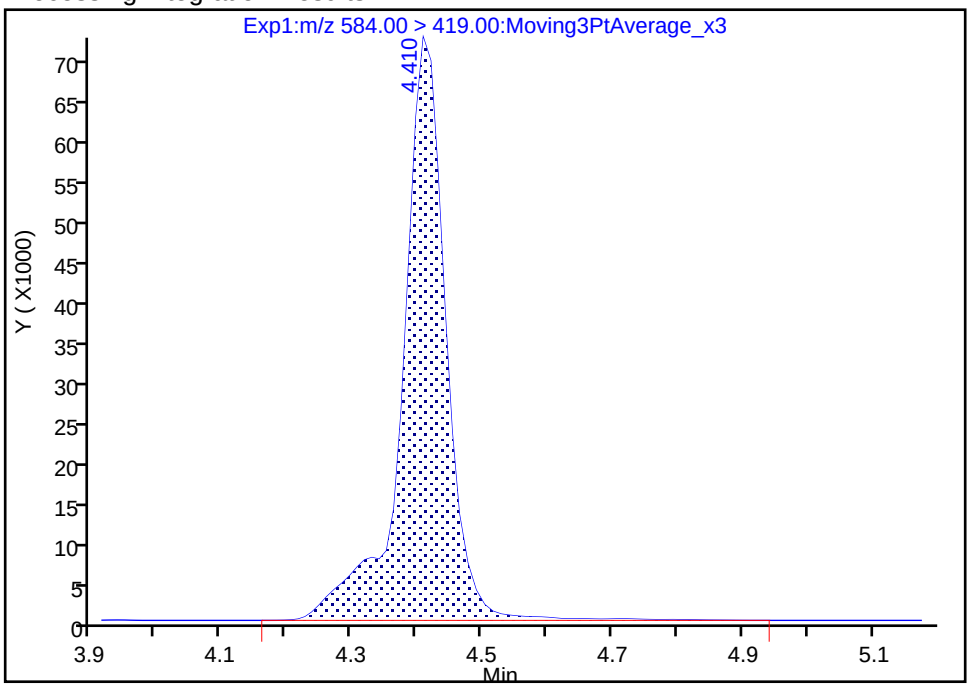
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d				
Injection Date:	03-Aug-2022 13:33:00	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

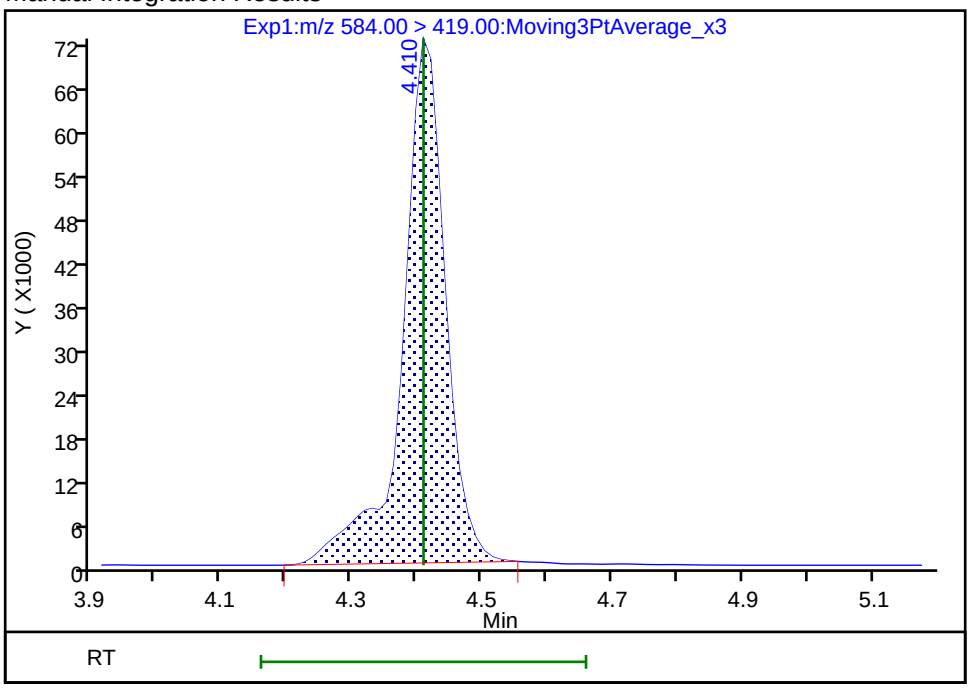
Processing Integration Results

RT: 4.41
Area: 338808
Amount: 2.376370
Amount Units: ng/ml



Manual Integration Results

RT: 4.41
Area: 329631
Amount: 2.322743
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:59:44

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

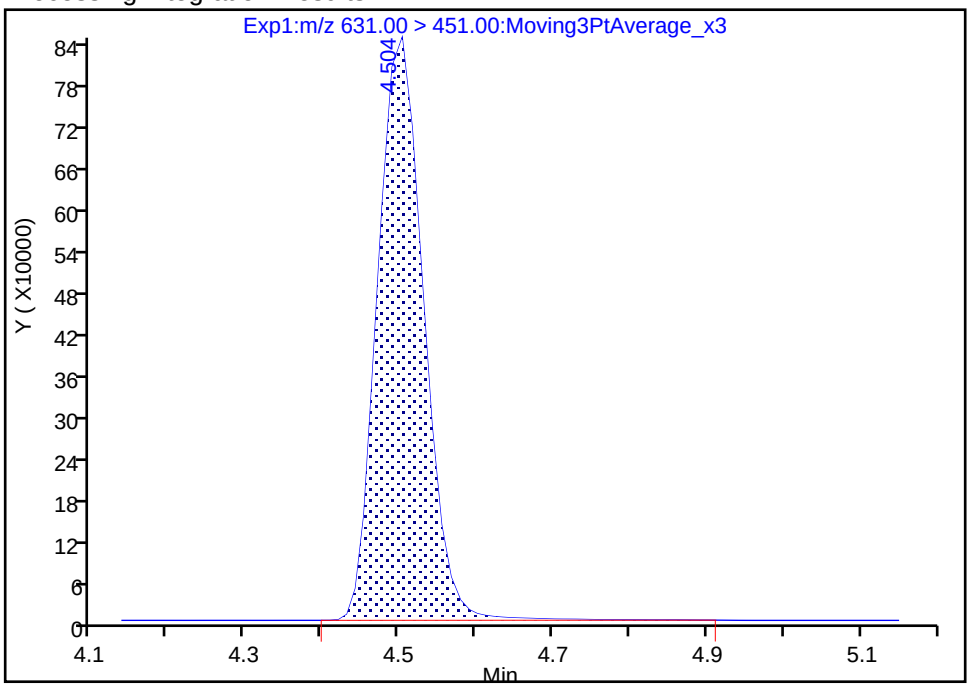
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d				
Injection Date:	03-Aug-2022 13:33:00	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

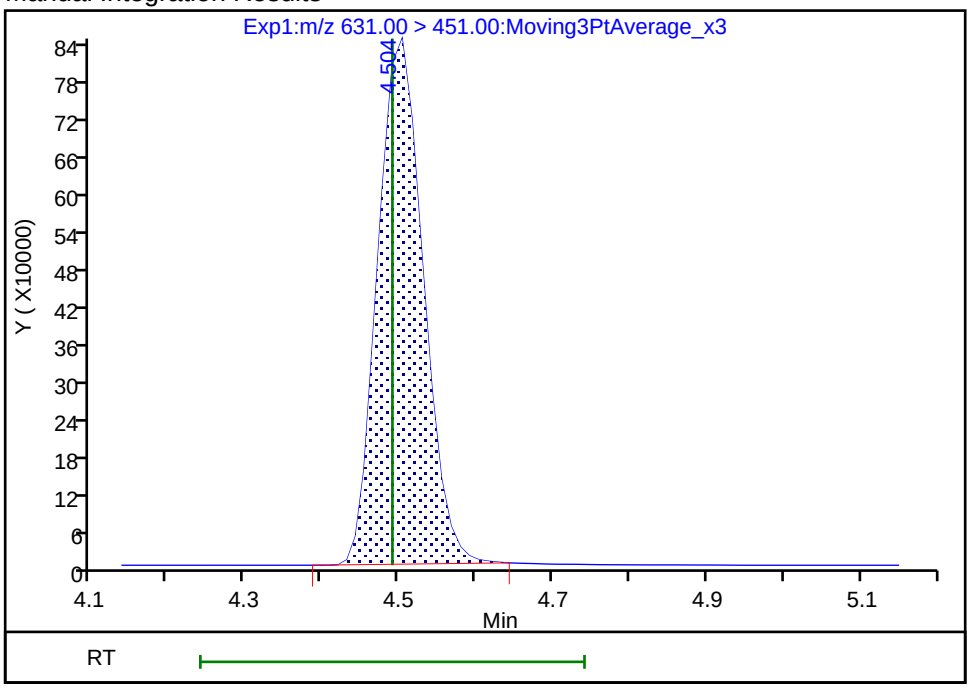
Processing Integration Results

RT: 4.50
Area: 3521952
Amount: 2.211109
Amount Units: ng/ml



Manual Integration Results

RT: 4.50
Area: 3478140
Amount: 2.191935
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:59:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

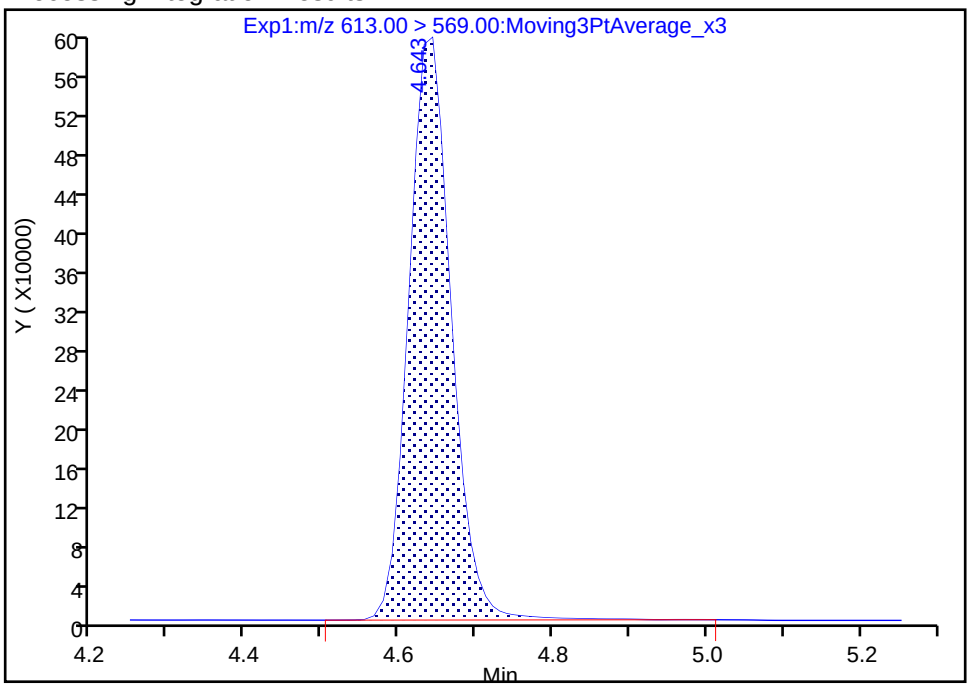
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

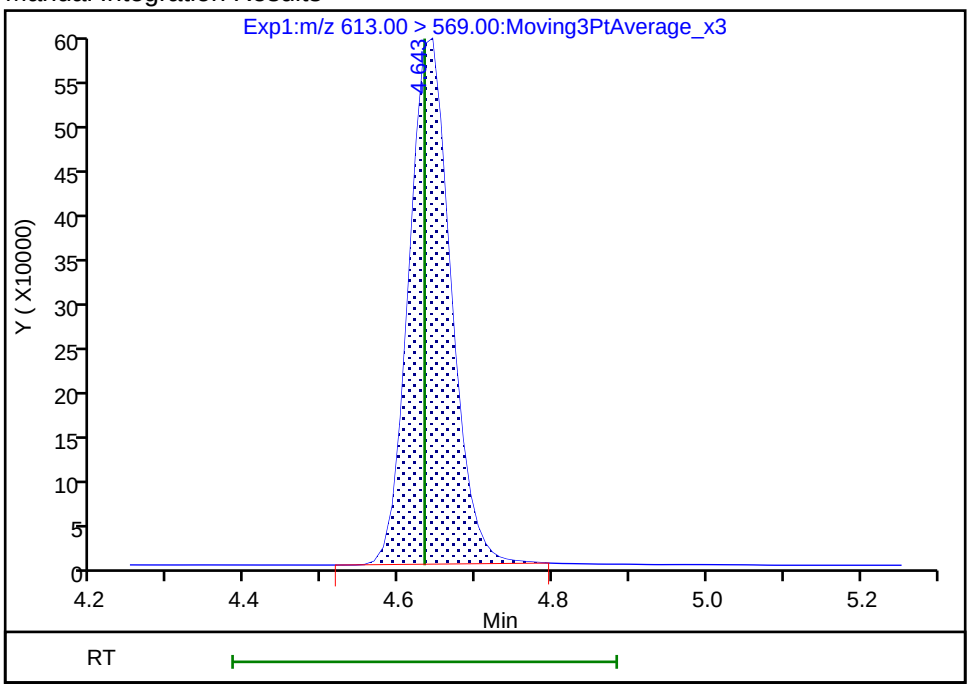
Processing Integration Results

RT: 4.64
Area: 2281722
Amount: 2.351526
Amount Units: ng/ml



Manual Integration Results

RT: 4.64
Area: 2257049
Amount: 2.326708
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 13:59:58
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

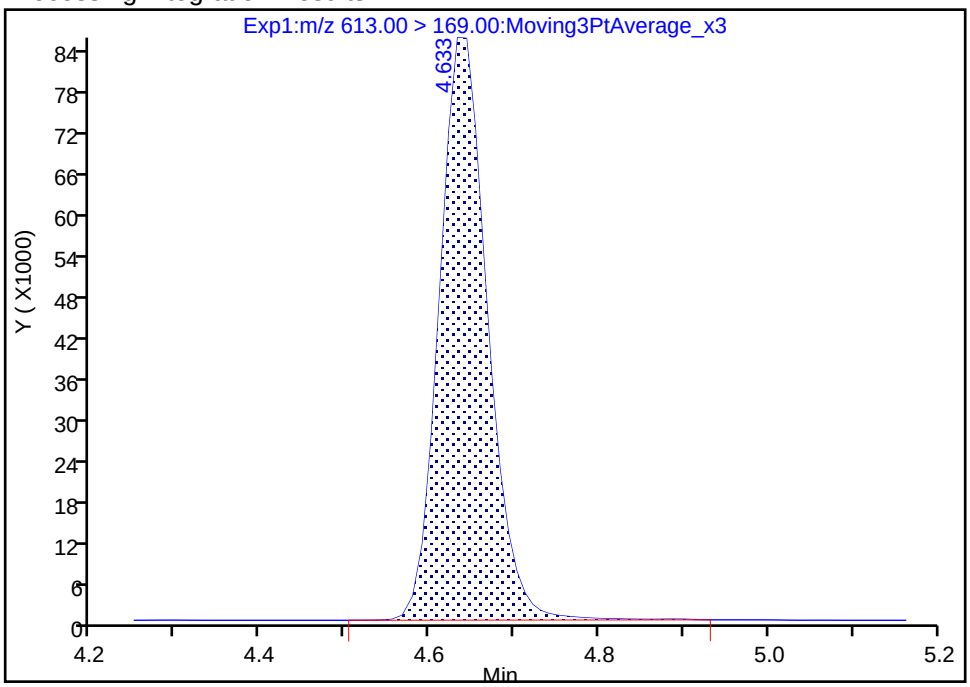
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d				
Injection Date:	03-Aug-2022 13:33:00	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

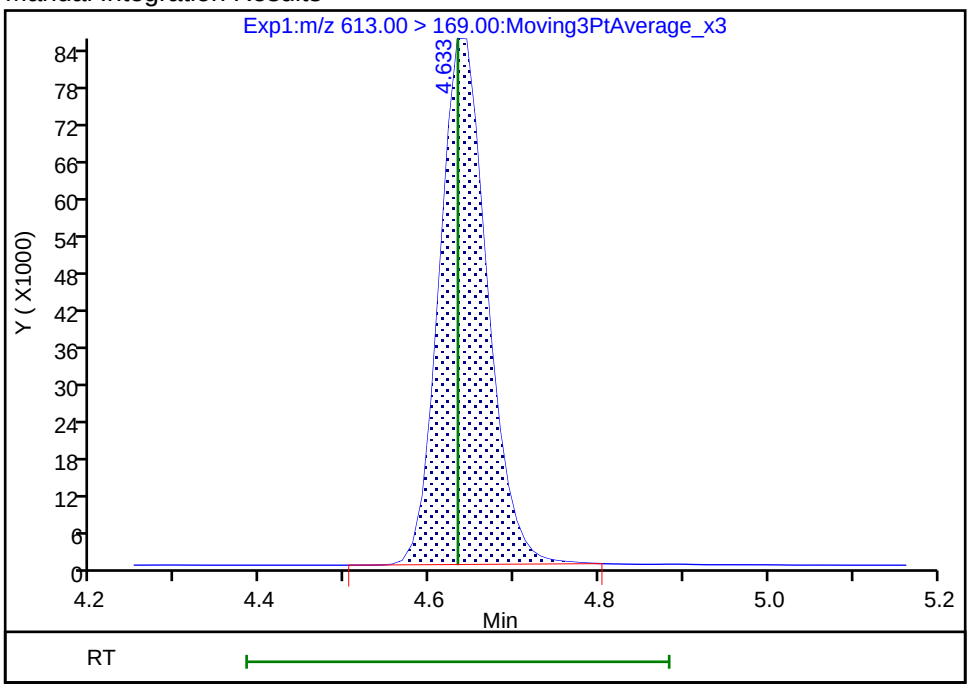
Processing Integration Results

RT: 4.63
Area: 337189
Amount: 2.351526
Amount Units: ng/ml



Manual Integration Results

RT: 4.63
Area: 334655
Amount: 2.326708
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:00:02
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

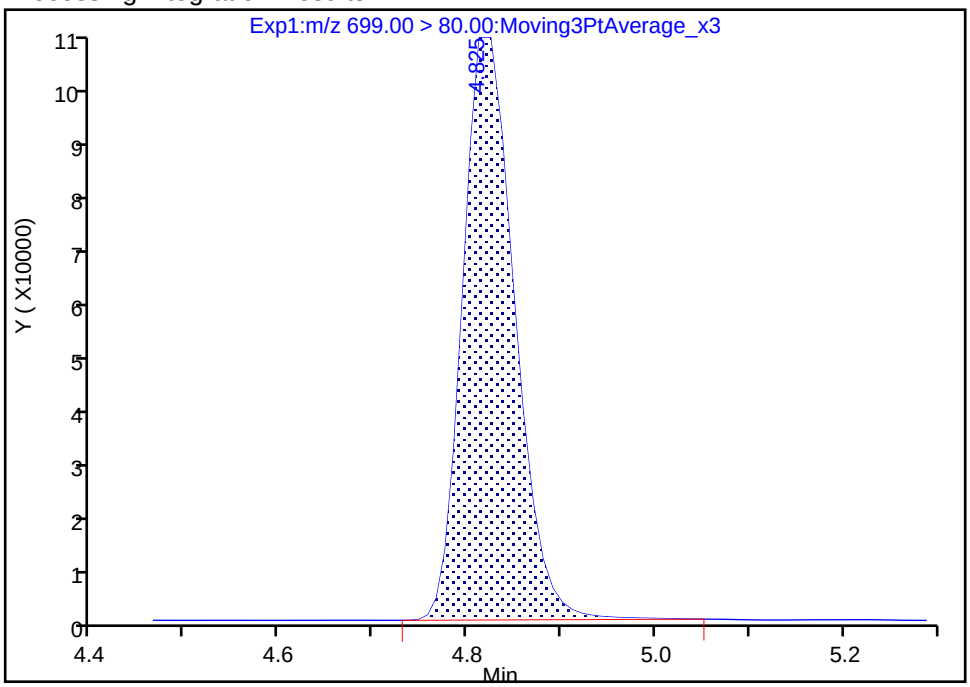
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

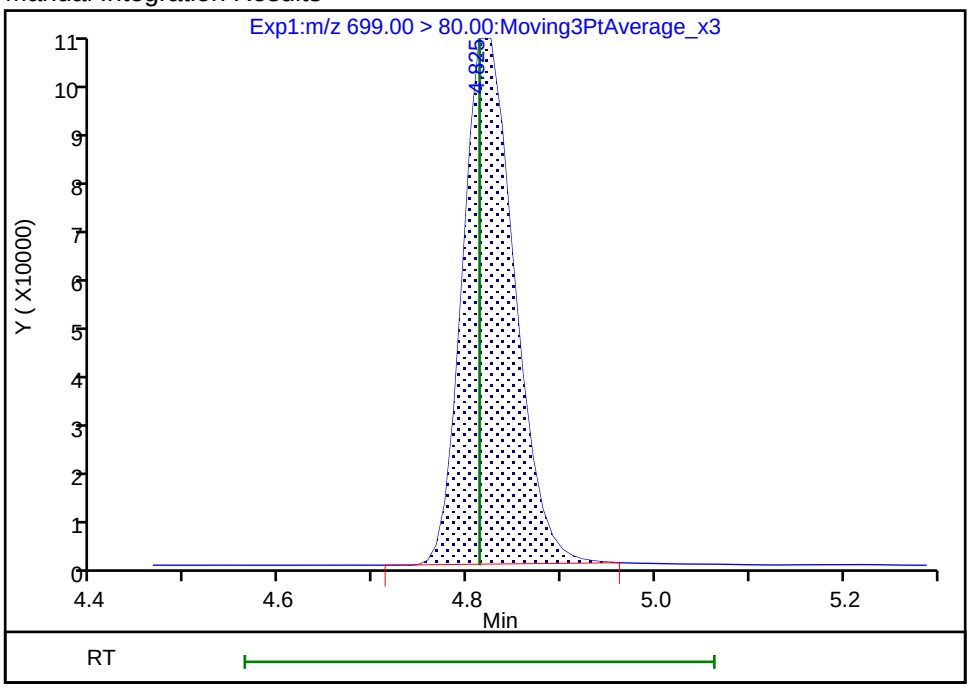
Processing Integration Results

RT: 4.82
Area: 399815
Amount: 2.212612
Amount Units: ng/ml



Manual Integration Results

RT: 4.82
Area: 396436
Amount: 2.220415
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:00:09
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

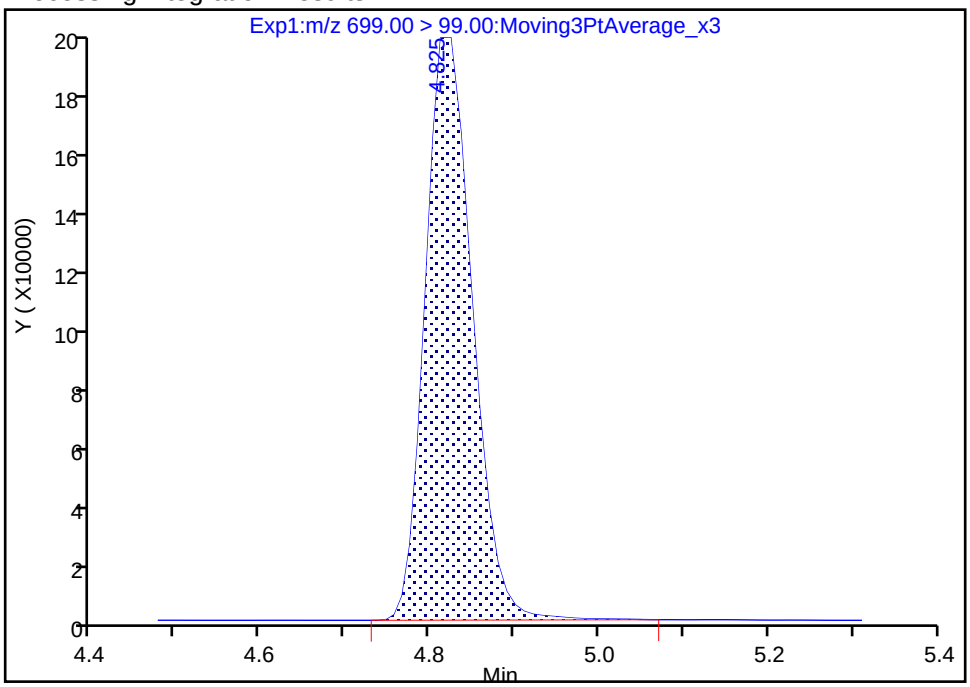
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d				
Injection Date:	03-Aug-2022 13:33:00	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 2

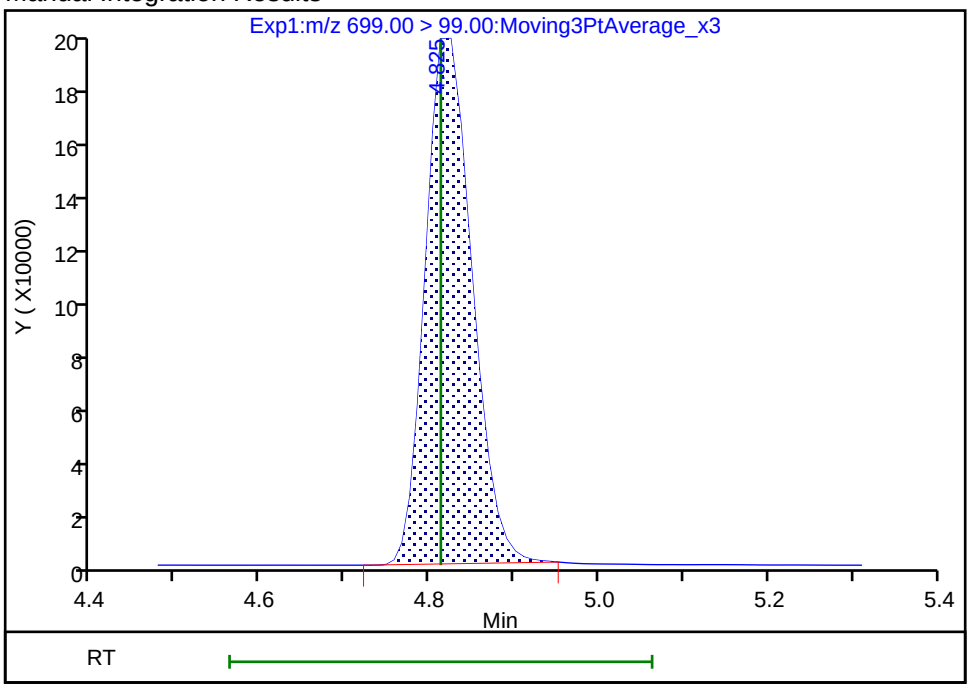
Processing Integration Results

RT: 4.82
Area: 743373
Amount: 2.212612
Amount Units: ng/ml



Manual Integration Results

RT: 4.82
Area: 734014
Amount: 2.220415
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:00:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

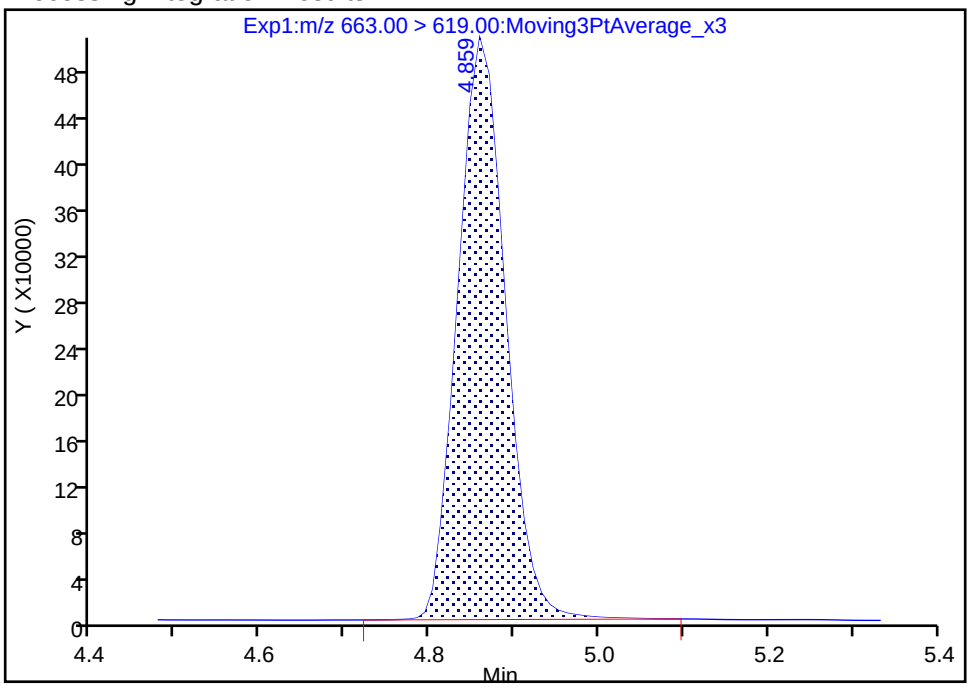
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

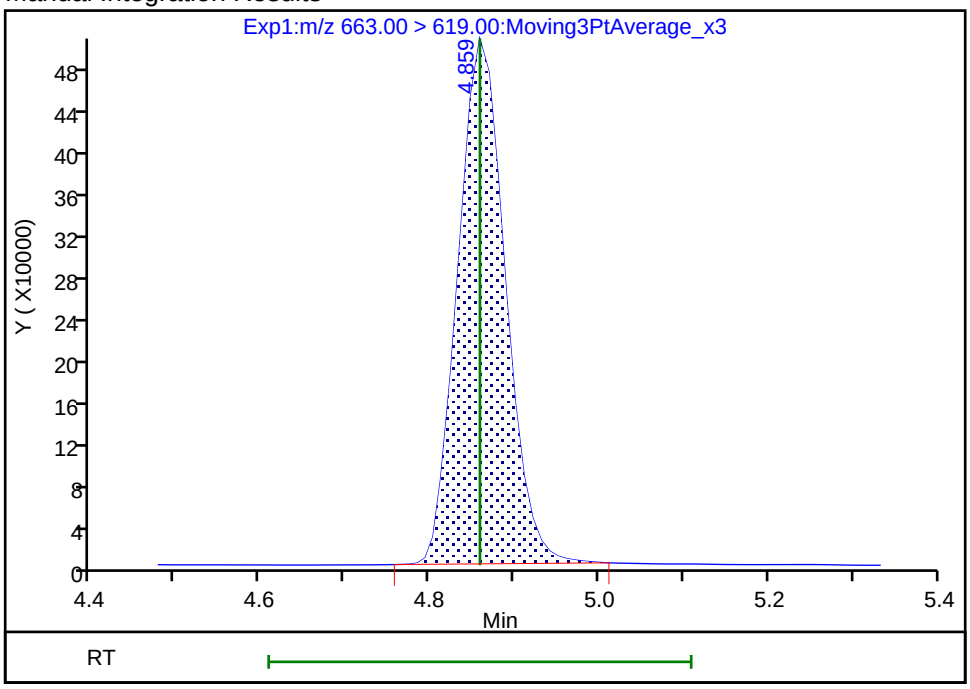
Processing Integration Results

RT: 4.86
Area: 1976868
Amount: 2.334866
Amount Units: ng/ml



Manual Integration Results

RT: 4.86
Area: 1962703
Amount: 2.334014
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:00:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

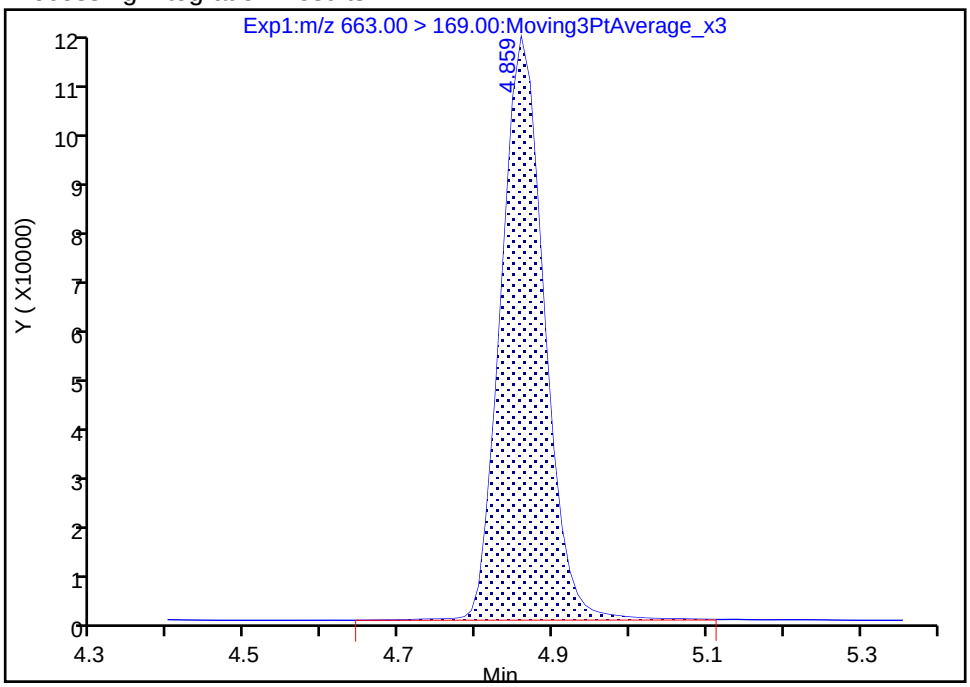
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

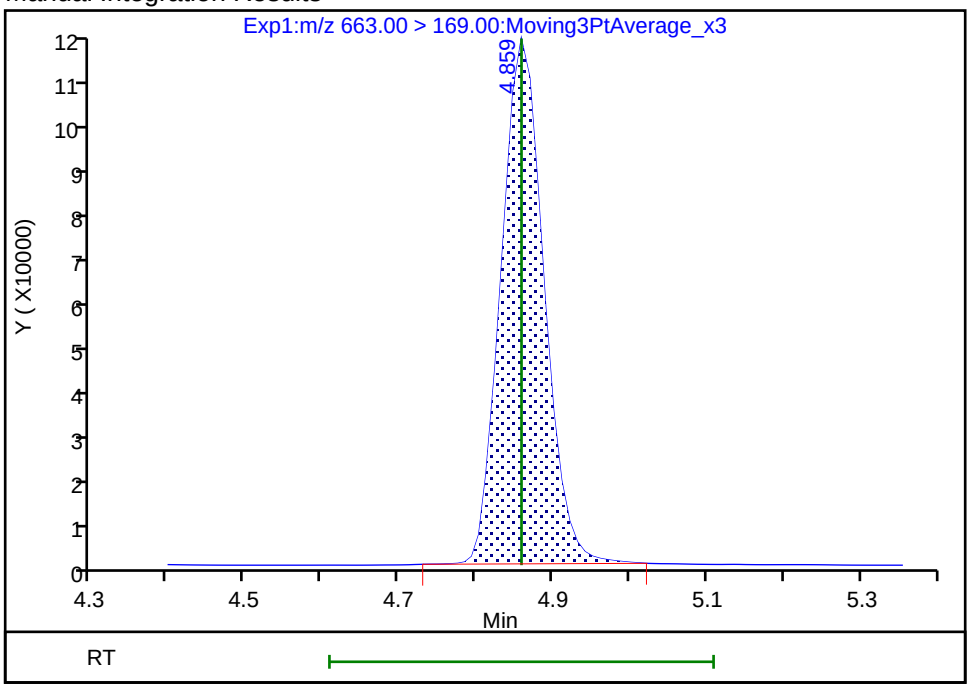
Processing Integration Results

RT: 4.86
Area: 438867
Amount: 2.334866
Amount Units: ng/ml



Manual Integration Results

RT: 4.86
Area: 432883
Amount: 2.334014
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:00:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

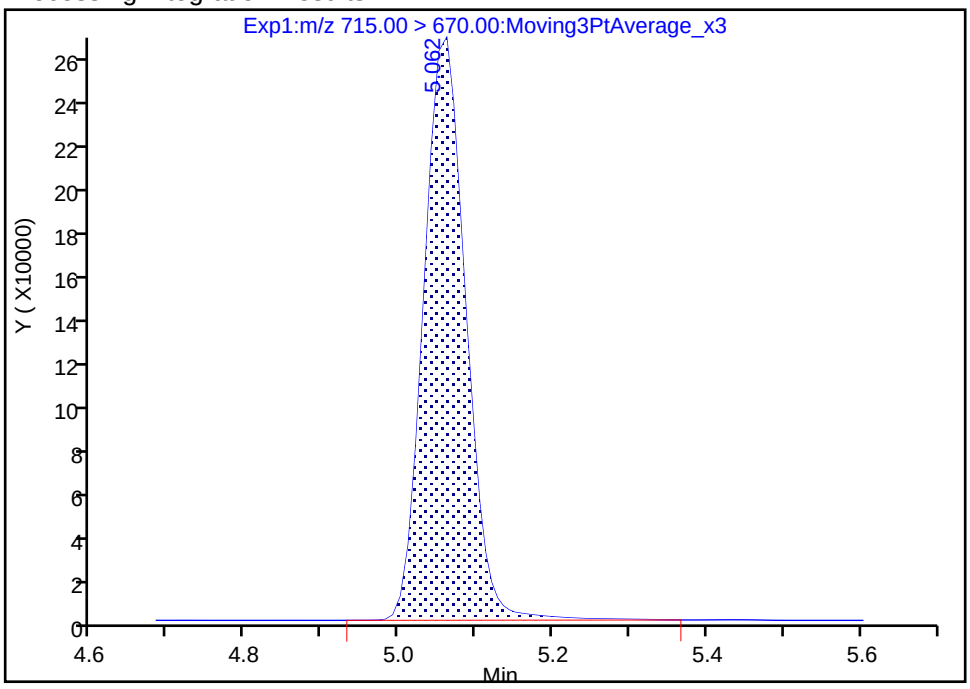
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

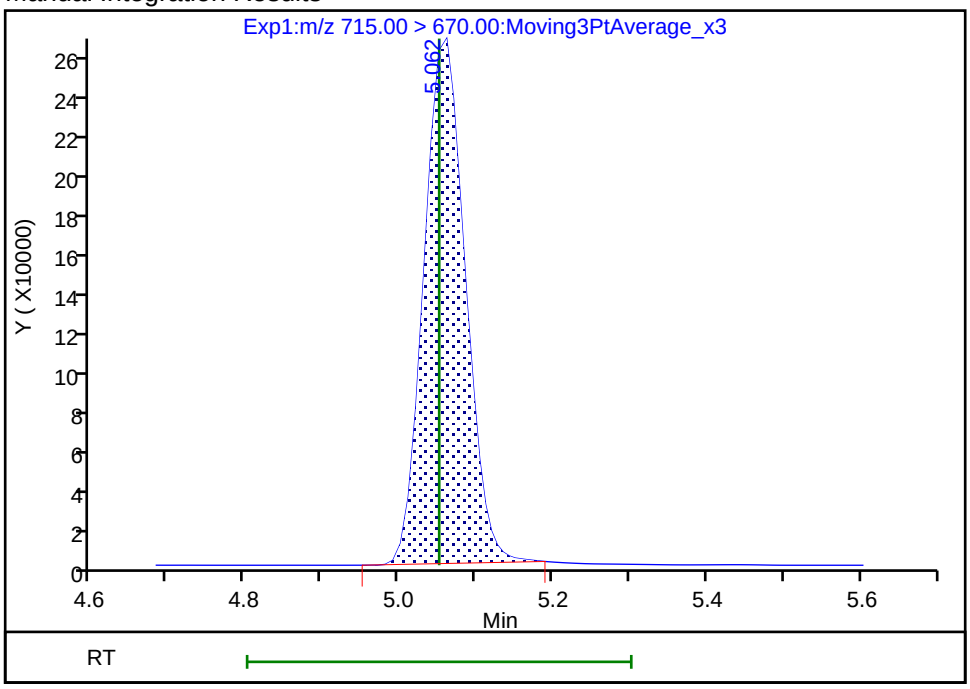
Processing Integration Results

RT: 5.06
Area: 998442
Amount: 1.220089
Amount Units: ng/ml



Manual Integration Results

RT: 5.06
Area: 979883
Amount: 1.231701
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:00:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

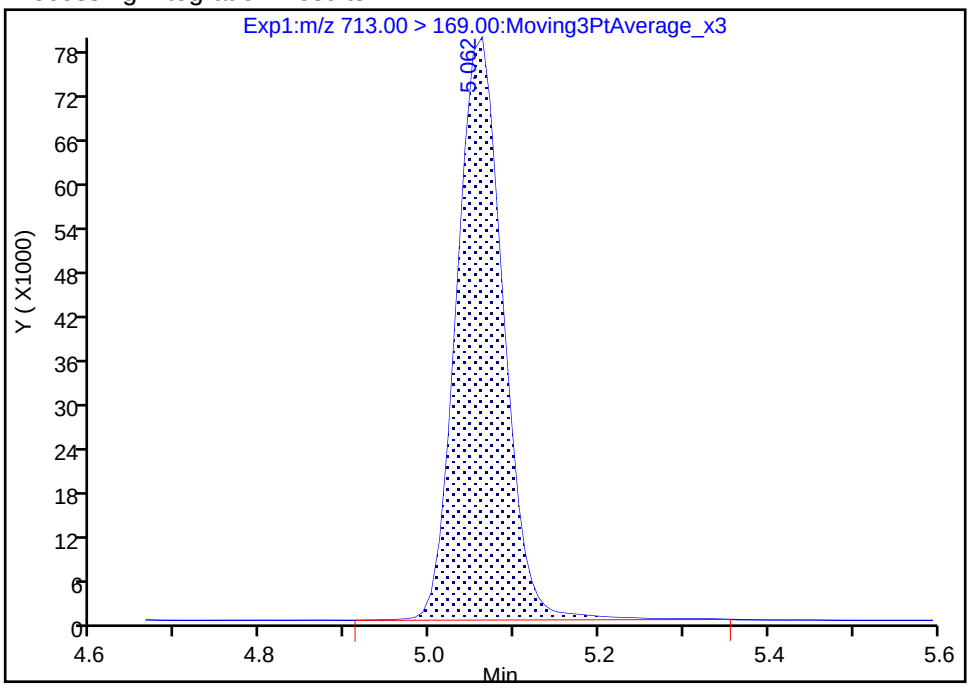
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

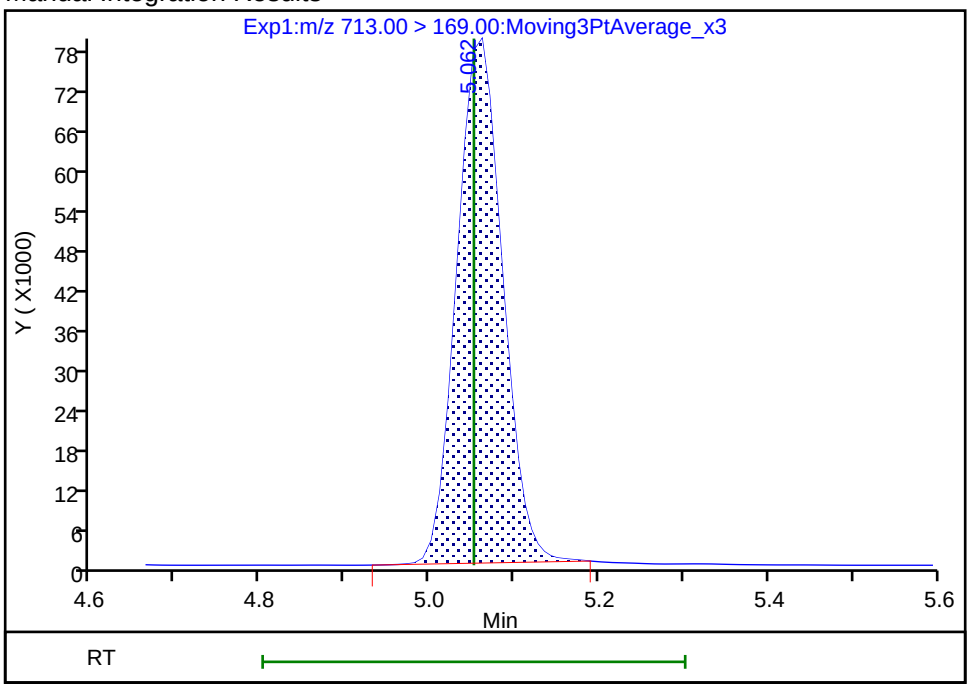
Processing Integration Results

RT: 5.06
Area: 303758
Amount: 2.409911
Amount Units: ng/ml



Manual Integration Results

RT: 5.06
Area: 297564
Amount: 2.369318
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:00:34
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

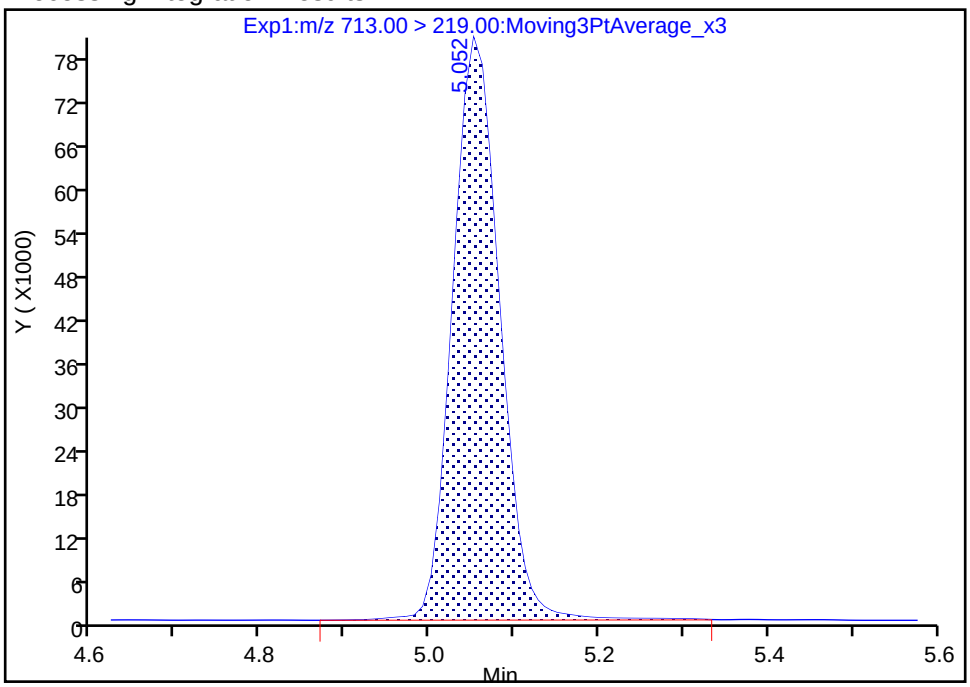
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d				
Injection Date:	03-Aug-2022 13:33:00	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

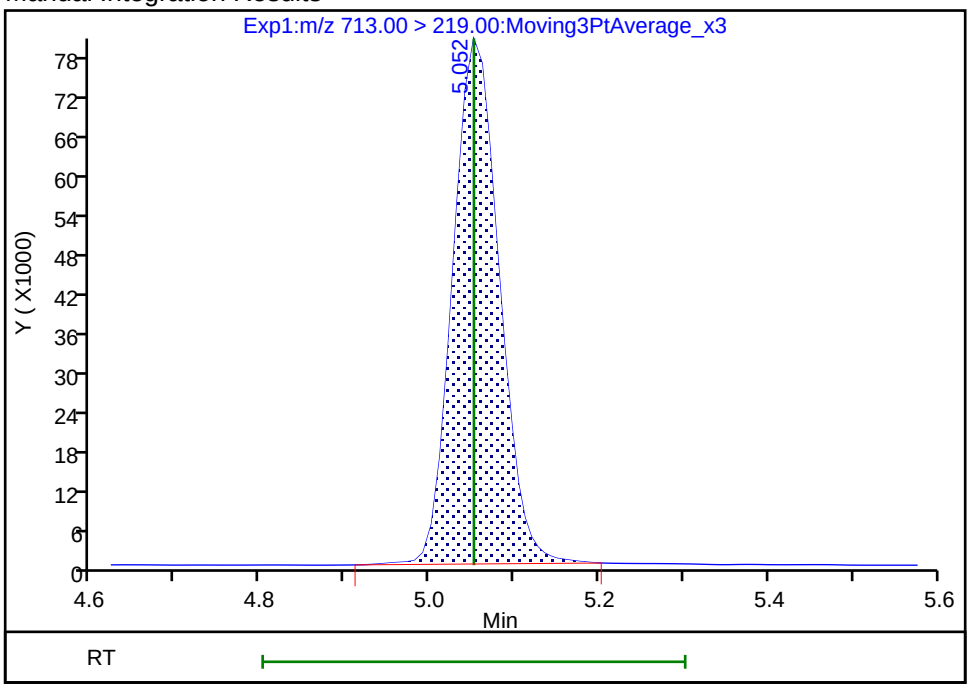
Processing Integration Results

RT: 5.05
Area: 308951
Amount: 2.409911
Amount Units: ng/ml



Manual Integration Results

RT: 5.05
Area: 304623
Amount: 2.369318
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:00:37

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

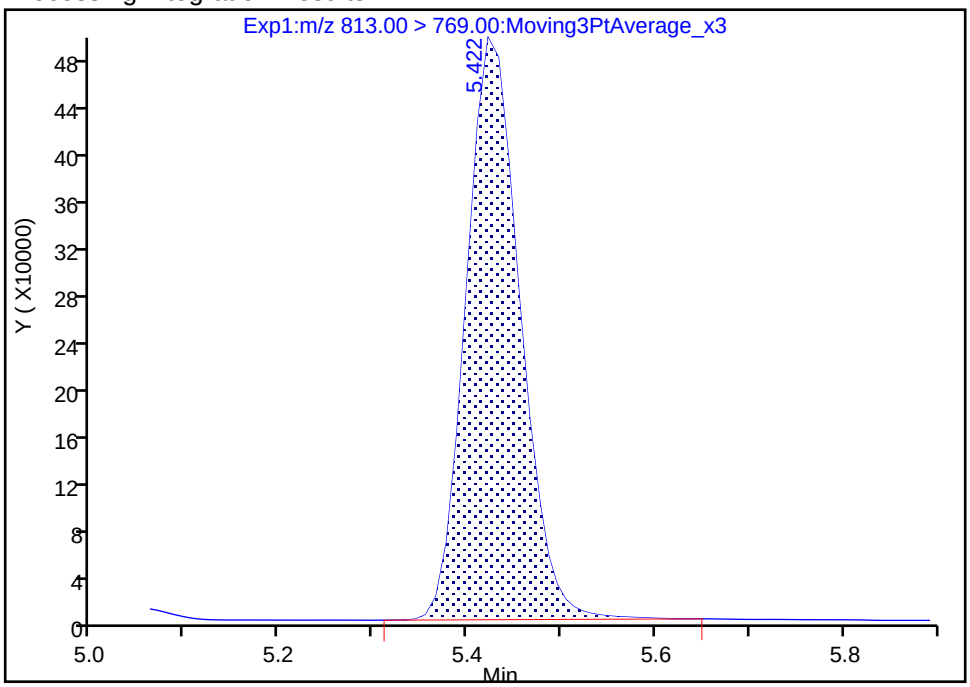
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

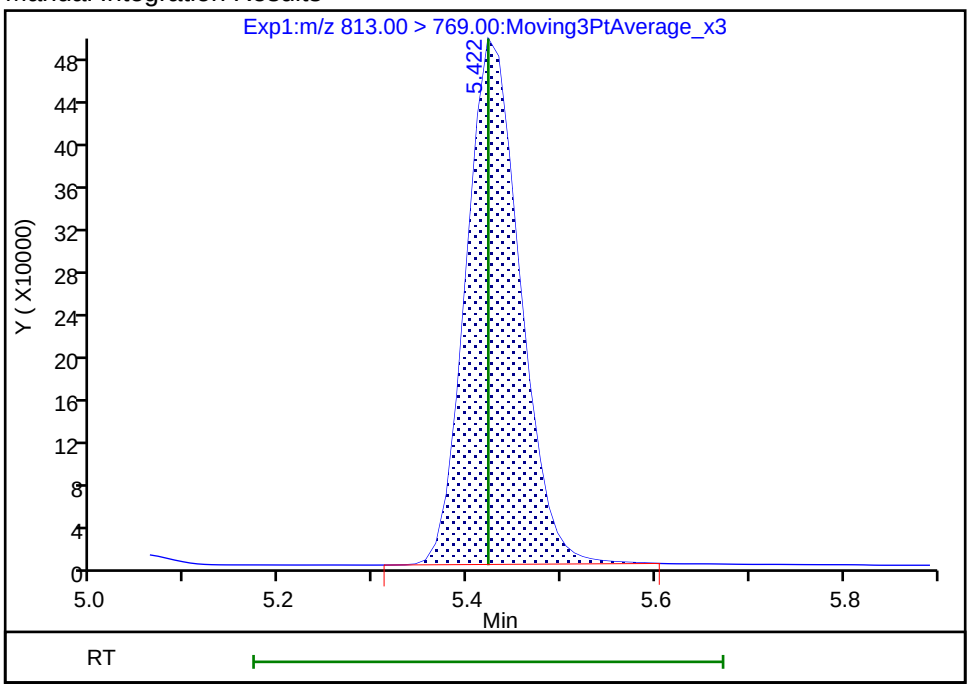
Processing Integration Results

RT: 5.42
Area: 1995676
Amount: 2.489919
Amount Units: ng/ml



Manual Integration Results

RT: 5.42
Area: 1990402
Amount: 2.456727
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:00:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

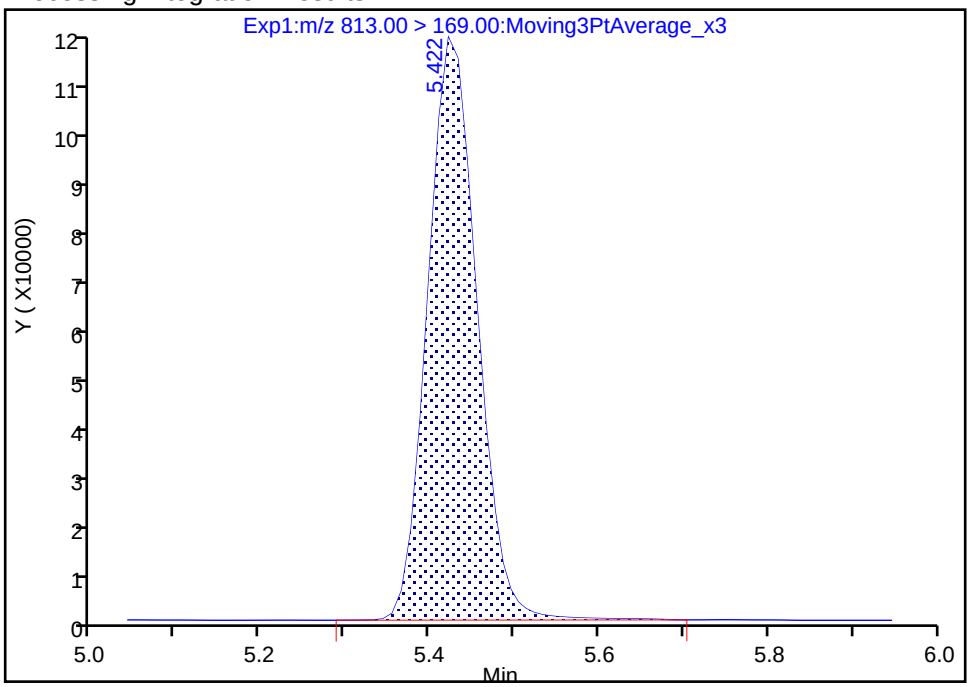
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d
Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

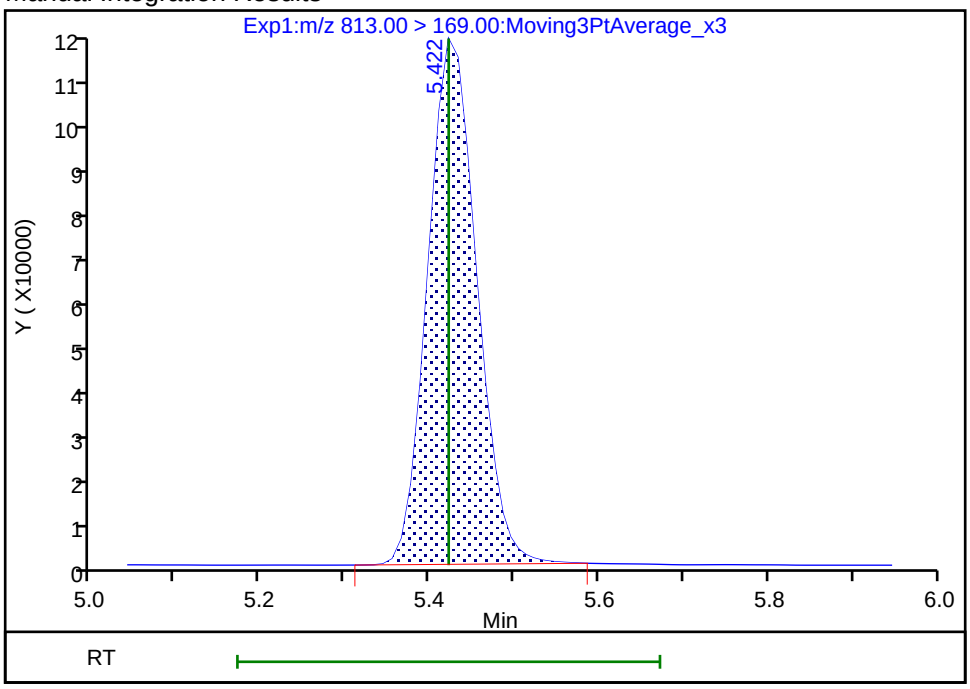
Processing Integration Results

RT: 5.42
Area: 462920
Amount: 2.489919
Amount Units: ng/ml



Manual Integration Results

RT: 5.42
Area: 458670
Amount: 2.456727
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:00:46
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

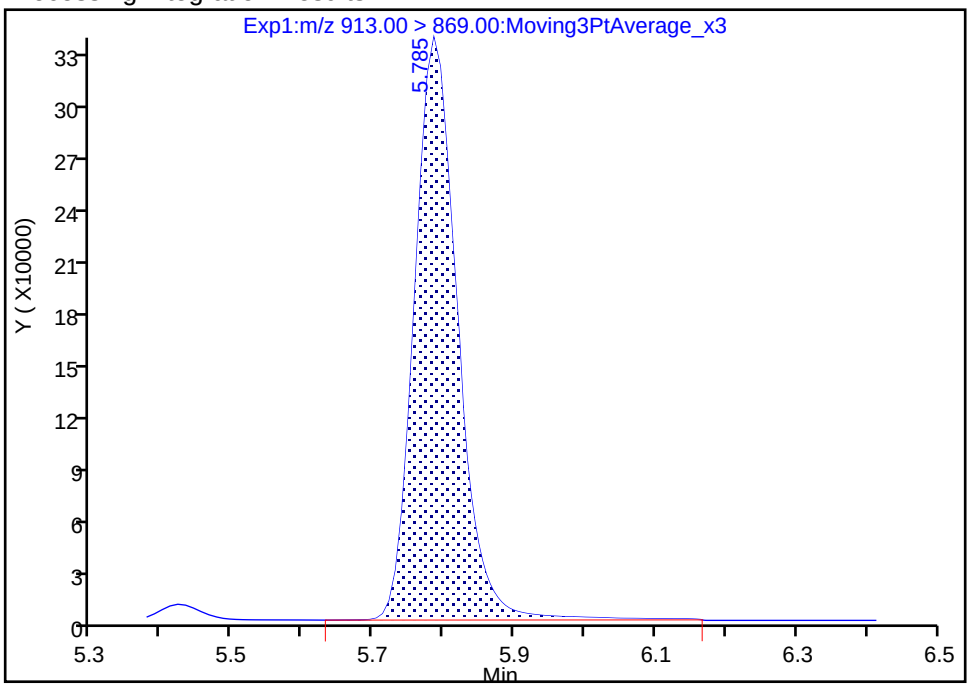
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Injection Date: 03-Aug-2022 13:33:00 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 9
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

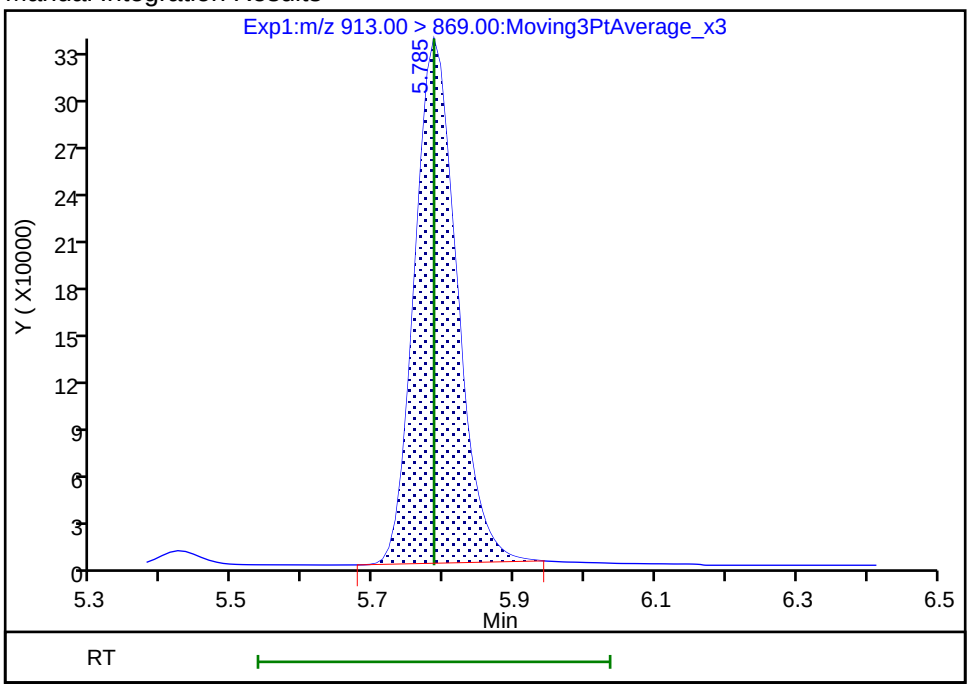
Processing Integration Results

RT: 5.79
Area: 1431994
Amount: 2.347705
Amount Units: ng/ml



Manual Integration Results

RT: 5.79
Area: 1396187
Amount: 2.336629
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:00:54
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL09.d

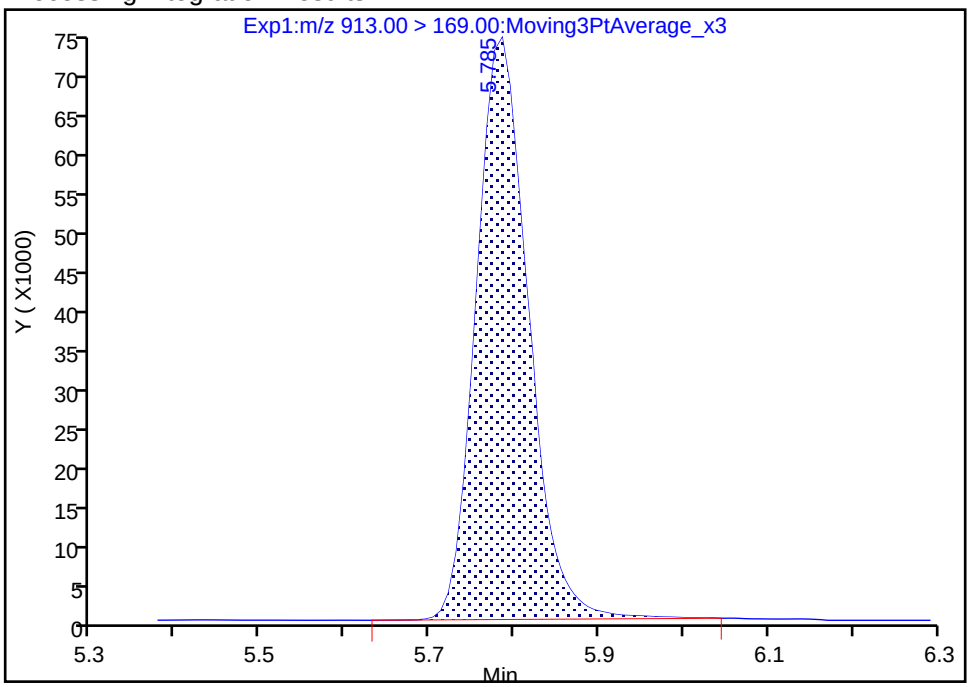
Injection Date:	03-Aug-2022 13:33:00	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	9
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

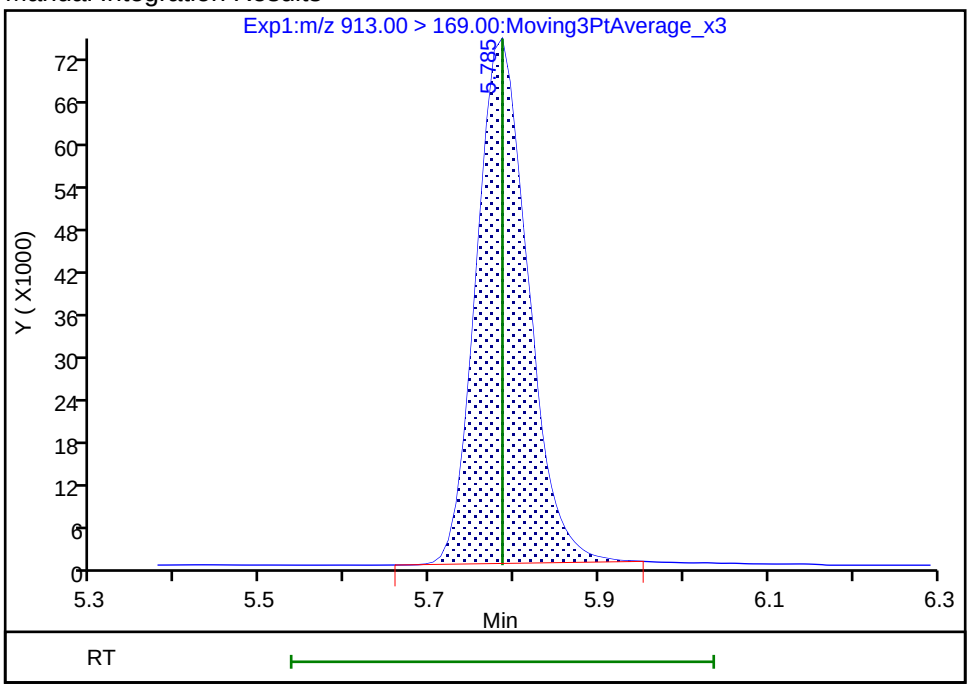
Processing Integration Results

RT: 5.79
Area: 319284
Amount: 2.347705
Amount Units: ng/ml



Manual Integration Results

RT: 5.79
Area: 315550
Amount: 2.336629
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:00:57

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Lims ID: IC
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 03-Aug-2022 13:41:11 ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: IC
Misc. Info.: 200-0051940-010 Plate: 1 Rack: 1
Operator ID: lc812tech Instrument ID: LC812
Sublist: chrom-PFC_LC812*sub3

Method: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 03-Aug-2022 15:08:59 Calib Date: 03-Aug-2022 13:41:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1672

First Level Reviewer: Z1IP Date: 03-Aug-2022 15:08:59
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										M
217.00 > 172.00	2.085	2.085	0.0	0.599	1806199	1.27		101	7682	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.085	0.0	1.000	13183310	9.41		94.1	1717	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.400	0.0	0.689	1356802	1.24		98.9	3240	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.400	2.400	0.0	1.000	10770827	9.63		96.3	394	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.413	2.413	0.0	0.693	1451388	1.14		98.4	151225	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.413	2.413	0.0	1.000	11911747	8.64	Target=2.23	97.8	2980	M
298.90 > 99.00	2.413	2.413	0.0	1.000	5675052		2.10(1.11-3.34)	97.8	1902	M
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.713	2.713	0.0	0.779	128662	1.18		101	136	M
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.713	2.713	0.0	1.000	2363764	9.02		96.6	1377	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.749	2.750	-0.001	1.000	10982567	9.66	Target=12.24	96.6	1262	M
313.00 > 119.00	2.749	2.750	-0.001	1.000	864666		12.70(6.12-18.36)	96.6	1019	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.749	2.750	-0.001	0.790	1361444	1.24		99.4	2541	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.762	2.762	0.0	0.885	11015177	9.12	Target=2.95	97.3	1876	M
349.00 > 99.00	2.762	2.762	0.0	0.885	3620783		3.04(1.48-4.43)	97.3	1698	M
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.859	2.859	0.0	0.821	271626	1.32		105	2268	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.859	2.859	0.0	1.000	2193377	9.39		93.9	1947	M
D 9 13C4 PFHpA										M
367.00 > 322.00	3.121	3.121	0.0	0.896	1400879	1.23		98.6	2331	M
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.121	3.121	0.0	1.000	11197138	9.69	Target=3.73	96.9	1523	M
363.00 > 169.00	3.121	3.121	0.0	1.000	2929777		3.82(1.86-5.59)	96.9	1499	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.121	3.121	0.0	0.896	1101269	1.23		104	1707	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.121	3.121	0.0	1.000	8919353	8.68	Target=3.43	95.4	1367	M
399.00 > 99.00	3.121	3.121	0.0	1.000	2507240		3.56(1.72-5.15)	95.4	1447	M
77 DONA										M
377.00 > 251.00	3.165	3.165	0.0	0.833	24439985	8.64	Target=2.84	91.7	2506	M
377.00 > 85.00	3.165	3.165	0.0	0.833	9289763		2.63(1.42-4.26)	91.7	2444	M
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.474	3.474	0.0	0.997	177168	1.19		99.8	352	M
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.474	3.474	0.0	1.000	2069626	9.50		100	443	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.474	3.474	0.0	0.914	7802287	9.19	Target=4.89	96.5	1959	M
449.00 > 99.00	3.474	3.474	0.0	0.914	1537874		5.07(2.44-7.33)	96.5	1928	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.482	3.482	0.0	1.000	12341745	9.27	Target=2.67	92.7	957	M
413.00 > 169.00	3.482	3.482	0.0	1.000	4602327		2.68(1.34-4.01)	92.7	1596	M
D 14 13C4 PFOA										M
417.00 > 372.00	3.482	3.482	0.0	1.000	1483901	1.27		102	1496	M
* 62 13C2 PFOA										M
415.00 > 370.00	3.482	3.482	0.0		1527618	1.25			1548	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.802	3.802	0.0	1.000	6393833	9.33	Target=4.88	101	1465	M
499.00 > 99.00	3.802	3.802	0.0	1.000	1390243		4.60(2.44-7.32)	101	2111	M
D 18 13C4 PFOS										M
503.00 > 80.00	3.802	3.802	0.0	1.092	821046	1.23		103	806	M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.822	3.822	0.0	1.000	11406519	9.42	Target=8.23	94.2	1661	M
463.00 > 169.00	3.822	3.822	0.0	1.000	1469986		7.76(4.11-12.34)	94.2	2123	M
D 19 13C5 PFNA										
468.00 > 423.00	3.822	3.822	0.0	1.098	1487561	1.23		98.5	3290	
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.969	3.969	0.0	1.044	10822143	8.92		95.7	2759	M
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.092	4.093	-0.001	1.076	4925638	9.16	Target=2.53	95.4	1555	M
549.00 > 99.00	4.092	4.093	-0.001	1.076	2007966		2.45(1.26-3.79)	95.4	2310	M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.138	4.127	0.011	1.000	1625337	9.09		94.9	2291	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.127	4.127	0.0	1.000	11511562	9.25	Target=9.67	92.5	1798	M
513.00 > 169.00	4.127	4.127	0.0	1.000	1252336		9.19(4.83-14.50)	92.5	1569	M
D 23 13C2 PFDA										M
515.00 > 470.00	4.127	4.127	0.0	1.185	1479189	1.26		101	1443	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.138	4.138	0.0	1.188	221709	1.23		103	911	
D 21 13C8 FOSA										M
506.00 > 78.00	4.173	4.173	-0.001	1.198	1290314	1.25		100	1960	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.184	4.173	0.011	1.003	10178171	9.68		96.8	1889	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.273	4.273	0.0	1.000	1461120	9.87		98.7	708	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.273	4.273	0.0	1.227	208390	1.32		106	156	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.364	4.365	-0.001	1.148	3753346	9.38	Target=2.80	97.3	1755	M
599.00 > 99.00	4.364	4.365	-0.001	1.148	1439627		2.61(1.40-4.20)	97.3	1798	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.398	4.399	-0.001	1.263	1097436	1.23		98.5	1426	M
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.398	4.399	-0.001	1.000	8843669	9.51	Target=9.07	95.1	2177	M
563.00 > 169.00	4.398	4.399	-0.001	1.000	1029859		8.59(4.54-13.61)	95.1	1713	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.410	4.410	0.0	1.000	1315871	9.87		98.7	1122	M
D 32 d5-NEtFOSAA										M
589.00 > 419.00	4.410	4.410	0.0	1.266	183559	1.23		98.4	772	M
66 11-Chloroeicosafluoro-3-oxaundec										M
631.00 > 451.00	4.504	4.491	0.013	1.185	13952793	8.83		93.8	1796	M
D 36 13C2 PFDoA										
615.00 > 570.00	4.633	4.633	0.0	1.330	1209177	1.31		105	3083	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.633	4.633	0.0	1.000	9235605	9.41	Target=6.97	94.1	944	M
613.00 > 169.00	4.633	4.633	0.0	1.000	1408846		6.56(3.48-10.45)	94.1	2147	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.654	4.654	0.0	1.125	745570	8.93		92.6	1125	M
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.812	4.813	-0.001	1.266	1630442	9.17	Target=0.52	94.8	1791	M
699.00 > 99.00	4.812	4.813	-0.001	1.266	3129781		0.52(0.26-0.79)	94.8	2015	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.859	4.859	0.0	1.049	7584486	8.92	Target=4.56	89.2	786	M
663.00 > 169.00	4.859	4.859	0.0	1.049	1722893		4.40(2.28-6.84)	89.2	1600	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.062	5.052	0.010	1.454	949490	1.26		101	2056	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.062	5.052	0.010	1.000	1163895	9.56	Target=0.94	95.6	1501	M
713.00 > 219.00	5.052	5.052	0.0	0.998	1252704		0.93(0.47-1.41)	95.6	1611	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.422	5.422	0.0	1.000	7724125	9.98	Target=4.38	99.8	1090	M
813.00 > 169.00	5.422	5.422	0.0	1.000	1801906		4.29(2.19-6.57)	99.8	2158	M
D 44 13C2 PFHxDA										M
815.00 > 770.00	5.422	5.422	0.0	1.557	1080090	1.26		100	2274	M
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.785	5.786	-0.001	1.067	5256805	9.15	Target=4.31	91.5	501	M
913.00 > 169.00	5.785	5.786	-0.001	1.067	1205334		4.36(2.16-6.47)	91.5	966	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

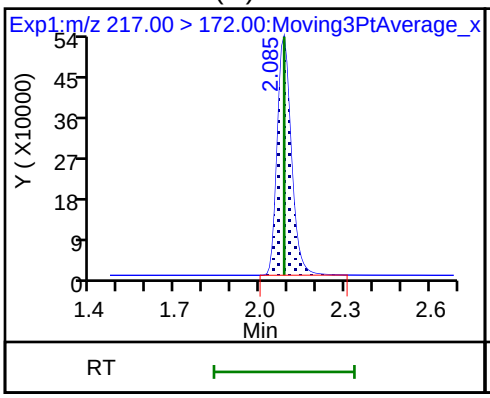
PFAS32NCIC6_00012 Amount Added: 100.00 Units: uL

Report Date: 03-Aug-2022 15:09:00 Chrom Revision: 2.3 29-Jul-2022 15:21:48

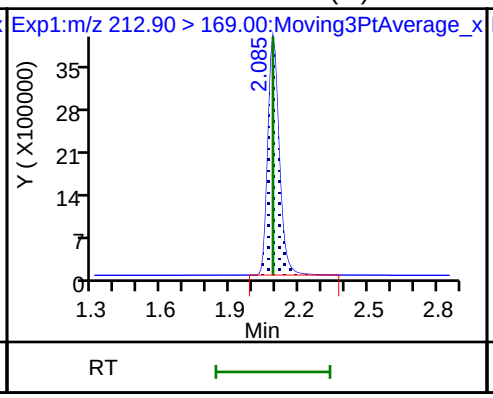
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL

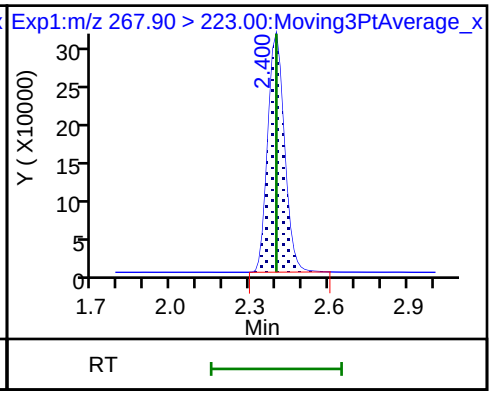
D 1 13C4 PFBA (M)



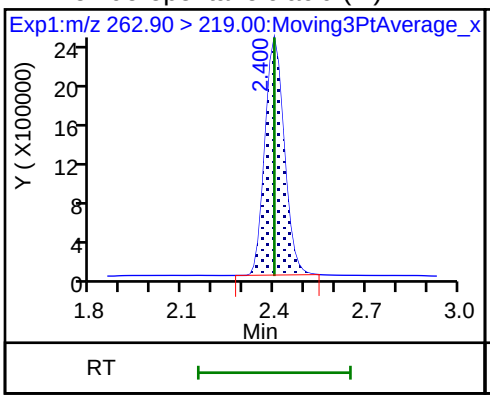
2 Perfluorobutanoic acid (M)



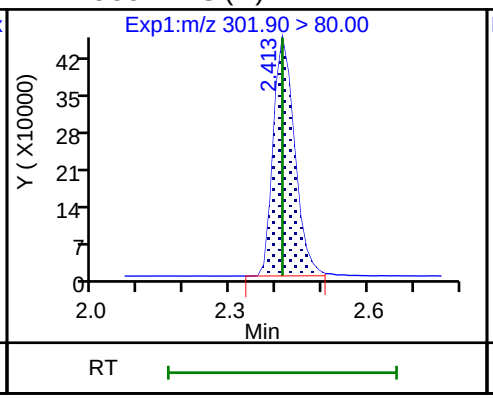
D 3 13C5 PFPeA



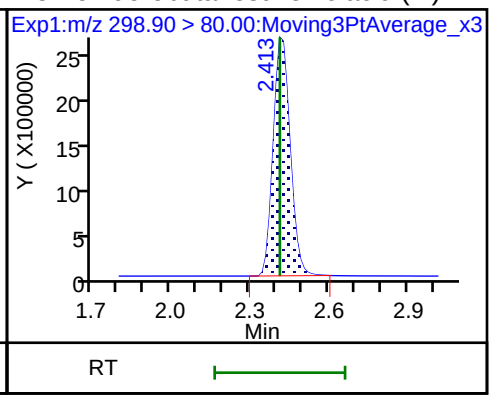
4 Perfluoropentanoic acid (M)



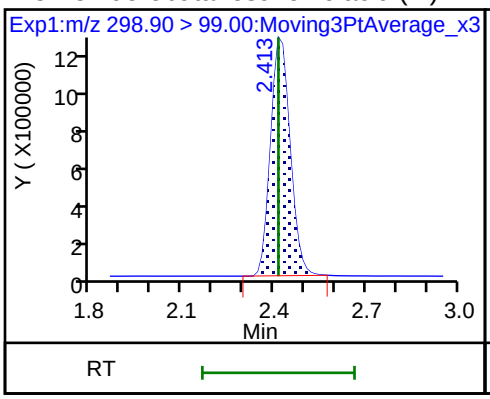
D 47 13C3 PFBS (M)



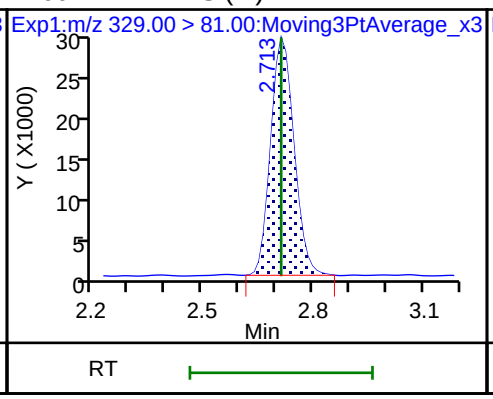
5 Perfluorobutanesulfonic acid (M)



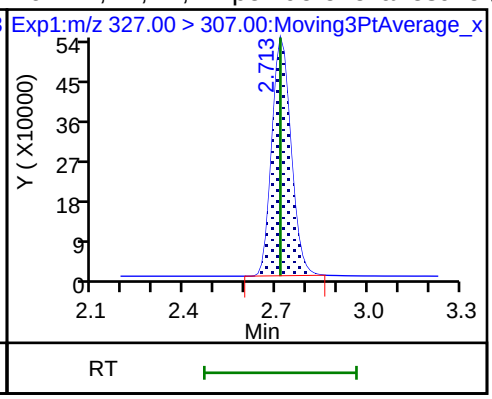
5 Perfluorobutanesulfonic acid (M)



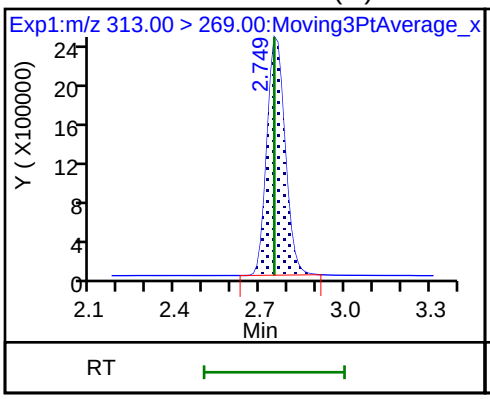
D 60 M2-4:2 FTS (M)



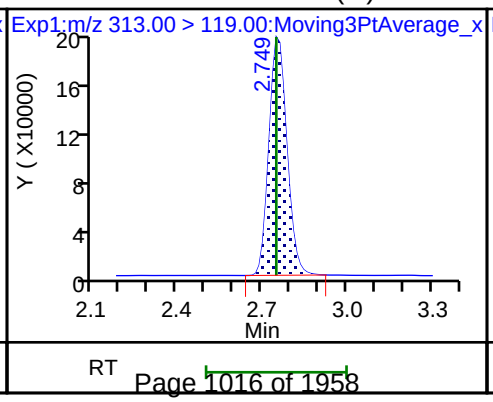
61 1H,1H,2H,2H-perfluorohexanesulfo (M)



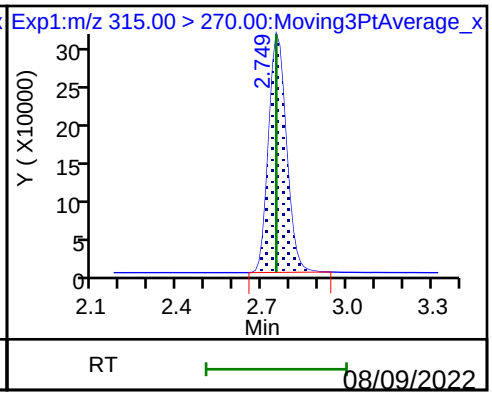
6 Perfluorohexanoic acid (M)



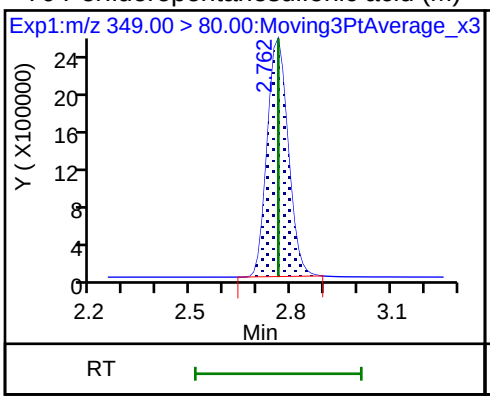
6 Perfluorohexanoic acid (M)



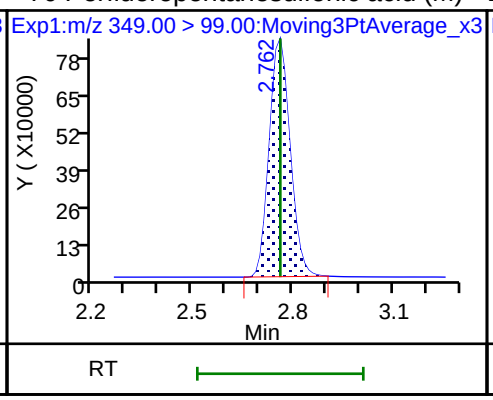
D 7 13C2 PFHxA



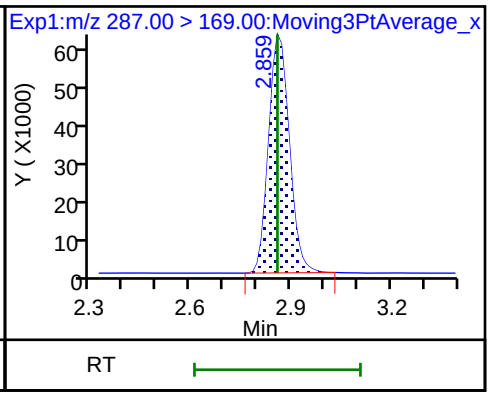
70 Perfluoropentanesulfonic acid (M)



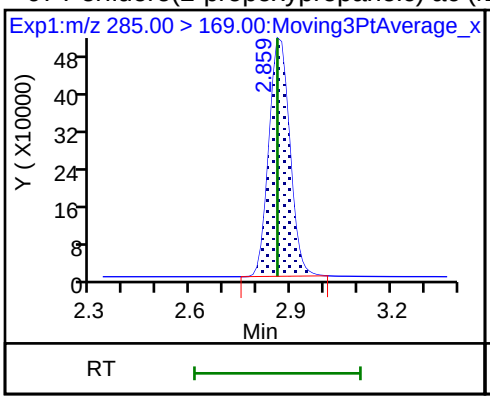
70 Perfluoropentanesulfonic acid (M)



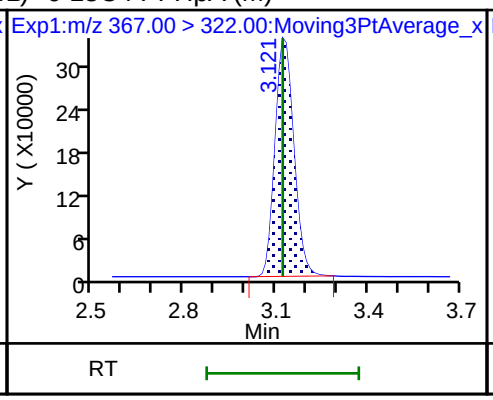
D 64 13C3 HFPO-DA



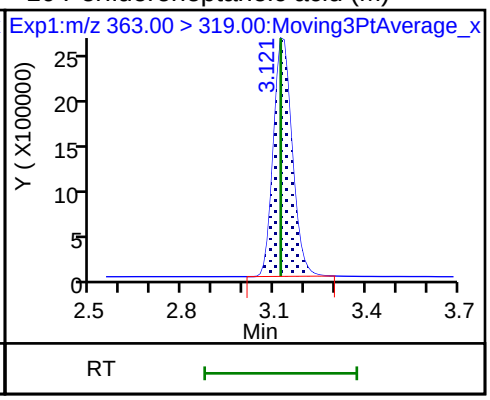
67 Perfluoro(2-propoxypropanoic) ac (M)



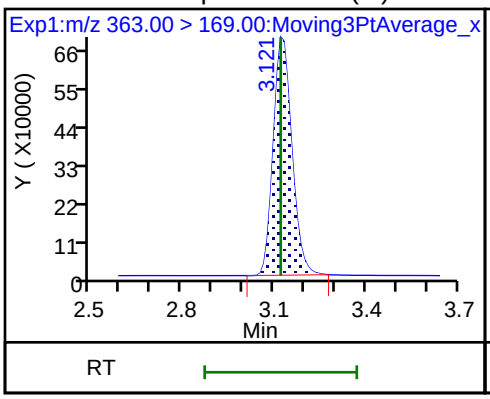
D 9 13C4 PFHpA (M)



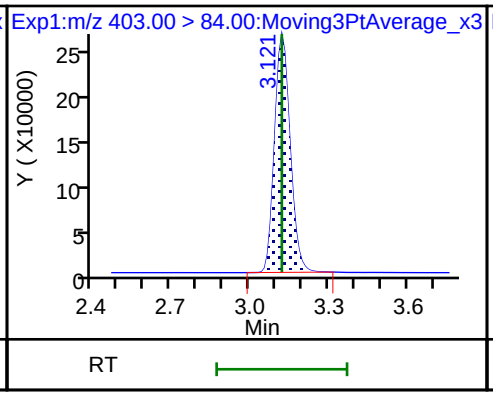
10 Perfluoroheptanoic acid (M)



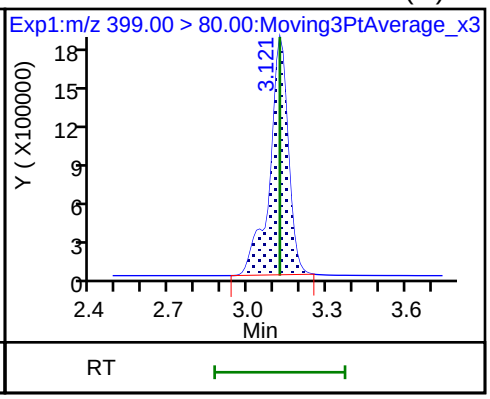
10 Perfluoroheptanoic acid (M)



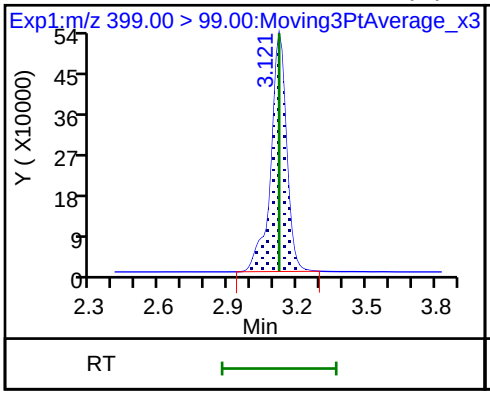
D 11 18O2 PFHxS



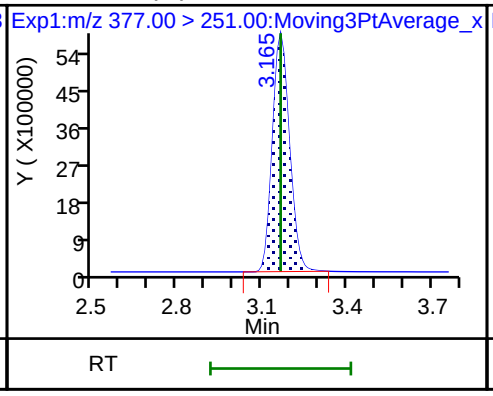
8 Perfluorohexanesulfonic acid (M)



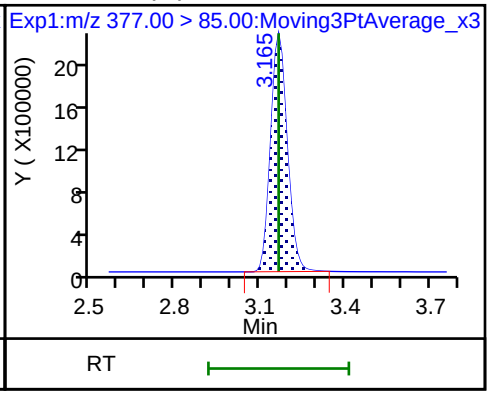
8 Perfluorohexanesulfonic acid (M)



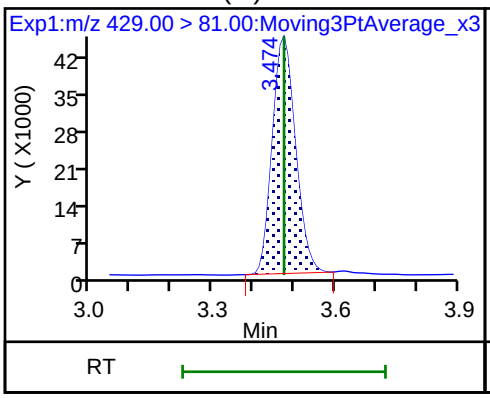
77 DONA (M)



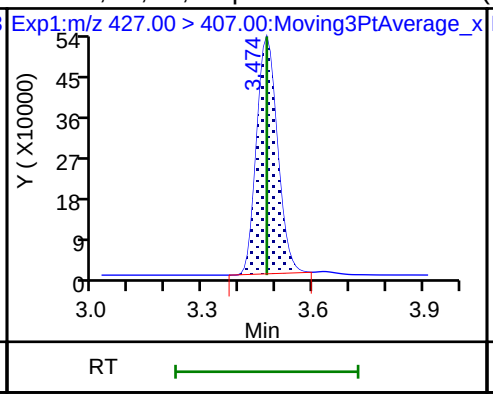
77 DONA (M)



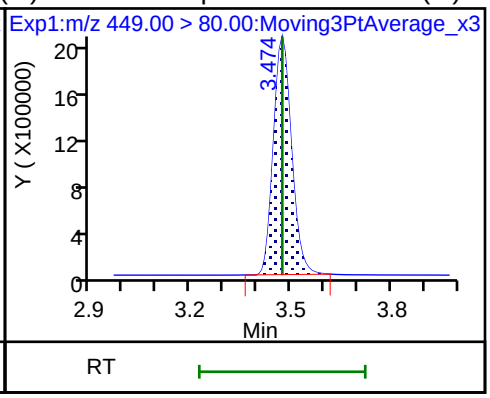
D 12 M2-6:2 FTS (M)



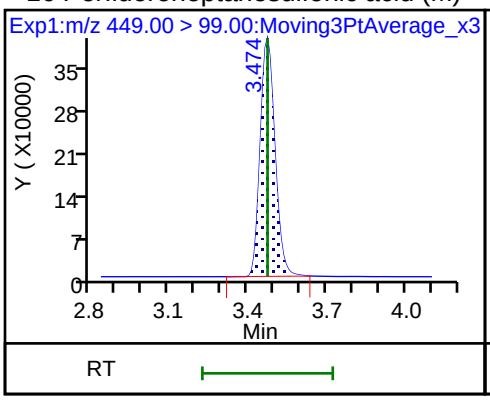
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



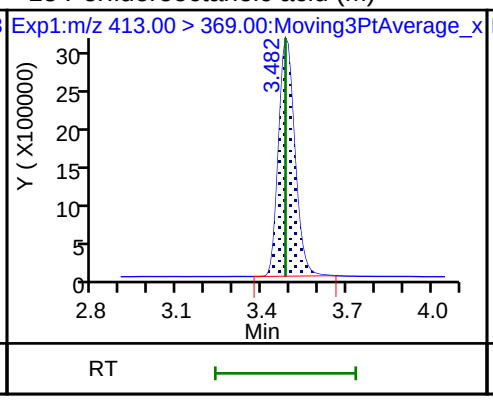
16 Perfluoroheptanesulfonic acid (M)



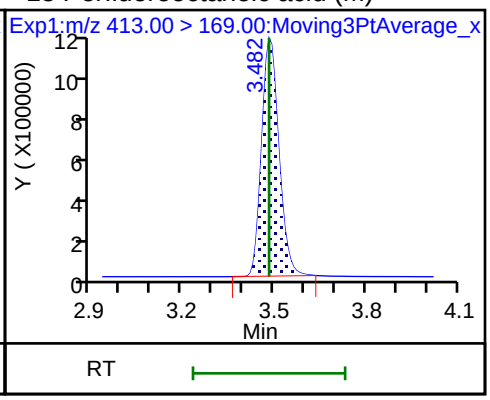
16 Perfluoroheptanesulfonic acid (M)



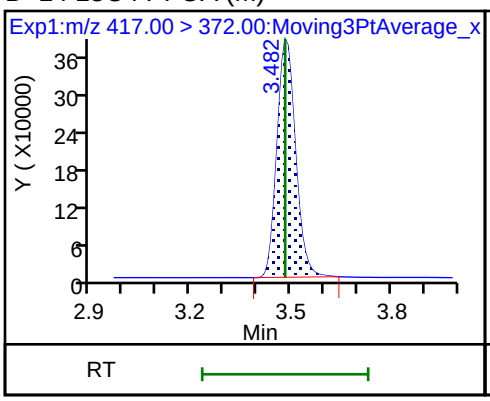
15 Perfluorooctanoic acid (M)



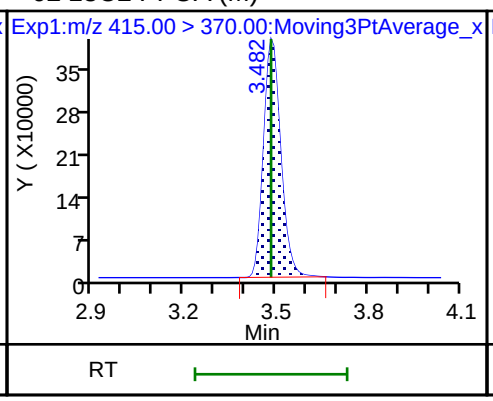
15 Perfluorooctanoic acid (M)



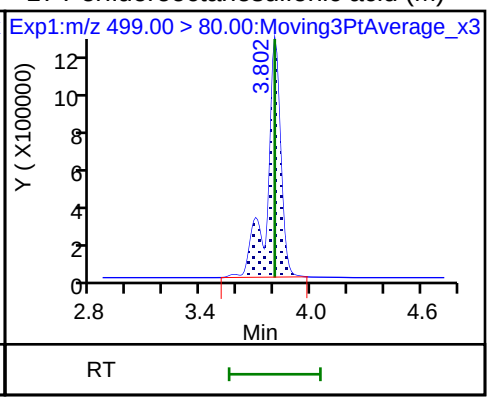
D 14 13C4 PFOA (M)



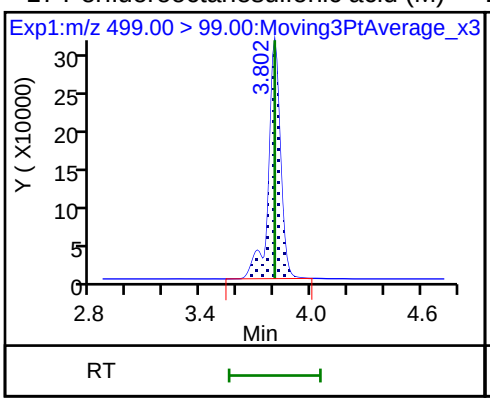
* 62 13C2 PFOA (M)



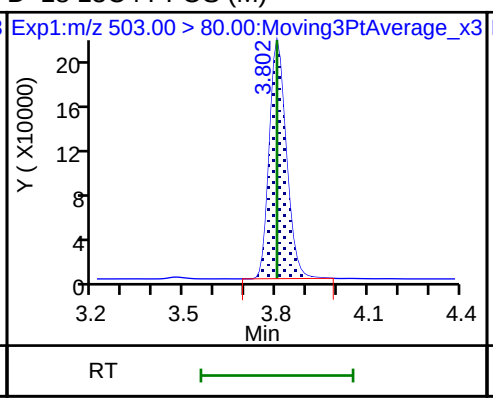
17 Perfluorooctanesulfonic acid (M)



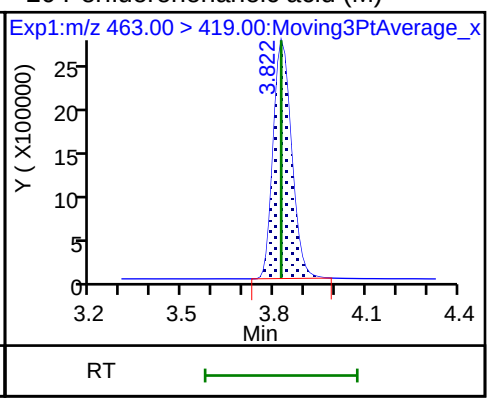
17 Perfluorooctanesulfonic acid (M)



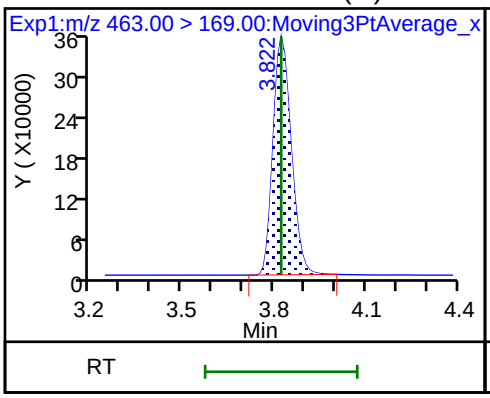
D 18 13C4 PFOS (M)



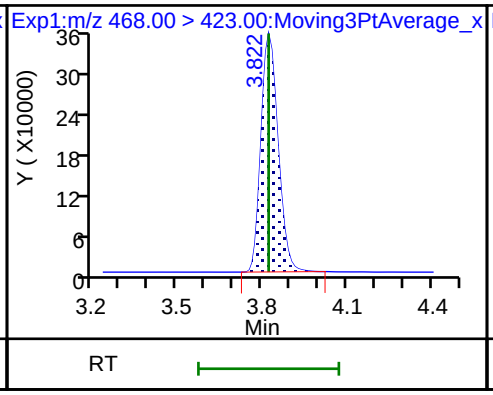
20 Perfluorononanoic acid (M)



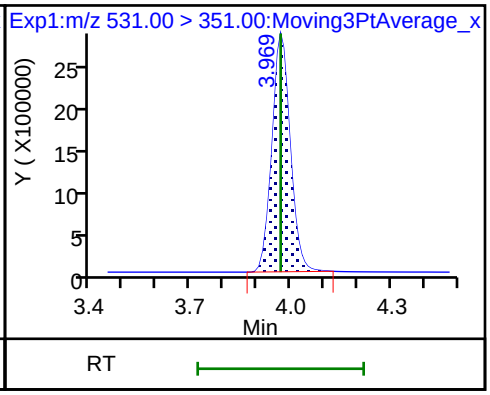
20 Perfluorononanoic acid (M)



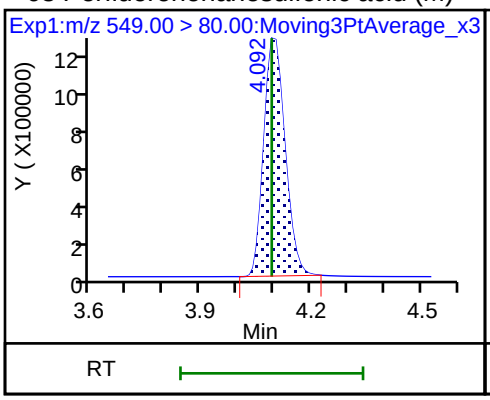
D 19 13C5 PFNA



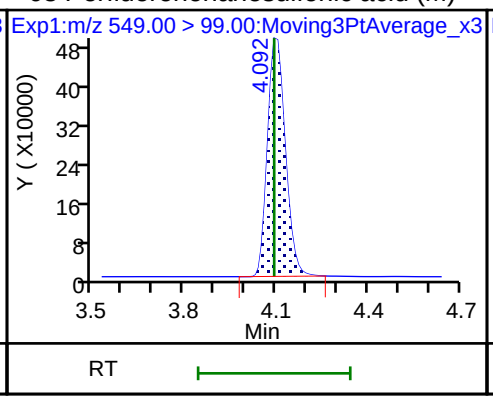
69 9-Chlorohexadecafluoro-3-oxanona (M)



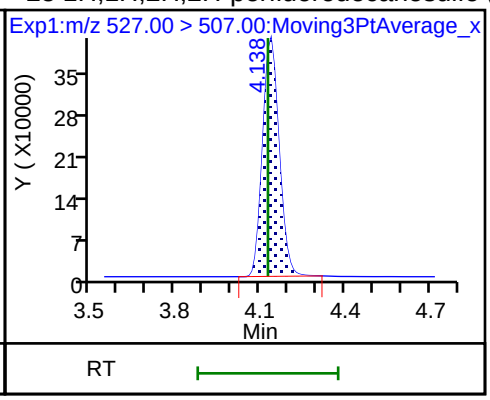
68 Perfluorononanesulfonic acid (M)



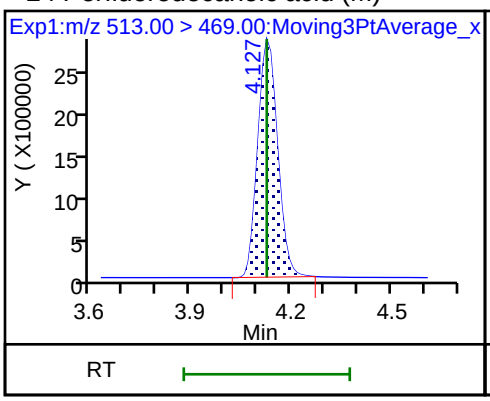
68 Perfluorononanesulfonic acid (M)



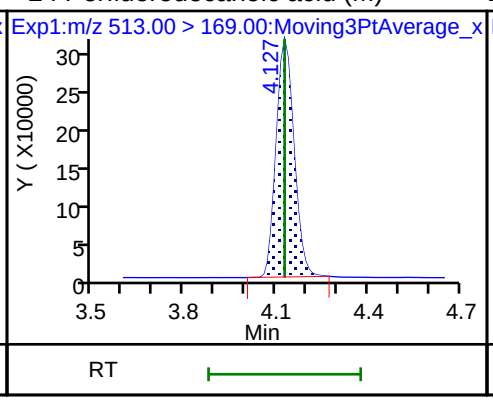
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



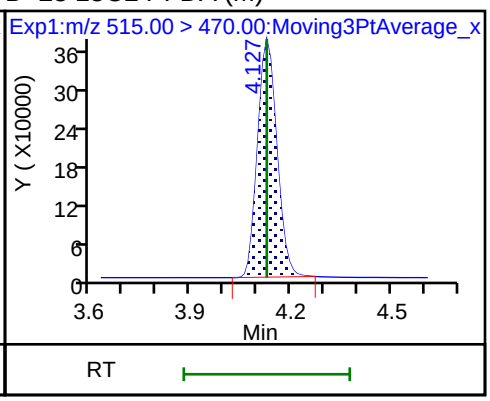
24 Perfluorodecanoic acid (M)



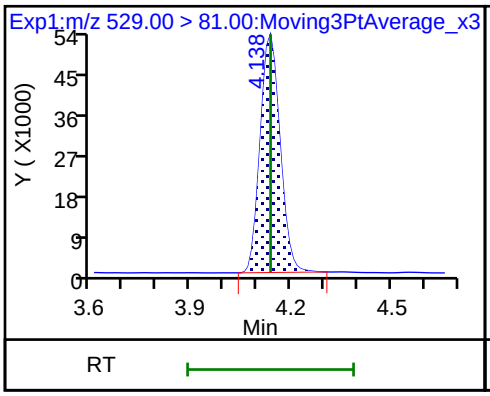
24 Perfluorodecanoic acid (M)



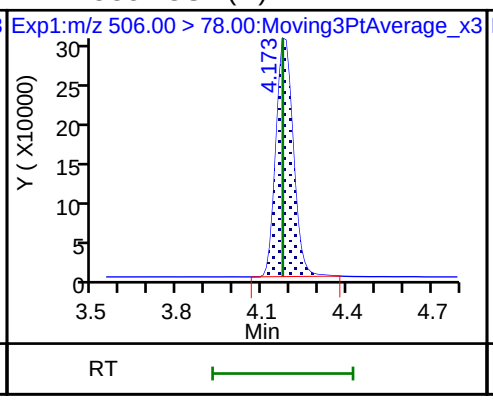
D 23 13C2 PFDA (M)



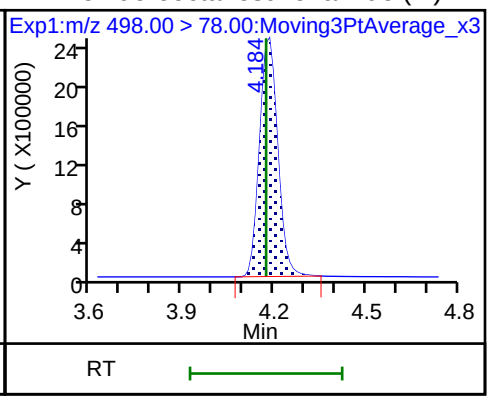
D 26 M2-8:2 FTS



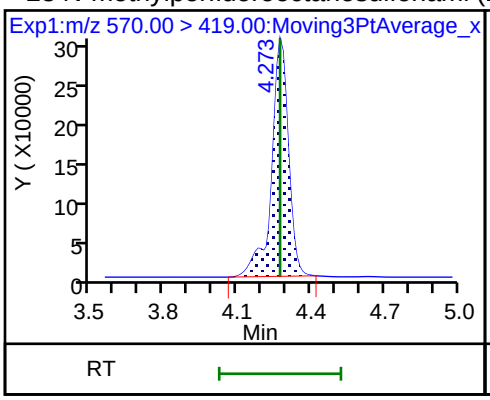
D 21 13C8 FOSA (M)



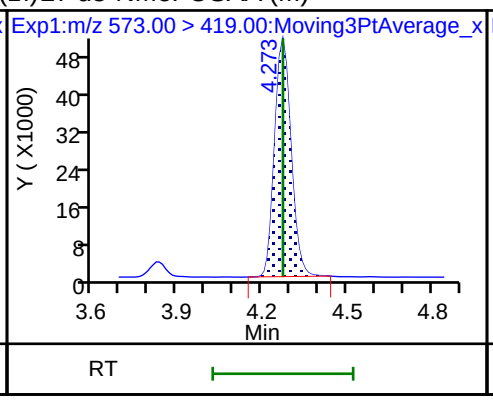
22 Perfluorooctanesulfonamide (M)



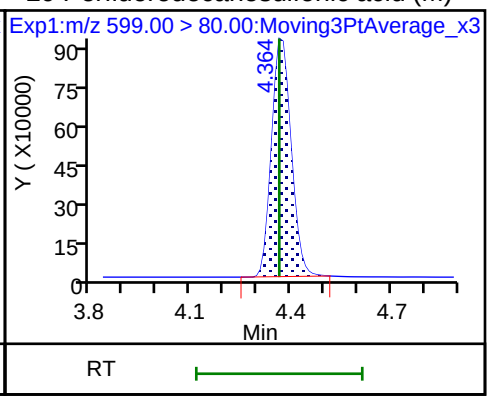
28 N-methylperfluorooctanesulfonami (M)



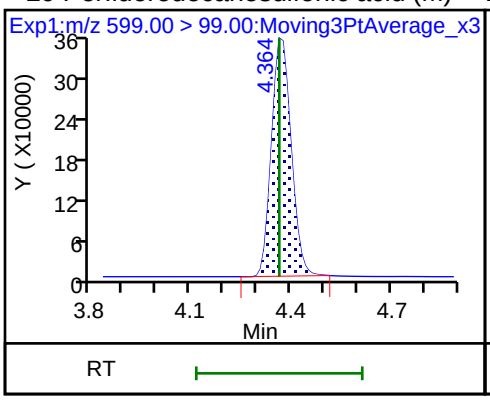
D 27 d3-NMeFOSAA (M)



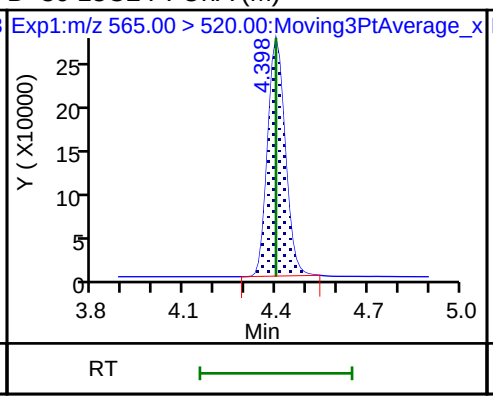
29 Perfluorodecanesulfonic acid (M)



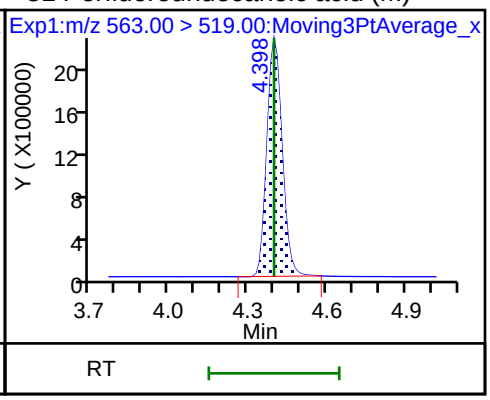
29 Perfluorodecanesulfonic acid (M)



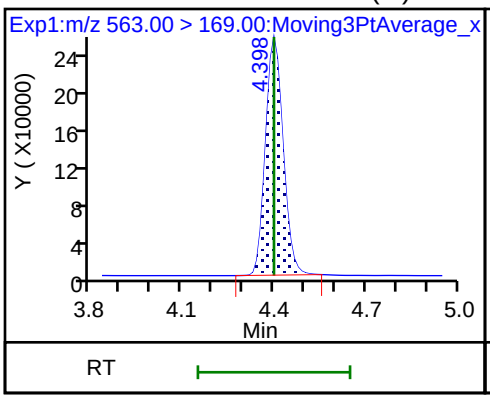
D 30 13C2 PFUnA (M)



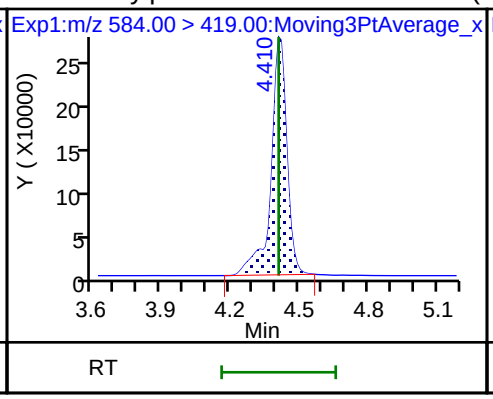
31 Perfluoroundecanoic acid (M)



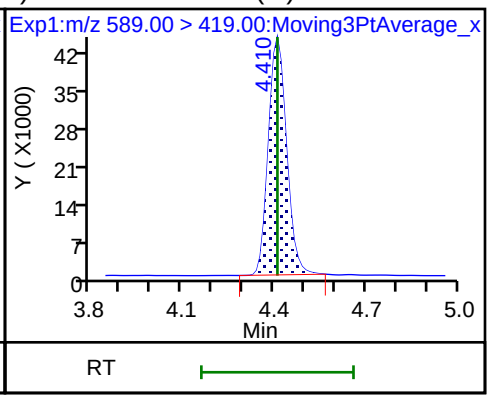
31 Perfluoroundecanoic acid (M)



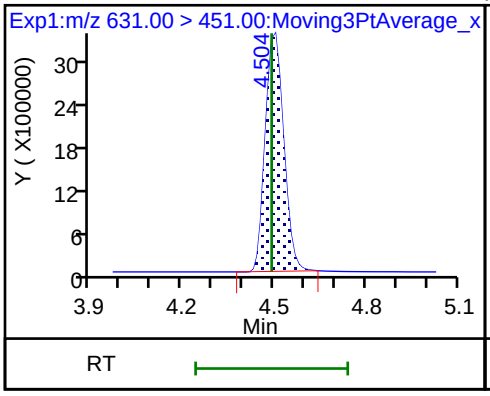
33 N-ethylperfluorooctanesulfonamid (M)



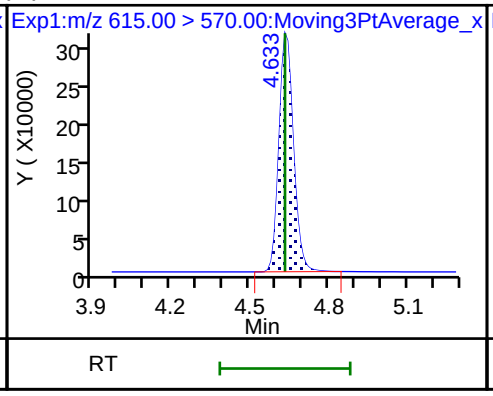
D 32 d5-NEtFOSAA (M)



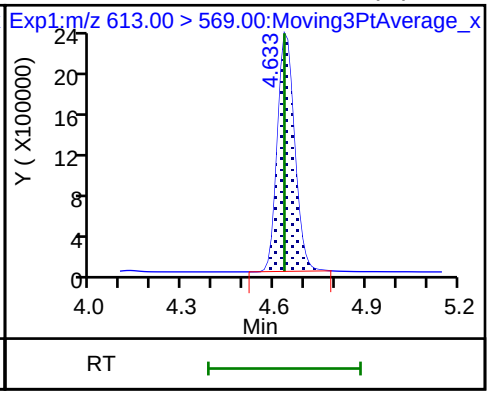
66 11-Chloroeicosafluoro-3-oxaundec (M)



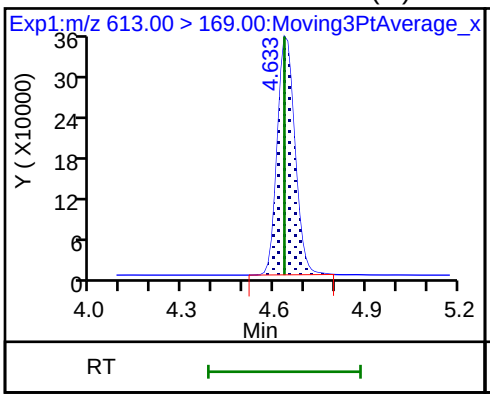
D 36 13C2 PFDoA



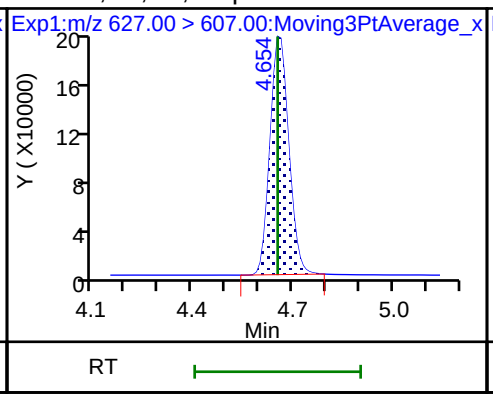
37 Perfluorododecanoic acid (M)



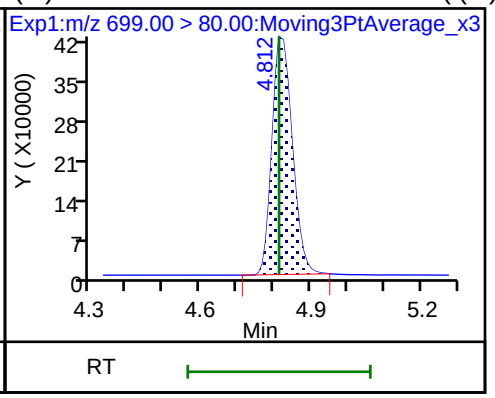
37 Perfluorododecanoic acid (M)



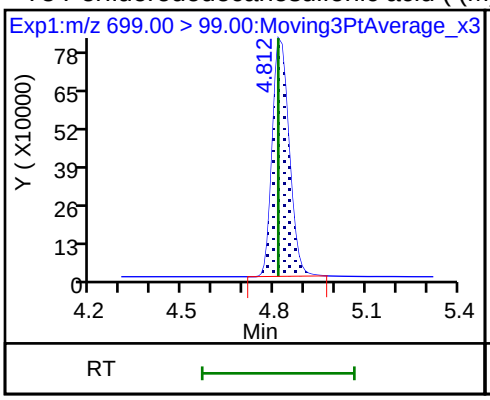
74 1H,1H,2H,2H-perfluorododecanesul (M)



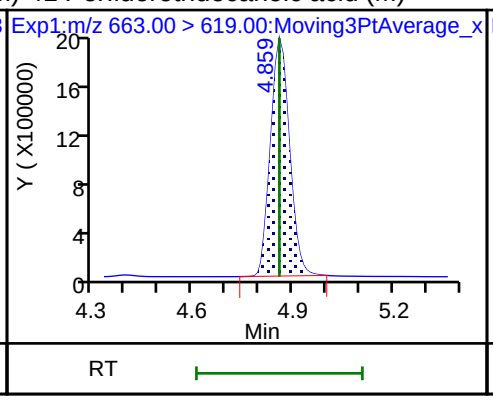
75 Perfluorododecanesulfonic acid ((M)



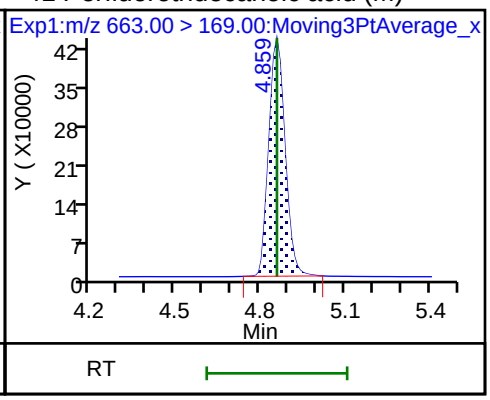
75 Perfluorododecanesulfonic acid ((M)



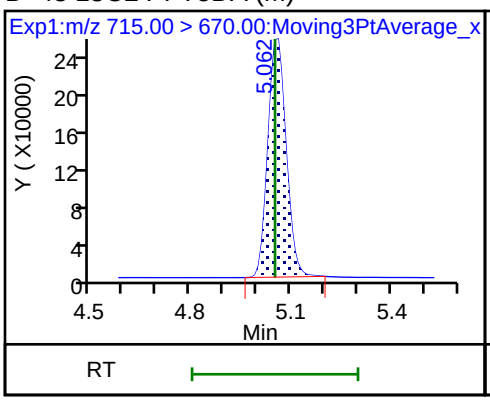
41 Perfluorotridecanoic acid (M)



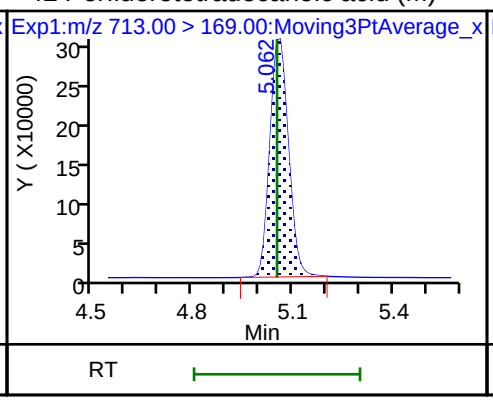
41 Perfluorotridecanoic acid (M)



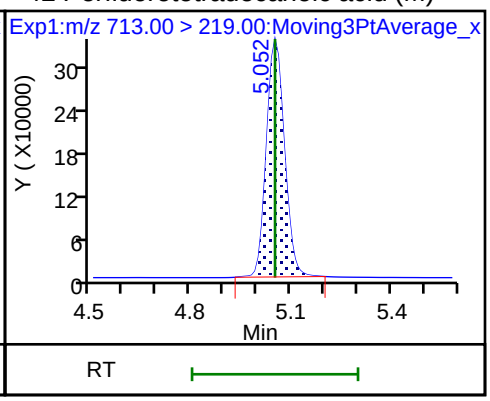
D 43 13C2 PFTeDA (M)



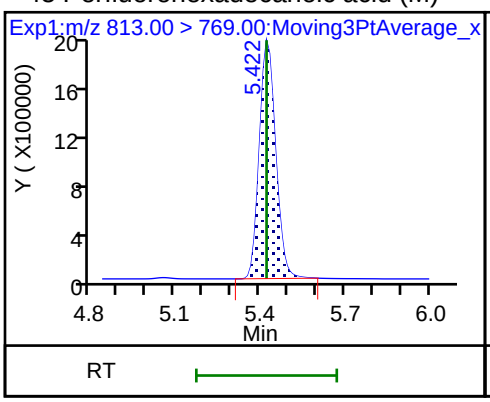
42 Perfluorotetradecanoic acid (M)



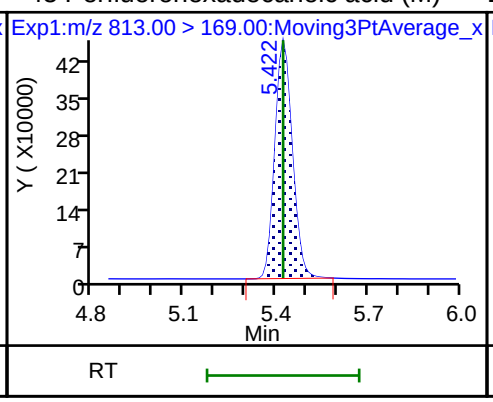
42 Perfluorotetradecanoic acid (M)



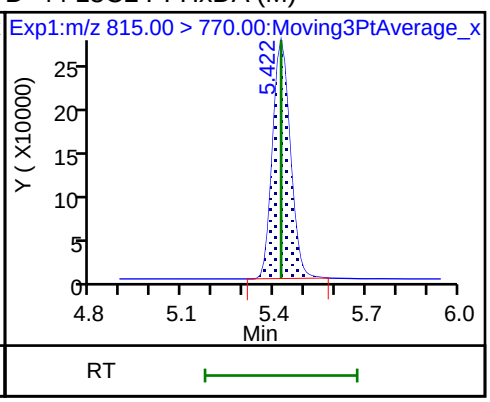
45 Perfluorohexadecanoic acid (M)



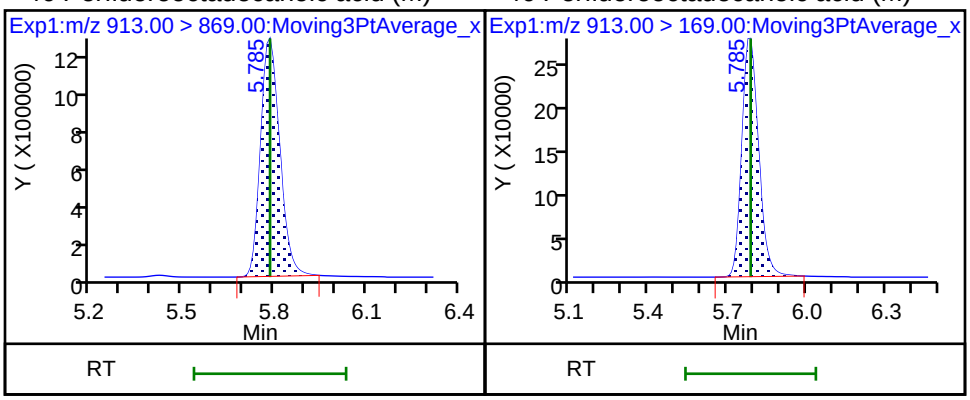
45 Perfluorohexadecanoic acid (M)



D 44 13C2 PFHxDA (M)



46 Perfluorooctadecanoic acid (M)



46 Perfluorooctadecanoic acid (M)

Manual Integration/User Assign Peak Report

Eurofins Burlington

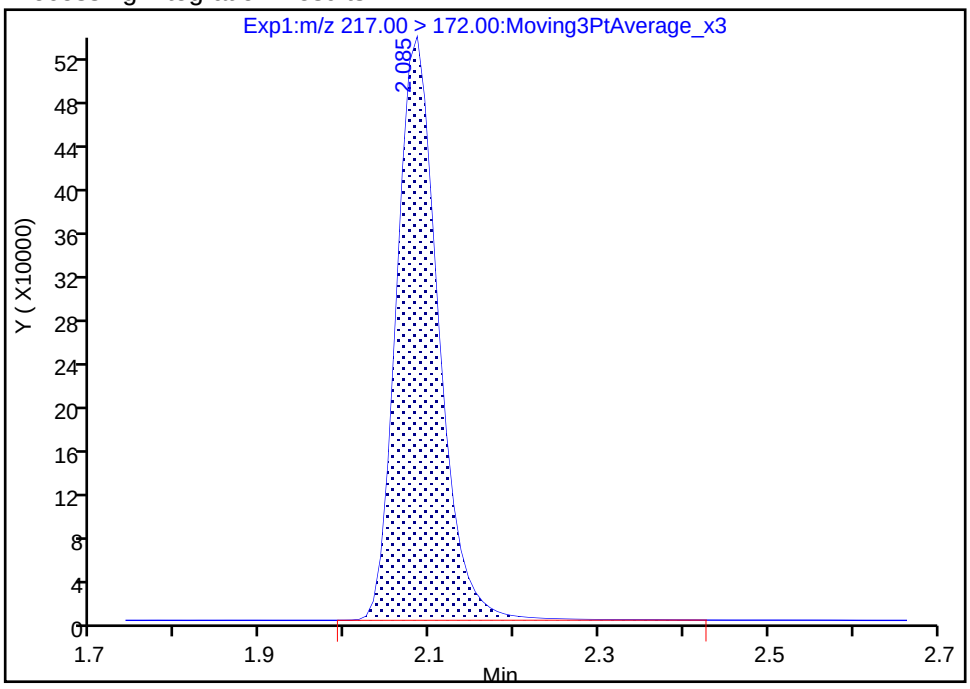
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

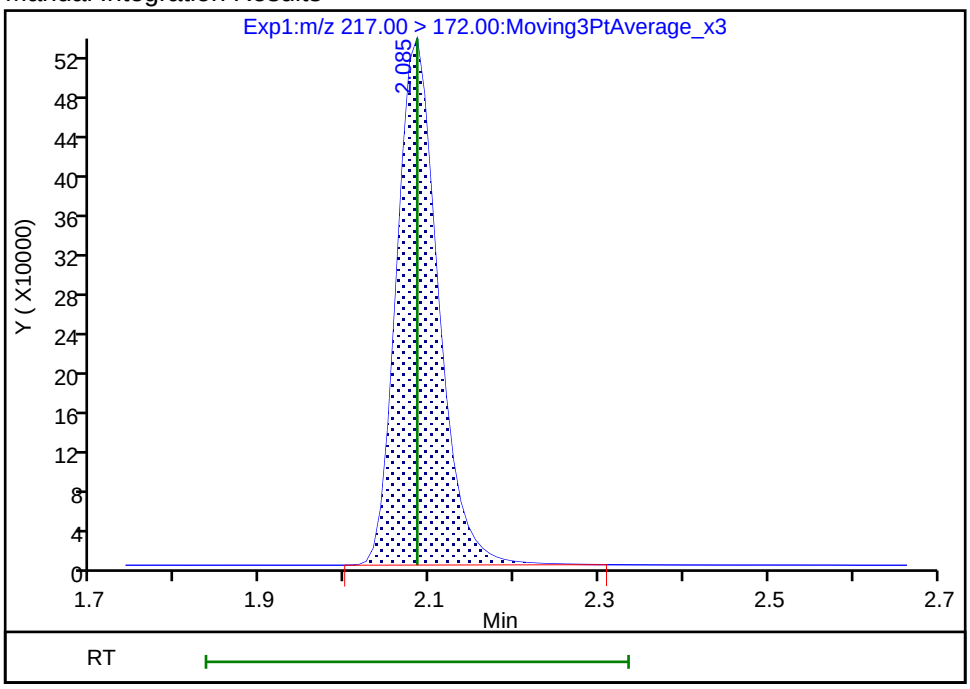
Processing Integration Results

RT: 2.08
Area: 1811009
Amount: 1.259570
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 1806199
Amount: 1.266407
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:01:51
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

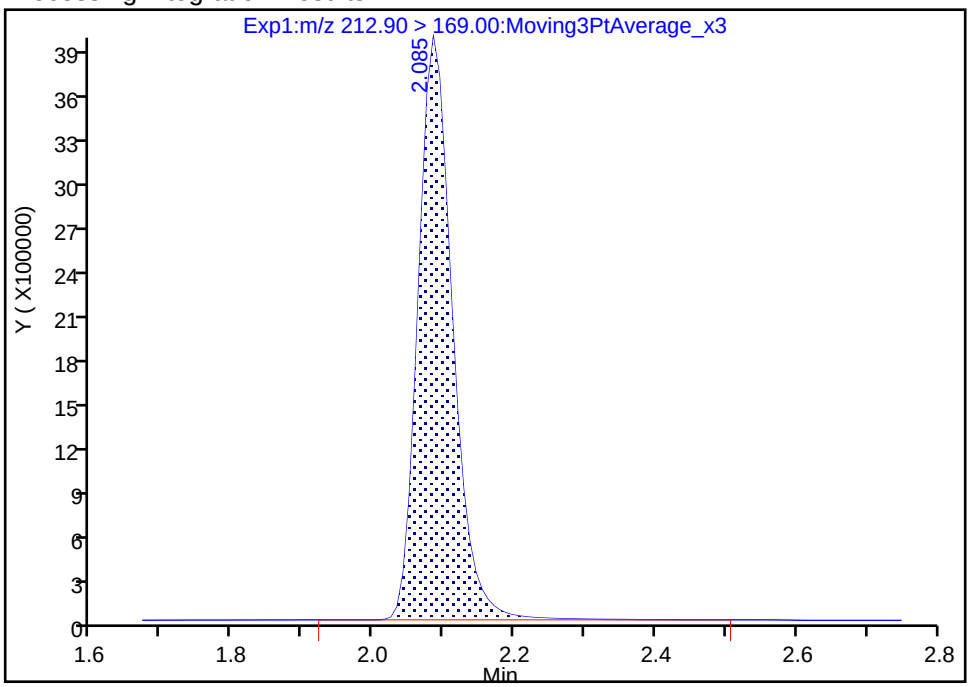
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

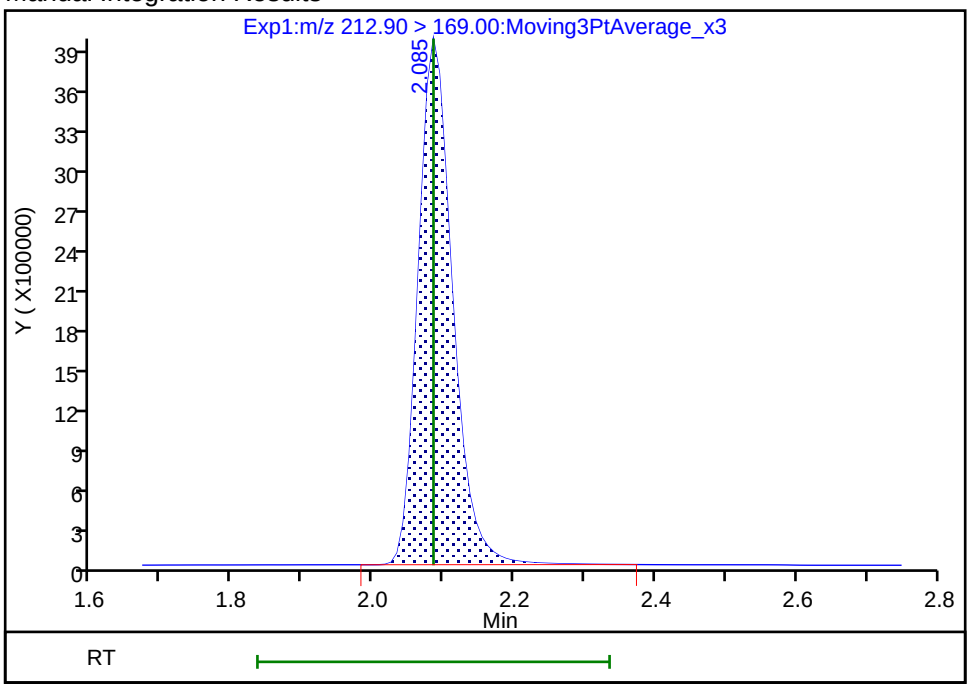
Processing Integration Results

RT: 2.08
Area: 13207925
Amount: 9.423643
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 13183310
Amount: 9.408834
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:01:57
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

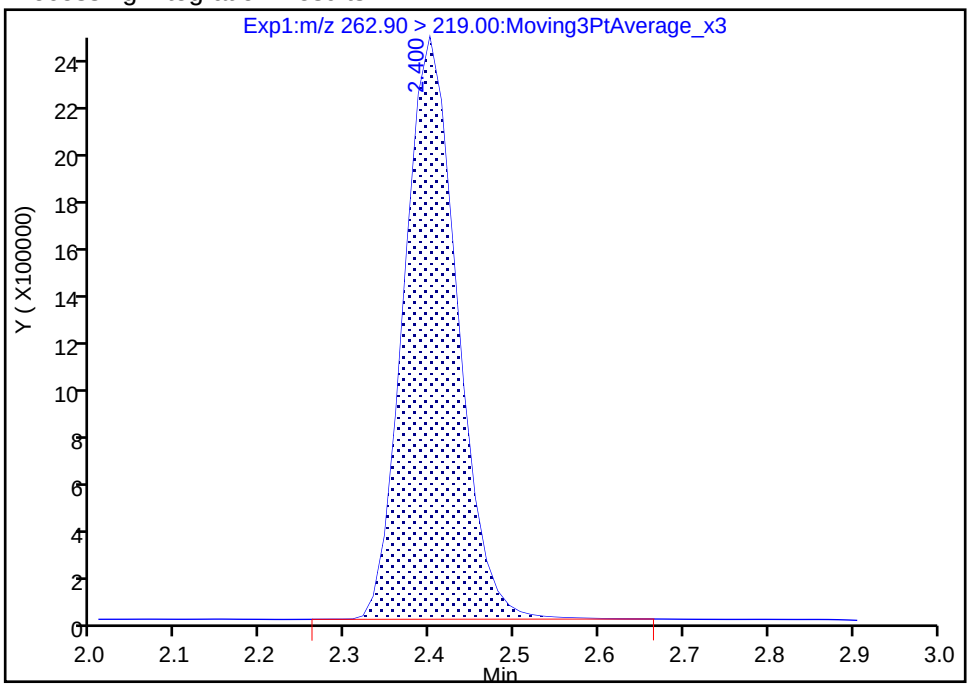
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

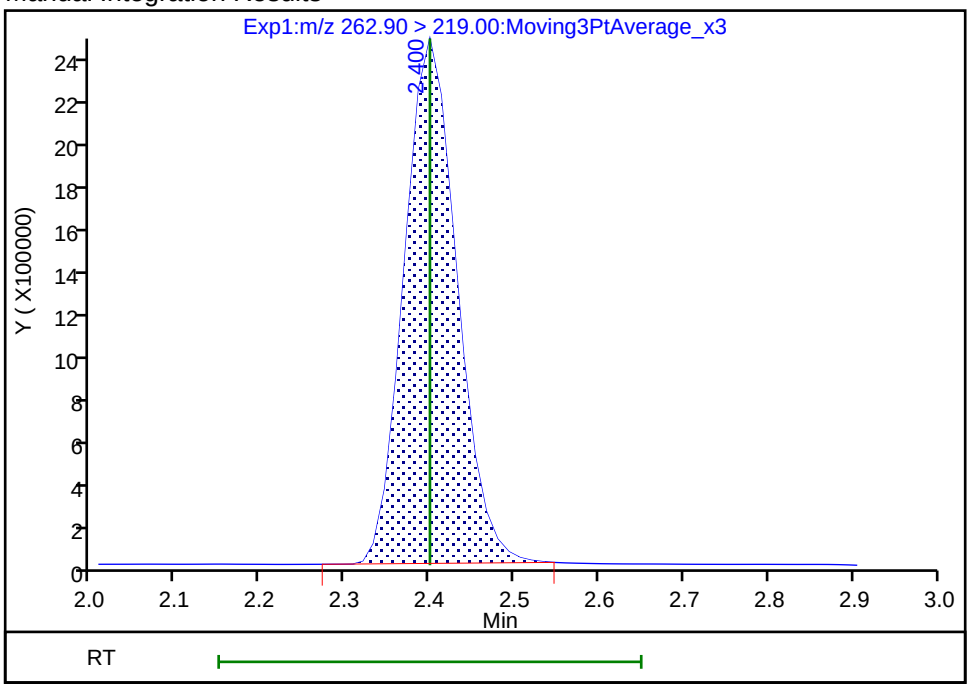
Processing Integration Results

RT: 2.40
Area: 10854749
Amount: 9.688095
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 10770827
Amount: 9.625209
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:02:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

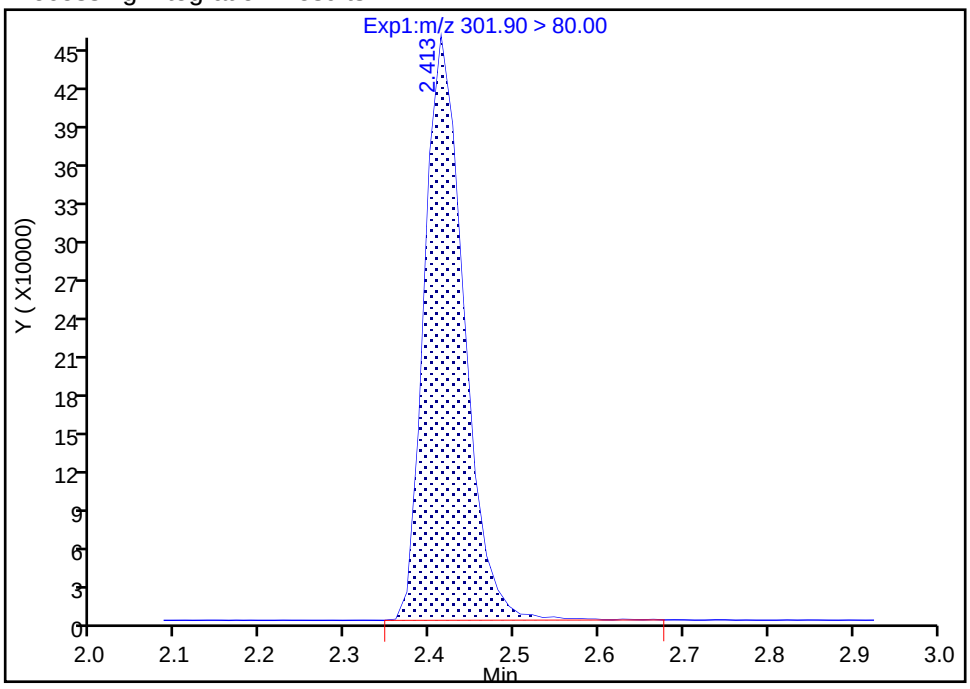
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

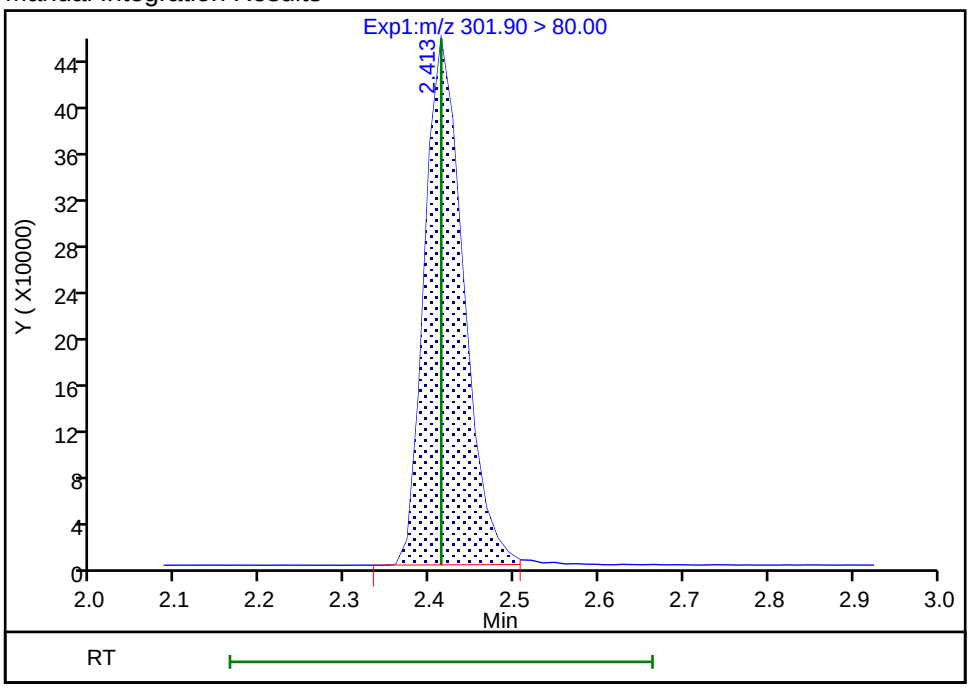
Processing Integration Results

RT: 2.41
Area: 1465857
Amount: 1.144136
Amount Units: ng/ml



Manual Integration Results

RT: 2.41
Area: 1451388
Amount: 1.143418
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:02:20
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

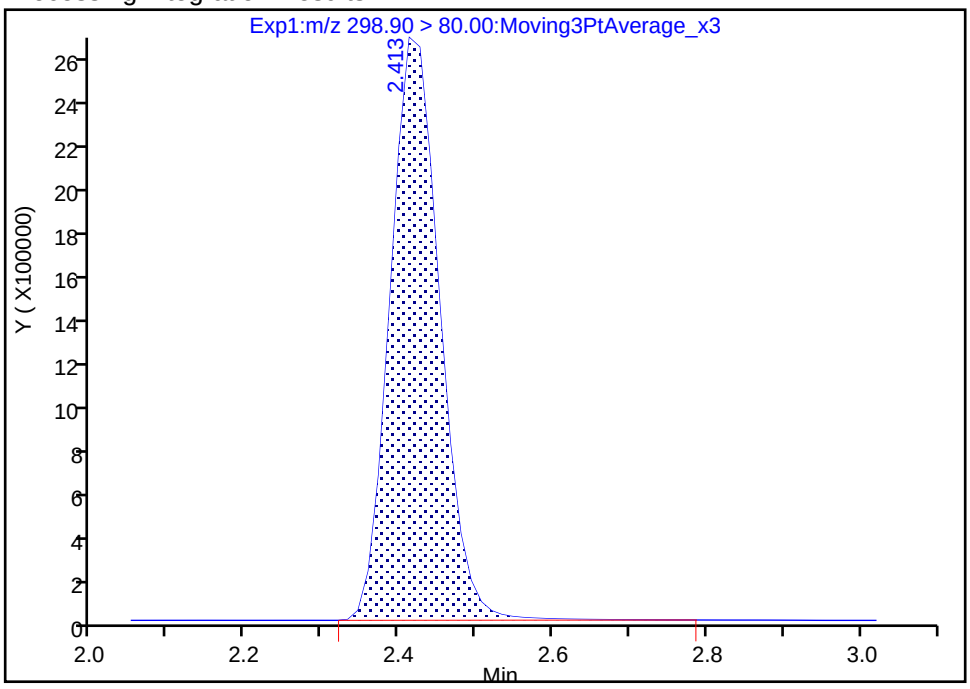
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

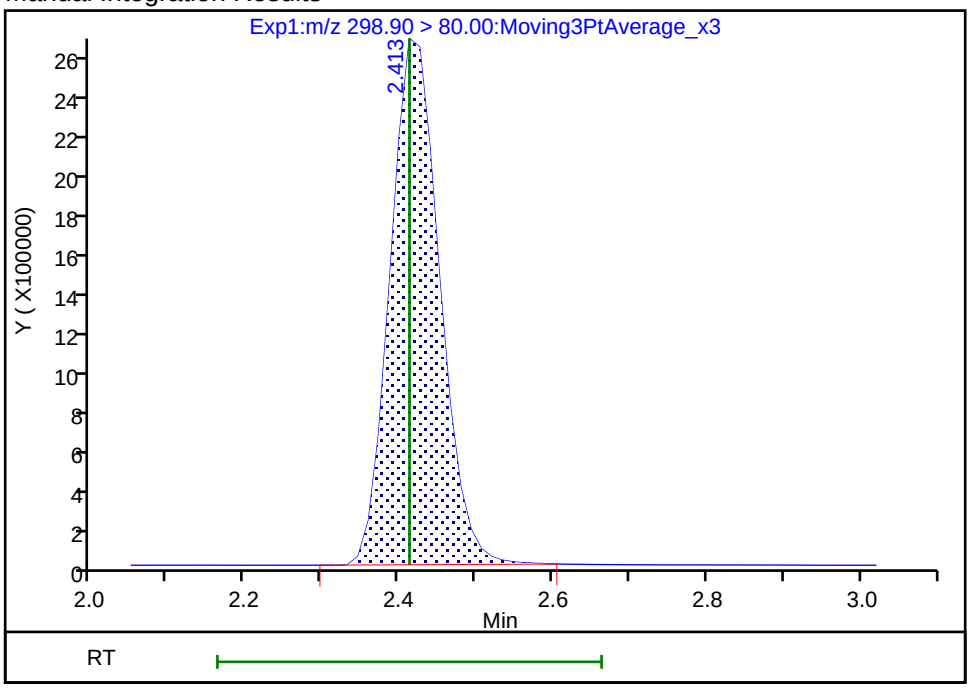
Processing Integration Results

RT: 2.41
Area: 11977456
Amount: 8.683132
Amount Units: ng/ml



Manual Integration Results

RT: 2.41
Area: 11911747
Amount: 8.643258
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:02:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

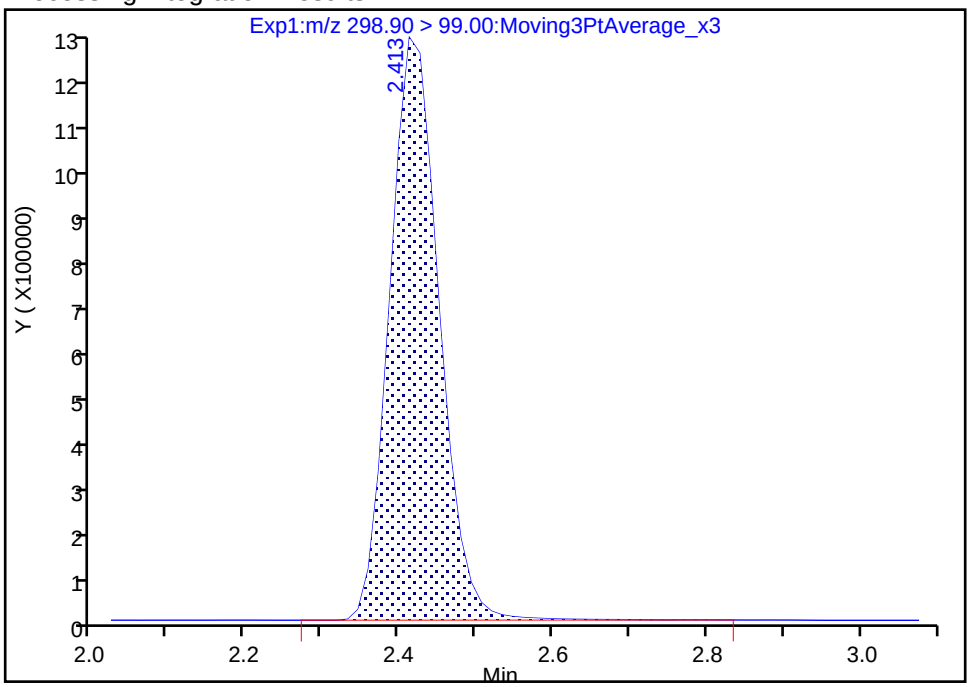
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

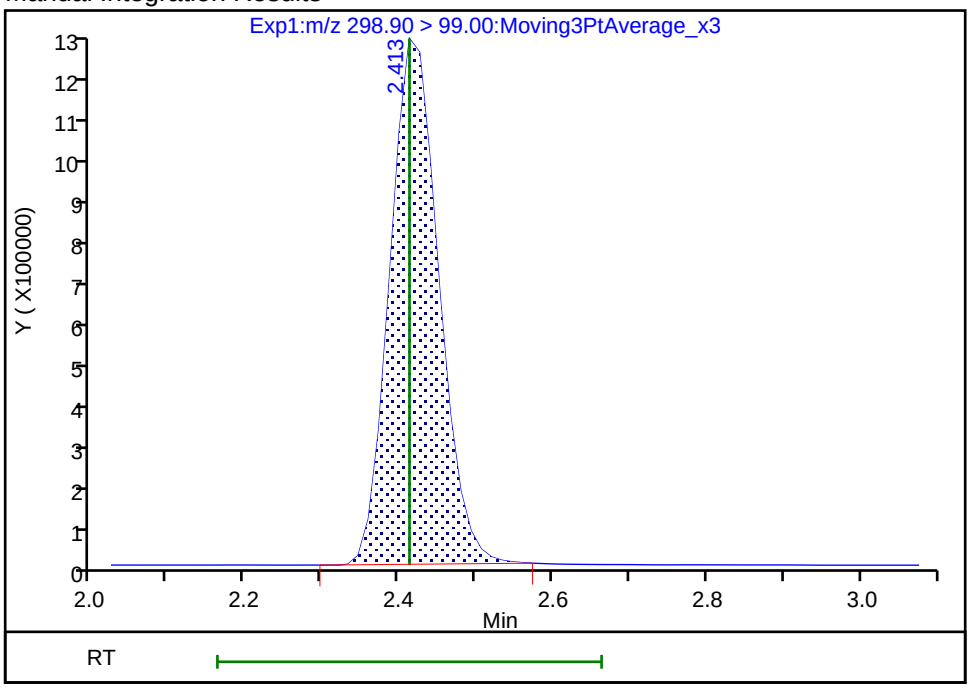
Processing Integration Results

RT: 2.41
Area: 5728246
Amount: 8.683132
Amount Units: ng/ml



Manual Integration Results

RT: 2.41
Area: 5675052
Amount: 8.643258
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:02:31
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

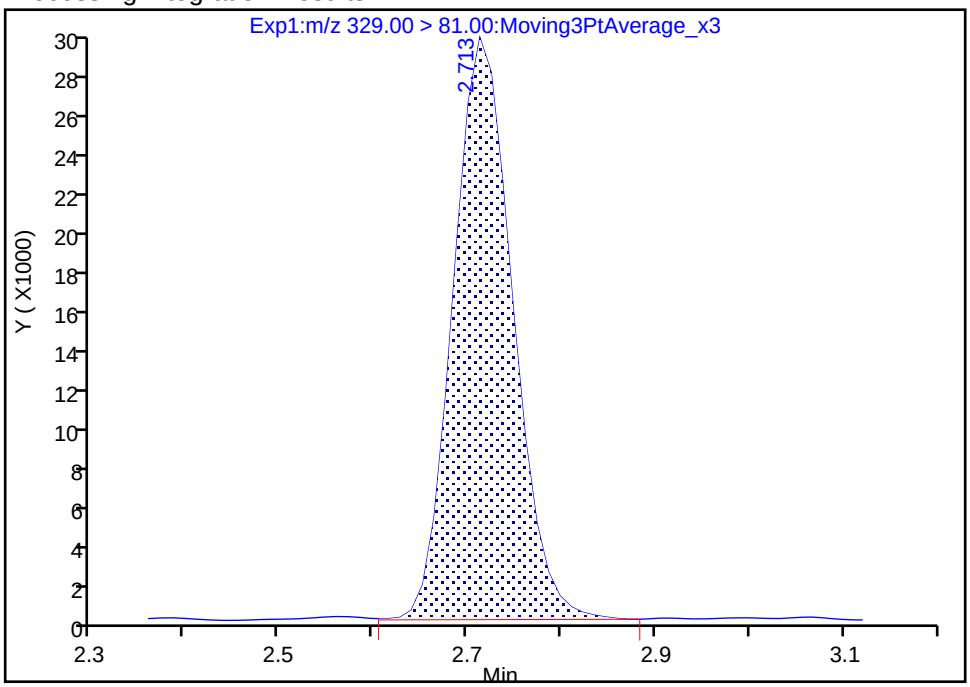
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

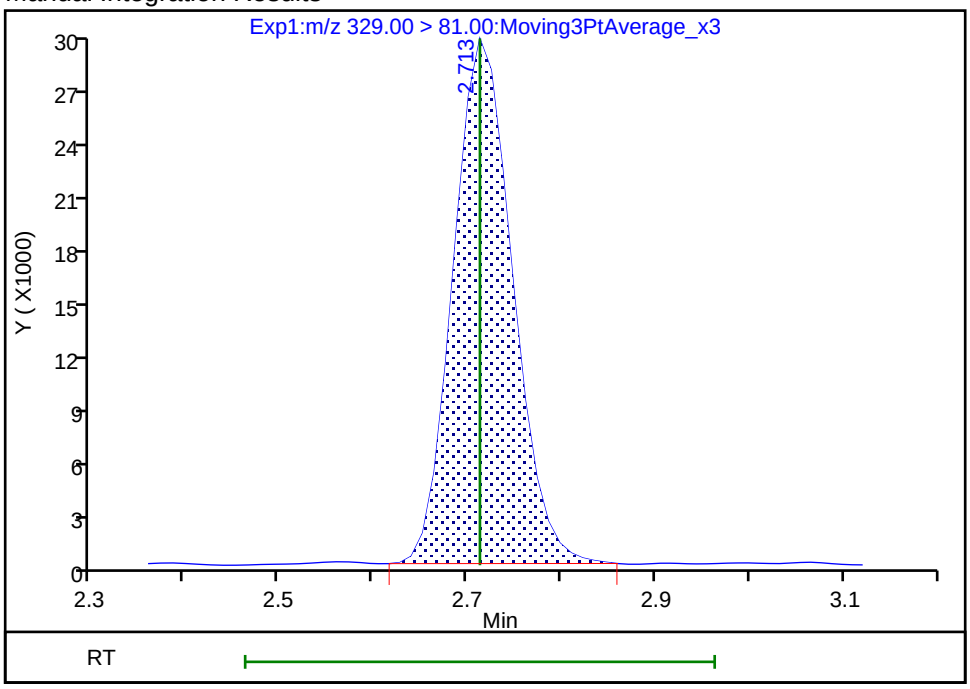
Processing Integration Results

RT: 2.71
Area: 129518
Amount: 1.174911
Amount Units: ng/ml



Manual Integration Results

RT: 2.71
Area: 128662
Amount: 1.177395
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:02:38
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

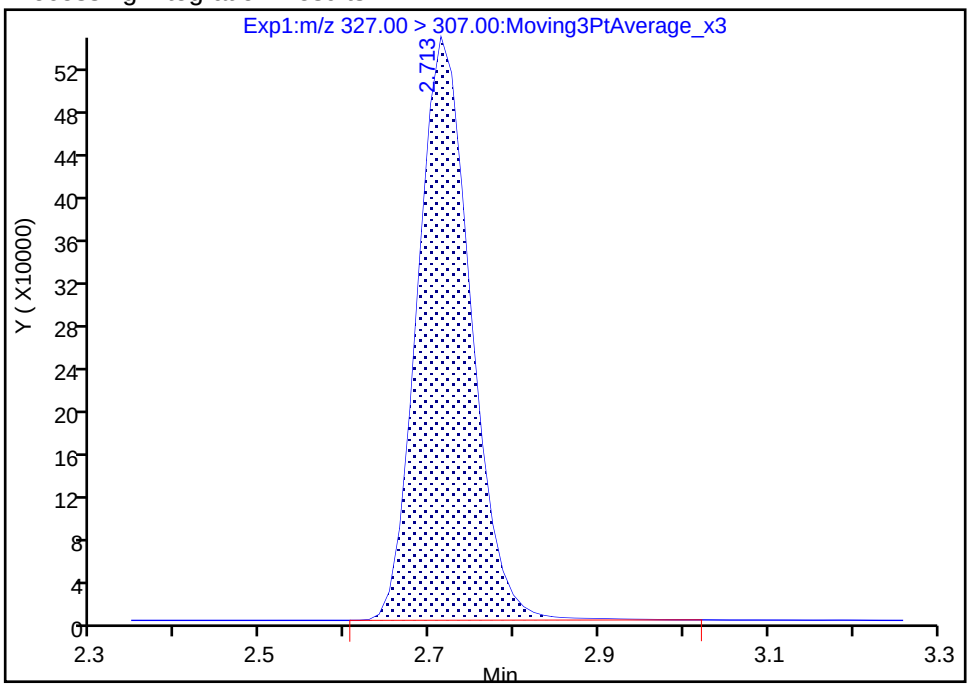
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d				
Injection Date:	03-Aug-2022 13:41:11	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

61 1H,1H,2H,2H-perfluorohexanesulfo, CAS: 757124-72-4

Signal: 1

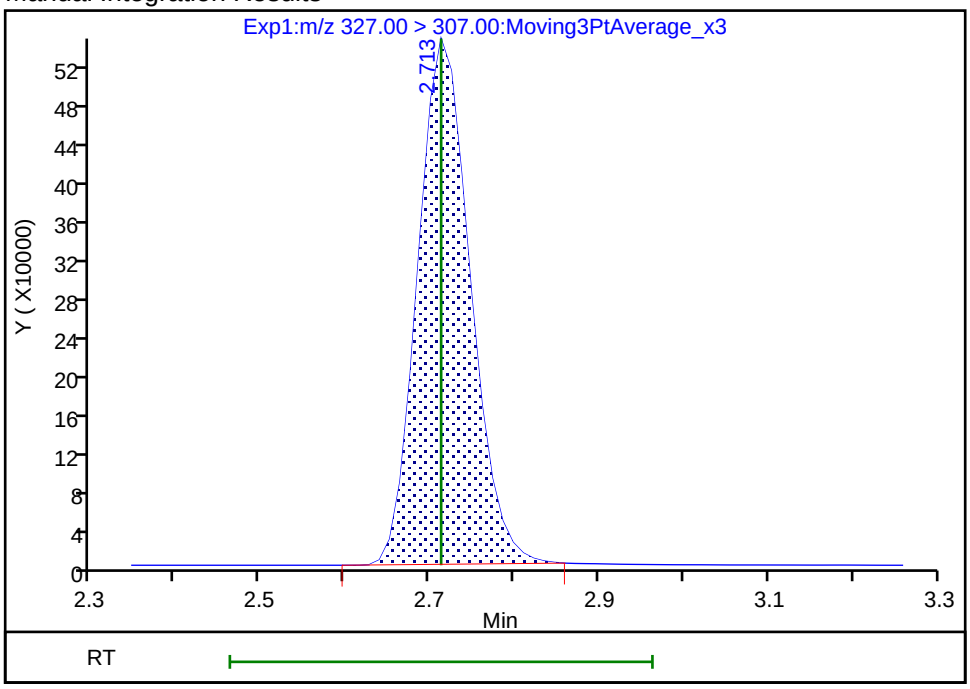
Processing Integration Results

RT: 2.71
Area: 2385526
Amount: 9.093837
Amount Units: ng/ml



Manual Integration Results

RT: 2.71
Area: 2363764
Amount: 9.024238
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:02:42

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

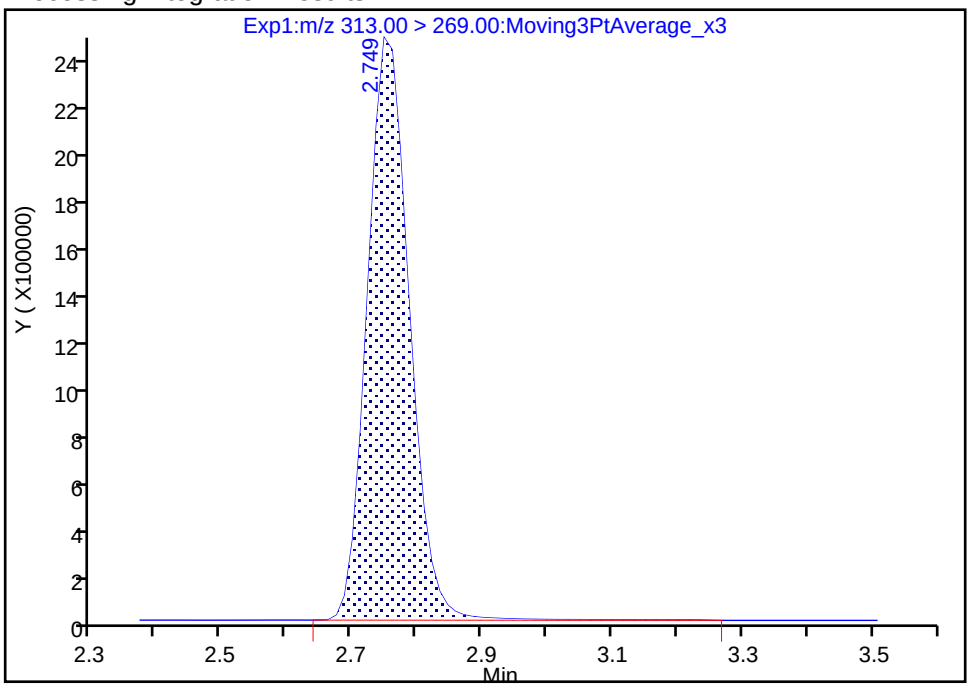
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d				
Injection Date:	03-Aug-2022 13:41:11	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

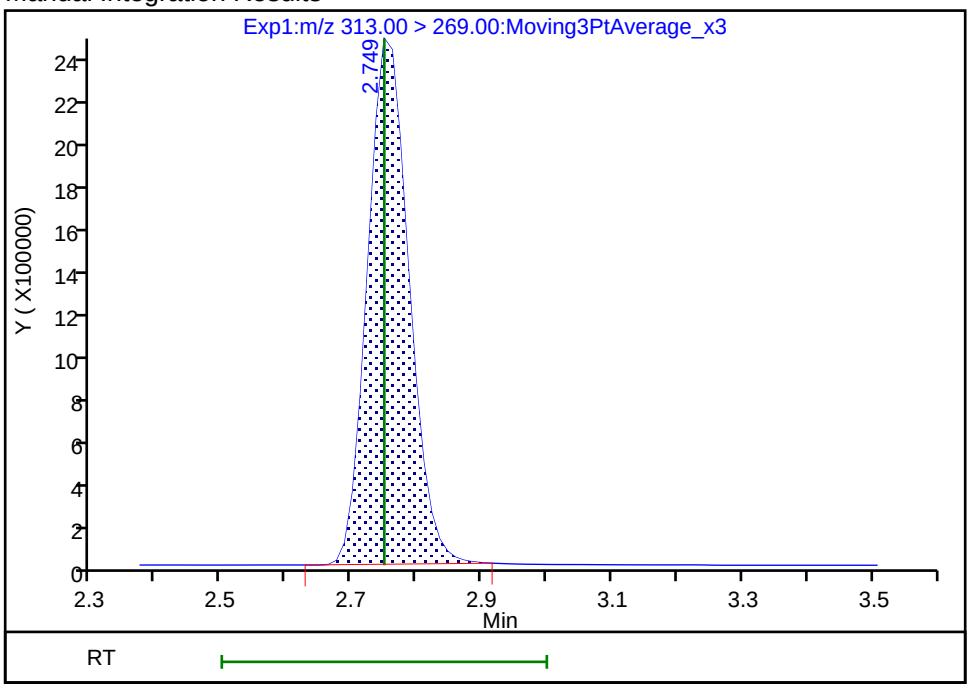
Processing Integration Results

RT: 2.75
Area: 11116573
Amount: 9.762323
Amount Units: ng/ml



Manual Integration Results

RT: 2.75
Area: 10982567
Amount: 9.663596
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:02:47

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

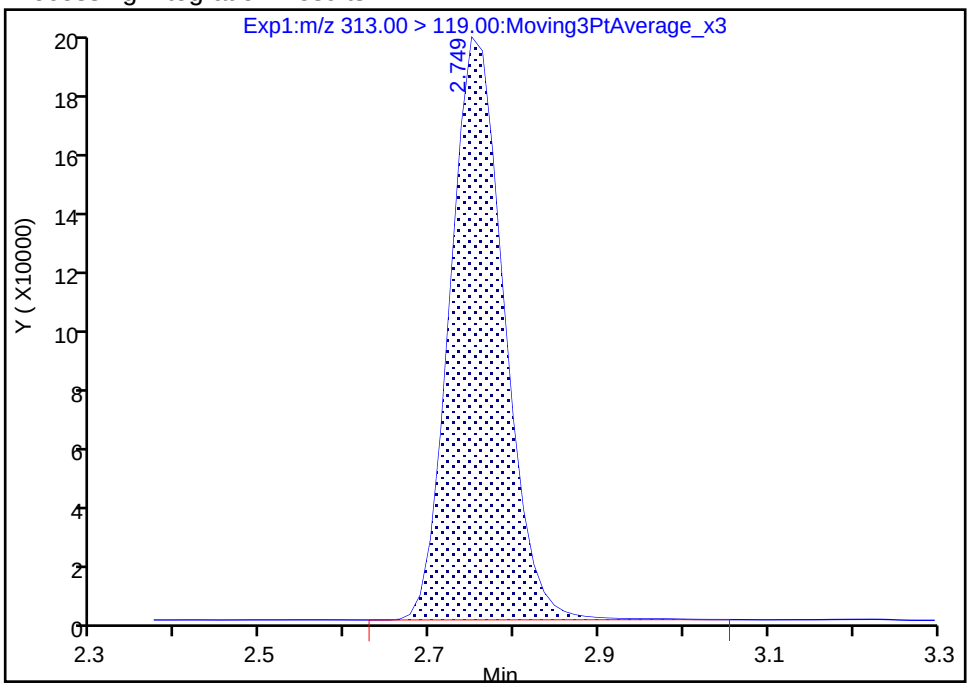
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d				
Injection Date:	03-Aug-2022 13:41:11	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

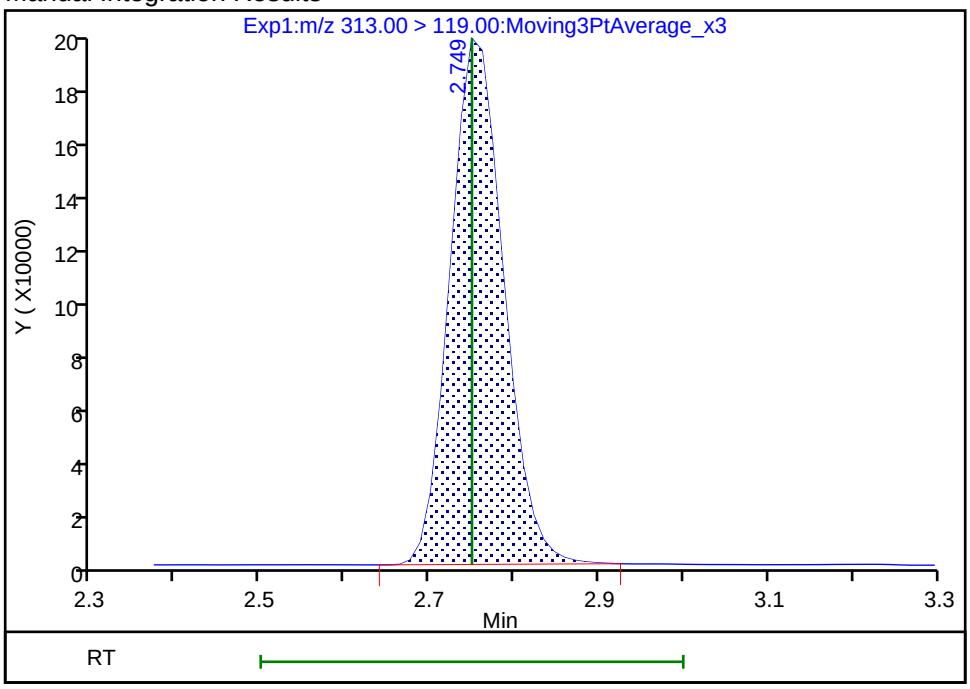
Processing Integration Results

RT: 2.75
Area: 869014
Amount: 9.762323
Amount Units: ng/ml



Manual Integration Results

RT: 2.75
Area: 864666
Amount: 9.663596
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:02:51
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

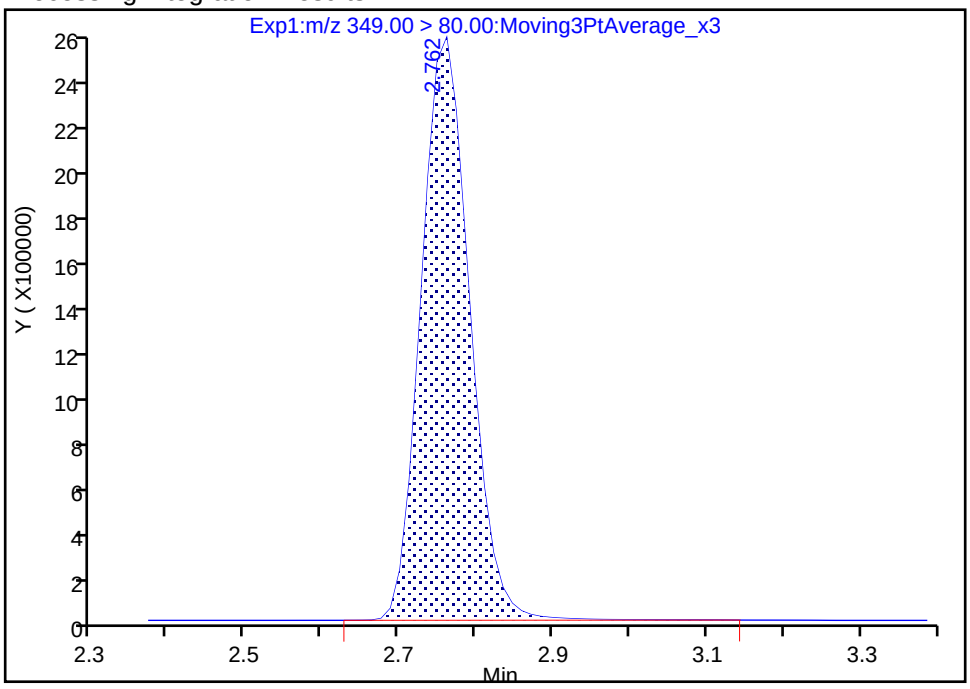
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d				
Injection Date:	03-Aug-2022 13:41:11	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

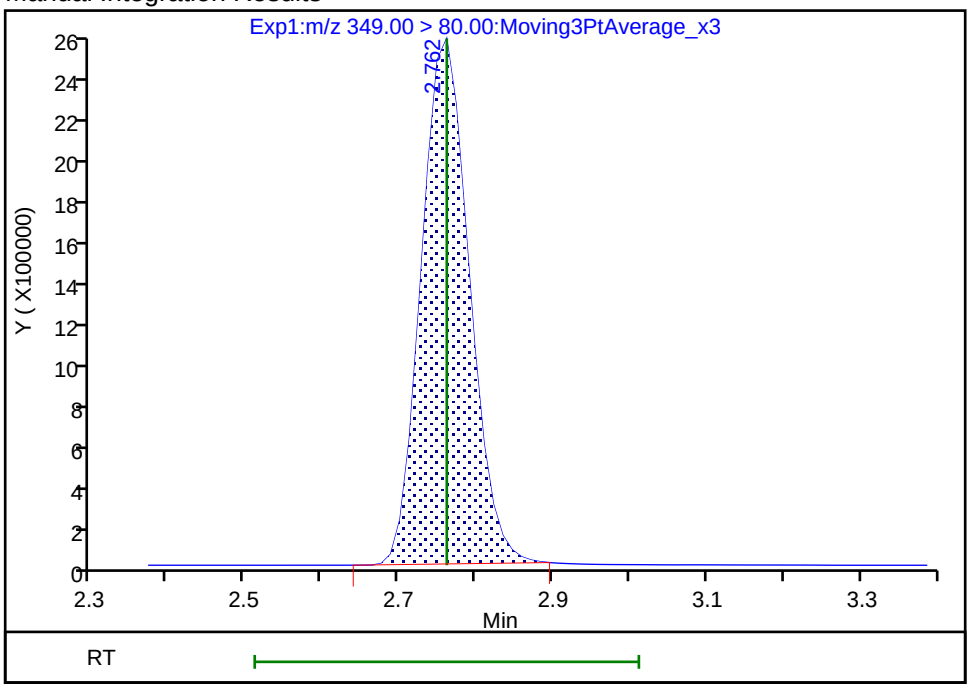
Processing Integration Results

RT: 2.76
Area: 11147059
Amount: 9.213453
Amount Units: ng/ml



Manual Integration Results

RT: 2.76
Area: 11015177
Amount: 9.122115
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:02:57

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

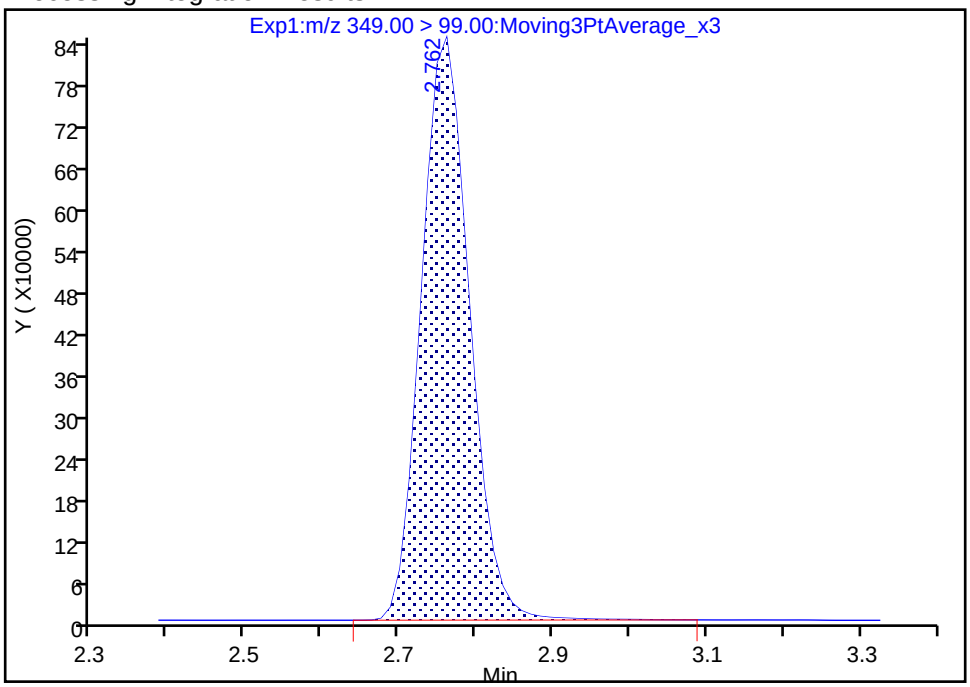
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Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 2

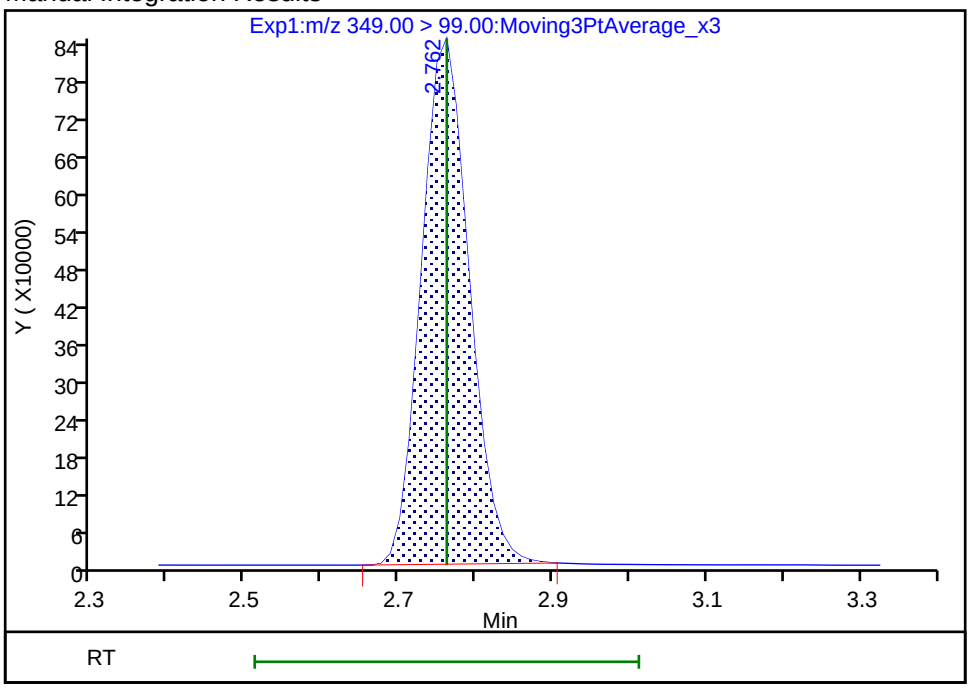
Processing Integration Results

RT: 2.76
Area: 3654378
Amount: 9.213453
Amount Units: ng/ml



Manual Integration Results

RT: 2.76
Area: 3620783
Amount: 9.122115
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:03:01
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

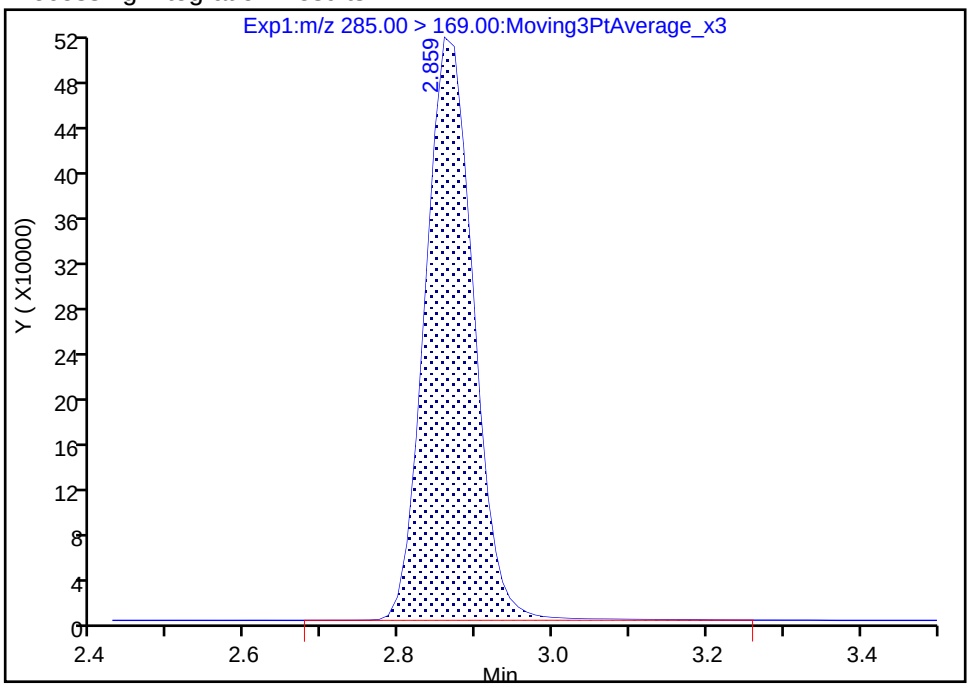
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

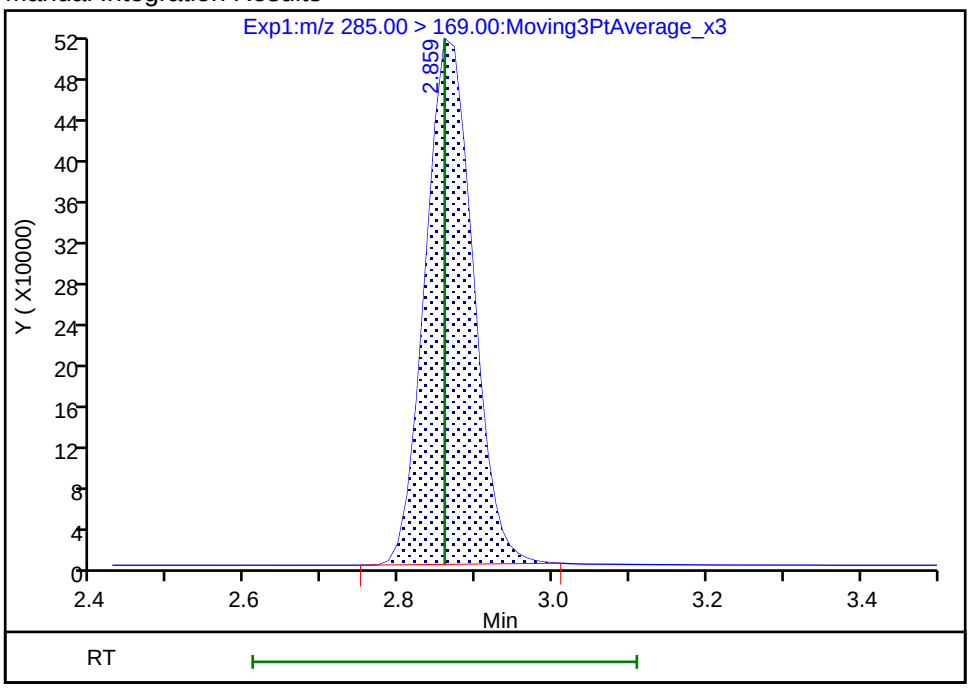
Processing Integration Results

RT: 2.86
Area: 2216336
Amount: 9.476425
Amount Units: ng/ml



Manual Integration Results

RT: 2.86
Area: 2193377
Amount: 9.393627
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:03:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

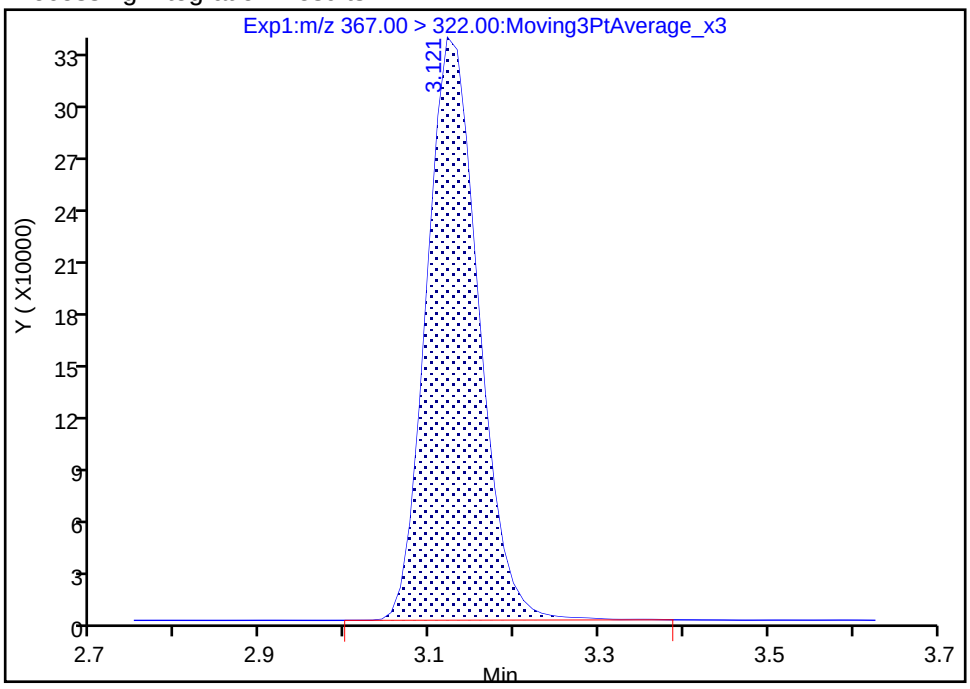
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 9 13C4 PFHpA, CAS: STL01892

Signal: 1

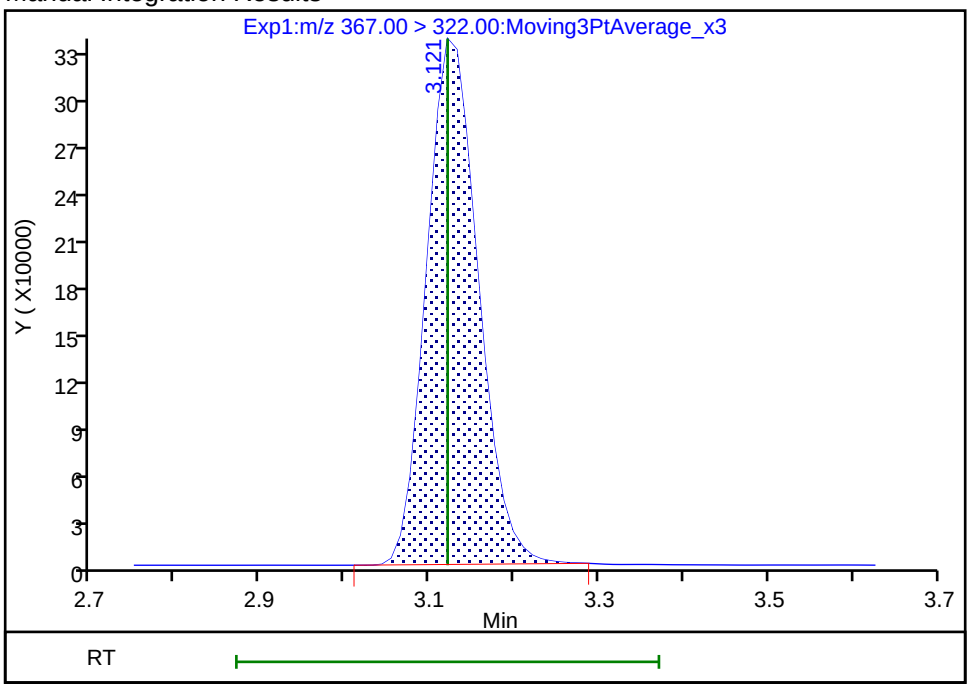
Processing Integration Results

RT: 3.12
Area: 1410679
Amount: 1.230861
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 1400879
Amount: 1.233124
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:03:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

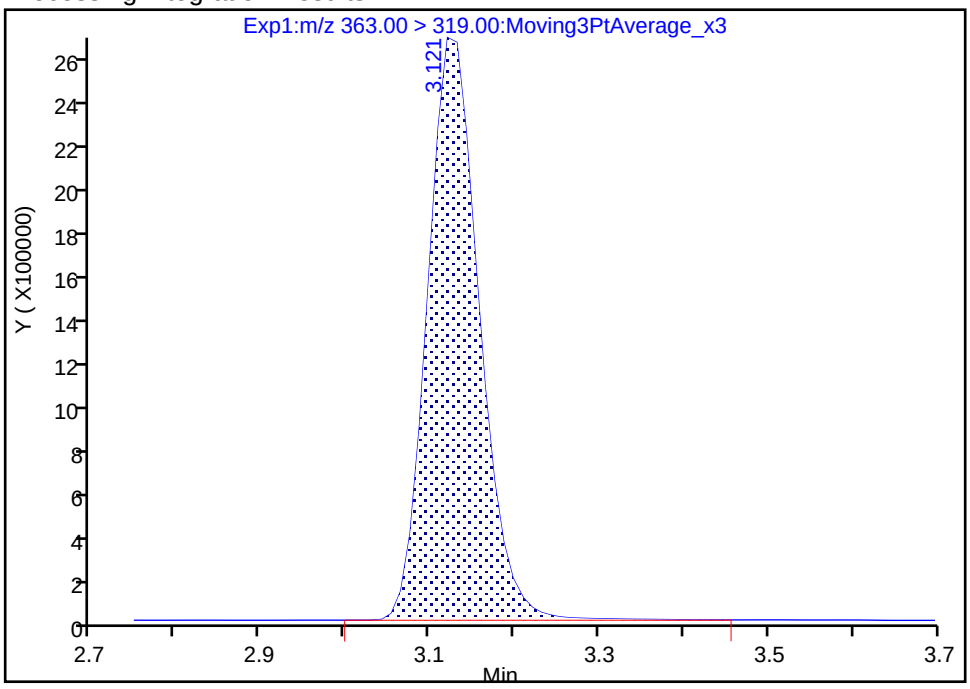
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

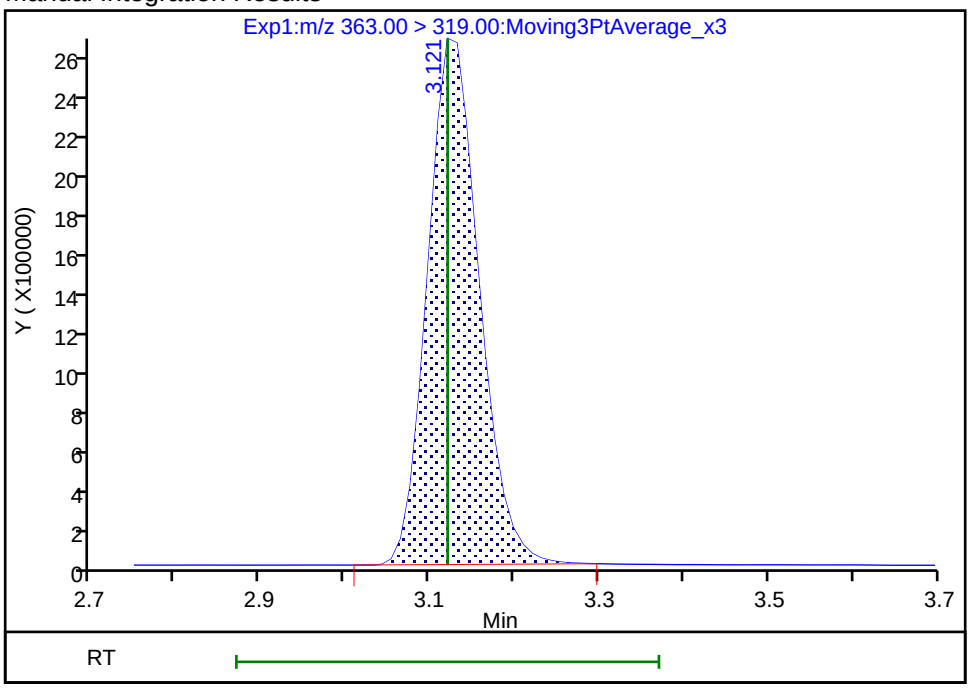
Processing Integration Results

RT: 3.12
Area: 11295171
Amount: 9.765590
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 11197138
Amount: 9.694528
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:03:17
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

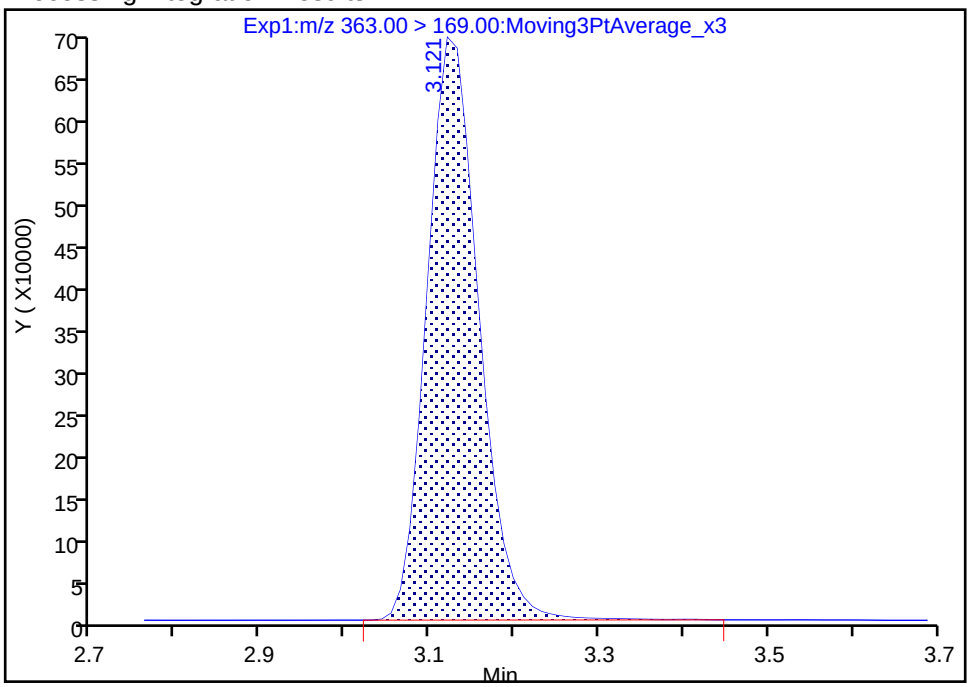
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d				
Injection Date:	03-Aug-2022 13:41:11	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

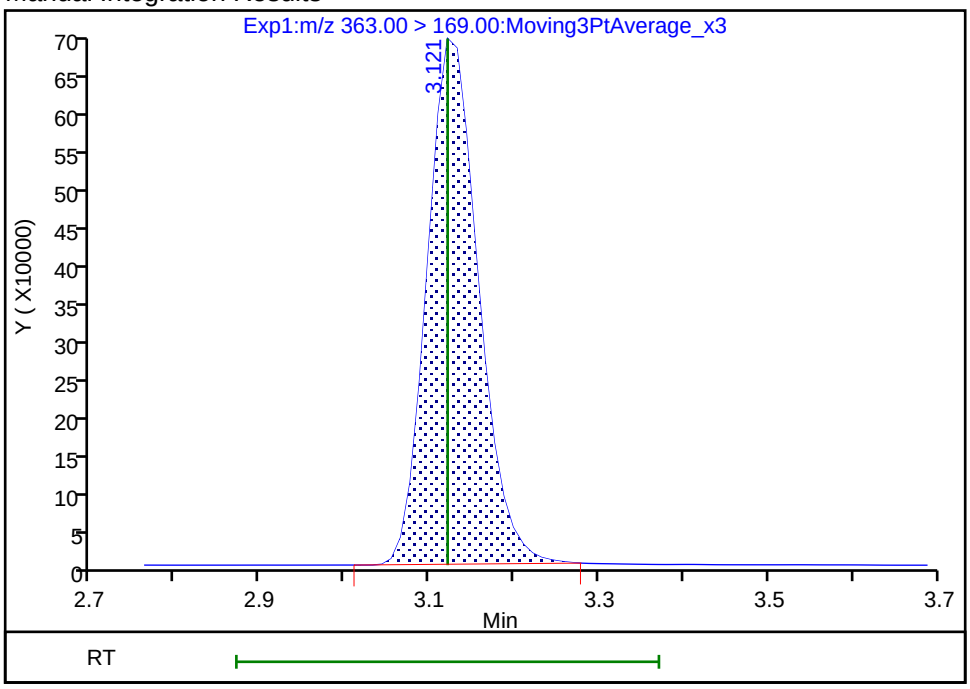
Processing Integration Results

RT: 3.12
Area: 2957121
Amount: 9.765590
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 2929777
Amount: 9.694528
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:03:20
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

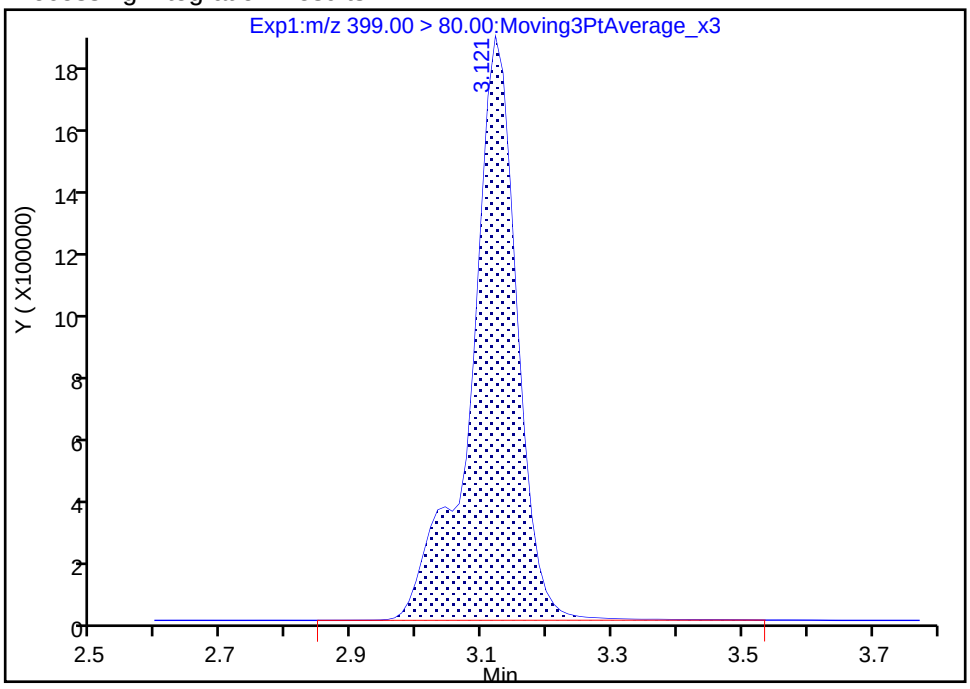
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

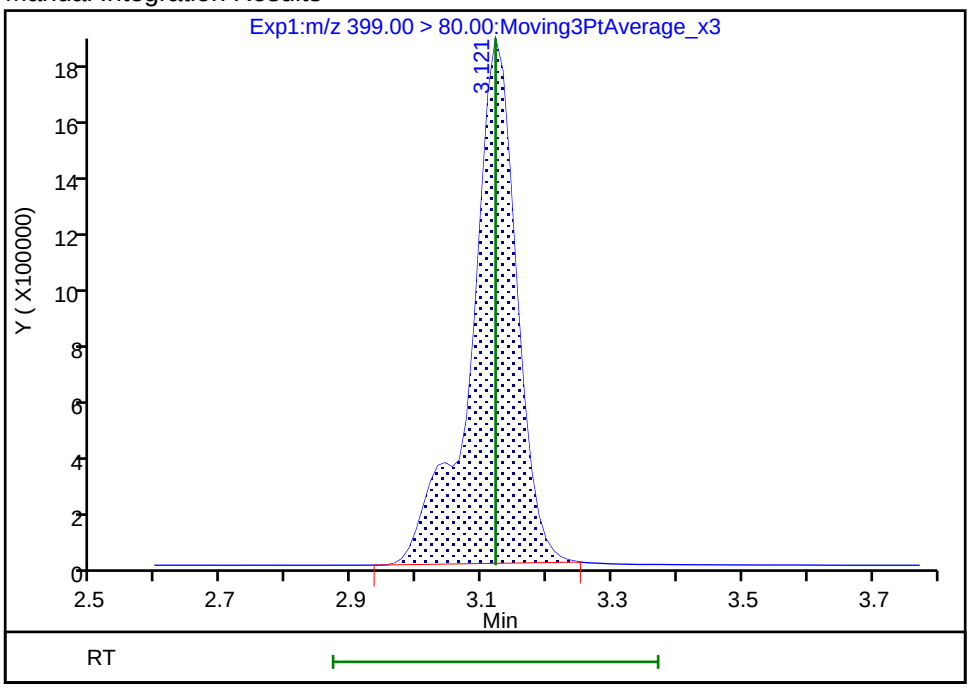
Processing Integration Results

RT: 3.12
Area: 9063143
Amount: 8.800807
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 8919353
Amount: 8.683385
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:03:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

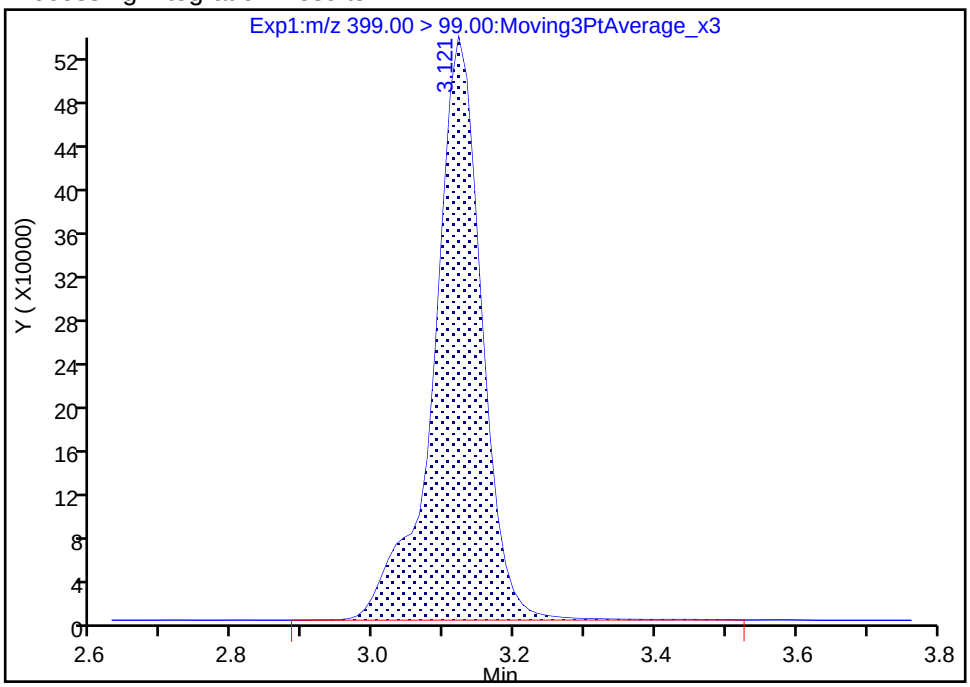
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d				
Injection Date:	03-Aug-2022 13:41:11	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

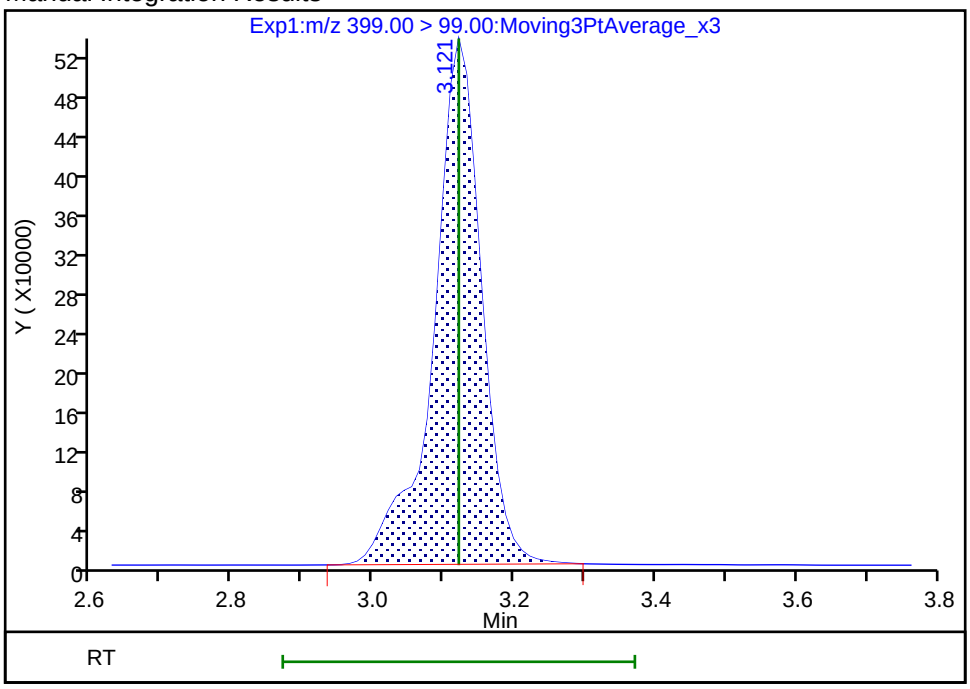
Processing Integration Results

RT: 3.12
Area: 2529296
Amount: 8.800807
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 2507240
Amount: 8.683385
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:03:31
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

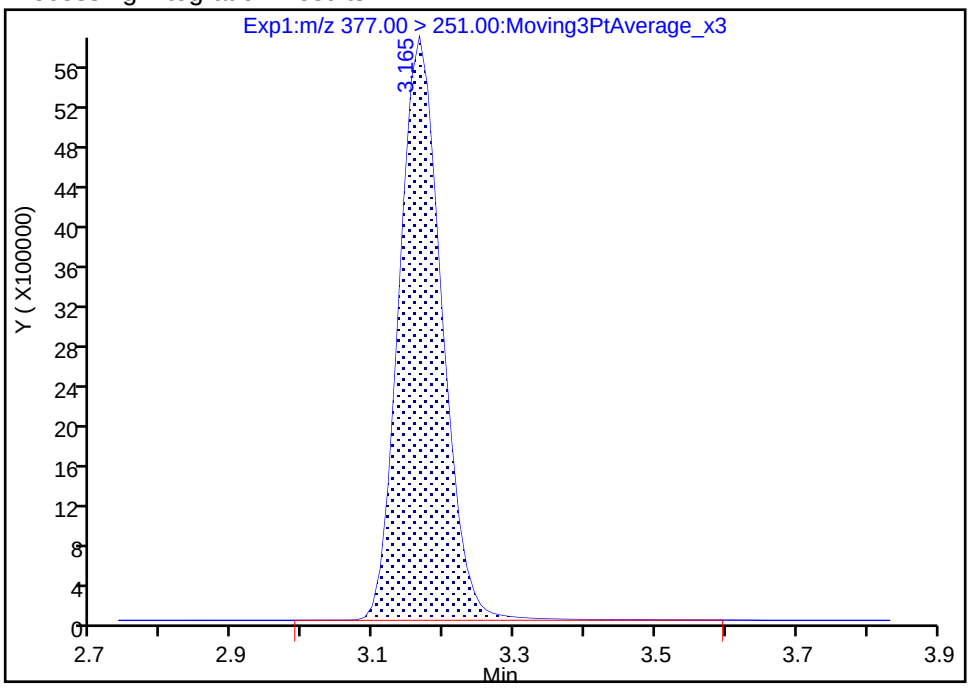
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

77 DONA, CAS: 919005-14-4

Signal: 1

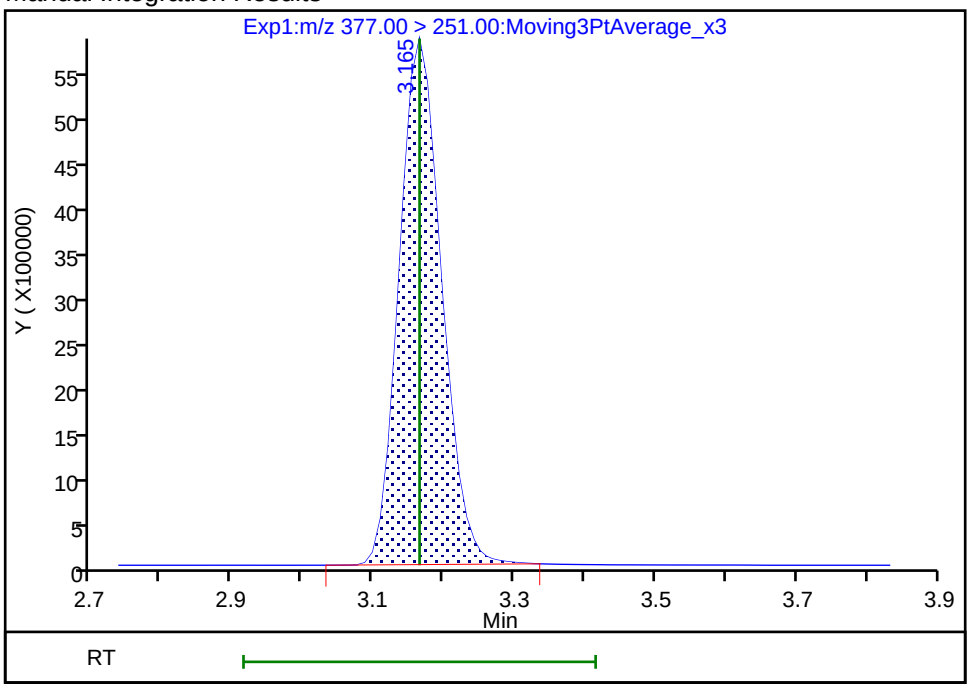
Processing Integration Results

RT: 3.16
Area: 24633067
Amount: 8.662292
Amount Units: ng/ml



Manual Integration Results

RT: 3.16
Area: 24439985
Amount: 8.636428
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:03:41
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

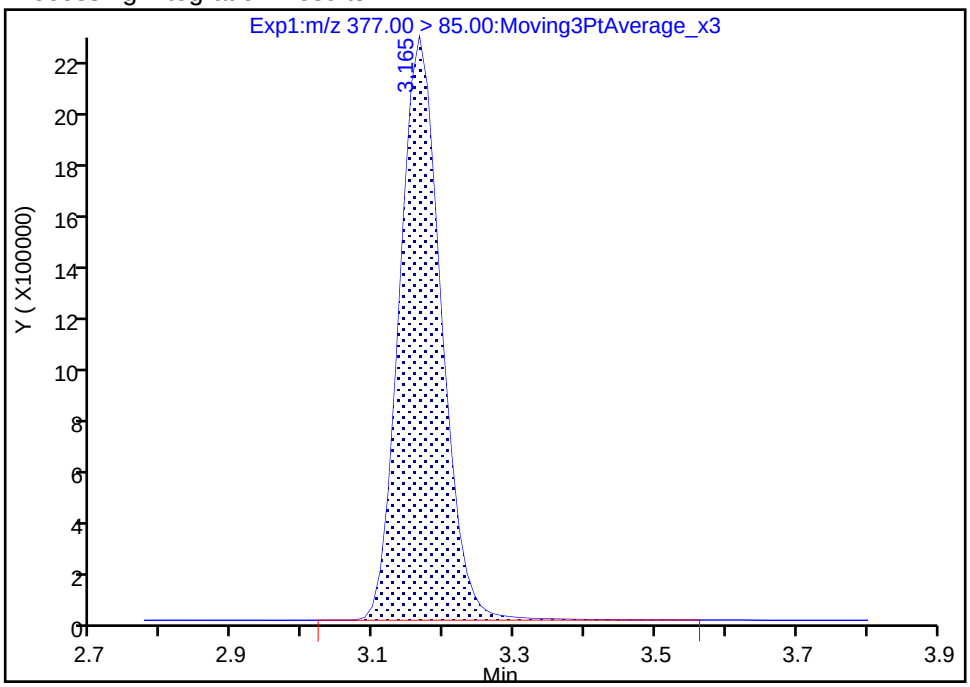
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

77 DONA, CAS: 919005-14-4

Signal: 2

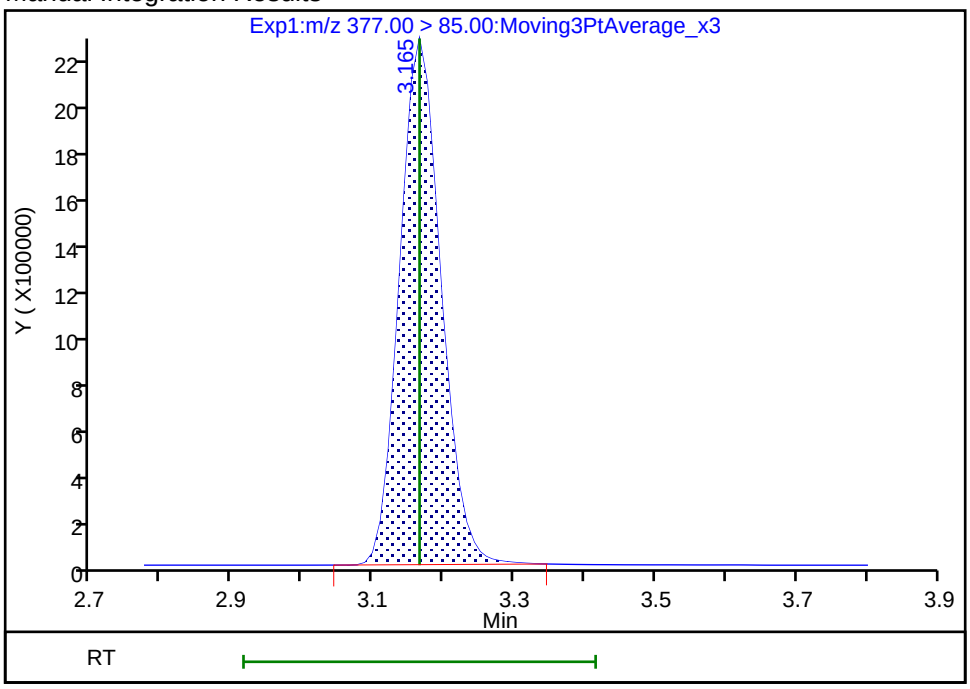
Processing Integration Results

RT: 3.16
Area: 9349256
Amount: 8.662292
Amount Units: ng/ml



Manual Integration Results

RT: 3.16
Area: 9289763
Amount: 8.636428
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:03:44
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

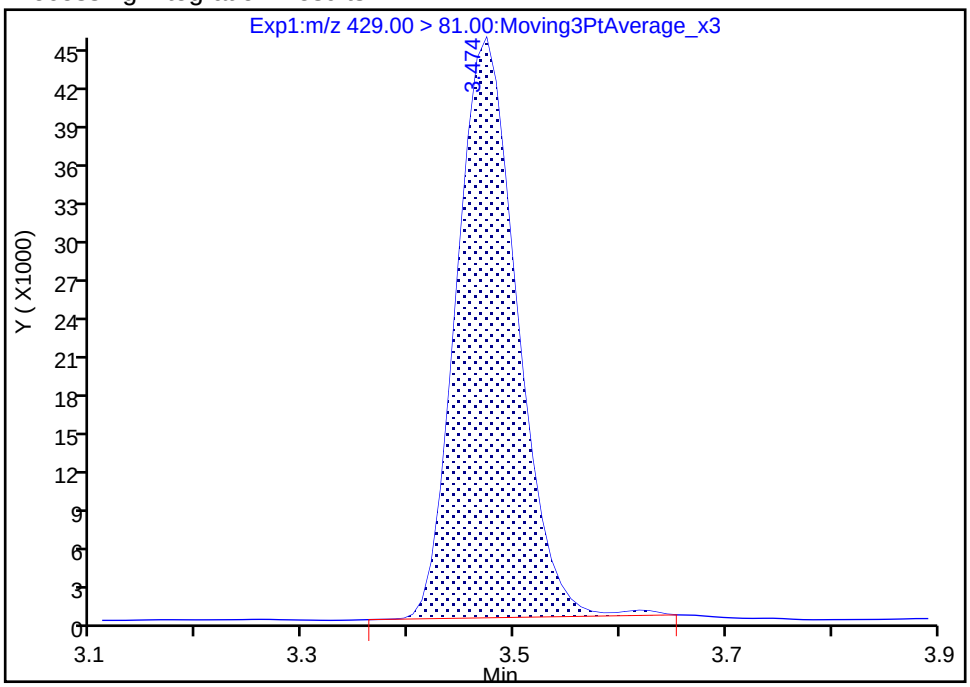
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d				
Injection Date:	03-Aug-2022 13:41:11	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

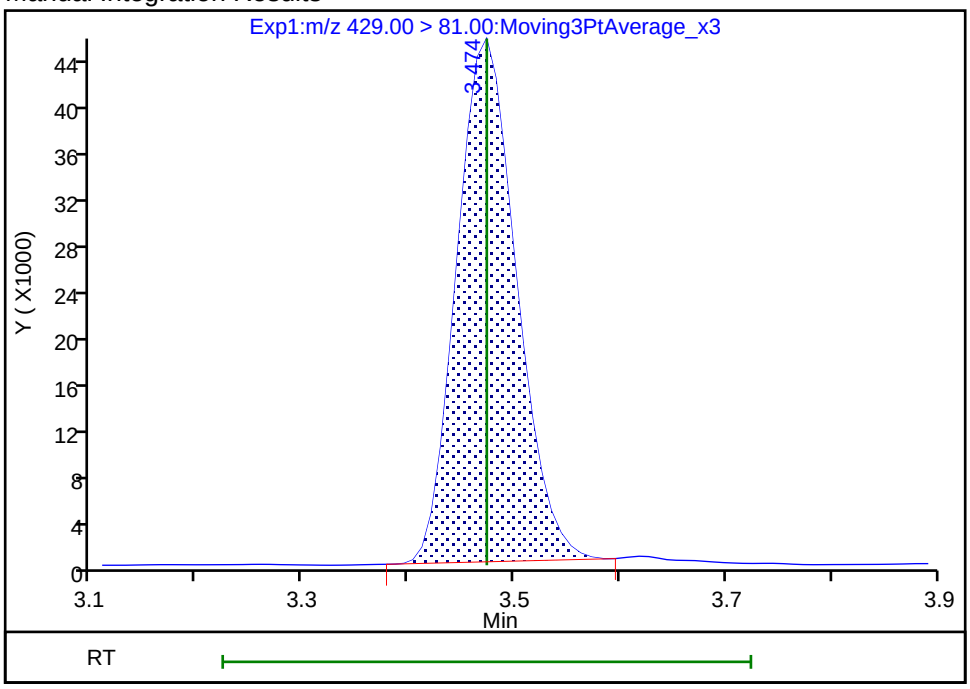
Processing Integration Results

RT: 3.47
Area: 179475
Amount: 1.189435
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 177168
Amount: 1.185705
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:03:51

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

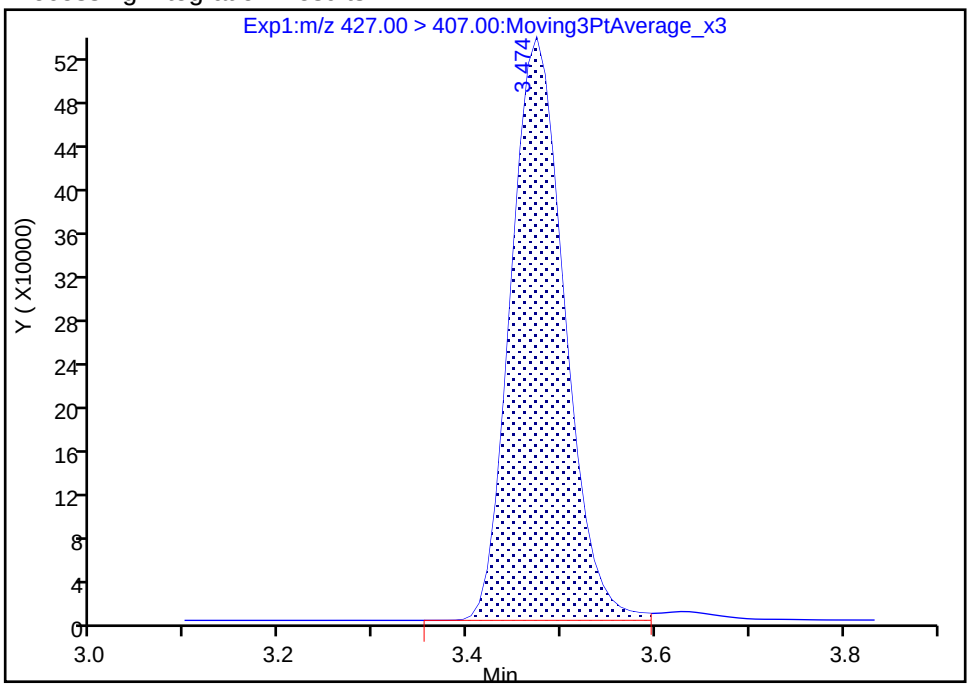
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

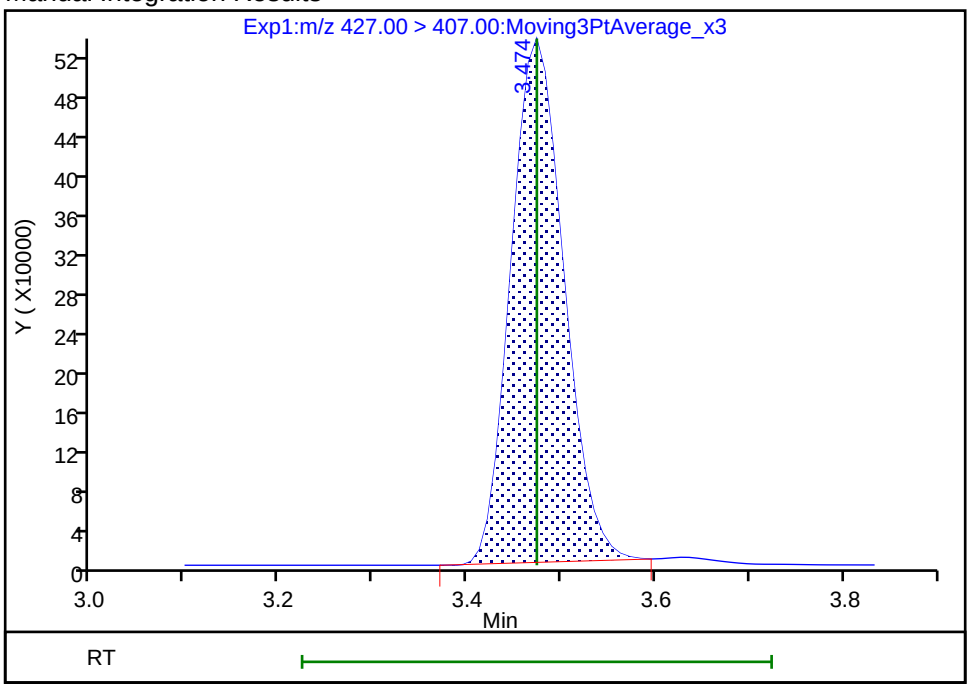
Processing Integration Results

RT: 3.47
Area: 2111693
Amount: 9.551966
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 2069626
Amount: 9.502882
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:03:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

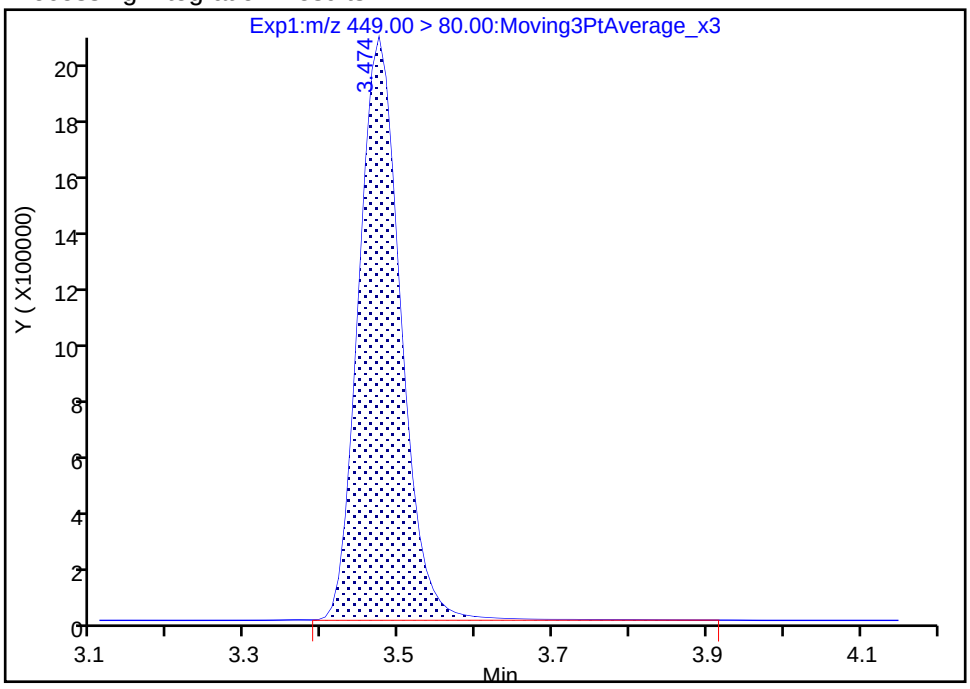
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

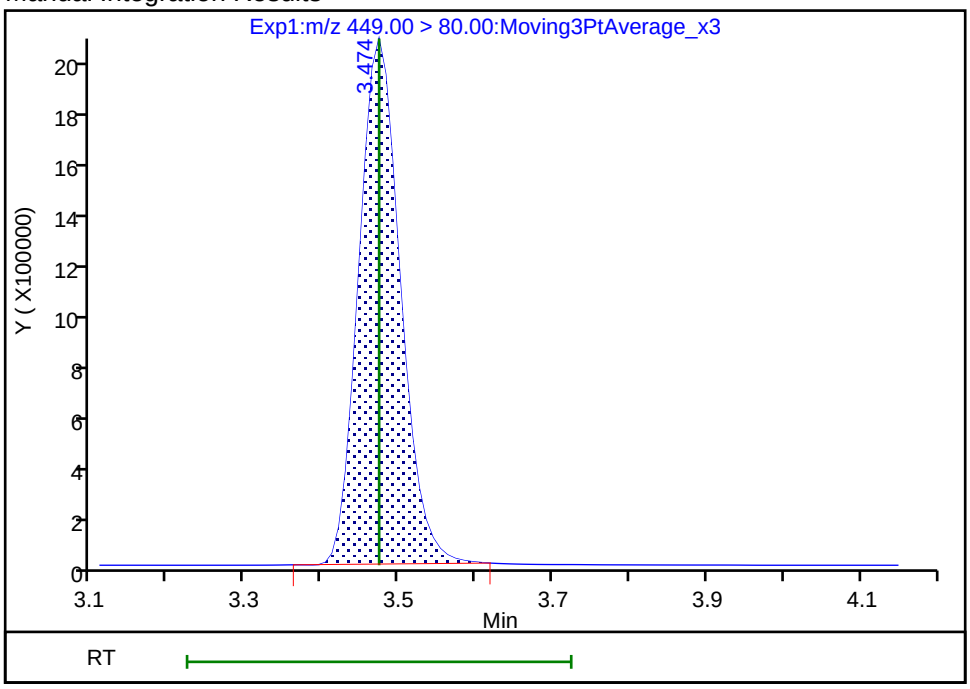
Processing Integration Results

RT: 3.47
Area: 7906161
Amount: 9.256272
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 7802287
Amount: 9.187550
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:04:01
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

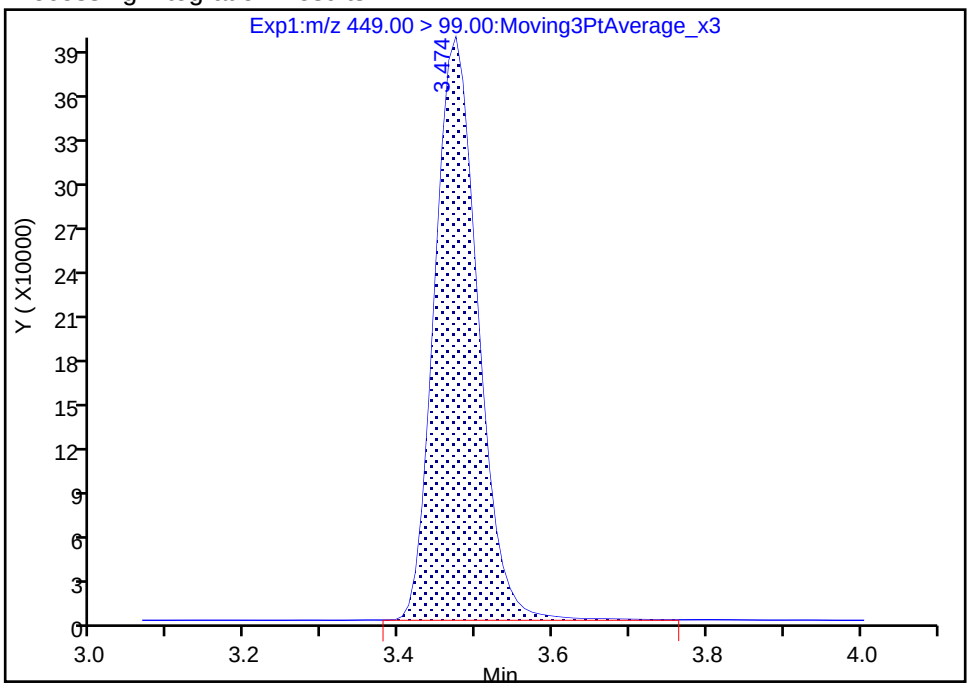
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d				
Injection Date:	03-Aug-2022 13:41:11	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

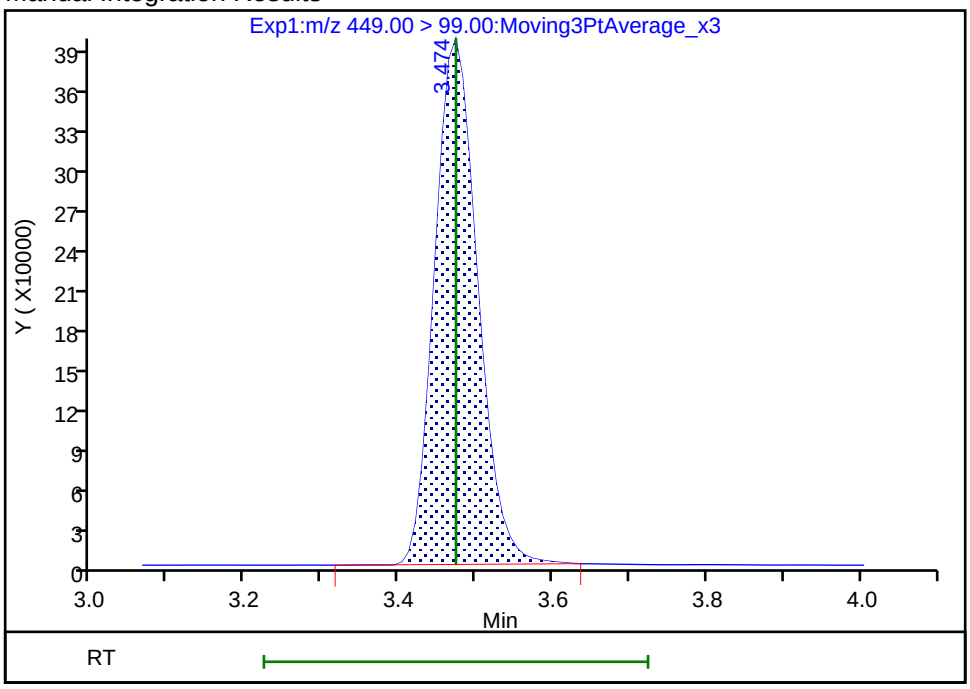
Processing Integration Results

RT: 3.47
Area: 1553203
Amount: 9.256272
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 1537874
Amount: 9.187550
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:04:05
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

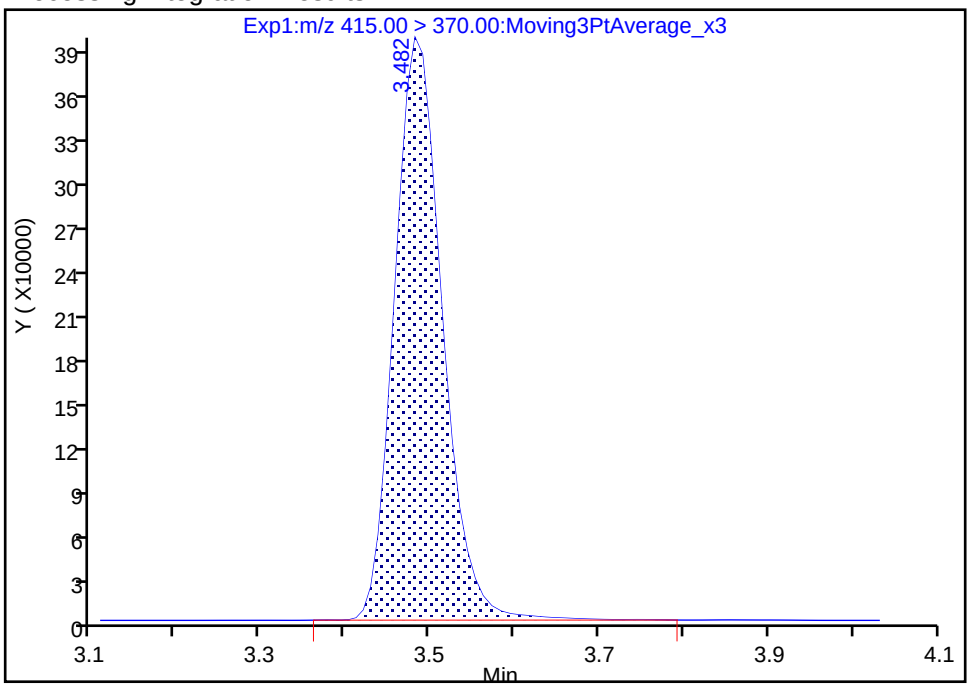
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

* 62 13C2 PFOA, CAS: STL00623

Signal: 1

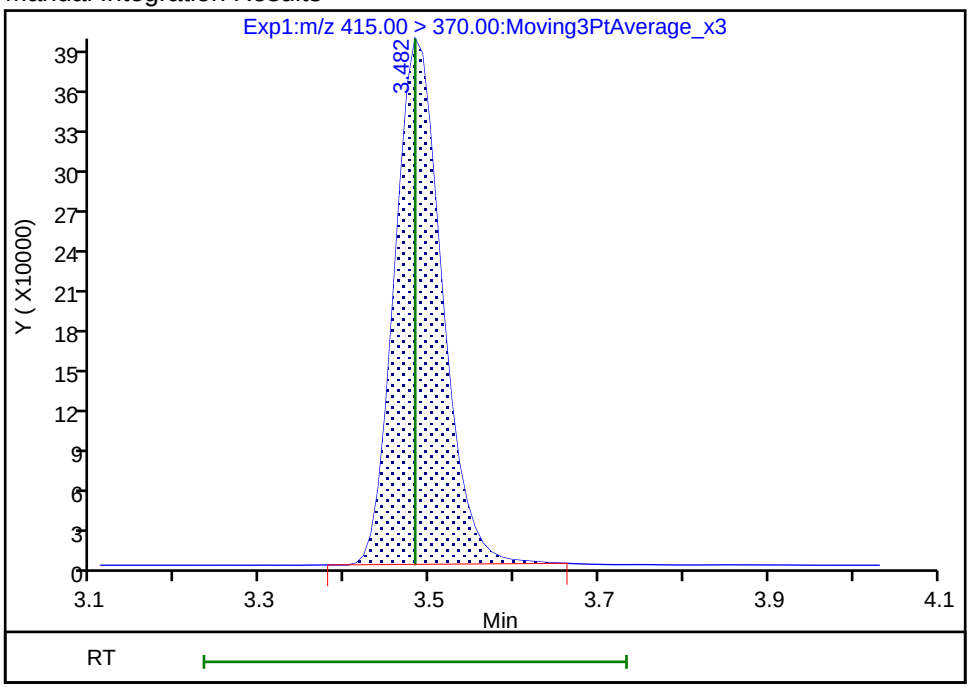
Processing Integration Results

RT: 3.48
Area: 1541689
Amount: 1.250000
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 1527618
Amount: 1.250000
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:04:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

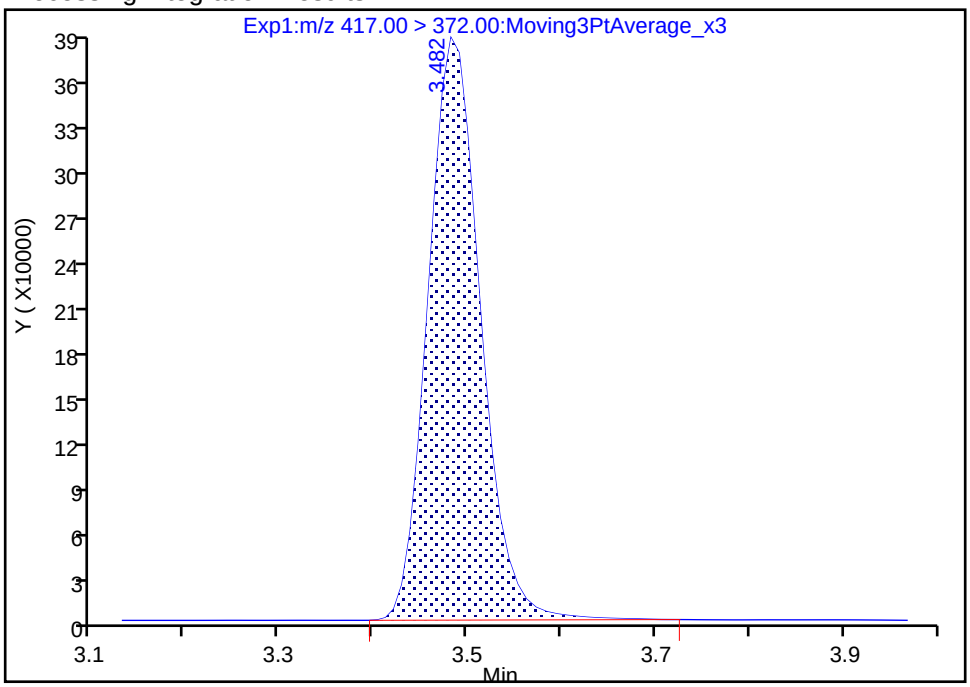
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

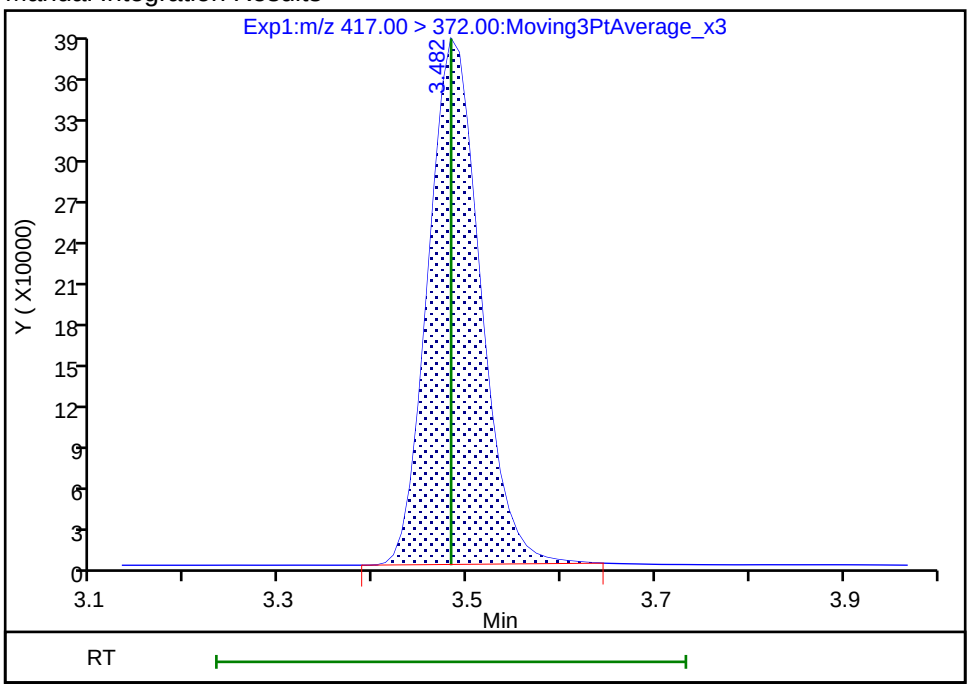
Processing Integration Results

RT: 3.48
Area: 1494730
Amount: 1.272733
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 1483901
Amount: 1.274740
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:04:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

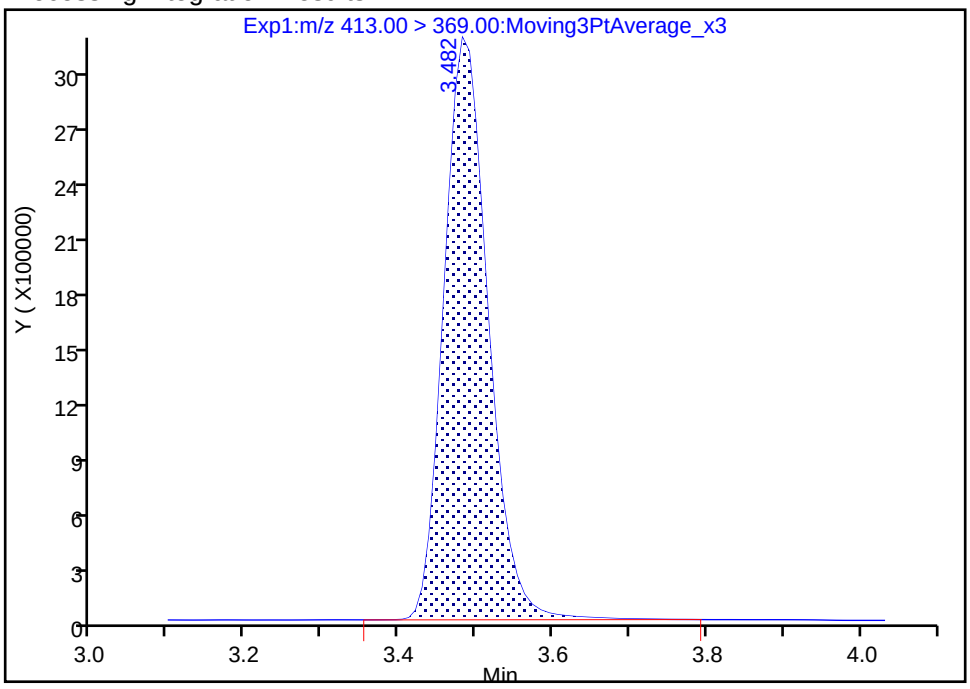
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d				
Injection Date:	03-Aug-2022 13:41:11	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

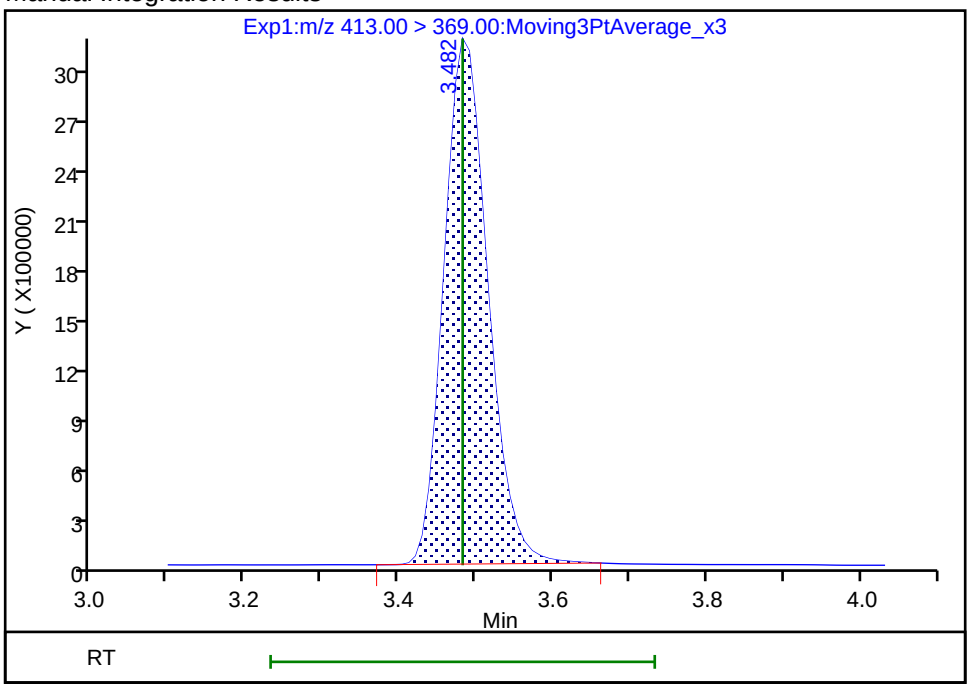
Processing Integration Results

RT: 3.48
Area: 12455190
Amount: 9.285632
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 12341745
Amount: 9.270895
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:04:12

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

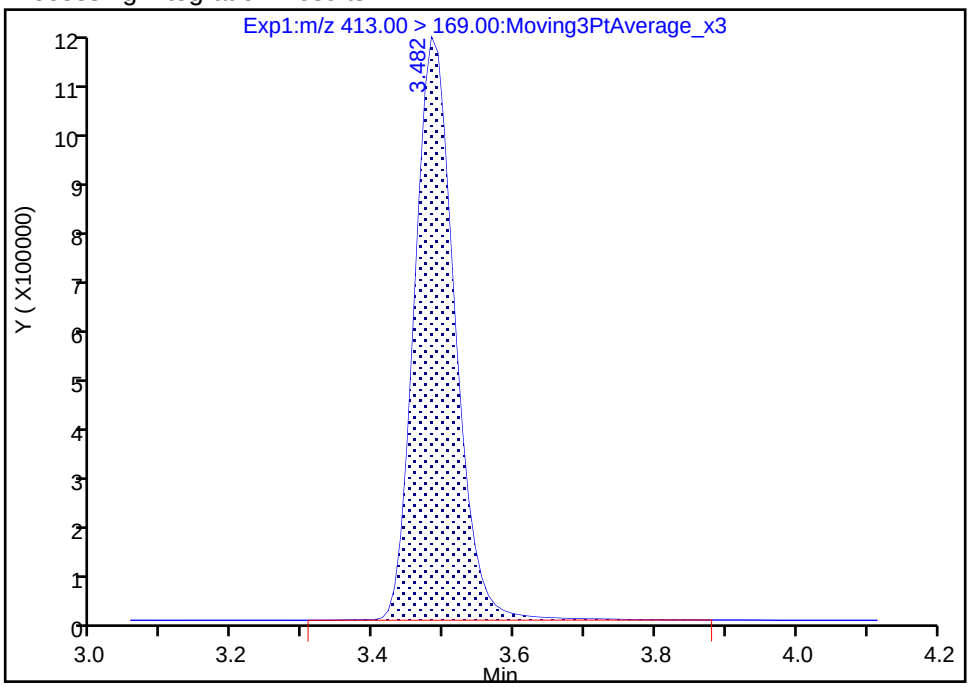
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d				
Injection Date:	03-Aug-2022 13:41:11	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

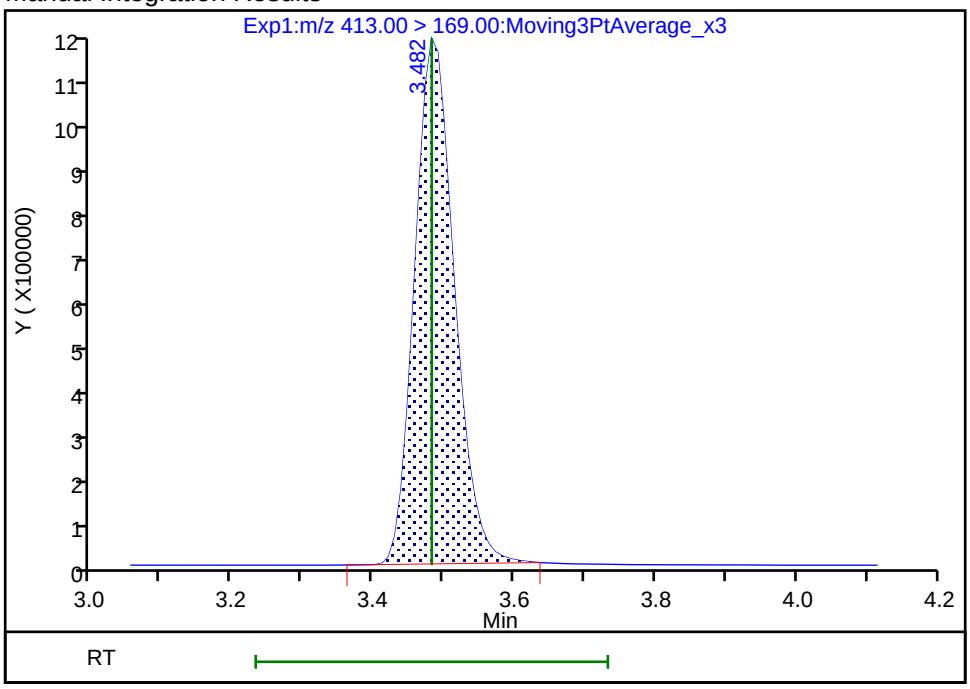
Processing Integration Results

RT: 3.48
Area: 4673670
Amount: 9.285632
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 4602327
Amount: 9.270895
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:04:15
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

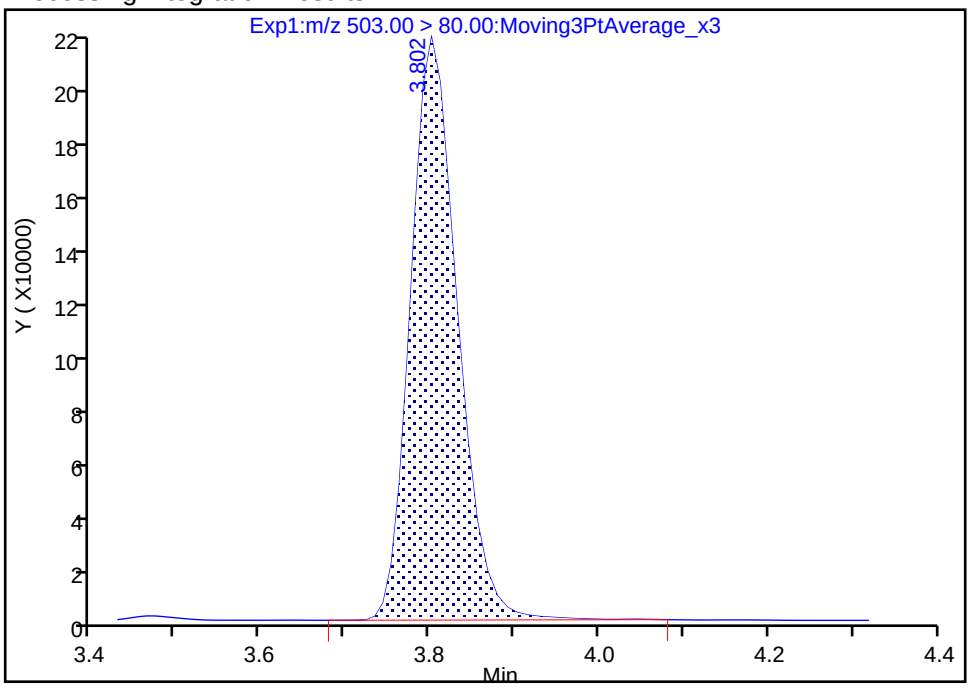
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d				
Injection Date:	03-Aug-2022 13:41:11	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 18 13C4 PFOS, CAS: STL00991

Signal: 1

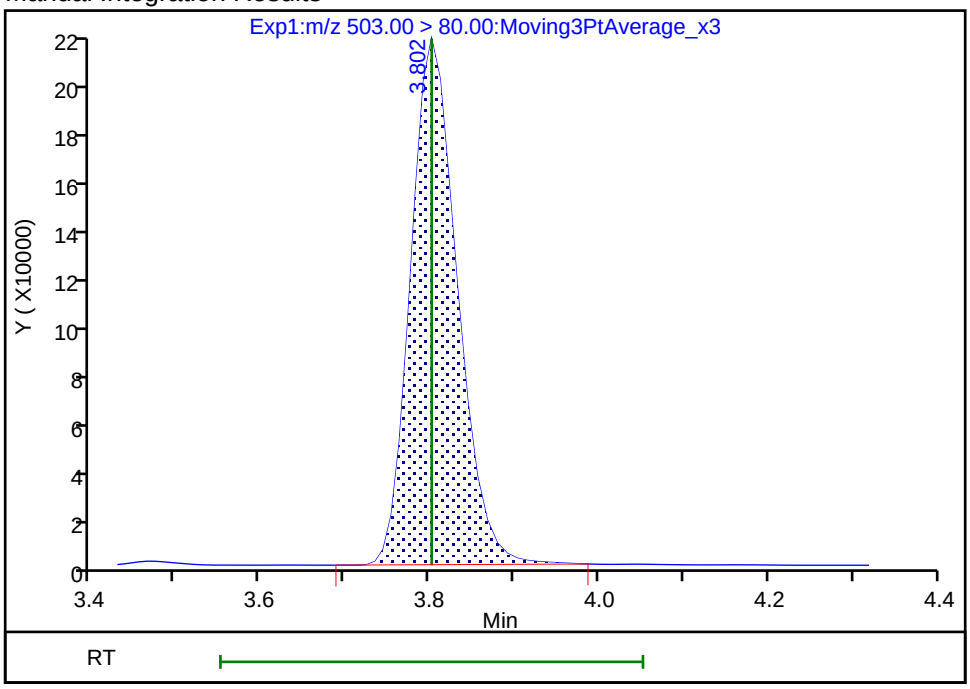
Processing Integration Results

RT: 3.80
Area: 824616
Amount: 1.236112
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 821046
Amount: 1.231680
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:09:46

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

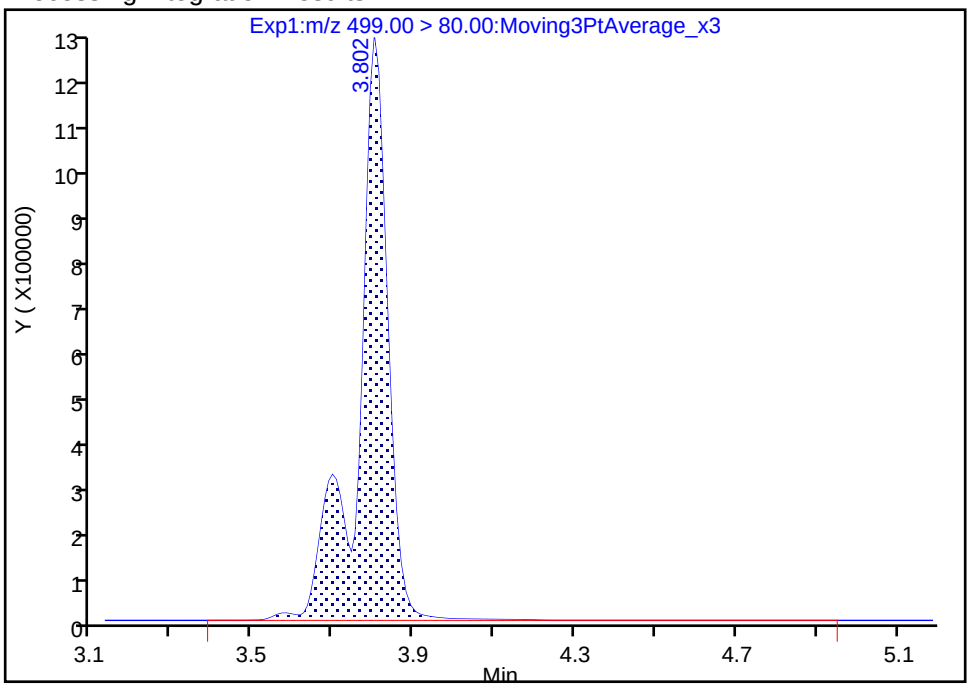
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

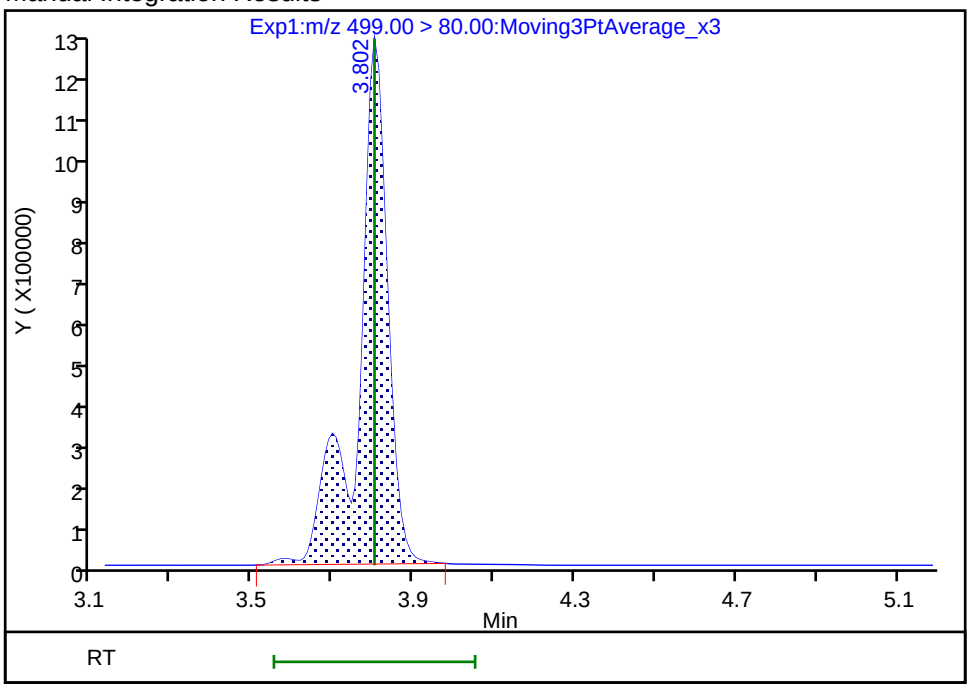
Processing Integration Results

RT: 3.80
Area: 6489973
Amount: 8.493599
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 6393833
Amount: 9.334770
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:04:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

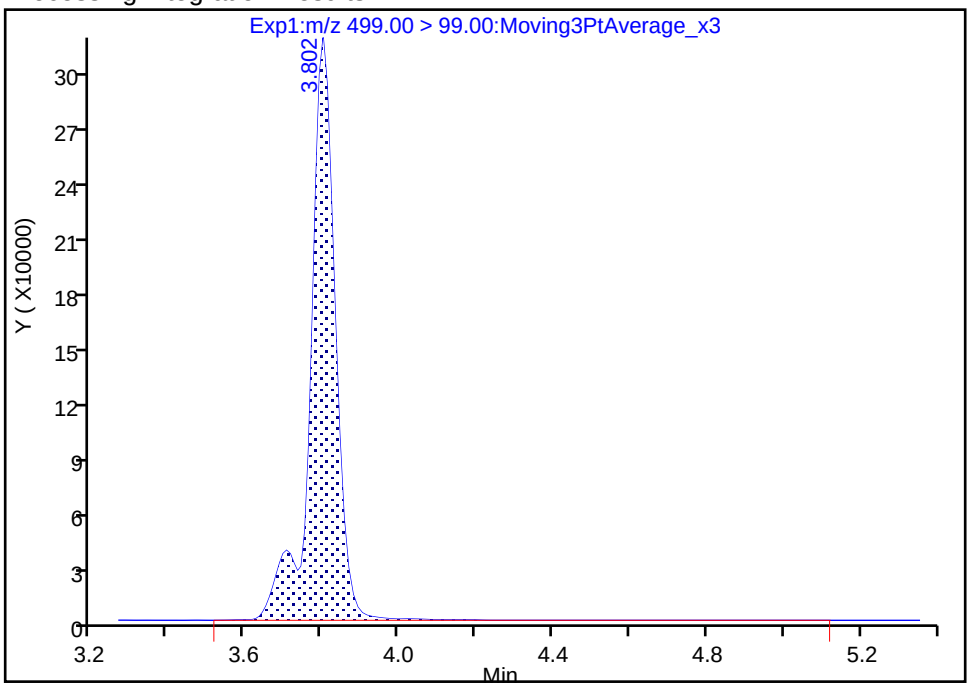
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d				
Injection Date:	03-Aug-2022 13:41:11	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

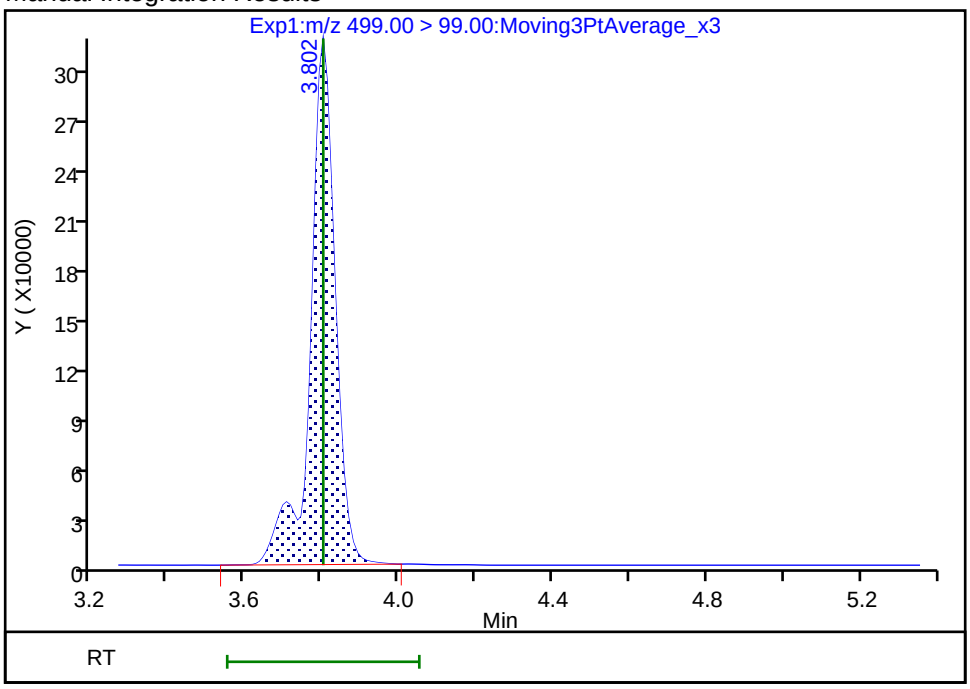
Processing Integration Results

RT: 3.80
Area: 1404238
Amount: 8.493599
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 1390243
Amount: 9.334770
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:04:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

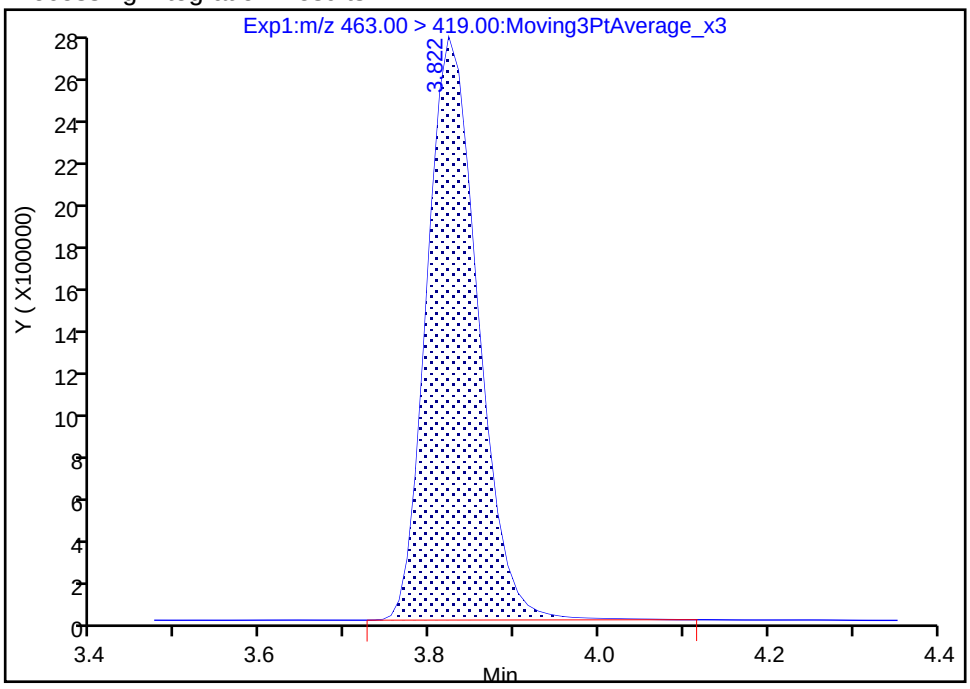
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d				
Injection Date:	03-Aug-2022 13:41:11	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

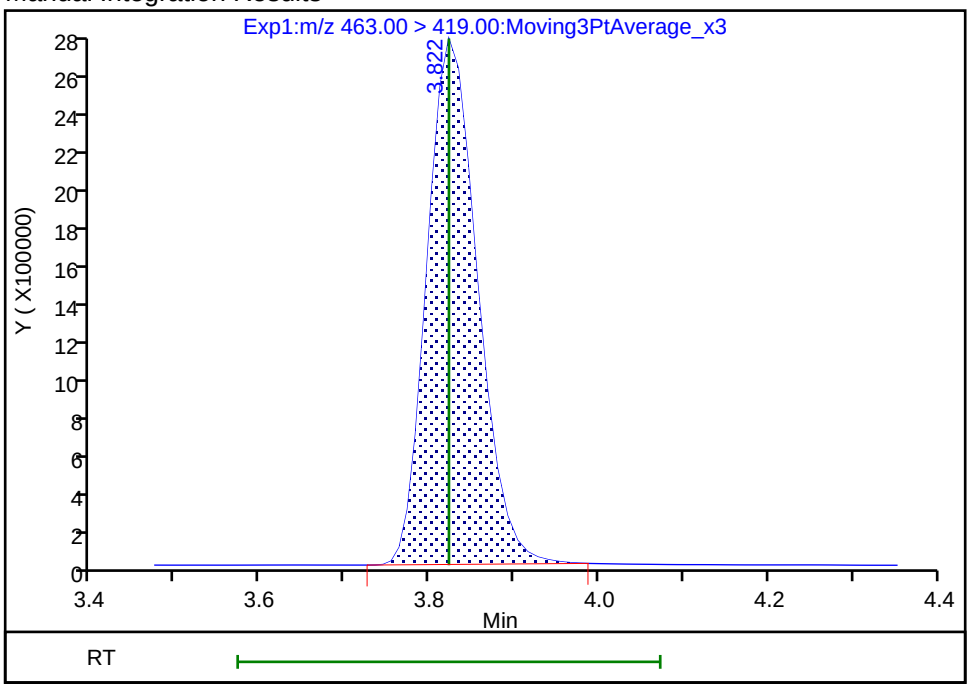
Processing Integration Results

RT: 3.82
Area: 11483914
Amount: 9.473981
Amount Units: ng/ml



Manual Integration Results

RT: 3.82
Area: 11406519
Amount: 9.420156
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:09:52

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

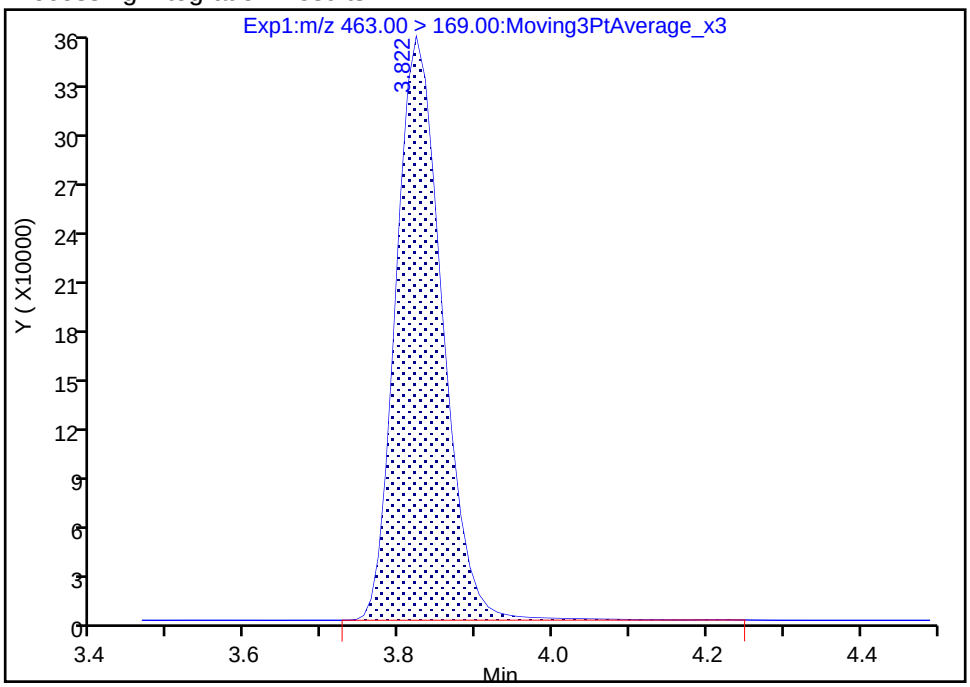
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d				
Injection Date:	03-Aug-2022 13:41:11	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

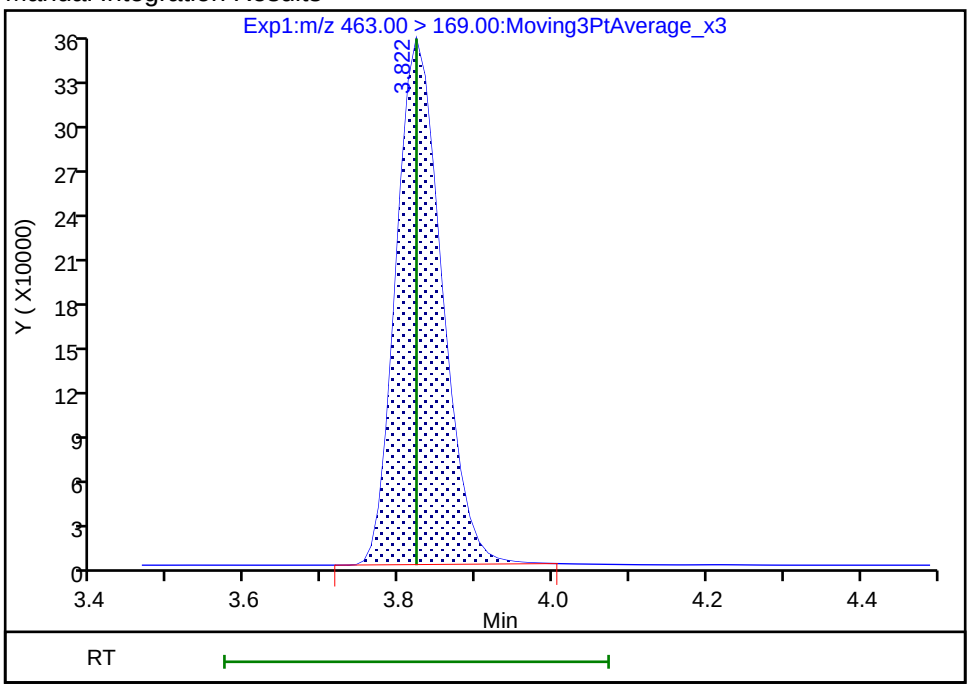
Processing Integration Results

RT: 3.82
Area: 1482641
Amount: 9.473981
Amount Units: ng/ml



Manual Integration Results

RT: 3.82
Area: 1469986
Amount: 9.420156
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:09:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

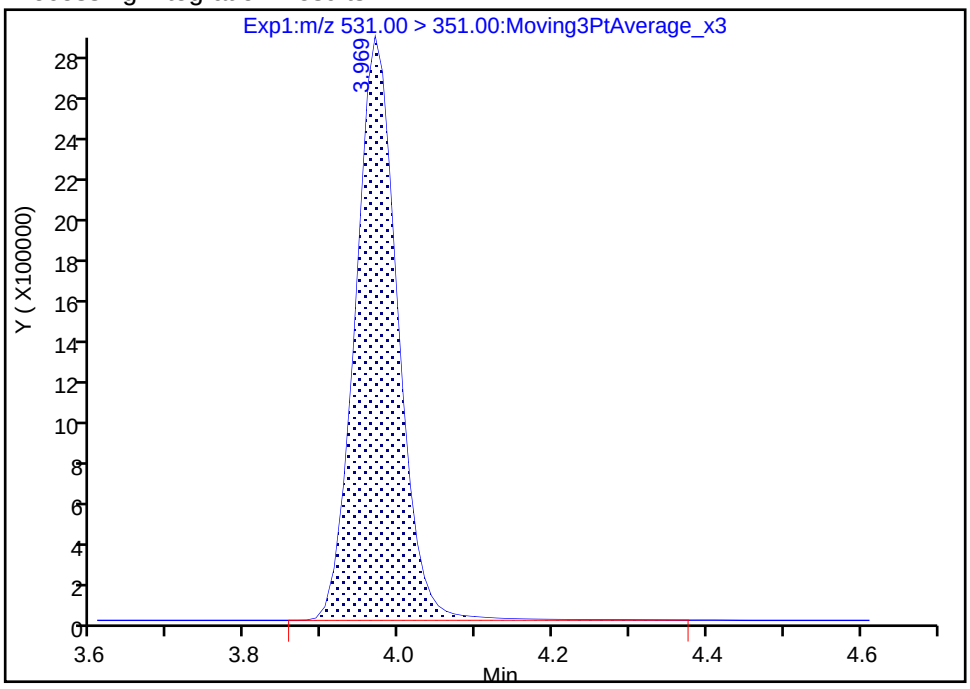
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d				
Injection Date:	03-Aug-2022 13:41:11	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

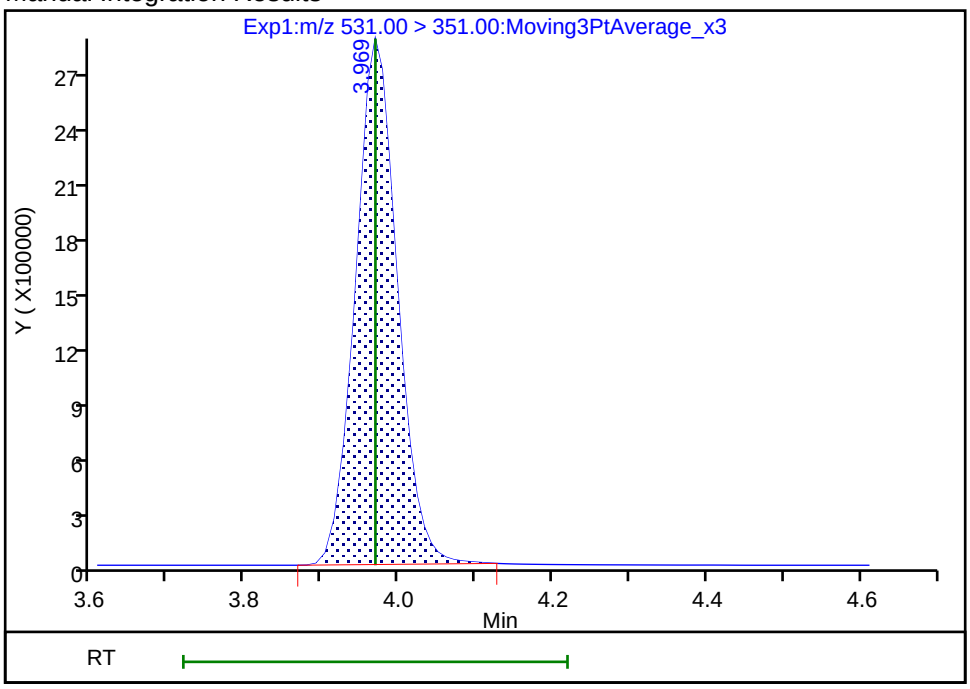
Processing Integration Results

RT: 3.97
Area: 10935442
Amount: 8.994955
Amount Units: ng/ml



Manual Integration Results

RT: 3.97
Area: 10822143
Amount: 8.916621
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:10:02
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

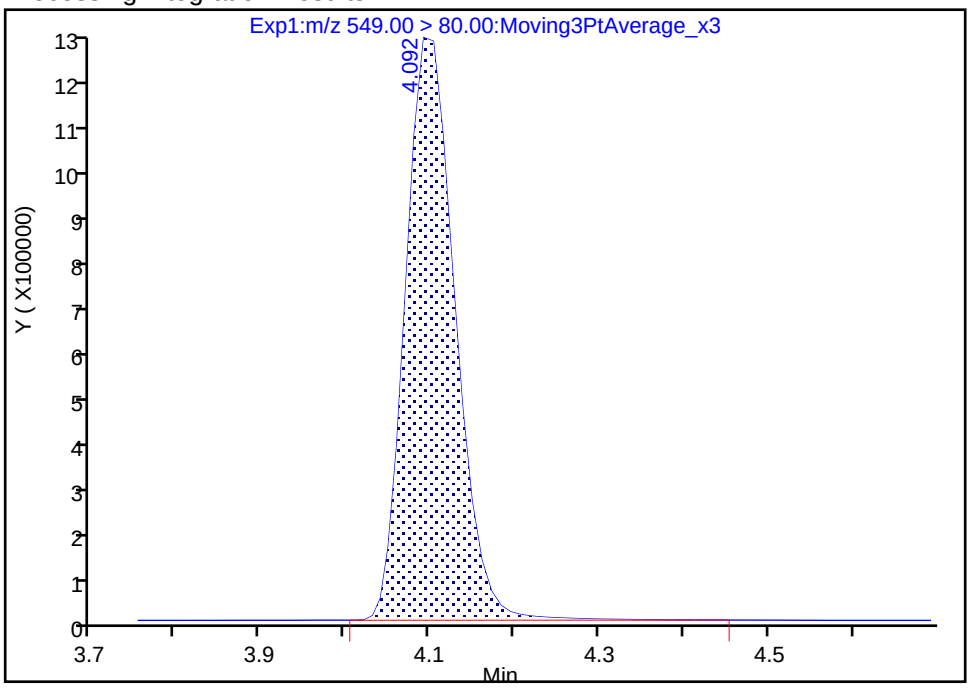
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

68 Perfluorononanesulfonic acid, CAS: 68259-12-1

Signal: 1

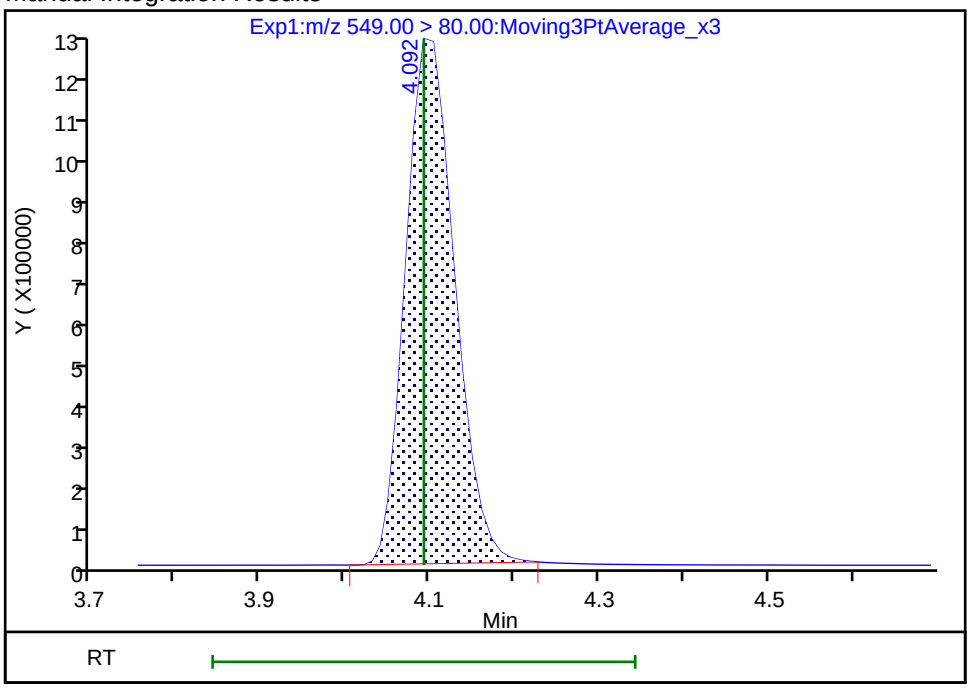
Processing Integration Results

RT: 4.09
Area: 4999400
Amount: 9.271245
Amount Units: ng/ml



Manual Integration Results

RT: 4.09
Area: 4925638
Amount: 9.156200
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:10:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

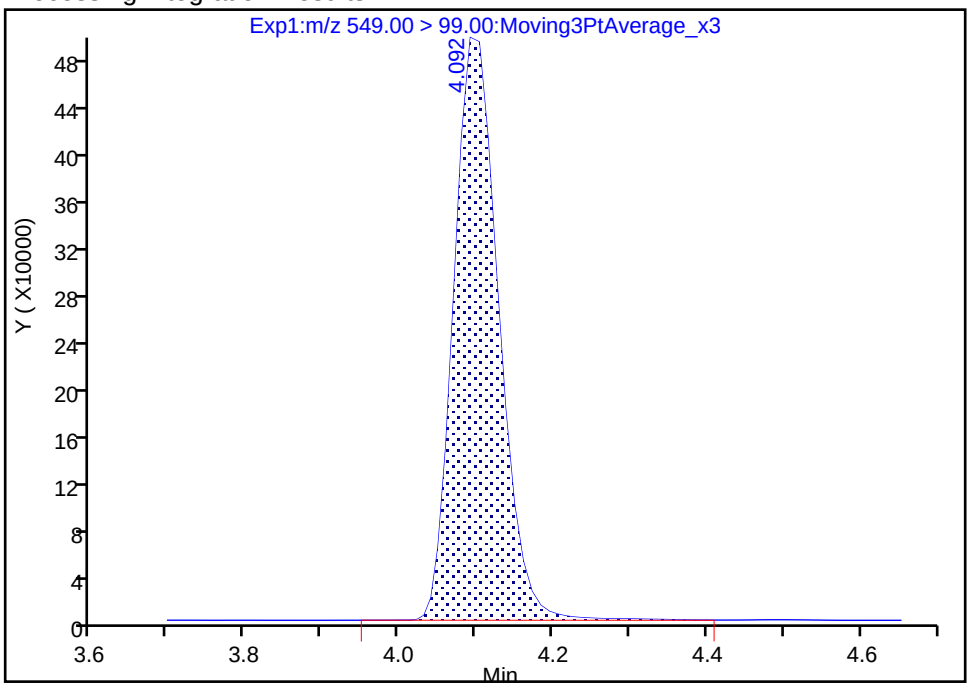
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d				
Injection Date:	03-Aug-2022 13:41:11	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

68 Perfluorononanesulfonic acid, CAS: 68259-12-1

Signal: 2

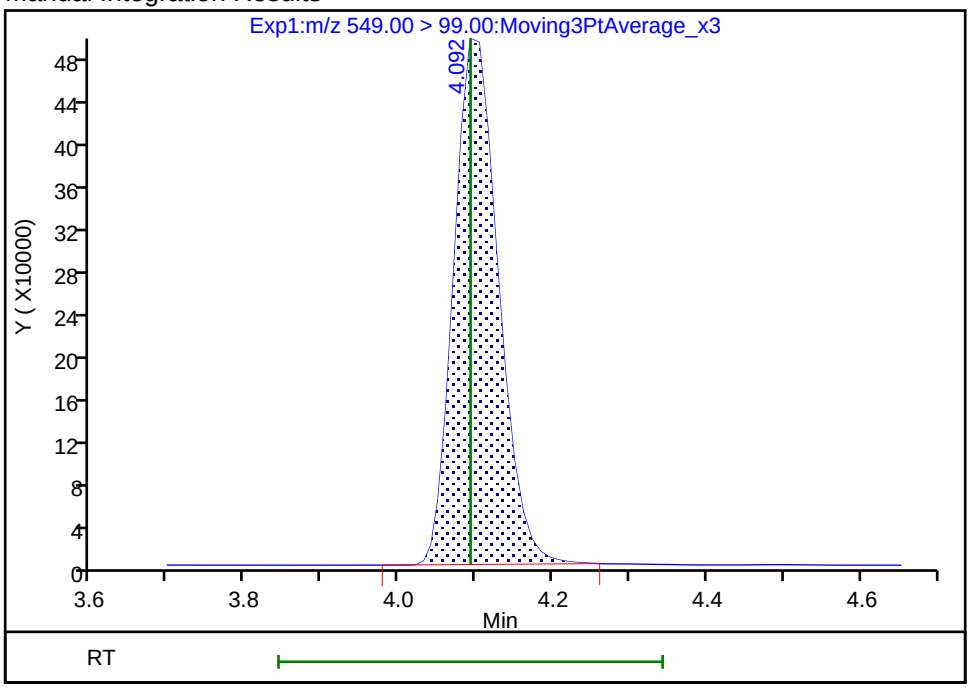
Processing Integration Results

RT: 4.09
Area: 2027098
Amount: 9.271245
Amount Units: ng/ml



Manual Integration Results

RT: 4.09
Area: 2007966
Amount: 9.156200
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:10:11
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

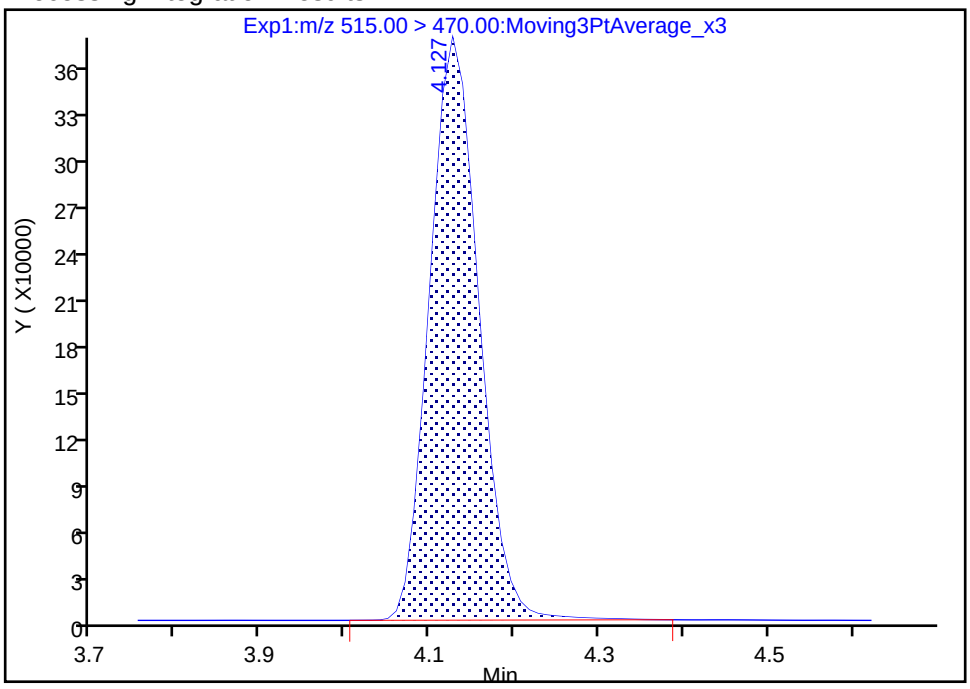
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

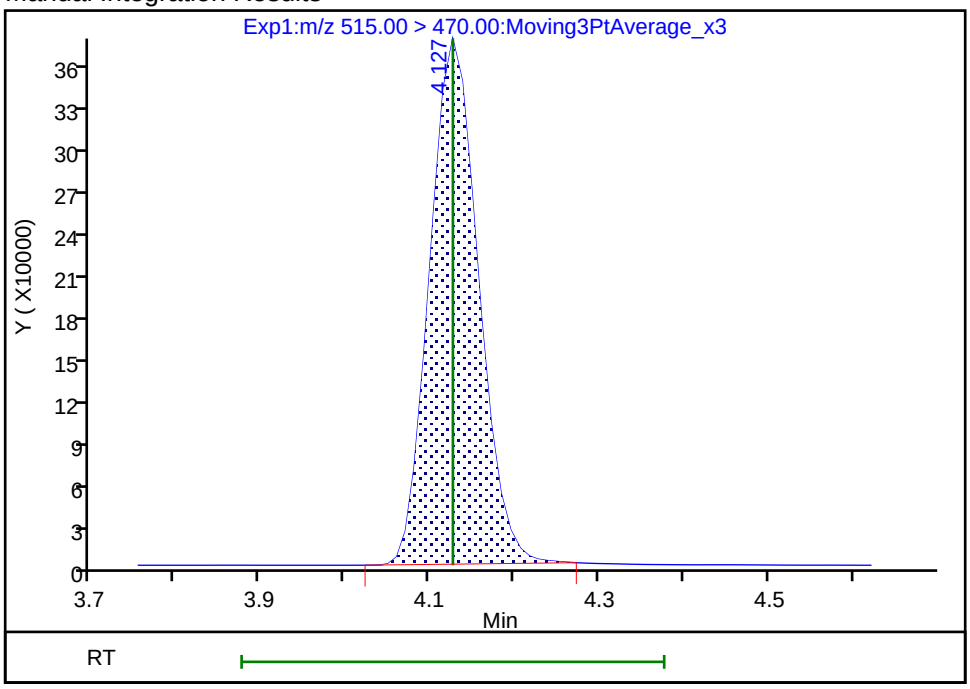
Processing Integration Results

RT: 4.13
Area: 1494393
Amount: 1.268365
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 1479189
Amount: 1.257624
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:11:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

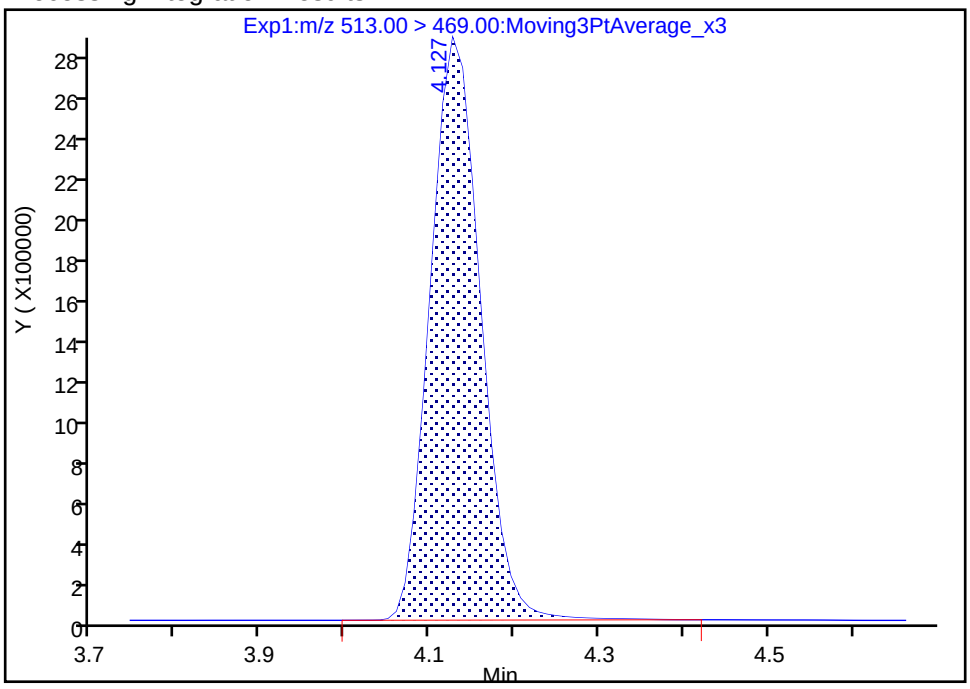
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d				
Injection Date:	03-Aug-2022 13:41:11	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

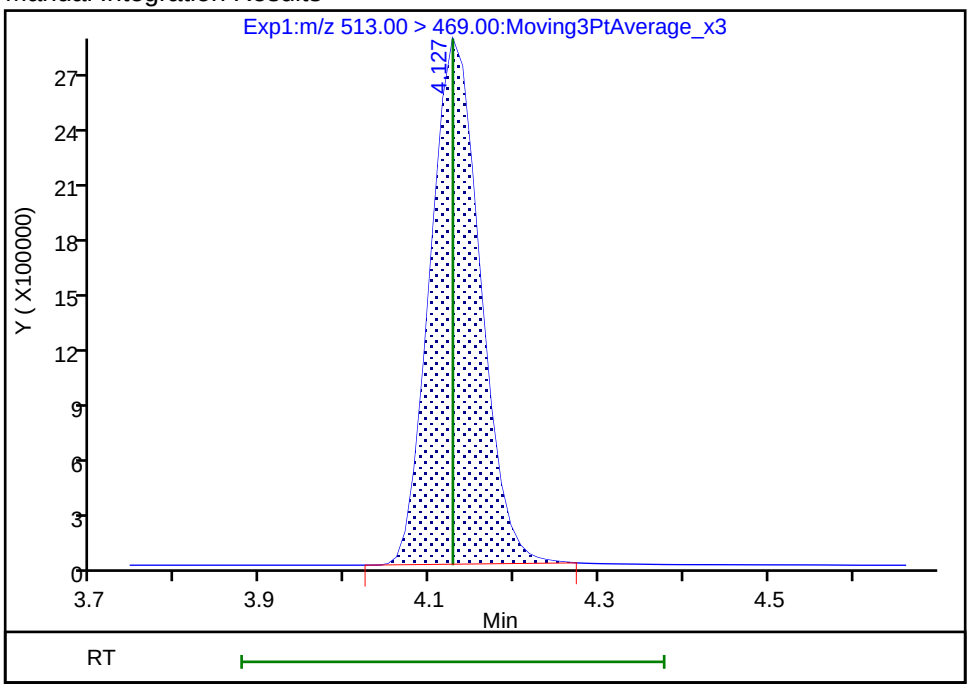
Processing Integration Results

RT: 4.13
Area: 11622772
Amount: 9.244954
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 11511562
Amount: 9.249739
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:10:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

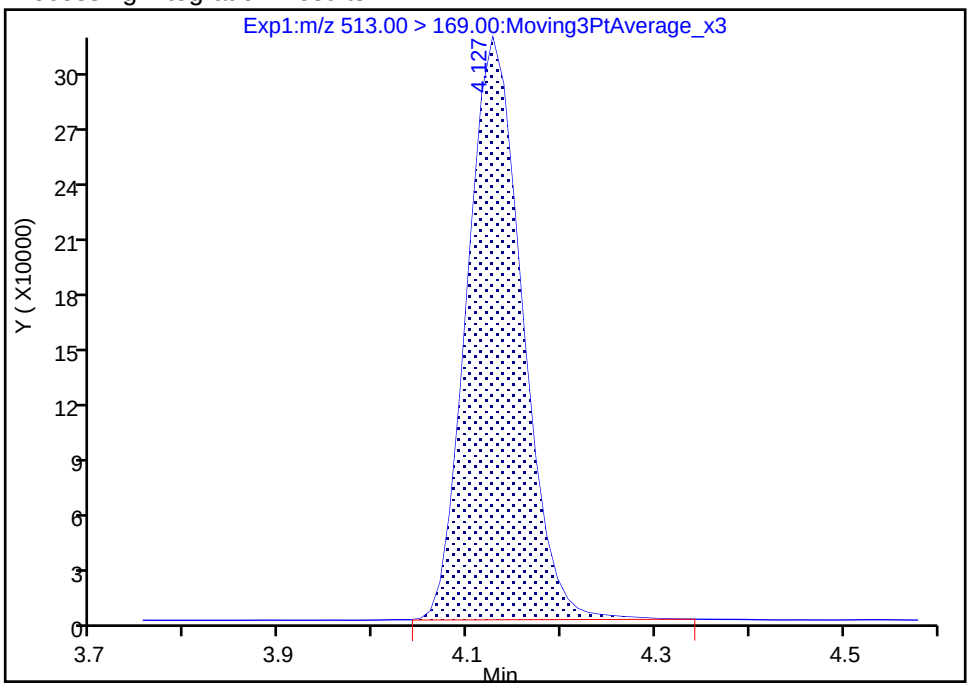
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d				
Injection Date:	03-Aug-2022 13:41:11	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

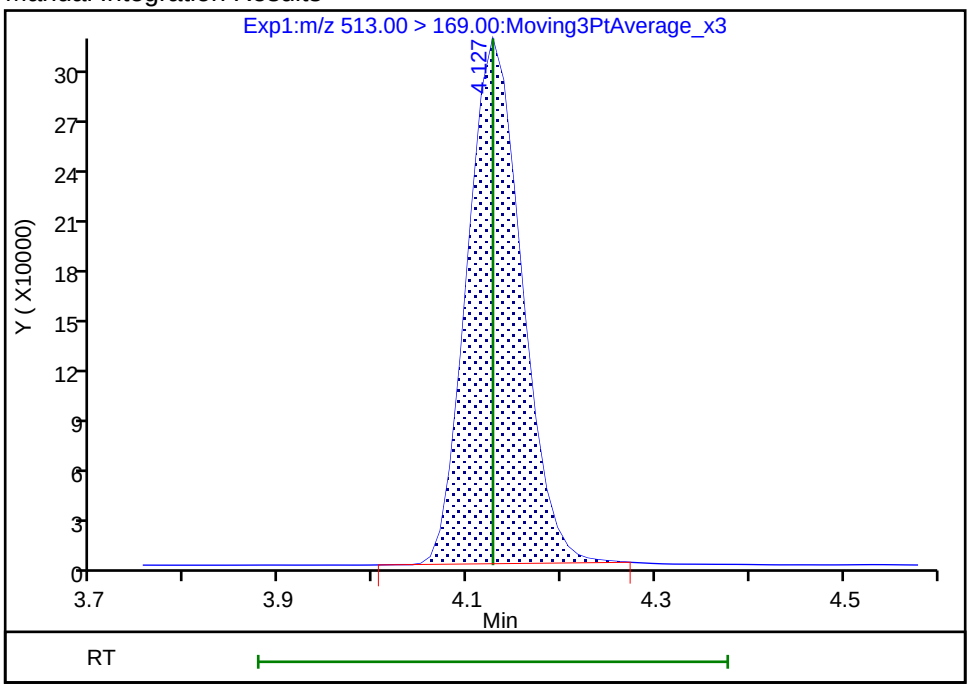
Processing Integration Results

RT: 4.13
Area: 1264074
Amount: 9.244954
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 1252336
Amount: 9.249739
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:10:24
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

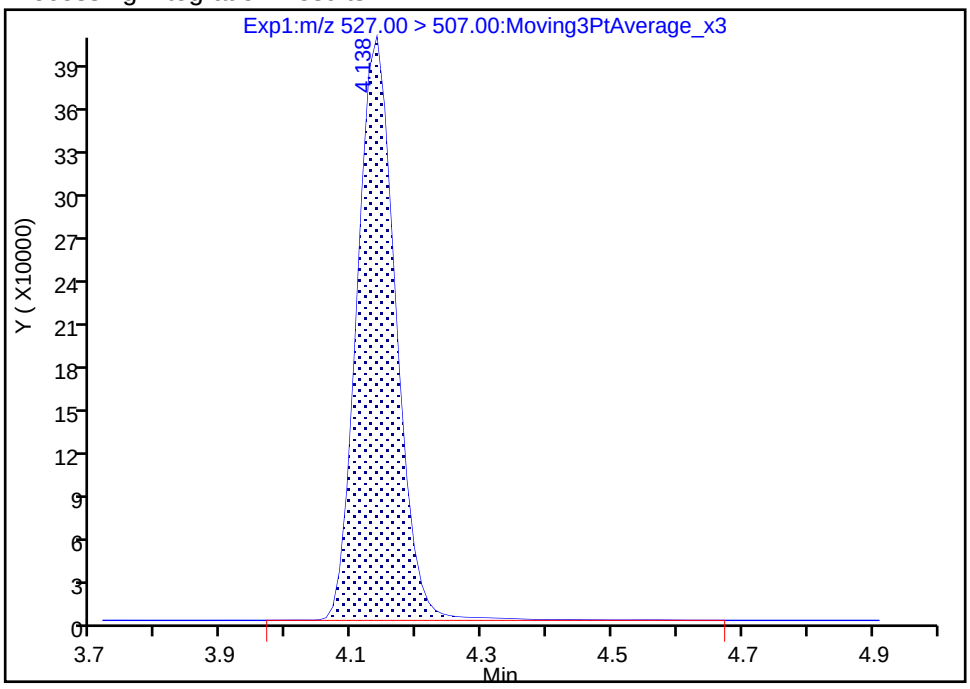
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d				
Injection Date:	03-Aug-2022 13:41:11	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

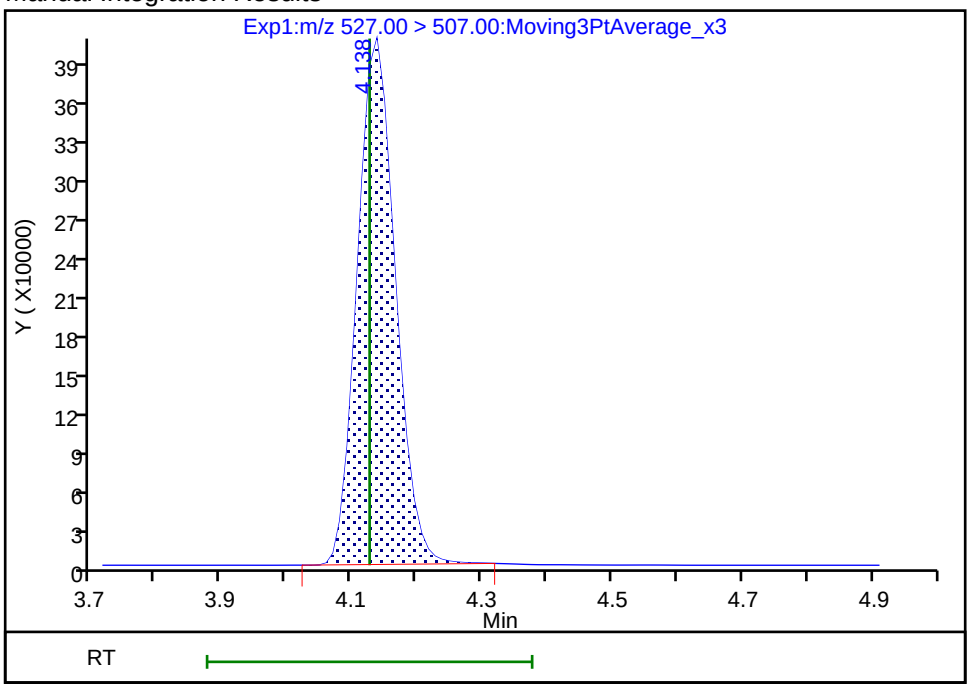
Processing Integration Results

RT: 4.14
Area: 1644937
Amount: 9.183081
Amount Units: ng/ml



Manual Integration Results

RT: 4.14
Area: 1625337
Amount: 9.090967
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:10:16
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

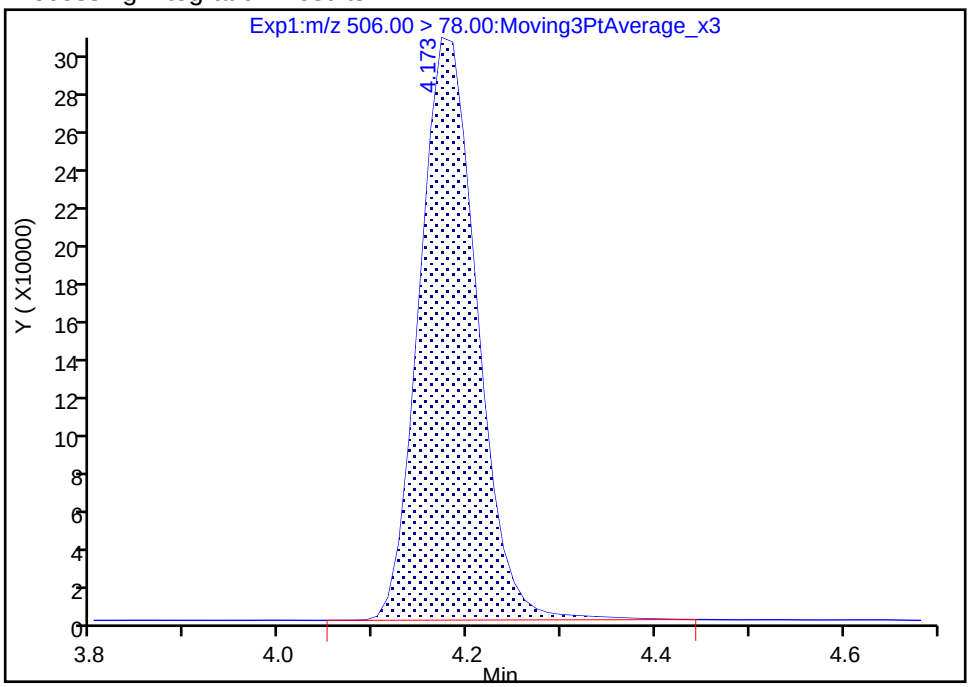
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

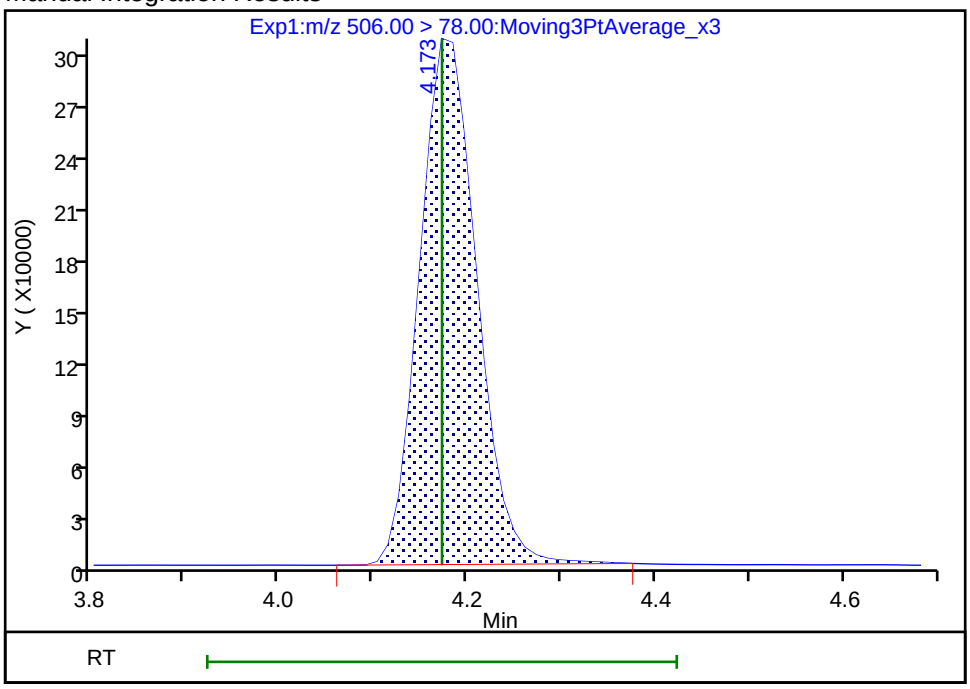
Processing Integration Results

RT: 4.17
Area: 1297764
Amount: 1.259461
Amount Units: ng/ml



Manual Integration Results

RT: 4.17
Area: 1290314
Amount: 1.253439
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:12:20
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

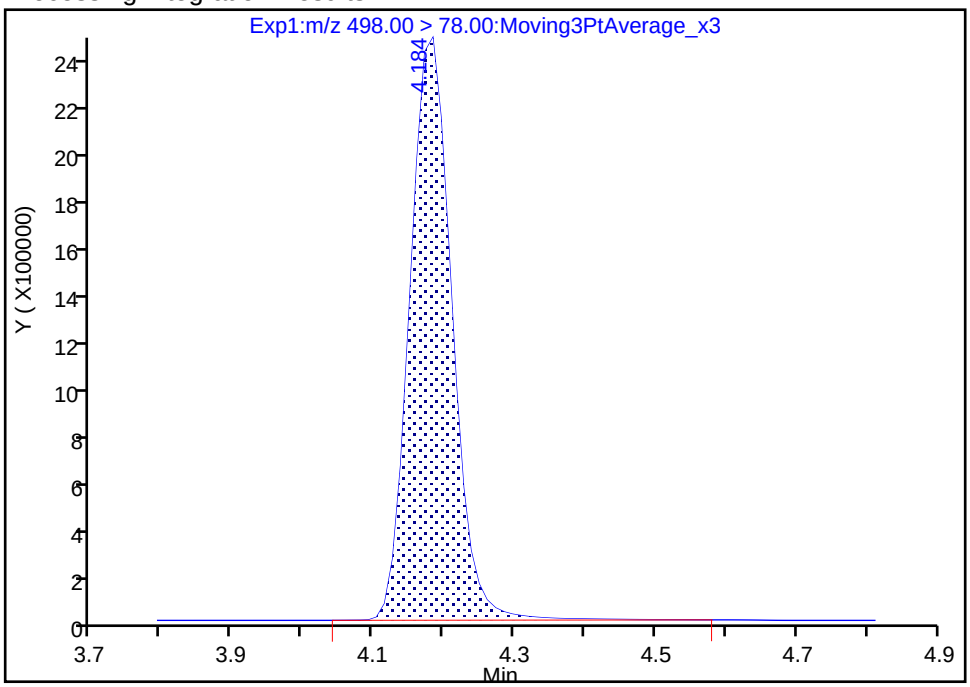
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

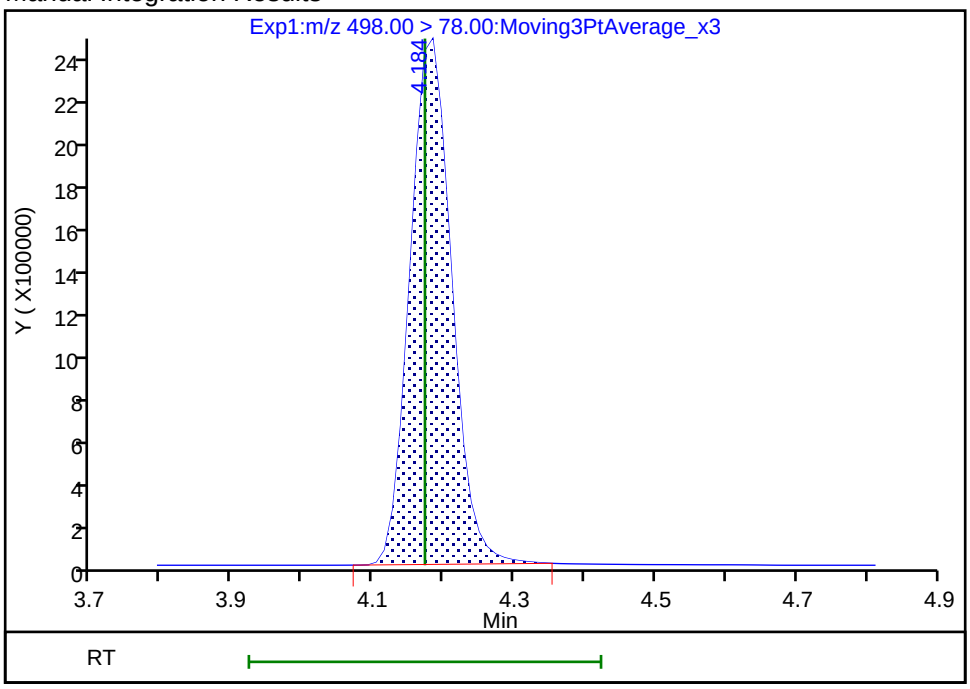
Processing Integration Results

RT: 4.18
Area: 10281607
Amount: 9.758580
Amount Units: ng/ml



Manual Integration Results

RT: 4.18
Area: 10178171
Amount: 9.676238
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:12:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

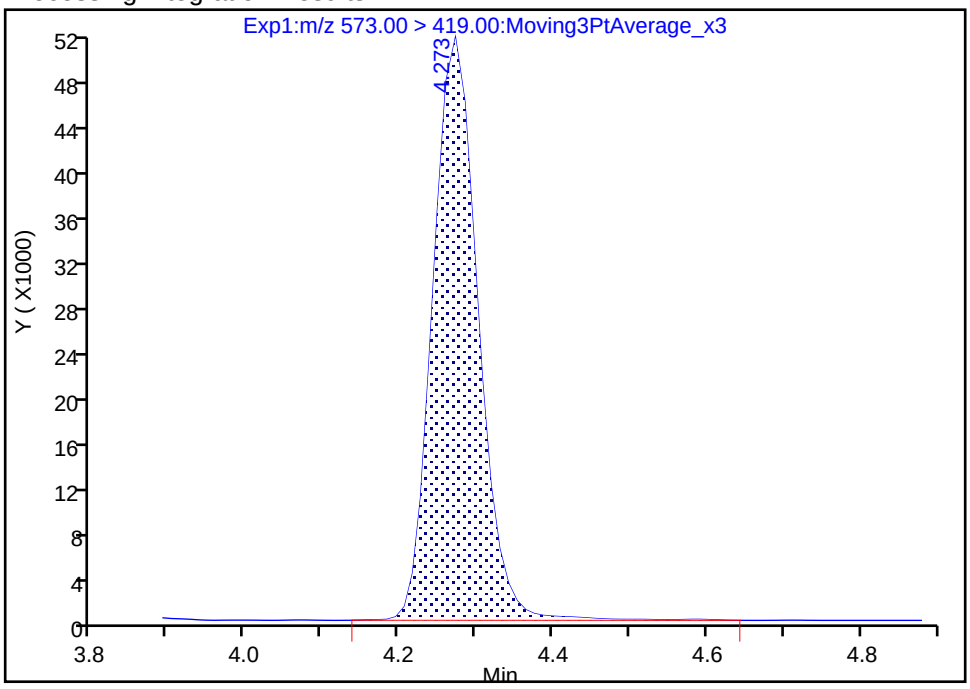
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d				
Injection Date:	03-Aug-2022 13:41:11	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

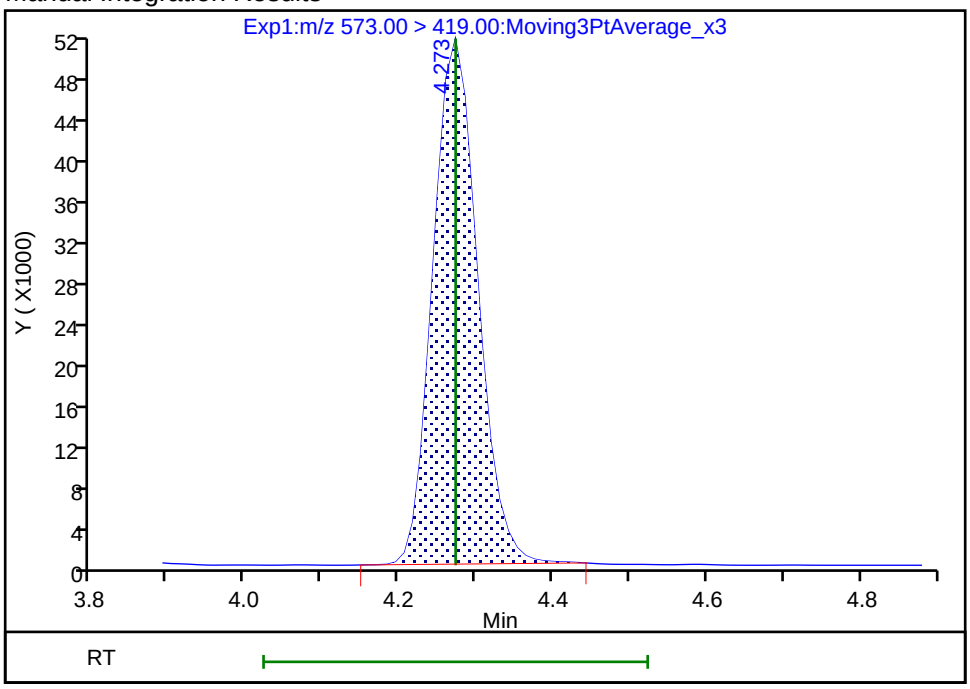
Processing Integration Results

RT: 4.27
Area: 211365
Amount: 1.337402
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 208390
Amount: 1.321895
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:12:37

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

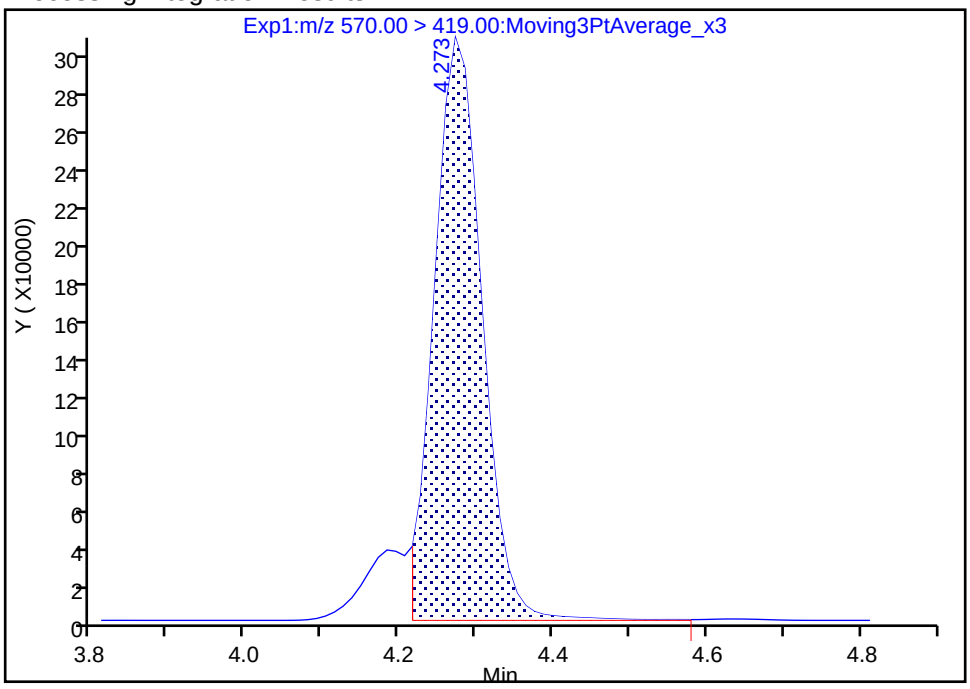
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

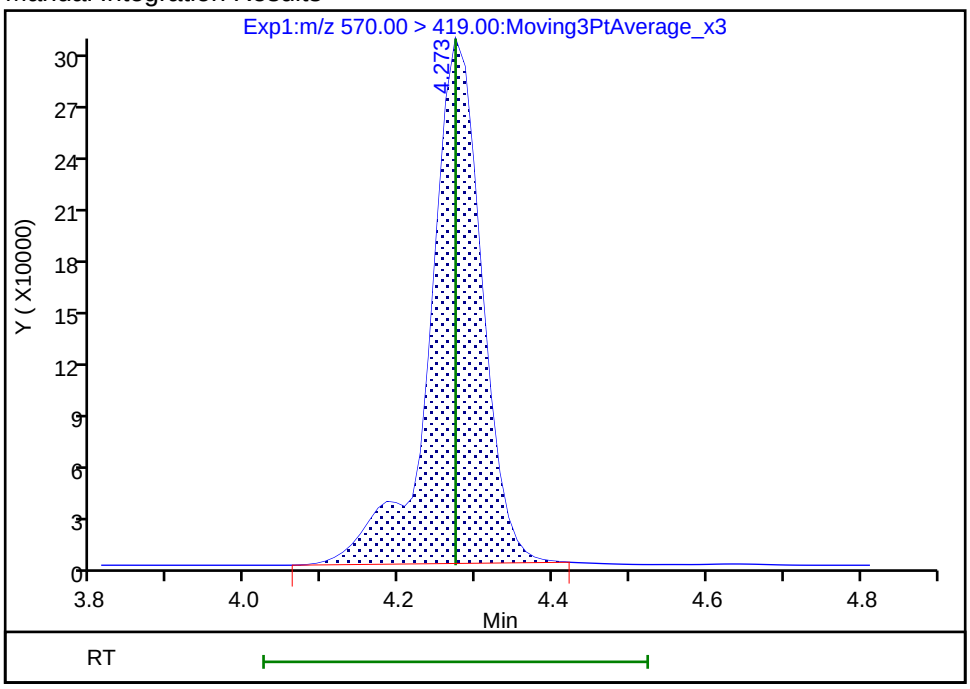
Processing Integration Results

RT: 4.27
Area: 1329074
Amount: 9.003098
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 1461120
Amount: 9.868512
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:12:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

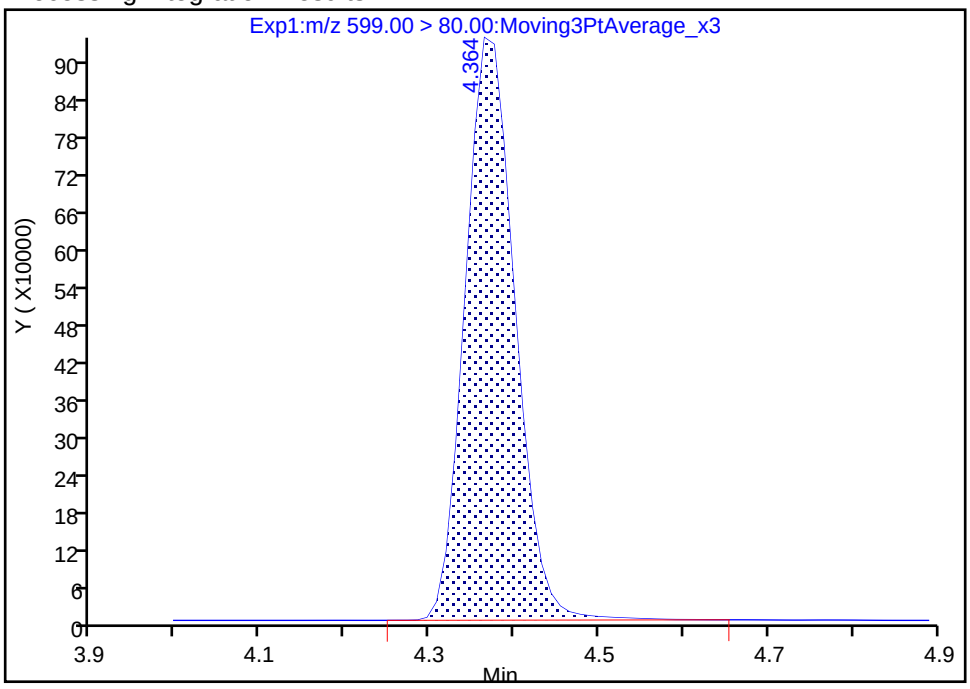
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d				
Injection Date:	03-Aug-2022 13:41:11	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

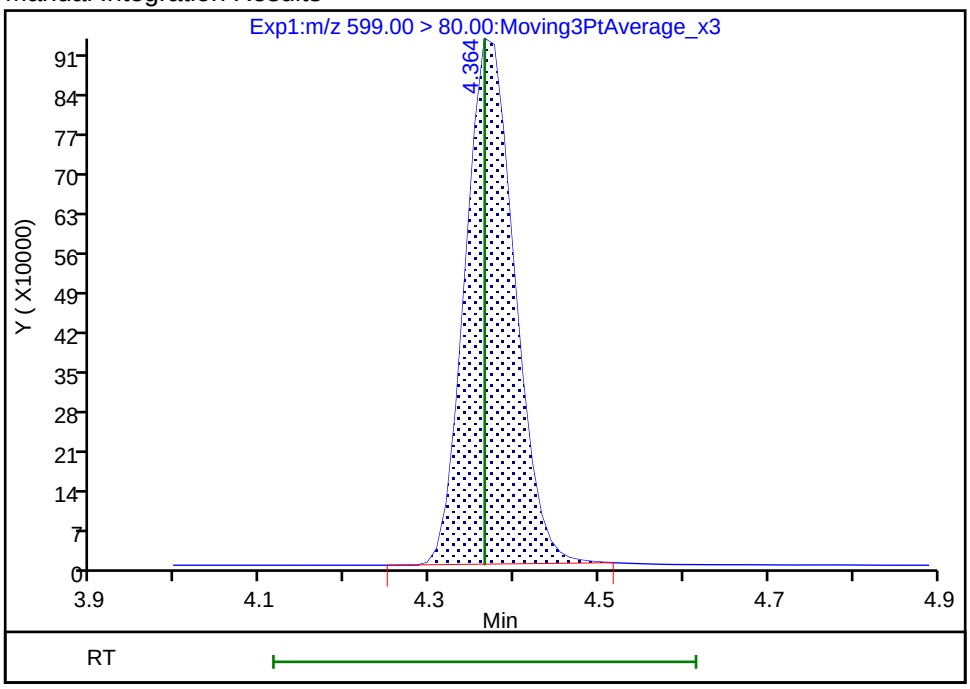
Processing Integration Results

RT: 4.36
Area: 3793904
Amount: 9.460528
Amount Units: ng/ml



Manual Integration Results

RT: 4.36
Area: 3753346
Amount: 9.375786
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:12:41
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

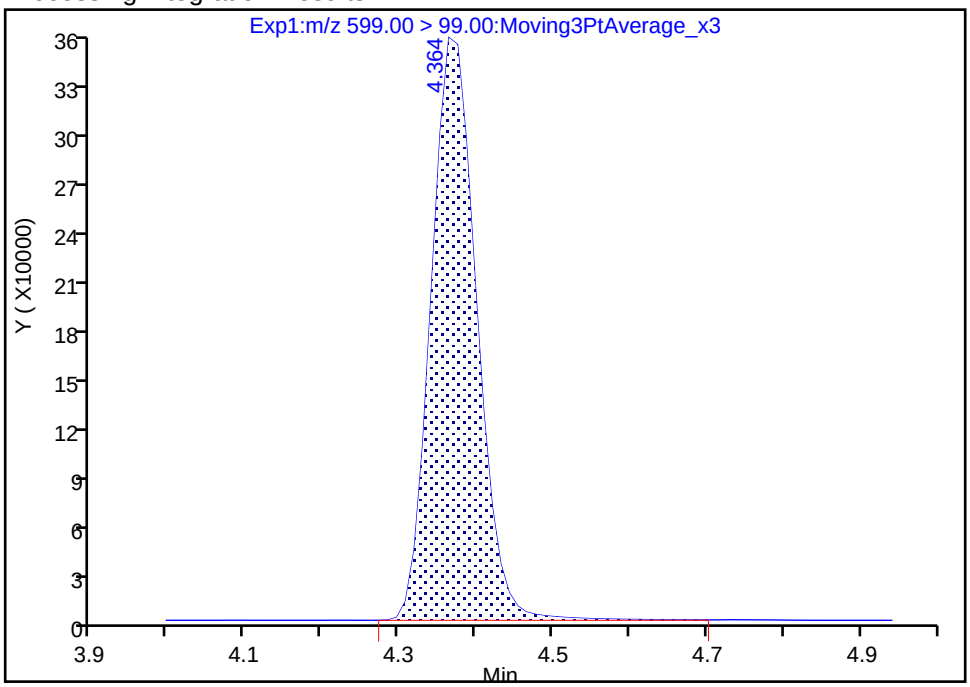
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d				
Injection Date:	03-Aug-2022 13:41:11	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

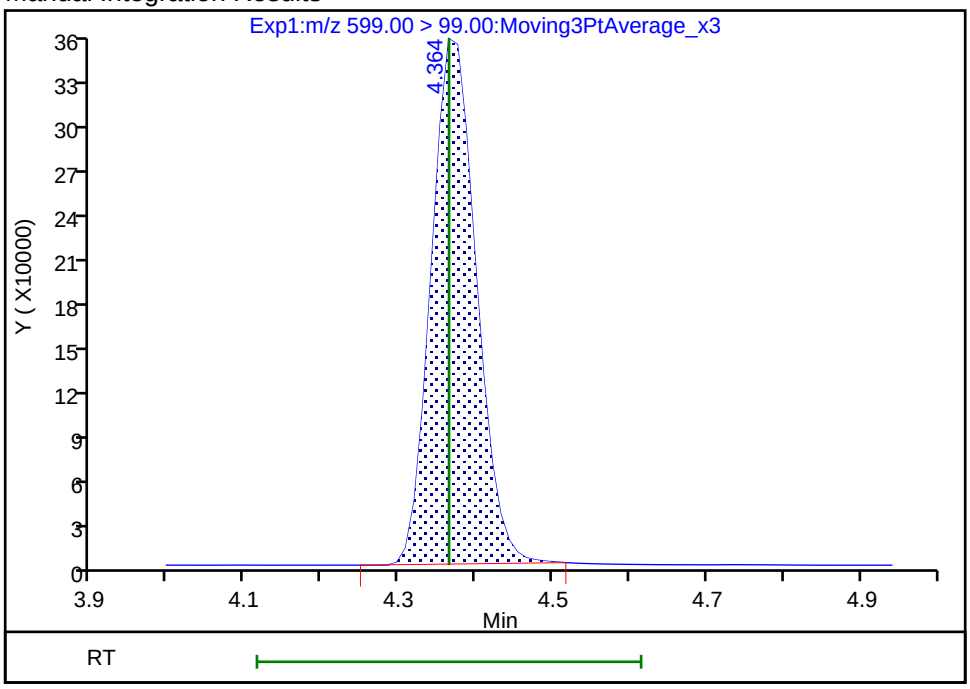
Processing Integration Results

RT: 4.36
Area: 1460435
Amount: 9.460528
Amount Units: ng/ml



Manual Integration Results

RT: 4.36
Area: 1439627
Amount: 9.375786
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:12:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

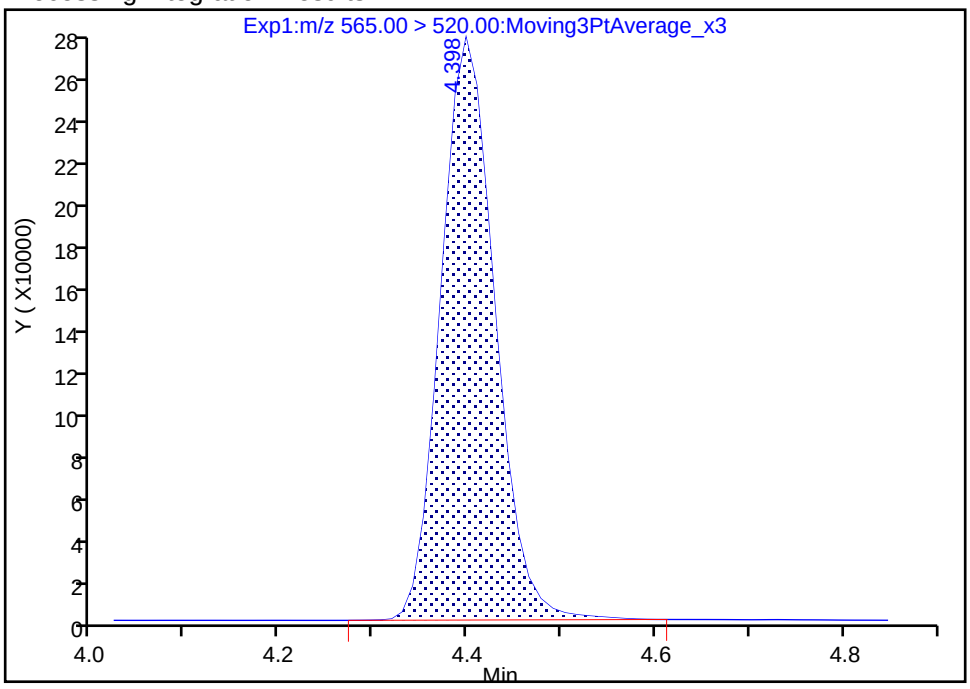
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

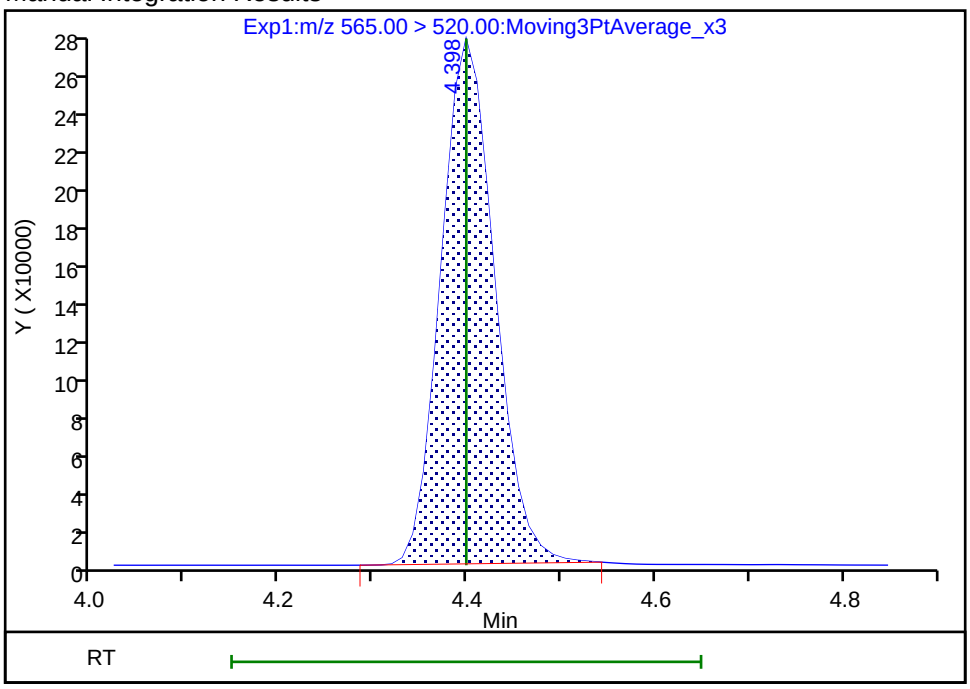
Processing Integration Results

RT: 4.40
Area: 1109215
Amount: 1.242493
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 1097436
Amount: 1.231466
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:12:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

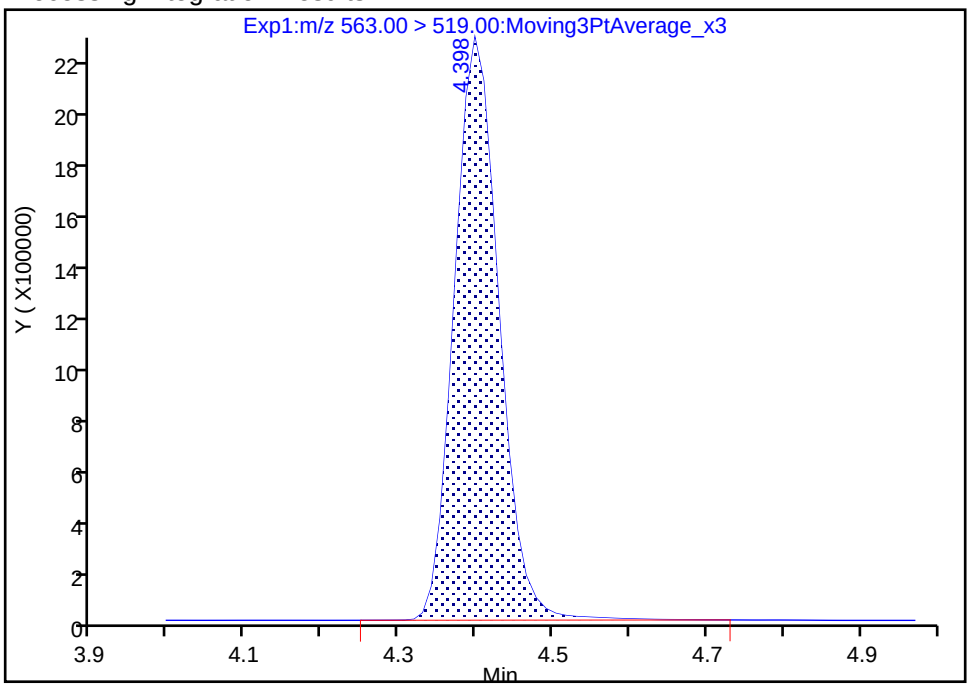
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

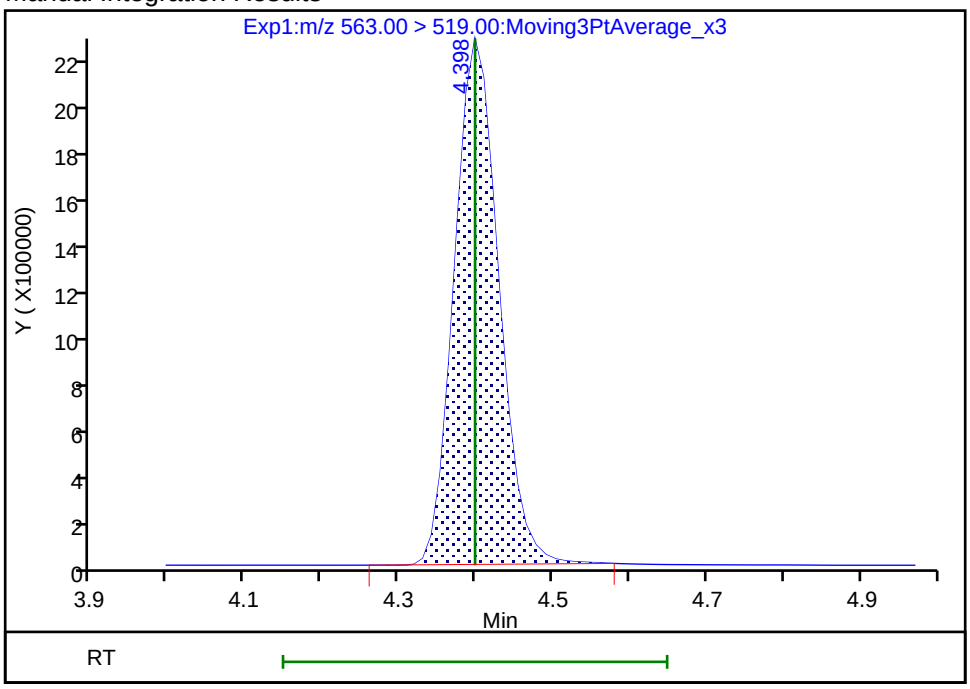
Processing Integration Results

RT: 4.40
Area: 8923143
Amount: 9.579770
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 8843669
Amount: 9.507968
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:12:54
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

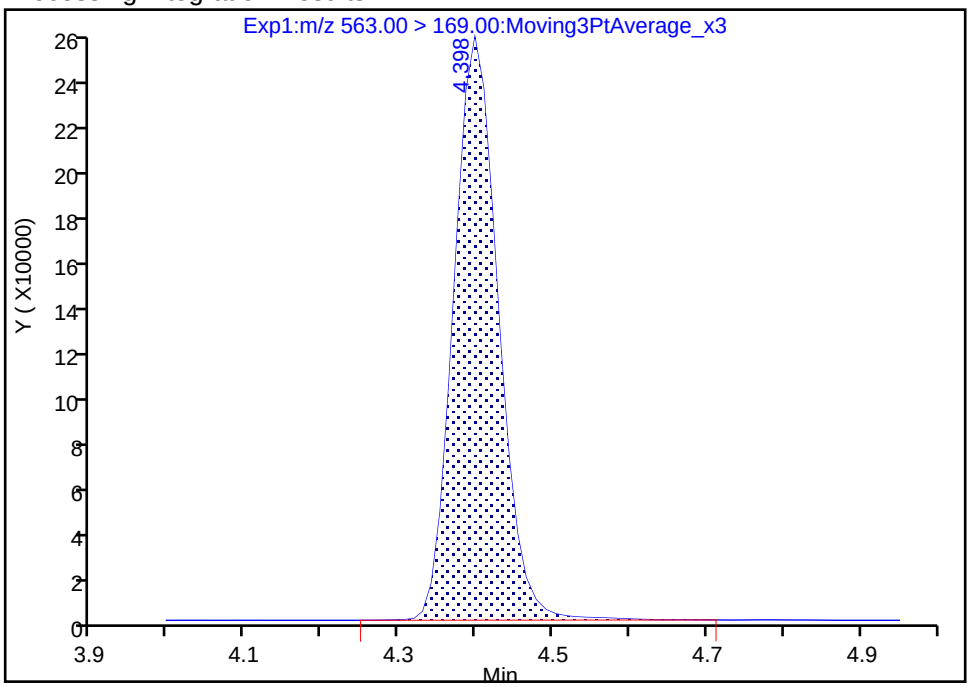
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d				
Injection Date:	03-Aug-2022 13:41:11	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

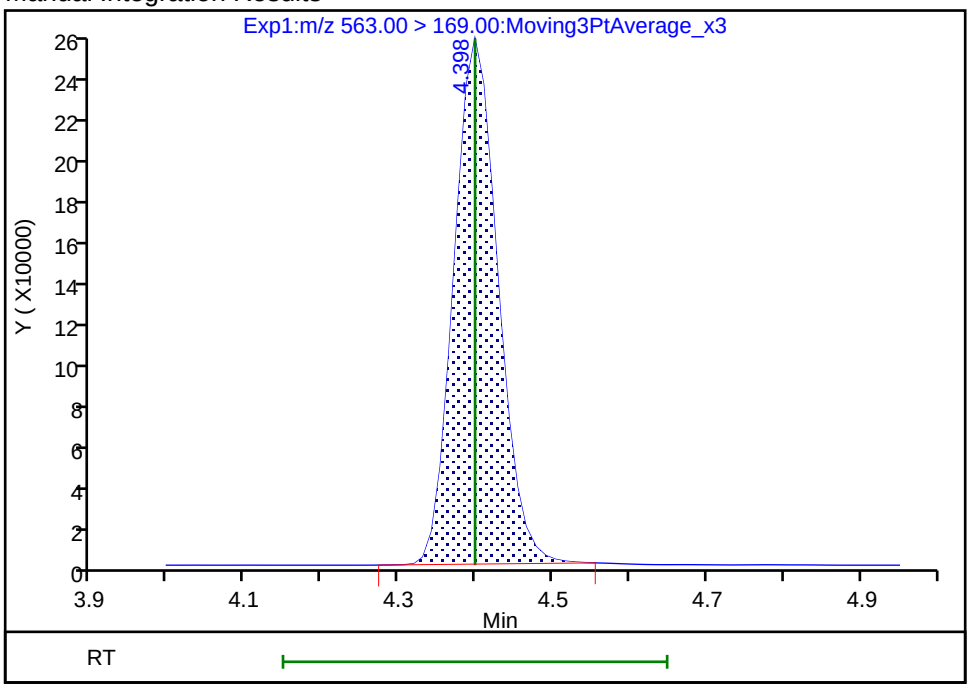
Processing Integration Results

RT: 4.40
Area: 1041836
Amount: 9.579770
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 1029859
Amount: 9.507968
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:12:58

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

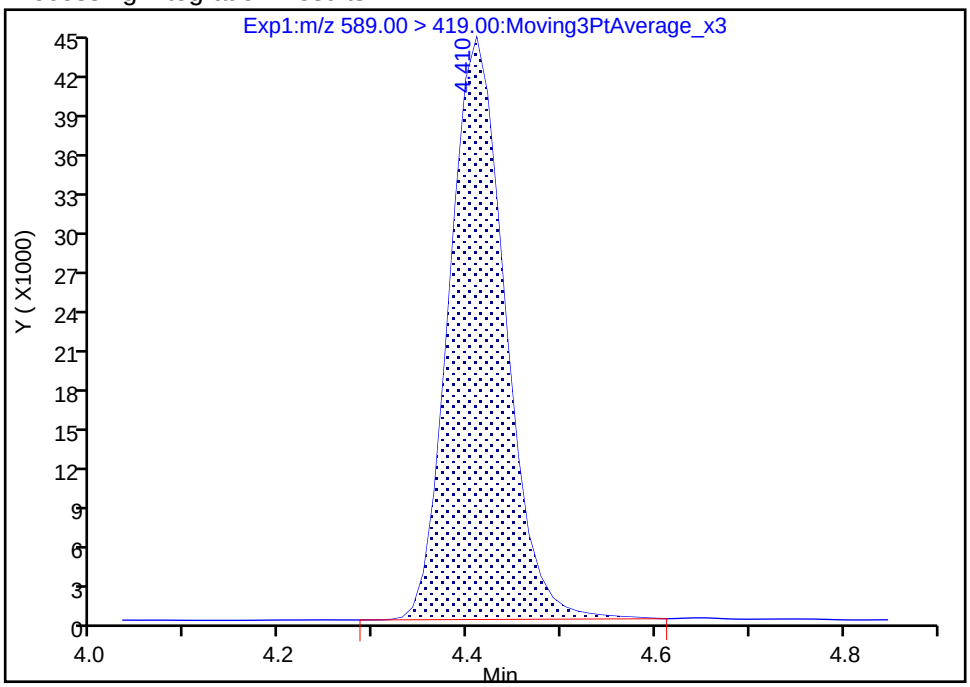
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 32 d5-NEtFOSAA, CAS: STL02117

Signal: 1

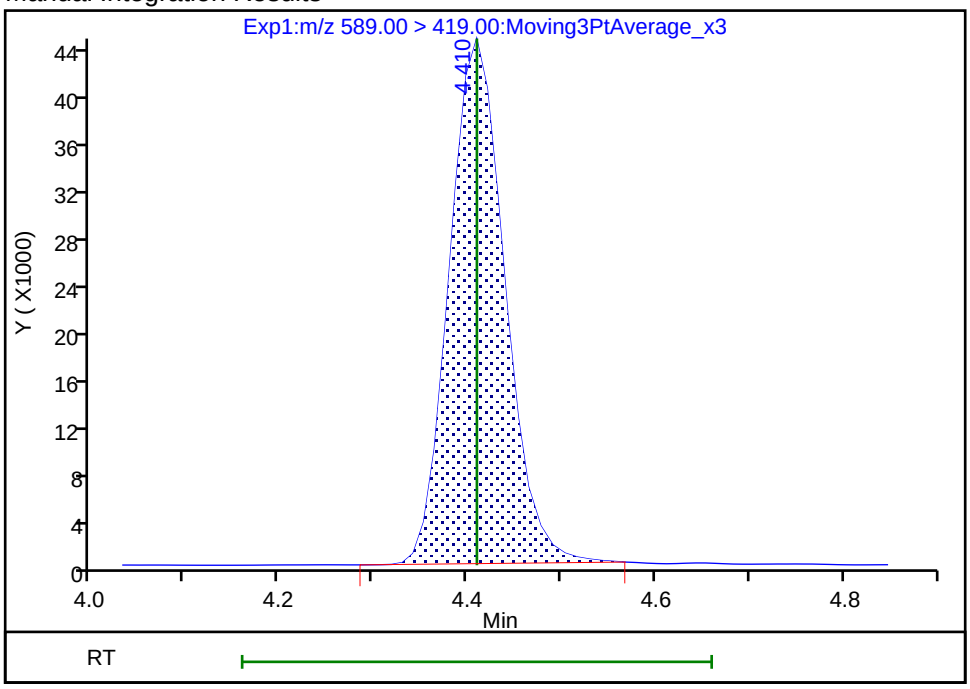
Processing Integration Results

RT: 4.41
Area: 185089
Amount: 1.238722
Amount Units: ng/ml



Manual Integration Results

RT: 4.41
Area: 183559
Amount: 1.230162
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:13:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

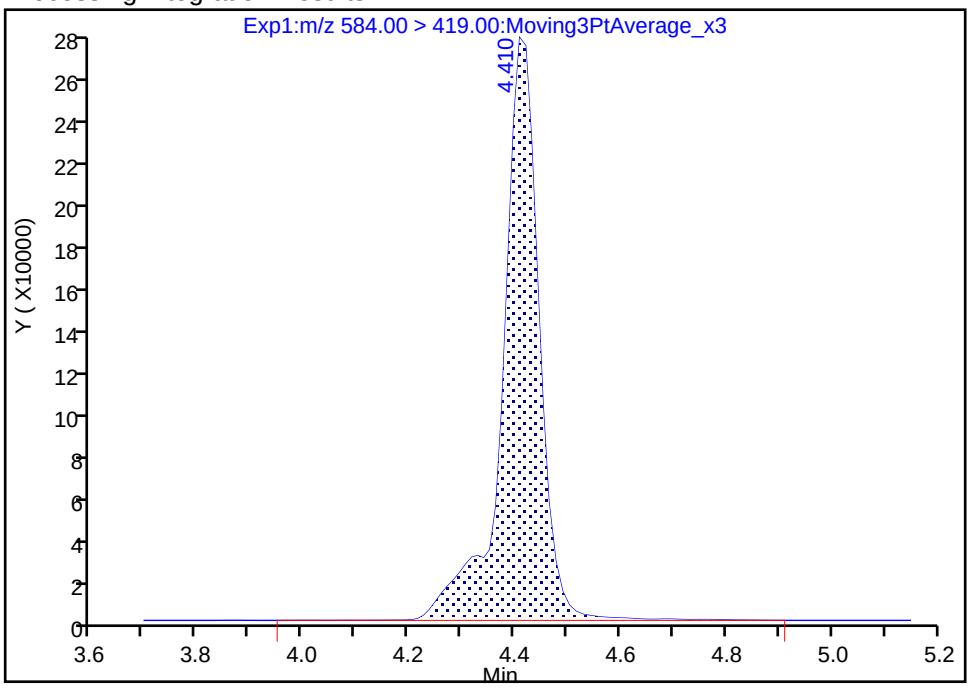
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

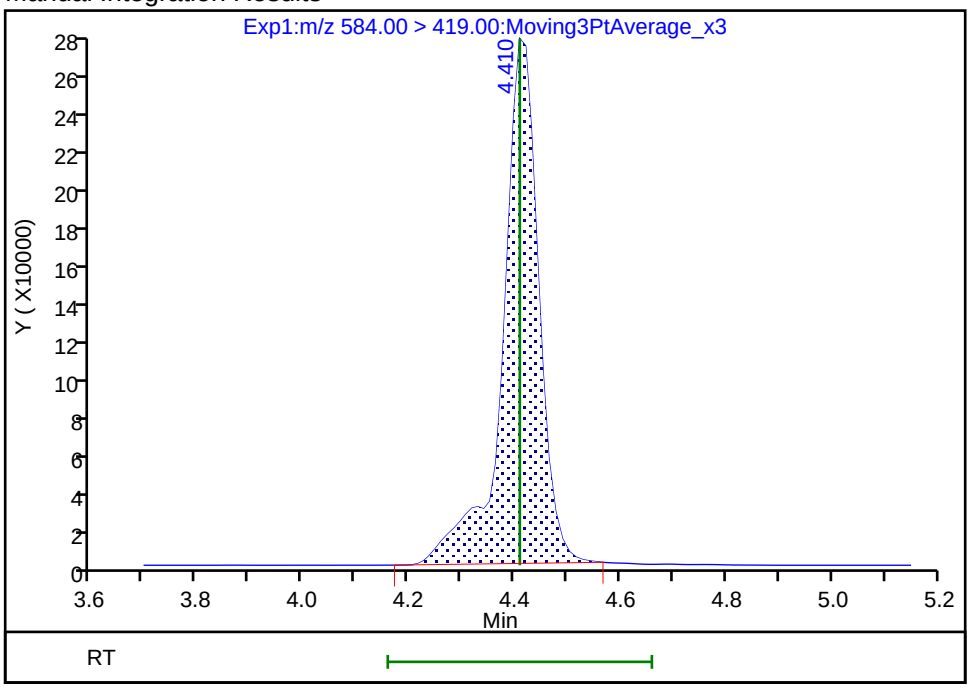
Processing Integration Results

RT: 4.41
Area: 1344767
Amount: 9.980829
Amount Units: ng/ml



Manual Integration Results

RT: 4.41
Area: 1315871
Amount: 9.869656
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:13:02
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

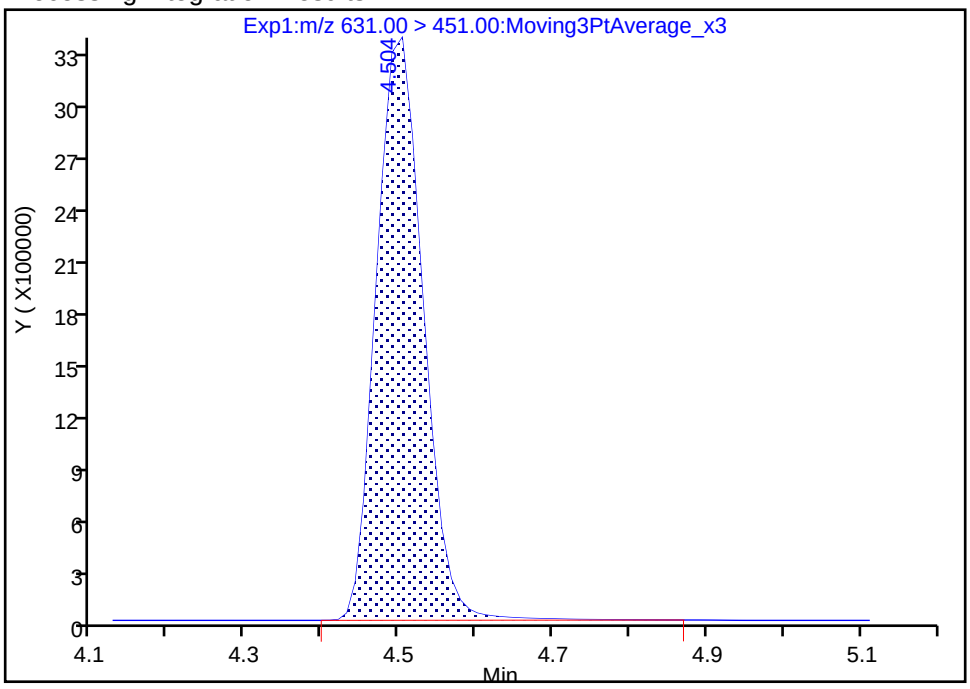
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

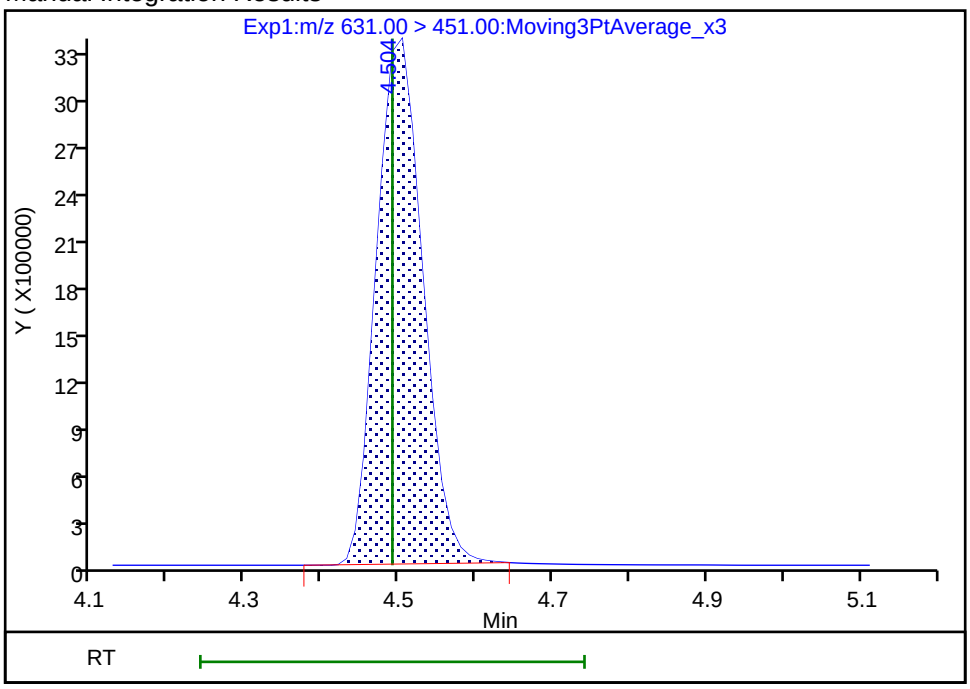
Processing Integration Results

RT: 4.50
Area: 14136157
Amount: 8.930308
Amount Units: ng/ml



Manual Integration Results

RT: 4.50
Area: 13952793
Amount: 8.832573
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:13:11
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

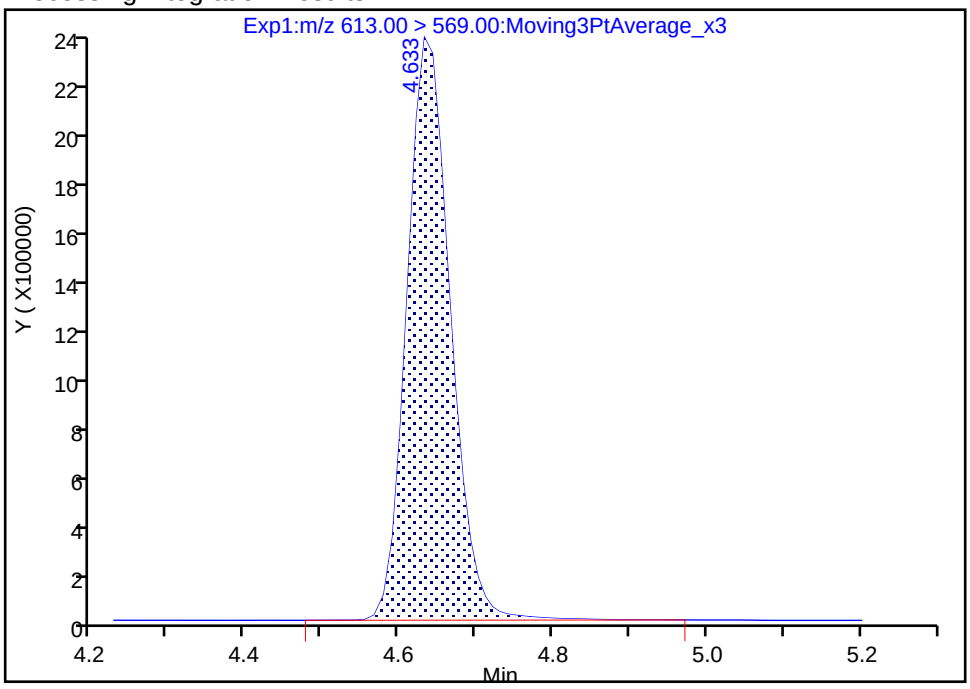
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d				
Injection Date:	03-Aug-2022 13:41:11	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

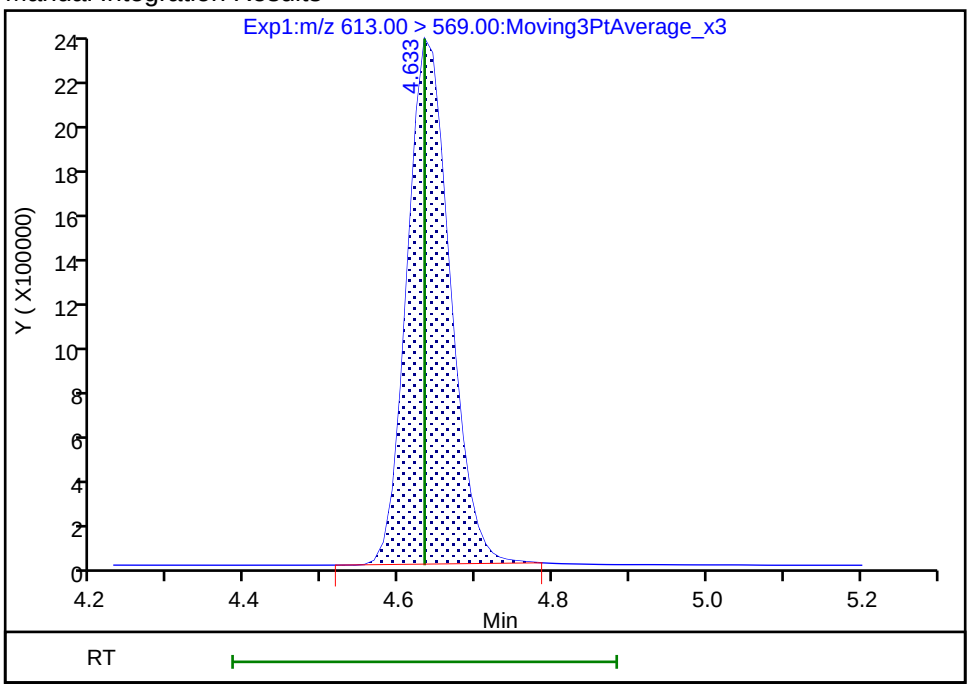
Processing Integration Results

RT: 4.63
Area: 9347248
Amount: 9.510128
Amount Units: ng/ml



Manual Integration Results

RT: 4.63
Area: 9235605
Amount: 9.414362
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:13:17

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

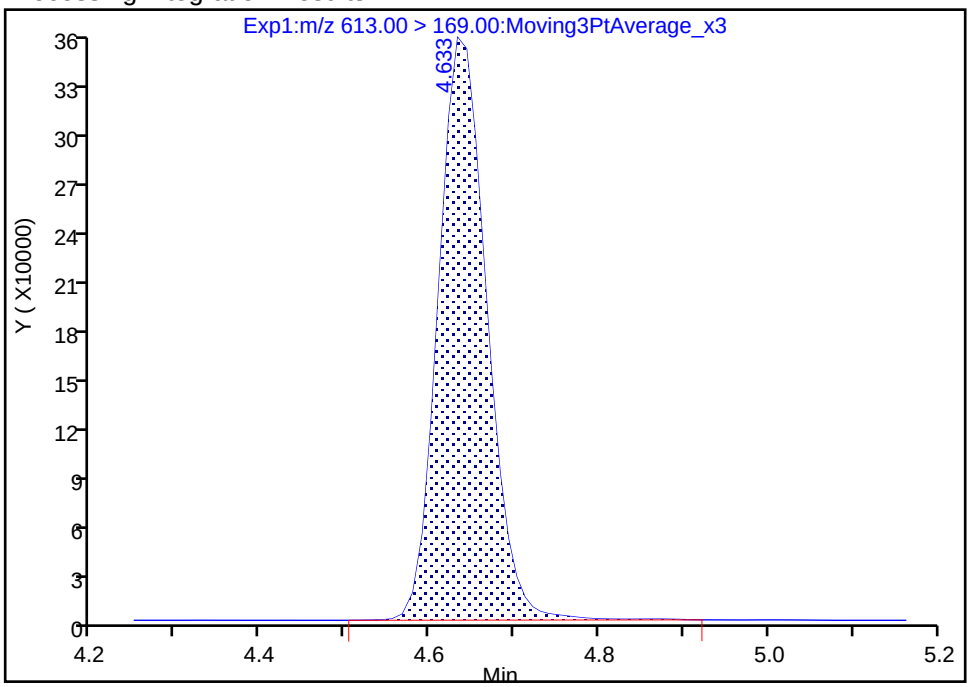
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

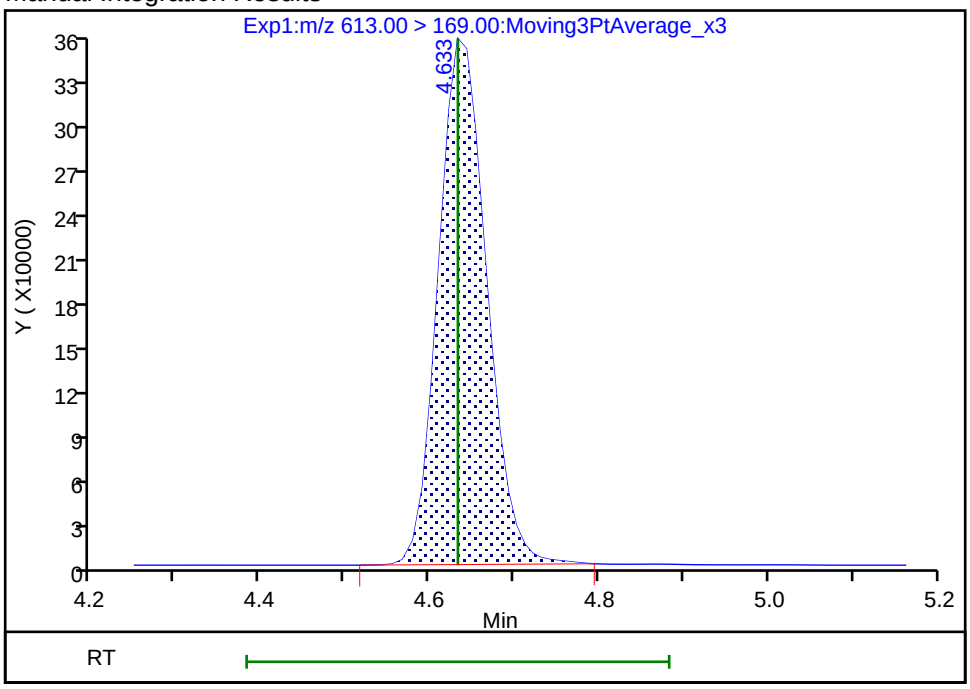
Processing Integration Results

RT: 4.63
Area: 1418381
Amount: 9.510128
Amount Units: ng/ml



Manual Integration Results

RT: 4.63
Area: 1408846
Amount: 9.414362
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:13:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

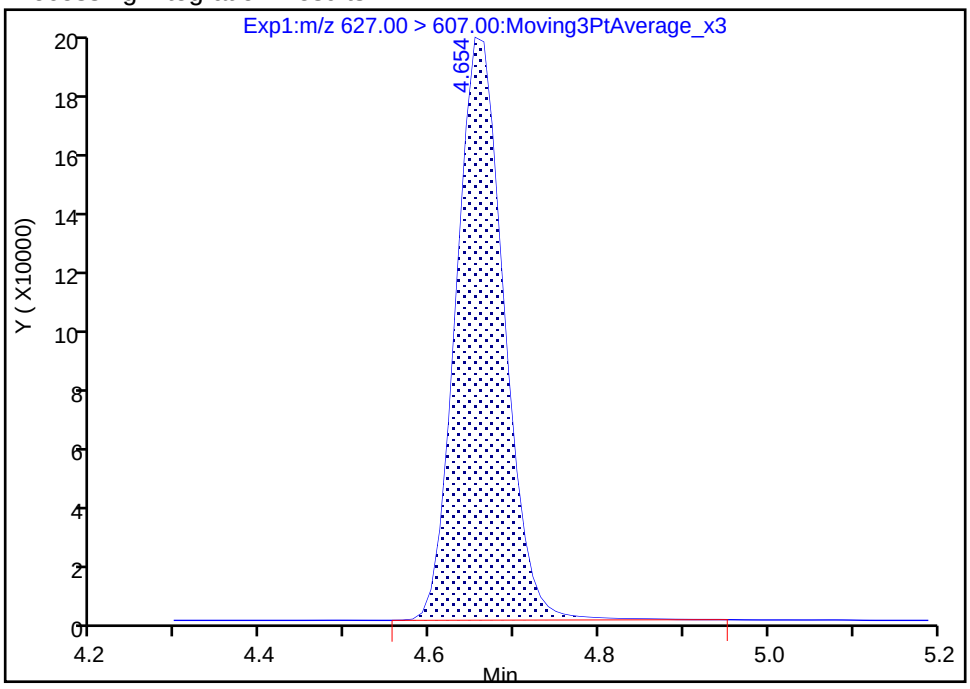
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

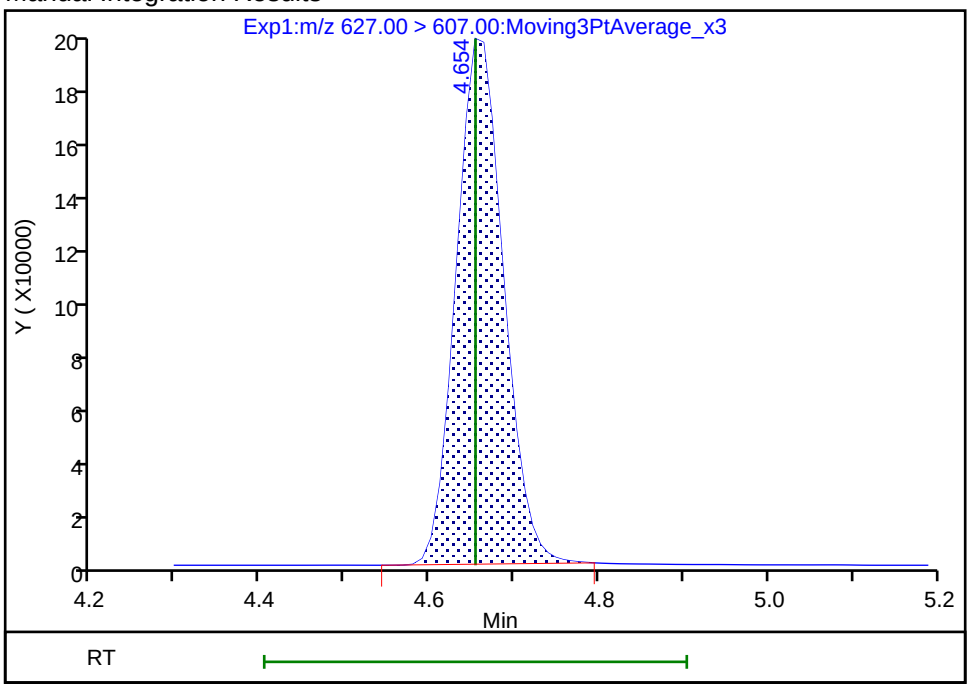
Processing Integration Results

RT: 4.65
Area: 753335
Amount: 9.004924
Amount Units: ng/ml



Manual Integration Results

RT: 4.65
Area: 745570
Amount: 8.926431
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:13:27
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

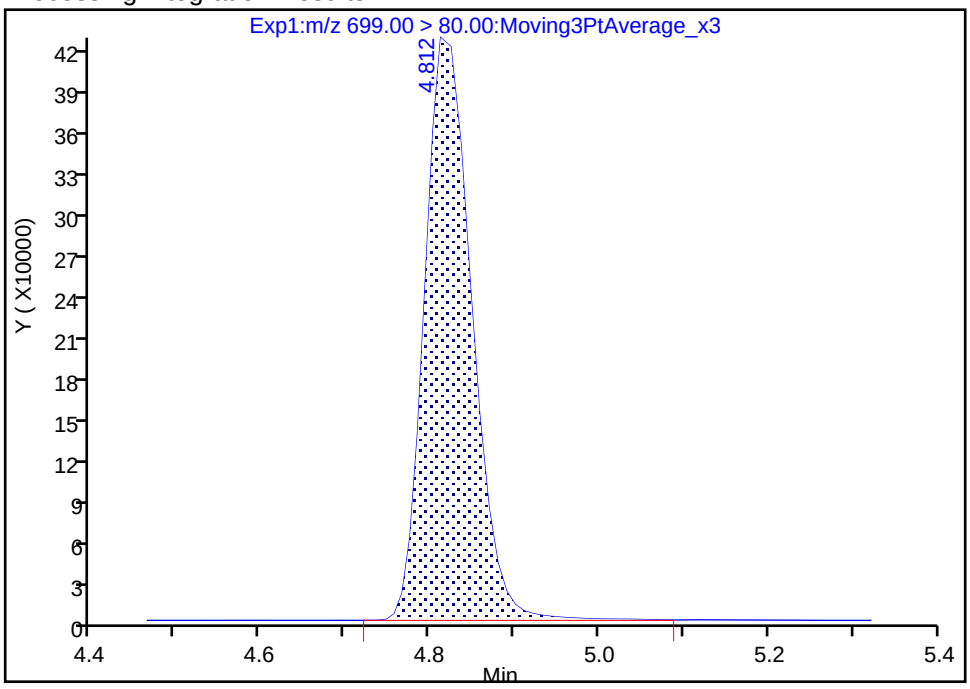
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d				
Injection Date:	03-Aug-2022 13:41:11	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

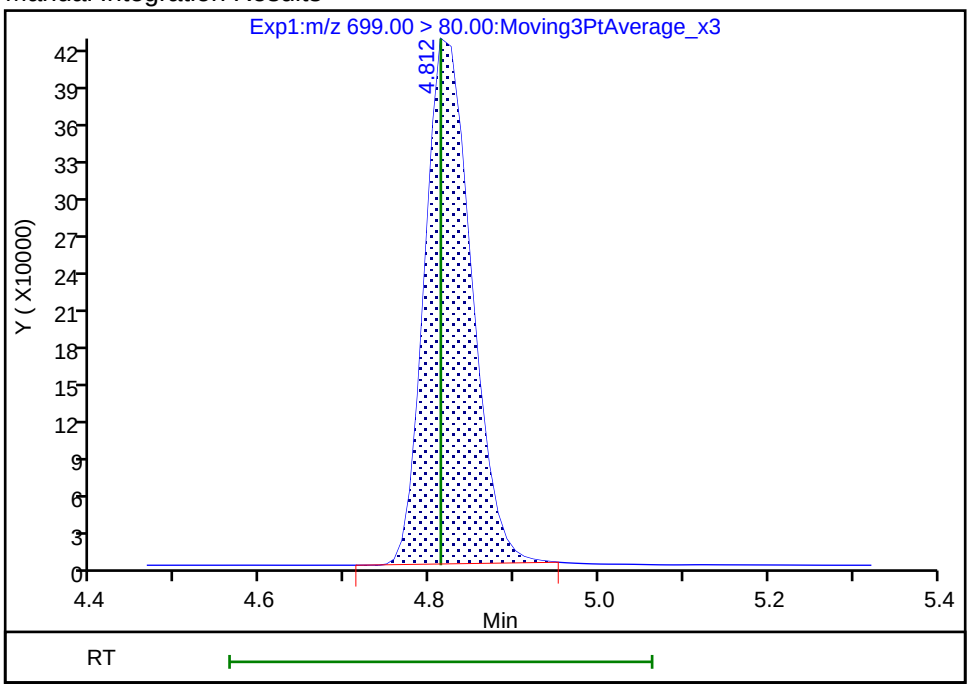
Processing Integration Results

RT: 4.81
Area: 1655766
Amount: 9.292685
Amount Units: ng/ml



Manual Integration Results

RT: 4.81
Area: 1630442
Amount: 9.173006
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:13:32

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

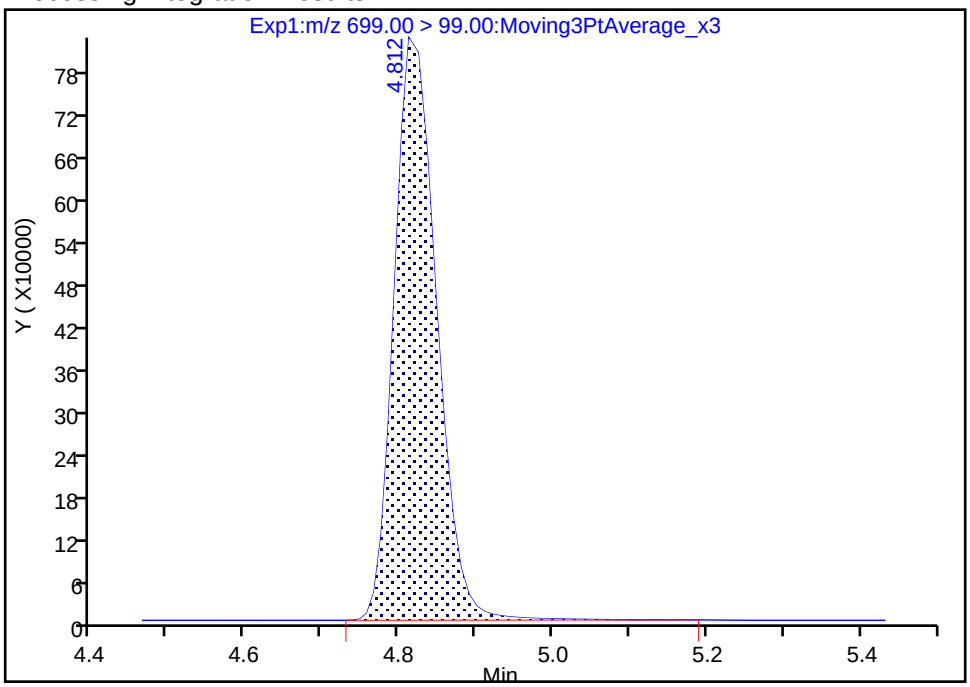
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 2

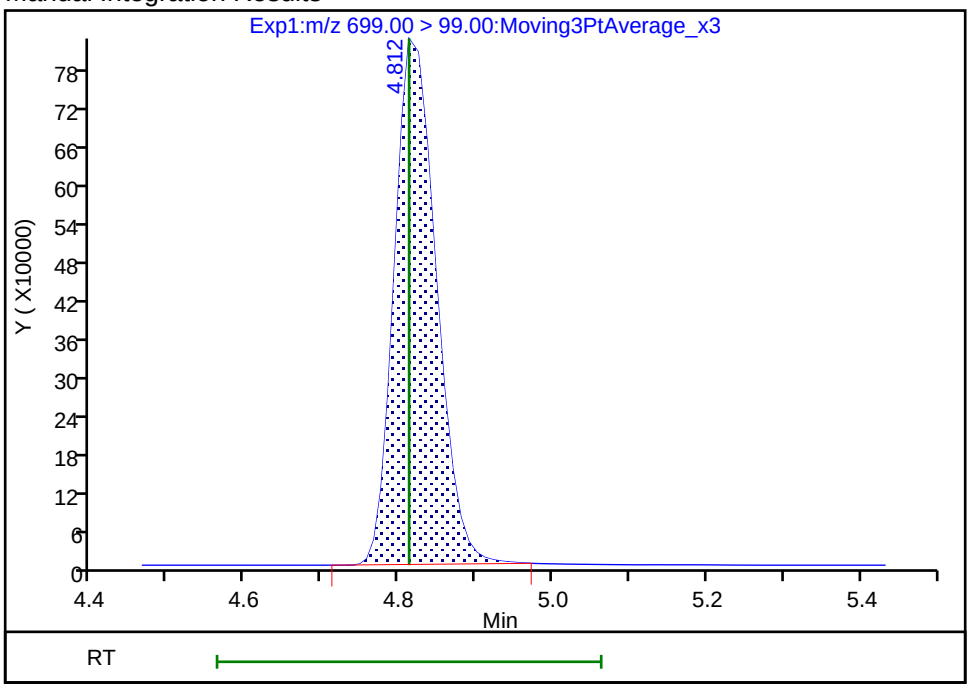
Processing Integration Results

RT: 4.81
Area: 3159864
Amount: 9.292685
Amount Units: ng/ml



Manual Integration Results

RT: 4.81
Area: 3129781
Amount: 9.173006
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:13:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

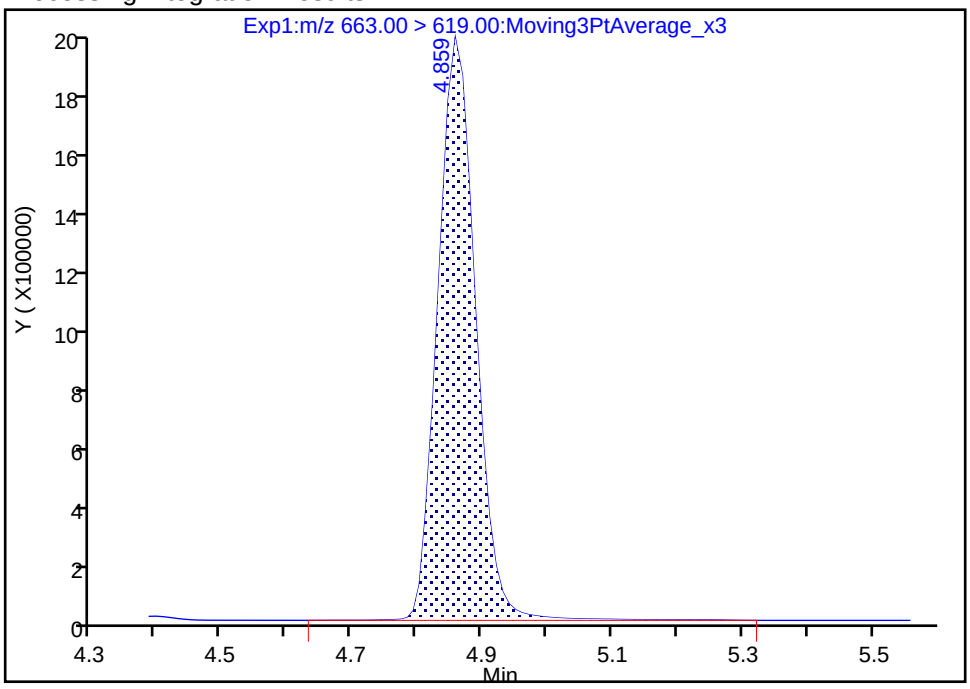
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

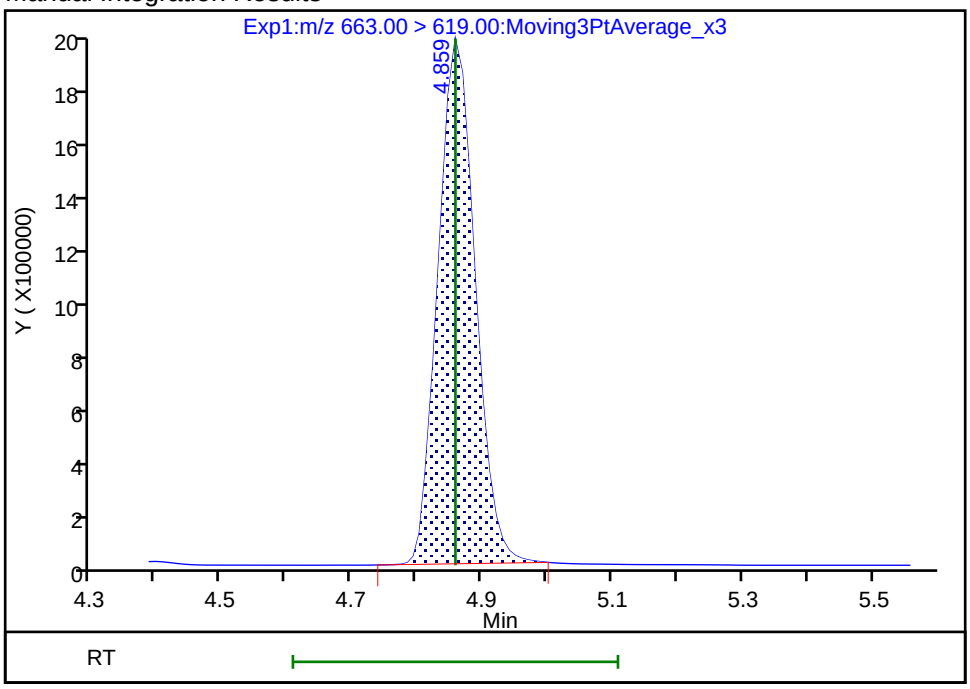
Processing Integration Results

RT: 4.86
Area: 7731410
Amount: 9.065328
Amount Units: ng/ml



Manual Integration Results

RT: 4.86
Area: 7584486
Amount: 8.918662
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:13:39
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

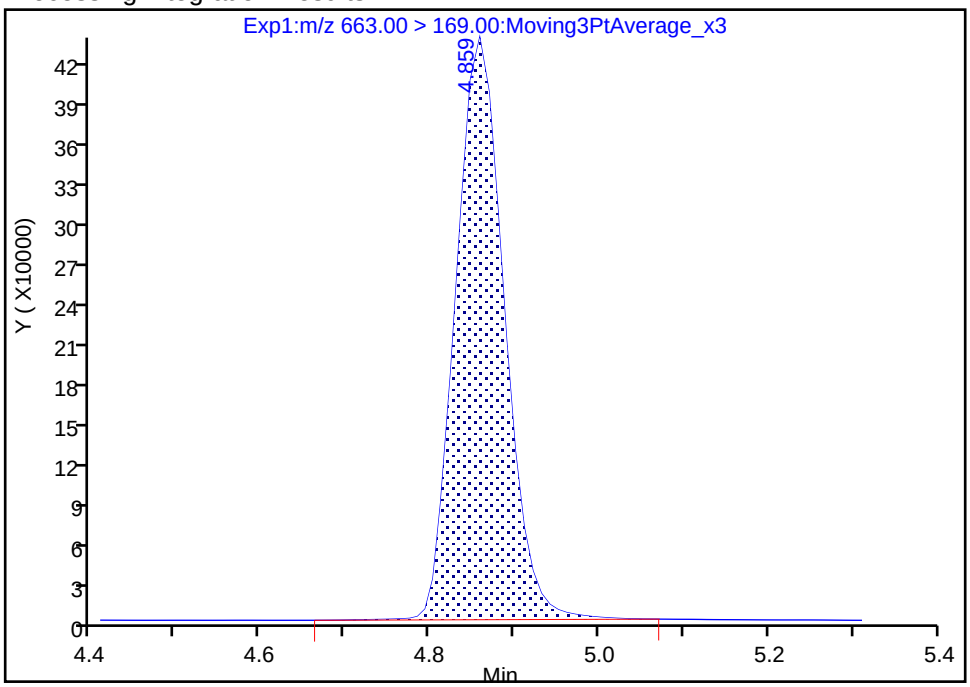
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d				
Injection Date:	03-Aug-2022 13:41:11	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

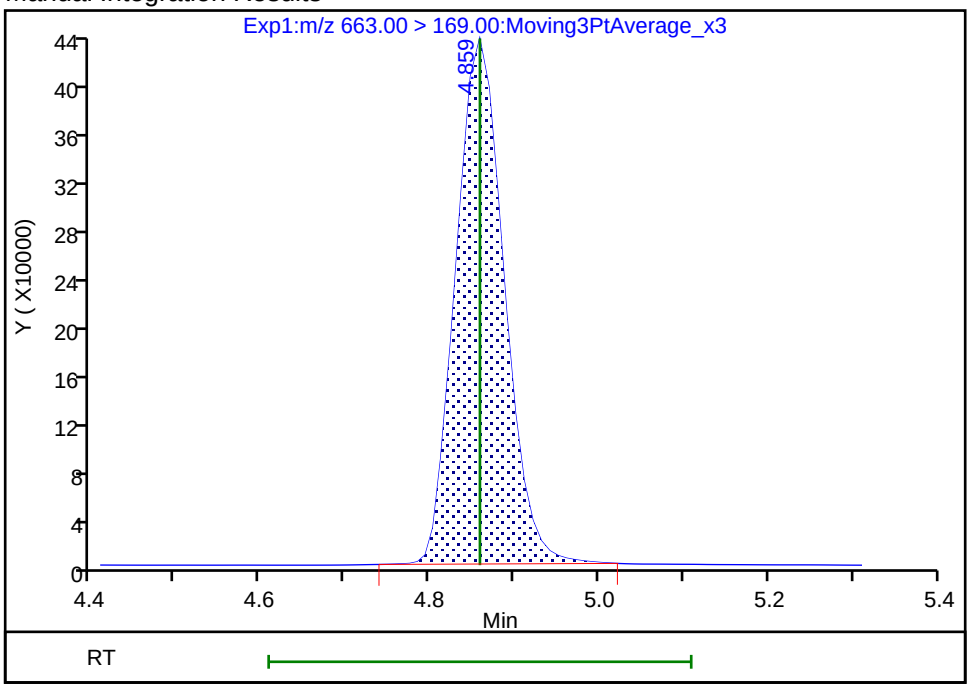
Processing Integration Results

RT: 4.86
Area: 1733789
Amount: 9.065328
Amount Units: ng/ml



Manual Integration Results

RT: 4.86
Area: 1722893
Amount: 8.918662
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:13:43

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

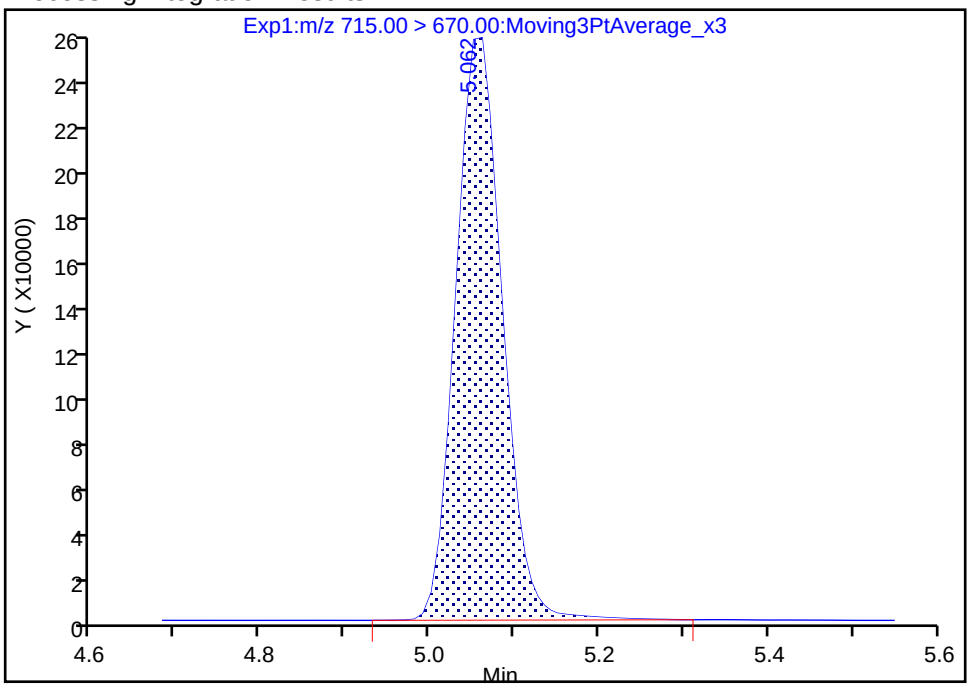
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

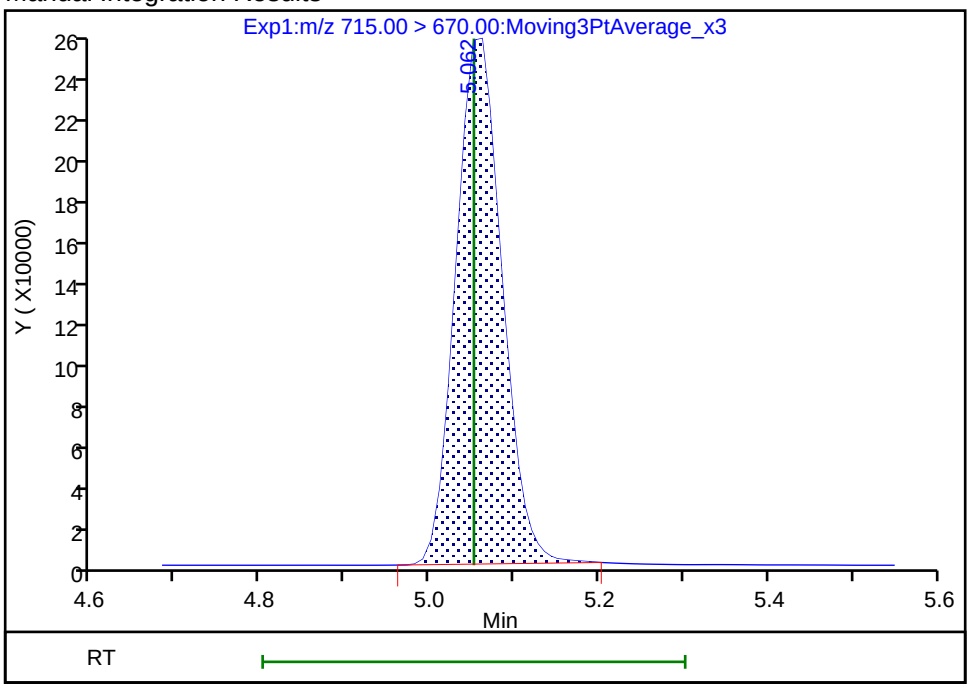
Processing Integration Results

RT: 5.06
Area: 960549
Amount: 1.269935
Amount Units: ng/ml



Manual Integration Results

RT: 5.06
Area: 949490
Amount: 1.257766
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:13:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

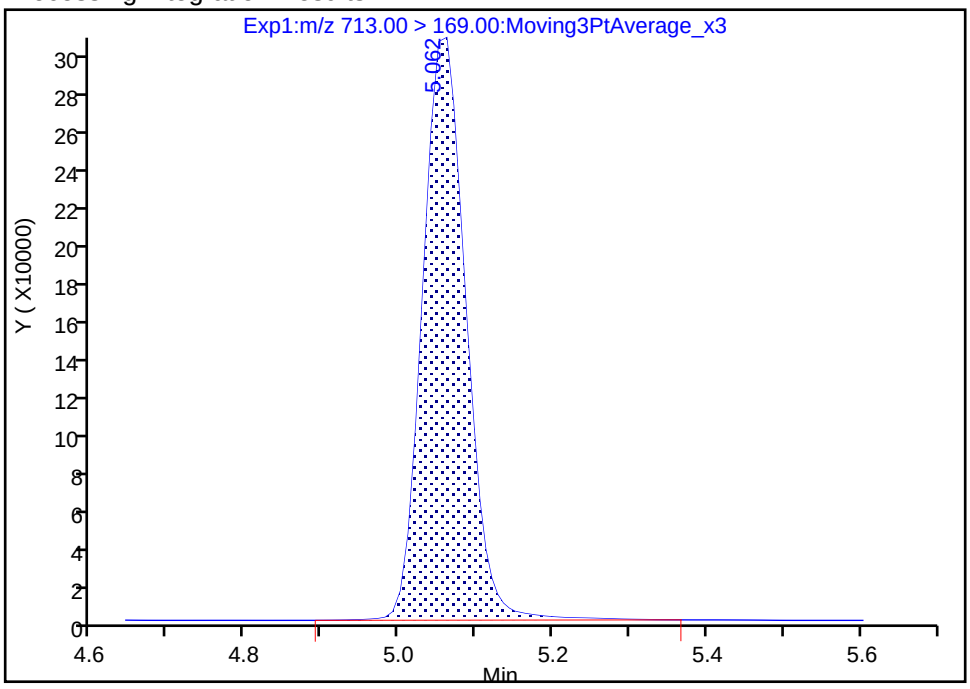
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d				
Injection Date:	03-Aug-2022 13:41:11	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

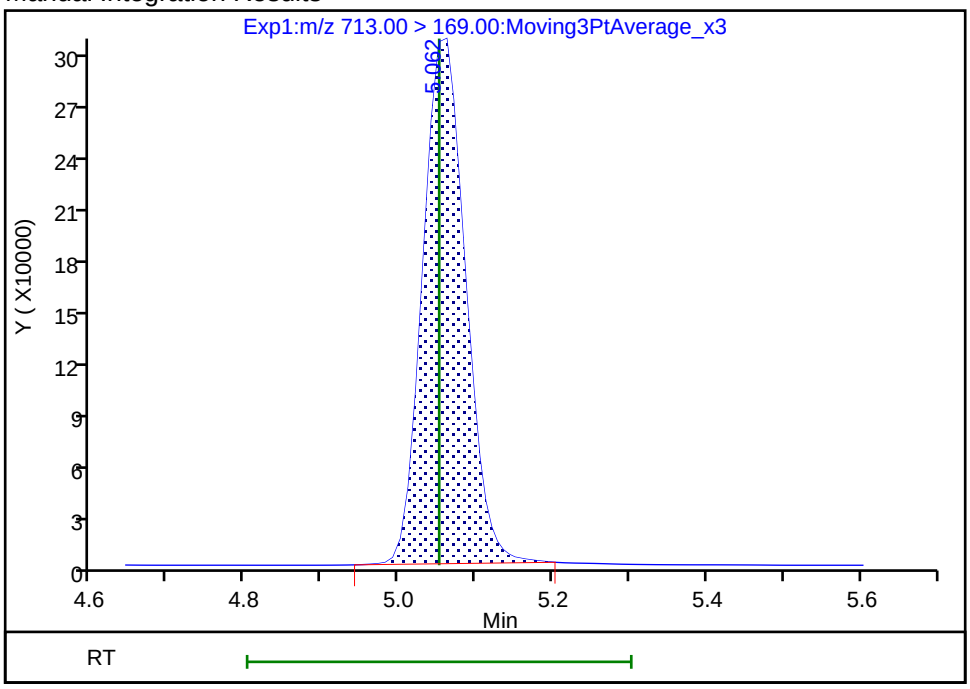
Processing Integration Results

RT: 5.06
Area: 1182750
Amount: 9.693925
Amount Units: ng/ml



Manual Integration Results

RT: 5.06
Area: 1163895
Amount: 9.564021
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:13:53
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

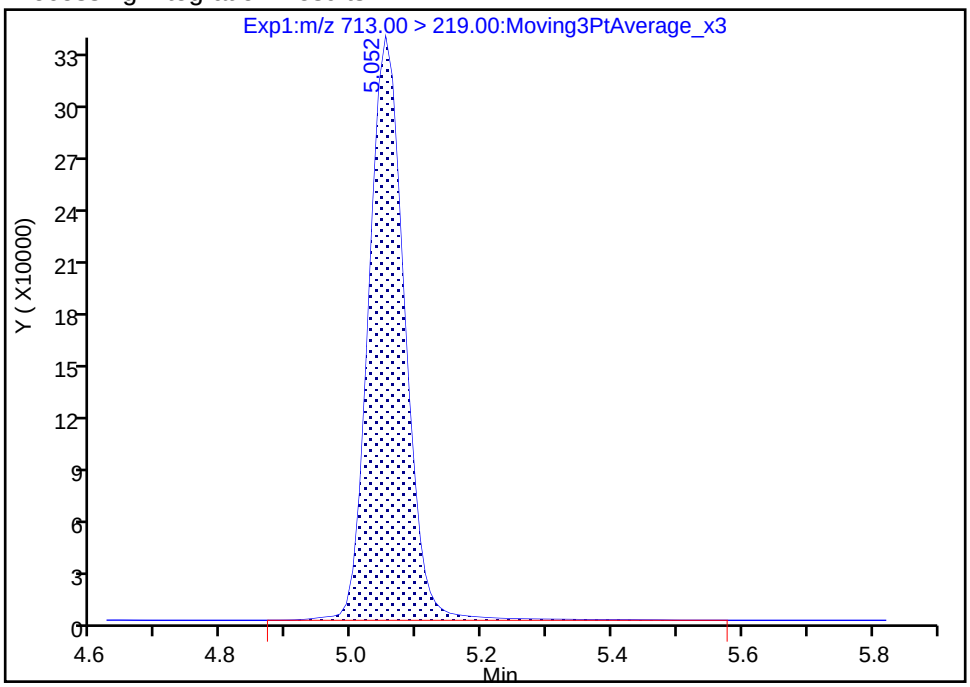
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

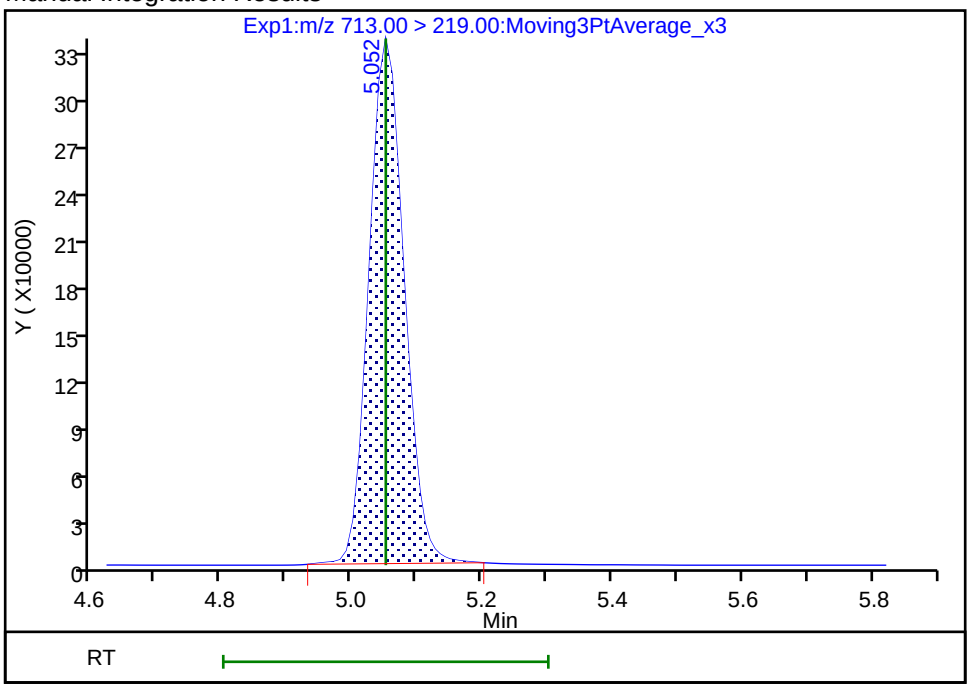
Processing Integration Results

RT: 5.05
Area: 1278596
Amount: 9.693925
Amount Units: ng/ml



Manual Integration Results

RT: 5.05
Area: 1252704
Amount: 9.564021
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:13:57
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

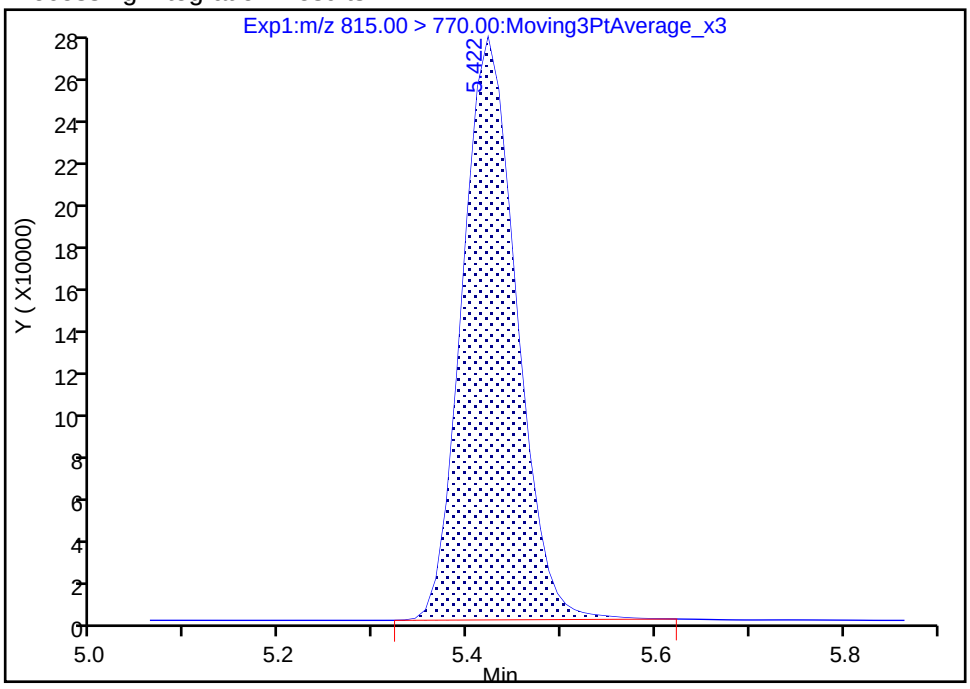
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d				
Injection Date:	03-Aug-2022 13:41:11	Instrument ID:	LC812		
Lims ID:	IC				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	7	Worklist Smp#:	10
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

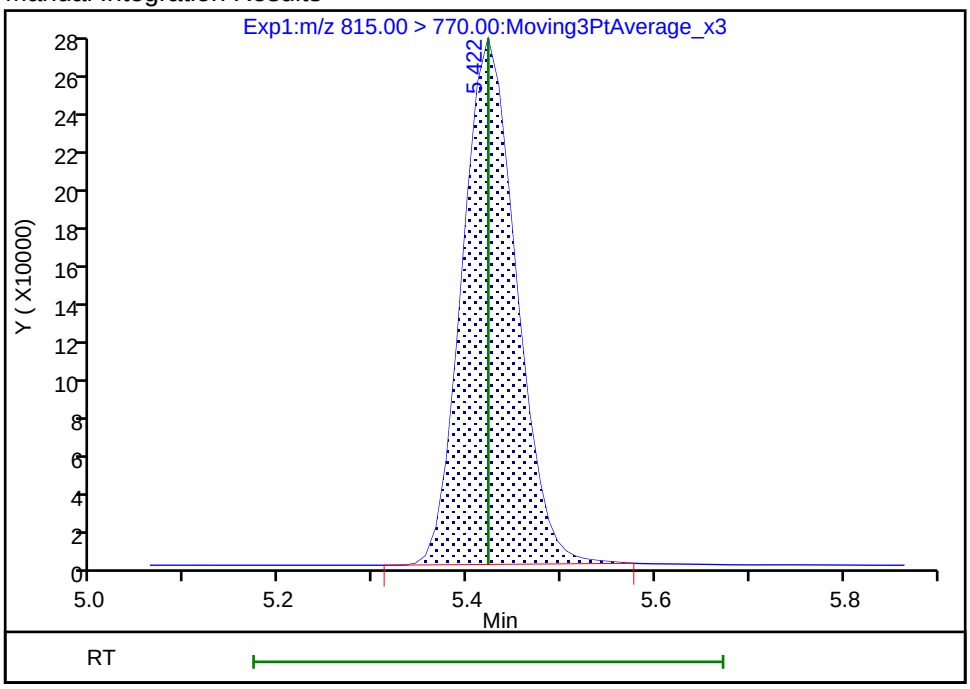
Processing Integration Results

RT: 5.42
Area: 1084390
Amount: 1.260184
Amount Units: ng/ml



Manual Integration Results

RT: 5.42
Area: 1080090
Amount: 1.256024
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:14:11
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

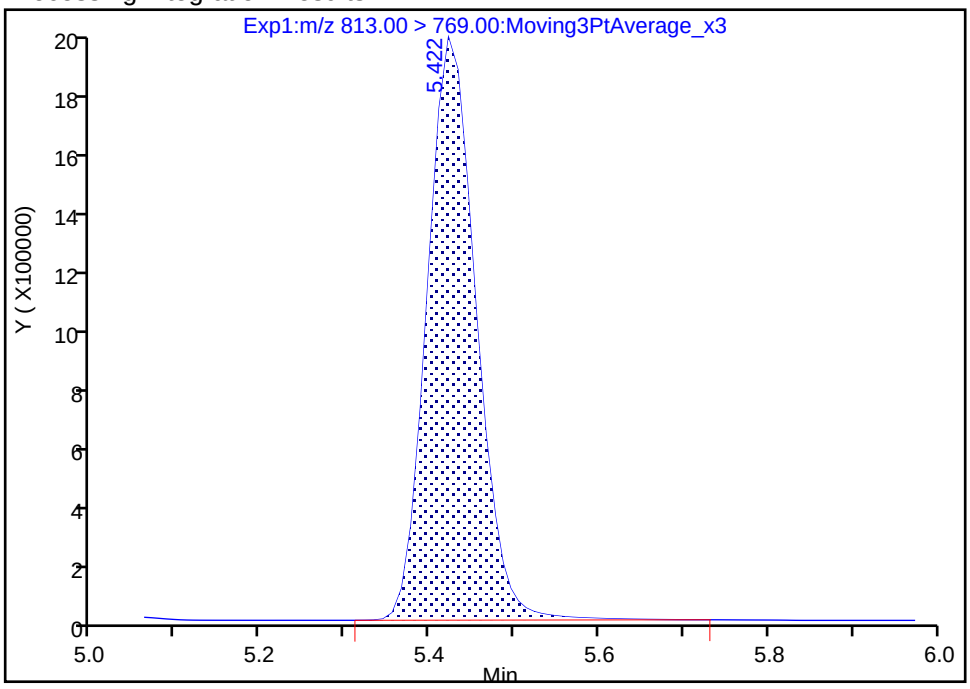
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

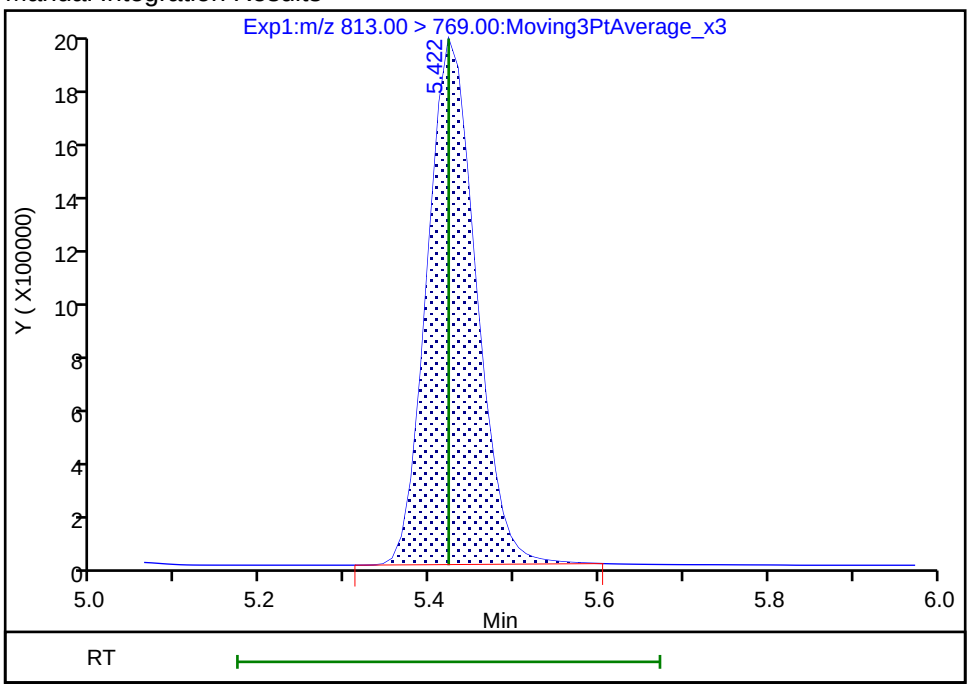
Processing Integration Results

RT: 5.42
Area: 7776335
Amount: 9.985764
Amount Units: ng/ml



Manual Integration Results

RT: 5.42
Area: 7724125
Amount: 9.978557
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:14:01
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

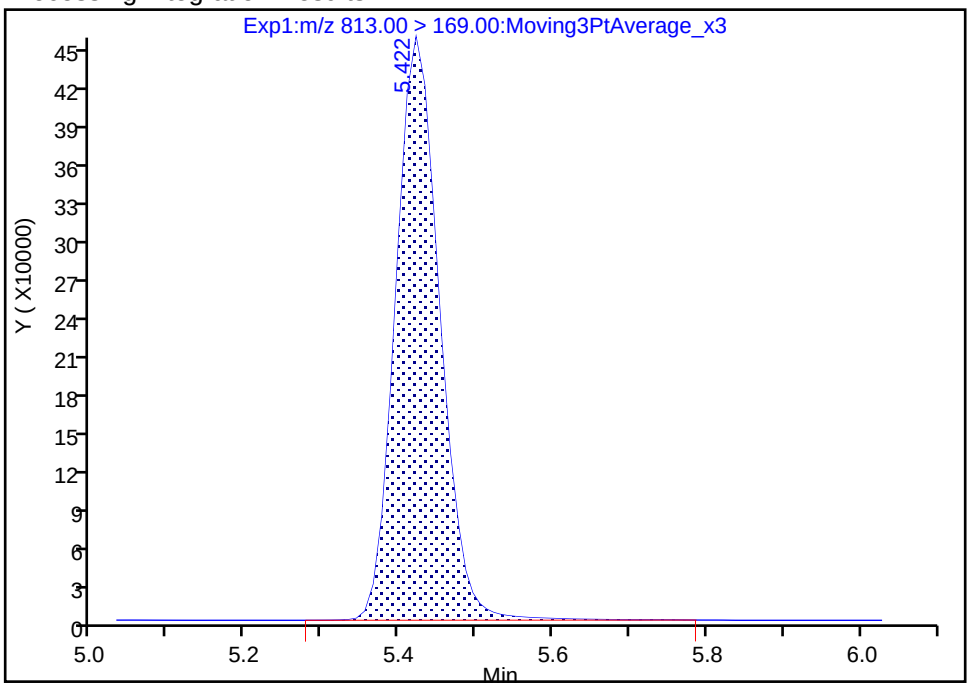
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

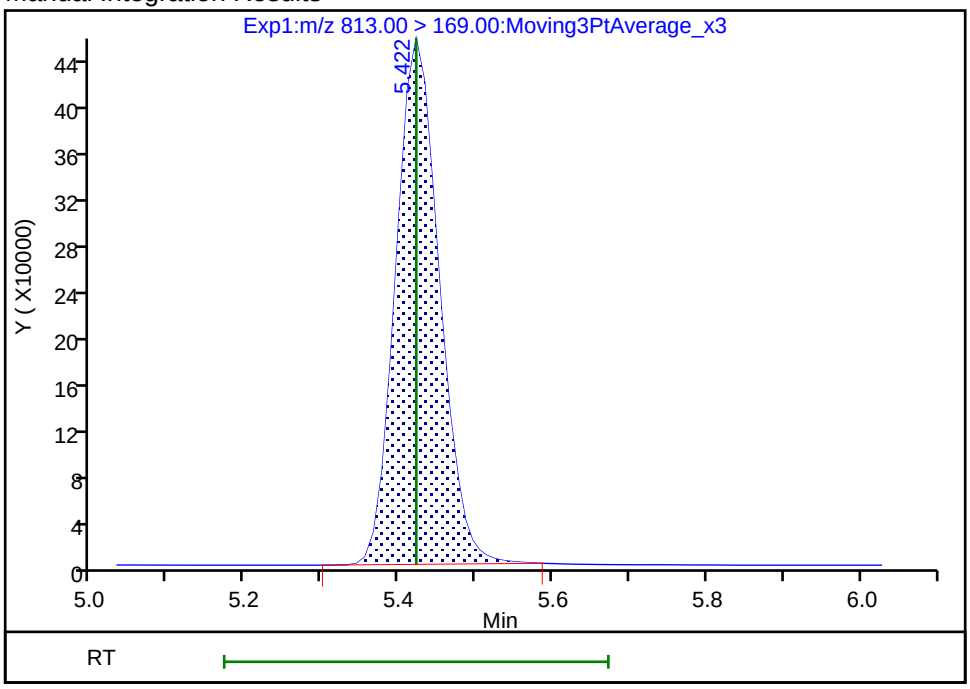
Processing Integration Results

RT: 5.42
Area: 1820798
Amount: 9.985764
Amount Units: ng/ml



Manual Integration Results

RT: 5.42
Area: 1801906
Amount: 9.978557
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:14:06
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

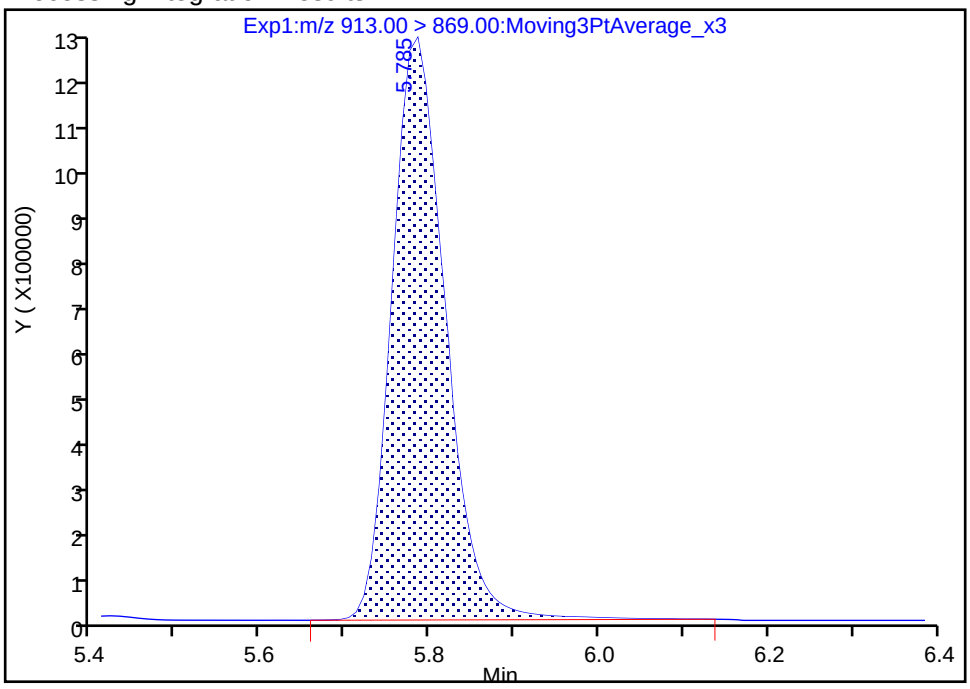
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

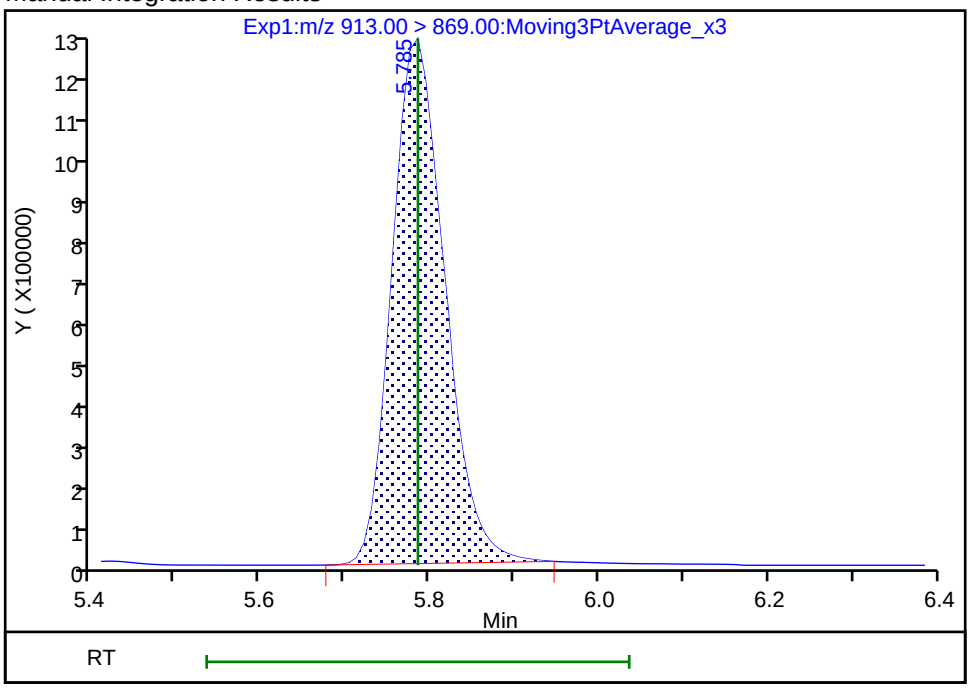
Processing Integration Results

RT: 5.79
Area: 5347373
Amount: 9.283155
Amount Units: ng/ml



Manual Integration Results

RT: 5.79
Area: 5256805
Amount: 9.149904
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:14:15
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

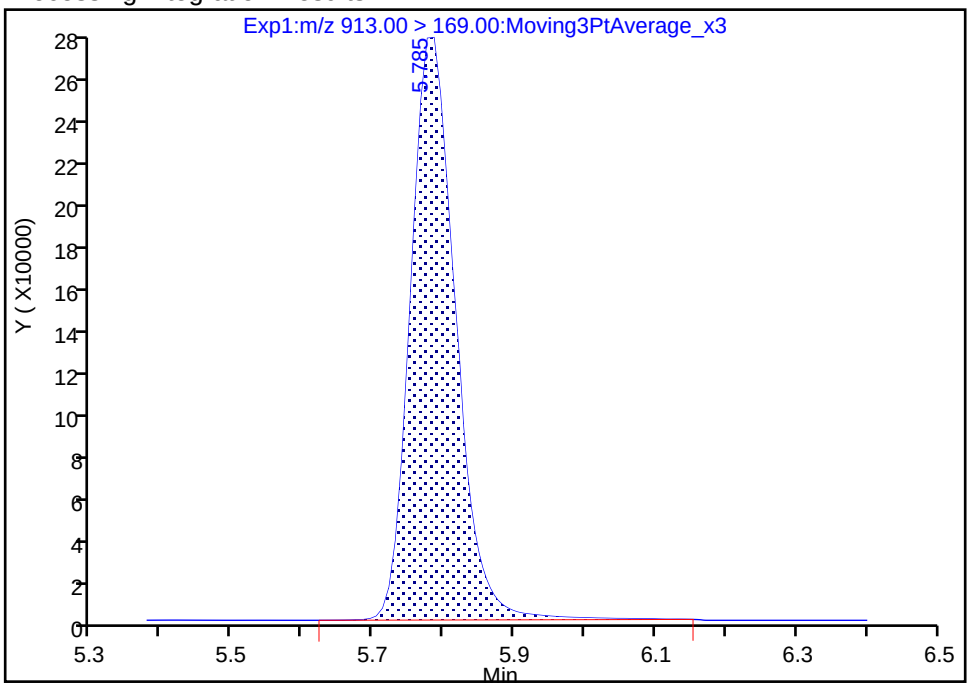
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d
Injection Date: 03-Aug-2022 13:41:11 Instrument ID: LC812
Lims ID: IC
Client ID:
Operator ID: lc812tech ALS Bottle#: 7 Worklist Smp#: 10
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

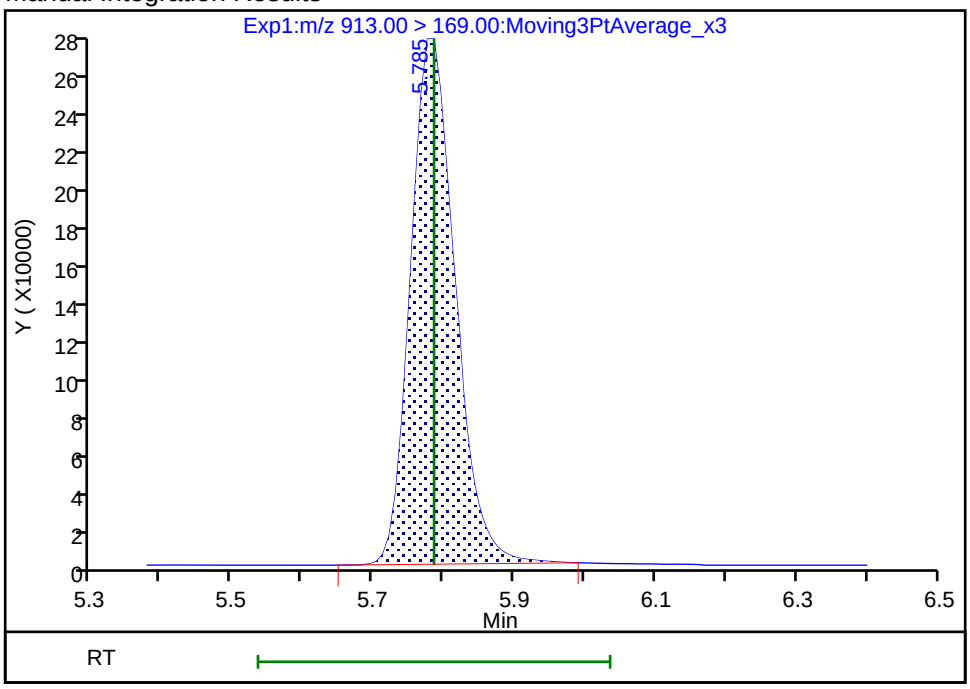
Processing Integration Results

RT: 5.79
Area: 1219269
Amount: 9.283155
Amount Units: ng/ml



Manual Integration Results

RT: 5.79
Area: 1205334
Amount: 9.149904
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 14:14:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

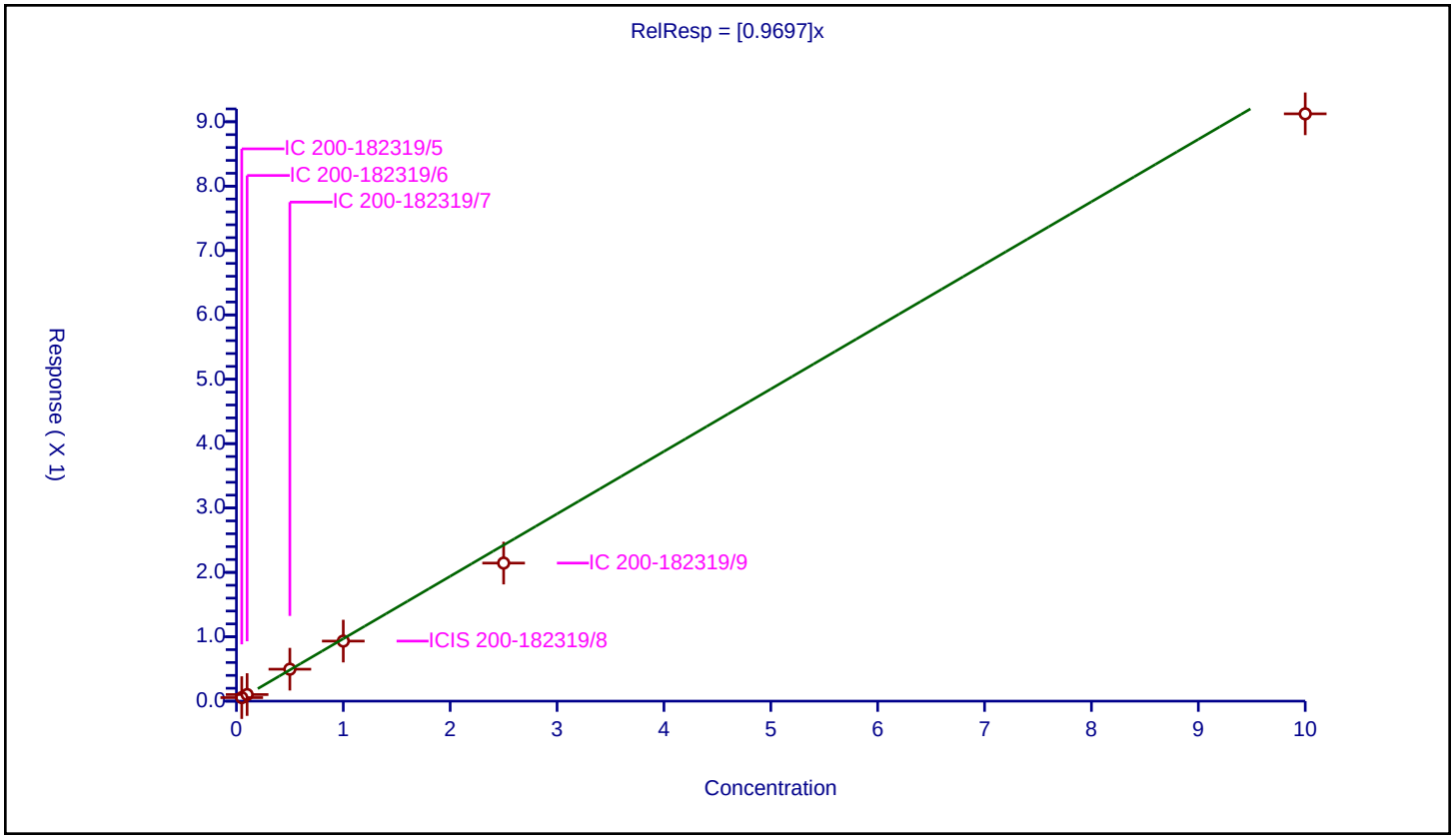
Curve Coefficients

Intercept:	0
Slope:	0.9697

Error Coefficients

Standard Error:	6110000
Relative Standard Error:	8.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.054973	1.25	1801086.0	1.099462	Y
2	IC 200-182319/6	0.1	0.102292	1.25	1889069.0	1.022925	Y
3	IC 200-182319/7	0.5	0.496265	1.25	1792010.0	0.992531	Y
4	ICIS 200-182319/8	1.0	0.932949	1.25	1990166.0	0.932949	Y
5	IC 200-182319/9	2.5	2.144777	1.25	1857803.0	0.857911	Y
6	IC 200-182319/10	10.0	9.123656	1.25	1806199.0	0.912366	Y



Calibration / Perfluoropentanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

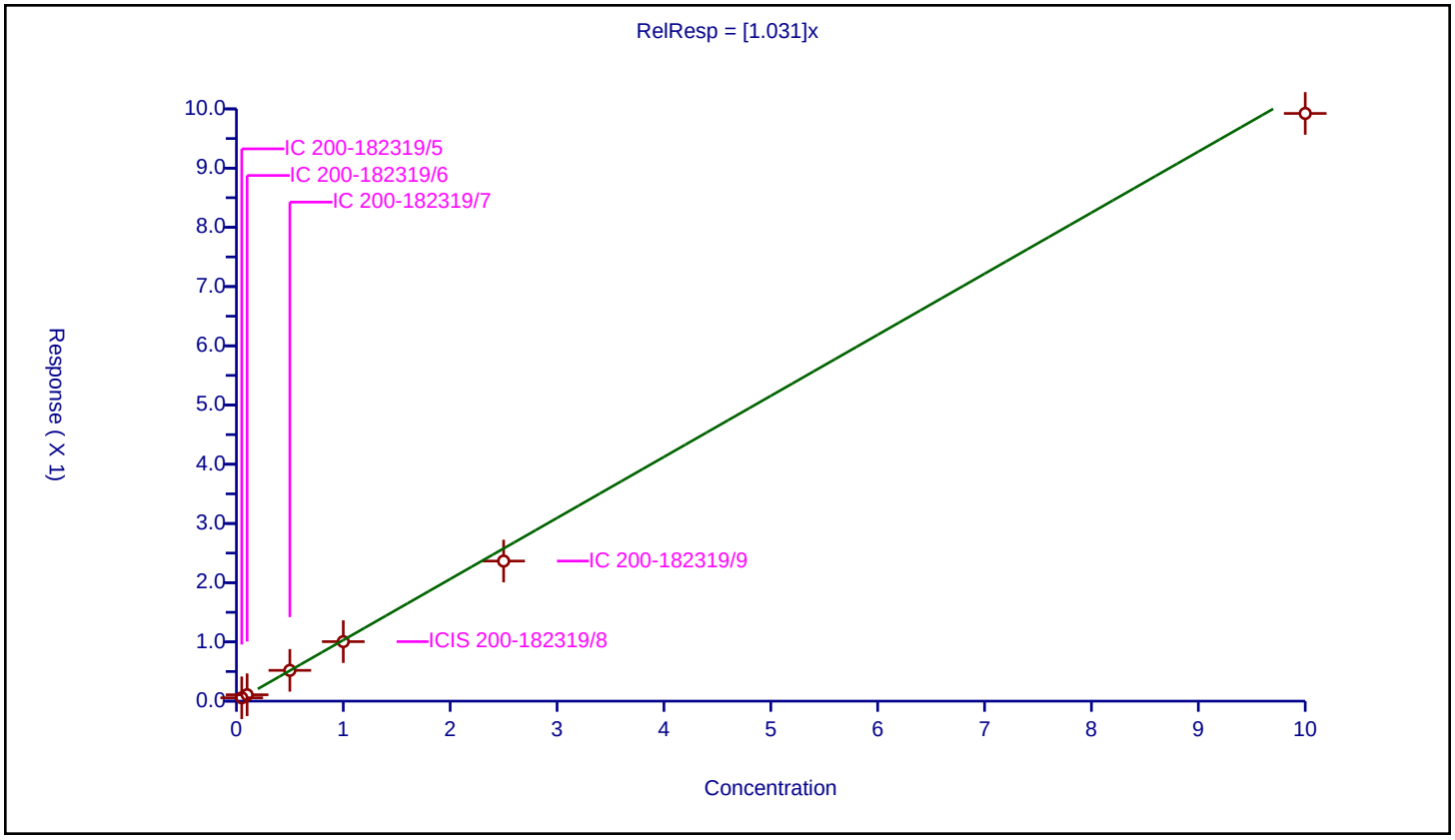
Curve Coefficients

Intercept:	0
Slope:	1.031

Error Coefficients

Standard Error:	5000000
Relative Standard Error:	6.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.056224	1.25	1457461.0	1.12449	Y
2	IC 200-182319/6	0.1	0.10788	1.25	1467520.0	1.078801	Y
3	IC 200-182319/7	0.5	0.519568	1.25	1422776.0	1.039136	Y
4	ICIS 200-182319/8	1.0	1.00488	1.25	1448057.0	1.00488	Y
5	IC 200-182319/9	2.5	2.365051	1.25	1404065.0	0.94602	Y
6	IC 200-182319/10	10.0	9.922991	1.25	1356802.0	0.992299	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

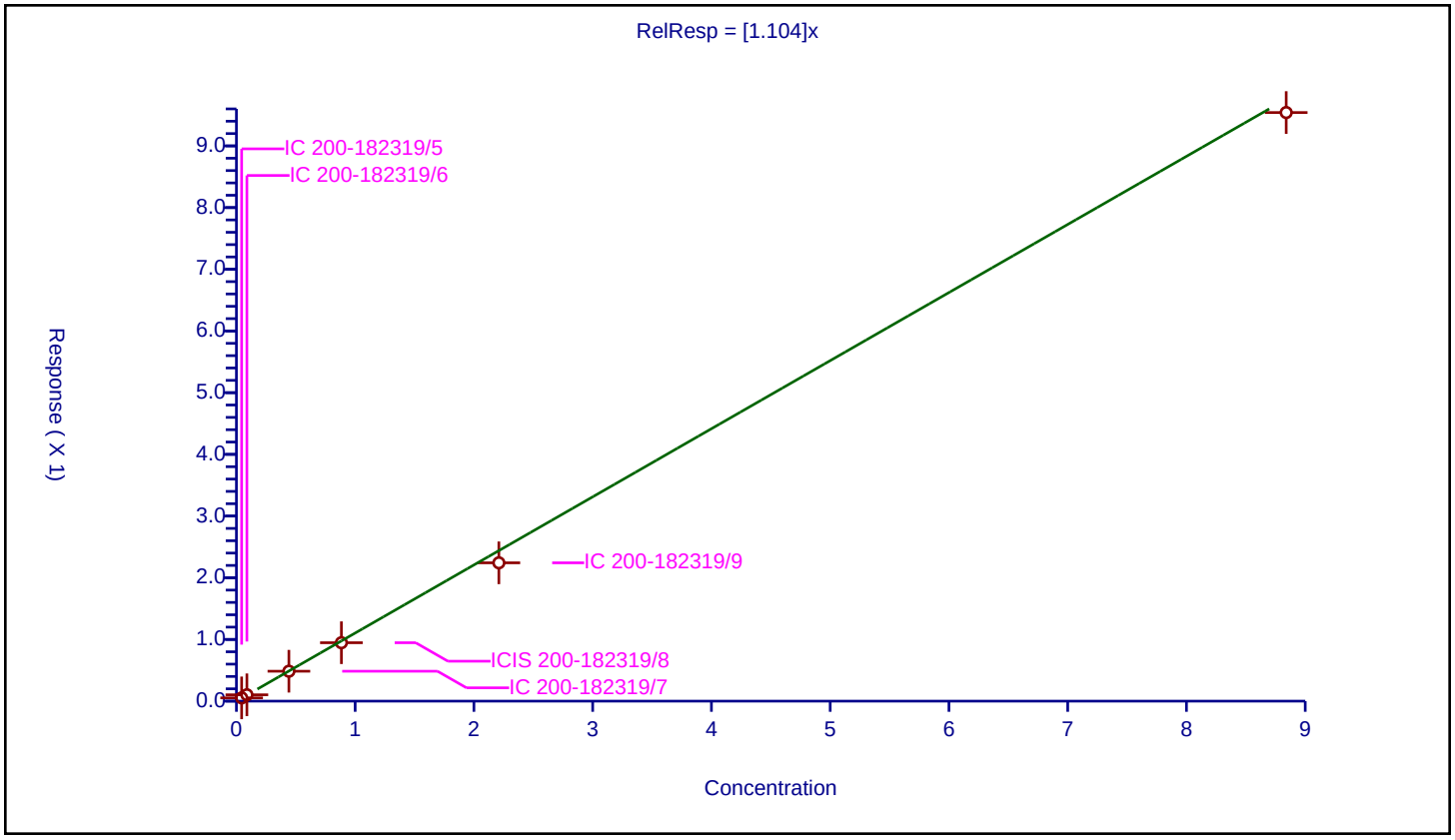
Curve Coefficients

Intercept:	0
Slope:	1.104

Error Coefficients

Standard Error:	5530000
Relative Standard Error:	6.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0442	0.052924	1.1625	1518638.0	1.197366	Y
2	IC 200-182319/6	0.0884	0.102801	1.1625	1552604.0	1.162905	Y
3	IC 200-182319/7	0.442	0.48518	1.1625	1530333.0	1.097692	Y
4	ICIS 200-182319/8	0.884	0.946966	1.1625	1606766.0	1.071229	Y
5	IC 200-182319/9	2.21	2.242248	1.1625	1554917.0	1.014592	Y
6	IC 200-182319/10	8.84	9.540802	1.1625	1451388.0	1.079276	Y



Calibration / 1H,1H,2H,2H-perfluorohexanesulfonic acid (4:2)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

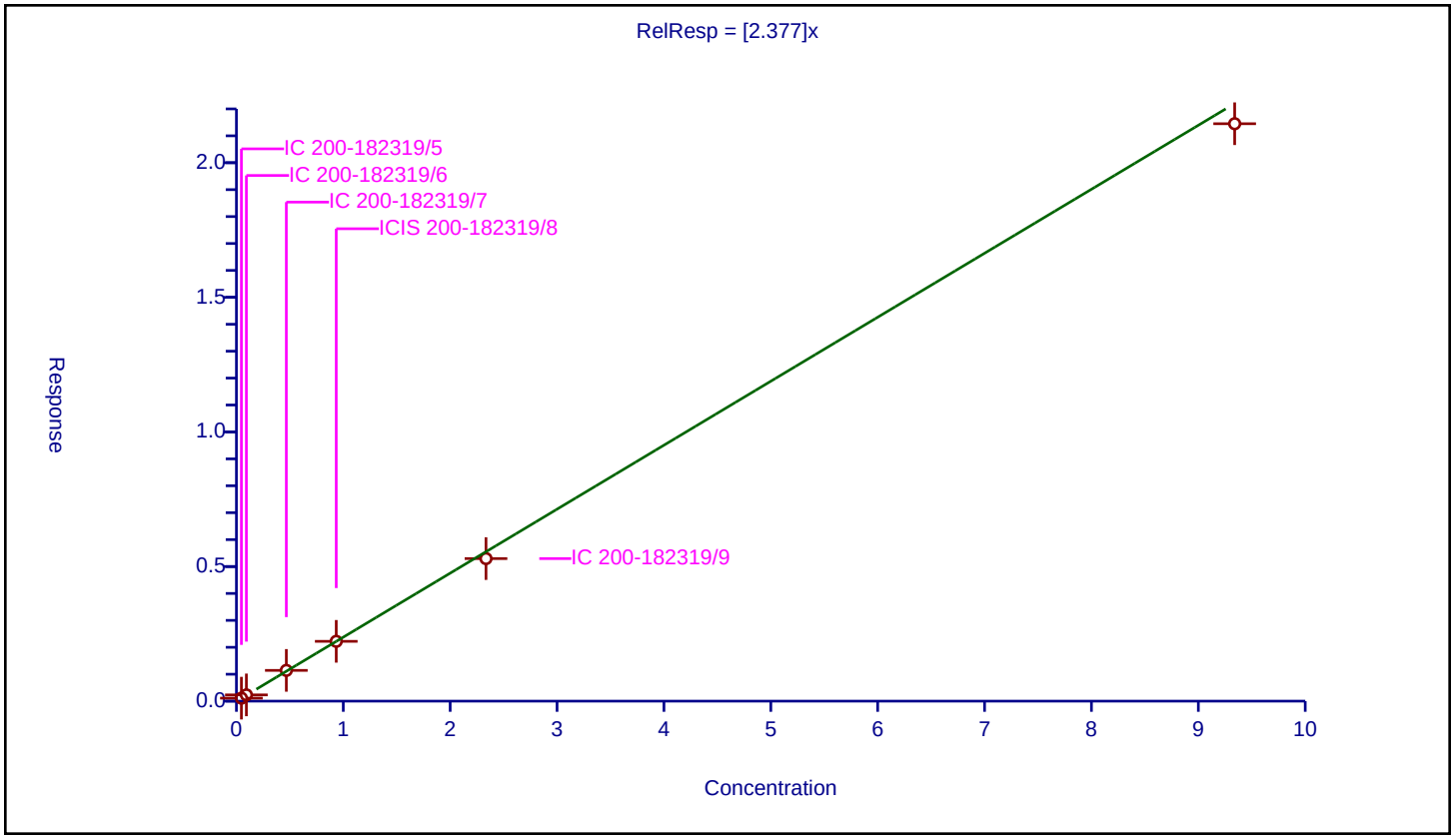
Curve Coefficients

Intercept:	0
Slope:	2.377

Error Coefficients

Standard Error:	1100000
Relative Standard Error:	3.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0467	0.111595	1.1675	128546.0	2.389612	Y
2	IC 200-182319/6	0.0934	0.231848	1.1675	135136.0	2.482314	Y
3	IC 200-182319/7	0.467	1.142353	1.1675	130321.0	2.446152	Y
4	ICIS 200-182319/8	0.934	2.221675	1.1675	139111.0	2.378667	Y
5	IC 200-182319/9	2.335	5.295352	1.1675	134930.0	2.267817	Y
6	IC 200-182319/10	9.34	21.449181	1.1675	128662.0	2.296486	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

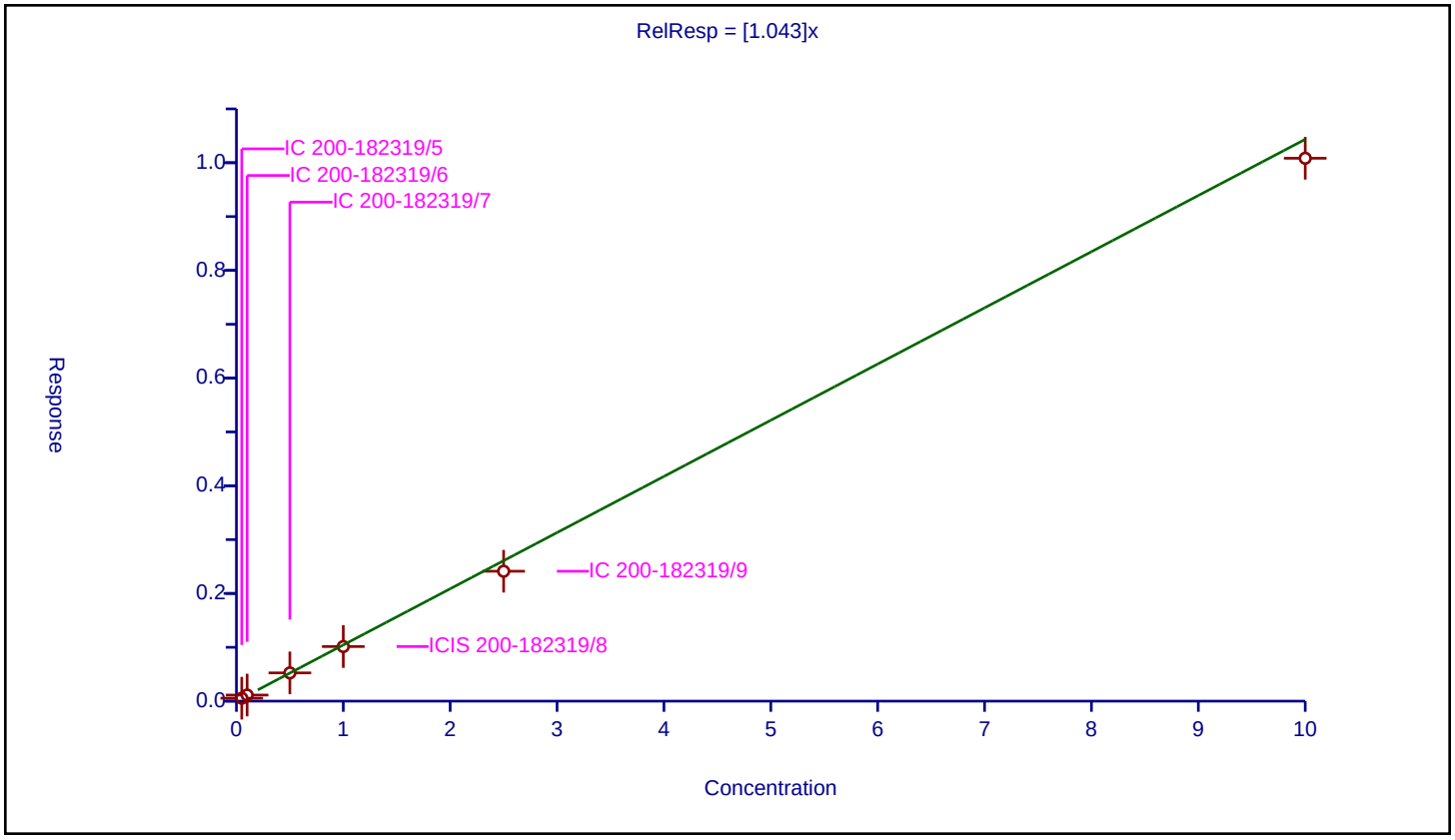
Curve Coefficients

Intercept:	0
Slope:	1.043

Error Coefficients

Standard Error:	5100000
Relative Standard Error:	5.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.054704	1.25	1413508.0	1.094086	Y
2	IC 200-182319/6	0.1	0.112992	1.25	1370007.0	1.129921	Y
3	IC 200-182319/7	0.5	0.524659	1.25	1432991.0	1.049317	Y
4	ICIS 200-182319/8	1.0	1.014043	1.25	1545822.0	1.014043	Y
5	IC 200-182319/9	2.5	2.412572	1.25	1429283.0	0.965029	Y
6	IC 200-182319/10	10.0	10.083565	1.25	1361444.0	1.008356	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

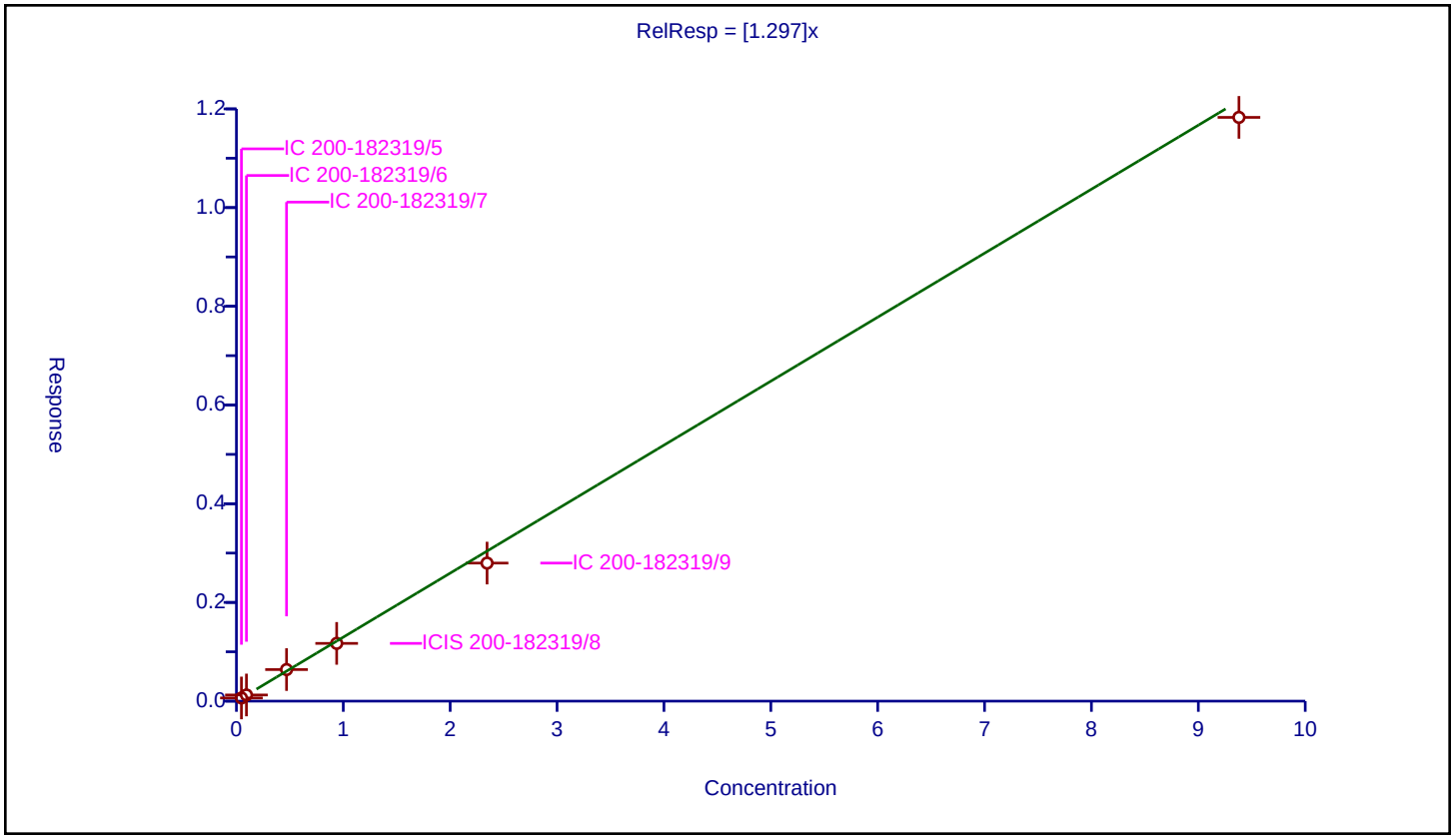
Curve Coefficients

Intercept:	0
Slope:	1.297

Error Coefficients

Standard Error:	5100000
Relative Standard Error:	5.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0469	0.064744	1.1825	1066162.0	1.380462	Y
2	IC 200-182319/6	0.0938	0.125123	1.1825	1056649.0	1.333929	Y
3	IC 200-182319/7	0.469	0.639506	1.1825	1070938.0	1.363551	Y
4	ICIS 200-182319/8	0.938	1.170436	1.1825	1199930.0	1.247799	Y
5	IC 200-182319/9	2.345	2.79728	1.1825	1100091.0	1.19287	Y
6	IC 200-182319/10	9.38	11.82767	1.1825	1101269.0	1.260946	Y



Calibration / Perfluoro(2-propoxypropanoic) acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

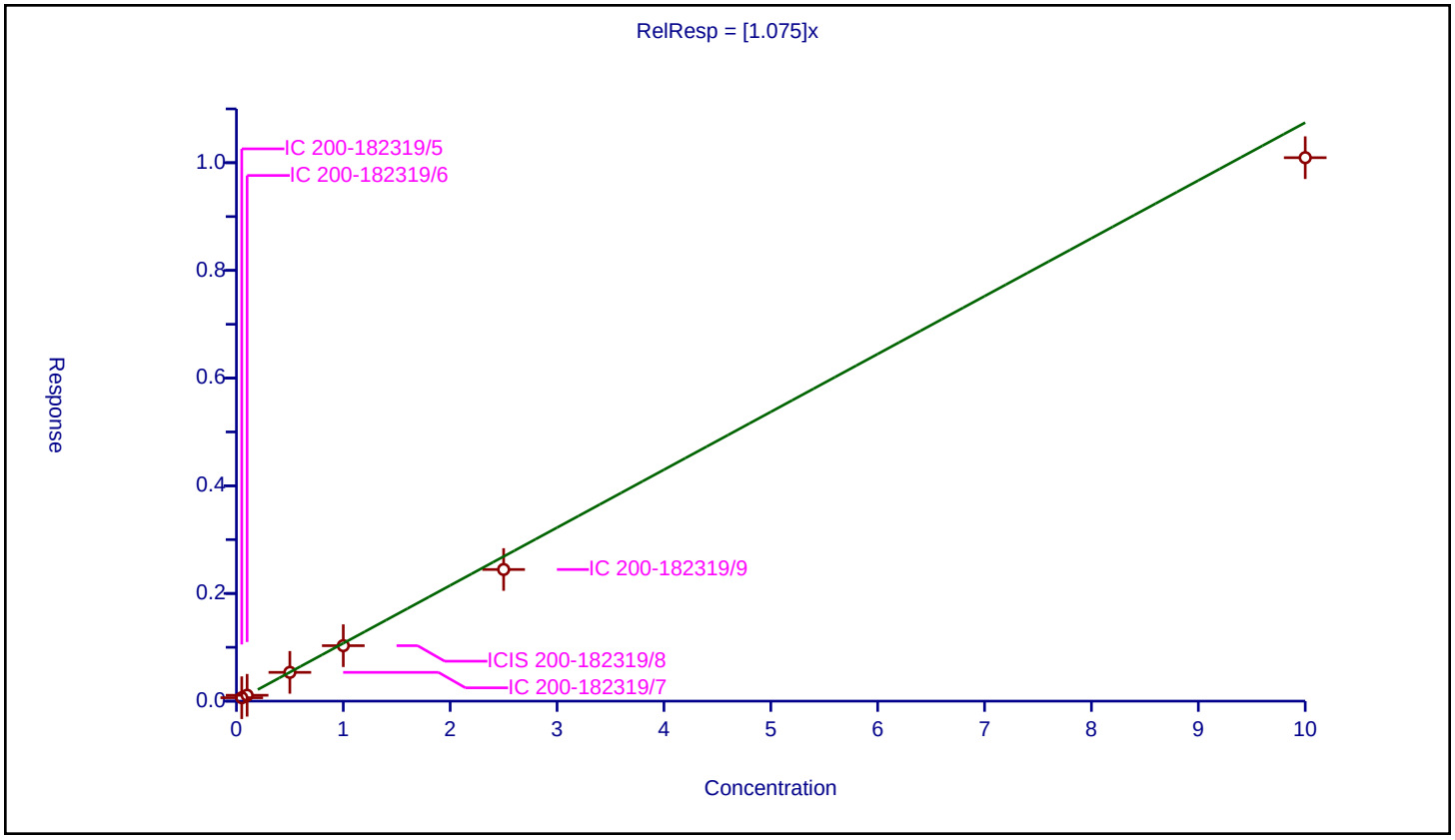
Curve Coefficients

Intercept:	0
Slope:	1.075

Error Coefficients

Standard Error:	1020000
Relative Standard Error:	9.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.063352	1.25	258219.0	1.267045	Y
2	IC 200-182319/6	0.1	0.10932	1.25	270250.0	1.093201	Y
3	IC 200-182319/7	0.5	0.534638	1.25	255203.0	1.069276	Y
4	ICIS 200-182319/8	1.0	1.030352	1.25	284467.0	1.030352	Y
5	IC 200-182319/9	2.5	2.444834	1.25	269301.0	0.977934	Y
6	IC 200-182319/10	10.0	10.093736	1.25	271626.0	1.009374	Y



Calibration / Perfluorohexanesulfonic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

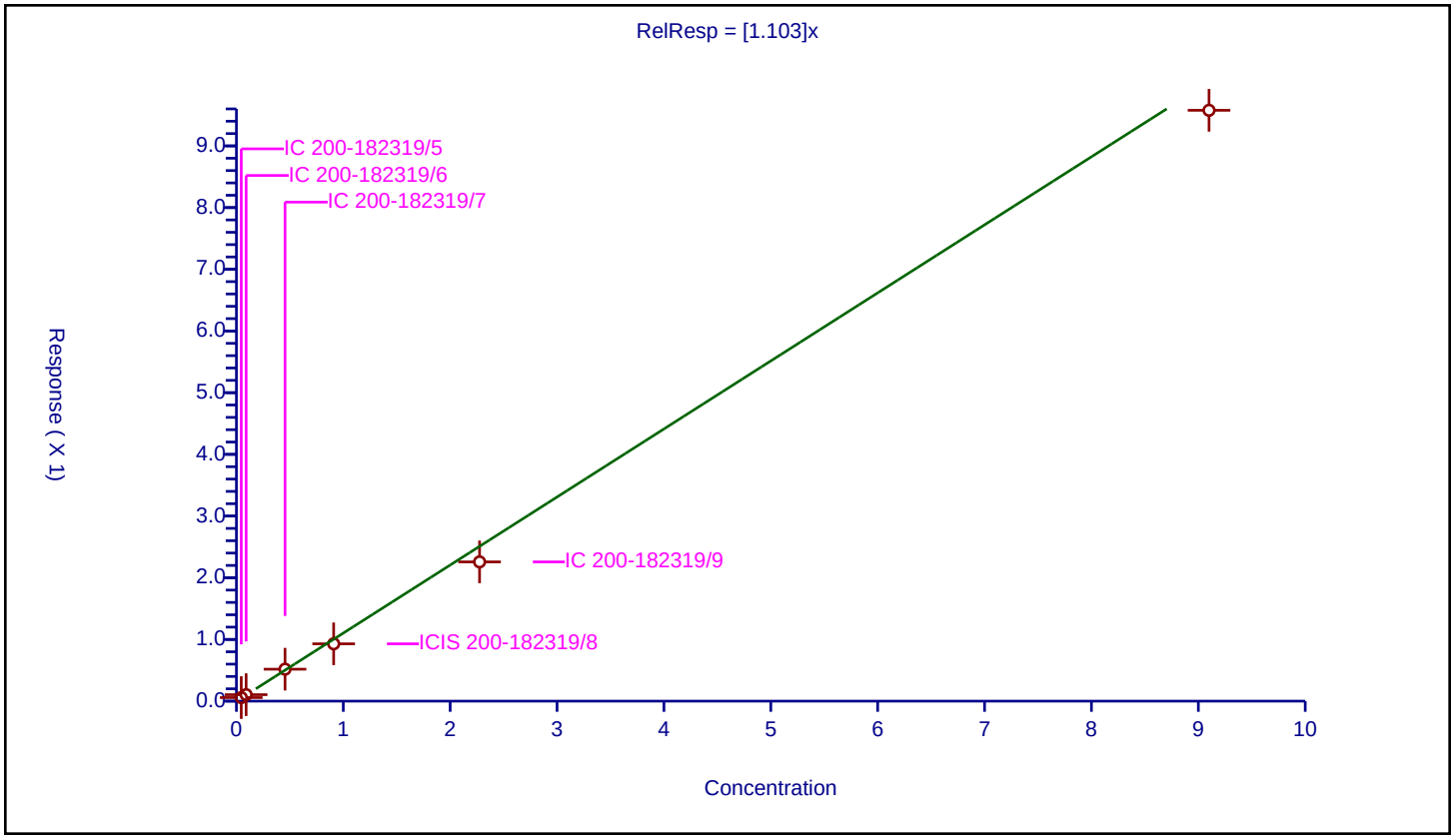
Curve Coefficients

Intercept:	0
Slope:	1.103

Error Coefficients

Standard Error:	4130000
Relative Standard Error:	9.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0455	0.057553	1.1825	1066162.0	1.264907	Y
2	IC 200-182319/6	0.091	0.104492	1.1825	1056649.0	1.148262	Y
3	IC 200-182319/7	0.455	0.517971	1.1825	1070938.0	1.138397	Y
4	ICIS 200-182319/8	0.91	0.929468	1.1825	1199930.0	1.021393	Y
5	IC 200-182319/9	2.275	2.257341	1.1825	1100091.0	0.992238	Y
6	IC 200-182319/10	9.1	9.577256	1.1825	1101269.0	1.052446	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

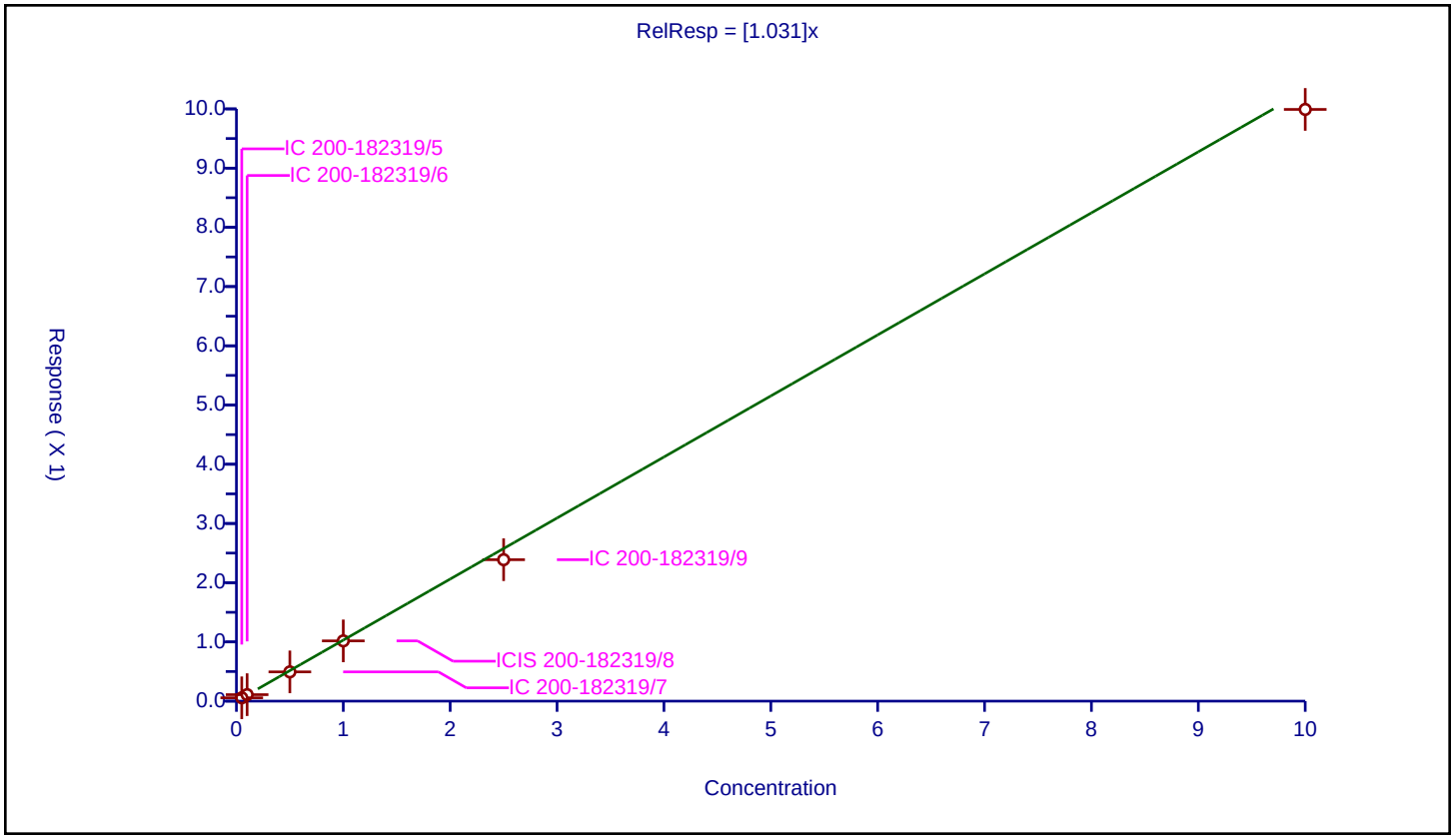
Curve Coefficients

Intercept:	0
Slope:	1.031

Error Coefficients

Standard Error:	5200000
Relative Standard Error:	6.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.056472	1.25	1452765.0	1.12945	Y
2	IC 200-182319/6	0.1	0.109407	1.25	1436597.0	1.09407	Y
3	IC 200-182319/7	0.5	0.494063	1.25	1532788.0	0.988126	Y
4	ICIS 200-182319/8	1.0	1.01747	1.25	1584230.0	1.01747	Y
5	IC 200-182319/9	2.5	2.388406	1.25	1462731.0	0.955362	Y
6	IC 200-182319/10	10.0	9.991172	1.25	1400879.0	0.999117	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

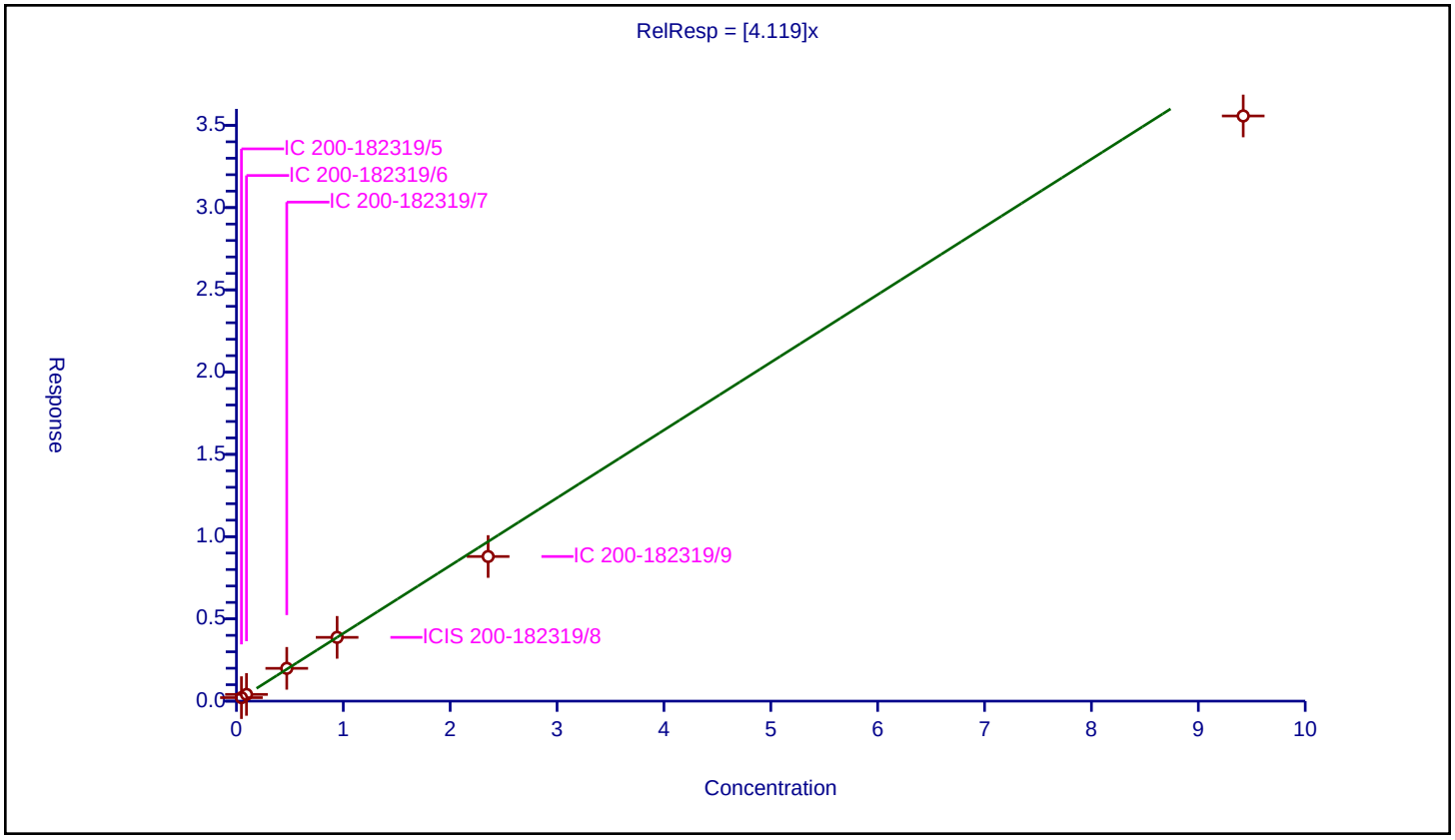
Curve Coefficients

Intercept:	0
Slope:	4.119

Error Coefficients

Standard Error:	11300000
Relative Standard Error:	7.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0471	0.21237	1.195	814976.0	4.508922	Y
2	IC 200-182319/6	0.0942	0.40952	1.195	840757.0	4.347348	Y
3	IC 200-182319/7	0.471	1.993533	1.195	804391.0	4.232554	Y
4	ICIS 200-182319/8	0.942	3.876015	1.195	867294.0	4.114666	Y
5	IC 200-182319/9	2.355	8.791096	1.195	824732.0	3.732949	Y
6	IC 200-182319/10	9.42	35.571432	1.195	821046.0	3.776161	Y



Calibration / 1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

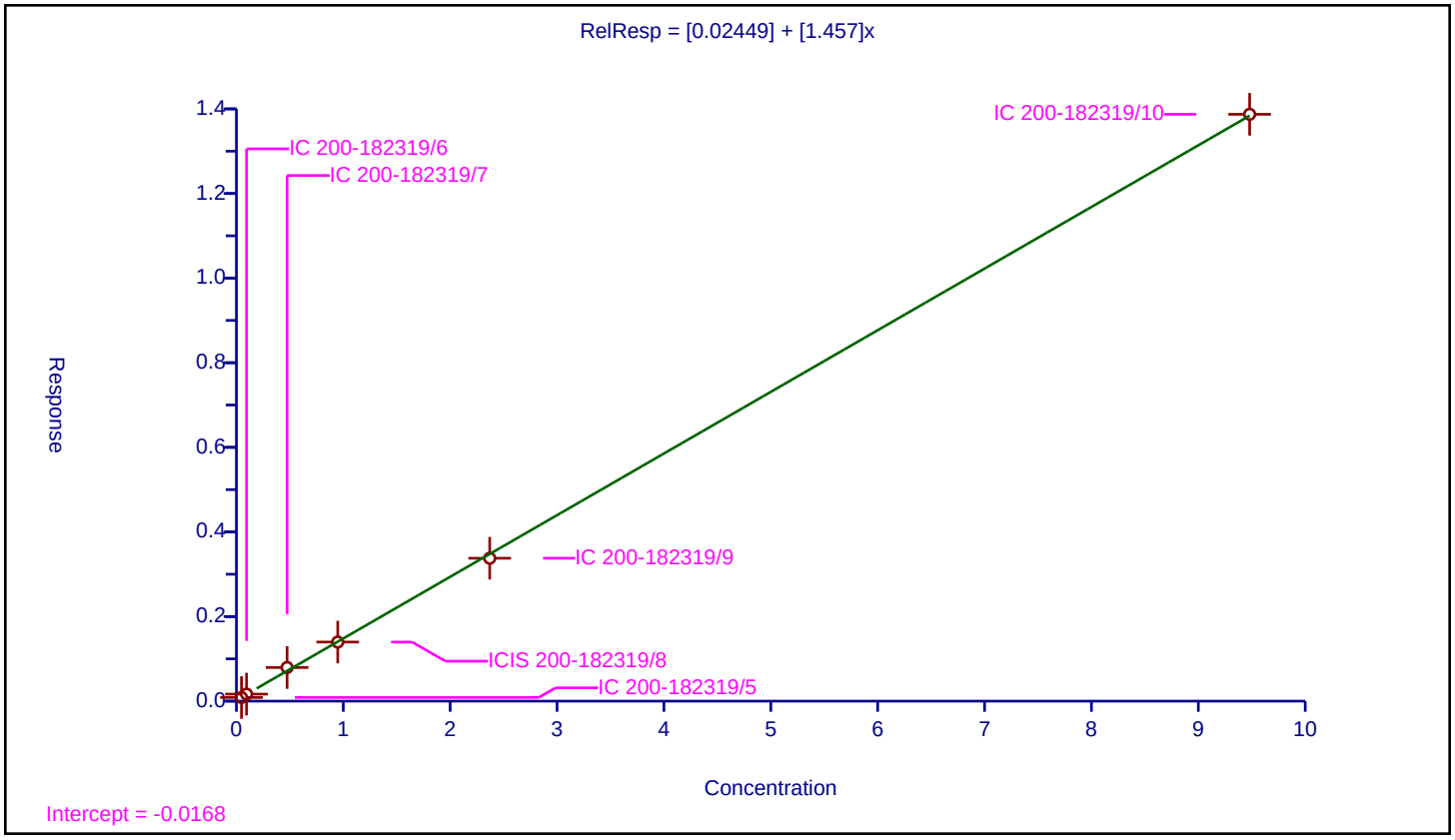
Curve Coefficients

Intercept:	0.02449
Slope:	1.457

Error Coefficients

Standard Error:	1080000
Relative Standard Error:	8.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0474	0.086178	1.1875	190476.0	1.818098	Y
2	IC 200-182319/6	0.0948	0.16605	1.1875	181082.0	1.751584	Y
3	IC 200-182319/7	0.474	0.794837	1.1875	174667.0	1.676872	Y
4	ICIS 200-182319/8	0.948	1.396853	1.1875	203094.0	1.473474	Y
5	IC 200-182319/9	2.37	3.378094	1.1875	182060.0	1.425356	Y
6	IC 200-182319/10	9.48	13.872036	1.1875	177168.0	1.463295	Y



Calibration / Perfluoroheptanesulfonic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

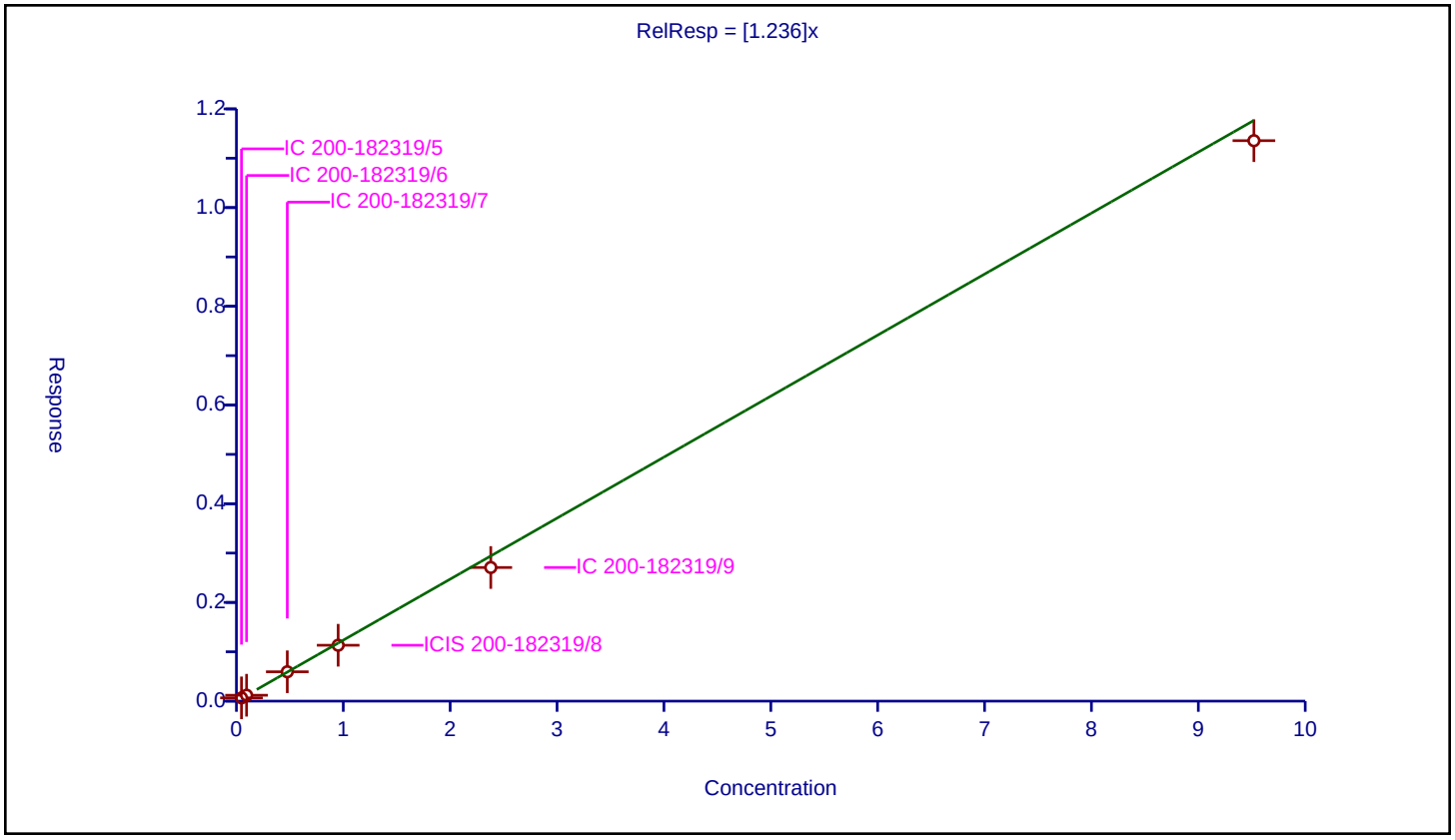
Curve Coefficients

Intercept:	0
Slope:	1.236

Error Coefficients

Standard Error:	3610000
Relative Standard Error:	7.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0476	0.066325	1.195	814976.0	1.393386	Y
2	IC 200-182319/6	0.0952	0.11927	1.195	840757.0	1.252838	Y
3	IC 200-182319/7	0.476	0.594752	1.195	804391.0	1.24948	Y
4	ICIS 200-182319/8	0.952	1.132626	1.195	867294.0	1.189733	Y
5	IC 200-182319/9	2.38	2.707927	1.195	824732.0	1.137784	Y
6	IC 200-182319/10	9.52	11.35592	1.195	821046.0	1.192849	Y



Calibration / Perfluorooctanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

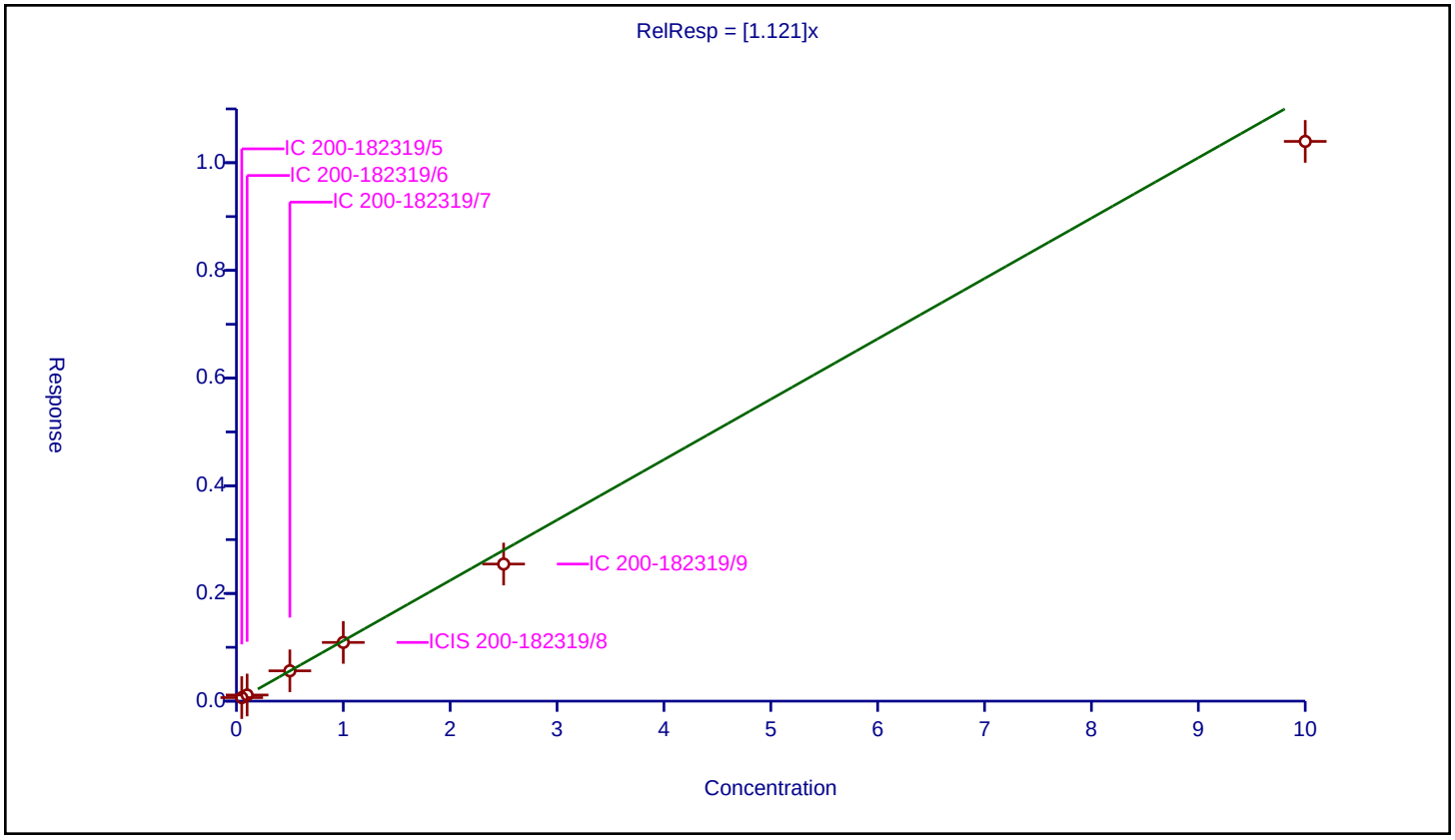
Curve Coefficients

Intercept:	0
Slope:	1.121

Error Coefficients

Standard Error:	5730000
Relative Standard Error:	9.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.065553	1.25	1484438.0	1.311052	Y
2	IC 200-182319/6	0.1	0.114208	1.25	1549546.0	1.142076	Y
3	IC 200-182319/7	0.5	0.563331	1.25	1470428.0	1.126662	Y
4	ICIS 200-182319/8	1.0	1.090494	1.25	1613787.0	1.090494	Y
5	IC 200-182319/9	2.5	2.546176	1.25	1484954.0	1.01847	Y
6	IC 200-182319/10	10.0	10.396368	1.25	1483901.0	1.039637	Y



Calibration / Perfluorooctanesulfonic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

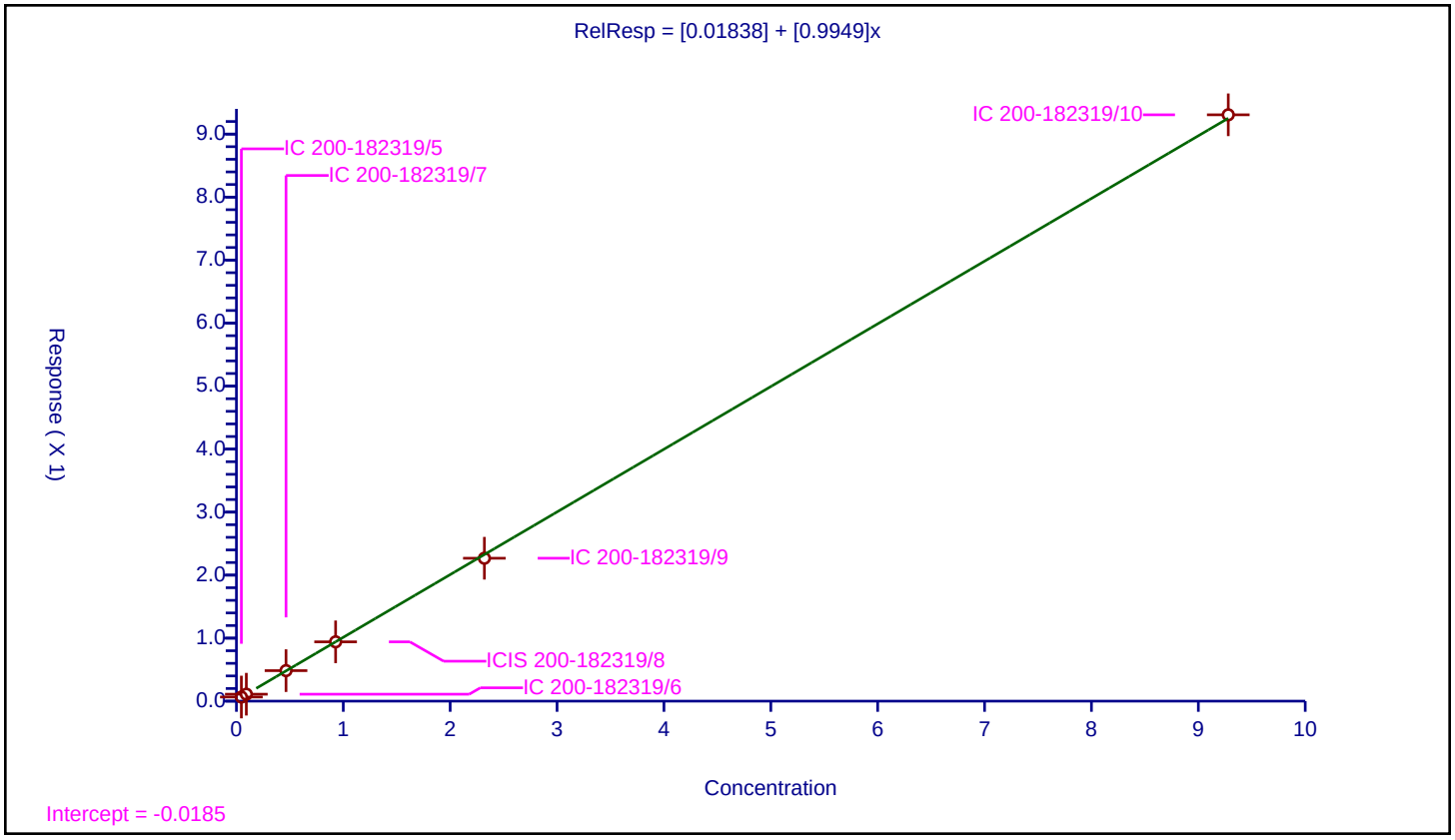
Curve Coefficients

Intercept:	0.01838
Slope:	0.9949

Error Coefficients

Standard Error:	3310000
Relative Standard Error:	1.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0464	0.065258	1.195	814976.0	1.406416	Y
2	IC 200-182319/6	0.0928	0.110269	1.195	840757.0	1.188242	Y
3	IC 200-182319/7	0.464	0.484379	1.195	804391.0	1.043919	Y
4	ICIS 200-182319/8	0.928	0.941134	1.195	867294.0	1.014153	Y
5	IC 200-182319/9	2.32	2.268101	1.195	824732.0	0.97763	Y
6	IC 200-182319/10	9.28	9.305971	1.195	821046.0	1.002799	Y



Calibration / Perfluorononanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

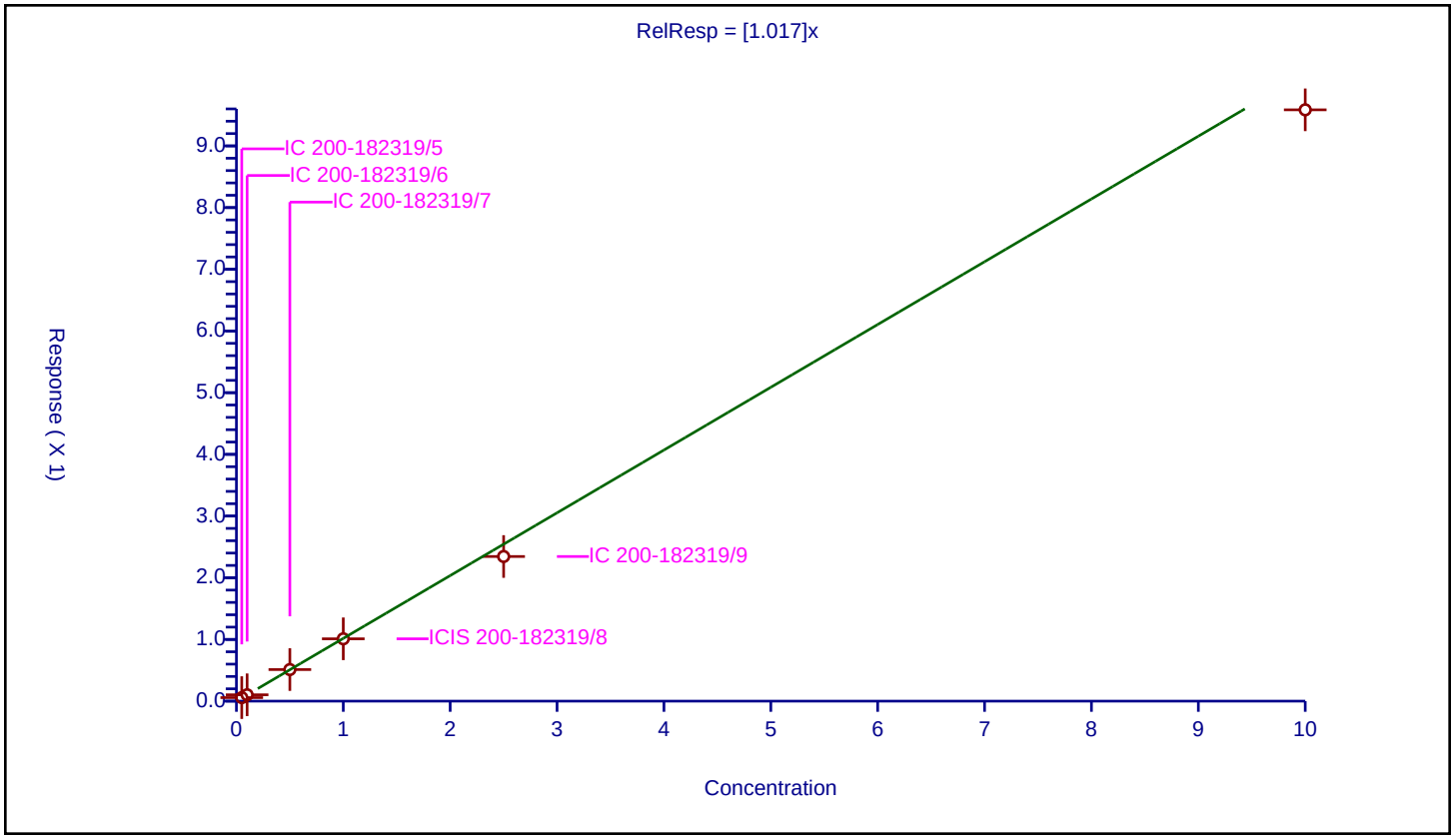
Curve Coefficients

Intercept:	0
Slope:	1.017

Error Coefficients

Standard Error:	5310000
Relative Standard Error:	7.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.057229	1.25	1565872.0	1.144586	Y
2	IC 200-182319/6	0.1	0.103005	1.25	1602191.0	1.03005	Y
3	IC 200-182319/7	0.5	0.511784	1.25	1491888.0	1.023567	Y
4	ICIS 200-182319/8	1.0	1.010464	1.25	1743026.0	1.010464	Y
5	IC 200-182319/9	2.5	2.344456	1.25	1550788.0	0.937783	Y
6	IC 200-182319/10	10.0	9.584917	1.25	1487561.0	0.958492	Y



Calibration / 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

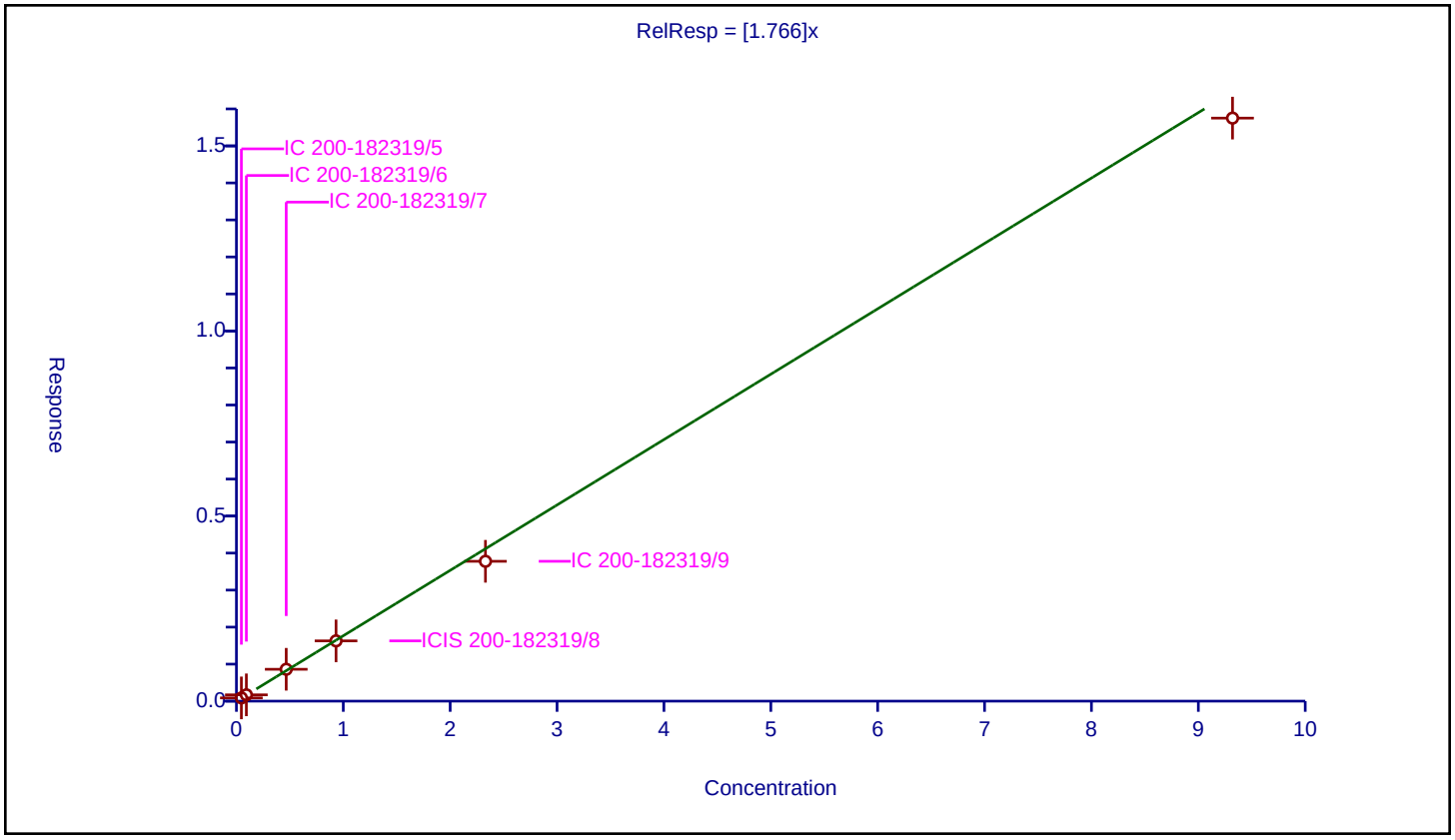
Curve Coefficients

Intercept:	0
Slope:	1.766

Error Coefficients

Standard Error:	5010000
Relative Standard Error:	5.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0466	0.087154	1.195	814976.0	1.870257	Y
2	IC 200-182319/6	0.0932	0.169937	1.195	840757.0	1.823354	Y
3	IC 200-182319/7	0.466	0.860754	1.195	804391.0	1.847112	Y
4	ICIS 200-182319/8	0.932	1.628084	1.195	867294.0	1.746871	Y
5	IC 200-182319/9	2.33	3.777759	1.195	824732.0	1.621356	Y
6	IC 200-182319/10	9.32	15.751201	1.195	821046.0	1.690043	Y



Calibration / Perfluorononanesulfonic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

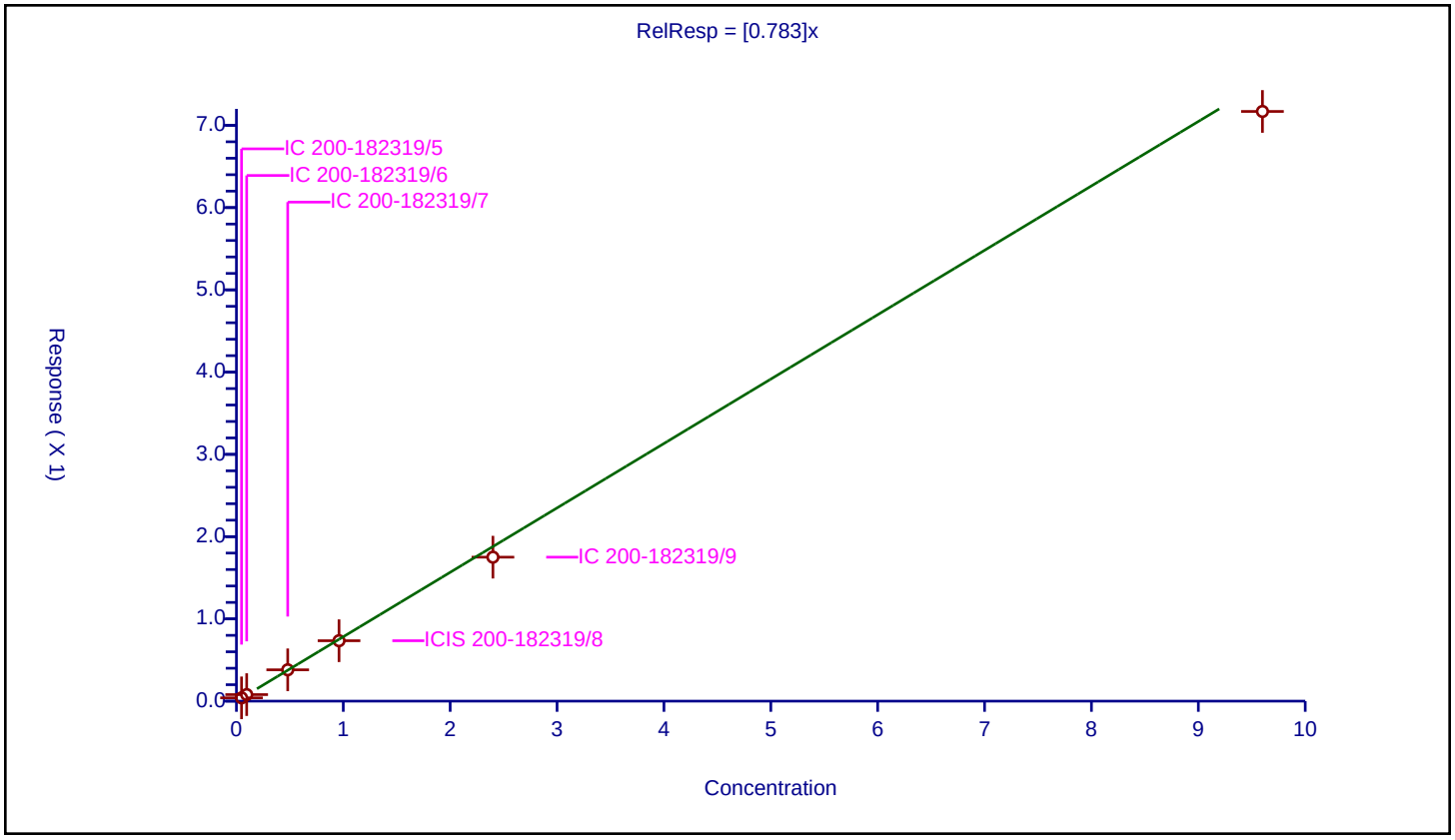
Curve Coefficients

Intercept:	0
Slope:	0.783

Error Coefficients

Standard Error:	2280000
Relative Standard Error:	5.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.048	0.040043	1.195	814976.0	0.834234	Y
2	IC 200-182319/6	0.096	0.079567	1.195	840757.0	0.828818	Y
3	IC 200-182319/7	0.48	0.380935	1.195	804391.0	0.793615	Y
4	ICIS 200-182319/8	0.96	0.734567	1.195	867294.0	0.765174	Y
5	IC 200-182319/9	2.4	1.75015	1.195	824732.0	0.729229	Y
6	IC 200-182319/10	9.6	7.169071	1.195	821046.0	0.746778	Y



Calibration / Perfluorodecanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

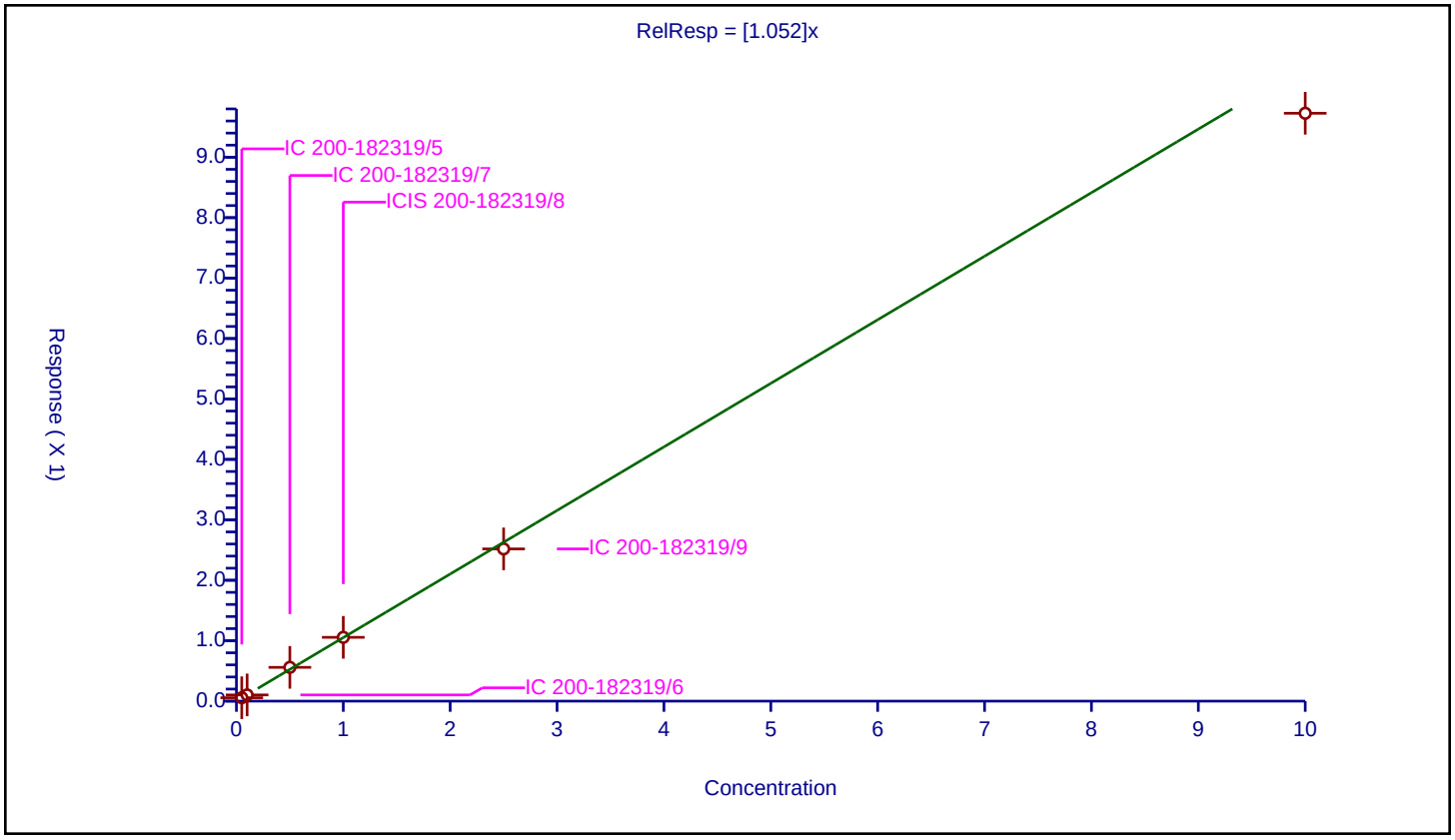
Curve Coefficients

Intercept:	0
Slope:	1.052

Error Coefficients

Standard Error:	5360000
Relative Standard Error:	5.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.056353	1.25	1472294.0	1.127051	Y
2	IC 200-182319/6	0.1	0.102939	1.25	1591995.0	1.029392	Y
3	IC 200-182319/7	0.5	0.558835	1.25	1496707.0	1.11767	Y
4	ICIS 200-182319/8	1.0	1.055735	1.25	1674653.0	1.055735	Y
5	IC 200-182319/9	2.5	2.518868	1.25	1471206.0	1.007547	Y
6	IC 200-182319/10	10.0	9.727934	1.25	1479189.0	0.972793	Y



Calibration / 1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

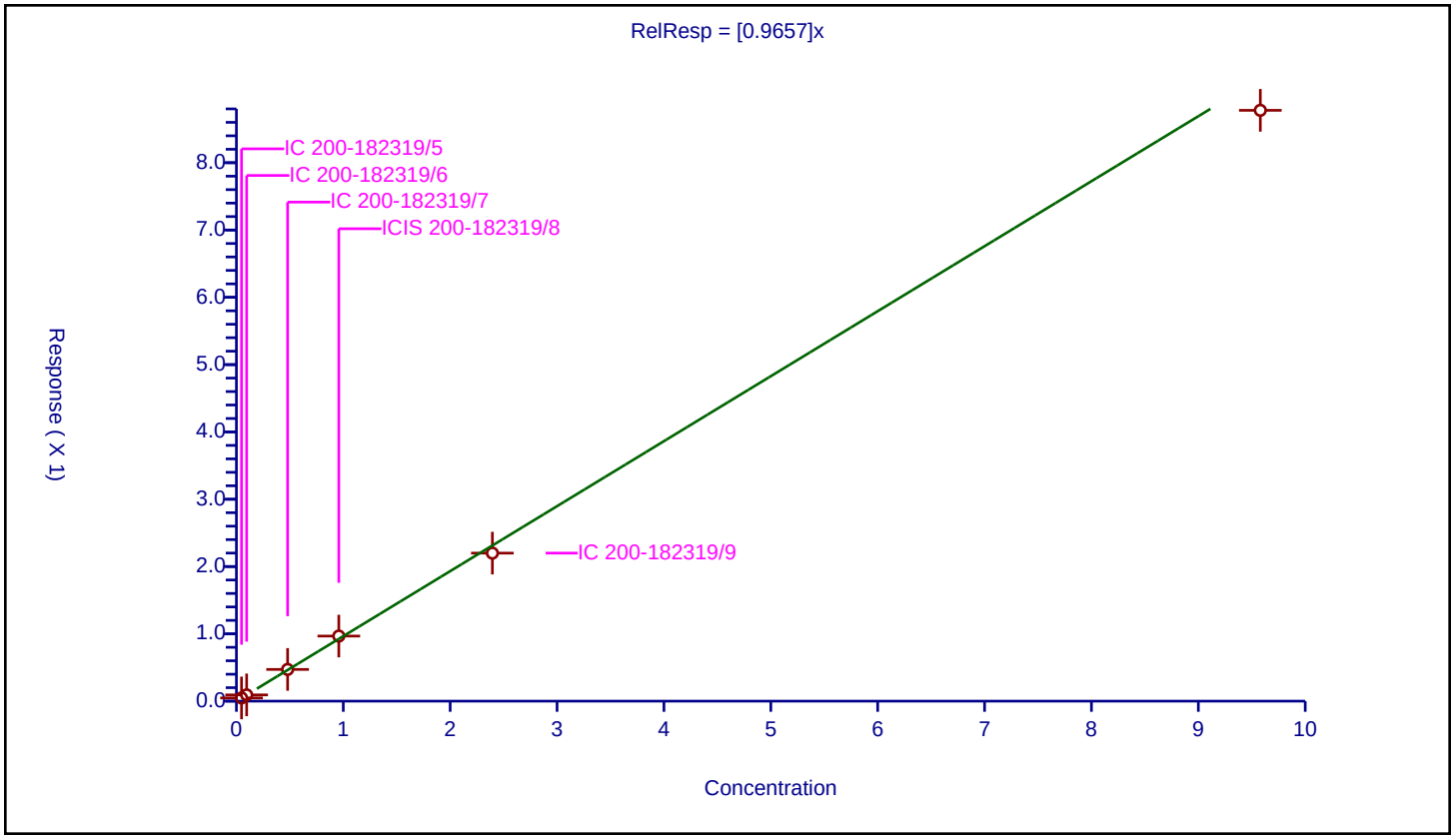
Curve Coefficients

Intercept:	0
Slope:	0.9657

Error Coefficients

Standard Error:	755000
Relative Standard Error:	4.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0479	0.047773	1.1975	230513.0	0.997341	Y
2	IC 200-182319/6	0.0958	0.092816	1.1975	221797.0	0.968848	Y
3	IC 200-182319/7	0.479	0.471193	1.1975	212018.0	0.983702	Y
4	ICIS 200-182319/8	0.958	0.96708	1.1975	240555.0	1.009478	Y
5	IC 200-182319/9	2.395	2.199187	1.1975	217682.0	0.918241	Y
6	IC 200-182319/10	9.58	8.778809	1.1975	221709.0	0.916368	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

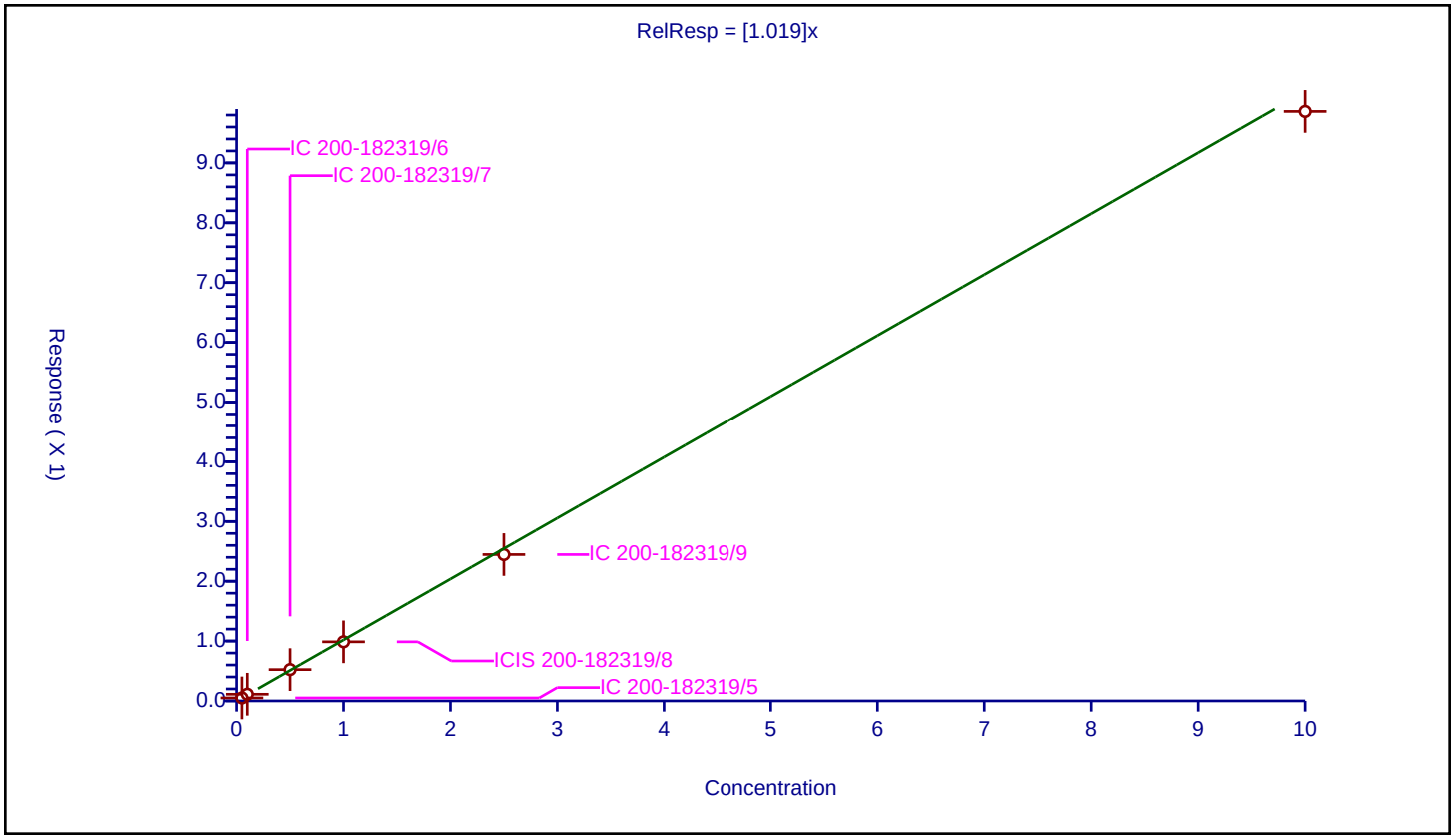
Curve Coefficients

Intercept:	0
Slope:	1.019

Error Coefficients

Standard Error:	4730000
Relative Standard Error:	5.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.050124	1.25	1351035.0	1.002472	Y
2	IC 200-182319/6	0.1	0.111322	1.25	1346274.0	1.113221	Y
3	IC 200-182319/7	0.5	0.523051	1.25	1341161.0	1.046103	Y
4	ICIS 200-182319/8	1.0	0.987356	1.25	1386621.0	0.987356	Y
5	IC 200-182319/9	2.5	2.447205	1.25	1316398.0	0.978882	Y
6	IC 200-182319/10	10.0	9.860169	1.25	1290314.0	0.986017	Y



Calibration / N-methylperfluorooctanesulfonamidoacetic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

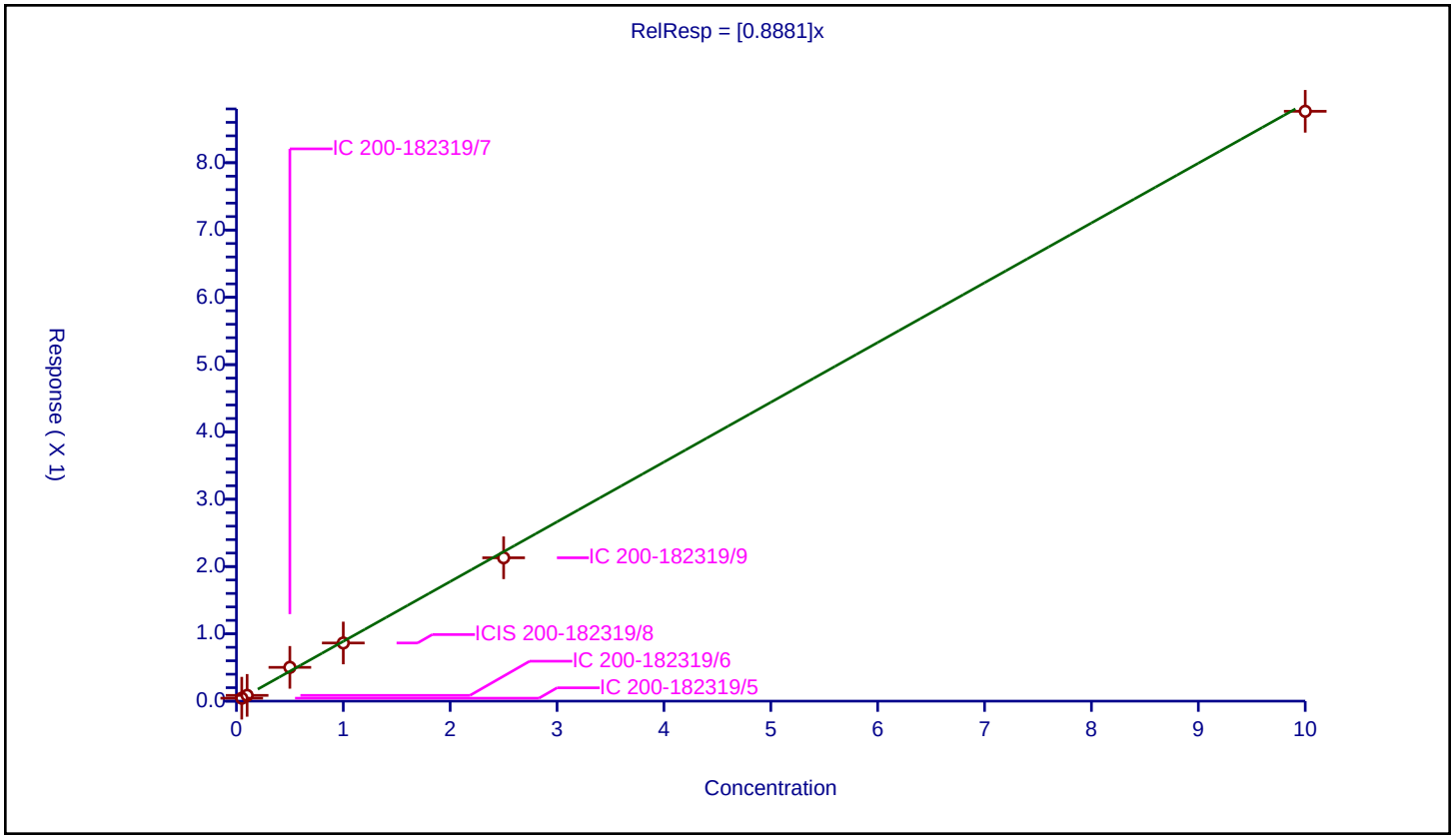
Curve Coefficients

Intercept:	0
Slope:	0.8881

Error Coefficients

Standard Error:	676000
Relative Standard Error:	6.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.043851	1.25	199141.0	0.877017	Y
2	IC 200-182319/6	0.1	0.085513	1.25	200758.0	0.855134	Y
3	IC 200-182319/7	0.5	0.501849	1.25	194324.0	1.003697	Y
4	ICIS 200-182319/8	1.0	0.864294	1.25	222702.0	0.864294	Y
5	IC 200-182319/9	2.5	2.130228	1.25	205583.0	0.852091	Y
6	IC 200-182319/10	10.0	8.764336	1.25	208390.0	0.876434	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

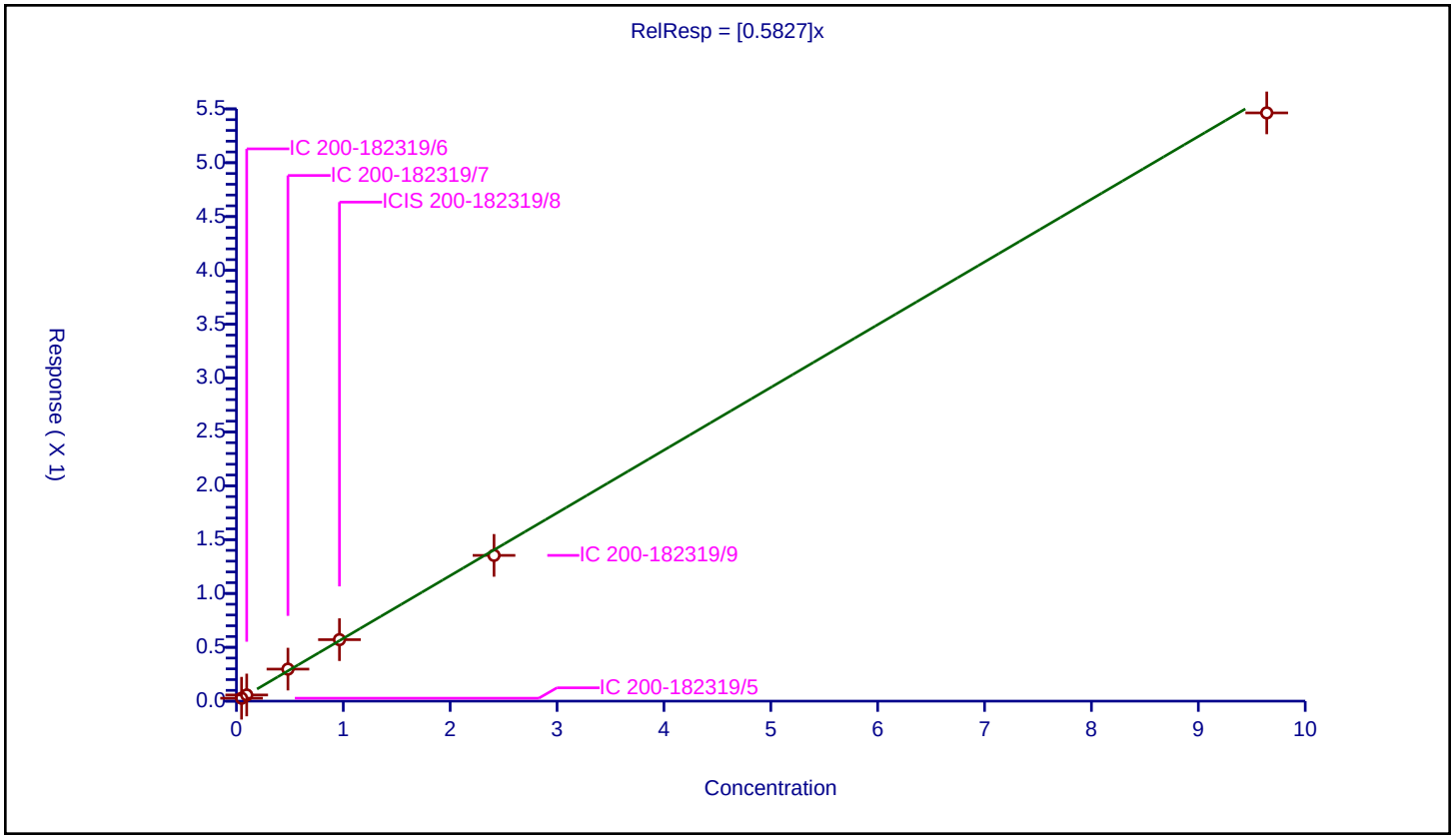
Curve Coefficients

Intercept:	0
Slope:	0.5827

Error Coefficients

Standard Error:	1740000
Relative Standard Error:	3.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0482	0.027128	1.195	814976.0	0.562822	Y
2	IC 200-182319/6	0.0964	0.057378	1.195	840757.0	0.595207	Y
3	IC 200-182319/7	0.482	0.297464	1.195	804391.0	0.617145	Y
4	ICIS 200-182319/8	0.964	0.571076	1.195	867294.0	0.592402	Y
5	IC 200-182319/9	2.41	1.353617	1.195	824732.0	0.561667	Y
6	IC 200-182319/10	9.64	5.462847	1.195	821046.0	0.566685	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

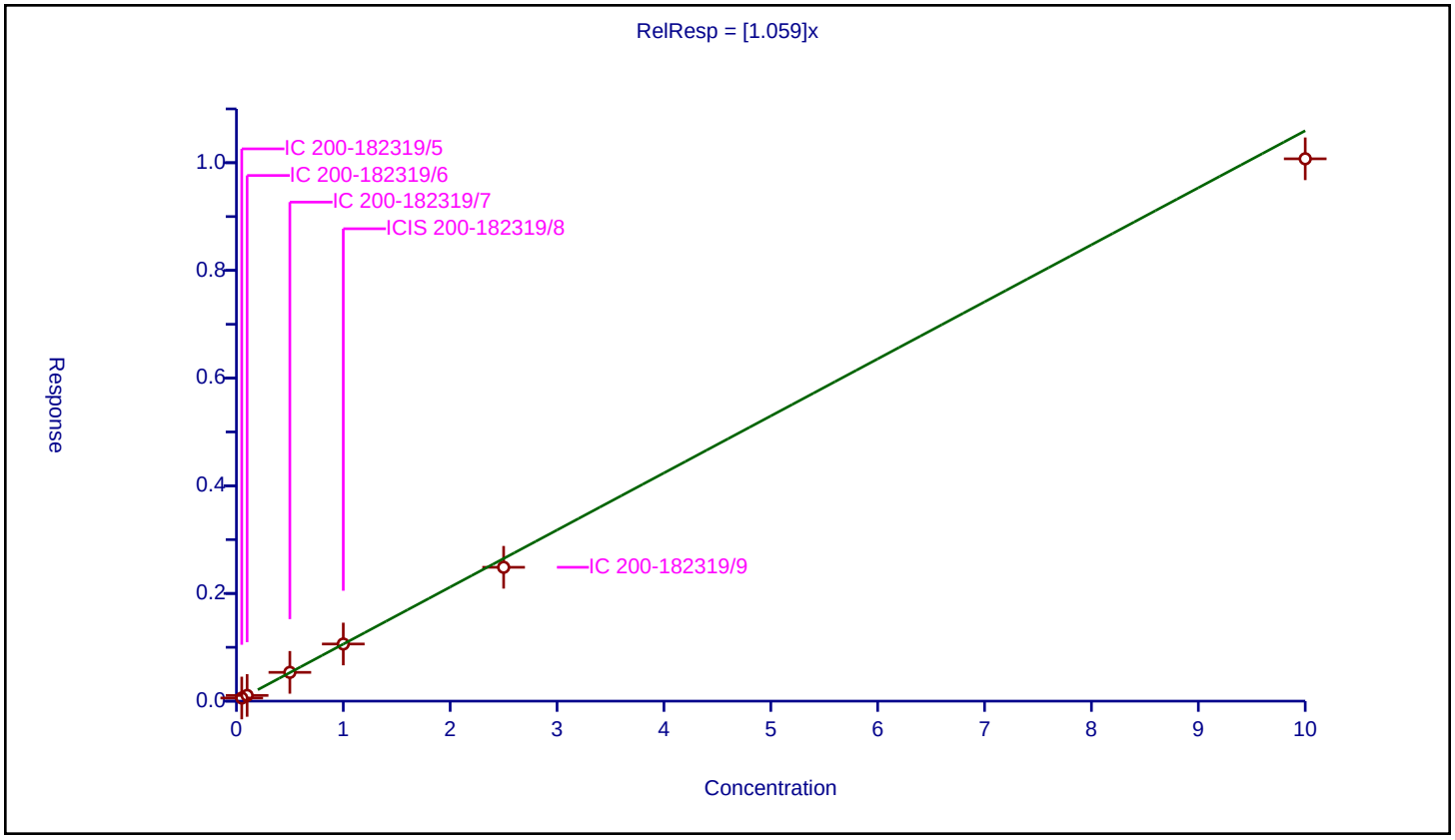
Curve Coefficients

Intercept:	0
Slope:	1.059

Error Coefficients

Standard Error:	4120000
Relative Standard Error:	5.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.058277	1.25	1125897.0	1.165537	Y
2	IC 200-182319/6	0.1	0.105945	1.25	1204305.0	1.059449	Y
3	IC 200-182319/7	0.5	0.534284	1.25	1177558.0	1.068567	Y
4	ICIS 200-182319/8	1.0	1.061366	1.25	1185895.0	1.061366	Y
5	IC 200-182319/9	2.5	2.485995	1.25	1162923.0	0.994398	Y
6	IC 200-182319/10	10.0	10.073103	1.25	1097436.0	1.00731	Y



Calibration / N-ethylperfluorooctanesulfonamidoacetic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

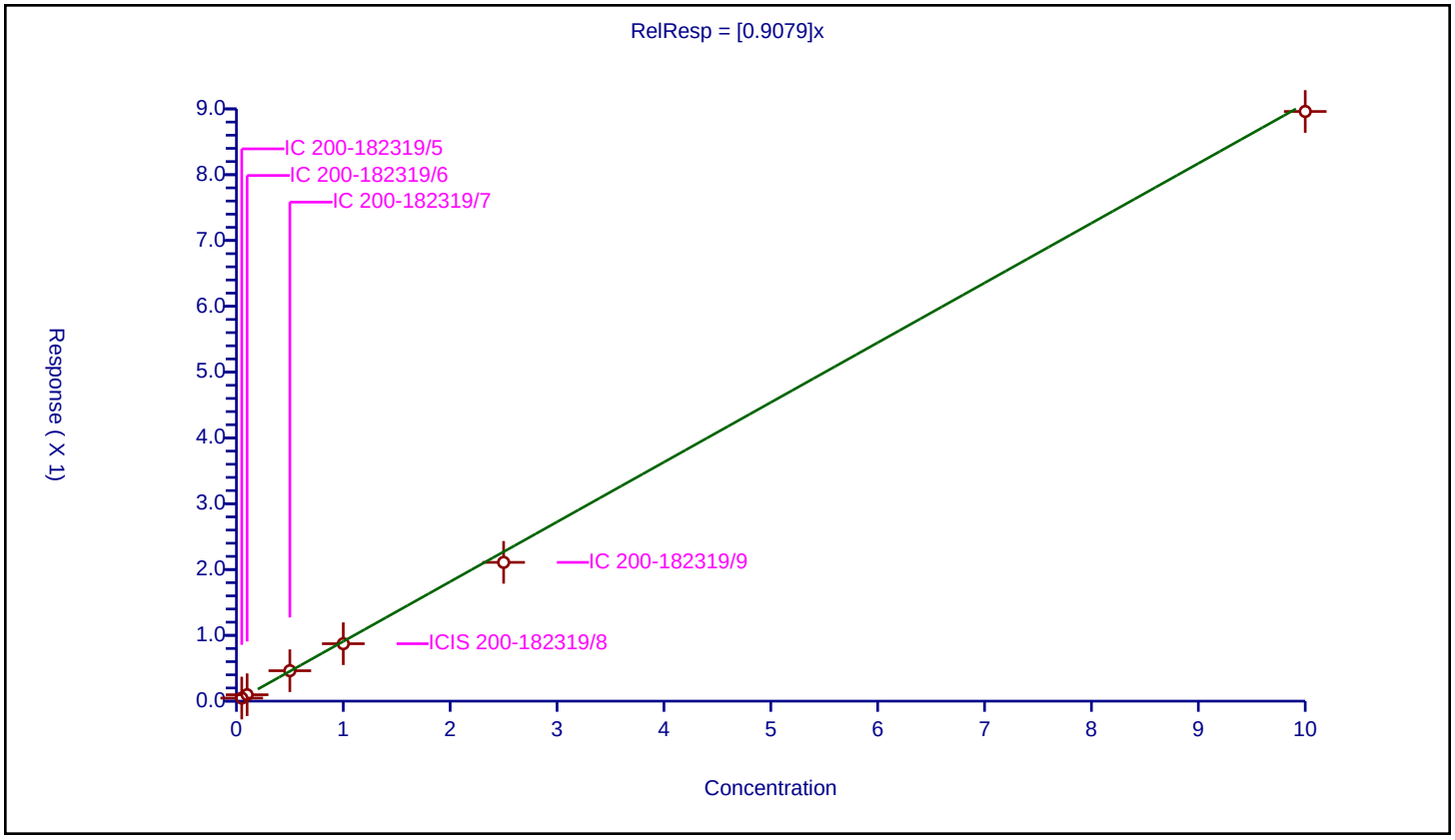
Curve Coefficients

Intercept:	0
Slope:	0.9079

Error Coefficients

Standard Error:	611000
Relative Standard Error:	5.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.046803	1.25	194163.0	0.936069	Y
2	IC 200-182319/6	0.1	0.097407	1.25	191350.0	0.974066	Y
3	IC 200-182319/7	0.5	0.46255	1.25	194014.0	0.925101	Y
4	ICIS 200-182319/8	1.0	0.872636	1.25	206475.0	0.872636	Y
5	IC 200-182319/9	2.5	2.108856	1.25	195385.0	0.843542	Y
6	IC 200-182319/10	10.0	8.960818	1.25	183559.0	0.896082	Y



Calibration / 11-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

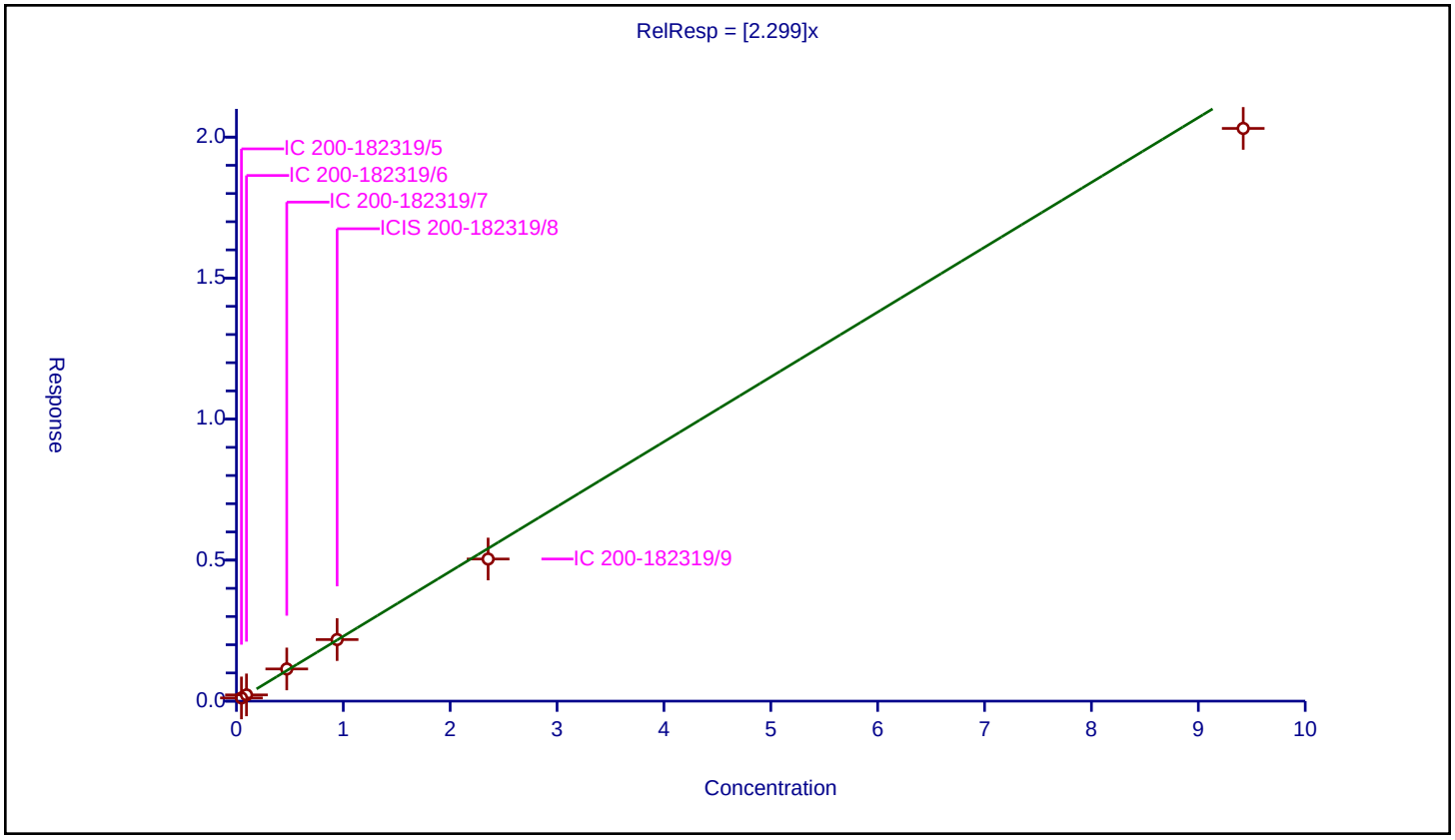
Curve Coefficients

Intercept:	0
Slope:	2.299

Error Coefficients

Standard Error:	6480000
Relative Standard Error:	5.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0471	0.113603	1.195	814976.0	2.411956	Y
2	IC 200-182319/6	0.0942	0.221022	1.195	840757.0	2.346309	Y
3	IC 200-182319/7	0.471	1.141594	1.195	804391.0	2.423767	Y
4	ICIS 200-182319/8	0.942	2.18289	1.195	867294.0	2.317293	Y
5	IC 200-182319/9	2.355	5.03967	1.195	824732.0	2.139987	Y
6	IC 200-182319/10	9.42	20.307739	1.195	821046.0	2.155811	Y



Calibration / Perfluorododecanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

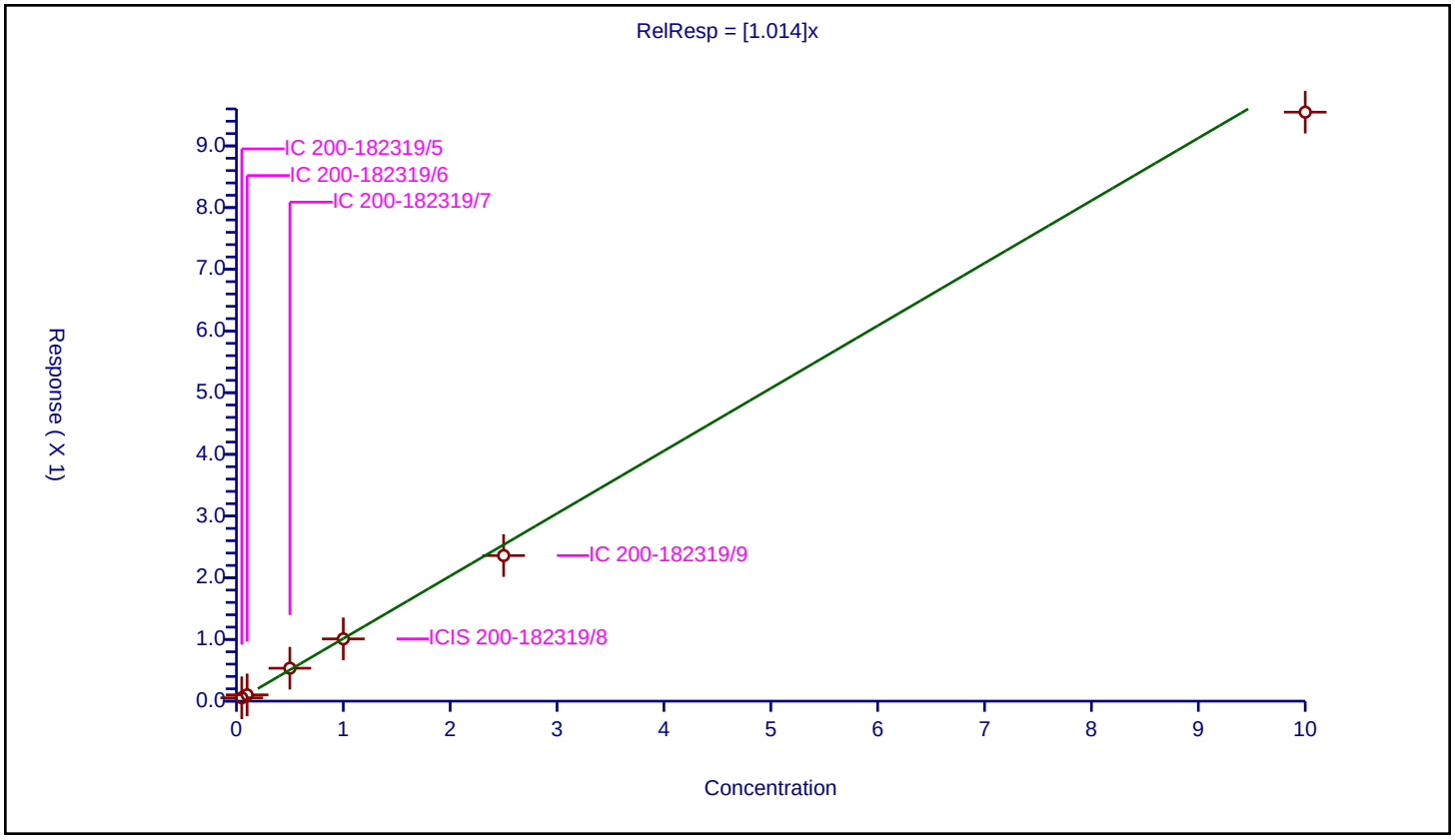
Curve Coefficients

Intercept:	0
Slope:	1.014

Error Coefficients

Standard Error:	4280000
Relative Standard Error:	5.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.054303	1.25	1154380.0	1.086059	Y
2	IC 200-182319/6	0.1	0.102271	1.25	1231772.0	1.022714	Y
3	IC 200-182319/7	0.5	0.533883	1.25	1166932.0	1.067766	Y
4	ICIS 200-182319/8	1.0	1.009678	1.25	1247905.0	1.009678	Y
5	IC 200-182319/9	2.5	2.359589	1.25	1195679.0	0.943836	Y
6	IC 200-182319/10	10.0	9.547408	1.25	1209177.0	0.954741	Y



Calibration / 1H,1H,2H,2H-perfluorododecanesulfonic acid (10:2)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

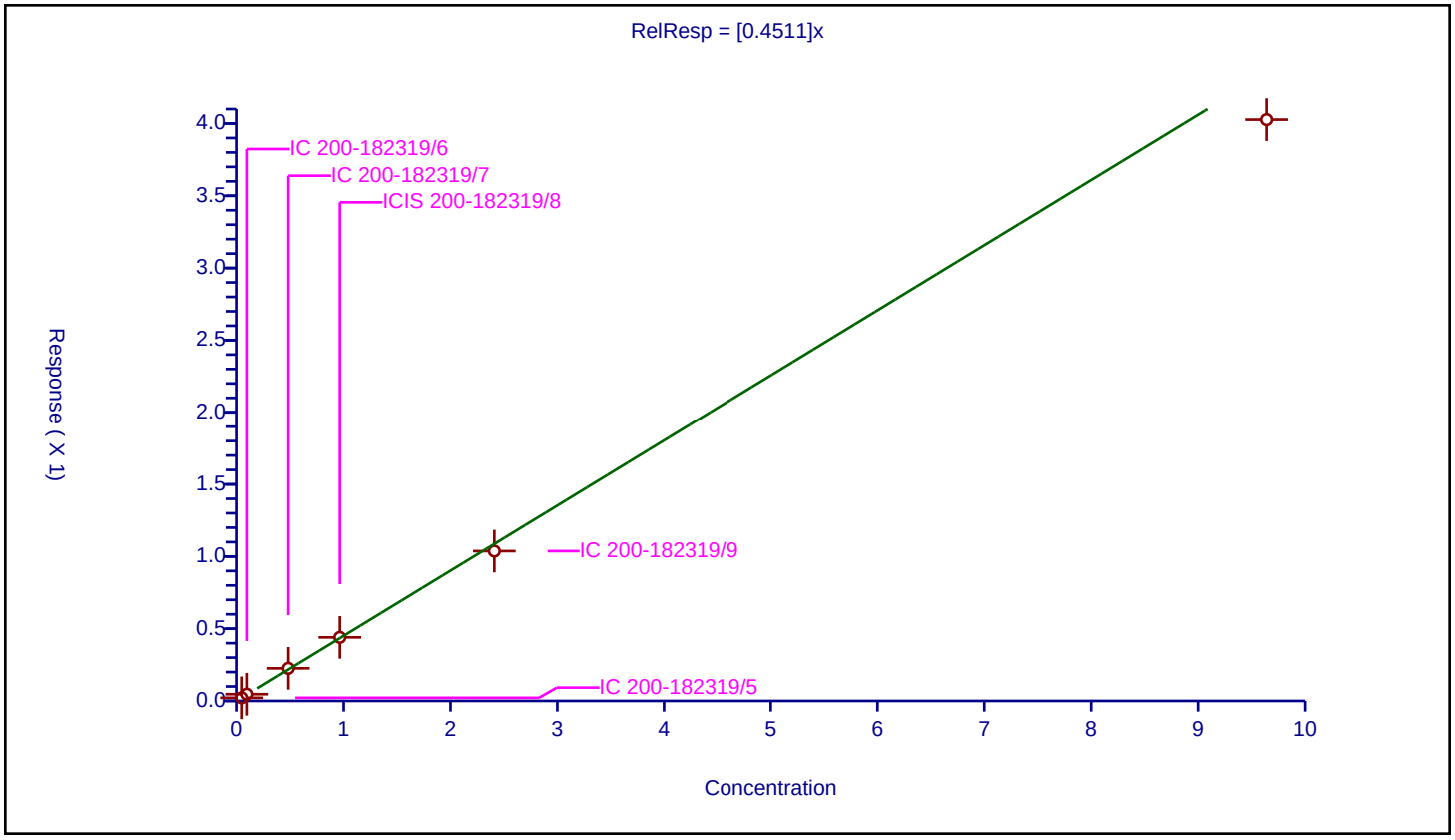
Curve Coefficients

Intercept:	0
Slope:	0.4511

Error Coefficients

Standard Error:	347000
Relative Standard Error:	5.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0482	0.021673	1.1975	230513.0	0.449653	Y
2	IC 200-182319/6	0.0964	0.046643	1.1975	221797.0	0.483845	Y
3	IC 200-182319/7	0.482	0.225743	1.1975	212018.0	0.468347	Y
4	ICIS 200-182319/8	0.964	0.440201	1.1975	240555.0	0.45664	Y
5	IC 200-182319/9	2.41	1.037659	1.1975	217682.0	0.430564	Y
6	IC 200-182319/10	9.64	4.026991	1.1975	221709.0	0.417738	Y



Calibration / Perfluorododecanesulfonic acid (PFDoS)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

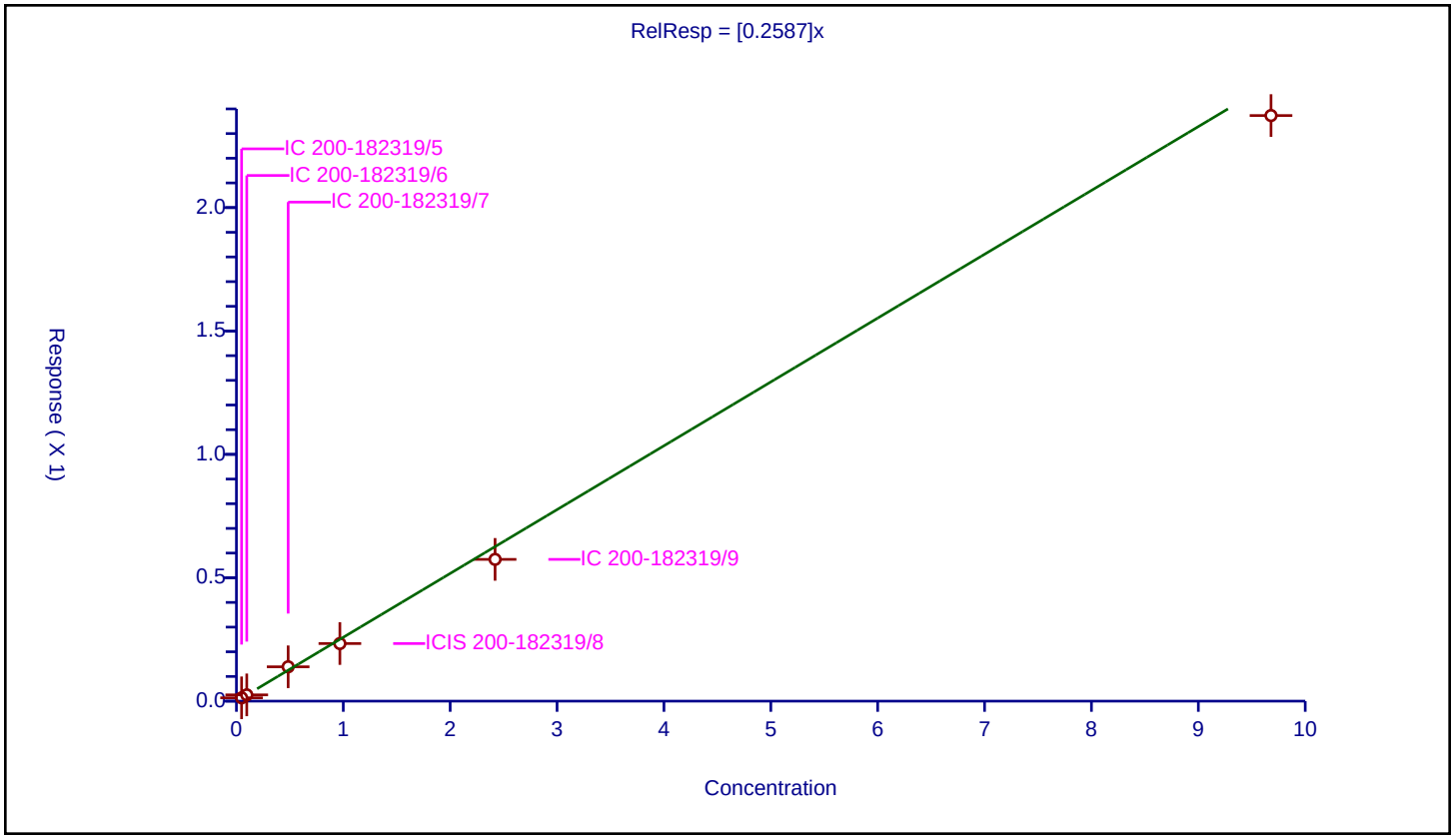
Curve Coefficients

Intercept:	0
Slope:	0.2587

Error Coefficients

Standard Error:	755000
Relative Standard Error:	8.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.0484	0.013484	1.195	814976.0	0.278597	Y
2	IC 200-182319/6	0.0968	0.025394	1.195	840757.0	0.262331	Y
3	IC 200-182319/7	0.484	0.139218	1.195	804391.0	0.287641	Y
4	ICIS 200-182319/8	0.968	0.233395	1.195	867294.0	0.241111	Y
5	IC 200-182319/9	2.42	0.574418	1.195	824732.0	0.237363	Y
6	IC 200-182319/10	9.68	2.373044	1.195	821046.0	0.245149	Y



Calibration / Perfluorotridecanoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

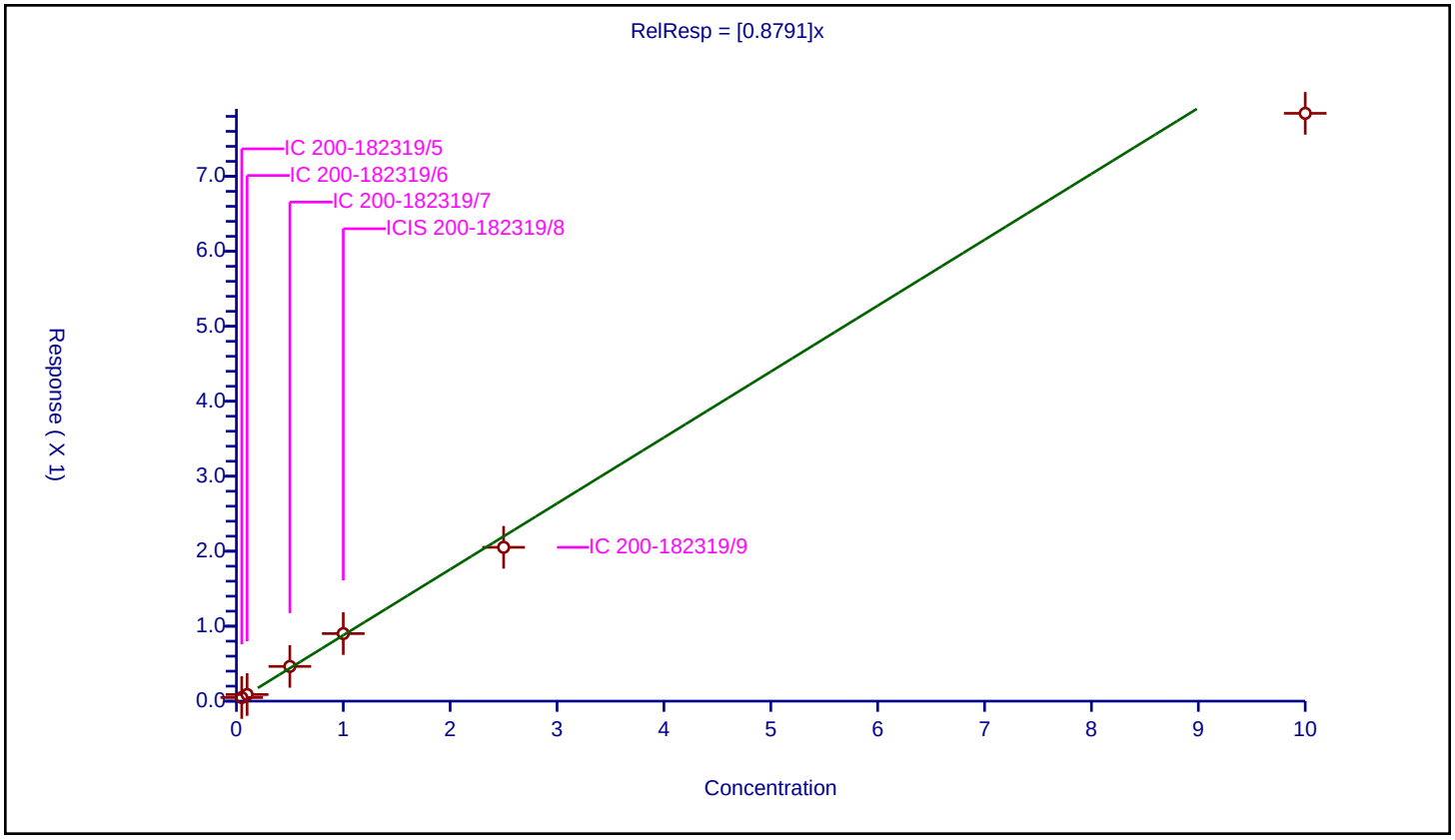
Curve Coefficients

Intercept:	0
Slope:	0.8791

Error Coefficients

Standard Error:	3530000
Relative Standard Error:	7.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.048004	1.25	1154380.0	0.960082	Y
2	IC 200-182319/6	0.1	0.088153	1.25	1231772.0	0.881535	Y
3	IC 200-182319/7	0.5	0.463621	1.25	1166932.0	0.927241	Y
4	ICIS 200-182319/8	1.0	0.901039	1.25	1247905.0	0.901039	Y
5	IC 200-182319/9	2.5	2.051871	1.25	1195679.0	0.820748	Y
6	IC 200-182319/10	10.0	7.840546	1.25	1209177.0	0.784055	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

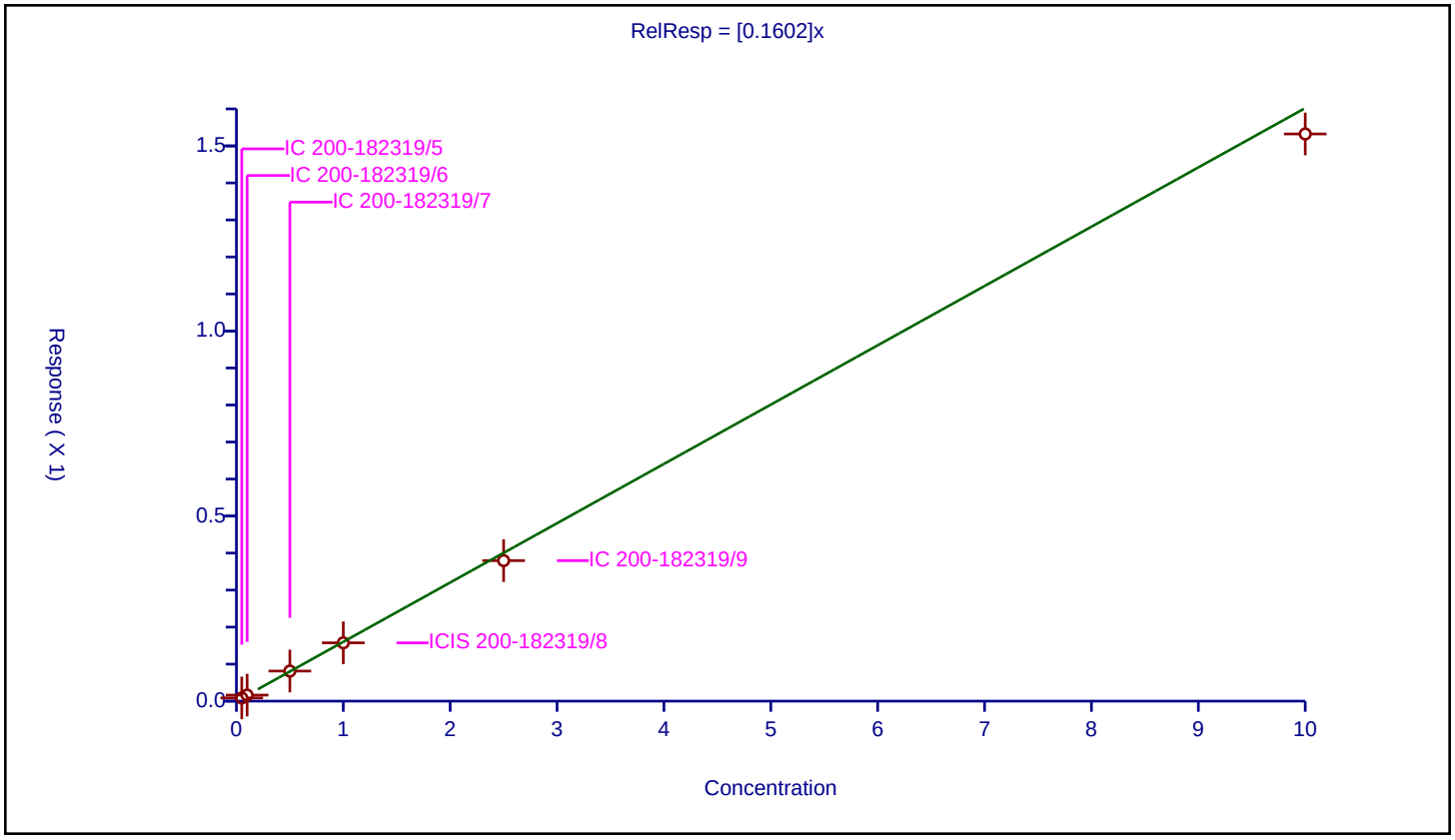
Curve Coefficients

Intercept:	0
Slope:	0.1602

Error Coefficients

Standard Error:	541000
Relative Standard Error:	4.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.008676	1.25	964763.0	0.173514	Y
2	IC 200-182319/6	0.1	0.016268	1.25	974562.0	0.162676	Y
3	IC 200-182319/7	0.5	0.081237	1.25	969884.0	0.162473	Y
4	ICIS 200-182319/8	1.0	0.157542	1.25	1055713.0	0.157542	Y
5	IC 200-182319/9	2.5	0.379591	1.25	979883.0	0.151836	Y
6	IC 200-182319/10	10.0	1.532263	1.25	949490.0	0.153226	Y



Calibration / Perfluorohexadecanoic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

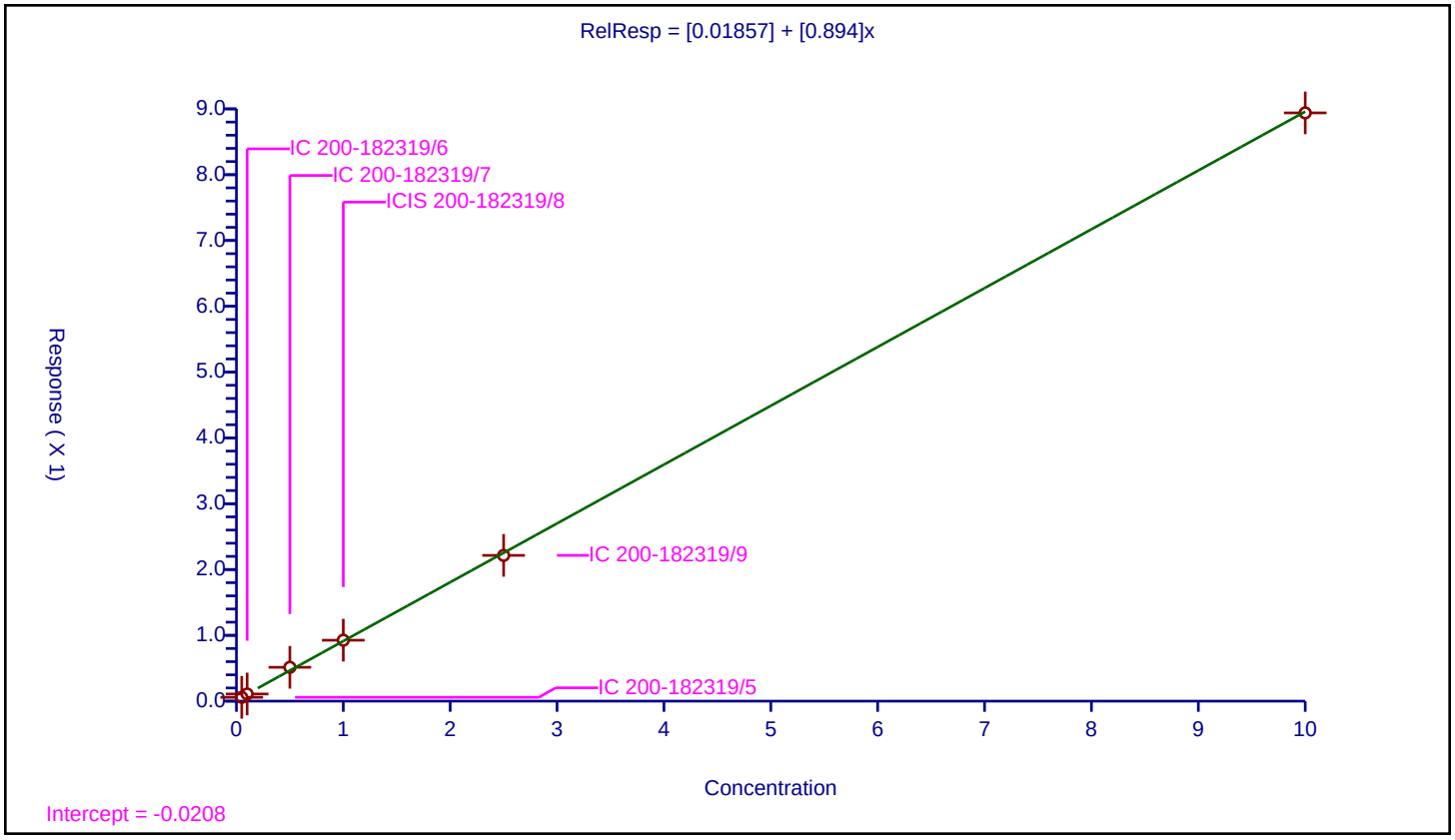
Curve Coefficients

Intercept:	0.01857
Slope:	0.894

Error Coefficients

Standard Error:	4020000
Relative Standard Error:	7.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.05823	1.25	1128787.0	1.164591	Y
2	IC 200-182319/6	0.1	0.108704	1.25	1136259.0	1.087043	Y
3	IC 200-182319/7	0.5	0.514262	1.25	1043688.0	1.028523	Y
4	ICIS 200-182319/8	1.0	0.926013	1.25	1201939.0	0.926013	Y
5	IC 200-182319/9	2.5	2.21484	1.25	1123333.0	0.885936	Y
6	IC 200-182319/10	10.0	8.939215	1.25	1080090.0	0.893921	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	IsoDil
Response Base:	AREA
RF Rounding:	0

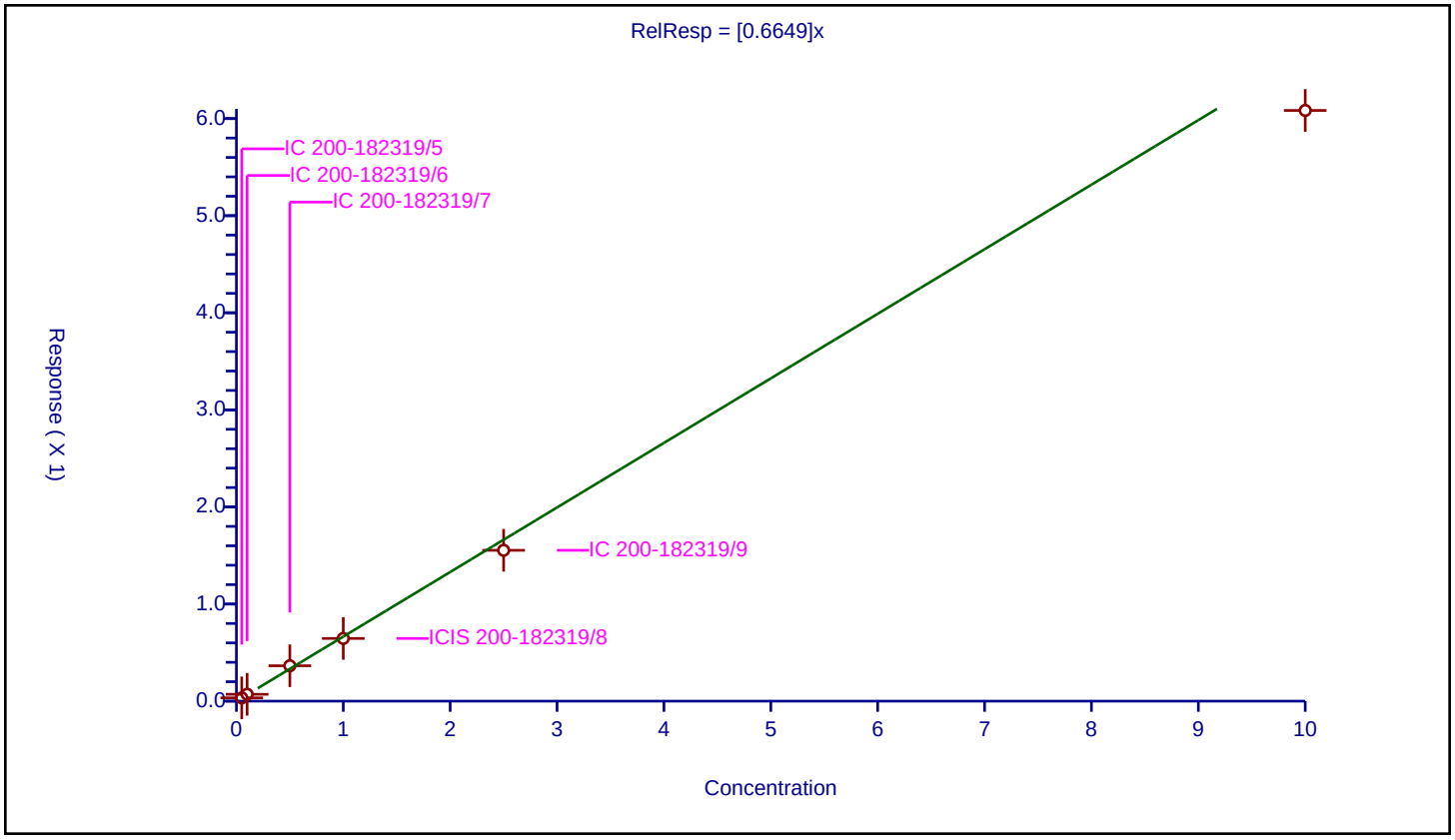
Curve Coefficients

Intercept:	0
Slope:	0.6649

Error Coefficients

Standard Error:	2450000
Relative Standard Error:	7.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 200-182319/5	0.05	0.033874	1.25	1128787.0	0.677475	Y
2	IC 200-182319/6	0.1	0.0707	1.25	1136259.0	0.707002	Y
3	IC 200-182319/7	0.5	0.364545	1.25	1043688.0	0.72909	Y
4	ICIS 200-182319/8	1.0	0.646	1.25	1201939.0	0.646	Y
5	IC 200-182319/9	2.5	1.553621	1.25	1123333.0	0.621448	Y
6	IC 200-182319/10	10.0	6.083758	1.25	1080090.0	0.608376	Y



FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Lab Sample ID: ICV 200-182319/12 Calibration Date: 08/03/2022 13:57

Instrument ID: LC812 Calib Start Date: 08/03/2022 13:00

GC Column: C-18 ID: 4.60(mm) Calib End Date: 08/03/2022 13:41

Lab File ID: PA220803ICAL12.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	0.9697	0.9460		0.976	1.00	-2.4	30.0
Perfluoropentanoic acid (PFPeA)	AveID	1.031	1.047		1.03	1.01	1.6	30.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.104	1.066		0.965	1.00	-3.5	30.0
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	2.377	2.447		1.03	1.00	3.0	30.0
Perfluorohexanoic acid (PFHxA)	AveID	1.043	1.057		1.02	1.01	1.3	30.0
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.297	1.357		1.05	1.00	4.7	30.0
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.075	1.046		0.983	1.01	-2.7	30.0
Perfluoroheptanoic acid (PFHpA)	AveID	1.031	1.001		0.971	1.00	-2.9	30.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.103	1.101		1.01	1.01	-0.2	30.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	4.119	4.453		1.08	1.00	8.1	30.0
6:2 FTS	L1ID		1.574		1.06	1.00	6.3	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.236	1.278		1.03	1.00	3.4	30.0
Perfluorooctanoic acid (PFOA)	AveID	1.121	1.068		0.952	1.00	-4.8	30.0
Perfluorooctanesulfonic acid (PFOS)	L1ID		0.998		0.995	1.01	-1.5	30.0
Perfluorononanoic acid (PFNA)	AveID	1.017	1.110		1.09	1.00	9.1	30.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	AveID	1.766	2.004		1.14	1.00	13.5	30.0
Perfluorononanesulfonic acid (PFNS)	AveID	0.7830	0.8099		1.05	1.01	3.4	30.0
Perfluorodecanoic acid (PFDA)	AveID	1.052	1.112		1.06	1.00	5.7	30.0
8:2 FTS	AveID	0.9657	1.032		1.08	1.01	6.8	30.0
Perfluorooctanesulfonamide (FOSA)	AveID	1.019	0.9667		0.949	1.00	-5.1	30.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.8881	0.9340		1.05	1.00	5.2	30.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.5827	0.6537		1.13	1.01	12.2	30.0
Perfluoroundecanoic acid (PFUnA)	AveID	1.059	1.069		1.01	1.00	0.9	30.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.9079	0.9689		1.07	1.00	6.7	30.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	AveID	2.299	2.987		1.30	1.00	29.9	30.0
Perfluorododecanoic acid (PFDoA)	AveID	1.014	1.004		0.990	1.00	-1.0	30.0
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	AveID	0.4511	0.4560		0.974	0.964	1.1	30.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.2587	0.2979		1.12	0.968	15.1	30.0

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Lab Sample ID: ICV 200-182319/12 Calibration Date: 08/03/2022 13:57

Instrument ID: LC812 Calib Start Date: 08/03/2022 13:00

GC Column: C-18 ID: 4.60(mm) Calib End Date: 08/03/2022 13:41

Lab File ID: PA220803ICAL12.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorotridecanoic acid (PFTriA)	AveID	0.8791	0.8186		0.931	1.00	-6.9	30.0
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1602	0.1673		1.04	1.00	4.4	30.0
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		0.9406		1.03	1.00	3.1	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.6649	0.6579		0.989	1.00	-1.1	30.0
13C4 PFBA	Ave	1.167	0.7413		0.794	1.25	-36.5	50.0
13C5 PFPeA	Ave	0.8976	0.5635		0.785	1.25	-37.2	50.0
13C3 PFBS	Ave	1.039	0.6618		0.741	1.16	-36.3	50.0
M2-4:2 FTS	Ave	0.0894	0.0590		0.770	1.17	-34.0	50.0
13C2 PFHxA	Ave	0.8962	0.5832		0.813	1.25	-34.9	50.0
13C3 HFPO-DA	Ave	0.1687	0.1132		0.839	1.25	-32.9	50.0
13C4 PFHpA	Ave	0.9296	0.6159		0.828	1.25	-33.7	50.0
18O2 PFHxS	Ave	0.7305	0.4759		0.770	1.18	-34.8	50.0
M2-6:2 FTS	Ave	0.1223	0.0831		0.807	1.19	-32.0	50.0
13C4 PFOA	Ave	0.9525	0.6382		0.837	1.25	-33.0	50.0
13C4 PFOS	Ave	0.5455	0.3421		0.750	1.20	-37.3	50.0
13C5 PFNA	Ave	0.9889	0.6643		0.840	1.25	-32.8	50.0
13C2 PFDA	Ave	0.9624	0.6127		0.796	1.25	-36.3	50.0
M2-8:2 FTS	Ave	0.1471	0.0995		0.810	1.20	-32.4	50.0
13C8 FOSA	Ave	0.8423	0.5579		0.828	1.25	-33.8	50.0
d3-NMeFOSAA	Ave	0.1290	0.0832		0.806	1.25	-35.5	50.0
13C2 PFUnA	Ave	0.7292	0.4694		0.805	1.25	-35.6	50.0
d5-NEtFOSAA	Ave	0.1221	0.0750		0.767	1.25	-38.6	50.0
13C2 PFDoA	Ave	0.7556	0.4925		0.815	1.25	-34.8	50.0
13C2 PFTeDA	Ave	0.6177	0.4097		0.829	1.25	-33.7	50.0
13C2 PFHxDA	Ave	0.7037	0.4602		0.817	1.25	-34.6	50.0

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 03-Aug-2022 13:57:30 ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 200-0051940-012 Plate: 1 Rack: 1
Operator ID: lc812tech Instrument ID: LC812
Sublist:

Method: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 04-Aug-2022 08:27:14 Calib Date: 03-Aug-2022 13:41:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1631

First Level Reviewer: Z1IP Date: 03-Aug-2022 15:25:02
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.085	2.085	0.0	0.599	2077411	0.7940		63.5	11711	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.085	0.0	1.000	1572247	0.9756			205	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.400	0.0	0.689	1579251	0.7848		62.8	3565	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.400	2.400	0.0	1.000	1336139	1.03			55.7	
D 47 13C3 PFBS										
301.90 > 80.00	2.413	2.413	0.0	0.693	1724804	0.7407		63.7	266445	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.413	2.413	0.0	1.000	1580960	0.9653	Target=2.23		1451	M
298.90 > 99.00	2.413	2.413	0.0	1.000	753866		2.10(1.11-3.34)		607	
D 60 M2-4:2 FTS										
329.00 > 81.00	2.713	2.713	0.0	0.779	154386	0.7701		66.0	163	
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.713	2.713	0.0	1.000	323614	1.03			3105	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.749	2.750	-0.001	1.000	1395731	1.02	Target=12.24		302	M
313.00 > 119.00	2.749	2.750	-0.001	1.000	110153		12.67(6.12-18.36)		193	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.749	2.750	-0.001	0.790	1634296	0.8134		65.1	3427	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.762	2.762	0.0	0.885	1448133	1.05	Target=2.95		1363	M
349.00 > 99.00	2.762	2.762	0.0	0.885	482893		3.00(1.48-4.43)		862	M
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.859	2.859	0.0	1.000	268085	0.9829			2120	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.859	2.859	0.0	0.821	317282	0.8390		67.1	1519	
D 9 13C4 PFHpA										
367.00 > 322.00	3.121	3.121	0.0	0.896	1726109	0.8282		66.3	2974	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.121	3.121	0.0	1.000	1382157	0.9712	Target=3.73		399	M
363.00 > 169.00	3.121	3.121	0.0	1.000	361324		3.83(1.86-5.59)		709	
D 11 18O2 PFHxS										
403.00 > 84.00	3.121	3.121	0.0	0.896	1261733	0.7704		65.2	2565	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.121	3.121	0.0	1.000	1186420	1.01	Target=3.43		1060	M
399.00 > 99.00	3.121	3.121	0.0	1.000	317682		3.73(1.72-5.15)		427	M
77 DONA										M
377.00 > 251.00	3.165	3.165	0.0	0.833	3415601	1.08	Target=2.84		2869	
377.00 > 85.00	3.165	3.165	0.0	0.833	1181754		2.89(1.42-4.26)		1265	M
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.473	3.474	-0.001	0.997	221205	0.8070		68.0	483	M
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.473	3.474	-0.001	1.000	293223	1.06			388	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.473	3.474	-0.001	0.914	980236	1.03	Target=4.89		1422	M
449.00 > 99.00	3.473	3.474	-0.001	0.914	199020		4.93(2.44-7.33)		733	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.481	3.482	-0.001	1.000	1527957	0.9523	Target=2.67		168	M
413.00 > 169.00	3.481	3.482	-0.001	1.000	582551		2.62(1.34-4.01)		963	M
D 14 13C4 PFOA										
417.00 > 372.00	3.481	3.482	-0.001	1.000	1788434	0.8375		67.0	2481	
* 62 13C2 PFOA										M
415.00 > 370.00	3.481	3.482	-0.001		2802391	1.25			2953	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.801	3.802	-0.001	1.000	773514	1.00	Target=4.88		404	M
499.00 > 99.00	3.801	3.802	-0.001	1.000	156755		4.93(2.44-7.32)		333	M
D 18 13C4 PFOS										M
503.00 > 80.00	3.801	3.802	-0.001	1.092	916636	0.7496		62.7	1810	M
D 19 13C5 PFNA										M
468.00 > 423.00	3.821	3.822	-0.001	1.098	1861564	0.8397		67.2	2188	M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.821	3.822	-0.001	1.000	1653363	1.09	Target=8.23		473	
463.00 > 169.00	3.821	3.822	-0.001	1.000	209775		7.88(4.11-12.34)		1374	M
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.969	3.969	0.0	1.044	1537545	1.13			3091	M
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.104	4.093	0.011	1.080	627438	1.04	Target=2.53		1641	M
549.00 > 99.00	4.104	4.093	0.011	1.080	256410		2.45(1.26-3.79)		882	M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.138	4.127	0.011	1.000	232301	1.08			740	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.127	4.127	0.0	1.000	1526795	1.06	Target=9.67		818	M
513.00 > 169.00	4.127	4.127	0.0	1.000	168907		9.04(4.83-14.50)		934	
D 23 13C2 PFDA										M
515.00 > 470.00	4.127	4.127	0.0	1.185	1716953	0.7957		63.7	1817	M
D 26 M2-8:2 FTS										M
529.00 > 81.00	4.138	4.138	0.0	1.189	267004	0.8096		67.6	985	M
D 21 13C8 FOSA										M
506.00 > 78.00	4.173	4.173	0.0	1.199	1563396	0.8279		66.2	1641	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.184	4.173	0.011	1.003	1209120	0.9487			1372	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.273	4.273	0.0	1.000	174136	1.05			412	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.273	4.273	0.0	1.227	233049	0.8058		64.5	781	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.365	4.365	0.0	1.148	506441	1.13	Target=2.80		1758	M
599.00 > 99.00	4.365	4.365	0.0	1.148	184002		2.75(1.40-4.20)		722	M
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.398	4.399	-0.001	1.000	1125072	1.01	Target=9.07		736	M
563.00 > 169.00	4.398	4.399	-0.001	1.000	123605		9.10(4.54-13.61)		471	
D 30 13C2 PFUnA										M
565.00 > 520.00	4.398	4.399	-0.001	1.263	1315326	0.8046		64.4	1327	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.410	4.410	0.0	1.000	162832	1.07			818	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.410	4.410	0.0	1.267	210080	0.7675		61.4	896	
66 11-Chloroeicosafluoro-3-oxaundec										M
631.00 > 451.00	4.504	4.491	0.013	1.185	2291190	1.30			1858	M
D 36 13C2 PFDoA										M
615.00 > 570.00	4.633	4.633	0.0	1.331	1380113	0.8147		65.2	2059	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.633	4.633	0.0	1.000	1108763	0.99	Target=6.97		140	
613.00 > 169.00	4.633	4.633	0.0	1.000	162557		6.82(3.48-10.45)		571	M
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.654	4.654	0.0	1.125	98005	0.9743			903	
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.813	4.813	0.0	1.266	221186	1.11	Target=0.52		1301	M
699.00 > 99.00	4.813	4.813	0.0	1.266	409515		0.54(0.26-0.79)		2011	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.859	4.859	0.0	1.049	903791	0.9311	Target=4.56		131	M
663.00 > 169.00	4.859	4.859	0.0	1.049	203457		4.44(2.28-6.84)		325	M
D 43 13C2 PFTeDA										
715.00 > 670.00	5.052	5.052	0.0	1.451	1148138	0.8291		66.3	6639	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.052	5.052	0.0	1.000	153673	1.04	Target=0.94		531	M
713.00 > 219.00	5.052	5.052	0.0	1.000	163334		0.94(0.47-1.41)		288	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										M
815.00 > 770.00	5.422	5.422	0.0	1.557	1289531	0.8174		65.4	2525	M
45 Perfluorohexadecanoic acid										M
813.00 > 769.00	5.422	5.422	0.0	1.000	970321	1.03	Target=4.38		196	
813.00 > 169.00	5.422	5.422	0.0	1.000	221132		4.39(2.19-6.57)		1038	M
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.786	5.786	0.0	1.067	678664	0.9894	Target=4.31		149	M
913.00 > 169.00	5.776	5.786	-0.010	1.065	160592		4.23(2.16-6.47)		646	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

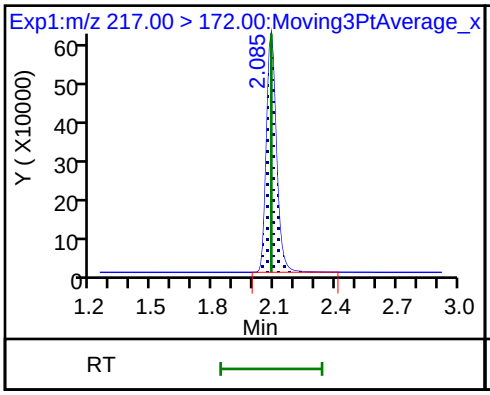
LCPFAS28NCICV_00009 Amount Added: 100.00 Units: uL

Report Date: 04-Aug-2022 08:27:15 Chrom Revision: 2.3 29-Jul-2022 15:21:48

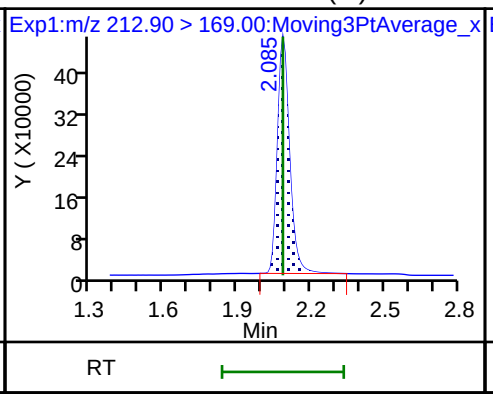
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL

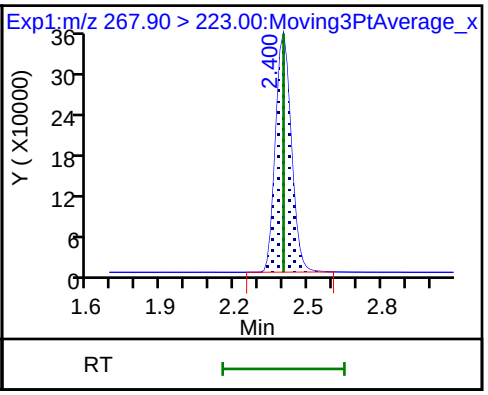
D 1 13C4 PFBA



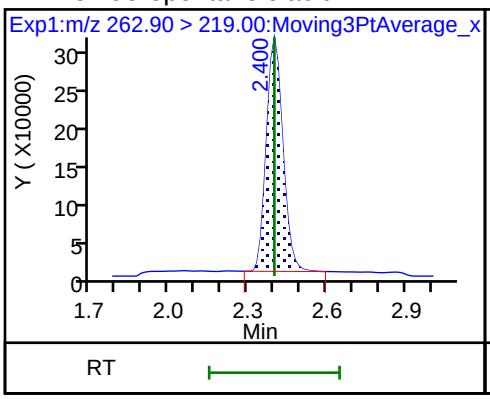
2 Perfluorobutanoic acid (M)



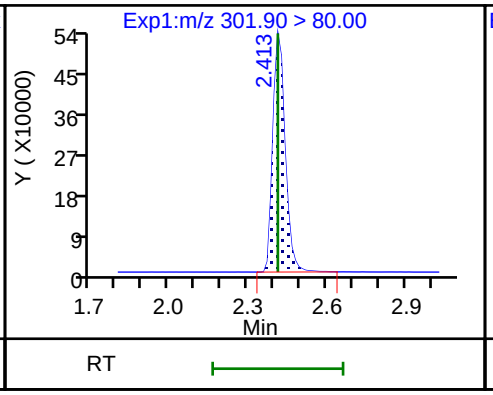
D 3 13C5 PFPeA



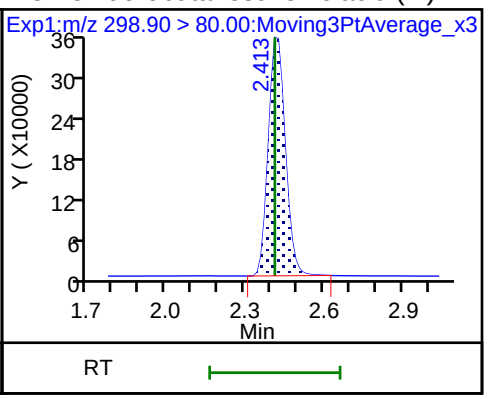
4 Perfluoropentanoic acid



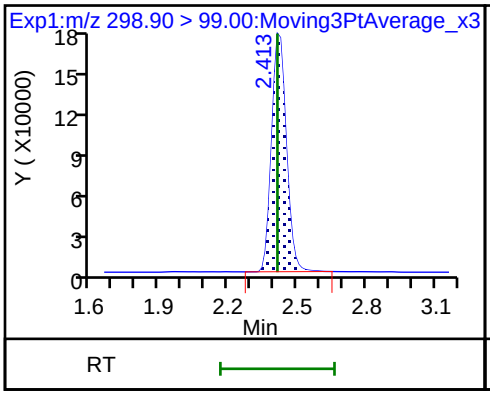
D 47 13C3 PFBS



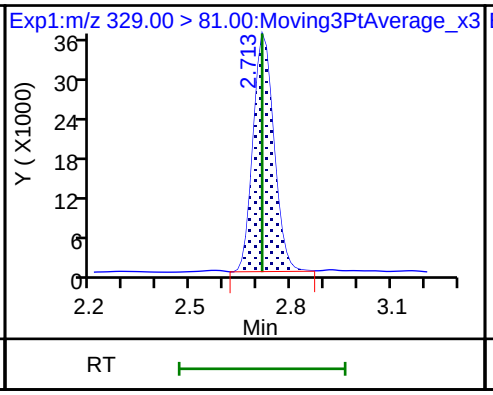
5 Perfluorobutanesulfonic acid (M)



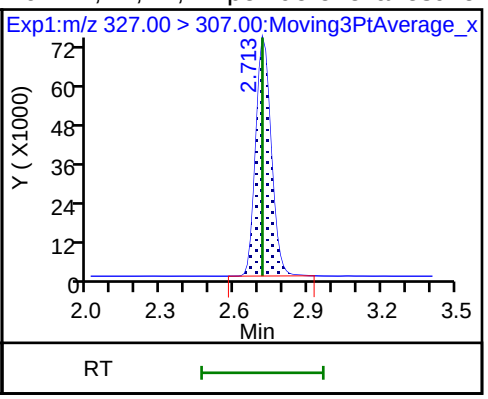
5 Perfluorobutanesulfonic acid



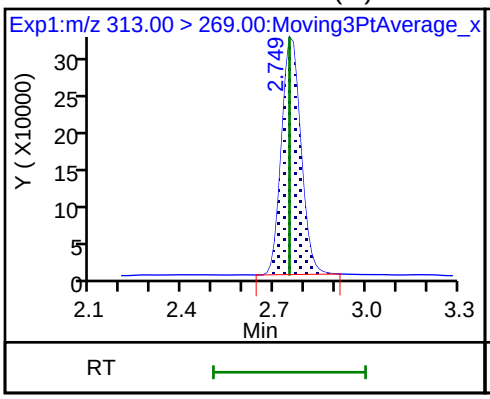
D 60 M2-4:2 FTS



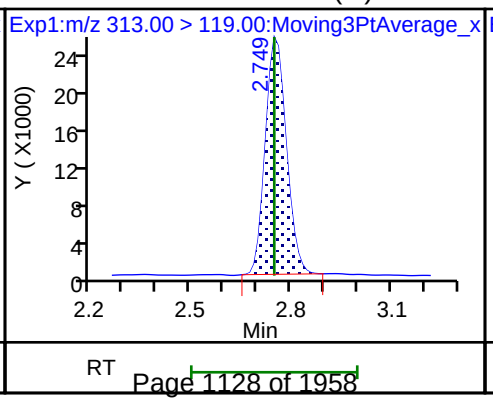
61 1H,1H,2H,2H-perfluorohexanesulfo



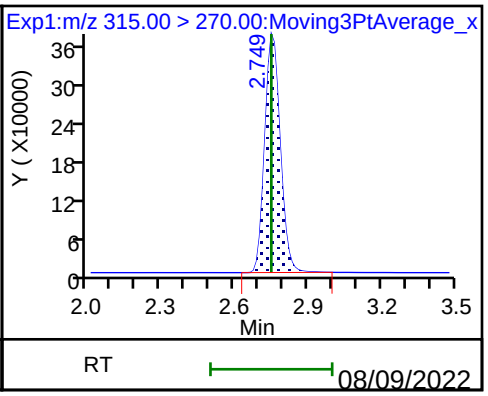
6 Perfluorohexanoic acid (M)



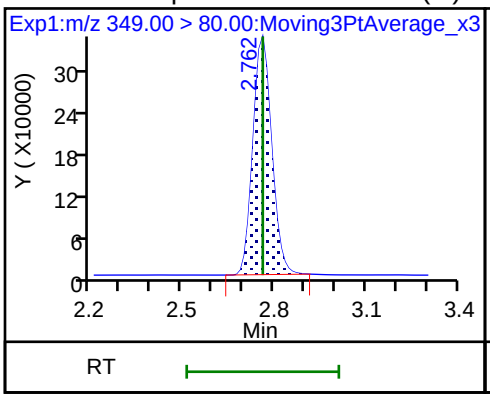
6 Perfluorohexanoic acid (M)



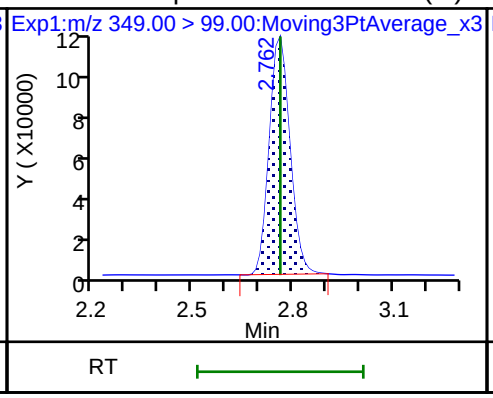
D 7 13C2 PFHxA



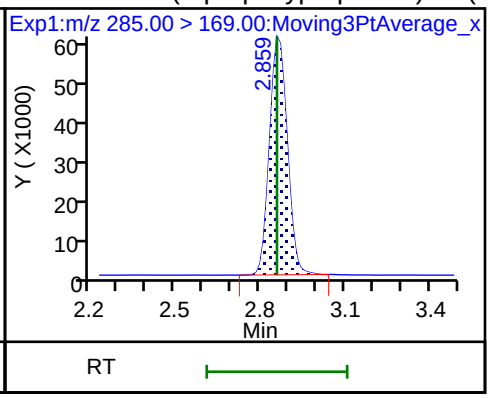
70 Perfluoropentanesulfonic acid (M)



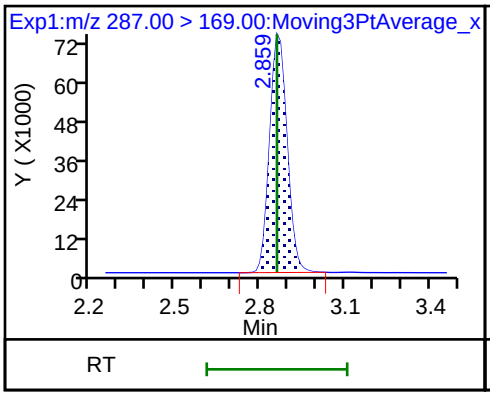
70 Perfluoropentanesulfonic acid (M)



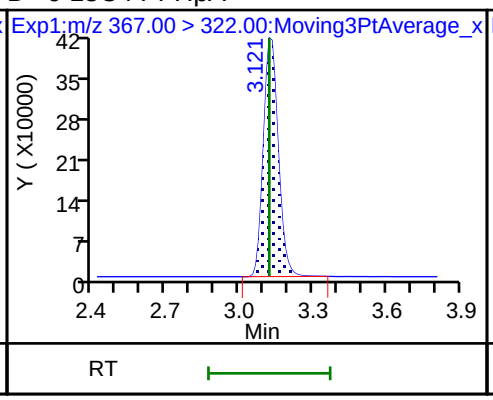
67 Perfluoro(2-propoxypropanoic) ac (M)



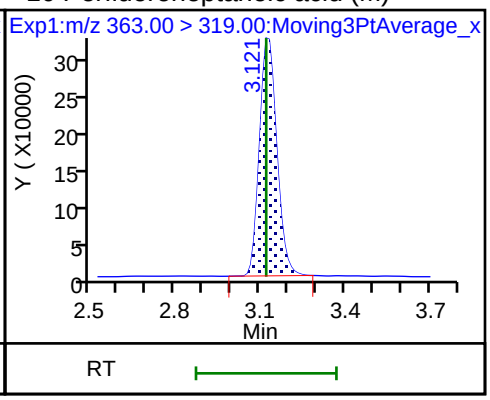
D 64 13C3 HFPO-DA



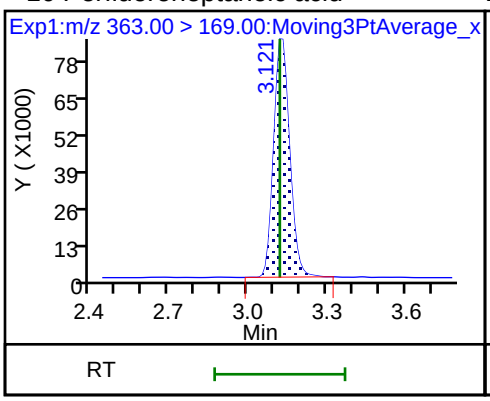
D 9 13C4 PFHpA



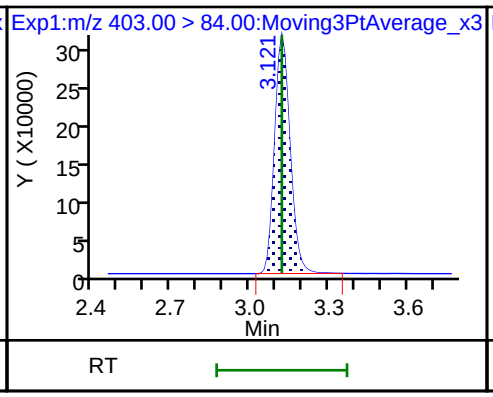
10 Perfluoroheptanoic acid (M)



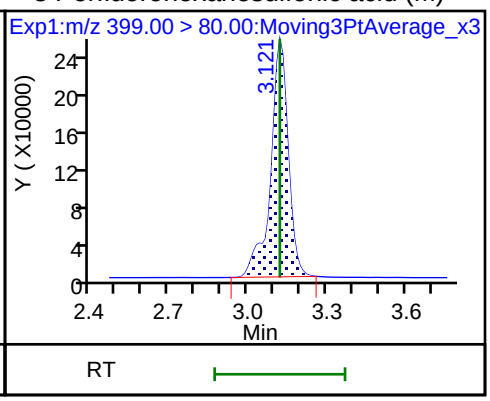
10 Perfluoroheptanoic acid



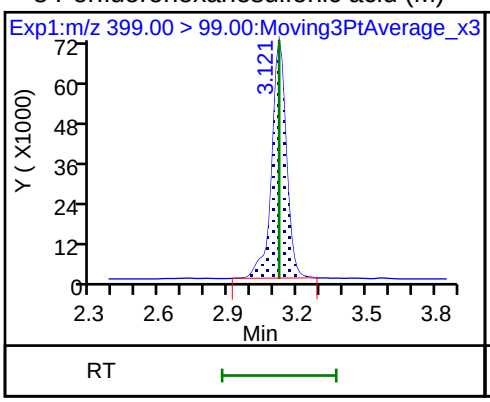
D 11 18O2 PFHxS



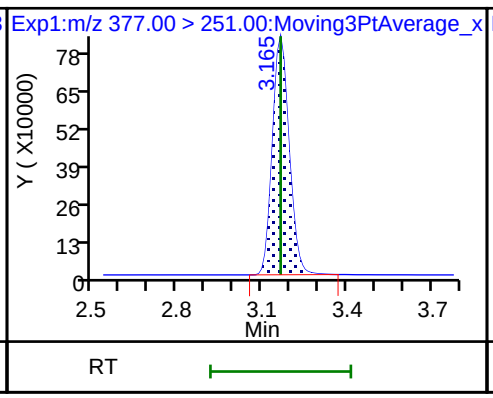
8 Perfluorohexanesulfonic acid (M)



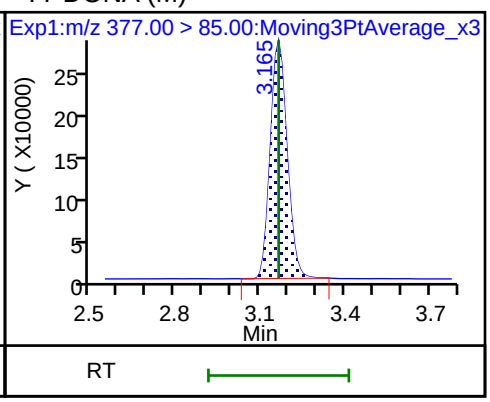
8 Perfluorohexanesulfonic acid (M)



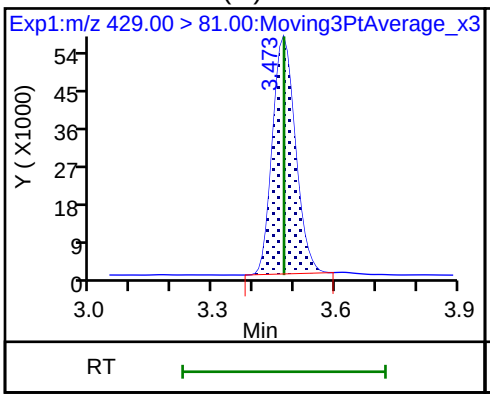
77 DONA



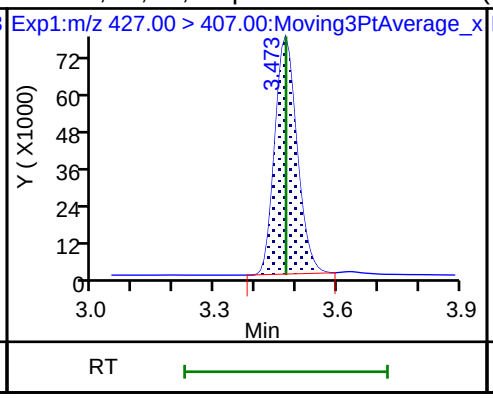
77 DONA (M)



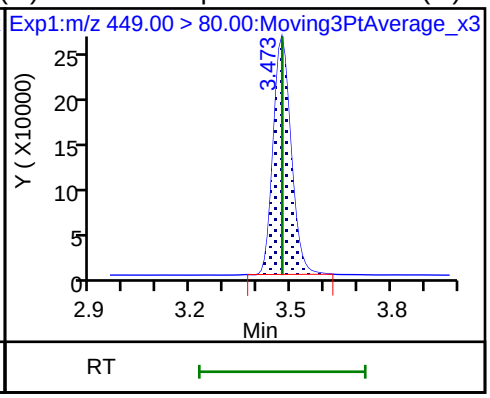
D 12 M2-6:2 FTS (M)



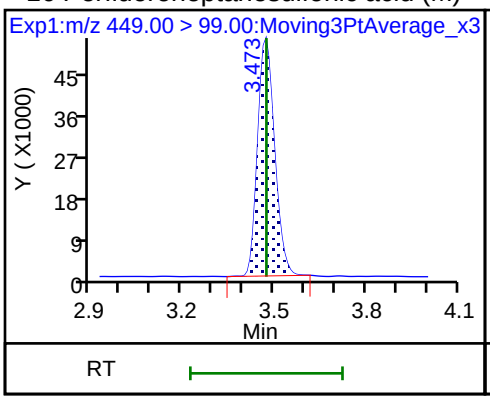
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



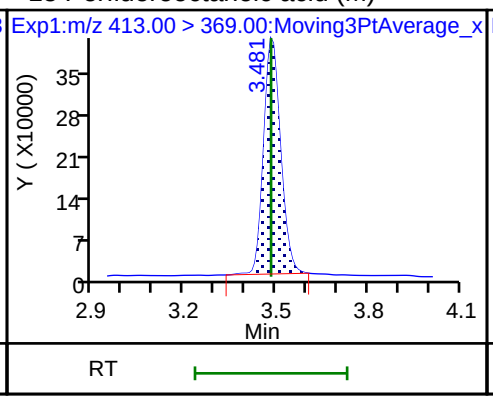
16 Perfluoroheptanesulfonic acid (M)



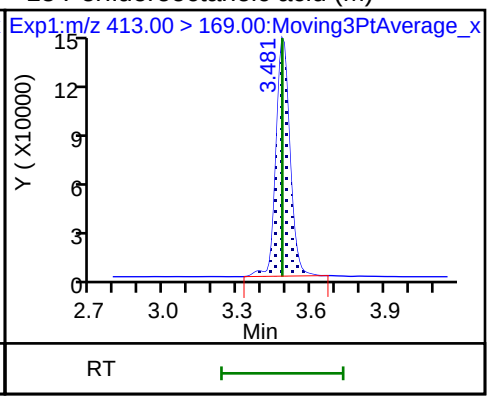
16 Perfluoroheptanesulfonic acid (M)



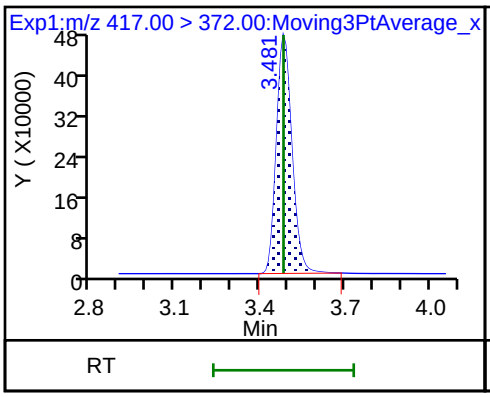
15 Perfluorooctanoic acid (M)



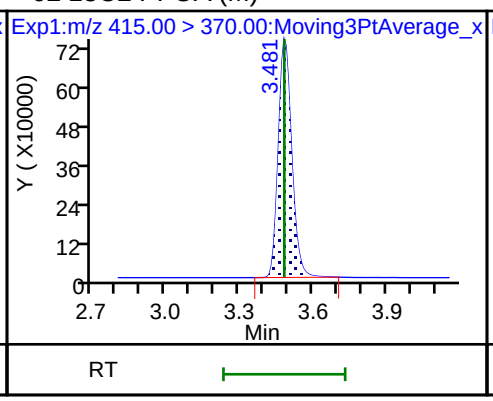
15 Perfluorooctanoic acid (M)



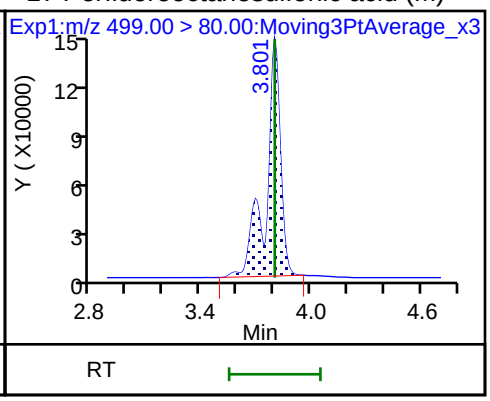
D 14 13C4 PFOA



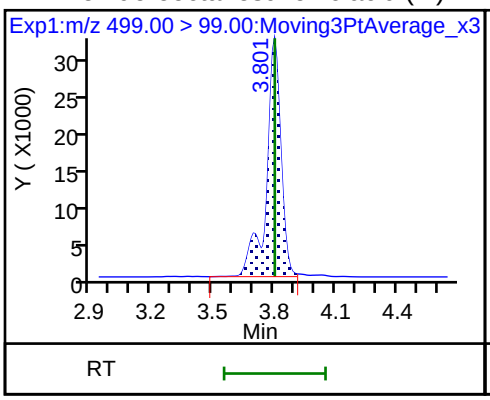
* 62 13C2 PFOA (M)



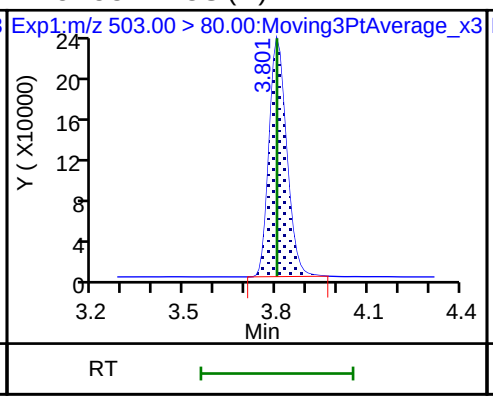
17 Perfluorooctanesulfonic acid (M)



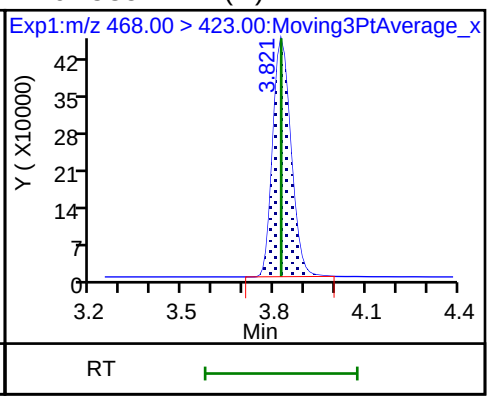
17 Perfluorooctanesulfonic acid (M)



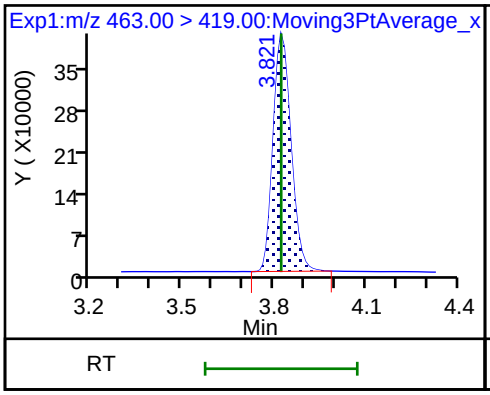
D 18 13C4 PFOS (M)



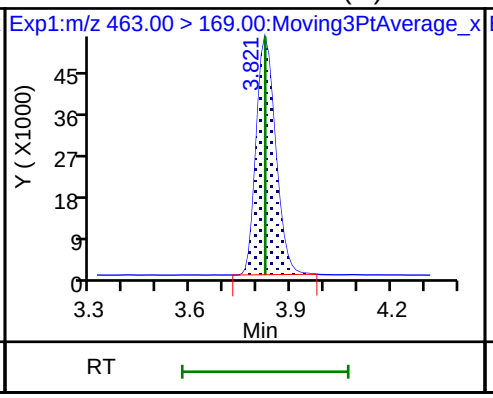
D 19 13C5 PFNA (M)



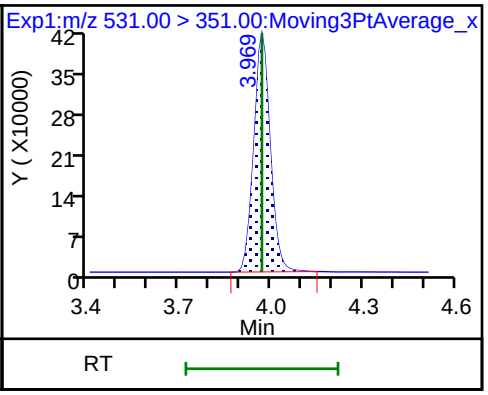
20 Perfluorononanoic acid



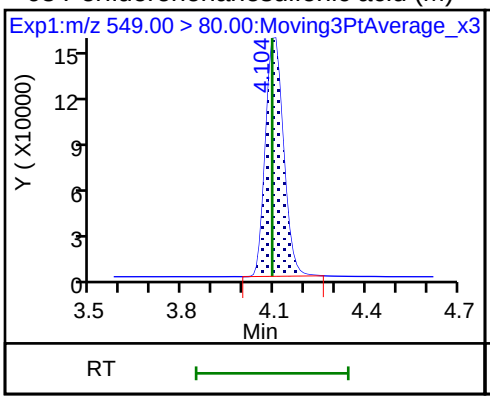
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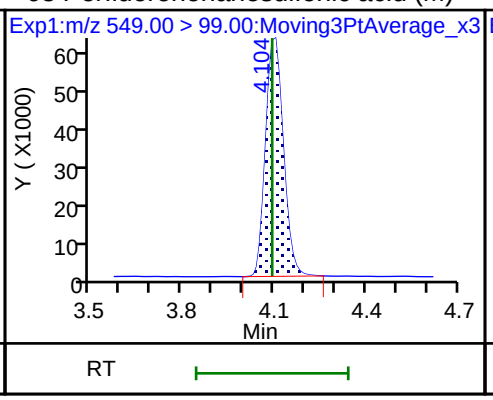
69 9-Chlorohexadecafluoro-3-oxanona (M)



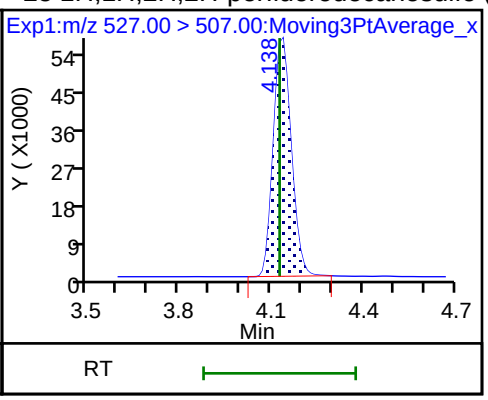
68 Perfluorononanesulfonic acid (M)



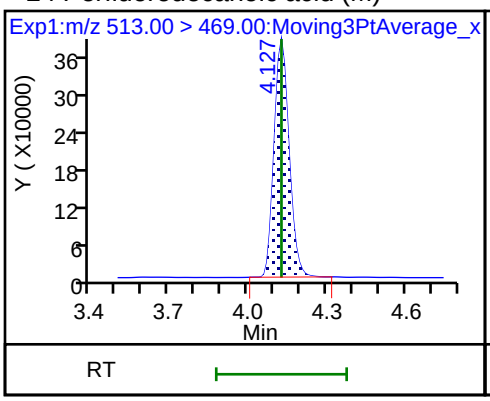
68 Perfluorononanesulfonic acid (M)



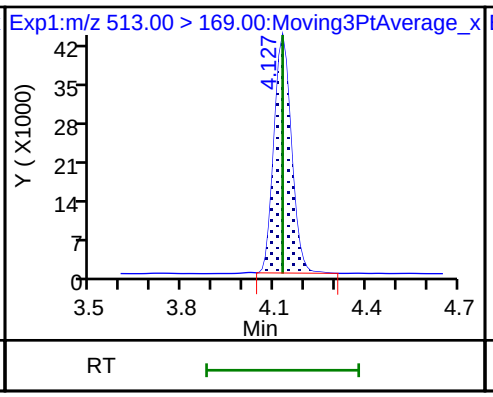
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



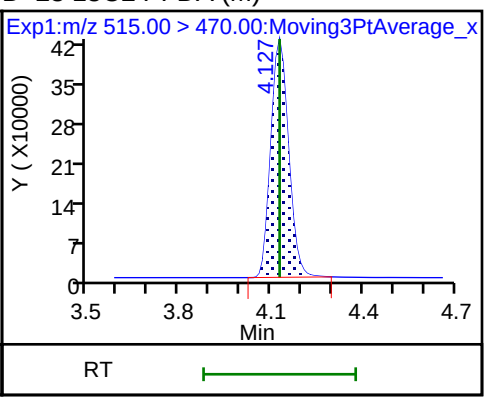
24 Perfluorodecanoic acid (M)



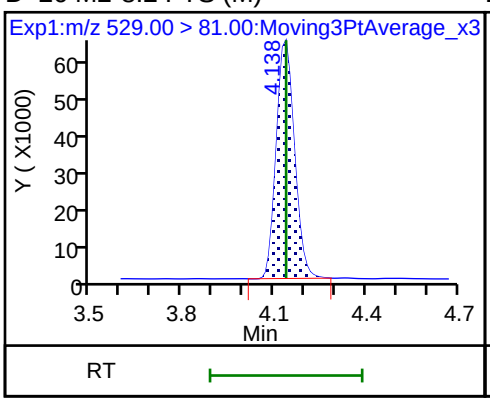
24 Perfluorodecanoic acid



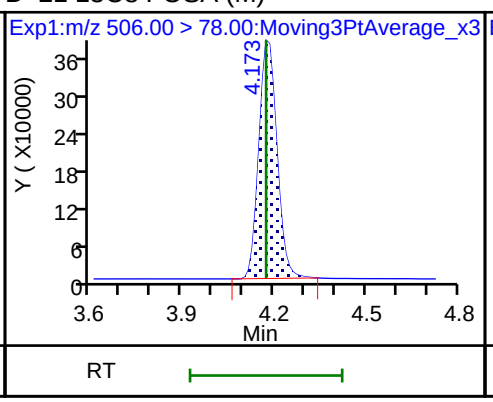
D 23 13C2 PFDA (M)



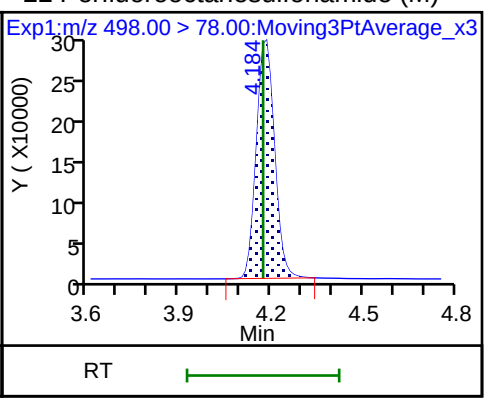
D 26 M2-8:2 FTS (M)



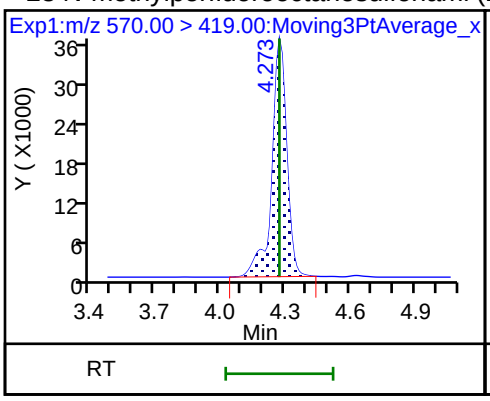
D 21 13C8 FOSA (M)



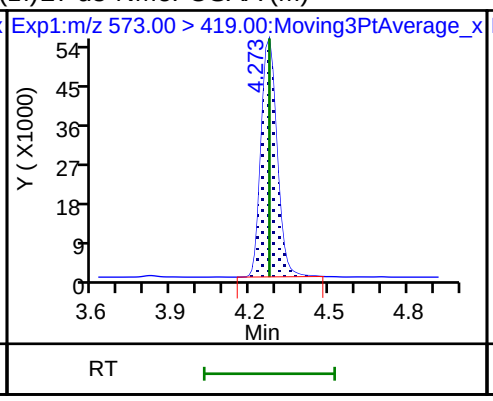
22 Perfluorooctanesulfonamide (M)



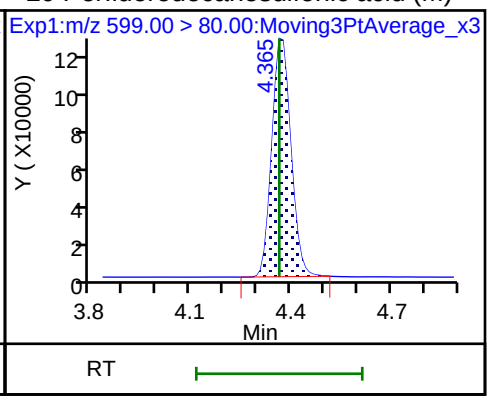
28 N-methylperfluorooctanesulfonami (M)



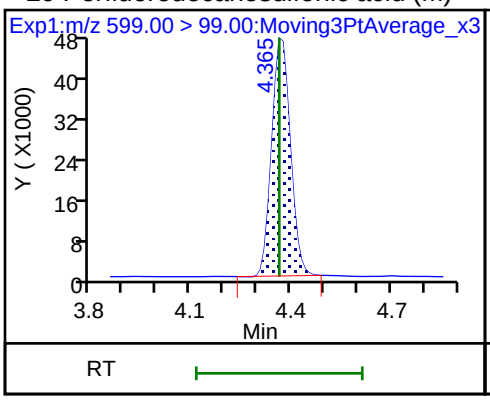
D 27 d3-NMeFOSAA (M)



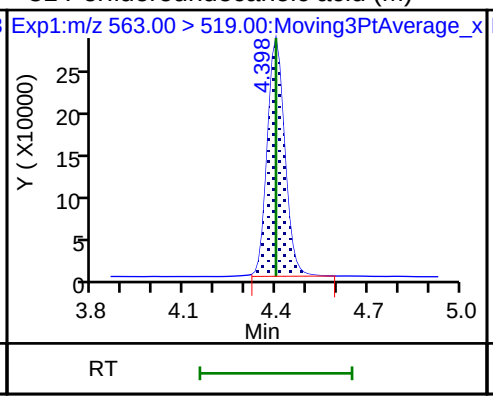
29 Perfluorodecanesulfonic acid (M)



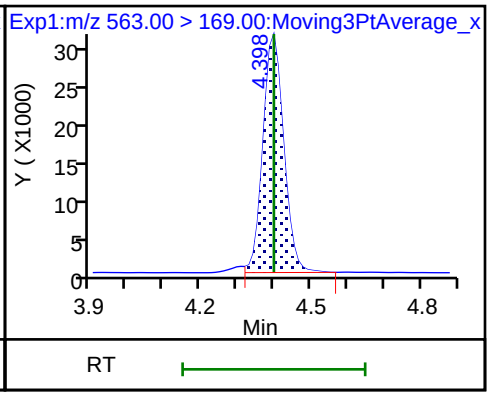
29 Perfluorodecanesulfonic acid (M)



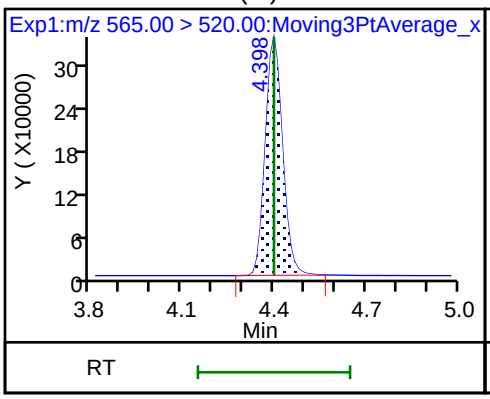
31 Perfluoroundecanoic acid (M)



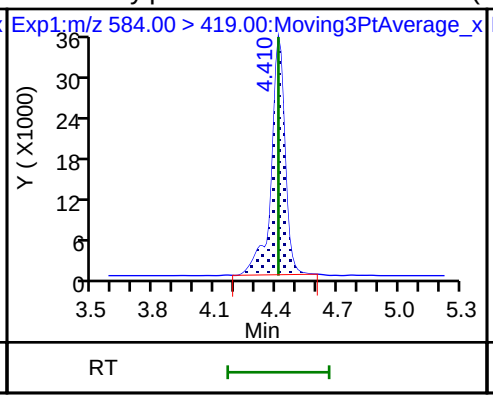
31 Perfluoroundecanoic acid



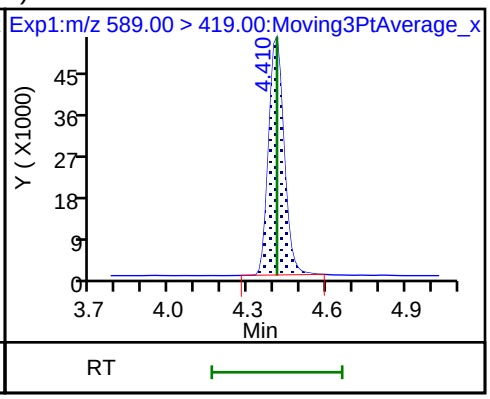
D 30 13C2 PFUnA (M)



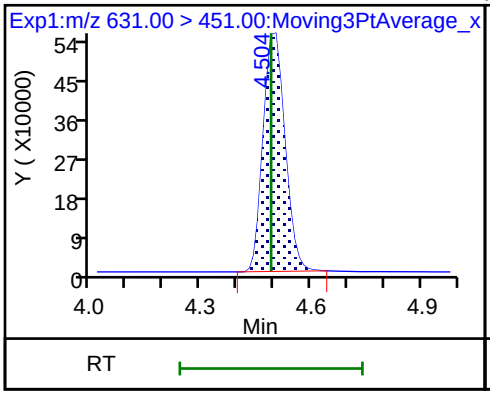
33 N-ethylperfluorooctanesulfonamid (M)



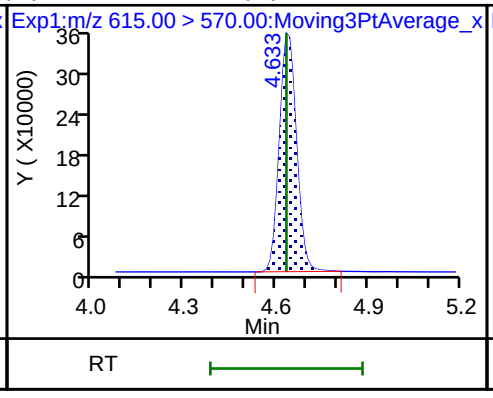
D 32 d5-NEtFOSAA



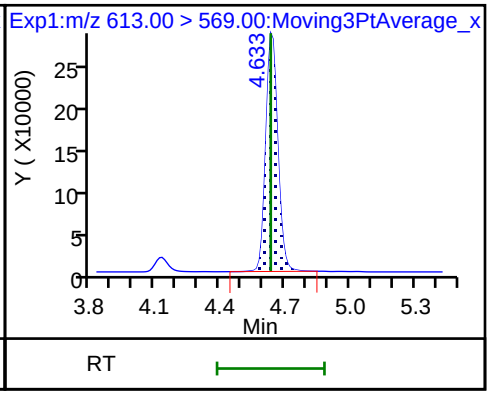
66 11-Chloroeicosafluoro-3-oxaundec (M)



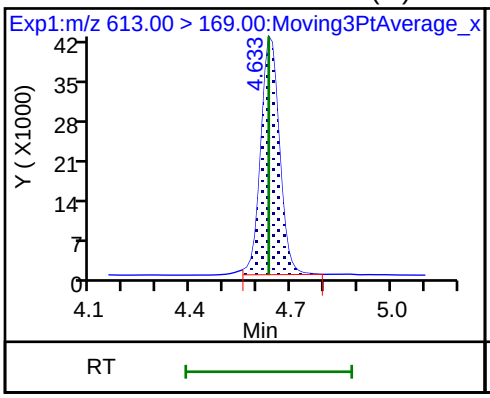
D 36 13C2 PFDoA (M)



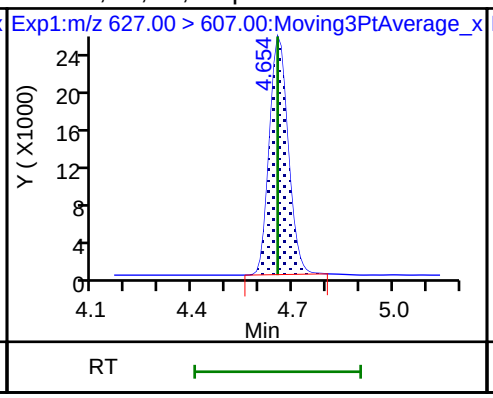
37 Perfluorododecanoic acid



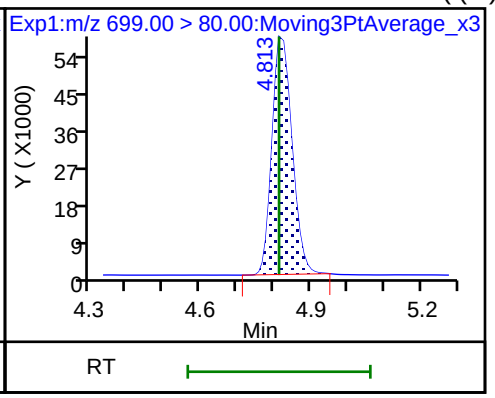
37 Perfluorododecanoic acid (M)



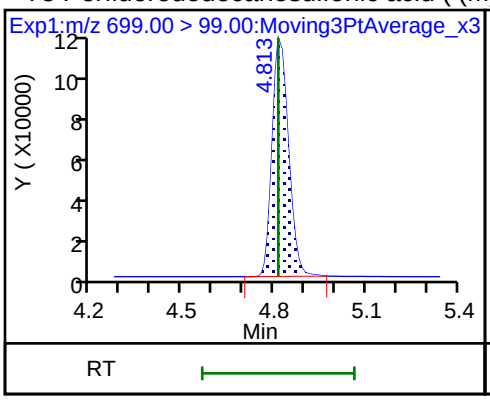
74 1H,1H,2H,2H-perfluorododecanesul



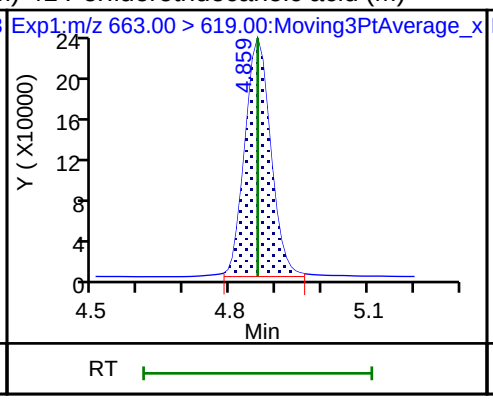
75 Perfluorododecanesulfonic acid ((M)



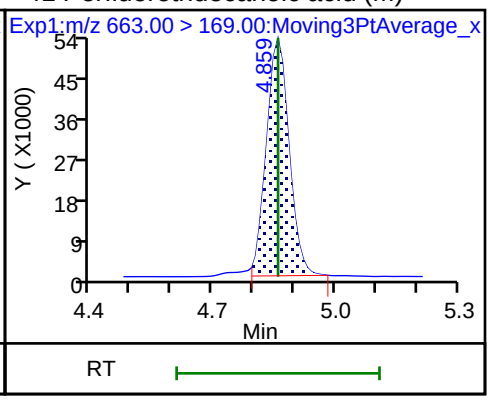
75 Perfluorododecanesulfonic acid ((M)



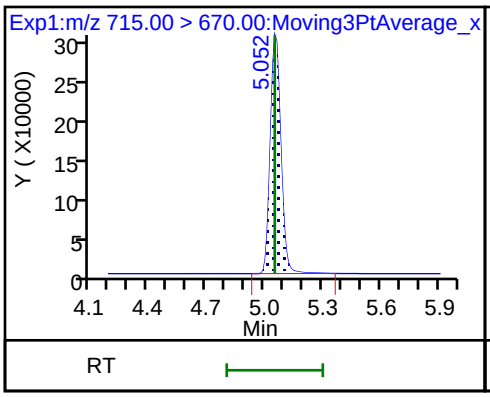
41 Perfluorotridecanoic acid (M)



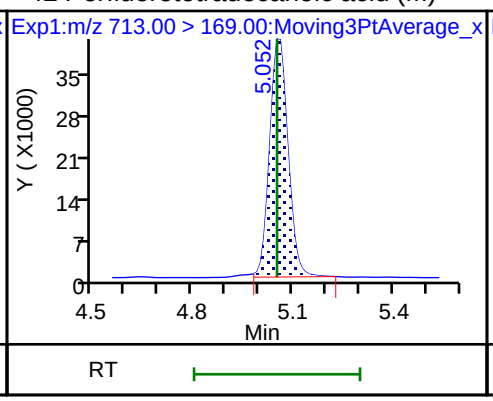
41 Perfluorotridecanoic acid (M)



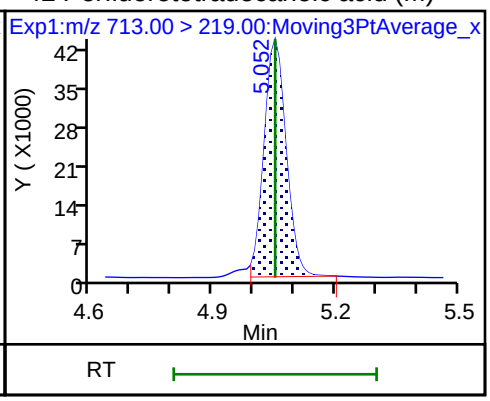
D 43 13C2 PFTeDA



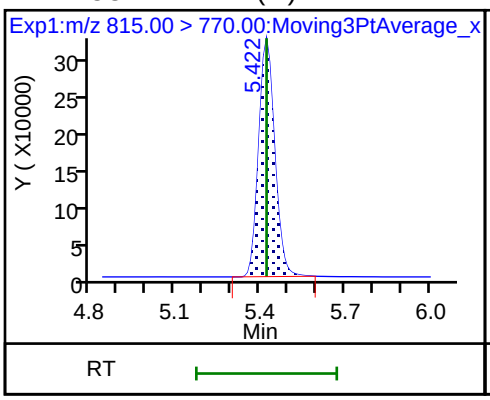
42 Perfluorotetradecanoic acid (M)



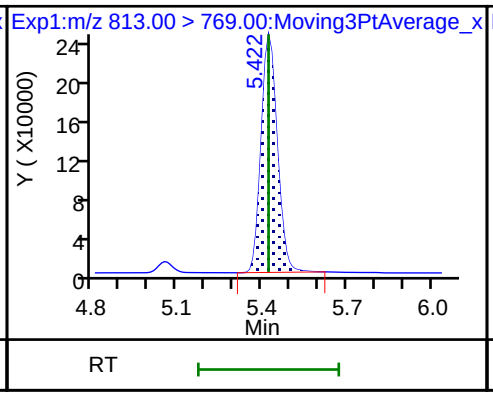
42 Perfluorotetradecanoic acid (M)



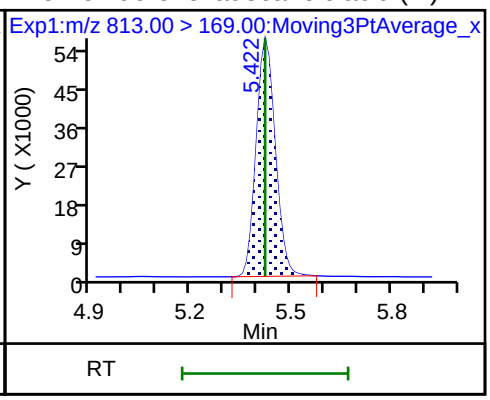
D 44 13C2 PFHxDA (M)



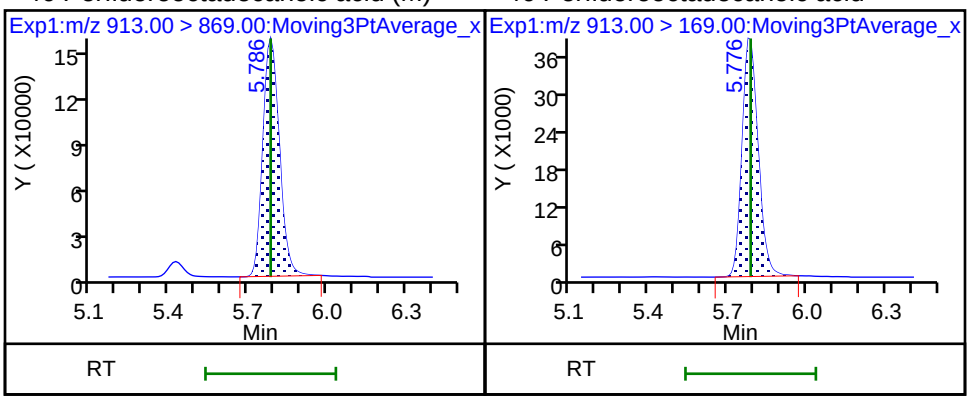
45 Perfluorohexadecanoic acid



45 Perfluorohexadecanoic acid (M)



46 Perfluorooctadecanoic acid (M) 46 Perfluorooctadecanoic acid



Manual Integration/User Assign Peak Report

Eurofins Burlington

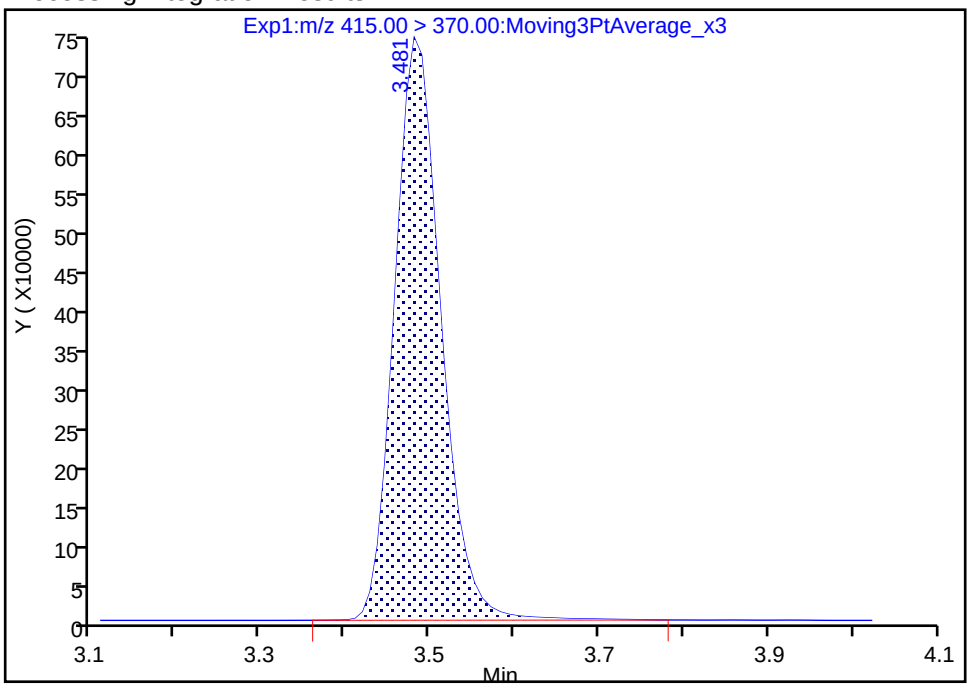
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

* 62 13C2 PFOA, CAS: STL00623

Signal: 1

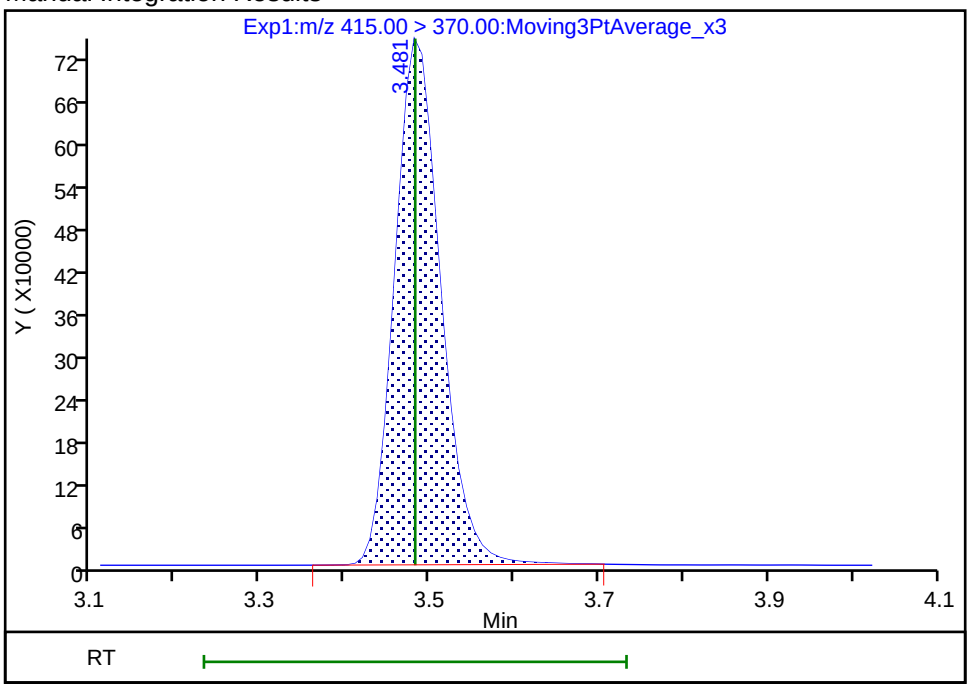
Processing Integration Results

RT: 3.48
Area: 2816125
Amount: 1.250000
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 2802391
Amount: 1.250000
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:24:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

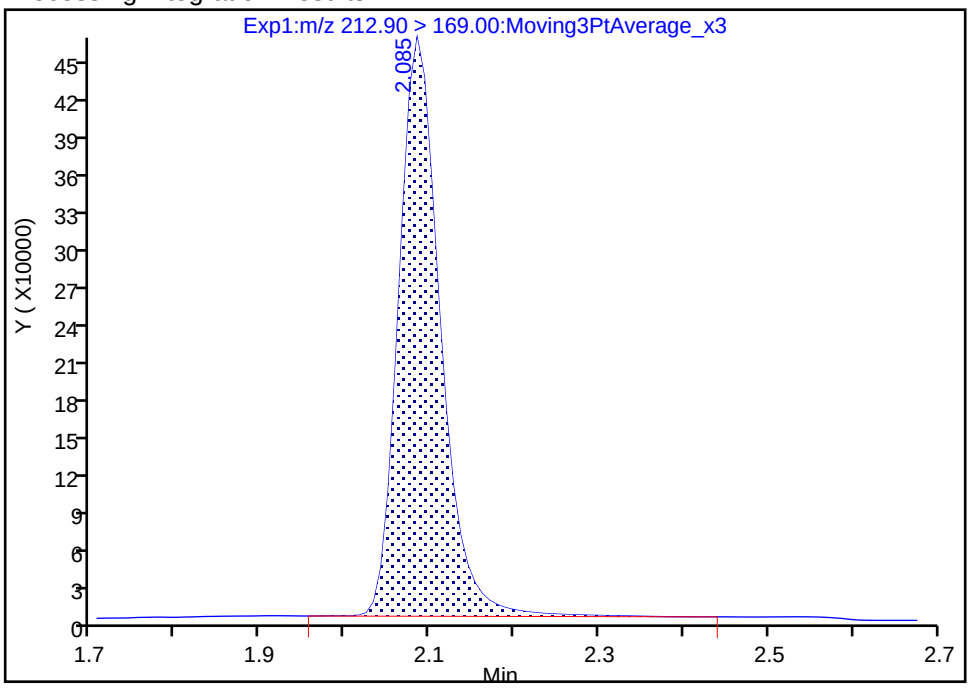
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

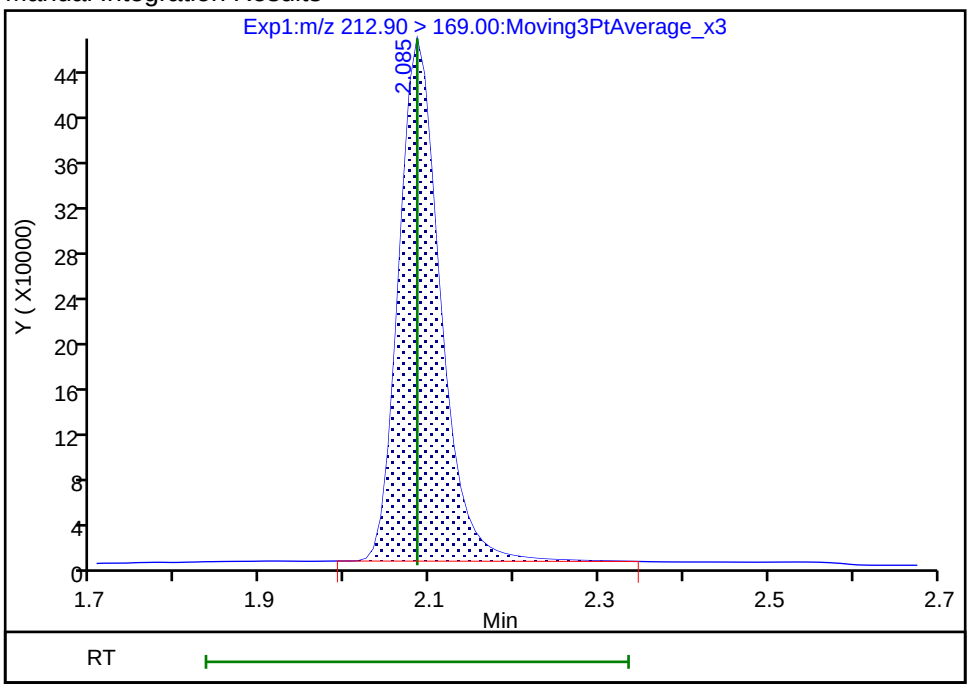
Processing Integration Results

RT: 2.08
Area: 1580600
Amount: 0.980791
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 1572247
Amount: 0.975608
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:35:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

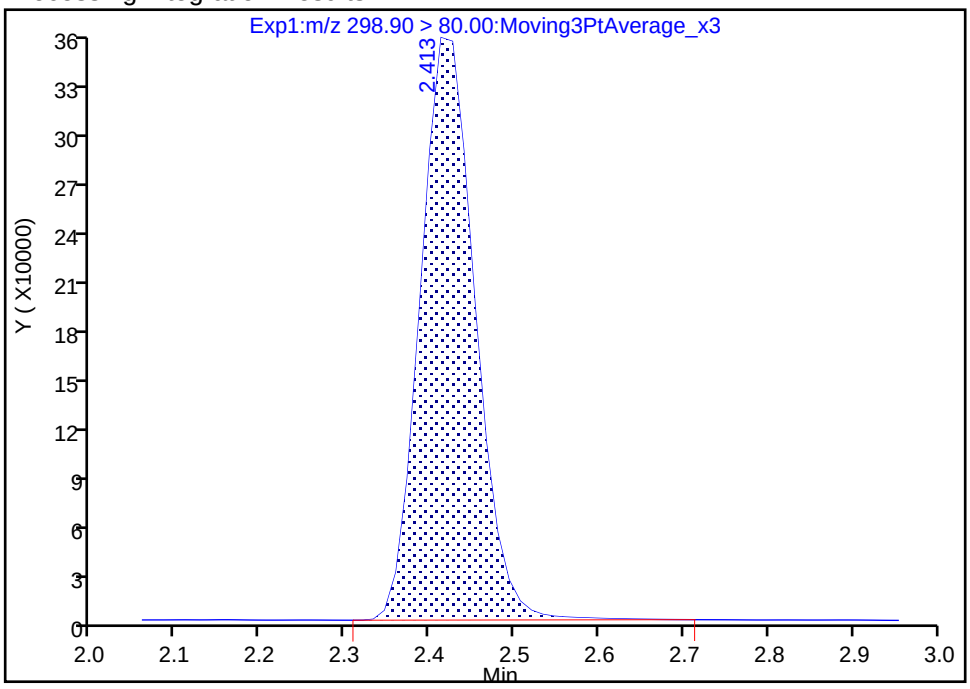
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

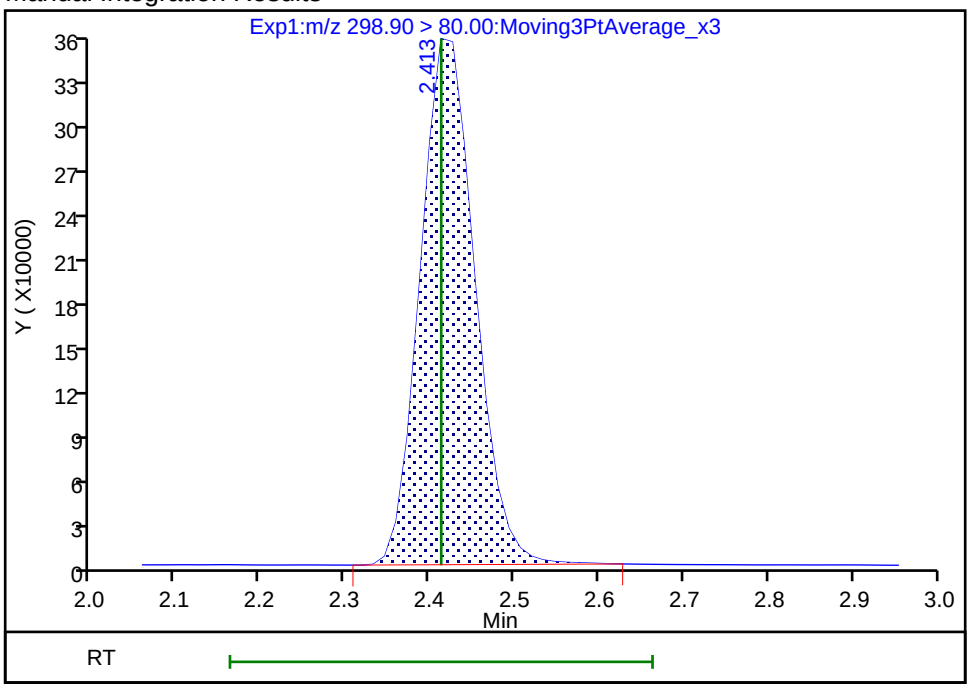
Processing Integration Results

RT: 2.41
Area: 1587024
Amount: 0.969012
Amount Units: ng/ml



Manual Integration Results

RT: 2.41
Area: 1580960
Amount: 0.965310
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:36:41
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

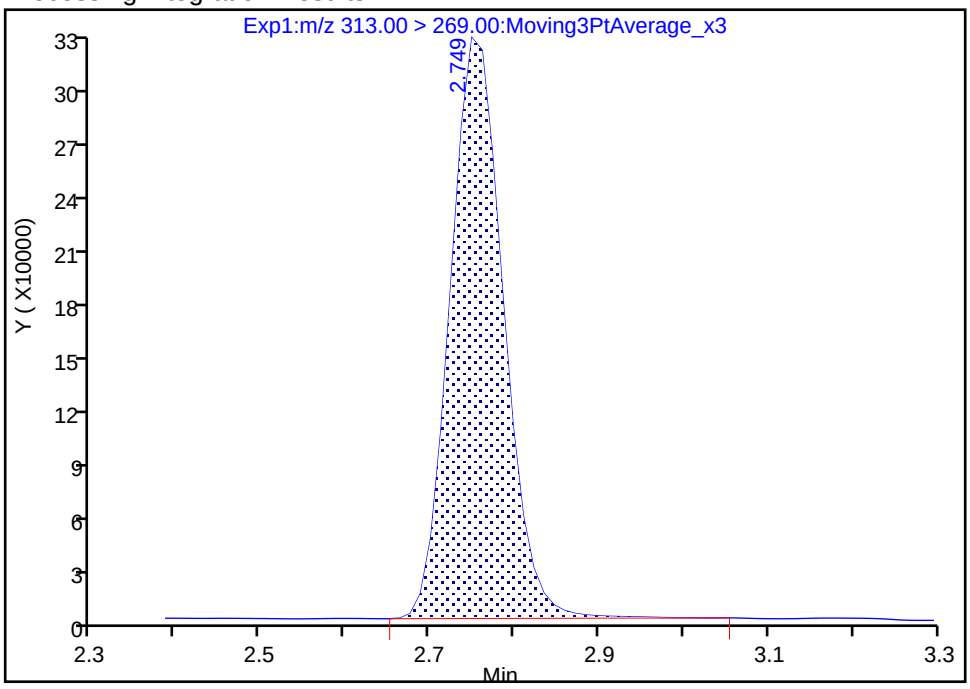
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

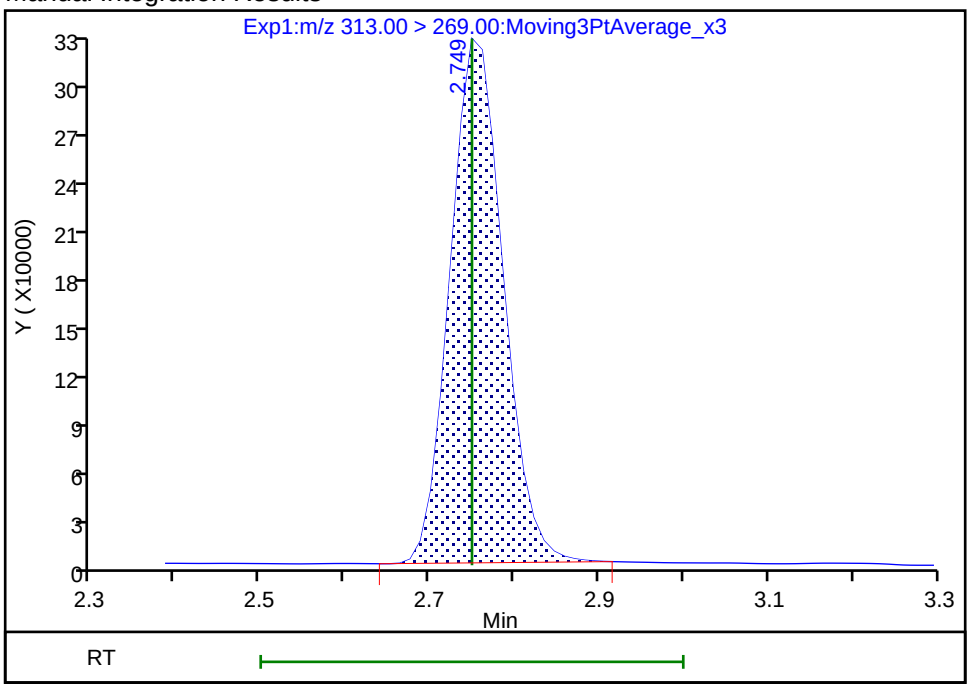
Processing Integration Results

RT: 2.75
Area: 1406848
Amount: 1.031220
Amount Units: ng/ml



Manual Integration Results

RT: 2.75
Area: 1395731
Amount: 1.023071
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:36:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

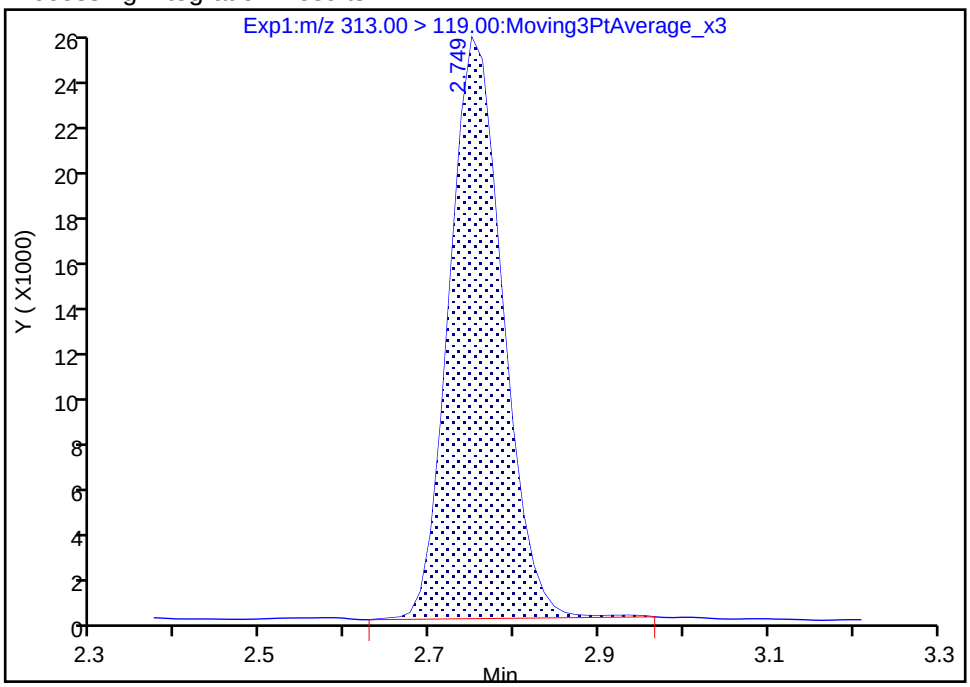
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

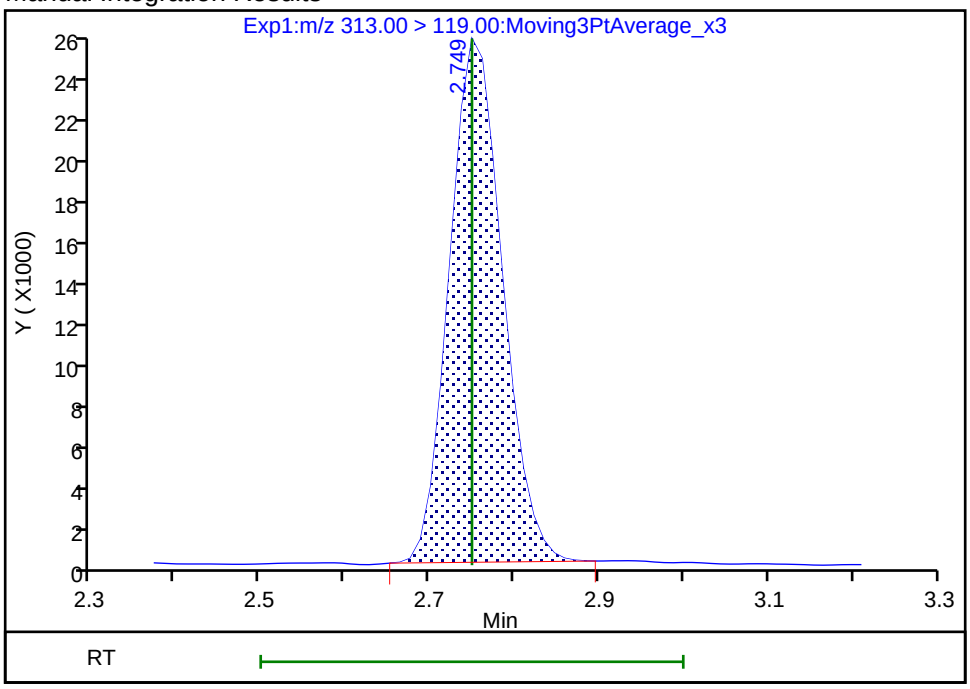
Processing Integration Results

RT: 2.75
Area: 111489
Amount: 1.031220
Amount Units: ng/ml



Manual Integration Results

RT: 2.75
Area: 110153
Amount: 1.023071
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:36:54
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

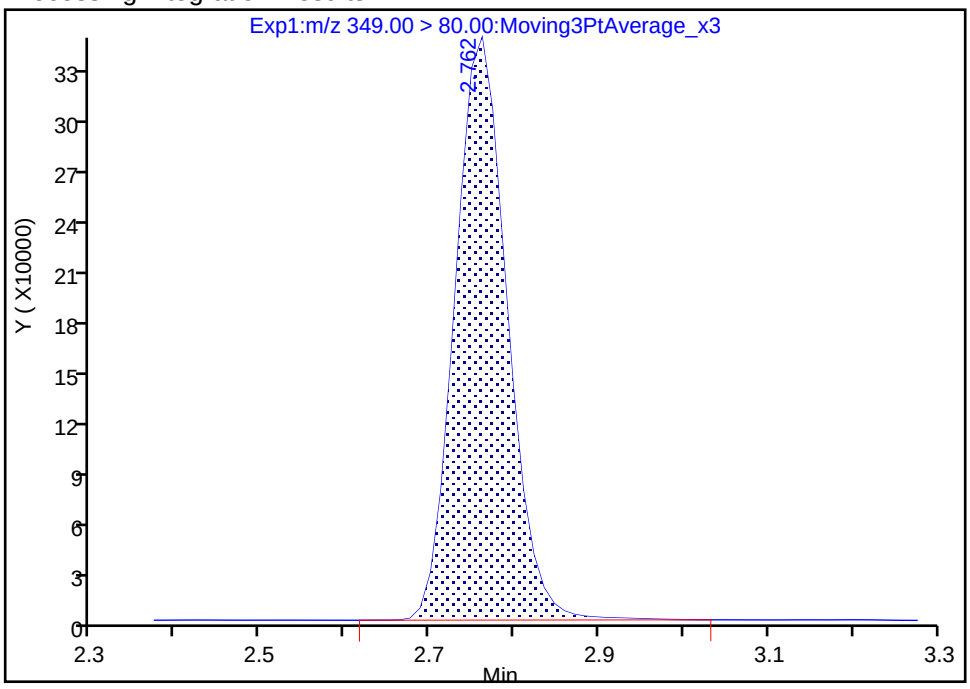
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Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

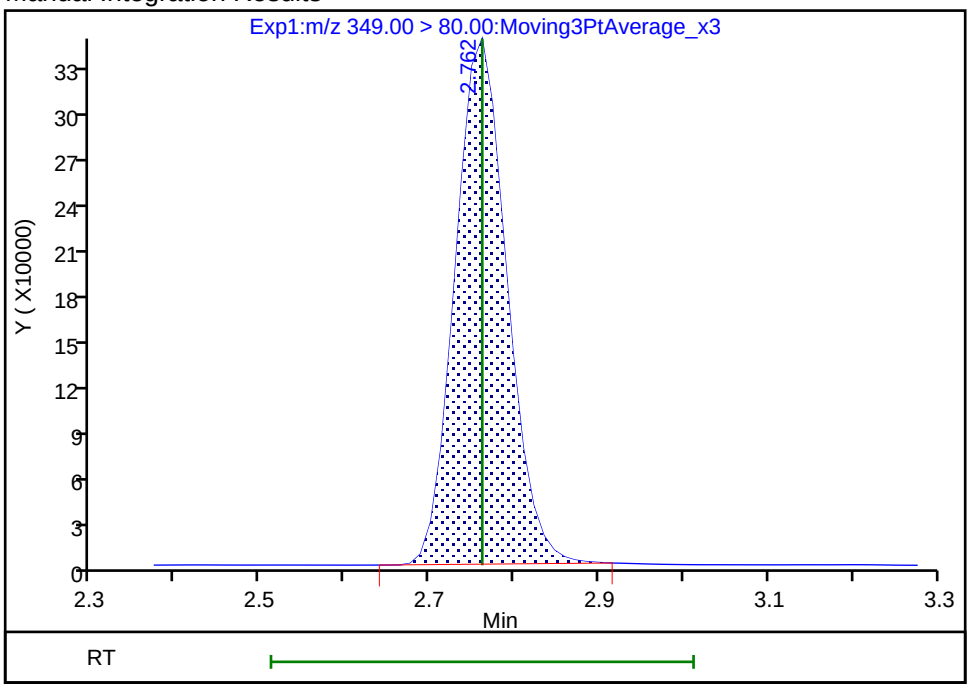
Processing Integration Results

RT: 2.76
Area: 1461262
Amount: 1.056229
Amount Units: ng/ml



Manual Integration Results

RT: 2.76
Area: 1448133
Amount: 1.046739
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:36:59

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

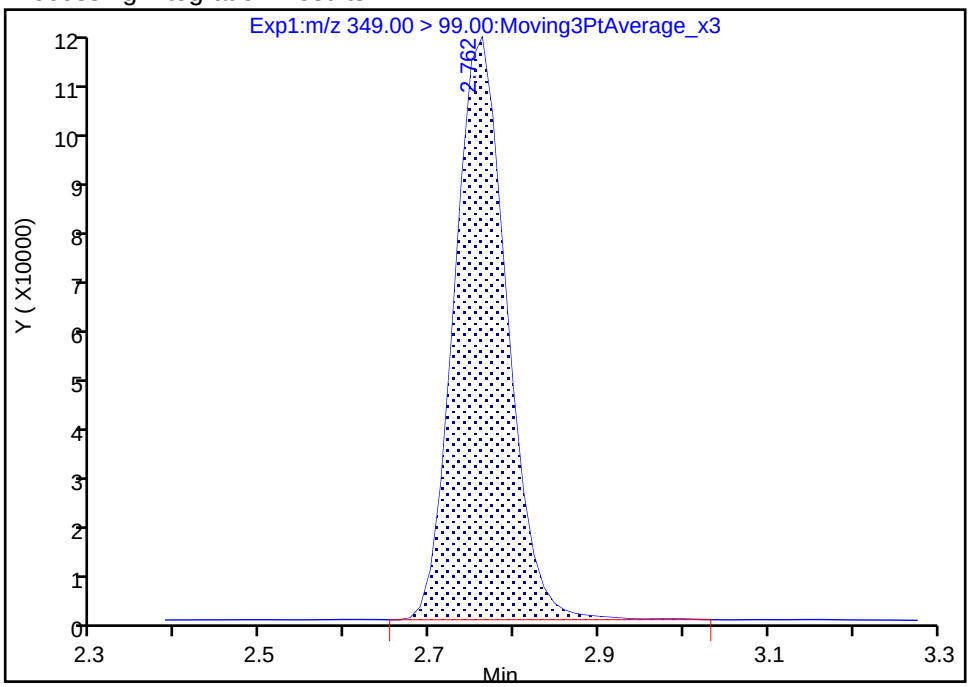
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 2

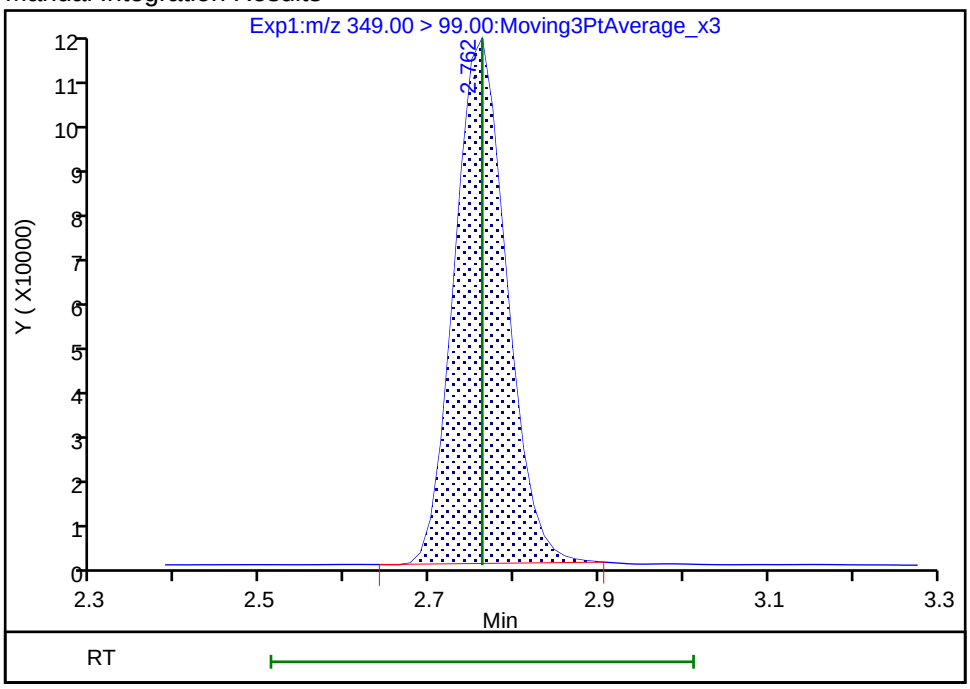
Processing Integration Results

RT: 2.76
Area: 488705
Amount: 1.056229
Amount Units: ng/ml



Manual Integration Results

RT: 2.76
Area: 482893
Amount: 1.046739
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:37:02

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

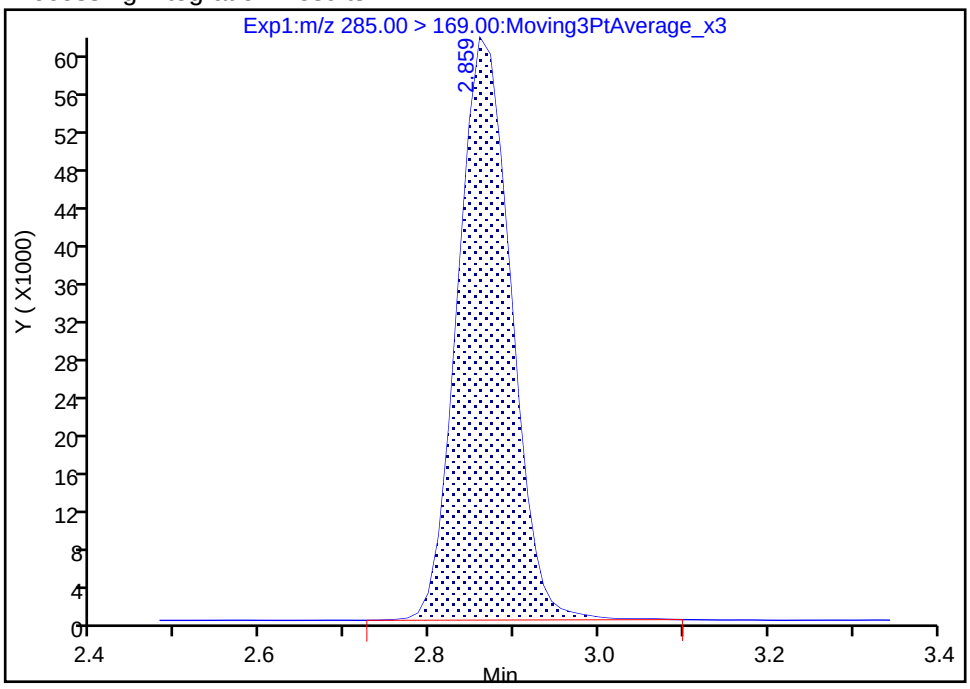
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

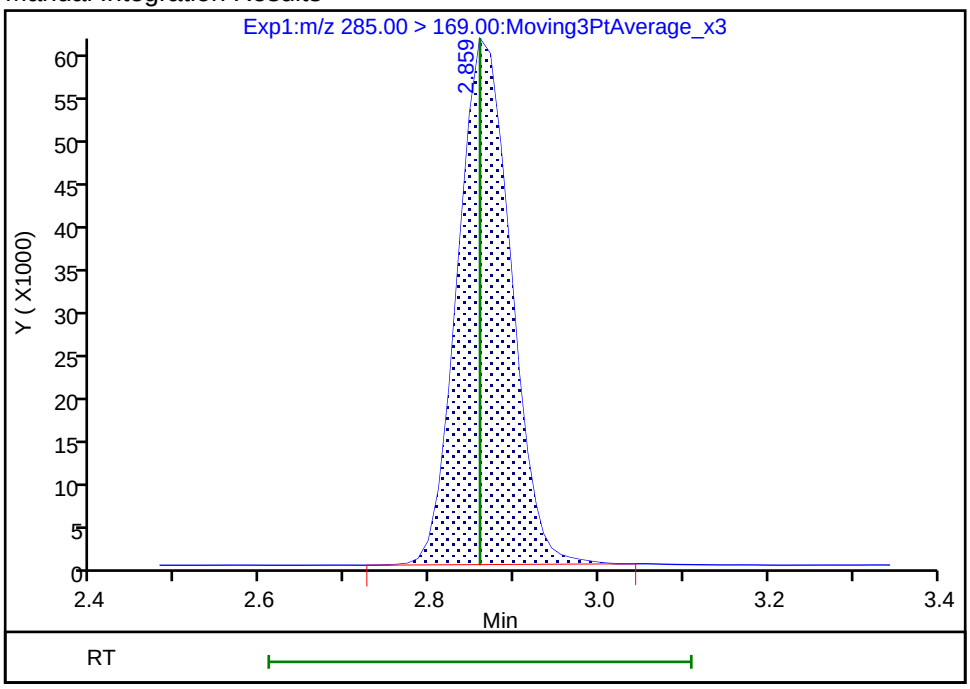
Processing Integration Results

RT: 2.86
Area: 269258
Amount: 0.987221
Amount Units: ng/ml



Manual Integration Results

RT: 2.86
Area: 268085
Amount: 0.982921
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:37:06

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

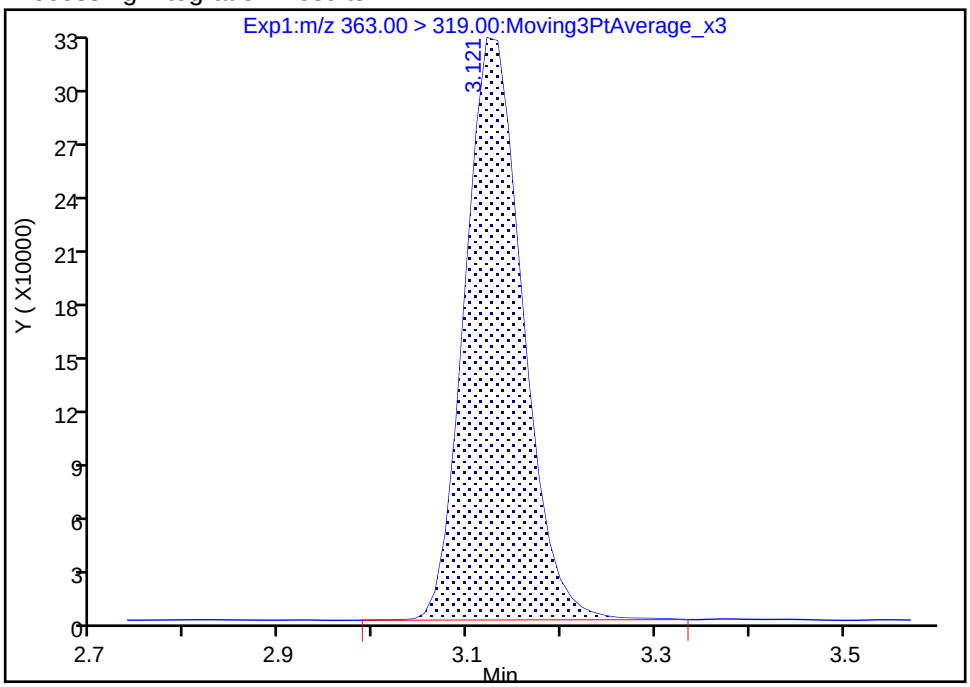
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

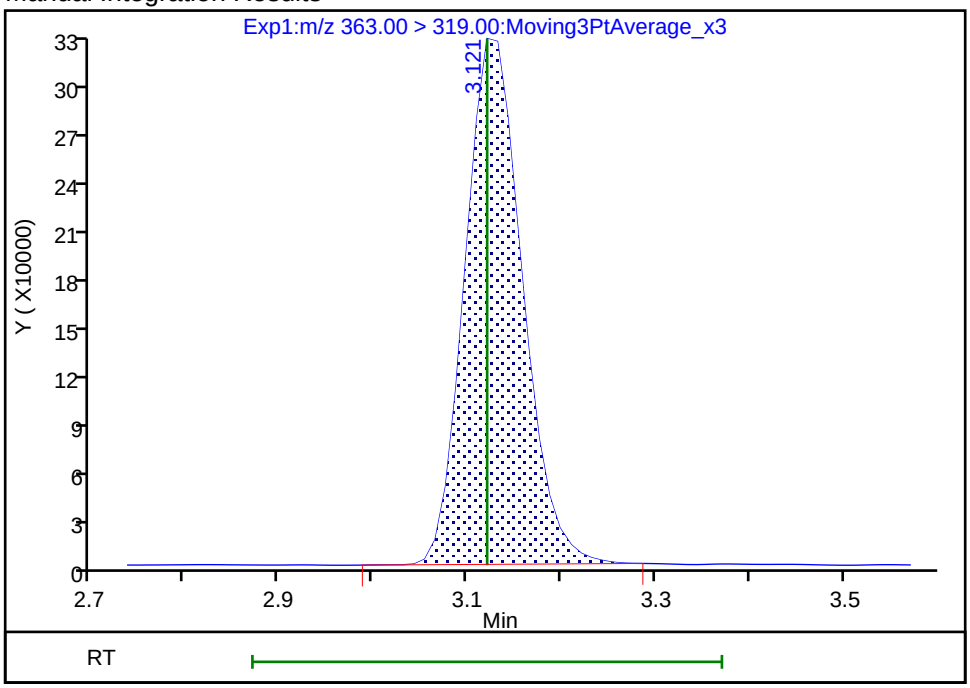
Processing Integration Results

RT: 3.12
Area: 1389860
Amount: 0.976614
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 1382157
Amount: 0.971202
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:37:16

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

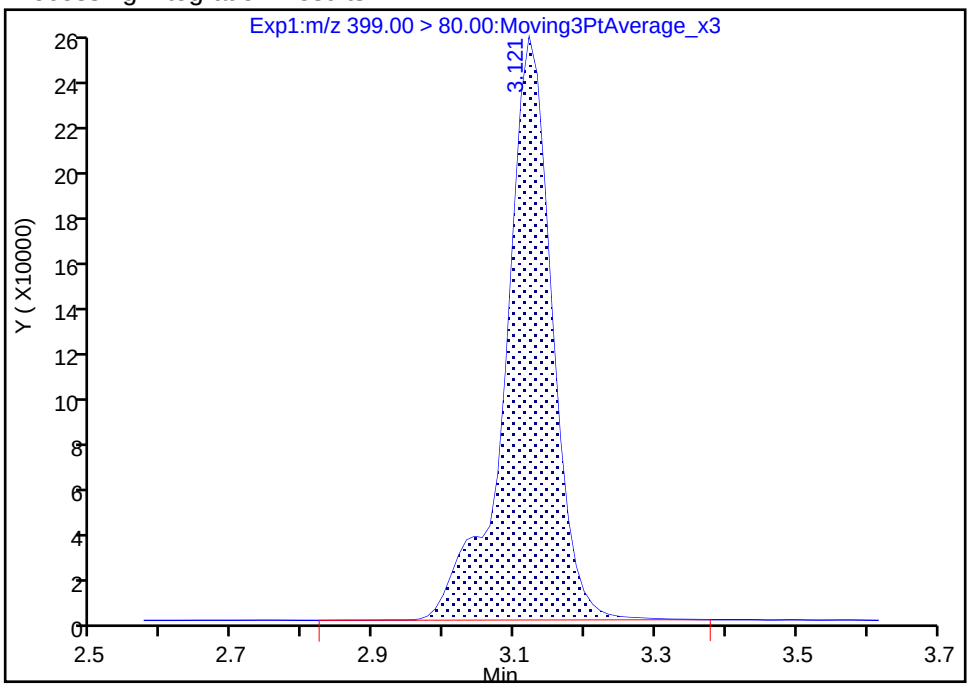
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

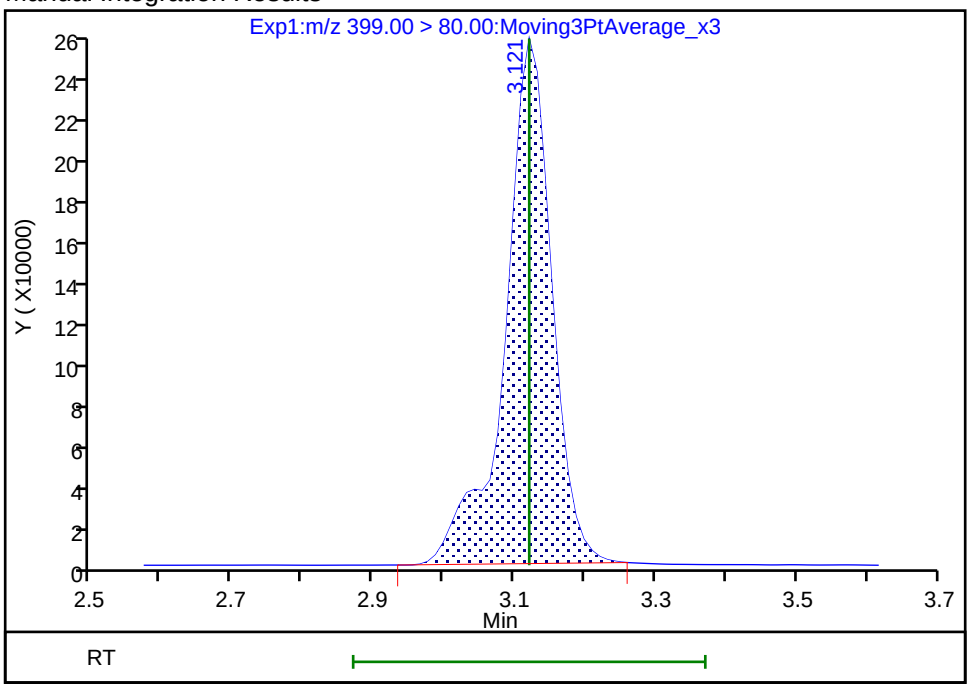
Processing Integration Results

RT: 3.12
Area: 1200133
Amount: 1.019791
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 1186420
Amount: 1.008138
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:37:22

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

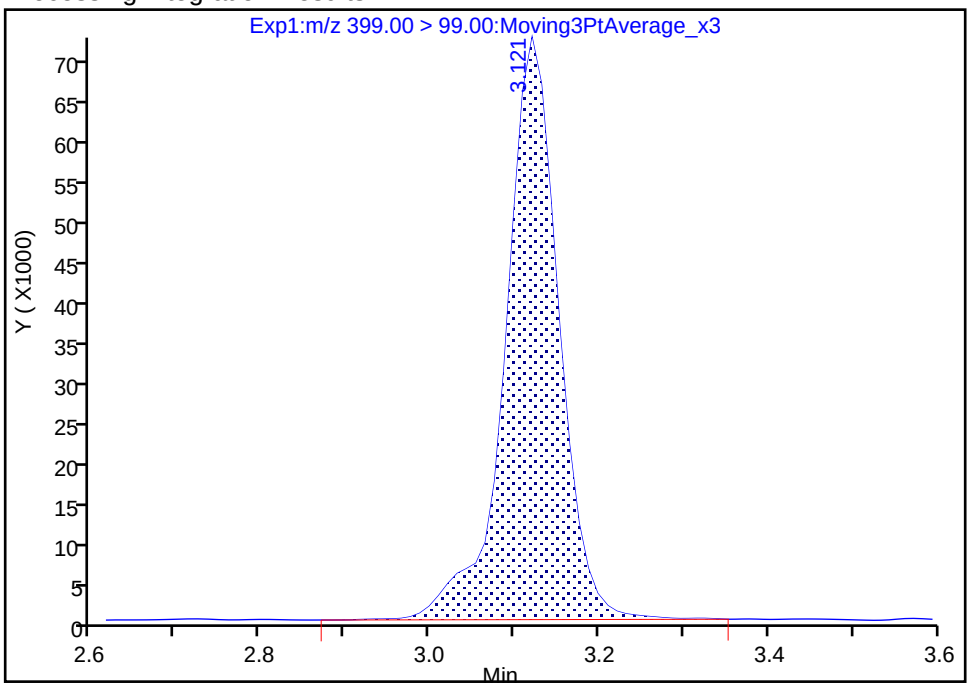
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

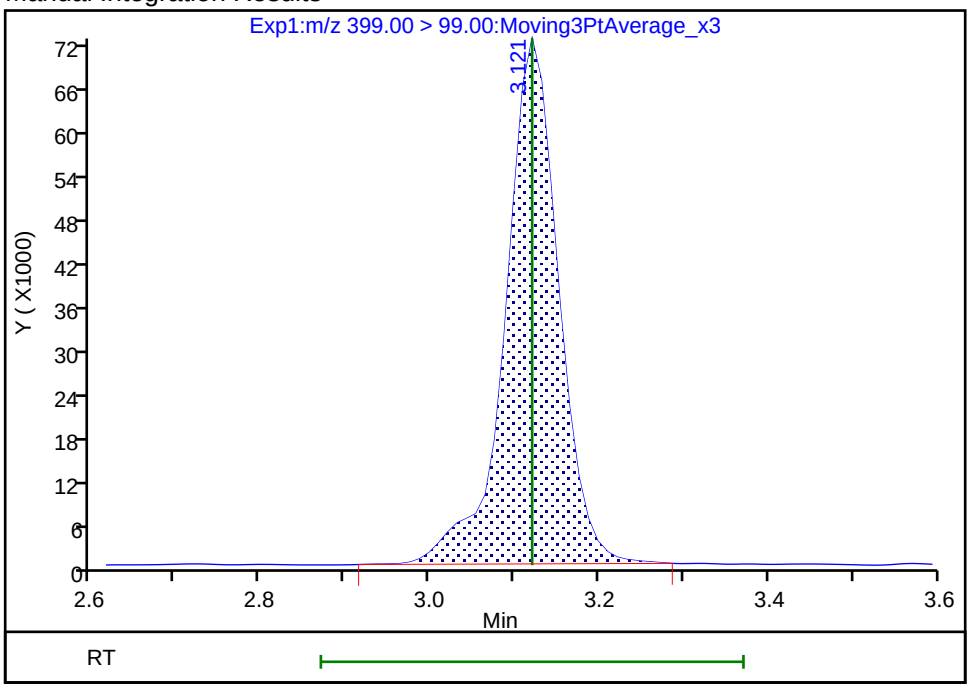
Processing Integration Results

RT: 3.12
Area: 320066
Amount: 1.019791
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 317682
Amount: 1.008138
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:37:27

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

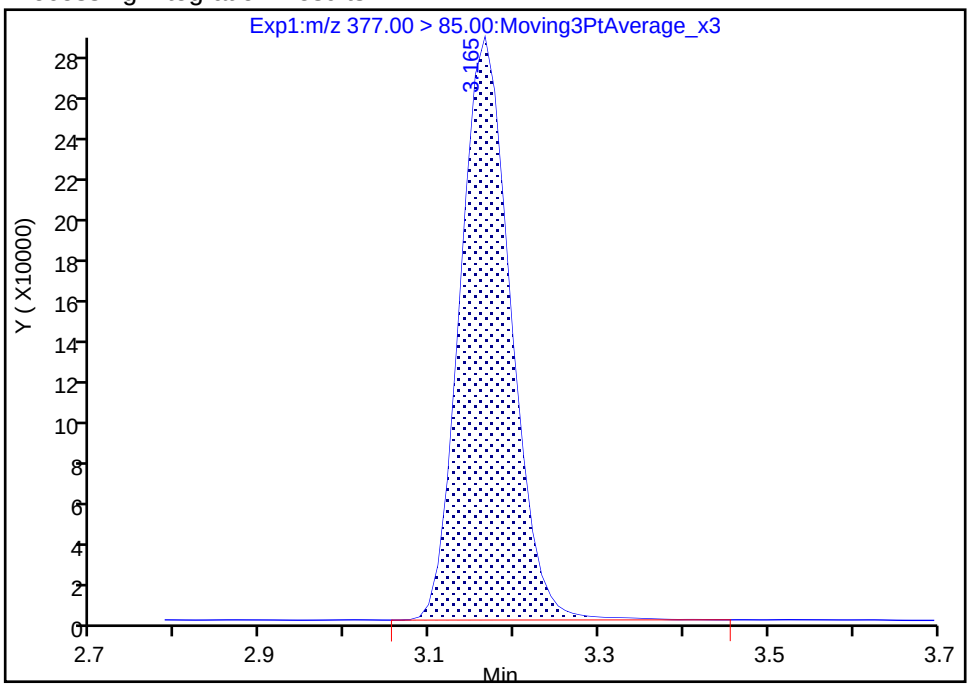
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

77 DONA, CAS: 919005-14-4

Signal: 2

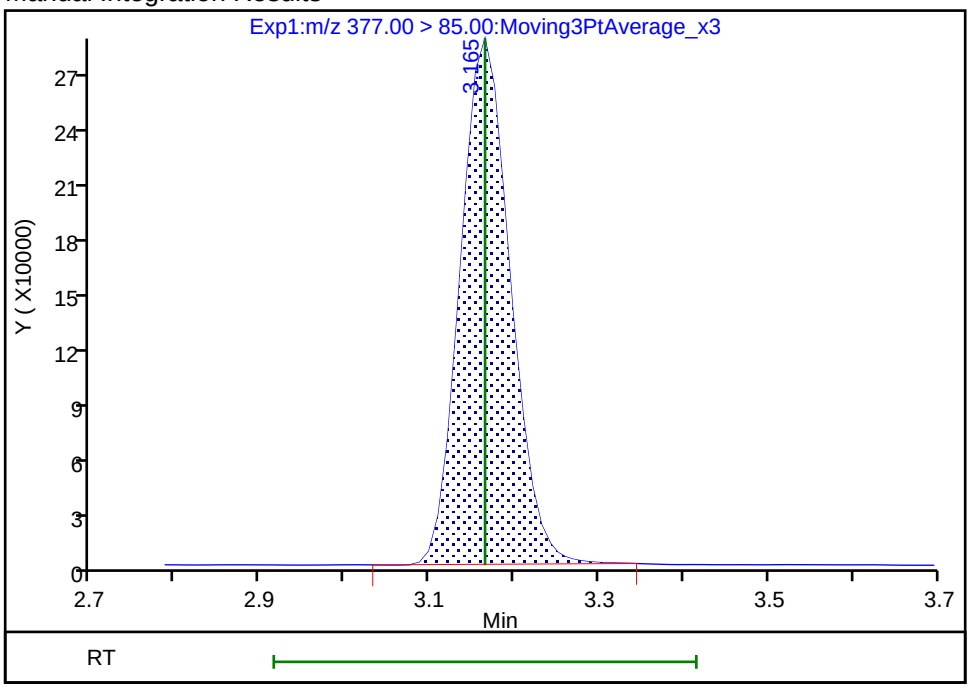
Processing Integration Results

RT: 3.16
Area: 1190502
Amount: 1.081113
Amount Units: ng/ml



Manual Integration Results

RT: 3.16
Area: 1181754
Amount: 1.081113
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:37:32
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

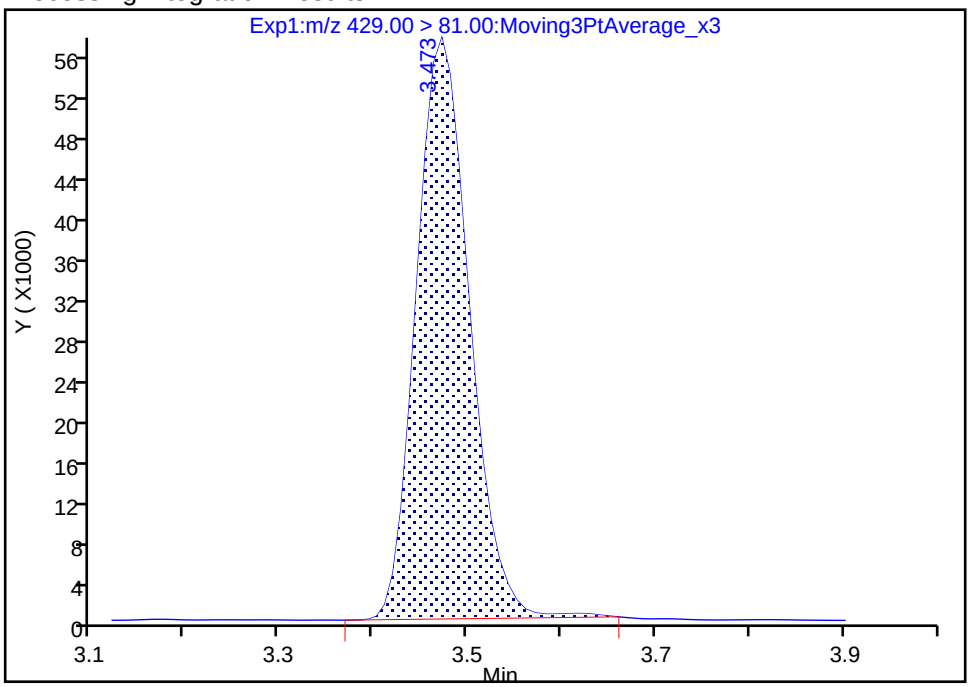
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

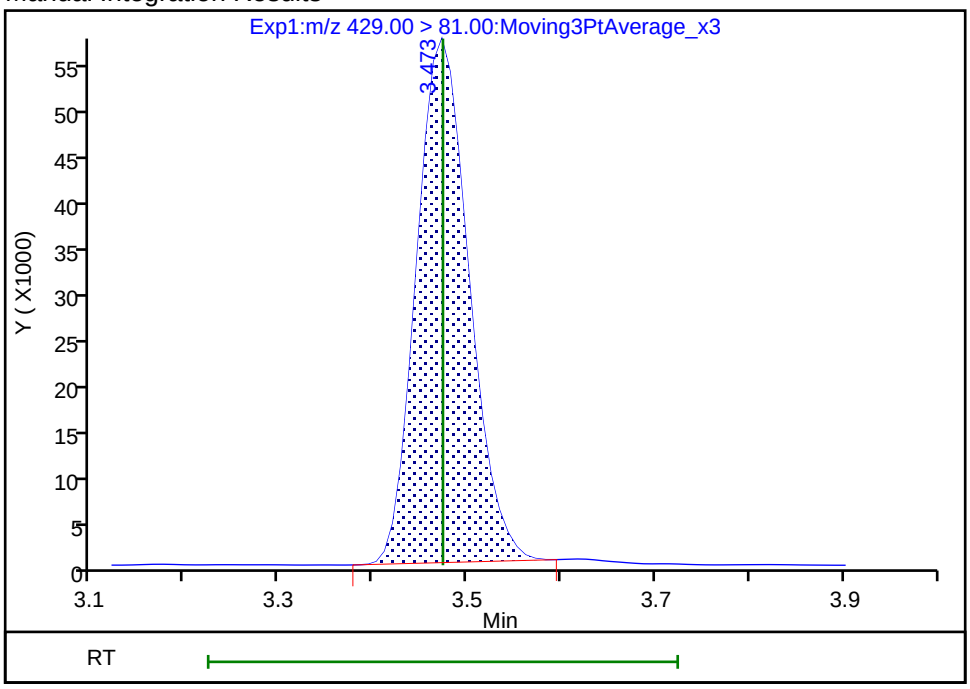
Processing Integration Results

RT: 3.47
Area: 224460
Amount: 0.818873
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 221205
Amount: 0.806998
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:37:38
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

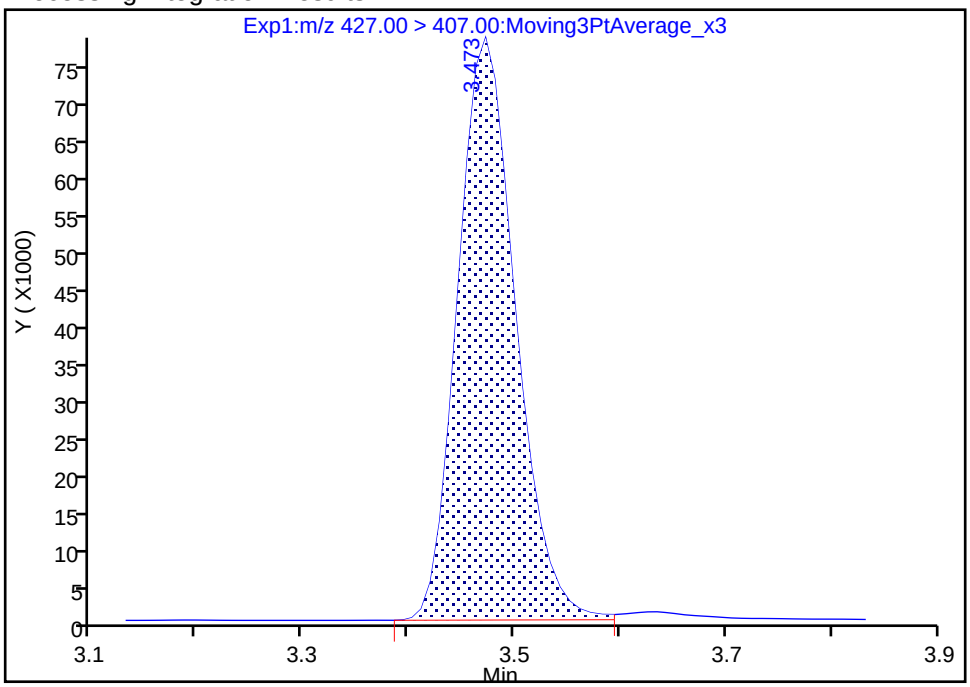
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

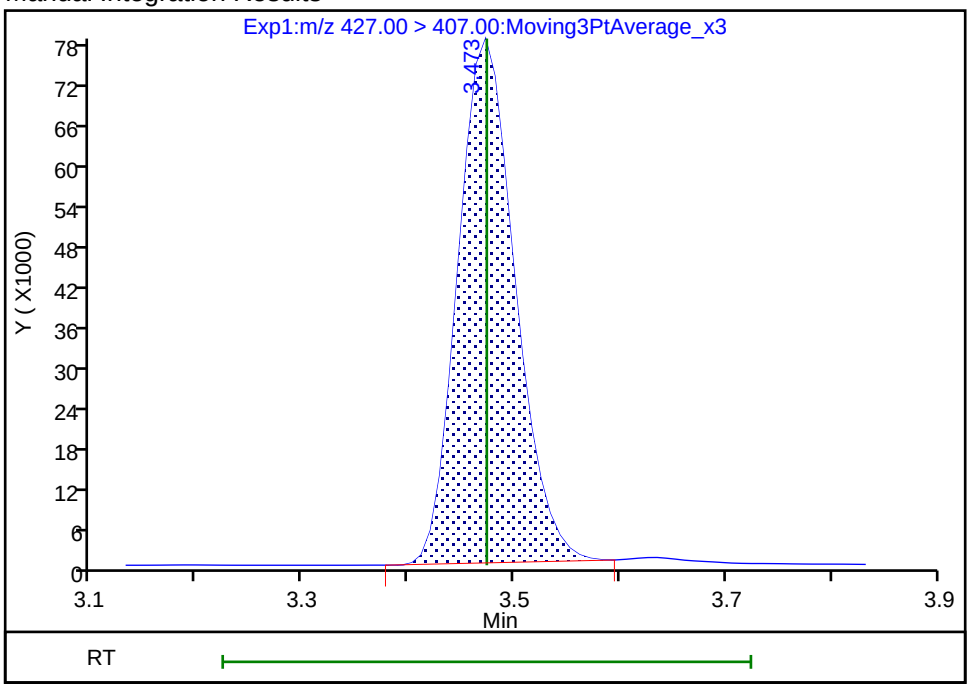
Processing Integration Results

RT: 3.47
Area: 297753
Amount: 1.080118
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 293223
Amount: 1.063430
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:37:43

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

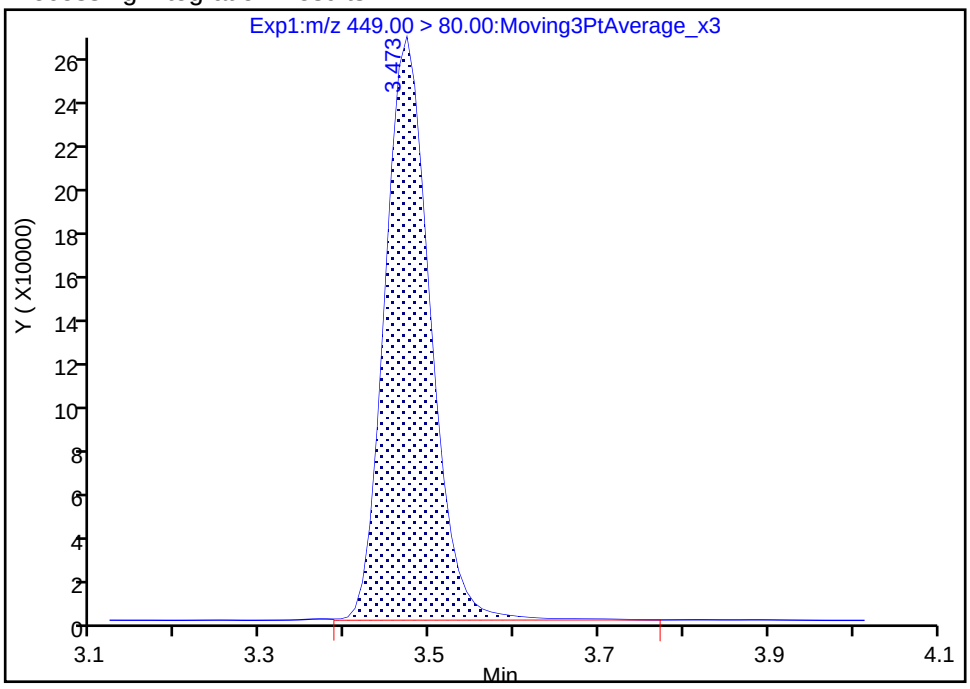
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

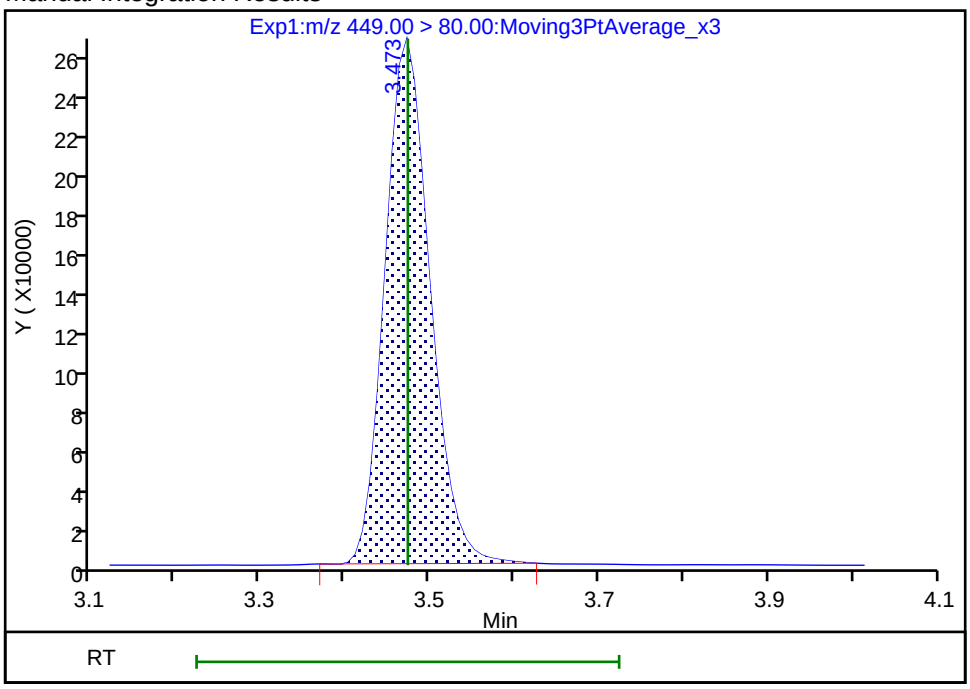
Processing Integration Results

RT: 3.47
Area: 993891
Amount: 1.048304
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 980236
Amount: 1.033901
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:37:49

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

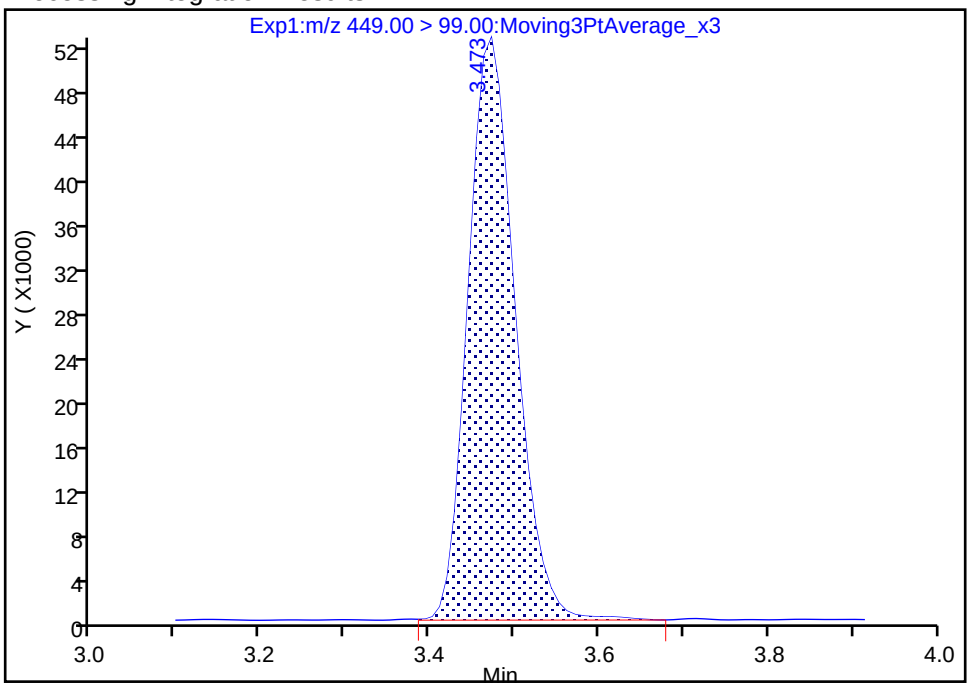
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

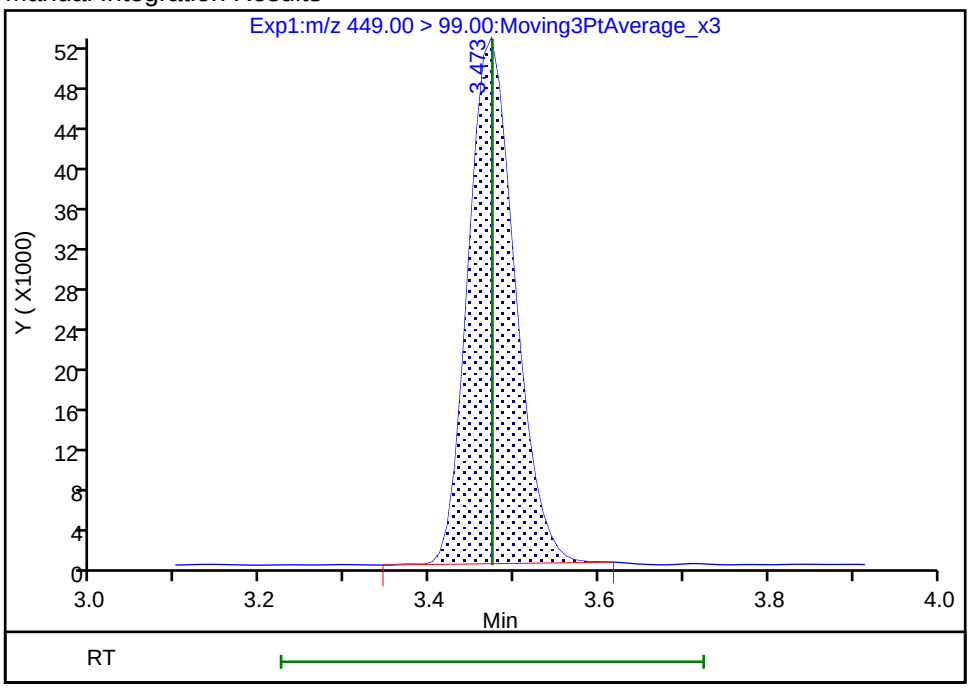
Processing Integration Results

RT: 3.47
Area: 201520
Amount: 1.048304
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 199020
Amount: 1.033901
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:37:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

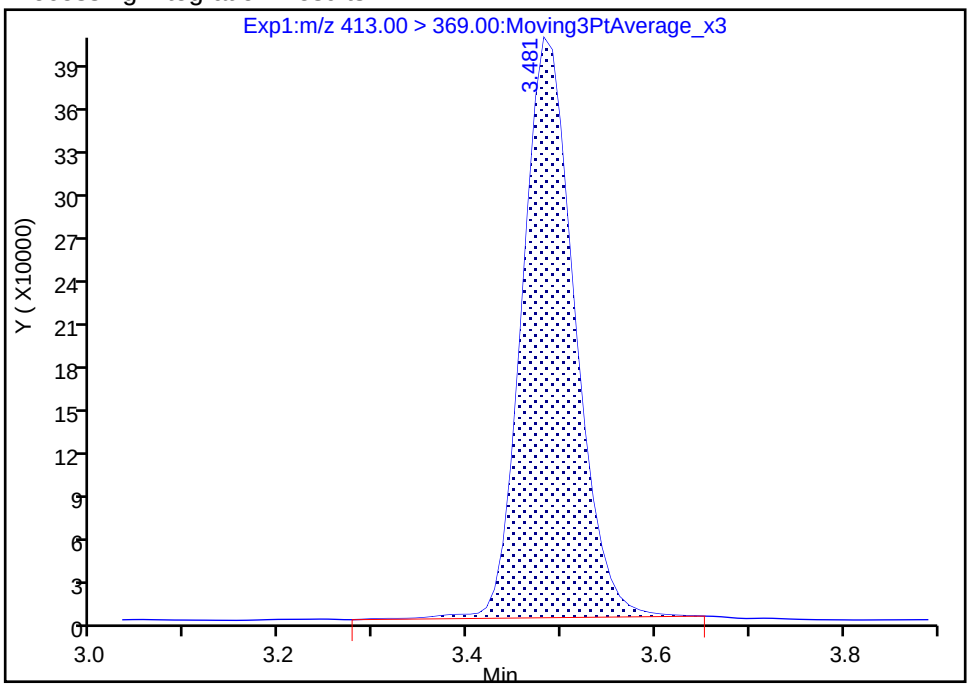
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

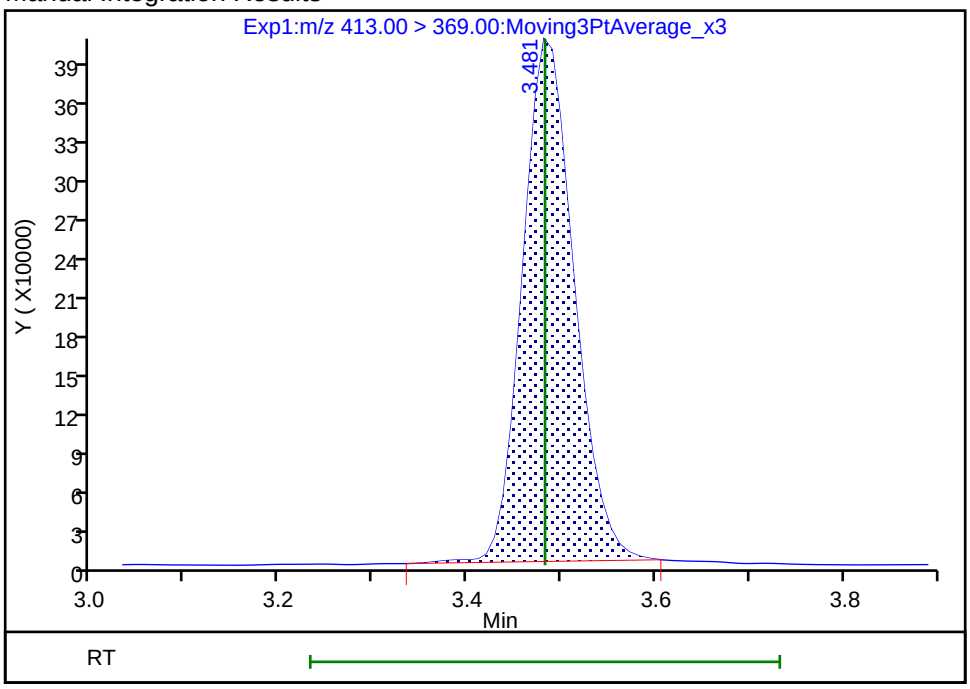
Processing Integration Results

RT: 3.48
Area: 1547431
Amount: 0.964469
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 1527957
Amount: 0.952332
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:37:59

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

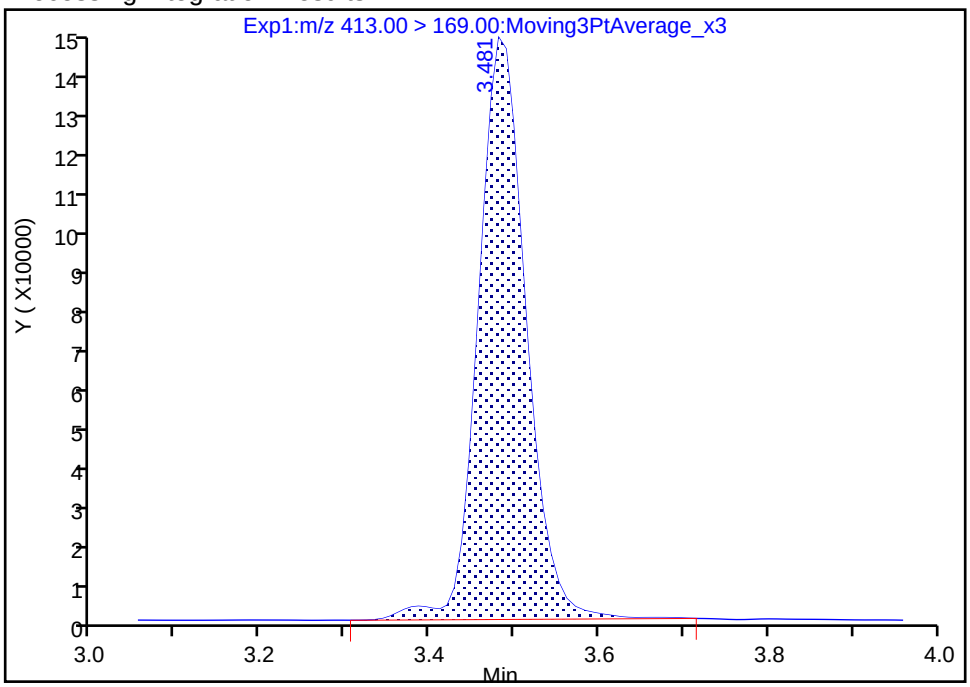
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

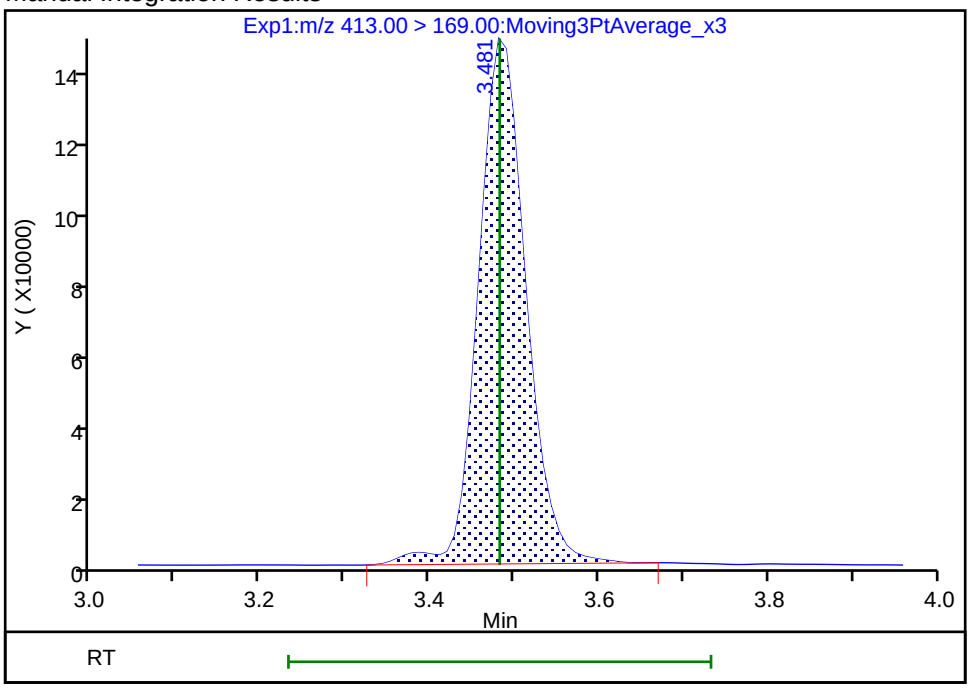
Processing Integration Results

RT: 3.48
Area: 586071
Amount: 0.964469
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 582551
Amount: 0.952332
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:38:02
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

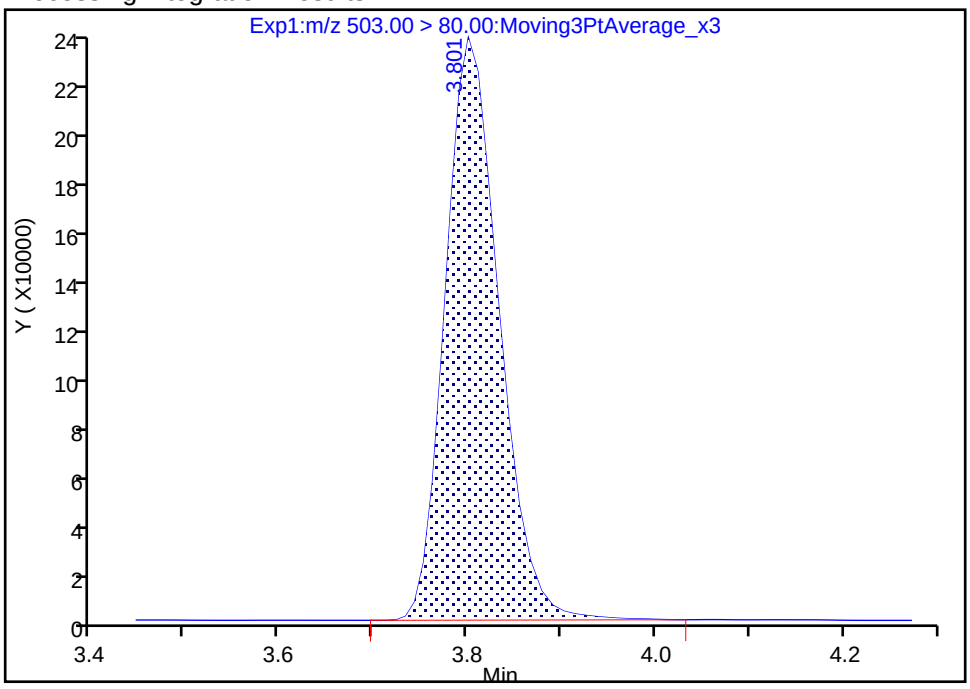
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 18 13C4 PFOS, CAS: STL00991

Signal: 1

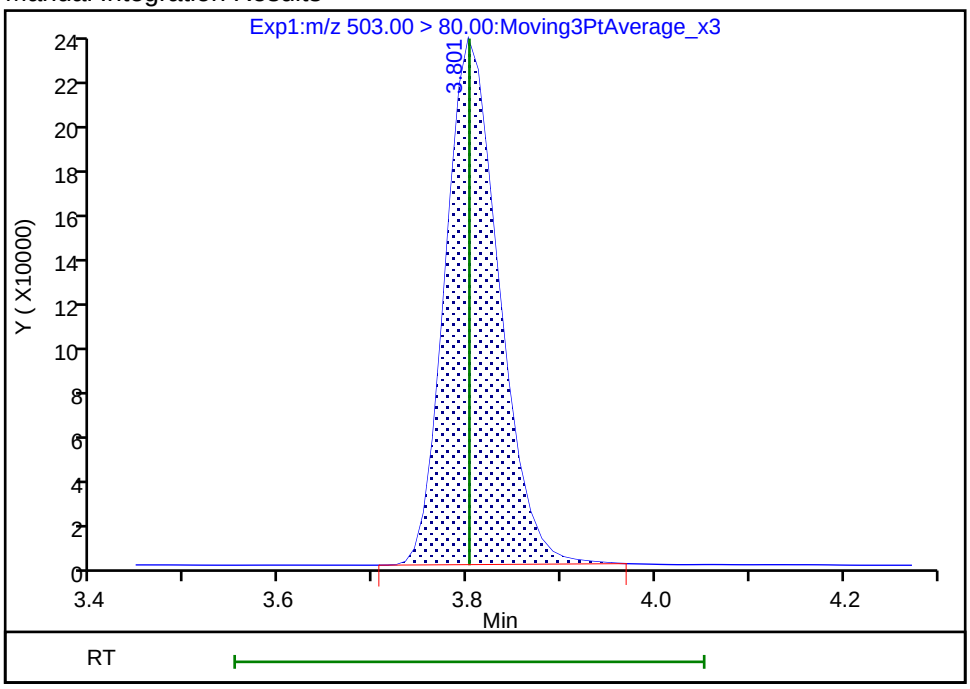
Processing Integration Results

RT: 3.80
Area: 921321
Amount: 0.749729
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 916636
Amount: 0.749572
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:24:21

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

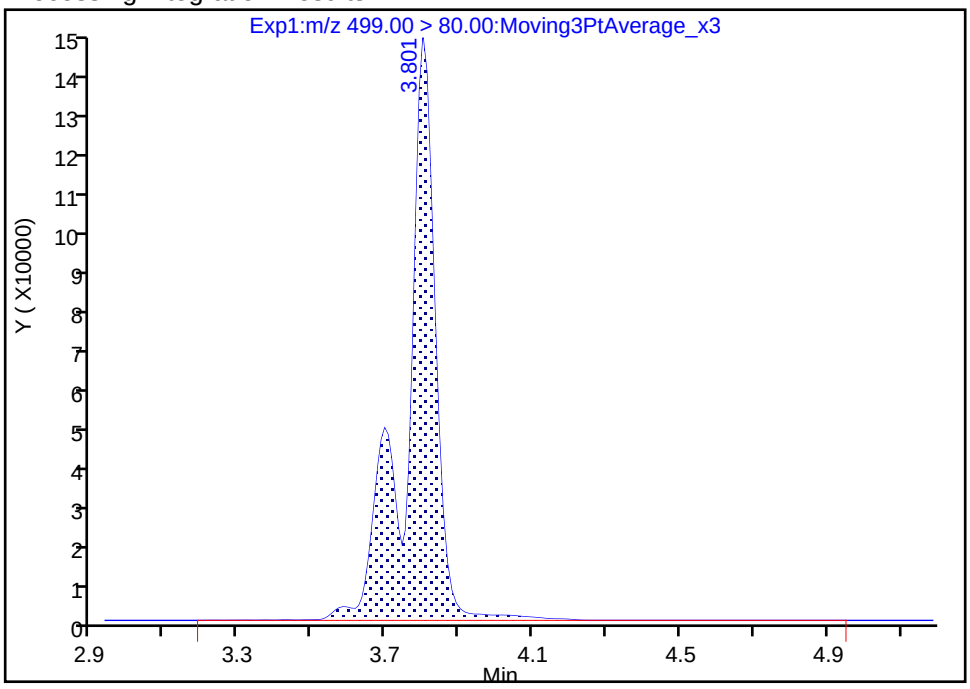
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

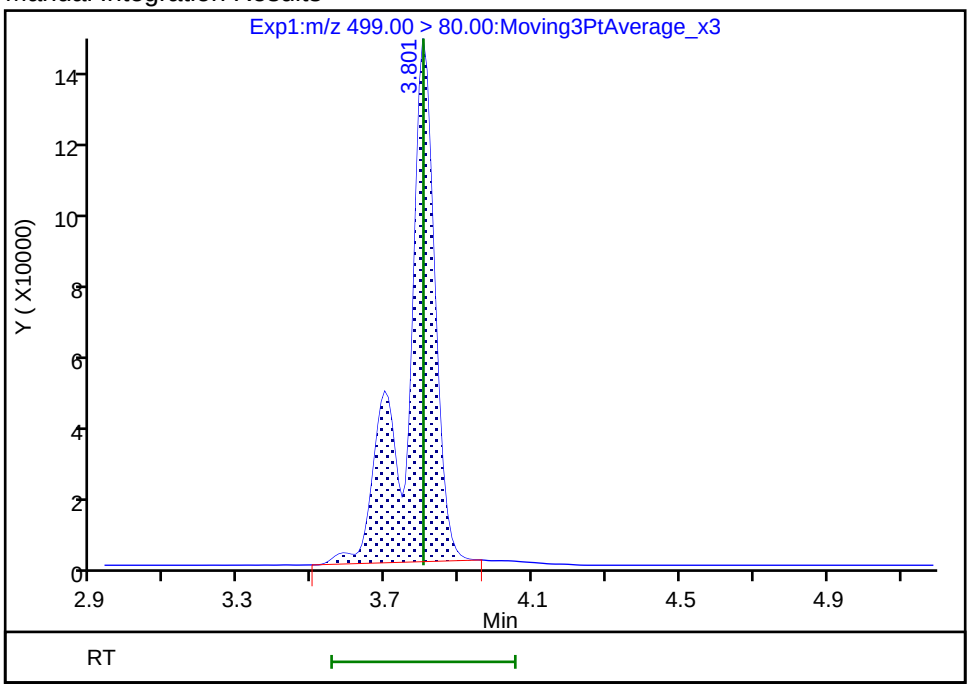
Processing Integration Results

RT: 3.80
Area: 807749
Amount: 1.039923
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 773514
Amount: 0.995064
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:38:43

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

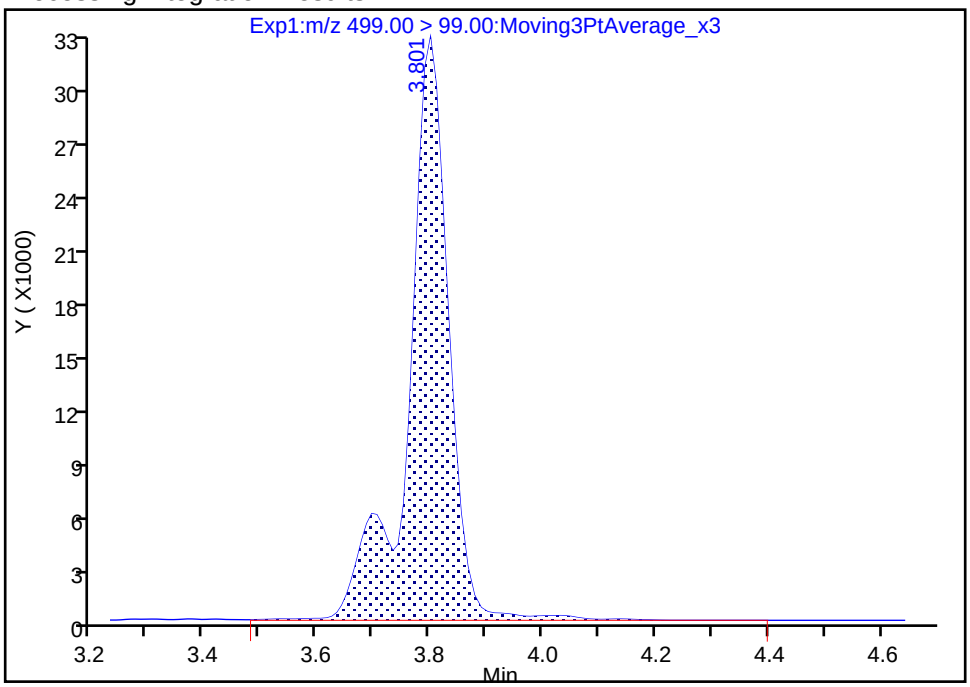
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

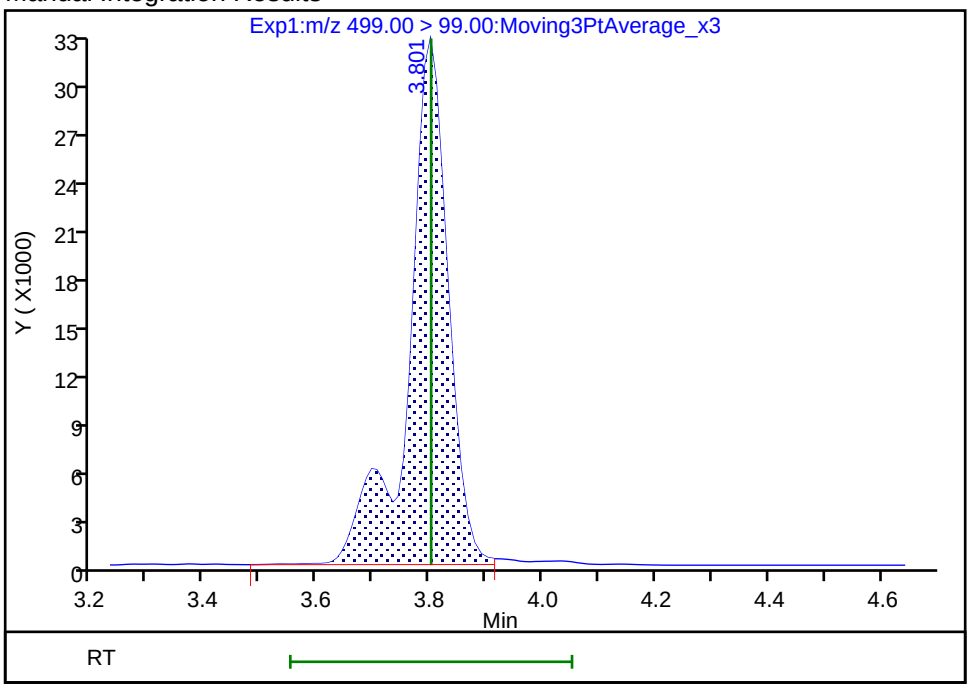
Processing Integration Results

RT: 3.80
Area: 160469
Amount: 1.039923
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 156755
Amount: 0.995064
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:38:57
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

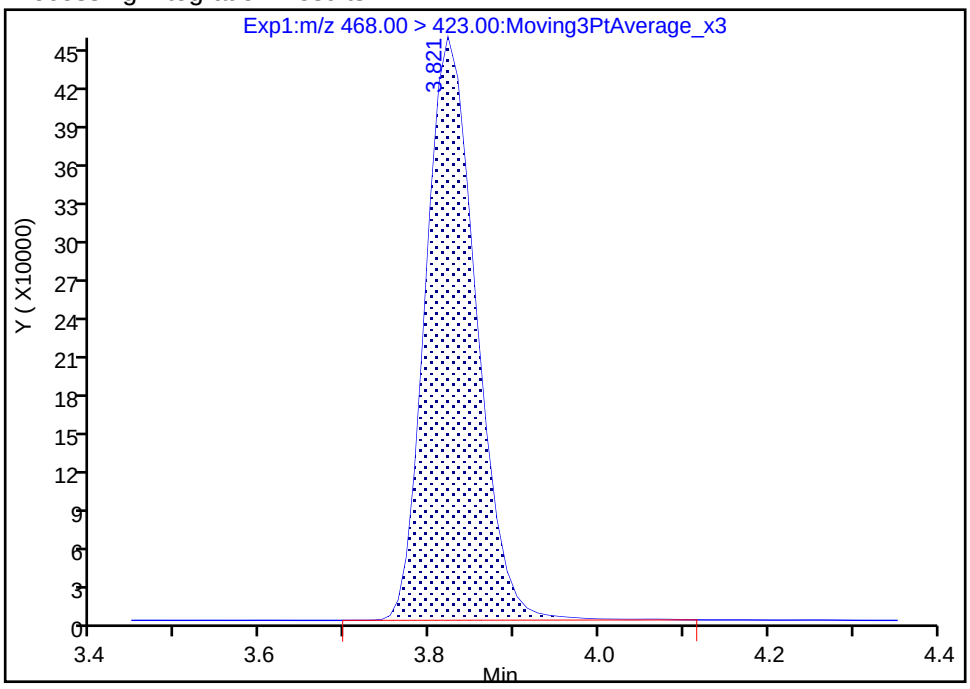
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

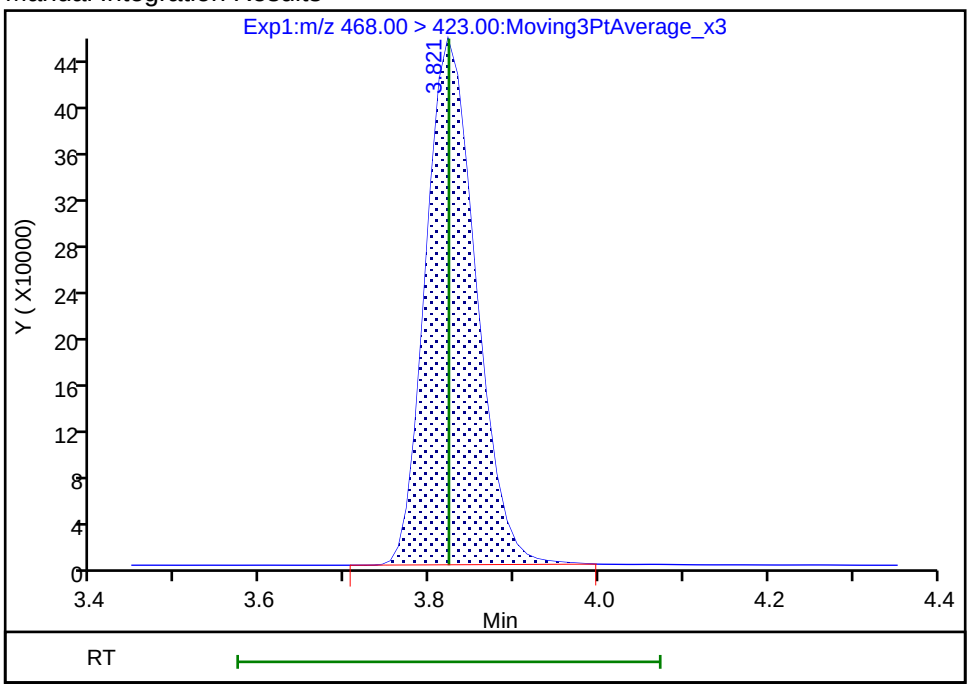
Processing Integration Results

RT: 3.82
Area: 1870428
Amount: 0.843669
Amount Units: ng/ml



Manual Integration Results

RT: 3.82
Area: 1861564
Amount: 0.839670
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:39:03
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

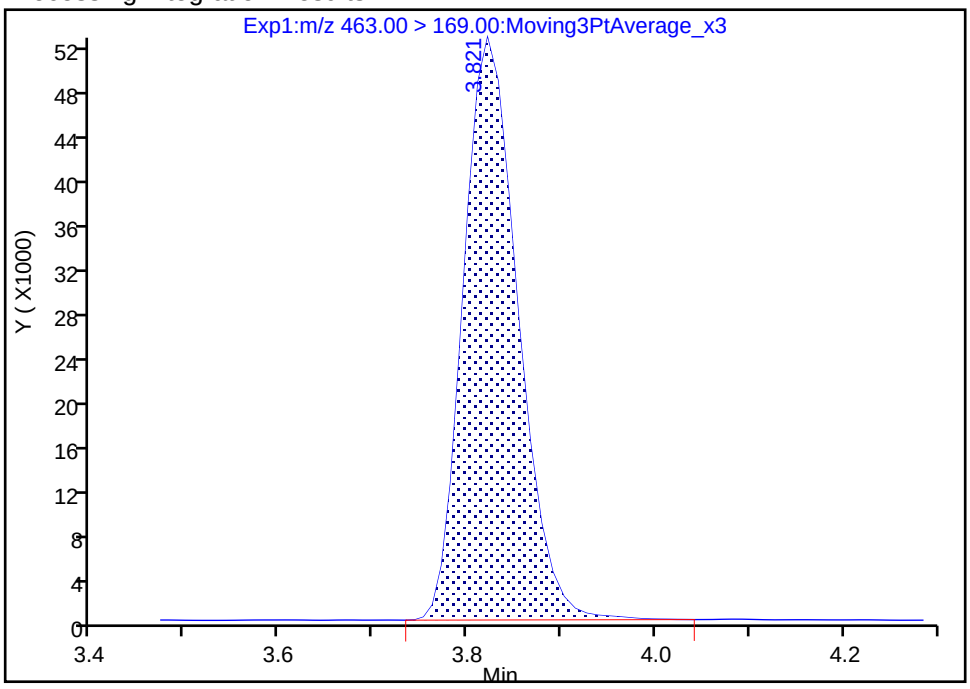
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

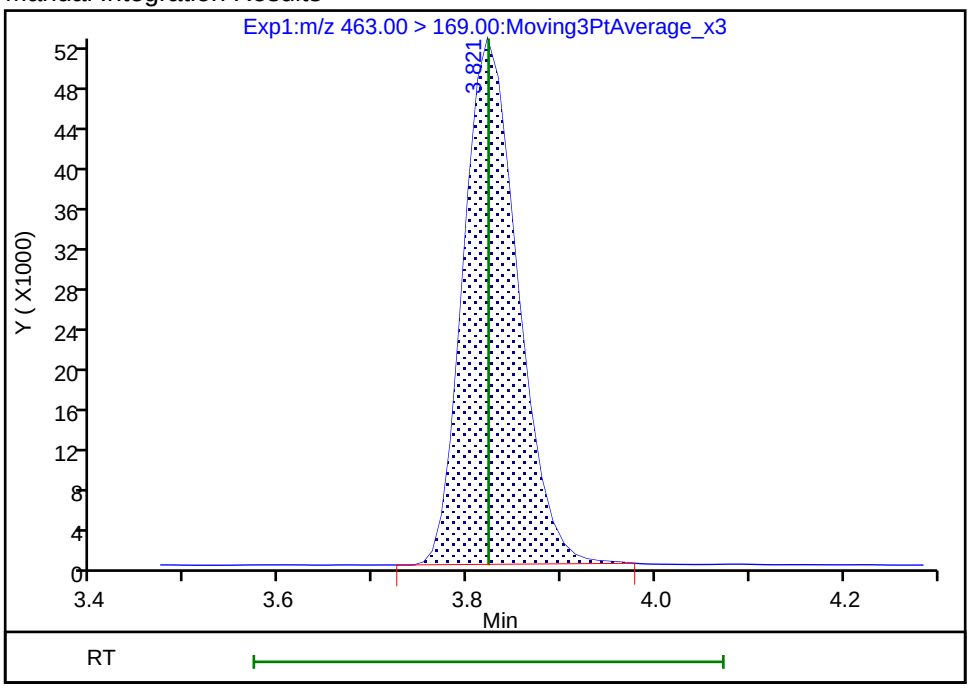
Processing Integration Results

RT: 3.82
Area: 211007
Amount: 1.091114
Amount Units: ng/ml



Manual Integration Results

RT: 3.82
Area: 209775
Amount: 1.091114
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:39:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

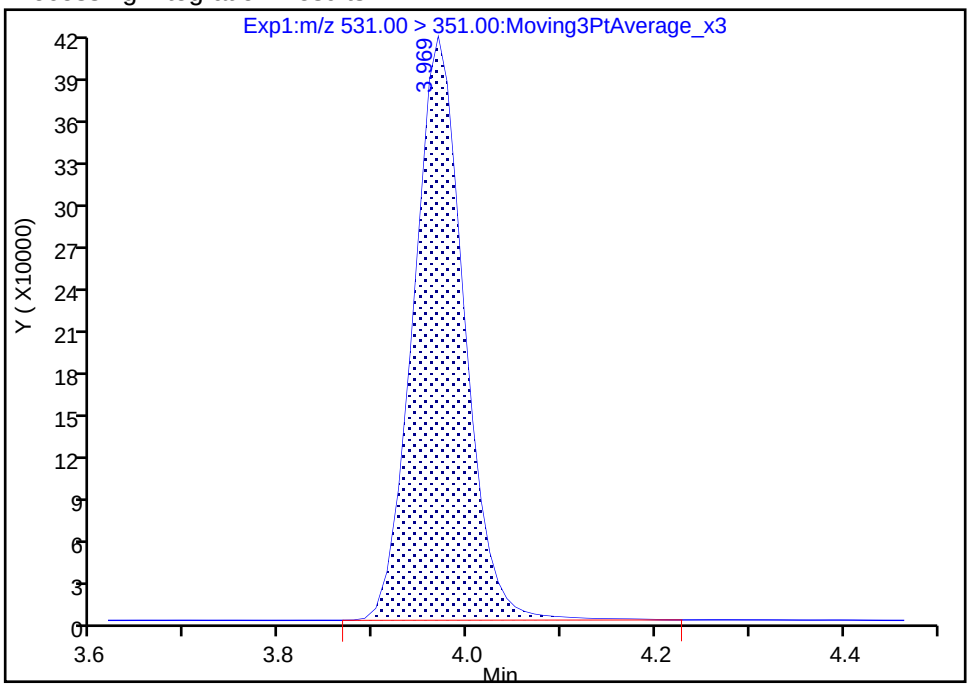
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

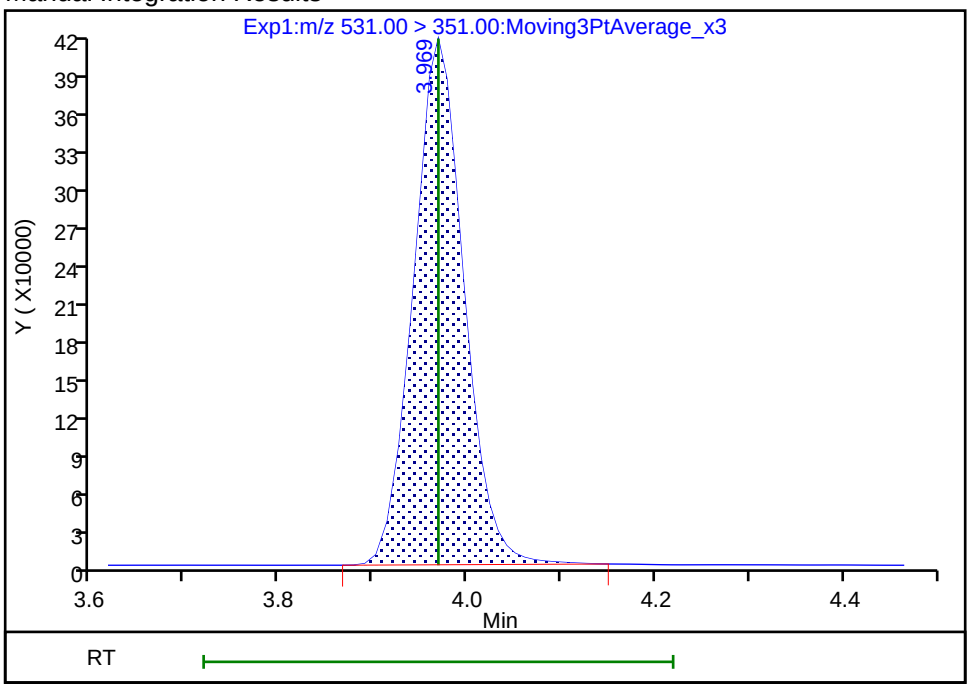
Processing Integration Results

RT: 3.97
Area: 1545463
Amount: 1.140555
Amount Units: ng/ml



Manual Integration Results

RT: 3.97
Area: 1537545
Amount: 1.134711
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:39:13

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

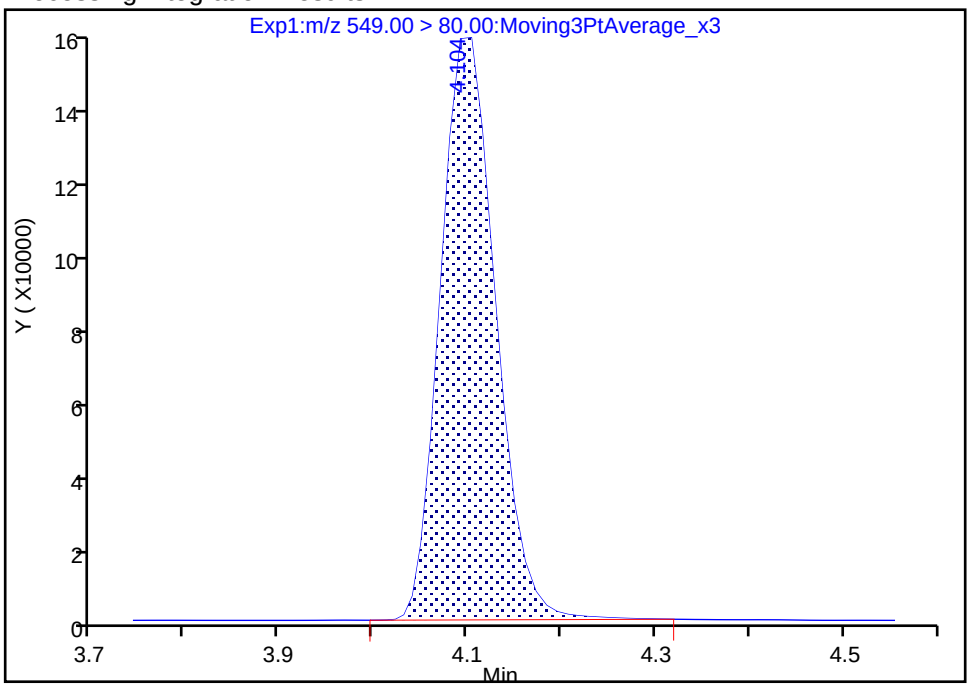
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

68 Perfluorononanesulfonic acid, CAS: 68259-12-1

Signal: 1

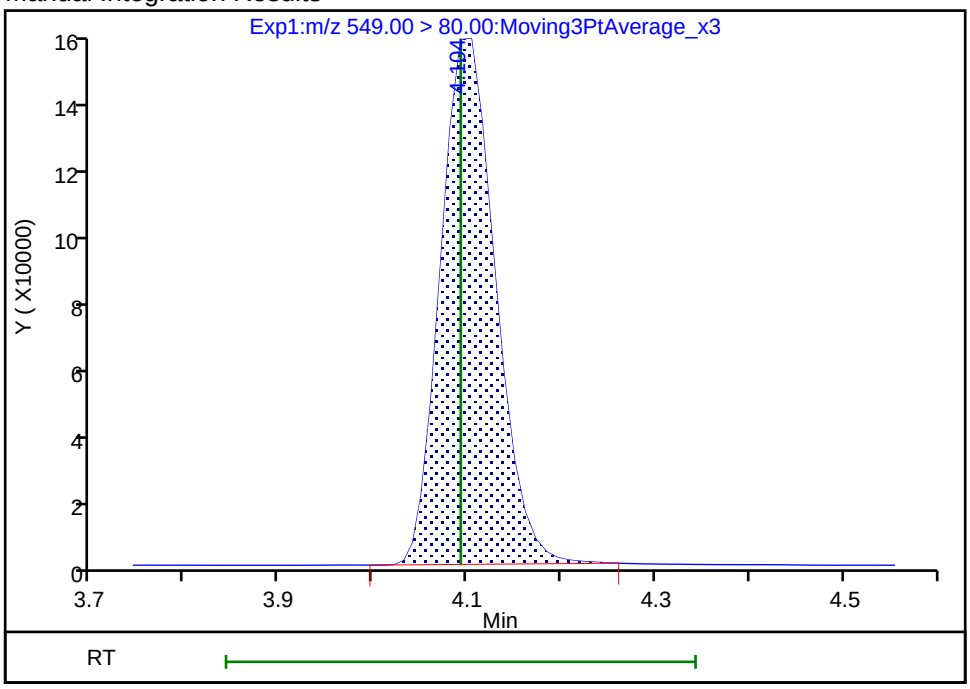
Processing Integration Results

RT: 4.10
Area: 630659
Amount: 1.050069
Amount Units: ng/ml



Manual Integration Results

RT: 4.10
Area: 627438
Amount: 1.044706
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:39:19

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

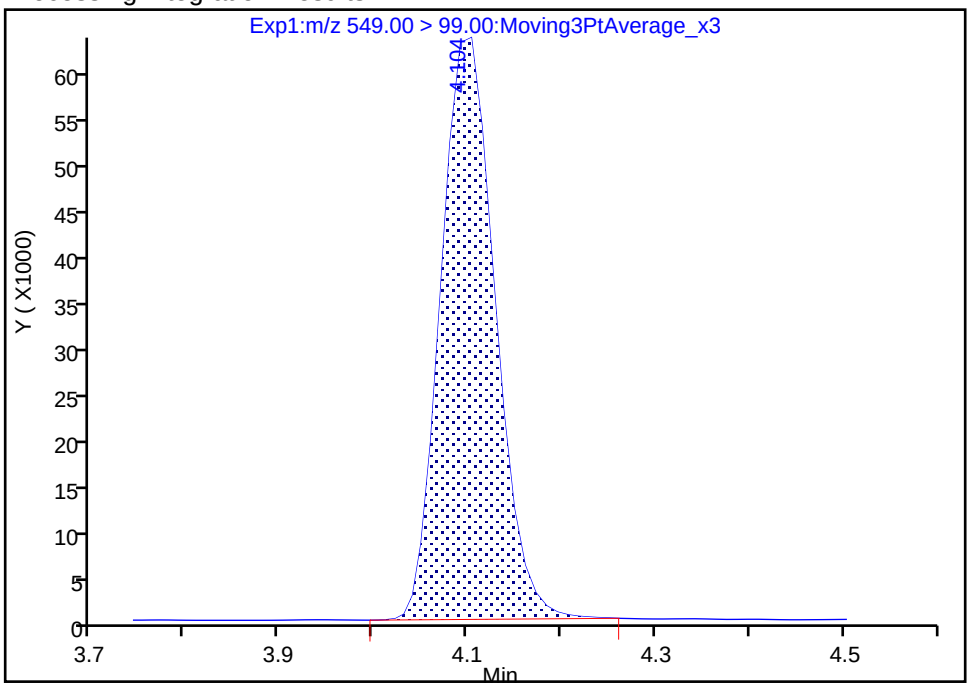
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

68 Perfluorononanesulfonic acid, CAS: 68259-12-1

Signal: 2

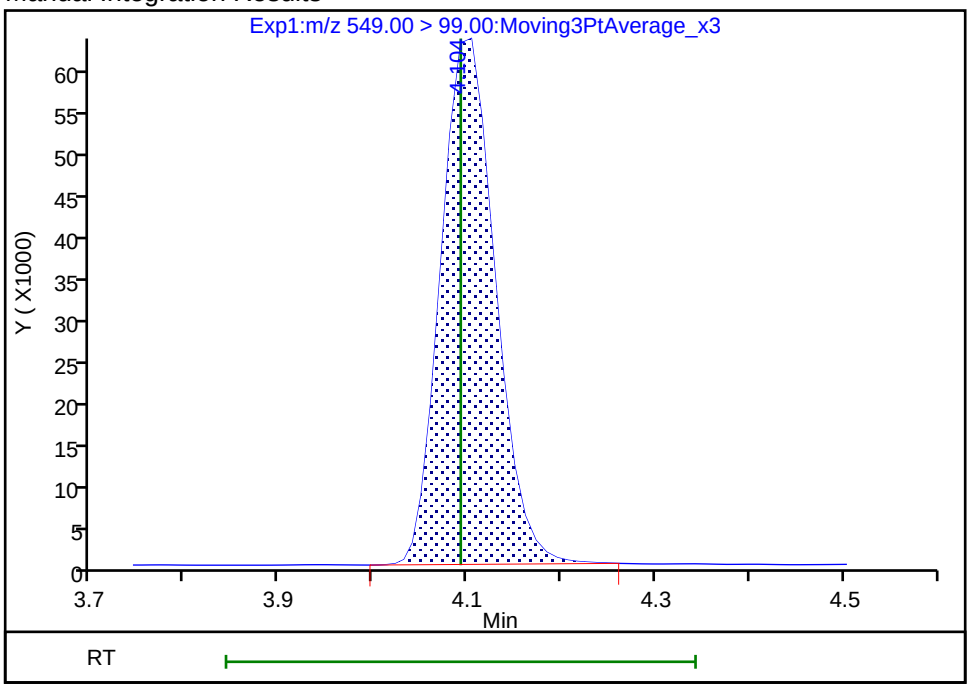
Processing Integration Results

RT: 4.10
Area: 256410
Amount: 1.050069
Amount Units: ng/ml



Manual Integration Results

RT: 4.10
Area: 256410
Amount: 1.044706
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:39:28
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

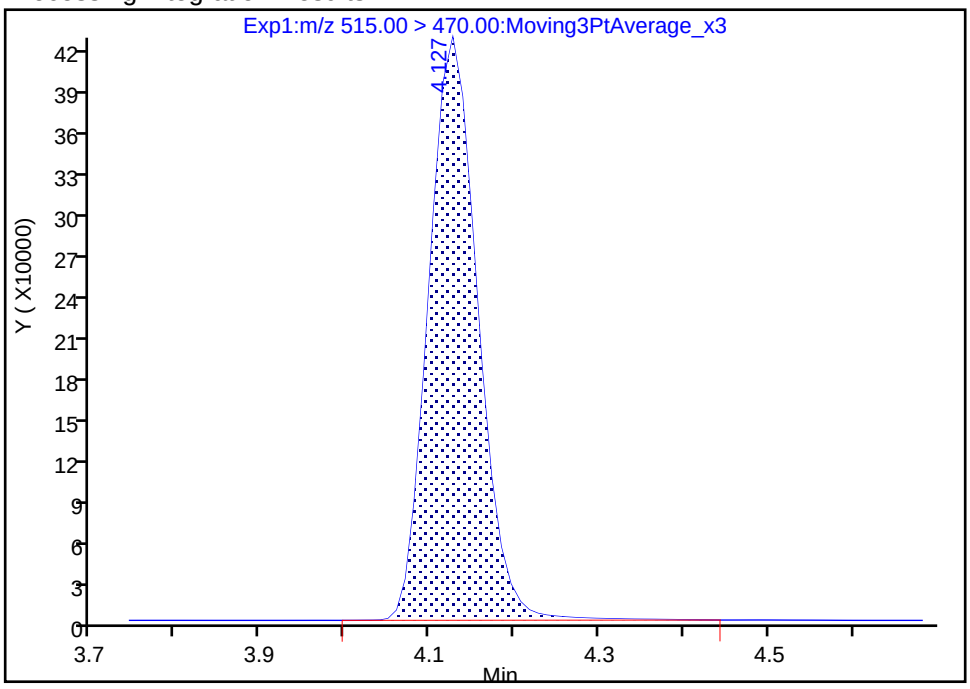
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

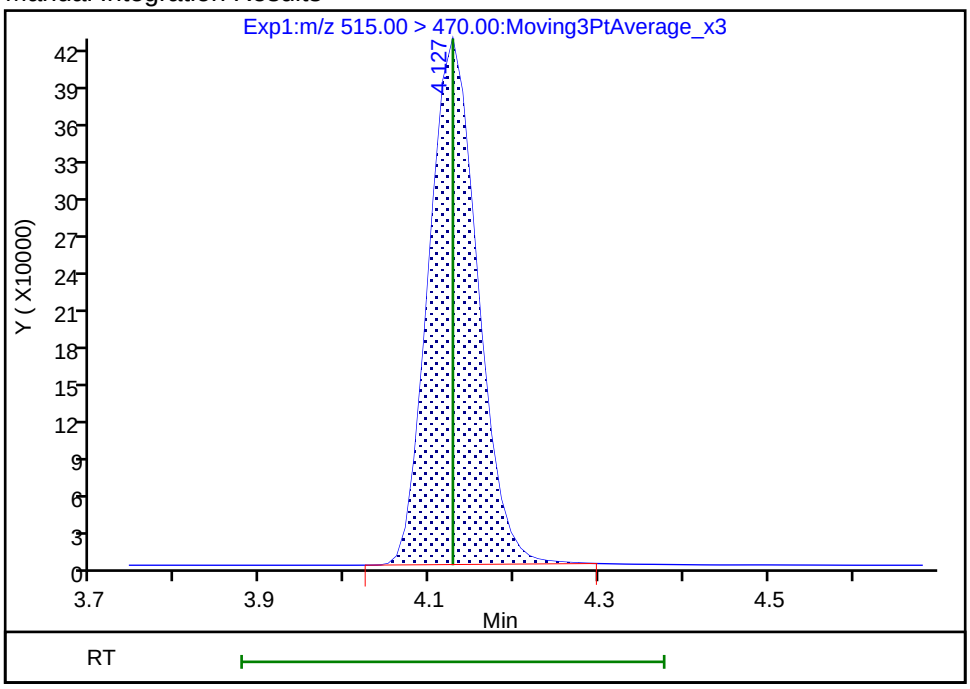
Processing Integration Results

RT: 4.13
Area: 1731957
Amount: 0.802695
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 1716953
Amount: 0.795741
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:39:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

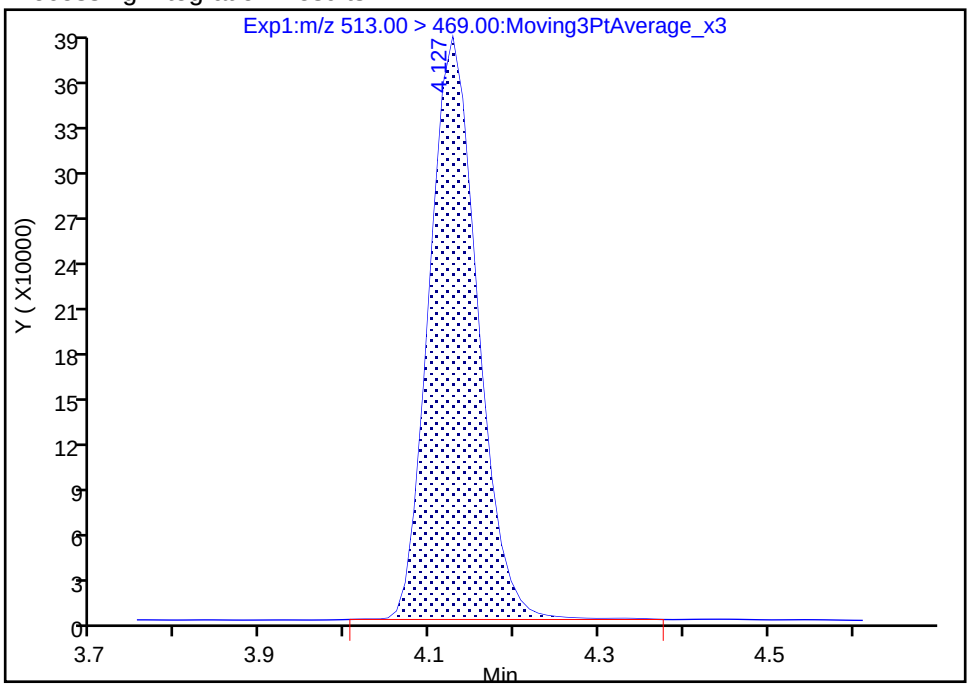
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

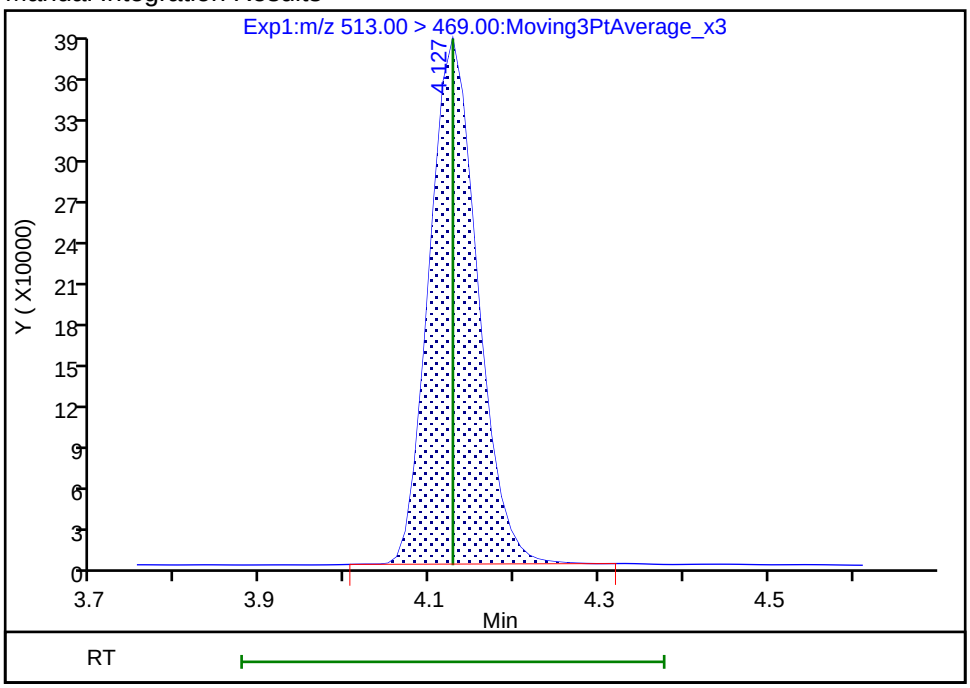
Processing Integration Results

RT: 4.13
Area: 1534533
Amount: 1.053072
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 1526795
Amount: 1.056918
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:39:41

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

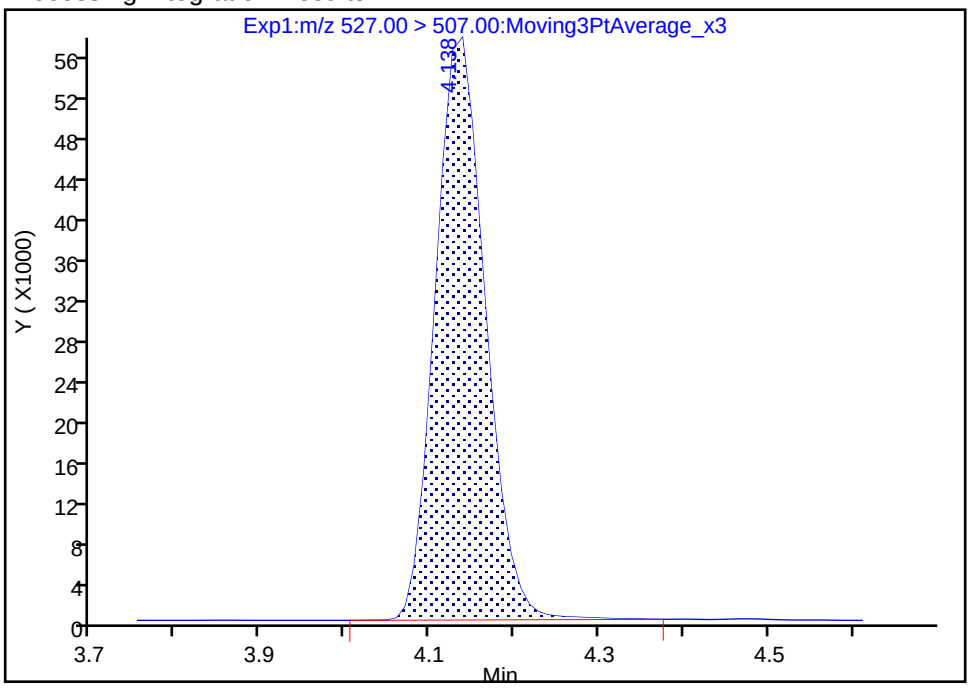
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

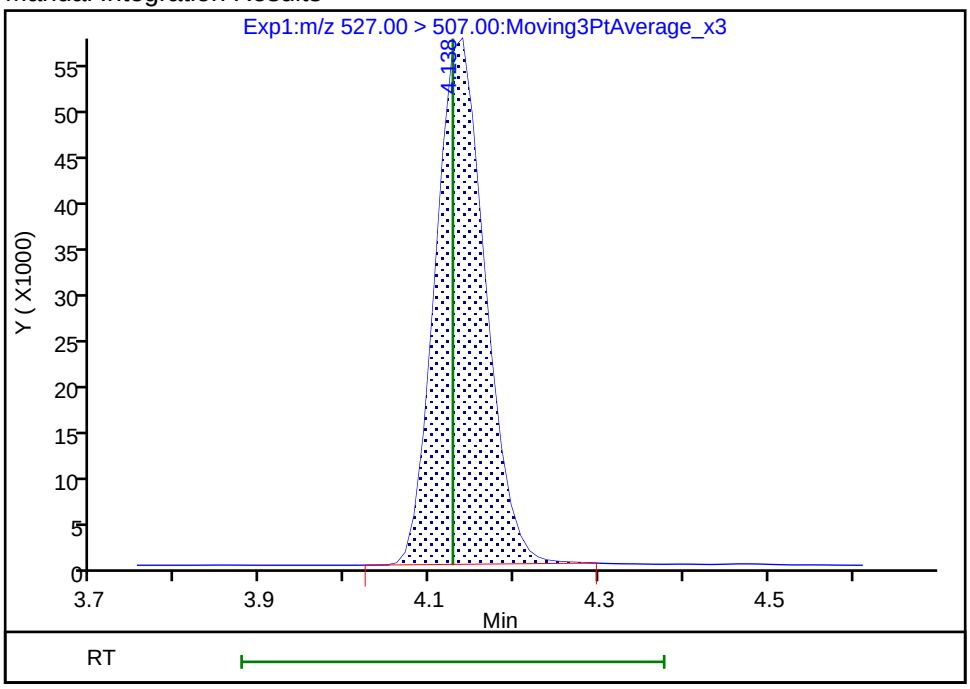
Processing Integration Results

RT: 4.14
Area: 233893
Amount: 1.078748
Amount Units: ng/ml



Manual Integration Results

RT: 4.14
Area: 232301
Amount: 1.078905
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:39:36

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

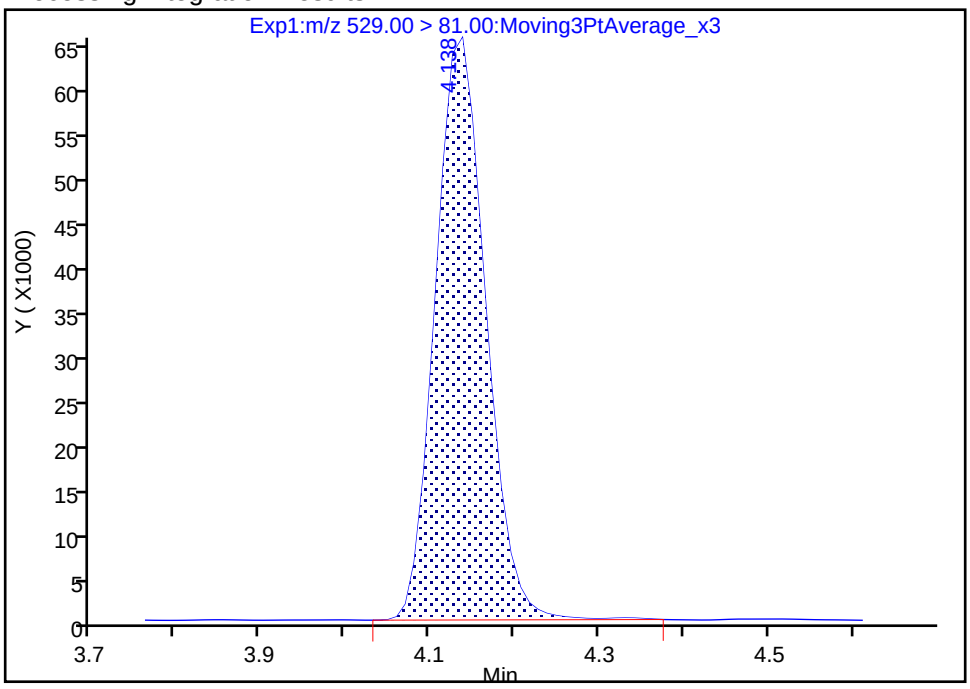
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

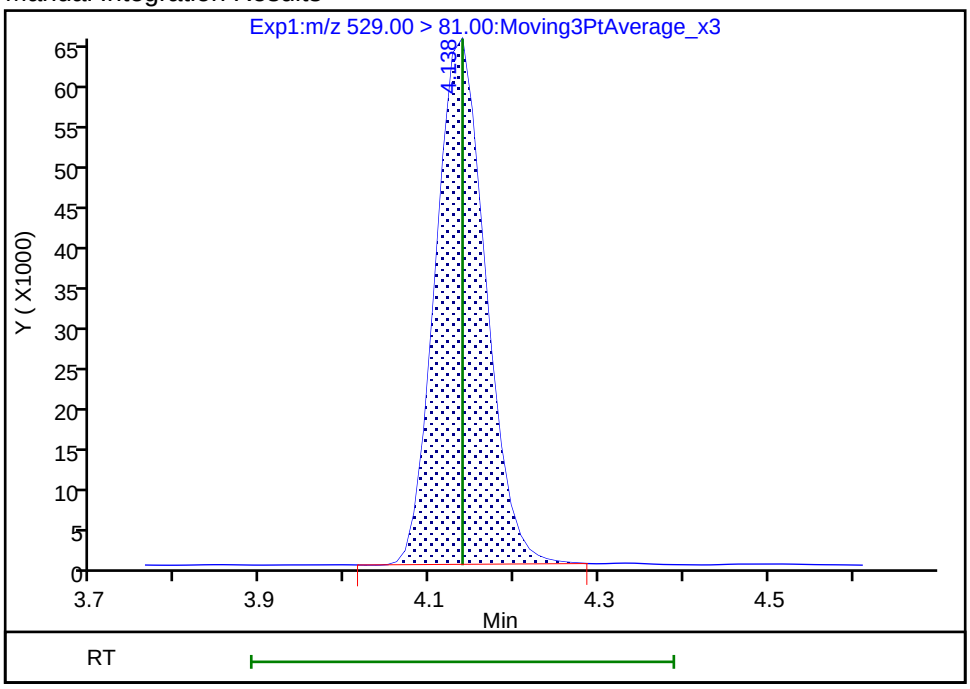
Processing Integration Results

RT: 4.14
Area: 268873
Amount: 0.815233
Amount Units: ng/ml



Manual Integration Results

RT: 4.14
Area: 267004
Amount: 0.809566
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:39:57

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

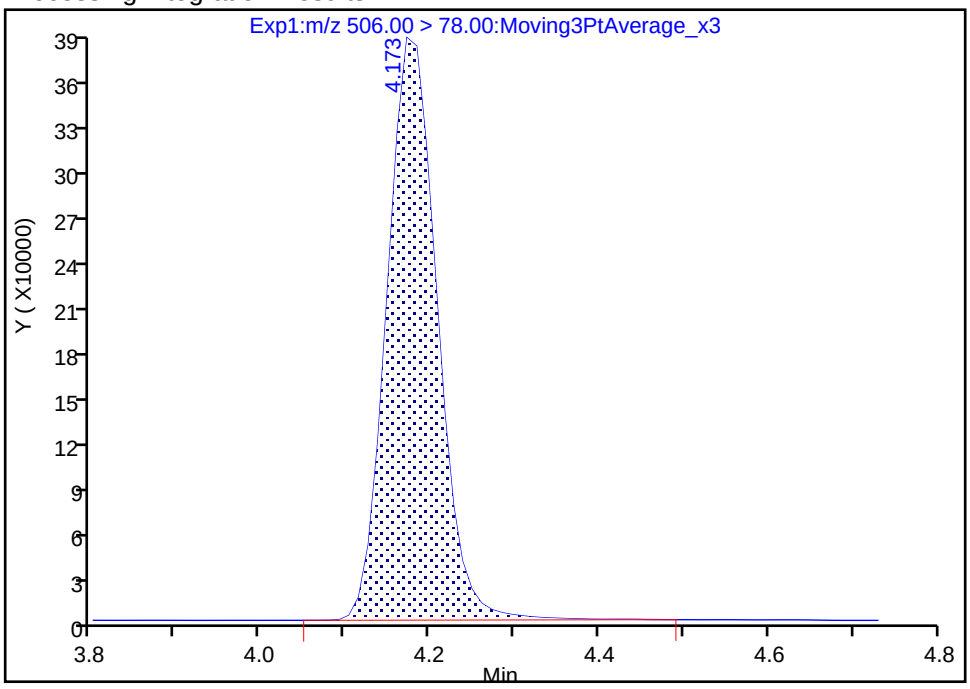
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

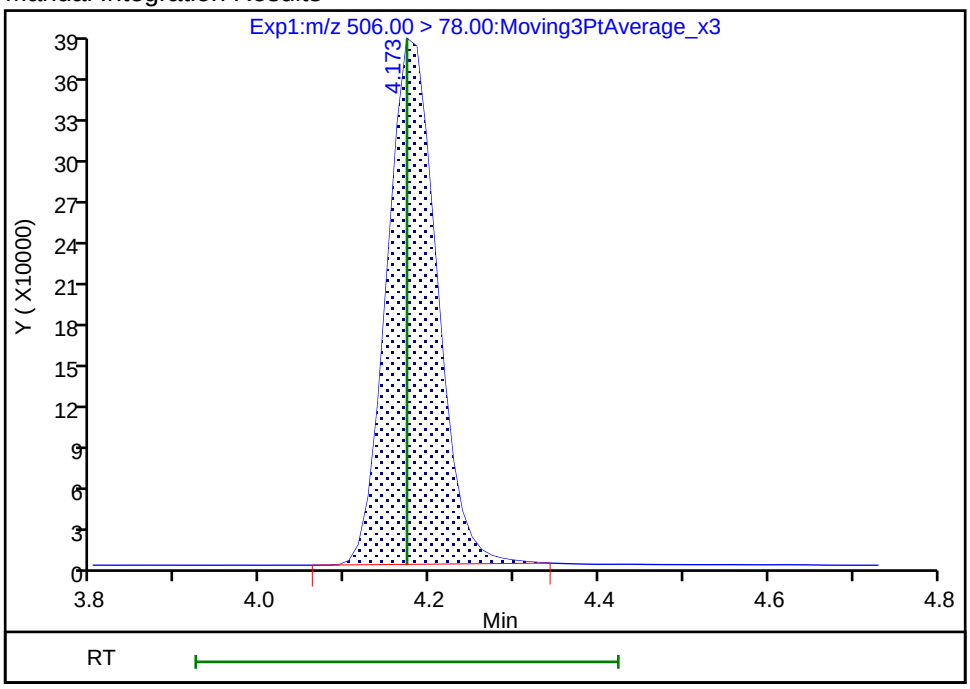
Processing Integration Results

RT: 4.17
Area: 1577327
Amount: 0.835248
Amount Units: ng/ml



Manual Integration Results

RT: 4.17
Area: 1563396
Amount: 0.827871
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:40:01

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

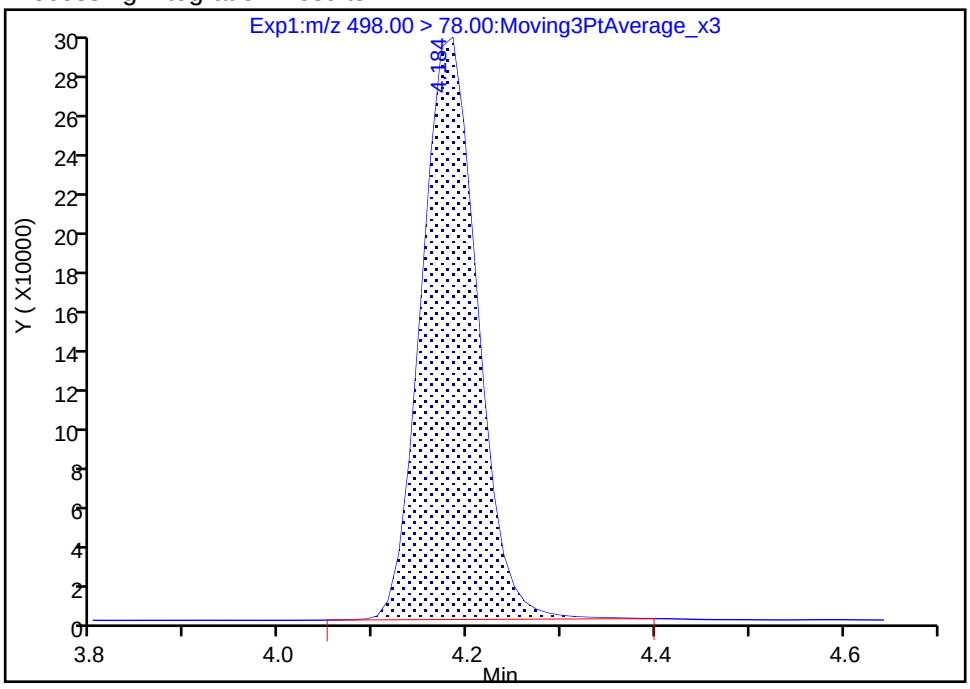
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

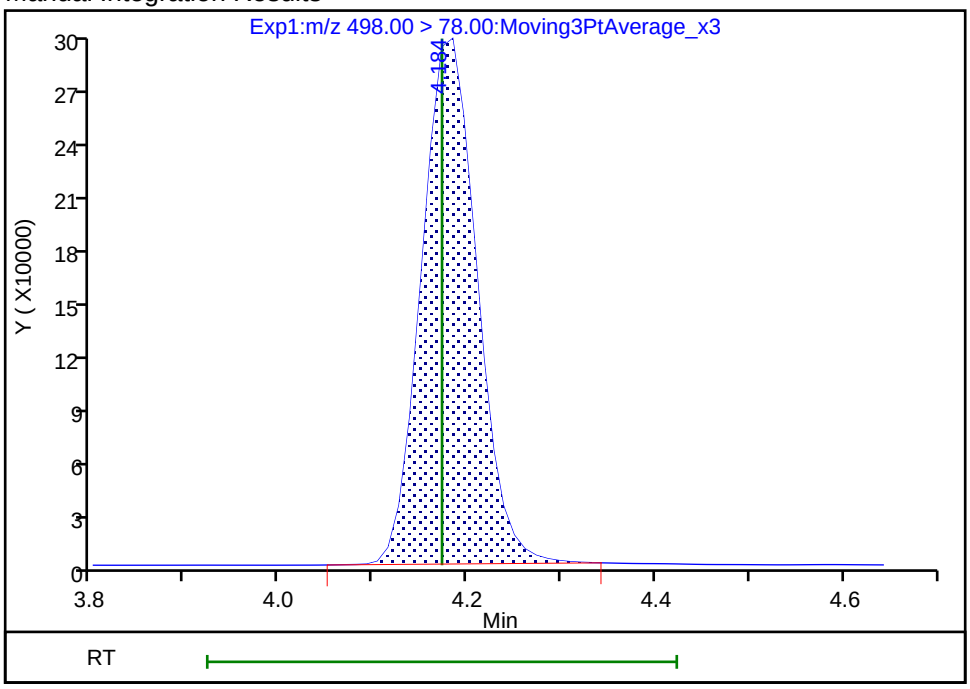
Processing Integration Results

RT: 4.18
Area: 1214888
Amount: 0.953234
Amount Units: ng/ml



Manual Integration Results

RT: 4.18
Area: 1209120
Amount: 0.948708
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:40:06

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

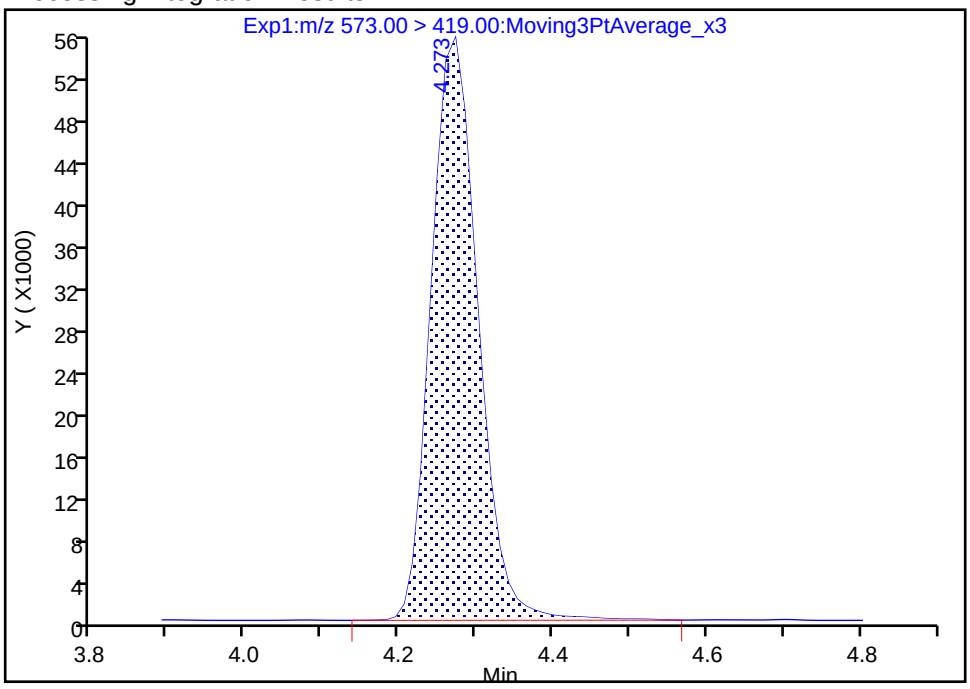
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

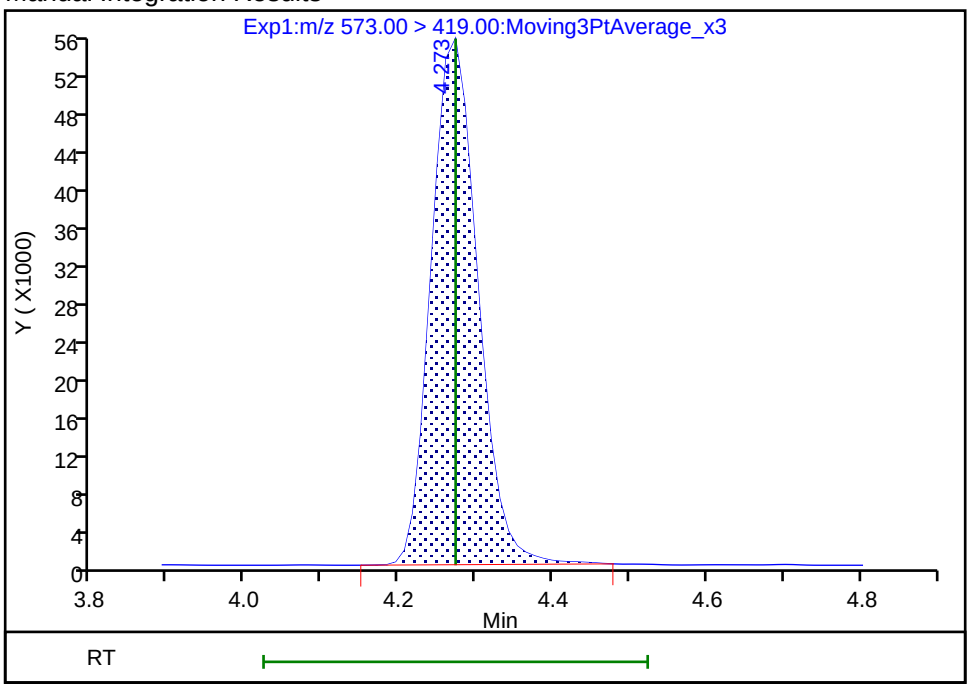
Processing Integration Results

RT: 4.27
Area: 234684
Amount: 0.811502
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 233049
Amount: 0.805849
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:40:16
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

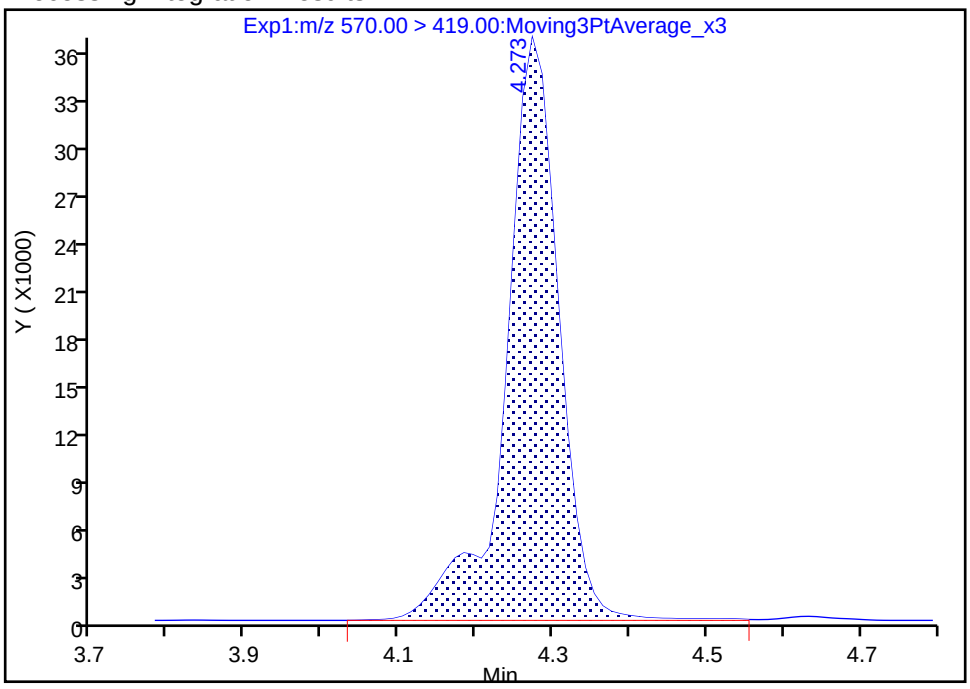
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

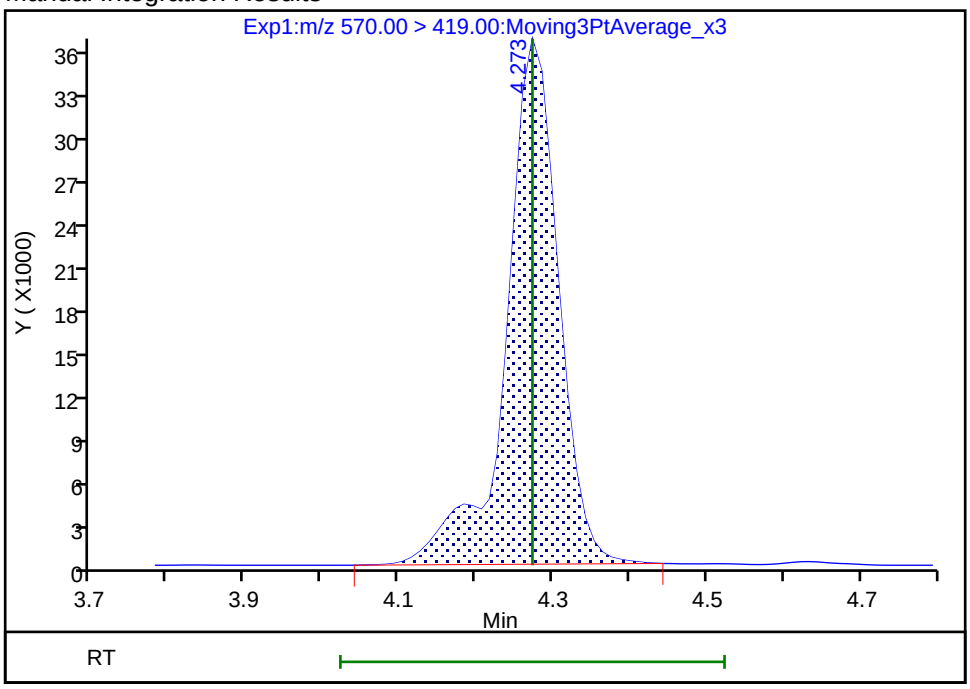
Processing Integration Results

RT: 4.27
Area: 176320
Amount: 1.057452
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 174136
Amount: 1.051681
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:40:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

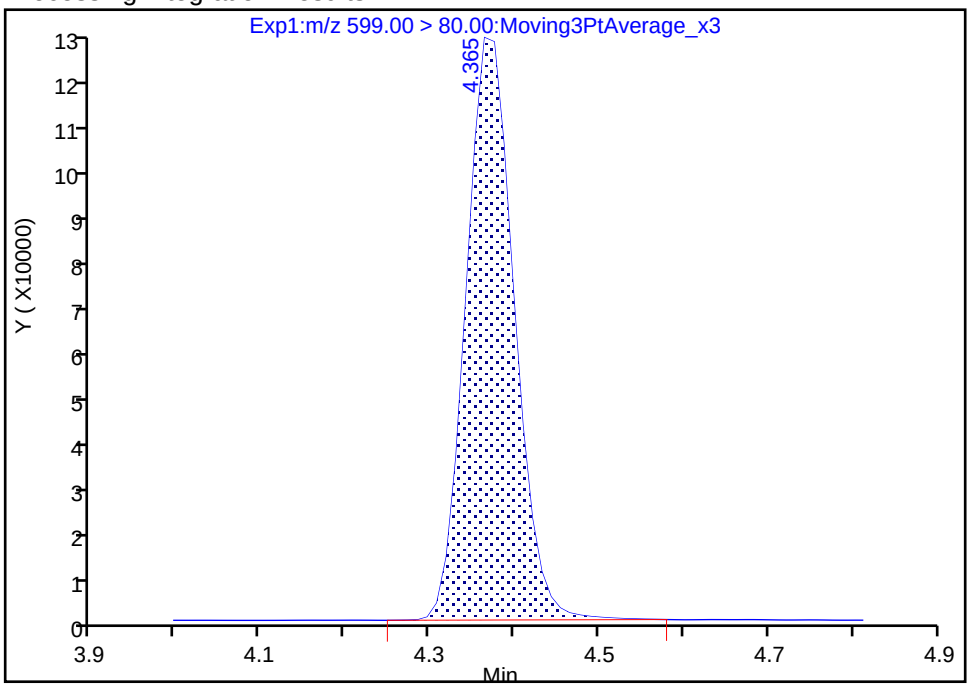
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

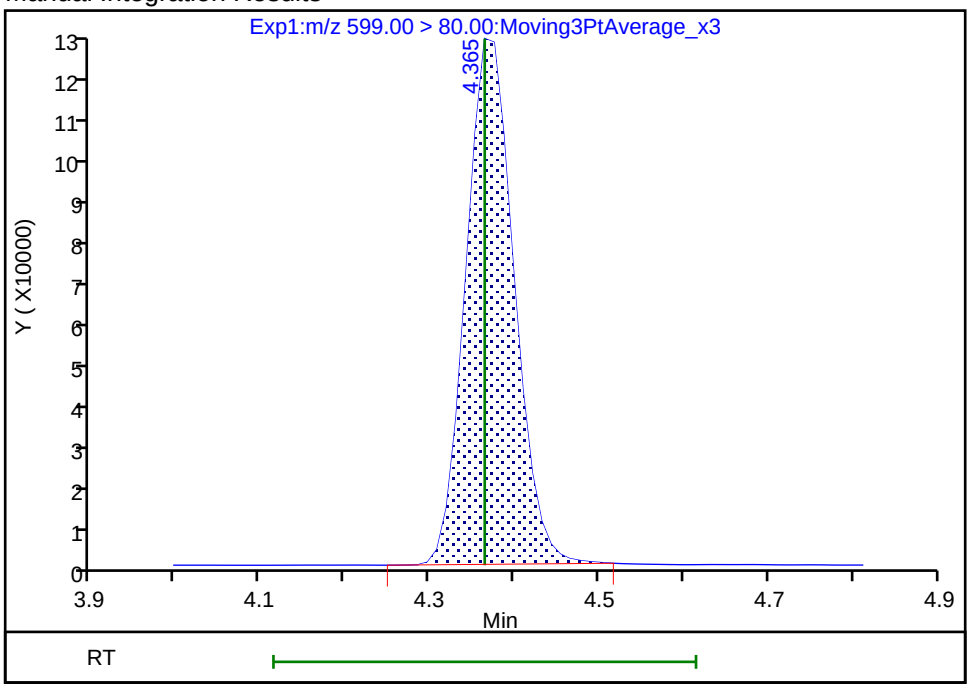
Processing Integration Results

RT: 4.36
Area: 509645
Amount: 1.140322
Amount Units: ng/ml



Manual Integration Results

RT: 4.36
Area: 506441
Amount: 1.133153
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:40:21

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

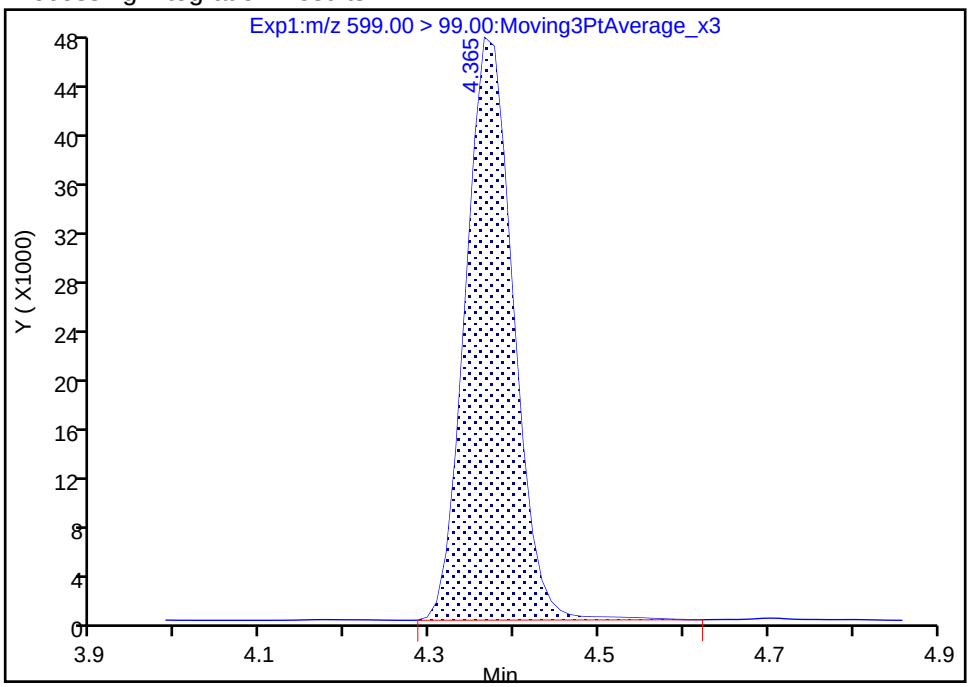
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

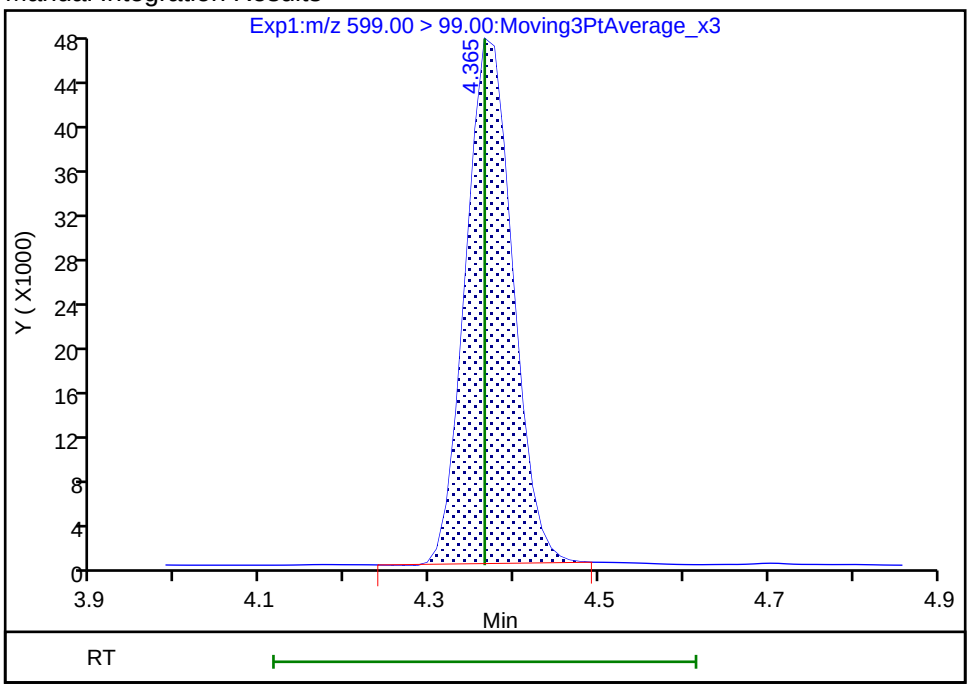
Processing Integration Results

RT: 4.36
Area: 186932
Amount: 1.140322
Amount Units: ng/ml



Manual Integration Results

RT: 4.36
Area: 184002
Amount: 1.133153
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:40:24
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

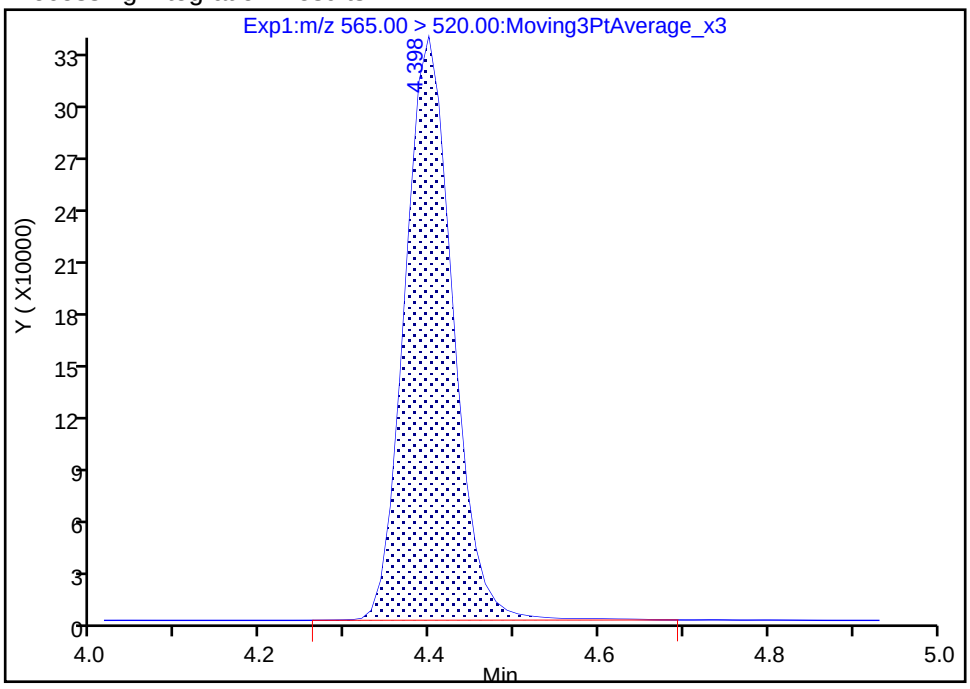
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

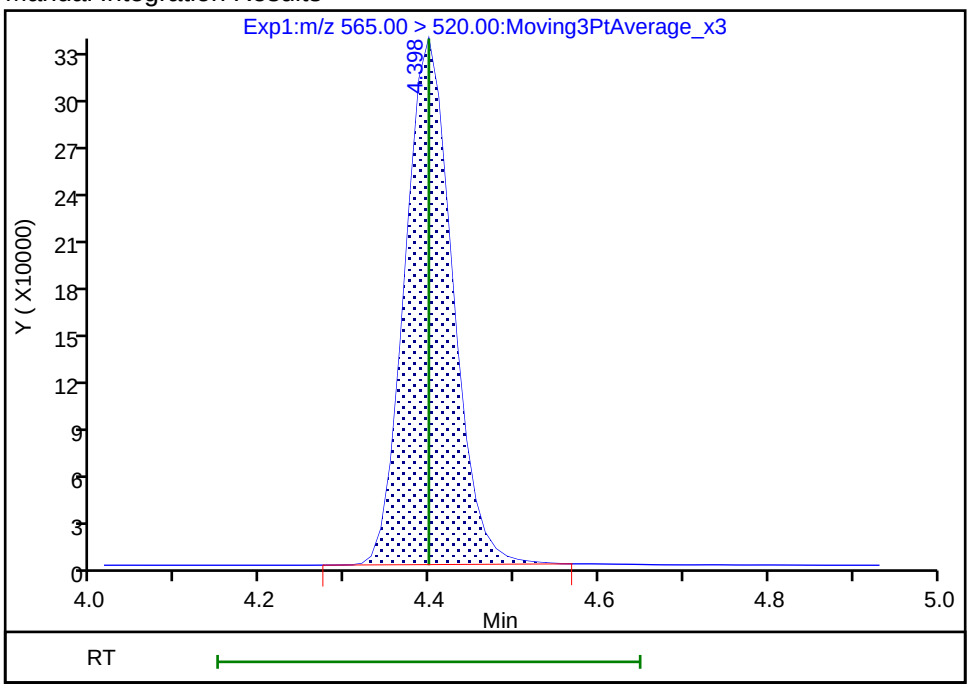
Processing Integration Results

RT: 4.40
Area: 1324935
Amount: 0.810445
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 1315326
Amount: 0.804568
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:40:41
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

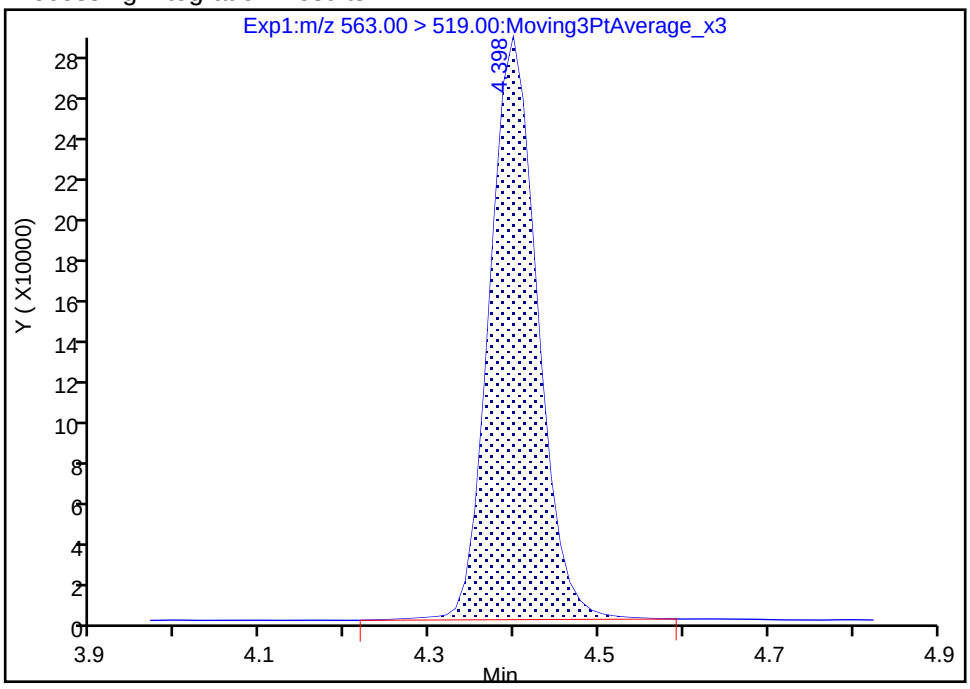
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

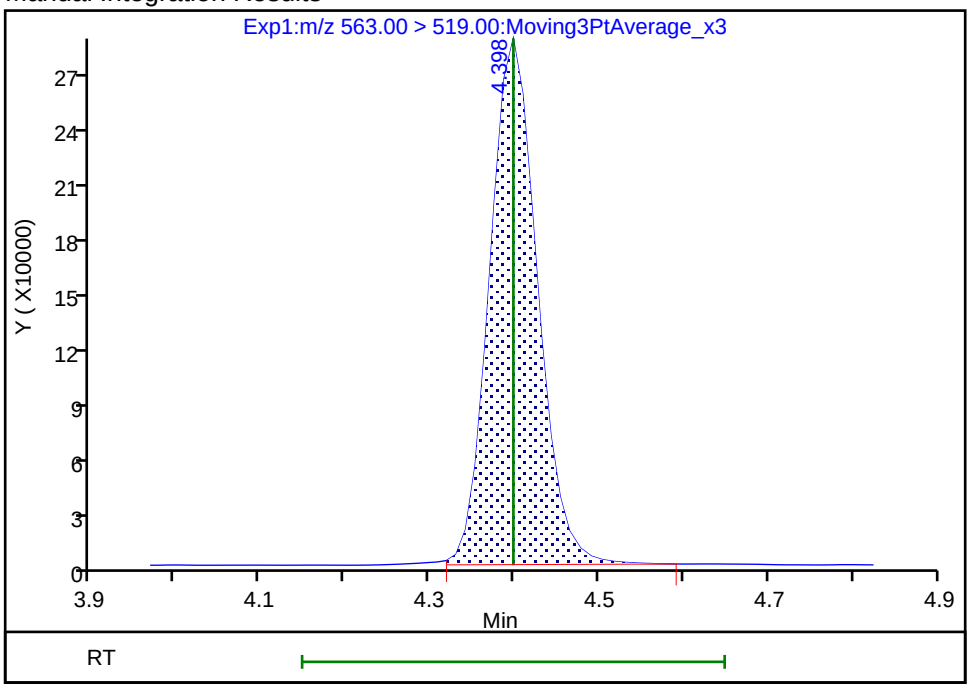
Processing Integration Results

RT: 4.40
Area: 1129531
Amount: 1.005861
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 1125072
Amount: 1.009210
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:40:32
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

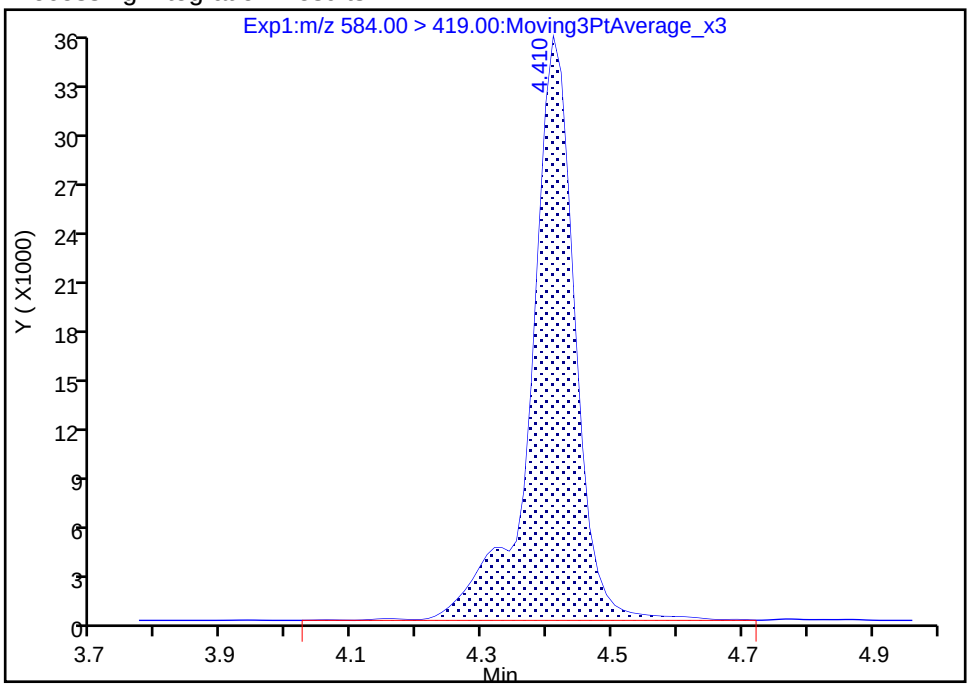
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

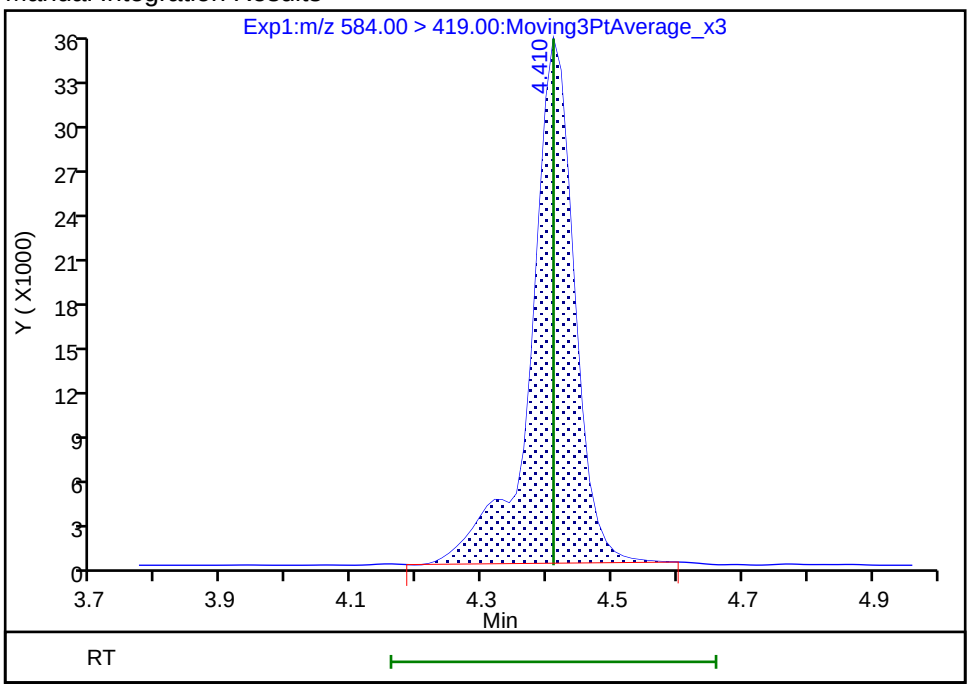
Processing Integration Results

RT: 4.41
Area: 166984
Amount: 1.094346
Amount Units: ng/ml



Manual Integration Results

RT: 4.41
Area: 162832
Amount: 1.067135
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:40:46

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

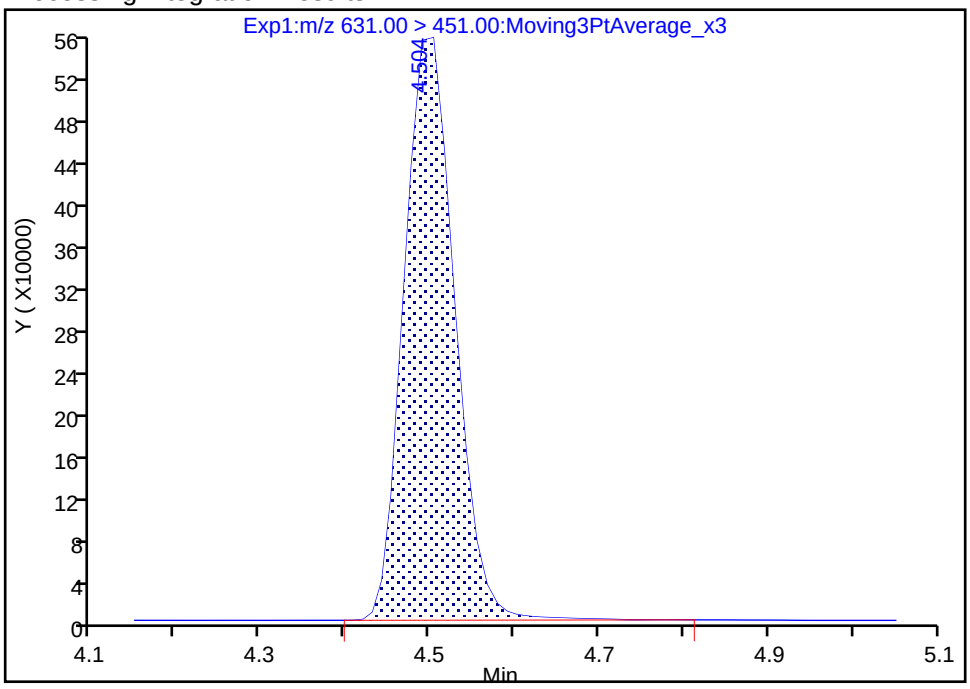
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

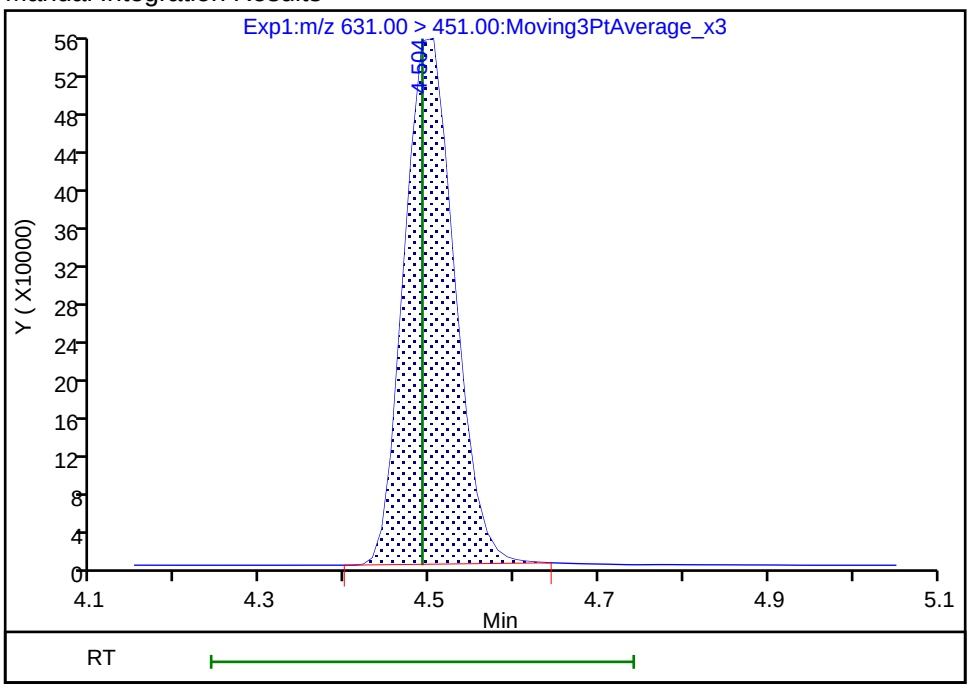
Processing Integration Results

RT: 4.50
Area: 2314632
Amount: 1.305764
Amount Units: ng/ml



Manual Integration Results

RT: 4.50
Area: 2291190
Amount: 1.299145
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:23:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

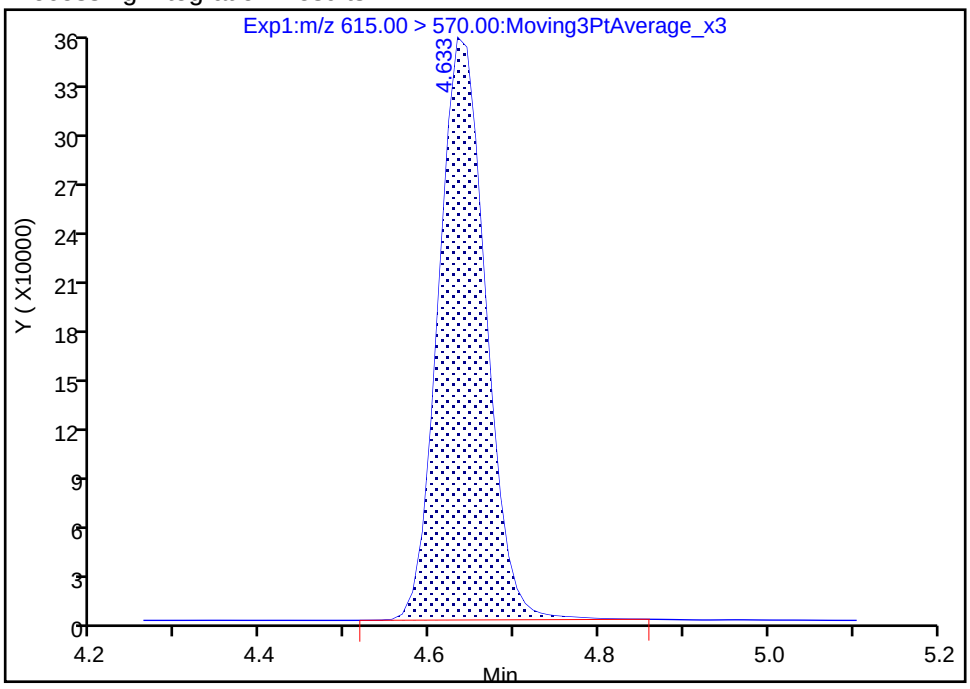
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 36 13C2 PFDoA, CAS: STL00998

Signal: 1

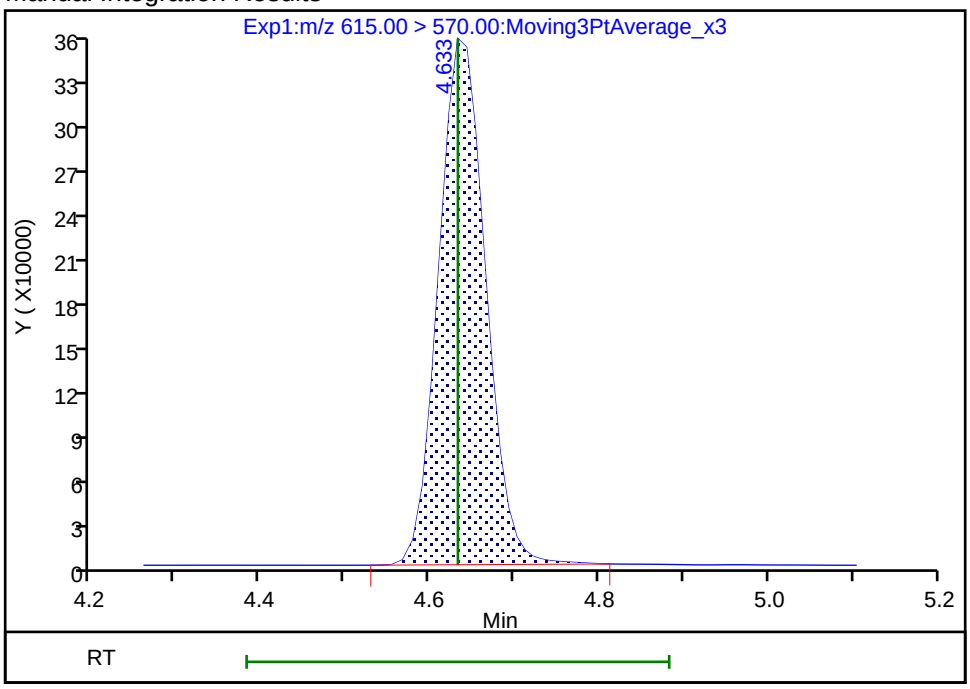
Processing Integration Results

RT: 4.63
Area: 1383093
Amount: 0.816431
Amount Units: ng/ml



Manual Integration Results

RT: 4.63
Area: 1380113
Amount: 0.814672
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:40:53
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

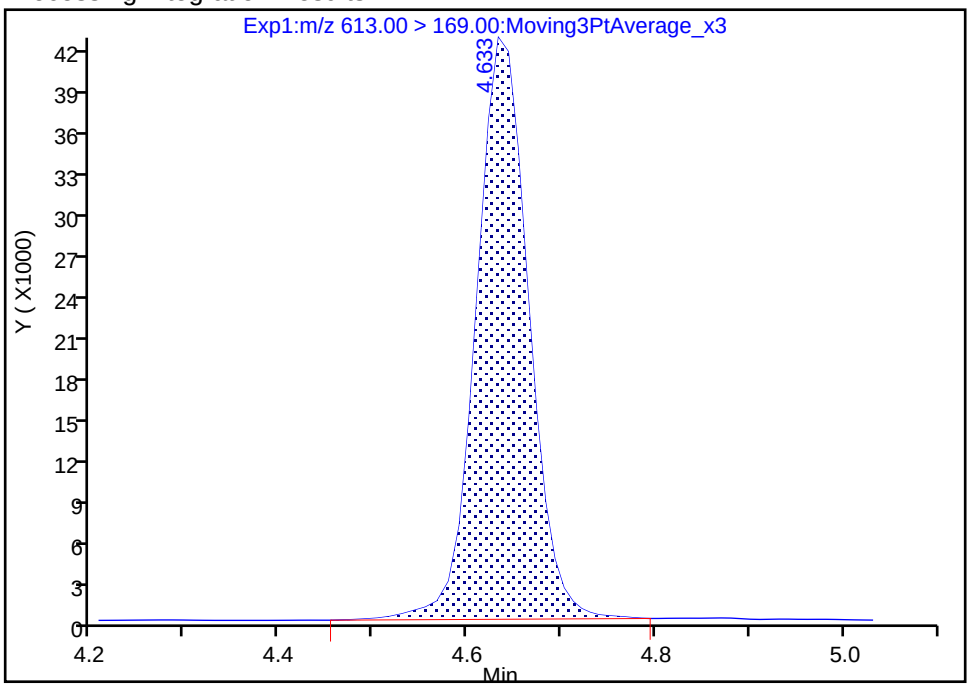
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

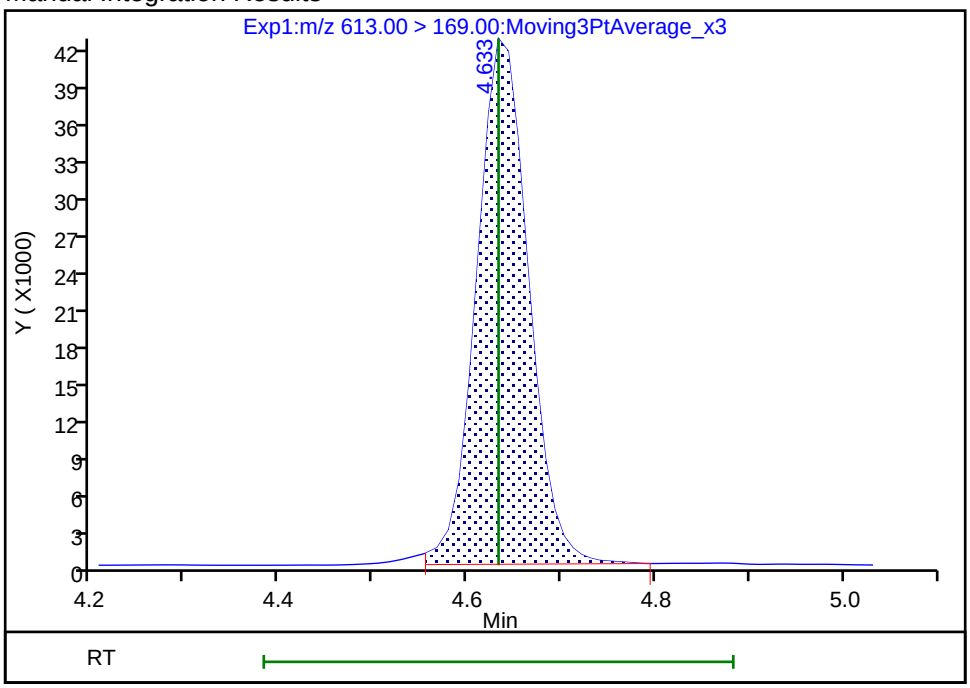
Processing Integration Results

RT: 4.63
Area: 164134
Amount: 0.990238
Amount Units: ng/ml



Manual Integration Results

RT: 4.63
Area: 162557
Amount: 0.990238
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:40:59
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

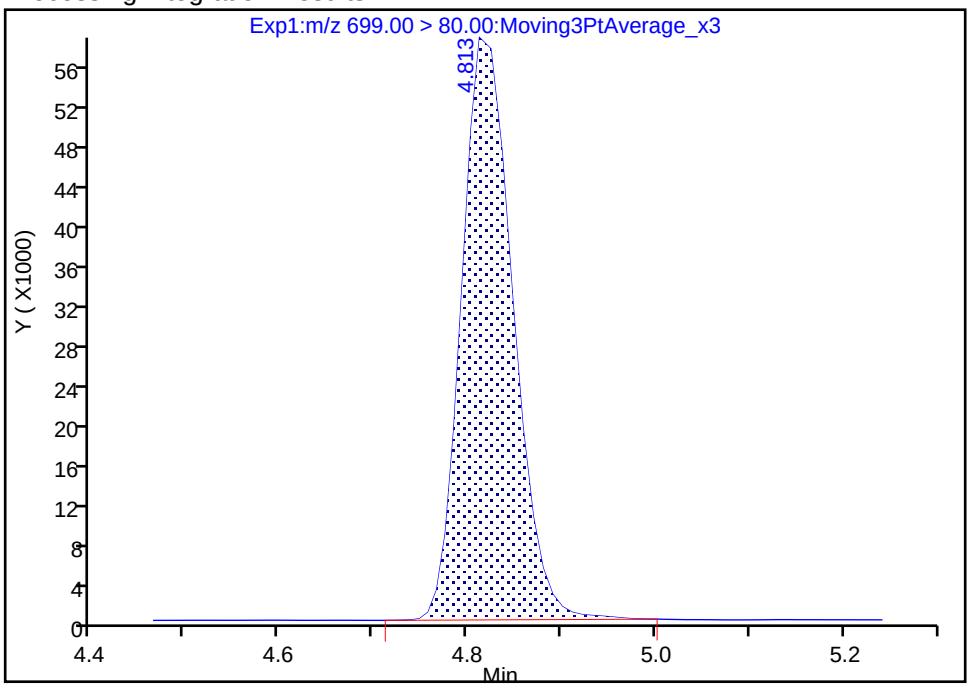
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

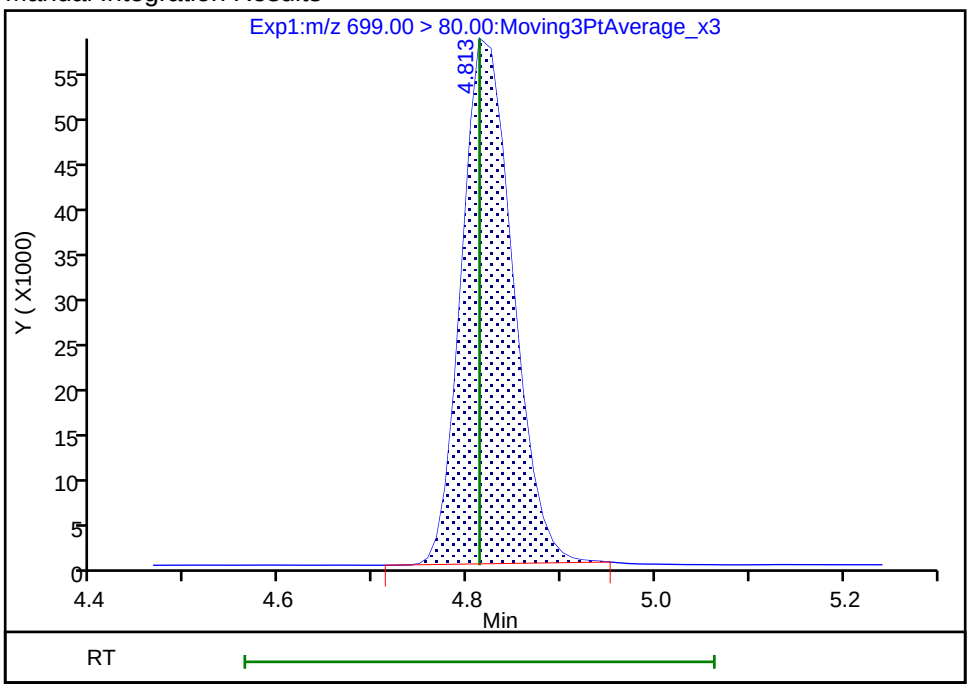
Processing Integration Results

RT: 4.81
Area: 223300
Amount: 1.125293
Amount Units: ng/ml



Manual Integration Results

RT: 4.81
Area: 221186
Amount: 1.114640
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:41:22

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

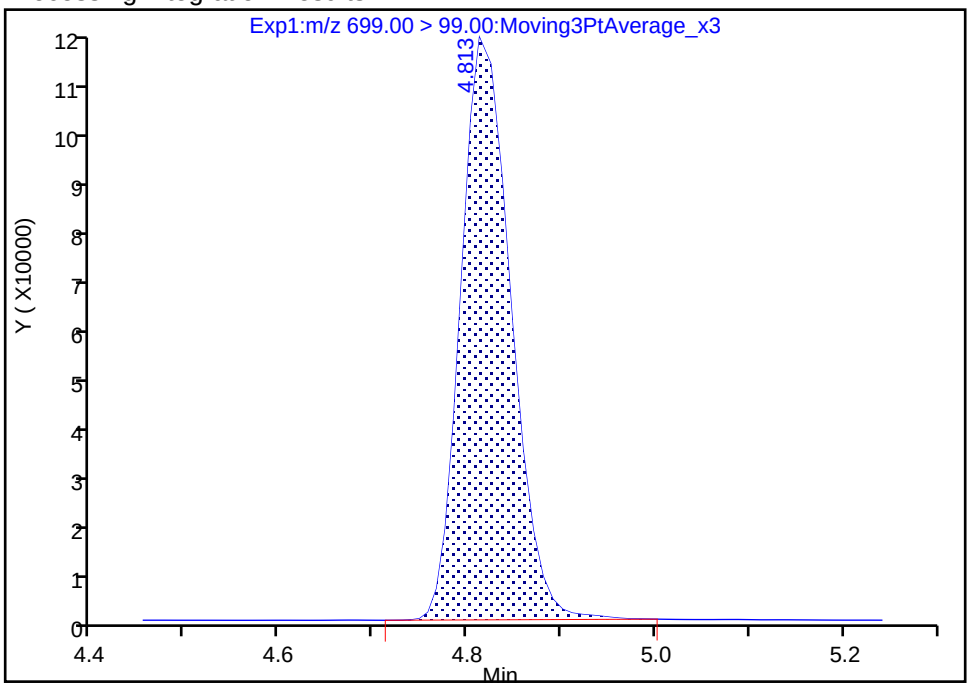
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 2

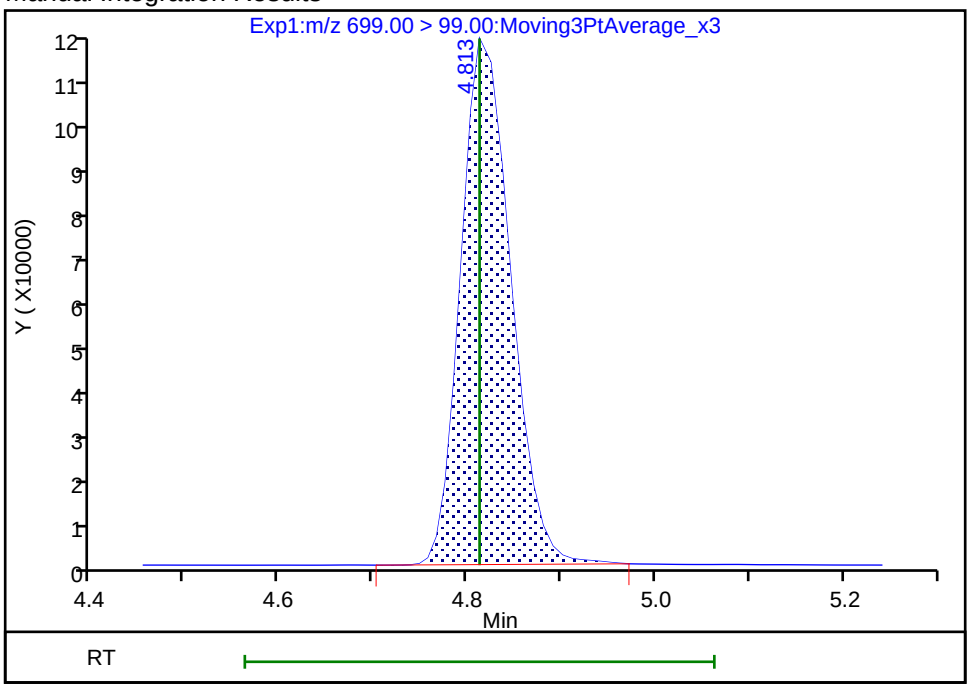
Processing Integration Results

RT: 4.81
Area: 410445
Amount: 1.125293
Amount Units: ng/ml



Manual Integration Results

RT: 4.81
Area: 409515
Amount: 1.114640
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:41:26

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

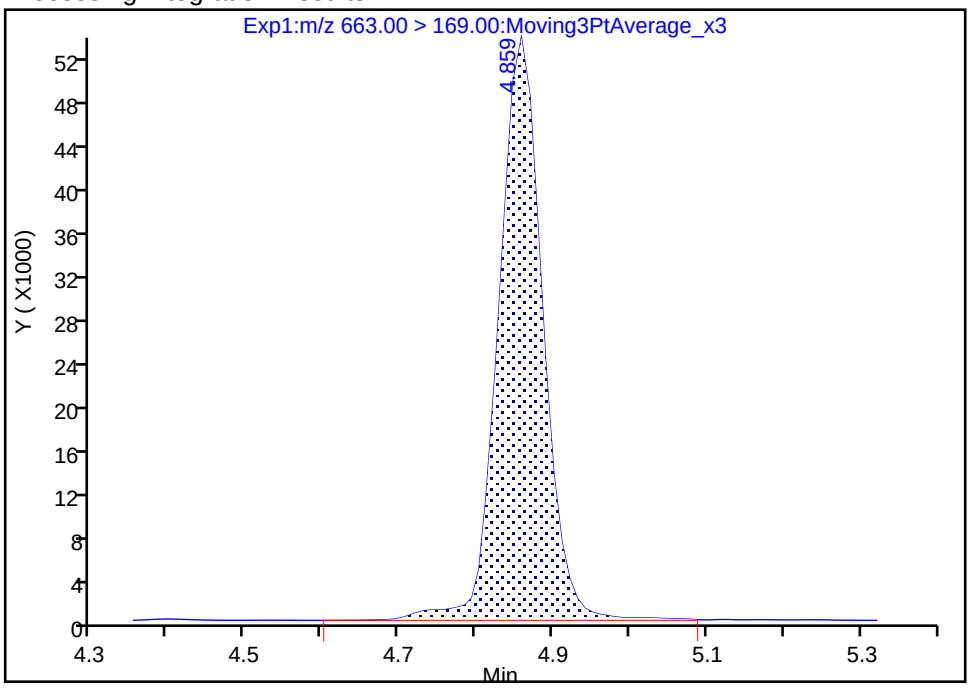
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d
Injection Date: 03-Aug-2022 13:57:30 Instrument ID: LC812
Lims ID: ICV
Client ID:
Operator ID: lc812tech ALS Bottle#: 9 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

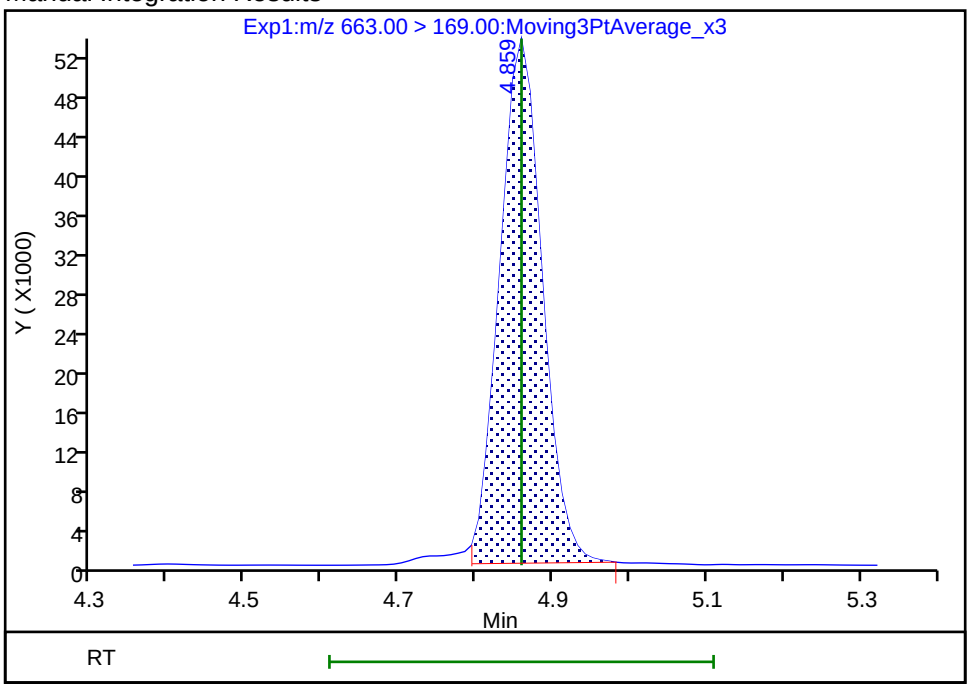
Processing Integration Results

RT: 4.86
Area: 212622
Amount: 0.947628
Amount Units: ng/ml



Manual Integration Results

RT: 4.86
Area: 203457
Amount: 0.931144
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:41:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

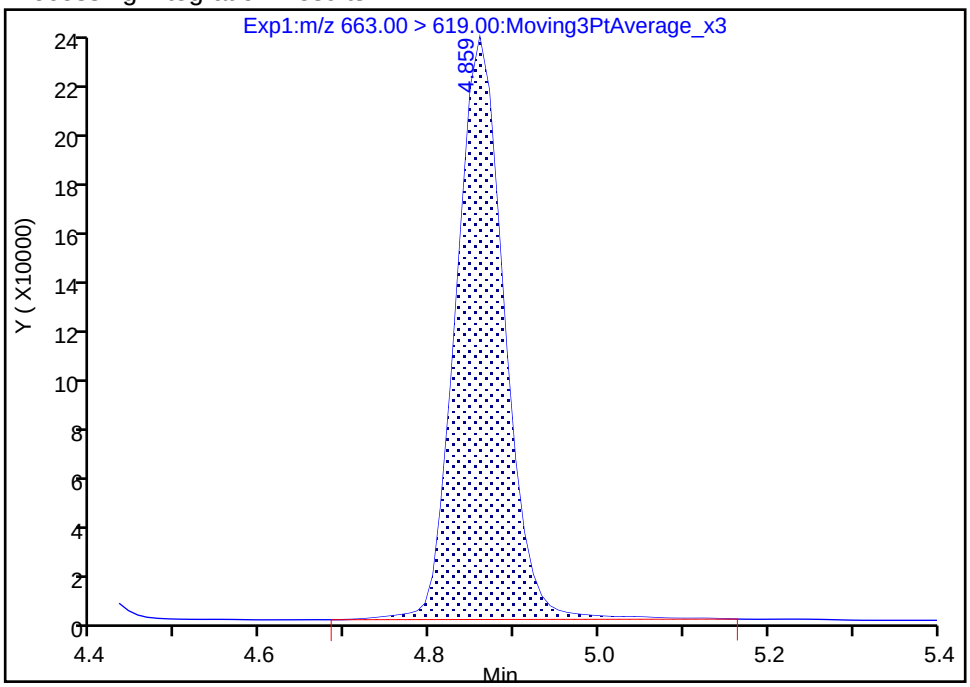
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

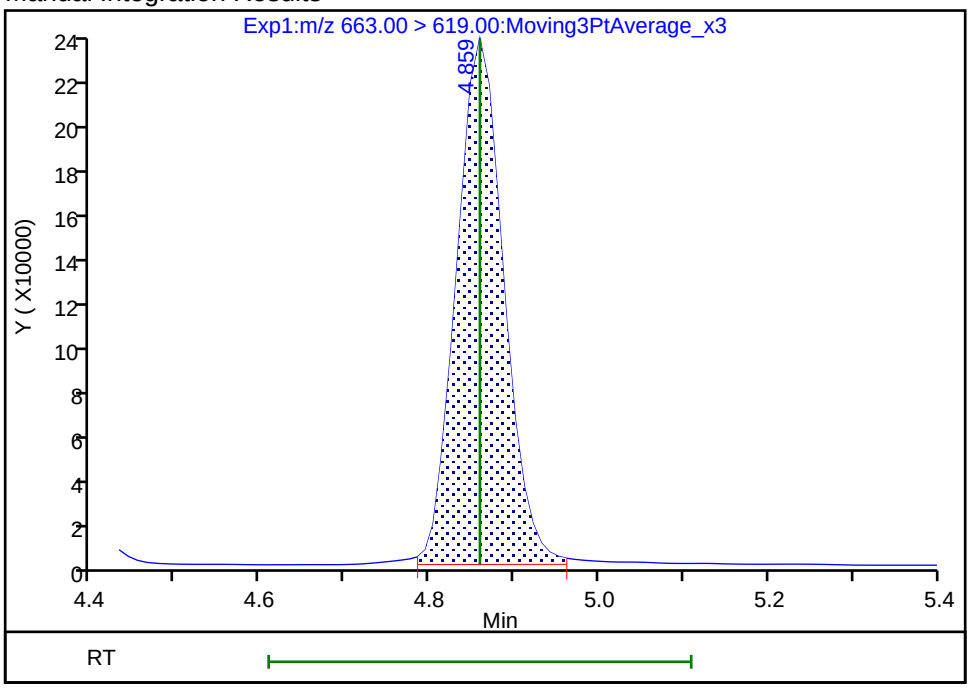
Processing Integration Results

RT: 4.86
Area: 919791
Amount: 0.947628
Amount Units: ng/ml



Manual Integration Results

RT: 4.86
Area: 903791
Amount: 0.931144
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:41:47

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

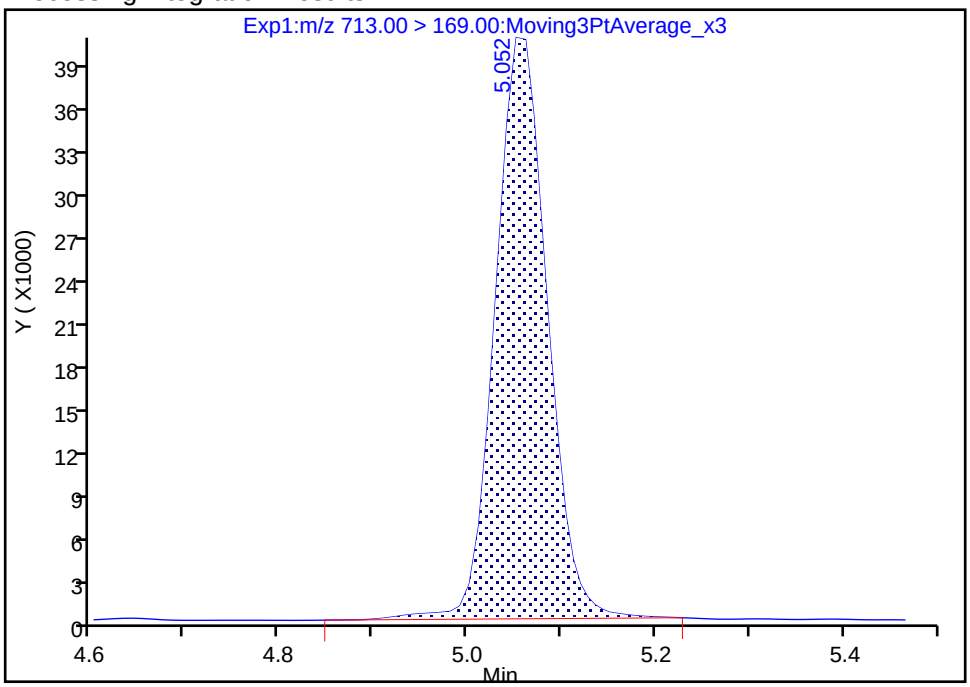
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

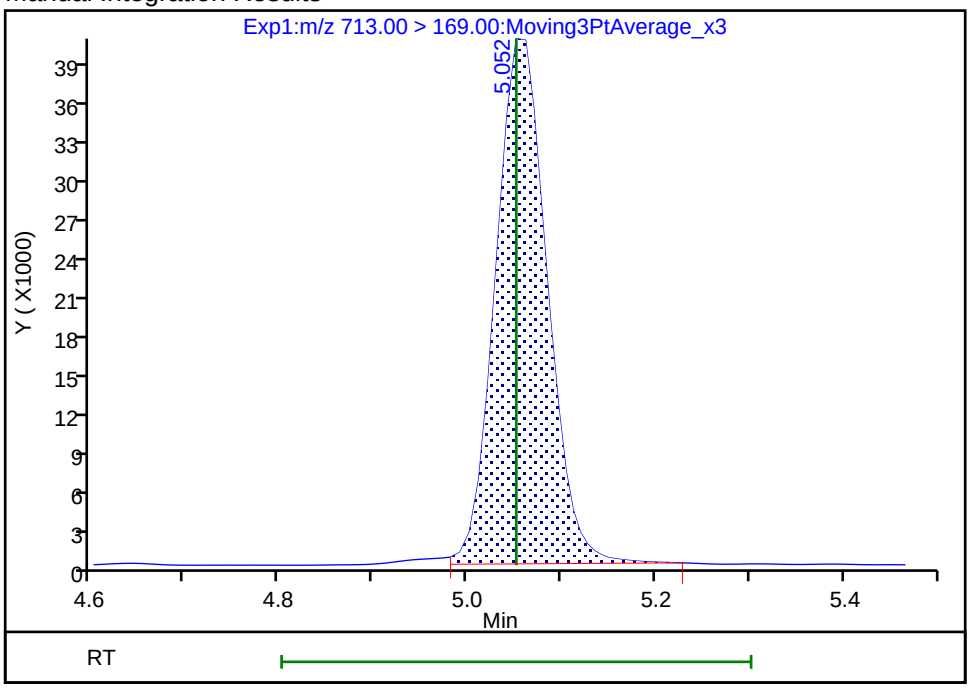
Processing Integration Results

RT: 5.05
Area: 155260
Amount: 1.055073
Amount Units: ng/ml



Manual Integration Results

RT: 5.05
Area: 153673
Amount: 1.044289
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:41:54

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

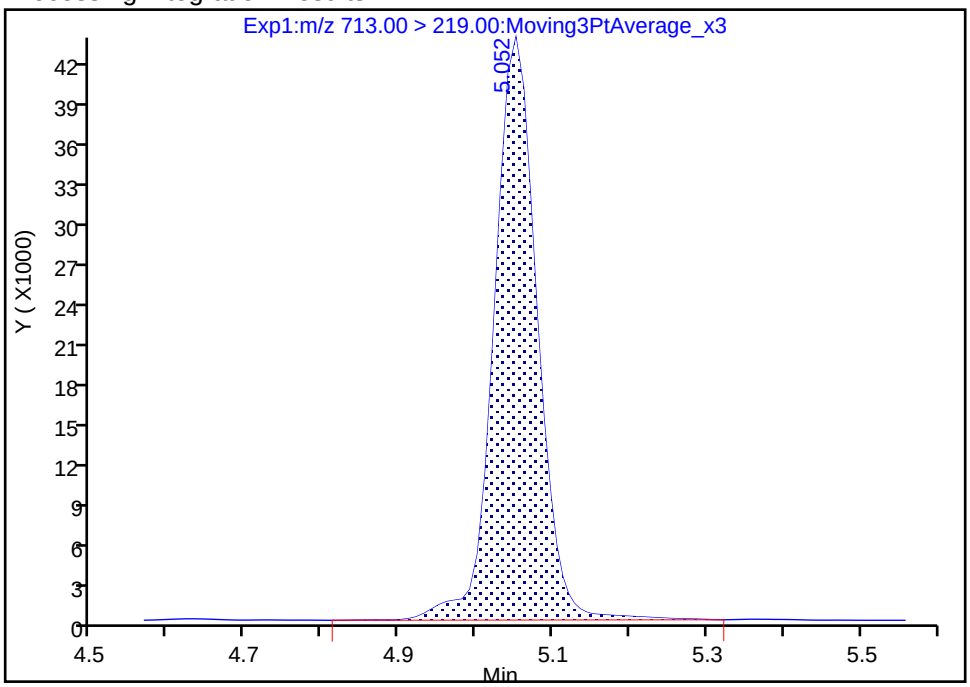
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

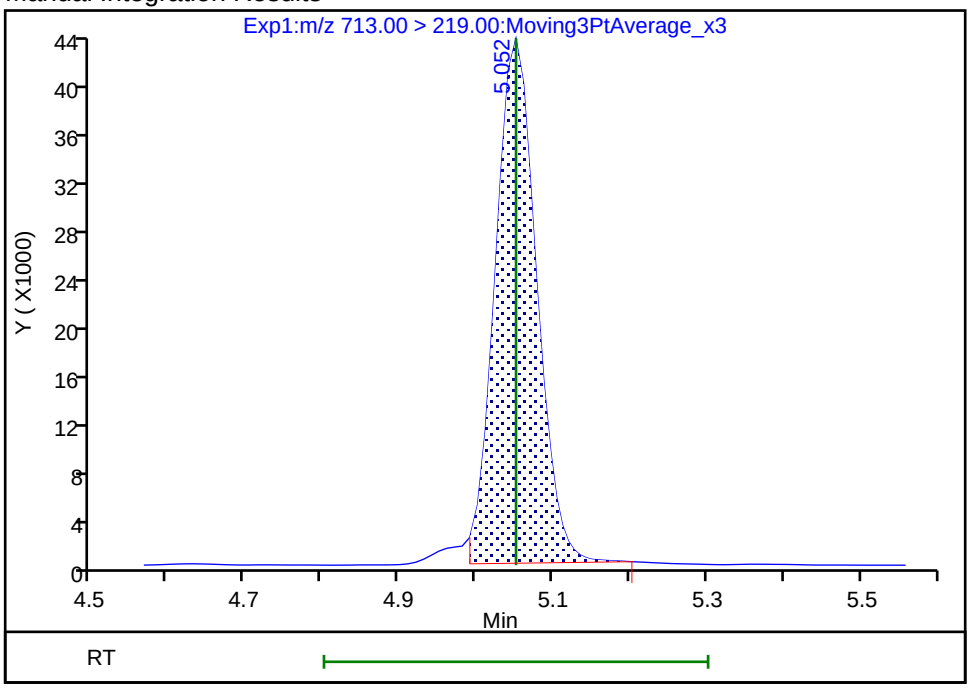
Processing Integration Results

RT: 5.05
Area: 171531
Amount: 1.055073
Amount Units: ng/ml



Manual Integration Results

RT: 5.05
Area: 163334
Amount: 1.044289
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:42:01

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

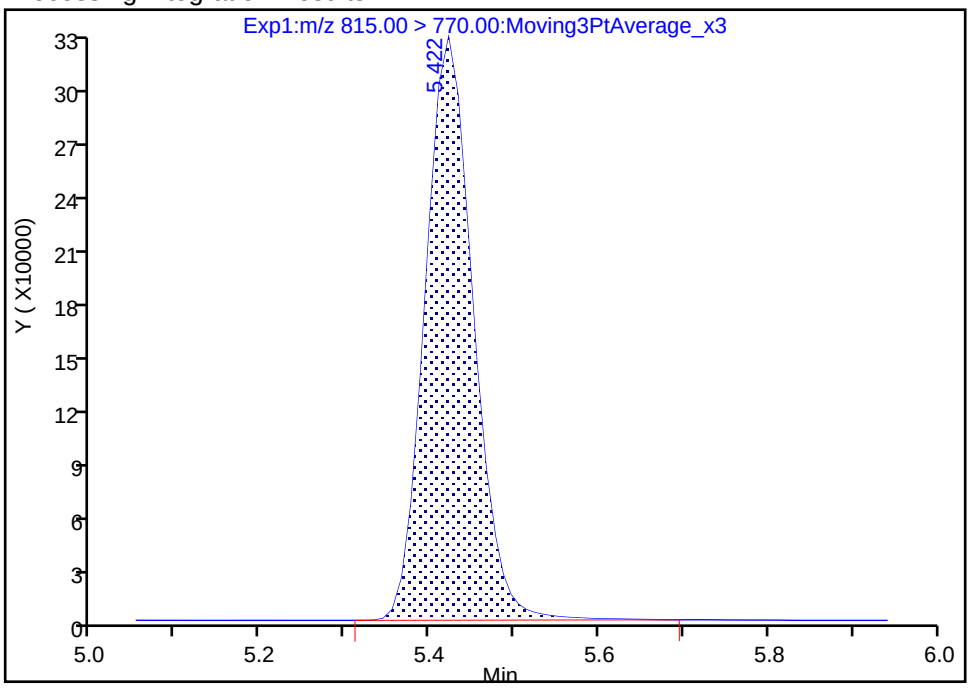
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

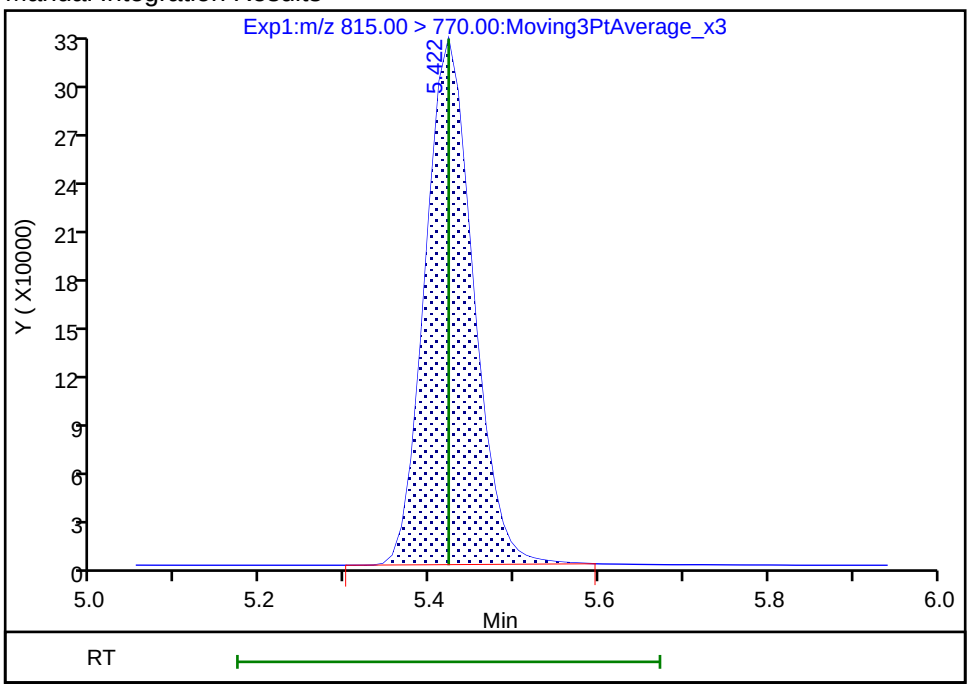
Processing Integration Results

RT: 5.42
Area: 1297334
Amount: 0.822386
Amount Units: ng/ml



Manual Integration Results

RT: 5.42
Area: 1289531
Amount: 0.817440
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:42:07

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

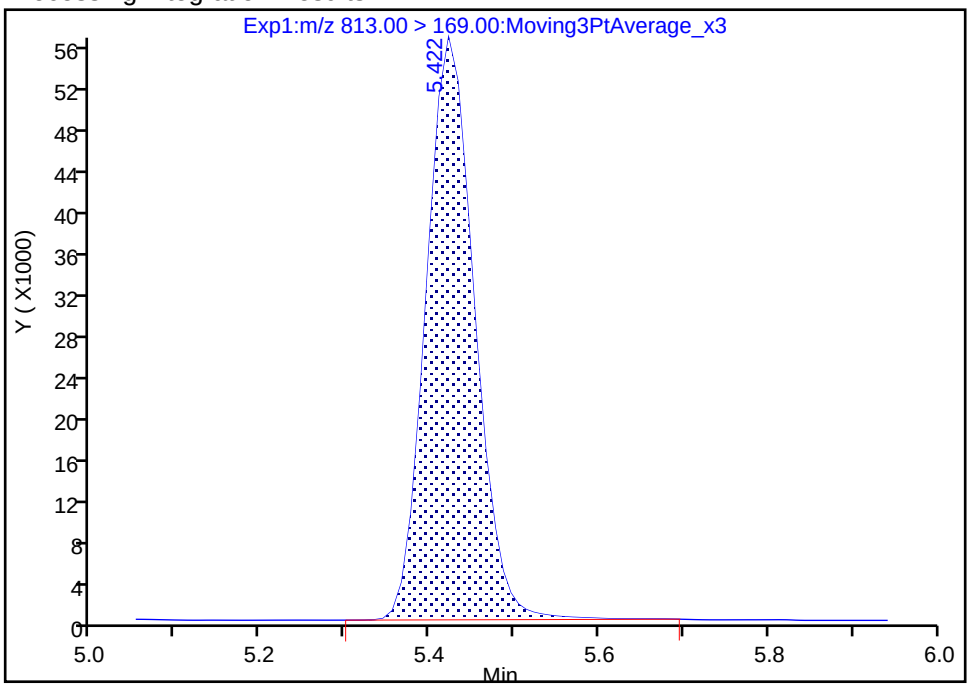
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

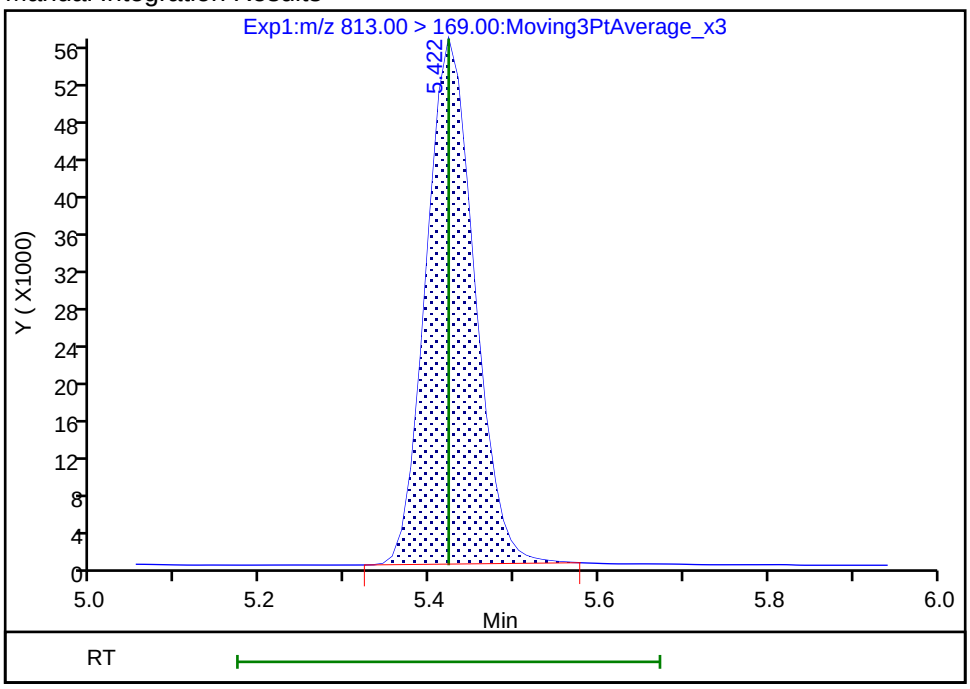
Processing Integration Results

RT: 5.42
Area: 222984
Amount: 1.031346
Amount Units: ng/ml



Manual Integration Results

RT: 5.42
Area: 221132
Amount: 1.031346
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:42:12

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

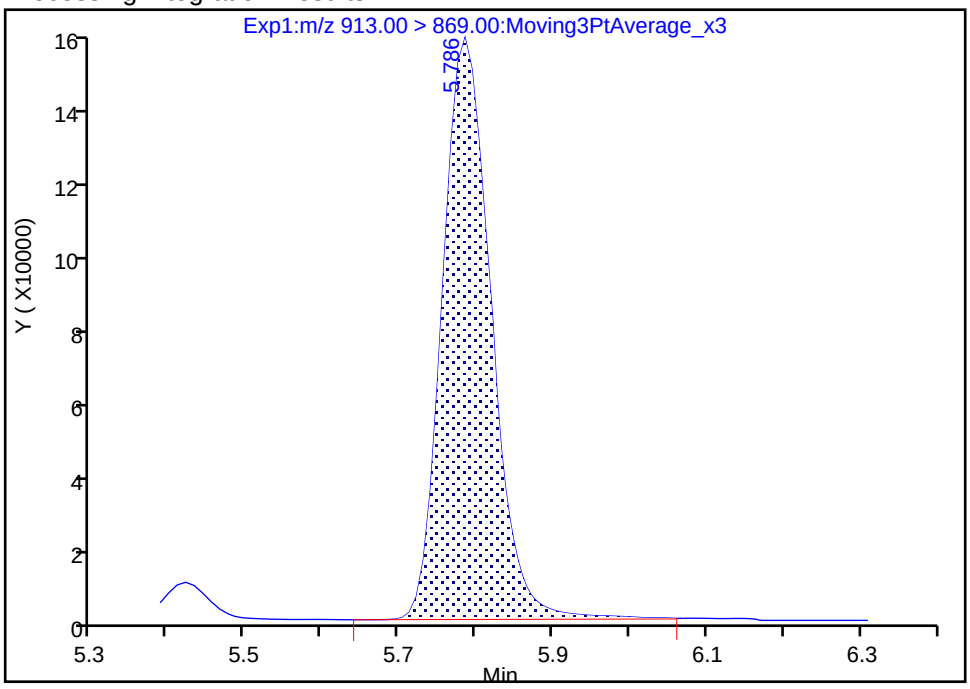
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL12.d				
Injection Date:	03-Aug-2022 13:57:30	Instrument ID:	LC812		
Lims ID:	ICV				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	9	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

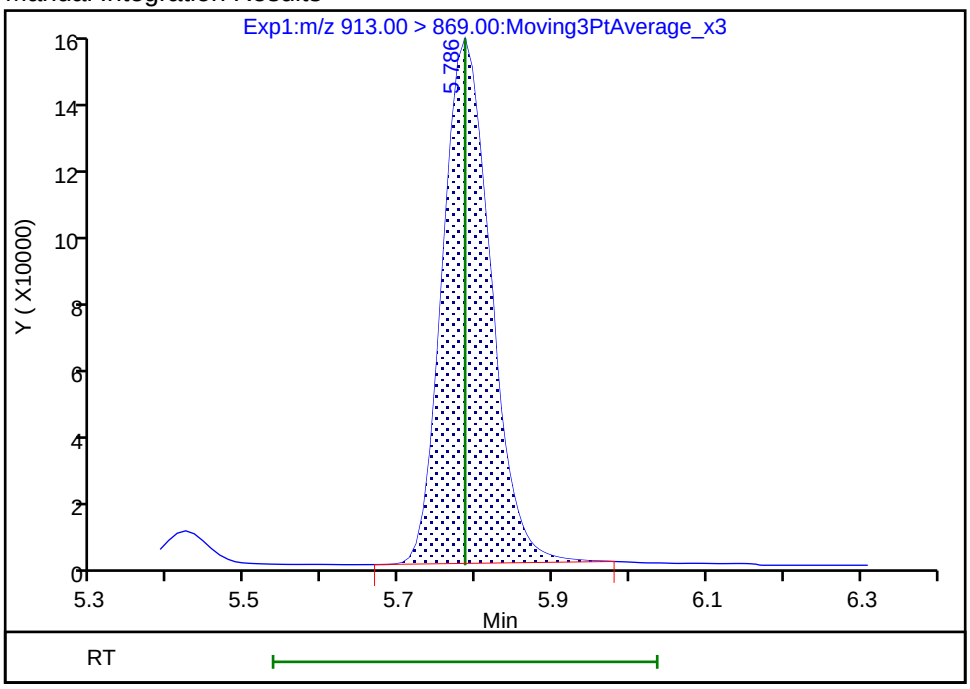
Processing Integration Results

RT: 5.79
Area: 688253
Amount: 1.003393
Amount Units: ng/ml



Manual Integration Results

RT: 5.79
Area: 678664
Amount: 0.989413
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:42:18

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Lab Sample ID: CCVLIS 200-182364/5 Calibration Date: 08/04/2022 11:09

Instrument ID: LC812 Calib Start Date: 08/03/2022 13:00

GC Column: C-18 ID: 4.60(mm) Calib End Date: 08/03/2022 13:41

Lab File ID: PA220804A05.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	0.9697	1.056		0.136	0.125	8.9	50.0
Perfluoropentanoic acid (PFPeA)	AveID	1.031	1.132		0.0549	0.0500	9.8	50.0
Perfluorobutanesulfonic acid (PFBS)	AveID	1.104	1.106		0.0443	0.0442	0.2	50.0
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	2.377	2.300		0.0452	0.0467	-3.2	50.0
Perfluorohexanoic acid (PFHxA)	AveID	1.043	1.082		0.0518	0.0500	3.7	50.0
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.297	1.308		0.0473	0.0469	0.9	50.0
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.075	1.185		0.110	0.100	10.3	50.0
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.103	1.240		0.0512	0.0455	12.4	50.0
Perfluoroheptanoic acid (PFHpA)	AveID	1.031	1.085		0.0526	0.0500	5.3	50.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	4.119	3.995		0.0457	0.0471	-3.0	50.0
6:2 FTS	L1ID		1.521		0.107	0.119	-9.8	50.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.236	1.215		0.0468	0.0476	-1.7	50.0
Perfluorooctanoic acid (PFOA)	AveID	1.121	1.101		0.0491	0.0500	-1.8	50.0
Perfluorooctanesulfonic acid (PFOS)	L1ID		1.213		0.0381	0.0464	-17.9	50.0
Perfluorononanoic acid (PFNA)	AveID	1.017	1.054		0.0518	0.0500	3.6	50.0
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	AveID	1.766	1.680		0.0443	0.0466	-4.9	50.0
Perfluorononanesulfonic acid (PFNS)	AveID	0.7830	0.7719		0.0473	0.0480	-1.4	50.0
Perfluorodecanoic acid (PFDA)	AveID	1.052	1.132		0.0538	0.0500	7.7	50.0
8:2 FTS	AveID	0.9657	0.999		0.0495	0.0479	3.4	50.0
Perfluorooctanesulfonamide (FOSA)	AveID	1.019	1.073		0.0526	0.0500	5.3	50.0
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.8881	0.8335		0.117	0.125	-6.2	50.0
Perfluorodecanesulfonic acid (PFDS)	AveID	0.5827	0.5511		0.0456	0.0482	-5.4	50.0
Perfluoroundecanoic acid (PFUnA)	AveID	1.059	1.110		0.0524	0.0500	4.7	50.0
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.9079	0.9409		0.130	0.125	3.6	50.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	AveID	2.299	2.315		0.0474	0.0471	0.7	50.0
Perfluorododecanoic acid (PFDoA)	AveID	1.014	1.020		0.0503	0.0500	0.6	50.0
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	AveID	0.4511	0.4473		0.0478	0.0482	-0.8	50.0
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.2587	0.2649		0.0496	0.0484	2.4	50.0

FORM VII 537 (modified)

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Lab Sample ID: CCVLIS 200-182364/5 Calibration Date: 08/04/2022 11:09

Instrument ID: LC812 Calib Start Date: 08/03/2022 13:00

GC Column: C-18 ID: 4.60(mm) Calib End Date: 08/03/2022 13:41

Lab File ID: PA220804A05.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorotridecanoic acid (PFTriA)	AveID	0.8791	0.8369		0.0476	0.0500	-4.8	50.0
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1602	0.1719		0.0537	0.0500	7.3	50.0
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		1.098		0.0406	0.0500	-18.7	50.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.6649	0.7385		0.0555	0.0500	11.1	50.0
13C4 PFBA	Ave	1.167	1.161		1.24	1.25	-0.5	
13C5 PFPeA	Ave	0.8976	0.8836		1.23	1.25	-1.6	
13C3 PFBS	Ave	1.039	1.051		1.18	1.16	1.2	
M2-4:2 FTS	Ave	0.0894	0.0962		1.26	1.17	7.6	
13C2 PFHxA	Ave	0.8962	0.9079		1.27	1.25	1.3	
13C3 HFPO-DA	Ave	0.1687	0.1608		1.19	1.25	-4.7	
18O2 PFHxS	Ave	0.7305	0.7261		1.18	1.18	-0.6	
13C4 PFHpA	Ave	0.9296	0.9042		1.22	1.25	-2.7	
M2-6:2 FTS	Ave	0.1223	0.1204		1.17	1.19	-1.6	
13C4 PFOA	Ave	0.9525	0.9590		1.26	1.25	0.7	
13C4 PFOS	Ave	0.5455	0.5443		1.19	1.20	-0.2	
13C5 PFNA	Ave	0.9889	0.996		1.26	1.25	0.8	
13C2 PFDA	Ave	0.9624	0.9160		1.19	1.25	-4.8	
M2-8:2 FTS	Ave	0.1471	0.1493		1.22	1.20	1.5	
13C8 FOSA	Ave	0.8423	0.8413		1.25	1.25	-0.1	
d3-NMeFOSAA	Ave	0.1290	0.1178		1.14	1.25	-8.7	
13C2 PFUnA	Ave	0.7292	0.7329		1.26	1.25	0.5	
d5-NEtFOSAA	Ave	0.1221	0.1070		1.10	1.25	-12.4	
13C2 PFDoA	Ave	0.7556	0.8065		1.33	1.25	6.7	
13C2 PFTeDA	Ave	0.6177	0.7030		1.42	1.25	13.8	
13C2 PFHxDA	Ave	0.7037	0.7265		1.29	1.25	3.2	

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A05.d
Lims ID: CCVLIS
Client ID:
Sample Type: CCVLIS
Inject. Date: 04-Aug-2022 11:09:18 ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: CCVLIS
Misc. Info.: 200-0051953-005 Plate: 1 Rack: 1
Operator ID: lc812tech Instrument ID: LC812
Sublist: chrom-PFC_LC812*sub3

Method: \\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 05-Aug-2022 11:53:13 Calib Date: 03-Aug-2022 13:41:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1640

First Level Reviewer: Z1IP Date: 04-Aug-2022 12:19:00
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.076	2.076	0.0	0.598	2012537	1.24		99.5	10720	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.085	0.0	1.004	212615	0.1362		109	30.1	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.400	0.0	0.691	1531662	1.23		98.4	3256	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.400	2.400	0.0	1.000	69361	0.0549		110	3.2	
D 47 13C3 PFBS										
301.90 > 80.00	2.413	2.413	0.0	0.695	1694946	1.18		101	260024	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.413	2.413	0.0	1.000	71280	0.0443	Target=2.23	100	88.6	
298.90 > 99.00	2.413	2.413	0.0	1.000	34515		2.07(1.11-3.34)		28.6	
D 60 M2-4:2 FTS										
329.00 > 81.00	2.713	2.713	0.0	0.781	155790	1.26		108	167	
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.713	2.713	0.0	1.000	14331	0.0452		96.8	231	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.750	2.750	0.0	1.000	68115	0.0518	Target=12.24	104	17.0	M
313.00 > 119.00	2.750	2.750	0.0	1.000	5272		12.92(6.12-18.36)		7.5	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.750	2.750	0.0	0.792	1573761	1.27		101	3674	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.750	2.750	0.0	0.884	61770	0.0473	Target=2.95	101	52.5	
349.00 > 99.00	2.750	2.750	0.0	0.884	19557		3.16(1.48-4.43)		38.5	M
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.859	2.859	0.0	0.823	278746	1.19		95.3	1686	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										
285.00 > 169.00	2.859	2.859	0.0	1.000	26427	0.1103		110	575	
D 11 18O2 PFHxS										
403.00 > 84.00	3.110	3.110	0.0	0.895	1190642	1.18		99.4	2899	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.110	3.110	0.0	1.000	56804	0.0512	Target=3.43	112	108	M
399.00 > 99.00	3.110	3.110	0.0	1.000	15711		3.62(1.72-5.15)		21.2	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.121	3.121	0.0	0.898	1567320	1.22		97.3	2367	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.121	3.121	0.0	1.000	68034	0.0526	Target=3.73	105	22.3	M
363.00 > 169.00	3.121	3.121	0.0	1.000	16695		4.08(1.86-5.59)		39.7	M
77 DONA										M
377.00 > 251.00	3.154	3.154	0.0	0.832	142024	0.0457	Target=2.84	97.0	333	
377.00 > 85.00	3.154	3.154	0.0	0.832	53492		2.66(1.42-4.26)		95.4	M
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.465	3.465	0.0	0.997	198186	1.17		98.4	378	M
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.465	3.465	0.0	1.000	30084	0.1069		90.2	109	
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.465	3.465	0.0	0.914	43641	0.0468	Target=4.89	98.3	161	
449.00 > 99.00	3.465	3.465	0.0	0.914	8885		4.91(2.44-7.33)		46.4	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.474	3.474	0.0	1.000	73232	0.0491	Target=2.67	98.2	9.8	
413.00 > 169.00	3.474	3.474	0.0	1.000	28444		2.57(1.34-4.01)		71.1	M
D 14 13C4 PFOA										
417.00 > 372.00	3.474	3.474	0.0	1.000	1662276	1.26		101	3149	
* 62 13C2 PFOA										
415.00 > 370.00	3.474	3.474	0.0		1733343	1.25			2556	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.792	3.792	0.0	1.000	42464	0.0381	Target=4.88	82.1	26.8	M
499.00 > 99.00	3.792	3.792	0.0	1.000	8025		5.29(2.44-7.32)		46.1	M
D 18 13C4 PFOS										
503.00 > 80.00	3.792	3.792	0.0	1.092	901934	1.19		99.8	3402	
20 Perfluorononanoic acid										M
463.00 > 419.00	3.812	3.812	0.0	1.000	72840	0.0518	Target=8.23	104	26.0	
463.00 > 169.00	3.812	3.812	0.0	1.000	9212		7.91(4.11-12.34)		82.5	M
D 19 13C5 PFNA										
468.00 > 423.00	3.812	3.812	0.0	1.097	1727276	1.26		101	3132	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.960	3.960	0.0	1.044	59077	0.0443		95.1	432	
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.093	4.093	0.0	1.079	27963	0.0473	Target=2.53	98.6	327	
549.00 > 99.00	4.081	4.093	-0.012	1.076	10555		2.65(1.26-3.79)		54.1	M
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.116	4.116	0.0	1.000	71915	0.0538	Target=9.67	108	49.3	
513.00 > 169.00	4.127	4.116	0.011	1.003	6407		11.22(4.83-14.50)		36.1	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 23 13C2 PFDA										
515.00 > 470.00	4.116	4.116	0.0	1.185	1587721	1.19		95.2	2868	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.127	4.127	0.0	1.000	9902	0.0495		103	188	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.127	4.127	0.0	1.188	247921	1.22		101	845	
D 21 13C8 FOSA										
506.00 > 78.00	4.161	4.161	0.0	1.198	1458263	1.25		99.9	2681	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.161	4.161	0.0	1.000	62588	0.0526		105	292	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.261	4.261	0.0	1.000	17013	0.1173		93.8	35.0	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.261	4.261	0.0	1.227	204126	1.14		91.3	1216	
29 Perfluorodecanesulfonic acid										
599.00 > 80.00	4.365	4.365	0.0	1.151	20047	0.0456	Target=2.80	94.6	253	
599.00 > 99.00	4.365	4.365	0.0	1.151	7887		2.54(1.40-4.20)		79.9	
D 30 13C2 PFUnA										
565.00 > 520.00	4.387	4.387	0.0	1.263	1270390	1.26		101	3695	
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.387	4.387	0.0	1.000	56382	0.0524	Target=9.07	105	55.4	
563.00 > 169.00	4.387	4.387	0.0	1.000	6767		8.33(4.54-13.61)		98.0	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.399	4.399	0.0	1.000	17445	0.1295		104	139	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.399	4.399	0.0	1.266	185405	1.10		87.6	851	
66 11-Chloroeicosafluoro-3-oxaundec										M
631.00 > 451.00	4.491	4.491	0.0	1.184	82302	0.0474		101	440	M
D 36 13C2 PFDoA										
615.00 > 570.00	4.633	4.633	0.0	1.334	1397886	1.33		107	2570	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.633	4.633	0.0	1.000	57038	0.0503	Target=6.97	101	10.1	
613.00 > 169.00	4.633	4.633	0.0	1.000	8576		6.65(3.48-10.45)		104	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.654	4.654	0.0	1.128	4464	0.0478		99.2	84.4	M
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.813	4.813	0.0	1.269	9677	0.0496	Target=0.52	102	138	
699.00 > 99.00	4.813	4.813	0.0	1.269	17886		0.54(0.26-0.79)		298	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.859	4.859	0.0	1.049	46798	0.0476	Target=4.56	95.2	9.2	
663.00 > 169.00	4.848	4.859	-0.011	1.046	10639		4.40(2.28-6.84)		103	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.052	5.052	0.0	1.454	1218496	1.42		114	4561	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.052	5.052	0.0	1.000	8379	0.0537	Target=0.94	107	184	M
713.00 > 219.00	5.052	5.052	0.0	1.000	8655		0.97(0.47-1.41)		125	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.422	5.422	0.0	1.000	55295	0.0406	Target=4.38	81.3	15.9	
813.00 > 169.00	5.422	5.422	0.0	1.000	13464		4.11(2.19-6.57)		202	
D 44 13C2 PFHxDA										
815.00 > 770.00	5.422	5.422	0.0	1.561	1259191	1.29		103	7121	
46 Perfluorooctadecanoic acid										
913.00 > 869.00	5.795	5.795	0.0	1.069	37199	0.0555	Target=4.31	111	12.9	
913.00 > 169.00	5.795	5.795	0.0	1.069	7477		4.98(2.16-6.47)		114	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

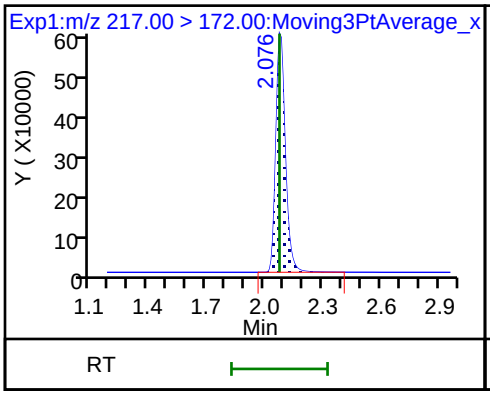
PFAS32NCLOQV_00022 Amount Added: 100.00 Units: uL

Report Date: 05-Aug-2022 11:53:14 Chrom Revision: 2.3 04-Aug-2022 18:02:28

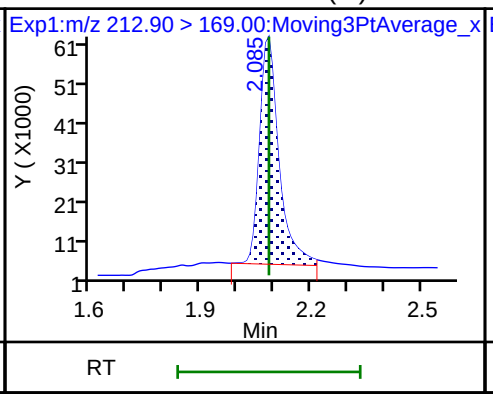
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A05.d
Injection Date: 04-Aug-2022 11:09:18 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

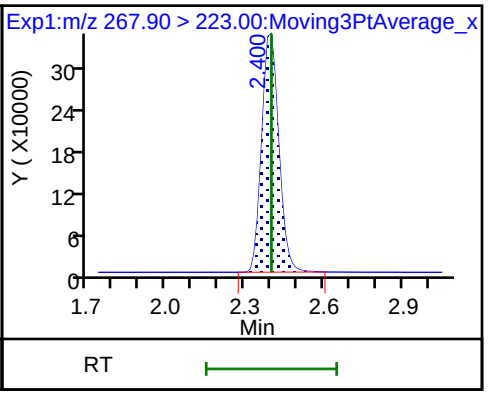
D 1 13C4 PFBA



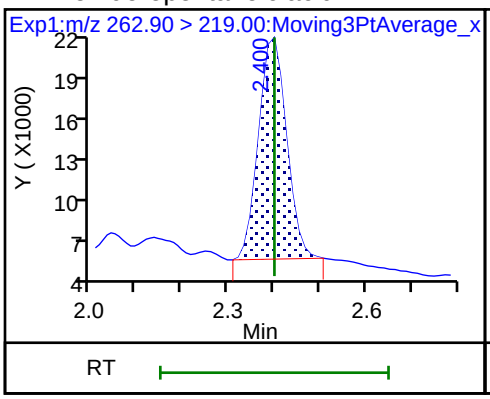
2 Perfluorobutanoic acid (M)



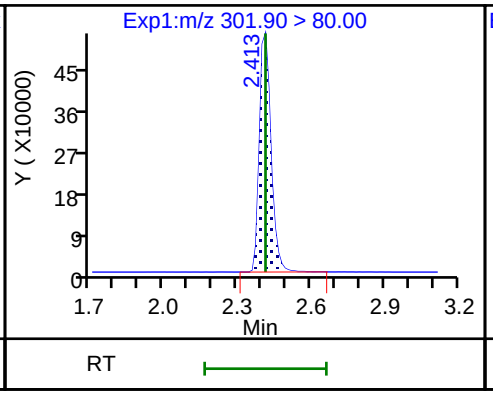
D 3 13C5 PFPeA



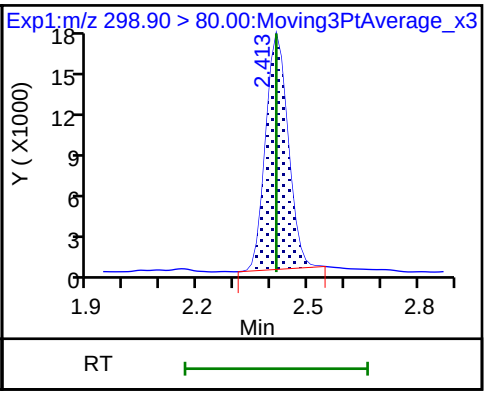
4 Perfluoropentanoic acid



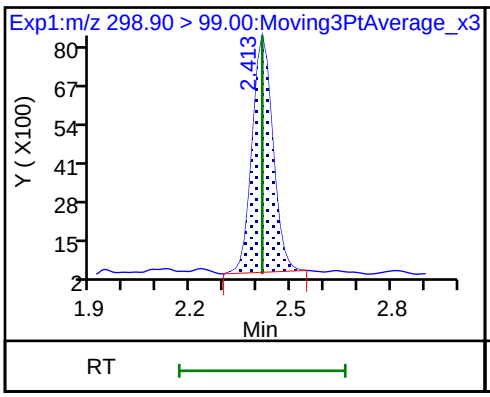
D 47 13C3 PFBS



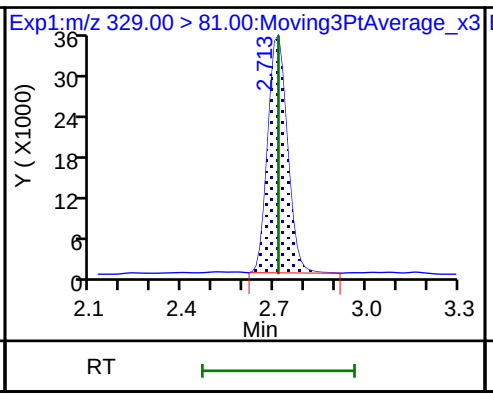
5 Perfluorobutanesulfonic acid



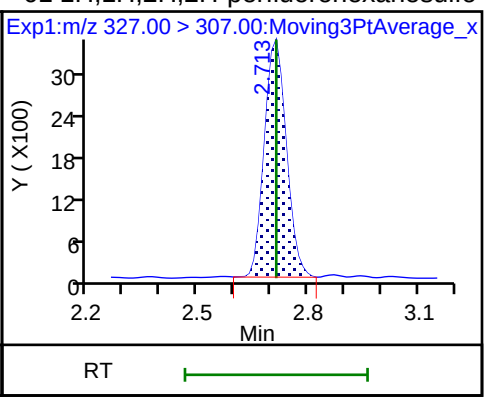
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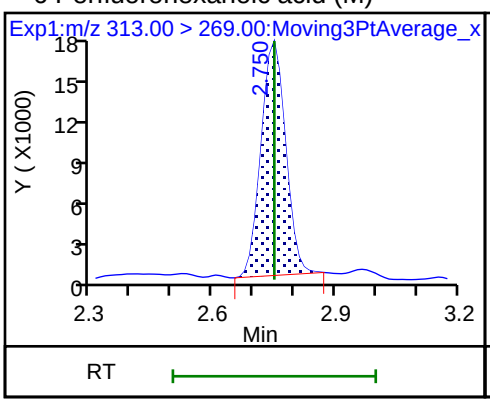
D 60 M2-4:2 FTS



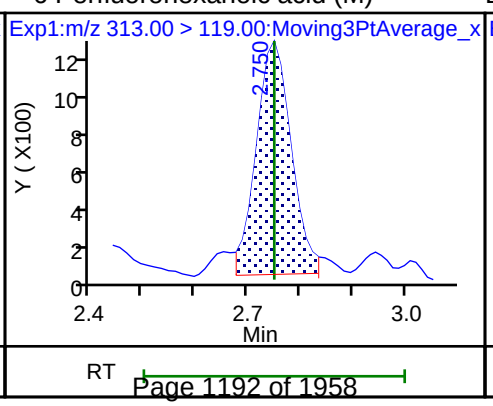
61 1H,1H,2H,2H-perfluorohexanesulfo



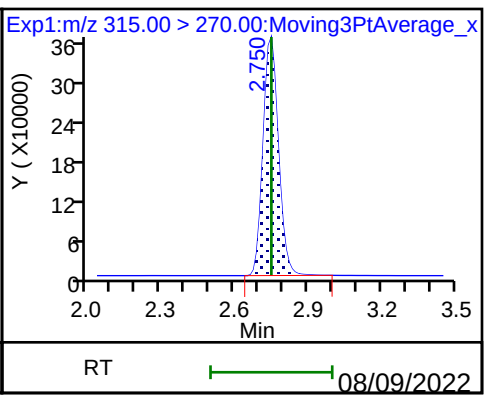
6 Perfluorohexanoic acid (M)



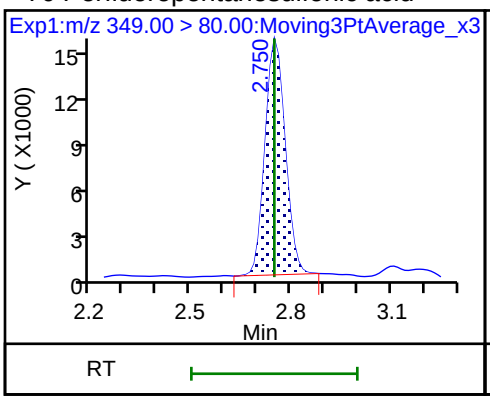
6 Perfluorohexanoic acid (M)



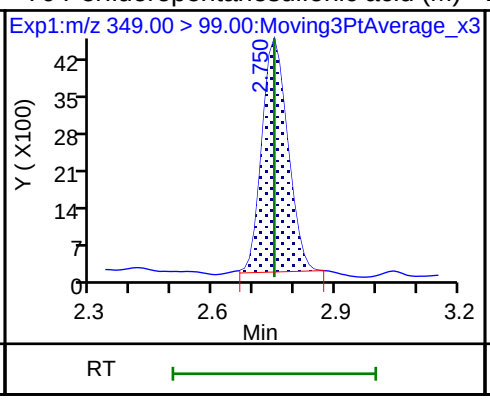
D 7 13C2 PFHxA



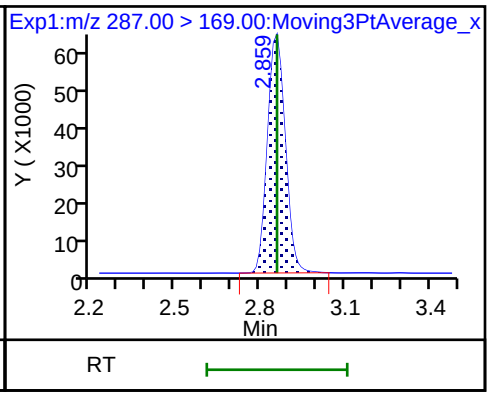
70 Perfluoropentanesulfonic acid



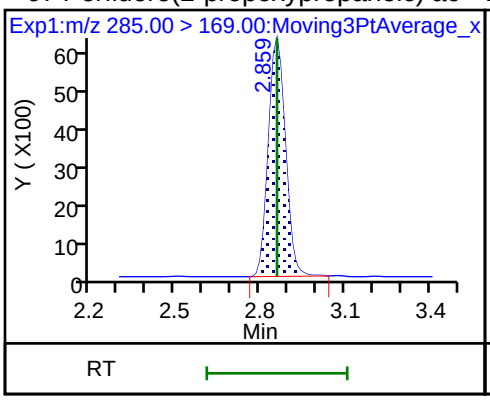
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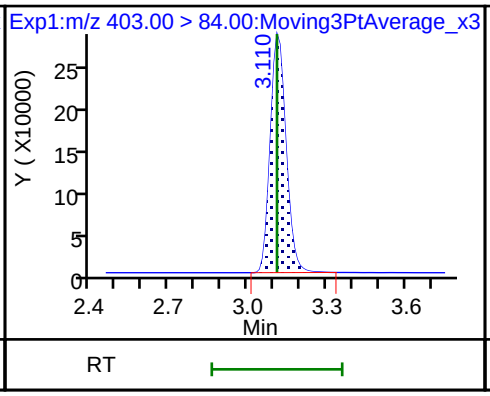
D 64 13C3 HFPO-DA



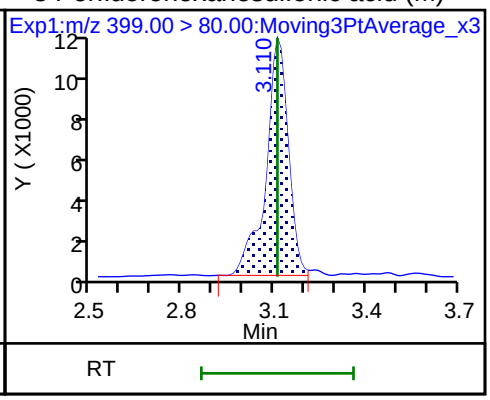
67 Perfluoro(2-propoxypropanoic) ac



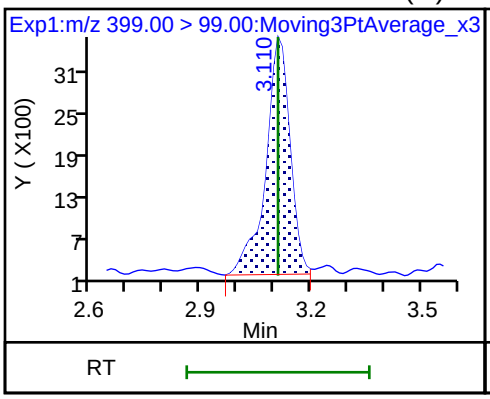
D 11 18O2 PFHxS



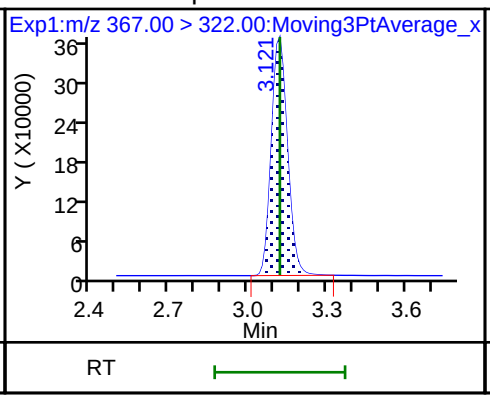
8 Perfluorohexanesulfonic acid (M)



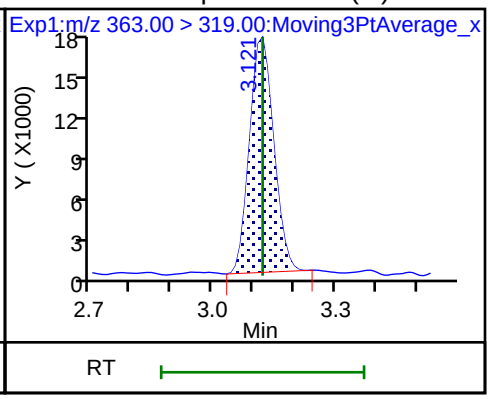
8 Perfluorohexanesulfonic acid (M)



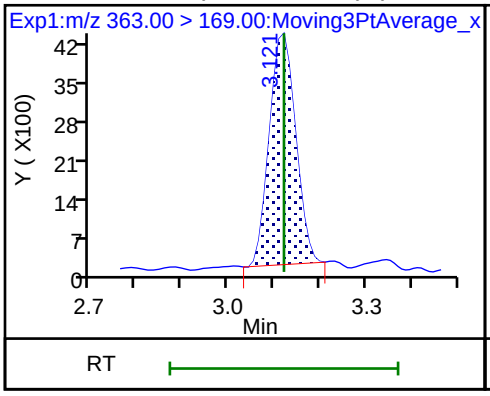
D 9 13C4 PFHpA



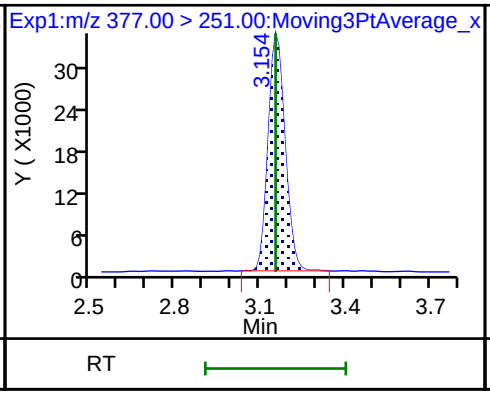
10 Perfluoroheptanoic acid (M)



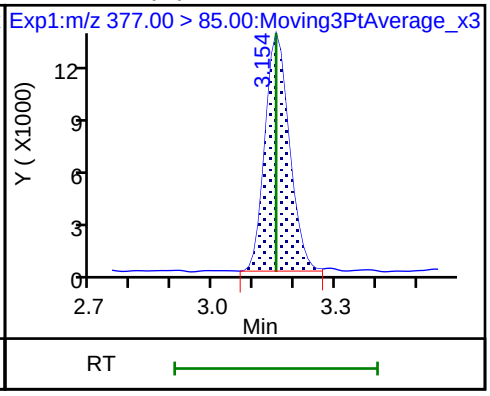
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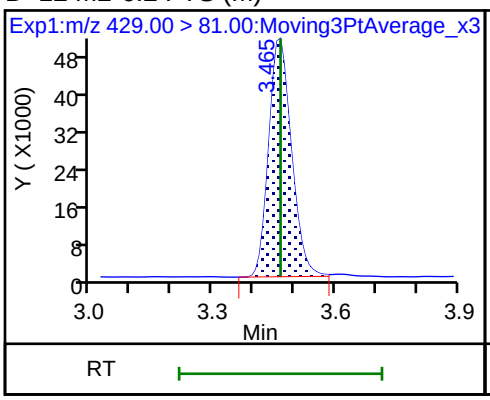
77 DONA



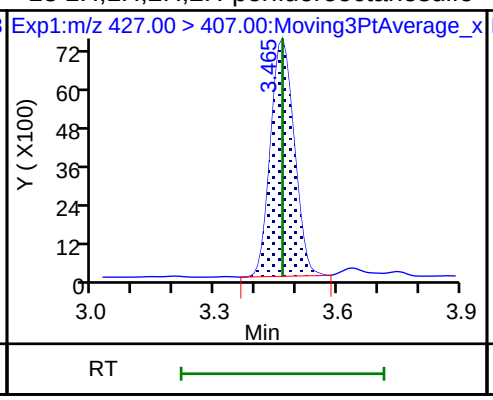
77 DONA (M)



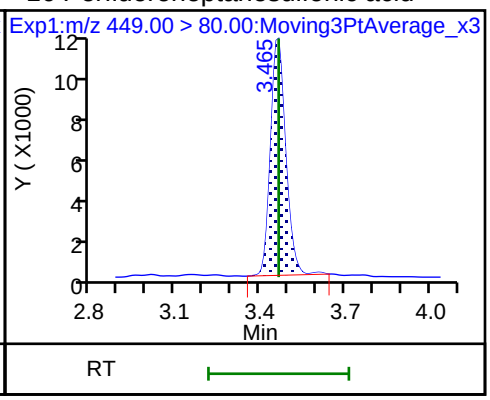
D 12 M2-6:2 FTS (M)



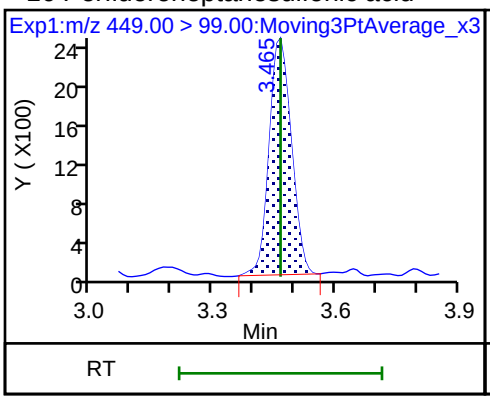
13 1H,1H,2H,2H-perfluorooctanesulfo



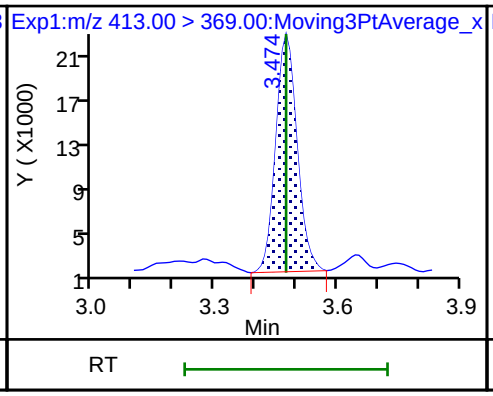
16 Perfluoroheptanesulfonic acid



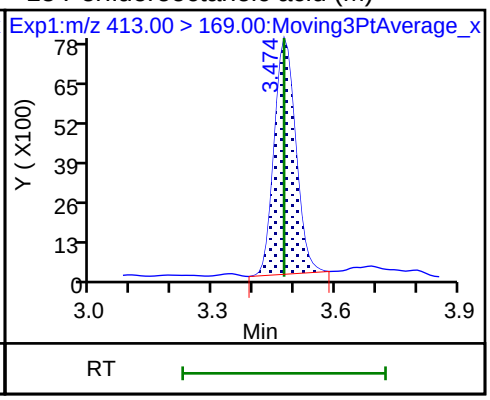
16 Perfluoroheptanesulfonic acid



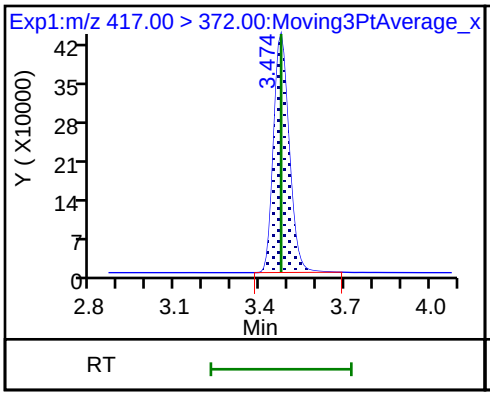
15 Perfluorooctanoic acid



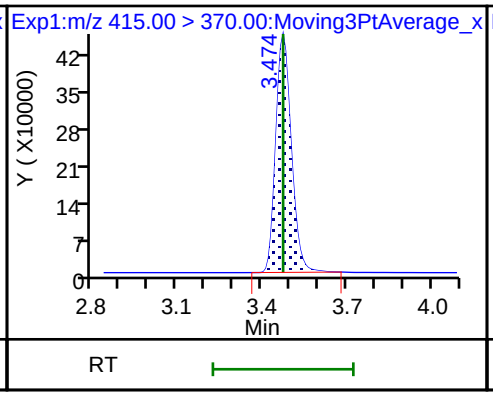
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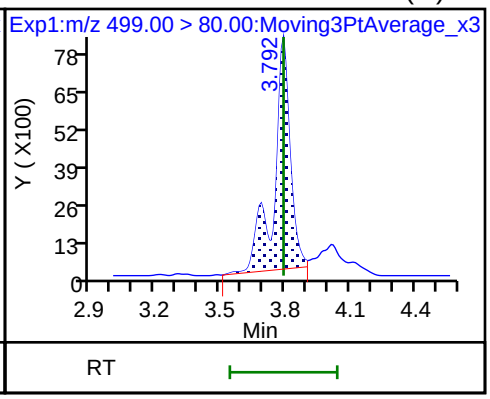
D 14 13C4 PFOA



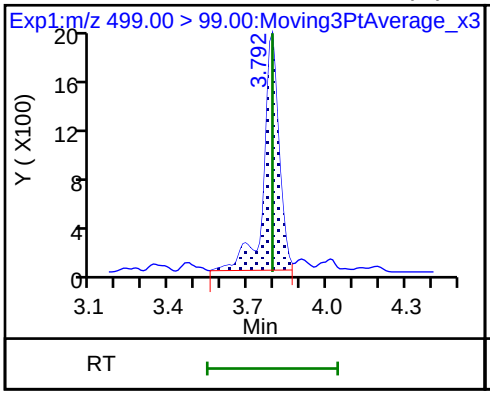
* 62 13C2 PFOA



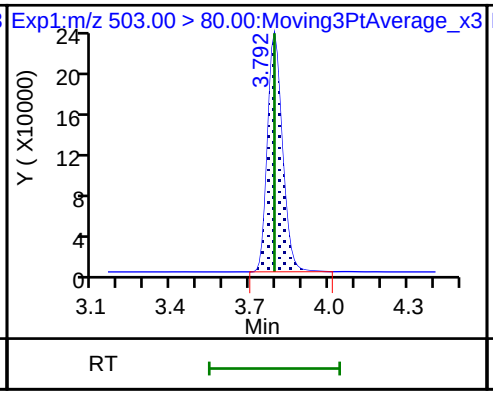
17 Perfluorooctanesulfonic acid (M)



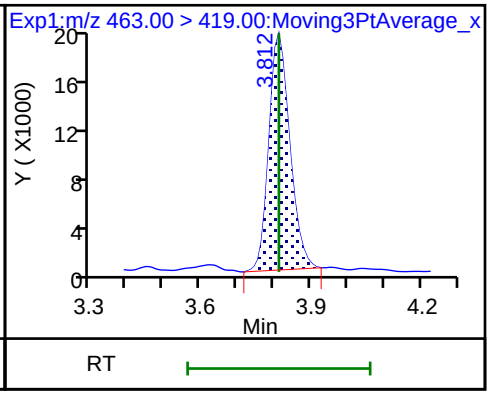
17 Perfluorooctanesulfonic acid (M)



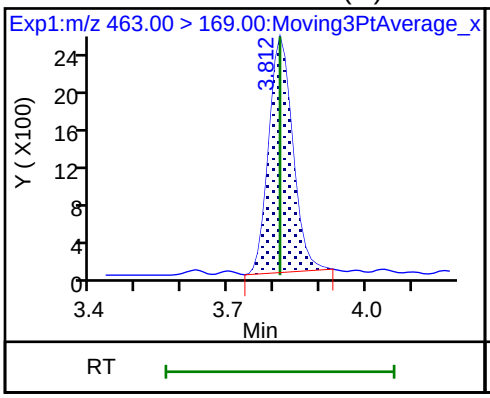
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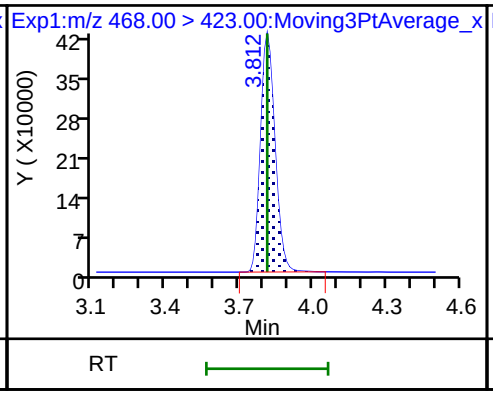
20 Perfluorononanoic acid



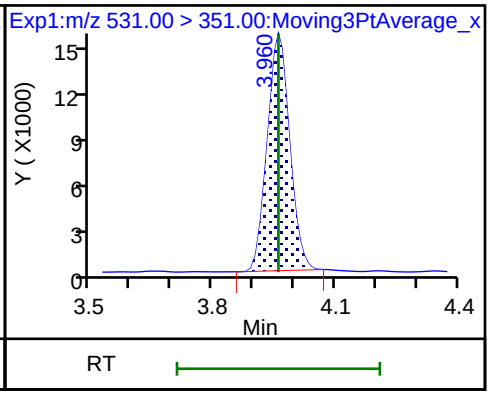
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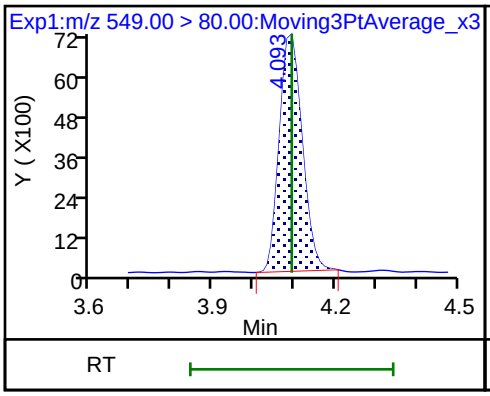
D 19 13C5 PFNA



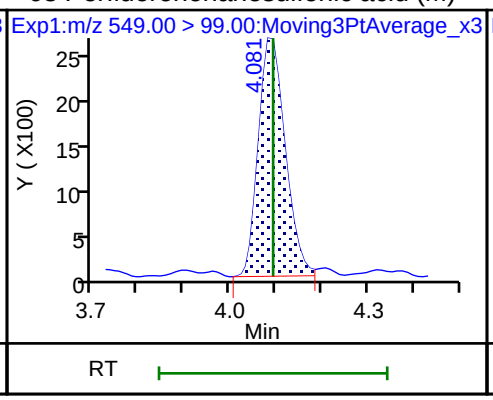
69 9-Chlorohexadecafluoro-3-oxanona



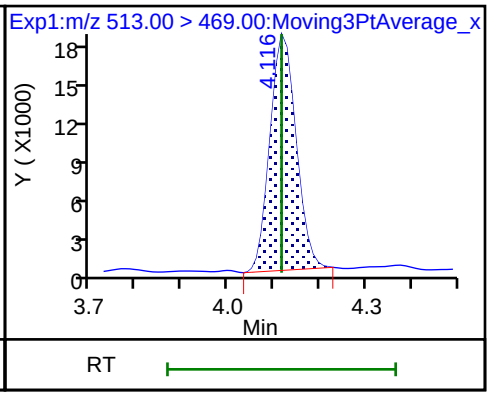
68 Perfluorononanesulfonic acid



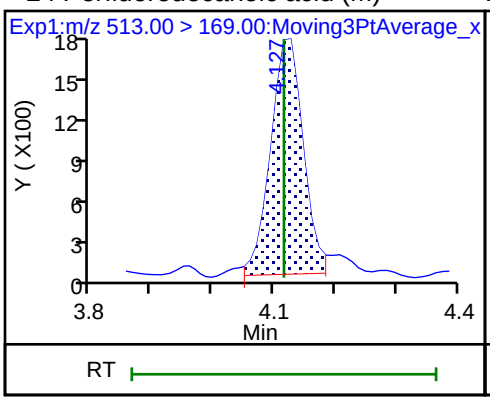
68 Perfluorononanesulfonic acid (M)



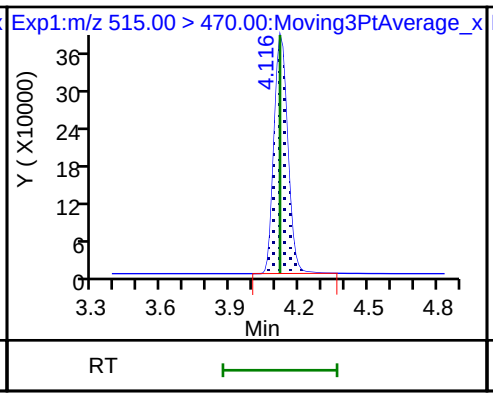
24 Perfluorodecanoic acid



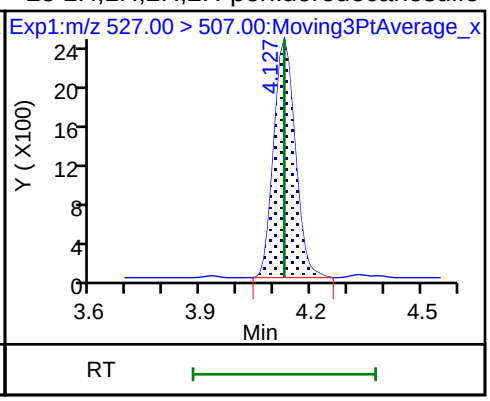
24 Perfluorodecanoic acid (M)



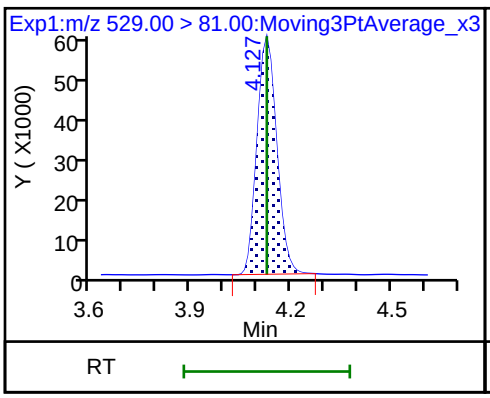
D 23 13C2 PFDA



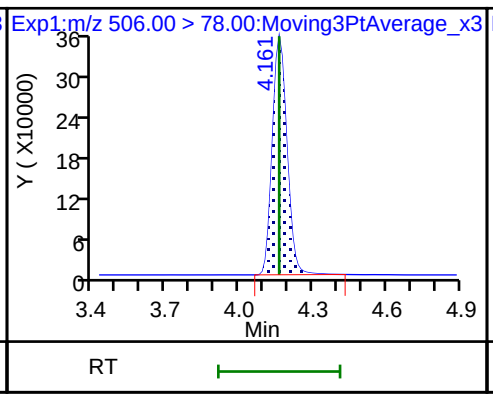
25 1H,1H,2H,2H-perfluorodecanesulfo



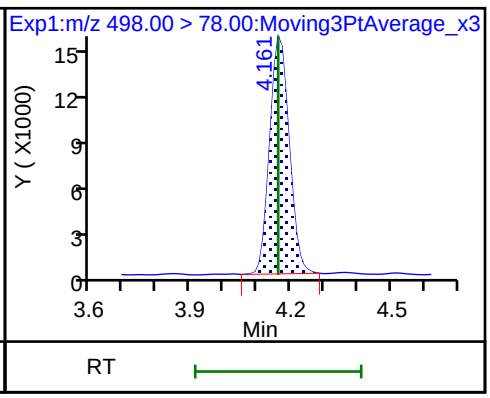
D 26 M2-8:2 FTS



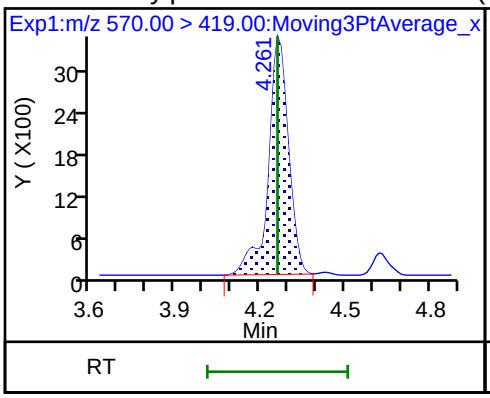
D 21 13C8 FOSA



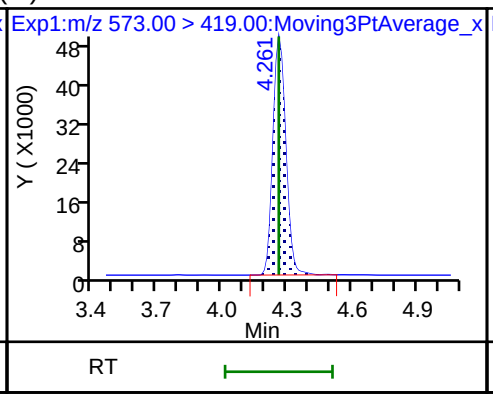
22 Perfluorooctanesulfonamide



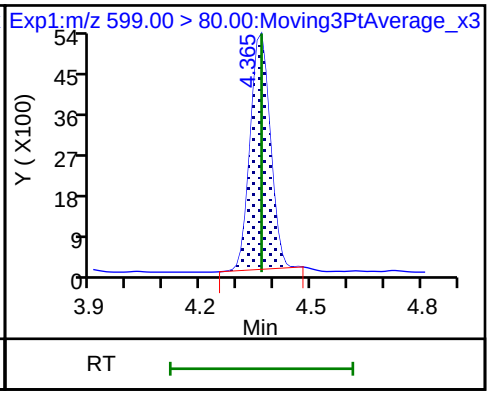
28 N-methylperfluorooctanesulfonami (M)



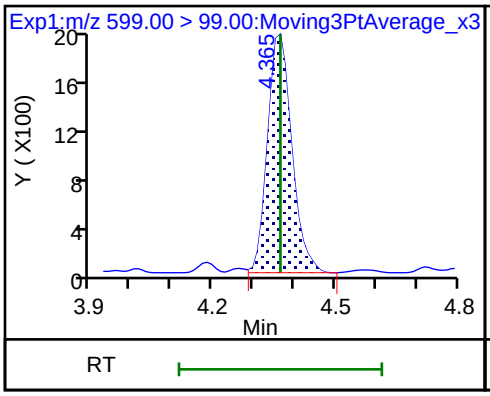
D 27 d3-NMeFOSAA



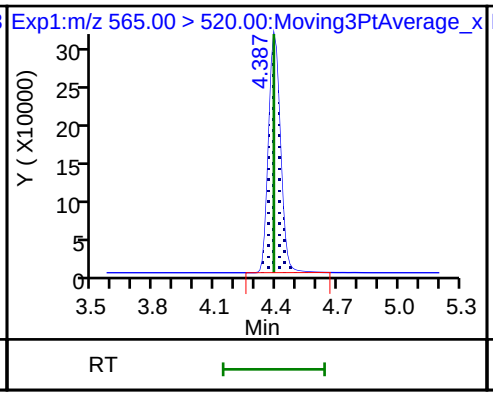
29 Perfluorodecanesulfonic acid



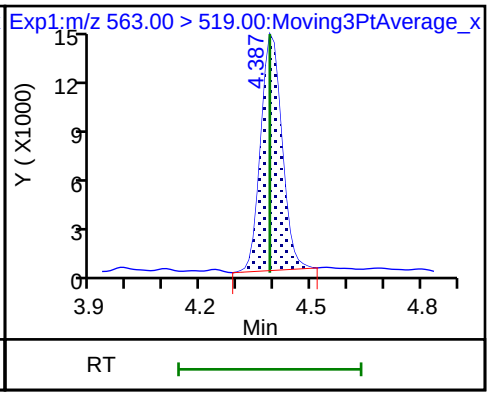
29 Perfluorodecanesulfonic acid



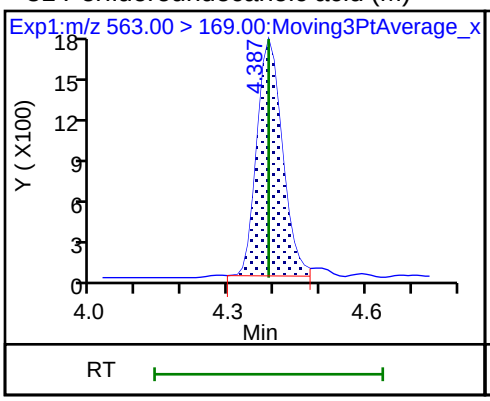
D 30 13C2 PFUnA



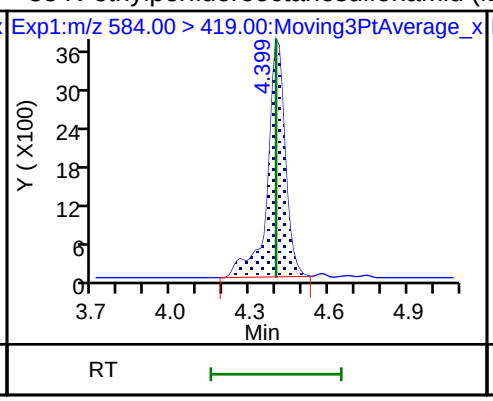
31 Perfluoroundecanoic acid



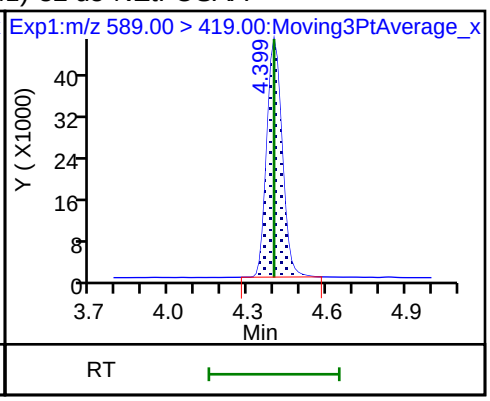
31 Perfluoroundecanoic acid (M)



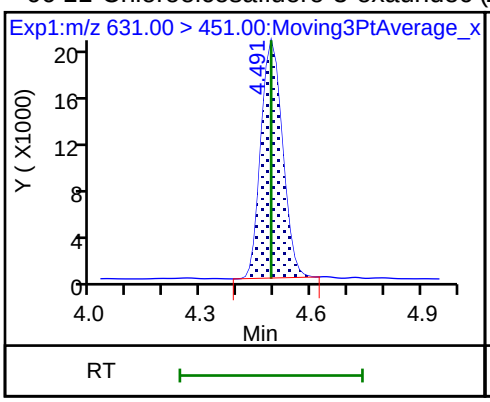
33 N-ethylperfluorooctanesulfonamid (M)



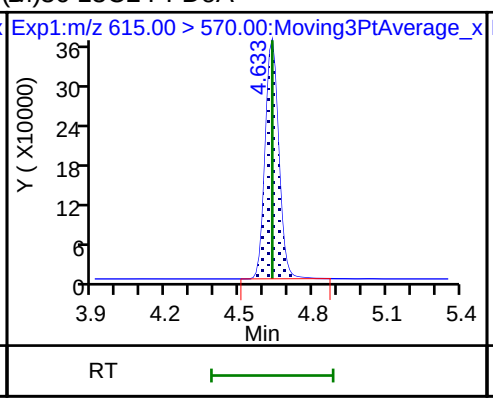
D 32 d5-NEtFOSAA



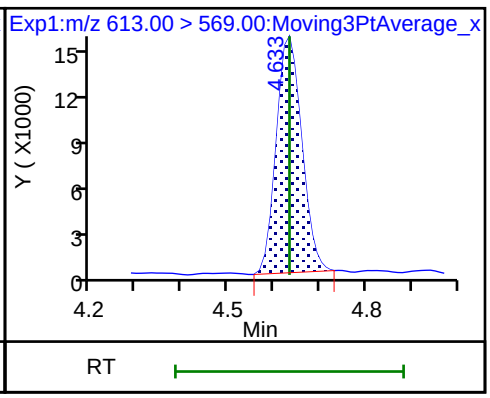
66 11-Chloroeicosafluoro-3-oxaundec (M)



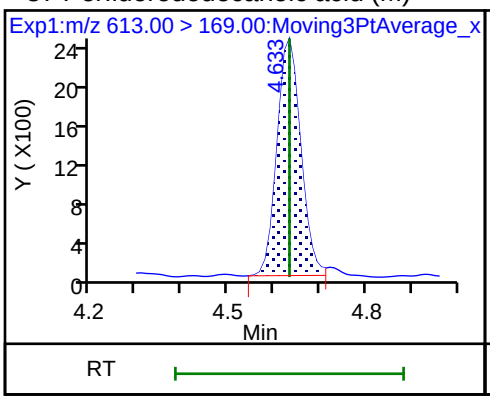
D 36 13C2 PFDoA



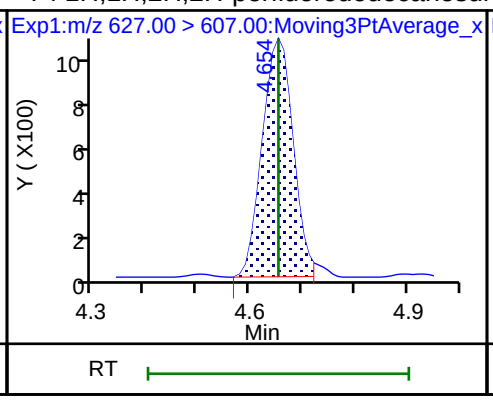
37 Perfluorododecanoic acid



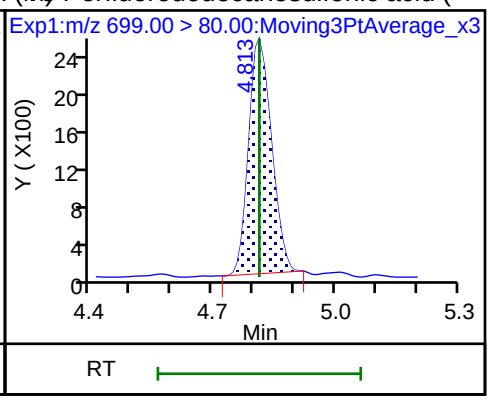
37 Perfluorododecanoic acid (M)



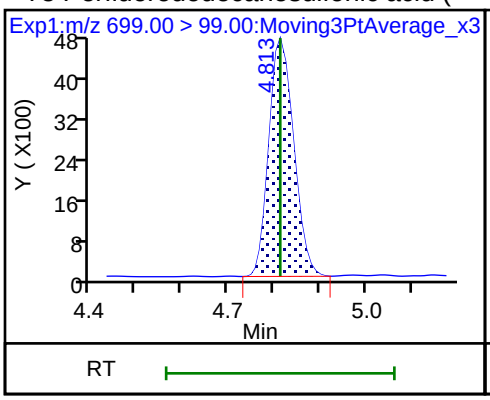
74 1H,1H,2H,2H-perfluorododecanesul (M)



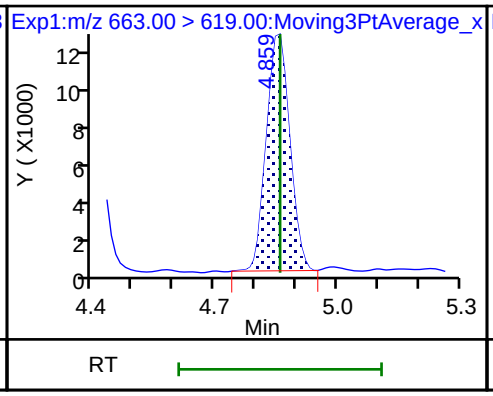
75 Perfluorododecanesulfonic acid (



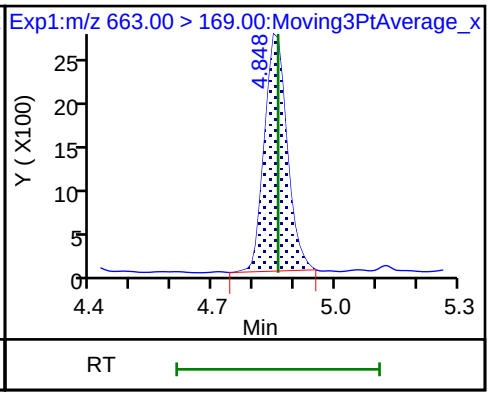
75 Perfluorododecanesulfonic acid (



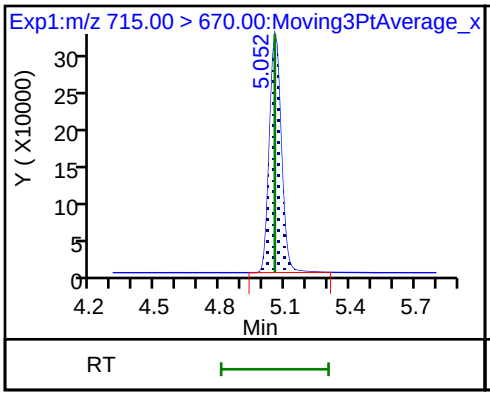
41 Perfluorotridecanoic acid



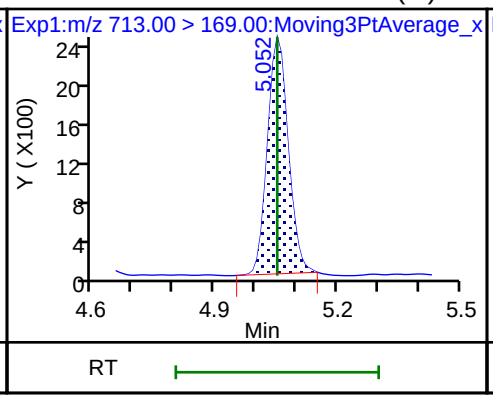
41 Perfluorotridecanoic acid



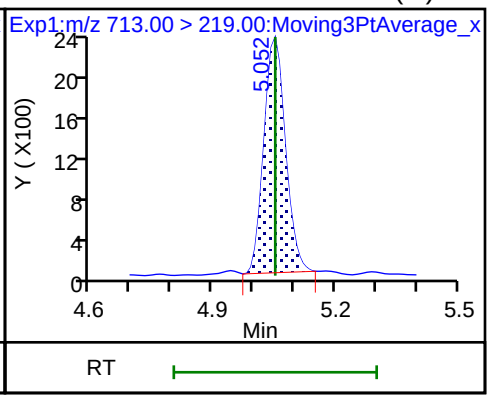
D 43 13C2 PFTeDA



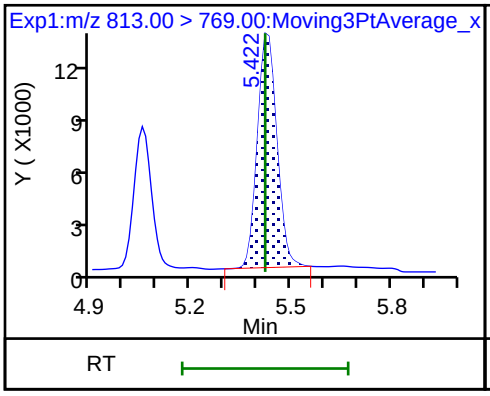
42 Perfluorotetradecanoic acid (M)



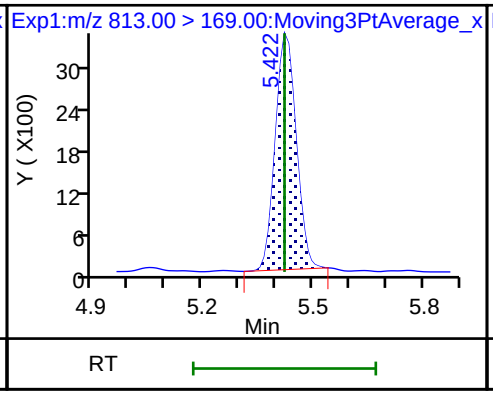
42 Perfluorotetradecanoic acid (M)



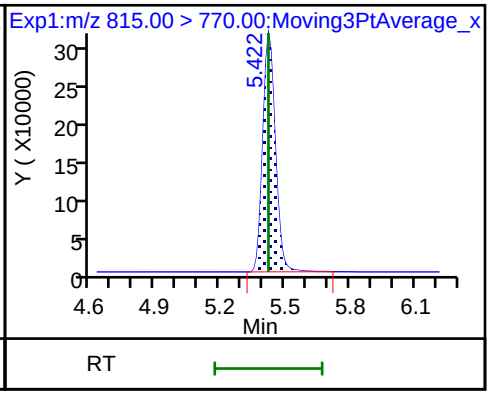
45 Perfluorohexadecanoic acid



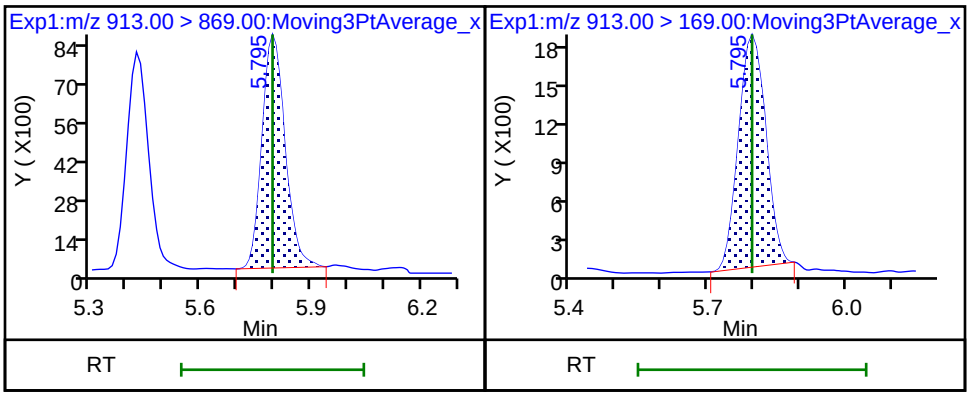
45 Perfluorohexadecanoic acid



D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid



46 Perfluorooctadecanoic acid

Manual Integration/User Assign Peak Report

Eurofins Burlington

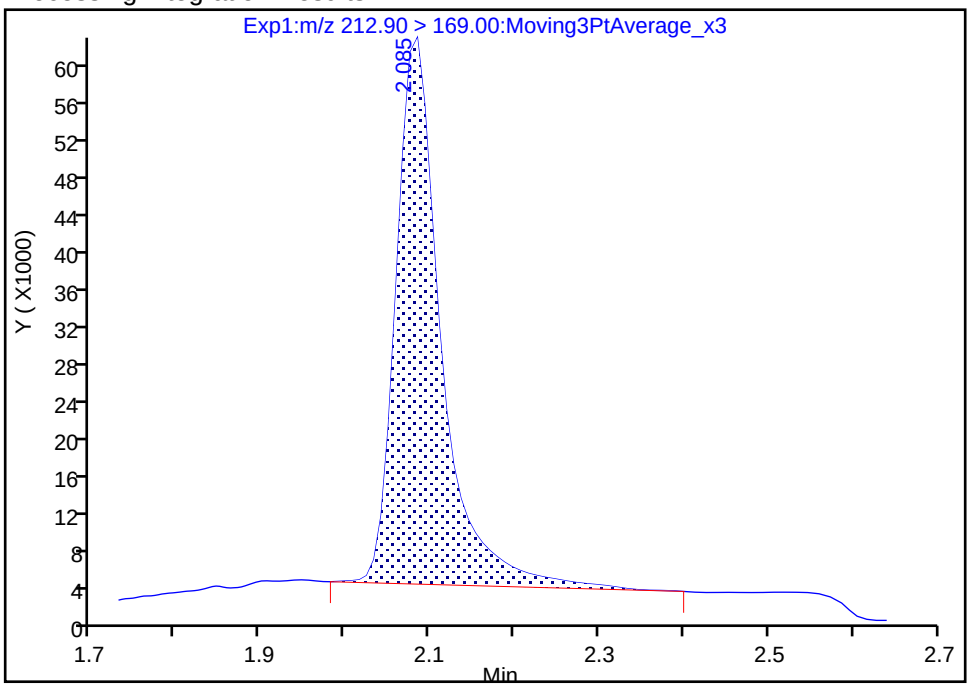
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Injection Date: 04-Aug-2022 11:09:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

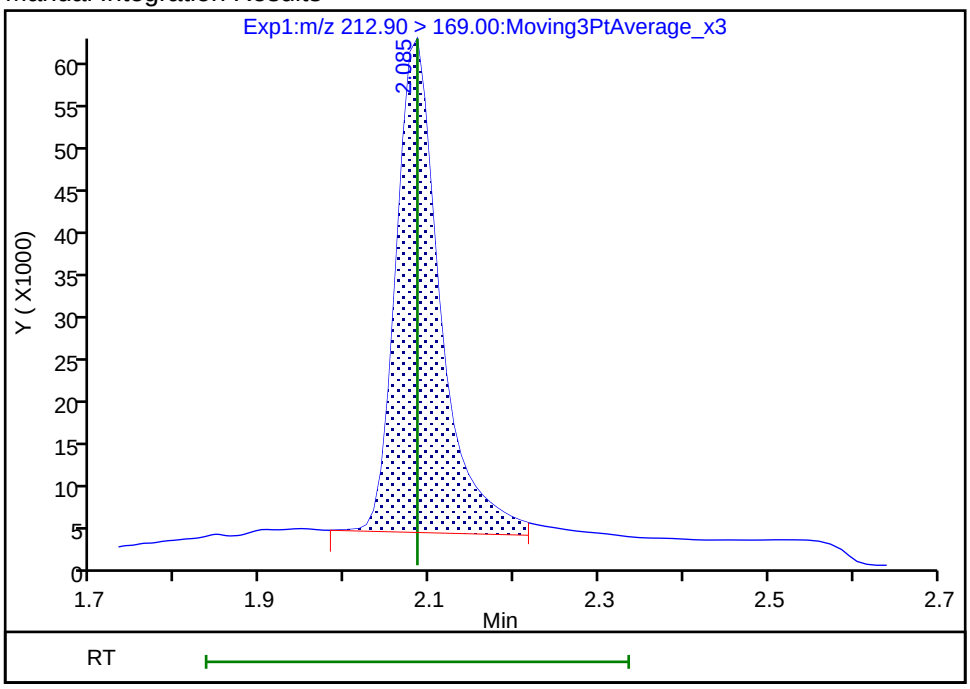
Processing Integration Results

RT: 2.08
Area: 217712
Amount: 0.139449
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 212615
Amount: 0.136184
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:35:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

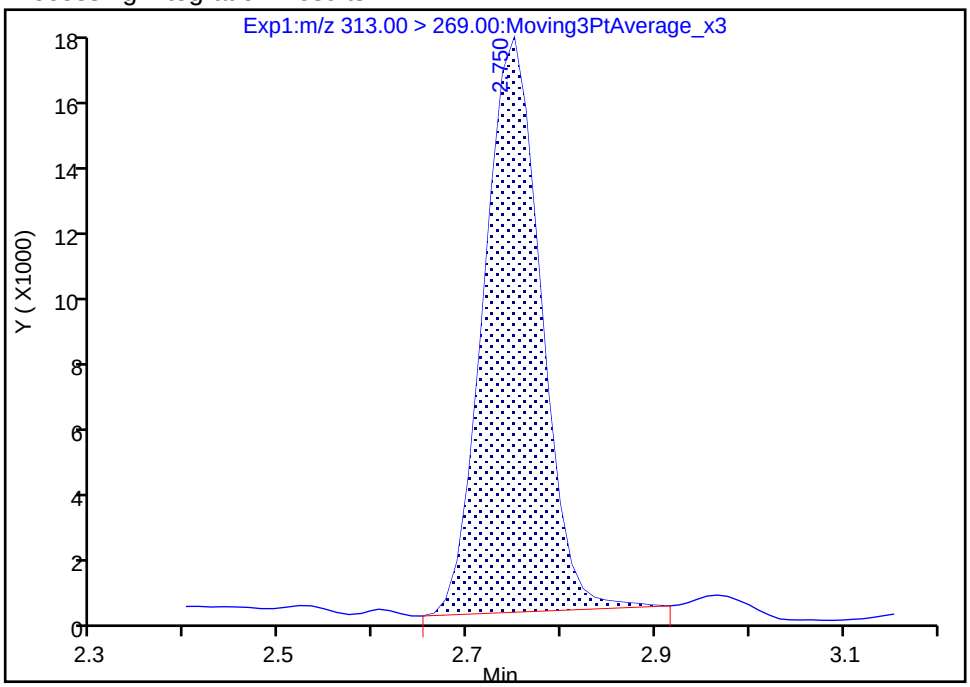
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Injection Date: 04-Aug-2022 11:09:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

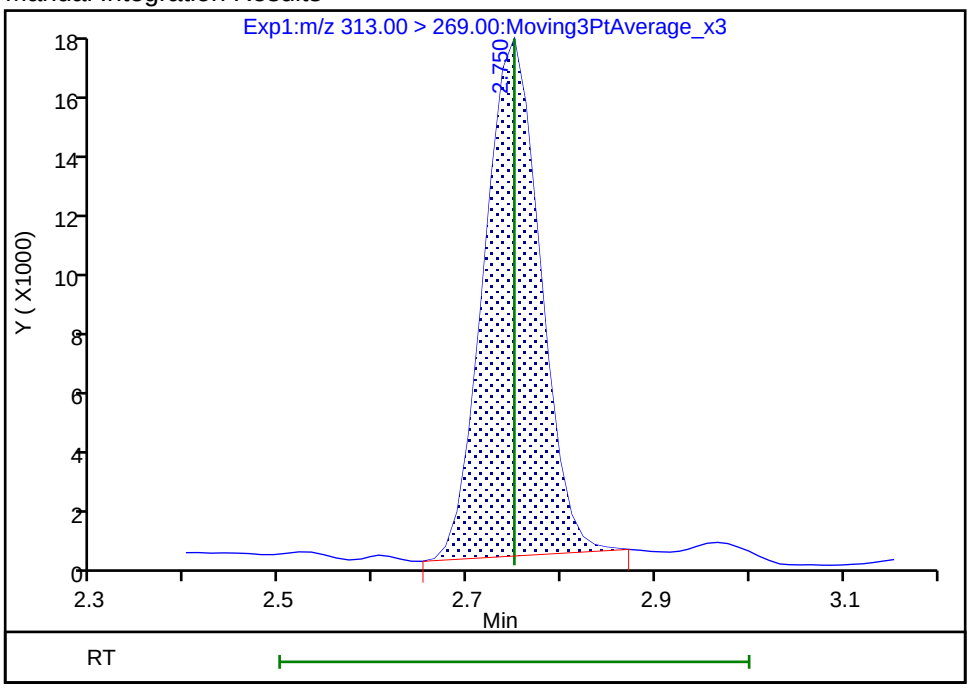
Processing Integration Results

RT: 2.75
Area: 69159
Amount: 0.052643
Amount Units: ng/ml



Manual Integration Results

RT: 2.75
Area: 68115
Amount: 0.051849
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:36:05
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

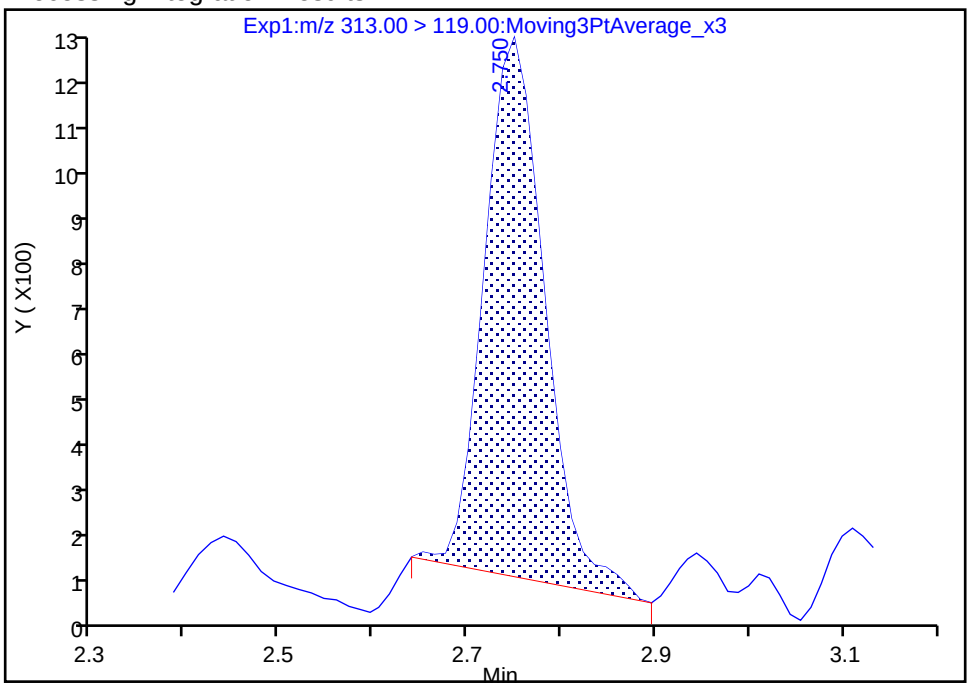
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Injection Date: 04-Aug-2022 11:09:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

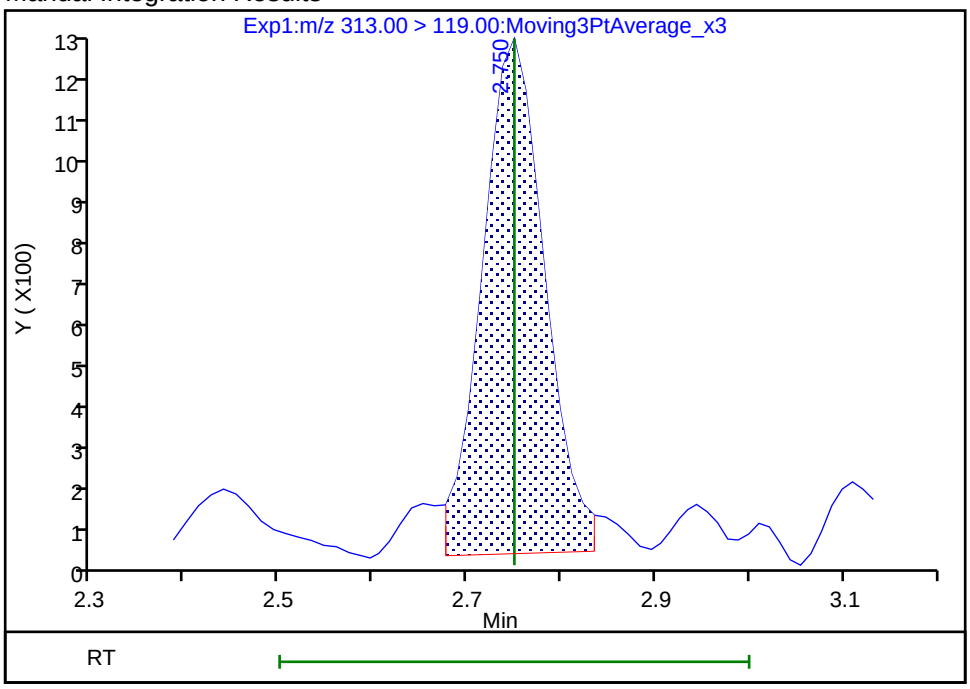
Processing Integration Results

RT: 2.75
Area: 4847
Amount: 0.052643
Amount Units: ng/ml



Manual Integration Results

RT: 2.75
Area: 5272
Amount: 0.051849
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:36:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

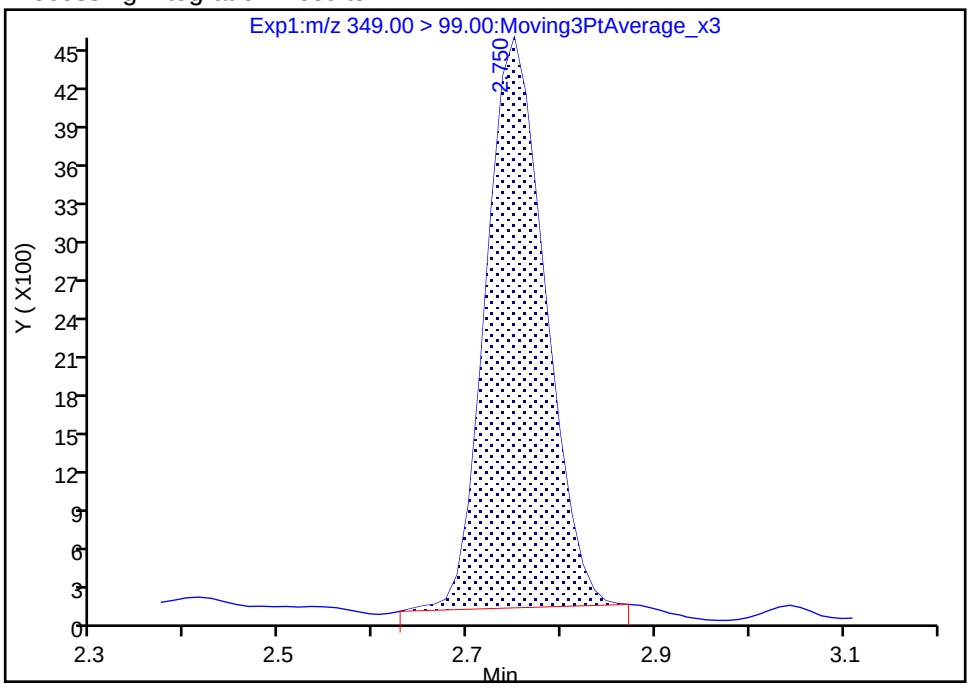
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A05.d
Injection Date: 04-Aug-2022 11:09:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 2

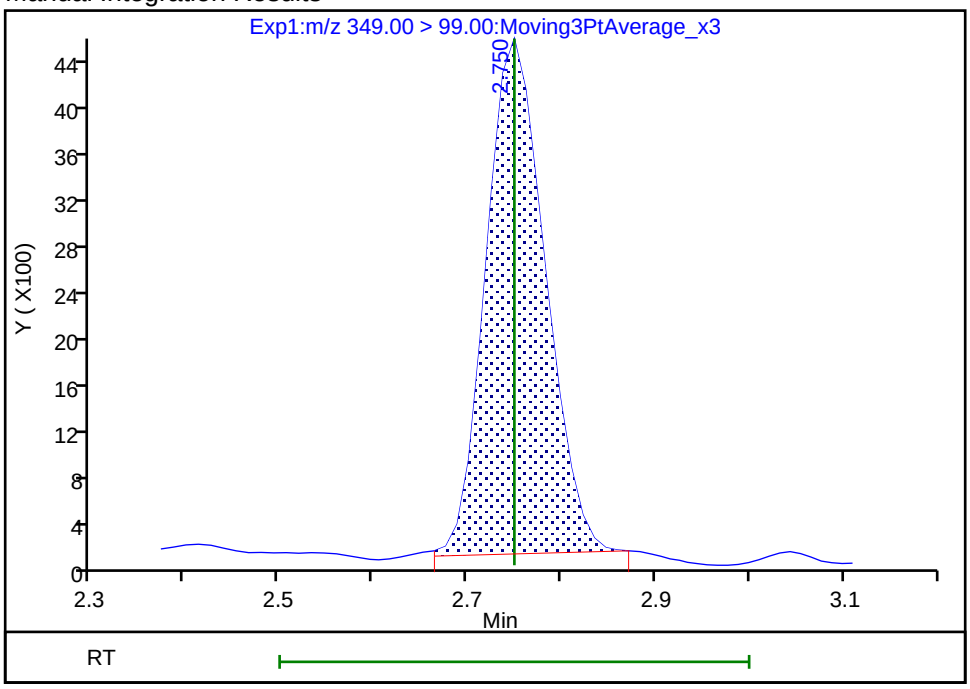
Processing Integration Results

RT: 2.75
Area: 19613
Amount: 0.047314
Amount Units: ng/ml



Manual Integration Results

RT: 2.75
Area: 19557
Amount: 0.047314
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:36:22
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

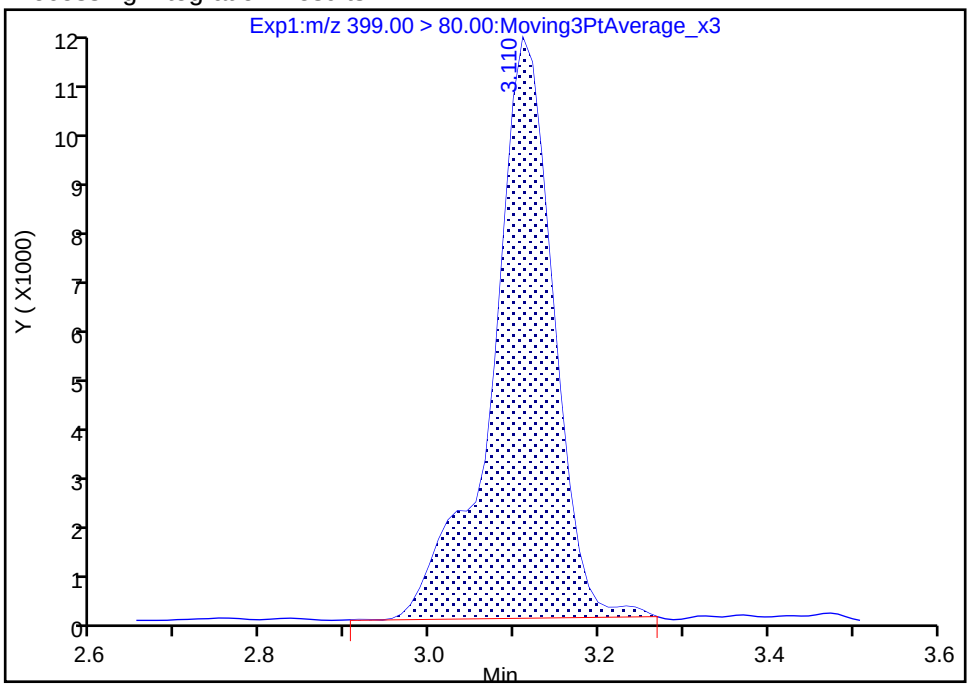
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A05.d
Injection Date: 04-Aug-2022 11:09:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

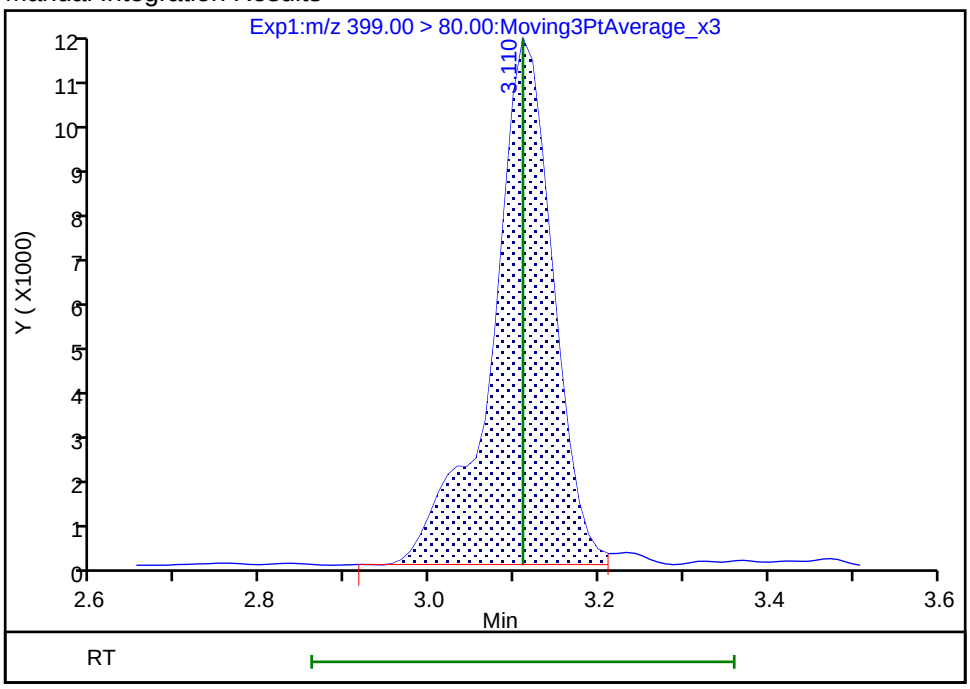
Processing Integration Results

RT: 3.11
Area: 57055
Amount: 0.051376
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 56804
Amount: 0.051150
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:36:44
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

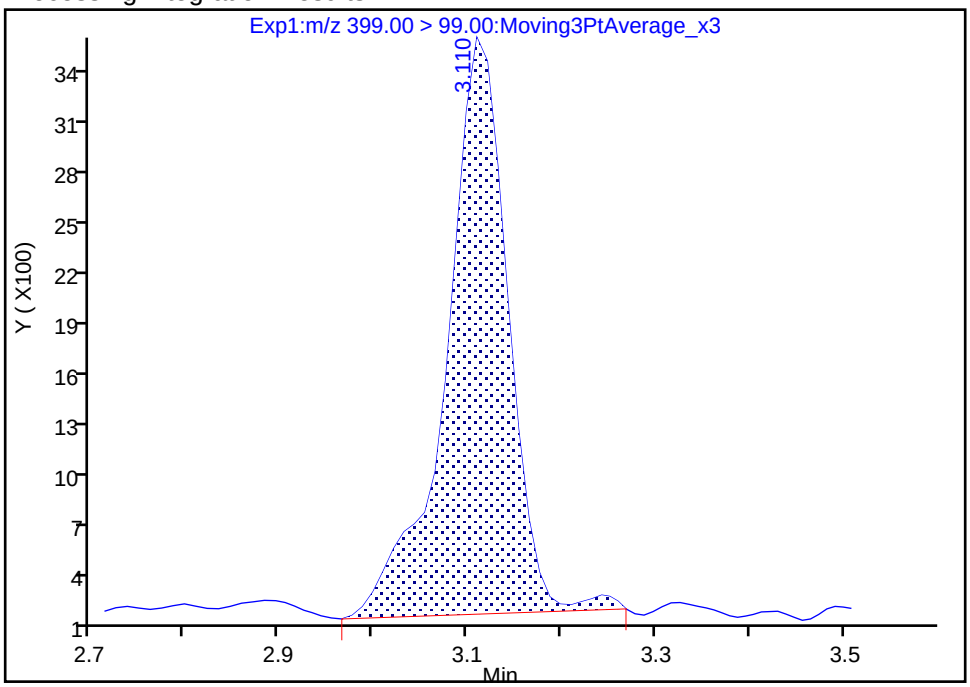
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A05.d
Injection Date: 04-Aug-2022 11:09:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

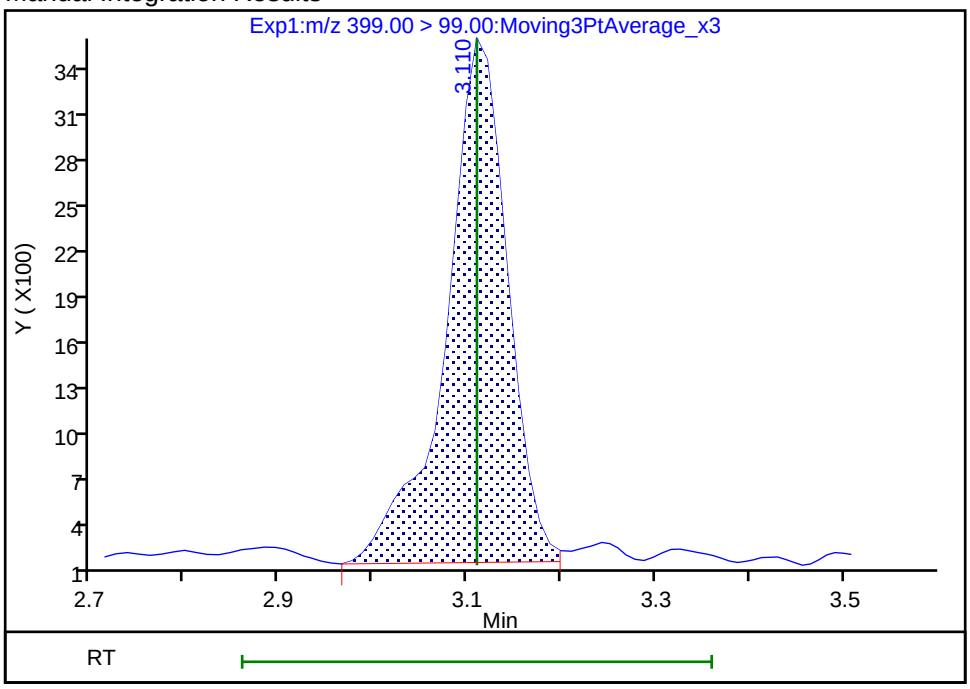
Processing Integration Results

RT: 3.11
Area: 15731
Amount: 0.051376
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 15711
Amount: 0.051150
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:36:47
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

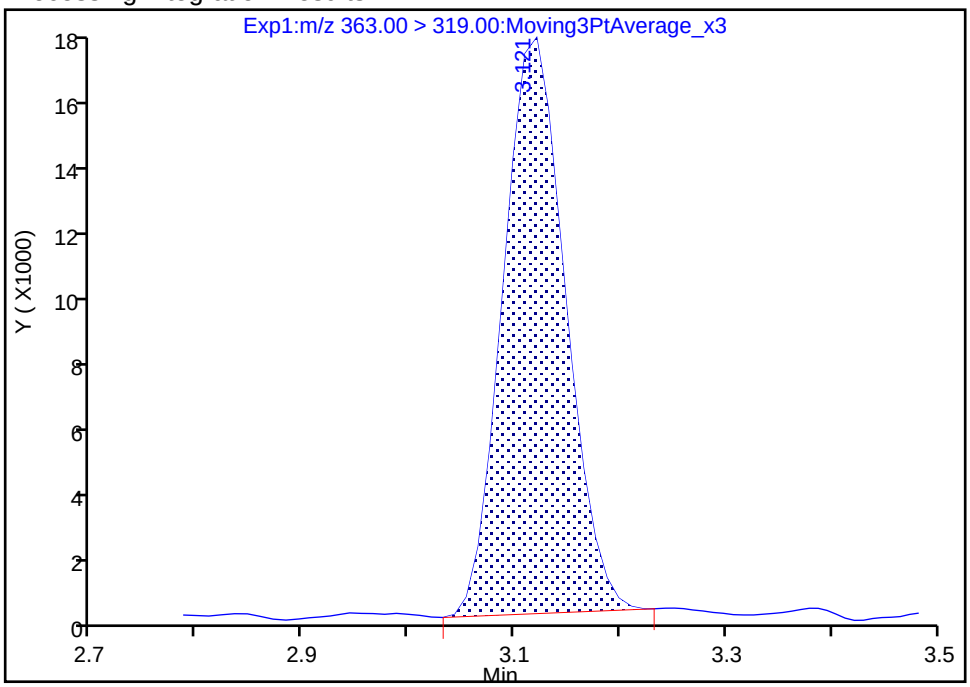
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A05.d
Injection Date: 04-Aug-2022 11:09:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

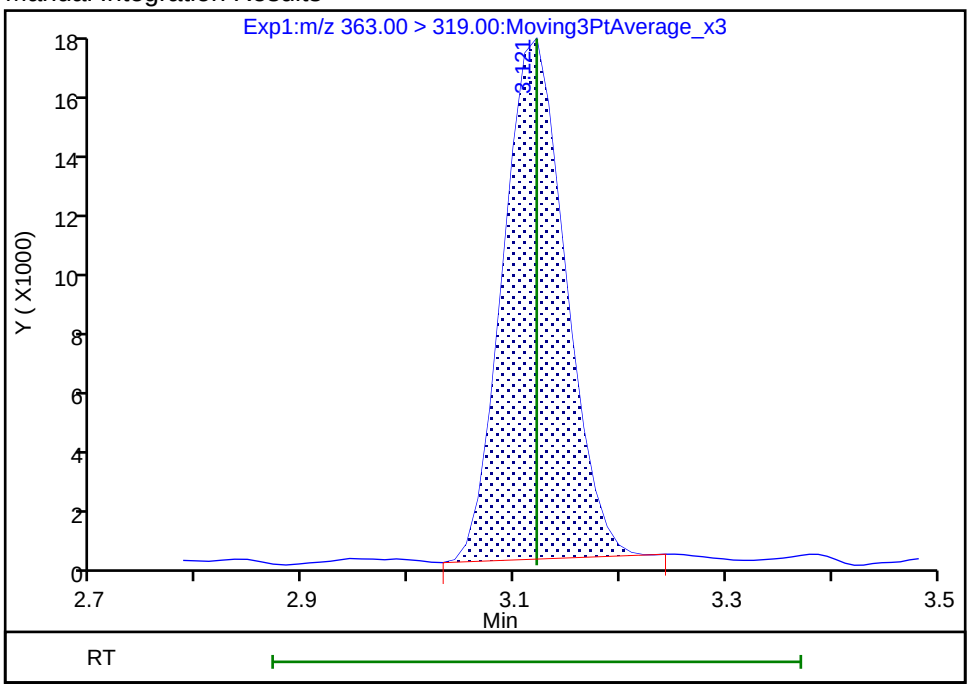
Processing Integration Results

RT: 3.12
Area: 68055
Amount: 0.052665
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 68034
Amount: 0.052649
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:36:59
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

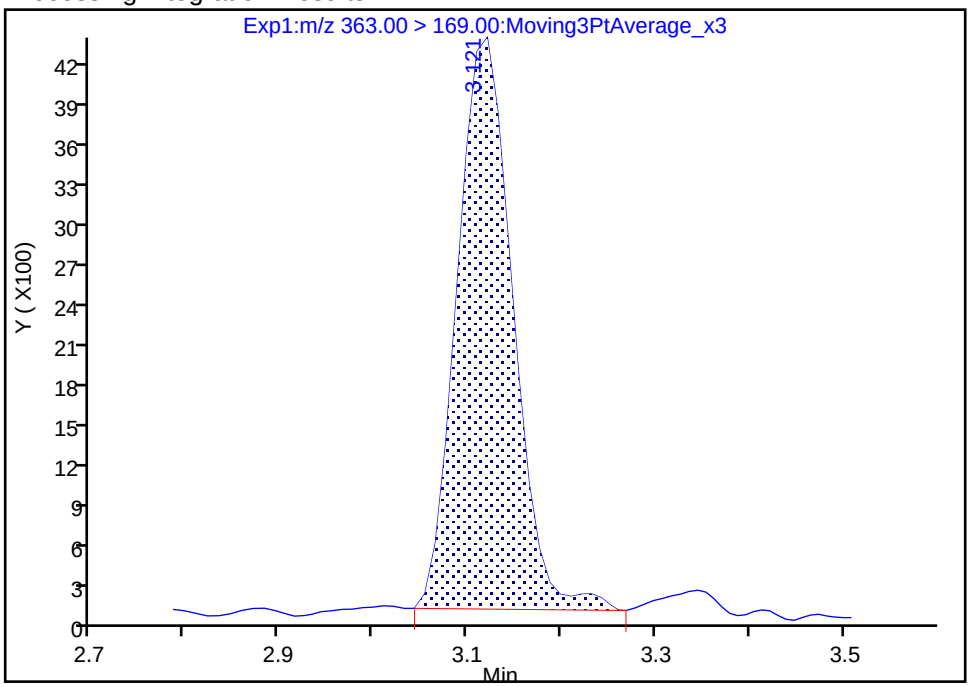
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A05.d
Injection Date: 04-Aug-2022 11:09:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

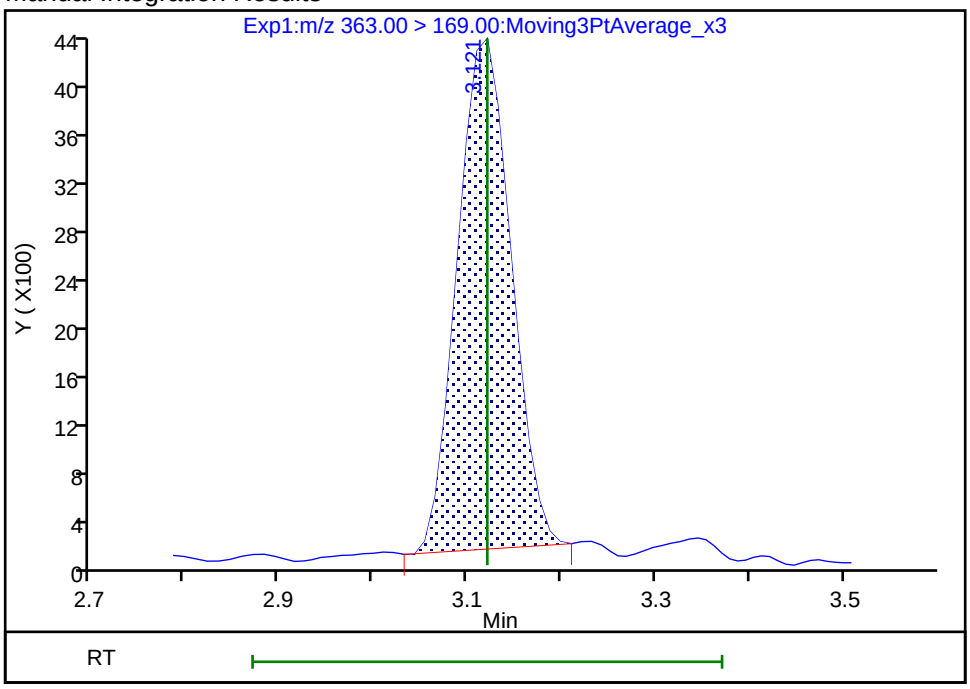
Processing Integration Results

RT: 3.12
Area: 17487
Amount: 0.052665
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 16695
Amount: 0.052649
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:37:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

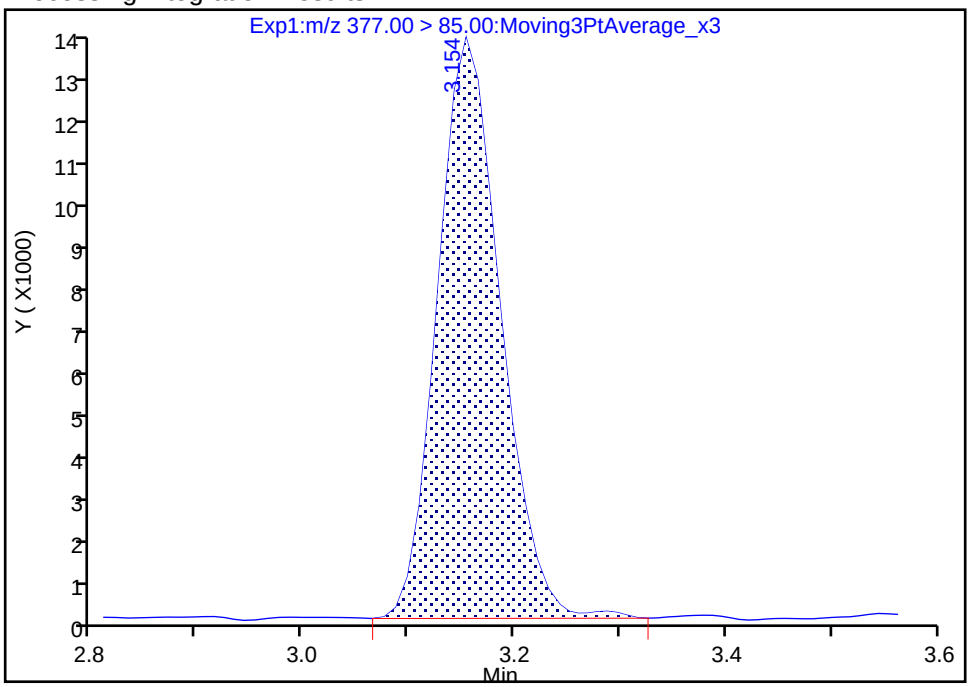
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A05.d				
Injection Date:	04-Aug-2022 11:09:18	Instrument ID:	LC812		
Lims ID:	CCVLIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

77 DONA, CAS: 919005-14-4

Signal: 2

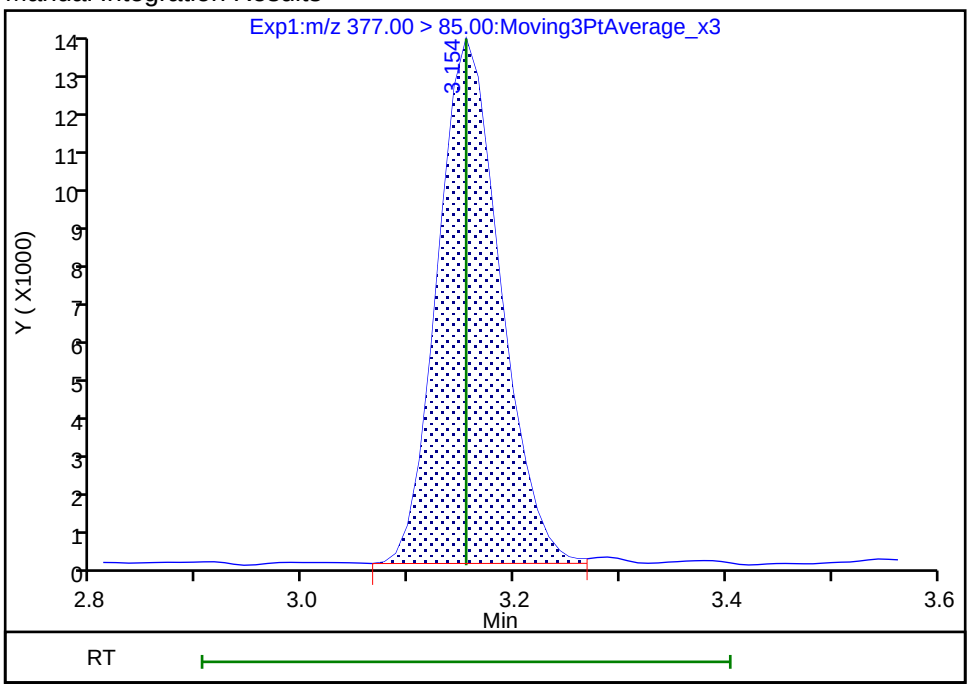
Processing Integration Results

RT: 3.15
Area: 53806
Amount: 0.045686
Amount Units: ng/ml



Manual Integration Results

RT: 3.15
Area: 53492
Amount: 0.045686
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:37:13

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

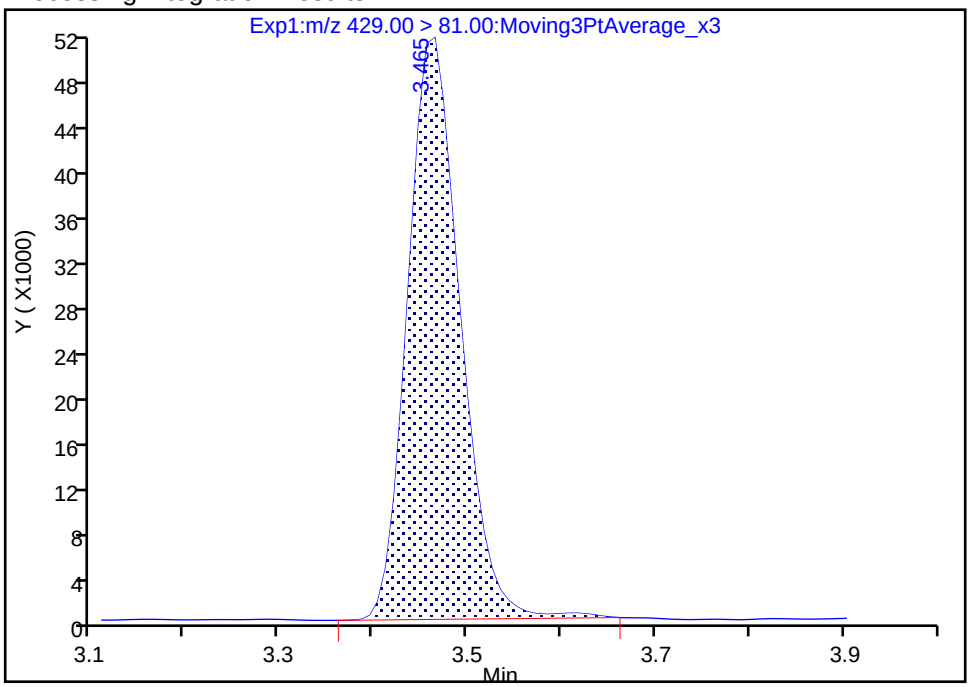
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A05.d
Injection Date: 04-Aug-2022 11:09:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

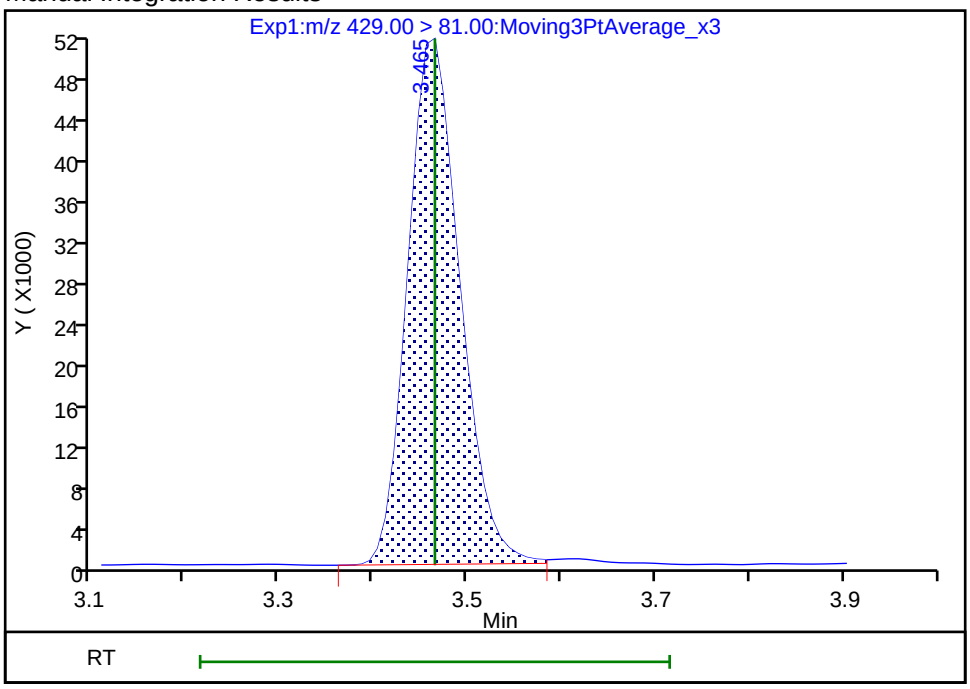
Processing Integration Results

RT: 3.47
Area: 199528
Amount: 1.176862
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 198186
Amount: 1.168947
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:37:18
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

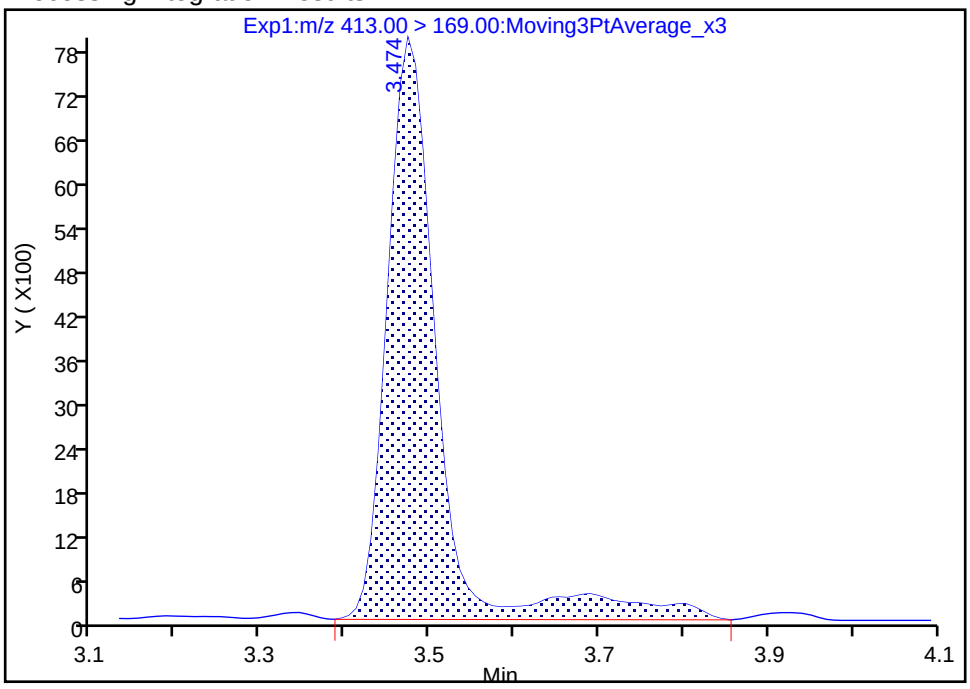
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A05.d
Injection Date: 04-Aug-2022 11:09:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

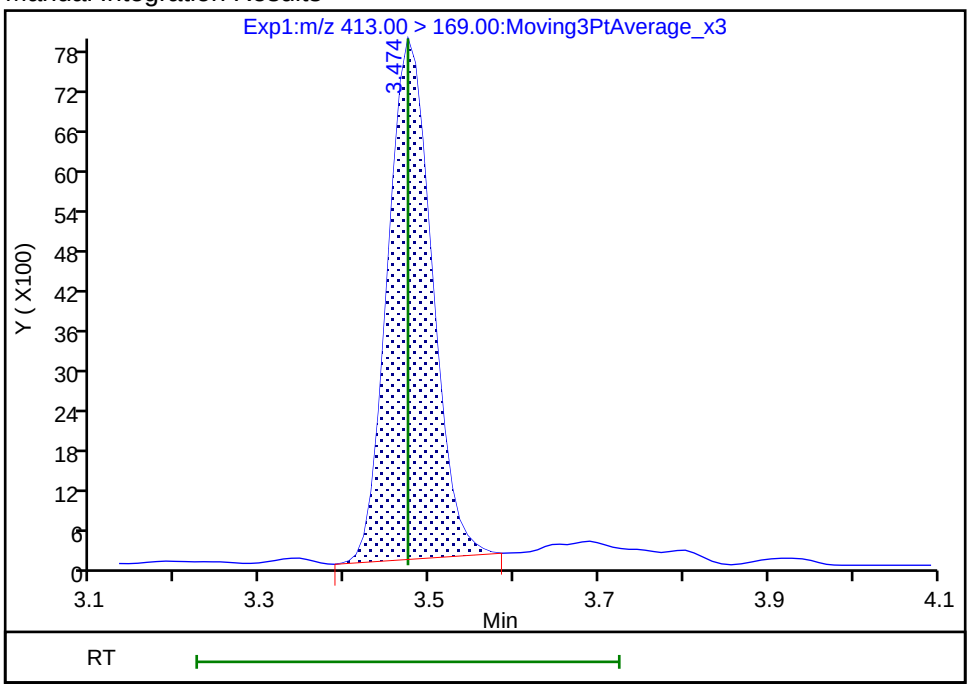
Processing Integration Results

RT: 3.47
Area: 32959
Amount: 0.049107
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 28444
Amount: 0.049107
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:37:29
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

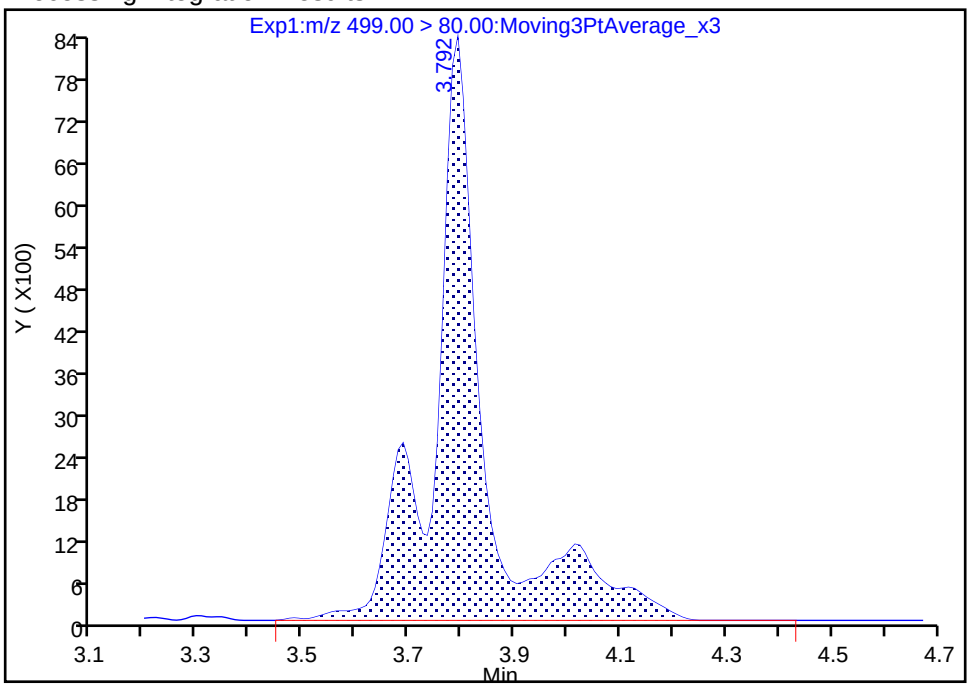
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A05.d
Injection Date: 04-Aug-2022 11:09:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

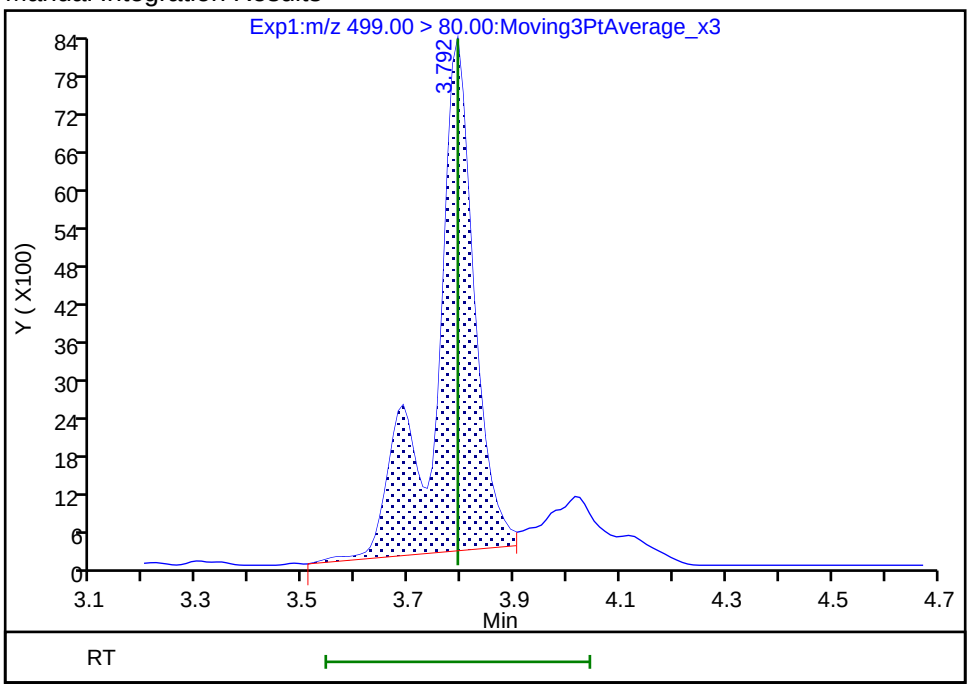
Processing Integration Results

RT: 3.79
Area: 57198
Amount: 0.057696
Amount Units: ng/ml



Manual Integration Results

RT: 3.79
Area: 42464
Amount: 0.038075
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:38:11
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

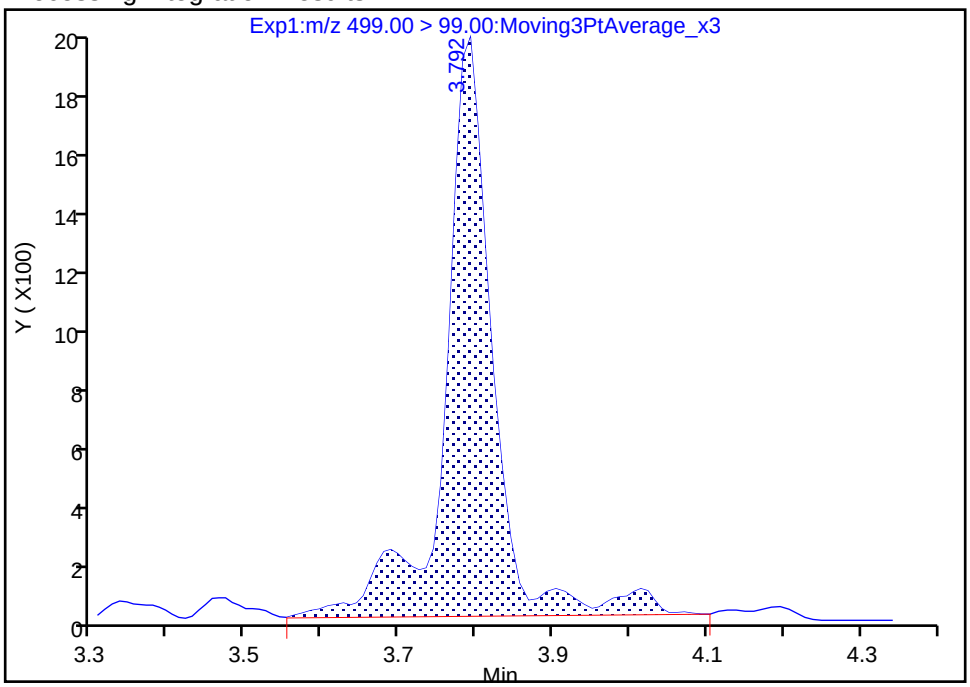
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A05.d
Injection Date: 04-Aug-2022 11:09:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

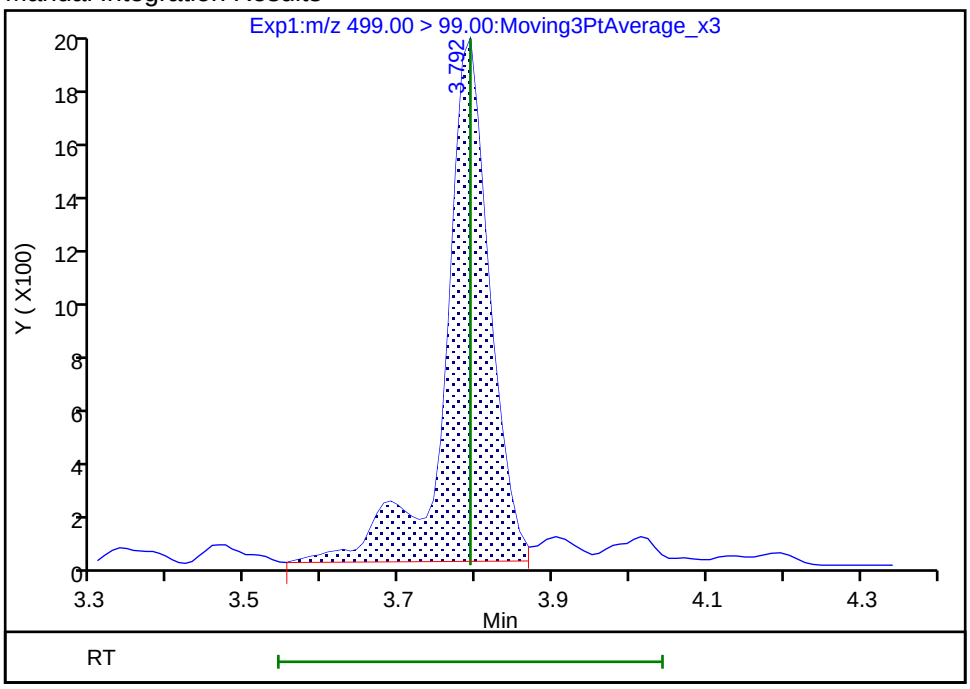
Processing Integration Results

RT: 3.79
Area: 8701
Amount: 0.057696
Amount Units: ng/ml



Manual Integration Results

RT: 3.79
Area: 8025
Amount: 0.038075
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:38:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

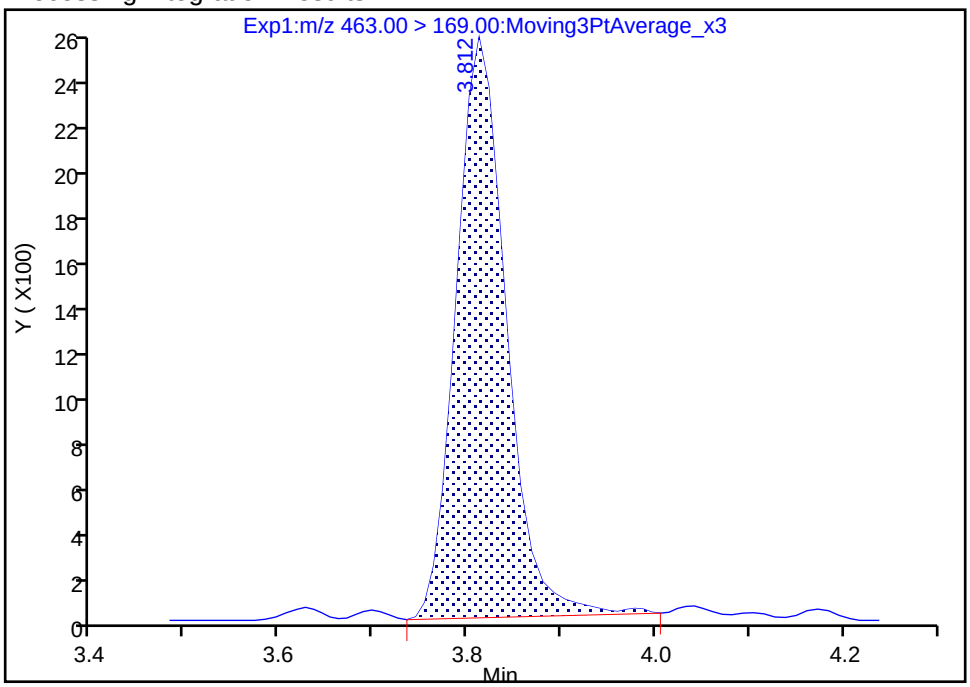
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A05.d
Injection Date: 04-Aug-2022 11:09:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

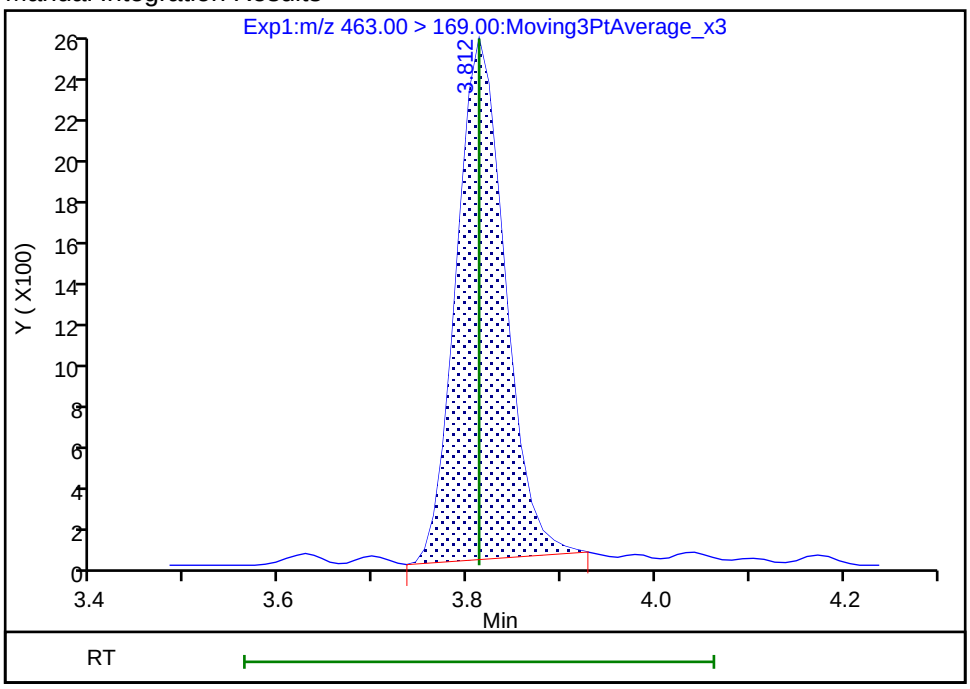
Processing Integration Results

RT: 3.81
Area: 9538
Amount: 0.051807
Amount Units: ng/ml



Manual Integration Results

RT: 3.81
Area: 9212
Amount: 0.051807
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:38:27
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

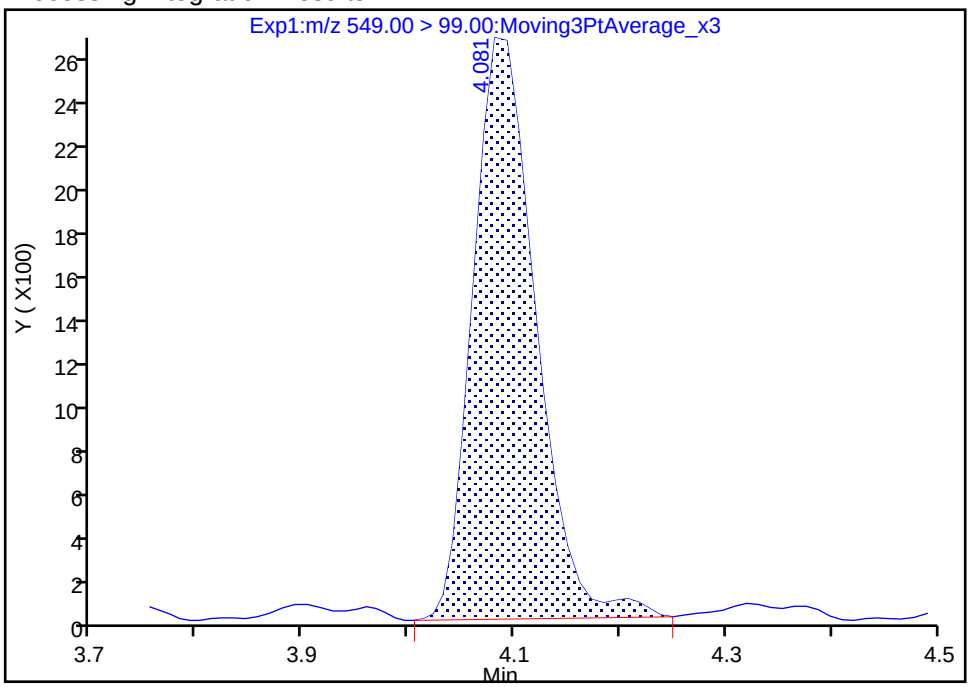
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A05.d				
Injection Date:	04-Aug-2022 11:09:18	Instrument ID:	LC812		
Lims ID:	CCVLIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

68 Perfluorononanesulfonic acid, CAS: 68259-12-1

Signal: 2

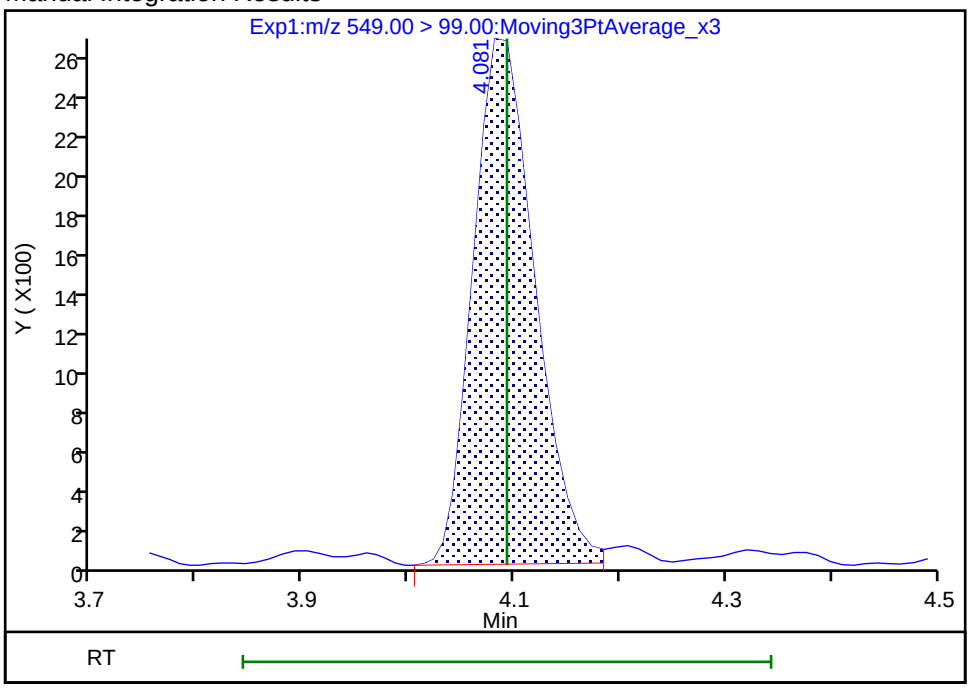
Processing Integration Results

RT: 4.08
Area: 10753
Amount: 0.047318
Amount Units: ng/ml



Manual Integration Results

RT: 4.08
Area: 10555
Amount: 0.047318
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:38:35

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

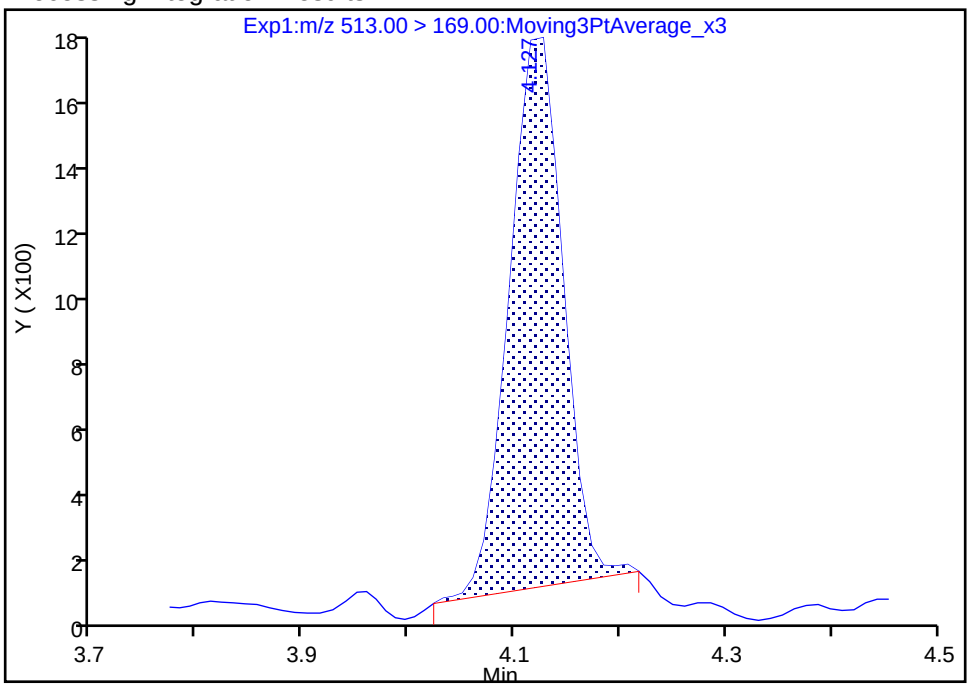
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A05.d
Injection Date: 04-Aug-2022 11:09:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

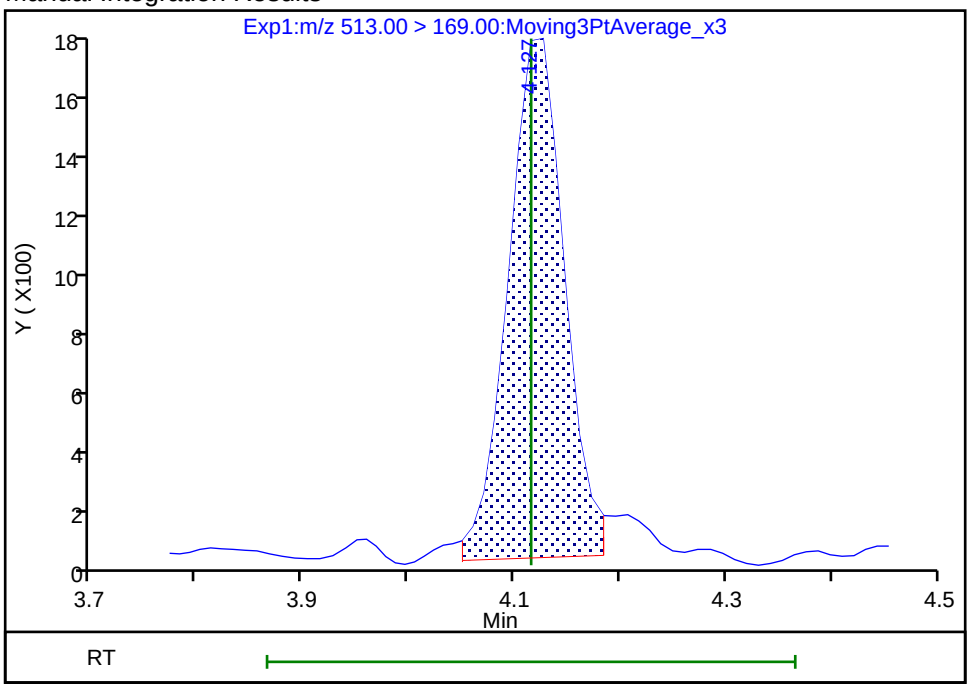
Processing Integration Results

RT: 4.13
Area: 5884
Amount: 0.053835
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 6407
Amount: 0.053835
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:38:54
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

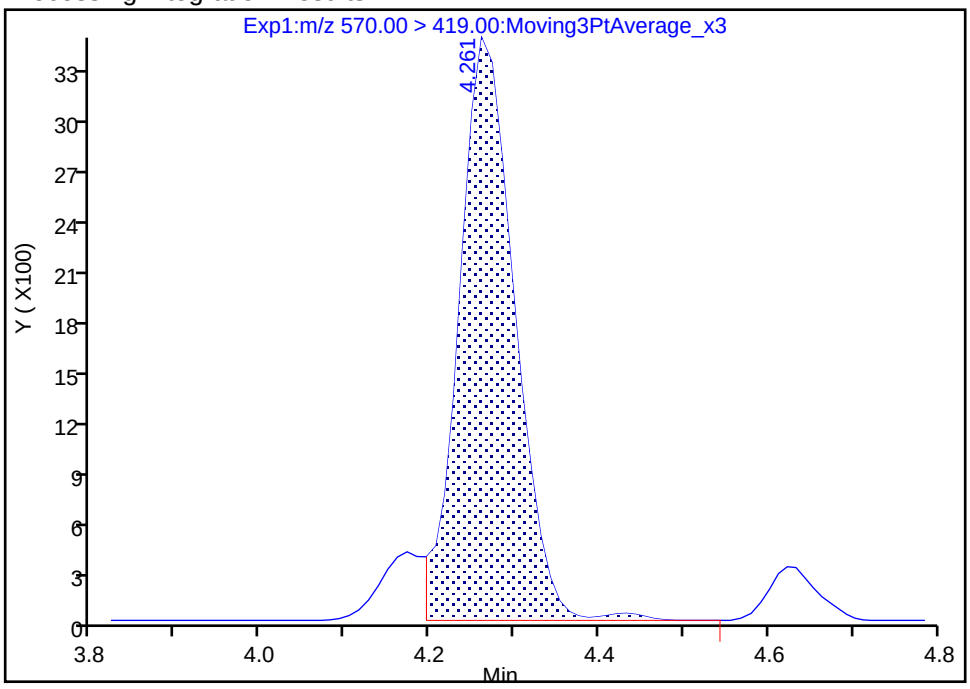
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A05.d
Injection Date: 04-Aug-2022 11:09:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

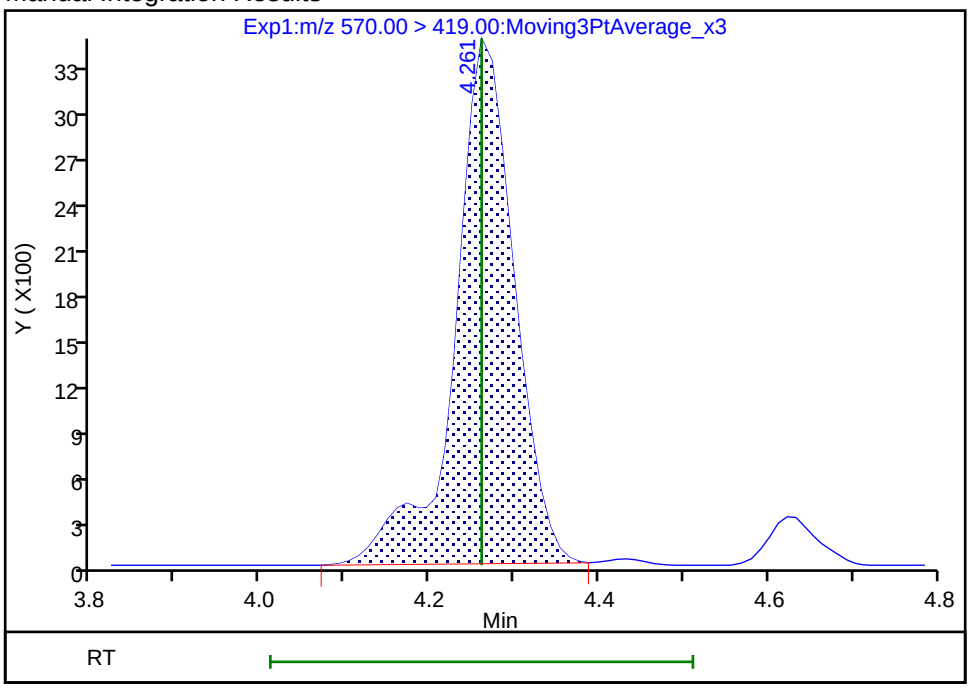
Processing Integration Results

RT: 4.26
Area: 15871
Amount: 0.109433
Amount Units: ng/ml



Manual Integration Results

RT: 4.26
Area: 17013
Amount: 0.117307
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:39:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

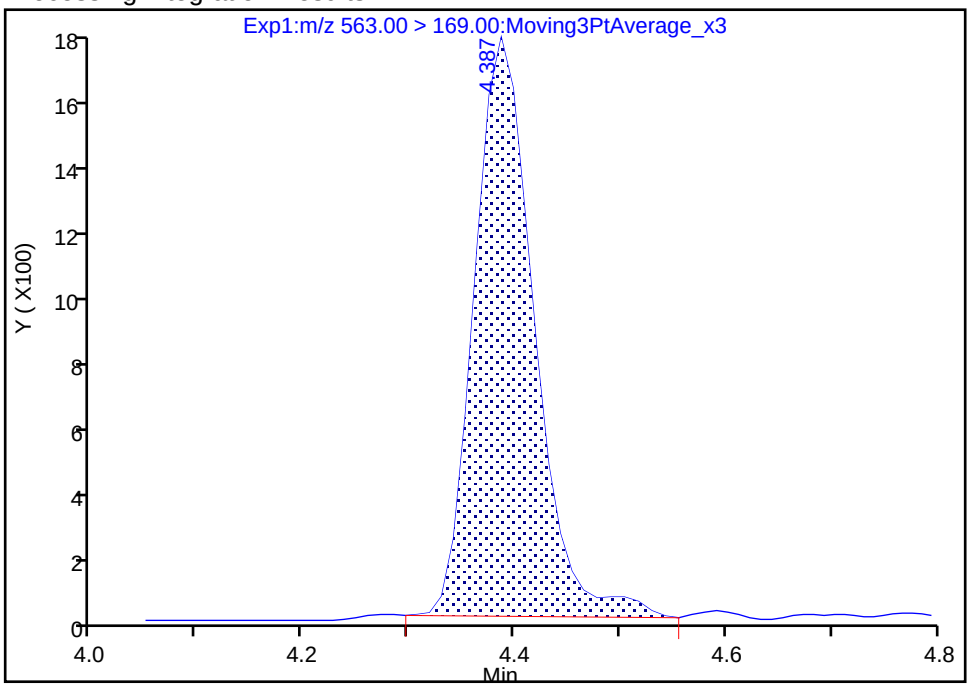
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A05.d
Injection Date: 04-Aug-2022 11:09:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

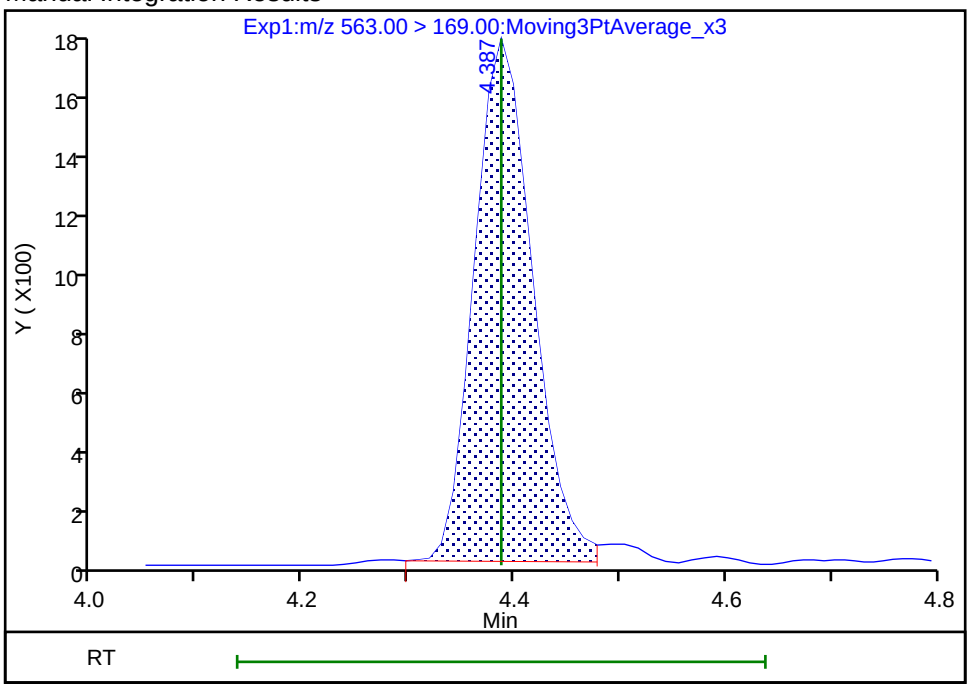
Processing Integration Results

RT: 4.39
Area: 6948
Amount: 0.052365
Amount Units: ng/ml



Manual Integration Results

RT: 4.39
Area: 6767
Amount: 0.052365
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:39:17
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

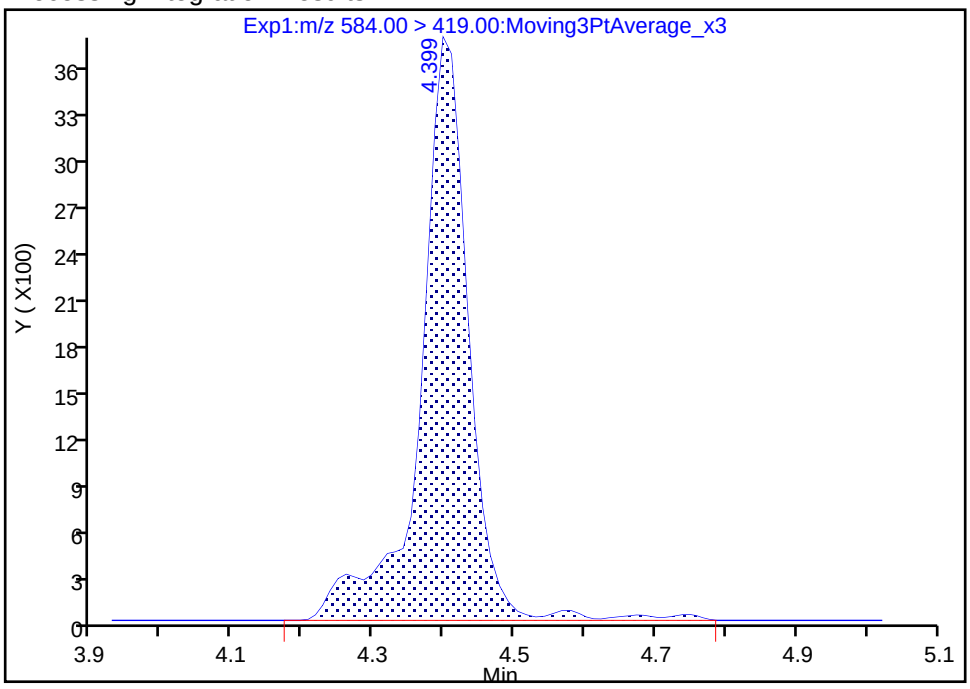
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A05.d
Injection Date: 04-Aug-2022 11:09:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

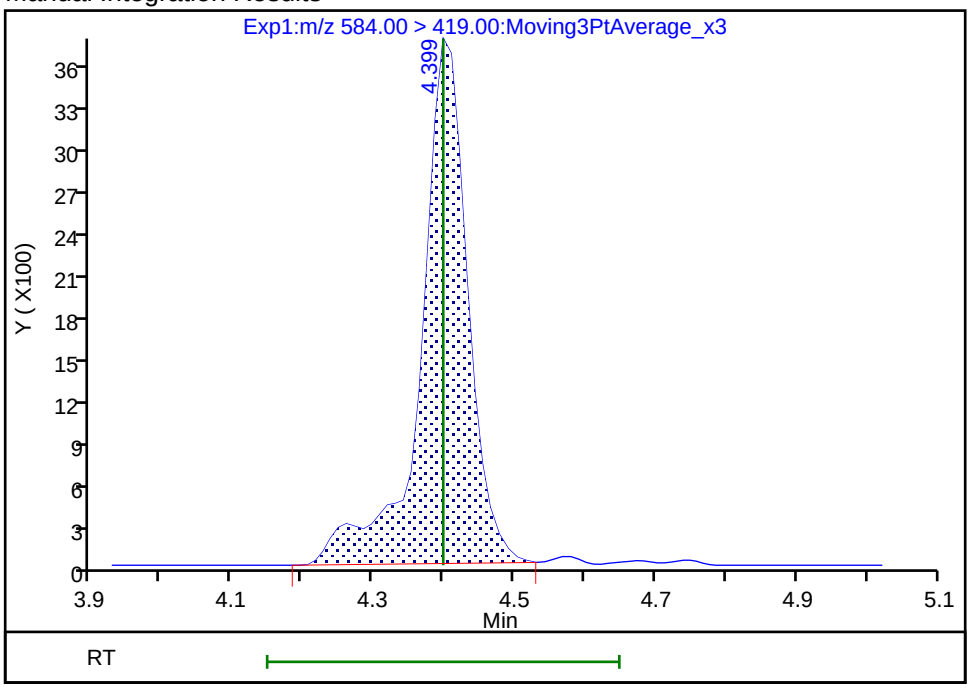
Processing Integration Results

RT: 4.40
Area: 18068
Amount: 0.134169
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 17445
Amount: 0.129543
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:39:25
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

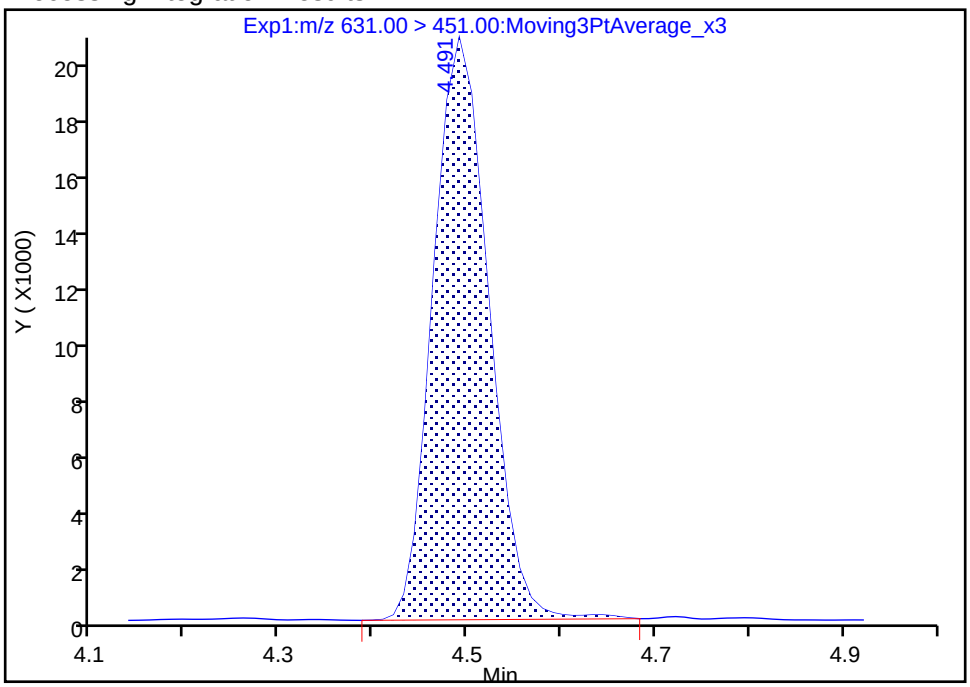
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A05.d
Injection Date: 04-Aug-2022 11:09:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

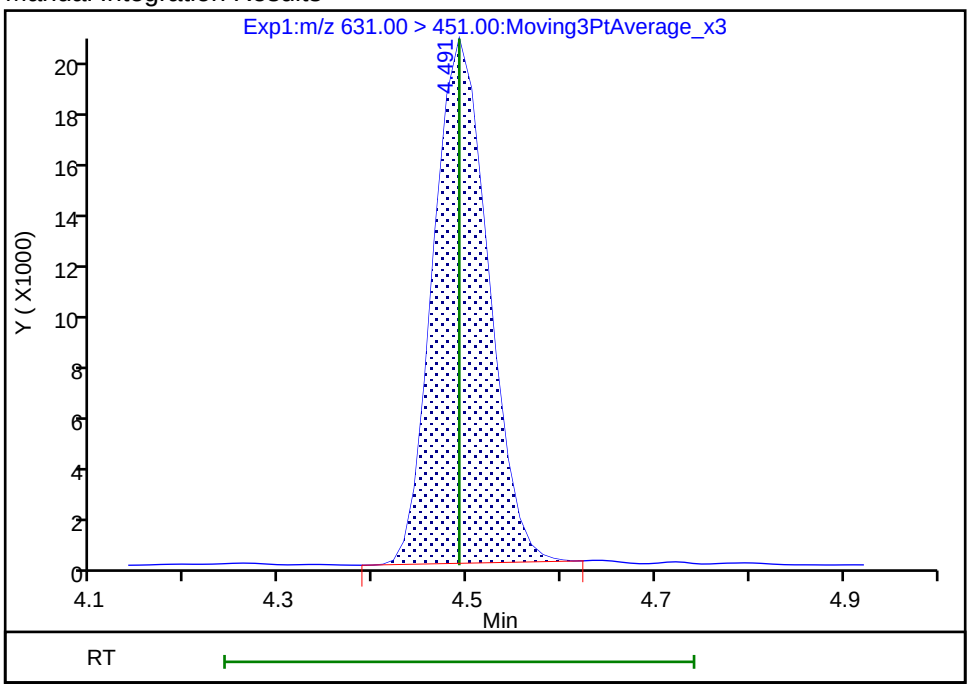
Processing Integration Results

RT: 4.49
Area: 83493
Amount: 0.048114
Amount Units: ng/ml



Manual Integration Results

RT: 4.49
Area: 82302
Amount: 0.047427
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:39:32
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

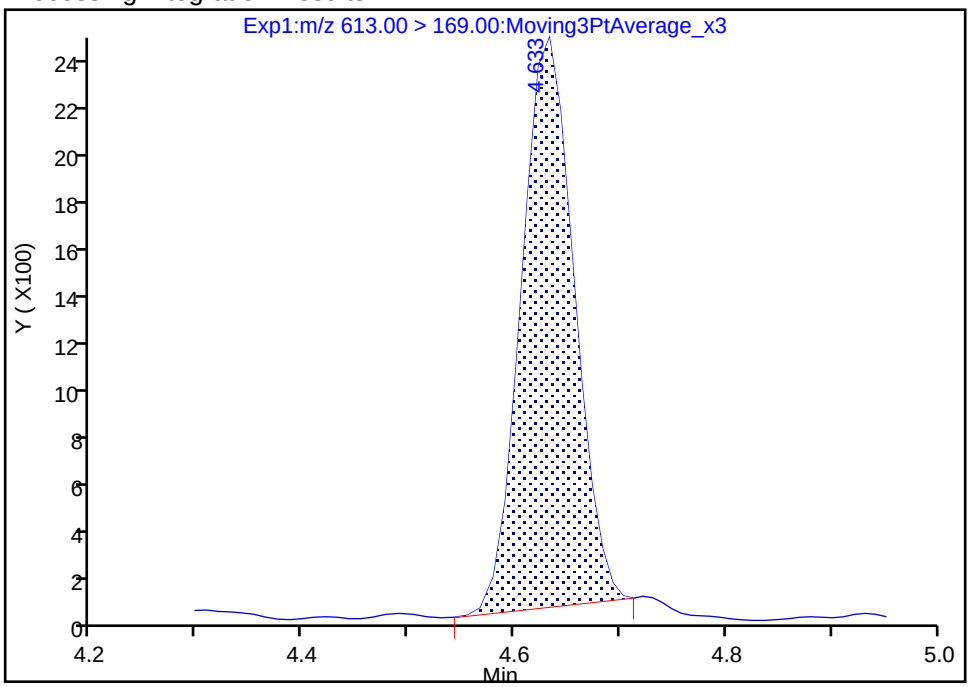
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A05.d
Injection Date: 04-Aug-2022 11:09:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

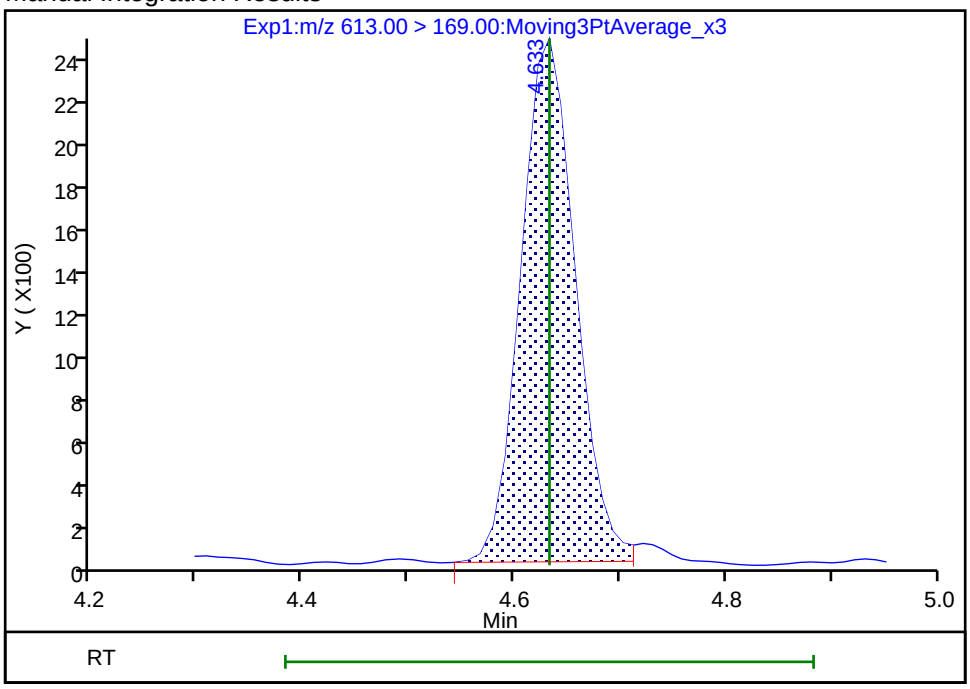
Processing Integration Results

RT: 4.63
Area: 8210
Amount: 0.050293
Amount Units: ng/ml



Manual Integration Results

RT: 4.63
Area: 8576
Amount: 0.050293
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:39:47
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

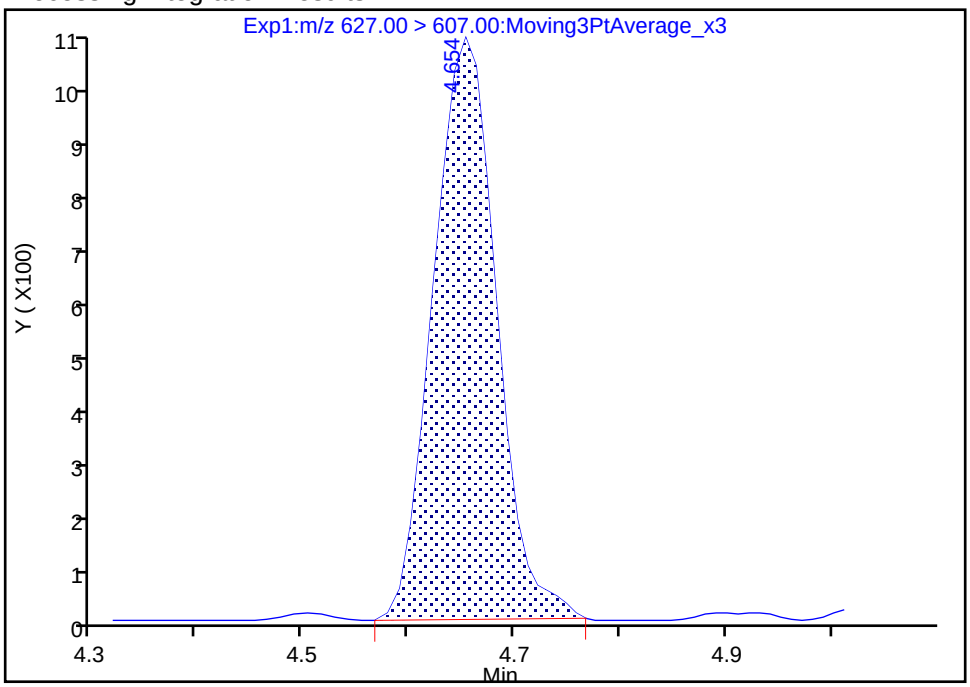
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A05.d				
Injection Date:	04-Aug-2022 11:09:18	Instrument ID:	LC812		
Lims ID:	CCVLIS				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

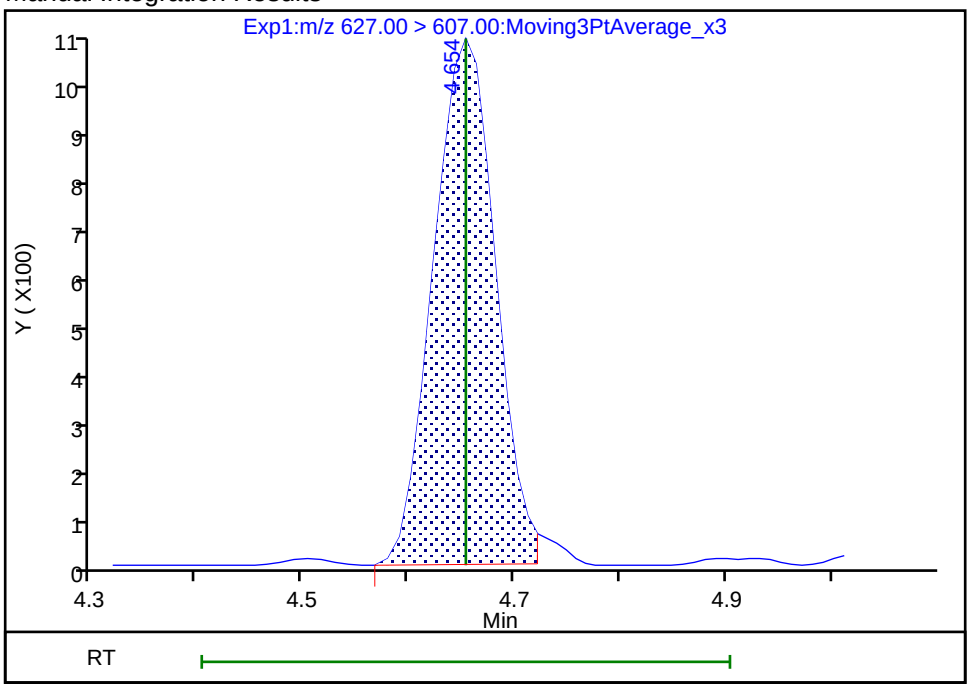
Processing Integration Results

RT: 4.65
Area: 4554
Amount: 0.048759
Amount Units: ng/ml



Manual Integration Results

RT: 4.65
Area: 4464
Amount: 0.047795
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:39:53
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

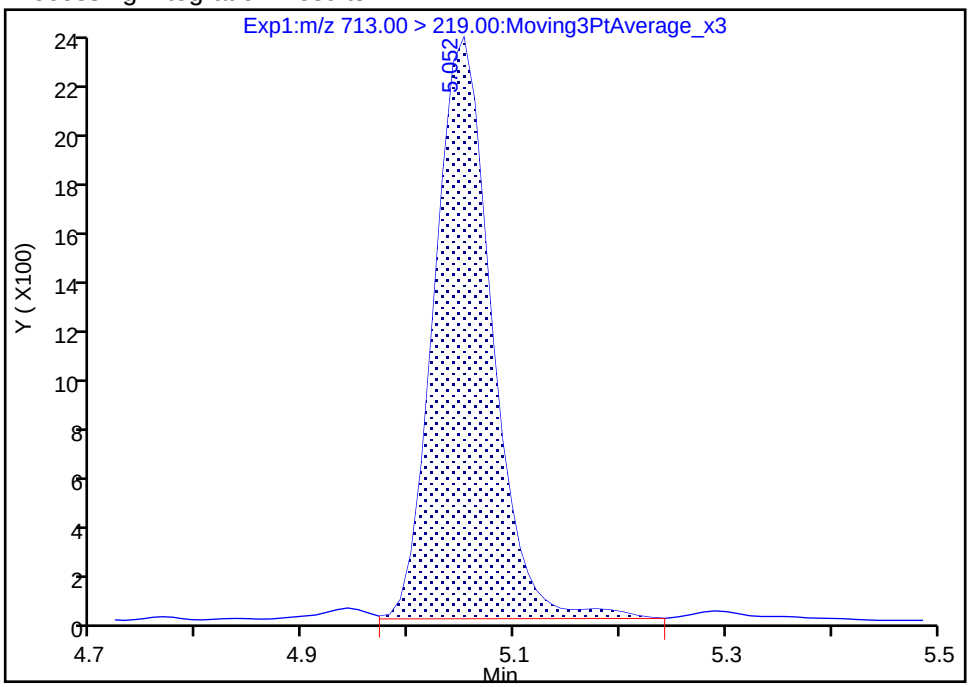
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A05.d
Injection Date: 04-Aug-2022 11:09:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

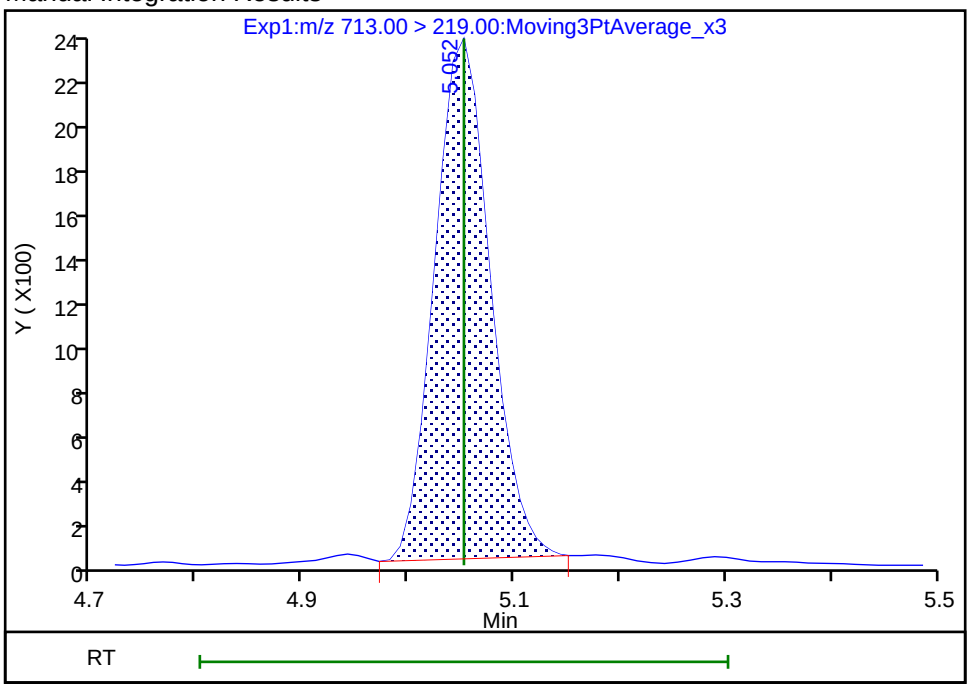
Processing Integration Results

RT: 5.05
Area: 9045
Amount: 0.053056
Amount Units: ng/ml



Manual Integration Results

RT: 5.05
Area: 8655
Amount: 0.053652
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:40:06
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

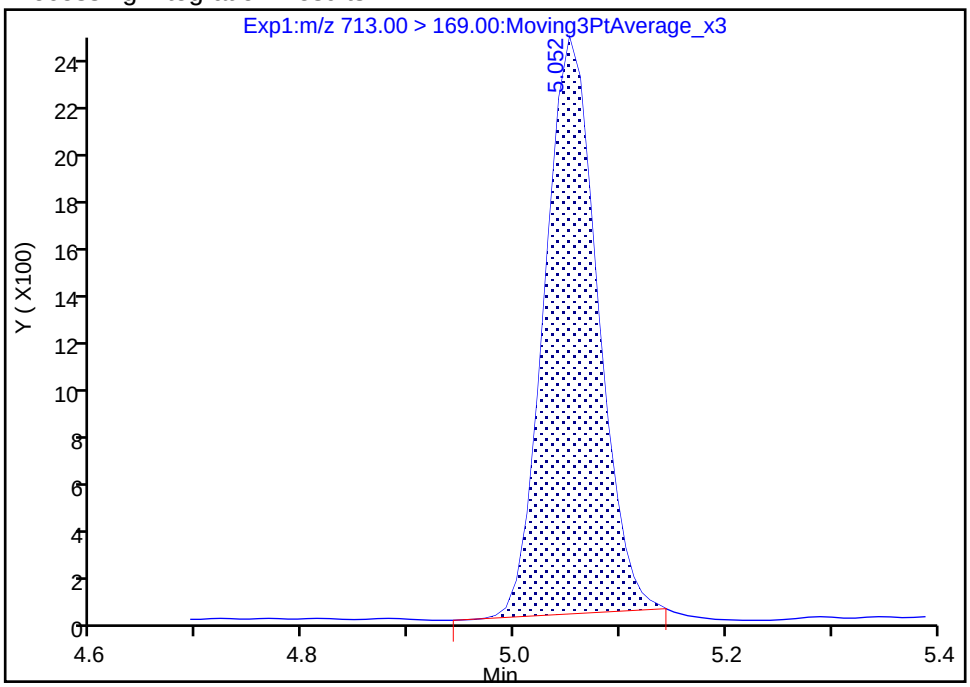
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A05.d
Injection Date: 04-Aug-2022 11:09:18 Instrument ID: LC812
Lims ID: CCVLIS
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

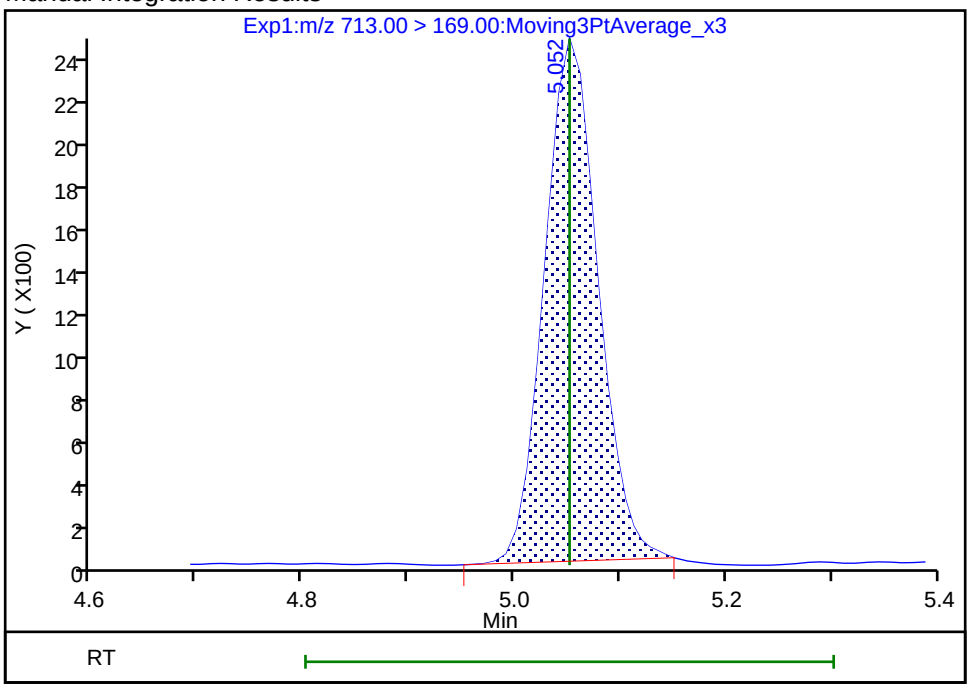
Processing Integration Results

RT: 5.05
Area: 8286
Amount: 0.053056
Amount Units: ng/ml



Manual Integration Results

RT: 5.05
Area: 8379
Amount: 0.053652
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:40:11
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Lab Sample ID: CCV 200-182375/1 Calibration Date: 08/04/2022 14:01

Instrument ID: LC812 Calib Start Date: 08/03/2022 13:00

GC Column: C-18 ID: 4.60(mm) Calib End Date: 08/03/2022 13:41

Lab File ID: PA220804B01.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	0.9697	0.9360		0.965	1.00	-3.5	
Perfluoropentanoic acid (PFPeA)	AveID	1.031	1.024		0.993	1.00	-0.7	
Perfluorobutanesulfonic acid (PFBS)	AveID	1.104	1.063		0.851	0.884	-3.7	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	2.377	2.348		0.923	0.934	-1.2	
Perfluorohexanoic acid (PFHxA)	AveID	1.043	1.030		0.987	1.00	-1.3	
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.297	1.283		0.928	0.938	-1.1	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.075	1.030		0.959	1.00	-4.1	
Perfluoroheptanoic acid (PFHpA)	AveID	1.031	1.006		0.976	1.00	-2.4	
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.103	1.070		0.882	0.910	-3.0	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	4.119	4.257		0.974	0.942	3.4	
6:2 FTS	L1ID		1.476		0.943	0.948	-0.5	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.236	1.189		0.916	0.952	-3.8	
Perfluorooctanoic acid (PFOA)	AveID	1.121	1.095		0.976	1.00	-2.4	
Perfluorooctanesulfonic acid (PFOS)	L1ID		1.011		0.924	0.928	-0.4	30.0
Perfluorononanoic acid (PFNA)	AveID	1.017	0.9867		0.970	1.00	-3.0	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	AveID	1.766	1.764		0.931	0.932	-0.1	
Perfluorononanesulfonic acid (PFNS)	AveID	0.7830	0.8059		0.988	0.960	2.9	
8:2 FTS	AveID	0.9657	0.9549		0.947	0.958	-1.1	
Perfluorodecanoic acid (PFDA)	AveID	1.052	1.056		1.00	1.00	0.4	
Perfluorooctanesulfonamide (FOSA)	AveID	1.019	0.998		0.979	1.00	-2.1	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.8881	0.8689		0.978	1.00	-2.2	
Perfluorodecanesulfonic acid (PFDS)	AveID	0.5827	0.5910		0.978	0.964	1.4	
Perfluoroundecanoic acid (PFUnA)	AveID	1.059	1.015		0.958	1.00	-4.2	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.9079	0.8690		0.957	1.00	-4.3	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	AveID	2.299	2.256		0.924	0.942	-1.9	
Perfluorododecanoic acid (PFDoA)	AveID	1.014	1.017		1.00	1.00	0.2	
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	AveID	0.4511	0.4643		0.992	0.964	2.9	
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.2587	0.2528		0.946	0.968	-2.3	

FORM VII 537 (modified)

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Lab Sample ID: CCV 200-182375/1 Calibration Date: 08/04/2022 14:01

Instrument ID: LC812 Calib Start Date: 08/03/2022 13:00

GC Column: C-18 ID: 4.60(mm) Calib End Date: 08/03/2022 13:41

Lab File ID: PA220804B01.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorotridecanoic acid (PFTriA)	AveID	0.8791	0.8988		1.02	1.00	2.2	
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1602	0.1620		1.01	1.00	1.1	
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		0.9406		1.03	1.00	3.1	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.6649	0.6870		1.03	1.00	3.3	
13C4 PFBA	Ave	1.167	1.137		1.22	1.25	-2.5	
13C5 PFPeA	Ave	0.8976	0.9180		1.28	1.25	2.3	
13C3 PFBS	Ave	1.039	1.020		1.14	1.16	-1.8	
M2-4:2 FTS	Ave	0.0894	0.0864		1.13	1.17	-3.3	
13C2 PFHxA	Ave	0.8962	0.8661		1.21	1.25	-3.4	
13C3 HFPO-DA	Ave	0.1687	0.1710		1.27	1.25	1.4	
13C4 PFHpA	Ave	0.9296	0.8984		1.21	1.25	-3.4	50.0
18O2 PFHxS	Ave	0.7305	0.7147		1.16	1.18	-2.2	50.0
M2-6:2 FTS	Ave	0.1223	0.1231		1.20	1.19	0.7	
13C4 PFOA	Ave	0.9525	0.9406		1.23	1.25	-1.2	50.0
13C4 PFOS	Ave	0.5455	0.5254		1.15	1.20	-3.7	50.0
13C5 PFNA	Ave	0.9889	1.070		1.35	1.25	8.2	50.0
13C2 PFDA	Ave	0.9624	0.9878		1.28	1.25	2.6	
M2-8:2 FTS	Ave	0.1471	0.1593		1.30	1.20	8.3	
13C8 FOSA	Ave	0.8423	0.8444		1.25	1.25	0.2	
d3-NMeFOSAA	Ave	0.1290	0.1142		1.11	1.25	-11.4	
13C2 PFUnA	Ave	0.7292	0.7988		1.37	1.25	9.5	
d5-NEtFOSAA	Ave	0.1221	0.1087		1.11	1.25	-11.0	
13C2 PFDoA	Ave	0.7556	0.8023		1.33	1.25	6.2	
13C2 PFTeDA	Ave	0.6177	0.6869		1.39	1.25	11.2	
13C2 PFHxDA	Ave	0.7037	0.7483		1.33	1.25	6.3	

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d
Lims ID: CCV L4
Client ID:
Sample Type: CCV
Inject. Date: 04-Aug-2022 14:01:09 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: CCV L4
Misc. Info.: 200-0051959-001 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812
Sublist: chrom-PFC_LC812*sub3

Method: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 05-Aug-2022 12:53:58 Calib Date: 03-Aug-2022 13:41:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1640

First Level Reviewer: nampitakw Date: 05-Aug-2022 10:17:24
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.077	2.076	0.001	0.599	2042372	1.22		97.5	9721	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.077	2.085	-0.008	1.000	1529310	0.9652		96.5	174	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.391	2.400	-0.009	0.689	1648267	1.28		102	3282	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.391	2.400	-0.009	1.000	1350273	0.99		99.3	60.7	
D 47 13C3 PFBS										M
301.90 > 80.00	2.404	2.413	-0.009	0.693	1702851	1.14		98.2	178165	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.404	2.413	-0.009	1.000	1376426	0.8513	Target=2.23	96.3	1445	M
298.90 > 99.00	2.404	2.413	-0.009	1.000	634147		2.17(1.11-3.34)		467	M
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.697	2.713	-0.017	0.777	144971	1.13		96.7	155	M
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.709	2.713	-0.004	1.005	272359	0.9228		98.8	1590	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.745	2.750	-0.005	1.000	1280894	0.9867	Target=12.24	98.7	269	M
313.00 > 119.00	2.745	2.750	-0.005	1.000	102394		12.51(6.12-18.36)		163	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.745	2.750	-0.005	0.791	1555077	1.21		96.6	2217	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.745	2.750	-0.005	0.884	1235437	0.9281	Target=2.95	98.9	1015	M
349.00 > 99.00	2.745	2.750	-0.005	0.884	397521		3.11(1.48-4.43)		747	
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.855	2.859	-0.004	0.823	307053	1.27		101	1292	

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	2.855	2.859	-0.004	1.000	253134	0.9590		95.9	1763	
D 11 18O2 PFHxS										M
403.00 > 84.00	3.105	3.110	-0.005	0.895	1213992	1.16		97.8	1575	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.105	3.110	-0.005	1.000	999207	0.8824	Target=3.43	97.0	1142	M
399.00 > 99.00	3.105	3.110	-0.005	1.000	300518		3.32(1.72-5.15)		314	M
D 9 13C4 PFHpA										M
367.00 > 322.00	3.105	3.121	-0.016	0.895	1613114	1.21		96.6	1903	M
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.105	3.121	-0.016	1.000	1297665	0.9757	Target=3.73	97.6	382	M
363.00 > 169.00	3.105	3.121	-0.016	1.000	348570		3.72(1.86-5.59)		580	M
77 DONA										M
377.00 > 251.00	3.150	3.154	-0.004	0.833	3026457	0.9737	Target=2.84	103	1945	M
377.00 > 85.00	3.150	3.154	-0.004	0.833	1106337		2.74(1.42-4.26)		1227	M
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.453	3.465	-0.012	0.995	210062	1.20		101	313	M
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.453	3.465	-0.012	1.000	247463	0.9432		99.5	325	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.453	3.465	-0.012	0.914	854457	0.9161	Target=4.89	96.2	1302	M
449.00 > 99.00	3.453	3.465	-0.012	0.914	181399		4.71(2.44-7.33)		632	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.470	3.474	-0.004	1.003	1478937	0.9761	Target=2.67	97.6	172	M
413.00 > 169.00	3.470	3.474	-0.004	1.003	559477		2.64(1.34-4.01)		718	M
D 14 13C4 PFOA										
417.00 > 372.00	3.462	3.474	-0.012	0.997	1688941	1.23		98.8	3050	
* 62 13C2 PFOA										
415.00 > 370.00	3.470	3.474	-0.004		1795525	1.25			2156	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.779	3.792	-0.013	1.000	707939	0.9244	Target=4.88	99.6	418	M
499.00 > 99.00	3.779	3.792	-0.013	1.000	144448		4.90(2.44-7.32)		501	M
D 18 13C4 PFOS										
503.00 > 80.00	3.779	3.792	-0.013	1.089	901795	1.15		96.3	2030	
20 Perfluorononanoic acid										M
463.00 > 419.00	3.799	3.812	-0.013	1.000	1516929	0.9698	Target=8.23	97.0	421	
463.00 > 169.00	3.799	3.812	-0.013	1.000	189815		7.99(4.11-12.34)		764	M
D 19 13C5 PFNA										
468.00 > 423.00	3.799	3.812	-0.013	1.095	1921637	1.35		108	3498	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.948	3.960	-0.012	1.045	1240573	0.9306		99.9	3301	
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.080	4.093	-0.013	1.080	583835	0.9881	Target=2.53	103	1978	M
549.00 > 99.00	4.080	4.093	-0.013	1.080	230103		2.54(1.26-3.79)		974	M
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.115	4.116	-0.001	1.003	1498505	1.00	Target=9.67	100	861	
513.00 > 169.00	4.103	4.116	-0.013	1.000	161243		9.29(4.83-14.50)		717	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 23 13C2 PFDA										M
515.00 > 470.00	4.103	4.116	-0.013	1.182	1773664	1.28		103	2302	M
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.115	4.127	-0.012	1.000	209289	0.9473		98.9	1502	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.115	4.127	-0.012	1.186	273963	1.30		108	923	
D 21 13C8 FOSA										M
506.00 > 78.00	4.160	4.161	-0.001	1.199	1516068	1.25		100	1492	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.160	4.161	-0.001	1.000	1209971	0.9790		97.9	1612	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.260	4.261	-0.001	1.003	142571	0.9783		97.8	229	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.249	4.261	-0.012	1.224	205113	1.11		88.6	457	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.352	4.365	-0.013	1.152	429904	0.9777	Target=2.80	101	1737	M
599.00 > 99.00	4.352	4.365	-0.013	1.152	165608		2.60(1.40-4.20)		1297	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.375	4.387	-0.012	1.261	1434232	1.37		110	1632	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.386	4.387	-0.001	1.003	1164137	0.9577	Target=9.07	95.8	883	
563.00 > 169.00	4.386	4.387	-0.001	1.003	139821		8.33(4.54-13.61)		710	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.398	4.399	-0.001	1.003	135714	0.9571		95.7	596	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.386	4.399	-0.013	1.264	195218	1.11		89.0	1056	
66 11-Chloroeicosafluoro-3-oxaundec										M
631.00 > 451.00	4.477	4.491	-0.014	1.185	1603817	0.9244		98.1	2256	M
D 36 13C2 PFDoA										
615.00 > 570.00	4.622	4.633	-0.011	1.332	1440594	1.33		106	3923	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.622	4.633	-0.011	1.000	1171645	1.00	Target=6.97	100	181	
613.00 > 169.00	4.622	4.633	-0.011	1.000	177492		6.60(3.48-10.45)		1253	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.642	4.654	-0.012	1.128	102407	0.99		103	689	M
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.803	4.813	-0.010	1.271	184661	0.9459	Target=0.52	97.7	1298	
699.00 > 99.00	4.803	4.813	-0.010	1.271	343799		0.54(0.26-0.79)		2152	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.847	4.859	-0.012	1.049	1035890	1.02	Target=4.56	102	195	M
663.00 > 169.00	4.847	4.859	-0.012	1.049	227030		4.56(2.28-6.84)		861	
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.041	5.052	-0.011	1.453	1233311	1.39		111	1763	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.041	5.052	-0.011	1.000	159842	1.01	Target=0.94	101	1632	
713.00 > 219.00	5.041	5.052	-0.011	1.000	172738		0.93(0.47-1.41)		1556	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.410	5.422	-0.012	1.000	1011043	1.03	Target=4.38	103	271	
813.00 > 169.00	5.410	5.422	-0.012	1.000	223410		4.53(2.19-6.57)		1387	
D 44 13C2 PFHxDA										M
815.00 > 770.00	5.410	5.422	-0.012	1.559	1343601	1.33		106	1752	M
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.776	5.795	-0.019	1.068	738436	1.03	Target=4.31	103	197	M
913.00 > 169.00	5.776	5.795	-0.019	1.068	169666		4.35(2.16-6.47)		911	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

PFAS32NCIC4_00033 Amount Added: 100.00 Units: uL

Report Date: 05-Aug-2022 12:53:59 Chrom Revision: 2.3 04-Aug-2022 18:02:28

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d

Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812

Lims ID: CCV L4

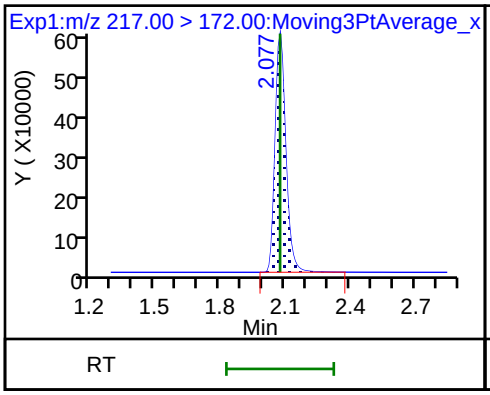
Client ID:

Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1

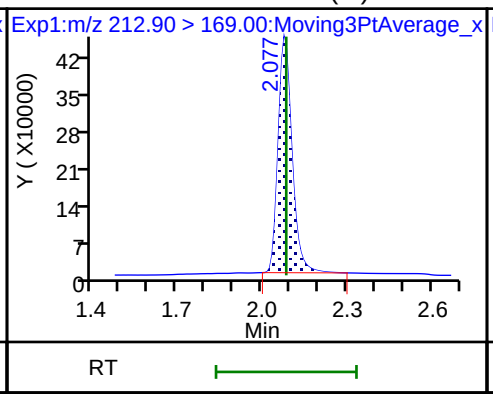
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

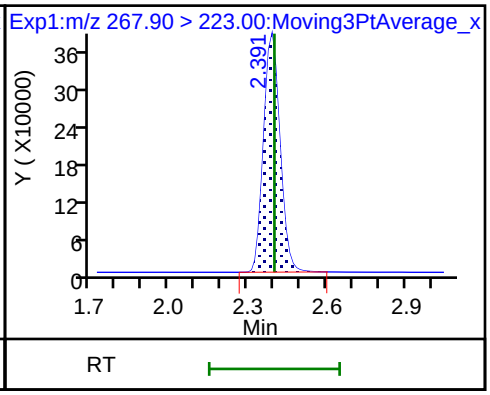
D 1 13C4 PFBA



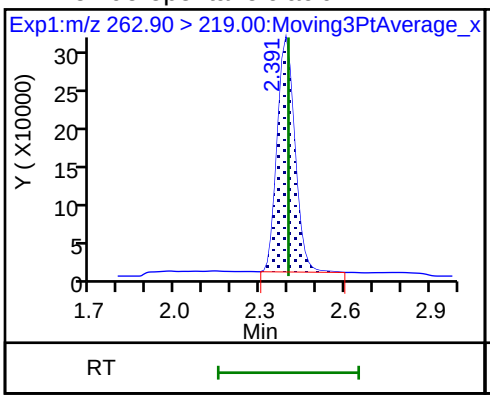
2 Perfluorobutanoic acid (M)



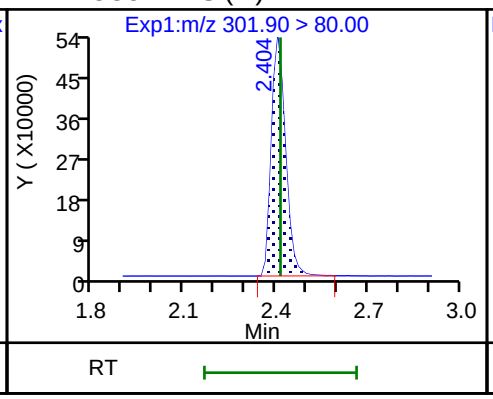
D 3 13C5 PFPeA



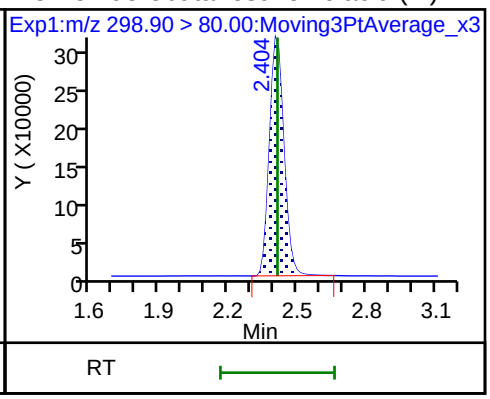
4 Perfluoropentanoic acid



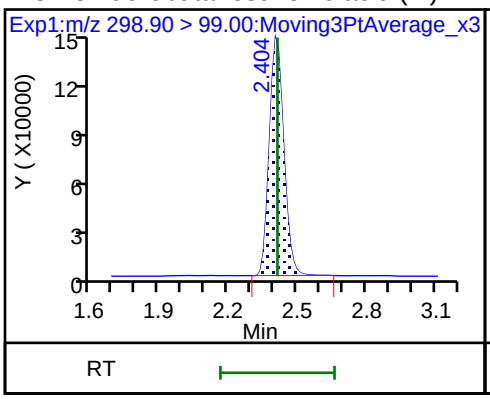
D 47 13C3 PFBS (M)



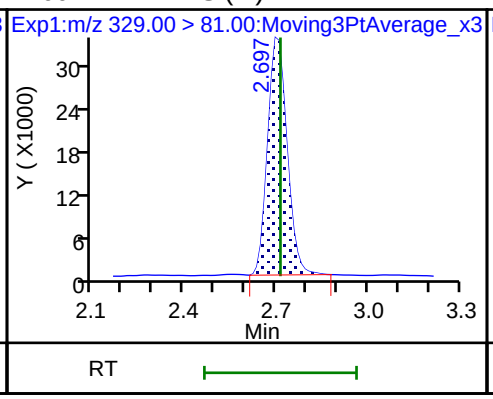
5 Perfluorobutanesulfonic acid (M)



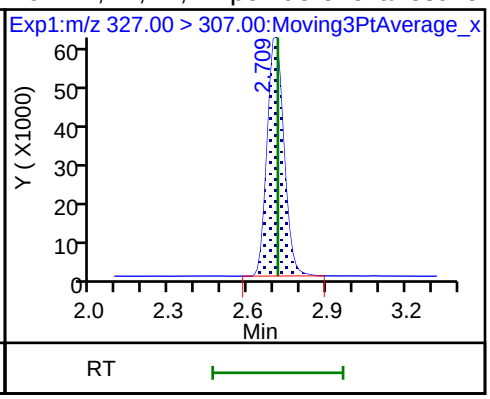
5 Perfluorobutanesulfonic acid (M)



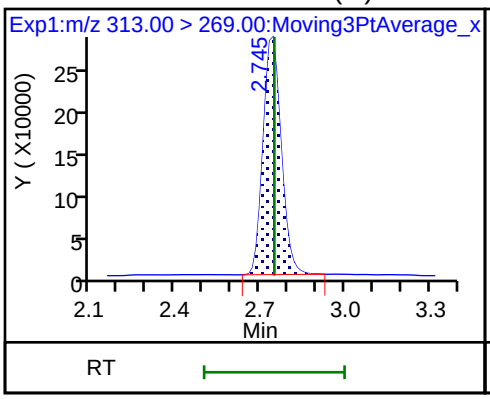
D 60 M2-4:2 FTS (M)



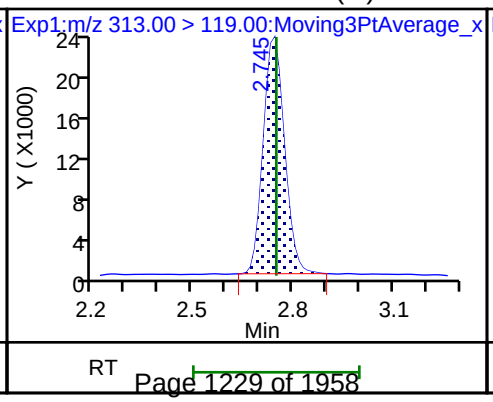
61 1H,1H,2H,2H-perfluorohexanesulfo



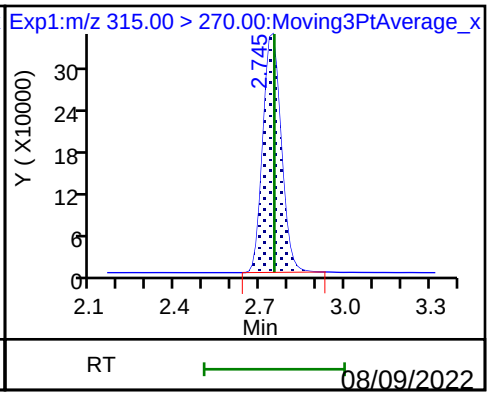
6 Perfluorohexanoic acid (M)



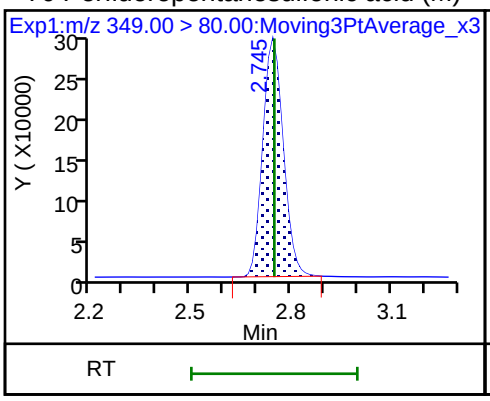
6 Perfluorohexanoic acid (M)



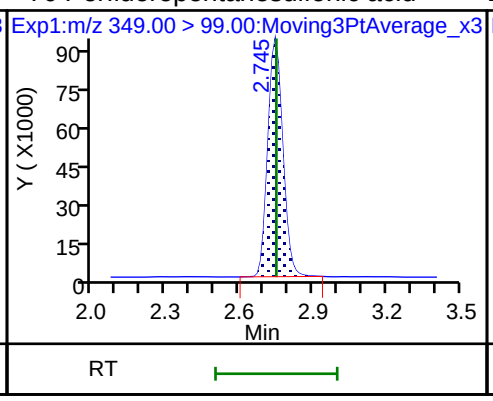
D 7 13C2 PFHxA



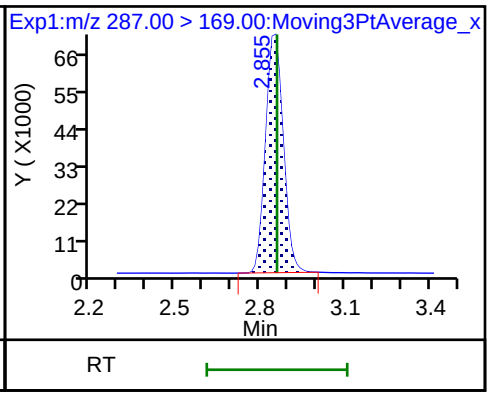
70 Perfluoropentanesulfonic acid (M)



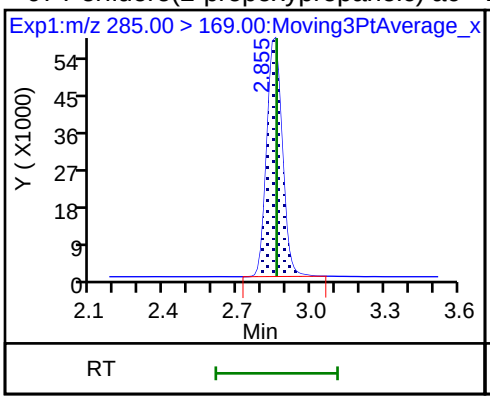
70 Perfluoropentanesulfonic acid



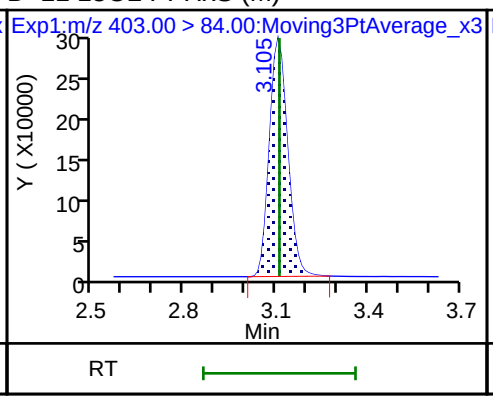
D 64 13C3 HFPO-DA



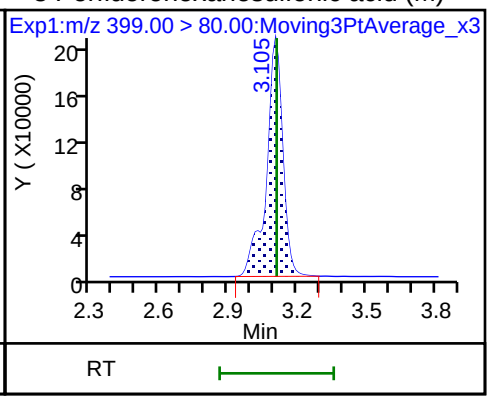
67 Perfluoro(2-propoxypropanoic) ac



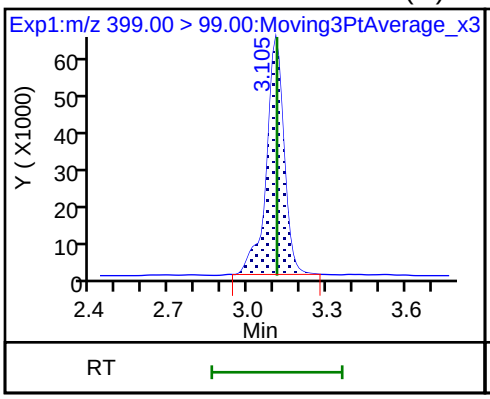
D 11 18O2 PFHxS (M)



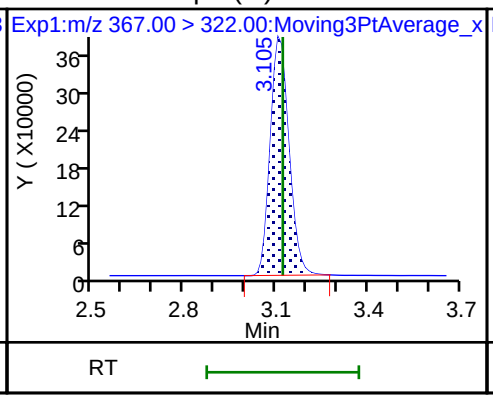
8 Perfluorohexanesulfonic acid (M)



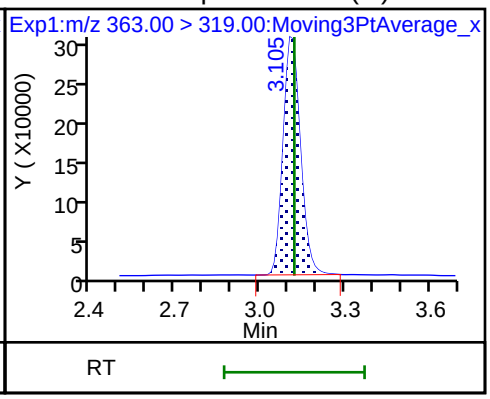
8 Perfluorohexanesulfonic acid (M)



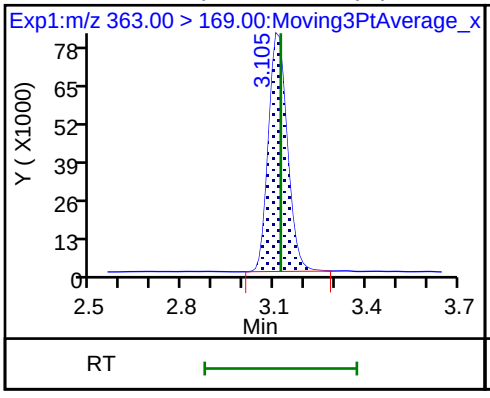
D 9 13C4 PFHpA (M)



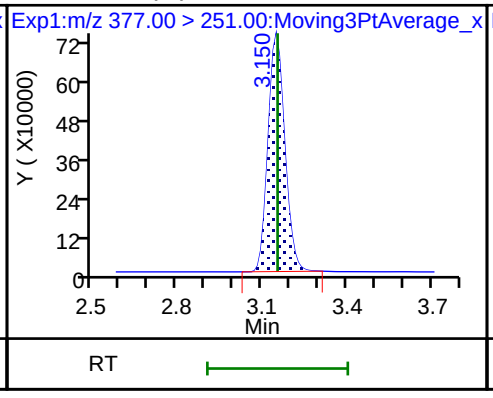
10 Perfluoroheptanoic acid (M)



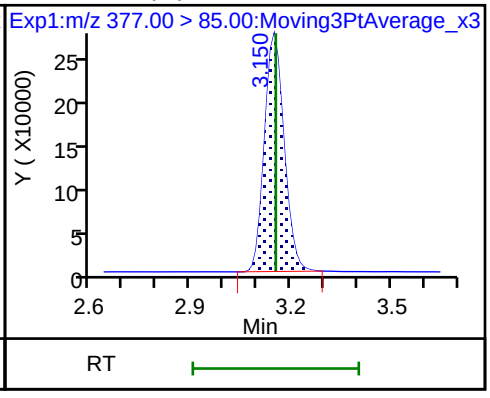
10 Perfluoroheptanoic acid (M)



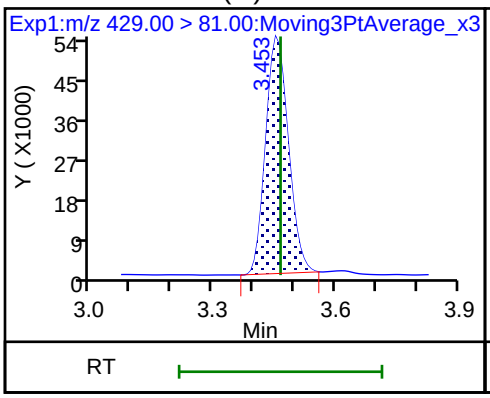
77 DONA (M)



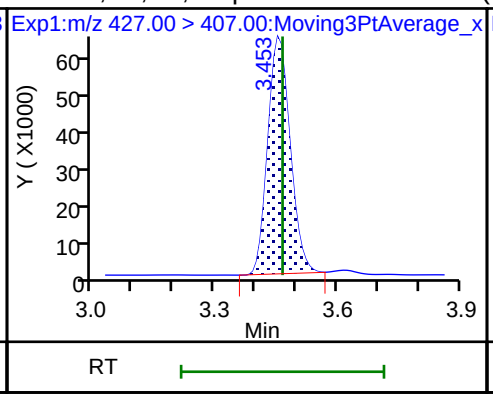
77 DONA (M)



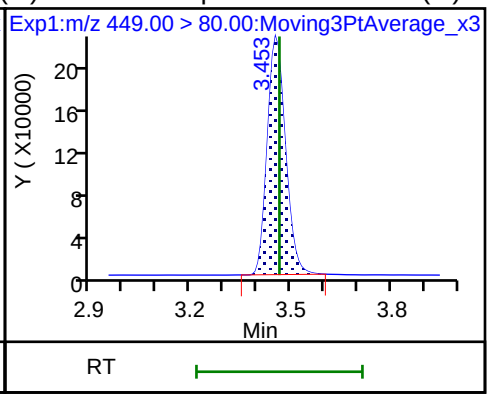
D 12 M2-6:2 FTS (M)



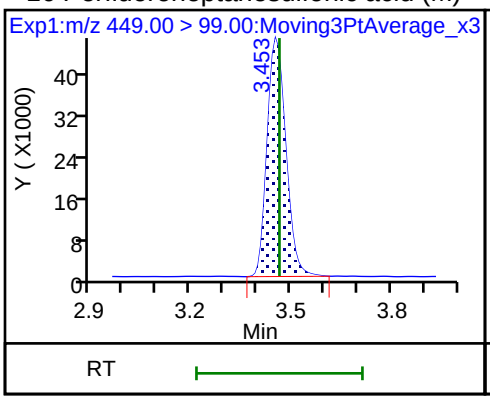
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



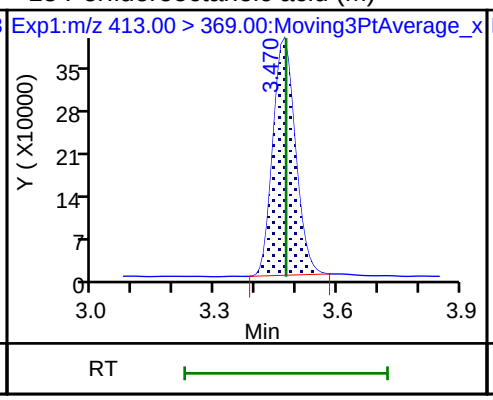
16 Perfluoroheptanesulfonic acid (M)



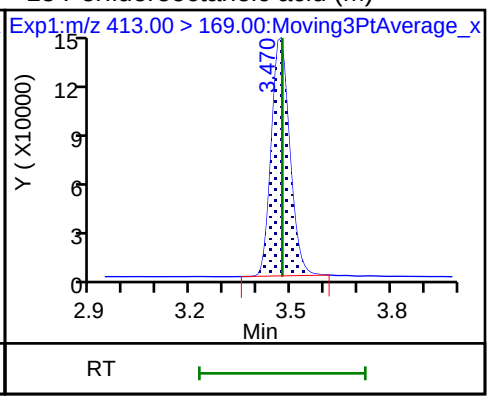
16 Perfluoroheptanesulfonic acid (M)



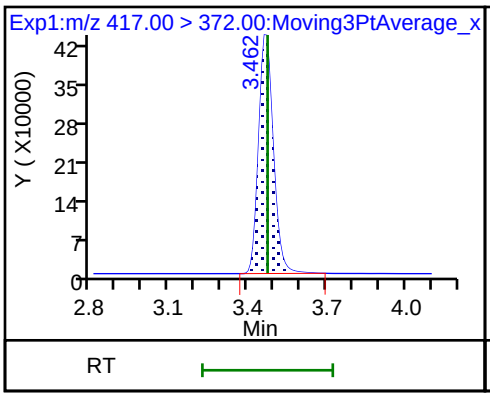
15 Perfluorooctanoic acid (M)



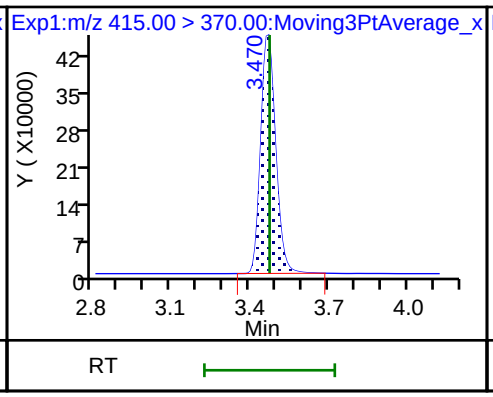
15 Perfluorooctanoic acid (M)



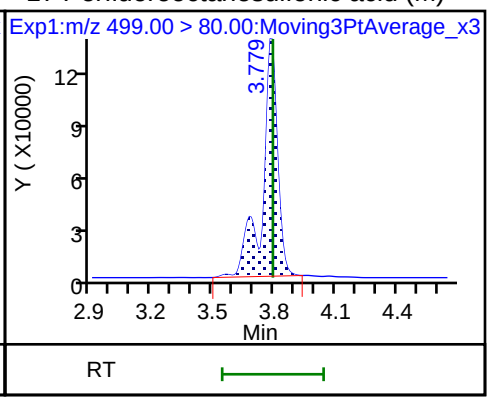
D 14 13C4 PFOA



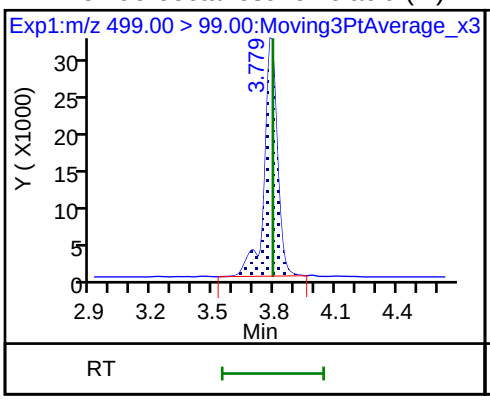
* 62 13C2 PFOA



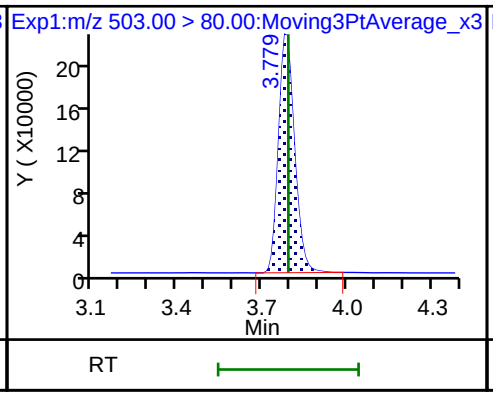
17 Perfluorooctanesulfonic acid (M)



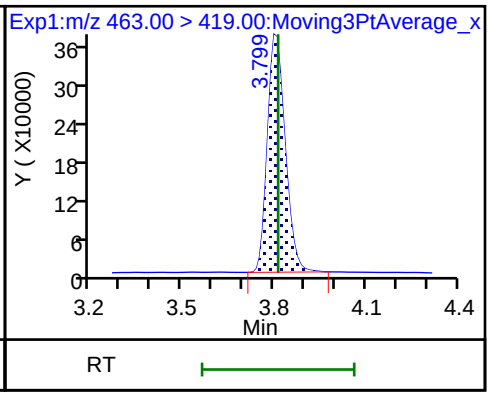
17 Perfluorooctanesulfonic acid (M)



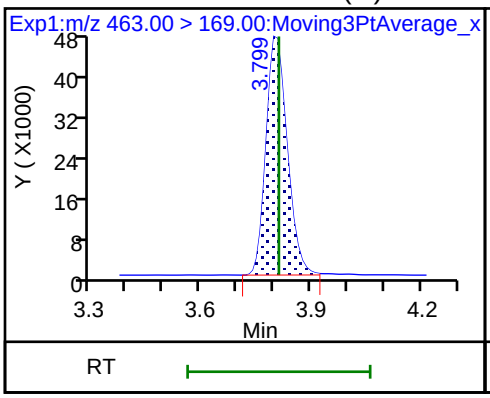
D 18 13C4 PFOS



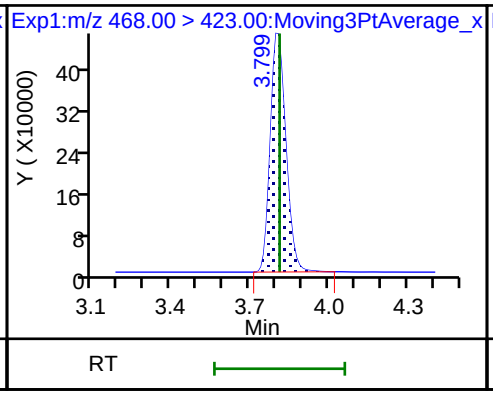
20 Perfluorononanoic acid



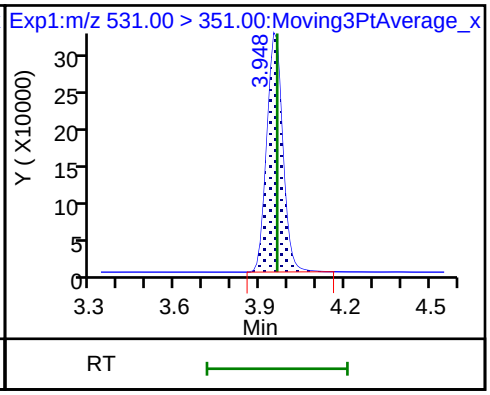
20 Perfluorononanoic acid (M)



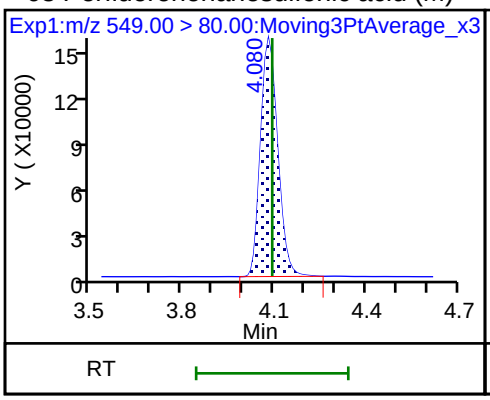
D 19 13C5 PFNA



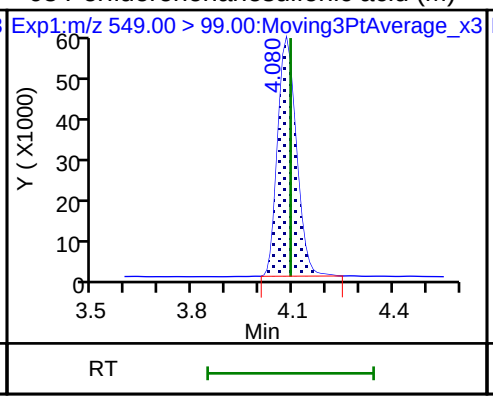
69 9-Chlorohexadecafluoro-3-oxanona



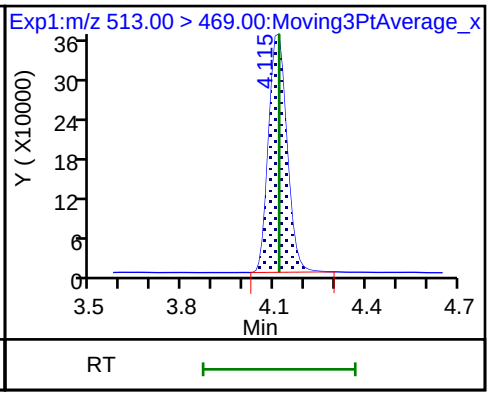
68 Perfluorononanesulfonic acid (M)



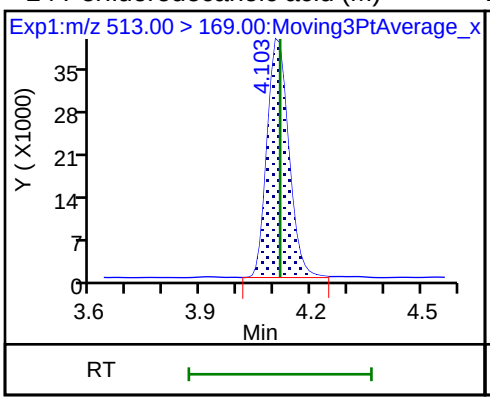
68 Perfluorononanesulfonic acid (M)



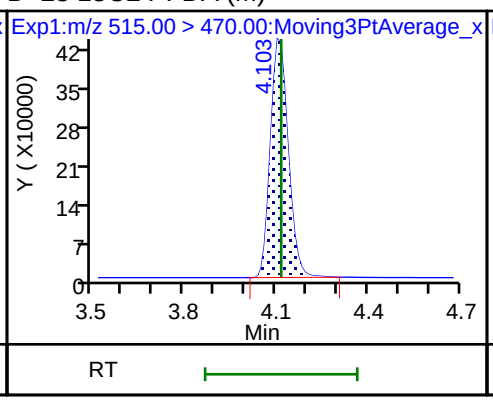
24 Perfluorodecanoic acid



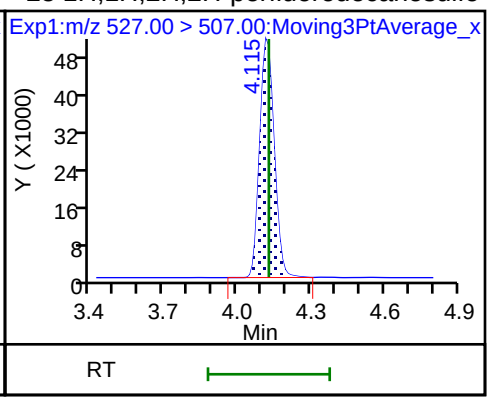
24 Perfluorodecanoic acid (M)



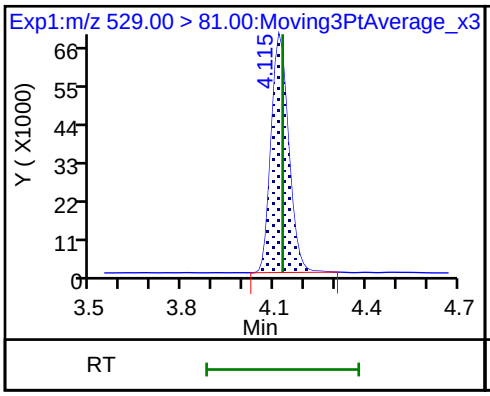
D 23 13C2 PFDA (M)



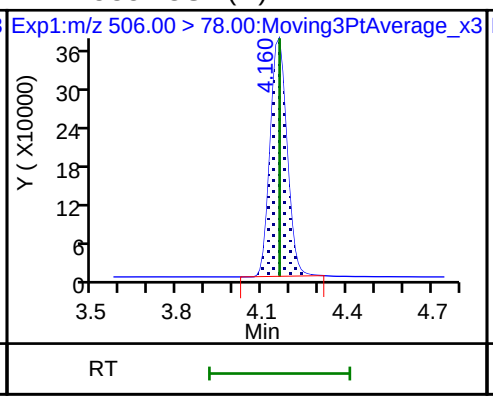
25 1H,1H,2H,2H-perfluorodecanesulfo



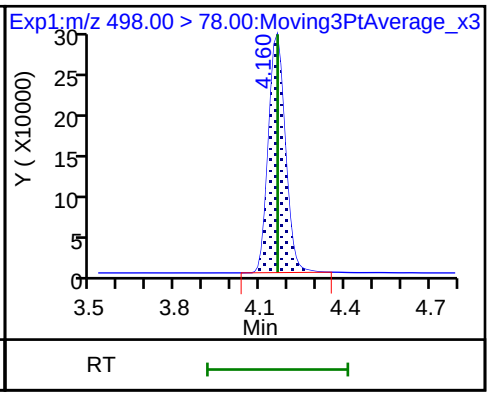
D 26 M2-8:2 FTS



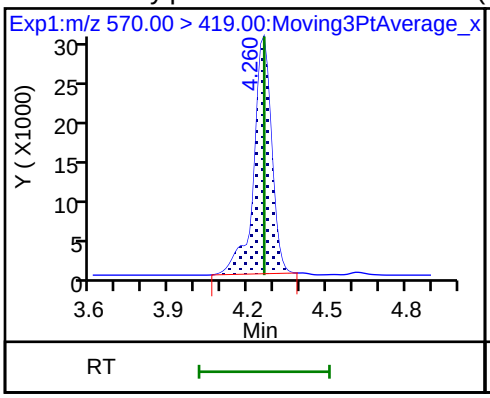
D 21 13C8 FOSA (M)



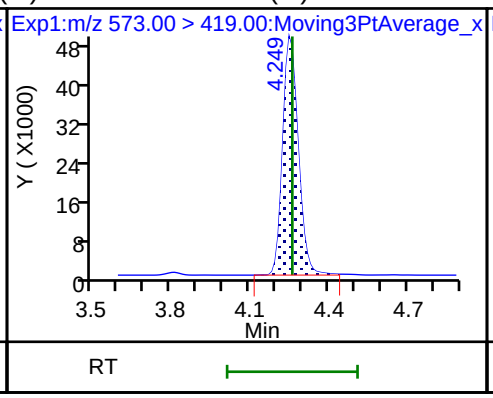
22 Perfluorooctanesulfonamide



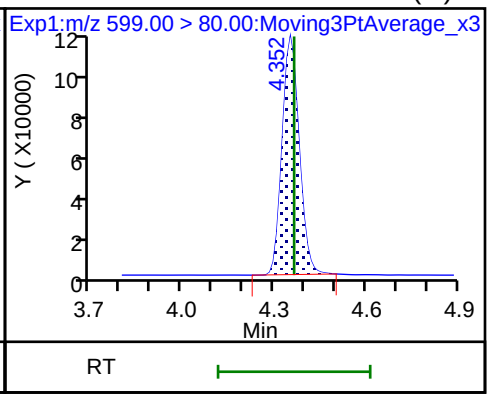
28 N-methylperfluorooctanesulfonami (M)



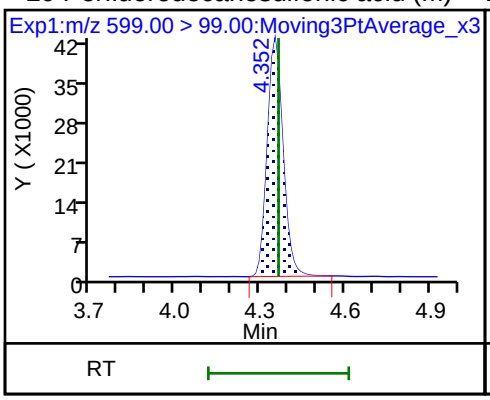
D 27 d3-NMeFOSAA (M)



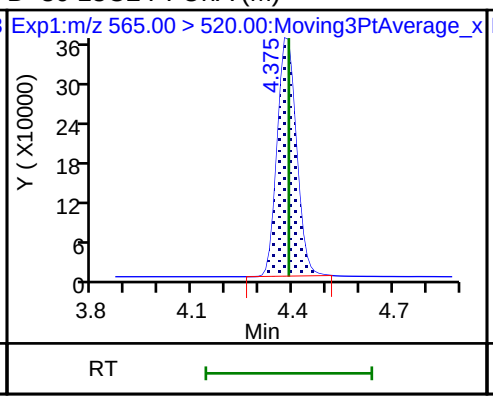
29 Perfluorodecanesulfonic acid (M)



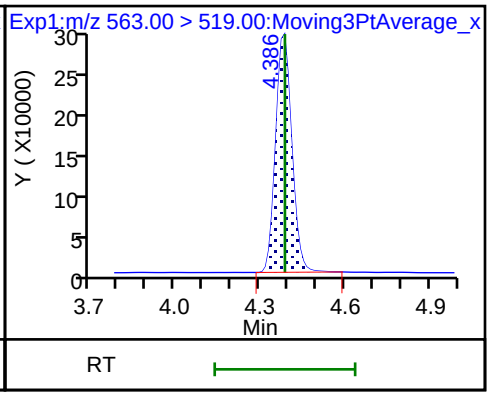
29 Perfluorodecanesulfonic acid (M)



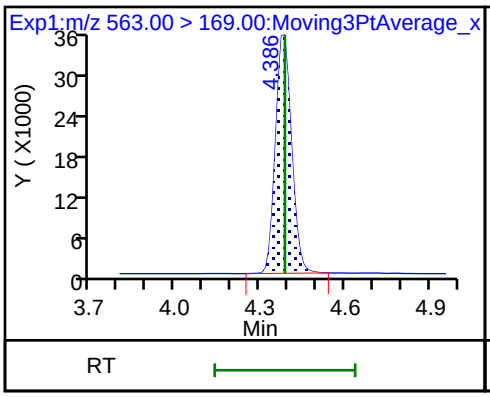
D 30 13C2 PFUnA (M)



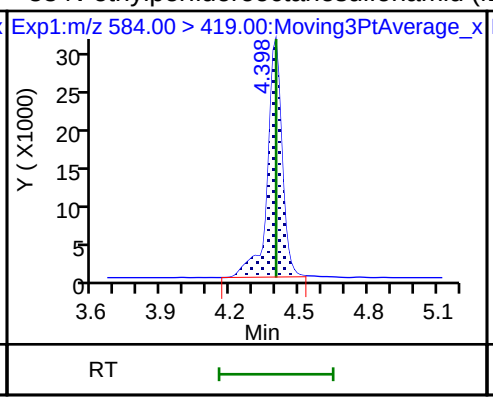
31 Perfluoroundecanoic acid



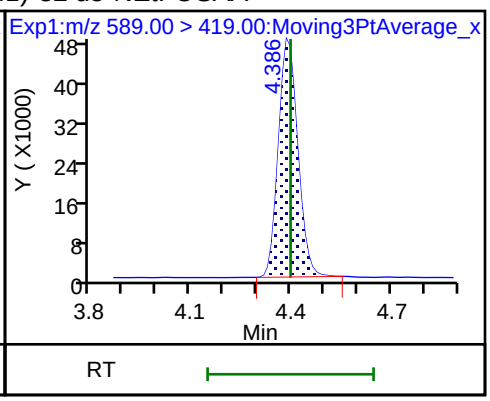
31 Perfluoroundecanoic acid



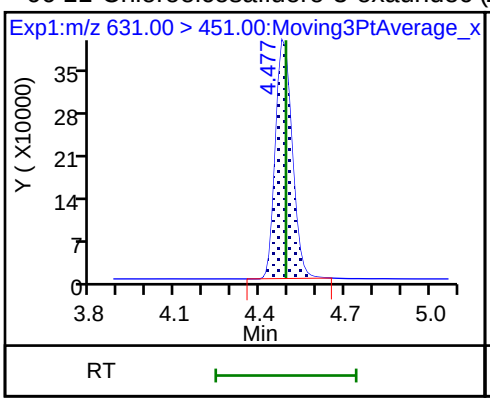
33 N-ethylperfluorooctanesulfonamid (M)



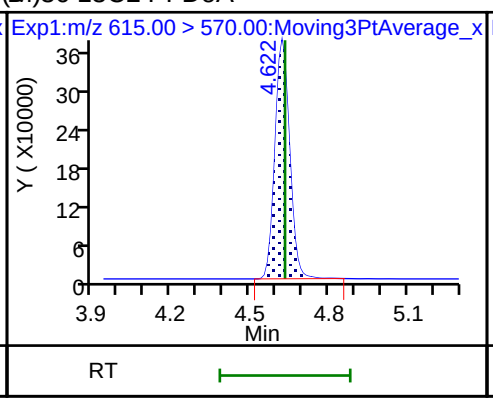
D 32 d5-NEtFOSAA



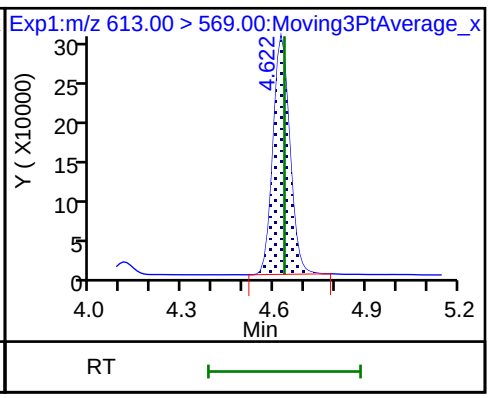
66 11-Chloroeicosafluoro-3-oxaundec (M)



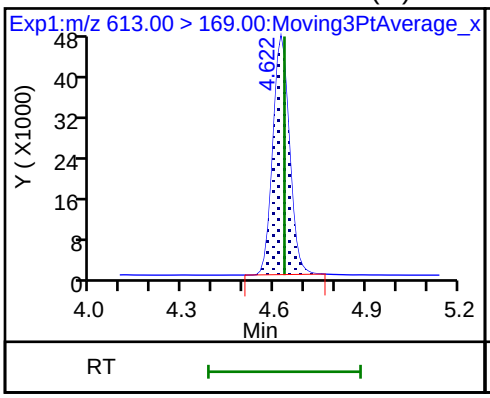
D 36 13C2 PFDoA



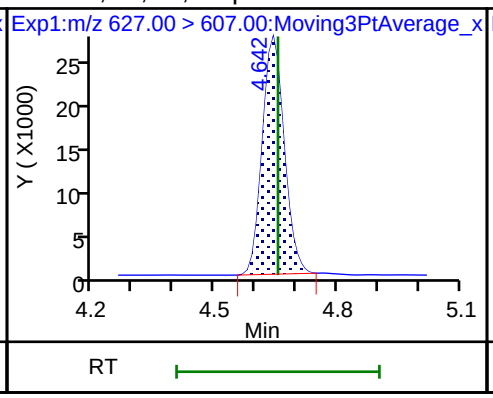
37 Perfluorododecanoic acid



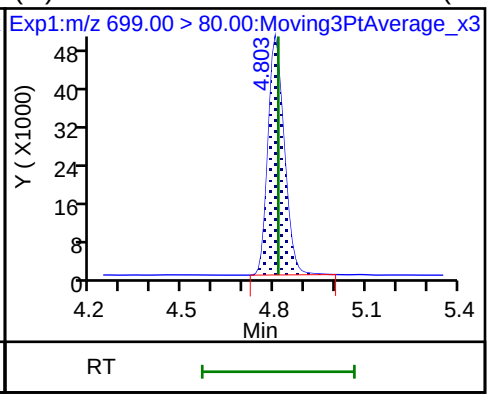
37 Perfluorododecanoic acid (M)



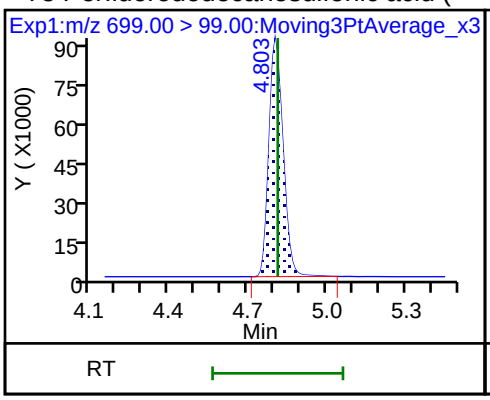
74 1H,1H,2H,2H-perfluorododecanesul (M)



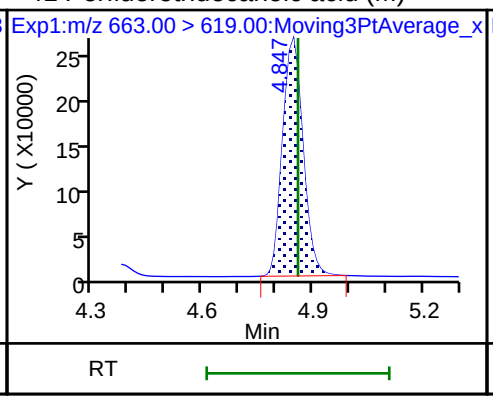
75 Perfluorododecanesulfonic acid (



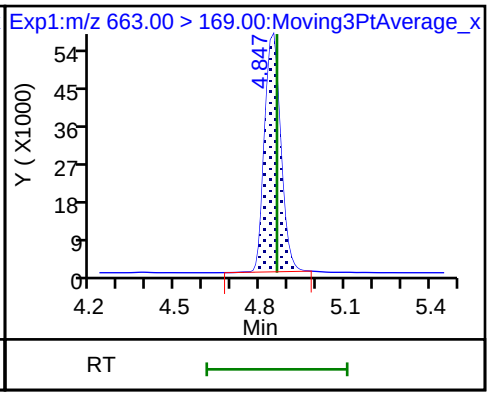
75 Perfluorododecanesulfonic acid (



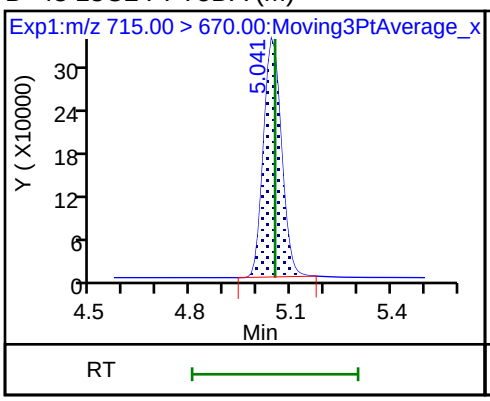
41 Perfluorotridecanoic acid (M)



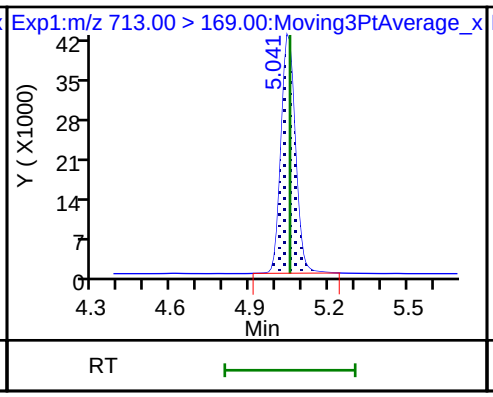
41 Perfluorotridecanoic acid



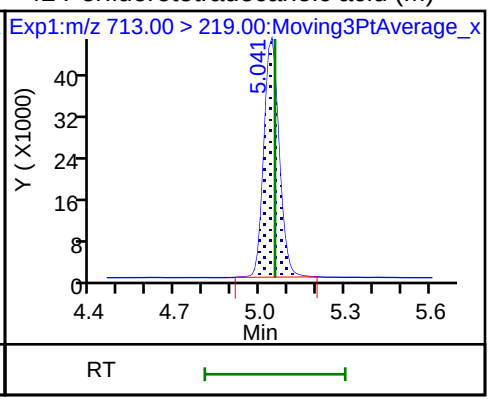
D 43 13C2 PFTeDA (M)



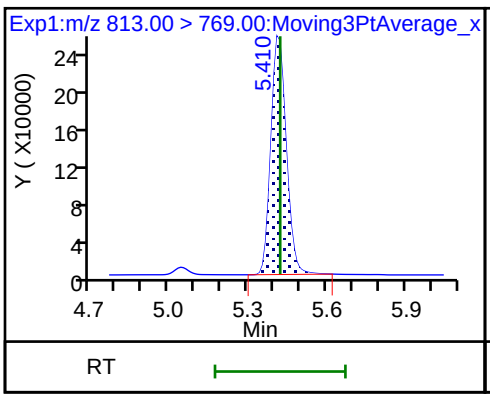
42 Perfluorotetradecanoic acid



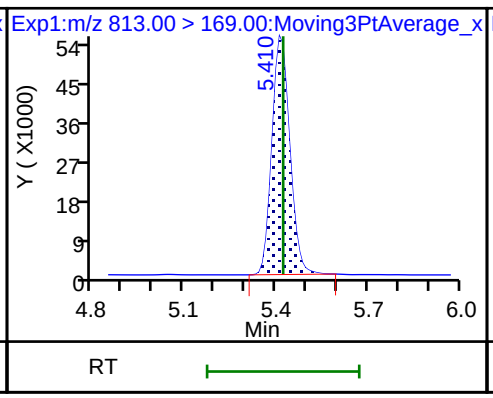
42 Perfluorotetradecanoic acid (M)



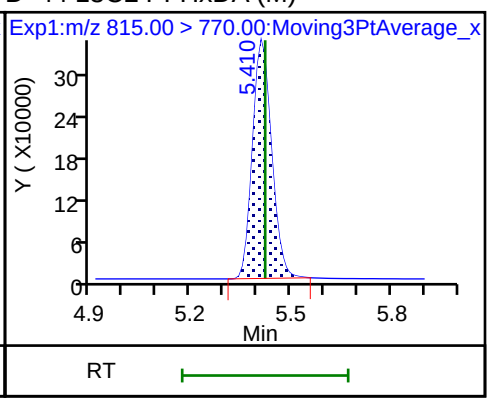
45 Perfluorohexadecanoic acid



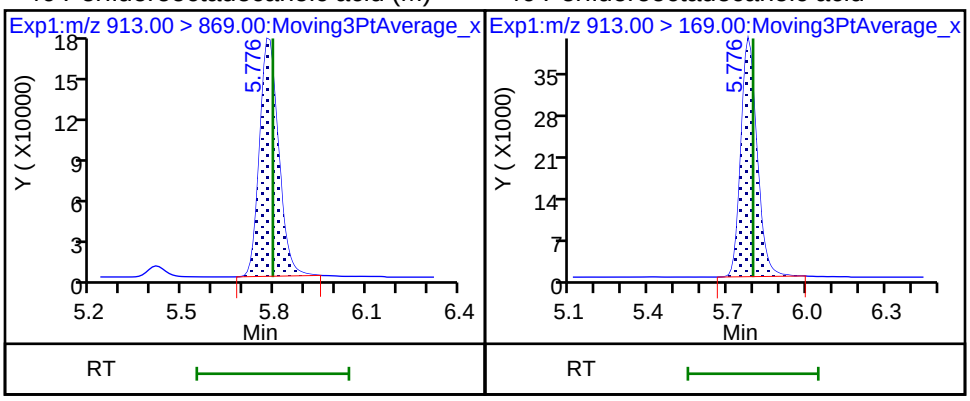
45 Perfluorohexadecanoic acid



D 44 13C2 PFHxDA (M)



46 Perfluorooctadecanoic acid (M) 46 Perfluorooctadecanoic acid



Manual Integration/User Assign Peak Report

Eurofins Burlington

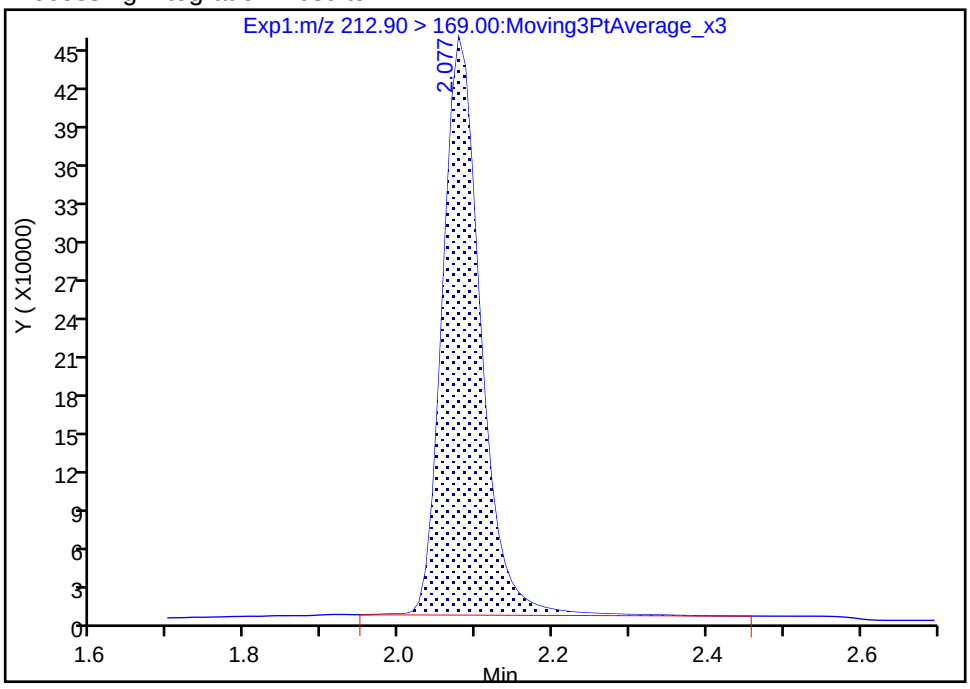
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Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

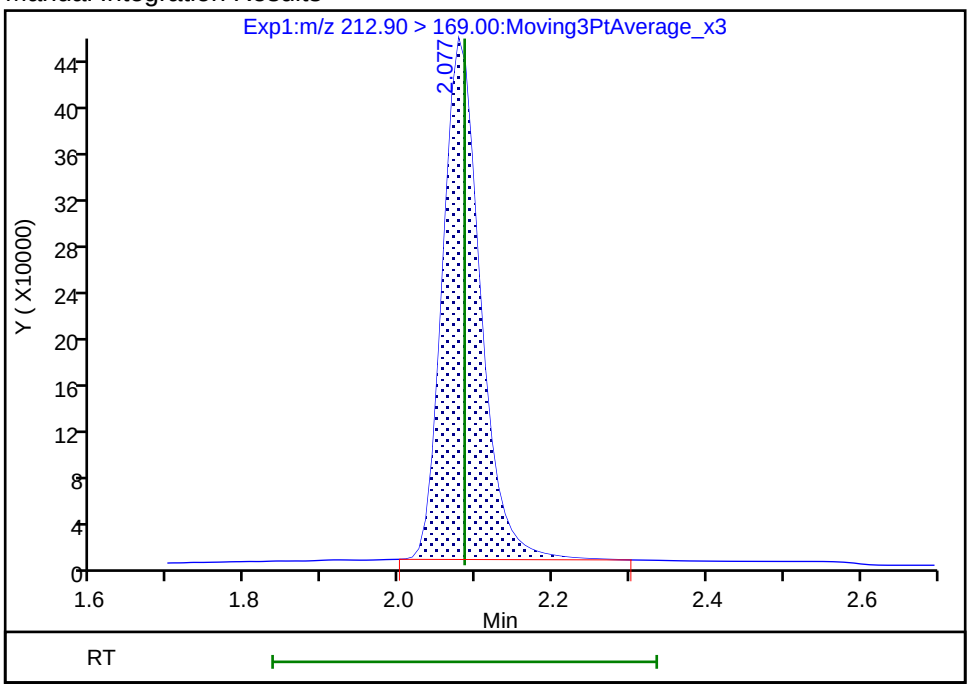
Processing Integration Results

RT: 2.08
Area: 1549550
Amount: 0.978020
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 1529310
Amount: 0.965245
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:13:48
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

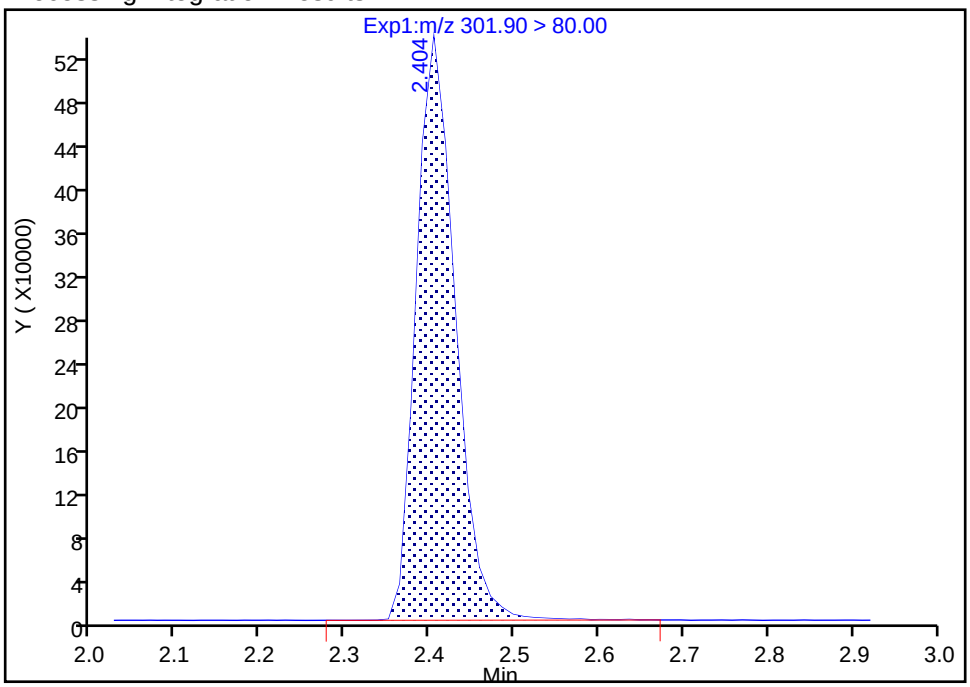
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Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

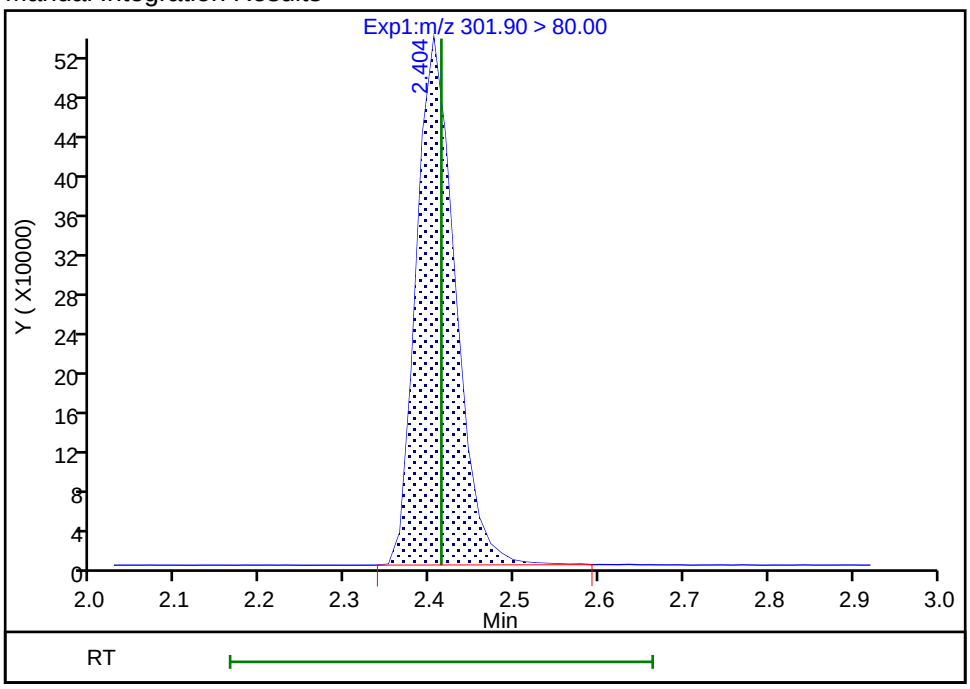
Processing Integration Results

RT: 2.40
Area: 1706936
Amount: 1.144094
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 1702851
Amount: 1.141356
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:12:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

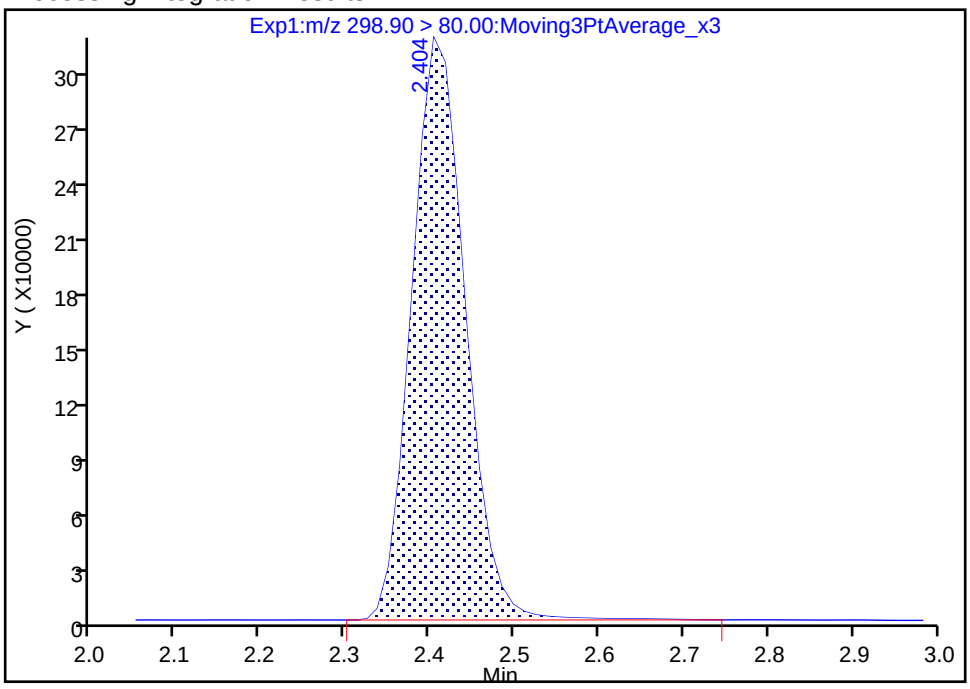
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Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

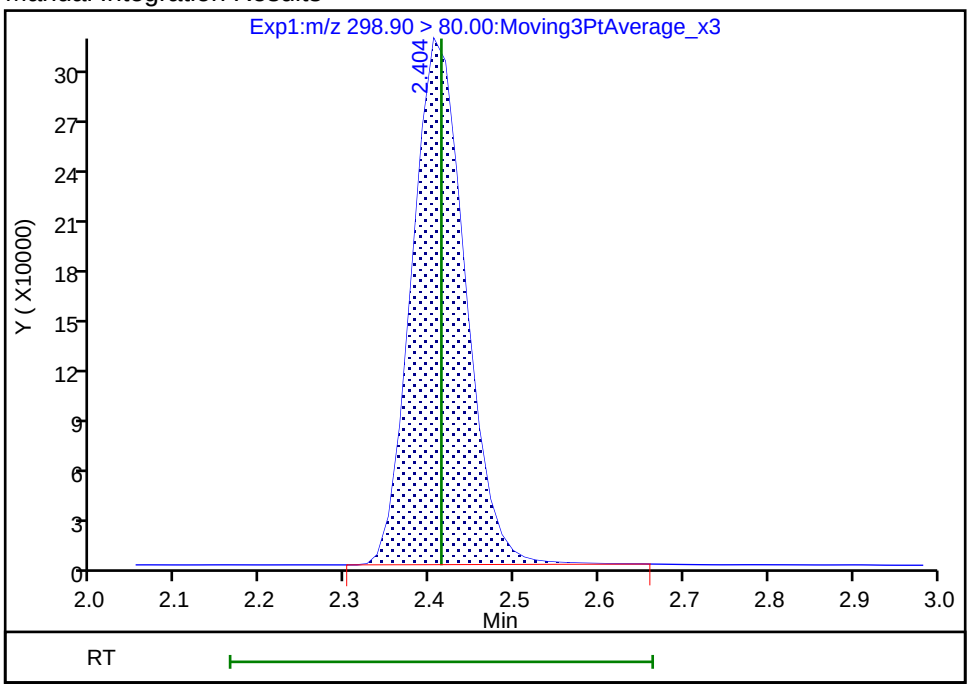
Processing Integration Results

RT: 2.40
Area: 1382422
Amount: 0.854967
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 1376426
Amount: 0.851259
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 07:59:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

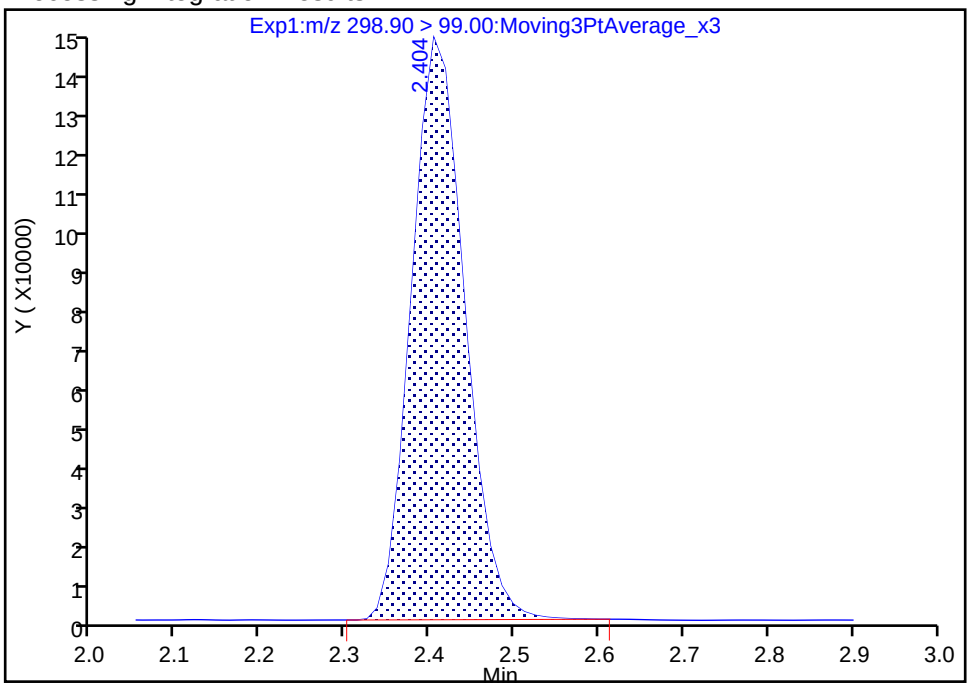
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Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

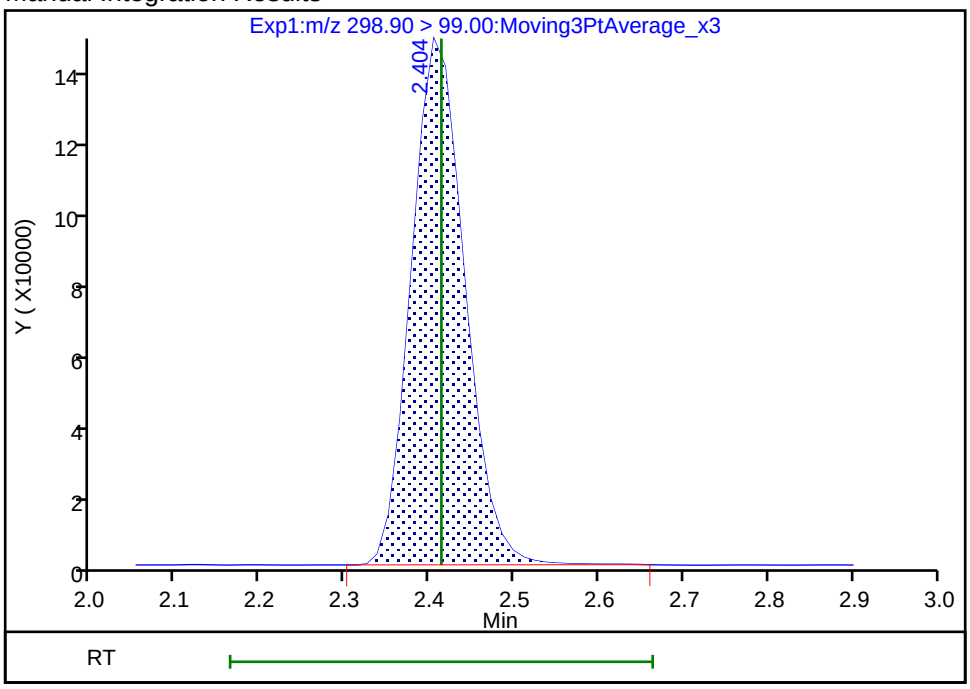
Processing Integration Results

RT: 2.40
Area: 632583
Amount: 0.854967
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 634147
Amount: 0.851259
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 07:59:53
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

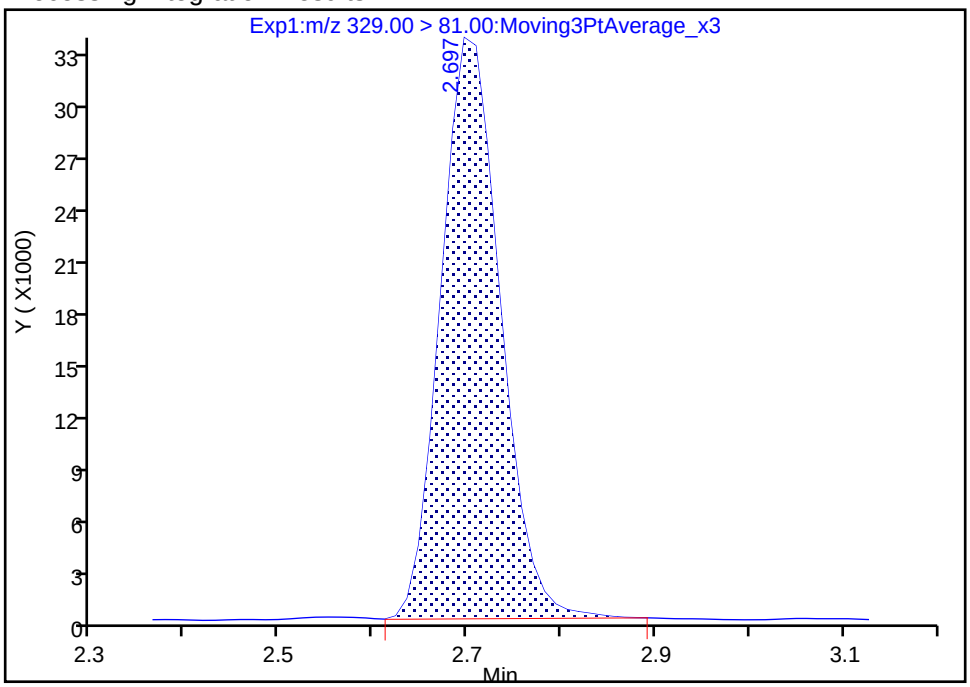
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d
Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

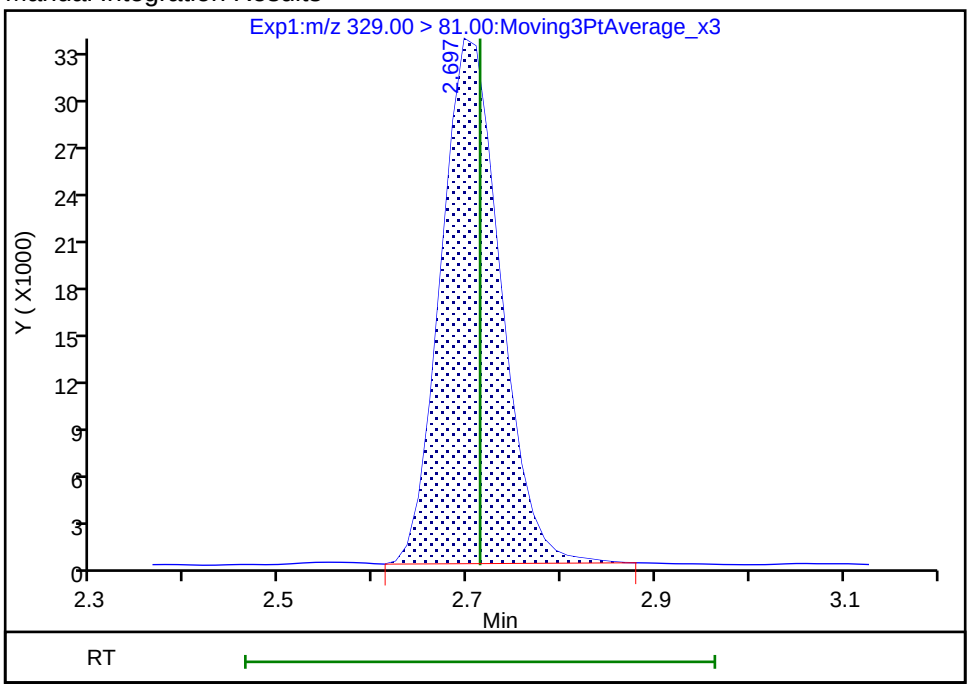
Processing Integration Results

RT: 2.70
Area: 145174
Amount: 1.130275
Amount Units: ng/ml



Manual Integration Results

RT: 2.70
Area: 144971
Amount: 1.128694
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:12:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

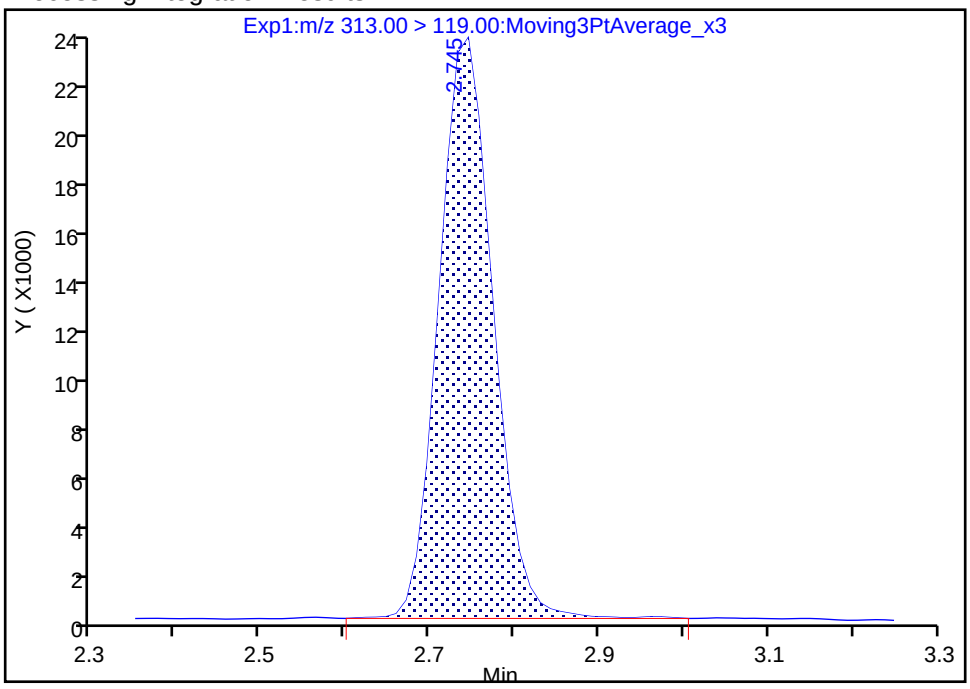
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Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

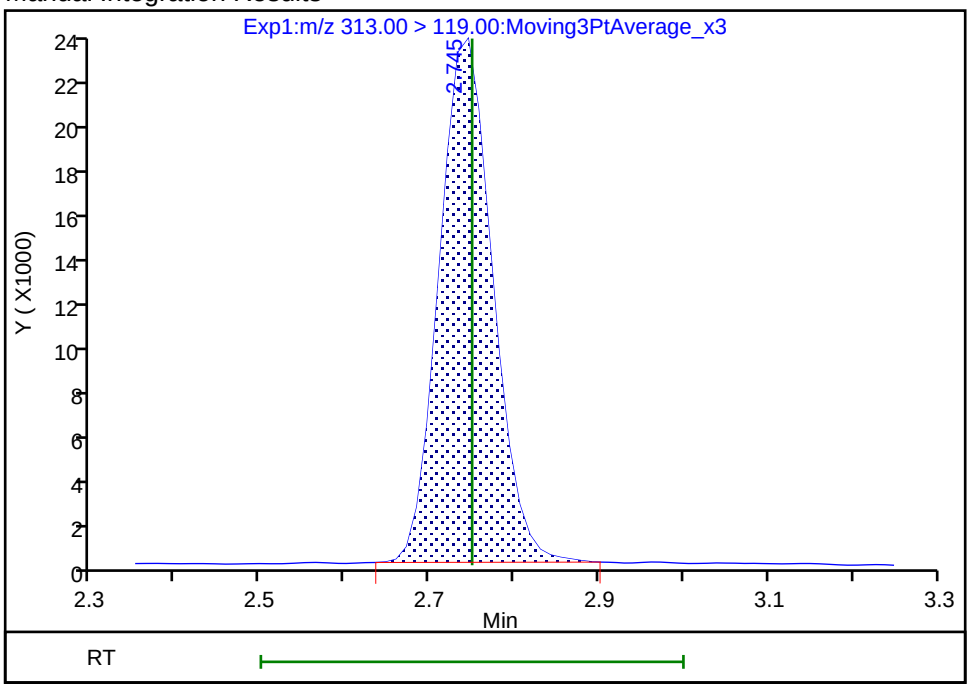
Processing Integration Results

RT: 2.75
Area: 103553
Amount: 0.990891
Amount Units: ng/ml



Manual Integration Results

RT: 2.75
Area: 102394
Amount: 0.986725
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:14:02
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

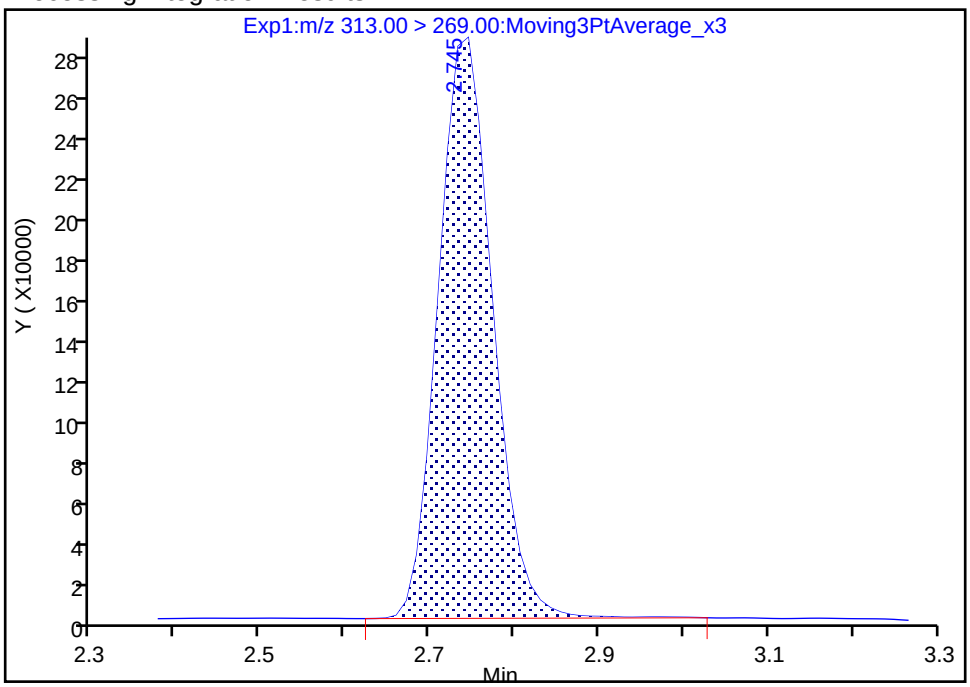
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d
Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

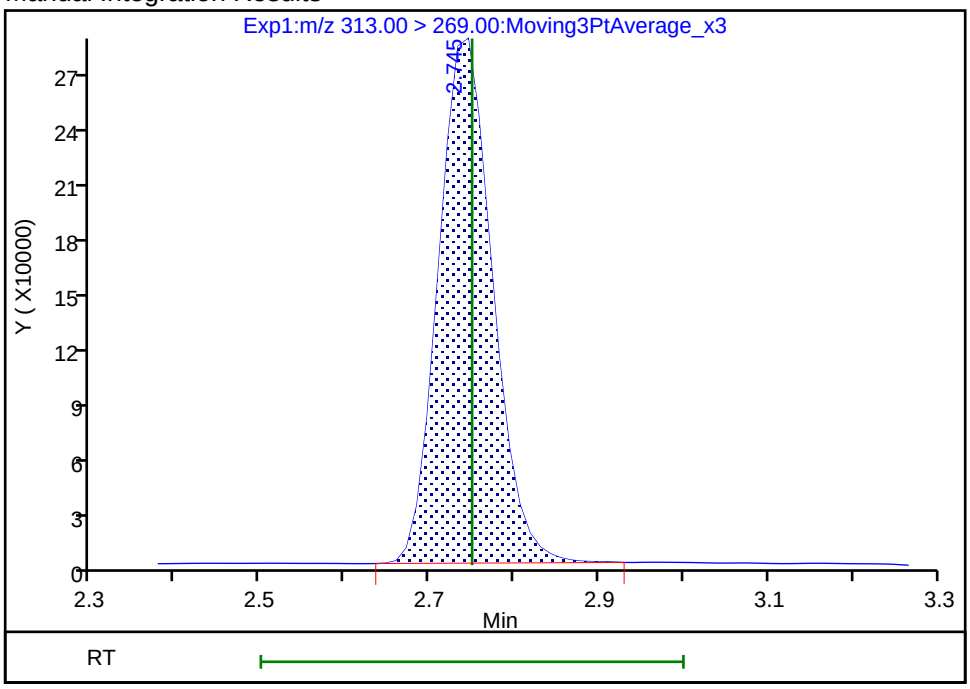
Processing Integration Results

RT: 2.75
Area: 1286303
Amount: 0.990891
Amount Units: ng/ml



Manual Integration Results

RT: 2.75
Area: 1280894
Amount: 0.986725
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:14:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

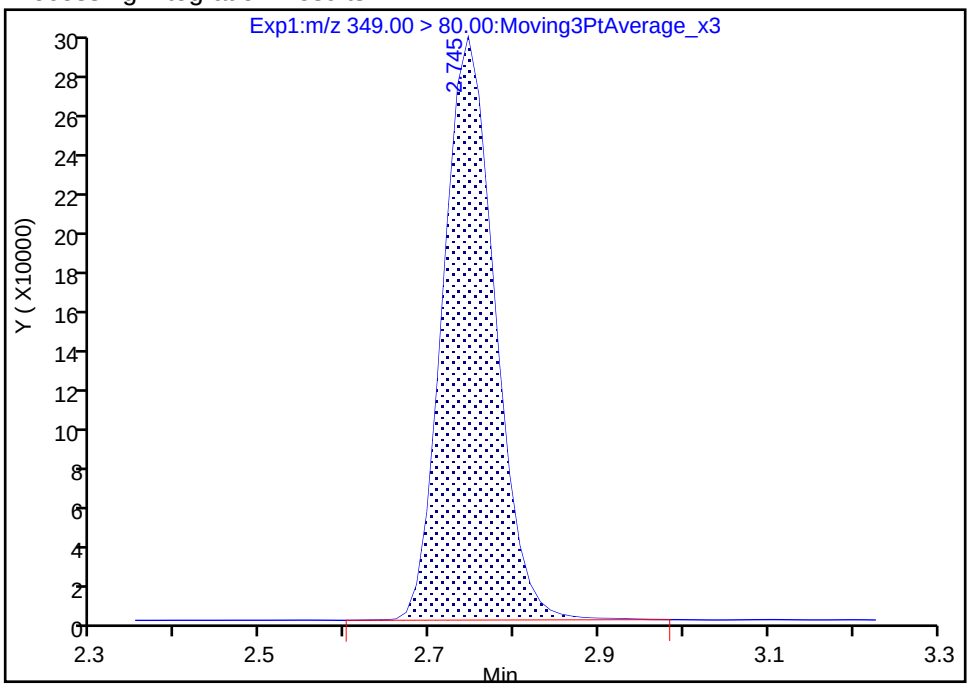
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d				
Injection Date:	04-Aug-2022 14:01:09	Instrument ID:	LC812		
Lims ID:	CCV L4				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

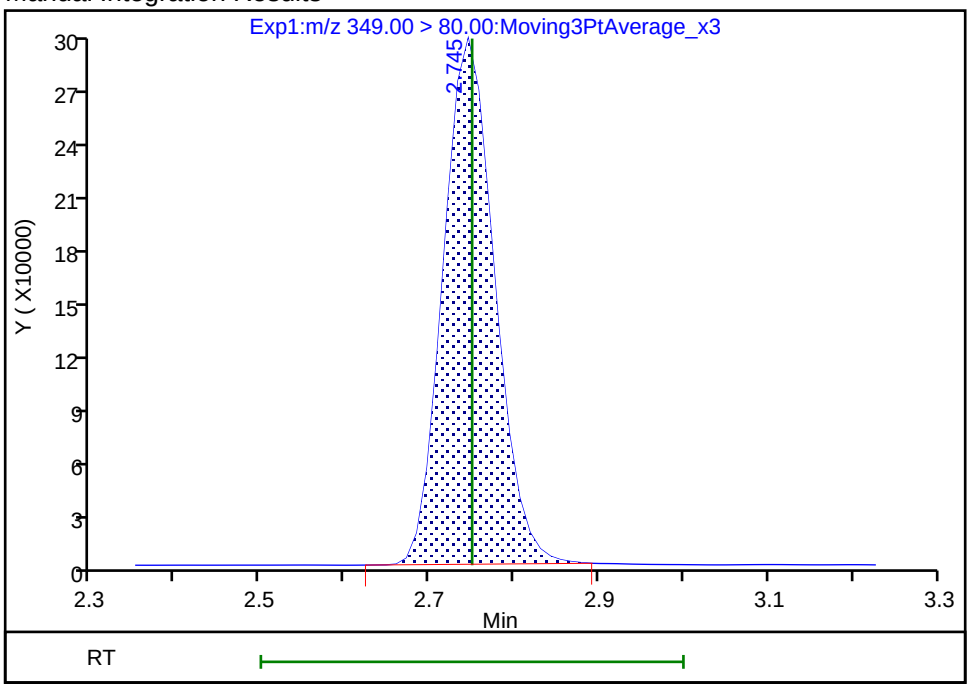
Processing Integration Results

RT: 2.75
Area: 1244287
Amount: 0.930631
Amount Units: ng/ml



Manual Integration Results

RT: 2.75
Area: 1235437
Amount: 0.928116
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:00:03

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

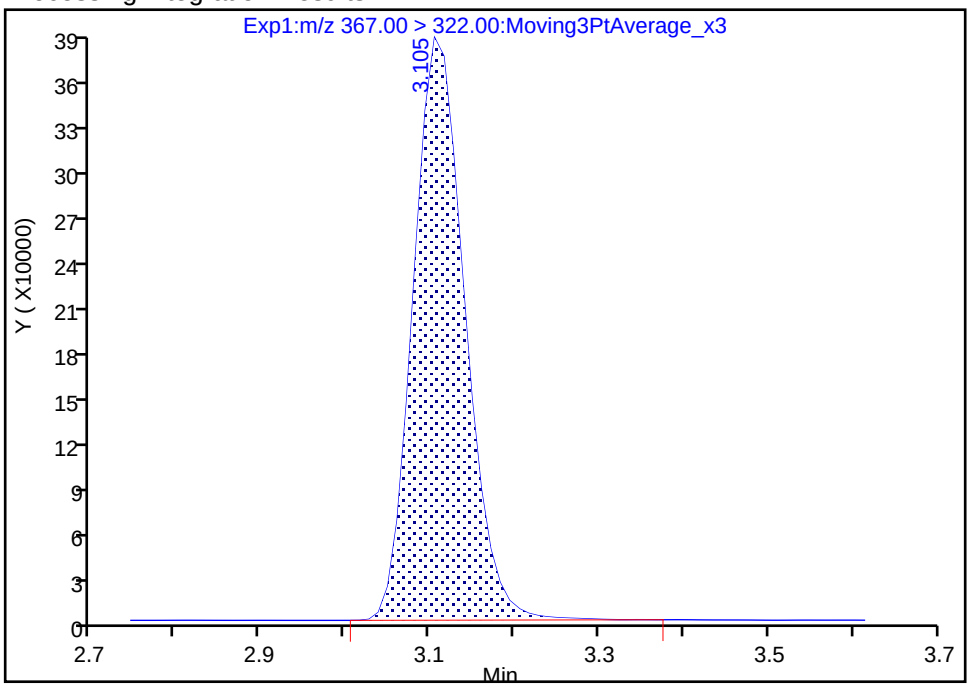
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d
Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 9 13C4 PFHpA, CAS: STL01892

Signal: 1

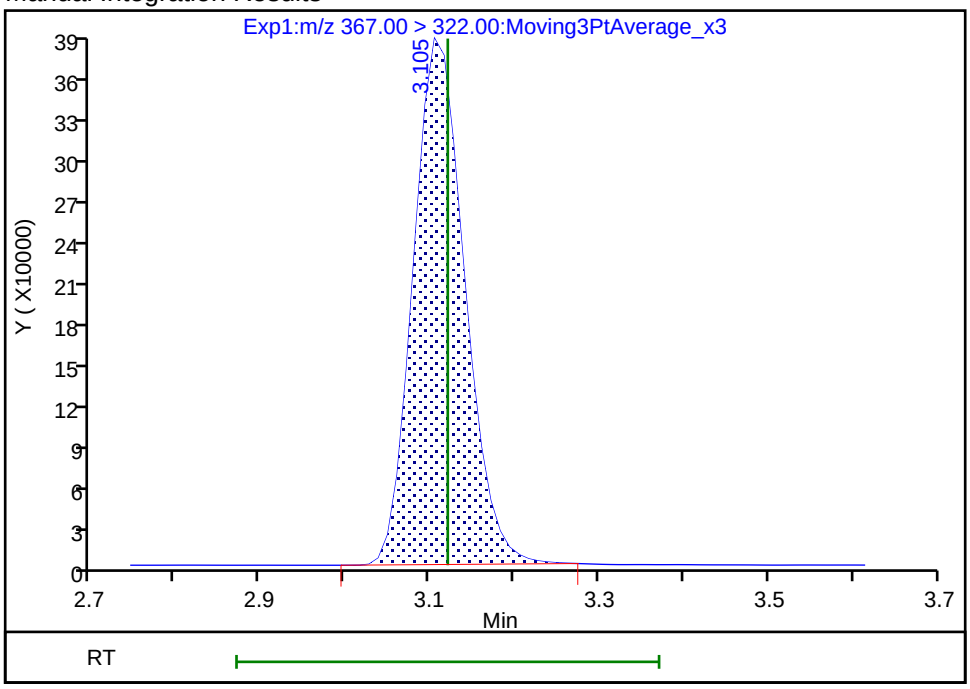
Processing Integration Results

RT: 3.11
Area: 1622686
Amount: 1.215245
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 1613114
Amount: 1.208077
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:05:09
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

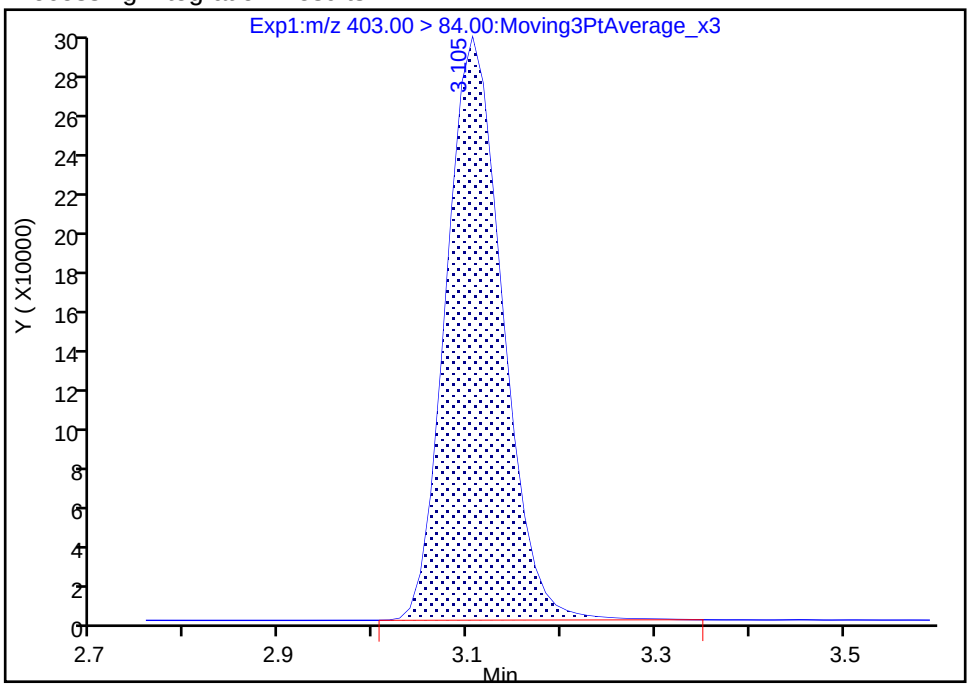
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d
Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 11 18O2 PFHxS, CAS: STL00994

Signal: 1

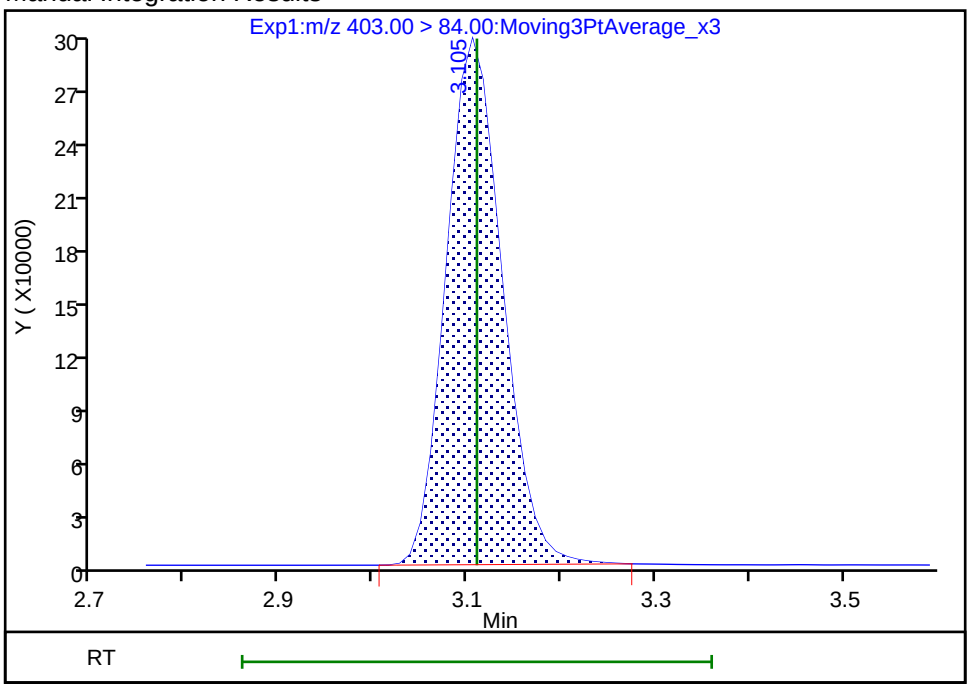
Processing Integration Results

RT: 3.11
Area: 1219384
Amount: 1.162083
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 1213992
Amount: 1.156945
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:00:09
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

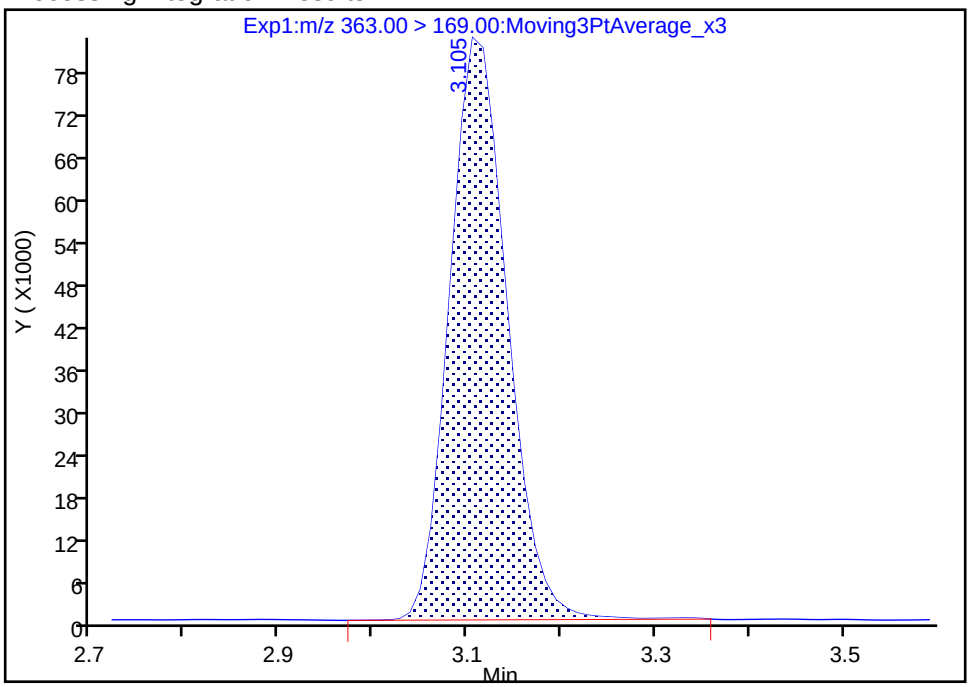
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d
Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

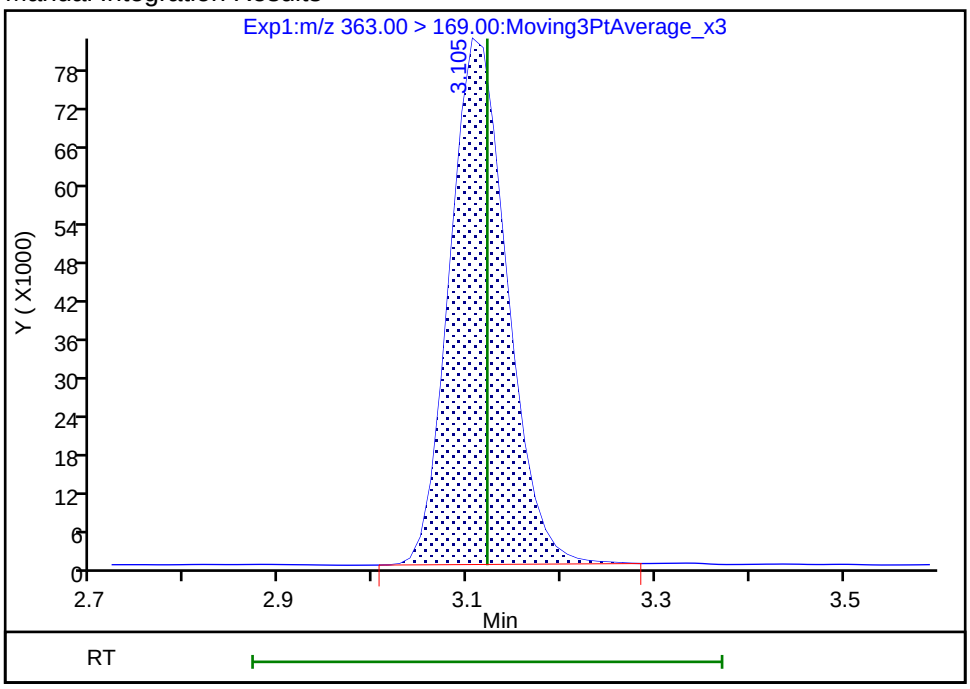
Processing Integration Results

RT: 3.11
Area: 350206
Amount: 0.973297
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 348570
Amount: 0.975703
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:14:51
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

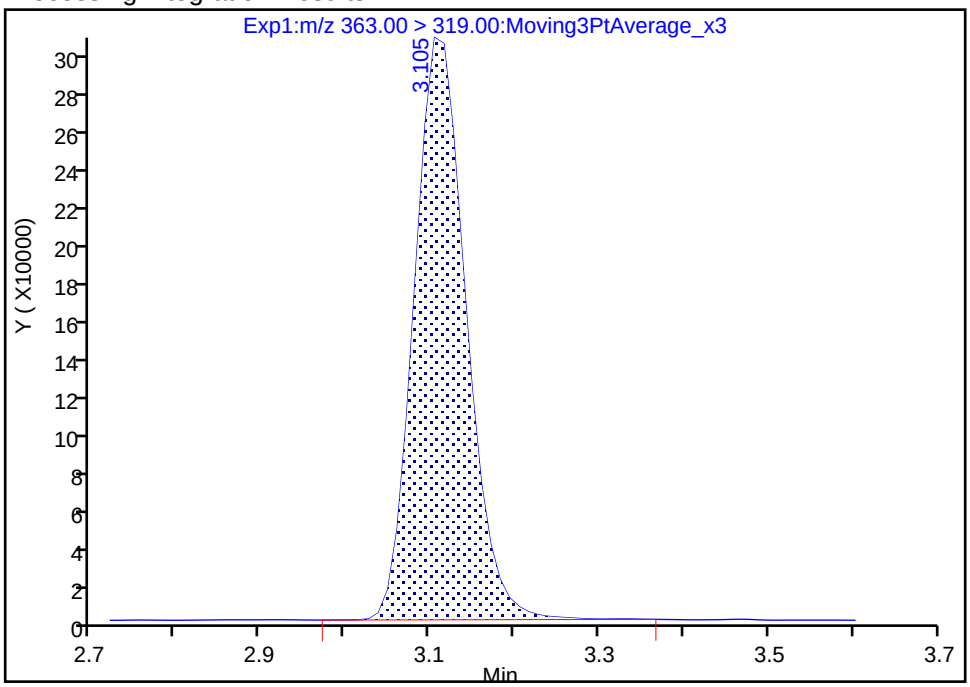
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d
Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

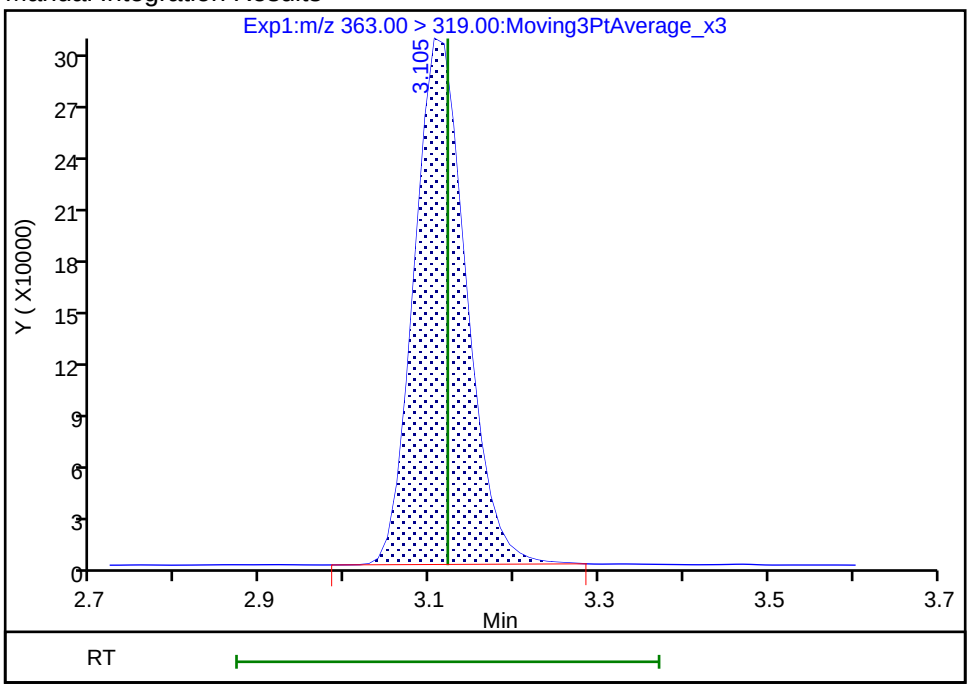
Processing Integration Results

RT: 3.11
Area: 1302146
Amount: 0.973297
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 1297665
Amount: 0.975703
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:00:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

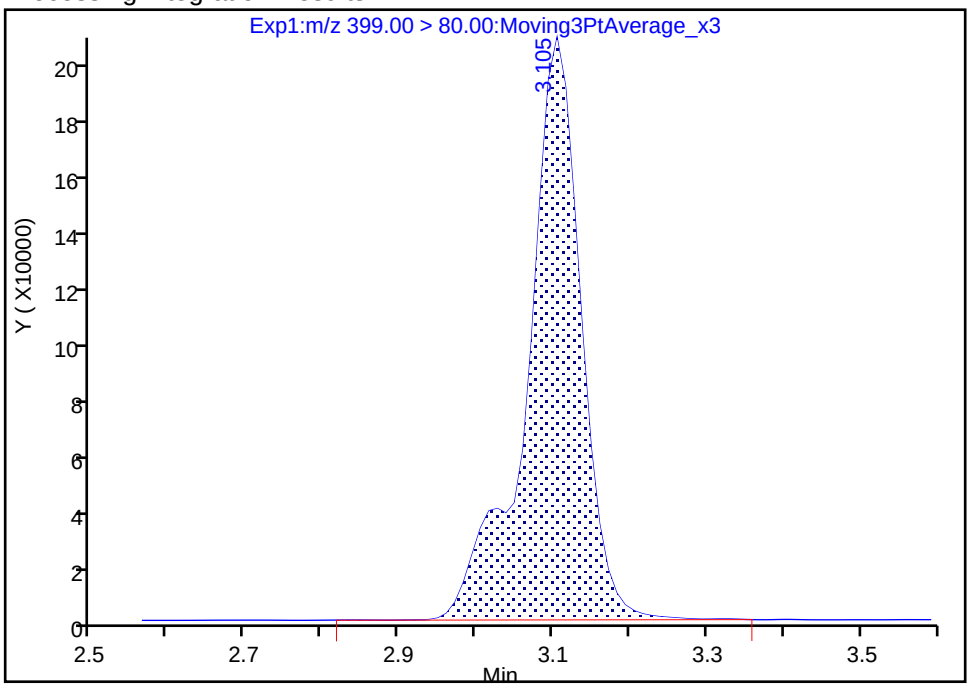
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d
Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

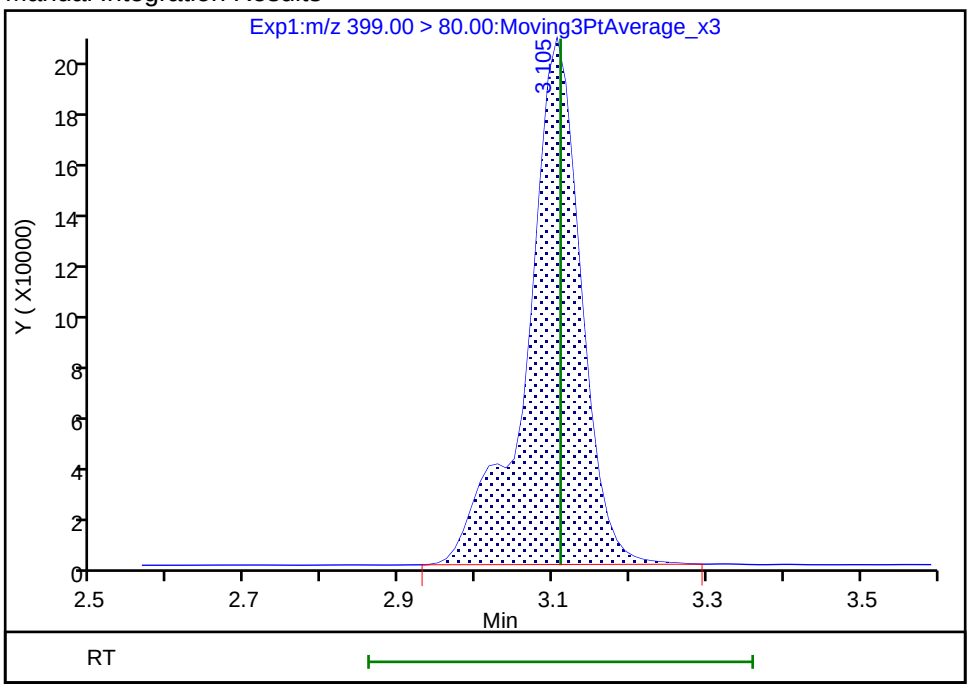
Processing Integration Results

RT: 3.11
Area: 1002931
Amount: 0.881819
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 999207
Amount: 0.882447
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:14:41
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

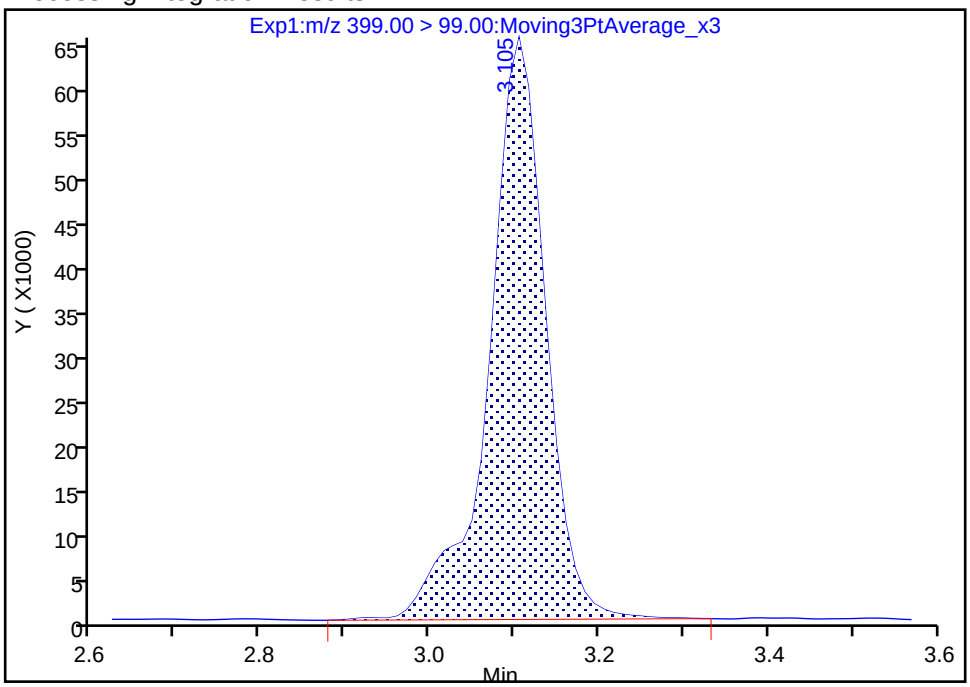
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d
Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

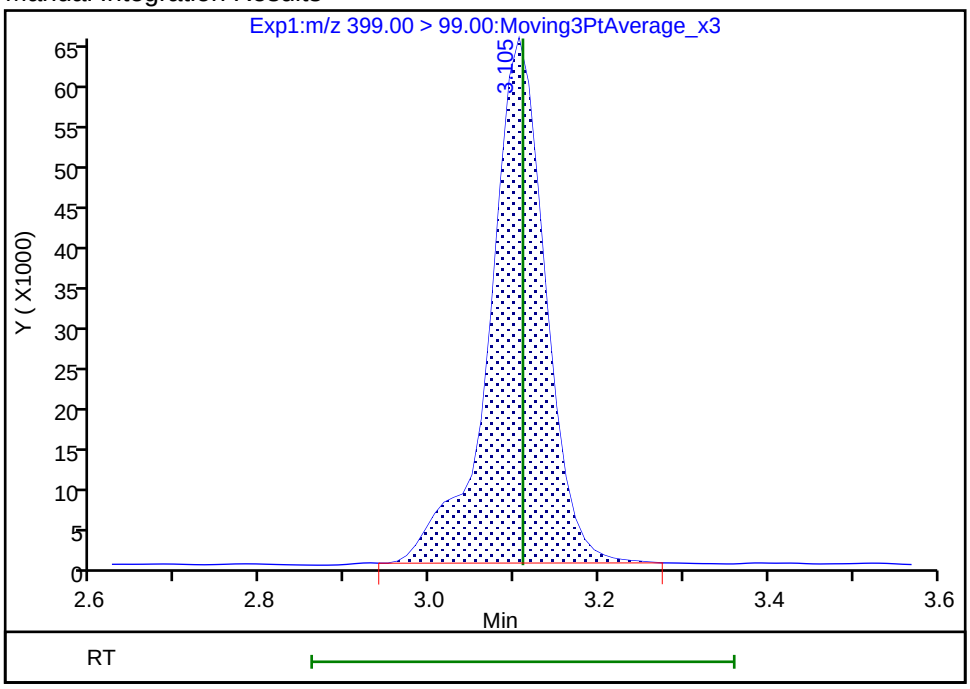
Processing Integration Results

RT: 3.11
Area: 304694
Amount: 0.881819
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 300518
Amount: 0.882447
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:14:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

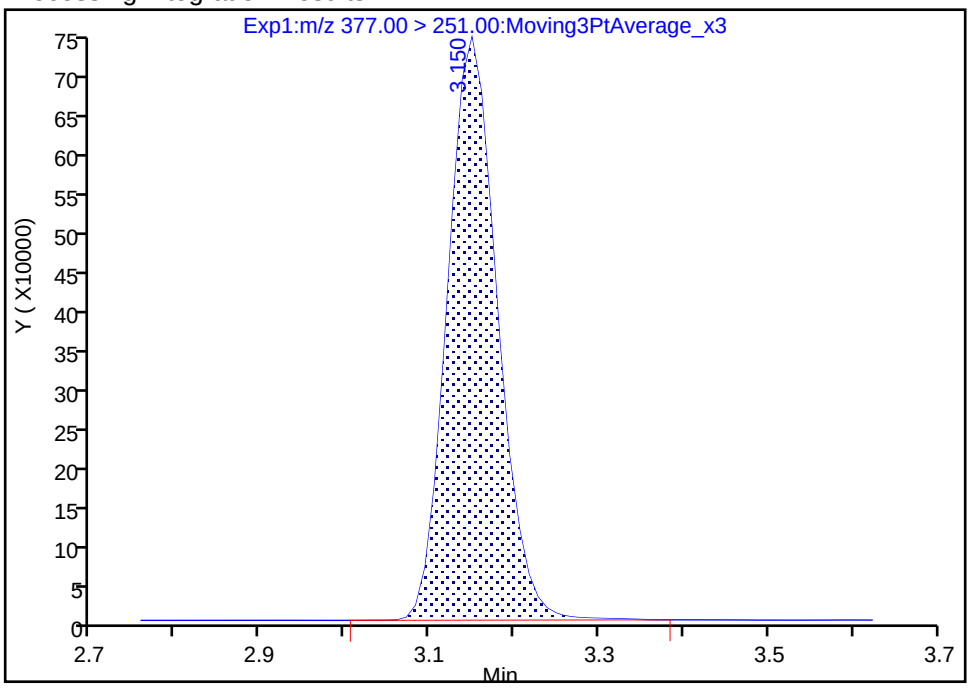
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d
Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

77 DONA, CAS: 919005-14-4

Signal: 1

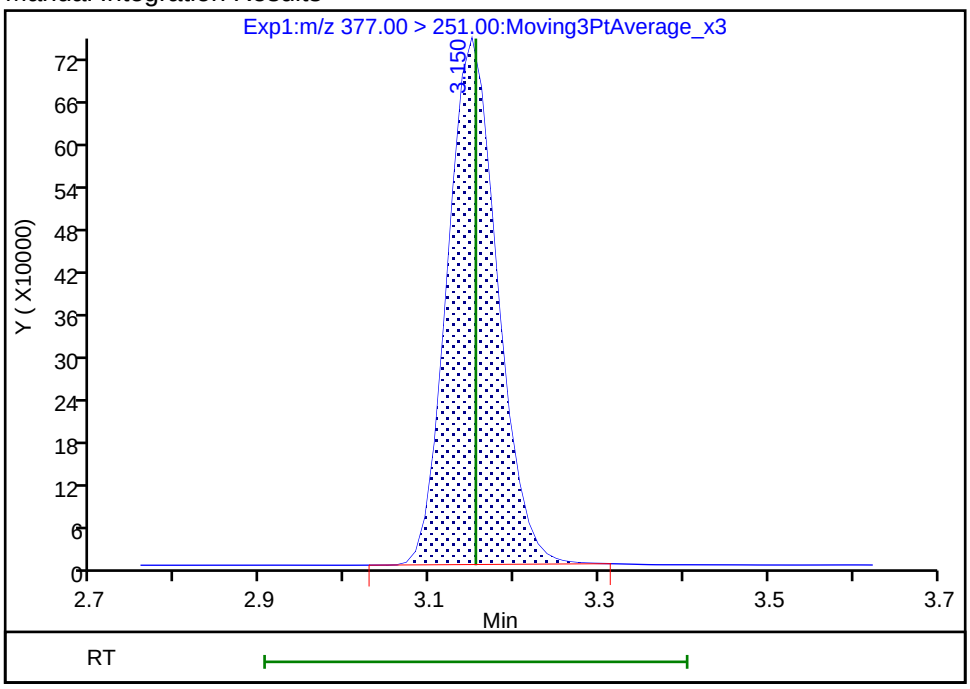
Processing Integration Results

RT: 3.15
Area: 3043728
Amount: 0.979262
Amount Units: ng/ml



Manual Integration Results

RT: 3.15
Area: 3026457
Amount: 0.973705
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:00:31
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

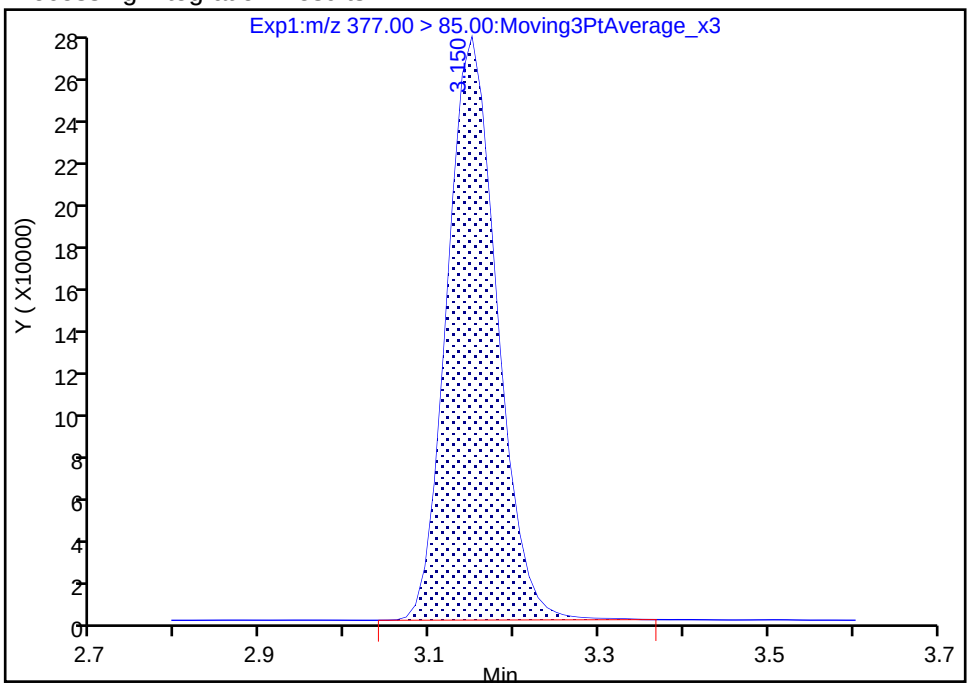
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d
Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

77 DONA, CAS: 919005-14-4

Signal: 2

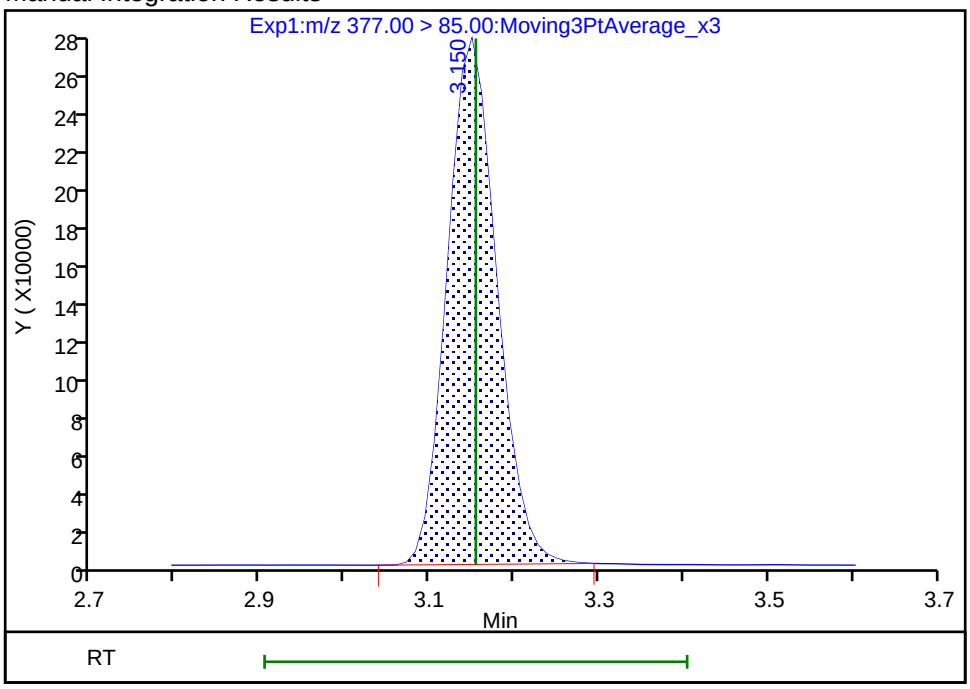
Processing Integration Results

RT: 3.15
Area: 1112691
Amount: 0.979262
Amount Units: ng/ml



Manual Integration Results

RT: 3.15
Area: 1106337
Amount: 0.973705
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:00:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

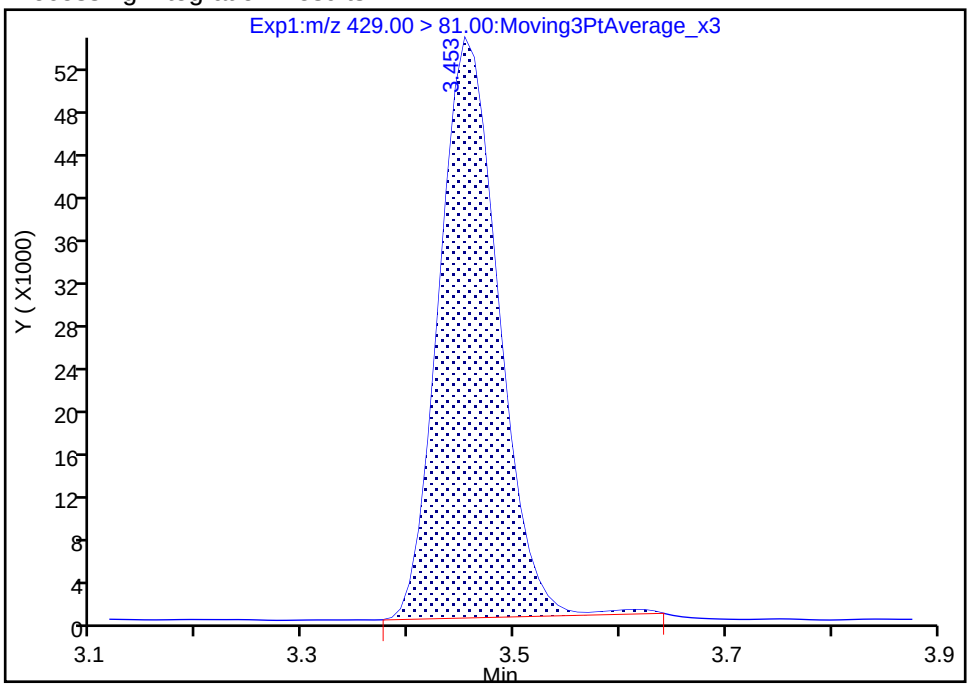
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d				
Injection Date:	04-Aug-2022 14:01:09	Instrument ID:	LC812		
Lims ID:	CCV L4				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

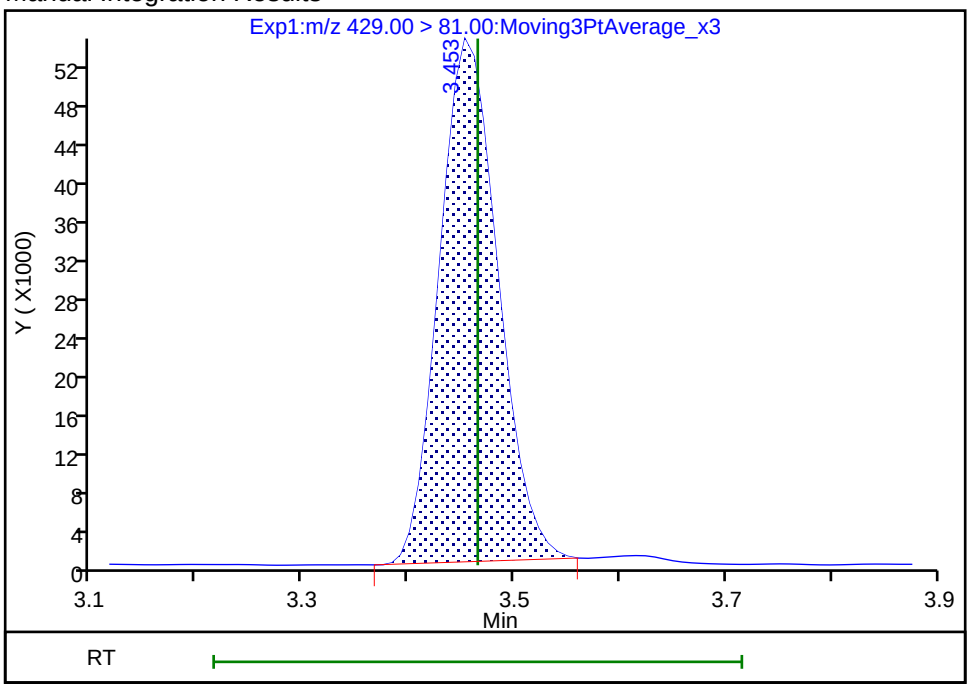
Processing Integration Results

RT: 3.45
Area: 213251
Amount: 1.214244
Amount Units: ng/ml



Manual Integration Results

RT: 3.45
Area: 210062
Amount: 1.196085
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:00:50

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

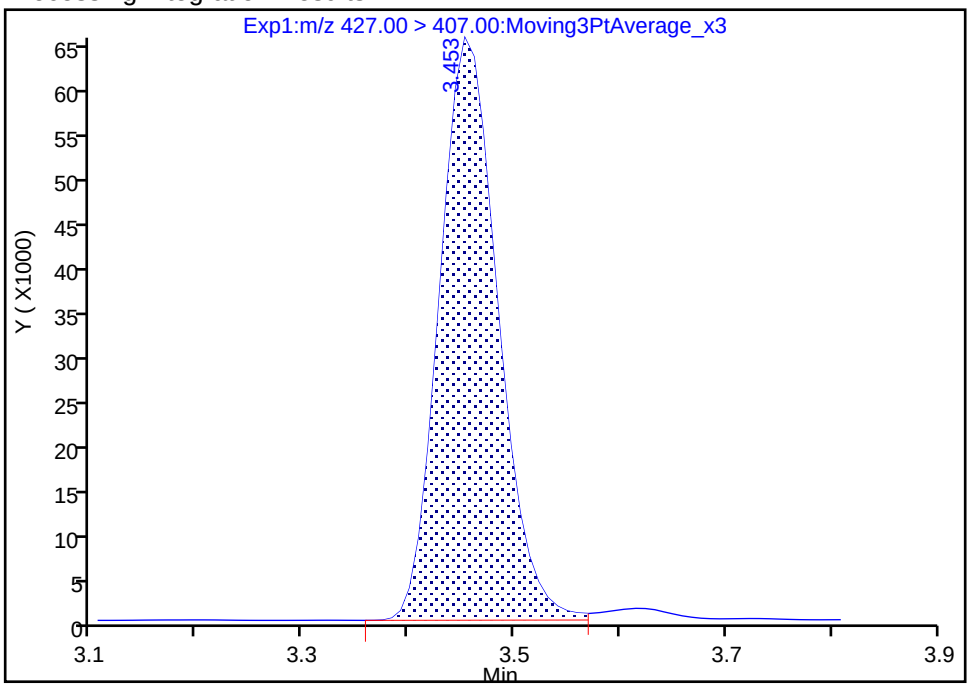
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d
Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

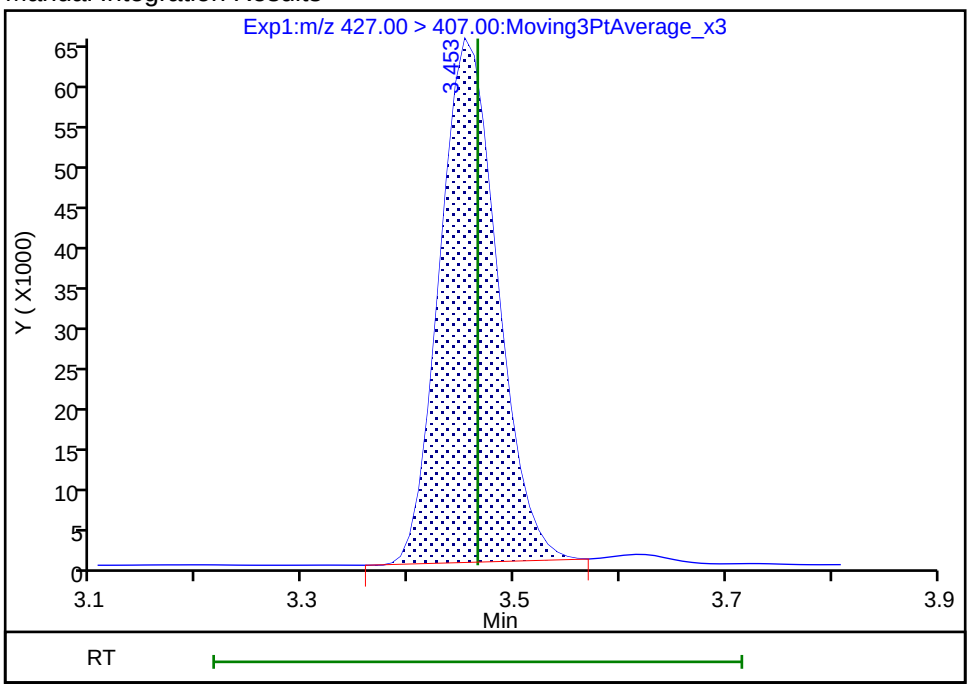
Processing Integration Results

RT: 3.45
Area: 252098
Amount: 0.961190
Amount Units: ng/ml



Manual Integration Results

RT: 3.45
Area: 247463
Amount: 0.943209
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:00:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

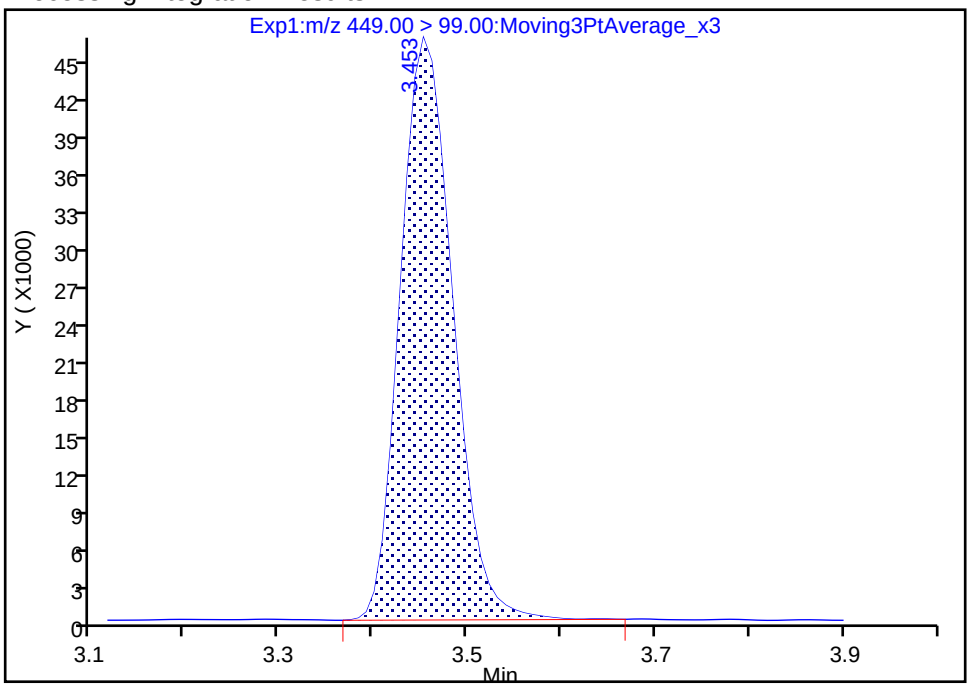
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d
Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

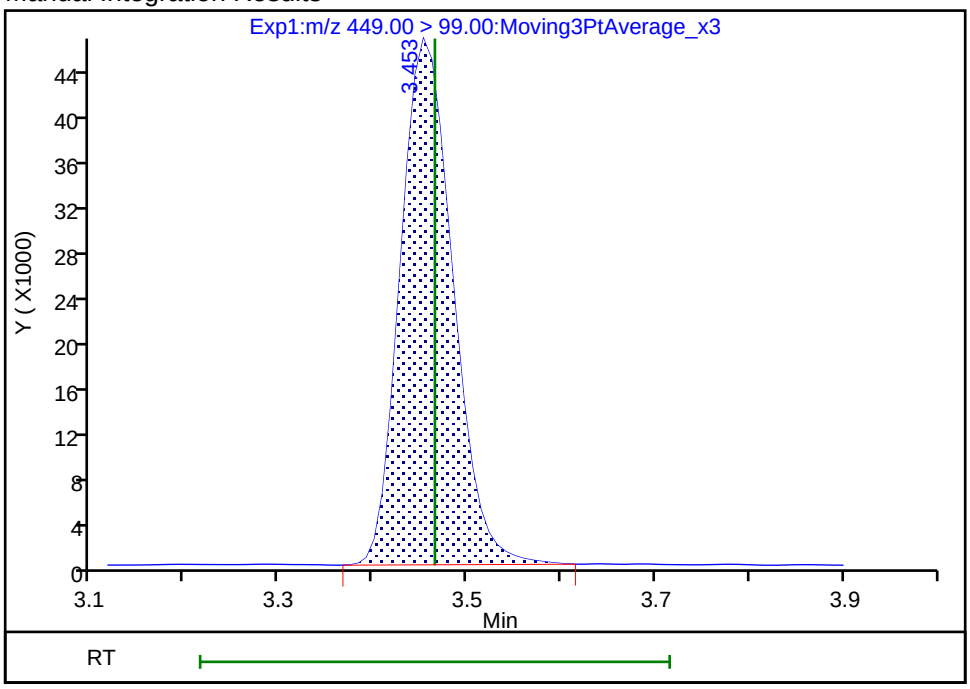
Processing Integration Results

RT: 3.45
Area: 181654
Amount: 0.923686
Amount Units: ng/ml



Manual Integration Results

RT: 3.45
Area: 181399
Amount: 0.916068
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:15:03
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

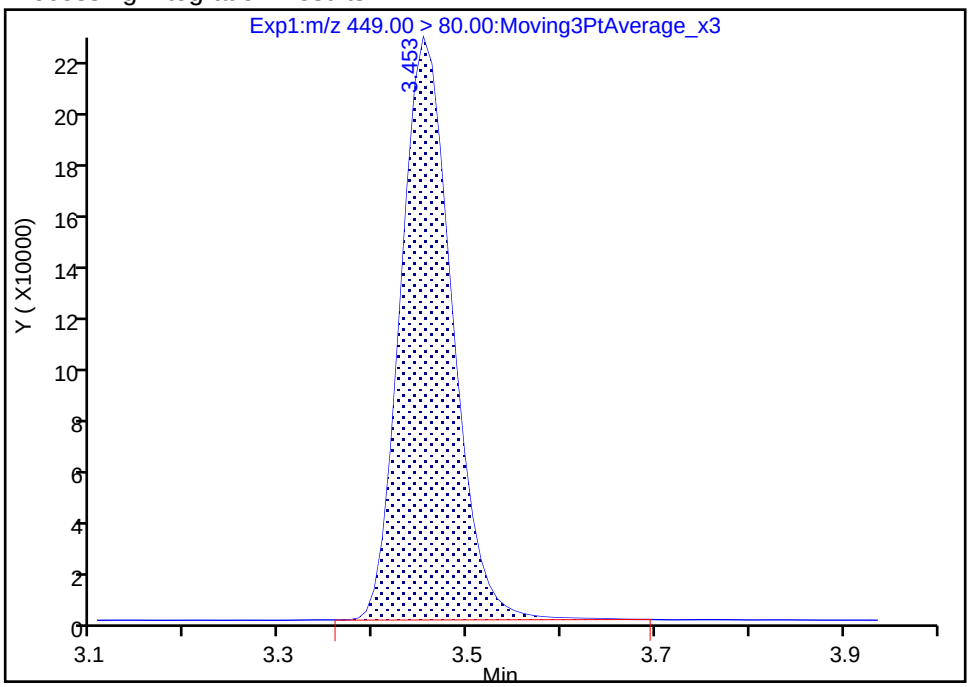
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d
Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

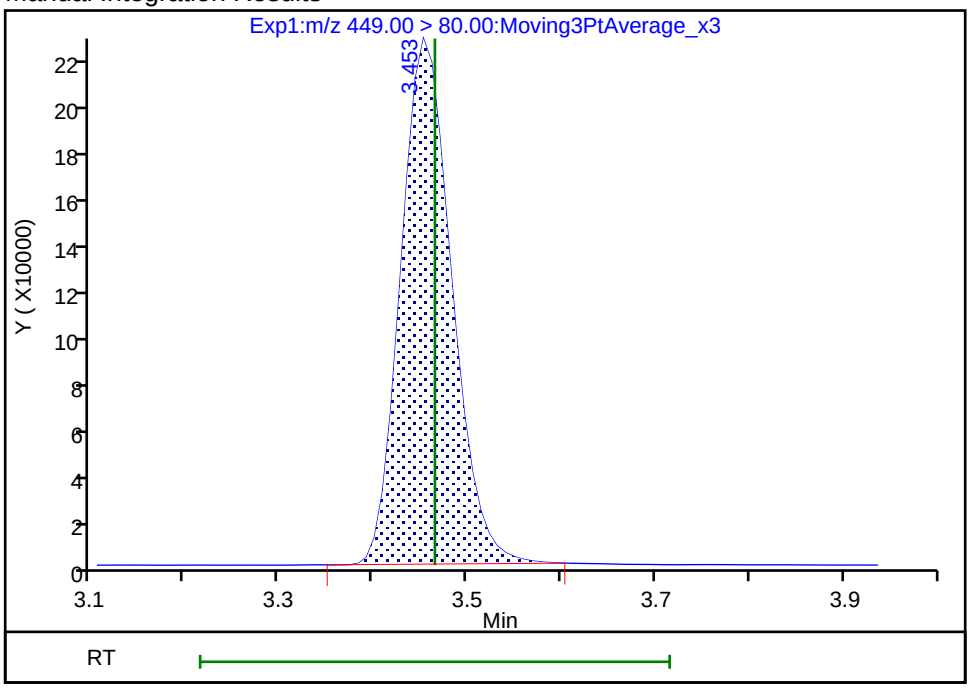
Processing Integration Results

RT: 3.45
Area: 861563
Amount: 0.923686
Amount Units: ng/ml



Manual Integration Results

RT: 3.45
Area: 854457
Amount: 0.916068
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:01:01
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

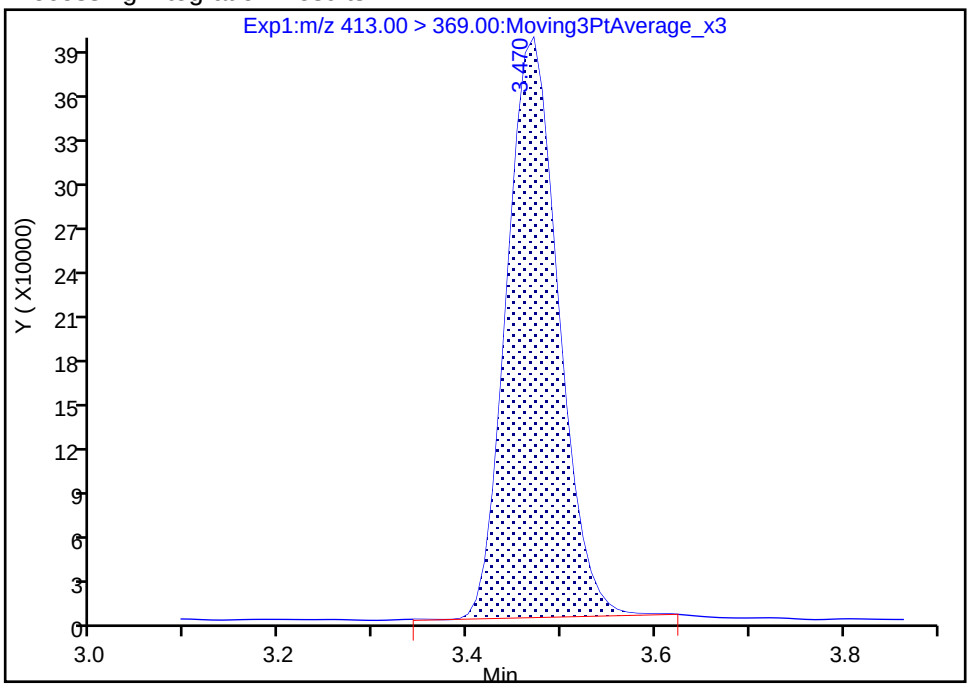
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d
Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

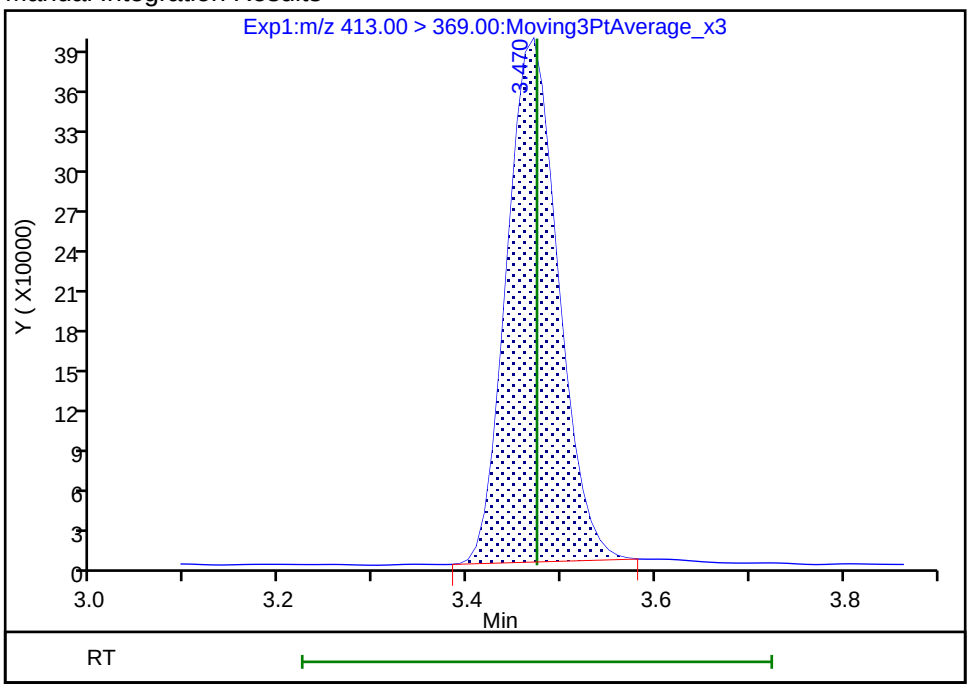
Processing Integration Results

RT: 3.47
Area: 1488516
Amount: 0.982402
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 1478937
Amount: 0.976080
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:15:11
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

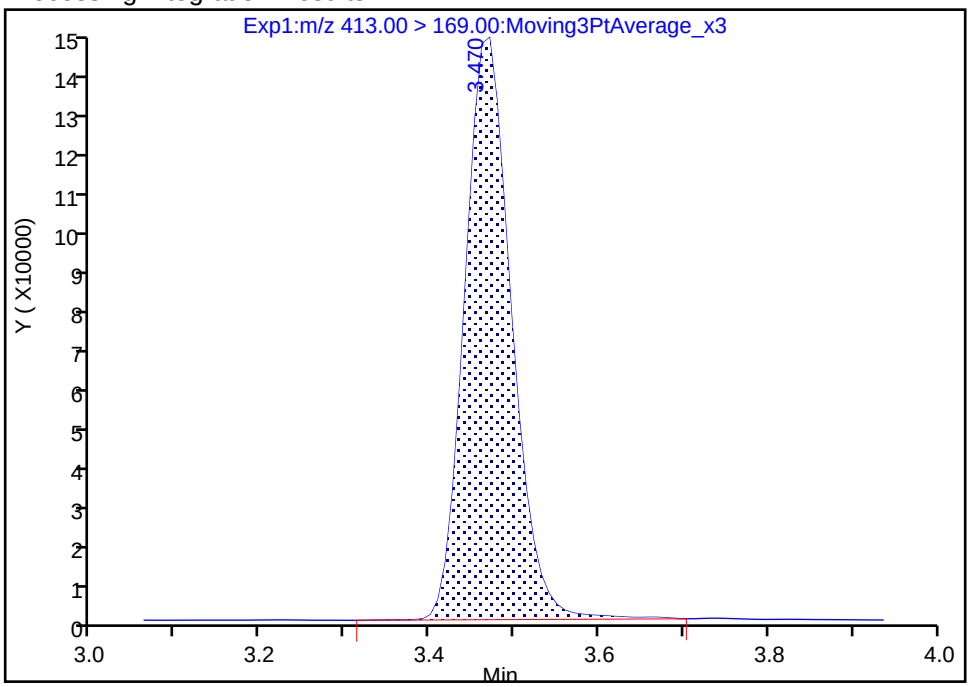
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d
Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

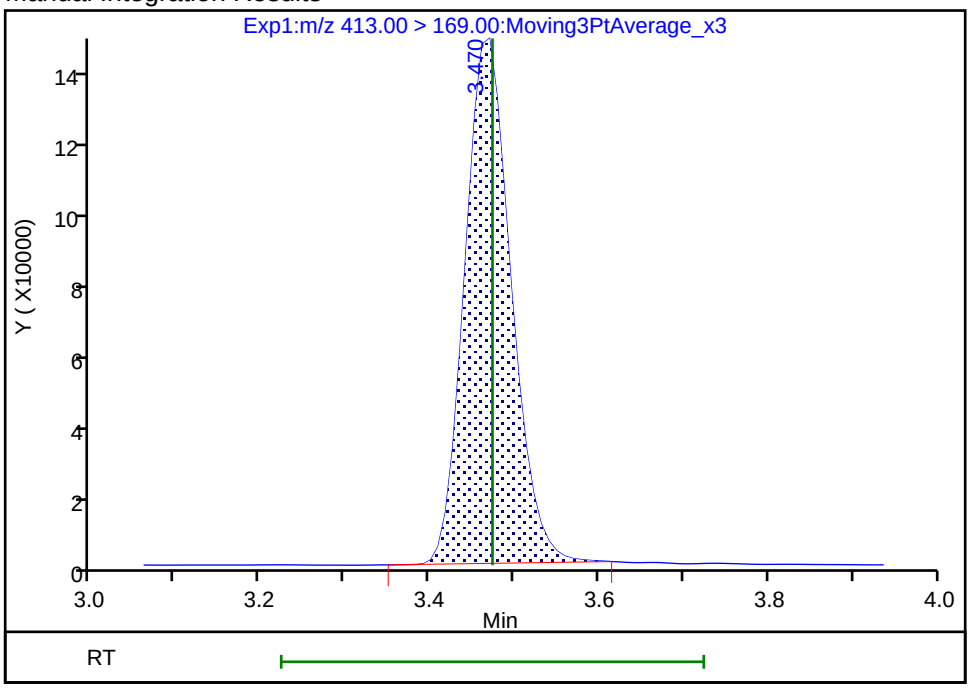
Processing Integration Results

RT: 3.47
Area: 567618
Amount: 0.982402
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 559477
Amount: 0.976080
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:01:06
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

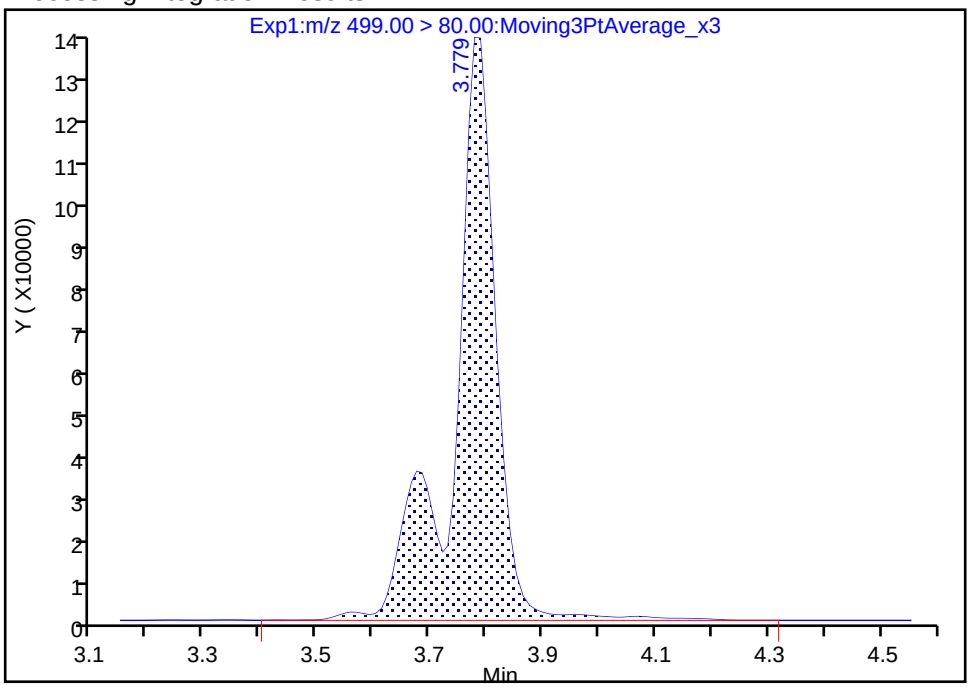
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d
Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

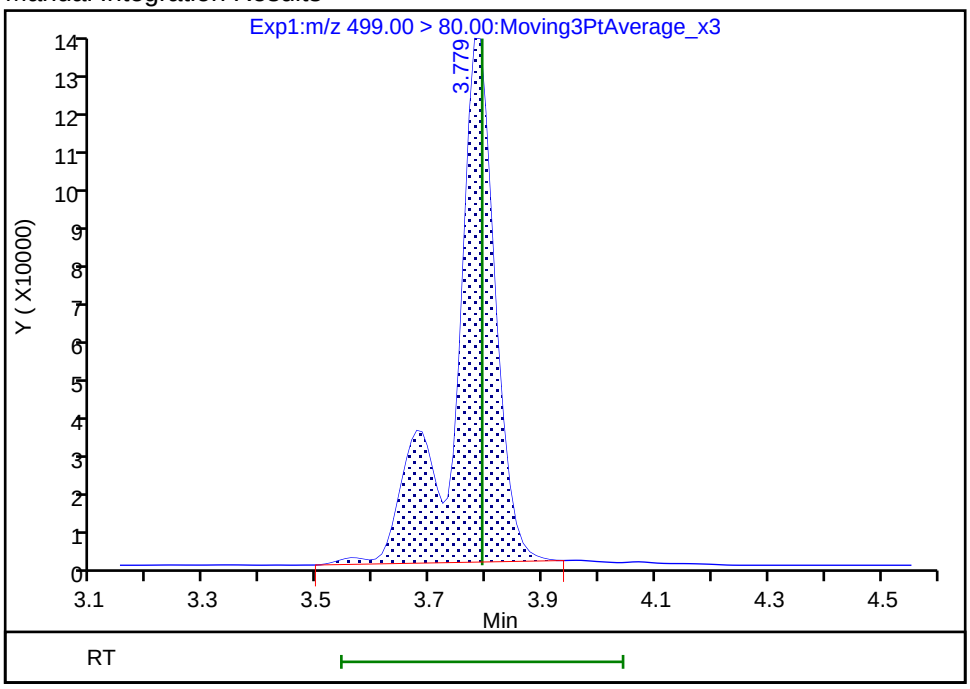
Processing Integration Results

RT: 3.78
Area: 737216
Amount: 0.963400
Amount Units: ng/ml



Manual Integration Results

RT: 3.78
Area: 707939
Amount: 0.924407
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:15:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

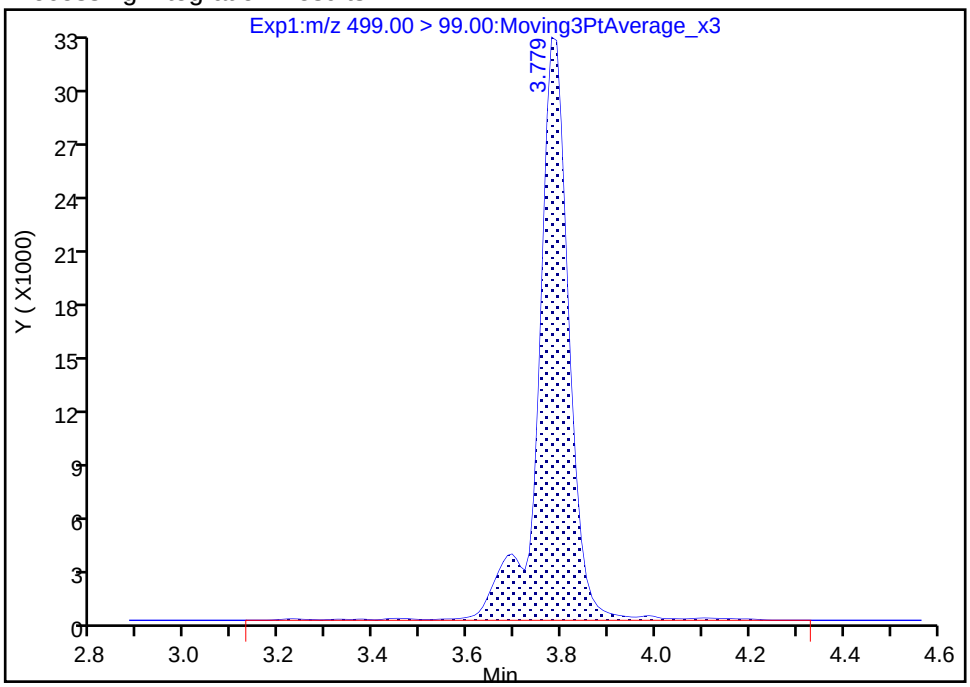
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d				
Injection Date:	04-Aug-2022 14:01:09	Instrument ID:	LC812		
Lims ID:	CCV L4				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

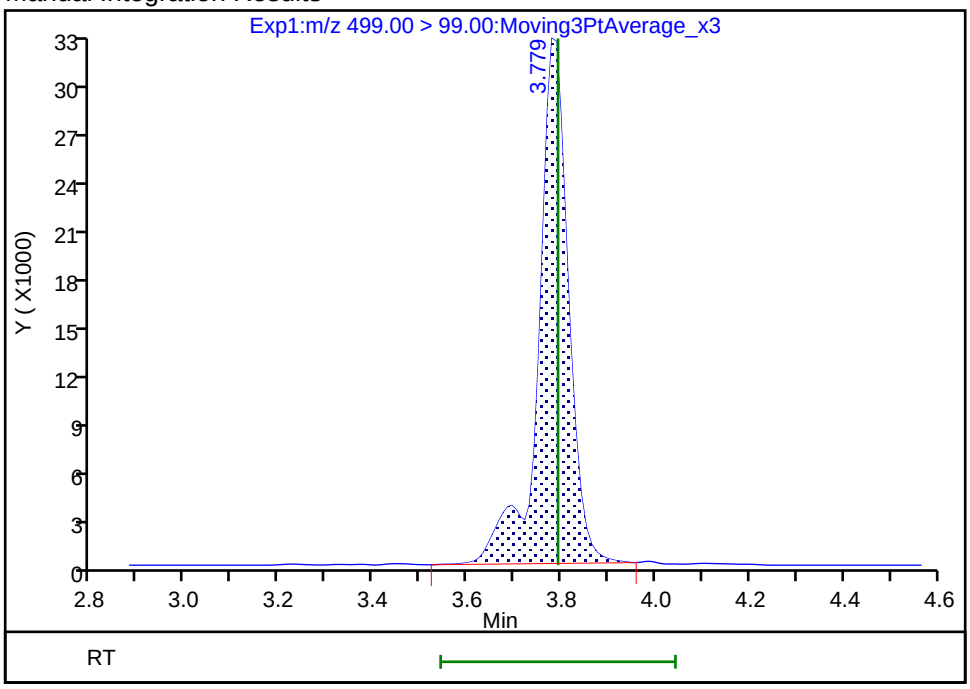
Processing Integration Results

RT: 3.78
Area: 149380
Amount: 0.963400
Amount Units: ng/ml



Manual Integration Results

RT: 3.78
Area: 144448
Amount: 0.924407
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:15:39
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

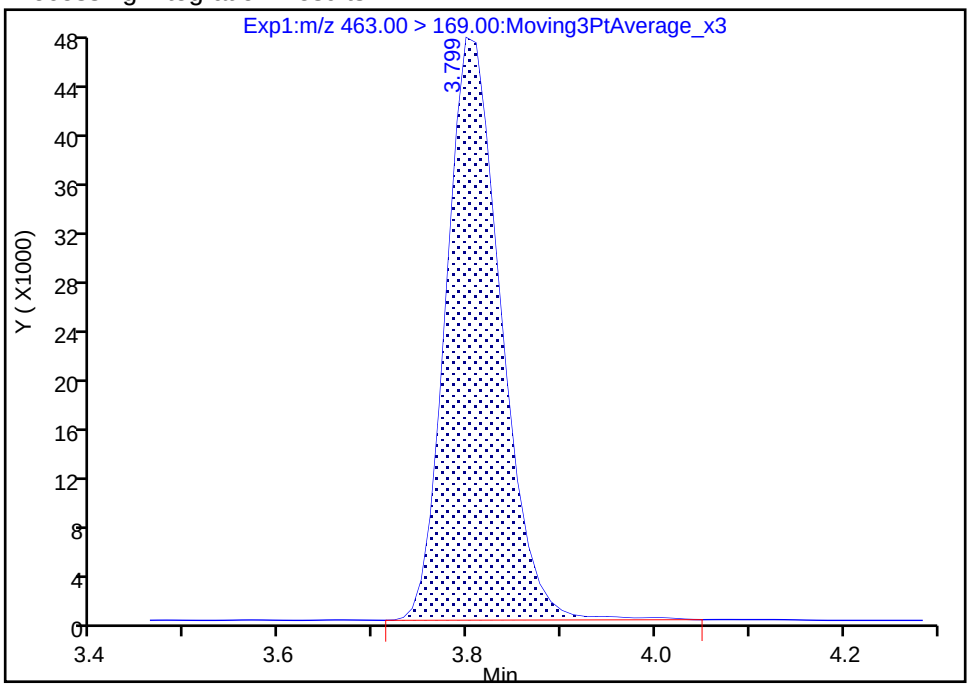
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d
Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

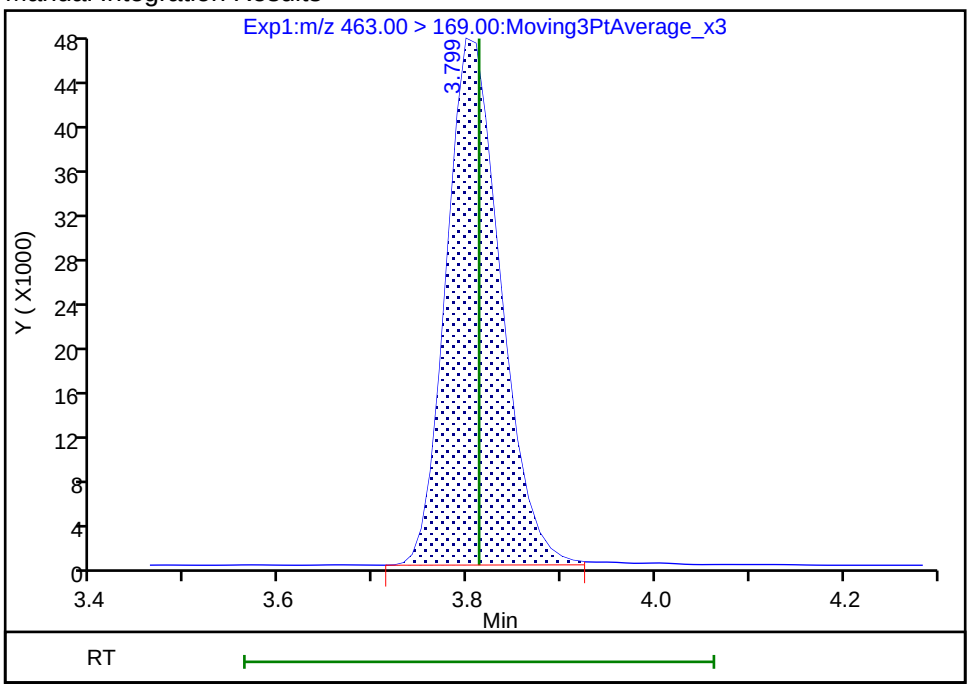
Processing Integration Results

RT: 3.80
Area: 190909
Amount: 0.969781
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 189815
Amount: 0.969781
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:15:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

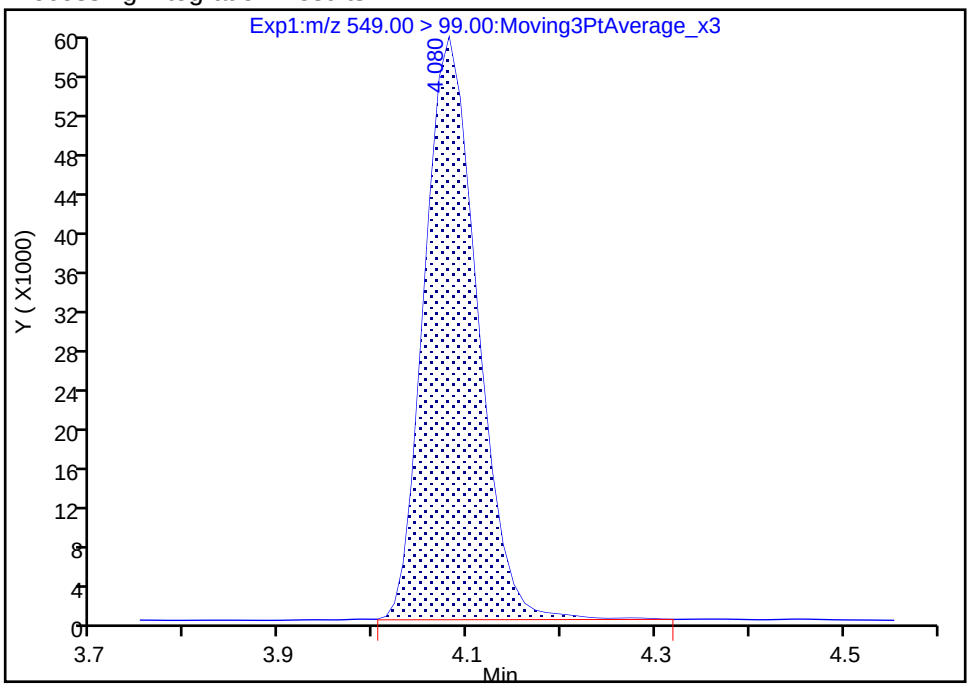
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d
Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

68 Perfluorononanesulfonic acid, CAS: 68259-12-1

Signal: 2

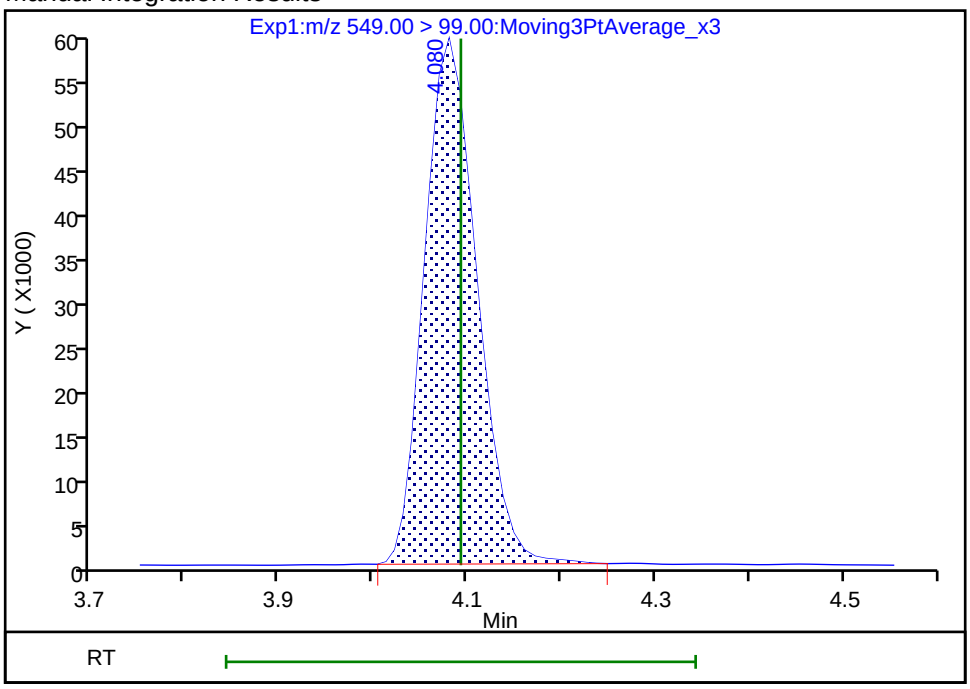
Processing Integration Results

RT: 4.08
Area: 231531
Amount: 0.990116
Amount Units: ng/ml



Manual Integration Results

RT: 4.08
Area: 230103
Amount: 0.988104
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:15:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

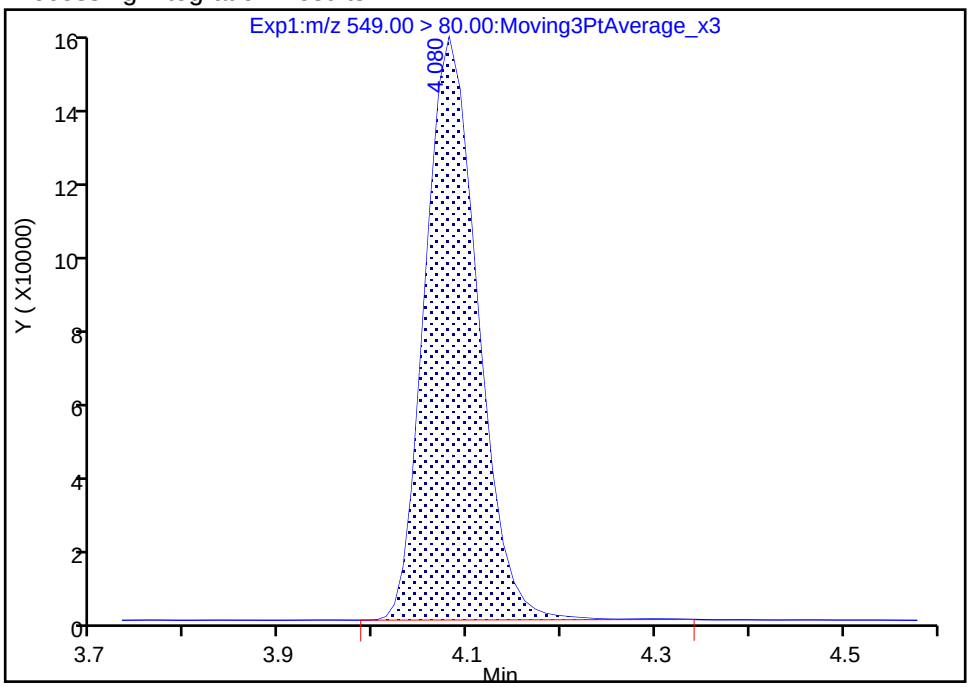
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d
Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

68 Perfluorononanesulfonic acid, CAS: 68259-12-1

Signal: 1

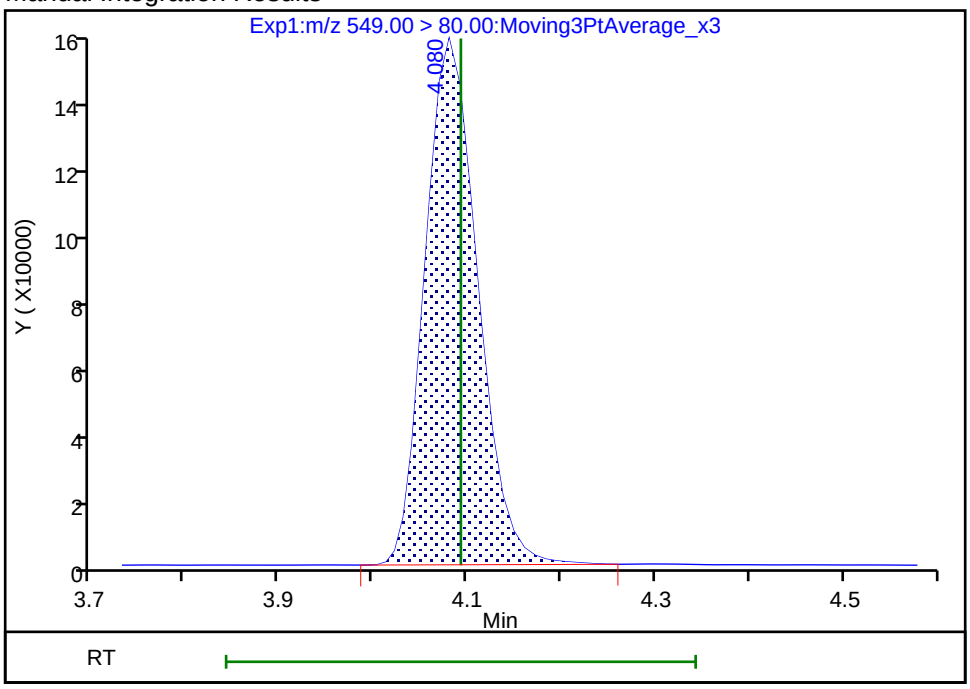
Processing Integration Results

RT: 4.08
Area: 585024
Amount: 0.990116
Amount Units: ng/ml



Manual Integration Results

RT: 4.08
Area: 583835
Amount: 0.988104
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:16:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

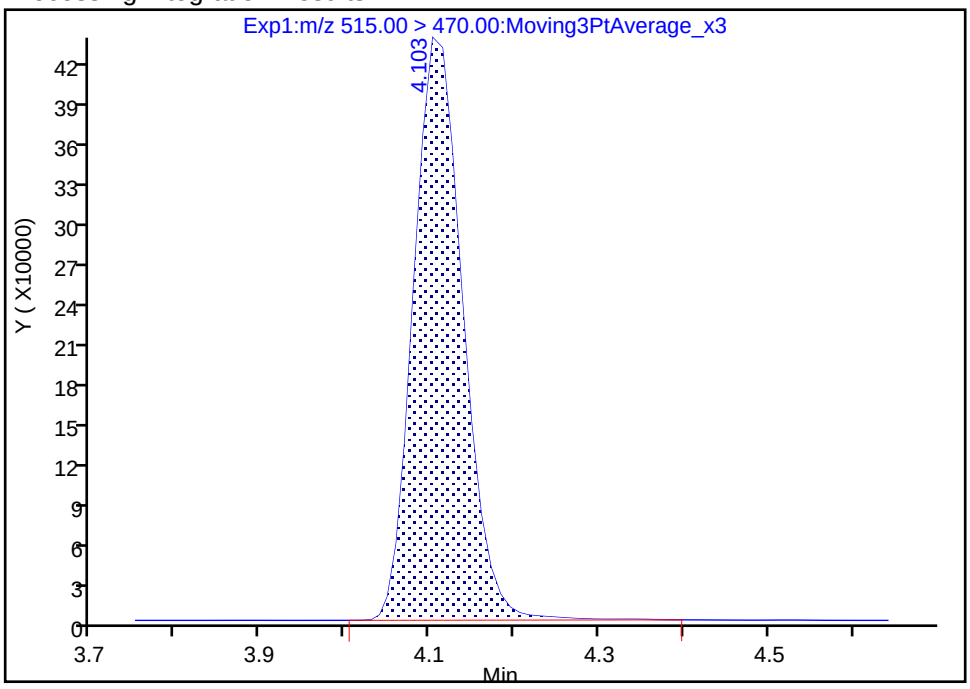
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d				
Injection Date:	04-Aug-2022 14:01:09	Instrument ID:	LC812		
Lims ID:	CCV L4				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

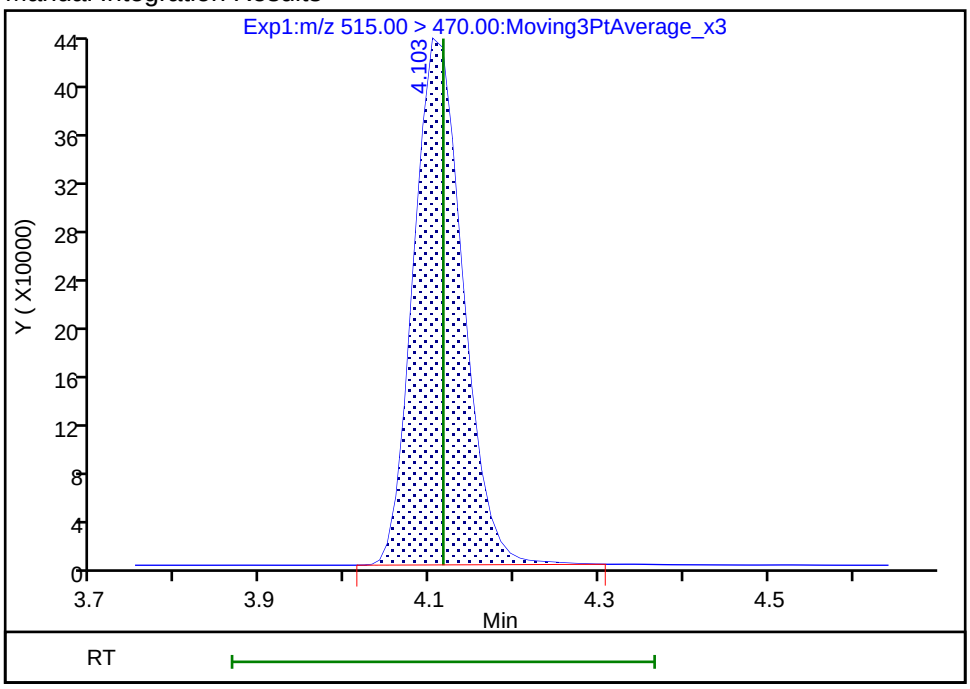
Processing Integration Results

RT: 4.10
Area: 1779733
Amount: 1.287376
Amount Units: ng/ml



Manual Integration Results

RT: 4.10
Area: 1773664
Amount: 1.282986
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:13:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

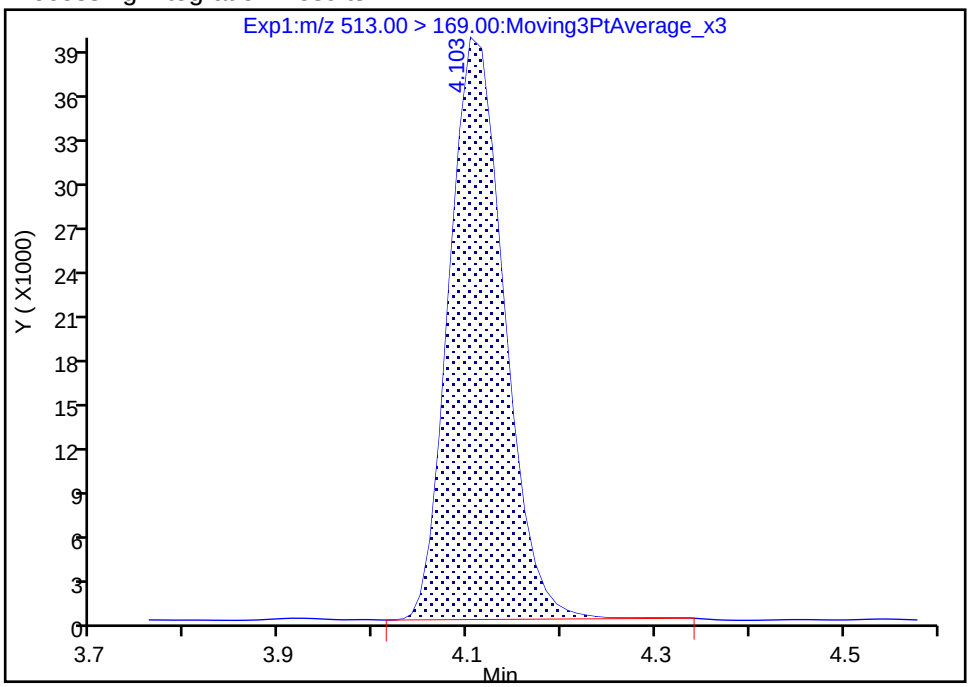
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d
Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

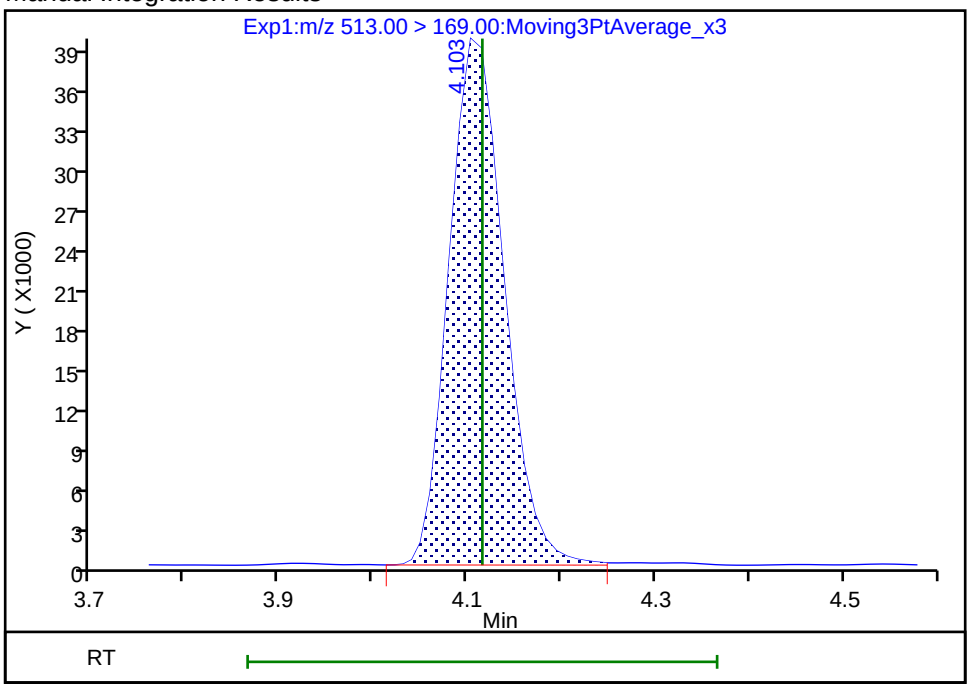
Processing Integration Results

RT: 4.10
Area: 160793
Amount: 1.004167
Amount Units: ng/ml



Manual Integration Results

RT: 4.10
Area: 161243
Amount: 1.004167
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:16:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

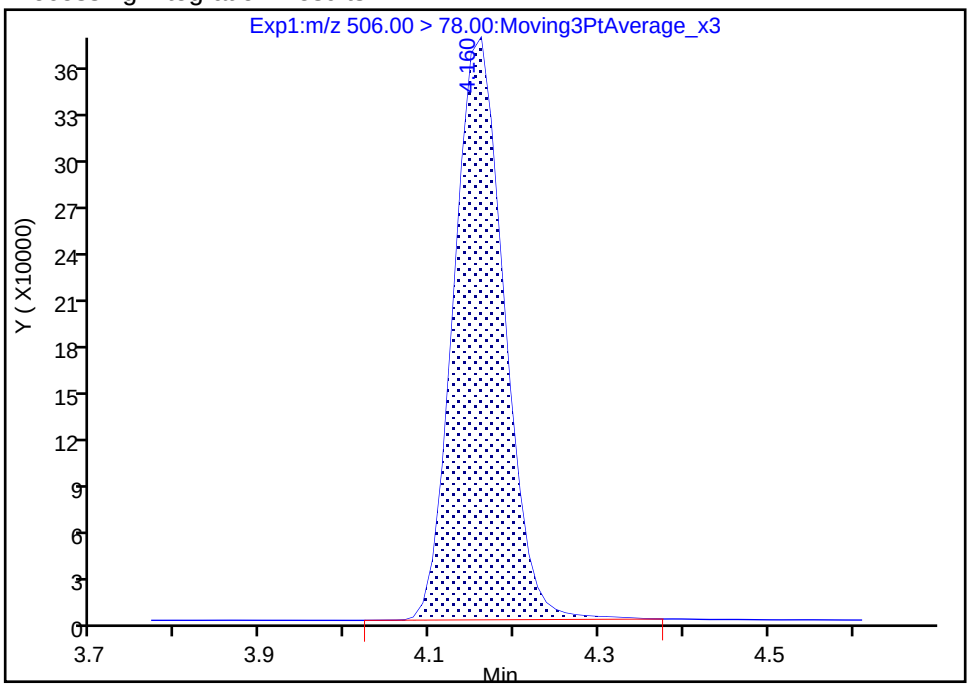
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d
Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

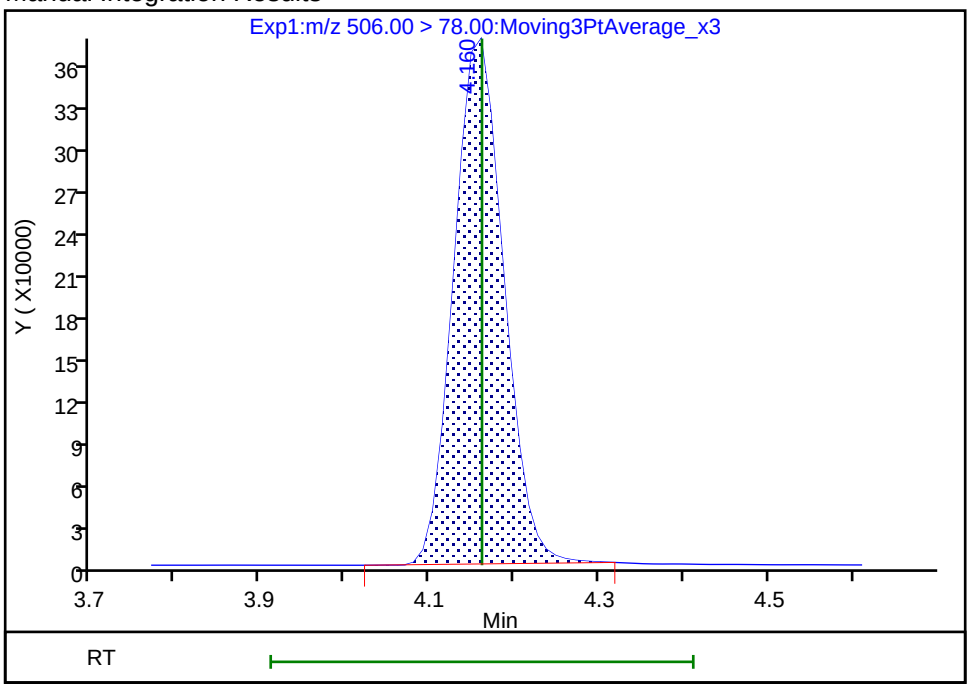
Processing Integration Results

RT: 4.16
Area: 1528913
Amount: 1.263612
Amount Units: ng/ml



Manual Integration Results

RT: 4.16
Area: 1516068
Amount: 1.252996
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:01:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

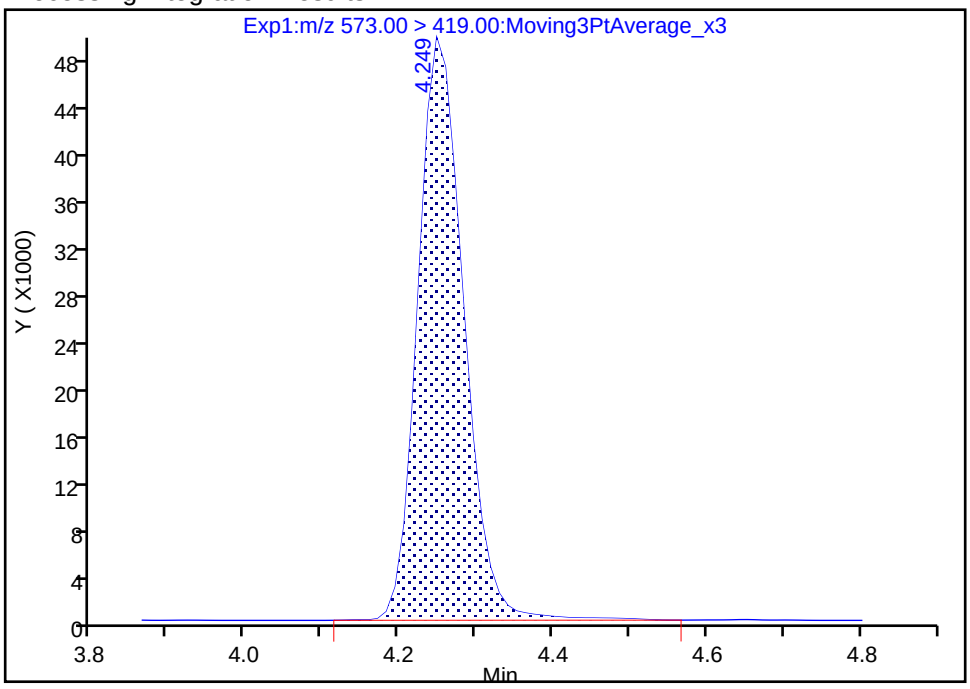
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d
Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

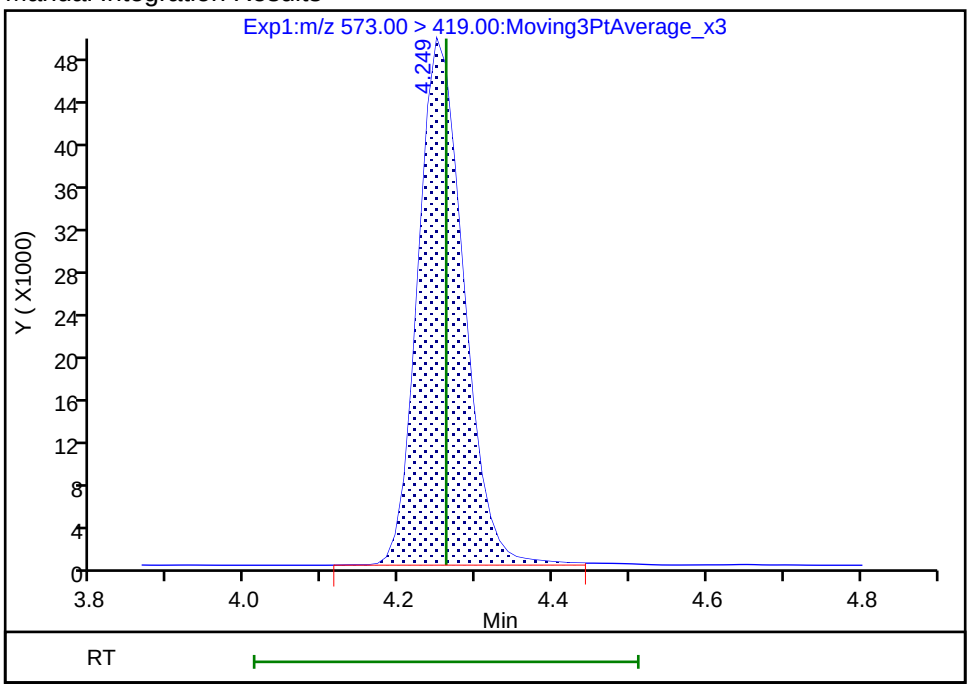
Processing Integration Results

RT: 4.25
Area: 205804
Amount: 1.110701
Amount Units: ng/ml



Manual Integration Results

RT: 4.25
Area: 205113
Amount: 1.106972
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:13:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

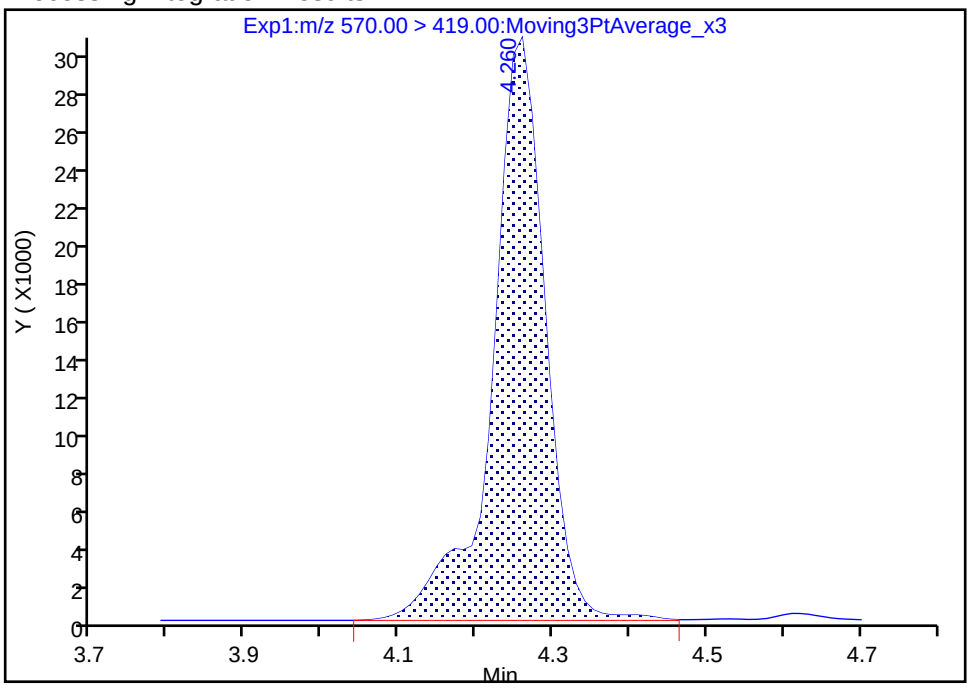
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d
Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

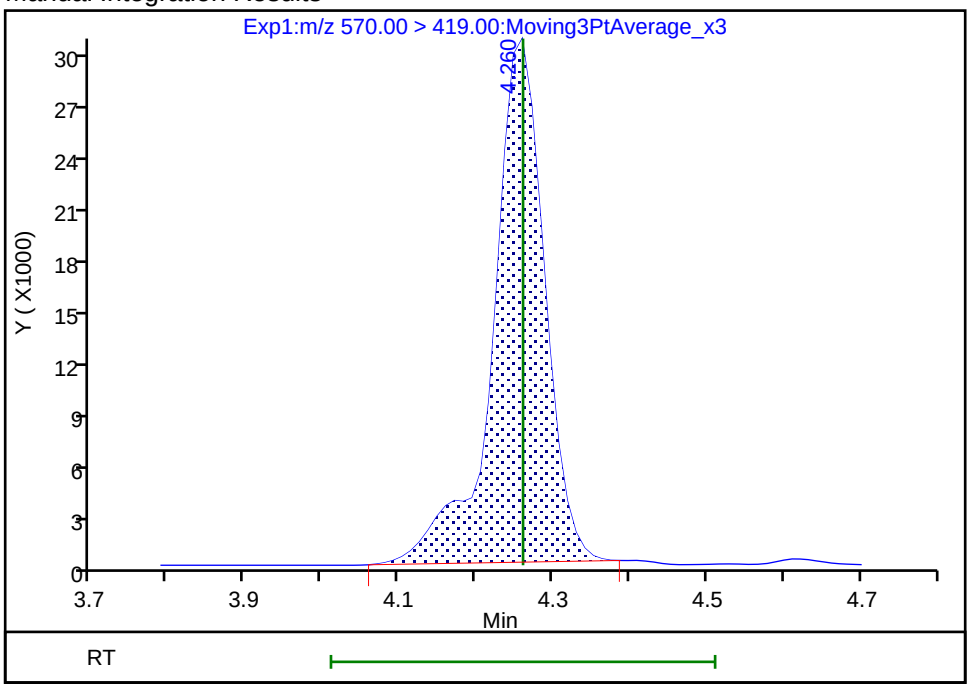
Processing Integration Results

RT: 4.26
Area: 146421
Amount: 1.004738
Amount Units: ng/ml



Manual Integration Results

RT: 4.26
Area: 142571
Amount: 0.978319
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:01:39
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

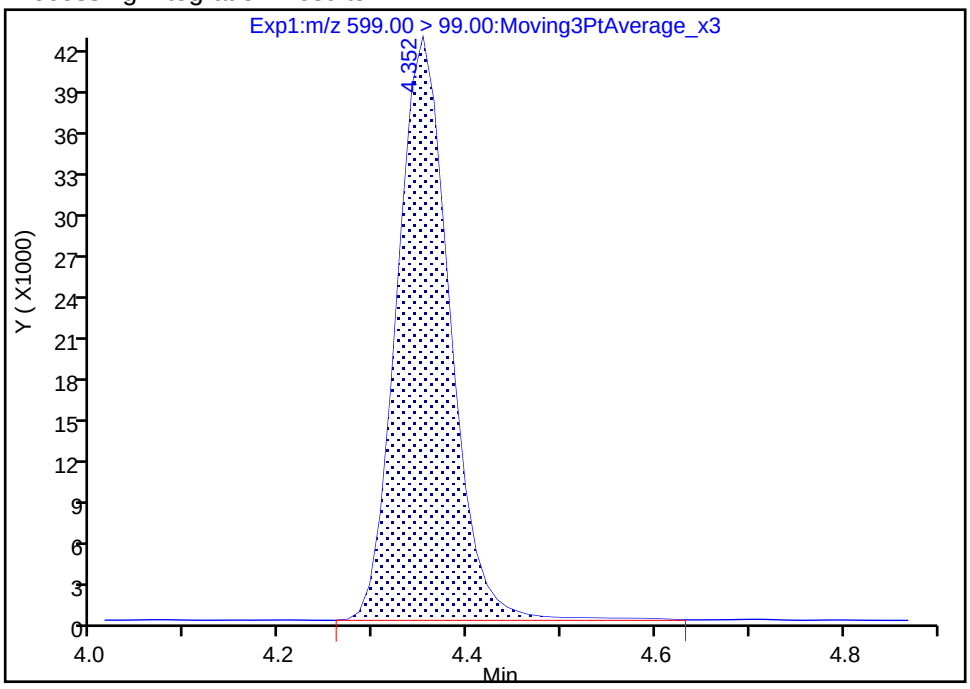
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d
Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

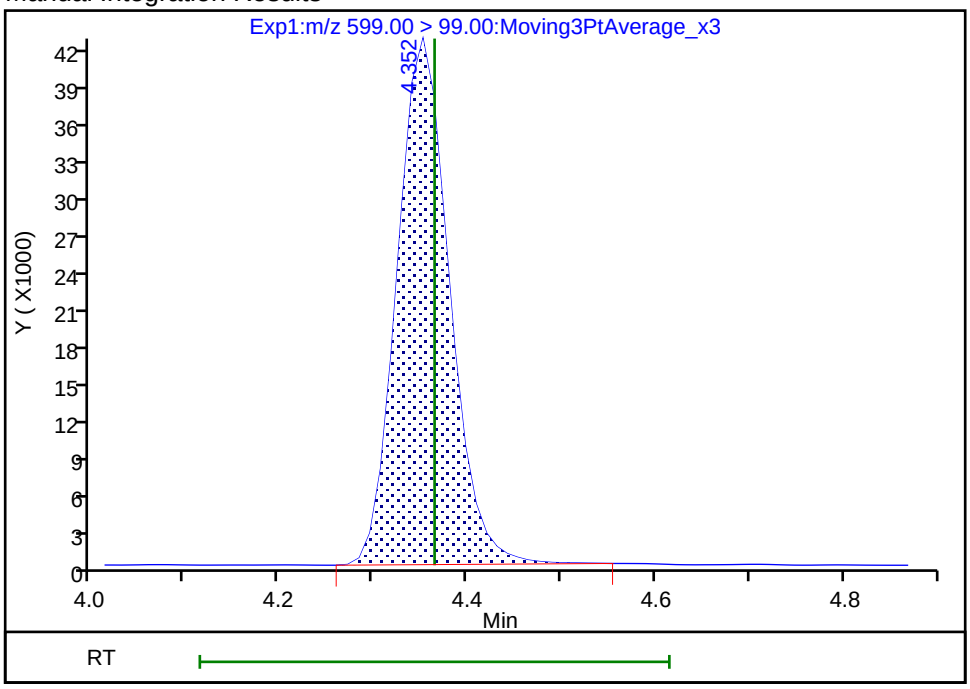
Processing Integration Results

RT: 4.35
Area: 167378
Amount: 0.988506
Amount Units: ng/ml



Manual Integration Results

RT: 4.35
Area: 165608
Amount: 0.977733
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:16:31
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

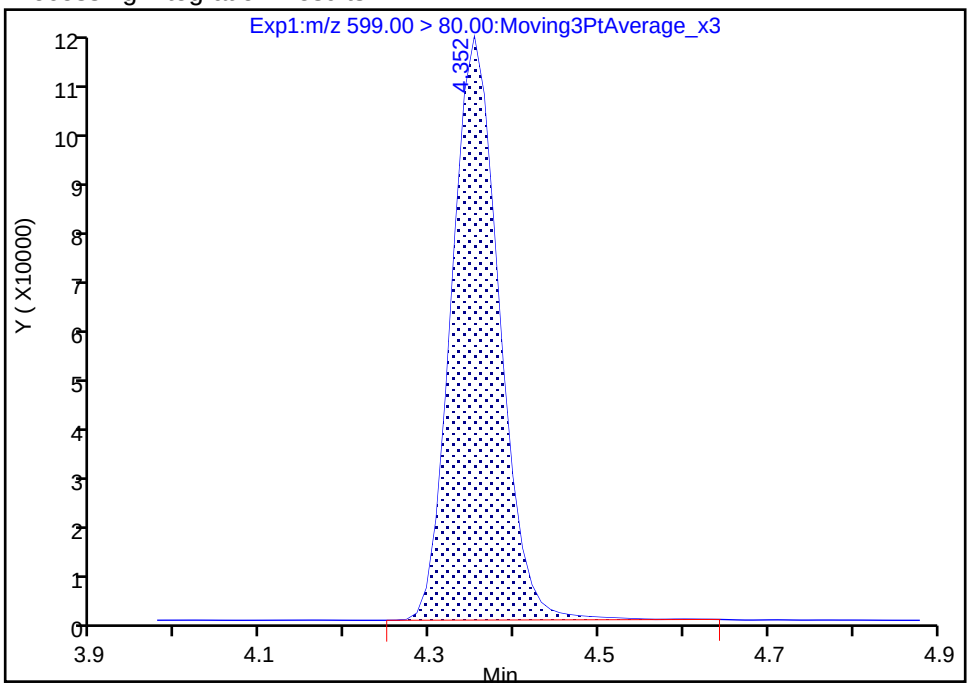
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d
Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

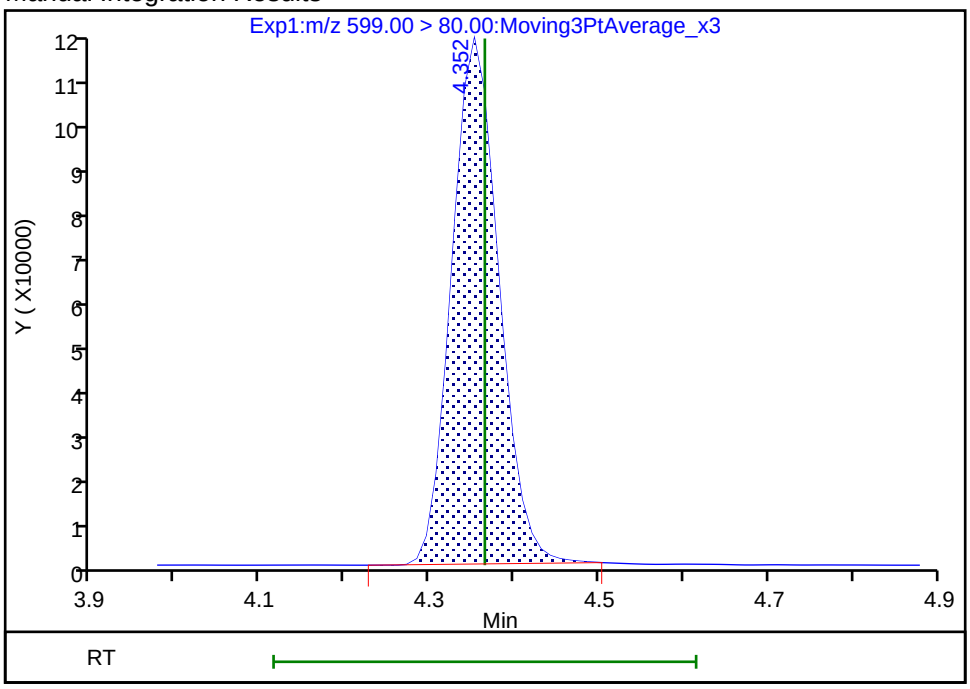
Processing Integration Results

RT: 4.35
Area: 434641
Amount: 0.988506
Amount Units: ng/ml



Manual Integration Results

RT: 4.35
Area: 429904
Amount: 0.977733
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:01:47
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

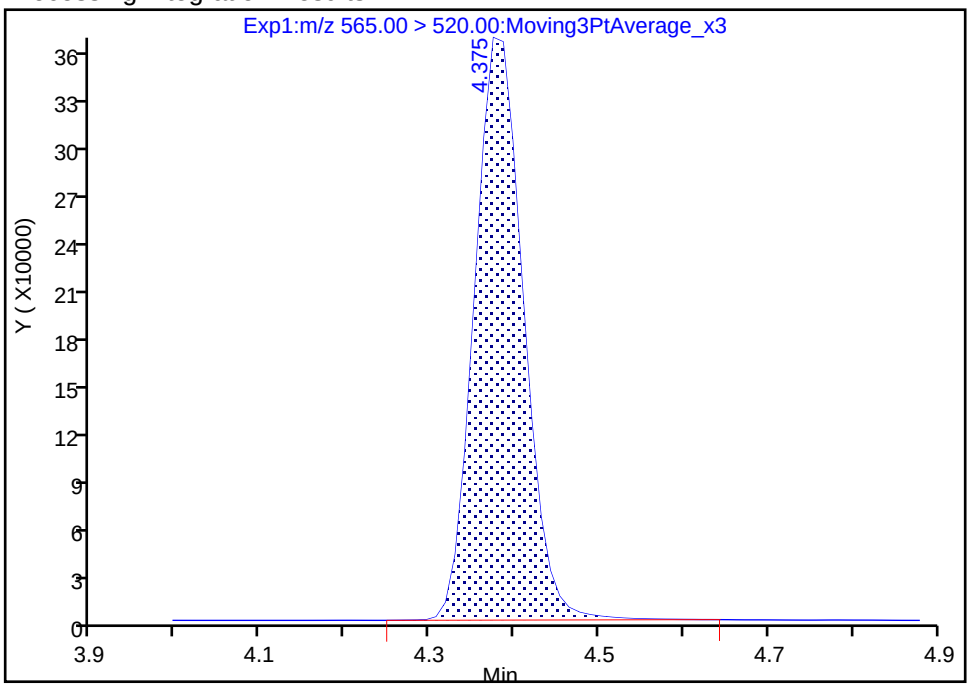
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d
Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

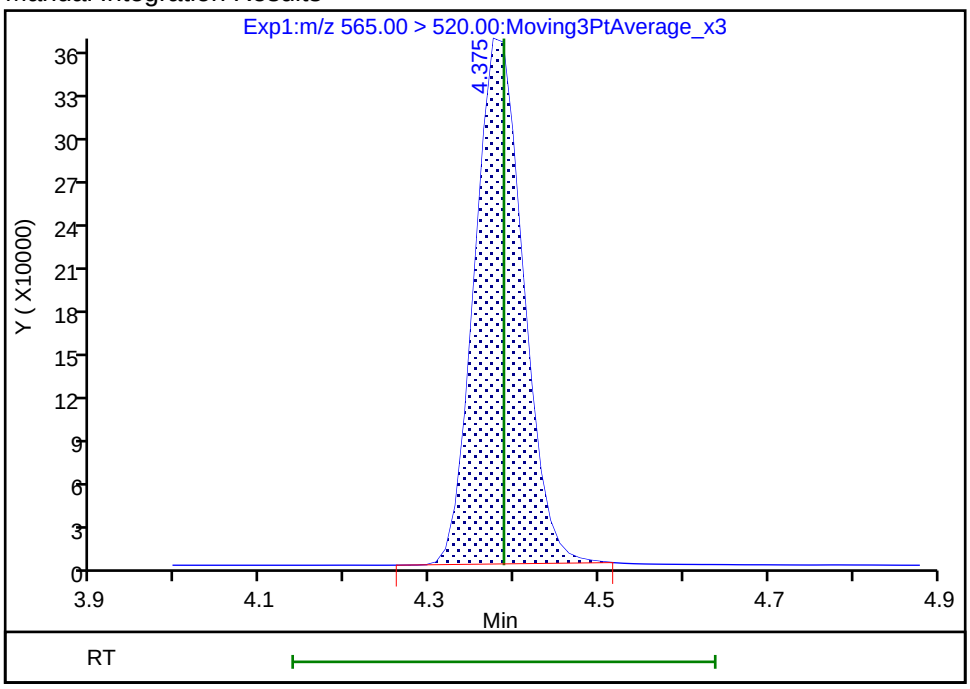
Processing Integration Results

RT: 4.38
Area: 1449138
Amount: 1.383490
Amount Units: ng/ml



Manual Integration Results

RT: 4.38
Area: 1434232
Amount: 1.369260
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:01:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

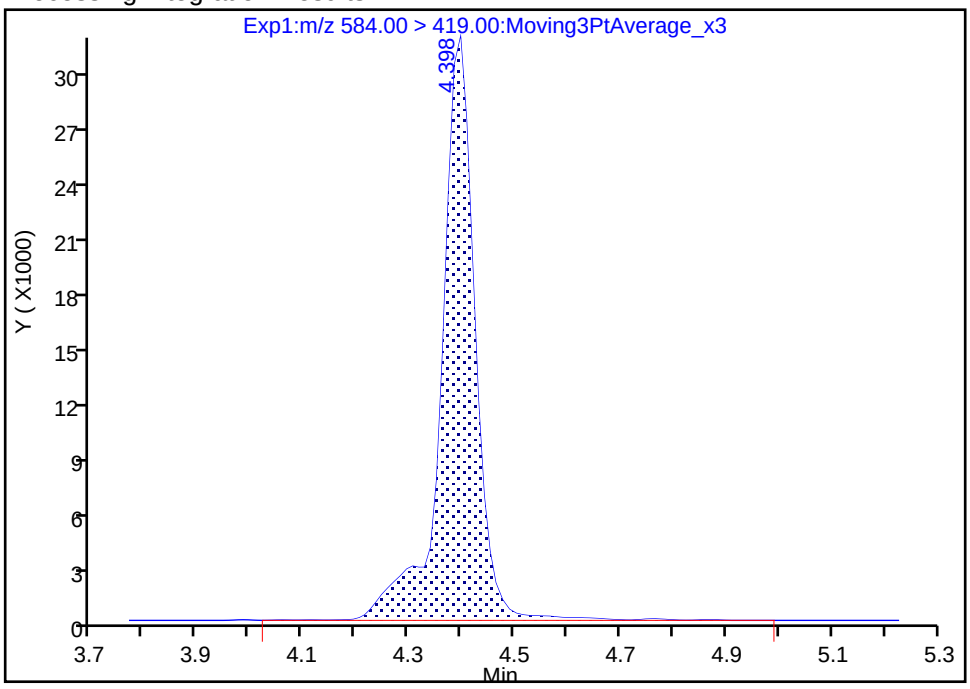
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d
Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

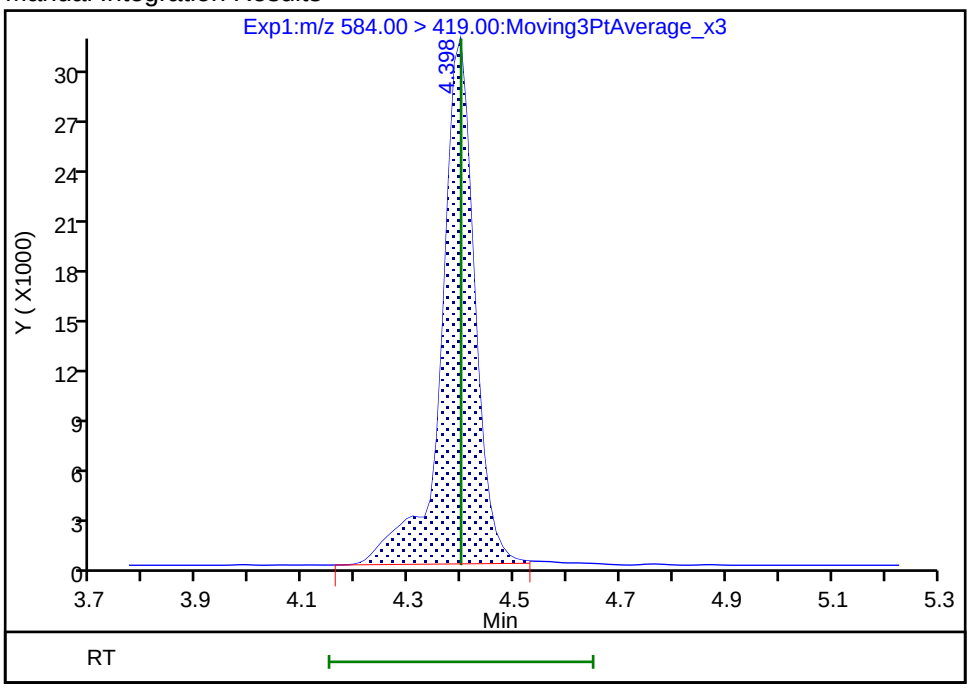
Processing Integration Results

RT: 4.40
Area: 139039
Amount: 0.980576
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 135714
Amount: 0.957126
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:16:46
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

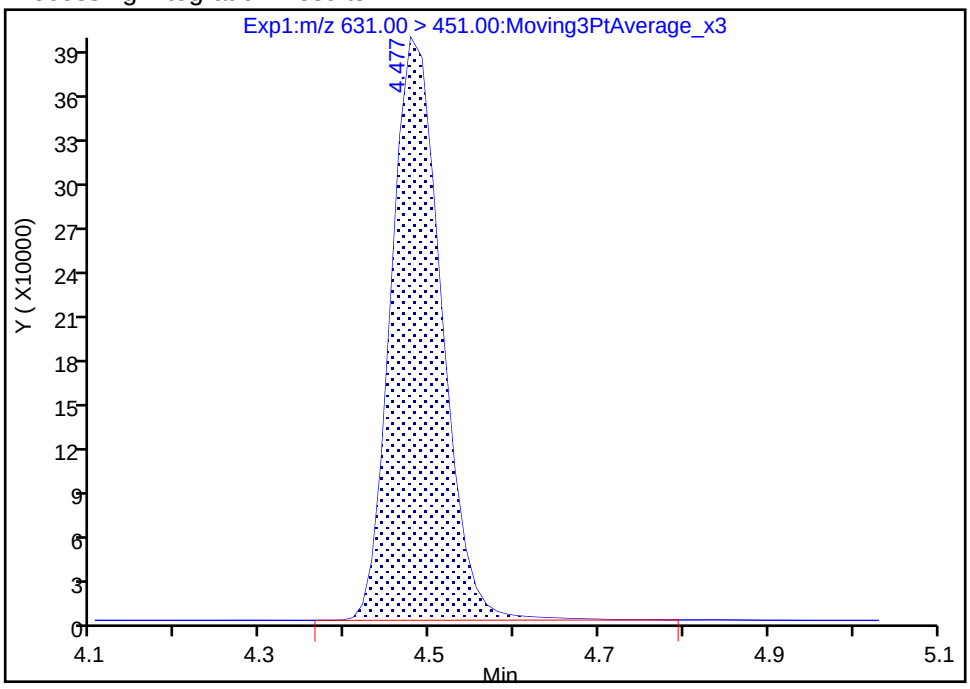
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d
Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

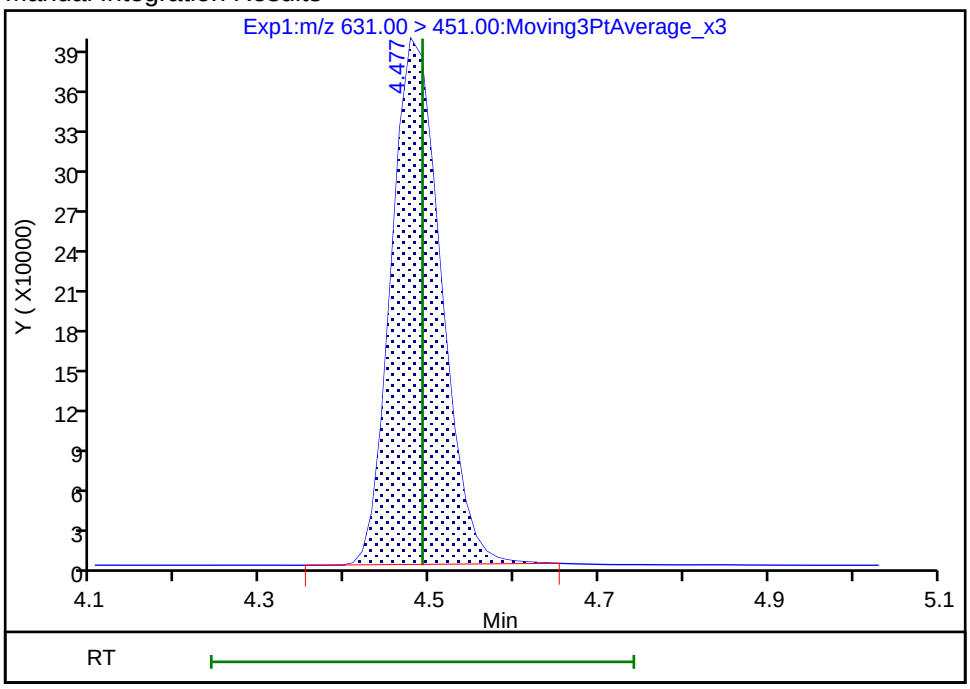
Processing Integration Results

RT: 4.48
Area: 1618087
Amount: 0.932583
Amount Units: ng/ml



Manual Integration Results

RT: 4.48
Area: 1603817
Amount: 0.924359
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:02:02
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

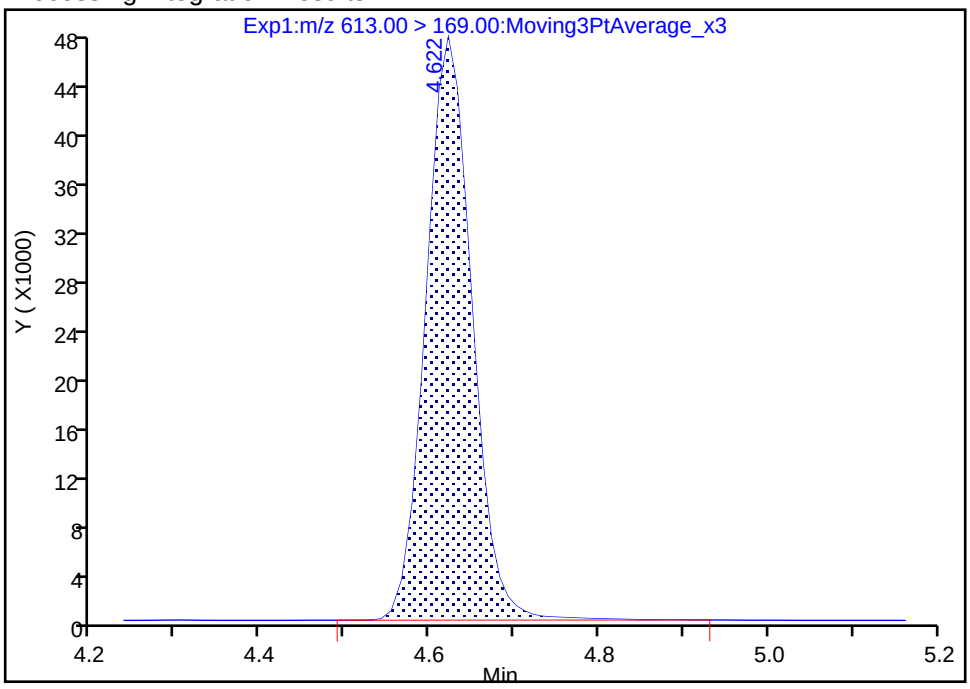
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d
Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

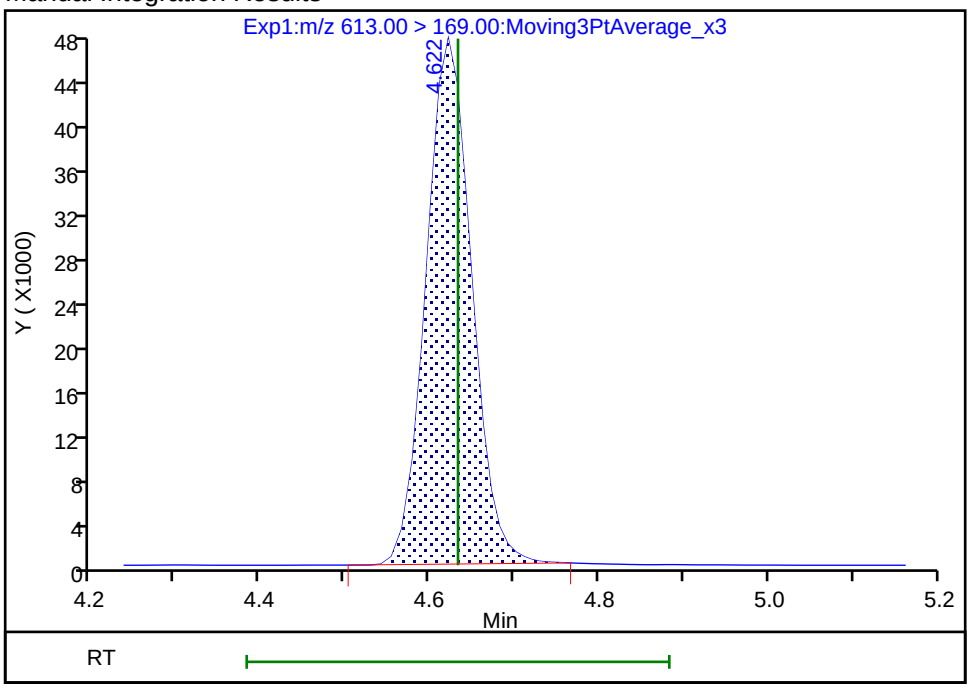
Processing Integration Results

RT: 4.62
Area: 179492
Amount: 1.002467
Amount Units: ng/ml



Manual Integration Results

RT: 4.62
Area: 177492
Amount: 1.002467
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:02:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

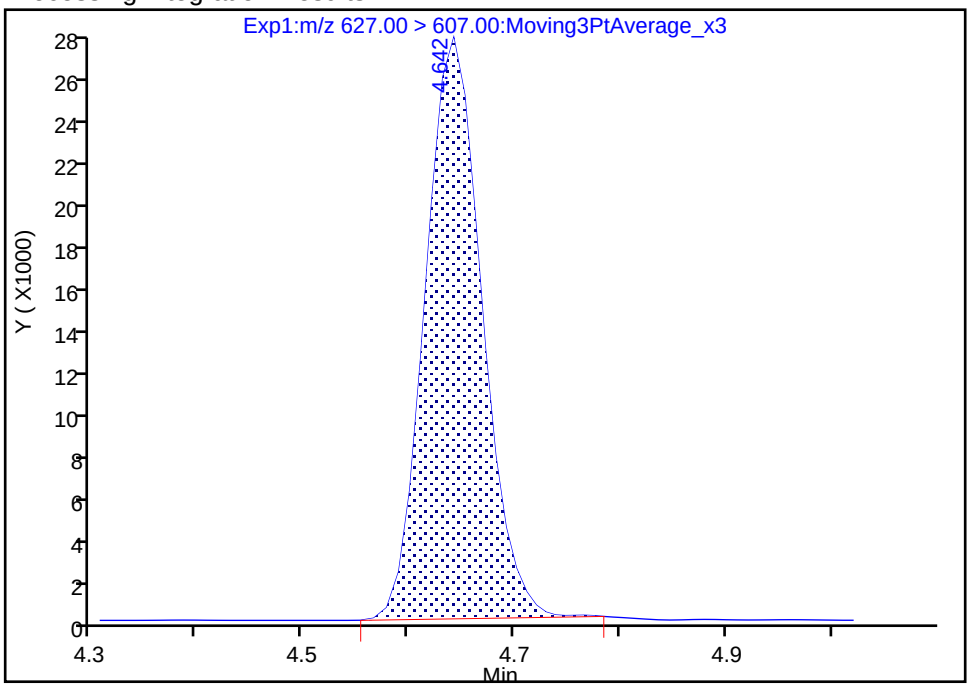
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d
Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

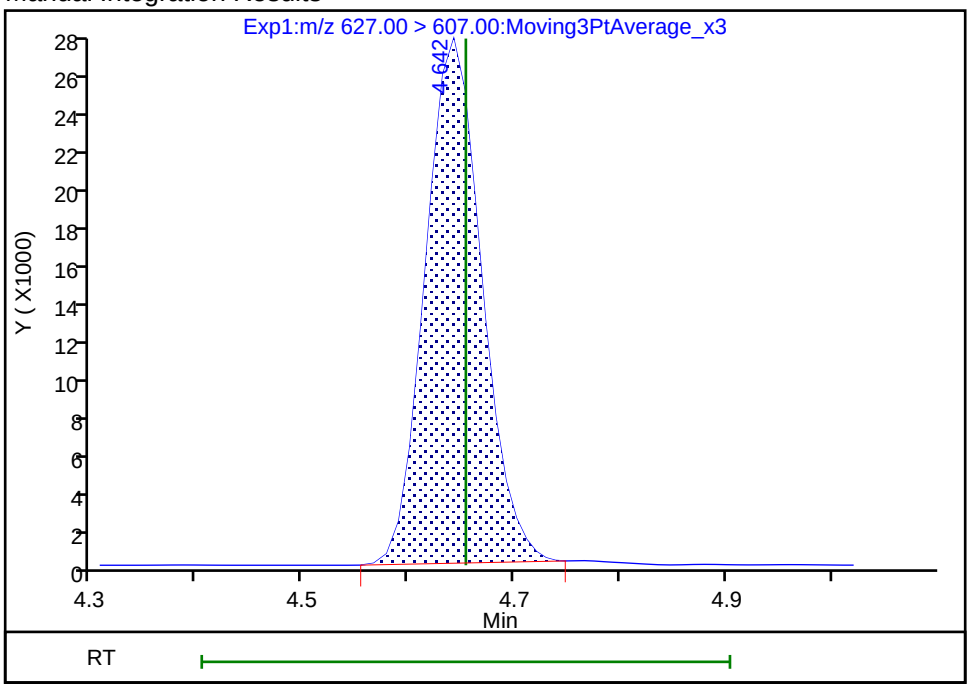
Processing Integration Results

RT: 4.64
Area: 102958
Amount: 0.997564
Amount Units: ng/ml



Manual Integration Results

RT: 4.64
Area: 102407
Amount: 0.992226
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:17:01
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

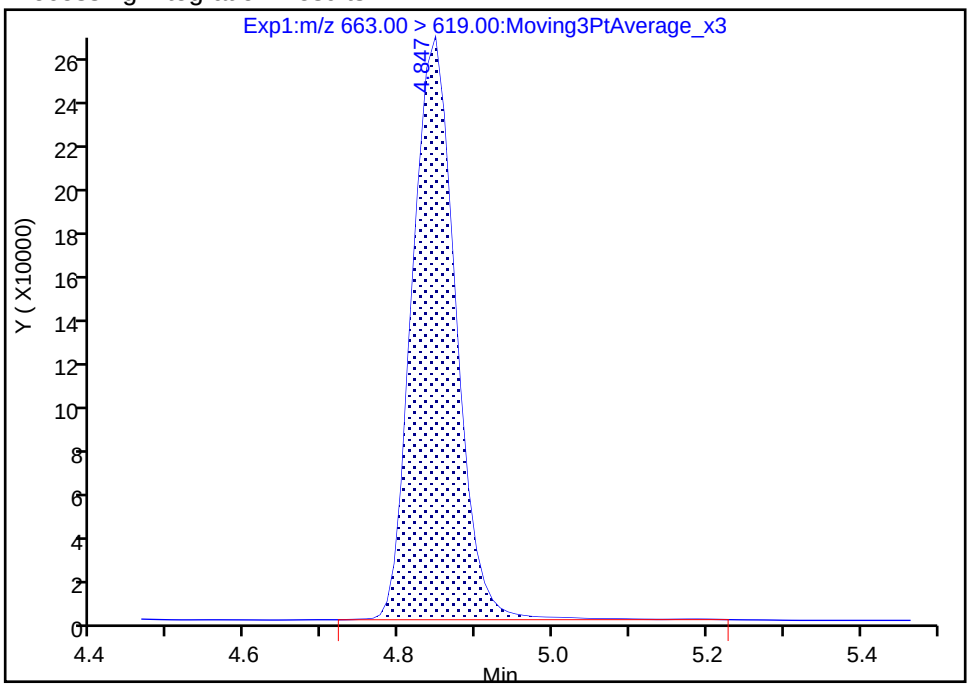
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d
Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

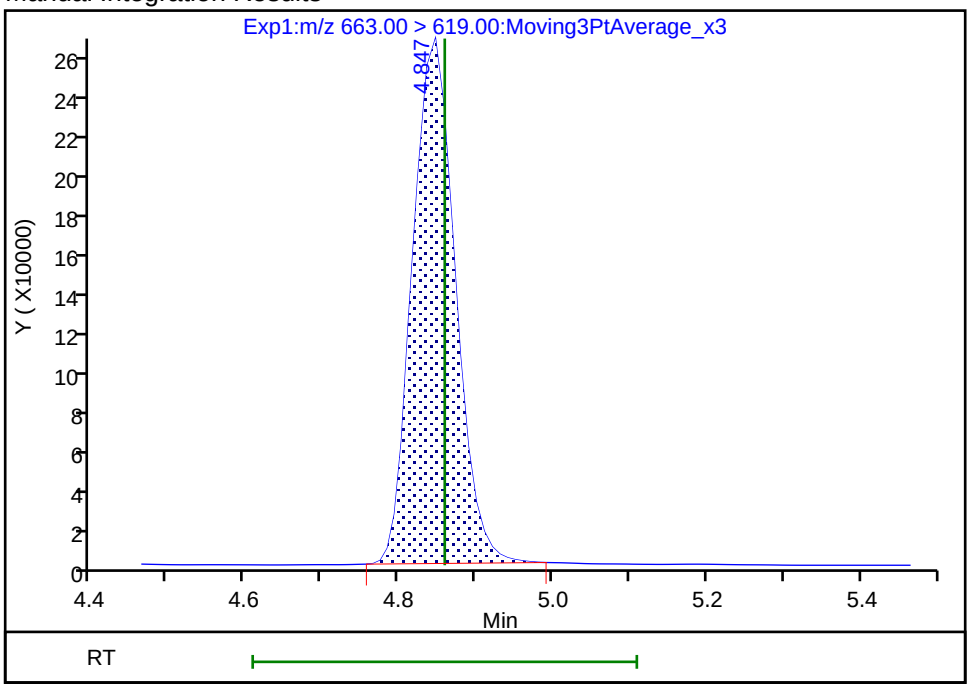
Processing Integration Results

RT: 4.85
Area: 1050594
Amount: 1.036947
Amount Units: ng/ml



Manual Integration Results

RT: 4.85
Area: 1035890
Amount: 1.022434
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:17:09
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

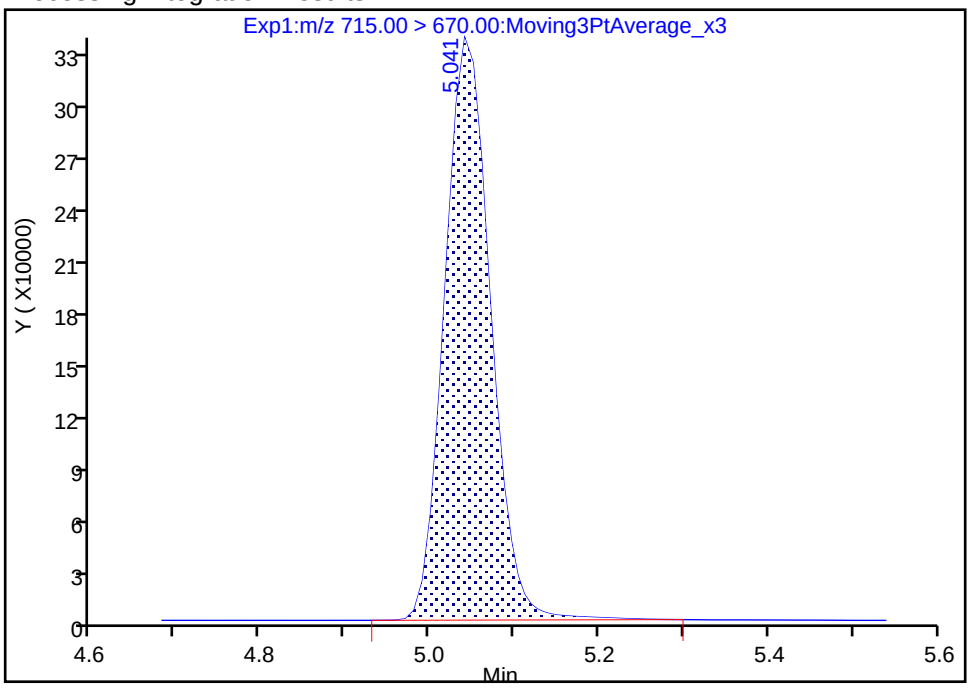
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d				
Injection Date:	04-Aug-2022 14:01:09	Instrument ID:	LC812		
Lims ID:	CCV L4				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

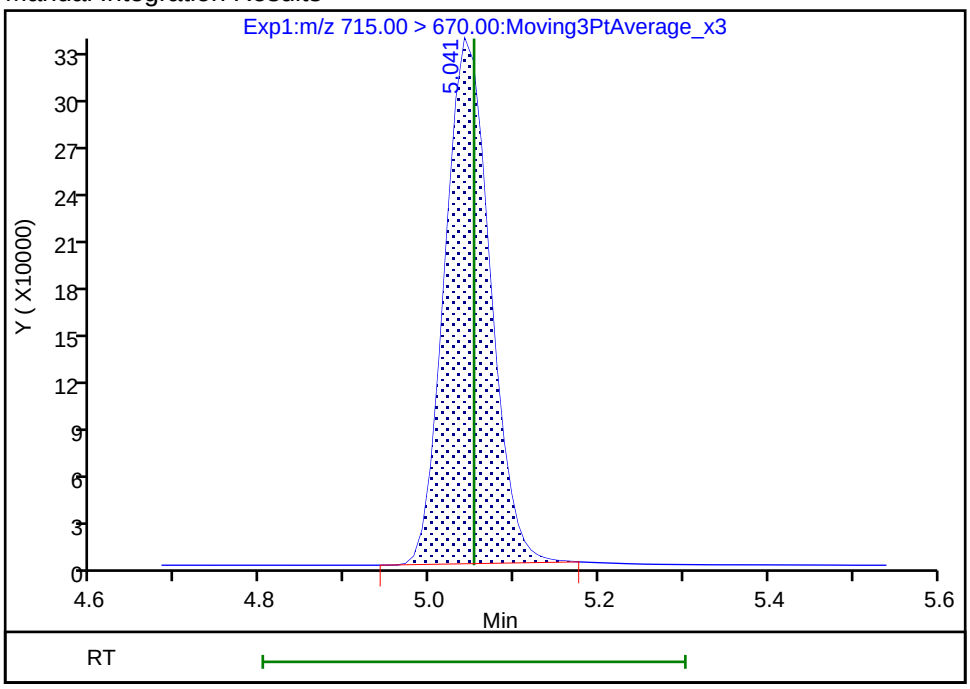
Processing Integration Results

RT: 5.04
Area: 1251312
Amount: 1.410258
Amount Units: ng/ml



Manual Integration Results

RT: 5.04
Area: 1233311
Amount: 1.389970
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:03:05

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

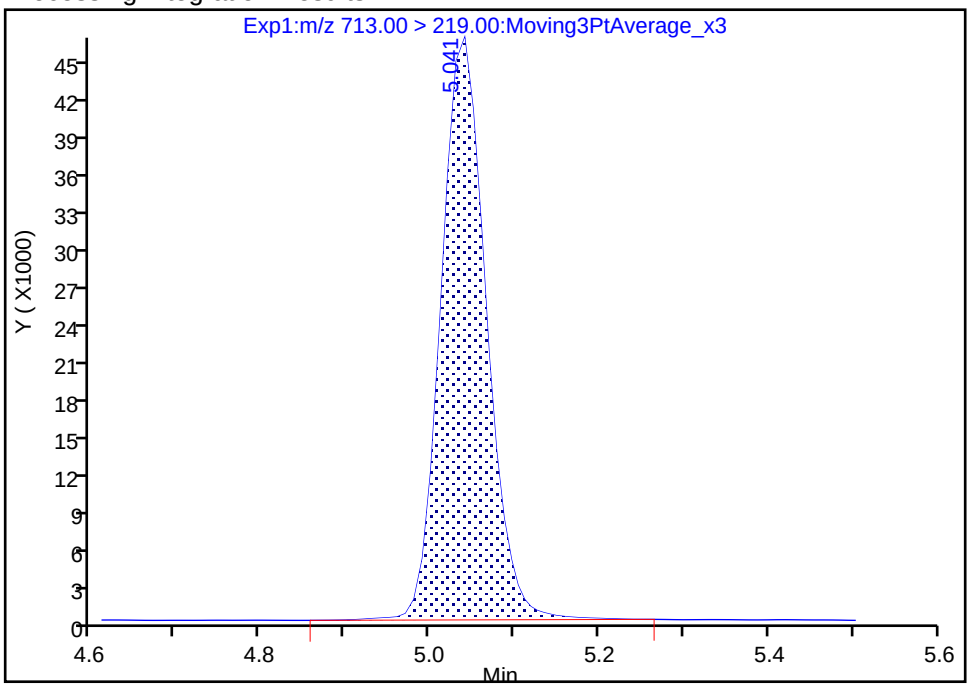
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d
Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

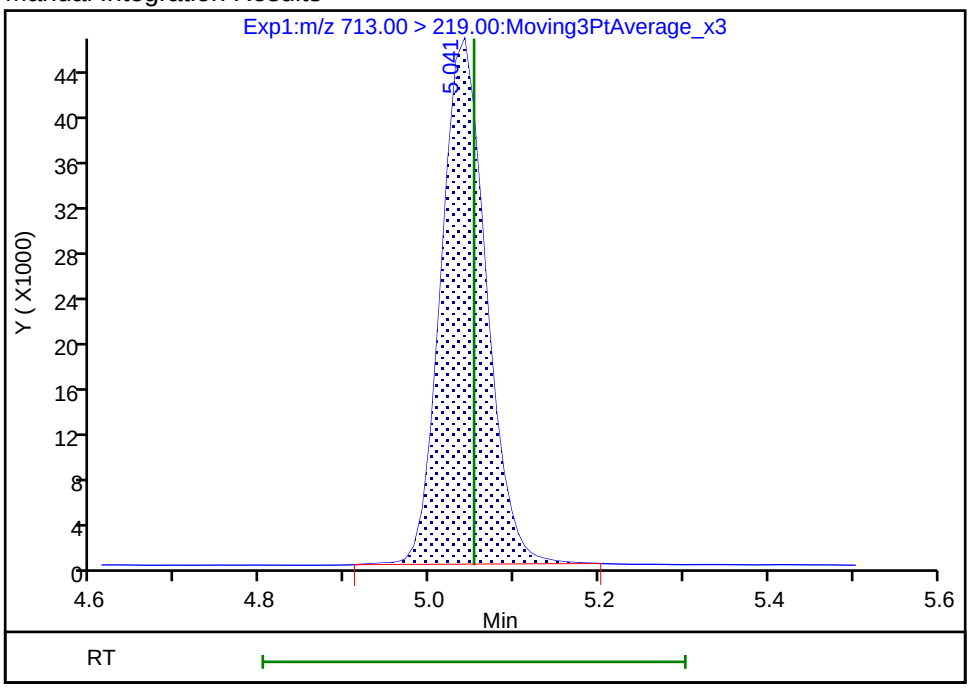
Processing Integration Results

RT: 5.04
Area: 173963
Amount: 1.011196
Amount Units: ng/ml



Manual Integration Results

RT: 5.04
Area: 172738
Amount: 1.011196
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:03:17
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

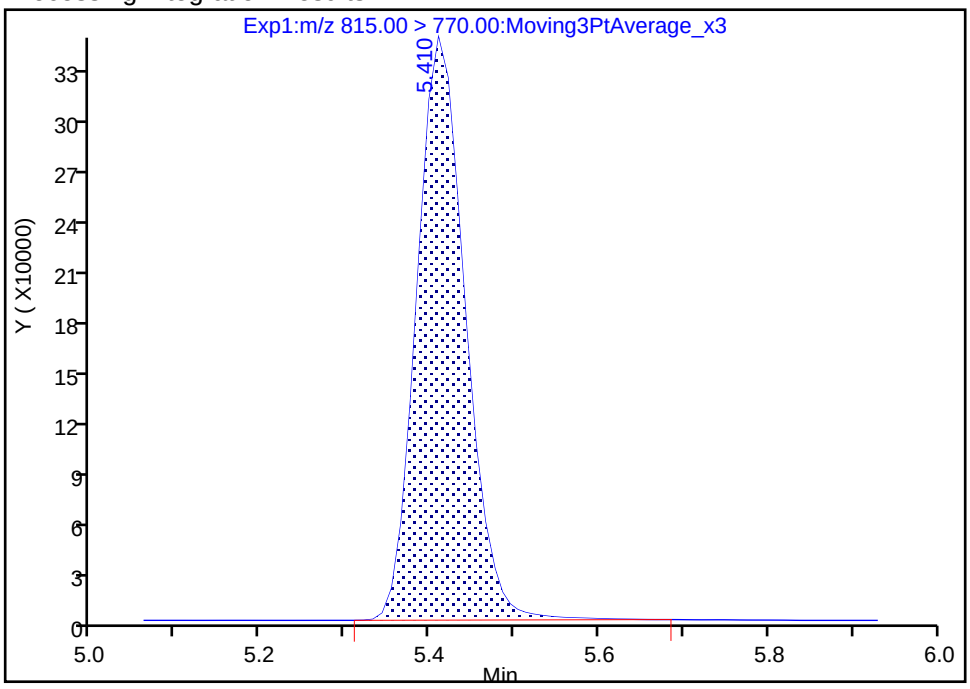
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d
Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

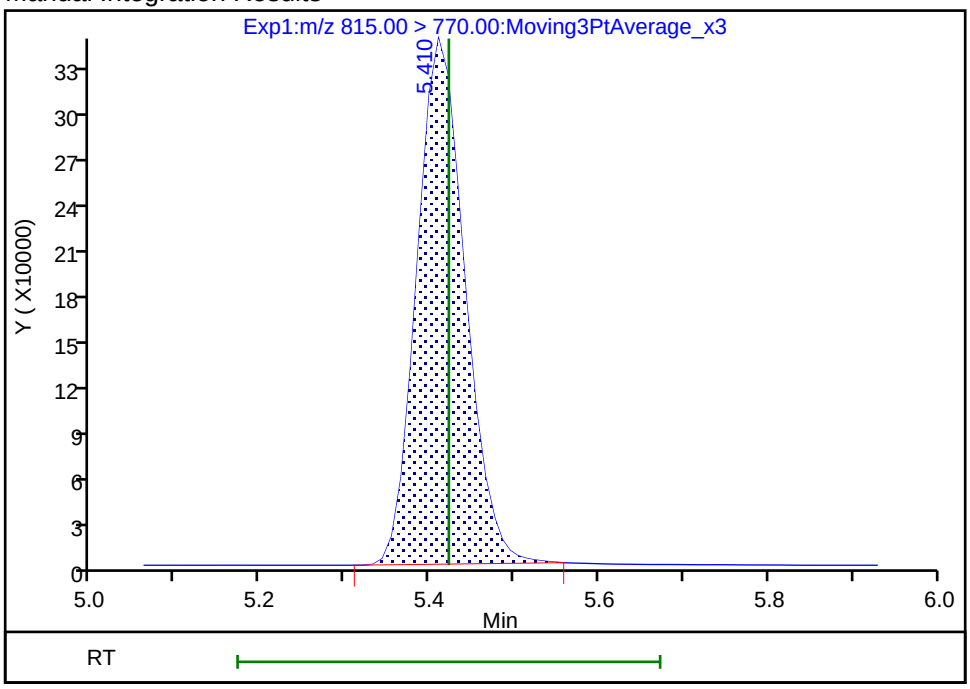
Processing Integration Results

RT: 5.41
Area: 1356920
Amount: 1.342504
Amount Units: ng/ml



Manual Integration Results

RT: 5.41
Area: 1343601
Amount: 1.329326
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:03:32
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

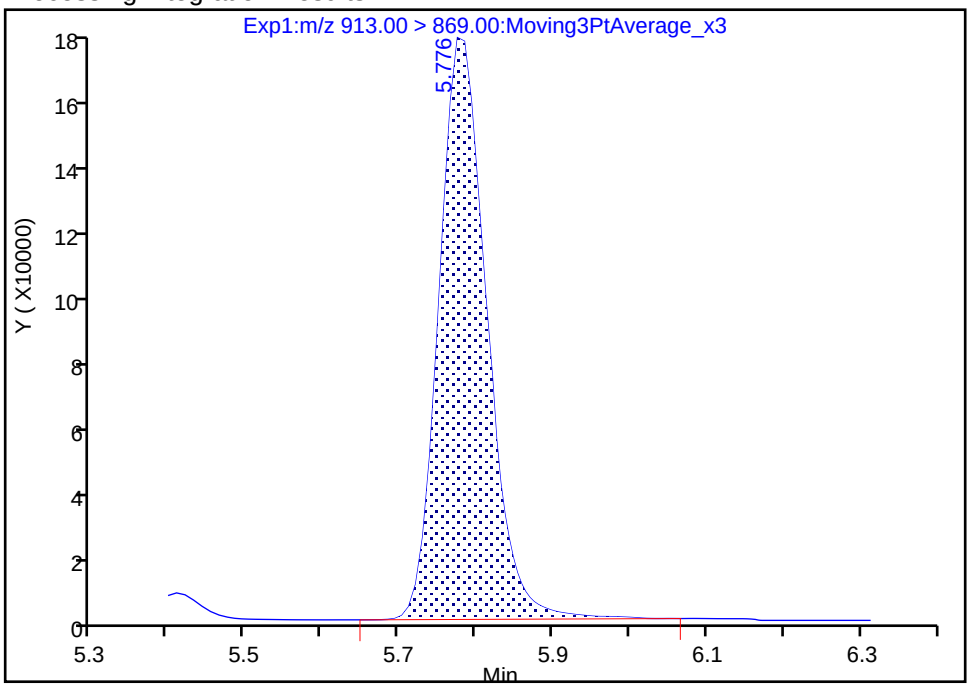
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B01.d
Injection Date: 04-Aug-2022 14:01:09 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

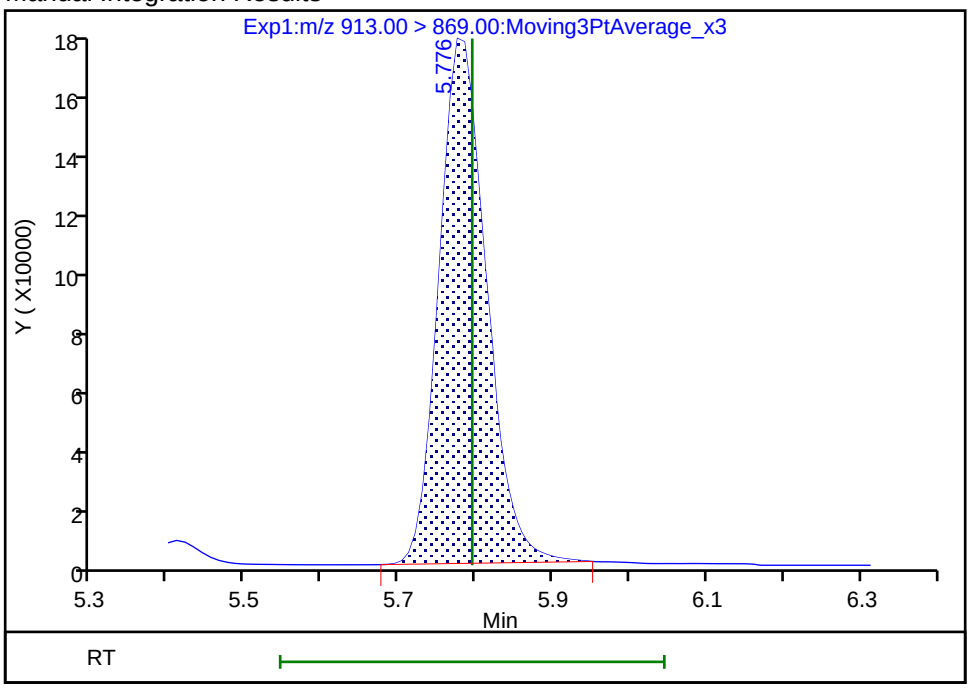
Processing Integration Results

RT: 5.78
Area: 747552
Amount: 1.035719
Amount Units: ng/ml



Manual Integration Results

RT: 5.78
Area: 738436
Amount: 1.033230
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:03:37
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Lab Sample ID: CCV 200-182375/13 Calibration Date: 08/04/2022 15:39

Instrument ID: LC812 Calib Start Date: 08/03/2022 13:00

GC Column: C-18 ID: 4.60(mm) Calib End Date: 08/03/2022 13:41

Lab File ID: PA220804B13.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	0.9697	0.8700		2.24	2.50	-10.3	
Perfluoropentanoic acid (PFPeA)	AveID	1.031	0.9595		2.33	2.50	-6.9	
Perfluorobutanesulfonic acid (PFBS)	AveID	1.104	1.007		2.02	2.21	-8.8	
1H,1H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	2.377	2.278		2.24	2.34	-4.1	
Perfluorohexanoic acid (PFHxA)	AveID	1.043	0.9900		2.37	2.50	-5.1	
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.297	1.150		2.08	2.35	-11.3	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.075	0.998		2.32	2.50	-7.1	
Perfluoroheptanoic acid (PFHpA)	AveID	1.031	0.9809		2.38	2.50	-4.8	
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.103	0.9927		2.05	2.28	-10.0	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	4.119	3.938		2.25	2.36	-4.4	
6:2 FTS	L1ID		1.461		2.36	2.37	-0.4	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.236	1.145		2.20	2.38	-7.4	
Perfluorooctanoic acid (PFOA)	AveID	1.121	1.016		2.27	2.50	-9.4	
Perfluorooctanesulfonic acid (PFOS)	L1ID		0.9780		2.26	2.32	-2.5	30.0
Perfluorononanoic acid (PFNA)	AveID	1.017	0.9287		2.28	2.50	-8.7	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	AveID	1.766	1.662		2.19	2.33	-5.9	
Perfluorononanesulfonic acid (PFNS)	AveID	0.7830	0.7155		2.19	2.40	-8.6	
8:2 FTS	AveID	0.9657	0.9397		2.33	2.40	-2.7	
Perfluorodecanoic acid (PFDA)	AveID	1.052	0.9649		2.29	2.50	-8.3	
Perfluorooctanesulfonamide (FOSA)	AveID	1.019	0.9872		2.42	2.50	-3.1	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.8881	0.8747		2.46	2.50	-1.5	
Perfluorodecanesulfonic acid (PFDS)	AveID	0.5827	0.5444		2.25	2.41	-6.6	
Perfluoroundecanoic acid (PFUnA)	AveID	1.059	0.9887		2.33	2.50	-6.7	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.9079	0.8270		2.28	2.50	-8.9	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	AveID	2.299	2.069		2.12	2.36	-10.0	
Perfluorododecanoic acid (PFDoA)	AveID	1.014	0.9460		2.33	2.50	-6.7	
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	AveID	0.4511	0.4351		2.32	2.41	-3.6	
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.2587	0.2565		2.40	2.42	-0.8	

FORM VII 537 (modified)

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Lab Sample ID: CCV 200-182375/13 Calibration Date: 08/04/2022 15:39

Instrument ID: LC812 Calib Start Date: 08/03/2022 13:00

GC Column: C-18 ID: 4.60(mm) Calib End Date: 08/03/2022 13:41

Lab File ID: PA220804B13.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorotridecanoic acid (PFTriA)	AveID	0.8791	0.8833		2.51	2.50	0.5	
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1602	0.1492		2.33	2.50	-6.9	
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		0.8590		2.38	2.50	-4.7	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.6649	0.6626		2.49	2.50	-0.3	
13C4 PFBA	Ave	1.167	1.055		1.13	1.25	-9.6	
13C5 PFPeA	Ave	0.8976	0.8652		1.21	1.25	-3.6	
13C3 PFBS	Ave	1.039	0.9804		1.10	1.16	-5.6	
M2-4:2 FTS	Ave	0.0894	0.0862		1.13	1.17	-3.6	
13C2 PFHxA	Ave	0.8962	0.8362		1.17	1.25	-6.7	
13C3 HFPO-DA	Ave	0.1687	0.1592		1.18	1.25	-5.6	
13C4 PFHpA	Ave	0.9296	0.8645		1.16	1.25	-7.0	50.0
18O2 PFHxS	Ave	0.7305	0.7058		1.14	1.18	-3.4	50.0
M2-6:2 FTS	Ave	0.1223	0.1104		1.07	1.19	-9.7	
13C4 PFOA	Ave	0.9525	0.9221		1.21	1.25	-3.2	50.0
13C4 PFOS	Ave	0.5455	0.5052		1.11	1.20	-7.4	50.0
13C5 PFNA	Ave	0.9889	0.9680		1.22	1.25	-2.1	50.0
13C2 PFDA	Ave	0.9624	0.9534		1.24	1.25	-0.9	
M2-8:2 FTS	Ave	0.1471	0.1419		1.16	1.20	-3.5	
13C8 FOSA	Ave	0.8423	0.7706		1.14	1.25	-8.5	
d3-NMeFOSAA	Ave	0.1290	0.1007		0.976	1.25	-21.9	
13C2 PFUnA	Ave	0.7292	0.7144		1.23	1.25	-2.0	
d5-NEtFOSAA	Ave	0.1221	0.1056		1.08	1.25	-13.5	
13C2 PFDoA	Ave	0.7556	0.7643		1.26	1.25	1.1	
13C2 PFTeDA	Ave	0.6177	0.6824		1.38	1.25	10.5	
13C2 PFHxDA	Ave	0.7037	0.7271		1.29	1.25	3.3	

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Lims ID: CCV L5
Client ID:
Sample Type: CCV
Inject. Date: 04-Aug-2022 15:39:24 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: CCV L5
Misc. Info.: 200-0051959-013 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812
Sublist: chrom-PFC_LC812*sub3

Method: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 05-Aug-2022 12:54:43 Calib Date: 03-Aug-2022 13:41:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1640

First Level Reviewer: nampitakw Date: 05-Aug-2022 10:38:17
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										M
217.00 > 172.00	2.076	2.076	0.0	0.599	2425622	1.13		90.4	10102	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.076	2.085	-0.009	1.000	4220659	2.24		89.7	441	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.386	2.400	-0.014	0.689	1989526	1.20		96.4	3468	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.386	2.400	-0.014	1.000	3817994	2.33		93.1	165	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.400	2.413	-0.013	0.693	2096675	1.10		94.4	330304	M
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.413	2.413	0.0	1.006	4012688	2.02	Target=2.23	91.2	3420	
298.90 > 99.00	2.413	2.413	0.0	1.006	1906039		2.11(1.11-3.34)		1327	
D 60 M2-4:2 FTS										
329.00 > 81.00	2.701	2.713	-0.012	0.780	185095	1.13		96.4	196	
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.701	2.713	-0.012	1.000	843410	2.24		95.9	1885	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.737	2.750	-0.013	1.000	3807419	2.37	Target=12.24	94.9	654	M
313.00 > 119.00	2.737	2.750	-0.013	1.000	288961		13.18(6.12-18.36)		338	
D 7 13C2 PFHxA										
315.00 > 270.00	2.737	2.750	-0.013	0.790	1922952	1.17		93.3	3253	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.749	2.750	-0.001	0.884	3502917	2.08	Target=2.95	88.7	1543	M
349.00 > 99.00	2.749	2.750	-0.001	0.884	1176250		2.98(1.48-4.43)		1468	
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.847	2.859	-0.012	0.822	366007	1.18		94.4	1741	

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	2.859	-0.012	1.000	730727	2.32		92.9	1691	M
D 11 18O2 PFHxS										M
403.00 > 84.00	3.110	3.110	0.0	0.898	1535416	1.14		96.6	1784	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.110	3.110	0.0	1.000	2932269	2.05	Target=3.43	90.0	1678	M
399.00 > 99.00	3.110	3.110	0.0	1.000	860138		3.41(1.72-5.15)		716	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.110	3.121	-0.011	0.898	1988058	1.16		93.0	3005	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.110	3.121	-0.011	1.000	3900336	2.38	Target=3.73	95.2	1049	
363.00 > 169.00	3.110	3.121	-0.011	1.000	1007296		3.87(1.86-5.59)		1103	
77 DONA										M
377.00 > 251.00	3.154	3.154	0.0	0.834	8617750	2.25	Target=2.84	95.6	3488	
377.00 > 85.00	3.154	3.154	0.0	0.834	3119975		2.76(1.42-4.26)		1398	M
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.455	3.465	-0.010	0.997	241076	1.07		90.3	370	M
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.455	3.465	-0.010	1.000	703139	2.36		99.6	391	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.455	3.465	-0.010	0.914	2531651	2.20	Target=4.89	92.6	2940	
449.00 > 99.00	3.455	3.465	-0.010	0.914	523196		4.84(2.44-7.33)		1795	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.472	3.474	-0.002	1.003	4310812	2.27	Target=2.67	90.6	439	M
413.00 > 169.00	3.464	3.474	-0.010	1.000	1612444		2.67(1.34-4.01)		1034	M
D 14 13C4 PFOA										M
417.00 > 372.00	3.464	3.474	-0.010	1.000	2120557	1.21		96.8	1441	M
* 62 13C2 PFOA										M
415.00 > 370.00	3.464	3.474	-0.010		2299599	1.25			2453	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.791	3.792	-0.001	1.003	2108768	2.26	Target=4.88	97.5	928	M
499.00 > 99.00	3.782	3.792	-0.010	1.000	455051		4.63(2.44-7.32)		1104	M
D 18 13C4 PFOS										M
503.00 > 80.00	3.782	3.792	-0.010	1.092	1110581	1.11		92.6	1373	M
20 Perfluorononanoic acid										M
463.00 > 419.00	3.811	3.812	-0.001	1.003	4134484	2.28	Target=8.23	91.3	1041	
463.00 > 169.00	3.811	3.812	-0.001	1.003	534231		7.74(4.11-12.34)		1077	M
D 19 13C5 PFNA										M
468.00 > 423.00	3.801	3.812	-0.011	1.097	2225978	1.22		97.9	1510	M
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.951	3.960	-0.009	1.045	3599672	2.19		94.1	3408	M
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.081	4.093	-0.012	1.079	1595990	2.19	Target=2.53	91.4	3102	
549.00 > 99.00	4.081	4.093	-0.012	1.079	661128		2.41(1.26-3.79)		1608	
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.115	4.116	-0.001	1.000	4231213	2.29	Target=9.67	91.7	1422	M
513.00 > 169.00	4.115	4.116	-0.001	1.000	465636		9.09(4.83-14.50)		1821	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 23 13C2 PFDA										M
515.00 > 470.00	4.115	4.116	-0.001	1.188	2192497	1.24		99.1	1382	M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.115	4.127	-0.012	1.000	587709	2.33		97.3	1409	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.115	4.127	-0.012	1.188	312712	1.16		96.5	980	
D 21 13C8 FOSA										M
506.00 > 78.00	4.161	4.161	0.0	1.201	1772068	1.14		91.5	1410	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.161	4.161	0.0	1.000	3498670	2.42		96.9	1636	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.261	4.261	0.0	1.003	405293	2.46		98.5	372	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.249	4.261	-0.012	1.227	231673	0.9762		78.1	343	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.353	4.365	-0.012	1.151	1219387	2.25	Target=2.80	93.4	1561	M
599.00 > 99.00	4.353	4.365	-0.012	1.151	493069		2.47(1.40-4.20)		1769	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.376	4.387	-0.011	1.263	1642888	1.22		98.0	1461	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.387	4.387	0.0	1.003	3248689	2.33	Target=9.07	93.3	1902	
563.00 > 169.00	4.387	4.387	0.0	1.003	361792		8.98(4.54-13.61)		1725	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.398	4.399	-0.001	1.003	401555	2.28		91.1	691	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.387	4.399	-0.012	1.267	242784	1.08		86.5	983	
66 11-Chloroeicosafluoro-3-oxaundec										M
631.00 > 451.00	4.478	4.491	-0.013	1.184	4528647	2.12		90.0	2032	M
D 36 13C2 PFDoA										M
615.00 > 570.00	4.622	4.633	-0.011	1.334	1757550	1.26		101	1591	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.622	4.633	-0.011	1.000	3325410	2.33	Target=6.97	93.3	396	M
613.00 > 169.00	4.622	4.633	-0.011	1.000	511168		6.51(3.48-10.45)		1244	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.643	4.654	-0.011	1.128	273804	2.32		96.4	828	M
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.803	4.813	-0.010	1.270	576977	2.40	Target=0.52	99.2	1369	M
699.00 > 99.00	4.803	4.813	-0.010	1.270	1066585		0.54(0.26-0.79)		1661	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.848	4.859	-0.011	1.049	3105051	2.51	Target=4.56	100	429	M
663.00 > 169.00	4.848	4.859	-0.011	1.049	679057		4.57(2.28-6.84)		1367	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.042	5.052	-0.010	1.456	1569138	1.38		110	1918	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.042	5.052	-0.010	1.000	468076	2.33	Target=0.94	93.1	1056	M
713.00 > 219.00	5.042	5.052	-0.010	1.000	494732		0.95(0.47-1.41)		1346	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	5.411	5.422	-0.011	1.000	2872603	2.38	Target=4.38	95.3	508	M
813.00 > 169.00	5.411	5.422	-0.011	1.000	667776		4.30(2.19-6.57)		1575	M
D 44 13C2 PFHxDA										M
815.00 > 770.00	5.411	5.422	-0.011	1.562	1672015	1.29		103	1770	M
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.776	5.795	-0.019	1.068	2215756	2.49	Target=4.31	99.7	367	M
913.00 > 169.00	5.776	5.795	-0.019	1.068	492889		4.50(2.16-6.47)		689	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

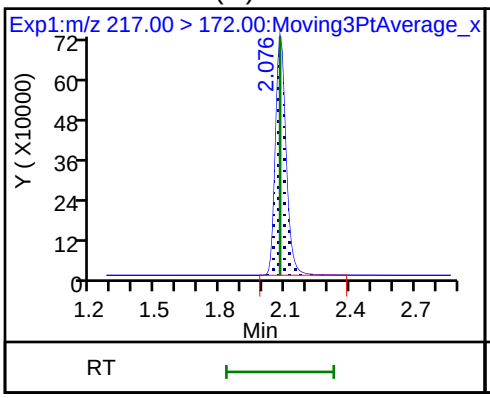
PFAS32NCIC5_00028 Amount Added: 100.00 Units: uL

Report Date: 05-Aug-2022 12:54:44 Chrom Revision: 2.3 04-Aug-2022 18:02:28

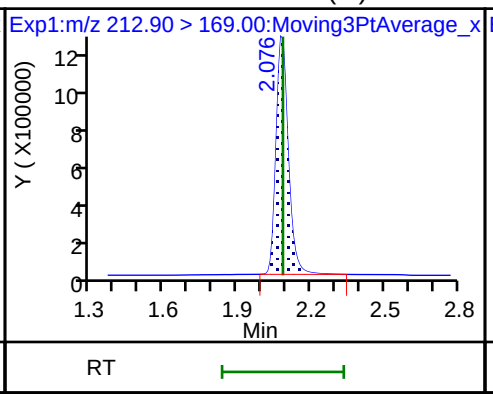
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL

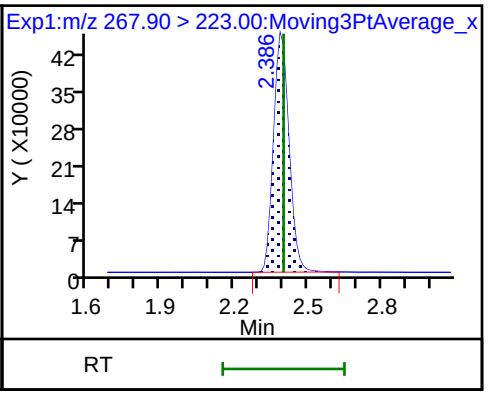
D 1 13C4 PFBA (M)



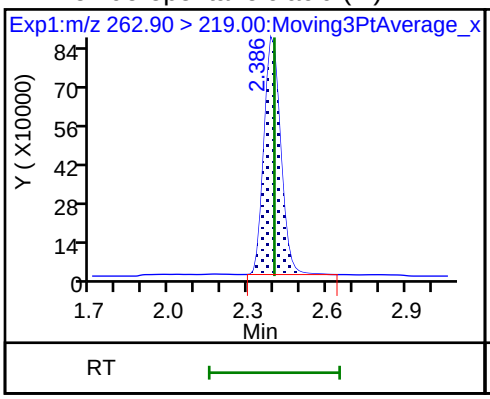
2 Perfluorobutanoic acid (M)



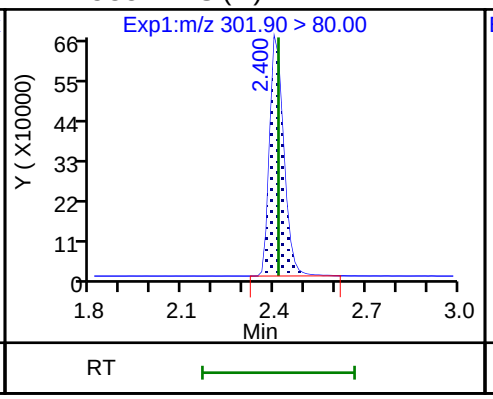
D 3 13C5 PFPeA



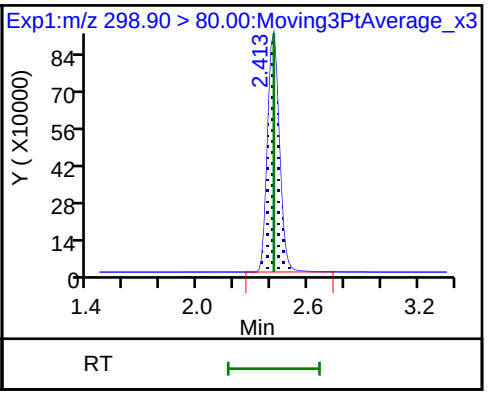
4 Perfluoropentanoic acid (M)



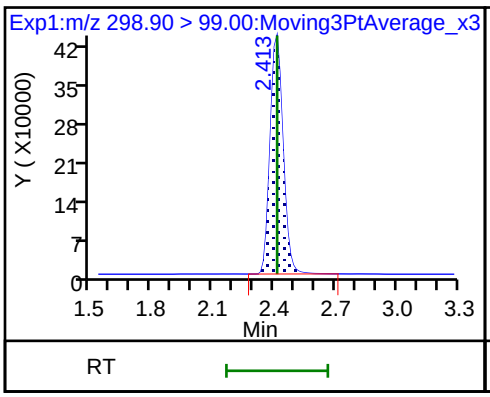
D 47 13C3 PFBS (M)



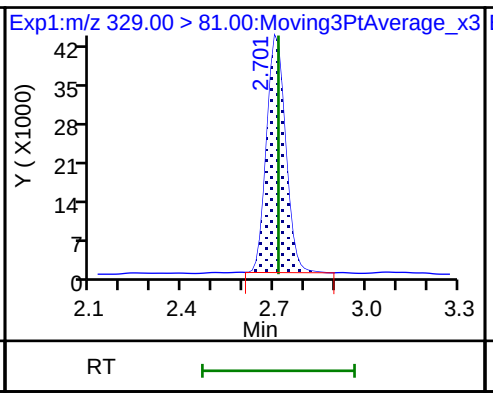
5 Perfluorobutanesulfonic acid



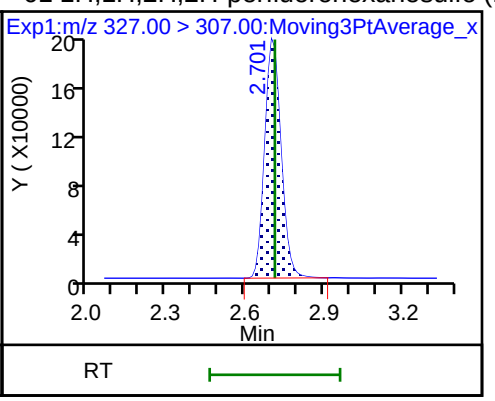
5 Perfluorobutanesulfonic acid



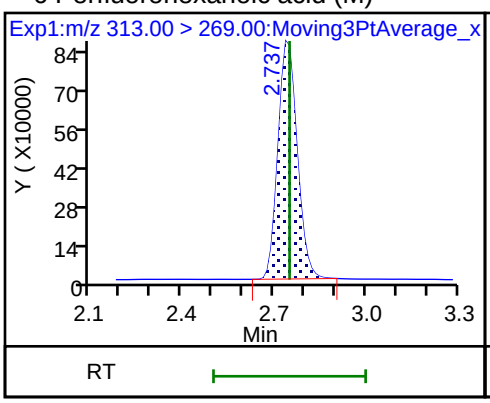
D 60 M2-4:2 FTS



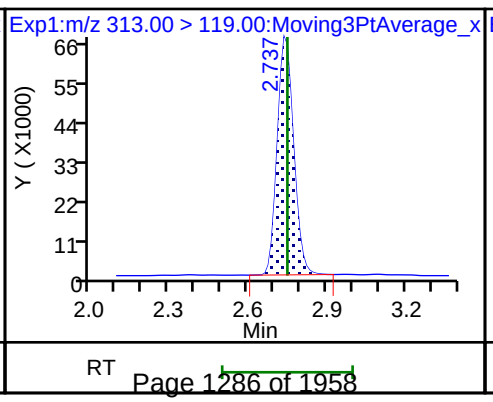
61 1H,1H,2H,2H-perfluorohexanesulfo (M)



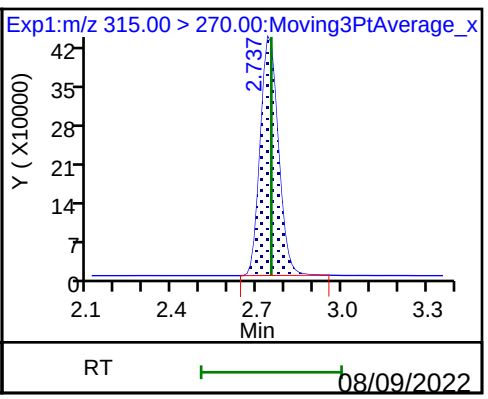
6 Perfluorohexanoic acid (M)



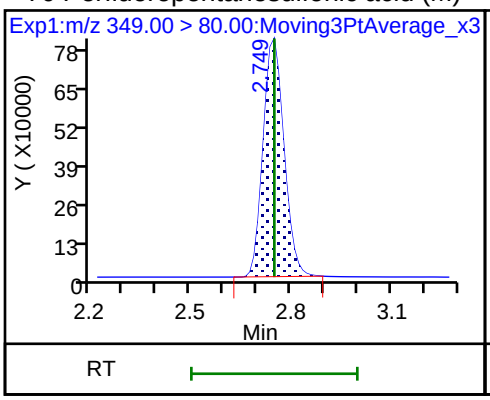
6 Perfluorohexanoic acid



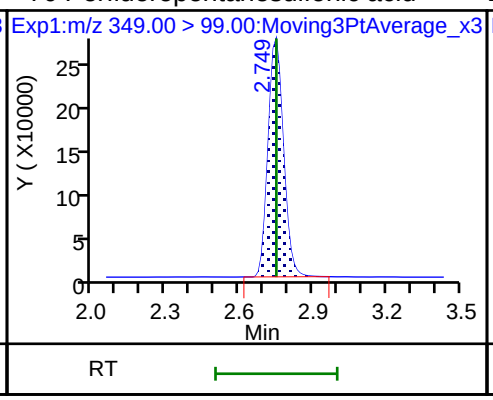
D 7 13C2 PFHxA



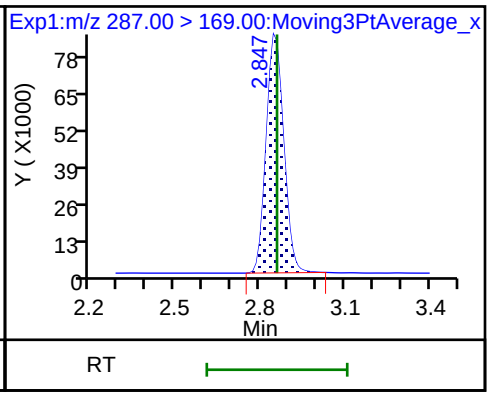
70 Perfluoropentanesulfonic acid (M)



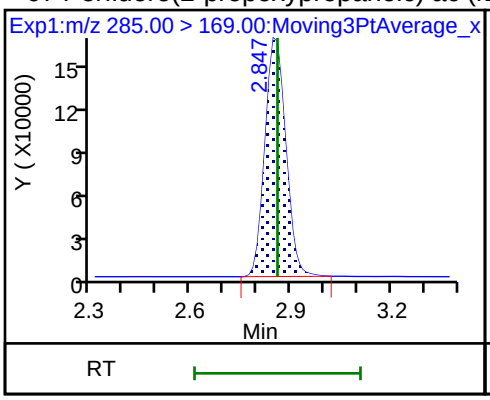
70 Perfluoropentanesulfonic acid



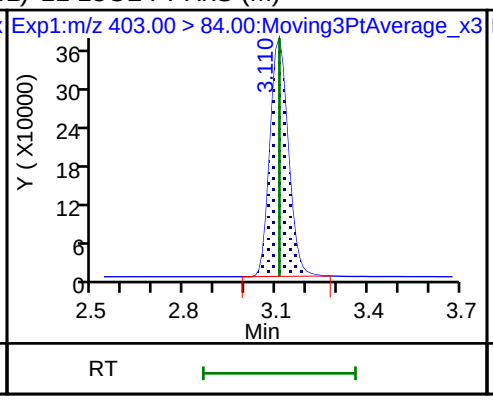
D 64 13C3 HFPO-DA



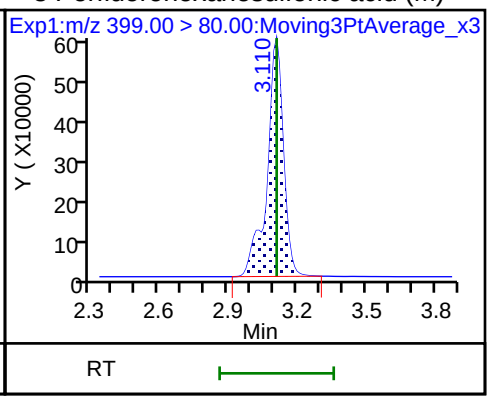
67 Perfluoro(2-propoxypropanoic) ac (M)



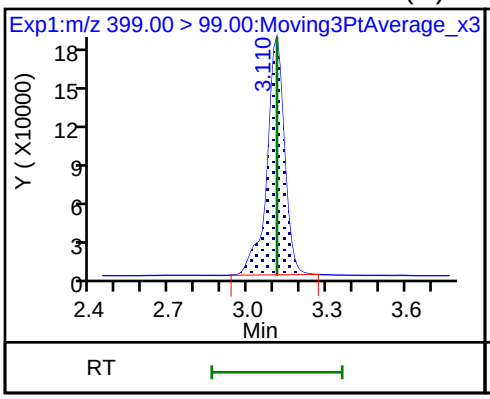
D 11 18O2 PFHxS (M)



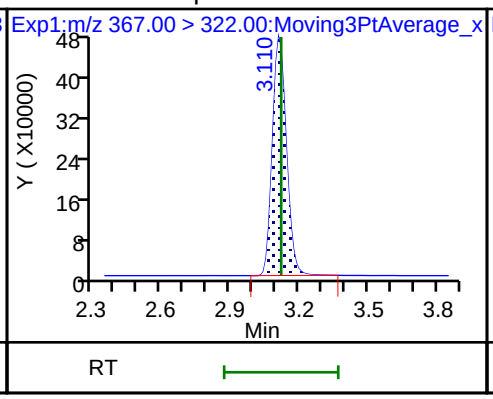
8 Perfluorohexanesulfonic acid (M)



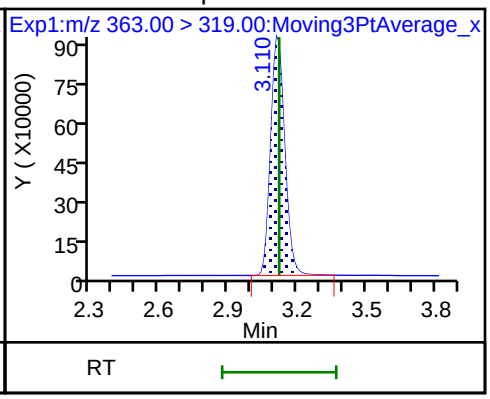
8 Perfluorohexanesulfonic acid (M)



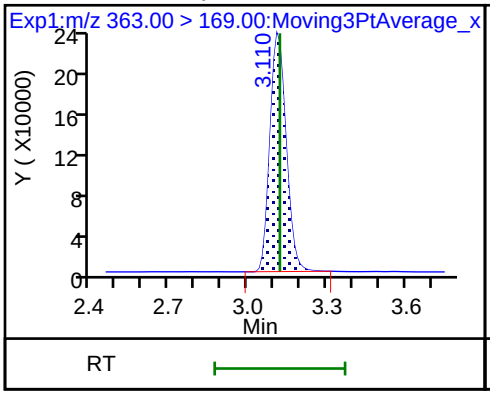
D 9 13C4 PFHpA



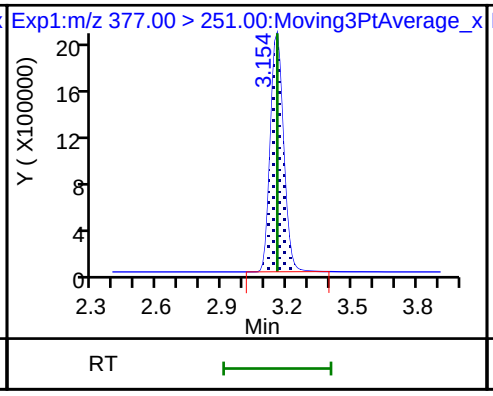
10 Perfluoroheptanoic acid



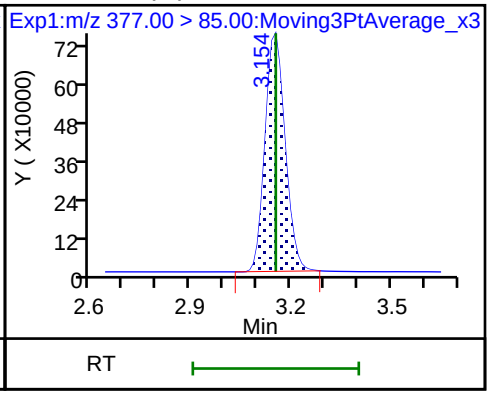
10 Perfluoroheptanoic acid



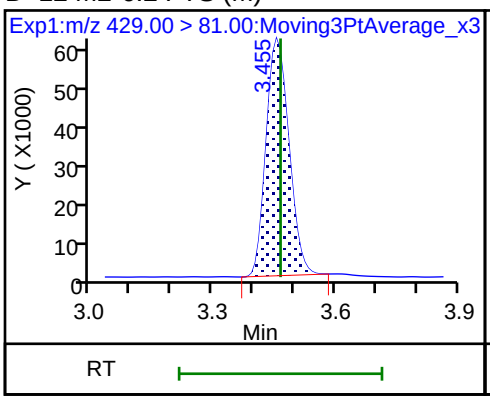
77 DONA



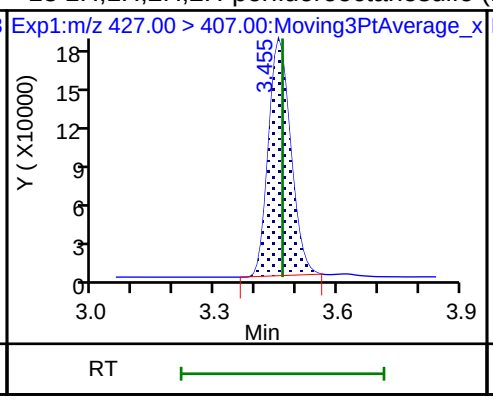
77 DONA (M)



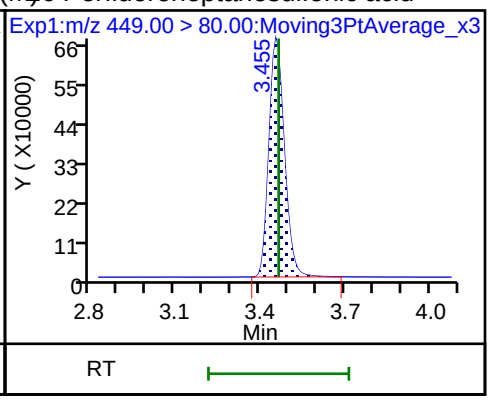
D 12 M2-6:2 FTS (M)



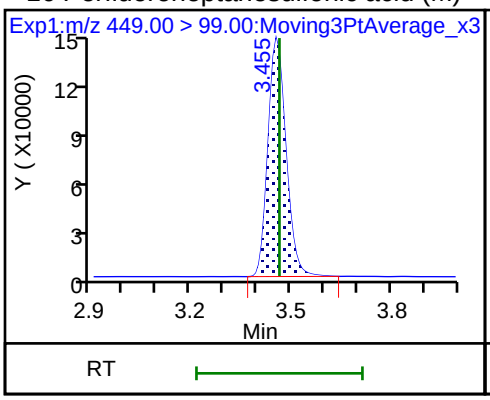
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



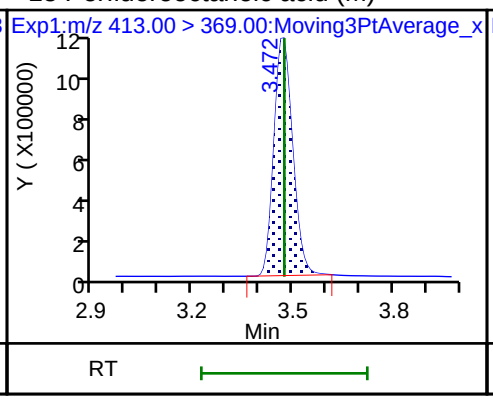
16 Perfluoroheptanesulfonic acid



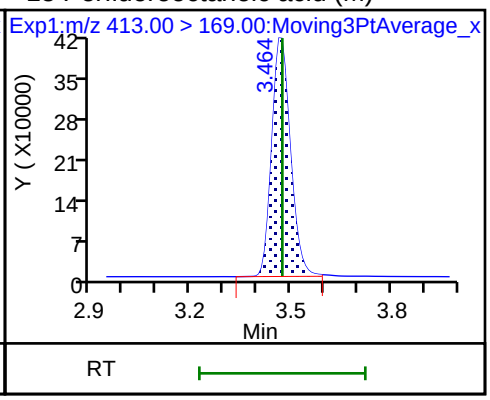
16 Perfluoroheptanesulfonic acid (M)



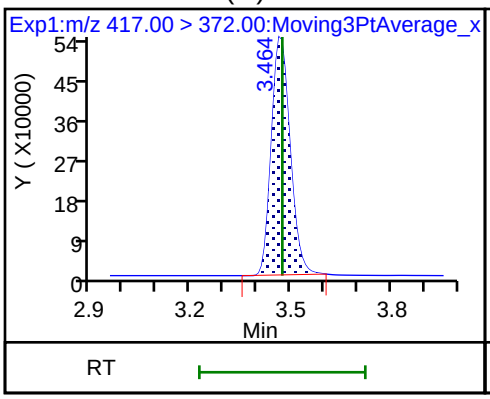
15 Perfluorooctanoic acid (M)



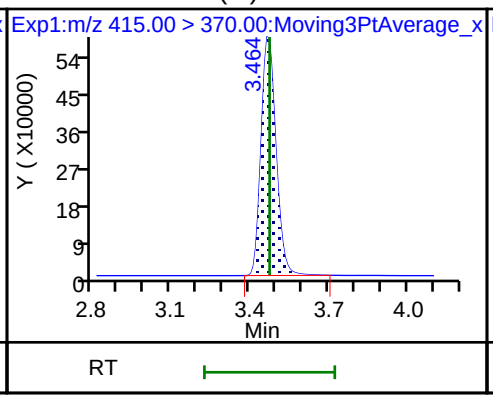
15 Perfluorooctanoic acid (M)



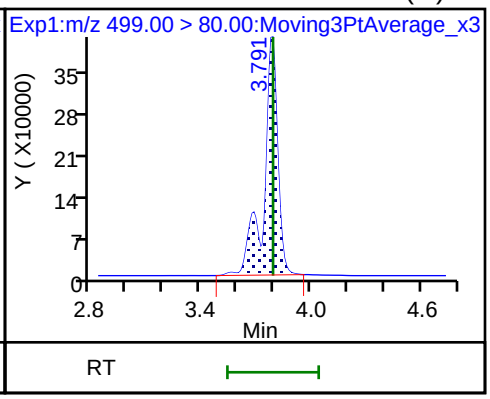
D 14 13C4 PFOA (M)



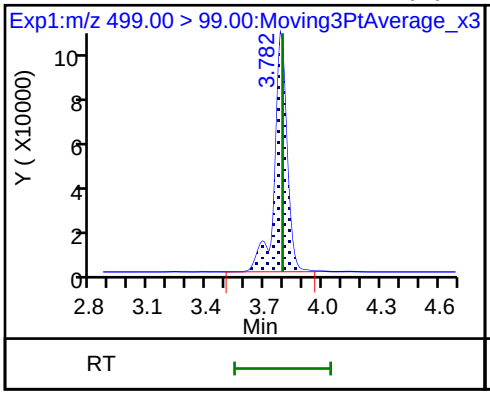
* 62 13C2 PFOA (M)



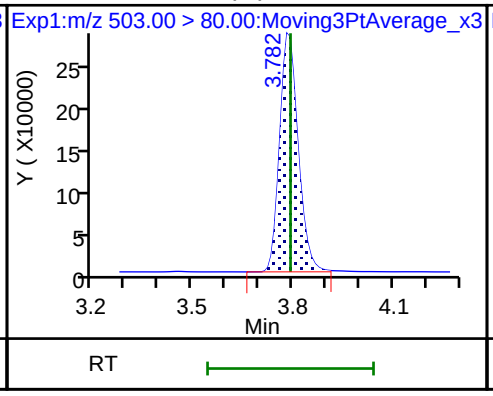
17 Perfluorooctanesulfonic acid (M)



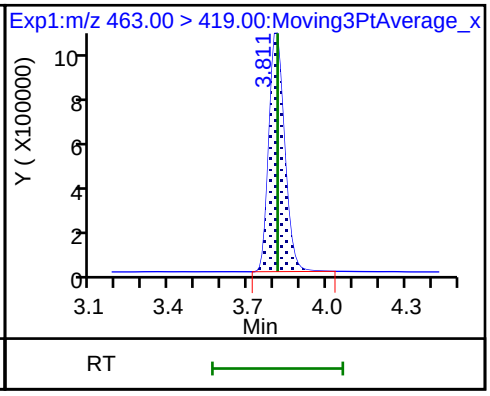
17 Perfluorooctanesulfonic acid (M)



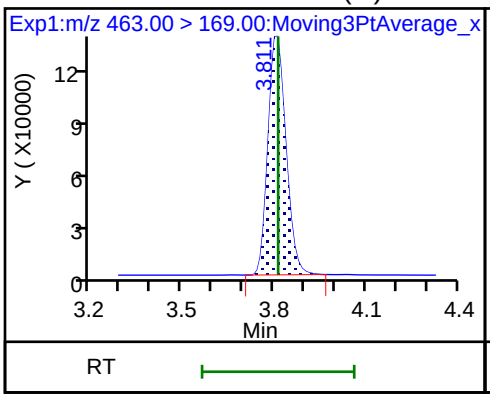
D 18 13C4 PFOS (M)



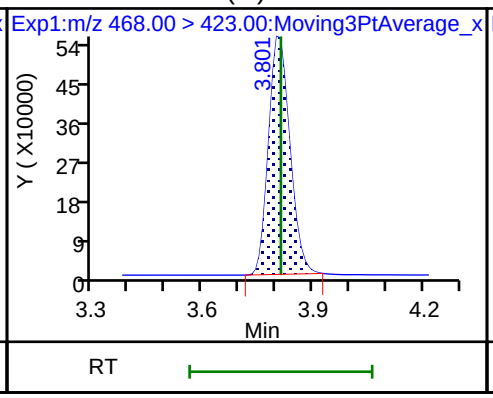
20 Perfluorononanoic acid



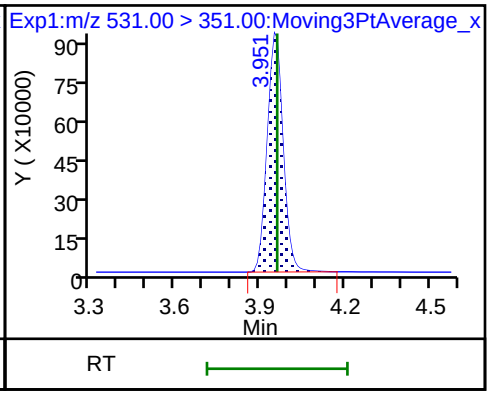
20 Perfluorononanoic acid (M)



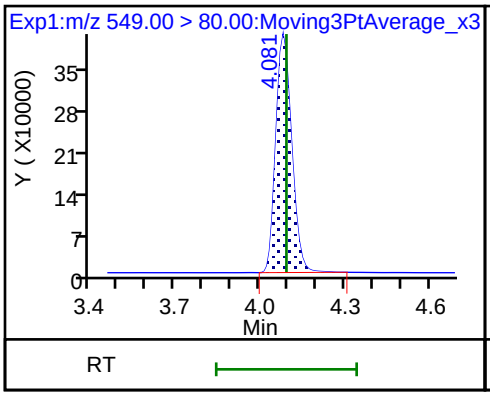
D 19 13C5 PFNA (M)



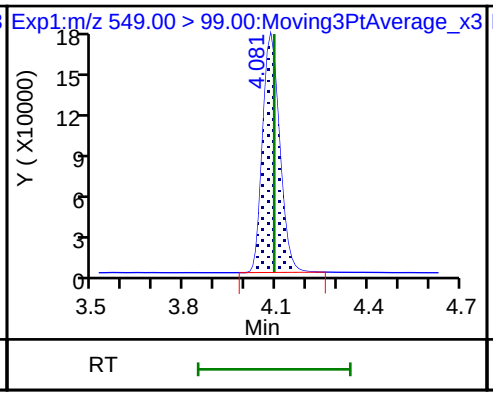
69 9-Chlorohexadecafluoro-3-oxanona (M)



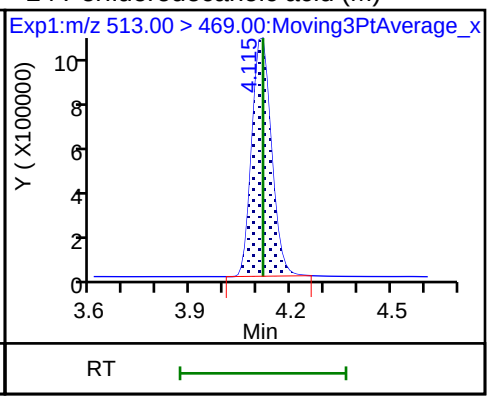
68 Perfluorononanesulfonic acid



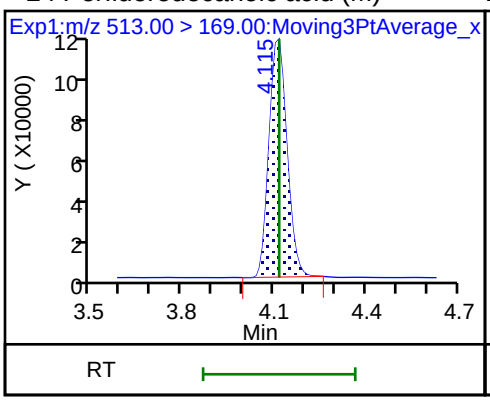
68 Perfluorononanesulfonic acid



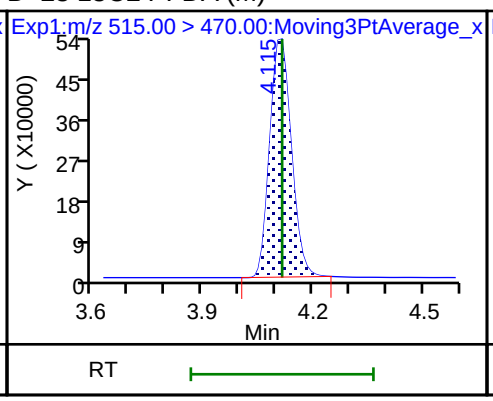
24 Perfluorodecanoic acid (M)



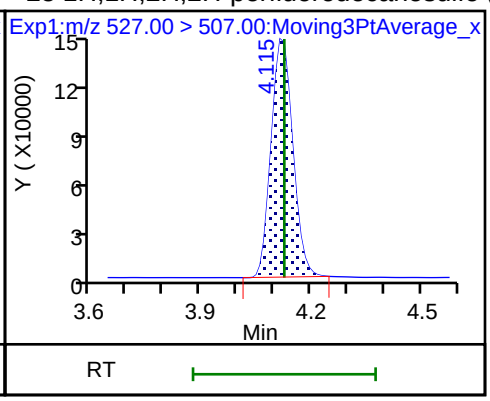
24 Perfluorodecanoic acid (M)



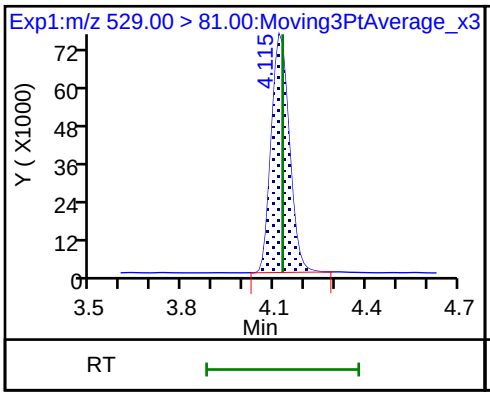
D 23 13C2 PFDA (M)



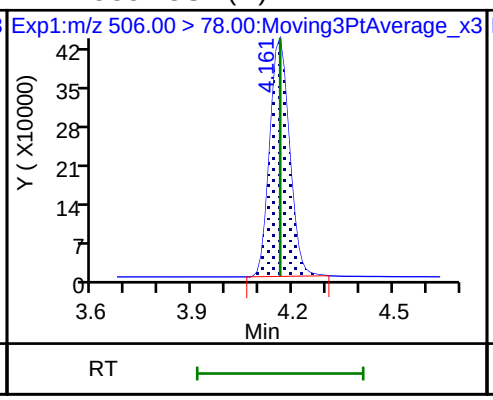
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



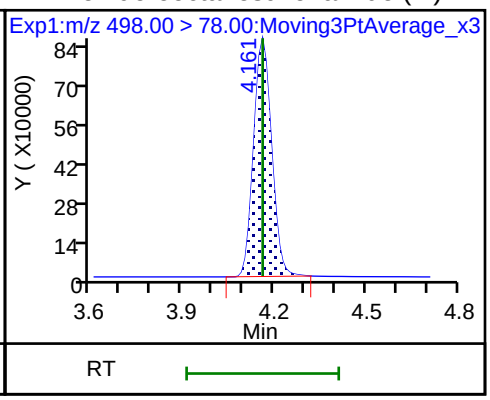
D 26 M2-8:2 FTS



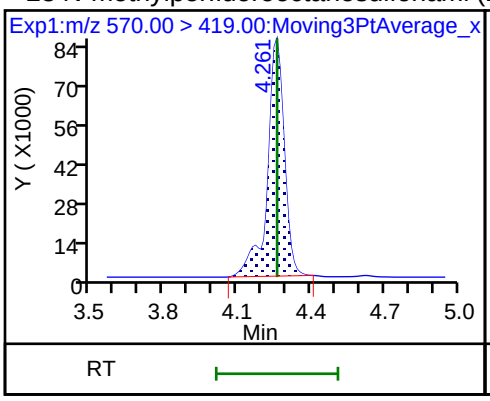
D 21 13C8 FOSA (M)



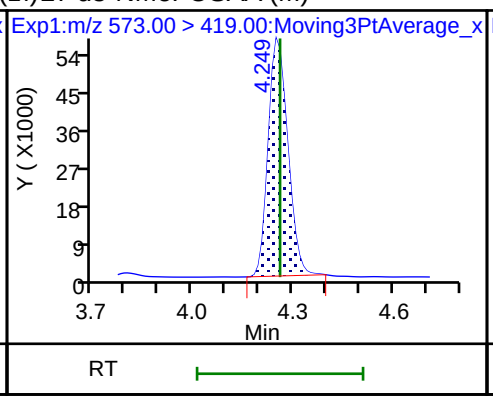
22 Perfluorooctanesulfonamide (M)



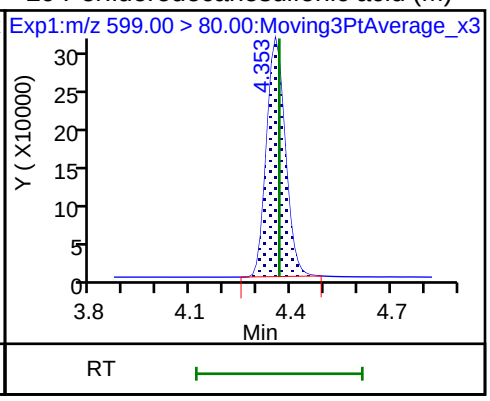
28 N-methylperfluorooctanesulfonami (M)



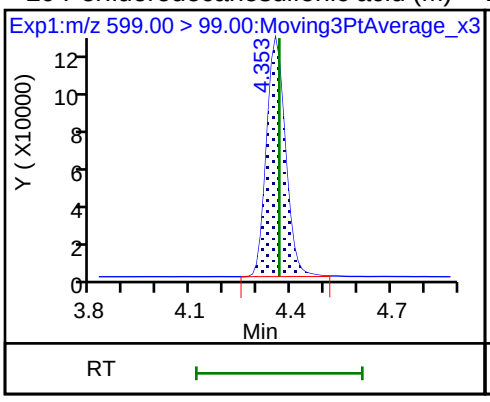
D 27 d3-NMeFOSAA (M)



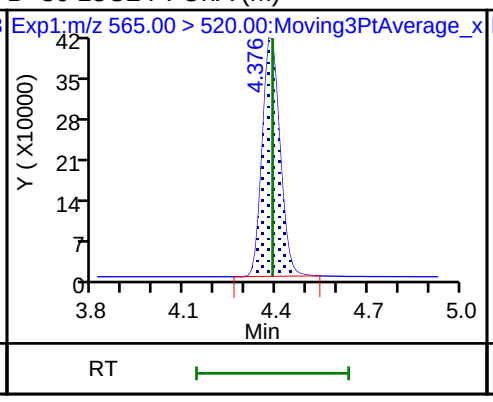
29 Perfluorodecanesulfonic acid (M)



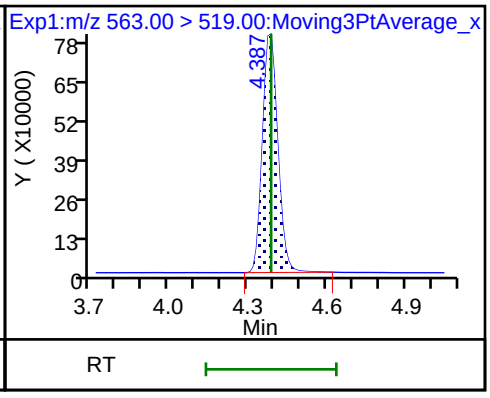
29 Perfluorodecanesulfonic acid (M)



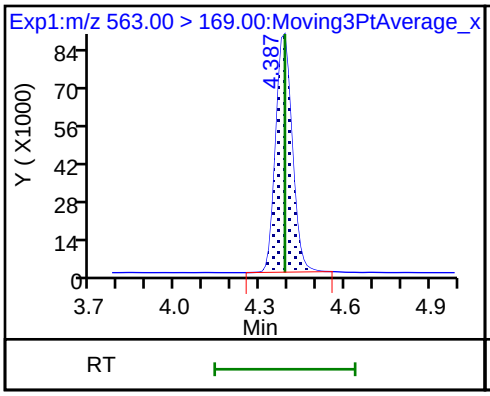
D 30 13C2 PFUnA (M)



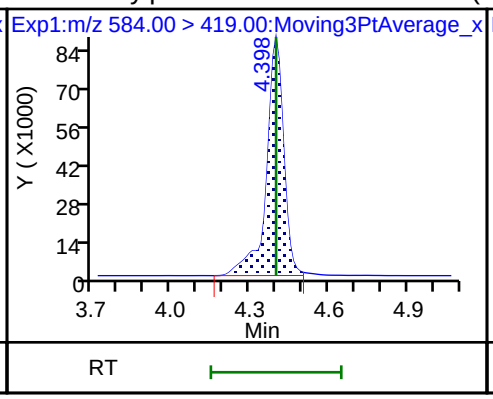
31 Perfluoroundecanoic acid



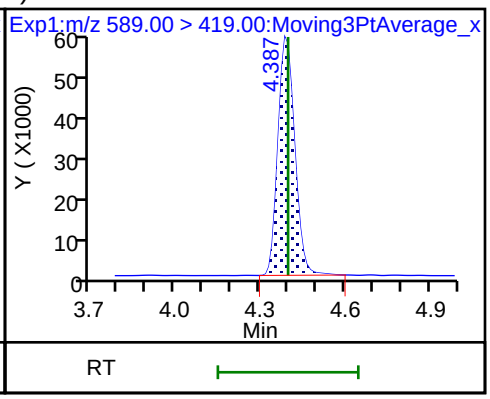
31 Perfluoroundecanoic acid



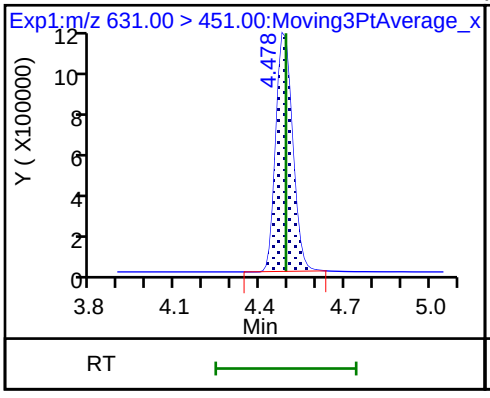
33 N-ethylperfluorooctanesulfonamid (M)



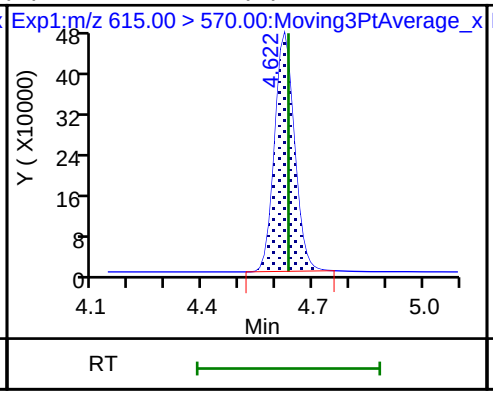
D 32 d5-NEtFOSAA



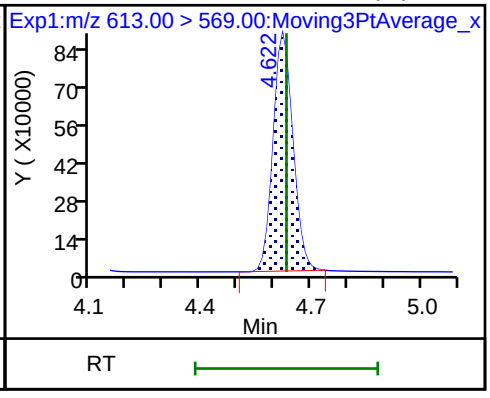
66 11-Chloroeicosafluoro-3-oxaundec (M)



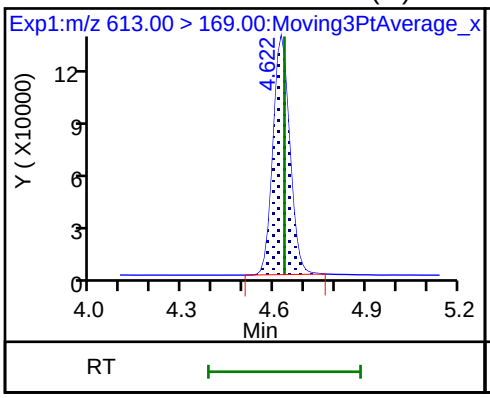
D 36 13C2 PFDoA (M)



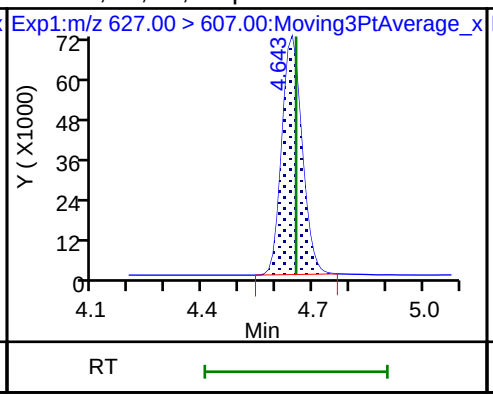
37 Perfluorododecanoic acid (M)



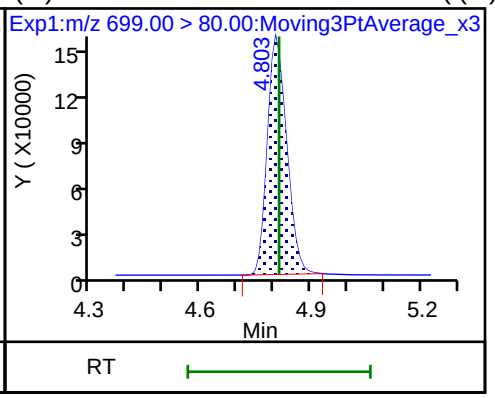
37 Perfluorododecanoic acid (M)



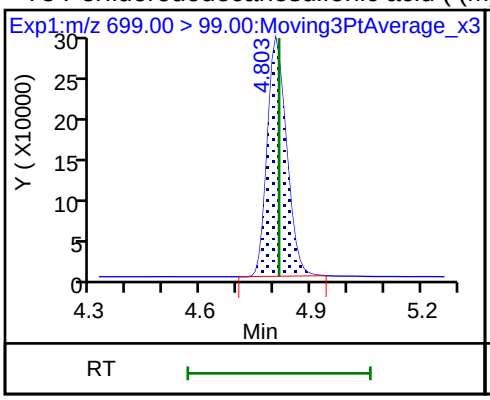
74 1H,1H,2H,2H-perfluorododecanesul (M)



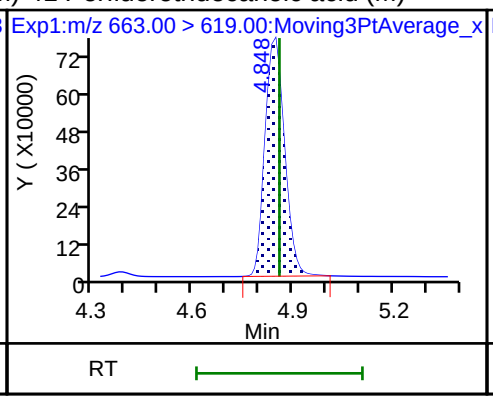
75 Perfluorododecanesulfonic acid ((M)



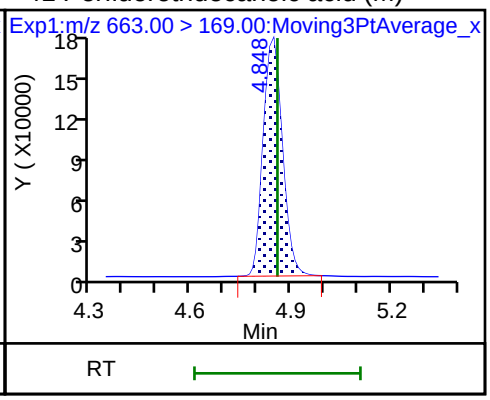
75 Perfluorododecanesulfonic acid ((M)



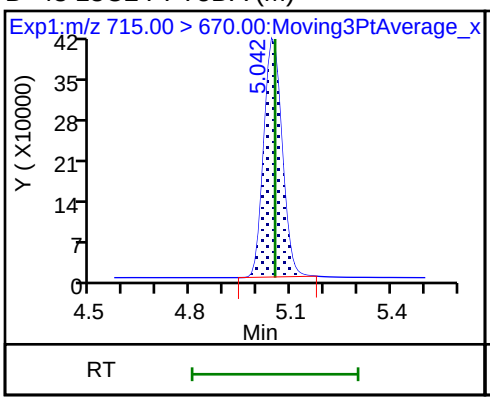
41 Perfluorotridecanoic acid (M)



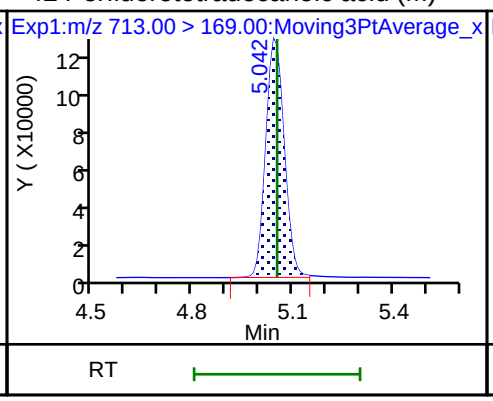
41 Perfluorotridecanoic acid (M)



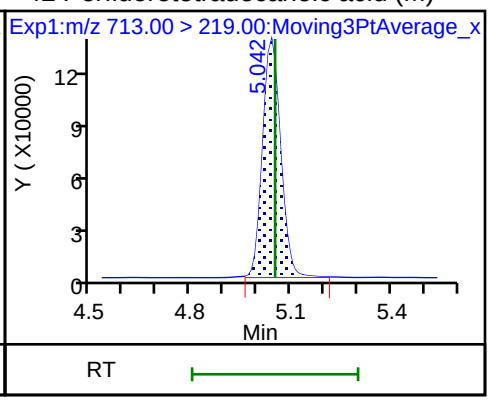
D 43 13C2 PFTeDA (M)



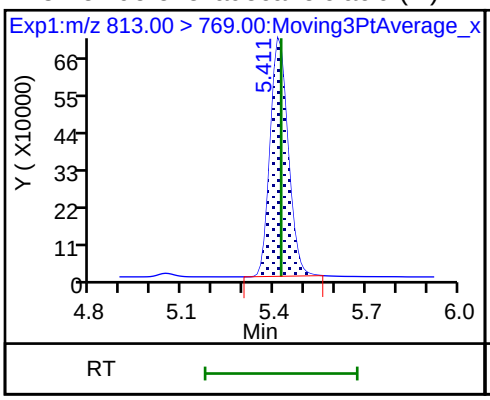
42 Perfluorotetradecanoic acid (M)



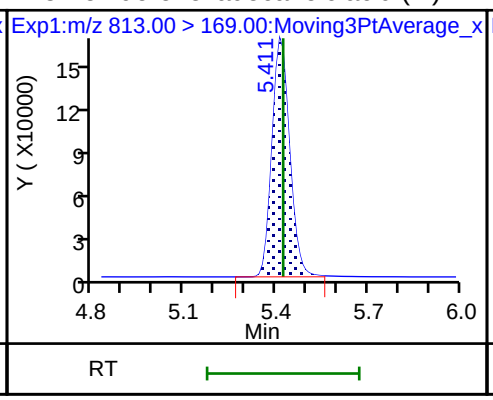
42 Perfluorotetradecanoic acid (M)



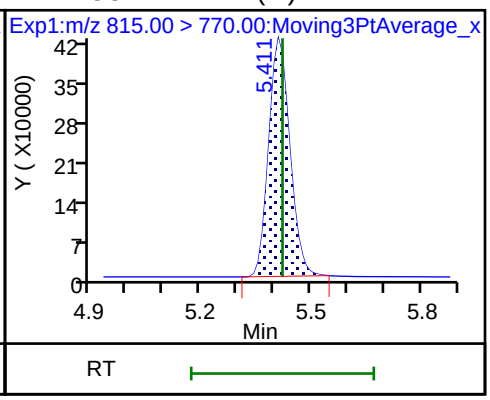
45 Perfluorohexadecanoic acid (M)



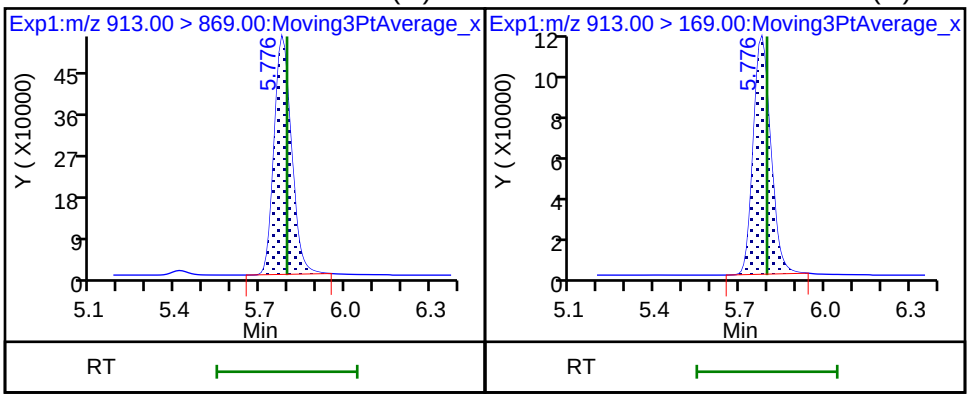
45 Perfluorohexadecanoic acid (M)



D 44 13C2 PFHxDA (M)



46 Perfluorooctadecanoic acid (M) 46 Perfluorooctadecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins Burlington

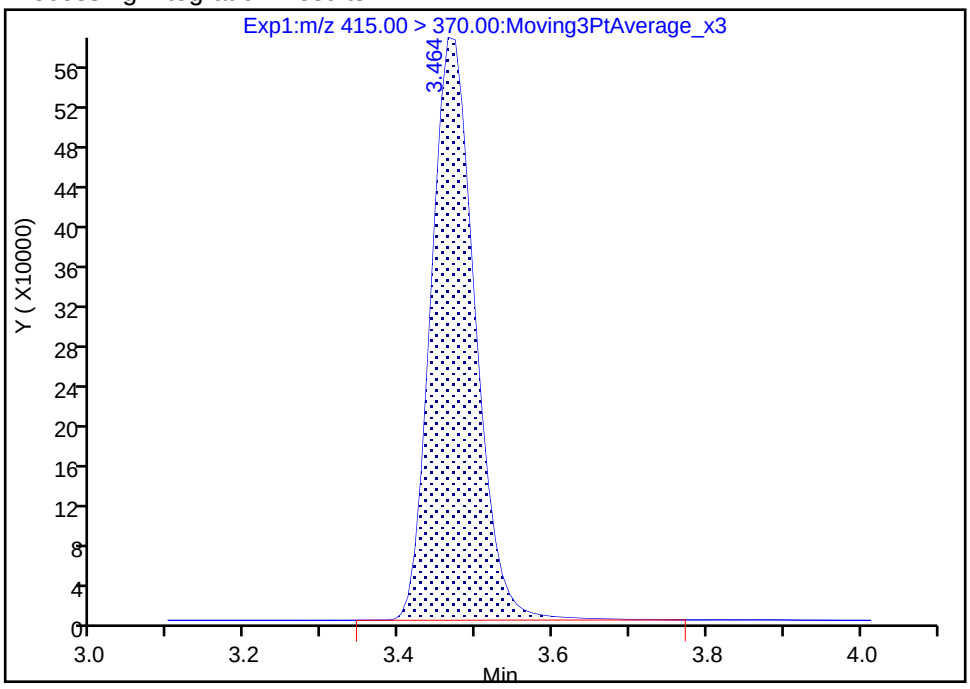
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

* 62 13C2 PFOA, CAS: STL00623

Signal: 1

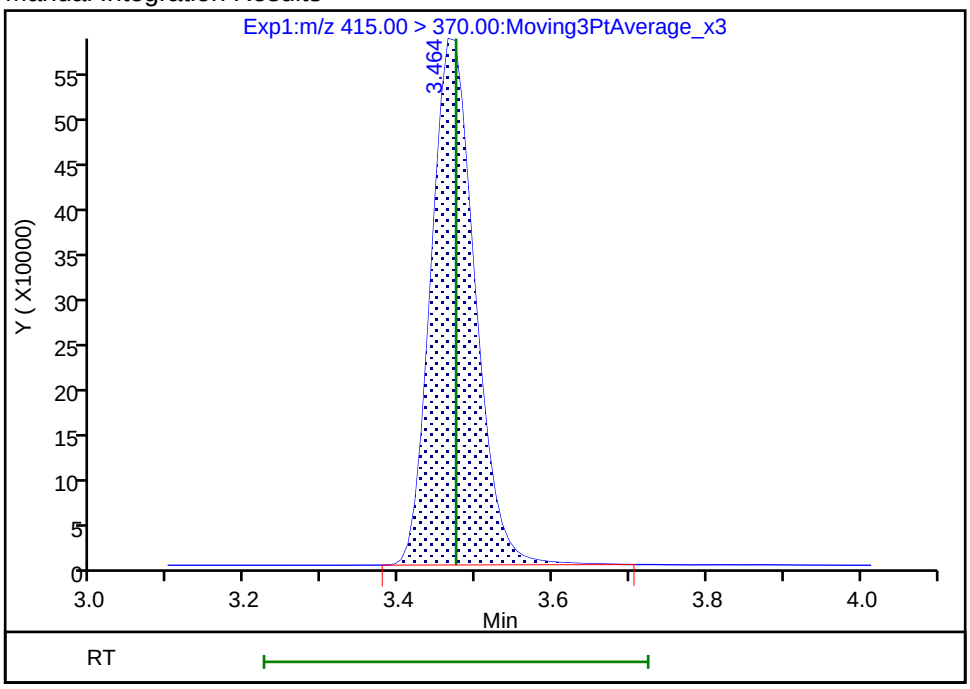
Processing Integration Results

RT: 3.46
Area: 2304292
Amount: 1.250000
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 2299599
Amount: 1.250000
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:34:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

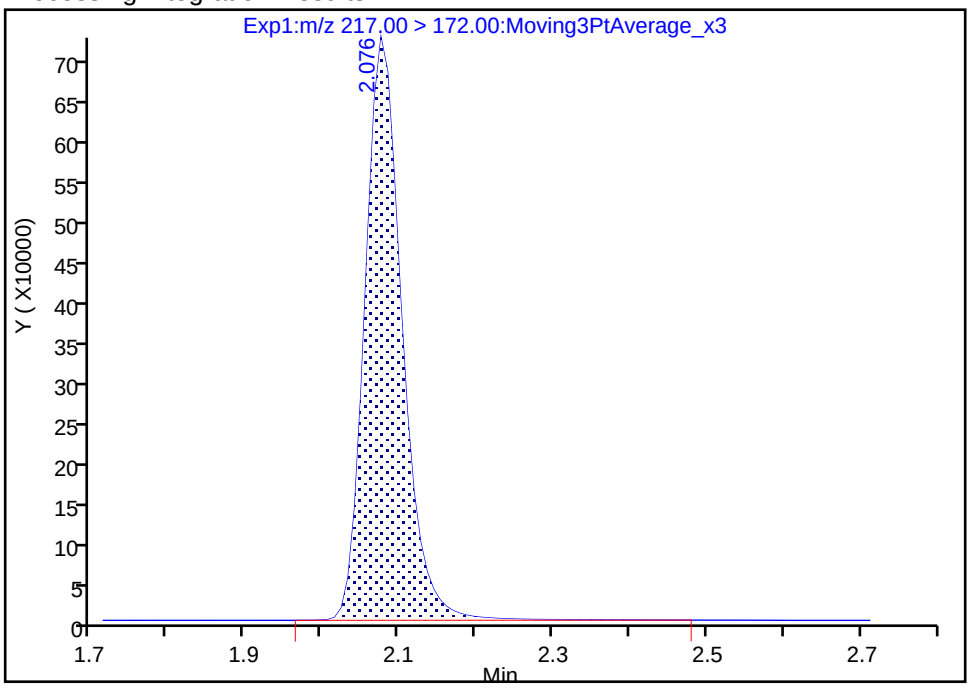
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

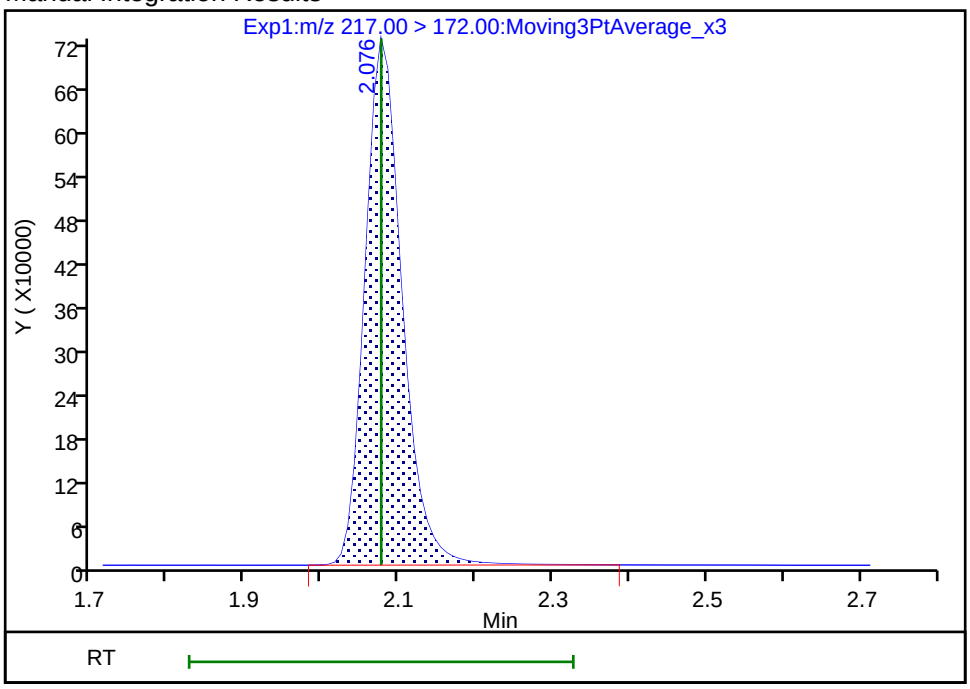
Processing Integration Results

RT: 2.08
Area: 2428973
Amount: 1.131340
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 2425622
Amount: 1.129779
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:05:39
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

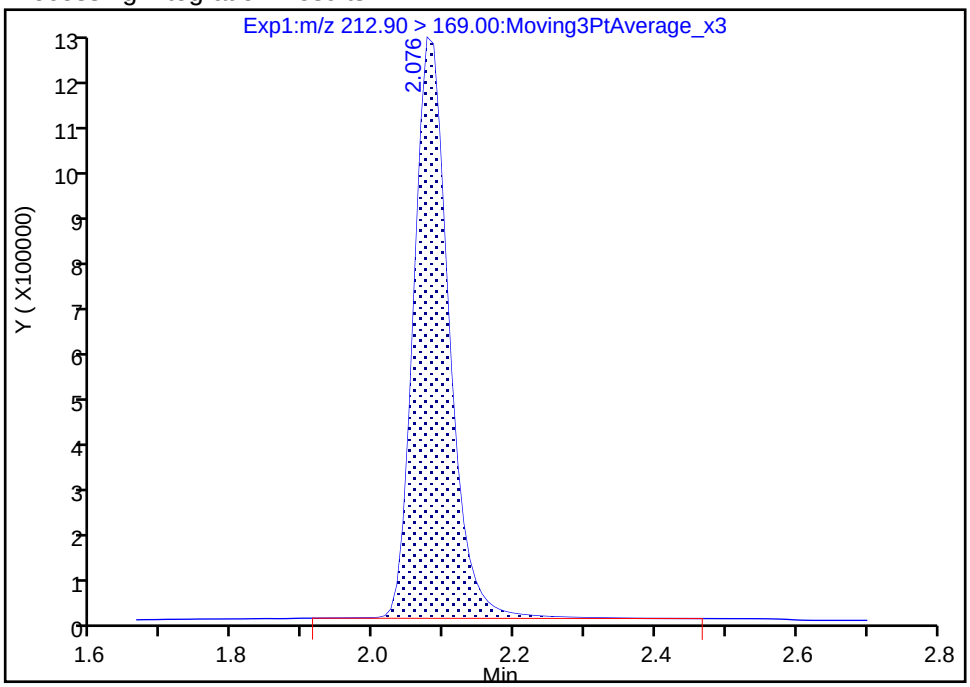
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

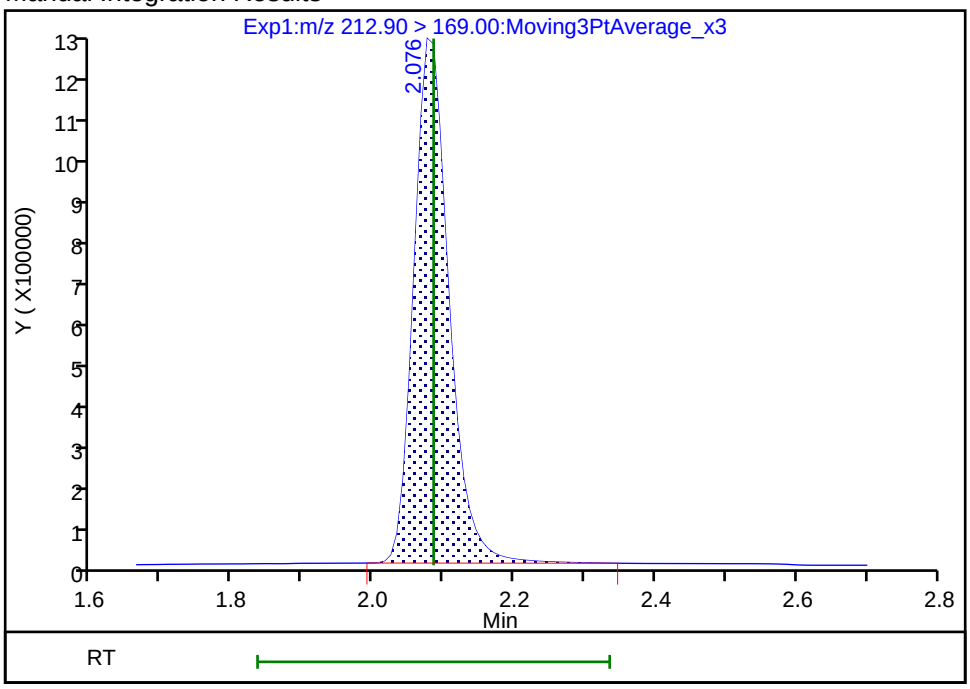
Processing Integration Results

RT: 2.08
Area: 4237599
Amount: 2.248921
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 4220659
Amount: 2.243025
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:34:18
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

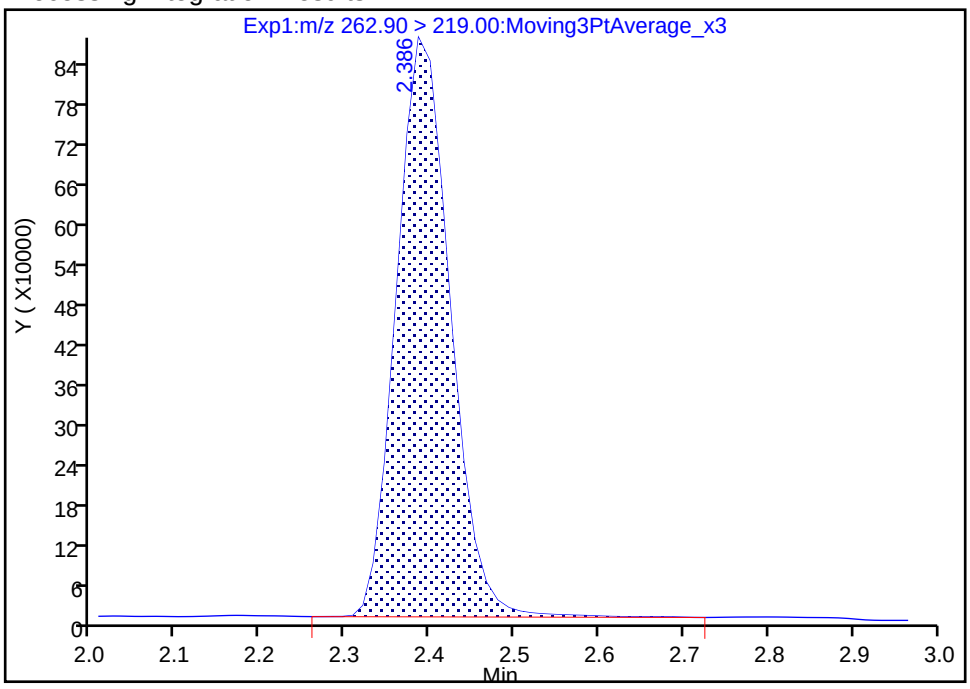
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

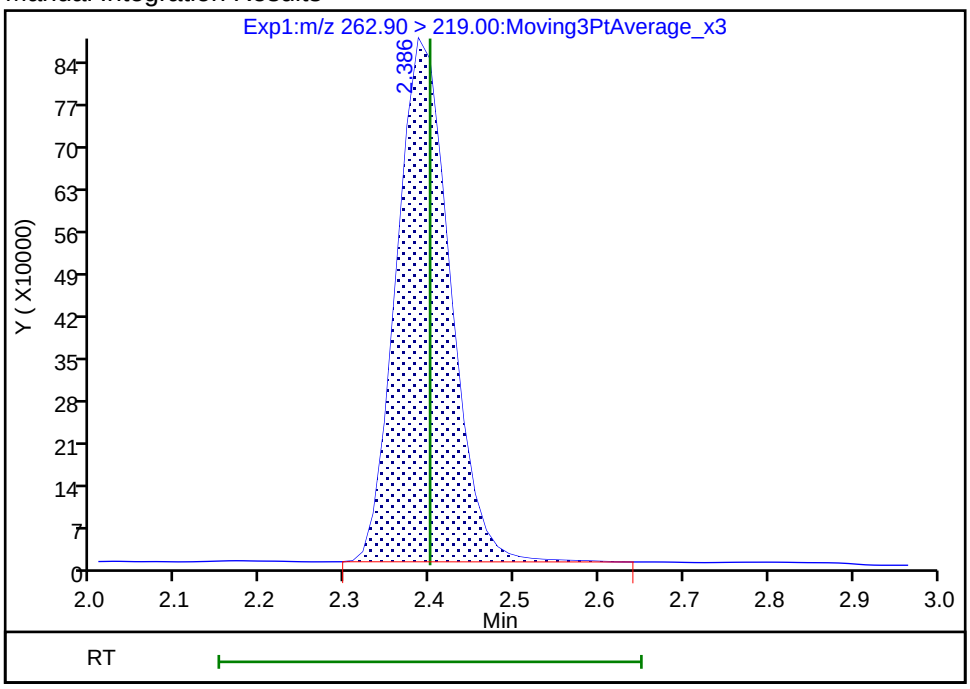
Processing Integration Results

RT: 2.39
Area: 3832940
Amount: 2.335931
Amount Units: ng/ml



Manual Integration Results

RT: 2.39
Area: 3817994
Amount: 2.326822
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:34:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

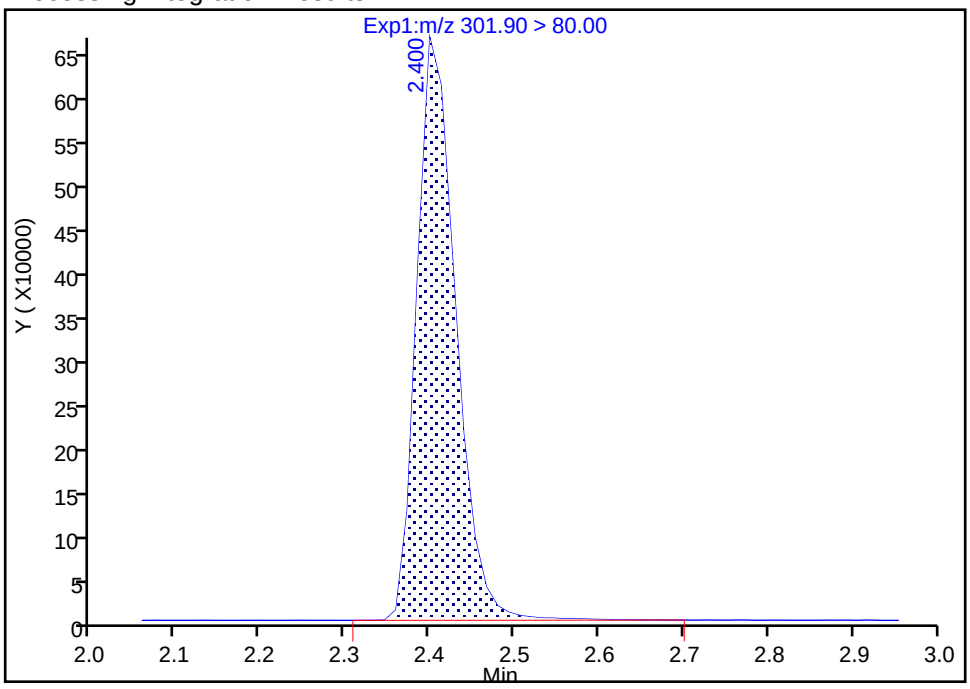
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d				
Injection Date:	04-Aug-2022 15:39:24	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

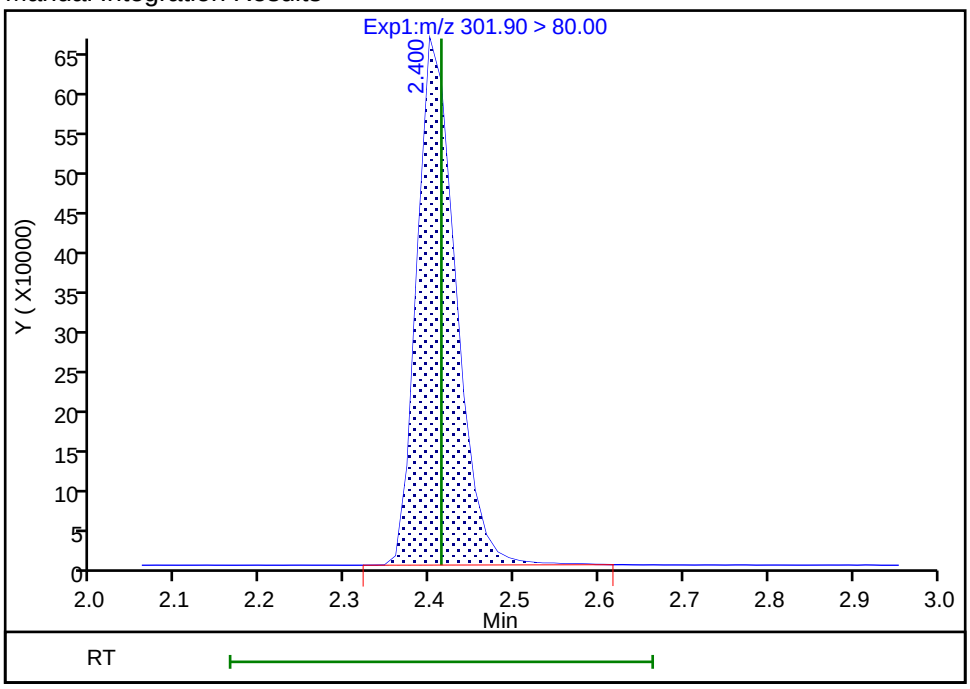
Processing Integration Results

RT: 2.40
Area: 2101339
Amount: 1.097475
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 2096675
Amount: 1.097274
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:33:18

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

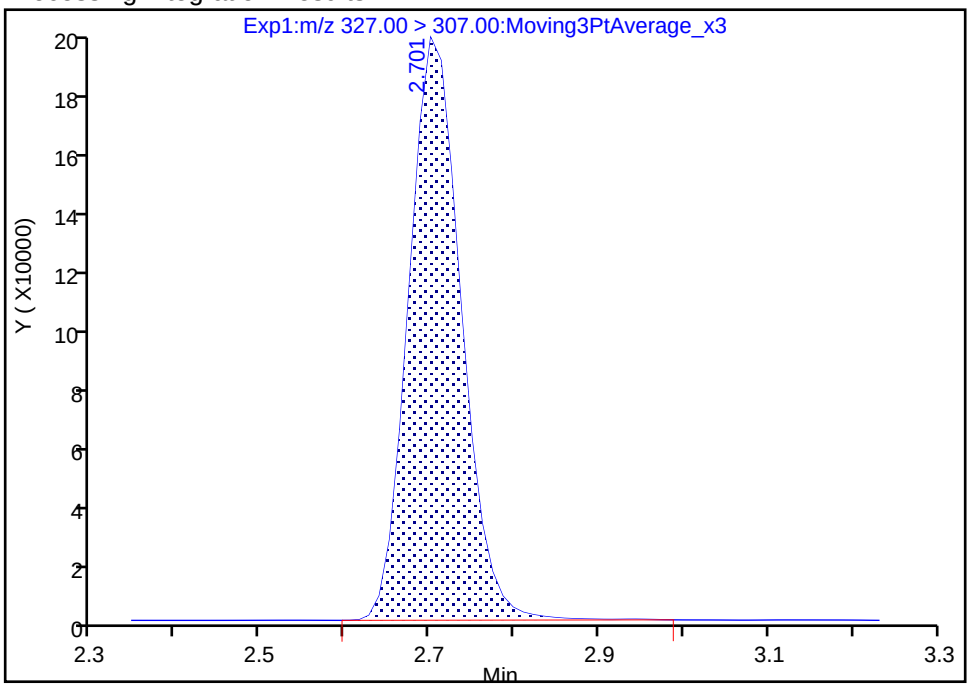
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Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

61 1H,1H,2H,2H-perfluorohexanesulfo, CAS: 757124-72-4

Signal: 1

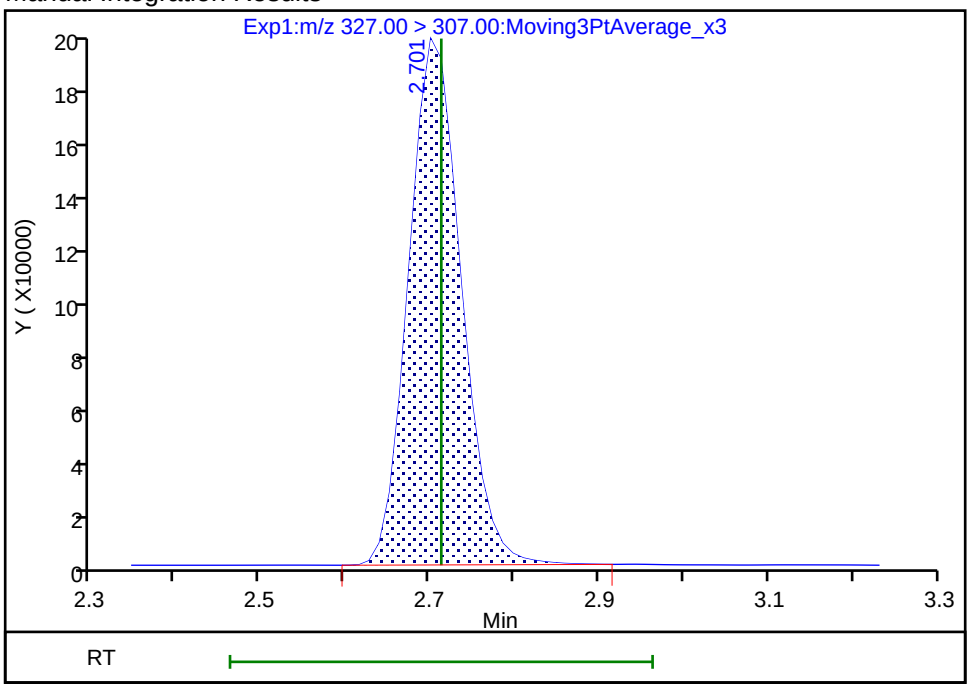
Processing Integration Results

RT: 2.70
Area: 845658
Amount: 2.244175
Amount Units: ng/ml



Manual Integration Results

RT: 2.70
Area: 843410
Amount: 2.238210
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:34:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

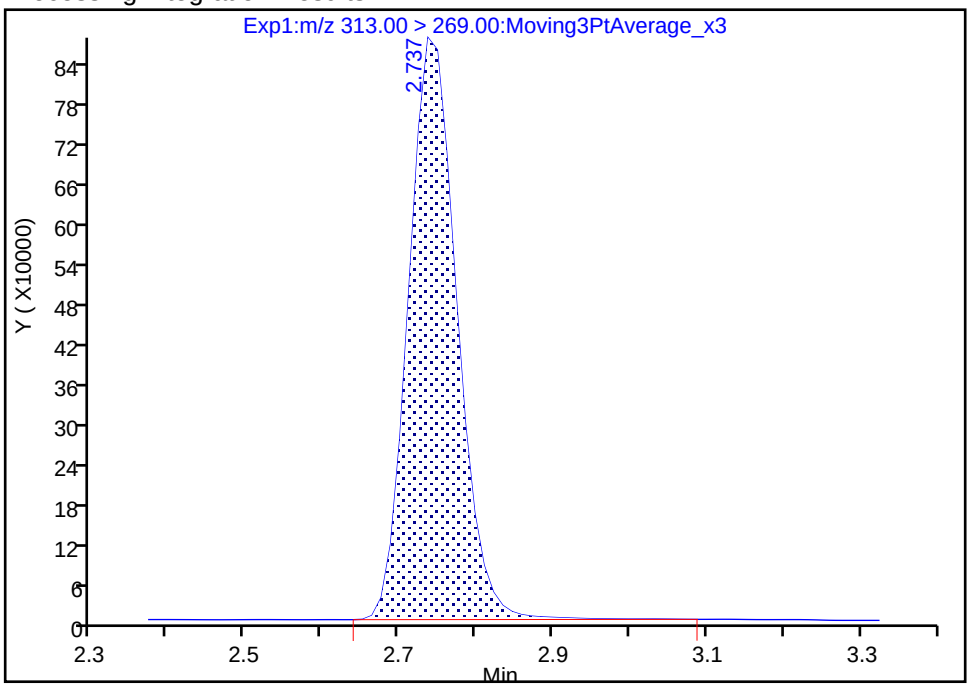
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

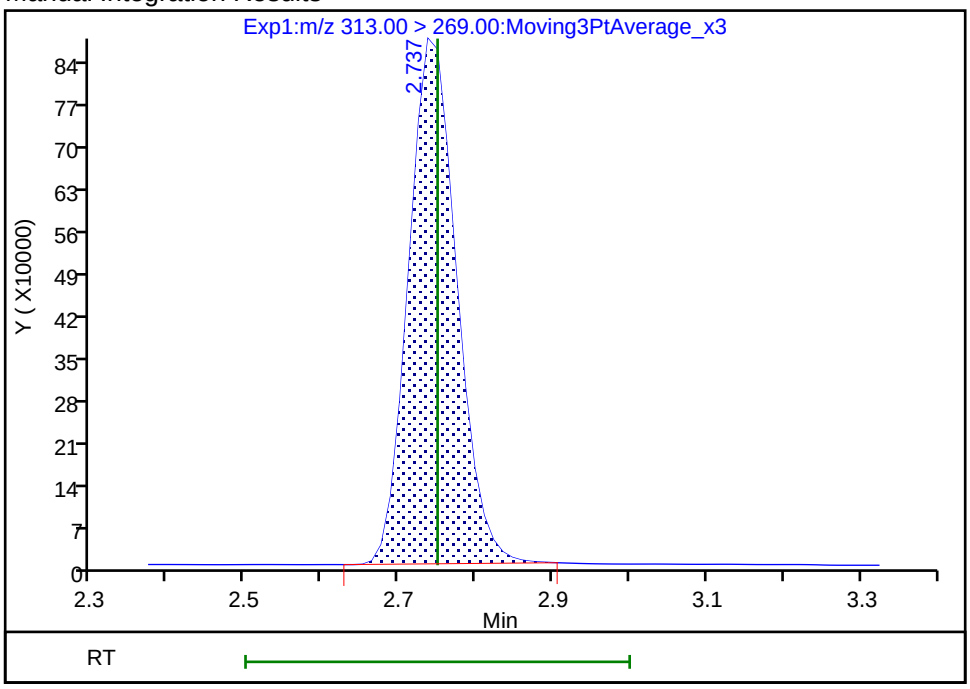
Processing Integration Results

RT: 2.74
Area: 3840872
Amount: 2.392743
Amount Units: ng/ml



Manual Integration Results

RT: 2.74
Area: 3807419
Amount: 2.371903
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:05:53
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

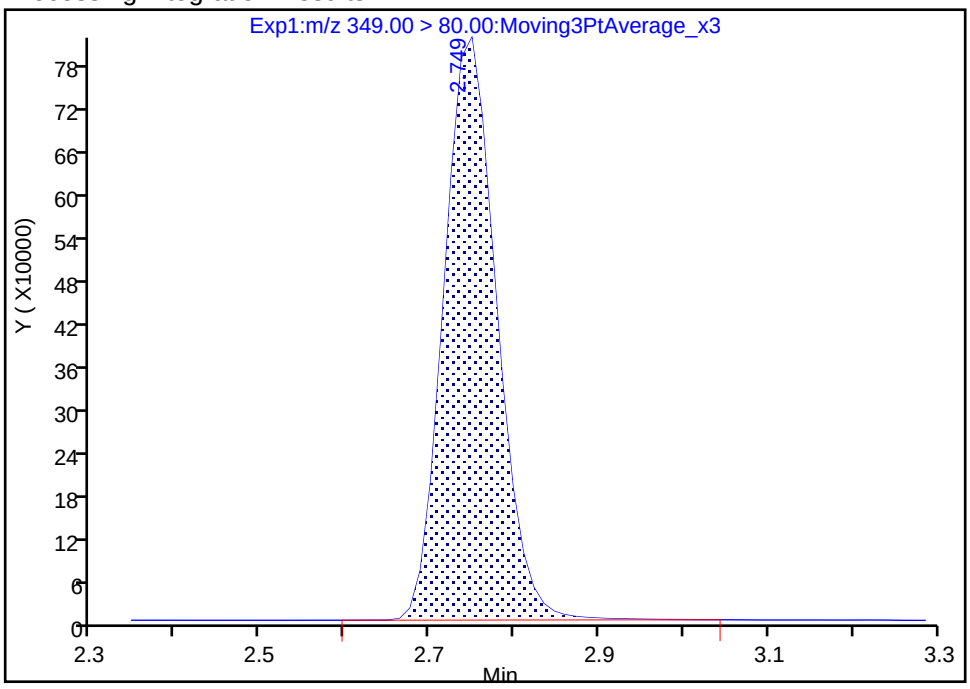
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Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

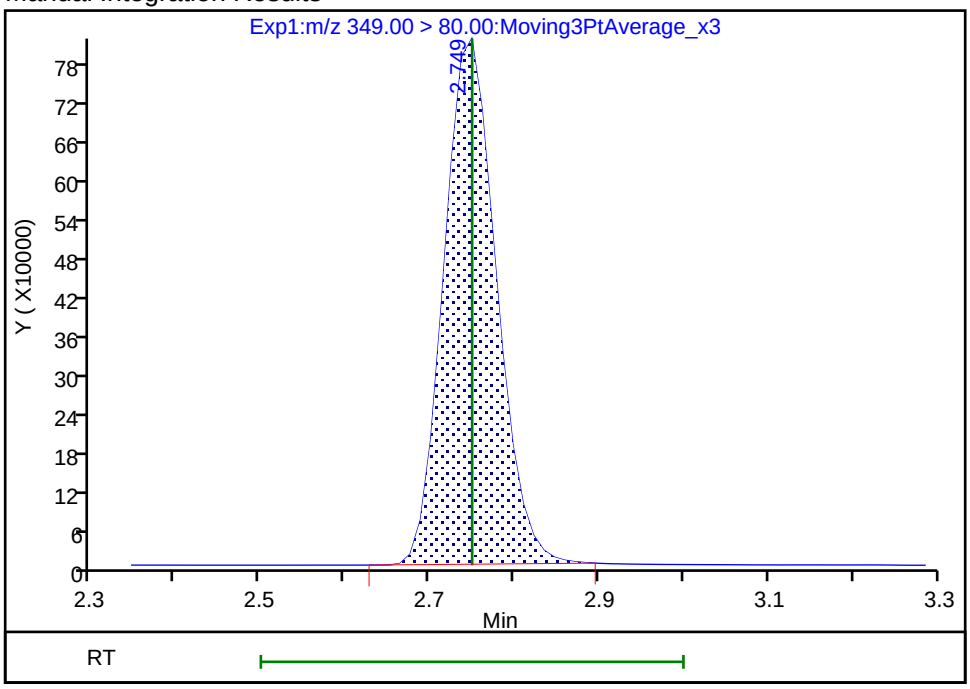
Processing Integration Results

RT: 2.75
Area: 3531150
Amount: 2.081421
Amount Units: ng/ml



Manual Integration Results

RT: 2.75
Area: 3502917
Amount: 2.080661
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:06:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

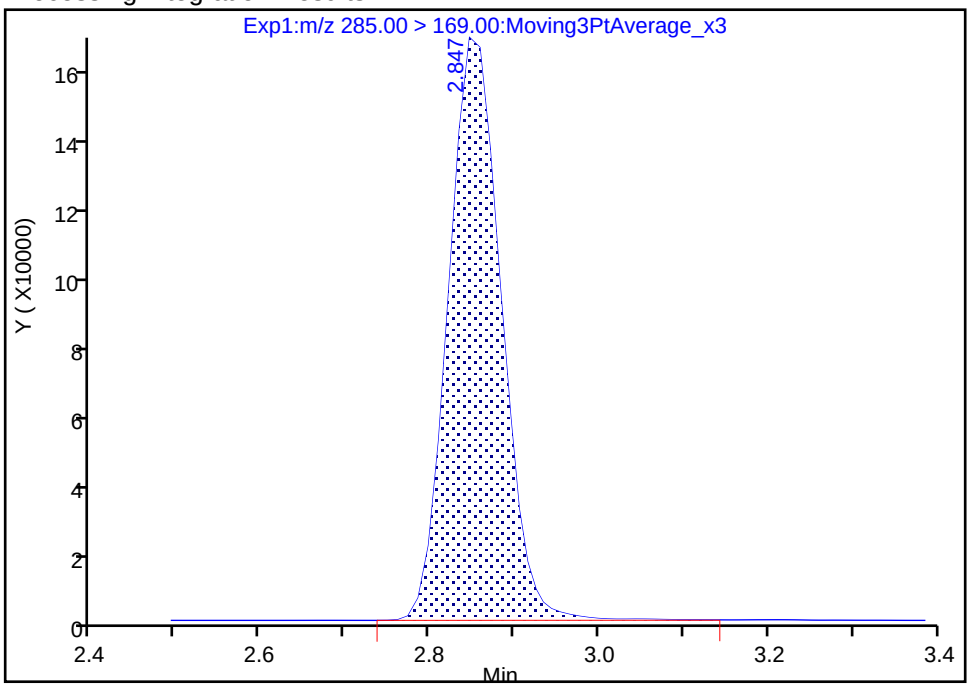
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

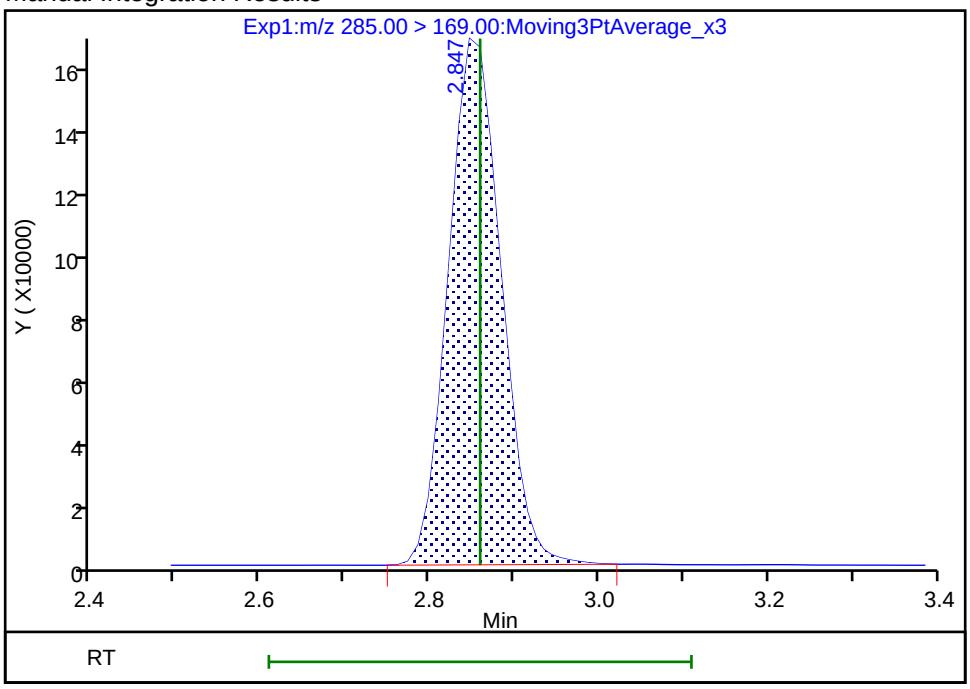
Processing Integration Results

RT: 2.85
Area: 734764
Amount: 2.335339
Amount Units: ng/ml



Manual Integration Results

RT: 2.85
Area: 730727
Amount: 2.322508
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:34:46
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

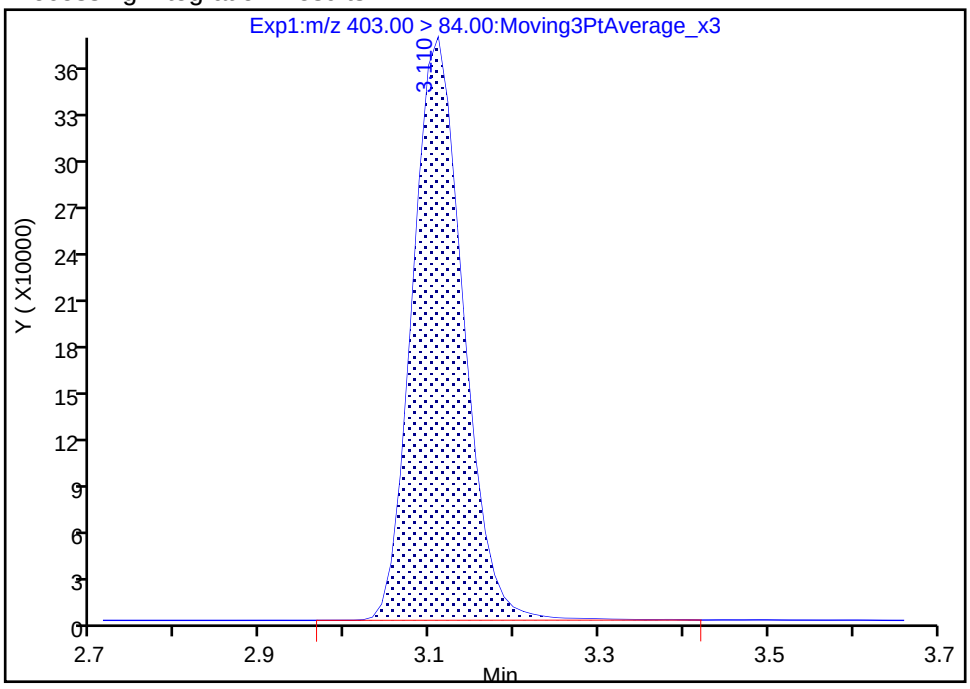
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Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 11 18O2 PFHxS, CAS: STL00994

Signal: 1

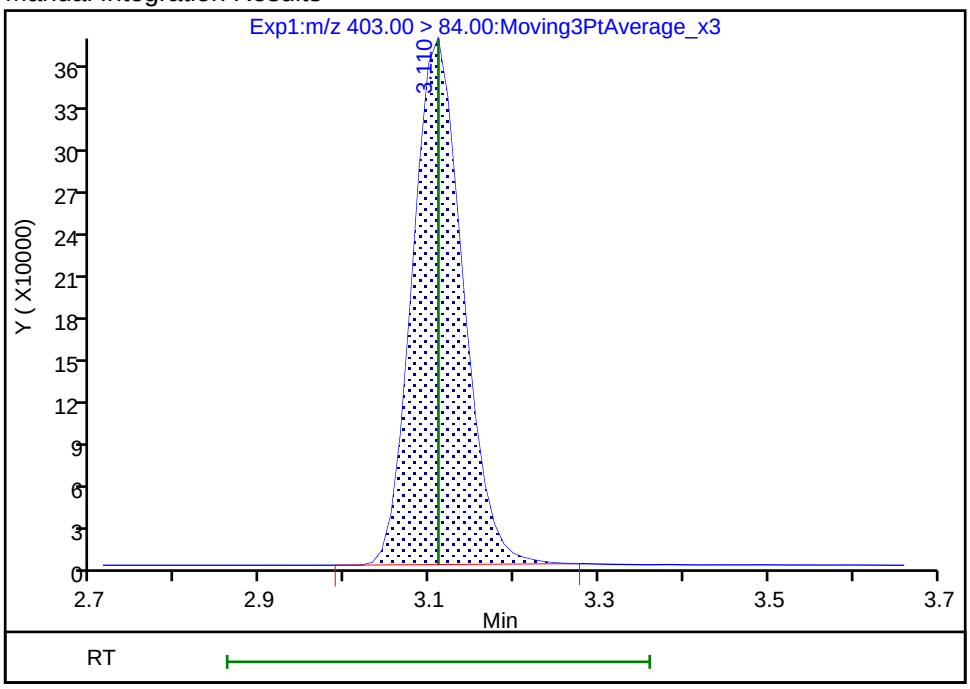
Processing Integration Results

RT: 3.11
Area: 1547226
Amount: 1.151304
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 1535416
Amount: 1.142516
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:06:06
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

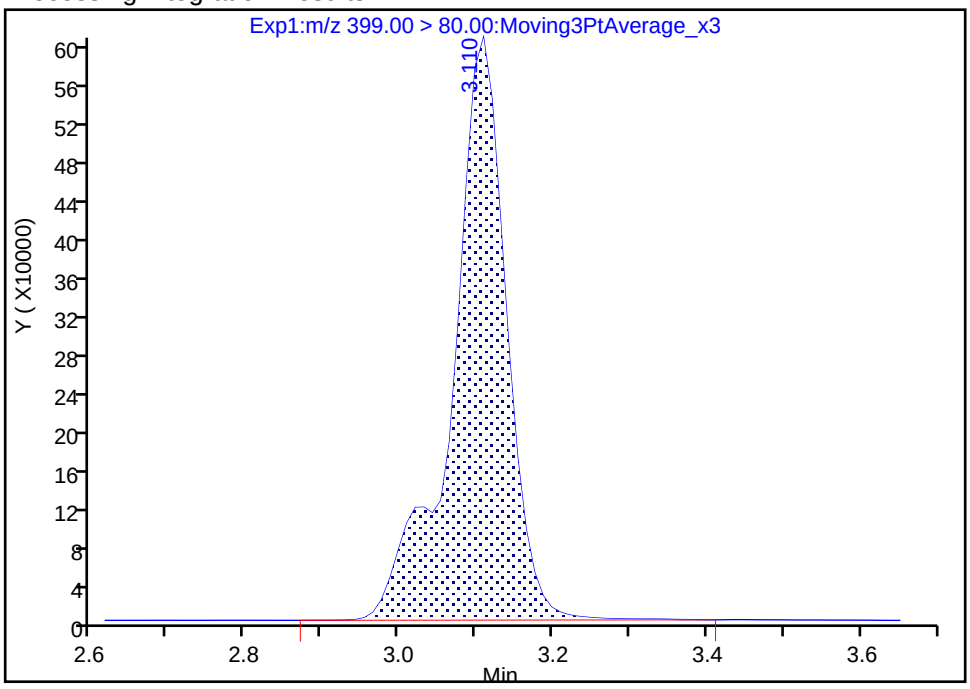
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

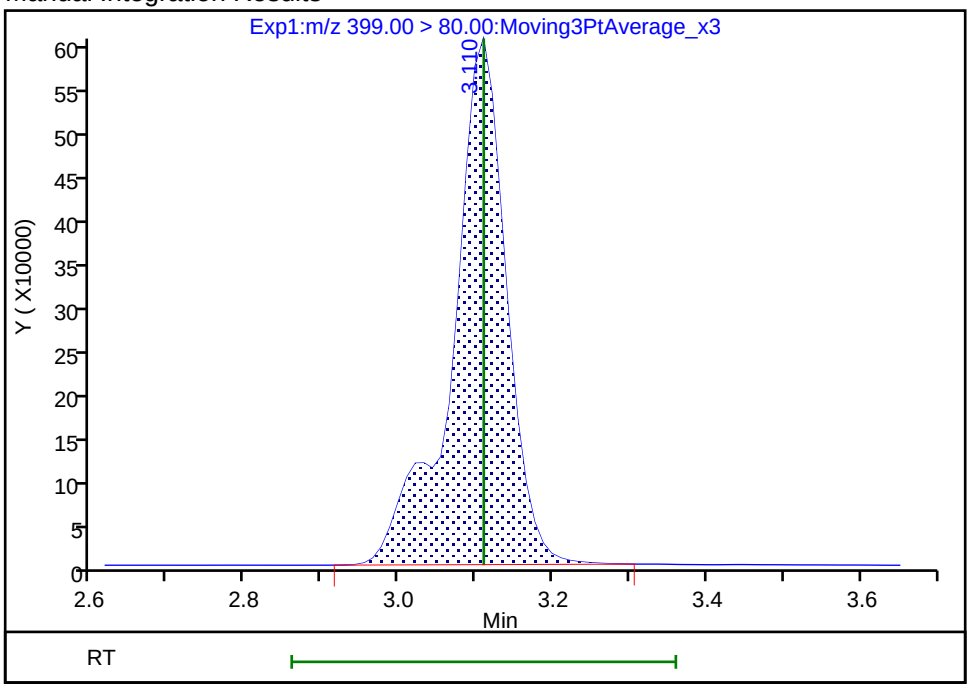
Processing Integration Results

RT: 3.11
Area: 2945411
Amount: 2.040992
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 2932269
Amount: 2.047514
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:34:51
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

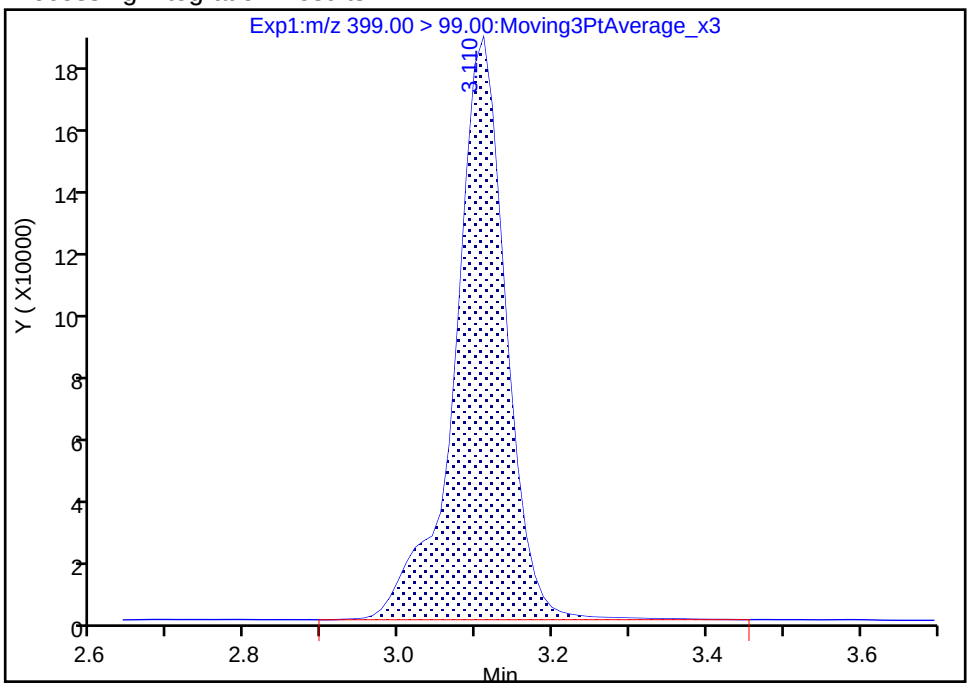
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

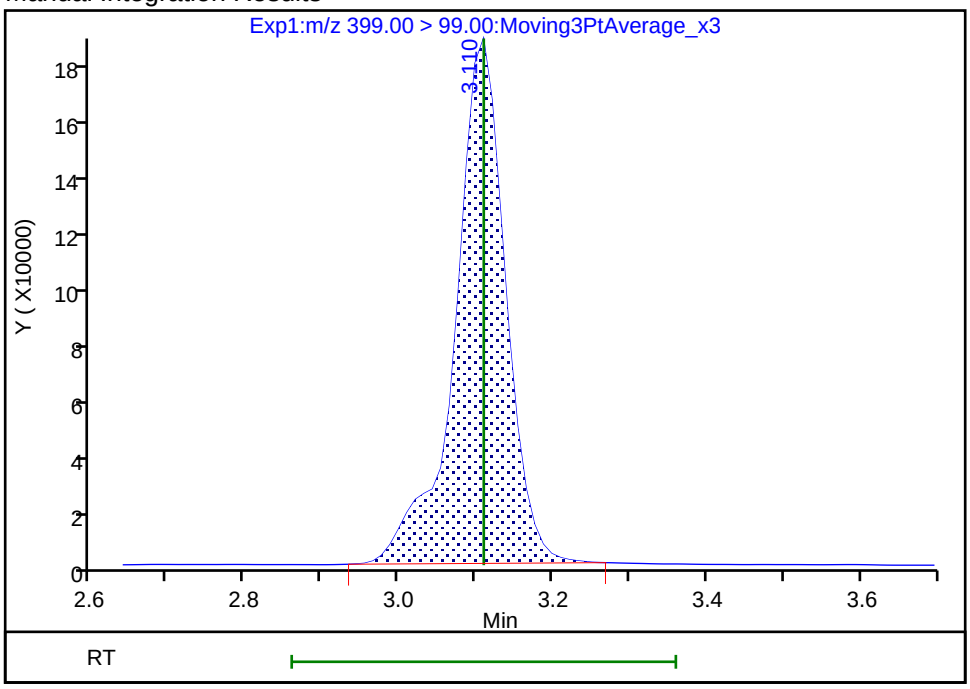
Processing Integration Results

RT: 3.11
Area: 871860
Amount: 2.040992
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 860138
Amount: 2.047514
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:06:11
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

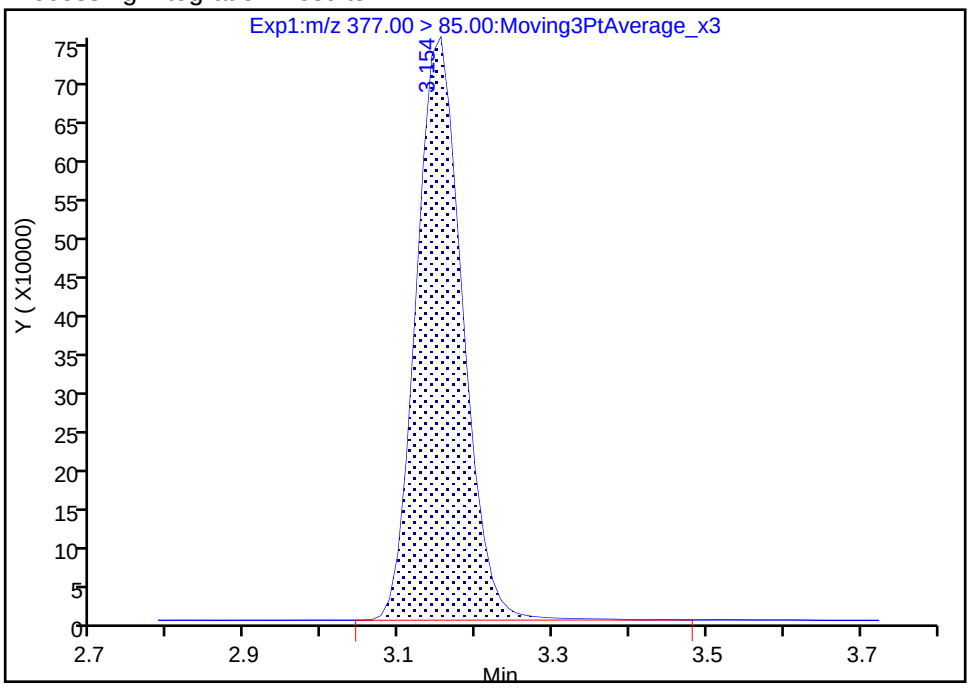
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

77 DONA, CAS: 919005-14-4

Signal: 2

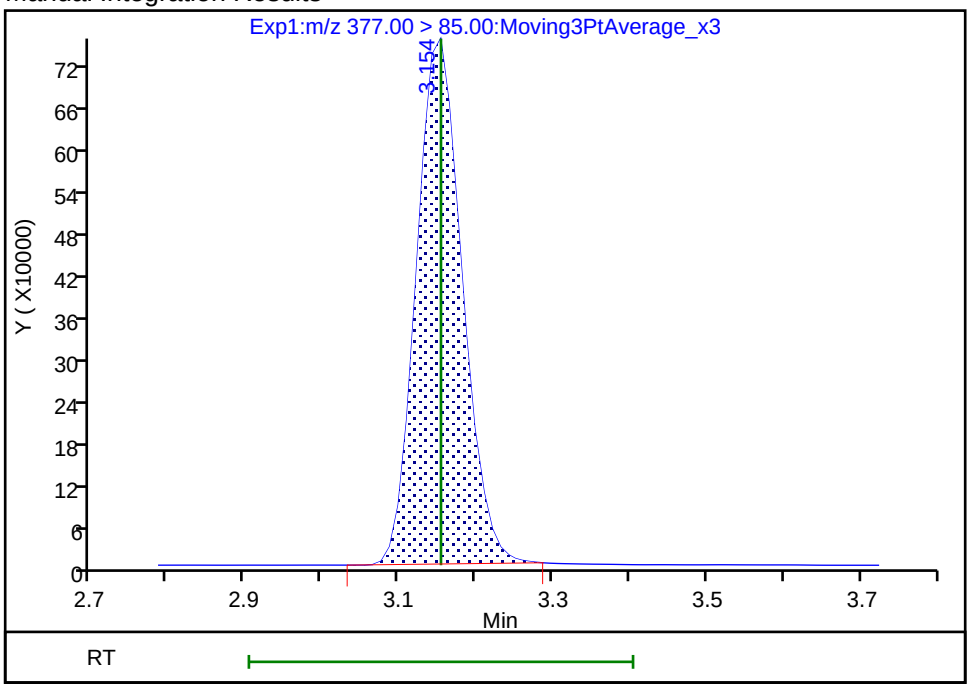
Processing Integration Results

RT: 3.15
Area: 3154659
Amount: 2.251357
Amount Units: ng/ml



Manual Integration Results

RT: 3.15
Area: 3119975
Amount: 2.251357
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:06:18
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

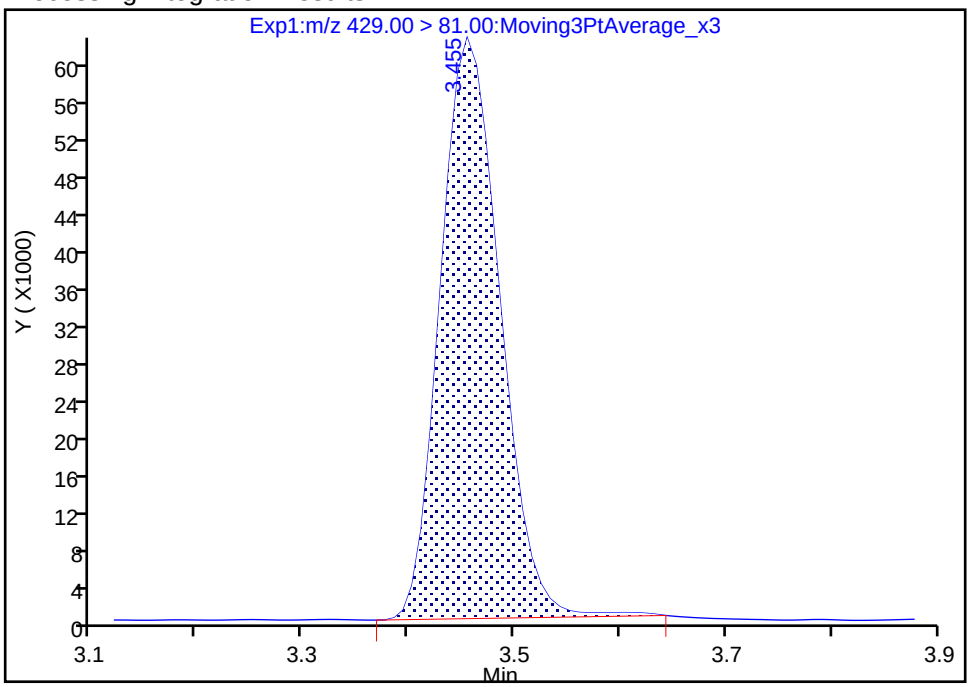
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

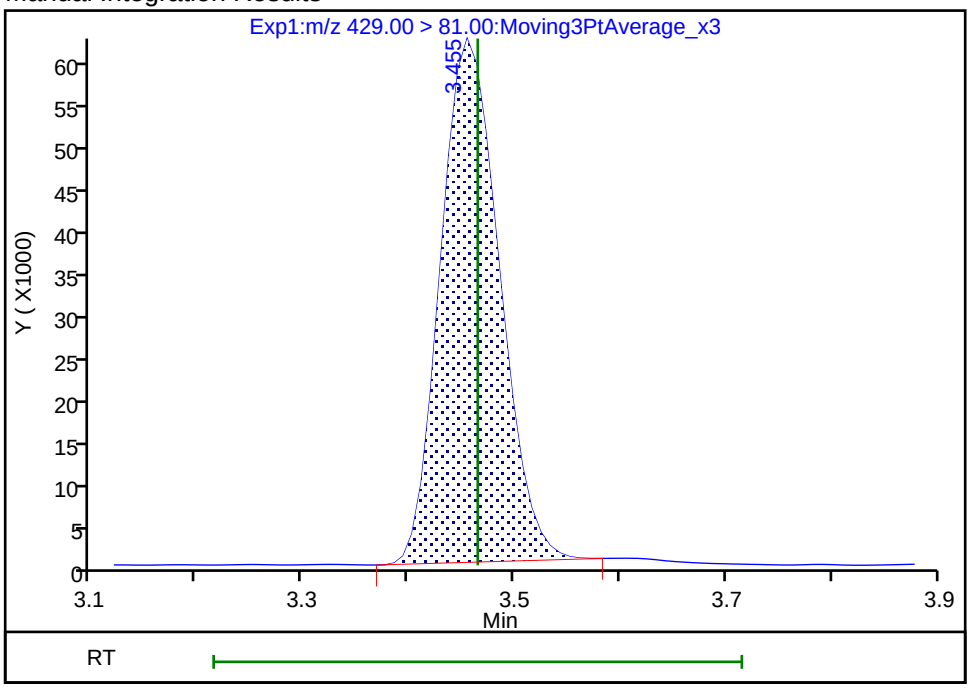
Processing Integration Results

RT: 3.46
Area: 244678
Amount: 1.085584
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 241076
Amount: 1.071786
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:06:25
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

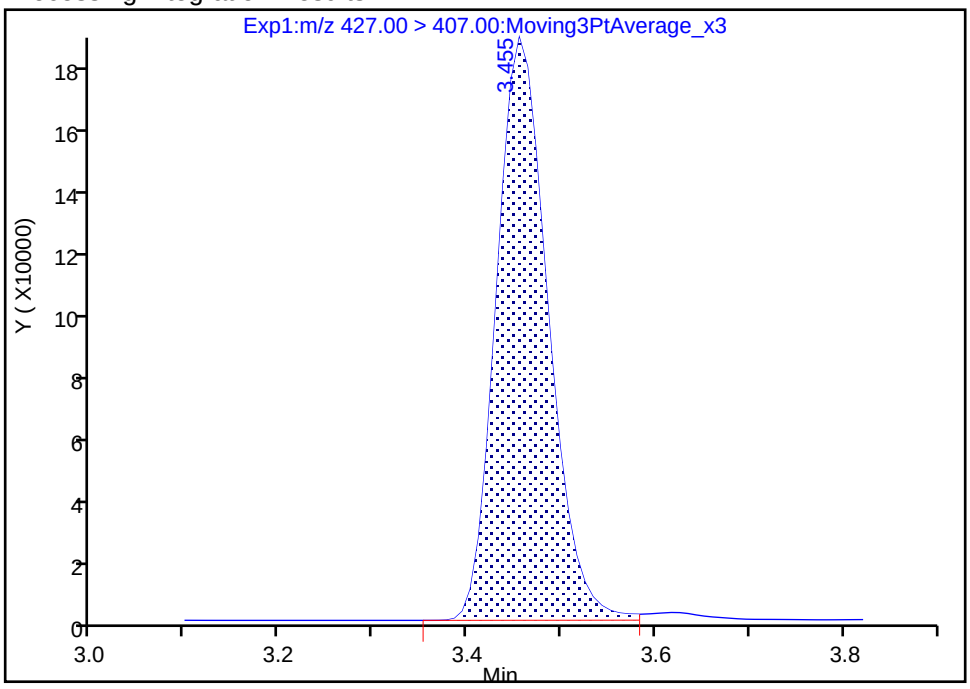
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

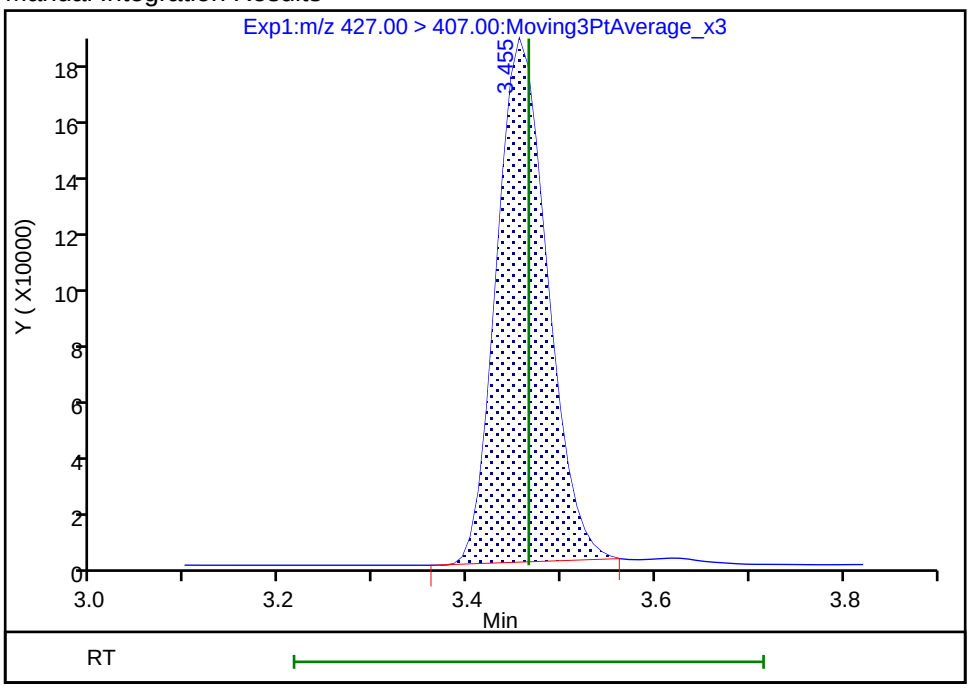
Processing Integration Results

RT: 3.46
Area: 719650
Amount: 2.415864
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 703139
Amount: 2.360051
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:06:28
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

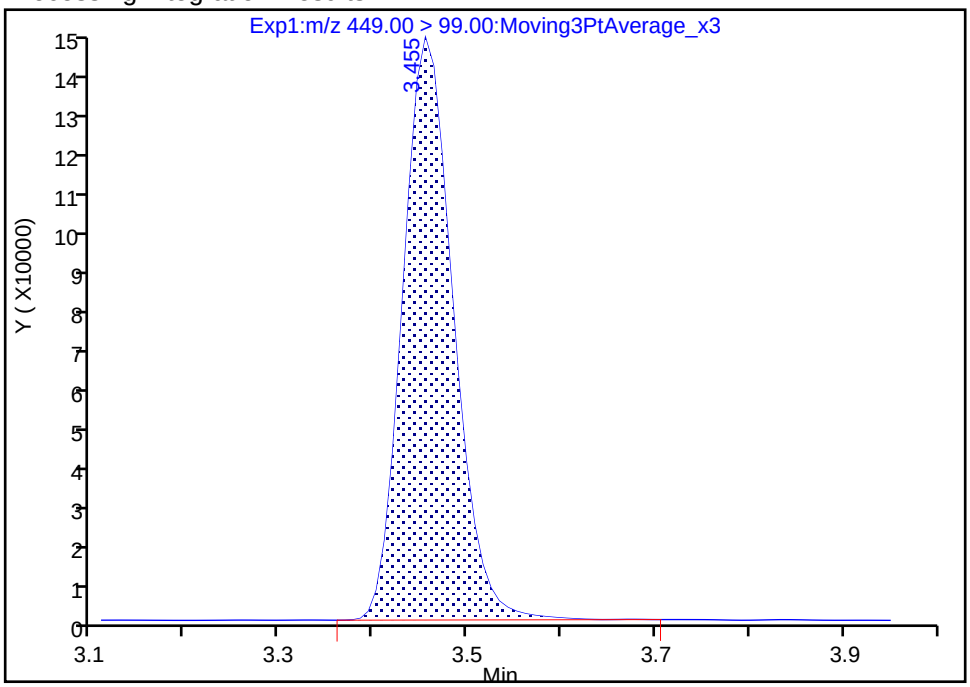
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

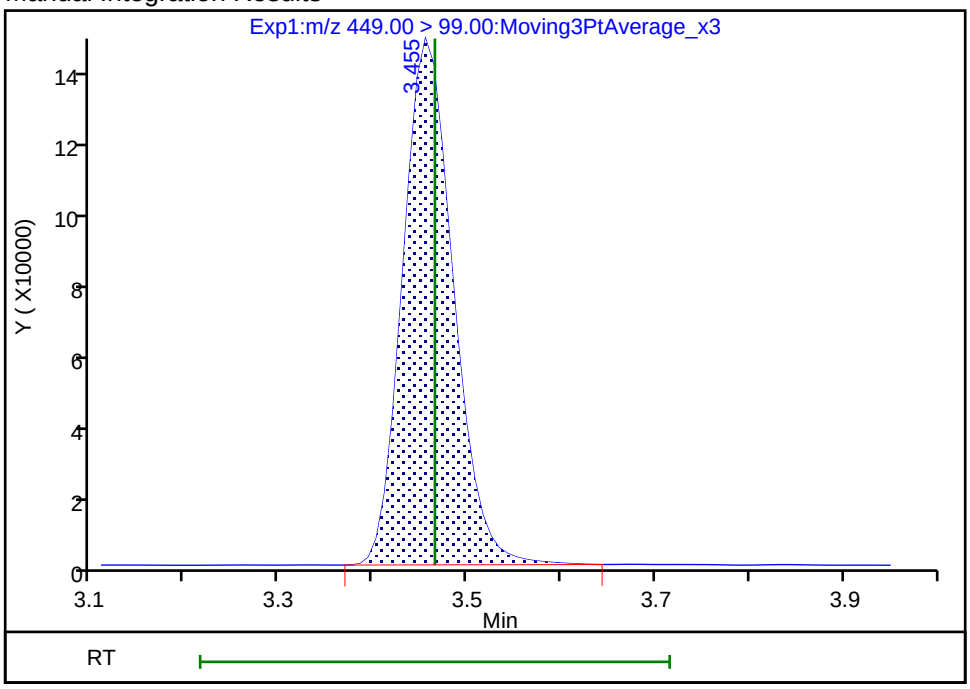
Processing Integration Results

RT: 3.46
Area: 523668
Amount: 2.203936
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 523196
Amount: 2.203936
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:35:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

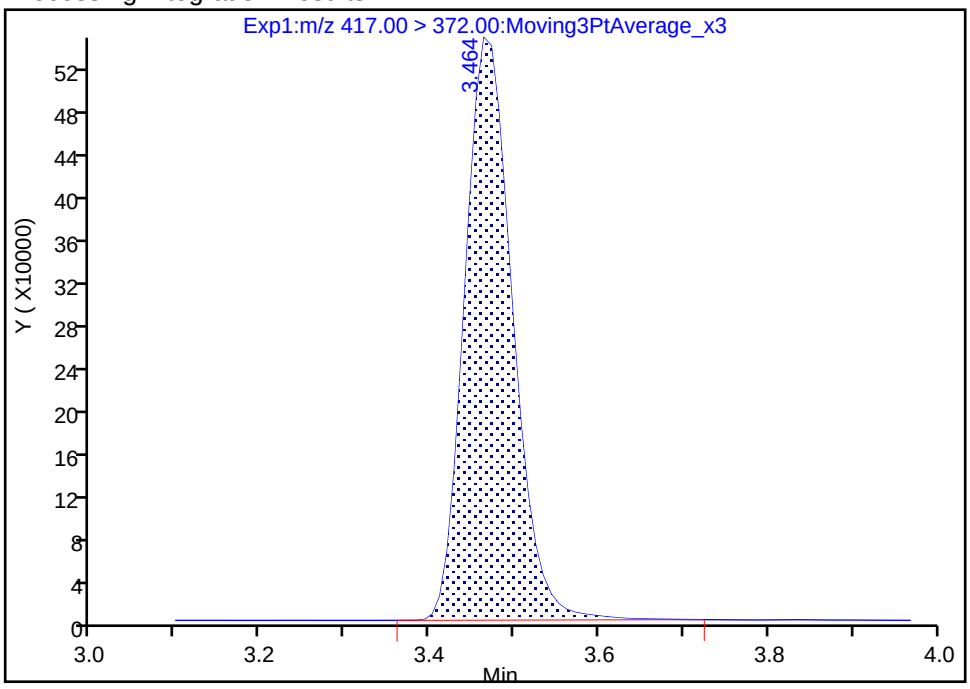
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

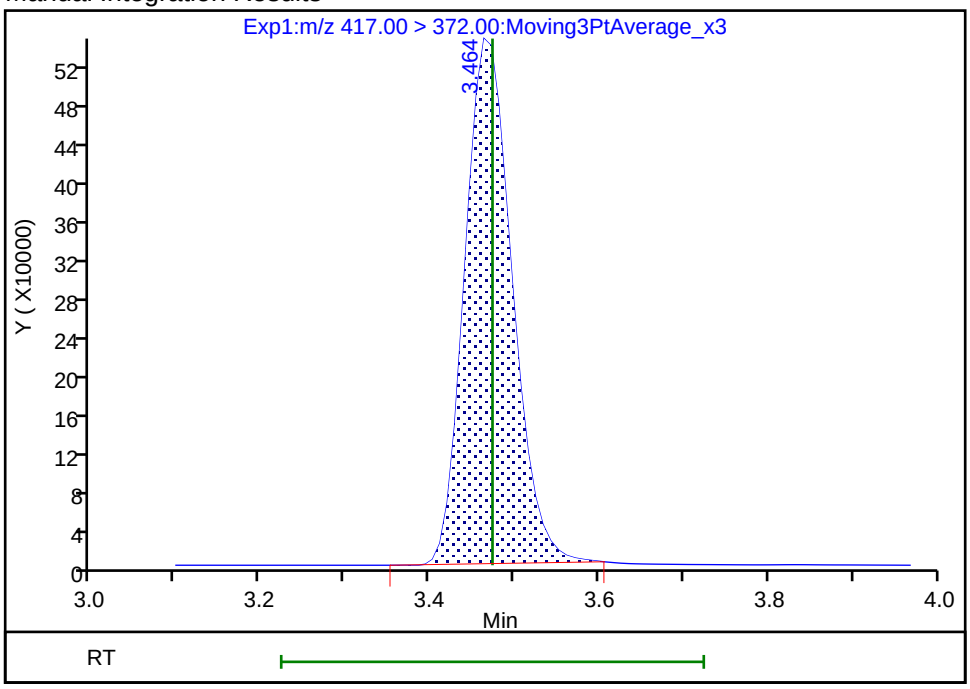
Processing Integration Results

RT: 3.46
Area: 2150795
Amount: 1.227378
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 2120557
Amount: 1.210122
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:06:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

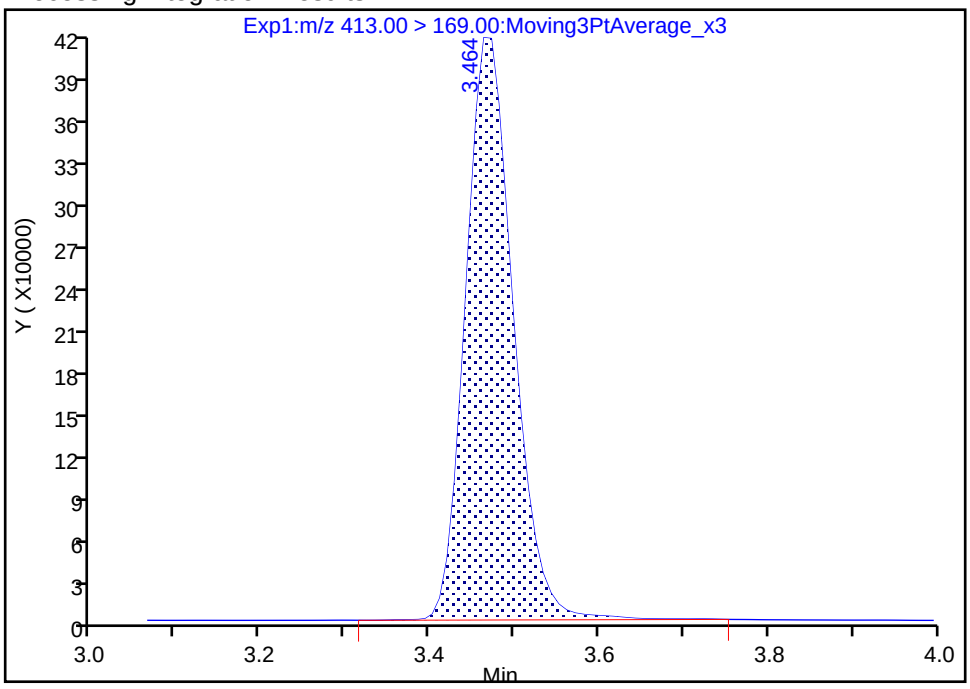
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

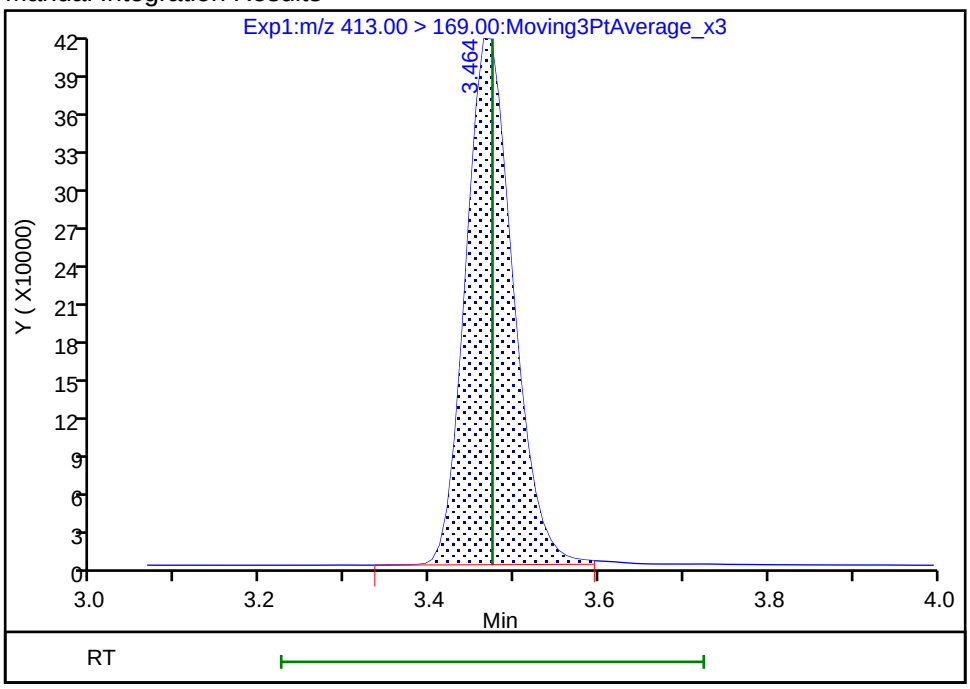
Processing Integration Results

RT: 3.46
Area: 1623672
Amount: 2.261382
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 1612444
Amount: 2.265996
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:35:29
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

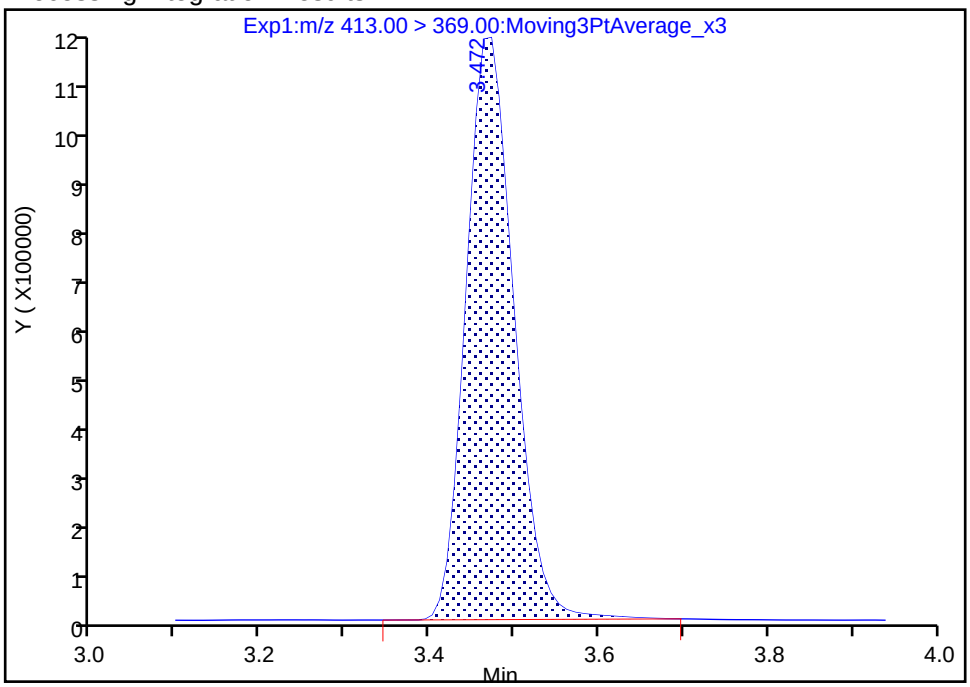
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

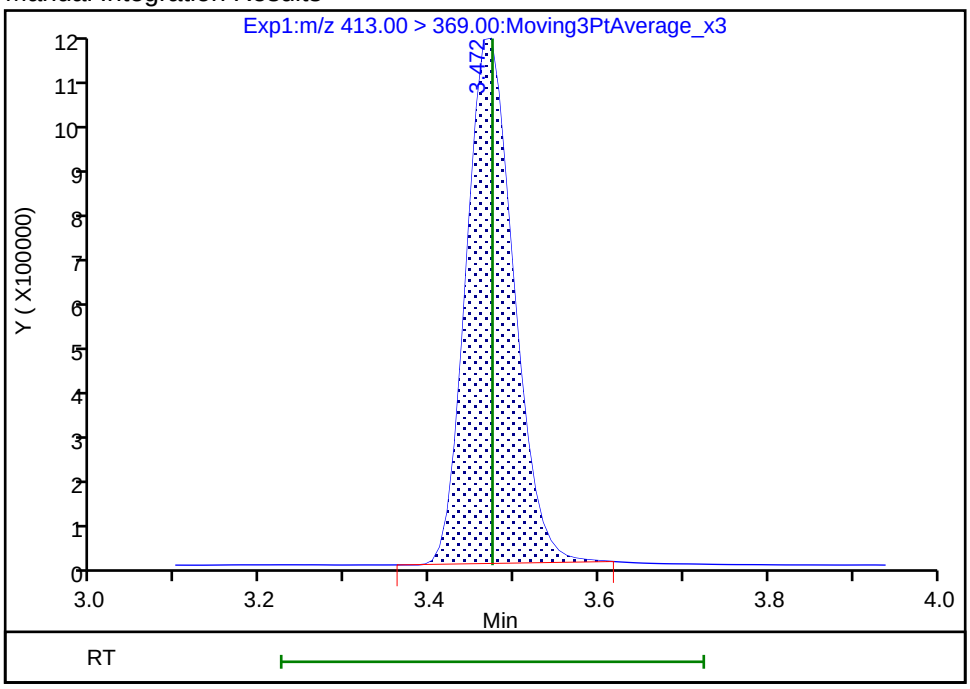
Processing Integration Results

RT: 3.47
Area: 4363379
Amount: 2.261382
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 4310812
Amount: 2.265996
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:06:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

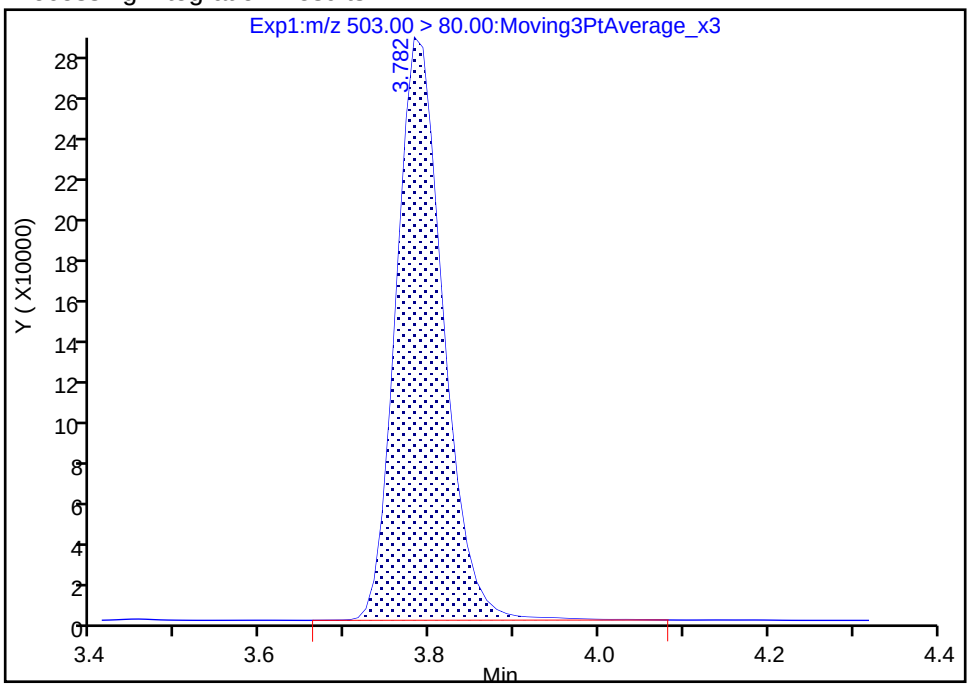
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 18 13C4 PFOS, CAS: STL00991

Signal: 1

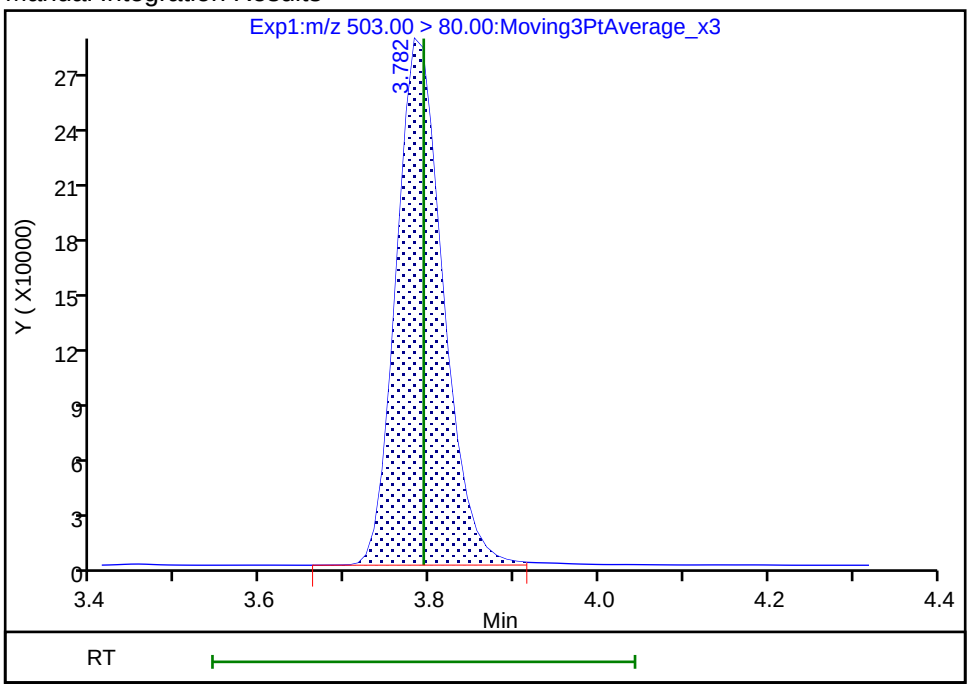
Processing Integration Results

RT: 3.78
Area: 1115618
Amount: 1.109489
Amount Units: ng/ml



Manual Integration Results

RT: 3.78
Area: 1110581
Amount: 1.106734
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:33:42
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

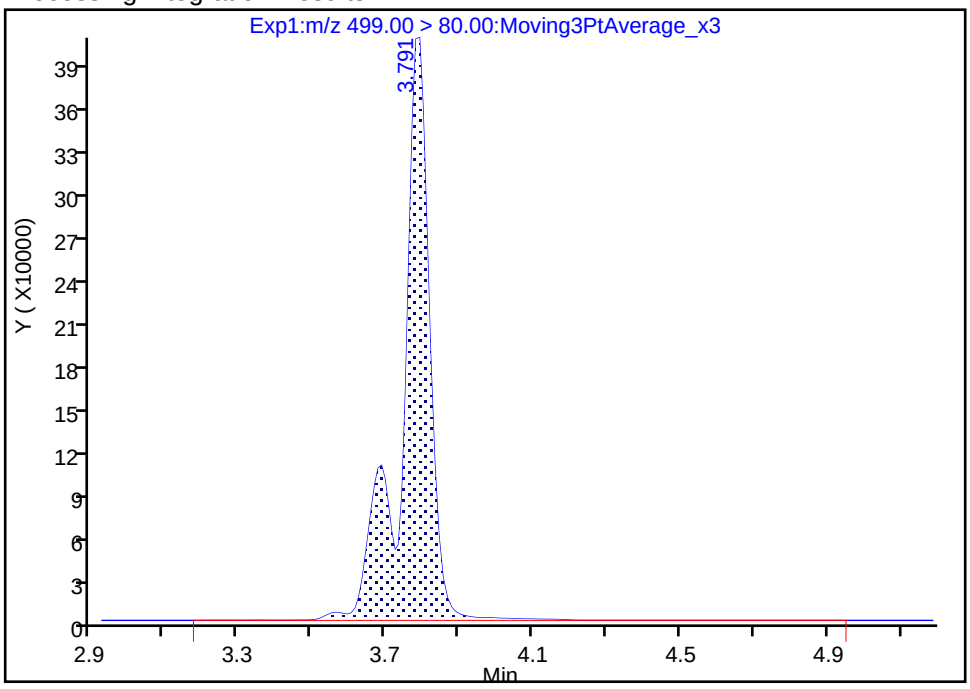
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

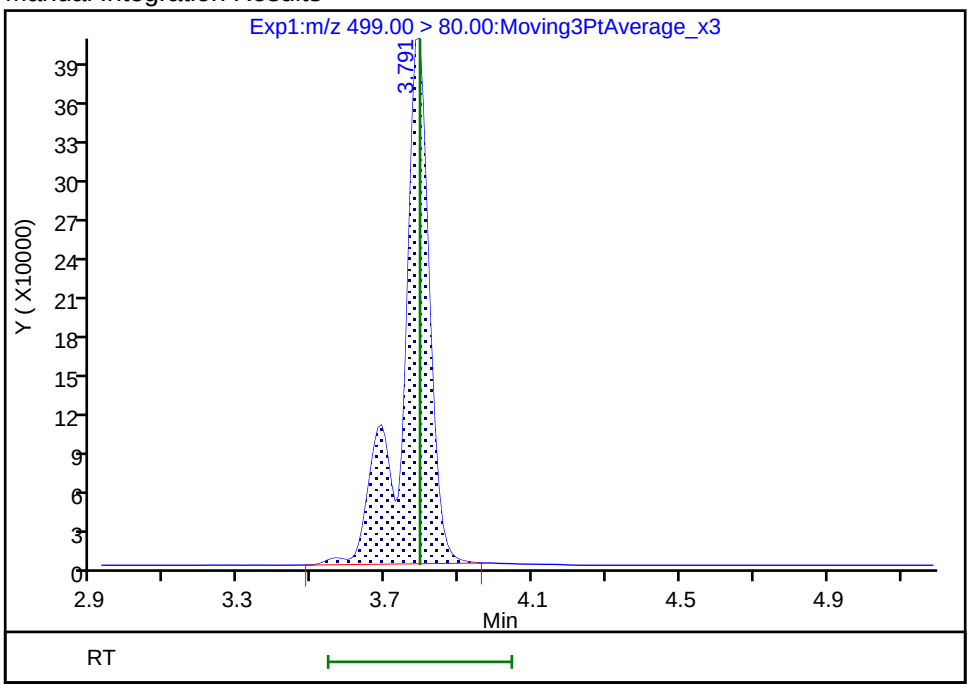
Processing Integration Results

RT: 3.79
Area: 2150760
Amount: 2.307529
Amount Units: ng/ml



Manual Integration Results

RT: 3.79
Area: 2108768
Amount: 2.262116
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:35:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

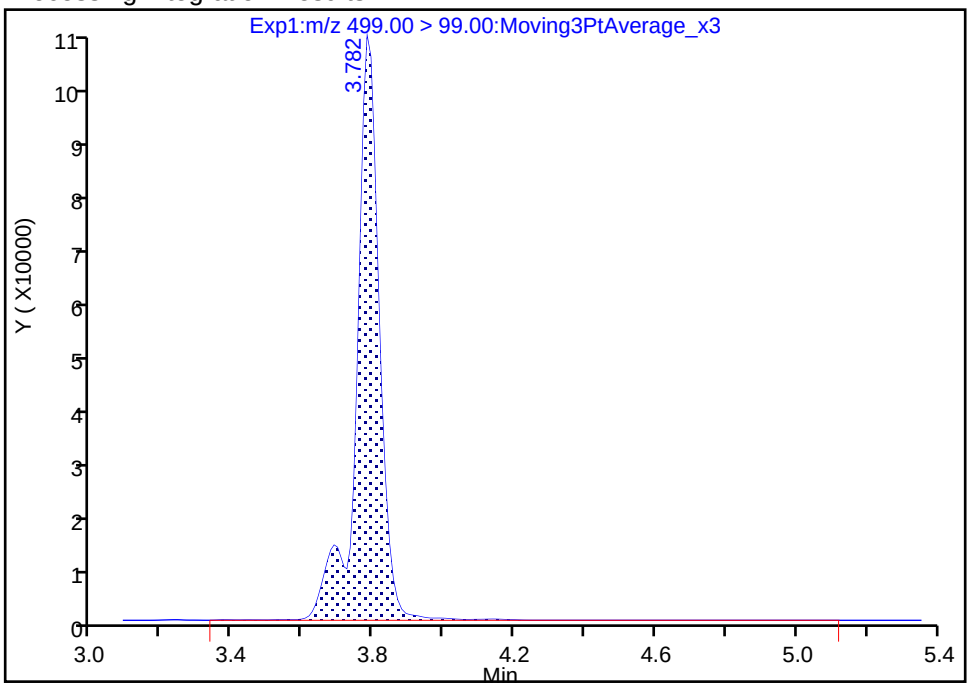
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

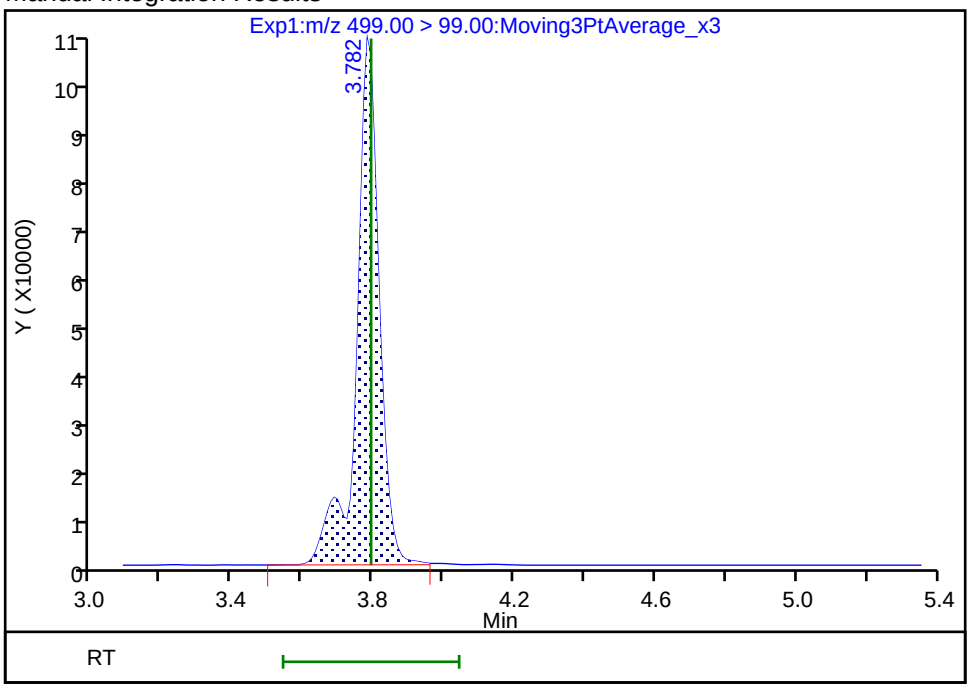
Processing Integration Results

RT: 3.78
Area: 459751
Amount: 2.307529
Amount Units: ng/ml



Manual Integration Results

RT: 3.78
Area: 455051
Amount: 2.262116
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:35:46
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

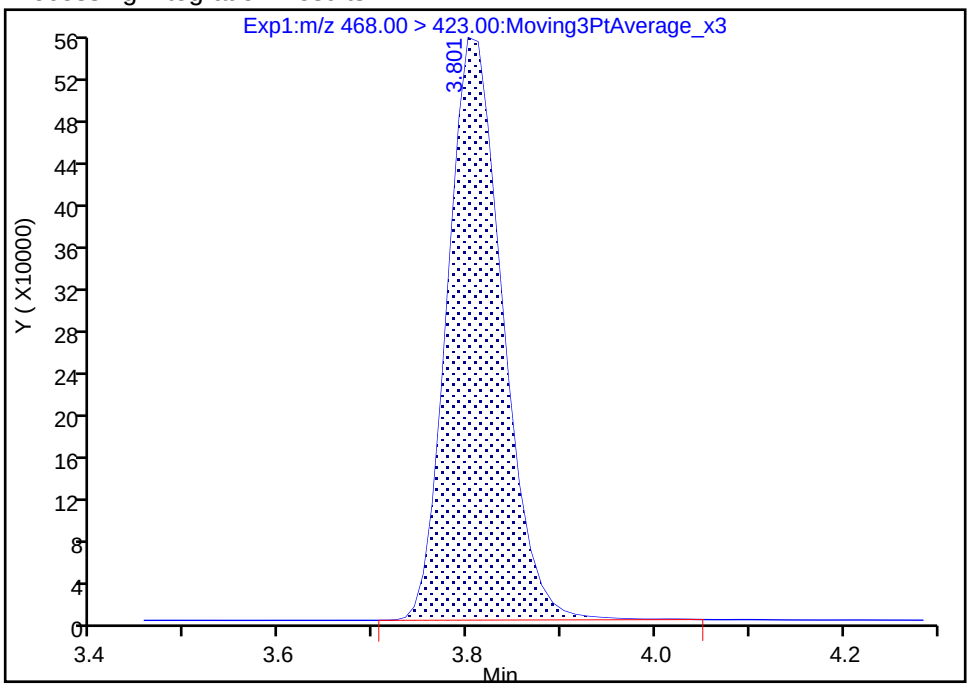
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

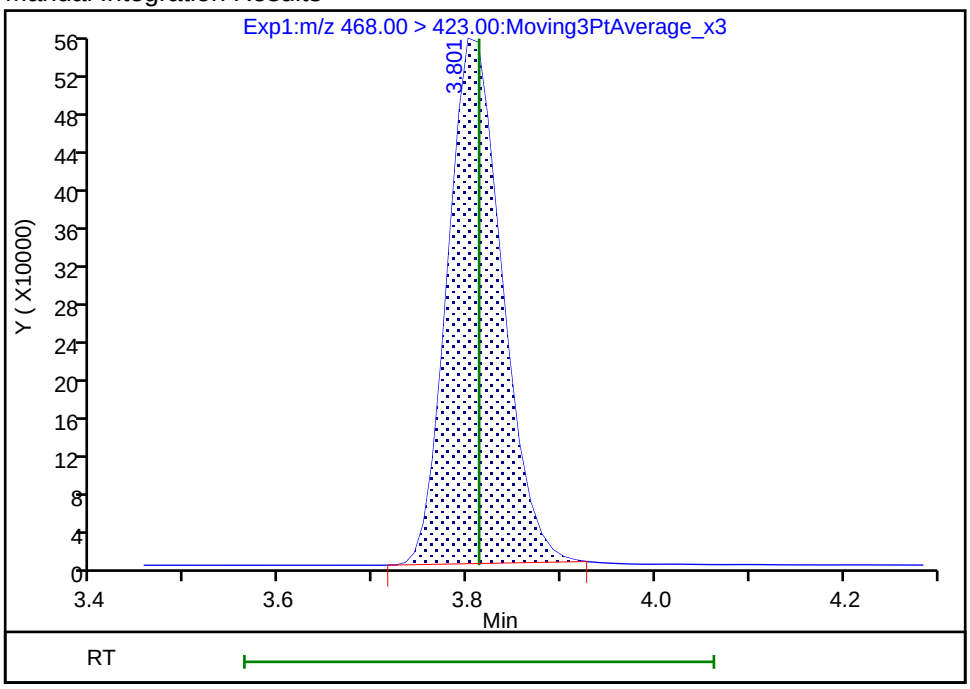
Processing Integration Results

RT: 3.80
Area: 2254412
Amount: 1.239198
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 2225978
Amount: 1.223569
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:06:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

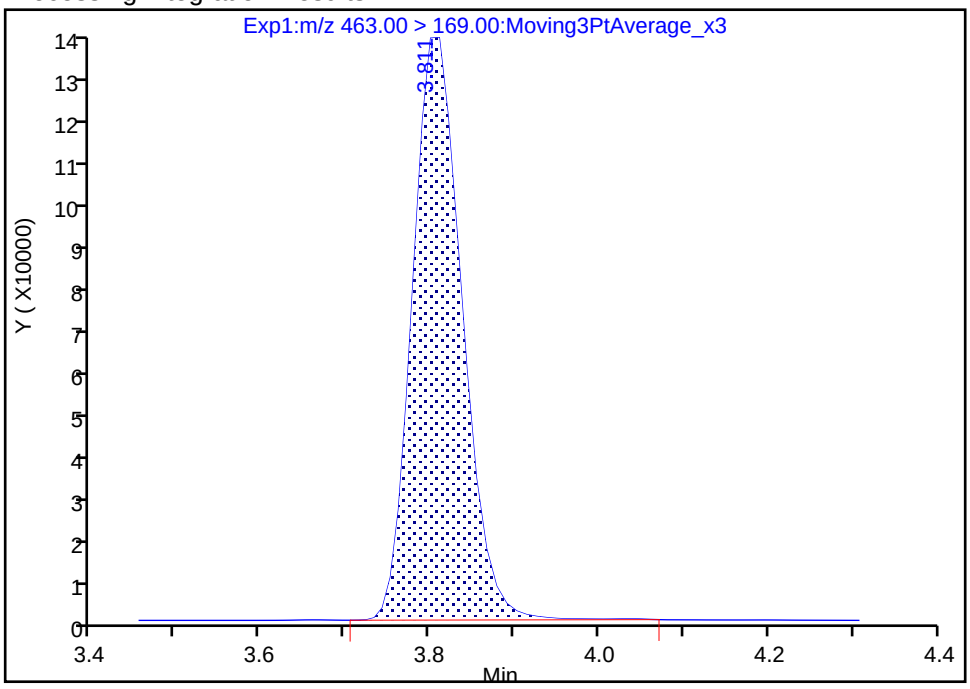
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

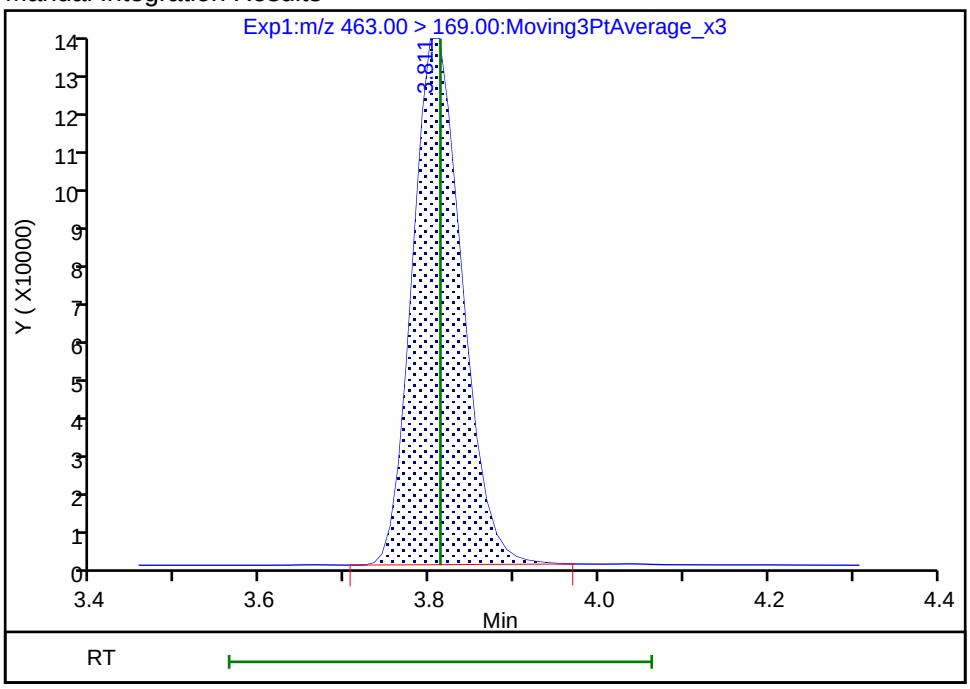
Processing Integration Results

RT: 3.81
Area: 536569
Amount: 2.253034
Amount Units: ng/ml



Manual Integration Results

RT: 3.81
Area: 534231
Amount: 2.281814
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:35:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

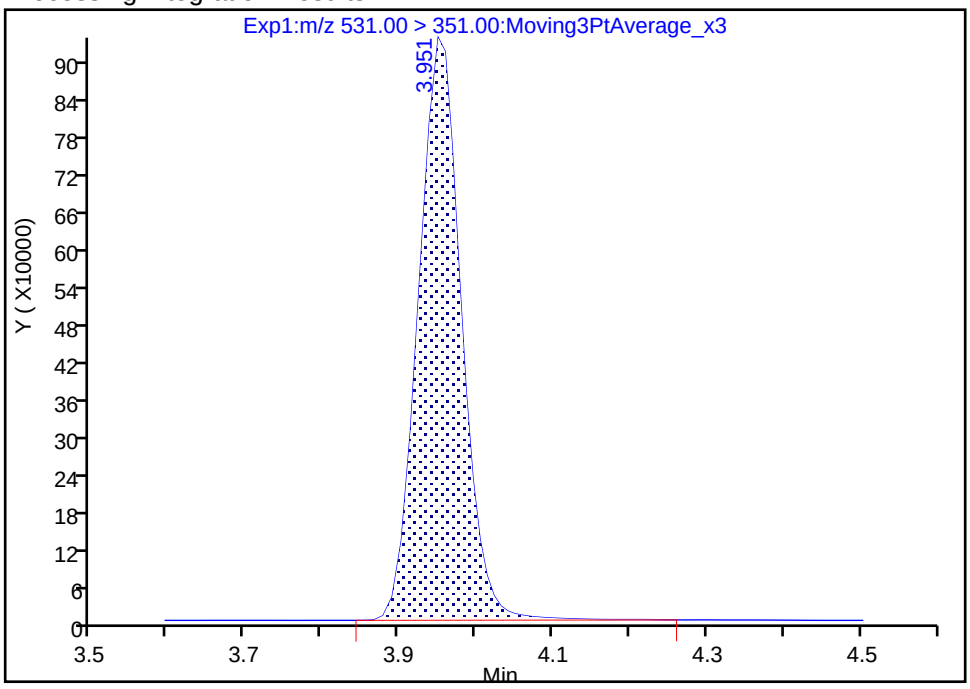
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

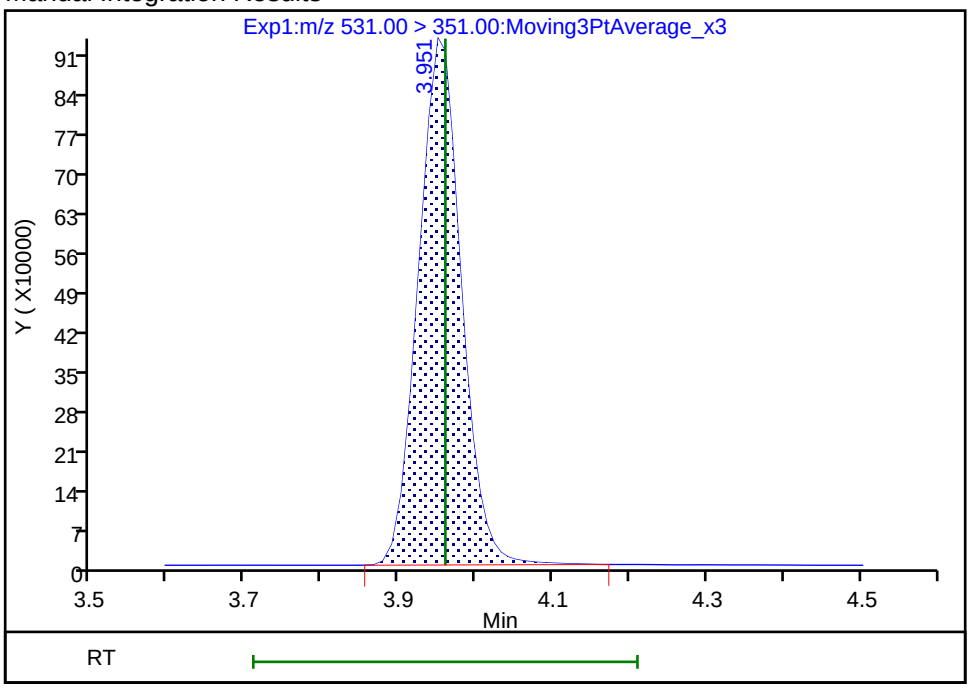
Processing Integration Results

RT: 3.95
Area: 3609585
Amount: 2.198678
Amount Units: ng/ml



Manual Integration Results

RT: 3.95
Area: 3599672
Amount: 2.192639
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:36:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

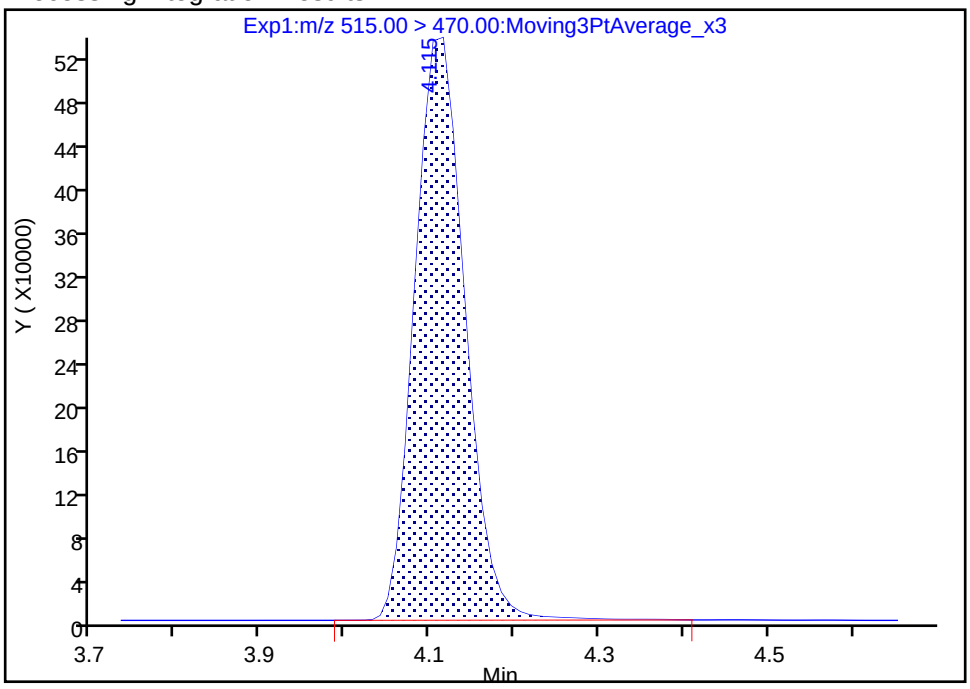
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

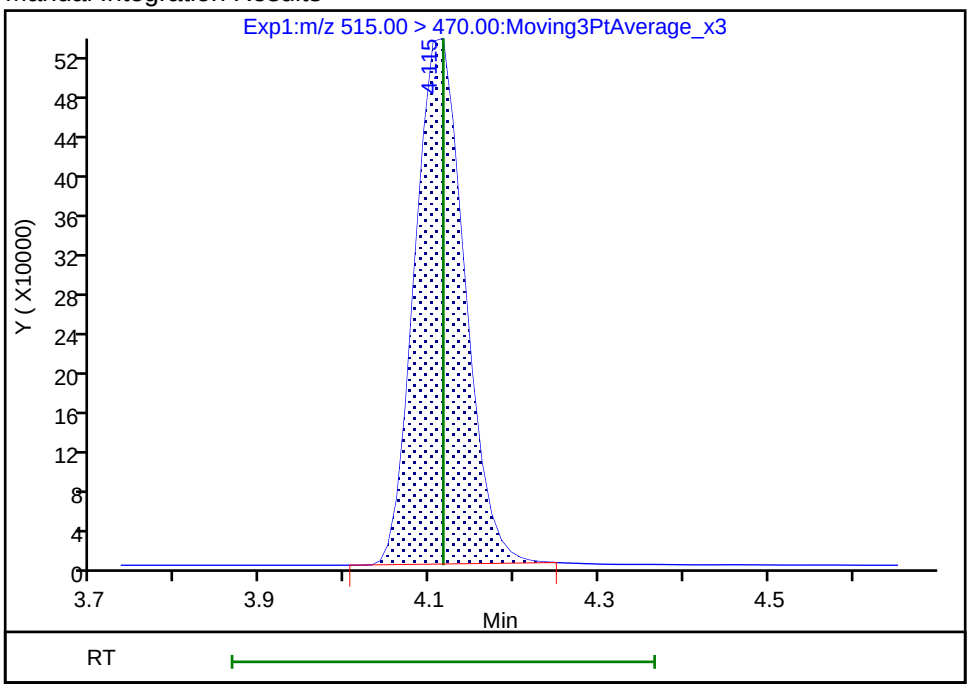
Processing Integration Results

RT: 4.12
Area: 2218385
Amount: 1.250378
Amount Units: ng/ml



Manual Integration Results

RT: 4.12
Area: 2192497
Amount: 1.238309
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:07:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

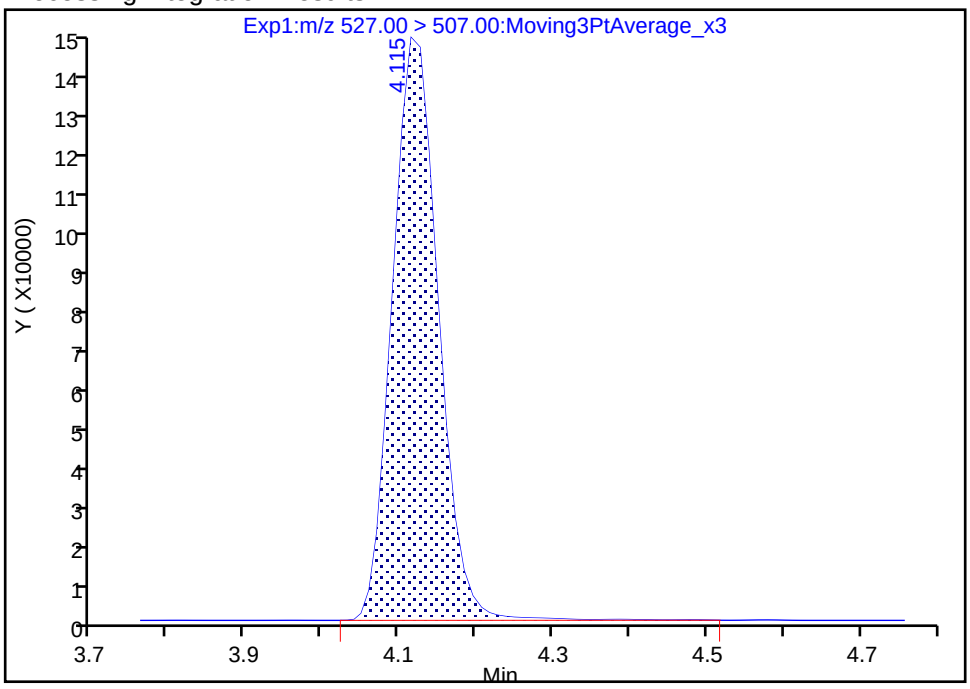
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

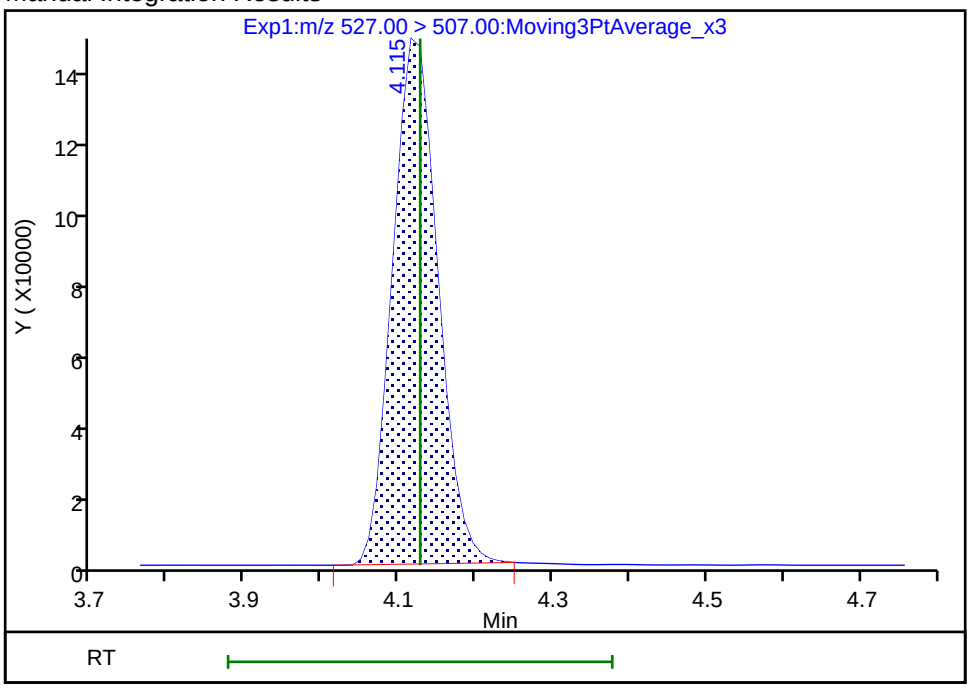
Processing Integration Results

RT: 4.12
Area: 596373
Amount: 2.364958
Amount Units: ng/ml



Manual Integration Results

RT: 4.12
Area: 587709
Amount: 2.330600
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:07:16
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

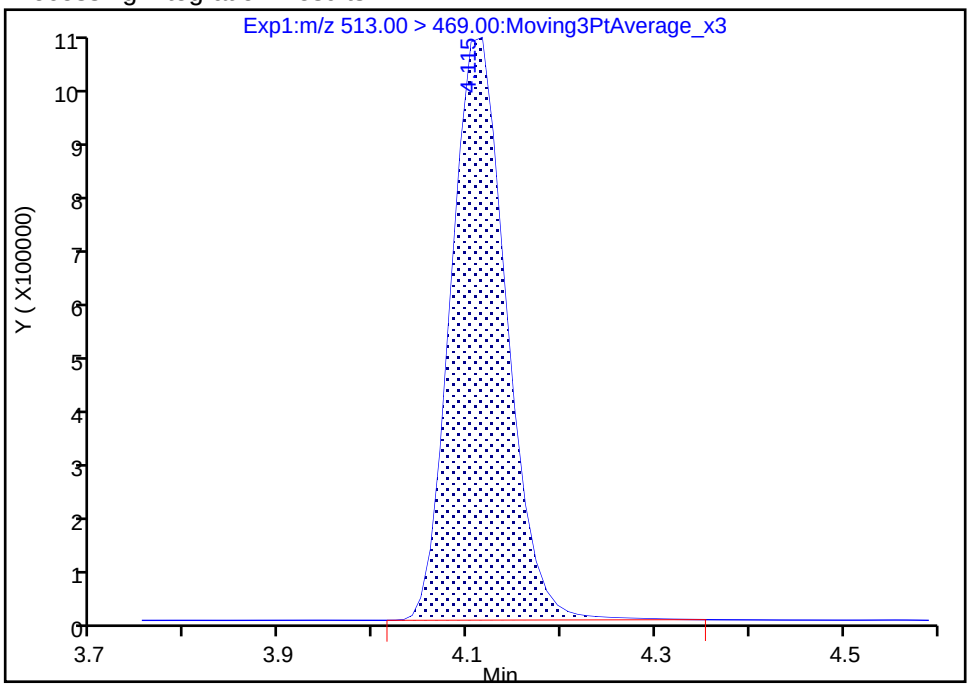
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

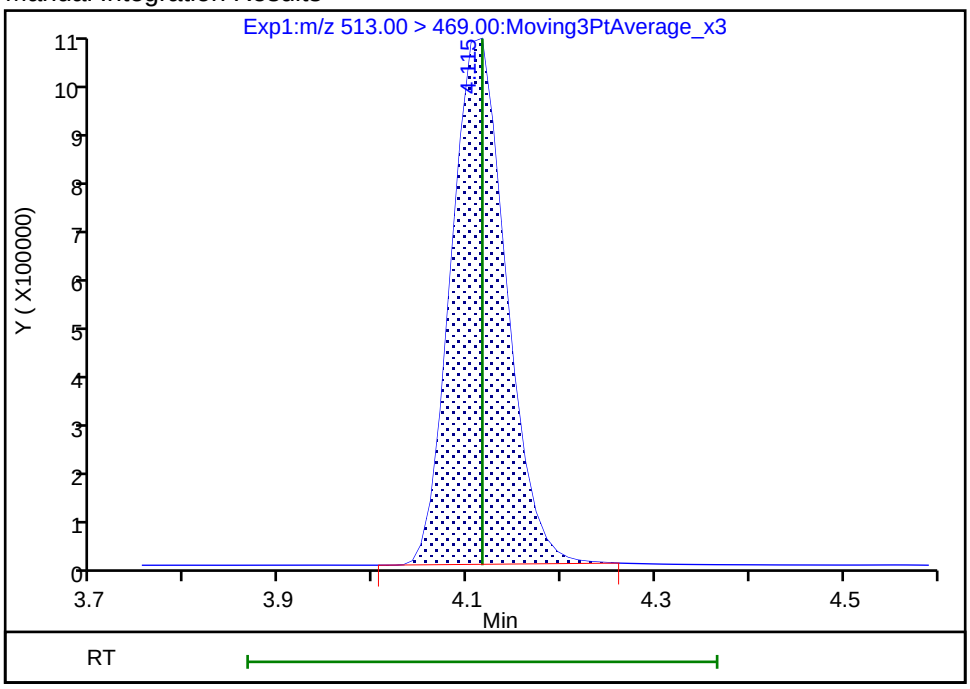
Processing Integration Results

RT: 4.12
Area: 4264005
Amount: 2.291100
Amount Units: ng/ml



Manual Integration Results

RT: 4.12
Area: 4231213
Amount: 2.293743
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:07:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

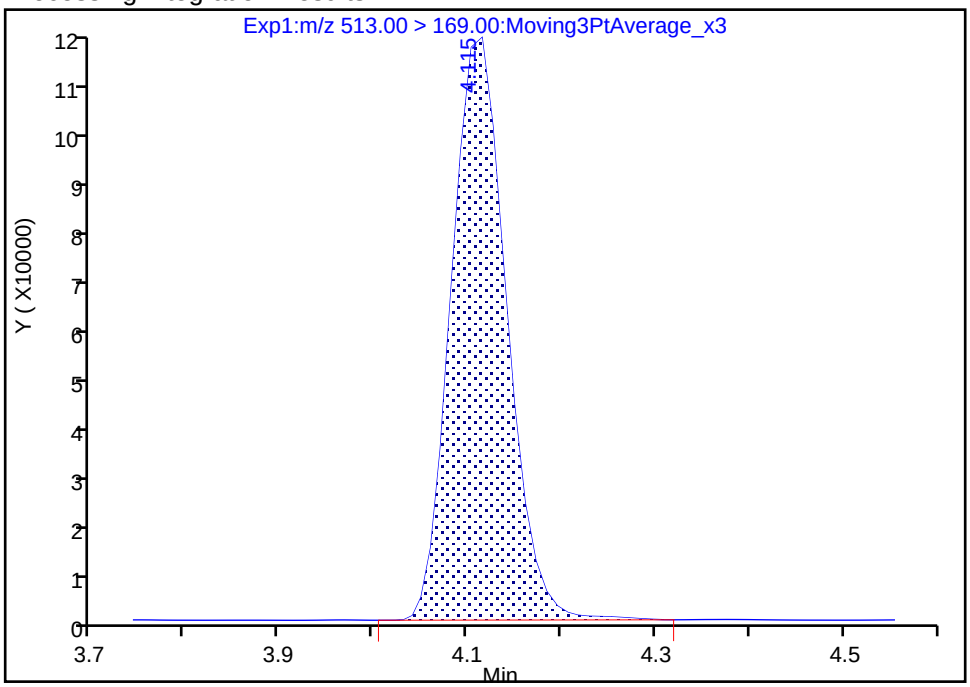
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

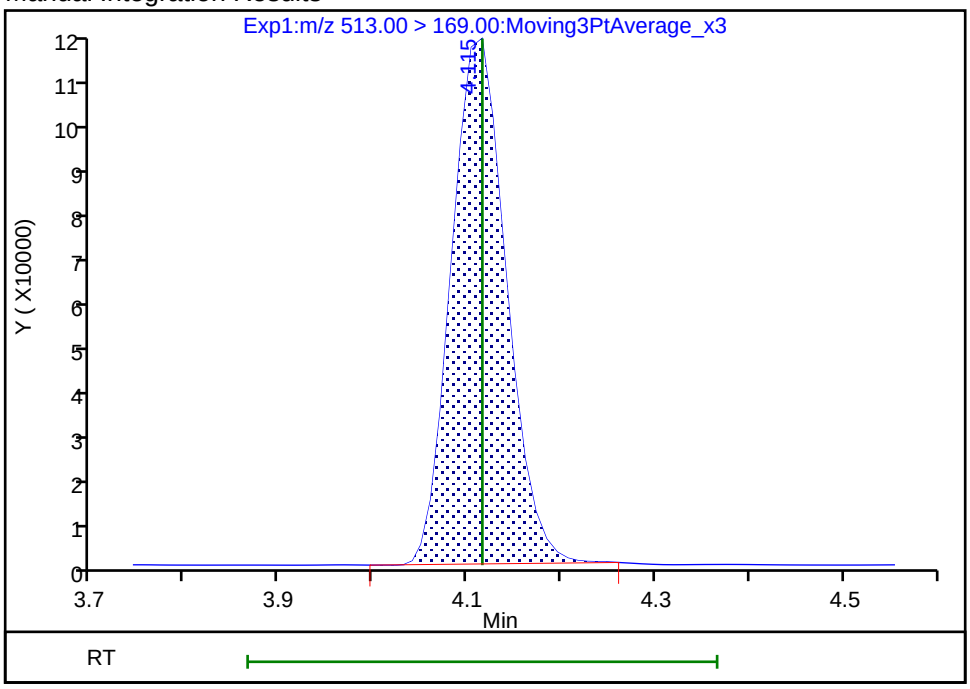
Processing Integration Results

RT: 4.12
Area: 470427
Amount: 2.291100
Amount Units: ng/ml



Manual Integration Results

RT: 4.12
Area: 465636
Amount: 2.293743
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:07:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

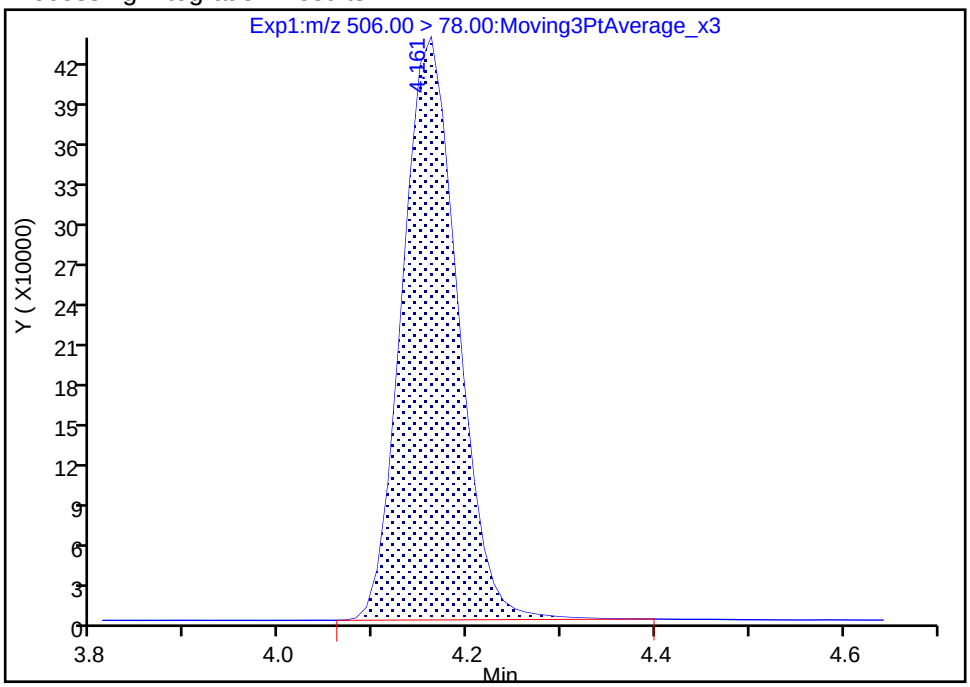
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d				
Injection Date:	04-Aug-2022 15:39:24	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

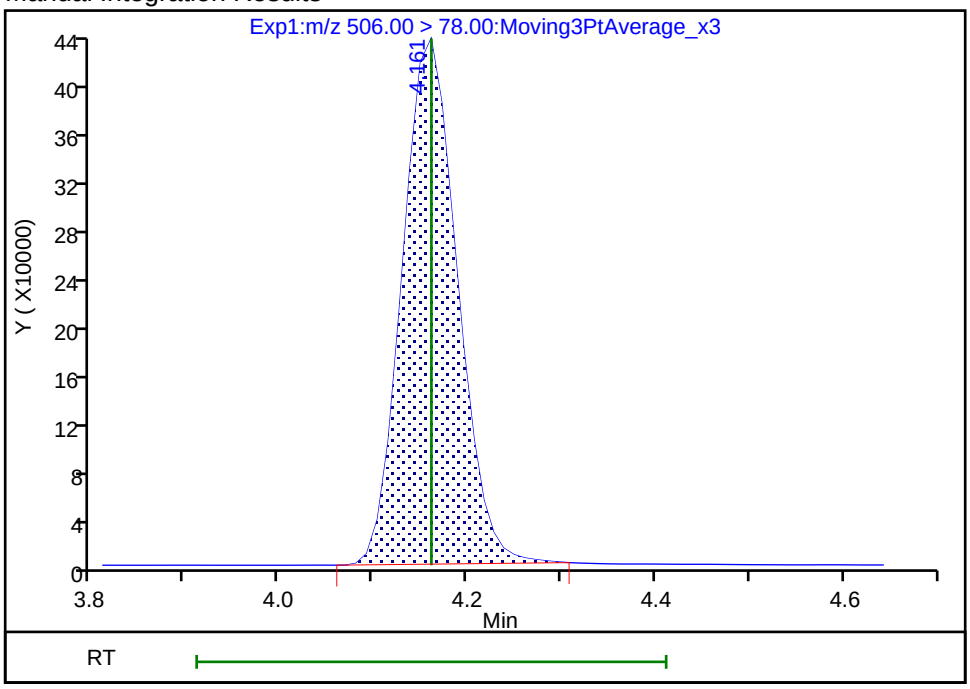
Processing Integration Results

RT: 4.16
Area: 1785206
Amount: 1.152017
Amount Units: ng/ml



Manual Integration Results

RT: 4.16
Area: 1772068
Amount: 1.143539
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:07:21

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

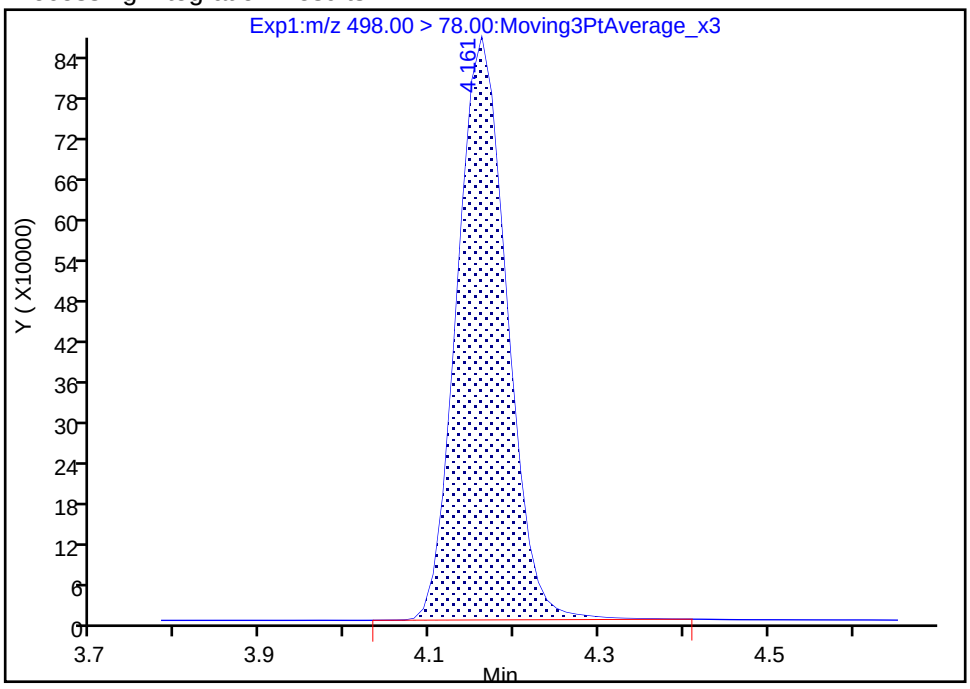
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

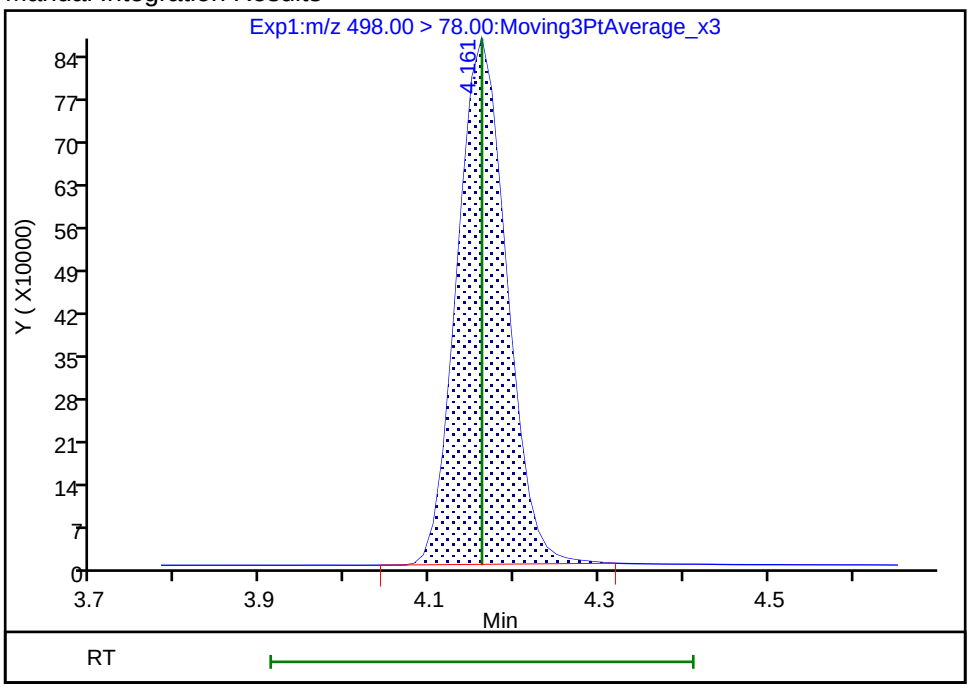
Processing Integration Results

RT: 4.16
Area: 3518860
Amount: 2.435868
Amount Units: ng/ml



Manual Integration Results

RT: 4.16
Area: 3498670
Amount: 2.421892
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:07:25
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

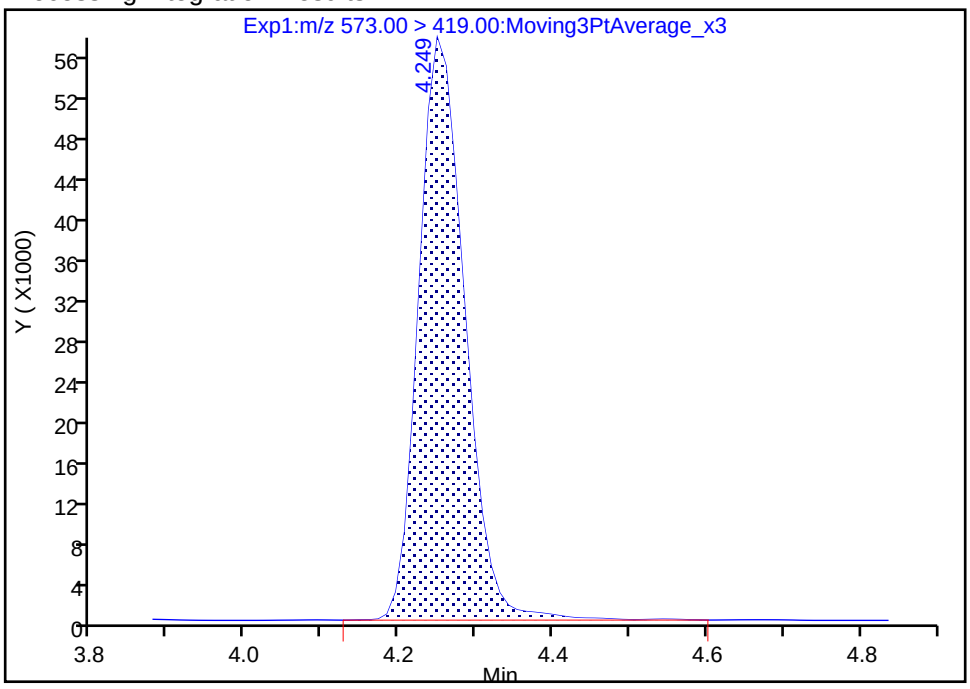
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

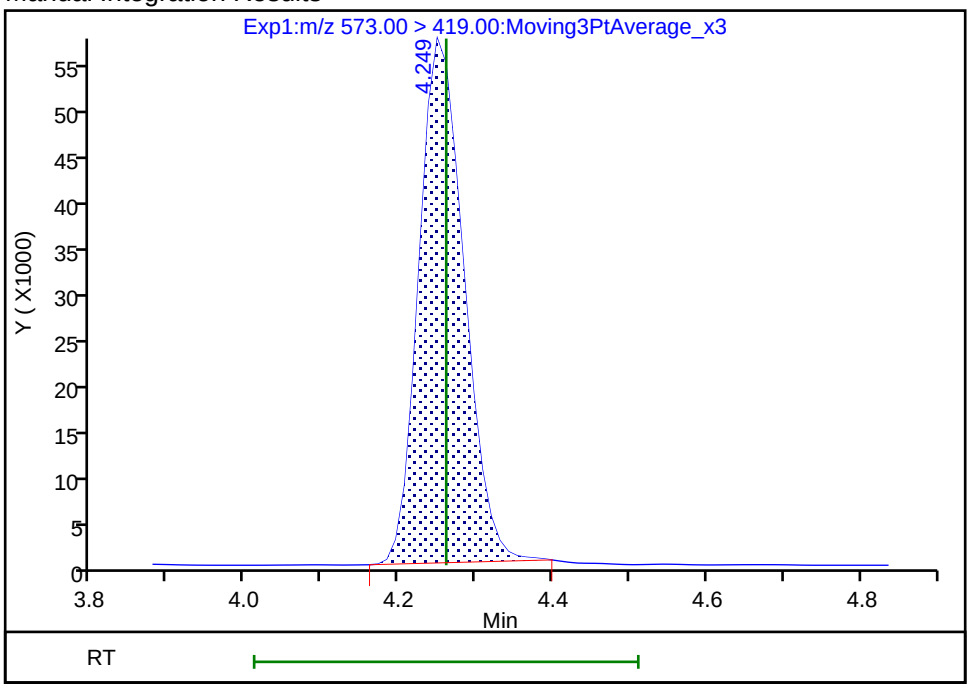
Processing Integration Results

RT: 4.25
Area: 237481
Amount: 0.998680
Amount Units: ng/ml



Manual Integration Results

RT: 4.25
Area: 231673
Amount: 0.976244
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:08:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

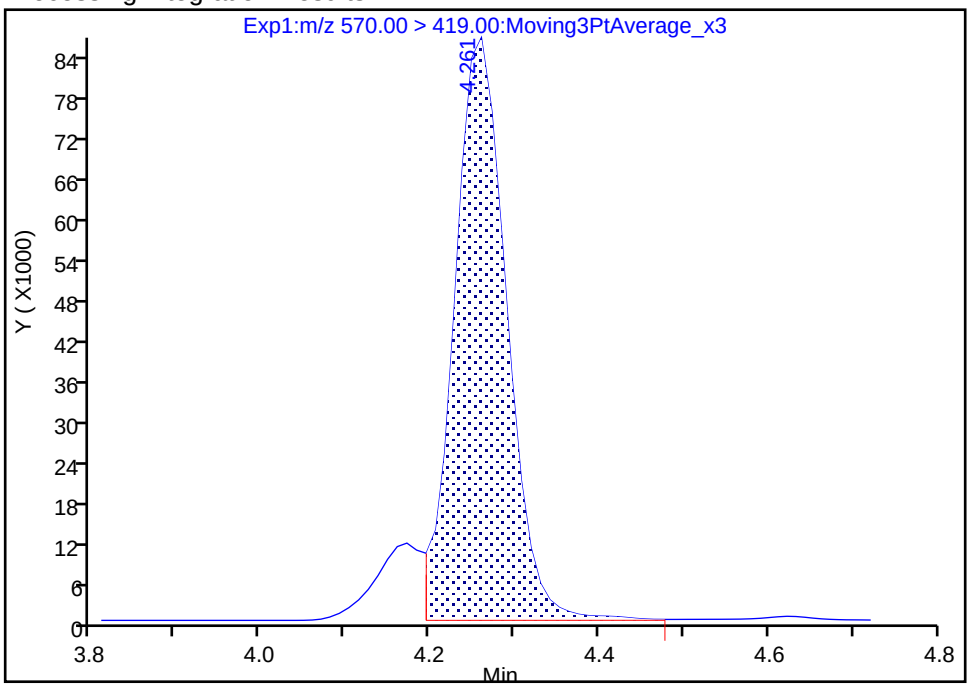
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

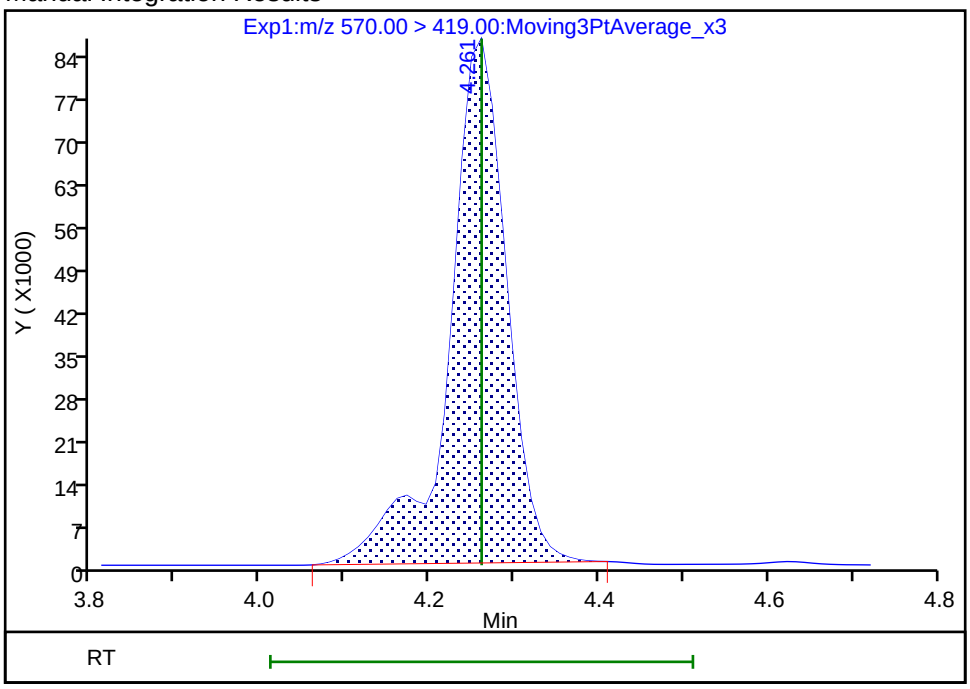
Processing Integration Results

RT: 4.26
Area: 369126
Amount: 2.200584
Amount Units: ng/ml



Manual Integration Results

RT: 4.26
Area: 405293
Amount: 2.462274
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:07:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

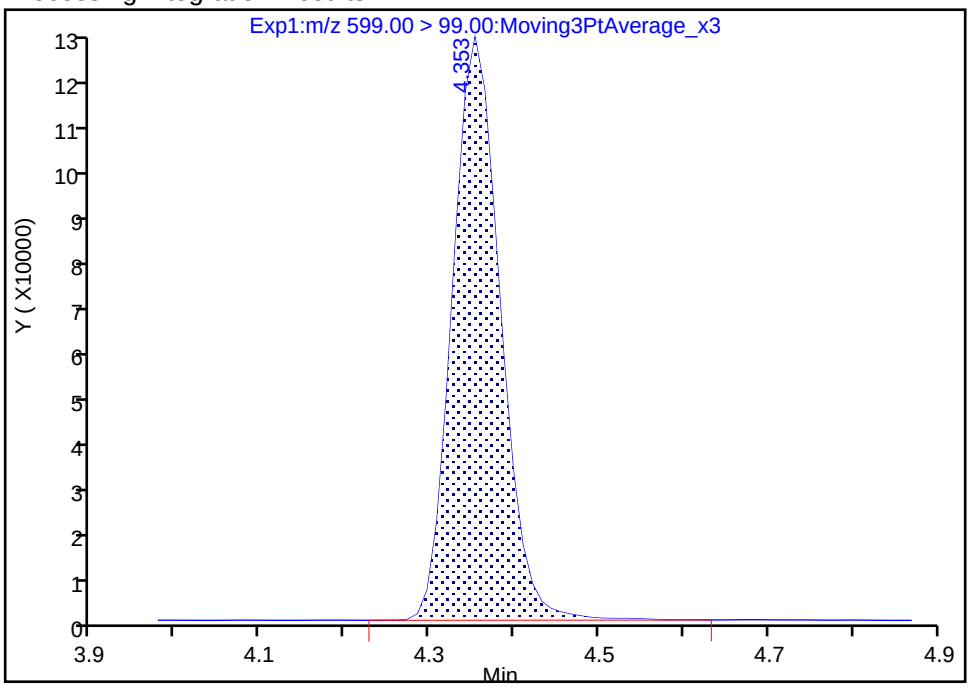
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

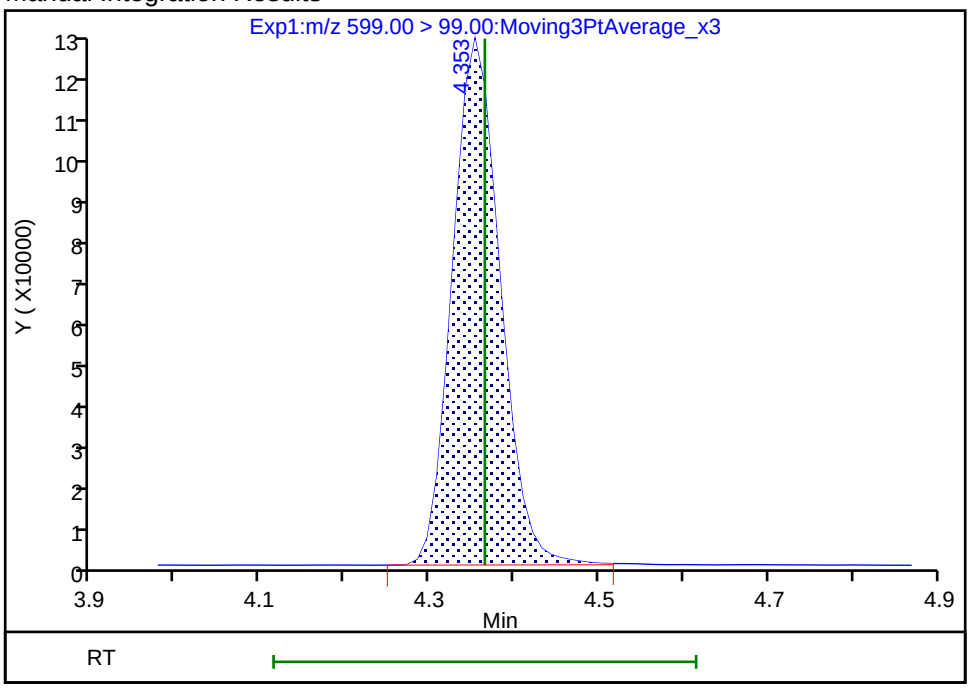
Processing Integration Results

RT: 4.35
Area: 494625
Amount: 2.279870
Amount Units: ng/ml



Manual Integration Results

RT: 4.35
Area: 493069
Amount: 2.251894
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:36:33
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

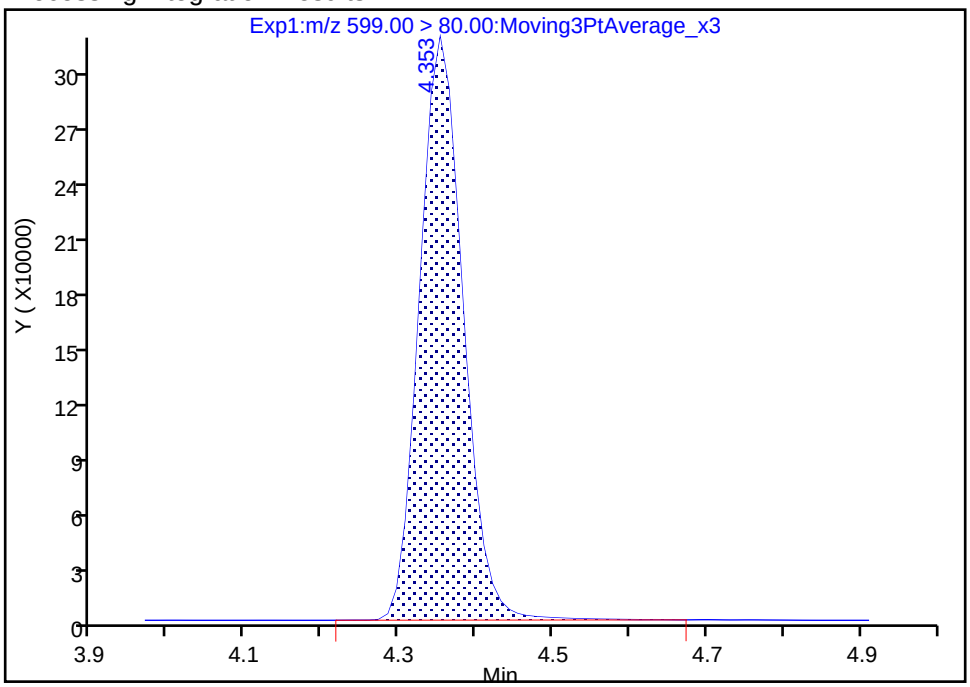
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

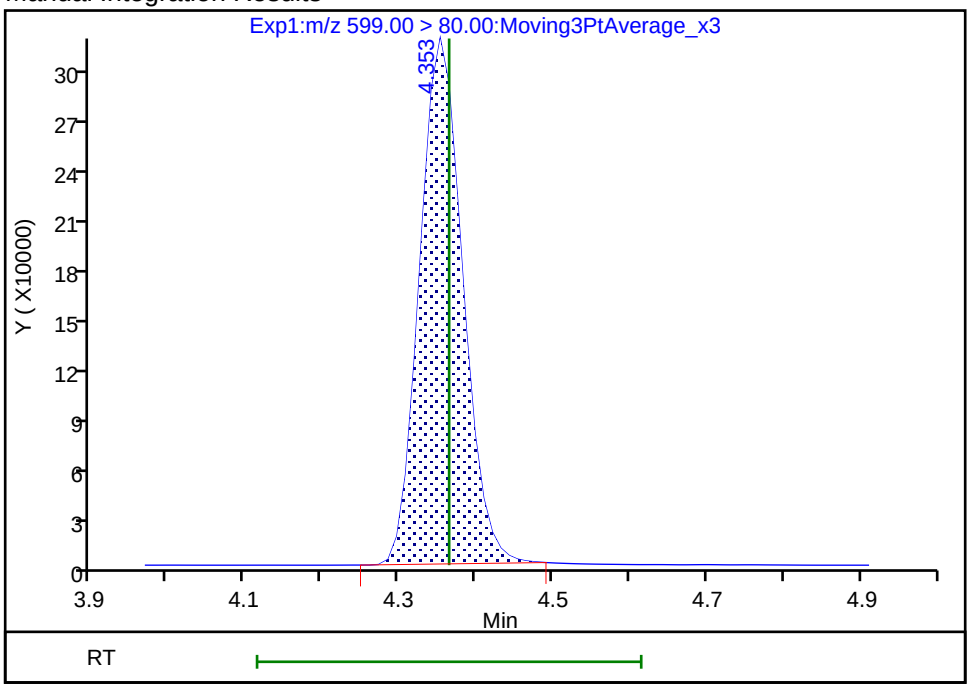
Processing Integration Results

RT: 4.35
Area: 1234536
Amount: 2.279870
Amount Units: ng/ml



Manual Integration Results

RT: 4.35
Area: 1219387
Amount: 2.251894
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:08:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

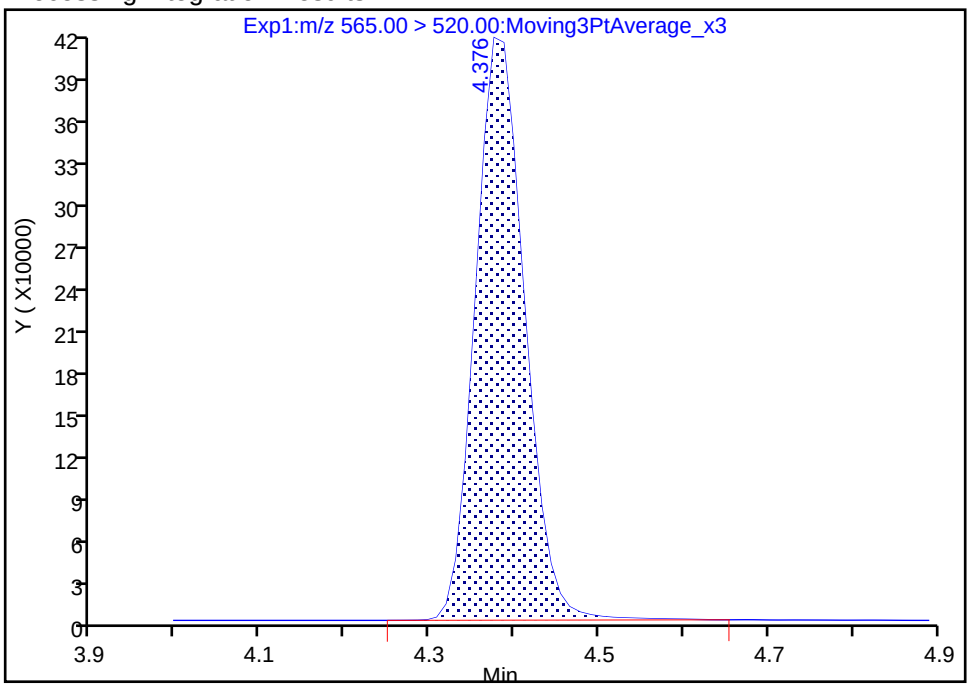
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

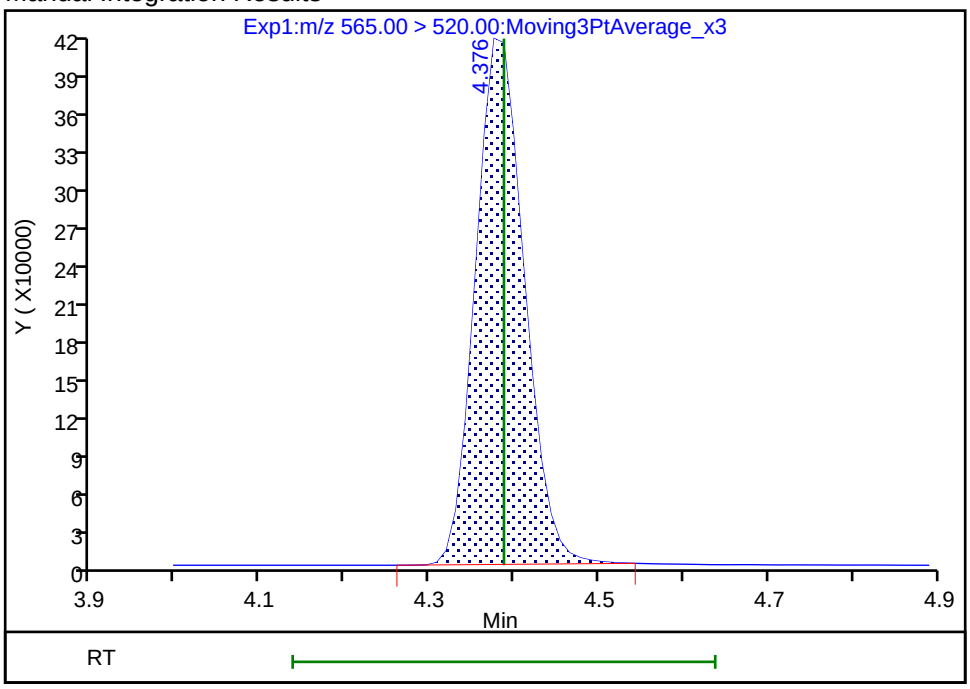
Processing Integration Results

RT: 4.38
Area: 1656230
Amount: 1.234600
Amount Units: ng/ml



Manual Integration Results

RT: 4.38
Area: 1642888
Amount: 1.224655
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:08:46
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

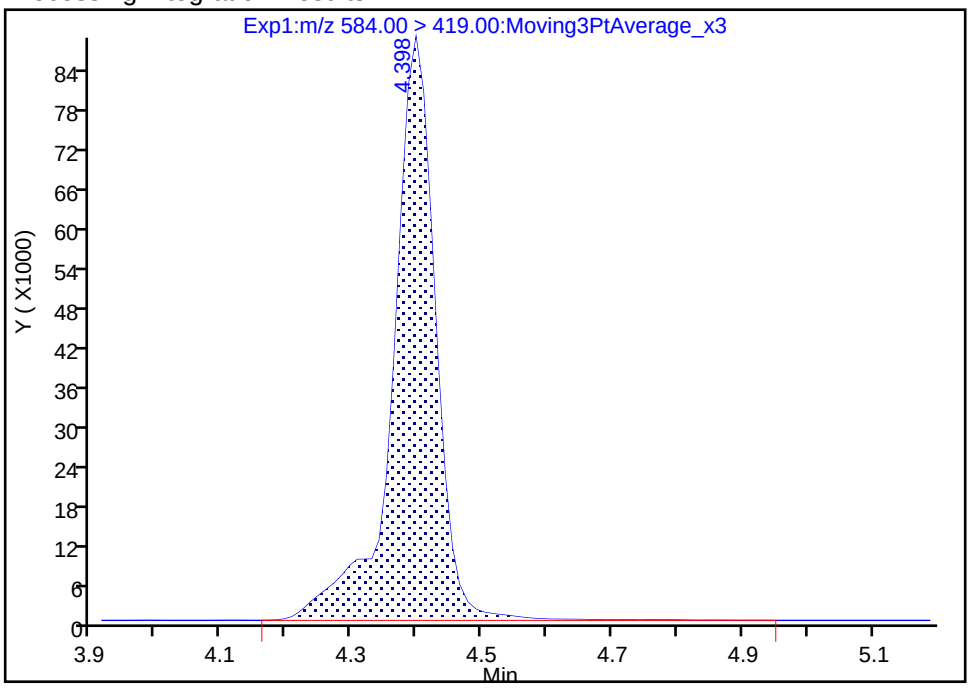
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d				
Injection Date:	04-Aug-2022 15:39:24	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

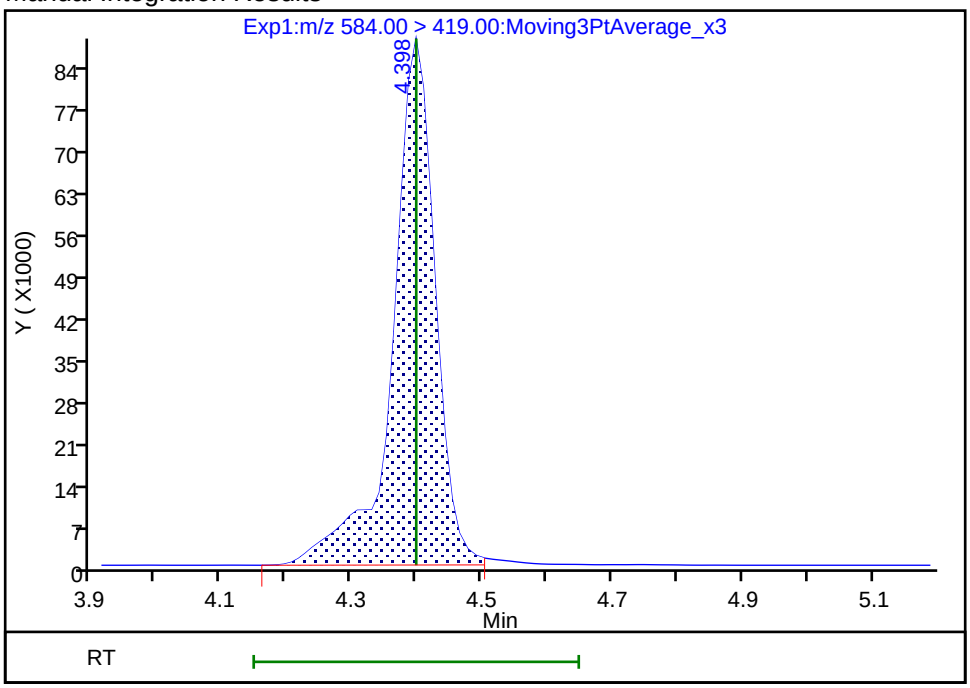
Processing Integration Results

RT: 4.40
Area: 407073
Amount: 2.308429
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 401555
Amount: 2.277138
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:09:17

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

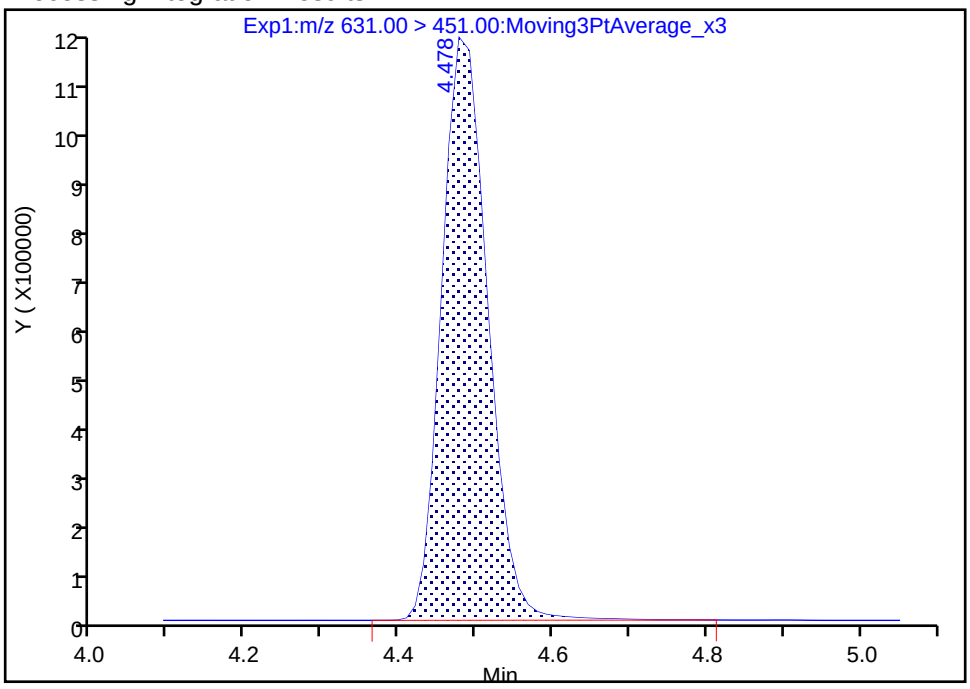
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

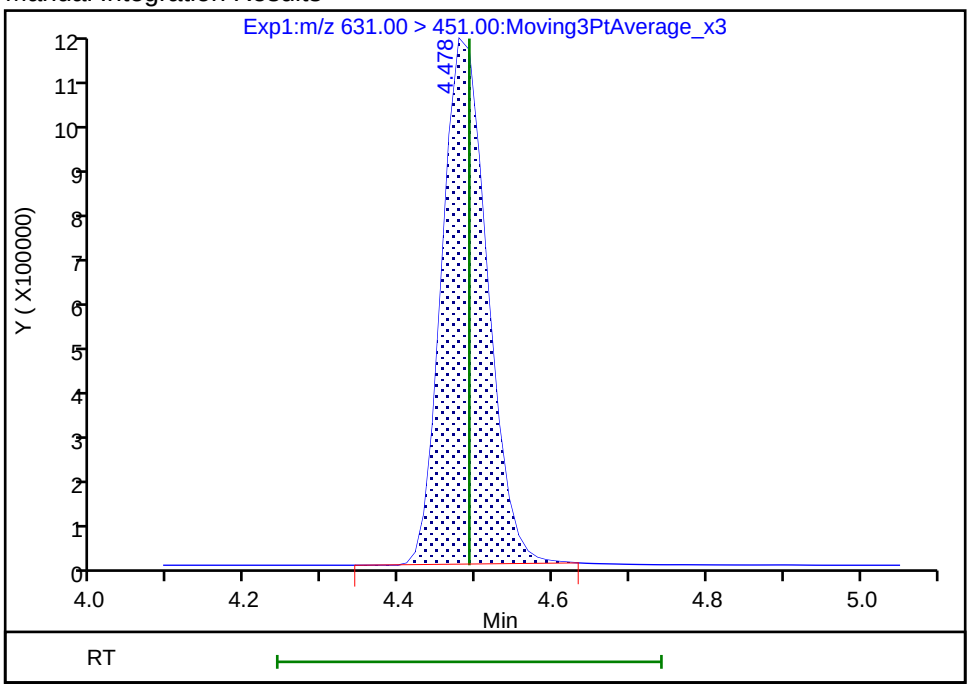
Processing Integration Results

RT: 4.48
Area: 4583018
Amount: 2.144840
Amount Units: ng/ml



Manual Integration Results

RT: 4.48
Area: 4528647
Amount: 2.119394
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:09:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

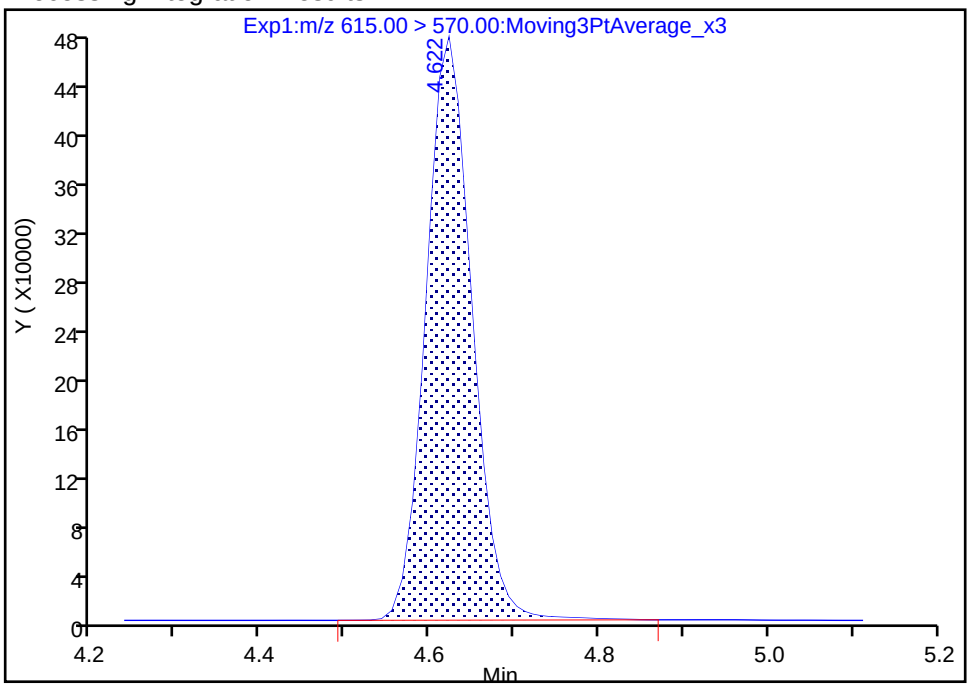
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 36 13C2 PFDoA, CAS: STL00998

Signal: 1

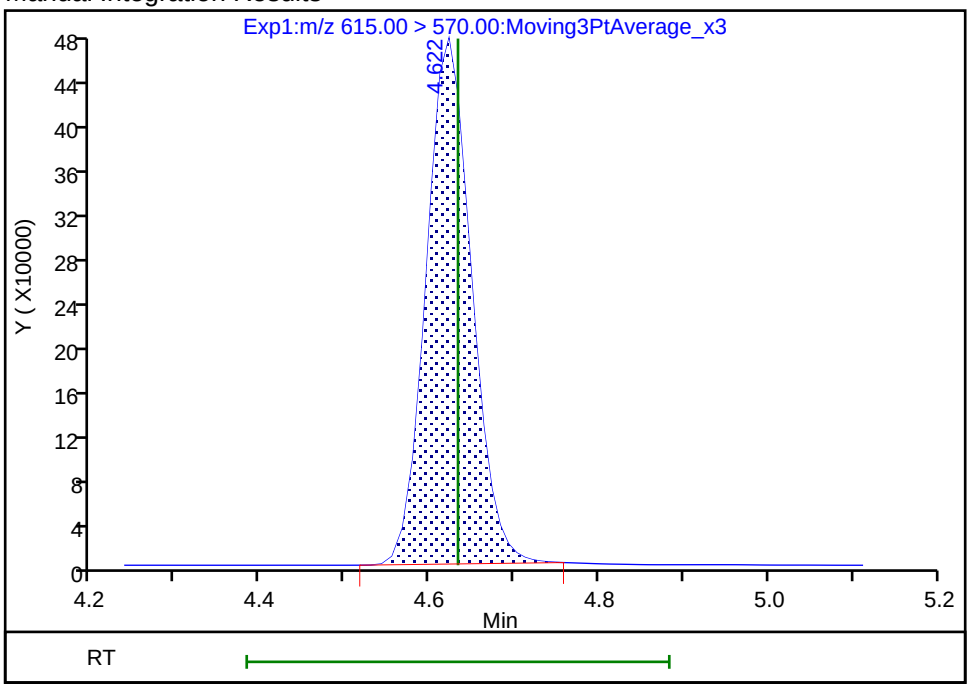
Processing Integration Results

RT: 4.62
Area: 1778216
Amount: 1.279173
Amount Units: ng/ml



Manual Integration Results

RT: 4.62
Area: 1757550
Amount: 1.264307
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:09:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

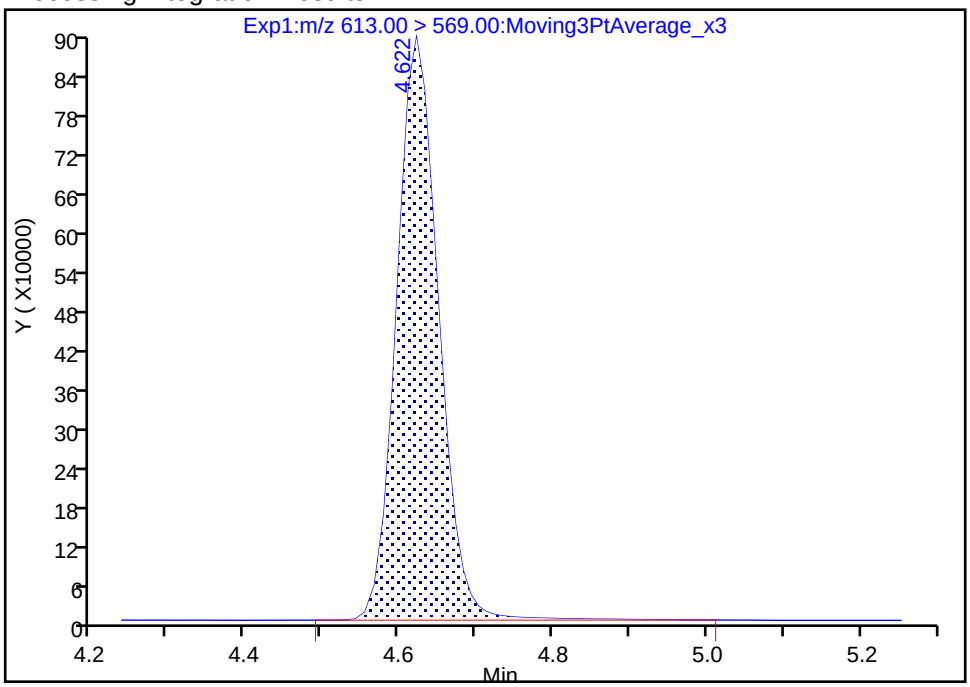
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

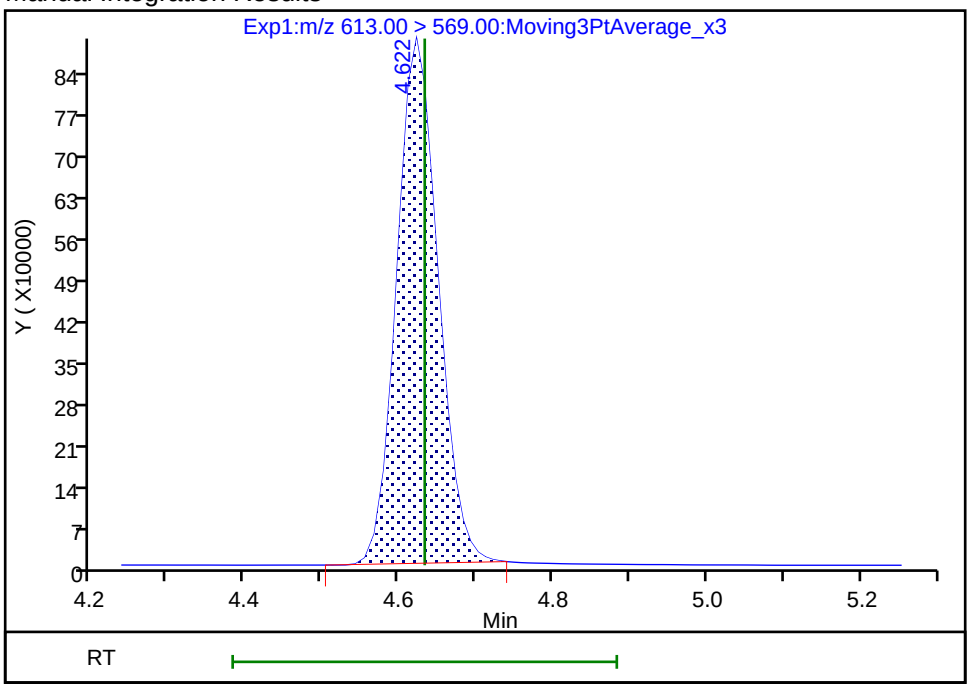
Processing Integration Results

RT: 4.62
Area: 3392555
Amount: 2.351570
Amount Units: ng/ml



Manual Integration Results

RT: 4.62
Area: 3325410
Amount: 2.332131
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:09:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

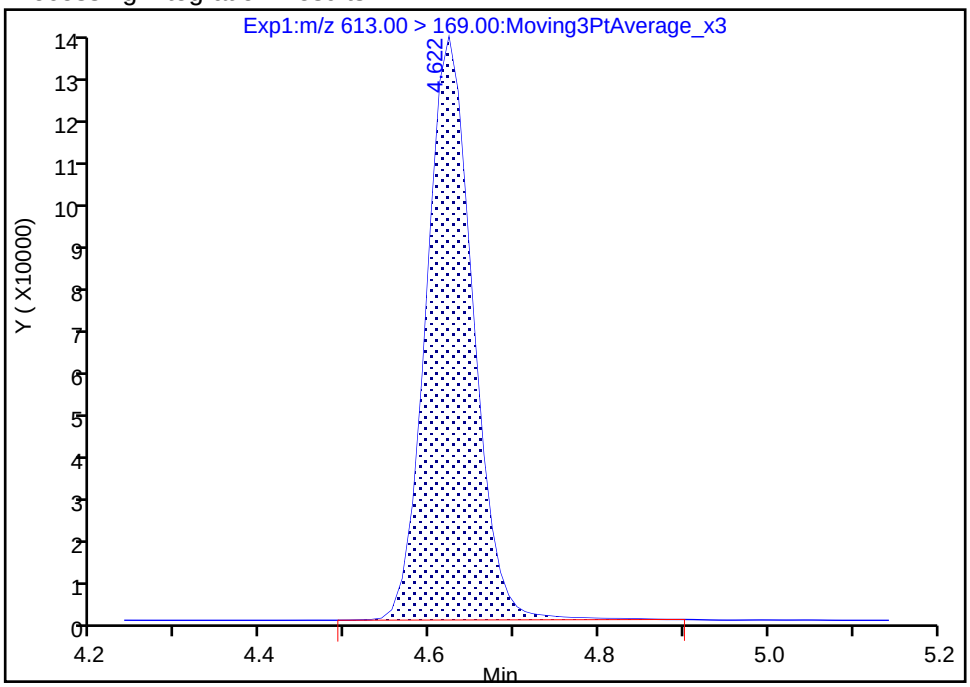
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

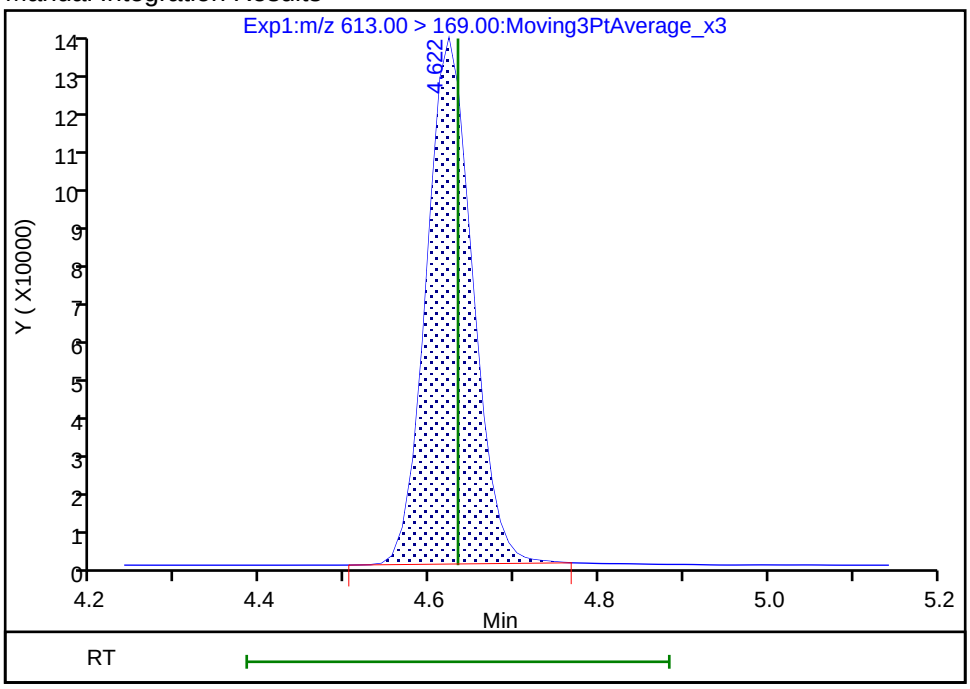
Processing Integration Results

RT: 4.62
Area: 516566
Amount: 2.351570
Amount Units: ng/ml



Manual Integration Results

RT: 4.62
Area: 511168
Amount: 2.332131
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:09:47
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

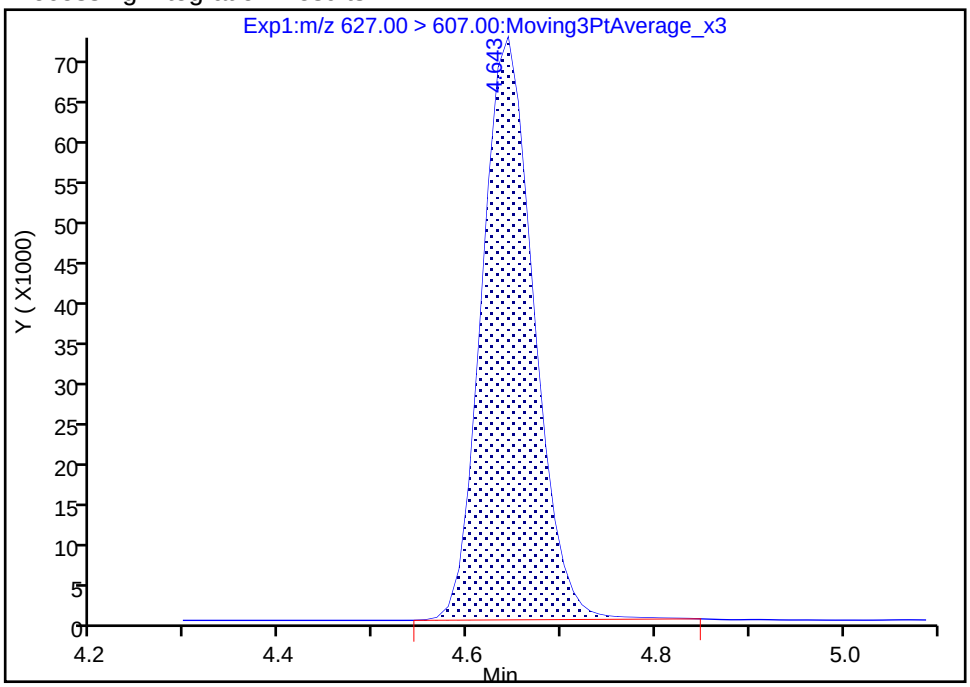
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

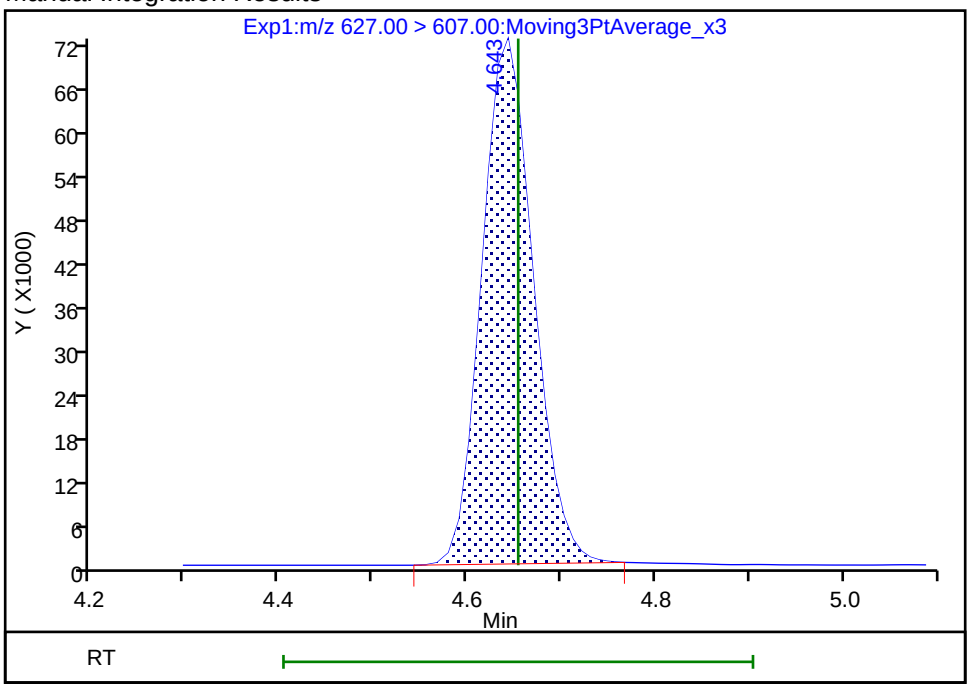
Processing Integration Results

RT: 4.64
Area: 276058
Amount: 2.343303
Amount Units: ng/ml



Manual Integration Results

RT: 4.64
Area: 273804
Amount: 2.324170
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:09:59
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

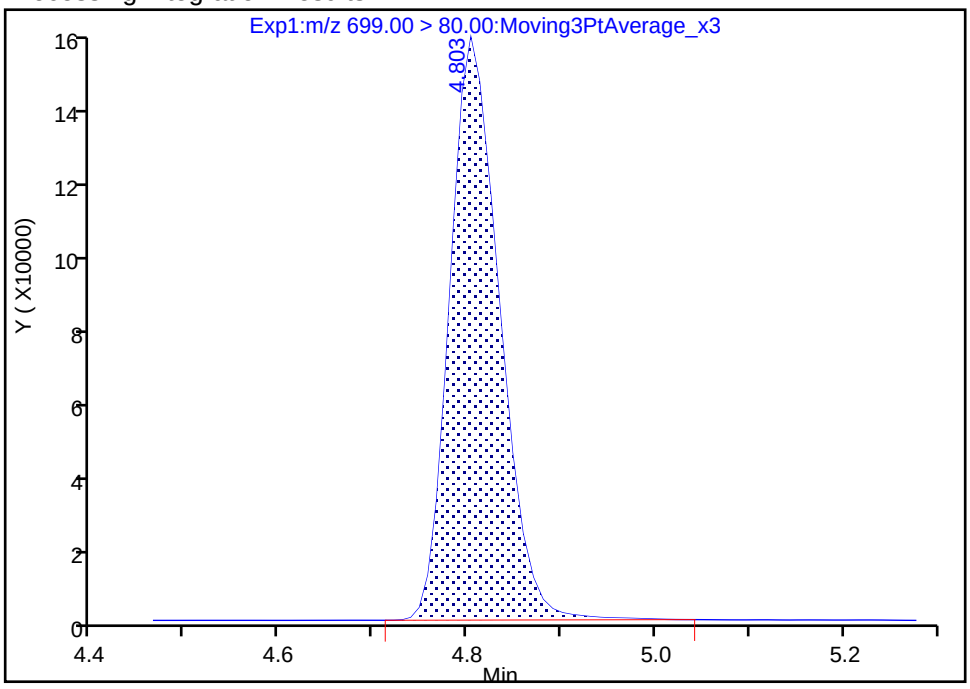
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d				
Injection Date:	04-Aug-2022 15:39:24	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

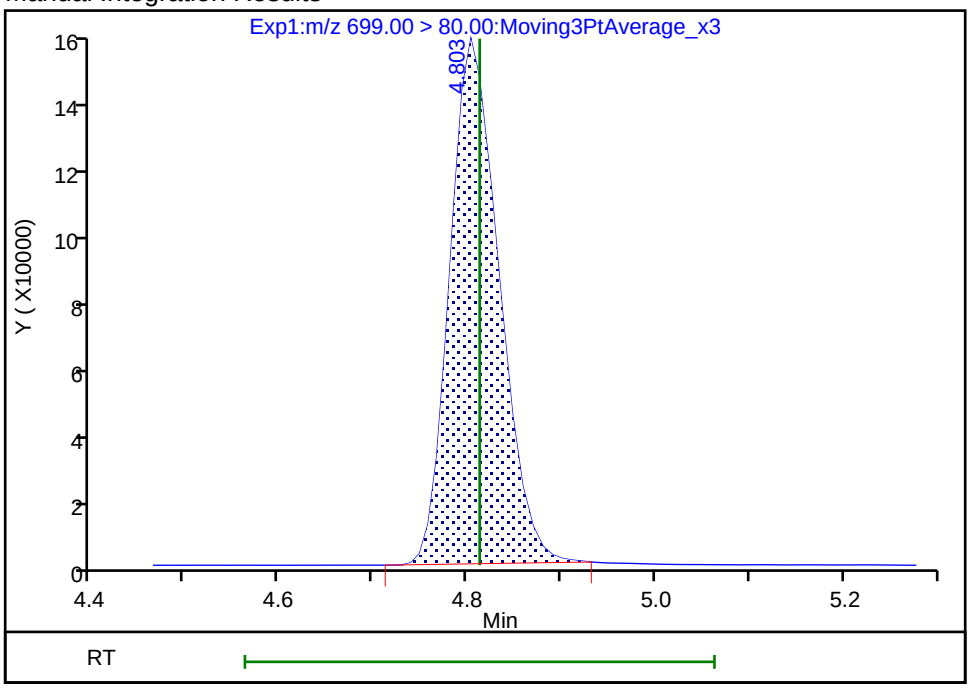
Processing Integration Results

RT: 4.80
Area: 584470
Amount: 2.431005
Amount Units: ng/ml



Manual Integration Results

RT: 4.80
Area: 576977
Amount: 2.399839
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:10:04

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

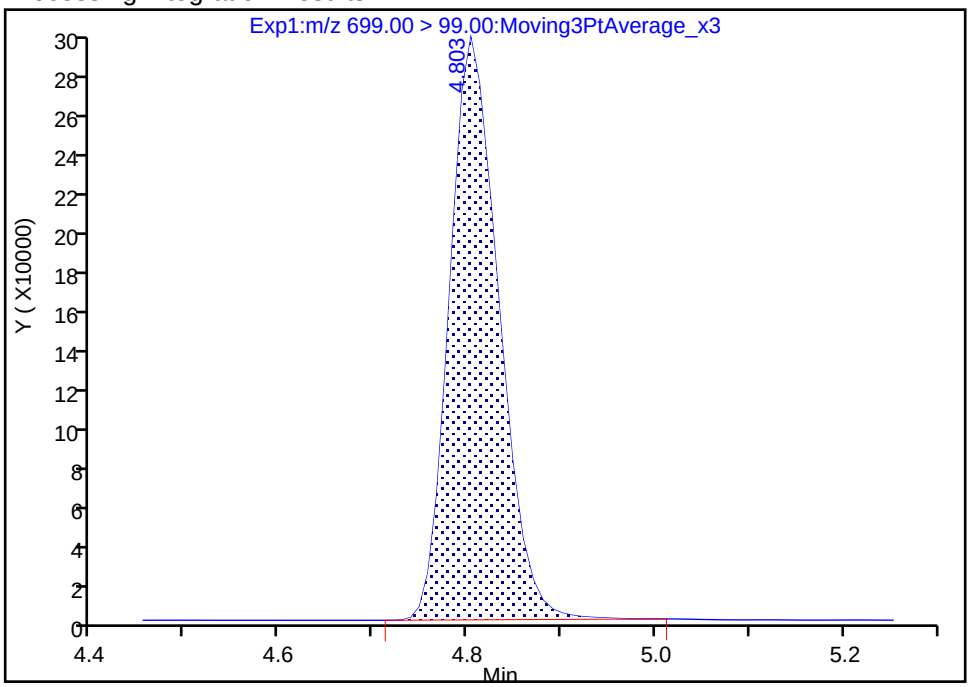
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 2

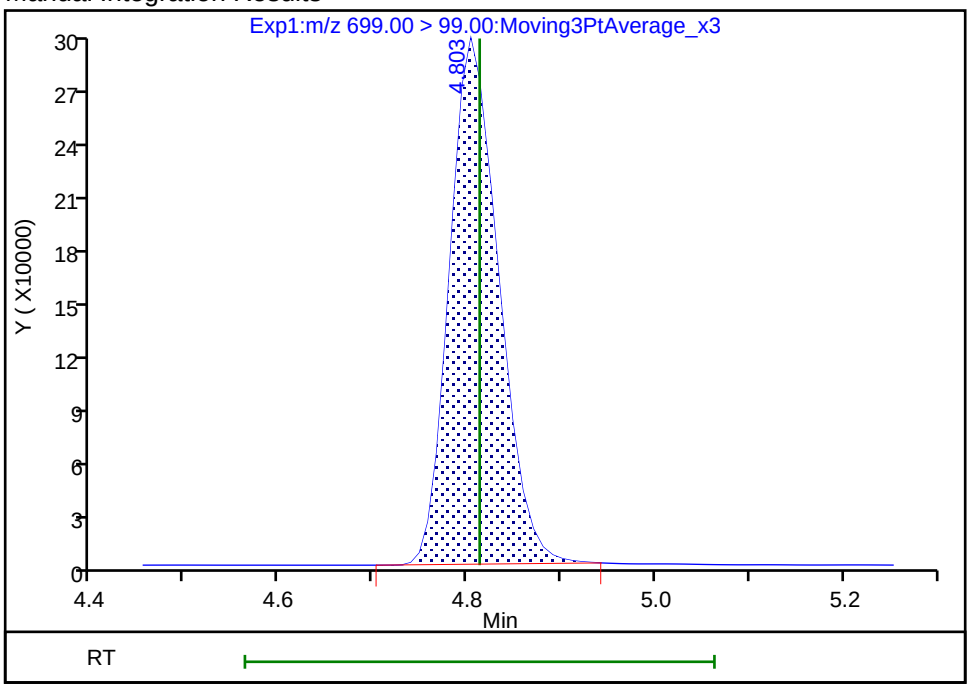
Processing Integration Results

RT: 4.80
Area: 1072940
Amount: 2.431005
Amount Units: ng/ml



Manual Integration Results

RT: 4.80
Area: 1066585
Amount: 2.399839
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:10:09
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

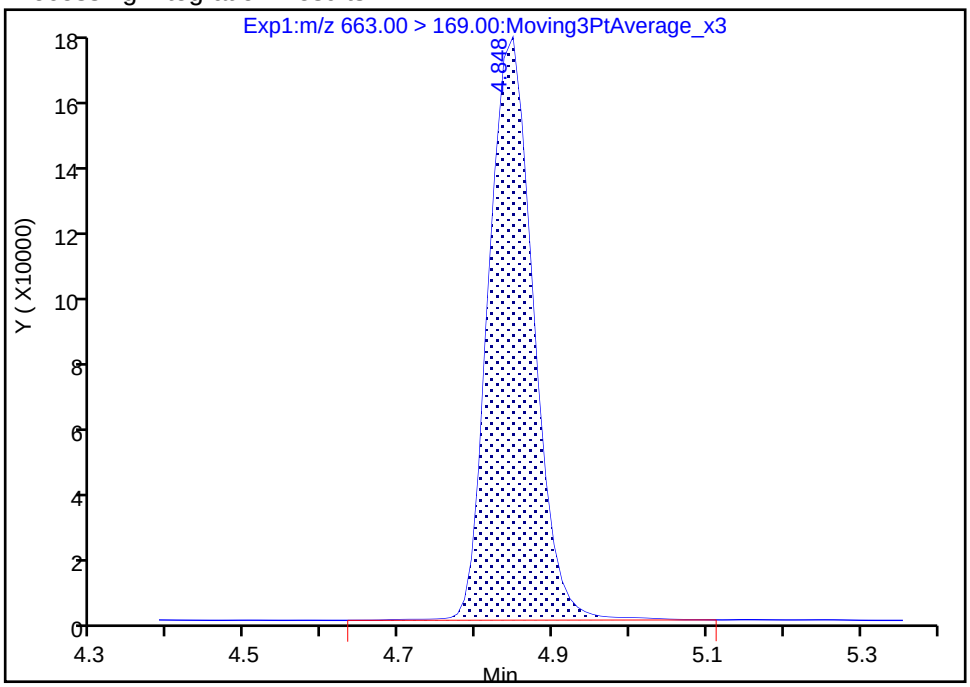
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

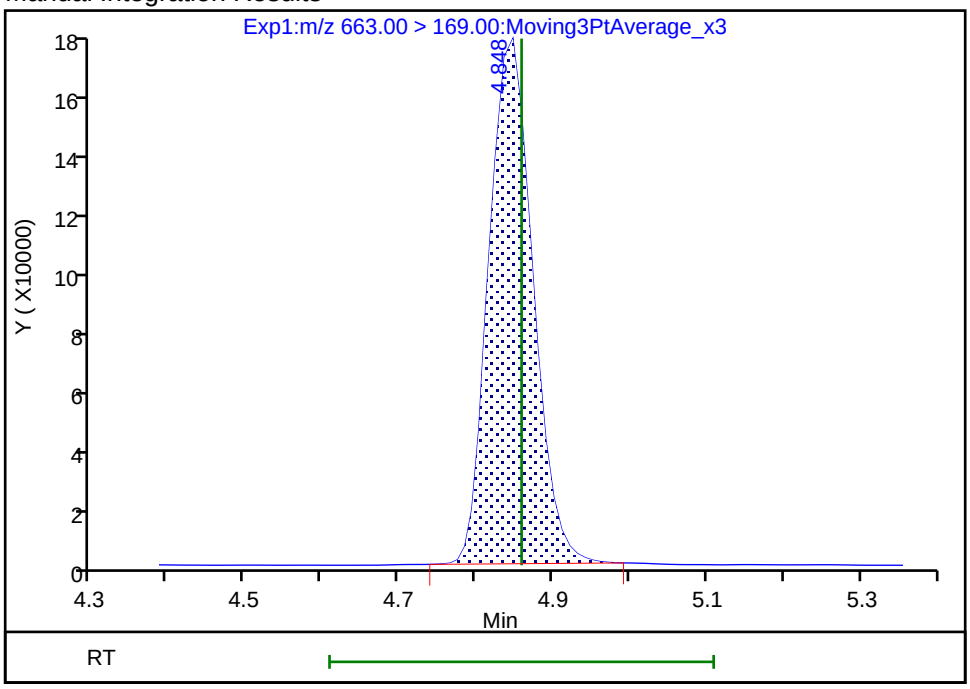
Processing Integration Results

RT: 4.85
Area: 688536
Amount: 2.506339
Amount Units: ng/ml



Manual Integration Results

RT: 4.85
Area: 679057
Amount: 2.512028
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:37:28
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

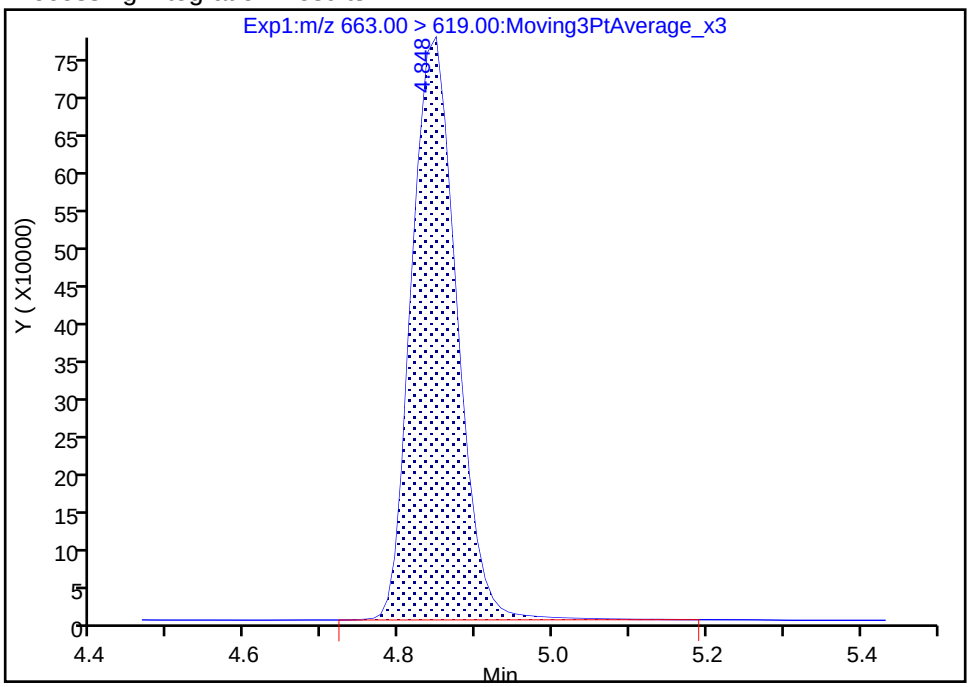
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

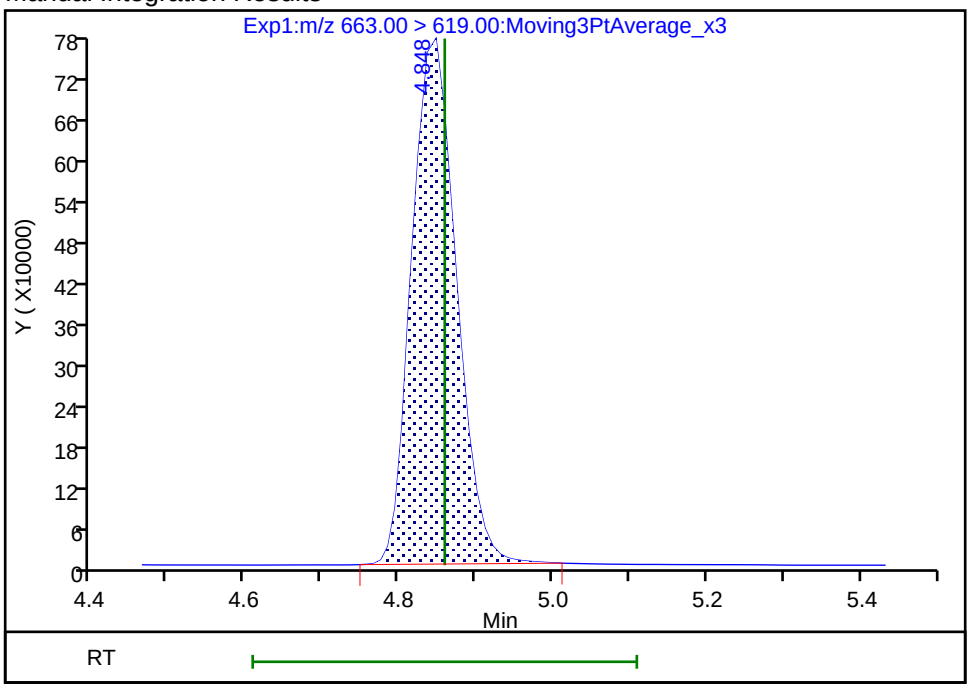
Processing Integration Results

RT: 4.85
Area: 3134446
Amount: 2.506339
Amount Units: ng/ml



Manual Integration Results

RT: 4.85
Area: 3105051
Amount: 2.512028
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:10:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

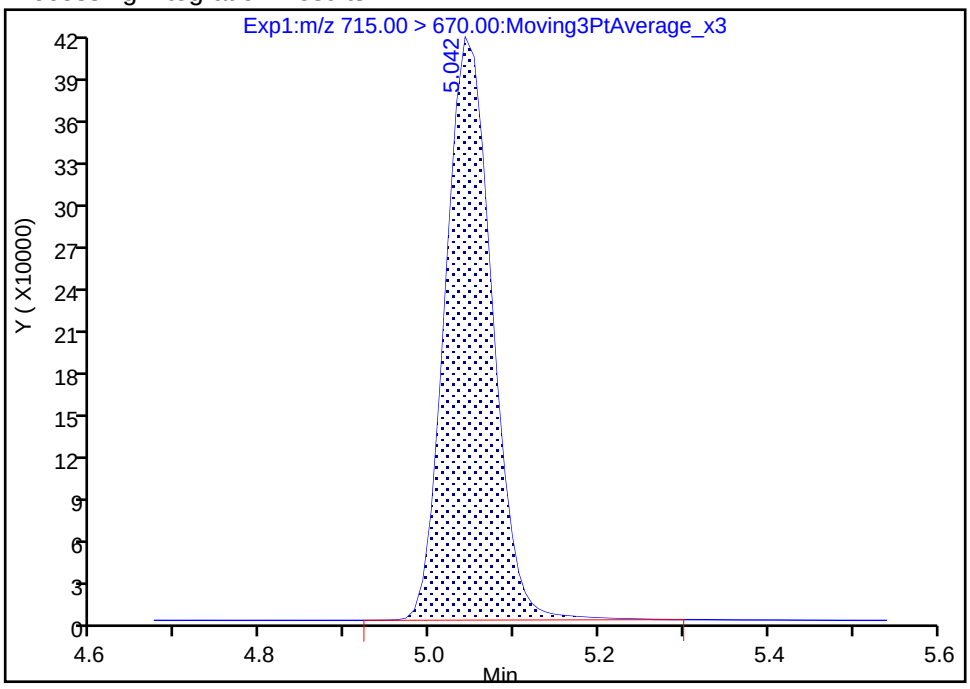
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d				
Injection Date:	04-Aug-2022 15:39:24	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

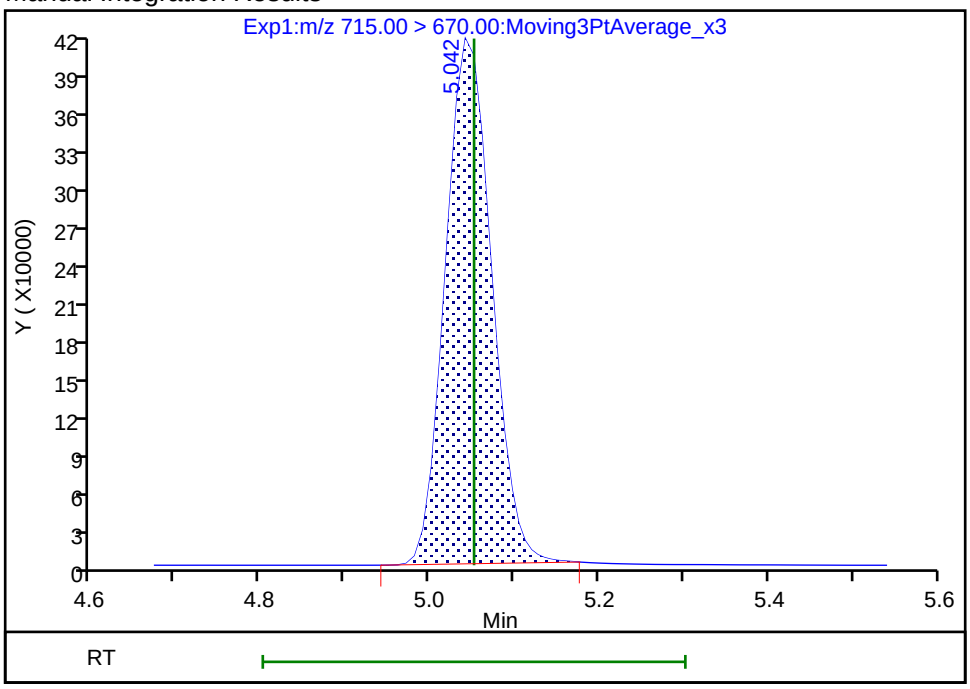
Processing Integration Results

RT: 5.04
Area: 1589582
Amount: 1.398798
Amount Units: ng/ml



Manual Integration Results

RT: 5.04
Area: 1569138
Amount: 1.380808
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:10:18

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

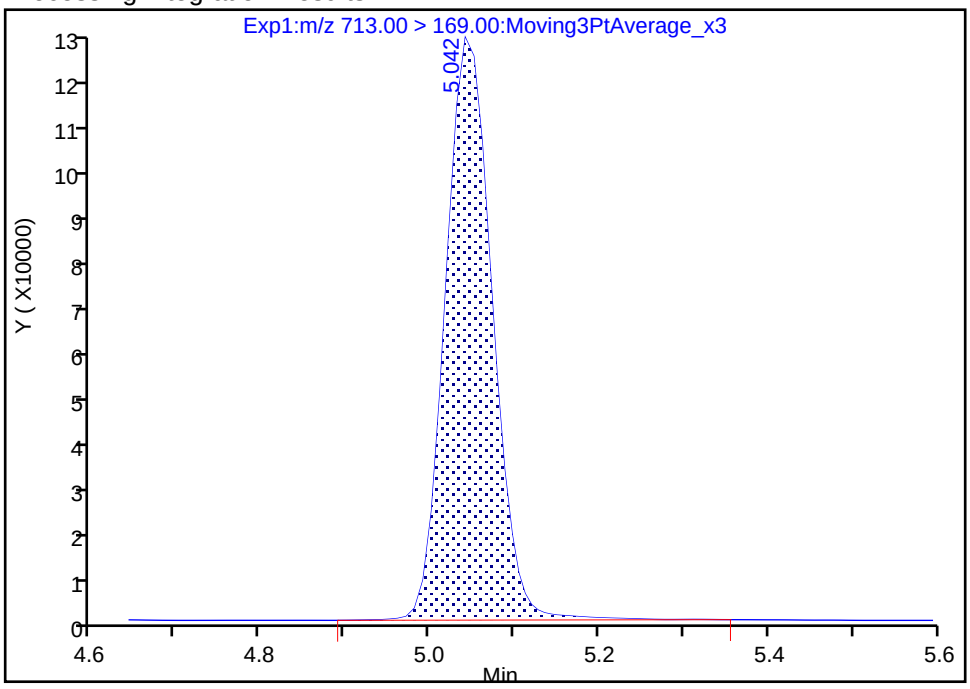
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

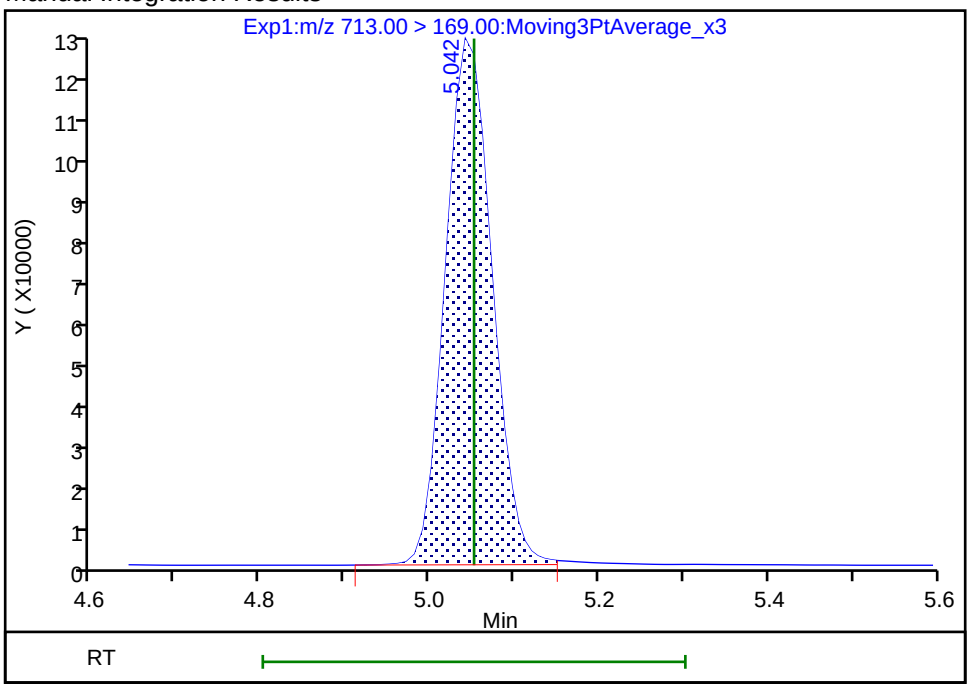
Processing Integration Results

RT: 5.04
Area: 472097
Amount: 2.317210
Amount Units: ng/ml



Manual Integration Results

RT: 5.04
Area: 468076
Amount: 2.327407
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:37:47
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

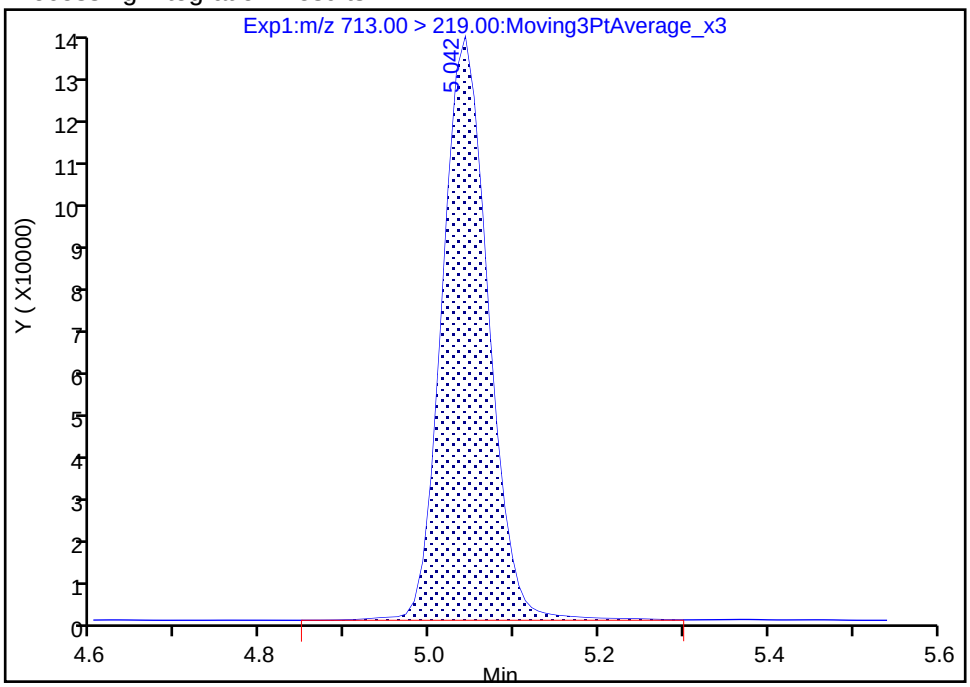
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

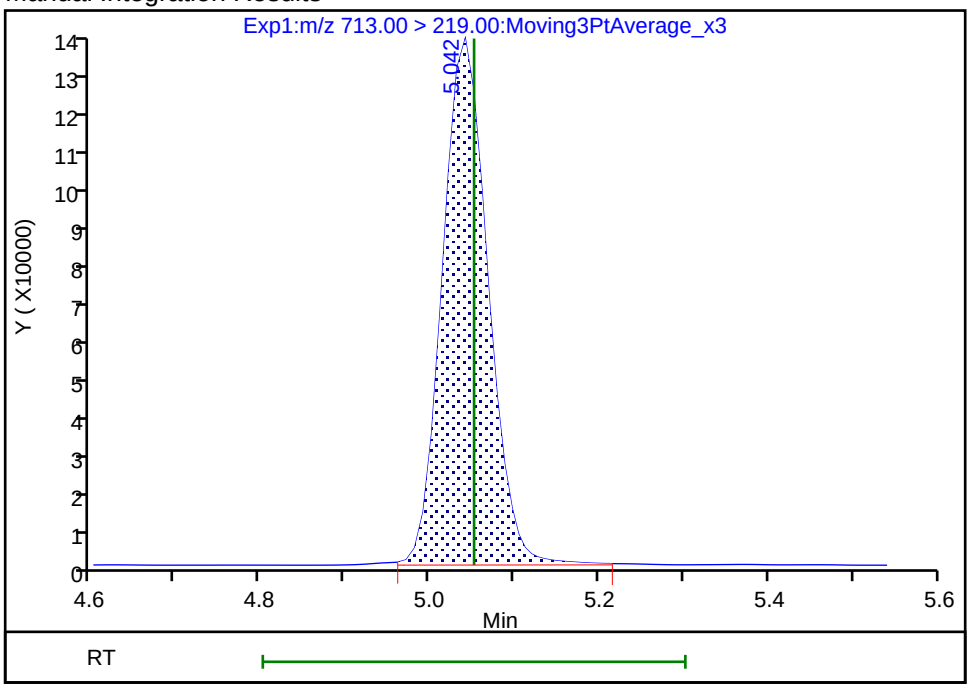
Processing Integration Results

RT: 5.04
Area: 497972
Amount: 2.317210
Amount Units: ng/ml



Manual Integration Results

RT: 5.04
Area: 494732
Amount: 2.327407
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:37:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

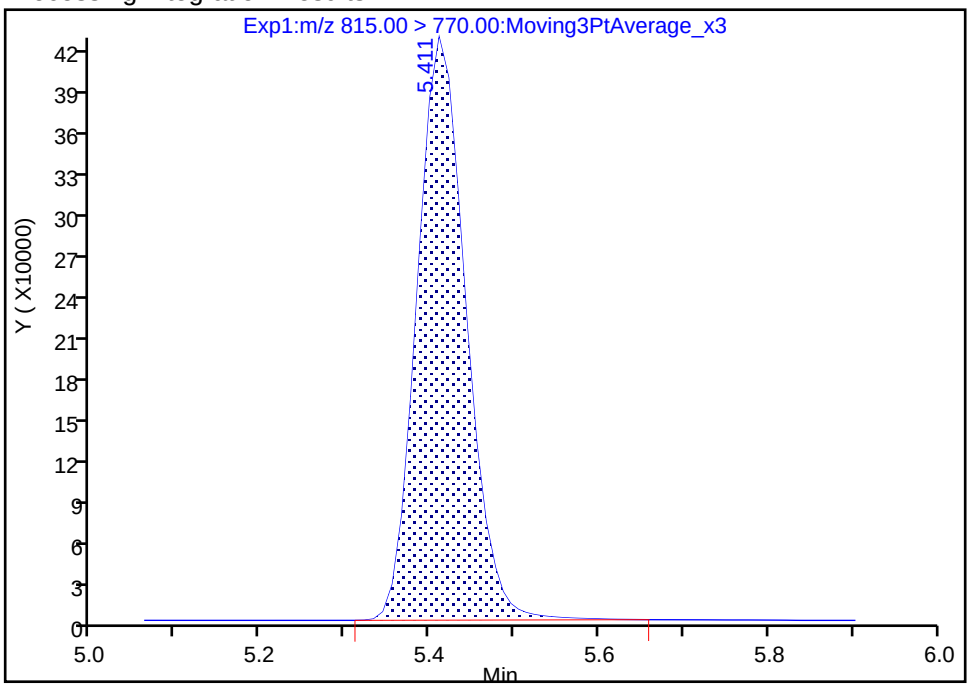
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

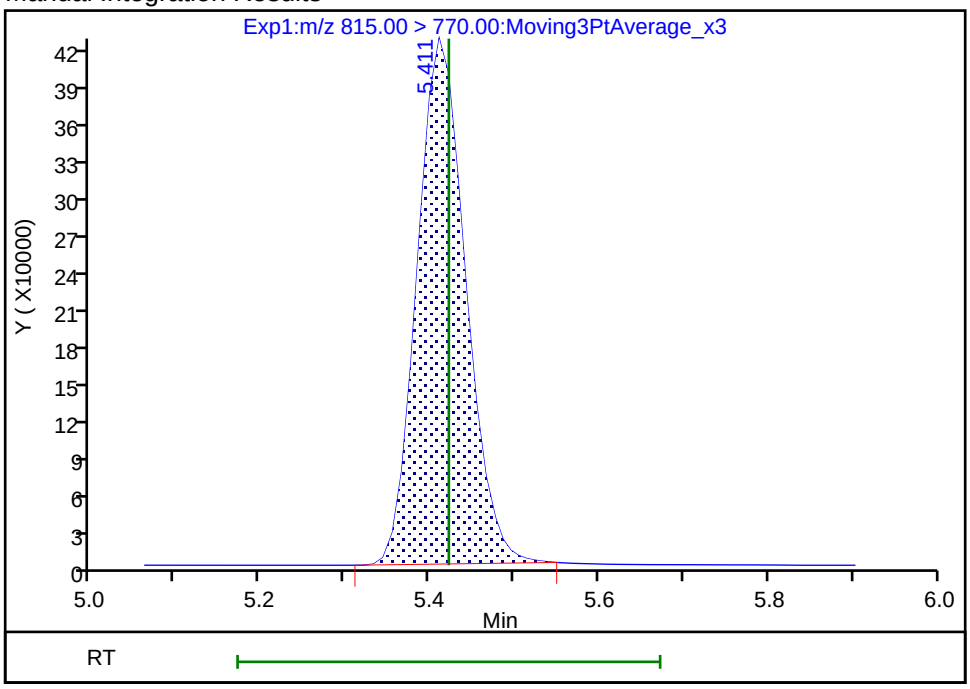
Processing Integration Results

RT: 5.41
Area: 1689686
Amount: 1.305289
Amount Units: ng/ml



Manual Integration Results

RT: 5.41
Area: 1672015
Amount: 1.291638
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:10:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

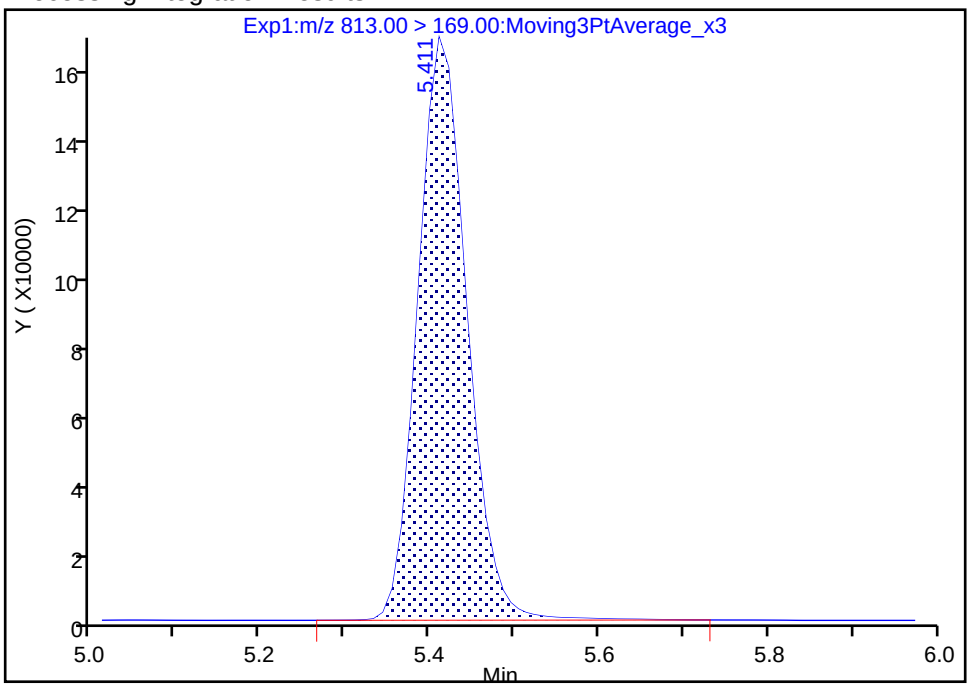
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

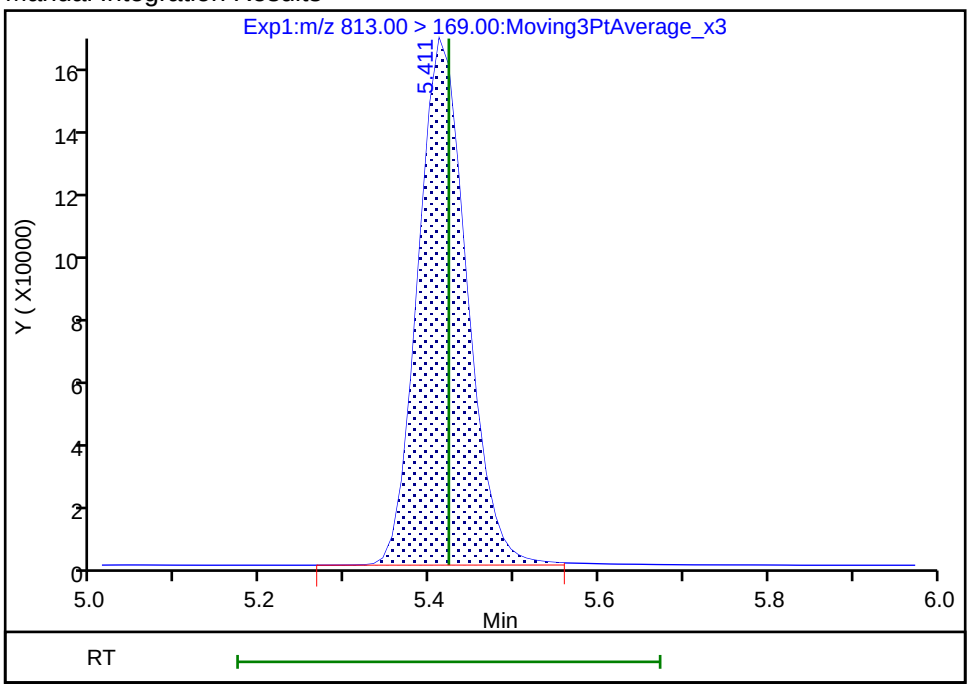
Processing Integration Results

RT: 5.41
Area: 670250
Amount: 2.379246
Amount Units: ng/ml



Manual Integration Results

RT: 5.41
Area: 667776
Amount: 2.381470
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:38:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

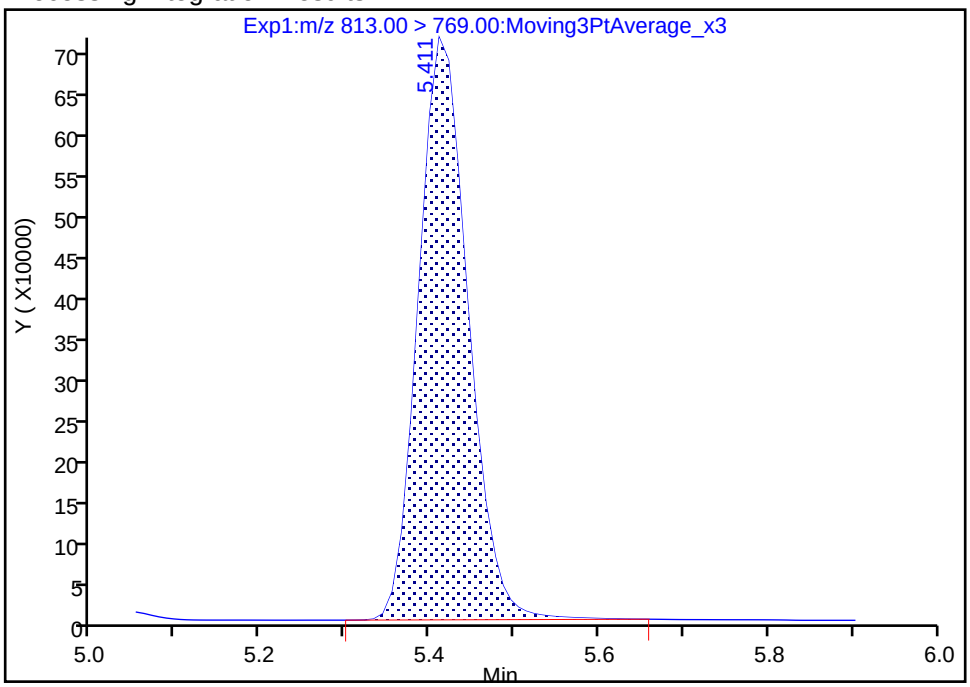
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

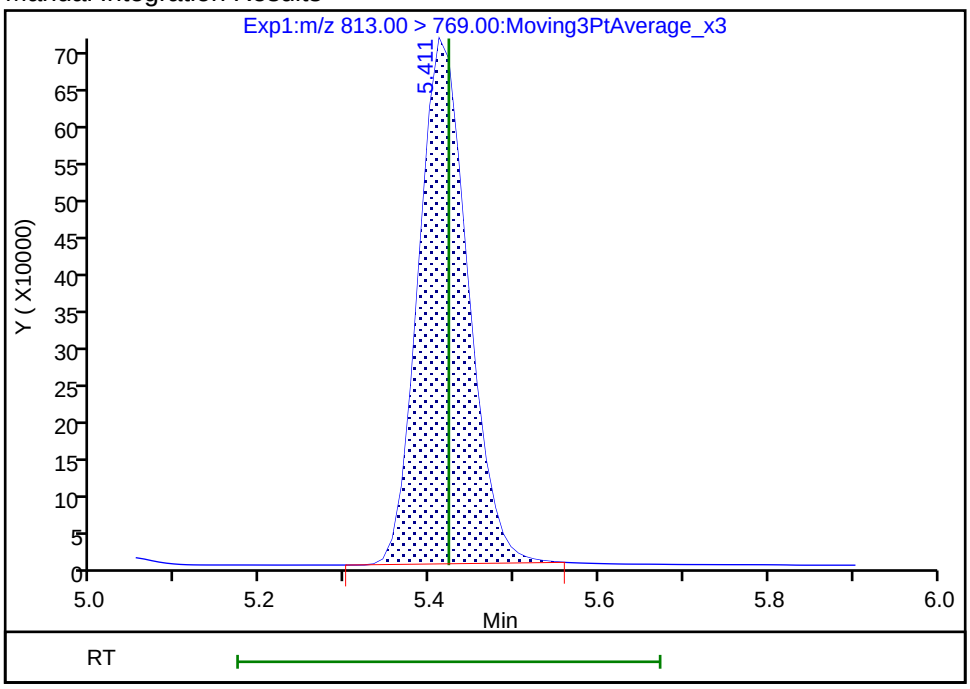
Processing Integration Results

RT: 5.41
Area: 2900275
Amount: 2.379246
Amount Units: ng/ml



Manual Integration Results

RT: 5.41
Area: 2872603
Amount: 2.381470
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:10:25
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

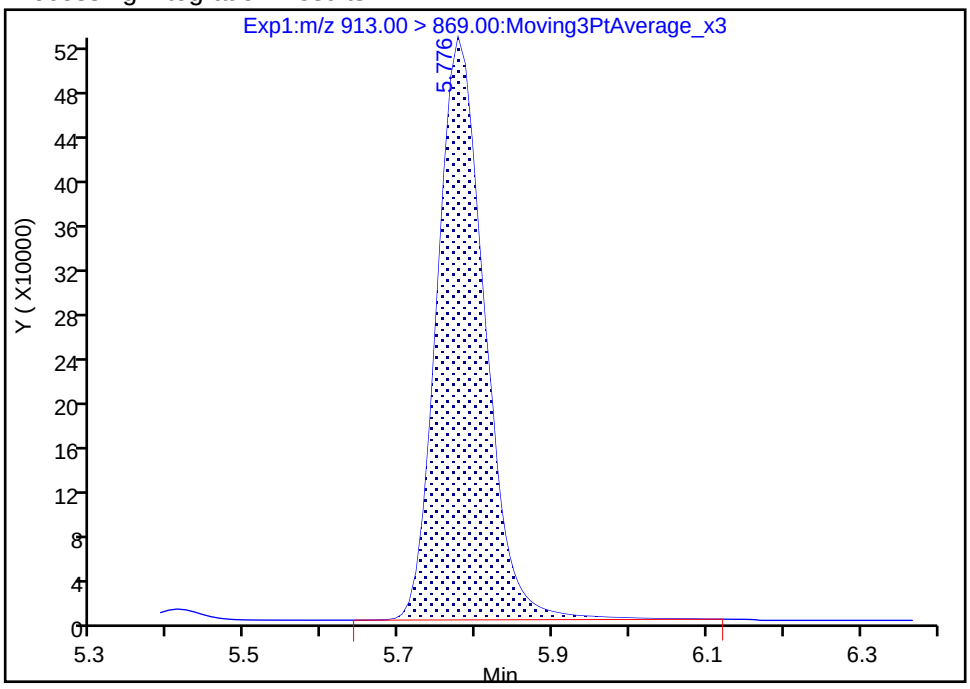
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d
Injection Date: 04-Aug-2022 15:39:24 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

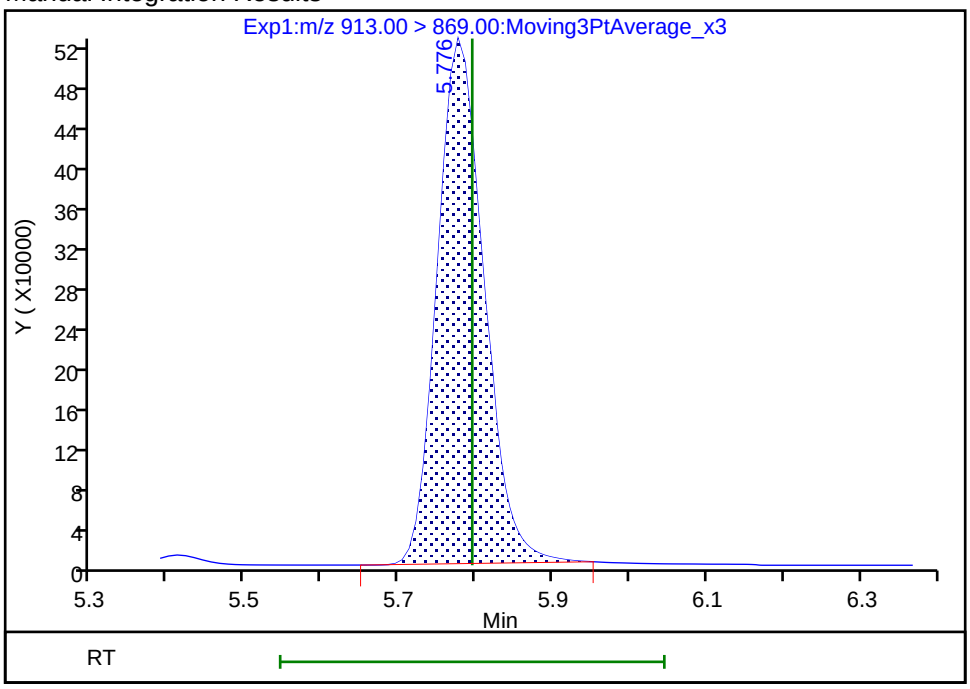
Processing Integration Results

RT: 5.78
Area: 2249709
Amount: 2.503081
Amount Units: ng/ml



Manual Integration Results

RT: 5.78
Area: 2215756
Amount: 2.491359
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:10:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

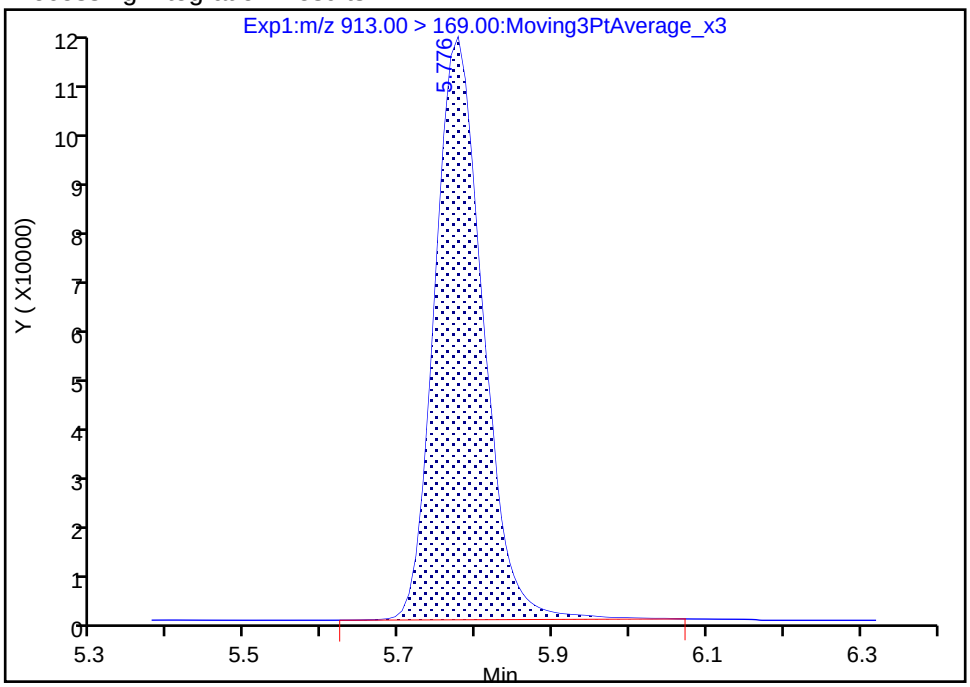
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B13.d				
Injection Date:	04-Aug-2022 15:39:24	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

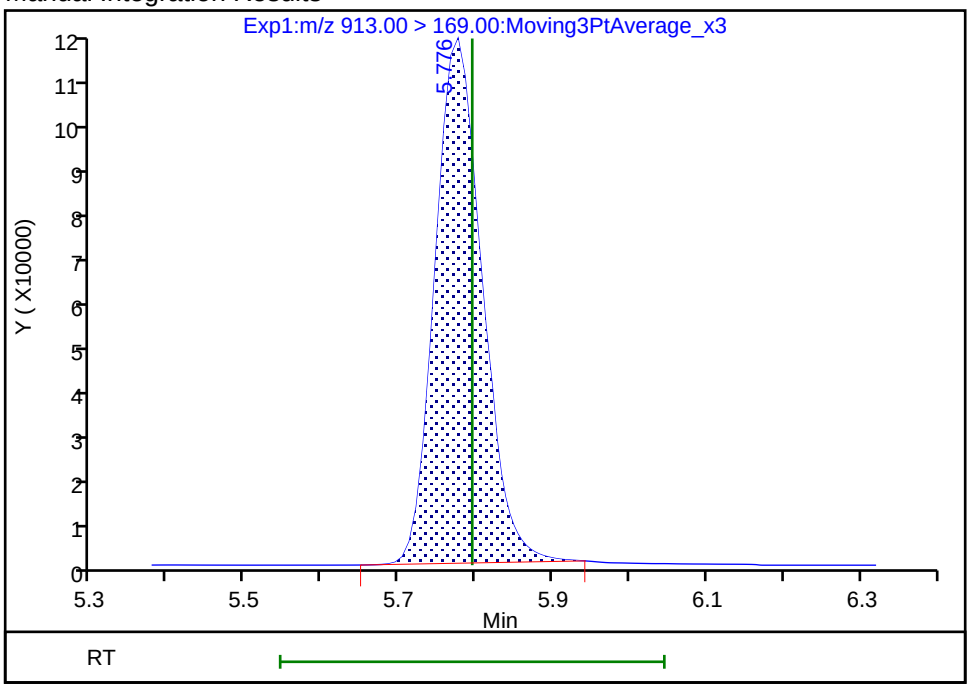
Processing Integration Results

RT: 5.78
Area: 501380
Amount: 2.503081
Amount Units: ng/ml



Manual Integration Results

RT: 5.78
Area: 492889
Amount: 2.491359
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:10:39

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Lab Sample ID: CCV 200-182375/22 Calibration Date: 08/04/2022 16:53

Instrument ID: LC812 Calib Start Date: 08/03/2022 13:00

GC Column: C-18 ID: 4.60(mm) Calib End Date: 08/03/2022 13:41

Lab File ID: PA220804B22.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	0.9697	0.9460		0.976	1.00	-2.4	
Perfluoropentanoic acid (PFPeA)	AveID	1.031	1.034		1.00	1.00	0.3	
Perfluorobutanesulfonic acid (PFBS)	AveID	1.104	1.063		0.852	0.884	-3.7	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	2.377	2.429		0.955	0.934	2.2	
Perfluorohexanoic acid (PFHxA)	AveID	1.043	1.053		1.01	1.00	0.9	
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.297	1.224		0.885	0.938	-5.6	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.075	1.113		1.04	1.00	3.6	
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.103	1.057		0.872	0.910	-4.1	
Perfluoroheptanoic acid (PFHpA)	AveID	1.031	1.026		0.996	1.00	-0.4	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	4.119	4.242		0.970	0.942	3.0	
6:2 FTS	L1ID		1.505		0.963	0.948	1.5	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.236	1.258		0.969	0.952	1.8	
Perfluorooctanoic acid (PFOA)	AveID	1.121	1.103		0.984	1.00	-1.6	
Perfluorooctanesulfonic acid (PFOS)	L1ID		1.023		0.935	0.928	0.8	30.0
Perfluorononanoic acid (PFNA)	AveID	1.017	0.9539		0.937	1.00	-6.3	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	AveID	1.766	1.835		0.968	0.932	3.9	
Perfluorononanesulfonic acid (PFNS)	AveID	0.7830	0.7933		0.973	0.960	1.3	
Perfluorodecanoic acid (PFDA)	AveID	1.052	0.9770		0.929	1.00	-7.1	
8:2 FTS	AveID	0.9657	0.9314		0.924	0.958	-3.5	
Perfluorooctanesulfonamide (FOSA)	AveID	1.019	1.027		1.01	1.00	0.8	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.8881	0.8890		1.00	1.00	0.1	
Perfluorodecanesulfonic acid (PFDS)	AveID	0.5827	0.5756		0.952	0.964	-1.2	
Perfluoroundecanoic acid (PFUnA)	AveID	1.059	1.062		1.00	1.00	0.2	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.9079	0.9268		1.02	1.00	2.1	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	AveID	2.299	2.262		0.927	0.942	-1.6	
Perfluorododecanoic acid (PFDoA)	AveID	1.014	0.9904		0.977	1.00	-2.3	
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	AveID	0.4511	0.4390		0.938	0.964	-2.7	
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.2587	0.2448		0.916	0.968	-5.4	

FORM VII 537 (modified)

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Lab Sample ID: CCV 200-182375/22 Calibration Date: 08/04/2022 16:53

Instrument ID: LC812 Calib Start Date: 08/03/2022 13:00

GC Column: C-18 ID: 4.60(mm) Calib End Date: 08/03/2022 13:41

Lab File ID: PA220804B22.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorotridecanoic acid (PFTriA)	AveID	0.8791	0.9341		1.06	1.00	6.3	
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1602	0.1586		0.990	1.00	-1.0	
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		0.9338		1.02	1.00	2.4	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.6649	0.7077		1.06	1.00	6.4	
13C4 PFBA	Ave	1.167	1.096		1.17	1.25	-6.1	
13C5 PFPeA	Ave	0.8976	0.8572		1.19	1.25	-4.5	
13C3 PFBS	Ave	1.039	0.9343		1.05	1.16	-10.0	
M2-4:2 FTS	Ave	0.0894	0.0798		1.04	1.17	-10.7	
13C2 PFHxA	Ave	0.8962	0.8822		1.23	1.25	-1.6	
13C3 HFPO-DA	Ave	0.1687	0.1541		1.14	1.25	-8.6	
18O2 PFHxS	Ave	0.7305	0.6976		1.13	1.18	-4.5	50.0
13C4 PFHpA	Ave	0.9296	0.8792		1.18	1.25	-5.4	50.0
M2-6:2 FTS	Ave	0.1223	0.1143		1.11	1.19	-6.6	
13C4 PFOA	Ave	0.9525	0.9348		1.23	1.25	-1.9	50.0
13C4 PFOS	Ave	0.5455	0.4944		1.08	1.20	-9.4	50.0
13C5 PFNA	Ave	0.9889	0.9759		1.23	1.25	-1.3	50.0
13C2 PFDA	Ave	0.9624	0.9640		1.25	1.25	0.2	
M2-8:2 FTS	Ave	0.1471	0.1483		1.21	1.20	0.8	
13C8 FOSA	Ave	0.8423	0.7631		1.13	1.25	-9.4	
d3-NMeFOSAA	Ave	0.1290	0.1007		0.976	1.25	-22.0	
13C2 PFUnA	Ave	0.7292	0.7110		1.22	1.25	-2.5	
d5-NEtFOSAA	Ave	0.1221	0.0965		0.988	1.25	-21.0	
13C2 PFDoA	Ave	0.7556	0.7534		1.25	1.25	-0.3	
13C2 PFTeDA	Ave	0.6177	0.6665		1.35	1.25	7.9	
13C2 PFHxDA	Ave	0.7037	0.6707		1.19	1.25	-4.7	

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Lims ID: CCV L4
Client ID:
Sample Type: CCV
Inject. Date: 04-Aug-2022 16:53:05 ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: CCV L4
Misc. Info.: 200-0051959-022 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812
Sublist: chrom-PFC_LC812*sub3

Method: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 05-Aug-2022 12:55:17 Calib Date: 03-Aug-2022 13:41:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1640

First Level Reviewer: nampitakw Date: 05-Aug-2022 10:44:34
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										M
217.00 > 172.00	2.085	2.076	0.009	0.600	2062918	1.17		93.9	8988	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.085	0.0	1.000	1561260	0.9756		97.6	157	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.400	0.0	0.691	1613146	1.19		95.5	3479	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.400	2.400	0.0	1.000	1335032	1.00		100	52.8	
D 47 13C3 PFBS										M
301.90 > 80.00	2.413	2.413	0.0	0.695	1635234	1.05		90.0	250695	M
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.413	2.413	0.0	1.000	1322265	0.8516	Target=2.23	96.3	1213	
298.90 > 99.00	2.413	2.413	0.0	1.000	606673		2.18(1.11-3.34)		401	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.713	2.713	0.0	0.781	140312	1.04		89.3	139	M
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.713	2.713	0.0	1.000	272691	0.9546		102	2093	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.750	2.750	0.0	1.000	1398276	1.01	Target=12.24	101	292	M
313.00 > 119.00	2.750	2.750	0.0	1.000	103520		13.51(6.12-18.36)		149	
D 7 13C2 PFHxA										
315.00 > 270.00	2.750	2.750	0.0	0.792	1660220	1.23		98.4	2918	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.750	2.750	0.0	0.884	1205614	0.8853	Target=2.95	94.4	870	M
349.00 > 99.00	2.750	2.750	0.0	0.884	404088		2.98(1.48-4.43)		681	M
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.859	2.859	0.0	0.823	290055	1.14		91.4	1778	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.859	2.859	0.0	1.000	258323	1.04		104	3205	M
D 11 18O2 PFHxS										M
403.00 > 84.00	3.110	3.110	0.0	0.895	1242007	1.13		95.5	1654	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.110	3.110	0.0	1.000	1010679	0.8724	Target=3.43	95.9	1003	M
399.00 > 99.00	3.110	3.110	0.0	1.000	302864		3.34(1.72-5.15)		332	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.121	3.121	0.0	0.898	1654509	1.18		94.6	3012	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.121	3.121	0.0	1.000	1358363	1.00	Target=3.73	99.6	400	
363.00 > 169.00	3.121	3.121	0.0	1.000	363271		3.74(1.86-5.59)		589	M
77 DONA										M
377.00 > 251.00	3.154	3.154	0.0	0.832	2974578	0.9702	Target=2.84	103	1894	M
377.00 > 85.00	3.154	3.154	0.0	0.832	1069605		2.78(1.42-4.26)		1014	
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.465	3.465	0.0	0.997	204263	1.11		93.4	416	M
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.465	3.465	0.0	1.000	245489	0.9626		102	361	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.465	3.465	0.0	0.914	891408	0.9688	Target=4.89	102	1327	M
449.00 > 99.00	3.465	3.465	0.0	0.914	183138		4.87(2.44-7.33)		557	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.474	3.474	0.0	1.000	1552933	0.9840	Target=2.67	98.4	176	M
413.00 > 169.00	3.474	3.474	0.0	1.000	567104		2.74(1.34-4.01)		670	M
D 14 13C4 PFOA										
417.00 > 372.00	3.474	3.474	0.0	1.000	1759204	1.23		98.1	3320	
* 62 13C2 PFOA										
415.00 > 370.00	3.474	3.474	0.0		1881928	1.25			3055	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.802	3.792	0.010	1.003	706457	0.9354	Target=4.88	101	413	M
499.00 > 99.00	3.792	3.792	0.0	1.000	154147		4.58(2.44-7.32)		455	M
D 18 13C4 PFOS										
503.00 > 80.00	3.792	3.792	0.0	1.092	889573	1.08		90.6	2057	
20 Perfluorononanoic acid										
463.00 > 419.00	3.822	3.812	0.010	1.003	1401436	0.9375	Target=8.23	93.7	446	
463.00 > 169.00	3.822	3.812	0.010	1.003	188995		7.42(4.11-12.34)		1286	
D 19 13C5 PFNA										M
468.00 > 423.00	3.812	3.812	0.0	1.097	1836527	1.23		98.7	4314	M
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.960	3.960	0.0	1.044	1272897	0.9680		104	4007	
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.093	4.093	0.0	1.079	566942	0.9727	Target=2.53	101	1402	M
549.00 > 99.00	4.093	4.093	0.0	1.079	223146		2.54(1.26-3.79)		818	
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.127	4.116	0.011	1.000	1417910	0.9289	Target=9.67	92.9	794	M
513.00 > 169.00	4.127	4.116	0.011	1.000	159947		8.86(4.83-14.50)		733	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 23 13C2 PFDA										M
515.00 > 470.00	4.127	4.116	0.011	1.188	1814177	1.25		100	3509	M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.138	4.127	0.011	1.000	199236	0.9240		96.5	786	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.138	4.127	0.011	1.191	267391	1.21		101	1012	
D 21 13C8 FOSA										M
506.00 > 78.00	4.161	4.161	0.0	1.198	1436115	1.13		90.6	1469	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.161	4.161	0.0	1.000	1179901	1.01		101	1648	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.273	4.261	0.012	1.000	134756	1.00		100	350	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.273	4.261	0.012	1.230	189473	0.9756		78.0	572	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.376	4.365	0.011	1.154	413033	0.9523	Target=2.80	98.8	2034	
599.00 > 99.00	4.376	4.365	0.011	1.154	164284		2.51(1.40-4.20)		1071	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.398	4.387	0.011	1.266	1338144	1.22		97.5	1238	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.398	4.387	0.011	1.000	1136633	1.00	Target=9.07	100	905	
563.00 > 169.00	4.398	4.387	0.011	1.000	128868		8.82(4.54-13.61)		901	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.421	4.399	0.022	1.002	134662	1.02		102	549	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.410	4.399	0.011	1.270	181629	0.9881		79.0	833	
66 11-Chloroeicosafluoro-3-oxaundec										M
631.00 > 451.00	4.504	4.491	0.013	1.188	1586419	0.9269		98.4	1792	M
D 36 13C2 PFDoA										
615.00 > 570.00	4.643	4.633	0.010	1.337	1417907	1.25		99.7	2583	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.643	4.633	0.010	1.000	1123428	0.9766	Target=6.97	97.7	174	M
613.00 > 169.00	4.643	4.633	0.010	1.000	170616		6.58(3.48-10.45)		1202	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.663	4.654	0.009	1.127	94494	0.9381		97.3	489	M
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.824	4.813	0.011	1.272	176431	0.9162	Target=0.52	94.6	1557	
699.00 > 99.00	4.824	4.813	0.011	1.272	344639		0.51(0.26-0.79)		1089	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.870	4.859	0.011	1.049	1059600	1.06	Target=4.56	106	186	
663.00 > 169.00	4.870	4.859	0.011	1.049	225279		4.70(2.28-6.84)		1287	
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.070	5.052	0.018	1.460	1254366	1.35		108	1775	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.070	5.052	0.018	1.000	159133	0.9898	Target=0.94	99.0	994	M
713.00 > 219.00	5.070	5.052	0.018	1.000	165988		0.96(0.47-1.41)		1628	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	5.455	5.422	0.033	1.000	942854	1.02	Target=4.38	102	229	
813.00 > 169.00	5.455	5.422	0.033	1.000	218235		4.32(2.19-6.57)		1380	M
D 44 13C2 PFHxDA										M
815.00 > 770.00	5.455	5.422	0.033	1.570	1262122	1.19		95.3	1539	M
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.843	5.795	0.048	1.071	714583	1.06	Target=4.31	106	186	M
913.00 > 169.00	5.838	5.795	0.043	1.070	168160		4.25(2.16-6.47)		767	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

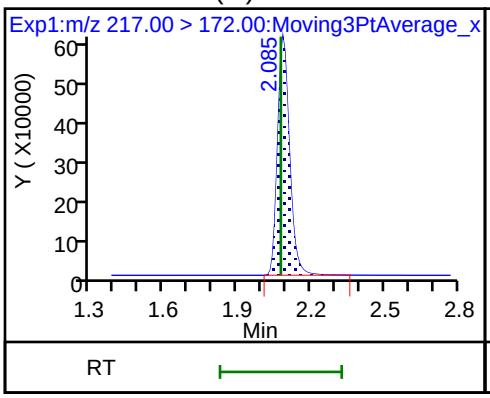
PFAS32NCIC4_00033 Amount Added: 100.00 Units: uL

Report Date: 05-Aug-2022 12:55:17 Chrom Revision: 2.3 04-Aug-2022 18:02:28

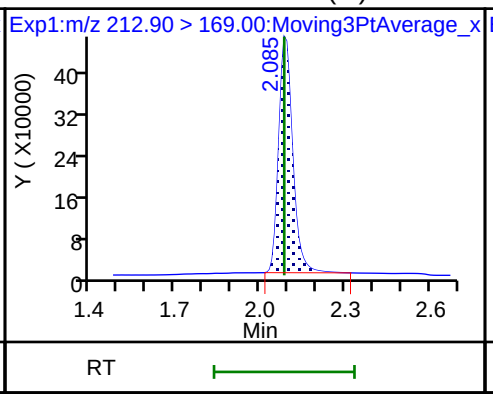
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL

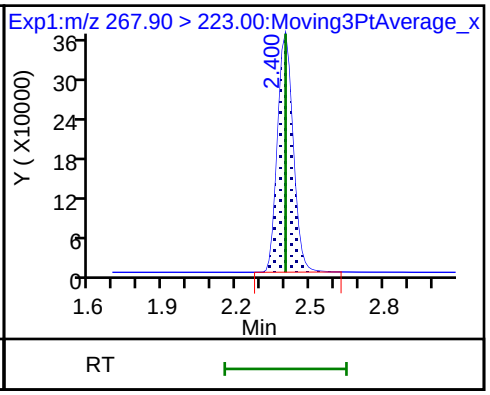
D 1 13C4 PFBA (M)



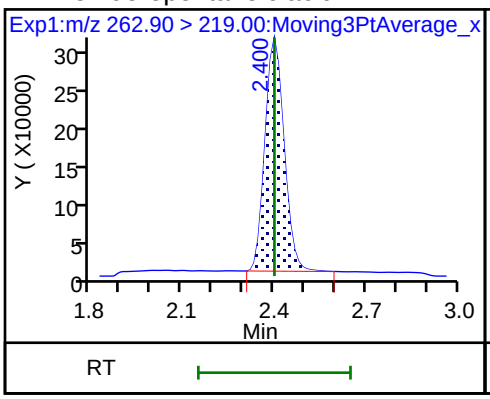
2 Perfluorobutanoic acid (M)



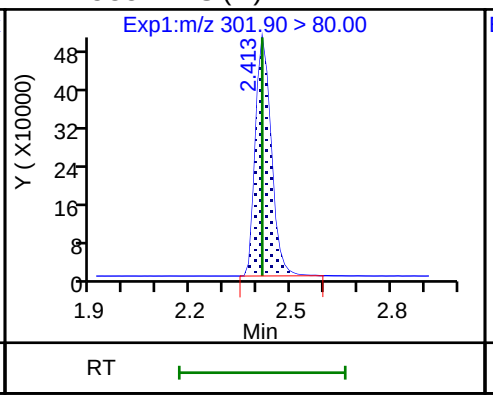
D 3 13C5 PFPeA



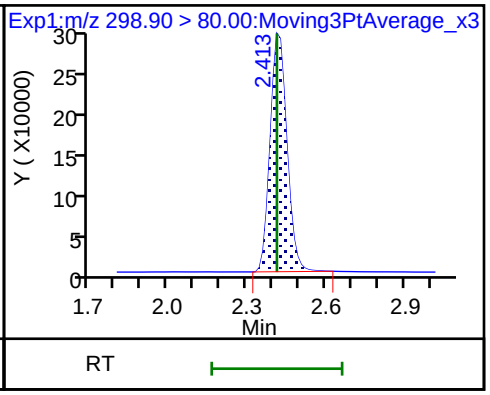
4 Perfluoropentanoic acid



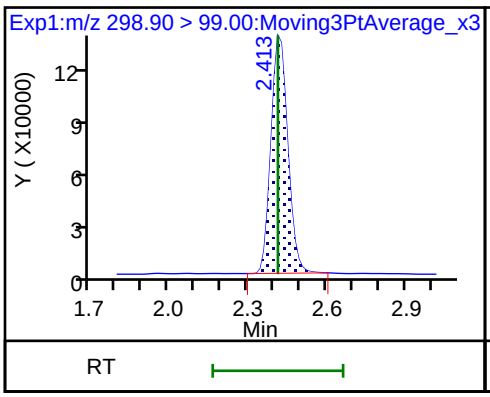
D 47 13C3 PFBS (M)



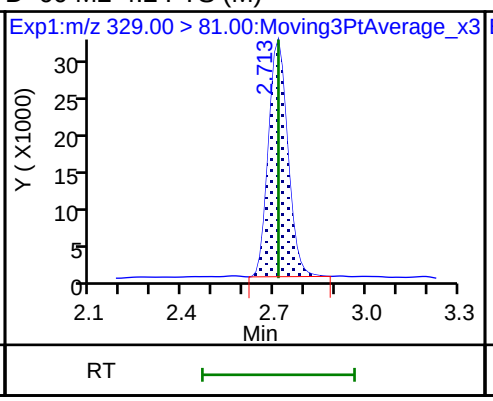
5 Perfluorobutanesulfonic acid



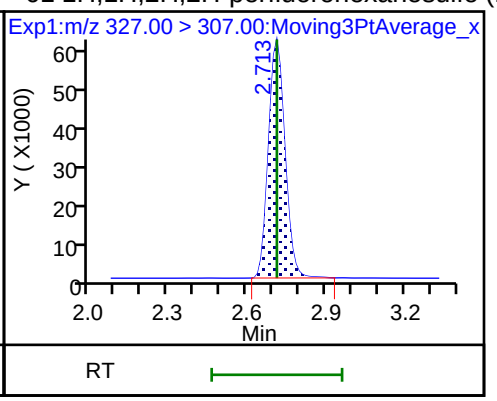
5 Perfluorobutanesulfonic acid



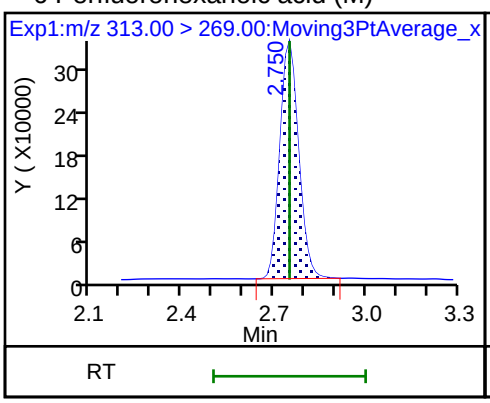
D 60 M2-4:2 FTS (M)



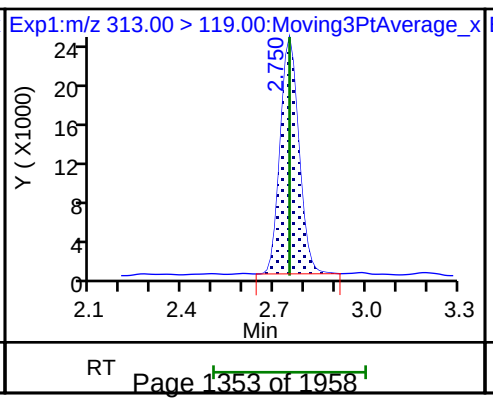
61 1H,1H,2H,2H-perfluorohexanesulfo (M)



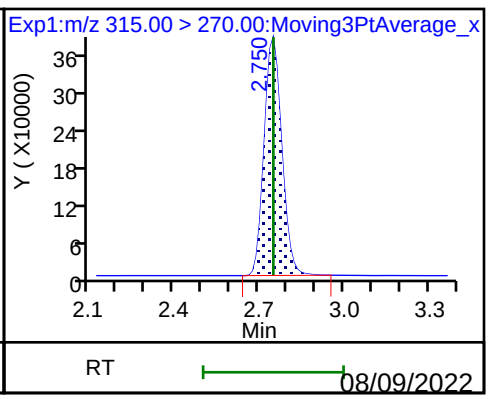
6 Perfluorohexanoic acid (M)



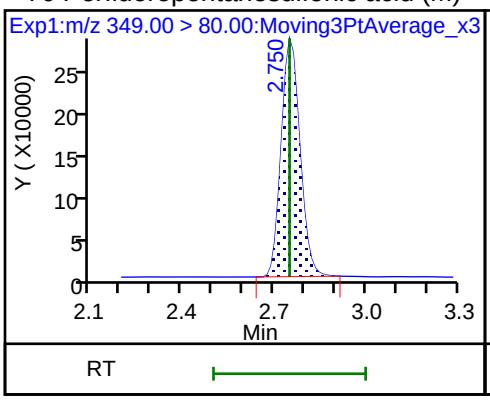
6 Perfluorohexanoic acid



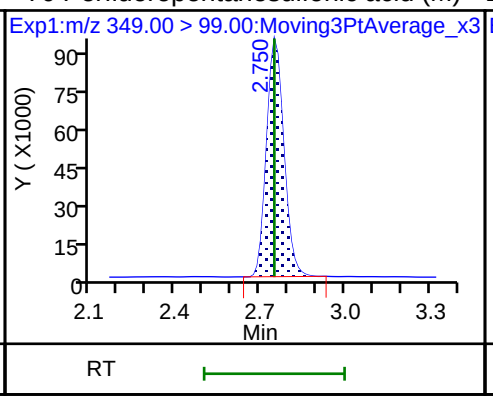
D 7 13C2 PFHxA

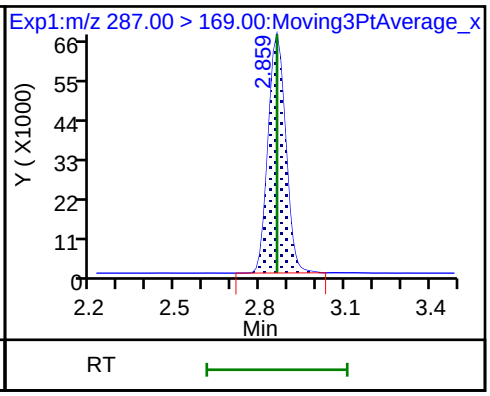


70 Perfluoropentanesulfonic acid (M)

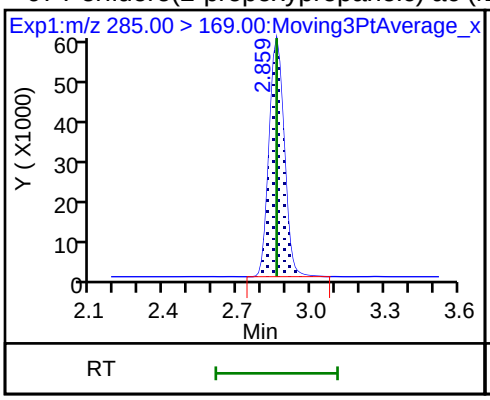


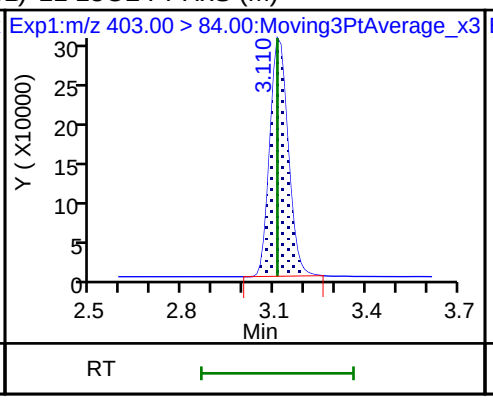
70 Perfluoropentanesulfonic acid (M) D 64 13C3 HFPO-DA



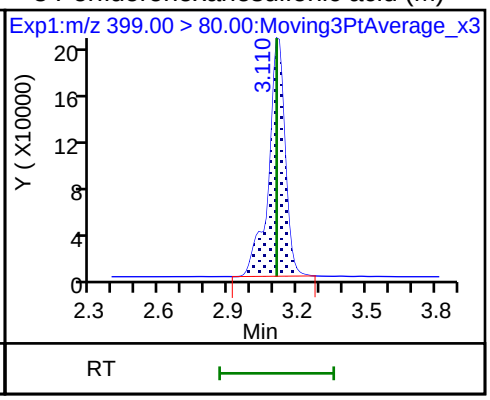


67 Perfluoro(2-propoxypropanoic) ac (M) D 11 18O2 PFHxS (M)

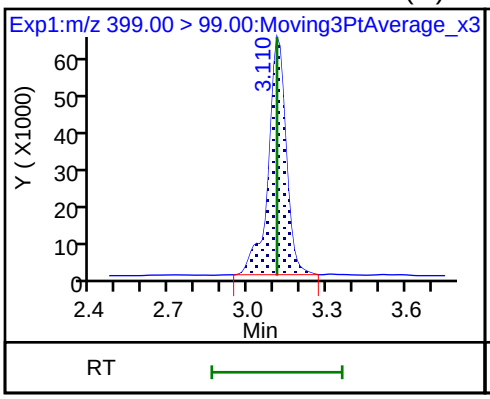


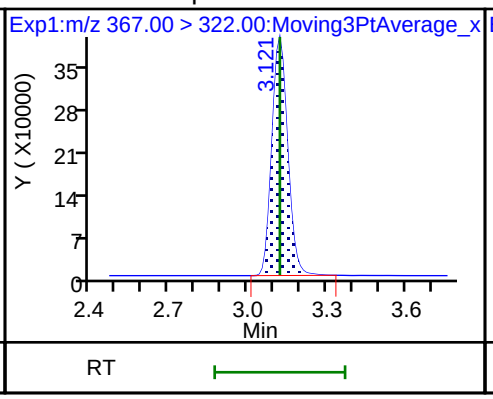


8 Perfluorohexanesulfonic acid (M)

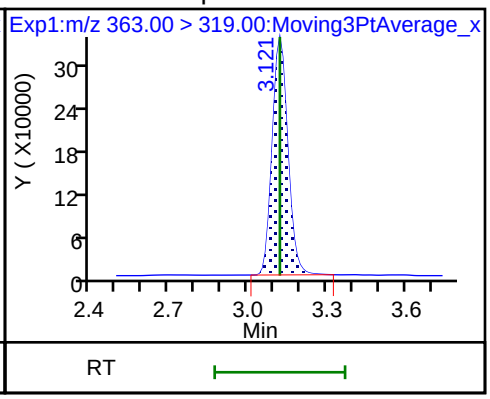


8 Perfluorohexanesulfonic acid (M) D 9 13C4 PFHpA

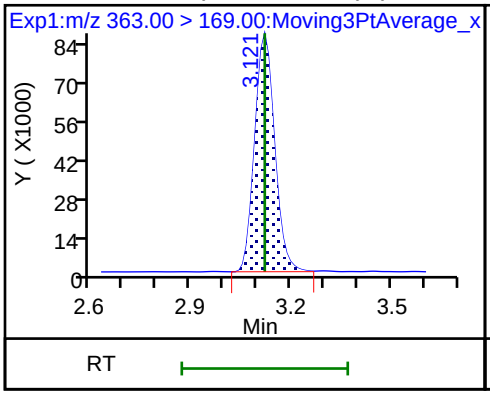


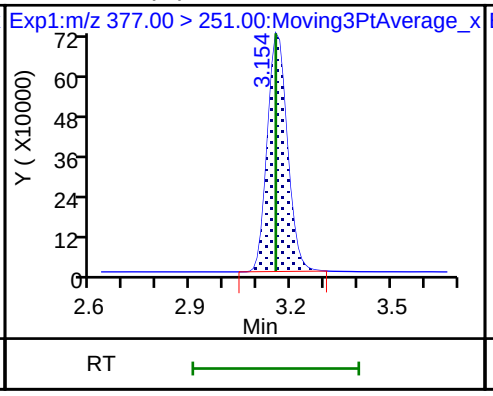


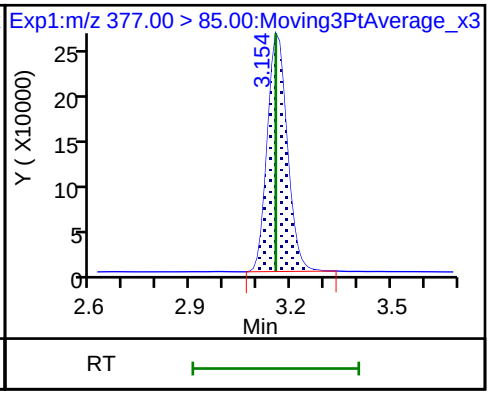
10 Perfluoroheptanoic acid



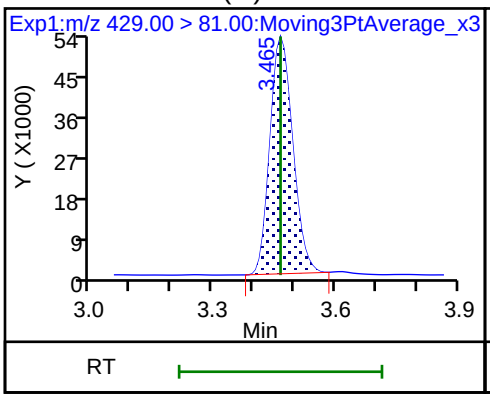
10 Perfluoroheptanoic acid (M) 77 DONA (M) 77 DONA



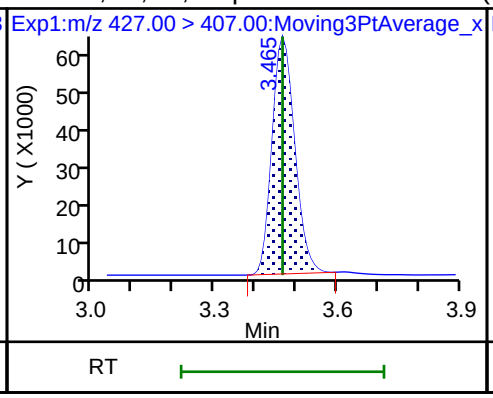




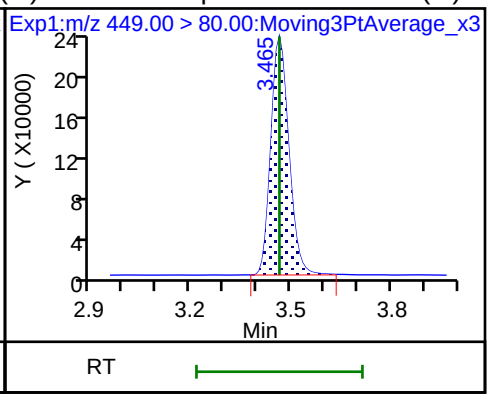
D 12 M2-6:2 FTS (M)



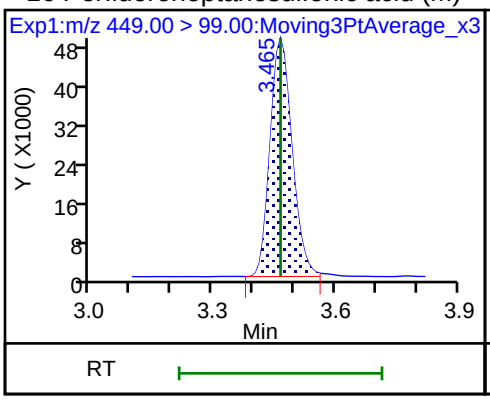
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



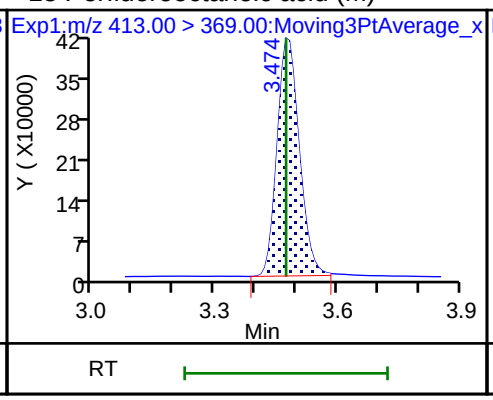
16 Perfluoroheptanesulfonic acid (M)



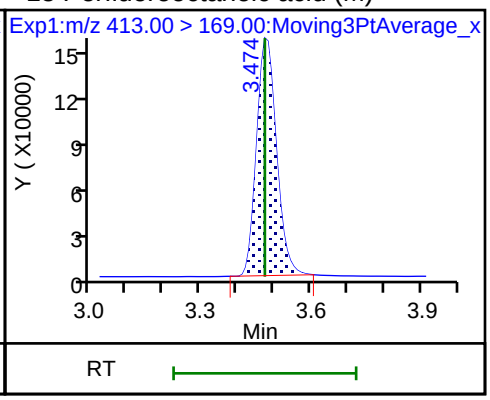
16 Perfluoroheptanesulfonic acid (M)



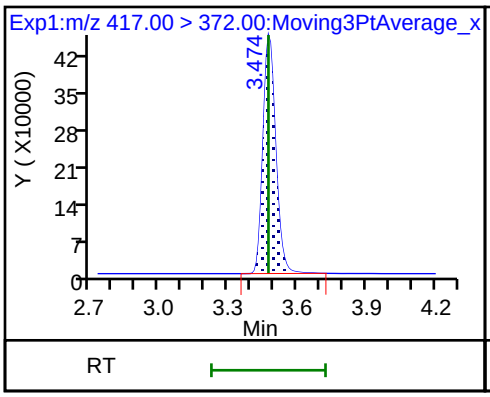
15 Perfluorooctanoic acid (M)



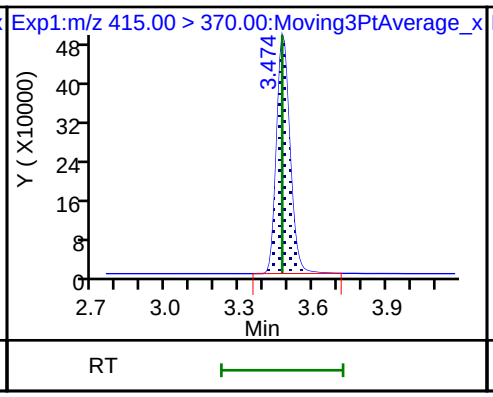
15 Perfluorooctanoic acid (M)



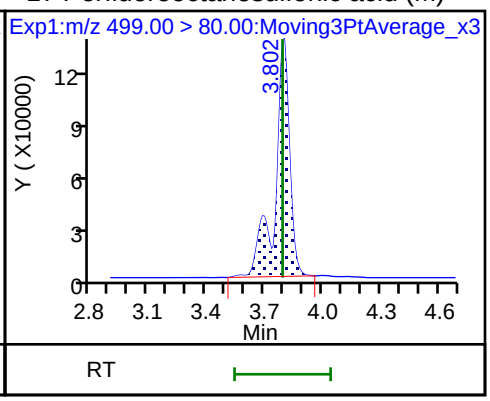
D 14 13C4 PFOA



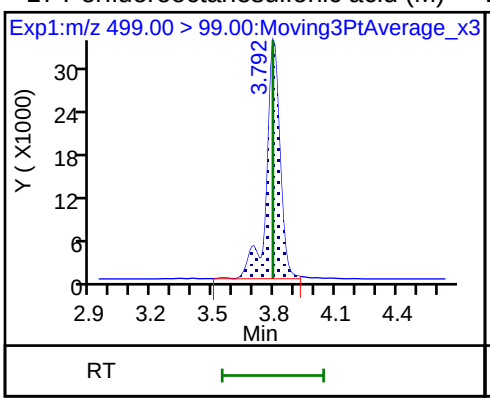
* 62 13C2 PFOA



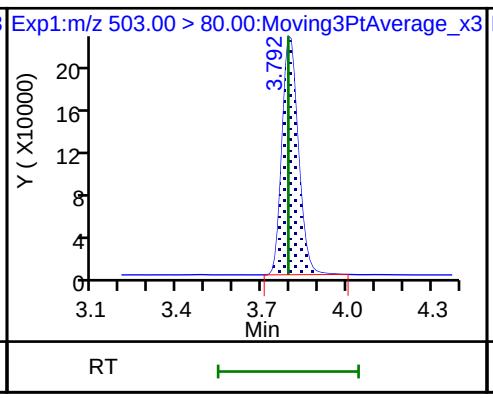
17 Perfluorooctanesulfonic acid (M)



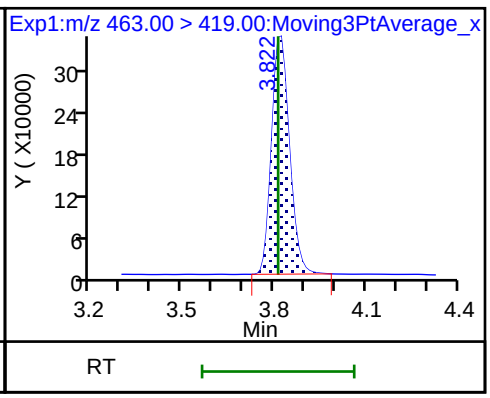
17 Perfluorooctanesulfonic acid (M)



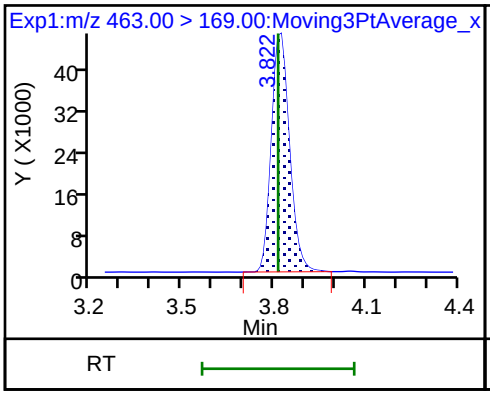
D 18 13C4 PFOS



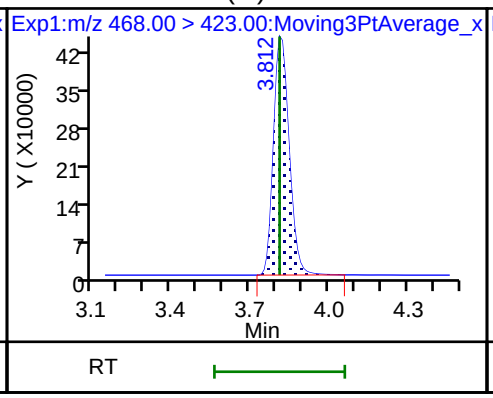
20 Perfluorononanoic acid



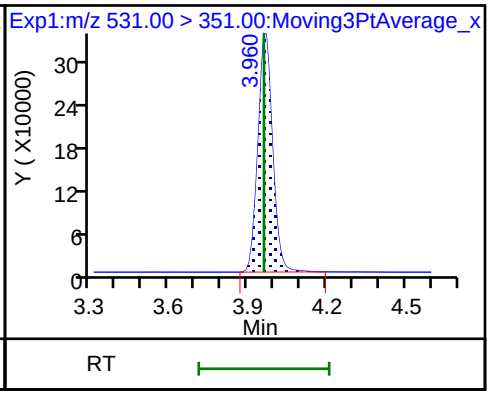
20 Perfluorononanoic acid



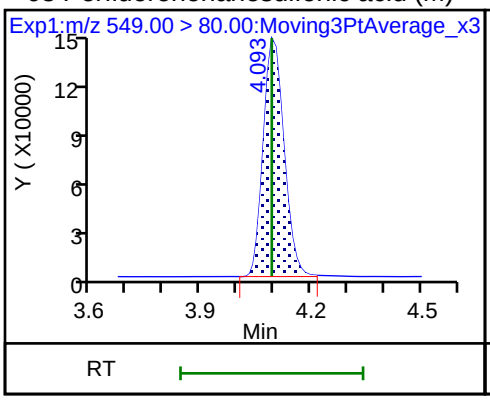
D 19 13C5 PFNA (M)



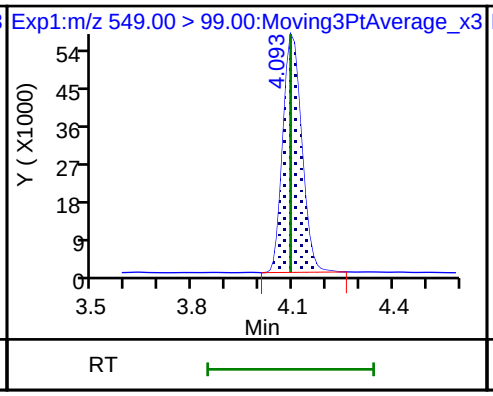
69 9-Chlorohexadecafluoro-3-oxanona



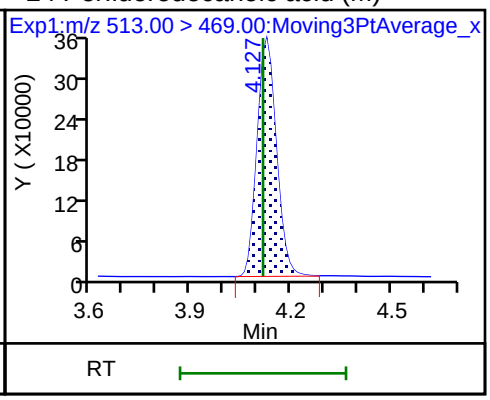
68 Perfluorononanesulfonic acid (M)



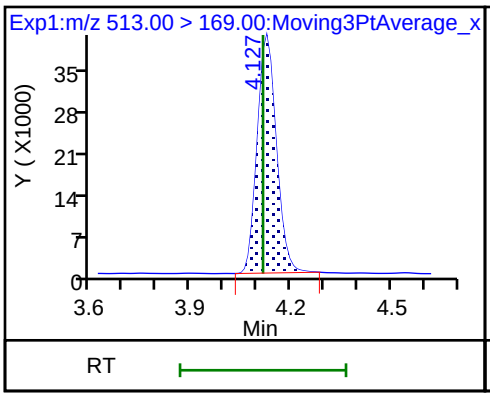
68 Perfluorononanesulfonic acid



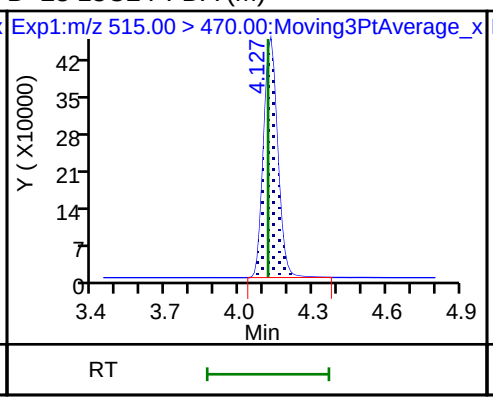
24 Perfluorodecanoic acid (M)



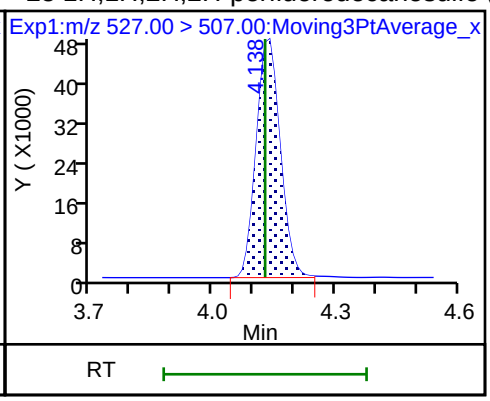
24 Perfluorodecanoic acid



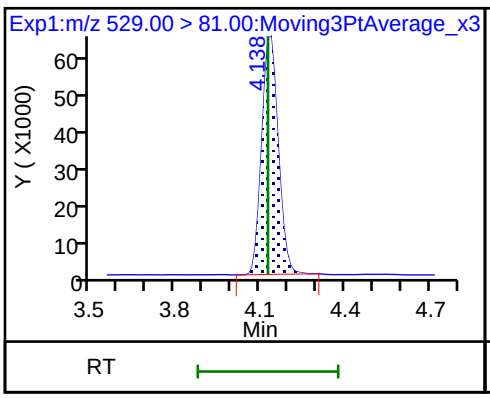
D 23 13C2 PFDA (M)



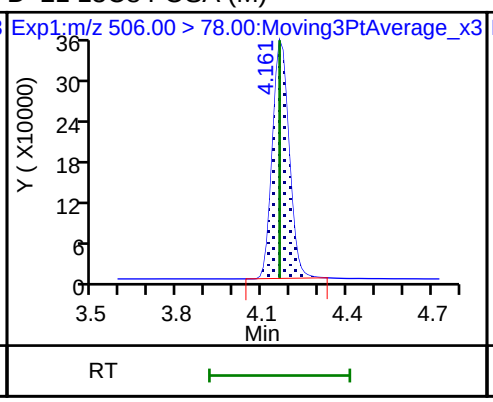
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



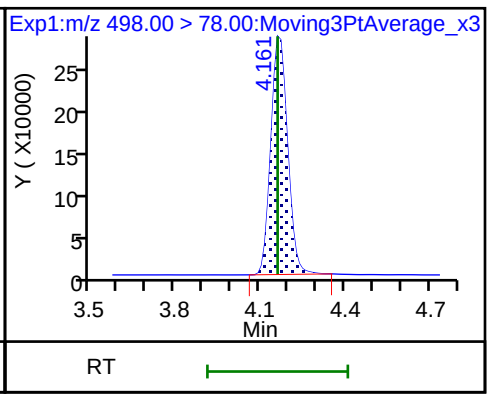
D 26 M2-8:2 FTS



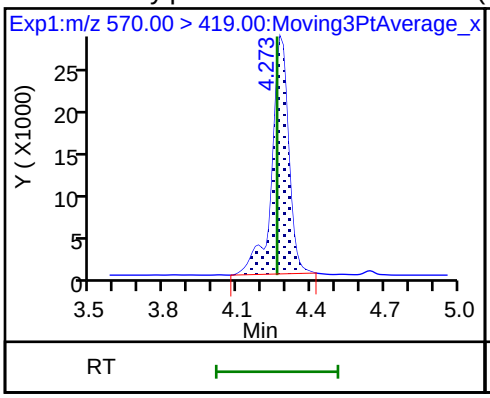
D 21 13C8 FOSA (M)



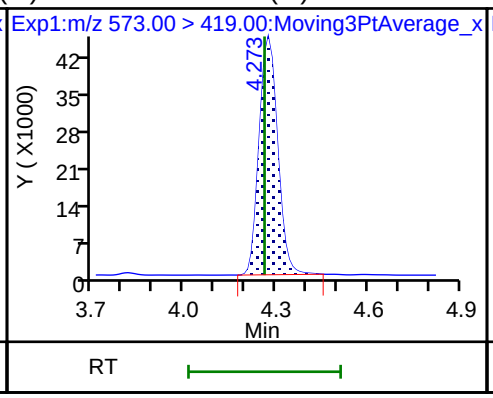
22 Perfluorooctanesulfonamide



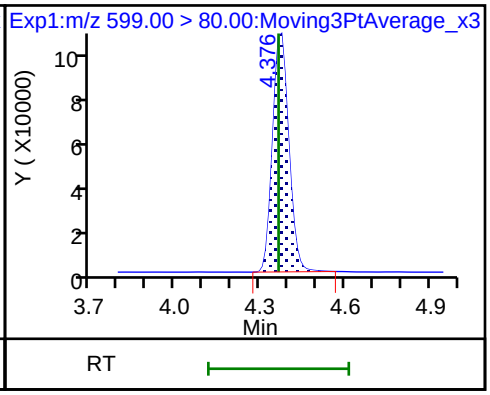
28 N-methylperfluorooctanesulfonami (M)



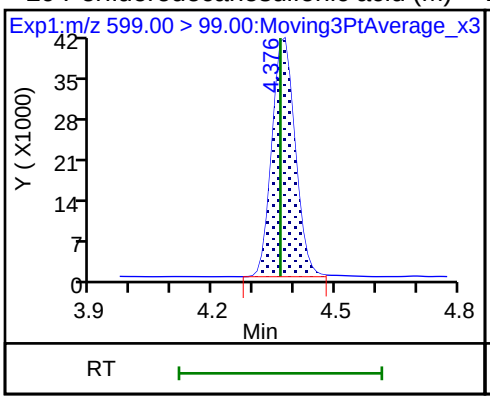
D 27 d3-NMeFOSAA (M)



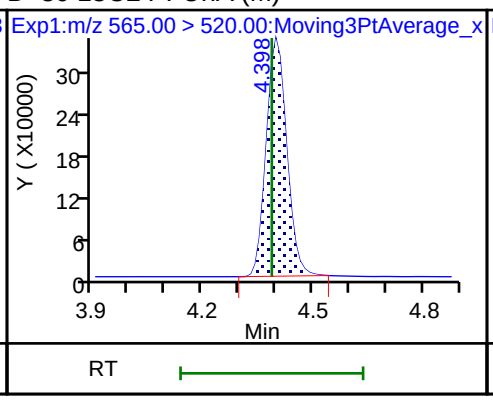
29 Perfluorodecanesulfonic acid



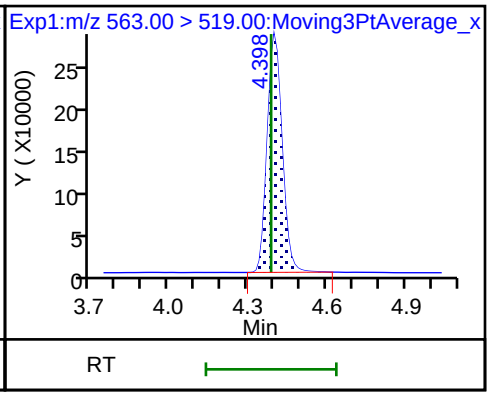
29 Perfluorodecanesulfonic acid (M)



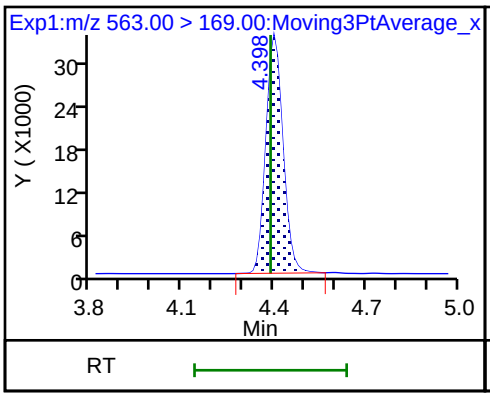
D 30 13C2 PFUnA (M)



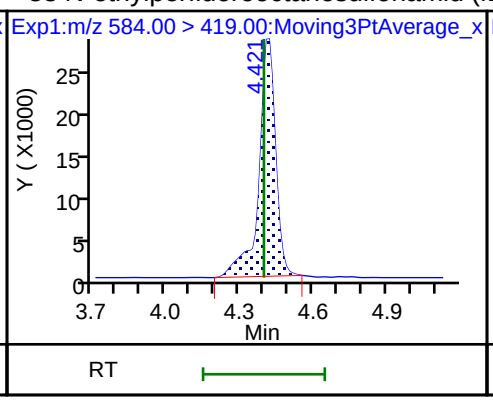
31 Perfluoroundecanoic acid



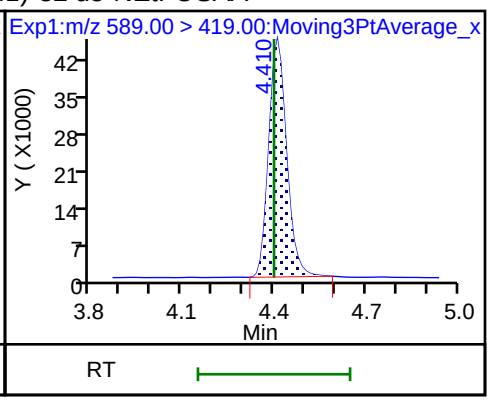
31 Perfluoroundecanoic acid



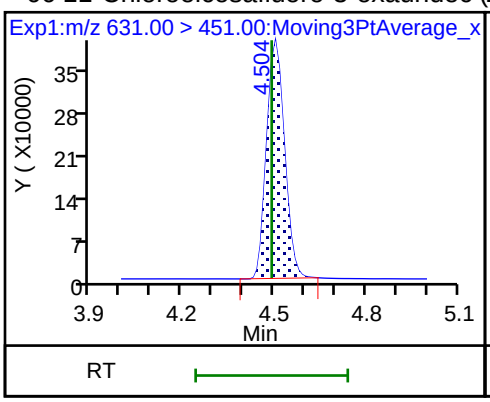
33 N-ethylperfluorooctanesulfonamid (M)



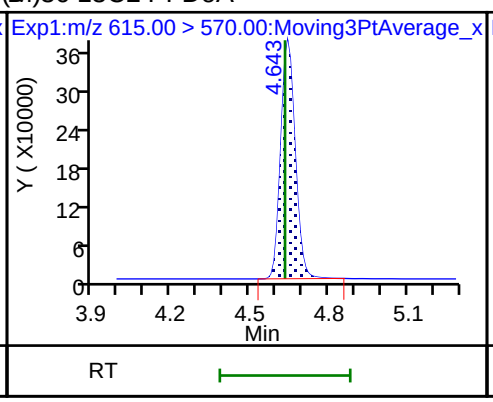
D 32 d5-NEtFOSAA



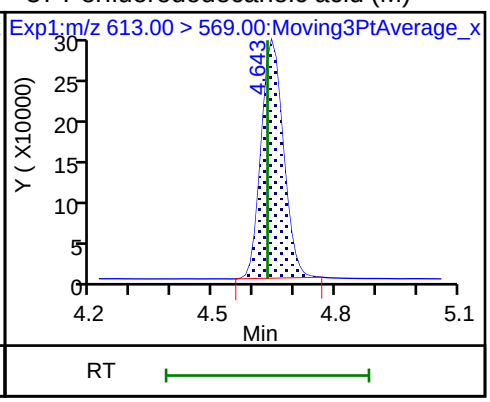
66 11-Chloroeicosafluoro-3-oxaundec (M)



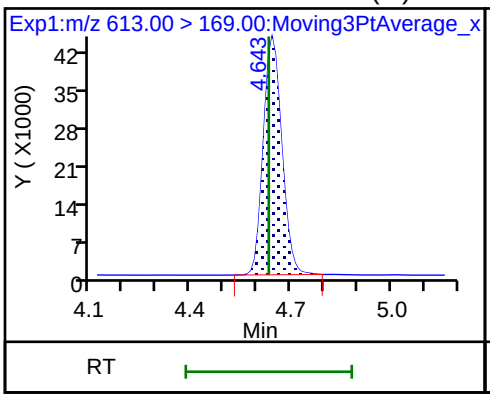
D 36 13C2 PFDoA



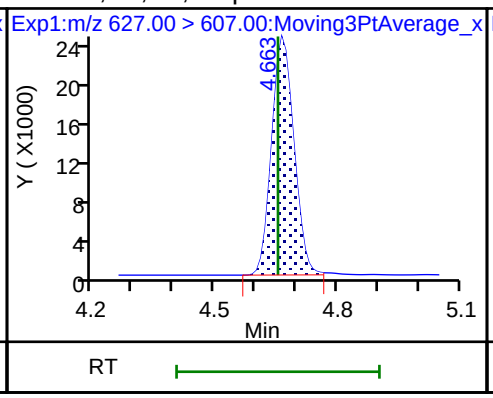
37 Perfluorododecanoic acid (M)



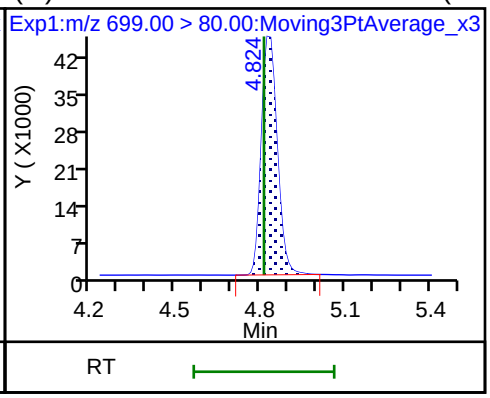
37 Perfluorododecanoic acid (M)



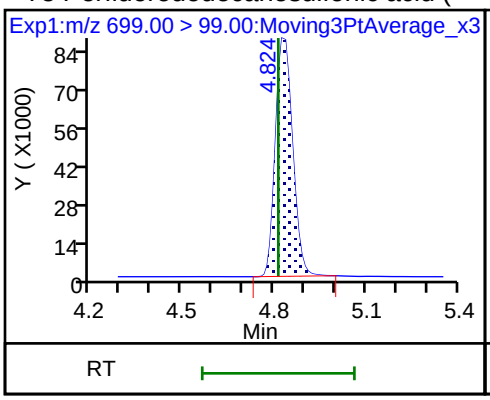
74 1H,1H,2H,2H-perfluorododecanesul (M)



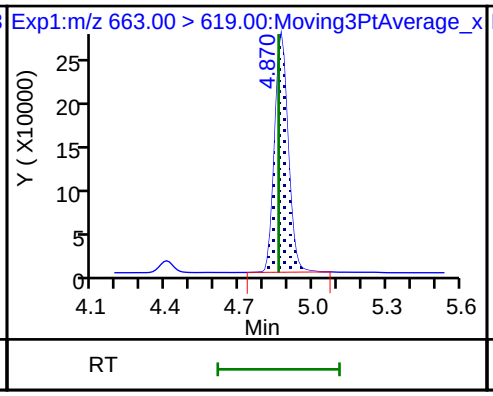
75 Perfluorododecanesulfonic acid (



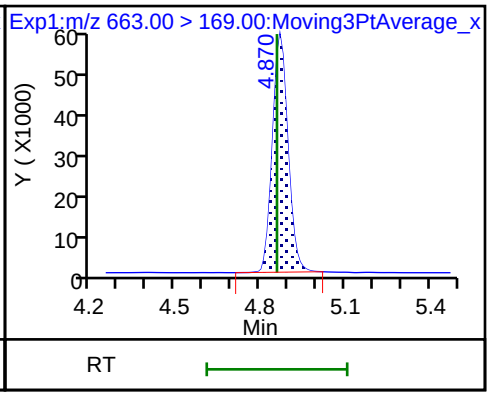
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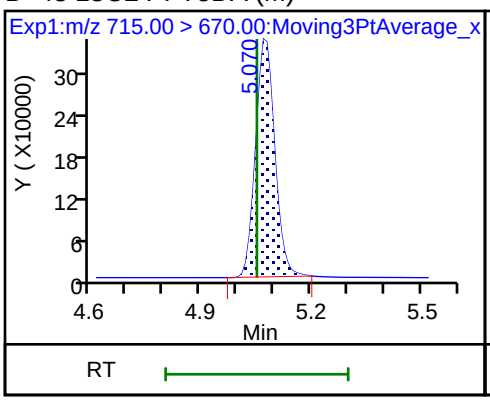
41 Perfluorotridecanoic acid



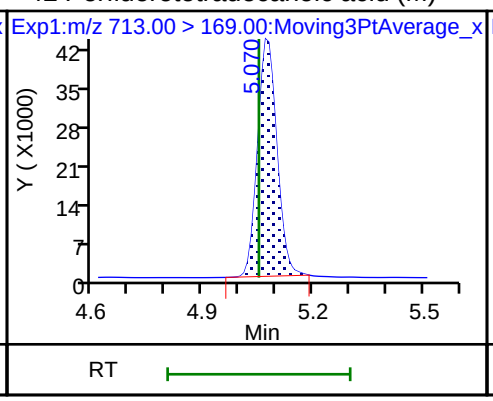
41 Perfluorotridecanoic acid



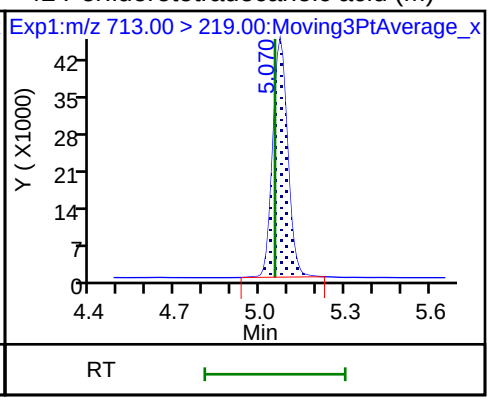
D 43 13C2 PFTeDA (M)



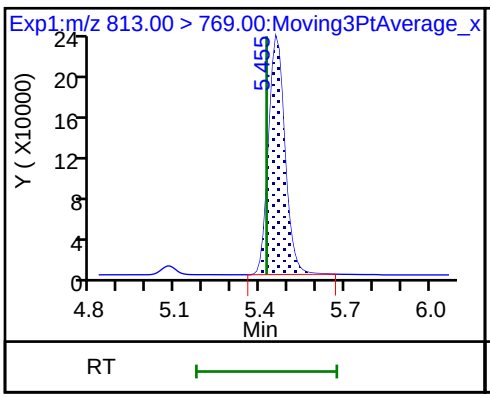
42 Perfluorotetradecanoic acid (M)



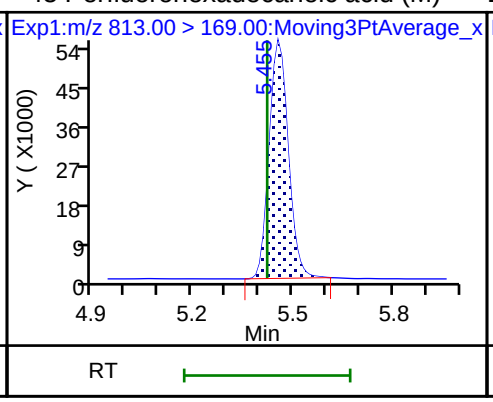
42 Perfluorotetradecanoic acid (M)



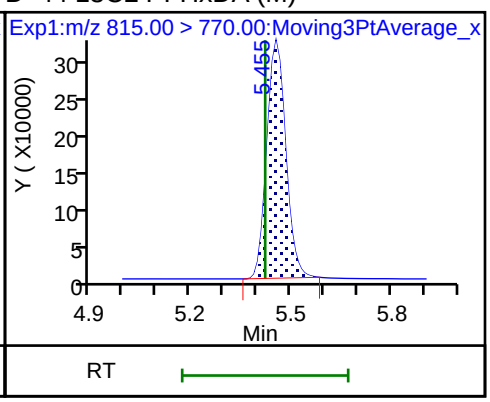
45 Perfluorohexadecanoic acid



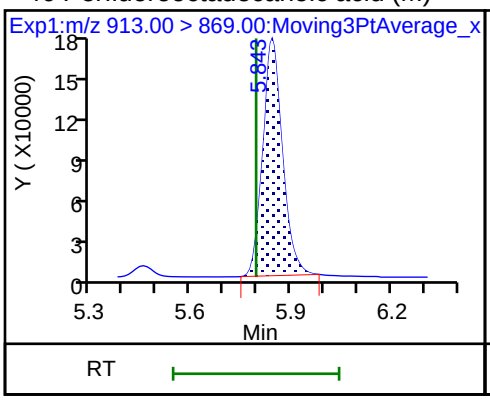
45 Perfluorohexadecanoic acid (M)



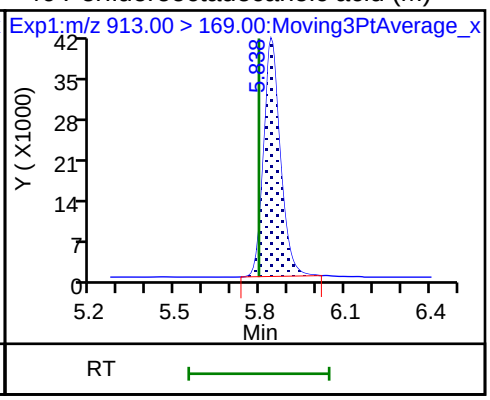
D 44 13C2 PFHxDA (M)



46 Perfluorooctadecanoic acid (M)



46 Perfluorooctadecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins Burlington

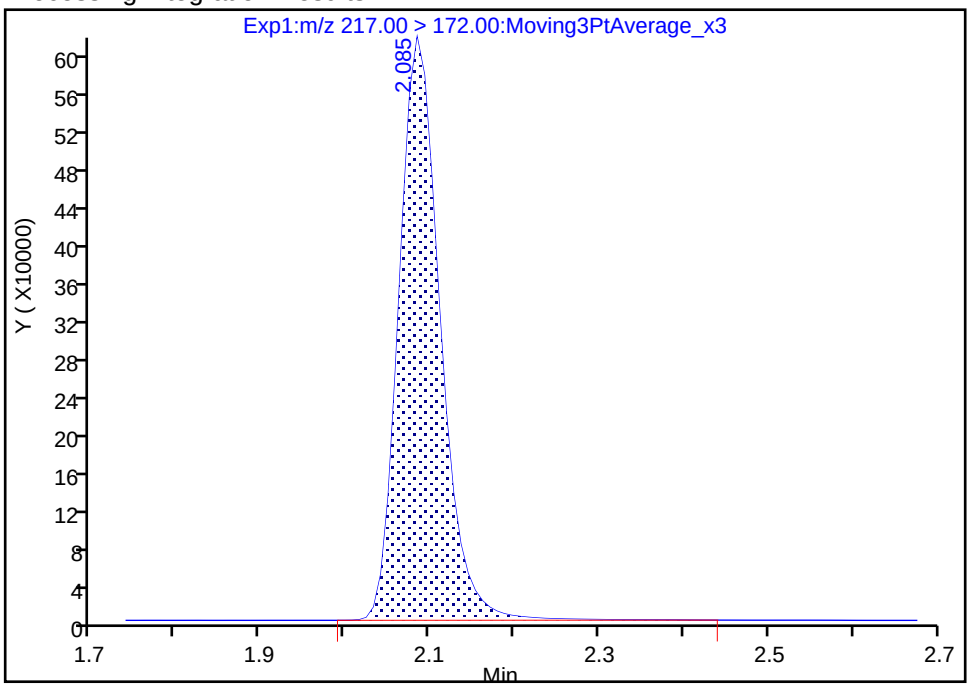
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

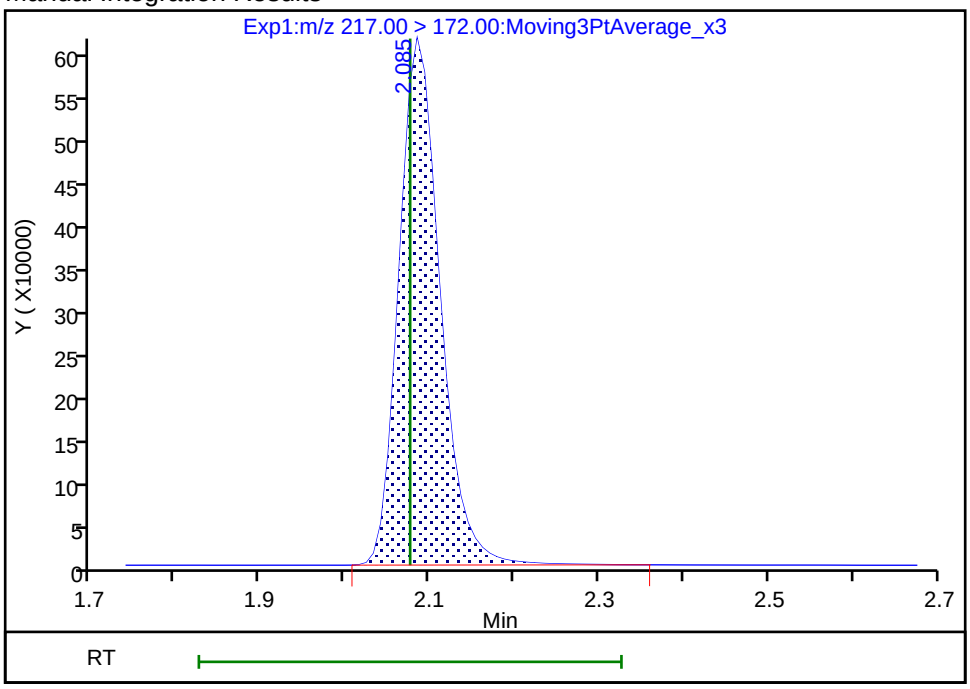
Processing Integration Results

RT: 2.08
Area: 2067065
Amount: 1.176450
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 2062918
Amount: 1.174090
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:12:51
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

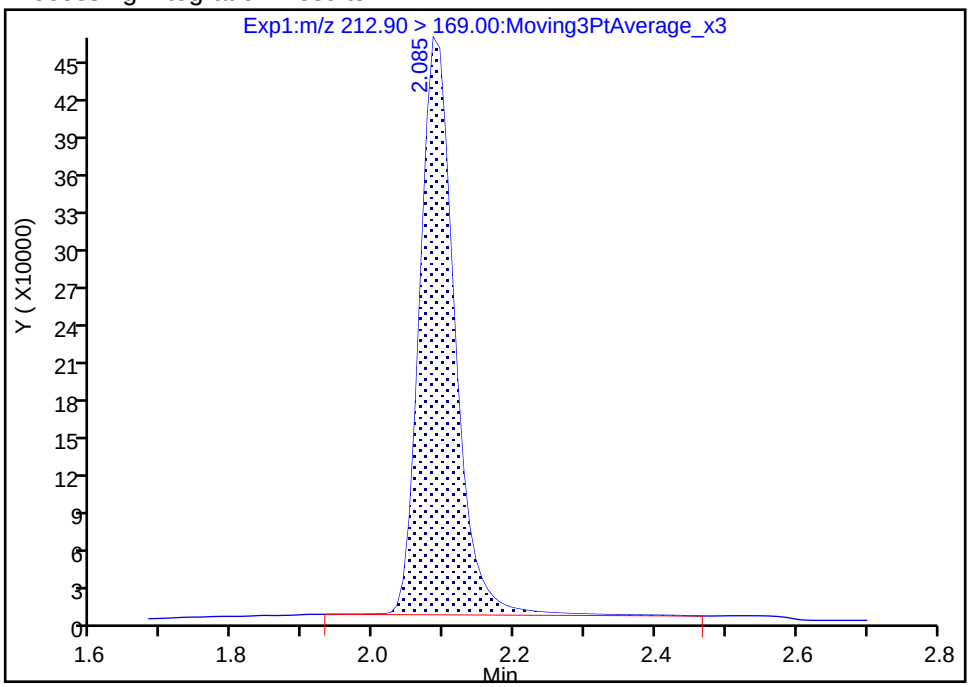
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

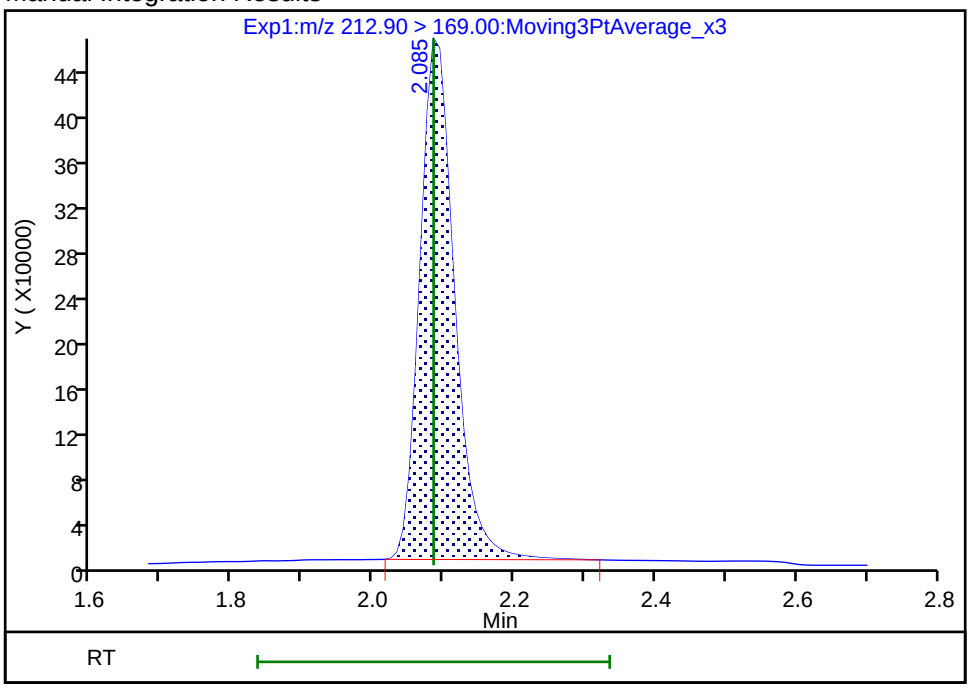
Processing Integration Results

RT: 2.08
Area: 1579952
Amount: 0.985296
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 1561260
Amount: 0.975596
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:40:37
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

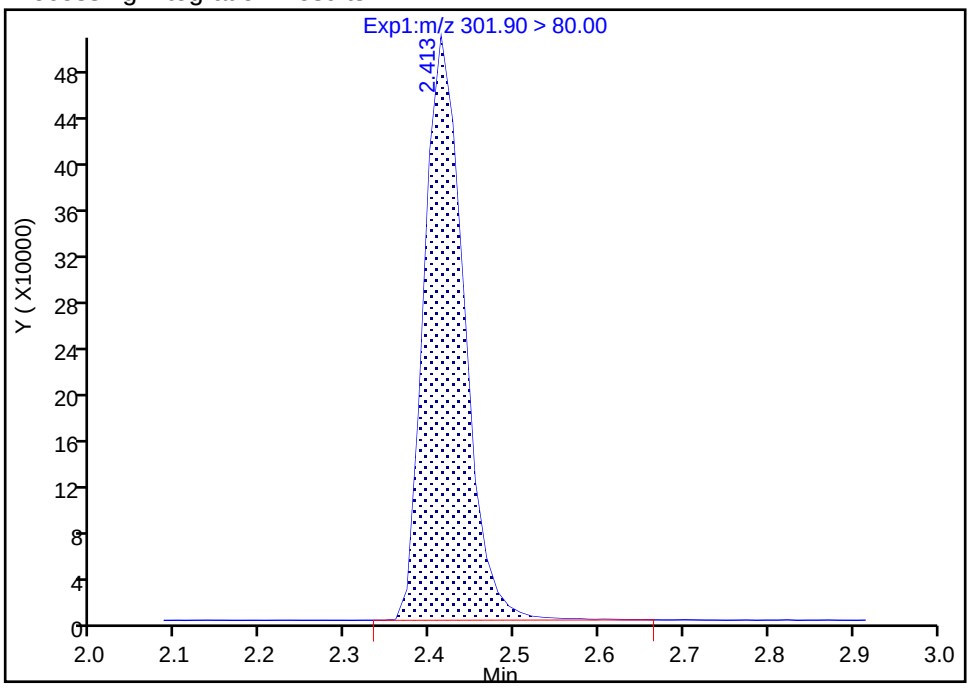
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

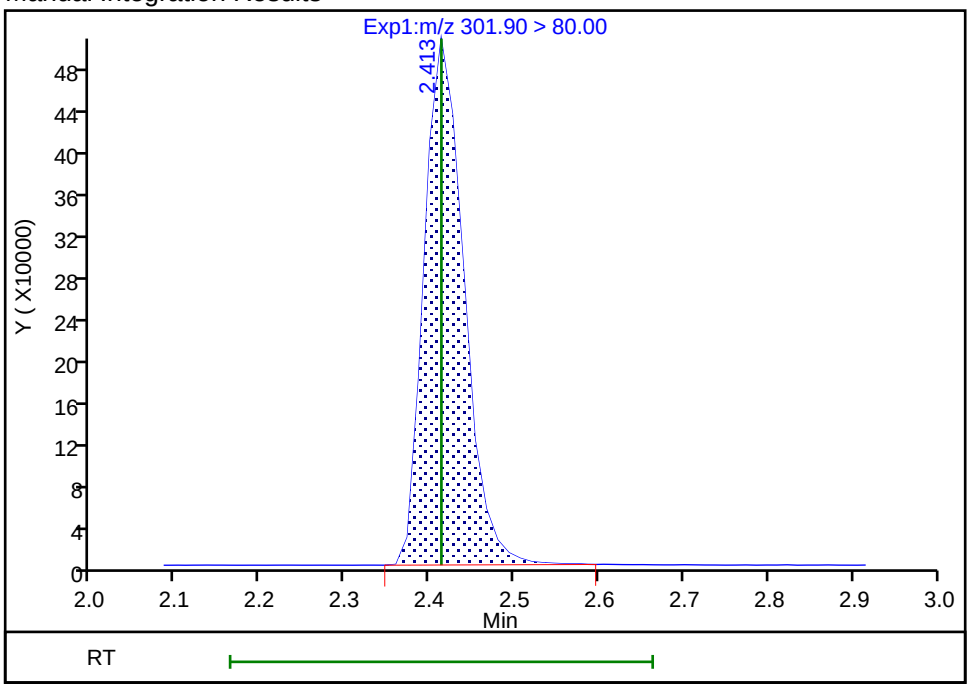
Processing Integration Results

RT: 2.41
Area: 1639380
Amount: 1.048366
Amount Units: ng/ml



Manual Integration Results

RT: 2.41
Area: 1635234
Amount: 1.045714
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:39:18
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

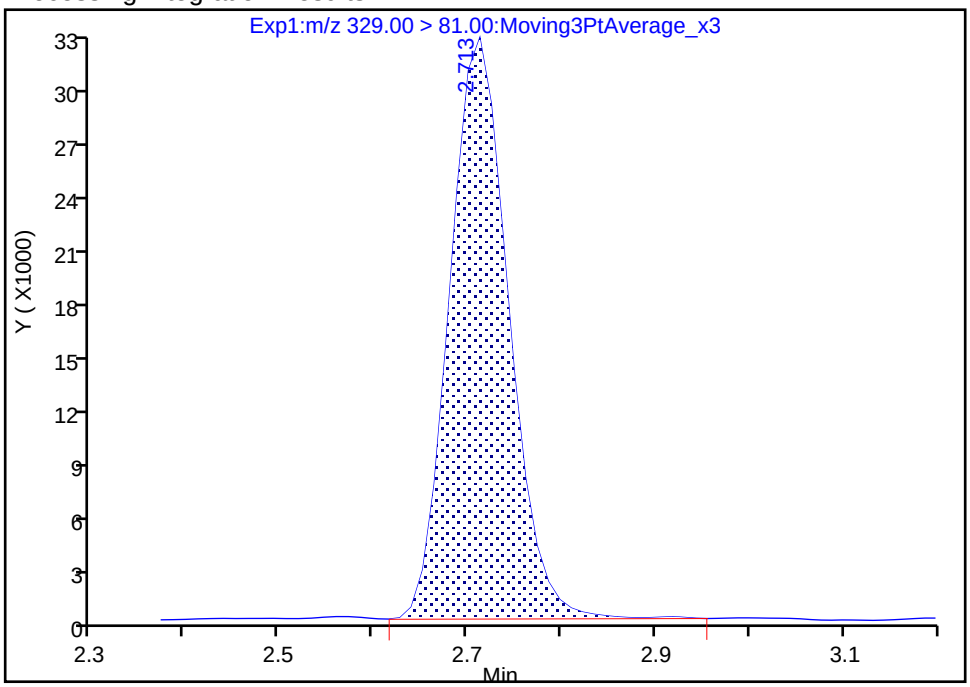
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

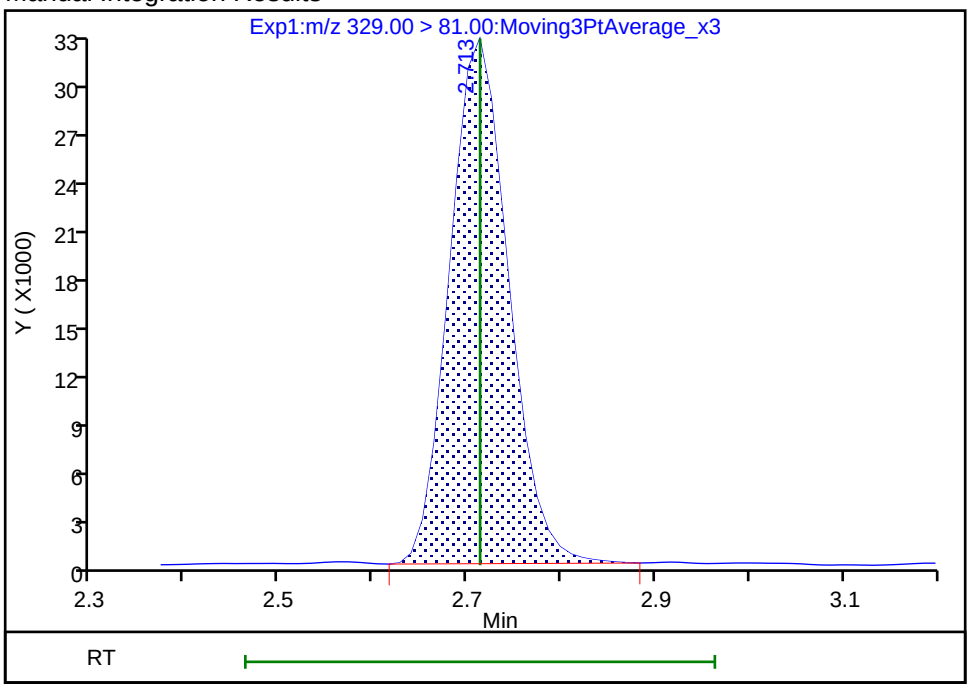
Processing Integration Results

RT: 2.71
Area: 141004
Amount: 1.047406
Amount Units: ng/ml



Manual Integration Results

RT: 2.71
Area: 140312
Amount: 1.042266
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:39:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

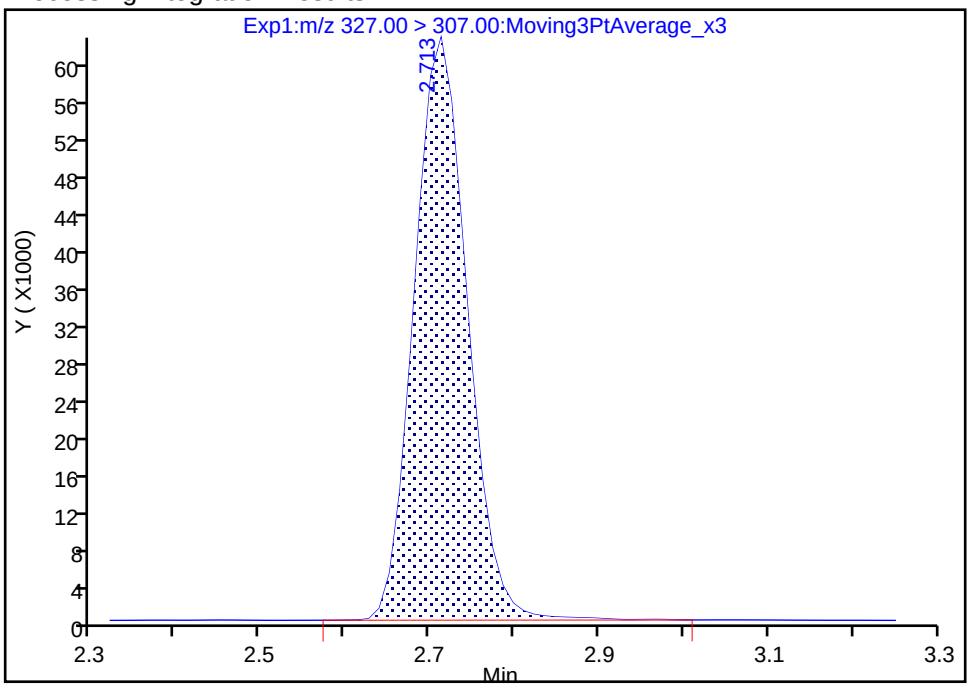
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Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

61 1H,1H,2H,2H-perfluorohexanesulfo, CAS: 757124-72-4

Signal: 1

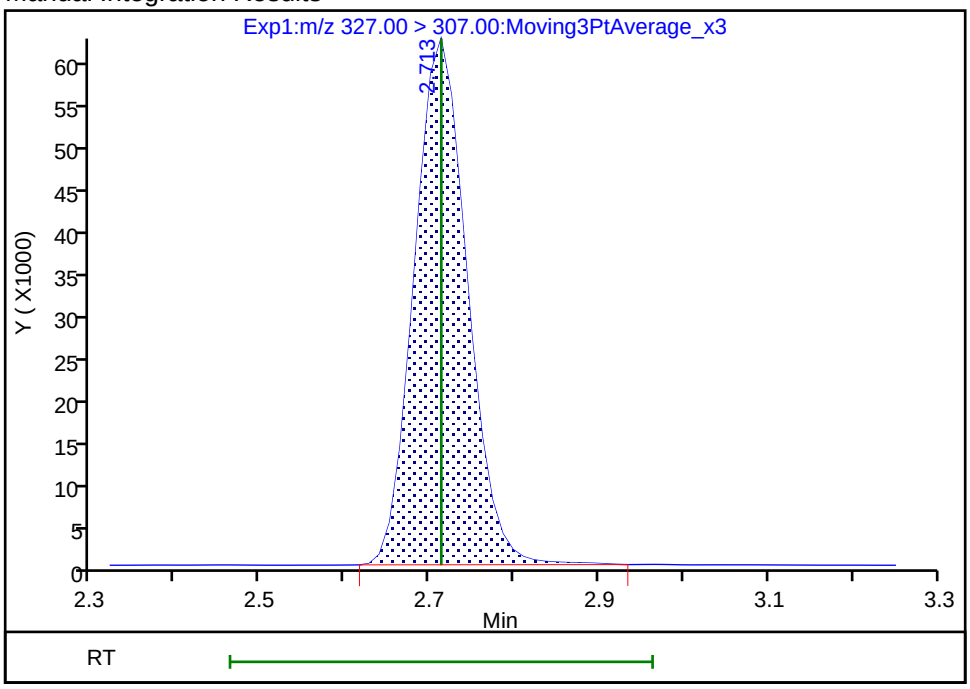
Processing Integration Results

RT: 2.71
Area: 273530
Amount: 0.957562
Amount Units: ng/ml



Manual Integration Results

RT: 2.71
Area: 272691
Amount: 0.954625
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:40:48
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

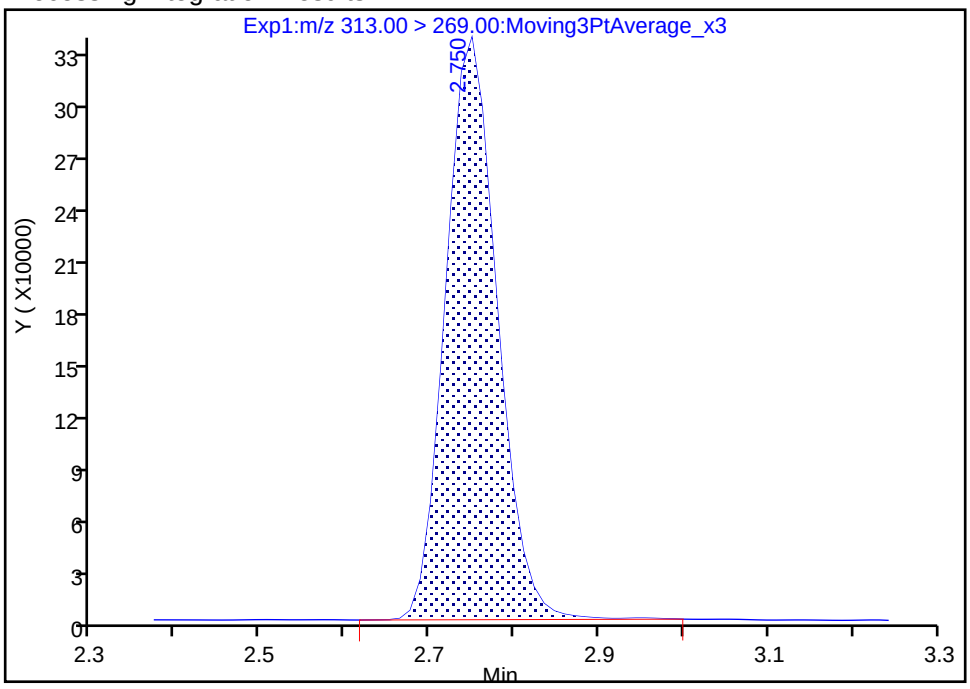
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Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

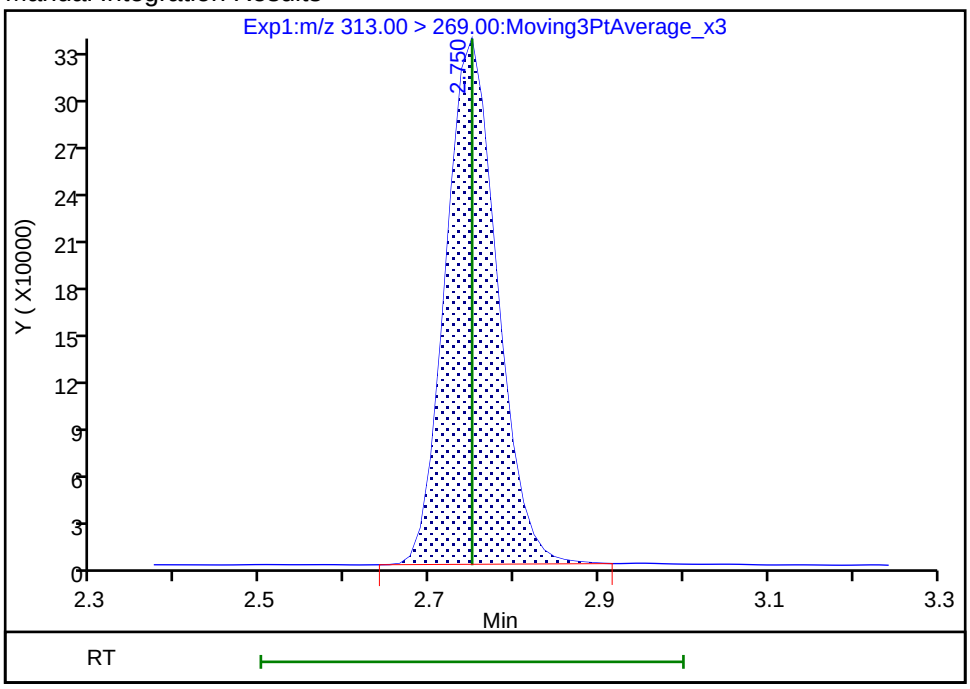
Processing Integration Results

RT: 2.75
Area: 1404846
Amount: 1.013673
Amount Units: ng/ml



Manual Integration Results

RT: 2.75
Area: 1398276
Amount: 1.008932
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:40:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

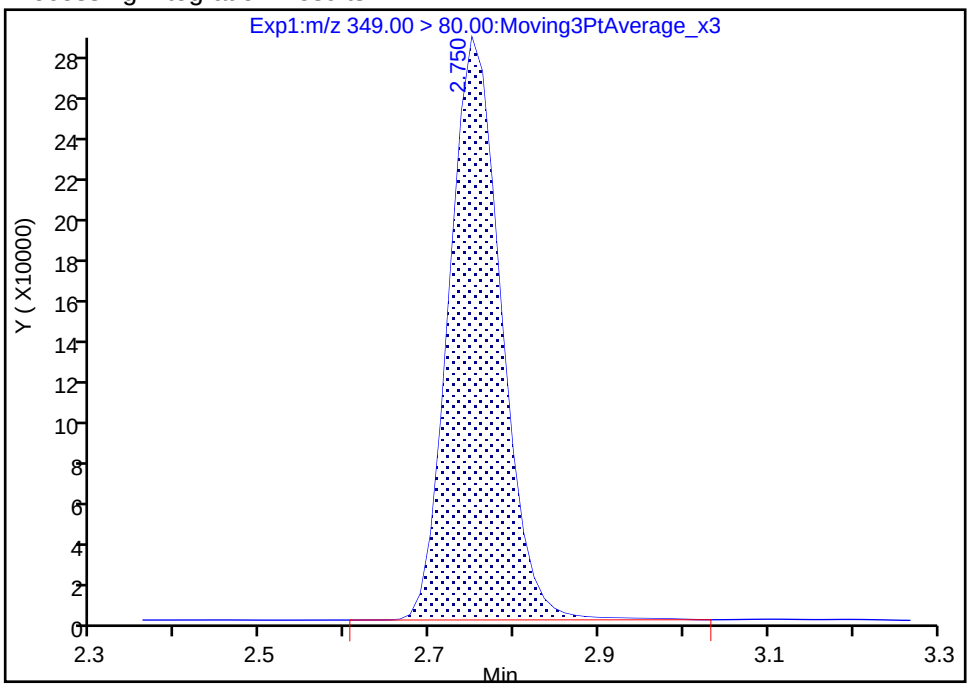
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

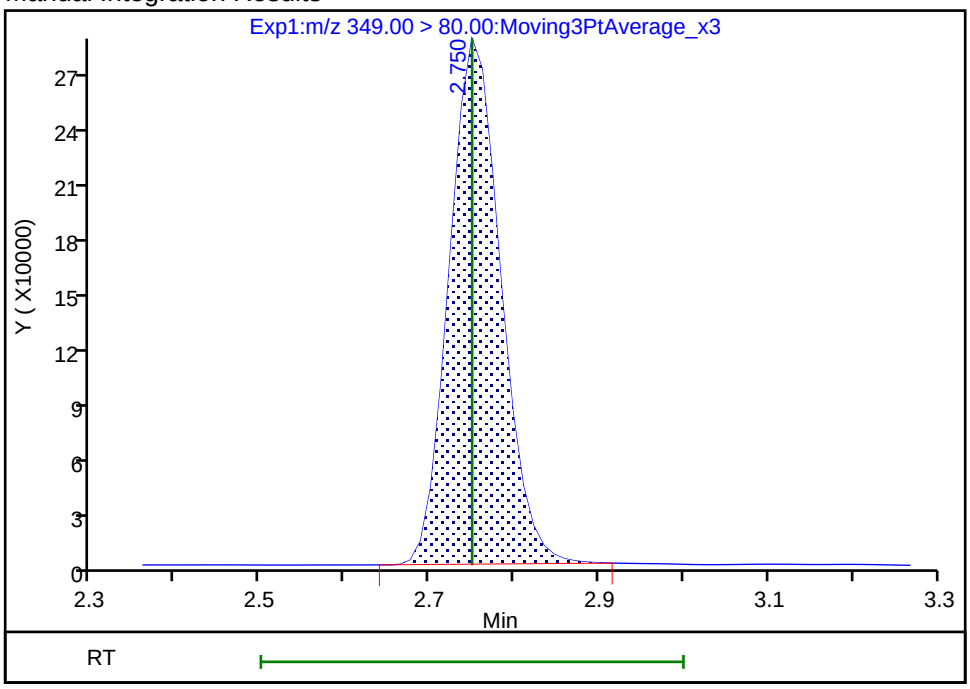
Processing Integration Results

RT: 2.75
Area: 1216398
Amount: 0.885189
Amount Units: ng/ml



Manual Integration Results

RT: 2.75
Area: 1205614
Amount: 0.885282
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:13:06
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

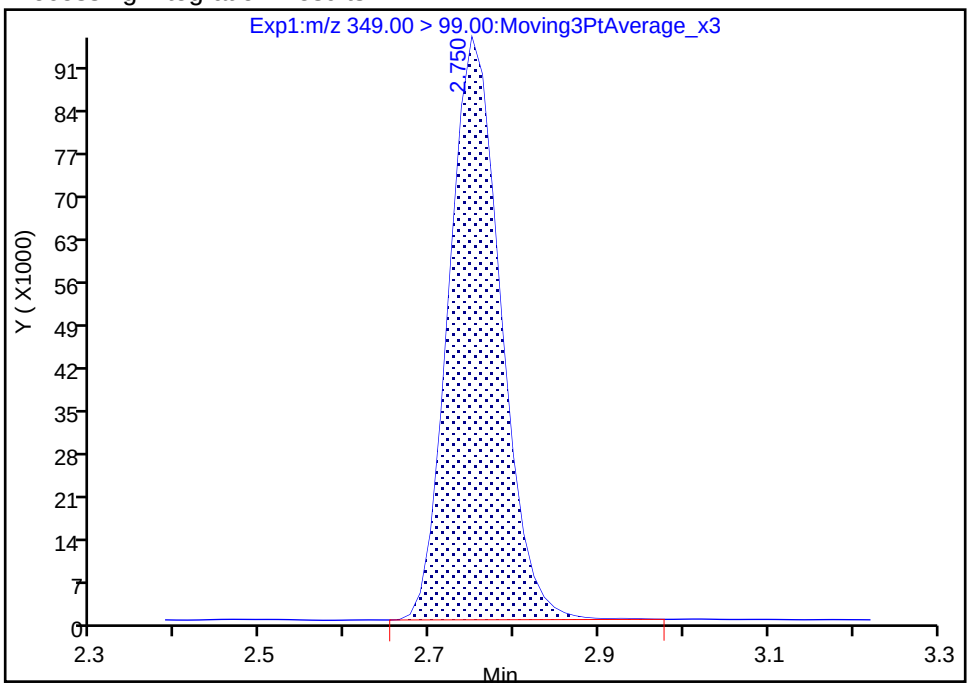
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Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 2

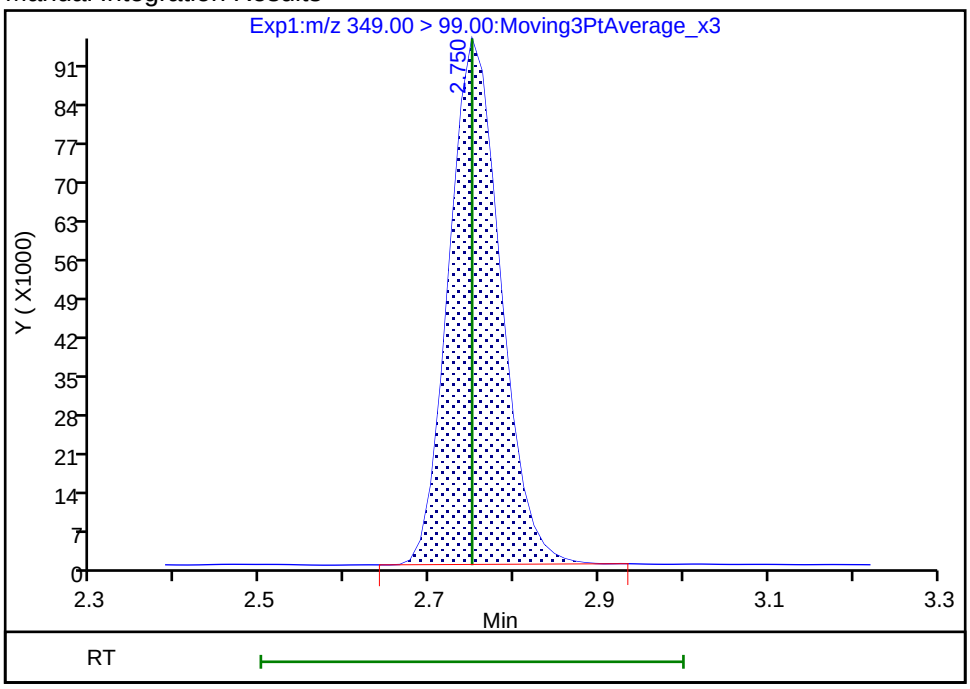
Processing Integration Results

RT: 2.75
Area: 405464
Amount: 0.885189
Amount Units: ng/ml



Manual Integration Results

RT: 2.75
Area: 404088
Amount: 0.885282
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:13:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

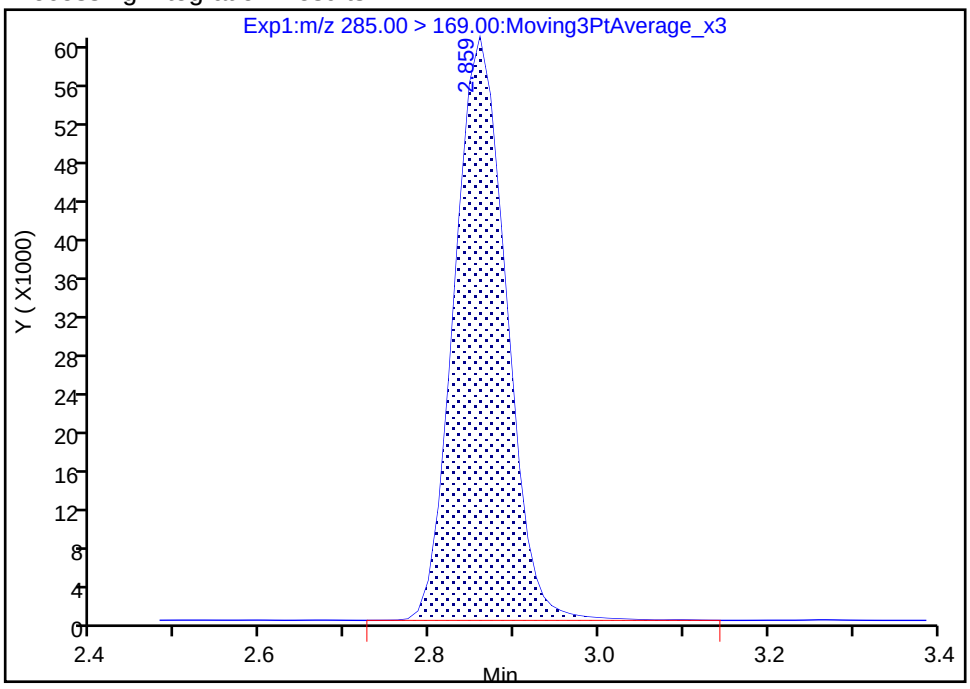
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

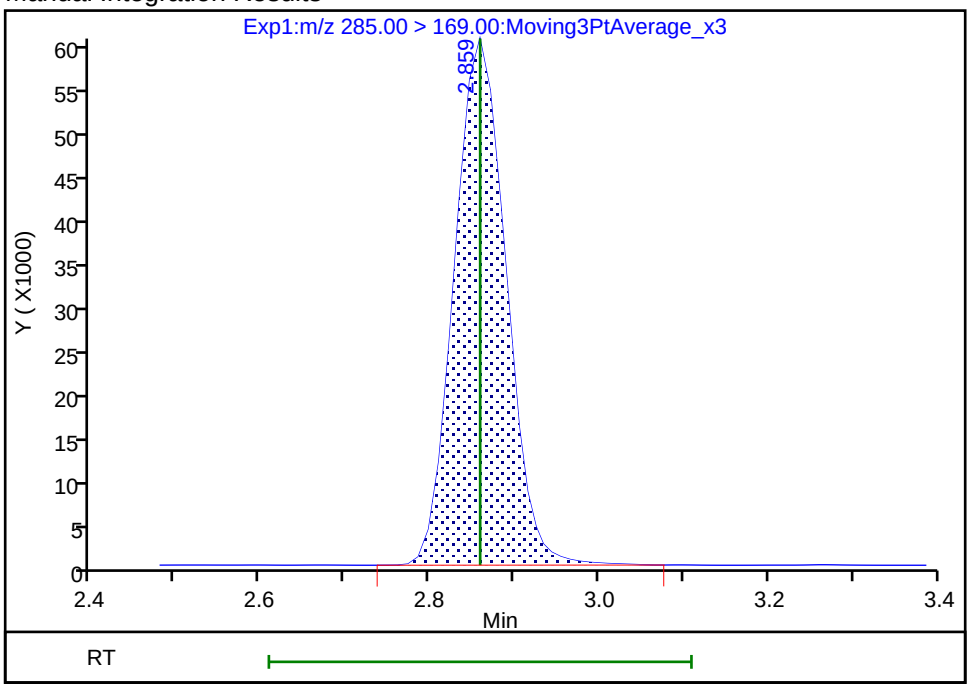
Processing Integration Results

RT: 2.86
Area: 258688
Amount: 1.037498
Amount Units: ng/ml



Manual Integration Results

RT: 2.86
Area: 258323
Amount: 1.036034
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:41:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

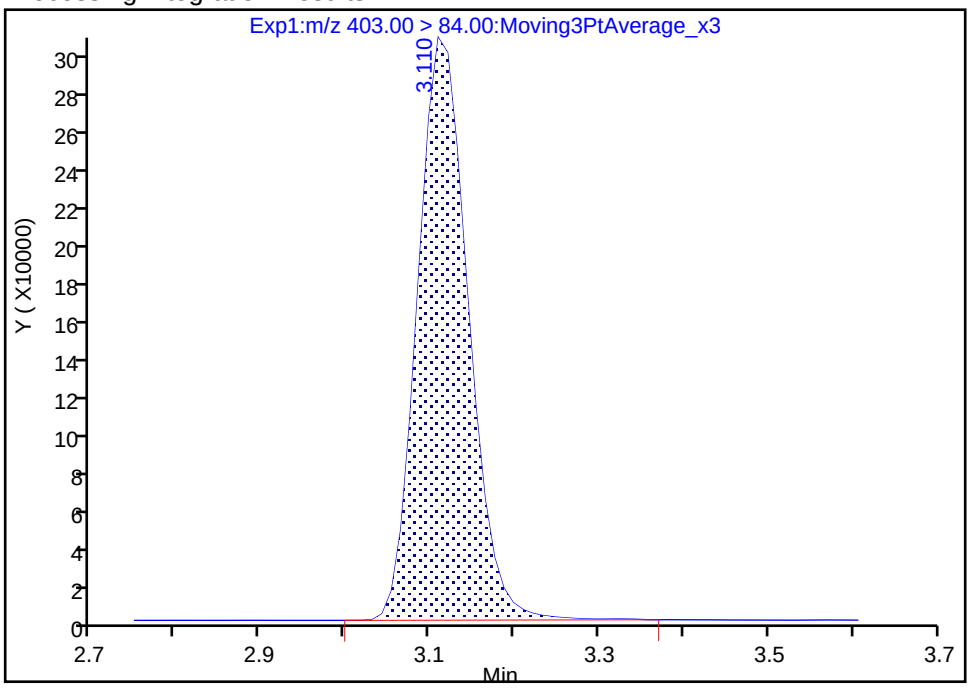
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 11 18O2 PFHxS, CAS: STL00994

Signal: 1

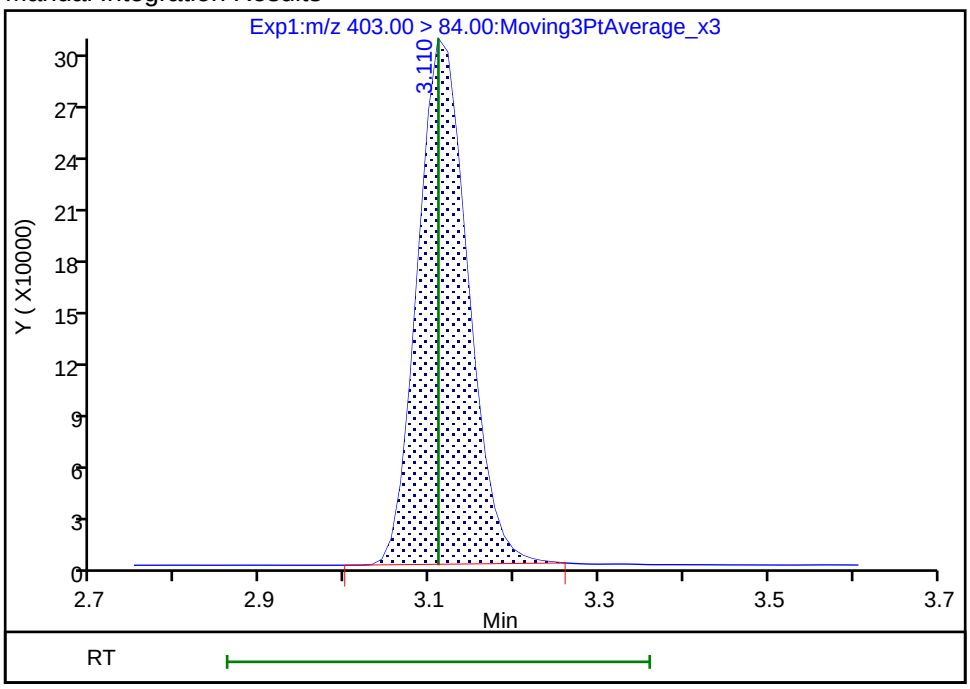
Processing Integration Results

RT: 3.11
Area: 1253249
Amount: 1.139522
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 1242007
Amount: 1.129300
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:15:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

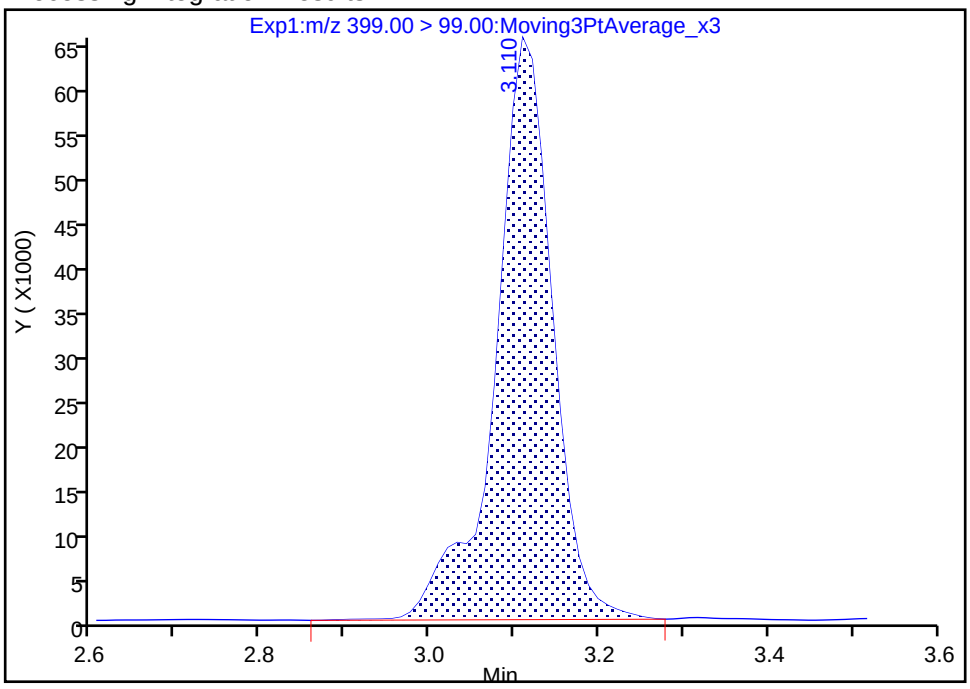
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d				
Injection Date:	04-Aug-2022 16:53:05	Instrument ID:	LC812		
Lims ID:	CCV L4				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

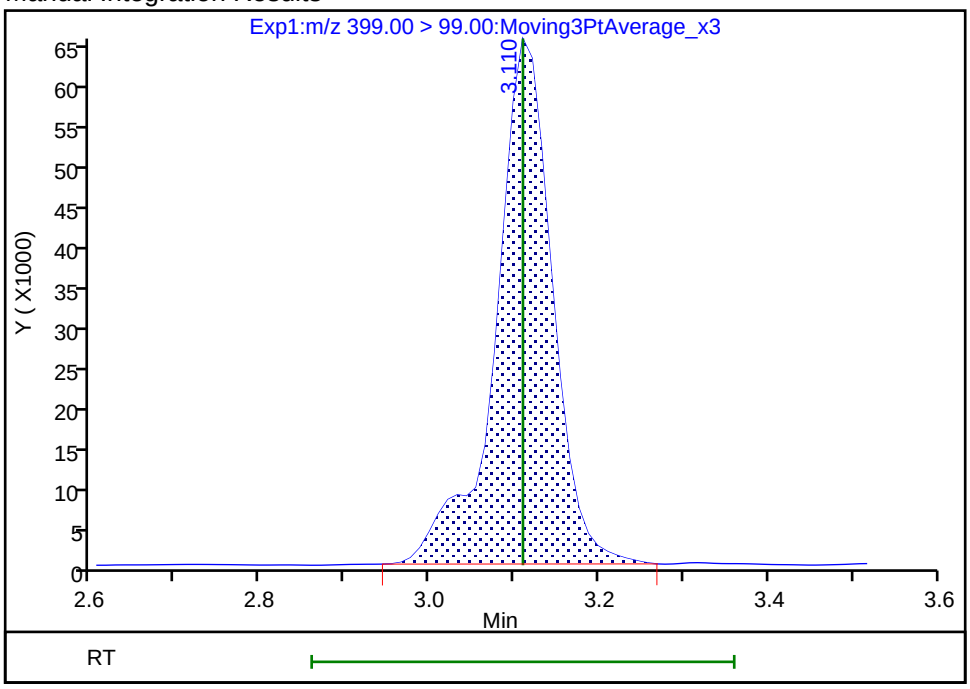
Processing Integration Results

RT: 3.11
Area: 304649
Amount: 0.869026
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 302864
Amount: 0.872445
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:41:14

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

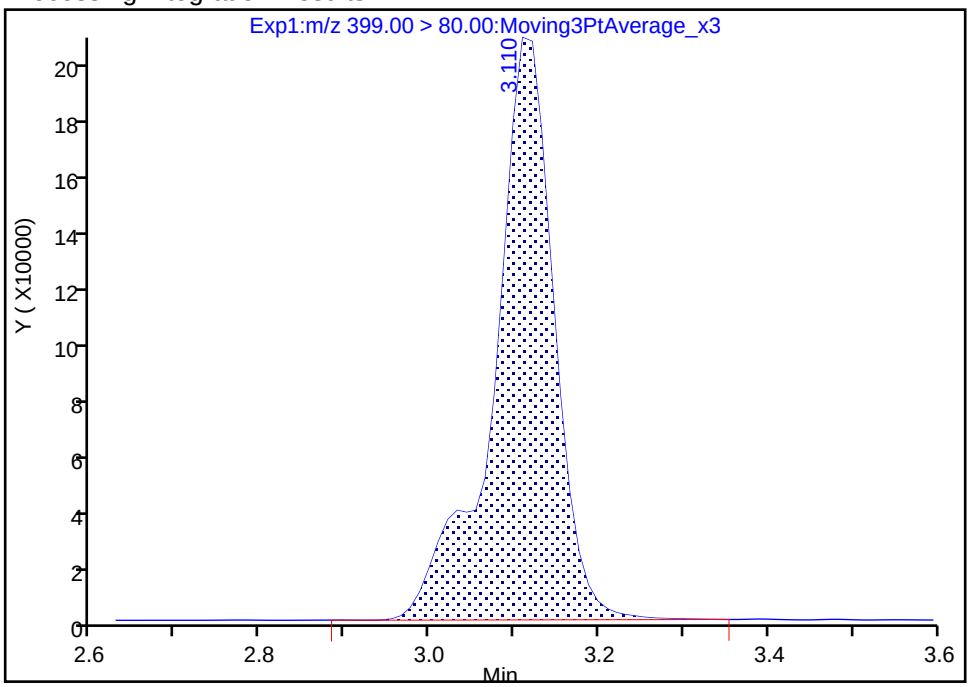
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

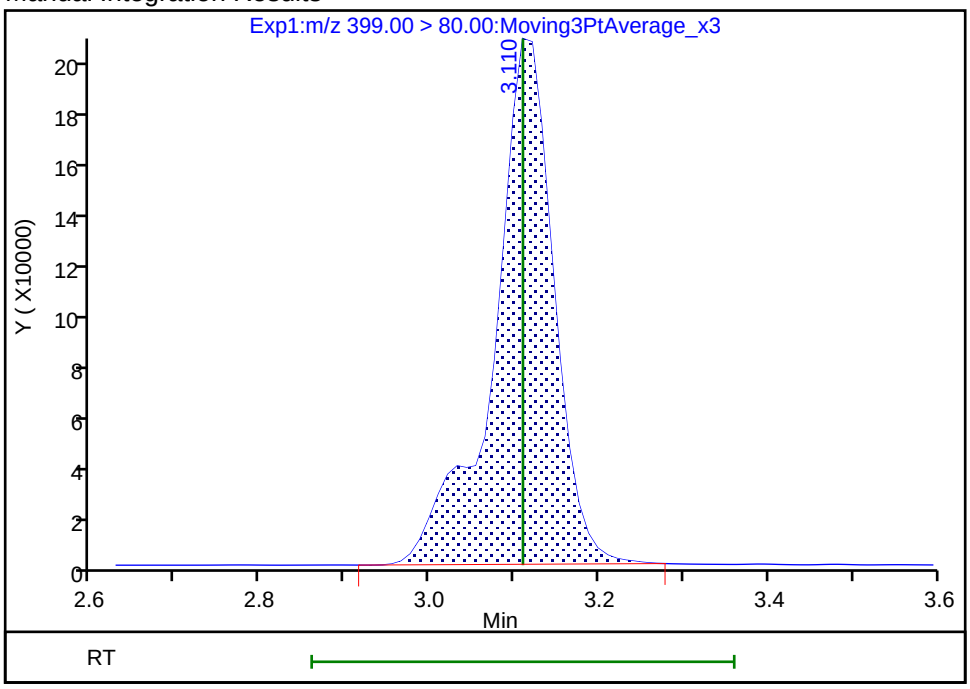
Processing Integration Results

RT: 3.11
Area: 1015830
Amount: 0.869026
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 1010679
Amount: 0.872445
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:15:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

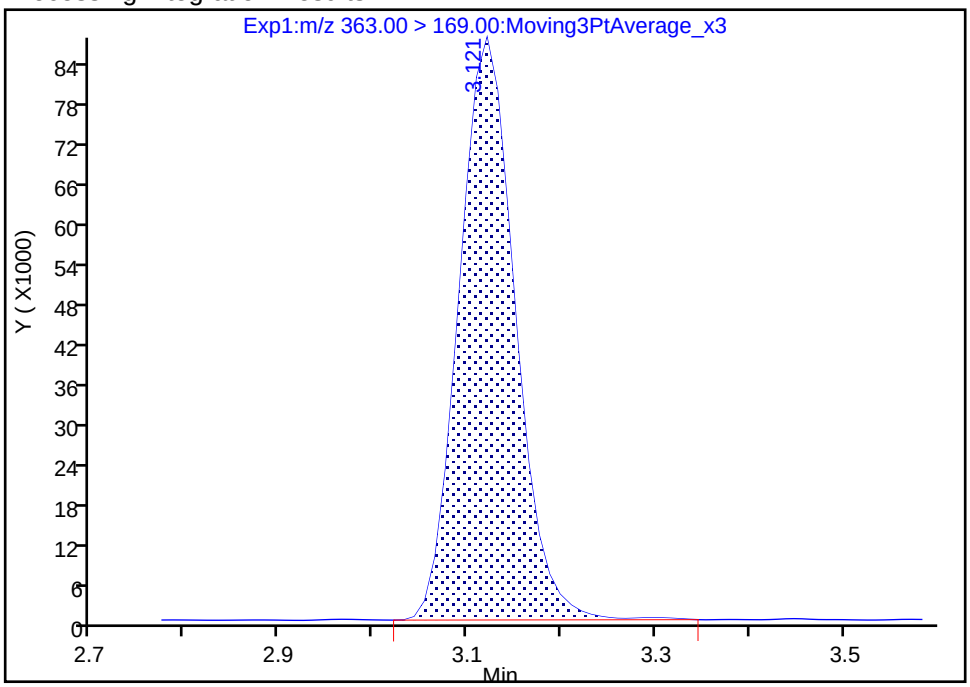
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

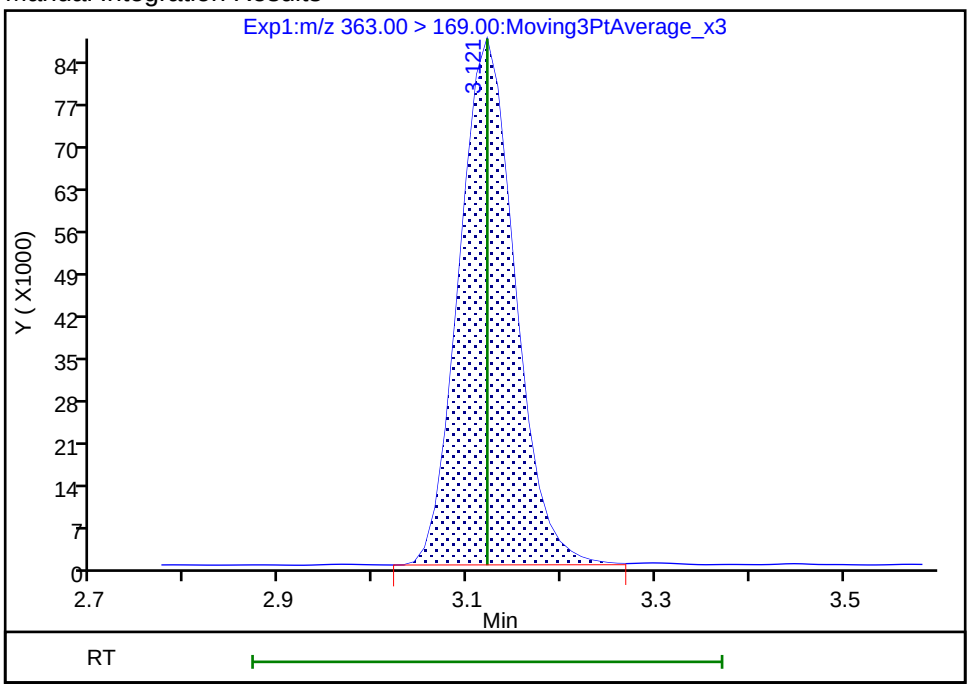
Processing Integration Results

RT: 3.12
Area: 364151
Amount: 0.995788
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 363271
Amount: 0.995788
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:41:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

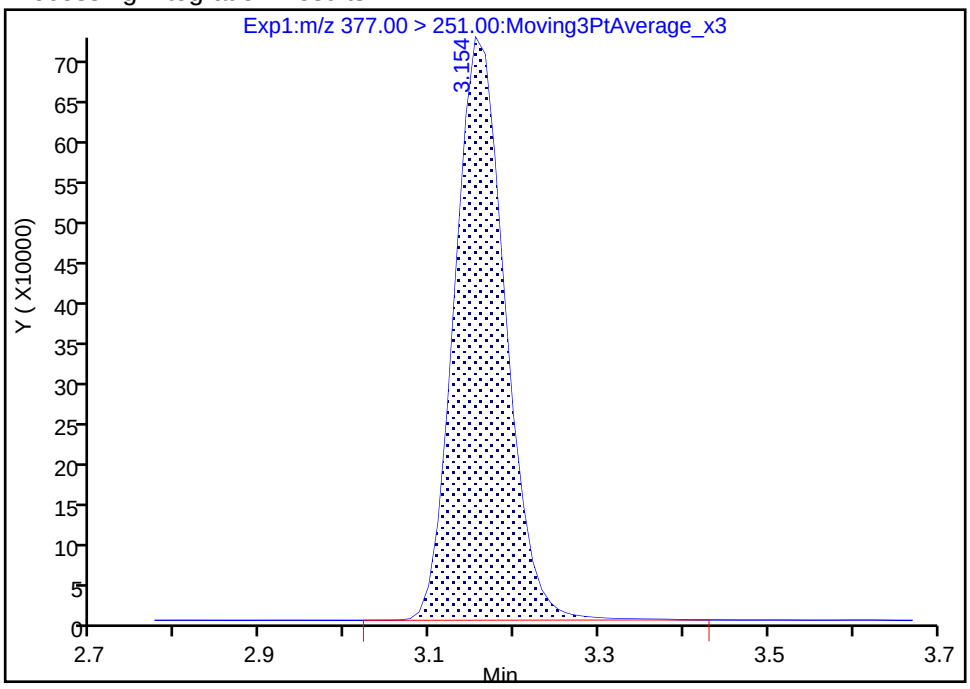
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

77 DONA, CAS: 919005-14-4

Signal: 1

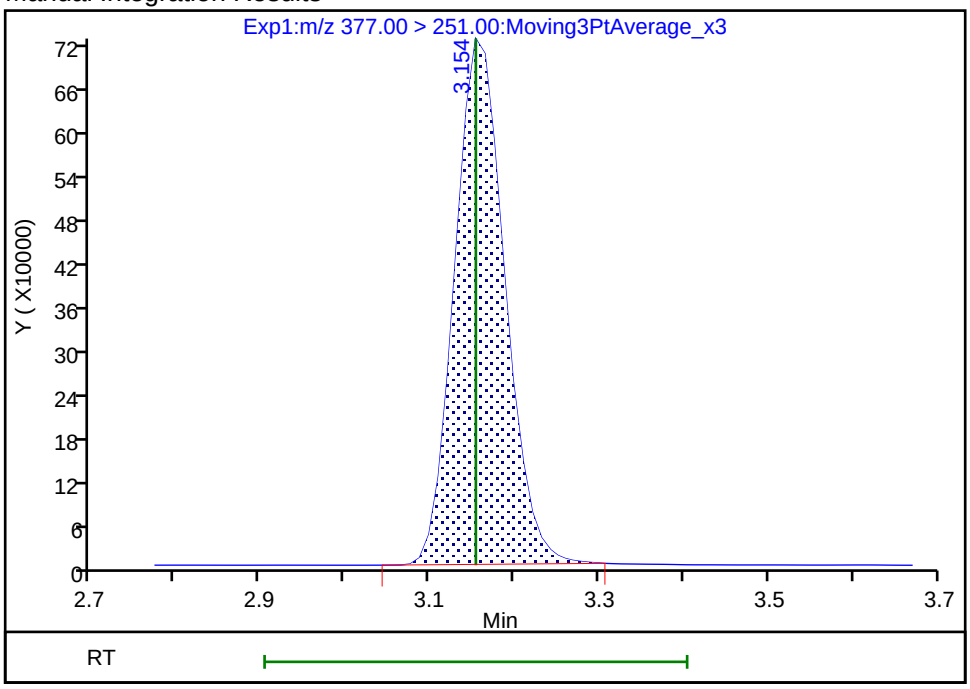
Processing Integration Results

RT: 3.15
Area: 2998293
Amount: 0.977897
Amount Units: ng/ml



Manual Integration Results

RT: 3.15
Area: 2974578
Amount: 0.970162
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:15:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

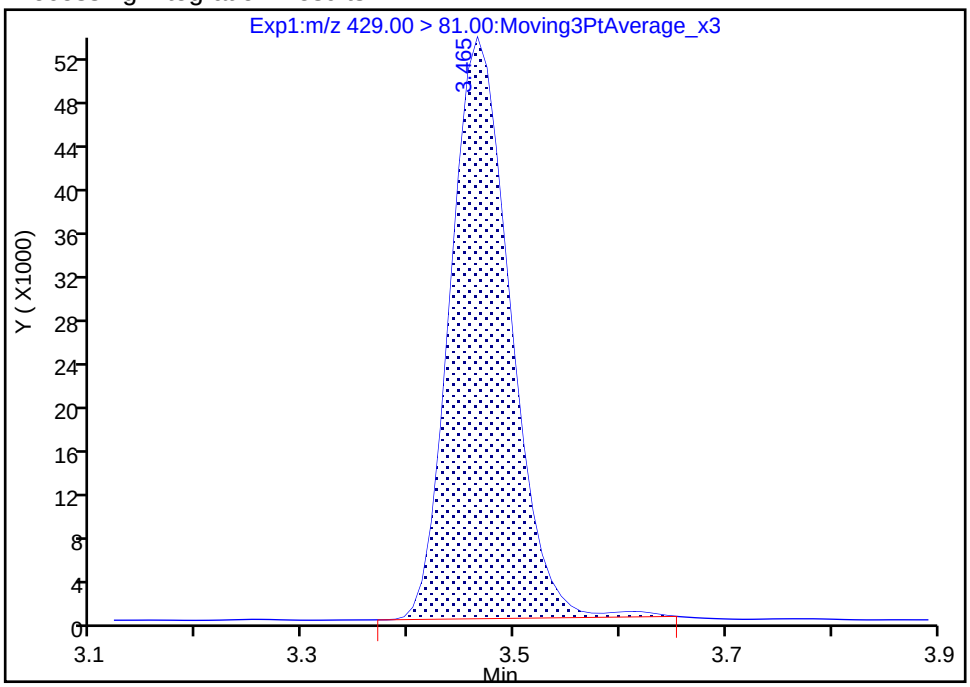
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

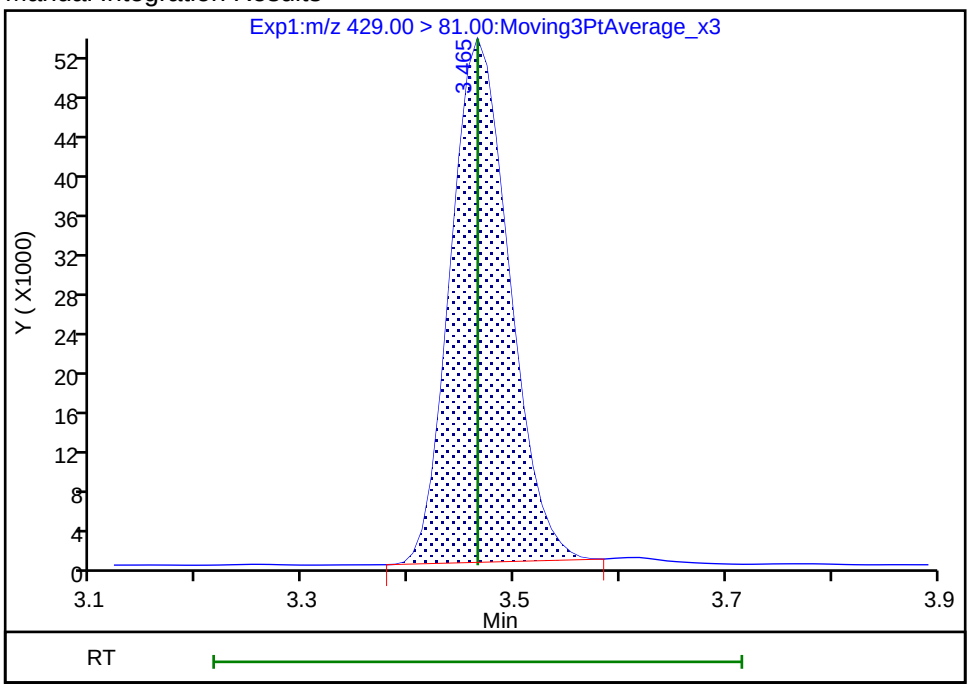
Processing Integration Results

RT: 3.46
Area: 207701
Amount: 1.128345
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 204263
Amount: 1.109668
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:15:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

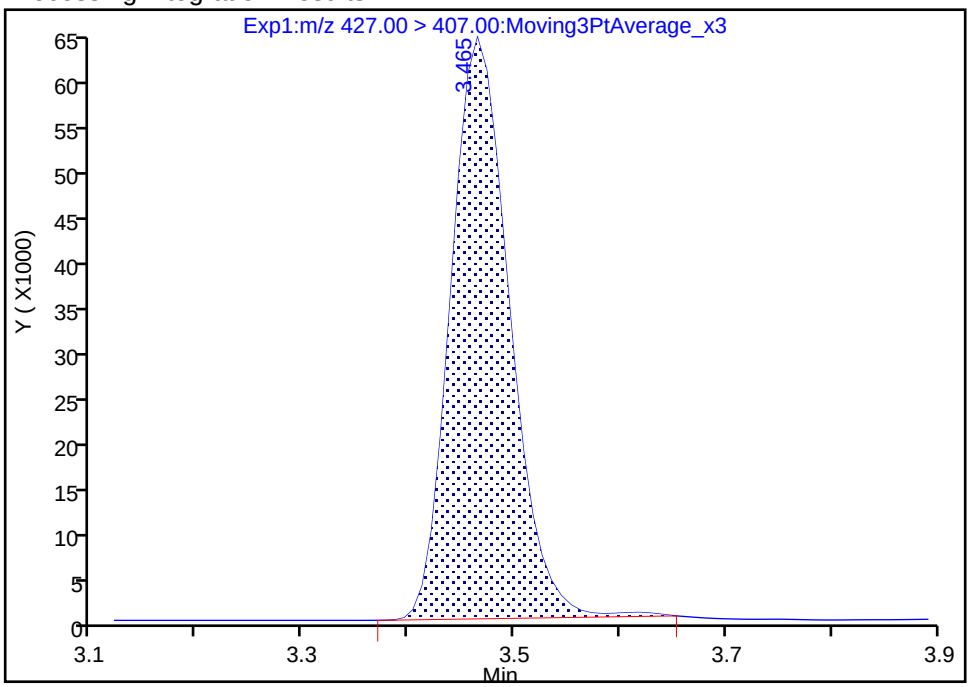
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d				
Injection Date:	04-Aug-2022 16:53:05	Instrument ID:	LC812		
Lims ID:	CCV L4				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

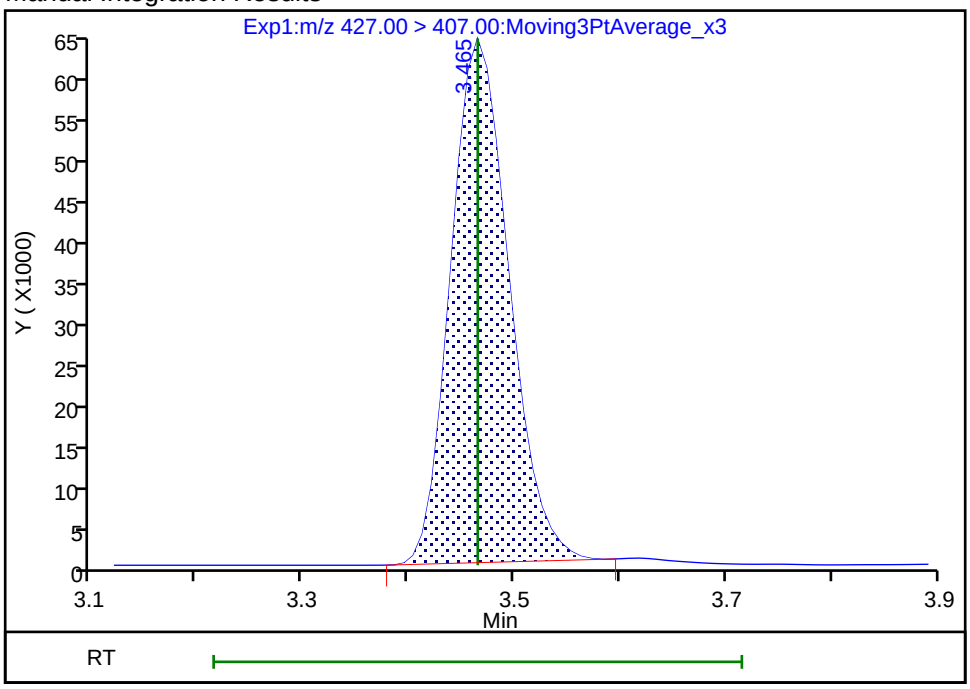
Processing Integration Results

RT: 3.46
Area: 249006
Amount: 0.962340
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 245489
Amount: 0.962588
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:15:40

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

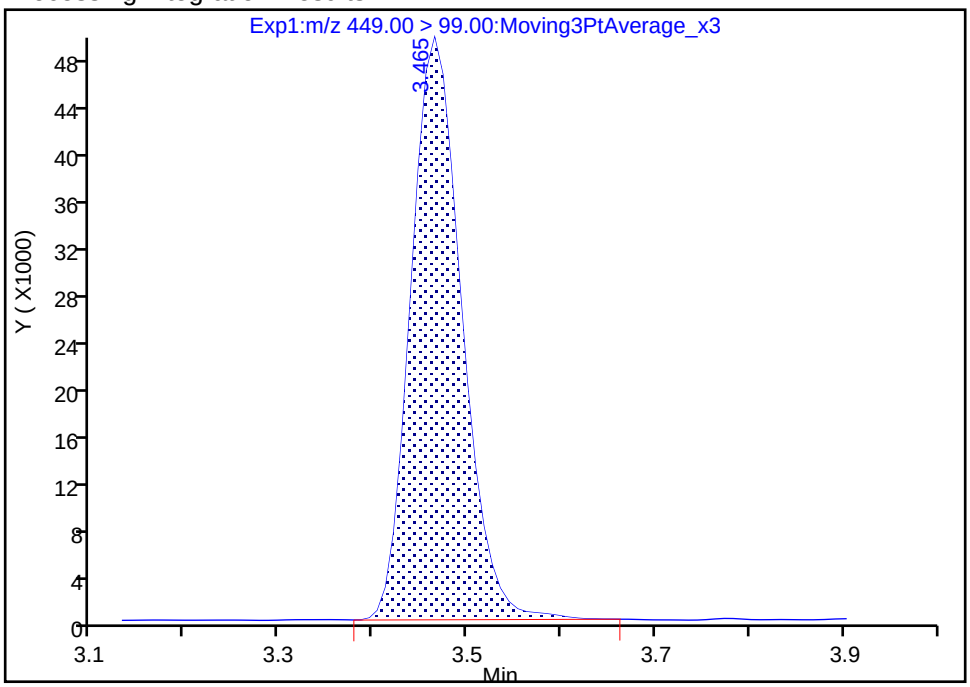
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

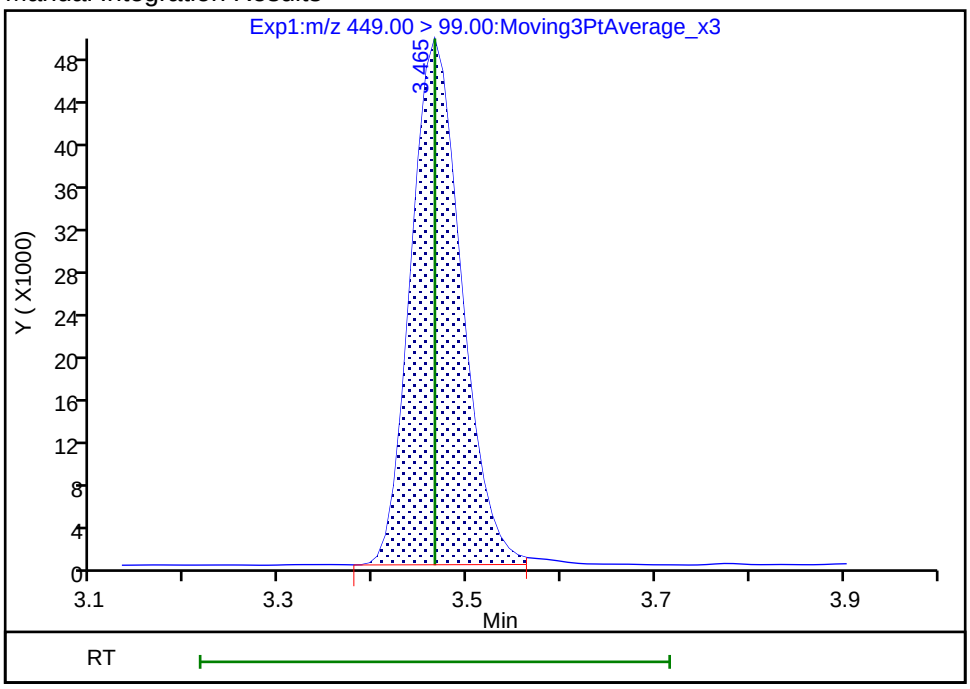
Processing Integration Results

RT: 3.46
Area: 184462
Amount: 0.970215
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 183138
Amount: 0.968814
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:41:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

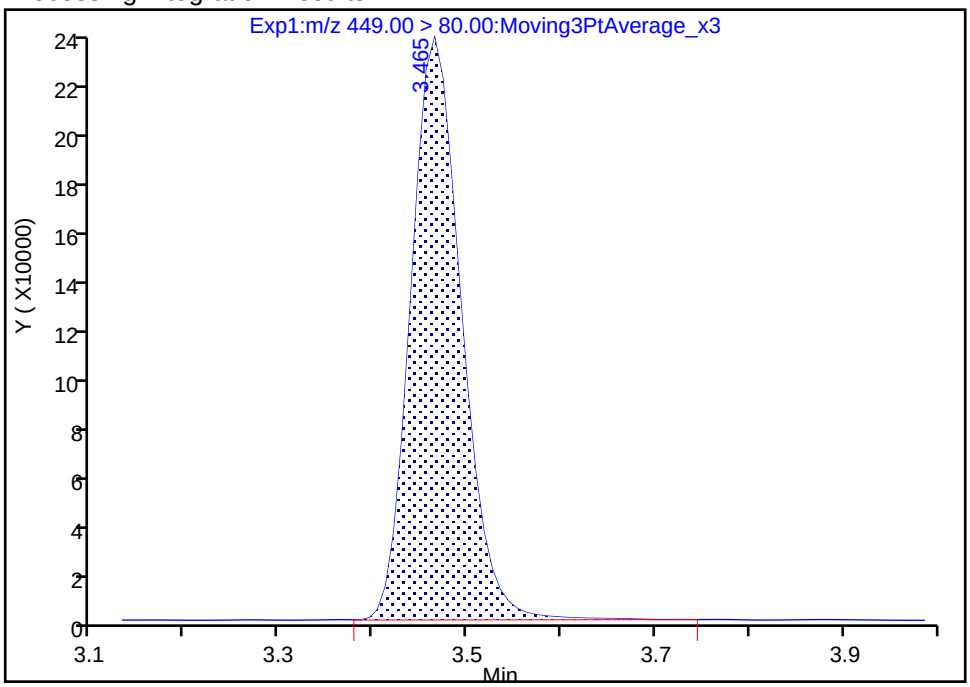
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

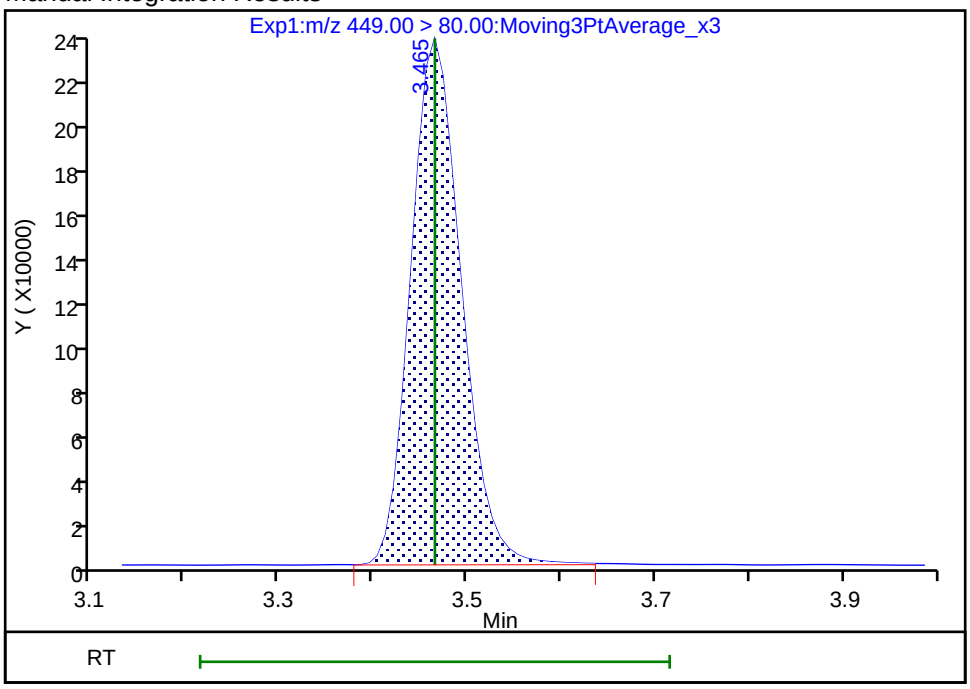
Processing Integration Results

RT: 3.46
Area: 892697
Amount: 0.970215
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 891408
Amount: 0.968814
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:41:39
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

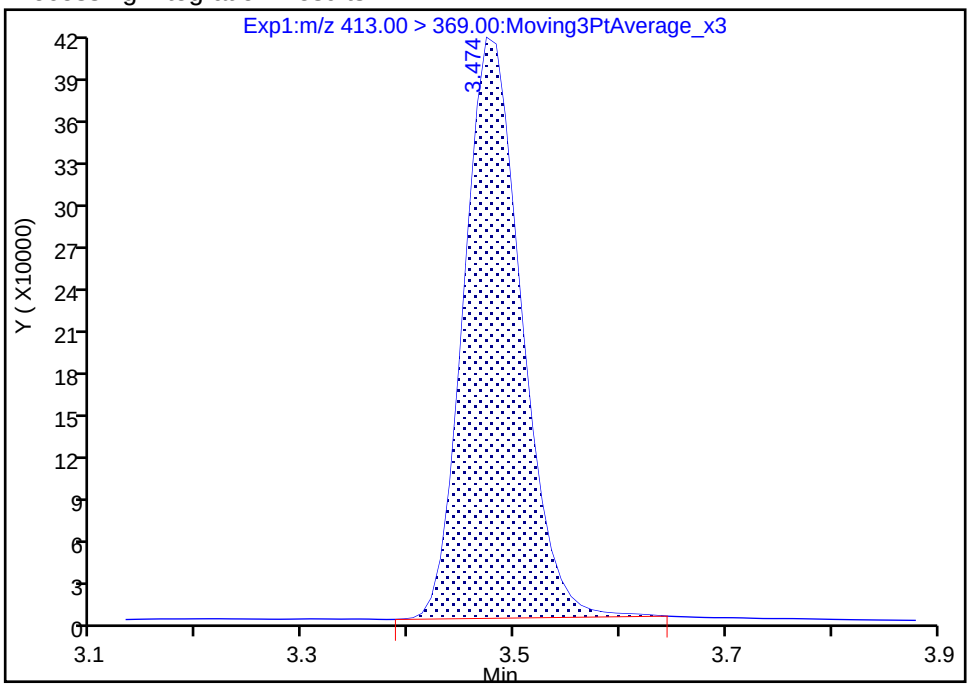
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

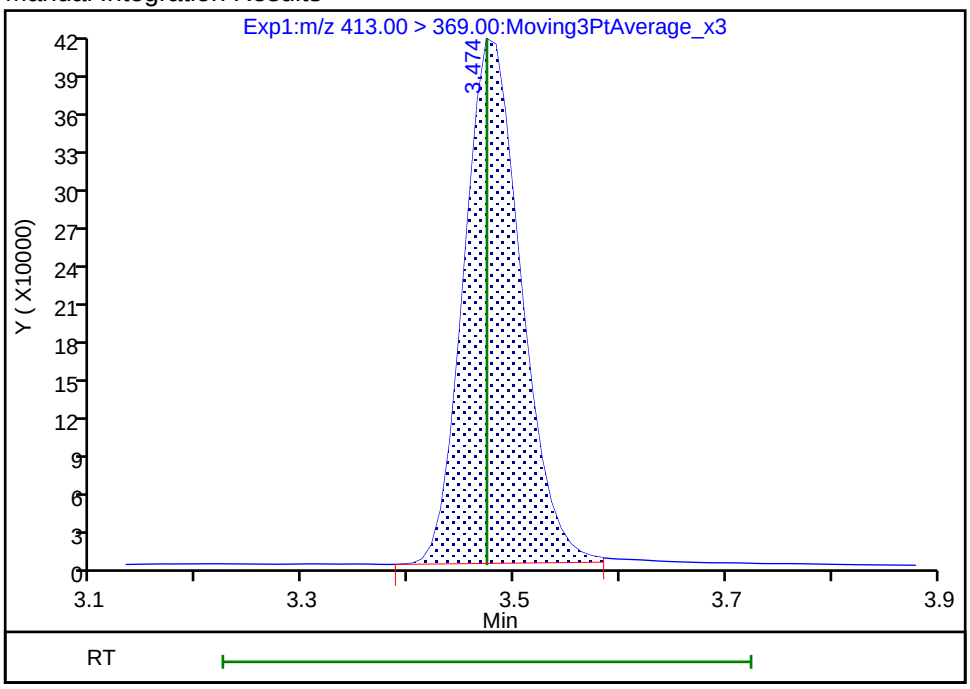
Processing Integration Results

RT: 3.47
Area: 1558728
Amount: 0.987653
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 1552933
Amount: 0.983981
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:41:53
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

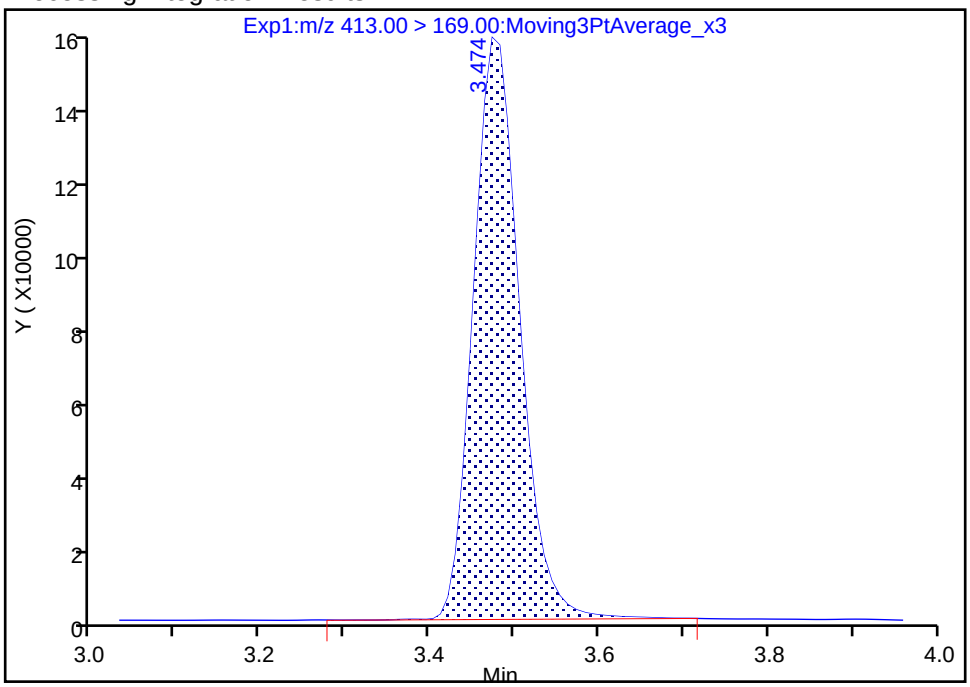
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d				
Injection Date:	04-Aug-2022 16:53:05	Instrument ID:	LC812		
Lims ID:	CCV L4				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

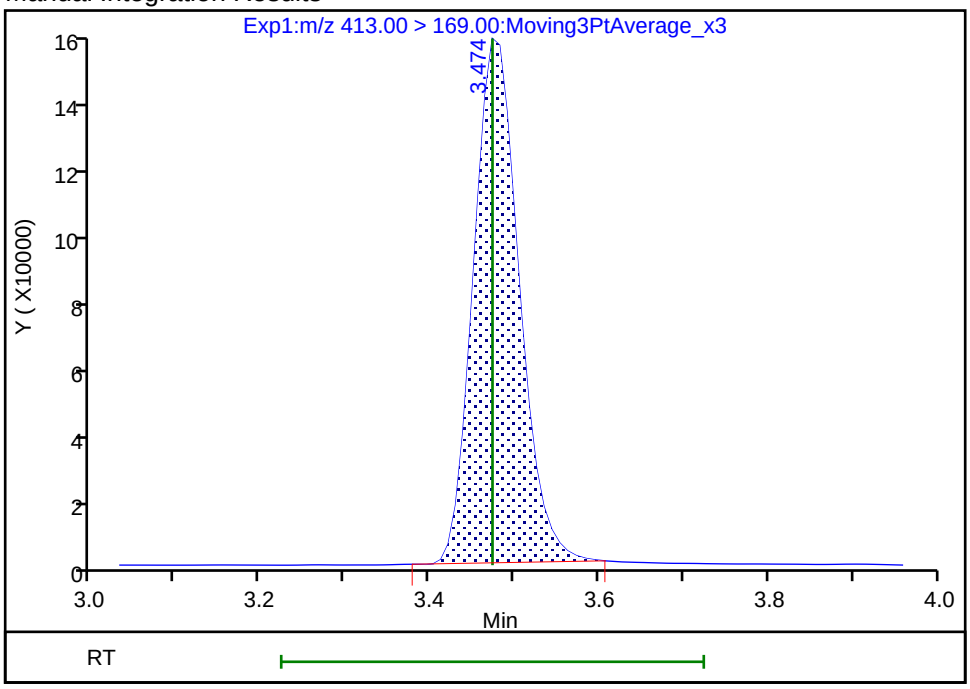
Processing Integration Results

RT: 3.47
Area: 576668
Amount: 0.987653
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 567104
Amount: 0.983981
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:15:47

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

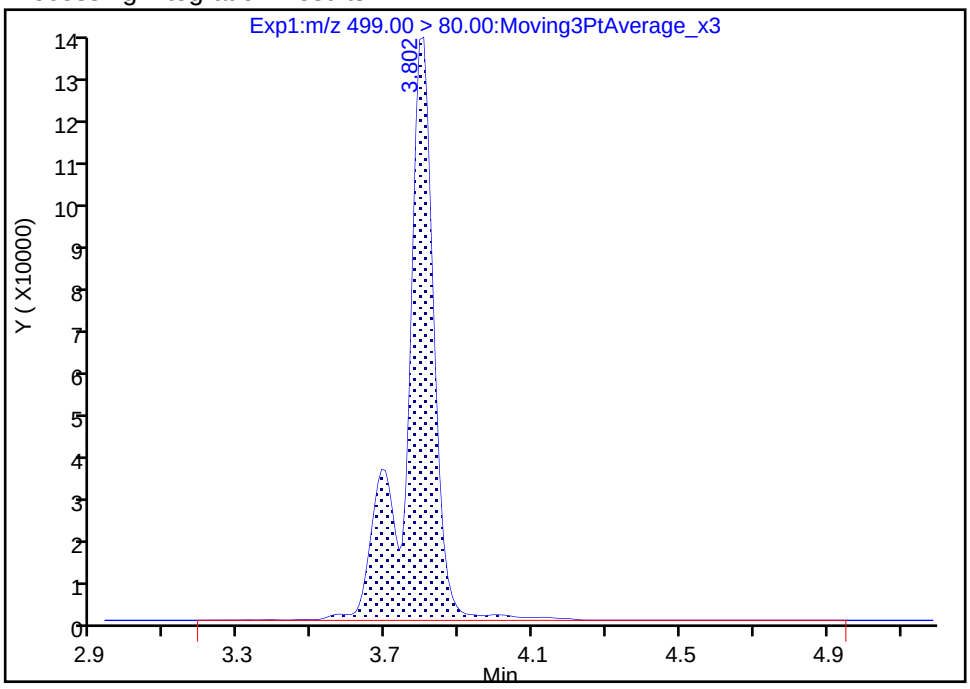
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

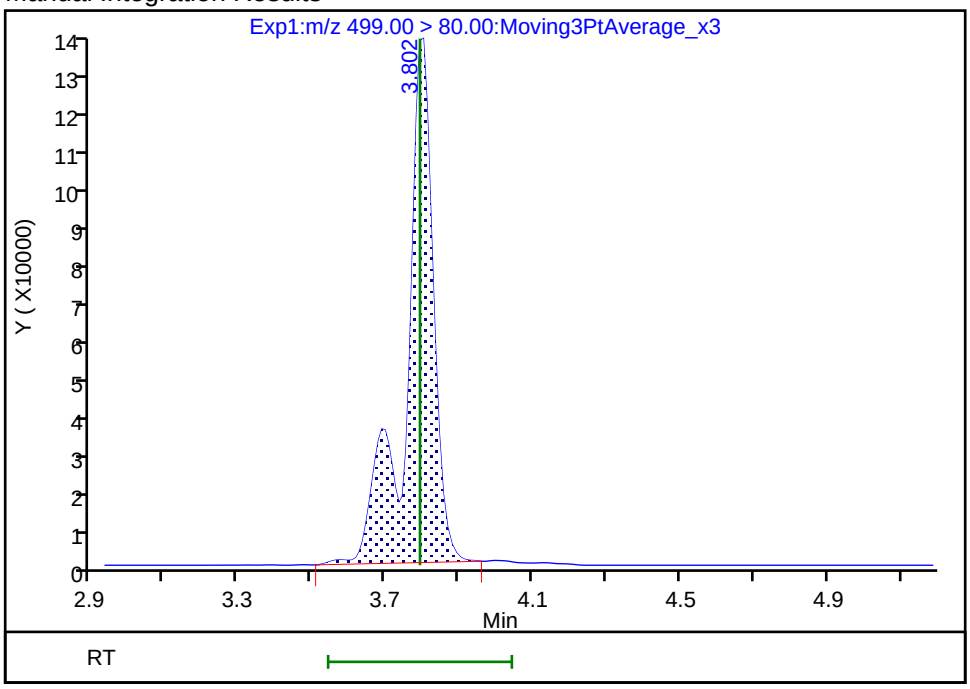
Processing Integration Results

RT: 3.80
Area: 734122
Amount: 0.972713
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 706457
Amount: 0.935361
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:42:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

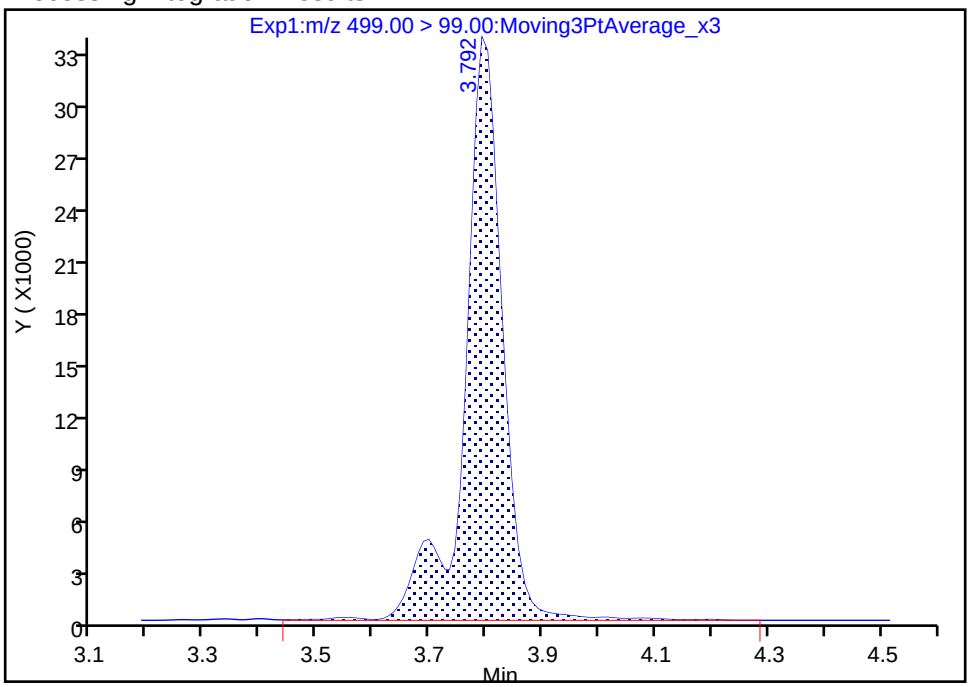
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

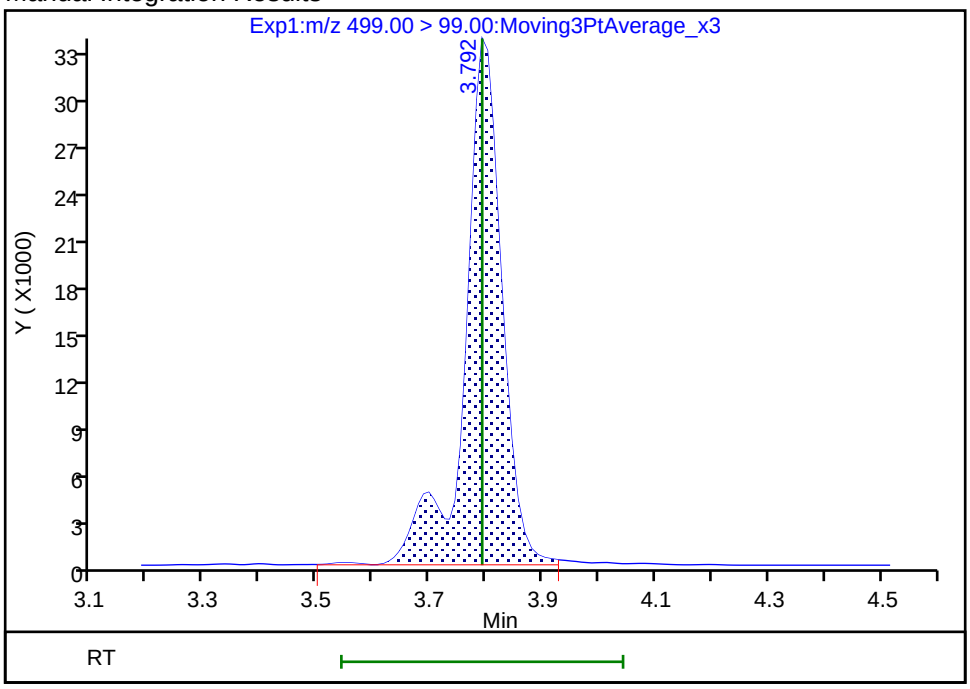
Processing Integration Results

RT: 3.79
Area: 156912
Amount: 0.972713
Amount Units: ng/ml



Manual Integration Results

RT: 3.79
Area: 154147
Amount: 0.935361
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:42:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

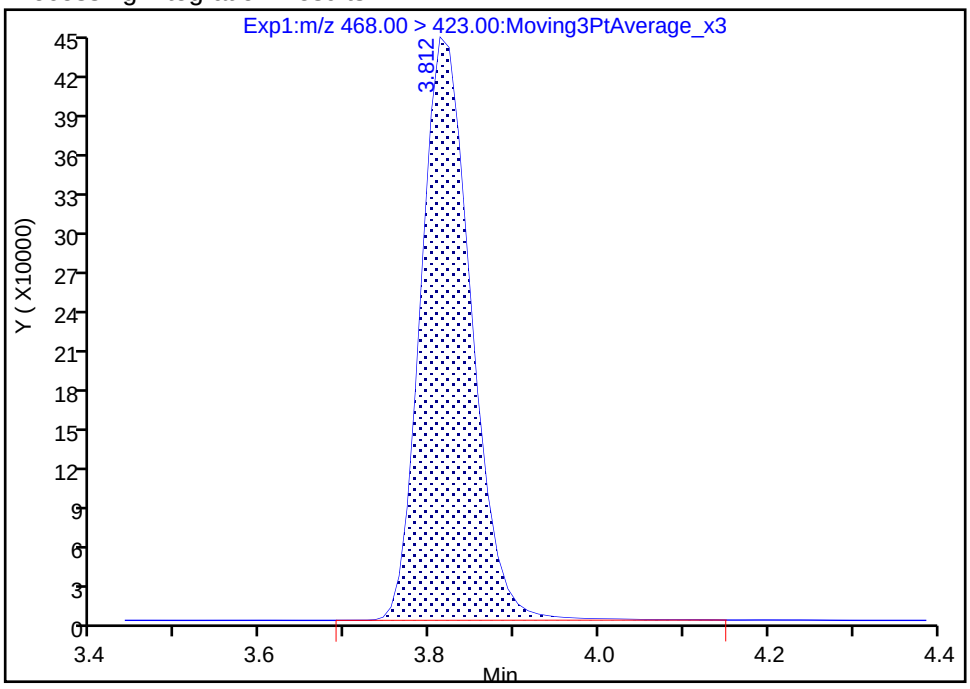
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

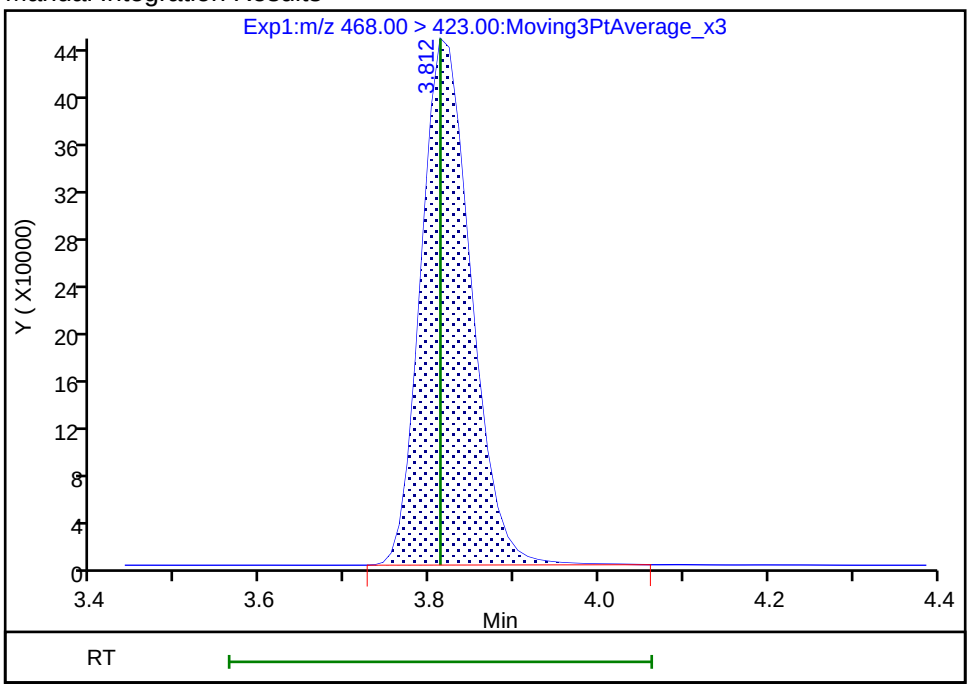
Processing Integration Results

RT: 3.81
Area: 1840359
Amount: 1.236116
Amount Units: ng/ml



Manual Integration Results

RT: 3.81
Area: 1836527
Amount: 1.233542
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:39:58
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

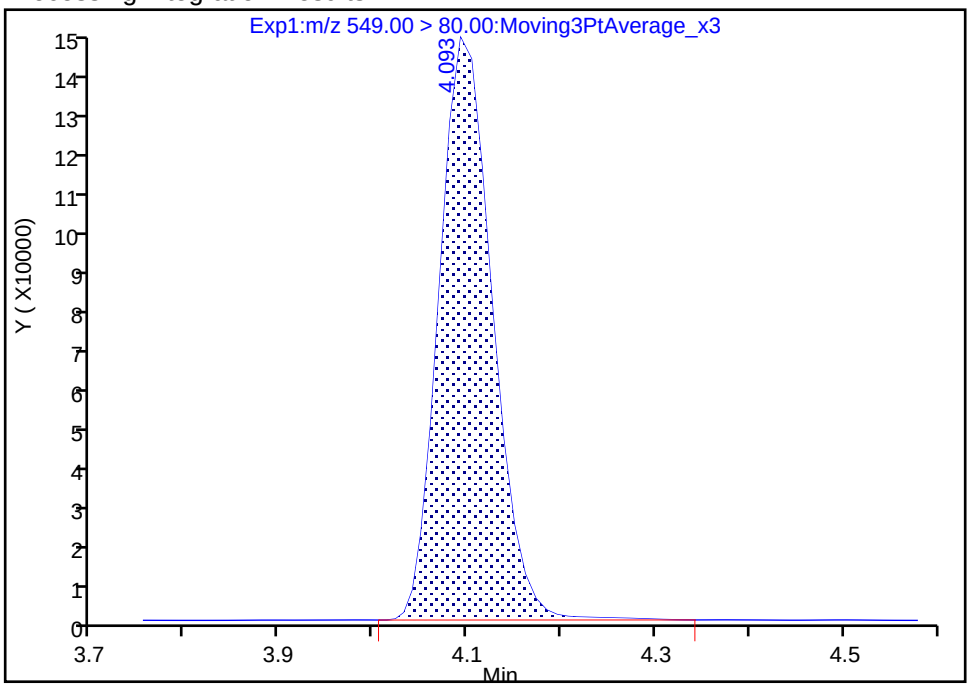
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

68 Perfluorononanesulfonic acid, CAS: 68259-12-1

Signal: 1

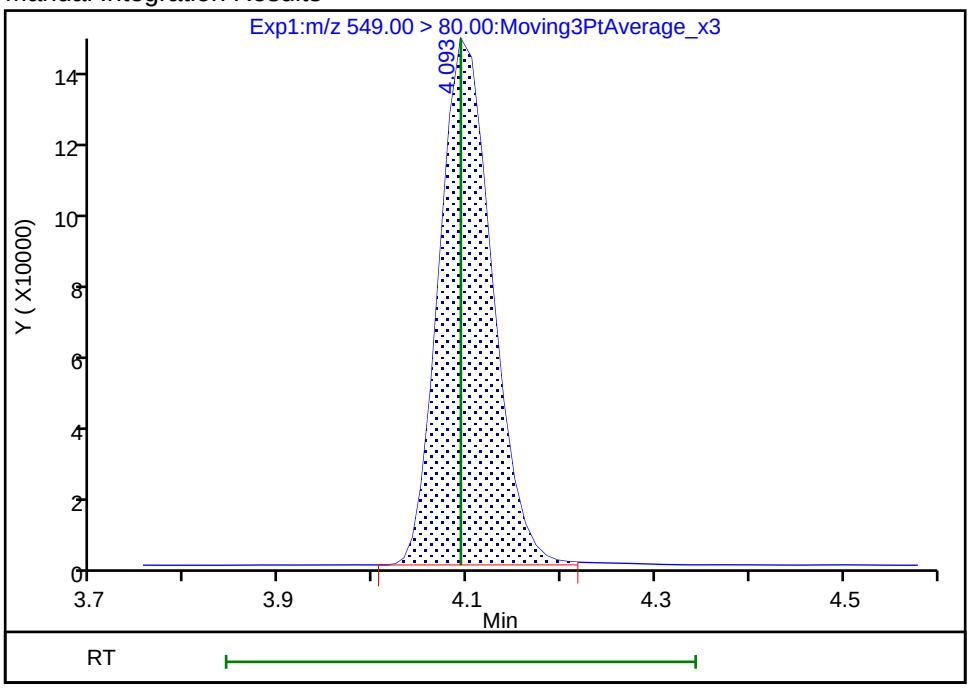
Processing Integration Results

RT: 4.09
Area: 569425
Amount: 0.976956
Amount Units: ng/ml



Manual Integration Results

RT: 4.09
Area: 566942
Amount: 0.972696
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:43:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

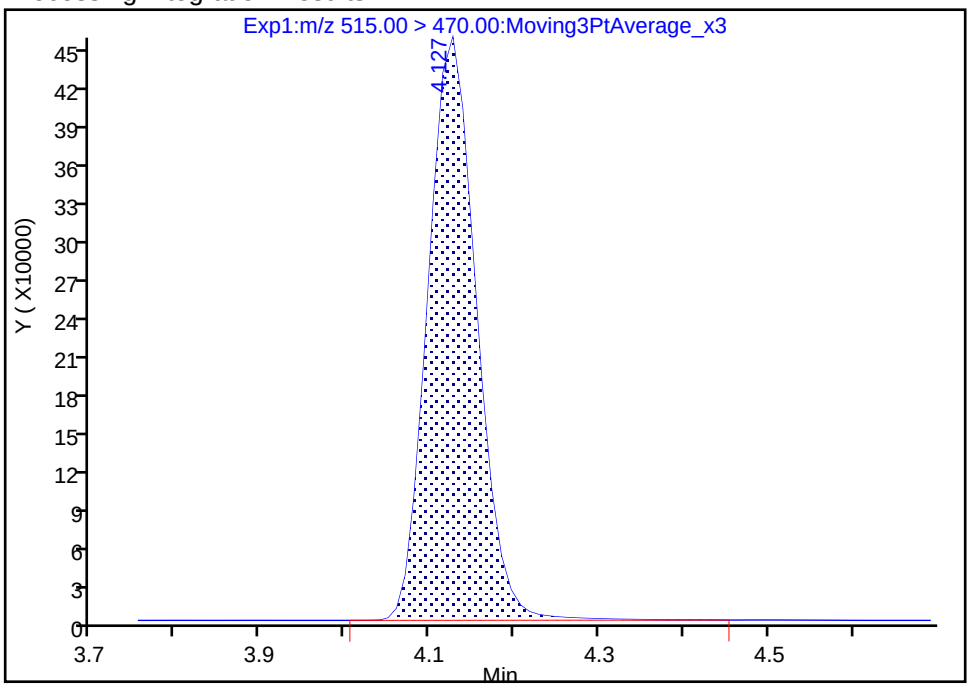
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

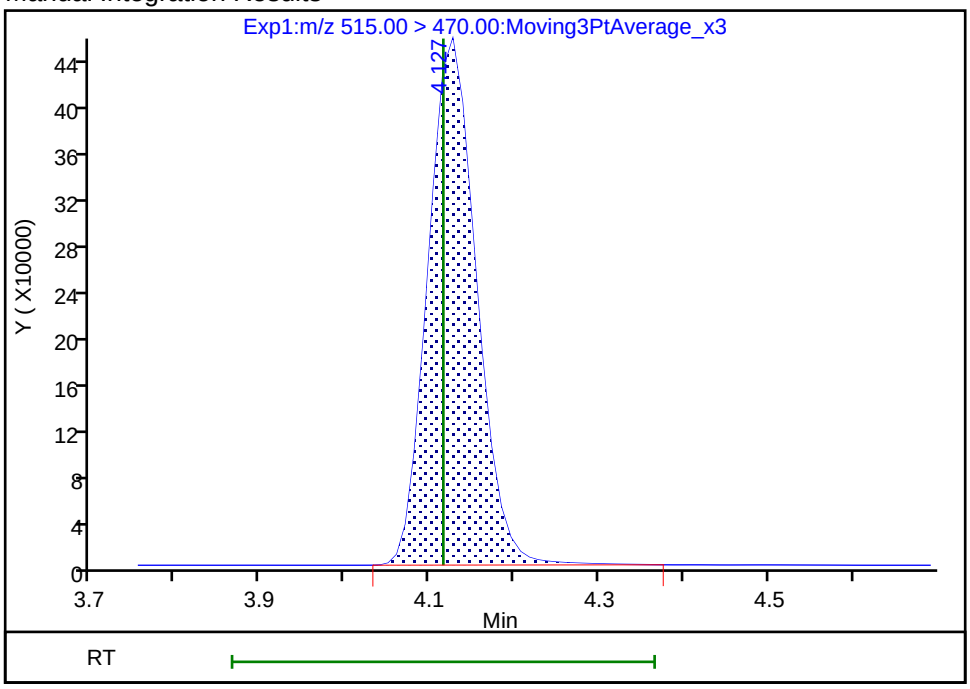
Processing Integration Results

RT: 4.13
Area: 1817074
Amount: 1.254041
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 1814177
Amount: 1.252041
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:40:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

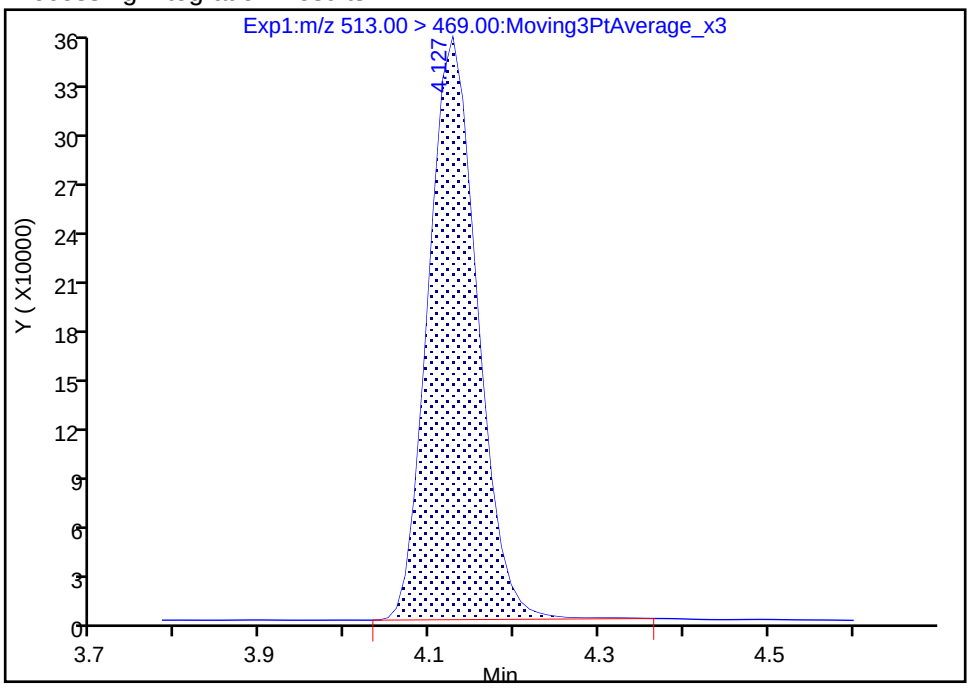
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

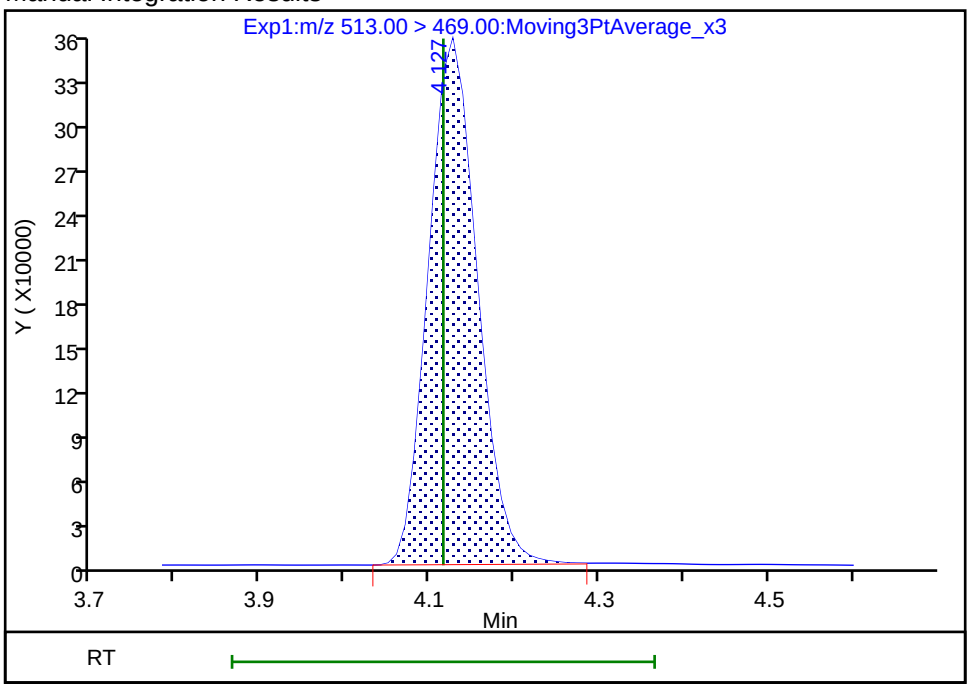
Processing Integration Results

RT: 4.13
Area: 1419349
Amount: 0.929883
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 1417910
Amount: 0.928940
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:43:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

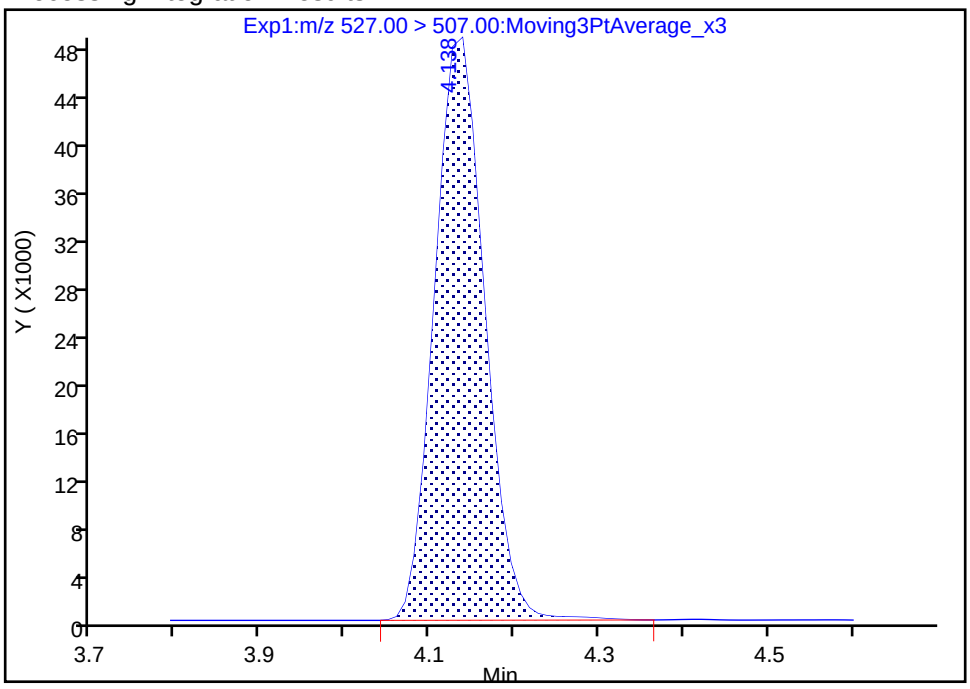
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

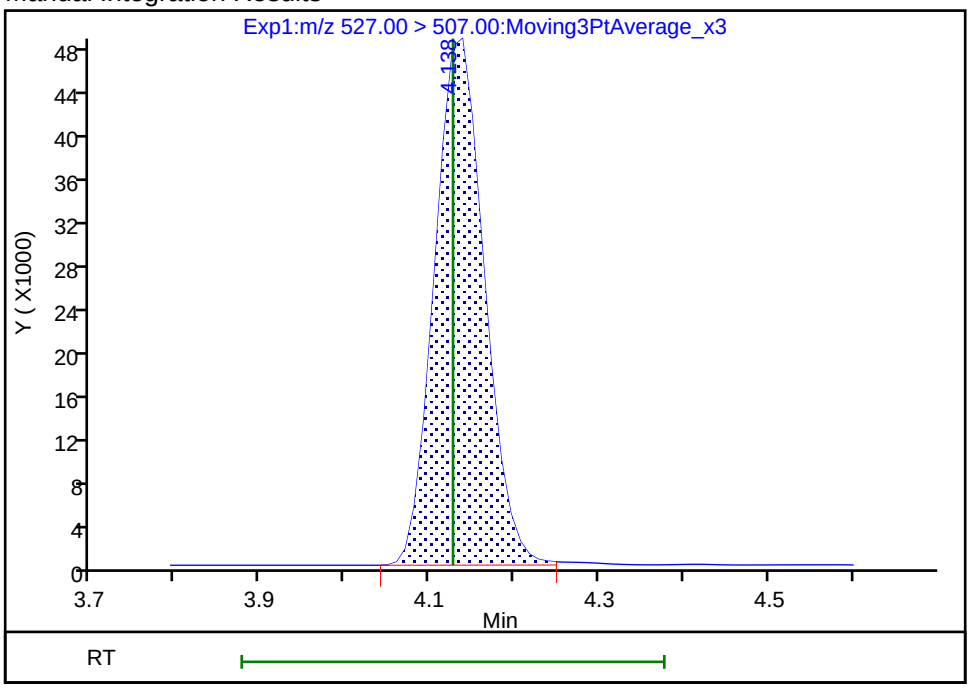
Processing Integration Results

RT: 4.14
Area: 200150
Amount: 0.928237
Amount Units: ng/ml



Manual Integration Results

RT: 4.14
Area: 199236
Amount: 0.923998
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:43:16
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

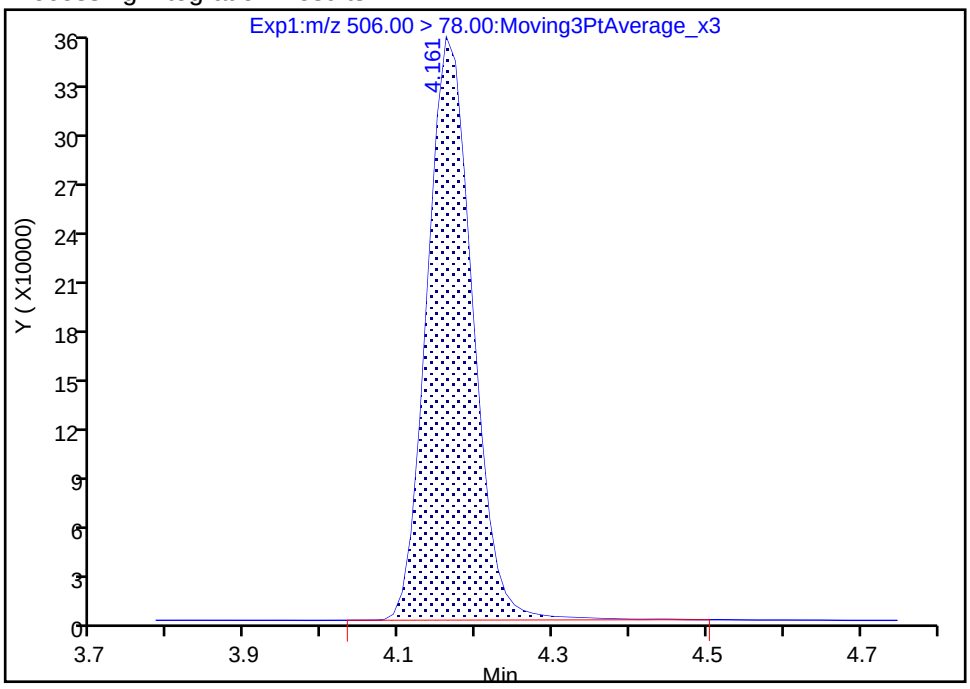
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

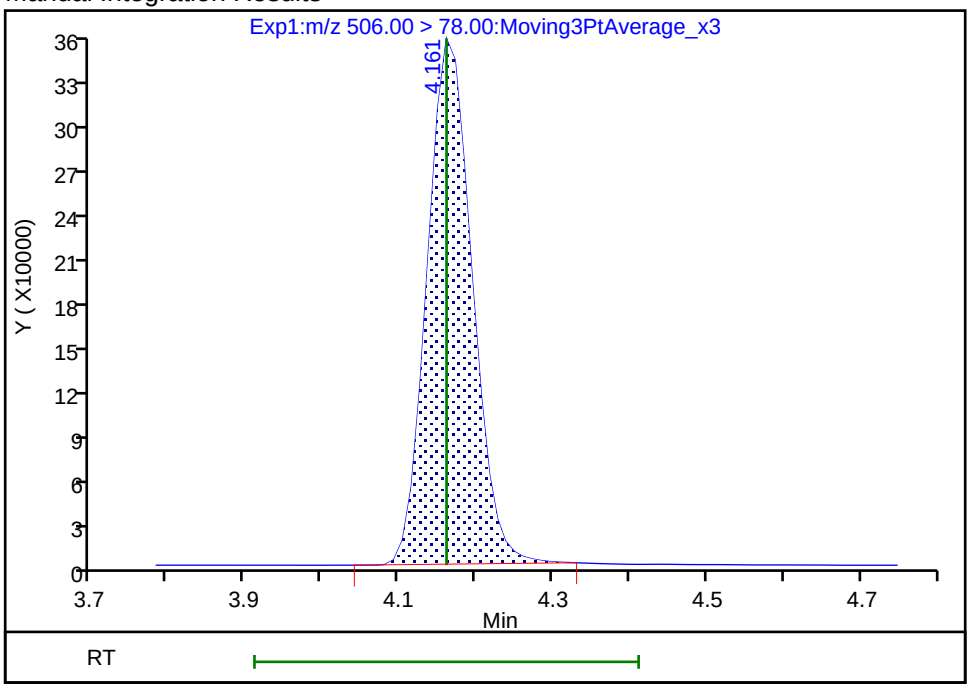
Processing Integration Results

RT: 4.16
Area: 1452443
Amount: 1.145298
Amount Units: ng/ml



Manual Integration Results

RT: 4.16
Area: 1436115
Amount: 1.132423
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:16:15
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

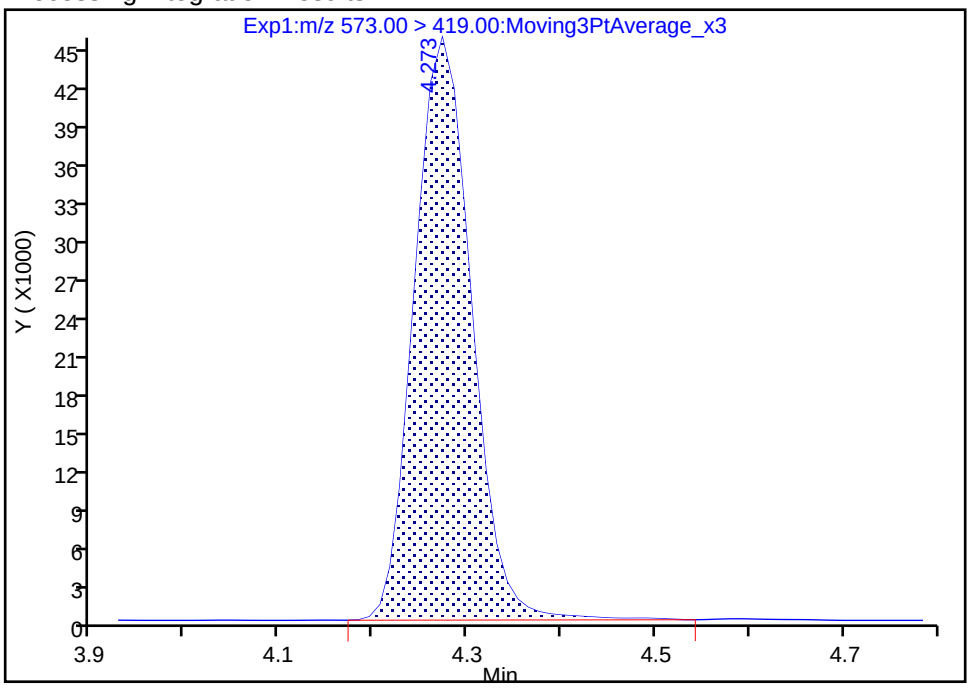
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d				
Injection Date:	04-Aug-2022 16:53:05	Instrument ID:	LC812		
Lims ID:	CCV L4				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

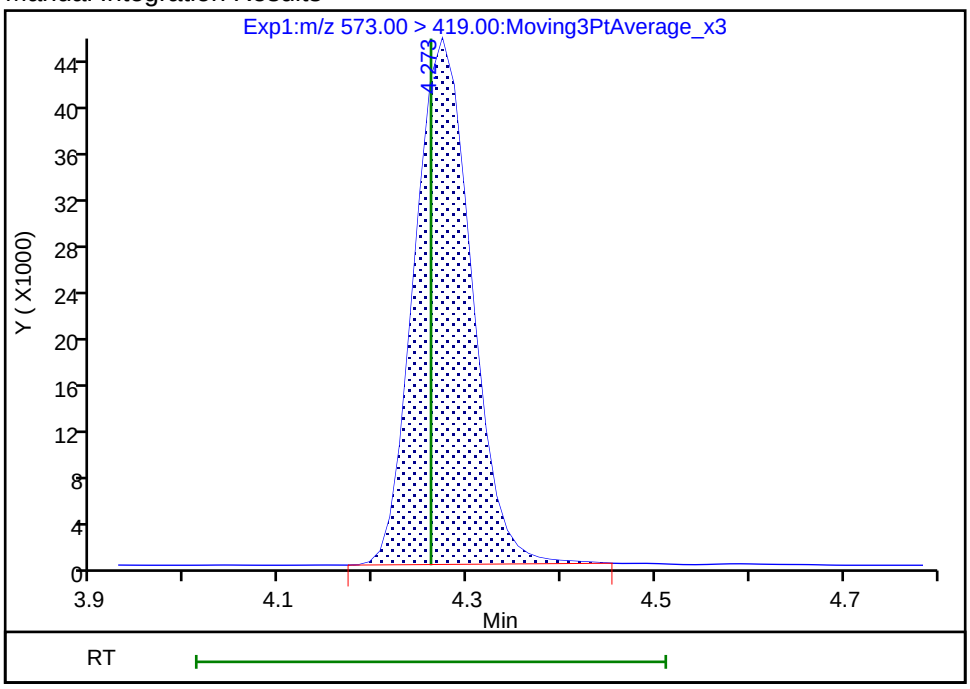
Processing Integration Results

RT: 4.27
Area: 191008
Amount: 0.983521
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 189473
Amount: 0.975617
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:17:01

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

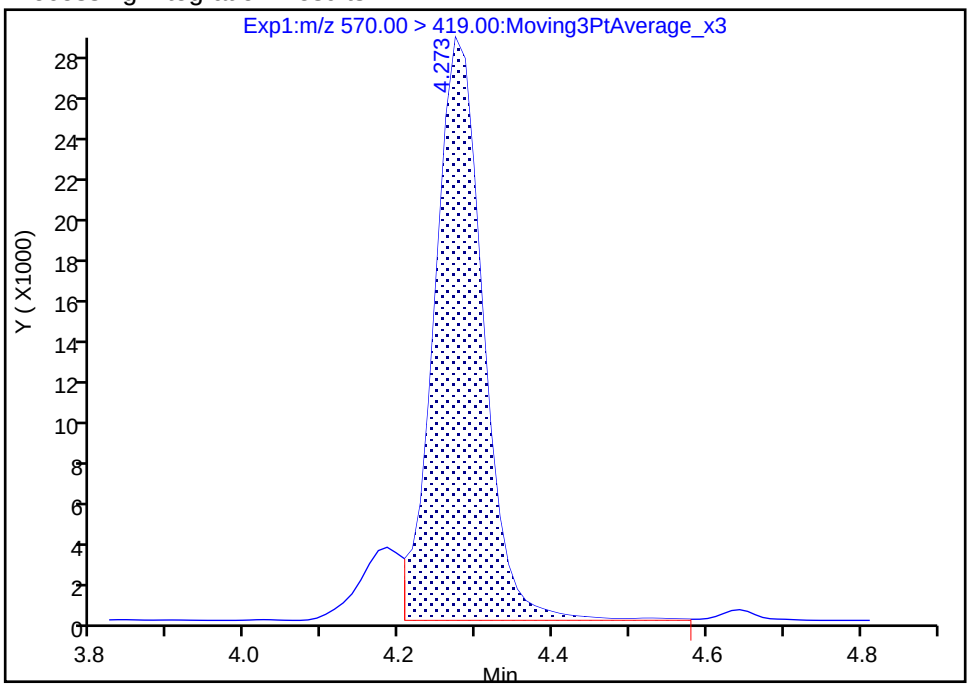
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

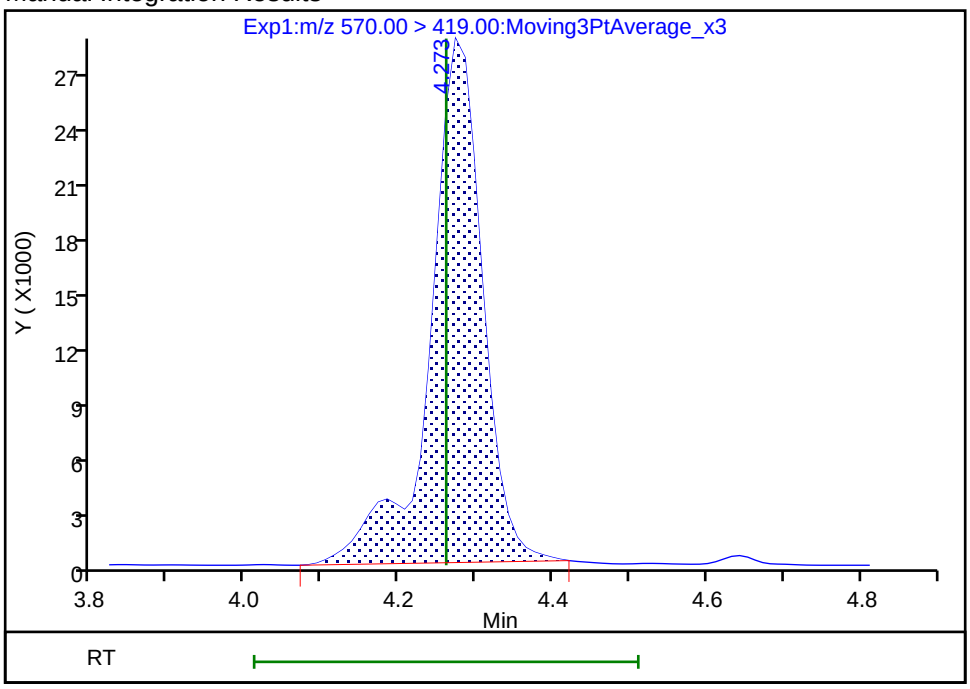
Processing Integration Results

RT: 4.27
Area: 124884
Amount: 0.920233
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 134756
Amount: 1.001022
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:16:24
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

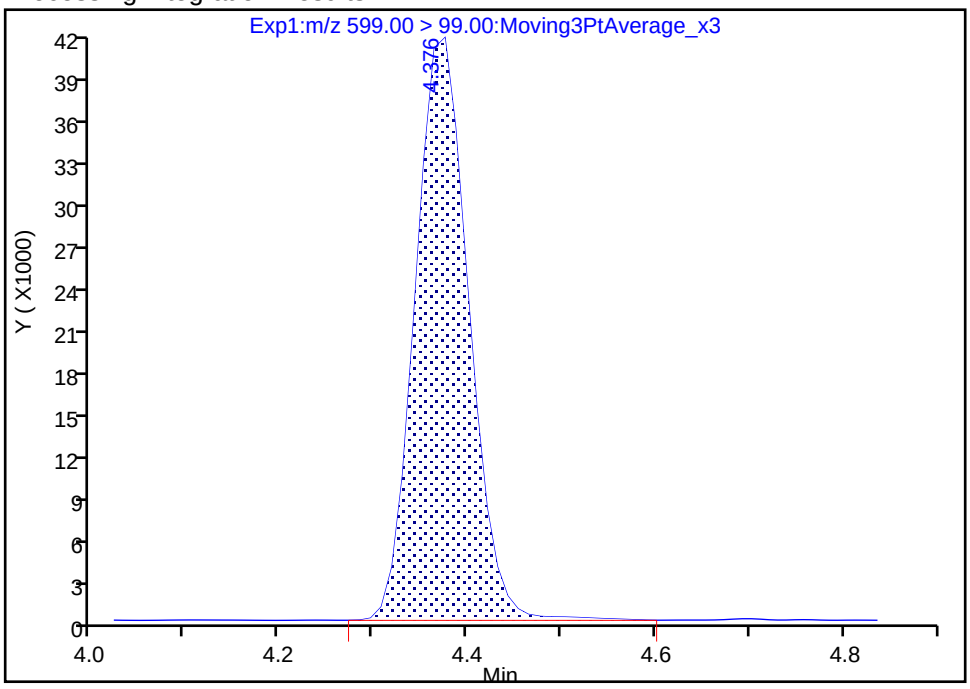
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

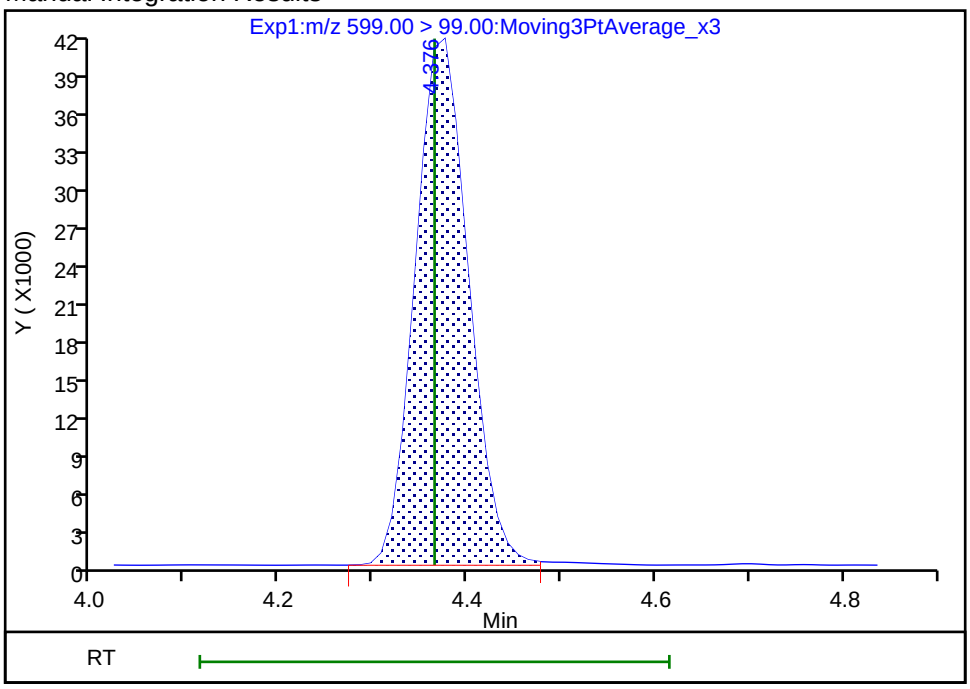
Processing Integration Results

RT: 4.38
Area: 165323
Amount: 0.952269
Amount Units: ng/ml



Manual Integration Results

RT: 4.38
Area: 164284
Amount: 0.952269
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:43:34
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

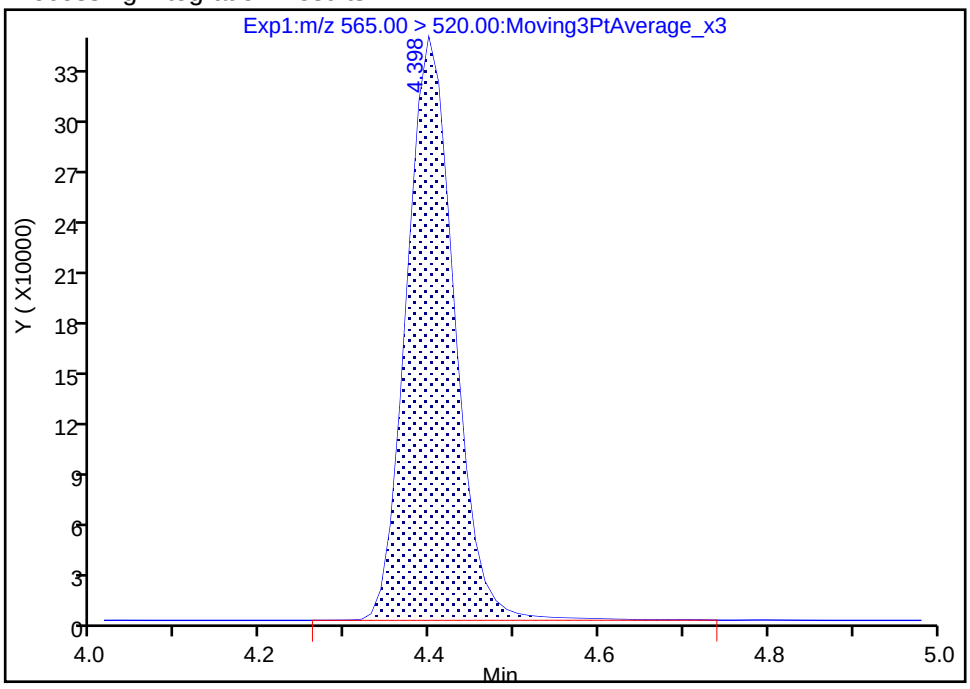
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

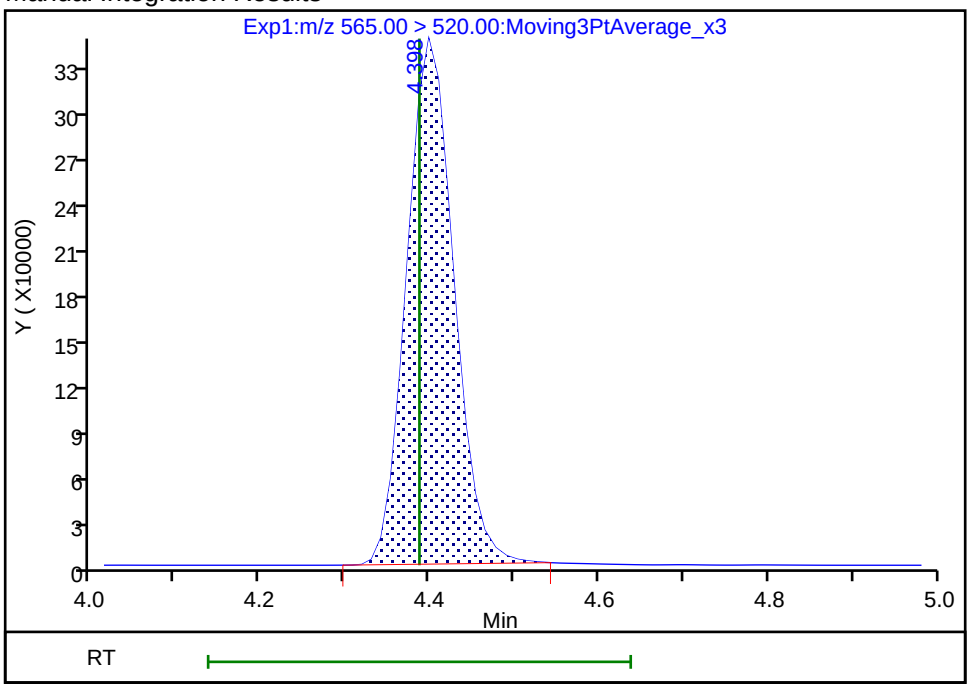
Processing Integration Results

RT: 4.40
Area: 1356918
Amount: 1.235971
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 1338144
Amount: 1.218871
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:17:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

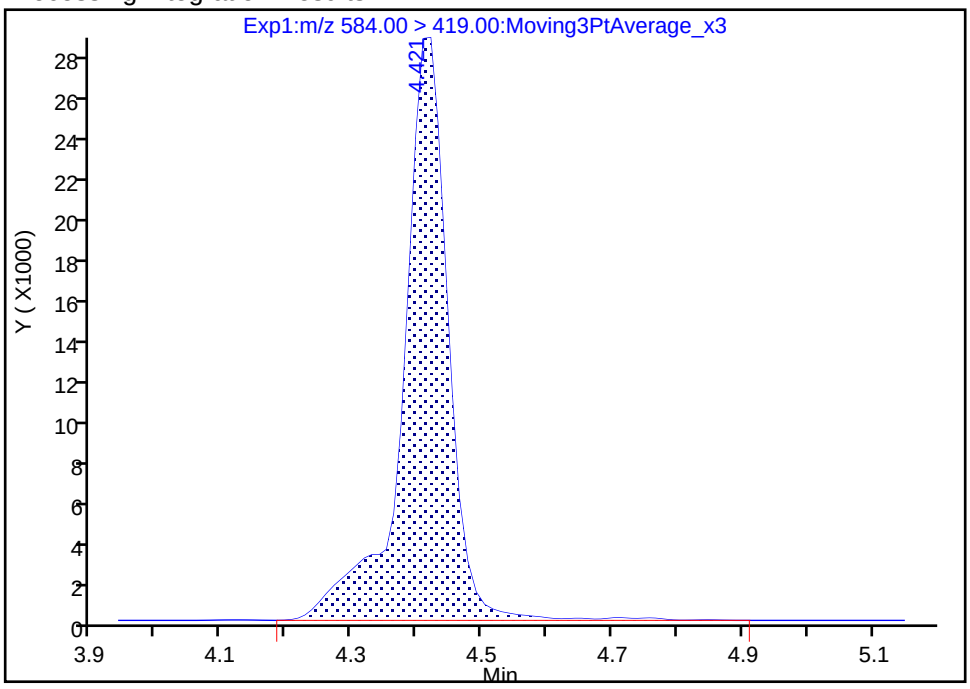
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

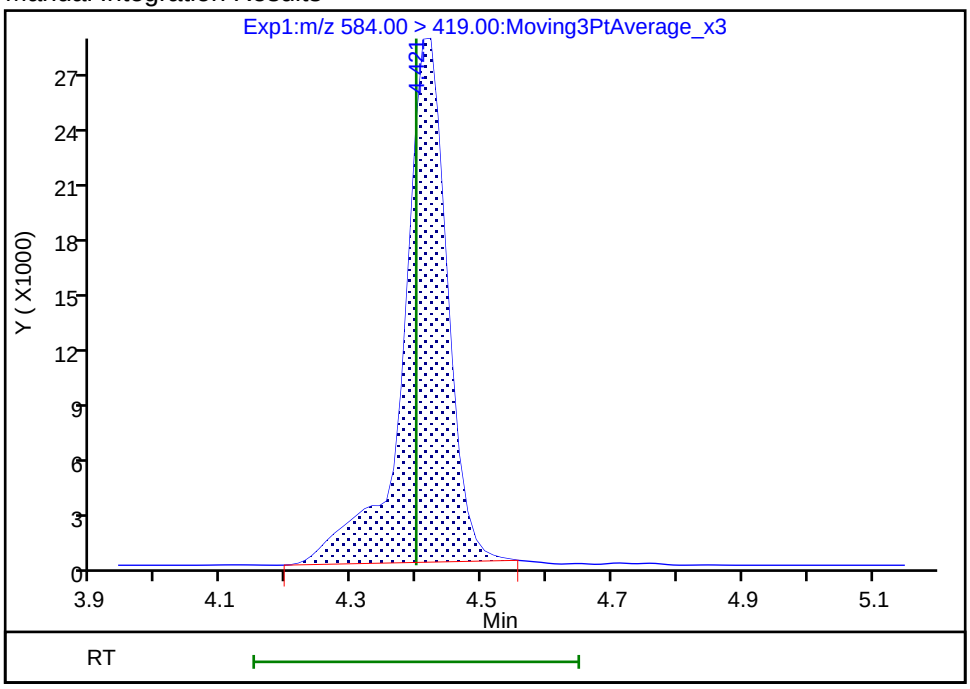
Processing Integration Results

RT: 4.42
Area: 139158
Amount: 1.054842
Amount Units: ng/ml



Manual Integration Results

RT: 4.42
Area: 134662
Amount: 1.020761
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:17:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

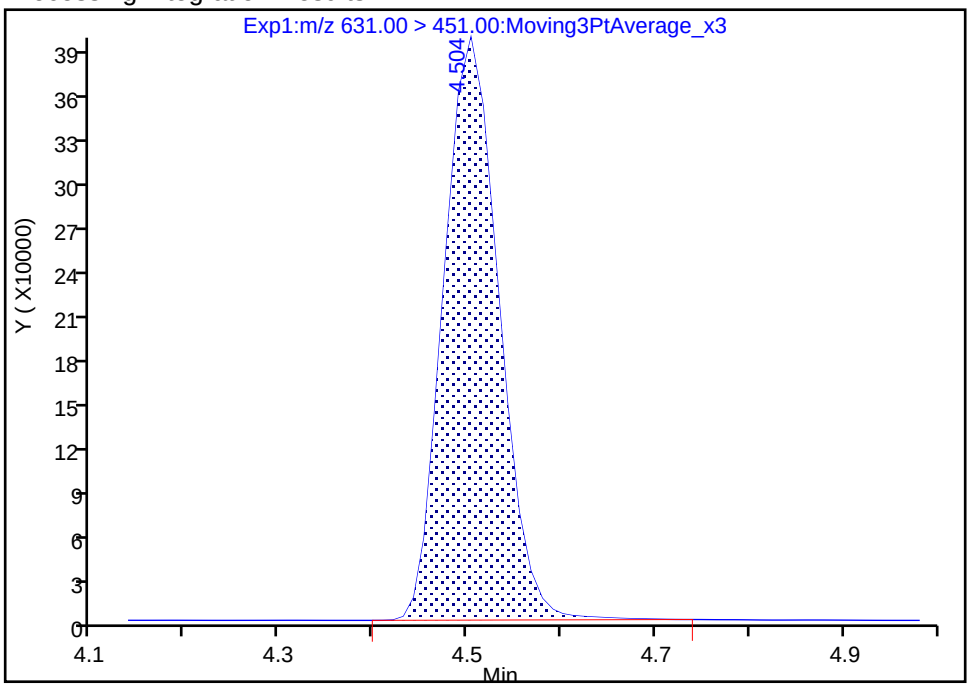
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

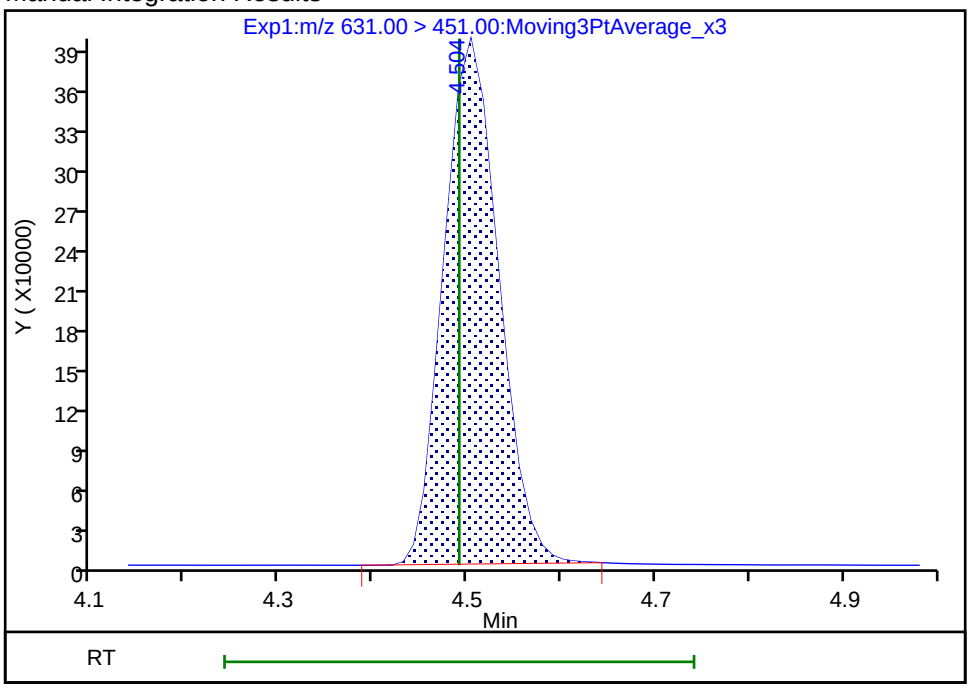
Processing Integration Results

RT: 4.50
Area: 1601102
Amount: 0.935472
Amount Units: ng/ml



Manual Integration Results

RT: 4.50
Area: 1586419
Amount: 0.926894
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:17:20
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

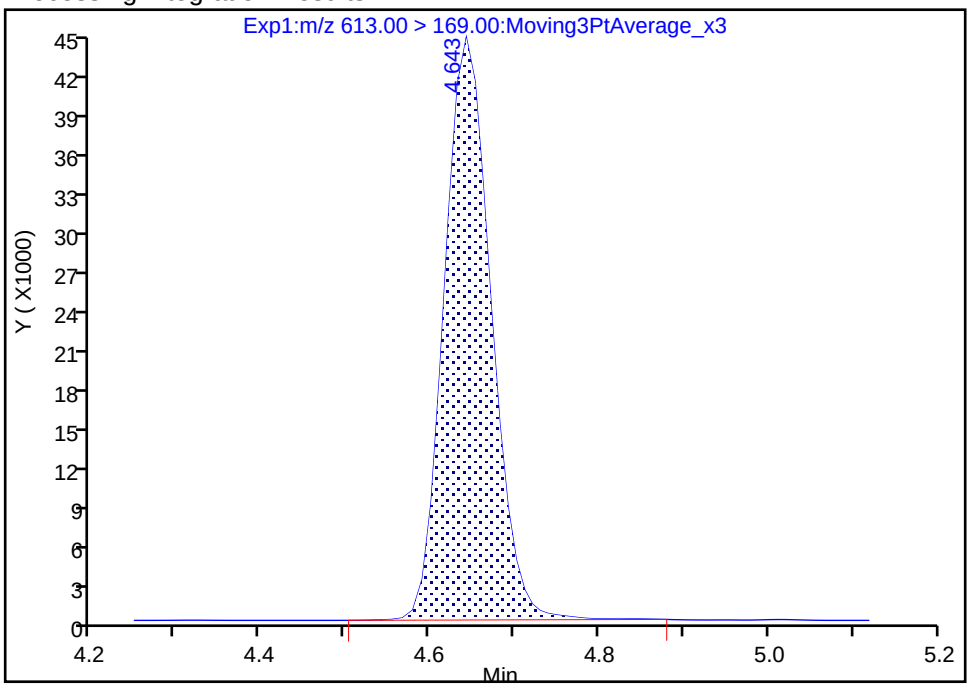
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

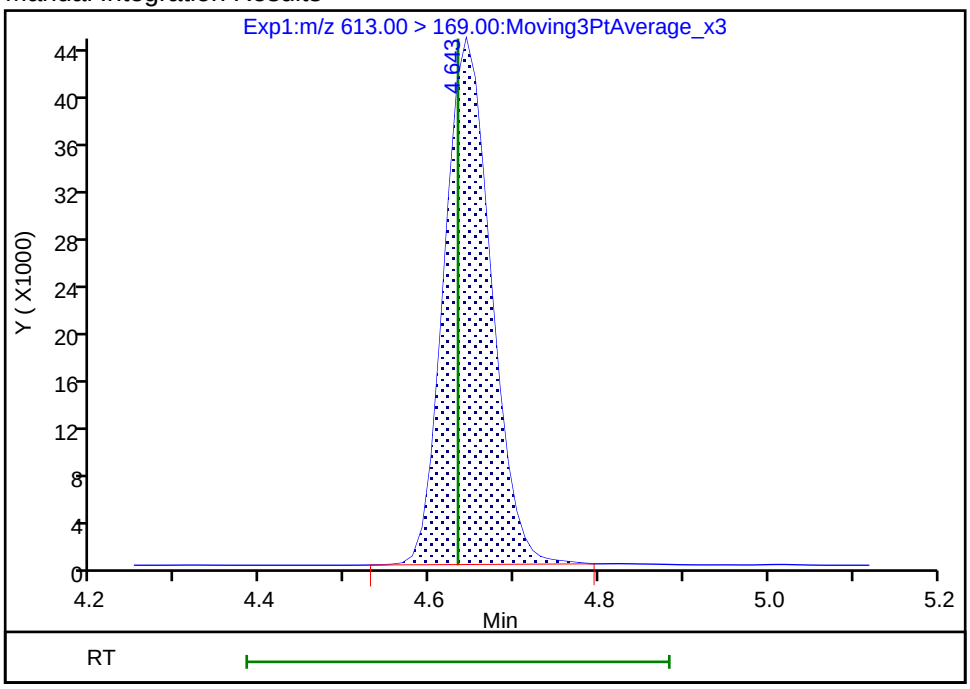
Processing Integration Results

RT: 4.64
Area: 171464
Amount: 0.990235
Amount Units: ng/ml



Manual Integration Results

RT: 4.64
Area: 170616
Amount: 0.976591
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:43:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

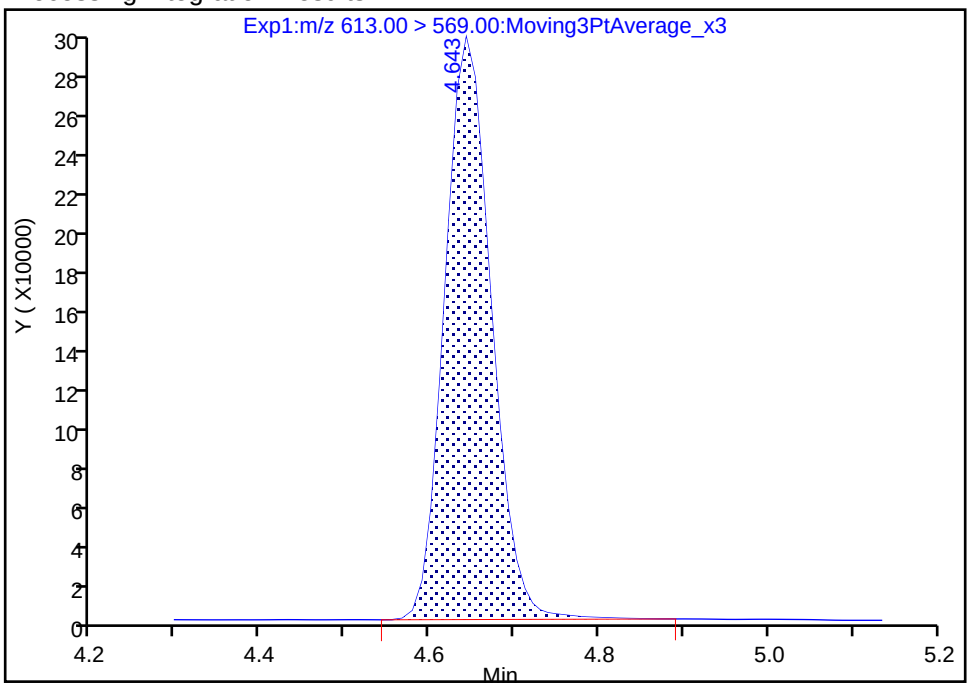
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

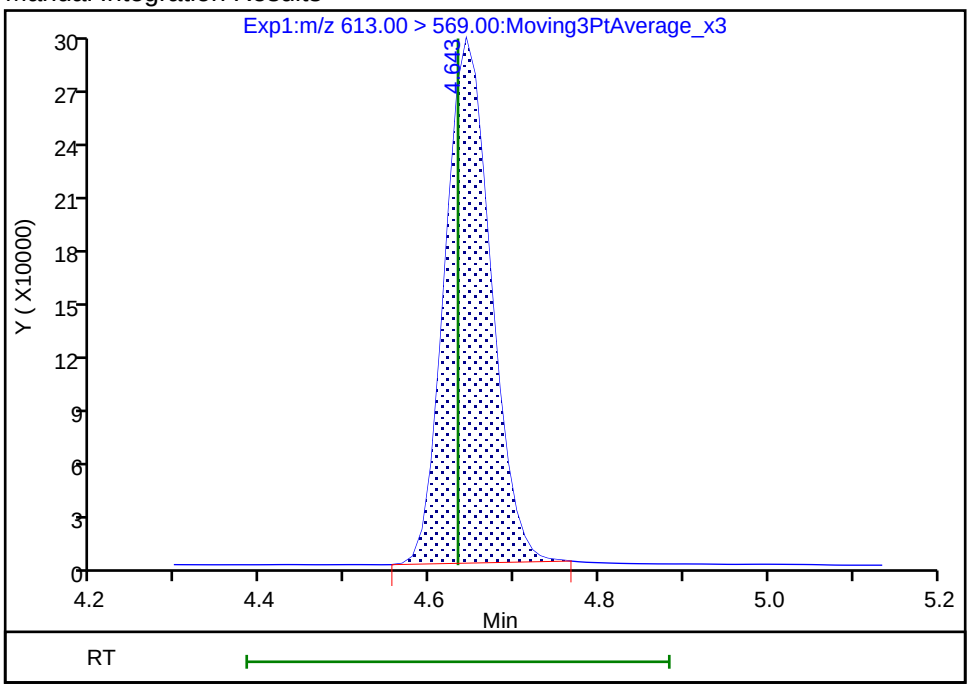
Processing Integration Results

RT: 4.64
Area: 1139123
Amount: 0.990235
Amount Units: ng/ml



Manual Integration Results

RT: 4.64
Area: 1123428
Amount: 0.976591
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:17:27
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

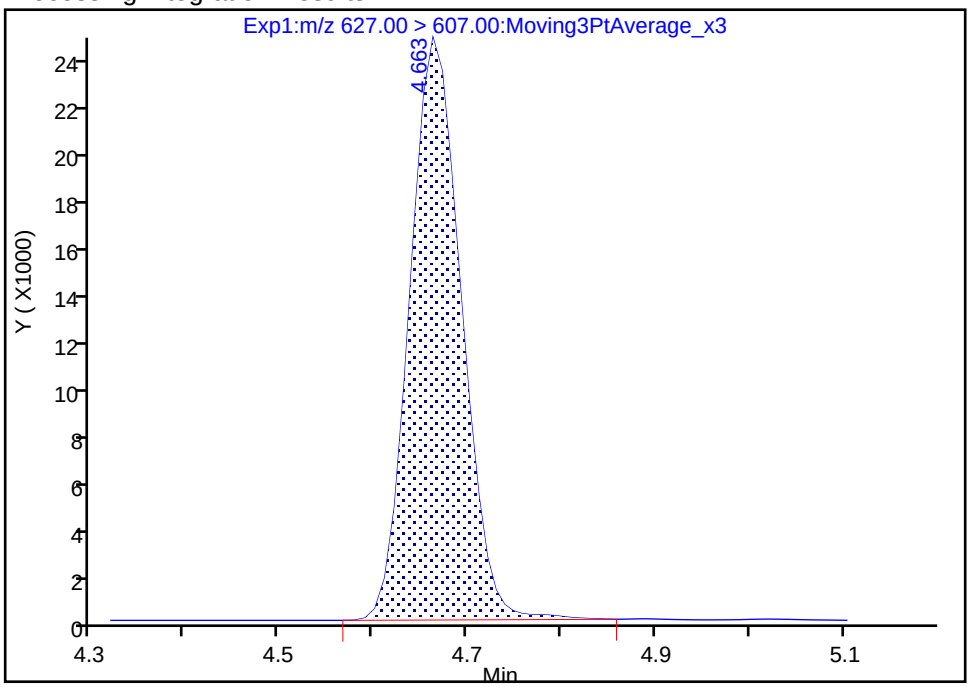
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

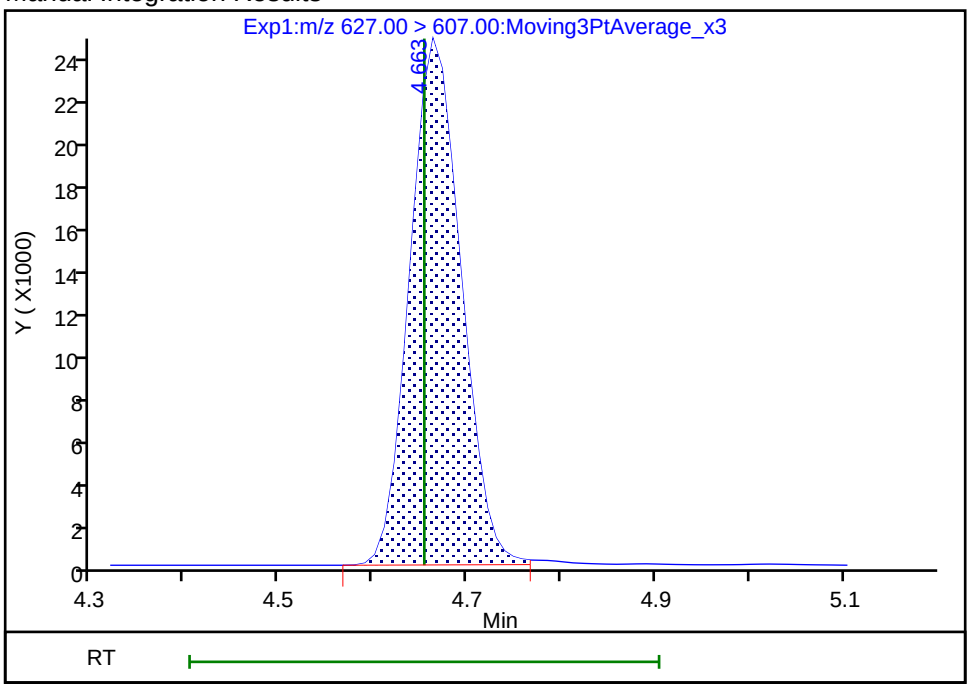
Processing Integration Results

RT: 4.66
Area: 95024
Amount: 0.943320
Amount Units: ng/ml



Manual Integration Results

RT: 4.66
Area: 94494
Amount: 0.938059
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:44:02
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

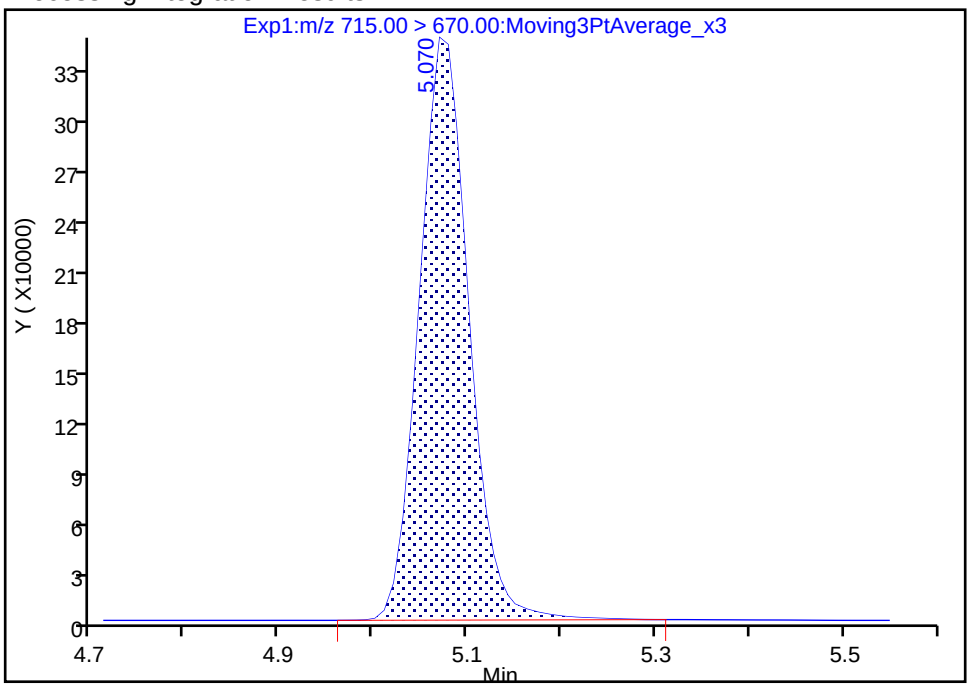
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

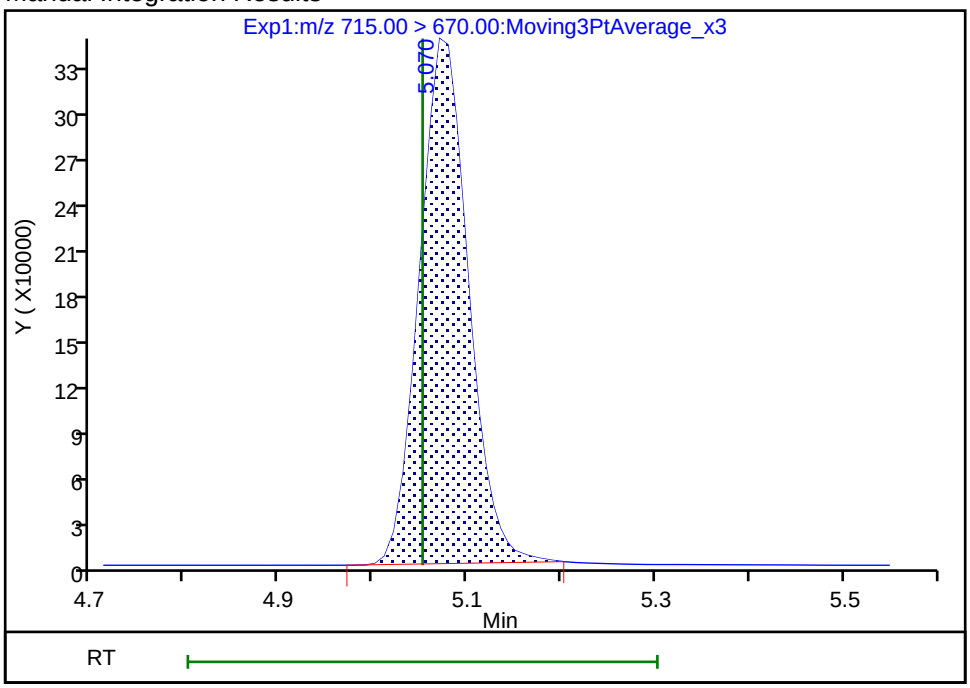
Processing Integration Results

RT: 5.07
Area: 1273191
Amount: 1.369036
Amount Units: ng/ml



Manual Integration Results

RT: 5.07
Area: 1254366
Amount: 1.348794
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:17:38
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

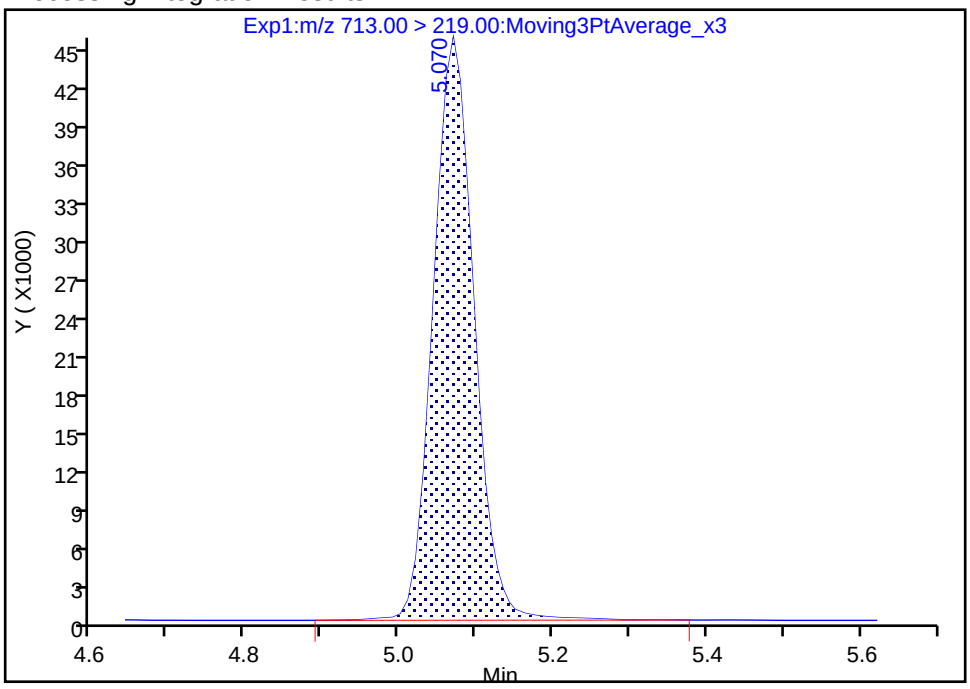
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

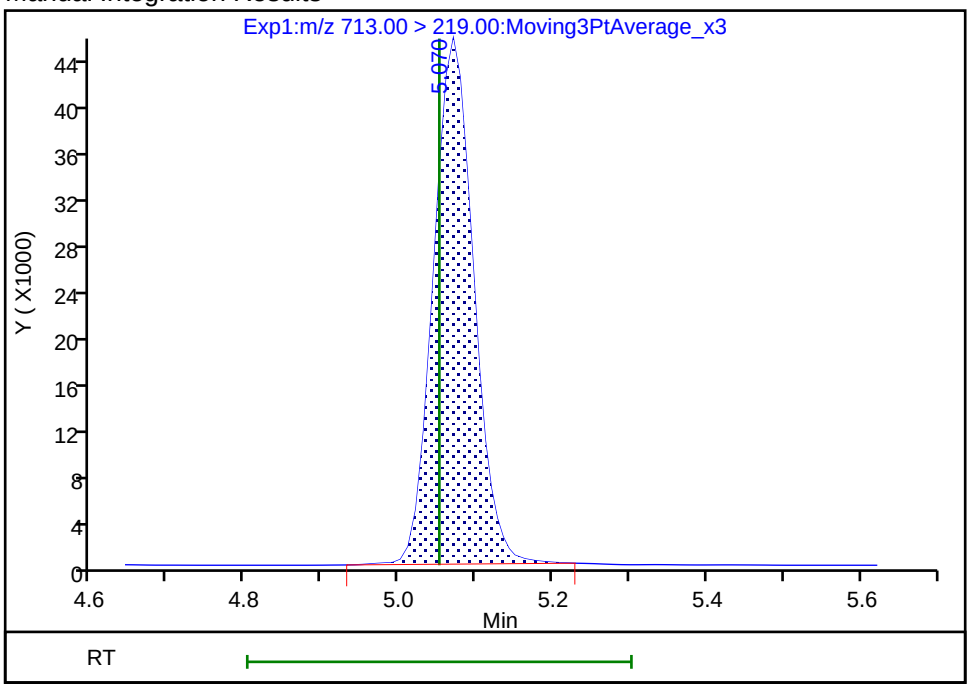
Processing Integration Results

RT: 5.07
Area: 168076
Amount: 1.001185
Amount Units: ng/ml



Manual Integration Results

RT: 5.07
Area: 165988
Amount: 0.989813
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:44:17
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

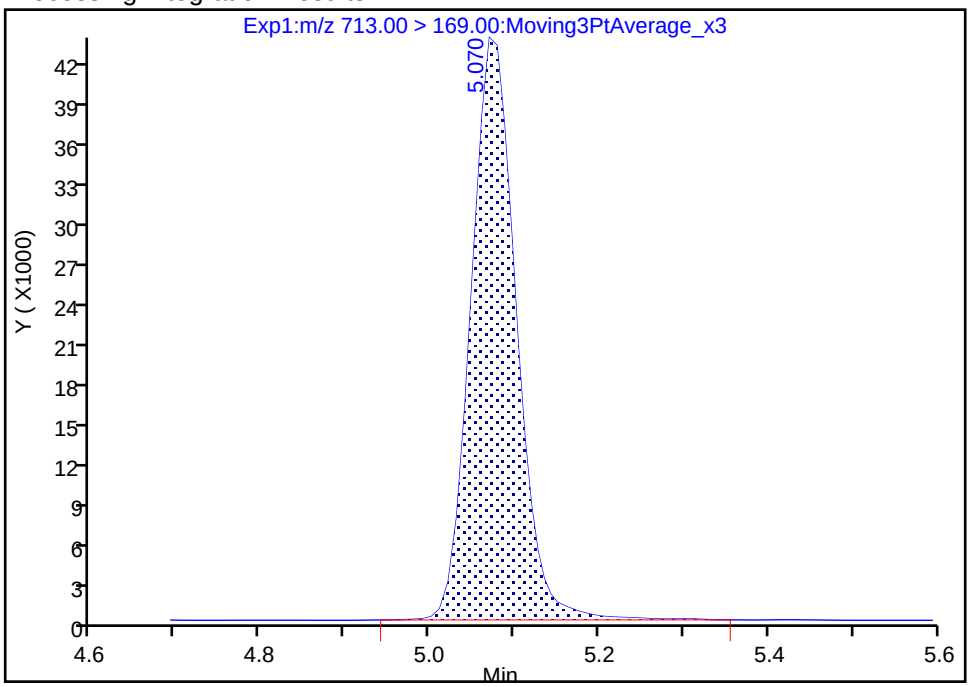
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

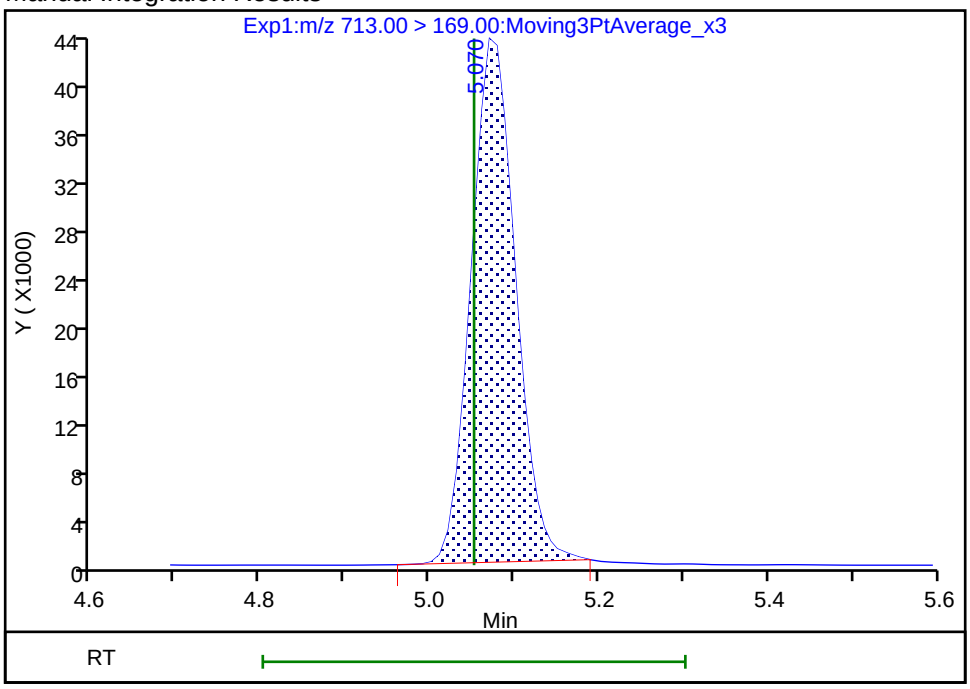
Processing Integration Results

RT: 5.07
Area: 163377
Amount: 1.001185
Amount Units: ng/ml



Manual Integration Results

RT: 5.07
Area: 159133
Amount: 0.989813
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:17:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

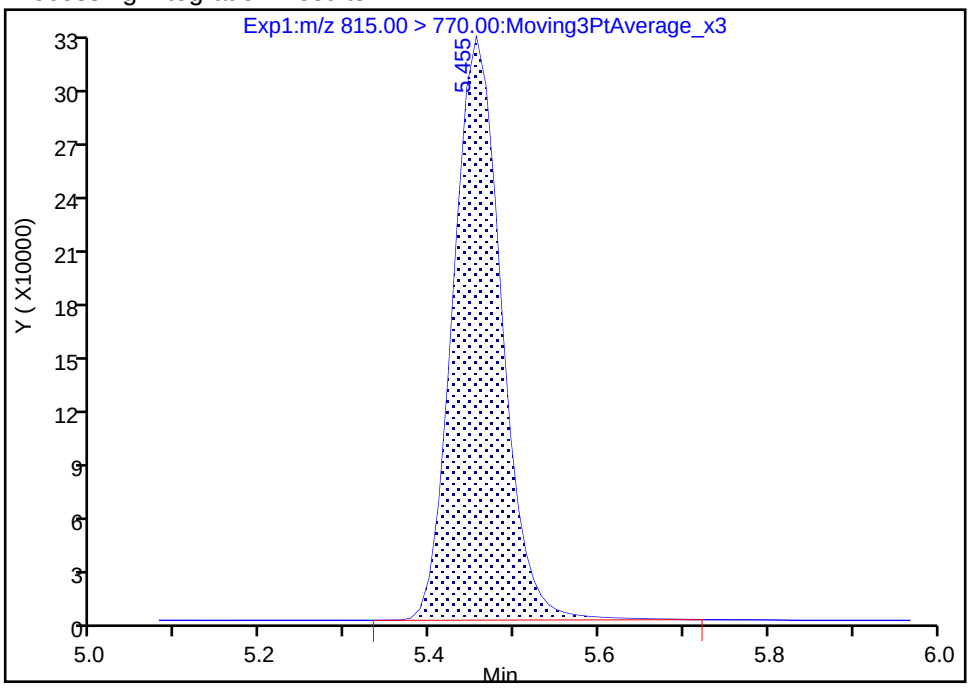
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

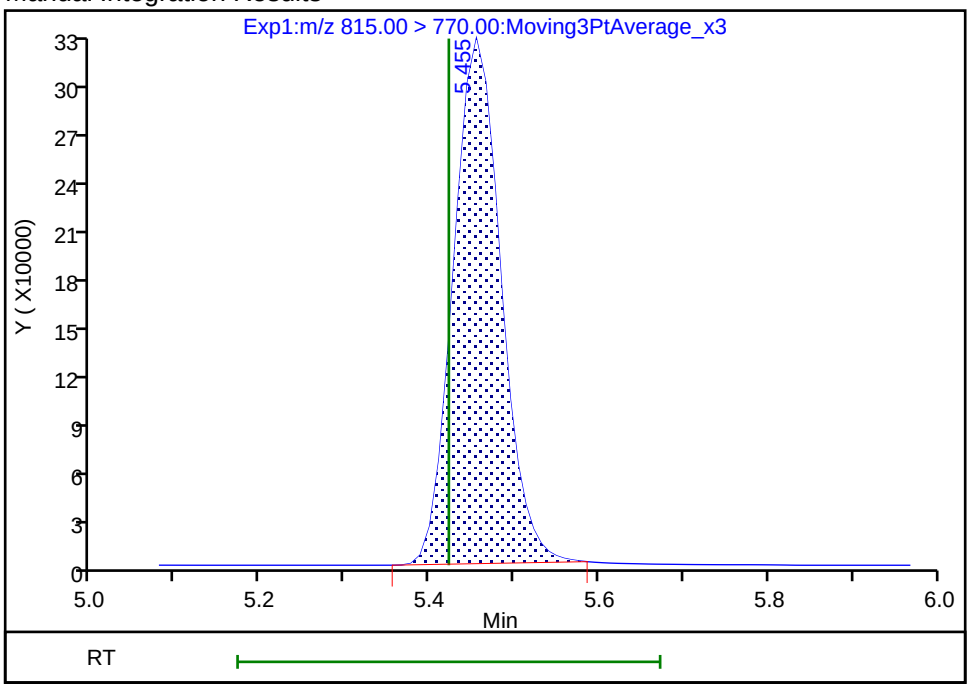
Processing Integration Results

RT: 5.45
Area: 1280556
Amount: 1.208783
Amount Units: ng/ml



Manual Integration Results

RT: 5.45
Area: 1262122
Amount: 1.191382
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:17:51
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

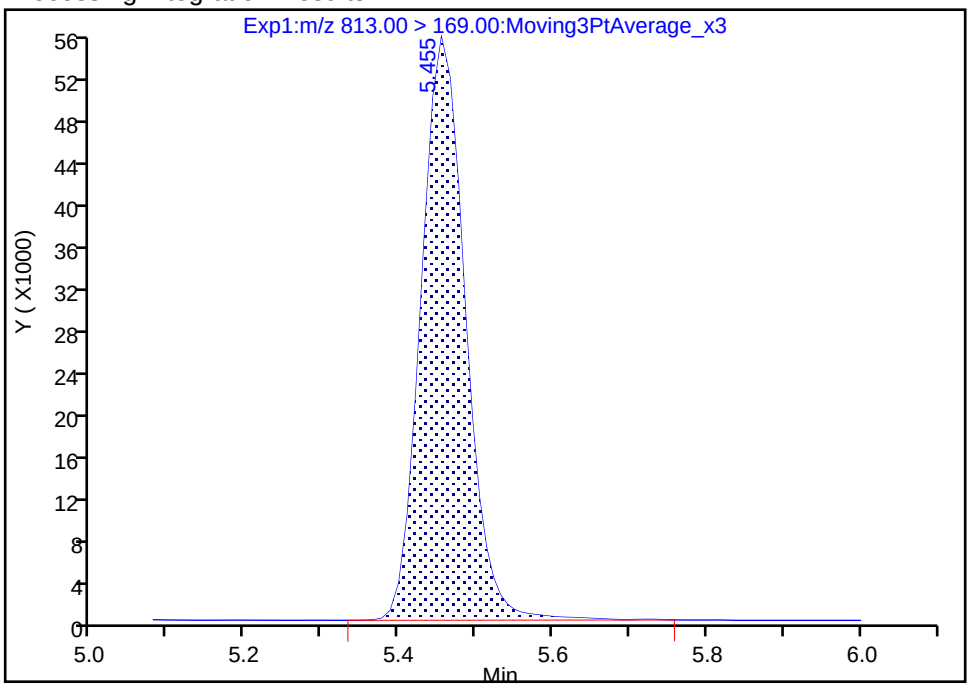
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

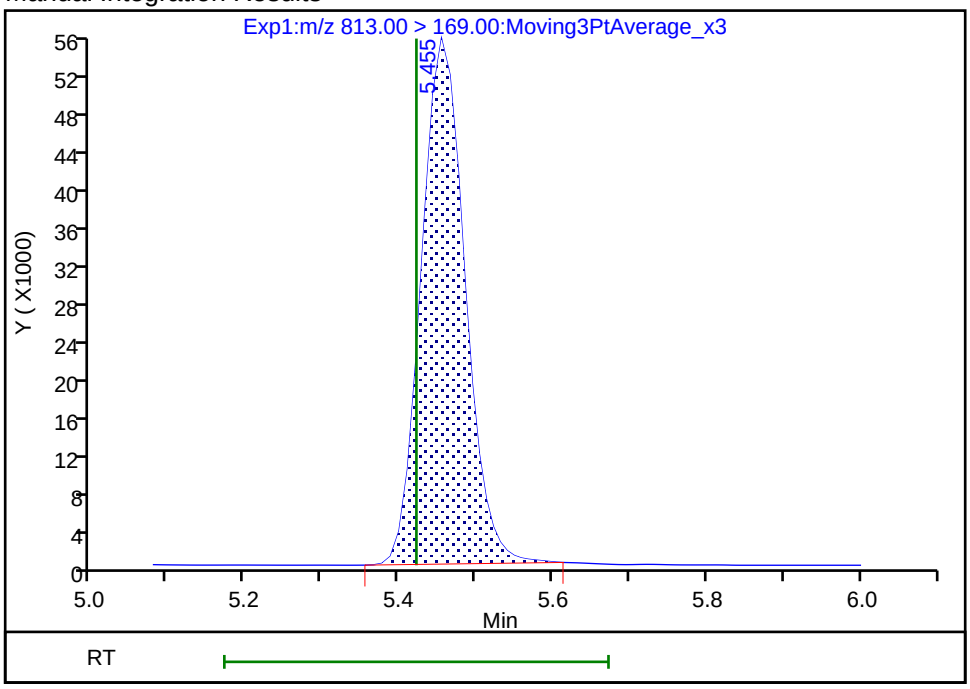
Processing Integration Results

RT: 5.45
Area: 221162
Amount: 1.008729
Amount Units: ng/ml



Manual Integration Results

RT: 5.45
Area: 218235
Amount: 1.023765
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:44:22
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

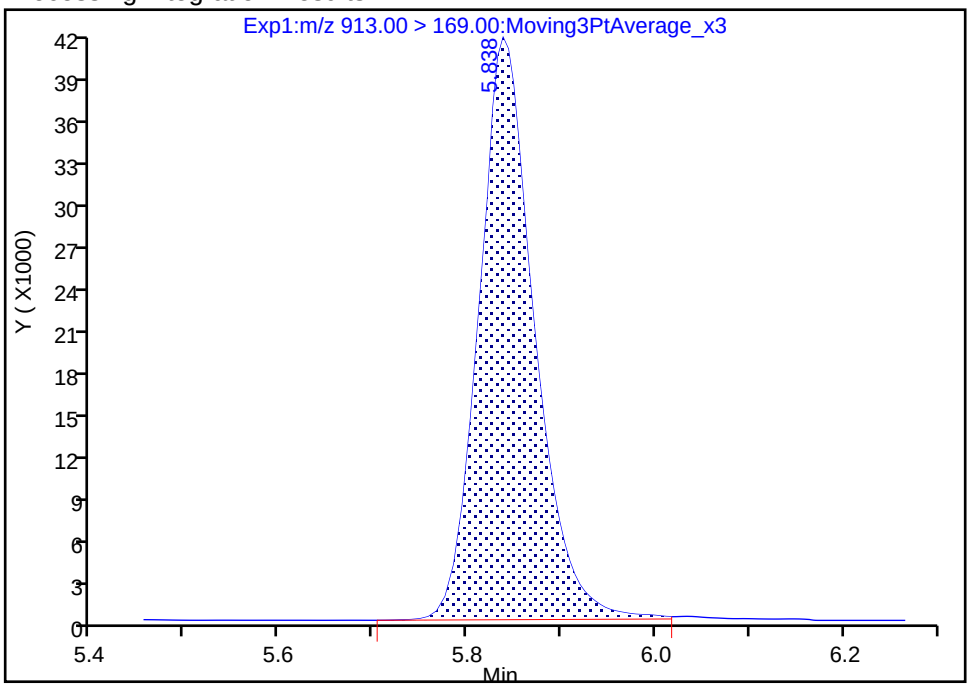
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d
Injection Date: 04-Aug-2022 16:53:05 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

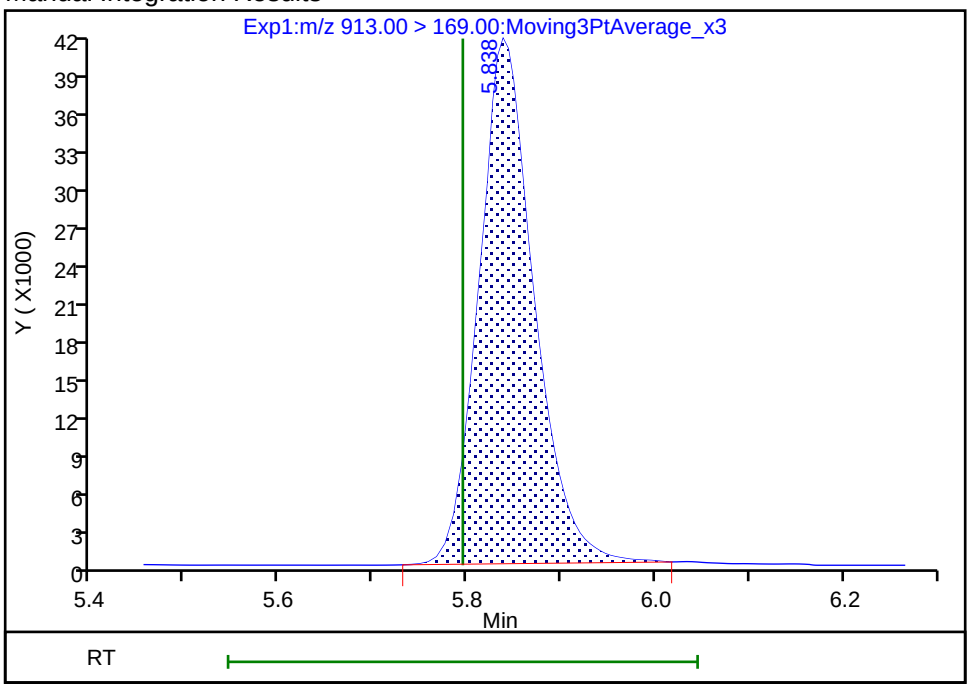
Processing Integration Results

RT: 5.84
Area: 169696
Amount: 1.071224
Amount Units: ng/ml



Manual Integration Results

RT: 5.84
Area: 168160
Amount: 1.064403
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:44:31
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

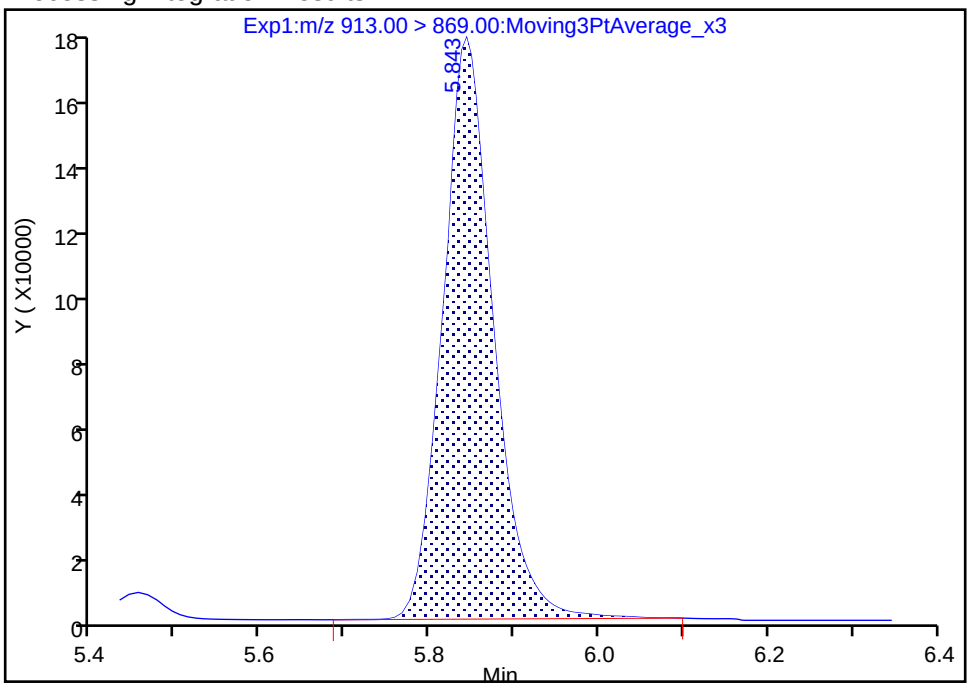
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B22.d				
Injection Date:	04-Aug-2022 16:53:05	Instrument ID:	LC812		
Lims ID:	CCV L4				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

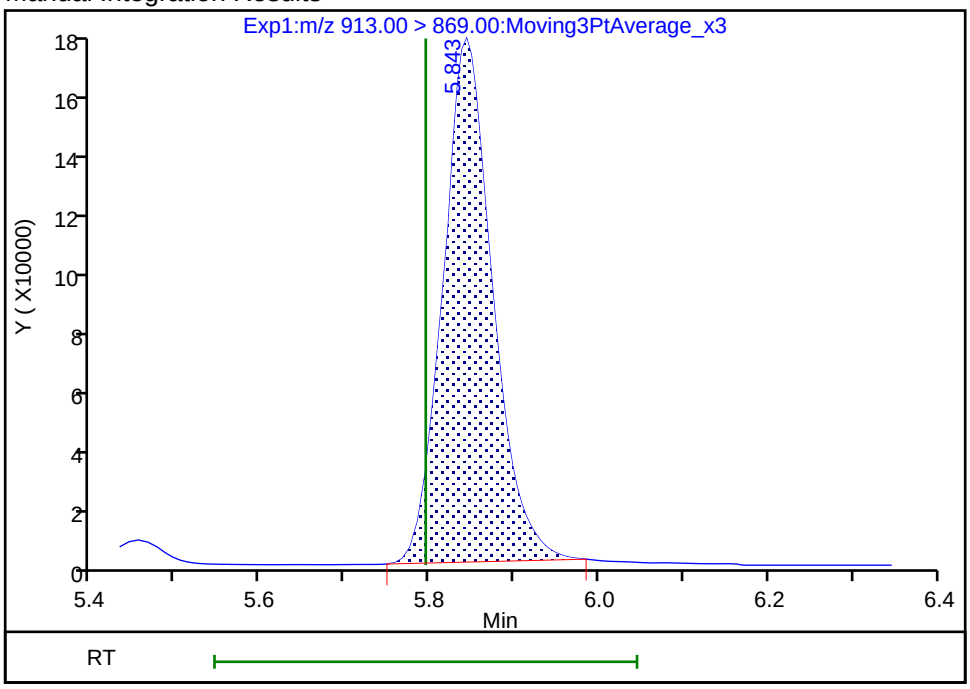
Processing Integration Results

RT: 5.84
Area: 729666
Amount: 1.071224
Amount Units: ng/ml



Manual Integration Results

RT: 5.84
Area: 714583
Amount: 1.064403
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:17:56

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Lab Sample ID: CCV 200-182386/1 Calibration Date: 08/04/2022 17:01

Instrument ID: LC812 Calib Start Date: 08/03/2022 13:00

GC Column: C-18 ID: 4.60(mm) Calib End Date: 08/03/2022 13:41

Lab File ID: PA220804C01.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	0.9697	0.8783		2.26	2.50	-9.4	
Perfluoropentanoic acid (PFPeA)	AveID	1.031	0.9502		2.30	2.50	-7.8	
Perfluorobutanesulfonic acid (PFBS)	AveID	1.104	1.038		2.08	2.21	-6.0	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	2.377	2.305		2.26	2.34	-3.0	
Perfluorohexanoic acid (PFHxA)	AveID	1.043	0.9827		2.35	2.50	-5.8	
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.297	1.198		2.17	2.35	-7.6	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.075	0.9752		2.27	2.50	-9.2	
Perfluoroheptanoic acid (PFHpA)	AveID	1.031	0.9543		2.32	2.50	-7.4	
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.103	1.010		2.08	2.28	-8.4	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	4.119	3.836		2.19	2.36	-6.9	
6:2 FTS	L1ID		1.428		2.31	2.37	-2.7	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.236	1.124		2.17	2.38	-9.0	
Perfluorooctanoic acid (PFOA)	AveID	1.121	1.021		2.28	2.50	-9.0	
Perfluorooctanesulfonic acid (PFOS)	L1ID		0.9609		2.22	2.32	-4.2	30.0
Perfluorononanoic acid (PFNA)	AveID	1.017	0.9228		2.27	2.50	-9.3	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	AveID	1.766	1.662		2.19	2.33	-5.9	
Perfluorononanesulfonic acid (PFNS)	AveID	0.7830	0.7141		2.19	2.40	-8.8	
Perfluorodecanoic acid (PFDA)	AveID	1.052	0.9821		2.34	2.50	-6.6	
8:2 FTS	AveID	0.9657	0.9199		2.28	2.40	-4.7	
Perfluorooctanesulfonamide (FOSA)	AveID	1.019	0.9873		2.42	2.50	-3.1	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.8881	0.8645		2.43	2.50	-2.7	
Perfluorodecanesulfonic acid (PFDS)	AveID	0.5827	0.5401		2.23	2.41	-7.3	
Perfluoroundecanoic acid (PFUnA)	AveID	1.059	1.007		2.38	2.50	-5.0	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.9079	0.8175		2.25	2.50	-10.0	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	AveID	2.299	2.086		2.14	2.36	-9.3	
Perfluorododecanoic acid (PFDoA)	AveID	1.014	0.9126		2.25	2.50	-10.0	
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	AveID	0.4511	0.4863		2.60	2.41	7.8	
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.2587	0.2325		2.18	2.42	-10.1	

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Lab Sample ID: CCV 200-182386/1 Calibration Date: 08/04/2022 17:01

Instrument ID: LC812 Calib Start Date: 08/03/2022 13:00

GC Column: C-18 ID: 4.60(mm) Calib End Date: 08/03/2022 13:41

Lab File ID: PA220804C01.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorotridecanoic acid (PFTriA)	AveID	0.8791	0.8215		2.34	2.50	-6.6	
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1602	0.1499		2.34	2.50	-6.4	
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		0.8685		2.41	2.50	-3.7	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.6649	0.6591		2.48	2.50	-0.9	
13C4 PFBA	Ave	1.167	1.081		1.16	1.25	-7.3	
13C5 PFPeA	Ave	0.8976	0.8947		1.25	1.25	-0.3	
13C3 PFBS	Ave	1.039	0.9777		1.09	1.16	-5.9	
M2-4:2 FTS	Ave	0.0894	0.0849		1.11	1.17	-5.0	
13C2 PFHxA	Ave	0.8962	0.8544		1.19	1.25	-4.7	
13C3 HFPO-DA	Ave	0.1687	0.1660		1.23	1.25	-1.6	
13C4 PFHpA	Ave	0.9296	0.8872		1.19	1.25	-4.6	50.0
18O2 PFHxS	Ave	0.7305	0.6888		1.12	1.18	-5.7	50.0
M2-6:2 FTS	Ave	0.1223	0.1143		1.11	1.19	-6.5	
13C4 PFOA	Ave	0.9525	0.9435		1.24	1.25	-1.0	50.0
13C4 PFOS	Ave	0.5455	0.5085		1.11	1.20	-6.8	50.0
13C5 PFNA	Ave	0.9889	0.9742		1.23	1.25	-1.5	50.0
13C2 PFDA	Ave	0.9624	0.9295		1.21	1.25	-3.4	
M2-8:2 FTS	Ave	0.1471	0.1365		1.11	1.20	-7.2	
13C8 FOSA	Ave	0.8423	0.7736		1.15	1.25	-8.2	
d3-NMeFOSAA	Ave	0.1290	0.1061		1.03	1.25	-17.8	
13C2 PFUnA	Ave	0.7292	0.7234		1.24	1.25	-0.8	
d5-NEtFOSAA	Ave	0.1221	0.1064		1.09	1.25	-12.9	
13C2 PFDoA	Ave	0.7556	0.7730		1.28	1.25	2.3	
13C2 PFTeDA	Ave	0.6177	0.6716		1.36	1.25	8.7	
13C2 PFHxDA	Ave	0.7037	0.6832		1.21	1.25	-2.9	

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Lims ID: CCV L5
Client ID:
Sample Type: CCV
Inject. Date: 04-Aug-2022 17:01:16 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: CCV L5
Misc. Info.: 200-0051963-001 Plate: 1 Rack: 3
Operator ID: lc812tech Instrument ID: LC812
Sublist: chrom-PFC_LC812*sub3

Method: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 05-Aug-2022 14:47:53 Calib Date: 03-Aug-2022 13:41:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1640

First Level Reviewer: khanphomeea Date: 05-Aug-2022 07:58:08
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										M
217.00 > 172.00	2.085	2.076	0.009	0.599	2031799	1.16		92.7	7806	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.085	0.0	1.000	3569123	2.26		90.6	353	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.400	0.0	0.689	1680934	1.25		99.7	3393	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.400	2.400	0.0	1.000	3194447	2.30		92.2	126	
D 47 13C3 PFBS										
301.90 > 80.00	2.413	2.413	0.0	0.693	1708366	1.09		94.1	280028	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.413	2.413	0.0	1.000	3371605	2.08	Target=2.23	94.0	1729	M
298.90 > 99.00	2.413	2.413	0.0	1.000	1558800		2.16(1.11-3.34)		874	M
D 60 M2-4:2 FTS										
329.00 > 81.00	2.713	2.713	0.0	0.779	149009	1.11		95.0	149	
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.713	2.713	0.0	1.000	686824	2.26		97.0	3382	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.750	2.750	0.0	1.000	3154838	2.35	Target=12.24	94.2	535	M
313.00 > 119.00	2.750	2.750	0.0	1.000	249272		12.66(6.12-18.36)		294	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.750	2.750	0.0	0.790	1605217	1.19		95.3	4519	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.750	2.750	0.0	0.881	2909790	2.17	Target=2.95	92.4	1409	M
349.00 > 99.00	2.750	2.750	0.0	0.881	952596		3.05(1.48-4.43)		1251	M
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.859	2.859	0.0	0.821	311873	1.23		98.4	2220	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.859	2.859	0.0	1.000	608291	2.27		90.8	2903	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.121	3.110	0.011	0.896	1224311	1.12		94.3	1995	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.121	3.110	0.011	1.000	2379193	2.08	Target=3.43	91.6	1789	M
399.00 > 99.00	3.121	3.110	0.011	1.000	687991		3.46(1.72-5.15)		655	M
D 9 13C4 PFHpA										M
367.00 > 322.00	3.121	3.121	0.0	0.896	1667005	1.19		95.4	1631	M
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.121	3.121	0.0	1.000	3181482	2.31	Target=3.73	92.6	844	M
363.00 > 169.00	3.121	3.121	0.0	1.000	853722		3.73(1.86-5.59)		1206	M
77 DONA										M
377.00 > 251.00	3.154	3.154	0.0	0.830	6903881	2.19	Target=2.84	93.1	1920	M
377.00 > 85.00	3.154	3.154	0.0	0.830	2536036		2.72(1.42-4.26)		1432	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.465	3.465	0.0	0.995	203966	1.11		93.5	393	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.465	3.465	0.0	1.000	581454	2.31		97.3	688	
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.465	3.465	0.0	0.911	2044980	2.16	Target=4.89	91.0	1743	M
449.00 > 99.00	3.465	3.465	0.0	0.911	424814		4.81(2.44-7.33)		1110	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.482	3.474	0.008	1.000	3619102	2.28	Target=2.67	91.0	411	M
413.00 > 169.00	3.482	3.474	0.008	1.000	1331331		2.72(1.34-4.01)		1220	M
D 14 13C4 PFOA										
417.00 > 372.00	3.482	3.474	0.008	1.000	1772614	1.24		99.0	4055	
* 62 13C2 PFOA										
415.00 > 370.00	3.482	3.474	0.008		1878857	1.25			5129	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.802	3.792	0.010	1.000	1703789	2.22	Target=4.88	95.8	1012	M
499.00 > 99.00	3.792	3.792	0.0	0.997	362476		4.70(2.44-7.32)		783	M
D 18 13C4 PFOS										
503.00 > 80.00	3.802	3.792	0.010	1.092	913355	1.11		93.2	2336	
20 Perfluorononanoic acid										
463.00 > 419.00	3.822	3.812	0.010	1.000	3378189	2.27	Target=8.23	90.7	973	
463.00 > 169.00	3.812	3.812	0.0	0.997	437387		7.72(4.11-12.34)		2141	
D 19 13C5 PFNA										
468.00 > 423.00	3.822	3.812	0.010	1.098	1830419	1.23		98.5	3952	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.969	3.960	0.009	1.044	2959106	2.19		94.1	6398	
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.093	4.093	0.0	1.076	1309979	2.19	Target=2.53	91.2	2593	
549.00 > 99.00	4.093	4.093	0.0	1.076	544345		2.41(1.26-3.79)		1766	M
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.127	4.116	0.011	1.000	3430299	2.33	Target=9.67	93.4	1761	
513.00 > 169.00	4.127	4.116	0.011	1.000	363282		9.44(4.83-14.50)		1663	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 23 13C2 PFDA										M
515.00 > 470.00	4.127	4.116	0.011	1.185	1746324	1.21		96.6	1373	M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.138	4.127	0.011	1.000	452029	2.28		95.3	1231	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.138	4.127	0.011	1.188	245701	1.11		92.8	902	
D 21 13C8 FOSA										M
506.00 > 78.00	4.161	4.161	0.0	1.195	1453543	1.15		91.8	1394	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.161	4.161	0.0	1.000	2870098	2.42		96.9	2778	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.273	4.261	0.012	1.000	344603	2.43		97.3	405	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.273	4.261	0.012	1.227	199312	1.03		82.2	289	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.376	4.365	0.011	1.151	994941	2.23	Target=2.80	92.7	1217	M
599.00 > 99.00	4.376	4.365	0.011	1.151	387004		2.57(1.40-4.20)		1293	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.398	4.387	0.011	1.263	1359247	1.24		99.2	1590	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.398	4.387	0.011	1.000	2737231	2.38	Target=9.07	95.0	1822	
563.00 > 169.00	4.398	4.387	0.011	1.000	301200		9.09(4.54-13.61)		1815	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.410	4.399	0.011	1.000	326870	2.25		90.0	801	M
D 32 d5-NEtFOSAA										M
589.00 > 419.00	4.410	4.399	0.011	1.266	199910	1.09		87.1	732	M
66 11-Chloroeicosafluoro-3-oxaundec										M
631.00 > 451.00	4.504	4.491	0.013	1.185	3755587	2.14		90.7	3319	M
D 36 13C2 PFDoA										M
615.00 > 570.00	4.643	4.633	0.010	1.333	1452433	1.28		102	1603	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.643	4.633	0.010	1.000	2650895	2.25	Target=6.97	90.0	341	M
613.00 > 169.00	4.643	4.633	0.010	1.000	409104		6.48(3.48-10.45)		1018	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.663	4.654	0.009	1.127	240473	2.60		108	622	M
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.836	4.813	0.023	1.272	430095	2.18	Target=0.52	89.9	2663	M
699.00 > 99.00	4.836	4.813	0.023	1.272	804017		0.53(0.26-0.79)		1867	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.870	4.859	0.011	1.049	2386298	2.34	Target=4.56	93.4	403	M
663.00 > 169.00	4.870	4.859	0.011	1.049	511652		4.66(2.28-6.84)		877	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.070	5.052	0.018	1.456	1261779	1.36		109	2684	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.070	5.052	0.018	1.000	378288	2.34	Target=0.94	93.6	1031	M
713.00 > 219.00	5.070	5.052	0.018	1.000	405794		0.93(0.47-1.41)		965	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	5.455	5.422	0.033	1.000	2229563	2.41	Target=4.38	96.3	441	M
813.00 > 169.00	5.455	5.422	0.033	1.000	511078		4.36(2.19-6.57)		1626	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.455	5.422	0.033	1.566	1283610	1.21		97.1	3794	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.843	5.795	0.048	1.071	1692116	2.48	Target=4.31	99.1	338	M
913.00 > 169.00	5.843	5.795	0.048	1.071	399633		4.23(2.16-6.47)		823	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

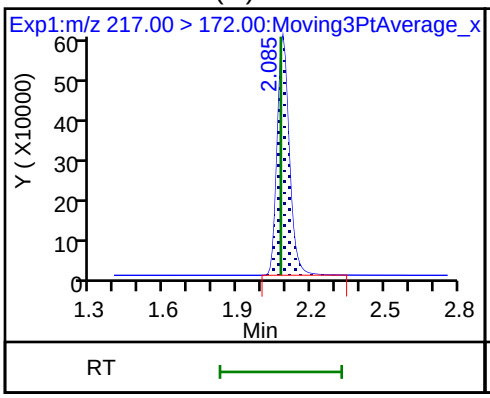
PFAS32NCIC5_00028 Amount Added: 100.00 Units: uL

Report Date: 05-Aug-2022 14:47:53 Chrom Revision: 2.3 04-Aug-2022 18:02:28

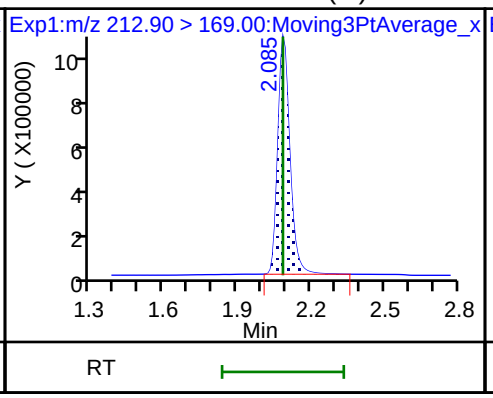
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL

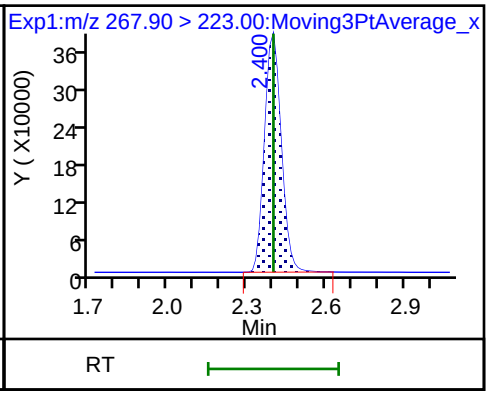
D 1 13C4 PFBA (M)



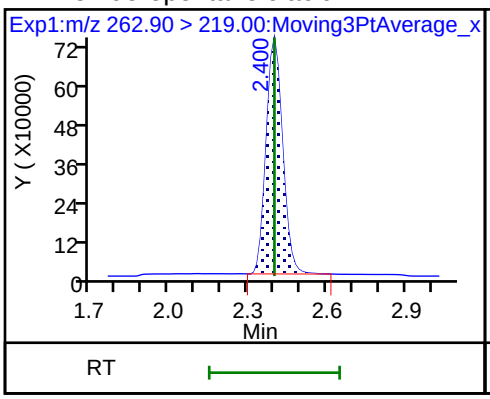
2 Perfluorobutanoic acid (M)



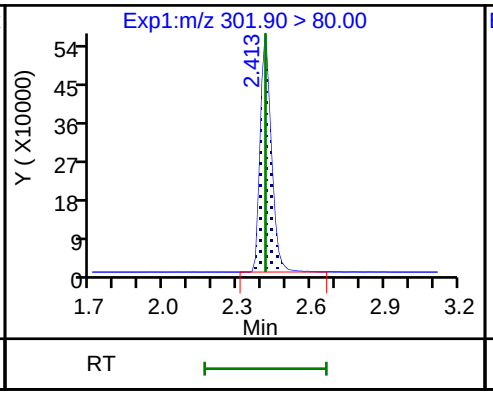
D 3 13C5 PFPeA



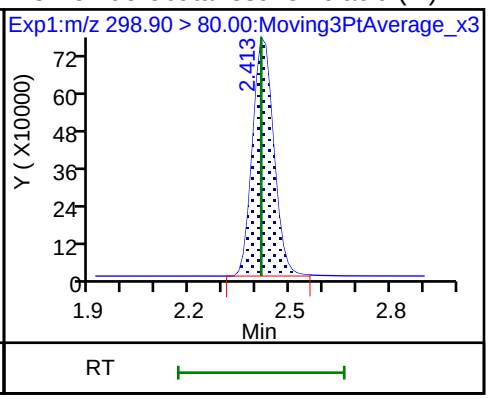
4 Perfluoropentanoic acid



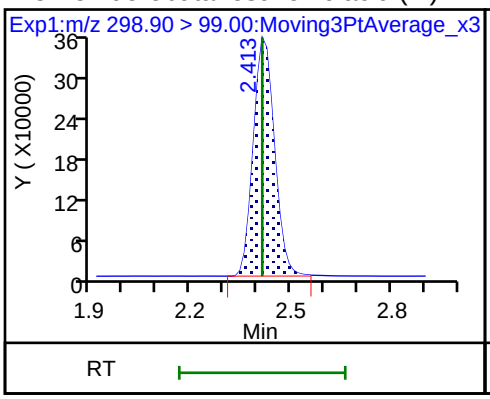
D 47 13C3 PFBS



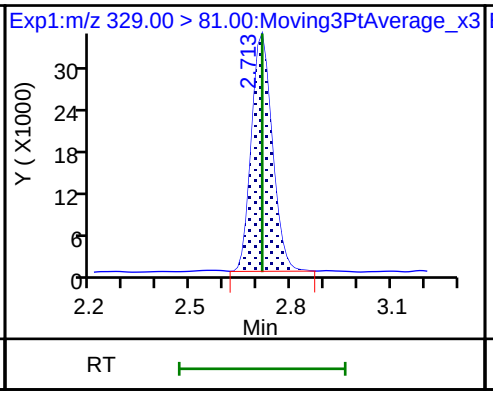
5 Perfluorobutanesulfonic acid (M)



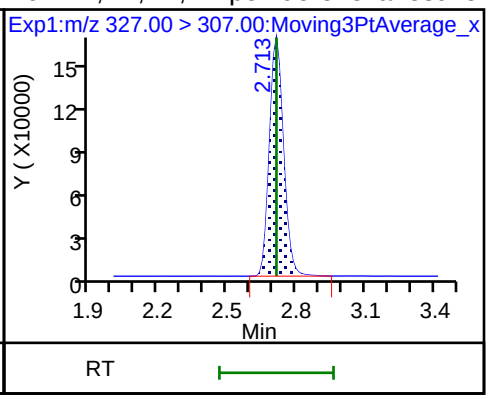
5 Perfluorobutanesulfonic acid (M)



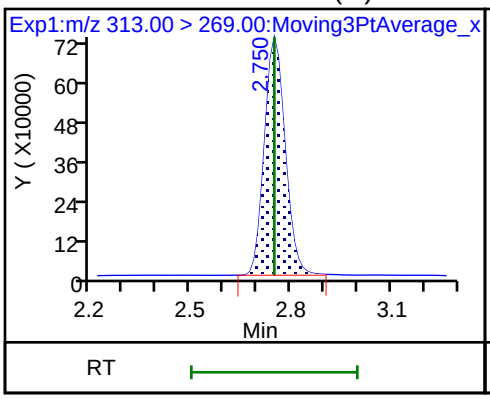
D 60 M2-4:2 FTS



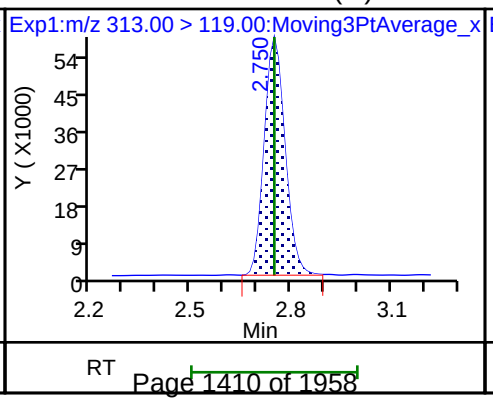
61 1H,1H,2H,2H-perfluorohexanesulfo



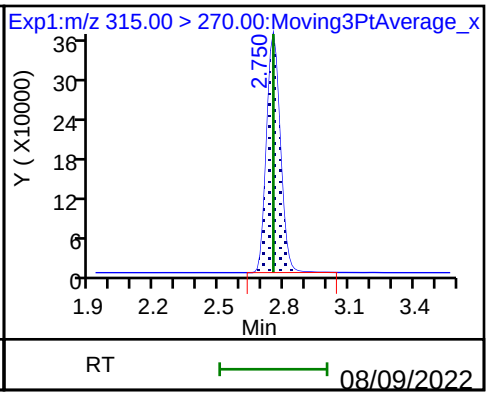
6 Perfluorohexanoic acid (M)



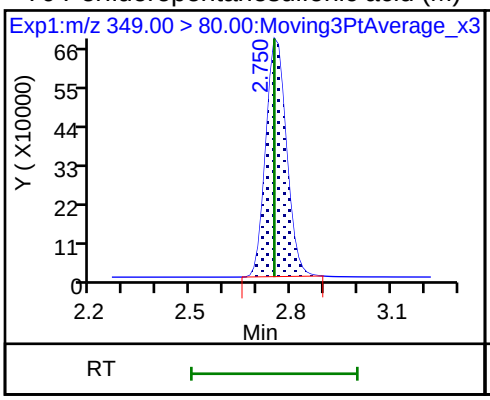
6 Perfluorohexanoic acid (M)



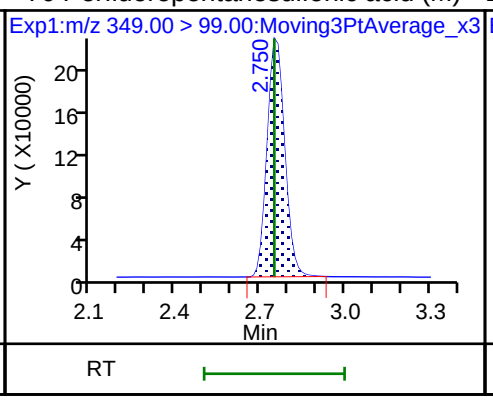
D 7 13C2 PFHxA



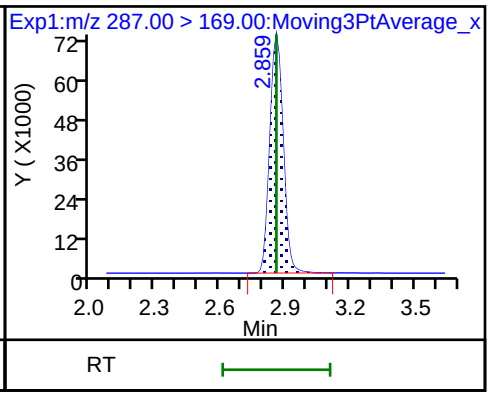
70 Perfluoropentanesulfonic acid (M)



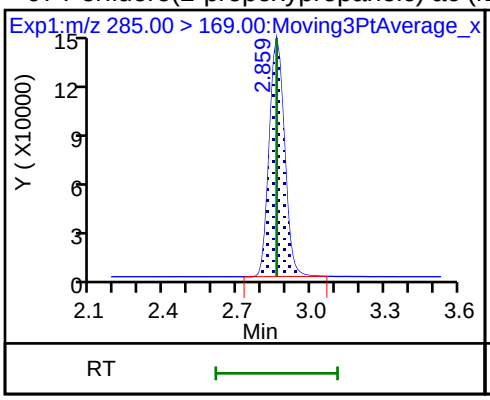
70 Perfluoropentanesulfonic acid (M)



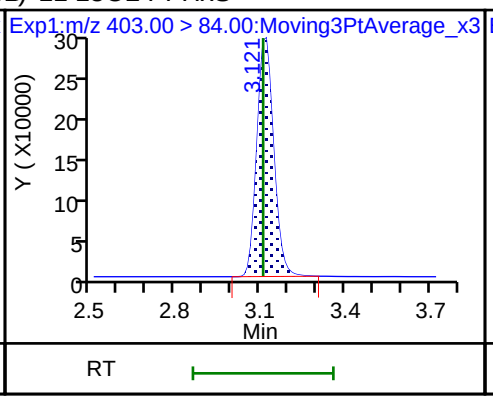
D 64 13C3 HFPO-DA



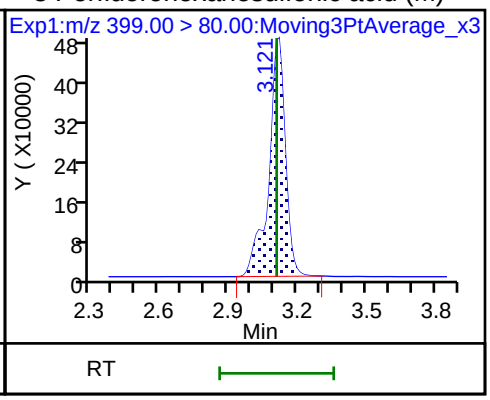
67 Perfluoro(2-propoxypropanoic) ac (M)



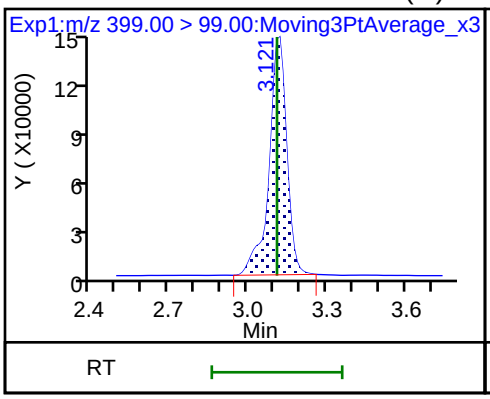
D 11 18O2 PFHxS



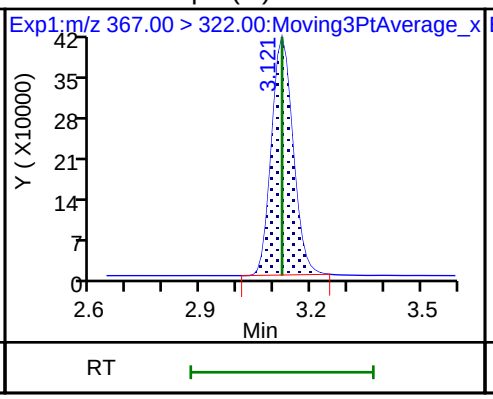
8 Perfluorohexanesulfonic acid (M)



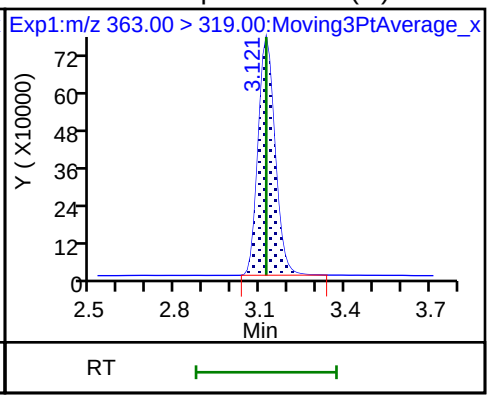
8 Perfluorohexanesulfonic acid (M)



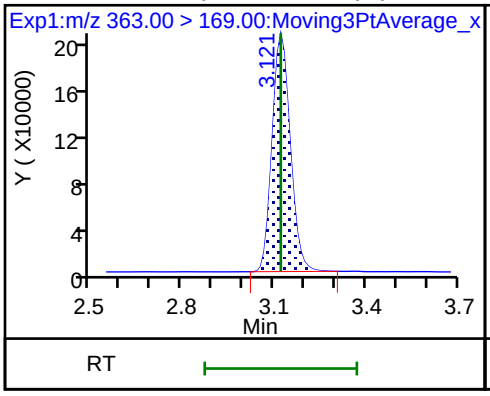
D 9 13C4 PFHpA (M)



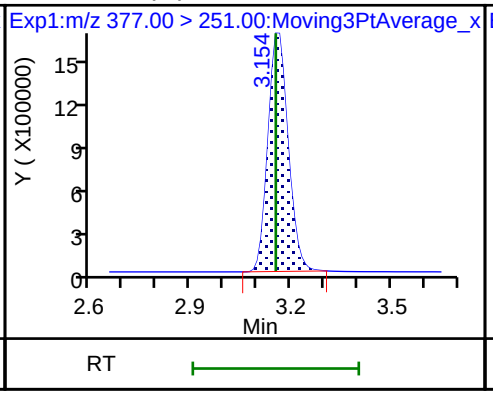
10 Perfluoroheptanoic acid (M)



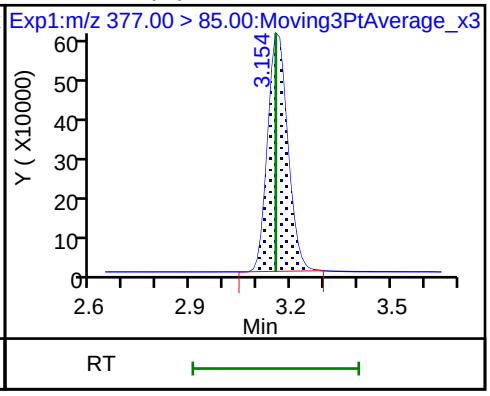
10 Perfluoroheptanoic acid (M)



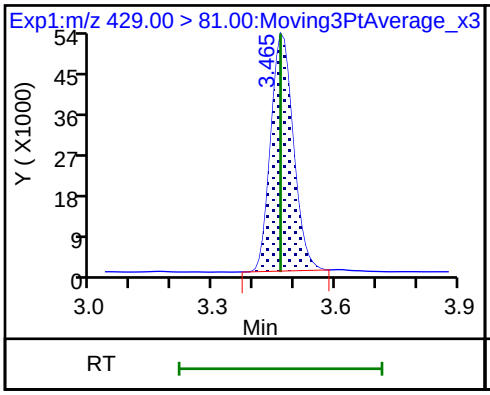
77 DONA (M)



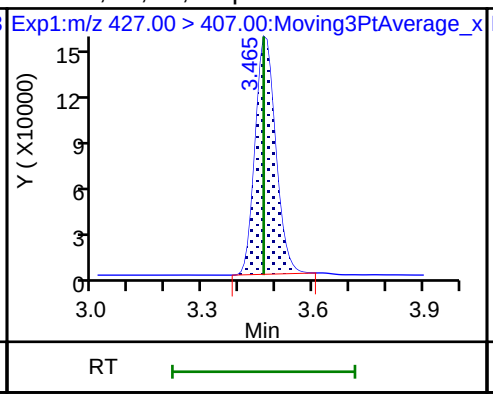
77 DONA (M)



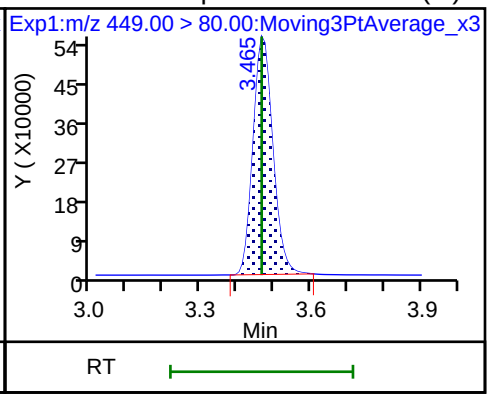
D 12 M2-6:2 FTS



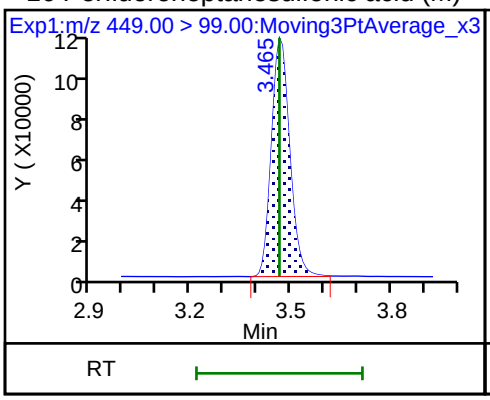
13 1H,1H,2H,2H-perfluorooctanesulfo



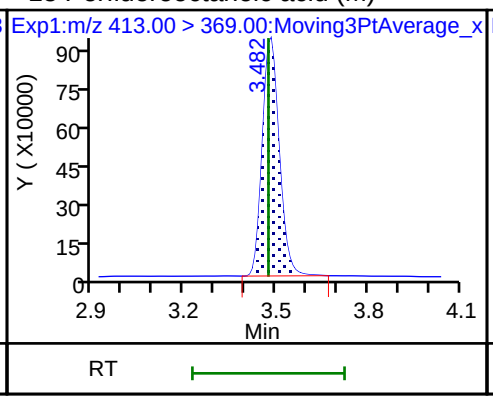
16 Perfluoroheptanesulfonic acid (M)



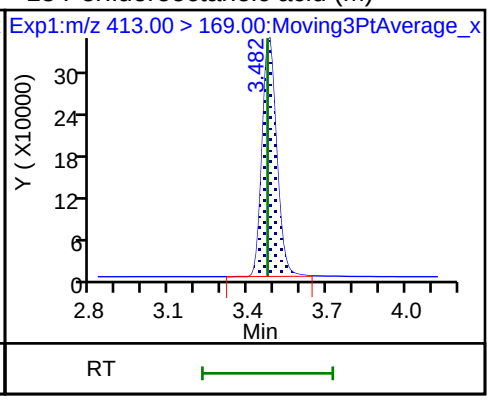
16 Perfluoroheptanesulfonic acid (M)



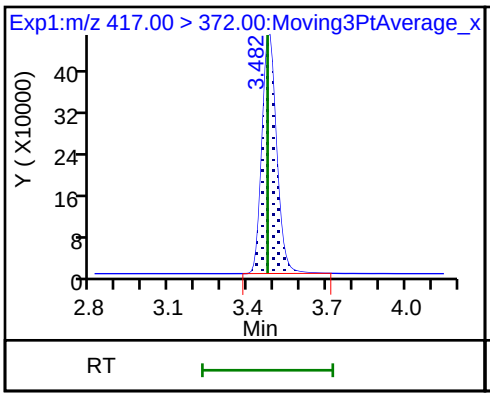
15 Perfluorooctanoic acid (M)



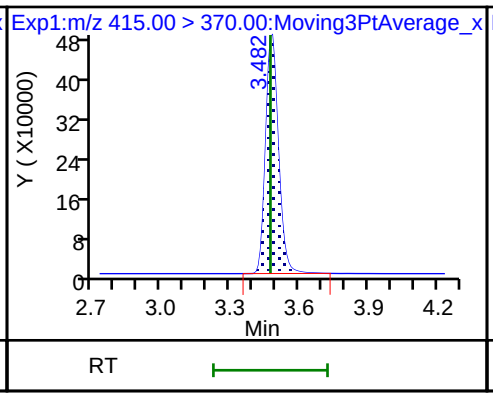
15 Perfluorooctanoic acid (M)



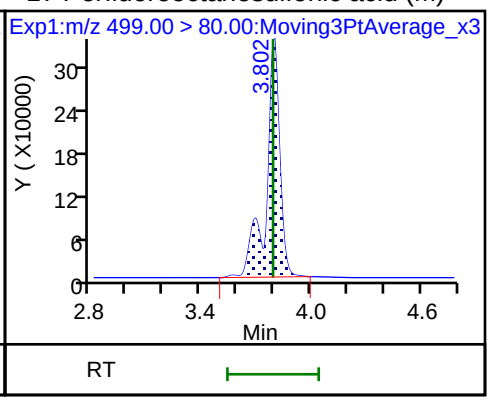
D 14 13C4 PFOA



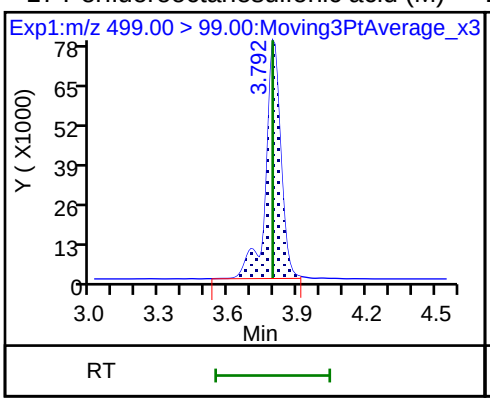
* 62 13C2 PFOA



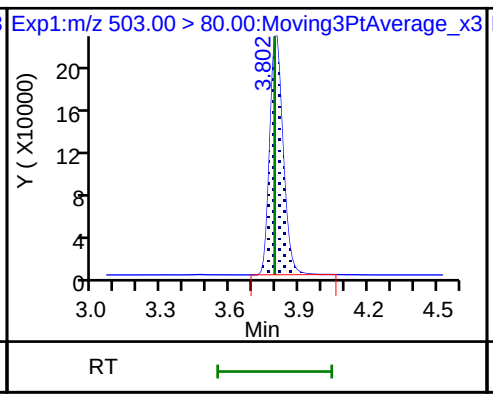
17 Perfluorooctanesulfonic acid (M)



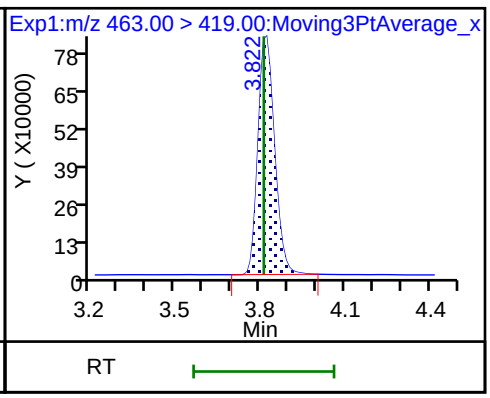
17 Perfluorooctanesulfonic acid (M)



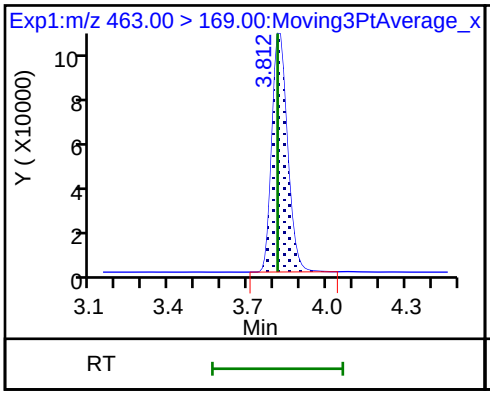
D 18 13C4 PFOS



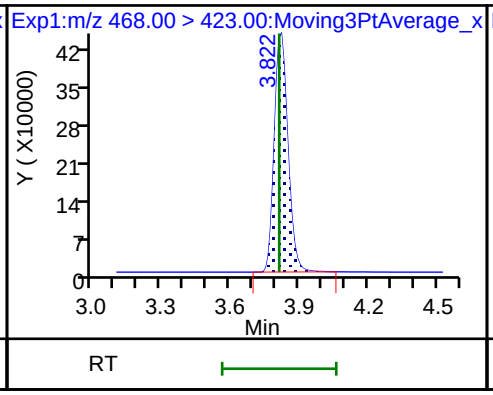
20 Perfluorononanoic acid



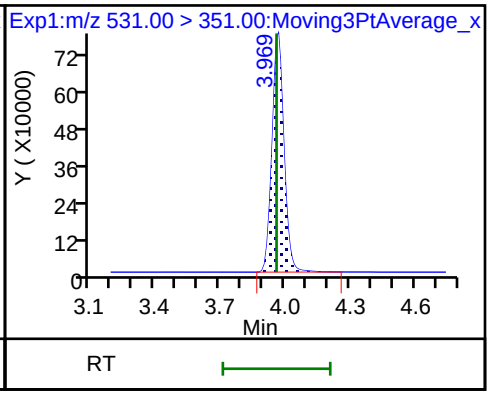
20 Perfluorononanoic acid



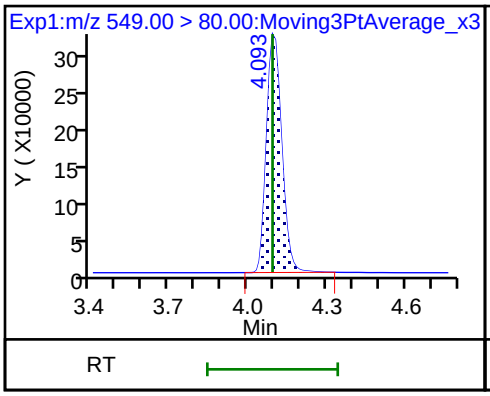
D 19 13C5 PFNA



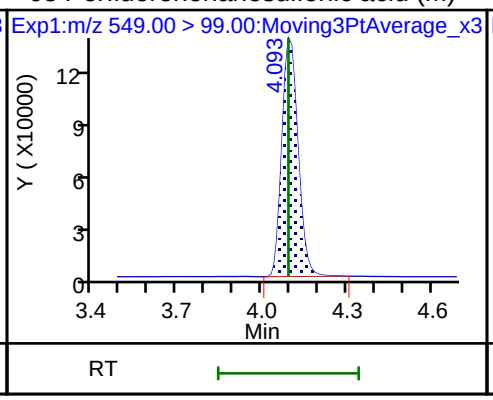
69 9-Chlorohexadecafluoro-3-oxanona



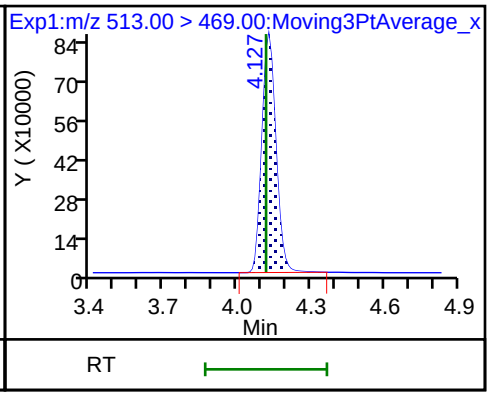
68 Perfluorononanesulfonic acid



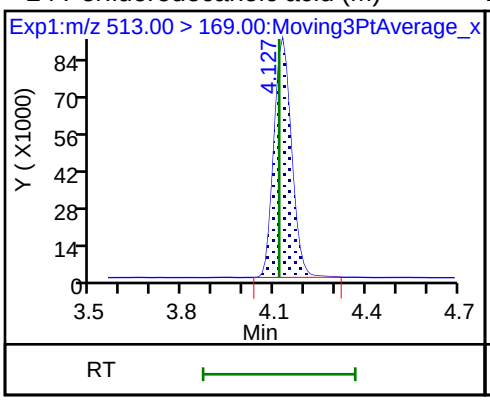
68 Perfluorononanesulfonic acid (M)



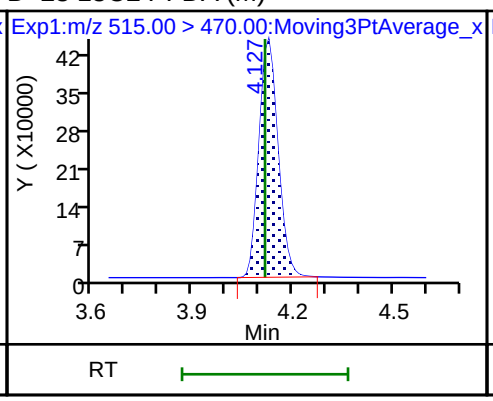
24 Perfluorodecanoic acid



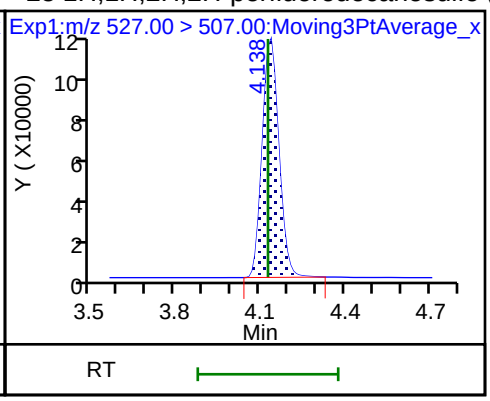
24 Perfluorodecanoic acid (M)



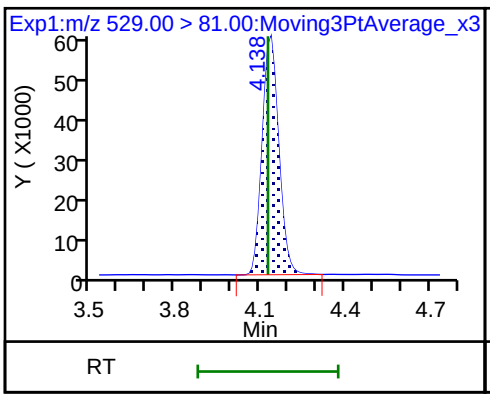
D 23 13C2 PFDA (M)



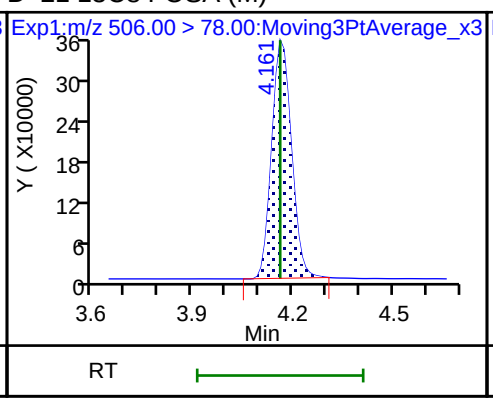
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



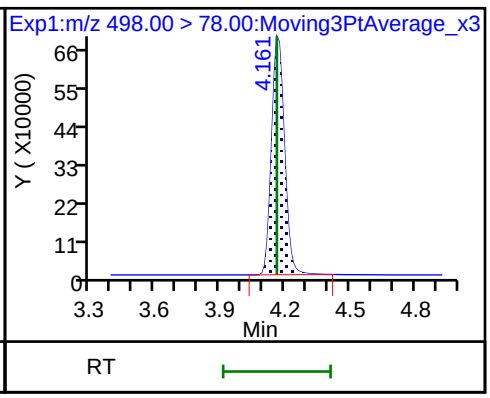
D 26 M2-8:2 FTS



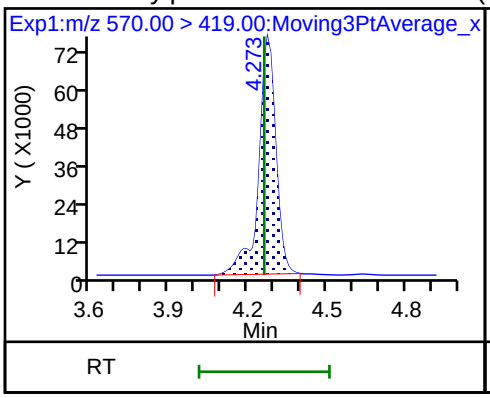
D 21 13C8 FOSA (M)



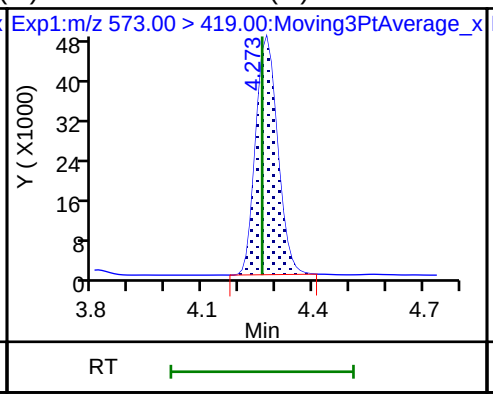
22 Perfluorooctanesulfonamide



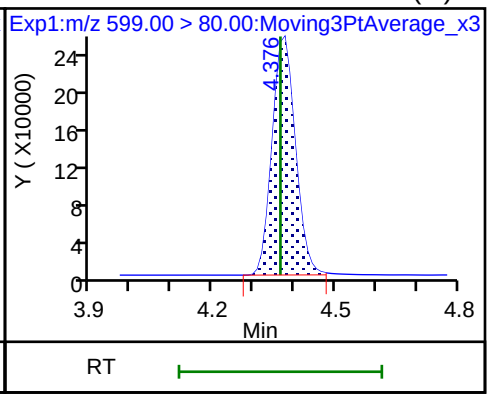
28 N-methylperfluorooctanesulfonami (M)



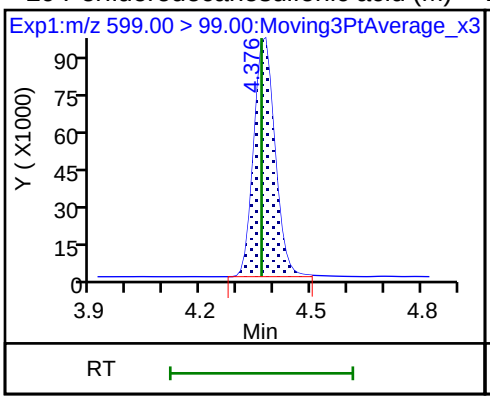
D 27 d3-NMeFOSAA (M)



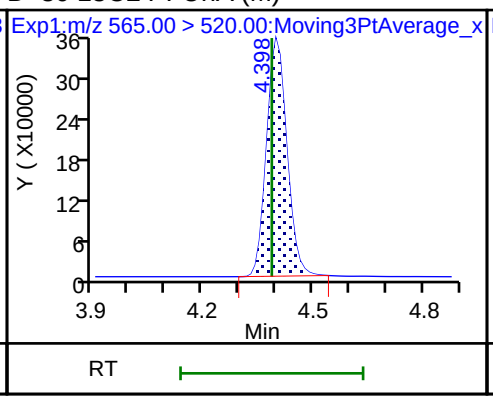
29 Perfluorodecanesulfonic acid (M)



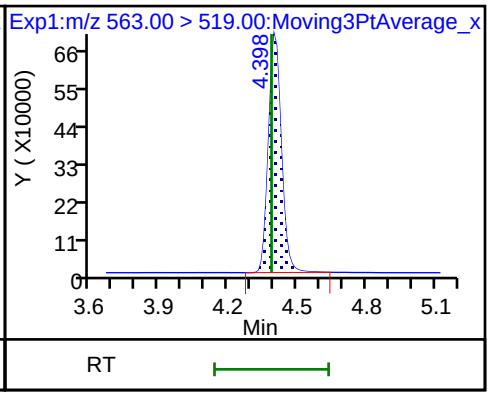
29 Perfluorodecanesulfonic acid (M)



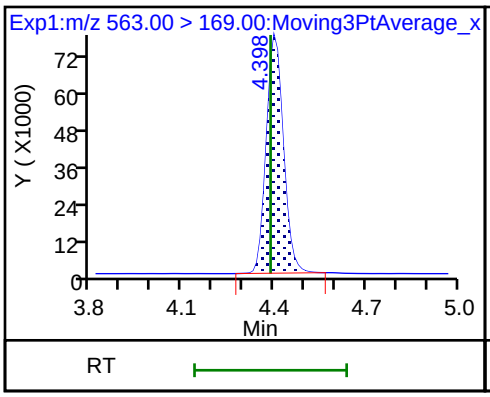
D 30 13C2 PFUnA (M)



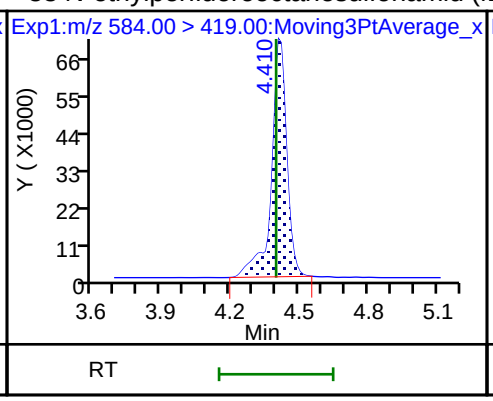
31 Perfluoroundecanoic acid



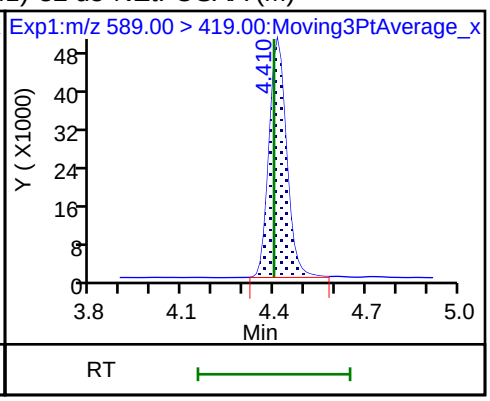
31 Perfluoroundecanoic acid



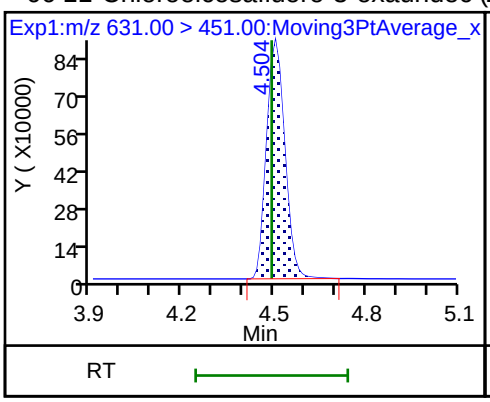
33 N-ethylperfluorooctanesulfonamid (M)



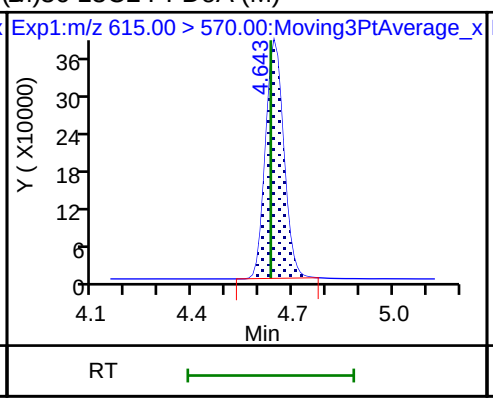
D 32 d5-NEtFOSAA (M)



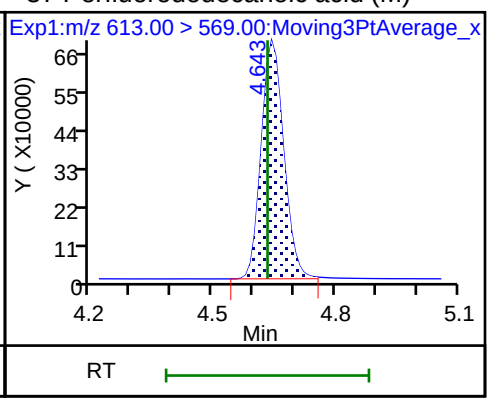
66 11-Chloroeicosafluoro-3-oxaundec (M)



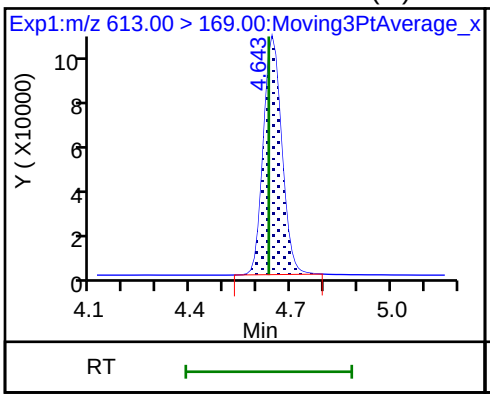
D 36 13C2 PFDoA (M)



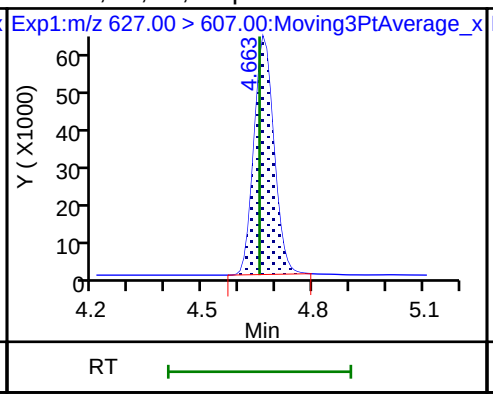
37 Perfluorododecanoic acid (M)



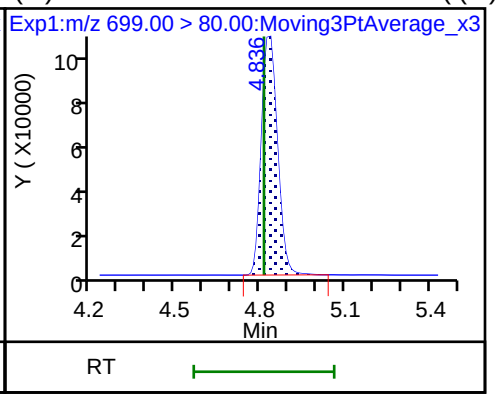
37 Perfluorododecanoic acid (M)



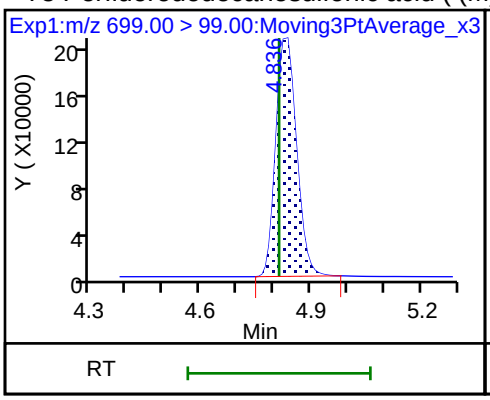
74 1H,1H,2H,2H-perfluorododecanesul (M)



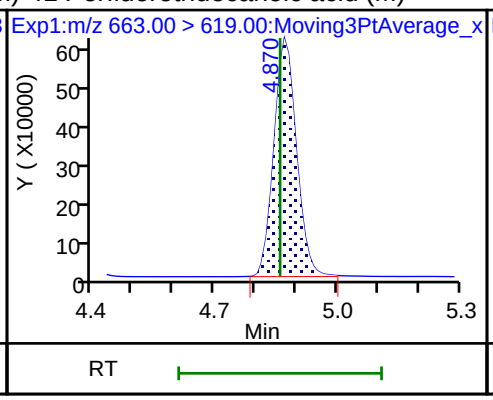
75 Perfluorododecanesulfonic acid ((M)



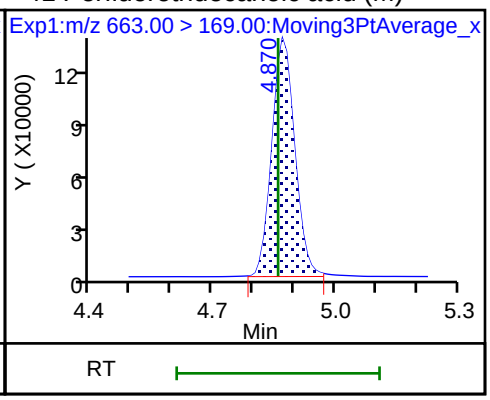
75 Perfluorododecanesulfonic acid ((M)



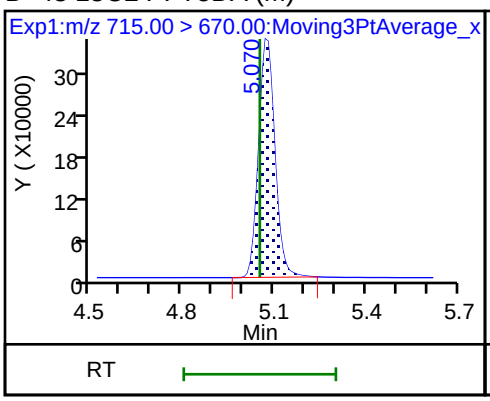
41 Perfluorotridecanoic acid (M)



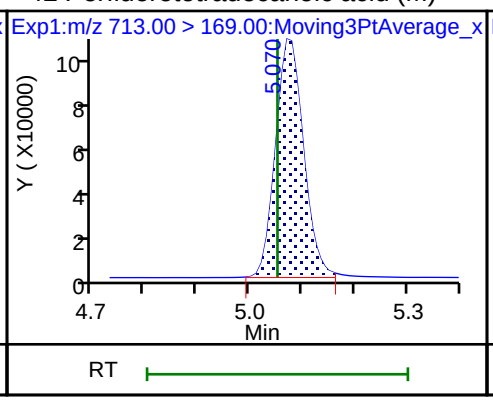
41 Perfluorotridecanoic acid (M)



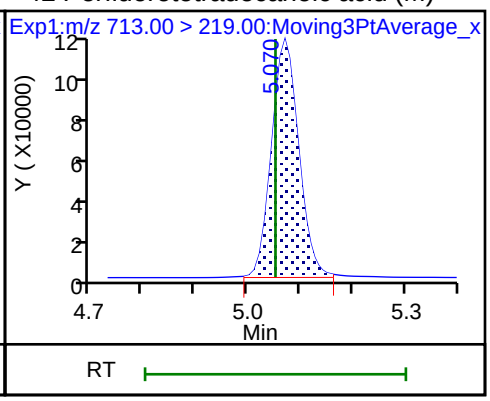
D 43 13C2 PFTeDA (M)



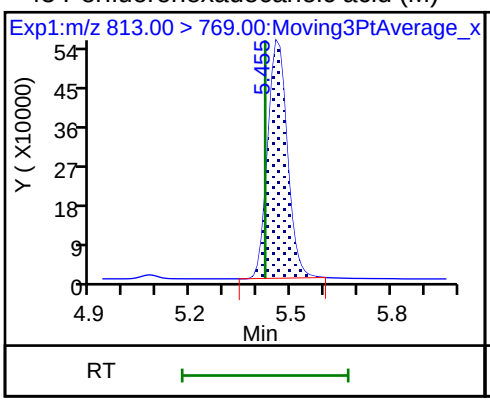
42 Perfluorotetradecanoic acid (M)



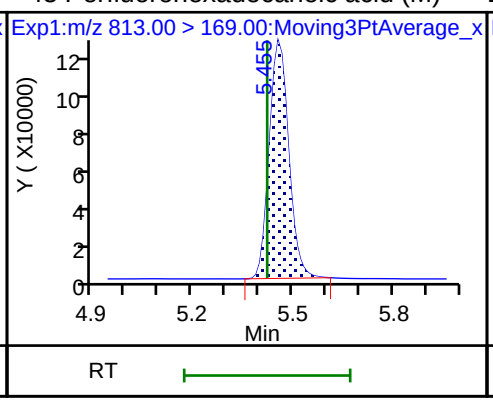
42 Perfluorotetradecanoic acid (M)



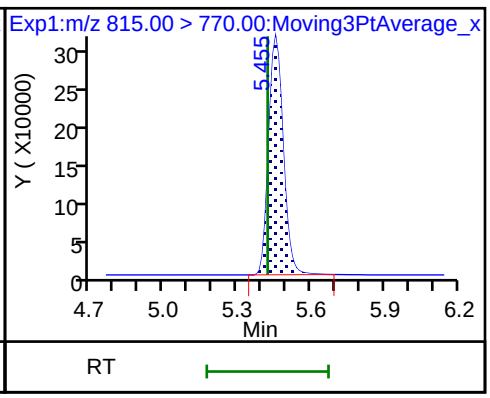
45 Perfluorohexadecanoic acid (M)



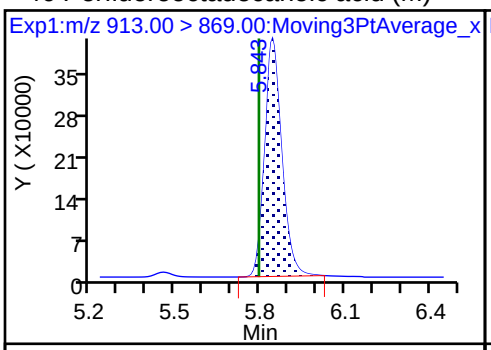
45 Perfluorohexadecanoic acid (M)



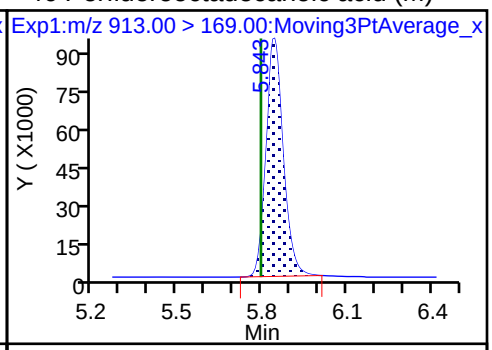
D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)



46 Perfluorooctadecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins Burlington

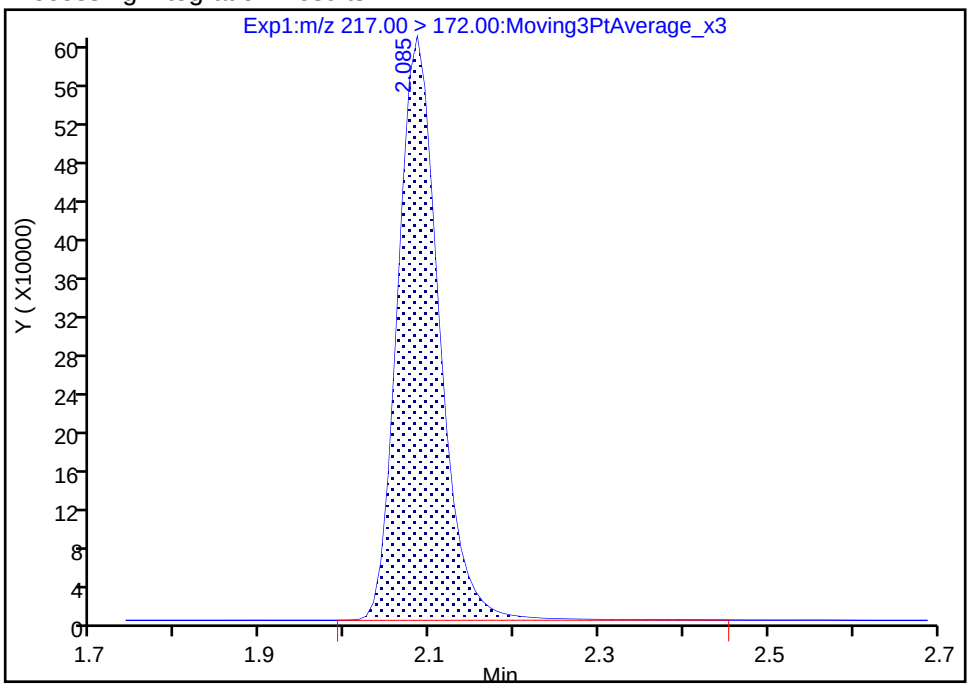
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

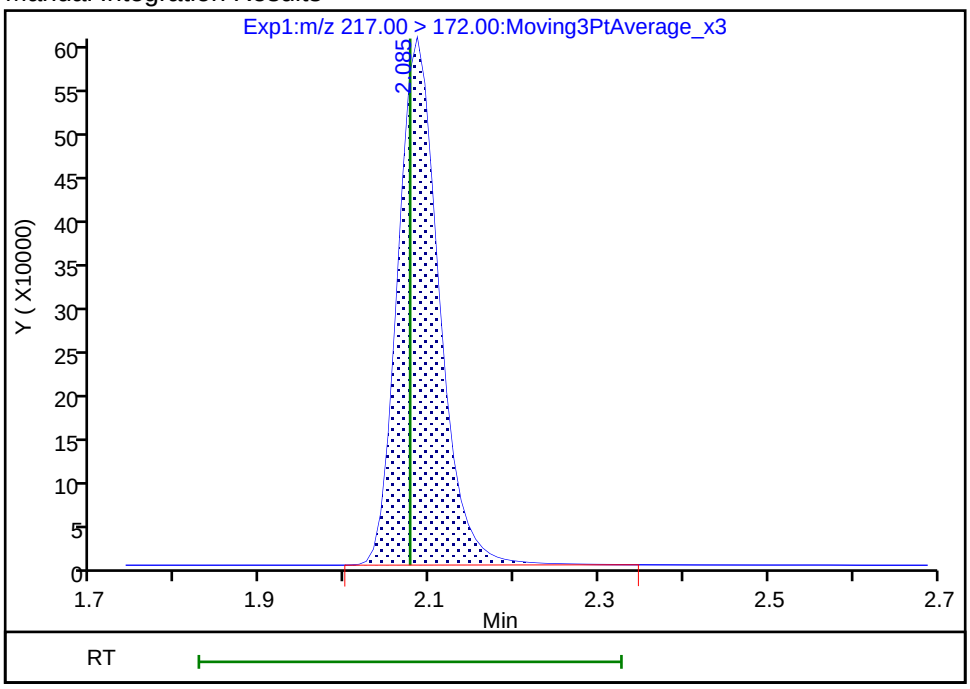
Processing Integration Results

RT: 2.08
Area: 2036320
Amount: 1.160847
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 2031799
Amount: 1.158269
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:18:46
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

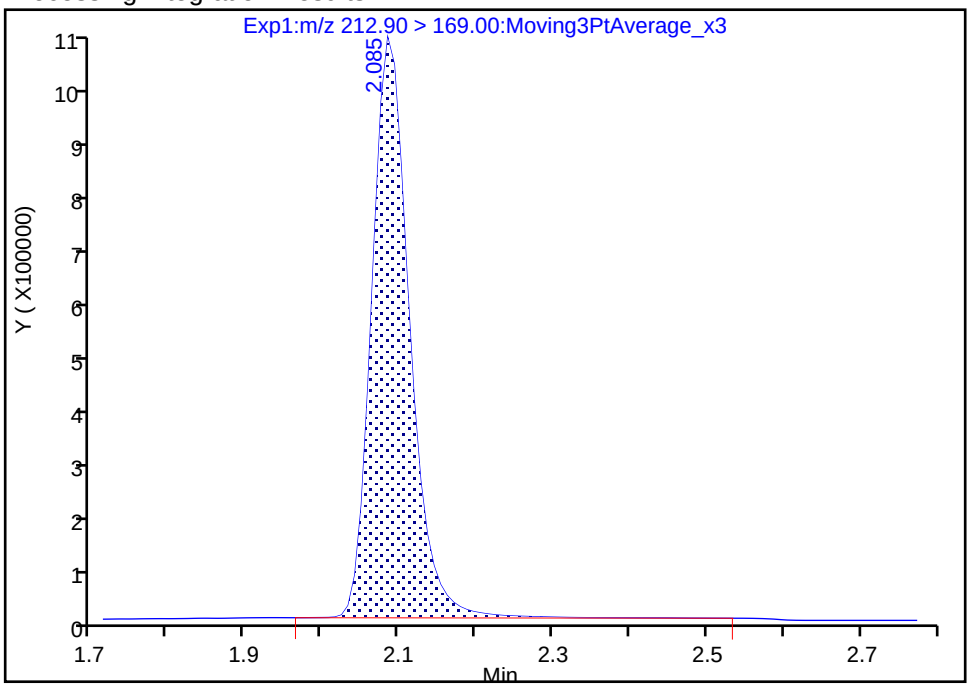
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Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

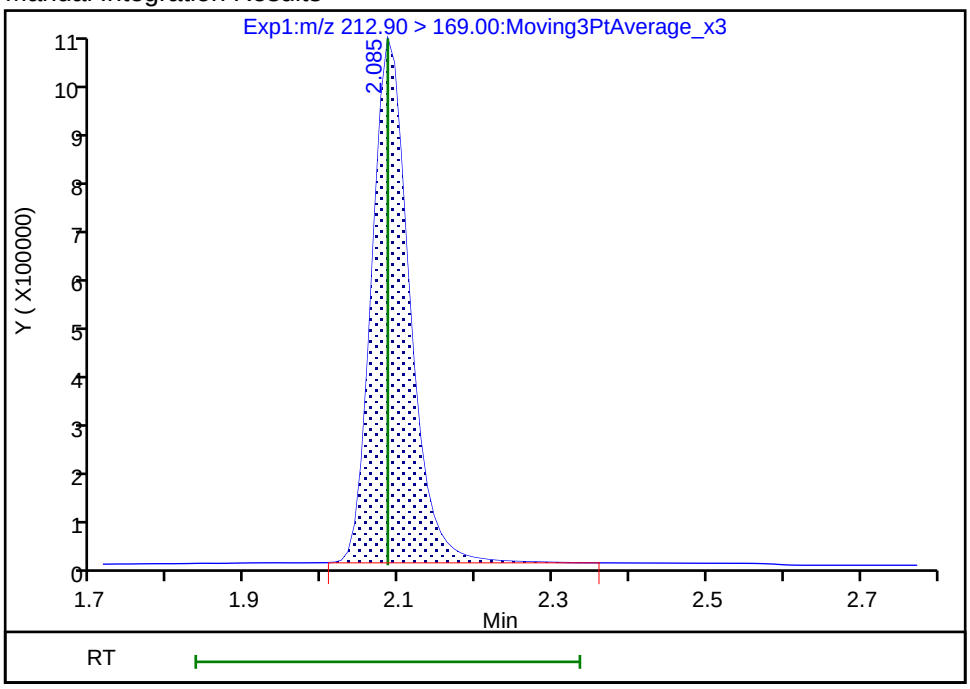
Processing Integration Results

RT: 2.08
Area: 3580232
Amount: 2.266429
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 3569123
Amount: 2.264424
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:49:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

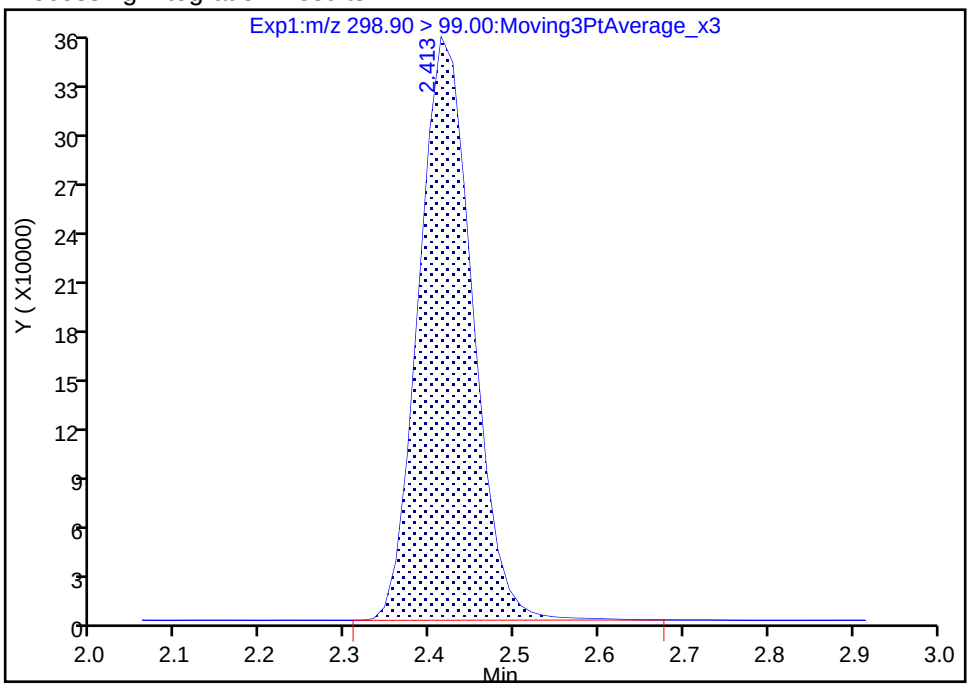
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

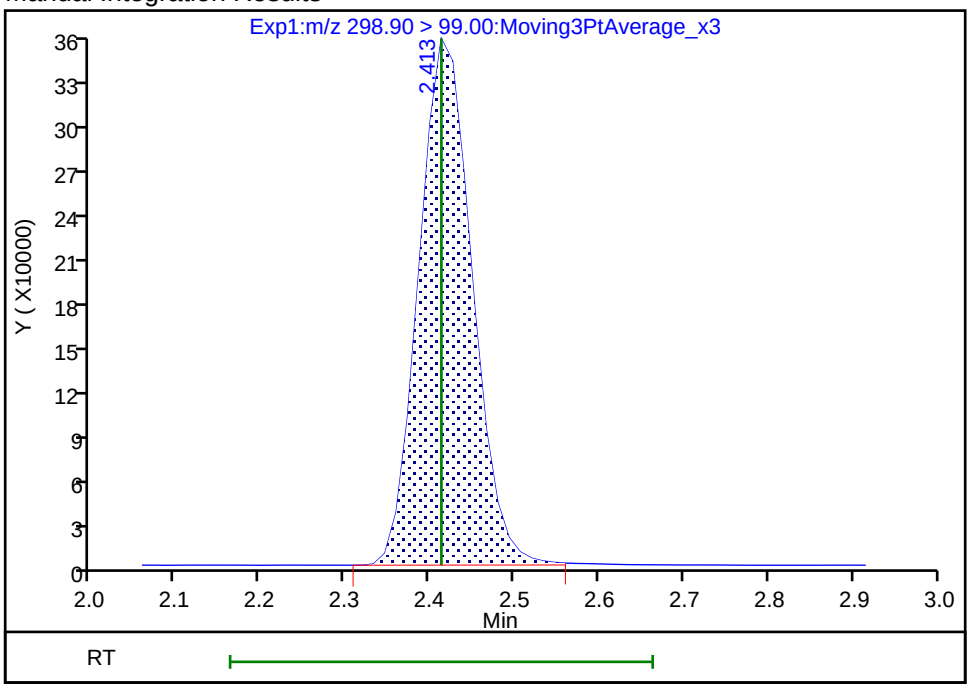
Processing Integration Results

RT: 2.41
Area: 1562228
Amount: 2.084856
Amount Units: ng/ml



Manual Integration Results

RT: 2.41
Area: 1558800
Amount: 2.078458
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:50:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

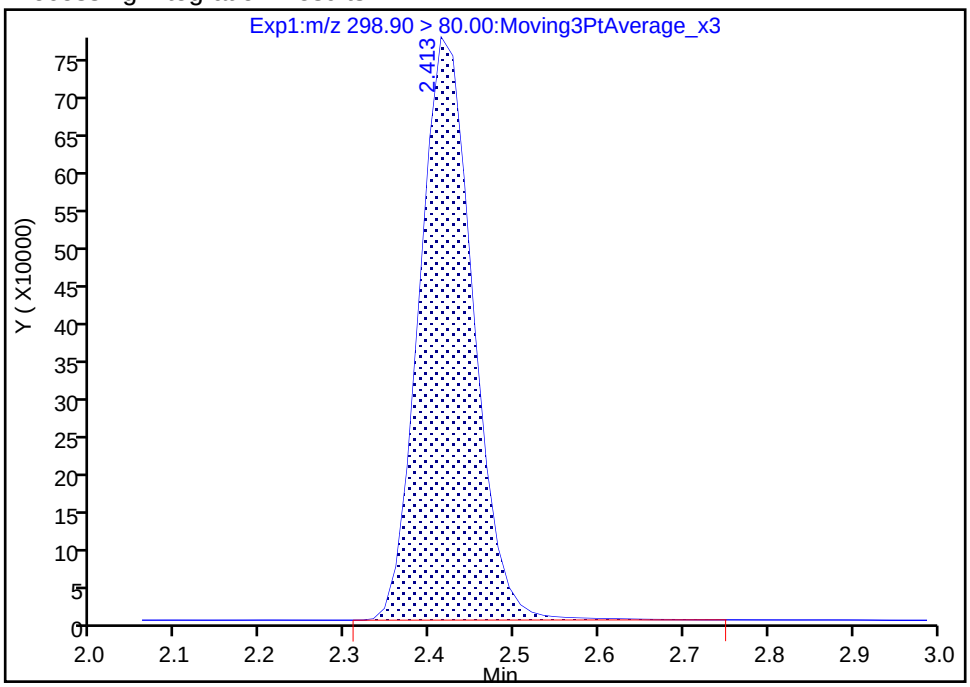
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

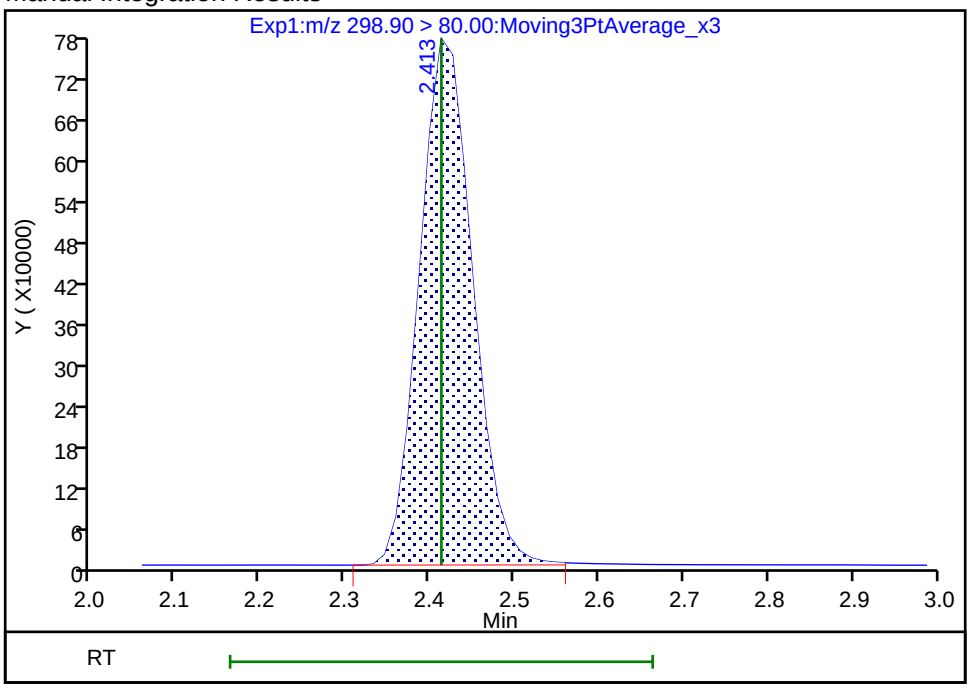
Processing Integration Results

RT: 2.41
Area: 3381983
Amount: 2.084856
Amount Units: ng/ml



Manual Integration Results

RT: 2.41
Area: 3371605
Amount: 2.078458
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:50:09
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

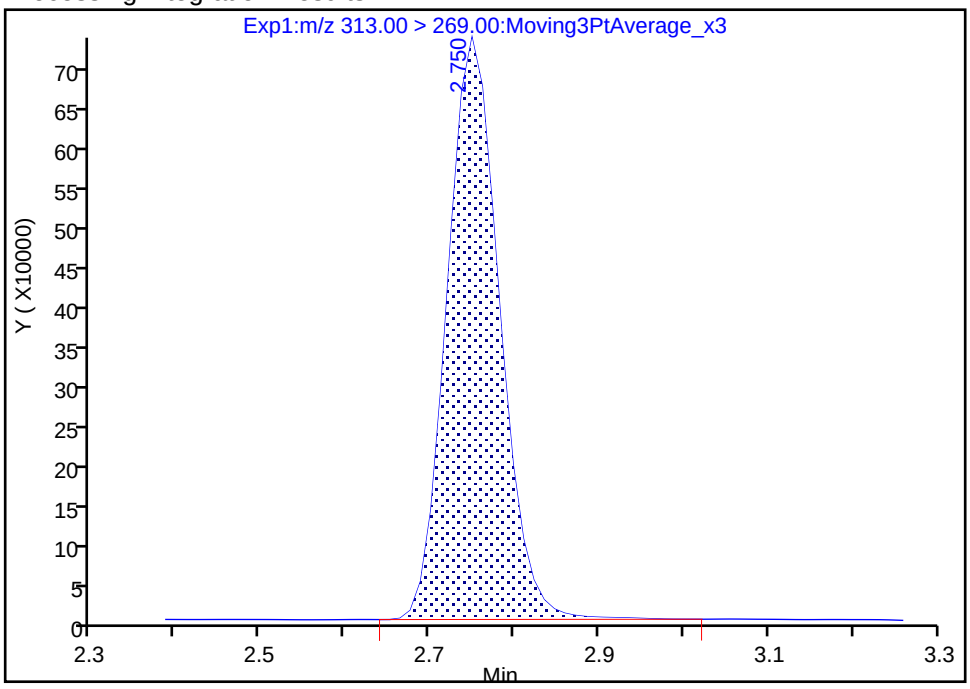
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

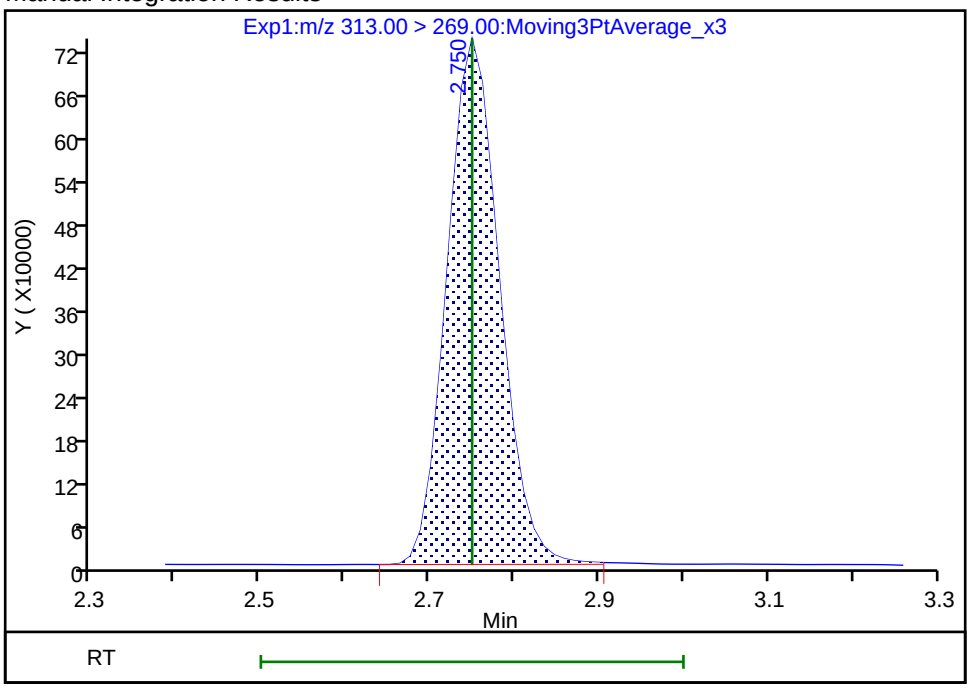
Processing Integration Results

RT: 2.75
Area: 3160974
Amount: 2.358967
Amount Units: ng/ml



Manual Integration Results

RT: 2.75
Area: 3154838
Amount: 2.354388
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:50:22
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

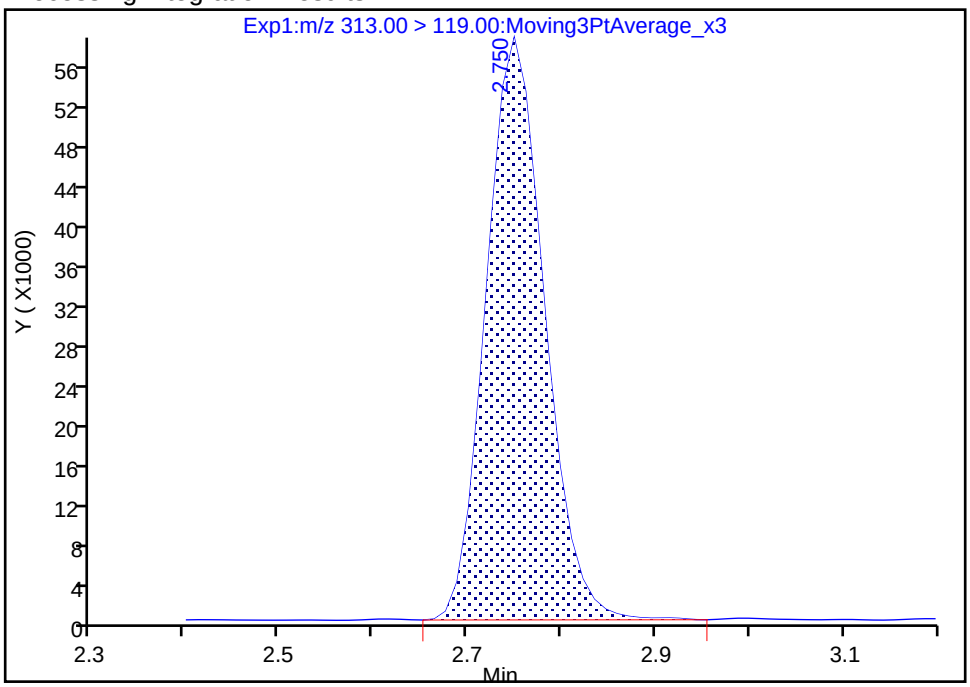
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

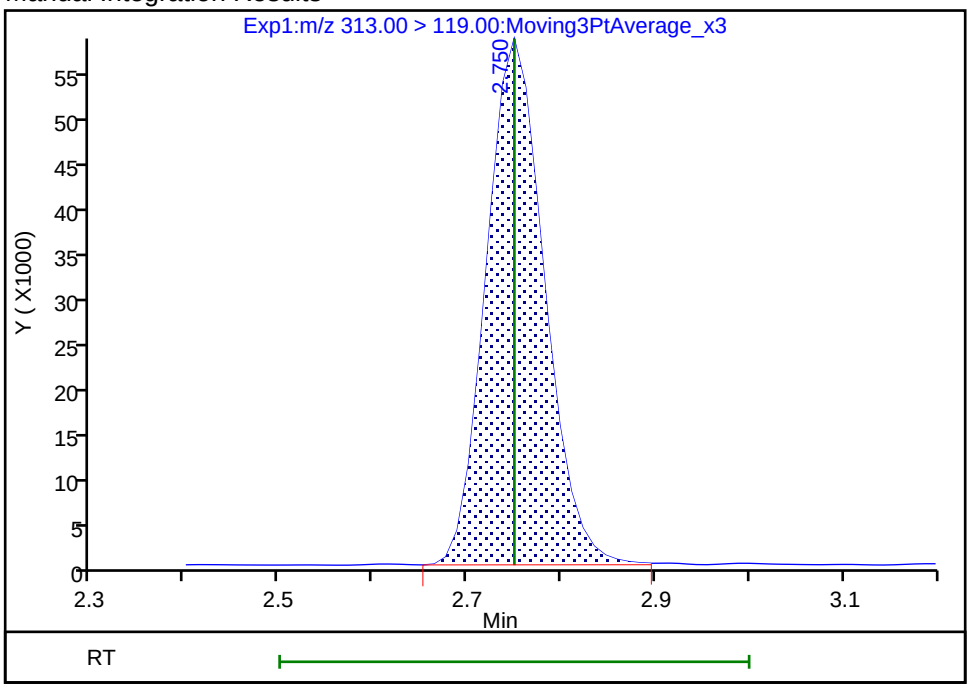
Processing Integration Results

RT: 2.75
Area: 249648
Amount: 2.358967
Amount Units: ng/ml



Manual Integration Results

RT: 2.75
Area: 249272
Amount: 2.354388
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:50:24
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

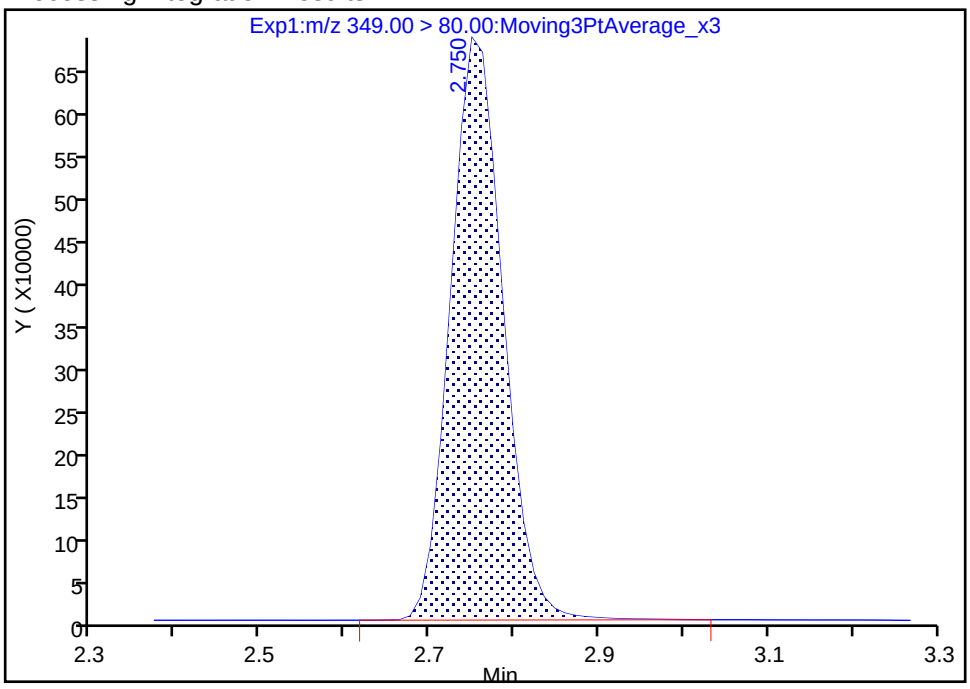
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 1

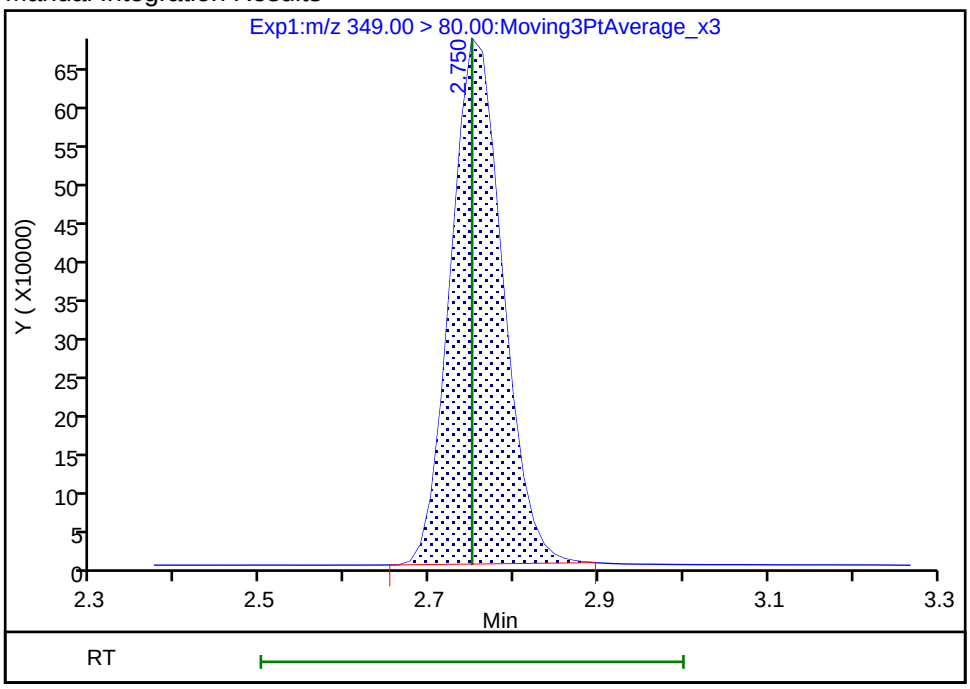
Processing Integration Results

RT: 2.75
Area: 2937539
Amount: 2.188212
Amount Units: ng/ml



Manual Integration Results

RT: 2.75
Area: 2909790
Amount: 2.167541
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:19:01
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

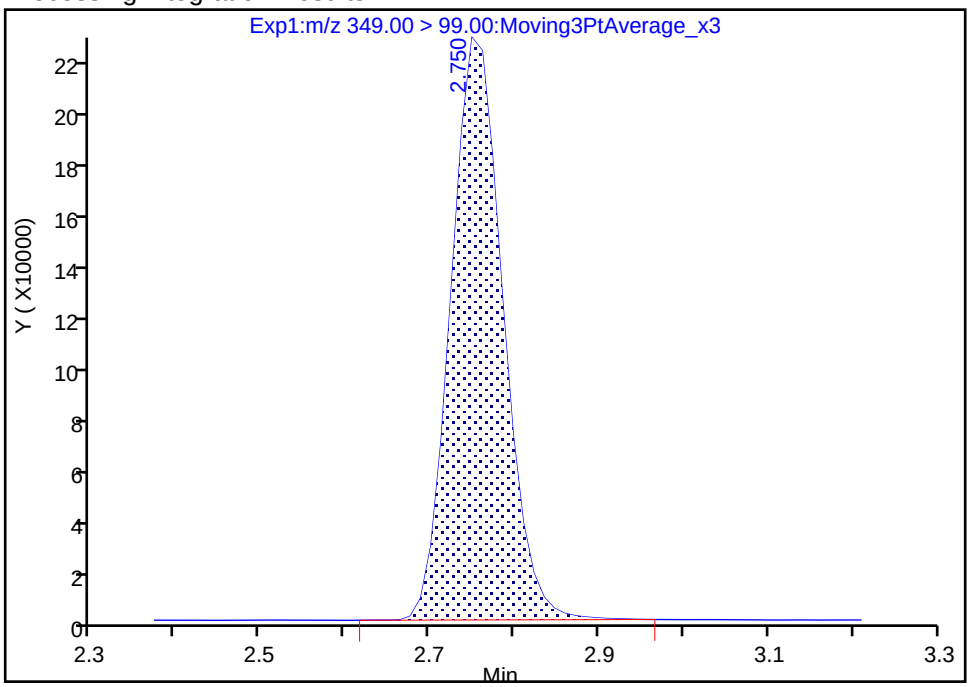
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

70 Perfluoropentanesulfonic acid, CAS: 2706-91-4

Signal: 2

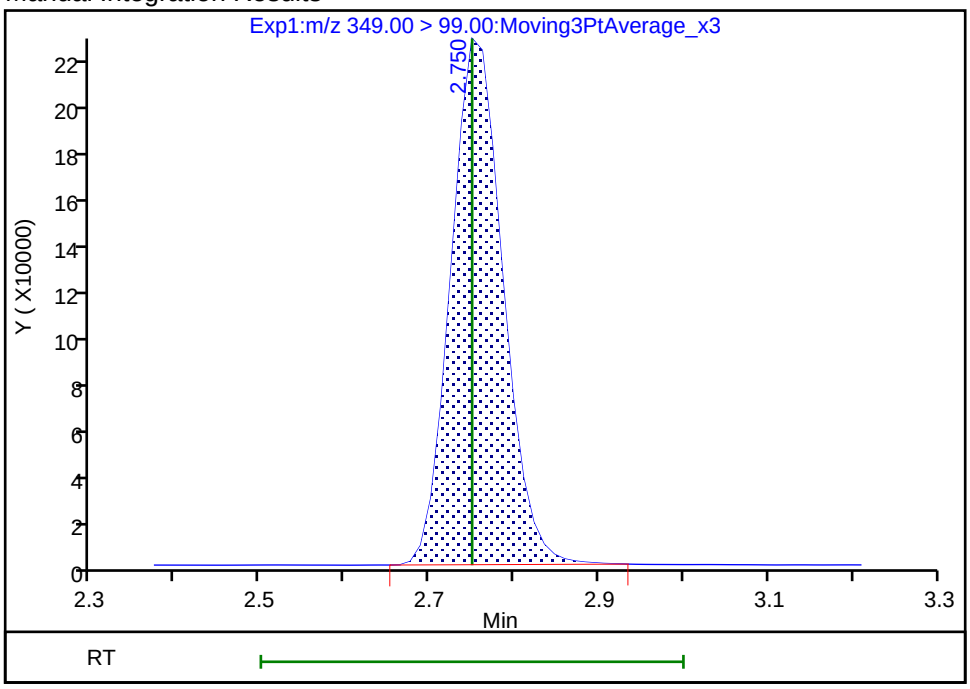
Processing Integration Results

RT: 2.75
Area: 954480
Amount: 2.188212
Amount Units: ng/ml



Manual Integration Results

RT: 2.75
Area: 952596
Amount: 2.167541
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:19:06
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

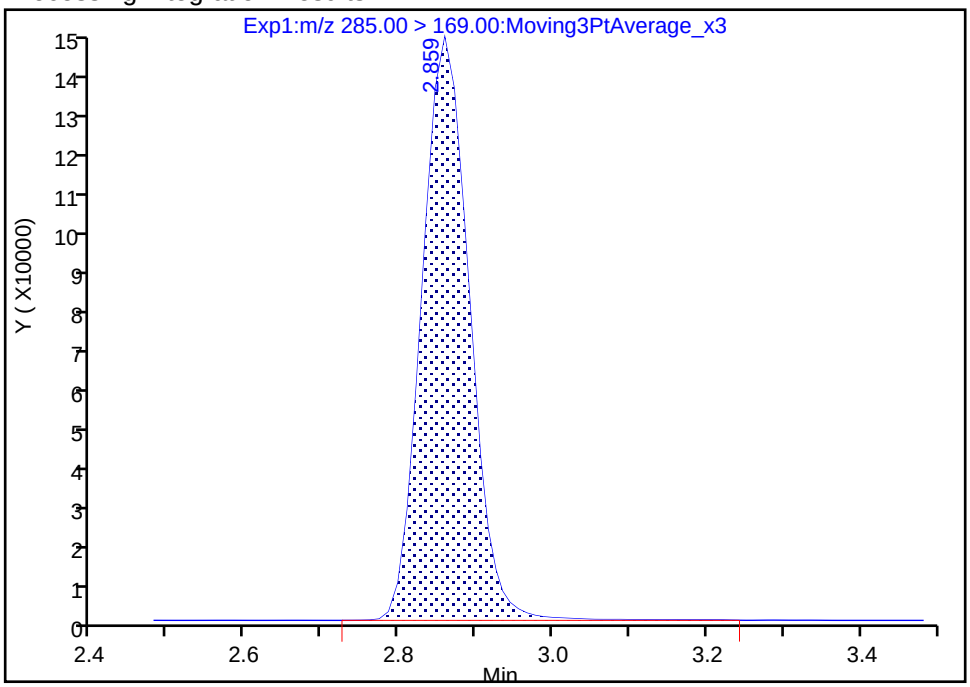
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Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

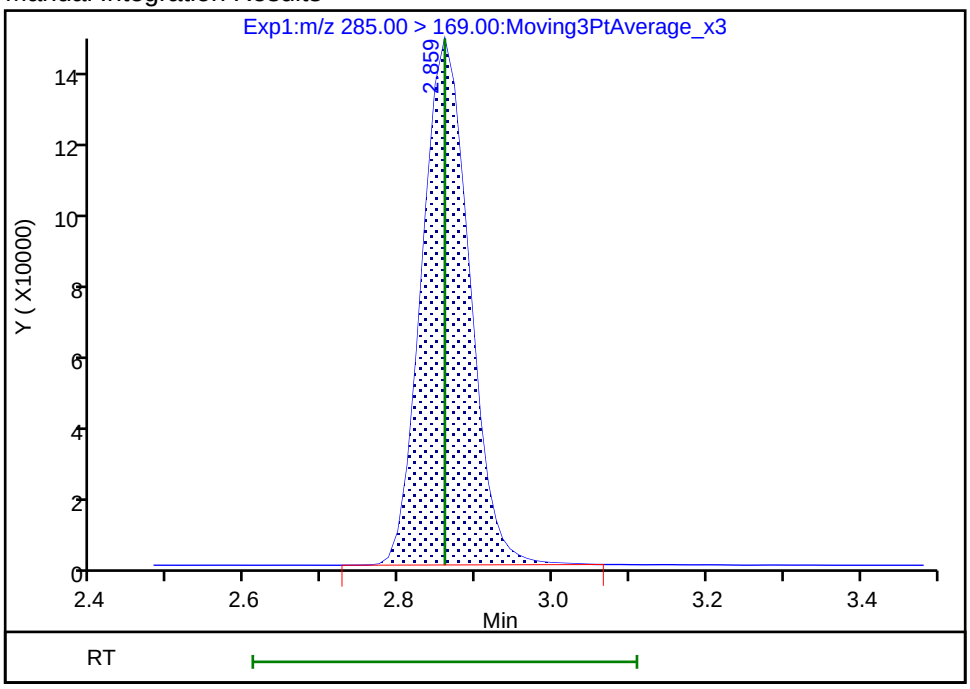
Processing Integration Results

RT: 2.86
Area: 611728
Amount: 2.281771
Amount Units: ng/ml



Manual Integration Results

RT: 2.86
Area: 608291
Amount: 2.268950
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:50:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

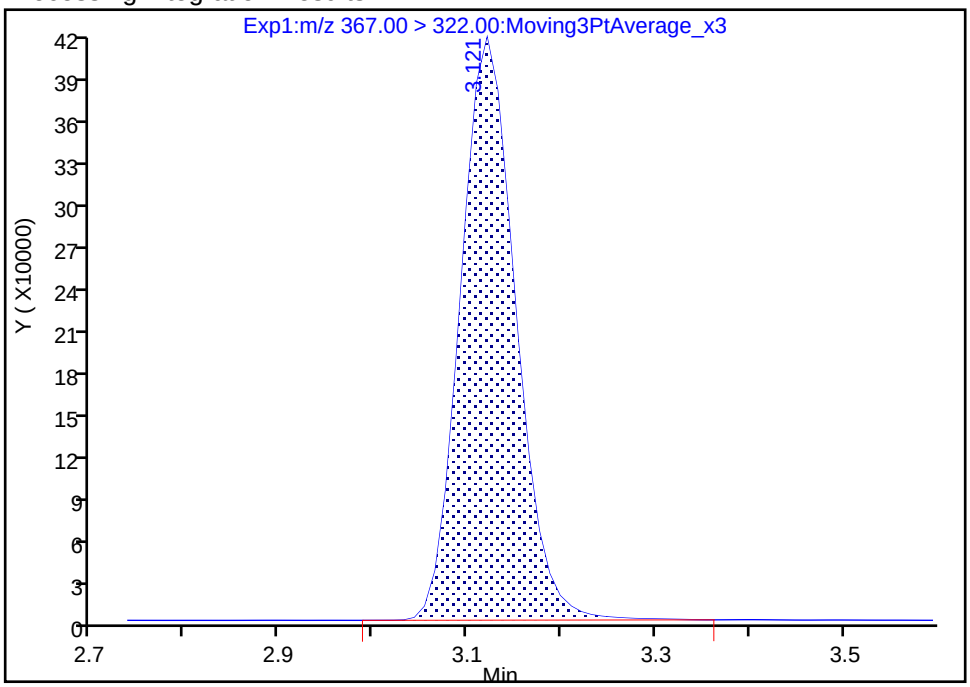
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Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 9 13C4 PFHpA, CAS: STL01892

Signal: 1

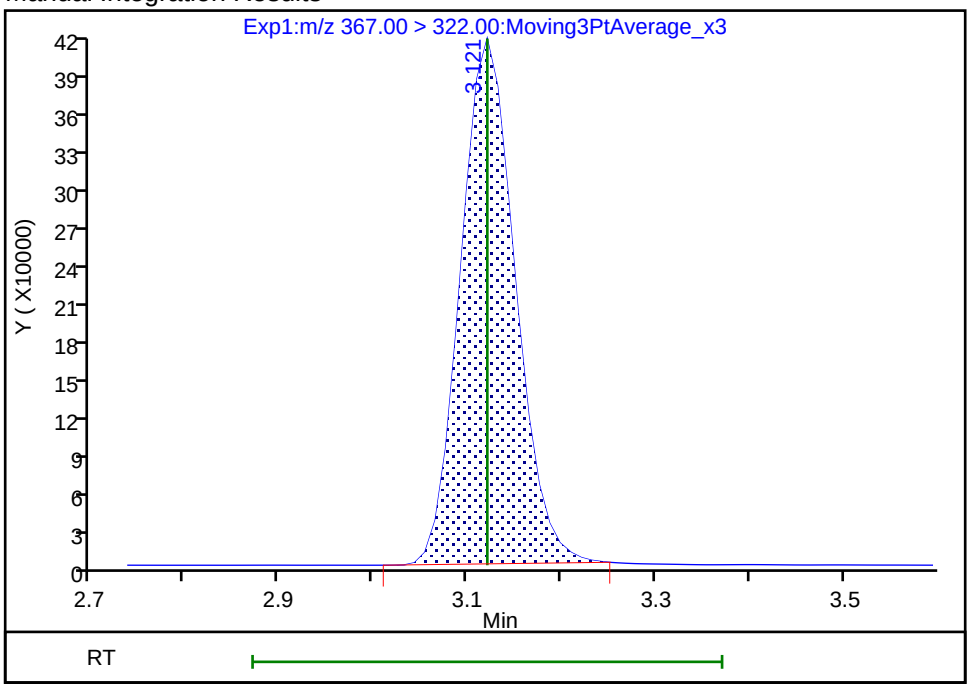
Processing Integration Results

RT: 3.12
Area: 1686335
Amount: 1.206899
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 1667005
Amount: 1.193065
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:19:20
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

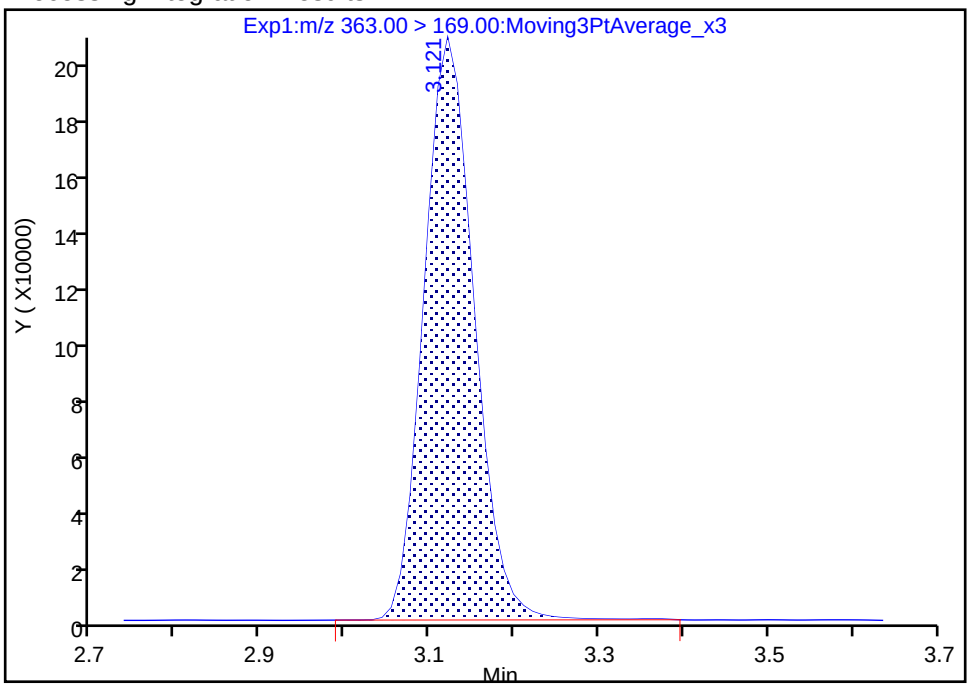
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

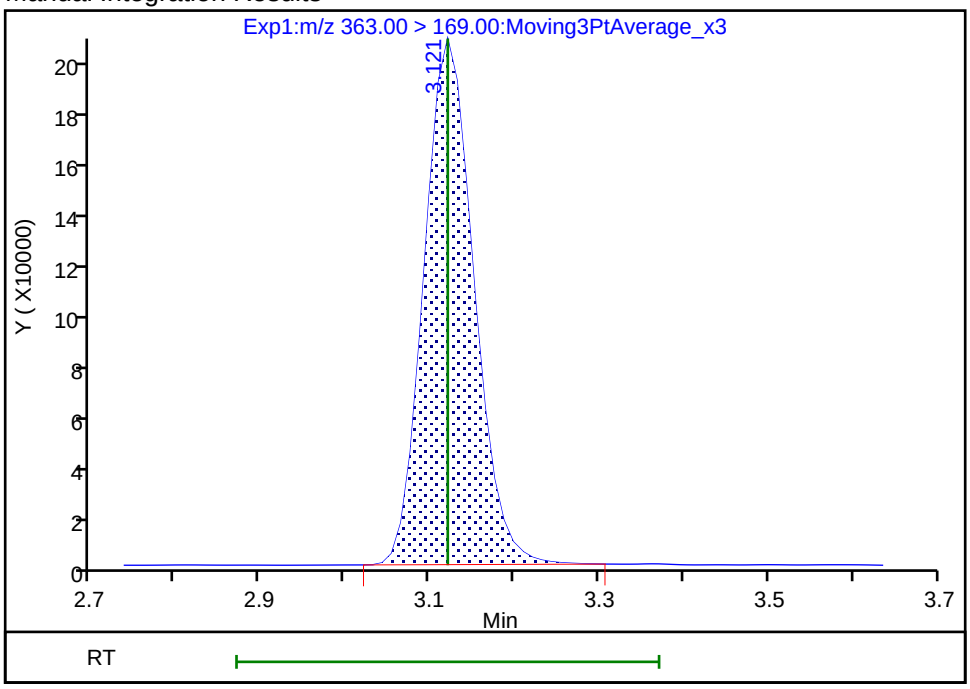
Processing Integration Results

RT: 3.12
Area: 857546
Amount: 2.290850
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 853722
Amount: 2.314796
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:51:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

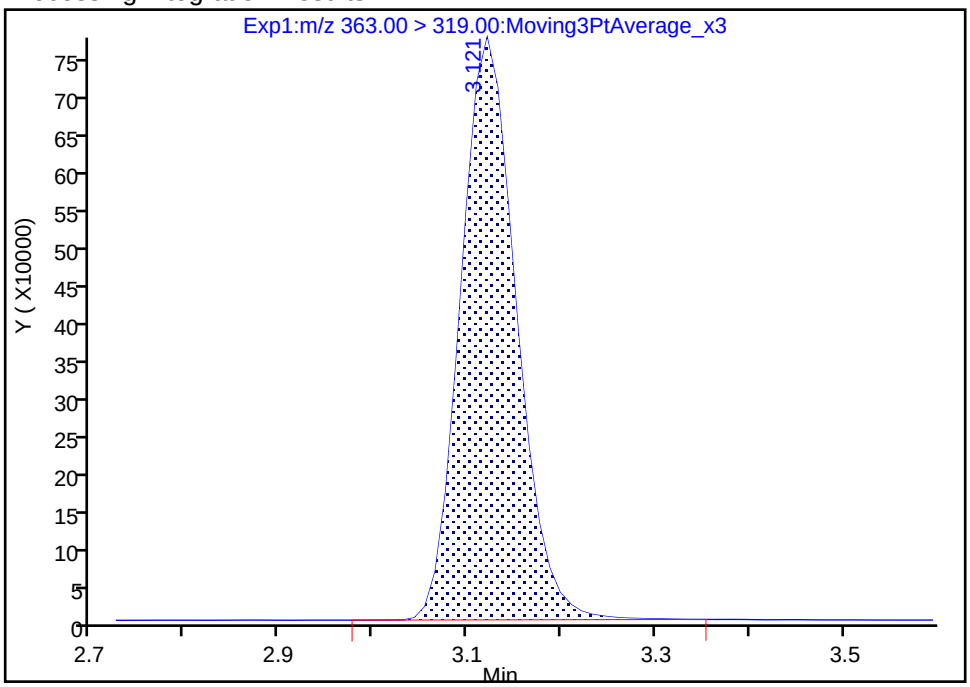
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Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

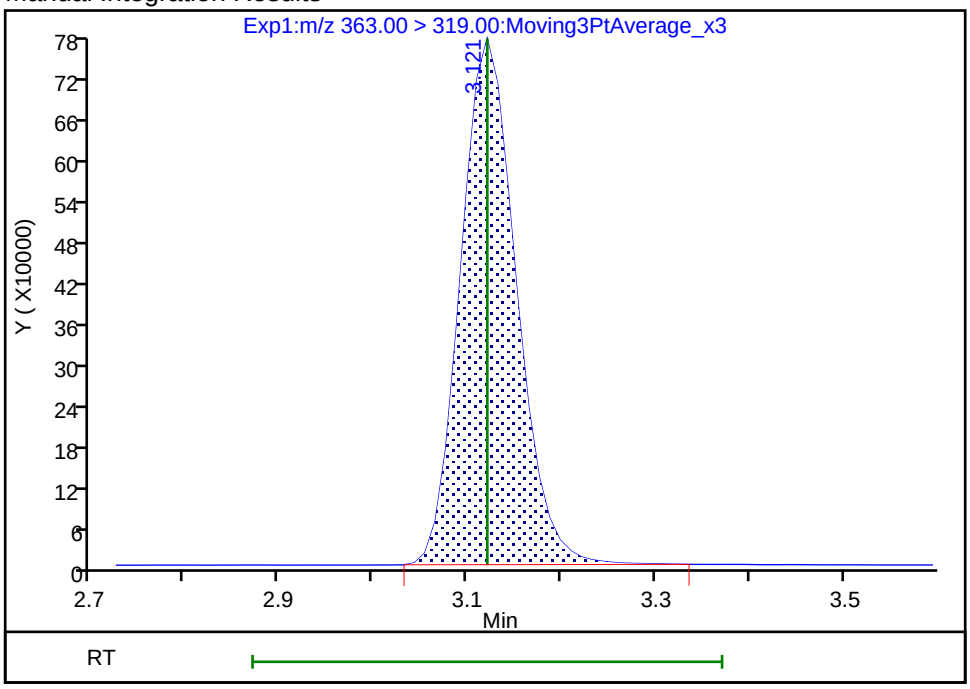
Processing Integration Results

RT: 3.12
Area: 3185080
Amount: 2.290850
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 3181482
Amount: 2.314796
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:51:22
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

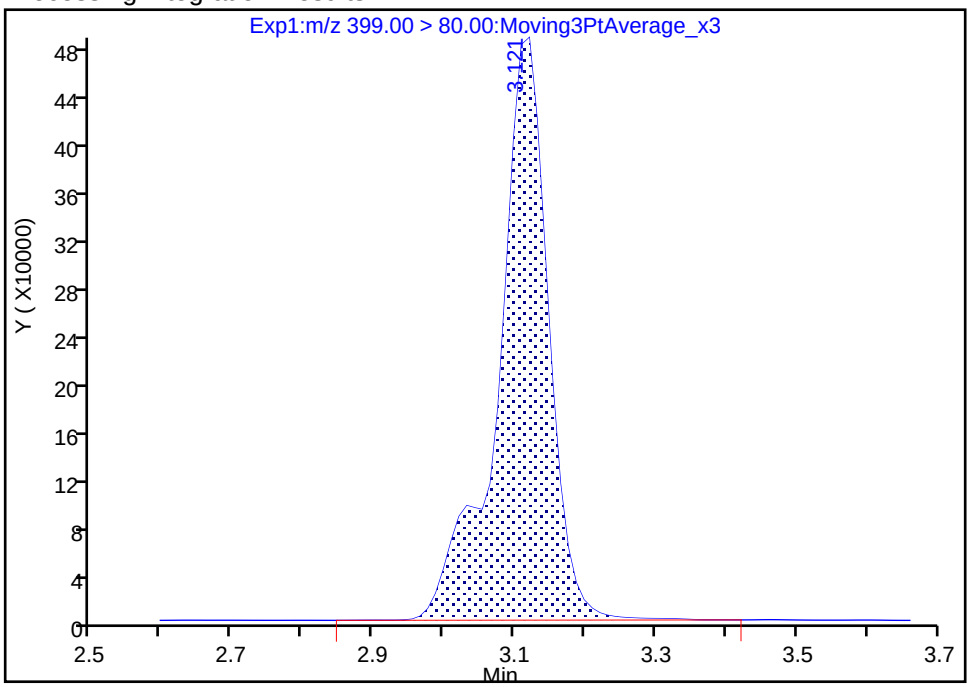
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

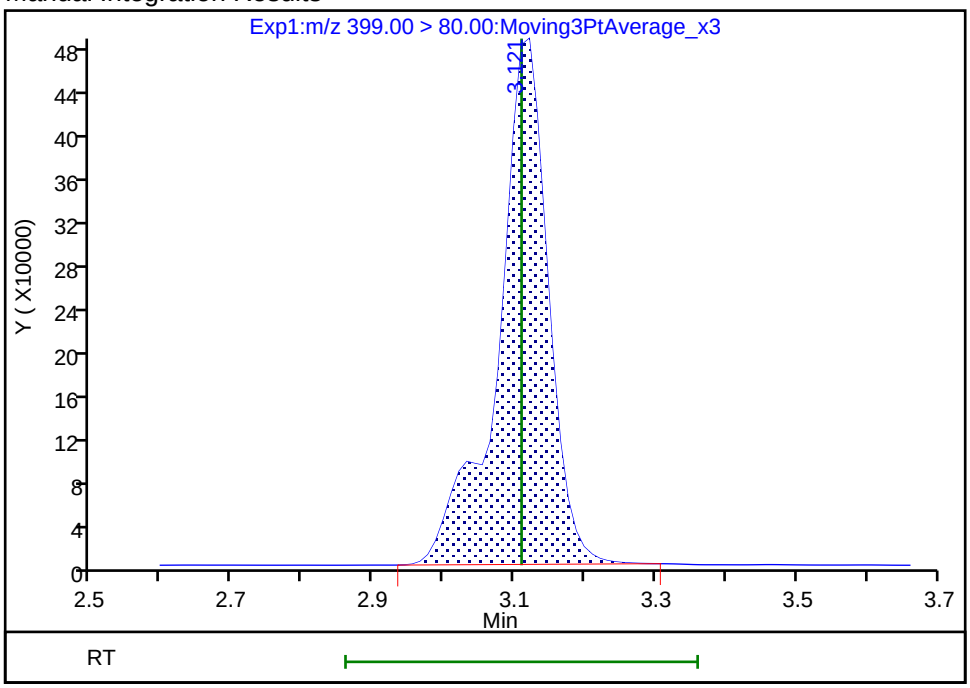
Processing Integration Results

RT: 3.12
Area: 2395350
Amount: 2.097618
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 2379193
Amount: 2.083469
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:50:54
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

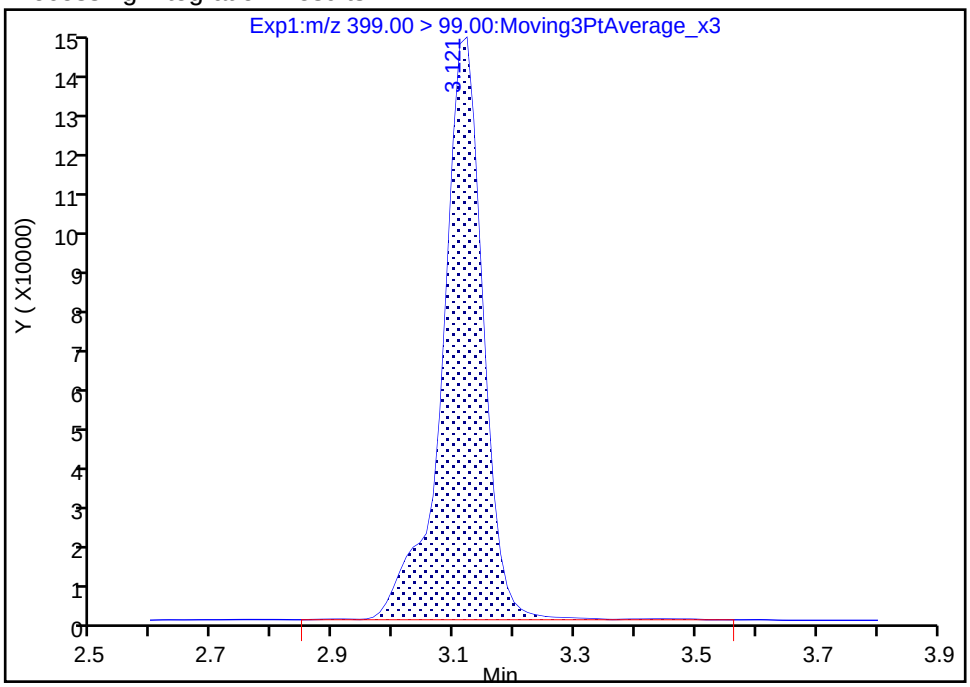
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

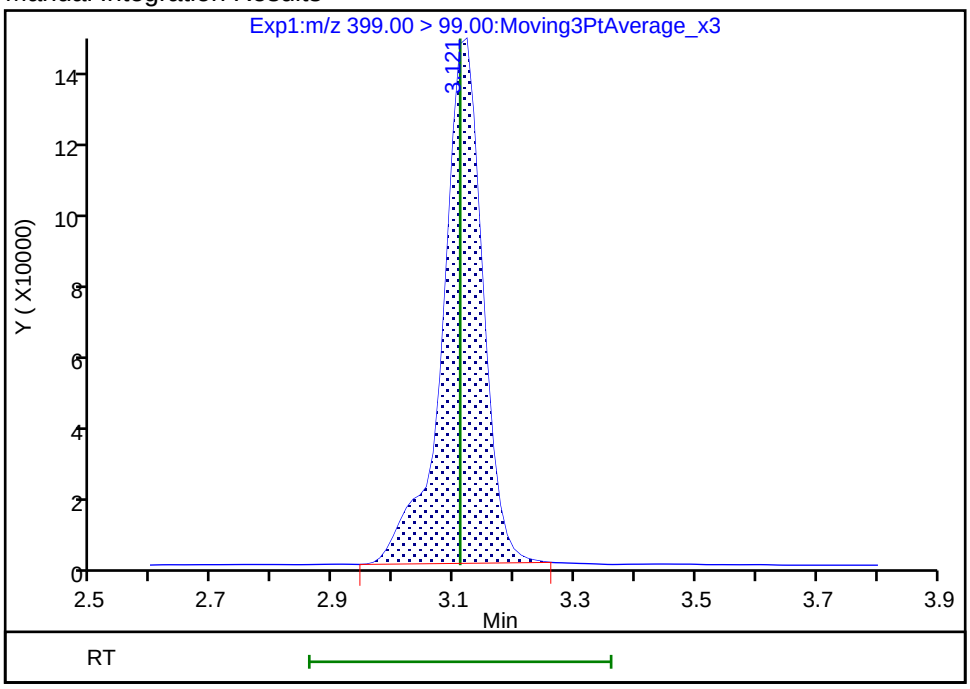
Processing Integration Results

RT: 3.12
Area: 698563
Amount: 2.097618
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 687991
Amount: 2.083469
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:19:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

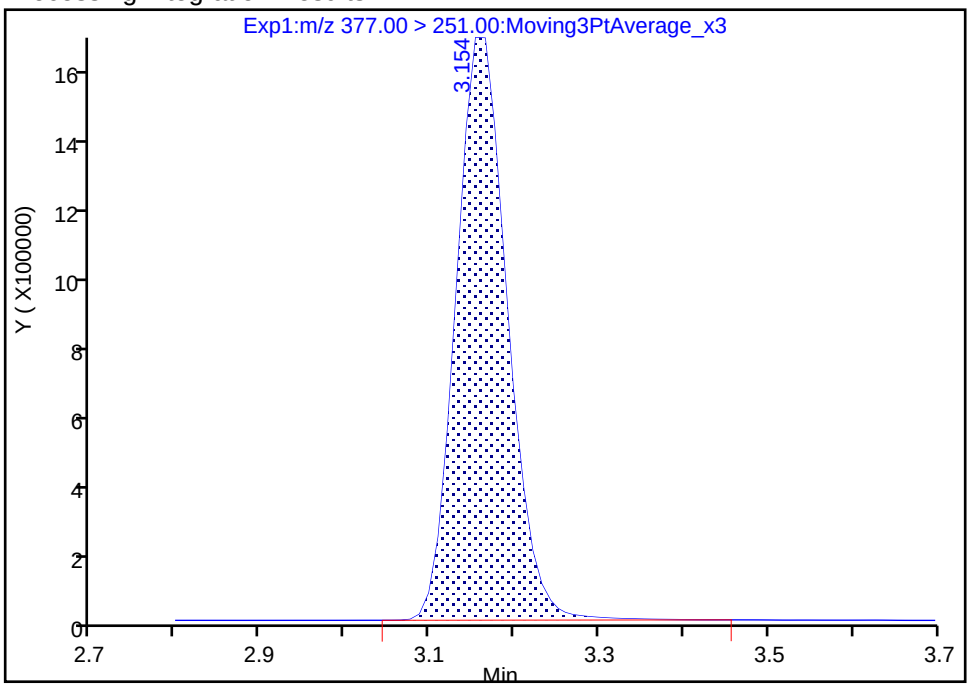
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

77 DONA, CAS: 919005-14-4

Signal: 1

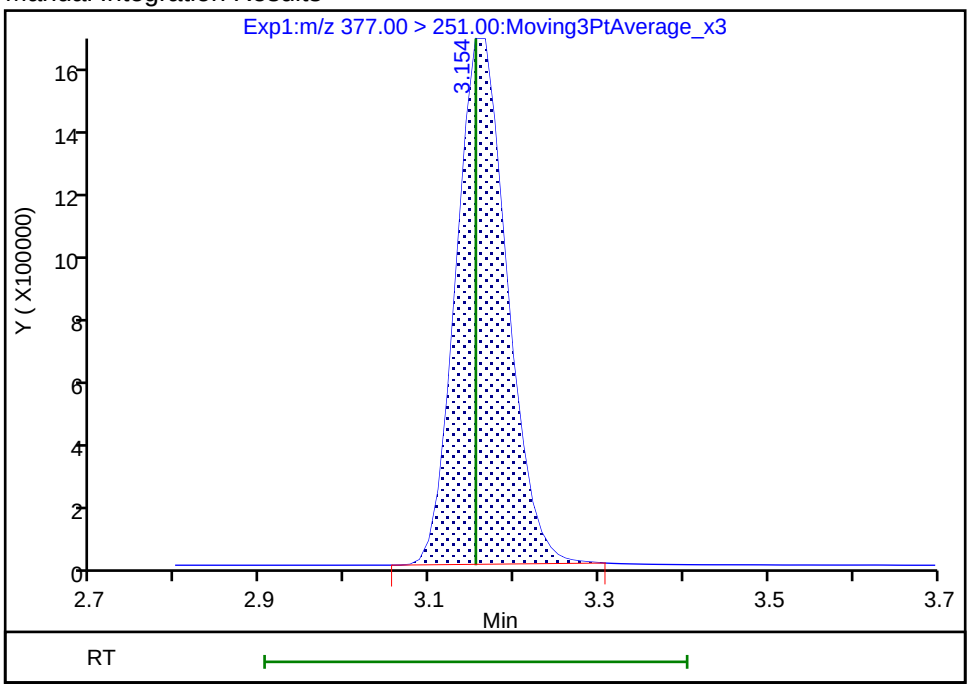
Processing Integration Results

RT: 3.15
Area: 6963653
Amount: 2.212067
Amount Units: ng/ml



Manual Integration Results

RT: 3.15
Area: 6903881
Amount: 2.193080
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:19:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

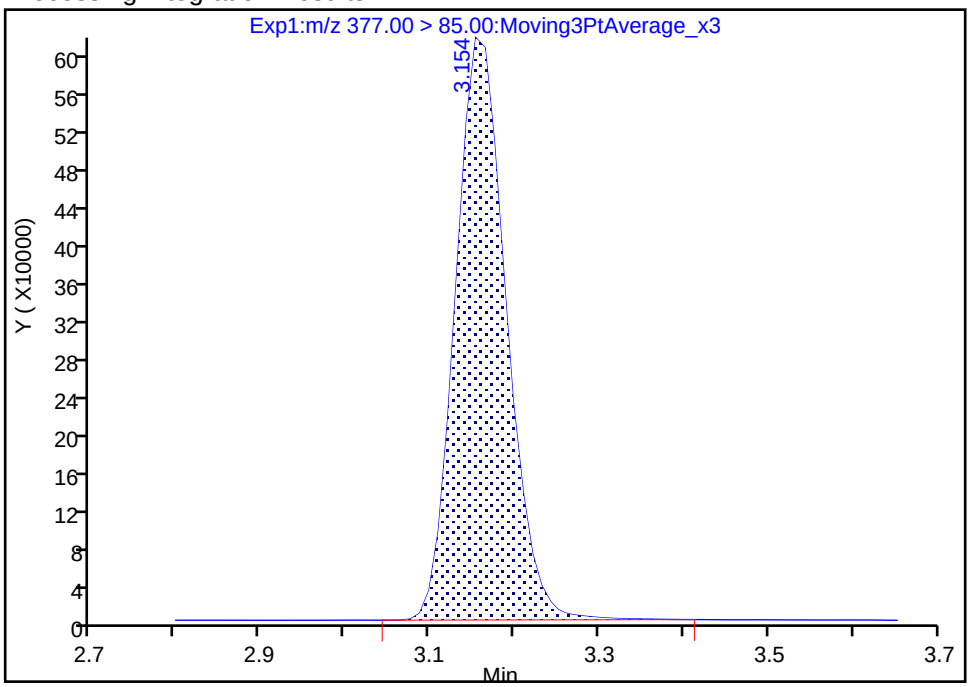
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

77 DONA, CAS: 919005-14-4

Signal: 2

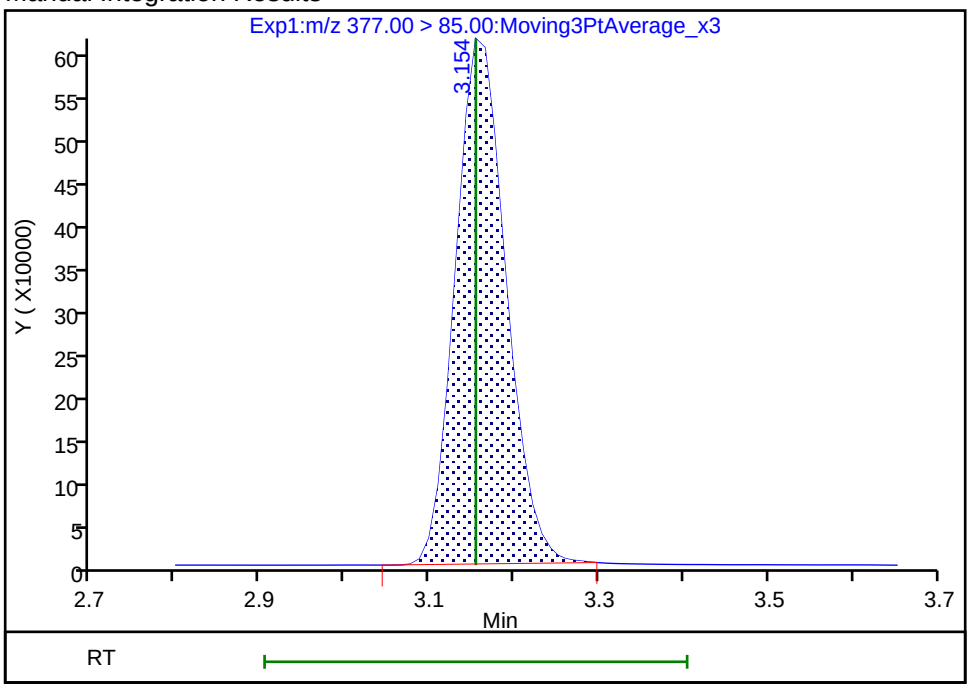
Processing Integration Results

RT: 3.15
Area: 2560674
Amount: 2.212067
Amount Units: ng/ml



Manual Integration Results

RT: 3.15
Area: 2536036
Amount: 2.193080
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:19:29
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

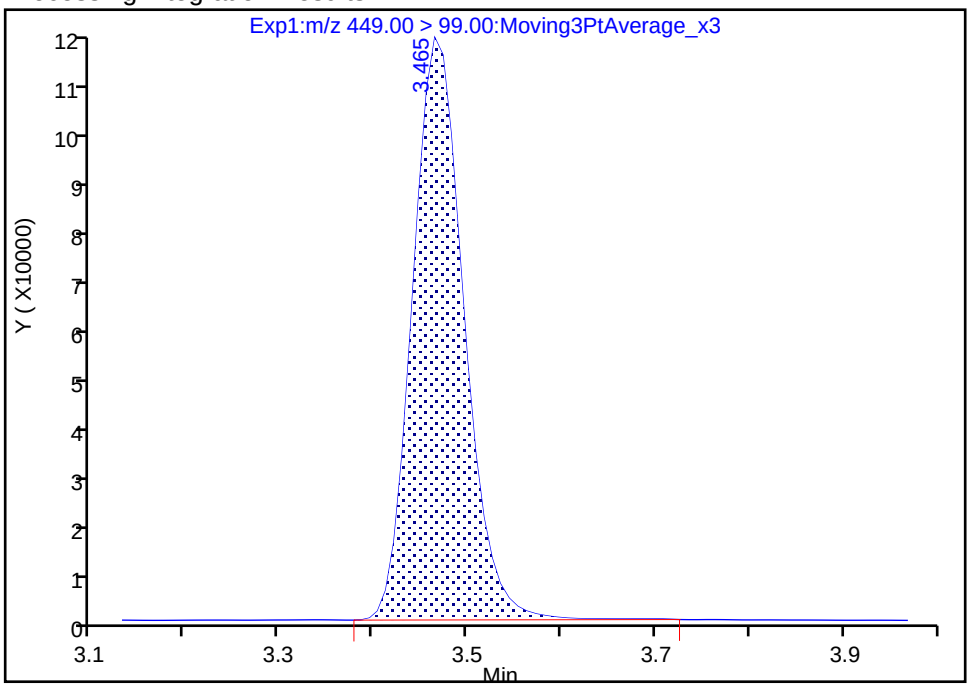
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

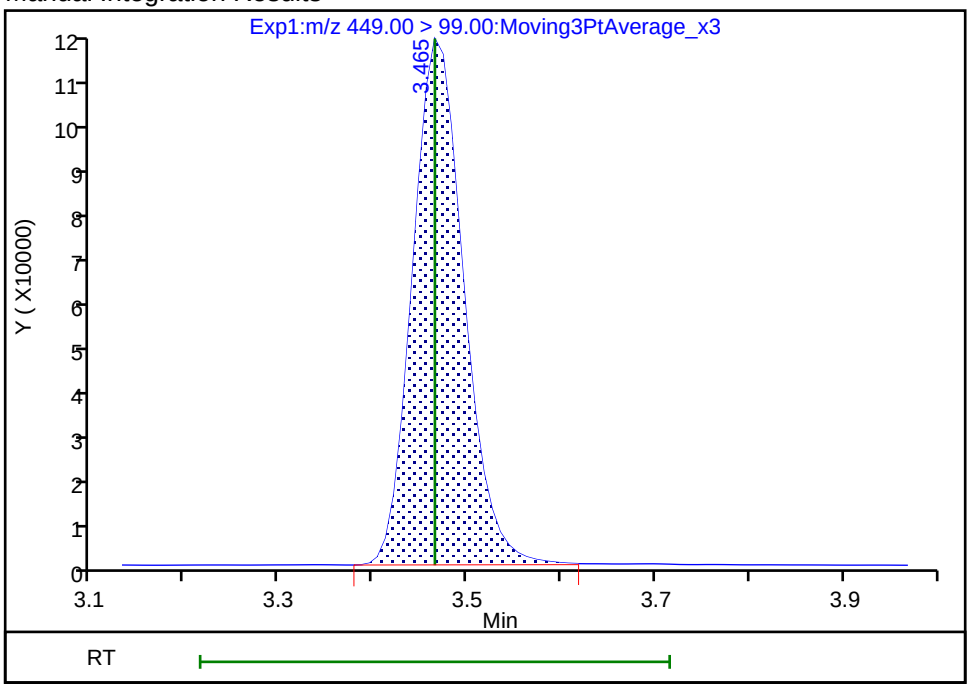
Processing Integration Results

RT: 3.46
Area: 425732
Amount: 2.189045
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 424814
Amount: 2.164685
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:51:58
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

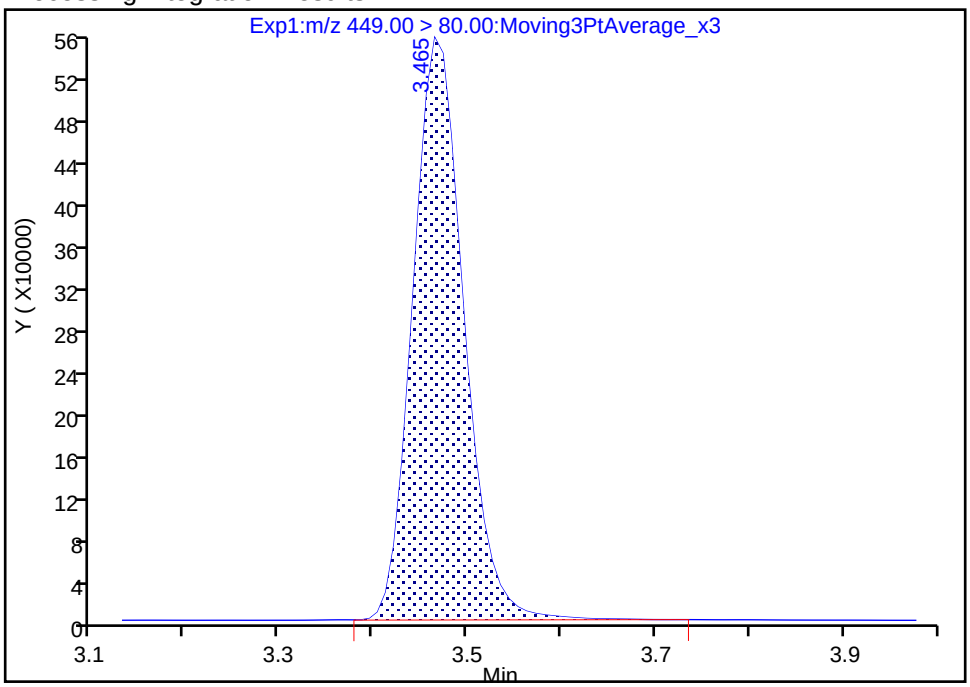
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d				
Injection Date:	04-Aug-2022 17:01:16	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

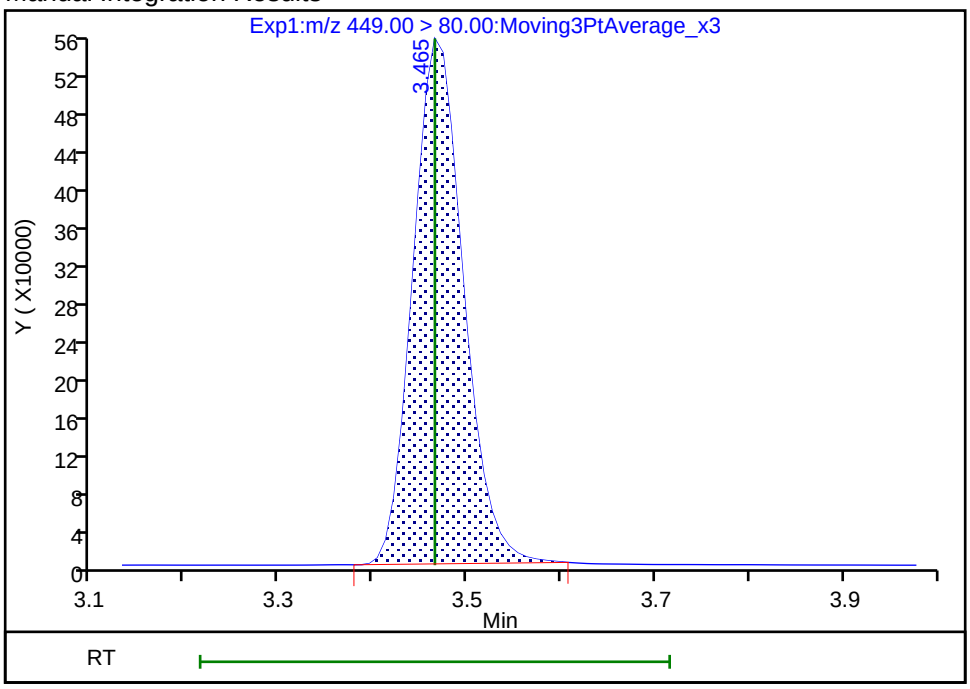
Processing Integration Results

RT: 3.46
Area: 2067993
Amount: 2.189045
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 2044980
Amount: 2.164685
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:19:36

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

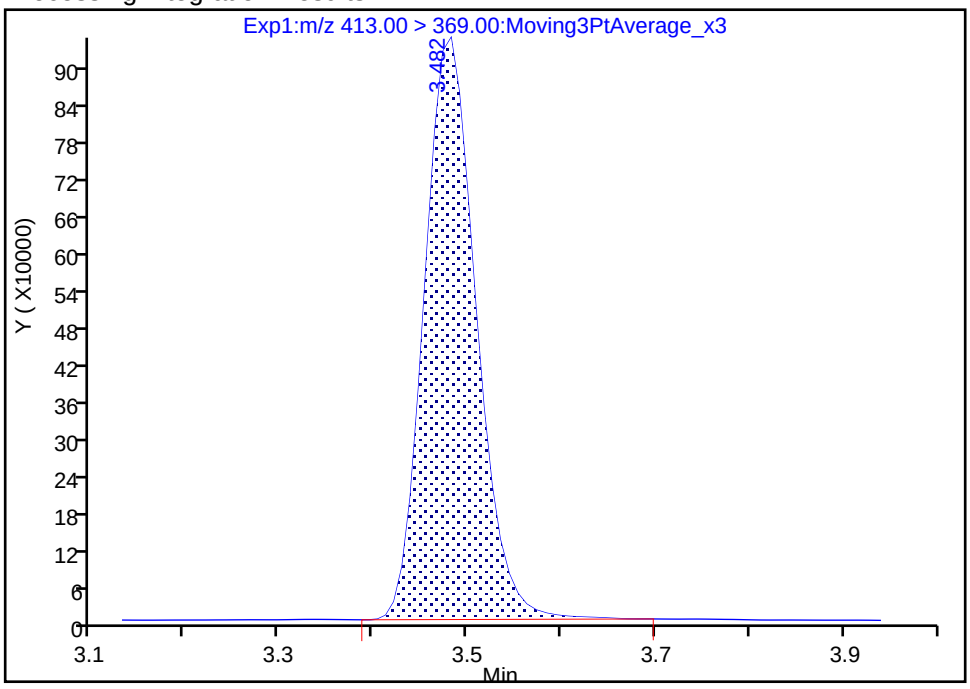
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Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

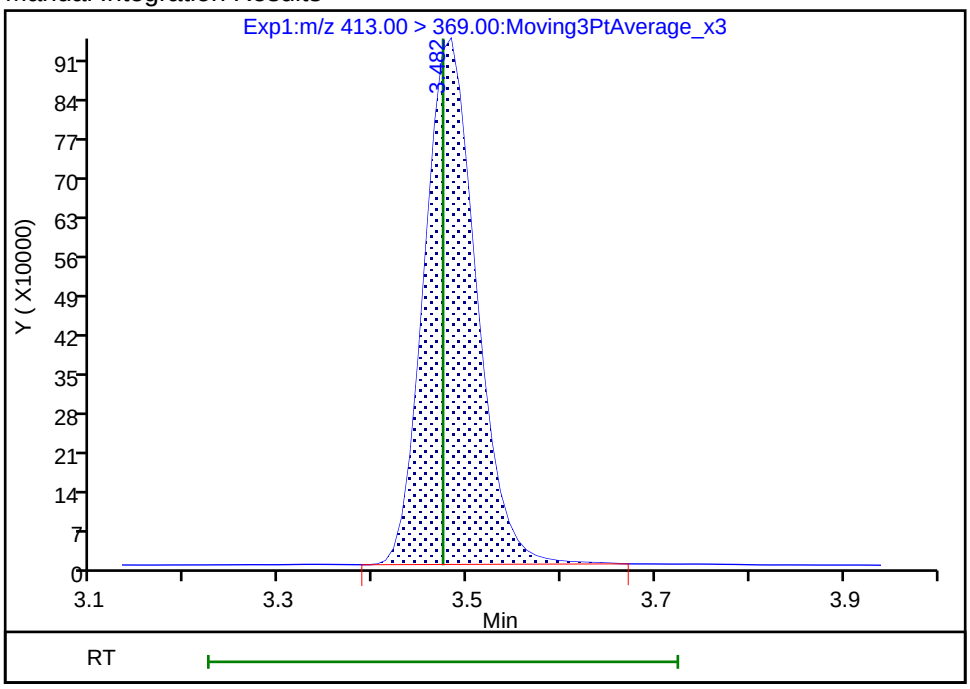
Processing Integration Results

RT: 3.48
Area: 3621905
Amount: 2.277576
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 3619102
Amount: 2.275814
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:52:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

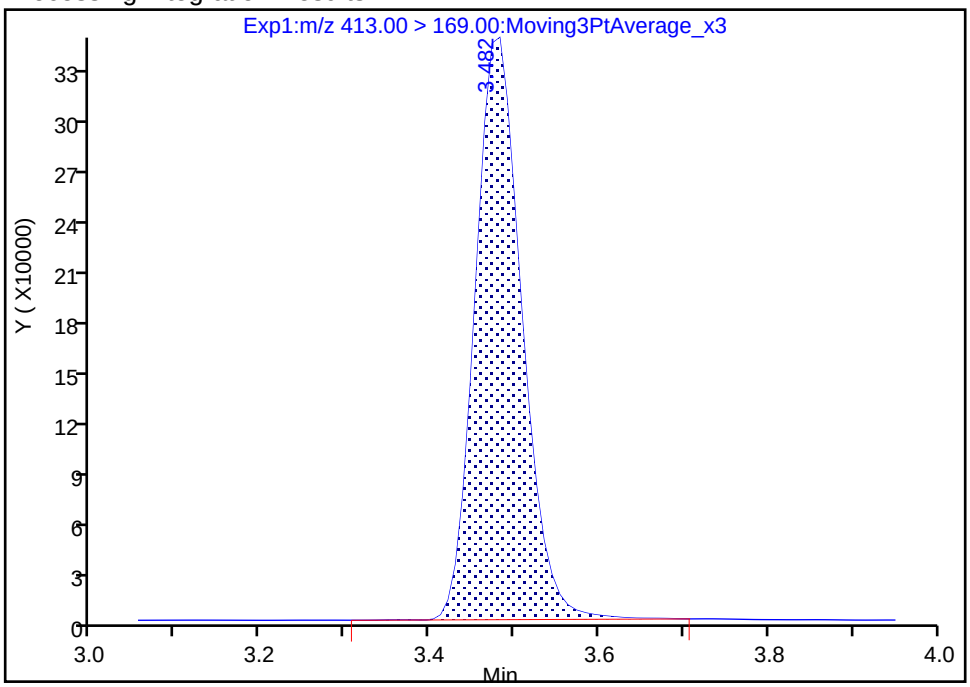
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

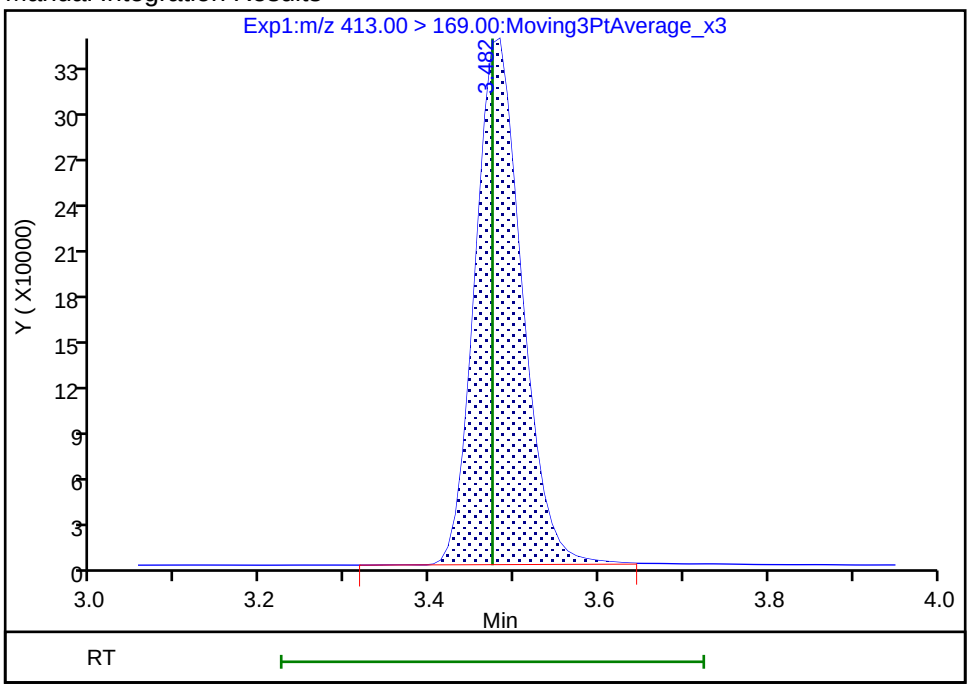
Processing Integration Results

RT: 3.48
Area: 1332614
Amount: 2.277576
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 1331331
Amount: 2.275814
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:52:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

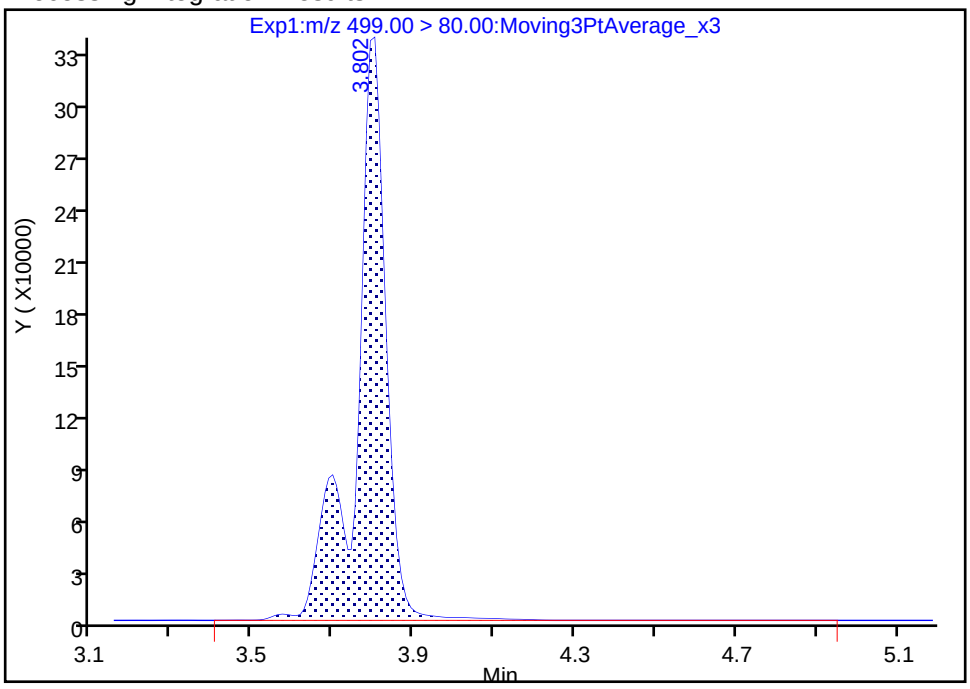
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

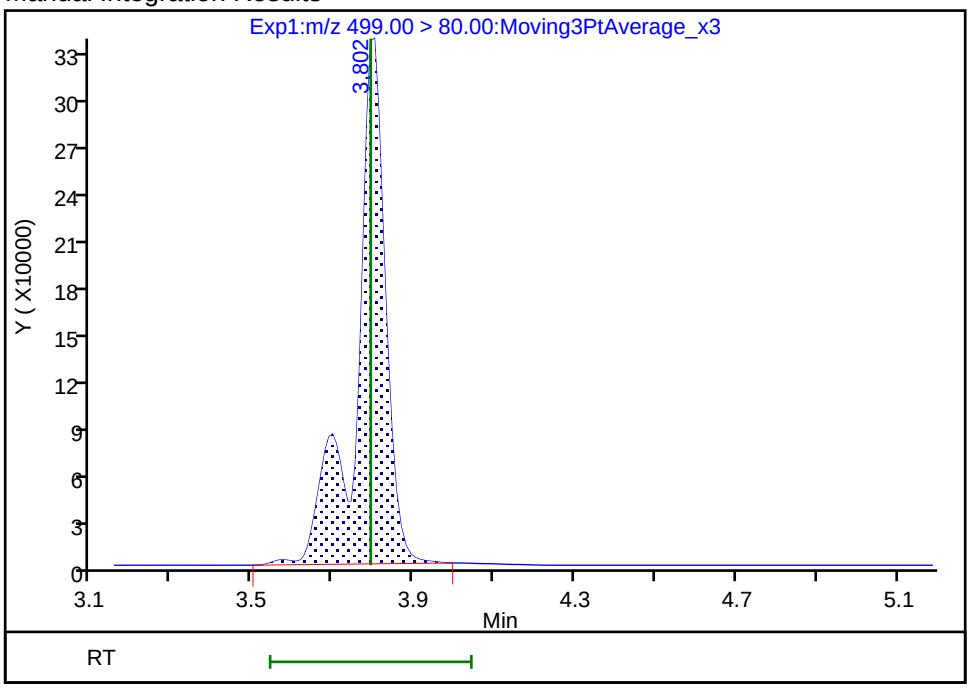
Processing Integration Results

RT: 3.80
Area: 1736969
Amount: 2.265657
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 1703789
Amount: 2.222025
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:52:27
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

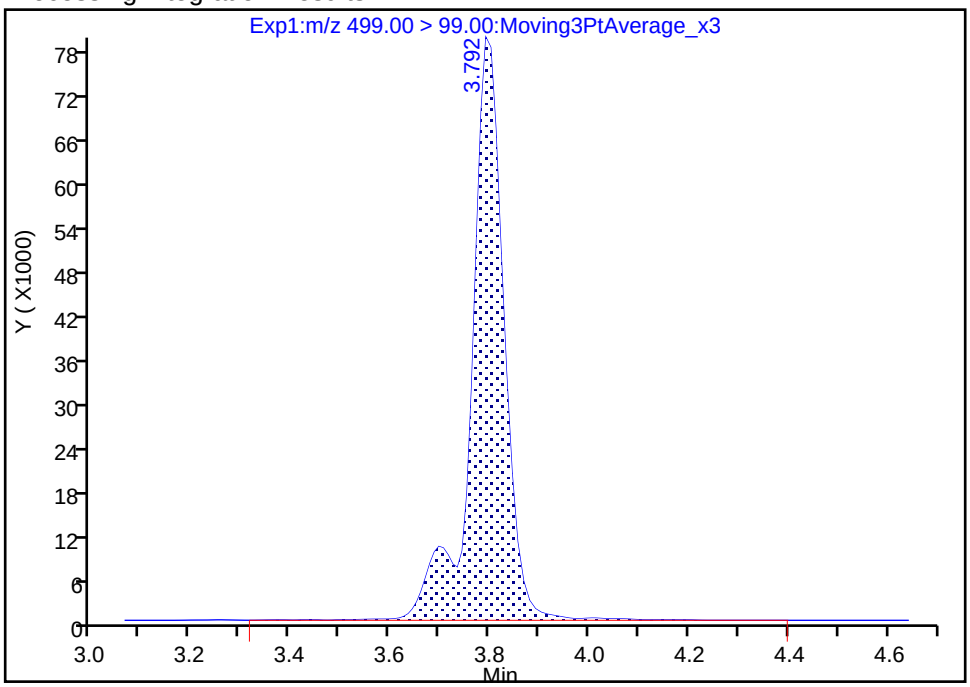
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

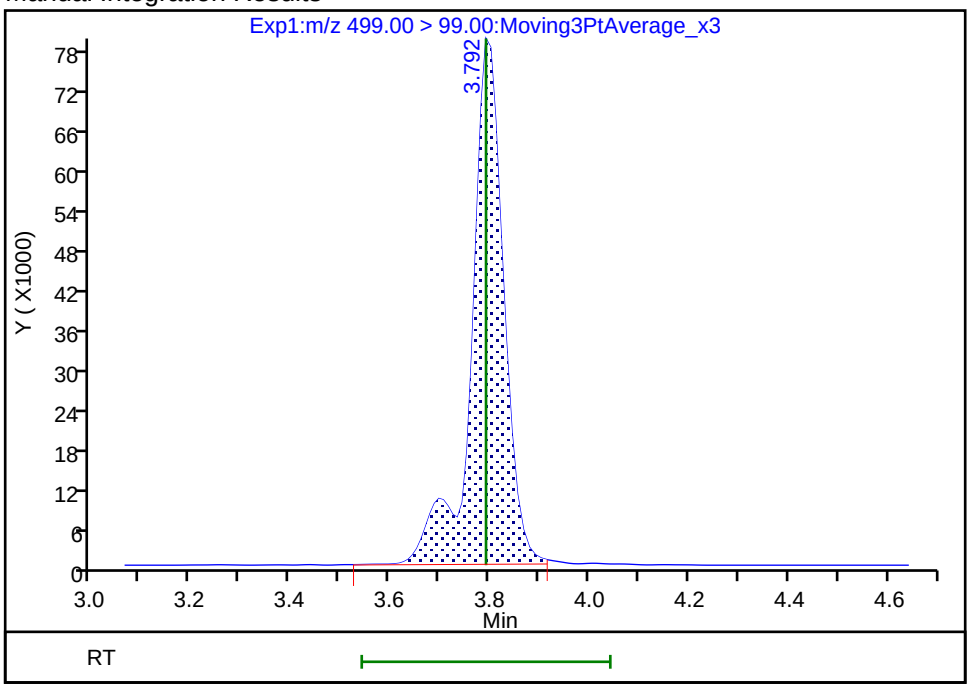
Processing Integration Results

RT: 3.79
Area: 369168
Amount: 2.265657
Amount Units: ng/ml



Manual Integration Results

RT: 3.79
Area: 362476
Amount: 2.222025
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:52:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

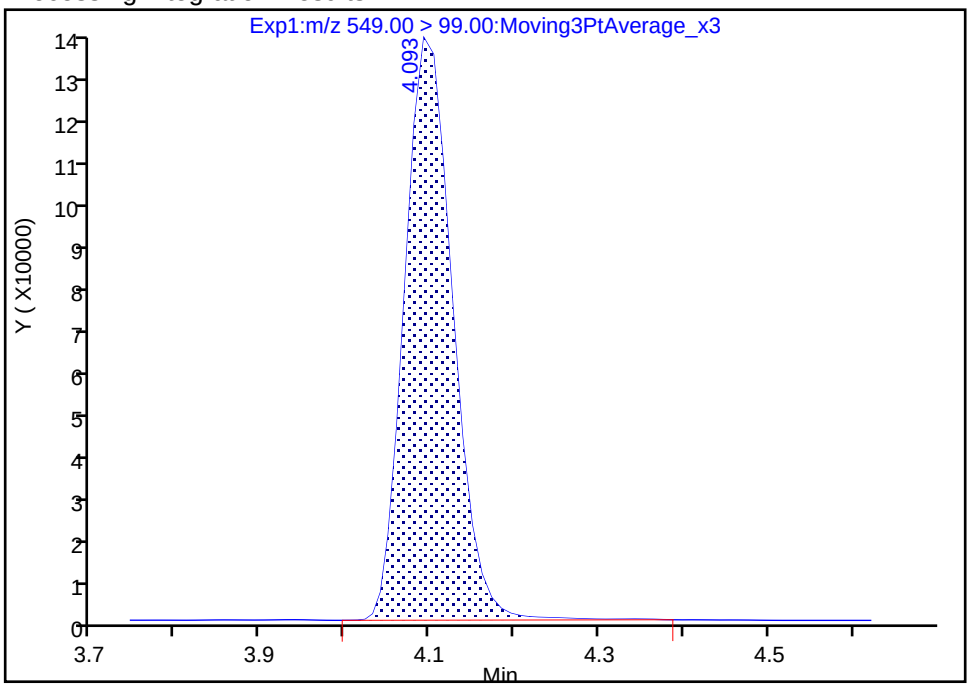
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

68 Perfluorononanesulfonic acid, CAS: 68259-12-1

Signal: 2

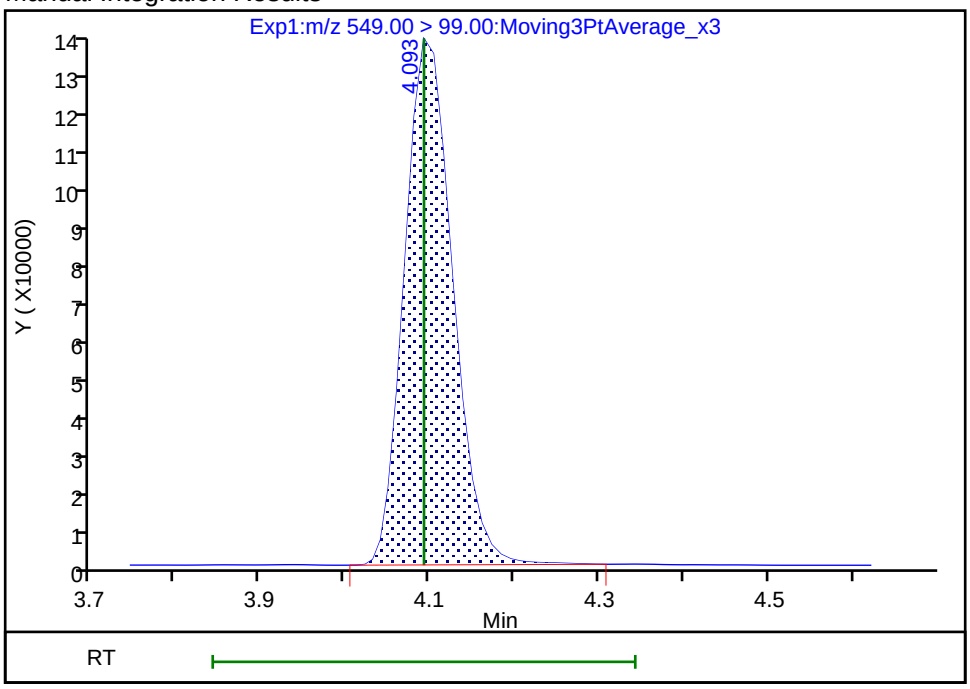
Processing Integration Results

RT: 4.09
Area: 546178
Amount: 2.188996
Amount Units: ng/ml



Manual Integration Results

RT: 4.09
Area: 544345
Amount: 2.188996
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:53:06
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

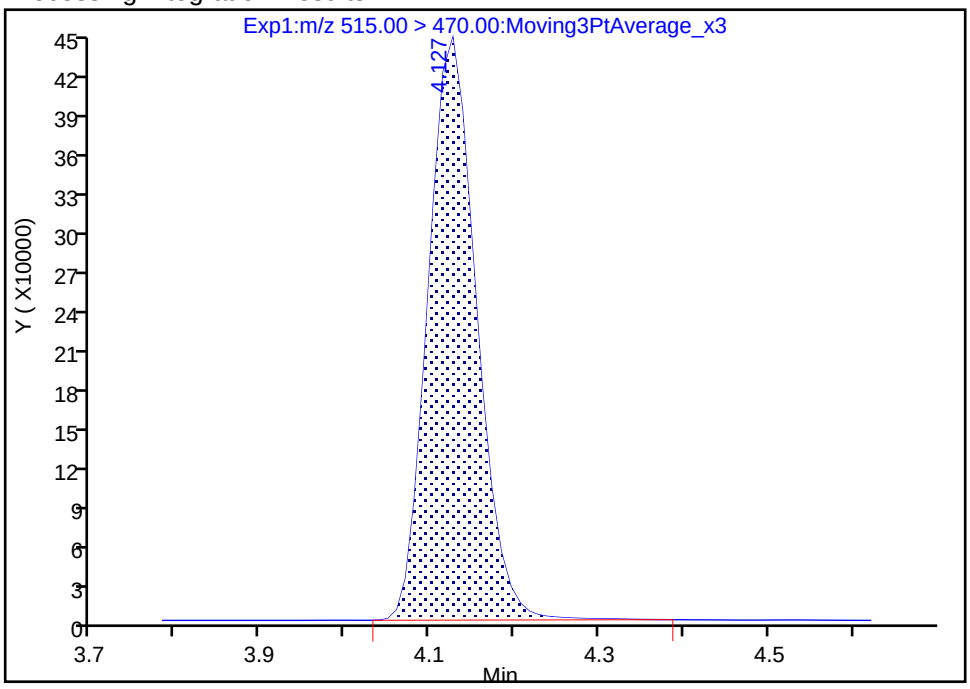
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

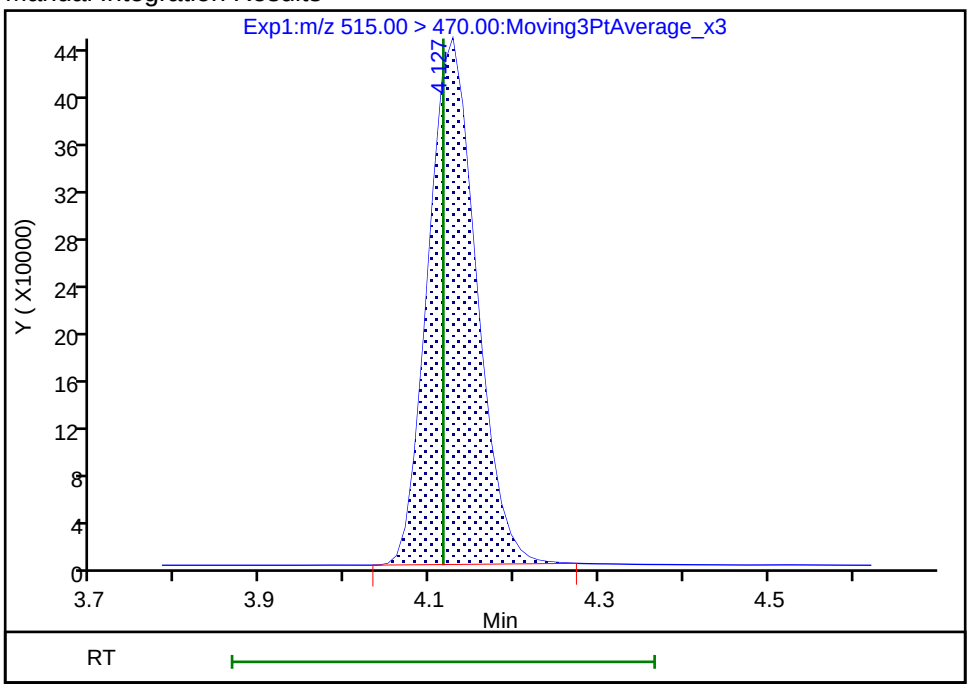
Processing Integration Results

RT: 4.13
Area: 1758237
Amount: 1.215418
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 1746324
Amount: 1.207183
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:19:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

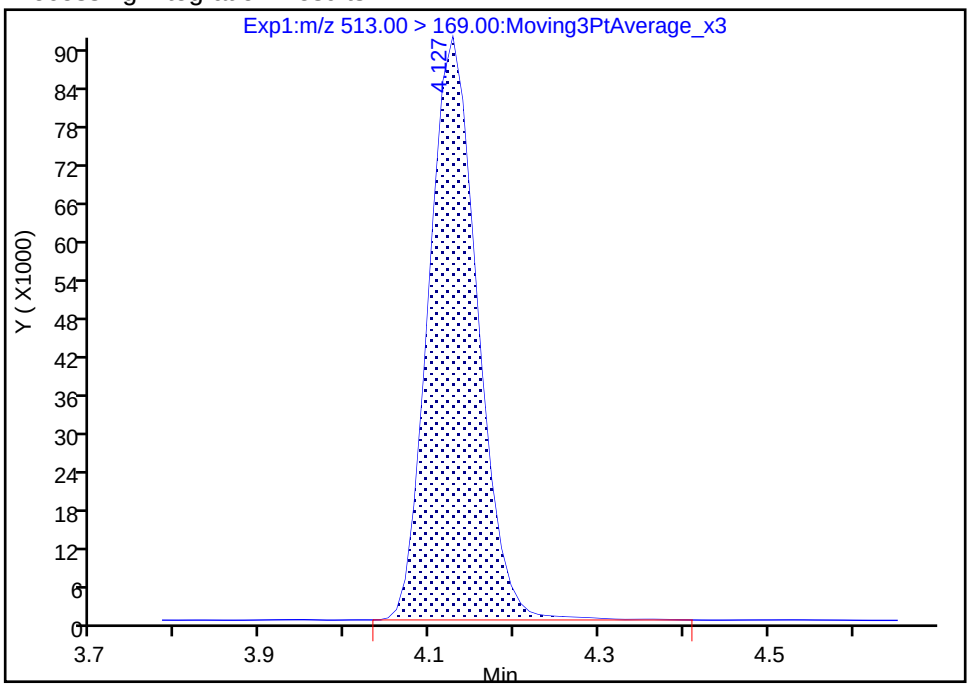
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Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

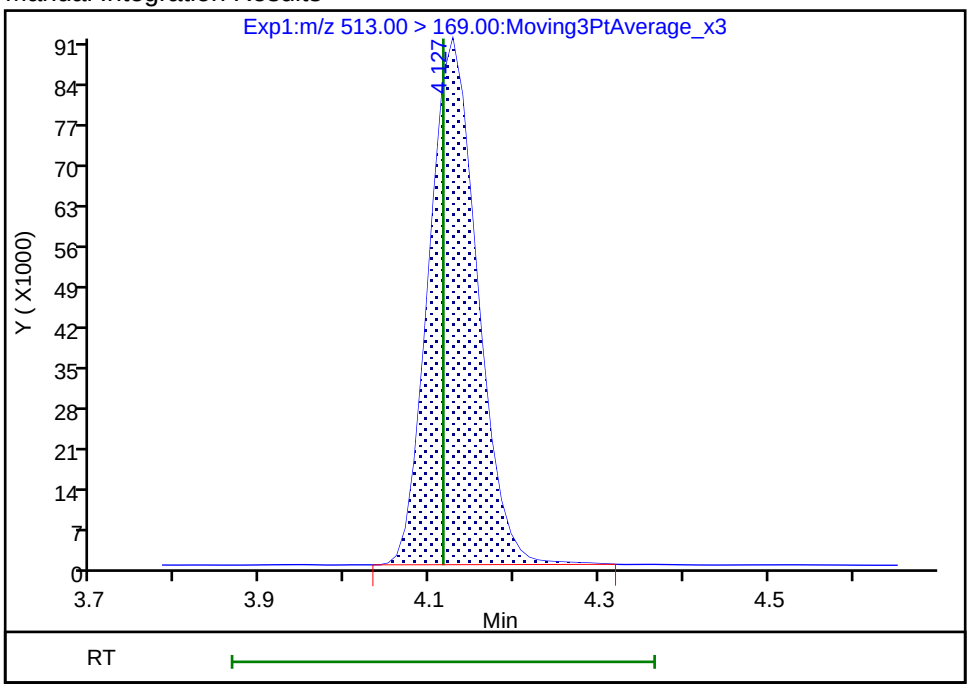
Processing Integration Results

RT: 4.13
Area: 364433
Amount: 2.318854
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 363282
Amount: 2.334673
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:53:17
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

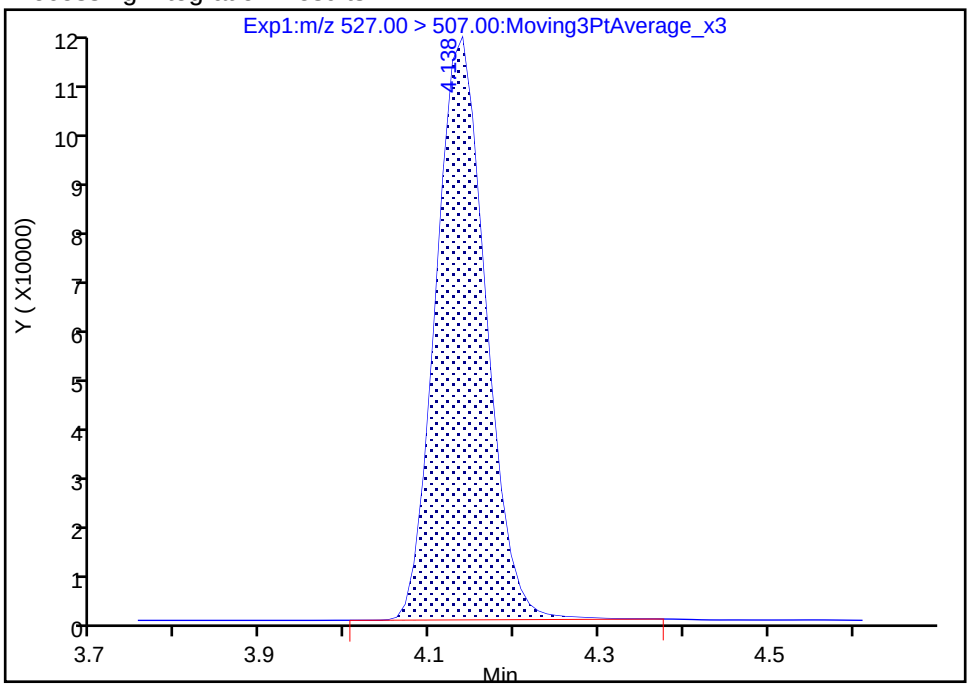
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

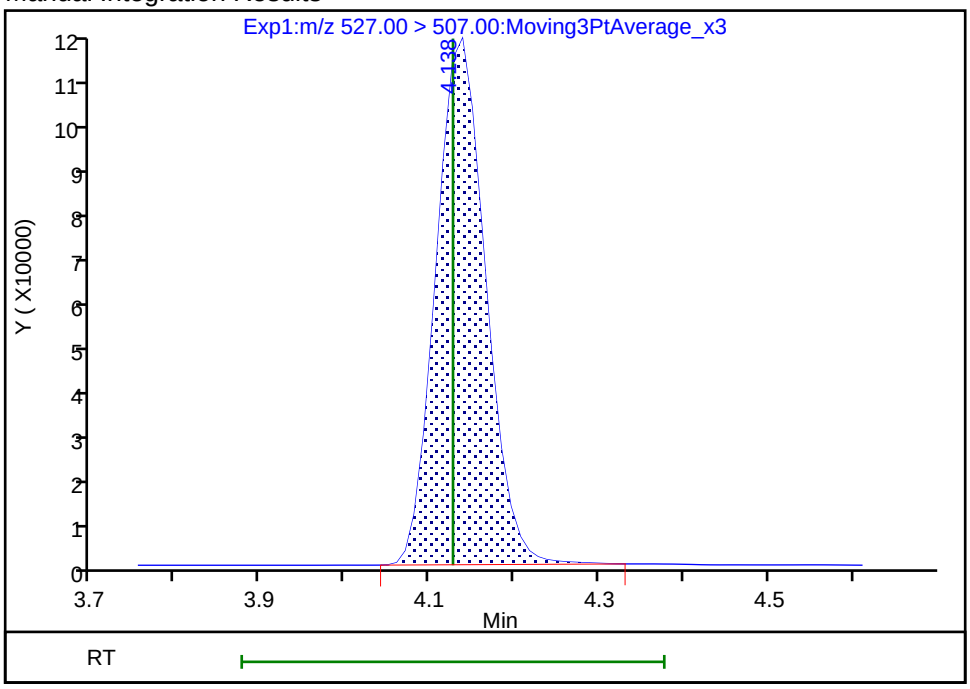
Processing Integration Results

RT: 4.14
Area: 452614
Amount: 2.284394
Amount Units: ng/ml



Manual Integration Results

RT: 4.14
Area: 452029
Amount: 2.281442
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:53:25
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

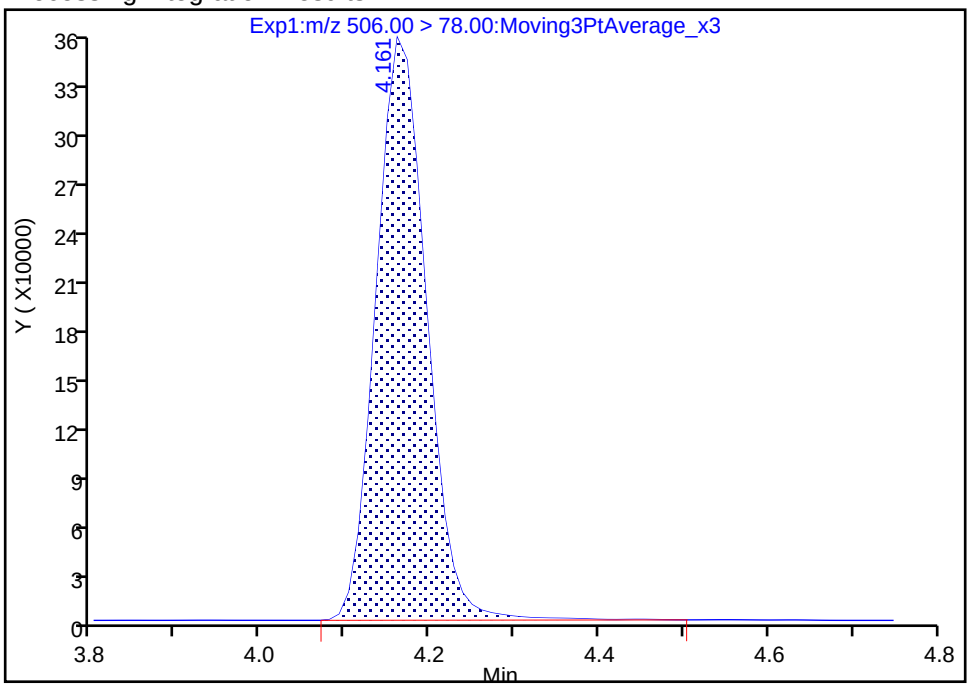
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Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

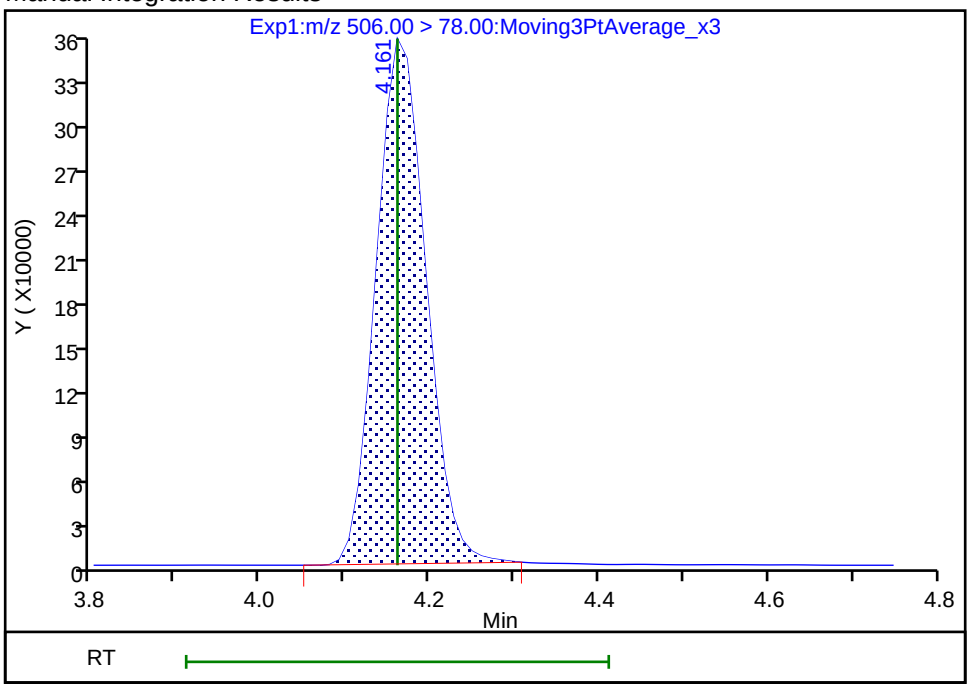
Processing Integration Results

RT: 4.16
Area: 1475296
Amount: 1.165220
Amount Units: ng/ml



Manual Integration Results

RT: 4.16
Area: 1453543
Amount: 1.148039
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:20:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

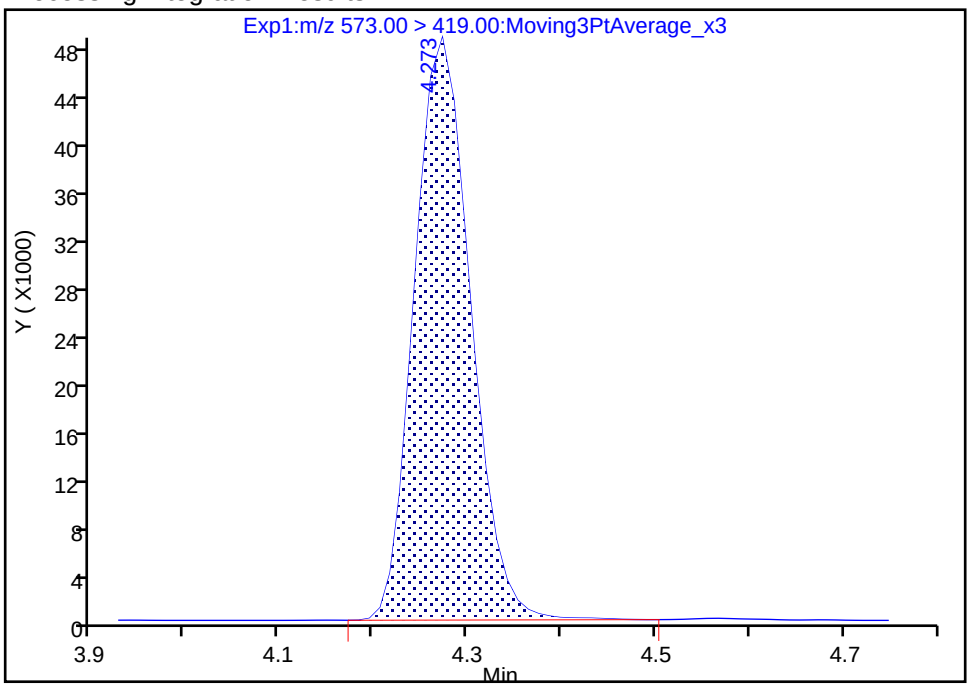
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

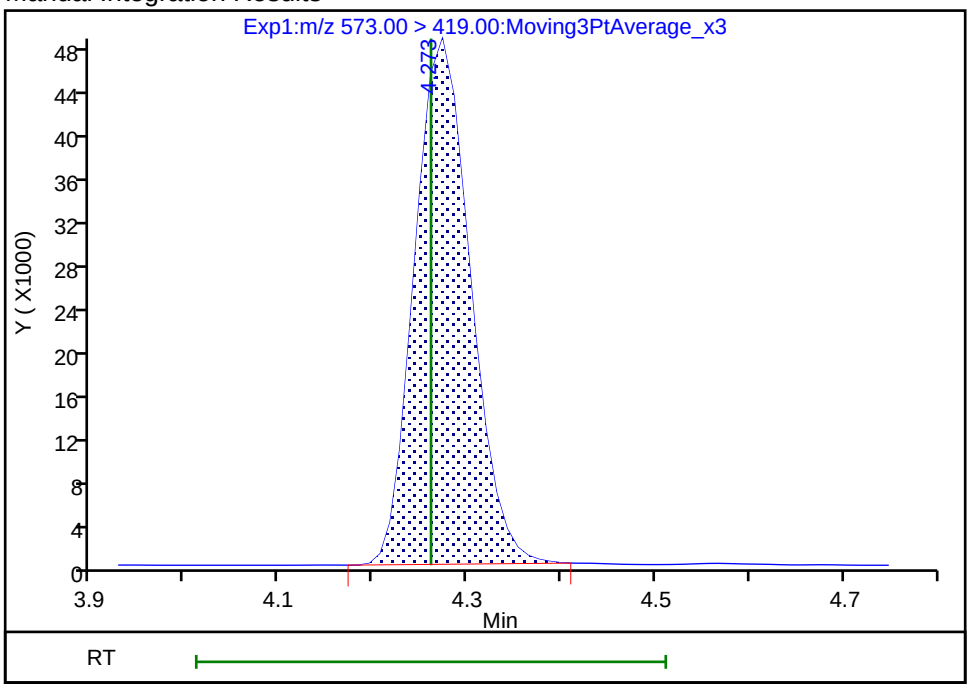
Processing Integration Results

RT: 4.27
Area: 200761
Amount: 1.035430
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 199312
Amount: 1.027956
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:20:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

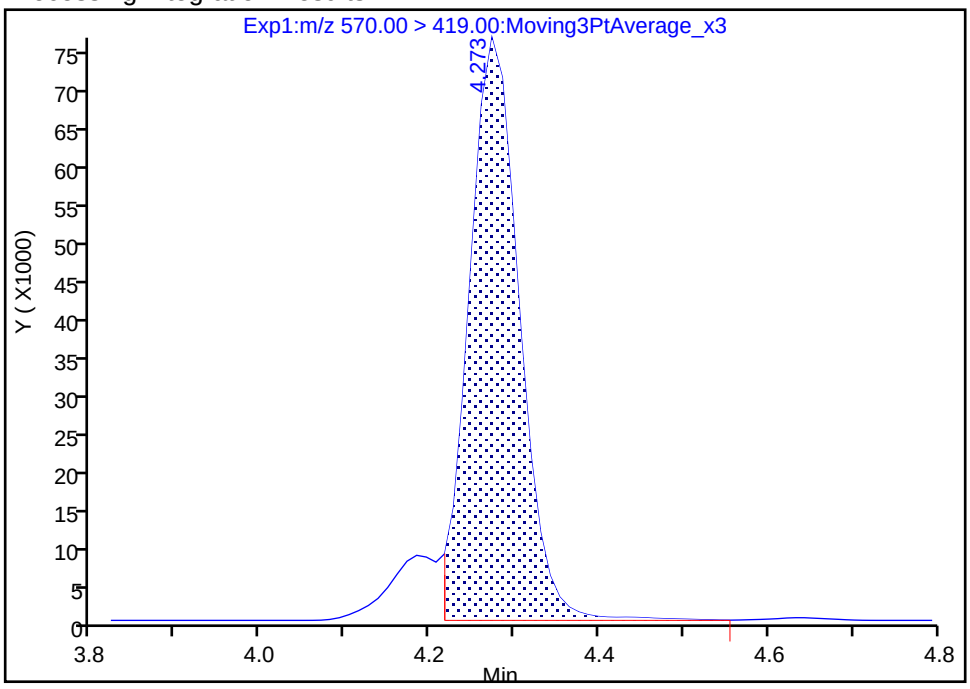
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

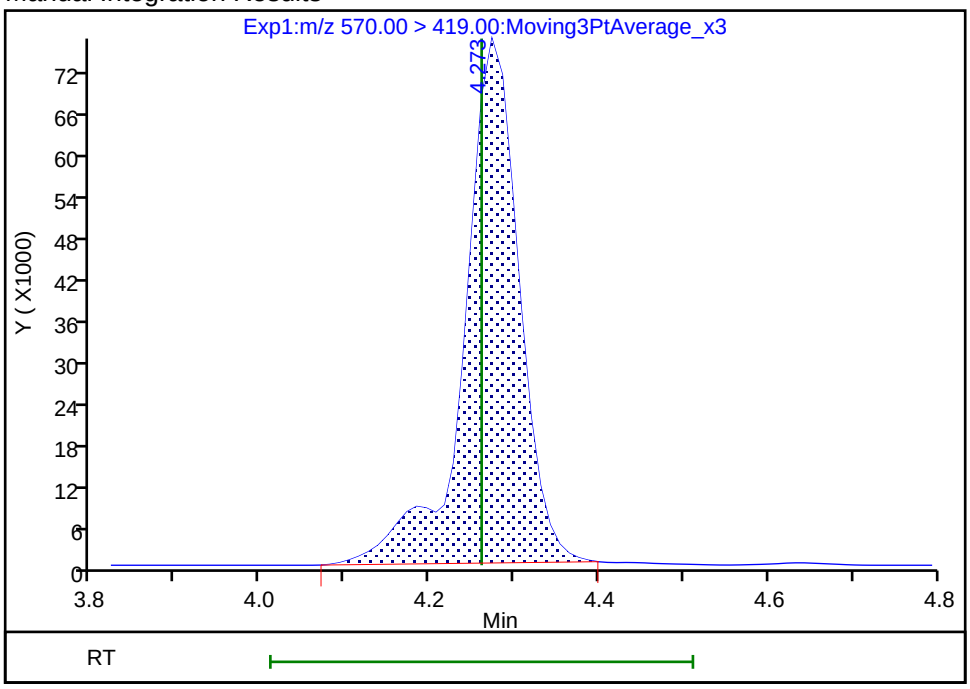
Processing Integration Results

RT: 4.27
Area: 315337
Amount: 2.210743
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 344603
Amount: 2.433483
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:20:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

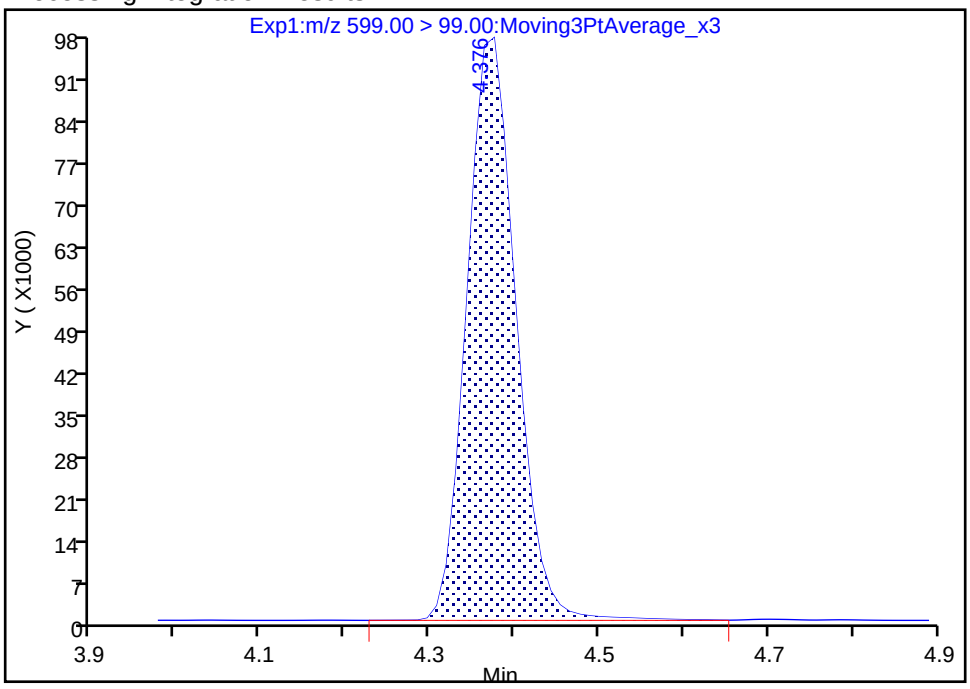
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

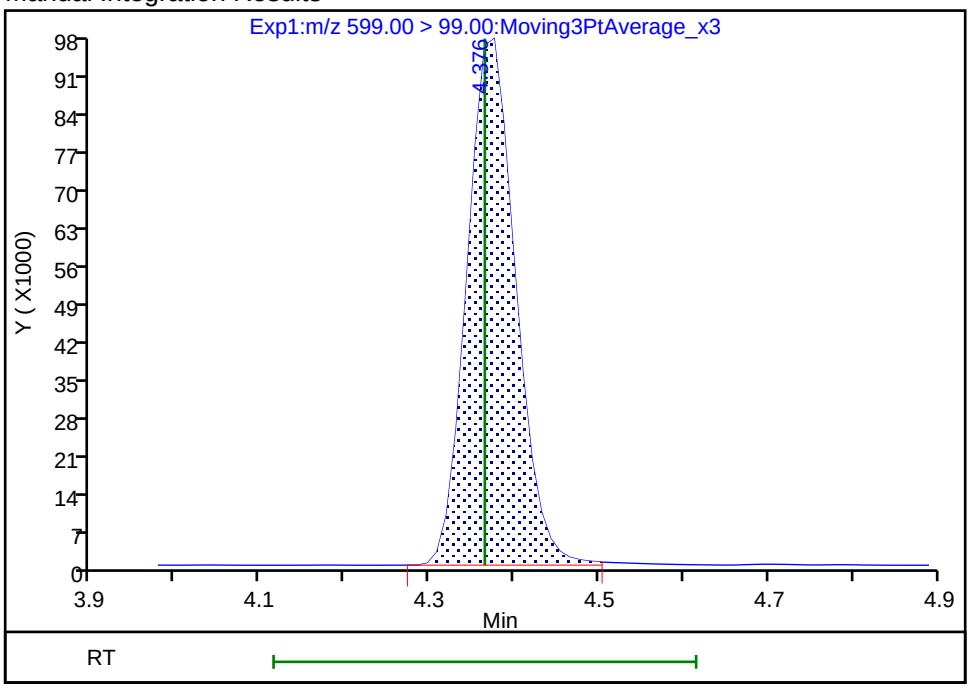
Processing Integration Results

RT: 4.38
Area: 389441
Amount: 2.243939
Amount Units: ng/ml



Manual Integration Results

RT: 4.38
Area: 387004
Amount: 2.234160
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:53:48
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

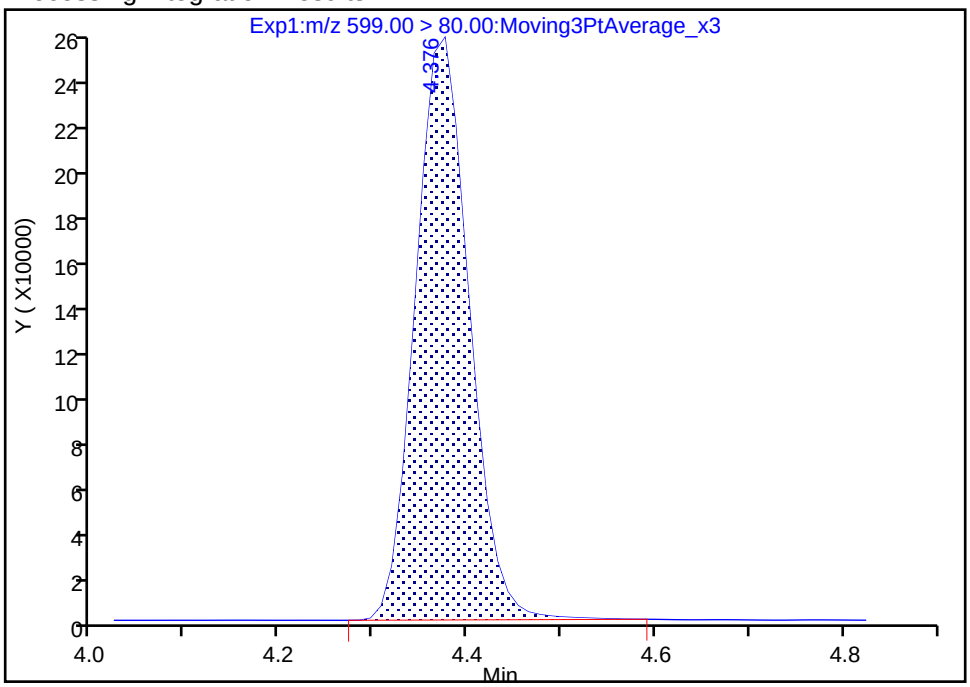
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

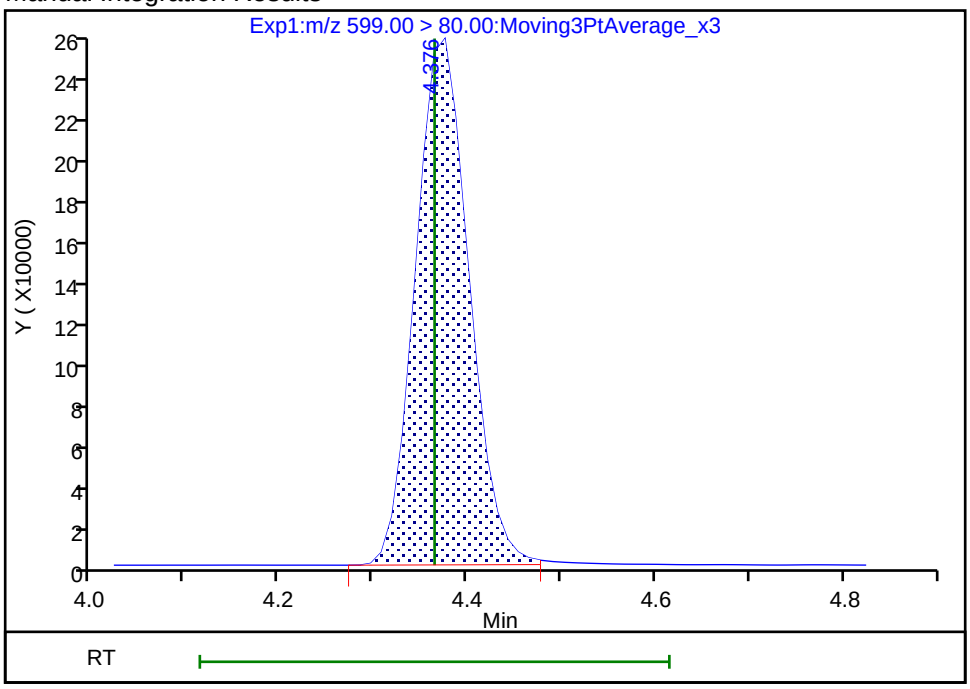
Processing Integration Results

RT: 4.38
Area: 999296
Amount: 2.243939
Amount Units: ng/ml



Manual Integration Results

RT: 4.38
Area: 994941
Amount: 2.234160
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:53:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

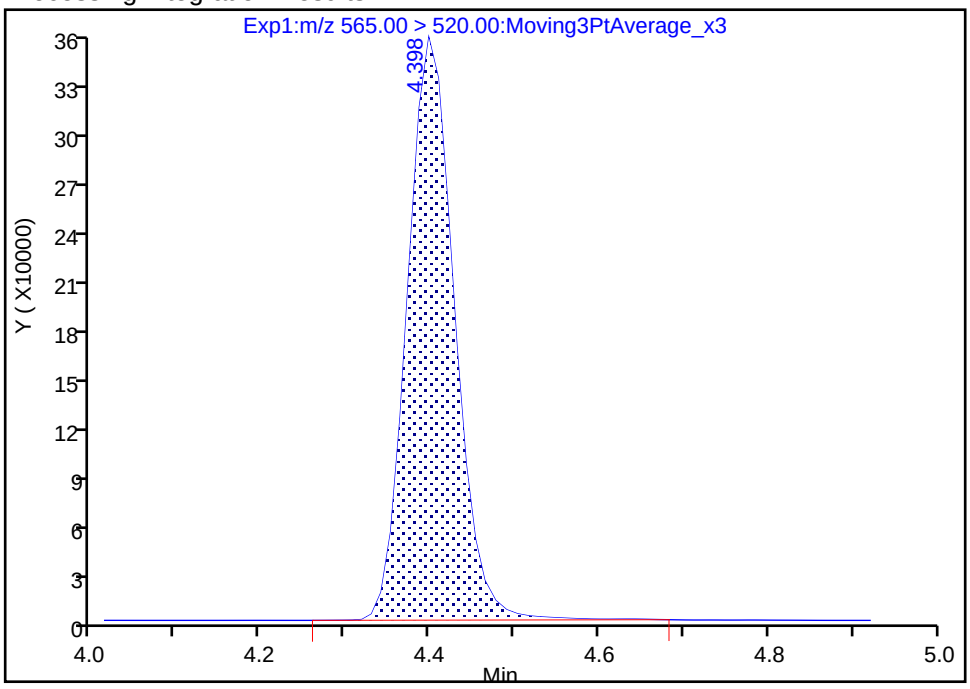
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

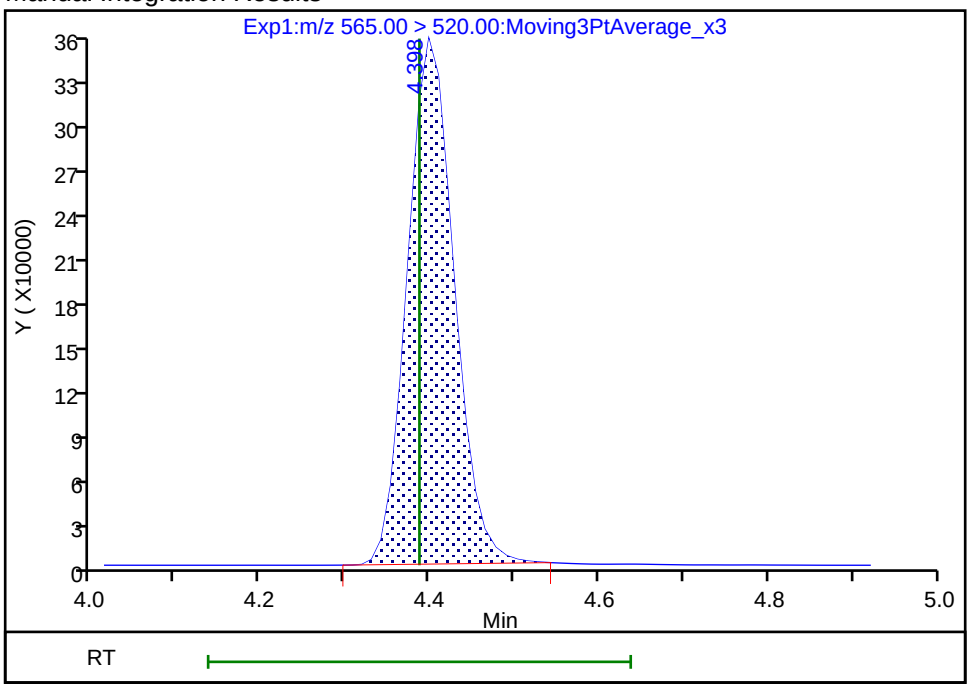
Processing Integration Results

RT: 4.40
Area: 1374941
Amount: 1.254435
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 1359247
Amount: 1.240117
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:20:29
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

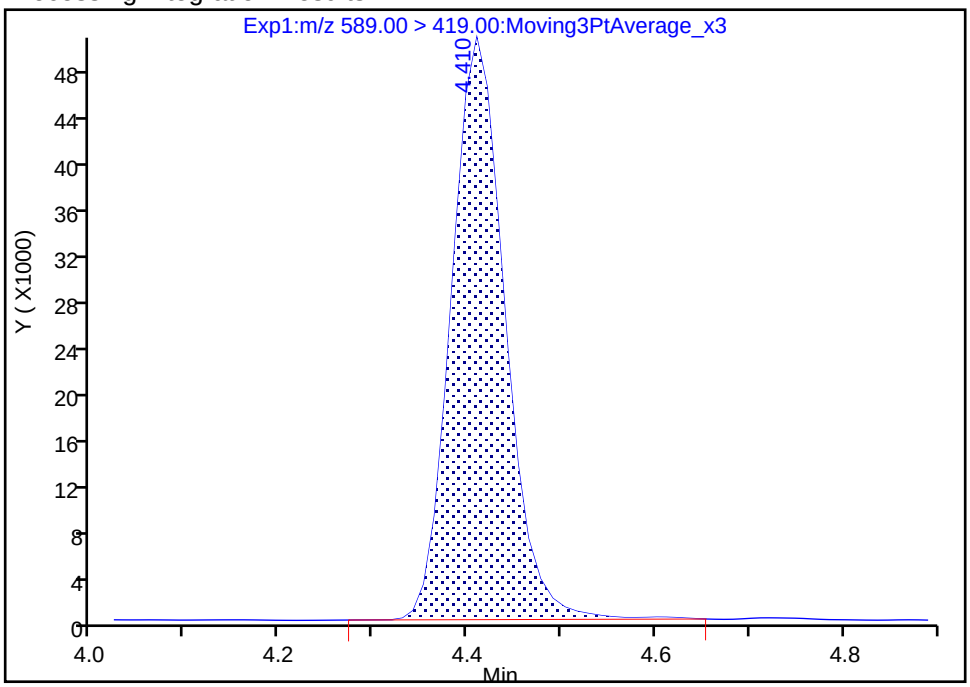
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 32 d5-NEtFOSAA, CAS: STL02117

Signal: 1

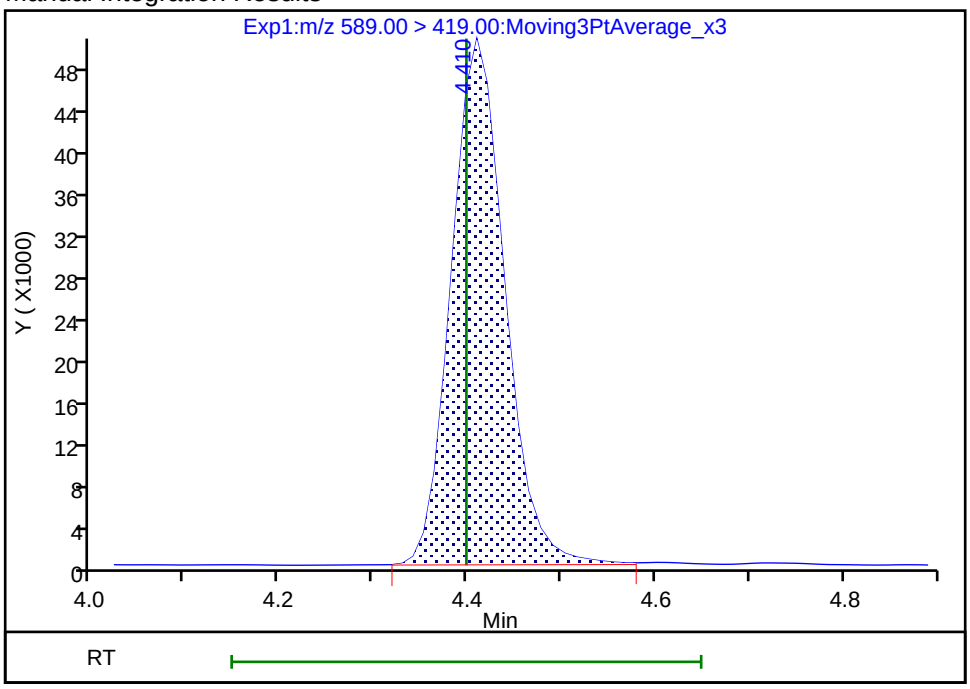
Processing Integration Results

RT: 4.41
Area: 200015
Amount: 1.089858
Amount Units: ng/ml



Manual Integration Results

RT: 4.41
Area: 199910
Amount: 1.089286
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:49:17
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

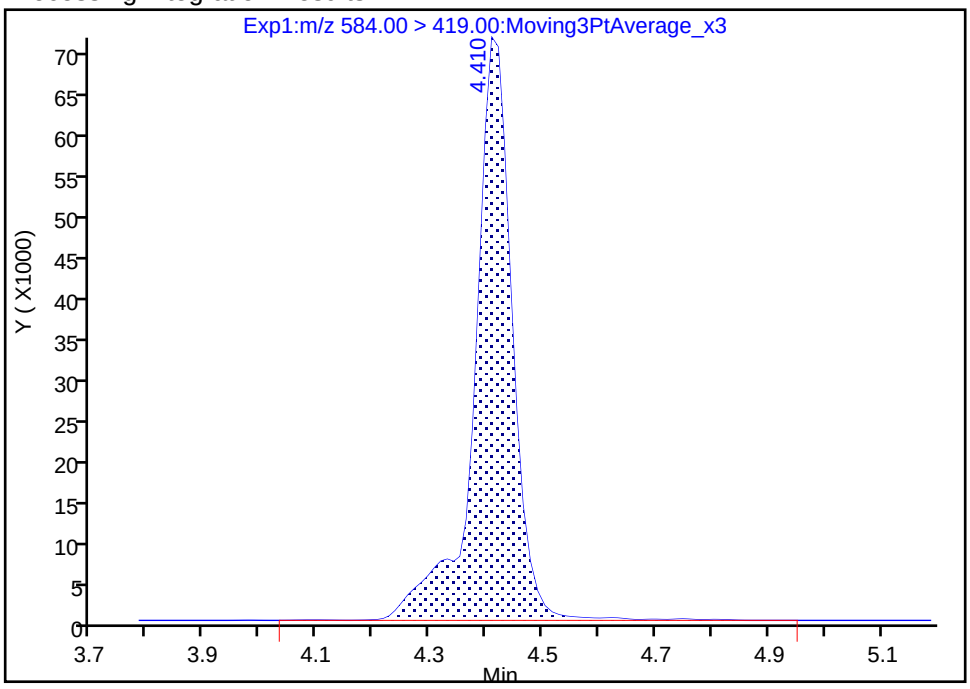
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d				
Injection Date:	04-Aug-2022 17:01:16	Instrument ID:	LC812		
Lims ID:	CCV L5				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

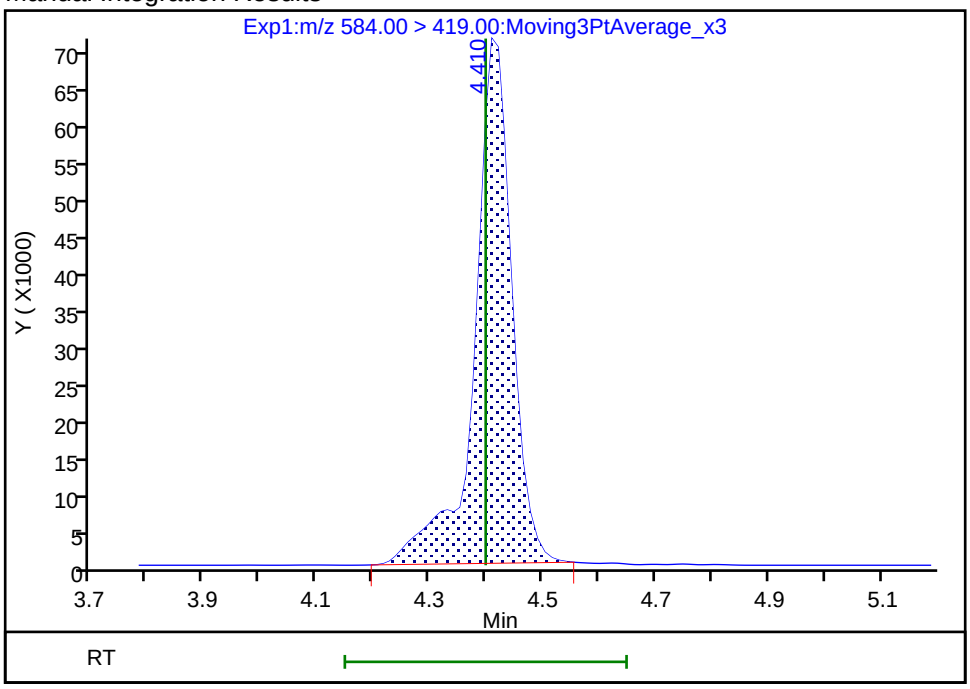
Processing Integration Results

RT: 4.41
Area: 334745
Amount: 2.305388
Amount Units: ng/ml



Manual Integration Results

RT: 4.41
Area: 326870
Amount: 2.251152
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:20:37
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

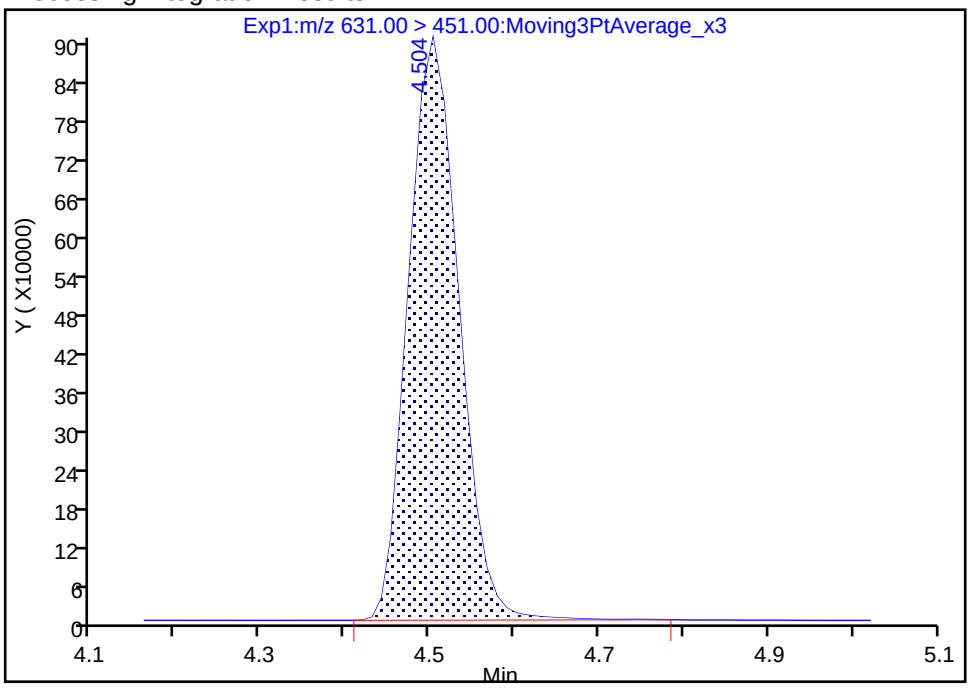
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

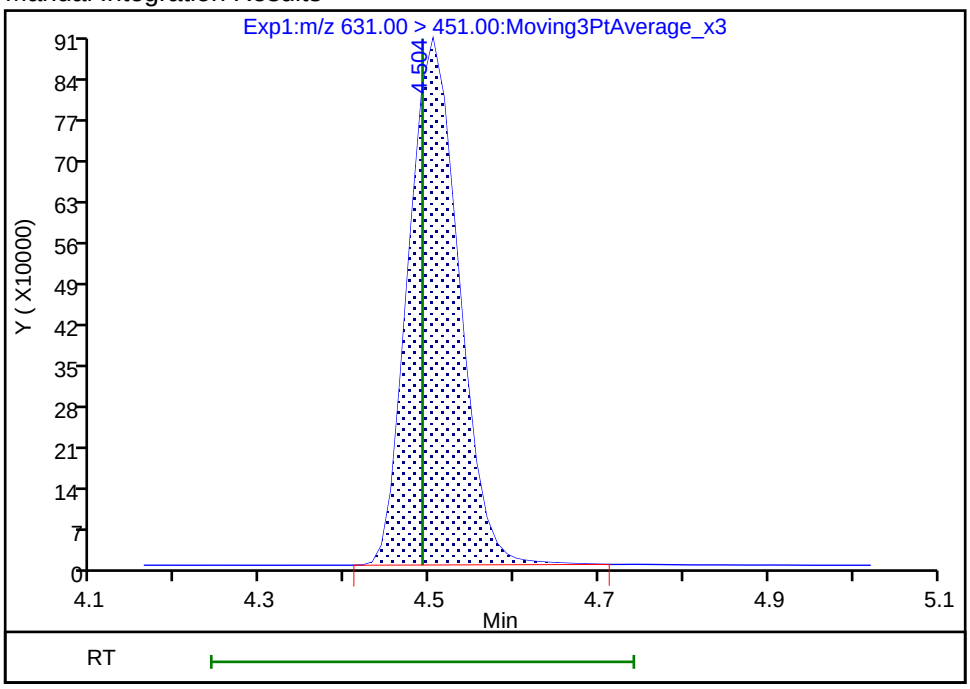
Processing Integration Results

RT: 4.50
Area: 3763181
Amount: 2.141455
Amount Units: ng/ml



Manual Integration Results

RT: 4.50
Area: 3755587
Amount: 2.137134
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:54:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

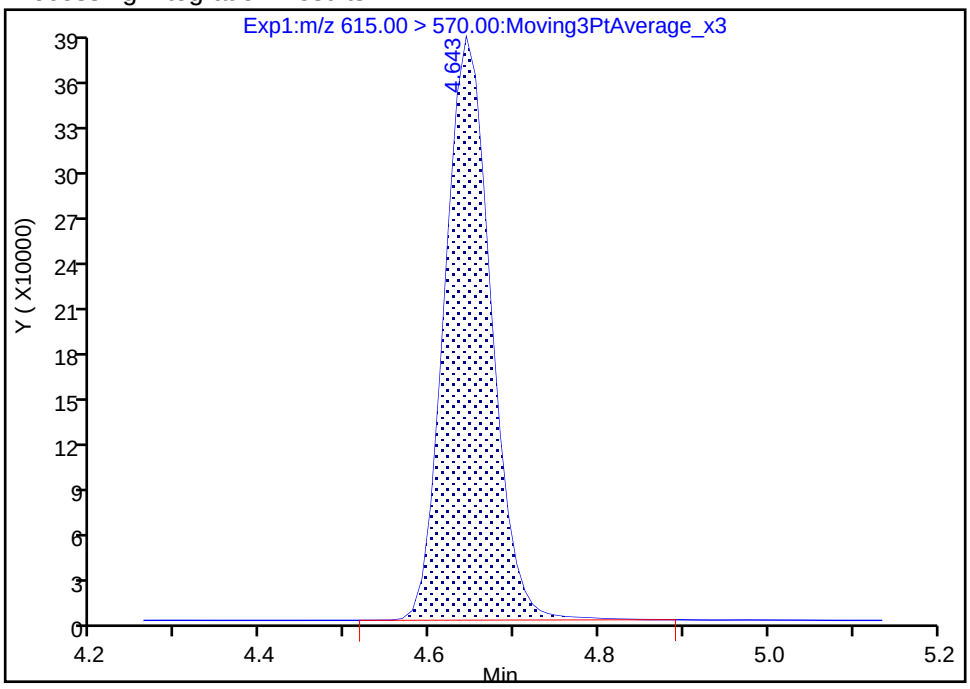
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 36 13C2 PFDoA, CAS: STL00998

Signal: 1

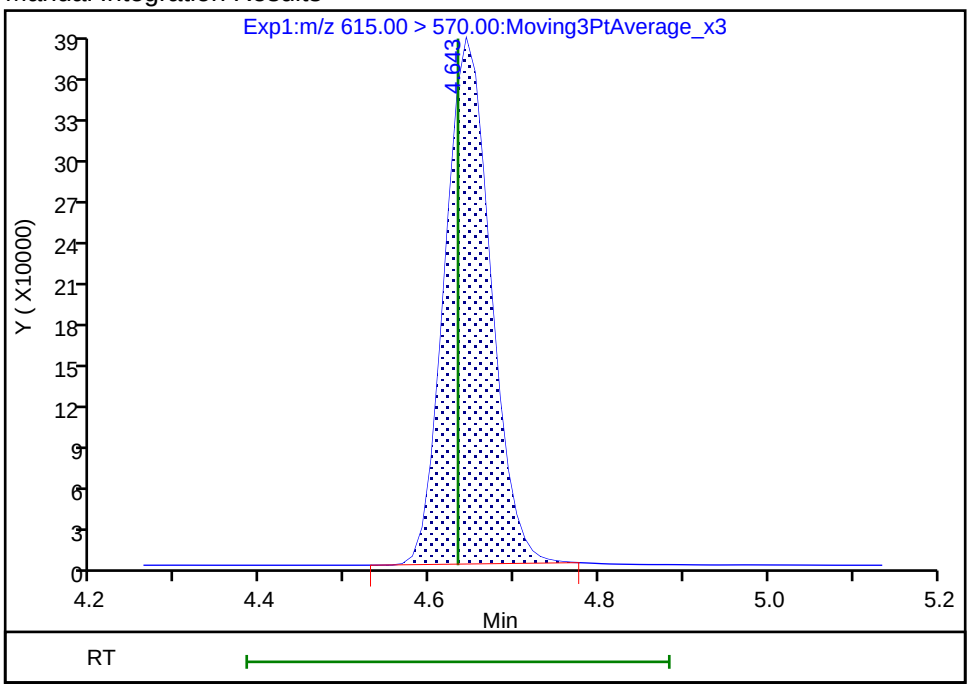
Processing Integration Results

RT: 4.64
Area: 1467645
Amount: 1.292184
Amount Units: ng/ml



Manual Integration Results

RT: 4.64
Area: 1452433
Amount: 1.278790
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:21:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

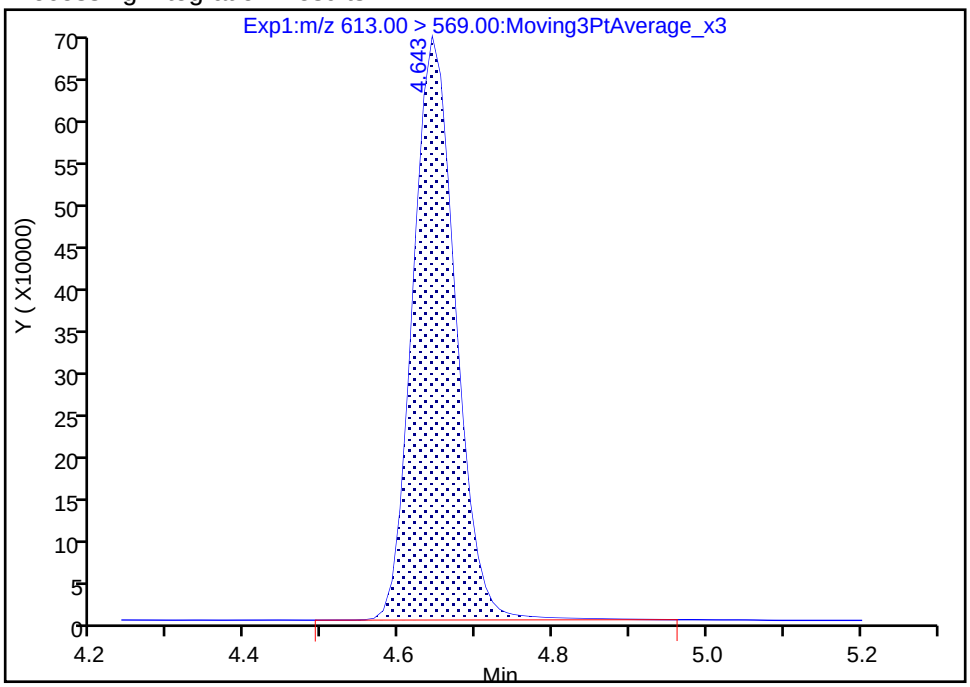
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Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

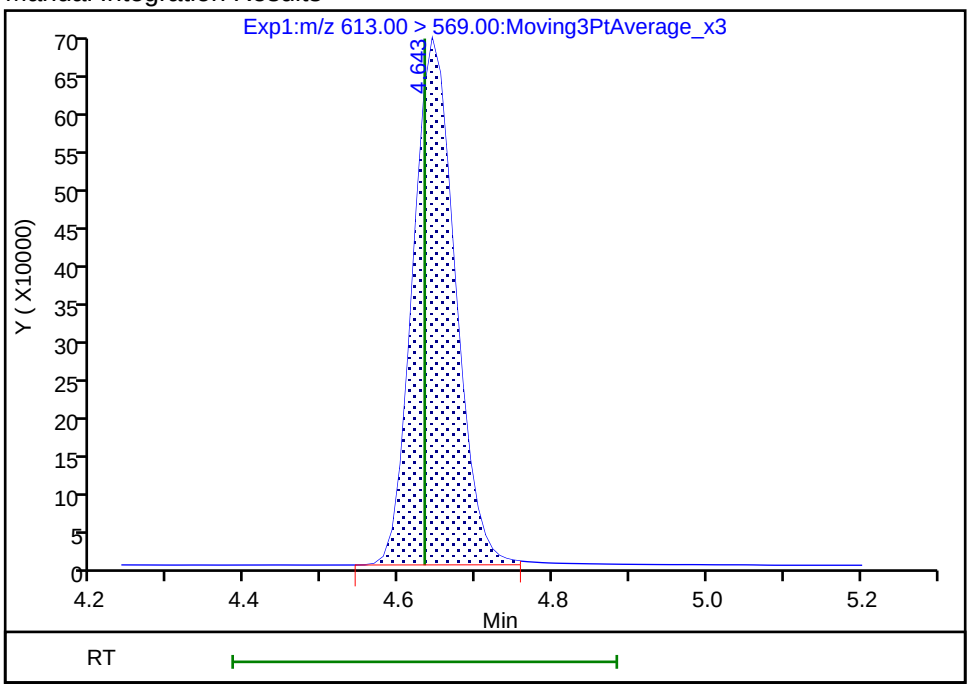
Processing Integration Results

RT: 4.64
Area: 2668100
Amount: 2.240766
Amount Units: ng/ml



Manual Integration Results

RT: 4.64
Area: 2650895
Amount: 2.249634
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:54:28
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

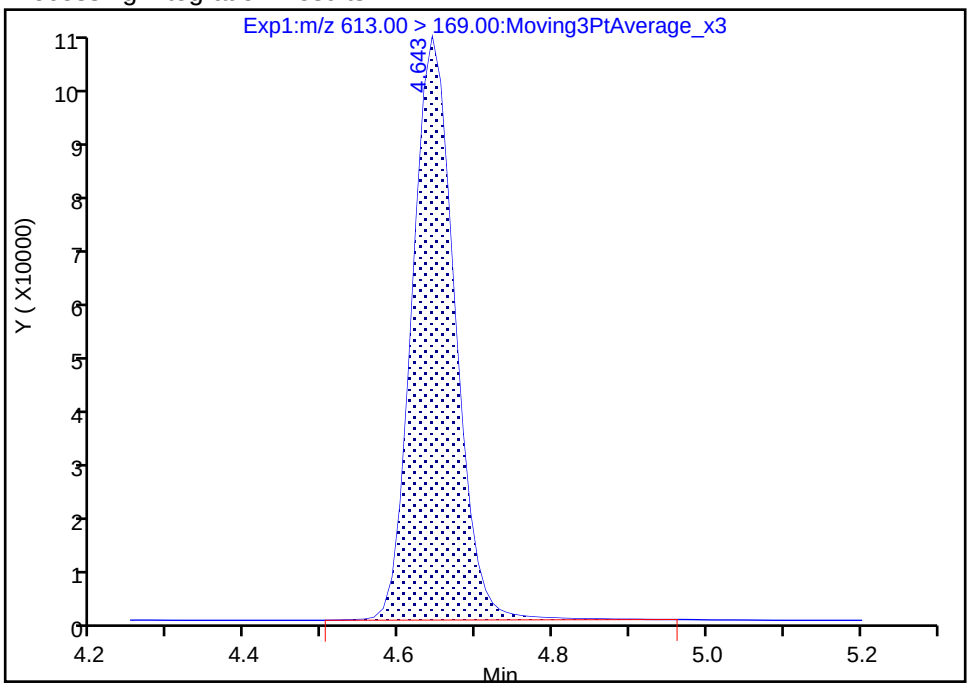
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

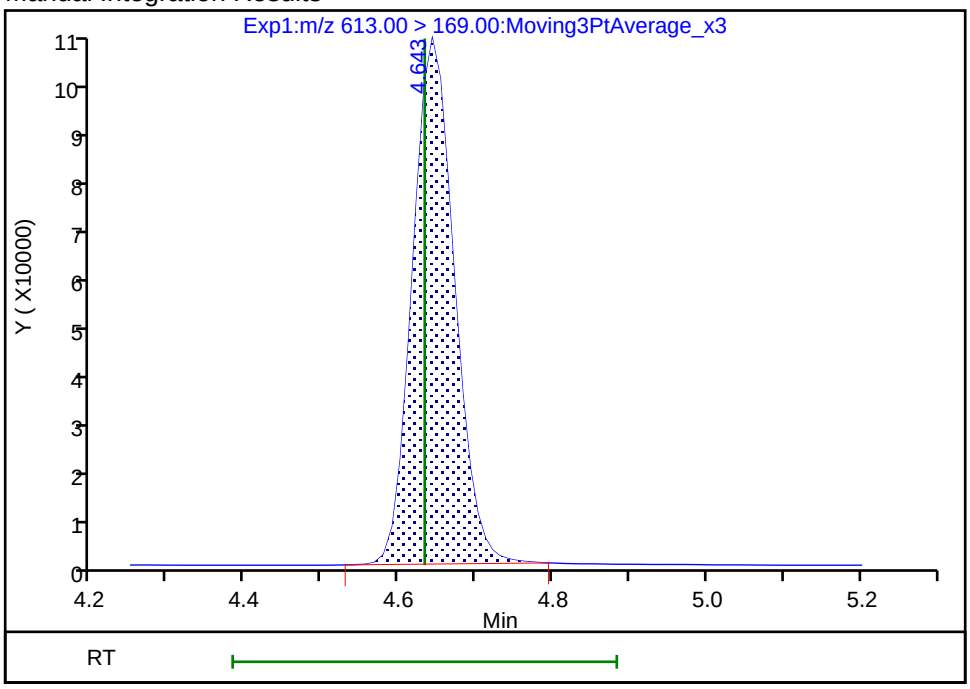
Processing Integration Results

RT: 4.64
Area: 413708
Amount: 2.240766
Amount Units: ng/ml



Manual Integration Results

RT: 4.64
Area: 409104
Amount: 2.249634
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:21:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

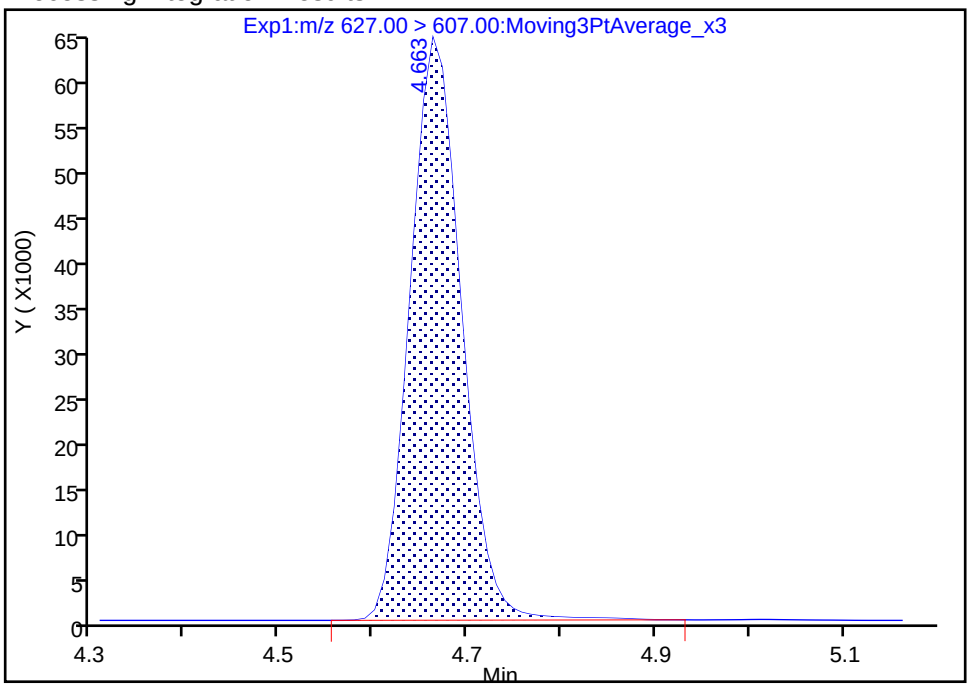
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Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

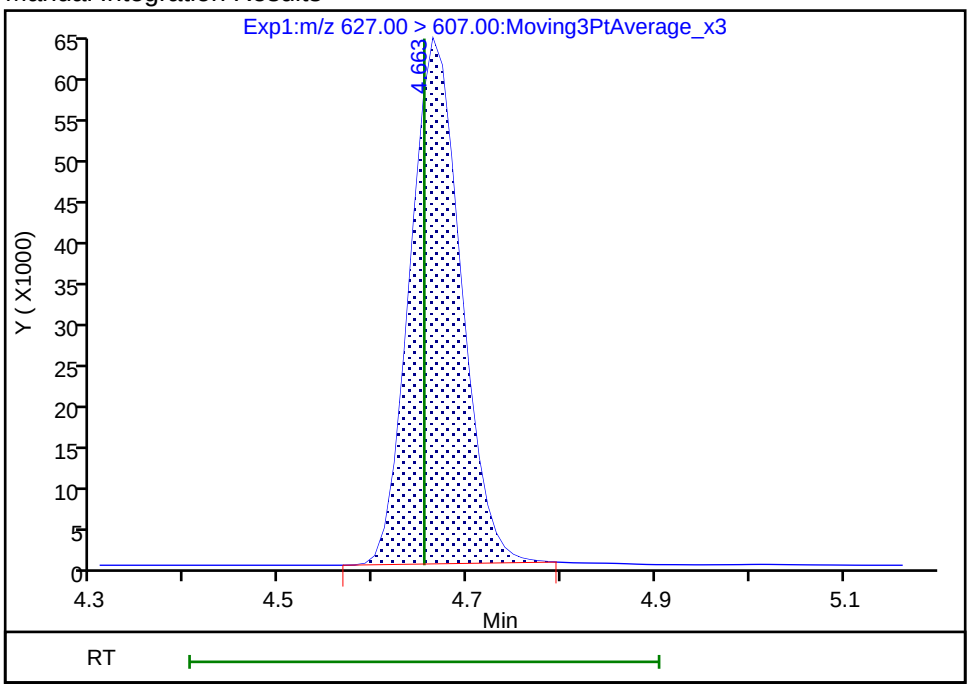
Processing Integration Results

RT: 4.66
Area: 244010
Amount: 2.636170
Amount Units: ng/ml



Manual Integration Results

RT: 4.66
Area: 240473
Amount: 2.597958
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:21:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

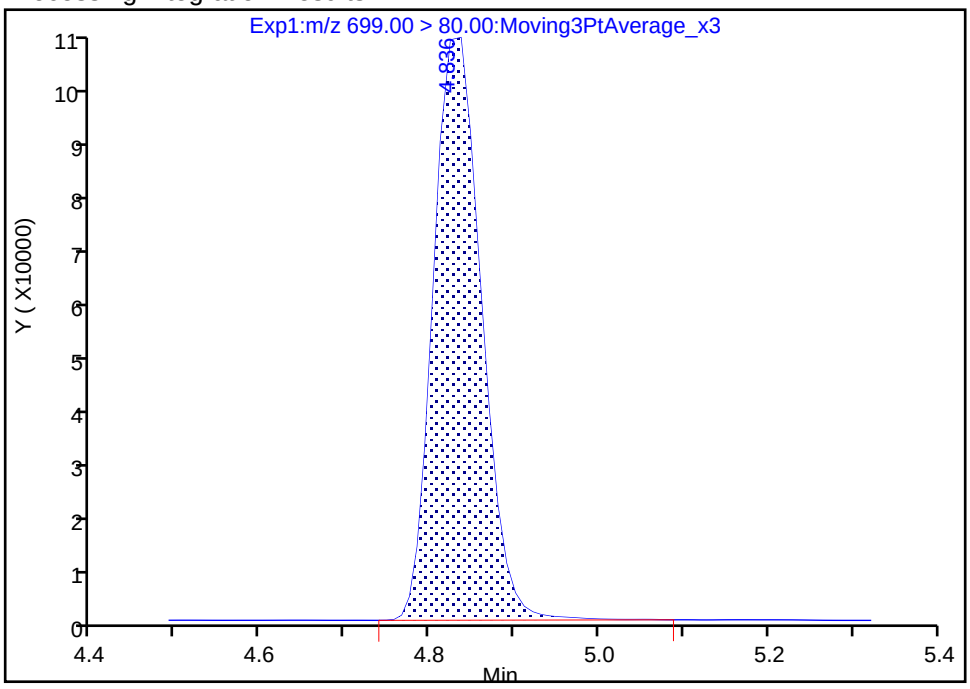
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

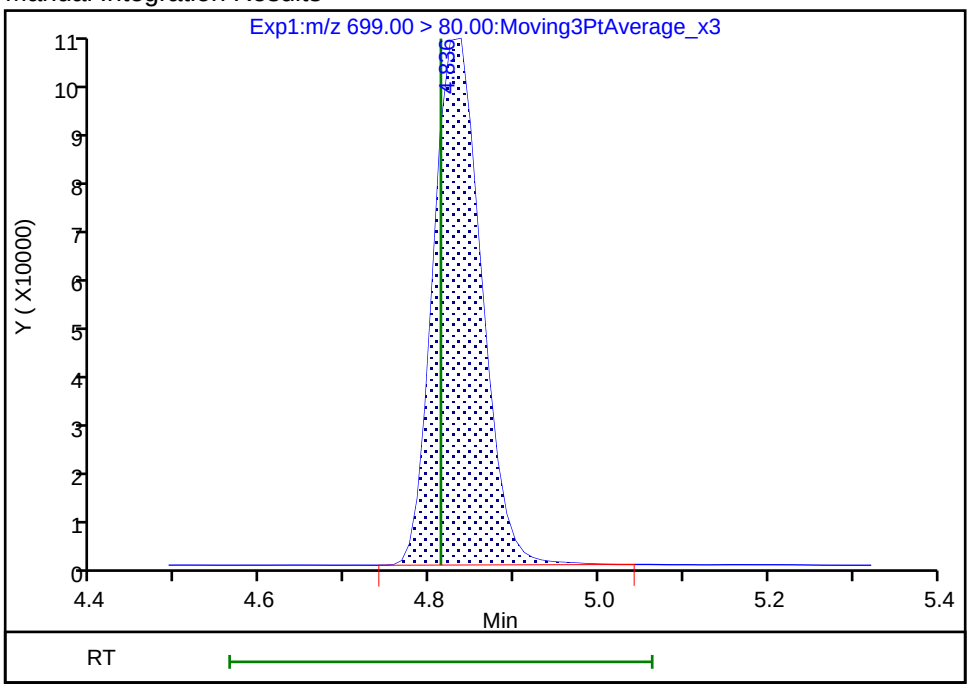
Processing Integration Results

RT: 4.84
Area: 430812
Amount: 2.178823
Amount Units: ng/ml



Manual Integration Results

RT: 4.84
Area: 430095
Amount: 2.175197
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:54:44
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

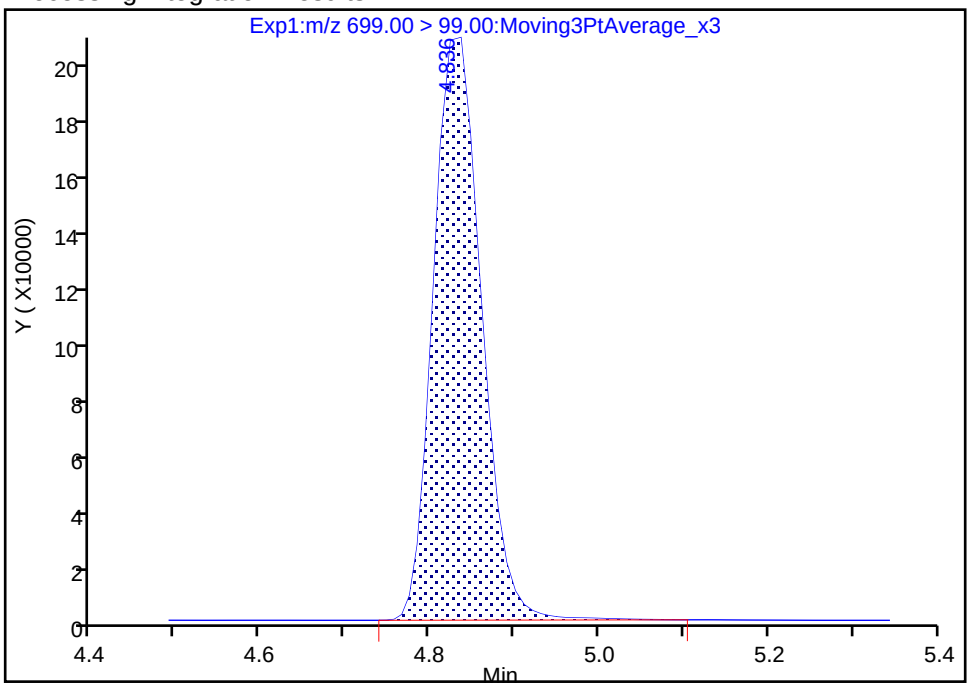
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Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 2

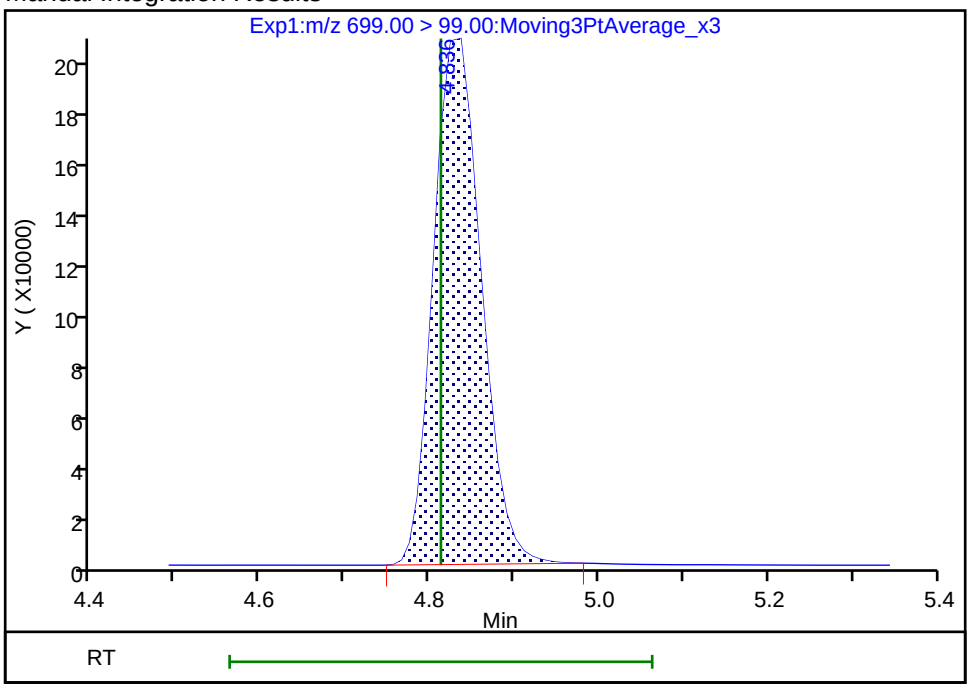
Processing Integration Results

RT: 4.84
Area: 810591
Amount: 2.178823
Amount Units: ng/ml



Manual Integration Results

RT: 4.84
Area: 804017
Amount: 2.175197
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:54:53
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

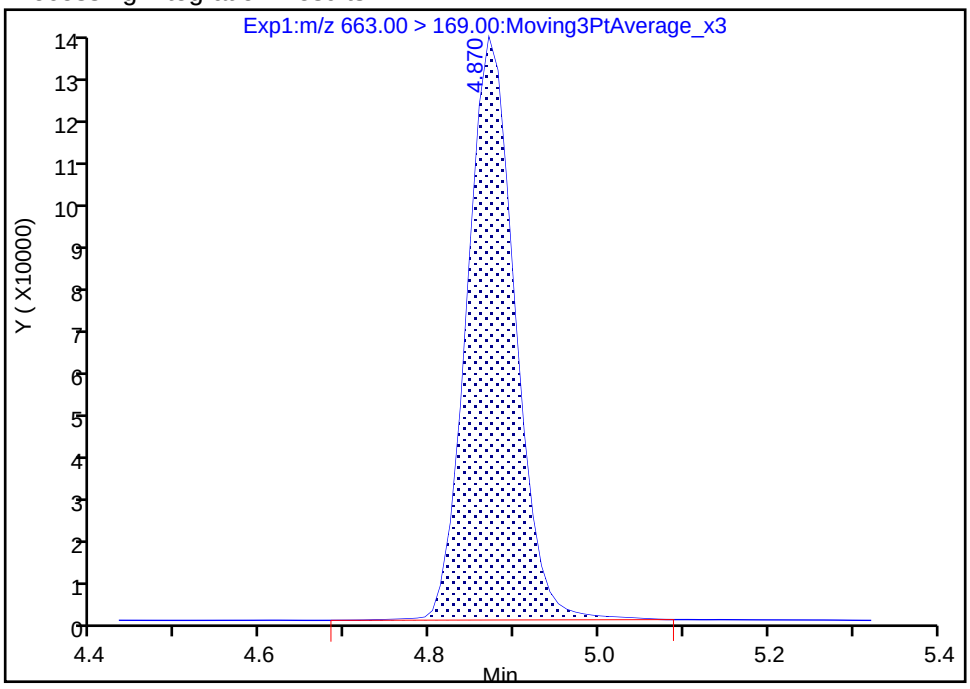
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

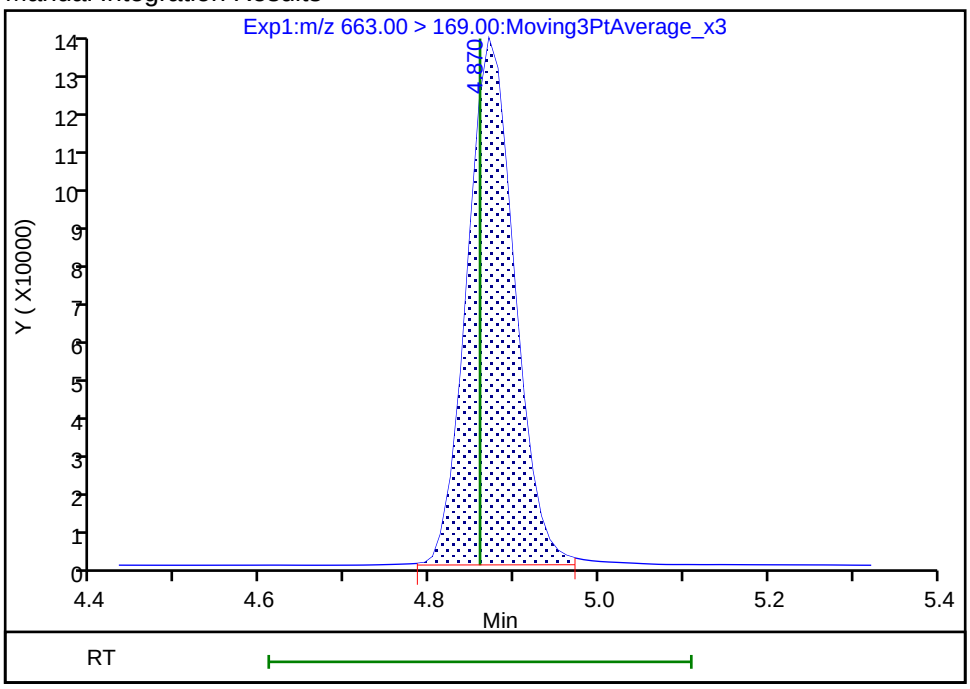
Processing Integration Results

RT: 4.87
Area: 516236
Amount: 2.321593
Amount Units: ng/ml



Manual Integration Results

RT: 4.87
Area: 511652
Amount: 2.336103
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:55:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

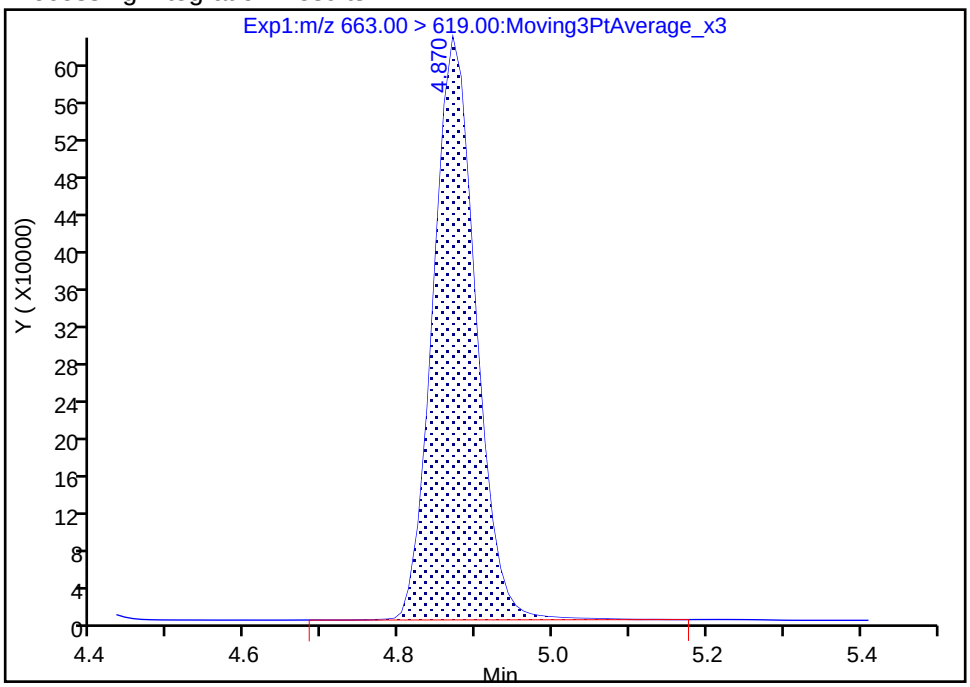
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Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

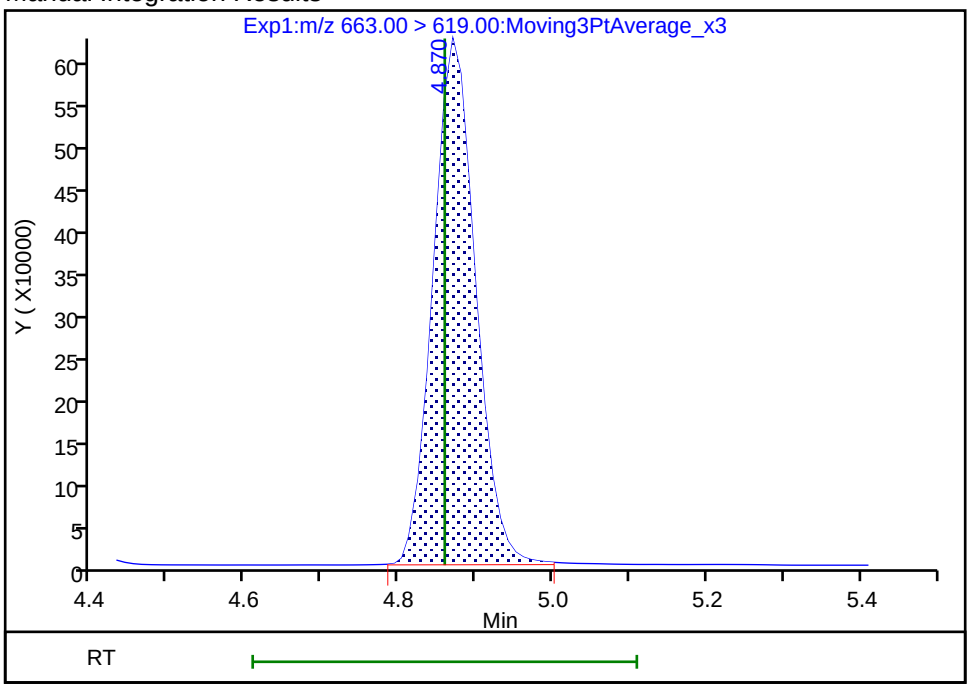
Processing Integration Results

RT: 4.87
Area: 2396314
Amount: 2.321593
Amount Units: ng/ml



Manual Integration Results

RT: 4.87
Area: 2386298
Amount: 2.336103
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:55:28
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

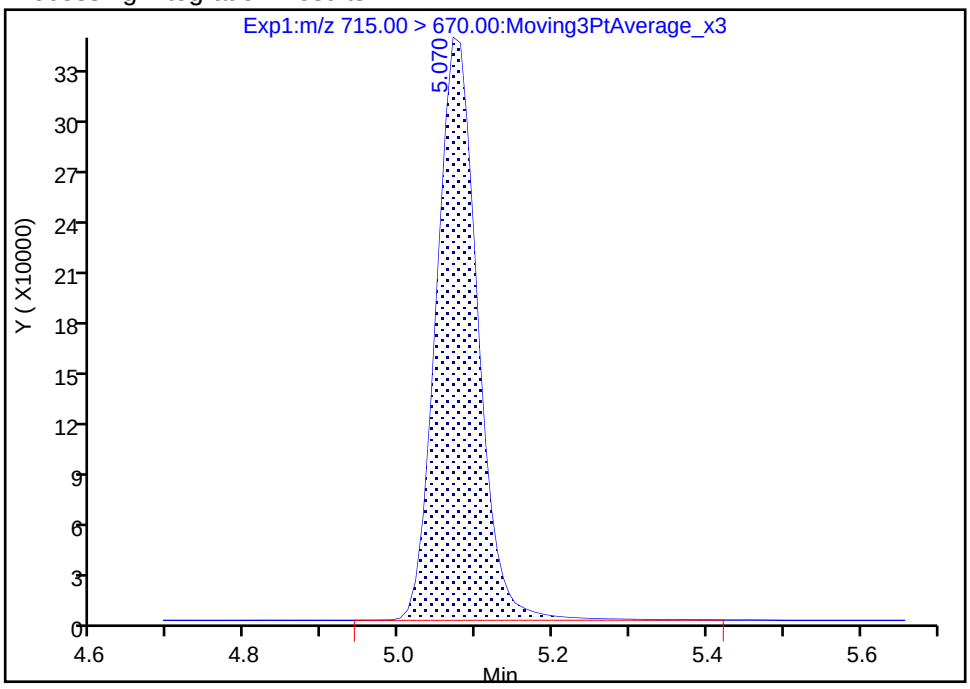
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

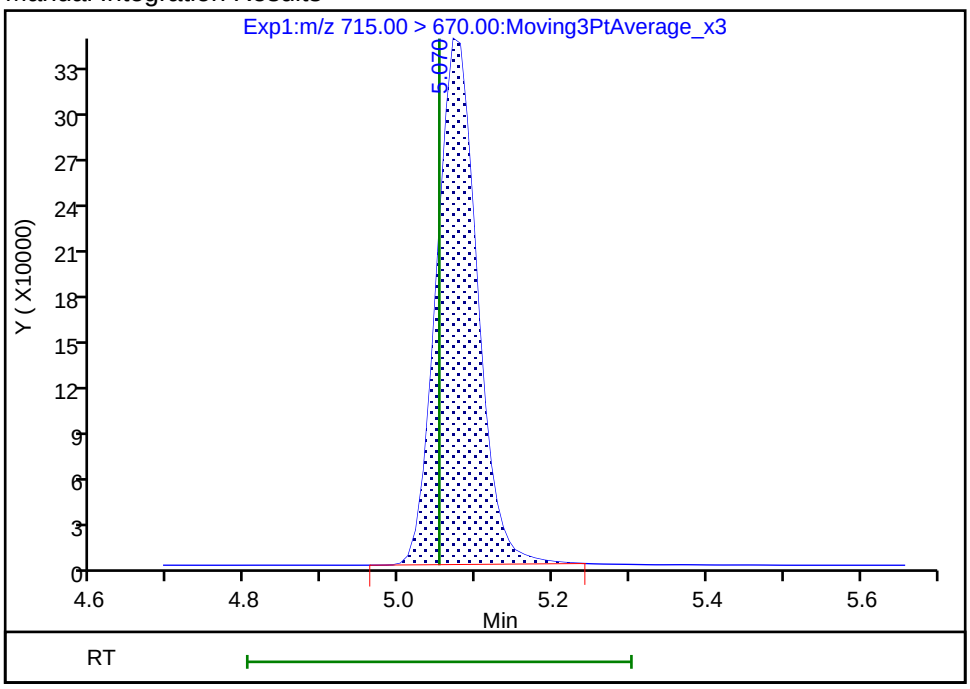
Processing Integration Results

RT: 5.07
Area: 1274126
Amount: 1.372281
Amount Units: ng/ml



Manual Integration Results

RT: 5.07
Area: 1261779
Amount: 1.358983
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:21:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

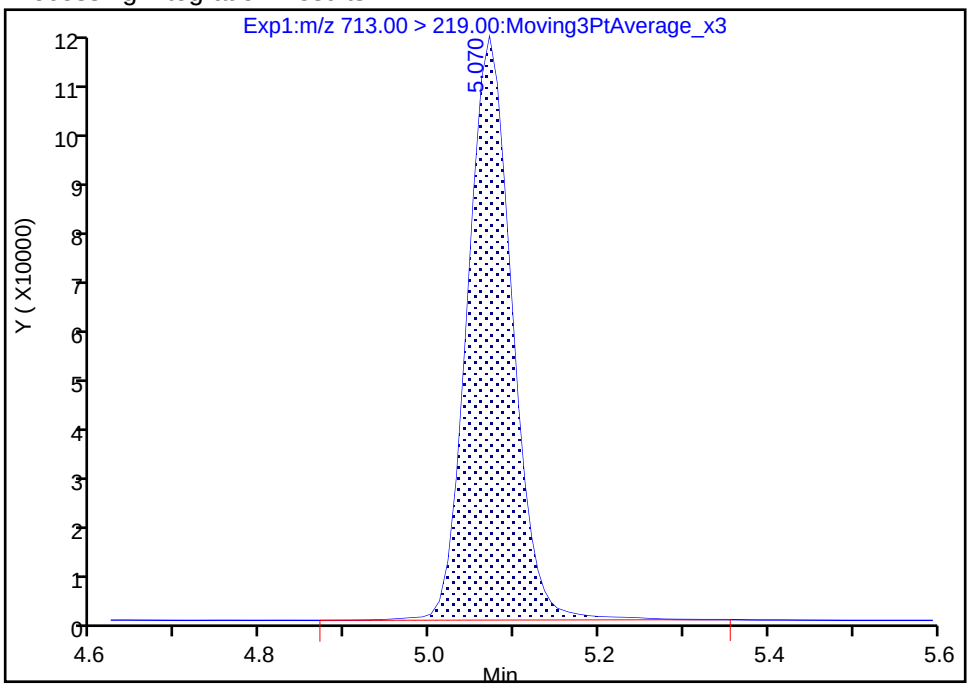
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Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

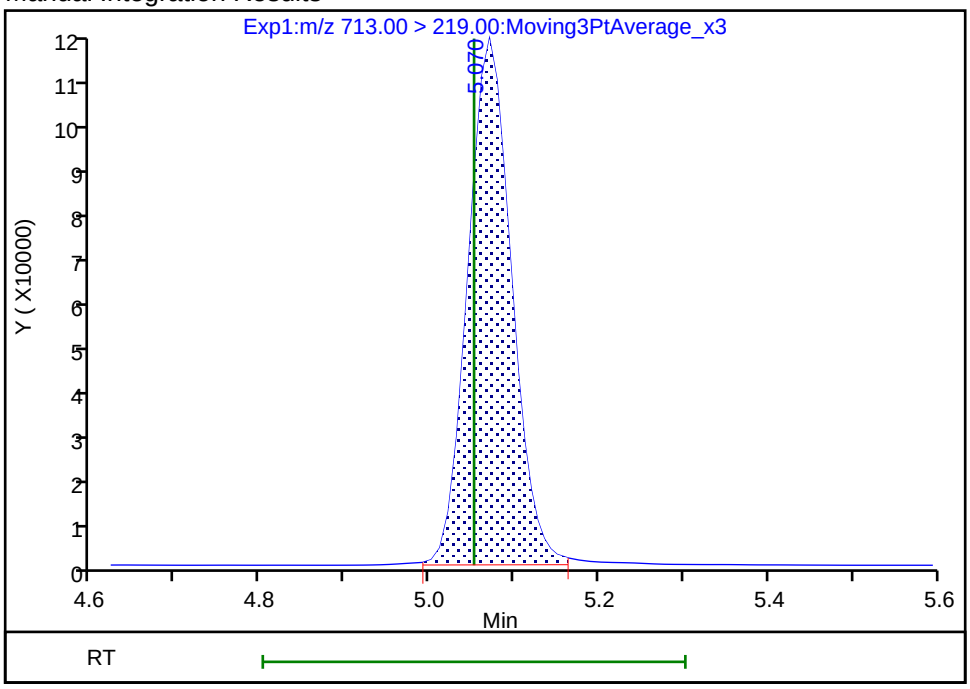
Processing Integration Results

RT: 5.07
Area: 410977
Amount: 2.343913
Amount Units: ng/ml



Manual Integration Results

RT: 5.07
Area: 405794
Amount: 2.339141
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:55:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

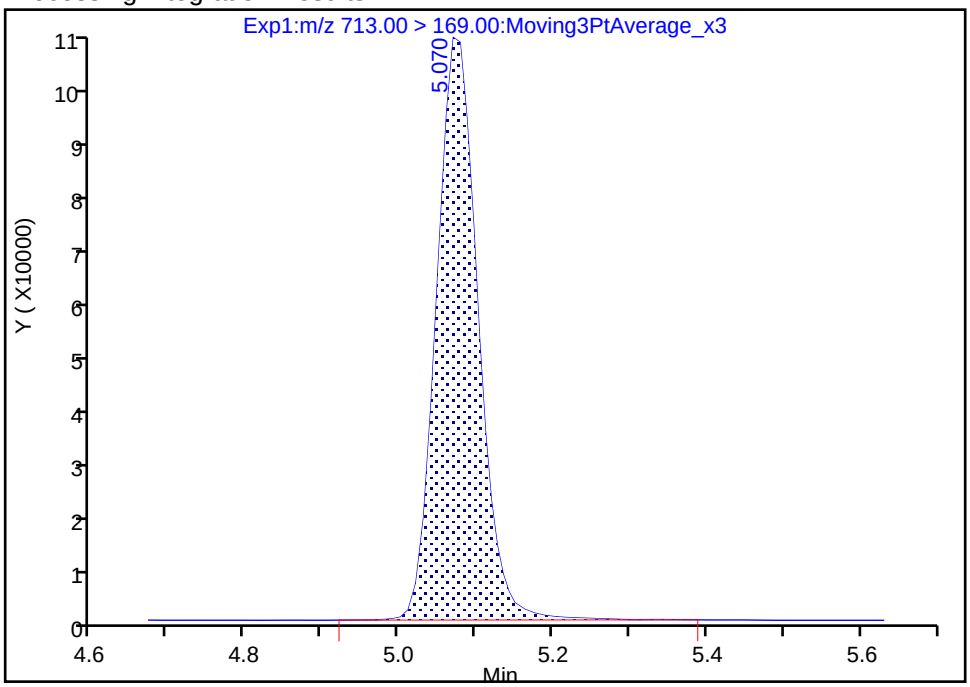
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

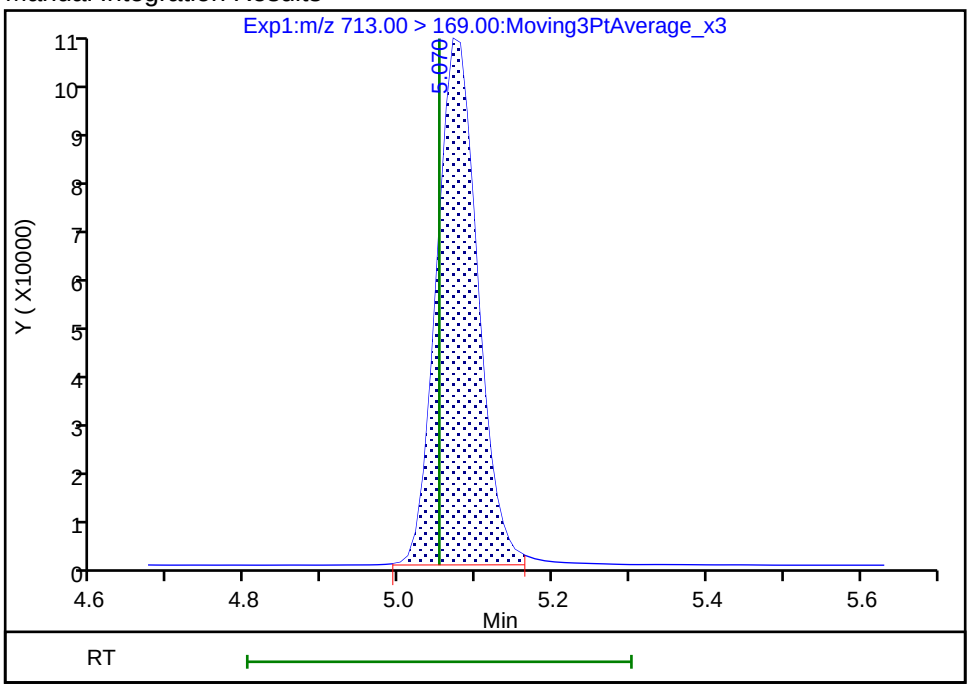
Processing Integration Results

RT: 5.07
Area: 382769
Amount: 2.343913
Amount Units: ng/ml



Manual Integration Results

RT: 5.07
Area: 378288
Amount: 2.339141
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:55:53
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

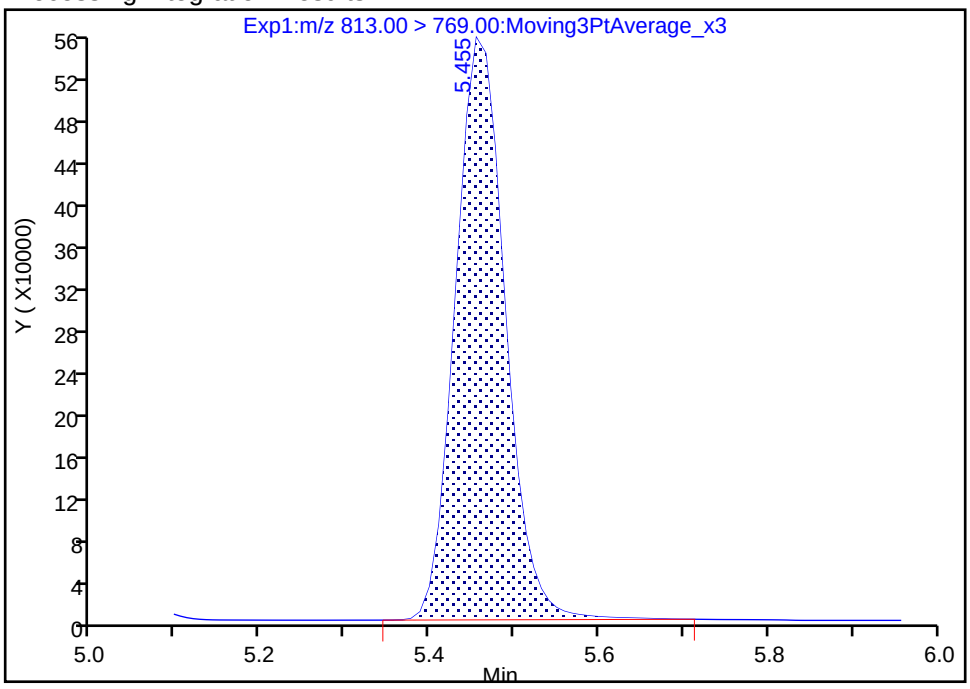
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

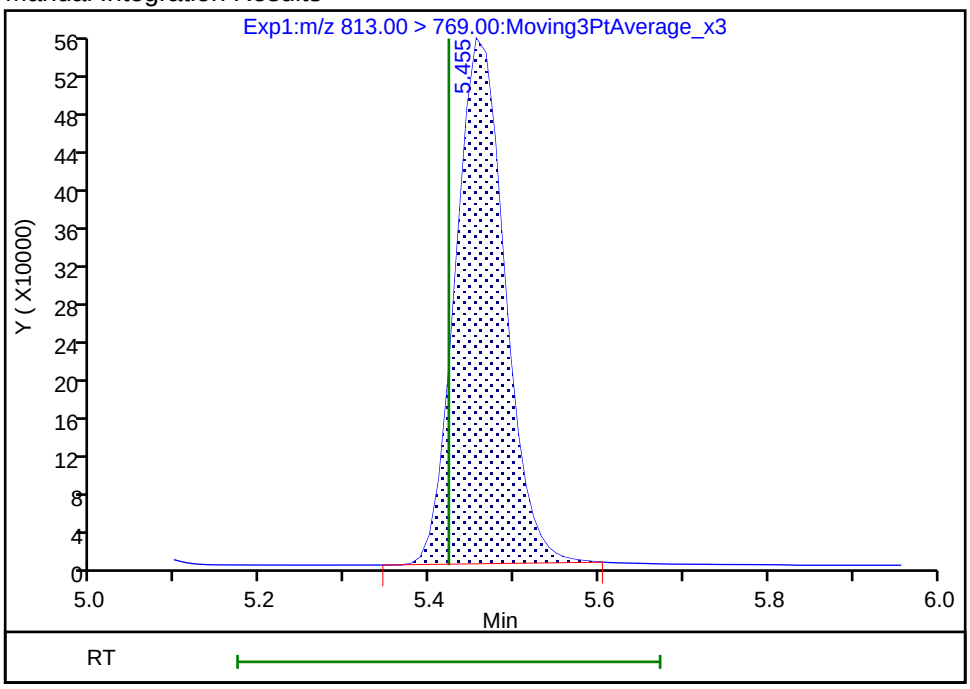
Processing Integration Results

RT: 5.45
Area: 2254339
Amount: 2.434883
Amount Units: ng/ml



Manual Integration Results

RT: 5.45
Area: 2229563
Amount: 2.407895
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:21:27
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

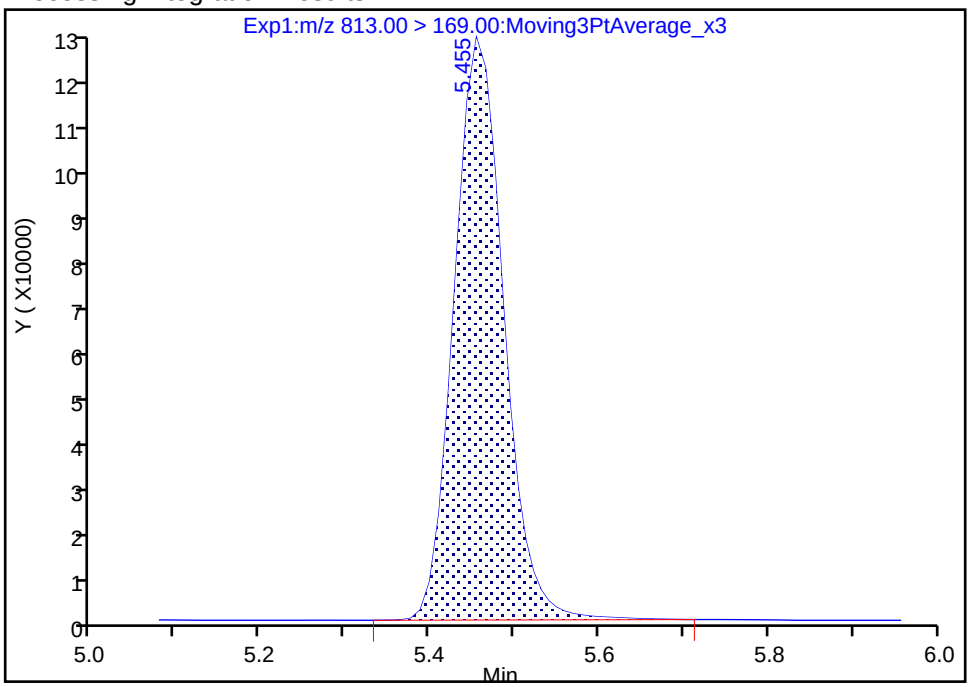
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 2

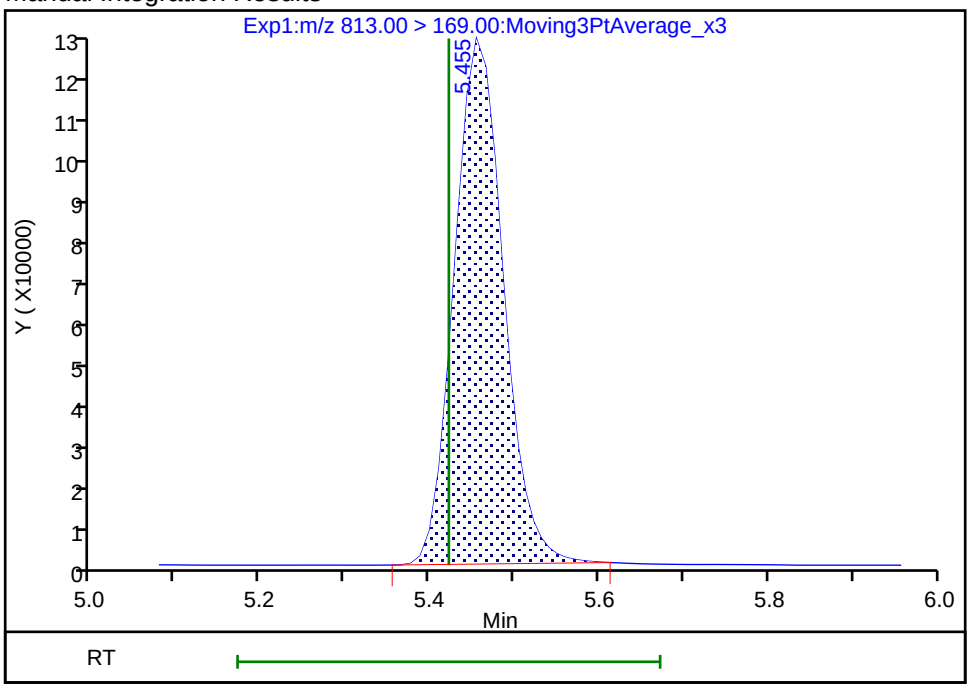
Processing Integration Results

RT: 5.45
Area: 516345
Amount: 2.434883
Amount Units: ng/ml



Manual Integration Results

RT: 5.45
Area: 511078
Amount: 2.407895
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:21:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

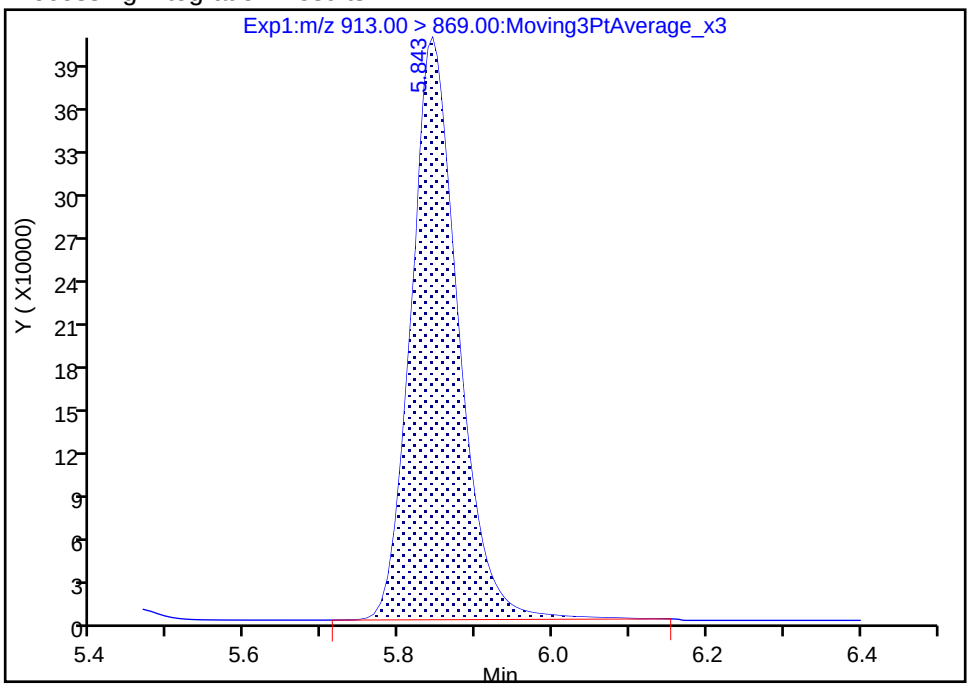
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

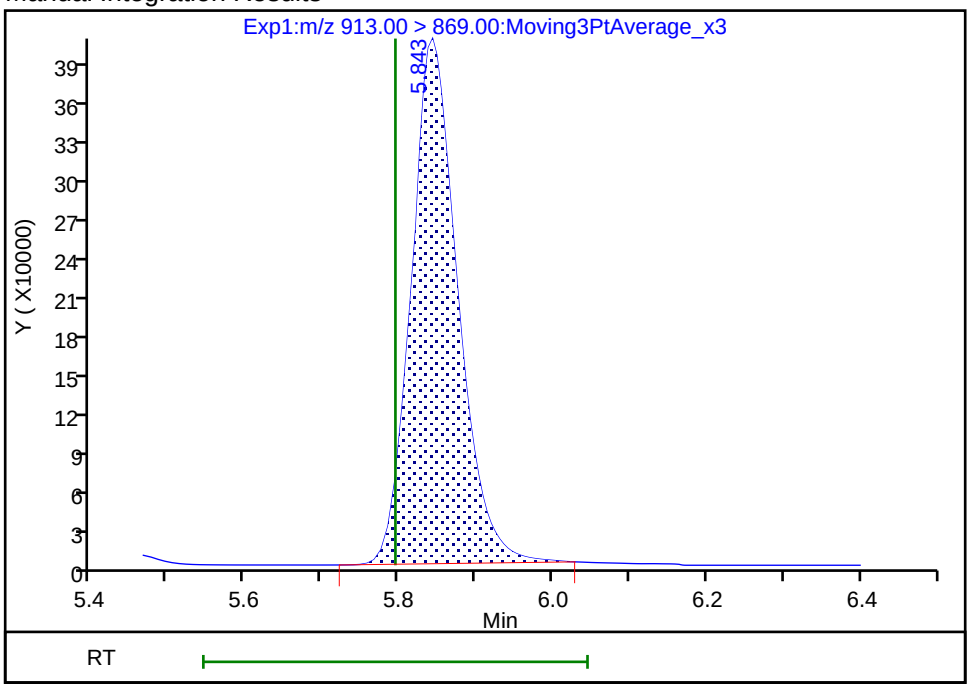
Processing Integration Results

RT: 5.84
Area: 1713993
Amount: 2.510329
Amount Units: ng/ml



Manual Integration Results

RT: 5.84
Area: 1692116
Amount: 2.478287
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:56:10
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

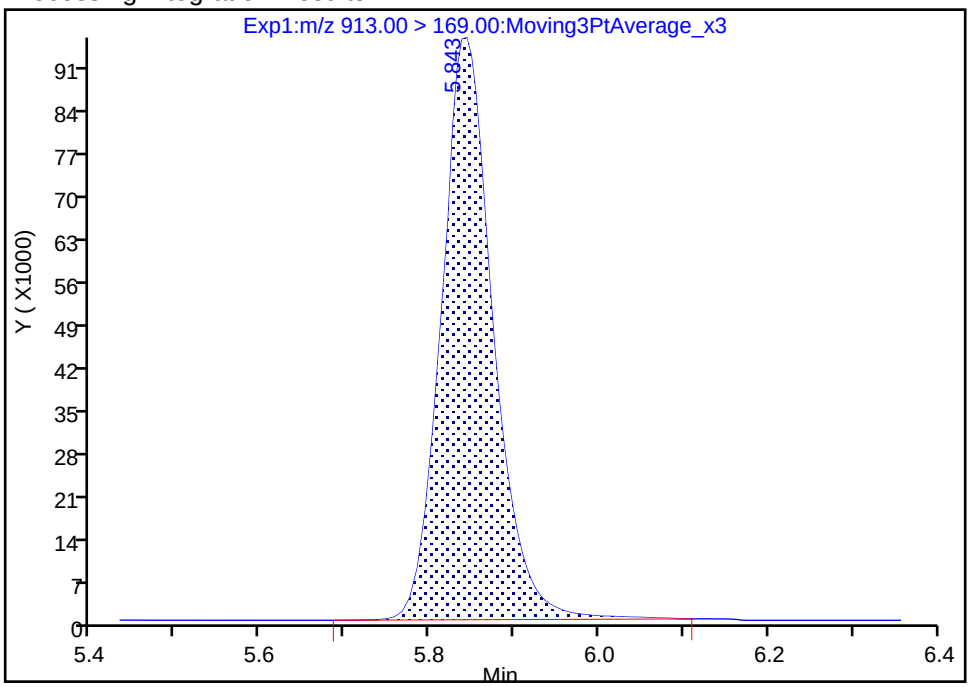
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C01.d
Injection Date: 04-Aug-2022 17:01:16 Instrument ID: LC812
Lims ID: CCV L5
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

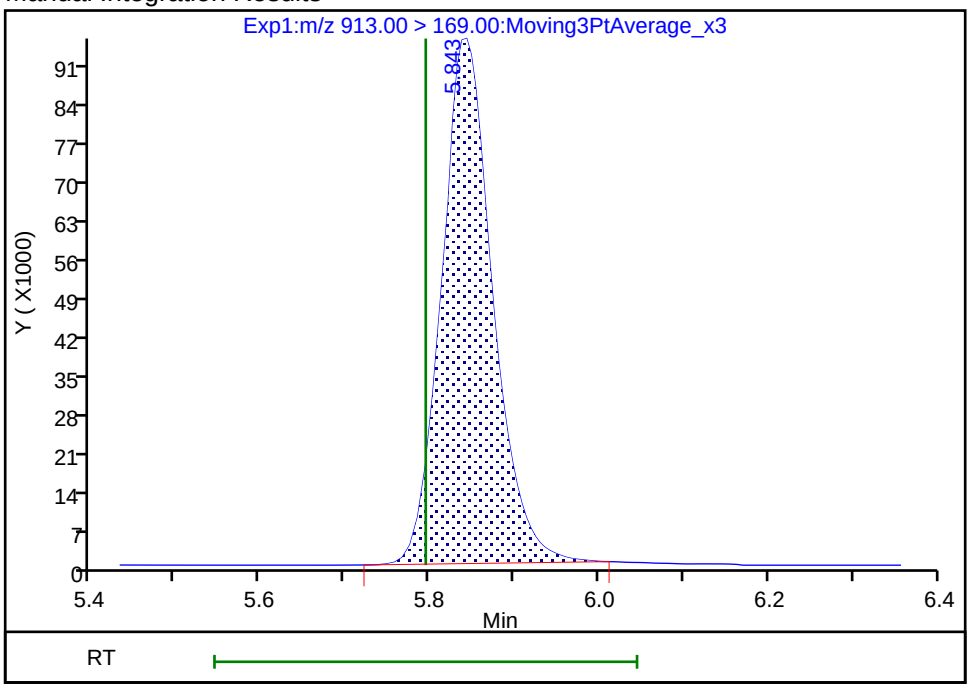
Processing Integration Results

RT: 5.84
Area: 405109
Amount: 2.510329
Amount Units: ng/ml



Manual Integration Results

RT: 5.84
Area: 399633
Amount: 2.478287
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:56:16
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Lab Sample ID: CCV 200-182386/12 Calibration Date: 08/04/2022 18:31

Instrument ID: LC812 Calib Start Date: 08/03/2022 13:00

GC Column: C-18 ID: 4.60(mm) Calib End Date: 08/03/2022 13:41

Lab File ID: PA220804C12.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorobutanoic acid (PFBA)	AveID	0.9697	0.8927		0.921	1.00	-7.9	
Perfluoropentanoic acid (PFPeA)	AveID	1.031	1.026		0.995	1.00	-0.5	
Perfluorobutanesulfonic acid (PFBS)	AveID	1.104	1.099		0.880	0.884	-0.5	
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	AveID	2.377	2.467		0.970	0.934	3.8	
Perfluorohexanoic acid (PFHxA)	AveID	1.043	0.9759		0.935	1.00	-6.5	
Perfluoropentanesulfonic acid (PFPeS)	AveID	1.297	1.248		0.903	0.938	-3.7	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	AveID	1.075	1.043		0.971	1.00	-2.9	
Perfluoroheptanoic acid (PFHpA)	AveID	1.031	1.017		0.987	1.00	-1.3	
Perfluorohexanesulfonic acid (PFHxS)	AveID	1.103	1.036		0.855	0.910	-6.0	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	AveID	4.119	4.363		0.998	0.942	5.9	
6:2 FTS	L1ID		1.587		1.02	0.948	7.1	30.0
Perfluoroheptanesulfonic acid (PFHpS)	AveID	1.236	1.257		0.968	0.952	1.7	
Perfluorooctanoic acid (PFOA)	AveID	1.121	1.089		0.971	1.00	-2.9	
Perfluorooctanesulfonic acid (PFOS)	L1ID		1.039		0.950	0.928	2.4	30.0
Perfluorononanoic acid (PFNA)	AveID	1.017	0.9916		0.975	1.00	-2.5	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3O	AveID	1.766	1.822		0.961	0.932	3.2	
Perfluorononanesulfonic acid (PFNS)	AveID	0.7830	0.7618		0.934	0.960	-2.7	
Perfluorodecanoic acid (PFDA)	AveID	1.052	0.995		0.946	1.00	-5.4	
8:2 FTS	AveID	0.9657	0.9378		0.930	0.958	-2.9	
Perfluorooctanesulfonamide (FOSA)	AveID	1.019	1.026		1.01	1.00	0.7	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	AveID	0.8881	0.8874		0.999	1.00	-0.0	
Perfluorodecanesulfonic acid (PFDS)	AveID	0.5827	0.5712		0.945	0.964	-2.0	
Perfluoroundecanoic acid (PFUnA)	AveID	1.059	1.033		0.975	1.00	-2.5	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	AveID	0.9079	0.9308		1.03	1.00	2.5	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF	AveID	2.299	2.292		0.939	0.942	-0.3	
Perfluorododecanoic acid (PFDoA)	AveID	1.014	1.012		0.998	1.00	-0.2	
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	AveID	0.4511	0.4715		1.01	0.964	4.5	
Perfluorododecanesulfonic acid (PFDoS)	AveID	0.2587	0.2509		0.939	0.968	-3.0	

FORM VII
PFAS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Lab Sample ID: CCV 200-182386/12 Calibration Date: 08/04/2022 18:31

Instrument ID: LC812 Calib Start Date: 08/03/2022 13:00

GC Column: C-18 ID: 4.60(mm) Calib End Date: 08/03/2022 13:41

Lab File ID: PA220804C12.d Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Perfluorotridecanoic acid (PFTriA)	AveID	0.8791	0.8744		0.995	1.00	-0.5	
Perfluorotetradecanoic acid (PFTeA)	AveID	0.1602	0.1548		0.967	1.00	-3.3	
Perfluoro-n-hexadecanoic acid (PFHxDA)	L1ID		0.9022		0.988	1.00	-1.2	30.0
Perfluoro-n-octadecanoic acid (PFODA)	AveID	0.6649	0.6763		1.02	1.00	1.7	
13C4 PFBA	Ave	1.167	1.114		1.19	1.25	-4.6	
13C5 PFPeA	Ave	0.8976	0.8544		1.19	1.25	-4.8	
13C3 PFBS	Ave	1.039	0.9313		1.04	1.16	-10.3	
M2-4:2 FTS	Ave	0.0894	0.0831		1.09	1.17	-7.0	
13C2 PFHxA	Ave	0.8962	0.8752		1.22	1.25	-2.3	
13C3 HFPO-DA	Ave	0.1687	0.1599		1.19	1.25	-5.2	
13C4 PFHpA	Ave	0.9296	0.8958		1.21	1.25	-3.6	50.0
18O2 PFHxS	Ave	0.7305	0.6799		1.10	1.18	-6.9	50.0
M2-6:2 FTS	Ave	0.1223	0.1120		1.09	1.19	-8.4	
13C4 PFOA	Ave	0.9525	0.9358		1.23	1.25	-1.8	50.0
13C4 PFOS	Ave	0.5455	0.4896		1.07	1.20	-10.2	50.0
13C5 PFNA	Ave	0.9889	0.9661		1.22	1.25	-2.3	50.0
13C2 PFDA	Ave	0.9624	0.9364		1.22	1.25	-2.7	
M2-8:2 FTS	Ave	0.1471	0.1337		1.09	1.20	-9.1	
13C8 FOSA	Ave	0.8423	0.7320		1.09	1.25	-13.1	
d3-NMeFOSAA	Ave	0.1290	0.1055		1.02	1.25	-18.2	
13C2 PFUnA	Ave	0.7292	0.7254		1.24	1.25	-0.5	
d5-NEtFOSAA	Ave	0.1221	0.0963		0.986	1.25	-21.1	
13C2 PFDoA	Ave	0.7556	0.7777		1.29	1.25	2.9	
13C2 PFTeDA	Ave	0.6177	0.6674		1.35	1.25	8.0	
13C2 PFHxDA	Ave	0.7037	0.6929		1.23	1.25	-1.5	

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Lims ID: CCV L4
Client ID:
Sample Type: CCV
Inject. Date: 04-Aug-2022 18:31:19 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: CCV L4
Misc. Info.: 200-0051963-012 Plate: 1 Rack: 3
Operator ID: lc812tech Instrument ID: LC812
Sublist: chrom-PFC_LC812*sub3

Method: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 05-Aug-2022 14:48:35 Calib Date: 03-Aug-2022 13:41:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1640

First Level Reviewer: khanphomeea Date: 05-Aug-2022 09:23:13
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.076	2.076	0.0	0.598	2089930	1.19		95.4	8595	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.076	2.085	-0.009	1.000	1492579	0.9206		92.1	148	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.386	2.400	-0.014	0.687	1603103	1.19		95.2	2880	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.386	2.400	-0.014	1.000	1315822	1.00		99.5	40.4	M
D 47 13C3 PFBS										
301.90 > 80.00	2.400	2.413	-0.013	0.691	1625109	1.04		89.7	170312	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.413	2.413	0.0	1.006	1357752	0.8799	Target=2.23	99.5	627	
298.90 > 99.00	2.413	2.413	0.0	1.006	608040		2.23(1.11-3.34)		313	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.701	2.713	-0.012	0.778	145684	1.09		93.0	84.4	M
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.701	2.713	-0.012	1.000	287570	0.9696		104	1428	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.737	2.750	-0.013	1.000	1281940	0.9352	Target=12.24	93.5	133	M
313.00 > 119.00	2.737	2.750	-0.013	1.000	106523		12.03(6.12-18.36)		162	
D 7 13C2 PFHxA										
315.00 > 270.00	2.737	2.750	-0.013	0.788	1642081	1.22		97.7	3513	
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.750	2.750	0.0	0.884	1194997	0.9031	Target=2.95	96.3	702	
349.00 > 99.00	2.750	2.750	0.0	0.884	389464		3.07(1.48-4.43)		471	
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.847	2.859	-0.012	0.820	300053	1.19		94.8	1867	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										
285.00 > 169.00	2.847	2.859	-0.012	1.000	250426	0.9709		97.1	3122	
D 11 18O2 PFHxS										M
403.00 > 84.00	3.110	3.110	0.0	0.895	1206776	1.10		93.1	1739	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.110	3.110	0.0	1.000	962400	0.8550	Target=3.43	94.0	699	M
399.00 > 99.00	3.110	3.110	0.0	1.000	288331		3.34(1.72-5.15)		353	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.110	3.121	-0.011	0.895	1680792	1.20		96.4	2821	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.110	3.121	-0.011	1.000	1368021	0.9872	Target=3.73	98.7	201	M
363.00 > 169.00	3.110	3.121	-0.011	1.000	370463		3.69(1.86-5.59)		458	M
77 DONA										M
377.00 > 251.00	3.154	3.154	0.0	0.832	3020430	1.00	Target=2.84	106	2052	M
377.00 > 85.00	3.154	3.154	0.0	0.832	1074600		2.81(1.42-4.26)		921	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.456	3.465	-0.009	0.995	199561	1.09		91.6	299	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.456	3.465	-0.009	1.000	252754	1.02		107	573	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.456	3.465	-0.009	0.911	879203	0.9680	Target=4.89	102	1276	M
449.00 > 99.00	3.456	3.465	-0.009	0.911	174301		5.04(2.44-7.33)		523	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.474	3.474	0.0	1.000	1529665	0.9711	Target=2.67	97.1	148	M
413.00 > 169.00	3.474	3.474	0.0	1.000	572724		2.67(1.34-4.01)		691	M
D 14 13C4 PFOA										M
417.00 > 372.00	3.474	3.474	0.0	1.000	1755915	1.23		98.2	1752	M
* 62 13C2 PFOA										
415.00 > 370.00	3.474	3.474	0.0		1876334	1.25			4058	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.792	3.792	0.0	1.000	708228	0.9502	Target=4.88	102	442	M
499.00 > 99.00	3.792	3.792	0.0	1.000	151301		4.68(2.44-7.32)		444	M
D 18 13C4 PFOS										M
503.00 > 80.00	3.792	3.792	0.0	1.092	878156	1.07		89.8	1539	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.812	3.812	0.0	1.000	1438006	0.9745	Target=8.23	97.5	350	
463.00 > 169.00	3.812	3.812	0.0	1.000	182859		7.86(4.11-12.34)		1029	
D 19 13C5 PFNA										M
468.00 > 423.00	3.812	3.812	0.0	1.097	1812815	1.22		97.7	2411	M
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.960	3.960	0.0	1.044	1248035	0.9614		103	2847	M
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.093	4.093	0.0	1.079	537417	0.9340	Target=2.53	97.3	1185	M
549.00 > 99.00	4.093	4.093	0.0	1.079	215995		2.49(1.26-3.79)		1013	
24 Perfluorodecanoic acid										
513.00 > 469.00	4.115	4.116	-0.001	1.000	1398840	0.9463	Target=9.67	94.6	610	
513.00 > 169.00	4.115	4.116	-0.001	1.000	153507		9.11(4.83-14.50)		797	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 23 13C2 PFDA										M
515.00 > 470.00	4.115	4.116	-0.001	1.185	1756948	1.22		97.3	2113	M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.127	4.127	0.0	1.000	180259	0.9304		97.1	1474	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.127	4.127	0.0	1.188	240264	1.09		90.9	850	
D 21 13C8 FOSA										M
506.00 > 78.00	4.161	4.161	0.0	1.198	1373482	1.09		86.9	1322	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.161	4.161	0.0	1.000	1127183	1.01		101	1906	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.261	4.261	0.0	1.000	140573	1.00		99.9	431	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.261	4.261	0.0	1.227	198011	1.02		81.8	524	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.365	4.365	0.0	1.151	404620	0.9450	Target=2.80	98.0	1563	
599.00 > 99.00	4.365	4.365	0.0	1.151	161668		2.50(1.40-4.20)		1012	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.387	4.387	0.0	1.263	1361117	1.24		99.5	1924	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.387	4.387	0.0	1.000	1124490	0.9748	Target=9.07	97.5	783	
563.00 > 169.00	4.387	4.387	0.0	1.000	128272		8.77(4.54-13.61)		572	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.410	4.399	0.011	1.003	134599	1.03		103	723	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.399	4.399	0.0	1.266	180752	0.9862		78.9	705	
66 11-Chloroeicosafluoro-3-oxaundec										M
631.00 > 451.00	4.491	4.491	0.0	1.184	1586472	0.9390		99.7	1245	M
D 36 13C2 PFDoA										M
615.00 > 570.00	4.633	4.633	0.0	1.334	1459285	1.29		103	1364	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.633	4.633	0.0	1.000	1181368	1.00	Target=6.97	99.8	179	M
613.00 > 169.00	4.633	4.633	0.0	1.000	181035		6.53(3.48-10.45)		1271	
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.654	4.654	0.0	1.128	91194	1.01		105	527	M
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.825	4.813	0.012	1.272	178456	0.9387	Target=0.52	97.0	852	M
699.00 > 99.00	4.825	4.813	0.012	1.272	337983		0.53(0.26-0.79)		1422	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.870	4.859	0.011	1.051	1020836	0.99	Target=4.56	99.5	189	M
663.00 > 169.00	4.859	4.859	0.0	1.049	229979		4.44(2.28-6.84)		826	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.071	5.052	0.019	1.460	1252283	1.35		108	2487	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.071	5.052	0.019	1.000	155127	0.9665	Target=0.94	96.7	1511	
713.00 > 219.00	5.062	5.052	0.010	0.998	169591		0.91(0.47-1.41)		939	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	5.455	5.422	0.033	1.000	938418	0.9884	Target=4.38	98.8	215	M
813.00 > 169.00	5.455	5.422	0.033	1.000	224582		4.18(2.19-6.57)		1691	
D 44 13C2 PFHxDA										M
815.00 > 770.00	5.455	5.422	0.033	1.570	1300186	1.23		98.5	2002	M
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.838	5.795	0.043	1.070	703444	1.02	Target=4.31	102	180	M
913.00 > 169.00	5.838	5.795	0.043	1.070	161246		4.36(2.16-6.47)		585	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

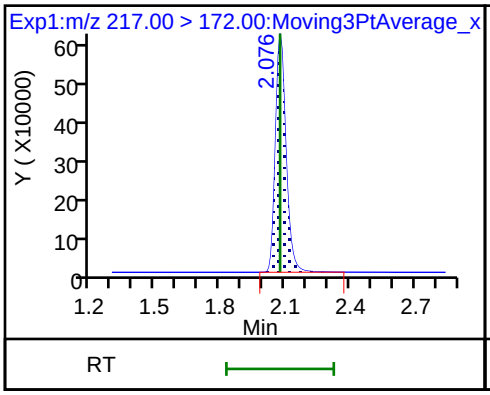
PFAS32NCIC4_00033 Amount Added: 100.00 Units: uL

Report Date: 05-Aug-2022 14:48:36 Chrom Revision: 2.3 04-Aug-2022 18:02:28

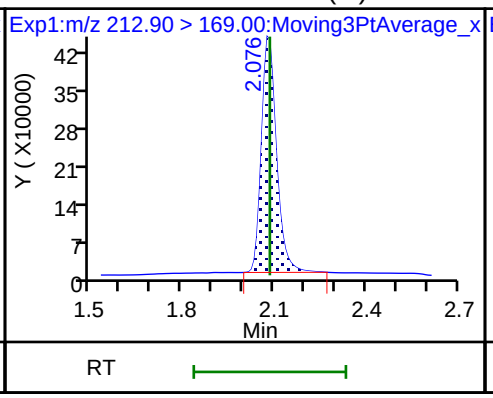
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL

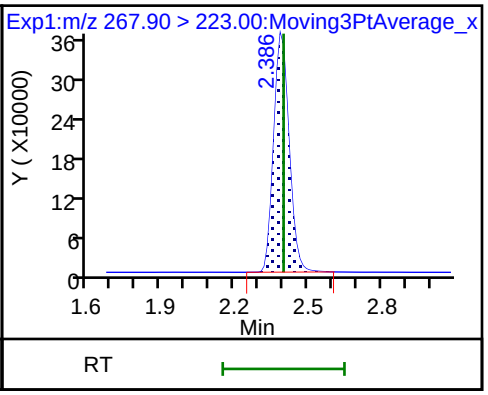
D 1 13C4 PFBA



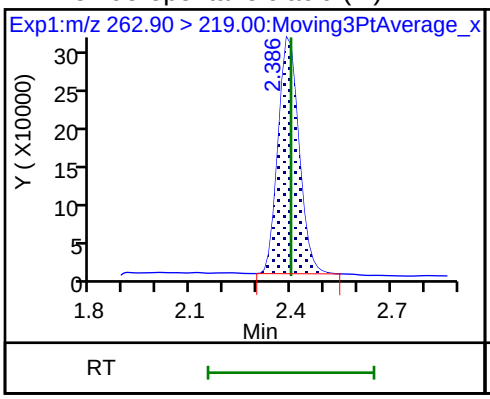
2 Perfluorobutanoic acid (M)



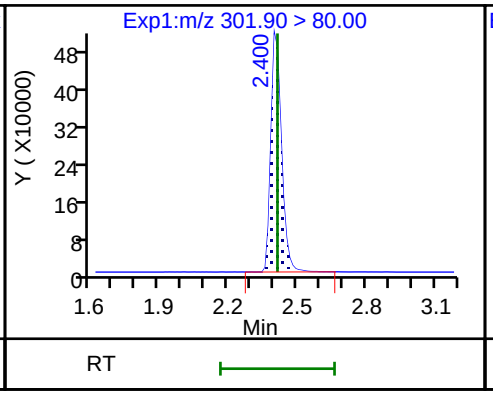
D 3 13C5 PFPeA



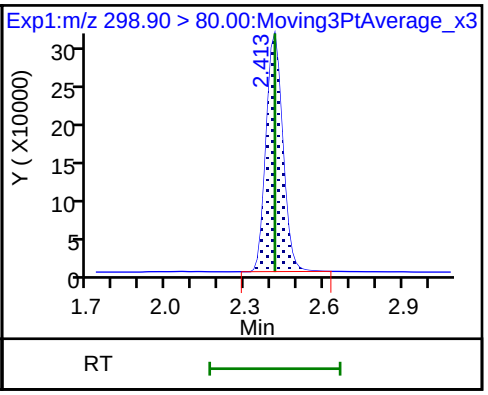
4 Perfluoropentanoic acid (M)



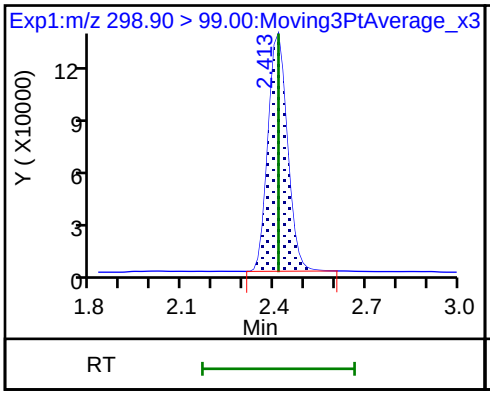
D 47 13C3 PFBS



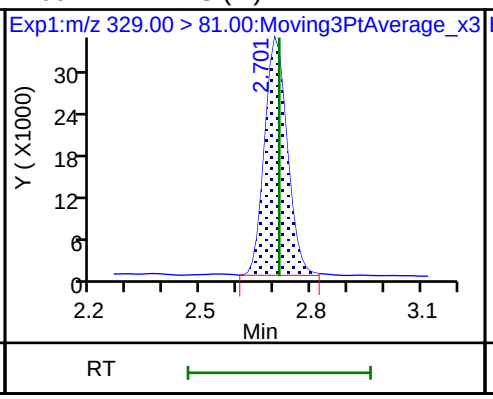
5 Perfluorobutanesulfonic acid



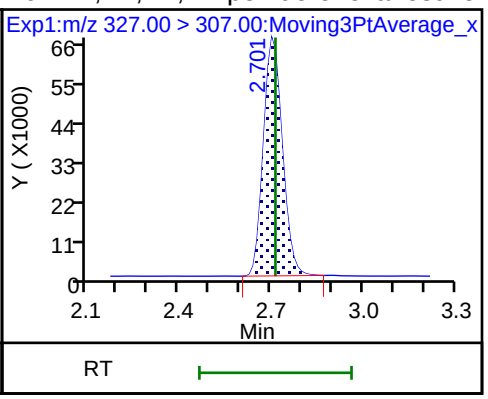
5 Perfluorobutanesulfonic acid



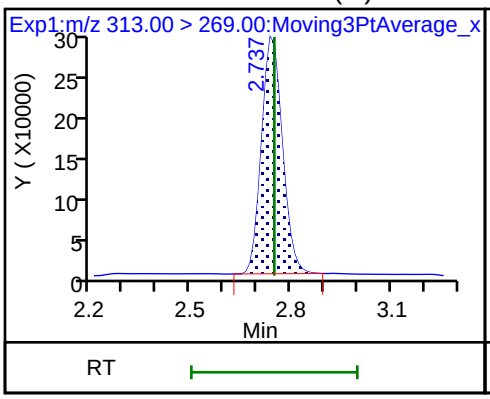
D 60 M2-4:2 FTS (M)



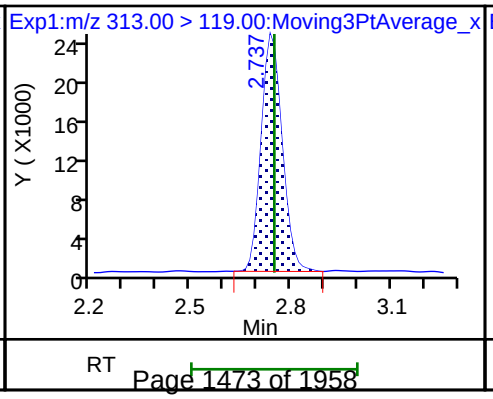
61 1H,1H,2H,2H-perfluorohexanesulfo



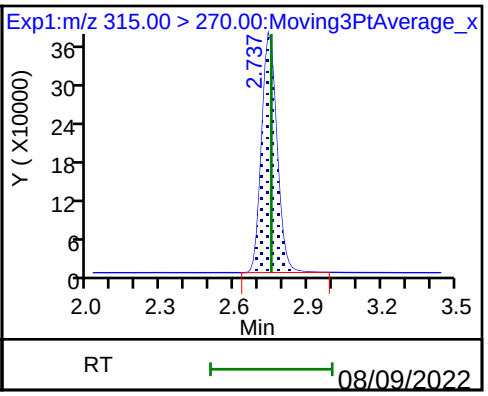
6 Perfluorohexanoic acid (M)



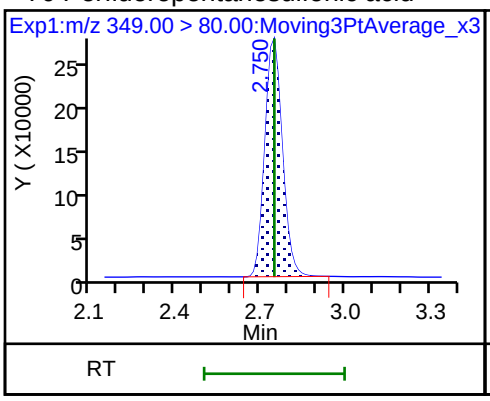
6 Perfluorohexanoic acid



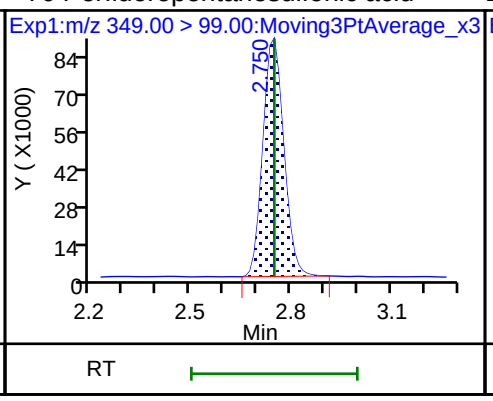
D 7 13C2 PFHxA



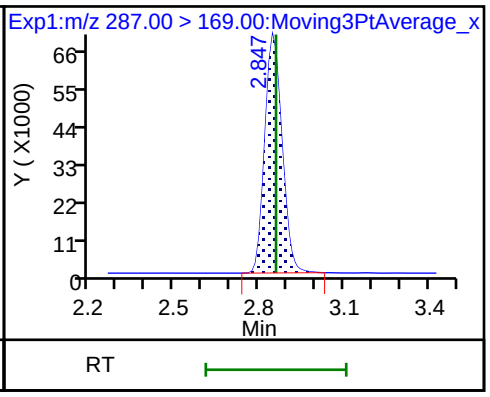
70 Perfluoropentanesulfonic acid



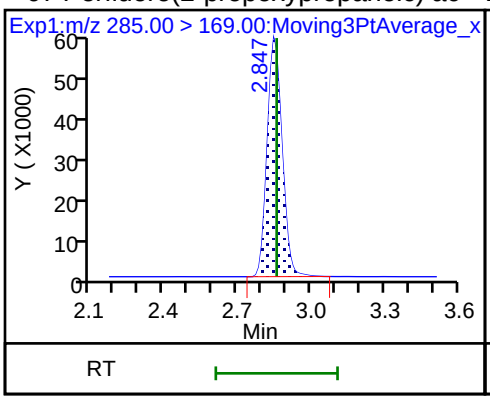
70 Perfluoropentanesulfonic acid



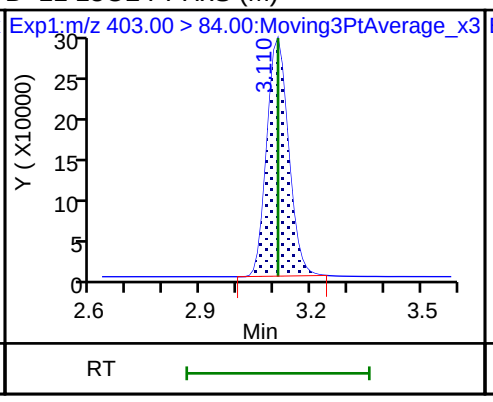
D 64 13C3 HFPO-DA



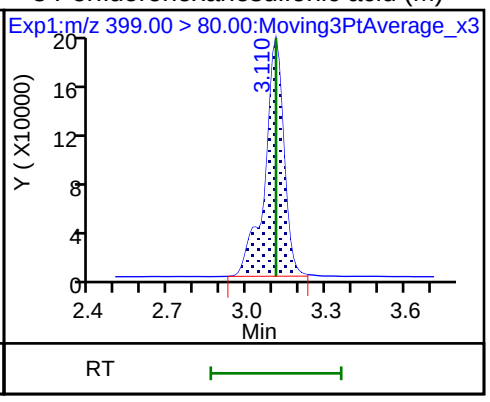
67 Perfluoro(2-propoxypropanoic) ac



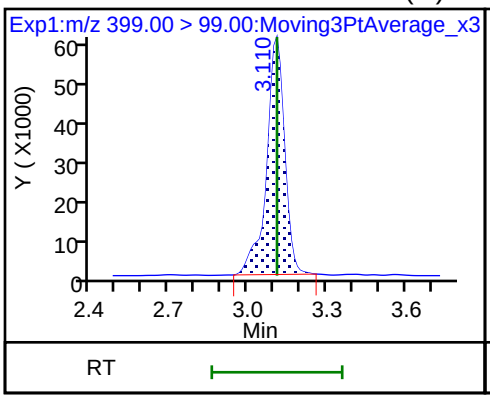
D 11 18O2 PFHxS (M)



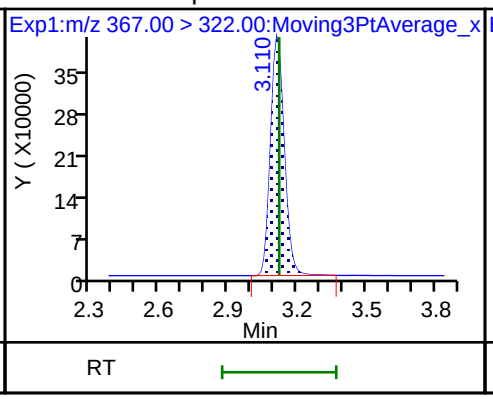
8 Perfluorohexanesulfonic acid (M)



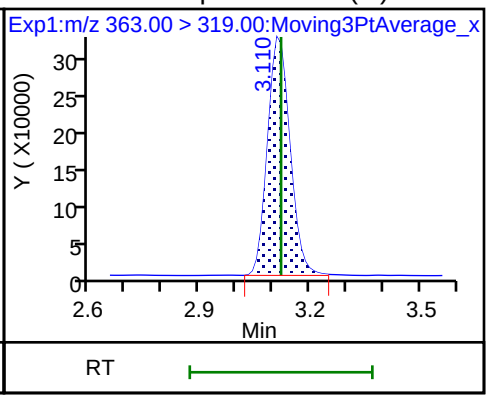
8 Perfluorohexanesulfonic acid (M)



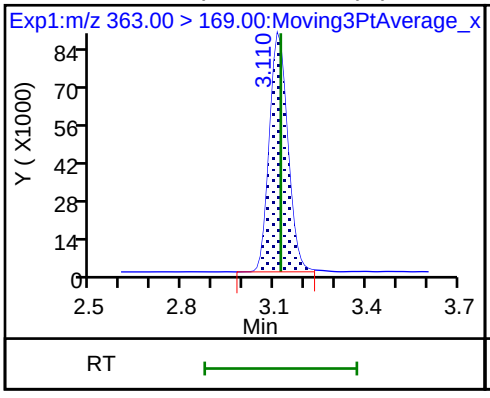
D 9 13C4 PFHpA



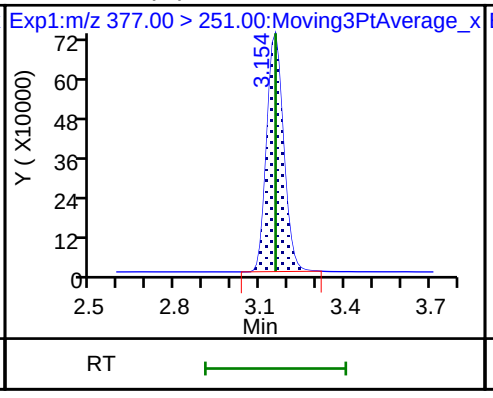
10 Perfluoroheptanoic acid (M)



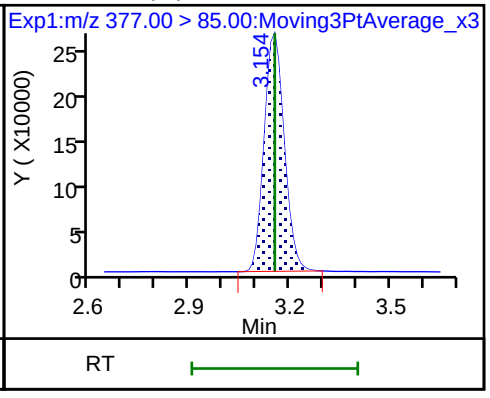
10 Perfluoroheptanoic acid (M)



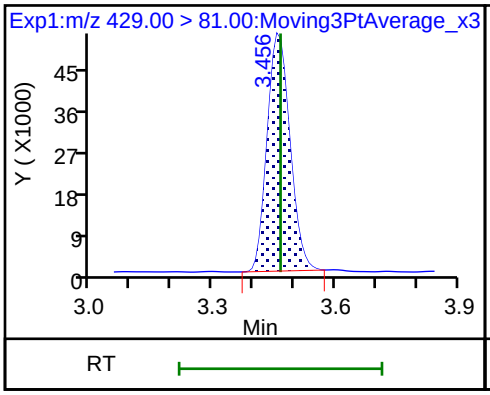
77 DONA (M)



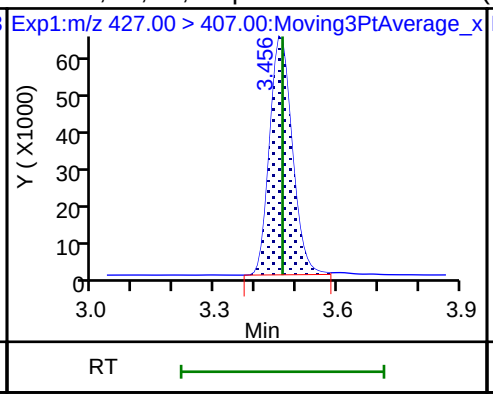
77 DONA (M)



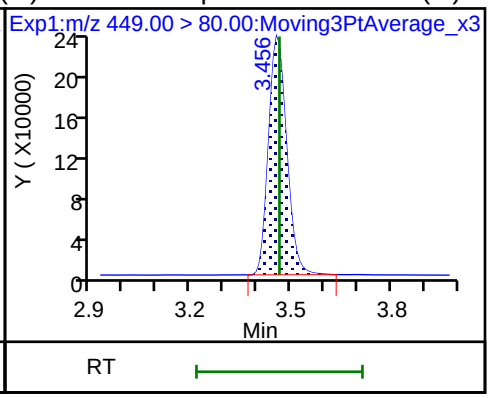
D 12 M2-6:2 FTS



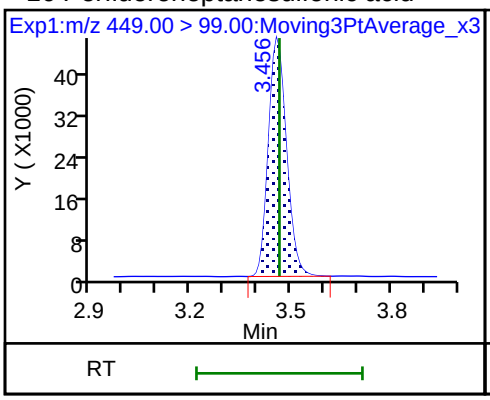
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



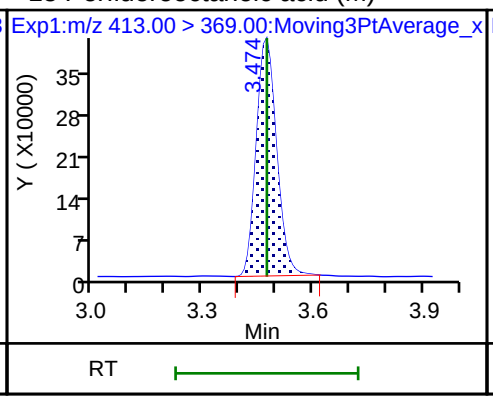
16 Perfluoroheptanesulfonic acid (M)



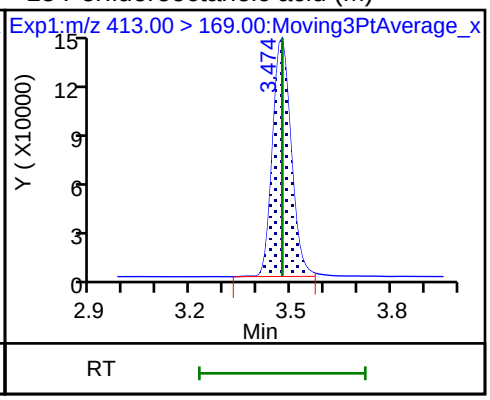
16 Perfluoroheptanesulfonic acid



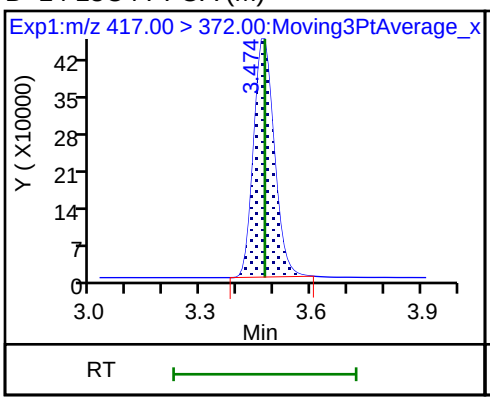
15 Perfluorooctanoic acid (M)



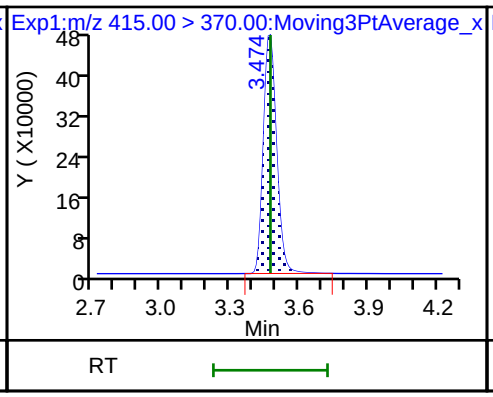
15 Perfluorooctanoic acid (M)



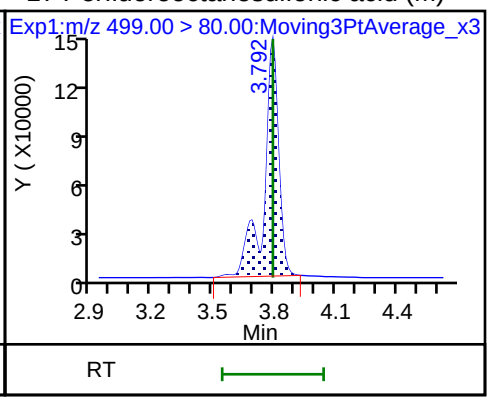
D 14 13C4 PFOA (M)



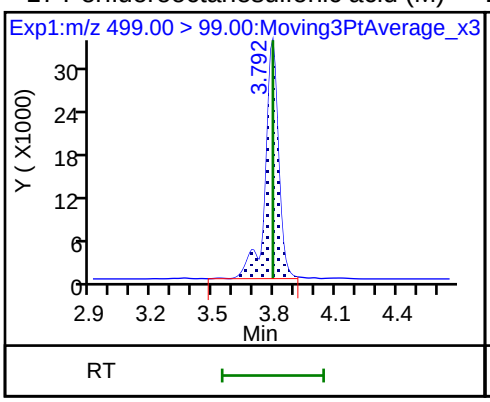
* 62 13C2 PFOA



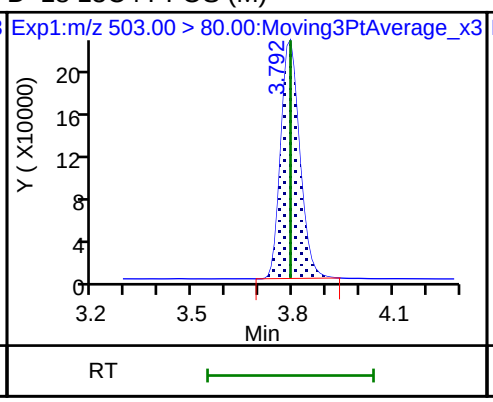
17 Perfluorooctanesulfonic acid (M)



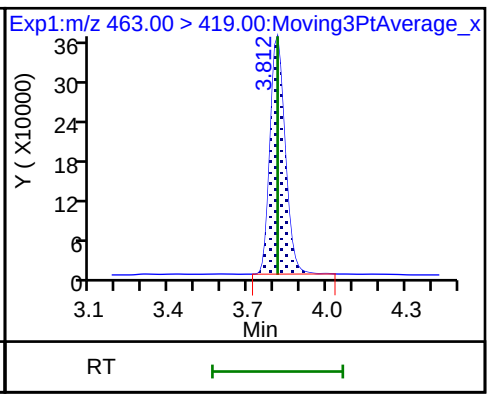
17 Perfluorooctanesulfonic acid (M)



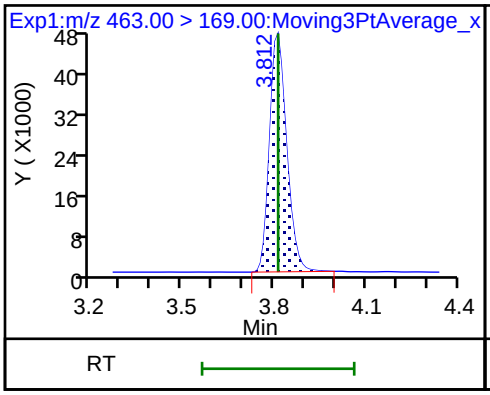
D 18 13C4 PFOS (M)



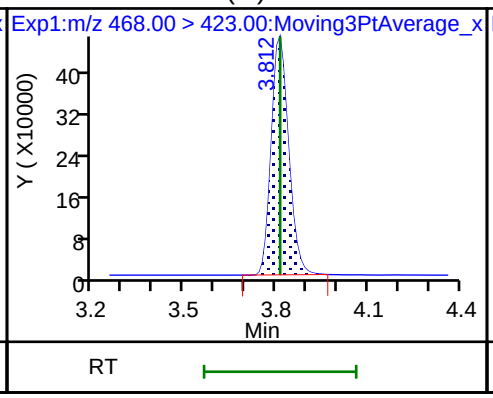
20 Perfluorononanoic acid



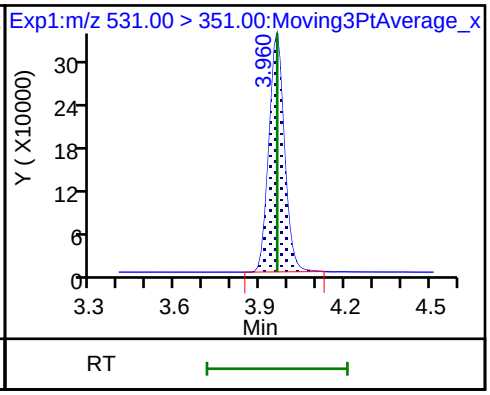
20 Perfluorononanoic acid



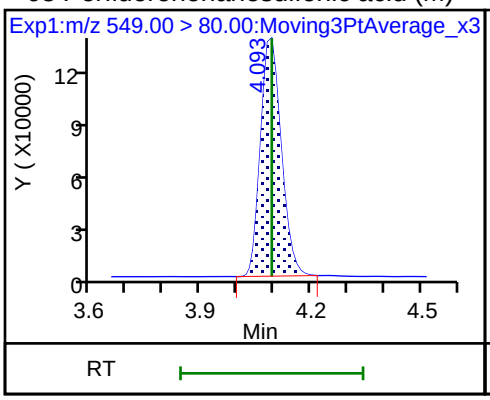
D 19 13C5 PFNA (M)



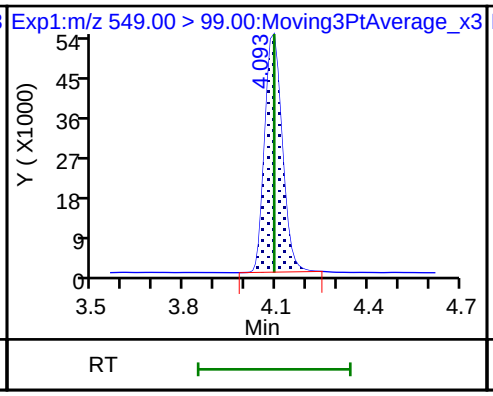
69 9-Chlorohexadecafluoro-3-oxanona (M)



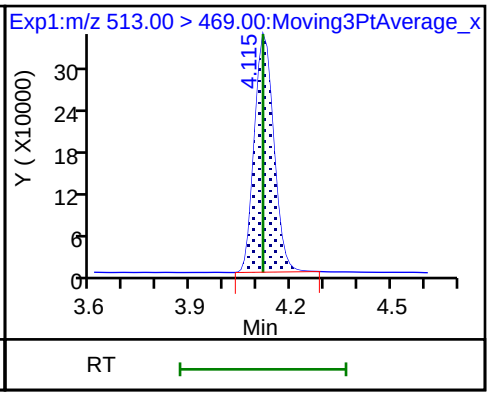
68 Perfluorononanesulfonic acid (M)



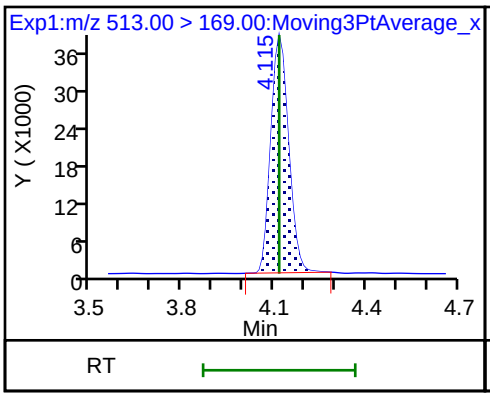
68 Perfluorononanesulfonic acid



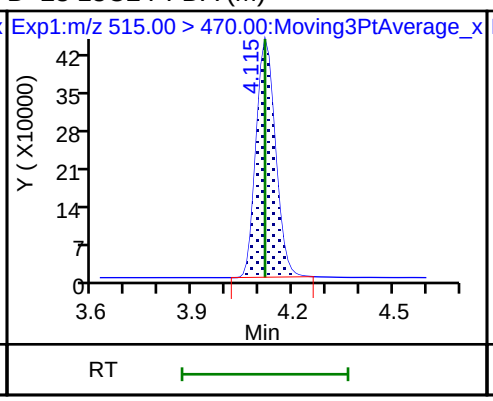
24 Perfluorodecanoic acid



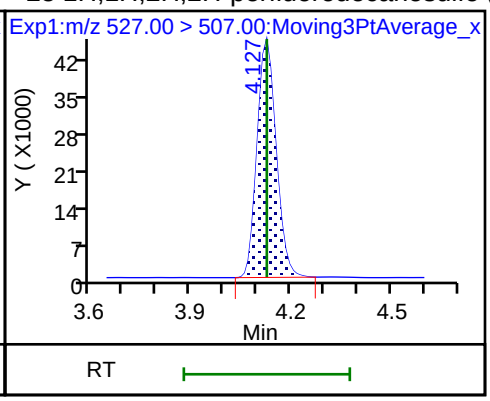
24 Perfluorodecanoic acid



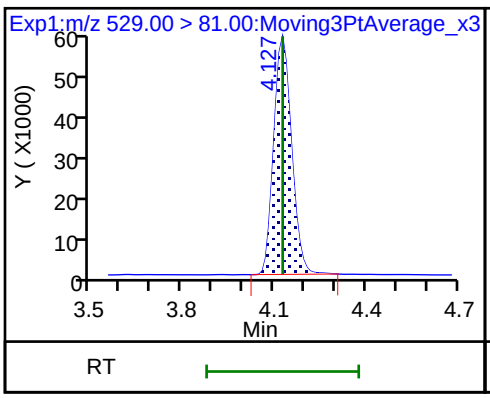
D 23 13C2 PFDA (M)



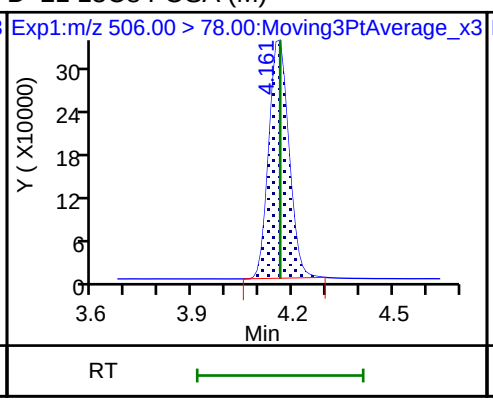
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



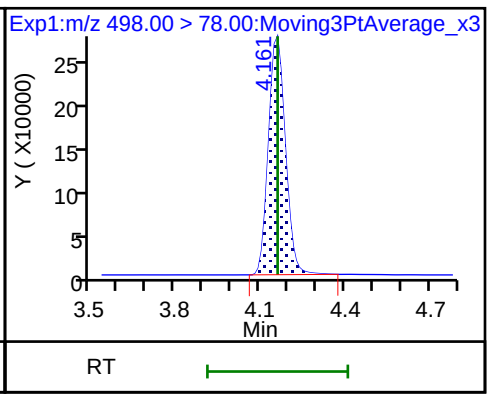
D 26 M2-8:2 FTS



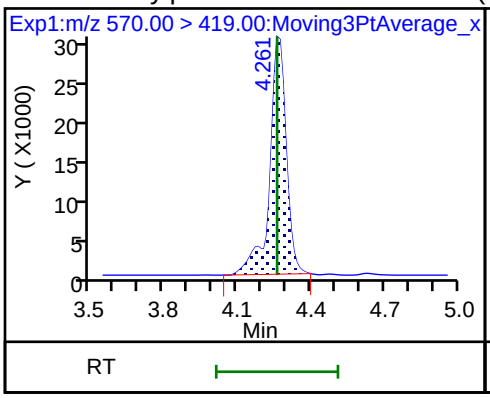
D 21 13C8 FOSA (M)



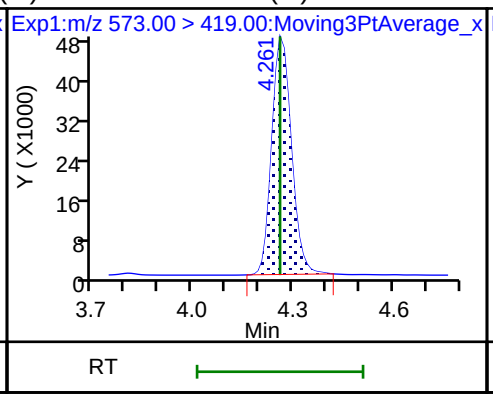
22 Perfluorooctanesulfonamide



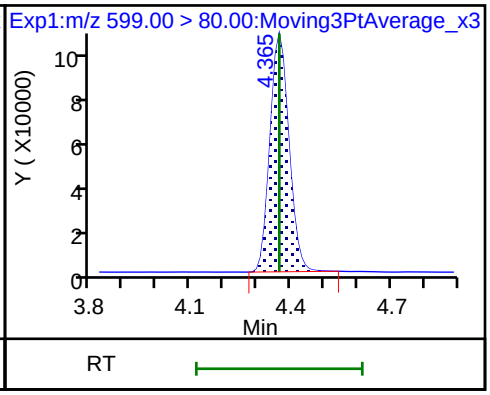
28 N-methylperfluorooctanesulfonami (M)



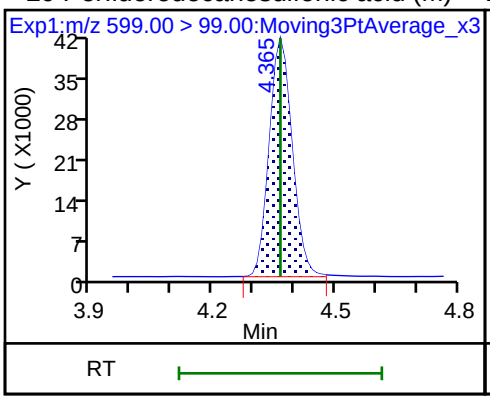
D 27 d3-NMeFOSAA (M)



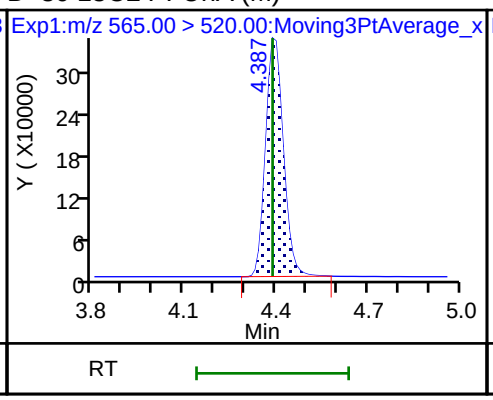
29 Perfluorodecanesulfonic acid



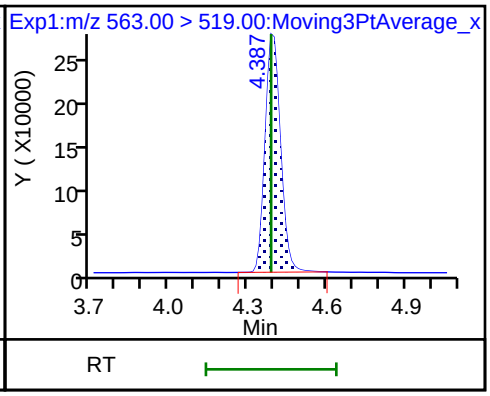
29 Perfluorodecanesulfonic acid (M)



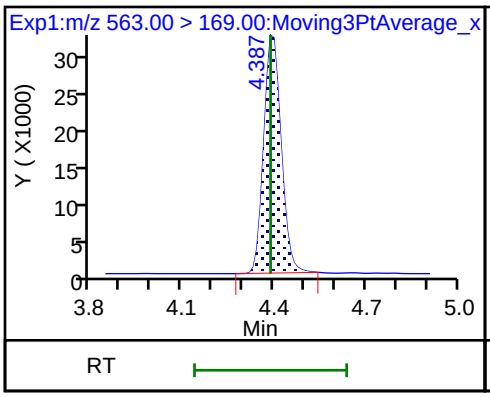
D 30 13C2 PFUnA (M)



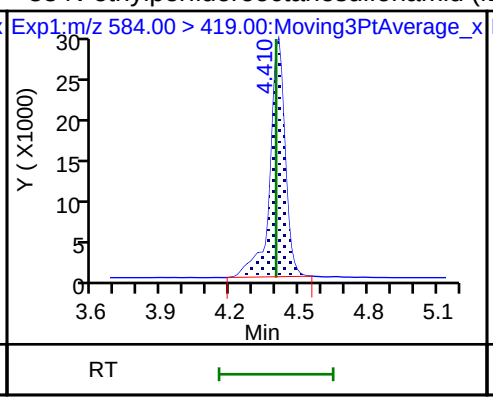
31 Perfluoroundecanoic acid



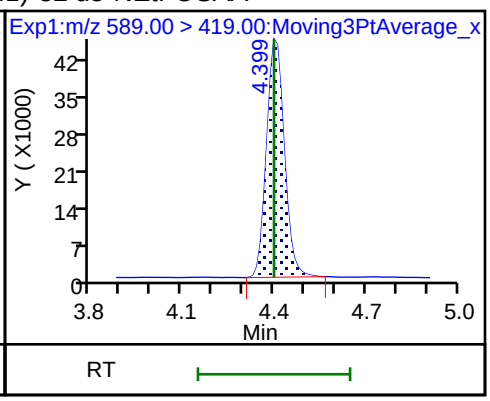
31 Perfluoroundecanoic acid



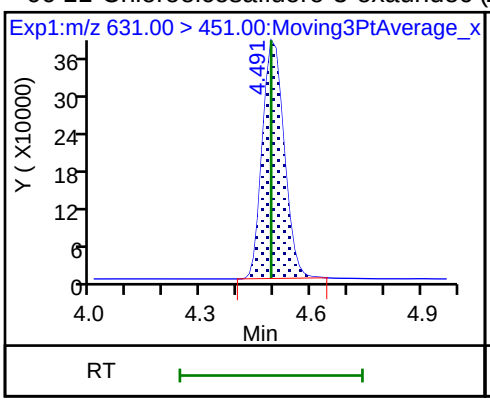
33 N-ethylperfluorooctanesulfonamid (M)



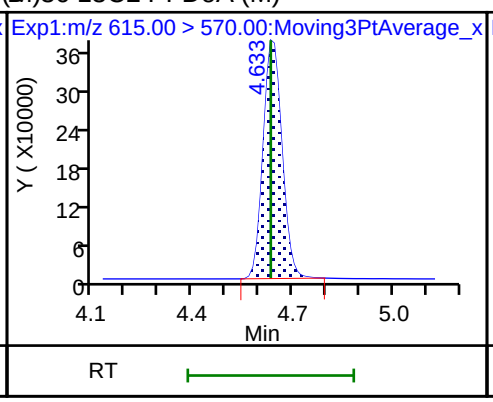
D 32 d5-NEtFOSAA



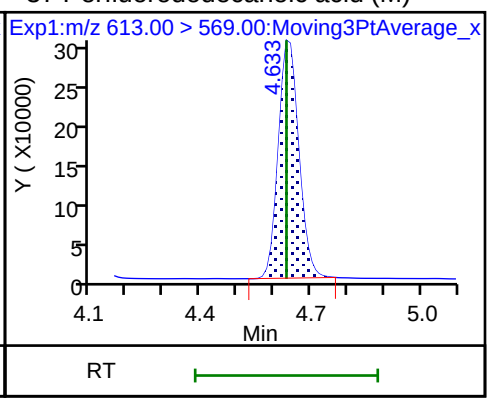
66 11-Chloroeicosafluoro-3-oxaundec (M)



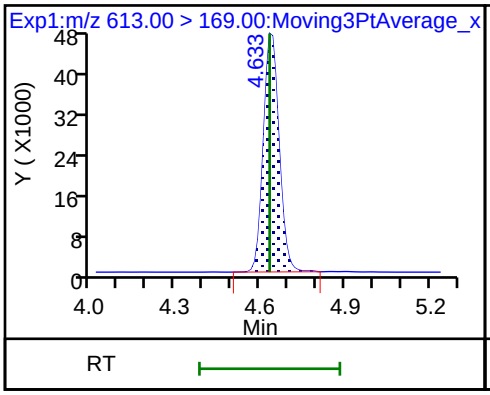
D 36 13C2 PFDoA (M)



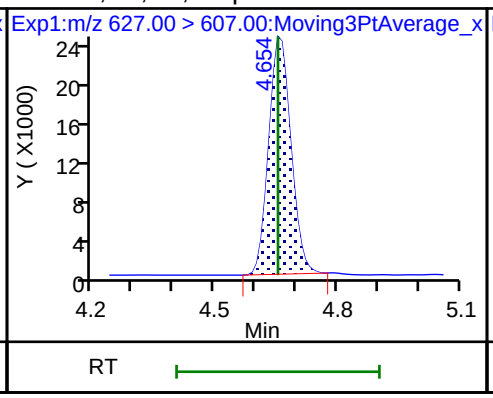
37 Perfluorododecanoic acid (M)



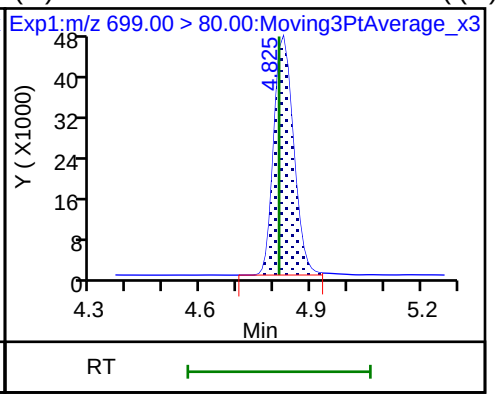
37 Perfluorododecanoic acid



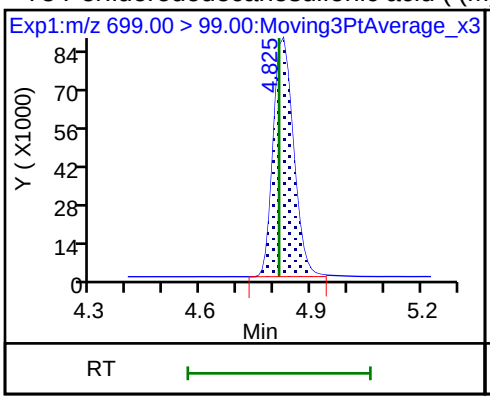
74 1H,1H,2H,2H-perfluorododecanesul (M)



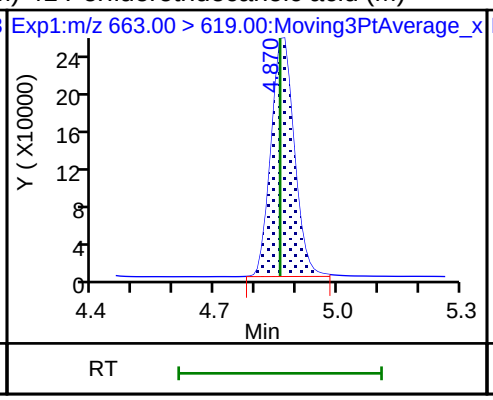
75 Perfluorododecanesulfonic acid ((M)



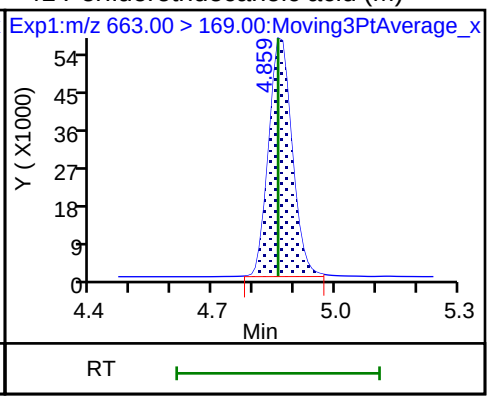
75 Perfluorododecanesulfonic acid ((M)



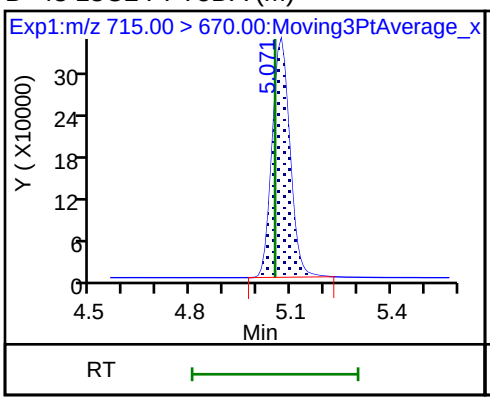
41 Perfluorotridecanoic acid (M)



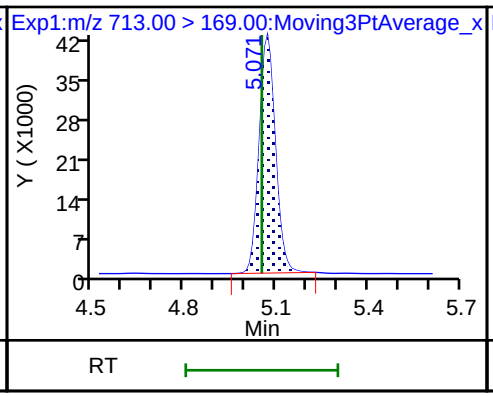
41 Perfluorotridecanoic acid (M)



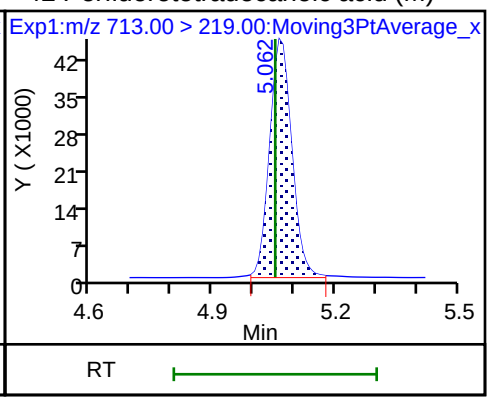
D 43 13C2 PFTeDA (M)



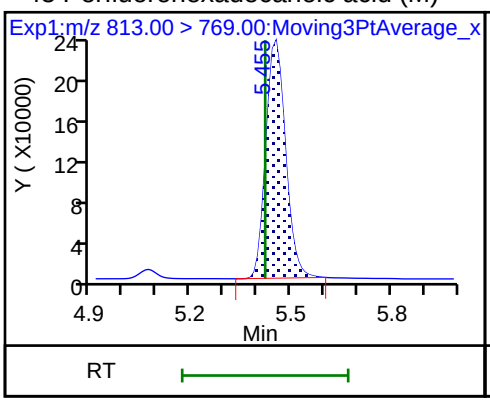
42 Perfluorotetradecanoic acid



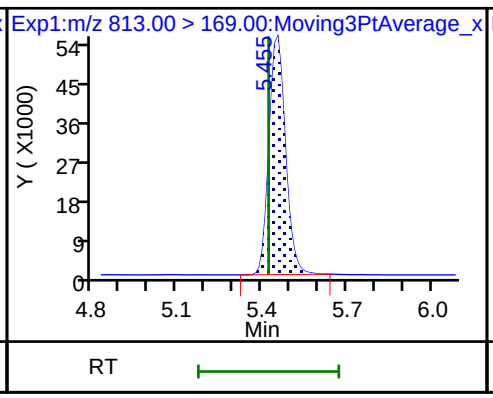
42 Perfluorotetradecanoic acid (M)



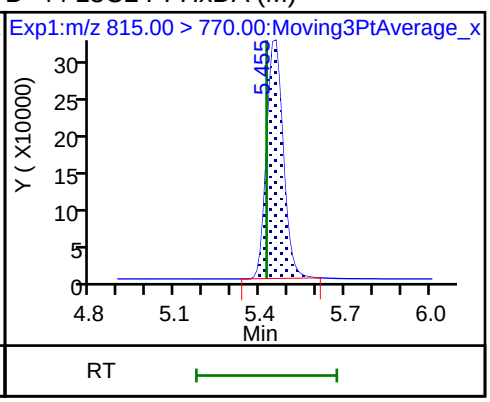
45 Perfluorohexadecanoic acid (M)



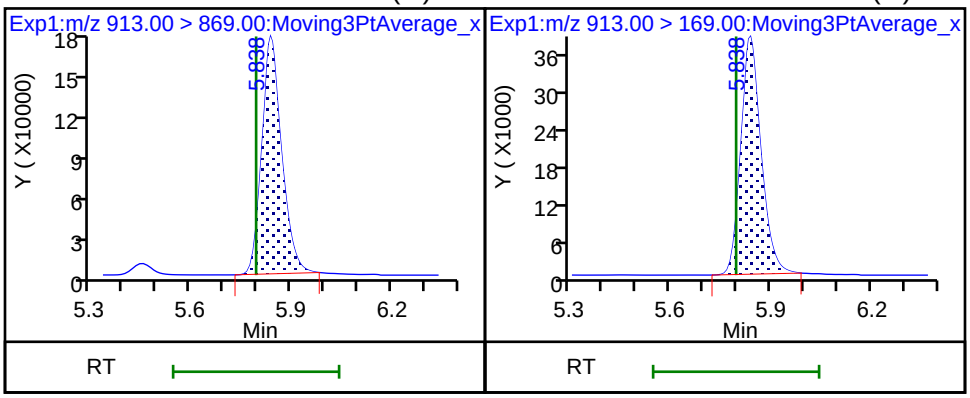
45 Perfluorohexadecanoic acid



D 44 13C2 PFHxDA (M)



46 Perfluorooctadecanoic acid (M) 46 Perfluorooctadecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins Burlington

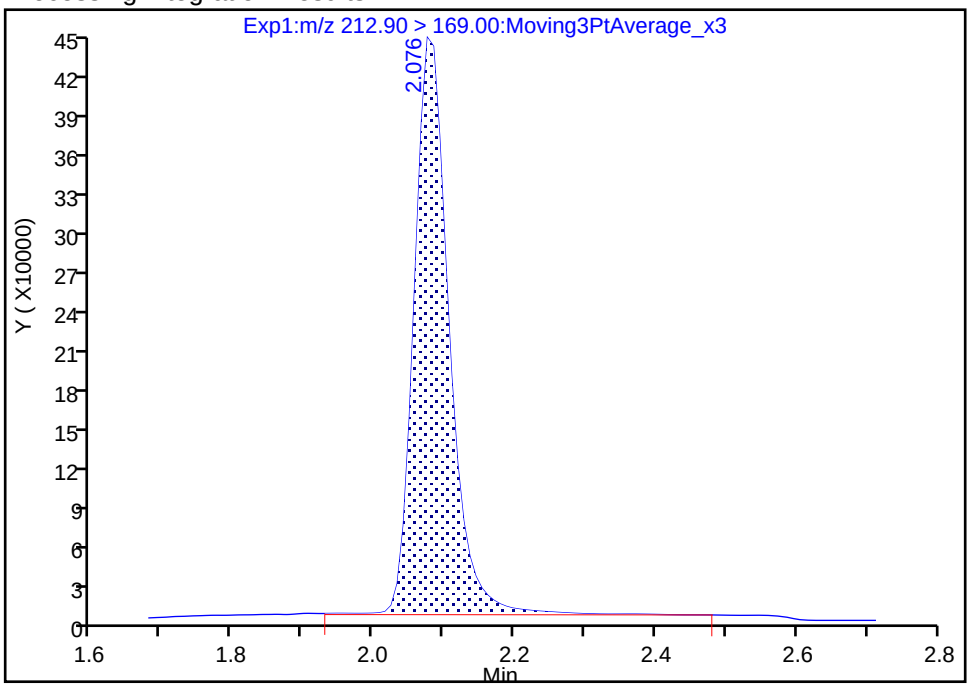
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Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

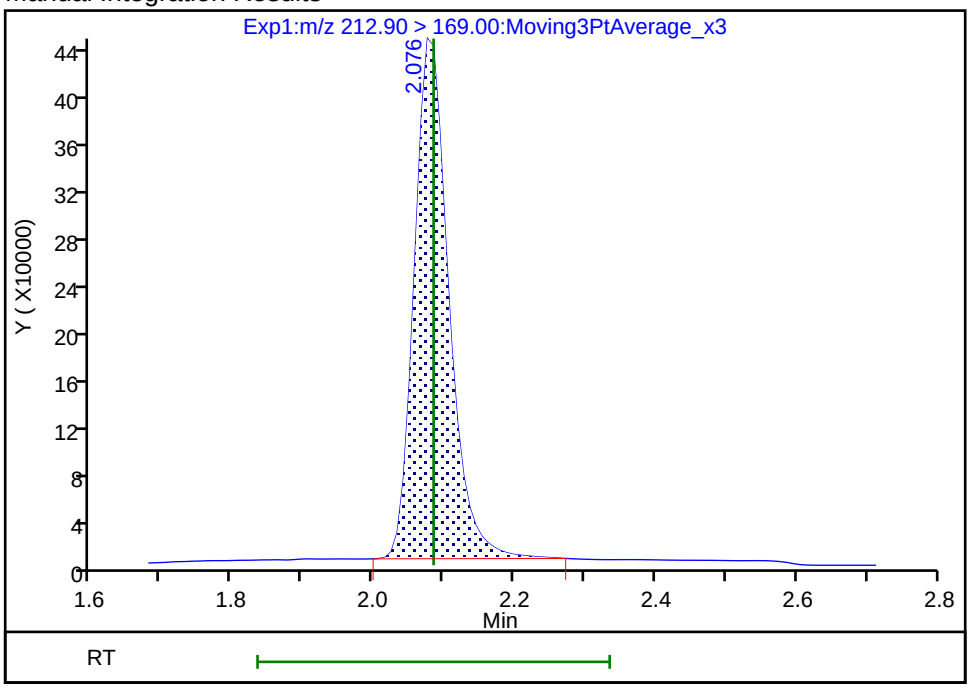
Processing Integration Results

RT: 2.08
Area: 1522398
Amount: 0.939017
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 1492579
Amount: 0.920625
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:29:05
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

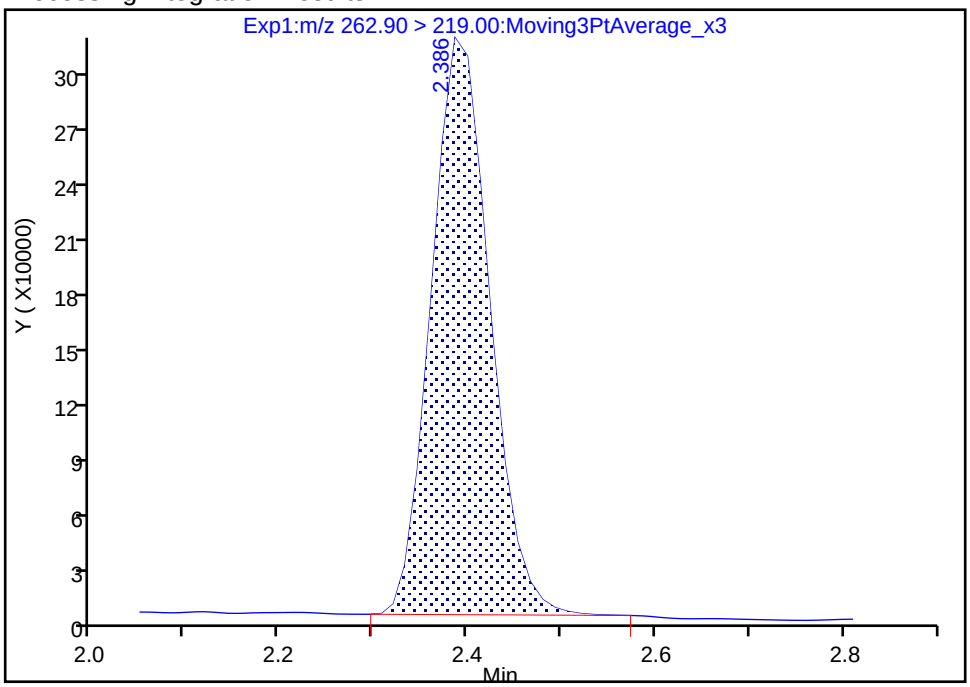
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Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

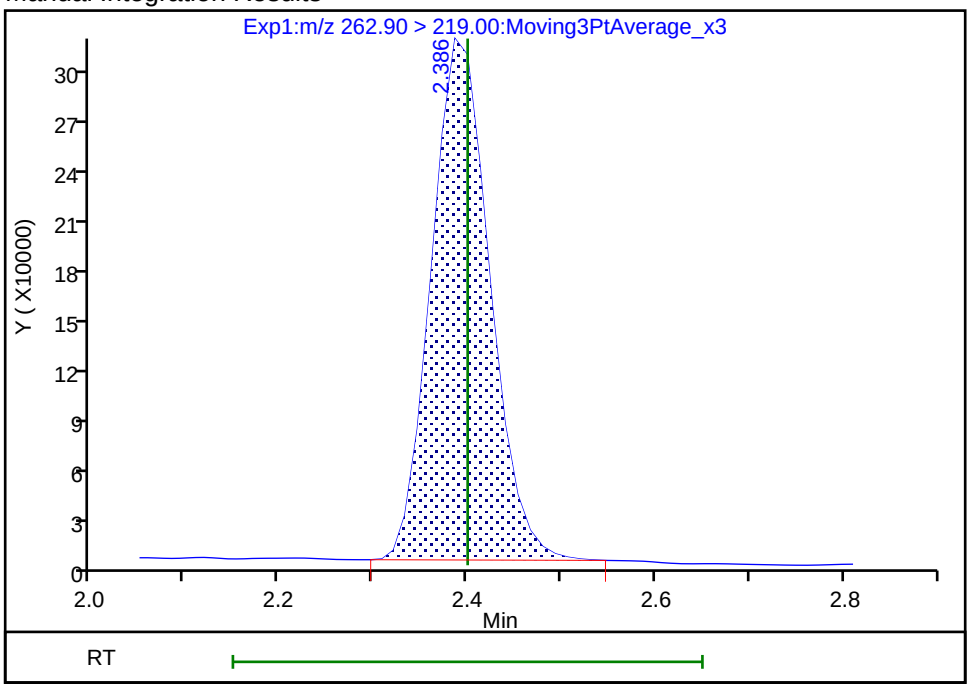
Processing Integration Results

RT: 2.39
Area: 1317311
Amount: 0.996333
Amount Units: ng/ml



Manual Integration Results

RT: 2.39
Area: 1315822
Amount: 0.995207
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:18:53
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

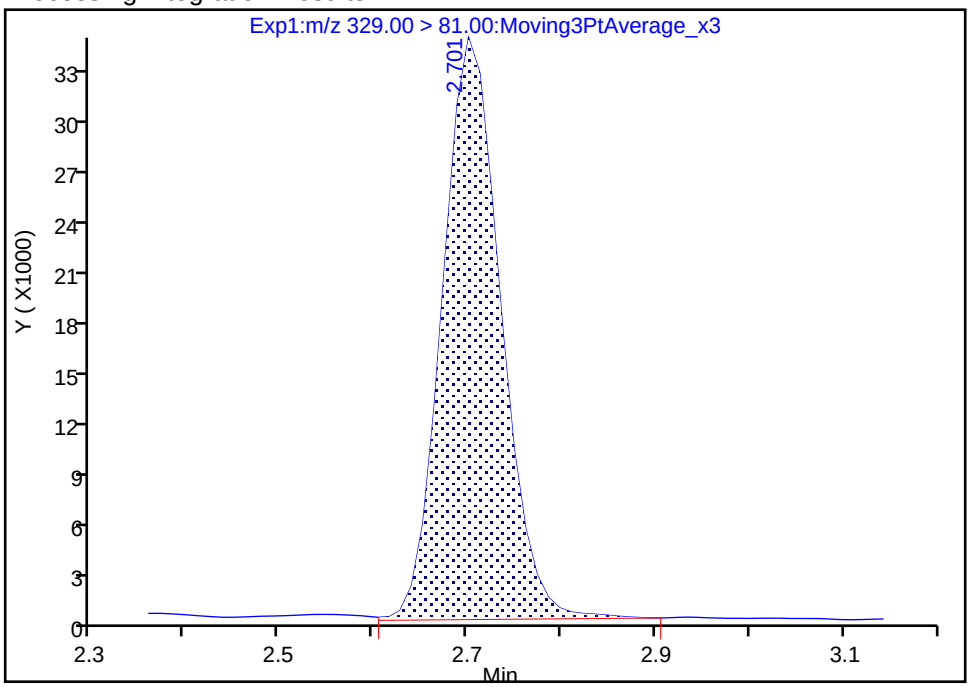
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Injection Date:	04-Aug-2022 18:31:19	Instrument ID:	LC812		
Lims ID:	CCV L4				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

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

Signal: 1

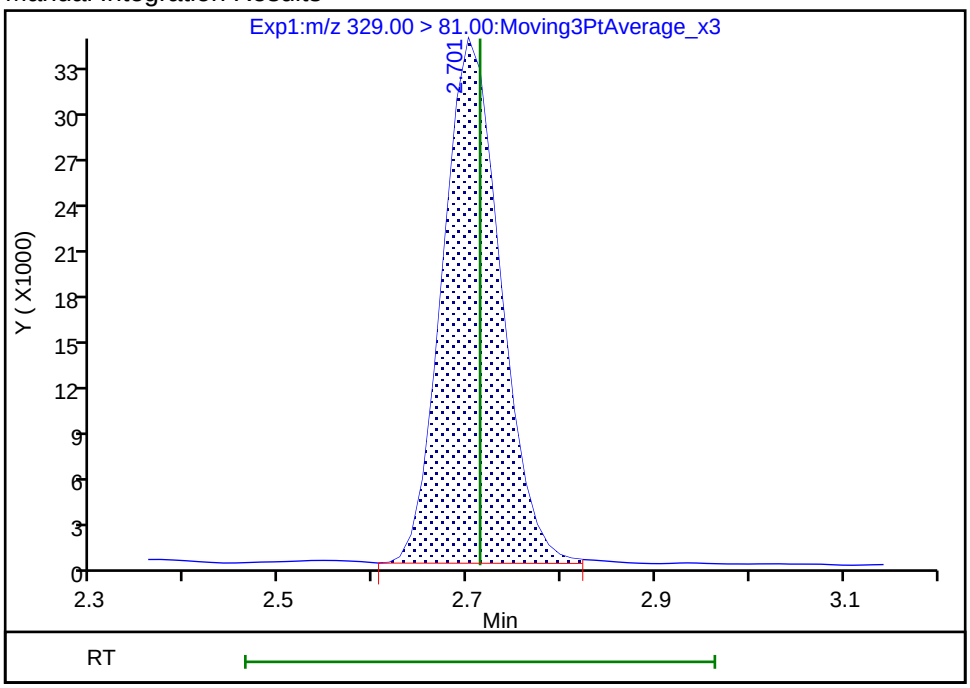
Processing Integration Results

RT: 2.70
Area: 147803
Amount: 1.101184
Amount Units: ng/ml



Manual Integration Results

RT: 2.70
Area: 145684
Amount: 1.085396
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:17:58

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

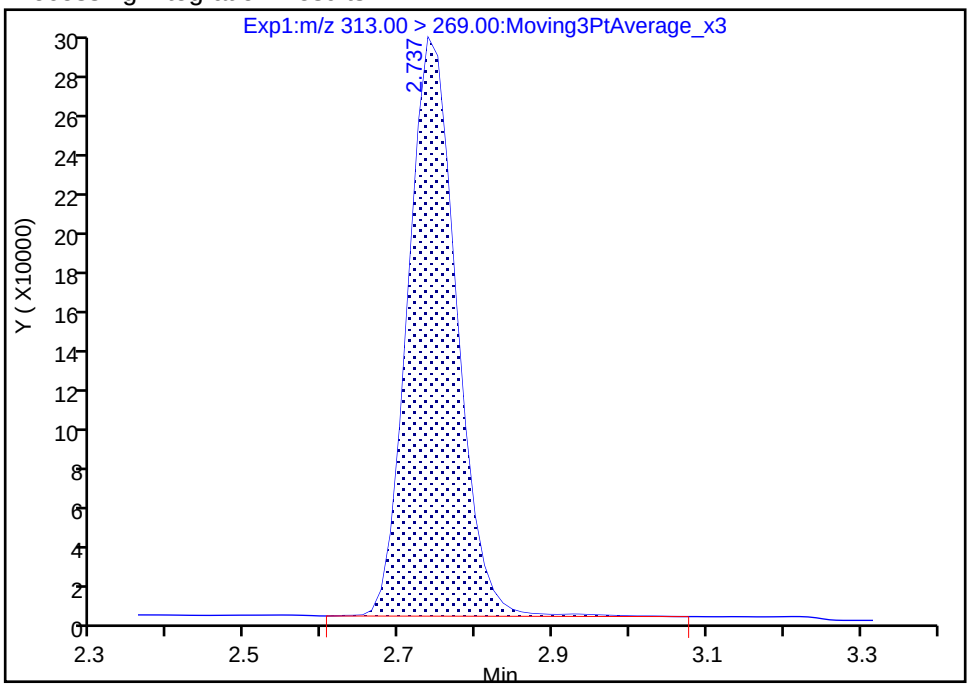
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Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

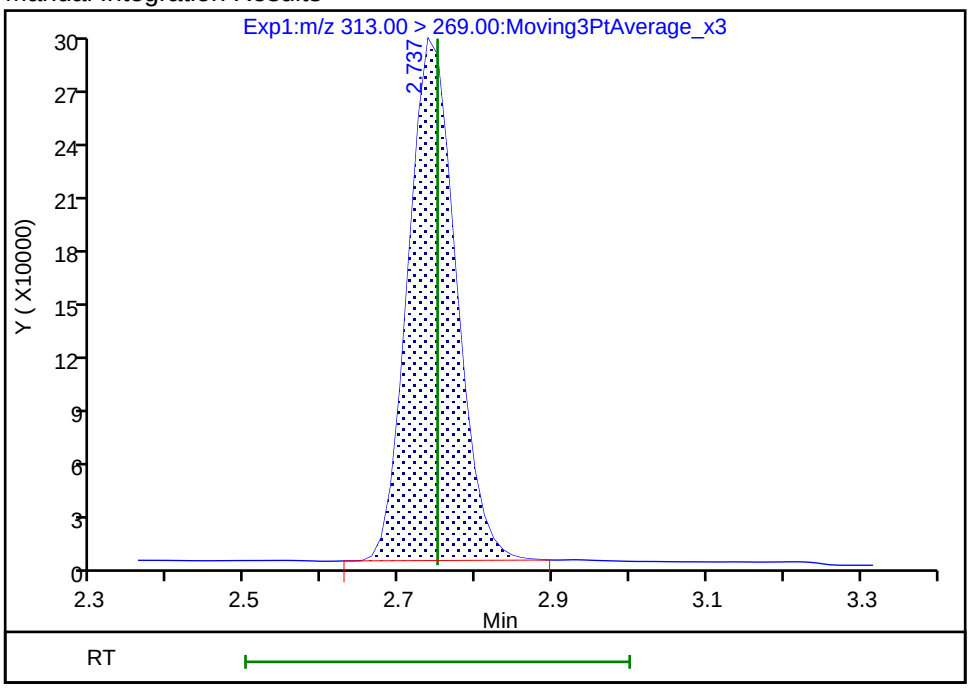
Processing Integration Results

RT: 2.74
Area: 1296261
Amount: 0.945655
Amount Units: ng/ml



Manual Integration Results

RT: 2.74
Area: 1281940
Amount: 0.935207
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:19:06
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

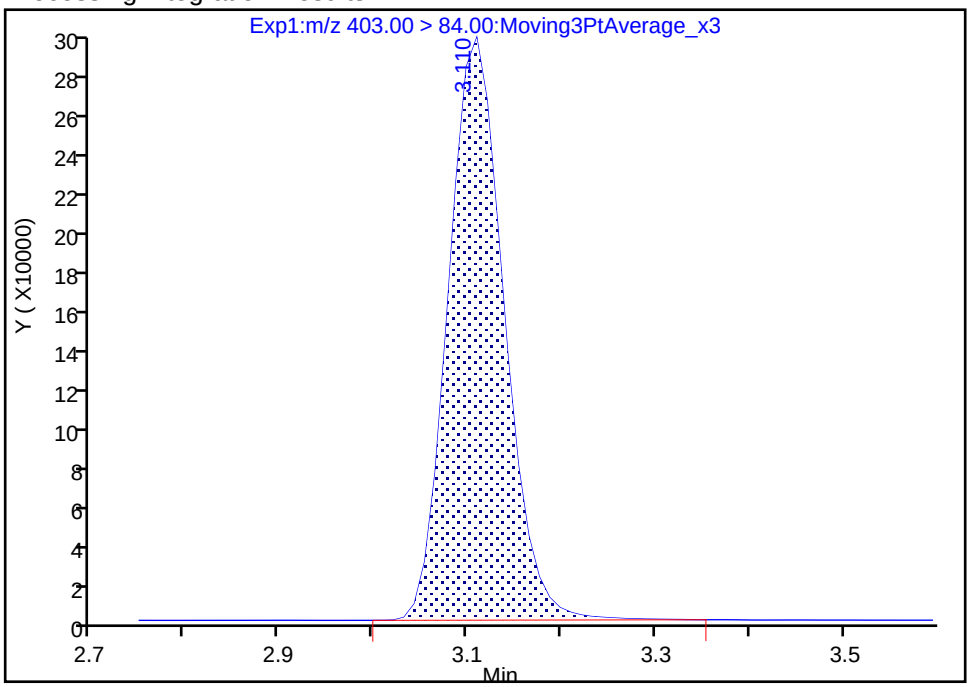
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 11 18O2 PFHxS, CAS: STL00994

Signal: 1

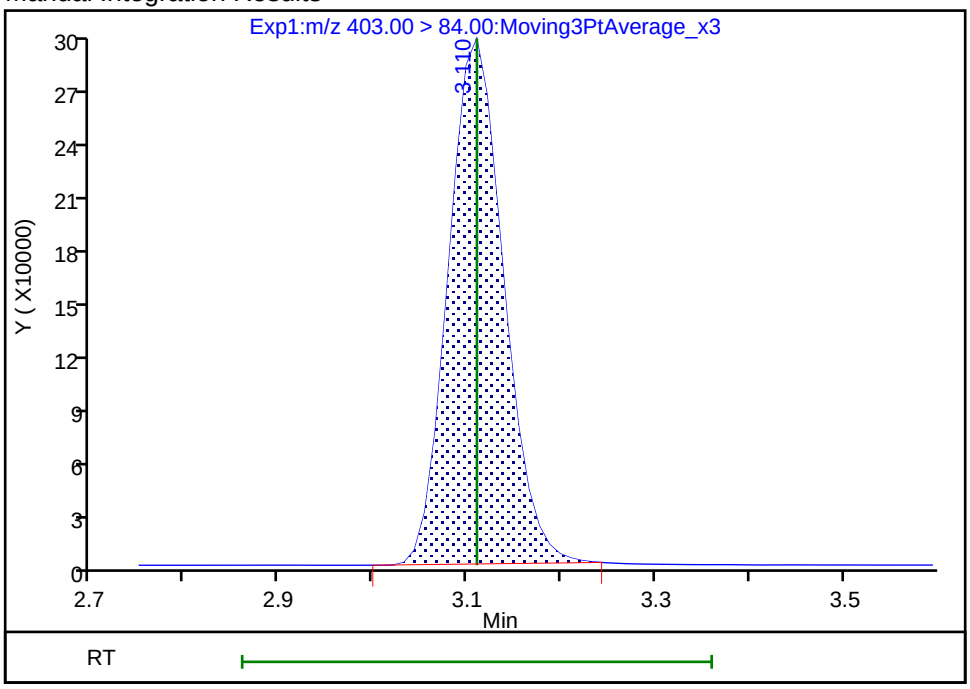
Processing Integration Results

RT: 3.11
Area: 1219533
Amount: 1.112171
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 1206776
Amount: 1.100537
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:29:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

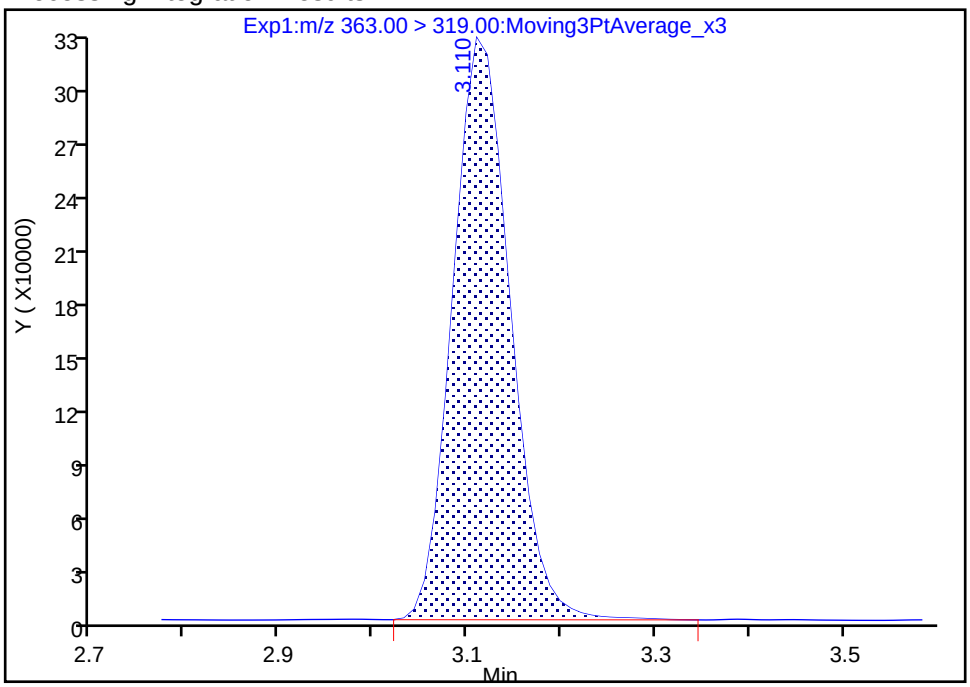
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

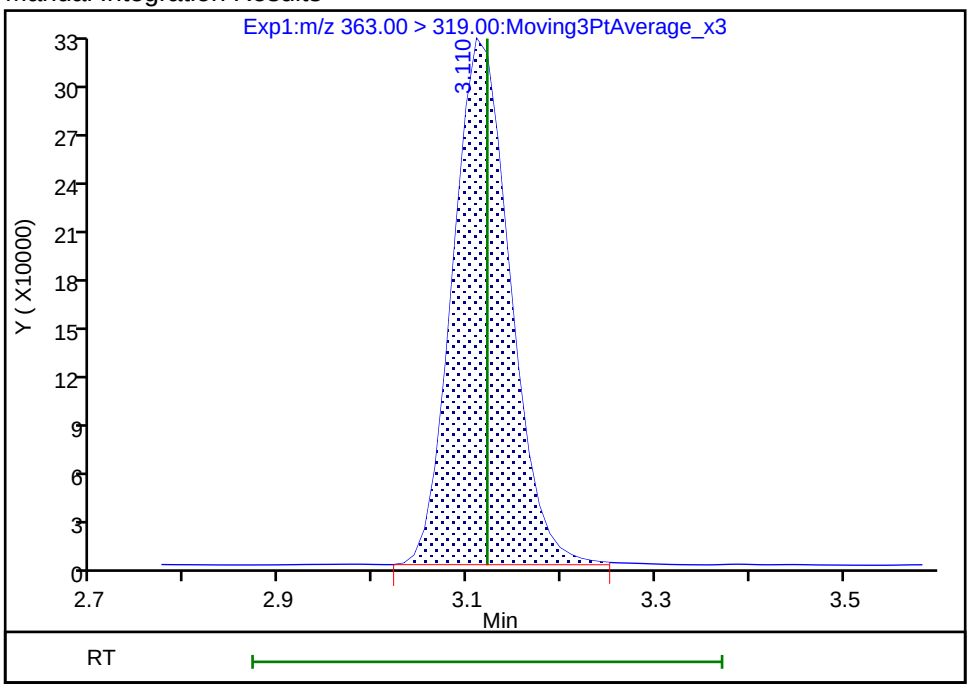
Processing Integration Results

RT: 3.11
Area: 1371267
Amount: 0.989528
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 1368021
Amount: 0.987186
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:19:32
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

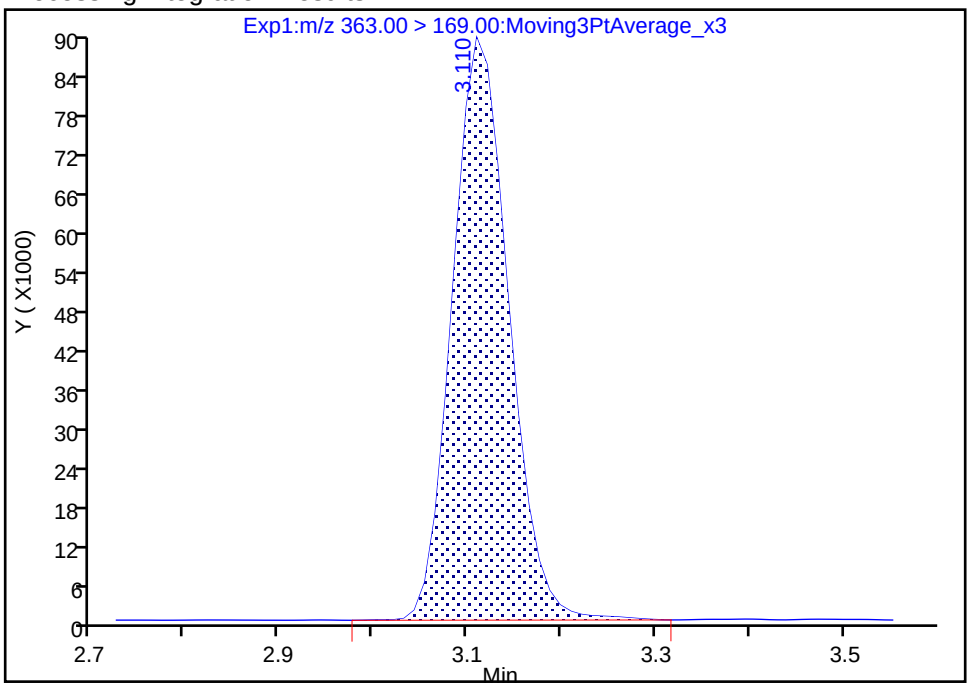
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

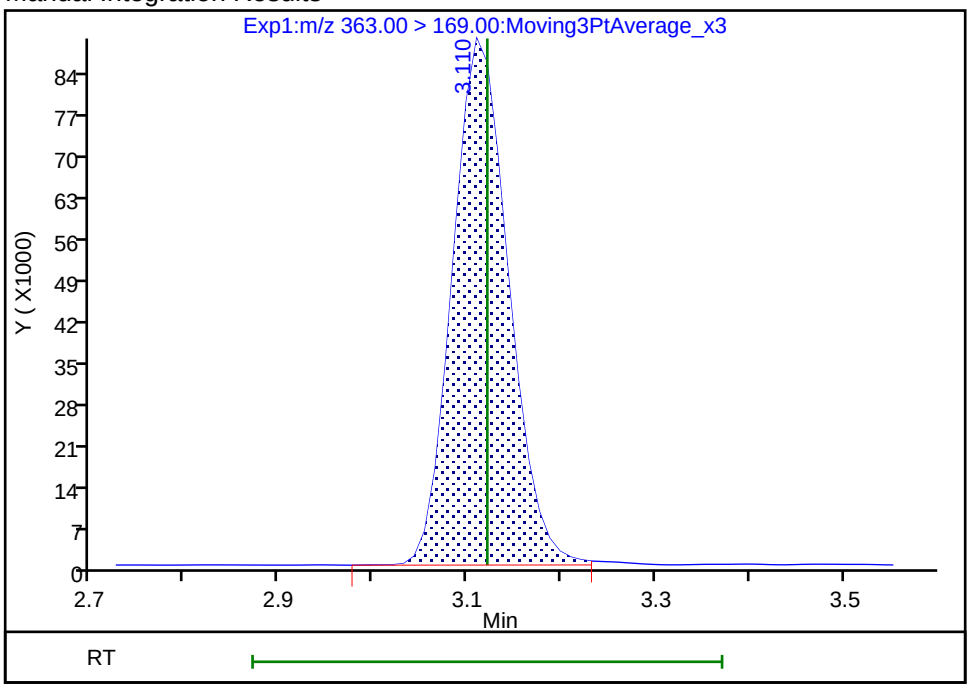
Processing Integration Results

RT: 3.11
Area: 372030
Amount: 0.989528
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 370463
Amount: 0.987186
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:19:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

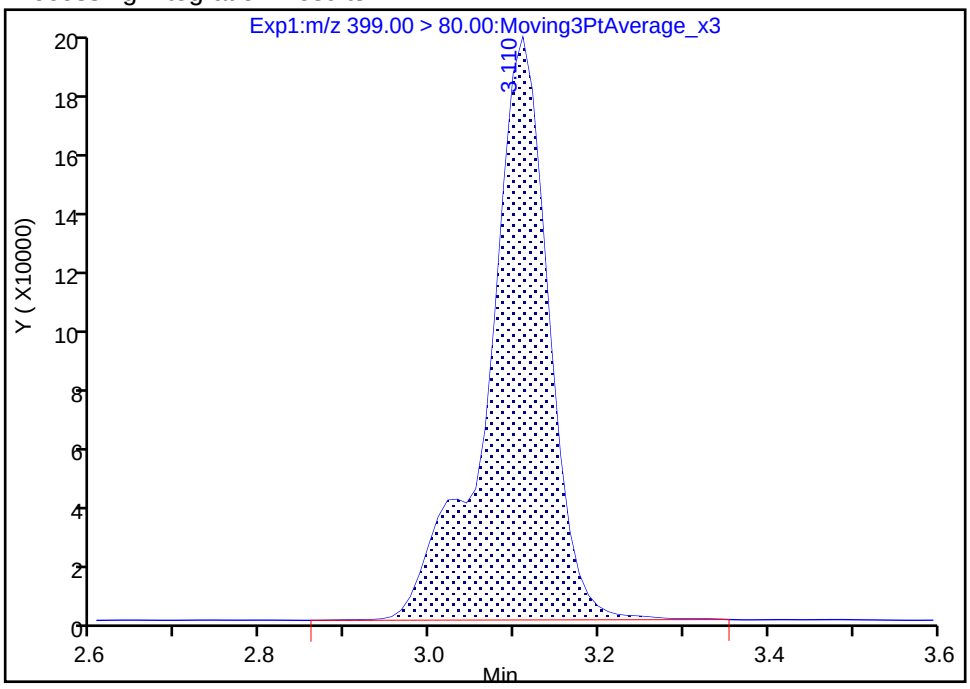
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

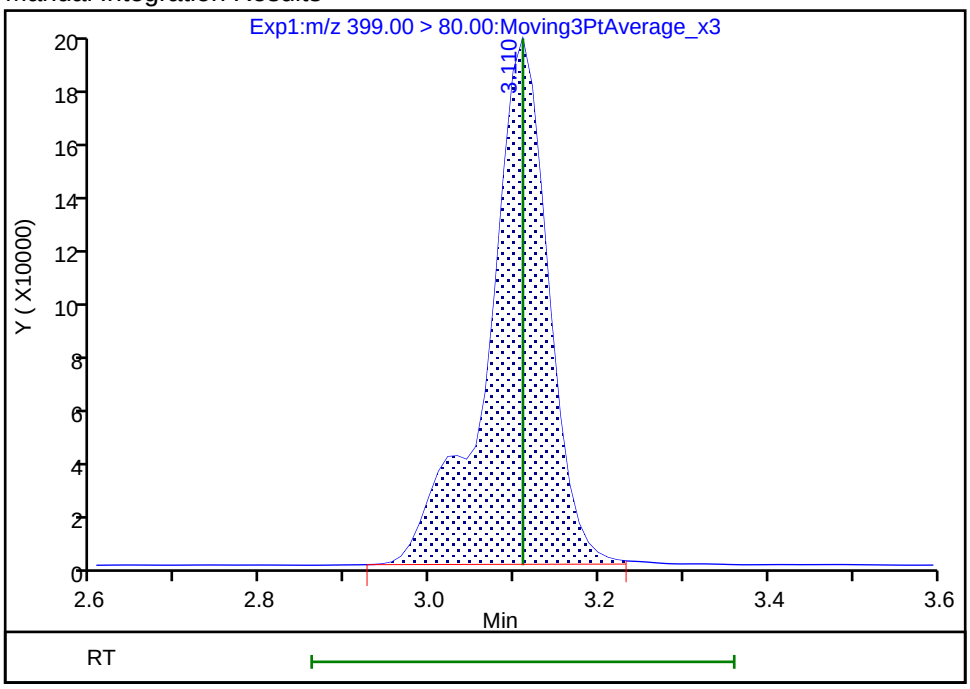
Processing Integration Results

RT: 3.11
Area: 969995
Amount: 0.852757
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 962400
Amount: 0.855024
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:19:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

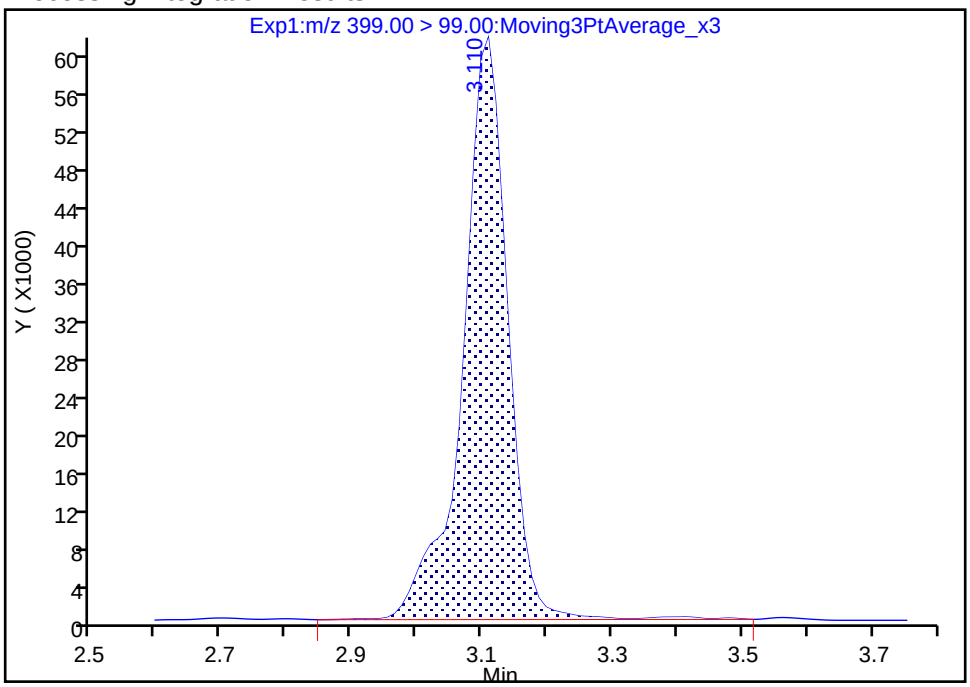
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

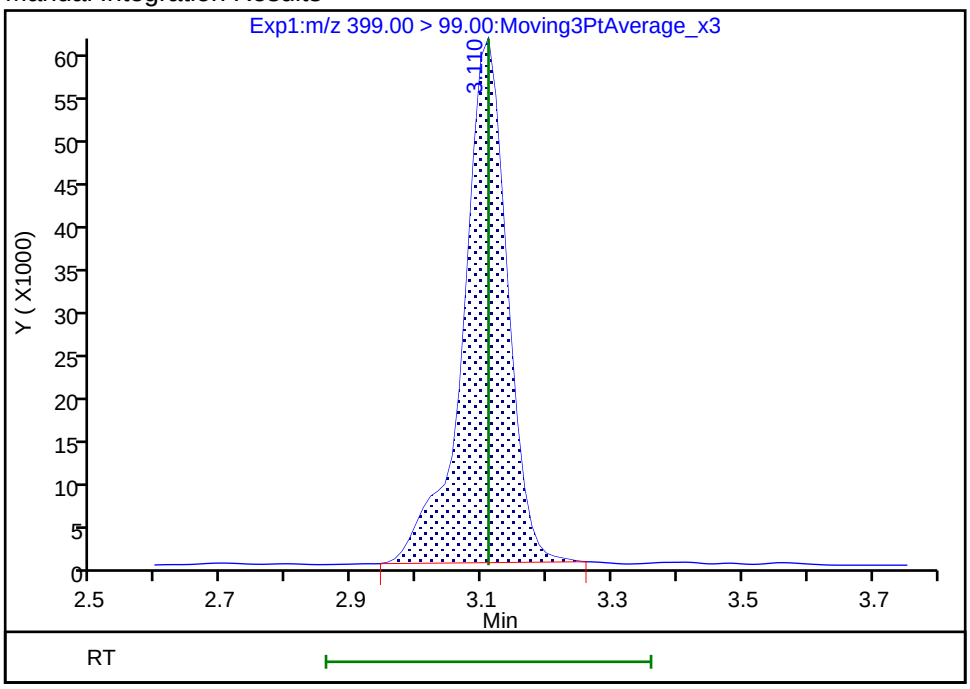
Processing Integration Results

RT: 3.11
Area: 295098
Amount: 0.852757
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 288331
Amount: 0.855024
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:19:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

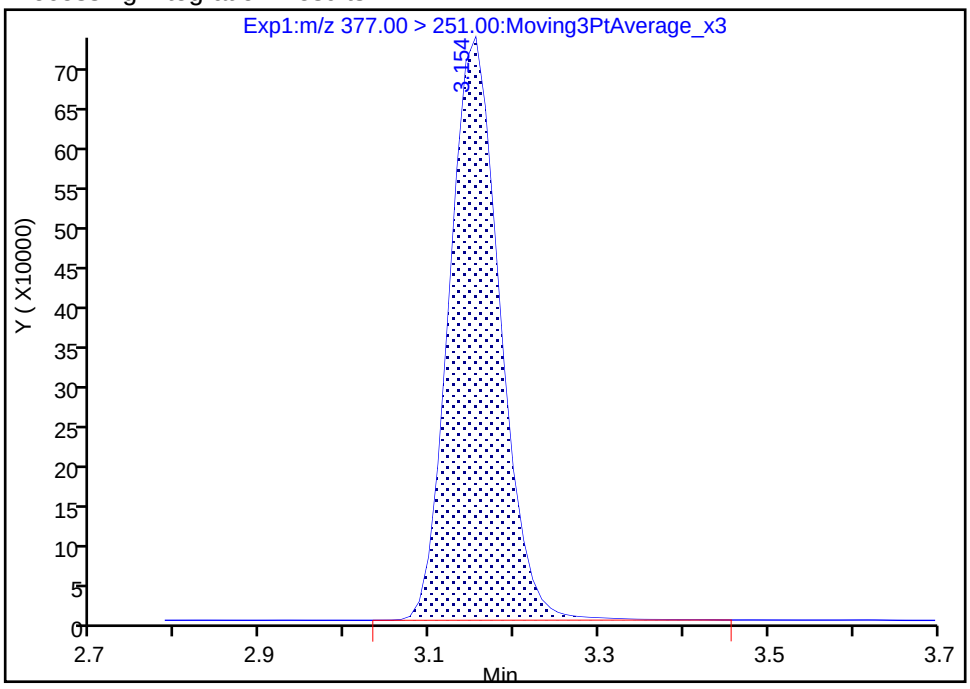
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

77 DONA, CAS: 919005-14-4

Signal: 1

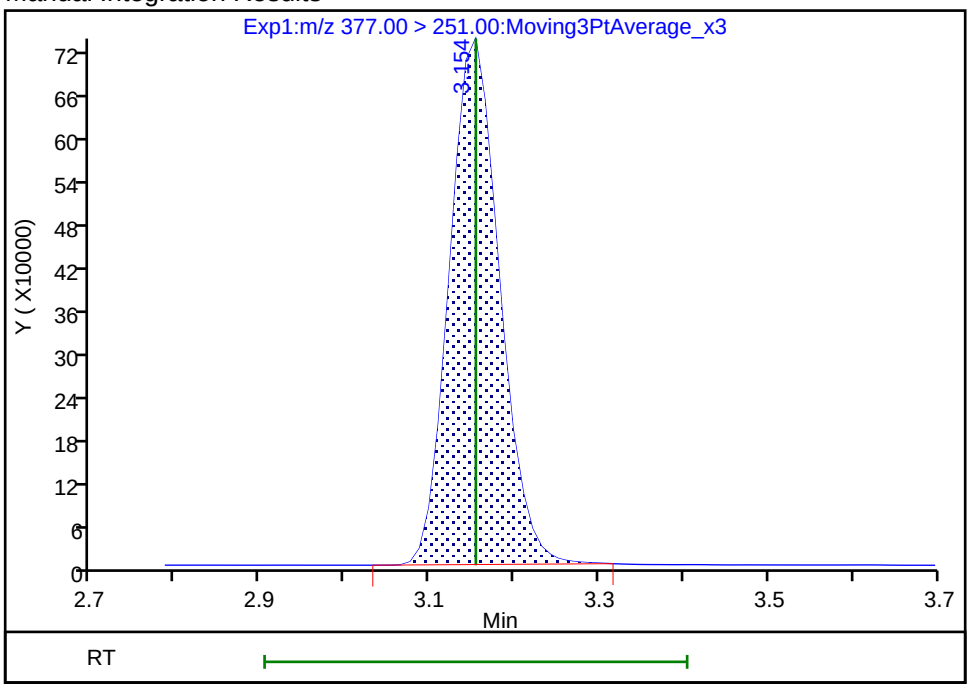
Processing Integration Results

RT: 3.15
Area: 3041320
Amount: 0.996589
Amount Units: ng/ml



Manual Integration Results

RT: 3.15
Area: 3020430
Amount: 0.997925
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:29:32
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

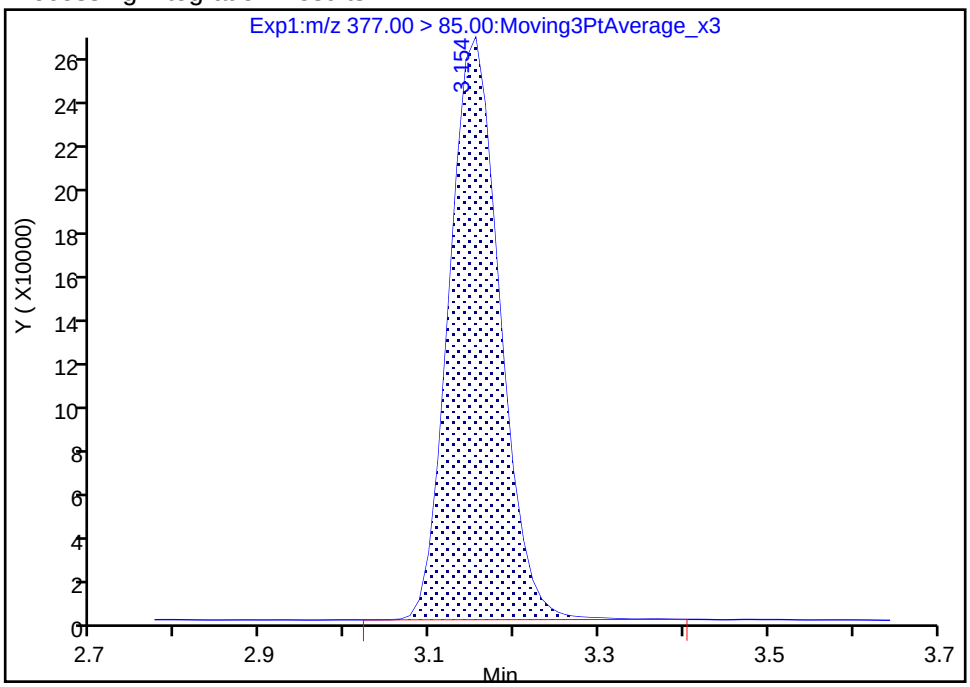
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Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

77 DONA, CAS: 919005-14-4

Signal: 2

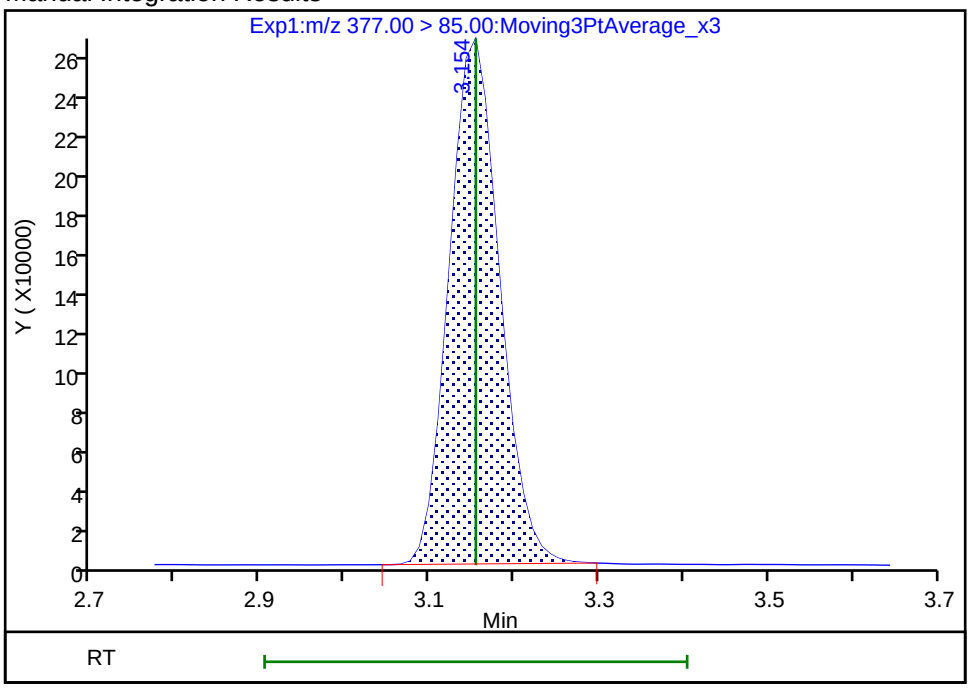
Processing Integration Results

RT: 3.15
Area: 1081913
Amount: 0.996589
Amount Units: ng/ml



Manual Integration Results

RT: 3.15
Area: 1074600
Amount: 0.997925
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:29:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

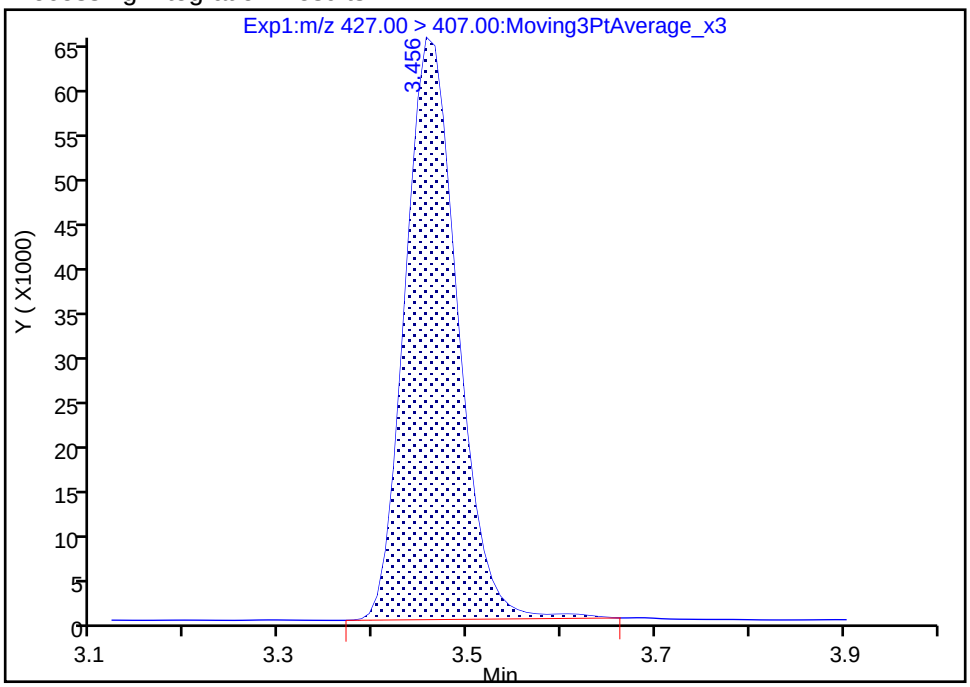
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

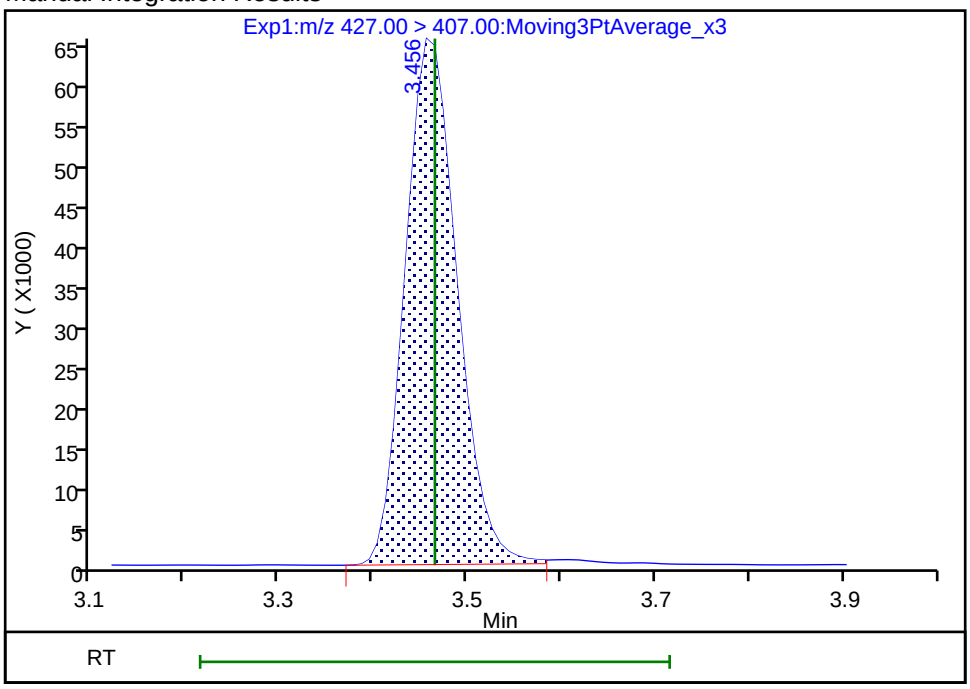
Processing Integration Results

RT: 3.46
Area: 254153
Amount: 1.021045
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 252754
Amount: 1.015332
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:19:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

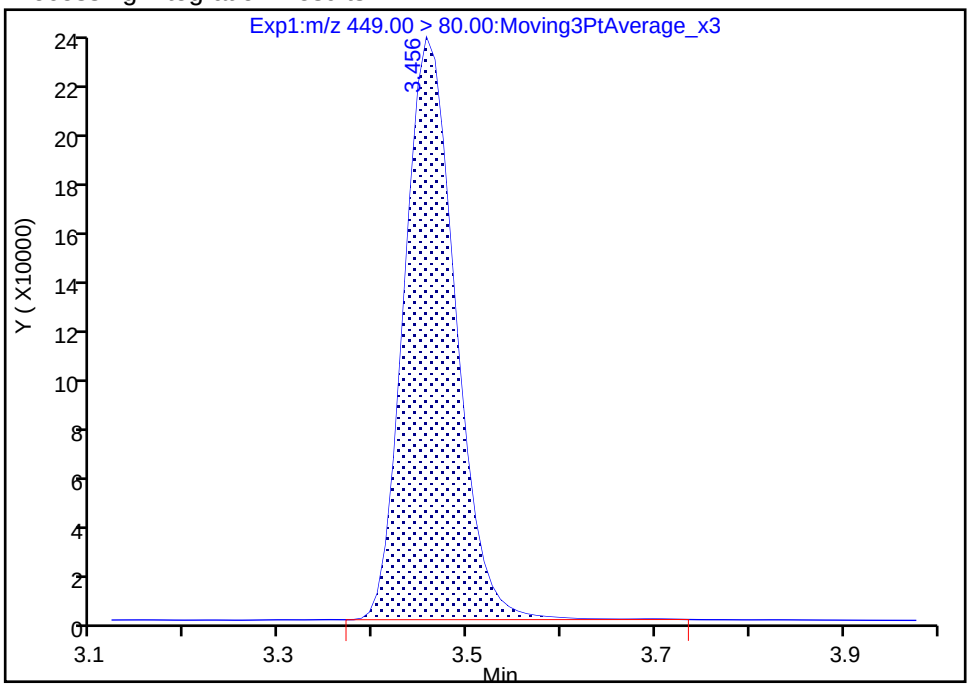
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

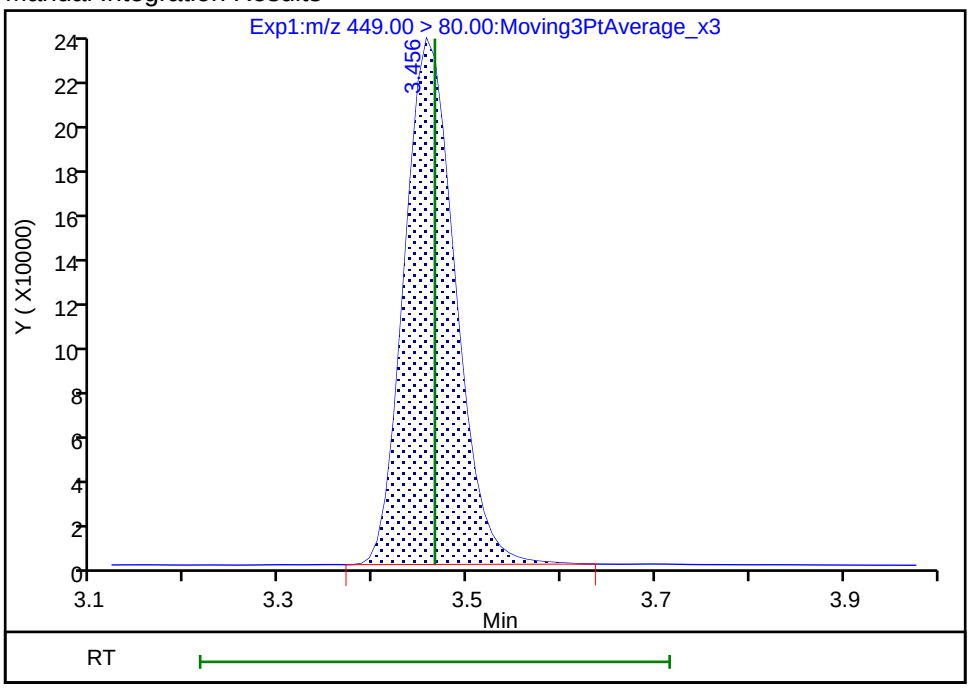
Processing Integration Results

RT: 3.46
Area: 881701
Amount: 0.962764
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 879203
Amount: 0.967972
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:20:05
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

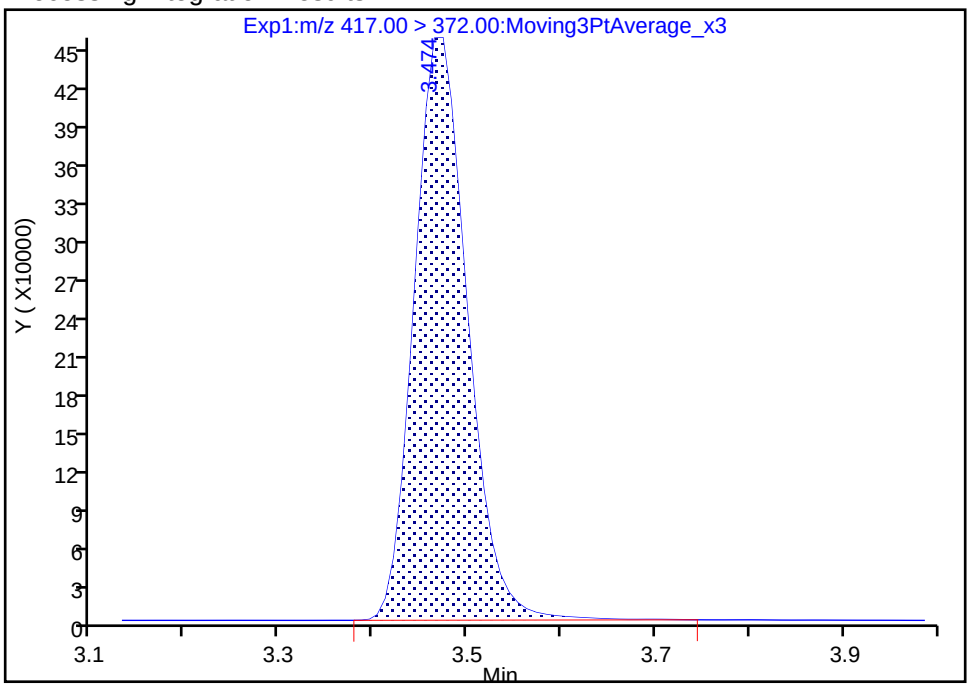
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

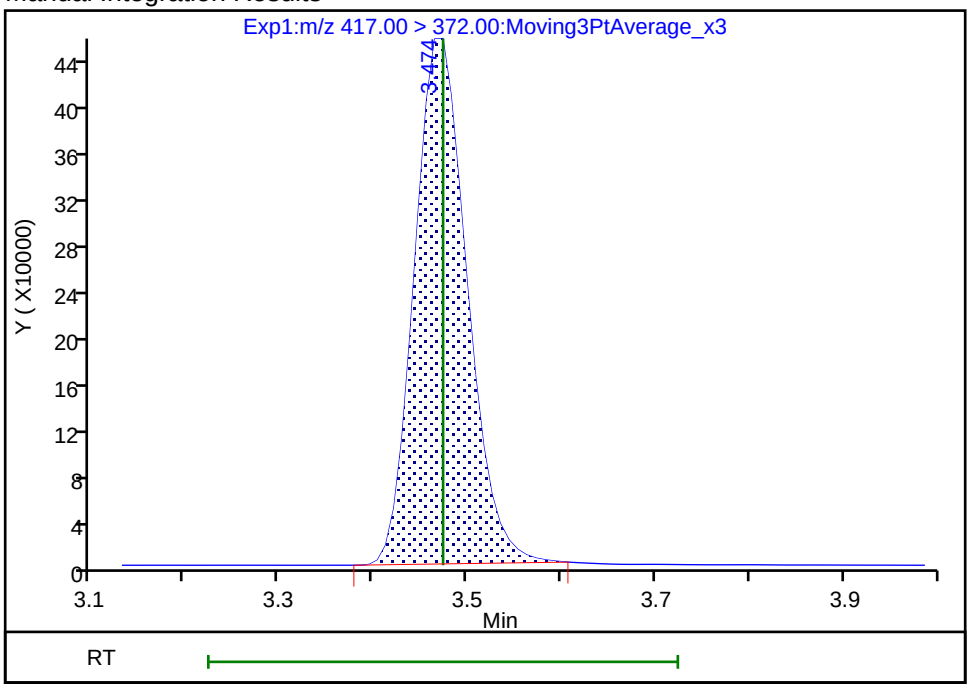
Processing Integration Results

RT: 3.47
Area: 1778179
Amount: 1.243646
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 1755915
Amount: 1.228075
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:29:44
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

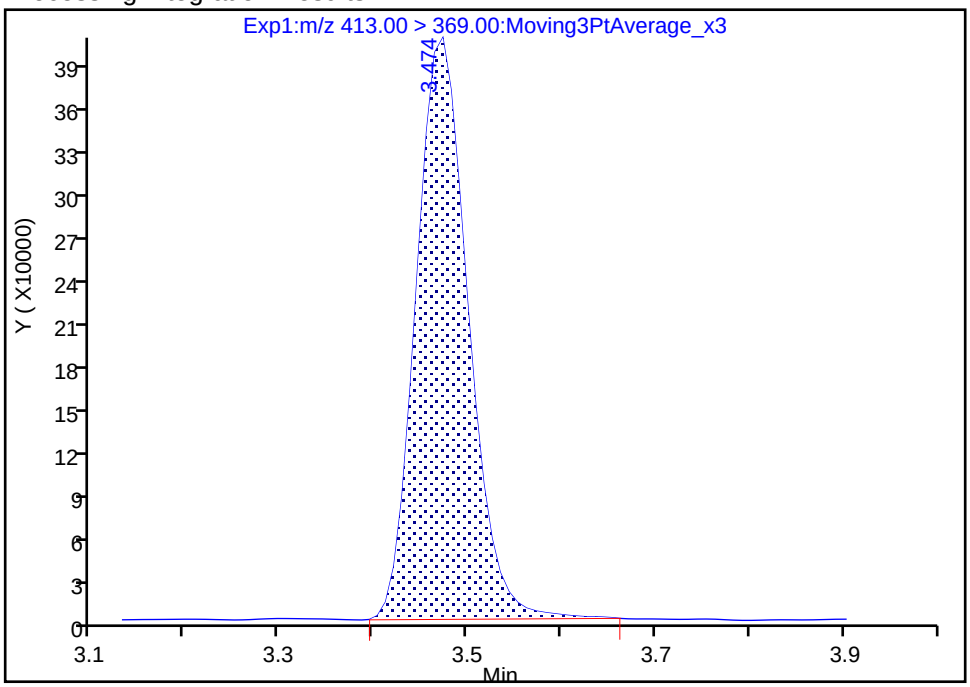
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

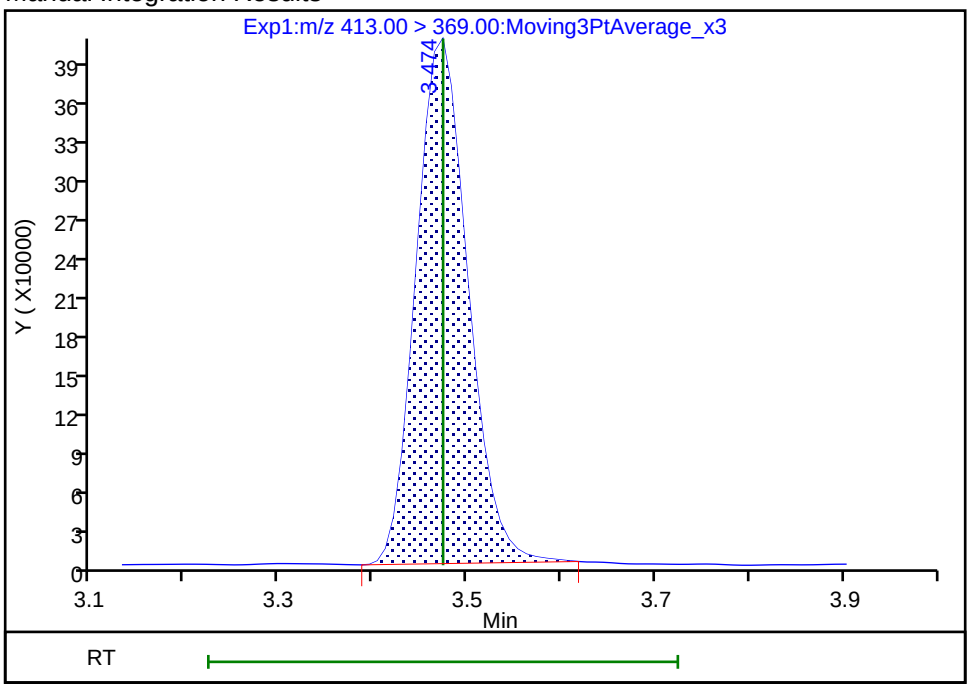
Processing Integration Results

RT: 3.47
Area: 1542958
Amount: 0.967228
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 1529665
Amount: 0.971053
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:20:17
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

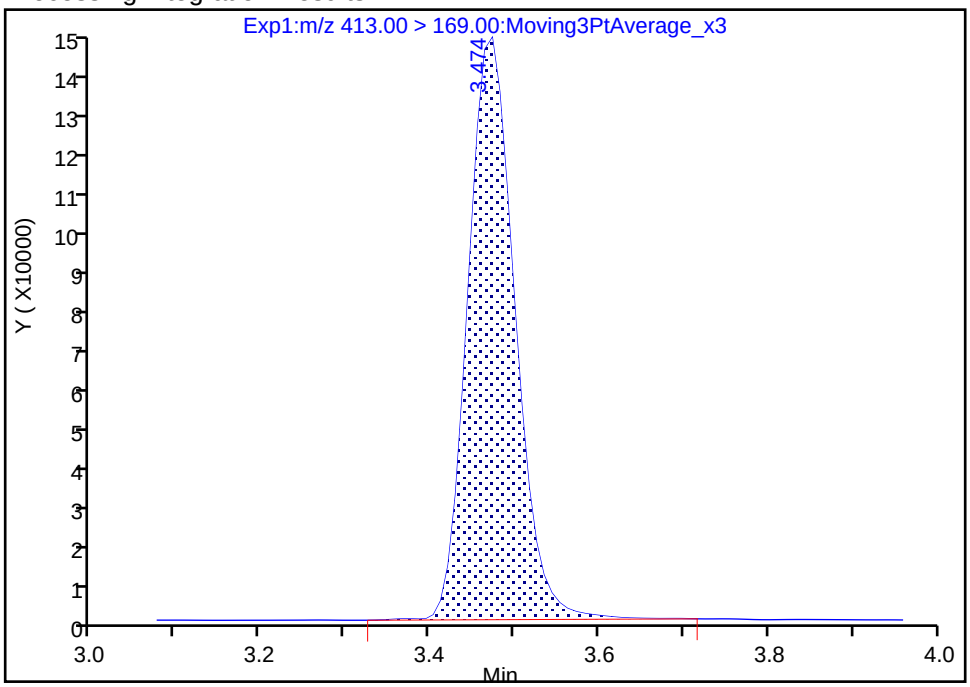
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

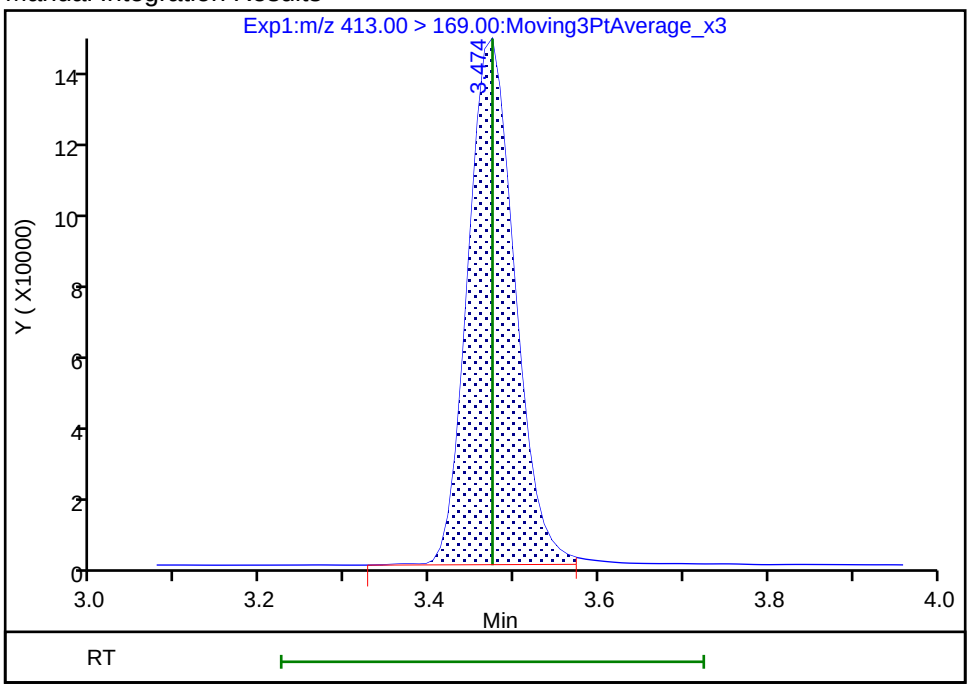
Processing Integration Results

RT: 3.47
Area: 576808
Amount: 0.967228
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 572724
Amount: 0.971053
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:20:38
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

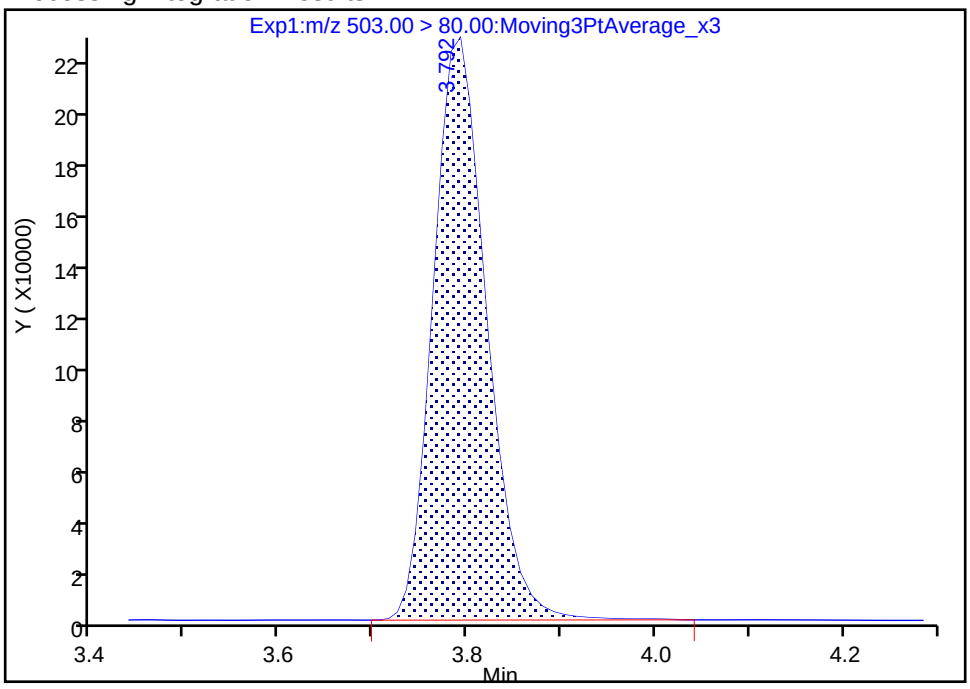
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d				
Injection Date:	04-Aug-2022 18:31:19	Instrument ID:	LC812		
Lims ID:	CCV L4				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 18 13C4 PFOS, CAS: STL00991

Signal: 1

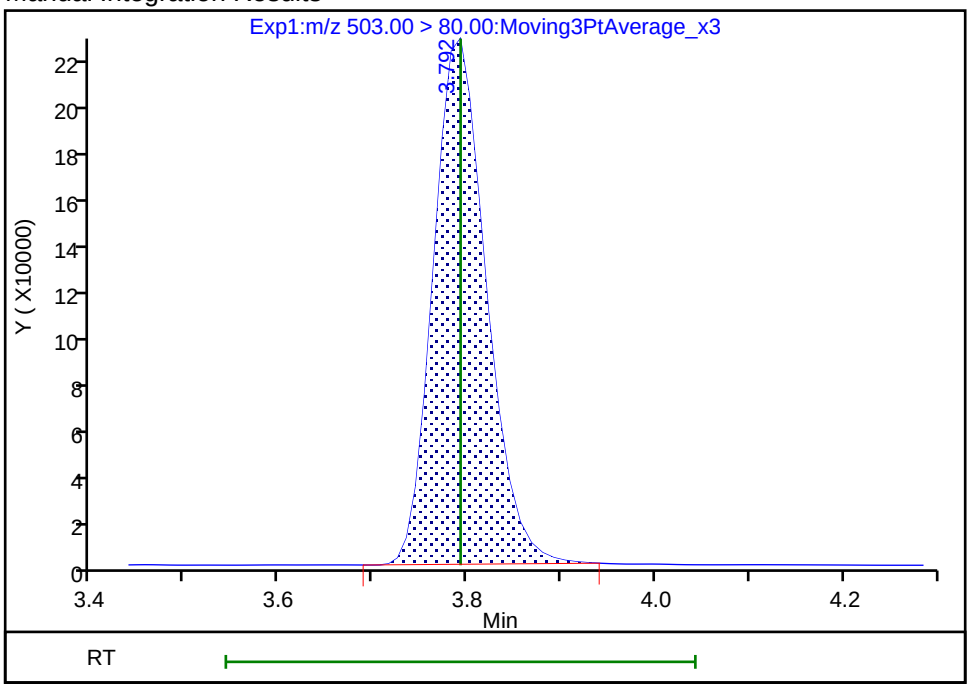
Processing Integration Results

RT: 3.79
Area: 885415
Amount: 1.081389
Amount Units: ng/ml



Manual Integration Results

RT: 3.79
Area: 878156
Amount: 1.072523
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:29:56

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

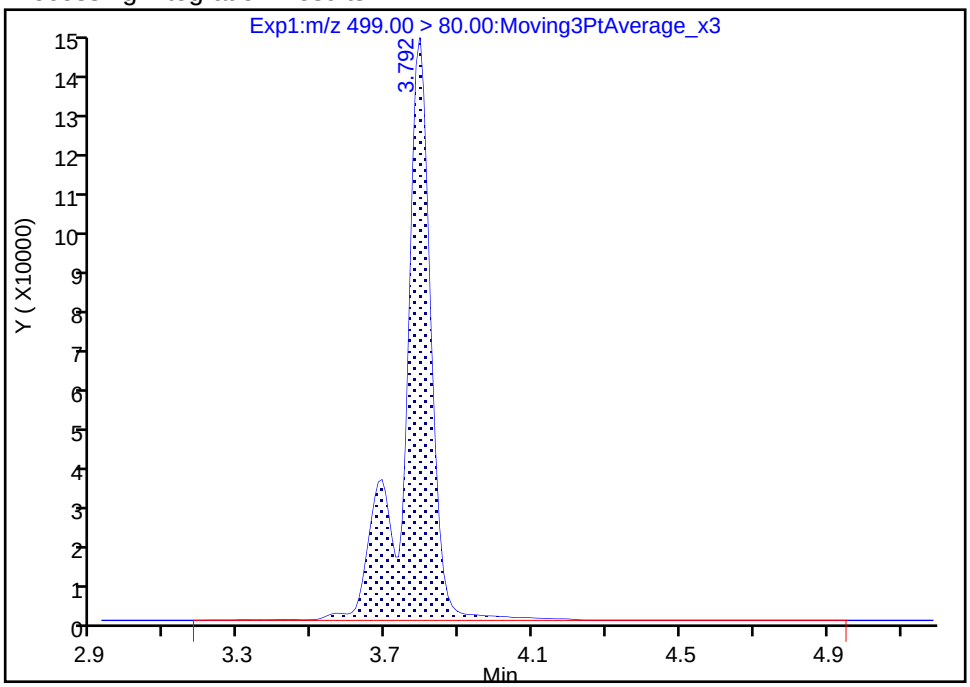
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

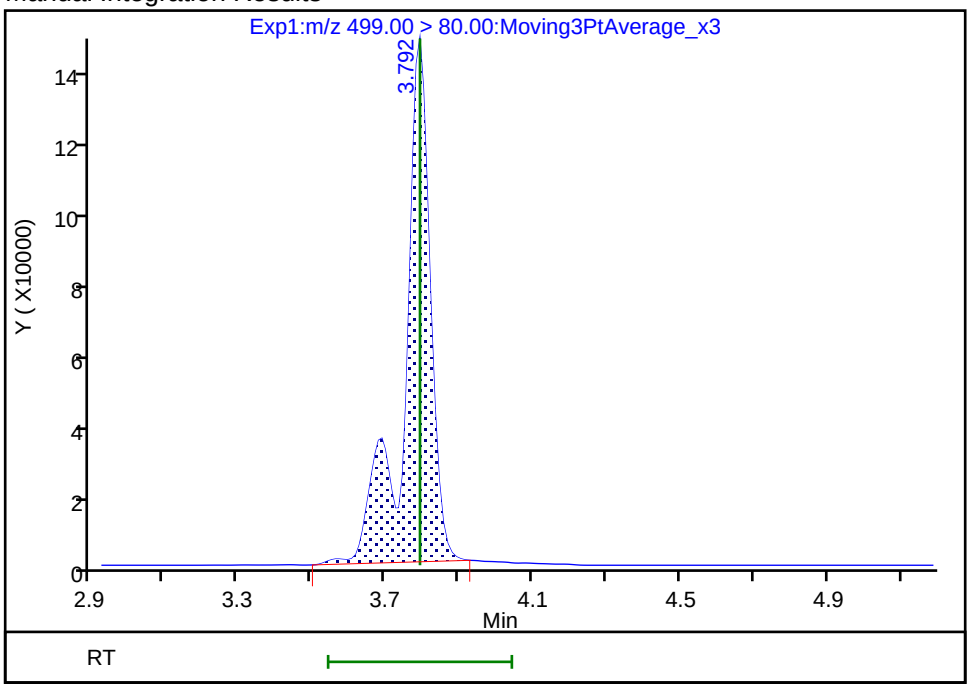
Processing Integration Results

RT: 3.79
Area: 739605
Amount: 0.984805
Amount Units: ng/ml



Manual Integration Results

RT: 3.79
Area: 708228
Amount: 0.950184
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:20:48
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

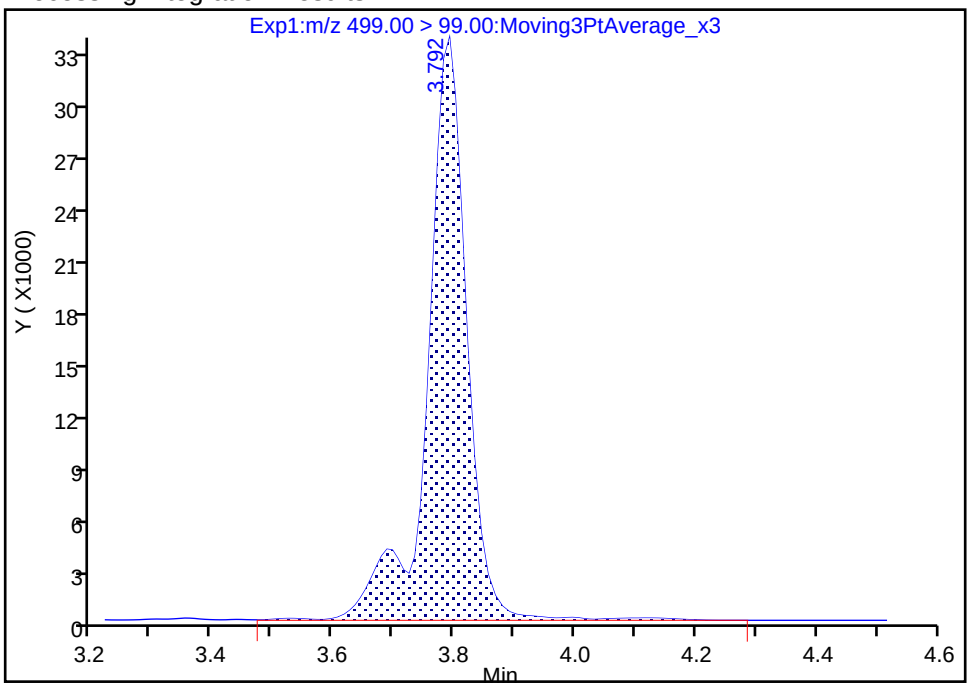
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

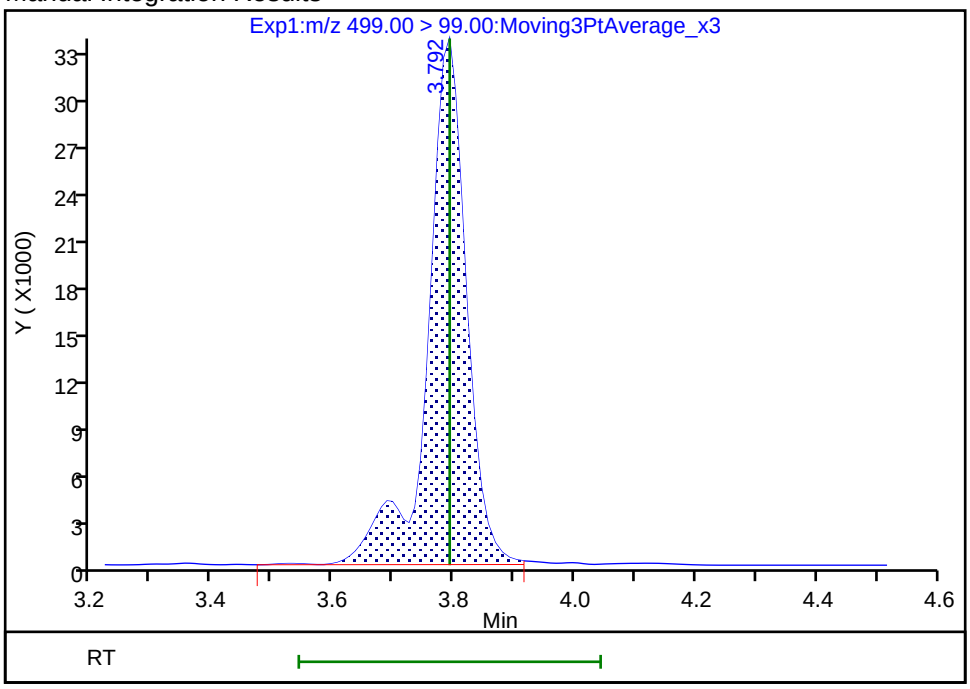
Processing Integration Results

RT: 3.79
Area: 154289
Amount: 0.984805
Amount Units: ng/ml



Manual Integration Results

RT: 3.79
Area: 151301
Amount: 0.950184
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:21:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

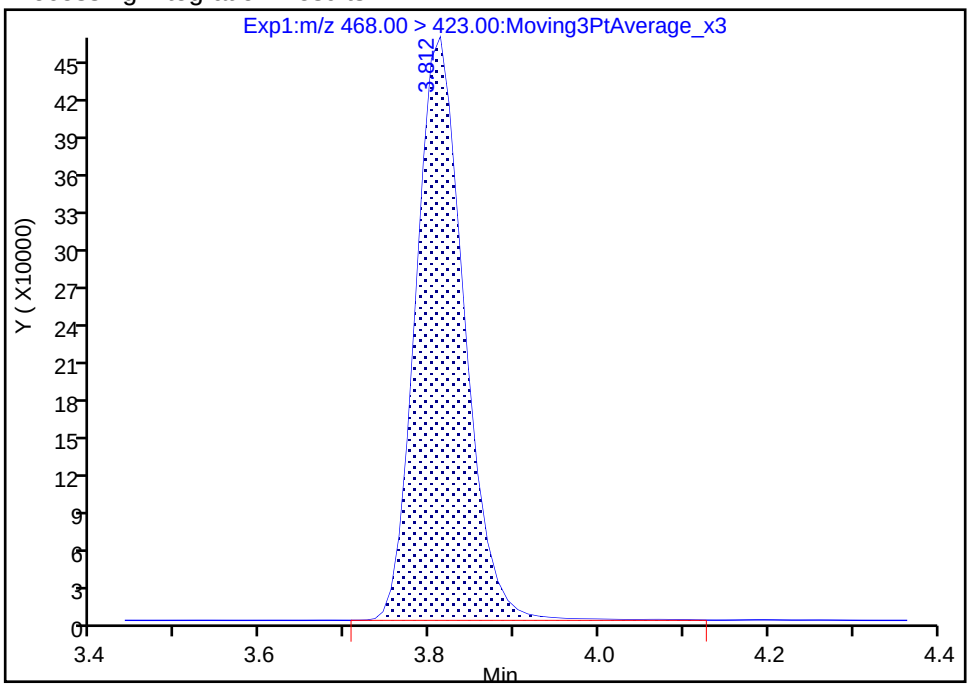
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

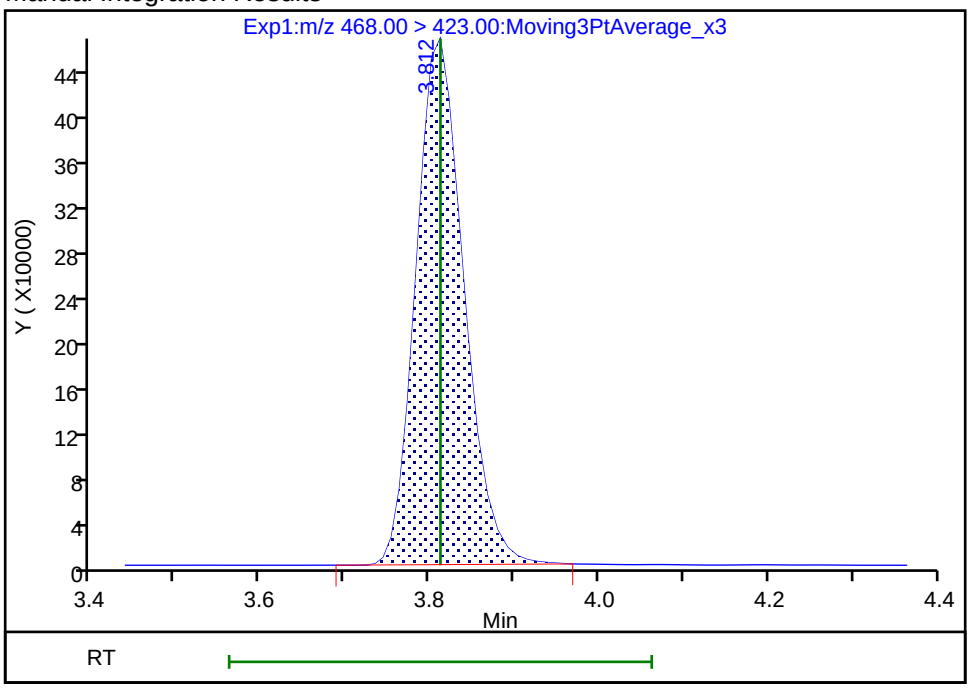
Processing Integration Results

RT: 3.81
Area: 1828561
Amount: 1.231853
Amount Units: ng/ml



Manual Integration Results

RT: 3.81
Area: 1812815
Amount: 1.221245
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:30:06
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

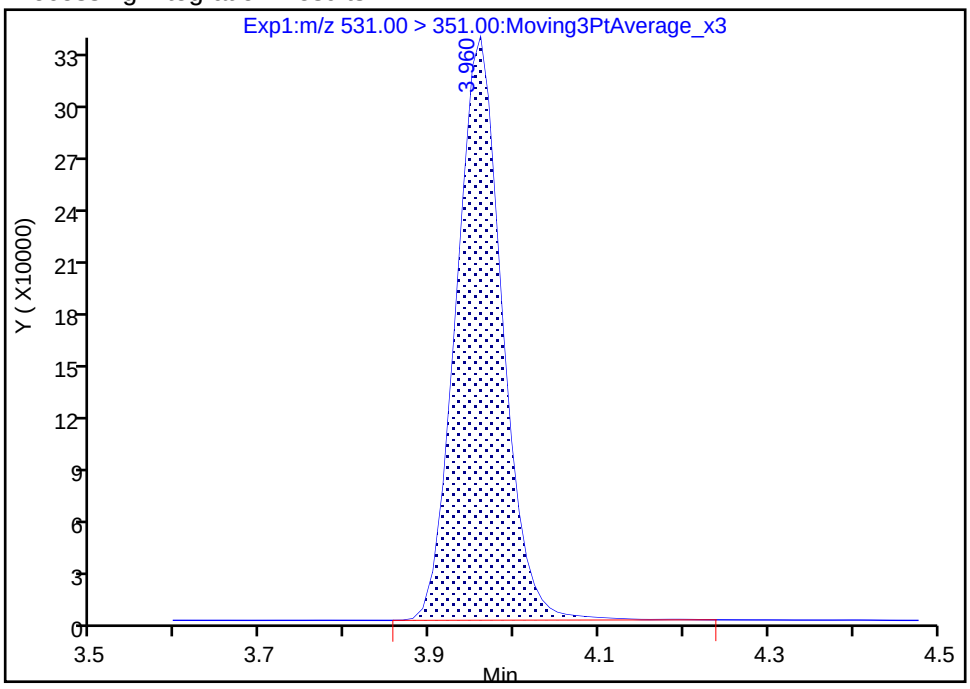
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

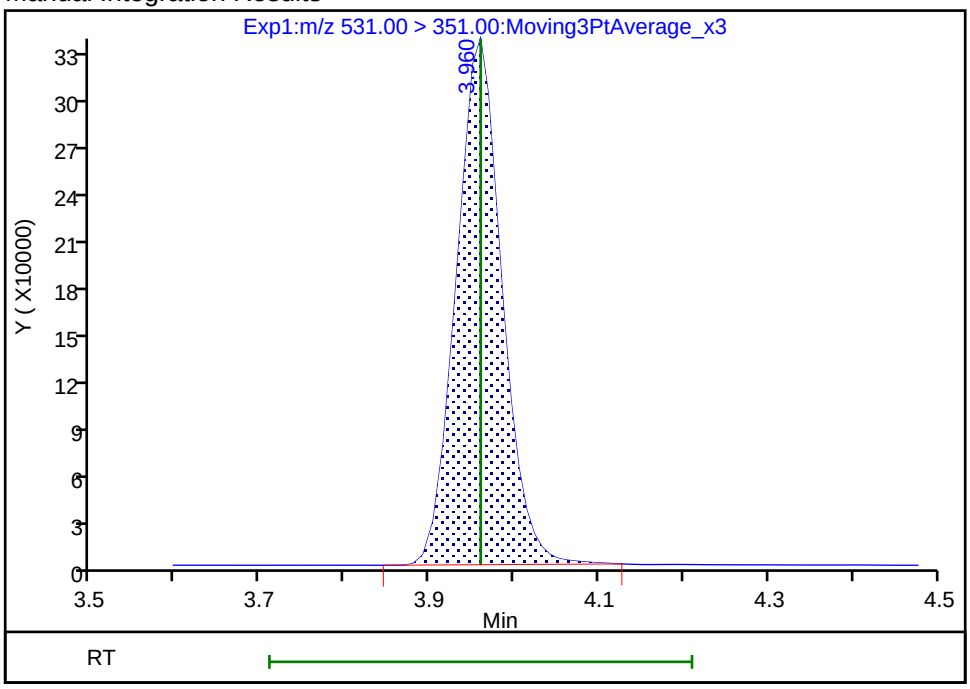
Processing Integration Results

RT: 3.96
Area: 1254603
Amount: 0.966472
Amount Units: ng/ml



Manual Integration Results

RT: 3.96
Area: 1248035
Amount: 0.961412
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:30:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

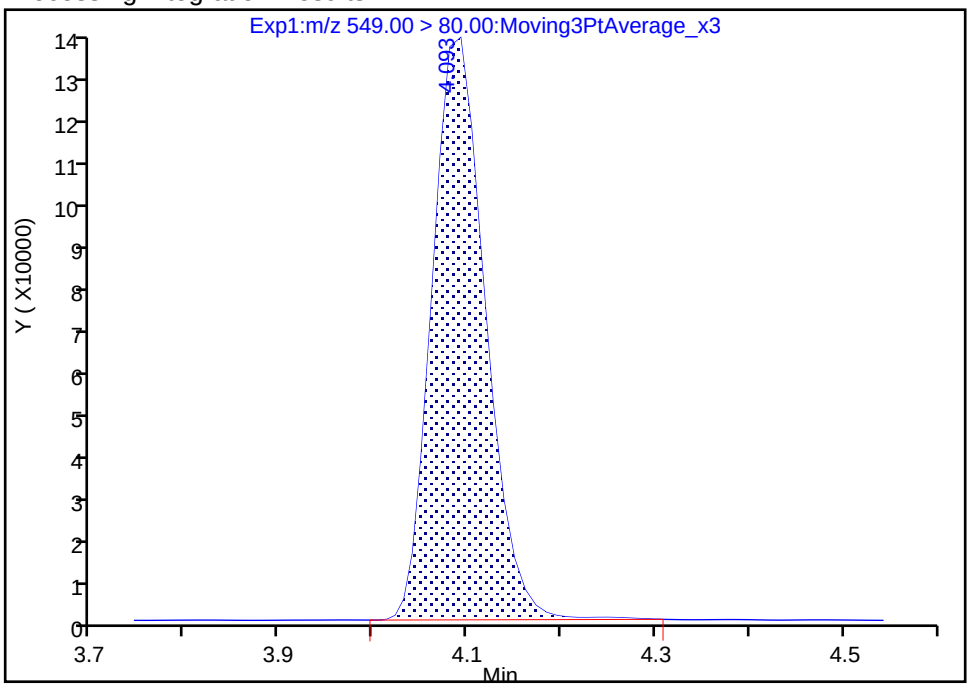
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

68 Perfluorononanesulfonic acid, CAS: 68259-12-1

Signal: 1

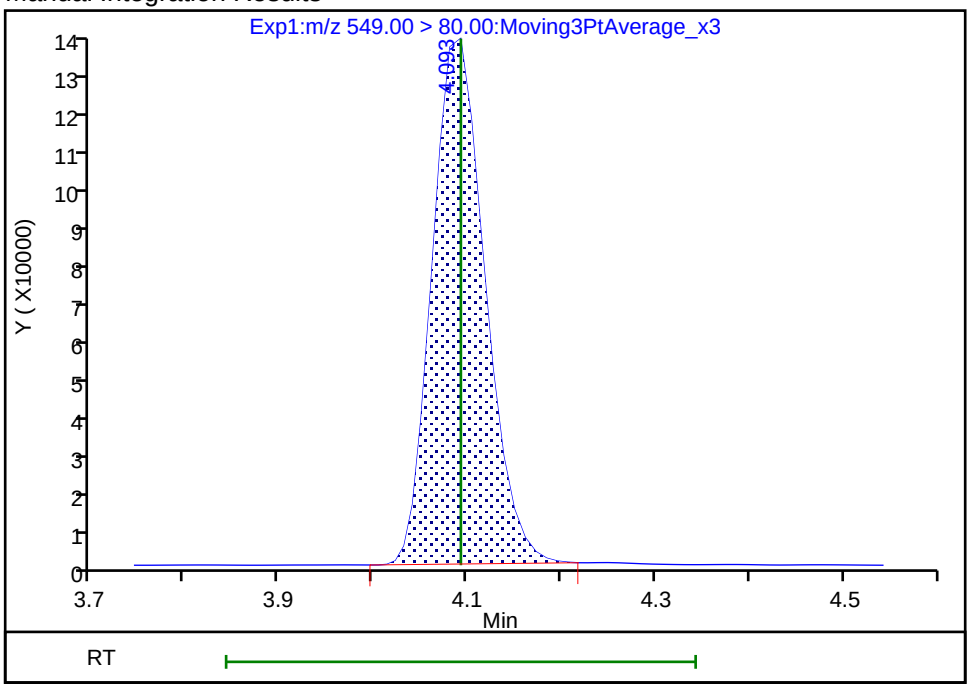
Processing Integration Results

RT: 4.09
Area: 542258
Amount: 0.942442
Amount Units: ng/ml



Manual Integration Results

RT: 4.09
Area: 537417
Amount: 0.934028
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:30:17
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

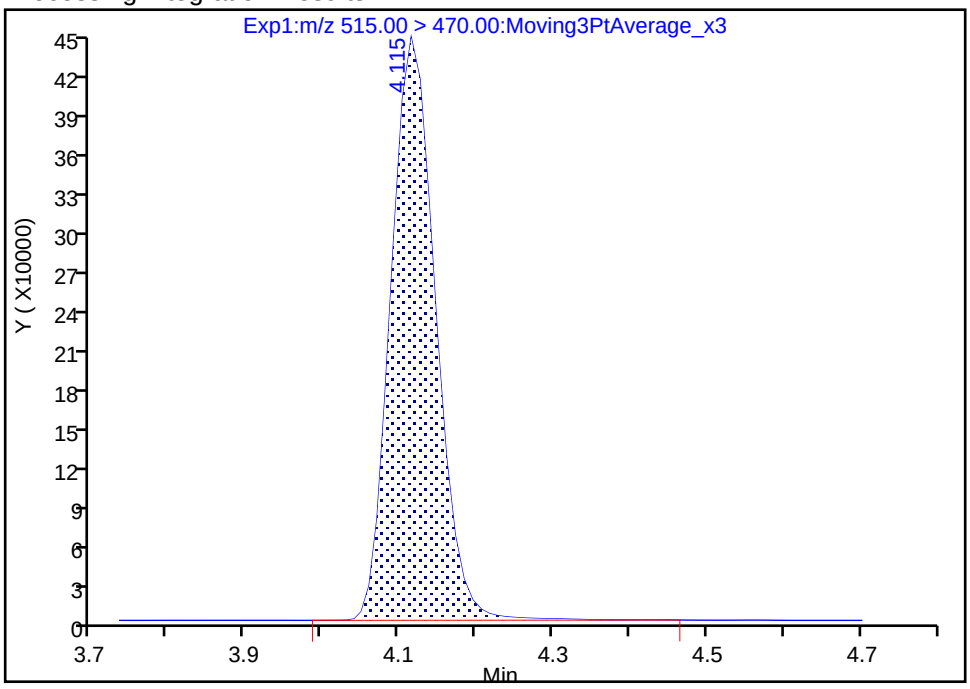
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

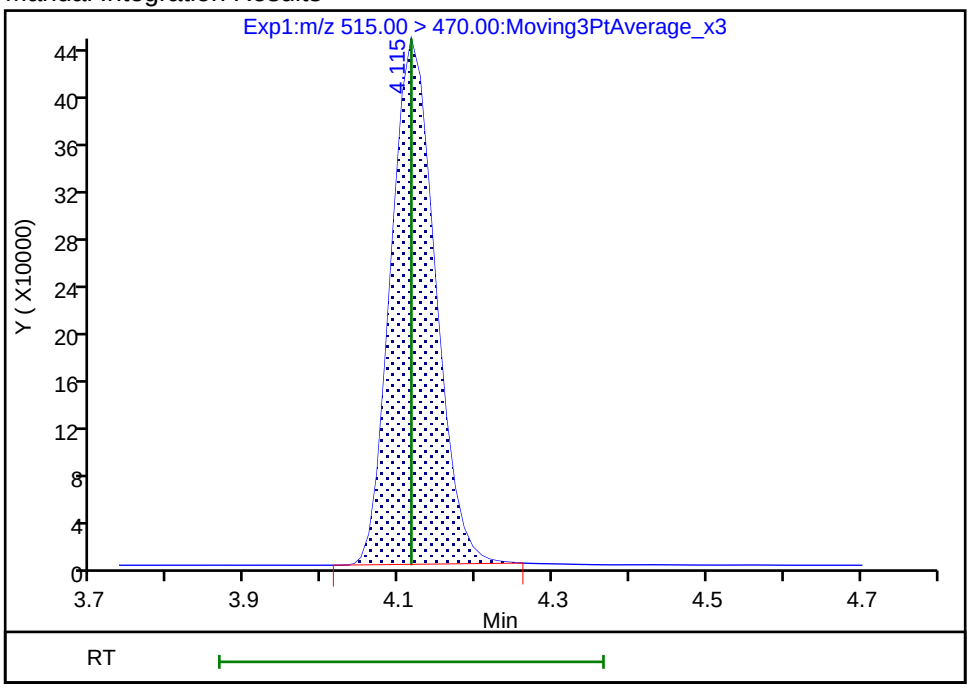
Processing Integration Results

RT: 4.12
Area: 1775489
Amount: 1.228994
Amount Units: ng/ml



Manual Integration Results

RT: 4.12
Area: 1756948
Amount: 1.216160
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:30:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

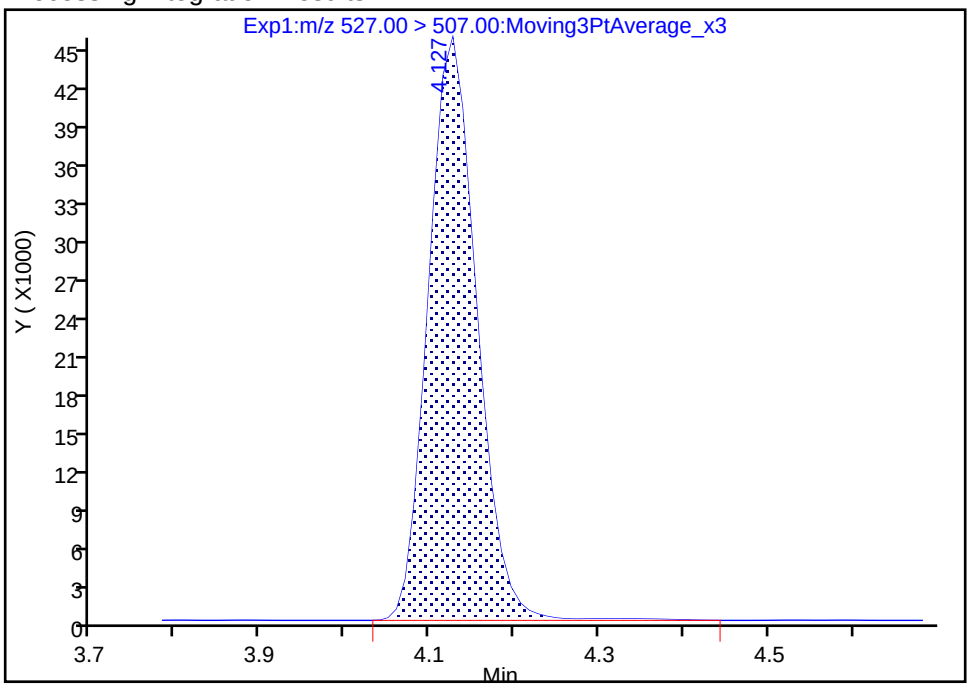
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Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

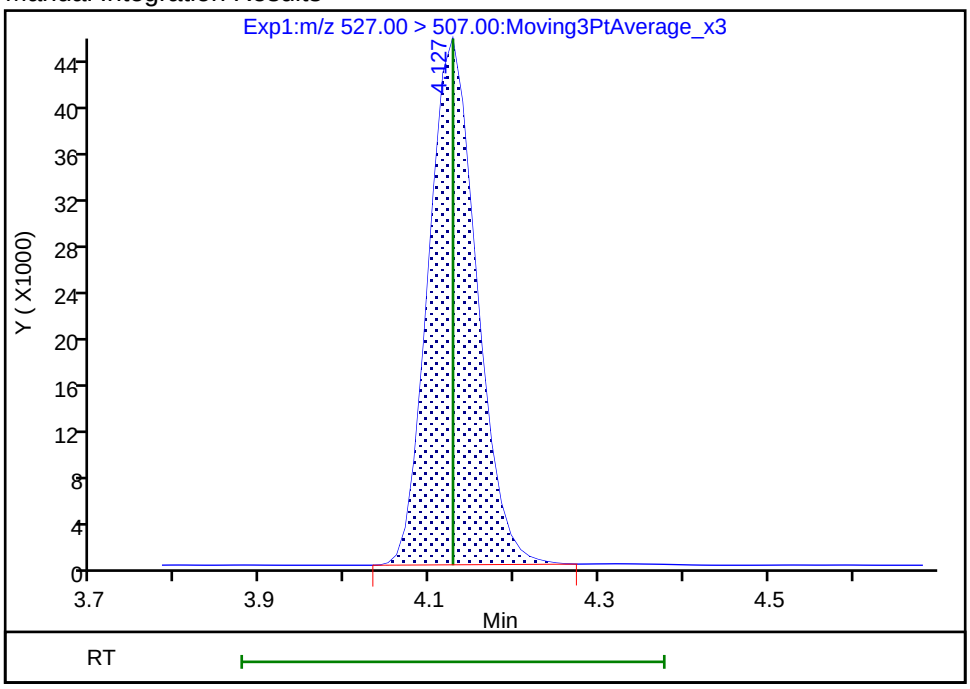
Processing Integration Results

RT: 4.13
Area: 181774
Amount: 0.938195
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 180259
Amount: 0.930375
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:21:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

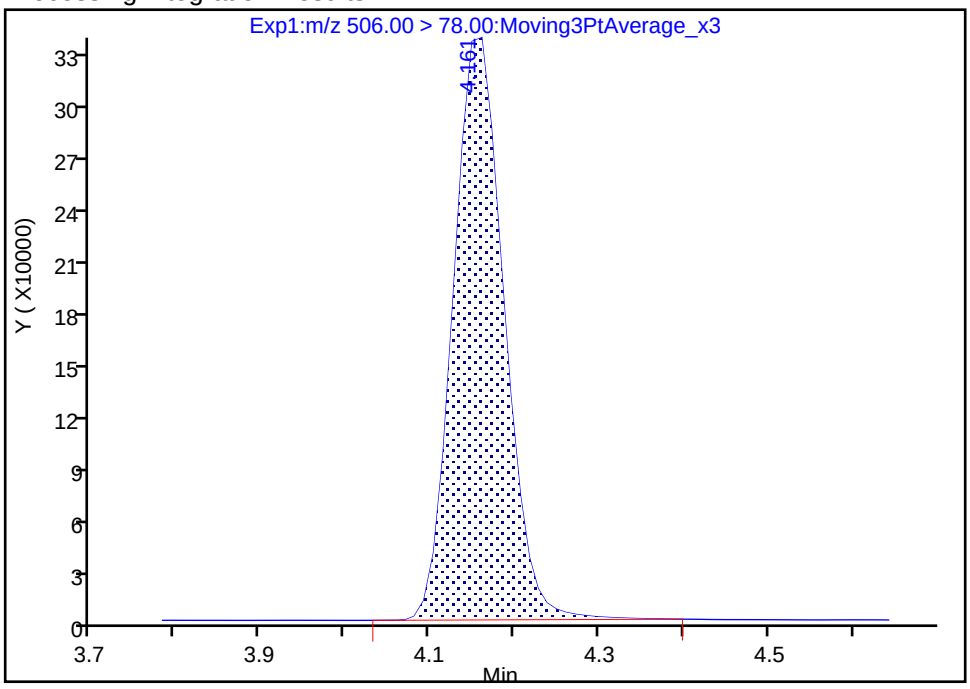
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Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

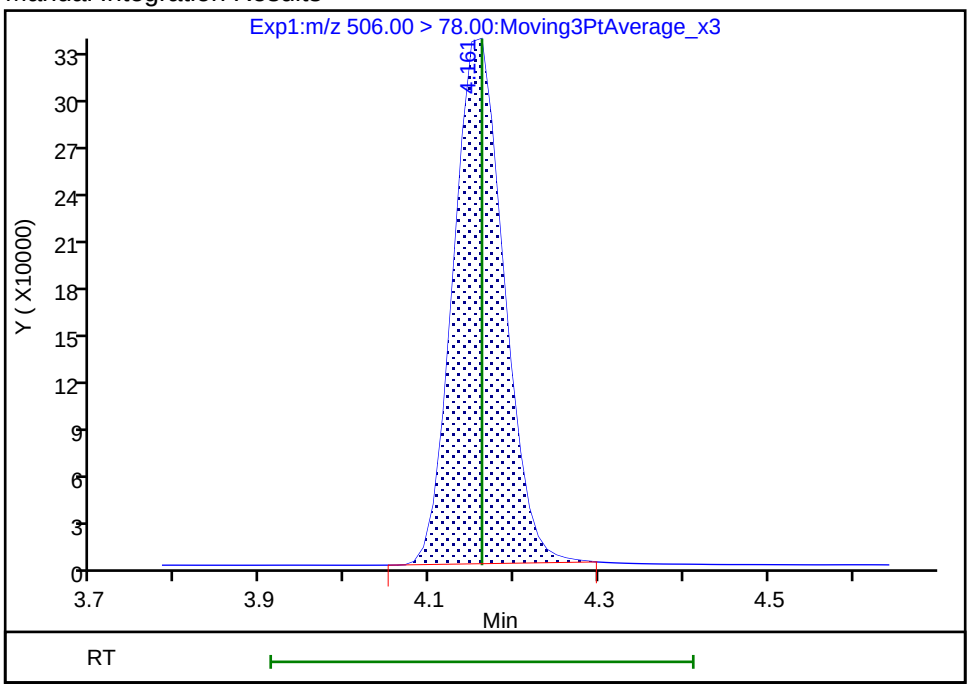
Processing Integration Results

RT: 4.16
Area: 1388757
Amount: 1.098345
Amount Units: ng/ml



Manual Integration Results

RT: 4.16
Area: 1373482
Amount: 1.086264
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:30:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

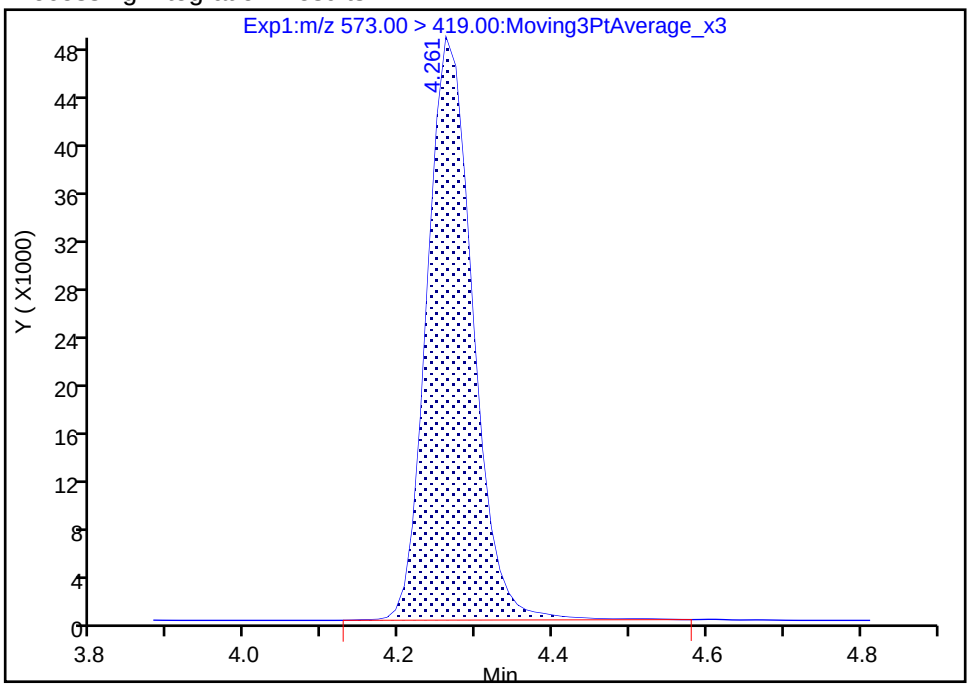
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

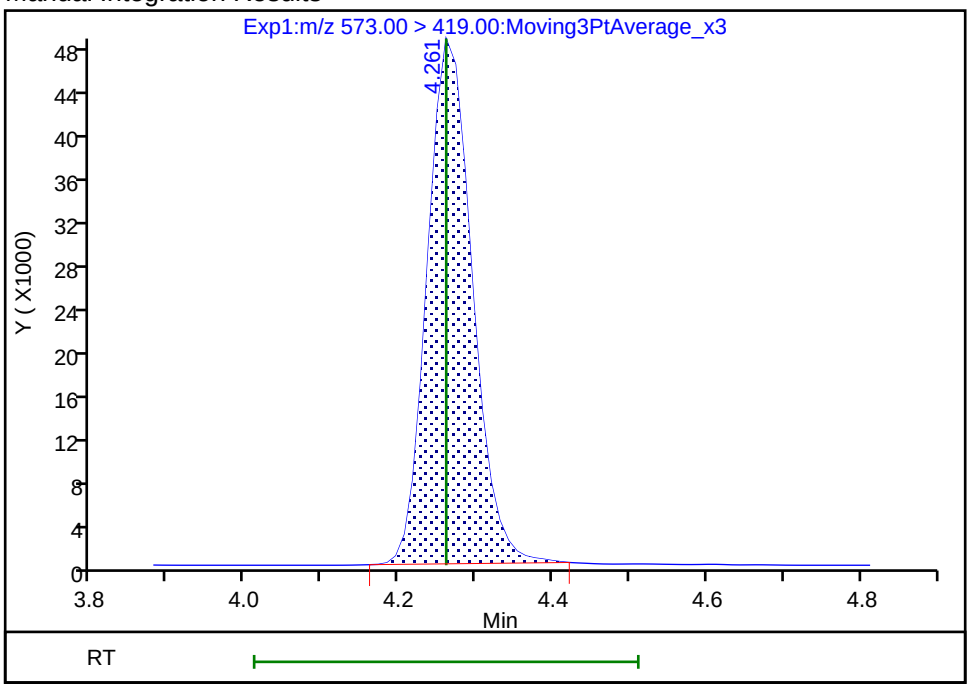
Processing Integration Results

RT: 4.26
Area: 200724
Amount: 1.036631
Amount Units: ng/ml



Manual Integration Results

RT: 4.26
Area: 198011
Amount: 1.022620
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:30:41
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

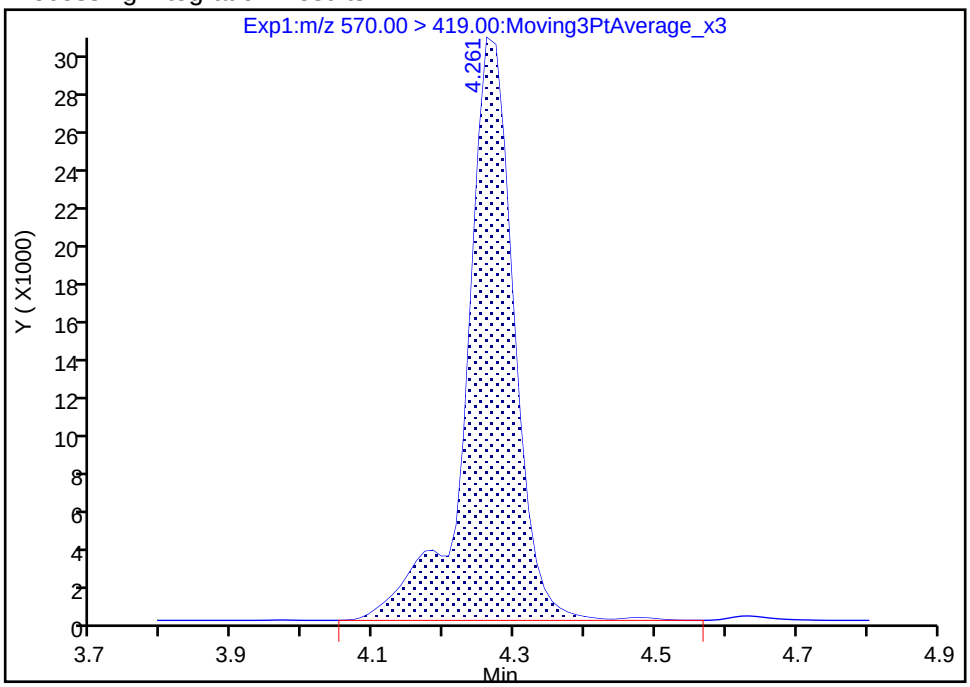
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

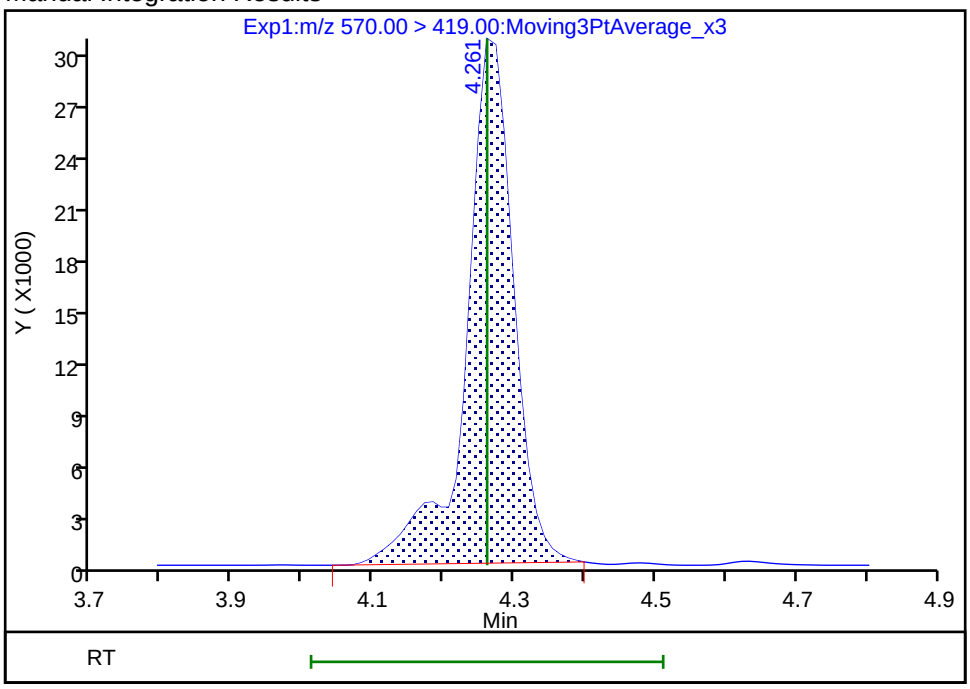
Processing Integration Results

RT: 4.26
Area: 143315
Amount: 1.009166
Amount Units: ng/ml



Manual Integration Results

RT: 4.26
Area: 140573
Amount: 0.999207
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:30:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

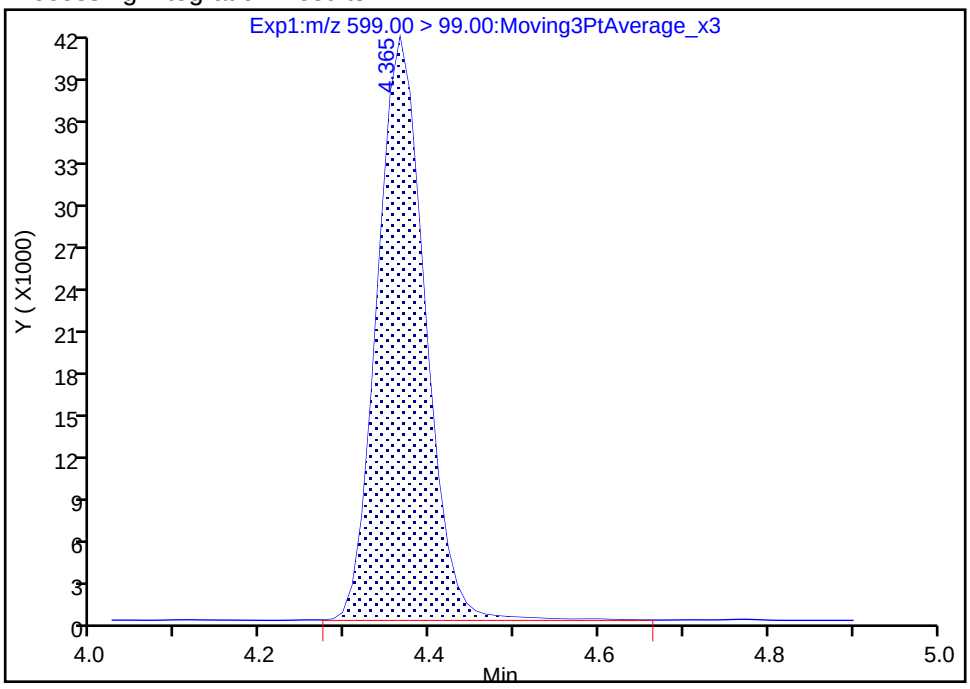
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

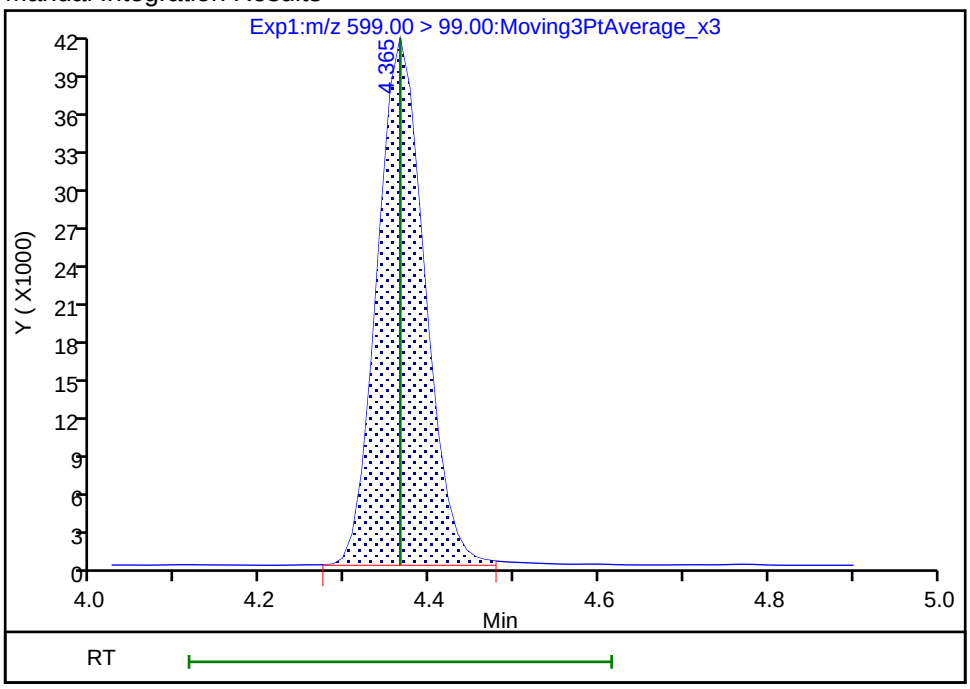
Processing Integration Results

RT: 4.36
Area: 162946
Amount: 0.937253
Amount Units: ng/ml



Manual Integration Results

RT: 4.36
Area: 161668
Amount: 0.945001
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:21:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

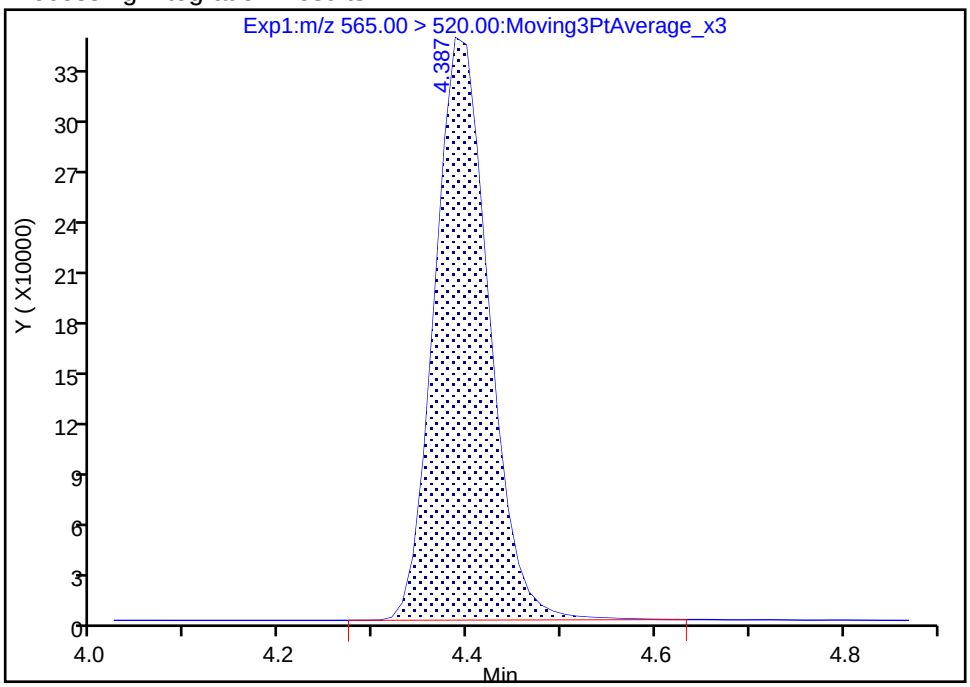
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

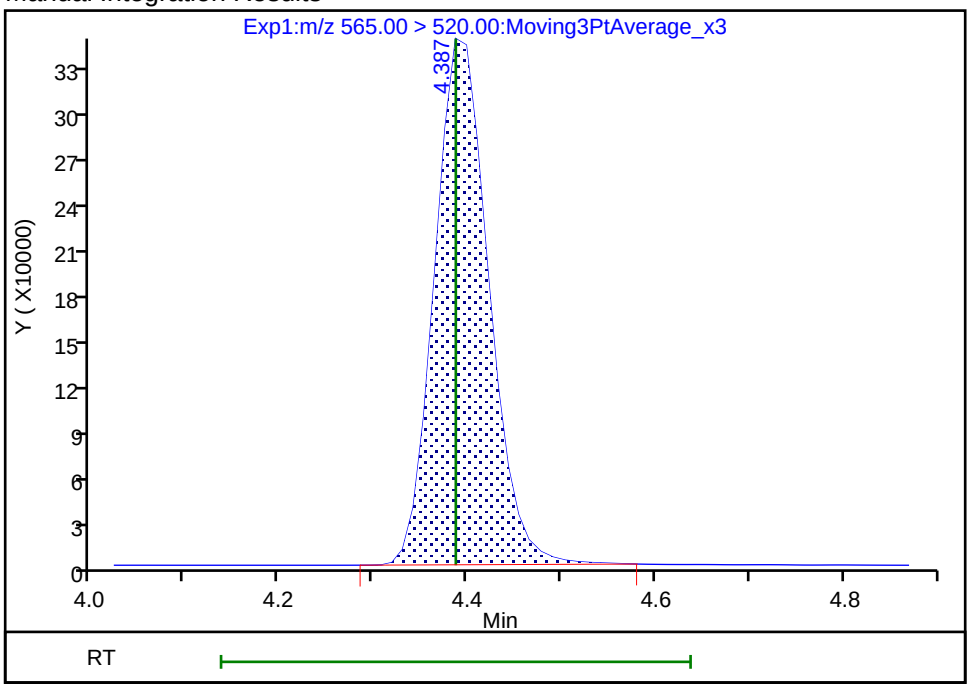
Processing Integration Results

RT: 4.39
Area: 1365122
Amount: 1.247151
Amount Units: ng/ml



Manual Integration Results

RT: 4.39
Area: 1361117
Amount: 1.243492
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:30:47
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

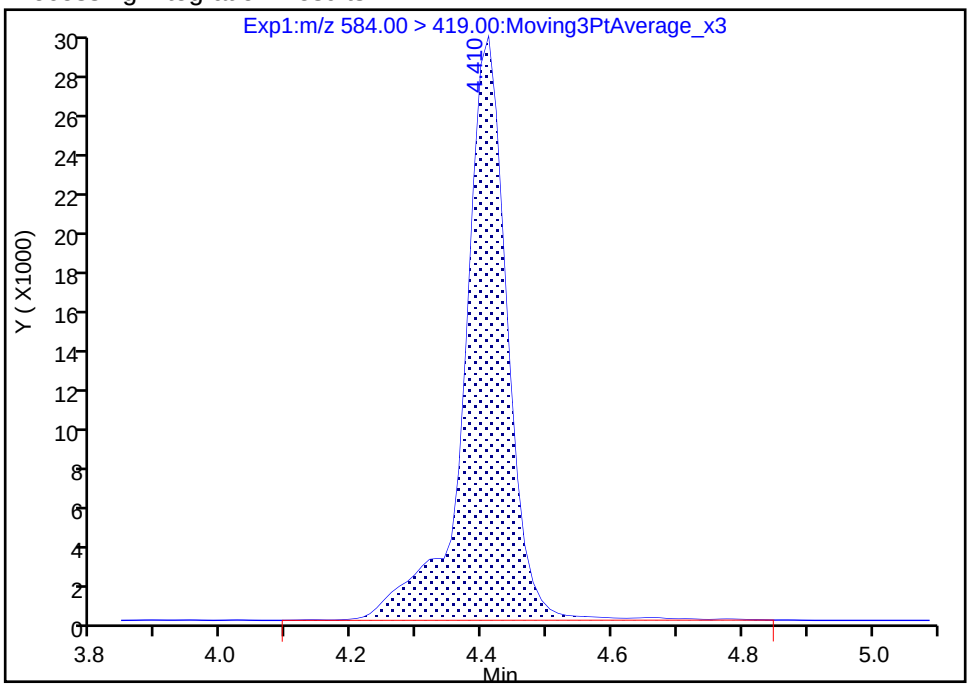
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

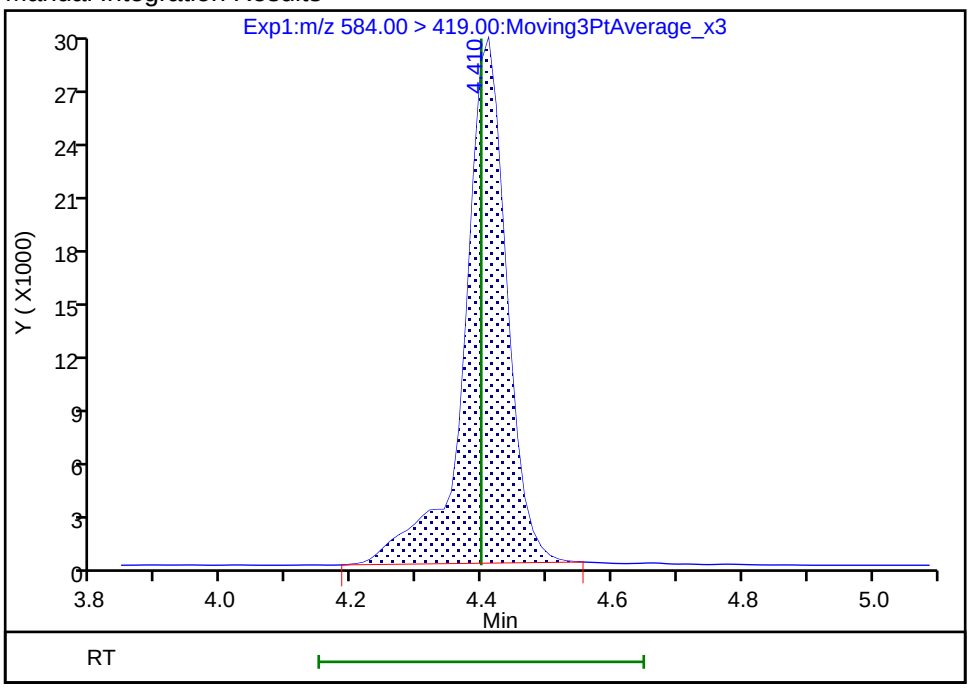
Processing Integration Results

RT: 4.41
Area: 137979
Amount: 1.050980
Amount Units: ng/ml



Manual Integration Results

RT: 4.41
Area: 134599
Amount: 1.025234
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:30:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

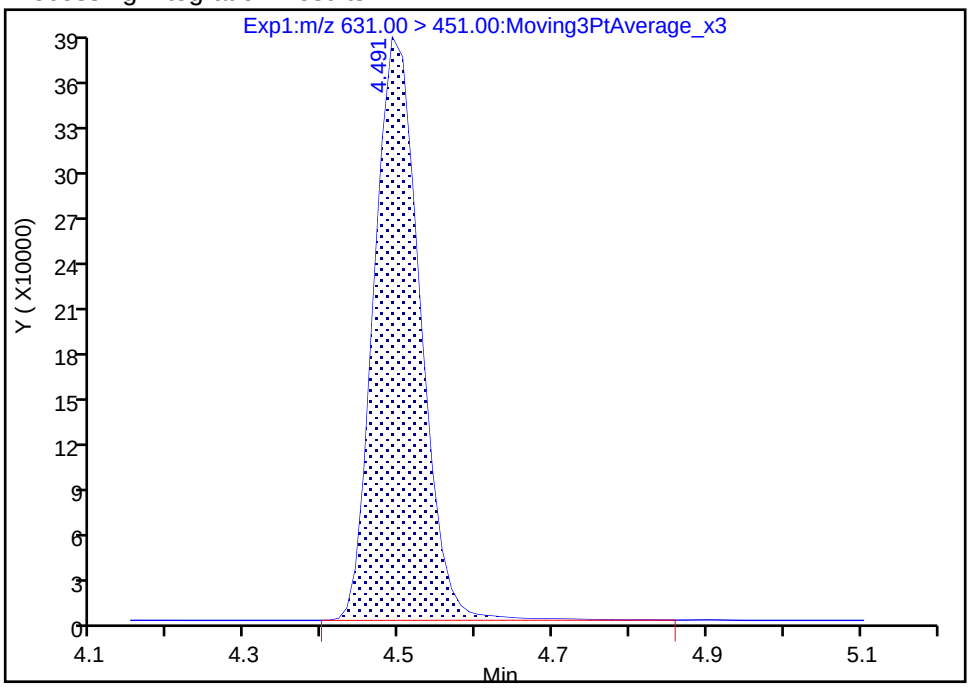
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

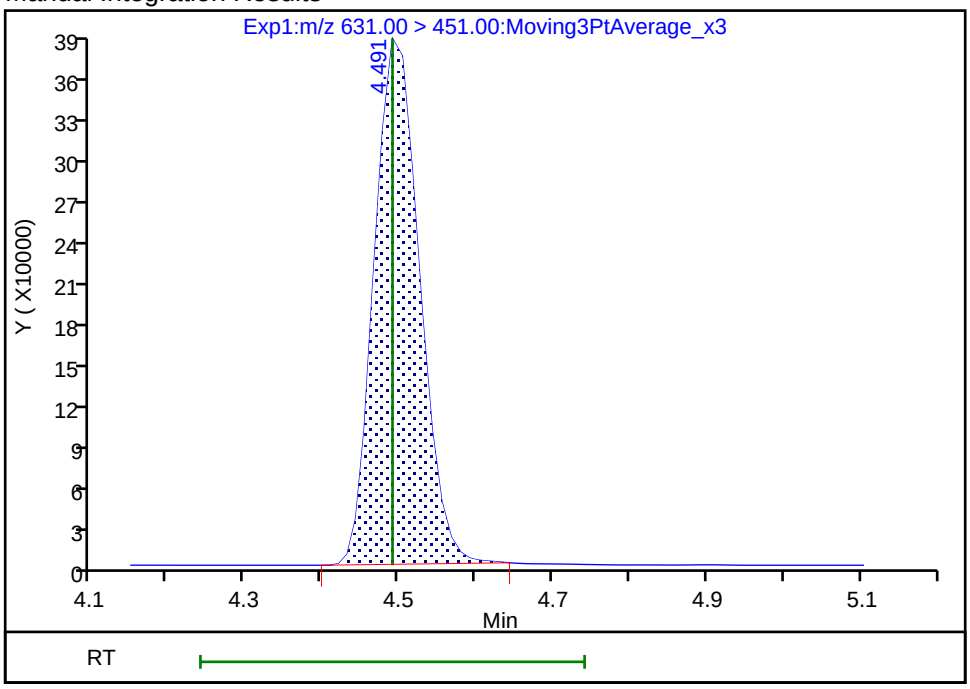
Processing Integration Results

RT: 4.49
Area: 1605694
Amount: 0.942561
Amount Units: ng/ml



Manual Integration Results

RT: 4.49
Area: 1586472
Amount: 0.938976
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:31:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

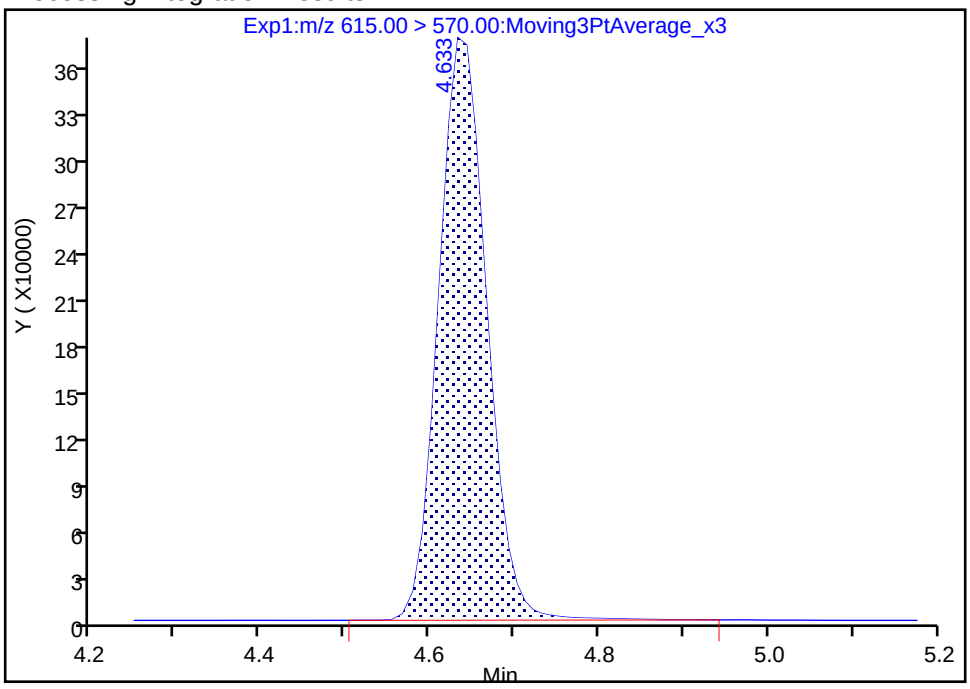
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 36 13C2 PFDoA, CAS: STL00998

Signal: 1

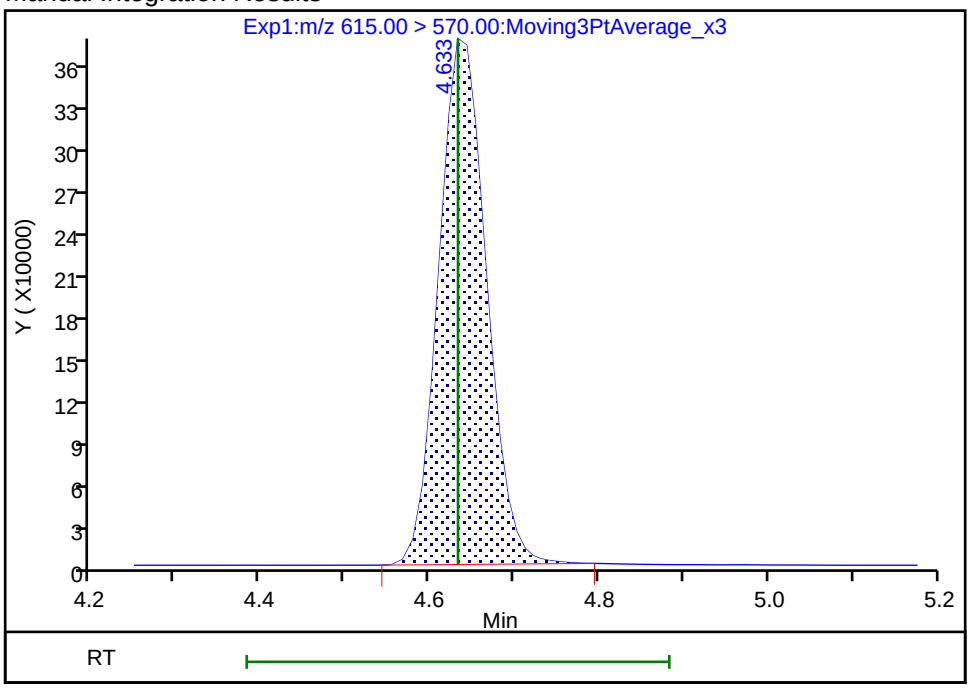
Processing Integration Results

RT: 4.63
Area: 1471302
Amount: 1.297145
Amount Units: ng/ml



Manual Integration Results

RT: 4.63
Area: 1459285
Amount: 1.286551
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:18:33
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

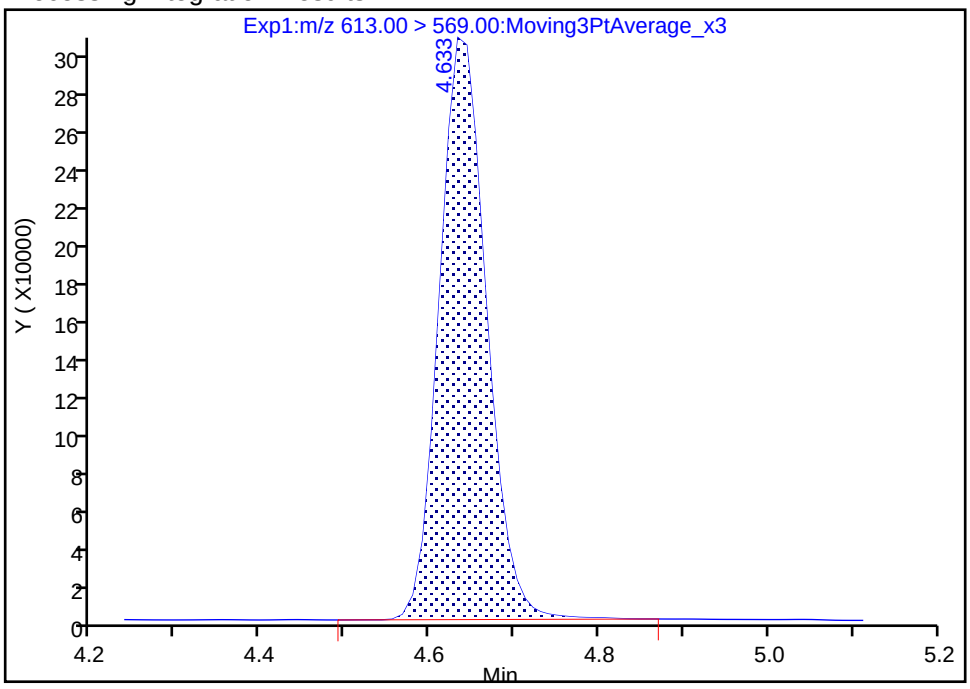
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

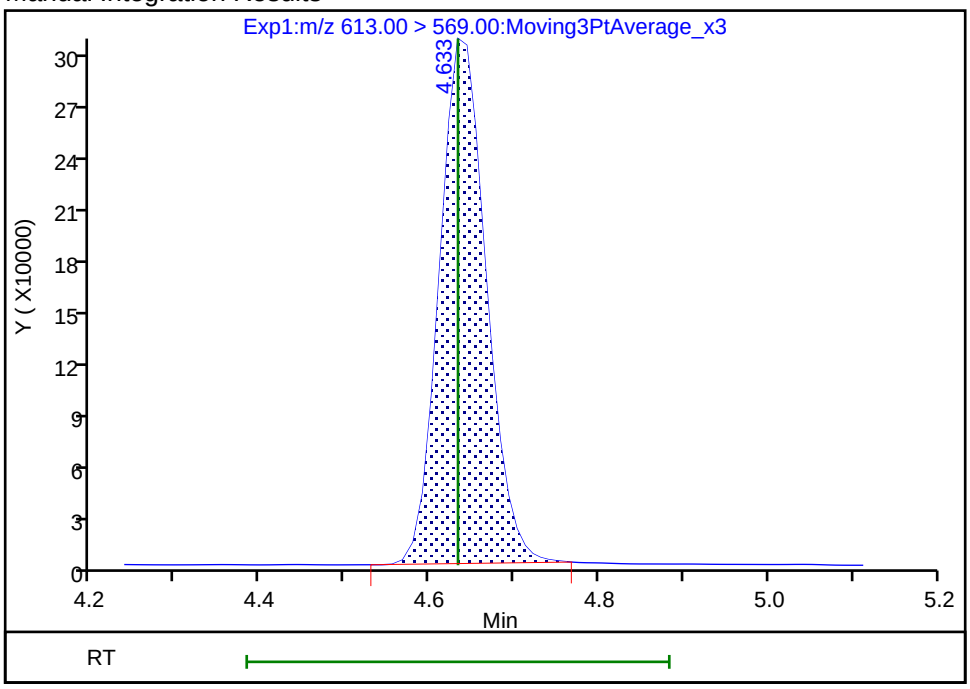
Processing Integration Results

RT: 4.63
Area: 1193538
Amount: 1.008118
Amount Units: ng/ml



Manual Integration Results

RT: 4.63
Area: 1181368
Amount: 0.997839
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:31:06
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

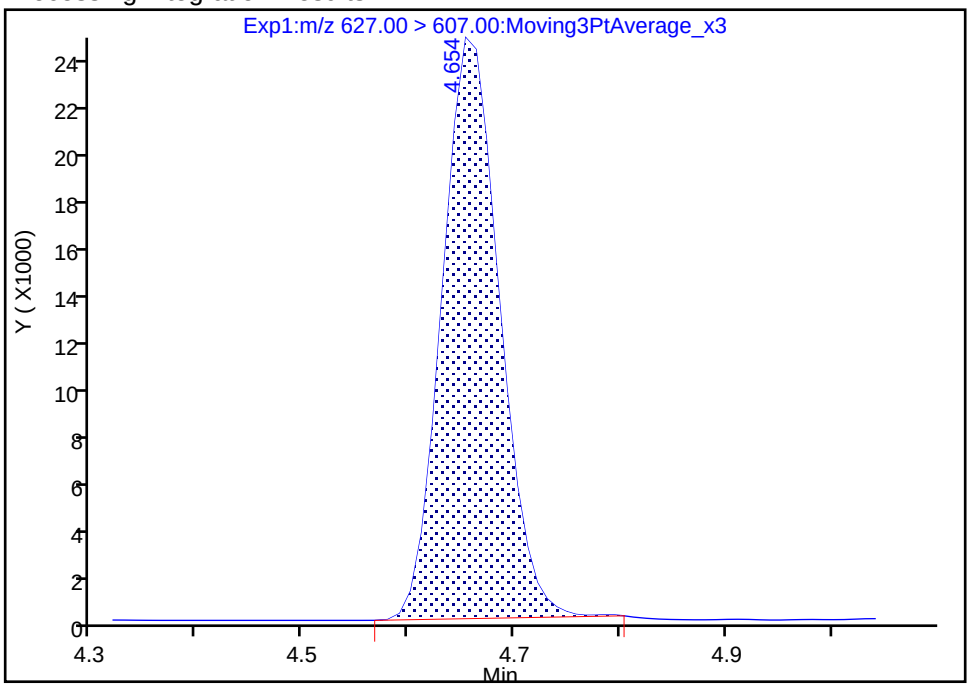
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

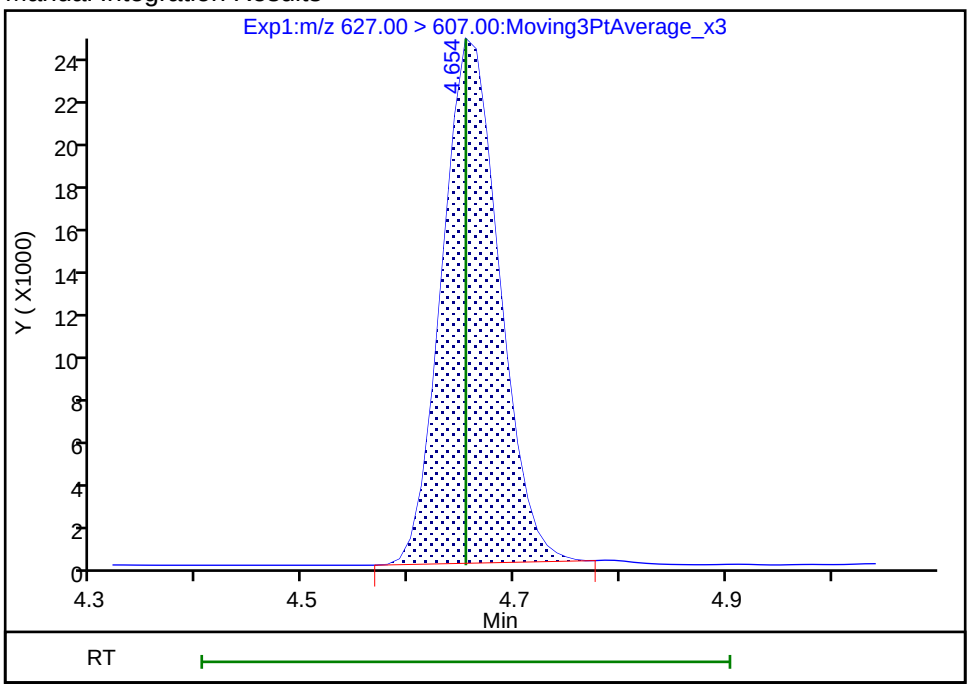
Processing Integration Results

RT: 4.65
Area: 91563
Amount: 1.011589
Amount Units: ng/ml



Manual Integration Results

RT: 4.65
Area: 91194
Amount: 1.007512
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:31:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

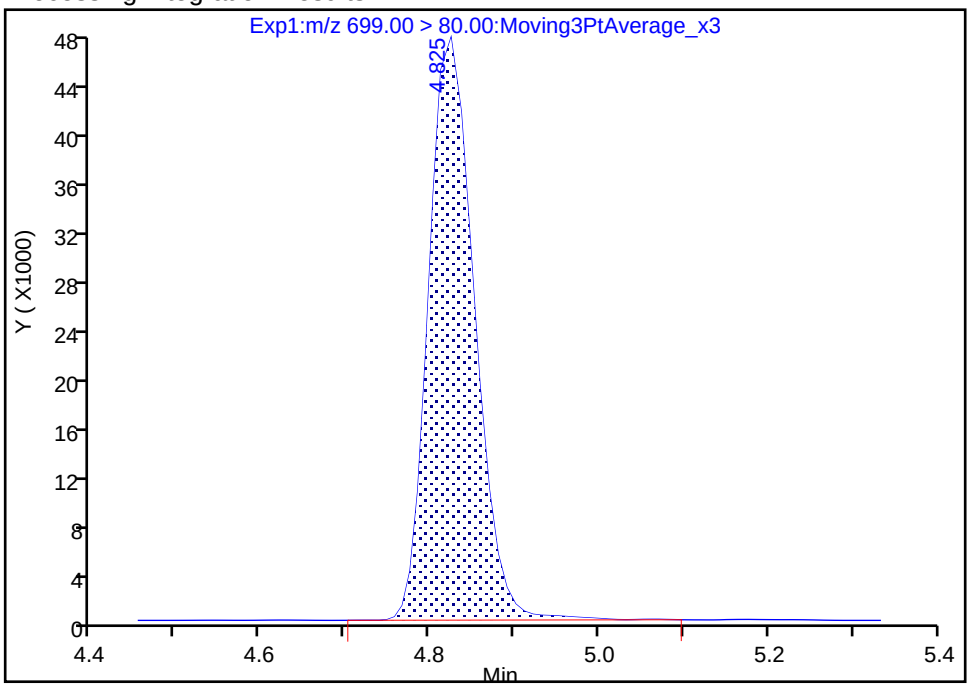
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 1

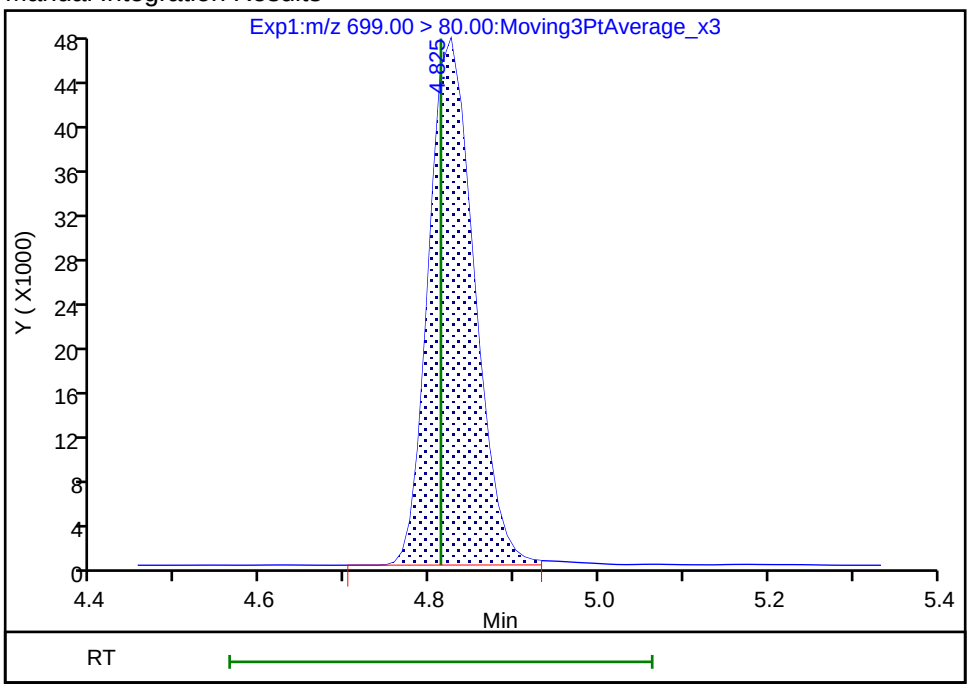
Processing Integration Results

RT: 4.82
Area: 179699
Amount: 0.937503
Amount Units: ng/ml



Manual Integration Results

RT: 4.82
Area: 178456
Amount: 0.938714
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:22:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

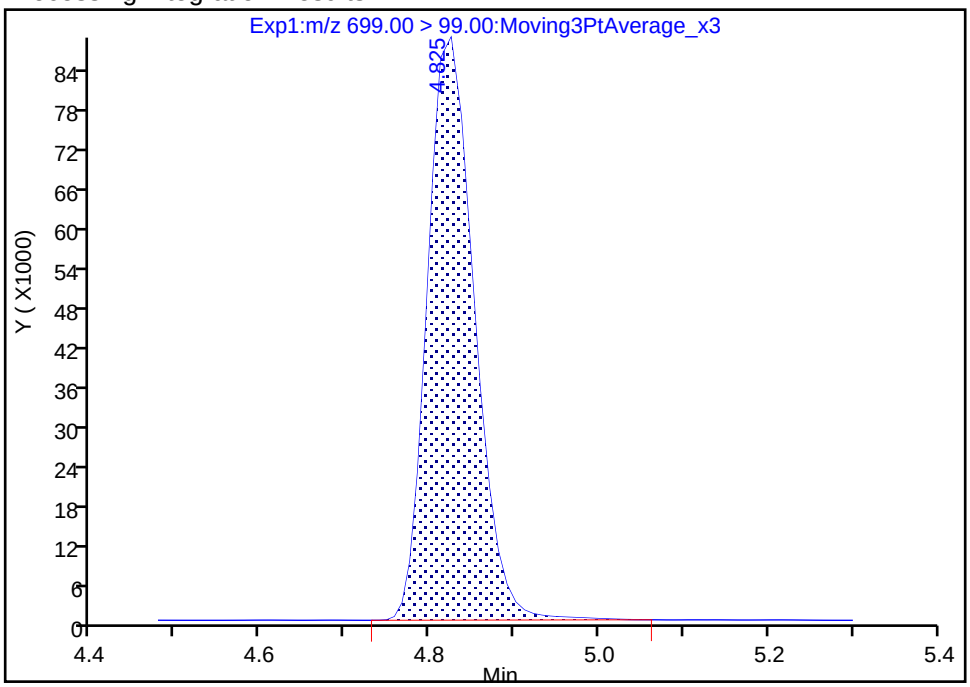
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

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

Signal: 2

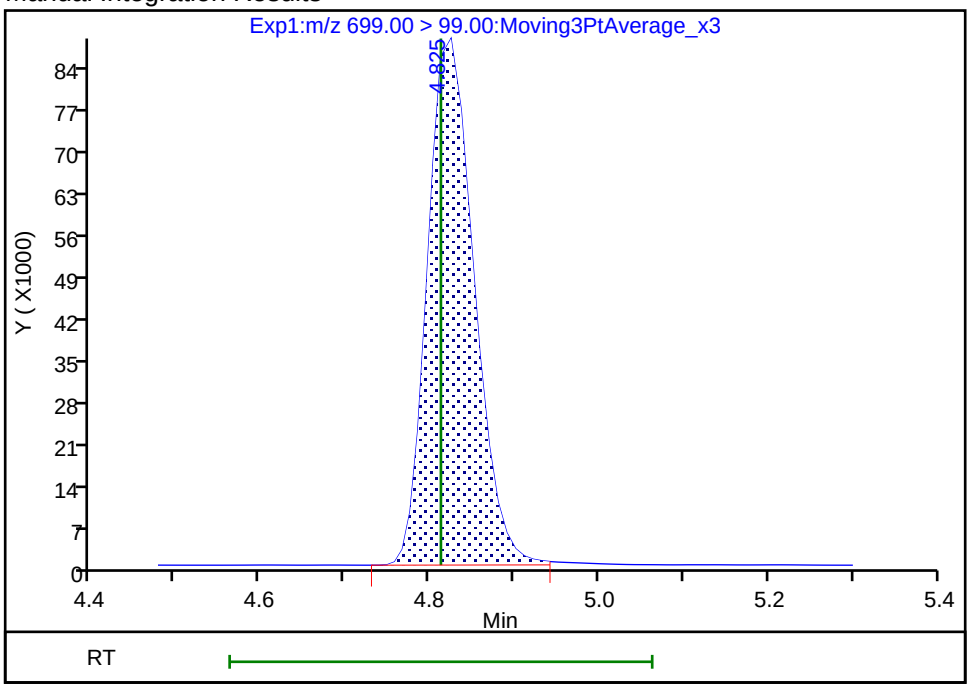
Processing Integration Results

RT: 4.82
Area: 339438
Amount: 0.937503
Amount Units: ng/ml



Manual Integration Results

RT: 4.82
Area: 337983
Amount: 0.938714
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:22:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

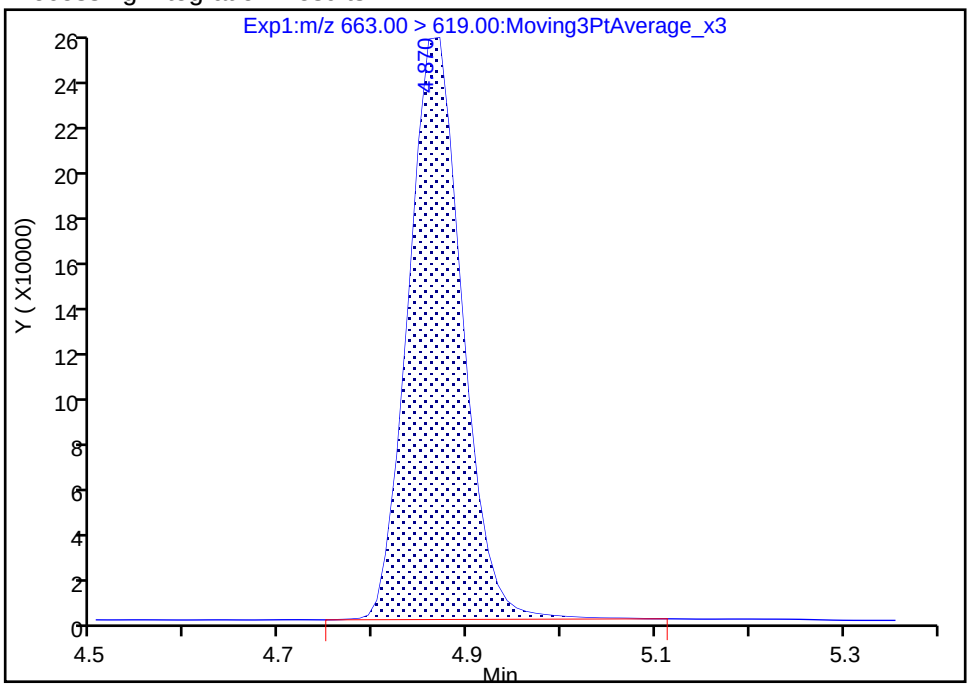
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

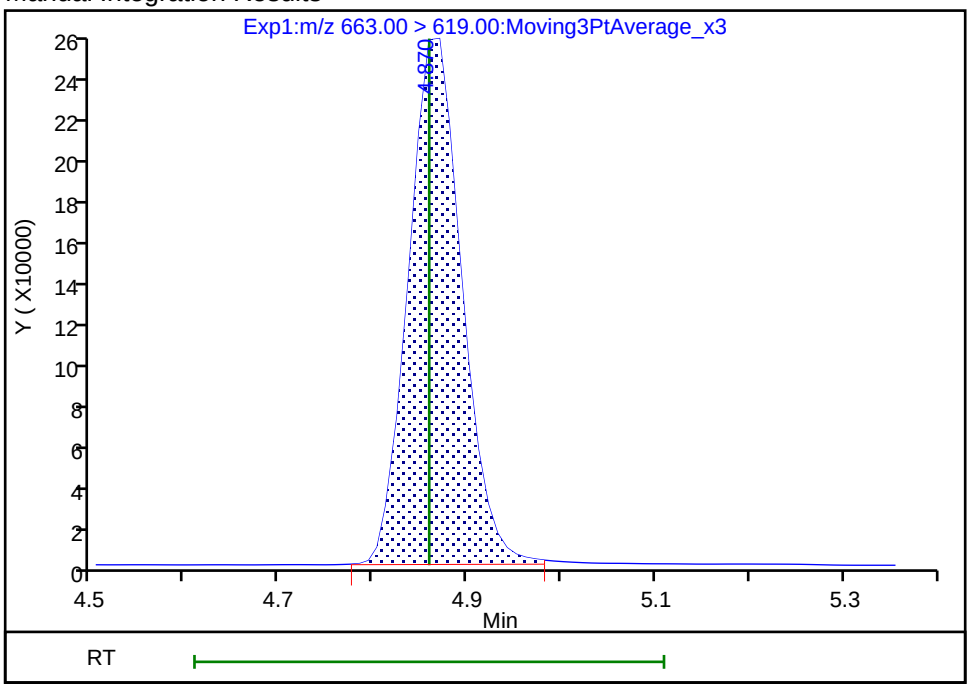
Processing Integration Results

RT: 4.87
Area: 1025411
Amount: 0.999128
Amount Units: ng/ml



Manual Integration Results

RT: 4.87
Area: 1020836
Amount: 0.994671
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:22:24
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

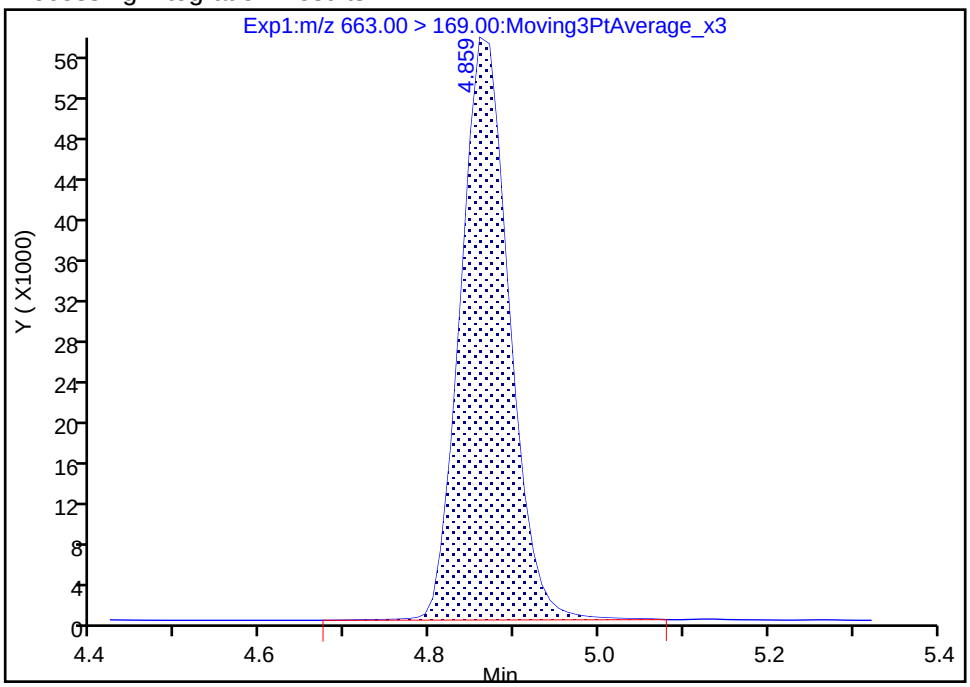
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

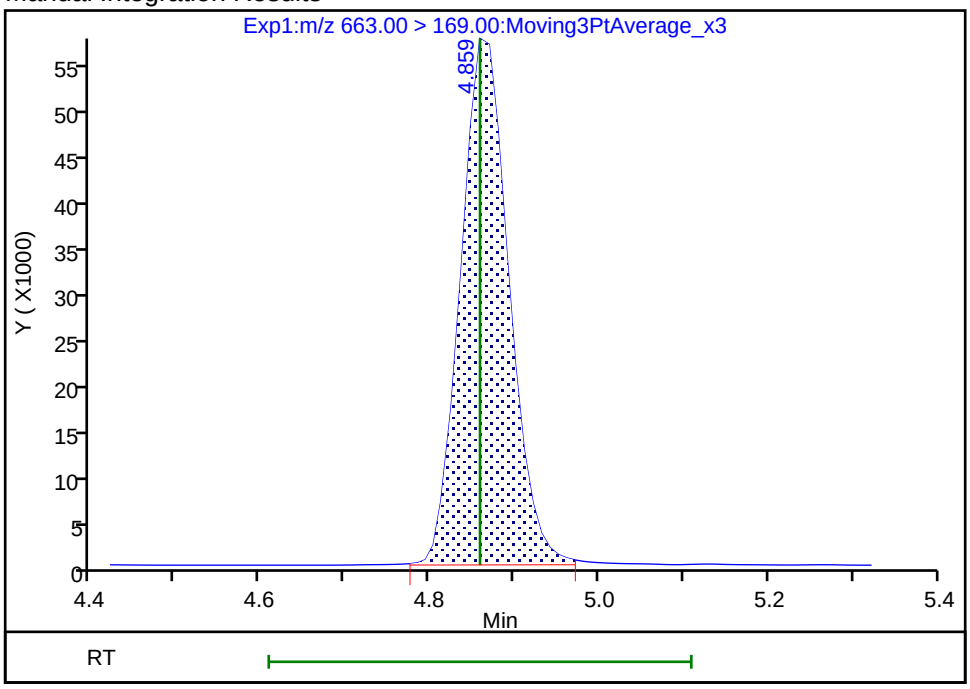
Processing Integration Results

RT: 4.86
Area: 231330
Amount: 0.999128
Amount Units: ng/ml



Manual Integration Results

RT: 4.86
Area: 229979
Amount: 0.994671
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:22:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

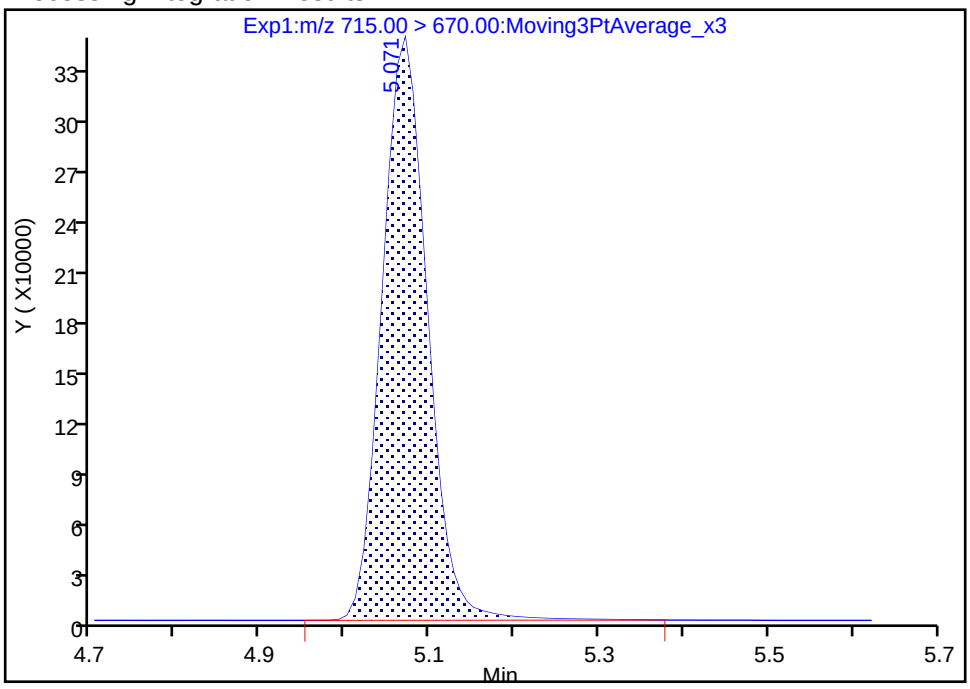
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

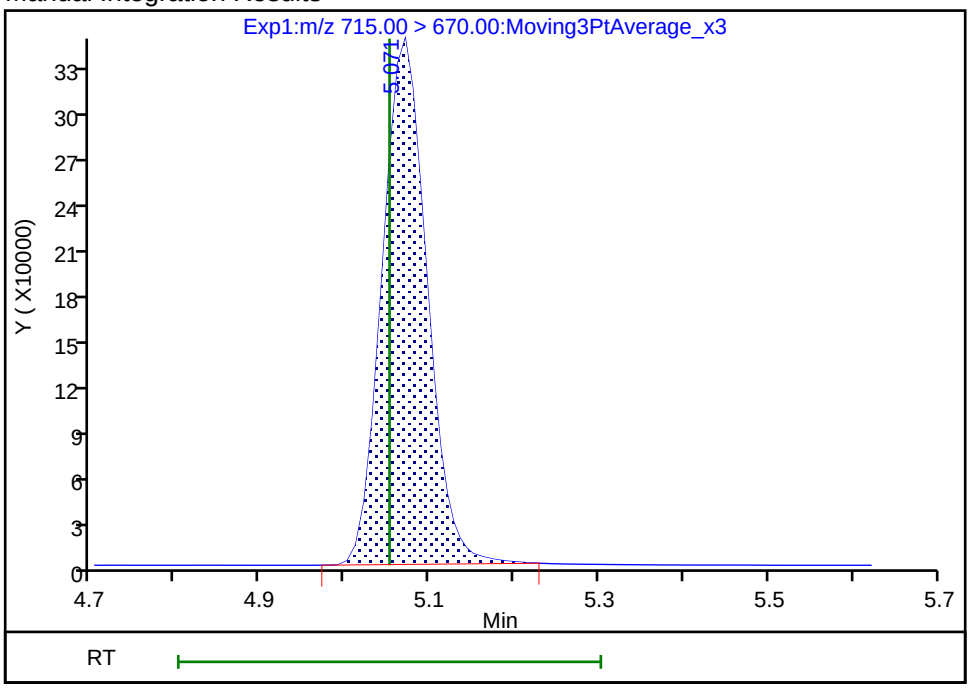
Processing Integration Results

RT: 5.07
Area: 1265228
Amount: 1.364530
Amount Units: ng/ml



Manual Integration Results

RT: 5.07
Area: 1252283
Amount: 1.350569
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:31:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

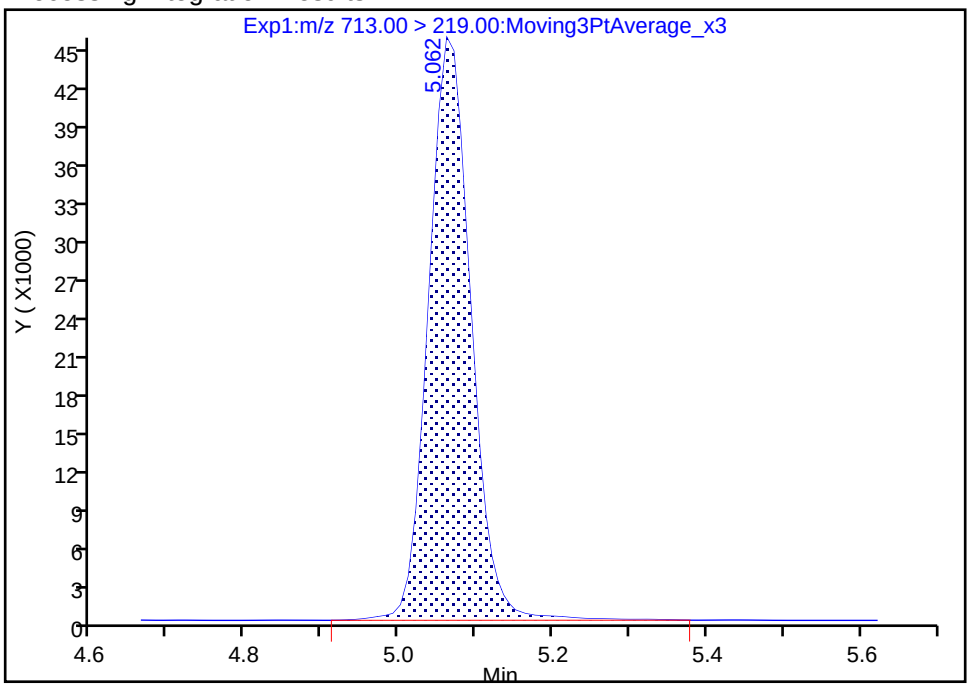
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

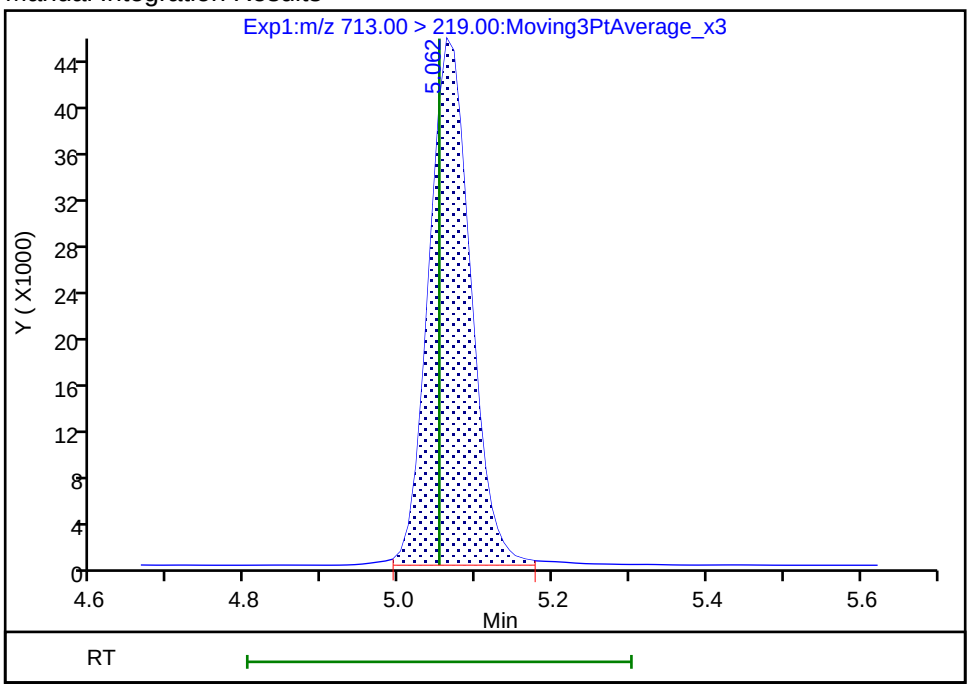
Processing Integration Results

RT: 5.06
Area: 171784
Amount: 0.956612
Amount Units: ng/ml



Manual Integration Results

RT: 5.06
Area: 169591
Amount: 0.966500
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:22:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

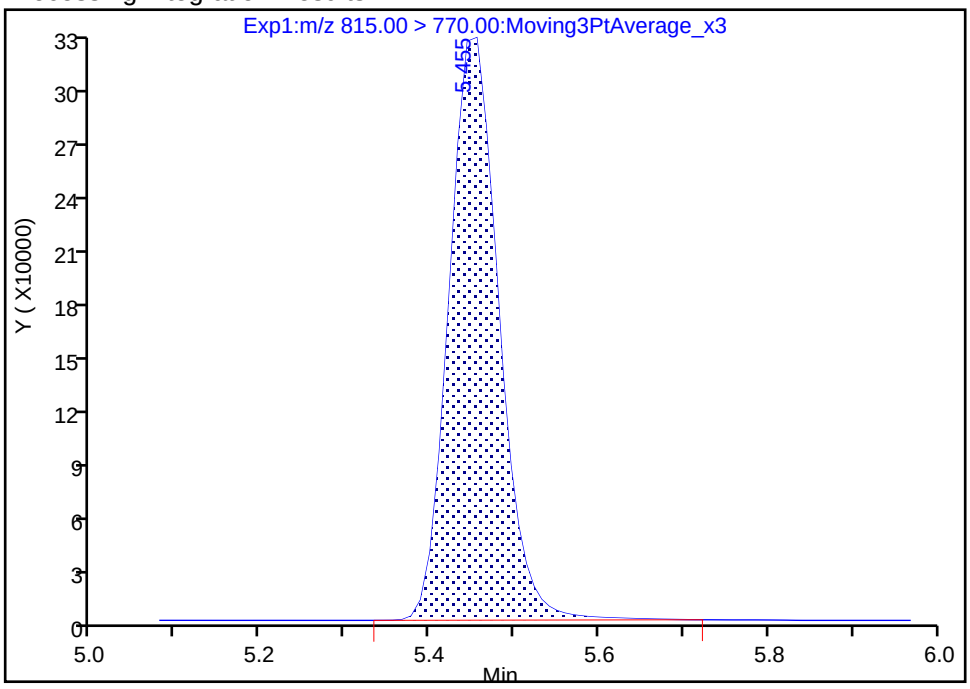
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

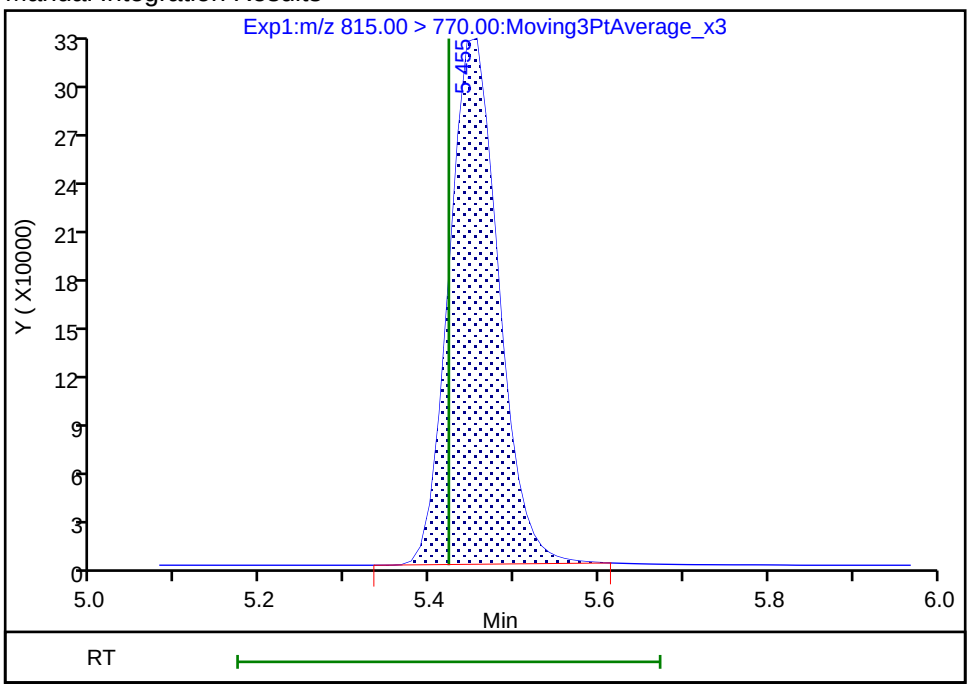
Processing Integration Results

RT: 5.46
Area: 1312706
Amount: 1.242825
Amount Units: ng/ml



Manual Integration Results

RT: 5.46
Area: 1300186
Amount: 1.230972
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:31:33
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

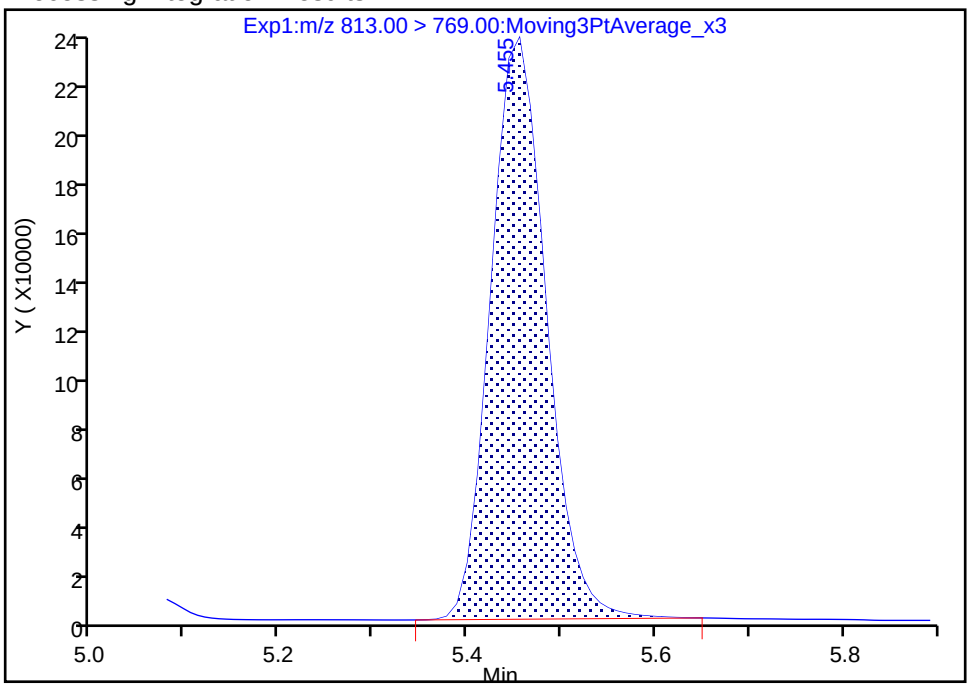
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

45 Perfluorohexadecanoic acid, CAS: 67905-19-5

Signal: 1

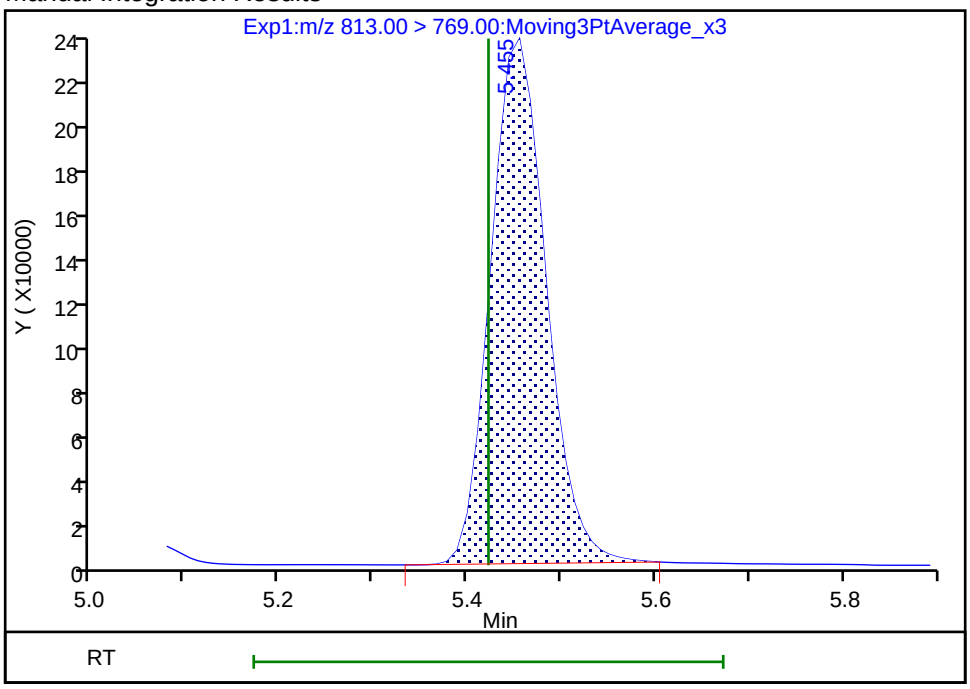
Processing Integration Results

RT: 5.46
Area: 943771
Amount: 0.984492
Amount Units: ng/ml



Manual Integration Results

RT: 5.46
Area: 938418
Amount: 0.988415
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:31:28
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

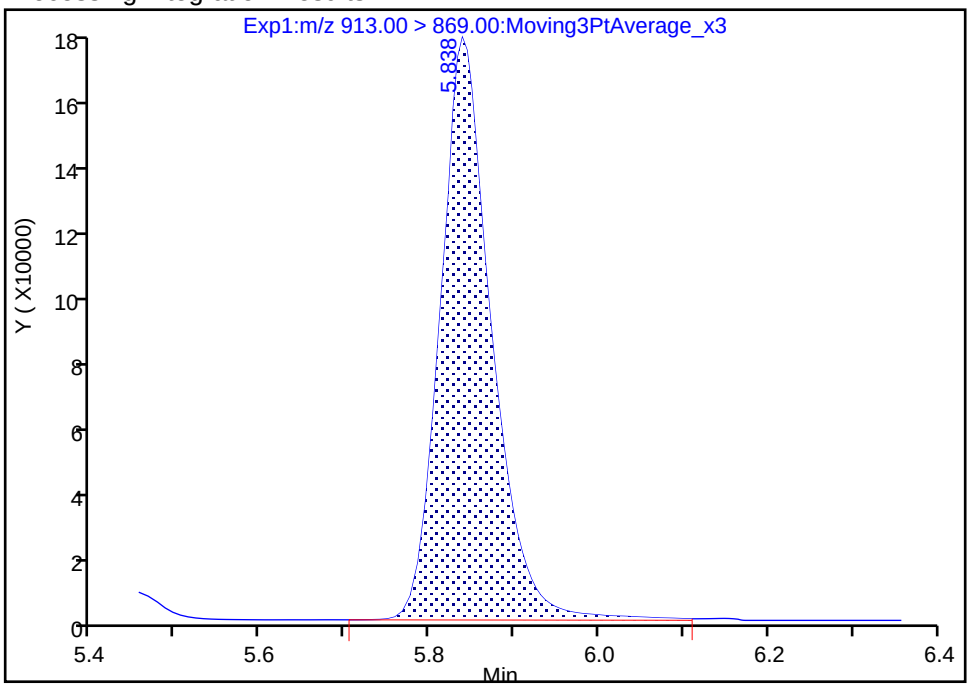
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 1

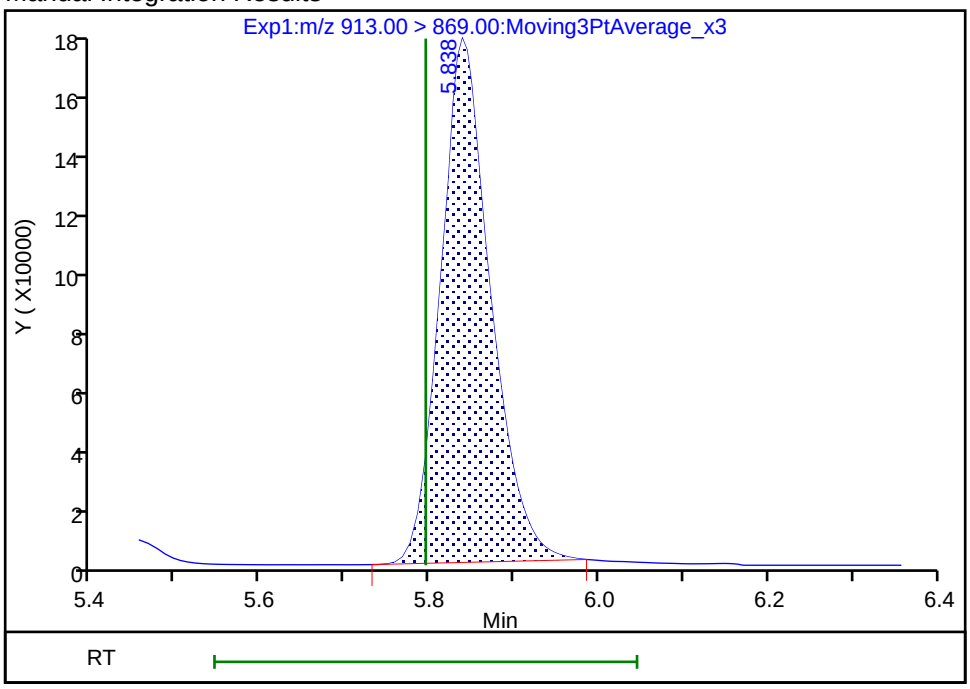
Processing Integration Results

RT: 5.84
Area: 725066
Amount: 1.038400
Amount Units: ng/ml



Manual Integration Results

RT: 5.84
Area: 703444
Amount: 1.017135
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:31:37
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

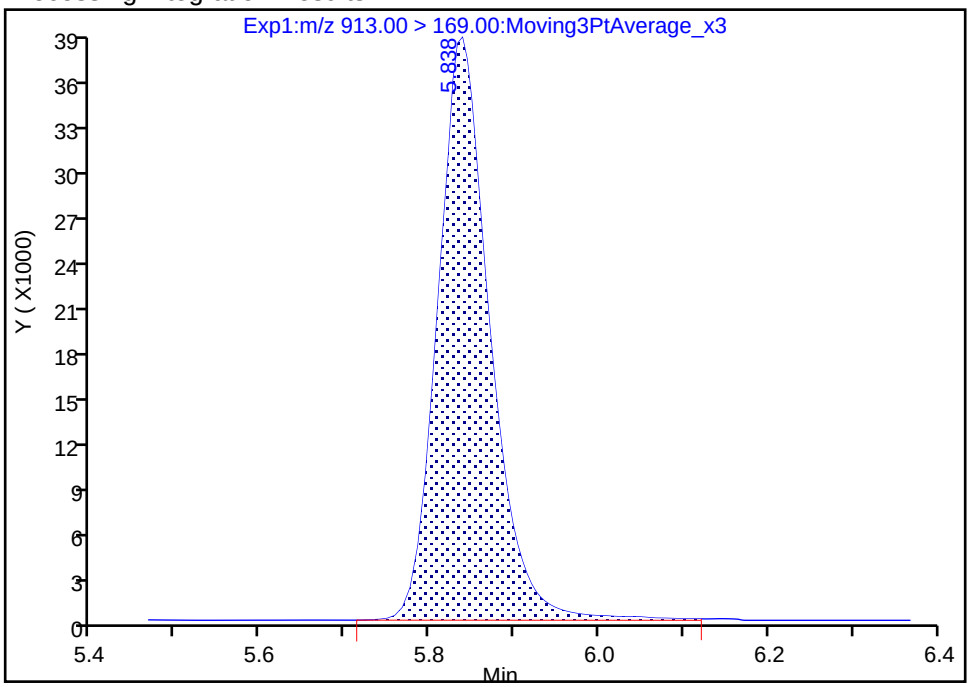
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C12.d
Injection Date: 04-Aug-2022 18:31:19 Instrument ID: LC812
Lims ID: CCV L4
Client ID:
Operator ID: lc812tech ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

46 Perfluorooctadecanoic acid, CAS: 16517-11-6

Signal: 2

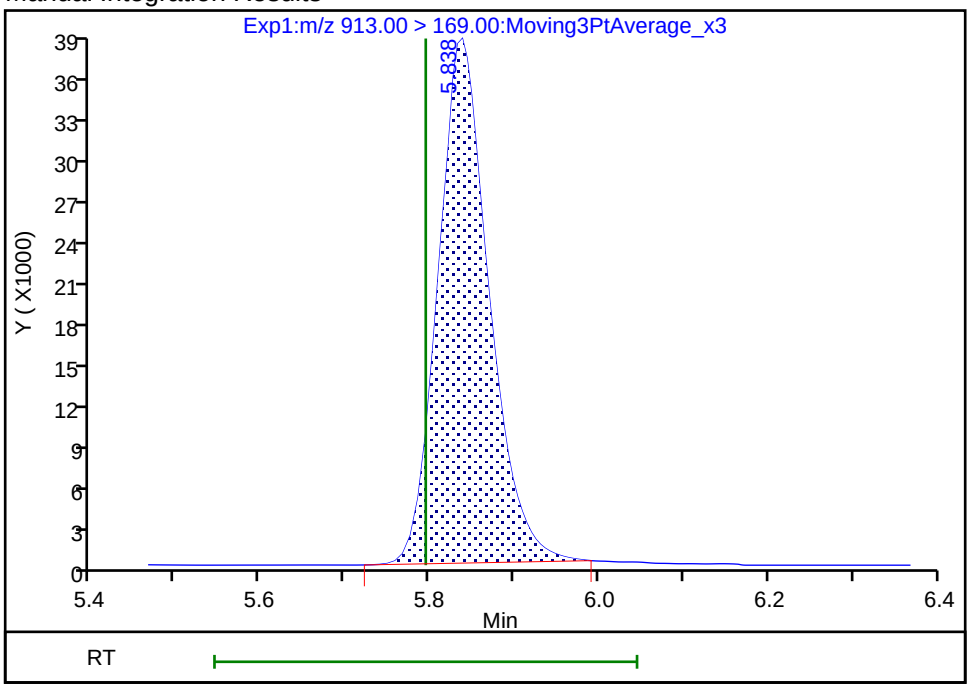
Processing Integration Results

RT: 5.84
Area: 165431
Amount: 1.038400
Amount Units: ng/ml



Manual Integration Results

RT: 5.84
Area: 161246
Amount: 1.017135
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 08:31:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 460-262897-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 200-182317/1-A

Matrix: Solid | Lab File ID: PA220804B02.d

Analysis Method: 537 (modified) | Date Collected:

Extraction Method: SHAKE | Date Extracted: 08/03/2022 11:39

Sample wt/vol: 5.00(g) | Date Analyzed: 08/04/2022 14:09

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.: 182375 | 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
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.019
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.11
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.: 460-262897-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-182317/1-A

Matrix: Solid Lab File ID: PA220804B02.d

Analysis Method: 537 (modified) Date Collected:

Extraction Method: SHAKE Date Extracted: 08/03/2022 11:39

Sample wt/vol: 5.00(g) Date Analyzed: 08/04/2022 14:09

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.: 182375 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL01892	13C4 PFHpA	98		50-150
STL00990	13C4 PFOA	92		50-150
STL00995	13C5 PFNA	91		50-150
STL00992	13C4 PFBA	98		50-150
STL00993	13C2 PFHxA	100		50-150
STL00996	13C2 PFDA	89		50-150
STL00997	13C2 PFUnA	85		50-150
STL00994	18O2 PFHxS	91		50-150
STL00998	13C2 PFDoA	74		50-150
STL00991	13C4 PFOS	85		50-150
STL01056	13C8 FOSA	80		50-150
STL01893	13C5 PFPeA	100		50-150
STL02116	13C2 PFTeDA	76		50-150
STL02118	d3-NMeFOSAA	73		50-150
STL02117	d5-NEtFOSAA	70		50-150
STL02279	M2-6:2 FTS	88		50-150
STL02337	13C3 PFBS	92		50-150
STL02280	M2-8:2 FTS	85		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d
Lims ID: MB 200-182317/1-A
Client ID:
Sample Type: MB
Inject. Date: 04-Aug-2022 14:09:19 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: MB 200-182317/1-A
Misc. Info.: 200-0051959-002 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 05-Aug-2022 12:53:58 Calib Date: 03-Aug-2022 13:41:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1640

First Level Reviewer: nampitakw Date: 05-Aug-2022 10:25:48
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										M
217.00 > 172.00	2.076	2.076	0.0	0.599	1752136	1.22		97.6	6502	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.076	2.085	-0.009	1.000	21895	0.0161			1.9	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.387	2.400	-0.013	0.689	1375323	1.24		99.6	2988	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.387	2.400	-0.013	1.000	11151	0.009831			0.4	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.400	2.413	-0.013	0.693	1364605	1.07		91.8	228400	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.400	2.413	-0.013	1.000	7132	0.005504	Target=2.23		8.9	M
298.90 > 99.00	2.400	2.413	-0.013	1.000	3246		2.20(1.11-3.34)		2.5	M
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.701	2.713	-0.012	0.780	125839	1.14		97.9	118	M
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.701	2.713	-0.012	1.000	1375	0.005367			23.3	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.738	2.750	-0.012	1.000	8771	0.007651	Target=12.24		1.9	M
313.00 > 119.00	2.738	2.750	-0.012	1.000	1211		7.24(6.12-18.36)		1.6	M
D 7 13C2 PFHxA										M
315.00 > 270.00	2.738	2.750	-0.012	0.790	1373236	1.24		99.6	1953	M
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.738	2.750	-0.012	0.880	3918	0.003708	Target=2.95		6.7	M
349.00 > 99.00	2.738	2.750	-0.012	0.880	2145		1.83(1.48-4.43)		4.8	M
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.847	2.859	-0.012	0.822	235951	1.14		90.9	1305	

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	2.859	-0.012	1.000	1220	0.006015			22.1	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.110	3.110	0.0	0.897	963706	1.07		90.6	2250	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.110	3.110	0.0	1.000	5838	0.006495	Target=3.43		15.9	M
399.00 > 99.00	3.099	3.110	-0.011	0.996	2793		2.09(1.72-5.15)		4.3	M
D 9 13C4 PFHpA										M
367.00 > 322.00	3.110	3.121	-0.011	0.897	1399631	1.22		97.8	1952	M
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.110	3.121	-0.011	1.000	5115	0.004433	Target=3.73		1.8	M
363.00 > 169.00	3.110	3.121	-0.011	1.000	1843		2.78(1.86-5.59)		4.9	M
77 DONA										M
377.00 > 251.00	3.143	3.154	-0.011	0.831	10534	0.004491	Target=2.84		25.8	M
377.00 > 85.00	3.143	3.154	-0.011	0.831	4738		2.22(1.42-4.26)		6.7	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.456	3.465	-0.009	0.997	157608	1.05		88.2	441	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.456	3.465	-0.009	1.000	1517	-0.008964			7.0	
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.456	3.465	-0.009	0.914	2891	0.004107	Target=4.89		12.7	M
449.00 > 99.00	3.456	3.465	-0.009	0.914	408		7.09(2.44-7.33)		2.7	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.456	3.474	-0.018	0.997	5756	0.004750	Target=2.67		0.9	M
413.00 > 169.00	3.474	3.474	0.0	1.003	2179		2.64(1.34-4.01)		6.0	M
D 14 13C4 PFOA										M
417.00 > 372.00	3.465	3.474	-0.009	1.000	1350647	1.15		92.1	1311	M
* 62 13C2 PFOA										M
415.00 > 370.00	3.465	3.474	-0.009		1538962	1.25			2818	M
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.792	3.792	0.0	1.003	3443	-0.0124	Target=4.88		2.2	M
499.00 > 99.00	3.773	3.792	-0.019	0.997	1209		2.85(2.44-7.32)		3.2	M
D 18 13C4 PFOS										M
503.00 > 80.00	3.783	3.792	-0.009	1.092	680605	1.01		84.8	2075	M
20 Perfluorononanoic acid										RM
463.00 > 419.00	3.802	3.812	-0.010	1.000	6408	0.005692	Target=8.23		2.4	RM
463.00 > 169.00	3.802	3.812	-0.010	1.000	512		12.52(4.11-12.34)		4.8	M
D 19 13C5 PFNA										M
468.00 > 423.00	3.802	3.812	-0.010	1.097	1383062	1.14		90.9	1812	M
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.960	3.960	0.0	1.047	4251	0.004225			39.5	M
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.071	4.093	-0.022	1.076	1000	0.002242	Target=2.53		11.2	M
549.00 > 99.00	4.071	4.093	-0.022	1.076	461		2.17(1.26-3.79)		3.0	M
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.104	4.116	-0.012	1.000	6439	0.005817	Target=9.67		4.8	M
513.00 > 169.00	4.104	4.116	-0.012	1.000	682		9.44(4.83-14.50)		5.3	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 23 13C2 PFDA										
515.00 > 470.00	4.104	4.116	-0.012	1.184	1315560	1.11		88.8	3157	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.116	4.127	-0.011	1.000	1355	0.009149			19.6	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.116	4.127	-0.011	1.188	183664	1.01		84.7	669	
D 21 13C8 FOSA										
506.00 > 78.00	4.161	4.161	0.0	1.201	1031855	0.99		79.6	2172	
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.161	4.161	0.0	1.000	5445	0.006473			22.7	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.250	4.261	-0.011	1.000	727	0.007045			3.0	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.250	4.261	-0.011	1.226	145248	0.9146		73.2	864	
29 Perfluorodecanesulfonic acid										RM
599.00 > 80.00	4.342	4.365	-0.023	1.148	741	0.002233	Target=2.80		8.5	RM
599.00 > 99.00	4.353	4.365	-0.012	1.151	584		1.27(1.40-4.20)		8.6	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.376	4.387	-0.011	1.263	950074	1.06		84.7	1399	M
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.376	4.387	-0.011	1.000	5371	0.006670	Target=9.07		5.1	
563.00 > 169.00	4.376	4.387	-0.011	1.000	440		12.21(4.54-13.61)		6.1	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.410	4.399	0.011	1.005	1122	0.0117			10.6	M
D 32 d5-NEtFOSAA										M
589.00 > 419.00	4.387	4.399	-0.012	1.266	131873	0.8773		70.2	671	M
66 11-Chloroeicosafluoro-3-oxaundec										M
631.00 > 451.00	4.478	4.491	-0.013	1.184	3888	0.002969			37.2	M
D 36 13C2 PFDoA										M
615.00 > 570.00	4.622	4.633	-0.011	1.334	861331	0.9258		74.1	1549	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.622	4.633	-0.011	1.000	5657	0.008095	Target=6.97		1.1	
613.00 > 169.00	4.622	4.633	-0.011	1.000	909		6.22(3.48-10.45)		12.3	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.643	4.654	-0.011	1.128	2165	0.0313			47.8	M
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.813	4.813	0.0	1.272	373	0.002532	Target=0.52		8.5	M
699.00 > 99.00	4.813	4.813	0.0	1.272	720		0.52(0.26-0.79)		11.4	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.848	4.859	-0.011	1.049	3706	0.006118	Target=4.56		1.2	
663.00 > 169.00	4.837	4.859	-0.022	1.046	861		4.30(2.28-6.84)		13.4	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.042	5.052	-0.010	1.455	721886	0.9492		75.9	2021	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.042	5.052	-0.010	1.000	499	0.005393	Target=0.94		14.3	M
713.00 > 219.00	5.042	5.052	-0.010	1.000	708		0.70(0.47-1.41)		27.6	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	5.411	5.422	-0.011	1.000	9578	-0.004618	Target=4.38		4.6	M
813.00 > 169.00	5.411	5.422	-0.011	1.000	2225		4.30(2.19-6.57)		40.5	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.411	5.422	-0.011	1.562	828977	0.9569		76.6	3184	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.776	5.795	-0.019	1.068	2069	0.004692	Target=4.31		1.4	M
913.00 > 169.00	5.776	5.795	-0.019	1.068	491		4.21(2.16-6.47)		10.3	M

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Report Date: 05-Aug-2022 12:54:04 Chrom Revision: 2.3 04-Aug-2022 18:02:28

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d

Injection Date: 04-Aug-2022 14:09:19 Instrument ID: LC812

Lims ID: MB 200-182317/1-A

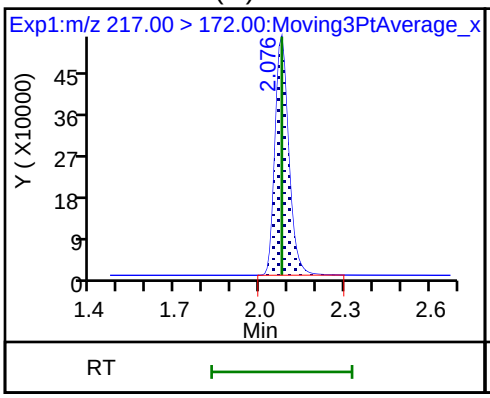
Client ID:

Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2

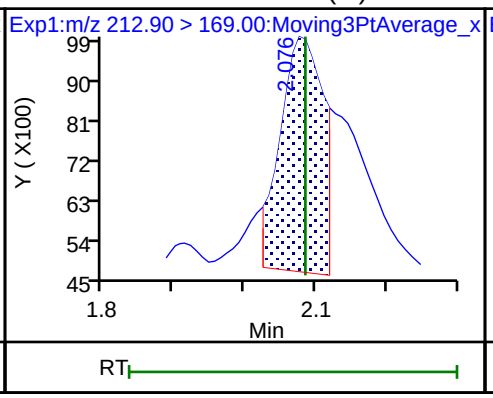
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

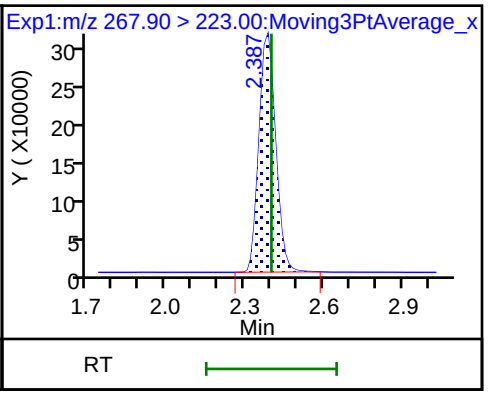
D 1 13C4 PFBA (M)



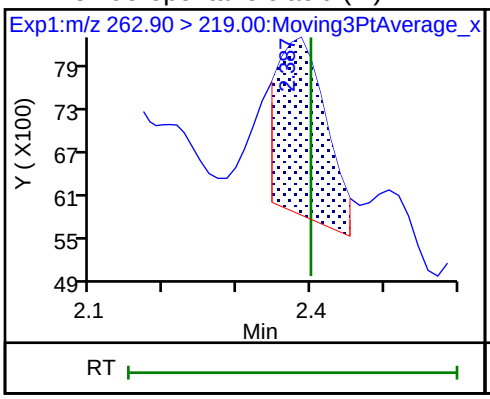
2 Perfluorobutanoic acid (M)



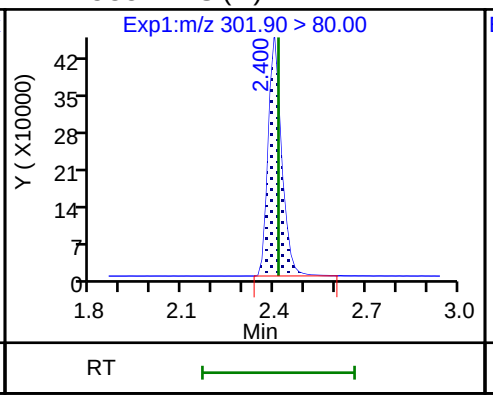
D 3 13C5 PFPeA



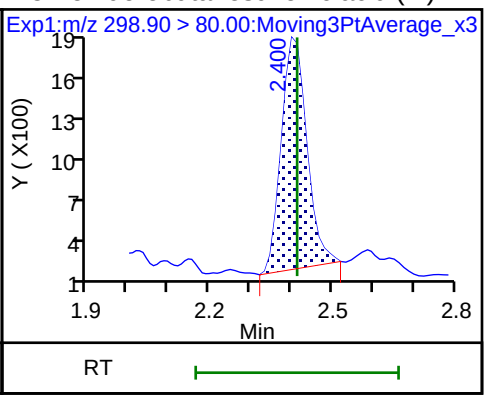
4 Perfluoropentanoic acid (M)



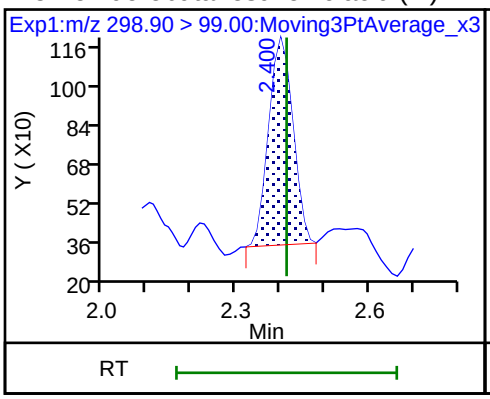
D 47 13C3 PFBS (M)



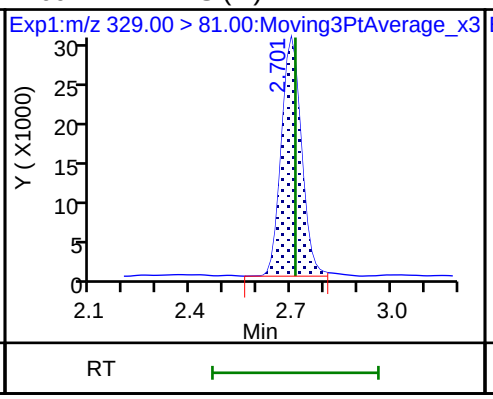
5 Perfluorobutanesulfonic acid (M)



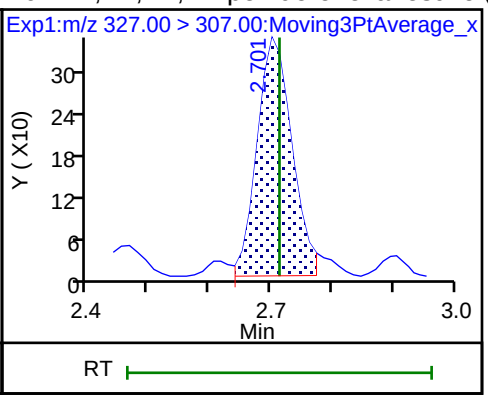
5 Perfluorobutanesulfonic acid (M)



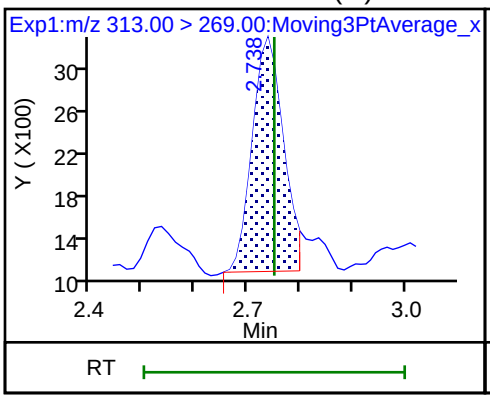
D 60 M2-4:2 FTS (M)



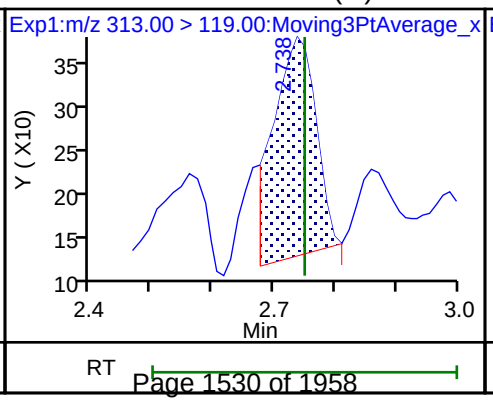
61 1H,1H,2H,2H-perfluorohexanesulfo (M)



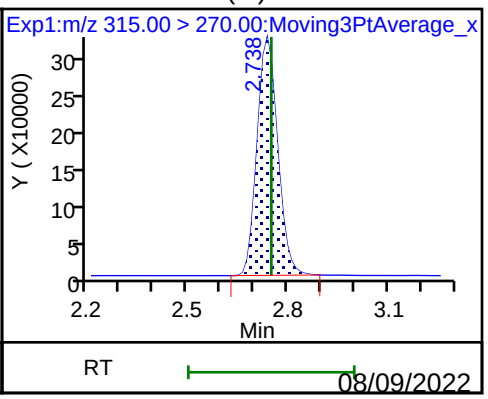
6 Perfluorohexanoic acid (M)



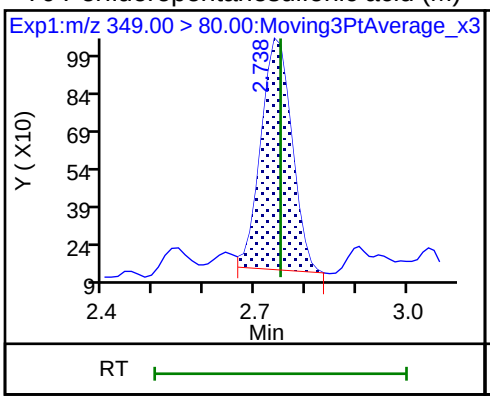
6 Perfluorohexanoic acid (M)



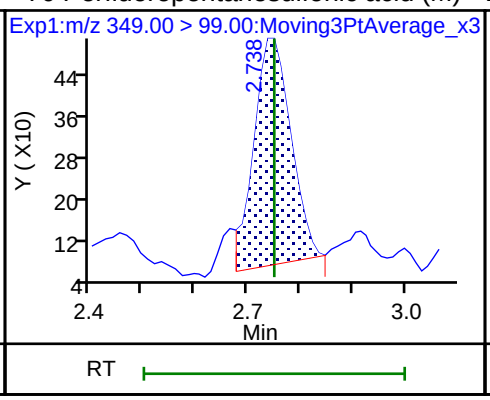
D 7 13C2 PFHxA (M)



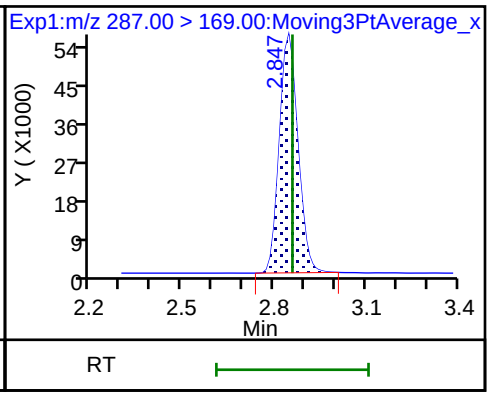
70 Perfluoropentanesulfonic acid (M)



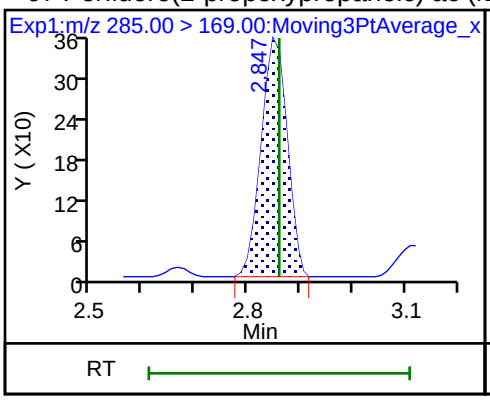
70 Perfluoropentanesulfonic acid (M)



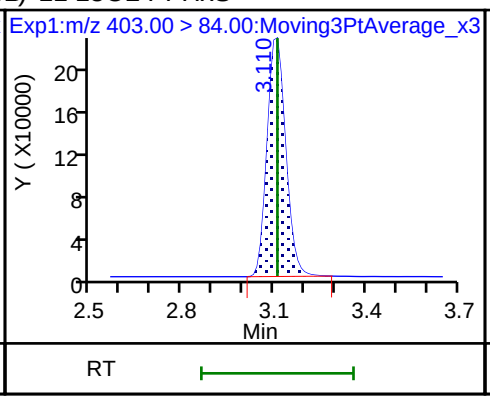
D 64 13C3 HFPO-DA



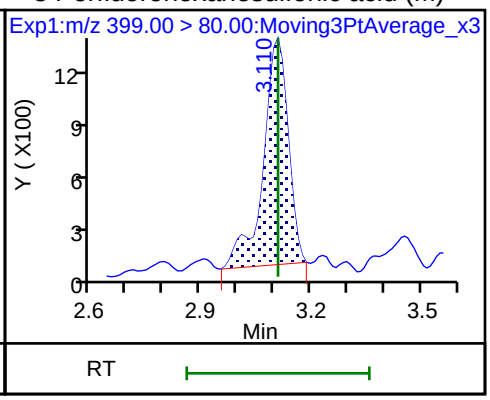
67 Perfluoro(2-propoxypropanoic) ac (M)



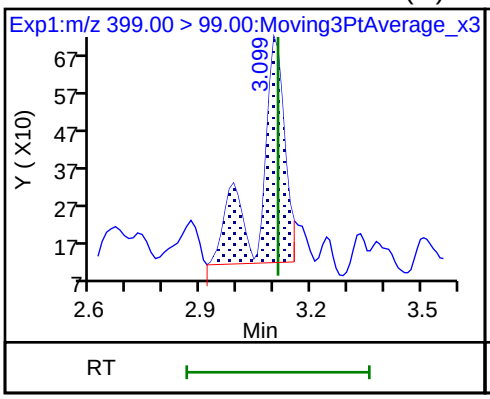
D 11 18O2 PFHxS



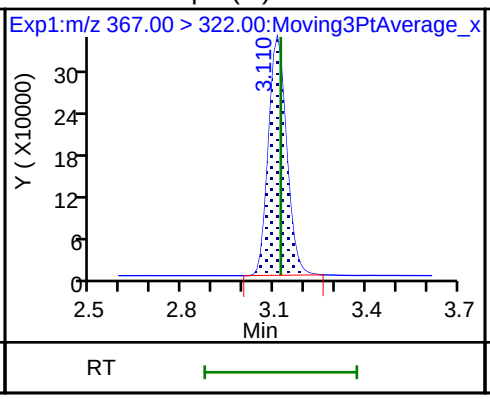
8 Perfluorohexanesulfonic acid (M)



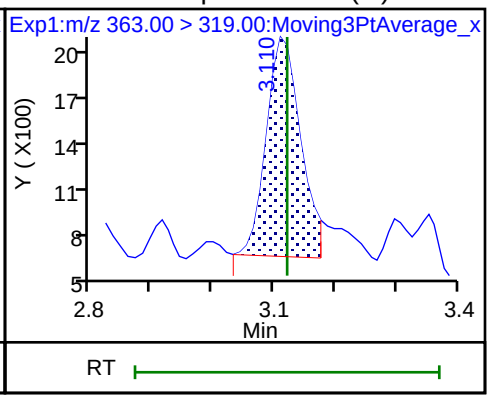
8 Perfluorohexanesulfonic acid (M)



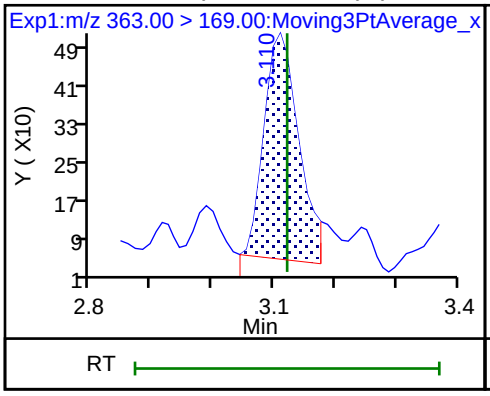
D 9 13C4 PFHpA (M)



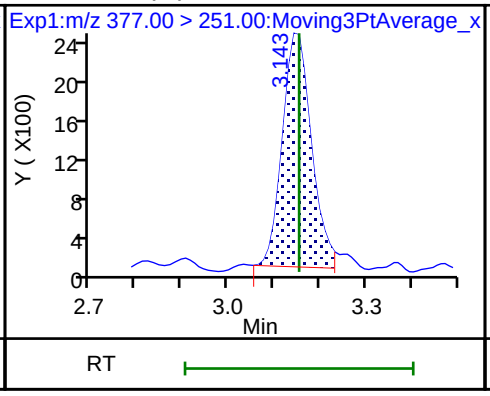
10 Perfluoroheptanoic acid (M)



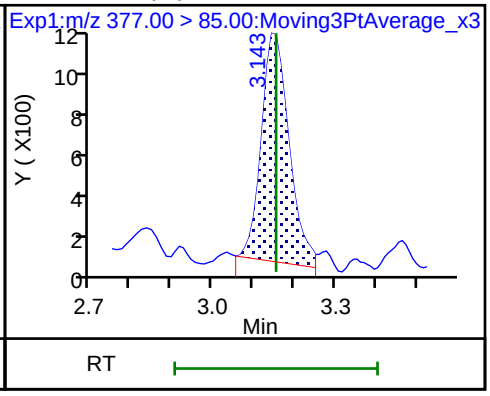
10 Perfluoroheptanoic acid (M)



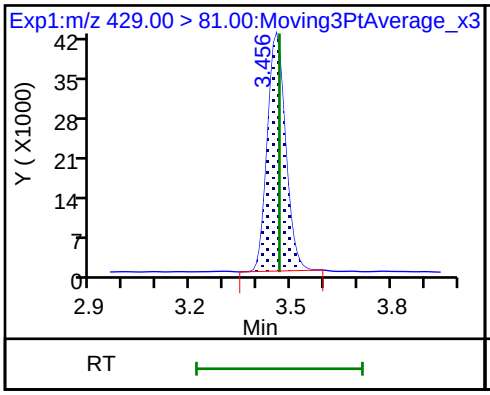
77 DONA (M)



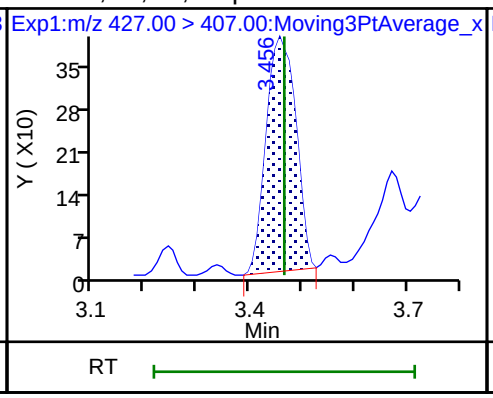
77 DONA (M)



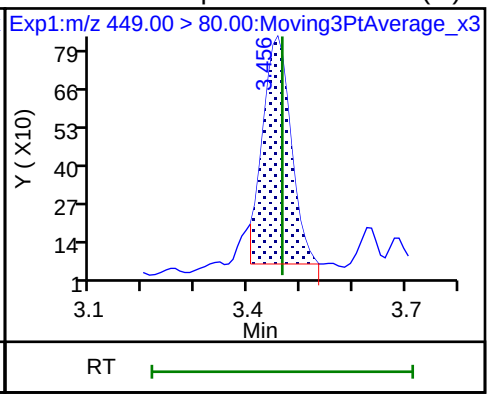
D 12 M2-6:2 FTS



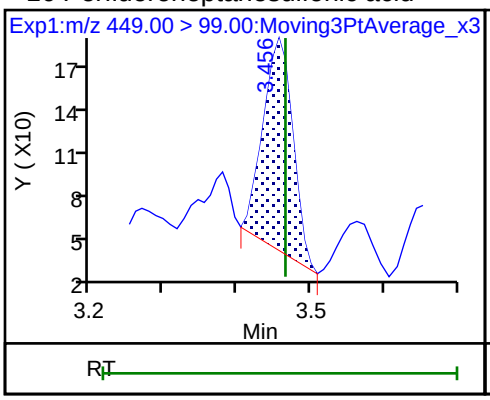
13 1H,1H,2H,2H-perfluorooctanesulfo



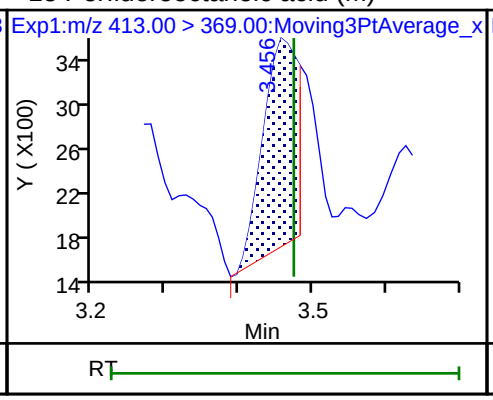
16 Perfluoroheptanesulfonic acid (M)



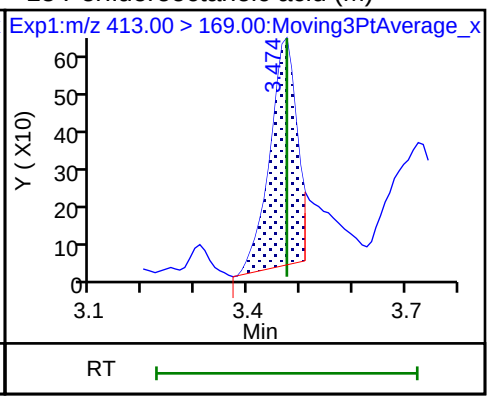
16 Perfluoroheptanesulfonic acid



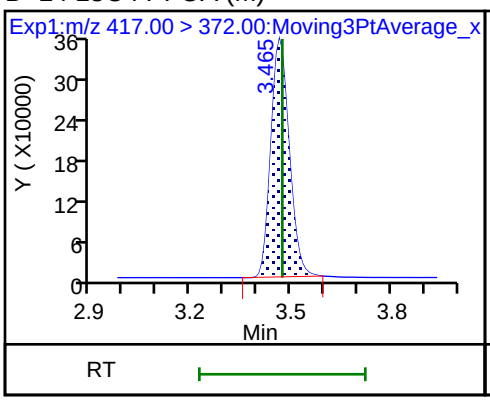
15 Perfluorooctanoic acid (M)



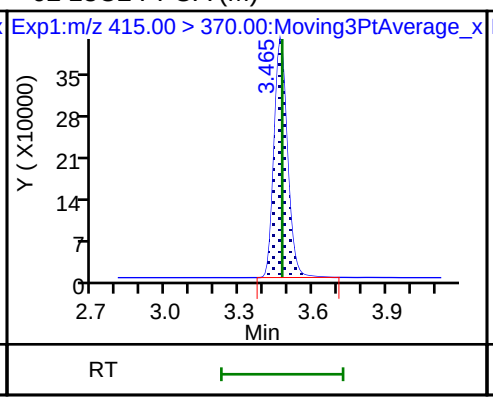
15 Perfluorooctanoic acid (M)



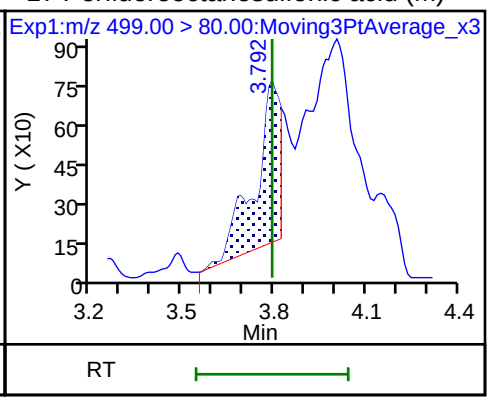
D 14 13C4 PFOA (M)



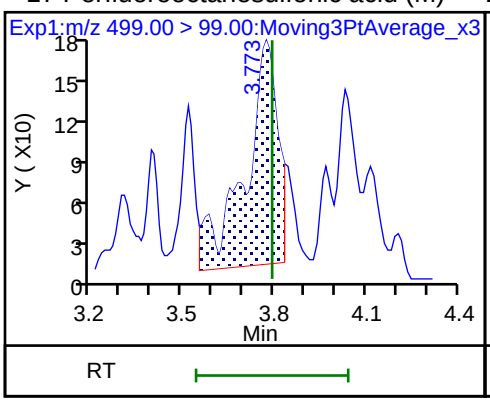
* 62 13C2 PFOA (M)



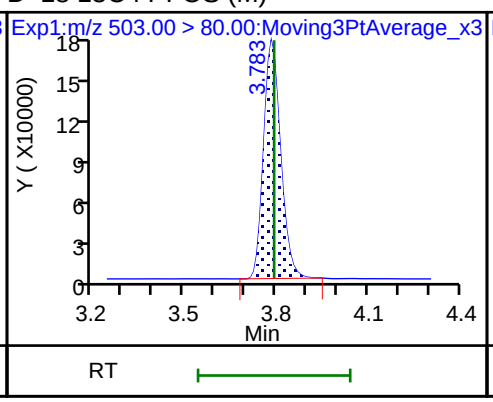
17 Perfluorooctanesulfonic acid (M)



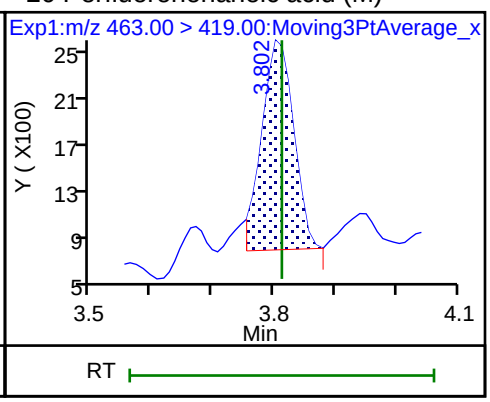
17 Perfluorooctanesulfonic acid (M)



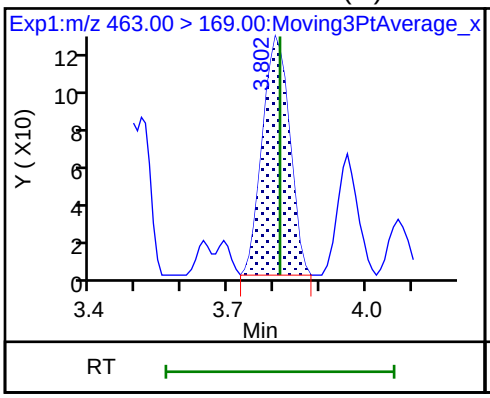
D 18 13C4 PFOS (M)



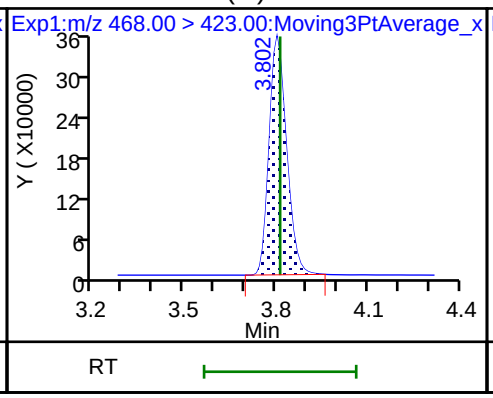
20 Perfluorononanoic acid (M)



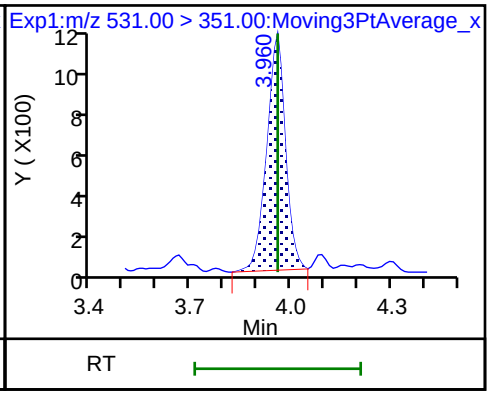
20 Perfluorononanoic acid (M)



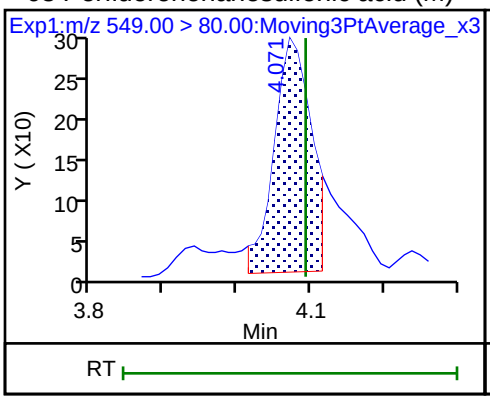
D 19 13C5 PFNA (M)



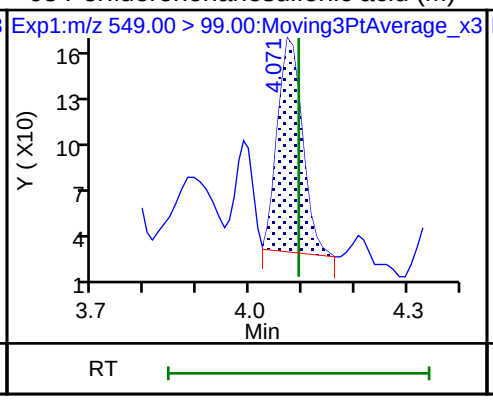
69 9-Chlorohexadecafluoro-3-oxanona (M)



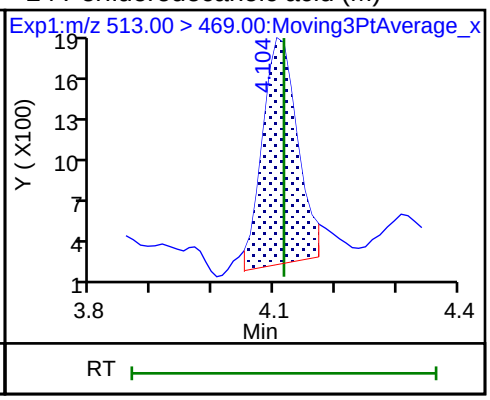
68 Perfluorononanesulfonic acid (M)



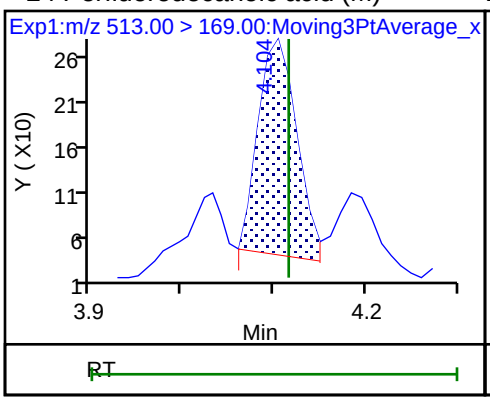
68 Perfluorononanesulfonic acid (M)



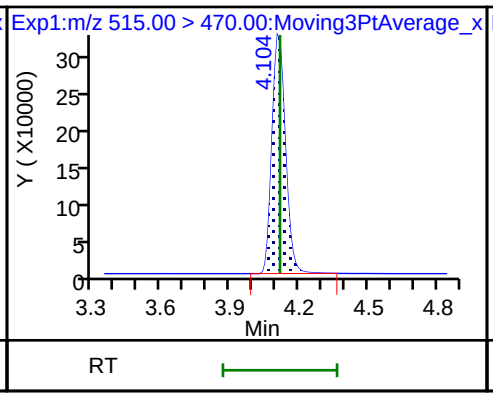
24 Perfluorodecanoic acid (M)



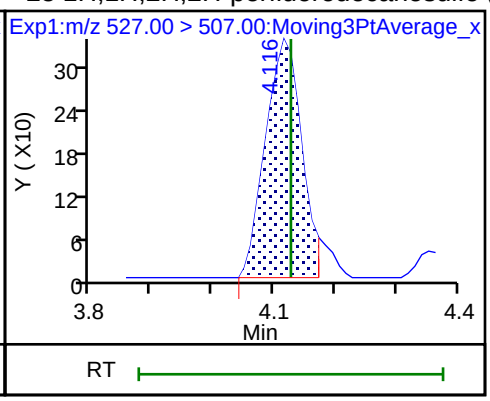
24 Perfluorodecanoic acid (M)



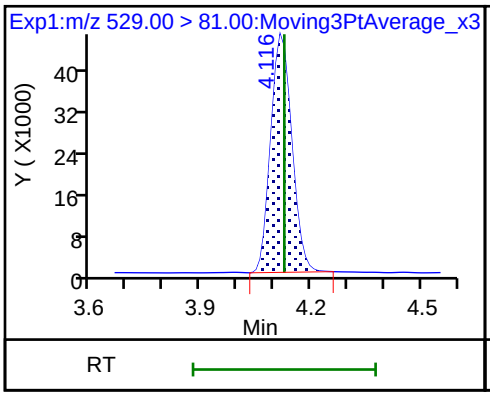
D 23 13C2 PFDA



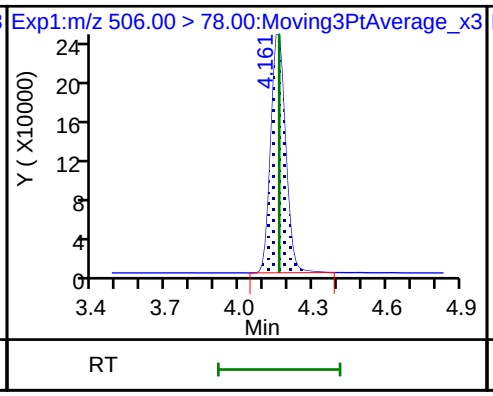
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



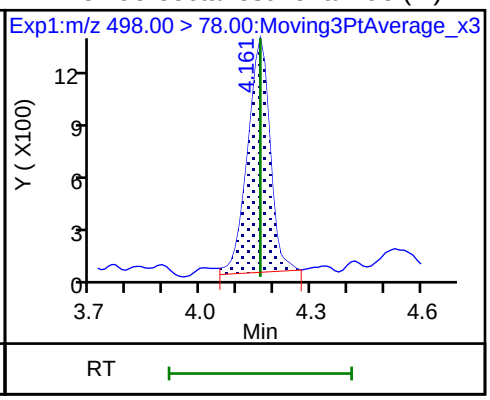
D 26 M2-8:2 FTS



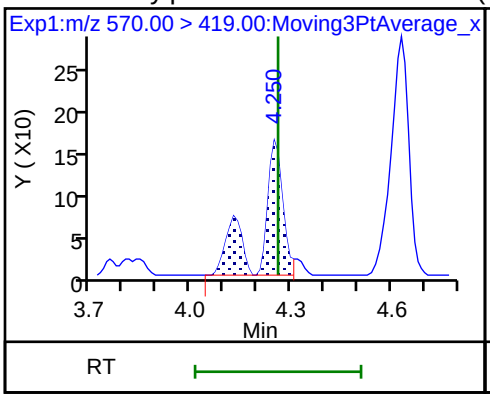
D 21 13C8 FOSA



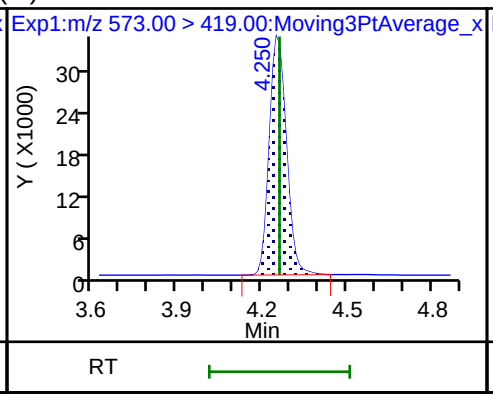
22 Perfluorooctanesulfonamide (M)



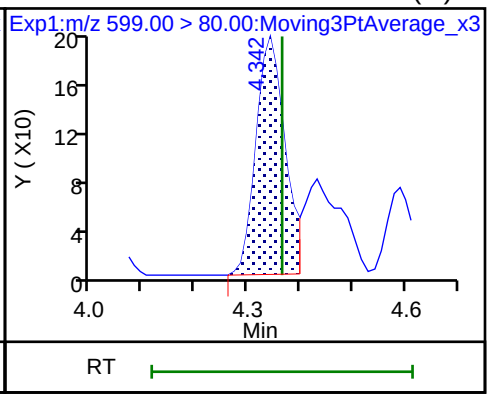
28 N-methylperfluorooctanesulfonami (M)



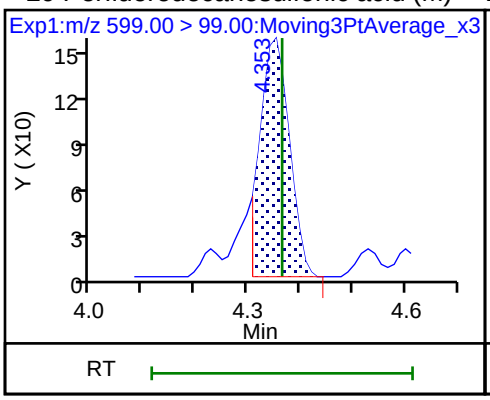
D 27 d3-NMeFOSAA



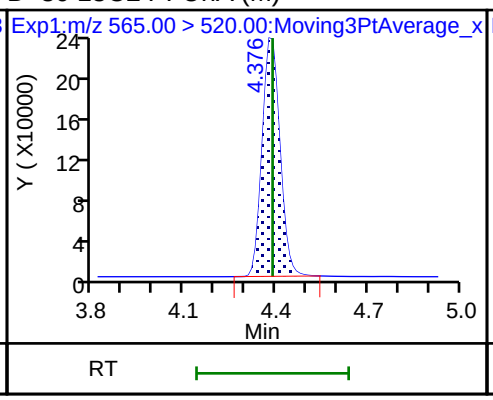
29 Perfluorodecanesulfonic acid (M)



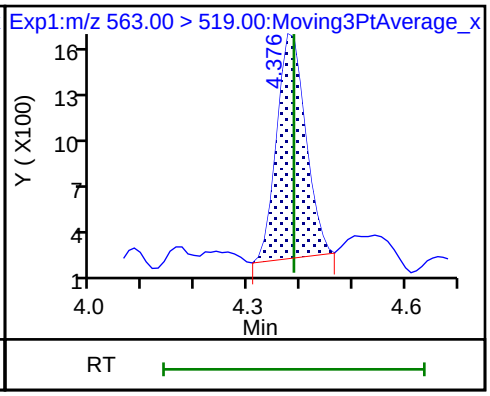
29 Perfluorodecanesulfonic acid (M)



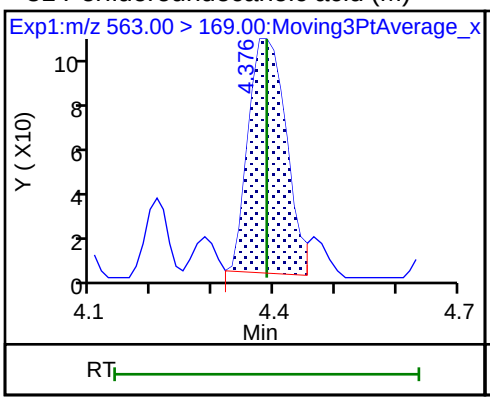
D 30 13C2 PFUnA (M)



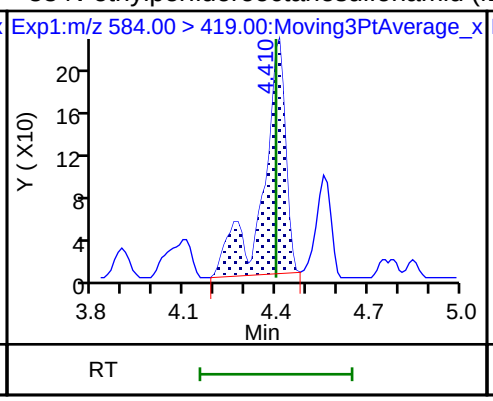
31 Perfluoroundecanoic acid



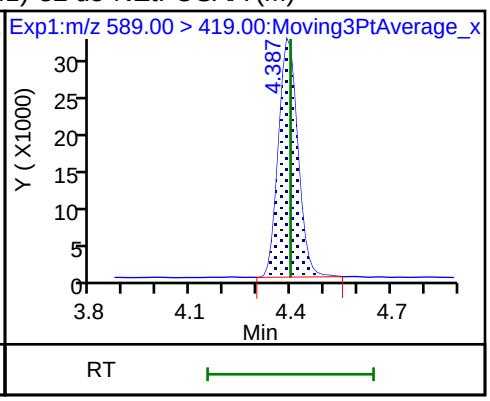
31 Perfluoroundecanoic acid (M)



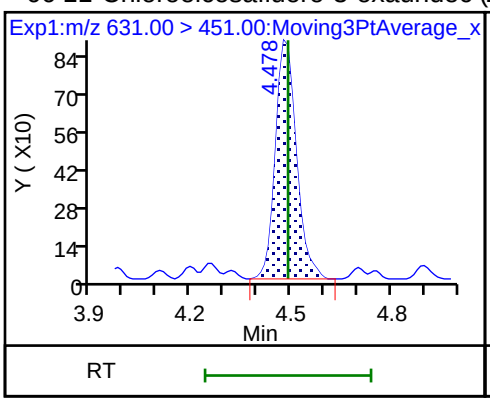
33 N-ethylperfluorooctanesulfonamid (M)



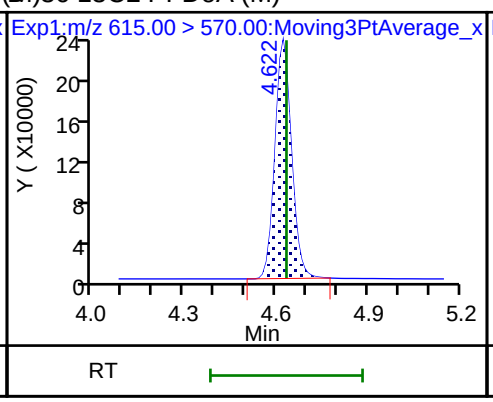
D 32 d5-NEtFOSAA (M)



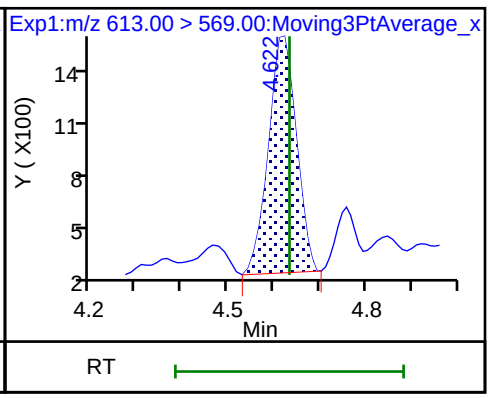
66 11-Chloroeicosafluoro-3-oxaundec (M)



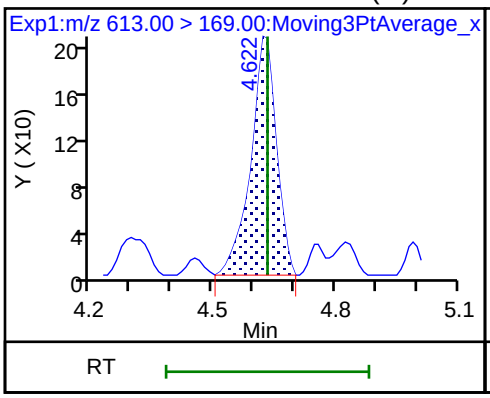
D 36 13C2 PFDoA (M)



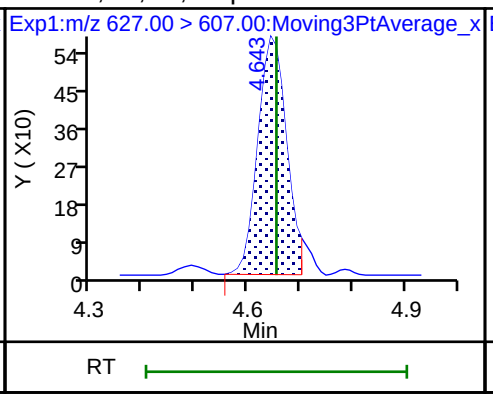
37 Perfluorododecanoic acid



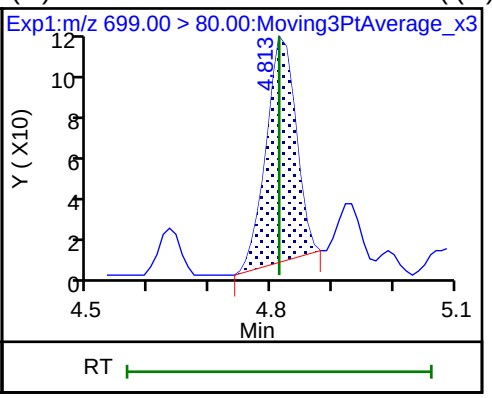
37 Perfluorododecanoic acid (M)



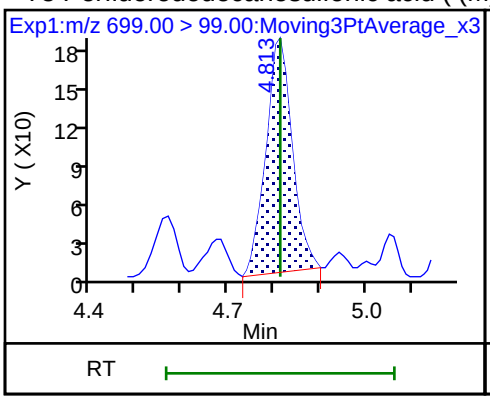
74 1H,1H,2H,2H-perfluorododecanesul (M)



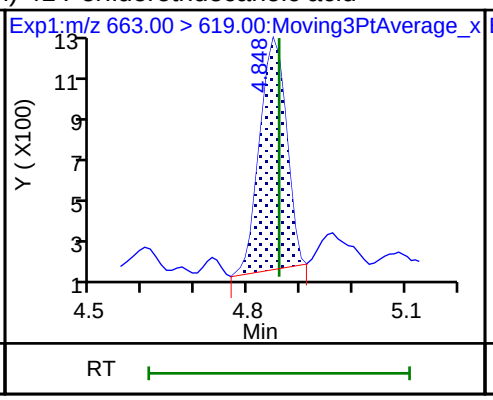
75 Perfluorododecanesulfonic acid ((M)



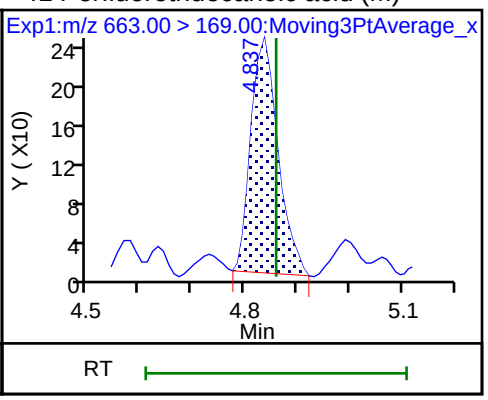
75 Perfluorododecanesulfonic acid ((M)



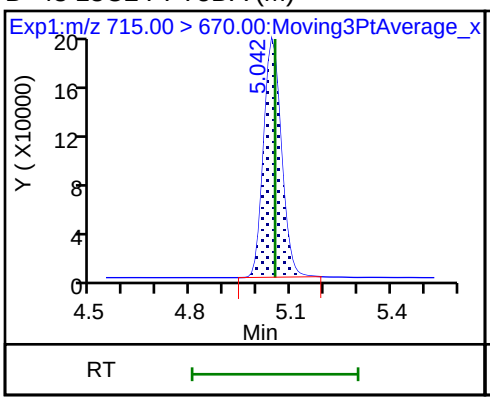
41 Perfluorotridecanoic acid



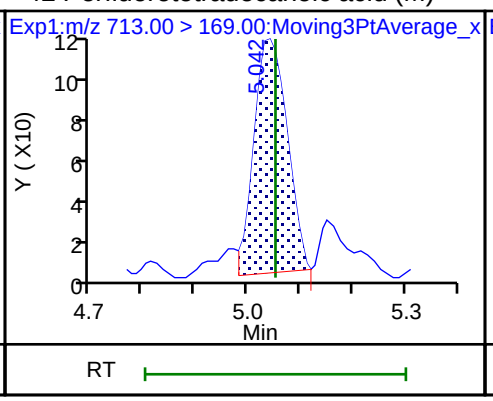
41 Perfluorotridecanoic acid (M)



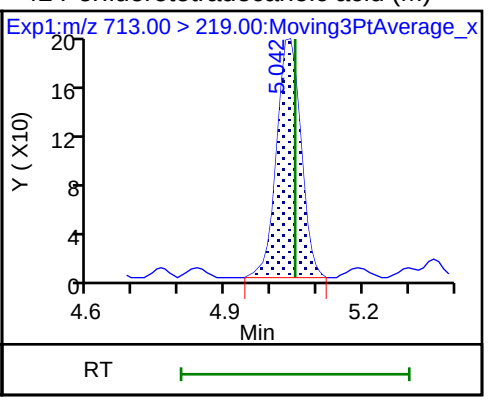
D 43 13C2 PFTeDA (M)



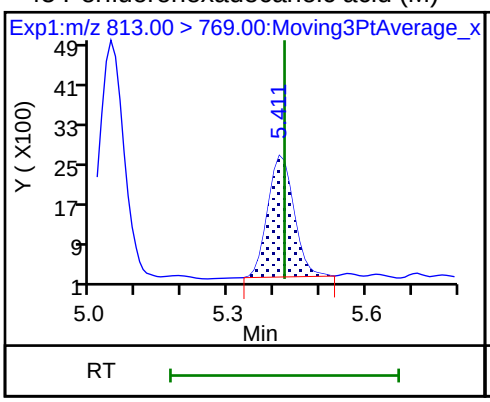
42 Perfluorotetradecanoic acid (M)



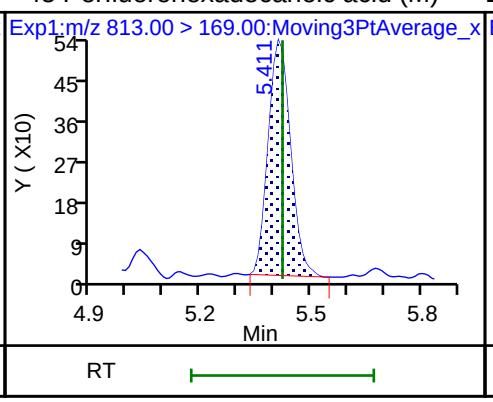
42 Perfluorotetradecanoic acid (M)



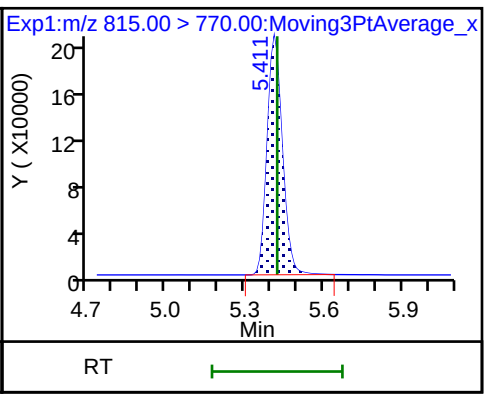
45 Perfluorohexadecanoic acid (M)



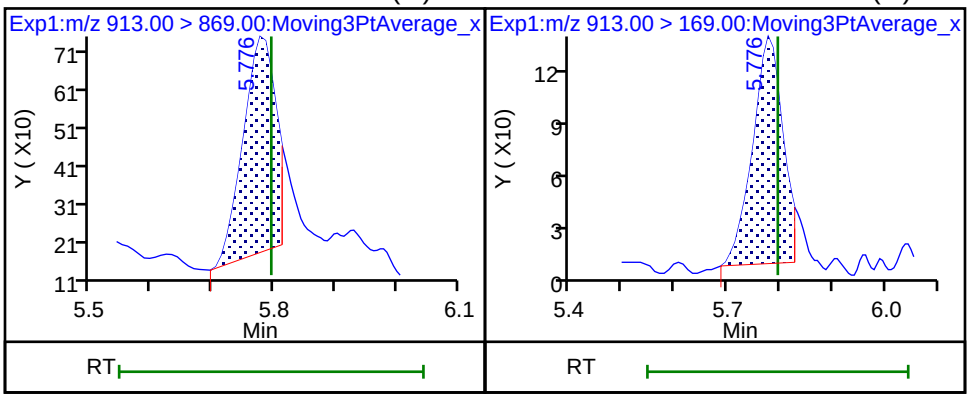
45 Perfluorohexadecanoic acid (M)



D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M) 46 Perfluorooctadecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins Burlington

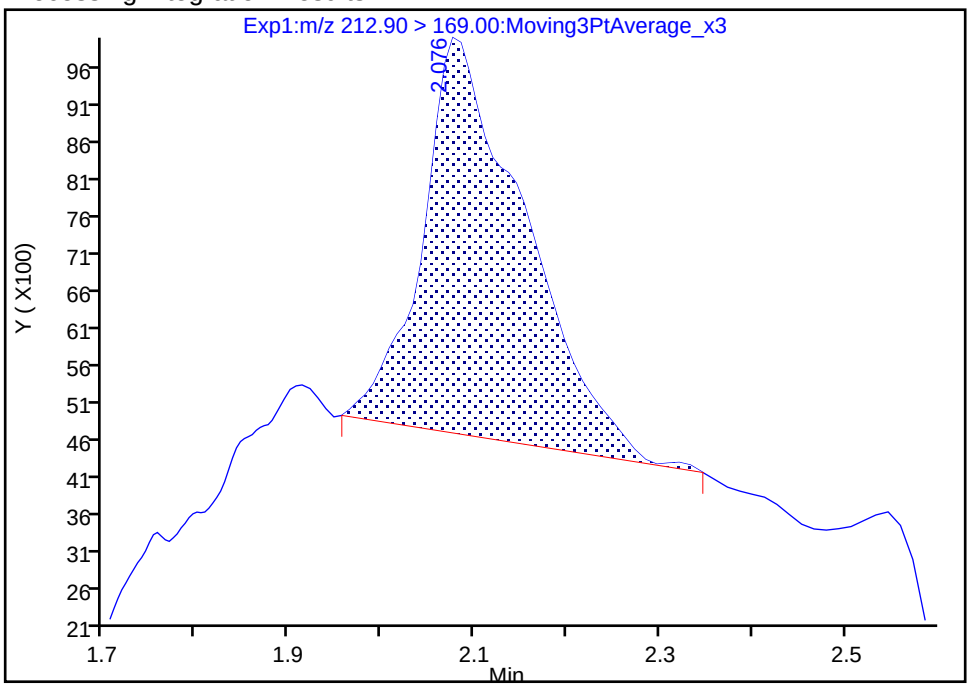
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Injection Date: 04-Aug-2022 14:09:19 Instrument ID: LC812
Lims ID: MB 200-182317/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

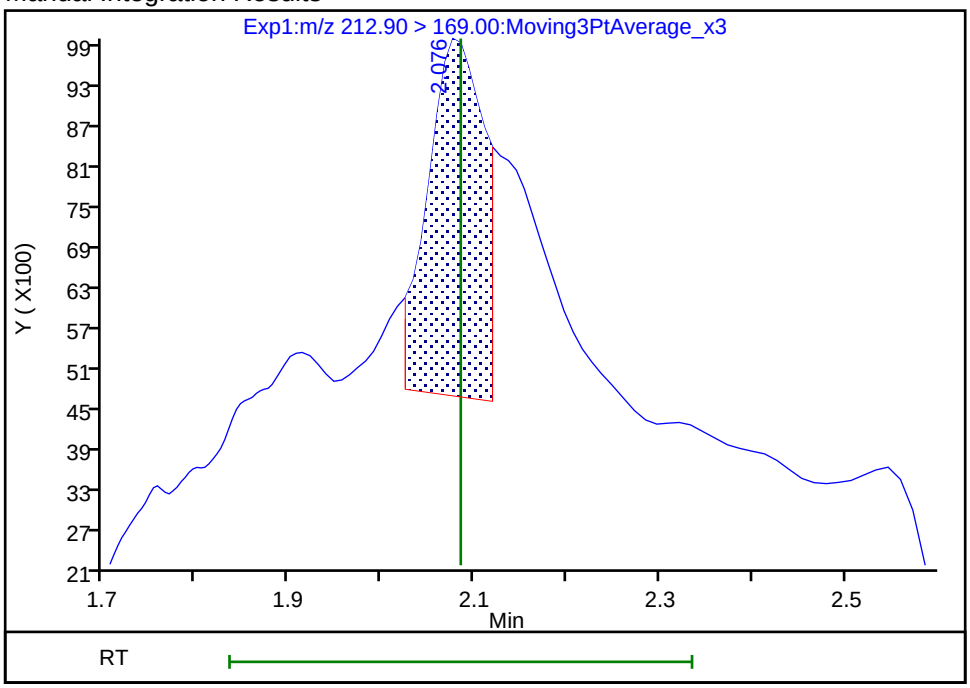
Processing Integration Results

RT: 2.08
Area: 41267
Amount: 0.030297
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 21895
Amount: 0.016108
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:19:37
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

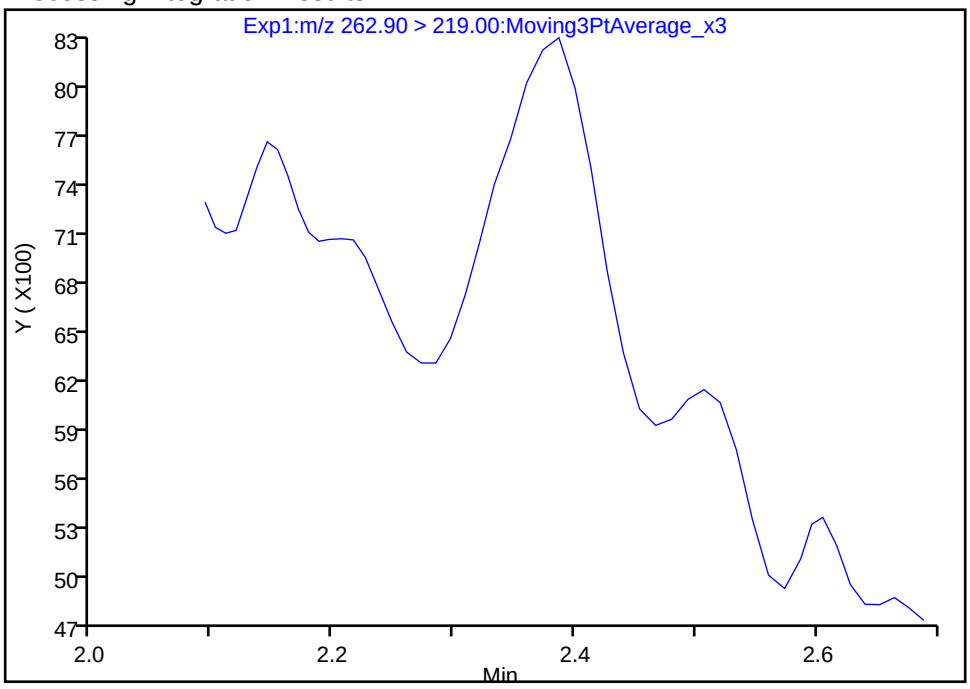
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Injection Date: 04-Aug-2022 14:09:19 Instrument ID: LC812
Lims ID: MB 200-182317/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

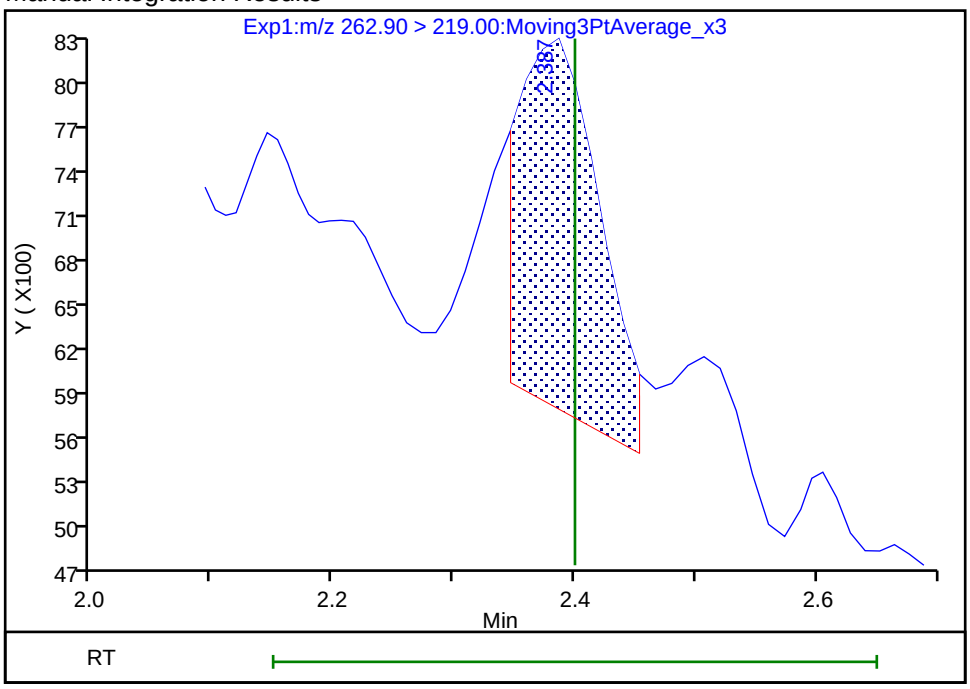
Not Detected
Expected RT: 2.40

Processing Integration Results



Manual Integration Results

RT: 2.39
Area: 11151
Amount: 0.009831
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 11:54:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

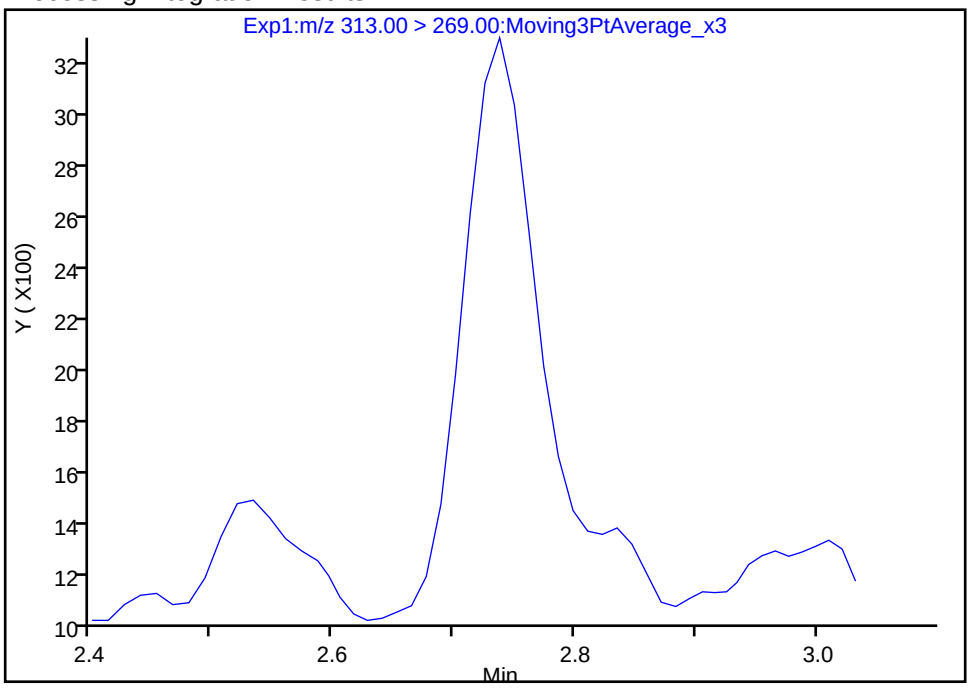
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d				
Injection Date:	04-Aug-2022 14:09:19	Instrument ID:	LC812		
Lims ID:	MB 200-182317/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

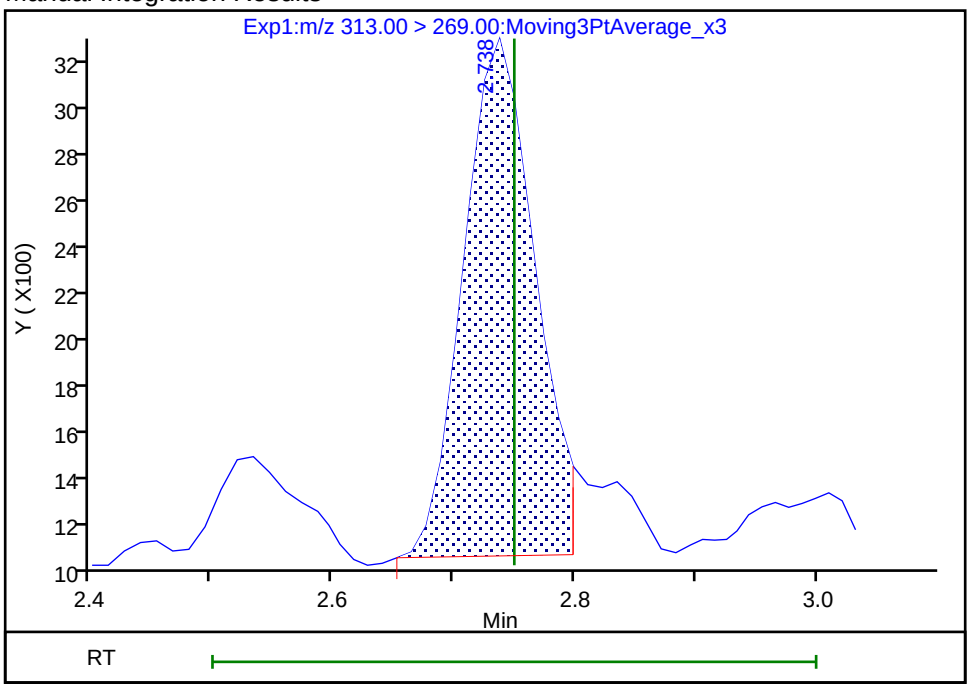
Not Detected
Expected RT: 2.75

Processing Integration Results



Manual Integration Results

RT: 2.74
Area: 8771
Amount: 0.007651
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:20:24
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

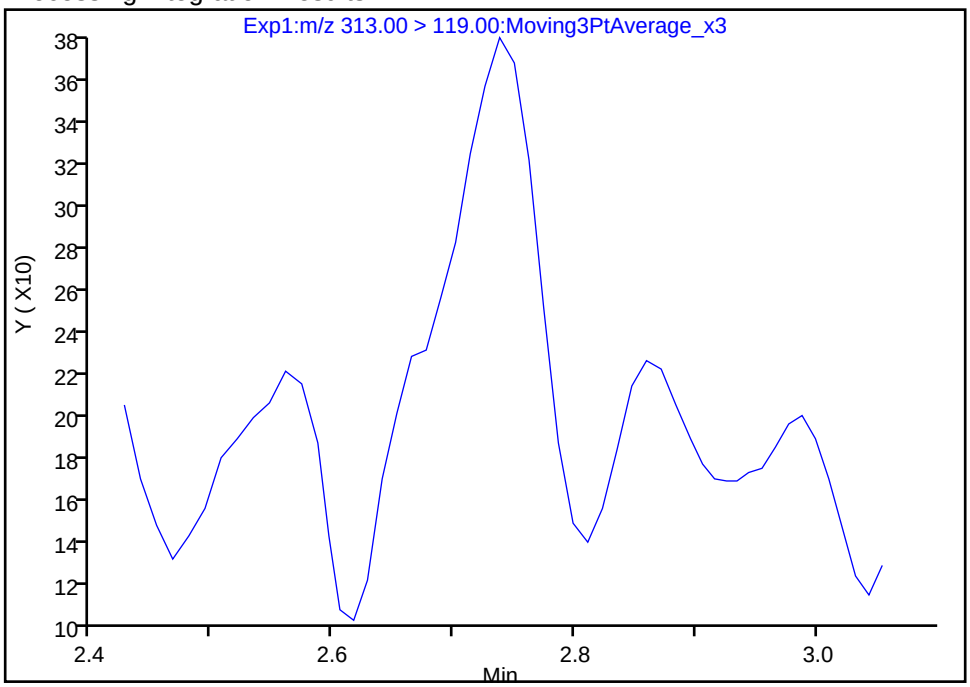
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d
Injection Date: 04-Aug-2022 14:09:19 Instrument ID: LC812
Lims ID: MB 200-182317/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

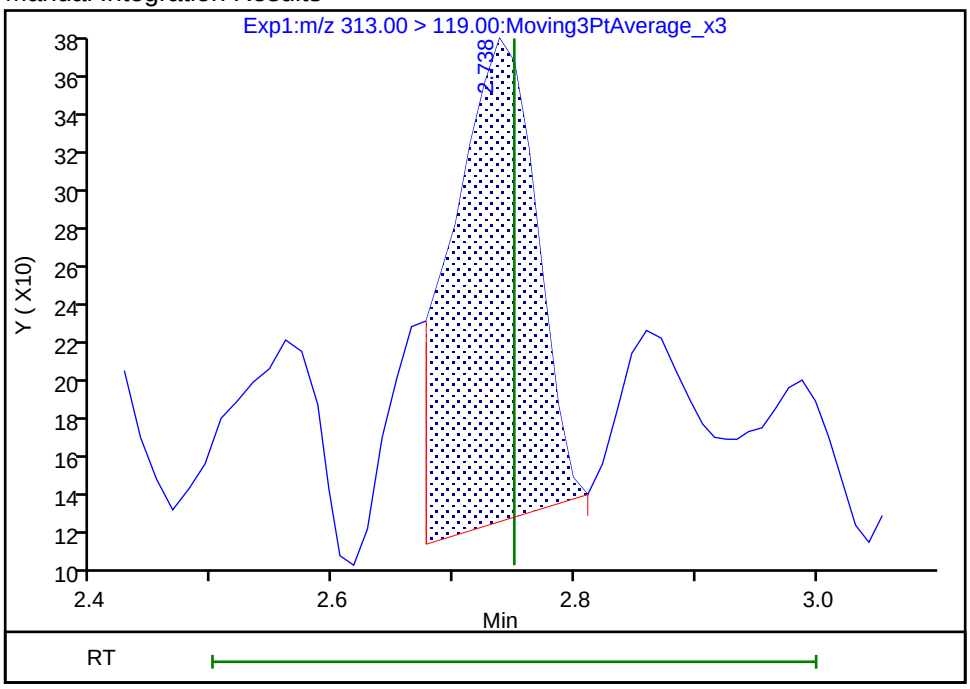
Not Detected
Expected RT: 2.75

Processing Integration Results



Manual Integration Results

RT: 2.74
Area: 1211
Amount: 0.007651
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:20:27
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

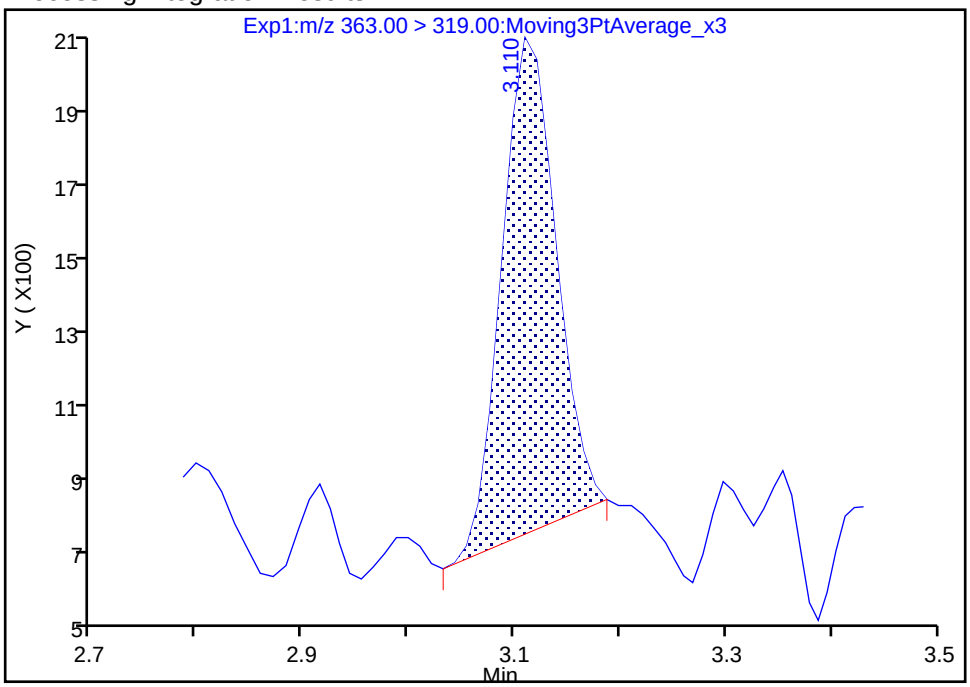
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d
Injection Date: 04-Aug-2022 14:09:19 Instrument ID: LC812
Lims ID: MB 200-182317/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

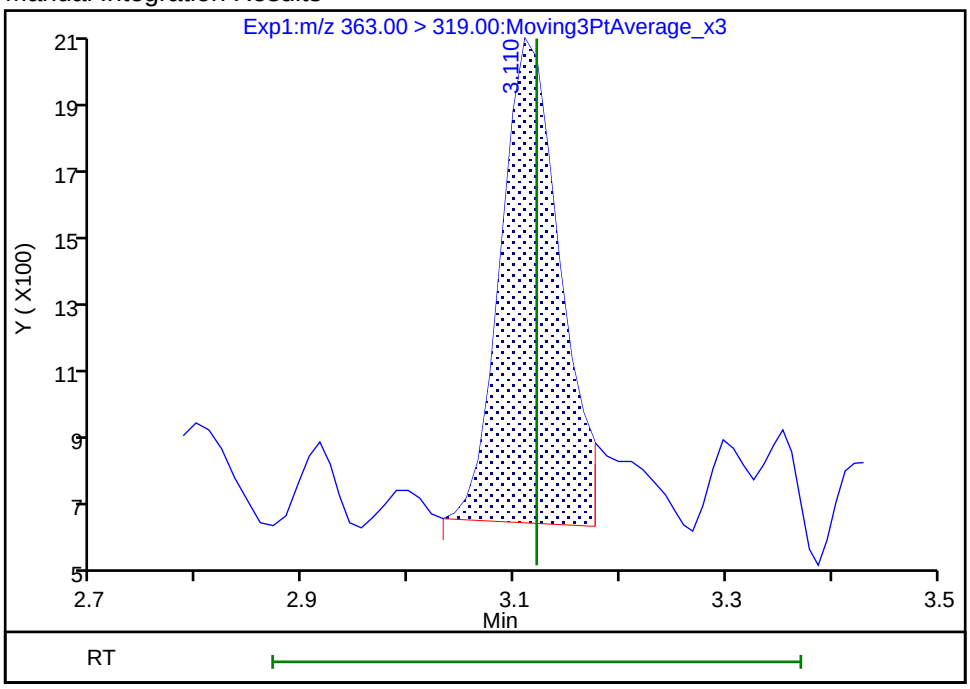
Processing Integration Results

RT: 3.11
Area: 4355
Amount: 0.003748
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 5115
Amount: 0.004433
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:21:29
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

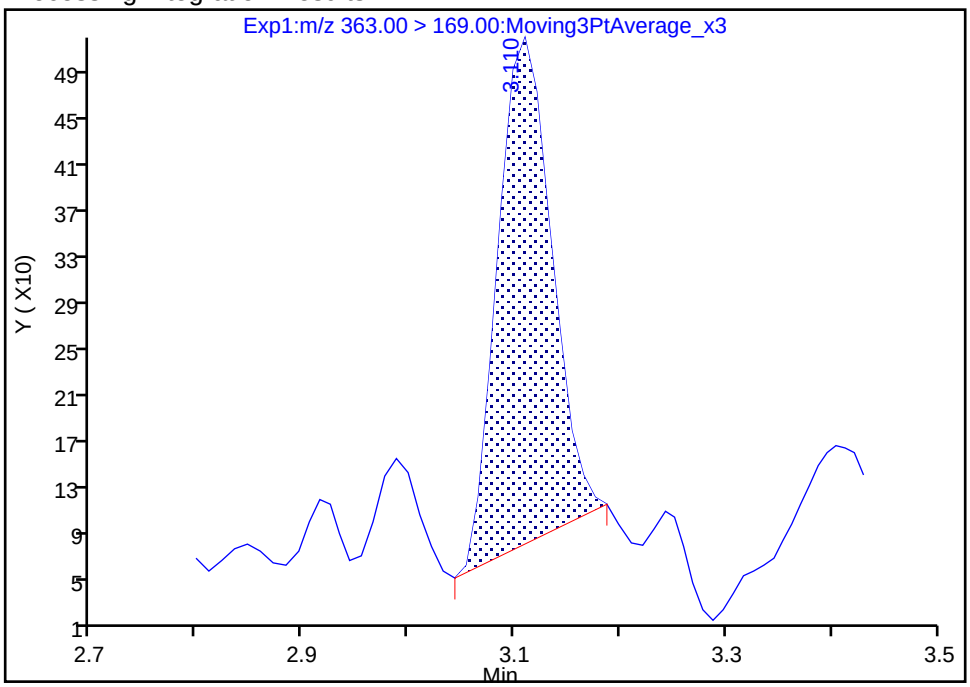
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Injection Date: 04-Aug-2022 14:09:19 Instrument ID: LC812
Lims ID: MB 200-182317/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

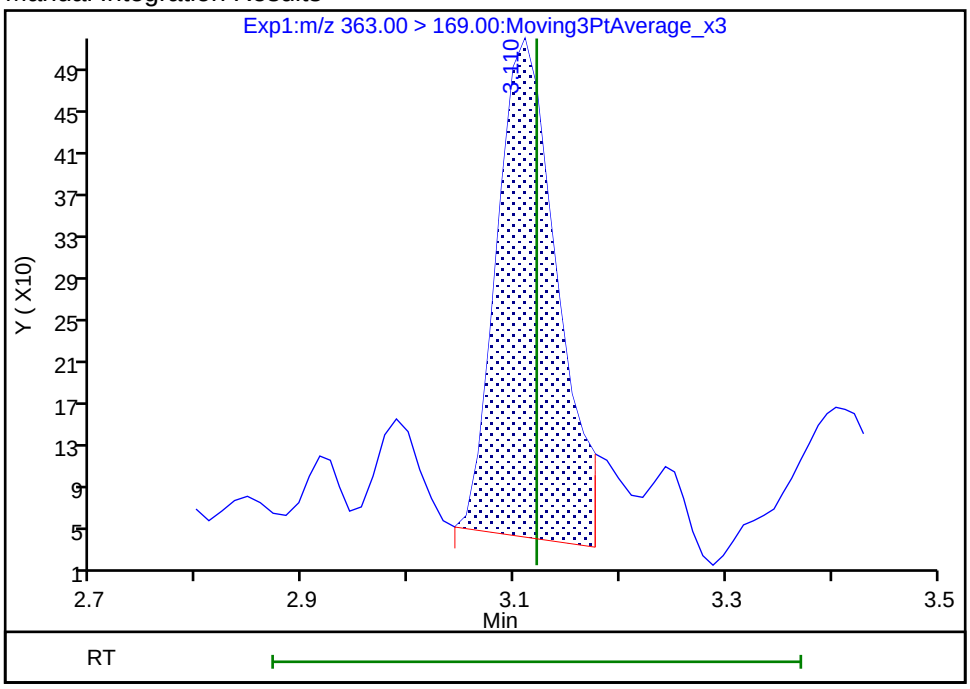
Processing Integration Results

RT: 3.11
Area: 1540
Amount: 0.003748
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 1843
Amount: 0.004433
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:21:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

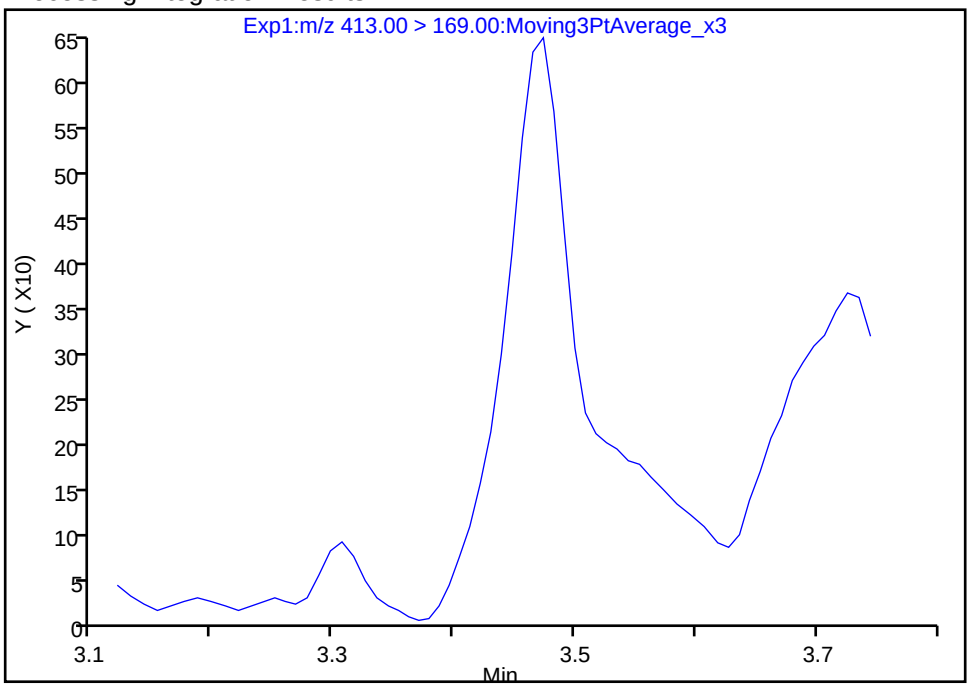
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Injection Date: 04-Aug-2022 14:09:19 Instrument ID: LC812
Lims ID: MB 200-182317/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

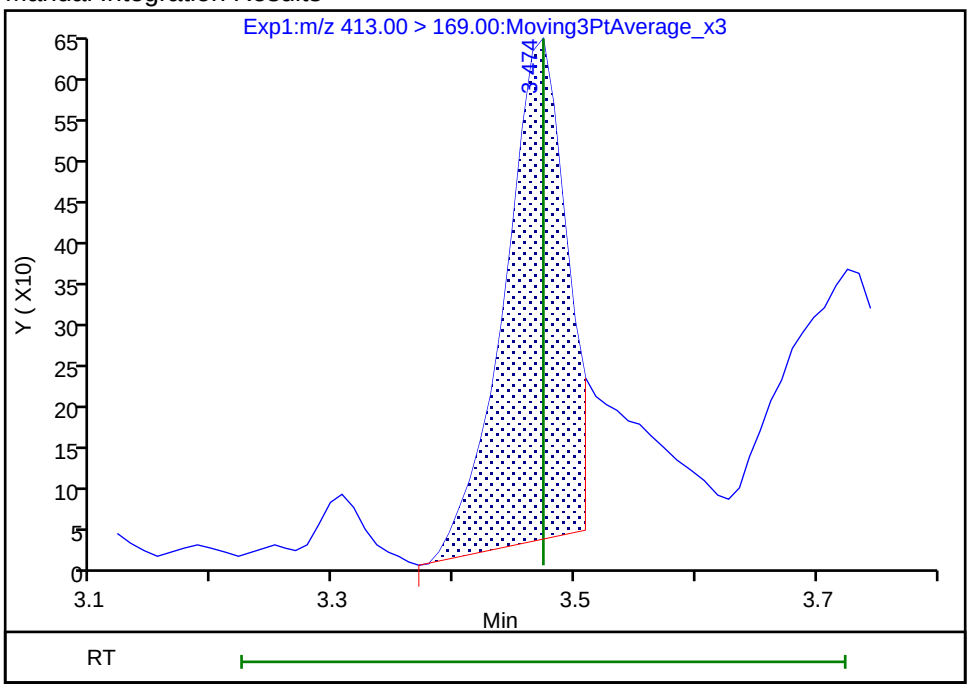
Not Detected
Expected RT: 3.47

Processing Integration Results



Manual Integration Results

RT: 3.47
Area: 2179
Amount: 0.004750
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:22:02
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

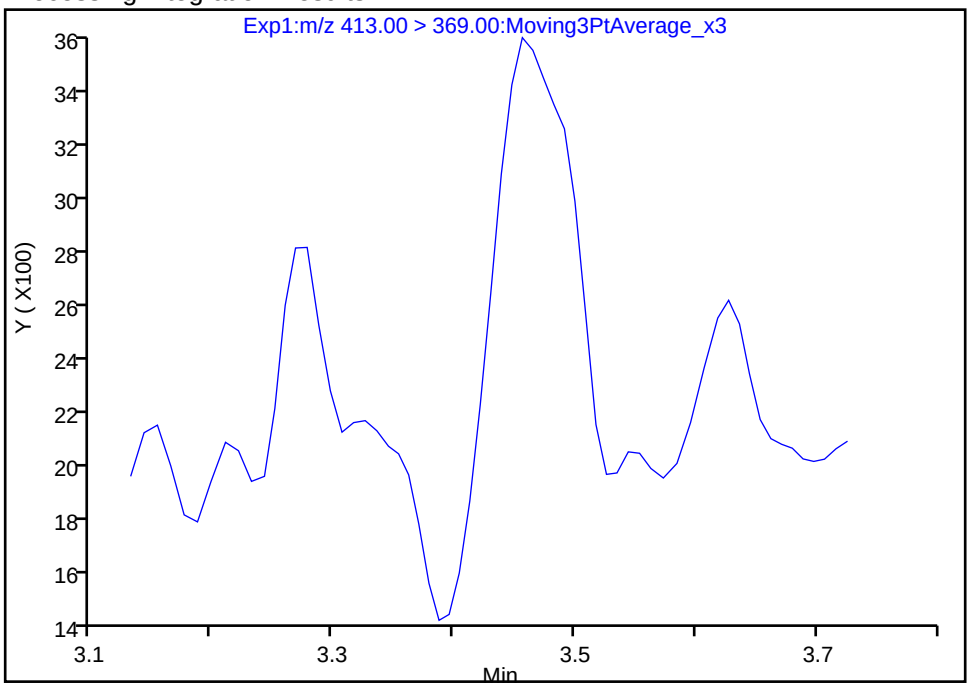
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d
Injection Date: 04-Aug-2022 14:09:19 Instrument ID: LC812
Lims ID: MB 200-182317/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

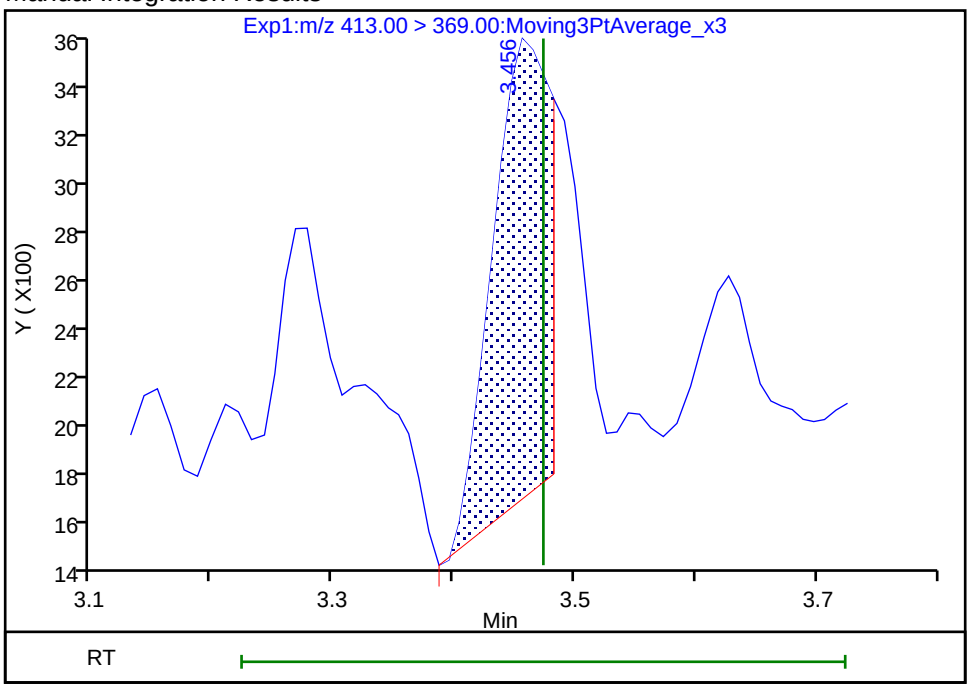
Not Detected
Expected RT: 3.47

Processing Integration Results



Manual Integration Results

RT: 3.46
Area: 5756
Amount: 0.004750
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:22:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

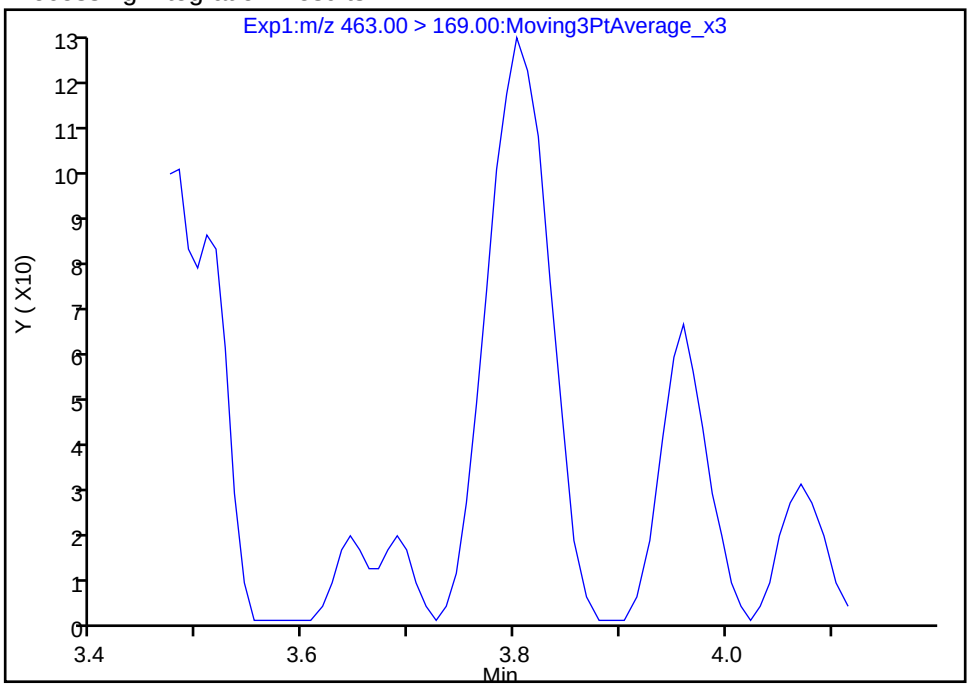
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d
Injection Date: 04-Aug-2022 14:09:19 Instrument ID: LC812
Lims ID: MB 200-182317/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

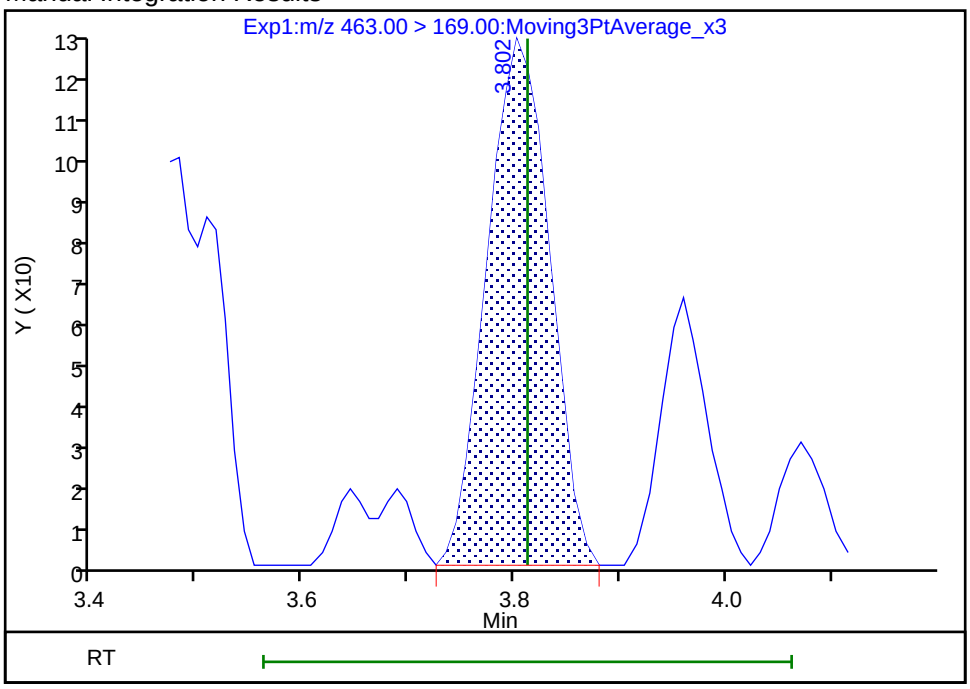
Not Detected
Expected RT: 3.81

Processing Integration Results



Manual Integration Results

RT: 3.80
Area: 512
Amount: 0.005692
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:22:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

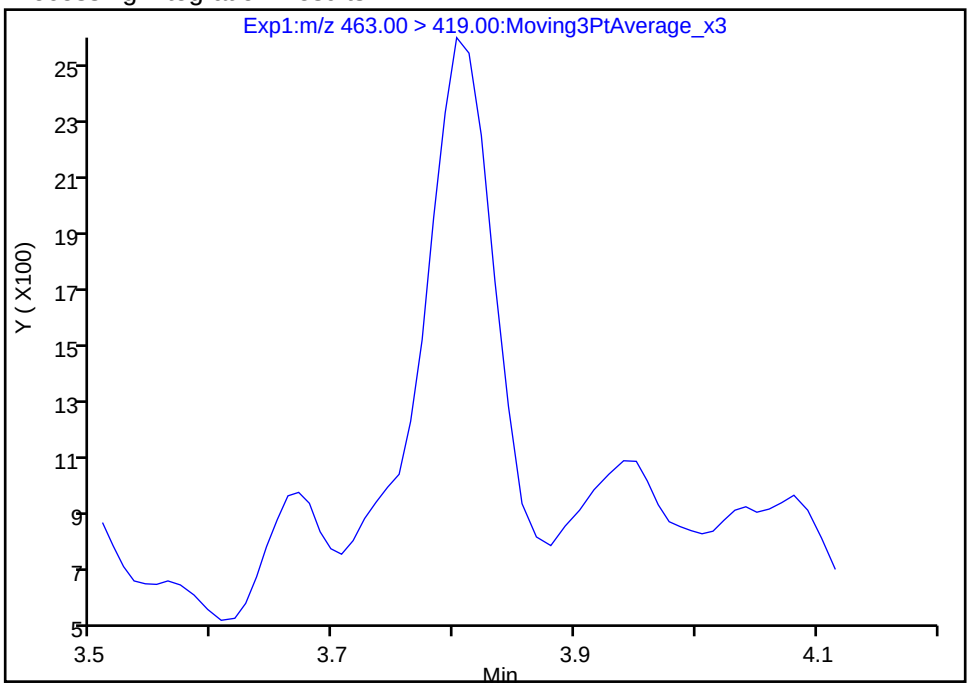
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Injection Date:	04-Aug-2022 14:09:19	Instrument ID:	LC812		
Lims ID:	MB 200-182317/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 1

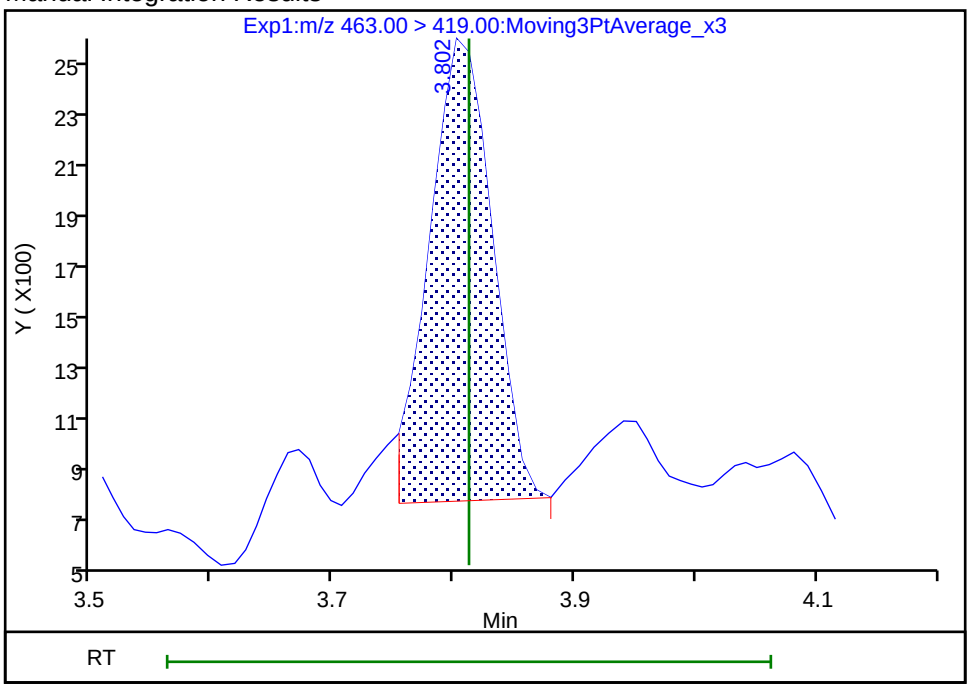
Not Detected
Expected RT: 3.81

Processing Integration Results



Manual Integration Results

RT: 3.80
Area: 6408
Amount: 0.005692
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:22:39
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

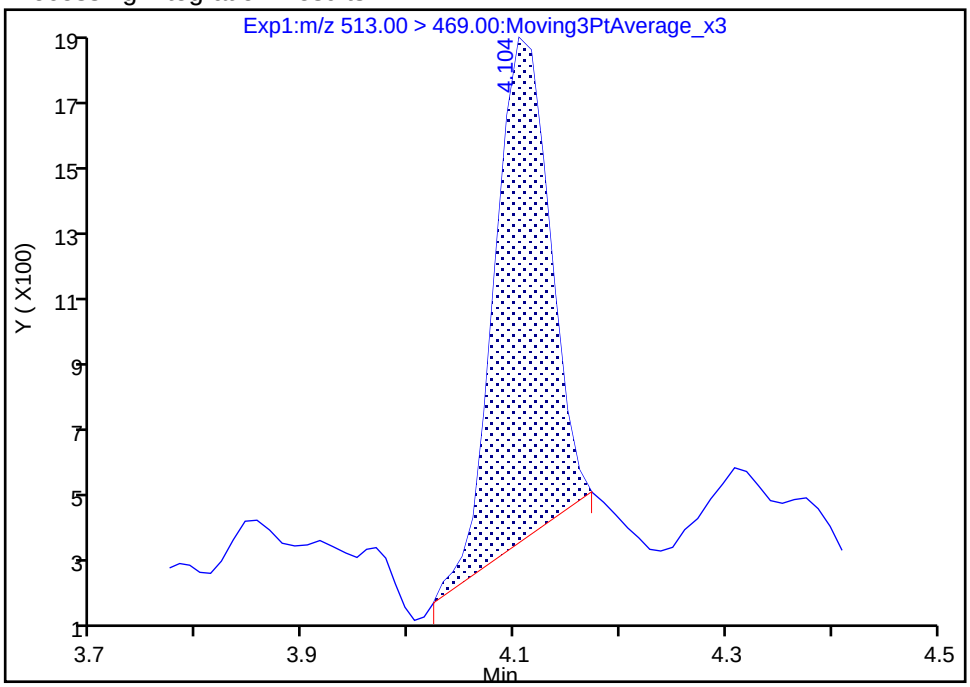
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d
Injection Date: 04-Aug-2022 14:09:19 Instrument ID: LC812
Lims ID: MB 200-182317/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

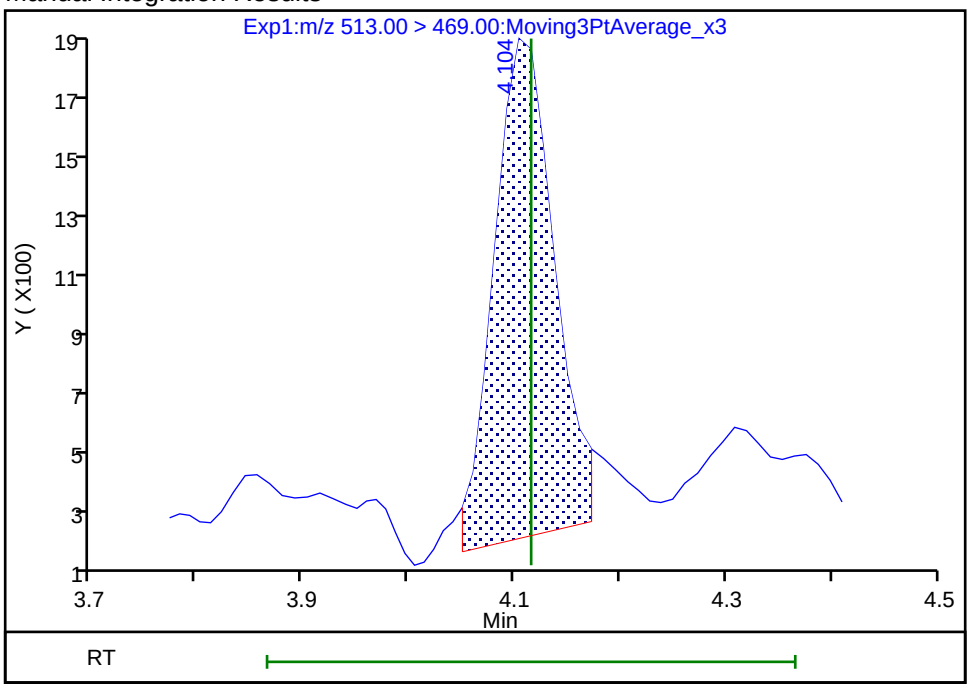
Processing Integration Results

RT: 4.10
Area: 5395
Amount: 0.004874
Amount Units: ng/ml



Manual Integration Results

RT: 4.10
Area: 6439
Amount: 0.005817
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:23:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

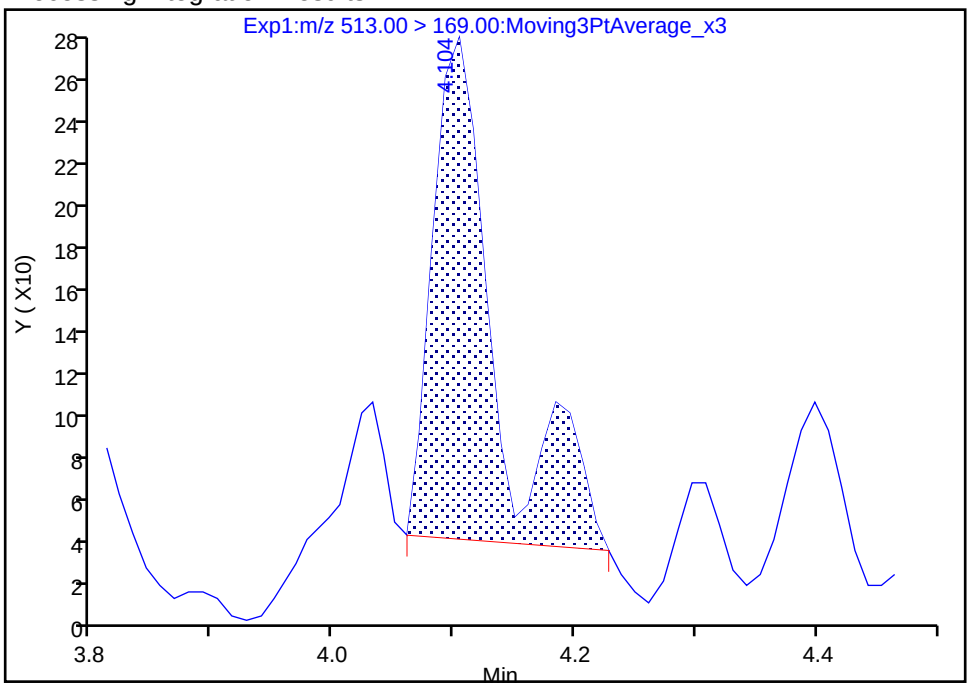
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d
Injection Date: 04-Aug-2022 14:09:19 Instrument ID: LC812
Lims ID: MB 200-182317/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

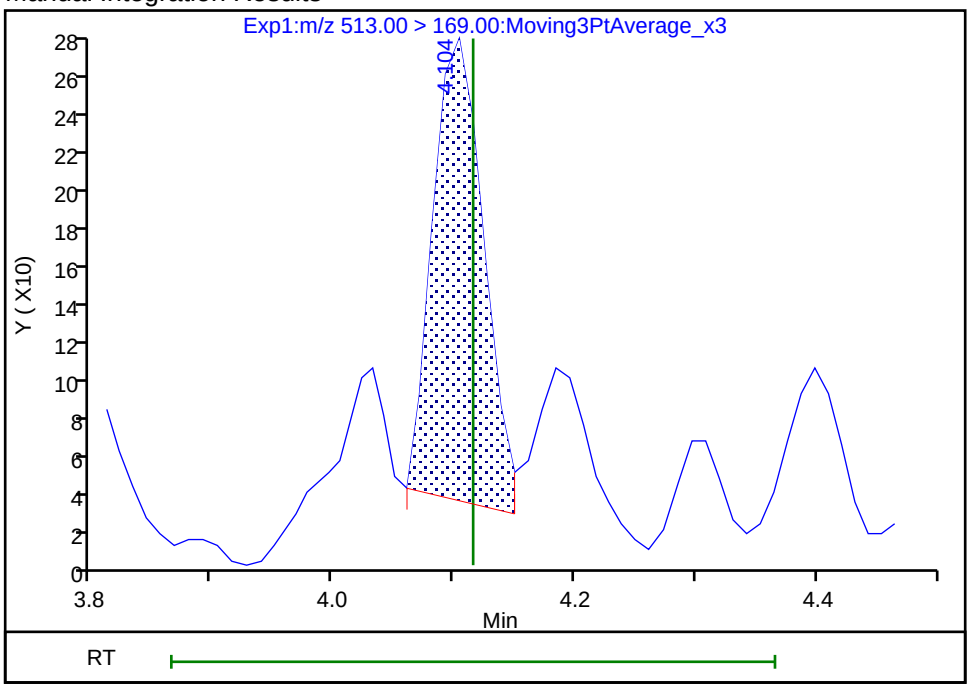
Processing Integration Results

RT: 4.10
Area: 825
Amount: 0.004874
Amount Units: ng/ml



Manual Integration Results

RT: 4.10
Area: 682
Amount: 0.005817
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:23:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

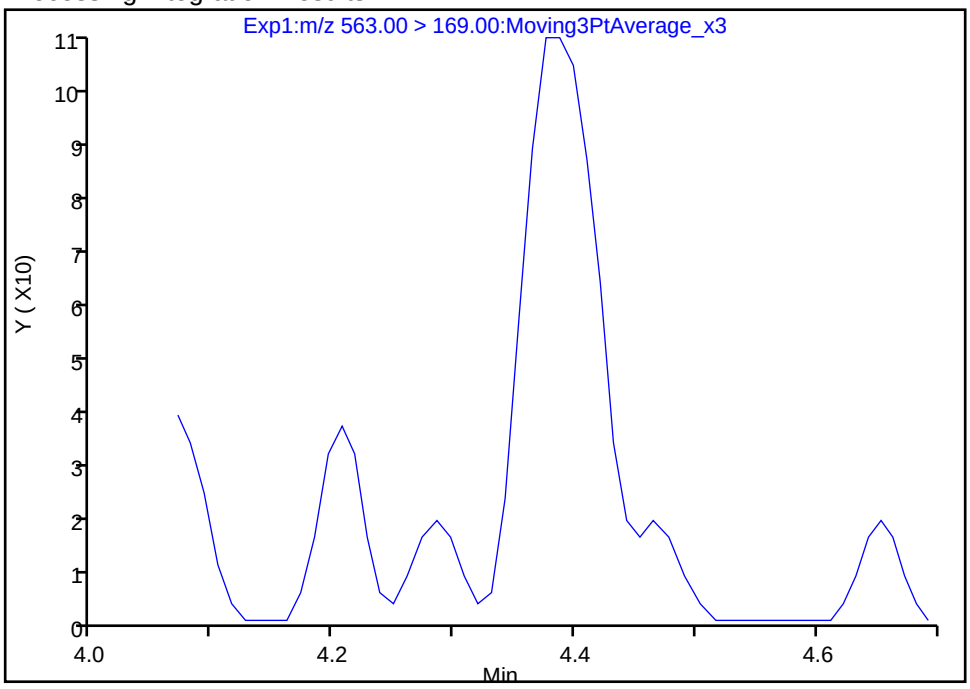
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d				
Injection Date:	04-Aug-2022 14:09:19	Instrument ID:	LC812		
Lims ID:	MB 200-182317/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

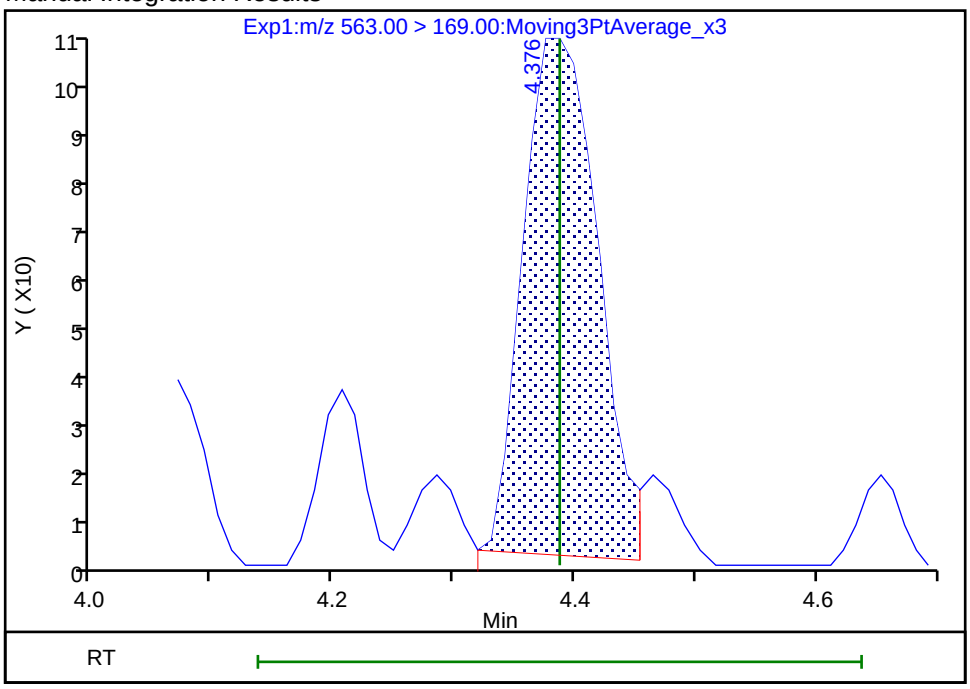
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.38
Area: 440
Amount: 0.006670
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:24:18
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

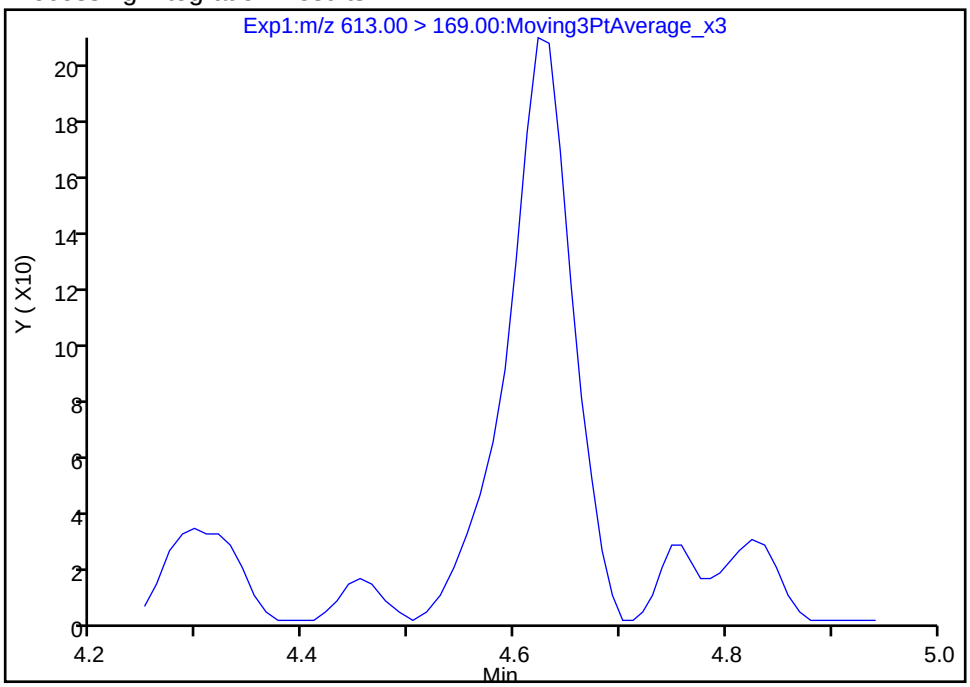
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d				
Injection Date:	04-Aug-2022 14:09:19	Instrument ID:	LC812		
Lims ID:	MB 200-182317/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

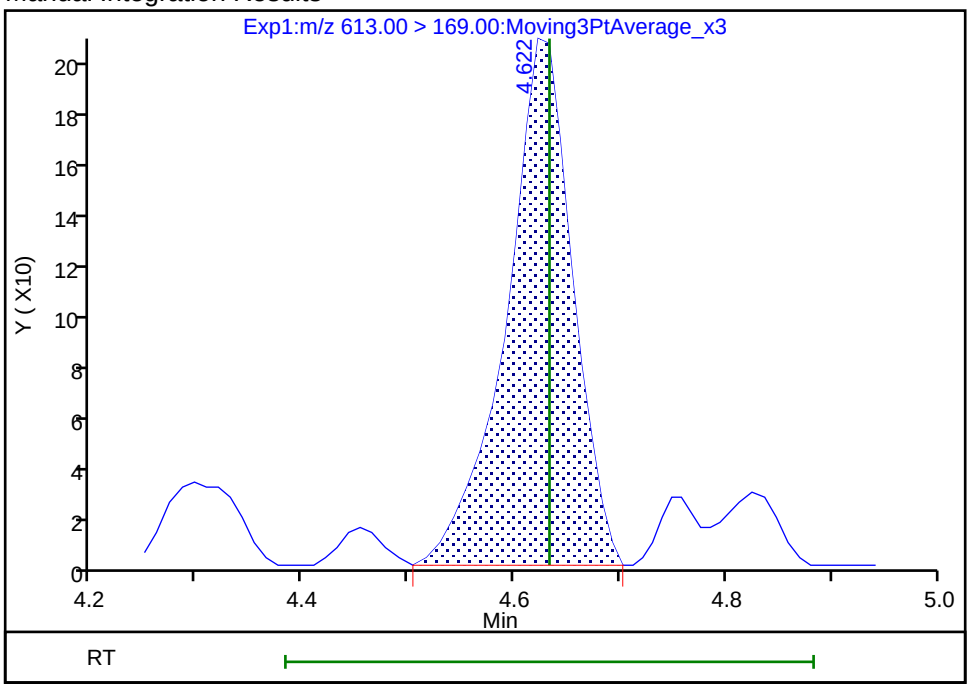
Not Detected
Expected RT: 4.63

Processing Integration Results



RT: 4.62
Area: 909
Amount: 0.008095
Amount Units: ng/ml

Manual Integration Results



Reviewer: nampitakw, 05-Aug-2022 10:24:42
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

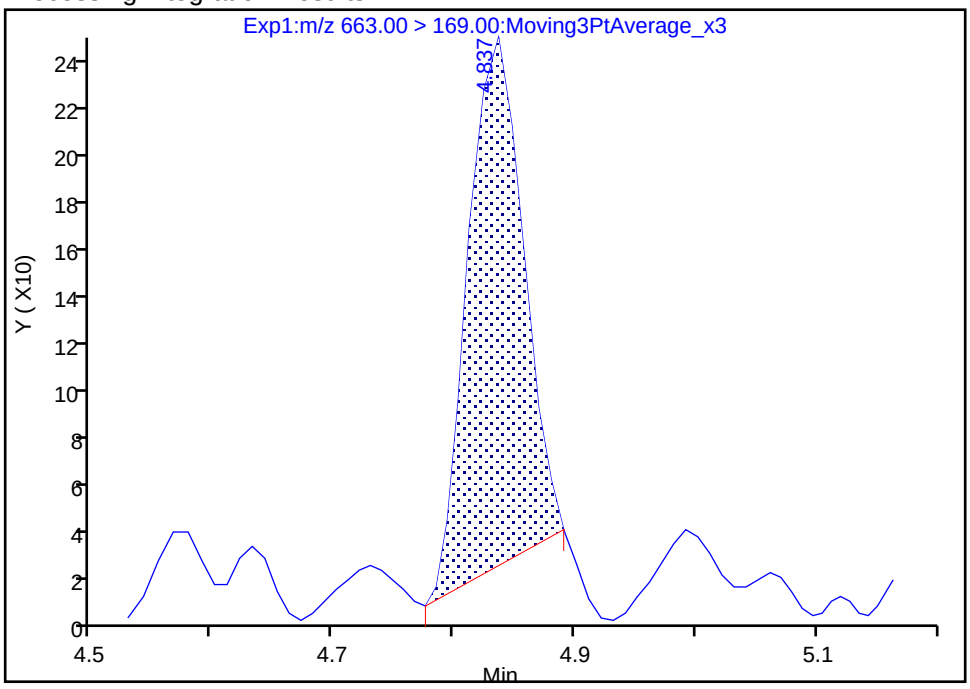
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d
Injection Date: 04-Aug-2022 14:09:19 Instrument ID: LC812
Lims ID: MB 200-182317/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

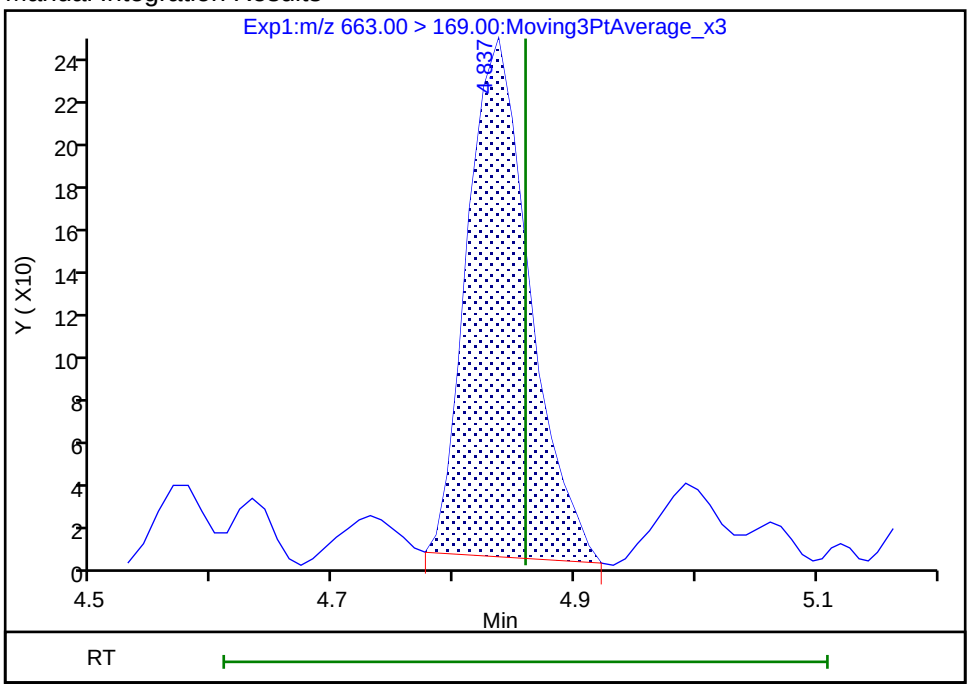
Processing Integration Results

RT: 4.84
Area: 708
Amount: 0.006083
Amount Units: ng/ml



Manual Integration Results

RT: 4.84
Area: 861
Amount: 0.006118
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:25:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

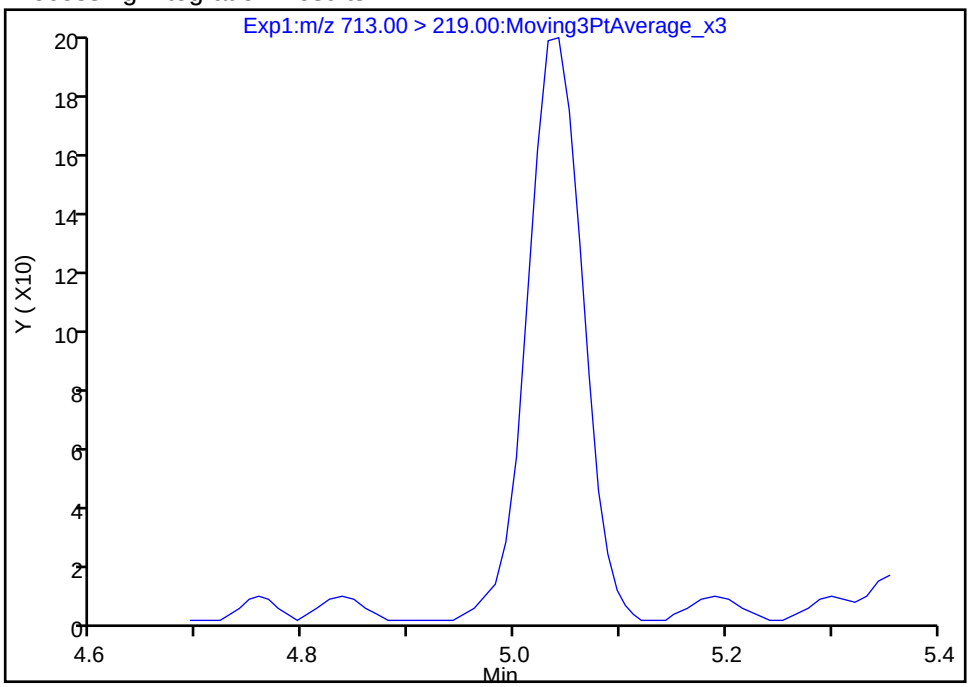
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d				
Injection Date:	04-Aug-2022 14:09:19	Instrument ID:	LC812		
Lims ID:	MB 200-182317/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

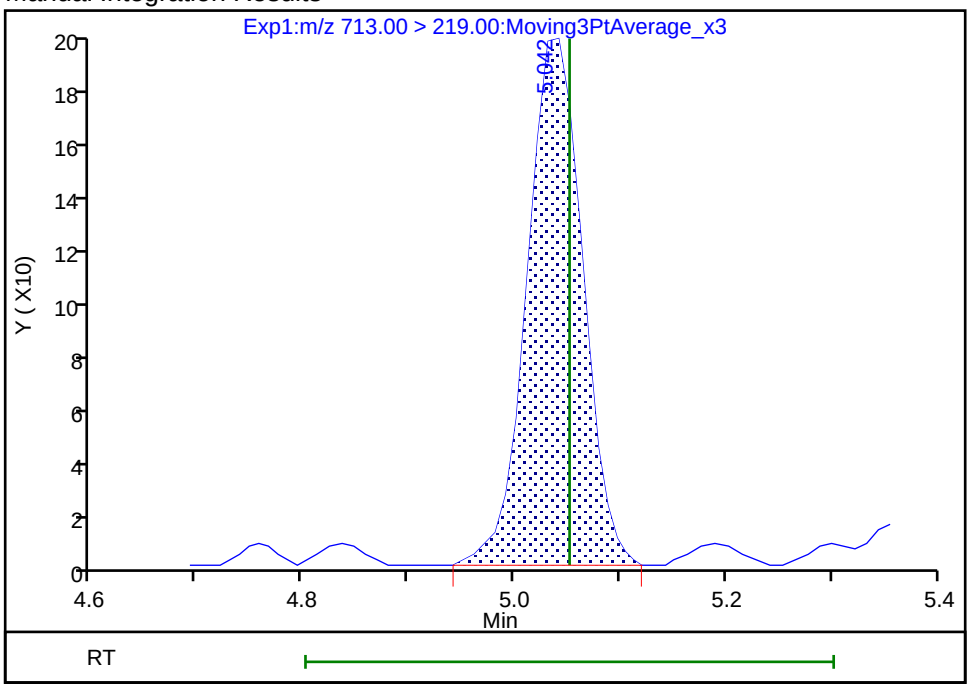
Processing Integration Results

Not Detected
Expected RT: 5.05



Manual Integration Results

RT: 5.04
Area: 708
Amount: 0.005393
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:25:20
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

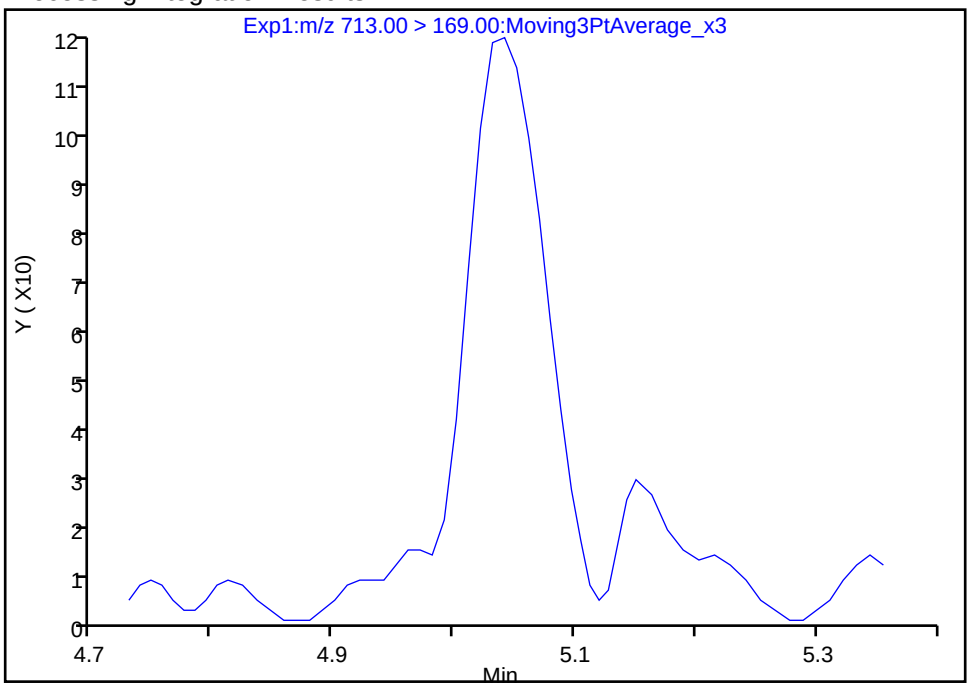
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d				
Injection Date:	04-Aug-2022 14:09:19	Instrument ID:	LC812		
Lims ID:	MB 200-182317/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

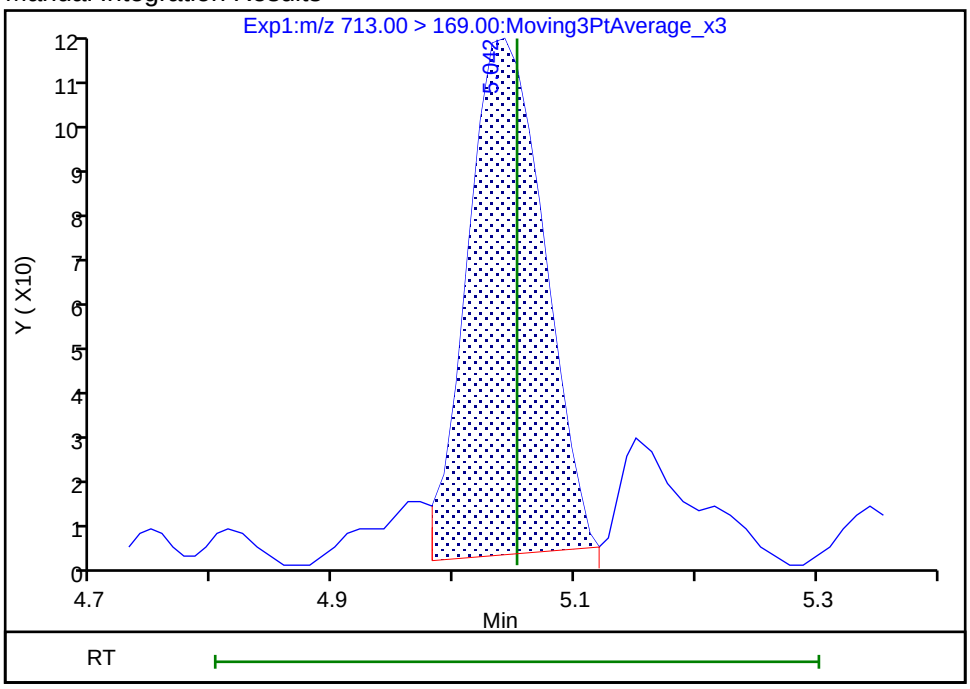
Not Detected
Expected RT: 5.05

Processing Integration Results



Manual Integration Results

RT: 5.04
Area: 499
Amount: 0.005393
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:25:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

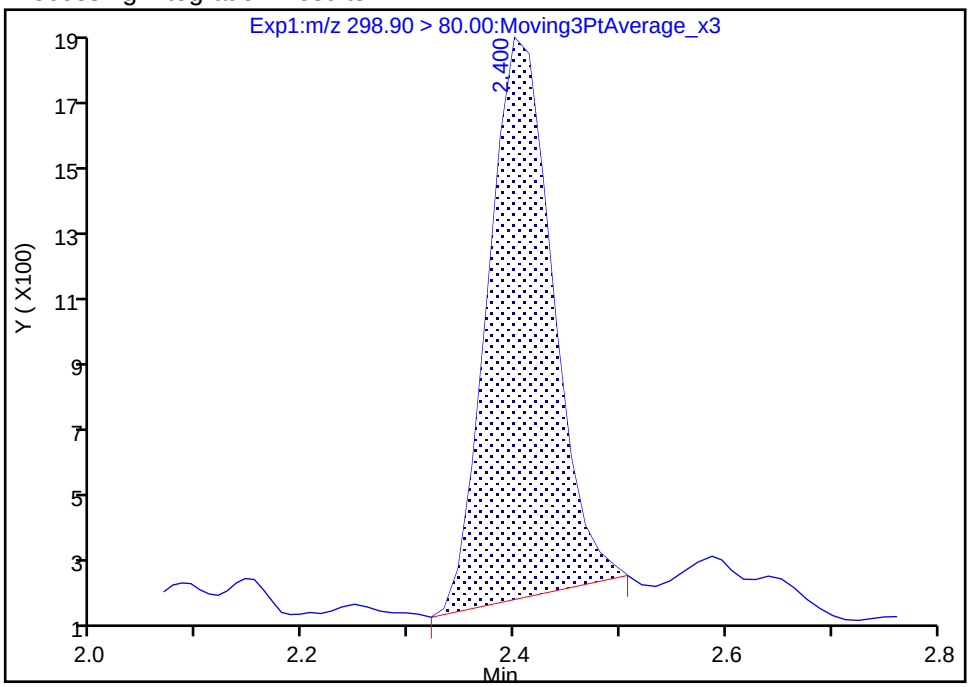
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d
Injection Date: 04-Aug-2022 14:09:19 Instrument ID: LC812
Lims ID: MB 200-182317/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

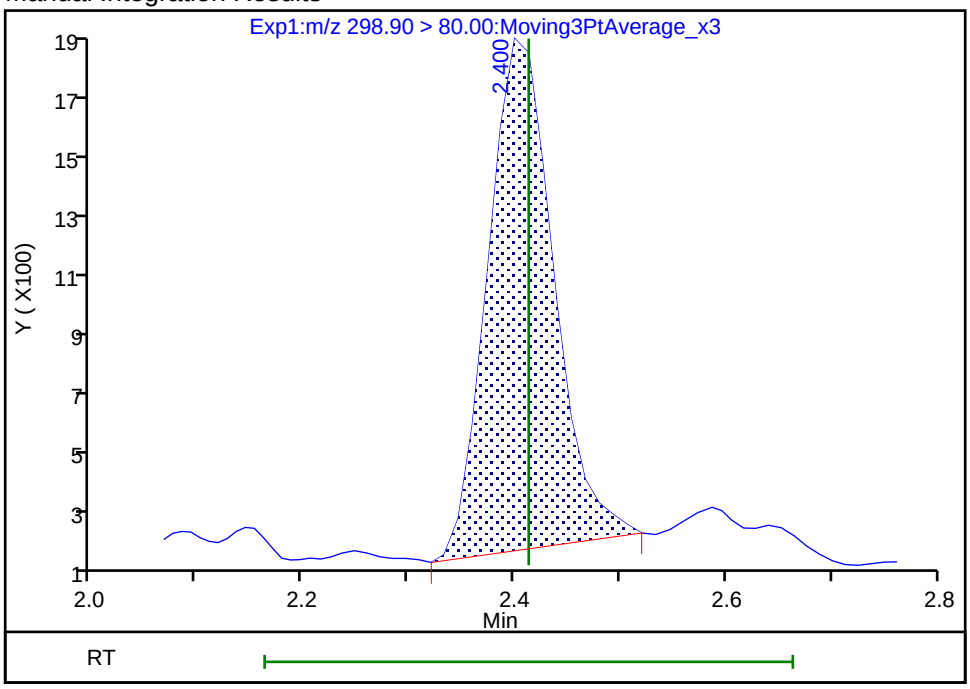
Processing Integration Results

RT: 2.40
Area: 6933
Amount: 0.005351
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 7132
Amount: 0.005504
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:20:01
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

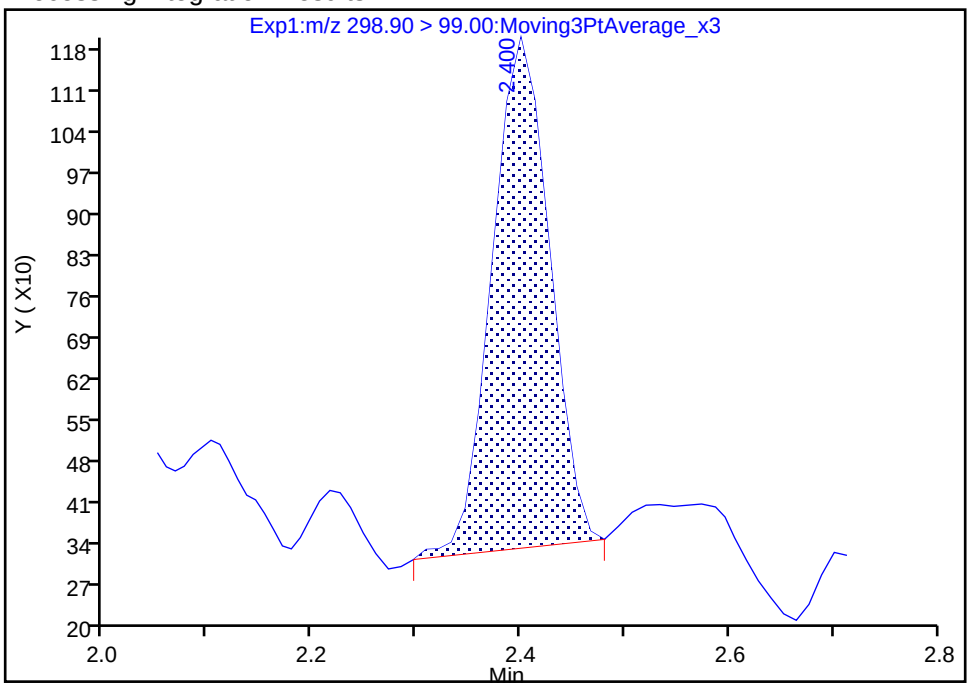
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d
Injection Date: 04-Aug-2022 14:09:19 Instrument ID: LC812
Lims ID: MB 200-182317/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

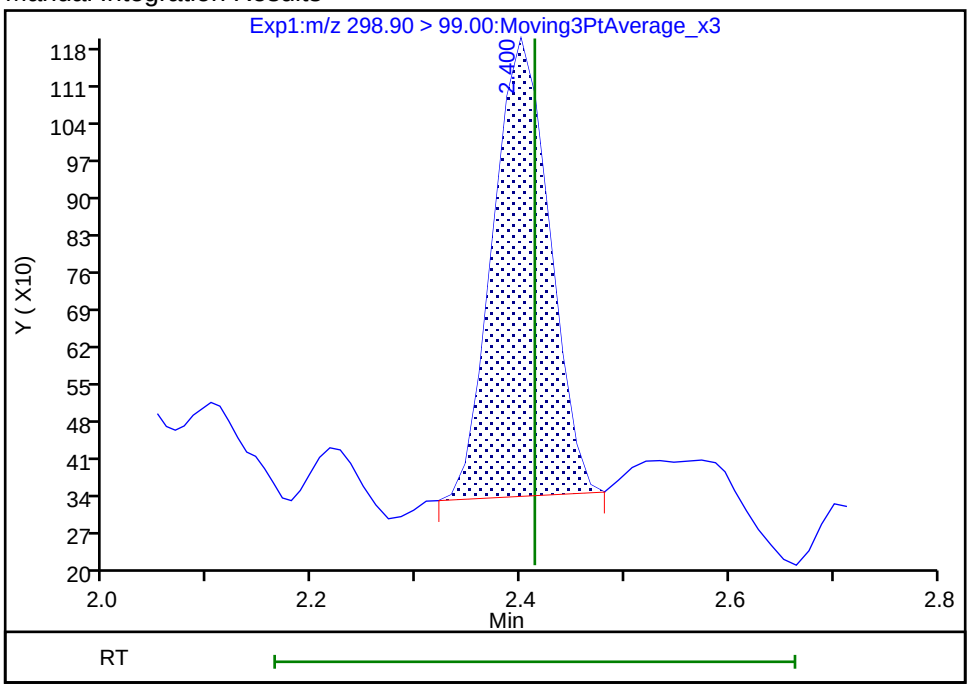
Processing Integration Results

RT: 2.40
Area: 3326
Amount: 0.005351
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 3246
Amount: 0.005504
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:20:05
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

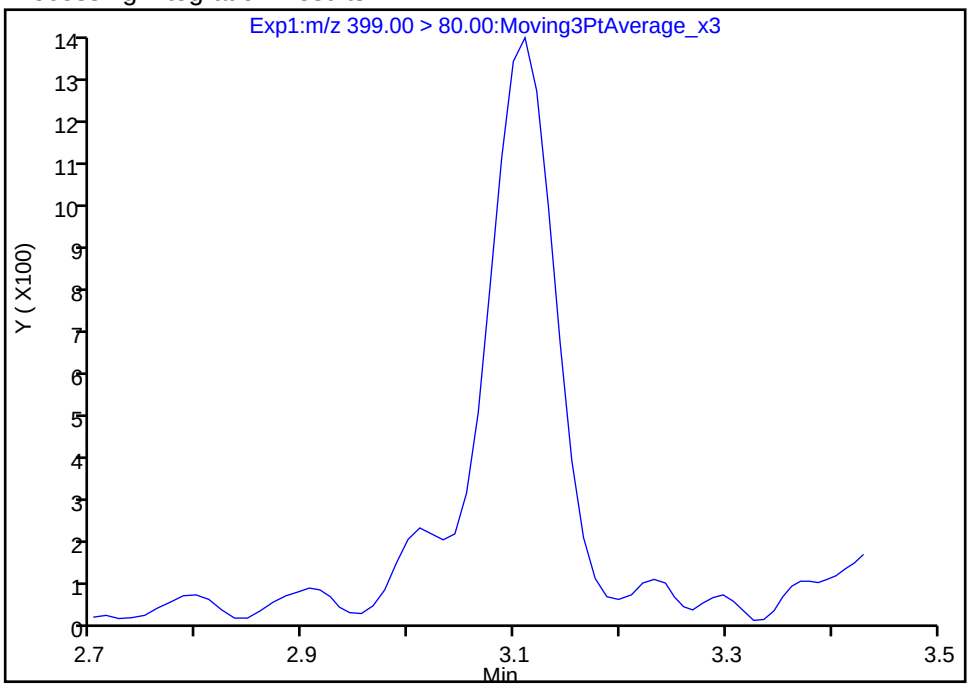
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d				
Injection Date:	04-Aug-2022 14:09:19	Instrument ID:	LC812		
Lims ID:	MB 200-182317/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

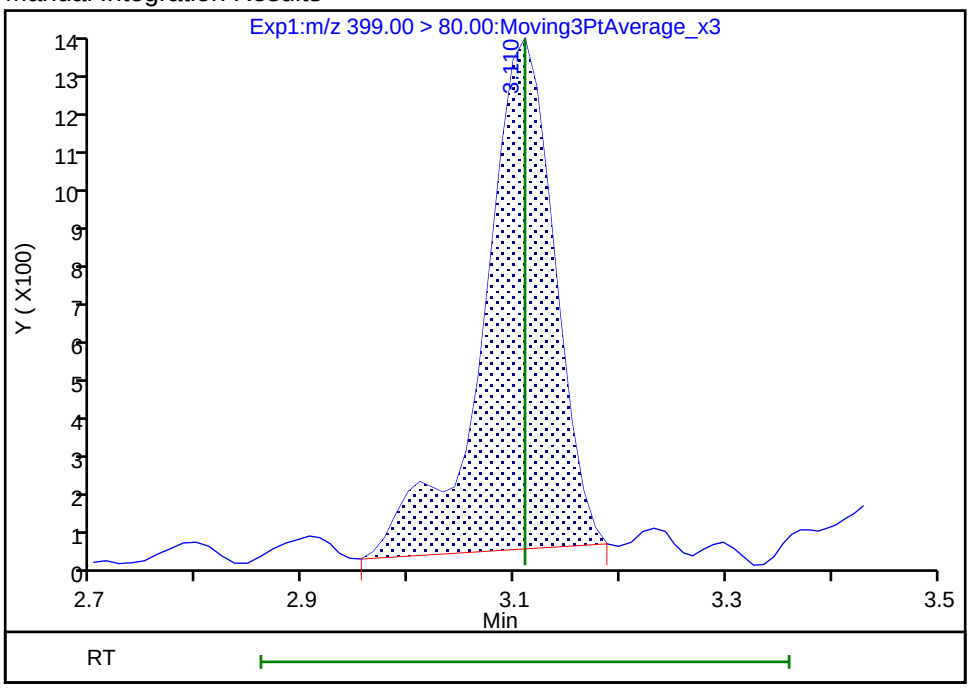
Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results

RT: 3.11
Area: 5838
Amount: 0.006495
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:20:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

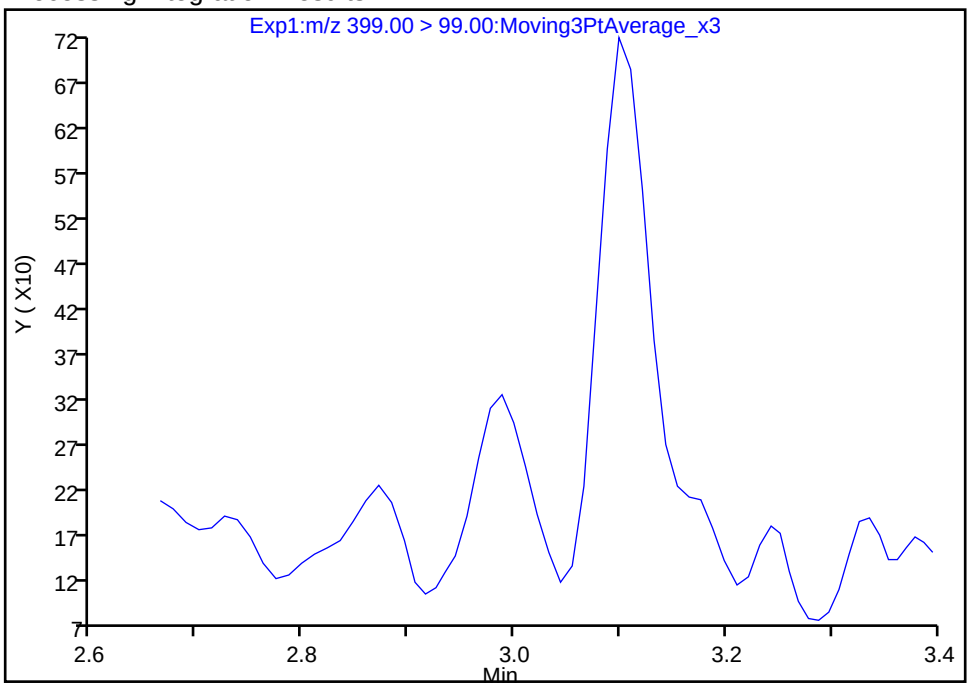
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d
Injection Date: 04-Aug-2022 14:09:19 Instrument ID: LC812
Lims ID: MB 200-182317/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

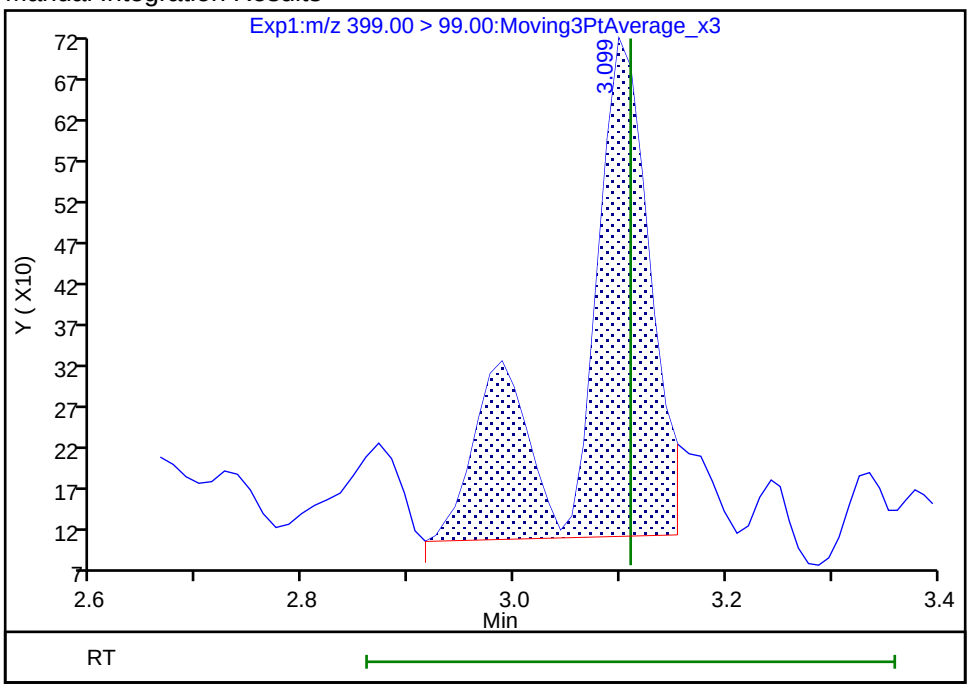
Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results

RT: 3.10
Area: 2793
Amount: 0.006495
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:21:11
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

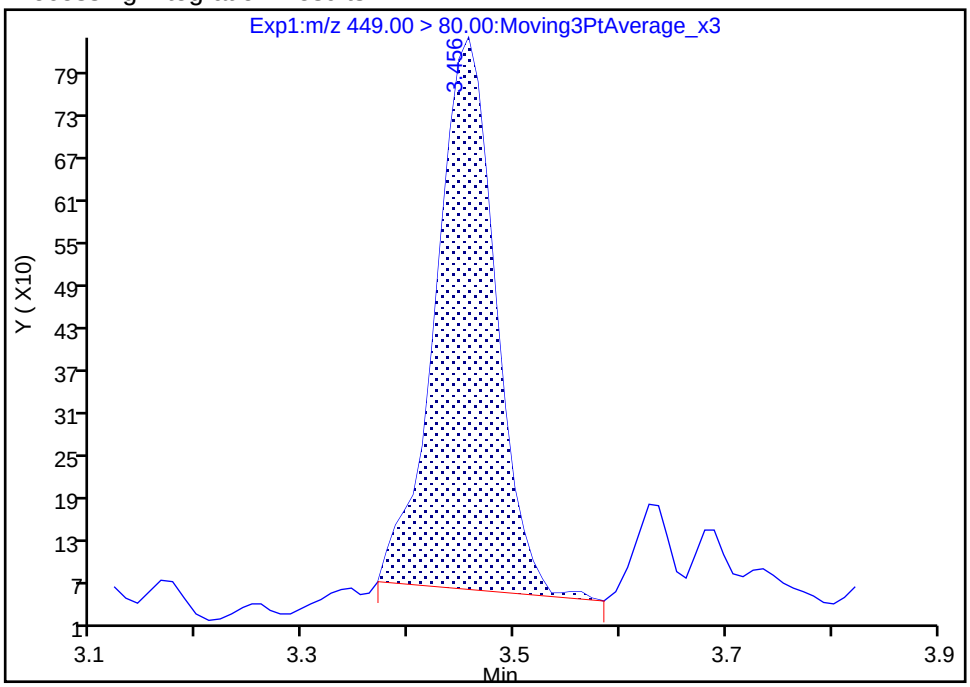
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d
Injection Date: 04-Aug-2022 14:09:19 Instrument ID: LC812
Lims ID: MB 200-182317/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

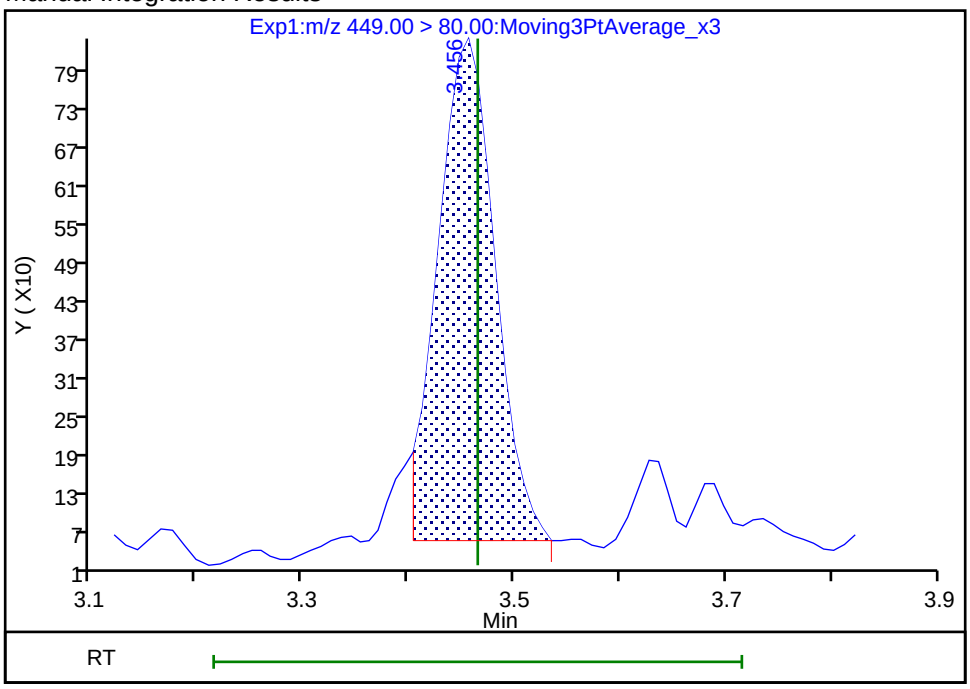
Processing Integration Results

RT: 3.46
Area: 3027
Amount: 0.004270
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 2891
Amount: 0.004107
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:21:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

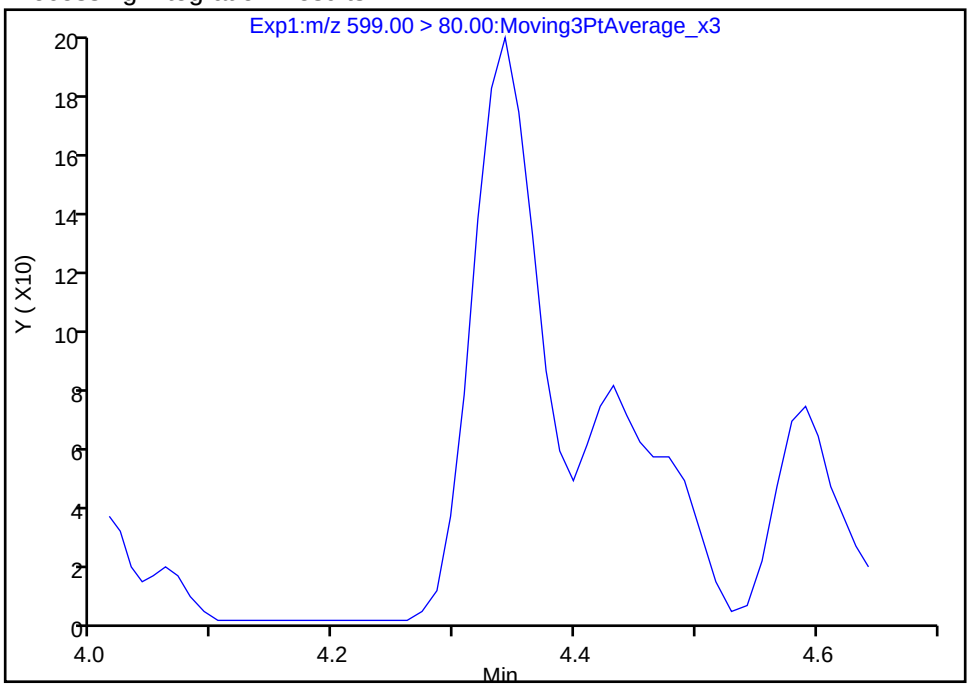
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d				
Injection Date:	04-Aug-2022 14:09:19	Instrument ID:	LC812		
Lims ID:	MB 200-182317/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

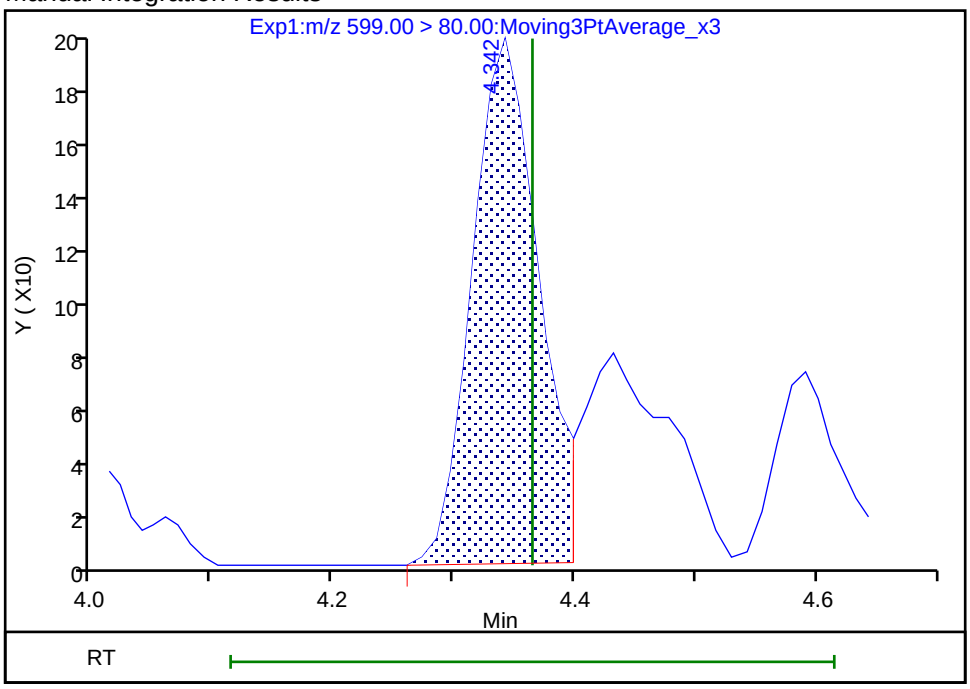
Not Detected
Expected RT: 4.36

Processing Integration Results



Manual Integration Results

RT: 4.34
Area: 741
Amount: 0.002233
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:24:06
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

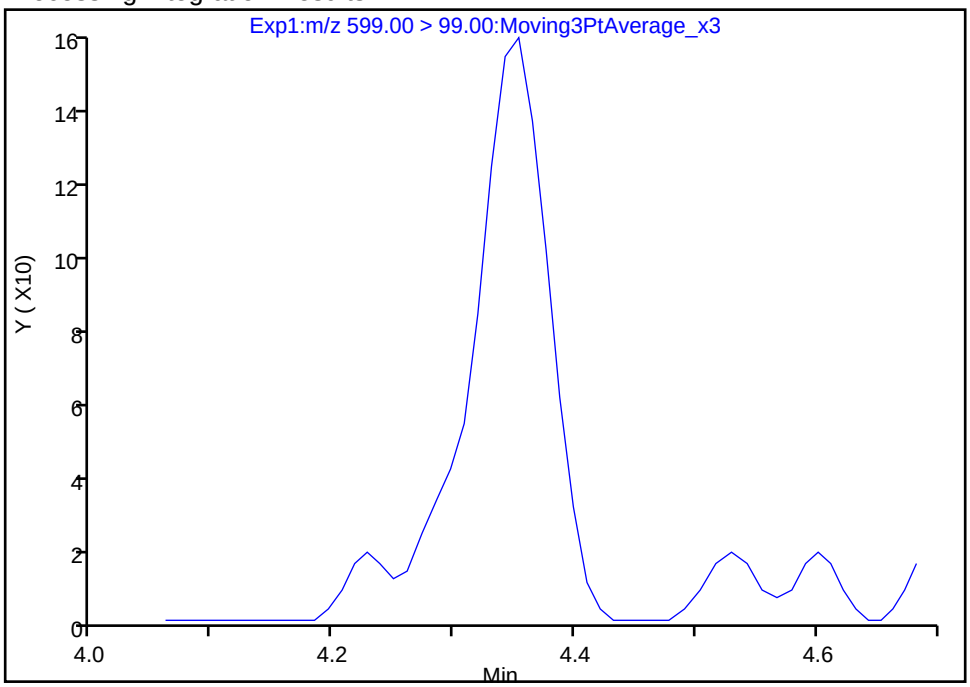
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d
Injection Date: 04-Aug-2022 14:09:19 Instrument ID: LC812
Lims ID: MB 200-182317/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

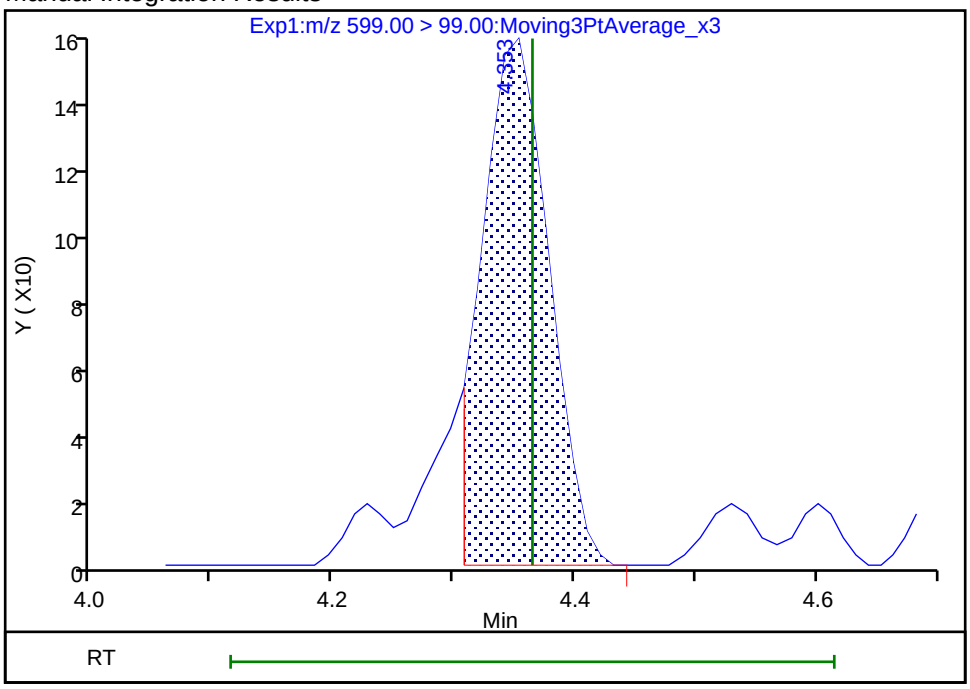
Not Detected
Expected RT: 4.36

Processing Integration Results



Manual Integration Results

RT: 4.35
Area: 584
Amount: 0.002233
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:24:09
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

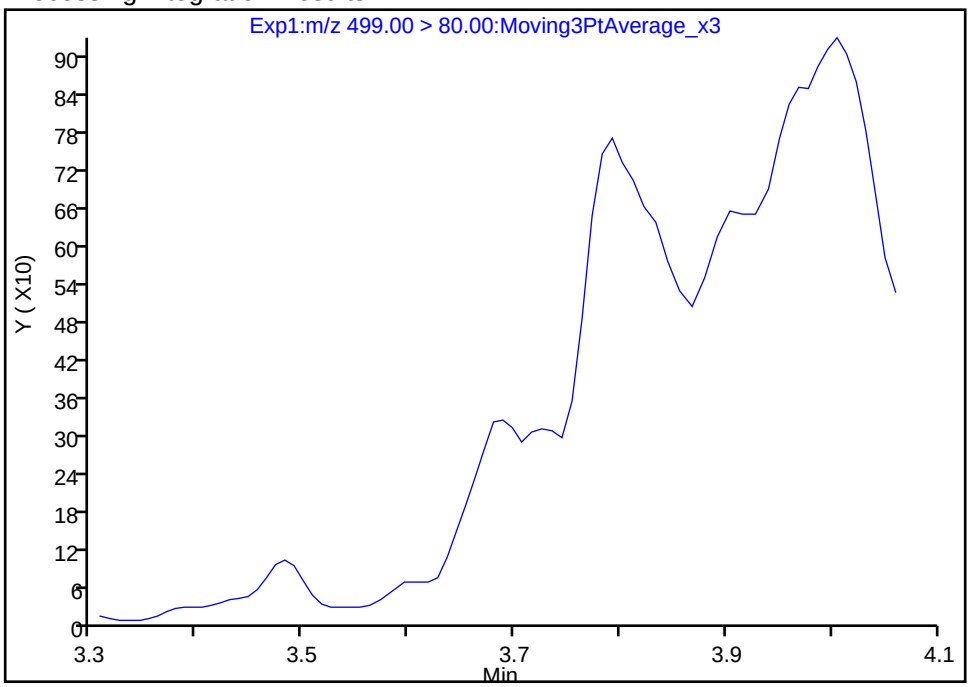
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d
Injection Date: 04-Aug-2022 14:09:19 Instrument ID: LC812
Lims ID: MB 200-182317/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

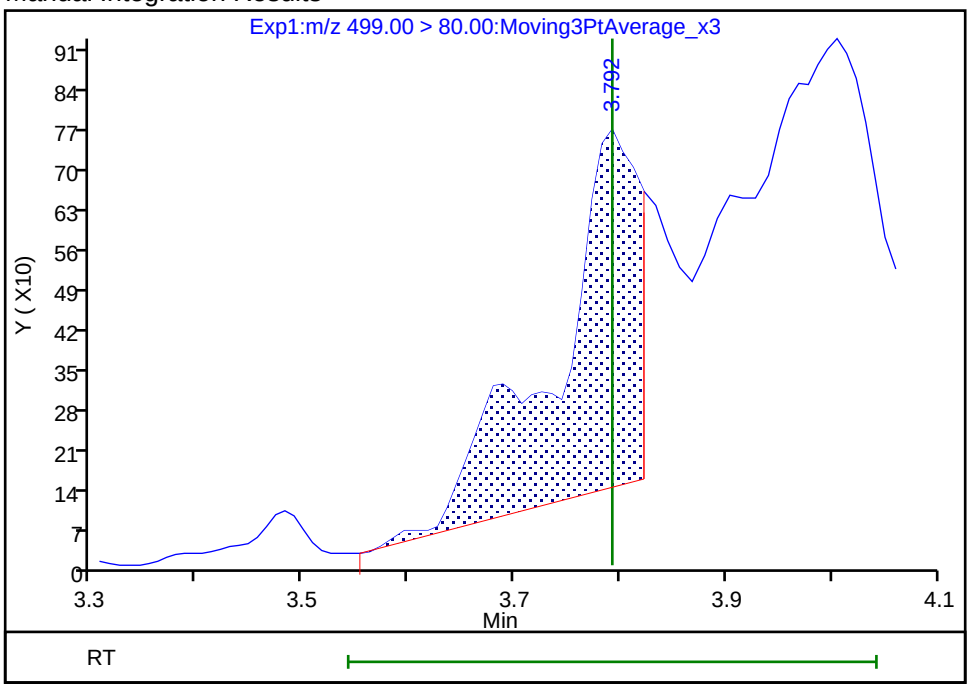
Not Detected
Expected RT: 3.79

Processing Integration Results



Manual Integration Results

RT: 3.79
Area: 3443
Amount: -0.012397
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:22:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

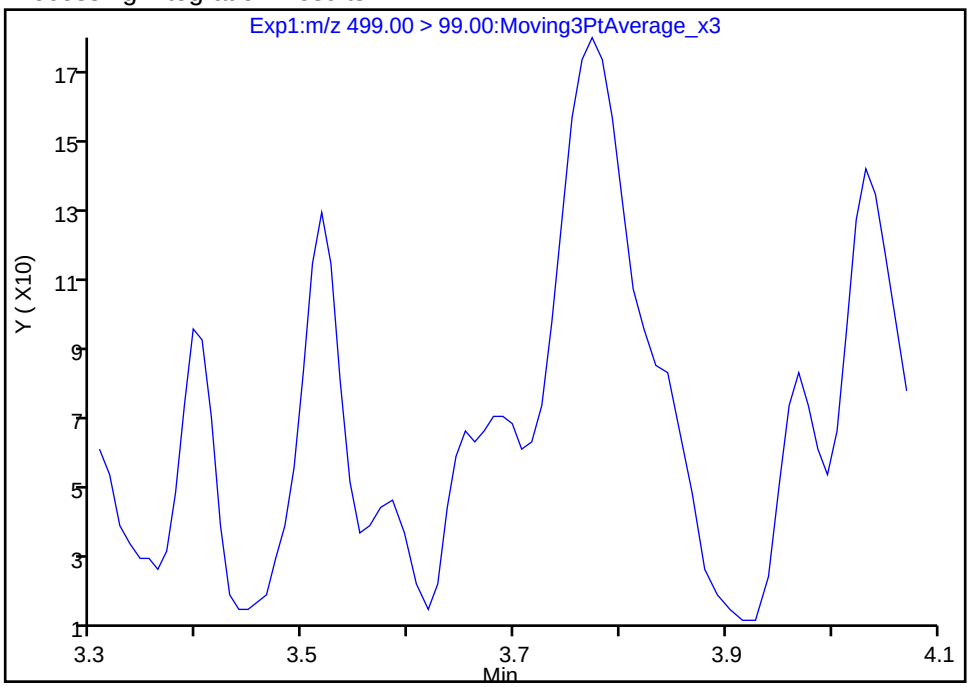
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d				
Injection Date:	04-Aug-2022 14:09:19	Instrument ID:	LC812		
Lims ID:	MB 200-182317/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

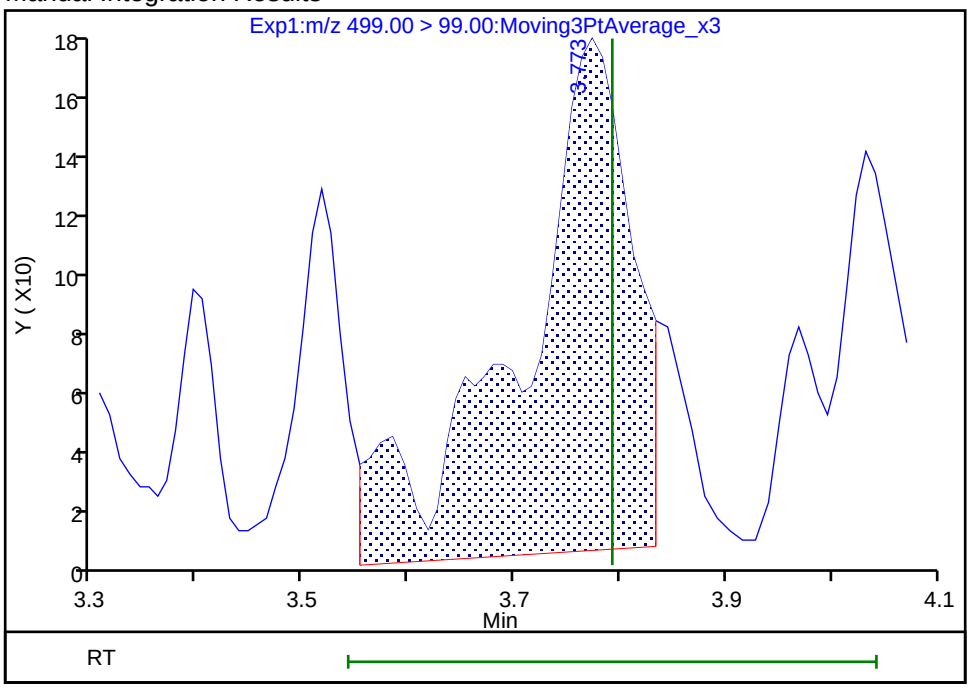
Not Detected
Expected RT: 3.79

Processing Integration Results



Manual Integration Results

RT: 3.77
Area: 1209
Amount: -0.012397
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:22:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

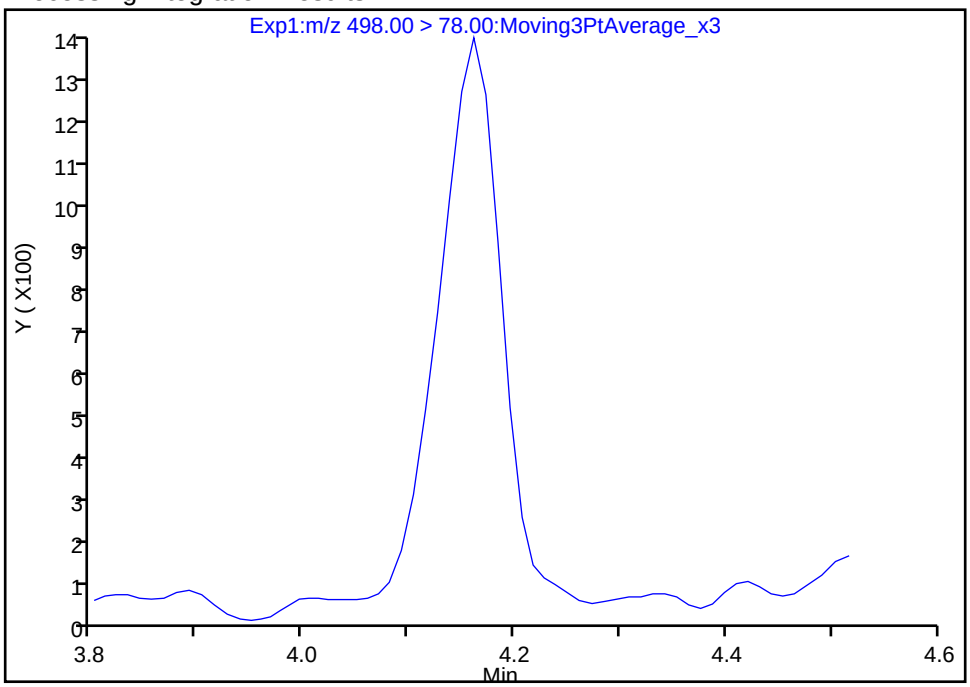
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d				
Injection Date:	04-Aug-2022 14:09:19	Instrument ID:	LC812		
Lims ID:	MB 200-182317/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

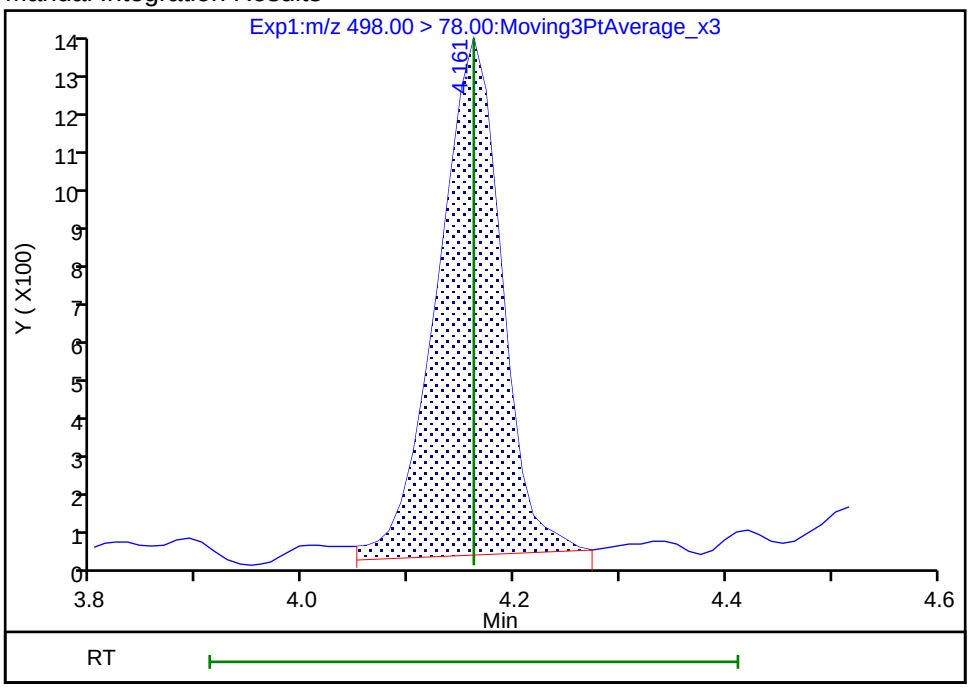
Not Detected
Expected RT: 4.16

Processing Integration Results



Manual Integration Results

RT: 4.16
Area: 5445
Amount: 0.006473
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:23:41
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

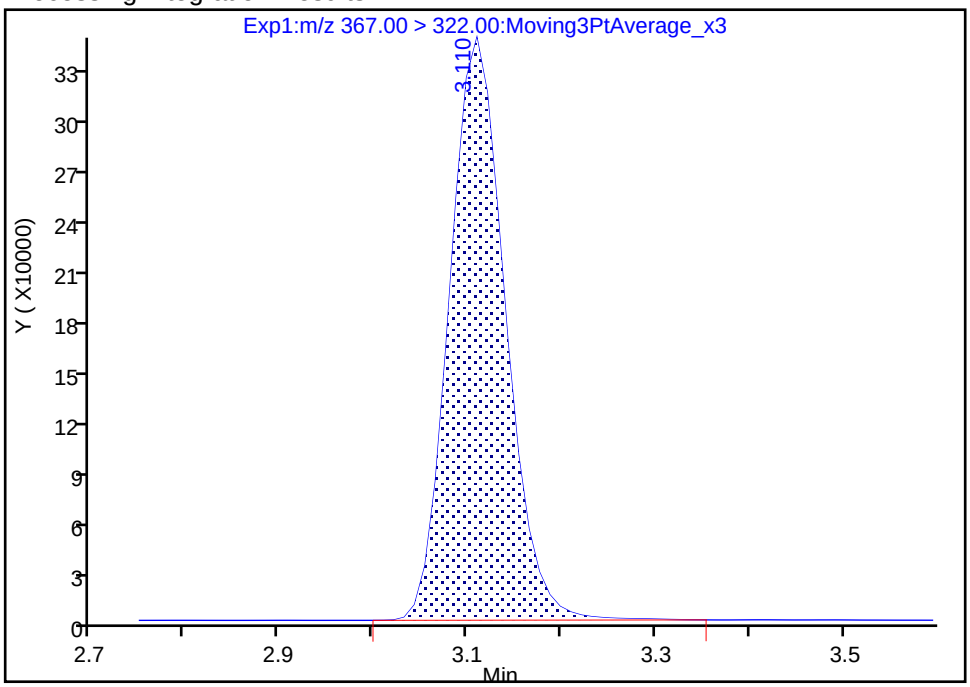
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d
Injection Date: 04-Aug-2022 14:09:19 Instrument ID: LC812
Lims ID: MB 200-182317/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 9 13C4 PFHpA, CAS: STL01892

Signal: 1

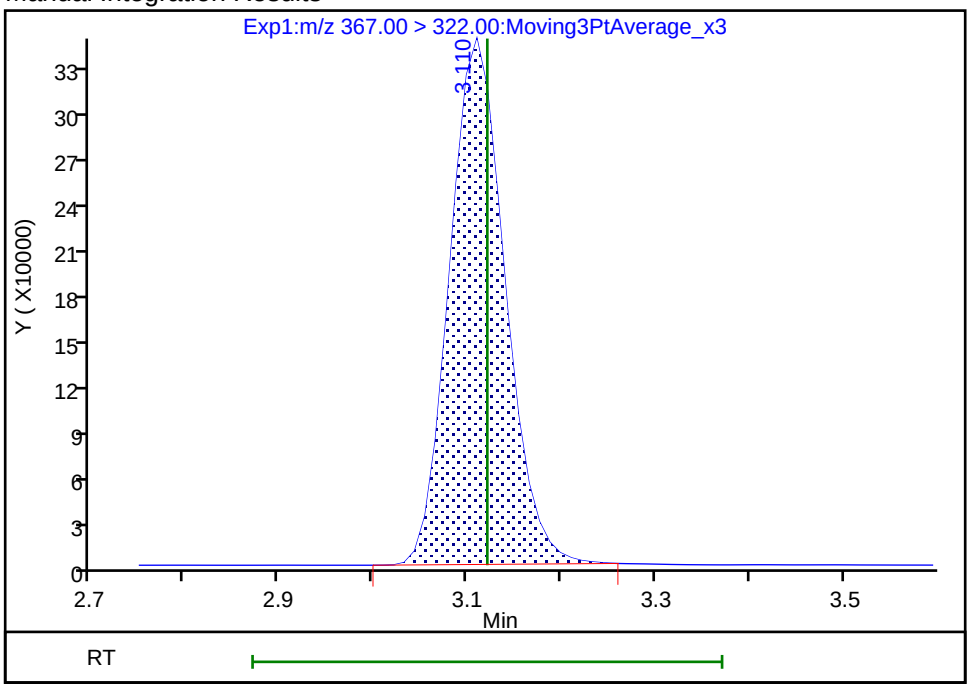
Processing Integration Results

RT: 3.11
Area: 1409468
Amount: 1.231539
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 1399631
Amount: 1.222944
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 11:55:34
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

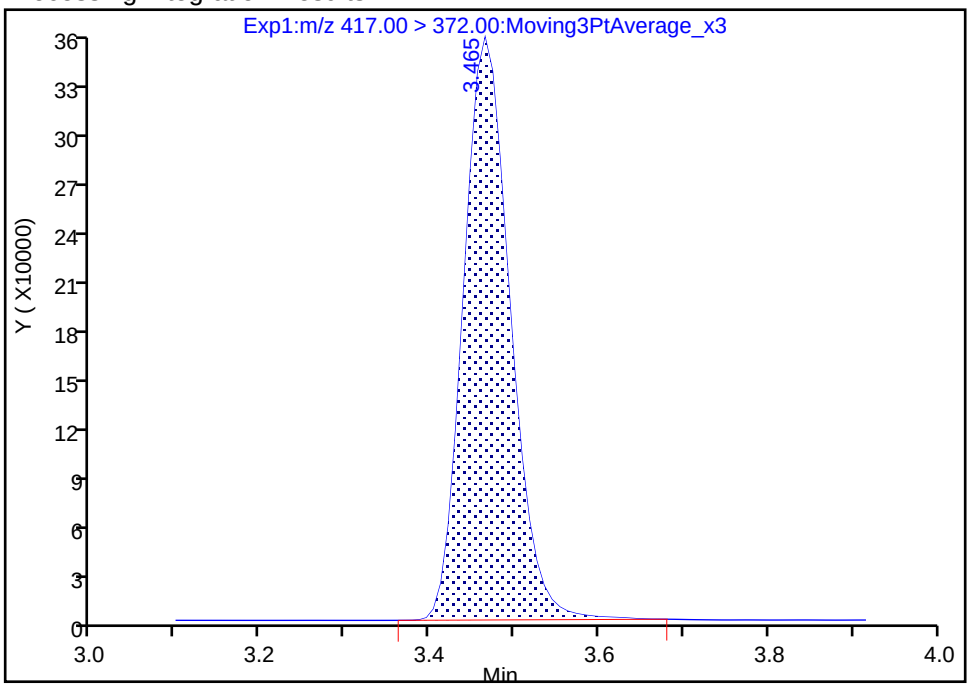
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d
Injection Date: 04-Aug-2022 14:09:19 Instrument ID: LC812
Lims ID: MB 200-182317/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

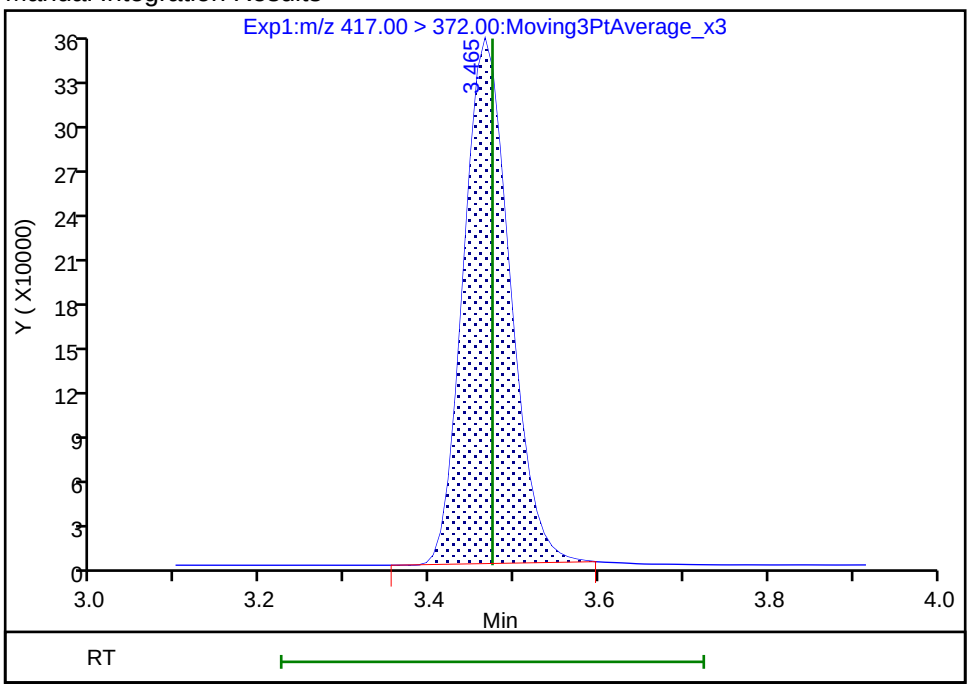
Processing Integration Results

RT: 3.47
Area: 1368205
Amount: 1.166688
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 1350647
Amount: 1.151716
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 11:55:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

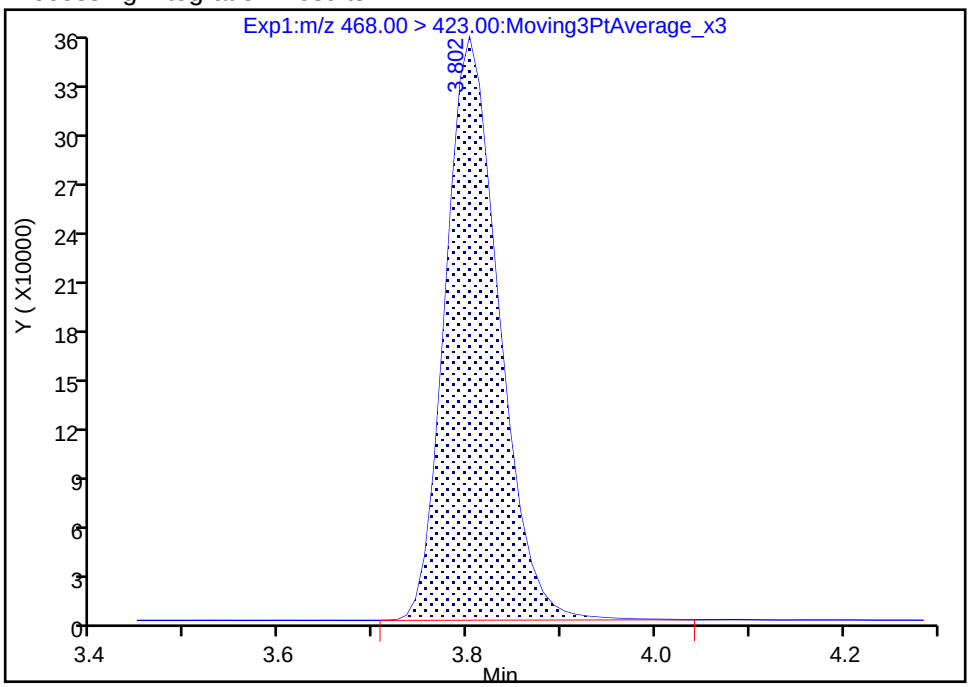
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d
Injection Date: 04-Aug-2022 14:09:19 Instrument ID: LC812
Lims ID: MB 200-182317/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

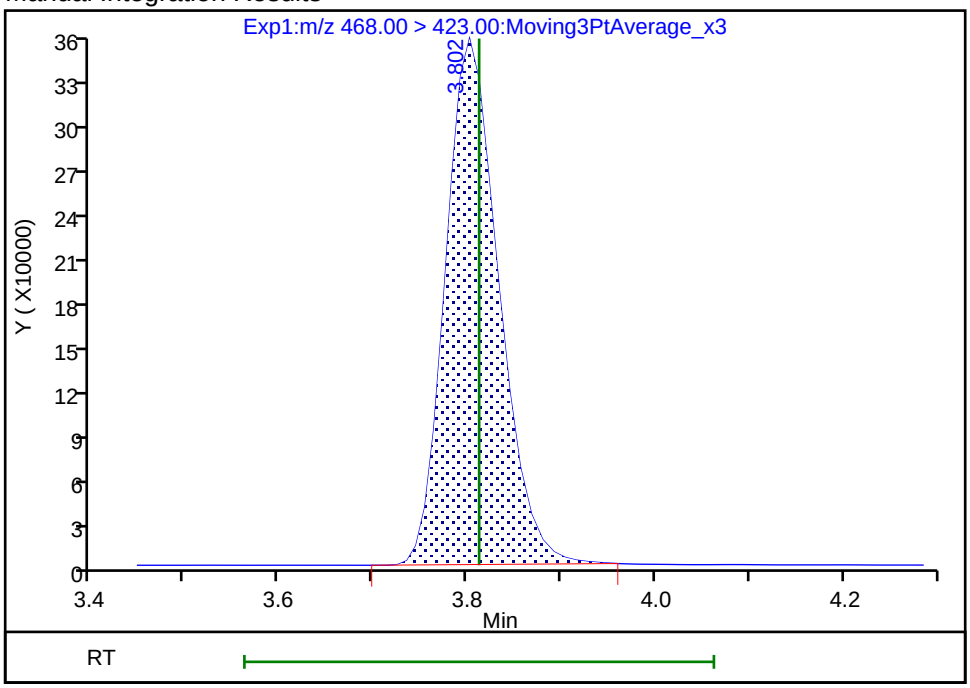
Processing Integration Results

RT: 3.80
Area: 1391419
Amount: 1.142851
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 1383062
Amount: 1.135987
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 11:57:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

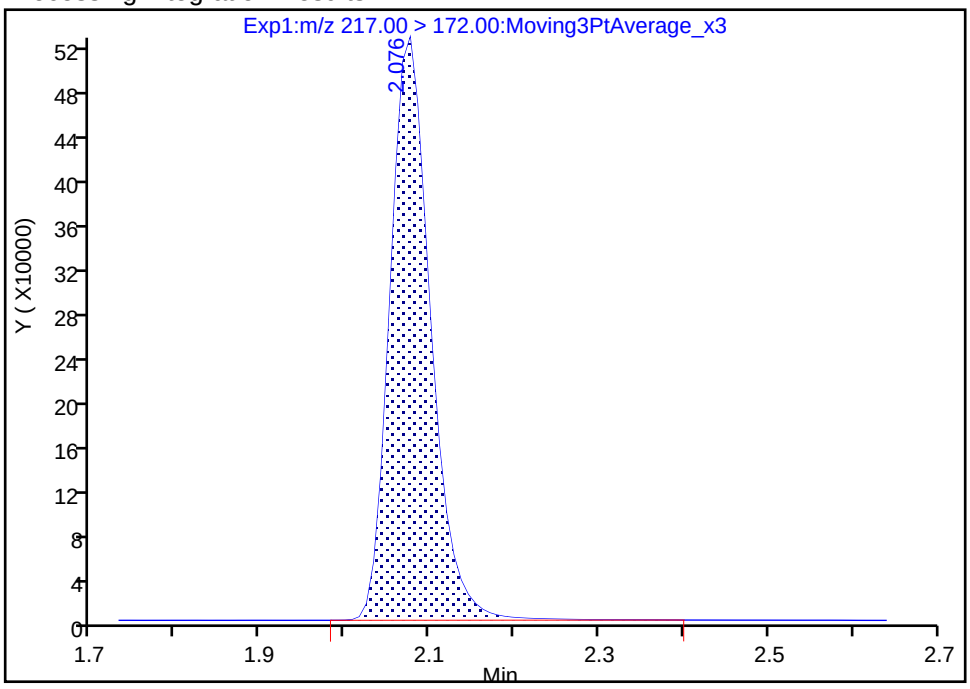
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d
Injection Date: 04-Aug-2022 14:09:19 Instrument ID: LC812
Lims ID: MB 200-182317/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

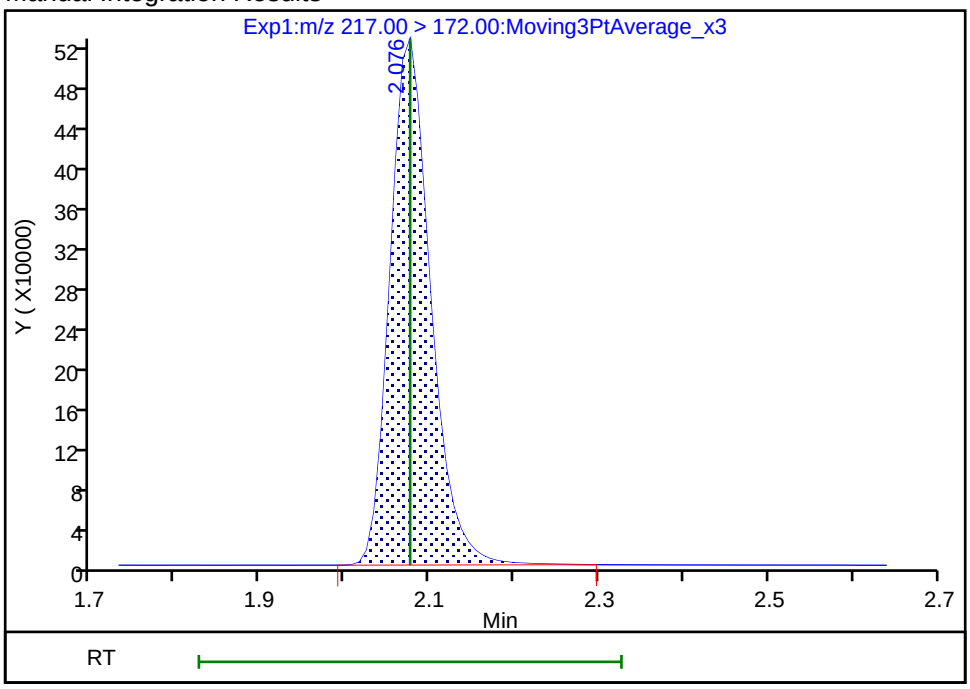
Processing Integration Results

RT: 2.08
Area: 1755845
Amount: 1.222027
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 1752136
Amount: 1.219446
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 11:54:42
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

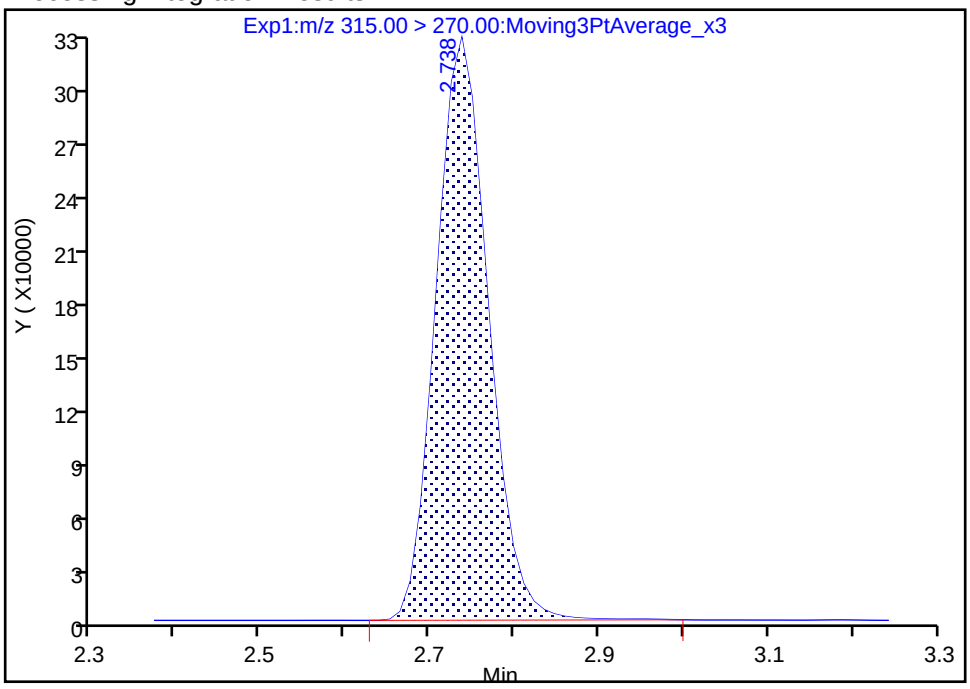
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Injection Date: 04-Aug-2022 14:09:19 Instrument ID: LC812
Lims ID: MB 200-182317/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 7 13C2 PFHxA, CAS: STL00993

Signal: 1

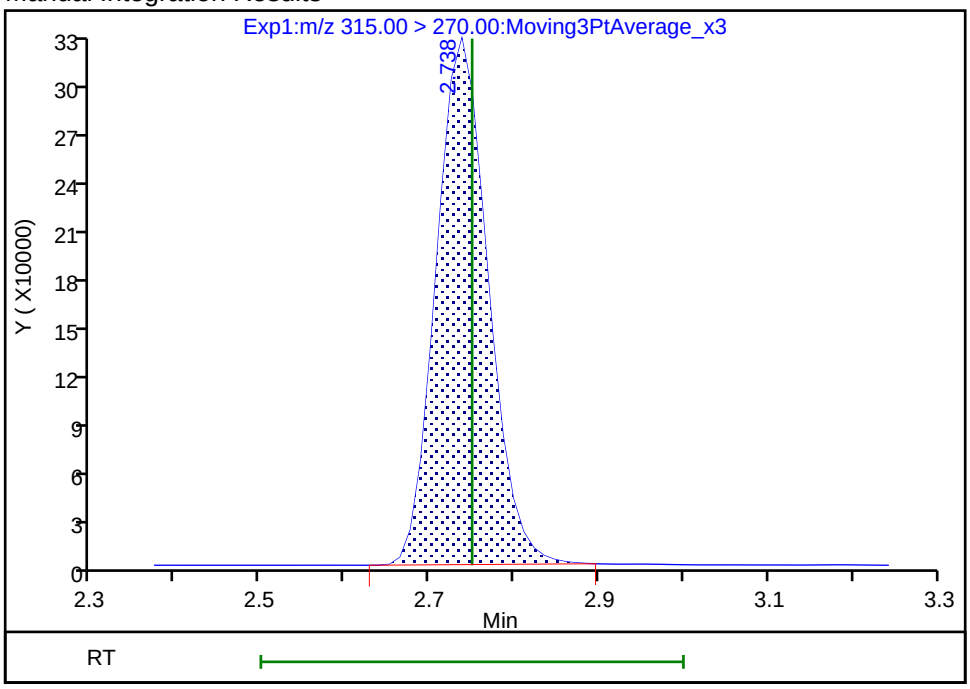
Processing Integration Results

RT: 2.74
Area: 1380855
Amount: 1.251479
Amount Units: ng/ml



Manual Integration Results

RT: 2.74
Area: 1373236
Amount: 1.244574
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 11:55:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

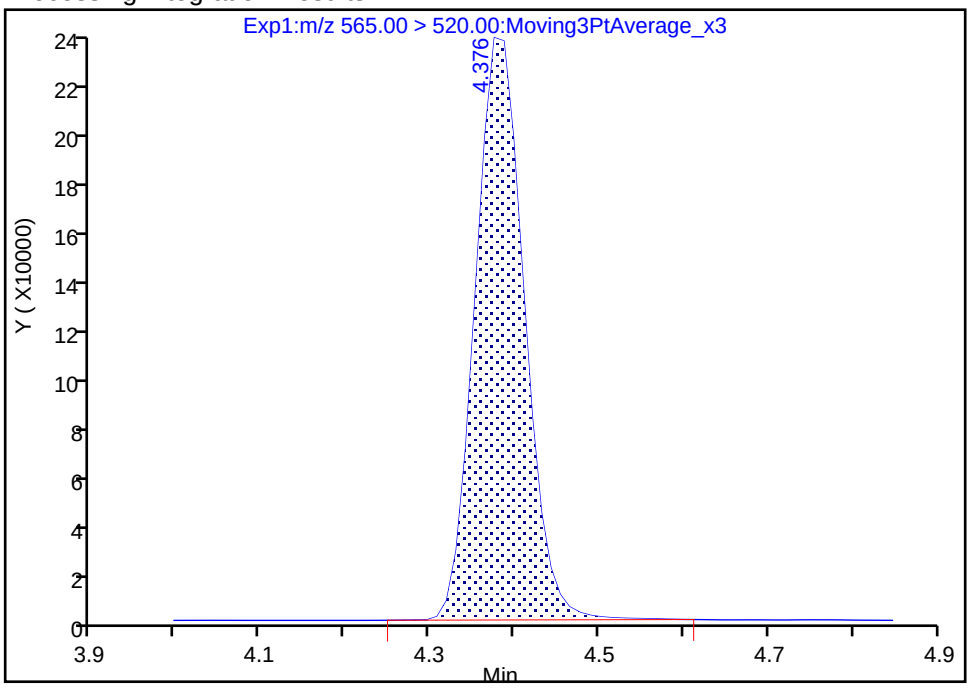
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d
Injection Date: 04-Aug-2022 14:09:19 Instrument ID: LC812
Lims ID: MB 200-182317/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

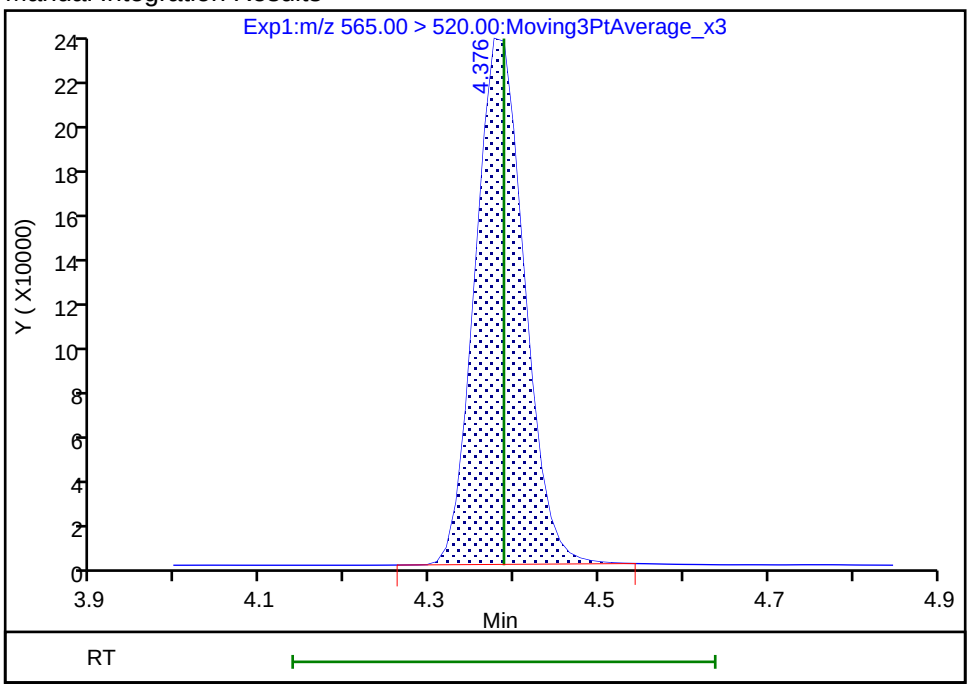
Processing Integration Results

RT: 4.38
Area: 955201
Amount: 1.063959
Amount Units: ng/ml



Manual Integration Results

RT: 4.38
Area: 950074
Amount: 1.058248
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 11:58:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

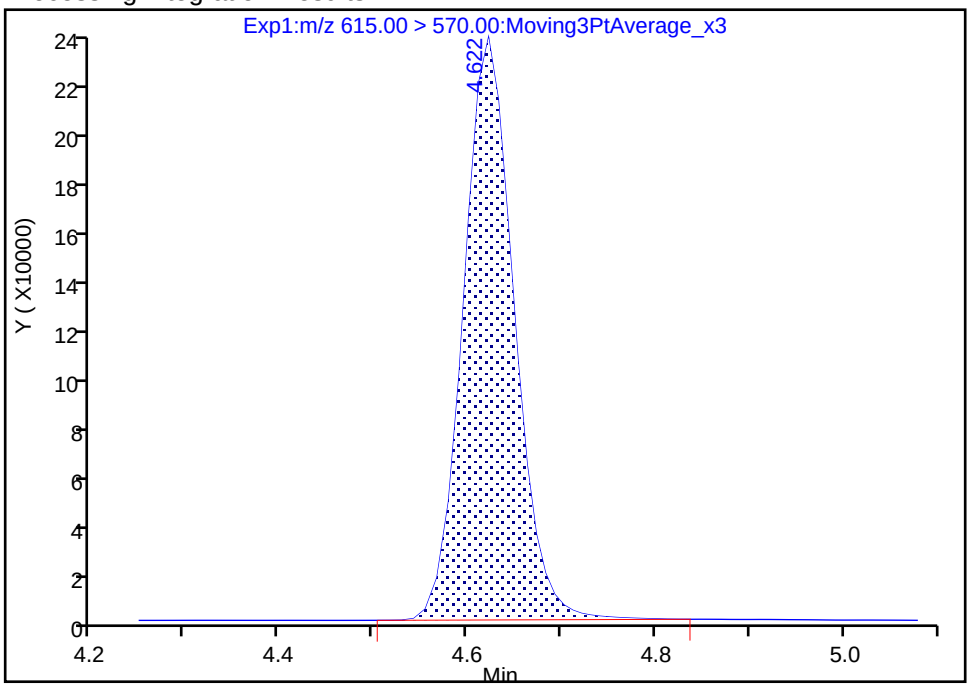
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d
Injection Date: 04-Aug-2022 14:09:19 Instrument ID: LC812
Lims ID: MB 200-182317/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 36 13C2 PFDoA, CAS: STL00998

Signal: 1

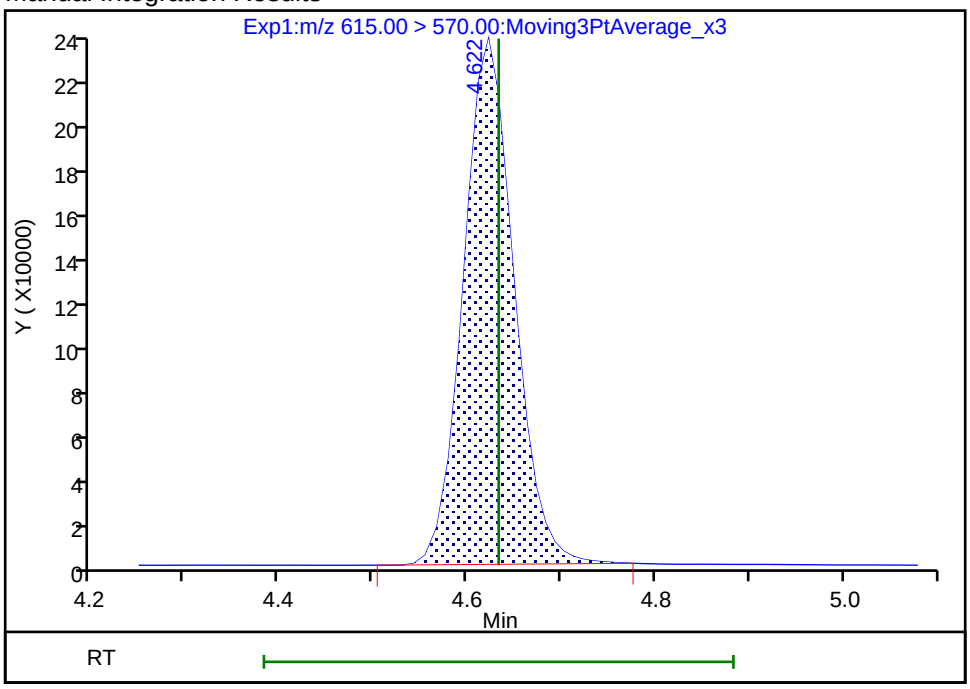
Processing Integration Results

RT: 4.62
Area: 866205
Amount: 0.931086
Amount Units: ng/ml



Manual Integration Results

RT: 4.62
Area: 861331
Amount: 0.925847
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 11:59:02
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

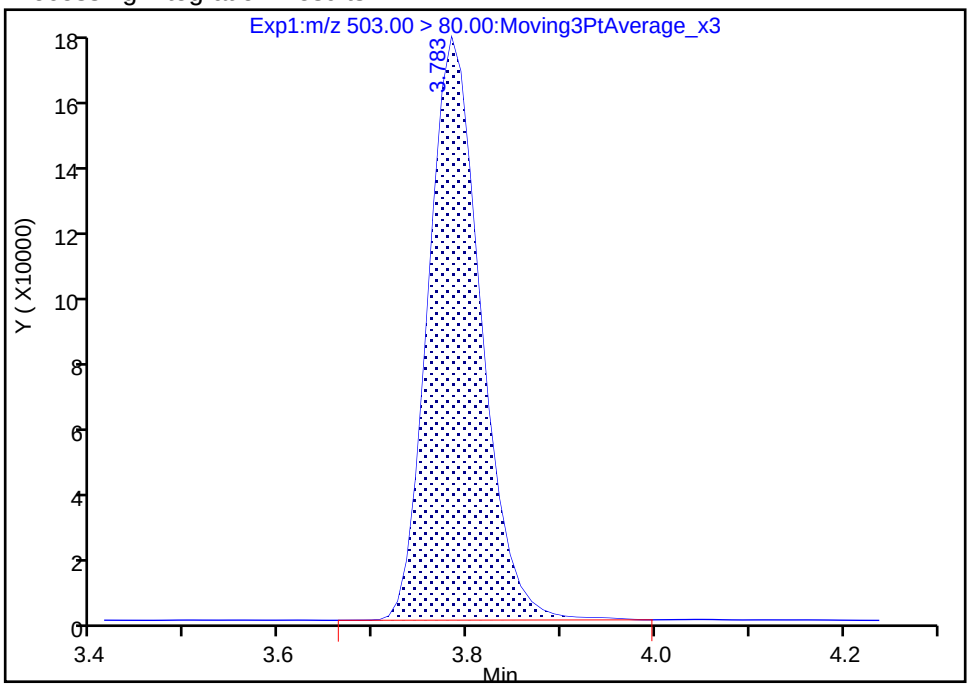
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Injection Date:	04-Aug-2022 14:09:19	Instrument ID:	LC812		
Lims ID:	MB 200-182317/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 18 13C4 PFOS, CAS: STL00991

Signal: 1

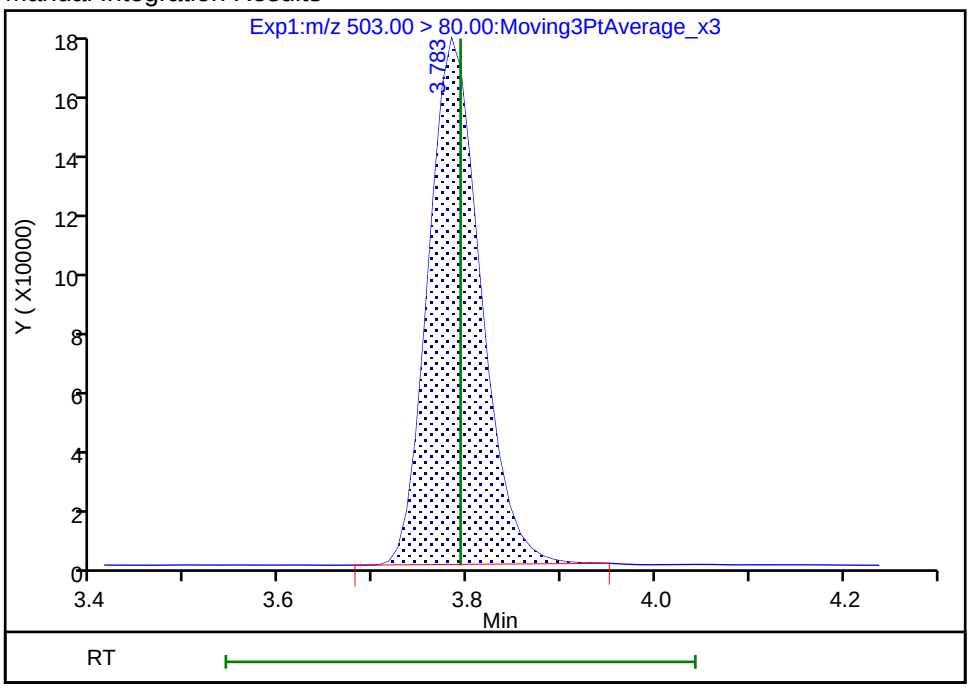
Processing Integration Results

RT: 3.78
Area: 685303
Amount: 1.020469
Amount Units: ng/ml



Manual Integration Results

RT: 3.78
Area: 680605
Amount: 1.013473
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 11:55:53

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

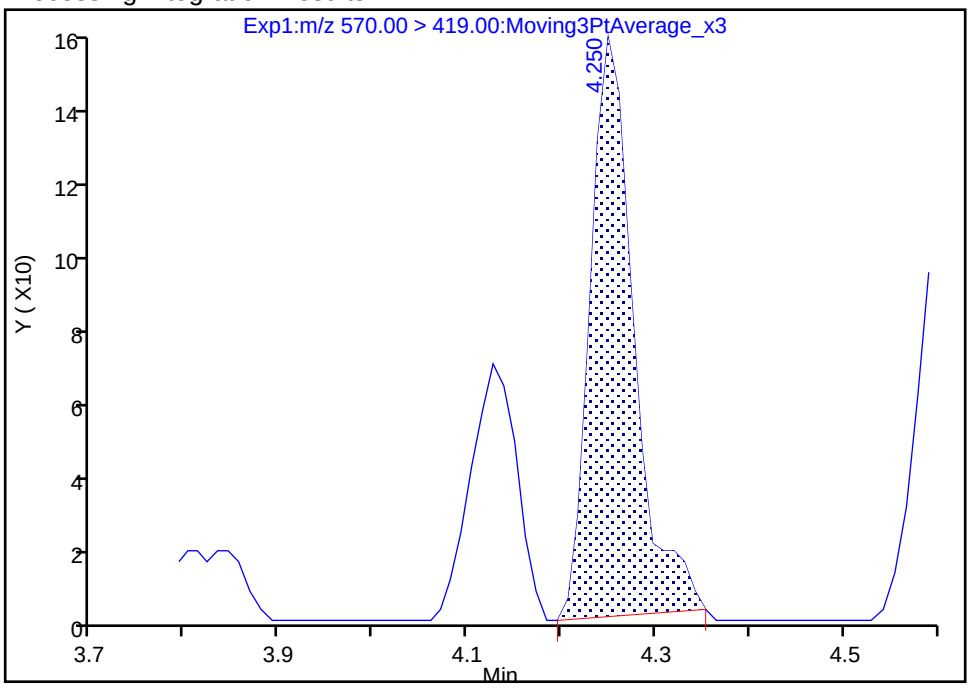
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d
Injection Date: 04-Aug-2022 14:09:19 Instrument ID: LC812
Lims ID: MB 200-182317/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

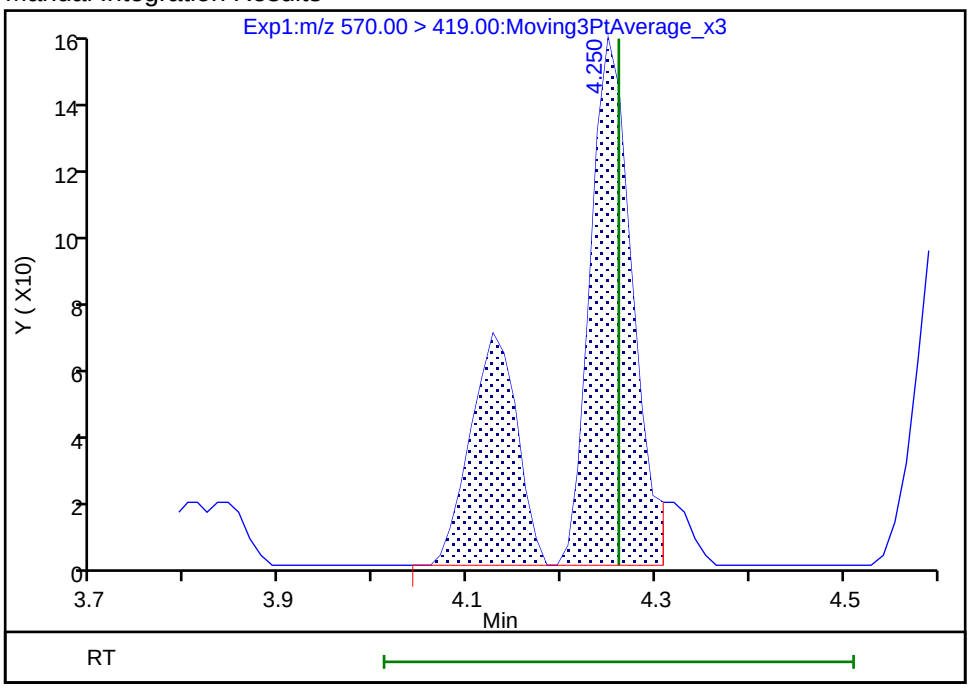
Processing Integration Results

RT: 4.25
Area: 509
Amount: 0.004932
Amount Units: ng/ml



Manual Integration Results

RT: 4.25
Area: 727
Amount: 0.007045
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 11:58:42
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

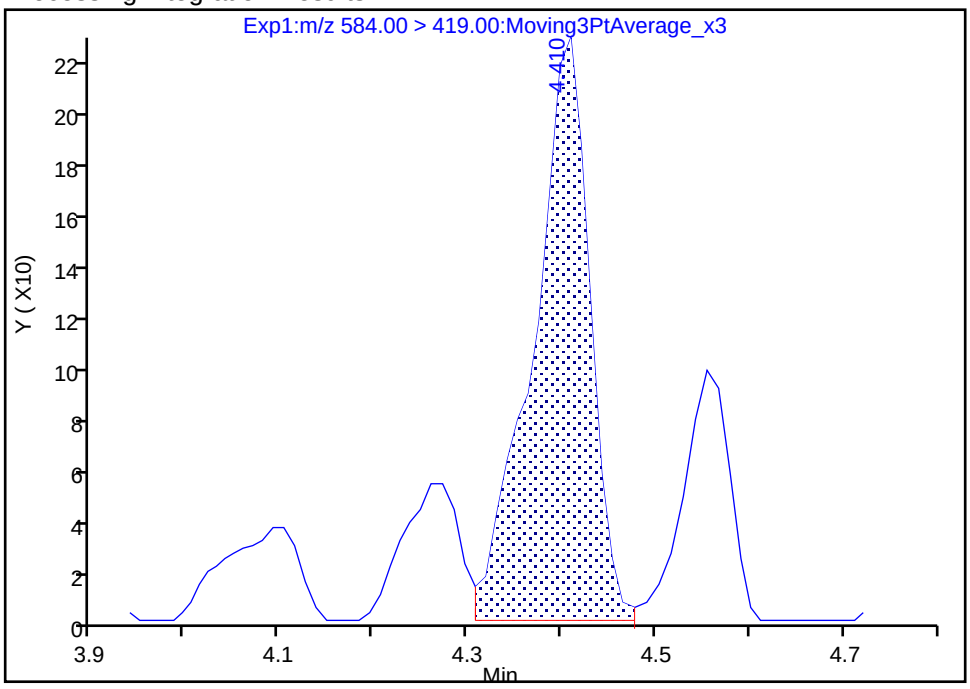
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d
Injection Date: 04-Aug-2022 14:09:19 Instrument ID: LC812
Lims ID: MB 200-182317/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

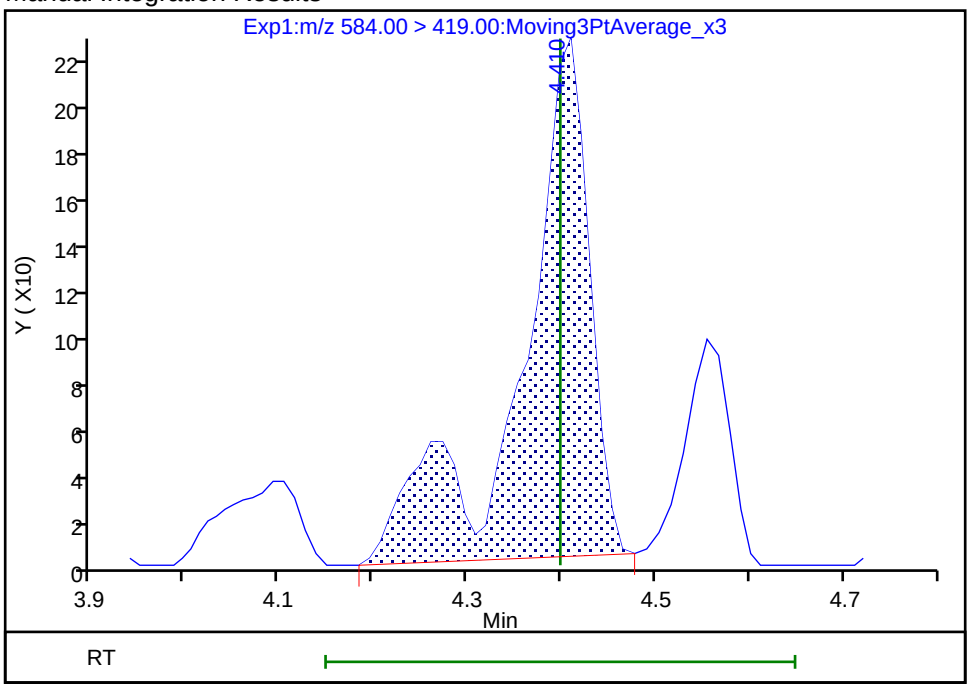
Processing Integration Results

RT: 4.41
Area: 944
Amount: 0.009788
Amount Units: ng/ml



Manual Integration Results

RT: 4.41
Area: 1122
Amount: 0.011714
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:24:27
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

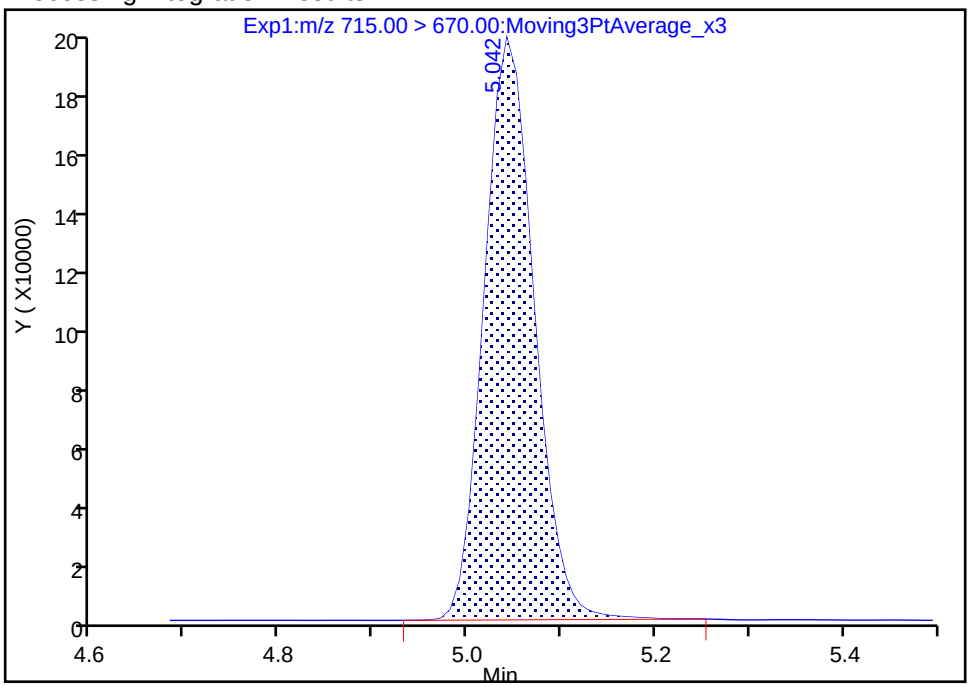
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d
Injection Date: 04-Aug-2022 14:09:19 Instrument ID: LC812
Lims ID: MB 200-182317/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

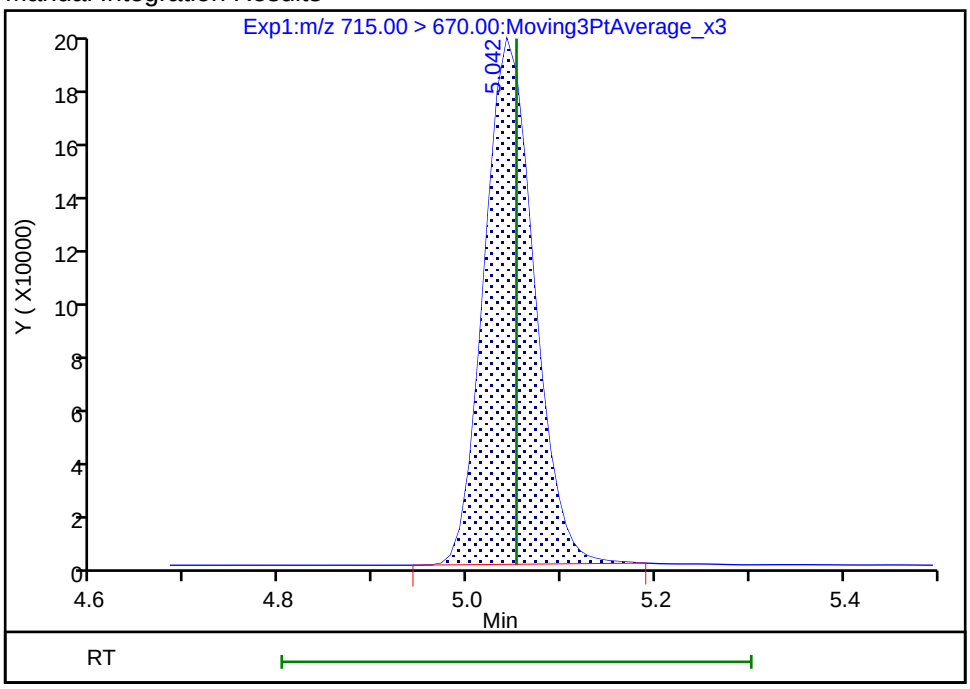
Processing Integration Results

RT: 5.04
Area: 725659
Amount: 0.954177
Amount Units: ng/ml



Manual Integration Results

RT: 5.04
Area: 721886
Amount: 0.949216
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 11:59:11
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

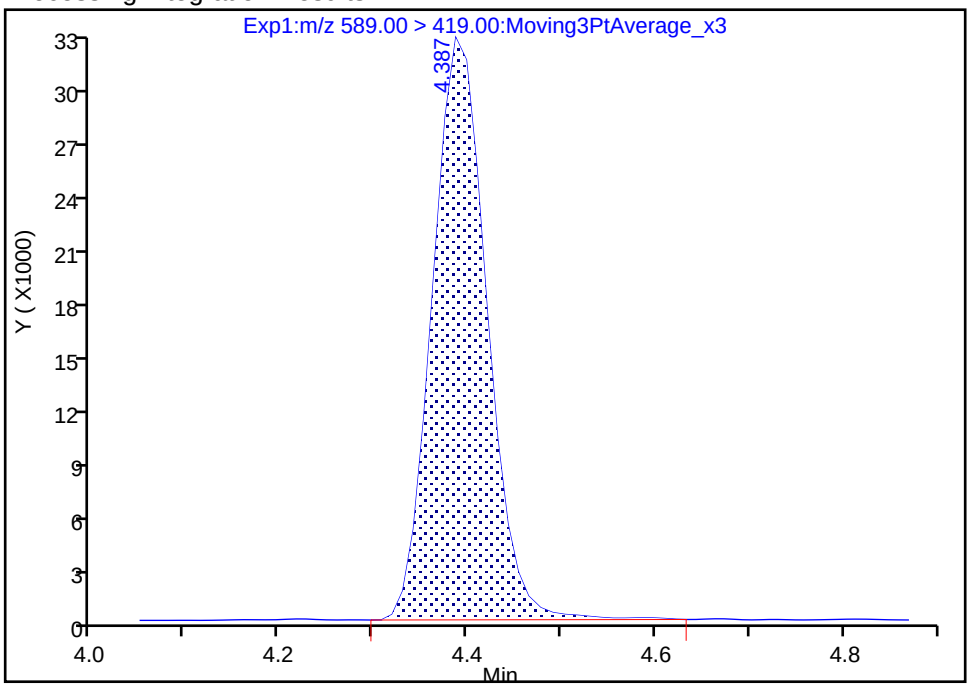
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d
Injection Date: 04-Aug-2022 14:09:19 Instrument ID: LC812
Lims ID: MB 200-182317/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 32 d5-NEtFOSAA, CAS: STL02117

Signal: 1

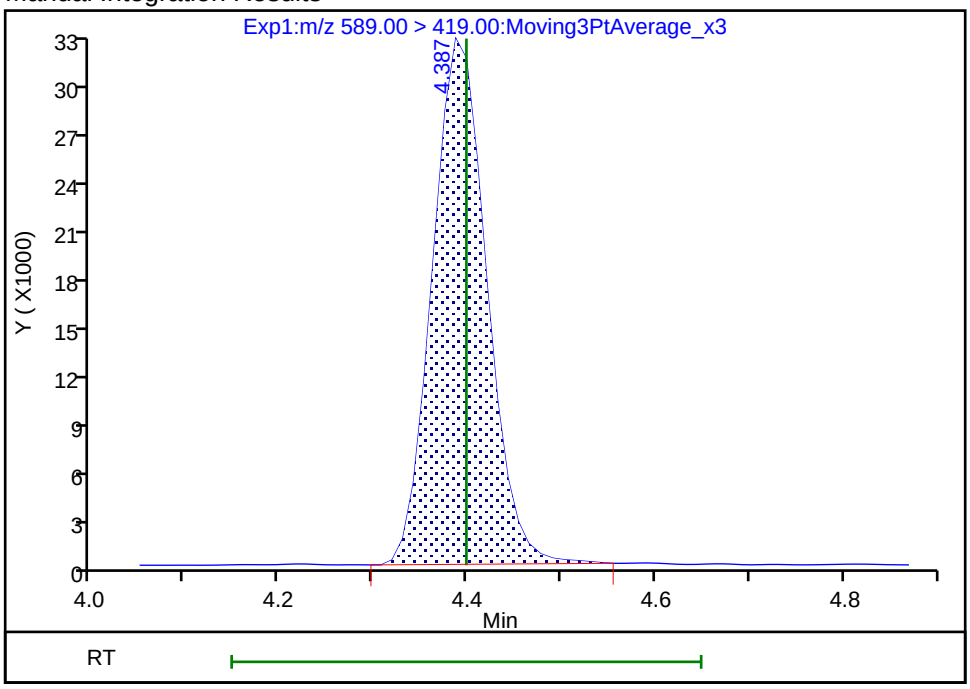
Processing Integration Results

RT: 4.39
Area: 132783
Amount: 0.883315
Amount Units: ng/ml



Manual Integration Results

RT: 4.39
Area: 131873
Amount: 0.877262
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 11:58:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

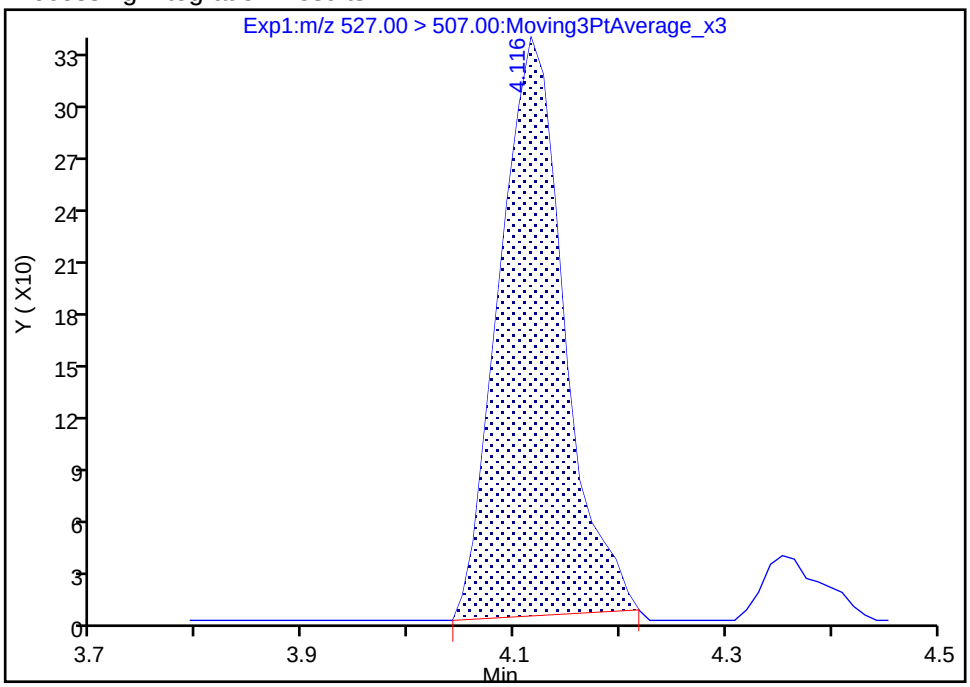
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d
Injection Date: 04-Aug-2022 14:09:19 Instrument ID: LC812
Lims ID: MB 200-182317/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

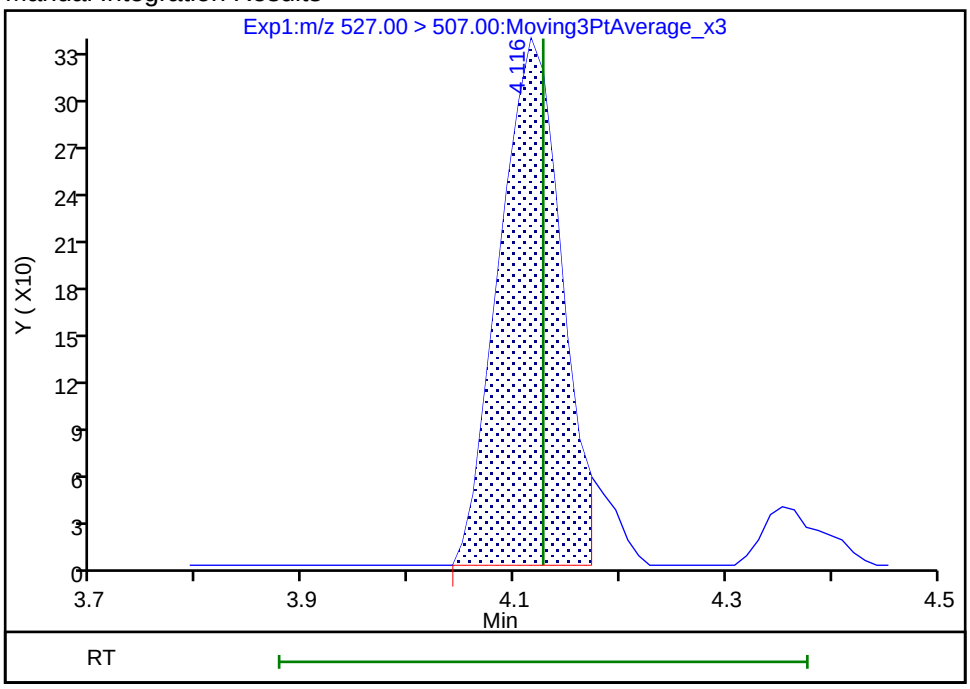
Processing Integration Results

RT: 4.12
Area: 1410
Amount: 0.009520
Amount Units: ng/ml



Manual Integration Results

RT: 4.12
Area: 1355
Amount: 0.009149
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:23:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

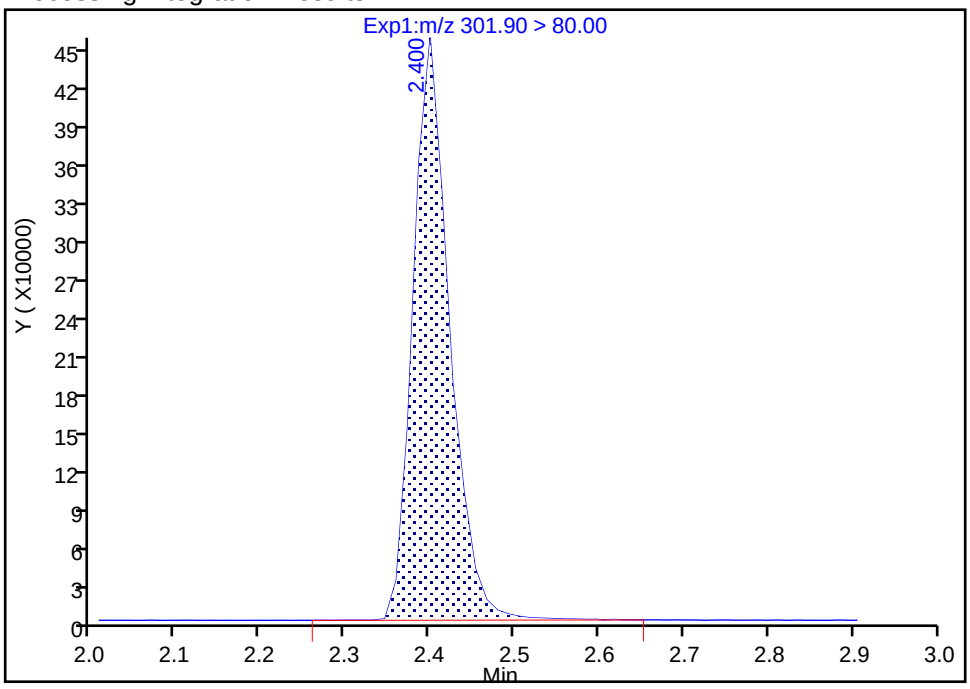
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d
Injection Date: 04-Aug-2022 14:09:19 Instrument ID: LC812
Lims ID: MB 200-182317/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

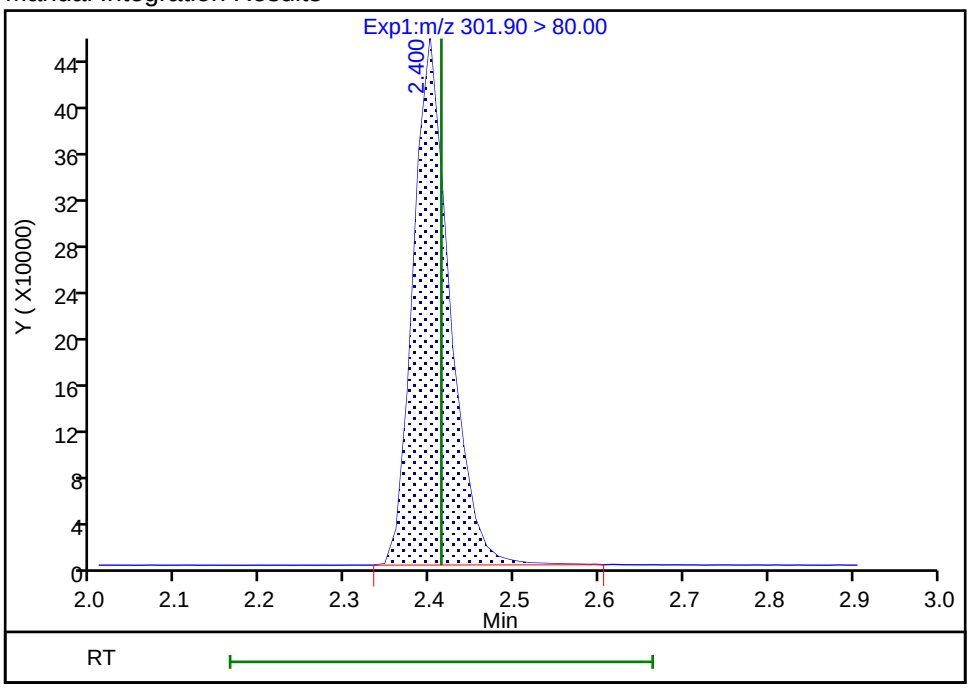
Processing Integration Results

RT: 2.40
Area: 1366617
Amount: 1.067252
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 1364605
Amount: 1.067125
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:19:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

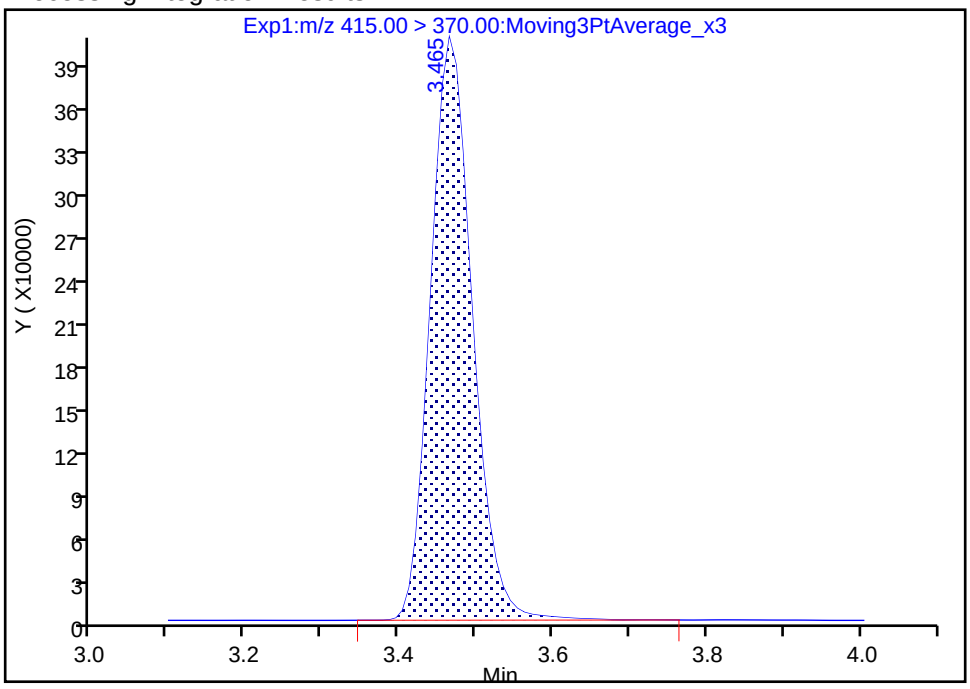
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B02.d
Injection Date: 04-Aug-2022 14:09:19 Instrument ID: LC812
Lims ID: MB 200-182317/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

* 62 13C2 PFOA, CAS: STL00623

Signal: 1

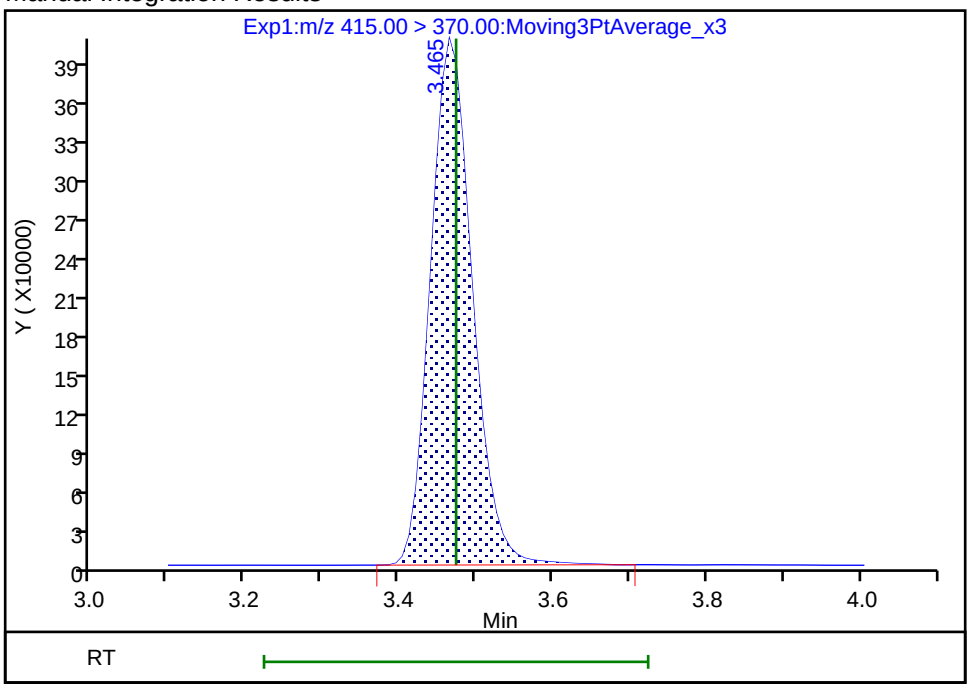
Processing Integration Results

RT: 3.47
Area: 1541047
Amount: 1.250000
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 1538962
Amount: 1.250000
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:19:27
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-182374/1-A

Matrix: Water Lab File ID: PA220804C02.d

Analysis Method: 537 (modified) Date Collected:

Extraction Method: 3535 Date Extracted: 08/04/2022 11:45

Sample wt/vol: 250(mL) Date Analyzed: 08/04/2022 17:09

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.: 182386 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	5.00	U	5.00	1.20
2706-90-3	Perfluoropentanoic acid (PFPeA)	2.00	U	2.00	0.68
307-24-4	Perfluorohexanoic acid (PFHxA)	2.00	U	2.00	0.65
375-85-9	Perfluoroheptanoic acid (PFHpA)	2.00	U	2.00	0.54
335-67-1	Perfluorooctanoic acid (PFOA)	2.00	U	2.00	0.76
375-95-1	Perfluorononanoic acid (PFNA)	2.00	U	2.00	0.49
335-76-2	Perfluorodecanoic acid (PFDA)	2.00	U	2.00	0.46
2058-94-8	Perfluoroundecanoic acid (PFUnA)	2.00	U	2.00	0.55
307-55-1	Perfluorododecanoic acid (PFDoA)	2.00	U	2.00	0.49
72629-94-8	Perfluorotridecanoic acid (PFTriA)	2.00	U	2.00	0.48
376-06-7	Perfluorotetradecanoic acid (PFTeA)	2.00	U	2.00	0.64
375-73-5	Perfluorobutanesulfonic acid (PFBS)	2.00	U	2.00	0.62
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	2.00	U	2.00	0.55
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	2.00	U	2.00	0.41
335-77-3	Perfluorodecanesulfonic acid (PFDS)	2.00	U	2.00	0.40
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	2.00	U	2.00	0.85
754-91-6	Perfluorooctanesulfonamide (FOSA)	2.00	U	2.00	0.92
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	5.00	U	5.00	1.90
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	5.00	U	5.00	1.60
27619-97-2	6:2 FTS	5.00	U	5.00	1.30
39108-34-4	8:2 FTS	2.00	U	2.00	0.77

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 200-182374/1-A

Matrix: Water Lab File ID: PA220804C02.d

Analysis Method: 537 (modified) Date Collected:

Extraction Method: 3535 Date Extracted: 08/04/2022 11:45

Sample wt/vol: 250(mL) Date Analyzed: 08/04/2022 17:09

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.: 182386 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL01892	13C4 PFHpA	105		50-150
STL00990	13C4 PFOA	101		50-150
STL00995	13C5 PFNA	95		50-150
STL00992	13C4 PFBA	99		50-150
STL00993	13C2 PFHxA	101		50-150
STL00996	13C2 PFDA	95		50-150
STL00997	13C2 PFUnA	91		50-150
STL00994	18O2 PFHxS	96		50-150
STL00998	13C2 PFDoA	81		50-150
STL00991	13C4 PFOS	90		50-150
STL01056	13C8 FOSA	74		50-150
STL01893	13C5 PFPeA	103		50-150
STL02116	13C2 PFTeDA	88		50-150
STL02118	d3-NMeFOSAA	71		50-150
STL02117	d5-NEtFOSAA	72		50-150
STL02279	M2-6:2 FTS	95		50-150
STL02337	13C3 PFBS	96		50-150
STL02280	M2-8:2 FTS	93		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d
Lims ID: MB 200-182374/1-A
Client ID:
Sample Type: MB
Inject. Date: 04-Aug-2022 17:09:28 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: MB 200-182374/1-A
Misc. Info.: 200-0051963-002 Plate: 1 Rack: 3
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 05-Aug-2022 14:47:53 Calib Date: 03-Aug-2022 13:41:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1640

First Level Reviewer: khanphomeea Date: 05-Aug-2022 09:03:55
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	0.598	2022132	1.24		99.3	7719	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.085	0.0	1.004	26584	0.0169			2.3	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.386	2.400	-0.014	0.687	1617103	1.29		103	3120	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.386	2.400	-0.014	1.000	12452	0.009336			0.5	M
D 47 13C3 PFBS										
301.90 > 80.00	2.400	2.413	-0.013	0.691	1614112	1.11		95.7	262156	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.413	2.413	0.0	1.006	10940	0.007138	Target=2.23		13.0	M
298.90 > 99.00	2.400	2.413	-0.013	1.000	6156		1.78(1.11-3.34)		4.3	M
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.701	2.713	-0.012	0.778	142775	1.14		98.0	133	M
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.701	2.713	-0.012	1.000	1789	0.006155			36.2	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.737	2.750	-0.013	1.000	10616	0.008044	Target=12.24		2.1	M
313.00 > 119.00	2.750	2.750	0.0	1.004	1677		6.33(6.12-18.36)		2.1	M
D 7 13C2 PFHxA										M
315.00 > 270.00	2.737	2.750	-0.013	0.788	1580971	1.26		101	1905	M
70 Perfluoropentanesulfonic acid										
349.00 > 80.00	2.750	2.750	0.0	0.884	7121	0.005612	Target=2.95		10.7	
349.00 > 99.00	2.750	2.750	0.0	0.884	2289		3.11(1.48-4.43)		5.5	
D 64 13C3 HFPO-DA										M
287.00 > 169.00	2.847	2.859	-0.012	0.820	284760	1.21		96.7	1423	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.847	2.859	-0.012	1.000	1776	0.007255			20.8	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.110	3.110	0.0	0.895	1157212	1.13		95.9	2131	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.110	3.110	0.0	1.000	10447	0.009679	Target=3.43		26.6	M
399.00 > 99.00	3.121	3.110	0.011	1.004	2942		3.55(1.72-5.15)		3.0	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.110	3.121	-0.011	0.895	1698304	1.31		105	3123	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.110	3.121	-0.011	1.000	10922	0.007800	Target=3.73		3.2	M
363.00 > 169.00	3.121	3.121	0.0	1.004	2192		4.98(1.86-5.59)		4.7	M
77 DONA										M
377.00 > 251.00	3.154	3.154	0.0	0.832	18375	0.006541	Target=2.84		44.2	
377.00 > 85.00	3.154	3.154	0.0	0.832	7425		2.47(1.42-4.26)		10.9	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.465	3.465	0.0	0.997	192008	1.12		94.7	501	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.447	3.465	-0.018	0.995	1237	-0.0116			6.6	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.465	3.465	0.0	0.914	4410	0.005231	Target=4.89		14.8	M
449.00 > 99.00	3.456	3.465	-0.009	0.911	1035		4.26(2.44-7.33)		6.2	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.474	3.474	0.0	1.000	10548	0.007014	Target=2.67		1.3	M
413.00 > 169.00	3.474	3.474	0.0	1.000	5125		2.06(1.34-4.01)		12.1	M
D 14 13C4 PFOA										
417.00 > 372.00	3.474	3.474	0.0	1.000	1676400	1.26		101	3460	
* 62 13C2 PFOA										
415.00 > 370.00	3.474	3.474	0.0		1745312	1.25			2518	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.792	3.792	0.0	1.000	8945	-0.005291	Target=4.88		5.9	M
499.00 > 99.00	3.792	3.792	0.0	1.000	2355		3.80(2.44-7.32)		5.2	M
D 18 13C4 PFOS										
503.00 > 80.00	3.792	3.792	0.0	1.092	815032	1.07		89.6	3140	
20 Perfluorononanoic acid										M
463.00 > 419.00	3.812	3.812	0.0	1.000	7756	0.005829	Target=8.23		2.6	
463.00 > 169.00	3.812	3.812	0.0	1.000	1032		7.52(4.11-12.34)		15.1	M
D 19 13C5 PFNA										M
468.00 > 423.00	3.812	3.812	0.0	1.097	1634613	1.18		94.7	1956	M
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.960	3.960	0.0	1.044	5972	0.004957			55.4	
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.093	4.093	0.0	1.079	3090	0.005786	Target=2.53		26.9	
549.00 > 99.00	4.093	4.093	0.0	1.079	1652		1.87(1.26-3.79)		8.5	M
24 Perfluorodecanoic acid										RM
513.00 > 469.00	4.127	4.116	0.011	1.003	9352	0.006954	Target=9.67		7.0	R
513.00 > 169.00	4.115	4.116	-0.001	1.000	437		21.40(4.83-14.50)		2.9	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 23 13C2 PFDA										M
515.00 > 470.00	4.115	4.116	-0.001	1.185	1598522	1.19		95.2	1458	M
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.138	4.127	0.011	1.003	1120	0.006086			26.0	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.127	4.127	0.0	1.188	228215	1.11		92.8	912	
D 21 13C8 FOSA										M
506.00 > 78.00	4.161	4.161	0.0	1.198	1082584	0.9205		73.6	1306	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.161	4.161	0.0	1.000	8624	0.009772			37.9	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.285	4.261	0.024	1.006	2297	0.0202			9.5	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.261	4.261	0.0	1.227	159989	0.8883		71.1	674	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.376	4.365	0.011	1.154	2050	0.005159	Target=2.80		36.9	M
599.00 > 99.00	4.365	4.365	0.0	1.151	843		2.43(1.40-4.20)		10.7	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.398	4.387	0.011	1.266	1152191	1.13		90.5	2194	
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.398	4.387	0.011	1.000	6929	0.007095	Target=9.07		7.3	M
563.00 > 169.00	4.387	4.387	0.0	0.997	764		9.07(4.54-13.61)		10.0	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.410	4.399	0.011	1.000	1907	0.0171			27.5	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.410	4.399	0.011	1.270	153339	0.8995		72.0	738	
66 11-Chloroeicosafluoro-3-oxaundec										
631.00 > 451.00	4.504	4.491	0.013	1.188	8013	0.005110			62.2	
D 36 13C2 PFDoA										M
615.00 > 570.00	4.643	4.633	0.010	1.337	1065379	1.01		80.8	1021	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.643	4.633	0.010	1.000	6365	0.007364	Target=6.97		1.3	M
613.00 > 169.00	4.633	4.633	0.0	0.998	1066		5.97(3.48-10.45)		22.2	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.654	4.654	0.0	1.128	551	0.006409			19.8	M
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.813	4.813	0.0	1.269	508	0.002879	Target=0.52		9.2	M
699.00 > 99.00	4.825	4.813	0.012	1.272	1635		0.31(0.26-0.79)		41.2	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.870	4.859	0.011	1.049	4777	0.006376	Target=4.56		1.1	
663.00 > 169.00	4.870	4.859	0.011	1.049	1224		3.90(2.28-6.84)		13.2	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.071	5.052	0.019	1.460	946784	1.10		87.8	2211	M
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.071	5.052	0.019	1.000	759	0.006255	Target=0.94		13.1	
713.00 > 219.00	5.062	5.052	0.010	0.998	1220		0.62(0.47-1.41)		32.2	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.455	5.422	0.033	1.002	13655	-0.002713	Target=4.38		5.3	
813.00 > 169.00	5.444	5.422	0.022	1.000	3263		4.18(2.19-6.57)		45.5	
D 44 13C2 PFHxDA										
815.00 > 770.00	5.444	5.422	0.022	1.567	1057181	1.08		86.1	2556	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.833	5.795	0.038	1.071	4134	0.007351	Target=4.31		2.2	M
913.00 > 169.00	5.833	5.795	0.038	1.071	782		5.29(2.16-6.47)		14.4	M

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Report Date: 05-Aug-2022 14:47:58 Chrom Revision: 2.3 04-Aug-2022 18:02:28

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d

Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812

Lims ID: MB 200-182374/1-A

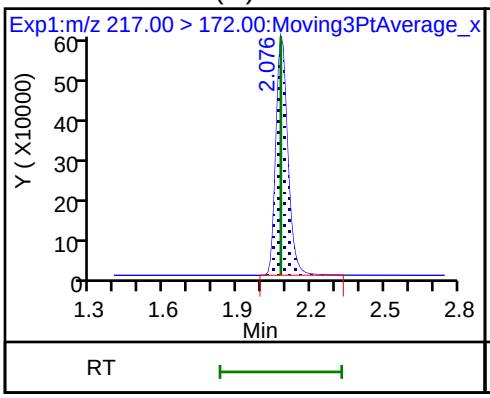
Client ID:

Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2

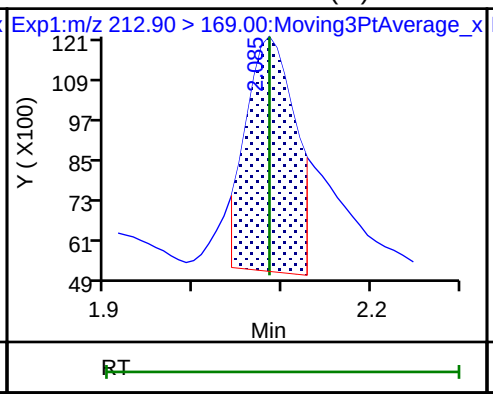
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

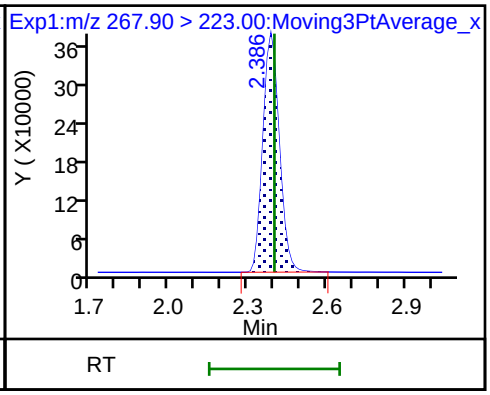
D 1 13C4 PFBA (M)



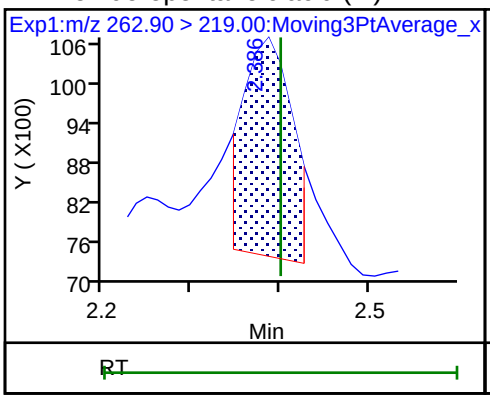
2 Perfluorobutanoic acid (M)



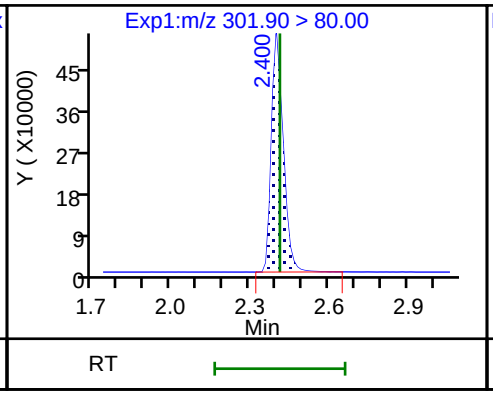
D 3 13C5 PFPeA



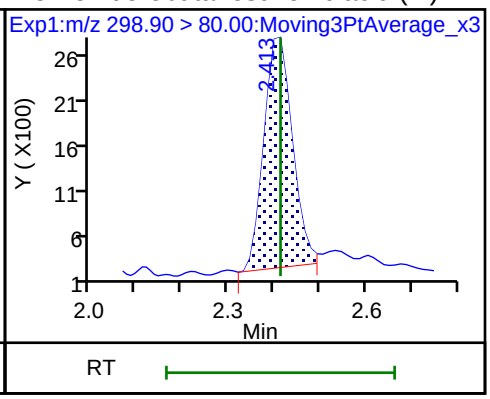
4 Perfluoropentanoic acid (M)



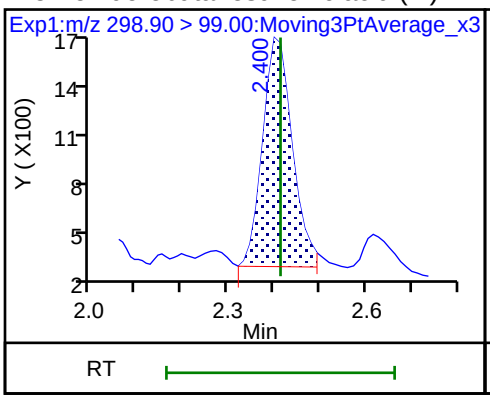
D 47 13C3 PFBS



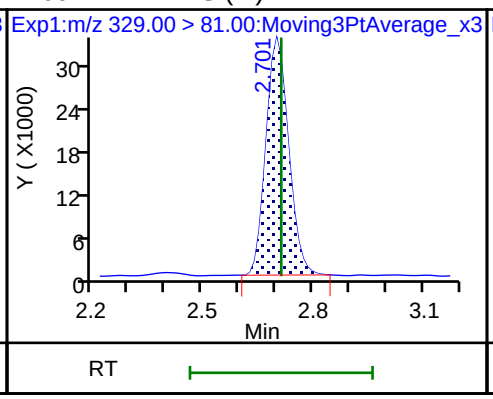
5 Perfluorobutanesulfonic acid (M)



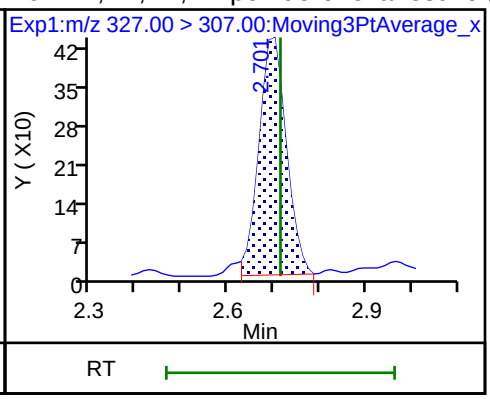
5 Perfluorobutanesulfonic acid (M)



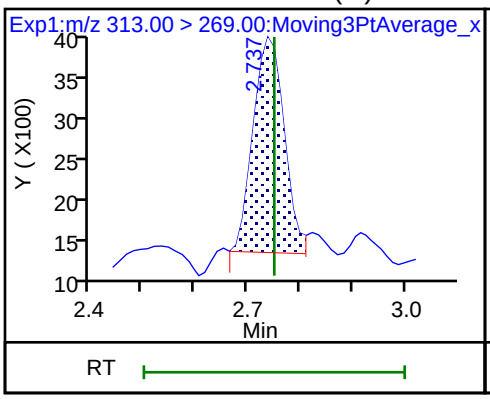
D 60 M2-4:2 FTS (M)



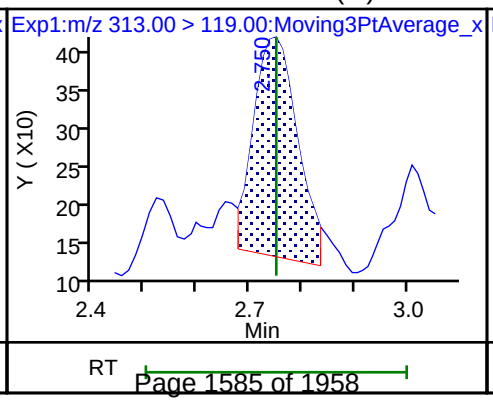
61 1H,1H,2H,2H-perfluorohexanesulfo (M)



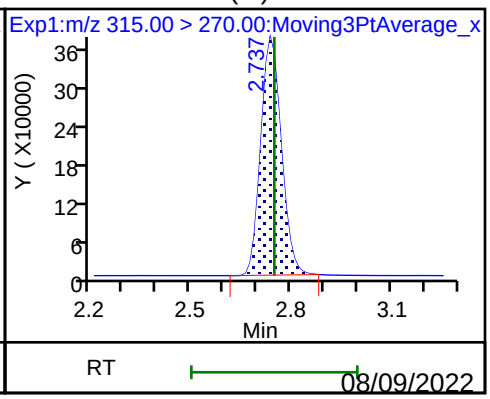
6 Perfluorohexanoic acid (M)



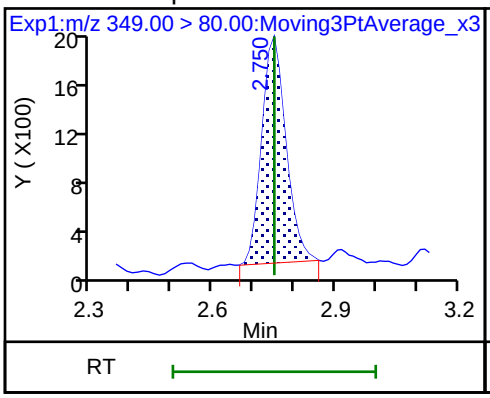
6 Perfluorohexanoic acid (M)



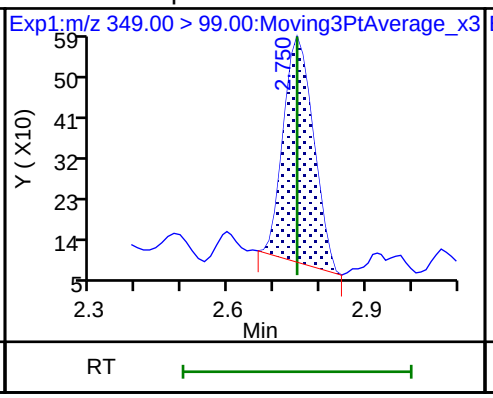
D 7 13C2 PFHxA (M)



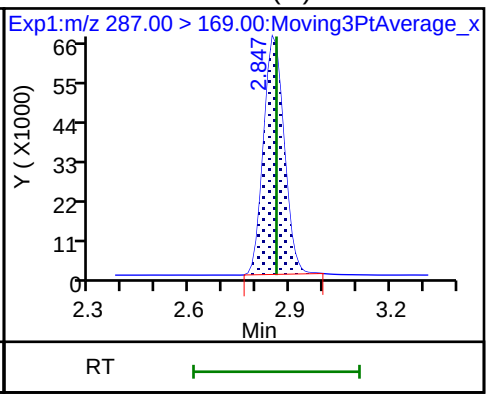
70 Perfluoropentanesulfonic acid



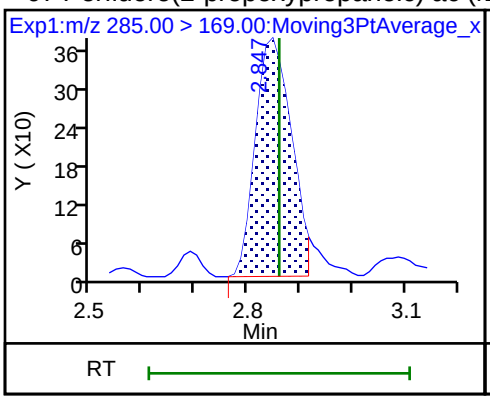
70 Perfluoropentanesulfonic acid



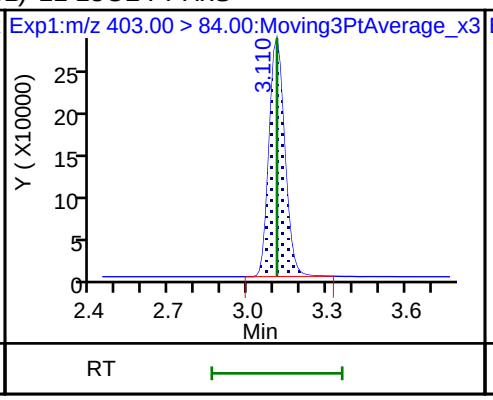
D 64 13C3 HFPO-DA (M)



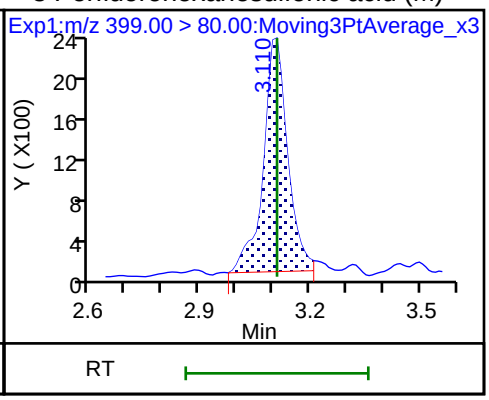
67 Perfluoro(2-propoxypropanoic) ac (M)



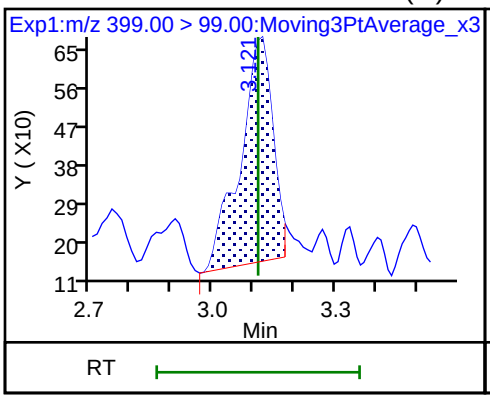
D 11 18O2 PFHxS



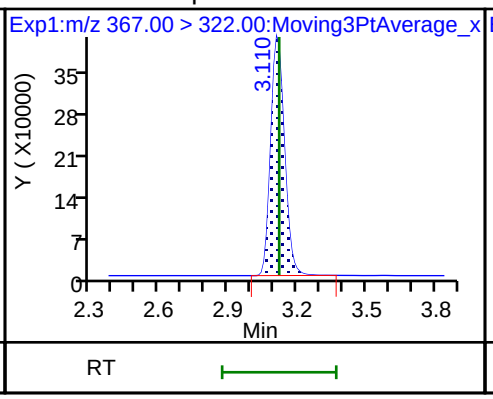
8 Perfluorohexanesulfonic acid (M)



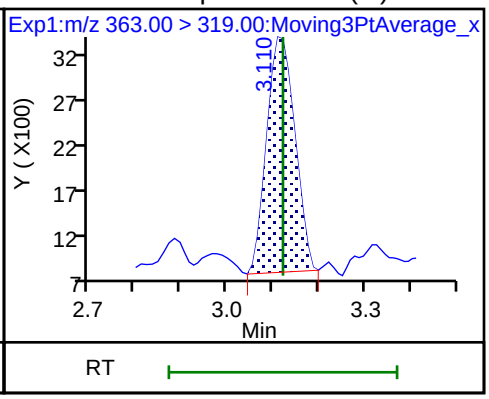
8 Perfluorohexanesulfonic acid (M)



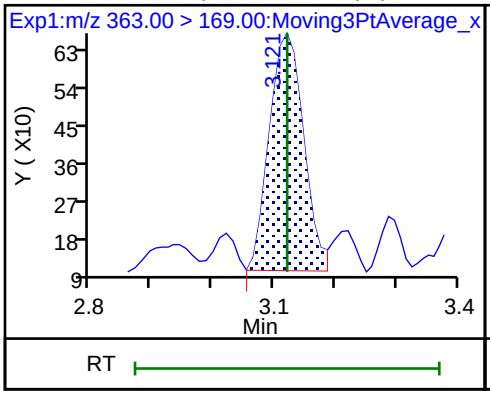
D 9 13C4 PFHpA



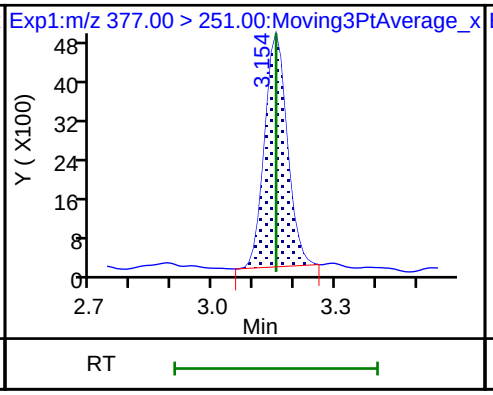
10 Perfluoroheptanoic acid (M)



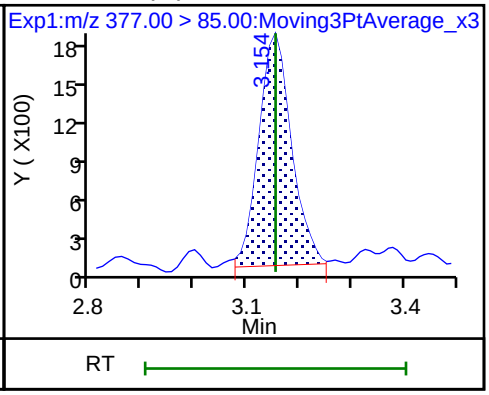
10 Perfluoroheptanoic acid (M)



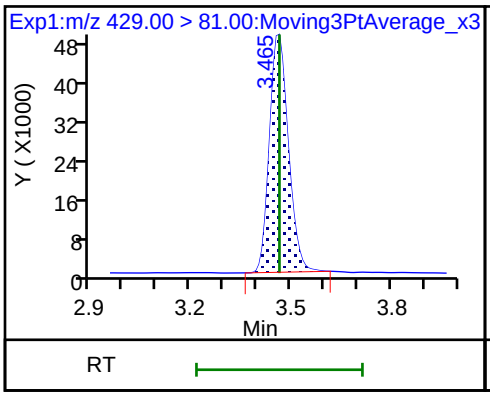
77 DONA



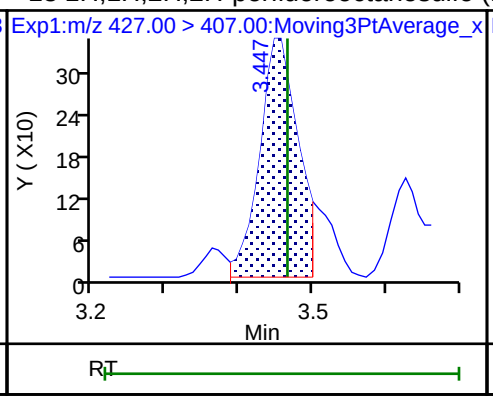
77 DONA (M)



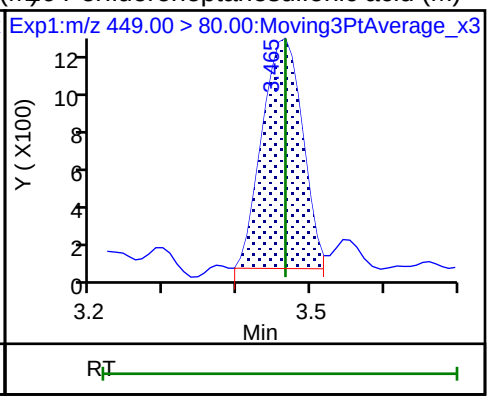
D 12 M2-6:2 FTS



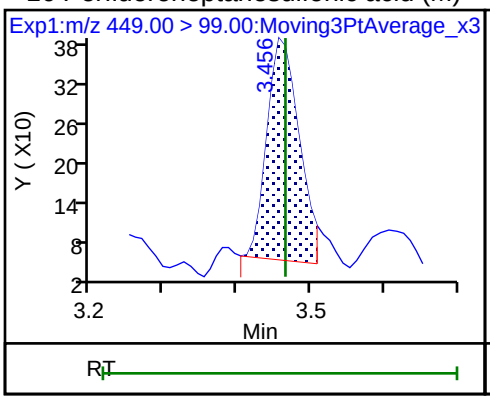
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



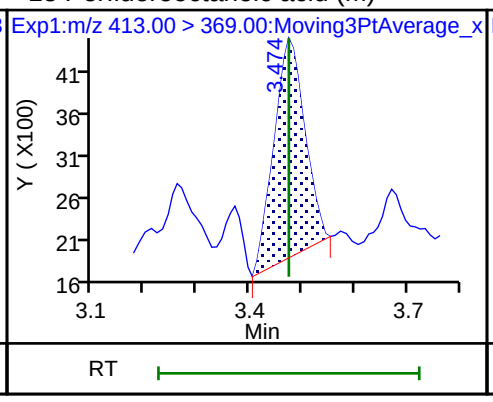
16 Perfluoroheptanesulfonic acid (M)



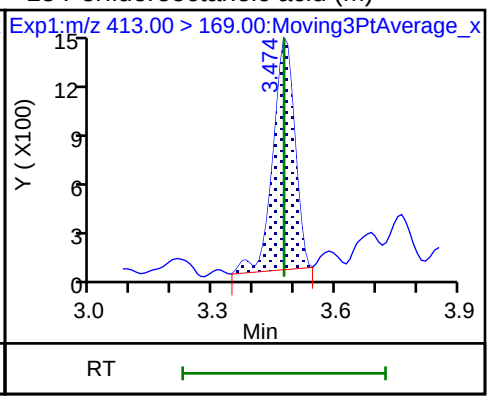
16 Perfluoroheptanesulfonic acid (M)



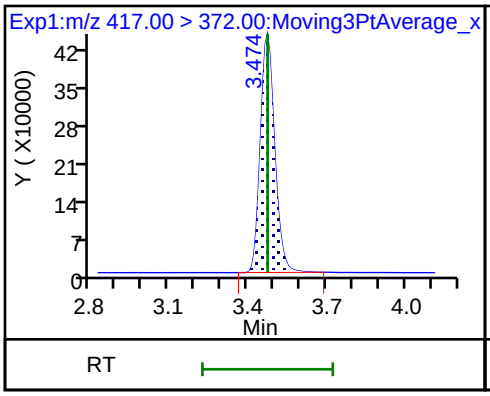
15 Perfluorooctanoic acid (M)



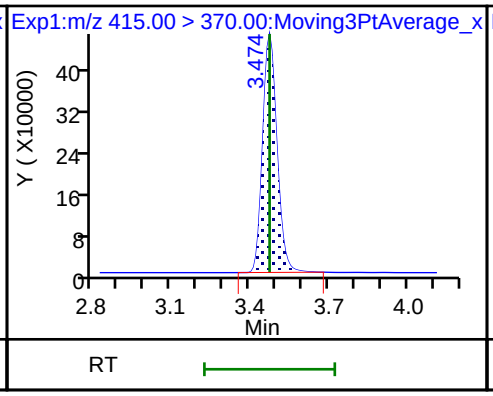
15 Perfluorooctanoic acid (M)



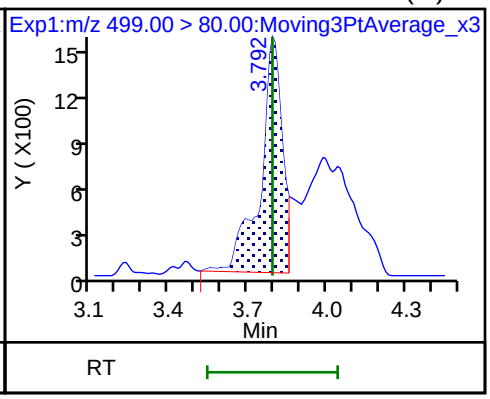
D 14 13C4 PFOA



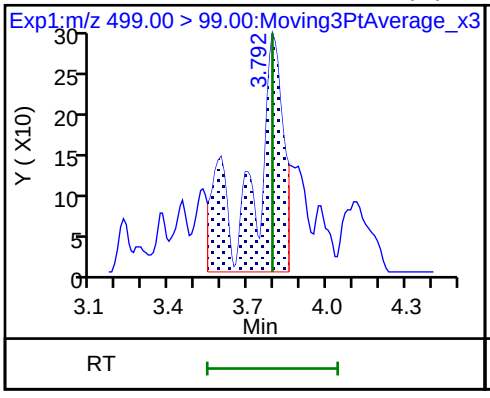
* 62 13C2 PFOA



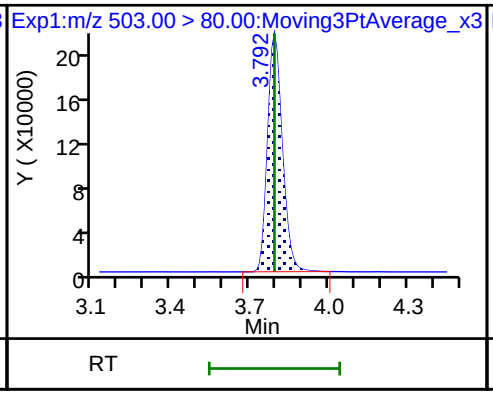
17 Perfluorooctanesulfonic acid (M)



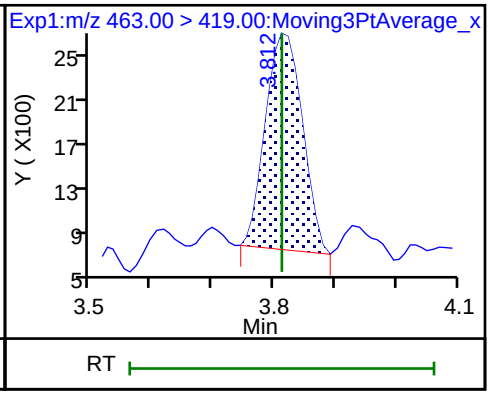
17 Perfluorooctanesulfonic acid (M)



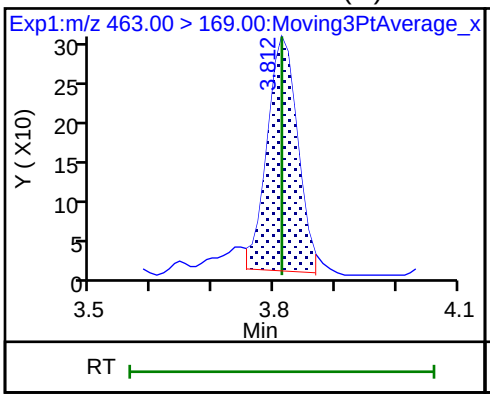
D 18 13C4 PFOS



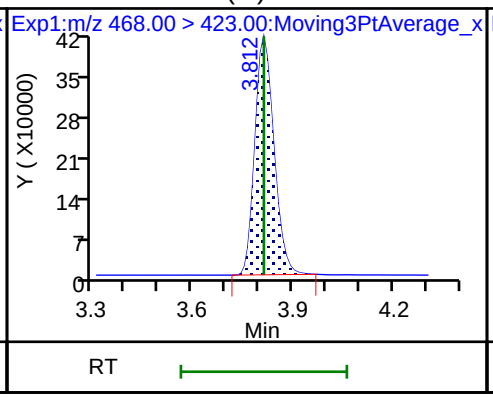
20 Perfluorononanoic acid



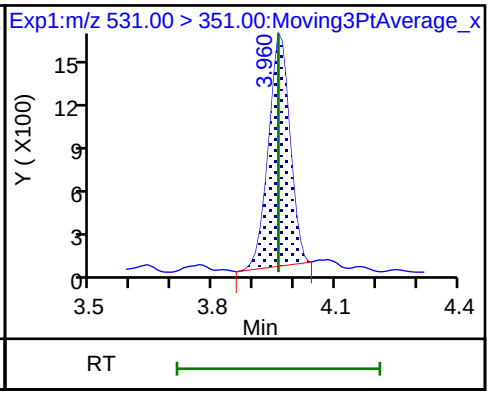
20 Perfluorononanoic acid (M)



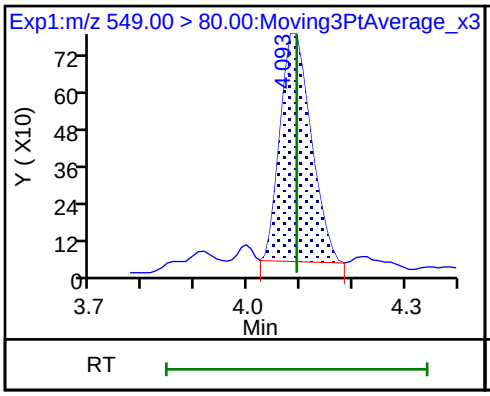
D 19 13C5 PFNA (M)



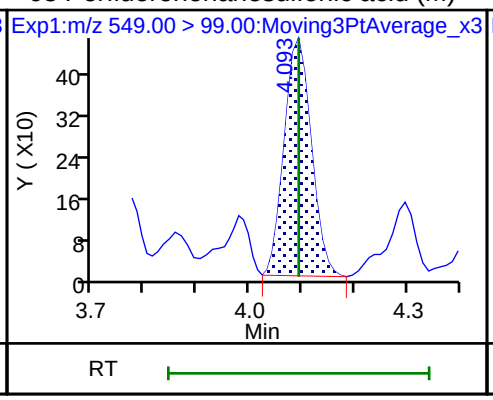
69 9-Chlorohexadecafluoro-3-oxanona



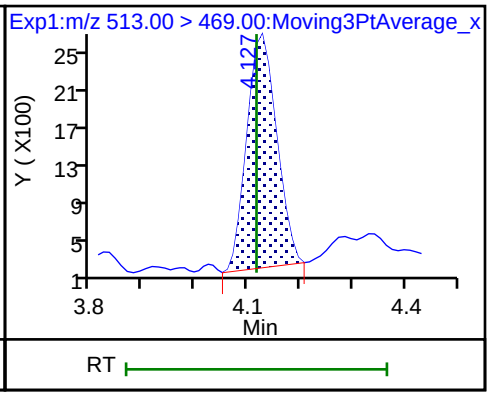
68 Perfluorononanesulfonic acid



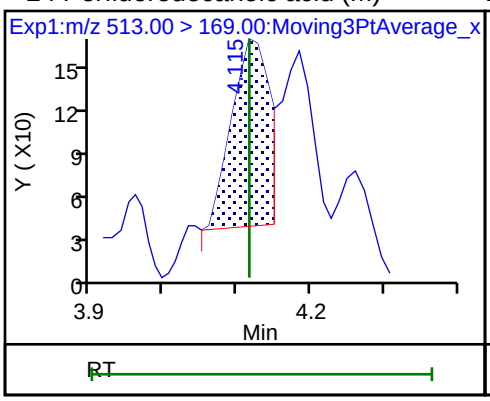
68 Perfluorononanesulfonic acid (M)



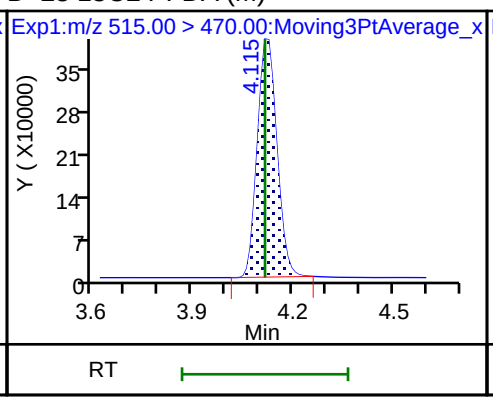
24 Perfluorodecanoic acid



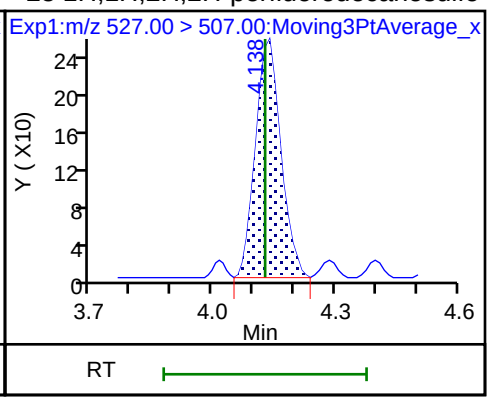
24 Perfluorodecanoic acid (M)



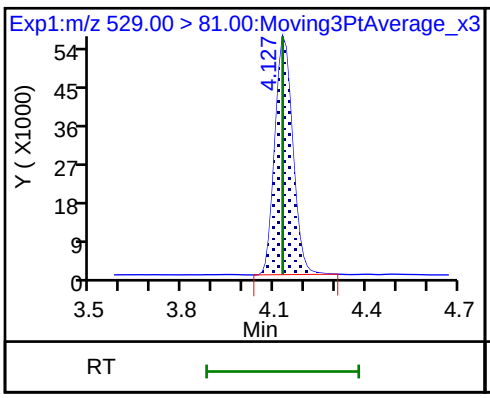
D 23 13C2 PFDA (M)



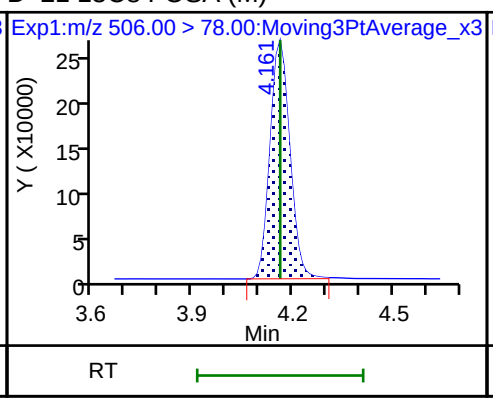
25 1H,1H,2H,2H-perfluorodecanesulfo



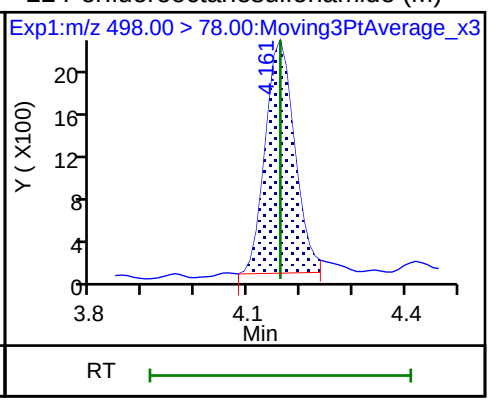
D 26 M2-8:2 FTS



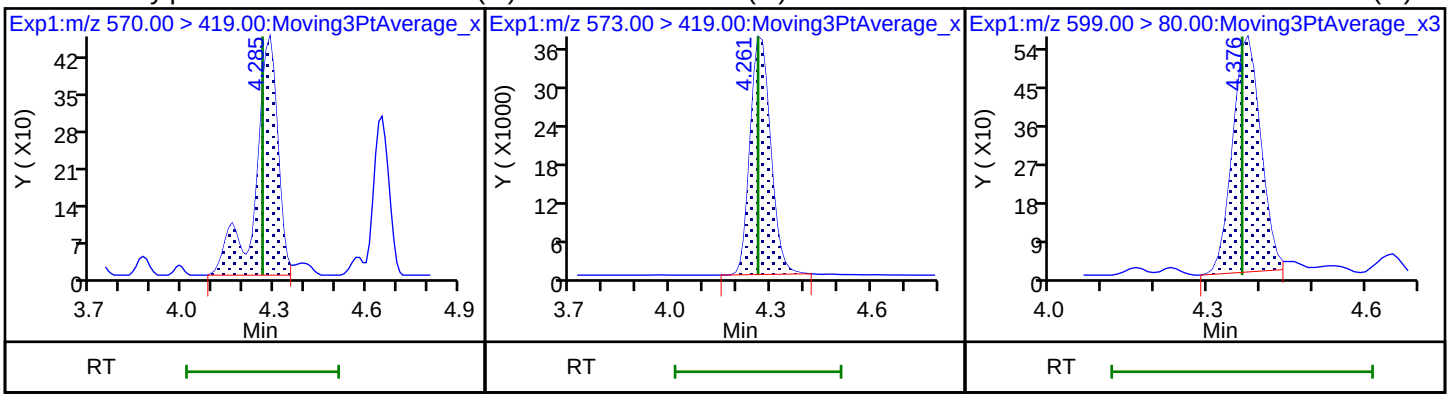
D 21 13C8 FOSA (M)



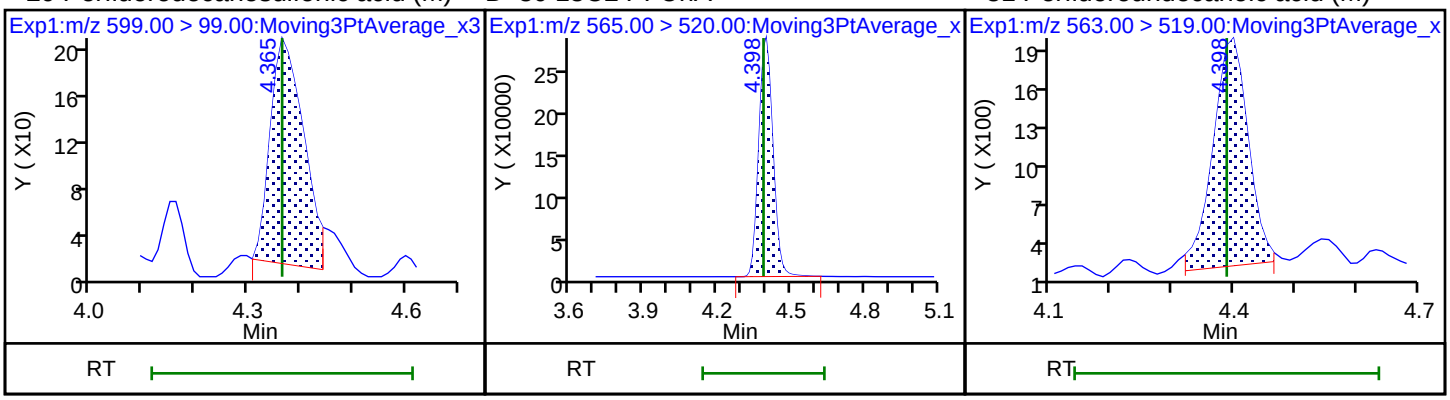
22 Perfluorooctanesulfonamide (M)



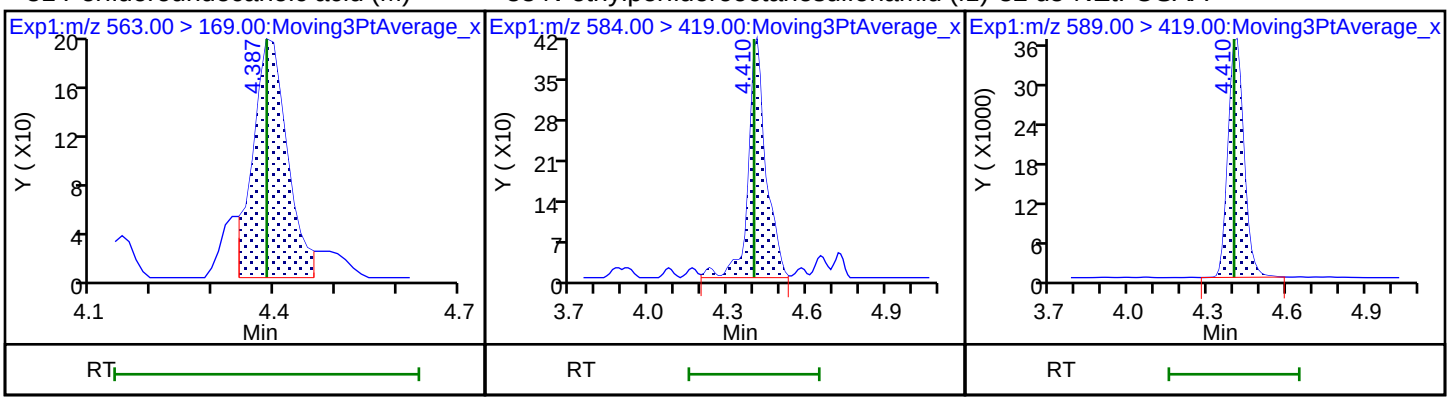
28 N-methylperfluorooctanesulfonami (M) D 27 d3-NMeFOSAA (M) 29 Perfluorodecanesulfonic acid (M)



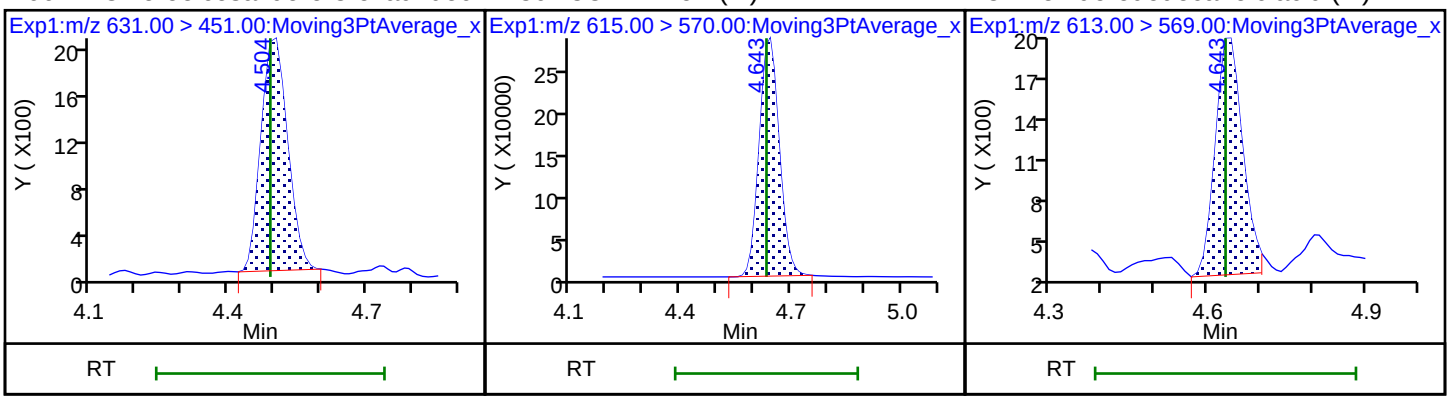
29 Perfluorodecanesulfonic acid (M) D 30 13C2 PFUnA 31 Perfluoroundecanoic acid (M)



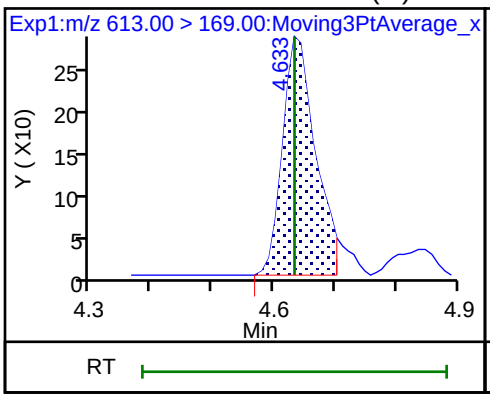
31 Perfluoroundecanoic acid (M) 33 N-ethylperfluorooctanesulfonamid (M) D 32 d5-NEtFOSAA



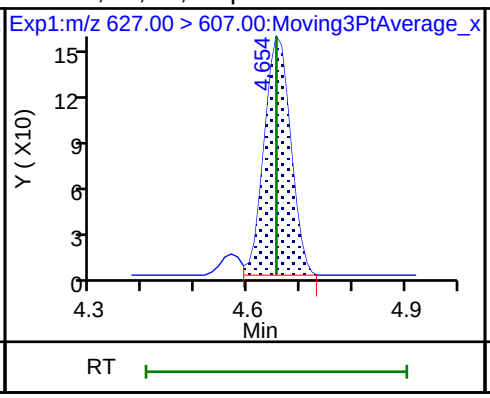
66 11-Chloroeicosafluoro-3-oxaundec D 36 13C2 PFDoA (M) 37 Perfluorododecanoic acid (M)



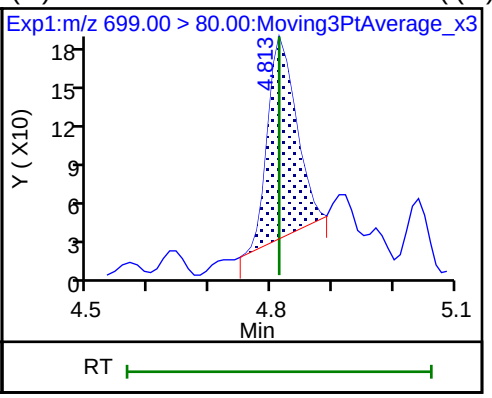
37 Perfluorododecanoic acid (M)



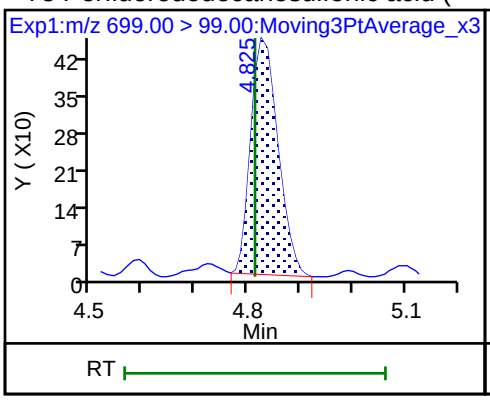
74 1H,1H,2H,2H-perfluorododecanesul (M)



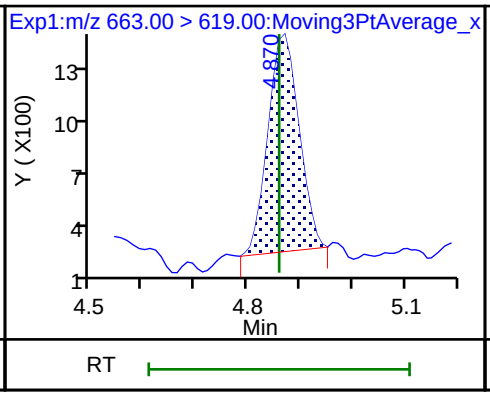
75 Perfluorododecanesulfonic acid ((M)



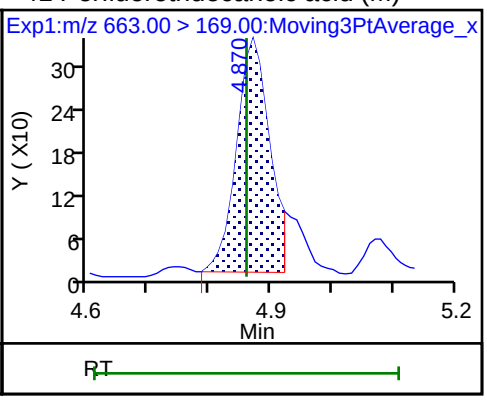
75 Perfluorododecanesulfonic acid (



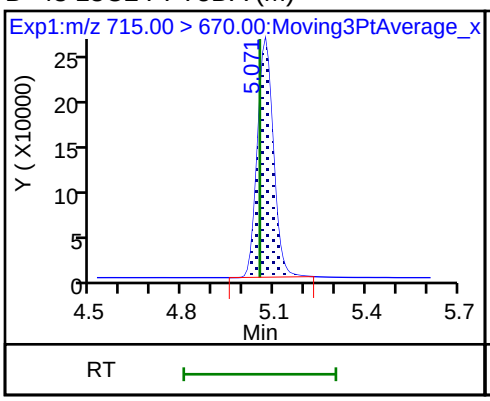
41 Perfluorotridecanoic acid



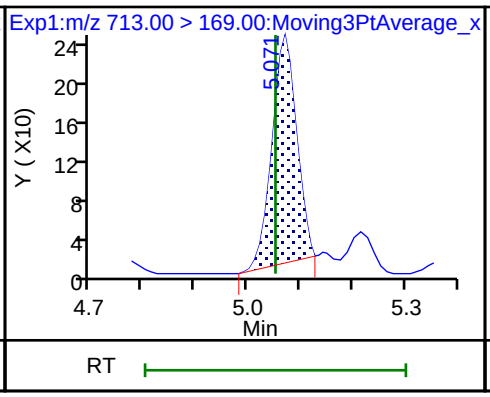
41 Perfluorotridecanoic acid (M)



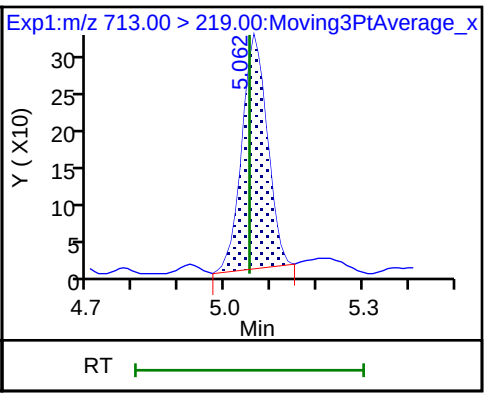
D 43 13C2 PFTeDA (M)



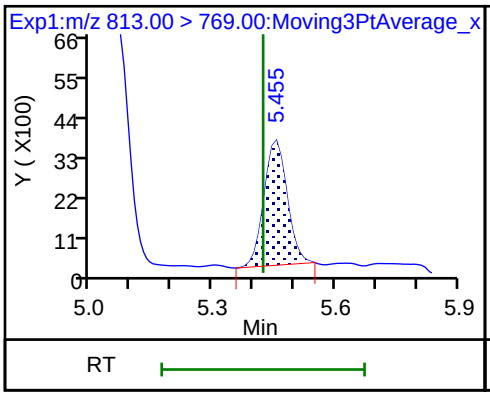
42 Perfluorotetradecanoic acid



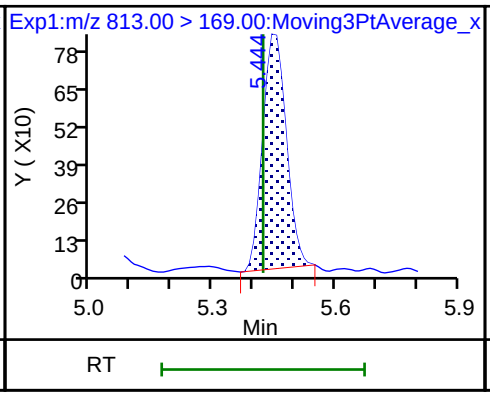
42 Perfluorotetradecanoic acid



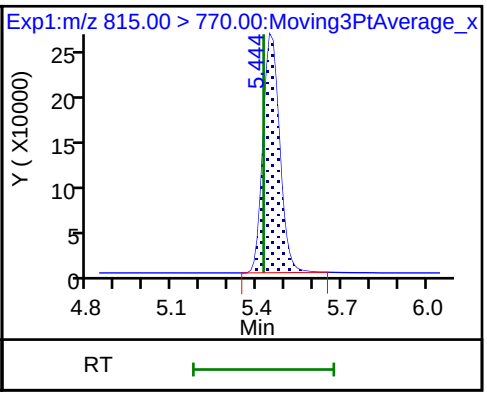
45 Perfluorohexadecanoic acid



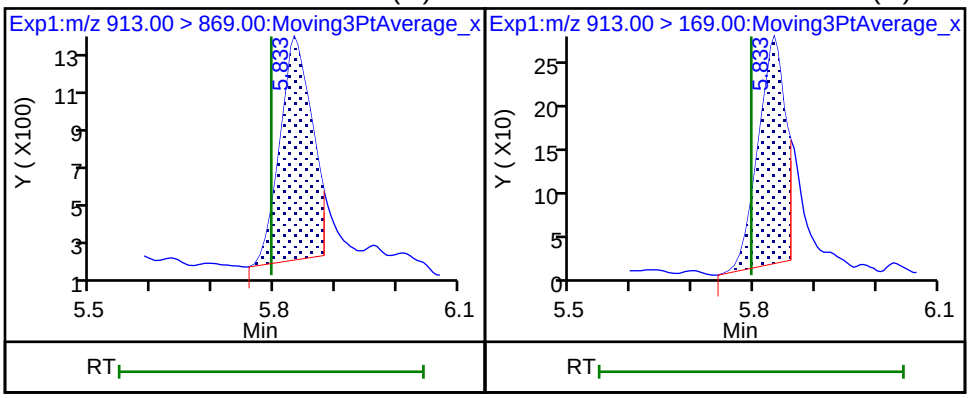
45 Perfluorohexadecanoic acid



D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M) 46 Perfluorooctadecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins Burlington

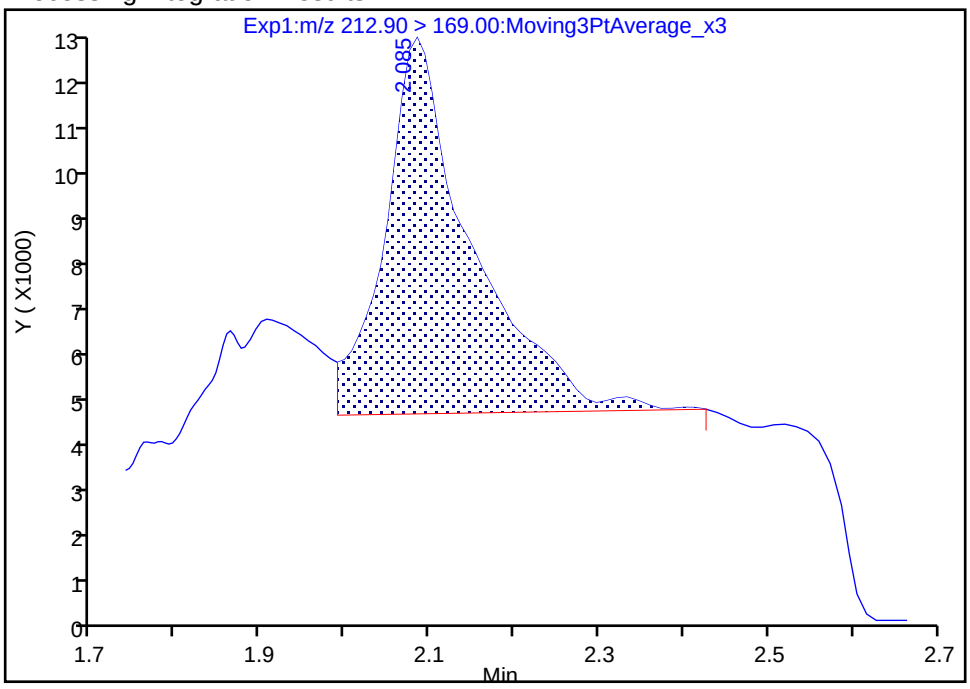
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Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

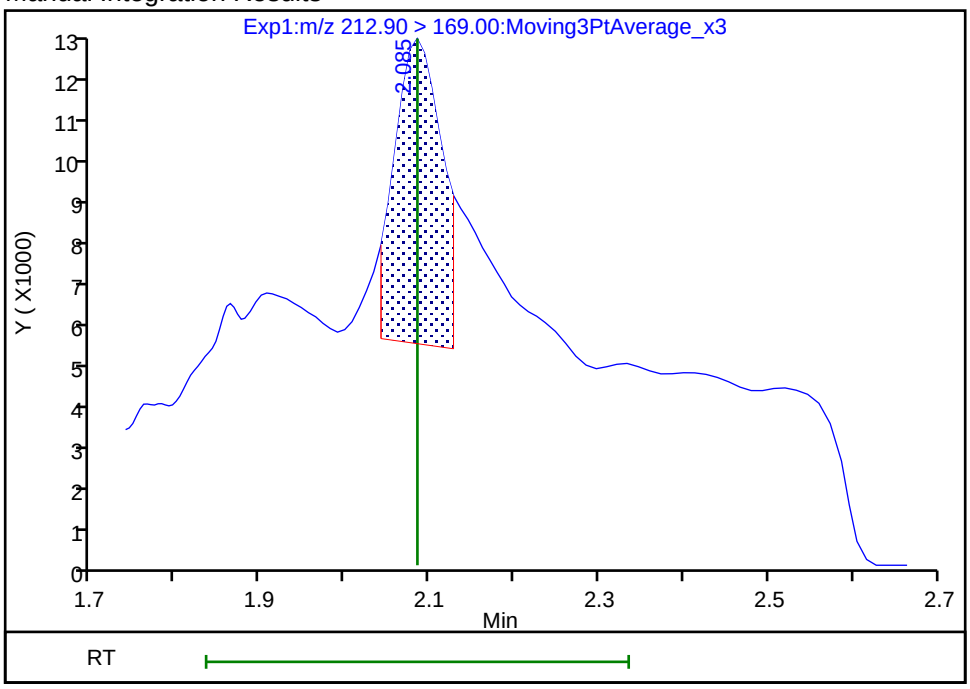
Processing Integration Results

RT: 2.08
Area: 55624
Amount: 0.035419
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 26584
Amount: 0.016947
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:57:29
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

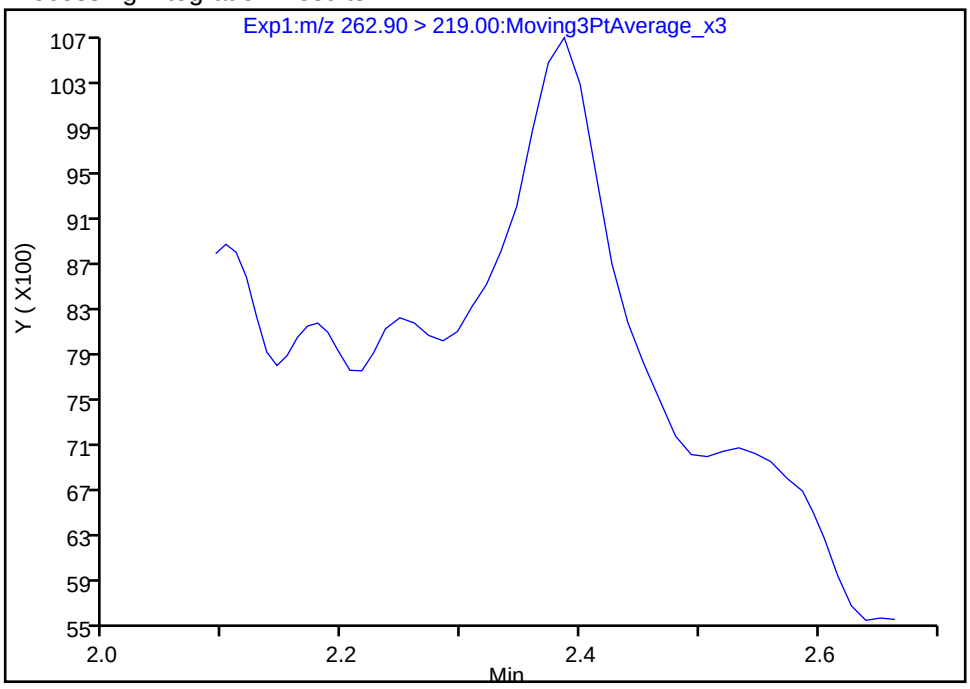
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d				
Injection Date:	04-Aug-2022 17:09:28	Instrument ID:	LC812		
Lims ID:	MB 200-182374/1-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

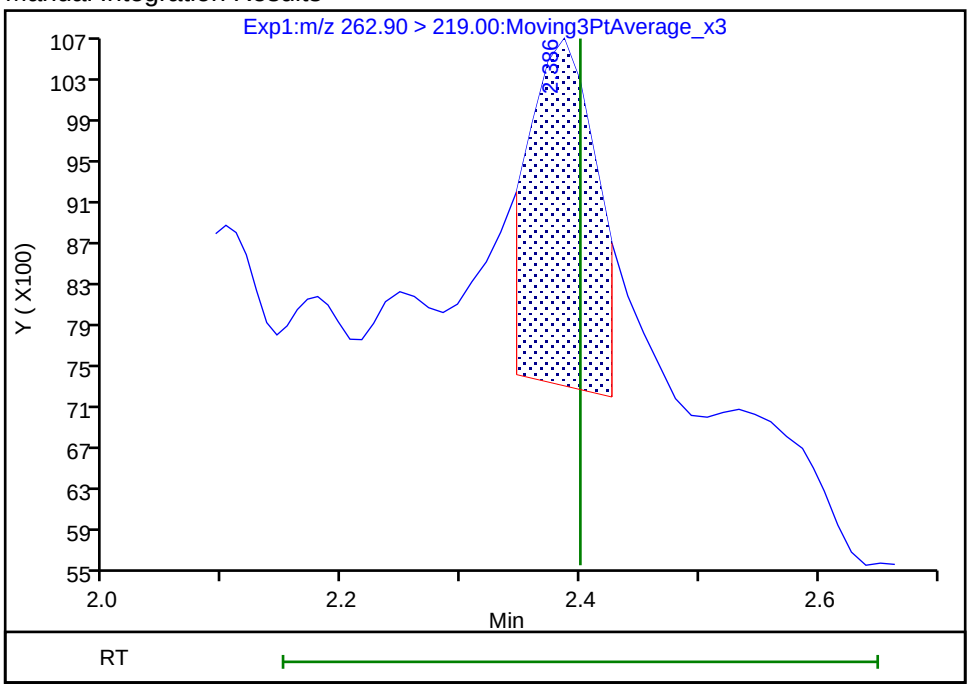
Not Detected
Expected RT: 2.40

Processing Integration Results



Manual Integration Results

RT: 2.39
Area: 12452
Amount: 0.009336
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:57:46
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

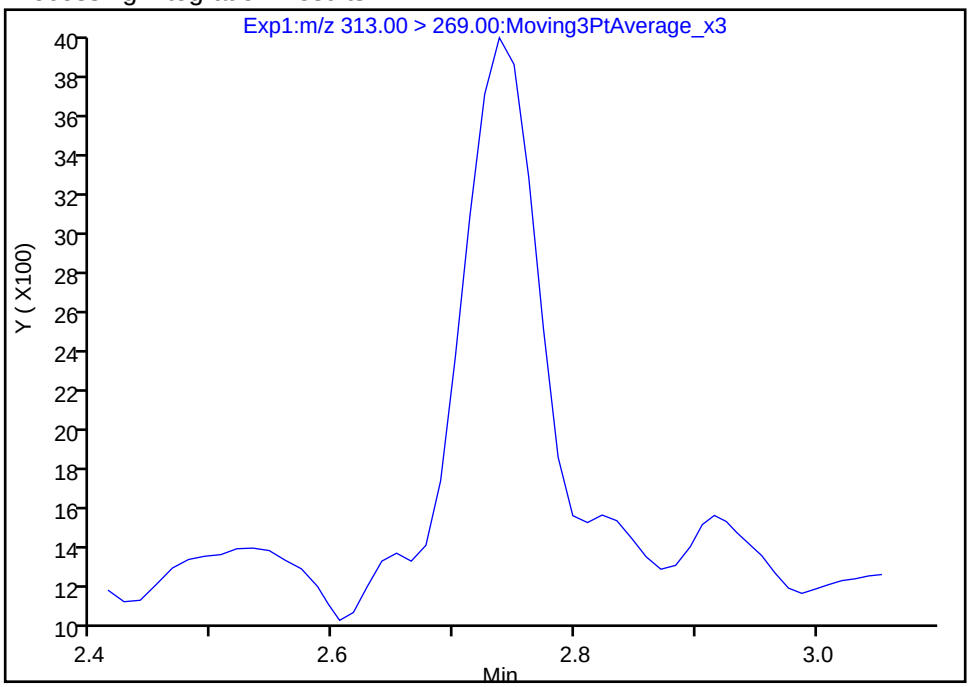
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d
Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

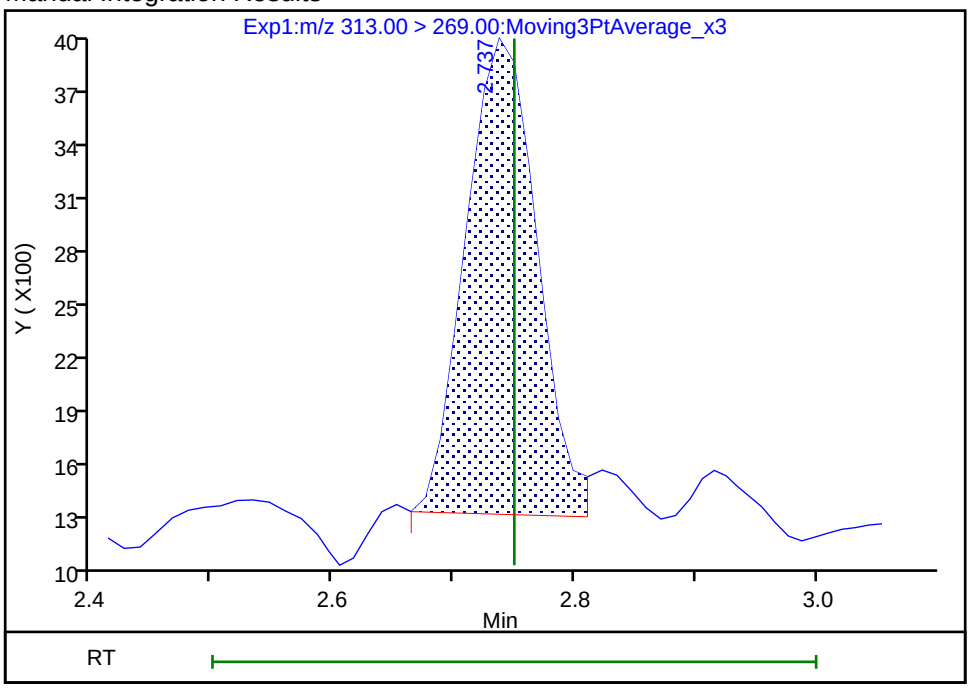
Not Detected
Expected RT: 2.75

Processing Integration Results



Manual Integration Results

RT: 2.74
Area: 10616
Amount: 0.008044
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:58:24
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

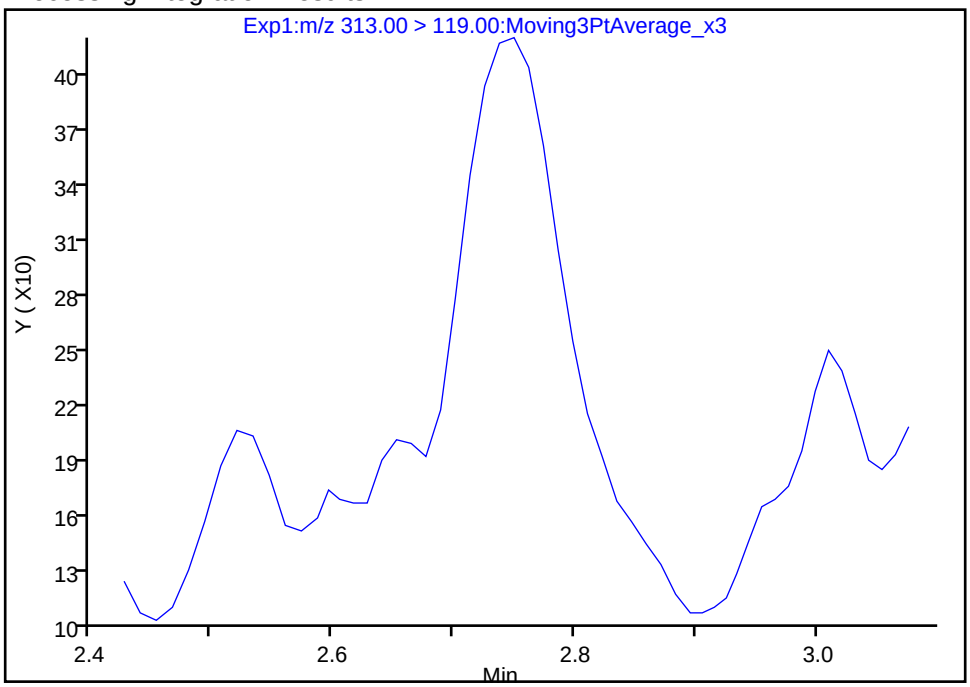
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d
Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

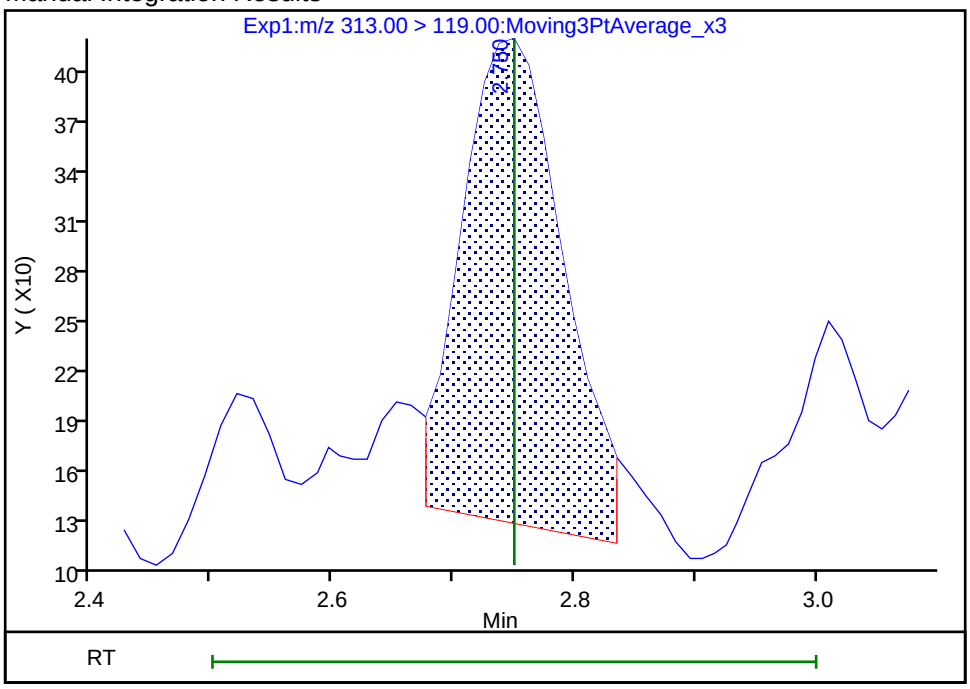
Not Detected
Expected RT: 2.75

Processing Integration Results



Manual Integration Results

RT: 2.75
Area: 1677
Amount: 0.008044
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:58:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

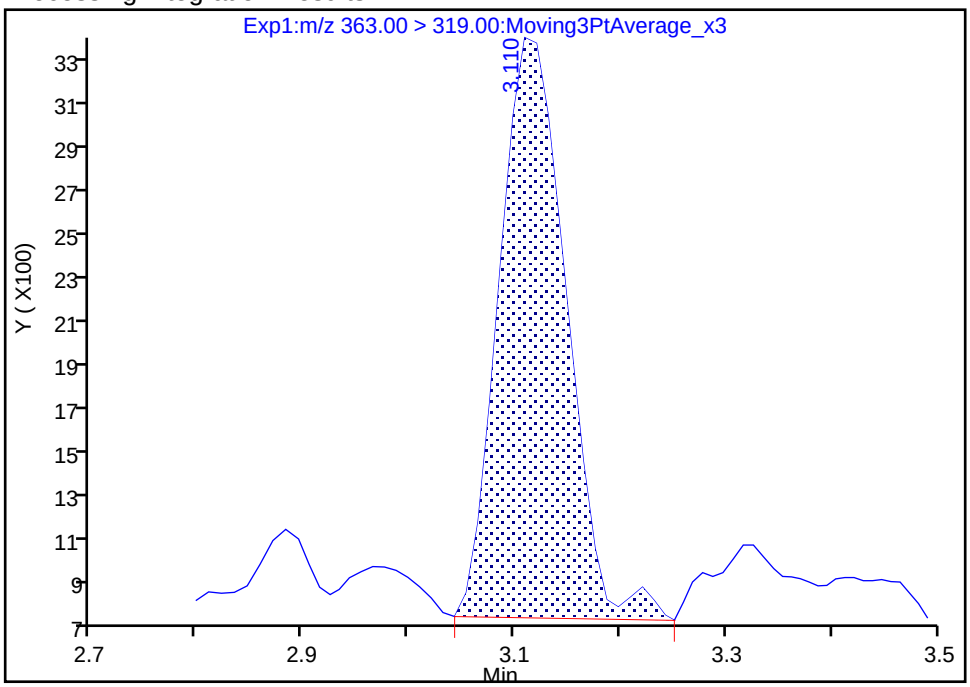
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d
Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

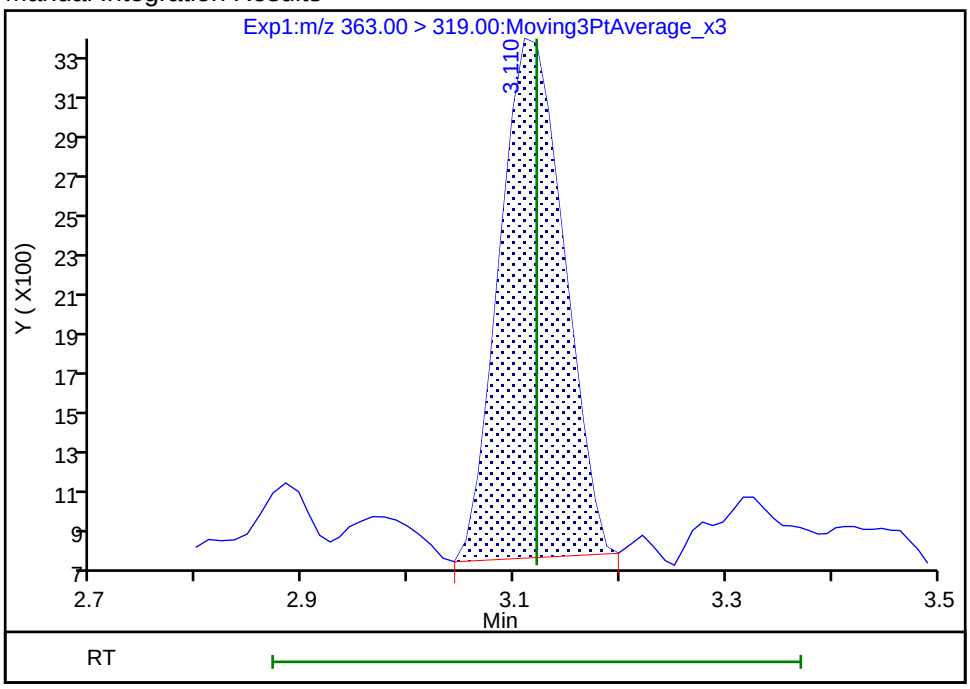
Processing Integration Results

RT: 3.11
Area: 11430
Amount: 0.008163
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 10922
Amount: 0.007800
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:59:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

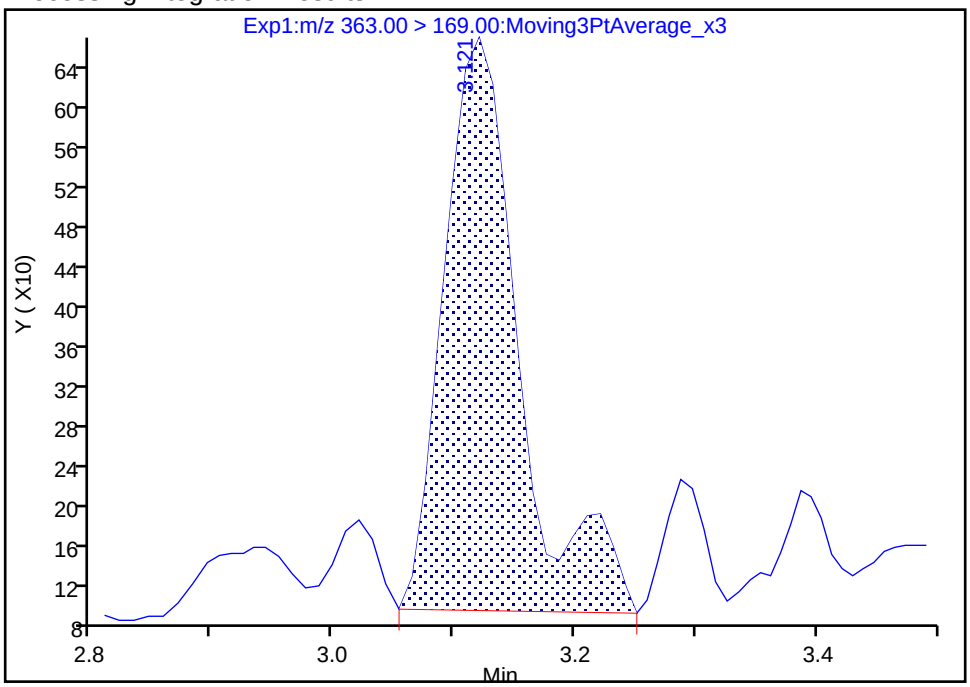
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Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

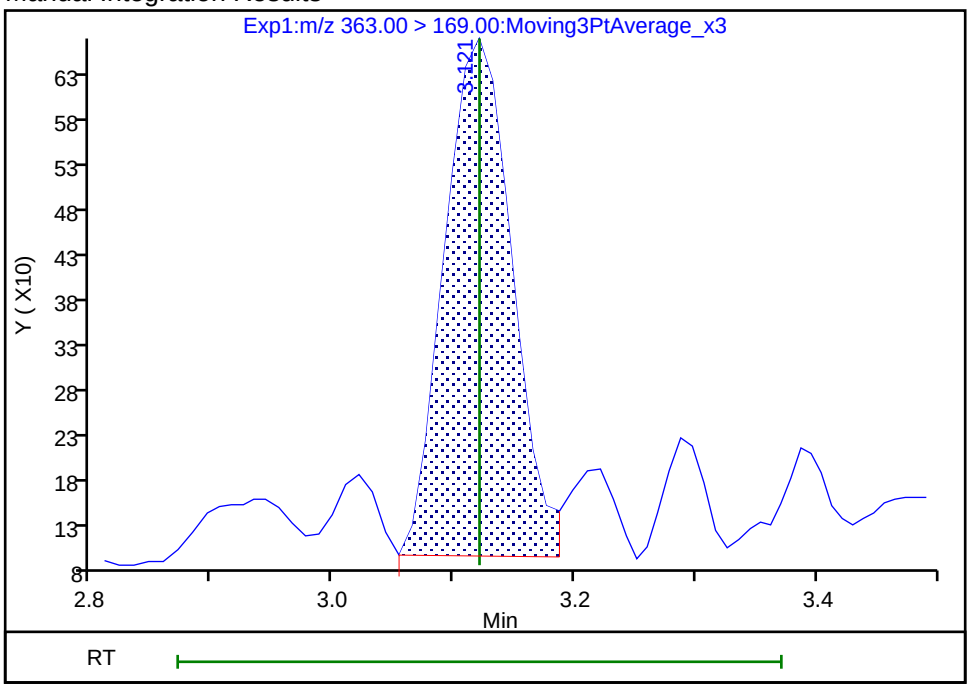
Processing Integration Results

RT: 3.12
Area: 2447
Amount: 0.008163
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 2192
Amount: 0.007800
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:59:09
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

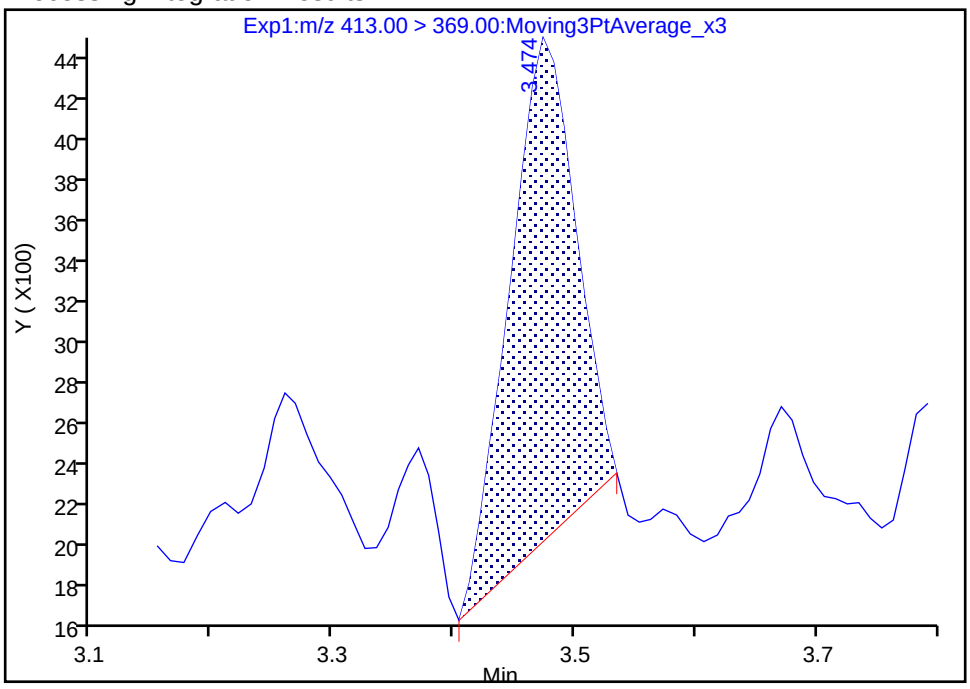
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d
Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

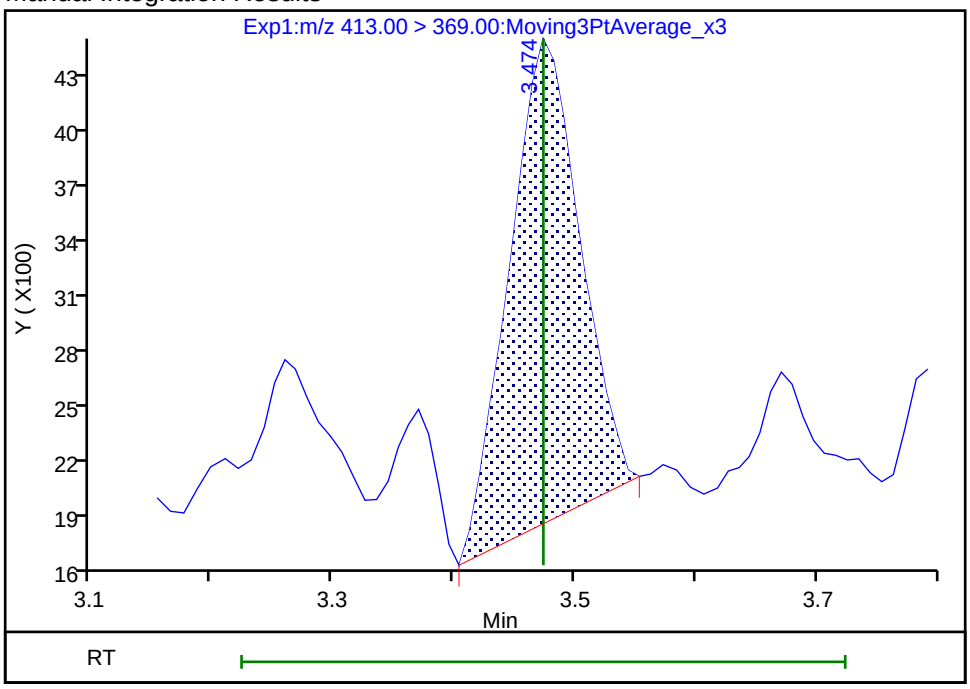
Processing Integration Results

RT: 3.47
Area: 9263
Amount: 0.006159
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 10548
Amount: 0.007014
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:59:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

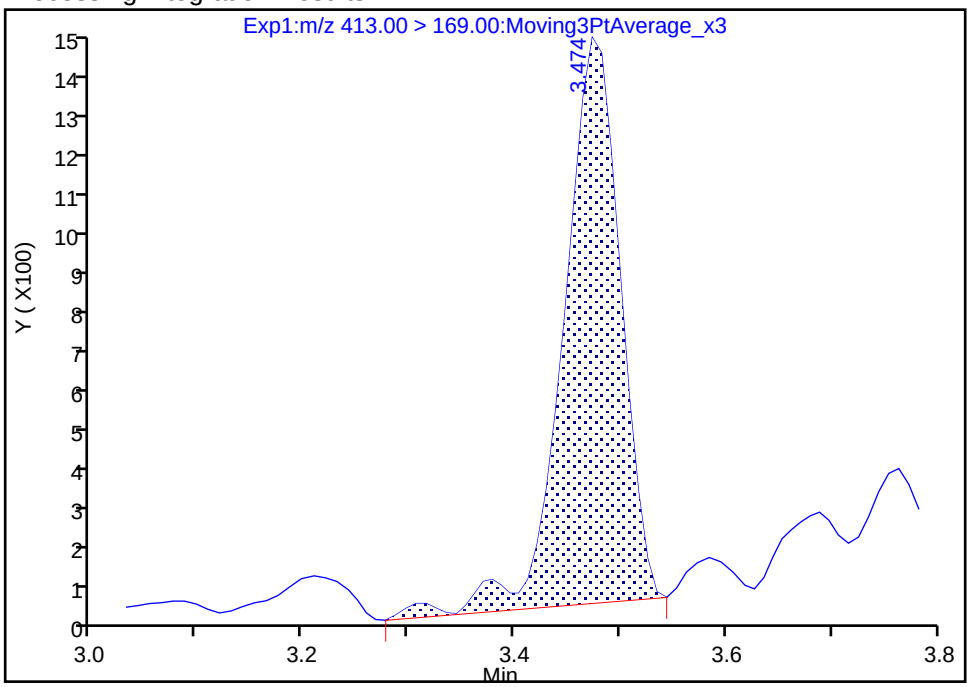
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d
Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

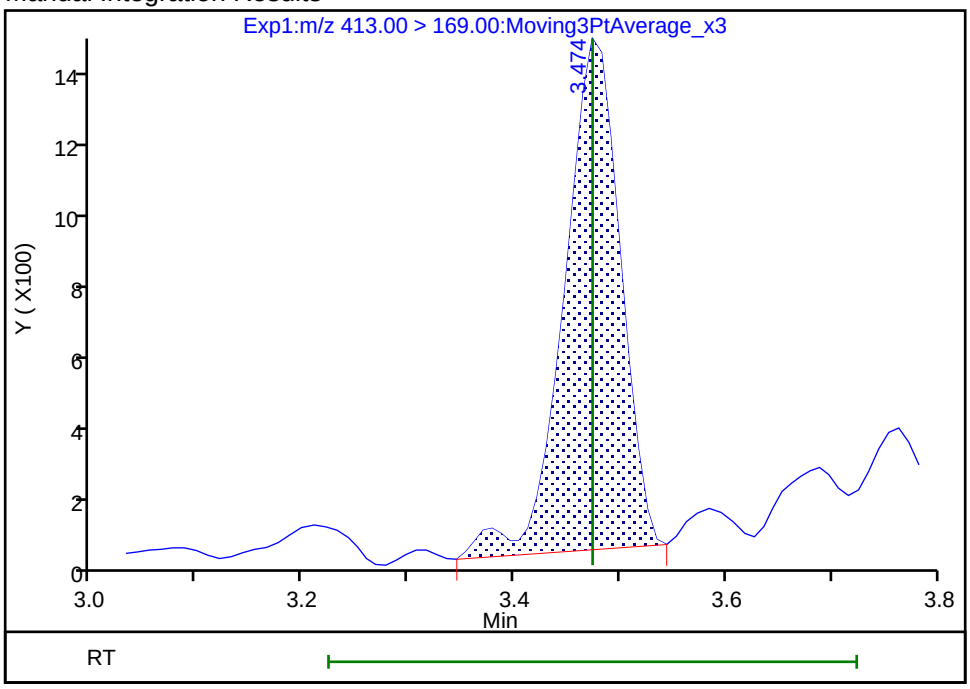
Processing Integration Results

RT: 3.47
Area: 5210
Amount: 0.006159
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 5125
Amount: 0.007014
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:59:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

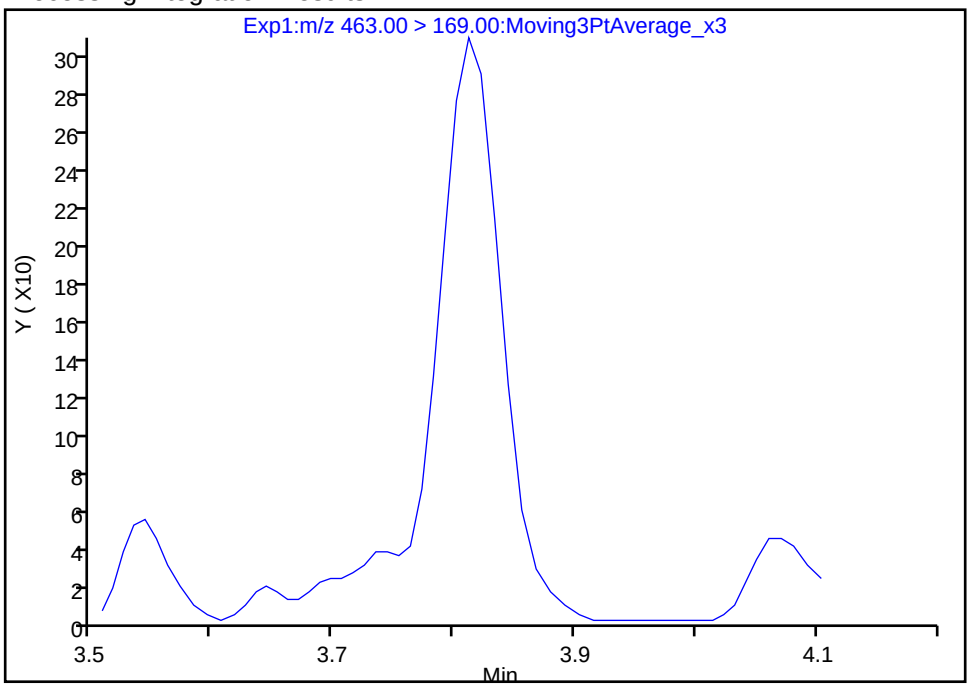
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d
Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

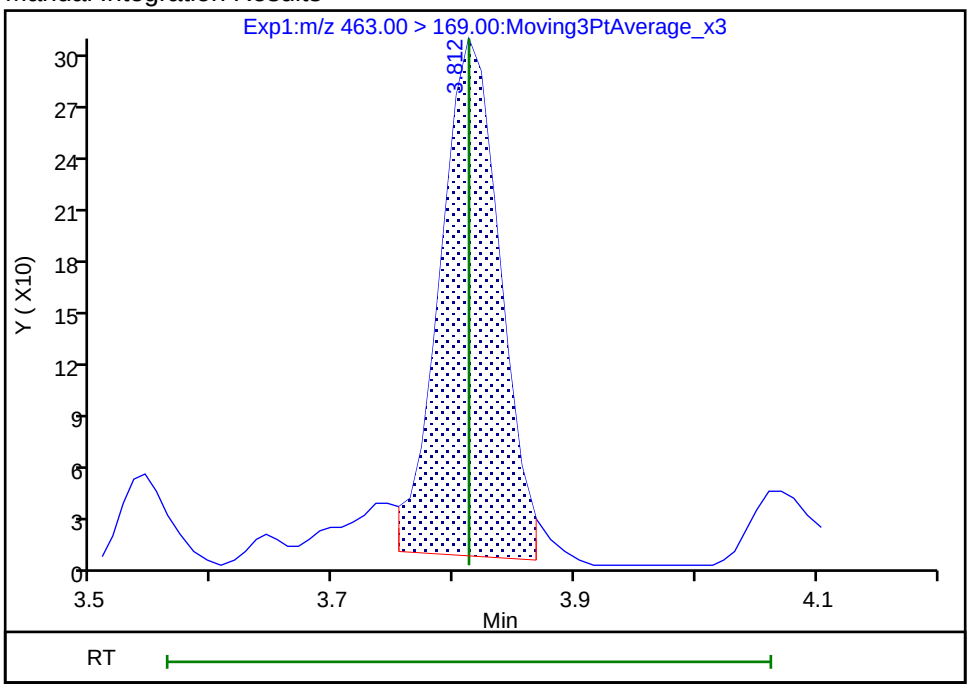
Not Detected
Expected RT: 3.81

Processing Integration Results



Manual Integration Results

RT: 3.81
Area: 1032
Amount: 0.005829
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:00:51
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

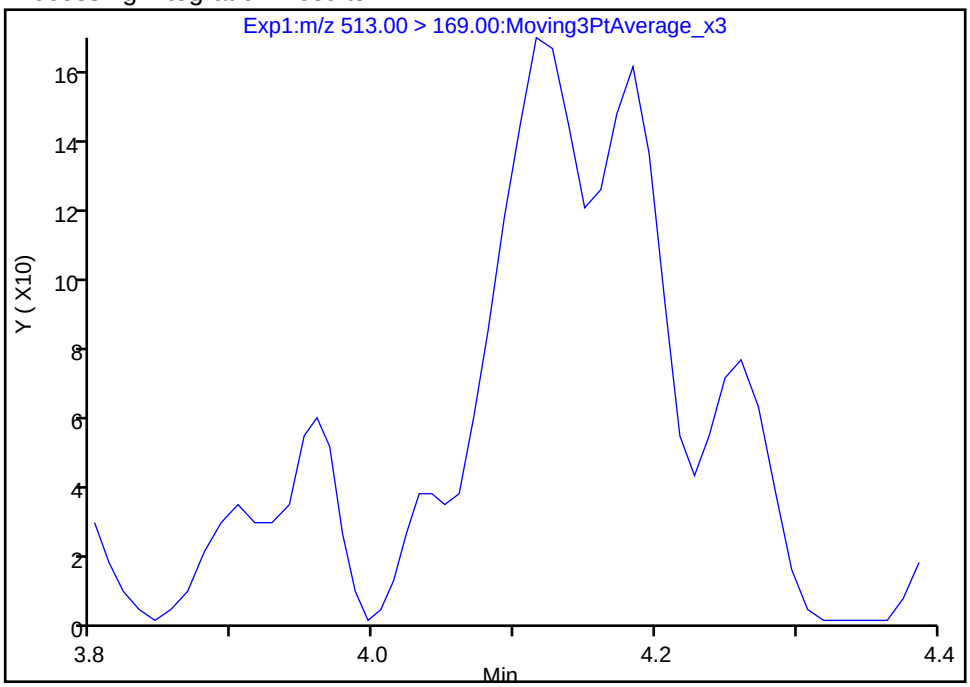
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d
Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

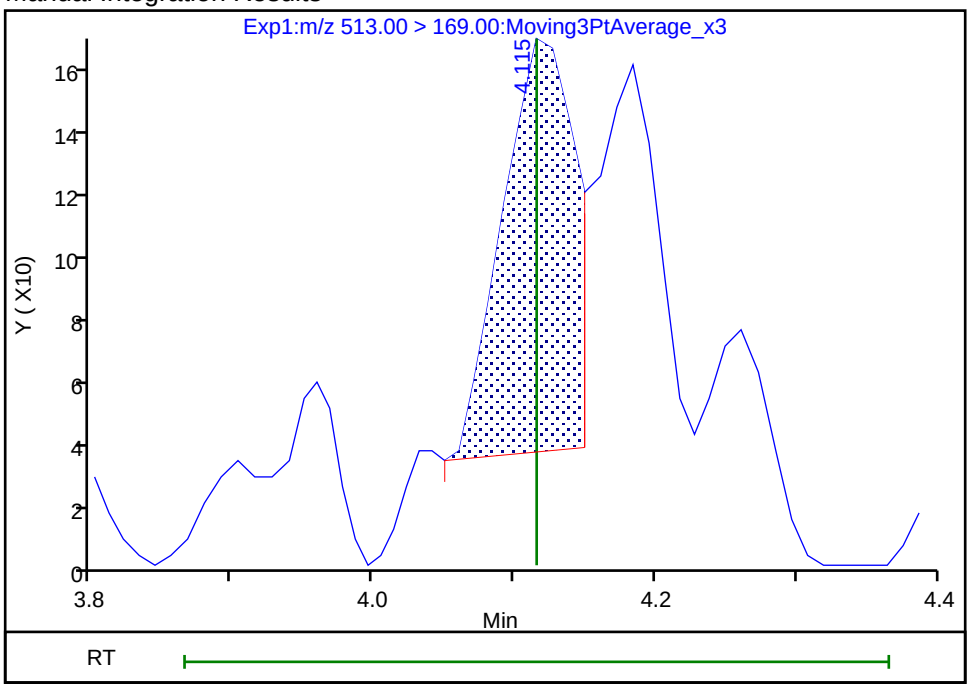
Not Detected
Expected RT: 4.12

Processing Integration Results



Manual Integration Results

RT: 4.12
Area: 437
Amount: 0.006954
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:01:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

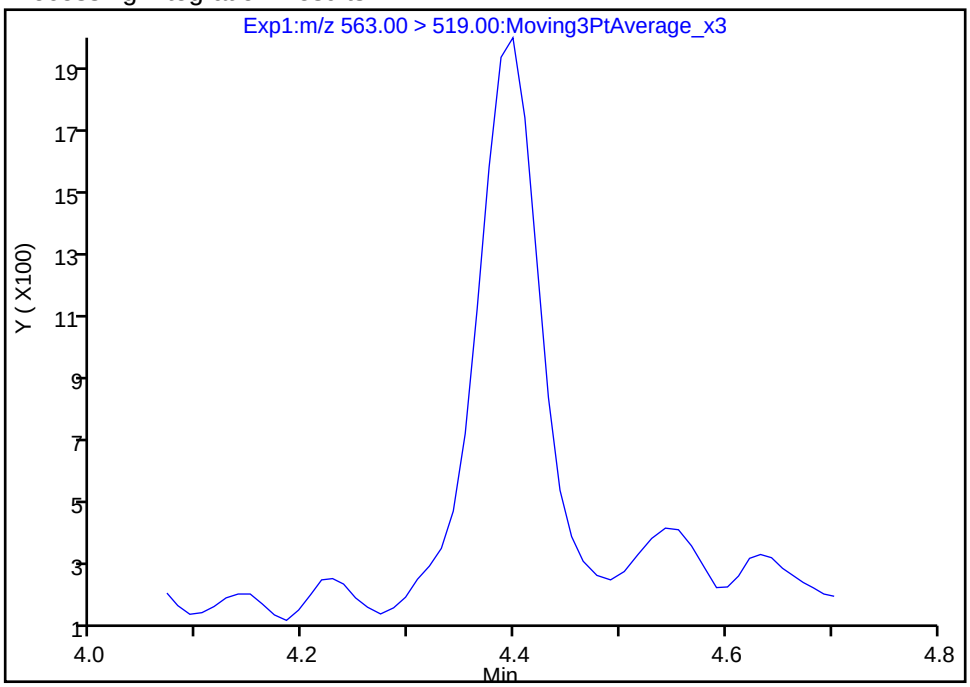
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d
Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

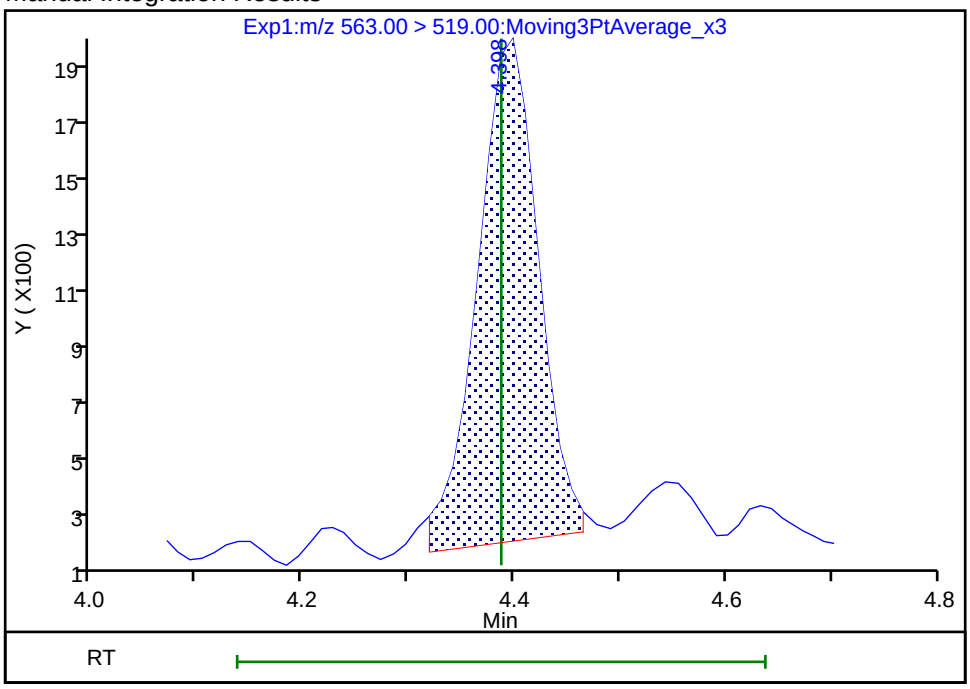
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.40
Area: 6929
Amount: 0.007095
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:02:06
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

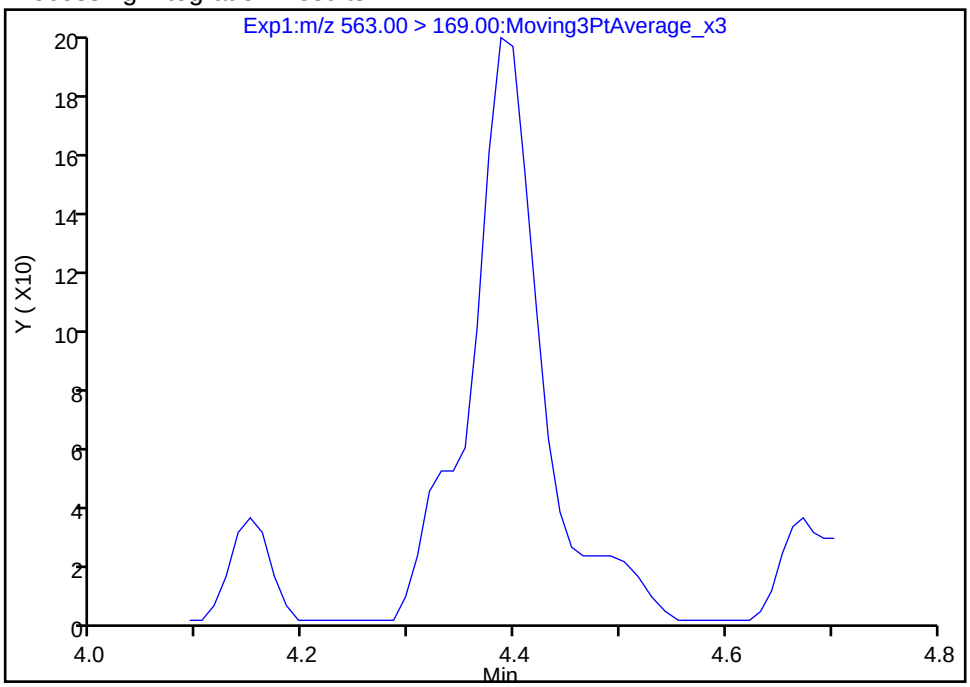
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d
Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

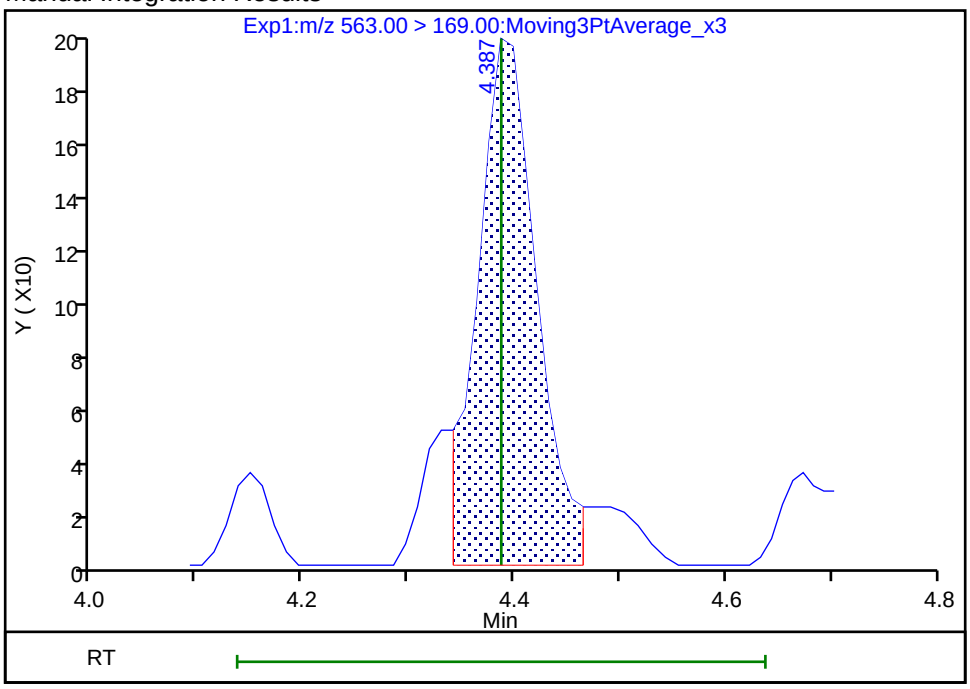
Not Detected
Expected RT: 4.39

Processing Integration Results



Manual Integration Results

RT: 4.39
Area: 764
Amount: 0.007095
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:02:09
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

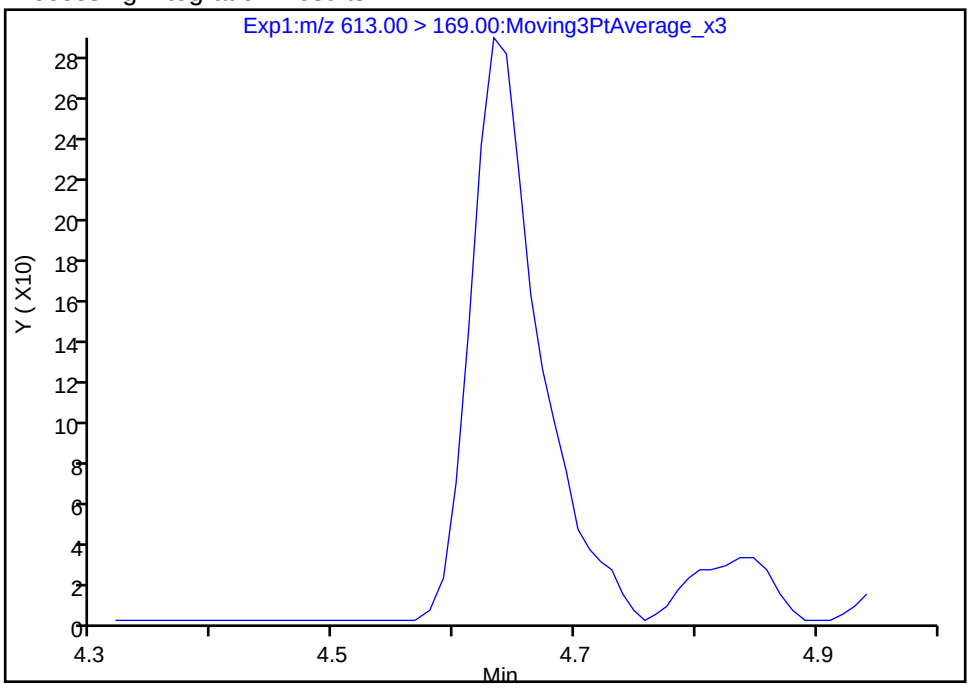
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d
Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

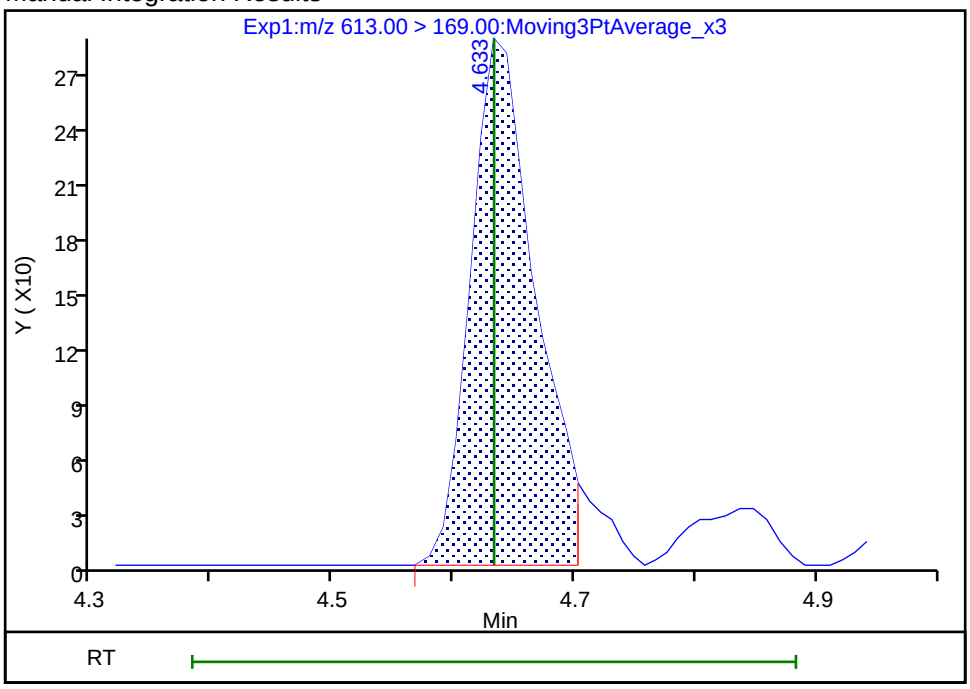
Not Detected
Expected RT: 4.63

Processing Integration Results



Manual Integration Results

RT: 4.63
Area: 1066
Amount: 0.007364
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:02:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

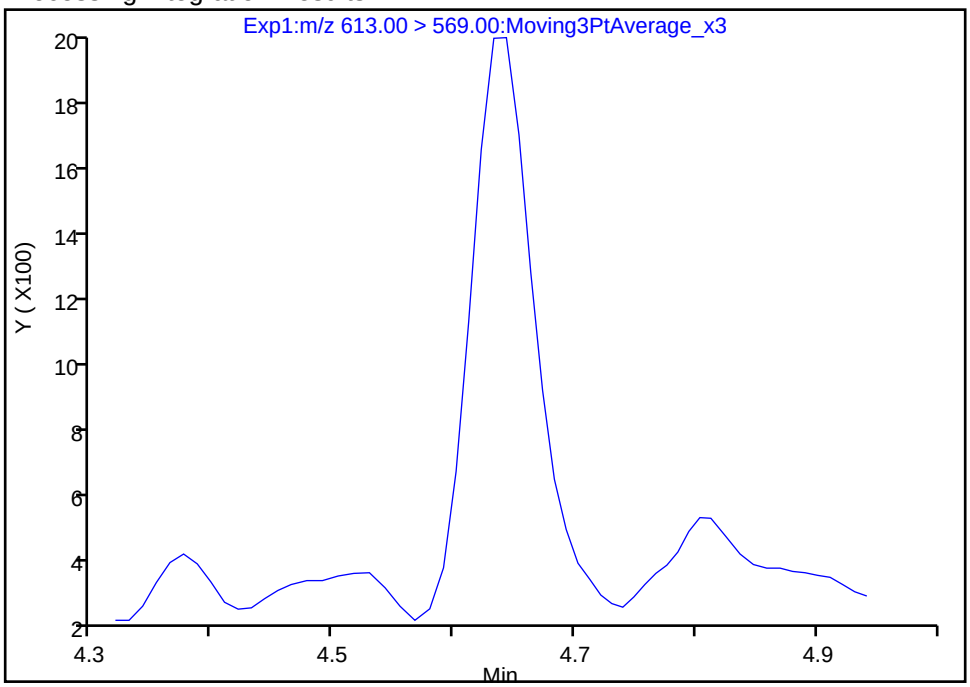
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d
Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

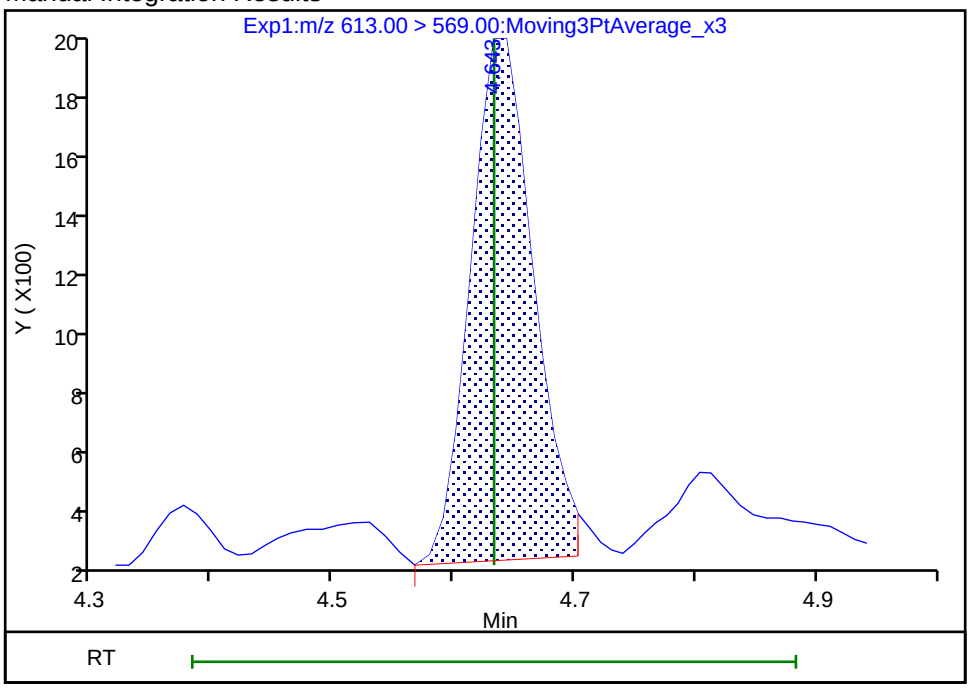
Not Detected
Expected RT: 4.63

Processing Integration Results



Manual Integration Results

RT: 4.64
Area: 6365
Amount: 0.007364
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:02:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

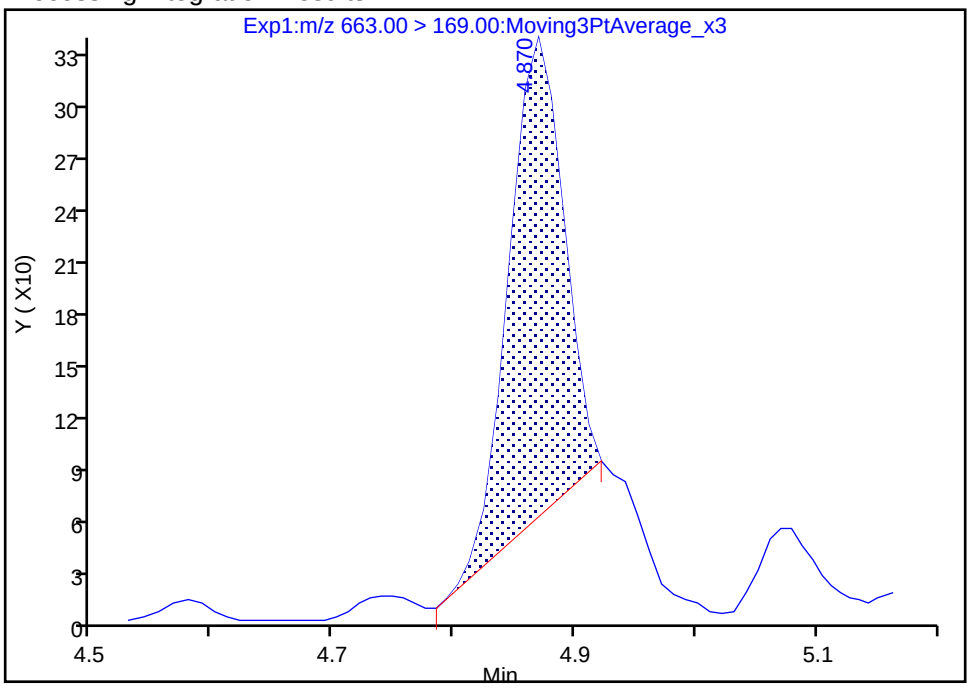
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d
Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

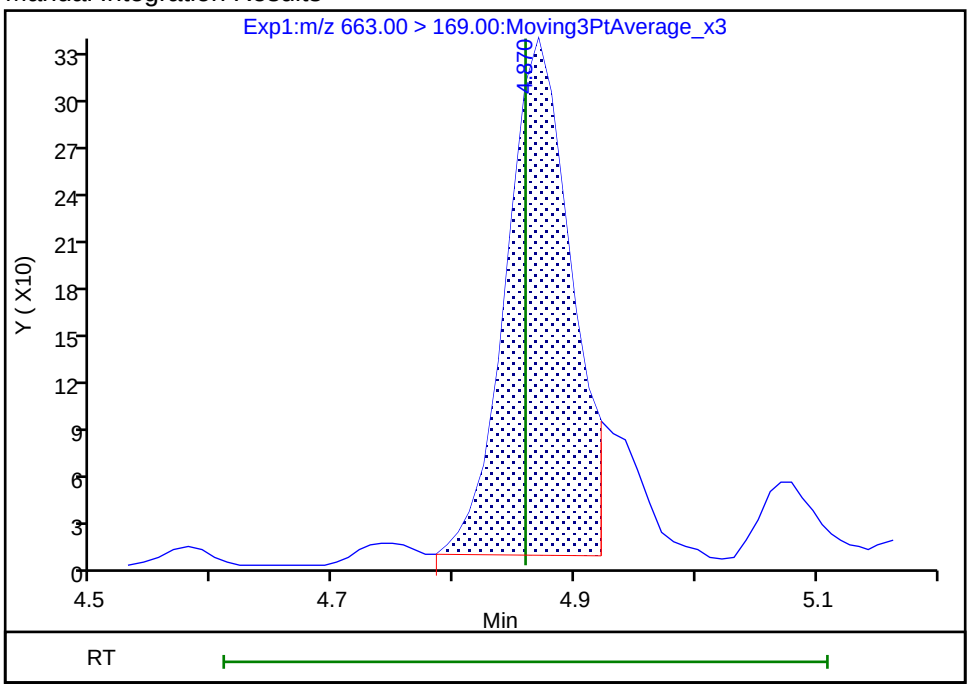
Processing Integration Results

RT: 4.87
Area: 873
Amount: 0.006282
Amount Units: ng/ml



Manual Integration Results

RT: 4.87
Area: 1224
Amount: 0.006376
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:03:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

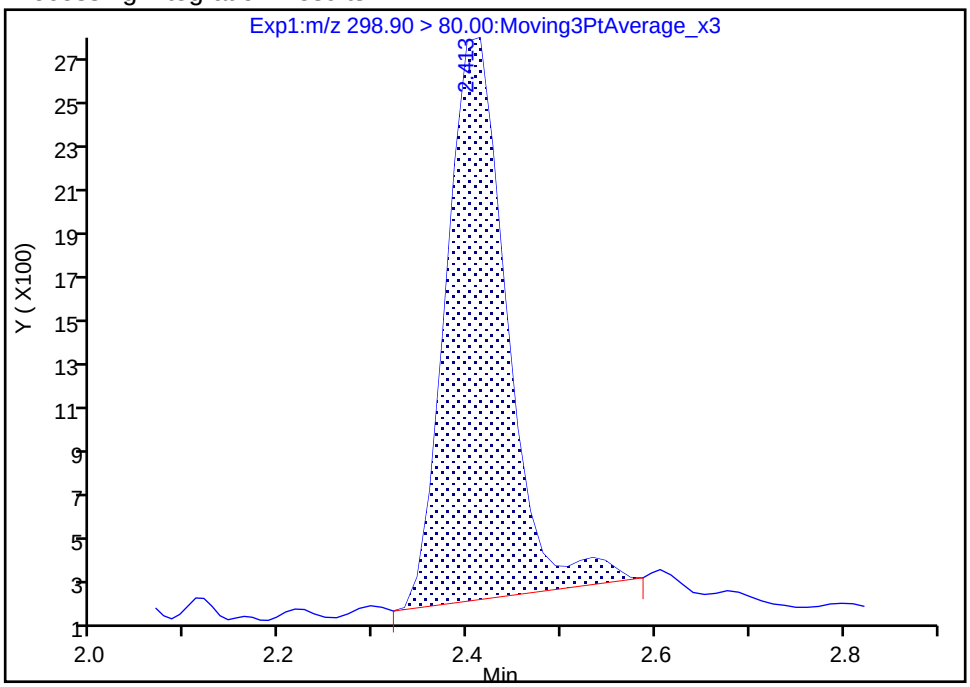
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d
Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

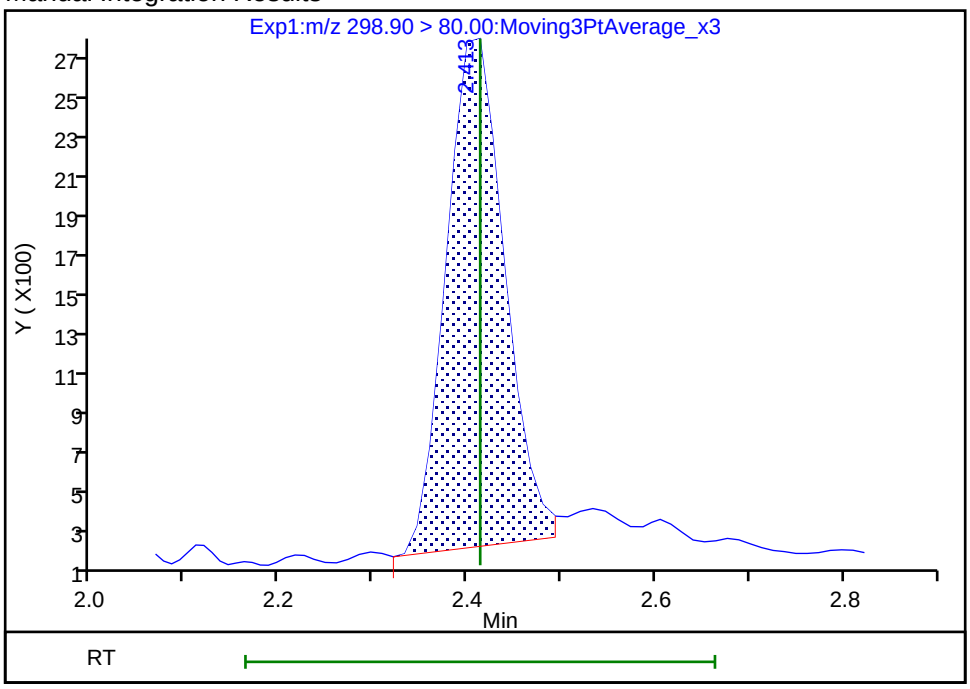
Processing Integration Results

RT: 2.41
Area: 11380
Amount: 0.007425
Amount Units: ng/ml



Manual Integration Results

RT: 2.41
Area: 10940
Amount: 0.007138
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:57:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

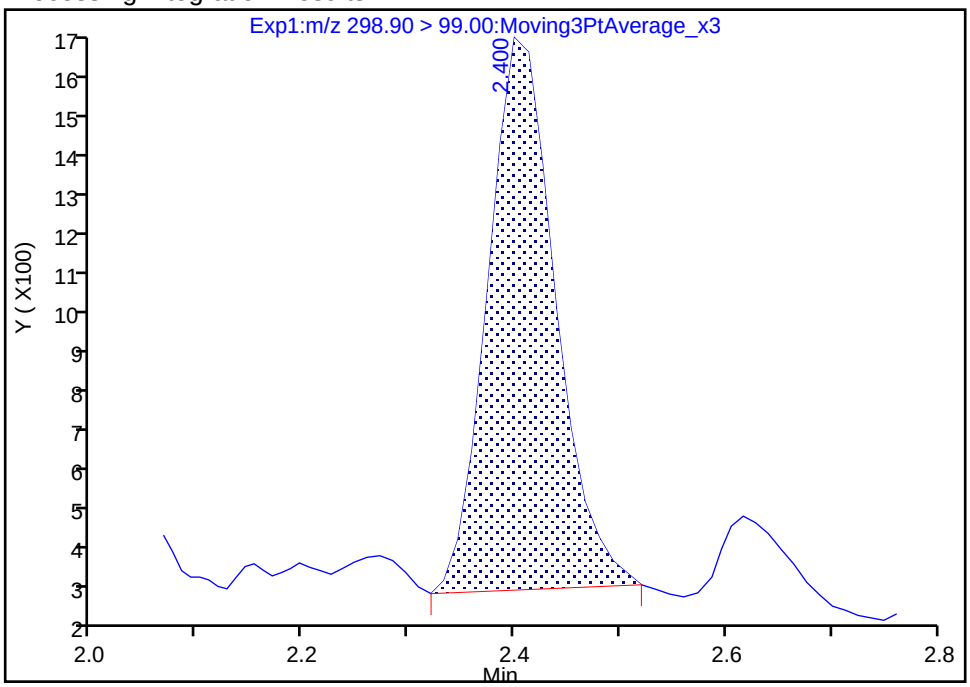
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d
Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

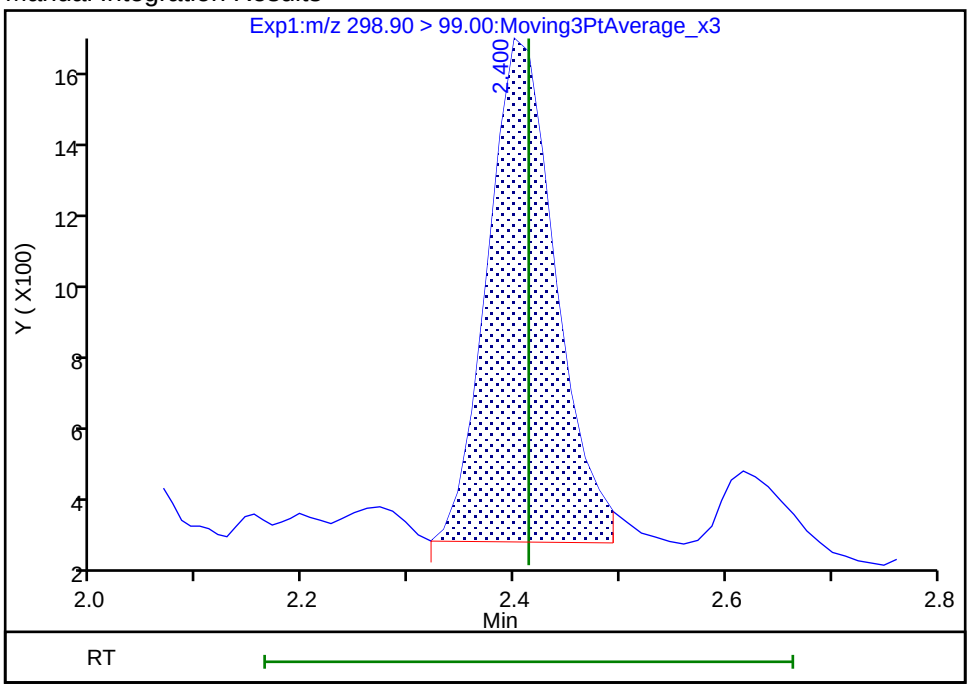
Processing Integration Results

RT: 2.40
Area: 6081
Amount: 0.007425
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 6156
Amount: 0.007138
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:57:58
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

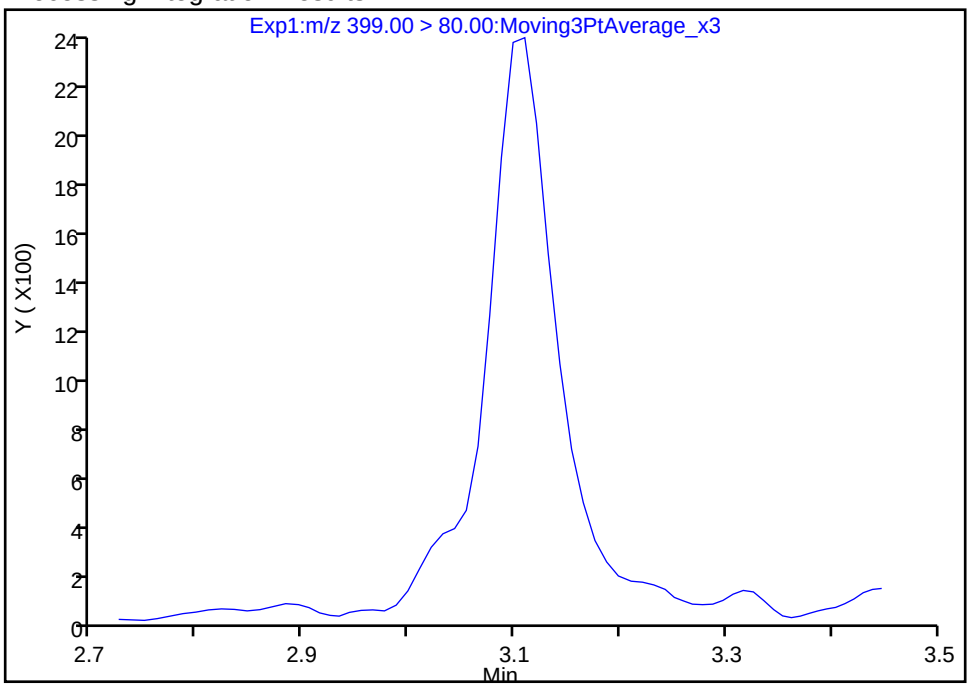
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d
Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

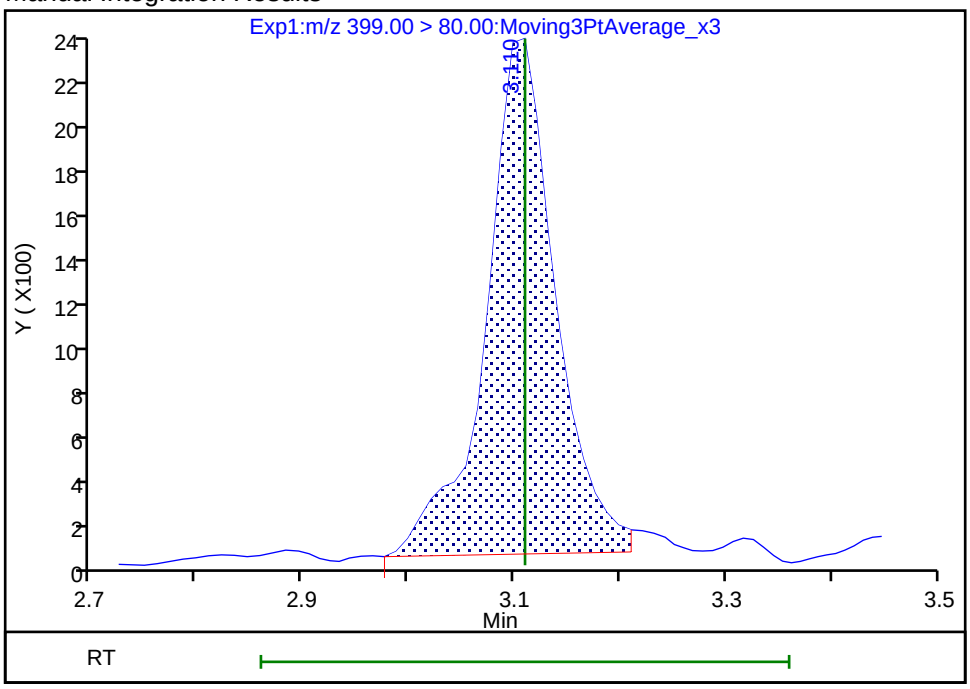
Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results

RT: 3.11
Area: 10447
Amount: 0.009679
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:58:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

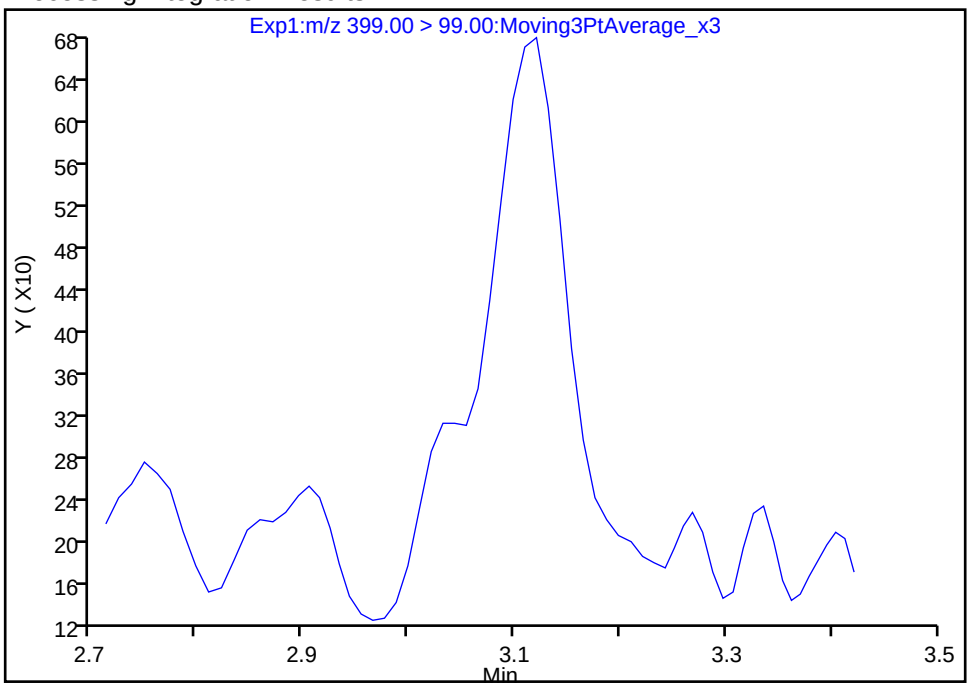
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d
Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

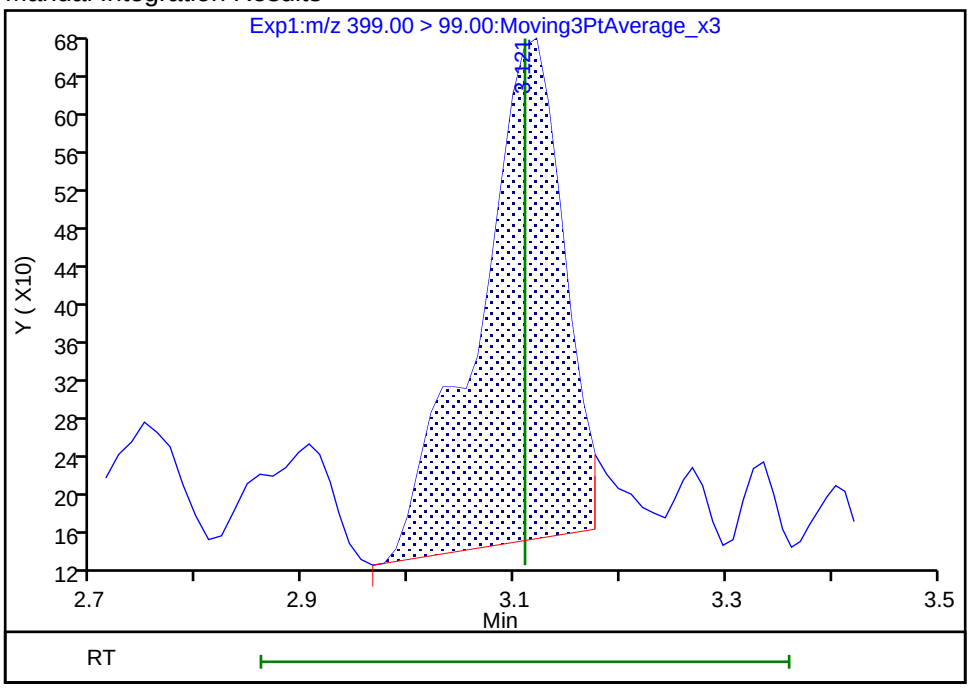
Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results

RT: 3.12
Area: 2942
Amount: 0.009679
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:58:58
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

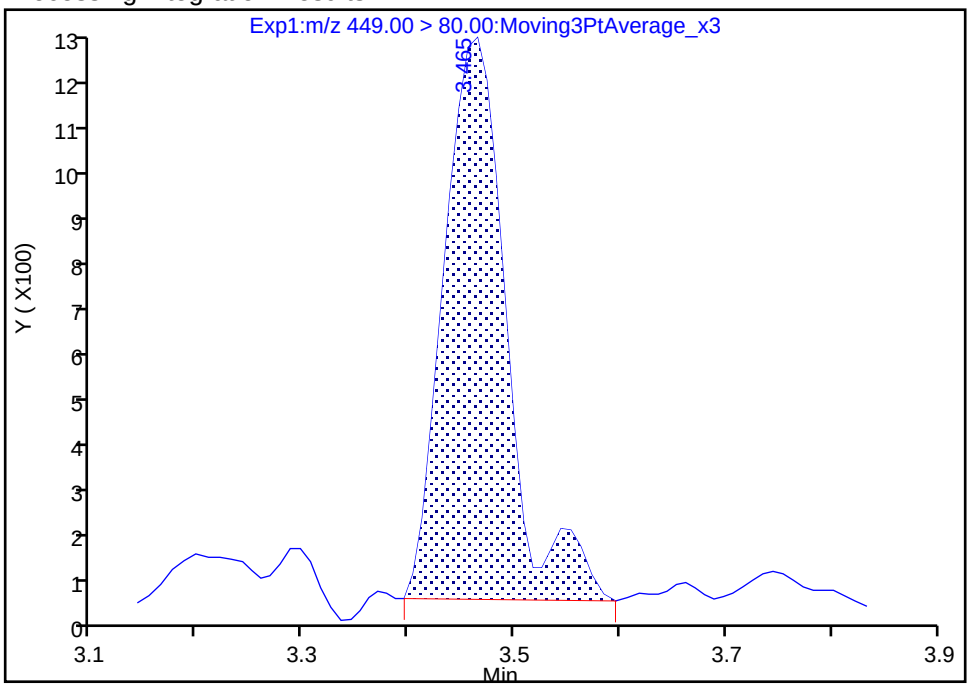
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d
Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

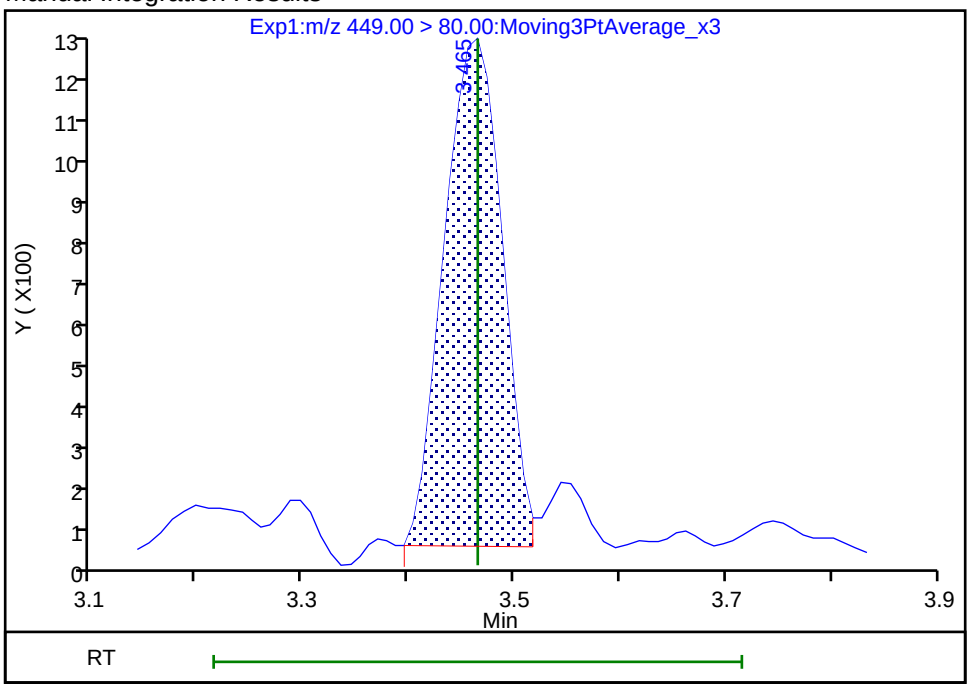
Processing Integration Results

RT: 3.46
Area: 4793
Amount: 0.005686
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 4410
Amount: 0.005231
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:59:41
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

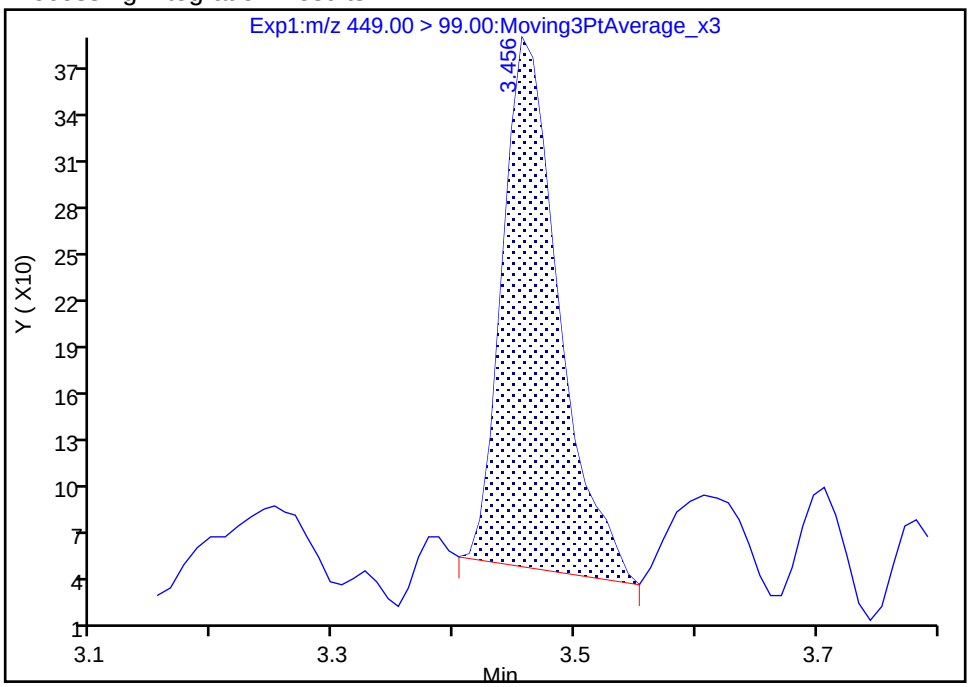
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d
Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

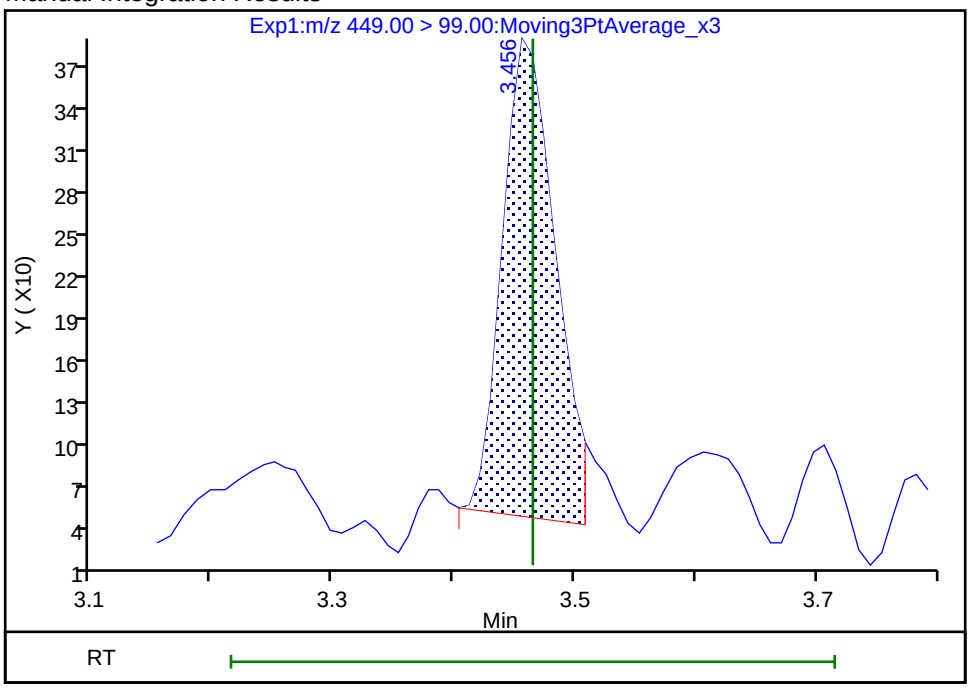
Processing Integration Results

RT: 3.46
Area: 1112
Amount: 0.005686
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 1035
Amount: 0.005231
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:59:44
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

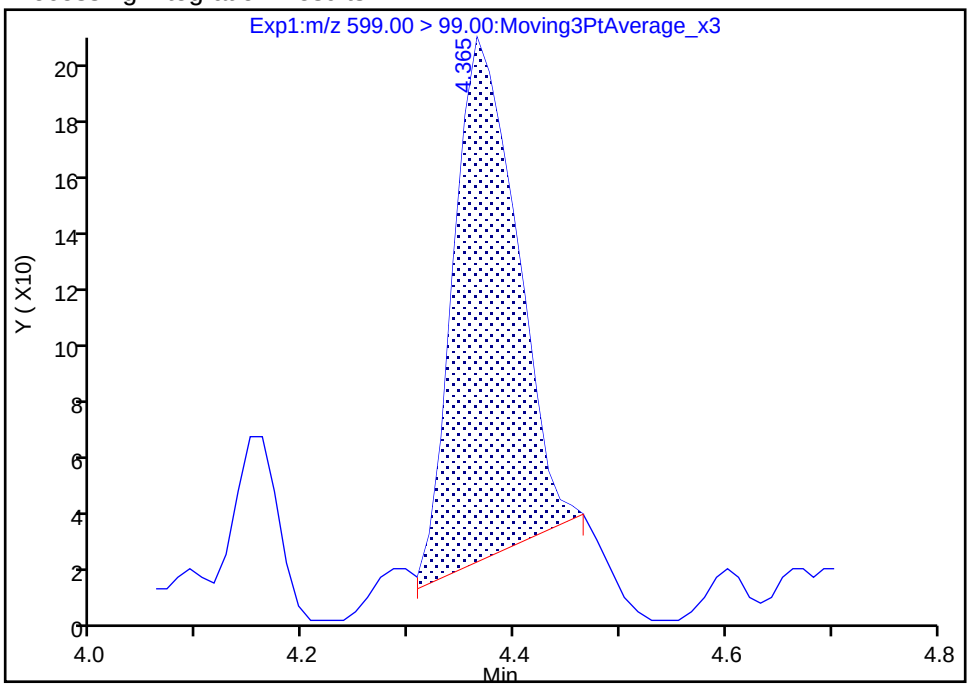
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d
Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

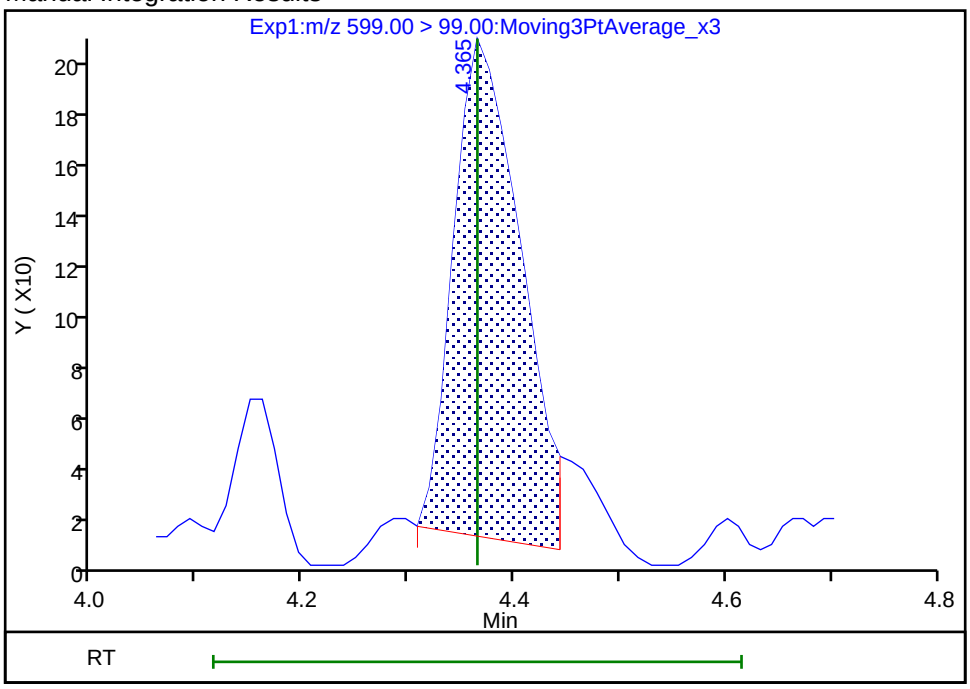
Processing Integration Results

RT: 4.36
Area: 755
Amount: 0.005257
Amount Units: ng/ml



Manual Integration Results

RT: 4.36
Area: 843
Amount: 0.005159
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:01:47
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

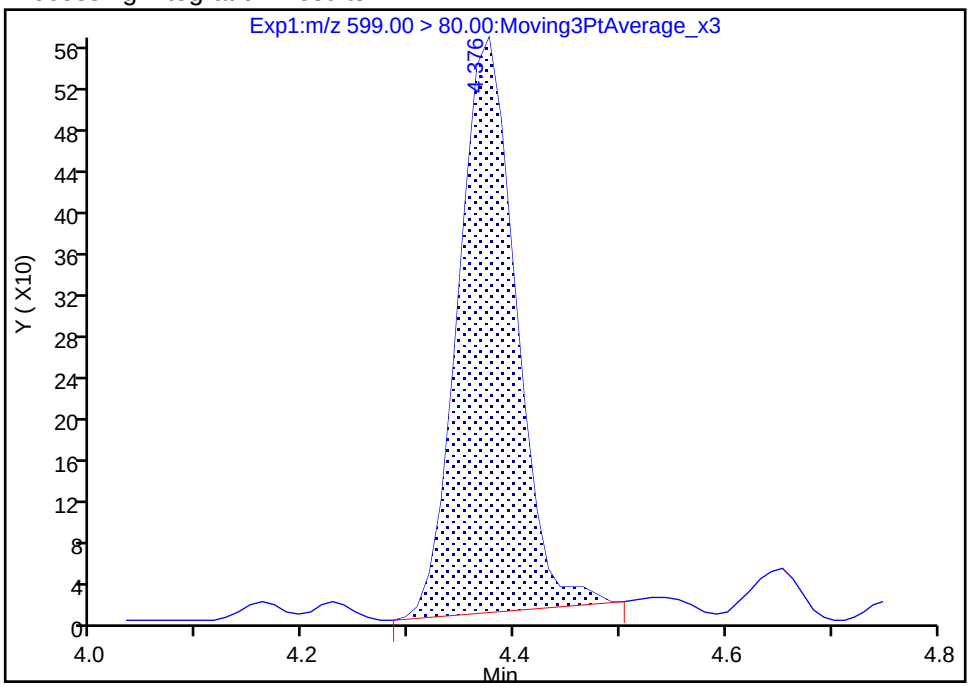
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d
Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

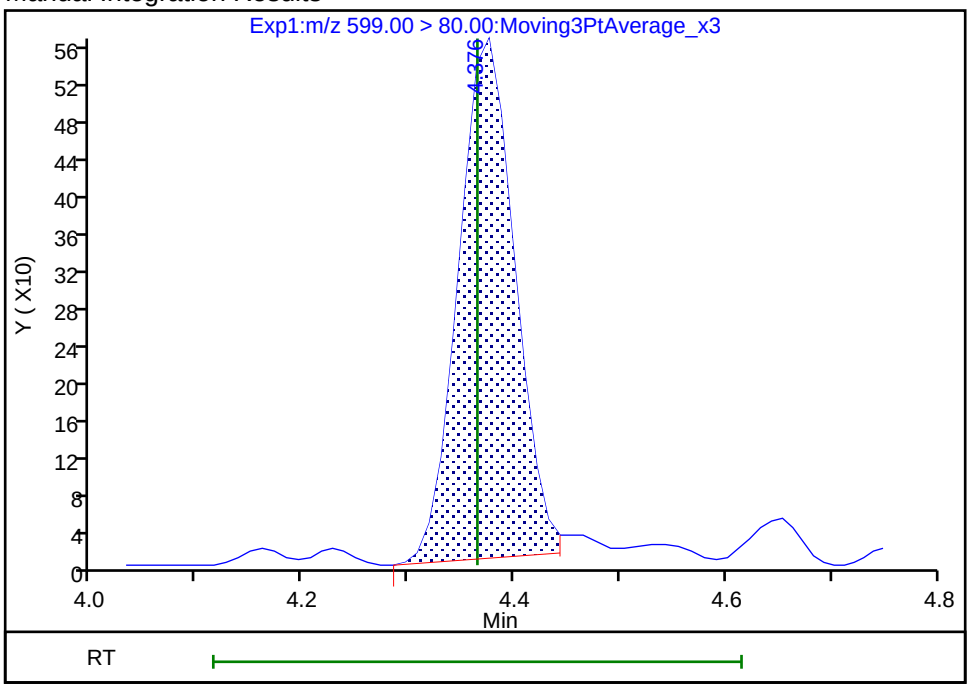
Processing Integration Results

RT: 4.38
Area: 2089
Amount: 0.005257
Amount Units: ng/ml



Manual Integration Results

RT: 4.38
Area: 2050
Amount: 0.005159
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:01:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

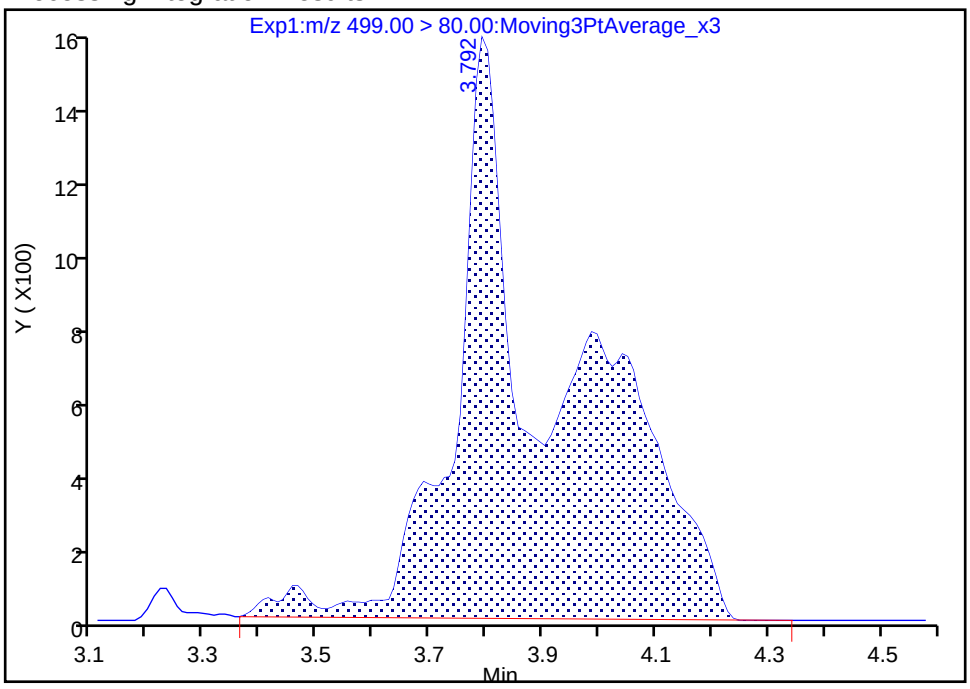
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d
Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

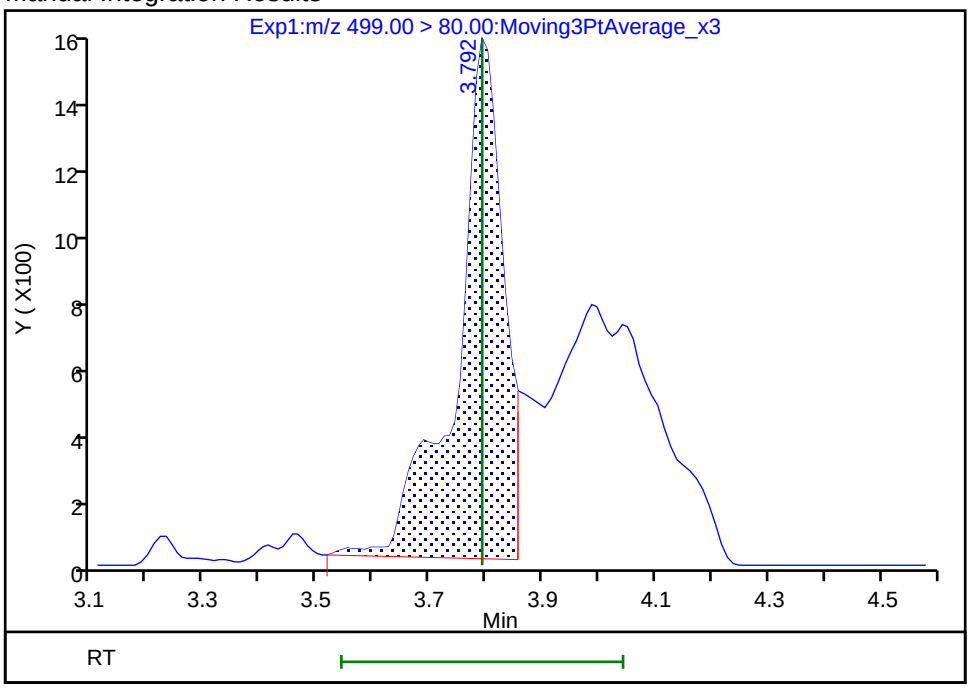
Processing Integration Results

RT: 3.79
Area: 20730
Amount: 0.012076
Amount Units: ng/ml



Manual Integration Results

RT: 3.79
Area: 8945
Amount: -0.005291
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:00:31
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

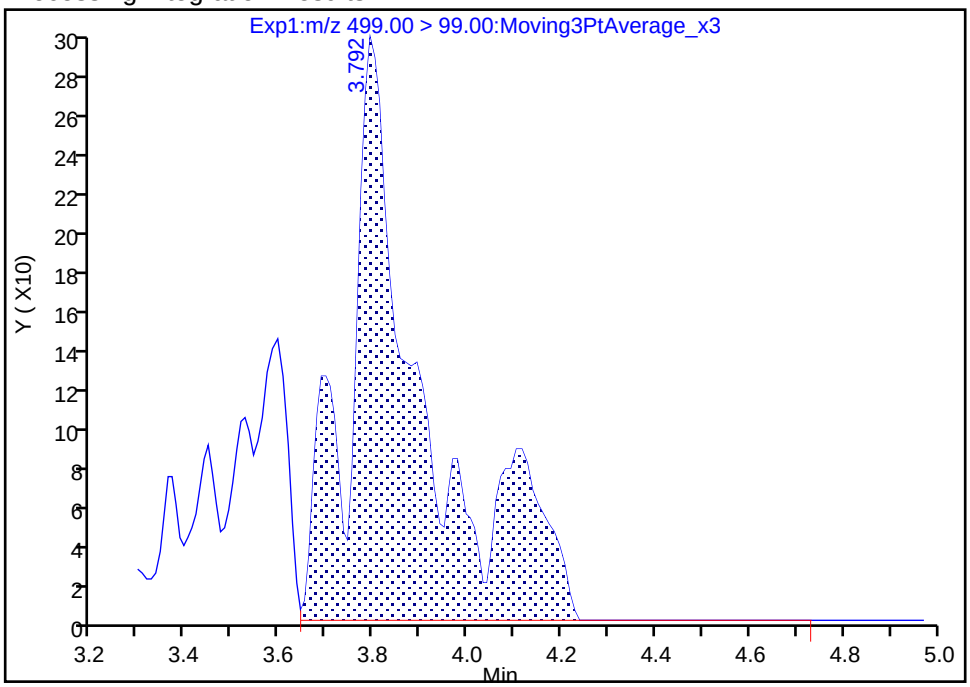
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d
Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

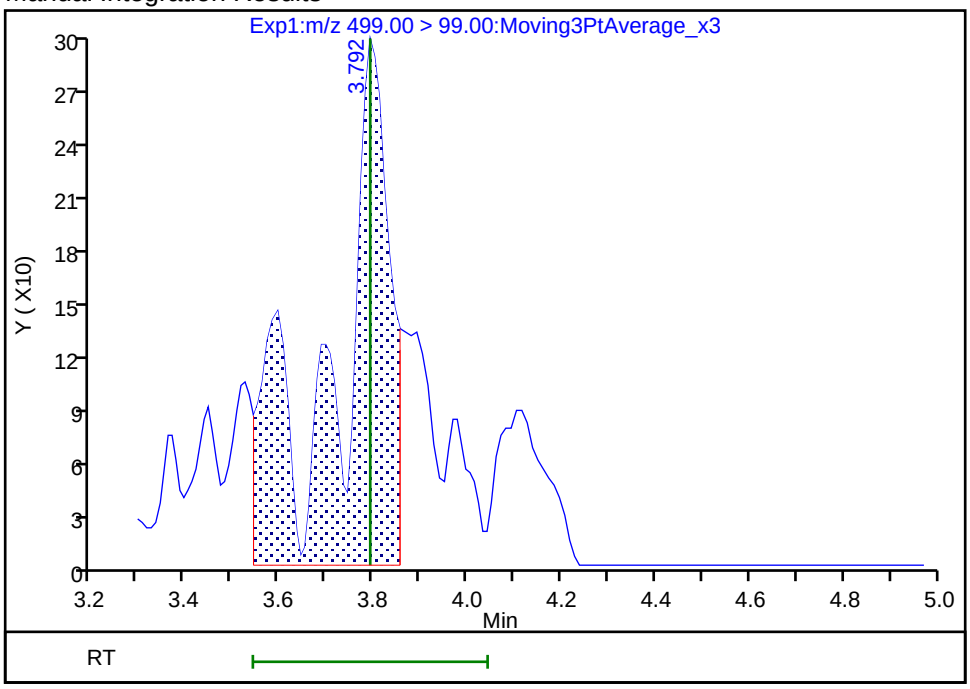
Processing Integration Results

RT: 3.79
Area: 3276
Amount: 0.012076
Amount Units: ng/ml



Manual Integration Results

RT: 3.79
Area: 2355
Amount: -0.005291
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:00:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

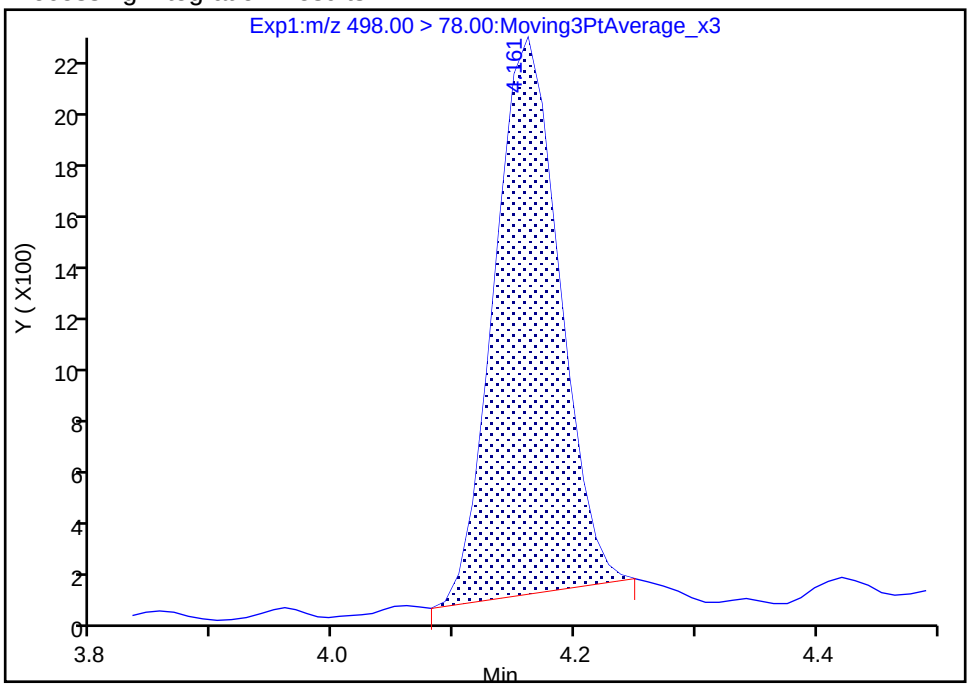
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d
Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

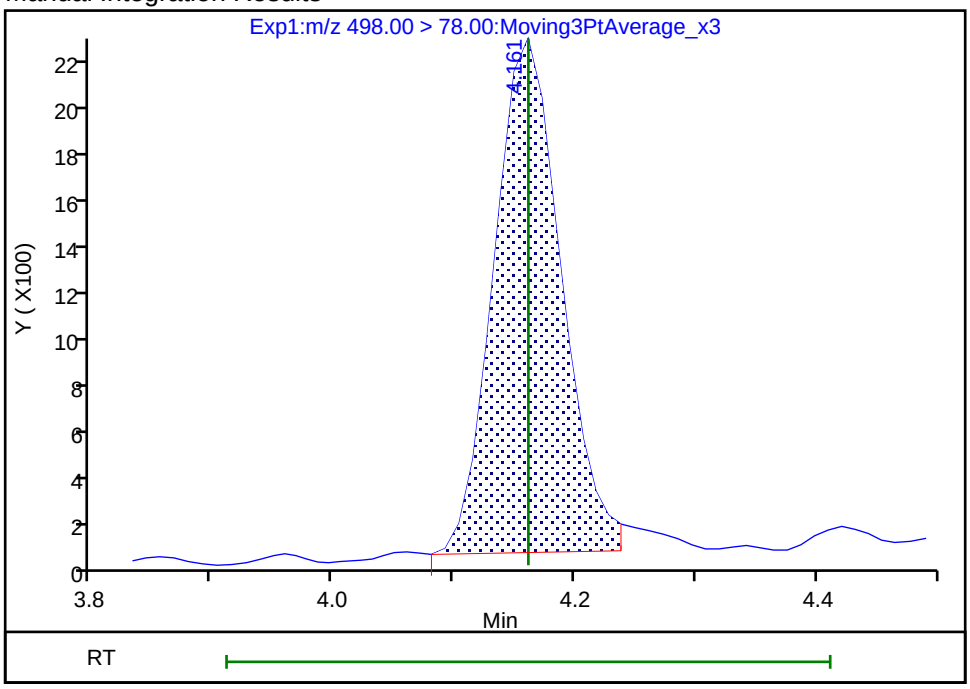
Processing Integration Results

RT: 4.16
Area: 8192
Amount: 0.009282
Amount Units: ng/ml



Manual Integration Results

RT: 4.16
Area: 8624
Amount: 0.009772
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:01:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

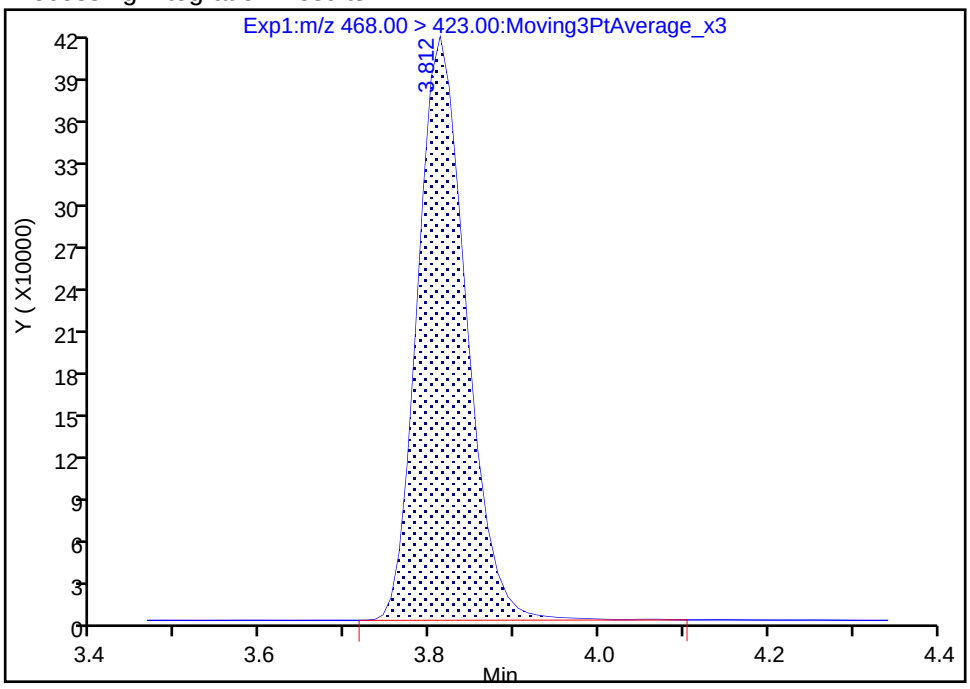
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d
Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

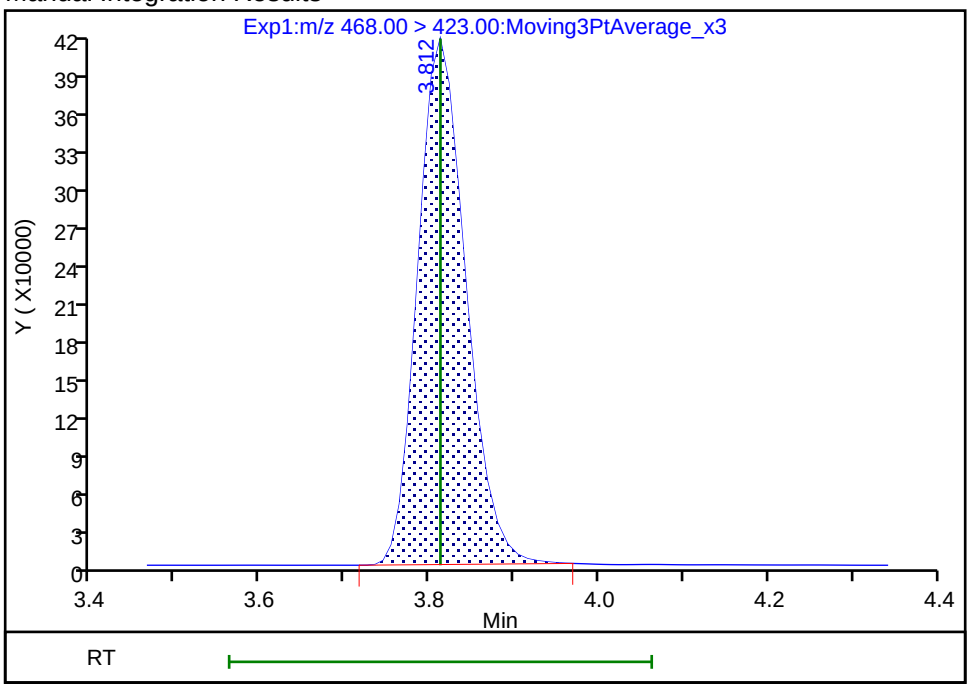
Processing Integration Results

RT: 3.81
Area: 1646968
Amount: 1.192811
Amount Units: ng/ml



Manual Integration Results

RT: 3.81
Area: 1634613
Amount: 1.183863
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 13:00:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

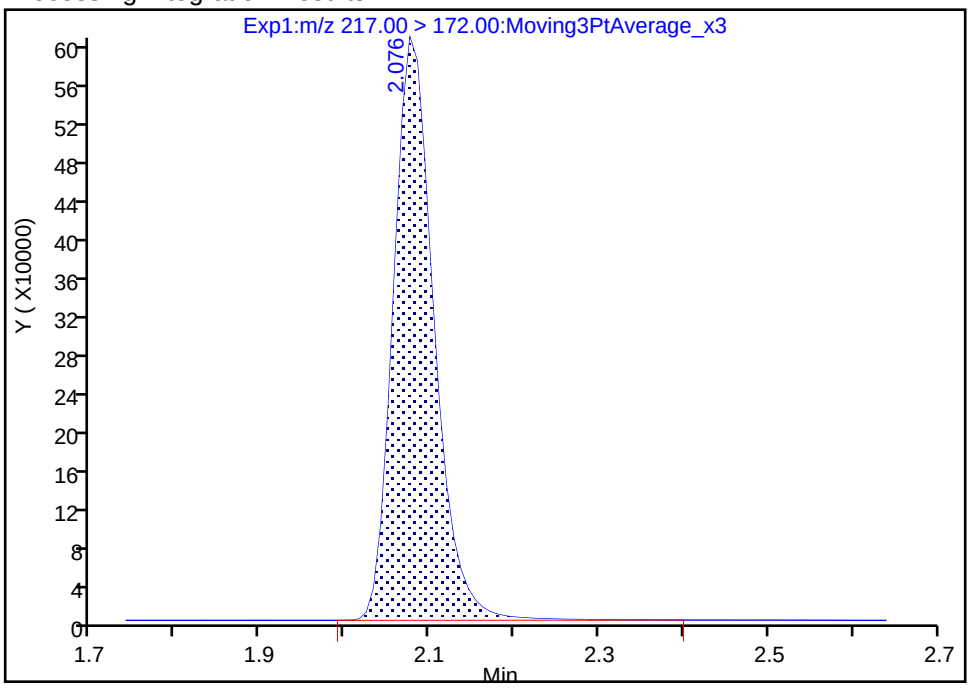
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d
Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

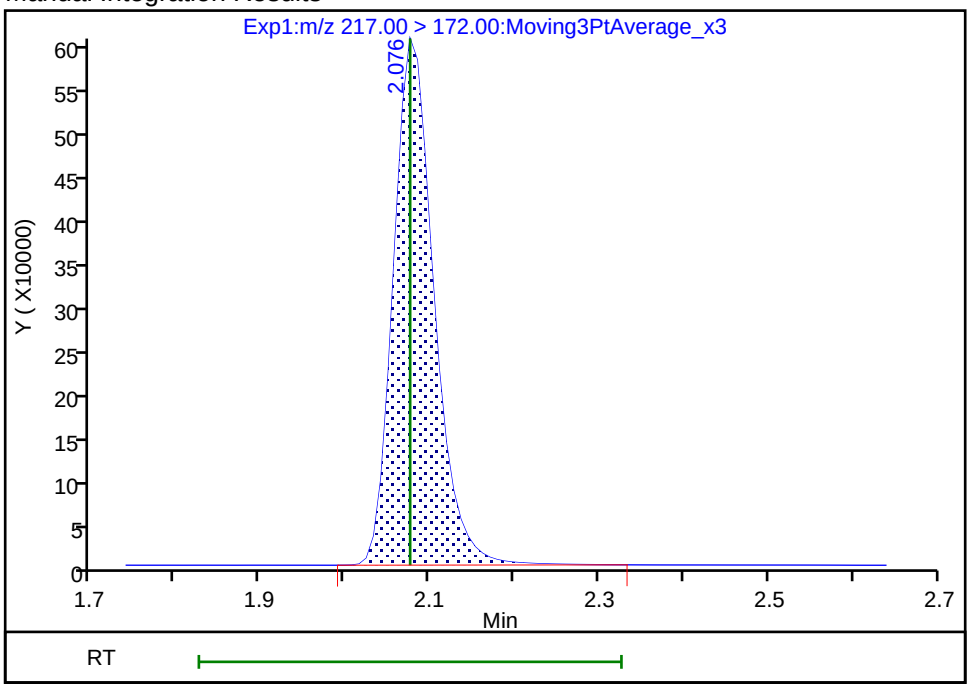
Processing Integration Results

RT: 2.08
Area: 2024453
Amount: 1.242388
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 2022132
Amount: 1.240963
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:56:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

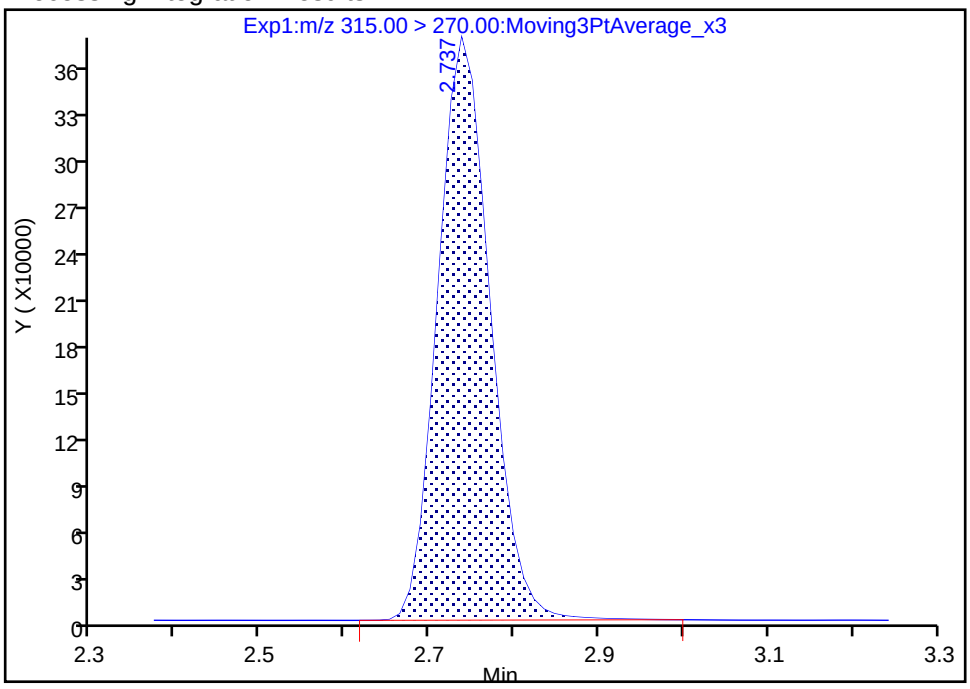
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d
Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 7 13C2 PFHxA, CAS: STL00993

Signal: 1

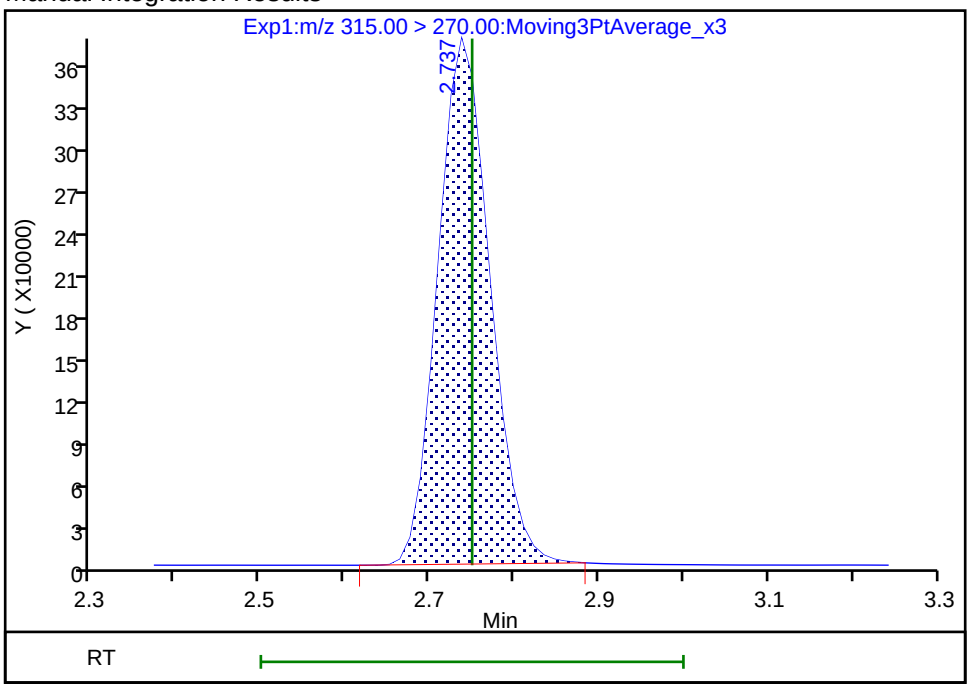
Processing Integration Results

RT: 2.74
Area: 1595511
Amount: 1.275059
Amount Units: ng/ml



Manual Integration Results

RT: 2.74
Area: 1580971
Amount: 1.263439
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:56:31
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

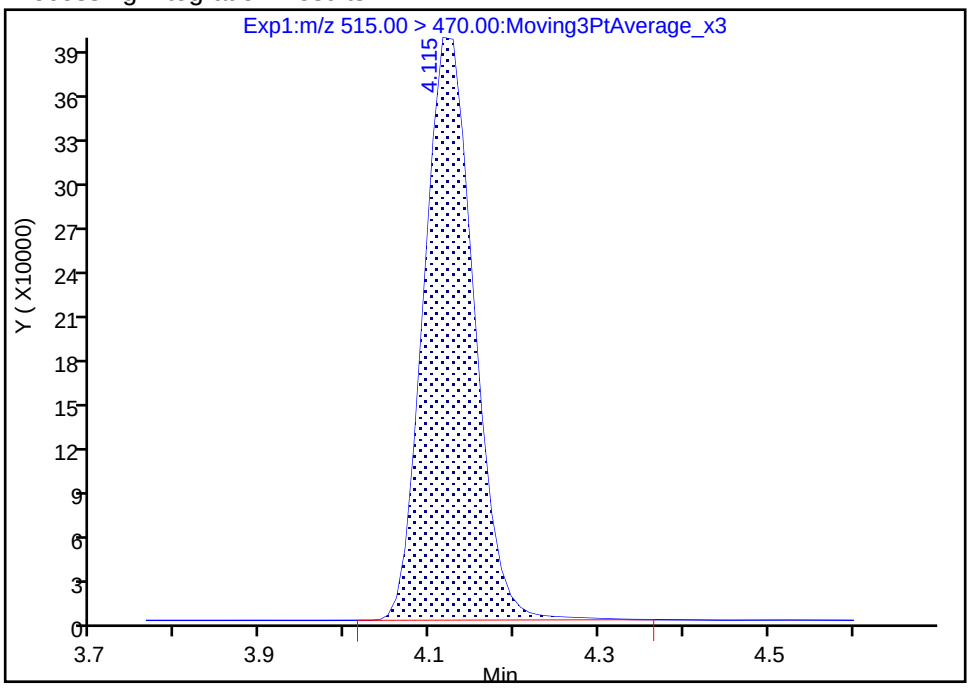
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d
Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

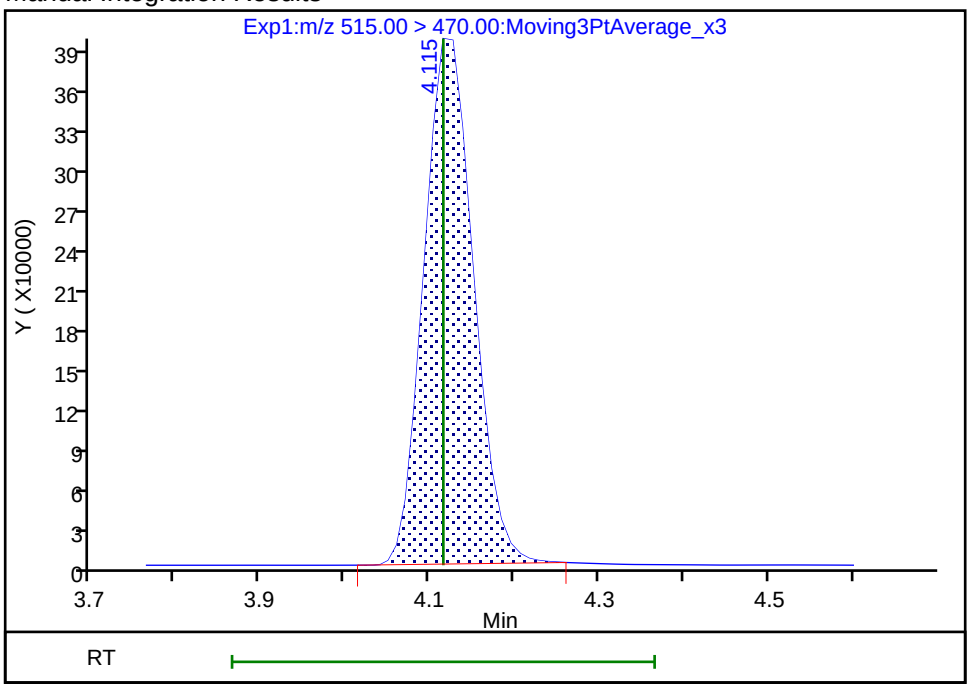
Processing Integration Results

RT: 4.12
Area: 1615480
Amount: 1.202183
Amount Units: ng/ml



Manual Integration Results

RT: 4.12
Area: 1598522
Amount: 1.189563
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 13:03:54
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

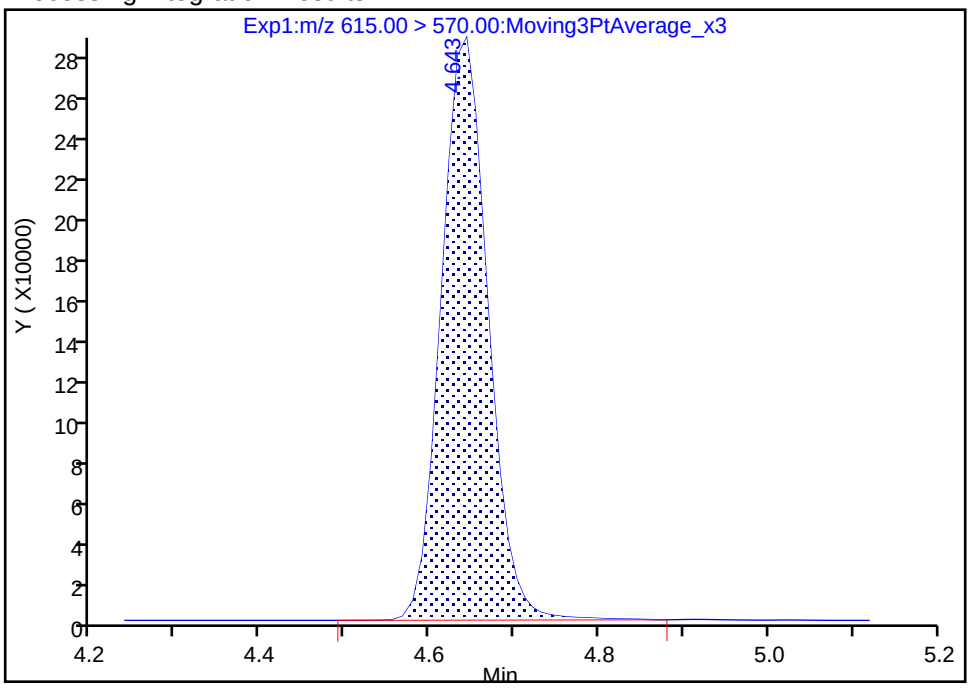
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d
Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 36 13C2 PFDoA, CAS: STL00998

Signal: 1

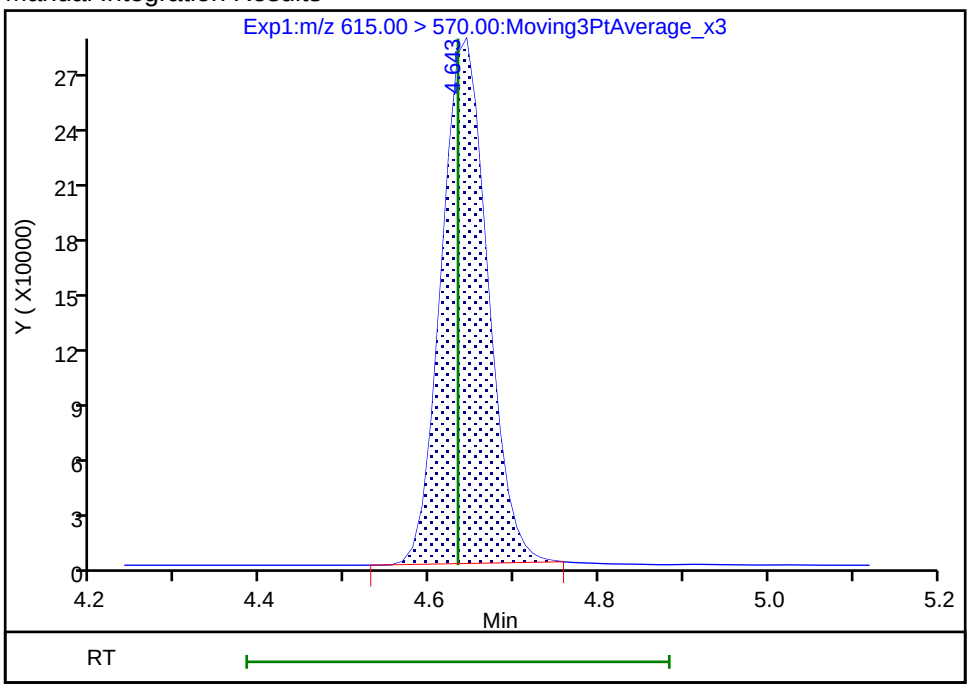
Processing Integration Results

RT: 4.64
Area: 1081269
Amount: 1.024844
Amount Units: ng/ml



Manual Integration Results

RT: 4.64
Area: 1065379
Amount: 1.009783
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 13:04:38
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

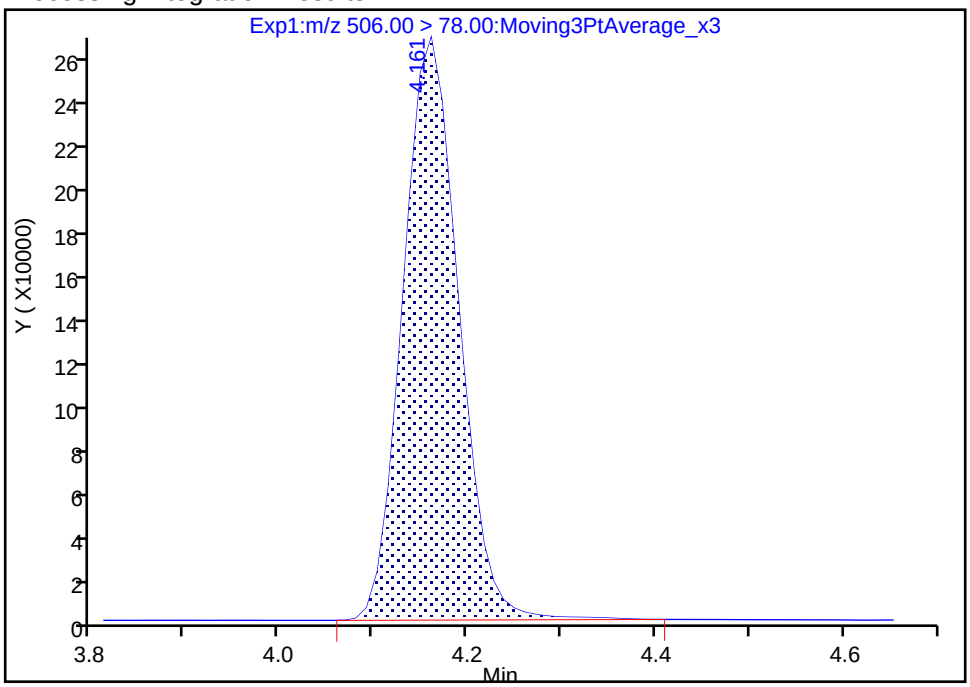
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d
Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

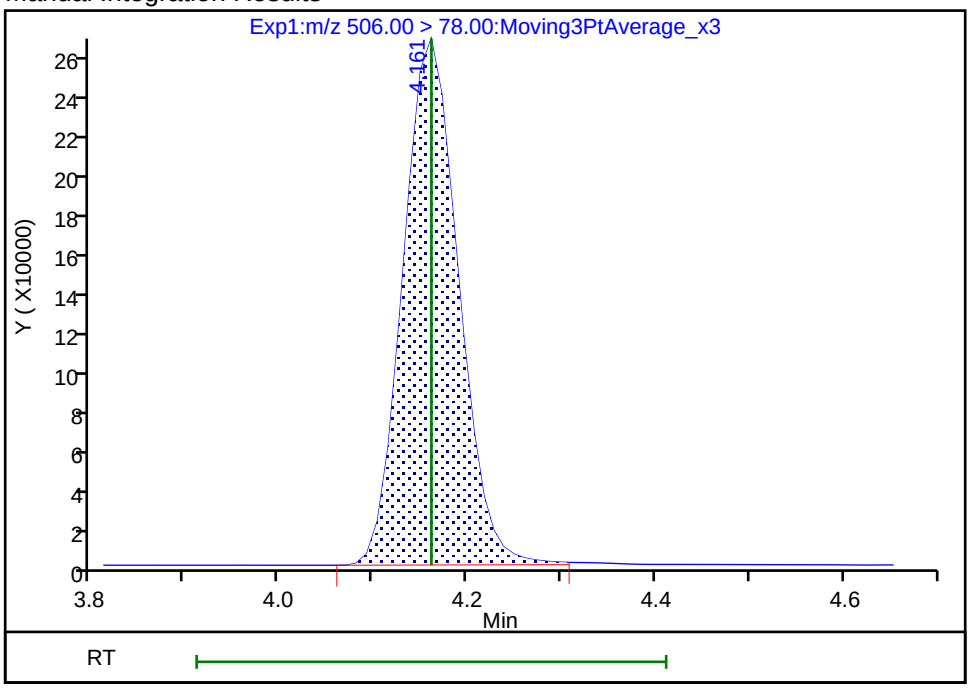
Processing Integration Results

RT: 4.16
Area: 1085742
Amount: 0.923158
Amount Units: ng/ml



Manual Integration Results

RT: 4.16
Area: 1082584
Amount: 0.920473
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 08:57:05
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

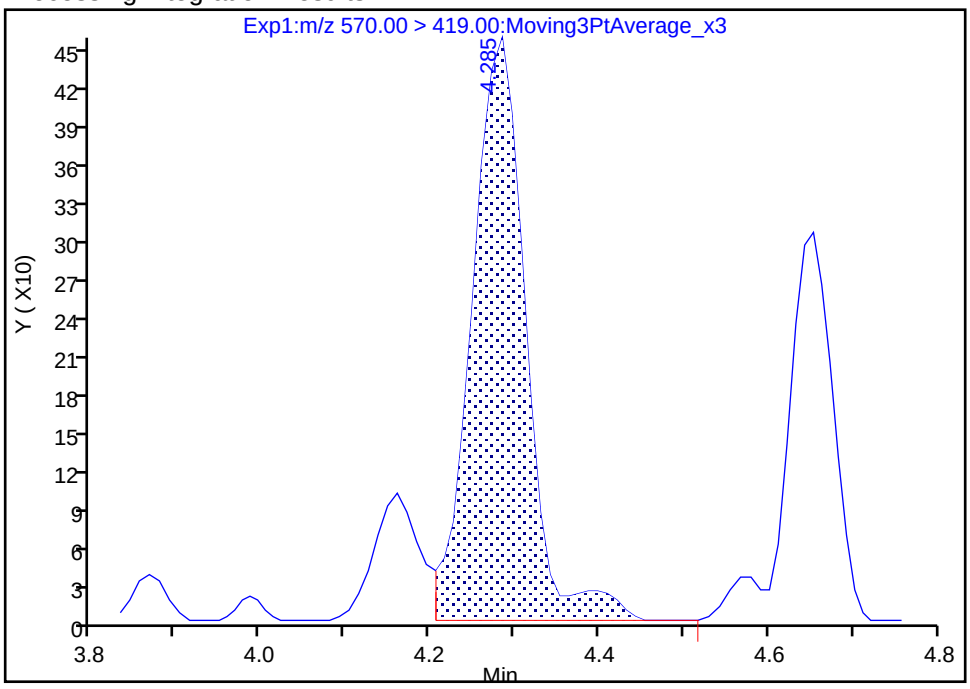
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d
Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

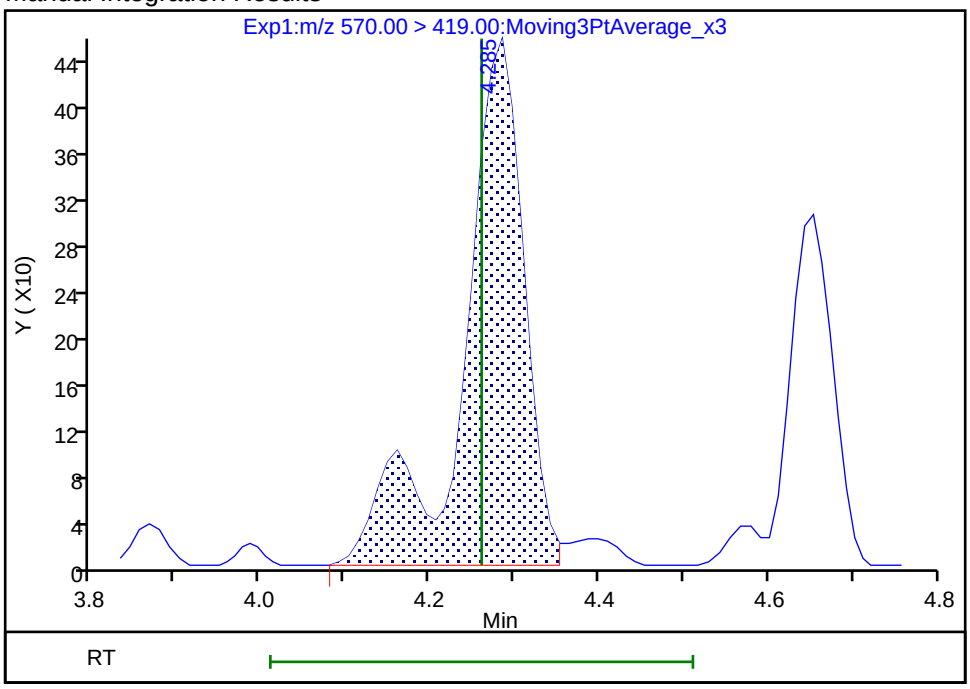
Processing Integration Results

RT: 4.29
Area: 2025
Amount: 0.017592
Amount Units: ng/ml



Manual Integration Results

RT: 4.29
Area: 2297
Amount: 0.020208
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:01:37
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

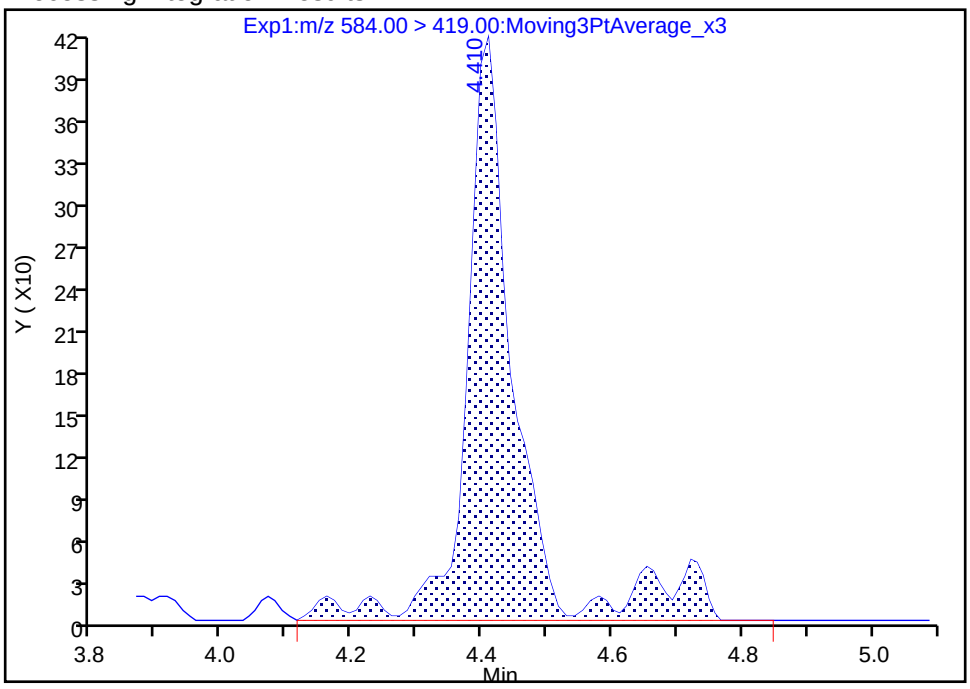
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d
Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

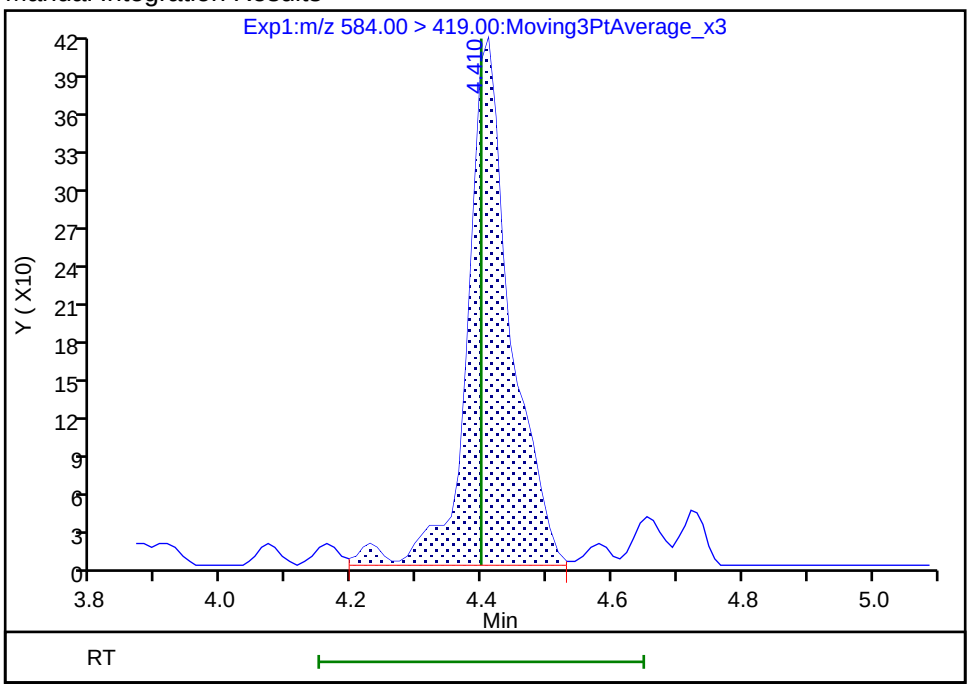
Processing Integration Results

RT: 4.41
Area: 2222
Amount: 0.019951
Amount Units: ng/ml



Manual Integration Results

RT: 4.41
Area: 1907
Amount: 0.017122
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:02:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

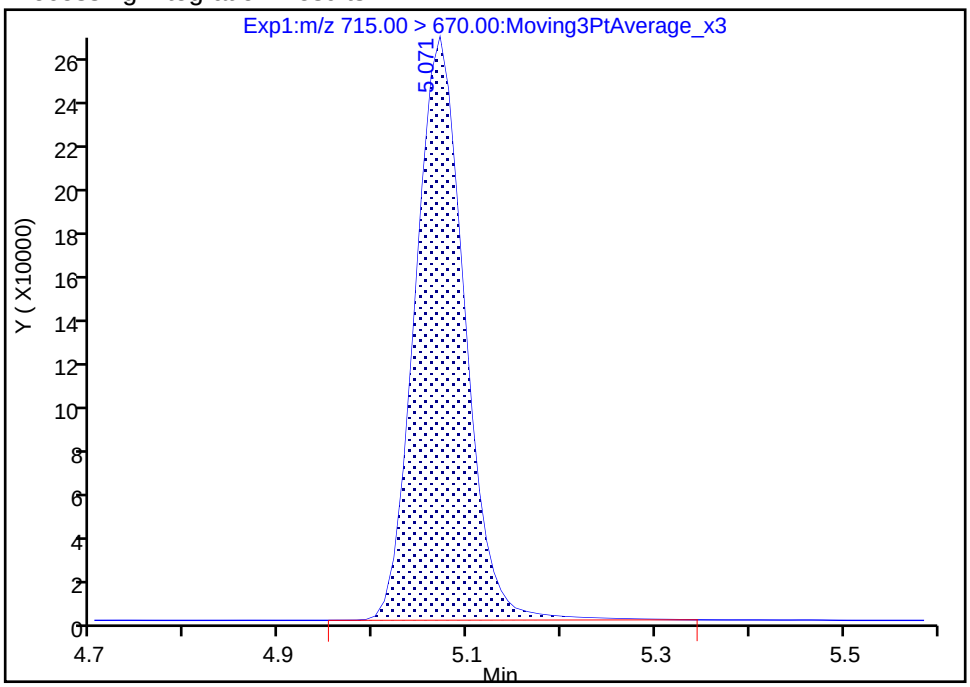
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d
Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

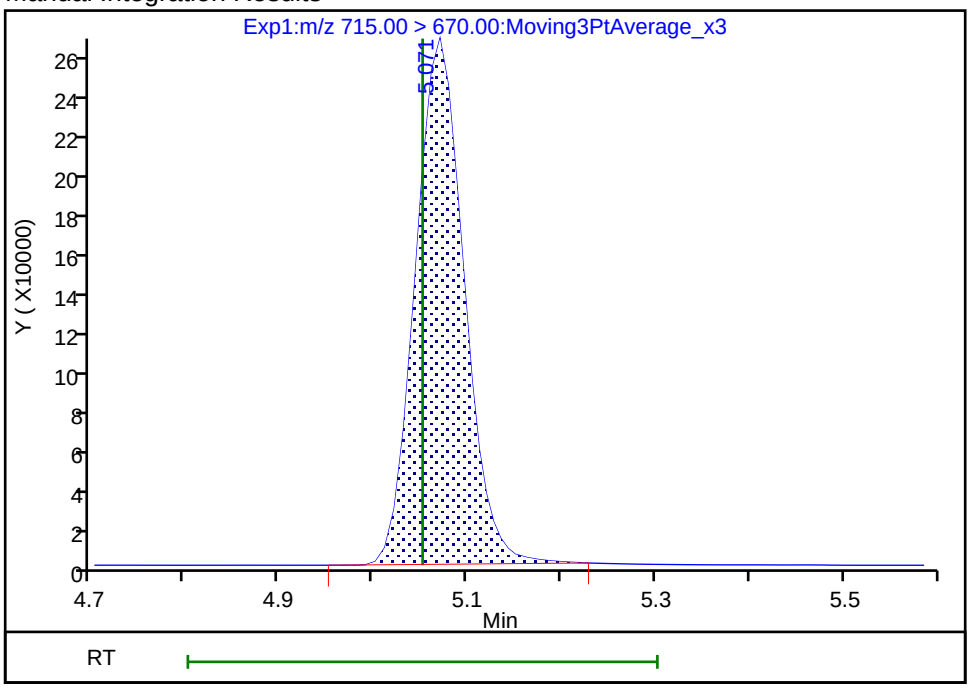
Processing Integration Results

RT: 5.07
Area: 957168
Amount: 1.109786
Amount Units: ng/ml



Manual Integration Results

RT: 5.07
Area: 946784
Amount: 1.097747
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 13:04:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

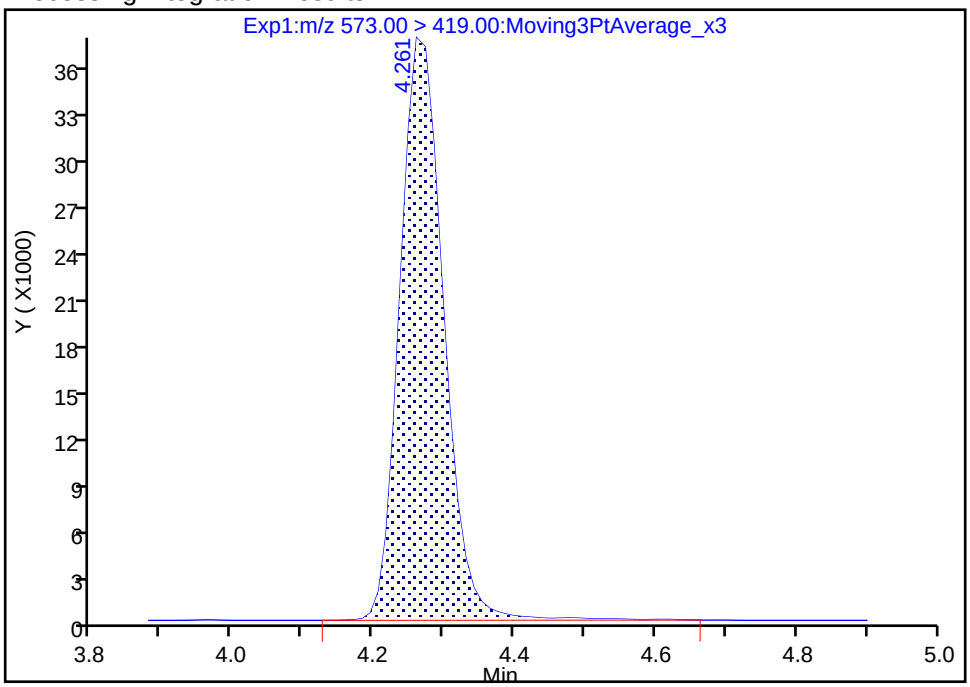
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d
Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

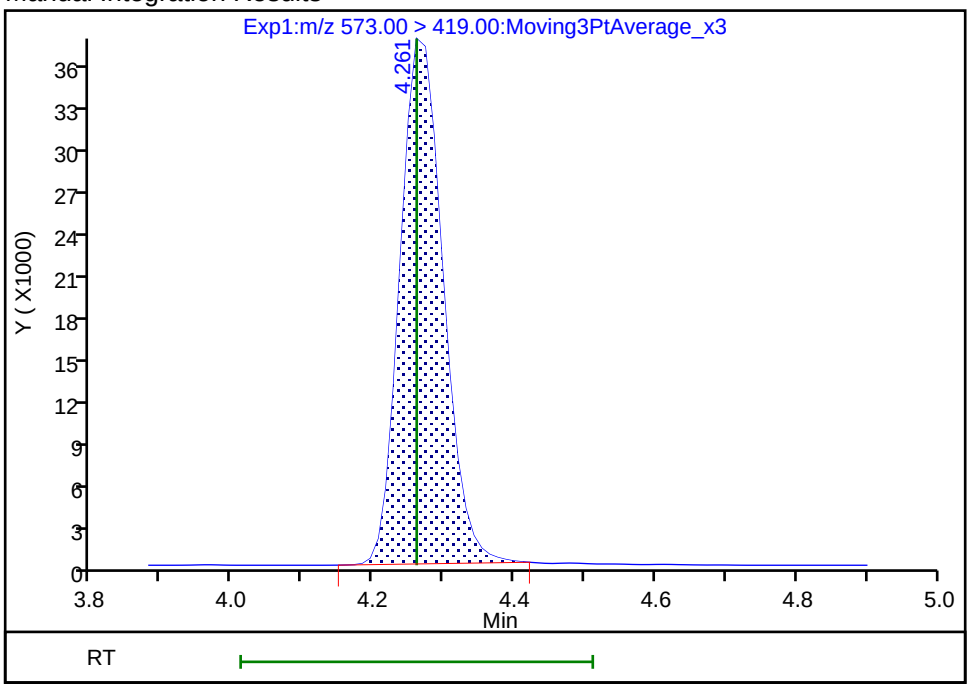
Processing Integration Results

RT: 4.26
Area: 162814
Amount: 0.903969
Amount Units: ng/ml



Manual Integration Results

RT: 4.26
Area: 159989
Amount: 0.888284
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 13:04:10
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

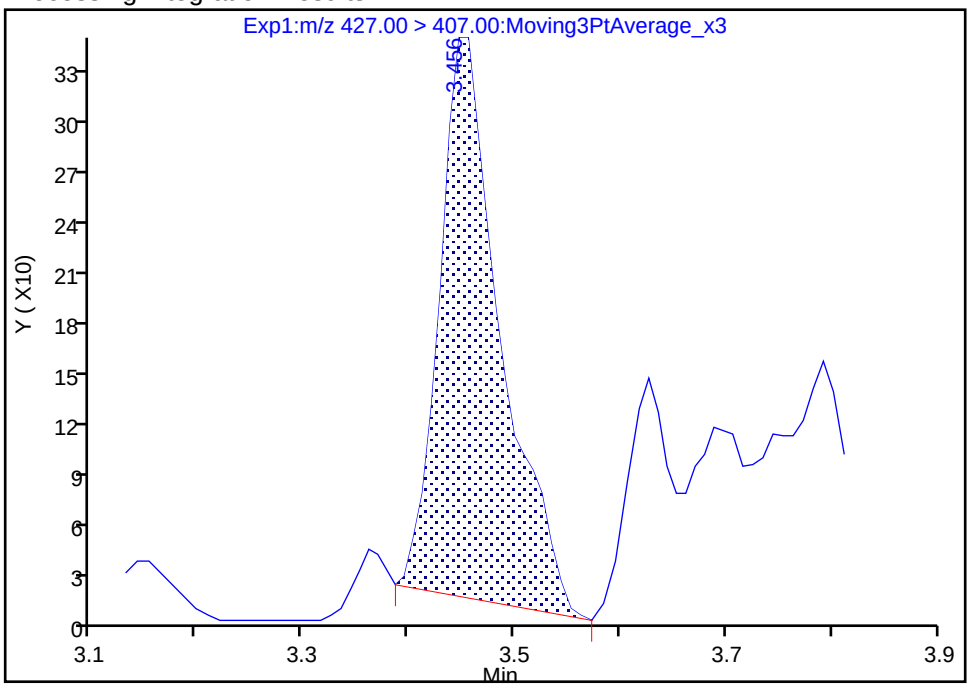
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C02.d
Injection Date: 04-Aug-2022 17:09:28 Instrument ID: LC812
Lims ID: MB 200-182374/1-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

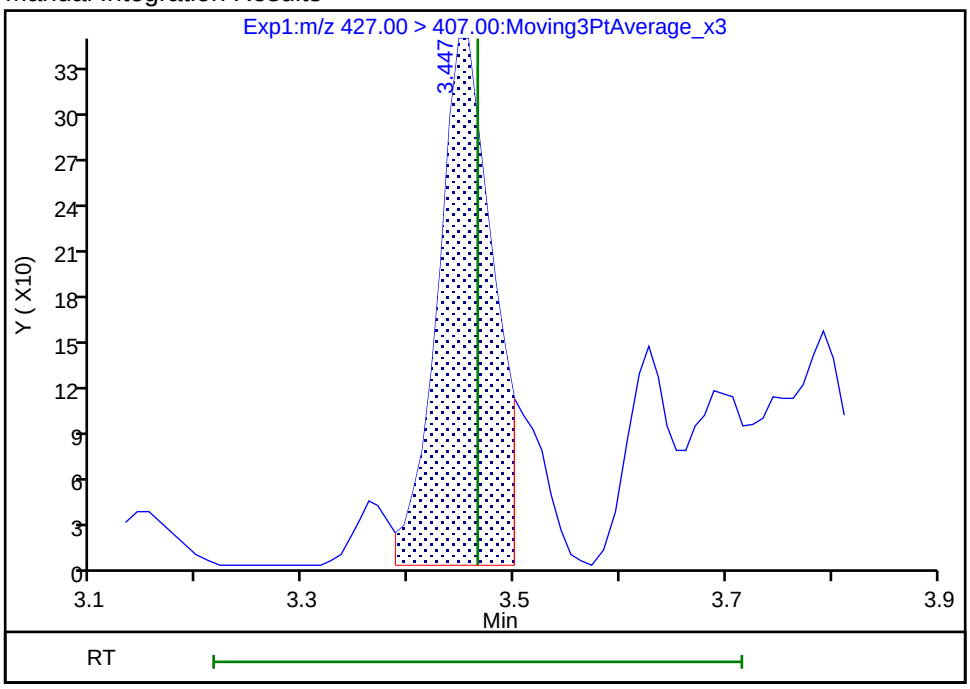
Processing Integration Results

RT: 3.46
Area: 1329
Amount: -0.011168
Amount Units: ng/ml



Manual Integration Results

RT: 3.45
Area: 1237
Amount: -0.011558
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 13:00:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Client Sample ID: Lab Sample ID: CCB 200-182364/4

Matrix: Water Lab File ID: PA220804A04.d

Analysis Method: 537 (modified) Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 08/04/2022 11:01

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 182364 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
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.050	U	0.050	0.010
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.050	U	0.050	0.021
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.: 460-262897-1

SDG No.:

Client Sample ID: Lab Sample ID: CCB 200-182364/4

Matrix: Water Lab File ID: PA220804A04.d

Analysis Method: 537 (modified) Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 08/04/2022 11:01

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 182364 Units: ng/mL

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL01892	13C4 PFHpA	91		50-150
STL00990	13C4 PFOA	97		50-150
STL00995	13C5 PFNA	101		50-150
STL00992	13C4 PFBA	97		50-150
STL00993	13C2 PFHxA	98		50-150
STL00996	13C2 PFDA	96		50-150
STL00997	13C2 PFUnA	99		50-150
STL00994	18O2 PFHxS	93		50-150
STL00998	13C2 PFDoA	104		50-150
STL00991	13C4 PFOS	94		50-150
STL01056	13C8 FOSA	95		50-150
STL01893	13C5 PFPeA	98		50-150
STL02116	13C2 PFTeDA	111		50-150
STL02118	d3-NMeFOSAA	81		50-150
STL02117	d5-NEtFOSAA	81		50-150
STL02279	M2-6:2 FTS	96		50-150
STL02337	13C3 PFBS	94		50-150
STL02280	M2-8:2 FTS	96		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A04.d
Lims ID: CCB
Client ID:
Sample Type: CCB
Inject. Date: 04-Aug-2022 11:01:08 ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: CCB
Misc. Info.: 200-0051953-004 Plate: 1 Rack: 1
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 05-Aug-2022 08:12:20 Calib Date: 03-Aug-2022 13:41:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1640

First Level Reviewer: SJ4N Date: 04-Aug-2022 16:50:08
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	2.085	2.076	0.009	0.600	2104585	1.21		97.0	11143	
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.400	0.0	0.691	1632005	1.22		97.8	3478	
D 47 13C3 PFBS										
301.90 > 80.00	2.413	2.413	0.0	0.695	1687058	1.09		93.9	268737	
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.413	2.413	0.0	1.000	3508	0.002190	Target=2.23		3.9	M
298.90 > 99.00	2.413	2.413	0.0	1.000	2197		1.60(1.11-3.34)		1.4	M
D 60 M2-4:2 FTS										
329.00 > 81.00	2.713	2.713	0.0	0.781	151830	1.14		97.8	174	
D 7 13C2 PFHxA										
315.00 > 270.00	2.750	2.750	0.0	0.792	1630391	1.22		97.8	4439	
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.859	2.859	0.0	0.823	297764	1.19		94.9	2731	
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.859	2.859	0.0	1.000	185	0.000723			5.2	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.121	3.110	0.011	0.898	1197506	1.10		93.2	2384	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.110	3.110	0.0	0.996	5200	0.004656	Target=3.43		18.9	M
399.00 > 99.00	3.110	3.110	0.0	0.996	1026		5.07(1.72-5.15)		1.8	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.121	3.121	0.0	0.898	1575485	1.14		91.1	4087	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.110	3.121	-0.011	0.996	1825	0.001405	Target=3.73		0.8	
363.00 > 169.00	3.121	3.121	0.0	1.000	550		3.32(1.86-5.59)		1.2	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 12 M2-6:2 FTS										
429.00 > 81.00	3.465	3.465	0.0	0.997	207393	1.14		96.0	632	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.465	3.465	0.0	1.000	621	-0.0144			3.9	
D 14 13C4 PFOA										
417.00 > 372.00	3.474	3.474	0.0	1.000	1722145	1.22		97.2	3182	
* 62 13C2 PFOA										
415.00 > 370.00	3.474	3.474	0.0		1859555	1.25			6610	
17 Perfluorooctanesulfonic acid										RM
499.00 > 80.00	3.792	3.792	0.0	1.000	2311	-0.0154	Target=4.88		2.3	RM
499.00 > 99.00	3.792	3.792	0.0	1.000	1208		1.91(2.44-7.32)		3.8	M
D 18 13C4 PFOS										
503.00 > 80.00	3.792	3.792	0.0	1.092	912051	1.12		94.1	2006	
D 19 13C5 PFNA										
468.00 > 423.00	3.812	3.812	0.0	1.097	1861727	1.27		101	2760	
D 23 13C2 PFDA										
515.00 > 470.00	4.116	4.116	0.0	1.185	1725847	1.21		96.4	5187	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.116	4.127	-0.011	0.997	346	0.001710			4.4	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.127	4.127	0.0	1.188	250848	1.15		95.7	826	
D 21 13C8 FOSA										
506.00 > 78.00	4.161	4.161	0.0	1.198	1484724	1.18		94.8	2696	
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.173	4.161	0.012	1.003	623	0.000515			4.8	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.023	4.261	-0.238	0.944	139	0.001011			0.3	M
D 27 d3-NMeFOSAA										
573.00 > 419.00	4.261	4.261	0.0	1.227	193474	1.01		80.7	2132	
D 30 13C2 PFUnA										
565.00 > 520.00	4.387	4.387	0.0	1.263	1343724	1.24		99.1	2550	
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.399	4.399	0.0	1.266	183545	1.01		80.8	1487	
66 11-Chloroeicosafluoro-3-oxaundec										M
631.00 > 451.00	4.504	4.491	0.013	1.188	1232	0.000702			12.7	M
D 36 13C2 PFDoA										
615.00 > 570.00	4.633	4.633	0.0	1.334	1456944	1.30		104	2264	
37 Perfluorododecanoic acid										RM
613.00 > 569.00	4.633	4.633	0.0	1.000	1792	0.001516	Target=6.97		0.3	R
613.00 > 169.00	4.622	4.633	-0.011	0.998	139		12.89(3.48-10.45)		1.8	M
74 1H,1H,2H,2H-perfluorododecanesul										
627.00 > 607.00	4.643	4.654	-0.011	1.125	323	0.003418			14.4	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.062	5.052	0.010	1.457	1273787	1.39		111	3473	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.062	5.052	0.010	1.000	213	0.001305	Target=0.94		4.1	M
713.00 > 219.00	5.052	5.052	0.0	0.998	358		0.59(0.47-1.41)		8.9	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.433	5.422	0.011	1.002	12268	-0.008282	Target=4.38		3.9	
813.00 > 169.00	5.433	5.422	0.011	1.002	2767		4.43(2.19-6.57)		41.3	
D 44 13C2 PFHxDA										
815.00 > 770.00	5.422	5.422	0.0	1.561	1373168	1.31		105	3809	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.803	5.795	0.008	1.070	543	0.000743	Target=4.31		0.3	M
913.00 > 169.00	5.794	5.795	-0.001	1.069	165		3.29(2.16-6.47)		4.5	M

QC Flag Legend

Processing Flags

R - Failed Signal Ratio Test

Review Flags

M - Manually Integrated

Reagents:

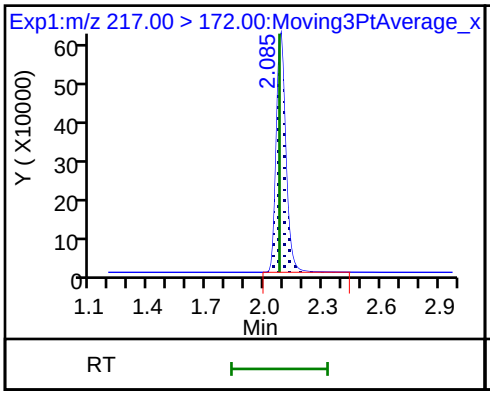
PFAS32NCBLK20_00021 Amount Added: 100.00 Units: uL

Report Date: 05-Aug-2022 11:53:10 Chrom Revision: 2.3 04-Aug-2022 18:02:28

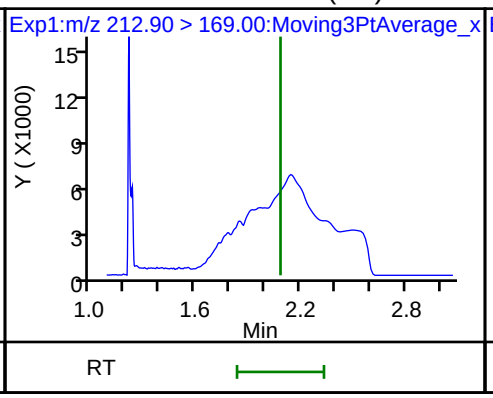
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A04.d
Injection Date: 04-Aug-2022 11:01:08 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

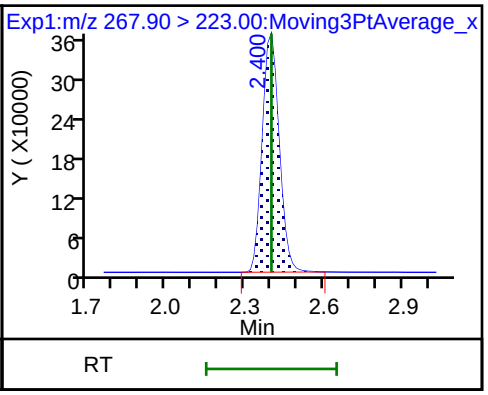
D 1 13C4 PFBA



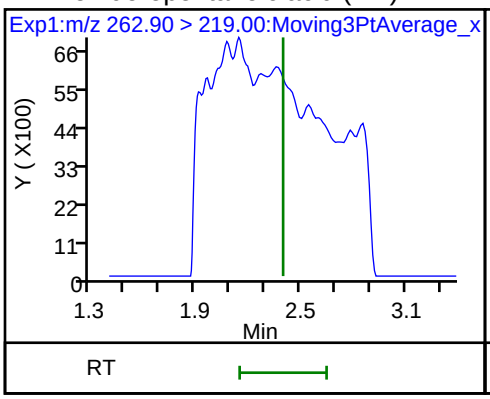
2 Perfluorobutanoic acid (ND)



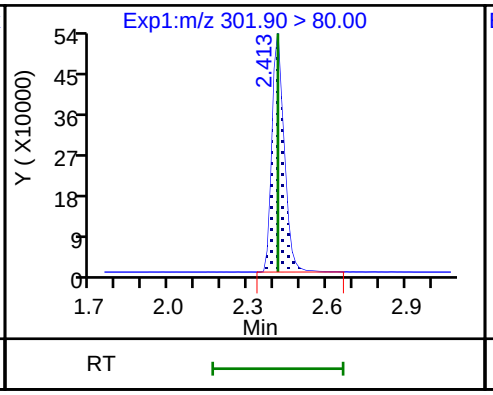
D 3 13C5 PFPeA



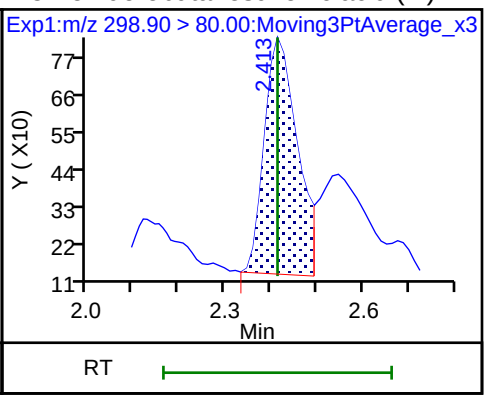
4 Perfluoropentanoic acid (ND)



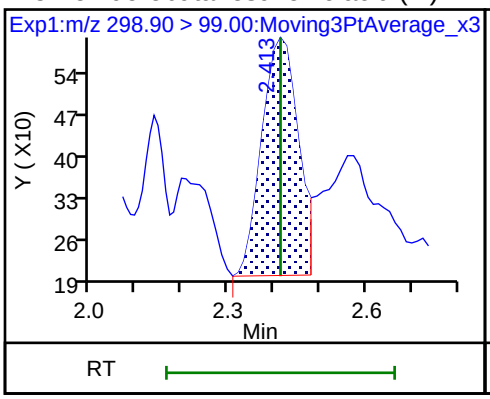
D 47 13C3 PFBS



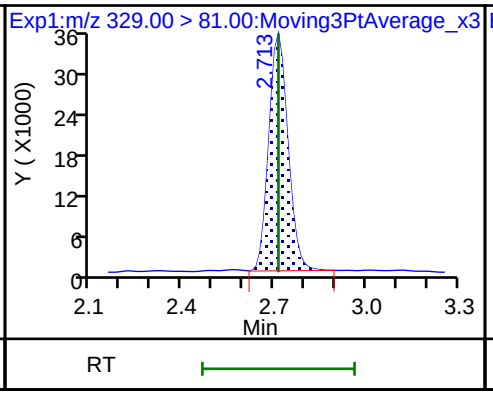
5 Perfluorobutanesulfonic acid (M)



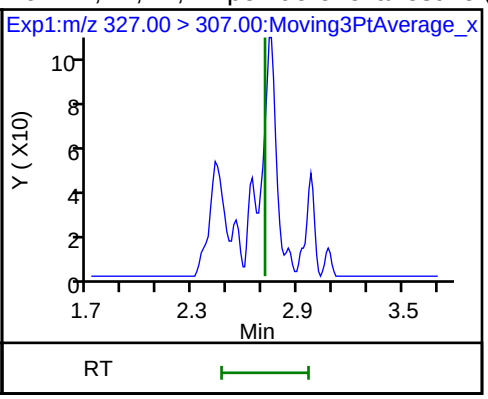
5 Perfluorobutanesulfonic acid (M)



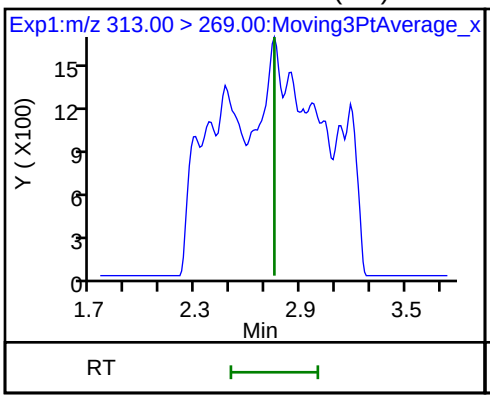
D 60 M2-4:2 FTS



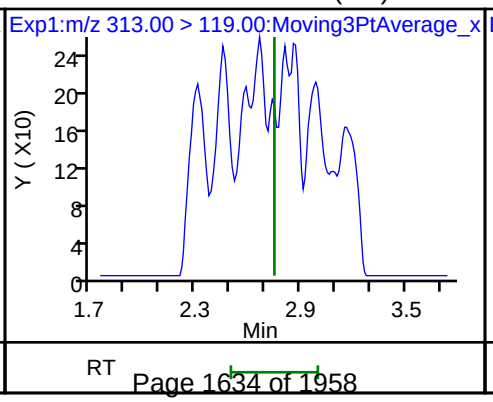
61 1H,1H,2H,2H-perfluorohexanesulfo (ND)



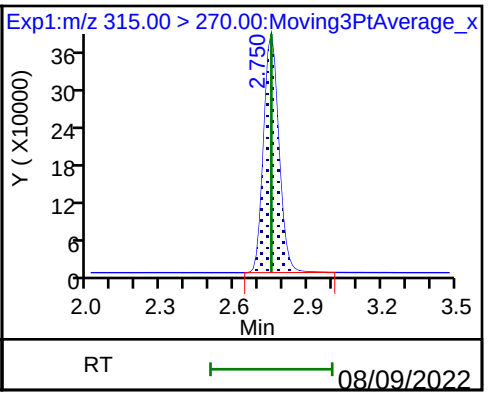
6 Perfluorohexanoic acid (ND)



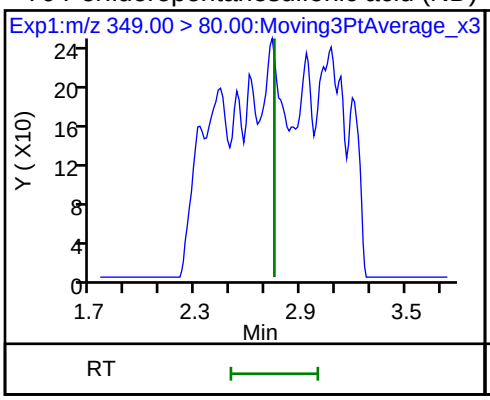
6 Perfluorohexanoic acid (ND)



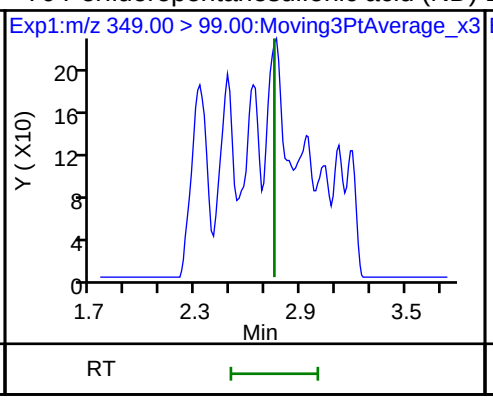
D 7 13C2 PFHxA

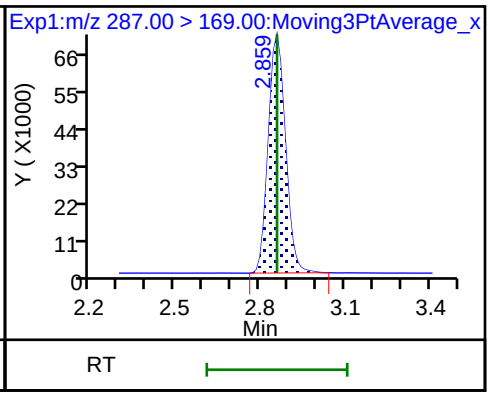


70 Perfluoropentanesulfonic acid (ND)

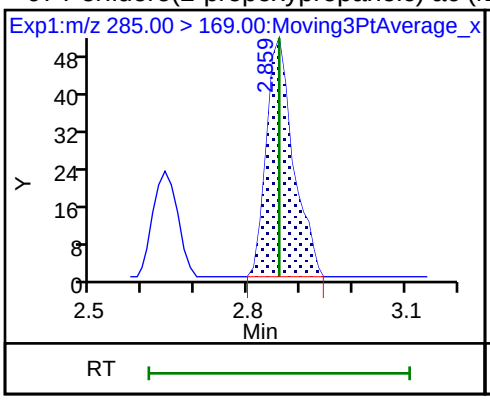


70 Perfluoropentanesulfonic acid (ND) D 64 13C3 HFPO-DA

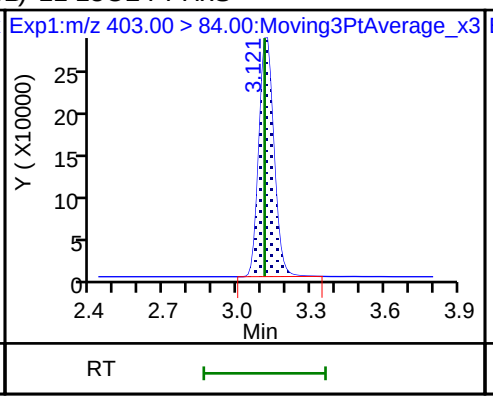




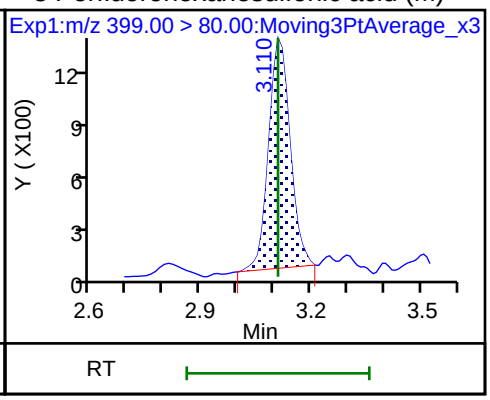
67 Perfluoro(2-propoxypropanoic) ac (ND)



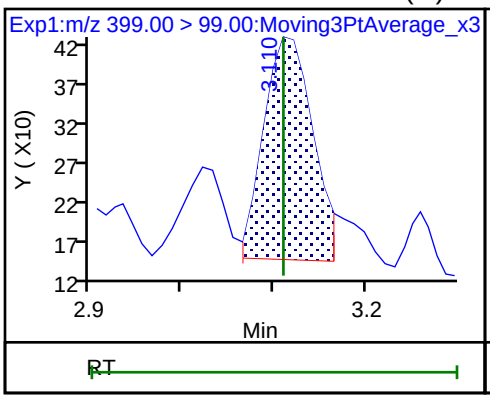
D 11 18O2 PFHxS



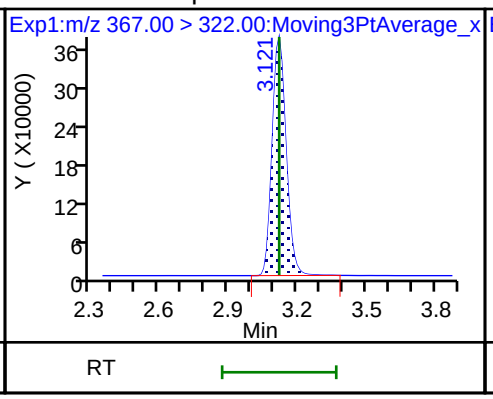
8 Perfluorohexanesulfonic acid (M)



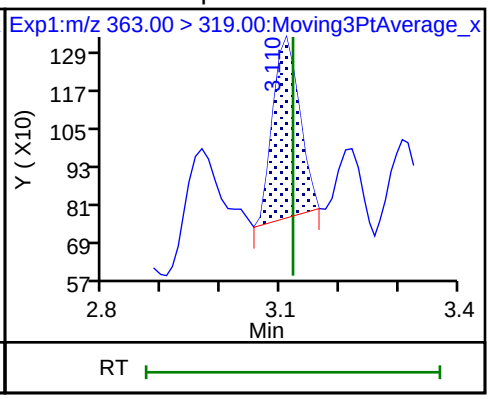
8 Perfluorohexanesulfonic acid (M)



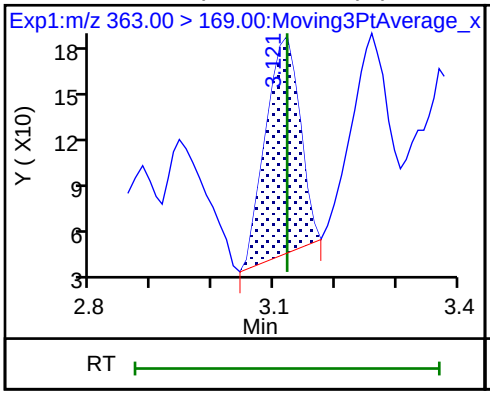
D 9 13C4 PFHpA



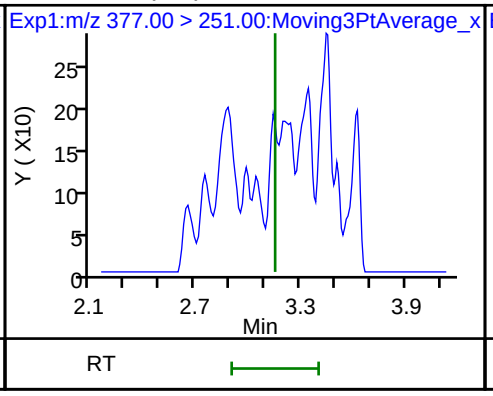
10 Perfluoroheptanoic acid



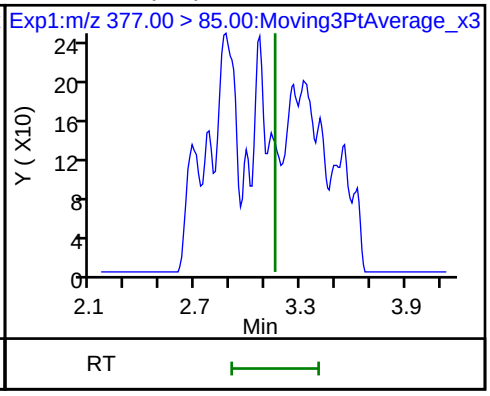
10 Perfluoroheptanoic acid (M)



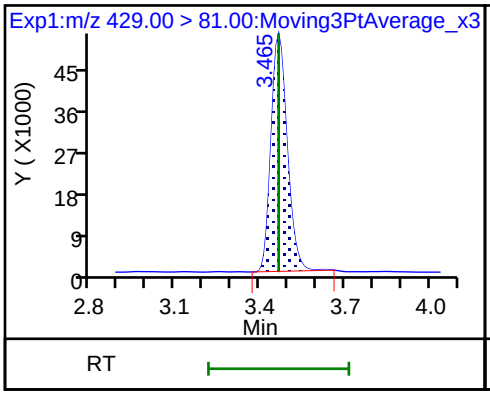
77 DONA (ND)



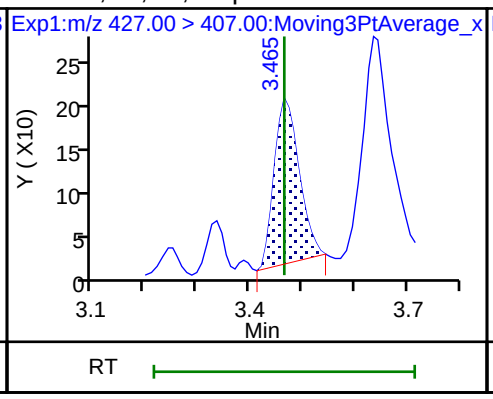
77 DONA (ND)



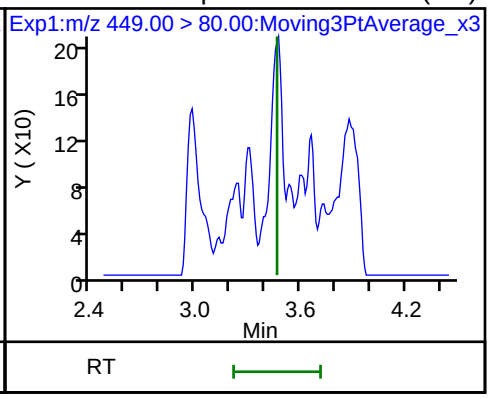
D 12 M2-6:2 FTS



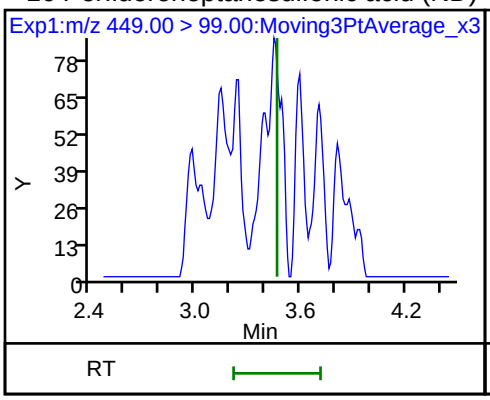
13 1H,1H,2H,2H-perfluorooctanesulfo



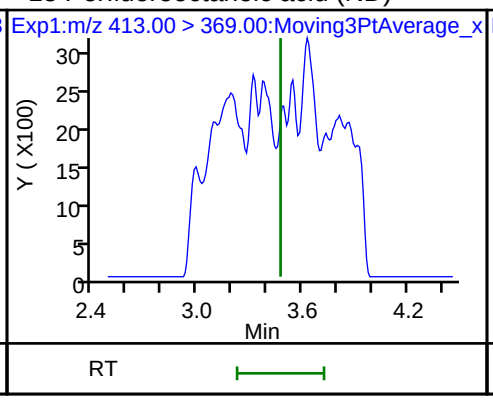
16 Perfluoroheptanesulfonic acid (ND)



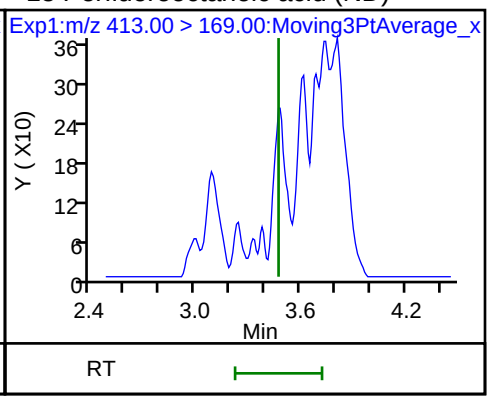
16 Perfluoroheptanesulfonic acid (ND)



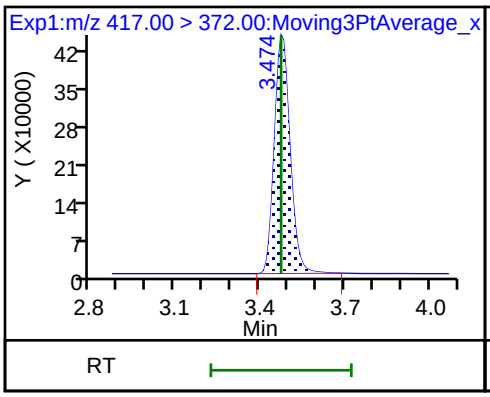
15 Perfluorooctanoic acid (ND)



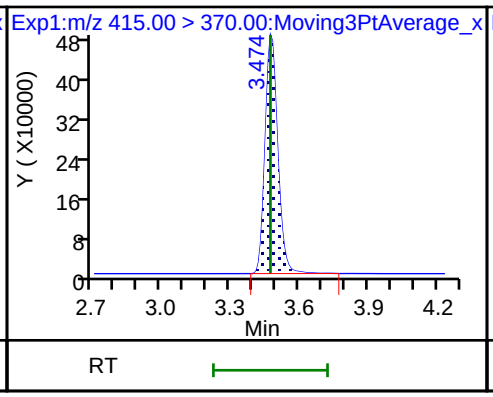
15 Perfluorooctanoic acid (ND)



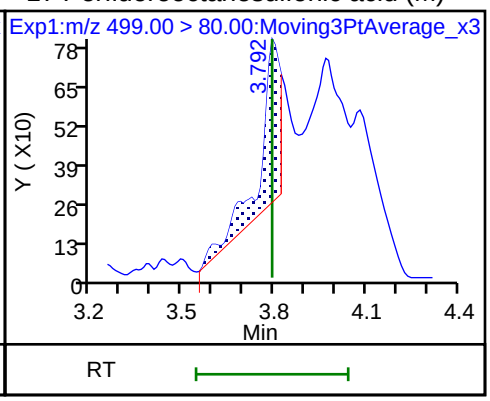
D 14 13C4 PFOA



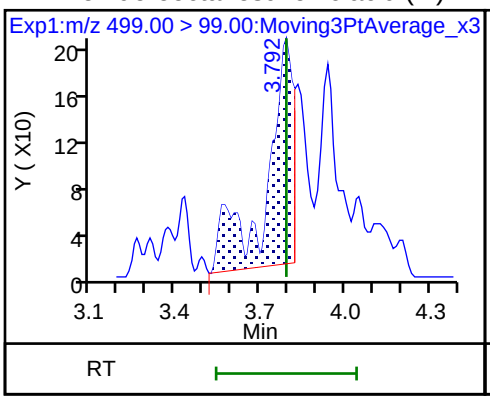
* 62 13C2 PFOA



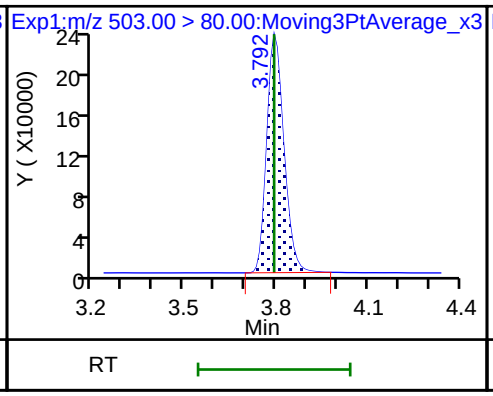
17 Perfluorooctanesulfonic acid (M)



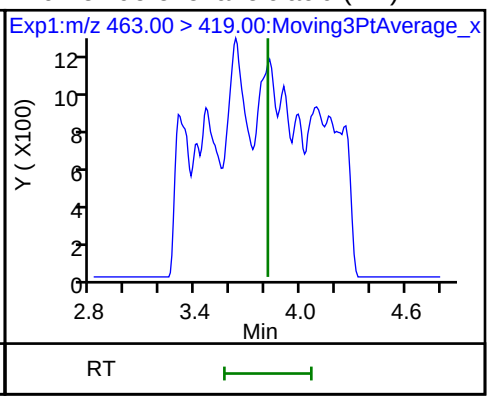
17 Perfluorooctanesulfonic acid (M)



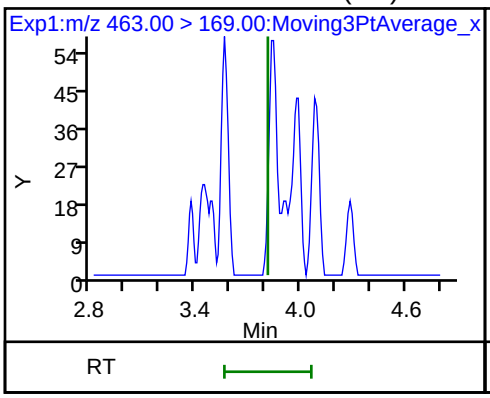
D 18 13C4 PFOS



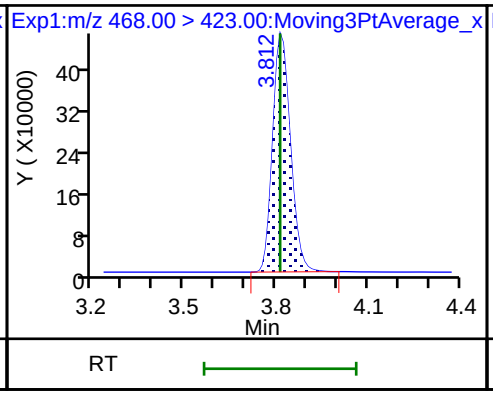
20 Perfluorononanoic acid (ND)



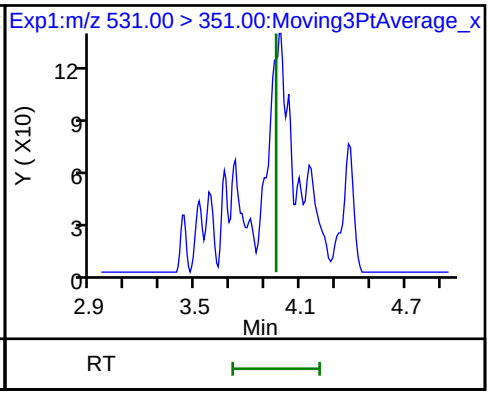
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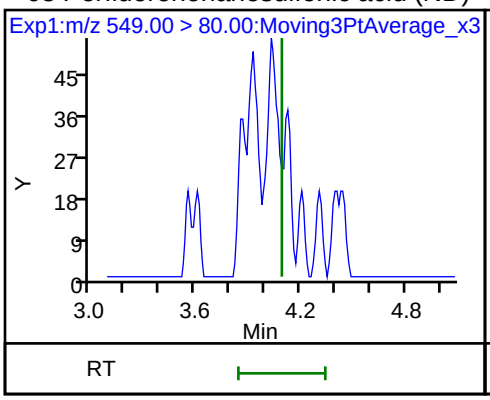
D 19 13C5 PFNA



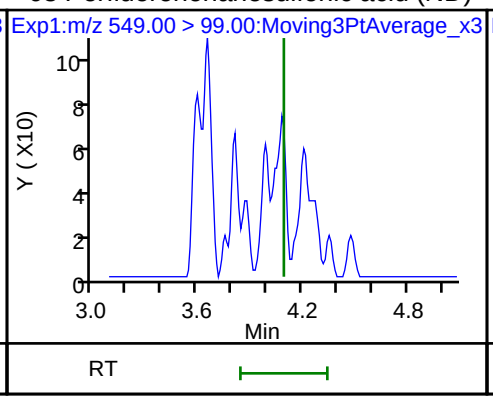
69 9-Chlorohexadecafluoro-3-oxanona (ND)



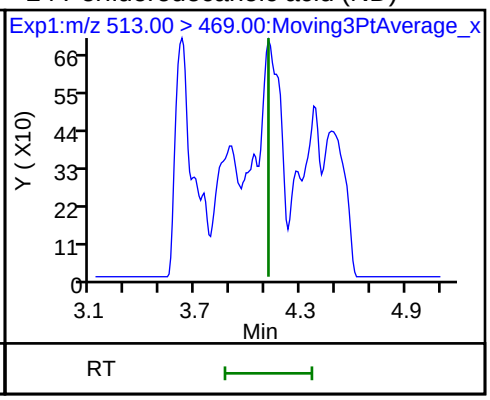
68 Perfluorononanesulfonic acid (ND)



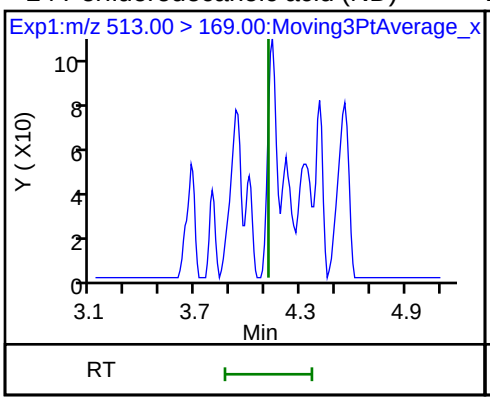
68 Perfluorononanesulfonic acid (ND)



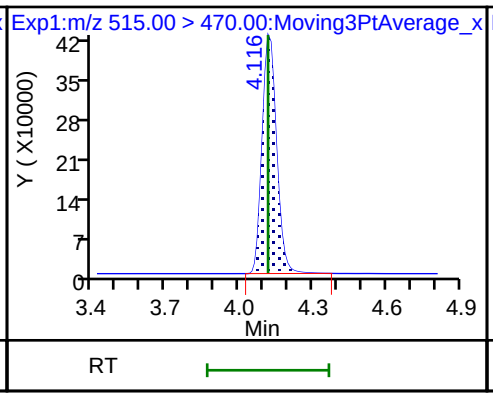
24 Perfluorodecanoic acid (ND)



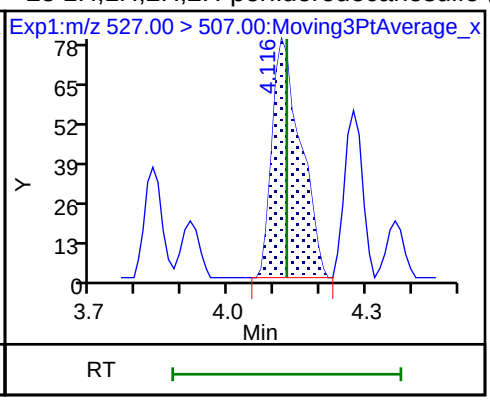
24 Perfluorodecanoic acid (ND)



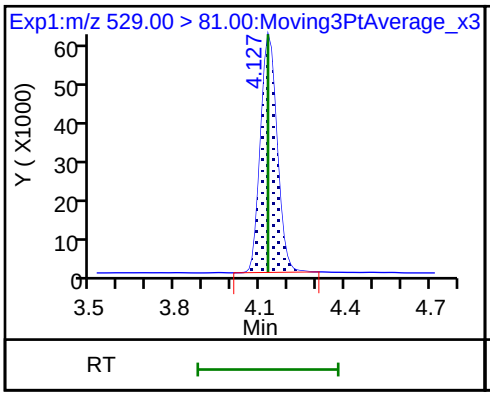
D 23 13C2 PFDA



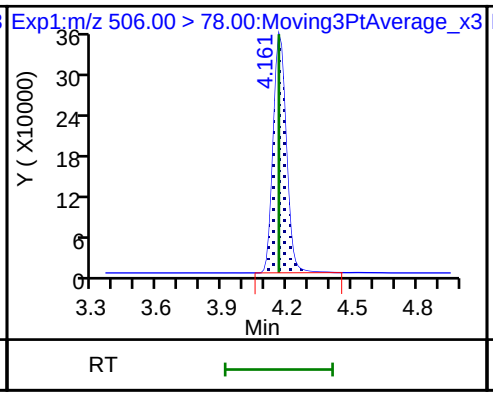
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



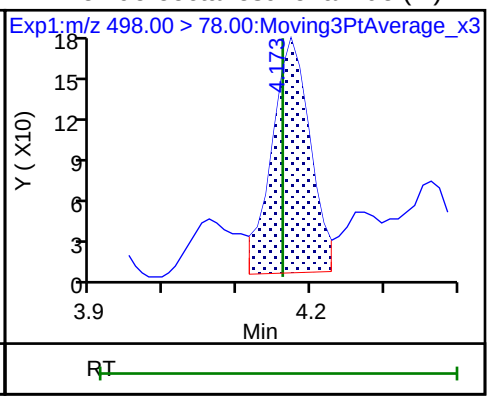
D 26 M2-8:2 FTS



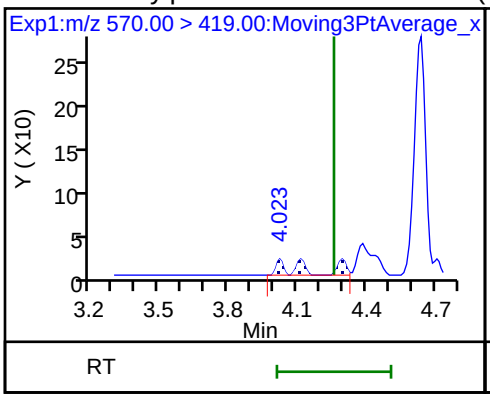
D 21 13C8 FOSA



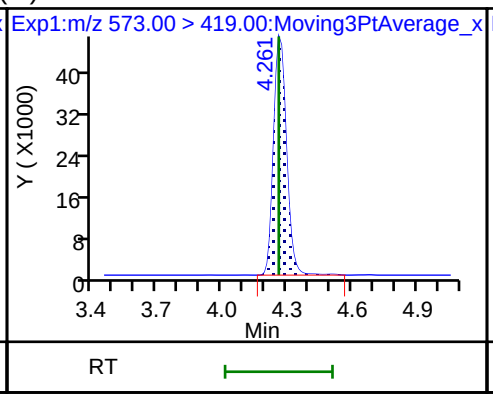
22 Perfluorooctanesulfonamide (M)



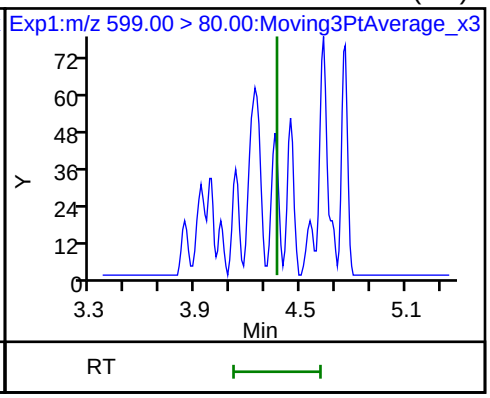
28 N-methylperfluorooctanesulfonami (D)



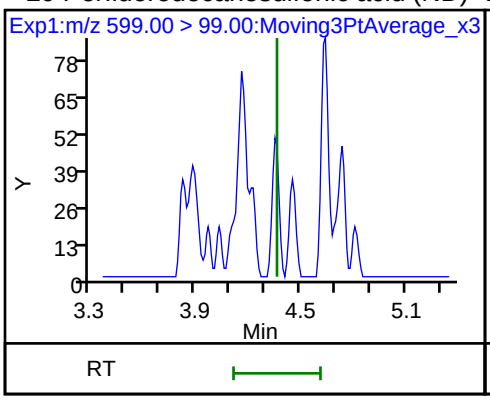
27 d3-NMeFOSAA



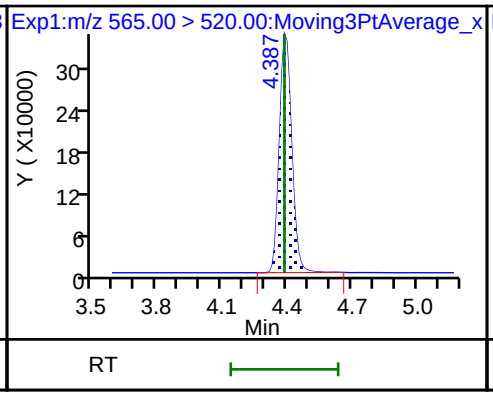
29 Perfluorodecanesulfonic acid (ND)



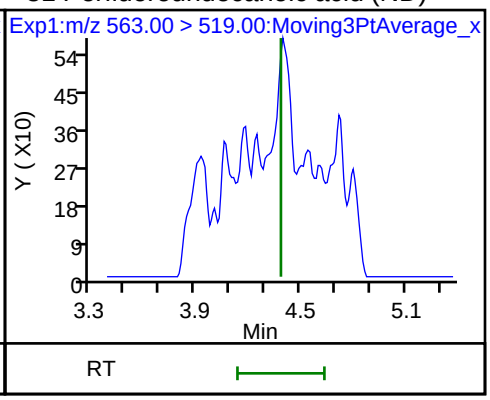
29 Perfluorodecanesulfonic acid (ND) D



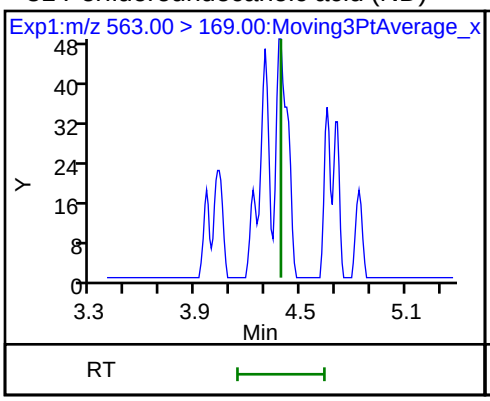
30 13C2 PFUnA



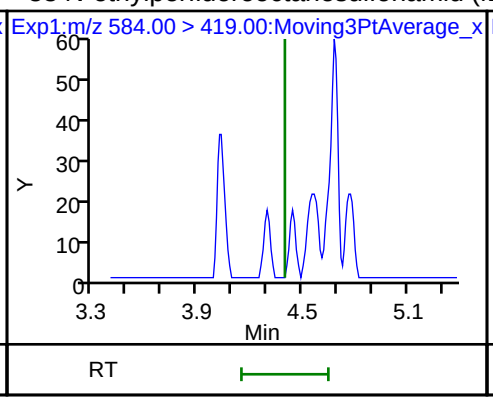
31 Perfluoroundecanoic acid (ND)



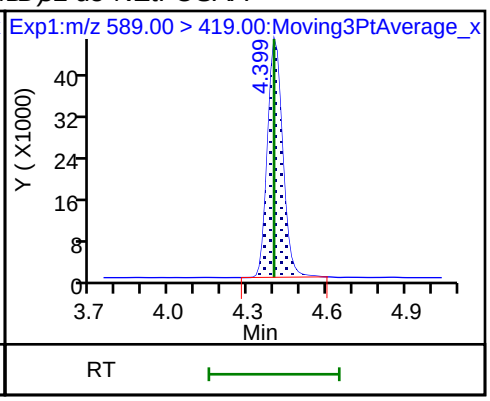
31 Perfluoroundecanoic acid (ND)



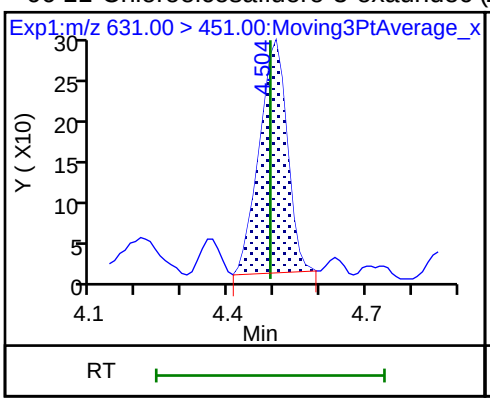
33 N-ethylperfluorooctanesulfonamid (ND)



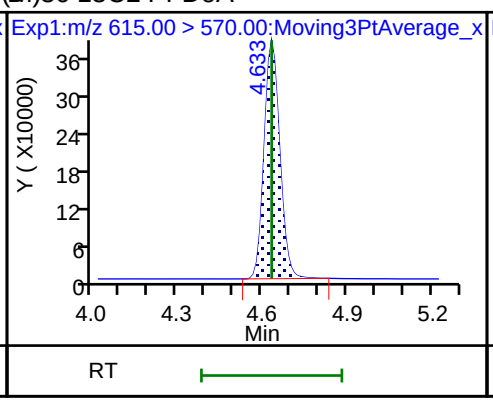
32 d5-NEtFOSAA



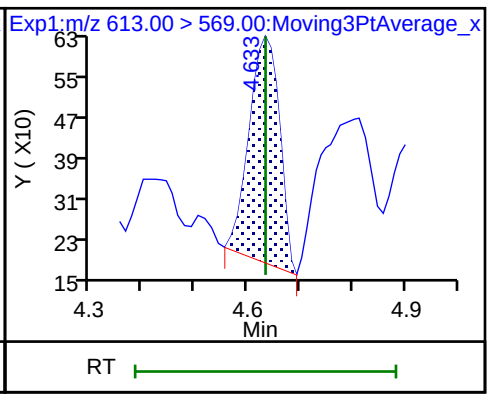
66 11-Chloroeicosafluoro-3-oxaundec (D)



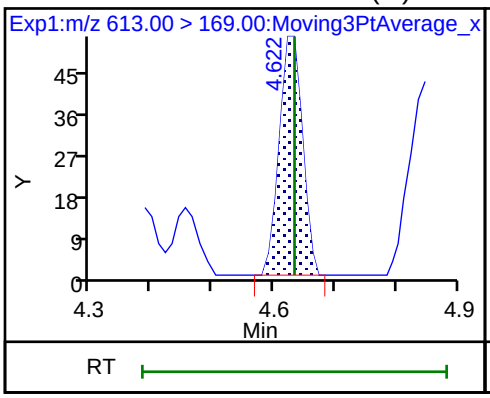
36 13C2 PFDoA



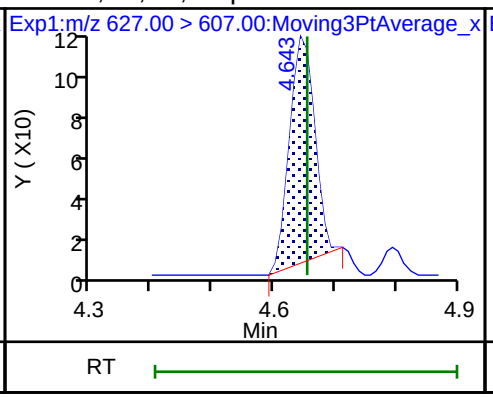
37 Perfluorododecanoic acid



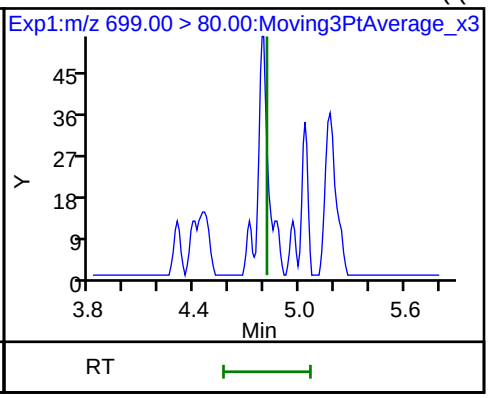
37 Perfluorododecanoic acid (M)



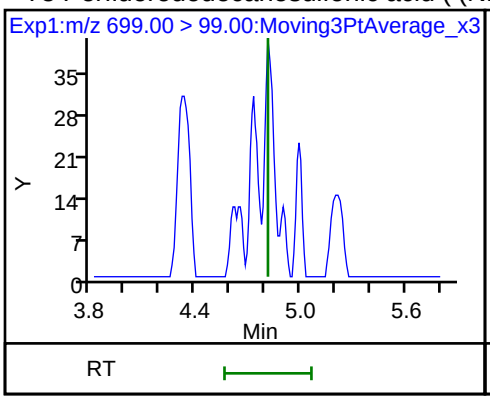
74 1H,1H,2H,2H-perfluorododecanesul



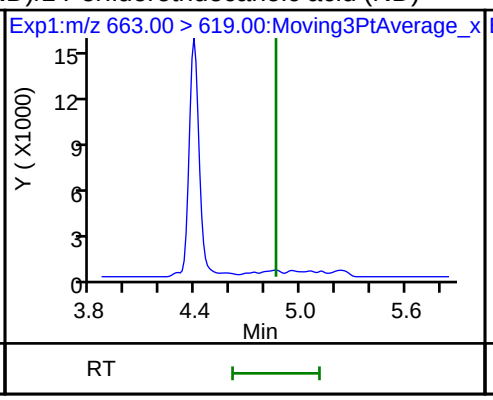
75 Perfluorododecanesulfonic acid ((ND)



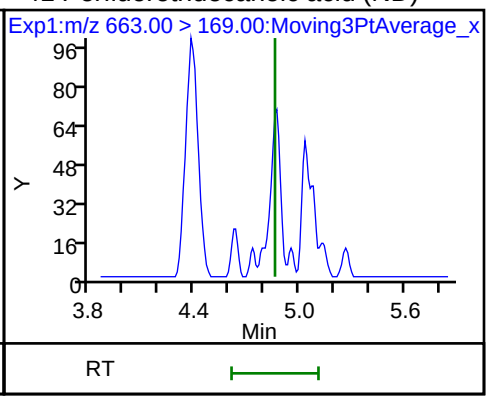
75 Perfluorododecanesulfonic acid ((ND)



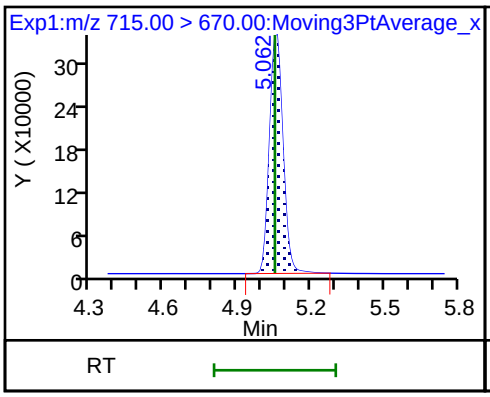
41 Perfluorotridecanoic acid (ND)



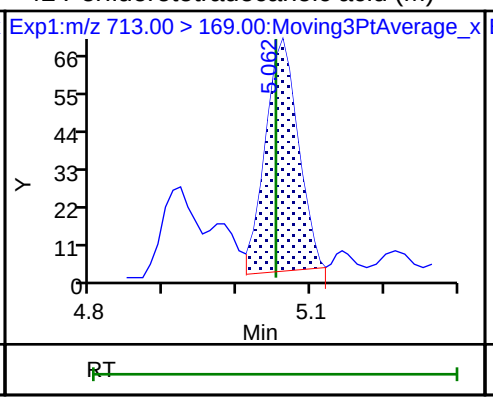
41 Perfluorotridecanoic acid (ND)



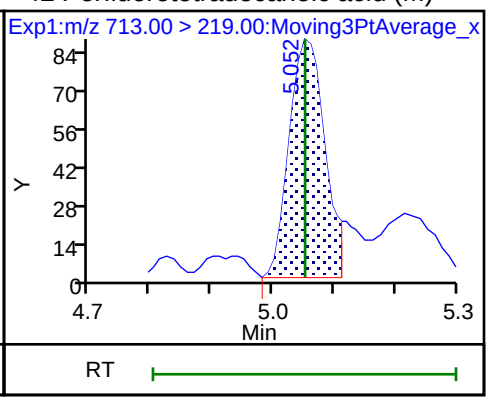
D 43 13C2 PFTeDA



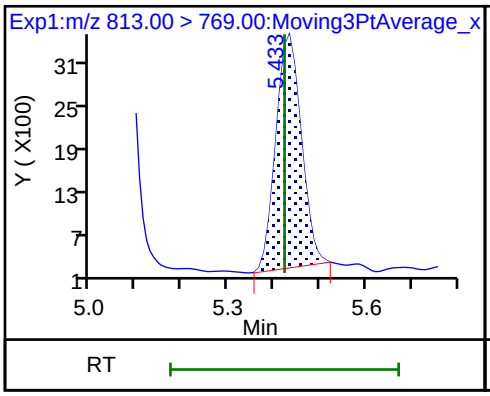
42 Perfluorotetradecanoic acid (M)



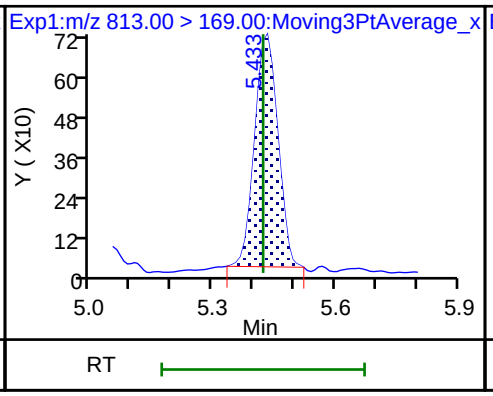
42 Perfluorotetradecanoic acid (M)



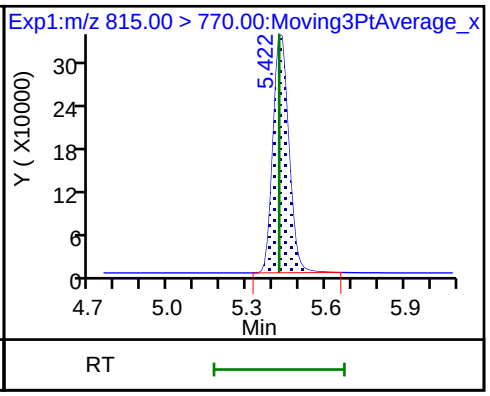
45 Perfluorohexadecanoic acid



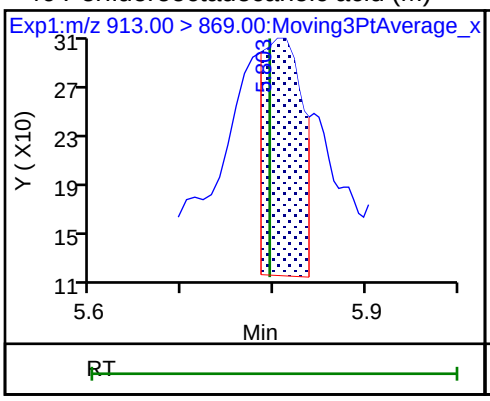
45 Perfluorohexadecanoic acid



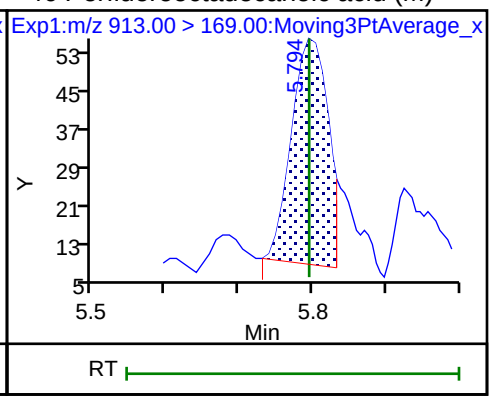
D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)



46 Perfluorooctadecanoic acid (M)



Manual Integration/User Assign Peak Report

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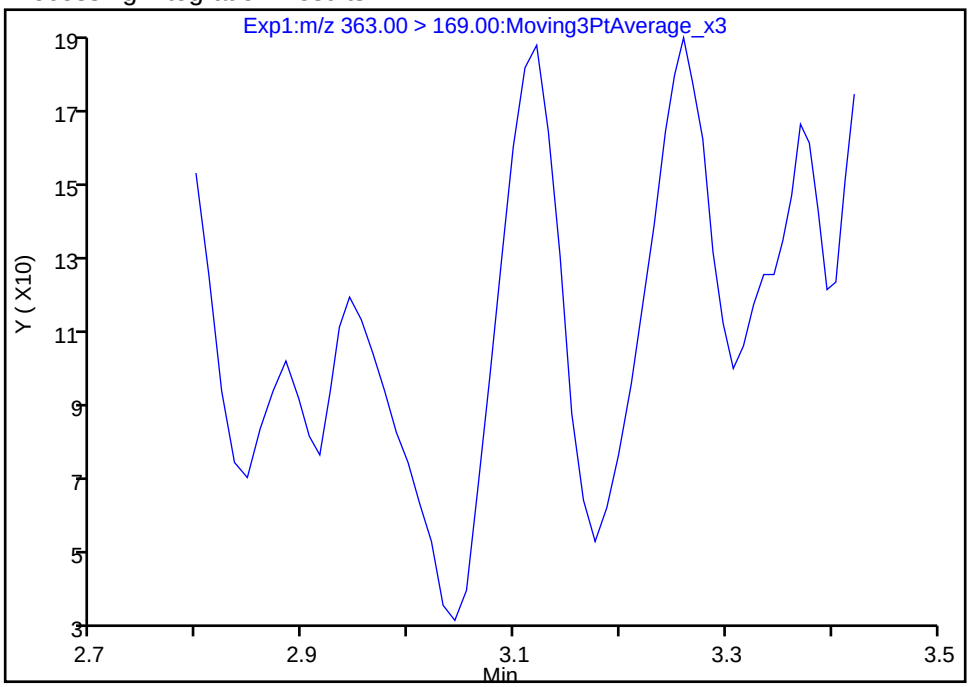
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A04.d				
Injection Date:	04-Aug-2022 11:01:08	Instrument ID:	LC812		
Lims ID:	CCB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	1	Worklist Smp#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

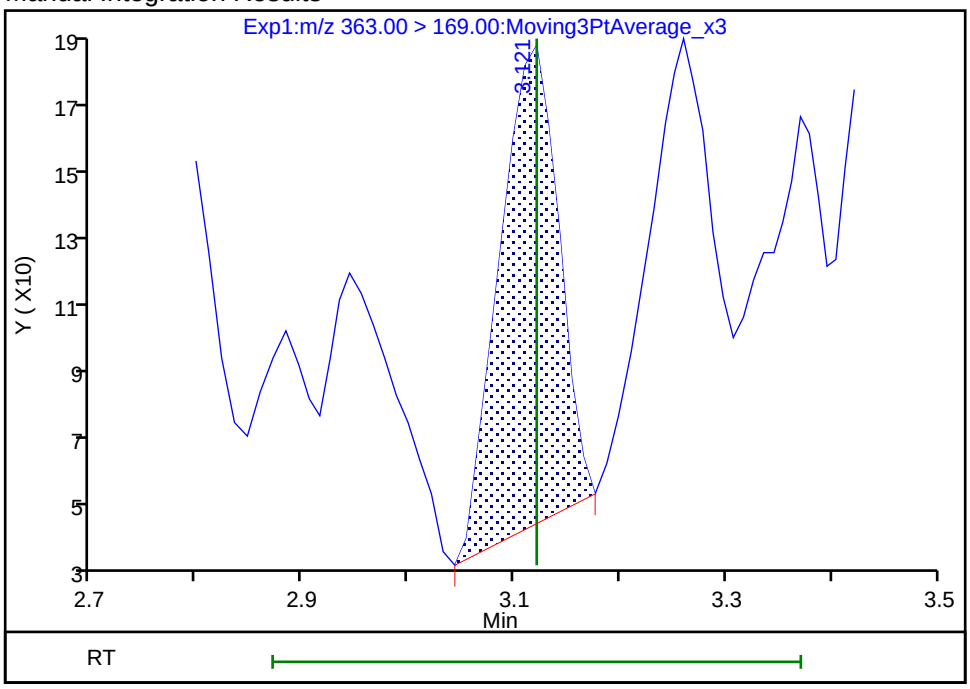
Not Detected
Expected RT: 3.12

Processing Integration Results



Manual Integration Results

RT: 3.12
Area: 550
Amount: 0.001405
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:46:03
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

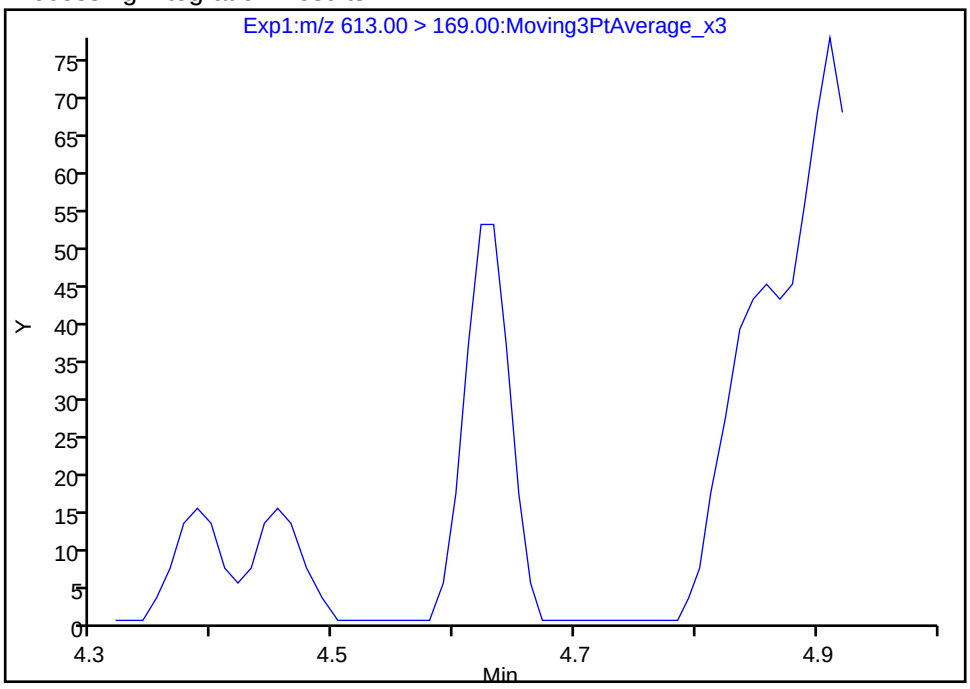
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A04.d
Injection Date: 04-Aug-2022 11:01:08 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

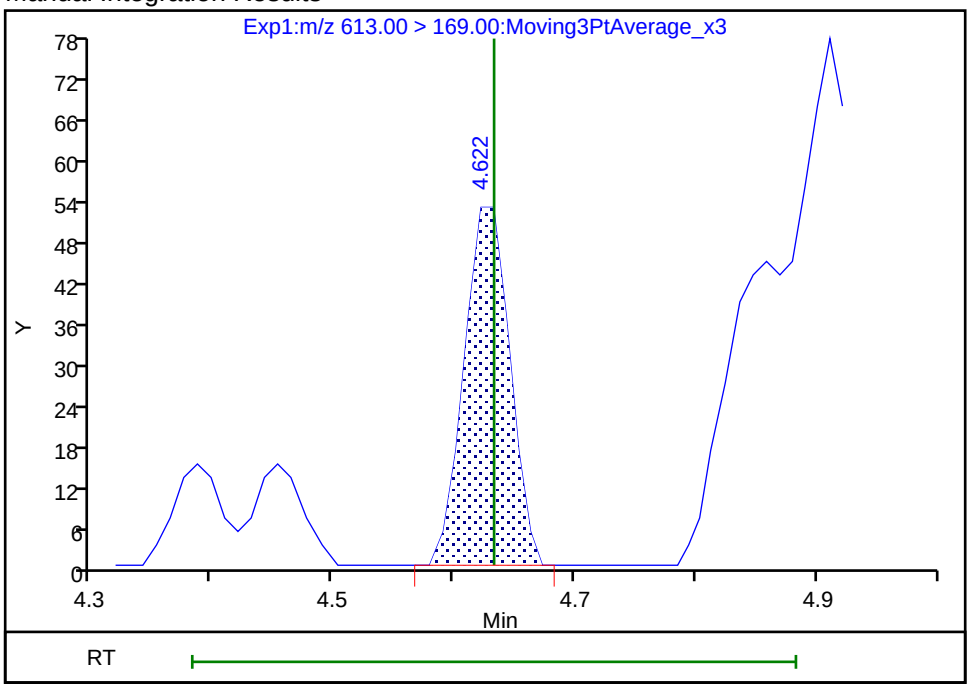
Not Detected
Expected RT: 4.63

Processing Integration Results



Manual Integration Results

RT: 4.62
Area: 139
Amount: 0.001516
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:48:45
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

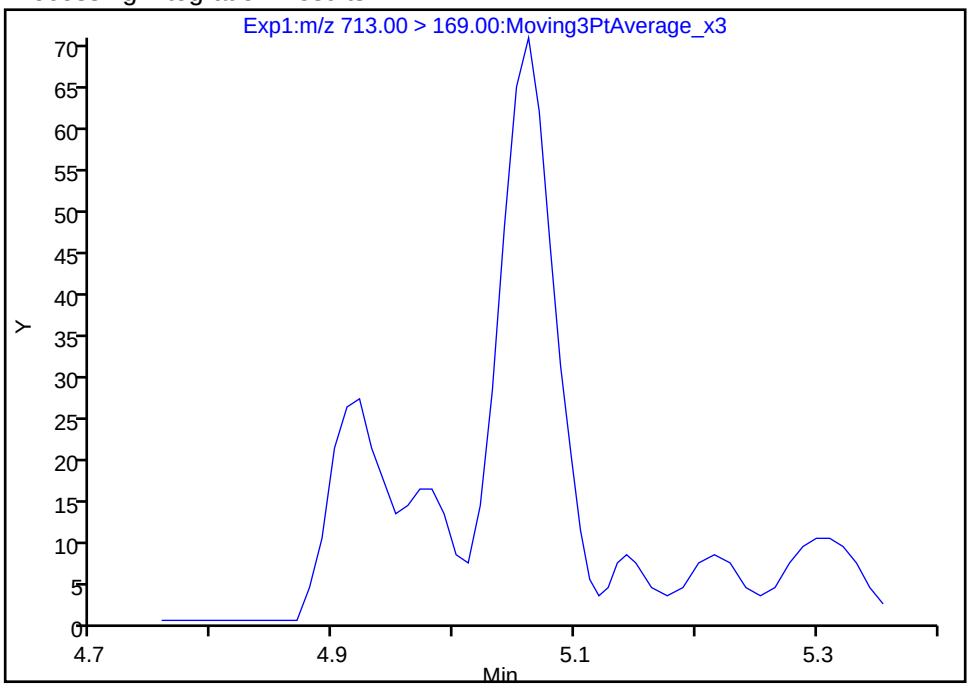
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A04.d
Injection Date: 04-Aug-2022 11:01:08 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

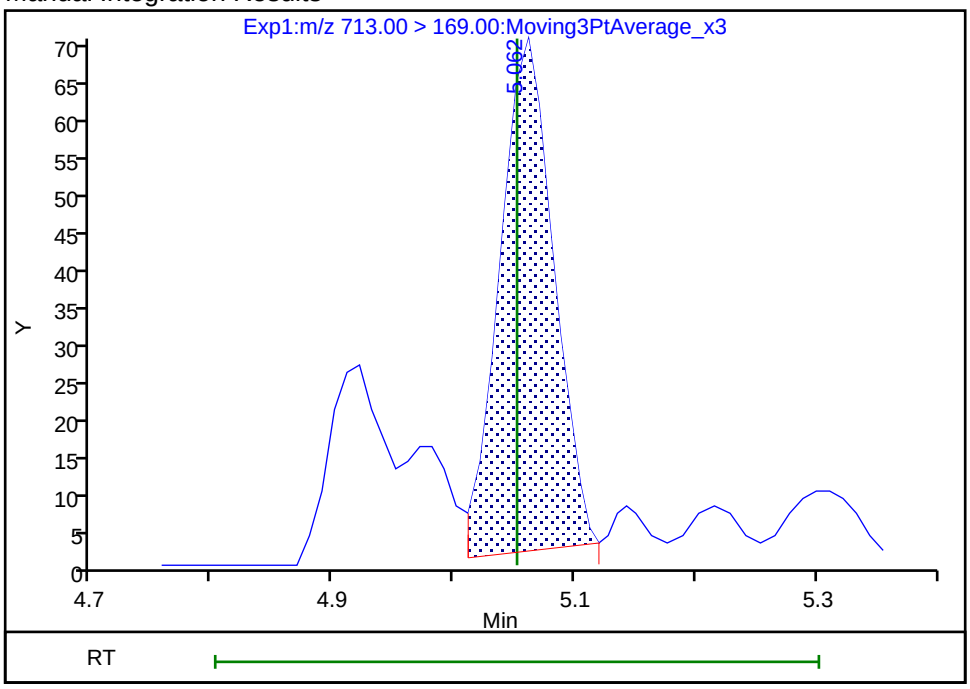
Not Detected
Expected RT: 5.05

Processing Integration Results



Manual Integration Results

RT: 5.06
Area: 213
Amount: 0.001305
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:49:09
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

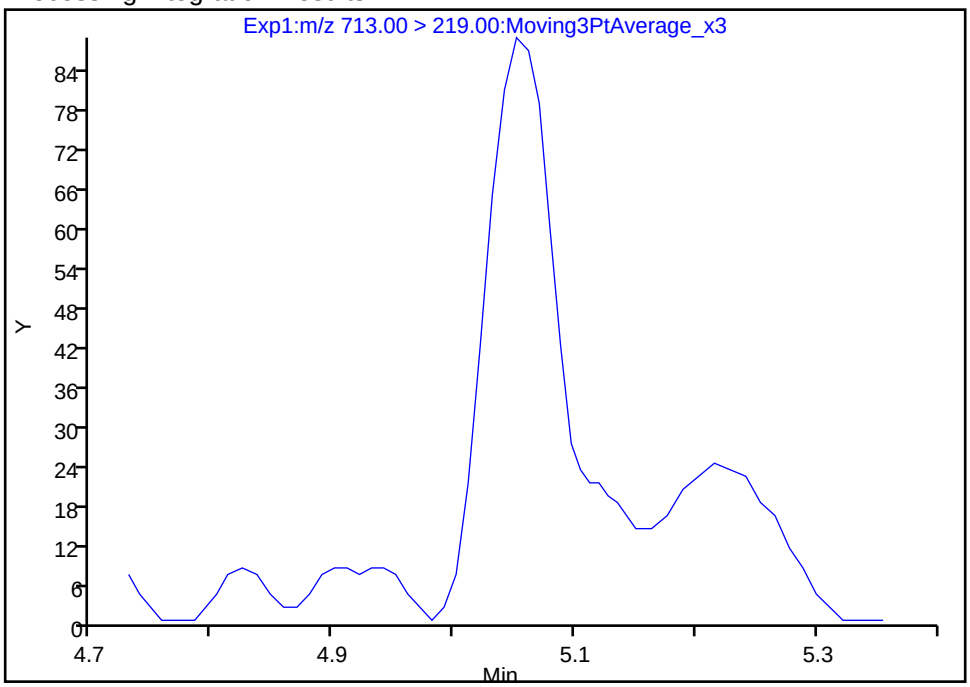
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Injection Date: 04-Aug-2022 11:01:08 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

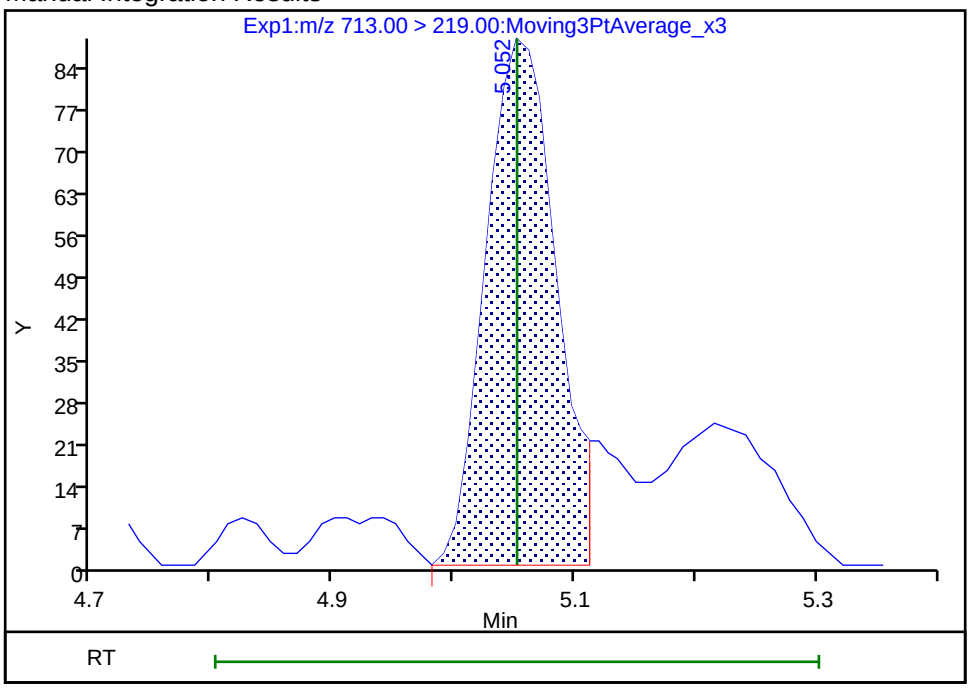
Not Detected
Expected RT: 5.05

Processing Integration Results



Manual Integration Results

RT: 5.05
Area: 358
Amount: 0.001305
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:49:12
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

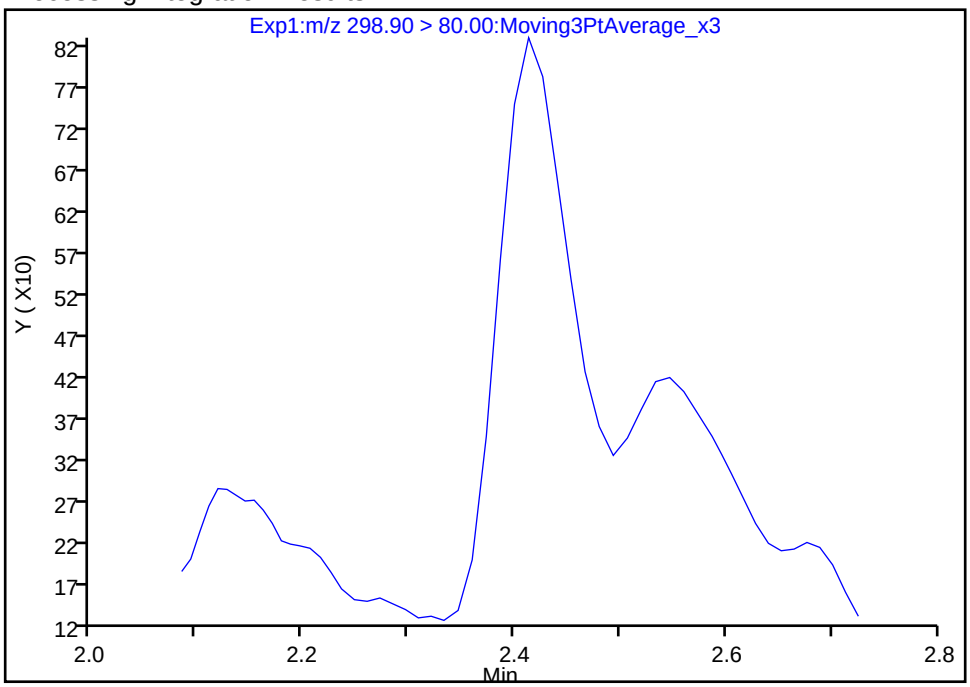
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A04.d
Injection Date: 04-Aug-2022 11:01:08 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

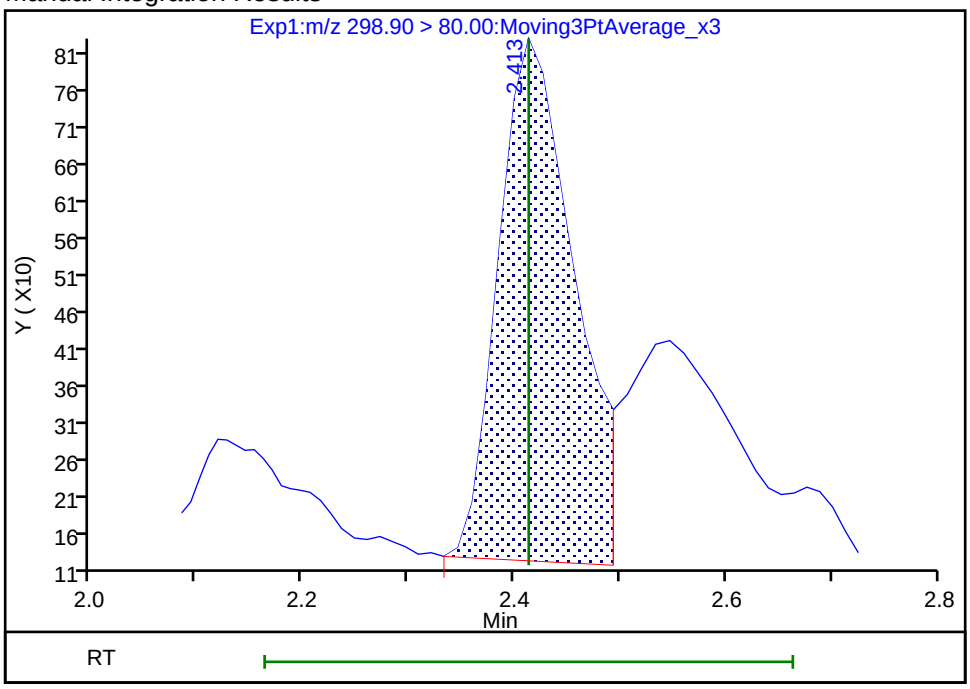
Not Detected
Expected RT: 2.41

Processing Integration Results



Manual Integration Results

RT: 2.41
Area: 3508
Amount: 0.002190
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:45:21
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

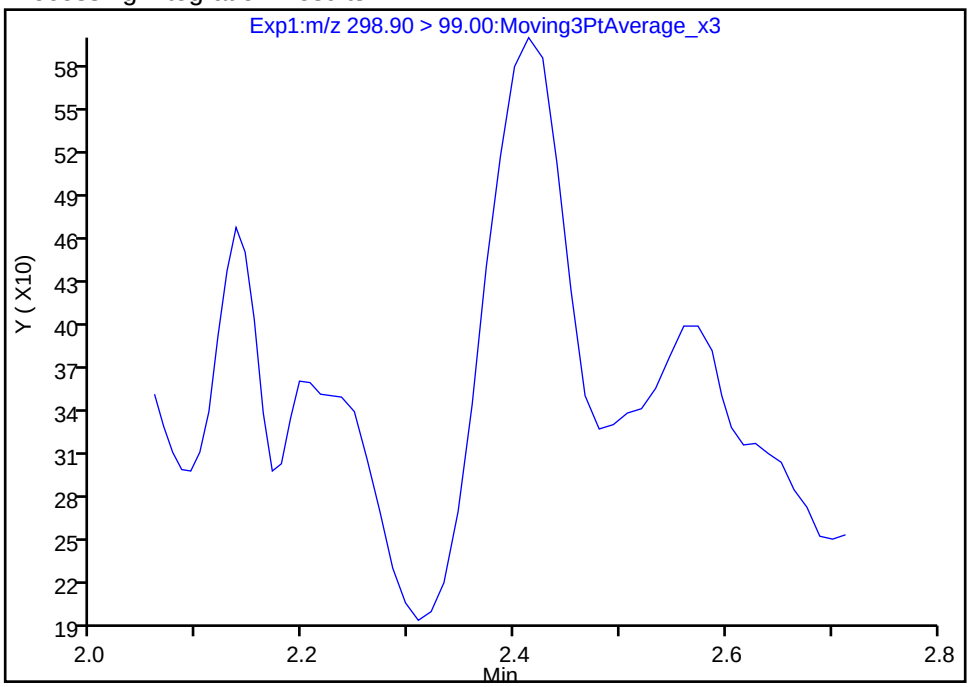
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A04.d
Injection Date: 04-Aug-2022 11:01:08 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

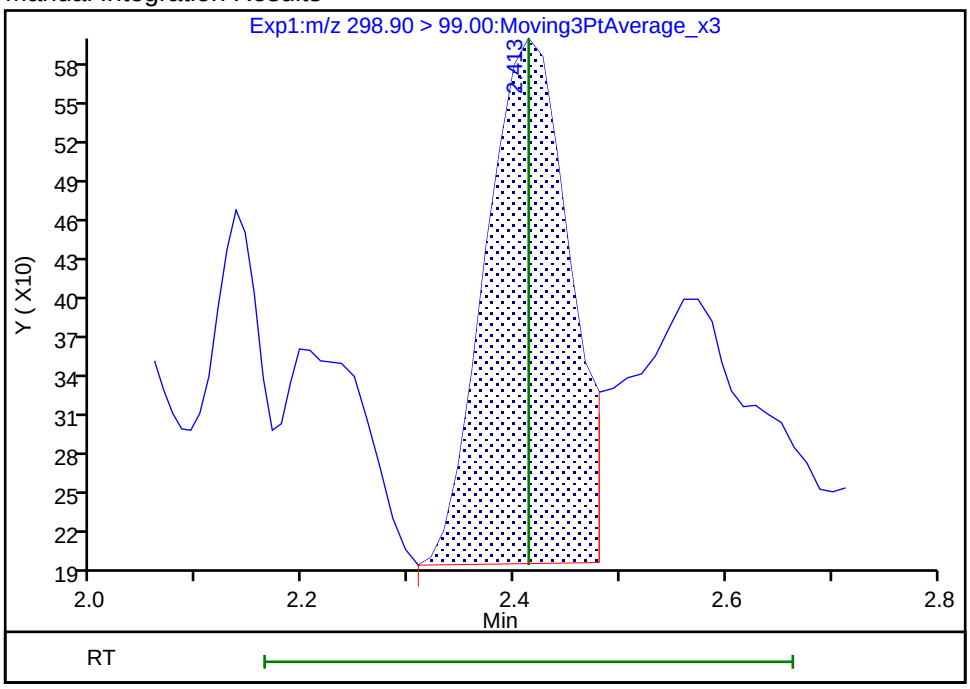
Not Detected
Expected RT: 2.41

Processing Integration Results



Manual Integration Results

RT: 2.41
Area: 2197
Amount: 0.002190
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:45:24
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

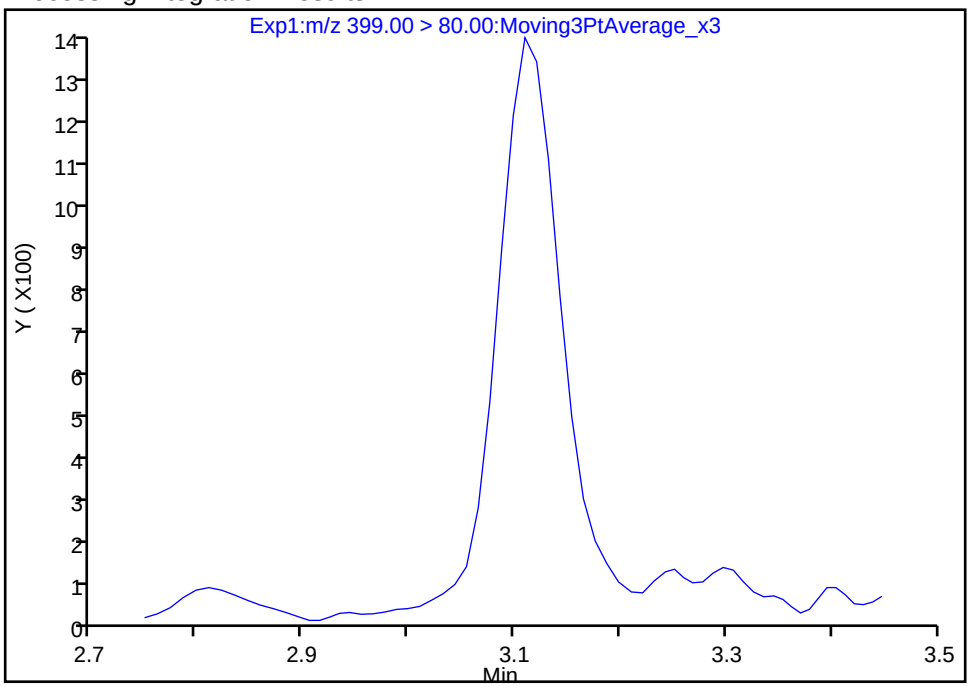
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A04.d
Injection Date: 04-Aug-2022 11:01:08 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

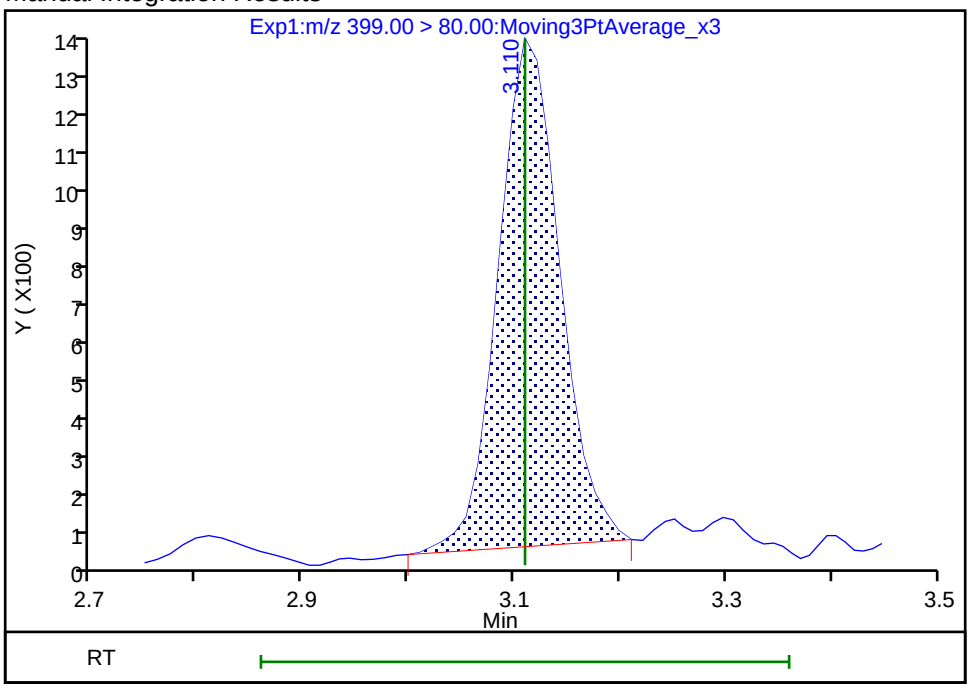
Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results

RT: 3.11
Area: 5200
Amount: 0.004656
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:45:43
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

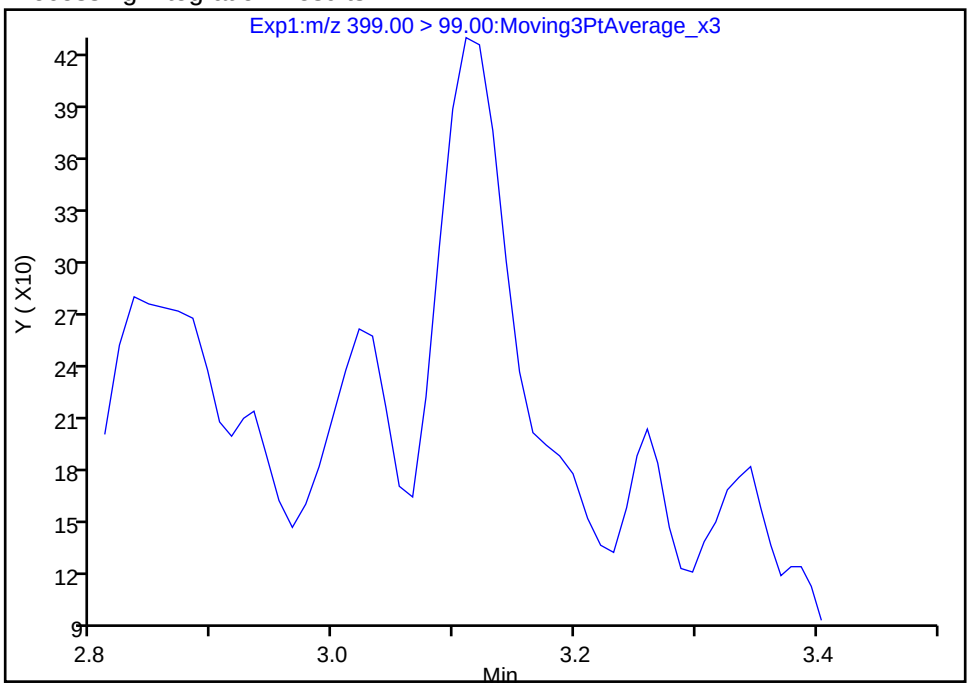
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A04.d
Injection Date: 04-Aug-2022 11:01:08 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

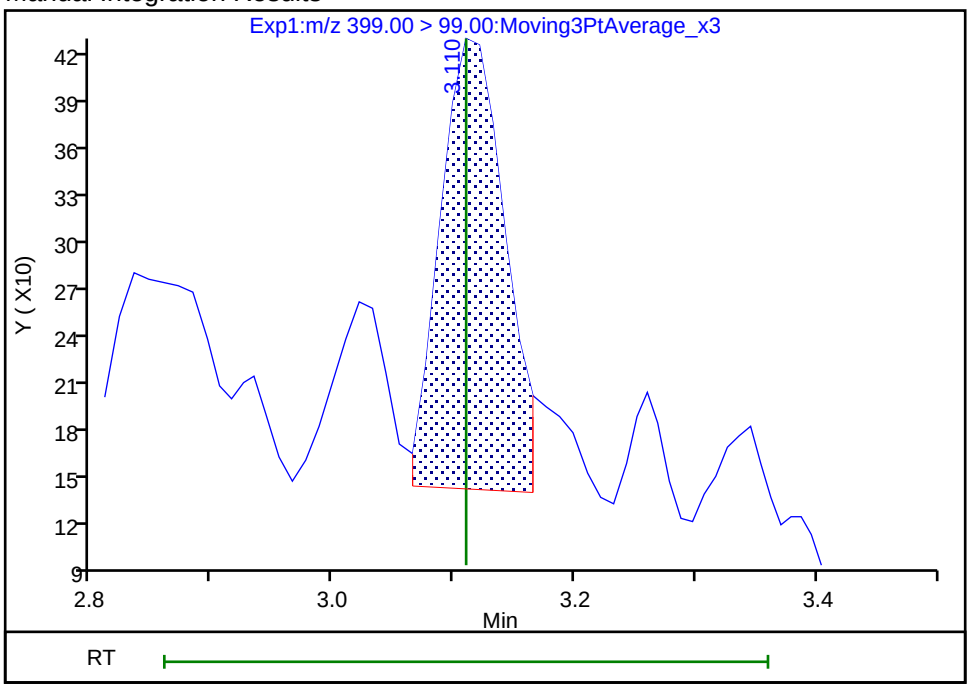
Not Detected
Expected RT: 3.11

Processing Integration Results



Manual Integration Results

RT: 3.11
Area: 1026
Amount: 0.004656
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:45:55
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

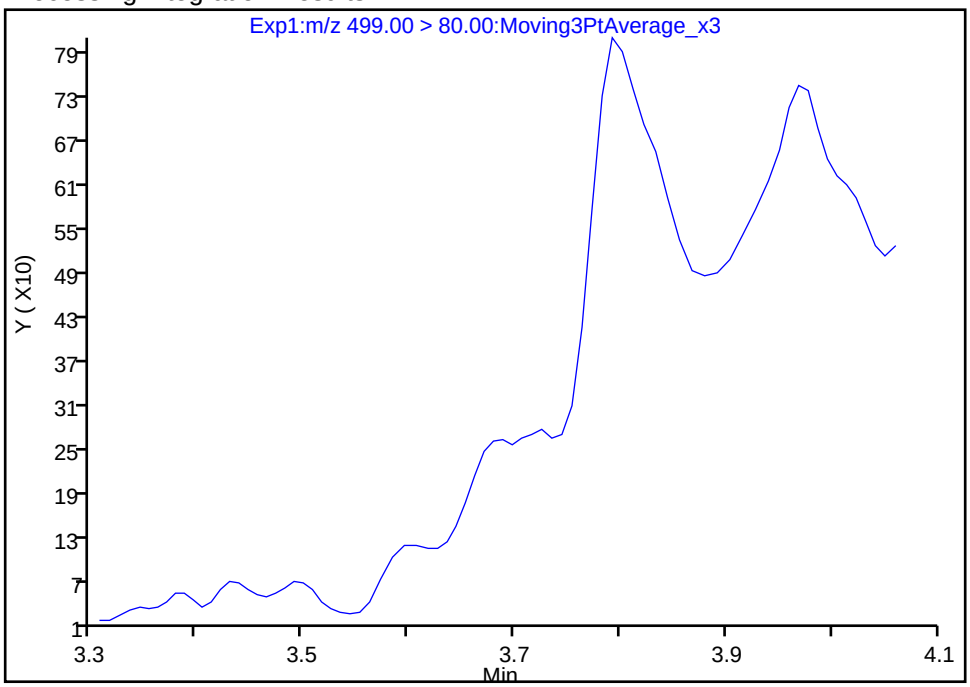
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A04.d				
Injection Date:	04-Aug-2022 11:01:08	Instrument ID:	LC812		
Lims ID:	CCB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	1	Worklist Smp#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

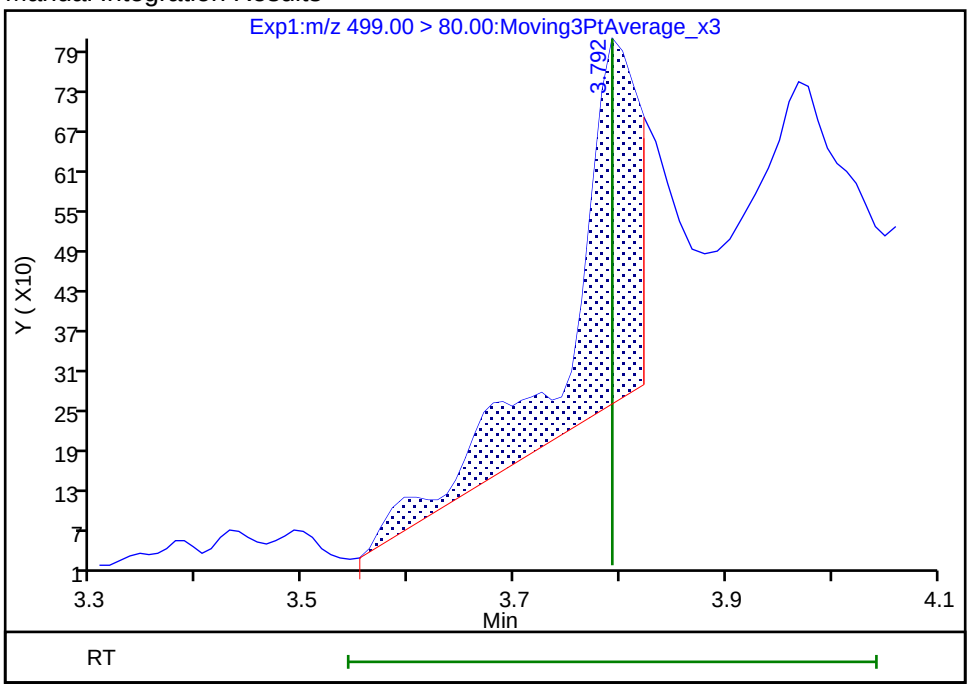
Not Detected
Expected RT: 3.79

Processing Integration Results



Manual Integration Results

RT: 3.79
Area: 2311
Amount: -0.015430
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:46:36
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

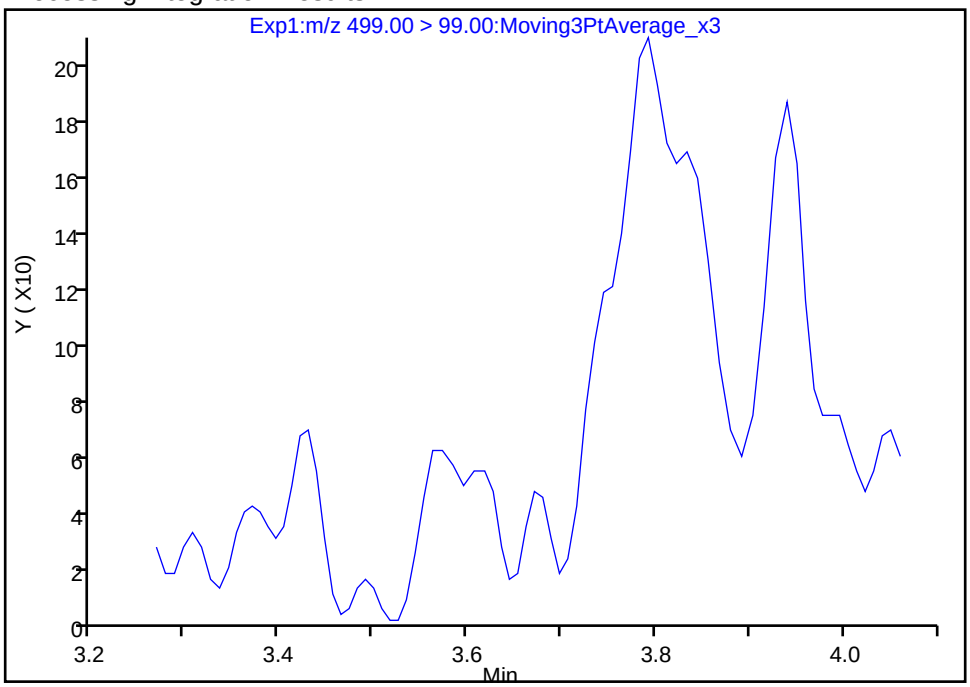
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A04.d
Injection Date: 04-Aug-2022 11:01:08 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

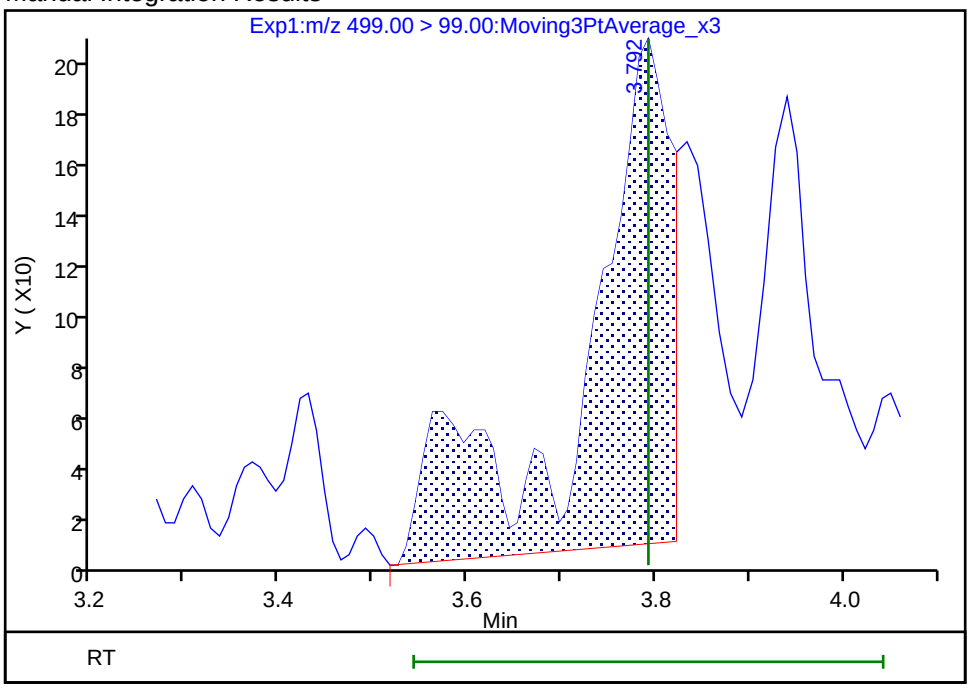
Not Detected
Expected RT: 3.79

Processing Integration Results



Manual Integration Results

RT: 3.79
Area: 1208
Amount: -0.015430
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:46:39
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

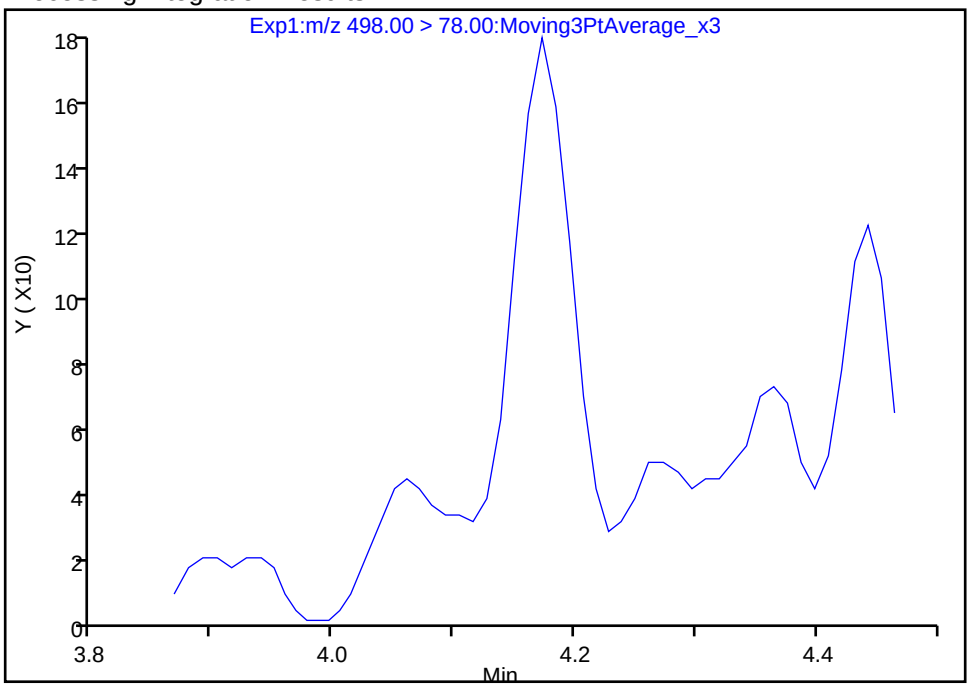
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A04.d
Injection Date: 04-Aug-2022 11:01:08 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

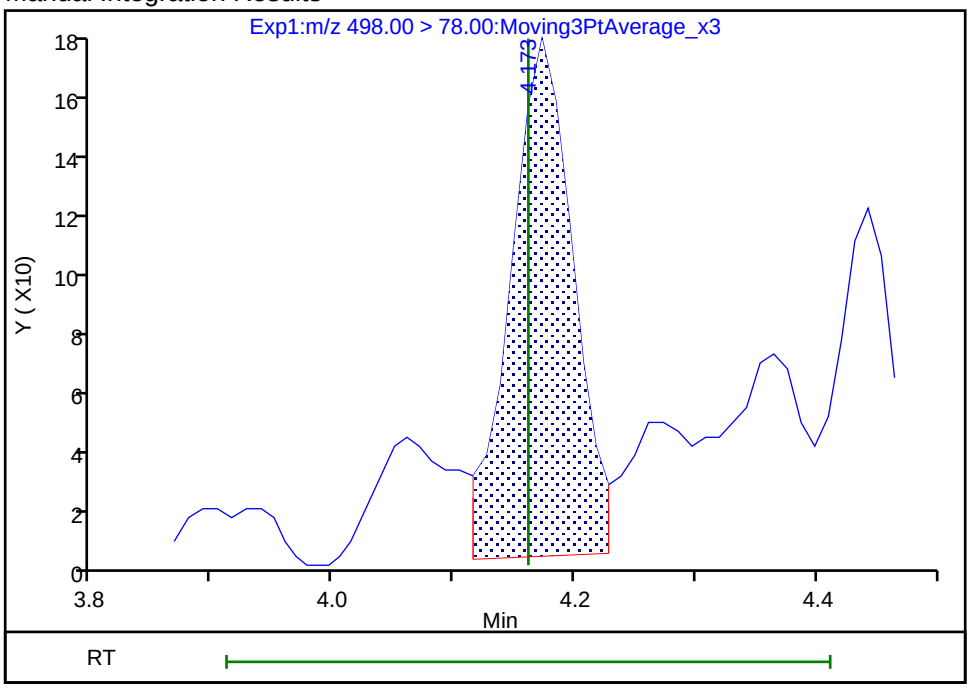
Not Detected
Expected RT: 4.16

Processing Integration Results



Manual Integration Results

RT: 4.17
Area: 623
Amount: 0.000515
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:47:15
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Burlington

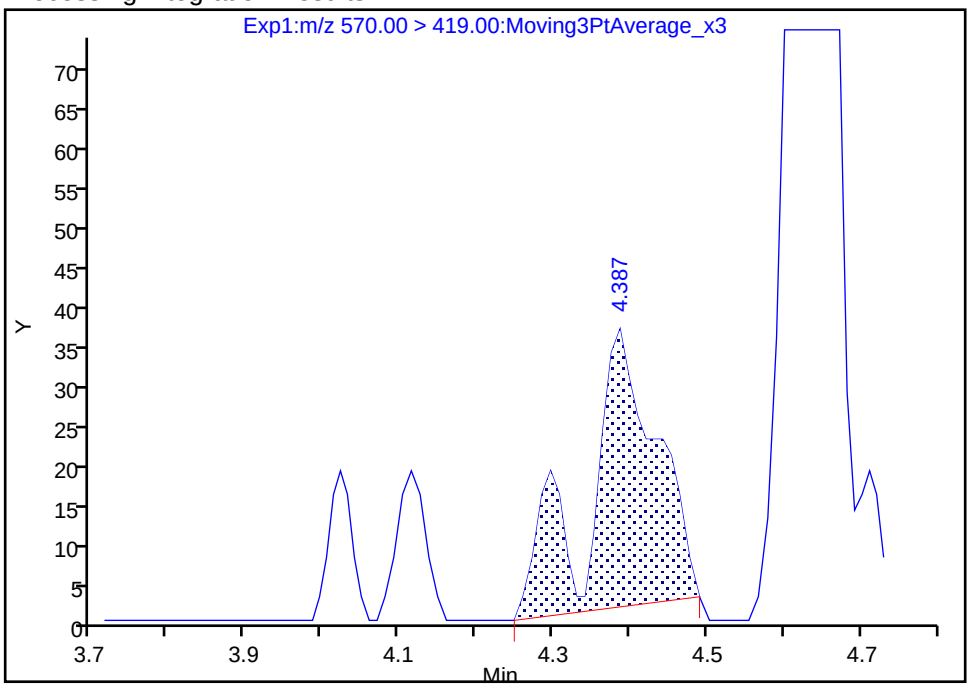
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A04.d
Injection Date: 04-Aug-2022 11:01:08 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

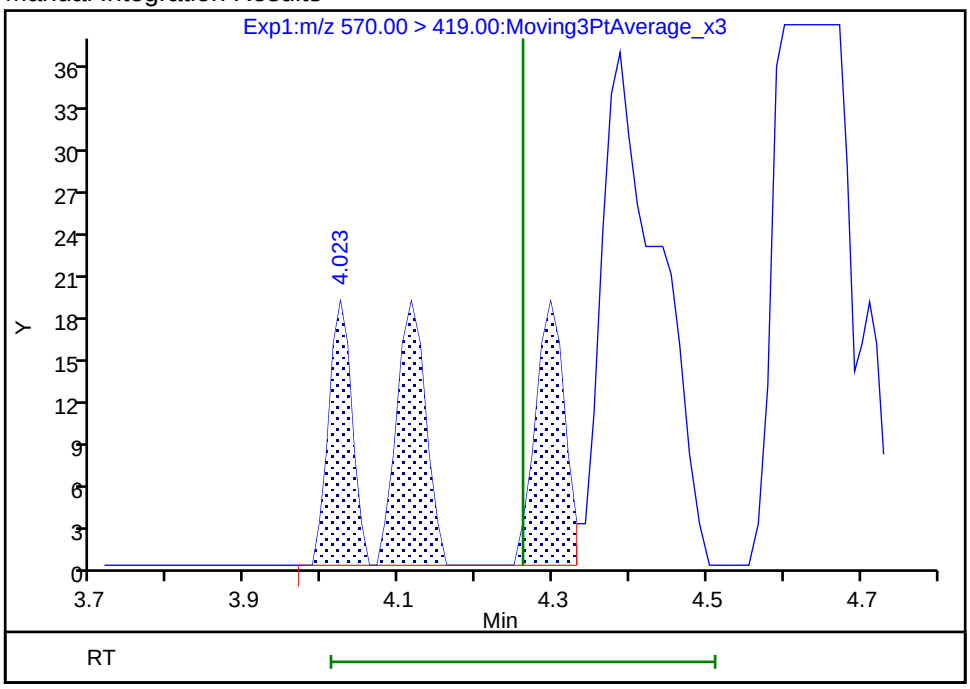
Processing Integration Results

RT: 4.39
Area: 219
Amount: 0.001593
Amount Units: ng/ml



Manual Integration Results

RT: 4.02
Area: 139
Amount: 0.001011
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:47:46
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

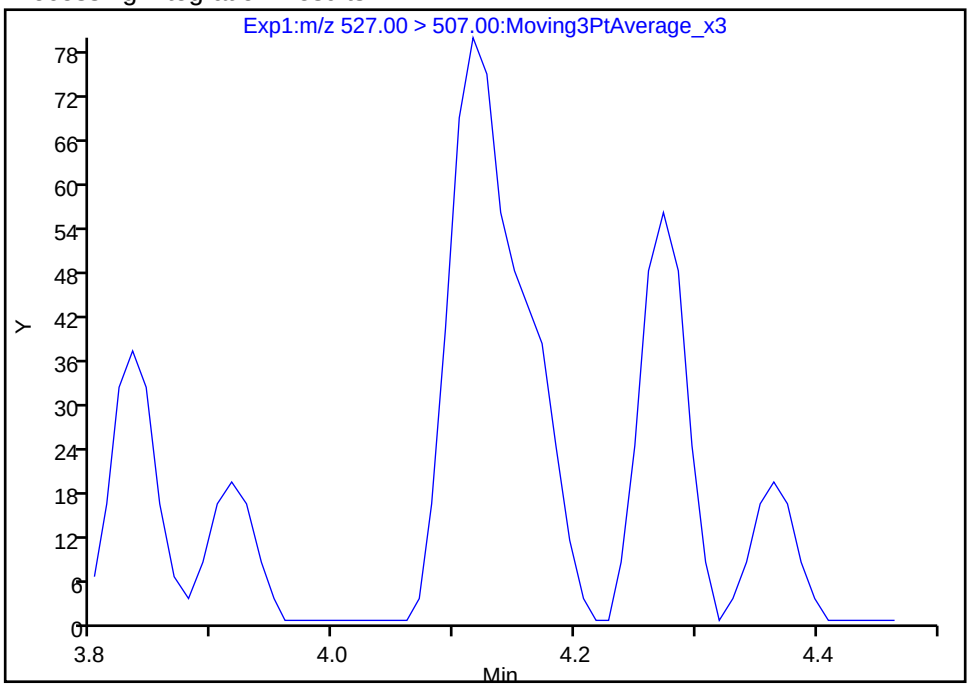
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51953.b\PA220804A04.d
Injection Date: 04-Aug-2022 11:01:08 Instrument ID: LC812
Lims ID: CCB
Client ID:
Operator ID: lc812tech ALS Bottle#: 1 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

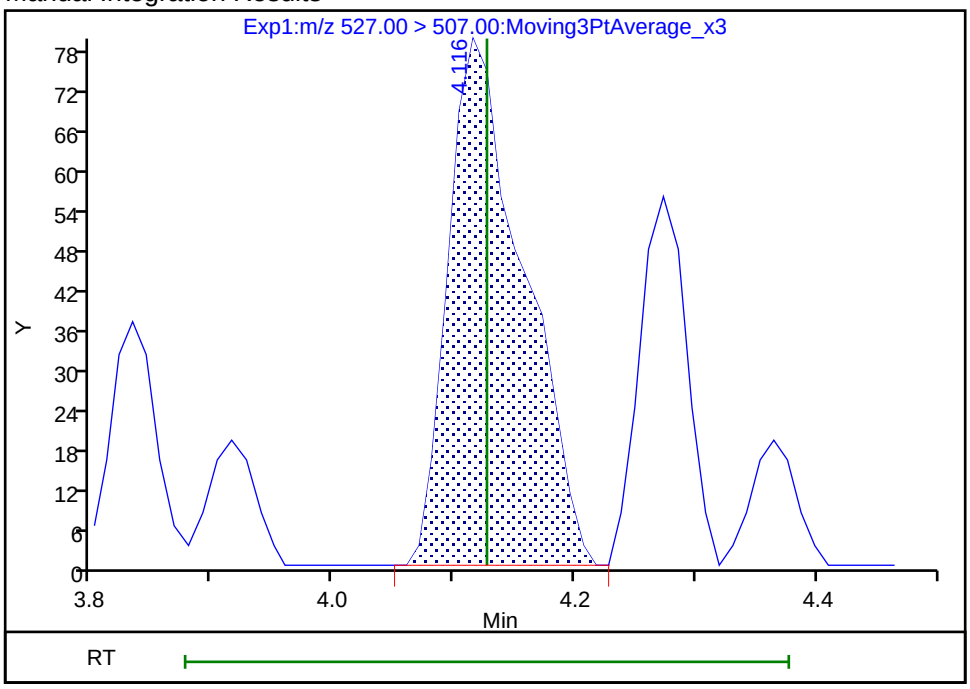
Not Detected
Expected RT: 4.13

Processing Integration Results



Manual Integration Results

RT: 4.12
Area: 346
Amount: 0.001710
Amount Units: ng/ml



Reviewer: SJ4N, 04-Aug-2022 16:46:59
Audit Action: Manually Integrated Audit Reason: Missed Peak

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Client Sample ID: Lab Sample ID: ICB 200-182319/11

Matrix: Water Lab File ID: PA220803ICAL11.d

Analysis Method: 537 (modified) Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 08/03/2022 13:49

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 182319 Units: ng/mL

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.13	U	0.13	0.030
2706-90-3	Perfluoropentanoic acid (PFPeA)	0.0213	J	0.050	0.017
307-24-4	Perfluorohexanoic acid (PFHxA)	0.0195	J	0.050	0.016
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.0178	J	0.050	0.014
335-67-1	Perfluorooctanoic acid (PFOA)	0.0190	J	0.050	0.019
375-95-1	Perfluorononanoic acid (PFNA)	0.0181	J	0.050	0.012
335-76-2	Perfluorodecanoic acid (PFDA)	0.0182	J	0.050	0.012
2058-94-8	Perfluoroundecanoic acid (PFUnA)	0.0176	J	0.050	0.014
307-55-1	Perfluorododecanoic acid (PFDoA)	0.0172	J	0.050	0.012
72629-94-8	Perfluorotridecanoic acid (PFTriA)	0.0169	J	0.050	0.012
376-06-7	Perfluorotetradecanoic acid (PFTeA)	0.050	U	0.050	0.016
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.0171	J	0.050	0.016
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.0182	J	0.050	0.014
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	0.0155	J	0.050	0.010
335-77-3	Perfluorodecanesulfonic acid (PFDS)	0.0146	J	0.050	0.010
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.050	U	0.050	0.021
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.: 460-262897-1

SDG No.:

Client Sample ID: Lab Sample ID: ICB 200-182319/11

Matrix: Water Lab File ID: PA220803ICAL11.d

Analysis Method: 537 (modified) Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 1(mL) Date Analyzed: 08/03/2022 13:49

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 20(uL) GC Column: C-18 ID: 4.6(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 182319 Units: ng/mL

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL01892	13C4 PFHpA	100		50-150
STL00990	13C4 PFOA	101		50-150
STL00995	13C5 PFNA	102		50-150
STL00992	13C4 PFBA	97		50-150
STL00993	13C2 PFHxA	101		50-150
STL00996	13C2 PFDA	98		50-150
STL00997	13C2 PFUnA	102		50-150
STL00994	18O2 PFHxS	103		50-150
STL00998	13C2 PFDoA	101		50-150
STL00991	13C4 PFOS	100		50-150
STL01056	13C8 FOSA	101		50-150
STL01893	13C5 PFPeA	100		50-150
STL02116	13C2 PFTeDA	102		50-150
STL02118	d3-NMeFOSAA	97		50-150
STL02117	d5-NEtFOSAA	95		50-150
STL02279	M2-6:2 FTS	98		50-150
STL02337	13C3 PFBS	98		50-150
STL02280	M2-8:2 FTS	102		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Lims ID: ICB
Client ID:
Sample Type: ICB
Inject. Date: 03-Aug-2022 13:49:21 ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: ICB
Misc. Info.: 200-0051940-011 Plate: 1 Rack: 1
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 03-Aug-2022 15:44:46 Calib Date: 03-Aug-2022 13:41:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1631

First Level Reviewer: Z1IP Date: 03-Aug-2022 15:20:41
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										M
217.00 > 172.00	2.076	2.085	-0.009	0.596	1960887	1.21		96.6	8553	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.085	2.085	0.0	1.004	37837	0.0249			5.3	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.400	2.400	0.0	0.689	1563848	1.25		100	3157	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.400	2.400	0.0	1.000	27445	0.0213			1.1	M
D 47 13C3 PFBS										
301.90 > 80.00	2.413	2.413	0.0	0.693	1639804	1.14		97.6	259327	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.413	2.413	0.0	1.000	26605	0.0171	Target=2.23		30.8	
298.90 > 99.00	2.413	2.413	0.0	1.000	12052		2.21(1.11-3.34)		12.1	
D 60 M2-4:2 FTS										
329.00 > 81.00	2.713	2.713	0.0	0.779	141715	1.14		97.6	151	
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.713	2.713	0.0	1.000	6501	0.0225			94.9	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.750	2.750	0.0	1.000	25612	0.0195	Target=12.24		6.3	
313.00 > 119.00	2.737	2.750	-0.013	0.996	2831		9.05(6.12-18.36)		5.7	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.750	2.750	0.0	0.790	1571063	1.26		101	2511	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.750	2.762	-0.012	0.881	21886	0.0161	Target=2.95		42.2	M
349.00 > 99.00	2.750	2.762	-0.012	0.881	6559		3.34(1.48-4.43)		15.9	
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.859	2.859	0.0	1.000	4624	0.0189			101	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.859	2.859	0.0	0.821	283933	1.21		96.8	1991	
D 9 13C4 PFHpA										
367.00 > 322.00	3.121	3.121	0.0	0.896	1622206	1.25		100	2544	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.121	3.121	0.0	1.000	23834	0.0178	Target=3.73		8.3	M
363.00 > 169.00	3.121	3.121	0.0	1.000	7057		3.38(1.86-5.59)		14.1	M
D 11 18O2 PFHxS										M
403.00 > 84.00	3.121	3.121	0.0	0.896	1243333	1.22		103	2264	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.121	3.121	0.0	1.000	21122	0.0182	Target=3.43		55.7	M
399.00 > 99.00	3.121	3.121	0.0	1.000	7292		2.90(1.72-5.15)		11.4	M
77 DONA										M
377.00 > 251.00	3.165	3.165	0.0	0.835	57704	0.0185	Target=2.84		108	M
377.00 > 85.00	3.154	3.165	-0.011	0.832	21390		2.70(1.42-4.26)		40.2	M
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.465	3.474	-0.009	0.995	197884	1.16		98.0	383	M
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.474	3.474	0.0	1.003	4816	0.003025			25.3	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.465	3.474	-0.009	0.914	14529	0.0155	Target=4.89		58.3	M
449.00 > 99.00	3.465	3.474	-0.009	0.914	3074		4.73(2.44-7.33)		21.8	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.482	3.482	0.0	1.003	28487	0.0190	Target=2.67		3.6	M
413.00 > 169.00	3.474	3.482	-0.008	1.000	10359		2.75(1.34-4.01)		26.5	M
D 14 13C4 PFOA										M
417.00 > 372.00	3.474	3.482	-0.008	0.998	1670098	1.26		101	1612	M
* 62 13C2 PFOA										
415.00 > 370.00	3.482	3.482	0.0		1738669	1.25			3372	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.802	3.802	0.0	1.003	15622	0.002237	Target=4.88		9.2	M
499.00 > 99.00	3.792	3.802	-0.010	1.000	4033		3.87(2.44-7.32)		18.4	M
D 18 13C4 PFOS										
503.00 > 80.00	3.792	3.802	-0.010	1.089	905982	1.19		99.9	2598	
D 19 13C5 PFNA										M
468.00 > 423.00	3.812	3.822	-0.010	1.095	1749304	1.27		102	2502	M
20 Perfluorononanoic acid										
463.00 > 419.00	3.812	3.822	-0.010	1.000	25725	0.0181	Target=8.23		9.1	
463.00 > 169.00	3.822	3.822	0.0	1.003	3194		8.05(4.11-12.34)		35.8	
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.960	3.969	-0.009	1.044	19538	0.0146			95.0	M
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.093	4.093	0.0	1.079	9075	0.0153	Target=2.53		100	M
549.00 > 99.00	4.093	4.093	0.0	1.079	3725		2.44(1.26-3.79)		23.9	M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.127	4.127	0.0	1.000	3981	0.0198			56.5	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
24 Perfluorodecanoic acid										
513.00 > 469.00	4.127	4.127	0.0	1.003	25196	0.0182	Target=9.67		19.2	
513.00 > 169.00	4.127	4.127	0.0	1.003	2606		9.67(4.83-14.50)		14.3	
D 23 13C2 PFDA										M
515.00 > 470.00	4.115	4.127	-0.012	1.182	1648156	1.23		98.5	1543	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.127	4.138	-0.011	1.185	248840	1.22		102	1063	
D 21 13C8 FOSA										M
506.00 > 78.00	4.173	4.173	0.0	1.198	1474899	1.26		101	1473	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.173	4.173	0.0	1.000	21149	0.0176			47.9	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.273	4.273	0.0	1.003	4635	0.0298			16.2	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.261	4.273	-0.012	1.224	218608	1.22		97.5	1389	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.365	4.365	0.0	1.151	6455	0.0146	Target=2.80		58.1	
599.00 > 99.00	4.365	4.365	0.0	1.151	3067		2.10(1.40-4.20)		42.0	M
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.387	4.399	-0.012	1.000	19329	0.0176	Target=9.07		16.7	
563.00 > 169.00	4.387	4.399	-0.012	1.000	1970		9.81(4.54-13.61)		23.6	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.387	4.399	-0.012	1.260	1296470	1.28		102	1304	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.410	4.410	0.0	1.003	4914	0.0337			35.7	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.398	4.410	-0.012	1.263	200949	1.18		94.7	895	
66 11-Chloroeicosafluoro-3-oxaundec										
631.00 > 451.00	4.491	4.491	0.0	1.184	27547	0.0158			176	
D 36 13C2 PFDoA										M
615.00 > 570.00	4.633	4.633	0.0	1.330	1325182	1.26		101	1245	M
37 Perfluorododecanoic acid										
613.00 > 569.00	4.633	4.633	0.0	1.000	18488	0.0172	Target=6.97		3.3	
613.00 > 169.00	4.633	4.633	0.0	1.000	2997		6.17(3.48-10.45)		35.3	
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.663	4.654	0.009	1.130	1467	0.0156			35.2	M
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.813	4.813	0.0	1.269	3055	0.0156	Target=0.52		47.6	
699.00 > 99.00	4.813	4.813	0.0	1.269	4706		0.65(0.26-0.79)		112	
41 Perfluorotridecanoic acid										
663.00 > 619.00	4.848	4.859	-0.011	1.046	15748	0.0169	Target=4.56		2.9	
663.00 > 169.00	4.859	4.859	0.0	1.049	3187		4.94(2.28-6.84)		19.5	
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.052	5.052	0.0	1.451	1093349	1.27		102	1776	M
42 Perfluorotetradecanoic acid										
713.00 > 169.00	5.052	5.052	0.0	1.000	2190	0.0156	Target=0.94		34.4	
713.00 > 219.00	5.052	5.052	0.0	1.000	2548		0.86(0.47-1.41)		27.0	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 44 13C2 PFHxDA										M
815.00 > 770.00	5.422	5.422	0.0	1.557	1220279	1.25		99.7	1821	M
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.422	5.422	0.0	1.000	24760	0.007597	Target=4.38		5.7	
813.00 > 169.00	5.422	5.422	0.0	1.000	5063		4.89(2.19-6.57)		47.7	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.777	5.786	-0.009	1.065	12414	0.0191	Target=4.31		3.7	
913.00 > 169.00	5.777	5.786	-0.009	1.065	2904		4.27(2.16-6.47)		25.0	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

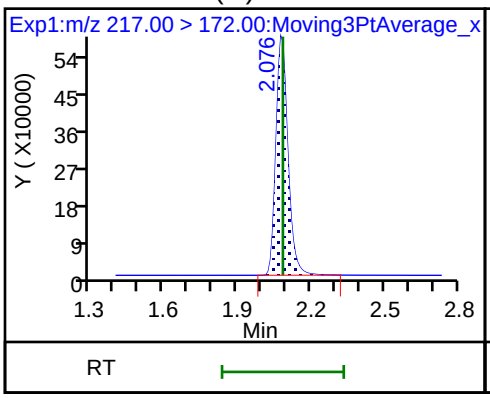
PFAS32NCBLK20_00021 Amount Added: 100.00 Units: uL

Report Date: 04-Aug-2022 08:27:08 Chrom Revision: 2.3 29-Jul-2022 15:21:48

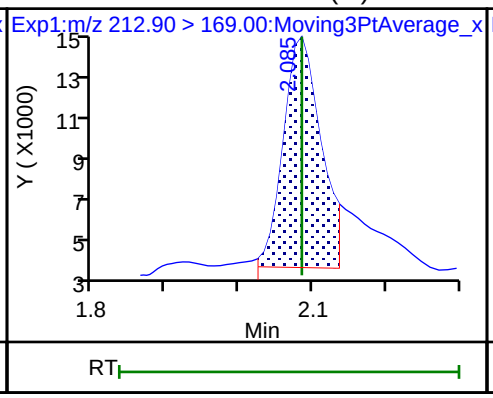
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL

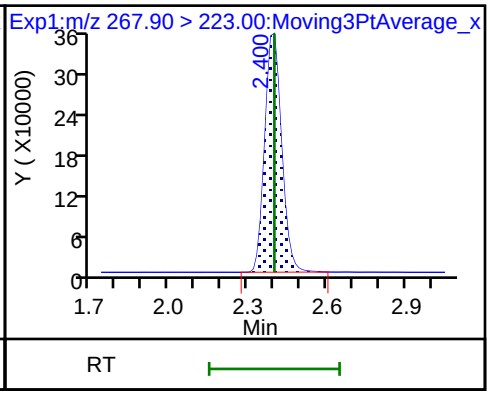
D 1 13C4 PFBA (M)



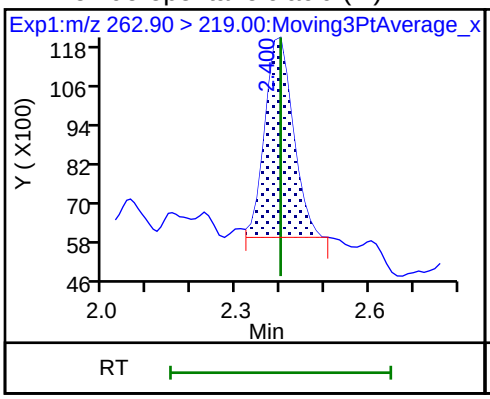
2 Perfluorobutanoic acid (M)



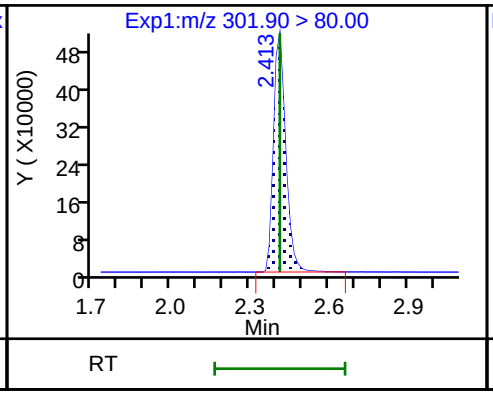
D 3 13C5 PFPeA



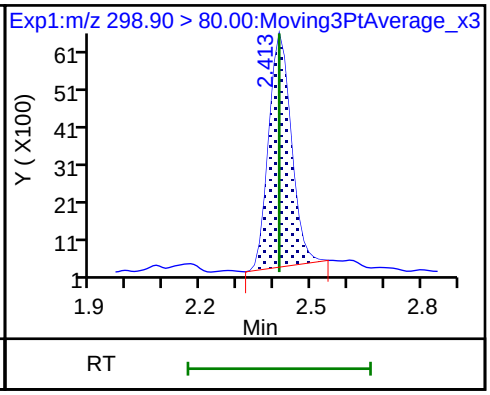
4 Perfluoropentanoic acid (M)



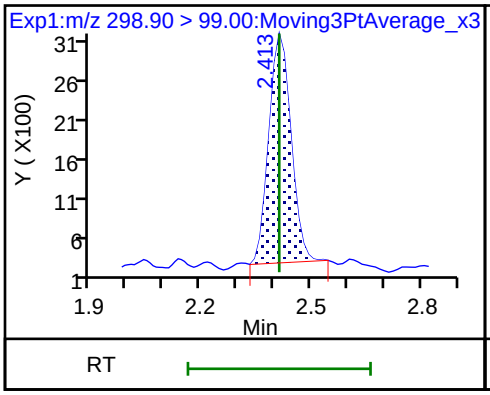
D 47 13C3 PFBS



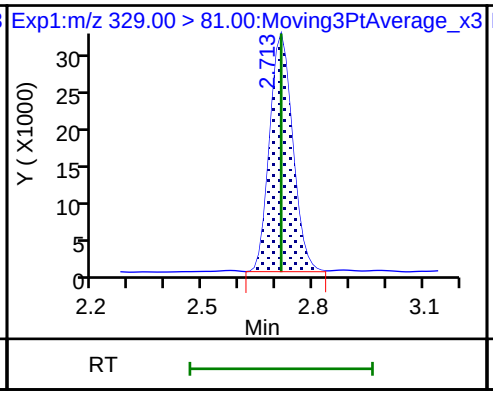
5 Perfluorobutanesulfonic acid



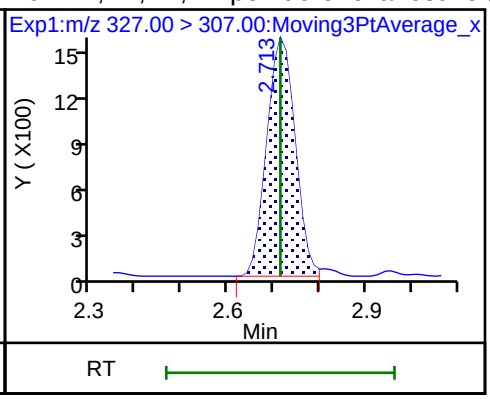
5 Perfluorobutanesulfonic acid



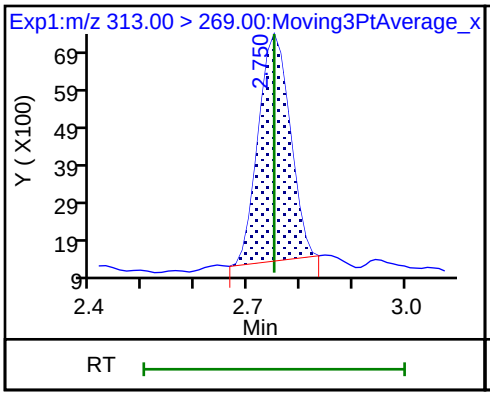
D 60 M2-4:2 FTS



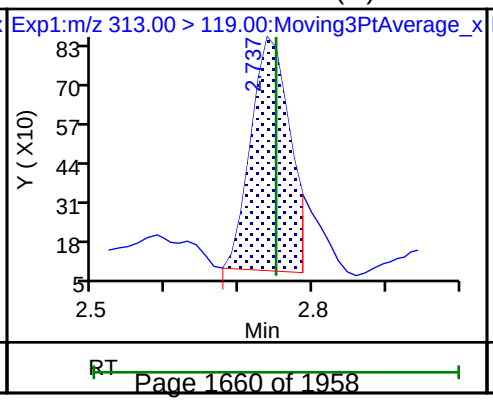
61 1H,1H,2H,2H-perfluorohexanesulfo (M)



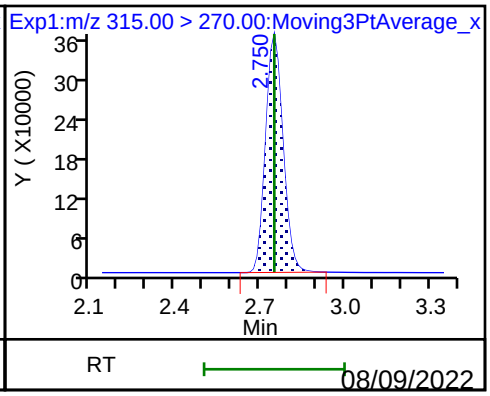
6 Perfluorohexanoic acid



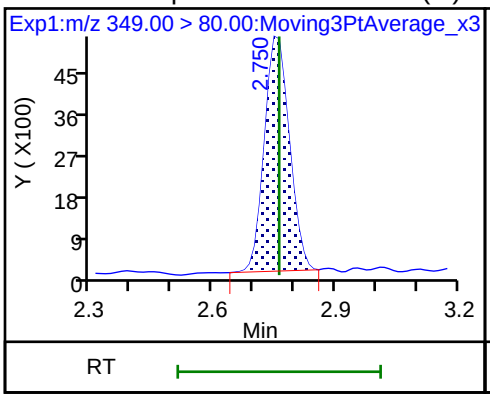
6 Perfluorohexanoic acid (M)



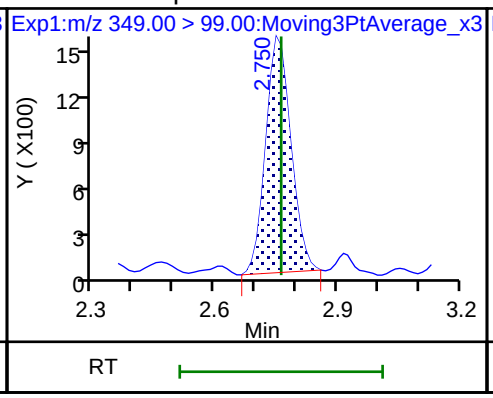
D 7 13C2 PFHxA



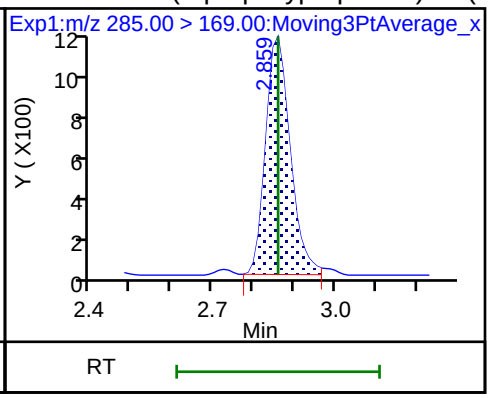
70 Perfluoropentanesulfonic acid (M)



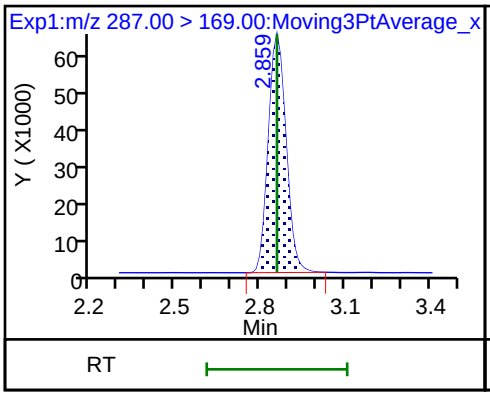
70 Perfluoropentanesulfonic acid



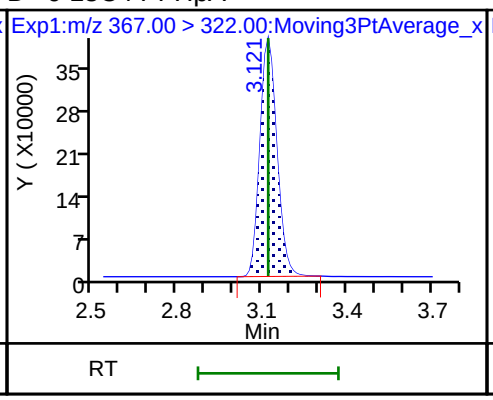
67 Perfluoro(2-propoxypropanoic) ac (M)



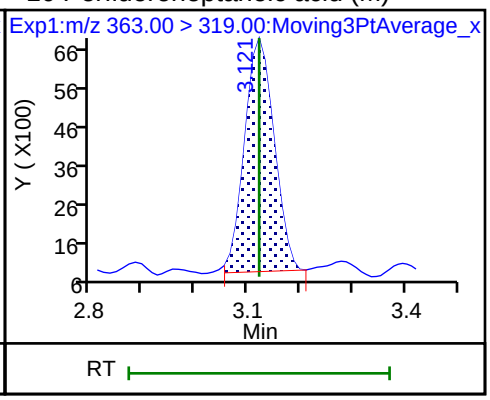
D 64 13C3 HFPO-DA



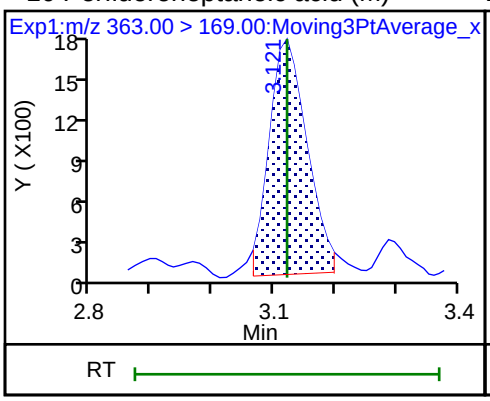
D 9 13C4 PFHpA



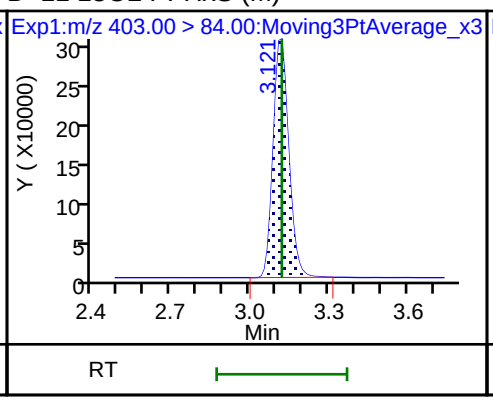
10 Perfluoroheptanoic acid (M)



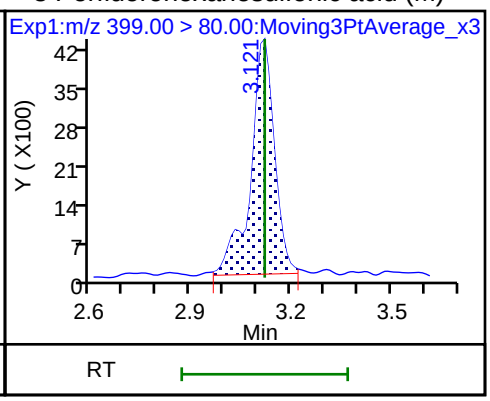
10 Perfluoroheptanoic acid (M)



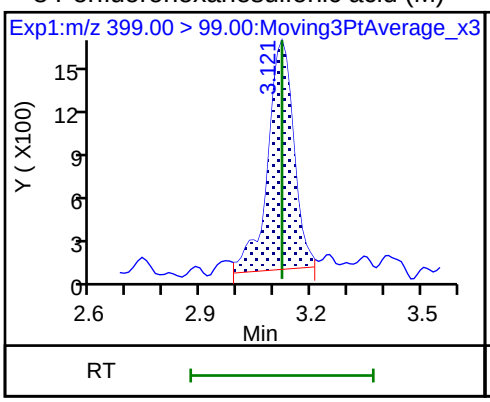
D 11 18O2 PFHxS (M)



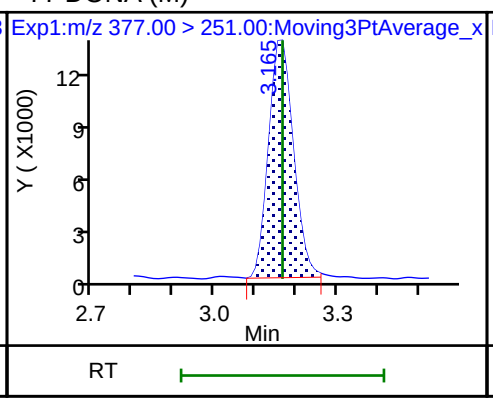
8 Perfluorohexanesulfonic acid (M)



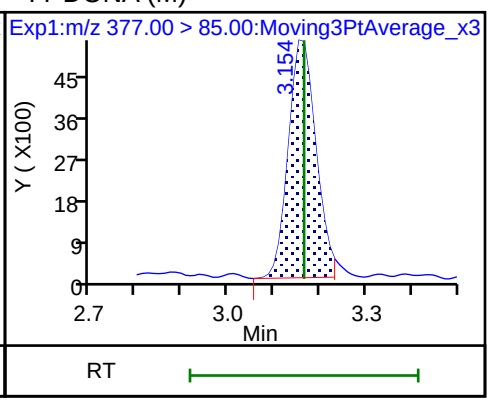
8 Perfluorohexanesulfonic acid (M)



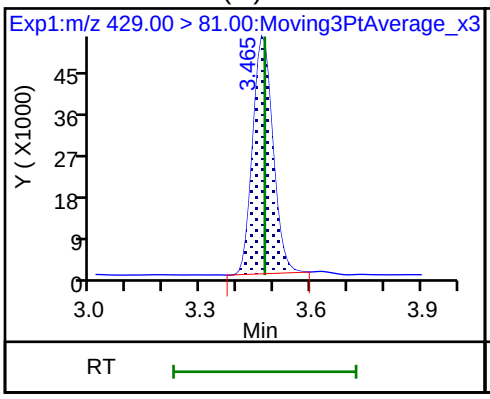
77 DONA (M)



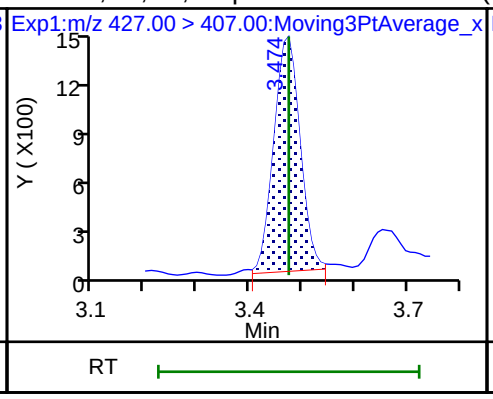
77 DONA (M)



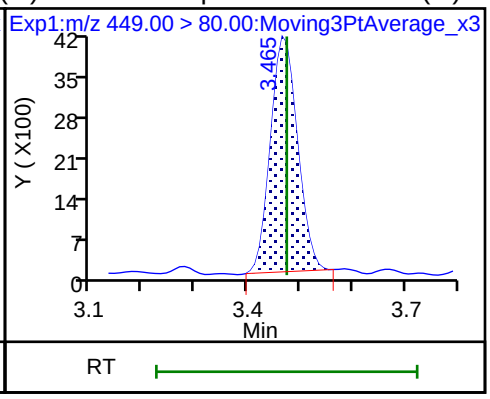
D 12 M2-6:2 FTS (M)



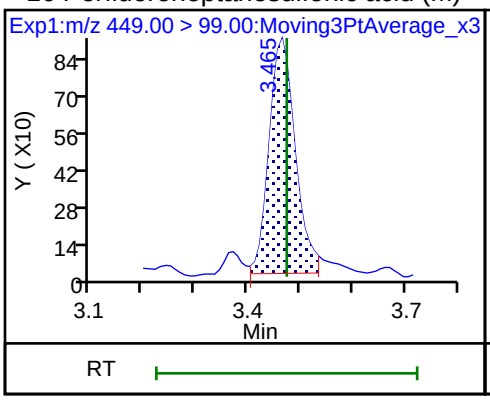
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



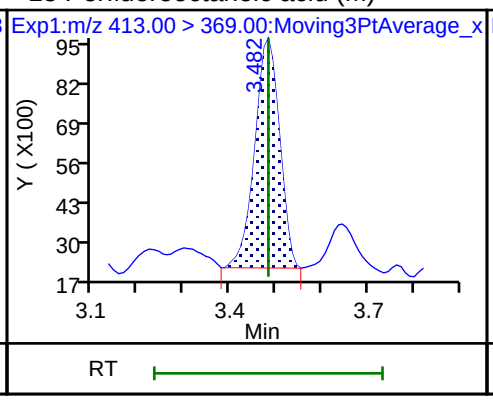
16 Perfluoroheptanesulfonic acid (M)



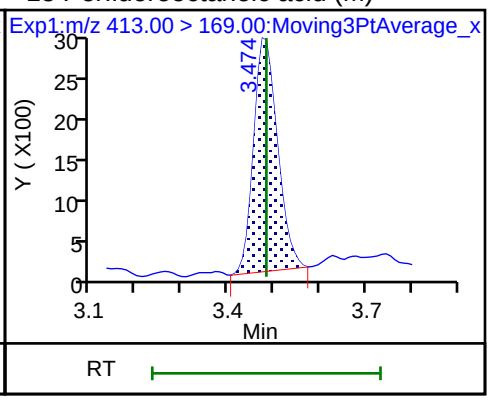
16 Perfluoroheptanesulfonic acid (M)



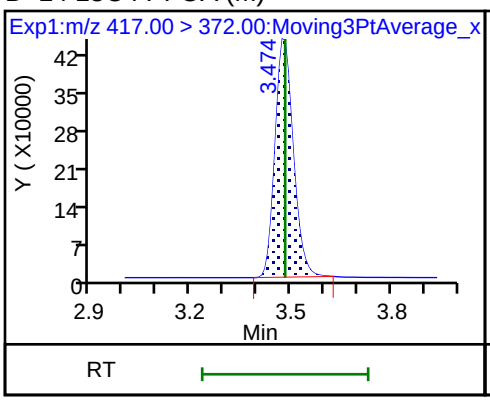
15 Perfluorooctanoic acid (M)



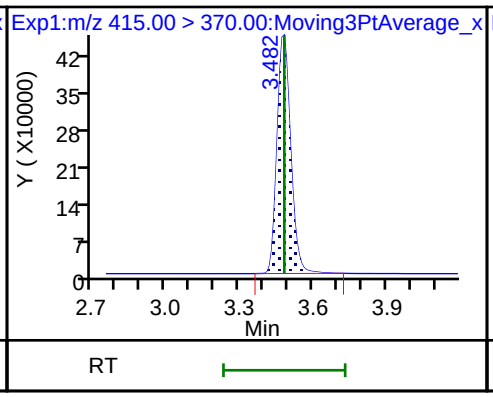
15 Perfluorooctanoic acid (M)



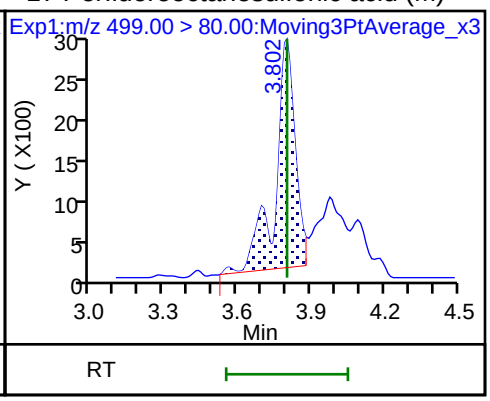
D 14 13C4 PFOA (M)



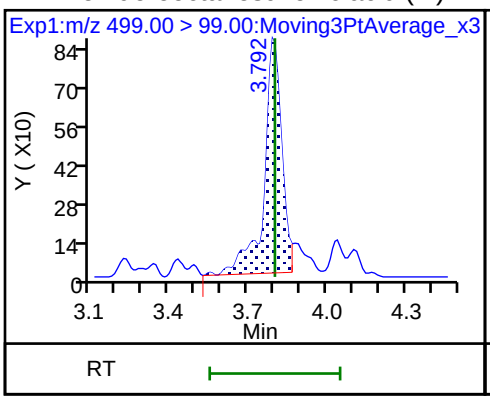
* 62 13C2 PFOA



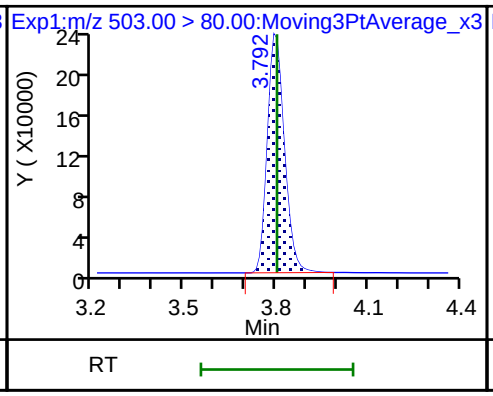
17 Perfluorooctanesulfonic acid (M)



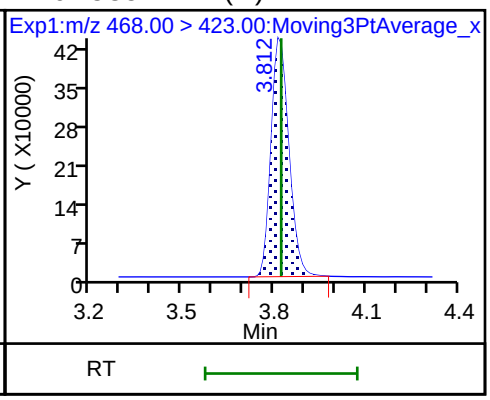
17 Perfluorooctanesulfonic acid (M)



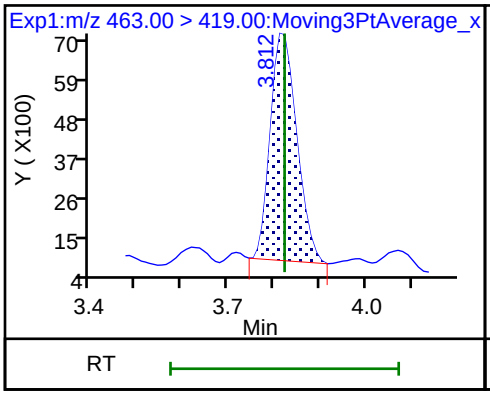
D 18 13C4 PFOS



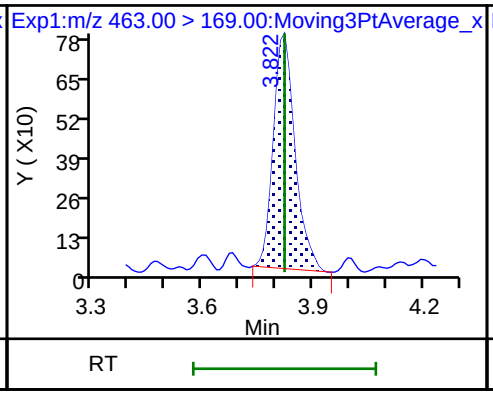
D 19 13C5 PFNA (M)



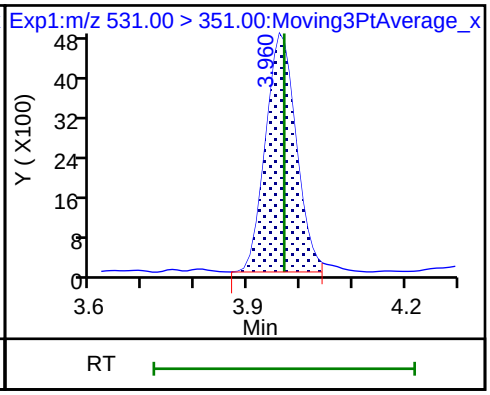
20 Perfluorononanoic acid



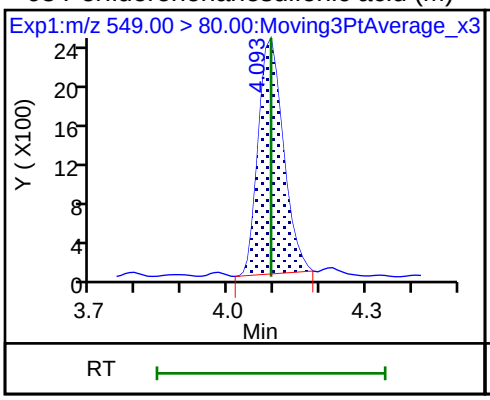
20 Perfluorononanoic acid



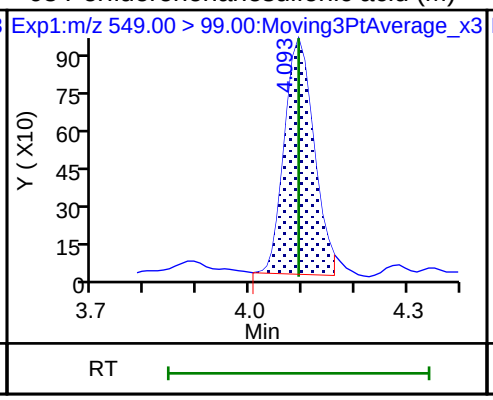
69 9-Chlorohexadecafluoro-3-oxanona (M)



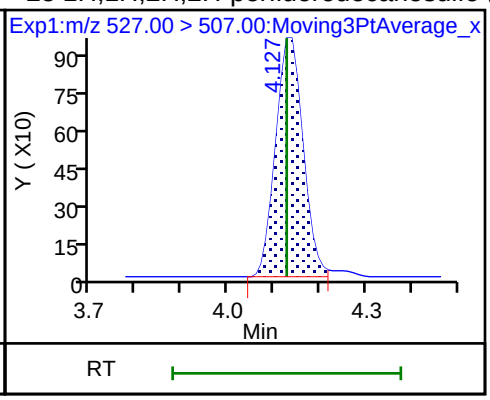
68 Perfluorononanesulfonic acid (M)



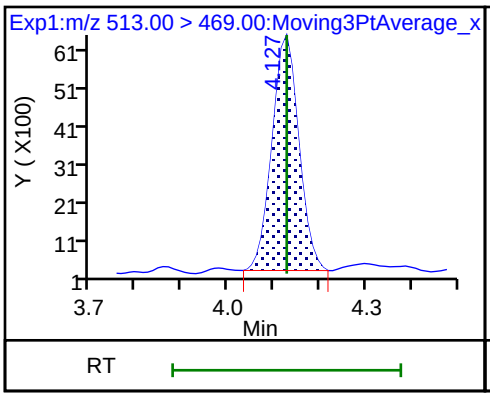
68 Perfluorononanesulfonic acid (M)



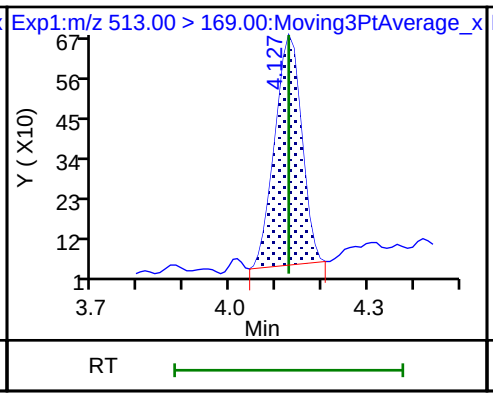
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



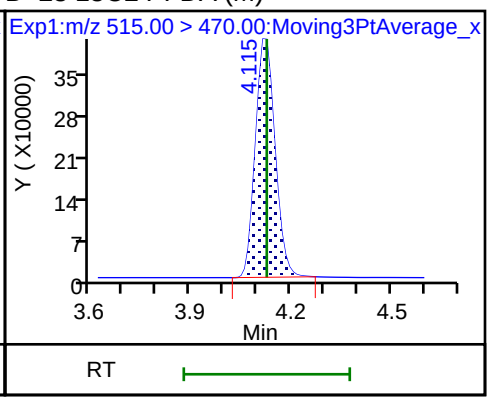
24 Perfluorodecanoic acid



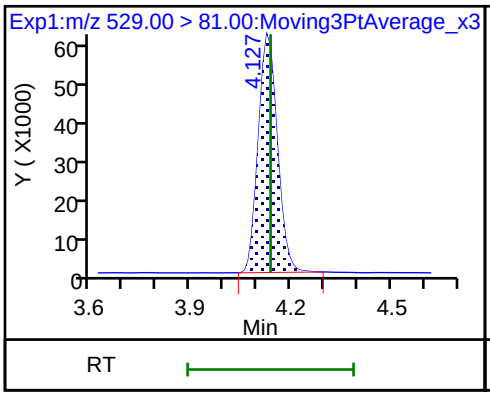
24 Perfluorodecanoic acid



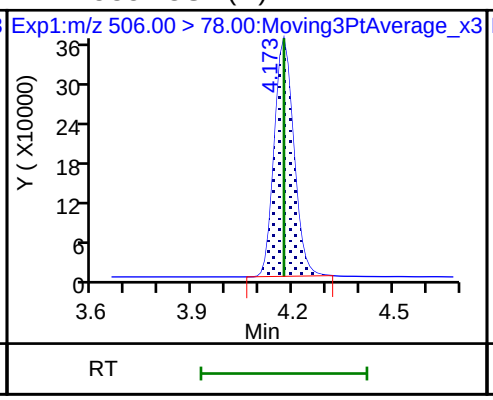
D 23 13C2 PFDA (M)



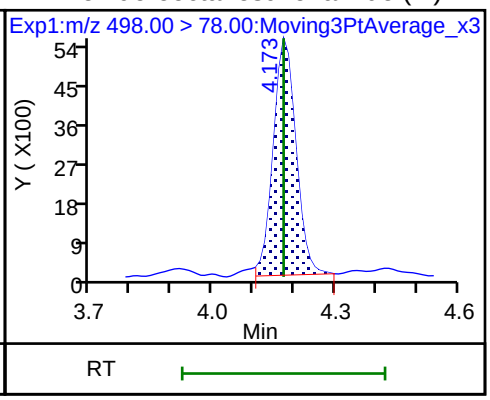
D 26 M2-8:2 FTS



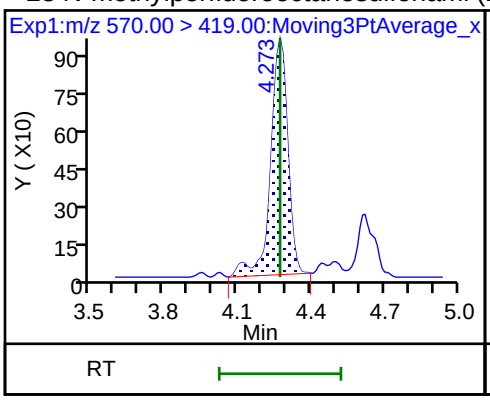
D 21 13C8 FOSA (M)



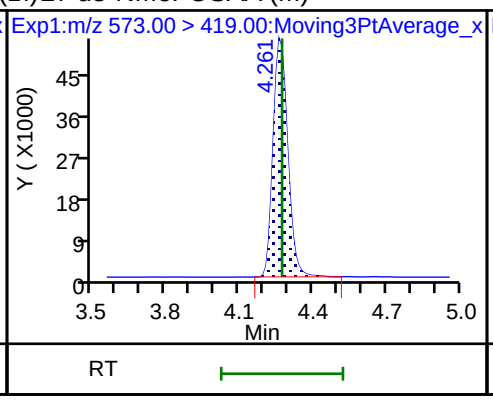
22 Perfluorooctanesulfonamide (M)



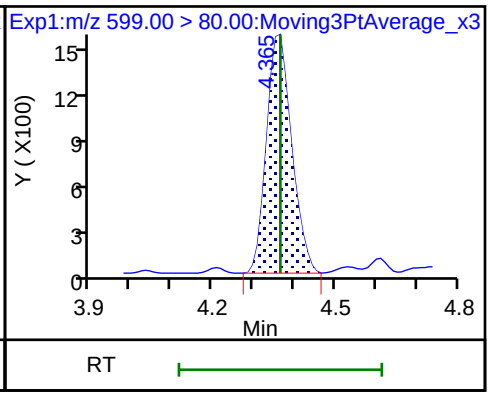
28 N-methylperfluorooctanesulfonami (M)



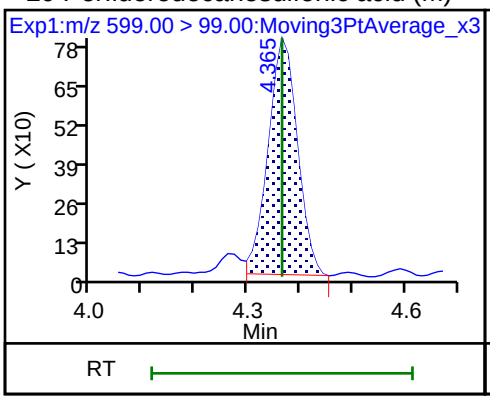
D 27 d3-NMeFOSAA (M)



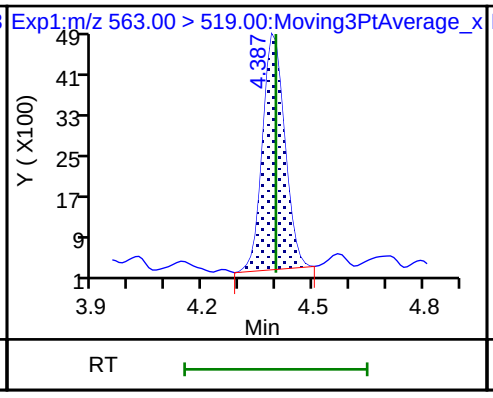
29 Perfluorodecanesulfonic acid



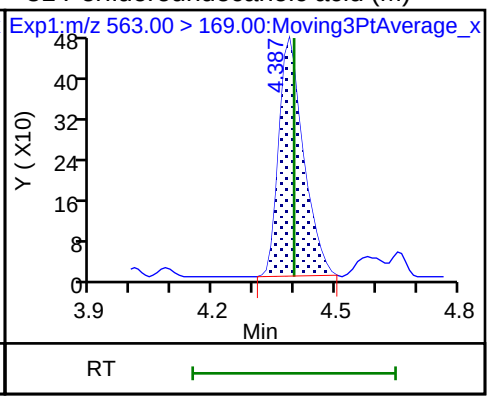
29 Perfluorodecanesulfonic acid (M)



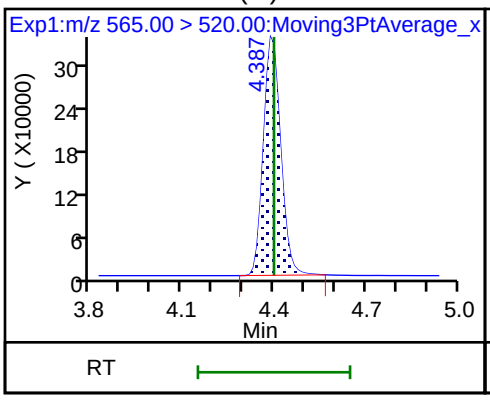
31 Perfluoroundecanoic acid



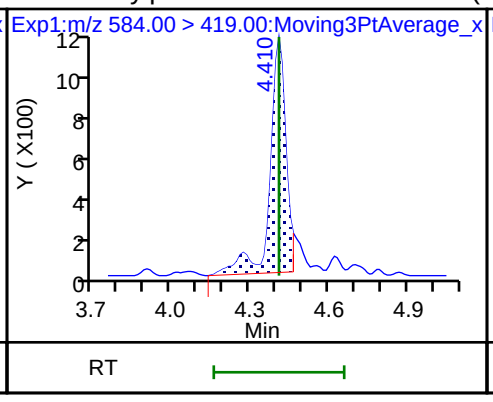
31 Perfluoroundecanoic acid (M)



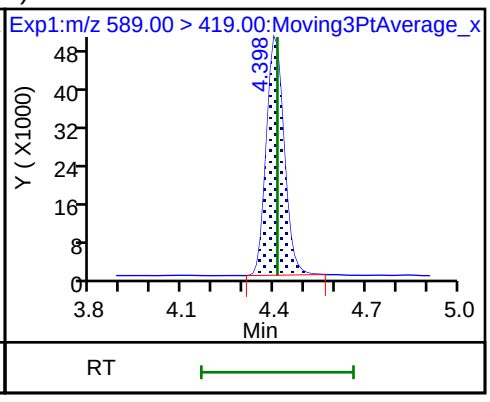
D 30 13C2 PFUnA (M)



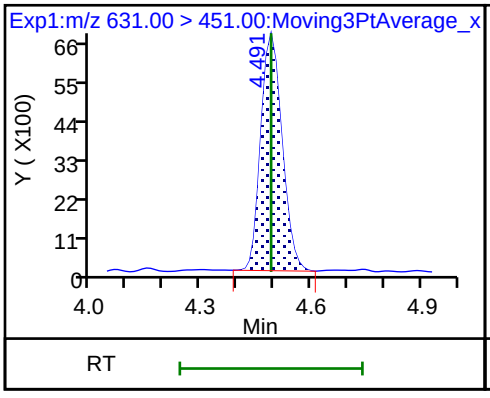
33 N-ethylperfluorooctanesulfonamid (M)



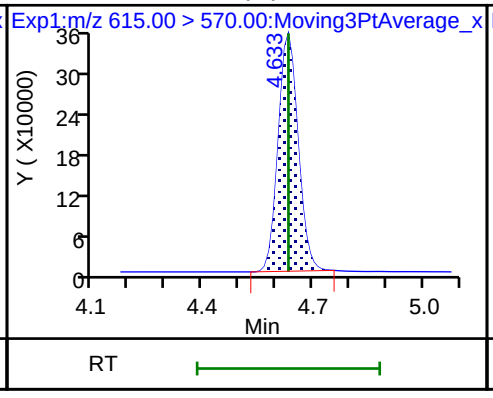
D 32 d5-NEtFOSAA



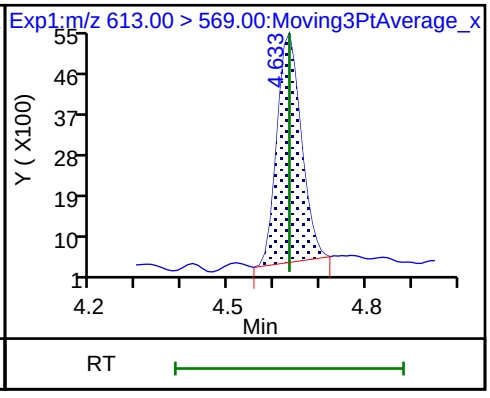
66 11-Chloroeicosafluoro-3-oxaundec



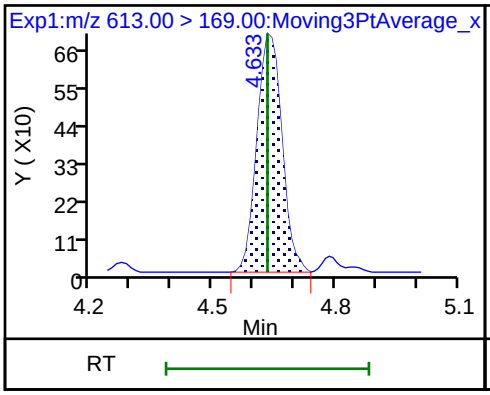
D 36 13C2 PFDoA (M)



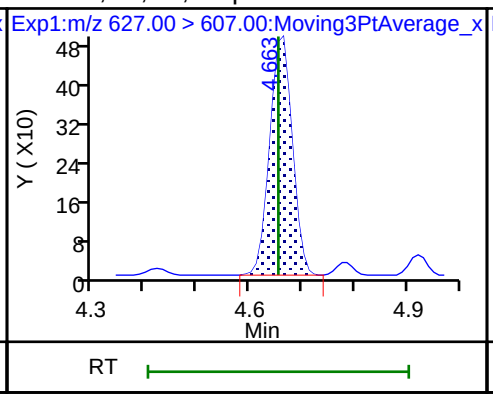
37 Perfluorododecanoic acid



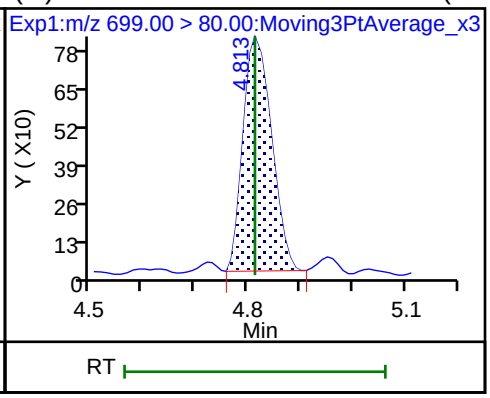
37 Perfluorododecanoic acid



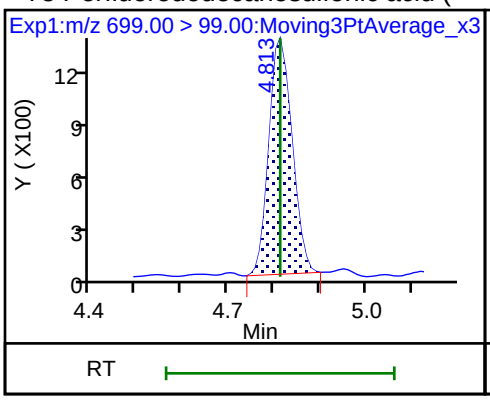
74 1H,1H,2H,2H-perfluorododecanesul (M)



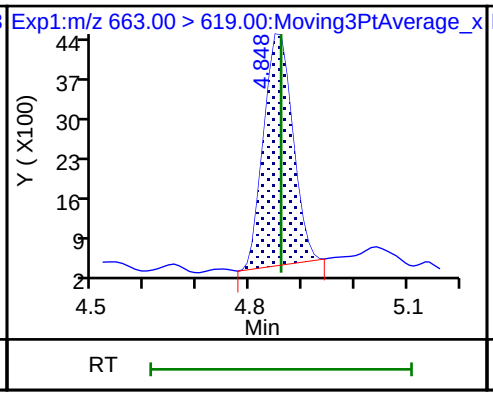
75 Perfluorododecanesulfonic acid (



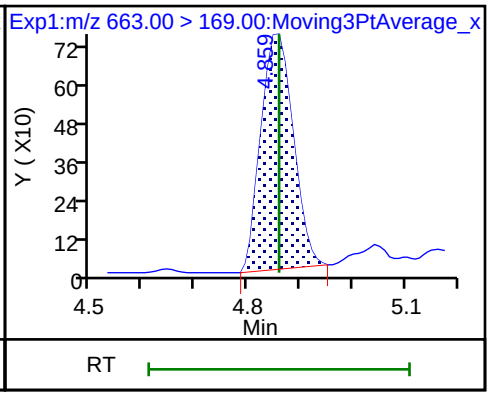
75 Perfluorododecanesulfonic acid (



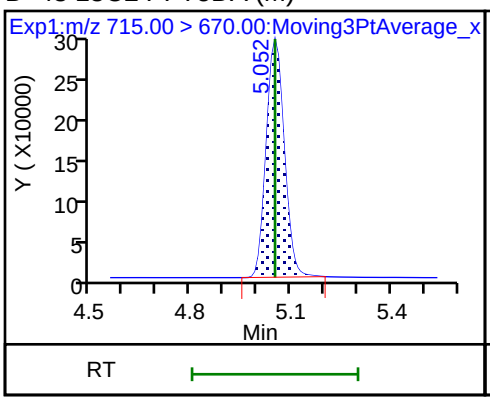
41 Perfluorotridecanoic acid



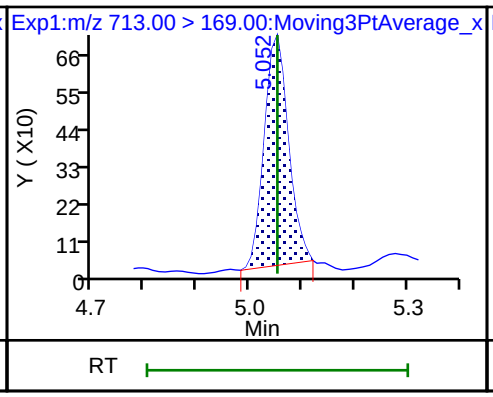
41 Perfluorotridecanoic acid



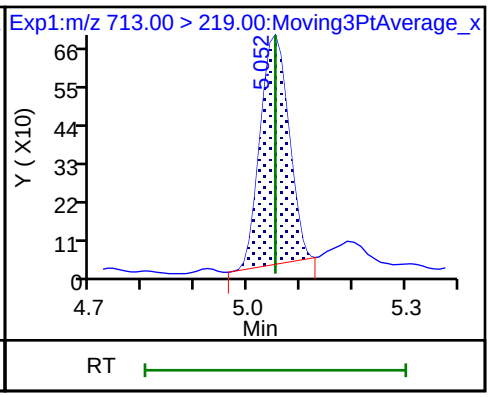
D 43 13C2 PFTeDA (M)



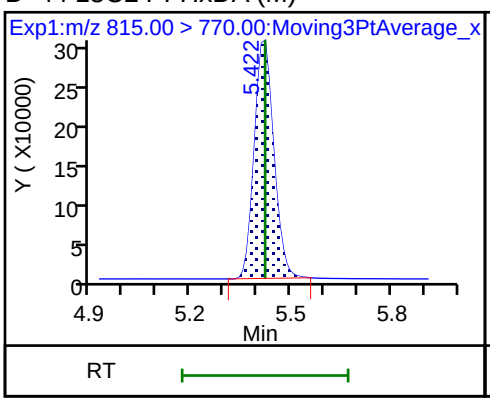
42 Perfluorotetradecanoic acid



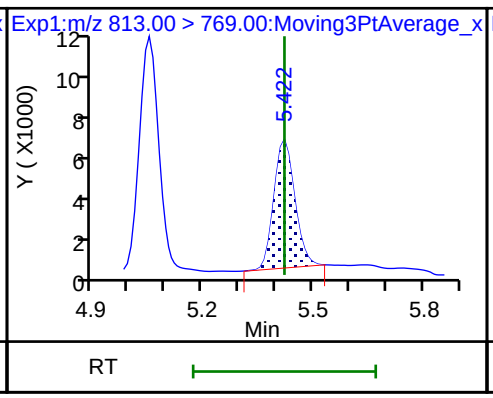
42 Perfluorotetradecanoic acid



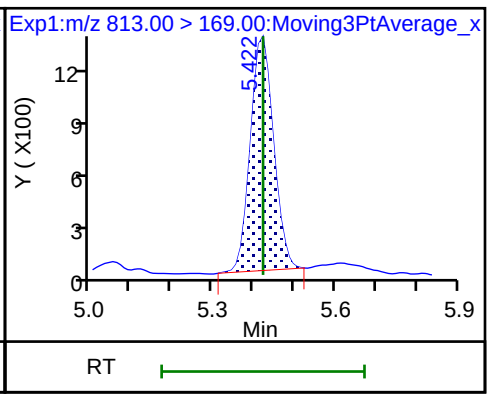
D 44 13C2 PFHxDA (M)



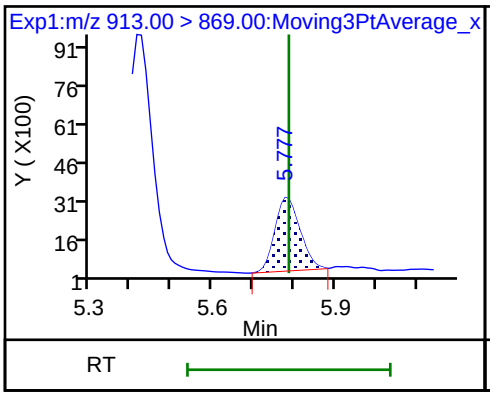
45 Perfluorohexadecanoic acid



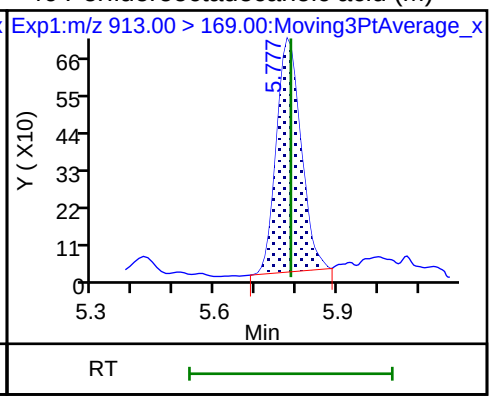
45 Perfluorohexadecanoic acid



46 Perfluorooctadecanoic acid



46 Perfluorooctadecanoic acid (M)



Manual Integration/User Assign Peak Report

Eurofins Burlington

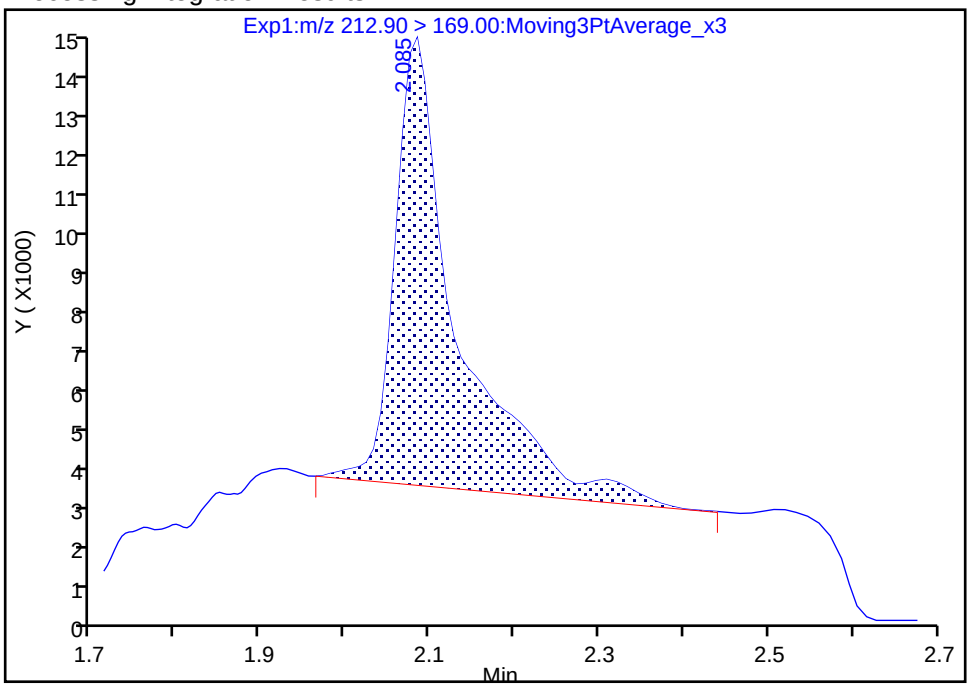
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Injection Date:	03-Aug-2022 13:49:21	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

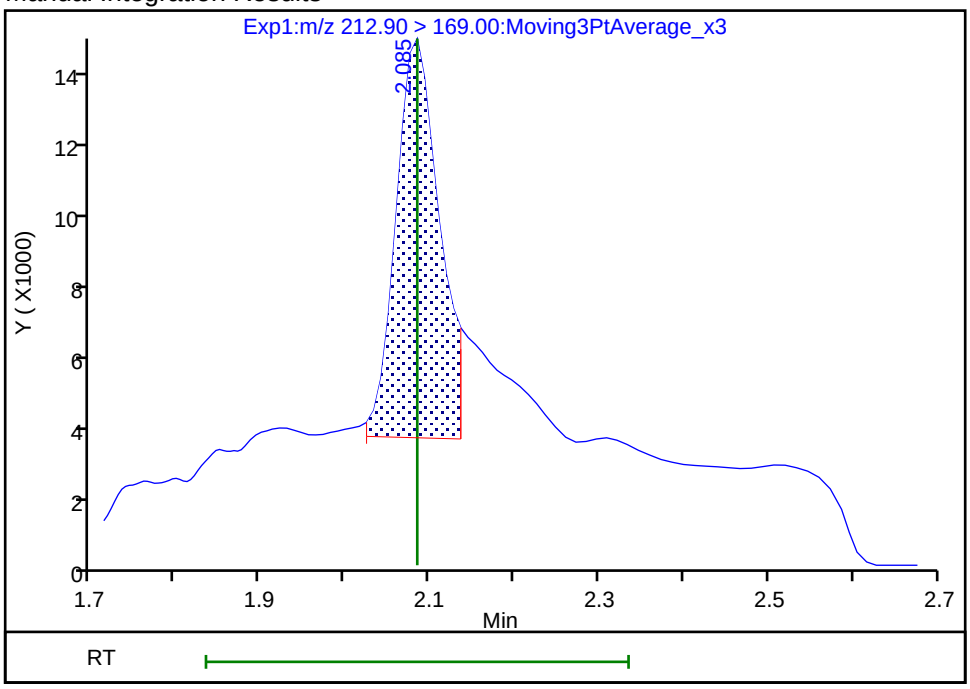
Processing Integration Results

RT: 2.08
Area: 55834
Amount: 0.036705
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 37837
Amount: 0.024874
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:09:37

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

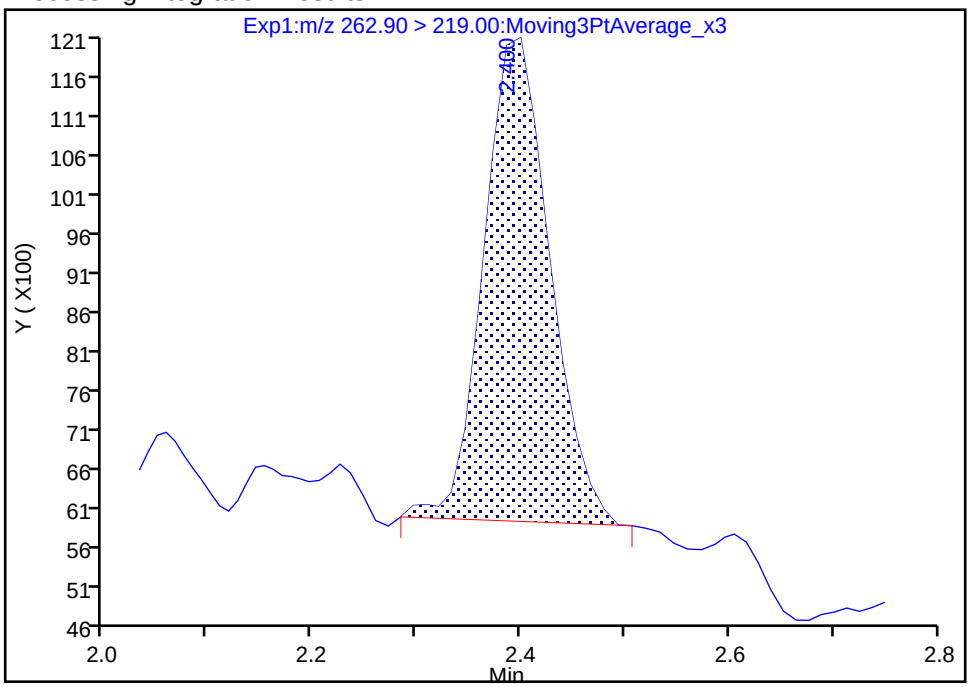
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Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

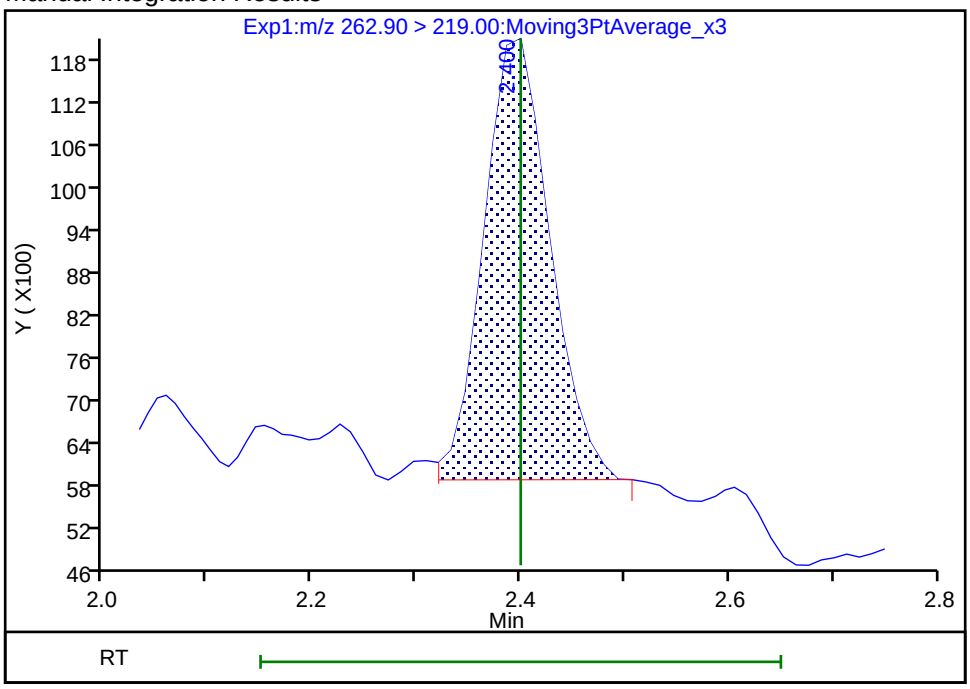
Processing Integration Results

RT: 2.40
Area: 27186
Amount: 0.021078
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 27445
Amount: 0.021279
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:15:18
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

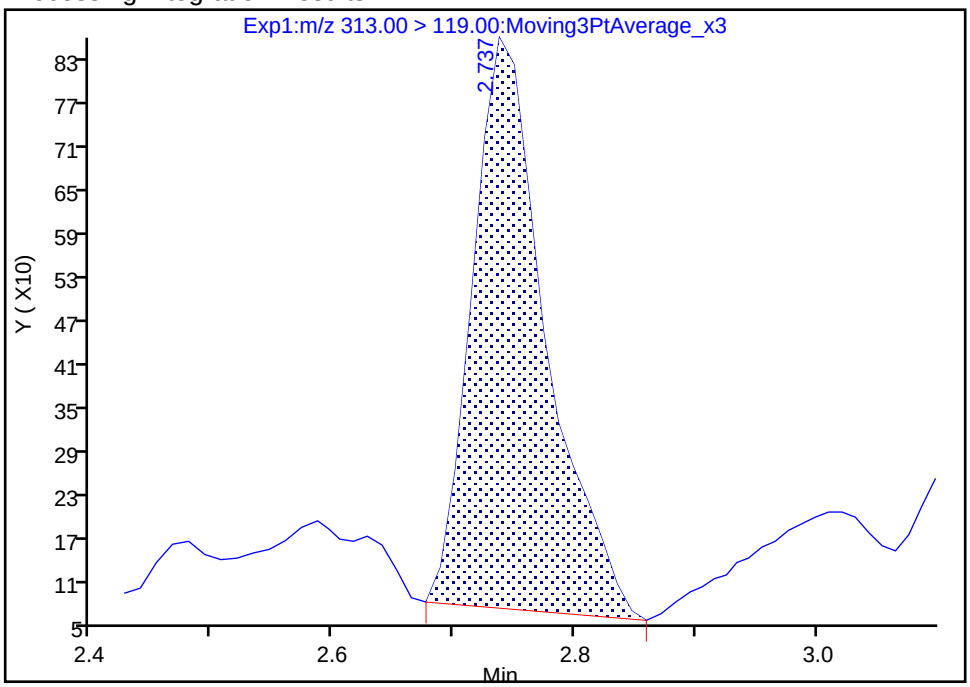
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Injection Date:	03-Aug-2022 13:49:21	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

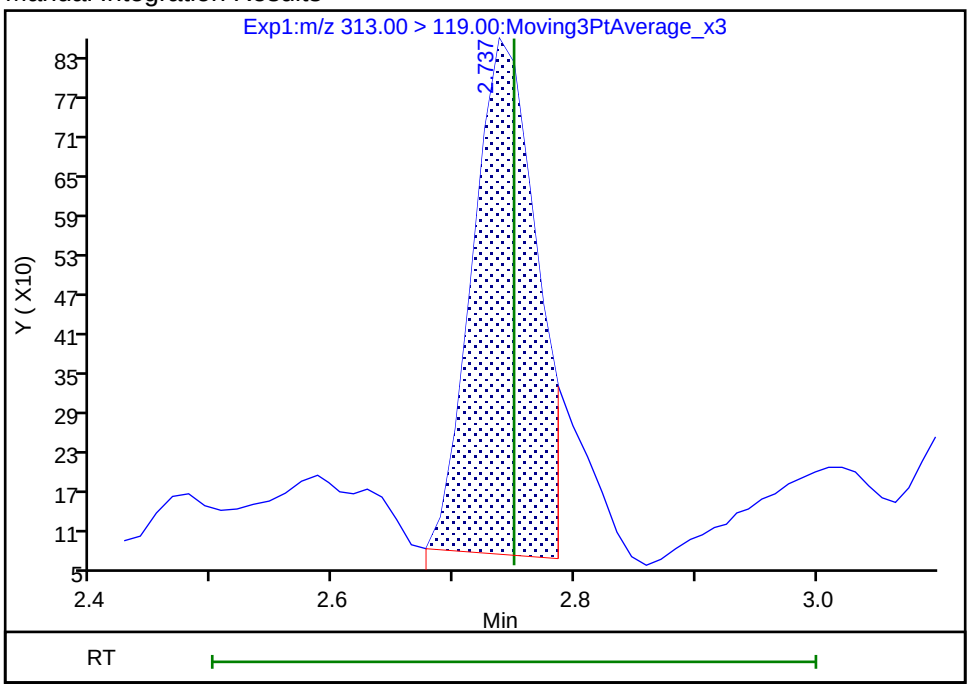
Processing Integration Results

RT: 2.74
Area: 3308
Amount: 0.019529
Amount Units: ng/ml



Manual Integration Results

RT: 2.74
Area: 2831
Amount: 0.019529
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:16:22
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

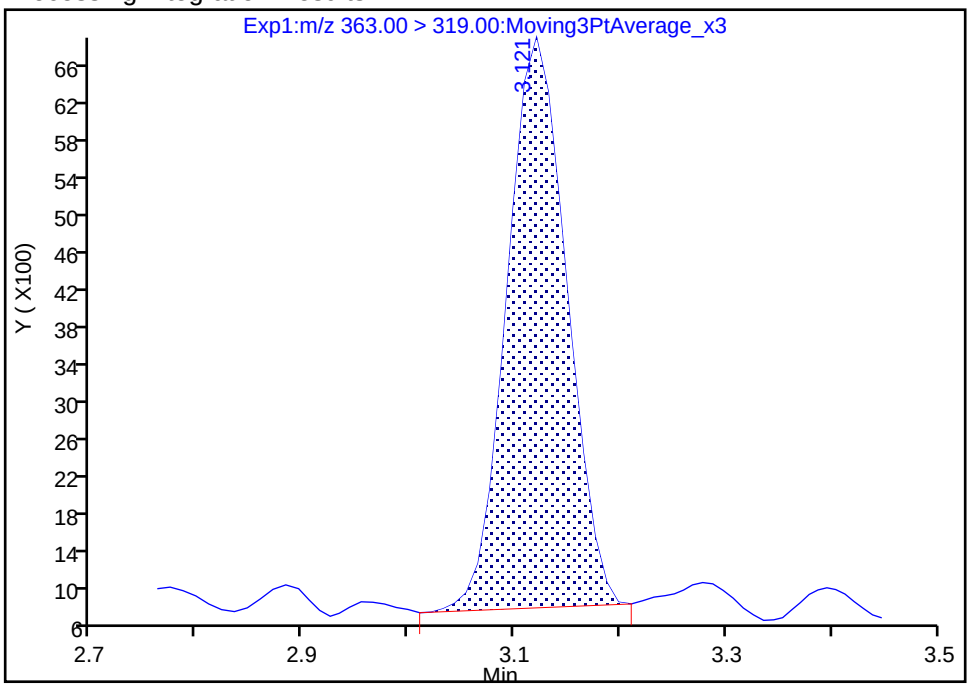
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Injection Date:	03-Aug-2022 13:49:21	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

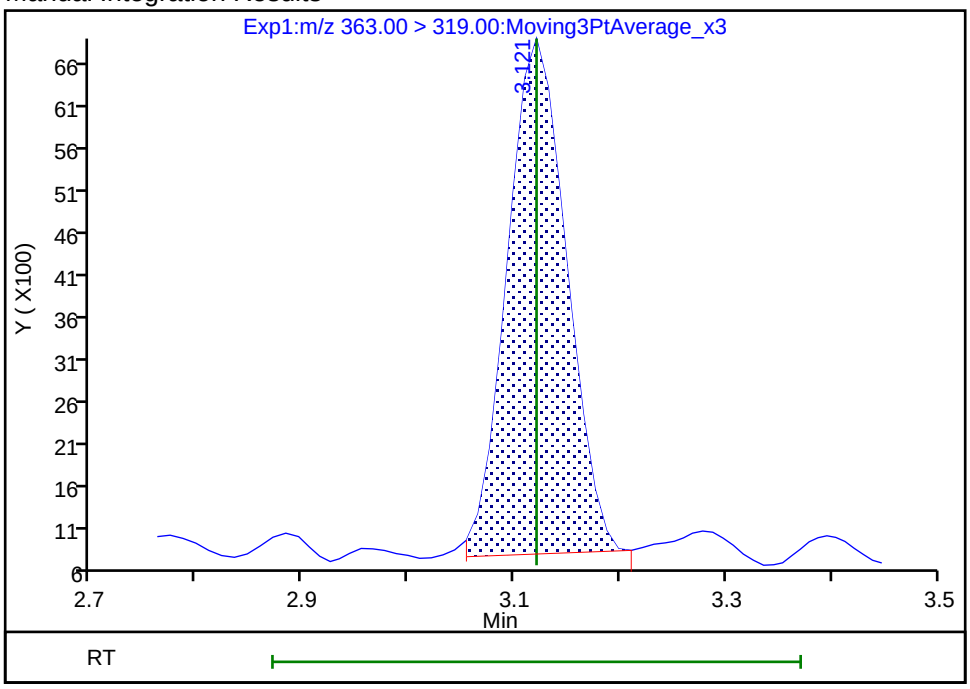
Processing Integration Results

RT: 3.12
Area: 23967
Amount: 0.017920
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 23834
Amount: 0.017820
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:16:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

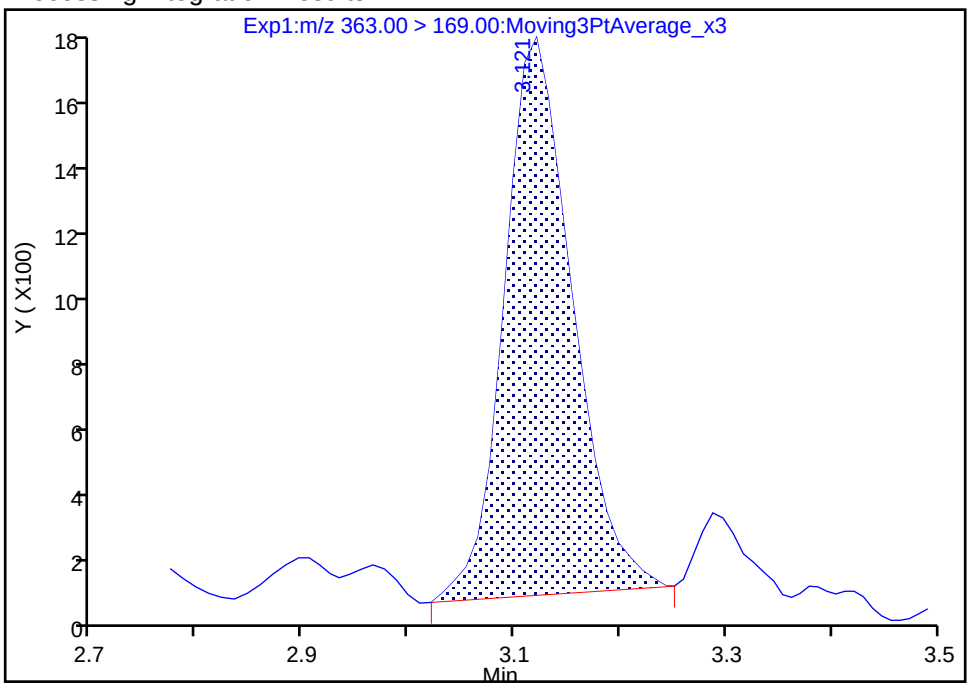
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d				
Injection Date:	03-Aug-2022 13:49:21	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

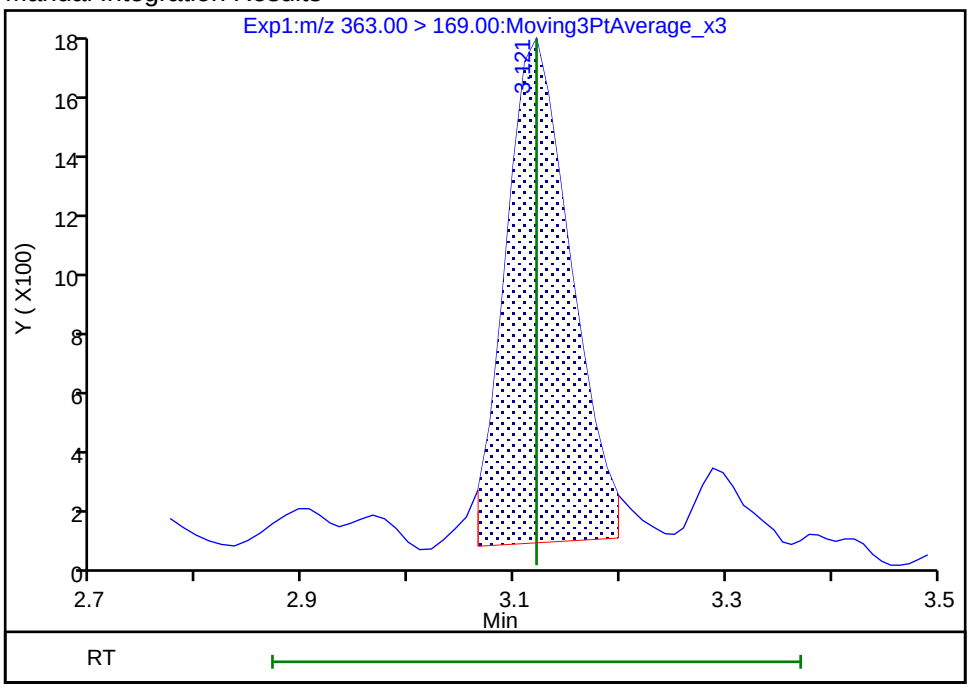
Processing Integration Results

RT: 3.12
Area: 7400
Amount: 0.017920
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 7057
Amount: 0.017820
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:17:02

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

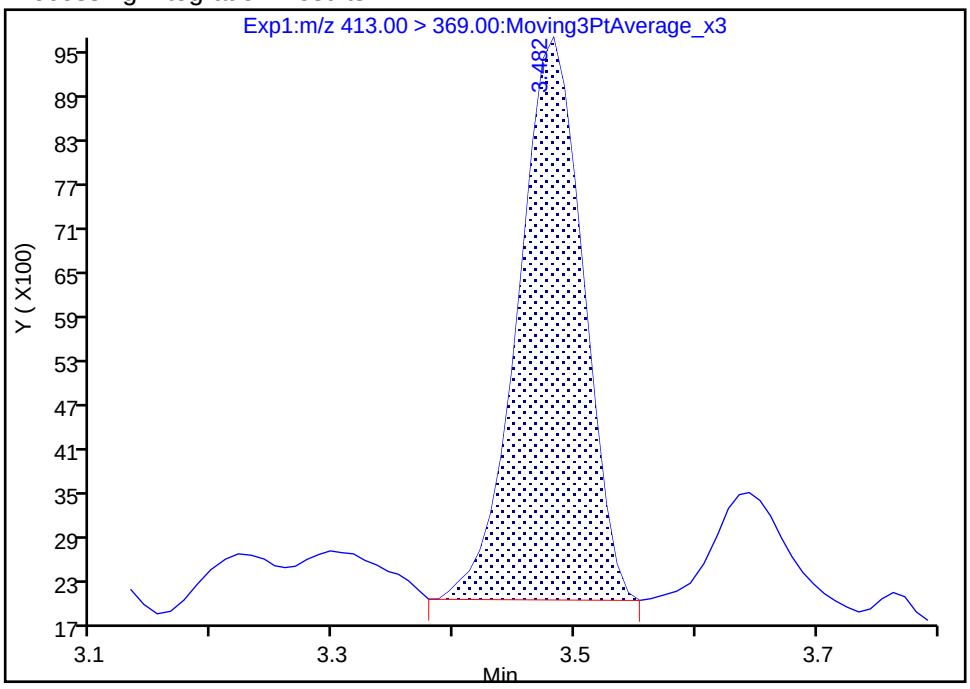
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d				
Injection Date:	03-Aug-2022 13:49:21	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

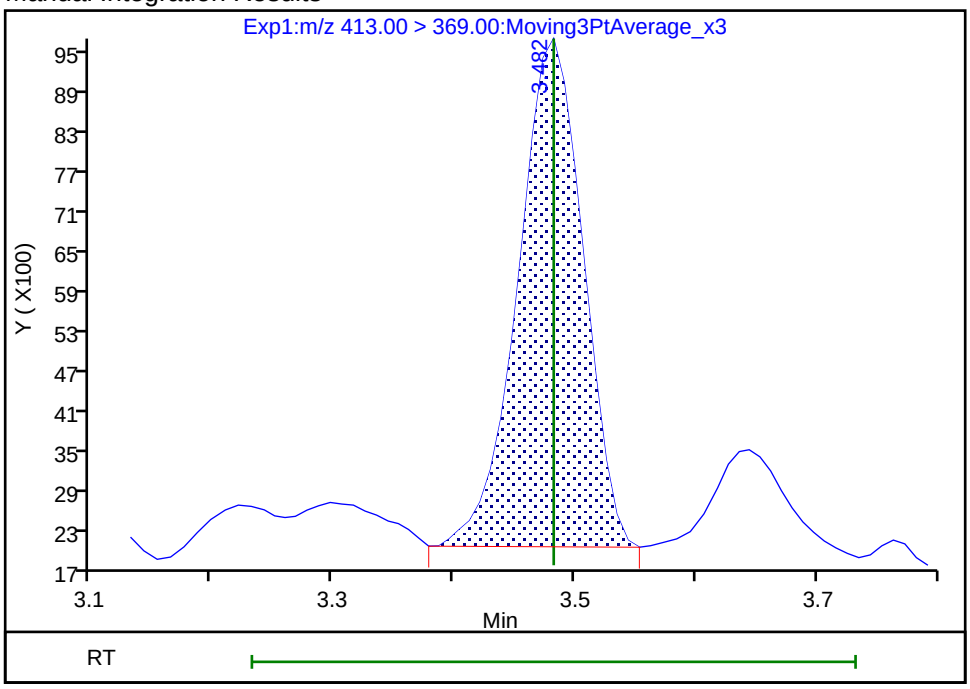
Processing Integration Results

RT: 3.48
Area: 28487
Amount: 0.018863
Amount Units: ng/ml



Manual Integration Results

RT: 3.48
Area: 28487
Amount: 0.019013
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:18:37

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

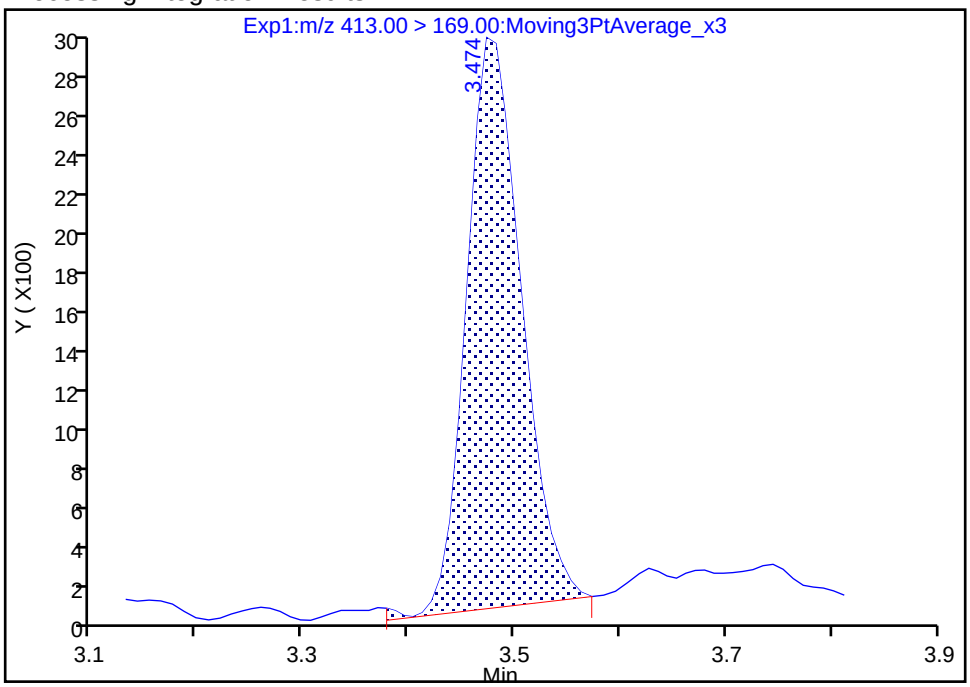
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d				
Injection Date:	03-Aug-2022 13:49:21	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

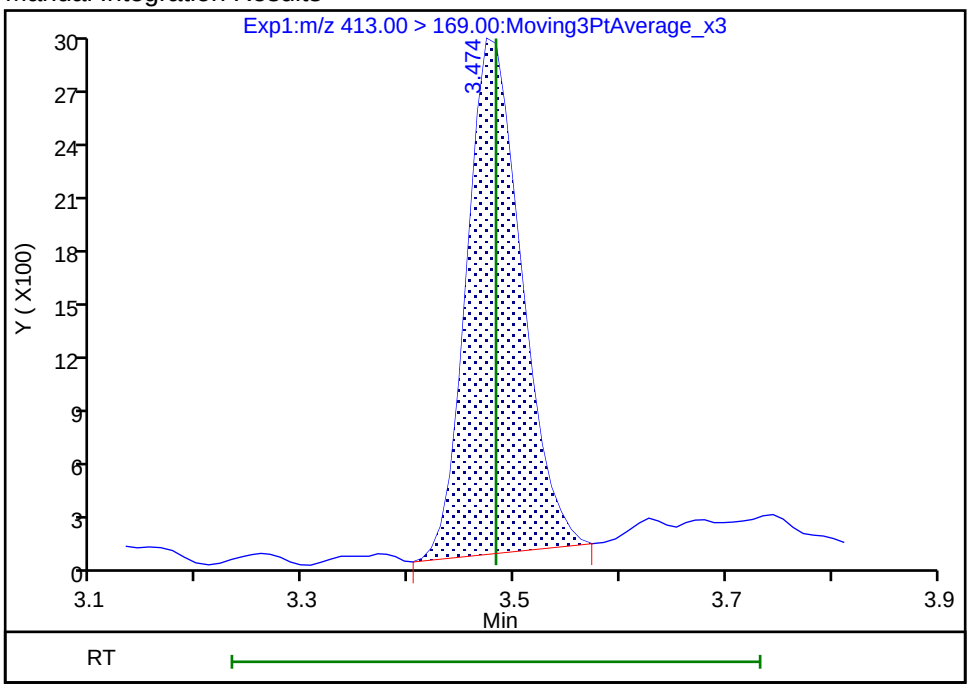
Processing Integration Results

RT: 3.47
Area: 10416
Amount: 0.018863
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 10359
Amount: 0.019013
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:18:41
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

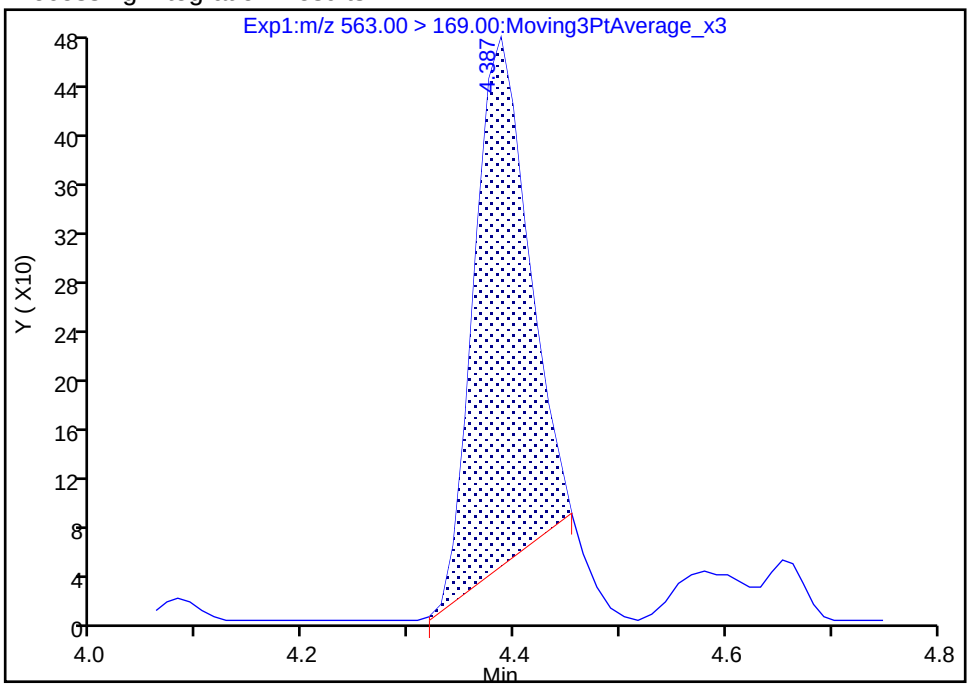
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d				
Injection Date:	03-Aug-2022 13:49:21	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

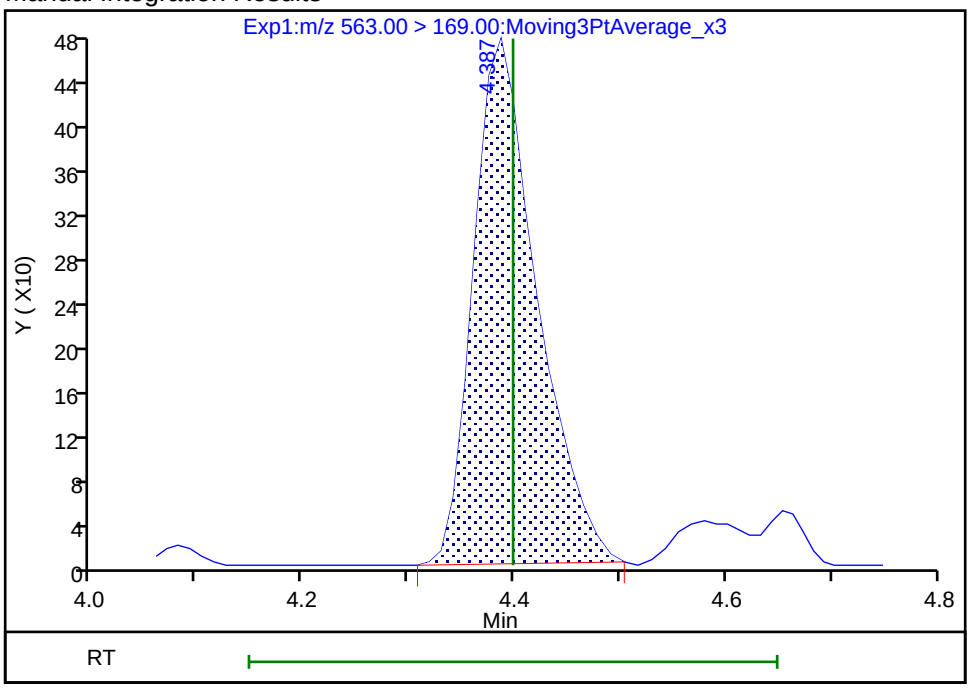
Processing Integration Results

RT: 4.39
Area: 1538
Amount: 0.017440
Amount Units: ng/ml



Manual Integration Results

RT: 4.39
Area: 1970
Amount: 0.017591
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:21:32
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

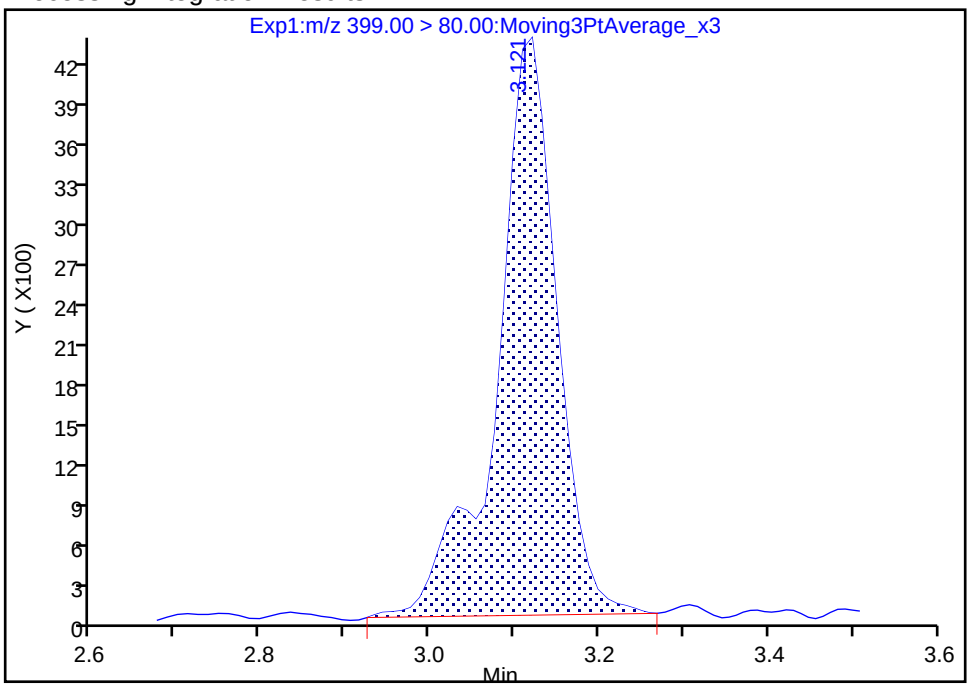
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d				
Injection Date:	03-Aug-2022 13:49:21	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

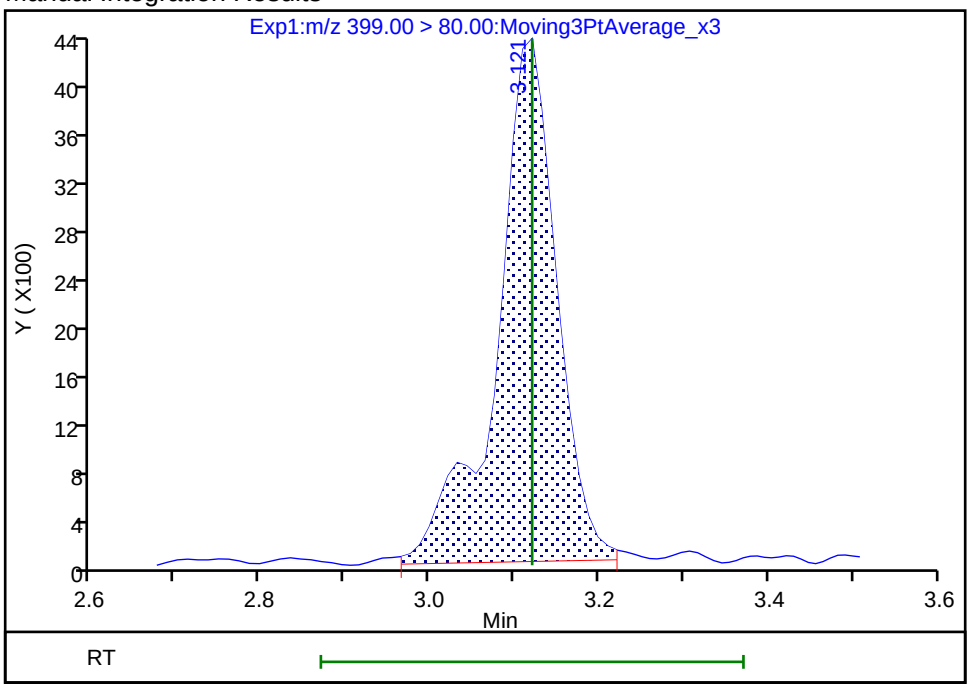
Processing Integration Results

RT: 3.12
Area: 21153
Amount: 0.018240
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 21122
Amount: 0.018214
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:17:30

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

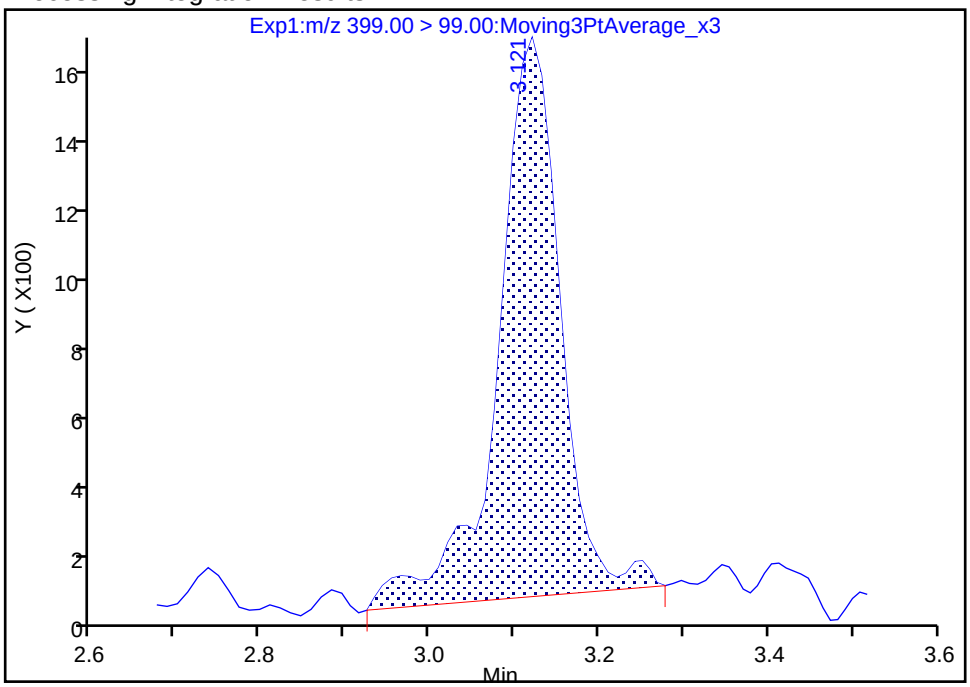
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d				
Injection Date:	03-Aug-2022 13:49:21	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

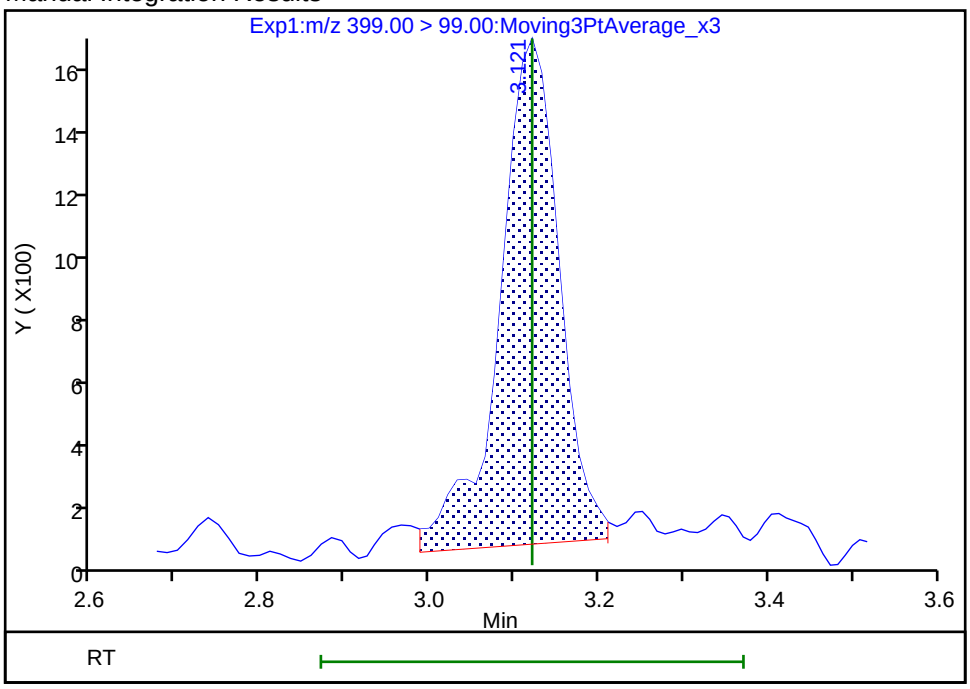
Processing Integration Results

RT: 3.12
Area: 7688
Amount: 0.018240
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 7292
Amount: 0.018214
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:17:37
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

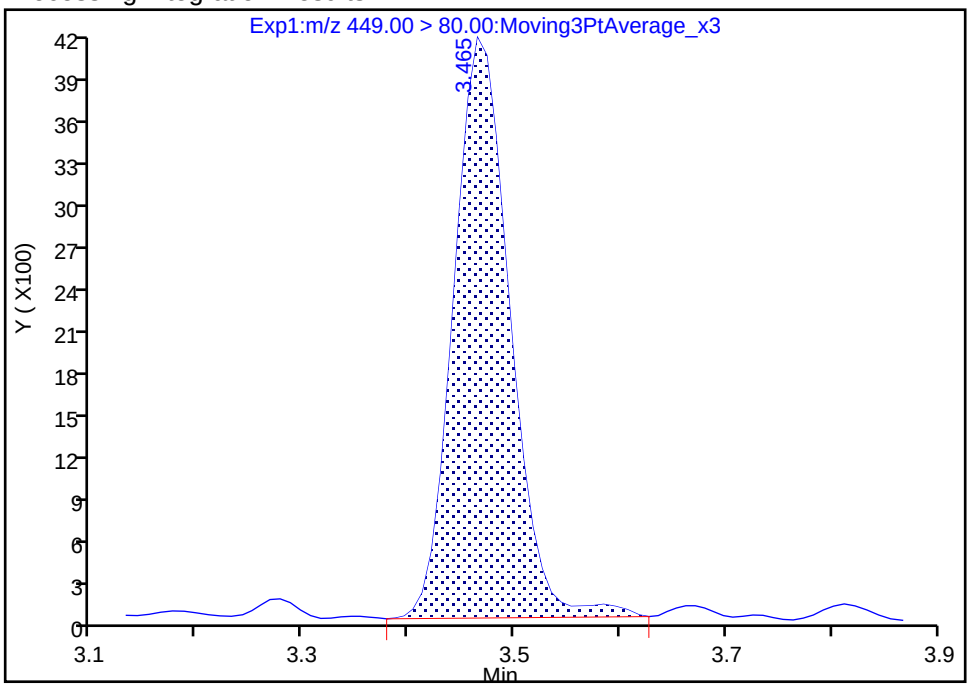
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d				
Injection Date:	03-Aug-2022 13:49:21	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

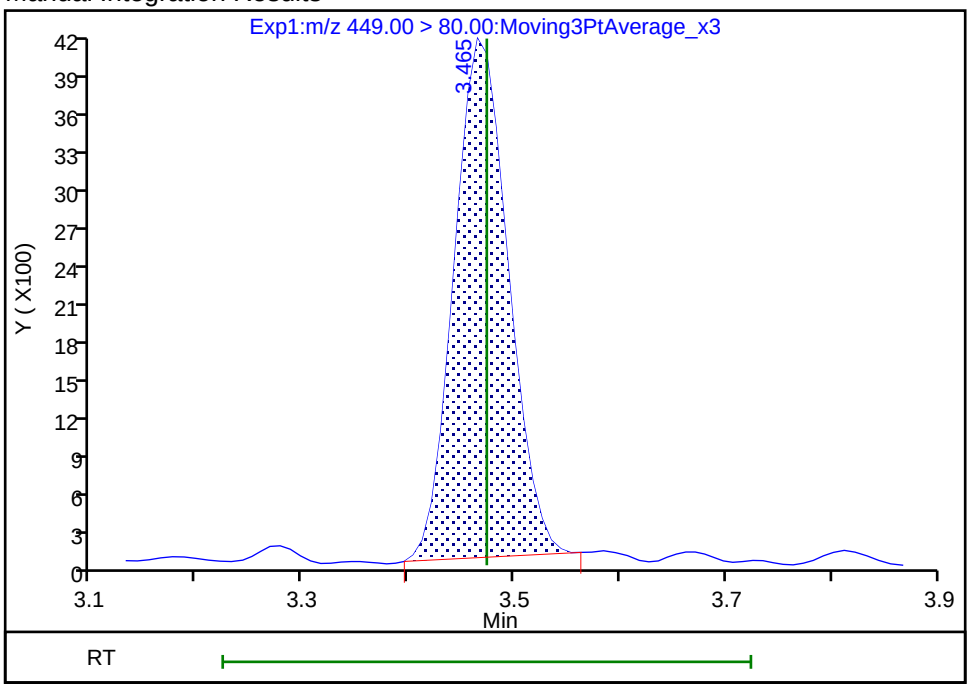
Processing Integration Results

RT: 3.46
Area: 15245
Amount: 0.016269
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 14529
Amount: 0.015505
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:18:20

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

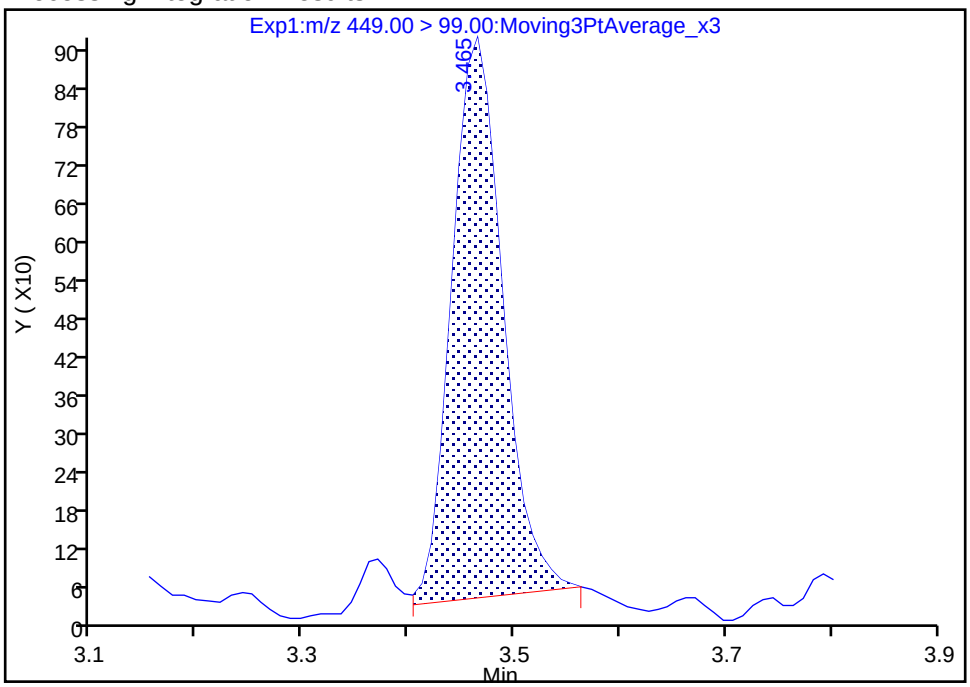
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d				
Injection Date:	03-Aug-2022 13:49:21	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

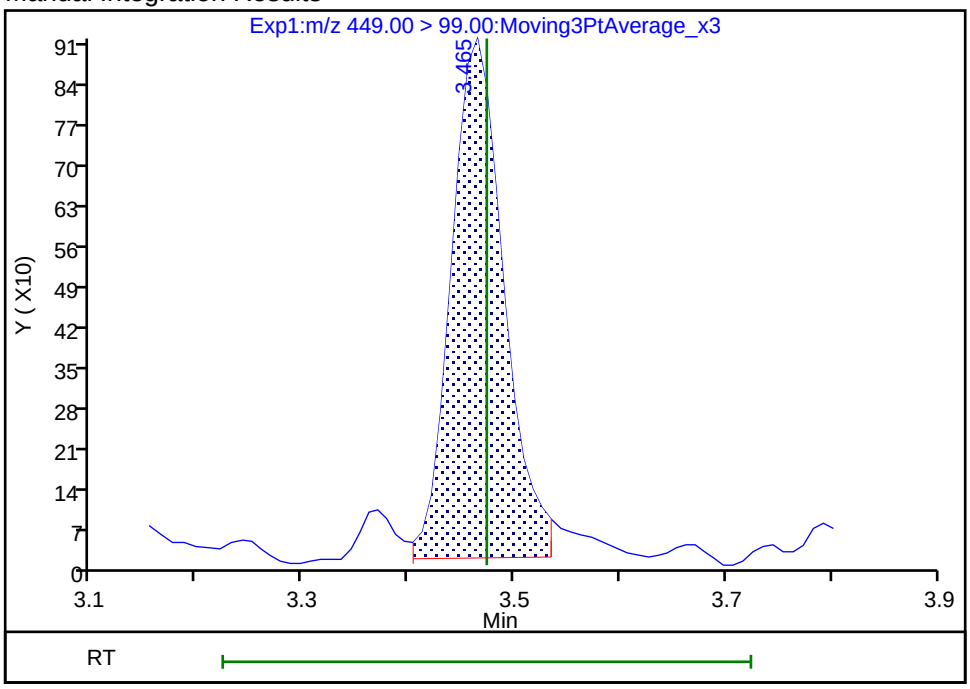
Processing Integration Results

RT: 3.46
Area: 2914
Amount: 0.016269
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 3074
Amount: 0.015505
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:18:31
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

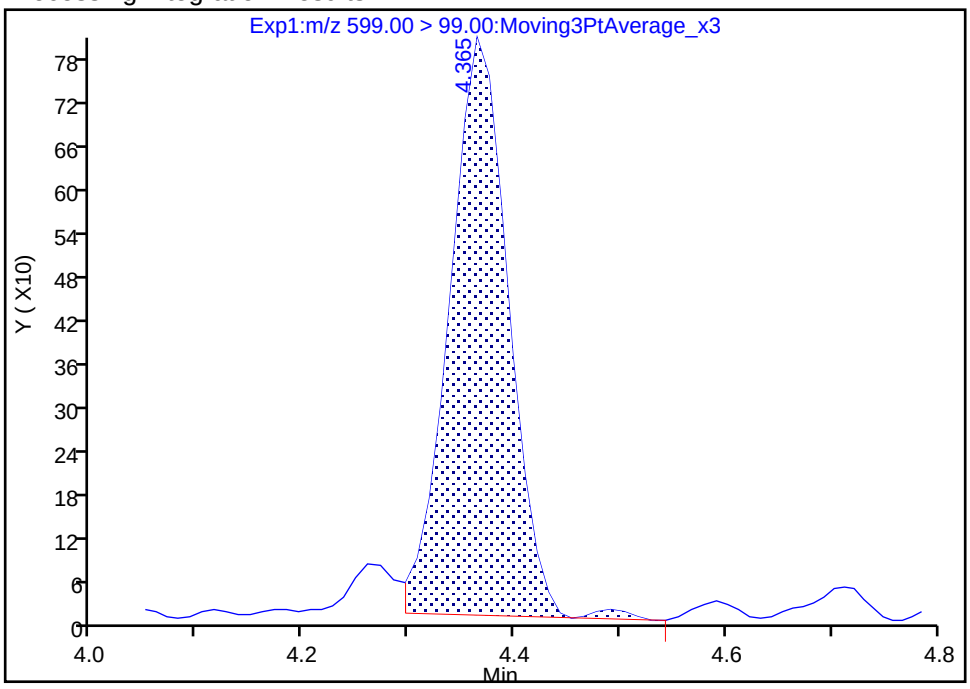
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d				
Injection Date:	03-Aug-2022 13:49:21	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

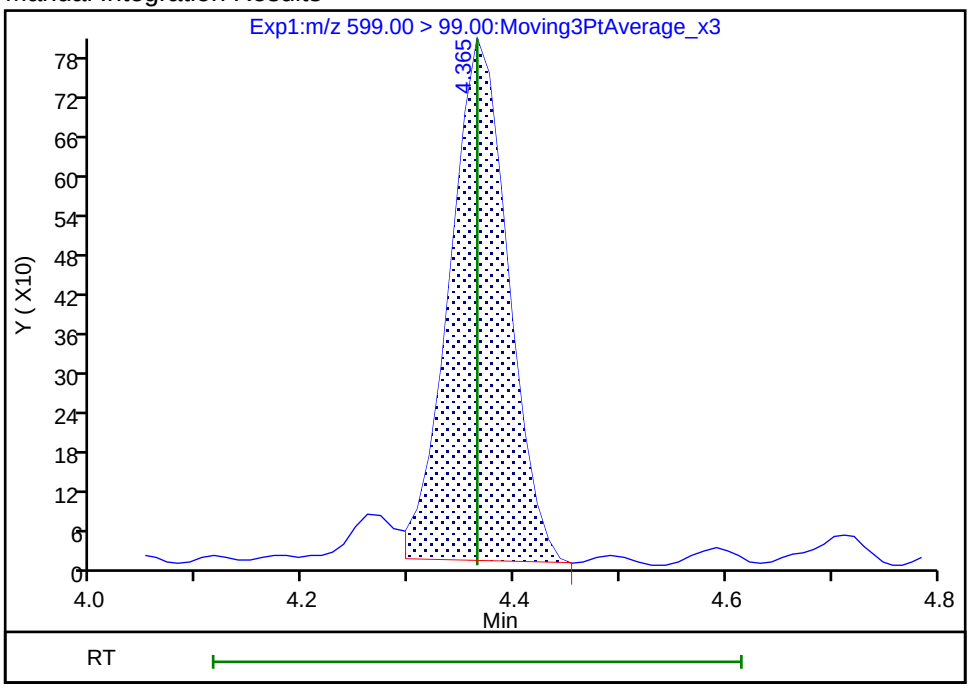
Processing Integration Results

RT: 4.36
Area: 3098
Amount: 0.014613
Amount Units: ng/ml



Manual Integration Results

RT: 4.36
Area: 3067
Amount: 0.014613
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:21:26

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

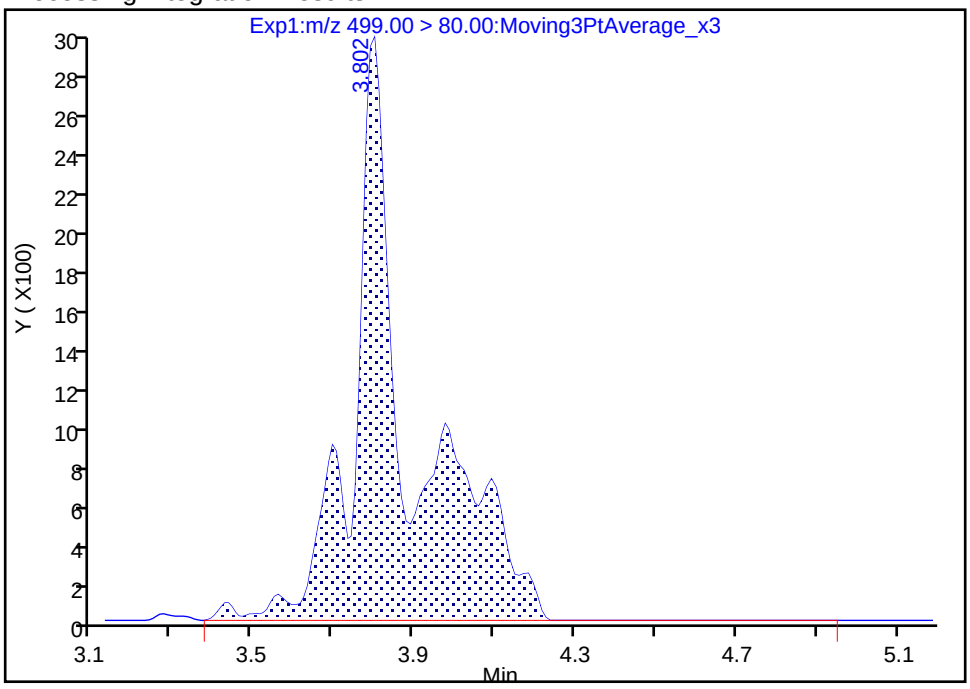
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d				
Injection Date:	03-Aug-2022 13:49:21	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

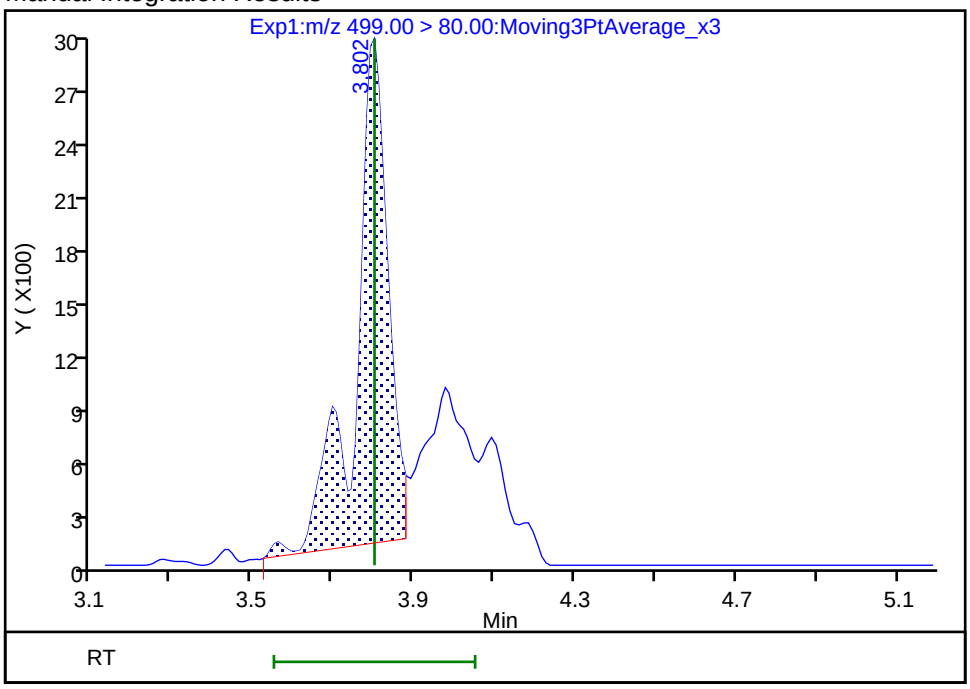
Processing Integration Results

RT: 3.80
Area: 29324
Amount: 0.020402
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 15622
Amount: 0.002237
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:19:08
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

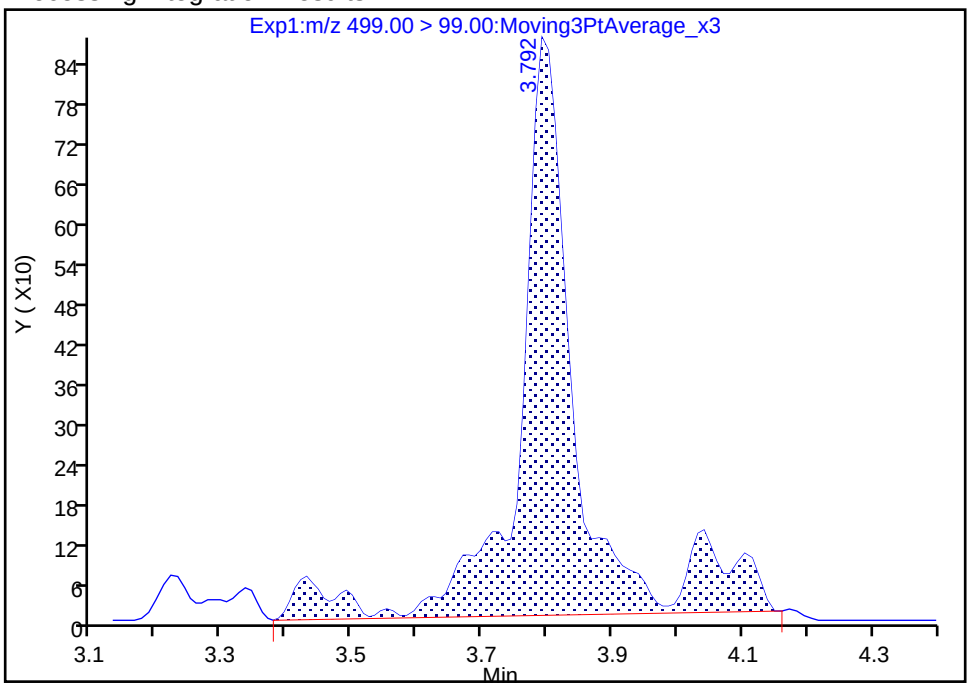
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d				
Injection Date:	03-Aug-2022 13:49:21	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

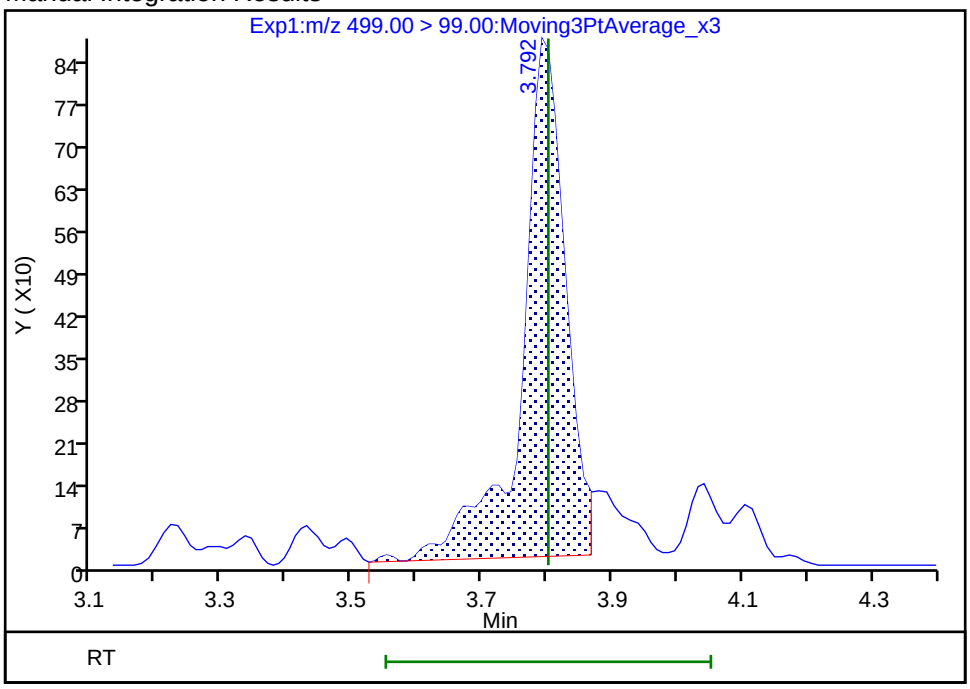
Processing Integration Results

RT: 3.79
Area: 5527
Amount: 0.020402
Amount Units: ng/ml



Manual Integration Results

RT: 3.79
Area: 4033
Amount: 0.002237
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:19:11
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

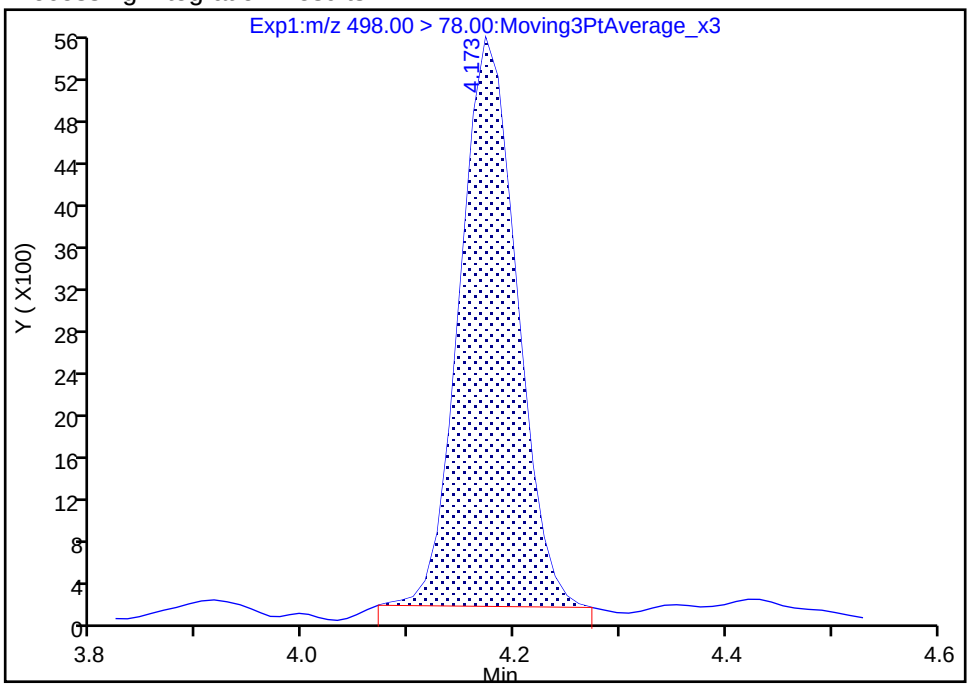
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d				
Injection Date:	03-Aug-2022 13:49:21	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

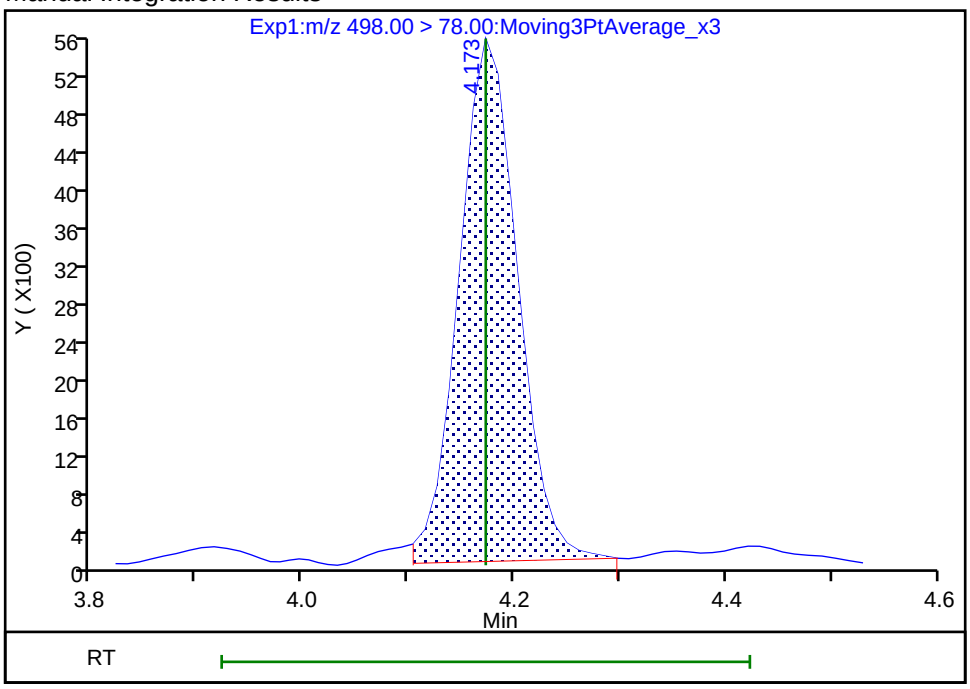
Processing Integration Results

RT: 4.17
Area: 20295
Amount: 0.016879
Amount Units: ng/ml



Manual Integration Results

RT: 4.17
Area: 21149
Amount: 0.017590
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:20:30

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

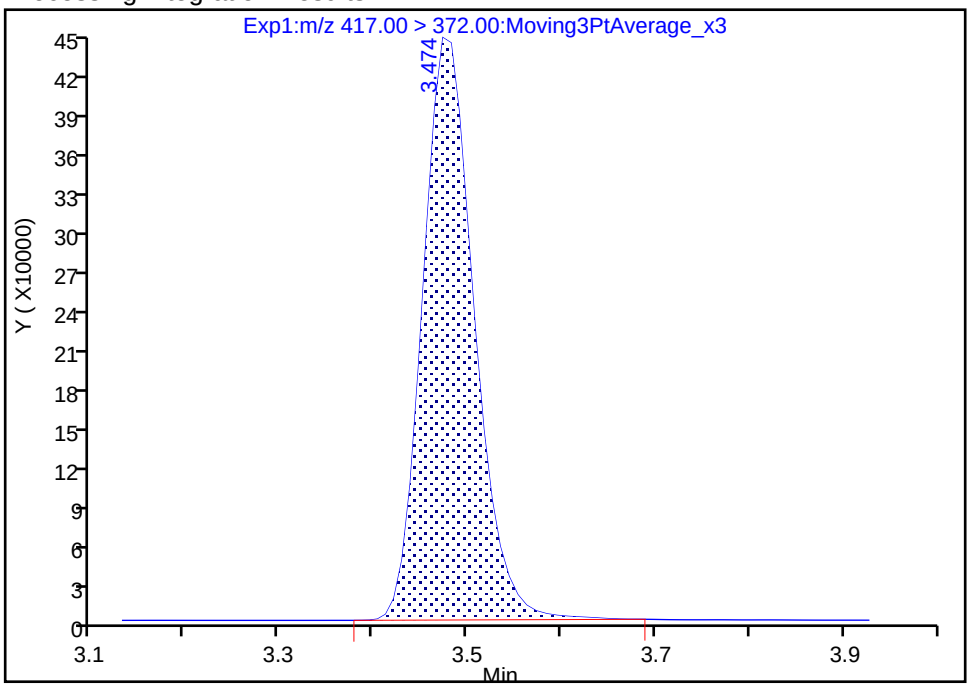
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

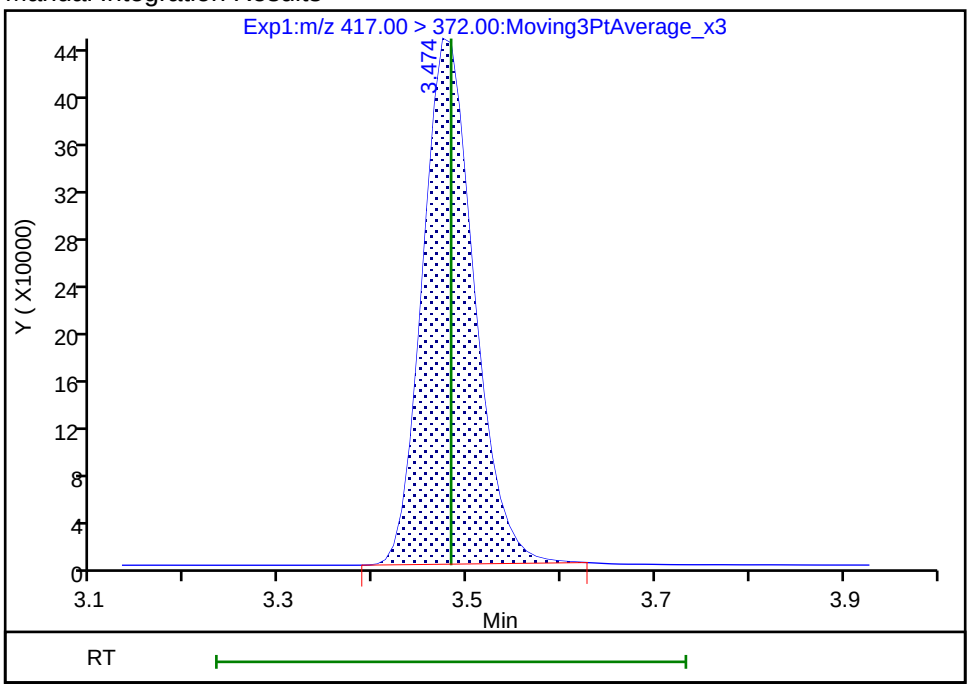
Processing Integration Results

RT: 3.47
Area: 1683402
Amount: 1.270581
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 1670098
Amount: 1.260540
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:18:51
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

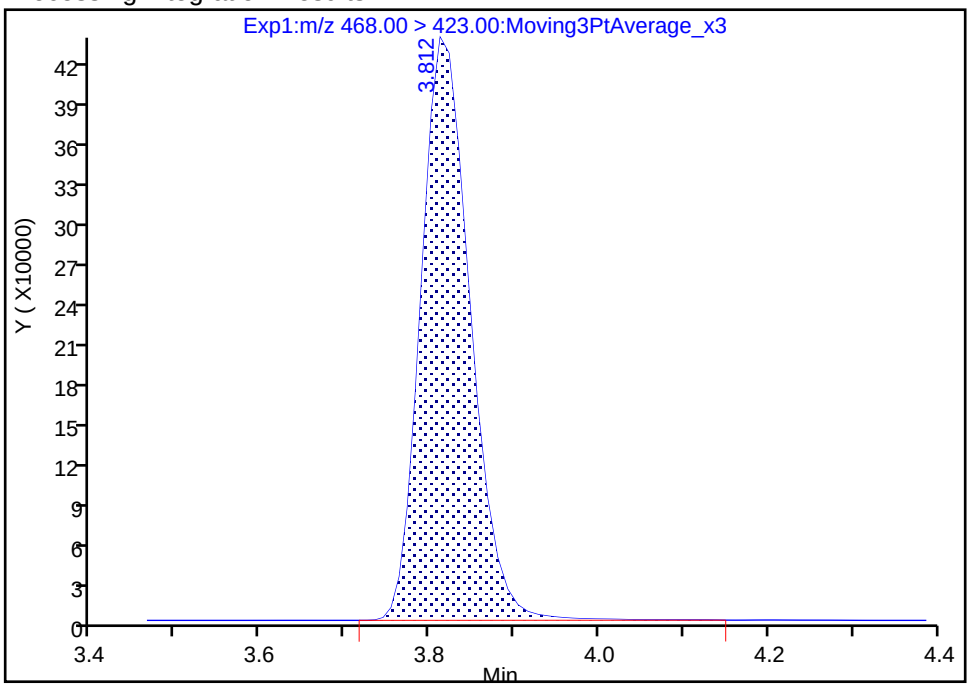
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

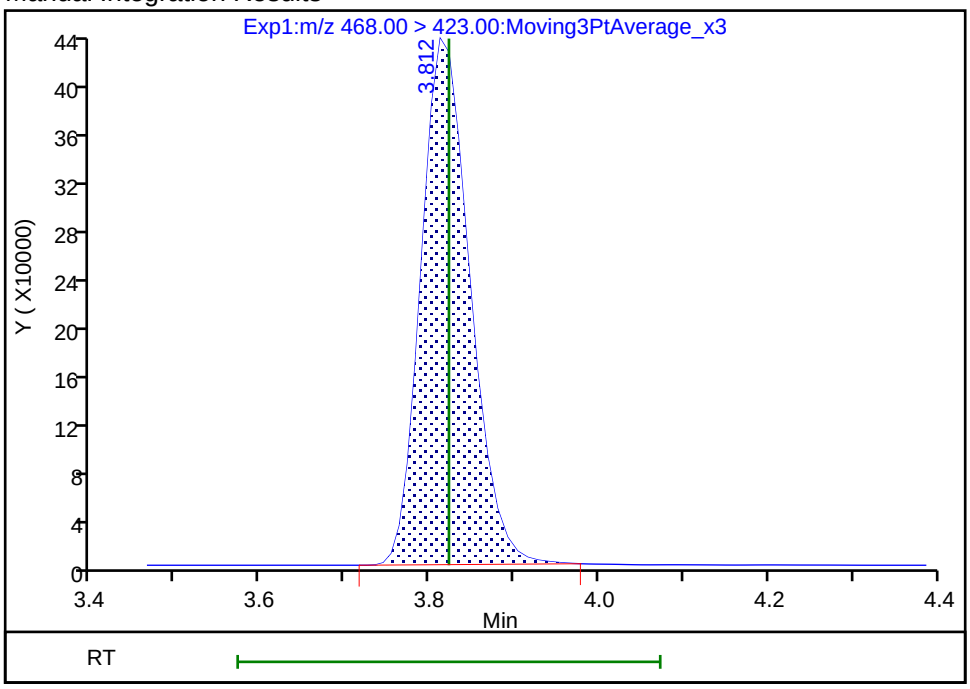
Processing Integration Results

RT: 3.81
Area: 1762565
Amount: 1.281409
Amount Units: ng/ml



Manual Integration Results

RT: 3.81
Area: 1749304
Amount: 1.271768
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:19:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

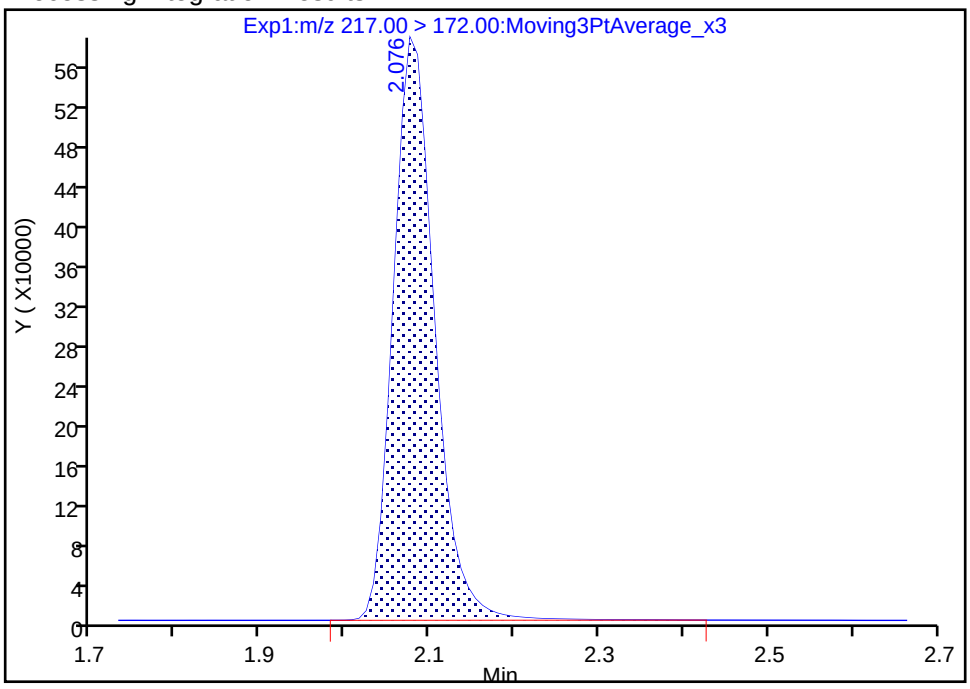
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d				
Injection Date:	03-Aug-2022 13:49:21	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

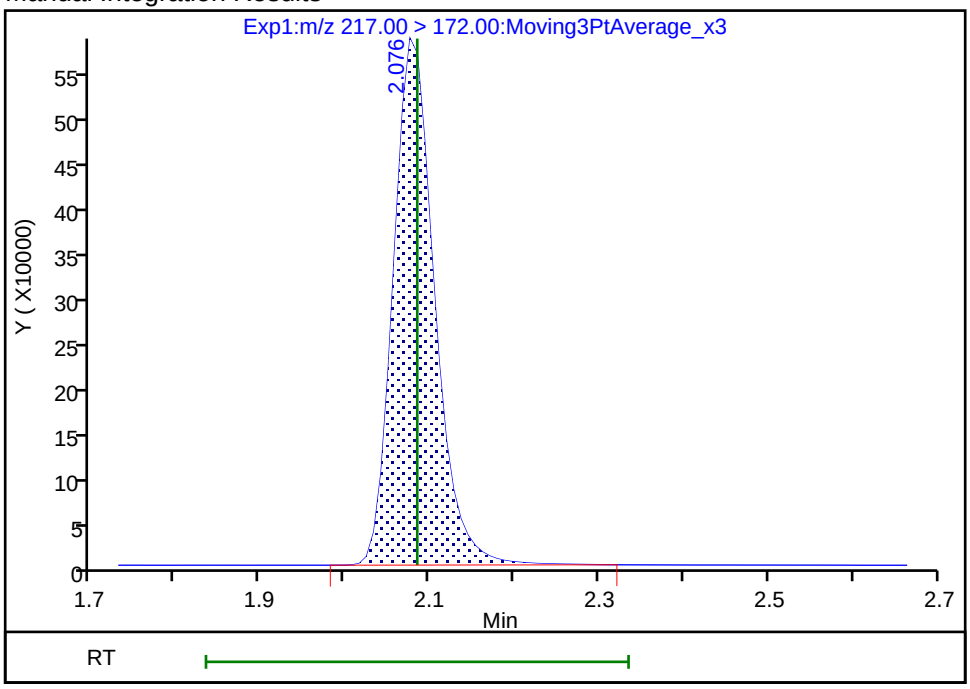
Processing Integration Results

RT: 2.08
Area: 1964772
Amount: 1.210369
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 1960887
Amount: 1.207976
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:09:26

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

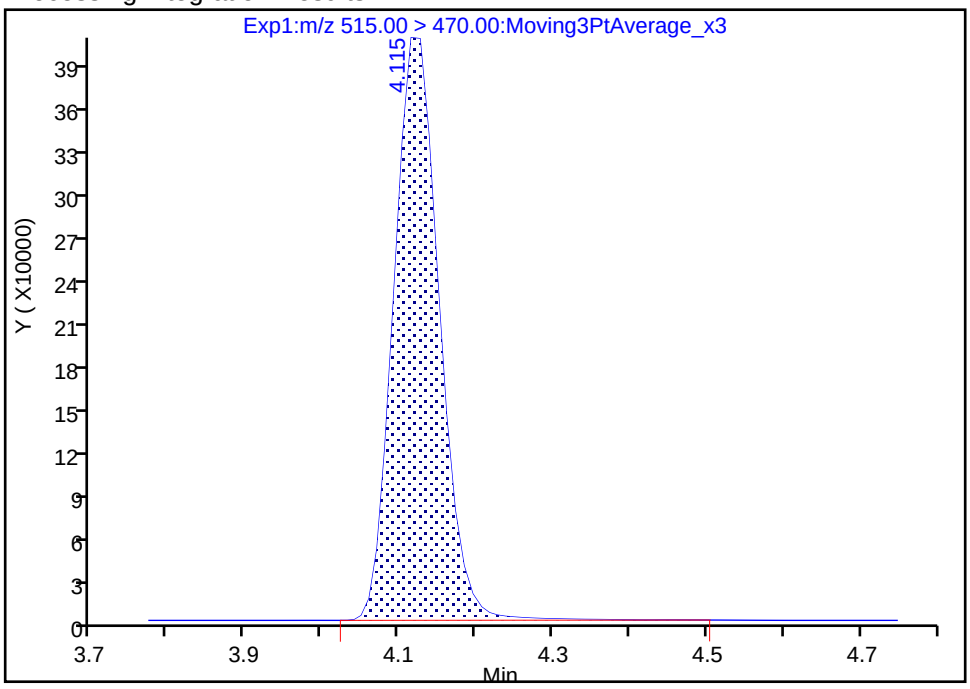
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d				
Injection Date:	03-Aug-2022 13:49:21	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

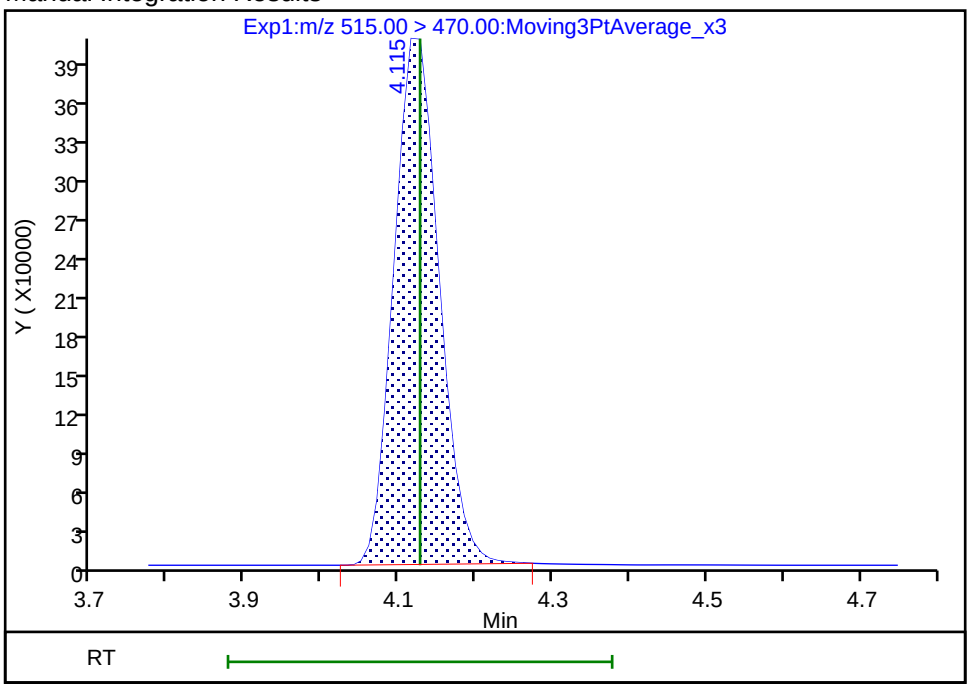
Processing Integration Results

RT: 4.12
Area: 1663534
Amount: 1.242673
Amount Units: ng/ml



Manual Integration Results

RT: 4.12
Area: 1648156
Amount: 1.231185
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:20:15

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

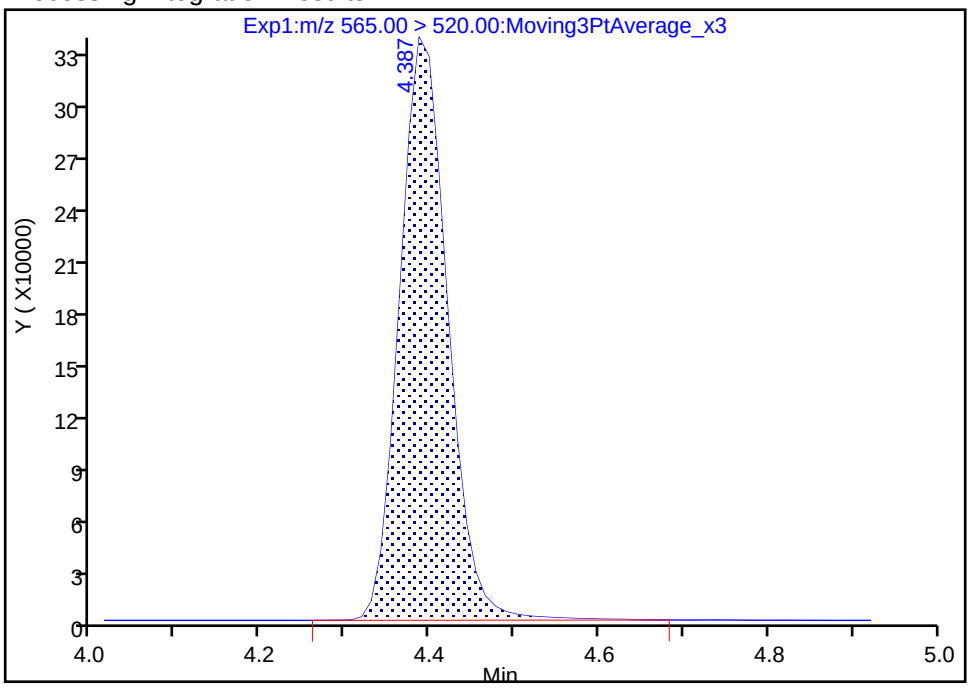
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

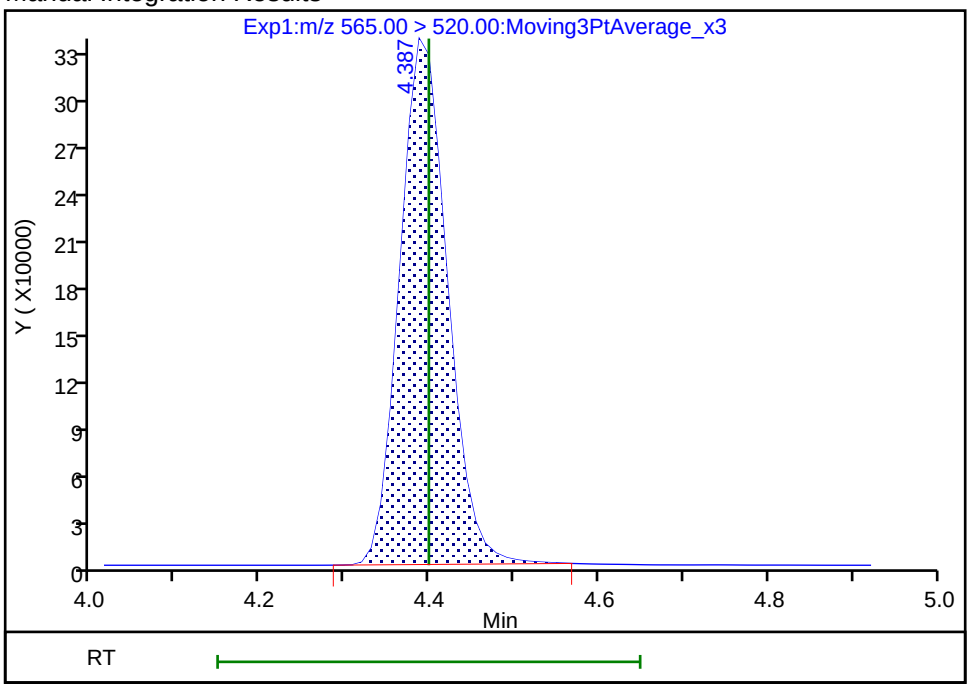
Processing Integration Results

RT: 4.39
Area: 1307700
Amount: 1.289285
Amount Units: ng/ml



Manual Integration Results

RT: 4.39
Area: 1296470
Amount: 1.278214
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:21:39
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

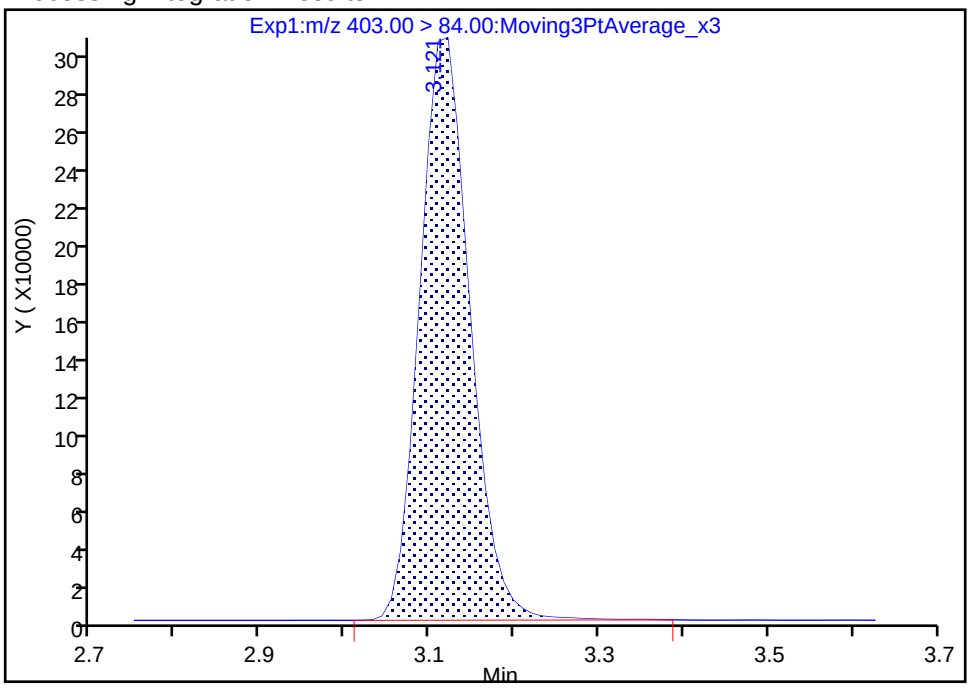
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d				
Injection Date:	03-Aug-2022 13:49:21	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 11 18O2 PFHxS, CAS: STL00994

Signal: 1

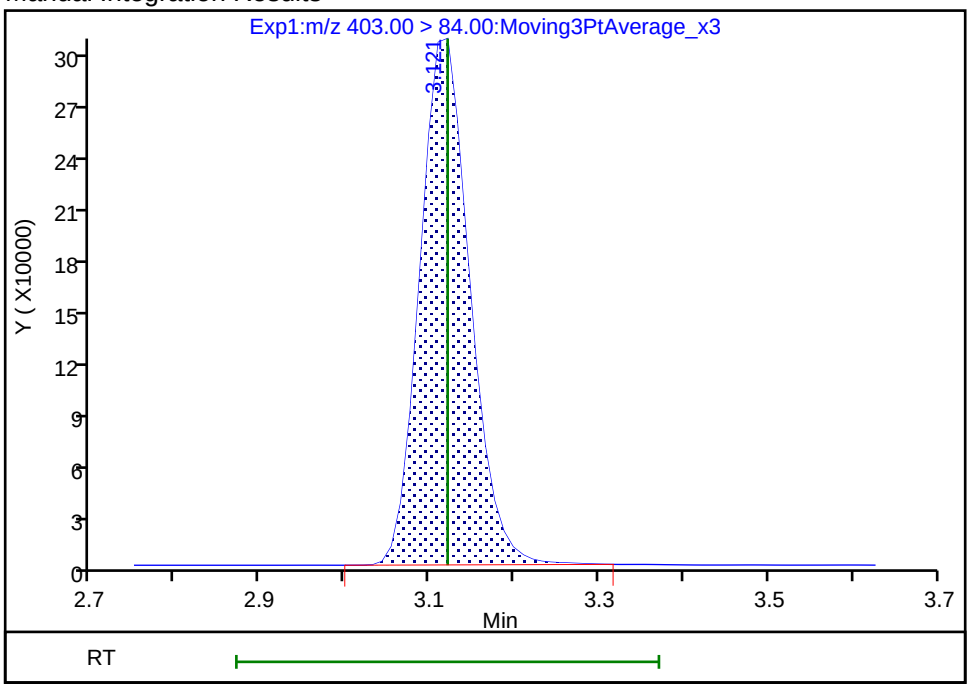
Processing Integration Results

RT: 3.12
Area: 1246622
Amount: 1.226892
Amount Units: ng/ml



Manual Integration Results

RT: 3.12
Area: 1243333
Amount: 1.223655
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:17:10

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

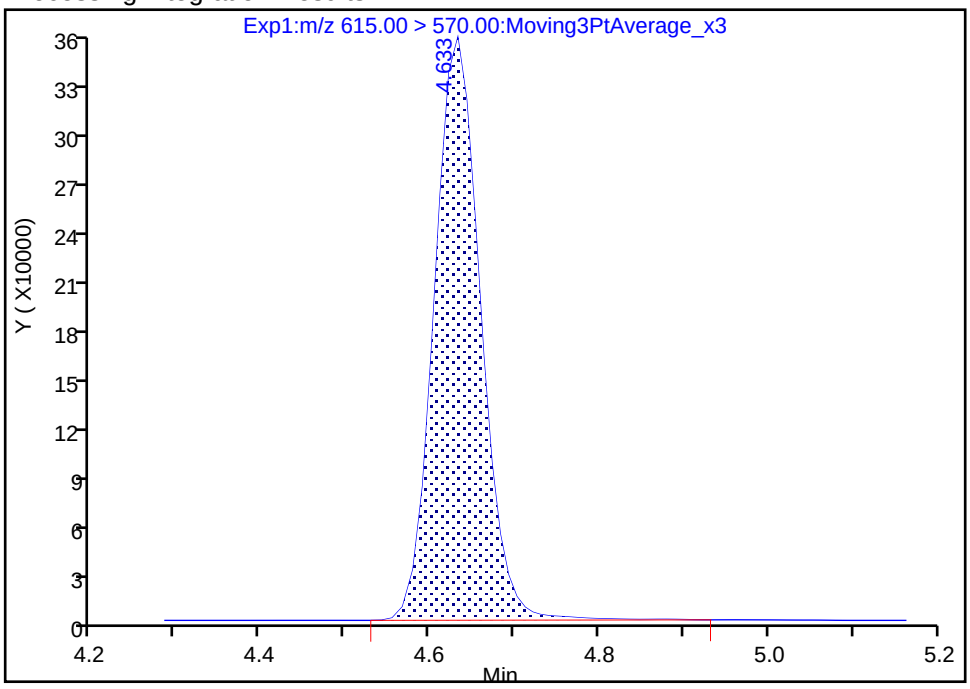
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 36 13C2 PFDoA, CAS: STL00998

Signal: 1

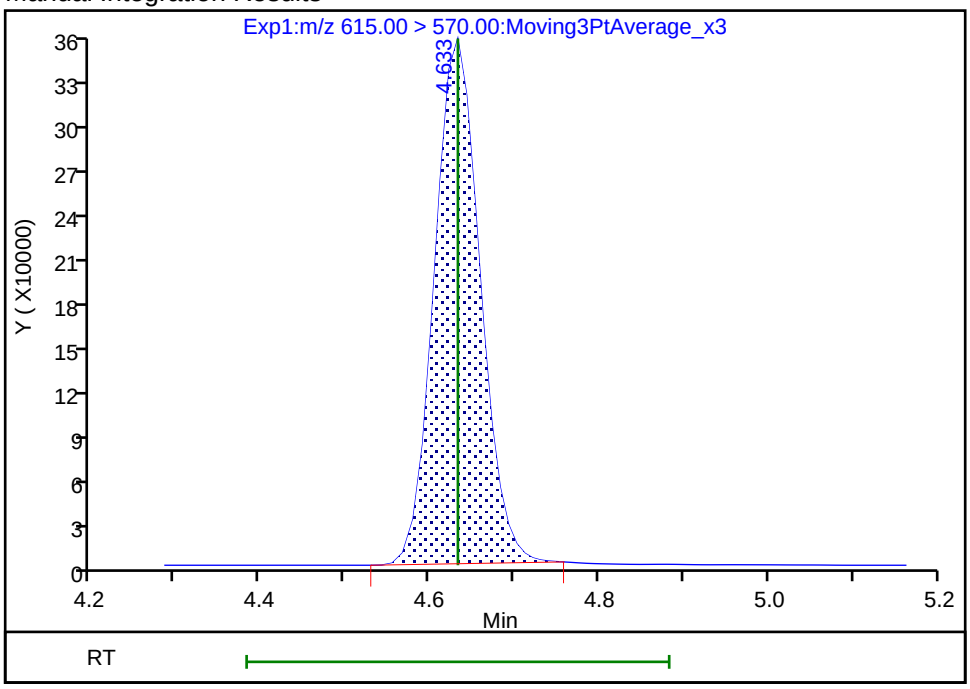
Processing Integration Results

RT: 4.63
Area: 1345417
Amount: 1.280079
Amount Units: ng/ml



Manual Integration Results

RT: 4.63
Area: 1325182
Amount: 1.260827
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:21:57
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

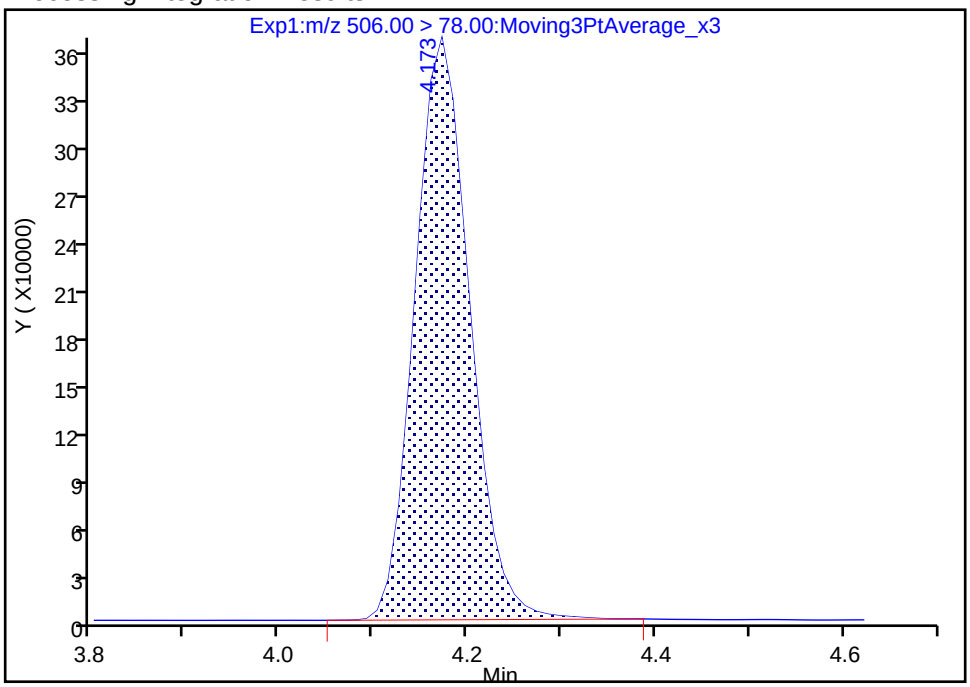
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d				
Injection Date:	03-Aug-2022 13:49:21	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

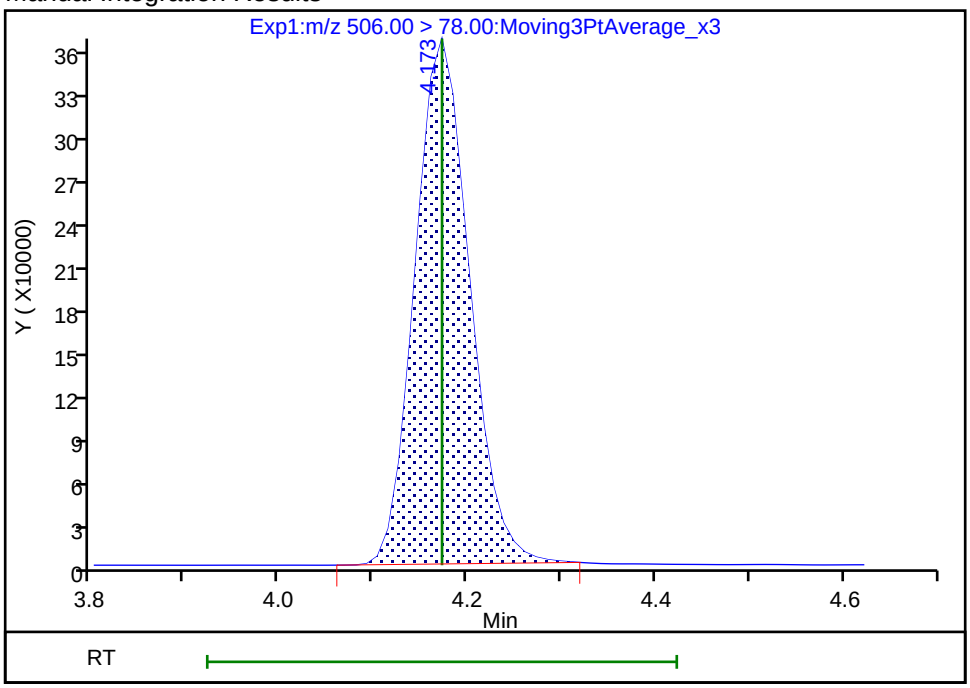
Processing Integration Results

RT: 4.17
Area: 1486276
Amount: 1.268543
Amount Units: ng/ml



Manual Integration Results

RT: 4.17
Area: 1474899
Amount: 1.258832
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:20:22

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

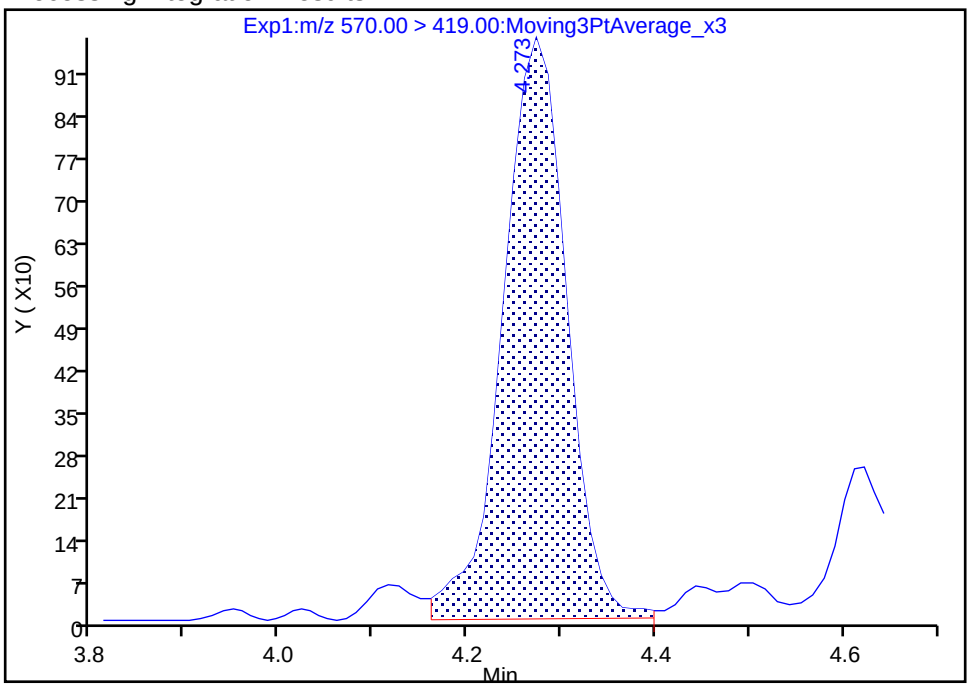
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d				
Injection Date:	03-Aug-2022 13:49:21	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

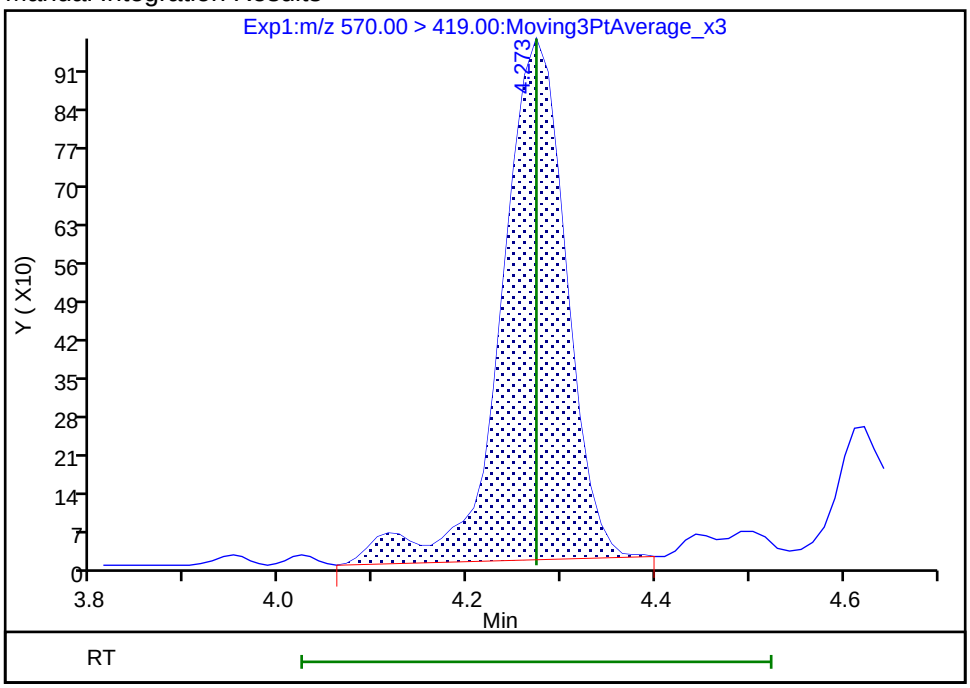
Processing Integration Results

RT: 4.27
Area: 4547
Amount: 0.029158
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 4635
Amount: 0.029842
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:21:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

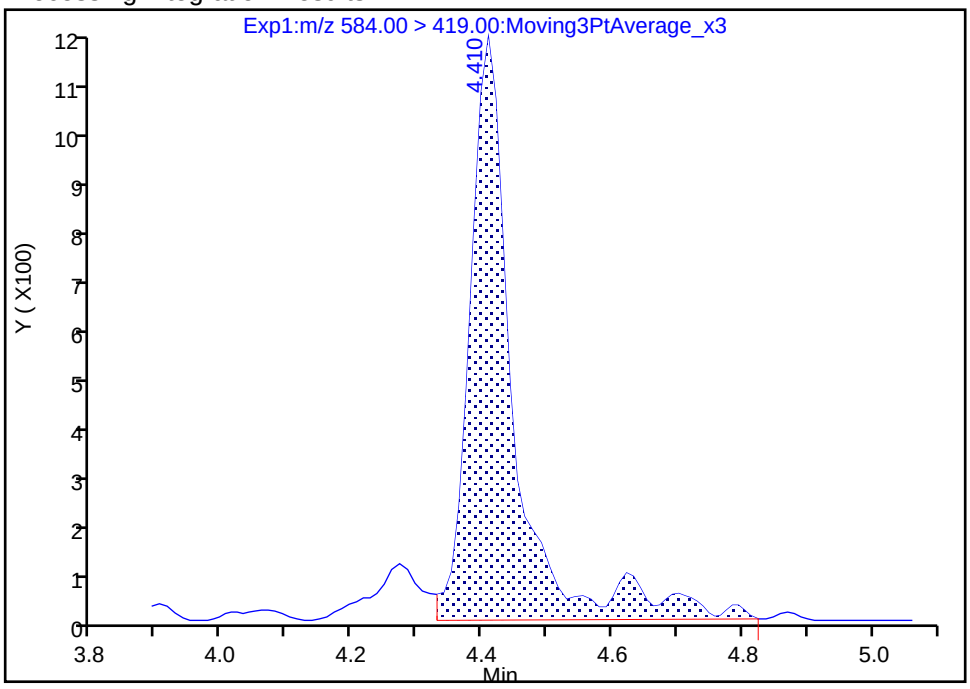
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d				
Injection Date:	03-Aug-2022 13:49:21	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

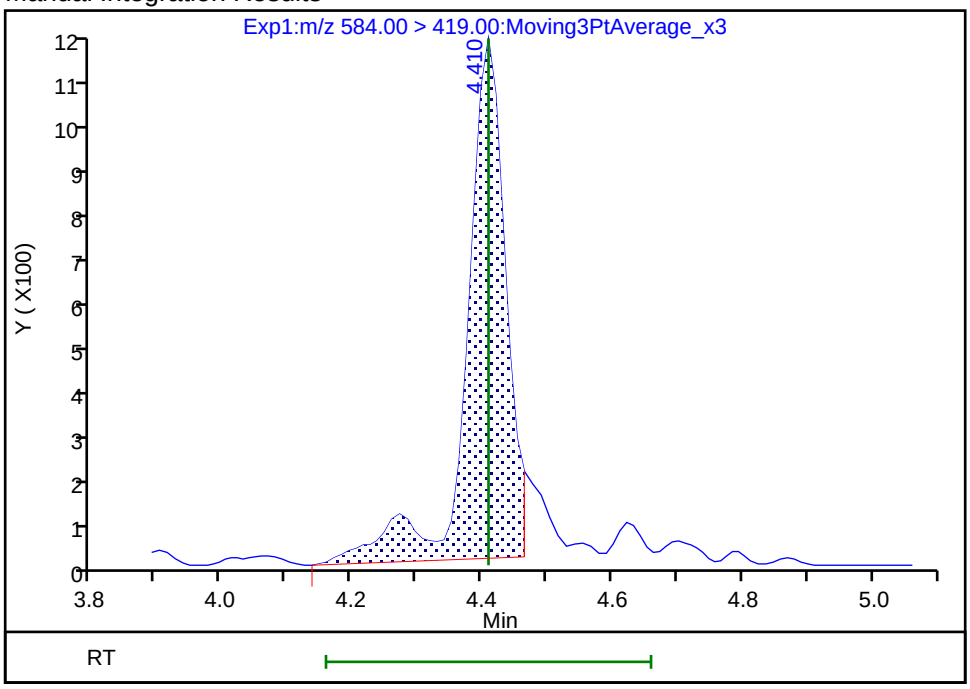
Processing Integration Results

RT: 4.41
Area: 5664
Amount: 0.038806
Amount Units: ng/ml



Manual Integration Results

RT: 4.41
Area: 4914
Amount: 0.033668
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:21:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

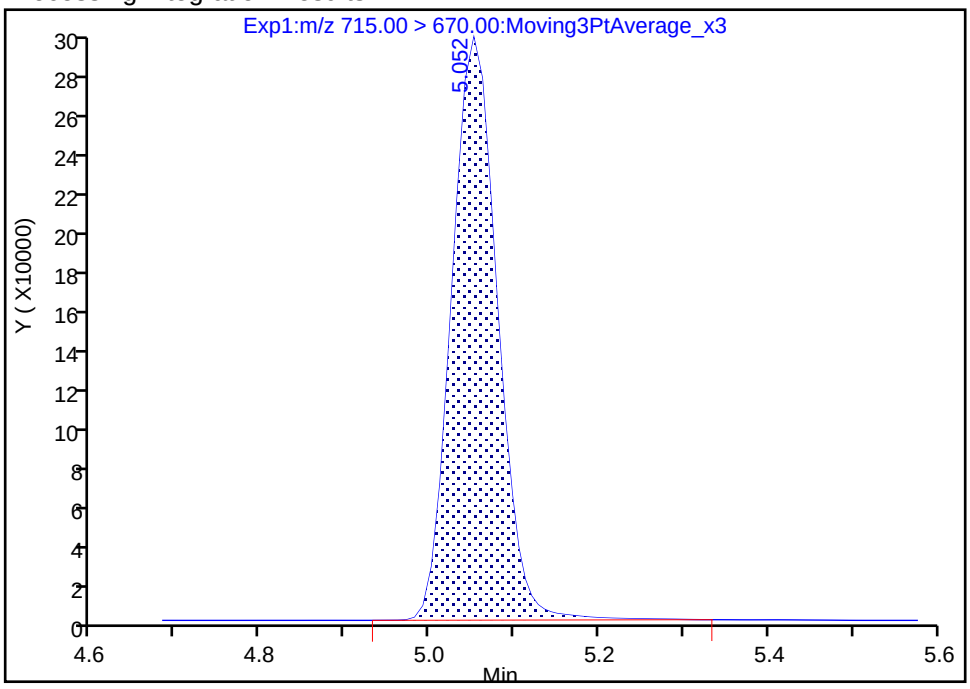
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d				
Injection Date:	03-Aug-2022 13:49:21	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

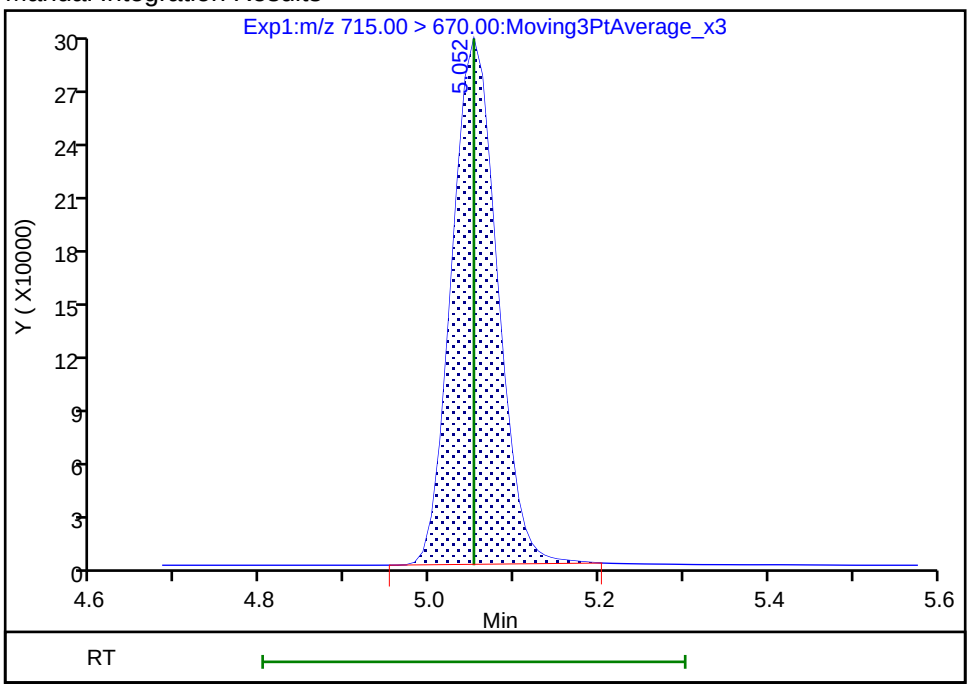
Processing Integration Results

RT: 5.05
Area: 1104105
Amount: 1.285043
Amount Units: ng/ml



Manual Integration Results

RT: 5.05
Area: 1093349
Amount: 1.272525
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:22:11

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

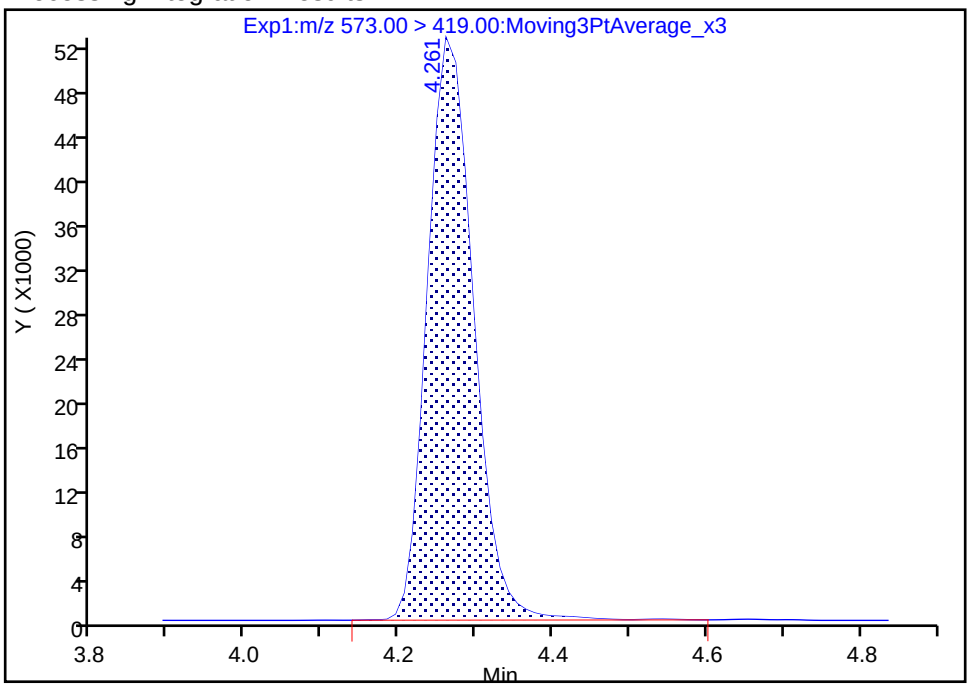
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

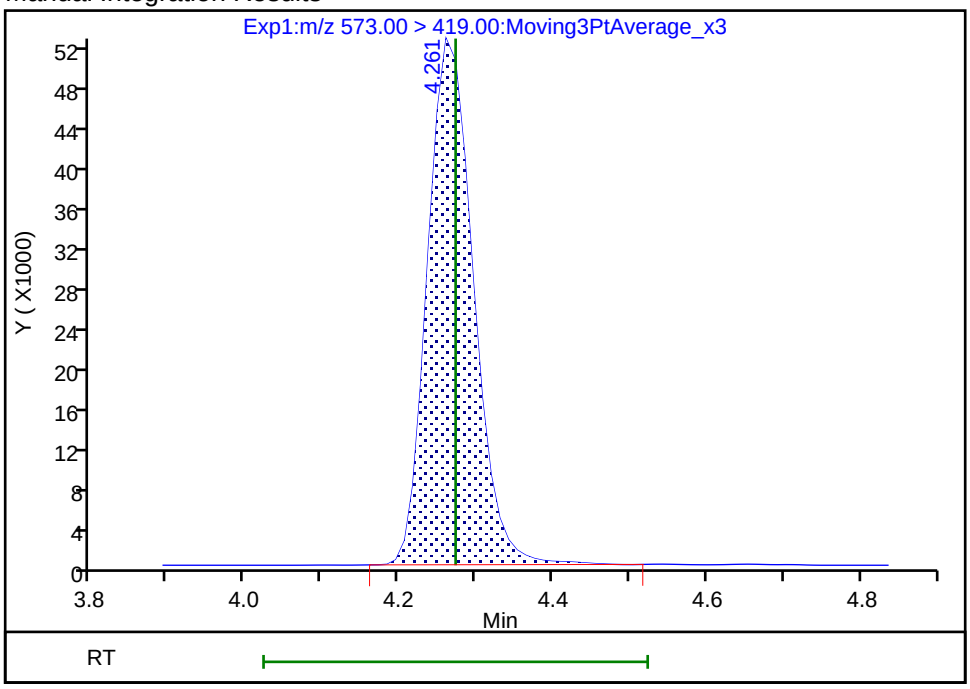
Processing Integration Results

RT: 4.26
Area: 219489
Amount: 1.223294
Amount Units: ng/ml



Manual Integration Results

RT: 4.26
Area: 218608
Amount: 1.218384
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:21:17
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

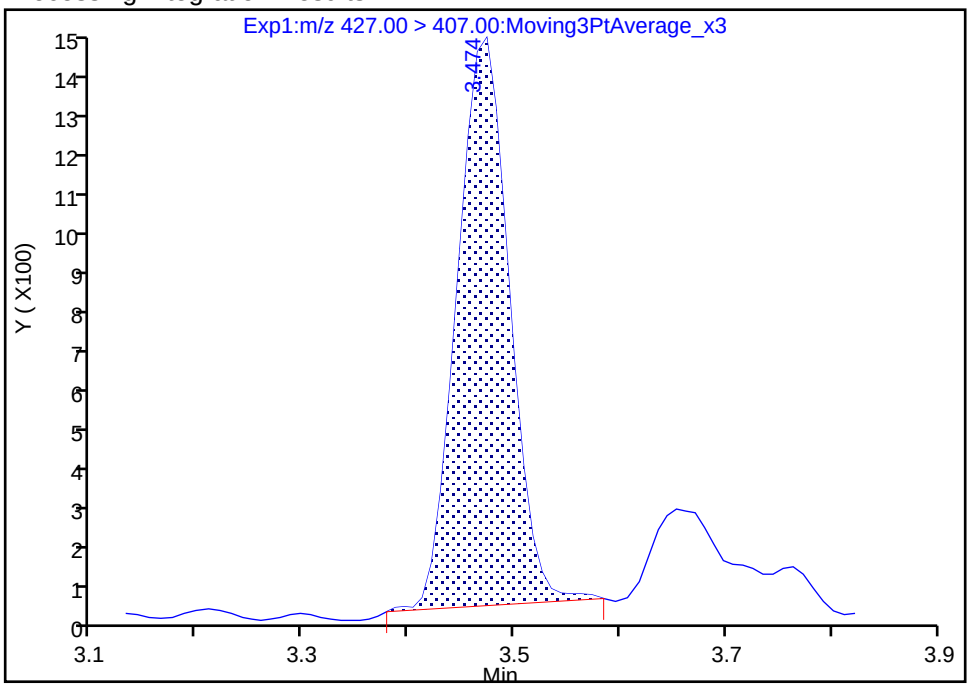
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d				
Injection Date:	03-Aug-2022 13:49:21	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

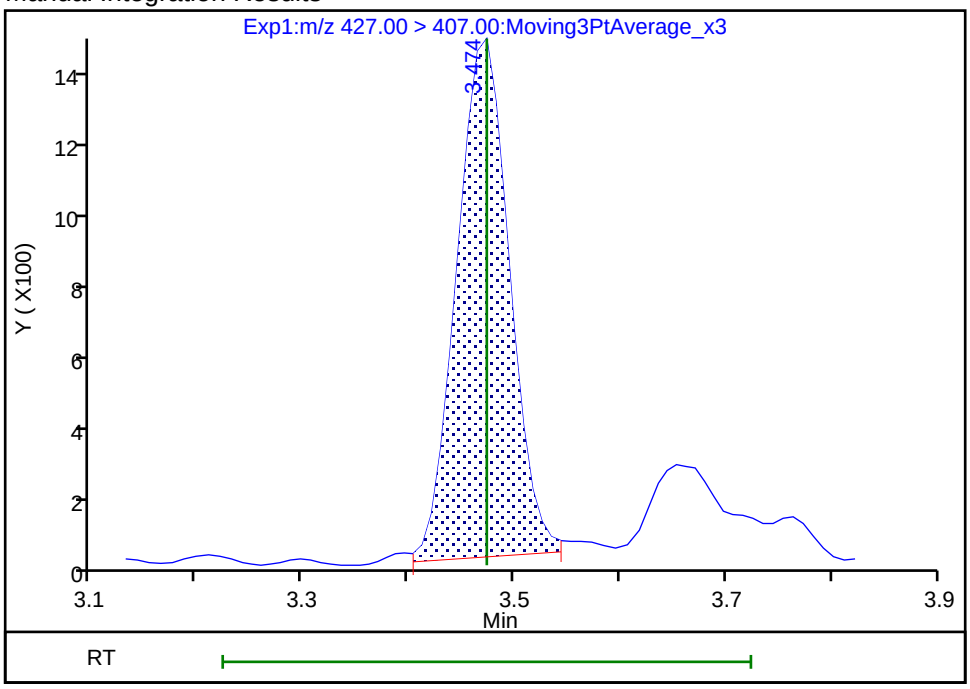
Processing Integration Results

RT: 3.47
Area: 4745
Amount: 0.002733
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 4816
Amount: 0.003025
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:18:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

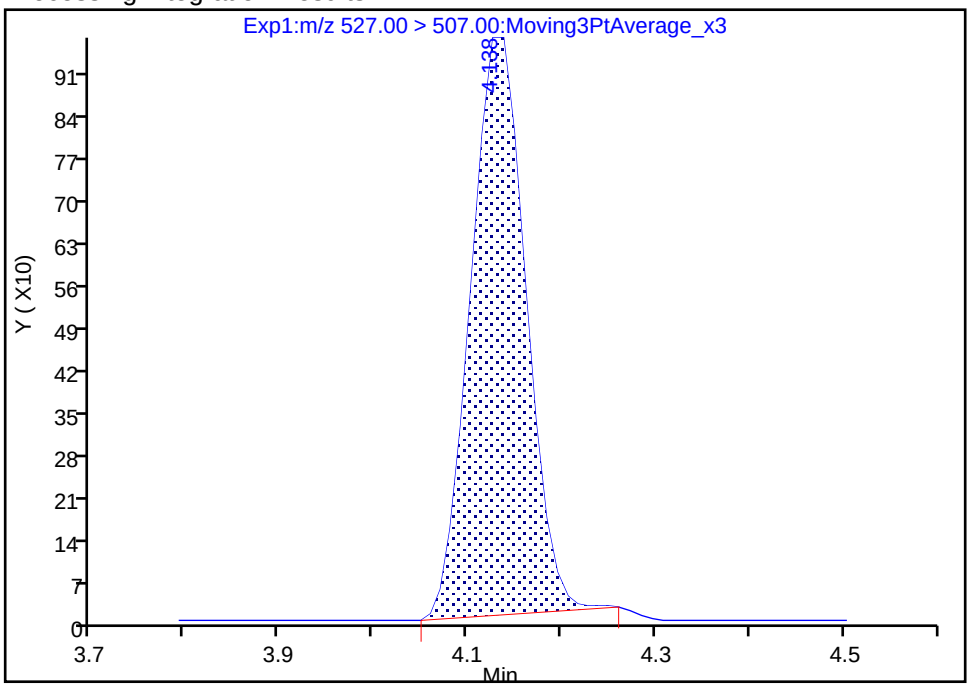
Data File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d
Injection Date: 03-Aug-2022 13:49:21 Instrument ID: LC812
Lims ID: ICB
Client ID:
Operator ID: lc812tech ALS Bottle#: 8 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

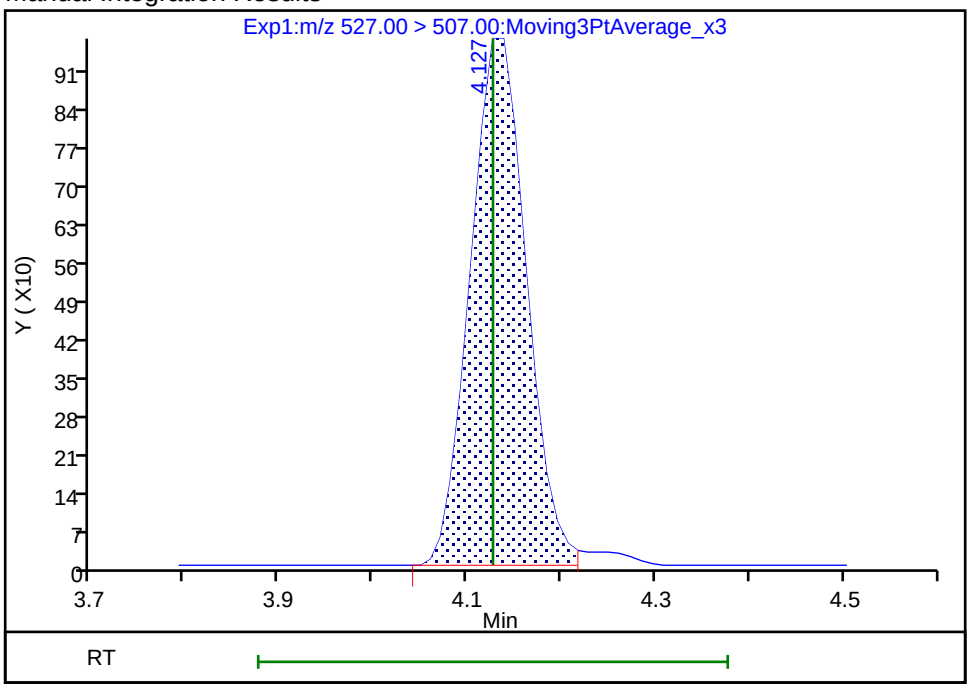
Processing Integration Results

RT: 4.14
Area: 3905
Amount: 0.019460
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 3981
Amount: 0.019839
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:20:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

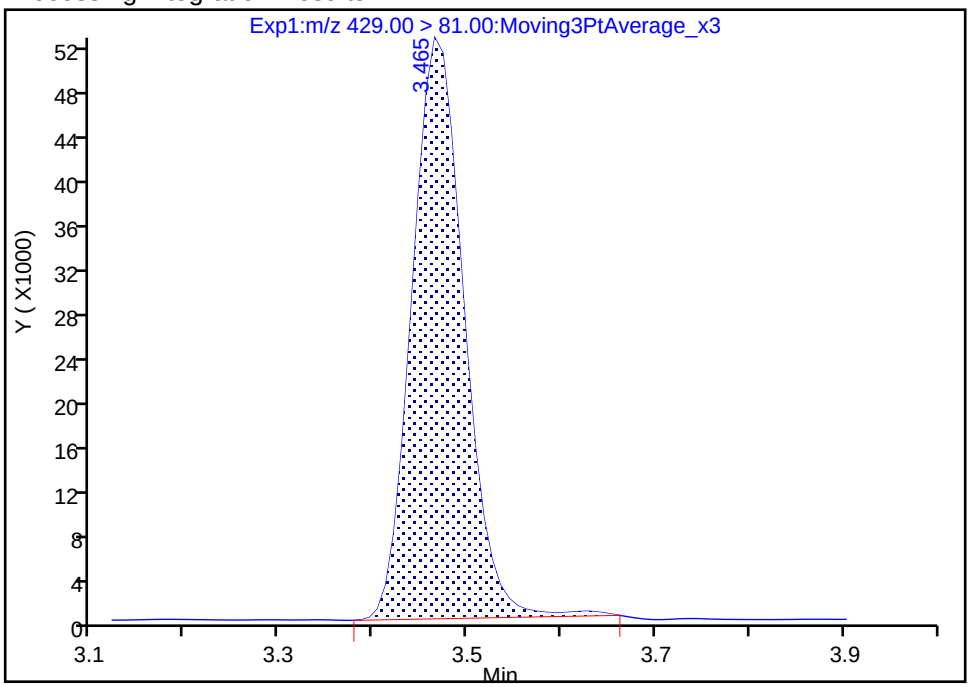
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d				
Injection Date:	03-Aug-2022 13:49:21	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 12 M2-6:2 FTS, CAS: STL02279

Signal: 1

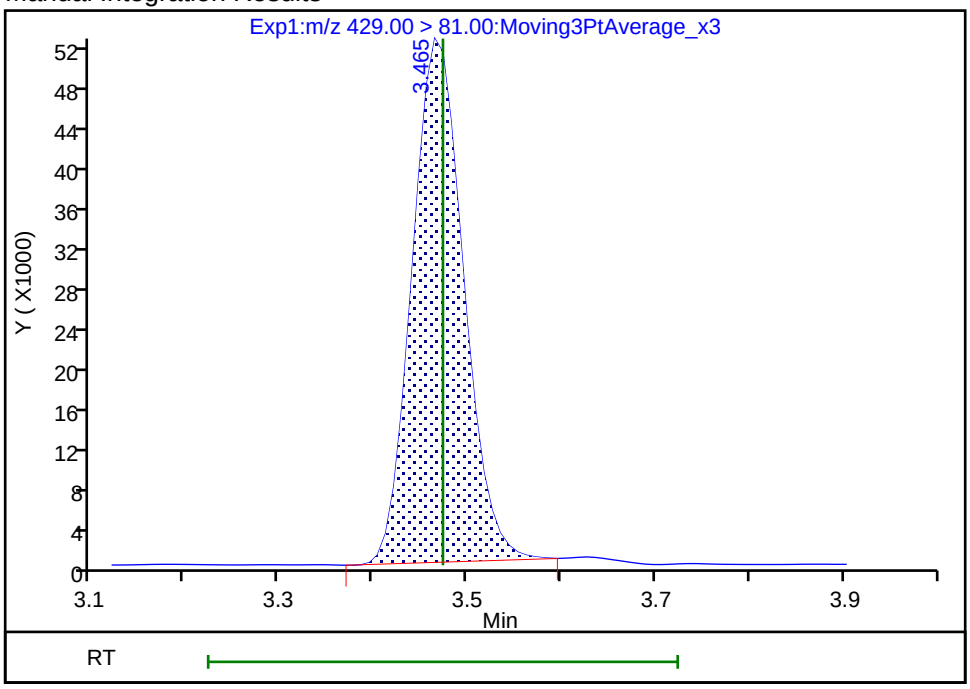
Processing Integration Results

RT: 3.46
Area: 201424
Amount: 1.184406
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 197884
Amount: 1.163590
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:17:59

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

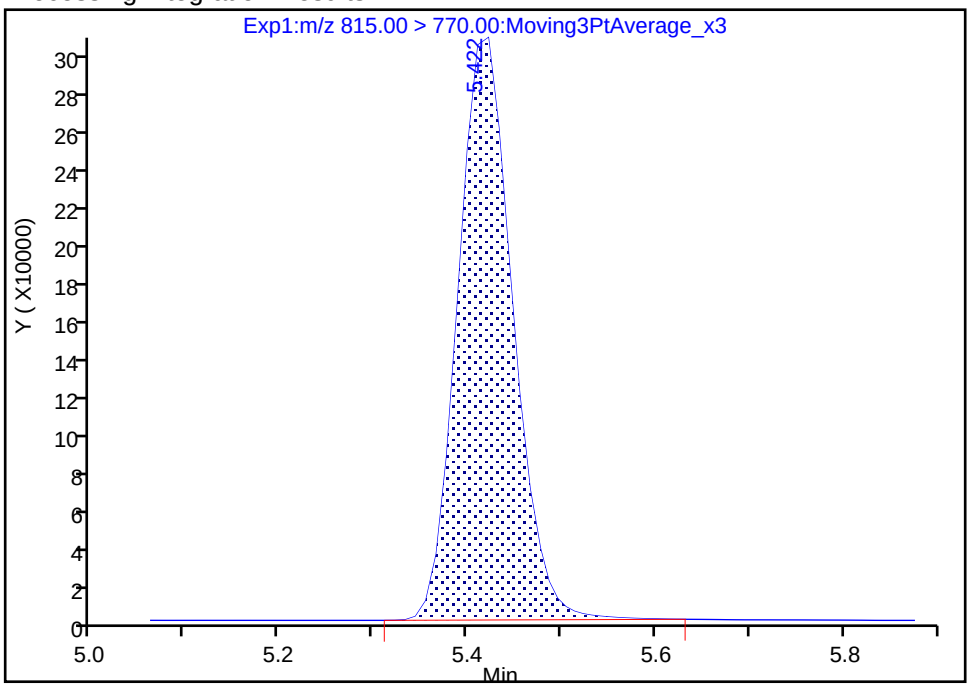
Data File:	\\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL11.d				
Injection Date:	03-Aug-2022 13:49:21	Instrument ID:	LC812		
Lims ID:	ICB				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	8	Worklist Smp#:	11
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 44 13C2 PFHxDA, CAS: STL02115

Signal: 1

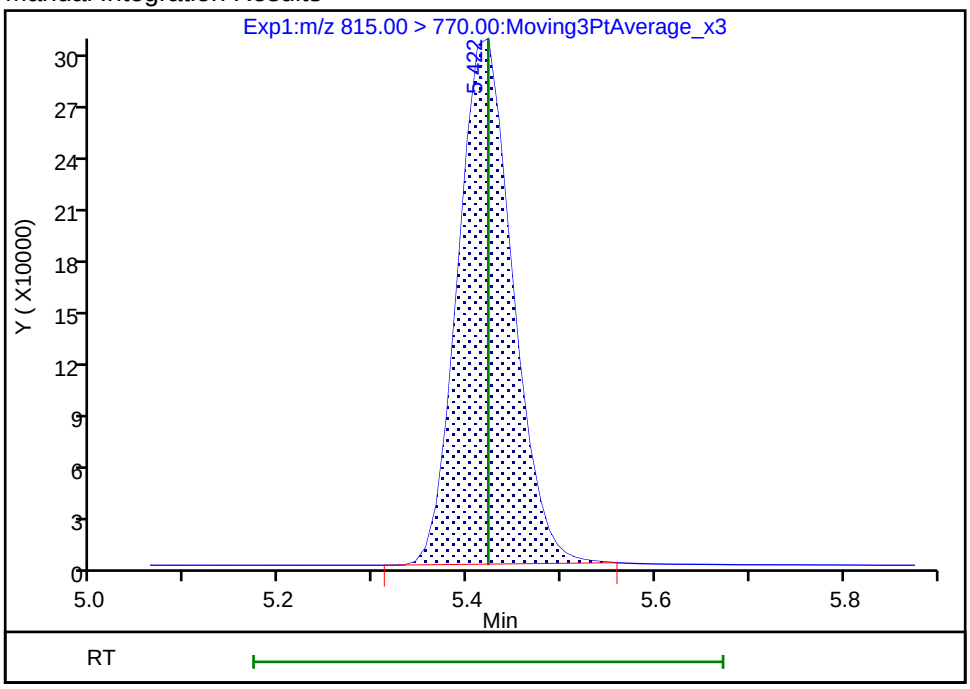
Processing Integration Results

RT: 5.42
Area: 1229467
Amount: 1.256183
Amount Units: ng/ml



Manual Integration Results

RT: 5.42
Area: 1220279
Amount: 1.246795
Amount Units: ng/ml



Reviewer: Z1IP, 03-Aug-2022 15:22:17

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 460-262897-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 200-182317/2-A

Matrix: Solid | Lab File ID: PA220804B03.d

Analysis Method: 537 (modified) | Date Collected:

Extraction Method: SHAKE | Date Extracted: 08/03/2022 11:39

Sample wt/vol: 5.00(g) | Date Analyzed: 08/04/2022 14:17

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.: 182375 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	2.034		0.50	0.33
2706-90-3	Perfluoropentanoic acid (PFPeA)	2.265		0.20	0.055
307-24-4	Perfluorohexanoic acid (PFHxA)	2.134		0.20	0.046
375-85-9	Perfluoroheptanoic acid (PFHpA)	2.174		0.20	0.039
335-67-1	Perfluorooctanoic acid (PFOA)	2.062		0.20	0.058
375-95-1	Perfluorononanoic acid (PFNA)	2.106		0.20	0.034
335-76-2	Perfluorodecanoic acid (PFDA)	2.094		0.20	0.028
2058-94-8	Perfluoroundecanoic acid (PFUnA)	2.250		0.20	0.027
307-55-1	Perfluorododecanoic acid (PFDoA)	2.137		0.20	0.025
72629-94-8	Perfluorotridecanoic acid (PFTriA)	2.076		0.20	0.025
376-06-7	Perfluorotetradecanoic acid (PFTeA)	2.013		0.20	0.026
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.815		0.20	0.033
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	1.916		0.20	0.041
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	2.122		0.20	0.023
335-77-3	Perfluorodecanesulfonic acid (PFDS)	1.795		0.20	0.019
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	2.031		0.20	0.11
754-91-6	Perfluorooctanesulfonamide (FOSA)	2.137		0.20	0.034
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.165		2.00	0.11
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.955	J	2.00	0.083
27619-97-2	6:2 FTS	2.121		2.00	0.057
39108-34-4	8:2 FTS	2.064		2.00	0.037

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-182317/2-A

Matrix: Solid Lab File ID: PA220804B03.d

Analysis Method: 537 (modified) Date Collected:

Extraction Method: SHAKE Date Extracted: 08/03/2022 11:39

Sample wt/vol: 5.00(g) Date Analyzed: 08/04/2022 14:17

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.: 182375 Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL01892	13C4 PFHpA	94		50-150
STL00990	13C4 PFOA	96		50-150
STL00995	13C5 PFNA	92		50-150
STL00992	13C4 PFBA	95		50-150
STL00993	13C2 PFHxA	95		50-150
STL00996	13C2 PFDA	90		50-150
STL00997	13C2 PFUnA	85		50-150
STL00994	18O2 PFHxS	90		50-150
STL00998	13C2 PFDoA	83		50-150
STL00991	13C4 PFOS	87		50-150
STL01056	13C8 FOSA	80		50-150
STL01893	13C5 PFPeA	93		50-150
STL02116	13C2 PFTeDA	84		50-150
STL02118	d3-NMeFOSAA	71		50-150
STL02117	d5-NEtFOSAA	75		50-150
STL02279	M2-6:2 FTS	91		50-150
STL02337	13C3 PFBS	92		50-150
STL02280	M2-8:2 FTS	92		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B03.d
Lims ID: LCS 200-182317/2-A
Client ID:
Sample Type: LCS
Inject. Date: 04-Aug-2022 14:17:31 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: LCS 200-182317/2-A
Misc. Info.: 200-0051959-003 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 05-Aug-2022 12:53:58 Calib Date: 03-Aug-2022 13:41:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1640

First Level Reviewer: nampitakw Date: 05-Aug-2022 10:31:25
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										
217.00 > 172.00	2.067	2.076	-0.009	0.597	1798086	1.19		95.5	8113	
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.076	2.085	-0.009	1.004	1418768	1.02		102	157	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.373	2.400	-0.027	0.685	1345984	1.16		92.9	2857	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.386	2.400	-0.014	1.006	1256919	1.13		113	48.2	
D 47 13C3 PFBS										M
301.90 > 80.00	2.400	2.413	-0.013	0.693	1427824	1.06		91.6	153859	M
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.400	2.413	-0.013	1.000	1230709	0.9077	Target=2.23	103	1268	
298.90 > 99.00	2.400	2.413	-0.013	1.000	568145		2.17(1.11-3.34)		384	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.689	2.713	-0.024	0.776	129920	1.13		96.4	118	M
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.701	2.713	-0.012	1.005	259765	0.9821		105	1431	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.737	2.750	-0.013	1.000	1227777	1.07	Target=12.24	107	242	M
313.00 > 119.00	2.737	2.750	-0.013	1.000	94061		13.05(6.12-18.36)		144	
D 7 13C2 PFHxA										M
315.00 > 270.00	2.737	2.750	-0.013	0.790	1378558	1.19		95.3	2960	M
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.737	2.750	-0.013	0.883	1095914	0.99	Target=2.95	106	1002	M
349.00 > 99.00	2.737	2.750	-0.013	0.883	367819		2.98(1.48-4.43)		717	
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.847	2.859	-0.012	0.822	246189	1.13		90.4	1144	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										
285.00 > 169.00	2.847	2.859	-0.012	1.000	228047	1.08		108	1254	
D 11 18O2 PFHxS										
403.00 > 84.00	3.098	3.110	-0.012	0.895	1007986	1.07		90.4	2618	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.098	3.110	-0.012	1.000	900720	0.9580	Target=3.43	105	860	M
399.00 > 99.00	3.098	3.110	-0.012	1.000	257243		3.50(1.72-5.15)		312	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.098	3.121	-0.023	0.895	1410416	1.18		94.0	2202	
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.098	3.121	-0.023	1.000	1264214	1.09	Target=3.73	109	319	
363.00 > 169.00	3.110	3.121	-0.011	1.004	338208		3.74(1.86-5.59)		580	M
77 DONA										M
377.00 > 251.00	3.143	3.154	-0.011	0.831	2781118	1.11	Target=2.84	117	1791	M
377.00 > 85.00	3.143	3.154	-0.011	0.831	1002697		2.77(1.42-4.26)		1107	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.446	3.465	-0.019	0.995	171435	1.09		91.5	429	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.446	3.465	-0.019	1.000	226674	1.06		112	716	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.446	3.465	-0.019	0.911	800910	1.06	Target=4.89	111	1942	M
449.00 > 99.00	3.446	3.465	-0.019	0.911	158865		5.04(2.44-7.33)		546	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.464	3.474	-0.010	1.000	1365511	1.03	Target=2.67	103	167	
413.00 > 169.00	3.464	3.474	-0.010	1.000	515832		2.65(1.34-4.01)		613	M
D 14 13C4 PFOA										M
417.00 > 372.00	3.464	3.474	-0.010	1.000	1476434	1.20		96.0	2628	M
* 62 13C2 PFOA										
415.00 > 370.00	3.464	3.474	-0.010		1613813	1.25			3954	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.782	3.792	-0.010	1.000	628175	1.02	Target=4.88	109	337	M
499.00 > 99.00	3.782	3.792	-0.010	1.000	129319		4.86(2.44-7.32)		411	M
D 18 13C4 PFOS										
503.00 > 80.00	3.782	3.792	-0.010	1.092	729741	1.04		86.7	2045	
20 Perfluorononanoic acid										
463.00 > 419.00	3.801	3.812	-0.011	1.000	1259836	1.05	Target=8.23	105	380	
463.00 > 169.00	3.801	3.812	-0.011	1.000	162620		7.75(4.11-12.34)		1548	
D 19 13C5 PFNA										
468.00 > 423.00	3.801	3.812	-0.011	1.097	1469759	1.15		92.1	4153	
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.950	3.960	-0.010	1.045	1032031	0.9567		103	4101	
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.071	4.093	-0.022	1.076	464977	0.9725	Target=2.53	101	1905	
549.00 > 99.00	4.071	4.093	-0.022	1.076	187291		2.48(1.26-3.79)		783	M
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.104	4.116	-0.012	1.000	1225433	1.05	Target=9.67	105	695	
513.00 > 169.00	4.104	4.116	-0.012	1.000	138829		8.83(4.83-14.50)		602	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 23 13C2 PFDA										
515.00 > 470.00	4.104	4.116	-0.012	1.185	1391087	1.12		89.6	2702	
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.115	4.127	-0.012	1.000	173486	1.03		108	1043	
D 26 M2-8:2 FTS										
529.00 > 81.00	4.115	4.127	-0.012	1.188	208512	1.10		91.7	633	
D 21 13C8 FOSA										
506.00 > 78.00	4.150	4.161	-0.011	1.198	1089626	1.00		80.2	1654	
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.150	4.161	-0.011	1.000	949327	1.07		107	1534	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.249	4.261	-0.012	1.000	114097	1.08		108	300	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.249	4.261	-0.012	1.227	148358	0.8908		71.3	381	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.353	4.365	-0.012	1.151	319338	0.8975	Target=2.80	93.1	1365	
599.00 > 99.00	4.342	4.365	-0.023	1.148	126340		2.53(1.40-4.20)		987	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.376	4.387	-0.011	1.263	1002548	1.06		85.2	1289	M
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.376	4.387	-0.011	1.000	955840	1.12	Target=9.07	112	726	M
563.00 > 169.00	4.376	4.387	-0.011	1.000	105740		9.04(4.54-13.61)		963	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.387	4.399	-0.012	1.000	105165	0.9776		97.8	632	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.387	4.399	-0.012	1.267	148103	0.9395		75.2	807	
66 11-Chloroeicosafluoro-3-oxaundec										
631.00 > 451.00	4.478	4.491	-0.013	1.184	1195412	0.8514		90.4	4080	
D 36 13C2 PFDoA										
615.00 > 570.00	4.612	4.633	-0.021	1.331	1014654	1.04		83.2	2038	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.622	4.633	-0.011	1.002	879490	1.07	Target=6.97	107	165	
613.00 > 169.00	4.612	4.633	-0.021	1.000	135555		6.49(3.48-10.45)		601	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.633	4.654	-0.021	1.126	71744	0.9133		94.7	643	M
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.803	4.813	-0.010	1.270	127812	0.8091	Target=0.52	83.6	1142	
699.00 > 99.00	4.794	4.813	-0.019	1.268	238785		0.54(0.26-0.79)		1851	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.837	4.859	-0.022	1.049	740579	1.04	Target=4.56	104	161	M
663.00 > 169.00	4.837	4.859	-0.022	1.049	164287		4.51(2.28-6.84)		983	
D 43 13C2 PFTeDA										
715.00 > 670.00	5.042	5.052	-0.010	1.456	834660	1.05		83.7	3577	
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.042	5.052	-0.010	1.000	107648	1.01	Target=0.94	101	1275	
713.00 > 219.00	5.032	5.052	-0.020	0.998	114106		0.94(0.47-1.41)		1341	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	5.411	5.422	-0.011	1.000	761495	1.15	Target=4.38	115	270	
813.00 > 169.00	5.411	5.422	-0.011	1.000	168525		4.52(2.19-6.57)		1055	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.411	5.422	-0.011	1.562	907156	1.00		79.9	3101	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.767	5.795	-0.028	1.066	586101	1.21	Target=4.31	121	196	M
913.00 > 169.00	5.767	5.795	-0.028	1.066	132109		4.44(2.16-6.47)		863	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Report Date: 05-Aug-2022 12:54:08 Chrom Revision: 2.3 04-Aug-2022 18:02:28

Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B03.d

Injection Date: 04-Aug-2022 14:17:31 Instrument ID: LC812

Lims ID: LCS 200-182317/2-A

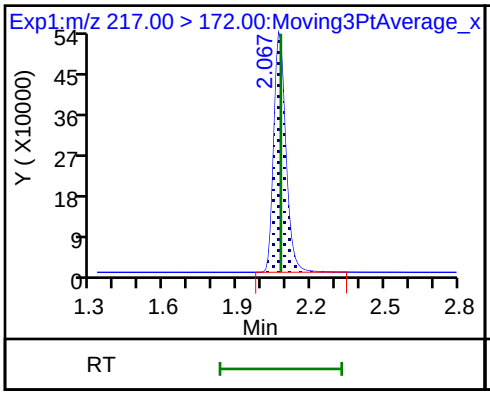
Client ID:

Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3

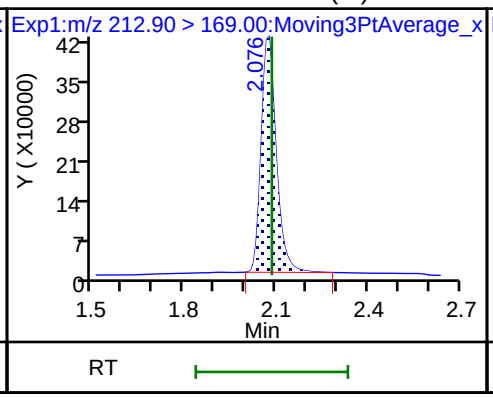
Injection Vol: 20.0 ul Dil. Factor: 1.0000

Method: PFC_LC812 Limit Group: LC_PFC_ICAL

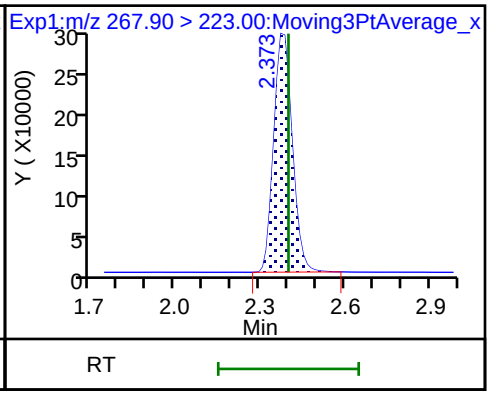
D 1 13C4 PFBA



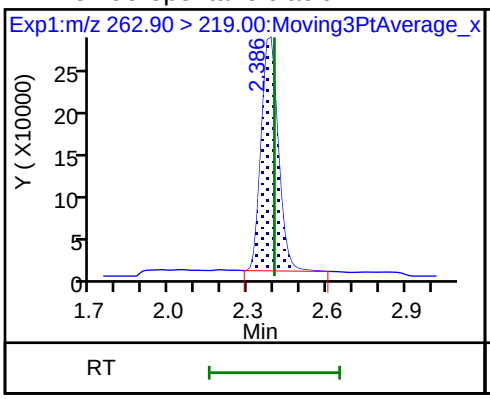
2 Perfluorobutanoic acid (M)



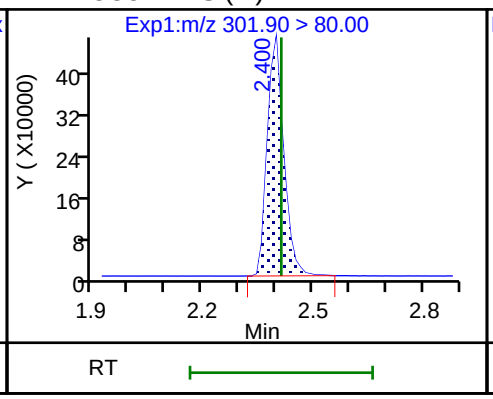
D 3 13C5 PFPeA



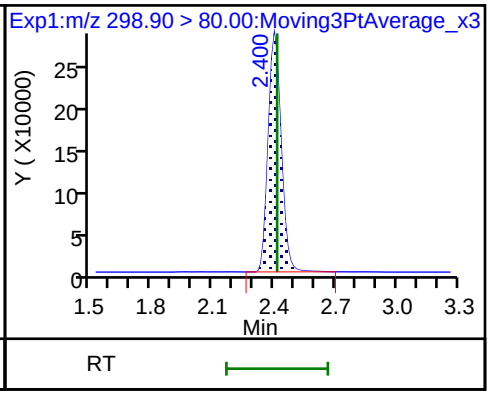
4 Perfluoropentanoic acid



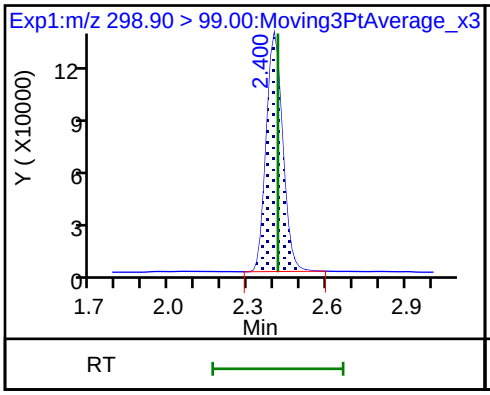
D 47 13C3 PFBS (M)



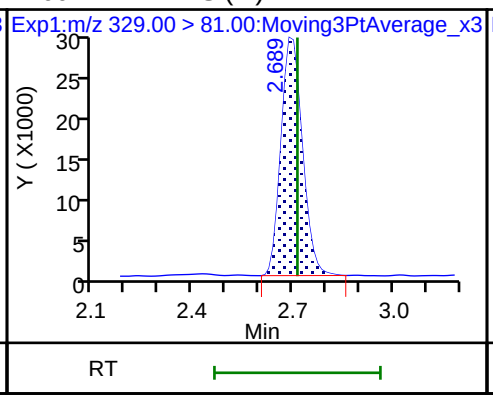
5 Perfluorobutanesulfonic acid



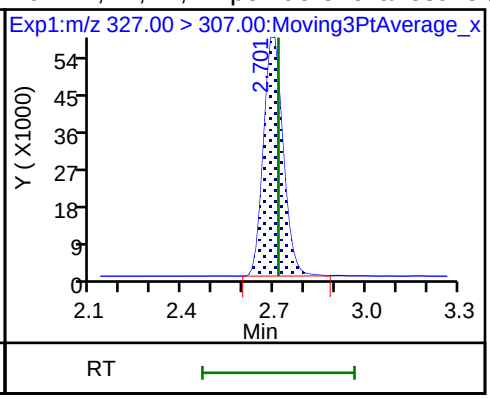
5 Perfluorobutanesulfonic acid



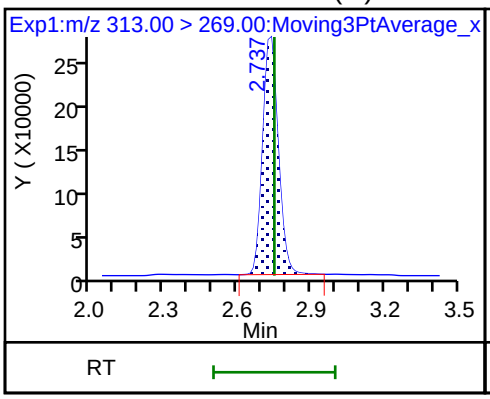
D 60 M2-4:2 FTS (M)



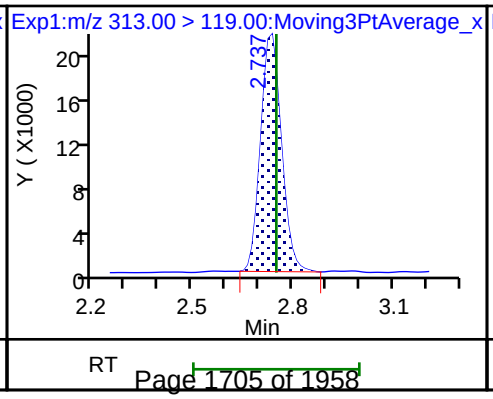
61 1H,1H,2H,2H-perfluorohexanesulfo (M)



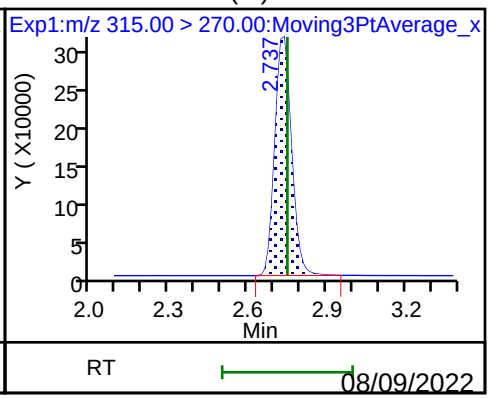
6 Perfluorohexanoic acid (M)



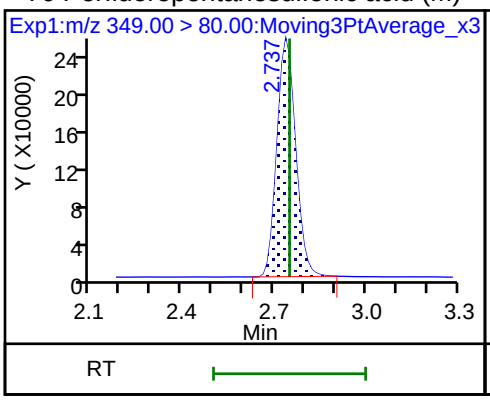
6 Perfluorohexanoic acid



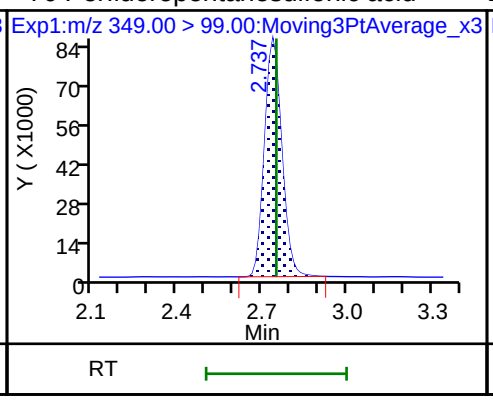
D 7 13C2 PFHxA (M)



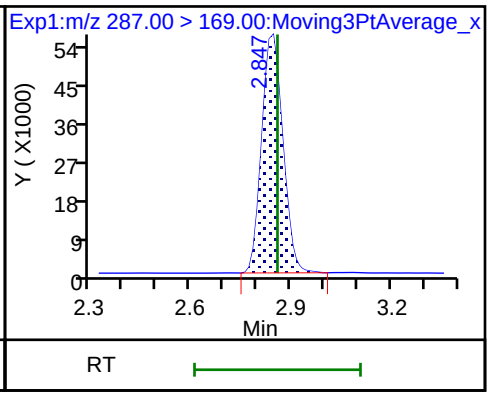
70 Perfluoropentanesulfonic acid (M)



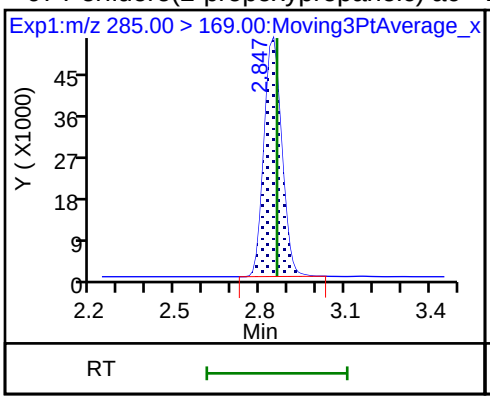
70 Perfluoropentanesulfonic acid



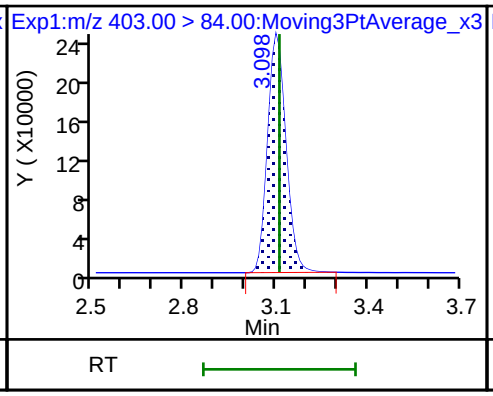
D 64 13C3 HFPO-DA



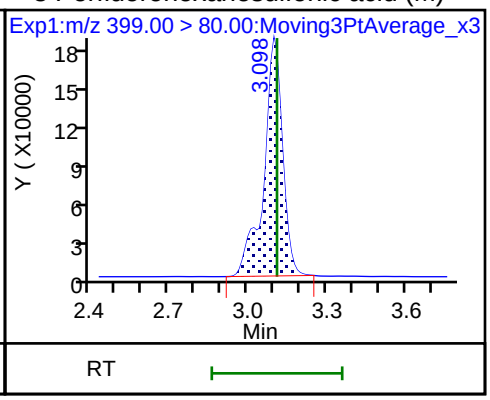
67 Perfluoro(2-propoxypropanoic) ac



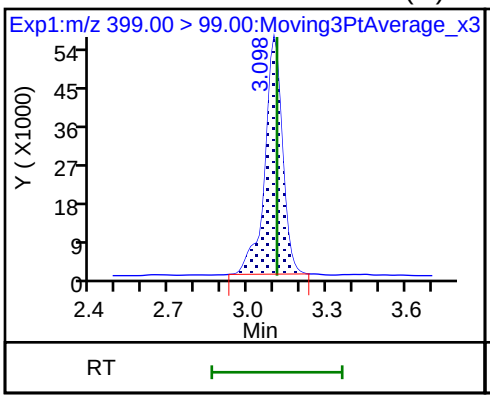
D 11 18O2 PFHxS



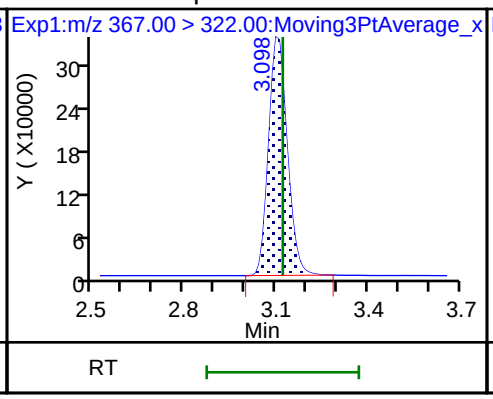
8 Perfluorohexanesulfonic acid (M)



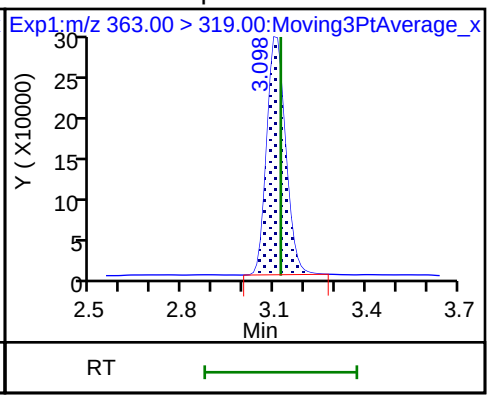
8 Perfluorohexanesulfonic acid (M)



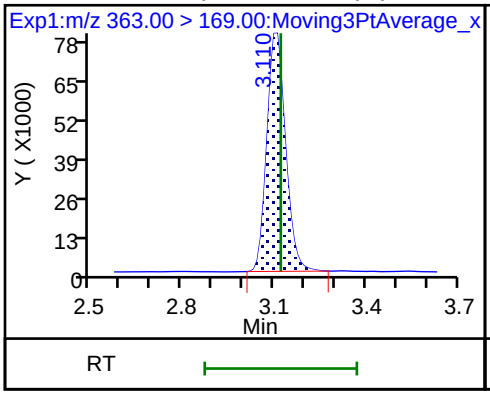
D 9 13C4 PFHpA



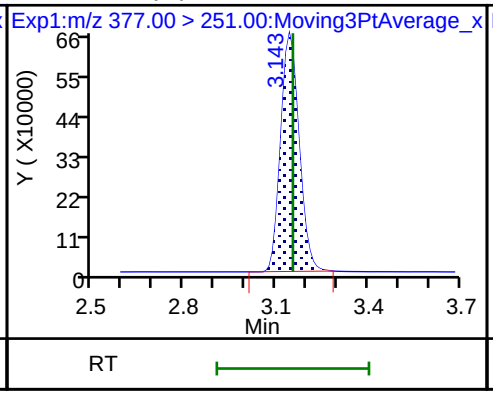
10 Perfluoroheptanoic acid



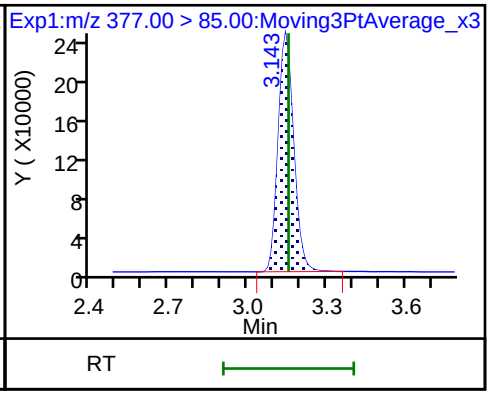
10 Perfluoroheptanoic acid (M)



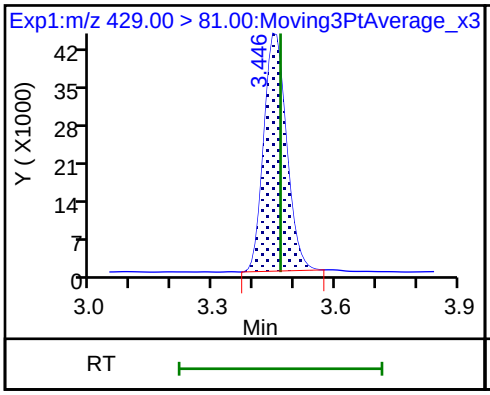
77 DONA (M)



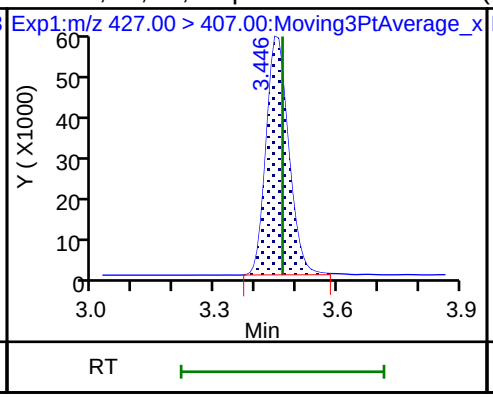
77 DONA



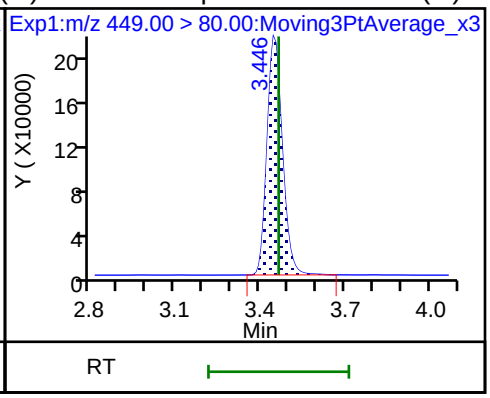
D 12 M2-6:2 FTS



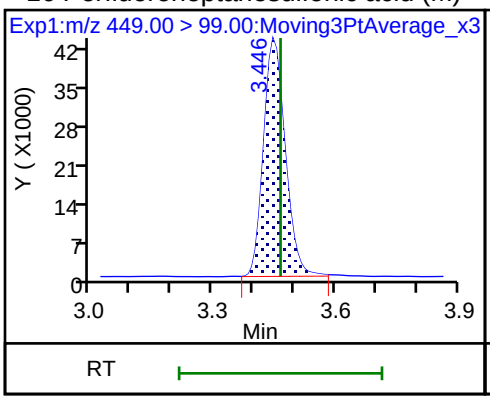
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



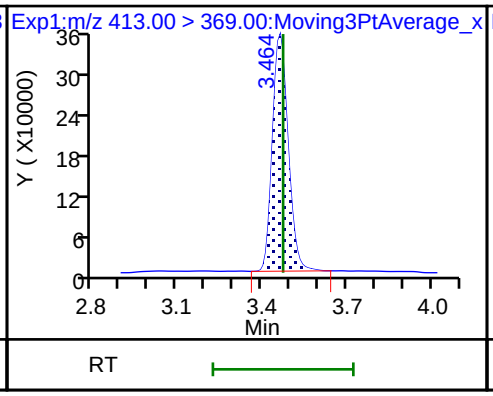
16 Perfluoroheptanesulfonic acid (M)



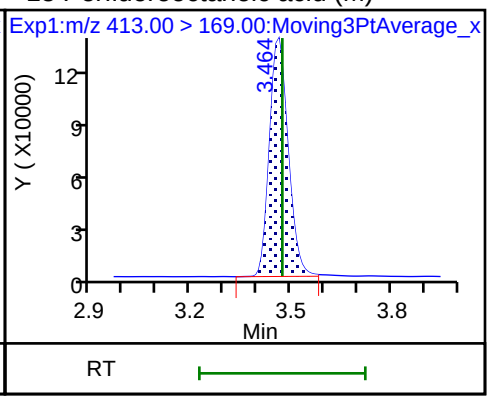
16 Perfluoroheptanesulfonic acid (M)



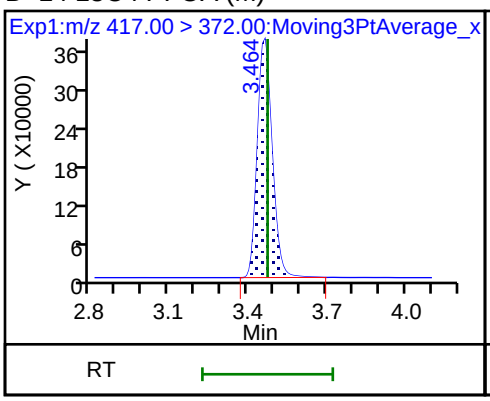
15 Perfluorooctanoic acid



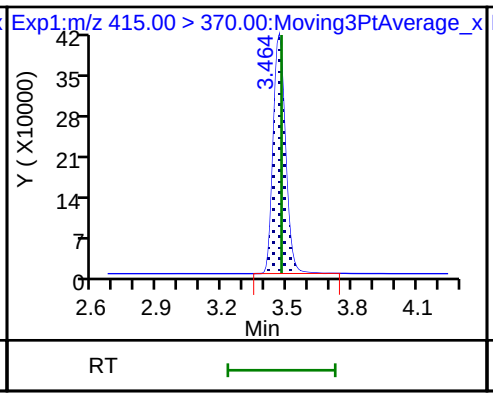
15 Perfluorooctanoic acid (M)



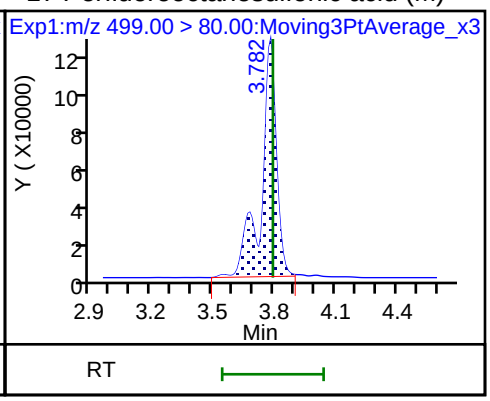
D 14 13C4 PFOA (M)



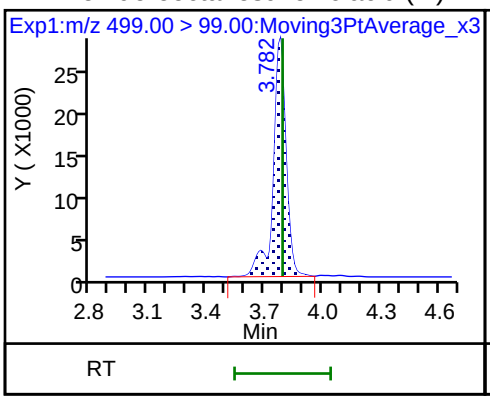
* 62 13C2 PFOA



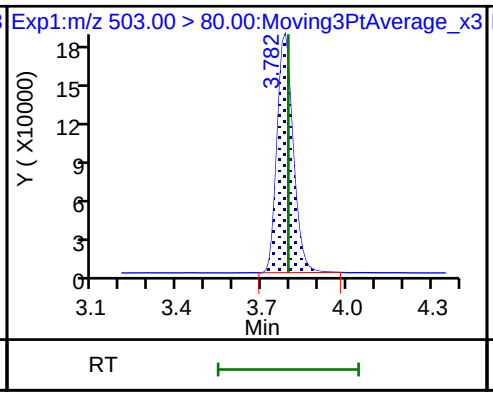
17 Perfluorooctanesulfonic acid (M)



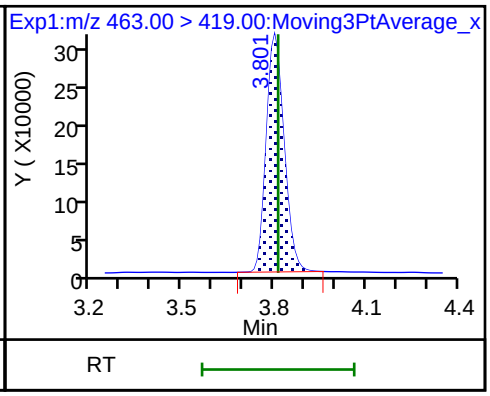
17 Perfluorooctanesulfonic acid (M)



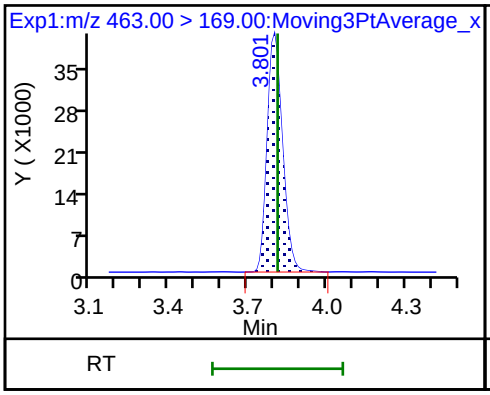
D 18 13C4 PFOS



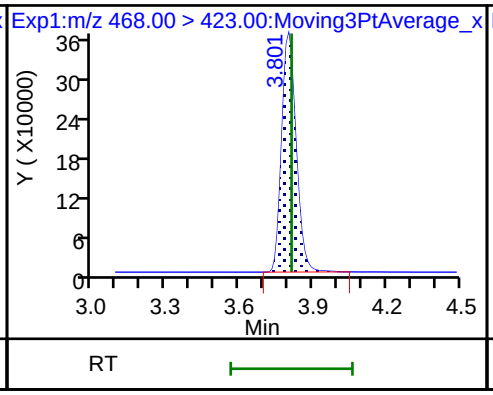
20 Perfluorononanoic acid



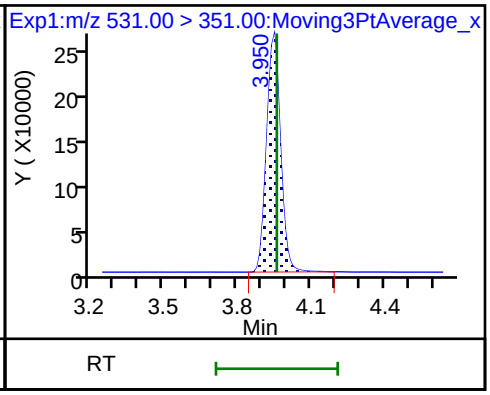
20 Perfluorononanoic acid



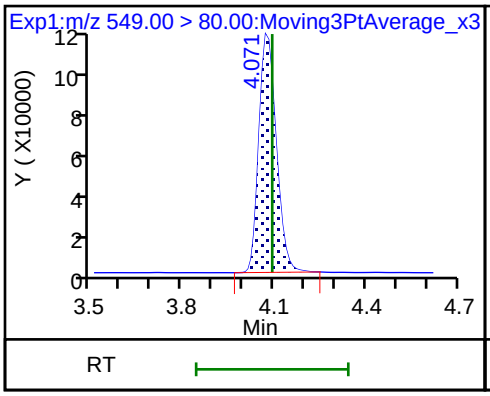
D 19 13C5 PFNA



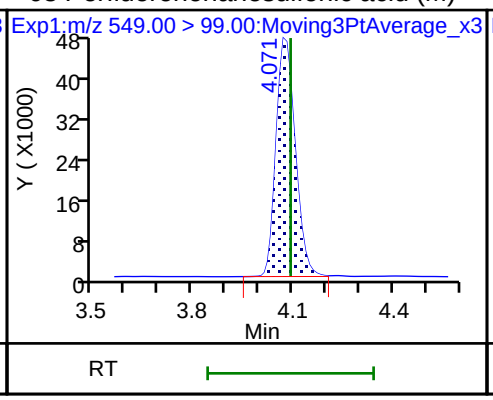
69 9-Chlorohexadecafluoro-3-oxanona



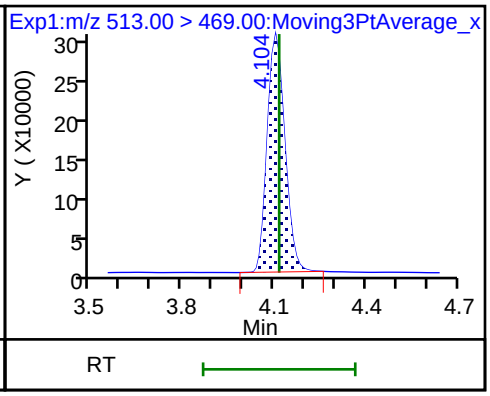
68 Perfluorononanesulfonic acid



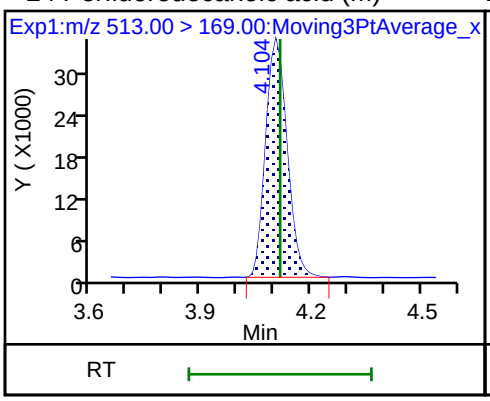
68 Perfluorononanesulfonic acid (M)



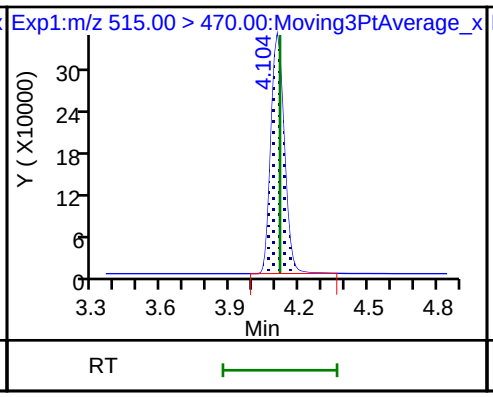
24 Perfluorodecanoic acid



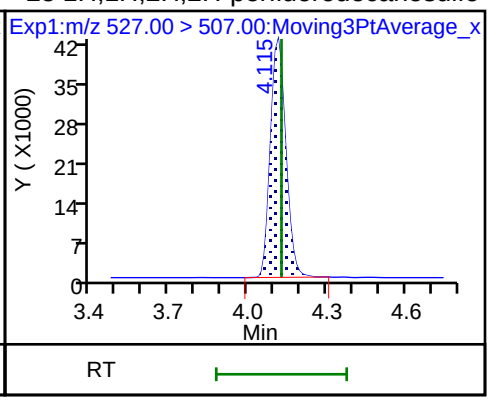
24 Perfluorodecanoic acid (M)



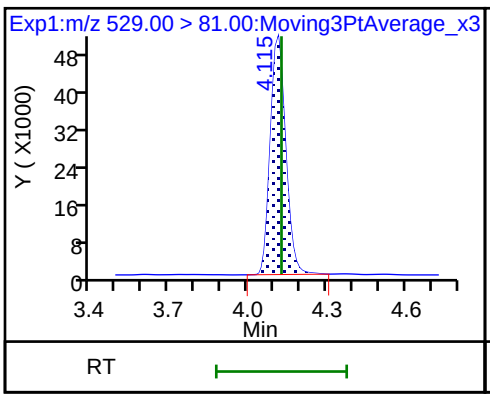
D 23 13C2 PFDA



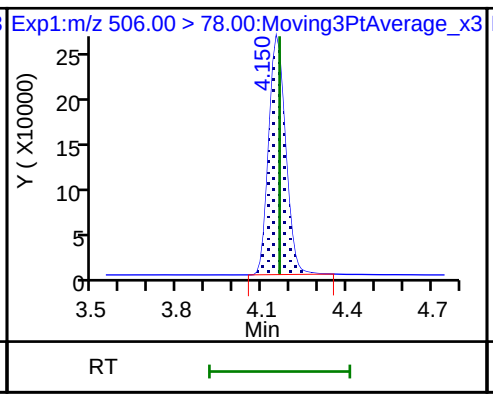
25 1H,1H,2H,2H-perfluorodecanesulfo



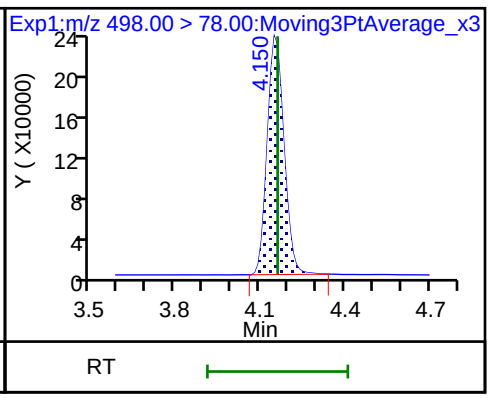
D 26 M2-8:2 FTS



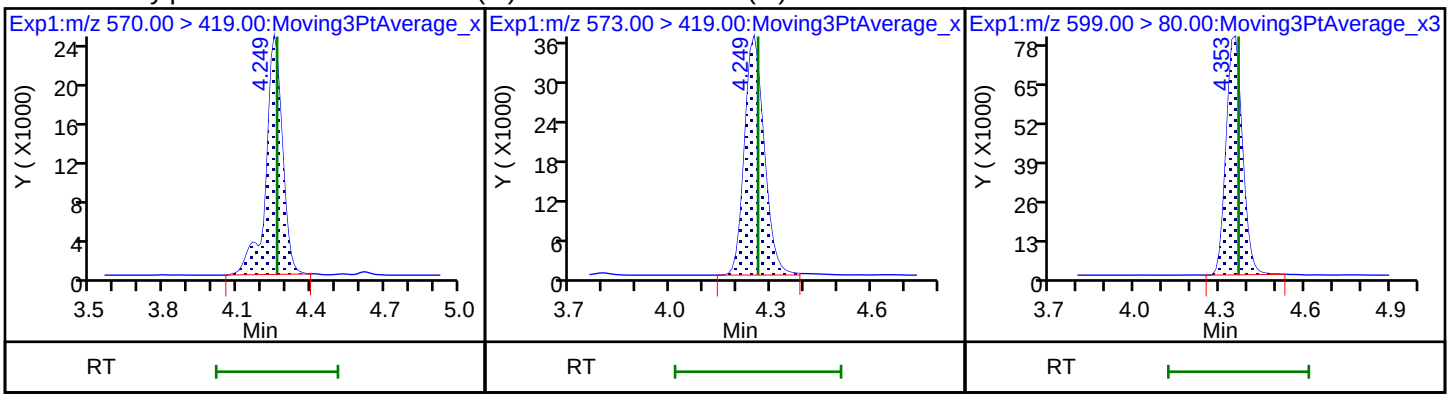
D 21 13C8 FOSA



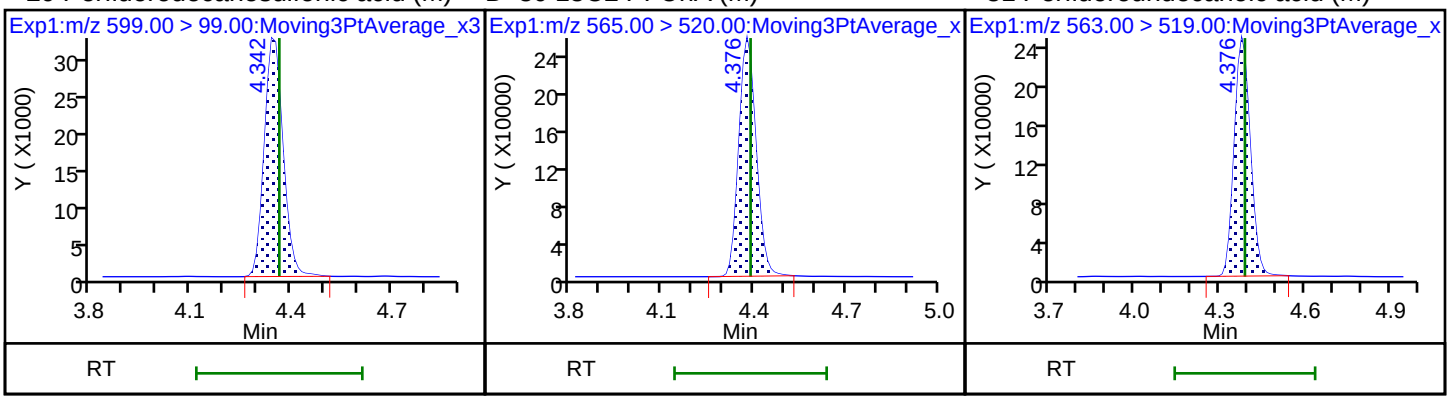
22 Perfluorooctanesulfonamide



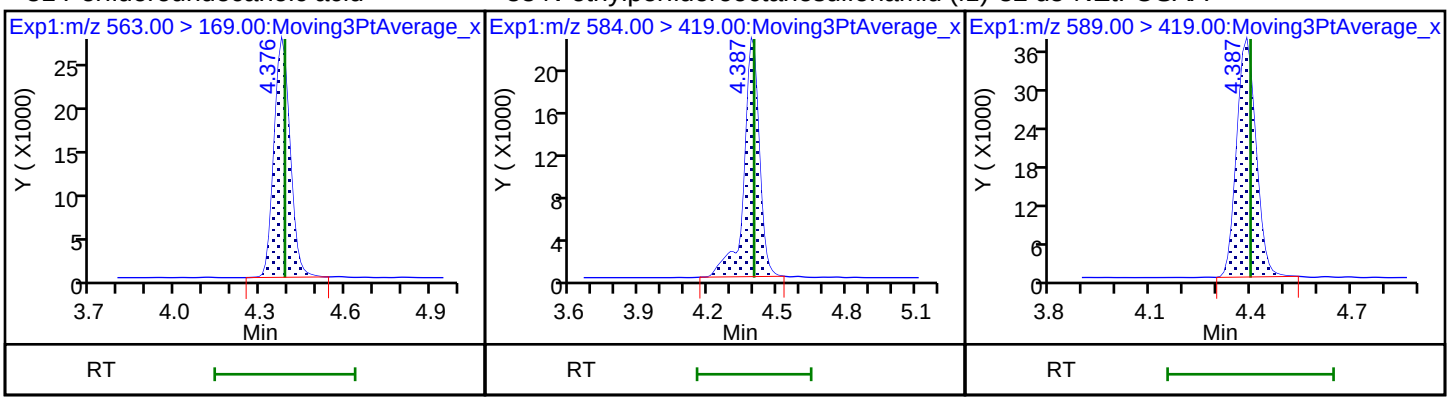
28 N-methylperfluorooctanesulfonami (M) D 27 d3-NMeFOSAA (M) 29 Perfluorodecanesulfonic acid



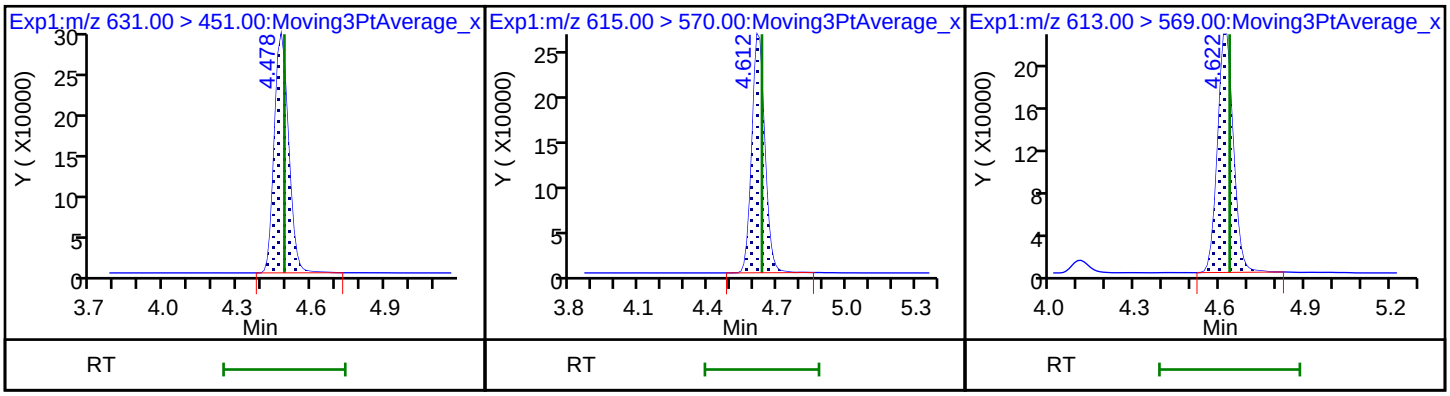
29 Perfluorodecanesulfonic acid (M) D 30 13C2 PFUnA (M) 31 Perfluoroundecanoic acid (M)



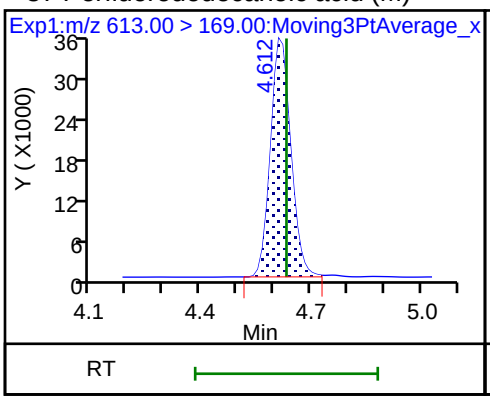
31 Perfluoroundecanoic acid 33 N-ethylperfluorooctanesulfonamid (M) D 32 d5-NEtFOSAA



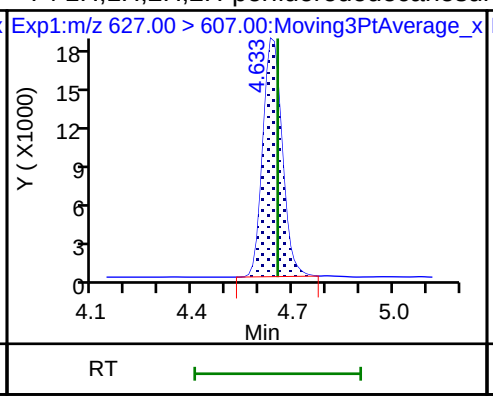
66 11-Chloroeicosafluoro-3-oxaundec D 36 13C2 PFDoA 37 Perfluorododecanoic acid



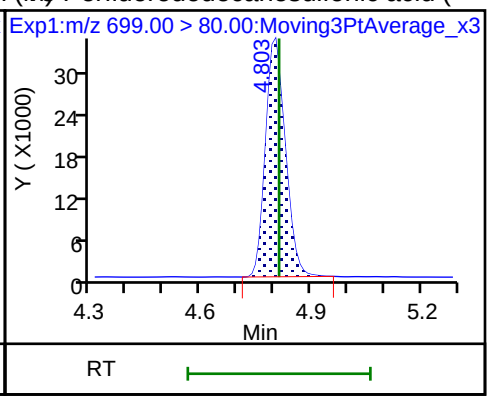
37 Perfluorododecanoic acid (M)



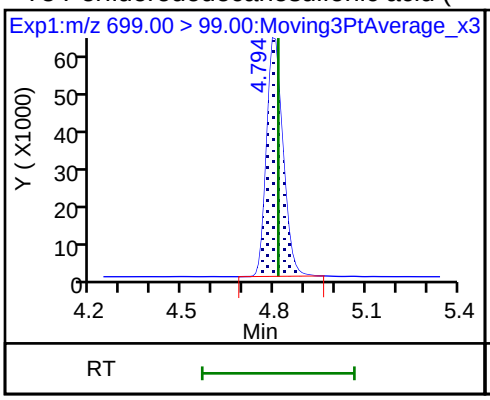
74 1H,1H,2H,2H-perfluorododecanesul (M)



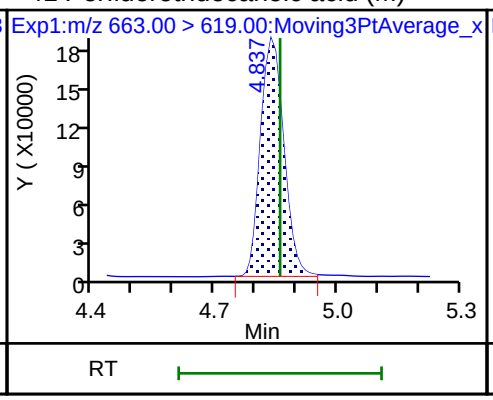
75 Perfluorododecanesulfonic acid (



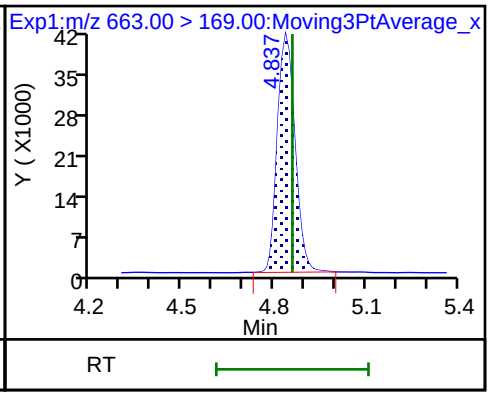
75 Perfluorododecanesulfonic acid (



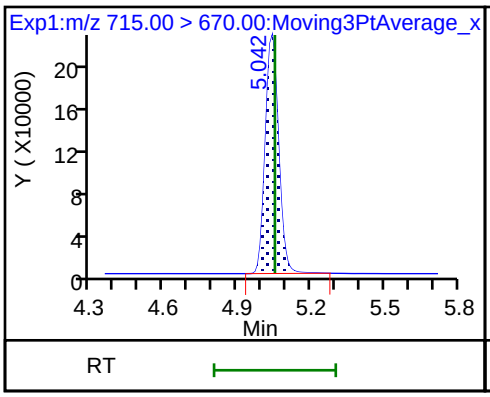
41 Perfluorotridecanoic acid (M)



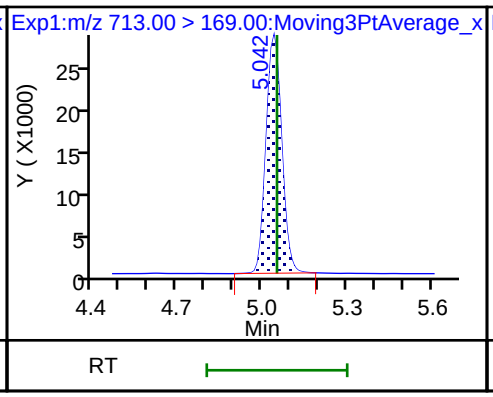
41 Perfluorotridecanoic acid



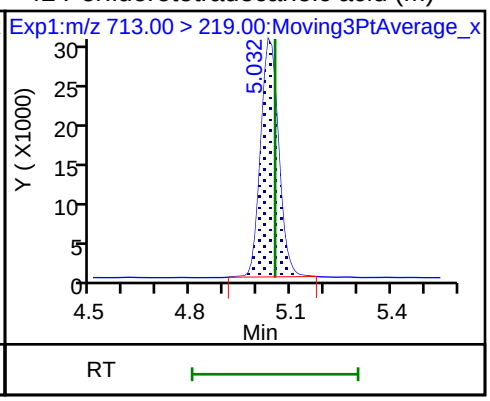
D 43 13C2 PFTeDA



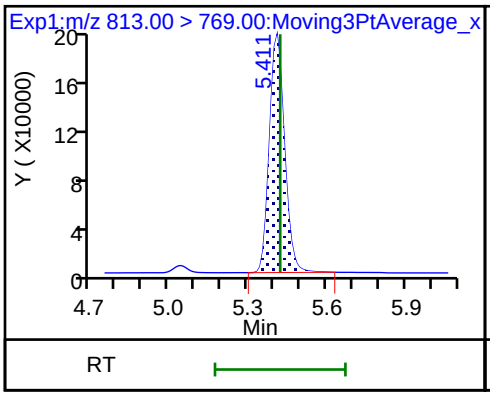
42 Perfluorotetradecanoic acid



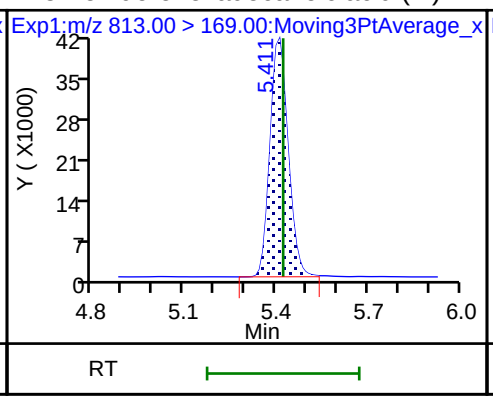
42 Perfluorotetradecanoic acid (M)



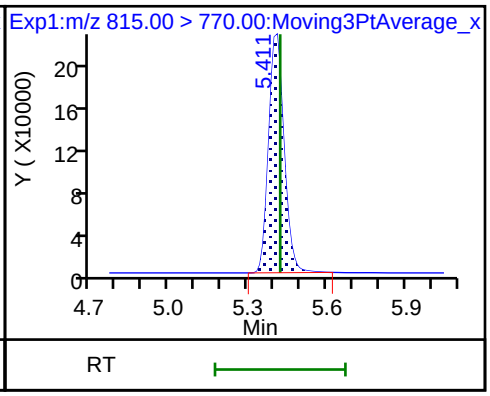
45 Perfluorohexadecanoic acid



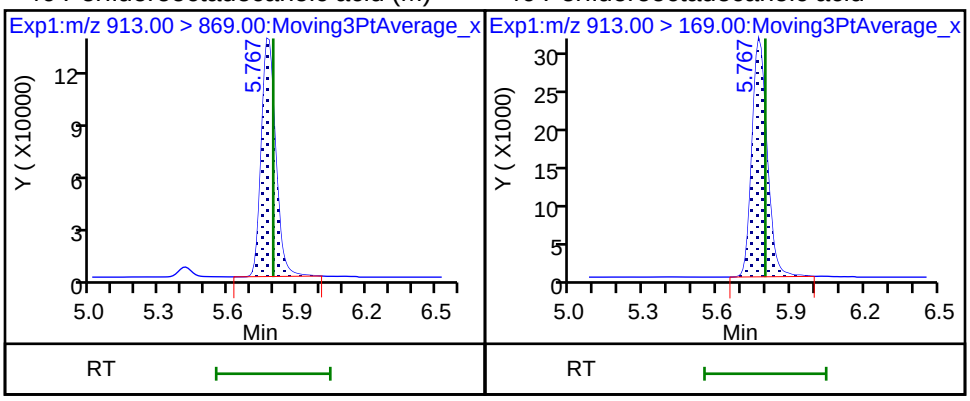
45 Perfluorohexadecanoic acid (M)



D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M) 46 Perfluorooctadecanoic acid



Manual Integration/User Assign Peak Report

Eurofins Burlington

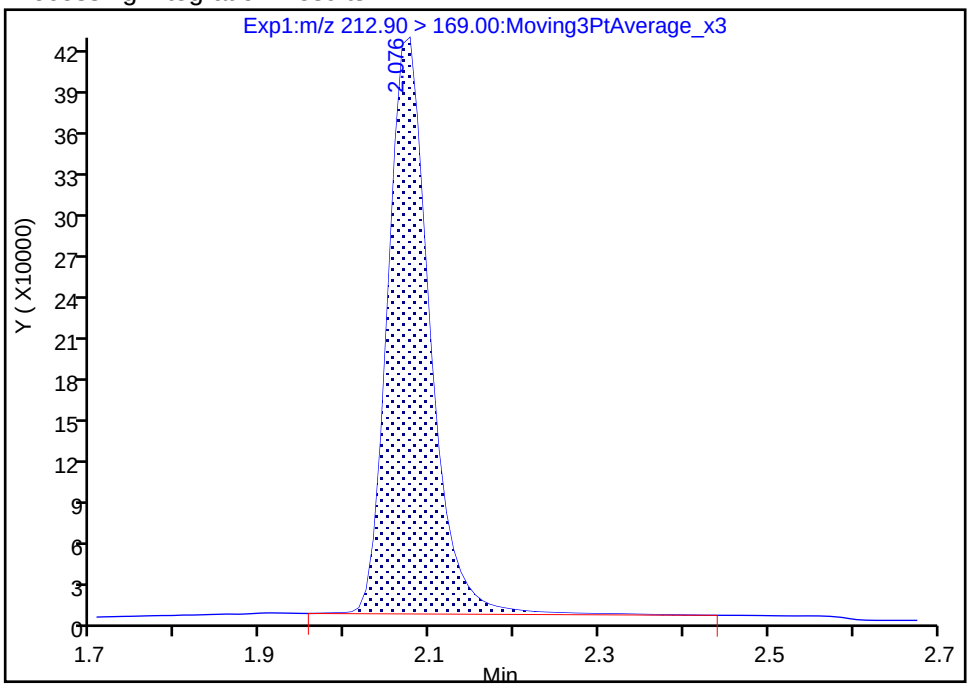
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B03.d
Injection Date: 04-Aug-2022 14:17:31 Instrument ID: LC812
Lims ID: LCS 200-182317/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

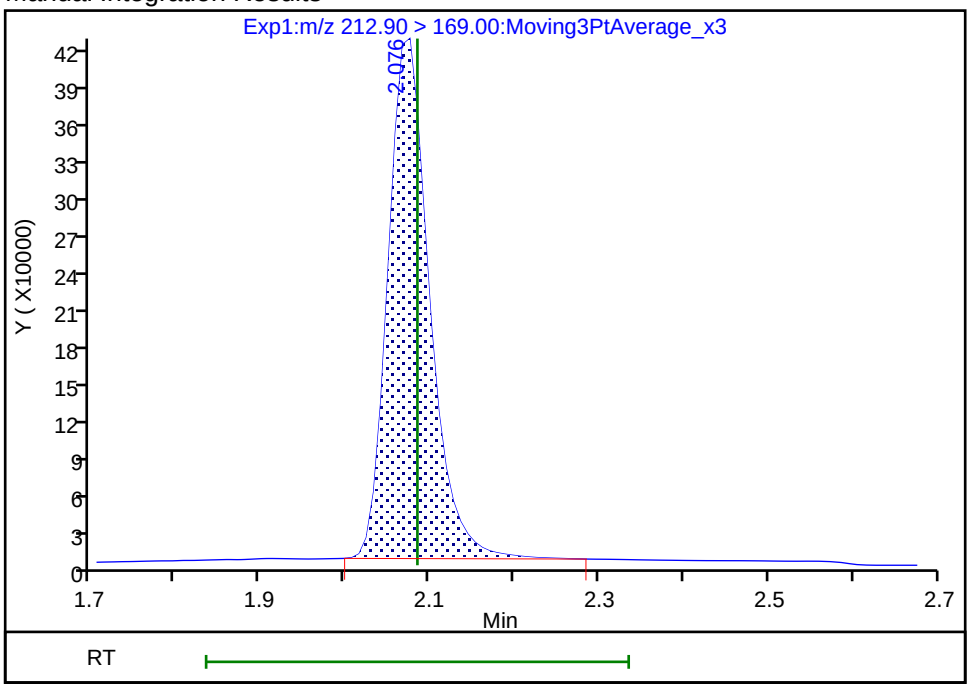
Processing Integration Results

RT: 2.08
Area: 1436051
Amount: 1.029524
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 1418768
Amount: 1.017133
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:27:33
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

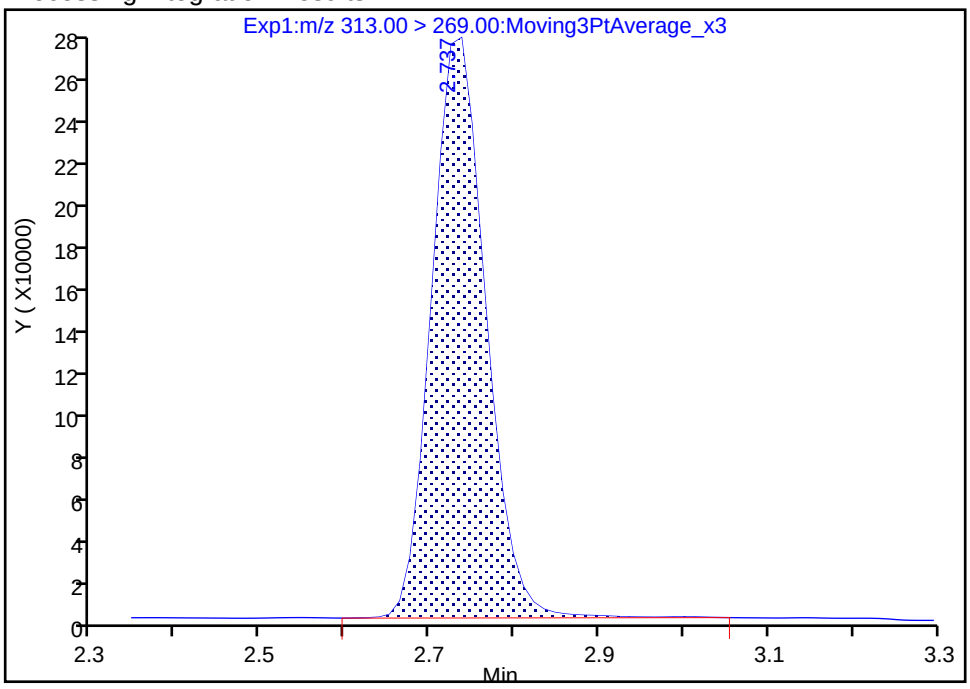
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B03.d
Injection Date: 04-Aug-2022 14:17:31 Instrument ID: LC812
Lims ID: LCS 200-182317/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

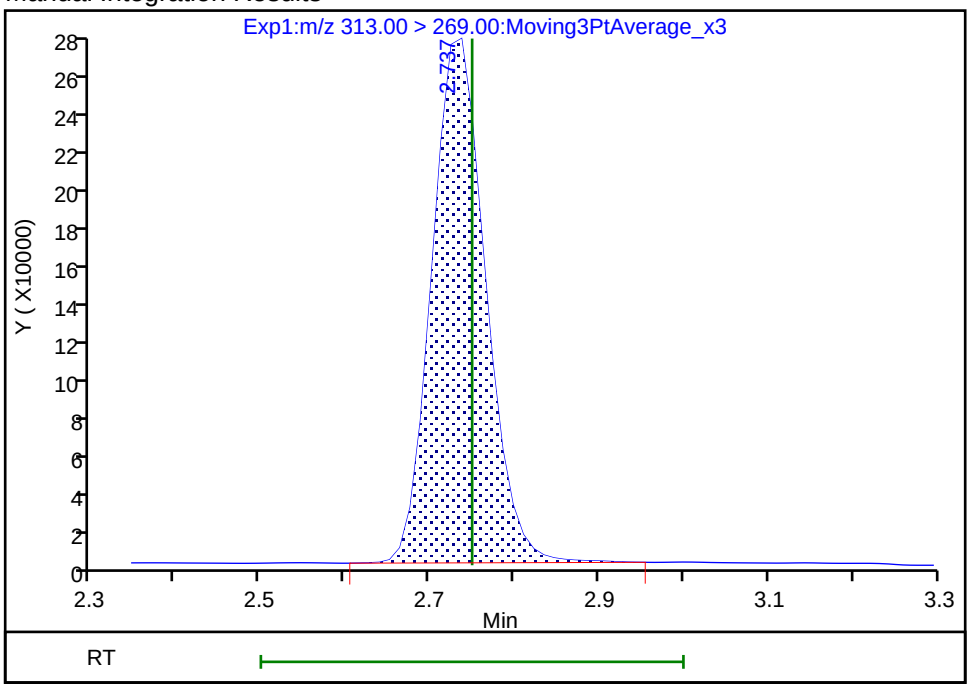
Processing Integration Results

RT: 2.74
Area: 1232294
Amount: 1.070838
Amount Units: ng/ml



Manual Integration Results

RT: 2.74
Area: 1227777
Amount: 1.066913
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:27:51
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

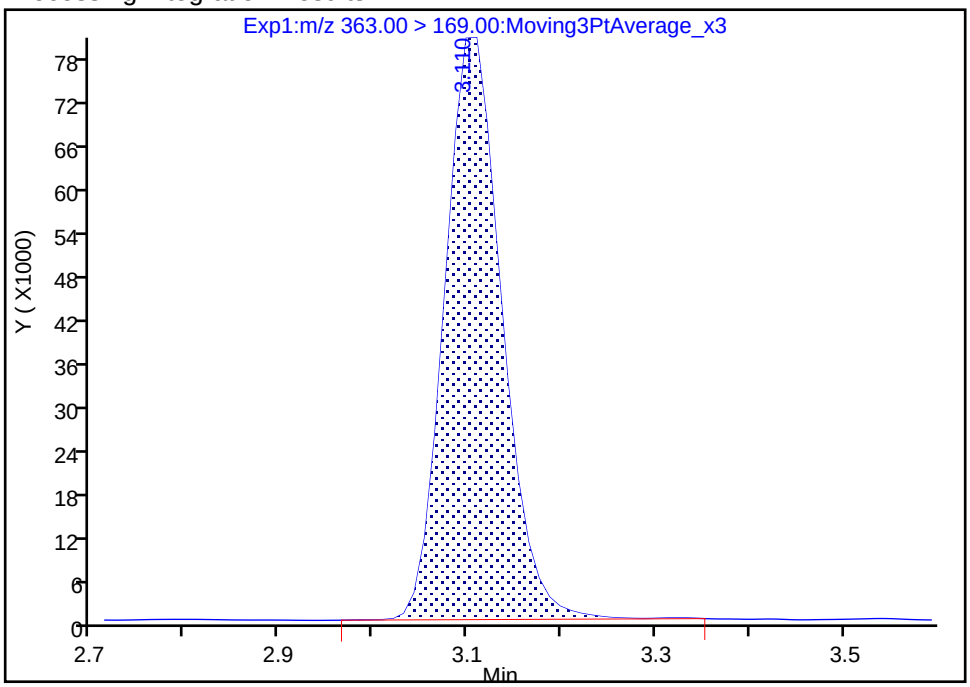
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B03.d
Injection Date: 04-Aug-2022 14:17:31 Instrument ID: LC812
Lims ID: LCS 200-182317/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

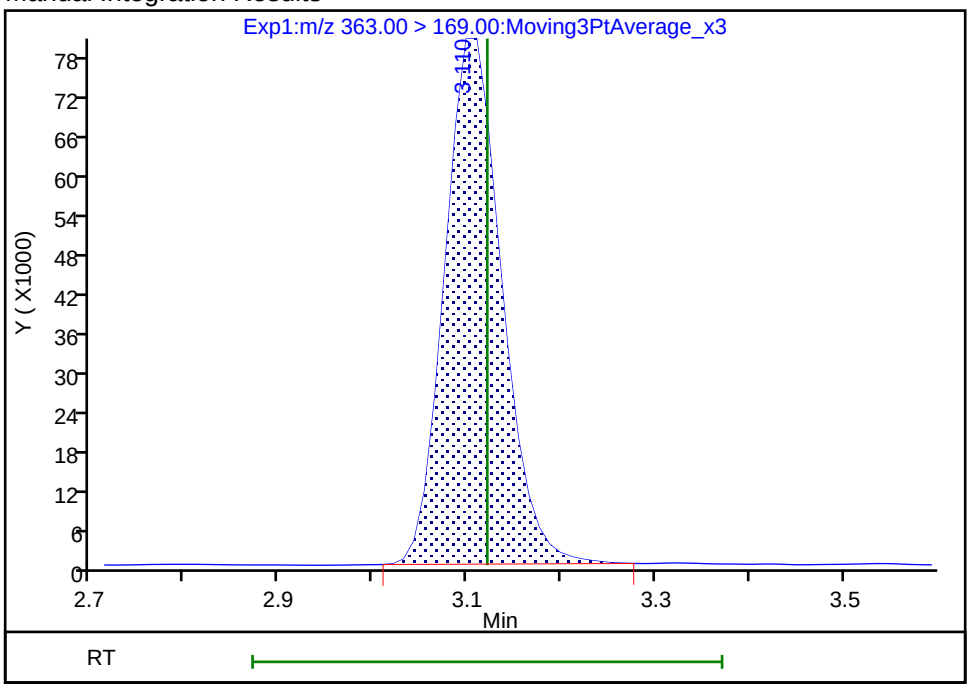
Processing Integration Results

RT: 3.11
Area: 339676
Amount: 1.087160
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 338208
Amount: 1.087160
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:28:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

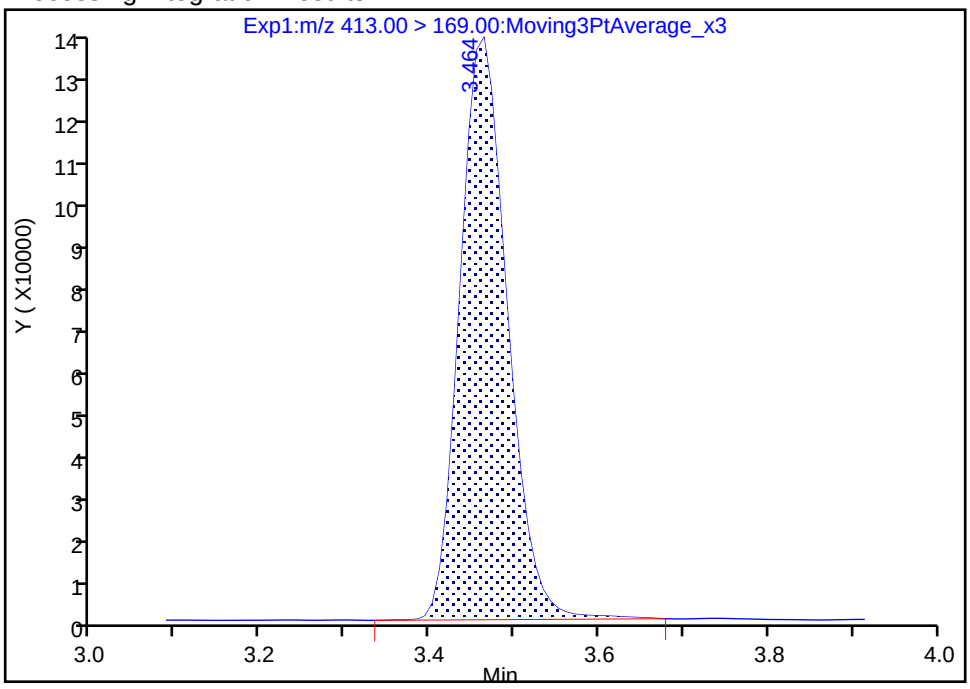
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Injection Date:	04-Aug-2022 14:17:31	Instrument ID:	LC812		
Lims ID:	LCS 200-182317/2-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

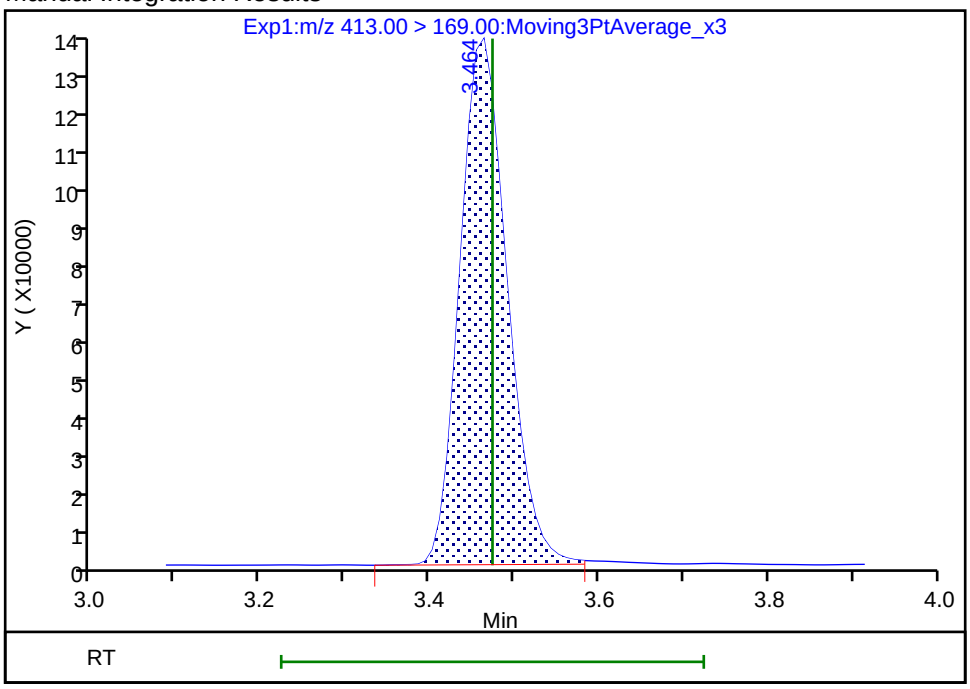
Processing Integration Results

RT: 3.46
Area: 518440
Amount: 1.030935
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 515832
Amount: 1.030935
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:28:35

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

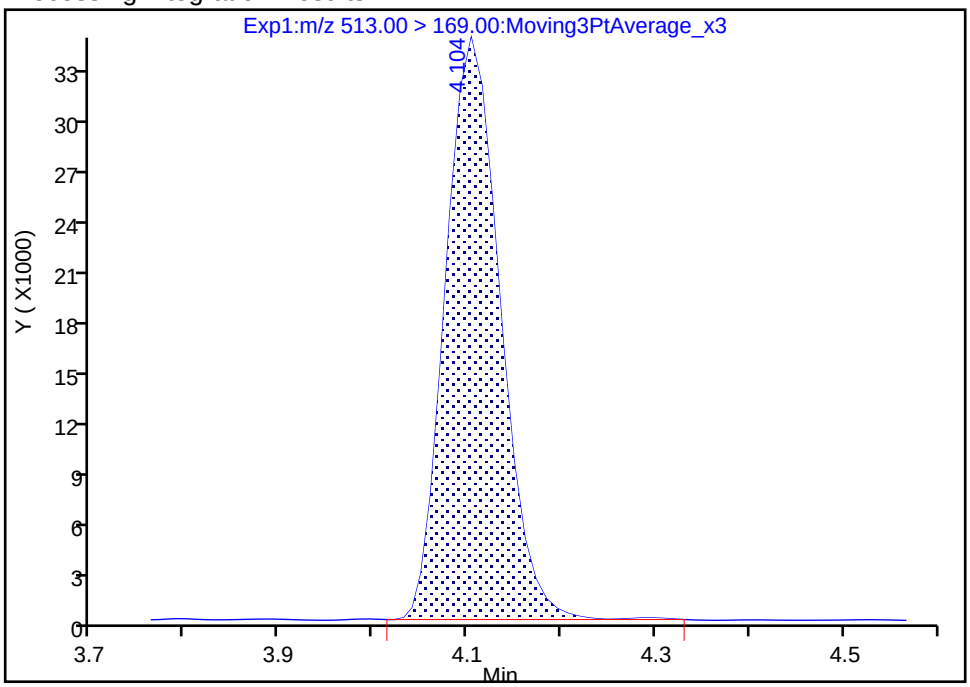
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B03.d
Injection Date: 04-Aug-2022 14:17:31 Instrument ID: LC812
Lims ID: LCS 200-182317/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

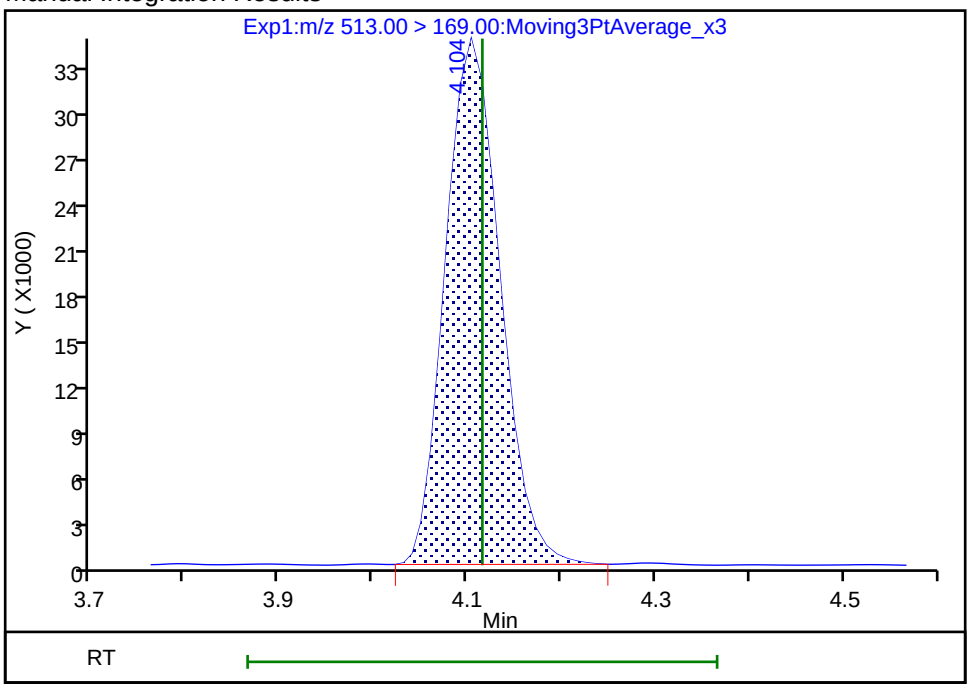
Processing Integration Results

RT: 4.10
Area: 139183
Amount: 1.047018
Amount Units: ng/ml



Manual Integration Results

RT: 4.10
Area: 138829
Amount: 1.047018
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:29:10
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

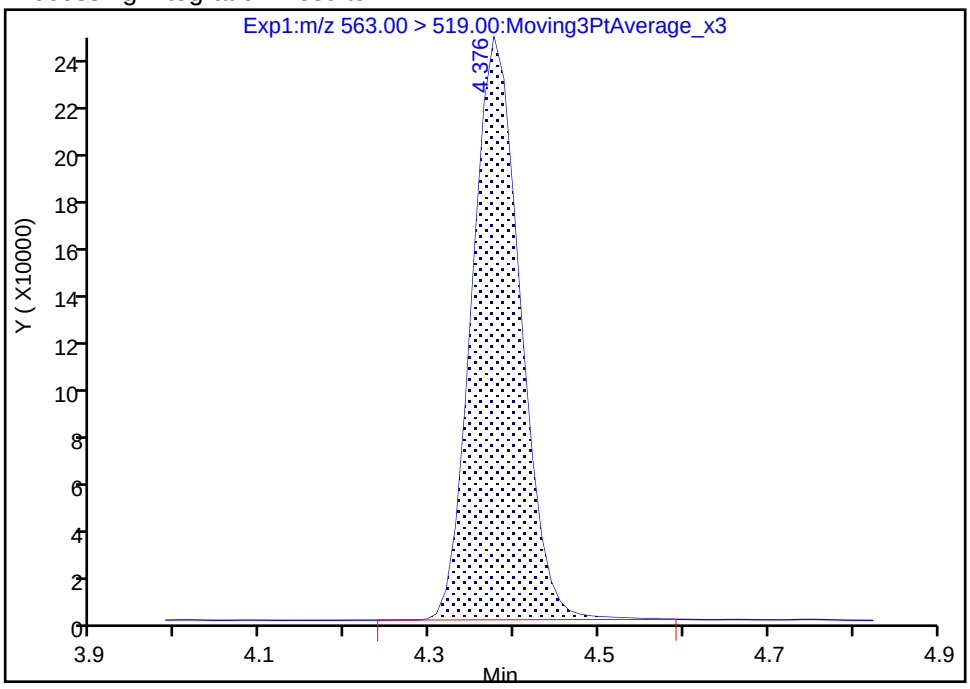
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Injection Date:	04-Aug-2022 14:17:31	Instrument ID:	LC812		
Lims ID:	LCS 200-182317/2-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

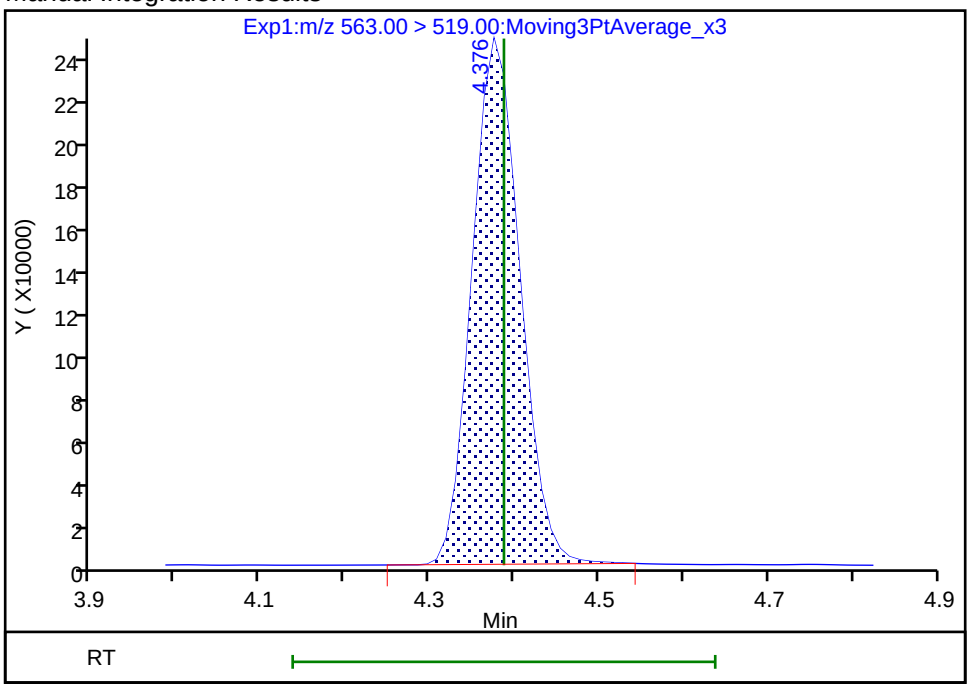
Processing Integration Results

RT: 4.38
Area: 960380
Amount: 1.130244
Amount Units: ng/ml



Manual Integration Results

RT: 4.38
Area: 955840
Amount: 1.124901
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:07:53
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

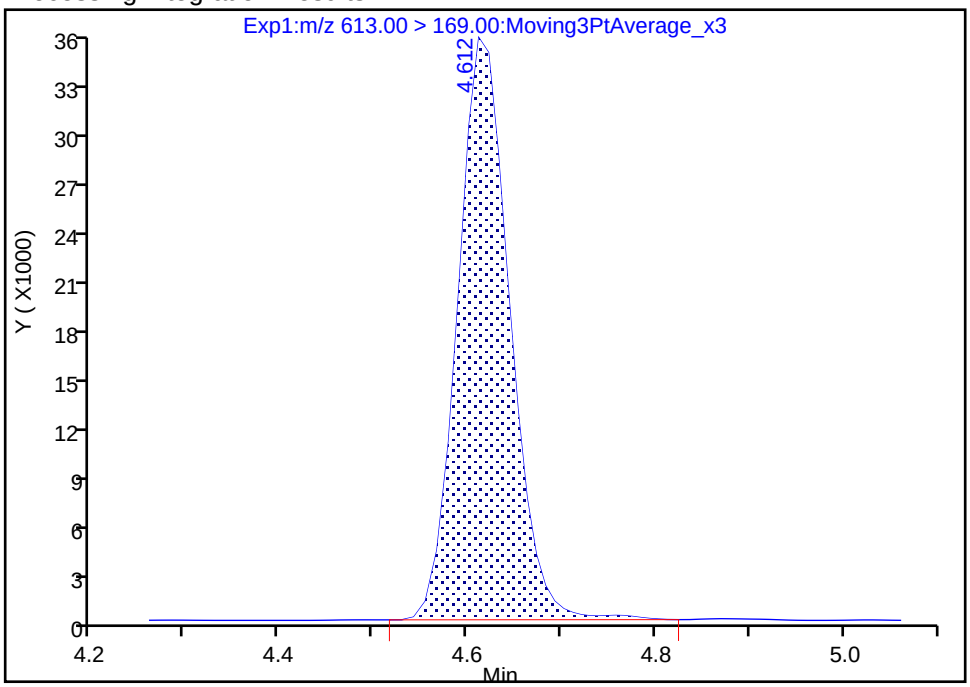
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Injection Date: 04-Aug-2022 14:17:31 Instrument ID: LC812
Lims ID: LCS 200-182317/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

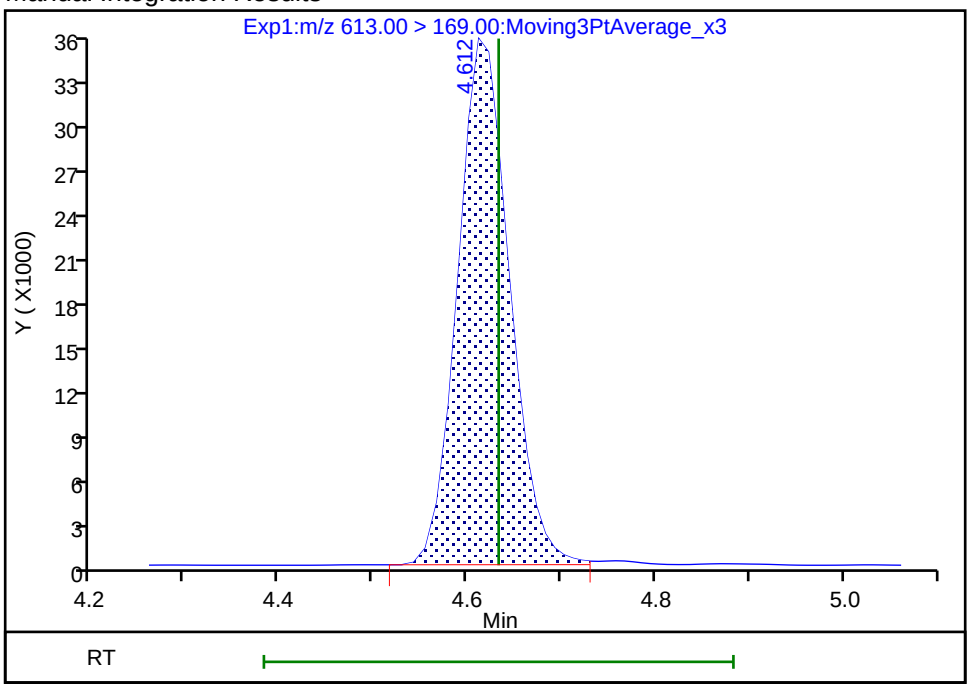
Processing Integration Results

RT: 4.61
Area: 136380
Amount: 1.068386
Amount Units: ng/ml



Manual Integration Results

RT: 4.61
Area: 135555
Amount: 1.068386
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:29:44
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

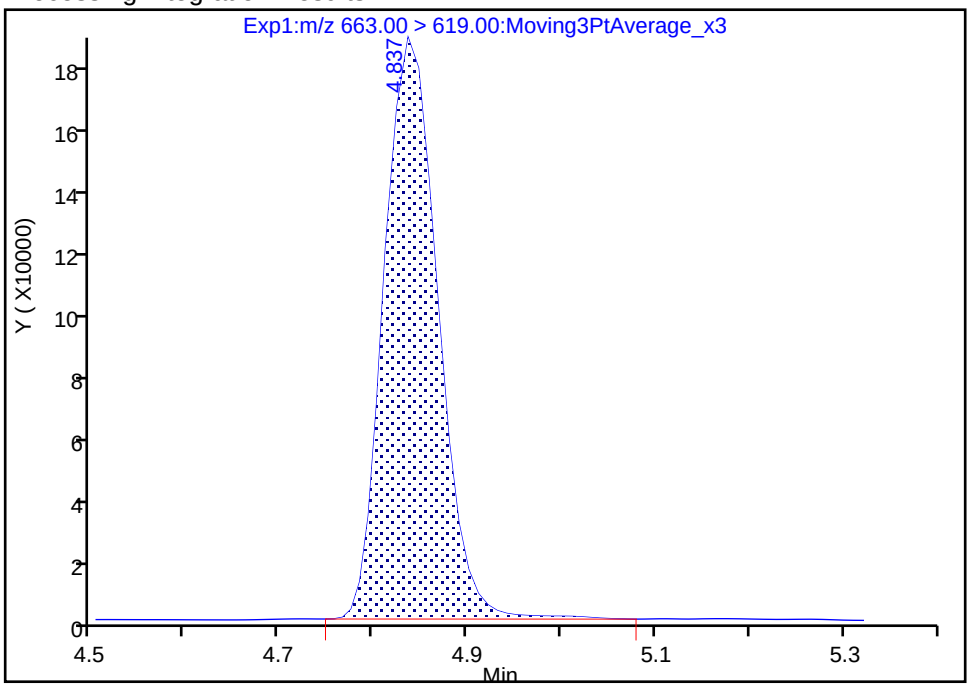
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Injection Date: 04-Aug-2022 14:17:31 Instrument ID: LC812
Lims ID: LCS 200-182317/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

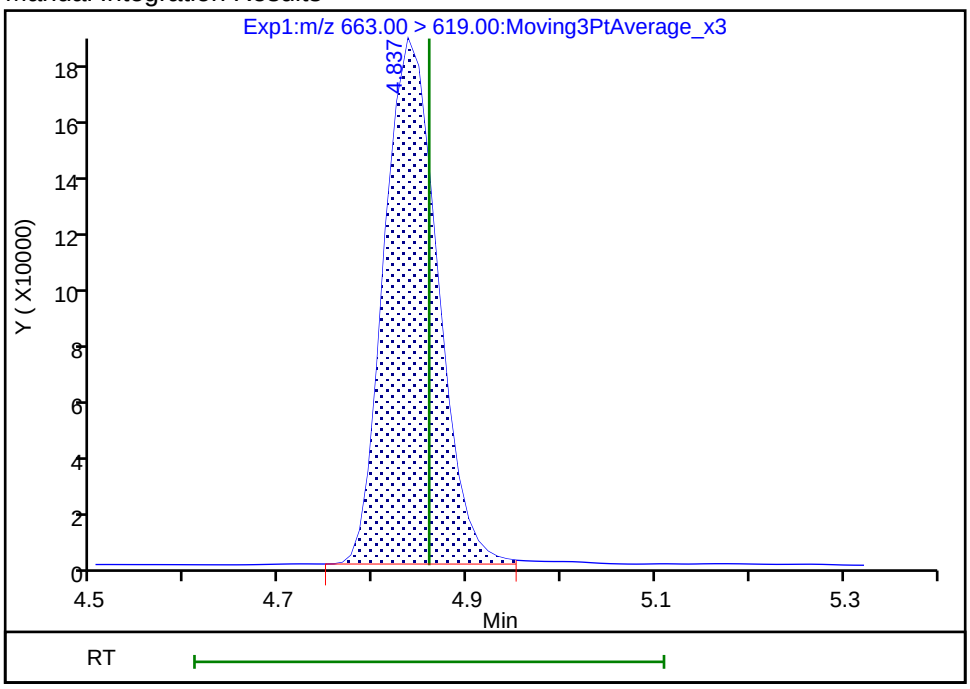
Processing Integration Results

RT: 4.84
Area: 745552
Amount: 1.044777
Amount Units: ng/ml



Manual Integration Results

RT: 4.84
Area: 740579
Amount: 1.037808
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:30:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

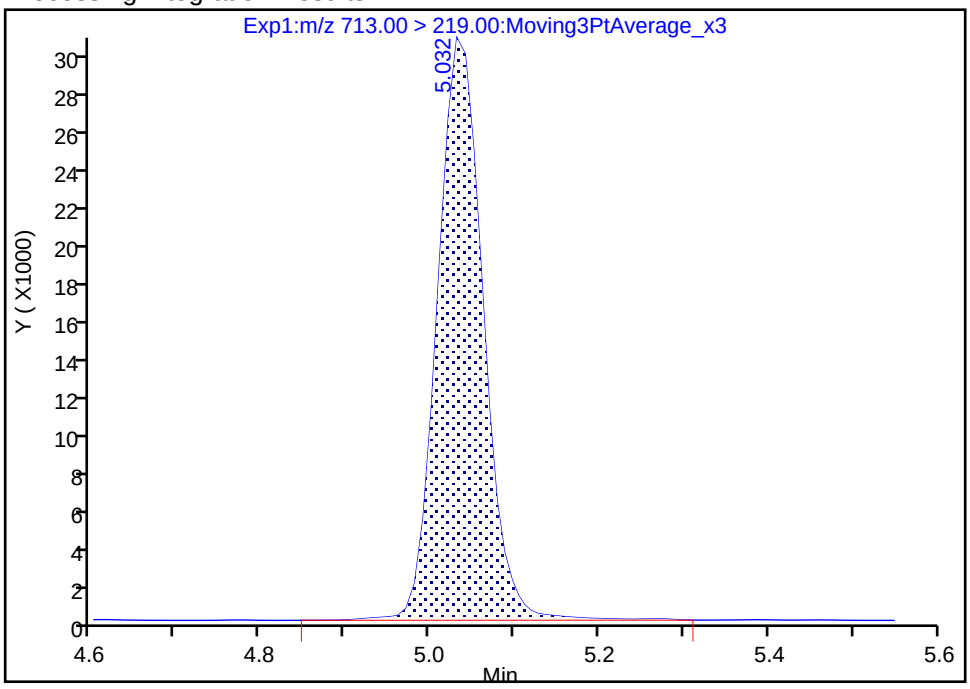
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Injection Date: 04-Aug-2022 14:17:31 Instrument ID: LC812
Lims ID: LCS 200-182317/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

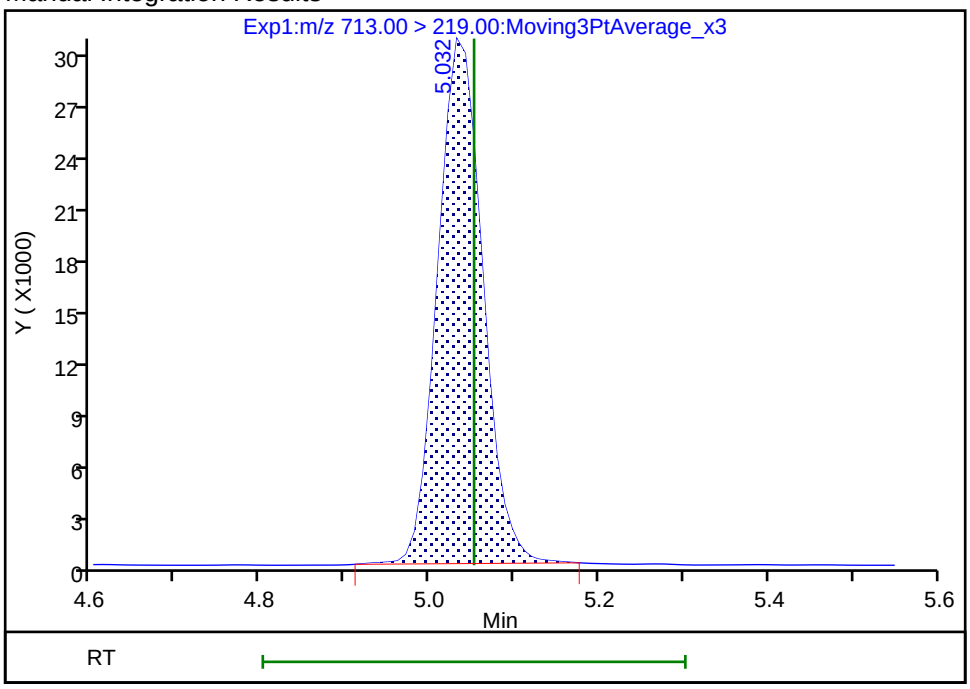
Processing Integration Results

RT: 5.03
Area: 116058
Amount: 1.006268
Amount Units: ng/ml



Manual Integration Results

RT: 5.03
Area: 114106
Amount: 1.006268
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:08:16
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

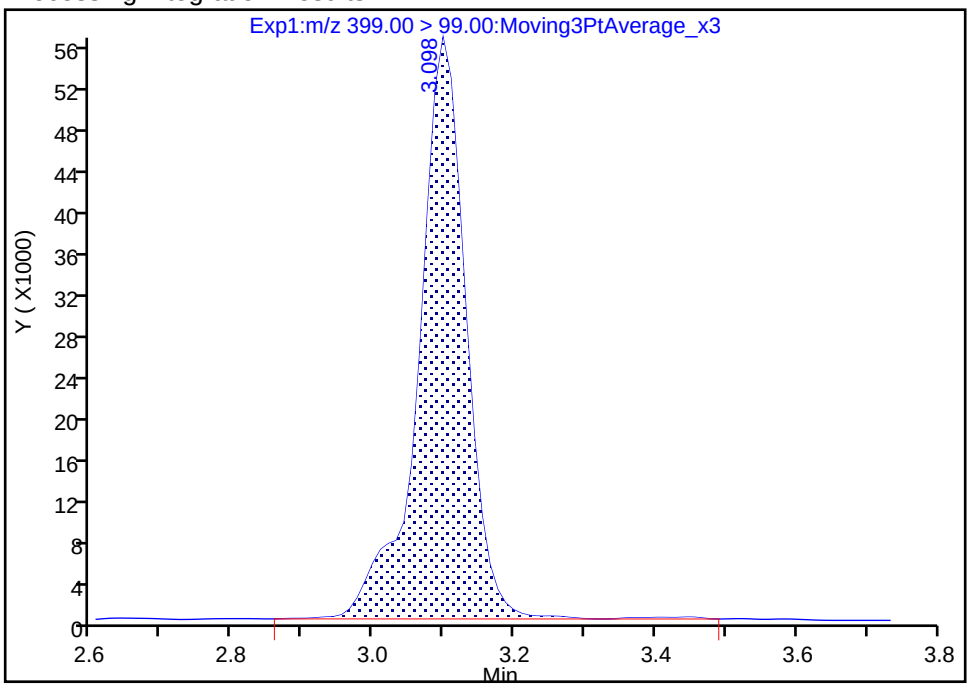
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B03.d
Injection Date: 04-Aug-2022 14:17:31 Instrument ID: LC812
Lims ID: LCS 200-182317/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

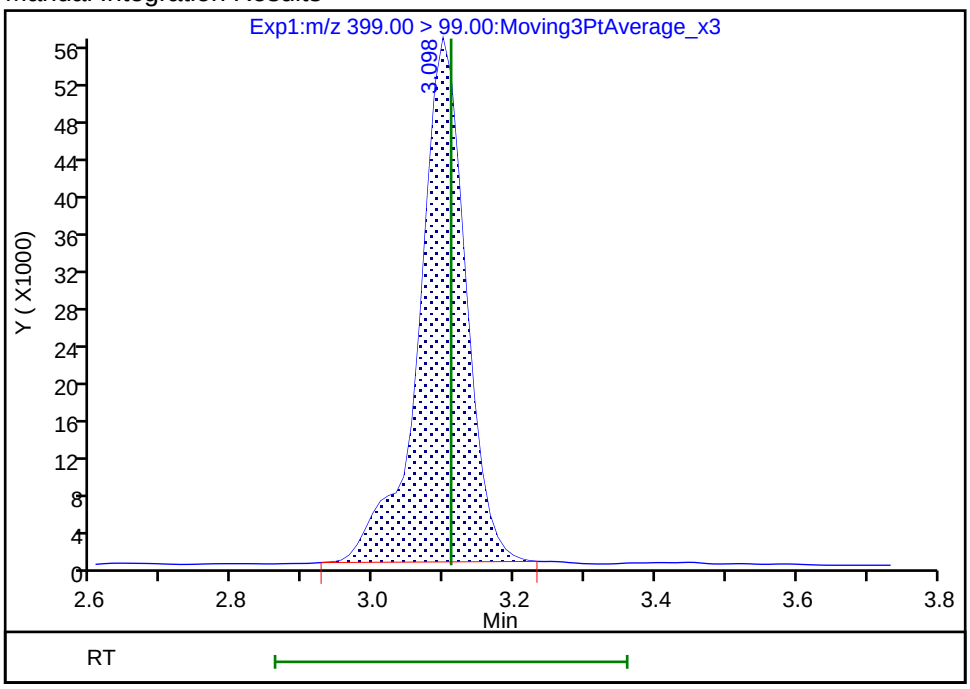
Processing Integration Results

RT: 3.10
Area: 263092
Amount: 0.965921
Amount Units: ng/ml



Manual Integration Results

RT: 3.10
Area: 257243
Amount: 0.958042
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:28:01
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

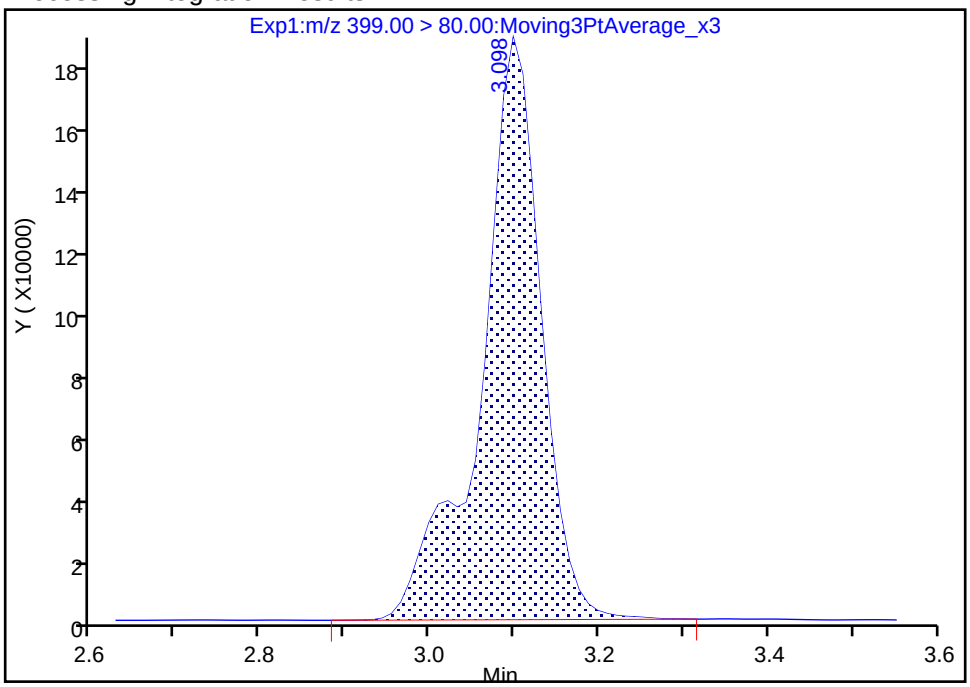
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B03.d
Injection Date: 04-Aug-2022 14:17:31 Instrument ID: LC812
Lims ID: LCS 200-182317/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

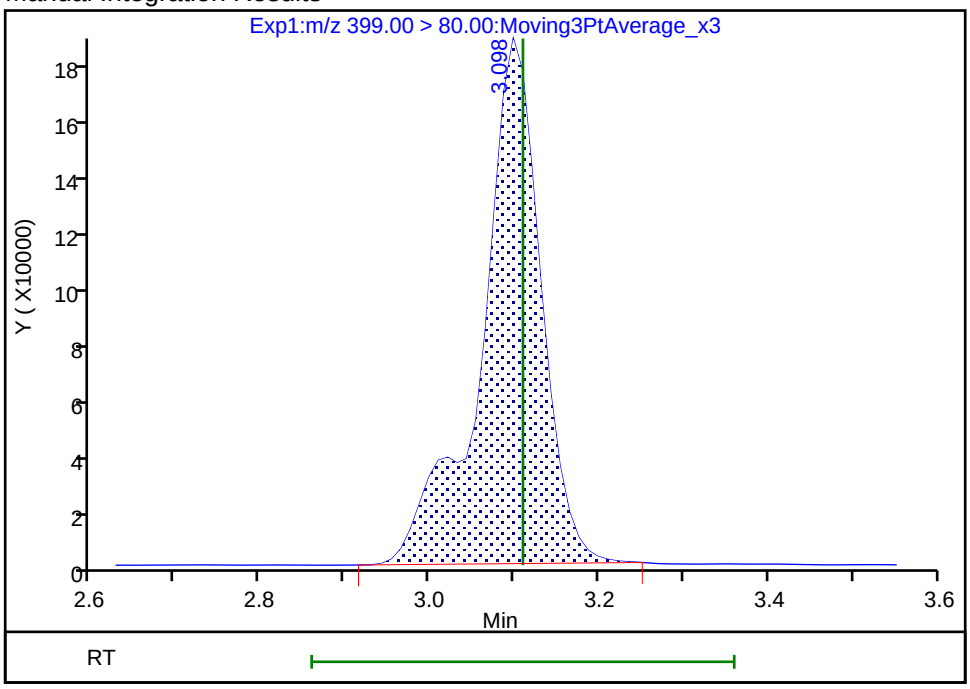
Processing Integration Results

RT: 3.10
Area: 908128
Amount: 0.965921
Amount Units: ng/ml



Manual Integration Results

RT: 3.10
Area: 900720
Amount: 0.958042
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:07:11
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

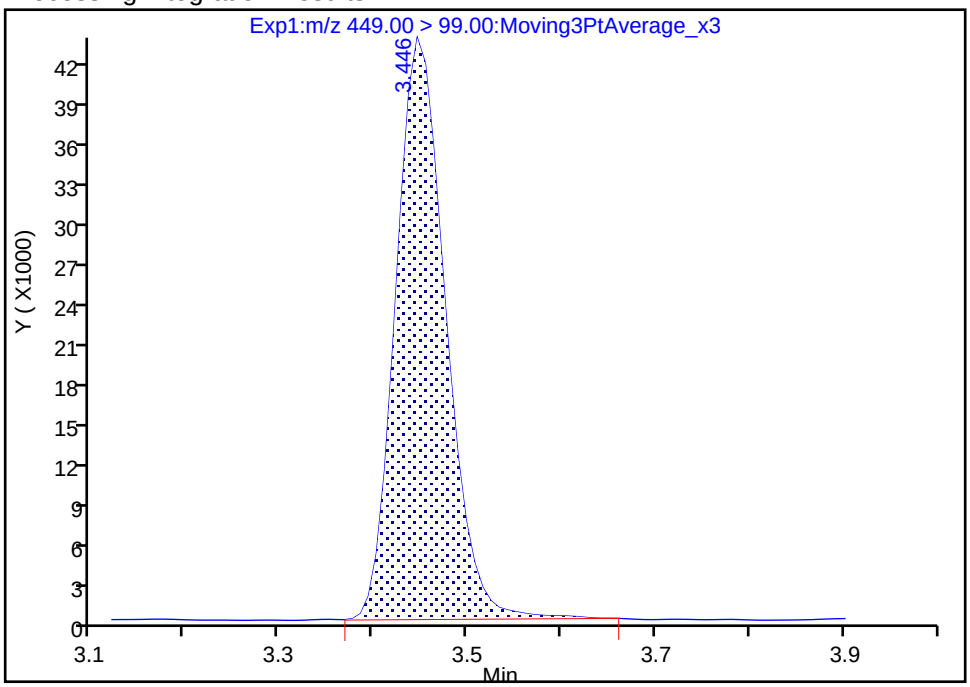
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B03.d
Injection Date: 04-Aug-2022 14:17:31 Instrument ID: LC812
Lims ID: LCS 200-182317/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

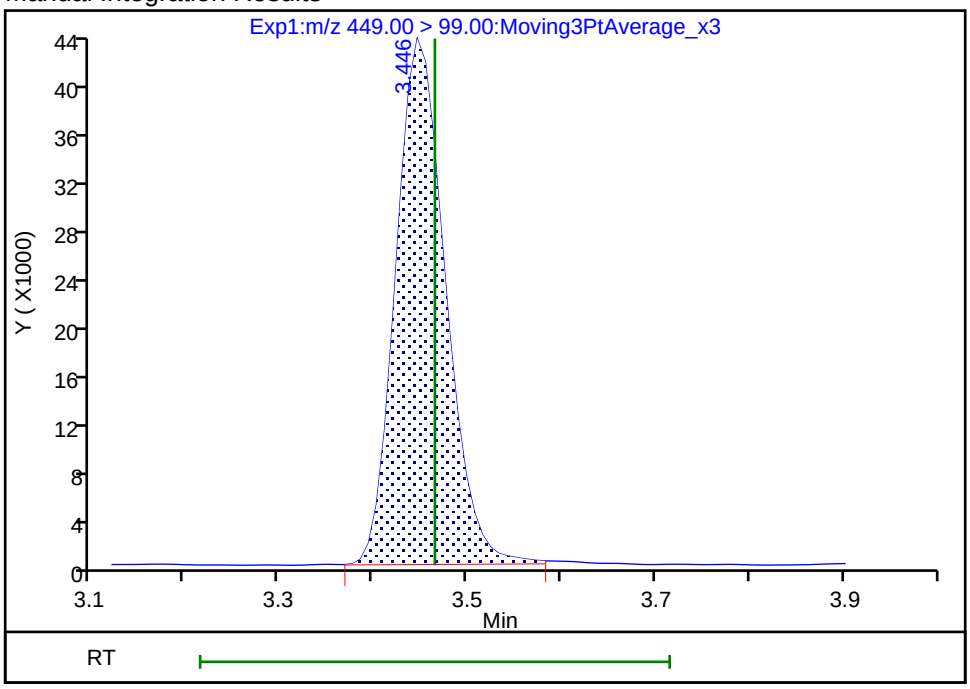
Processing Integration Results

RT: 3.45
Area: 159395
Amount: 1.062796
Amount Units: ng/ml



Manual Integration Results

RT: 3.45
Area: 158865
Amount: 1.061110
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:28:20
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

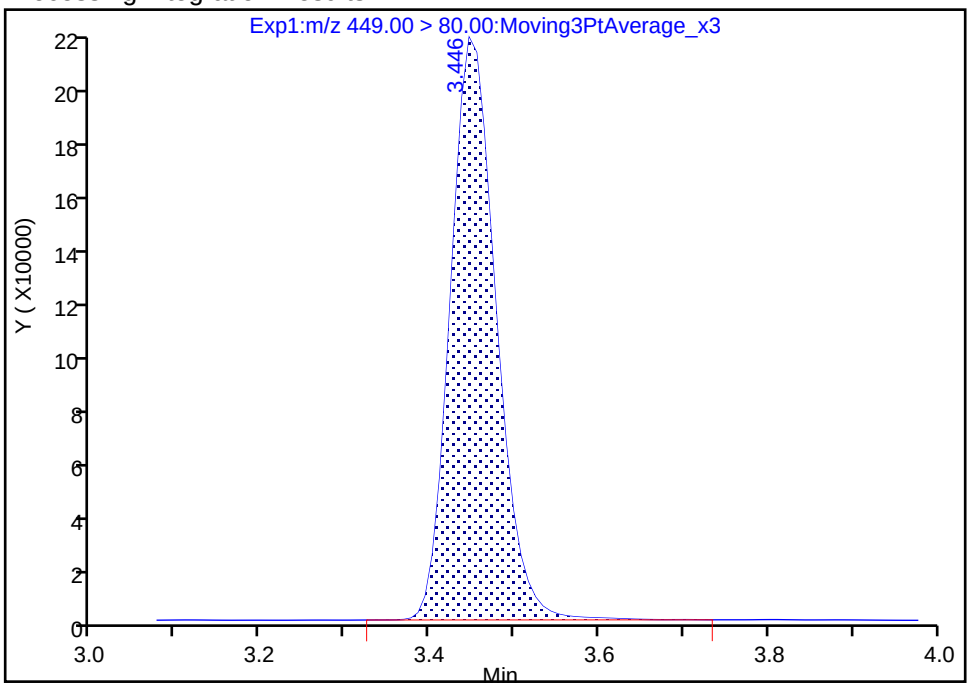
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B03.d				
Injection Date:	04-Aug-2022 14:17:31	Instrument ID:	LC812		
Lims ID:	LCS 200-182317/2-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

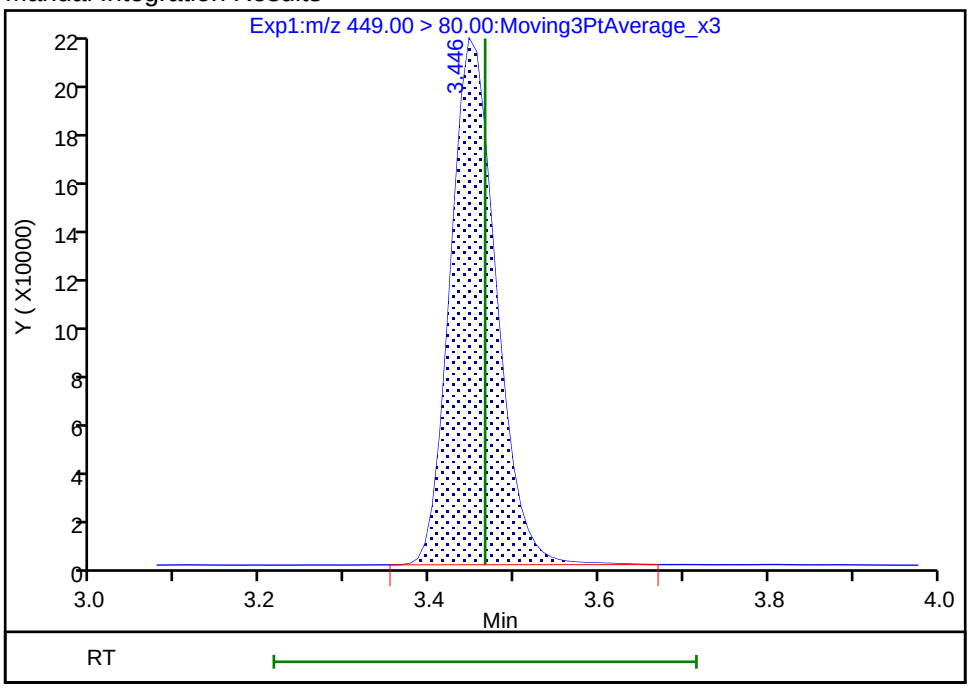
Processing Integration Results

RT: 3.45
Area: 802183
Amount: 1.062796
Amount Units: ng/ml



Manual Integration Results

RT: 3.45
Area: 800910
Amount: 1.061110
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:28:29

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

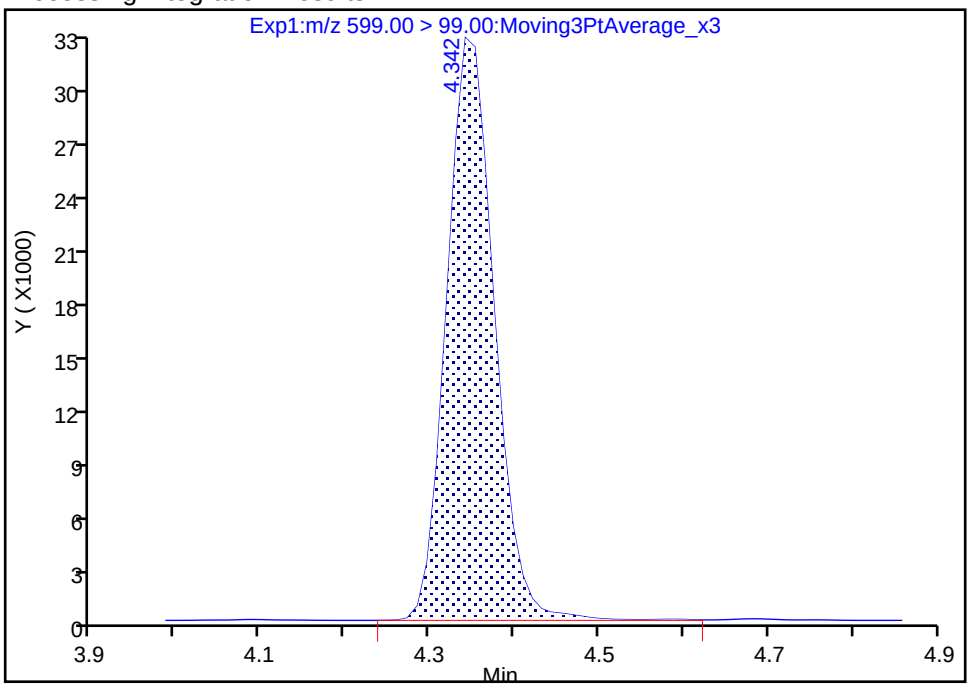
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Injection Date: 04-Aug-2022 14:17:31 Instrument ID: LC812
Lims ID: LCS 200-182317/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

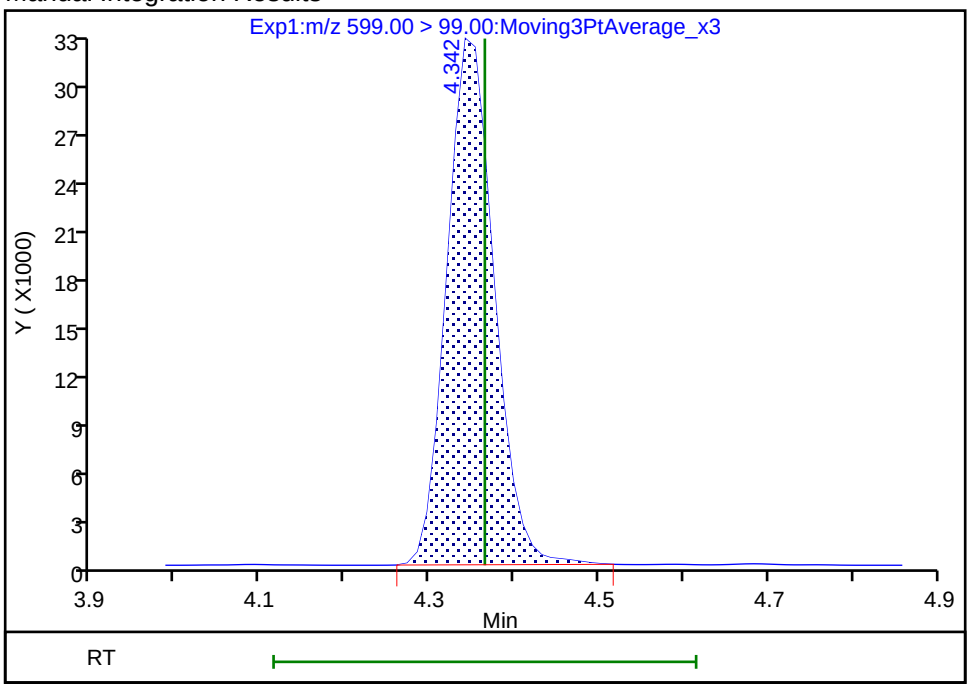
Processing Integration Results

RT: 4.34
Area: 127156
Amount: 0.897508
Amount Units: ng/ml



Manual Integration Results

RT: 4.34
Area: 126340
Amount: 0.897508
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:29:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

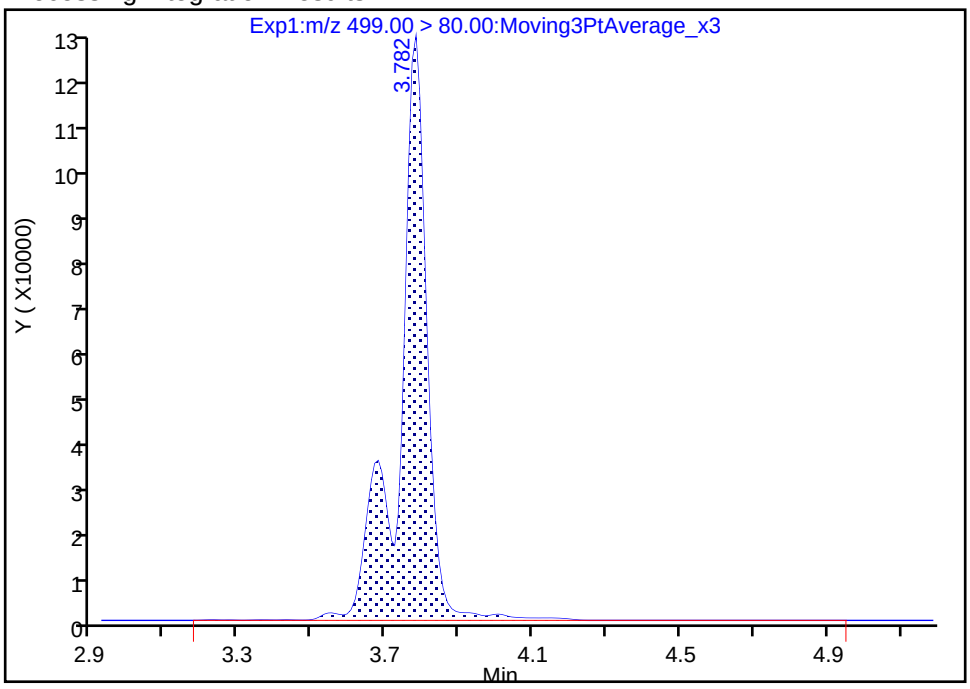
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B03.d				
Injection Date:	04-Aug-2022 14:17:31	Instrument ID:	LC812		
Lims ID:	LCS 200-182317/2-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

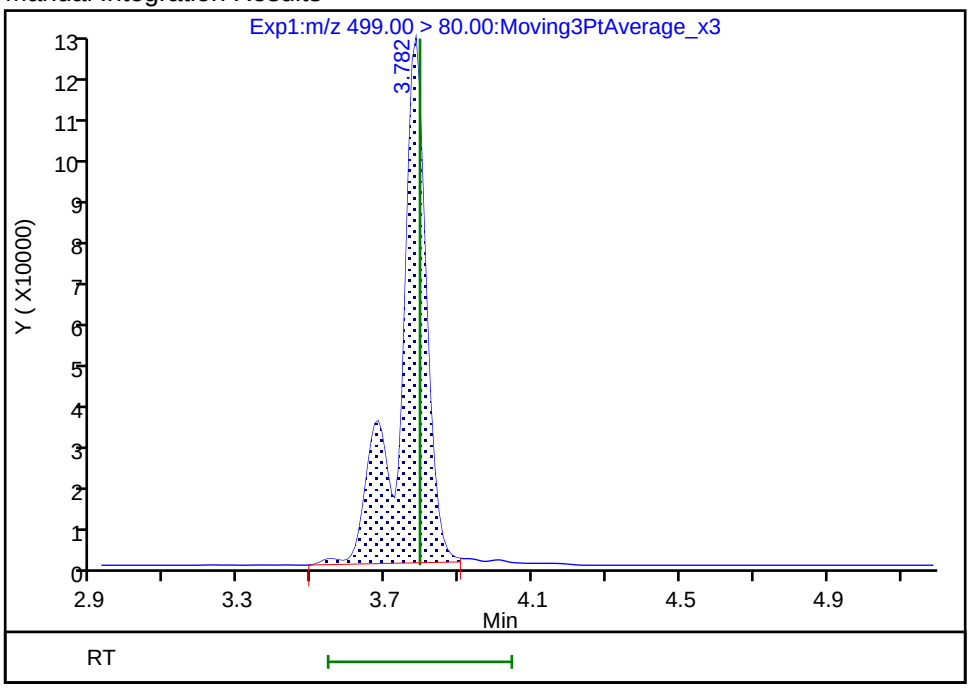
Processing Integration Results

RT: 3.78
Area: 653641
Amount: 1.057346
Amount Units: ng/ml



Manual Integration Results

RT: 3.78
Area: 628175
Amount: 1.015431
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:28:45

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

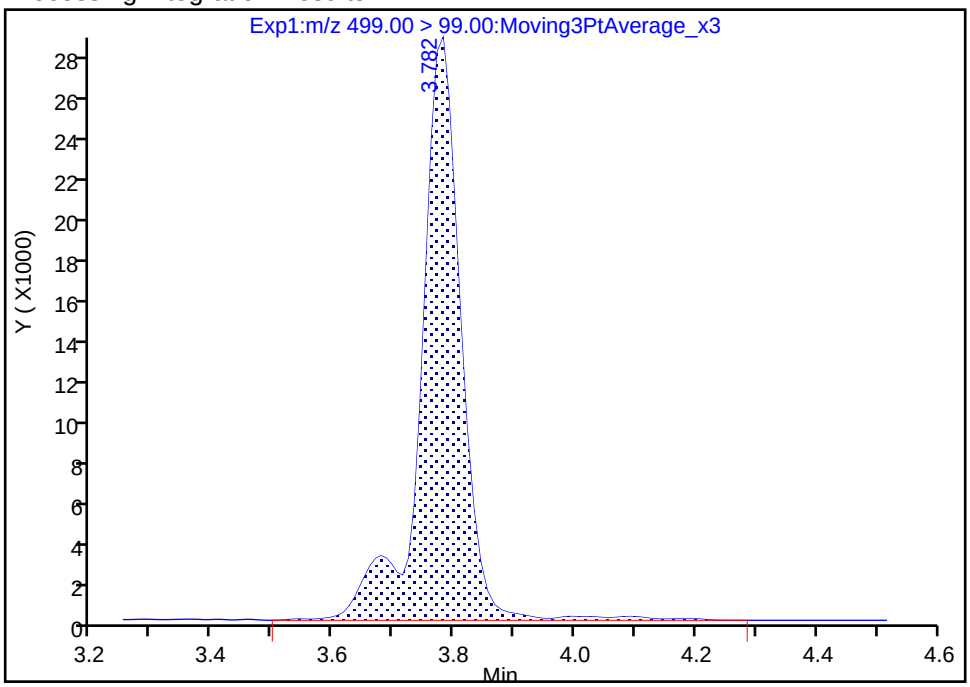
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B03.d				
Injection Date:	04-Aug-2022 14:17:31	Instrument ID:	LC812		
Lims ID:	LCS 200-182317/2-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

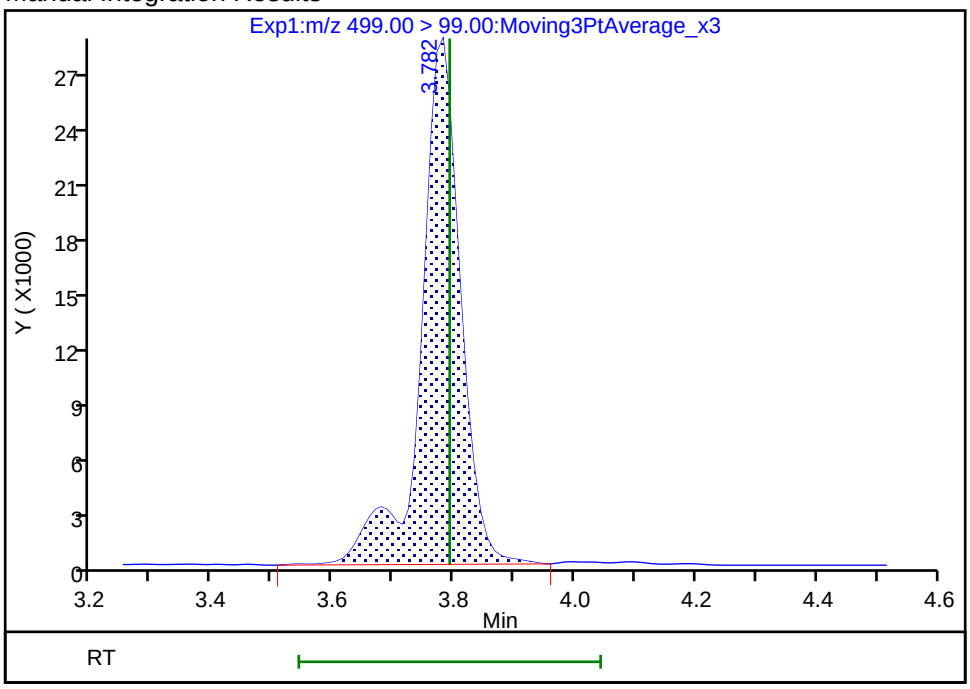
Processing Integration Results

RT: 3.78
Area: 132205
Amount: 1.057346
Amount Units: ng/ml



Manual Integration Results

RT: 3.78
Area: 129319
Amount: 1.015431
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:28:54
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

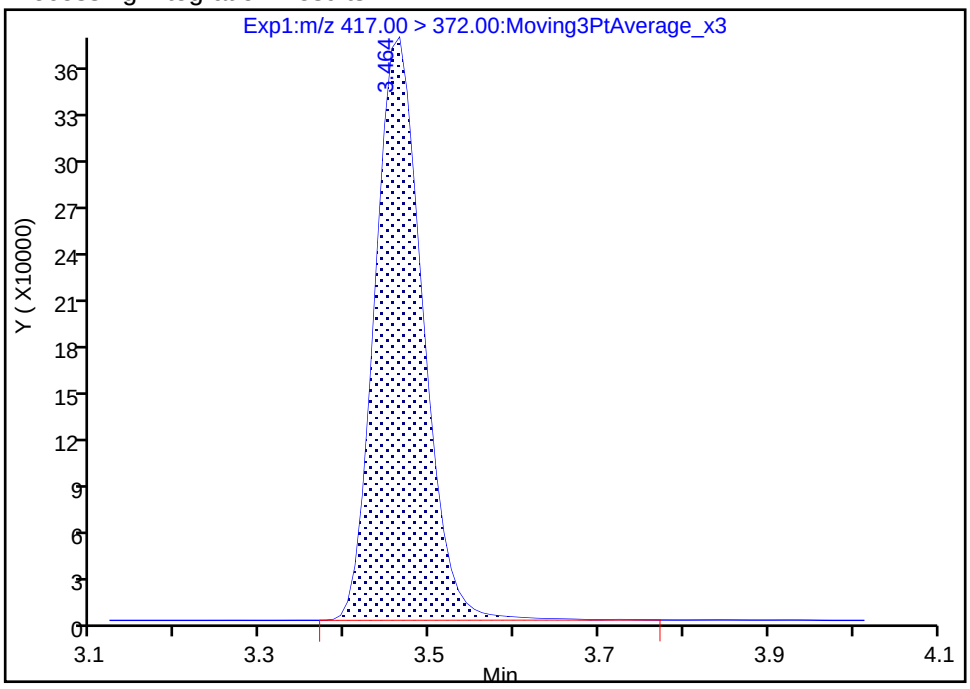
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B03.d
Injection Date: 04-Aug-2022 14:17:31 Instrument ID: LC812
Lims ID: LCS 200-182317/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

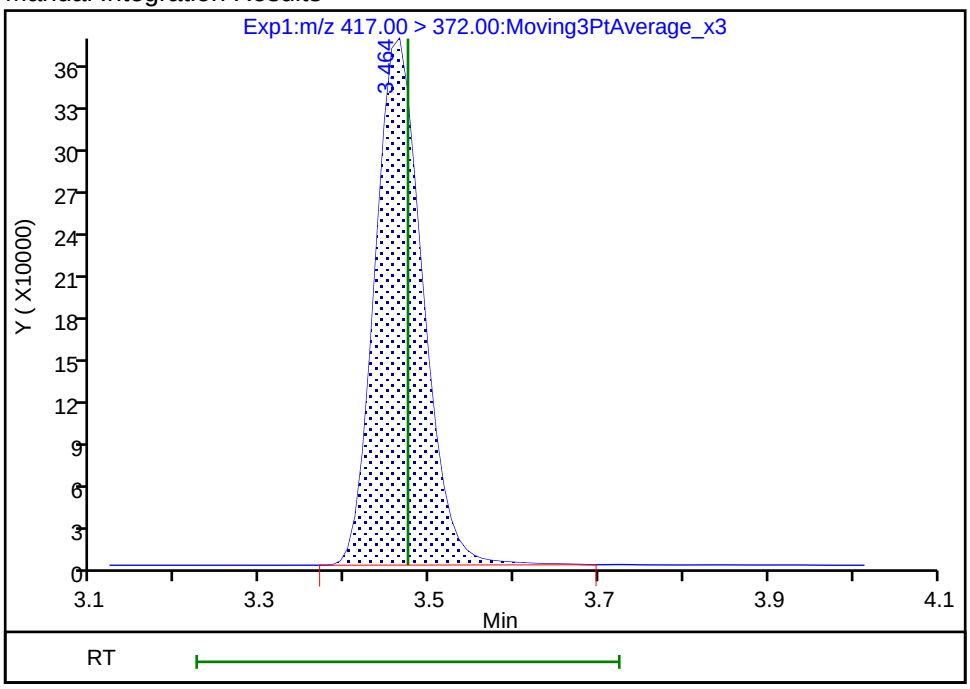
Processing Integration Results

RT: 3.46
Area: 1478631
Amount: 1.202370
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 1476434
Amount: 1.200583
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:26:51
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

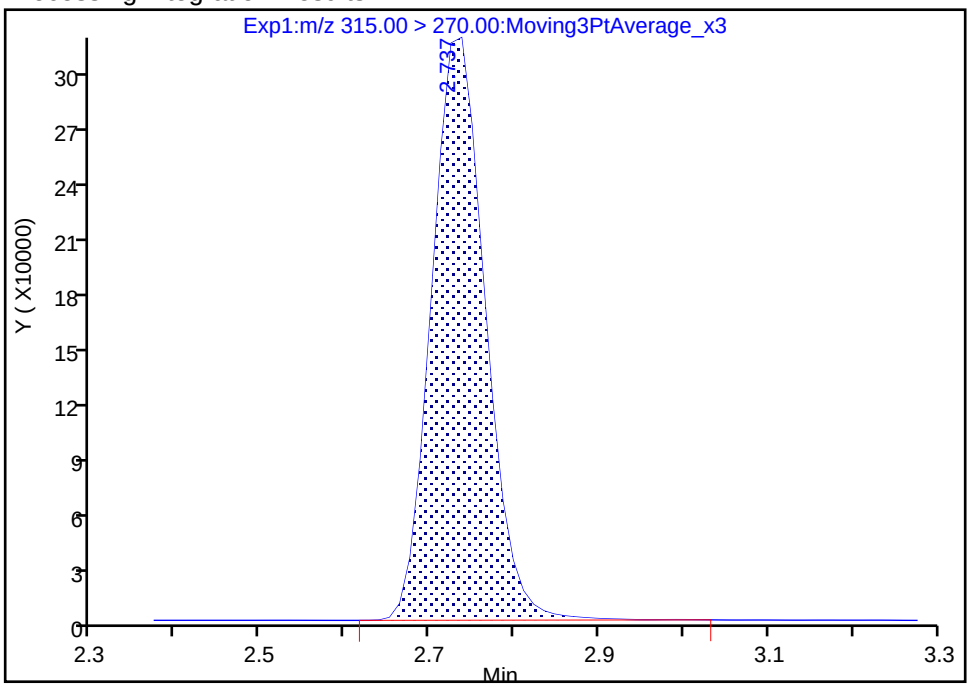
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B03.d
Injection Date: 04-Aug-2022 14:17:31 Instrument ID: LC812
Lims ID: LCS 200-182317/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 7 13C2 PFHxA, CAS: STL00993

Signal: 1

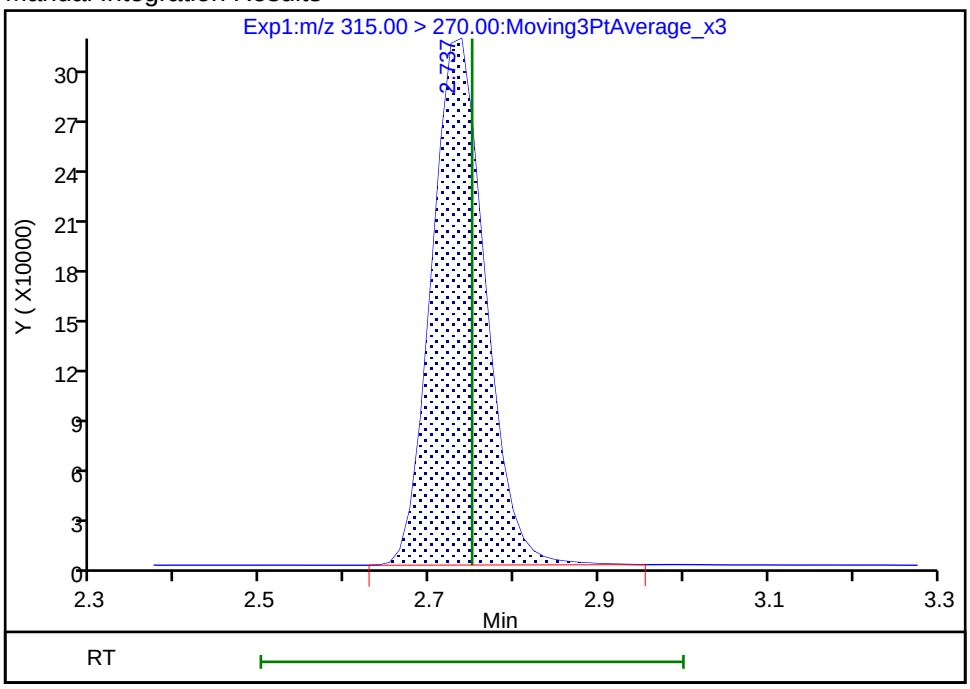
Processing Integration Results

RT: 2.74
Area: 1380115
Amount: 1.192794
Amount Units: ng/ml



Manual Integration Results

RT: 2.74
Area: 1378558
Amount: 1.191448
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:26:25
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

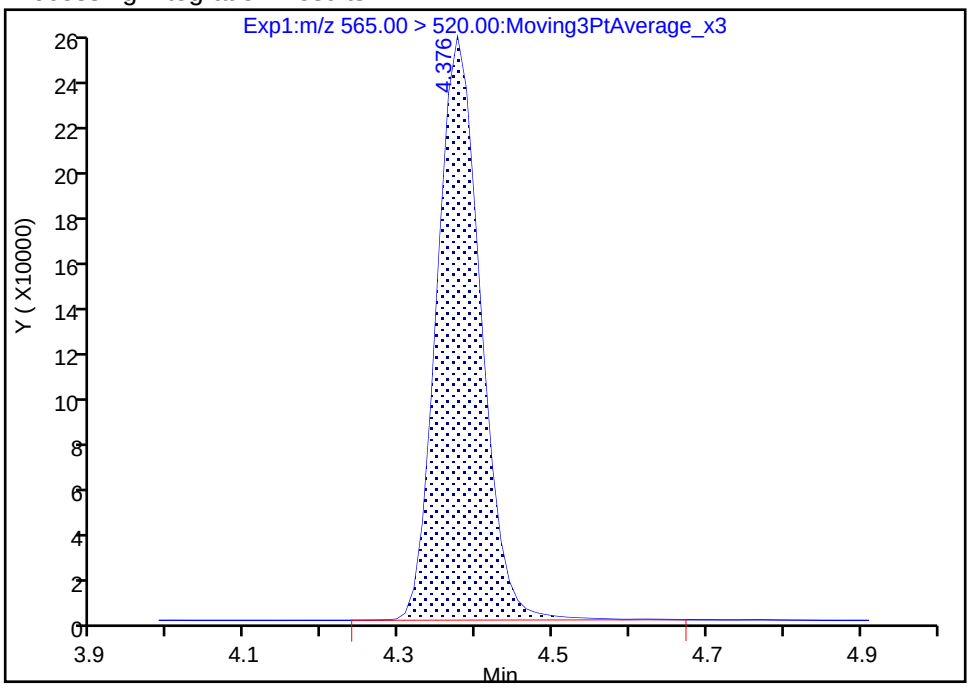
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B03.d				
Injection Date:	04-Aug-2022 14:17:31	Instrument ID:	LC812		
Lims ID:	LCS 200-182317/2-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

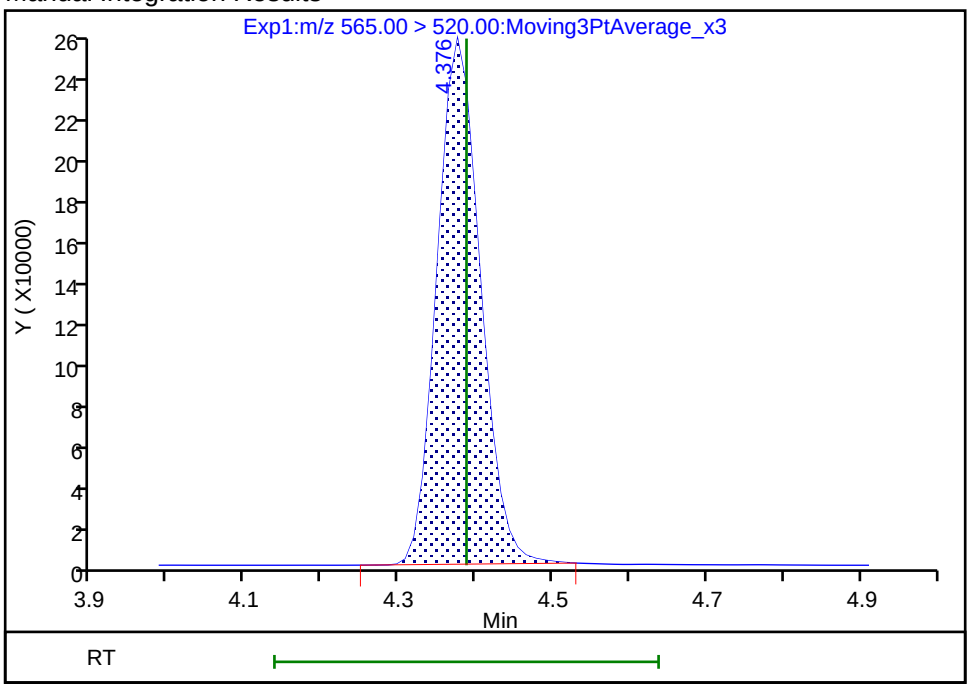
Processing Integration Results

RT: 4.38
Area: 1012302
Amount: 1.075263
Amount Units: ng/ml



Manual Integration Results

RT: 4.38
Area: 1002548
Amount: 1.064902
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:07:47

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

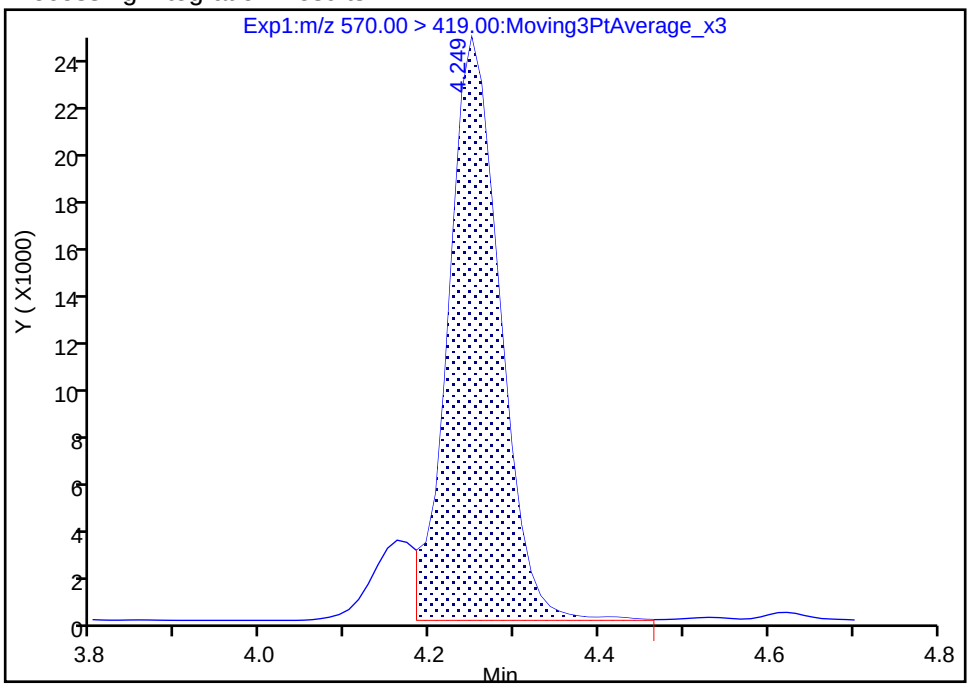
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B03.d
Injection Date: 04-Aug-2022 14:17:31 Instrument ID: LC812
Lims ID: LCS 200-182317/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

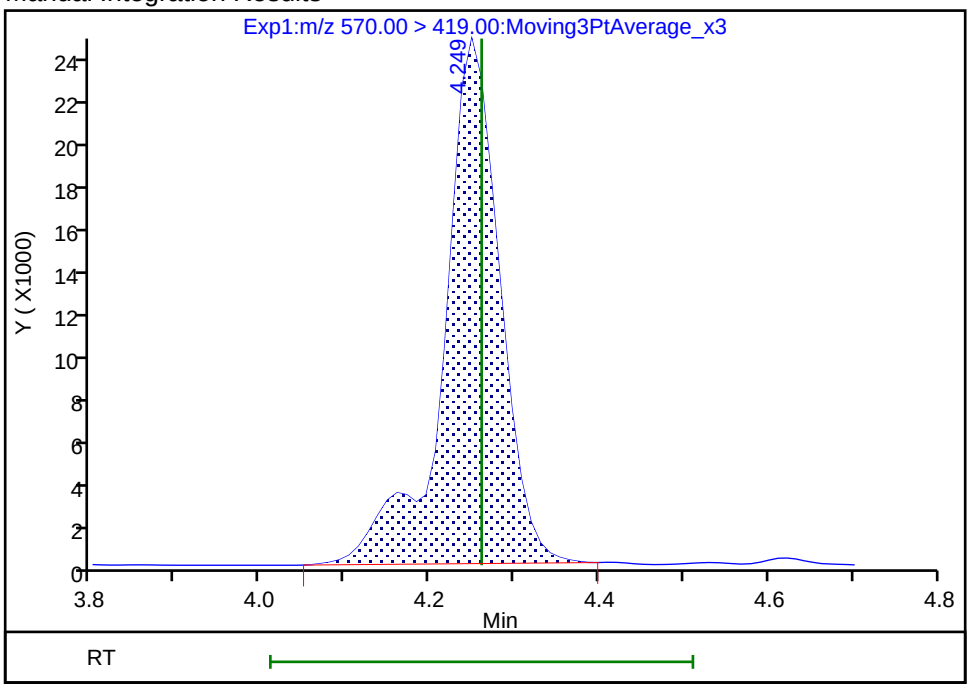
Processing Integration Results

RT: 4.25
Area: 104235
Amount: 0.988884
Amount Units: ng/ml



Manual Integration Results

RT: 4.25
Area: 114097
Amount: 1.082445
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:29:16
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

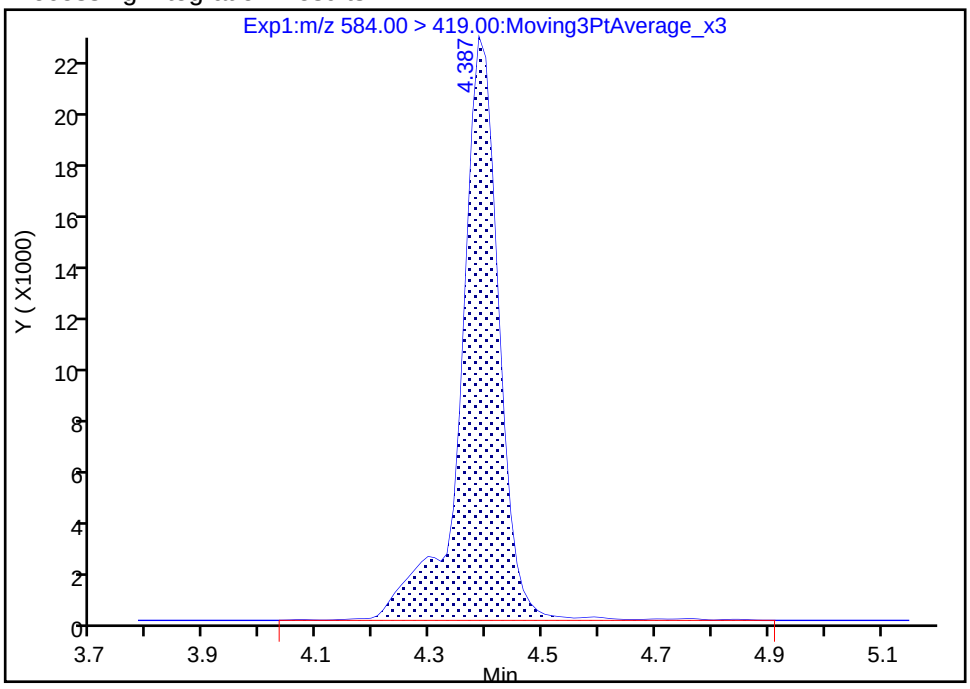
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B03.d				
Injection Date:	04-Aug-2022 14:17:31	Instrument ID:	LC812		
Lims ID:	LCS 200-182317/2-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

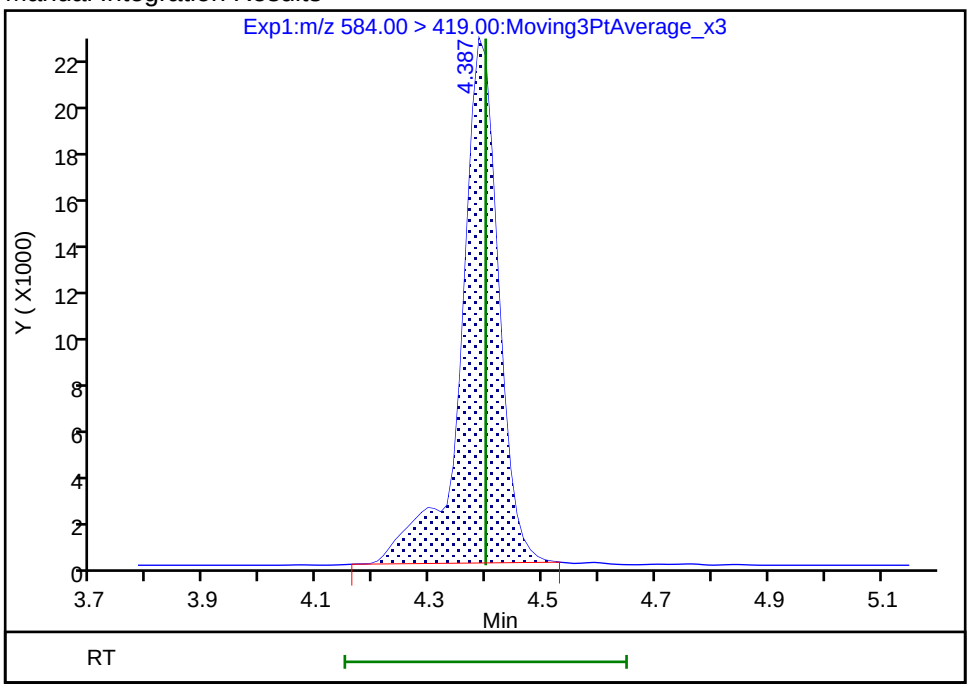
Processing Integration Results

RT: 4.39
Area: 108222
Amount: 1.006042
Amount Units: ng/ml



Manual Integration Results

RT: 4.39
Area: 105165
Amount: 0.977624
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:08:06

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

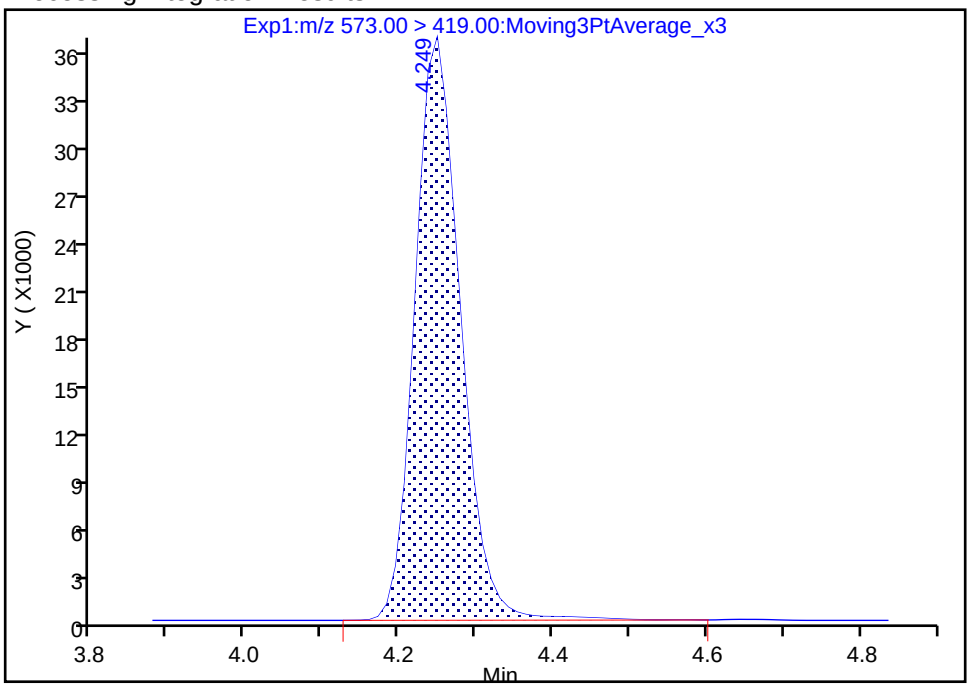
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B03.d
Injection Date: 04-Aug-2022 14:17:31 Instrument ID: LC812
Lims ID: LCS 200-182317/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

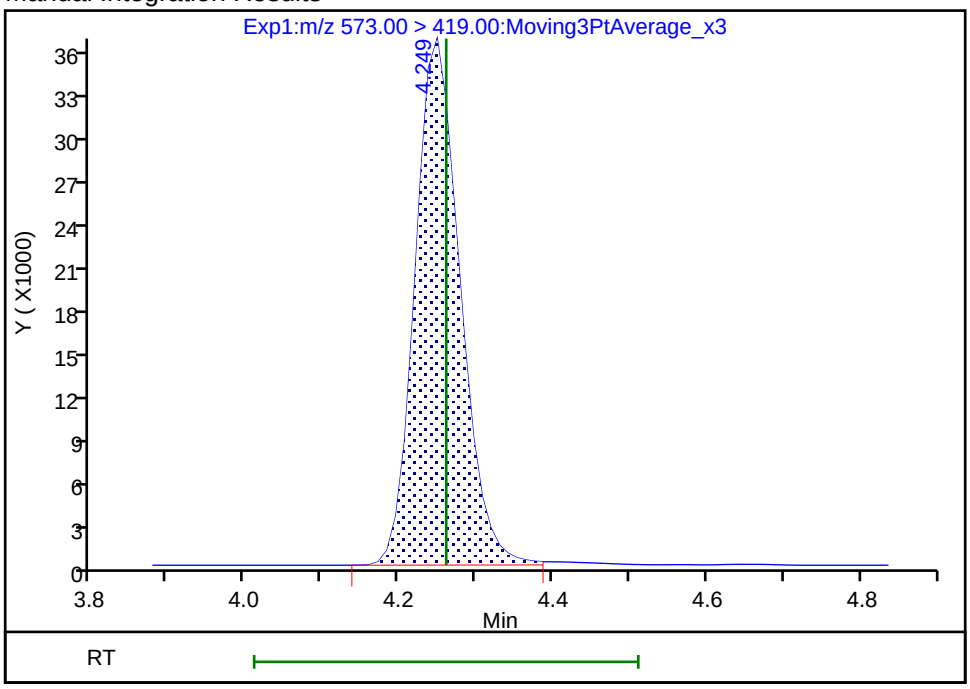
Processing Integration Results

RT: 4.25
Area: 149545
Amount: 0.897953
Amount Units: ng/ml



Manual Integration Results

RT: 4.25
Area: 148358
Amount: 0.890826
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:27:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

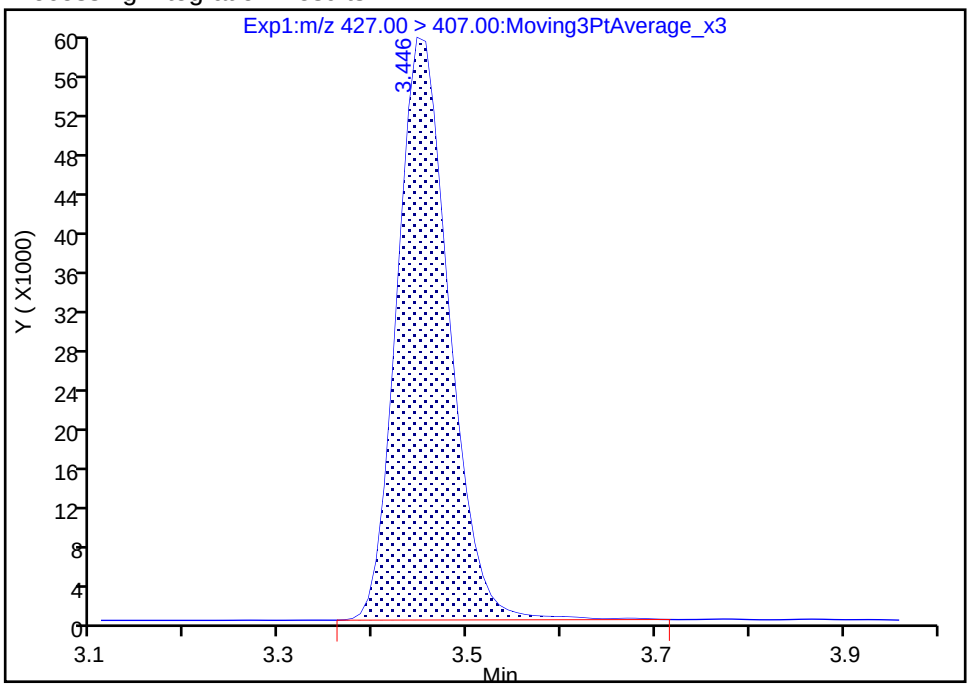
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B03.d
Injection Date: 04-Aug-2022 14:17:31 Instrument ID: LC812
Lims ID: LCS 200-182317/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

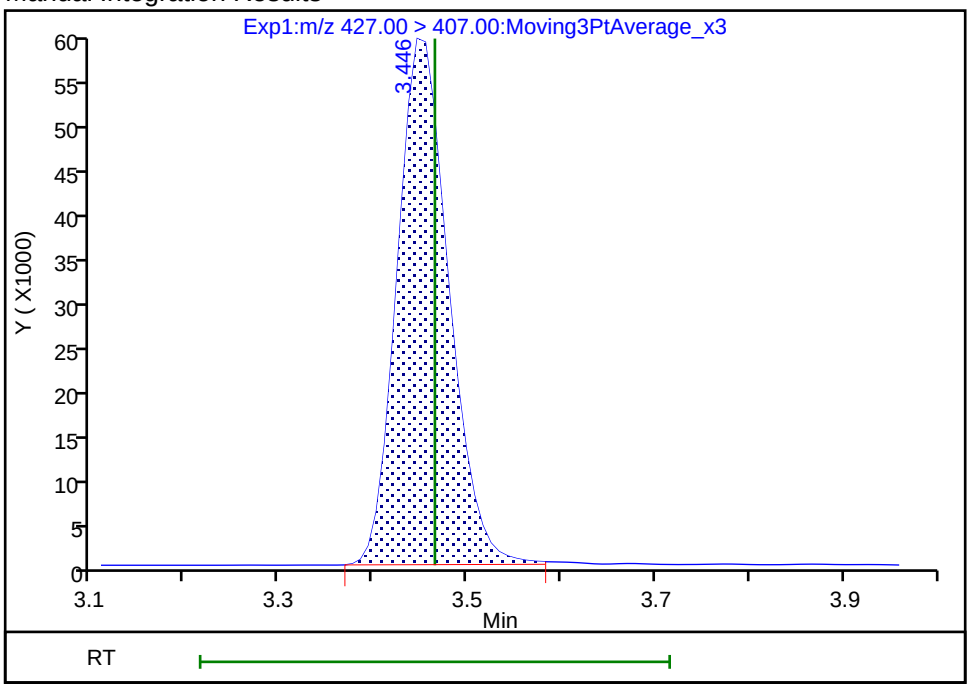
Processing Integration Results

RT: 3.45
Area: 228183
Amount: 1.067868
Amount Units: ng/ml



Manual Integration Results

RT: 3.45
Area: 226674
Amount: 1.060695
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:28:16
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

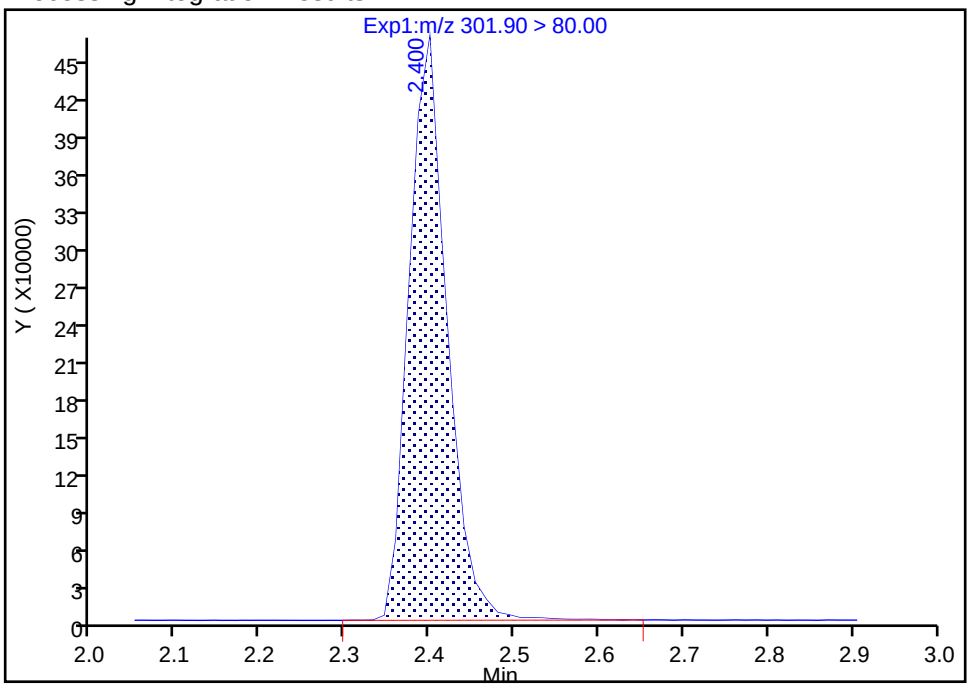
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B03.d				
Injection Date:	04-Aug-2022 14:17:31	Instrument ID:	LC812		
Lims ID:	LCS 200-182317/2-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

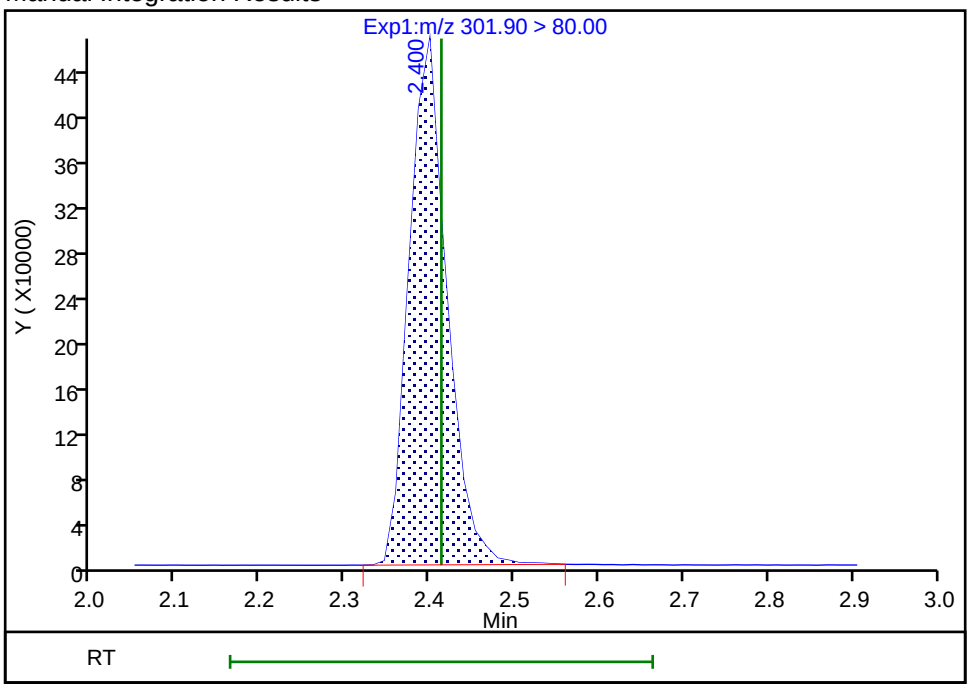
Processing Integration Results

RT: 2.40
Area: 1434337
Amount: 1.069631
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 1427824
Amount: 1.064774
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:26:04

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 200-182374/2-A

Matrix: Water Lab File ID: PA220804C03.d

Analysis Method: 537 (modified) Date Collected:

Extraction Method: 3535 Date Extracted: 08/04/2022 11:45

Sample wt/vol: 250(mL) Date Analyzed: 08/04/2022 17:17

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.: 182386 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	80.36		5.00	1.20
2706-90-3	Perfluoropentanoic acid (PFPeA)	79.54		2.00	0.68
307-24-4	Perfluorohexanoic acid (PFHxA)	81.96		2.00	0.65
375-85-9	Perfluoroheptanoic acid (PFHpA)	83.11		2.00	0.54
335-67-1	Perfluorooctanoic acid (PFOA)	82.27		2.00	0.76
375-95-1	Perfluorononanoic acid (PFNA)	82.80		2.00	0.49
335-76-2	Perfluorodecanoic acid (PFDA)	84.36		2.00	0.46
2058-94-8	Perfluoroundecanoic acid (PFUnA)	84.70		2.00	0.55
307-55-1	Perfluorododecanoic acid (PFDoA)	84.88		2.00	0.49
72629-94-8	Perfluorotridecanoic acid (PFTriA)	83.25		2.00	0.48
376-06-7	Perfluorotetradecanoic acid (PFTeA)	86.78		2.00	0.64
375-73-5	Perfluorobutanesulfonic acid (PFBS)	72.73		2.00	0.62
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	72.92		2.00	0.55
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	82.45		2.00	0.41
335-77-3	Perfluorodecanesulfonic acid (PFDS)	72.00		2.00	0.40
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	81.15		2.00	0.85
754-91-6	Perfluorooctanesulfonamide (FOSA)	81.78		2.00	0.92
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	83.89		5.00	1.90
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	79.78		5.00	1.60
27619-97-2	6:2 FTS	81.54		5.00	1.30
39108-34-4	8:2 FTS	83.50		2.00	0.77

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 460-262897-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 200-182374/2-A

Matrix: Water | Lab File ID: PA220804C03.d

Analysis Method: 537 (modified) | Date Collected:

Extraction Method: 3535 | Date Extracted: 08/04/2022 11:45

Sample wt/vol: 250(mL) | Date Analyzed: 08/04/2022 17:17

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.: 182386 | Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL01892	13C4 PFHpA	99		50-150
STL00990	13C4 PFOA	102		50-150
STL00995	13C5 PFNA	93		50-150
STL00992	13C4 PFBA	101		50-150
STL00993	13C2 PFHxA	99		50-150
STL00996	13C2 PFDA	91		50-150
STL00997	13C2 PFUnA	87		50-150
STL00994	18O2 PFHxS	98		50-150
STL00998	13C2 PFDoA	85		50-150
STL00991	13C4 PFOS	90		50-150
STL01056	13C8 FOSA	76		50-150
STL01893	13C5 PFPeA	102		50-150
STL02116	13C2 PFTeDA	91		50-150
STL02118	d3-NMeFOSAA	82		50-150
STL02117	d5-NEtFOSAA	73		50-150
STL02279	M2-6:2 FTS	96		50-150
STL02337	13C3 PFBS	92		50-150
STL02280	M2-8:2 FTS	93		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C03.d
Lims ID: LCS 200-182374/2-A
Client ID:
Sample Type: LCS
Inject. Date: 04-Aug-2022 17:17:40 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: LCS 200-182374/2-A
Misc. Info.: 200-0051963-003 Plate: 1 Rack: 3
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 05-Aug-2022 14:47:53 Calib Date: 03-Aug-2022 13:41:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1640

First Level Reviewer: khanphomeea Date: 05-Aug-2022 09:10:52
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										M
217.00 > 172.00	2.076	2.076	0.0	0.599	1988268	1.26		101	7688	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.076	2.085	-0.009	1.000	3098554	2.01		100	296	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.386	2.400	-0.014	0.689	1554955	1.28		102	3424	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.386	2.400	-0.014	1.000	2550259	1.99		99.4	86.5	
D 47 13C3 PFBS										M
301.90 > 80.00	2.400	2.413	-0.013	0.693	1507719	1.07		92.2	229873	M
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.400	2.413	-0.013	1.000	2603074	1.82	Target=2.23	103	2379	
298.90 > 99.00	2.400	2.413	-0.013	1.000	1221751		2.13(1.11-3.34)		723	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.701	2.713	-0.012	0.780	141723	1.17		100	119	M
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.701	2.713	-0.012	1.000	568031	1.97		105	2864	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.737	2.750	-0.013	1.000	2560074	2.05	Target=12.24	102	416	M
313.00 > 119.00	2.737	2.750	-0.013	1.000	206222		12.41(6.12-18.36)		264	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.737	2.750	-0.013	0.790	1496653	1.23		98.6	2647	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.737	2.750	-0.013	0.880	2361296	1.88	Target=2.95	100	1316	M
349.00 > 99.00	2.737	2.750	-0.013	0.880	800126		2.95(1.48-4.43)		1102	
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.847	2.859	-0.012	0.822	293027	1.28		103	1533	

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	2.859	-0.012	1.000	508427	2.02		101	1600	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.110	3.110	0.0	0.898	1143584	1.16		97.7	2634	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.110	3.110	0.0	1.000	1944453	1.82	Target=3.43	100	1385	M
399.00 > 99.00	3.110	3.110	0.0	1.000	572400		3.40(1.72-5.15)		544	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.110	3.121	-0.011	0.898	1553538	1.23		98.7	2646	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.110	3.121	-0.011	1.000	2661401	2.08	Target=3.73	104	611	
363.00 > 169.00	3.110	3.121	-0.011	1.000	705271		3.77(1.86-5.59)		991	
77 DONA										M
377.00 > 251.00	3.154	3.154	0.0	0.834	5721031	2.10	Target=2.84	111	2456	M
377.00 > 85.00	3.143	3.154	-0.011	0.831	2121475		2.70(1.42-4.26)		1642	
D 12 M2-6:2 FTS										
429.00 > 81.00	3.455	3.465	-0.010	0.997	188728	1.14		96.0	656	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.455	3.465	-0.010	1.000	475987	2.04		108	727	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.455	3.465	-0.010	0.914	1687802	2.06	Target=4.89	108	1592	M
449.00 > 99.00	3.455	3.465	-0.010	0.914	338283		4.99(2.44-7.33)		727	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.464	3.474	-0.010	1.000	3027124	2.06	Target=2.67	103	341	M
413.00 > 169.00	3.464	3.474	-0.010	1.000	1111373		2.72(1.34-4.01)		1433	M
D 14 13C4 PFOA										
417.00 > 372.00	3.464	3.474	-0.010	1.000	1640589	1.27		102	3057	
* 62 13C2 PFOA										
415.00 > 370.00	3.464	3.474	-0.010		1693062	1.25			2975	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.791	3.792	-0.001	1.003	1349327	2.03	Target=4.88	109	634	M
499.00 > 99.00	3.782	3.792	-0.010	1.000	299412		4.51(2.44-7.32)		968	M
D 18 13C4 PFOS										
503.00 > 80.00	3.782	3.792	-0.010	1.092	791619	1.07		89.7	1768	
20 Perfluorononanoic acid										
463.00 > 419.00	3.811	3.812	-0.001	1.000	2634355	2.07	Target=8.23	104	746	
463.00 > 169.00	3.811	3.812	-0.001	1.000	329784		7.99(4.11-12.34)		1568	
D 19 13C5 PFNA										M
468.00 > 423.00	3.811	3.812	-0.001	1.100	1563379	1.17		93.4	1579	M
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.960	3.960	0.0	1.047	2329076	1.99		107	2054	M
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.081	4.093	-0.012	1.079	1016139	1.96	Target=2.53	102	1959	M
549.00 > 99.00	4.081	4.093	-0.012	1.079	406581		2.50(1.26-3.79)		1332	M
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.115	4.116	-0.001	1.000	2633988	2.11	Target=9.67	105	962	M
513.00 > 169.00	4.115	4.116	-0.001	1.000	288695		9.12(4.83-14.50)		1146	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 23 13C2 PFDA										M
515.00 > 470.00	4.115	4.116	-0.001	1.188	1484468	1.14		91.1	1834	M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.127	4.127	0.0	1.000	372631	2.09		109	1289	M
D 26 M2-8:2 FTS										
529.00 > 81.00	4.127	4.127	0.0	1.191	221352	1.11		92.8	1140	
D 21 13C8 FOSA										M
506.00 > 78.00	4.150	4.161	-0.011	1.198	1077109	0.9441		75.5	2316	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.161	4.161	0.0	1.003	1795232	2.04		102	2121	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.261	4.261	0.0	1.000	266431	2.10		105	494	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.261	4.261	0.0	1.230	178794	1.02		81.9	391	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.364	4.365	-0.001	1.154	694791	1.80	Target=2.80	93.4	2055	M
599.00 > 99.00	4.364	4.365	-0.001	1.154	268637		2.59(1.40-4.20)		1788	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.387	4.387	0.0	1.267	1077985	1.09		87.3	1588	
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.387	4.387	0.0	1.000	1934706	2.12	Target=9.07	106	1138	M
563.00 > 169.00	4.387	4.387	0.0	1.000	220182		8.79(4.54-13.61)		1346	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.410	4.399	0.011	1.003	218430	1.99		99.7	576	M
D 32 d5-NEtFOSAA										M
589.00 > 419.00	4.398	4.399	-0.001	1.270	150776	0.9117		72.9	718	M
66 11-Chloroeicosafluoro-3-oxaundec										
631.00 > 451.00	4.491	4.491	0.0	1.188	2575909	1.69		89.8	3451	
D 36 13C2 PFDoA										
615.00 > 570.00	4.633	4.633	0.0	1.337	1081870	1.06		84.6	2521	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.633	4.633	0.0	1.000	1862550	2.12	Target=6.97	106	283	M
613.00 > 169.00	4.633	4.633	0.0	1.000	267670		6.96(3.48-10.45)		761	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.654	4.654	0.0	1.128	163595	1.96		102	894	M
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.812	4.813	-0.001	1.273	292469	1.71	Target=0.52	88.2	1097	M
699.00 > 99.00	4.812	4.813	-0.001	1.273	533684		0.55(0.26-0.79)		1578	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.859	4.859	0.0	1.049	1583487	2.08	Target=4.56	104	315	M
663.00 > 169.00	4.859	4.859	0.0	1.049	322602		4.91(2.28-6.84)		821	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.062	5.052	0.010	1.461	953369	1.14		91.2	1945	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.062	5.052	0.010	1.000	265099	2.17	Target=0.94	108	1478	
713.00 > 219.00	5.062	5.052	0.010	1.000	277160		0.96(0.47-1.41)		907	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	5.444	5.422	0.022	1.000	1691835	2.11	Target=4.38	106	453	M
813.00 > 169.00	5.444	5.422	0.022	1.000	384805		4.40(2.19-6.57)		1724	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.444	5.422	0.022	1.572	1107757	1.16		93.0	3247	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.827	5.795	0.032	1.070	1262142	2.14	Target=4.31	107	289	M
913.00 > 169.00	5.827	5.795	0.032	1.070	296748		4.25(2.16-6.47)		1040	

QC Flag Legend

Processing Flags

Review Flags

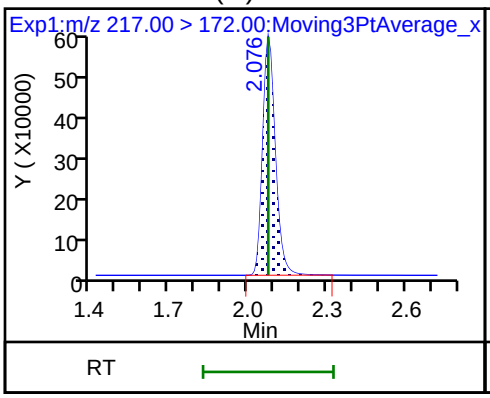
M - Manually Integrated

Report Date: 05-Aug-2022 14:48:04 Chrom Revision: 2.3 04-Aug-2022 18:02:28

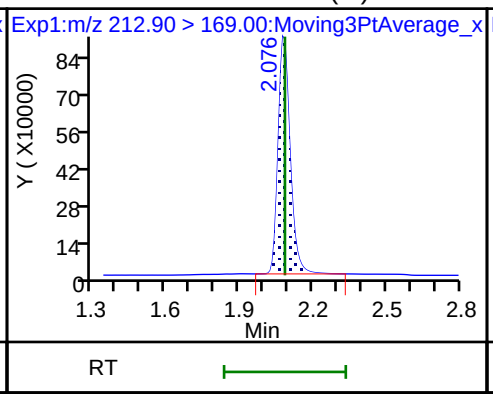
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C03.d
Injection Date: 04-Aug-2022 17:17:40 Instrument ID: LC812
Lims ID: LCS 200-182374/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL

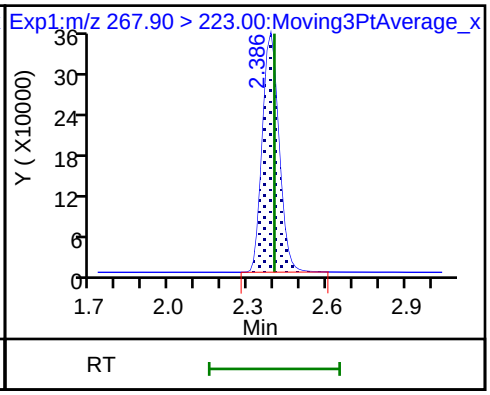
D 1 13C4 PFBA (M)



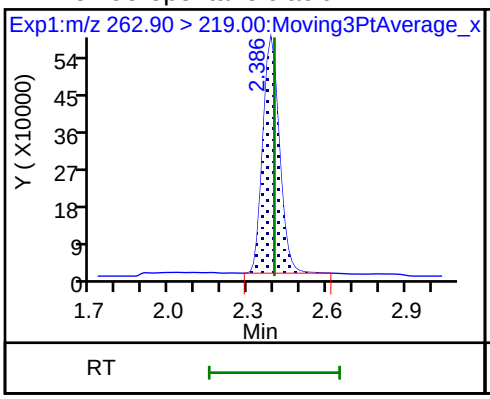
2 Perfluorobutanoic acid (M)



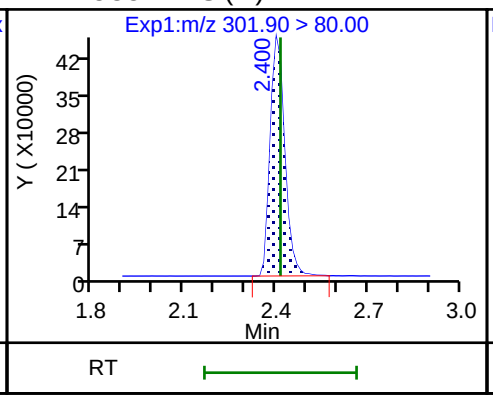
D 3 13C5 PFPeA



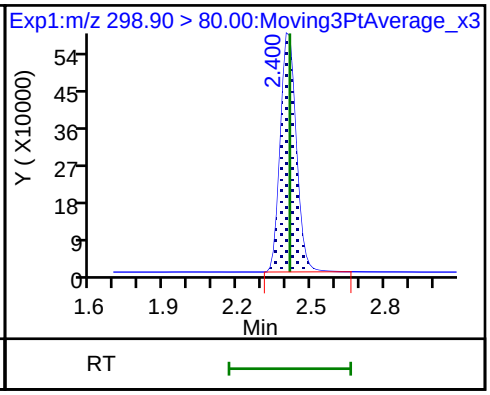
4 Perfluoropentanoic acid



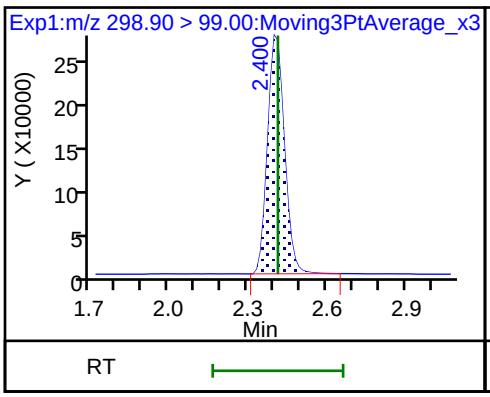
D 47 13C3 PFBS (M)



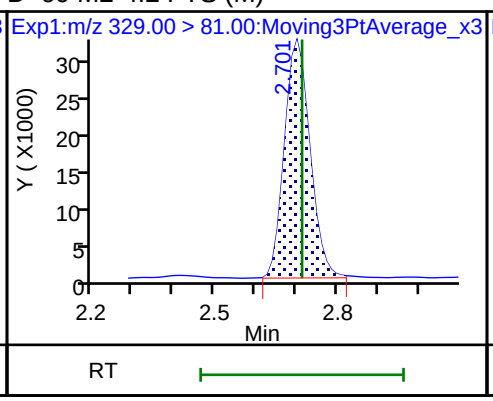
5 Perfluorobutanesulfonic acid



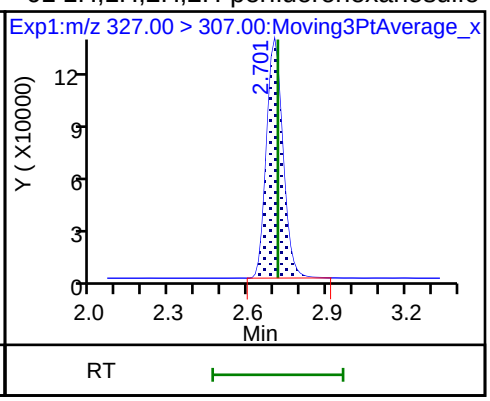
5 Perfluorobutanesulfonic acid



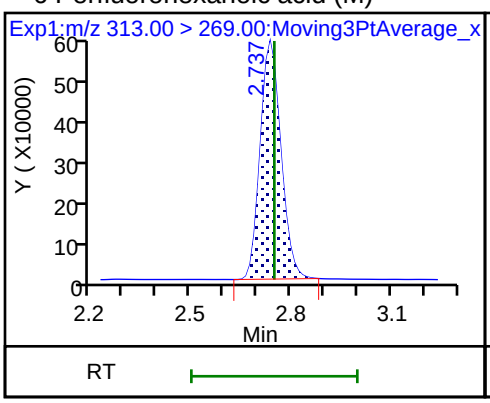
D 60 M2-4:2 FTS (M)



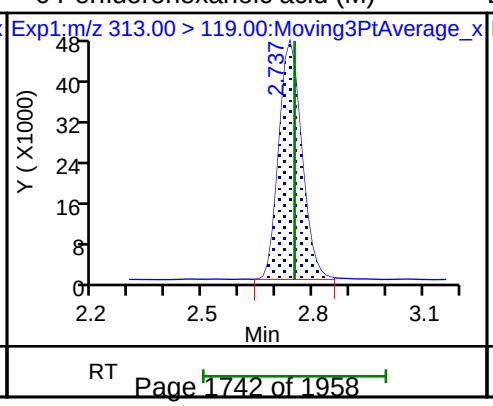
61 1H,1H,2H,2H-perfluorohexanesulfo



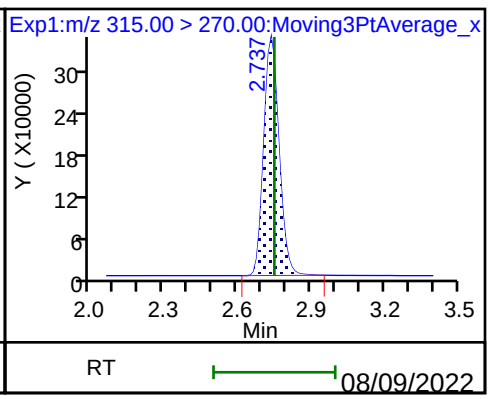
6 Perfluorohexanoic acid (M)



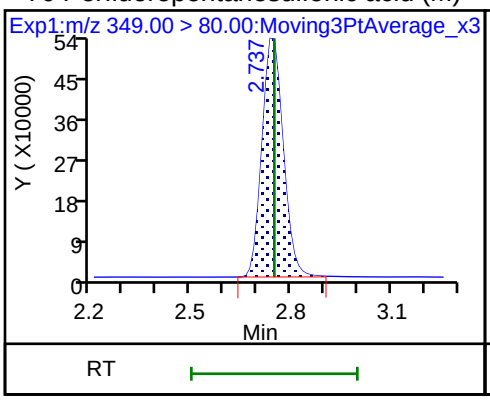
6 Perfluorohexanoic acid (M)



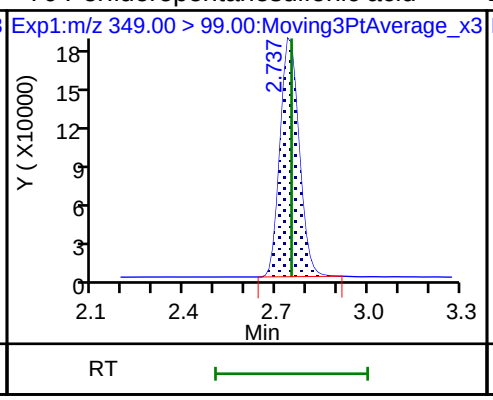
D 7 13C2 PFHxA



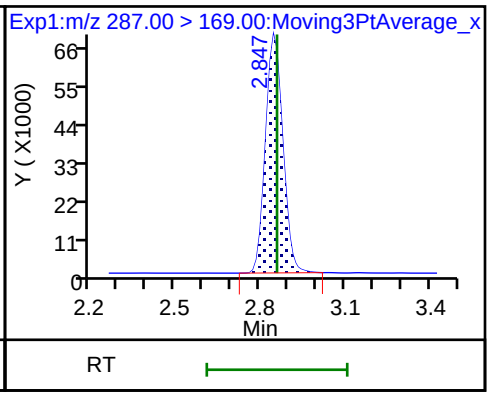
70 Perfluoropentanesulfonic acid (M)



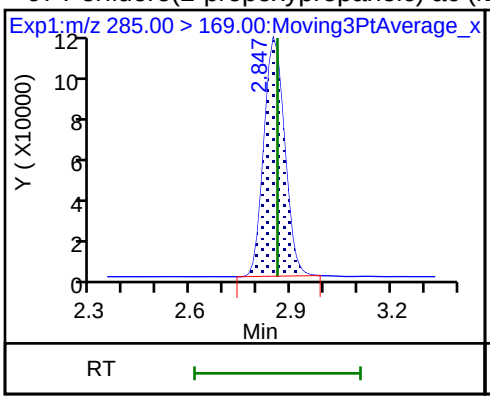
70 Perfluoropentanesulfonic acid



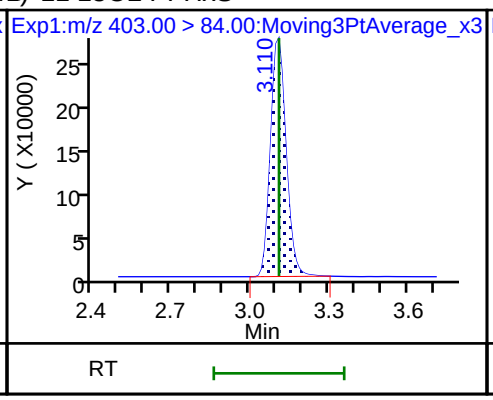
D 64 13C3 HFPO-DA



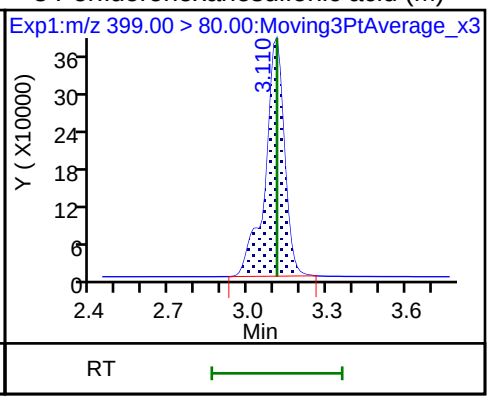
67 Perfluoro(2-propoxypropanoic) ac (M)



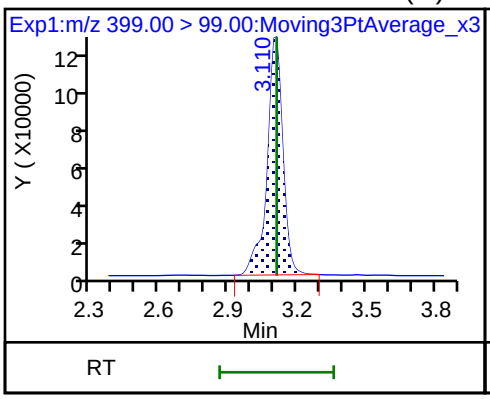
D 11 18O2 PFHxS



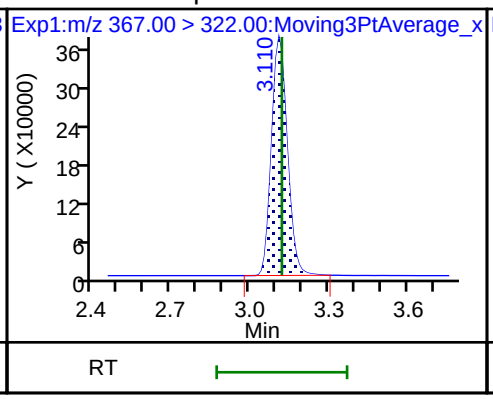
8 Perfluorohexanesulfonic acid (M)



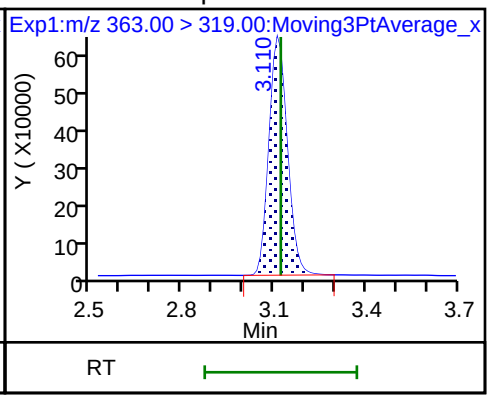
8 Perfluorohexanesulfonic acid (M)



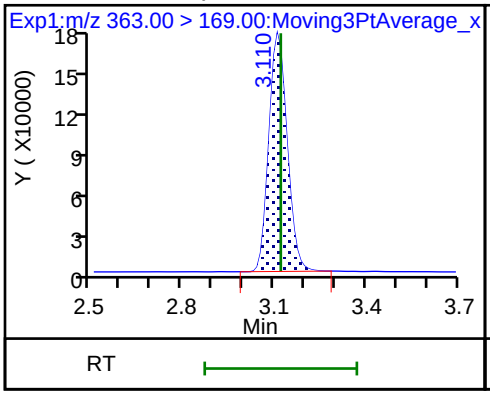
D 9 13C4 PFHpA



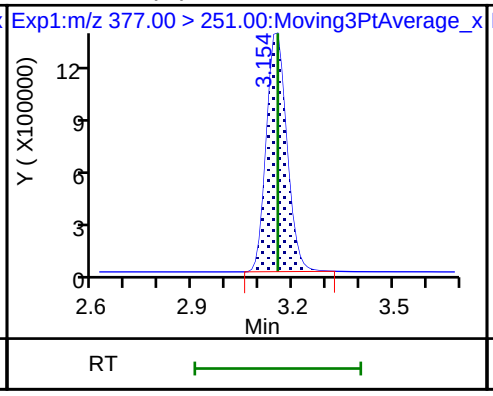
10 Perfluoroheptanoic acid



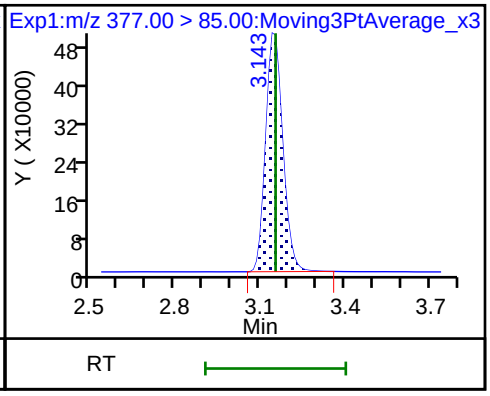
10 Perfluoroheptanoic acid



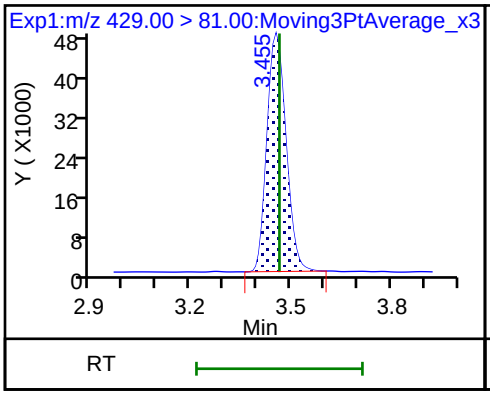
77 DONA (M)



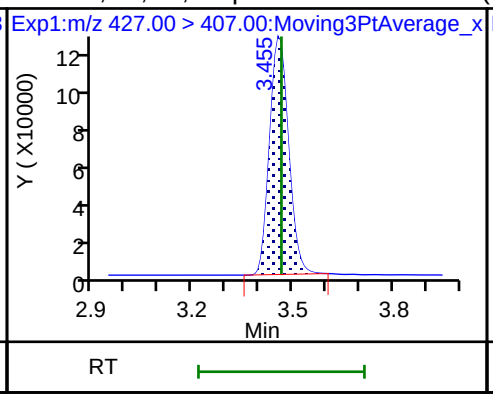
77 DONA



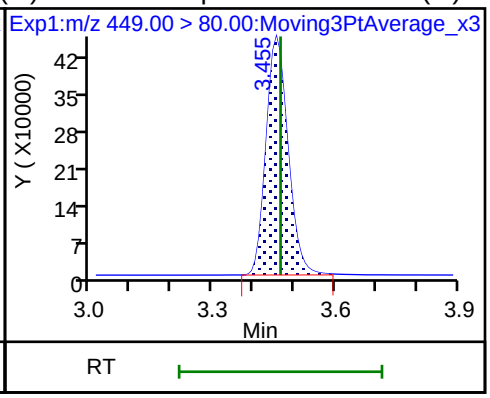
D 12 M2-6:2 FTS



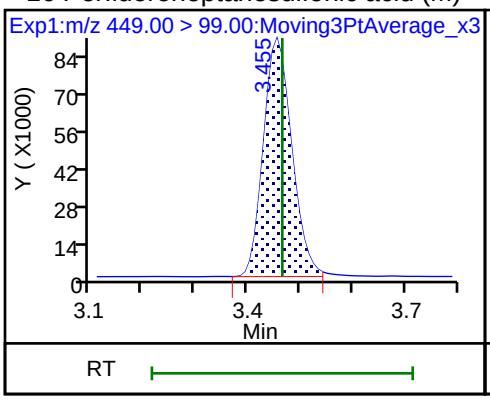
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



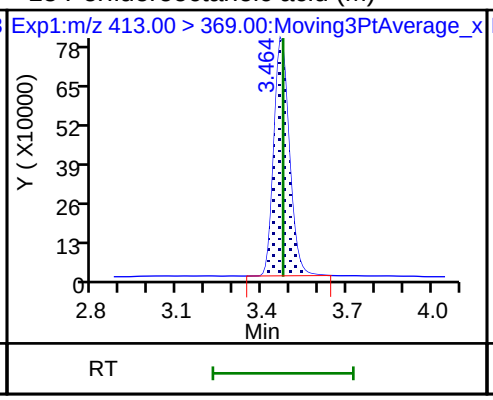
16 Perfluoroheptanesulfonic acid (M)



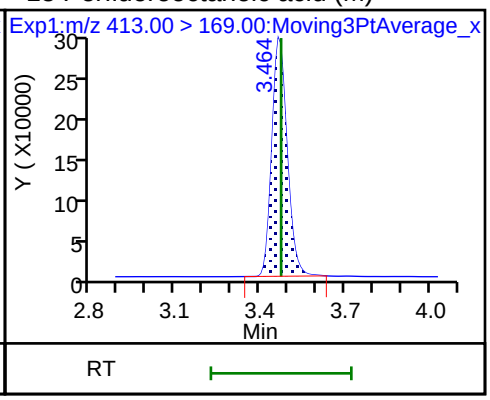
16 Perfluoroheptanesulfonic acid (M)



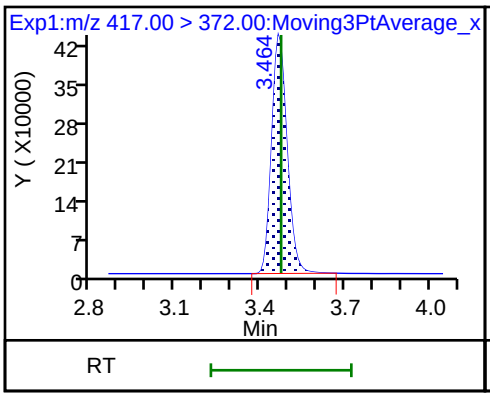
15 Perfluorooctanoic acid (M)



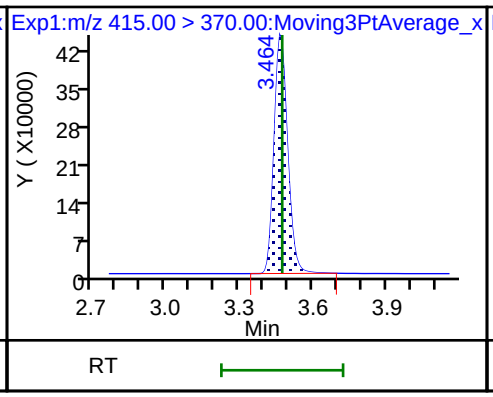
15 Perfluorooctanoic acid (M)



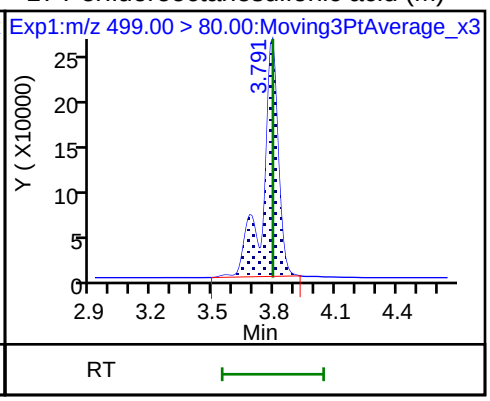
D 14 13C4 PFOA



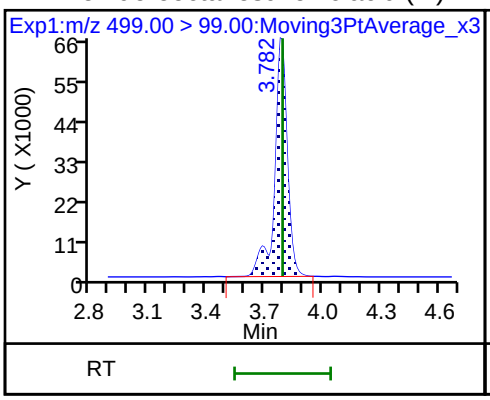
* 62 13C2 PFOA



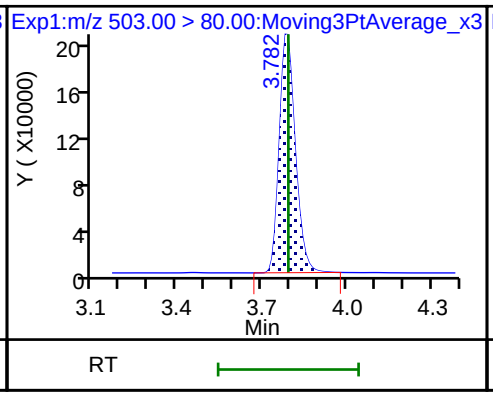
17 Perfluorooctanesulfonic acid (M)



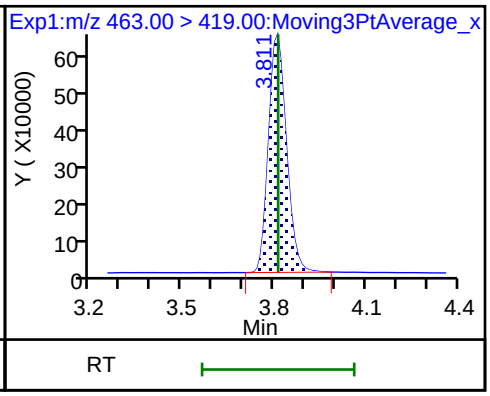
17 Perfluorooctanesulfonic acid (M)



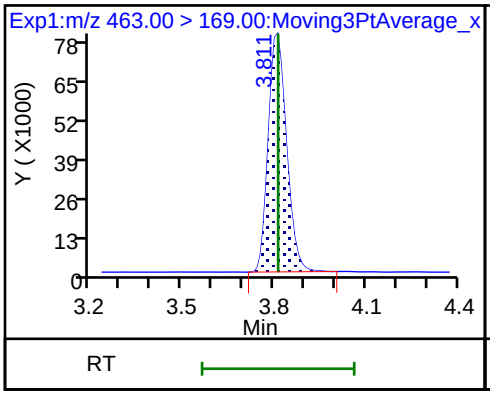
D 18 13C4 PFOS



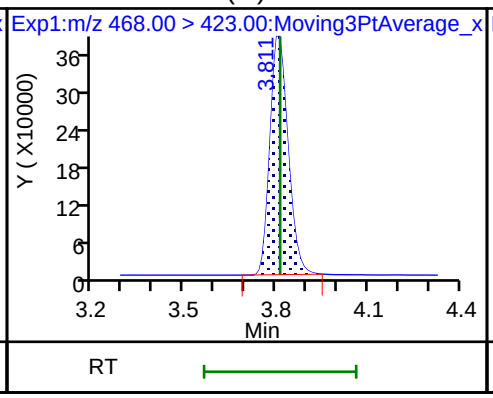
20 Perfluorononanoic acid



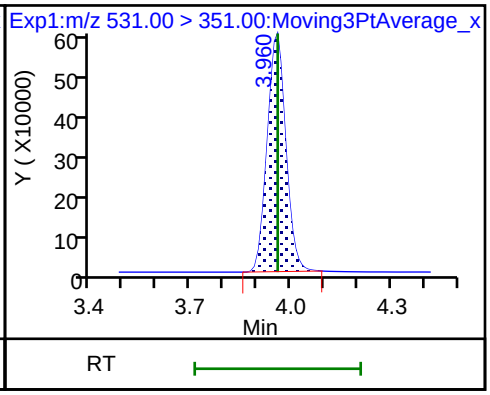
20 Perfluorononanoic acid



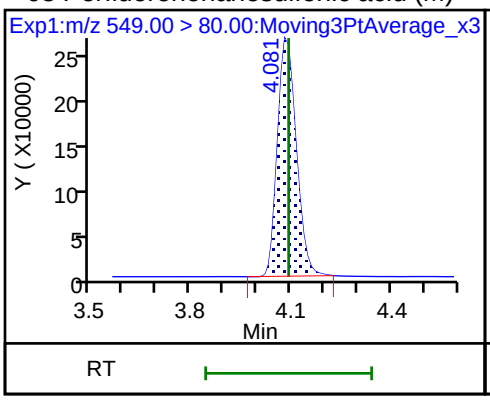
D 19 13C5 PFNA (M)



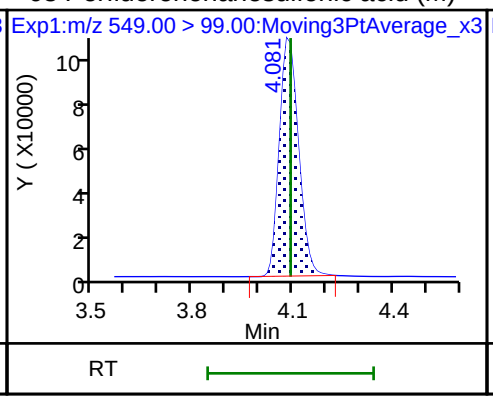
69 9-Chlorohexadecafluoro-3-oxanona (M)



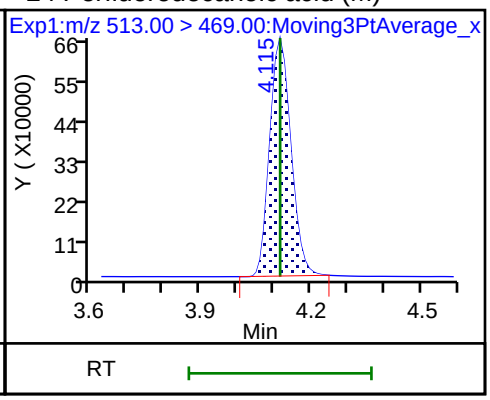
68 Perfluorononanesulfonic acid (M)



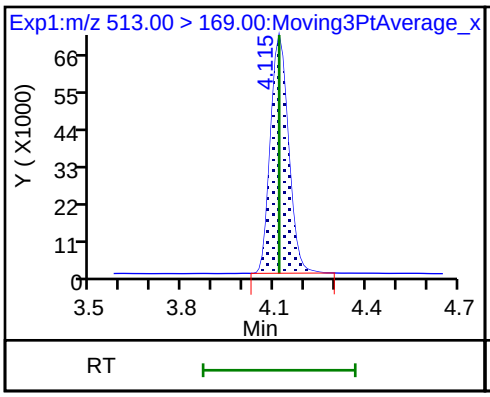
68 Perfluorononanesulfonic acid (M)



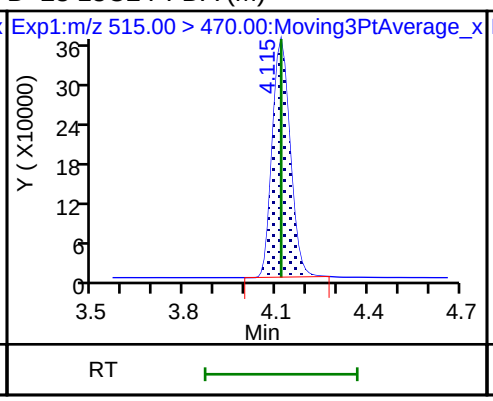
24 Perfluorodecanoic acid (M)



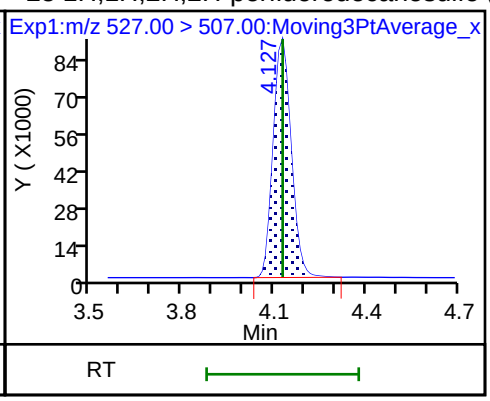
24 Perfluorodecanoic acid



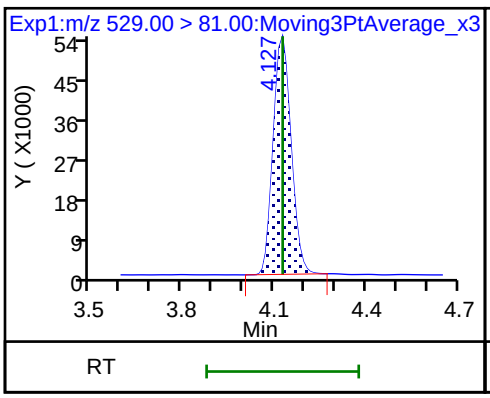
D 23 13C2 PFDA (M)



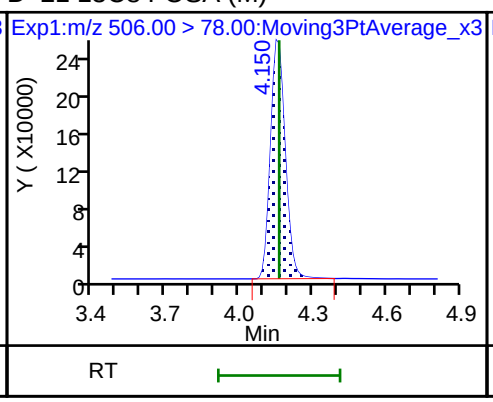
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



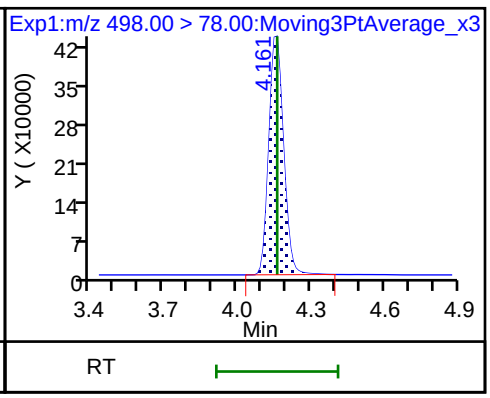
D 26 M2-8:2 FTS



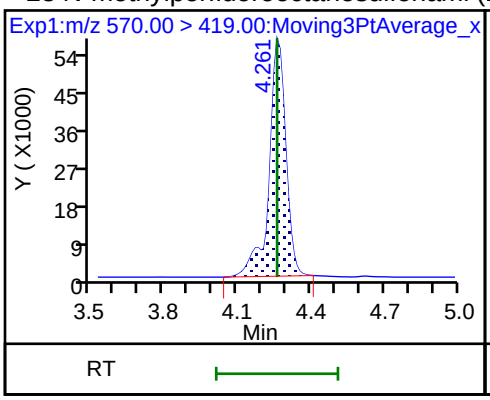
D 21 13C8 FOSA (M)



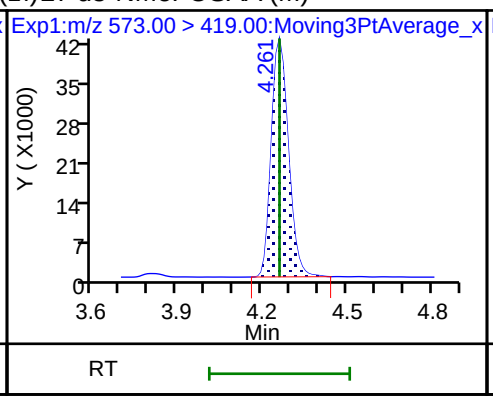
22 Perfluorooctanesulfonamide



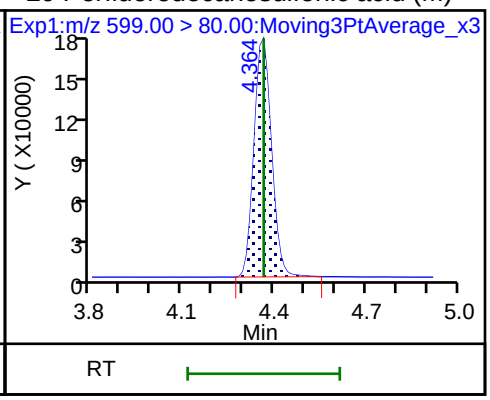
28 N-methylperfluorooctanesulfonami (M)



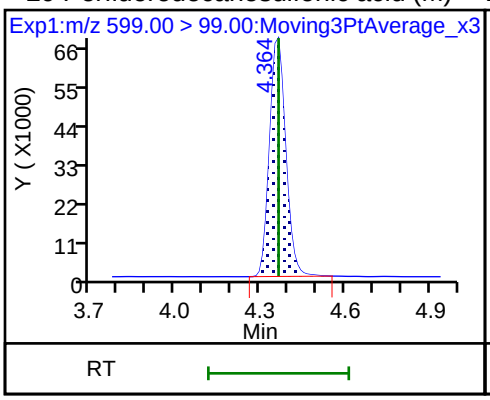
D 27 d3-NMeFOSAA (M)



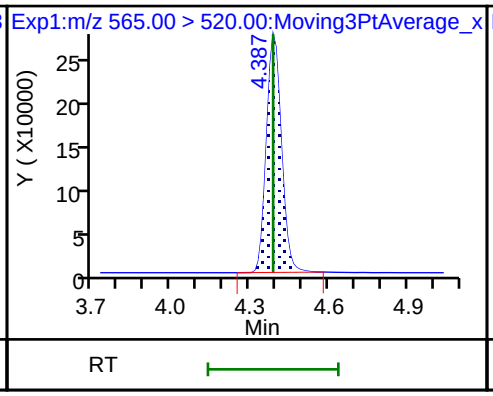
29 Perfluorodecanesulfonic acid (M)



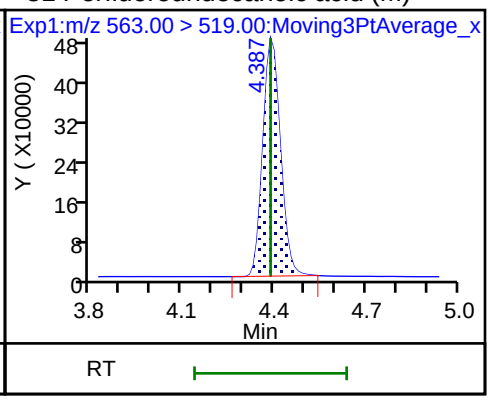
29 Perfluorodecanesulfonic acid (M)



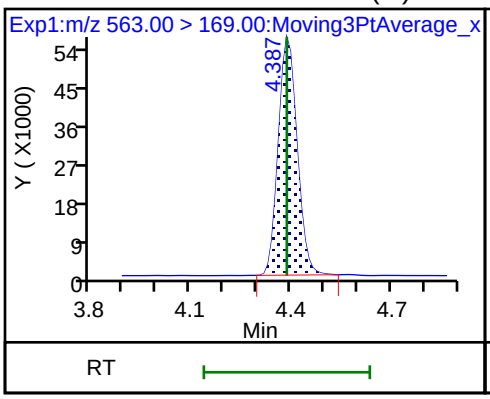
D 30 13C2 PFUnA



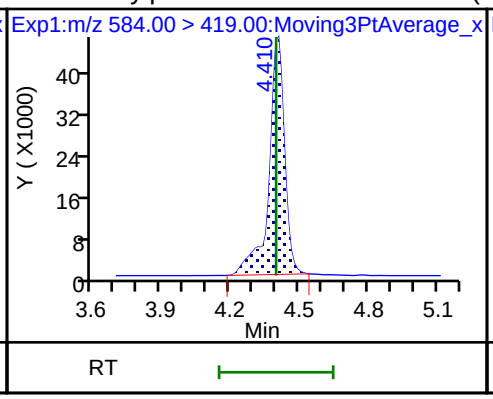
31 Perfluoroundecanoic acid (M)



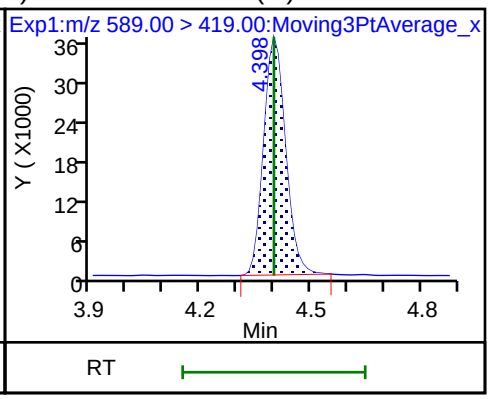
31 Perfluoroundecanoic acid (M)



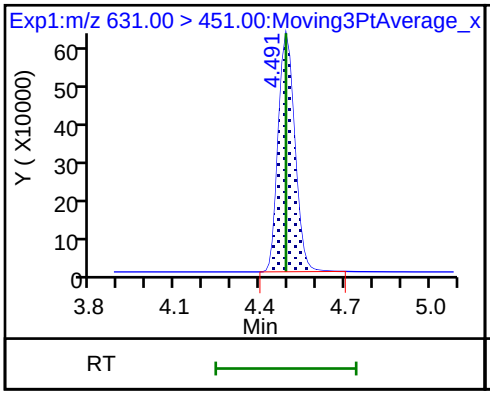
33 N-ethylperfluorooctanesulfonamid (M)



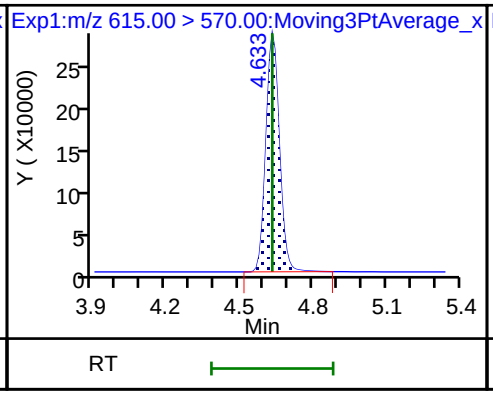
D 32 d5-NEtFOSAA (M)



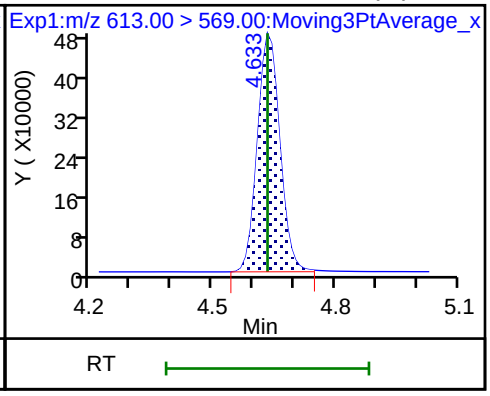
66 11-Chloroeicosafluoro-3-oxaundec



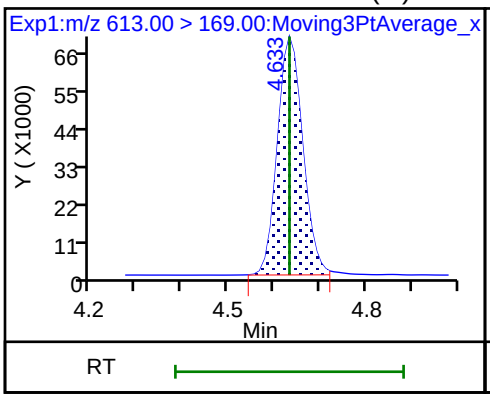
D 36 13C2 PFDoA



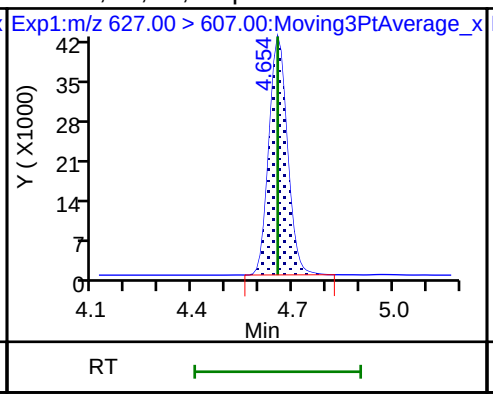
37 Perfluorododecanoic acid (M)



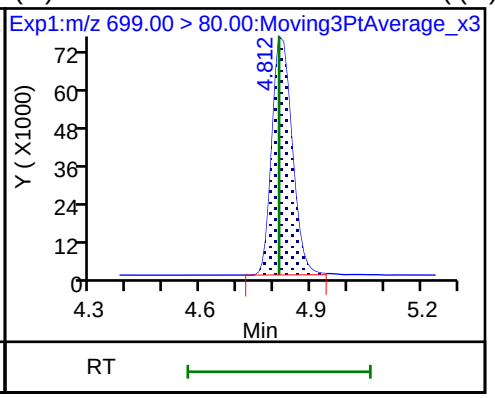
37 Perfluorododecanoic acid (M)



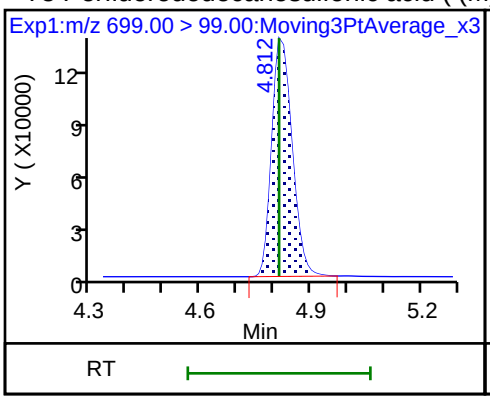
74 1H,1H,2H,2H-perfluorododecanesul (M)



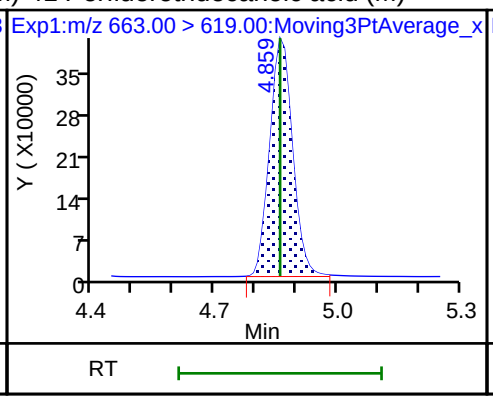
75 Perfluorododecanesulfonic acid ((M)



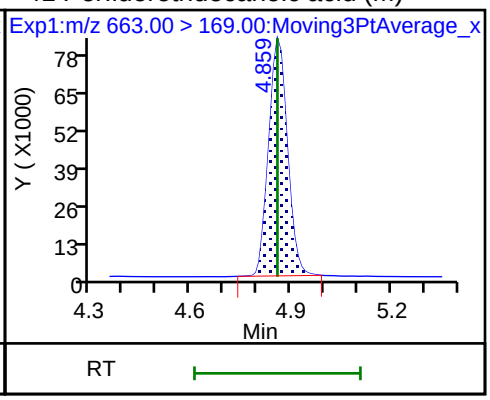
75 Perfluorododecanesulfonic acid ((M)



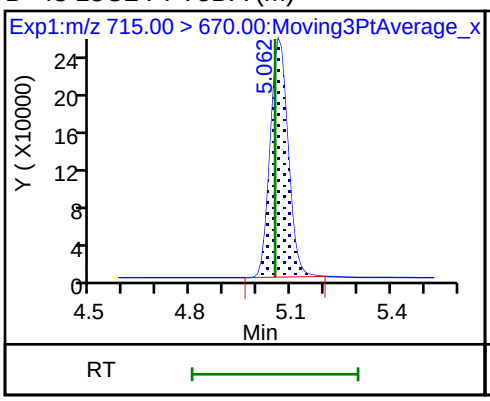
41 Perfluorotridecanoic acid (M)



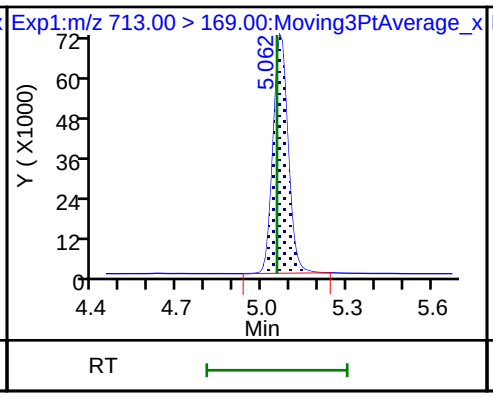
41 Perfluorotridecanoic acid (M)



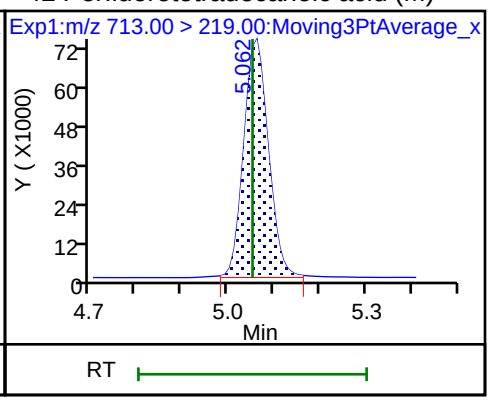
D 43 13C2 PFTeDA (M)



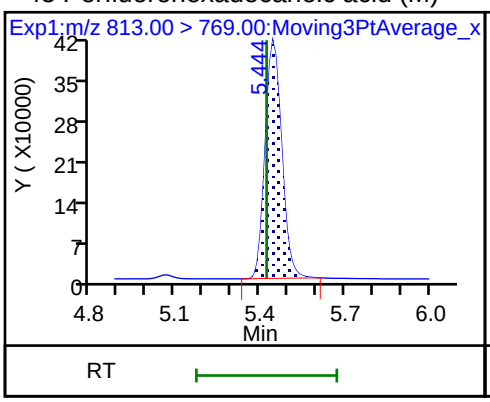
42 Perfluorotetradecanoic acid



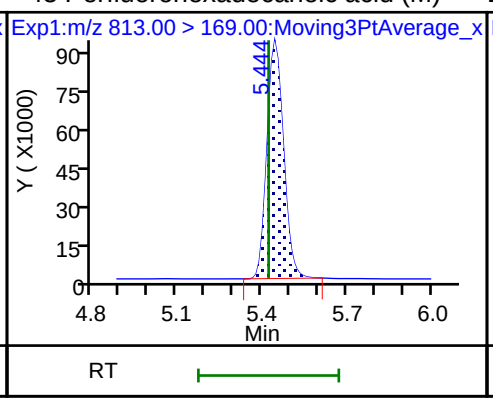
42 Perfluorotetradecanoic acid (M)



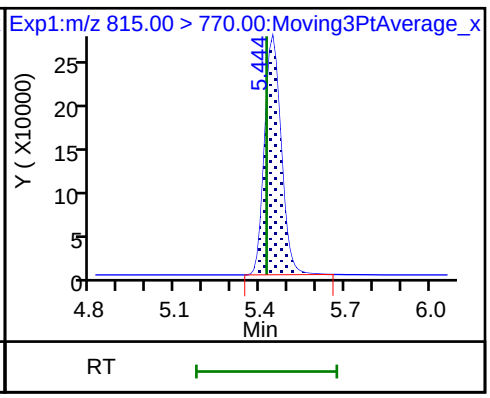
45 Perfluorohexadecanoic acid (M)



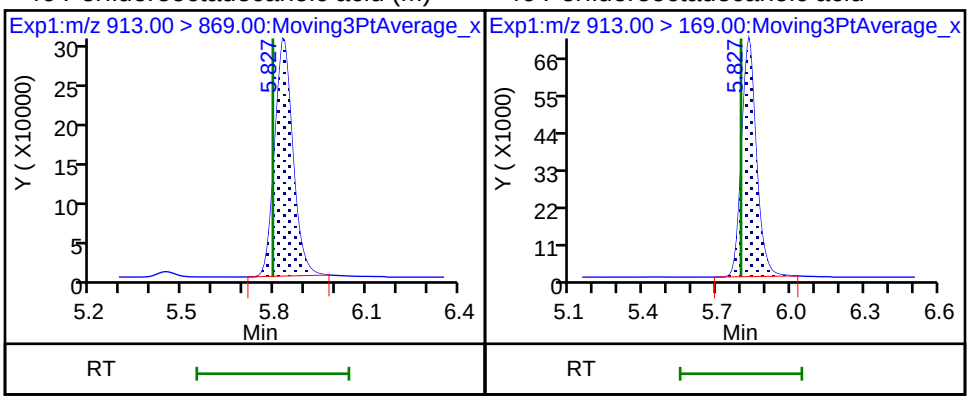
45 Perfluorohexadecanoic acid (M)



D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M) 46 Perfluorooctadecanoic acid



Manual Integration/User Assign Peak Report

Eurofins Burlington

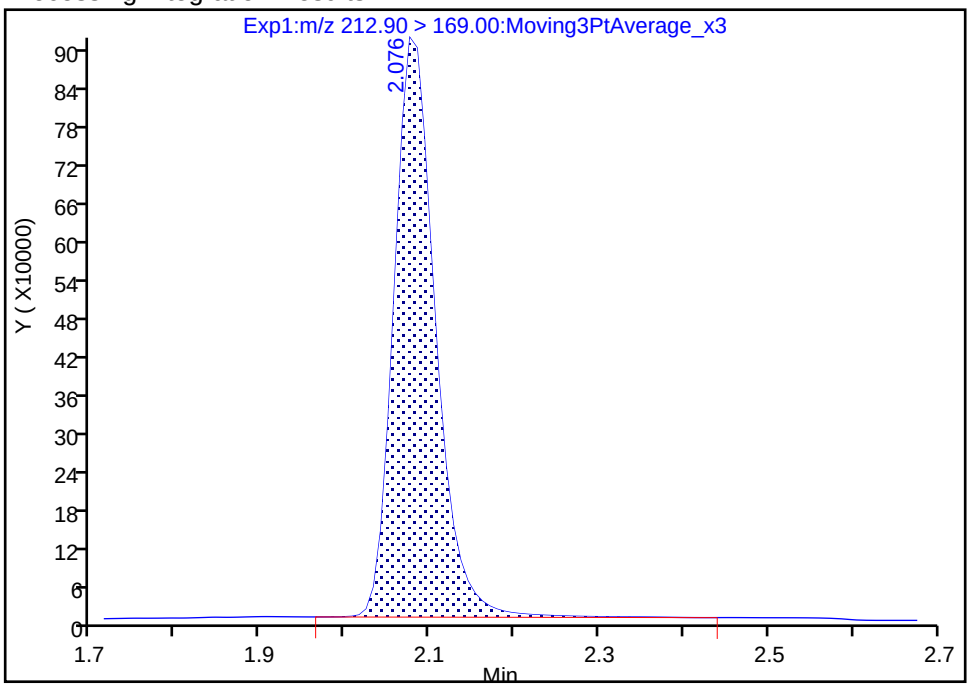
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C03.d
Injection Date: 04-Aug-2022 17:17:40 Instrument ID: LC812
Lims ID: LCS 200-182374/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

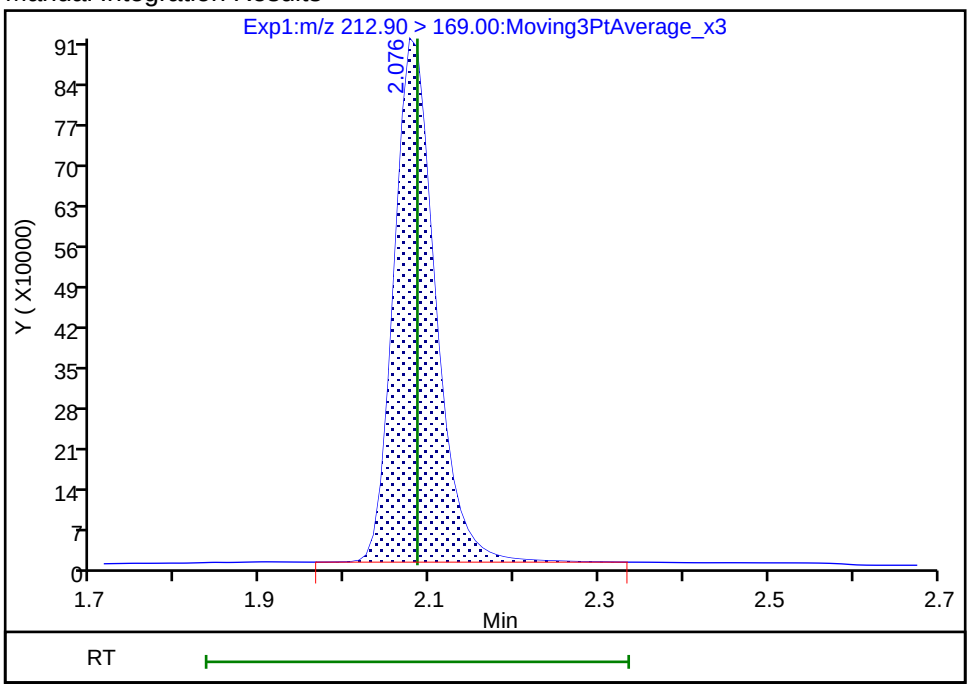
Processing Integration Results

RT: 2.08
Area: 3110687
Amount: 2.011909
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 3098554
Amount: 2.008913
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:05:03
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

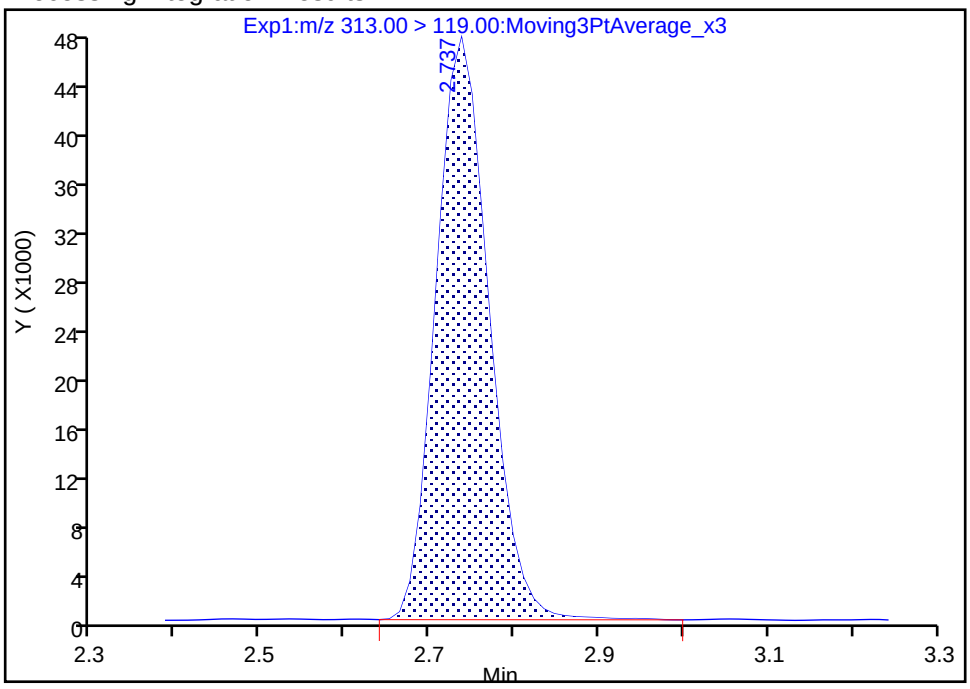
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C03.d
Injection Date: 04-Aug-2022 17:17:40 Instrument ID: LC812
Lims ID: LCS 200-182374/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

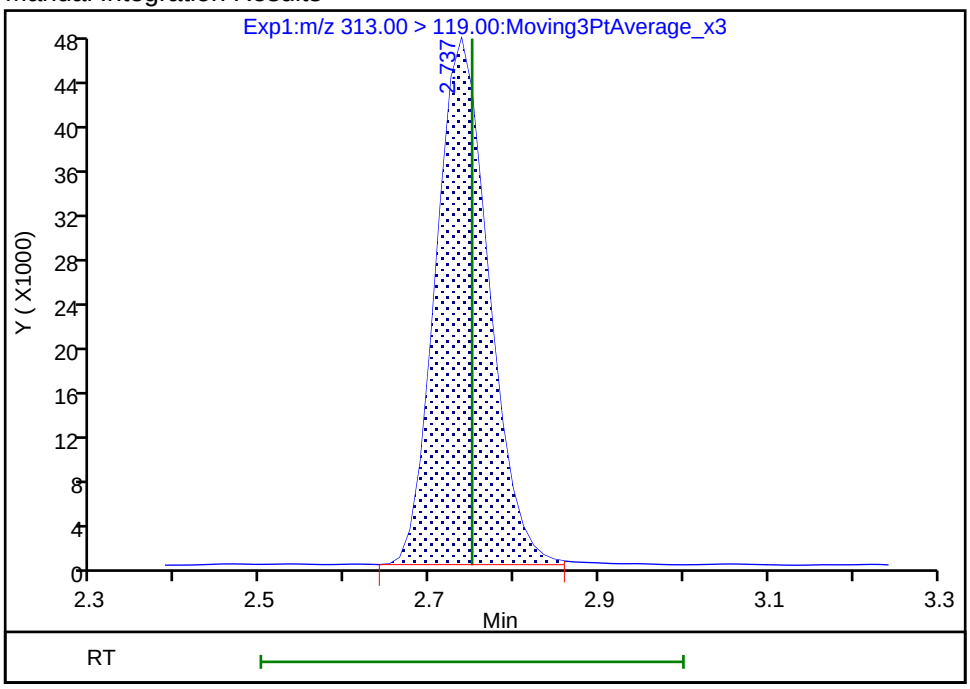
Processing Integration Results

RT: 2.74
Area: 207208
Amount: 2.074442
Amount Units: ng/ml



Manual Integration Results

RT: 2.74
Area: 206222
Amount: 2.049114
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:05:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

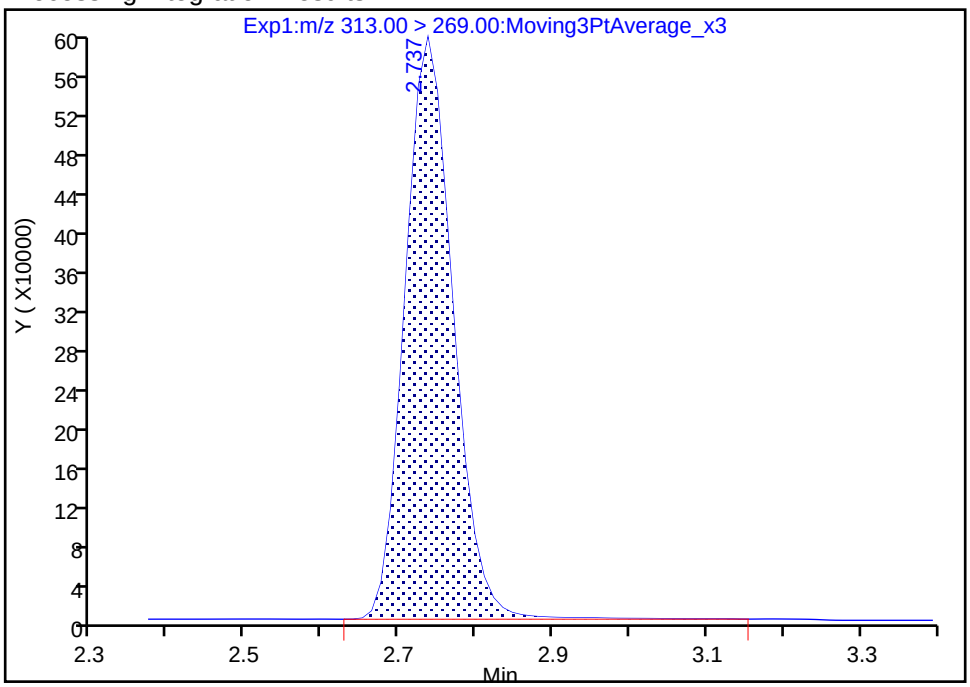
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C03.d
Injection Date: 04-Aug-2022 17:17:40 Instrument ID: LC812
Lims ID: LCS 200-182374/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

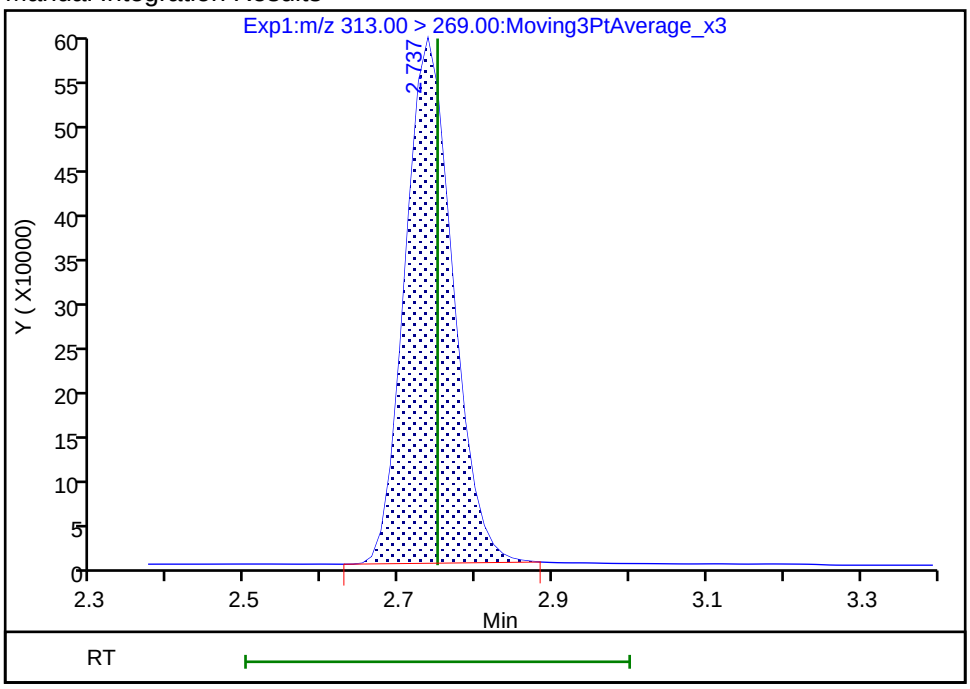
Processing Integration Results

RT: 2.74
Area: 2591718
Amount: 2.074442
Amount Units: ng/ml



Manual Integration Results

RT: 2.74
Area: 2560074
Amount: 2.049114
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 13:08:06
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

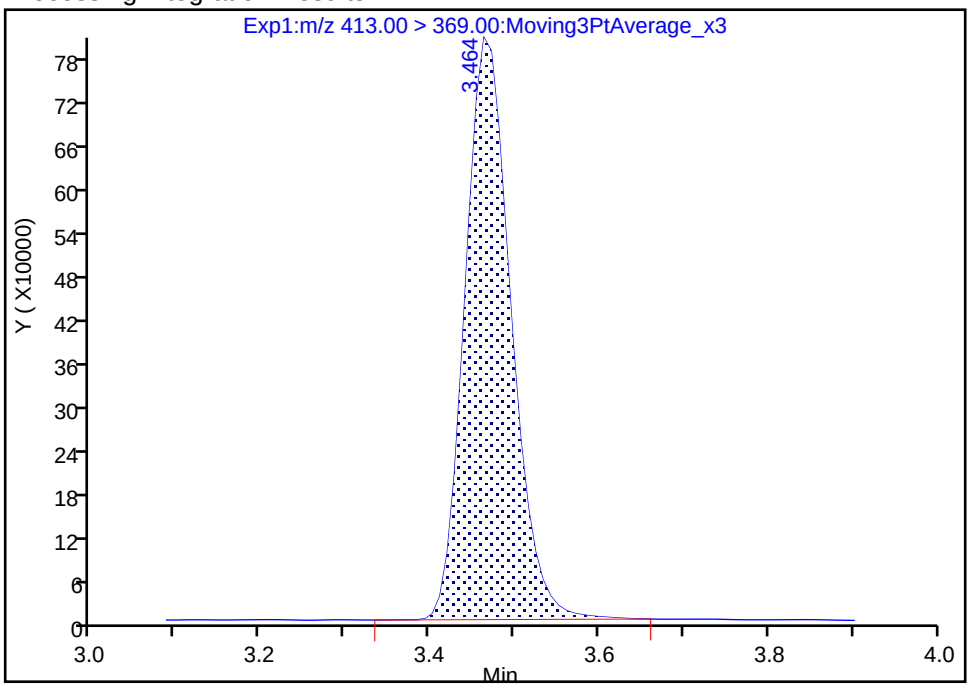
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C03.d
Injection Date: 04-Aug-2022 17:17:40 Instrument ID: LC812
Lims ID: LCS 200-182374/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

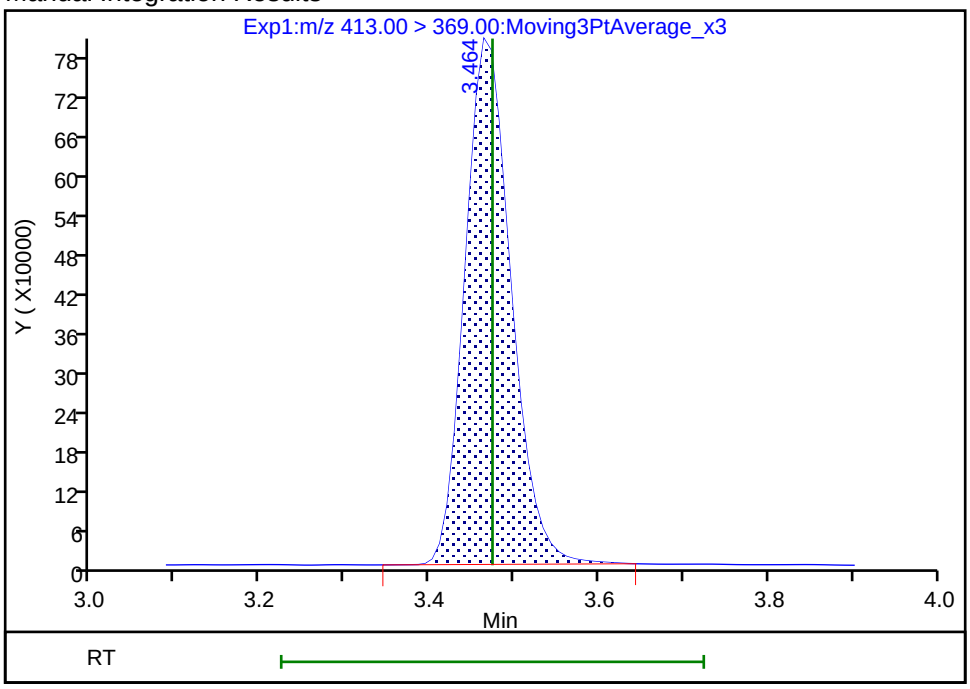
Processing Integration Results

RT: 3.46
Area: 3031903
Amount: 2.059992
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 3027124
Amount: 2.056745
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 13:08:42
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

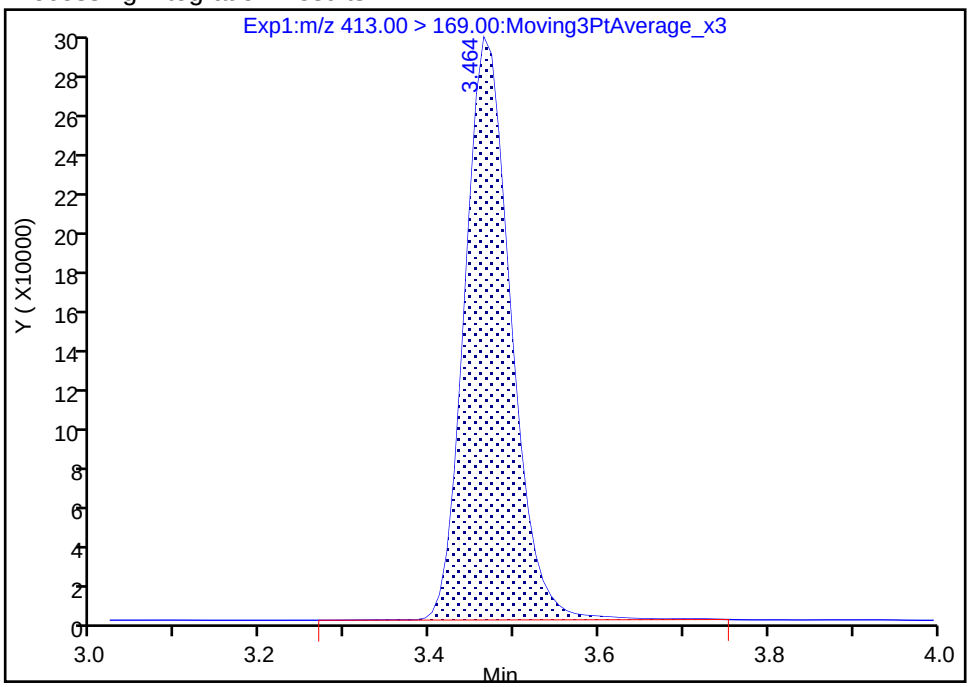
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C03.d				
Injection Date:	04-Aug-2022 17:17:40	Instrument ID:	LC812		
Lims ID:	LCS 200-182374/2-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

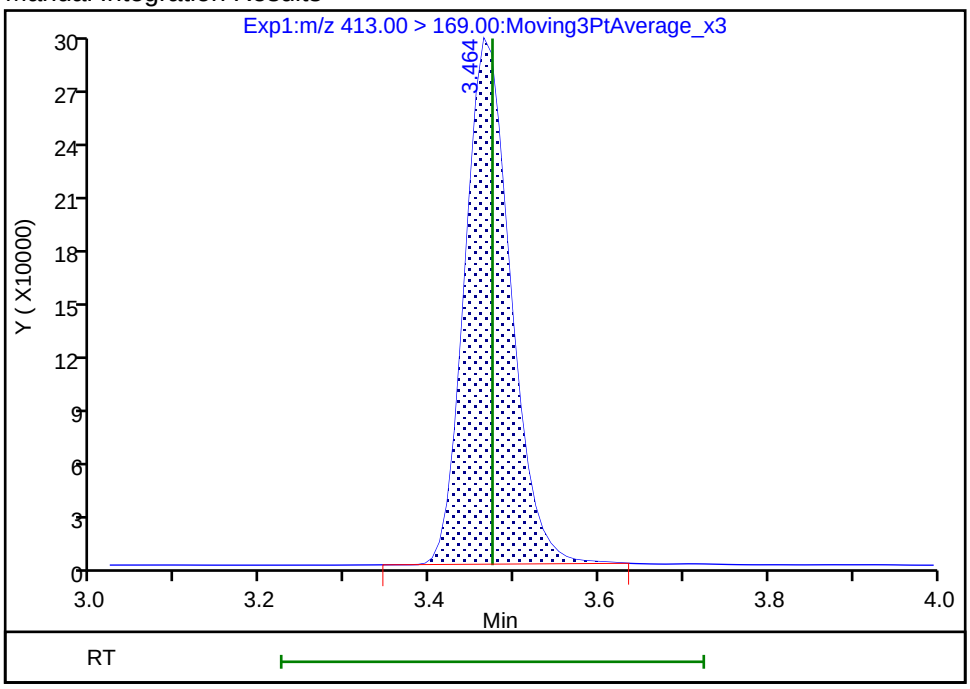
Processing Integration Results

RT: 3.46
Area: 1121825
Amount: 2.059992
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 1111373
Amount: 2.056745
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 13:08:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

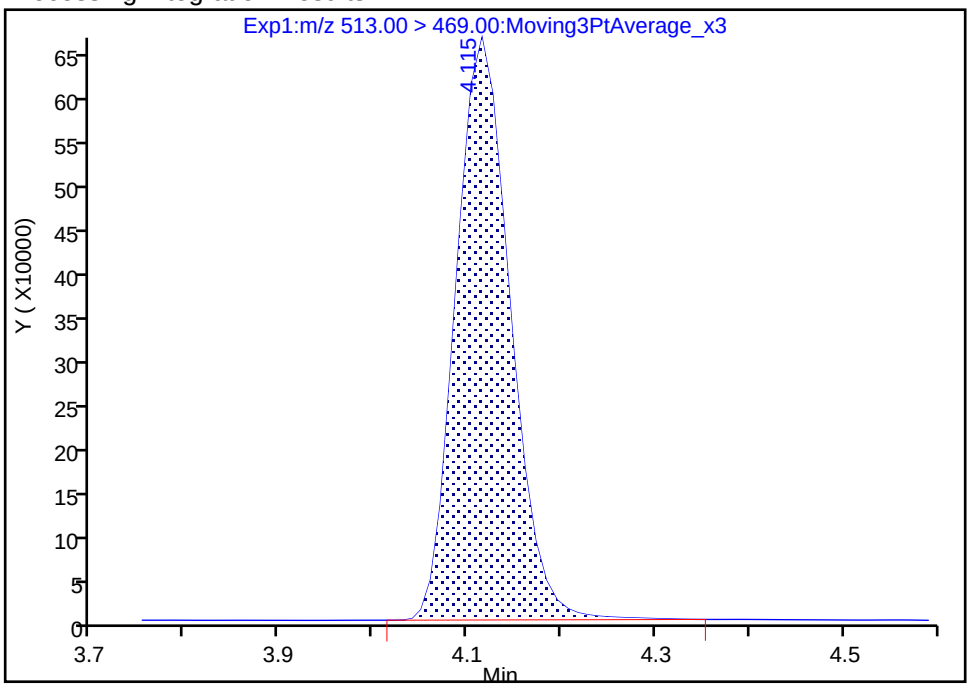
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C03.d
Injection Date: 04-Aug-2022 17:17:40 Instrument ID: LC812
Lims ID: LCS 200-182374/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

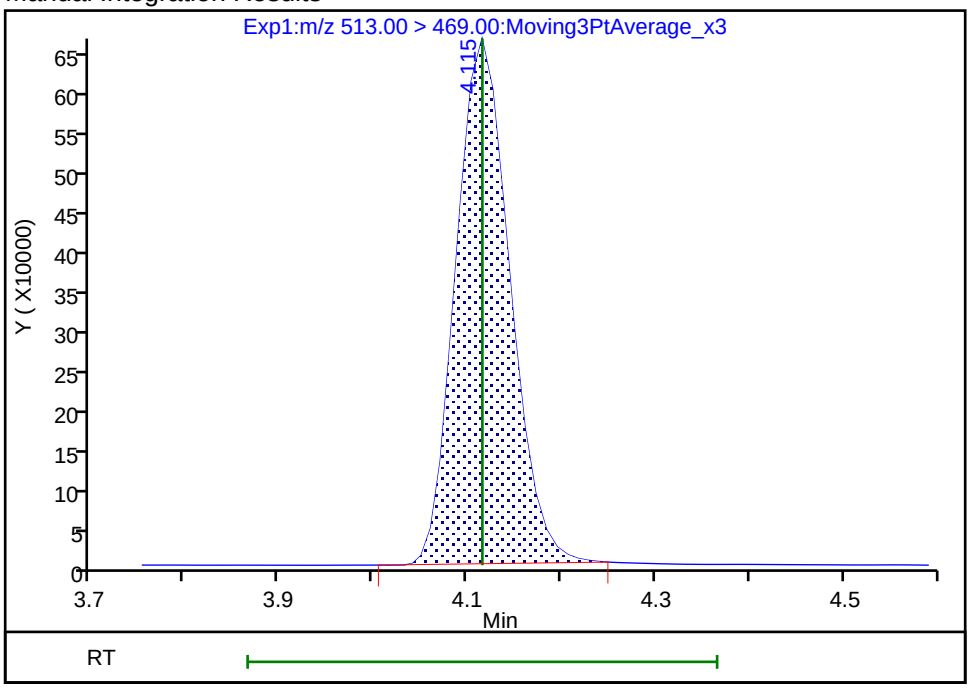
Processing Integration Results

RT: 4.12
Area: 2665323
Amount: 2.111903
Amount Units: ng/ml



Manual Integration Results

RT: 4.12
Area: 2633988
Amount: 2.108928
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 13:09:24
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

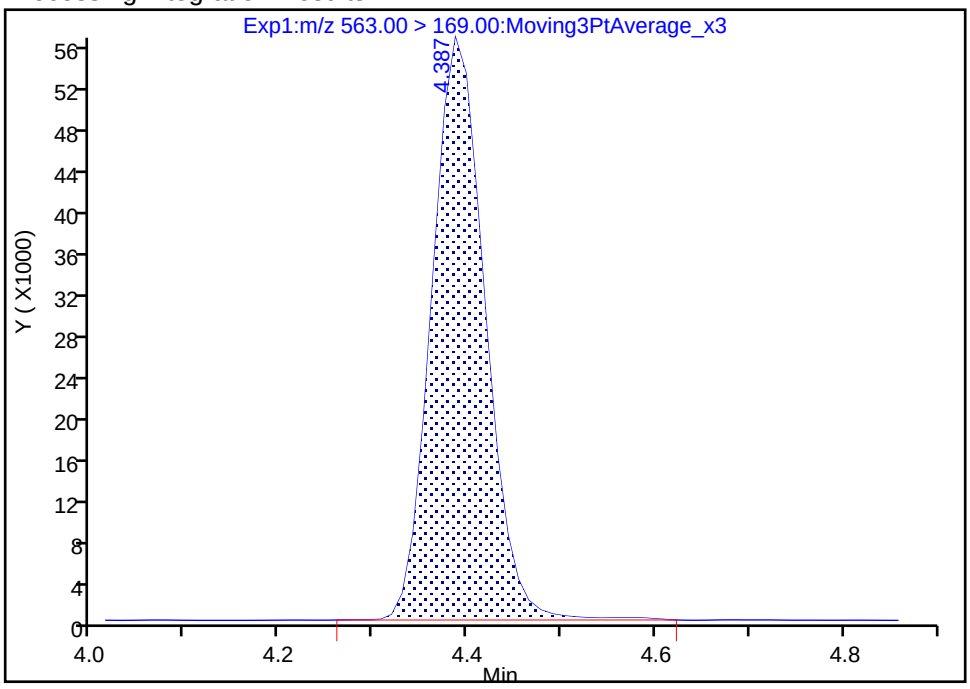
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C03.d
Injection Date: 04-Aug-2022 17:17:40 Instrument ID: LC812
Lims ID: LCS 200-182374/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

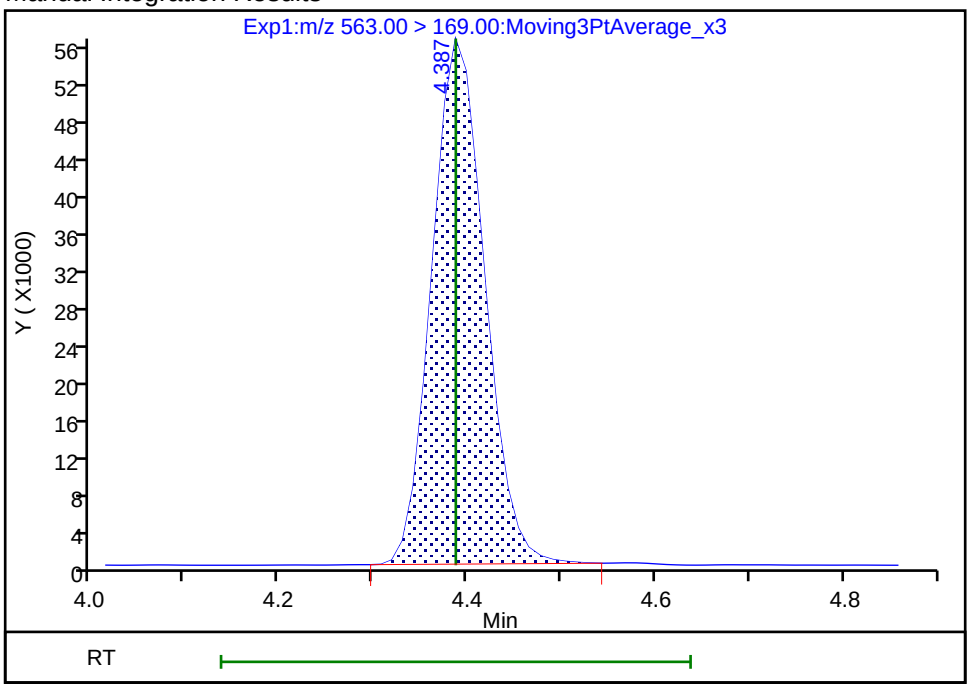
Processing Integration Results

RT: 4.39
Area: 222487
Amount: 2.135065
Amount Units: ng/ml



Manual Integration Results

RT: 4.39
Area: 220182
Amount: 2.117565
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:09:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

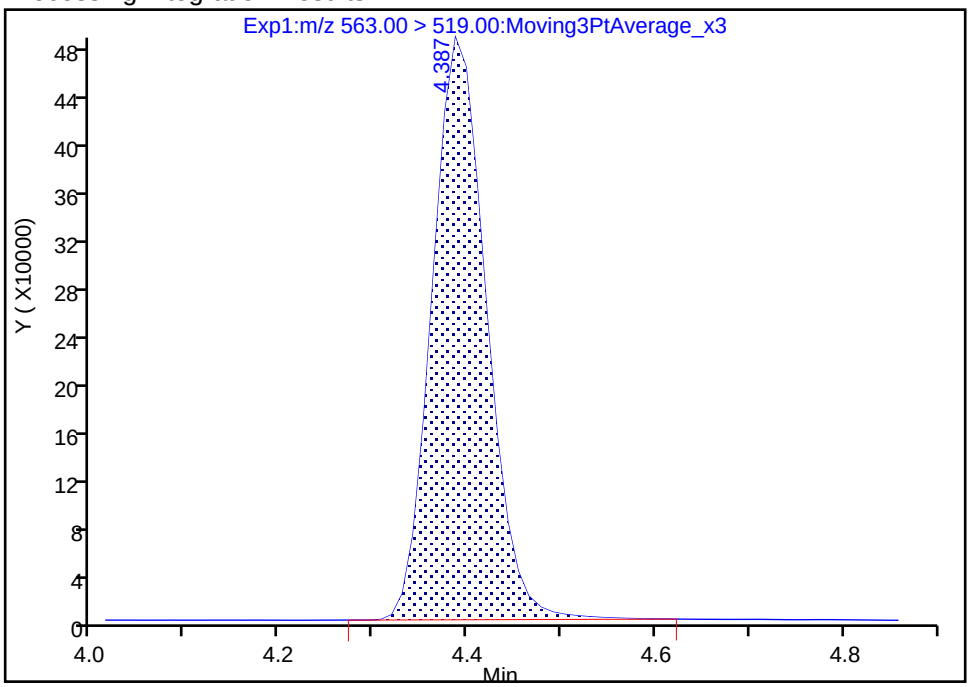
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Injection Date: 04-Aug-2022 17:17:40 Instrument ID: LC812
Lims ID: LCS 200-182374/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 1

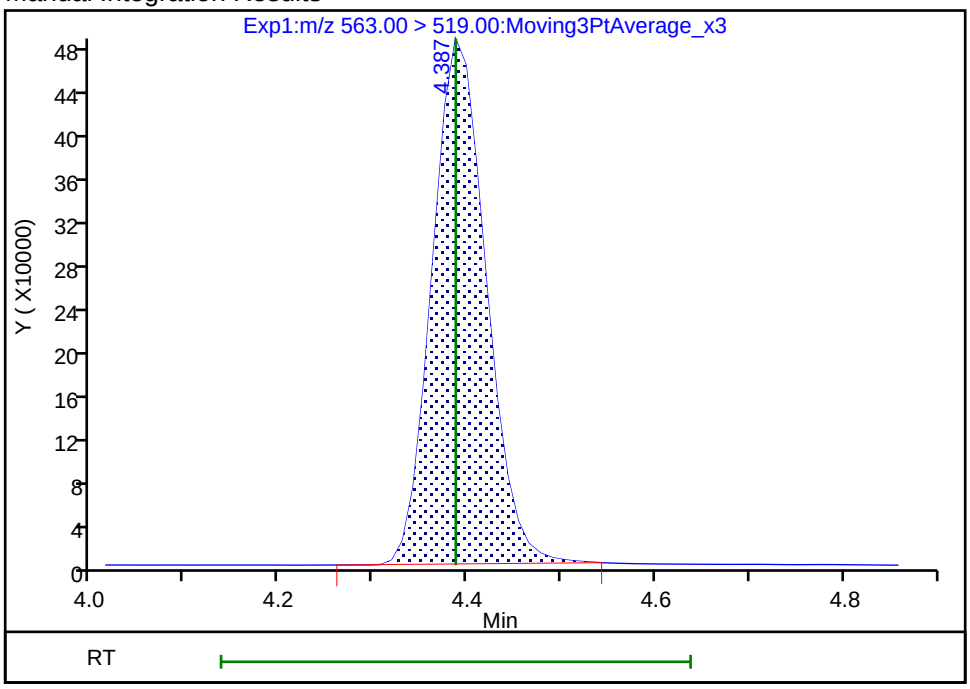
Processing Integration Results

RT: 4.39
Area: 1950695
Amount: 2.135065
Amount Units: ng/ml



Manual Integration Results

RT: 4.39
Area: 1934706
Amount: 2.117565
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 13:10:22
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

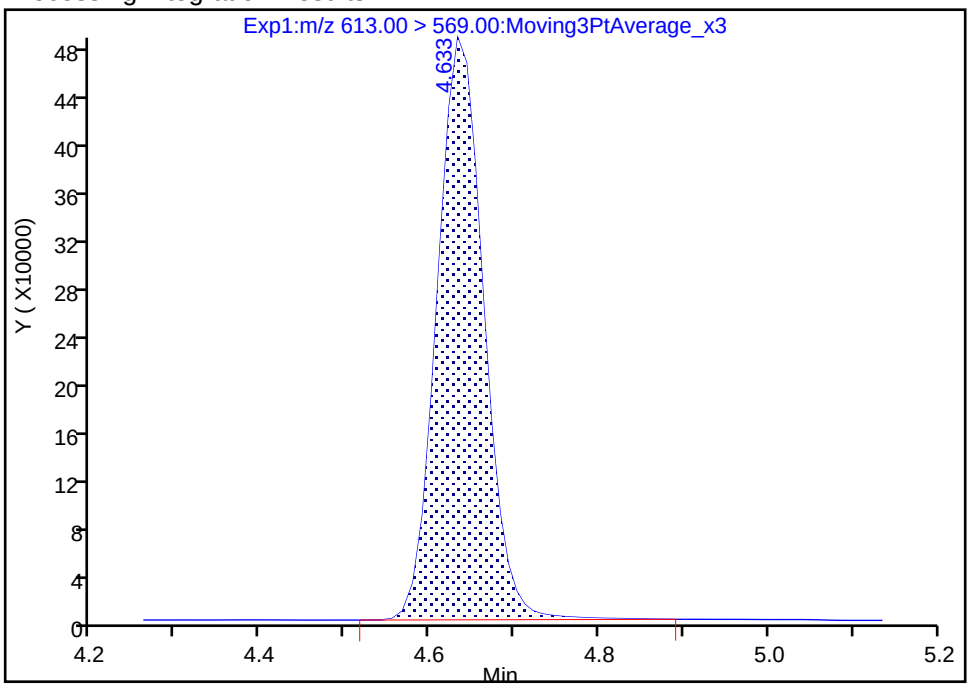
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C03.d
Injection Date: 04-Aug-2022 17:17:40 Instrument ID: LC812
Lims ID: LCS 200-182374/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

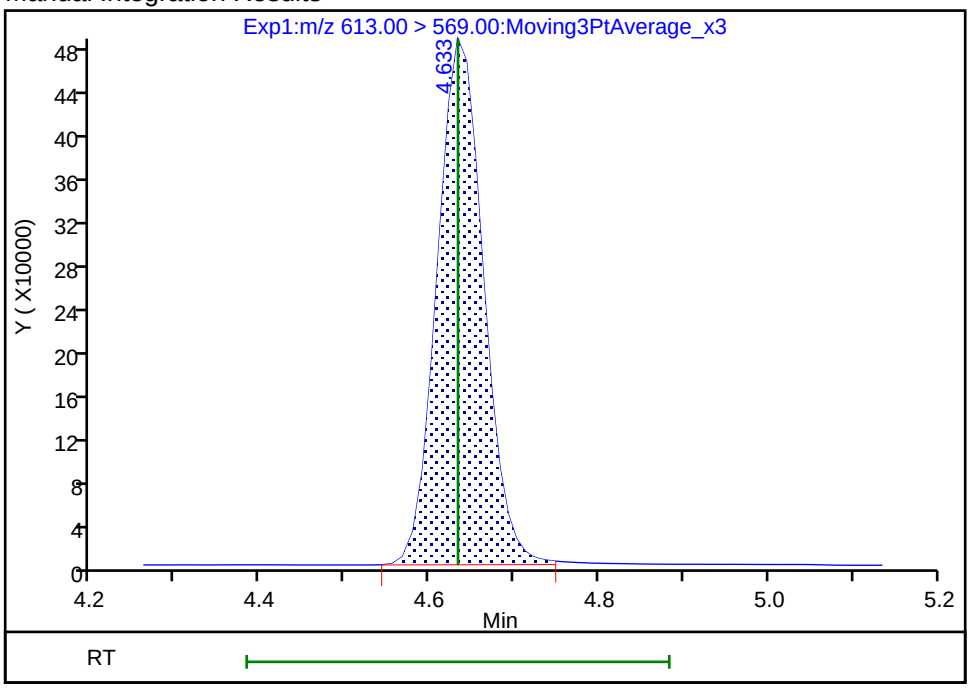
Processing Integration Results

RT: 4.63
Area: 1871040
Amount: 2.131687
Amount Units: ng/ml



Manual Integration Results

RT: 4.63
Area: 1862550
Amount: 2.122014
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:09:34
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

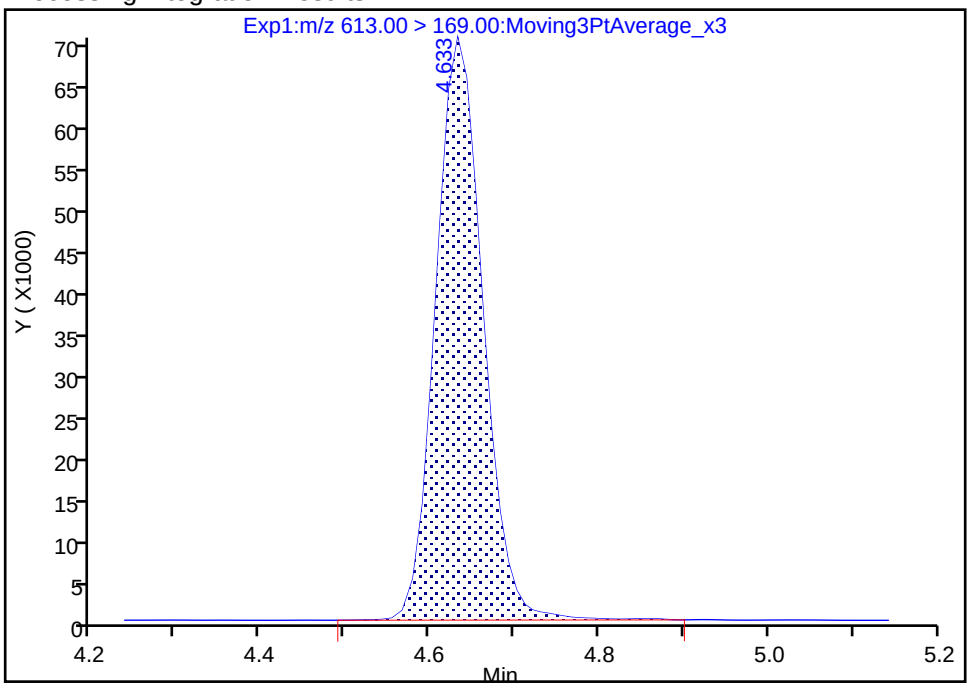
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C03.d
Injection Date: 04-Aug-2022 17:17:40 Instrument ID: LC812
Lims ID: LCS 200-182374/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

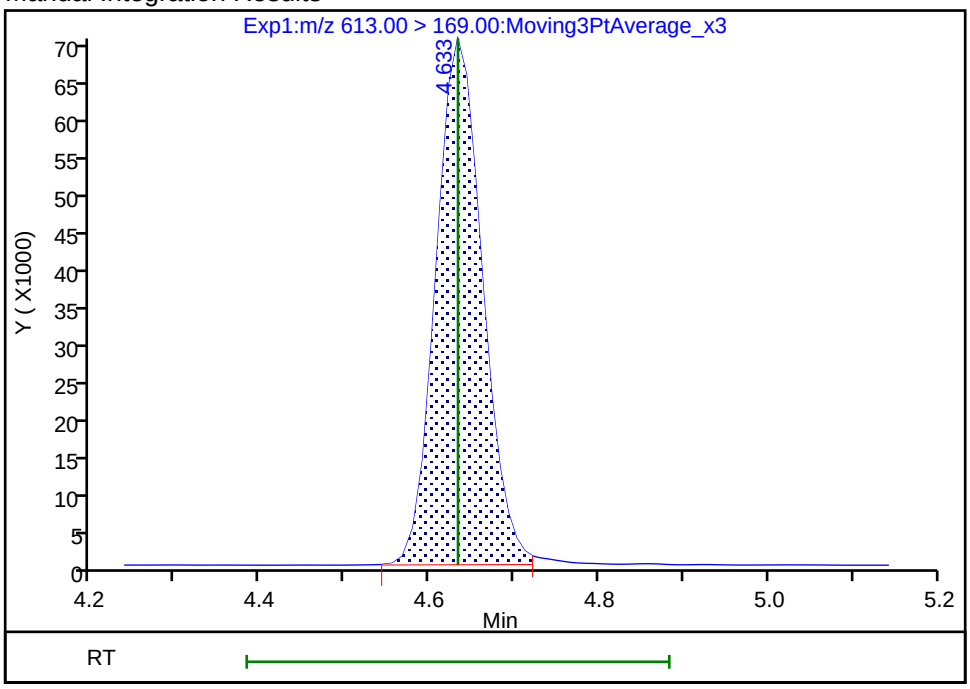
Processing Integration Results

RT: 4.63
Area: 271128
Amount: 2.131687
Amount Units: ng/ml



Manual Integration Results

RT: 4.63
Area: 267670
Amount: 2.122014
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:09:37
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

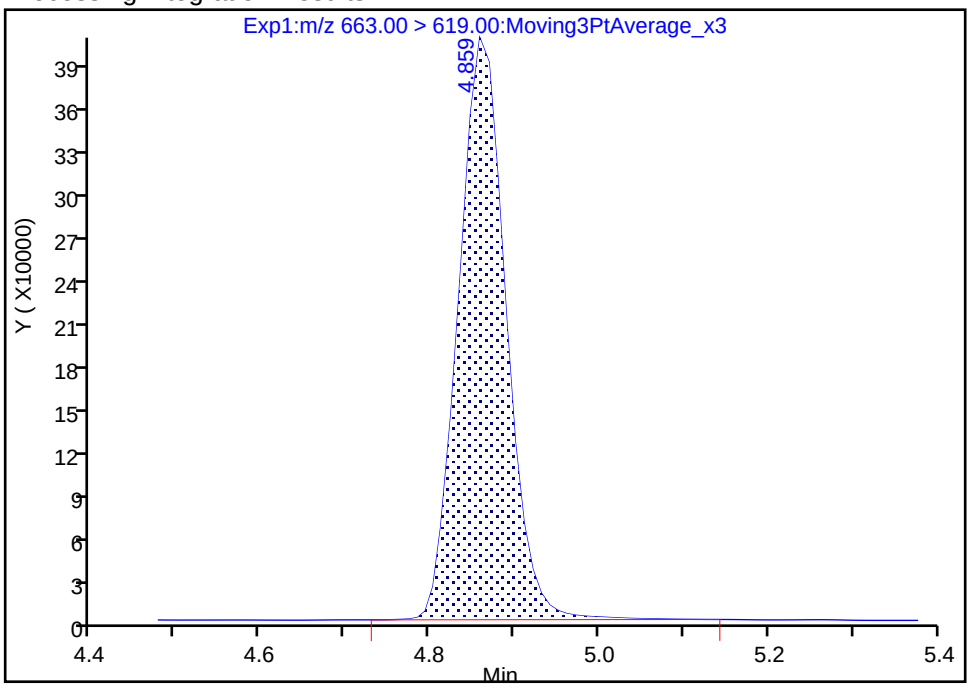
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C03.d
Injection Date: 04-Aug-2022 17:17:40 Instrument ID: LC812
Lims ID: LCS 200-182374/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

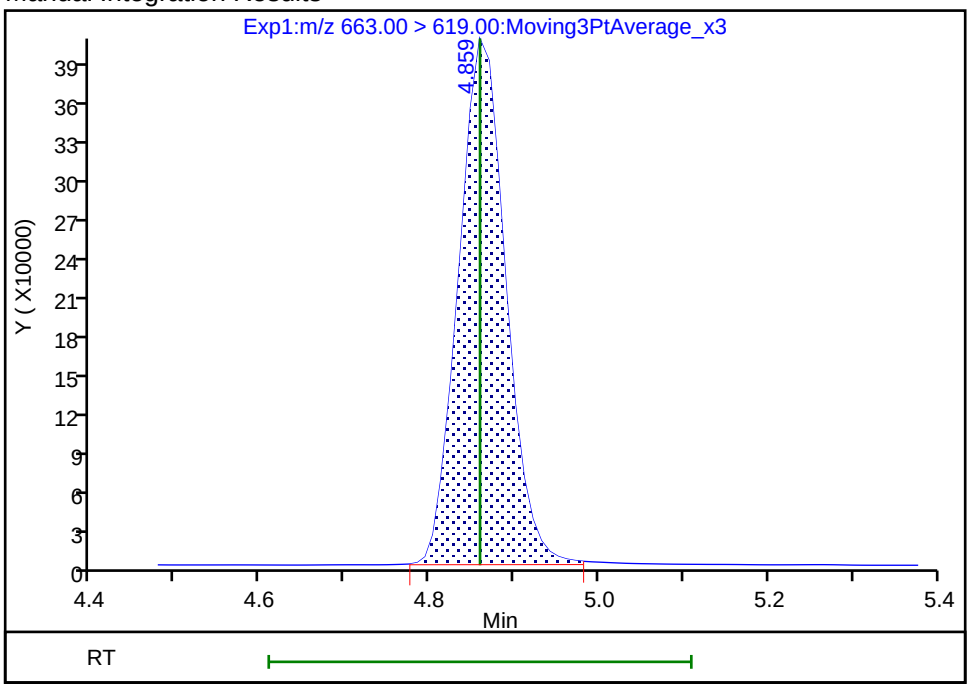
Processing Integration Results

RT: 4.86
Area: 1591188
Amount: 2.091269
Amount Units: ng/ml



Manual Integration Results

RT: 4.86
Area: 1583487
Amount: 2.081148
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:10:24
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

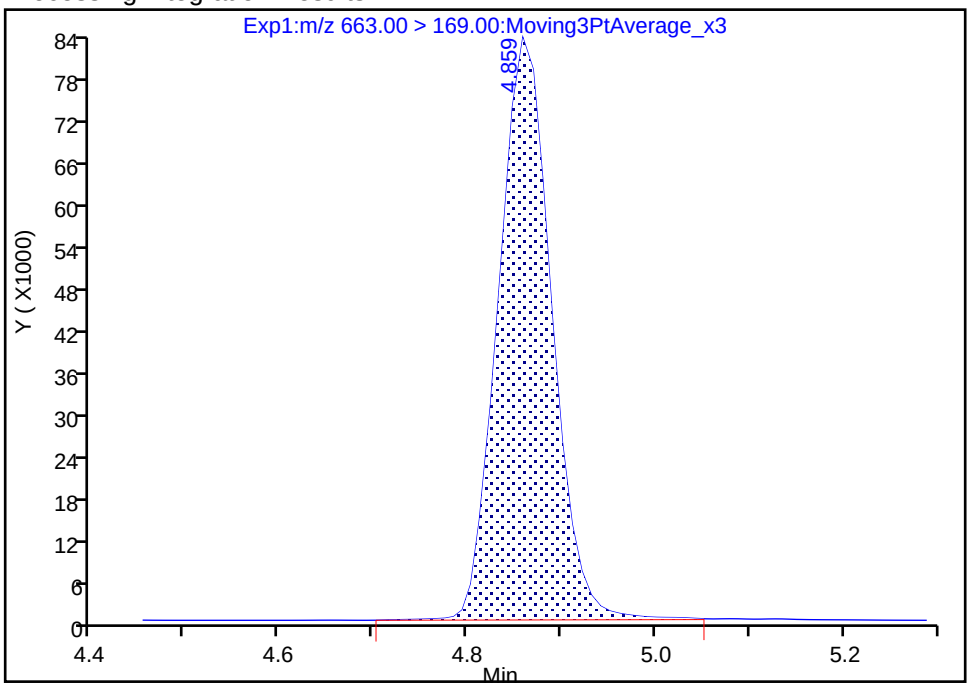
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C03.d
Injection Date: 04-Aug-2022 17:17:40 Instrument ID: LC812
Lims ID: LCS 200-182374/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

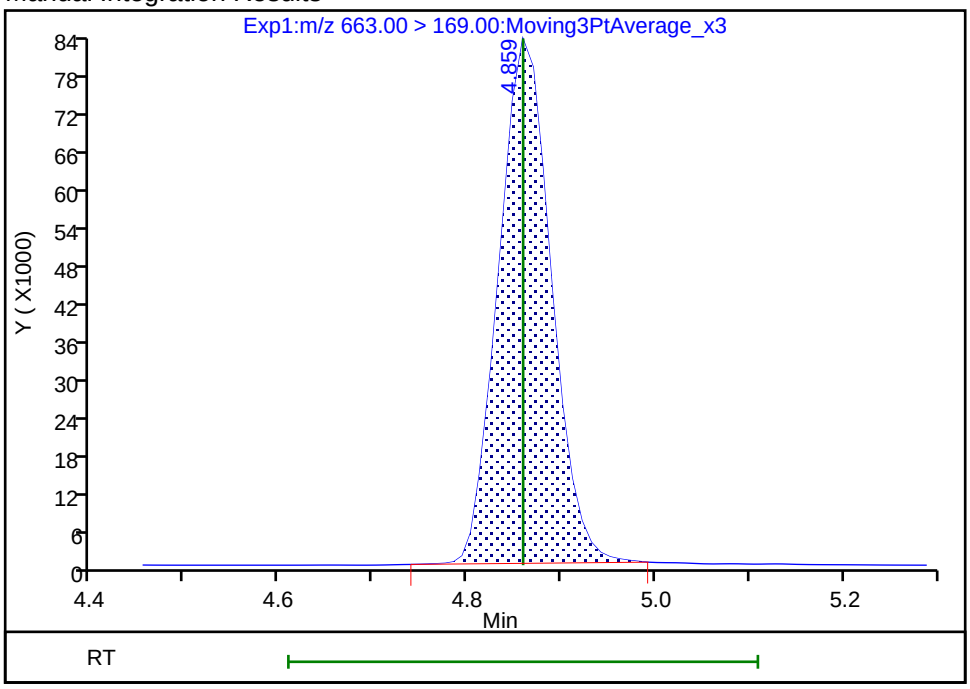
Processing Integration Results

RT: 4.86
Area: 327465
Amount: 2.091269
Amount Units: ng/ml



Manual Integration Results

RT: 4.86
Area: 322602
Amount: 2.081148
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 13:10:42
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

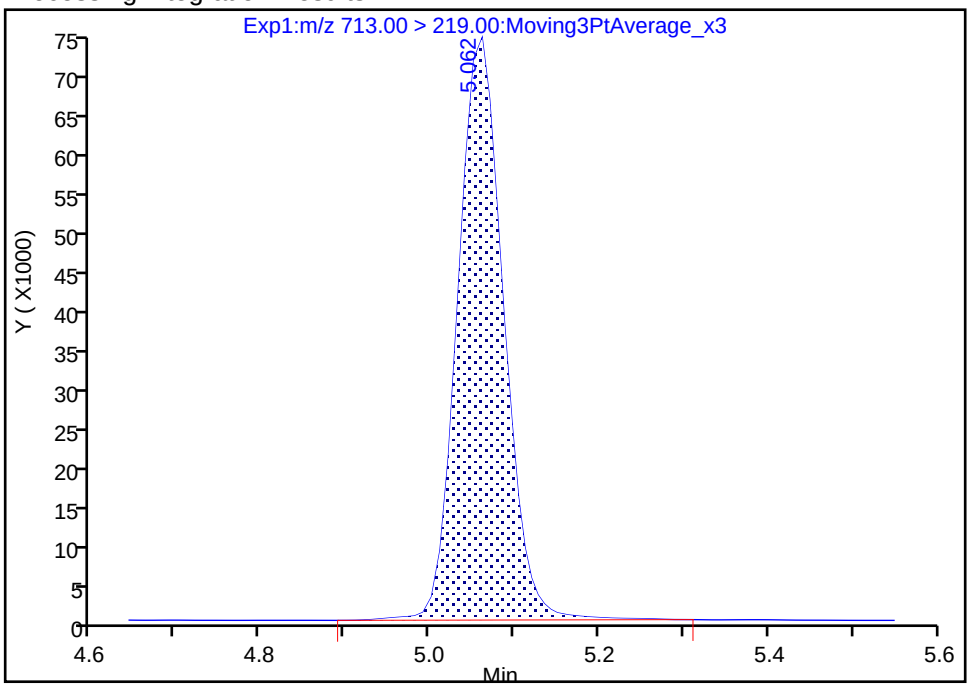
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C03.d
Injection Date: 04-Aug-2022 17:17:40 Instrument ID: LC812
Lims ID: LCS 200-182374/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

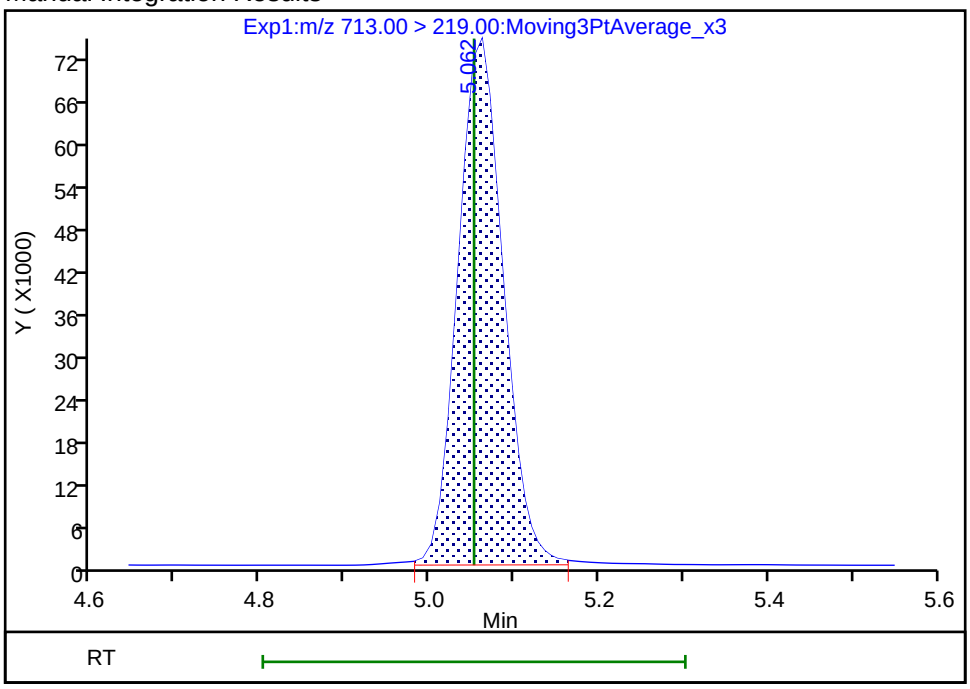
Processing Integration Results

RT: 5.06
Area: 279870
Amount: 2.143061
Amount Units: ng/ml



Manual Integration Results

RT: 5.06
Area: 277160
Amount: 2.169523
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:10:41
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

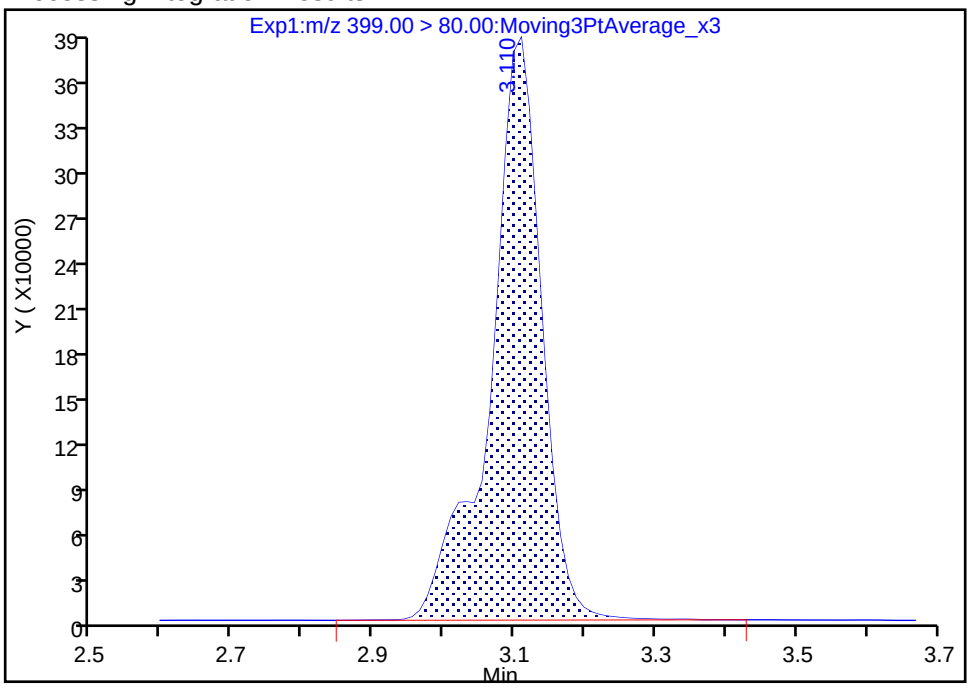
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C03.d
Injection Date: 04-Aug-2022 17:17:40 Instrument ID: LC812
Lims ID: LCS 200-182374/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

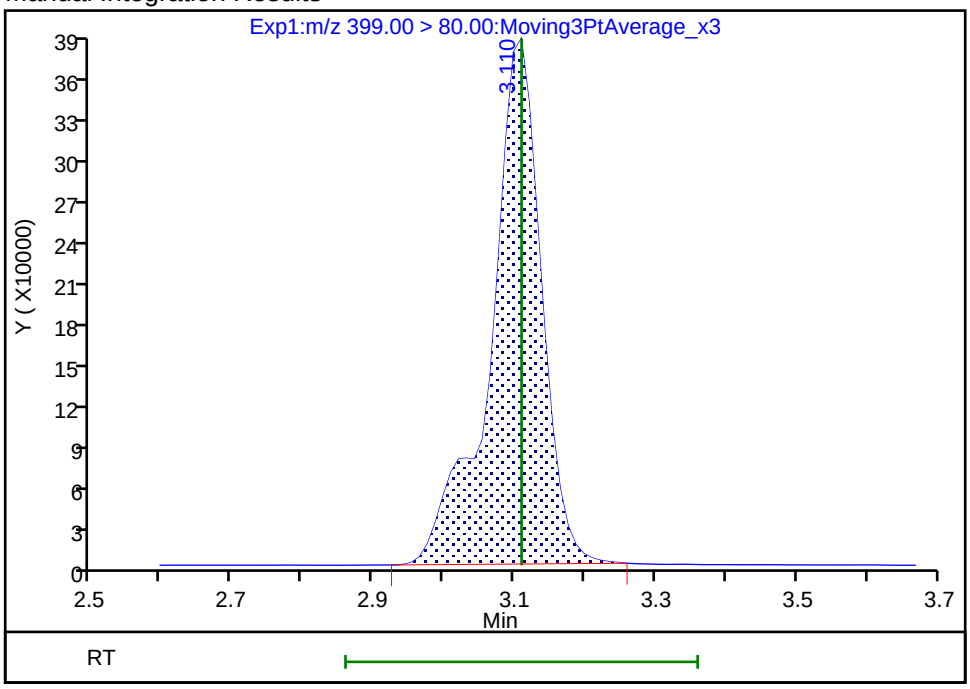
Processing Integration Results

RT: 3.11
Area: 1961525
Amount: 1.838971
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 1944453
Amount: 1.822966
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 13:08:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

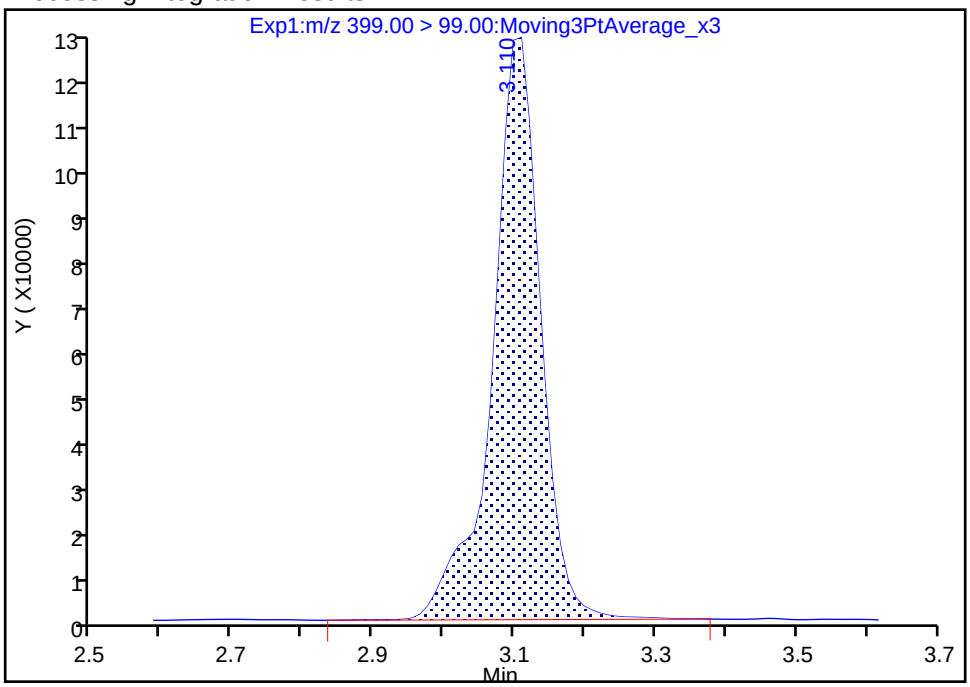
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Injection Date: 04-Aug-2022 17:17:40 Instrument ID: LC812
Lims ID: LCS 200-182374/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

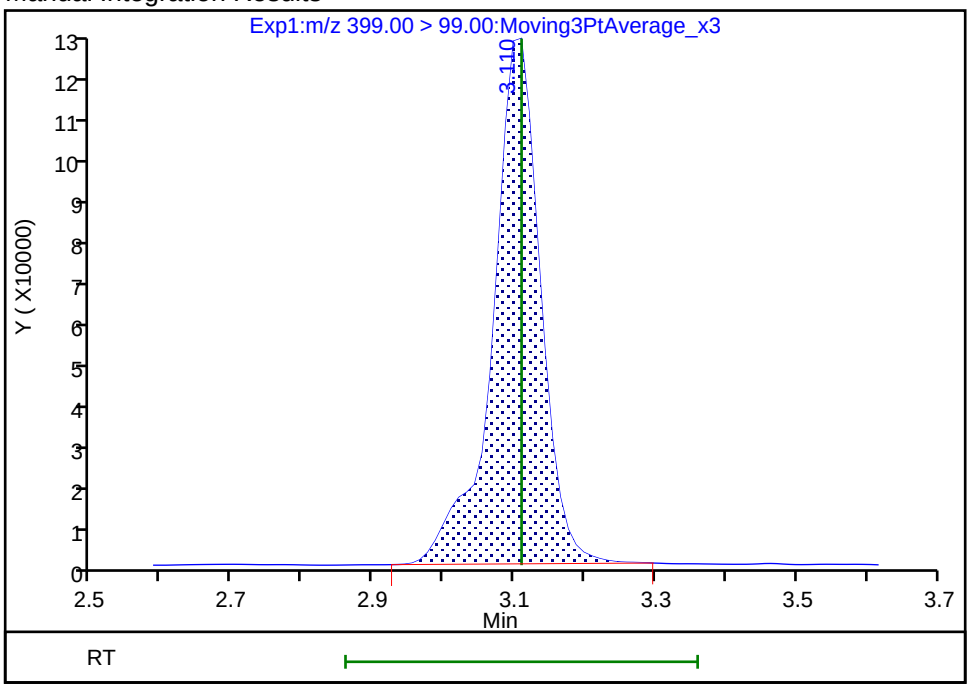
Processing Integration Results

RT: 3.11
Area: 577108
Amount: 1.838971
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 572400
Amount: 1.822966
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 13:08:28
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

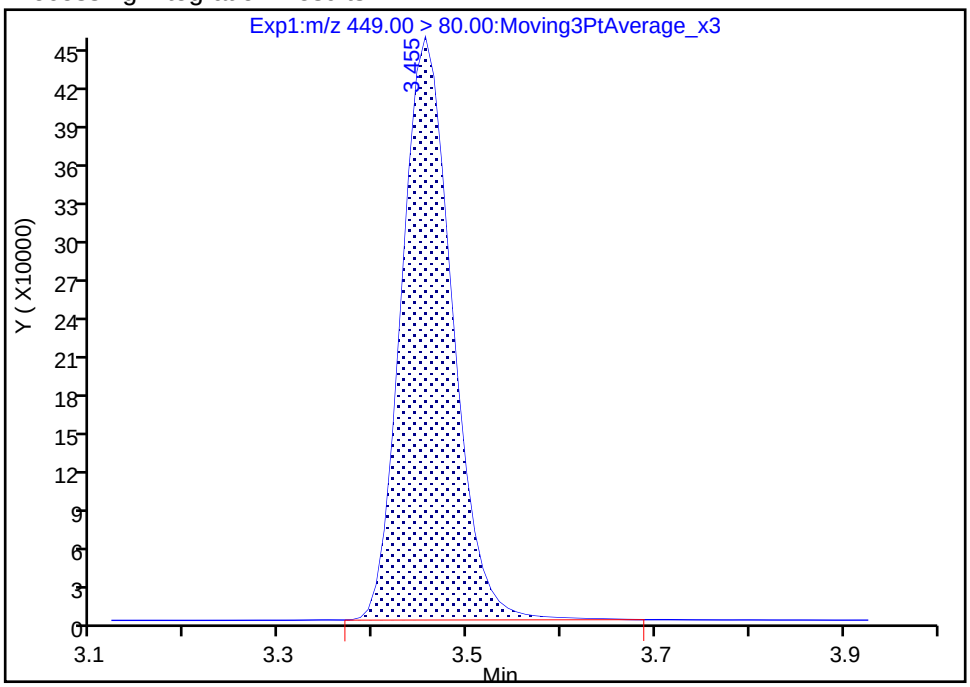
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Lims ID: LCS 200-182374/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

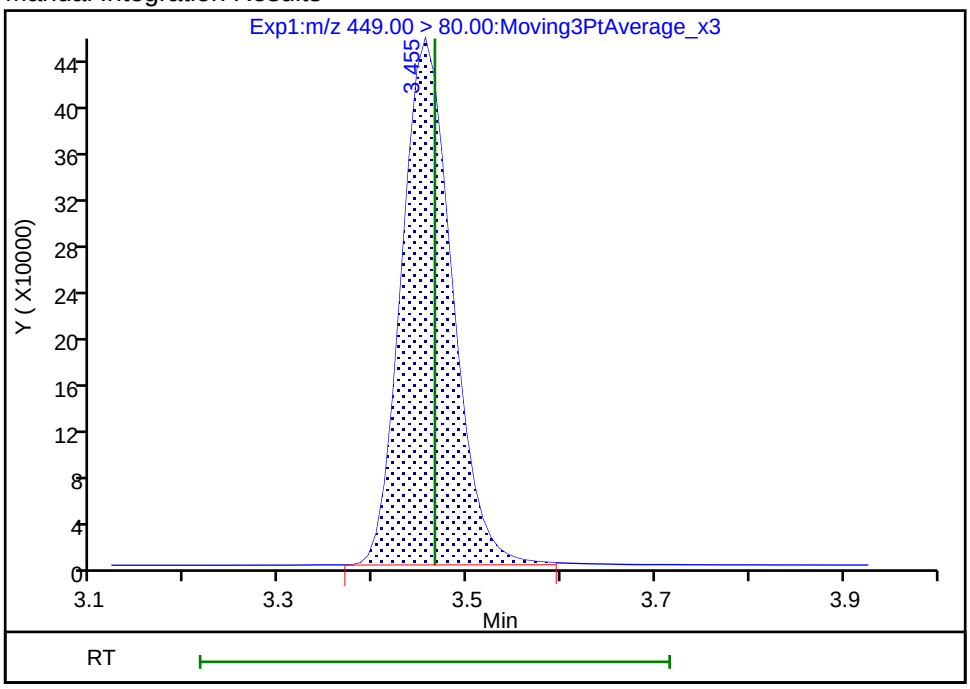
Processing Integration Results

RT: 3.46
Area: 1691618
Amount: 2.066005
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 1687802
Amount: 2.061345
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:07:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

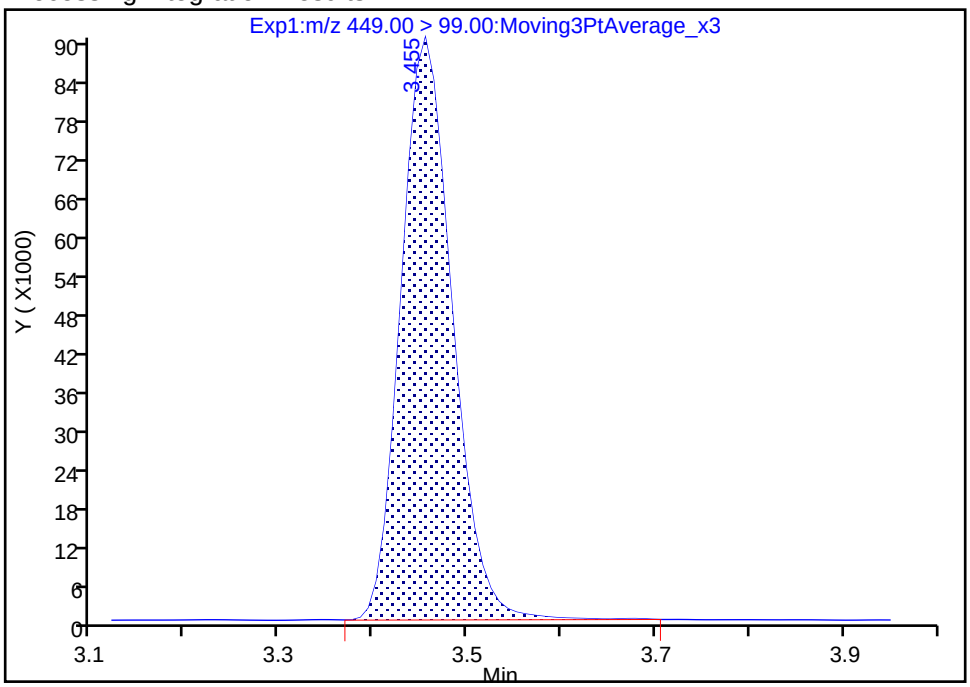
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C03.d
Injection Date: 04-Aug-2022 17:17:40 Instrument ID: LC812
Lims ID: LCS 200-182374/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

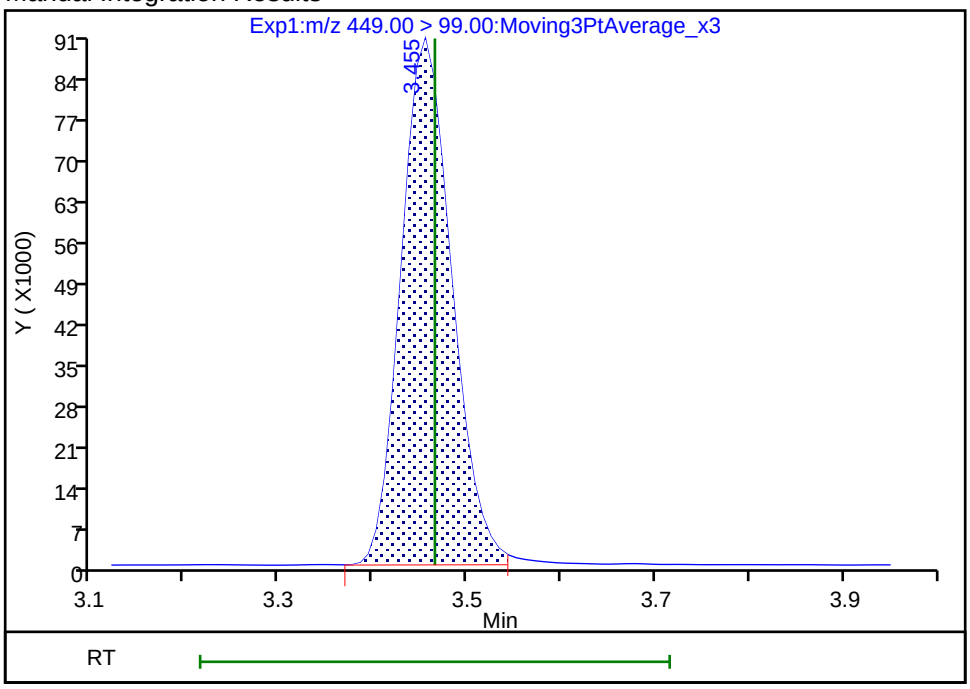
Processing Integration Results

RT: 3.46
Area: 341735
Amount: 2.066005
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 338283
Amount: 2.061345
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:07:15
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

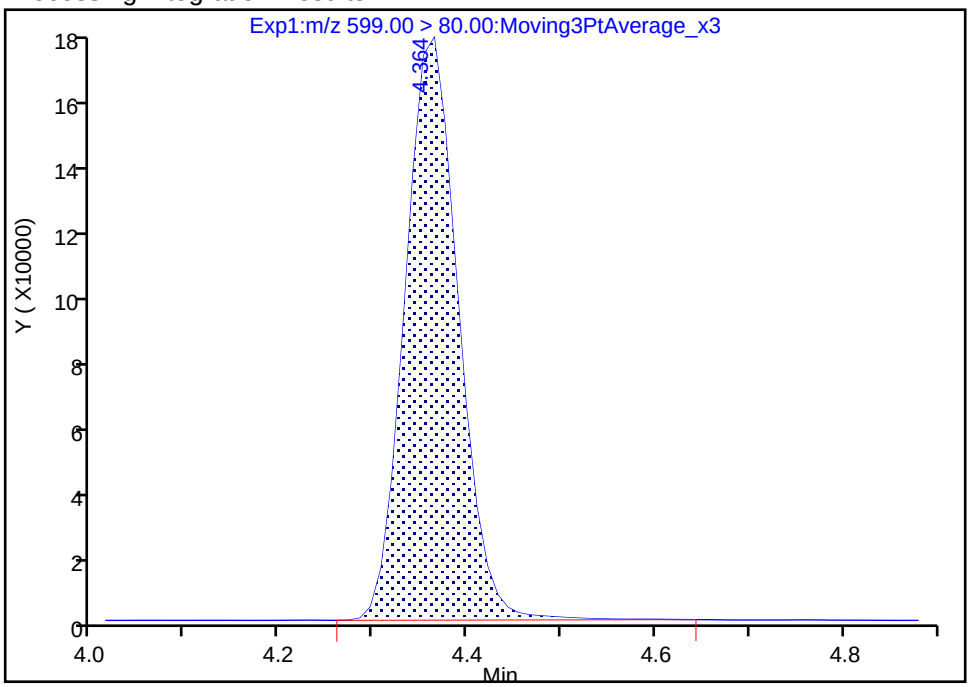
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C03.d
Injection Date: 04-Aug-2022 17:17:40 Instrument ID: LC812
Lims ID: LCS 200-182374/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

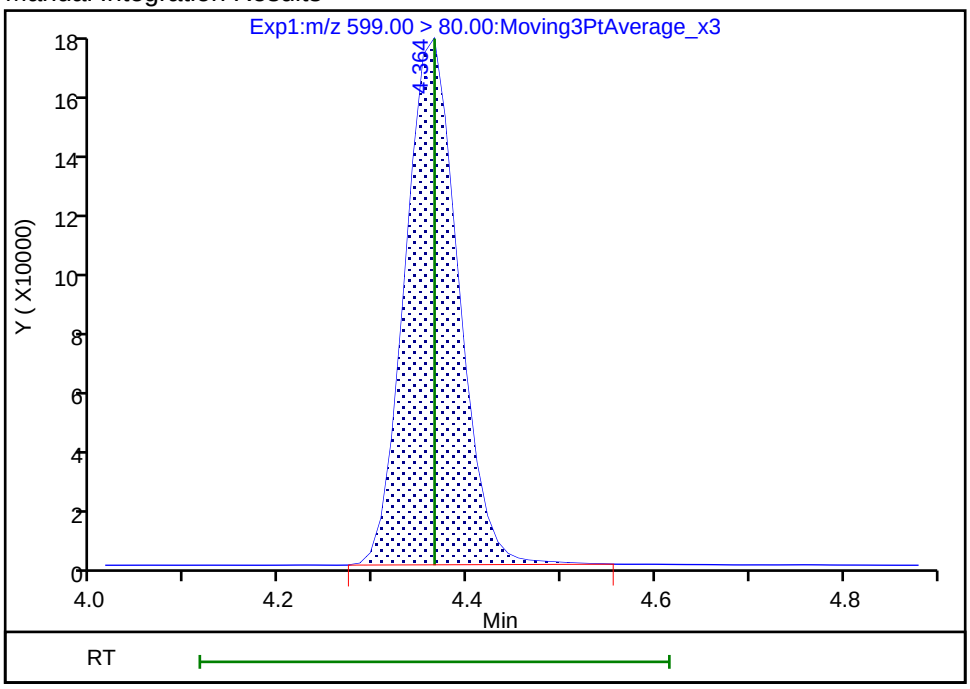
Processing Integration Results

RT: 4.36
Area: 697093
Amount: 1.806055
Amount Units: ng/ml



Manual Integration Results

RT: 4.36
Area: 694791
Amount: 1.800091
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:08:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

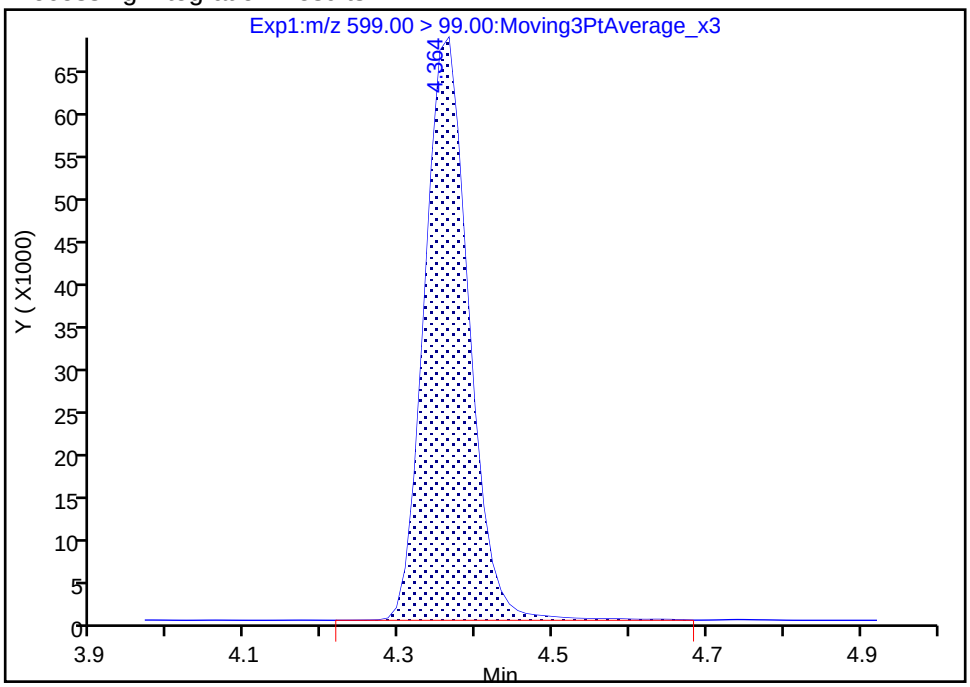
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Injection Date: 04-Aug-2022 17:17:40 Instrument ID: LC812
Lims ID: LCS 200-182374/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

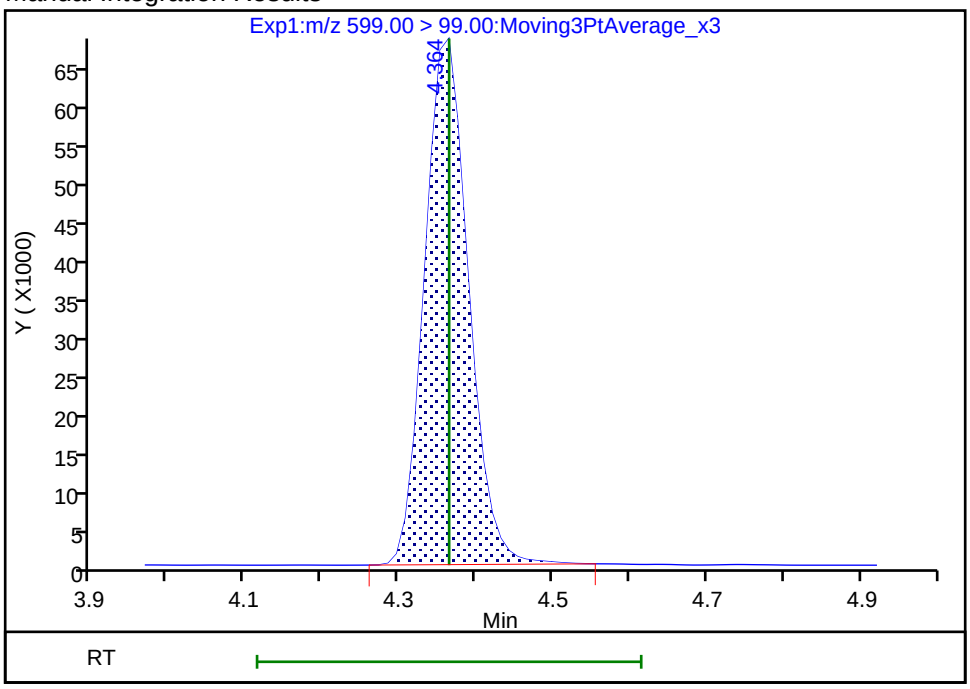
Processing Integration Results

RT: 4.36
Area: 271193
Amount: 1.806055
Amount Units: ng/ml



Manual Integration Results

RT: 4.36
Area: 268637
Amount: 1.800091
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:08:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

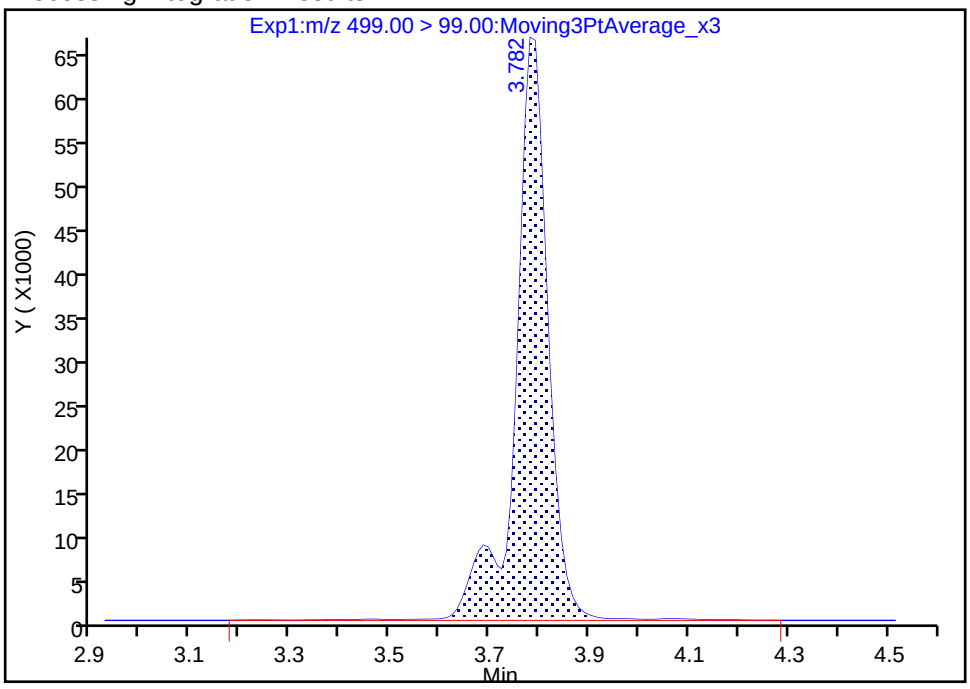
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Injection Date: 04-Aug-2022 17:17:40 Instrument ID: LC812
Lims ID: LCS 200-182374/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

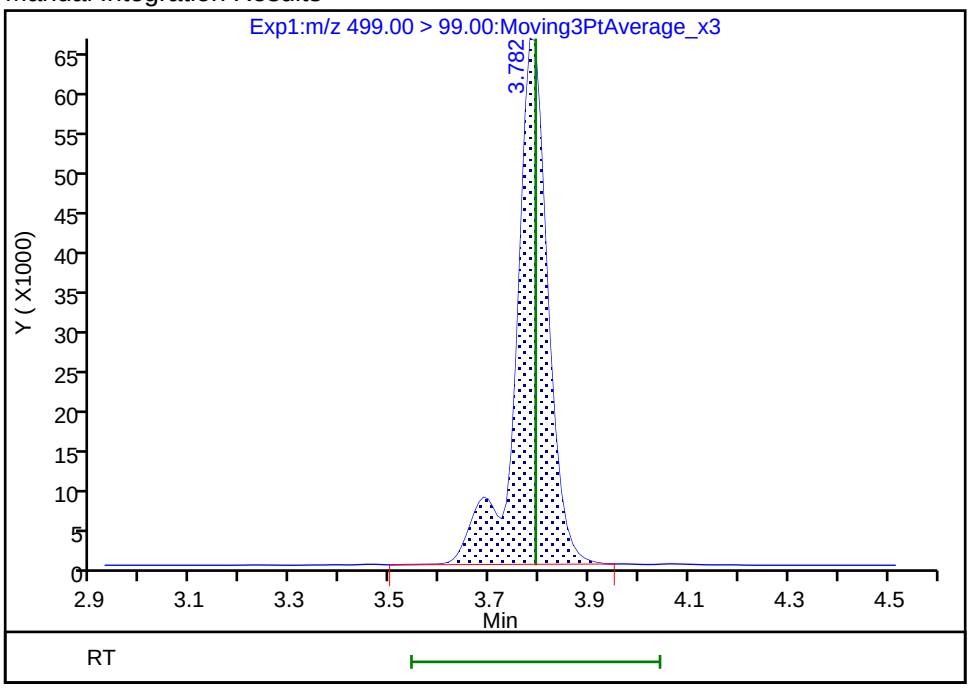
Processing Integration Results

RT: 3.78
Area: 304661
Amount: 2.093785
Amount Units: ng/ml



Manual Integration Results

RT: 3.78
Area: 299412
Amount: 2.028770
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:07:48
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

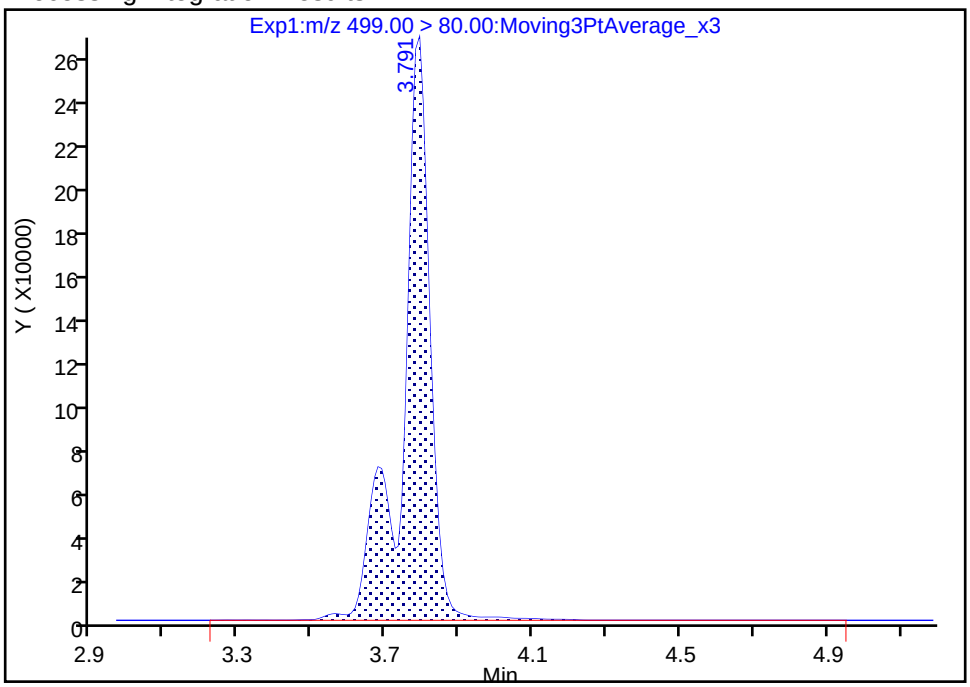
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Injection Date: 04-Aug-2022 17:17:40 Instrument ID: LC812
Lims ID: LCS 200-182374/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

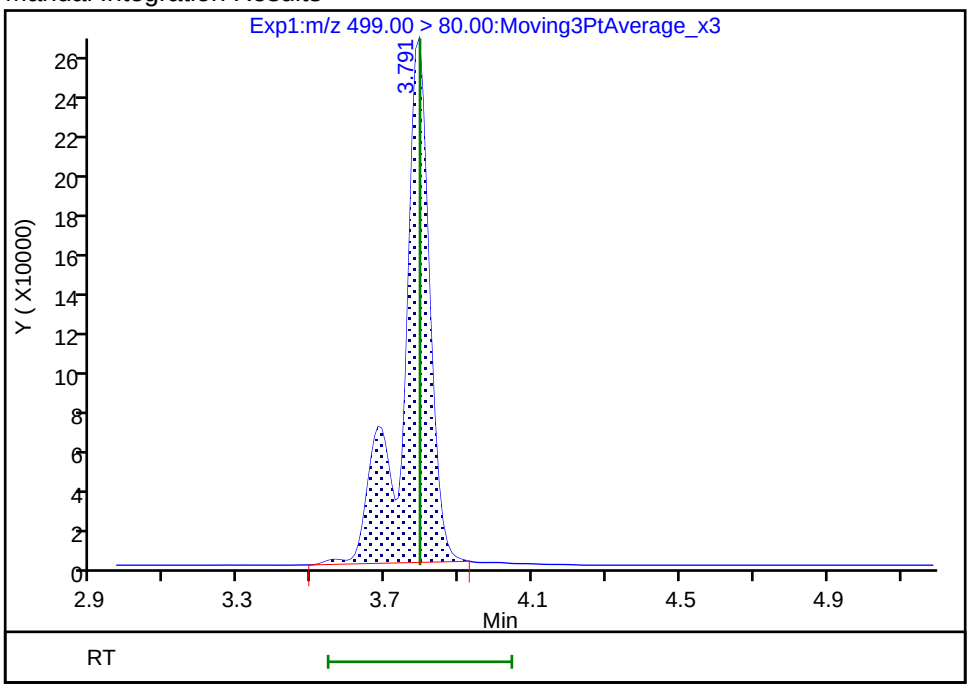
Processing Integration Results

RT: 3.79
Area: 1392178
Amount: 2.093785
Amount Units: ng/ml



Manual Integration Results

RT: 3.79
Area: 1349327
Amount: 2.028770
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 13:08:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

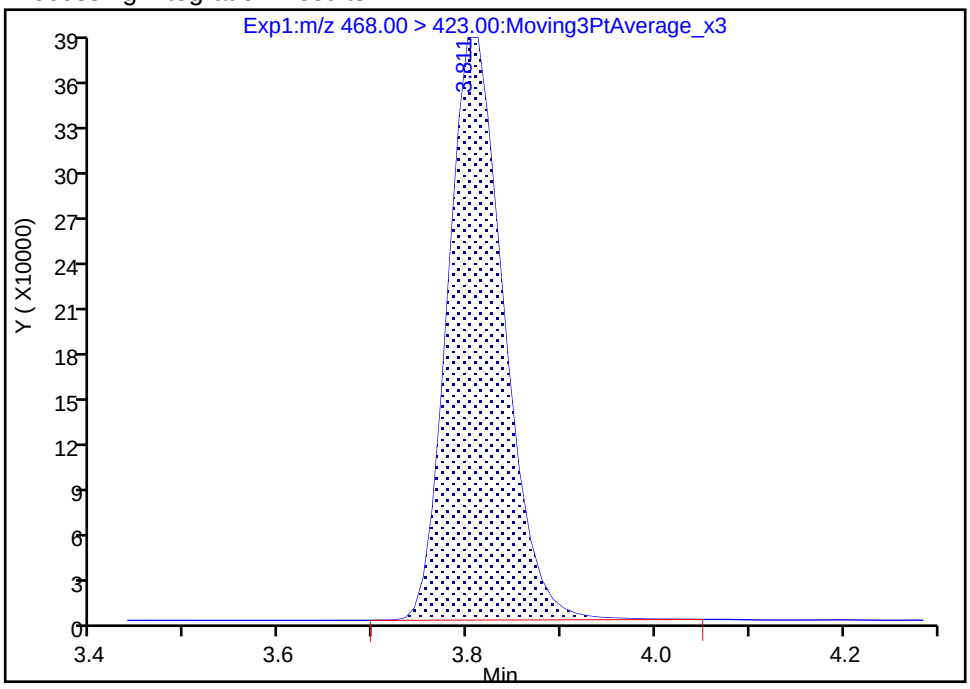
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Injection Date: 04-Aug-2022 17:17:40 Instrument ID: LC812
Lims ID: LCS 200-182374/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

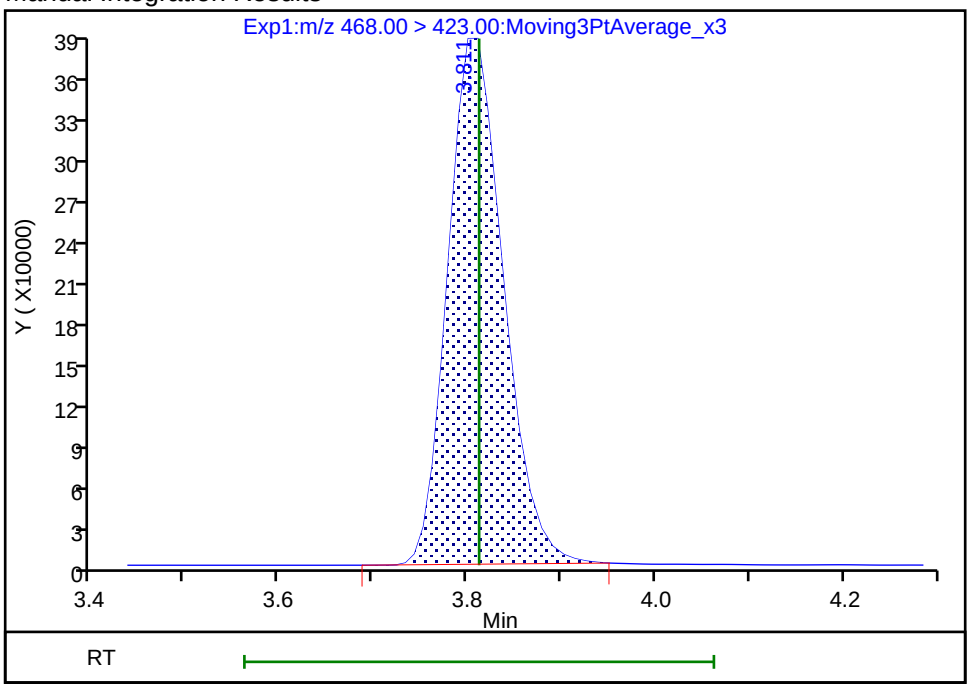
Processing Integration Results

RT: 3.81
Area: 1574968
Amount: 1.175868
Amount Units: ng/ml



Manual Integration Results

RT: 3.81
Area: 1563379
Amount: 1.167215
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 13:09:05
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

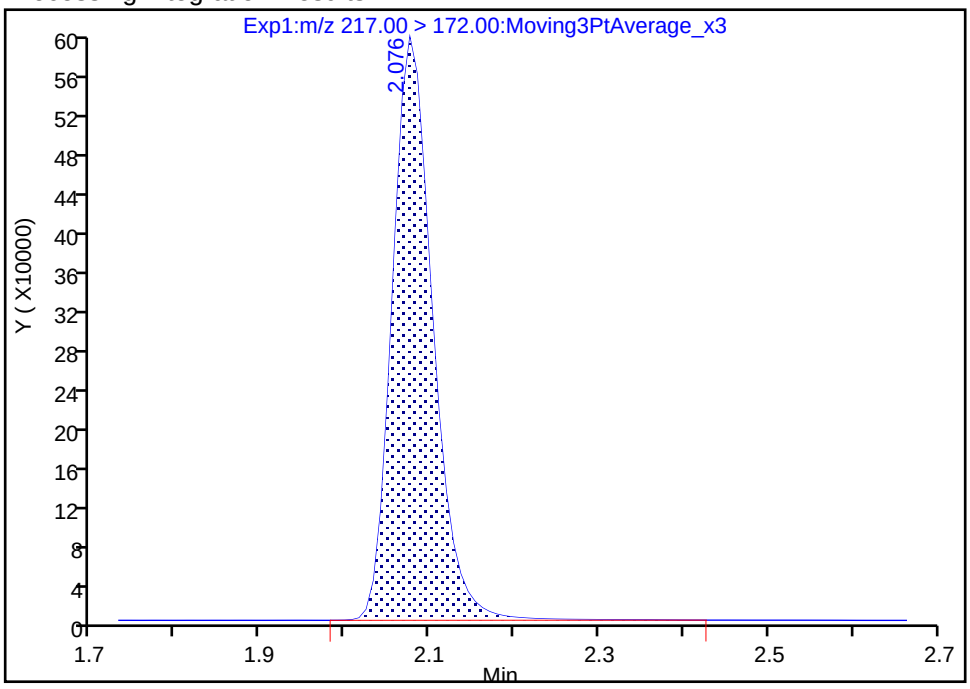
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Injection Date: 04-Aug-2022 17:17:40 Instrument ID: LC812
Lims ID: LCS 200-182374/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

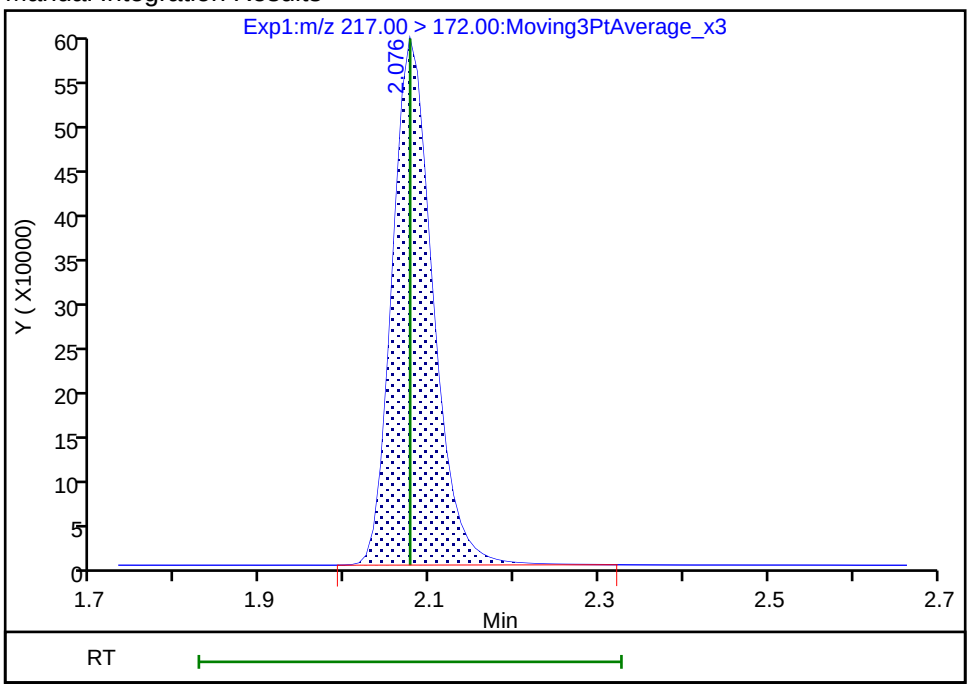
Processing Integration Results

RT: 2.08
Area: 1993081
Amount: 1.260882
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 1988268
Amount: 1.257838
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 13:07:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

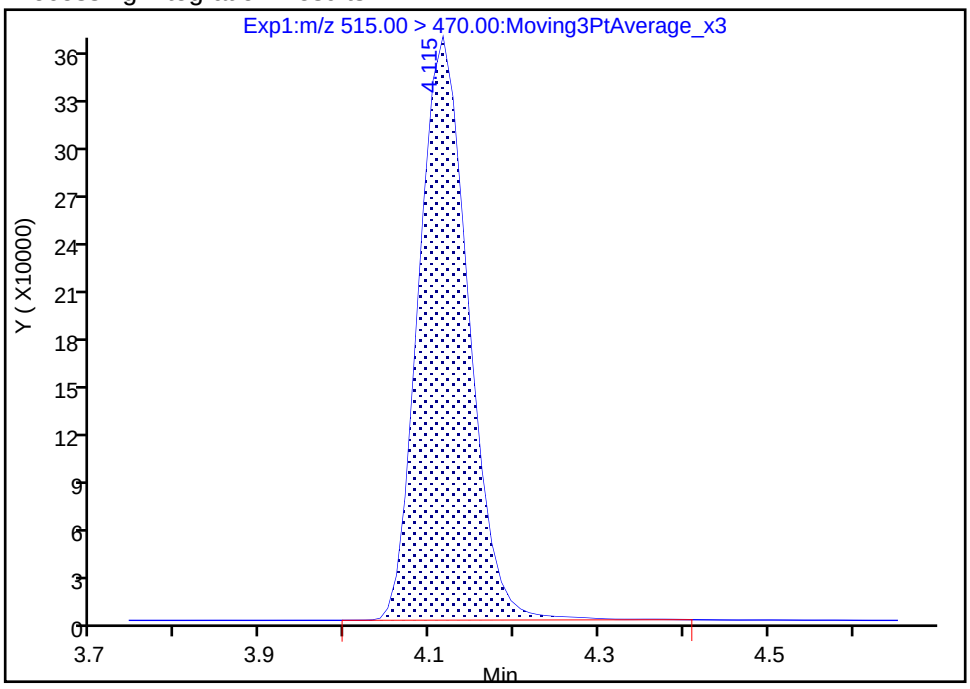
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Injection Date: 04-Aug-2022 17:17:40 Instrument ID: LC812
Lims ID: LCS 200-182374/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

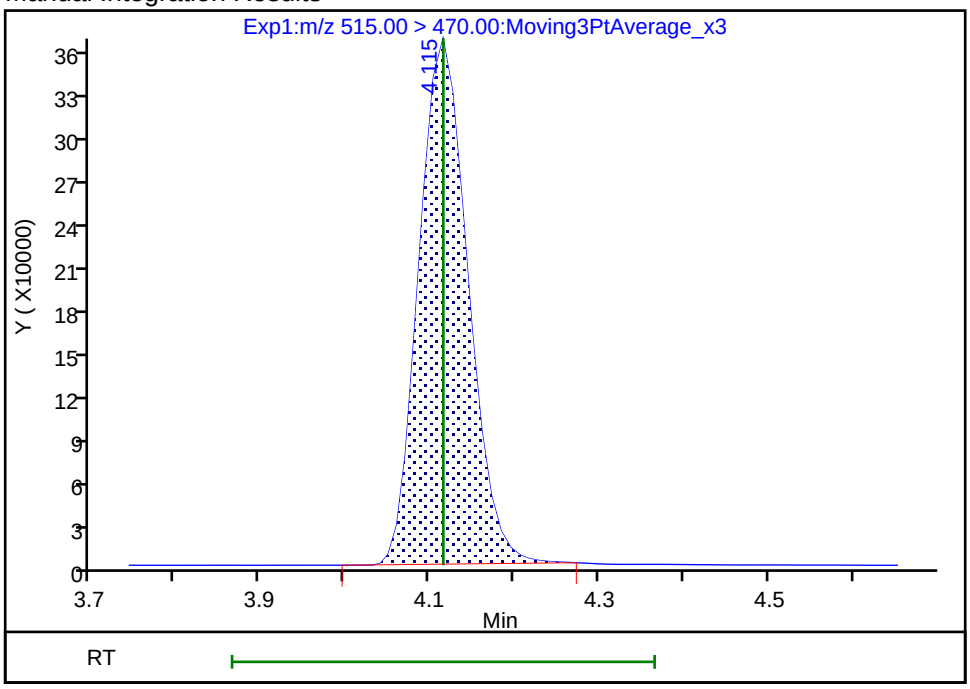
Processing Integration Results

RT: 4.12
Area: 1500012
Amount: 1.150705
Amount Units: ng/ml



Manual Integration Results

RT: 4.12
Area: 1484468
Amount: 1.138780
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 13:09:29
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

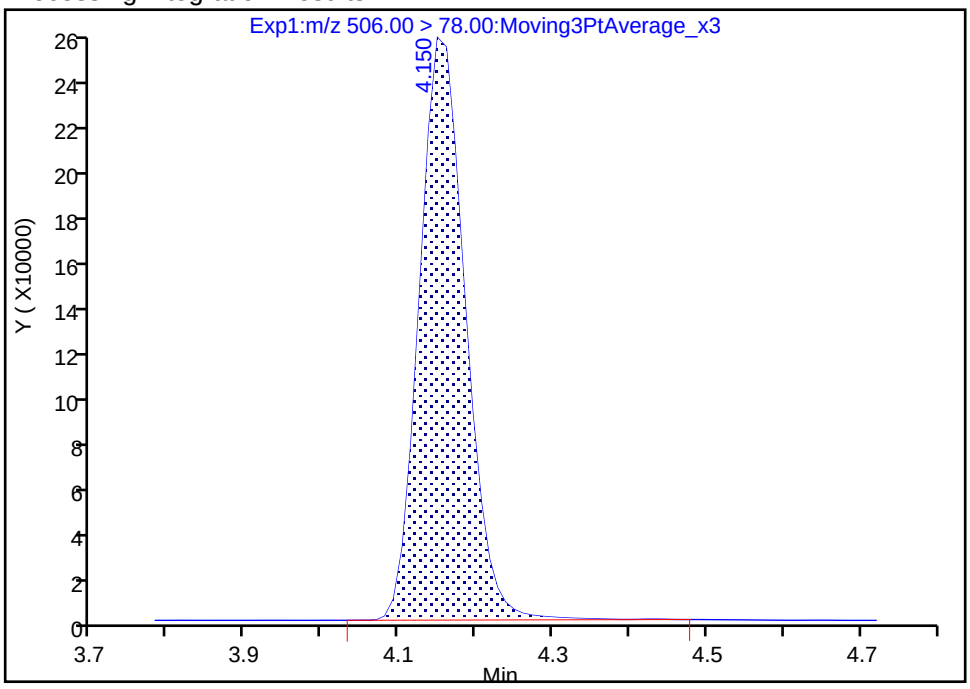
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C03.d				
Injection Date:	04-Aug-2022 17:17:40	Instrument ID:	LC812		
Lims ID:	LCS 200-182374/2-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

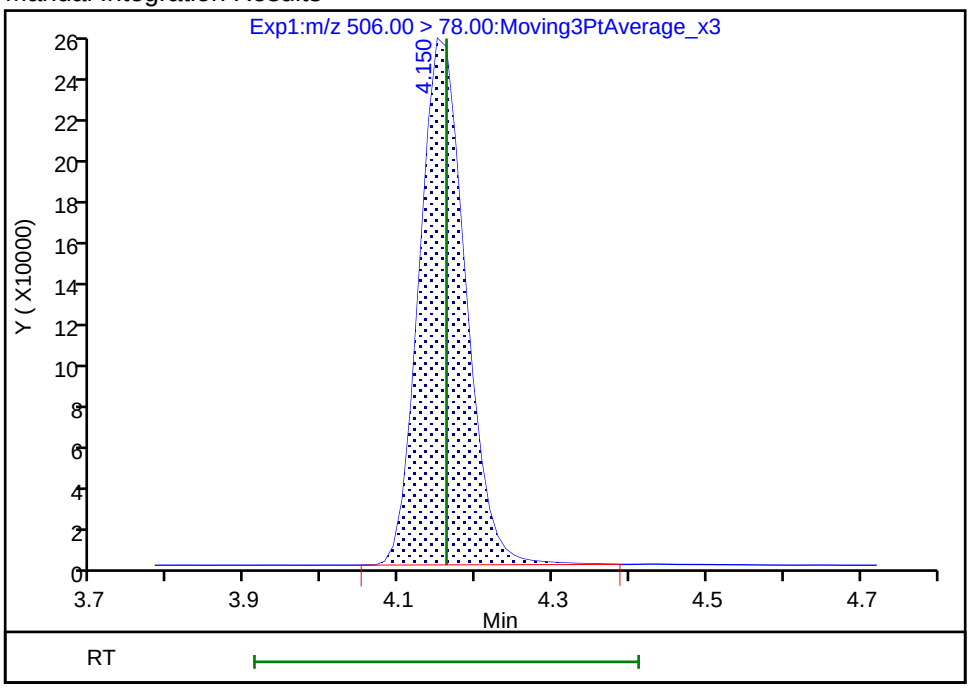
Processing Integration Results

RT: 4.15
Area: 1079083
Amount: 0.945811
Amount Units: ng/ml



Manual Integration Results

RT: 4.15
Area: 1077109
Amount: 0.944081
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:04:45

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

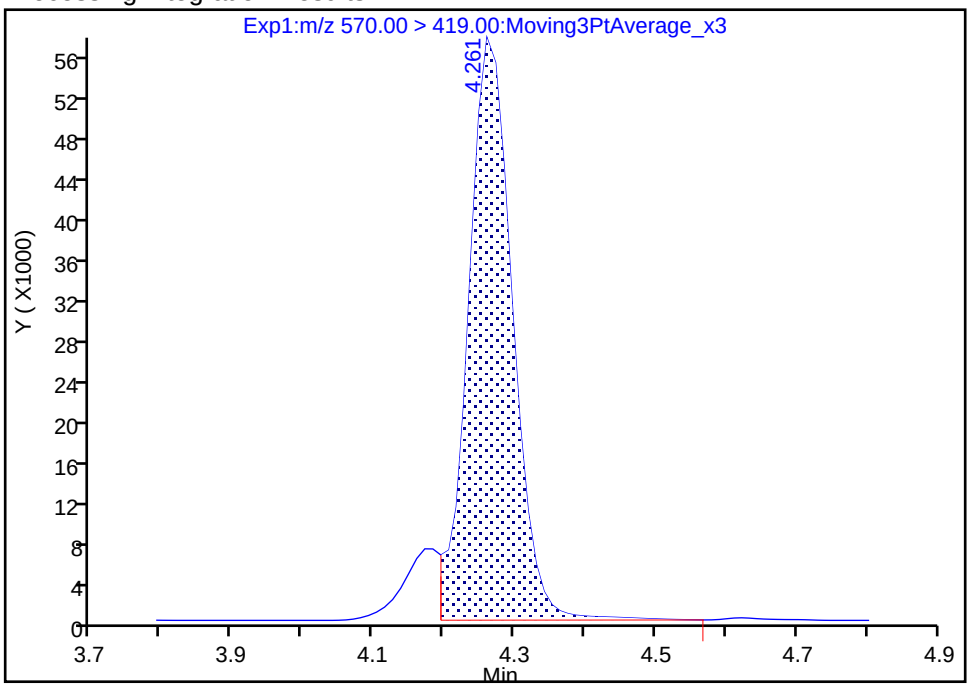
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C03.d
Injection Date: 04-Aug-2022 17:17:40 Instrument ID: LC812
Lims ID: LCS 200-182374/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

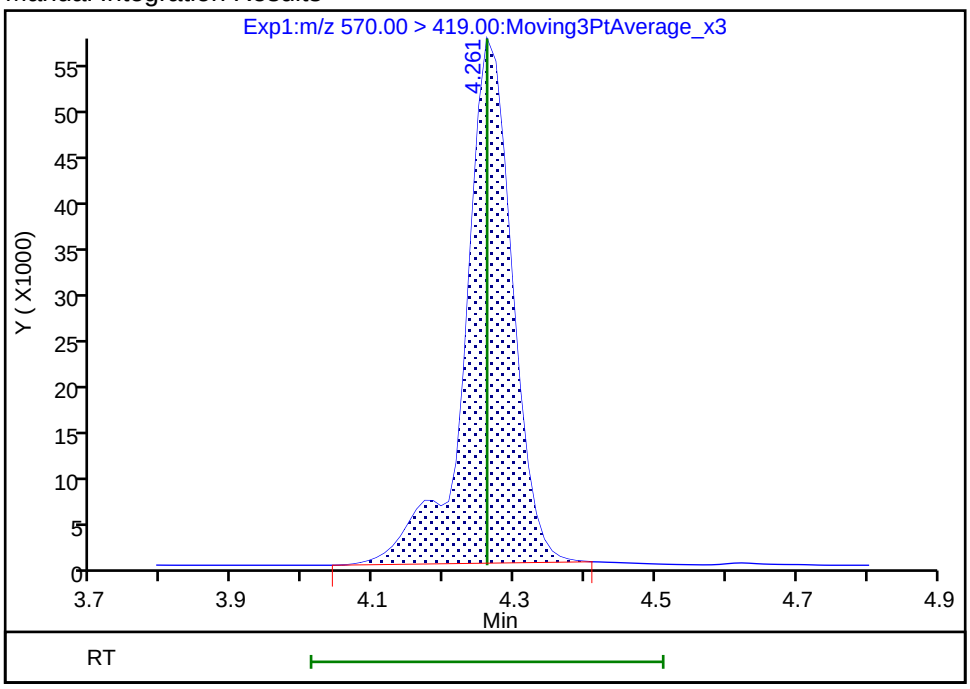
Processing Integration Results

RT: 4.26
Area: 246997
Amount: 1.944381
Amount Units: ng/ml



Manual Integration Results

RT: 4.26
Area: 266431
Amount: 2.097367
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 13:10:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

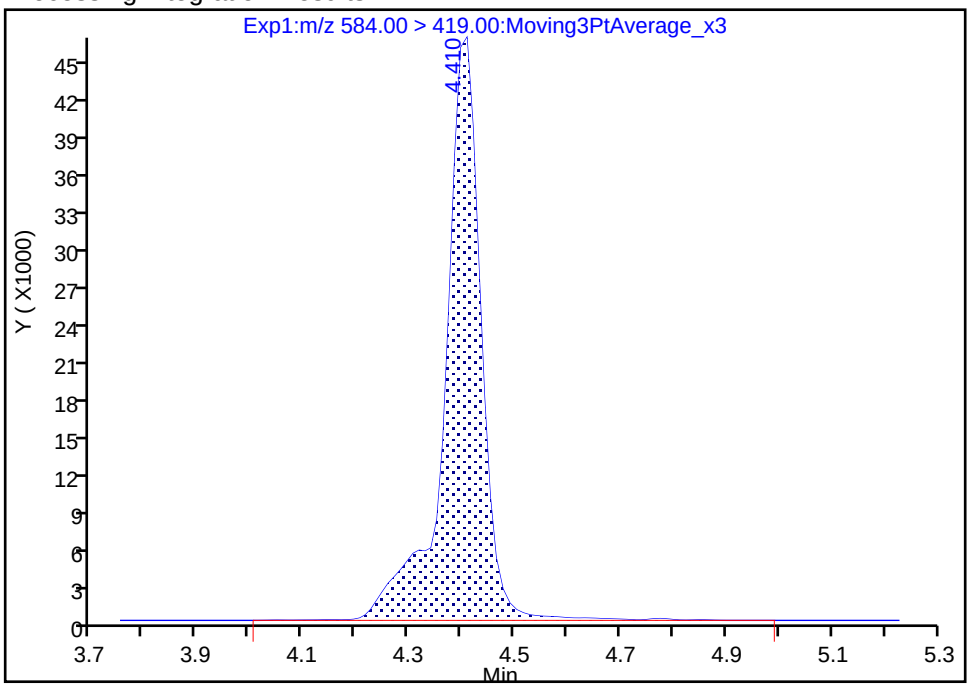
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C03.d
Injection Date: 04-Aug-2022 17:17:40 Instrument ID: LC812
Lims ID: LCS 200-182374/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

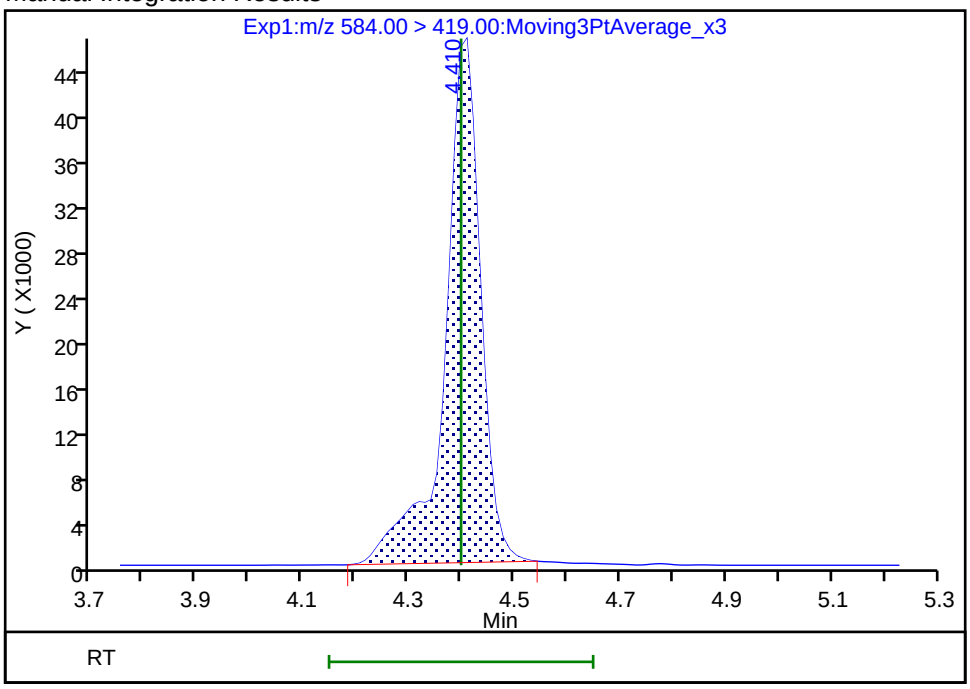
Processing Integration Results

RT: 4.41
Area: 225362
Amount: 2.046269
Amount Units: ng/ml



Manual Integration Results

RT: 4.41
Area: 218430
Amount: 1.994548
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 13:10:27
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

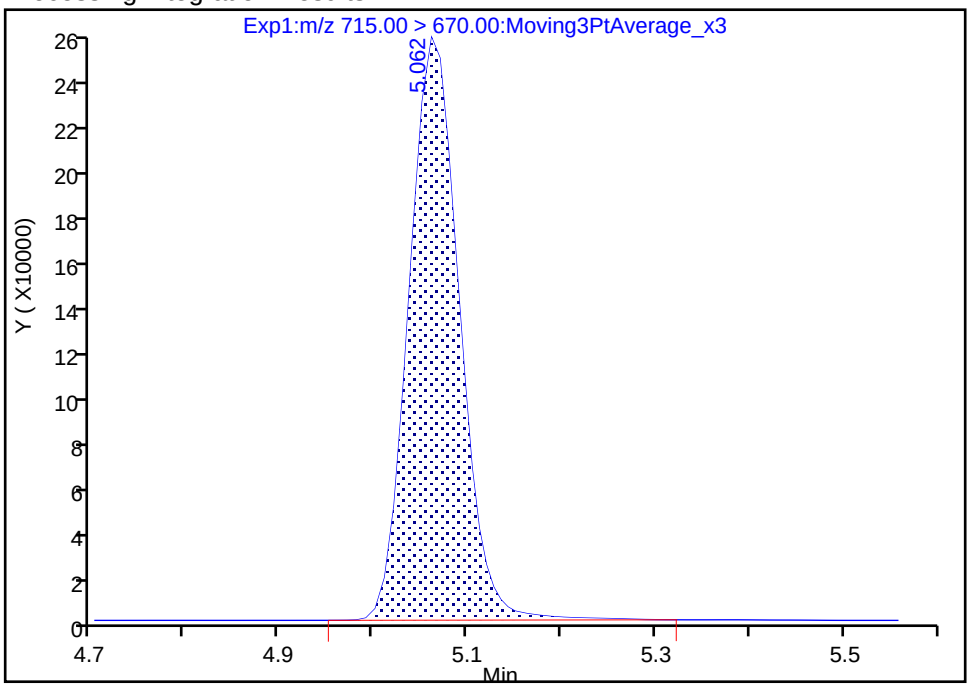
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C03.d
Injection Date: 04-Aug-2022 17:17:40 Instrument ID: LC812
Lims ID: LCS 200-182374/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

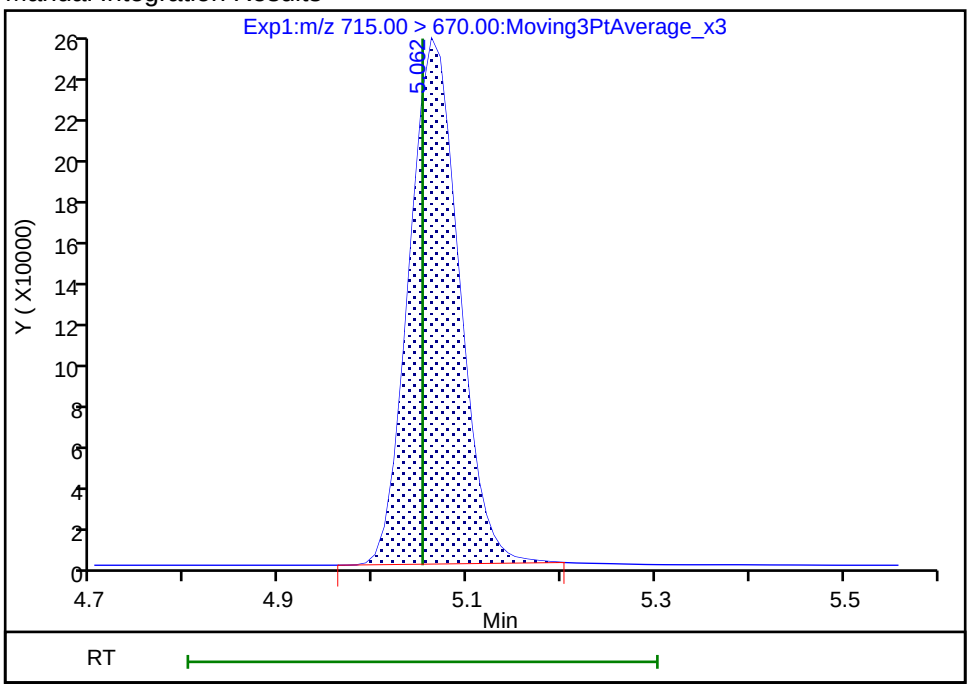
Processing Integration Results

RT: 5.06
Area: 965141
Amount: 1.153565
Amount Units: ng/ml



Manual Integration Results

RT: 5.06
Area: 953369
Amount: 1.139495
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 13:10:46
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

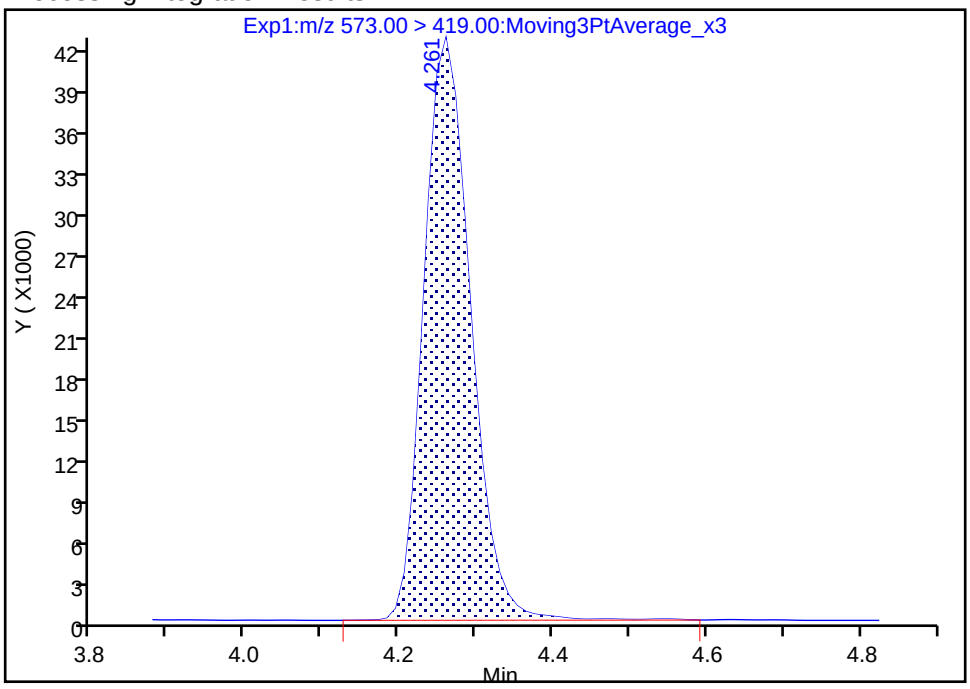
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C03.d
Injection Date: 04-Aug-2022 17:17:40 Instrument ID: LC812
Lims ID: LCS 200-182374/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

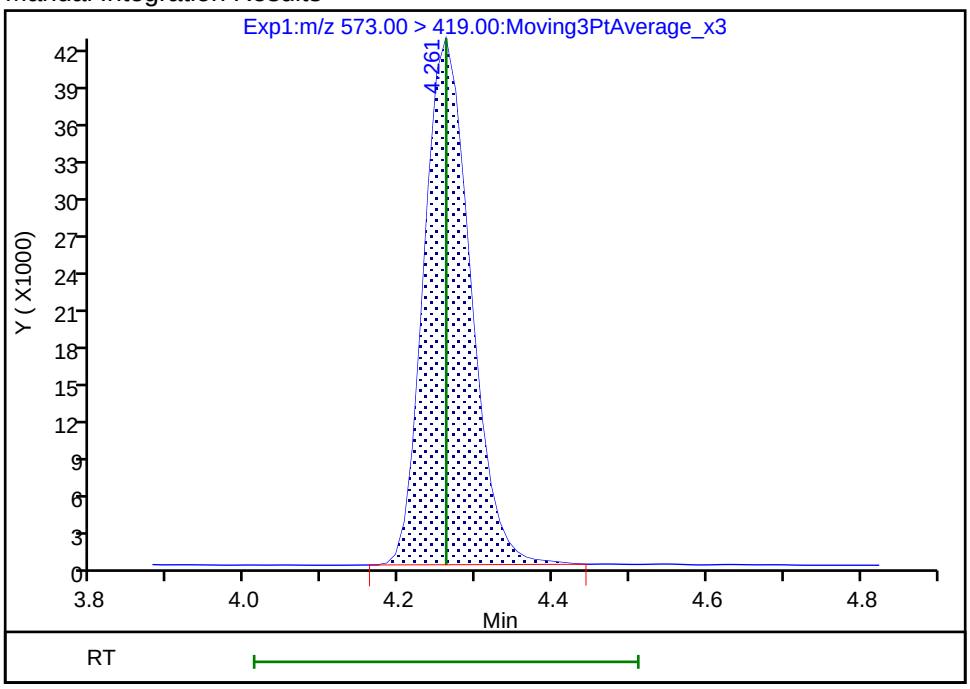
Processing Integration Results

RT: 4.26
Area: 179983
Amount: 1.030134
Amount Units: ng/ml



Manual Integration Results

RT: 4.26
Area: 178794
Amount: 1.023328
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:04:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

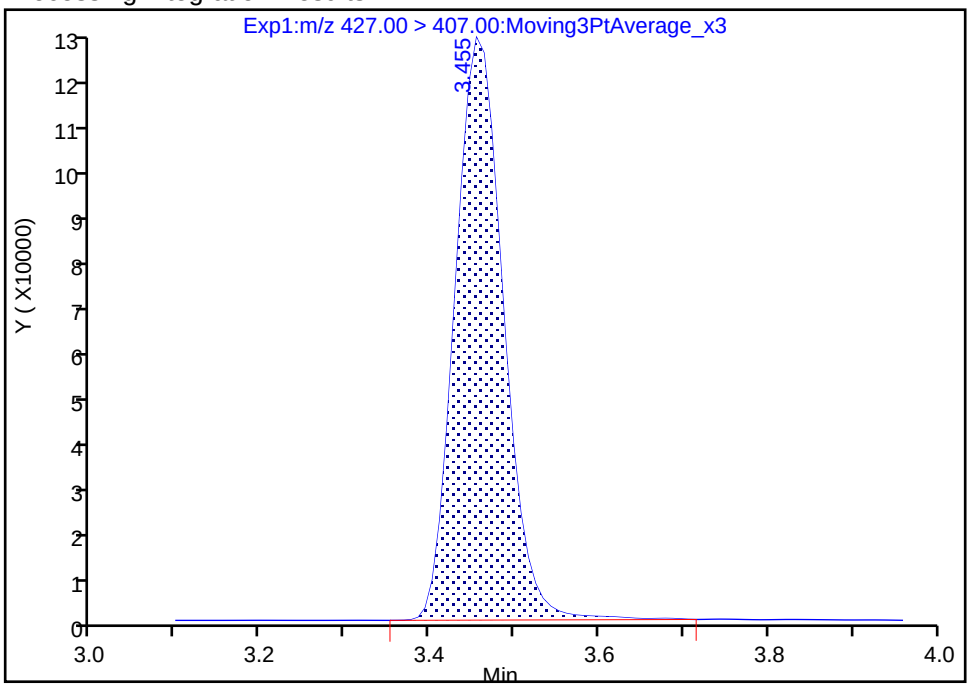
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C03.d
Injection Date: 04-Aug-2022 17:17:40 Instrument ID: LC812
Lims ID: LCS 200-182374/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

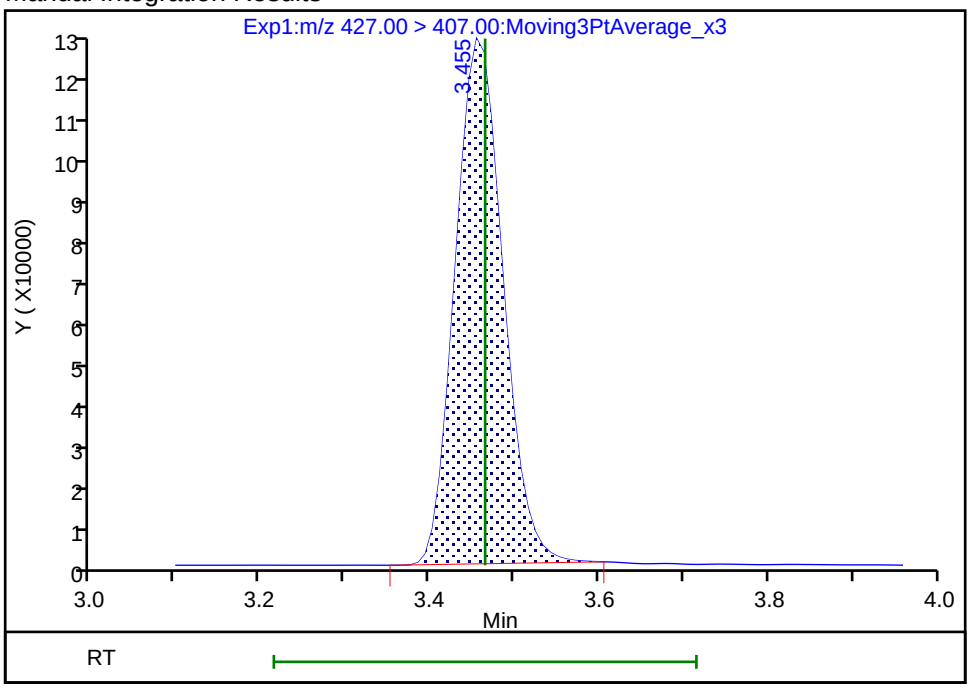
Processing Integration Results

RT: 3.46
Area: 482813
Amount: 2.067965
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 475987
Amount: 2.038491
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 13:08:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

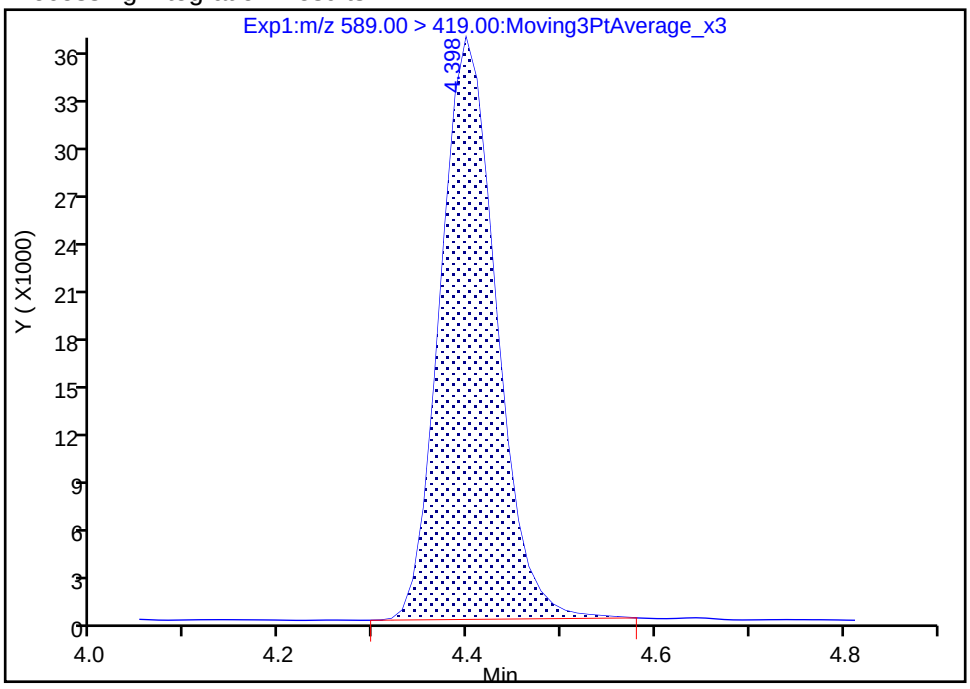
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C03.d
Injection Date: 04-Aug-2022 17:17:40 Instrument ID: LC812
Lims ID: LCS 200-182374/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 32 d5-NEtFOSAA, CAS: STL02117

Signal: 1

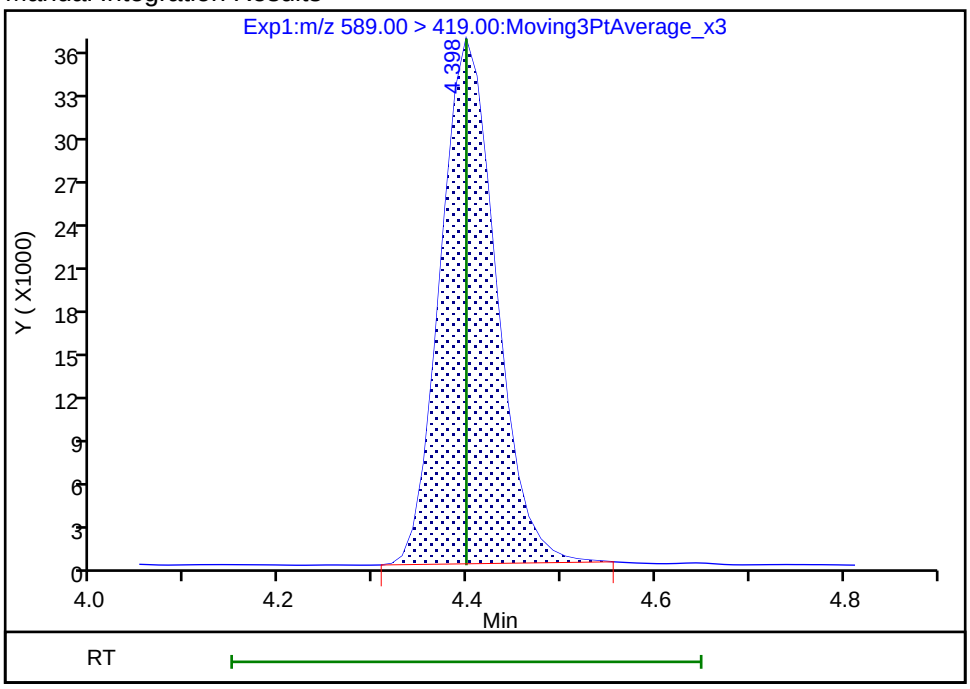
Processing Integration Results

RT: 4.40
Area: 151629
Amount: 0.916876
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 150776
Amount: 0.911718
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 13:10:31
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

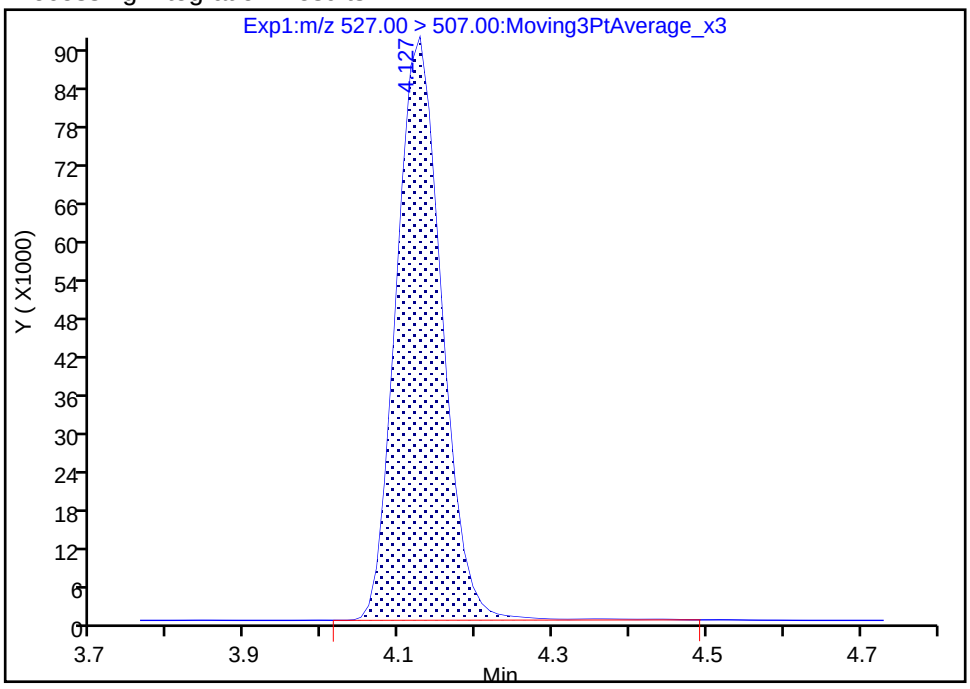
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C03.d
Injection Date: 04-Aug-2022 17:17:40 Instrument ID: LC812
Lims ID: LCS 200-182374/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

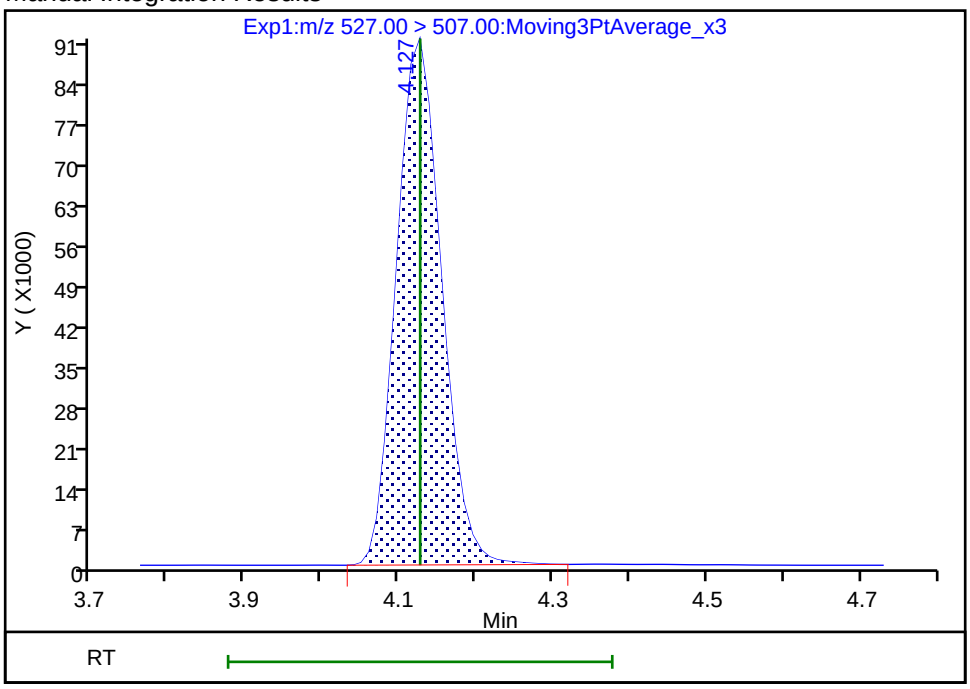
Processing Integration Results

RT: 4.13
Area: 374274
Amount: 2.096796
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 372631
Amount: 2.087591
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:08:27
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

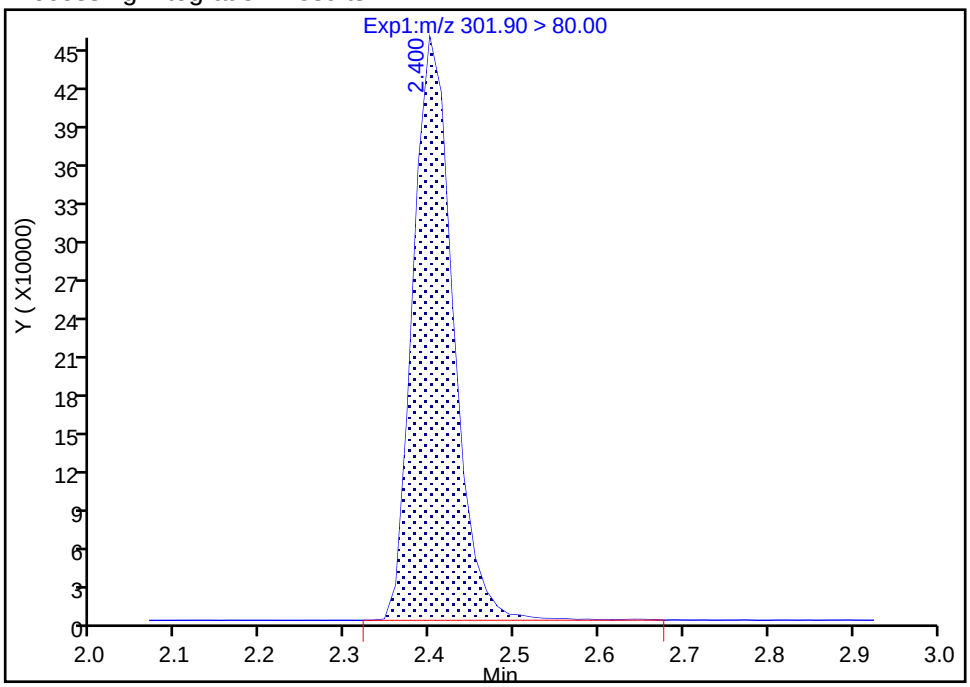
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C03.d
Injection Date: 04-Aug-2022 17:17:40 Instrument ID: LC812
Lims ID: LCS 200-182374/2-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

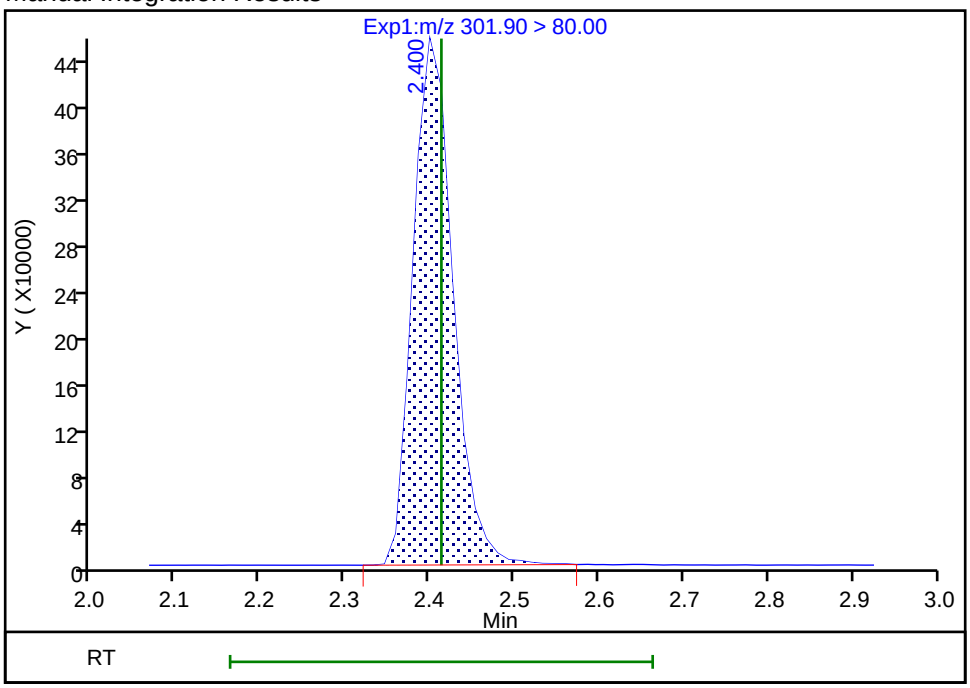
Processing Integration Results

RT: 2.40
Area: 1513662
Amount: 1.075950
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 1507719
Amount: 1.071726
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:04:15
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 200-182374/3-A

Matrix: Water Lab File ID: PA220804C04.d

Analysis Method: 537 (modified) Date Collected:

Extraction Method: 3535 Date Extracted: 08/04/2022 11:45

Sample wt/vol: 250(mL) Date Analyzed: 08/04/2022 17:25

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.: 182386 Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	80.03		5.00	1.20
2706-90-3	Perfluoropentanoic acid (PFPeA)	83.33		2.00	0.68
307-24-4	Perfluorohexanoic acid (PFHxA)	86.20		2.00	0.65
375-85-9	Perfluoroheptanoic acid (PFHpA)	83.52		2.00	0.54
335-67-1	Perfluorooctanoic acid (PFOA)	83.22		2.00	0.76
375-95-1	Perfluorononanoic acid (PFNA)	83.63		2.00	0.49
335-76-2	Perfluorodecanoic acid (PFDA)	83.58		2.00	0.46
2058-94-8	Perfluoroundecanoic acid (PFUnA)	84.46		2.00	0.55
307-55-1	Perfluorododecanoic acid (PFDoA)	83.57		2.00	0.49
72629-94-8	Perfluorotridecanoic acid (PFTriA)	81.83		2.00	0.48
376-06-7	Perfluorotetradecanoic acid (PFTeA)	83.50		2.00	0.64
375-73-5	Perfluorobutanesulfonic acid (PFBS)	73.39		2.00	0.62
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	75.98		2.00	0.55
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	80.28		2.00	0.41
335-77-3	Perfluorodecanesulfonic acid (PFDS)	70.59		2.00	0.40
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	80.69		2.00	0.85
754-91-6	Perfluorooctanesulfonamide (FOSA)	82.73		2.00	0.92
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	81.74		5.00	1.90
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	83.41		5.00	1.60
27619-97-2	6:2 FTS	85.18		5.00	1.30
39108-34-4	8:2 FTS	77.61		2.00	0.77

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 200-182374/3-A

Matrix: Water Lab File ID: PA220804C04.d

Analysis Method: 537 (modified) Date Collected:

Extraction Method: 3535 Date Extracted: 08/04/2022 11:45

Sample wt/vol: 250(mL) Date Analyzed: 08/04/2022 17:25

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.: 182386 Units: ng/L

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL01892	13C4 PFHpA	106		50-150
STL00990	13C4 PFOA	104		50-150
STL00995	13C5 PFNA	107		50-150
STL00992	13C4 PFBA	108		50-150
STL00993	13C2 PFHxA	106		50-150
STL00996	13C2 PFDA	101		50-150
STL00997	13C2 PFUnA	99		50-150
STL00994	18O2 PFHxS	101		50-150
STL00998	13C2 PFDoA	91		50-150
STL00991	13C4 PFOS	100		50-150
STL01056	13C8 FOSA	81		50-150
STL01893	13C5 PFPeA	112		50-150
STL02116	13C2 PFTeDA	95		50-150
STL02118	d3-NMeFOSAA	92		50-150
STL02117	d5-NEtFOSAA	79		50-150
STL02279	M2-6:2 FTS	101		50-150
STL02337	13C3 PFBS	104		50-150
STL02280	M2-8:2 FTS	102		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C04.d
Lims ID: LCSD 200-182374/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 04-Aug-2022 17:25:50 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 200-182374/3-A
Misc. Info.: 200-0051963-004 Plate: 1 Rack: 3
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 05-Aug-2022 14:47:53 Calib Date: 03-Aug-2022 13:41:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1640

First Level Reviewer: khanphomeea Date: 05-Aug-2022 09:17:24
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										M
217.00 > 172.00	2.077	2.076	0.001	0.599	2017143	1.35		108	7264	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.086	2.085	0.001	1.004	3130649	2.00		100	351	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.391	2.400	-0.009	0.689	1603175	1.39		112	3173	
4 Perfluoropentanoic acid										
262.90 > 219.00	2.391	2.400	-0.009	1.000	2754648	2.08		104	93.7	
D 47 13C3 PFBS										
301.90 > 80.00	2.404	2.413	-0.009	0.693	1612028	1.21		104	255096	
5 Perfluorobutanesulfonic acid										
298.90 > 80.00	2.404	2.413	-0.009	1.000	2808511	1.83	Target=2.23	104	2562	
298.90 > 99.00	2.404	2.413	-0.009	1.000	1304947		2.15(1.11-3.34)		869	
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.696	2.713	-0.017	0.777	138956	1.21		104	149	M
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.696	2.713	-0.017	1.000	567540	2.01		107	3124	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.733	2.750	-0.017	1.000	2742374	2.16	Target=12.24	108	473	M
313.00 > 119.00	2.733	2.750	-0.017	1.000	204571		13.41(6.12-18.36)		272	
D 7 13C2 PFHxA										
315.00 > 270.00	2.733	2.750	-0.017	0.788	1524396	1.33		106	2575	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.745	2.750	-0.005	0.884	2419103	1.97	Target=2.95	105	1528	M
349.00 > 99.00	2.745	2.750	-0.005	0.884	788022		3.07(1.48-4.43)		1212	
D 64 13C3 HFPO-DA										M
287.00 > 169.00	2.842	2.859	-0.017	0.819	293765	1.36		109	1750	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
67 Perfluoro(2-propoxypropanoic) ac										M
285.00 > 169.00	2.854	2.859	-0.005	1.004	500324	1.98		99.1	1045	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.105	3.110	-0.005	0.895	1121332	1.20		101	2349	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.105	3.110	-0.005	1.000	1986610	1.90	Target=3.43	104	1622	M
399.00 > 99.00	3.105	3.110	-0.005	1.000	569855		3.49(1.72-5.15)		607	M
D 9 13C4 PFHpA										
367.00 > 322.00	3.116	3.121	-0.005	0.898	1579165	1.33		106	2207	
10 Perfluoroheptanoic acid										
363.00 > 319.00	3.116	3.121	-0.005	1.000	2718617	2.09	Target=3.73	104	722	
363.00 > 169.00	3.116	3.121	-0.005	1.000	728281		3.73(1.86-5.59)		1364	
77 DONA										M
377.00 > 251.00	3.149	3.154	-0.005	0.831	5860817	2.03	Target=2.84	108	3607	M
377.00 > 85.00	3.149	3.154	-0.005	0.831	2122101		2.76(1.42-4.26)		1841	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.461	3.465	-0.004	0.997	187039	1.19		101	545	
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.461	3.465	-0.004	1.000	492629	2.13		112	664	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.461	3.465	-0.004	0.914	1739751	2.01	Target=4.89	105	2052	M
449.00 > 99.00	3.461	3.465	-0.004	0.914	353646		4.92(2.44-7.33)		949	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.470	3.474	-0.004	1.000	2947350	2.08	Target=2.67	104	352	
413.00 > 169.00	3.470	3.474	-0.004	1.000	1075966		2.74(1.34-4.01)		839	M
D 14 13C4 PFOA										
417.00 > 372.00	3.470	3.474	-0.004	1.000	1579154	1.29		104	3292	
* 62 13C2 PFOA										
415.00 > 370.00	3.470	3.474	-0.004		1601221	1.25			2816	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.789	3.792	-0.003	1.000	1420468	2.02	Target=4.88	109	872	M
499.00 > 99.00	3.789	3.792	-0.003	1.000	307257		4.62(2.44-7.32)		801	M
D 18 13C4 PFOS										
503.00 > 80.00	3.789	3.792	-0.003	1.092	838113	1.20		100	1892	
20 Perfluorononanoic acid										
463.00 > 419.00	3.808	3.812	-0.004	1.000	2885102	2.09	Target=8.23	105	792	
463.00 > 169.00	3.808	3.812	-0.004	1.000	362866		7.95(4.11-12.34)		3103	
D 19 13C5 PFNA										
468.00 > 423.00	3.808	3.812	-0.004	1.098	1695337	1.34		107	3521	
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.959	3.960	-0.001	1.045	2366382	1.91		102	1950	M
68 Perfluorononanesulfonic acid										
549.00 > 80.00	4.091	4.093	-0.002	1.080	1012468	1.84	Target=2.53	96.0	1889	
549.00 > 99.00	4.091	4.093	-0.002	1.080	400849		2.53(1.26-3.79)		1703	
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.126	4.116	0.010	1.000	2731506	2.09	Target=9.67	104	1159	M
513.00 > 169.00	4.126	4.116	0.010	1.000	301212		9.07(4.83-14.50)		1102	

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 23 13C2 PFDA										
515.00 > 470.00	4.126	4.116	0.010	1.189	1553747	1.26		101	1911	
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.126	4.127	-0.001	1.000	360829	1.94		101	861	M
D 26 M2-8:2 FTS										M
529.00 > 81.00	4.126	4.127	-0.001	1.189	230624	1.22		102	670	M
D 21 13C8 FOSA										M
506.00 > 78.00	4.160	4.161	-0.001	1.199	1088160	1.01		80.7	1215	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.160	4.161	-0.001	1.000	1834724	2.07		103	1709	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.272	4.261	0.011	1.003	276693	2.04		102	502	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.260	4.261	-0.001	1.228	190578	1.15		92.3	245	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.363	4.365	-0.002	1.152	721193	1.76	Target=2.80	91.5	2039	M
599.00 > 99.00	4.363	4.365	-0.002	1.152	285859		2.52(1.40-4.20)		1426	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.397	4.387	0.010	1.267	1153167	1.23		98.8	2470	
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.397	4.387	0.010	1.000	2063613	2.11	Target=9.07	106	1743	
563.00 > 169.00	4.397	4.387	0.010	1.000	235449		8.76(4.54-13.61)		1120	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.409	4.399	0.010	1.000	234378	2.09		104	835	M
D 32 d5-NEtFOSAA										M
589.00 > 419.00	4.409	4.399	0.010	1.270	154745	0.9894		79.2	624	M
66 11-Chloroeicosafluoro-3-oxaundec										M
631.00 > 451.00	4.503	4.491	0.012	1.188	2463154	1.53		81.1	1951	M
D 36 13C2 PFDoA										M
615.00 > 570.00	4.642	4.633	0.009	1.338	1101316	1.14		91.0	1257	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.642	4.633	0.009	1.000	1866782	2.09	Target=6.97	104	303	M
613.00 > 169.00	4.642	4.633	0.009	1.000	288613		6.47(3.48-10.45)		1278	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.662	4.654	0.008	1.130	160125	1.84		95.6	1076	M
75 Perfluorododecanesulfonic acid (										
699.00 > 80.00	4.824	4.813	0.011	1.273	287428	1.58	Target=0.52	81.8	1379	
699.00 > 99.00	4.824	4.813	0.011	1.273	531687		0.54(0.26-0.79)		2409	
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.869	4.859	0.010	1.049	1584479	2.05	Target=4.56	102	296	M
663.00 > 169.00	4.869	4.859	0.010	1.049	354388		4.47(2.28-6.84)		754	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.070	5.052	0.018	1.461	937972	1.19		94.8	1557	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.070	5.052	0.018	1.000	250965	2.09	Target=0.94	104	711	M
713.00 > 219.00	5.061	5.052	0.009	0.998	266400		0.94(0.47-1.41)		798	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	5.454	5.422	0.032	1.002	1661739	2.23	Target=4.38	111	397	M
813.00 > 169.00	5.443	5.422	0.021	1.000	364496		4.56(2.19-6.57)		998	M
D 44 13C2 PFHxDA										
815.00 > 770.00	5.443	5.422	0.021	1.569	1032391	1.15		91.6	2699	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.832	5.795	0.037	1.071	1284769	2.34	Target=4.31	117	343	M
913.00 > 169.00	5.832	5.795	0.037	1.071	297217		4.32(2.16-6.47)		706	M

QC Flag Legend

Processing Flags

Review Flags

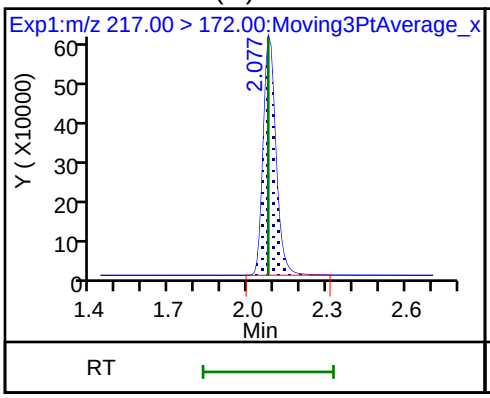
M - Manually Integrated

Report Date: 05-Aug-2022 14:48:08 Chrom Revision: 2.3 04-Aug-2022 18:02:28

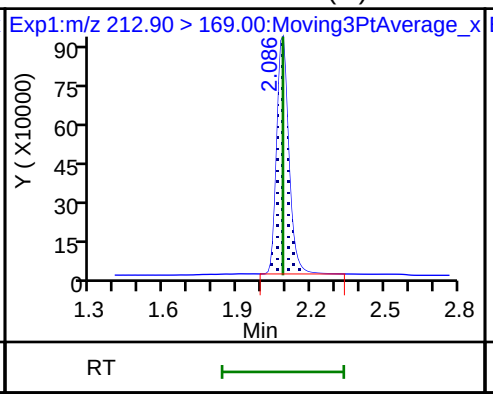
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C04.d
Injection Date: 04-Aug-2022 17:25:50 Instrument ID: LC812
Lims ID: LCSD 200-182374/3-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL

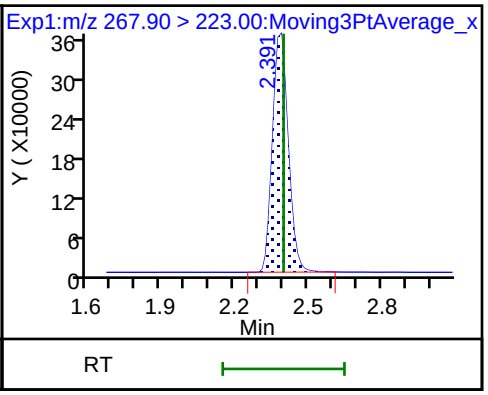
D 1 13C4 PFBA (M)



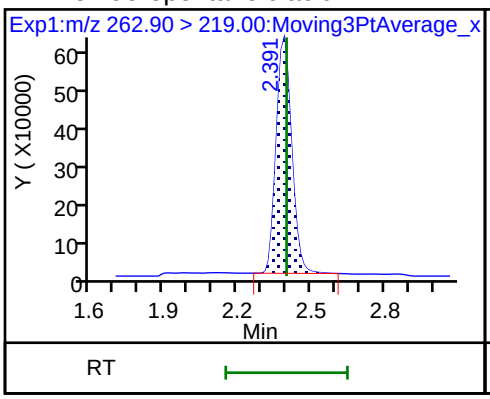
2 Perfluorobutanoic acid (M)



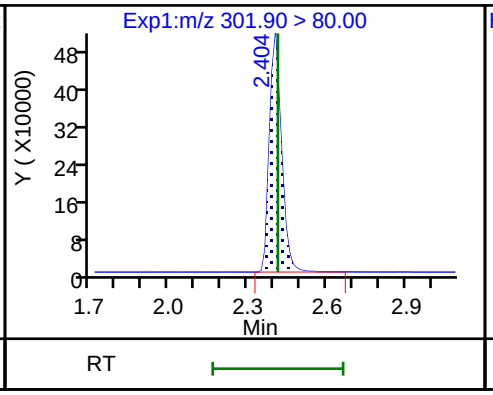
D 3 13C5 PFPeA



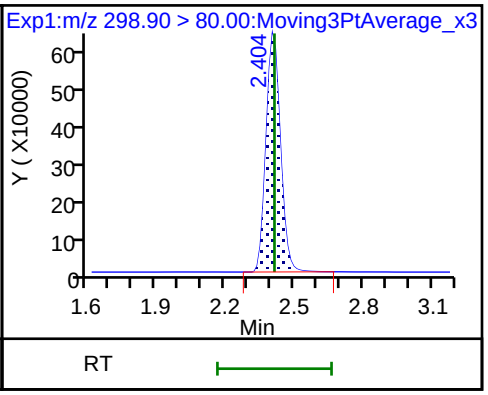
4 Perfluoropentanoic acid



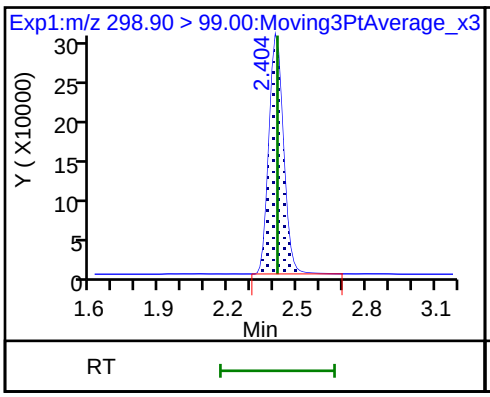
D 47 13C3 PFBS



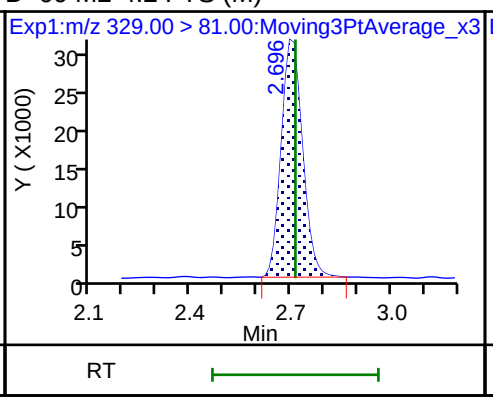
5 Perfluorobutanesulfonic acid



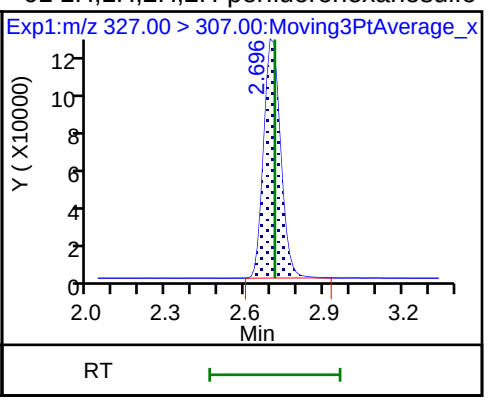
5 Perfluorobutanesulfonic acid



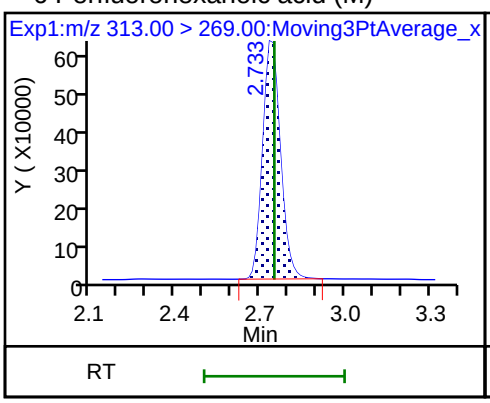
D 60 M2-4:2 FTS (M)



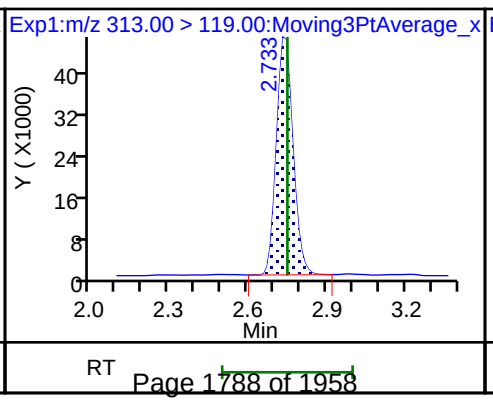
61 1H,1H,2H,2H-perfluorohexanesulfo



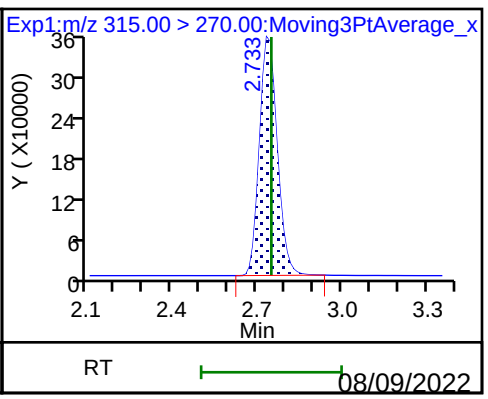
6 Perfluorohexanoic acid (M)



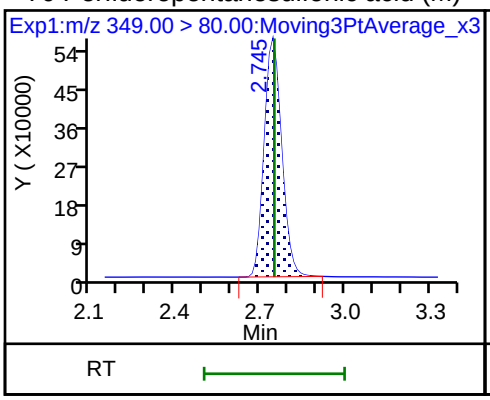
6 Perfluorohexanoic acid



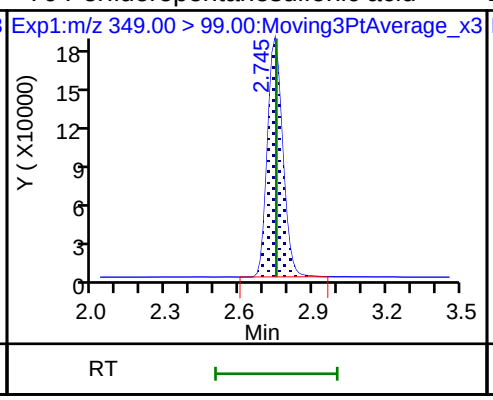
D 7 13C2 PFHxA



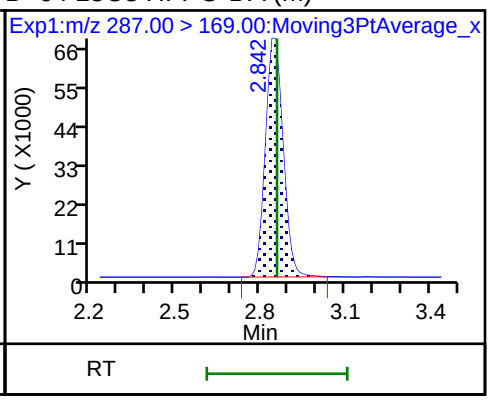
70 Perfluoropentanesulfonic acid (M)



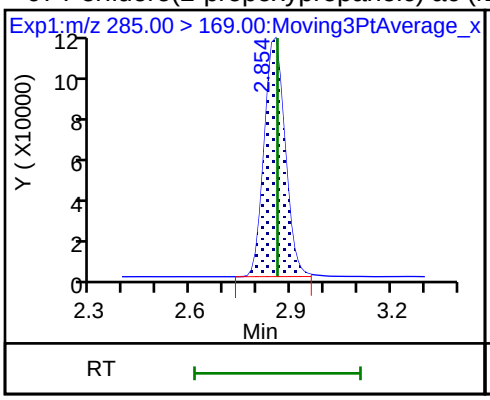
70 Perfluoropentanesulfonic acid



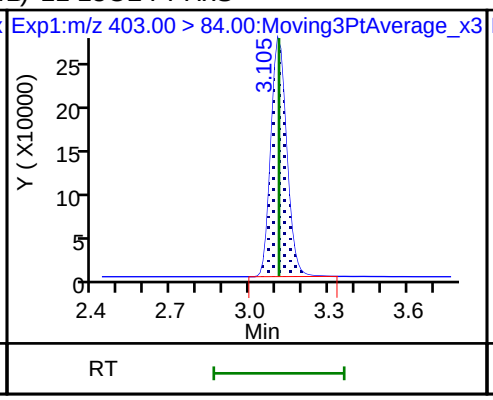
D 64 13C3 HFPO-DA (M)



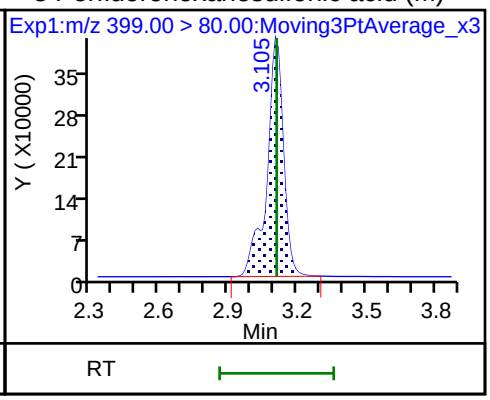
67 Perfluoro(2-propoxypropanoic) ac (M)



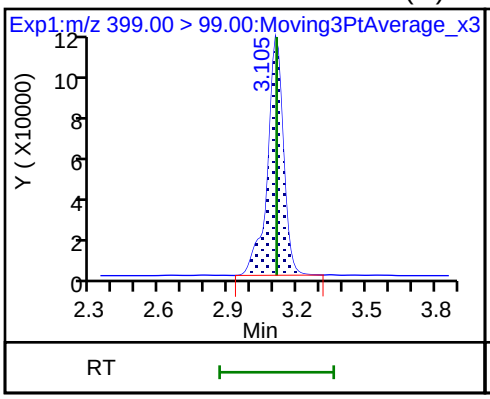
D 11 18O2 PFHxS



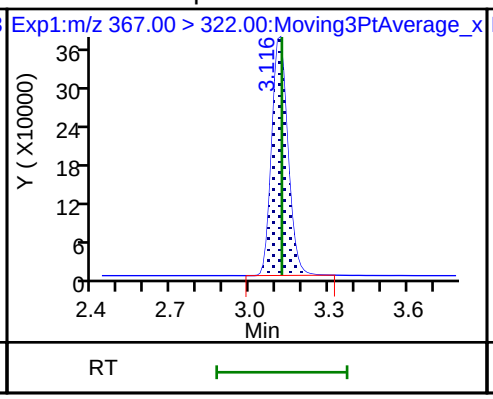
8 Perfluorohexanesulfonic acid (M)



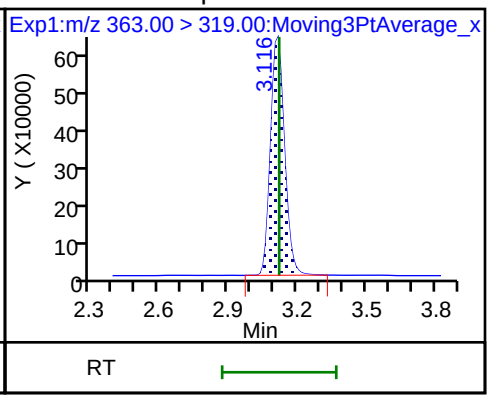
8 Perfluorohexanesulfonic acid (M)



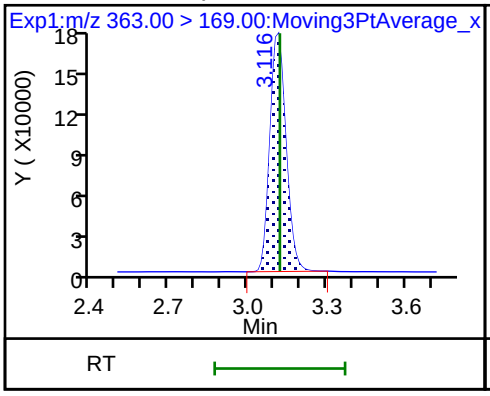
D 9 13C4 PFHpA



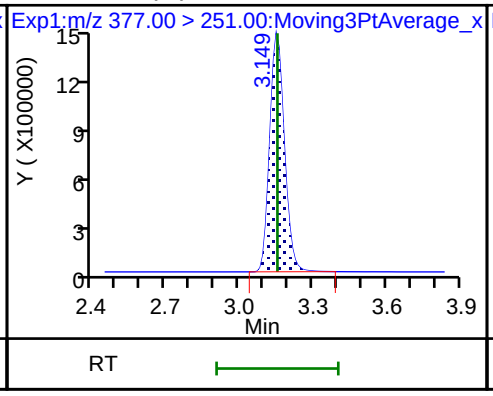
10 Perfluoroheptanoic acid



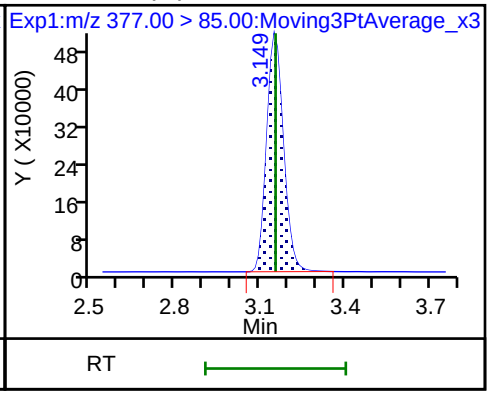
10 Perfluoroheptanoic acid



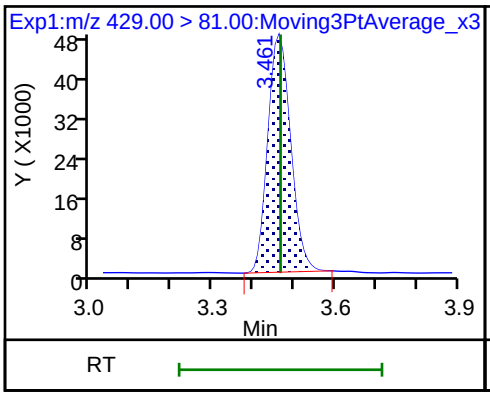
77 DONA (M)



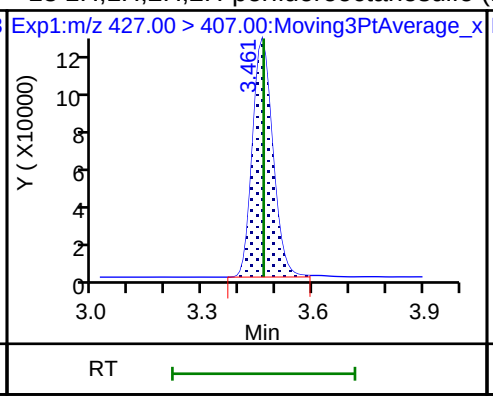
77 DONA (M)



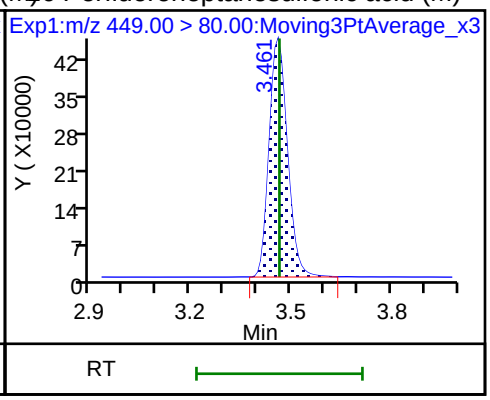
D 12 M2-6:2 FTS



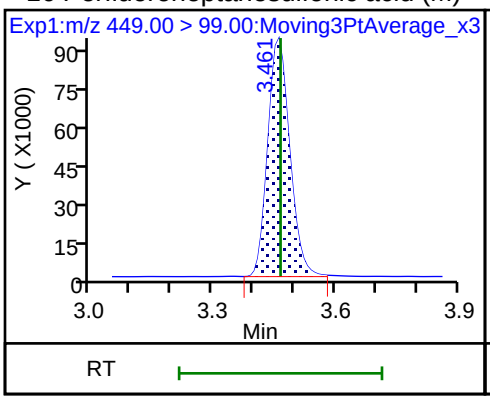
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



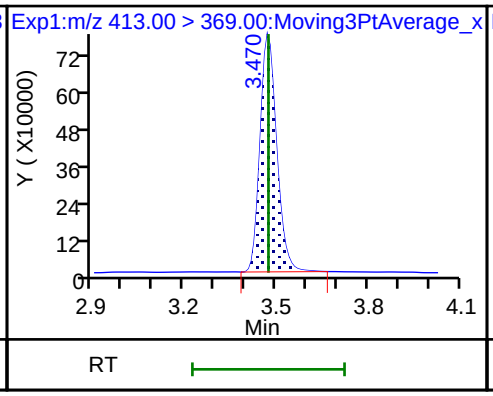
16 Perfluoroheptanesulfonic acid (M)



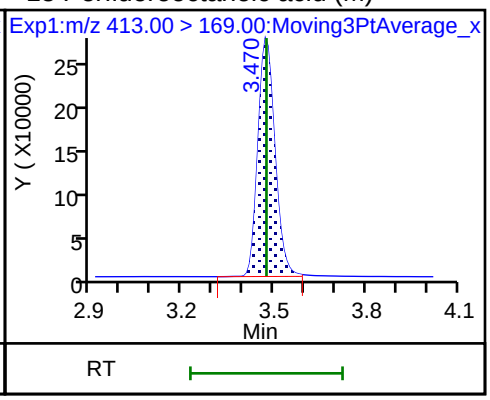
16 Perfluoroheptanesulfonic acid (M)



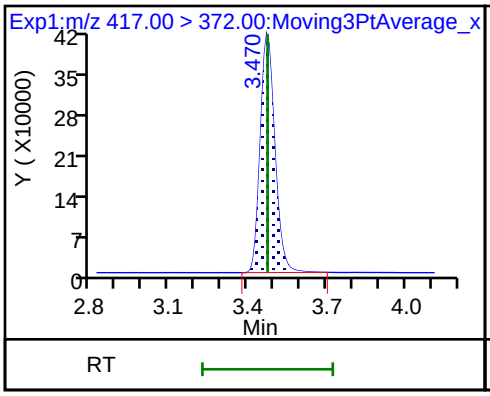
15 Perfluorooctanoic acid



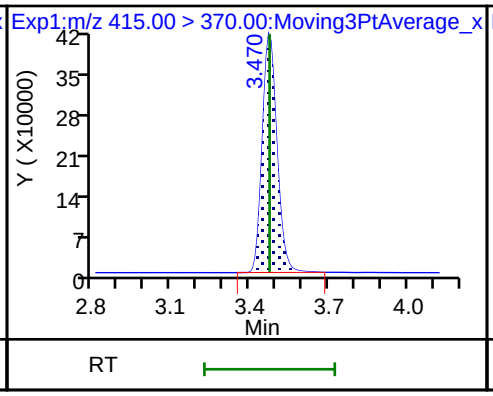
15 Perfluorooctanoic acid (M)



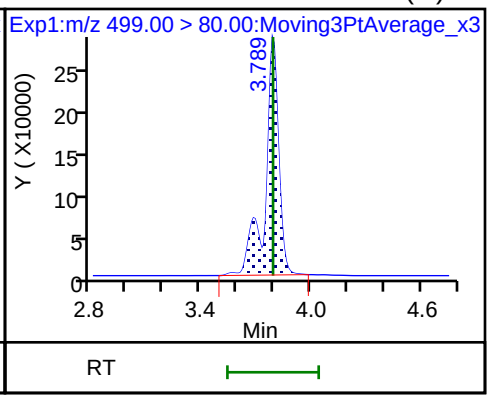
D 14 13C4 PFOA



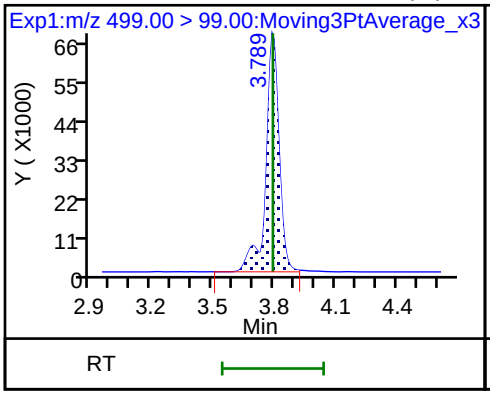
* 62 13C2 PFOA



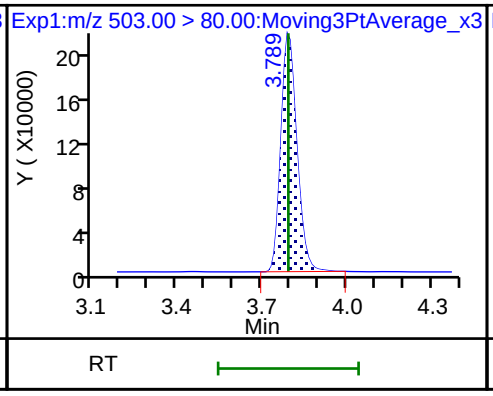
17 Perfluorooctanesulfonic acid (M)



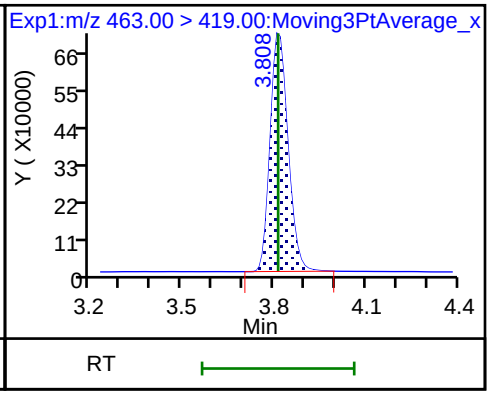
17 Perfluorooctanesulfonic acid (M)



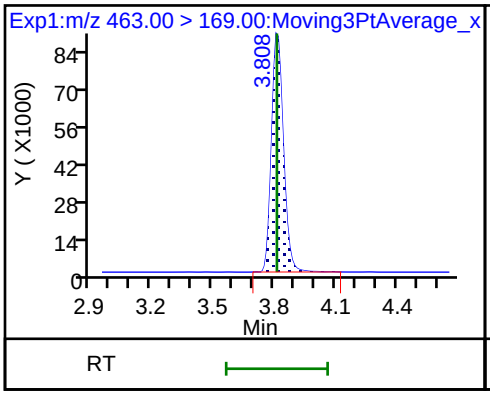
D 18 13C4 PFOS



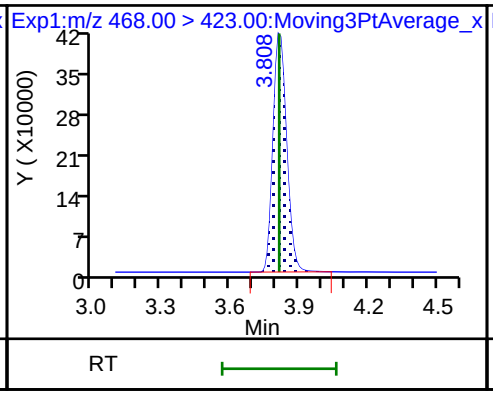
20 Perfluorononanoic acid



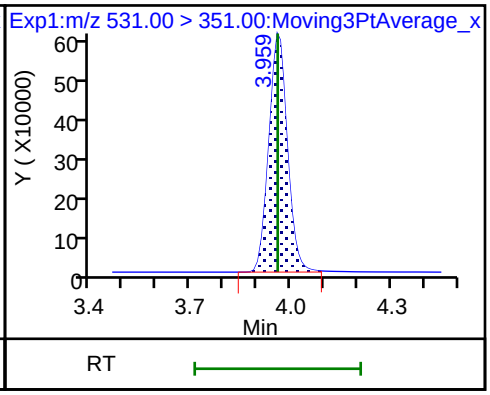
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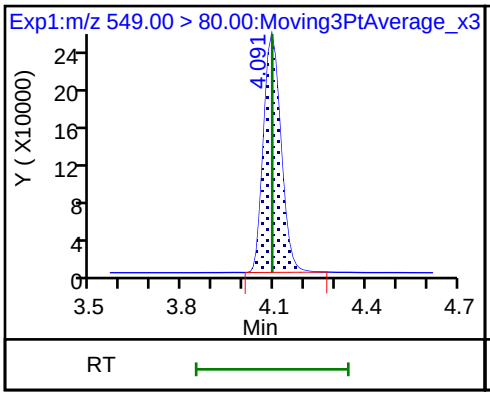
D 19 13C5 PFNA



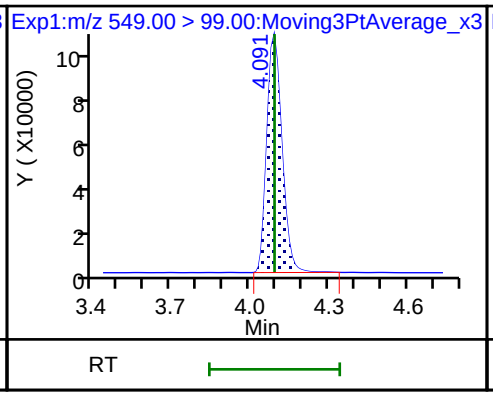
69 9-Chlorohexadecafluoro-3-oxanona (M)



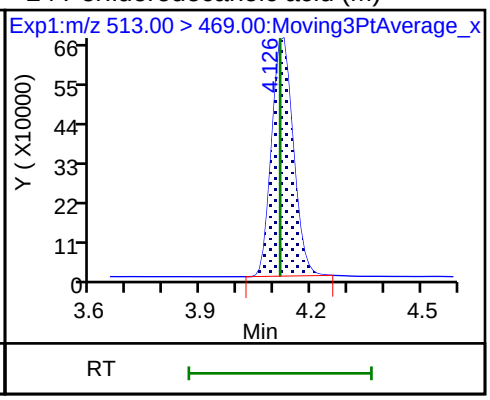
68 Perfluorononanesulfonic acid



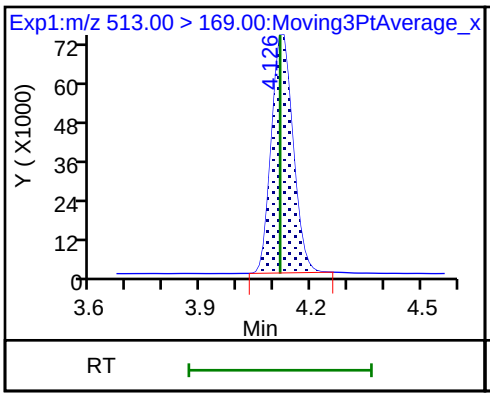
68 Perfluorononanesulfonic acid



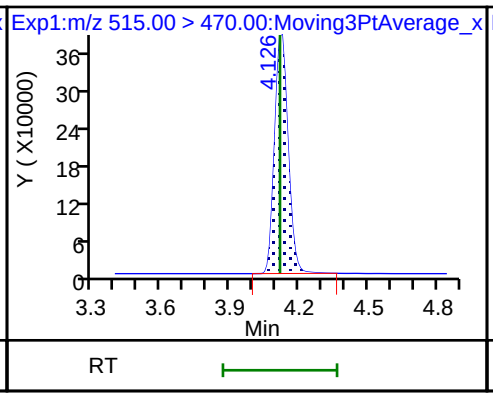
24 Perfluorodecanoic acid (M)



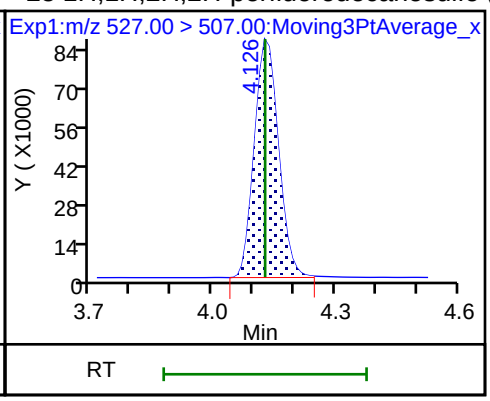
24 Perfluorodecanoic acid



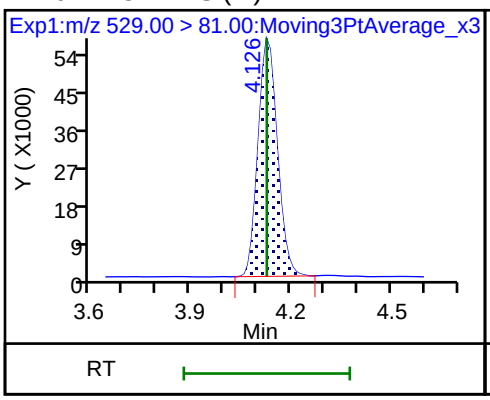
D 23 13C2 PFDA



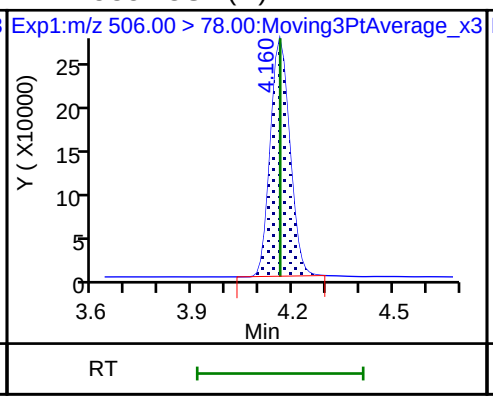
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



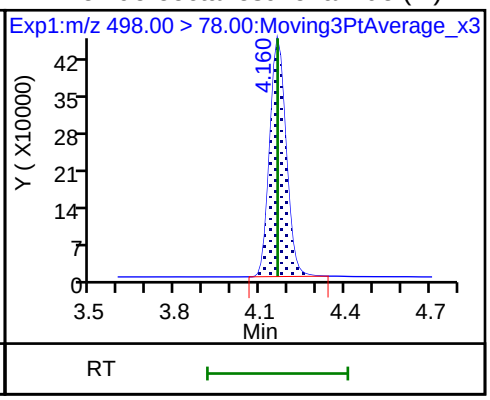
D 26 M2-8:2 FTS (M)



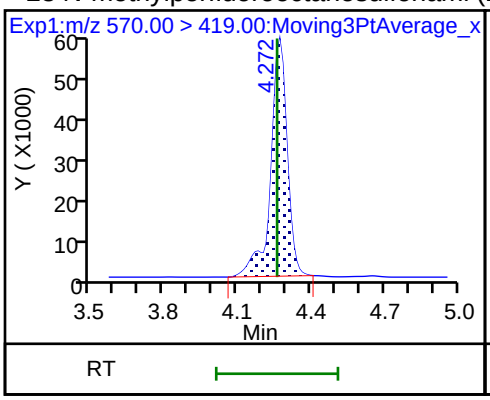
D 21 13C8 FOSA (M)



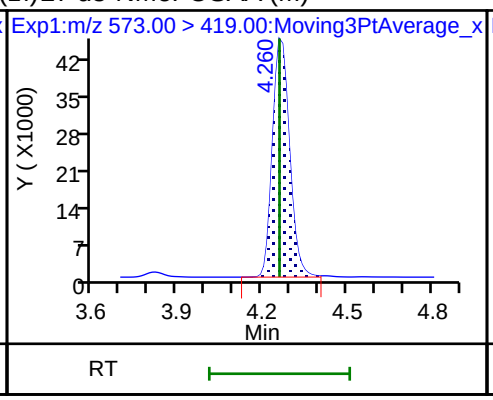
22 Perfluorooctanesulfonamide (M)



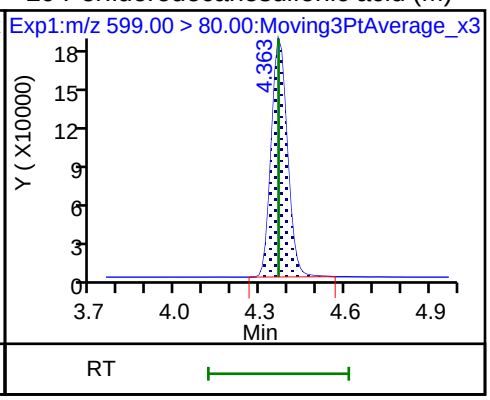
28 N-methylperfluorooctanesulfonami (M)



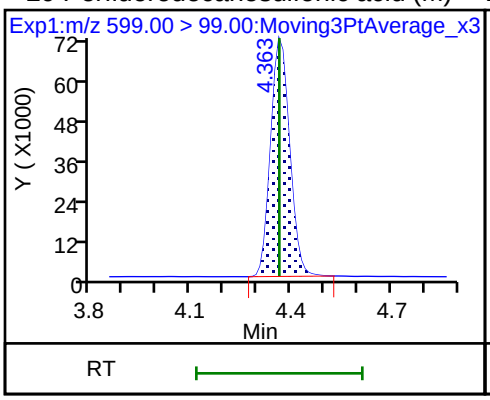
D 27 d3-NMeFOSAA (M)



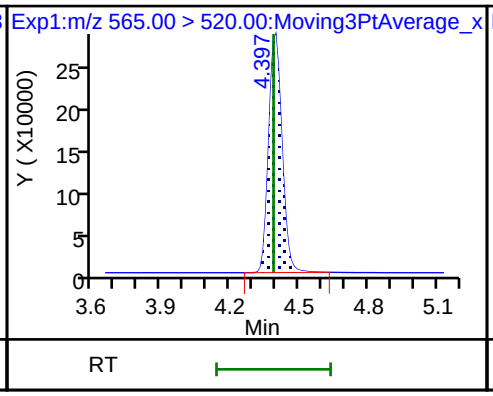
29 Perfluorodecanesulfonic acid (M)



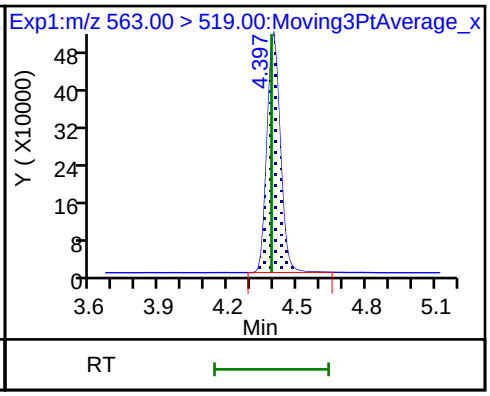
29 Perfluorodecanesulfonic acid (M)



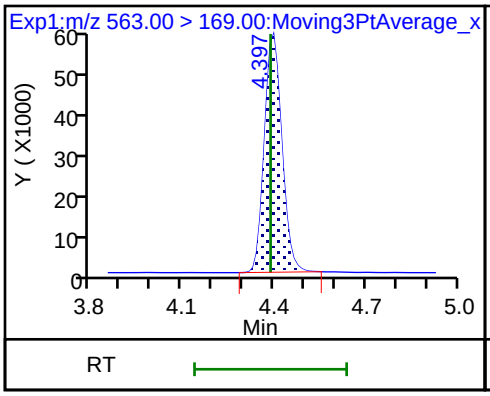
D 30 13C2 PFUnA



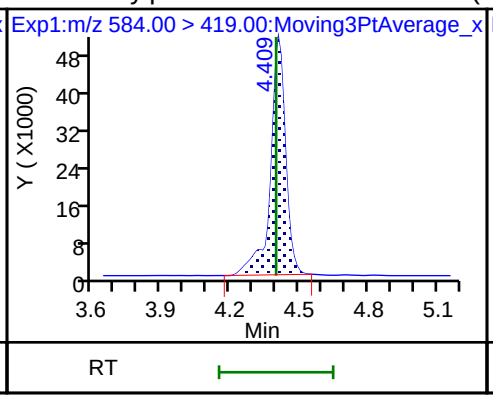
31 Perfluoroundecanoic acid



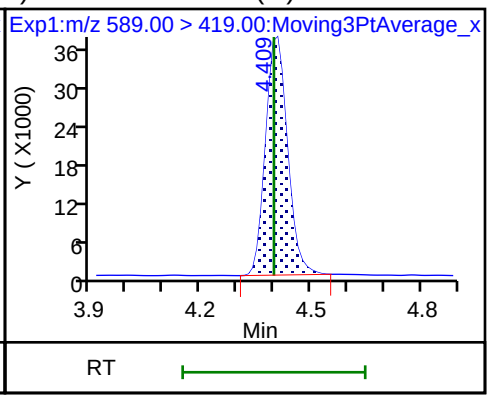
31 Perfluoroundecanoic acid



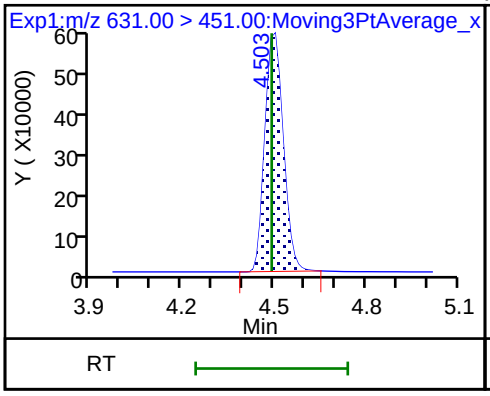
33 N-ethylperfluorooctanesulfonamid (M)



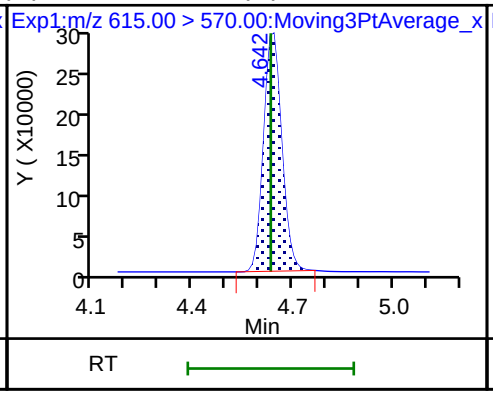
D 32 d5-NEtFOSAA (M)



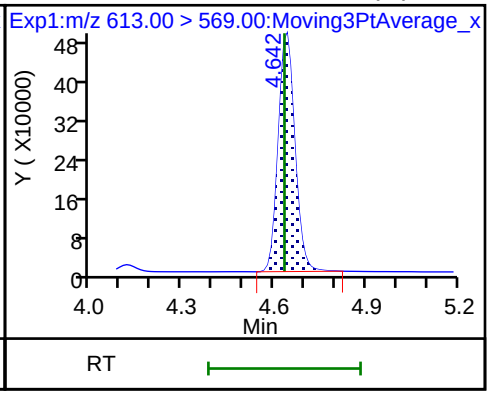
66 11-Chloroeicosafluoro-3-oxaundec (M)



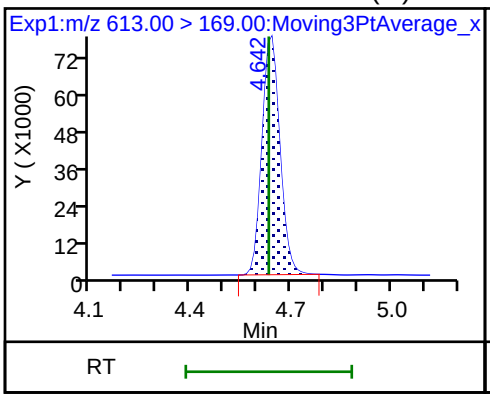
D 36 13C2 PFDoA (M)



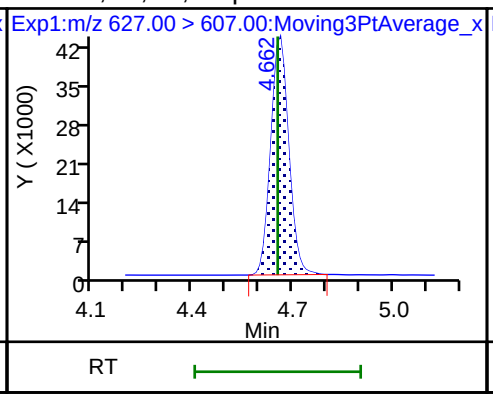
37 Perfluorododecanoic acid (M)



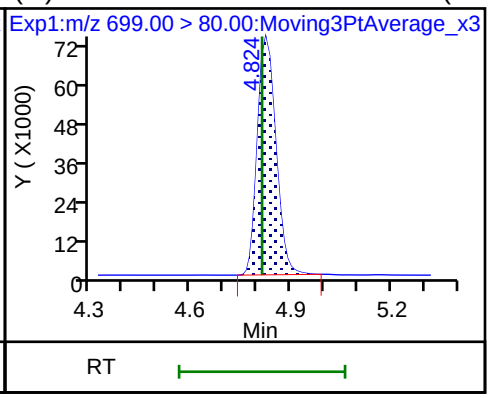
37 Perfluorododecanoic acid (M)



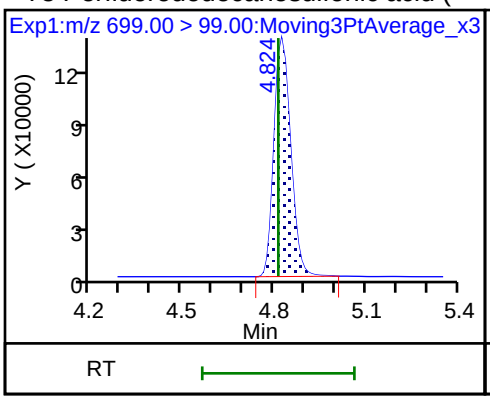
74 1H,1H,2H,2H-perfluorododecanesul (M)



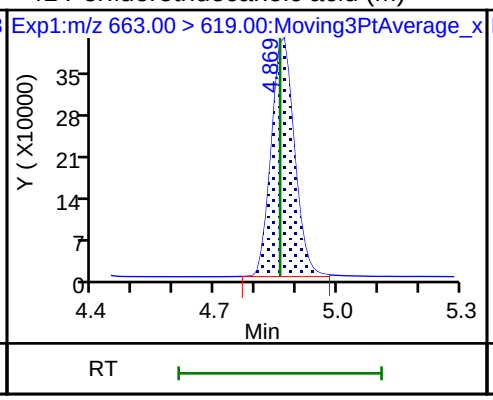
75 Perfluorododecanesulfonic acid (



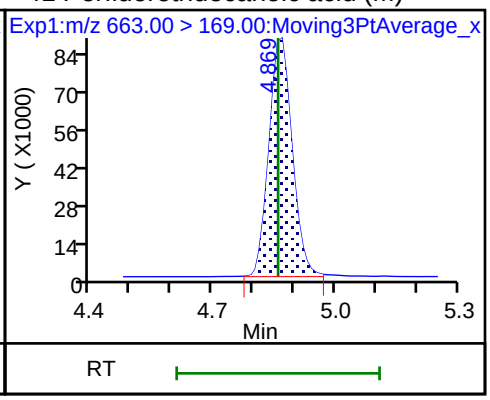
75 Perfluorododecanesulfonic acid (



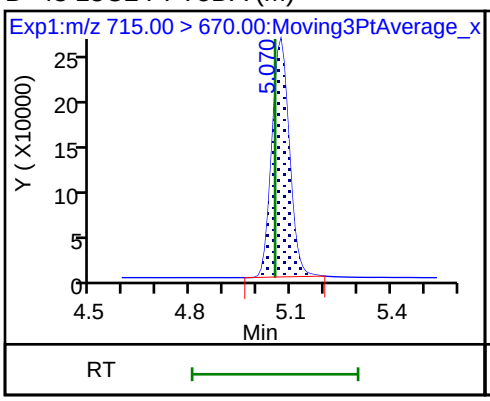
41 Perfluorotridecanoic acid (M)



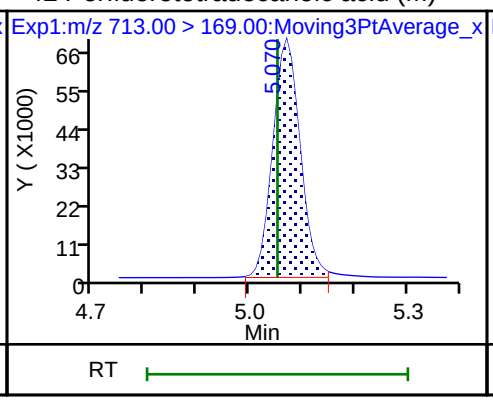
41 Perfluorotridecanoic acid (M)



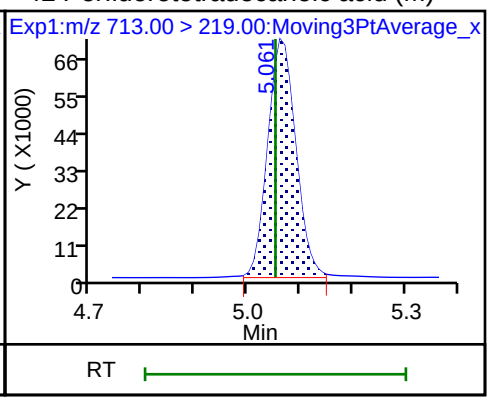
D 43 13C2 PFTeDA (M)



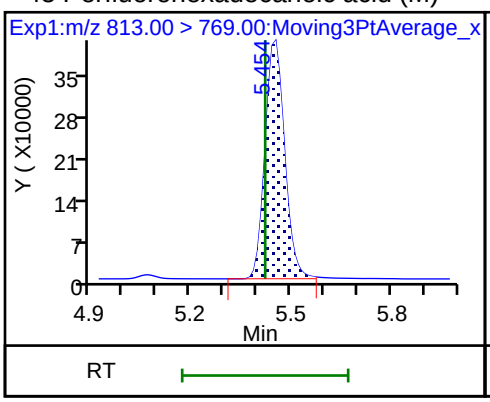
42 Perfluorotetradecanoic acid (M)



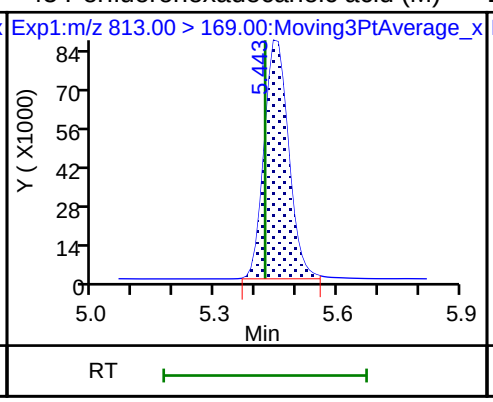
42 Perfluorotetradecanoic acid (M)



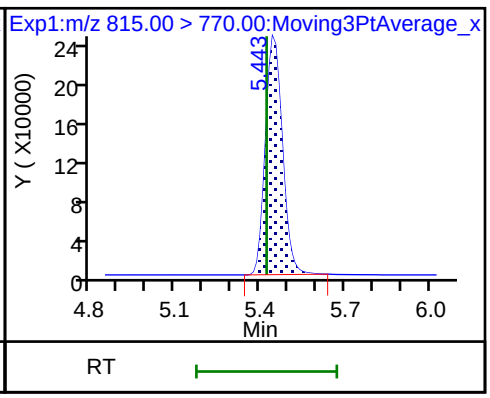
45 Perfluorohexadecanoic acid (M)



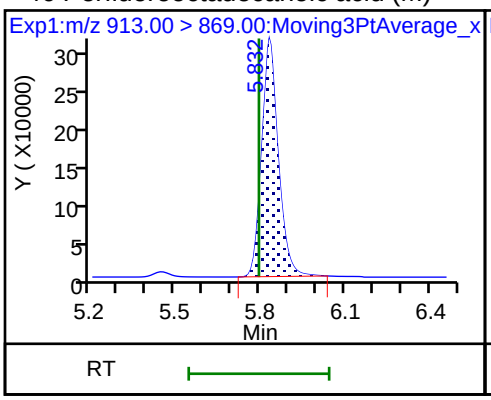
45 Perfluorohexadecanoic acid (M)



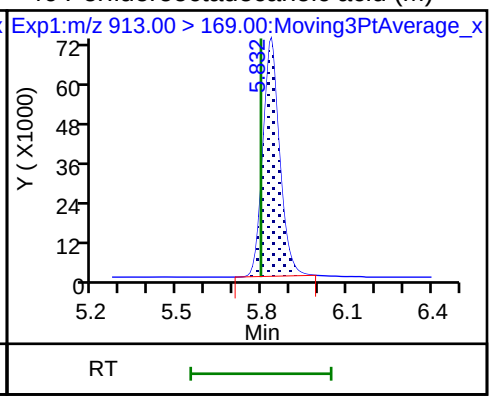
D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M)



46 Perfluorooctadecanoic acid (M)



Manual Integration/User Assign Peak Report

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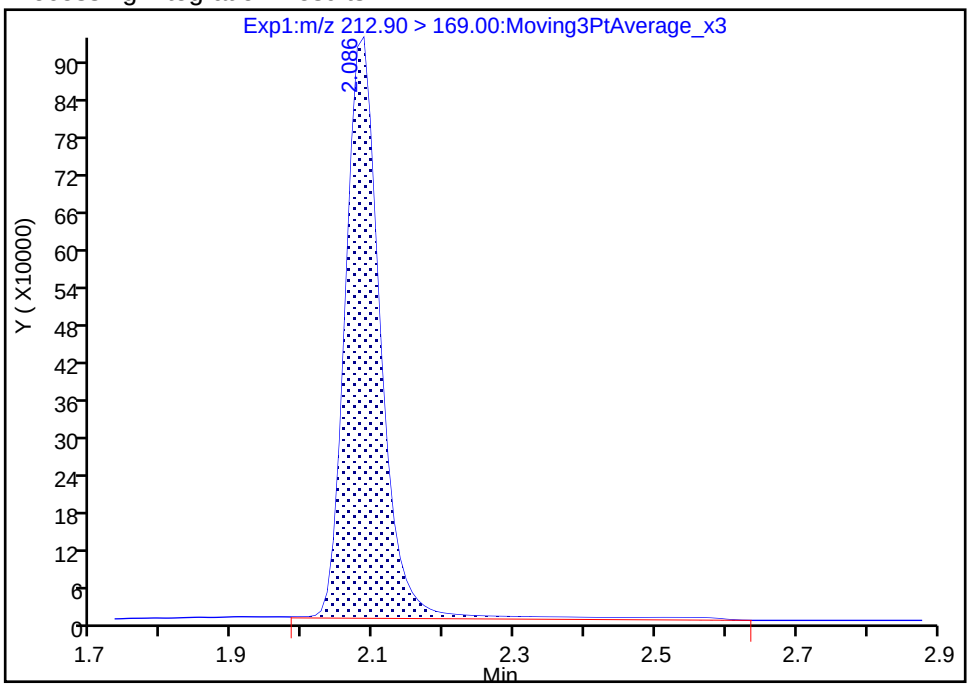
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Injection Date: 04-Aug-2022 17:25:50 Instrument ID: LC812
Lims ID: LCSD 200-182374/3-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

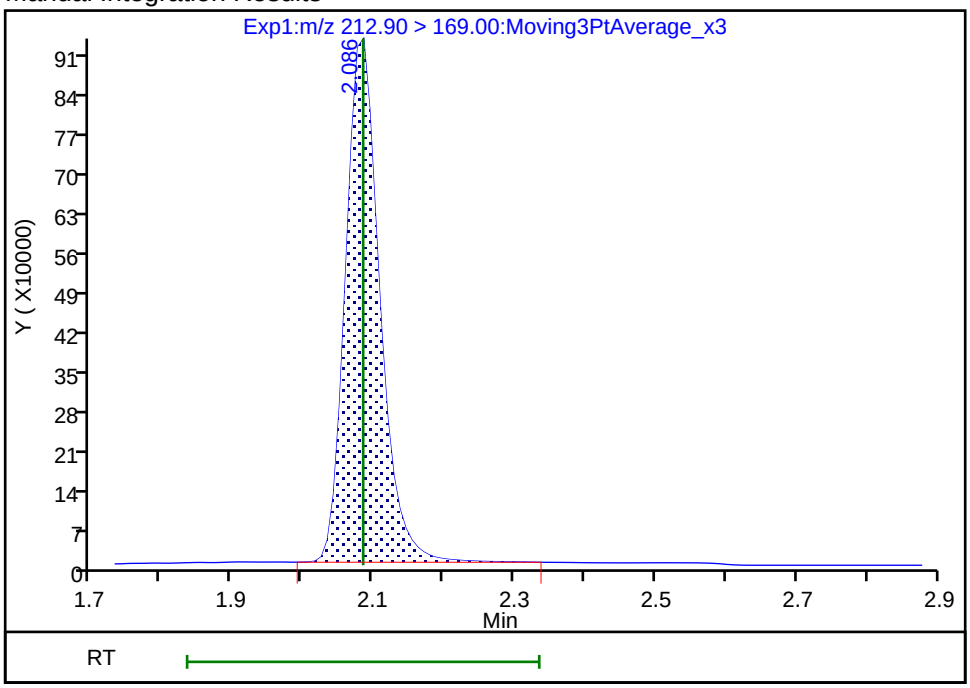
Processing Integration Results

RT: 2.09
Area: 3234902
Amount: 2.062943
Amount Units: ng/ml



Manual Integration Results

RT: 2.09
Area: 3130649
Amount: 2.000666
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:12:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

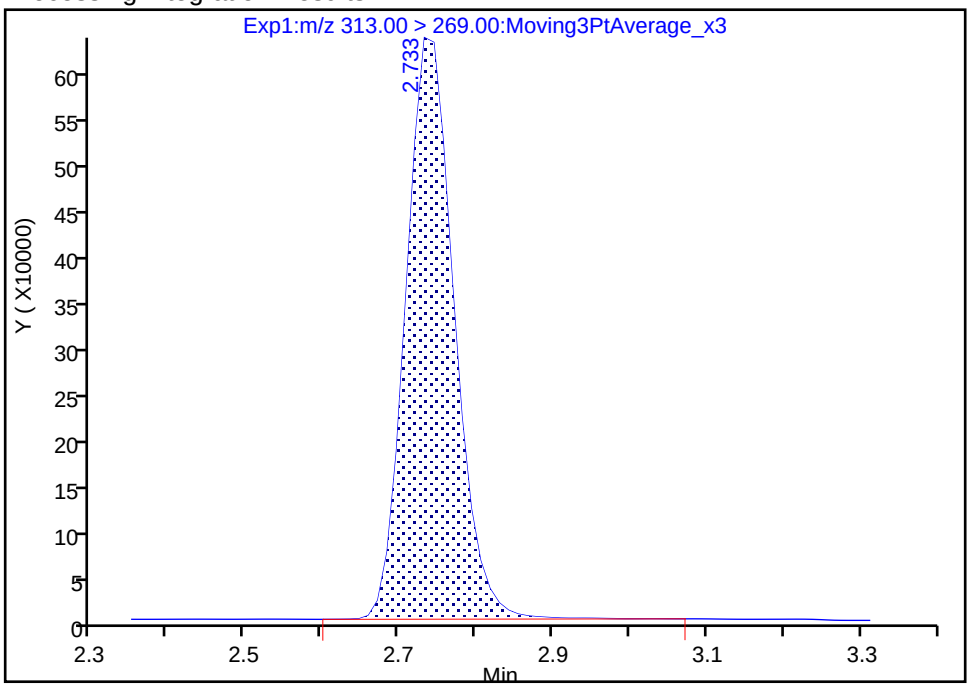
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Injection Date: 04-Aug-2022 17:25:50 Instrument ID: LC812
Lims ID: LCSD 200-182374/3-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

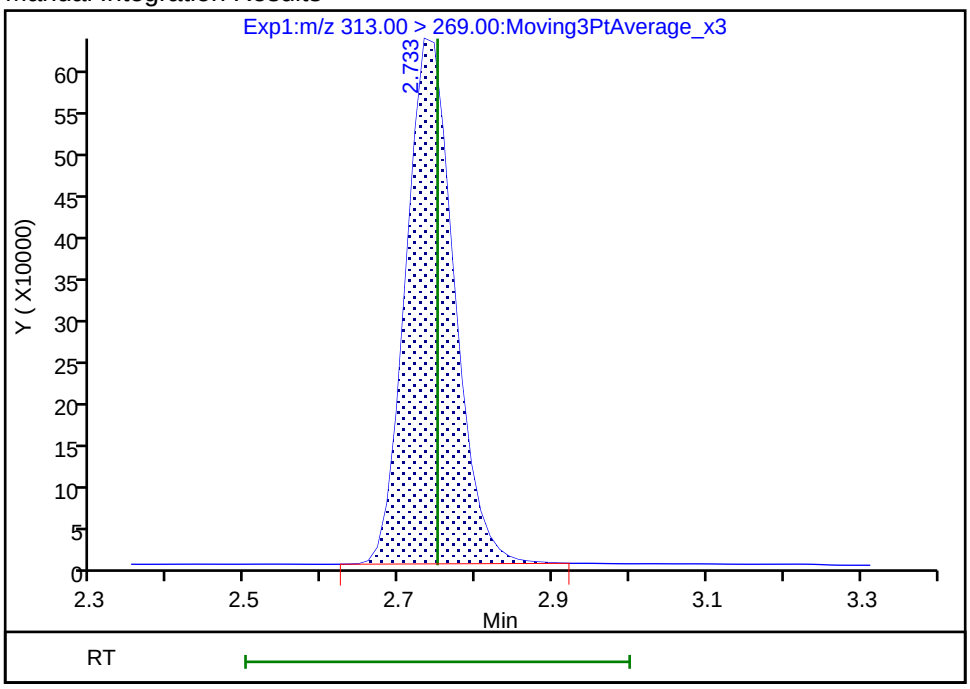
Processing Integration Results

RT: 2.73
Area: 2753624
Amount: 2.163922
Amount Units: ng/ml



Manual Integration Results

RT: 2.73
Area: 2742374
Amount: 2.155081
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:12:34
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

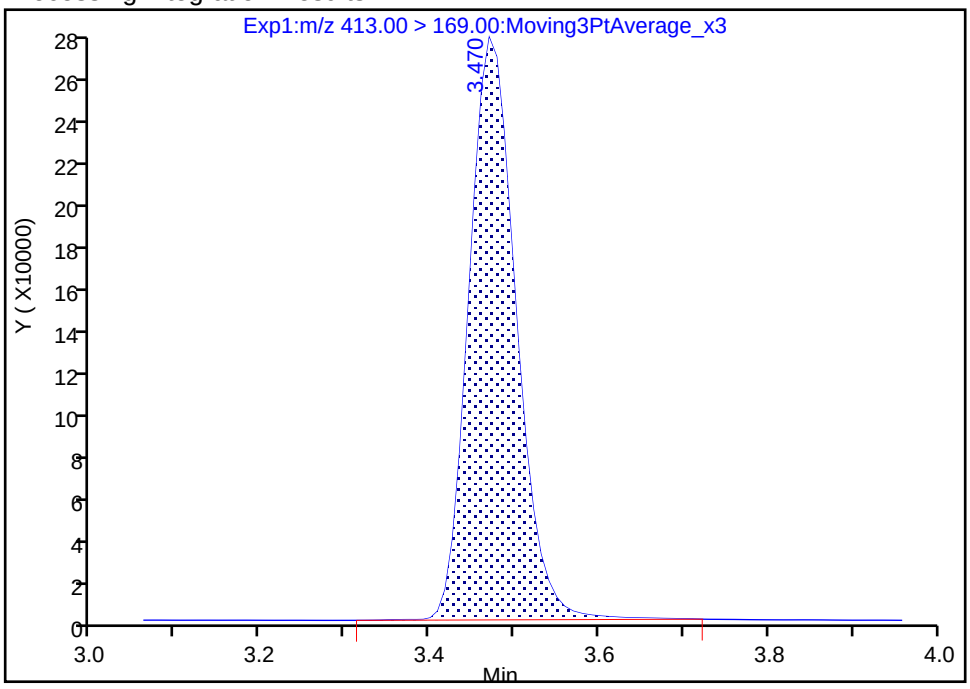
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C04.d
Injection Date: 04-Aug-2022 17:25:50 Instrument ID: LC812
Lims ID: LCSD 200-182374/3-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

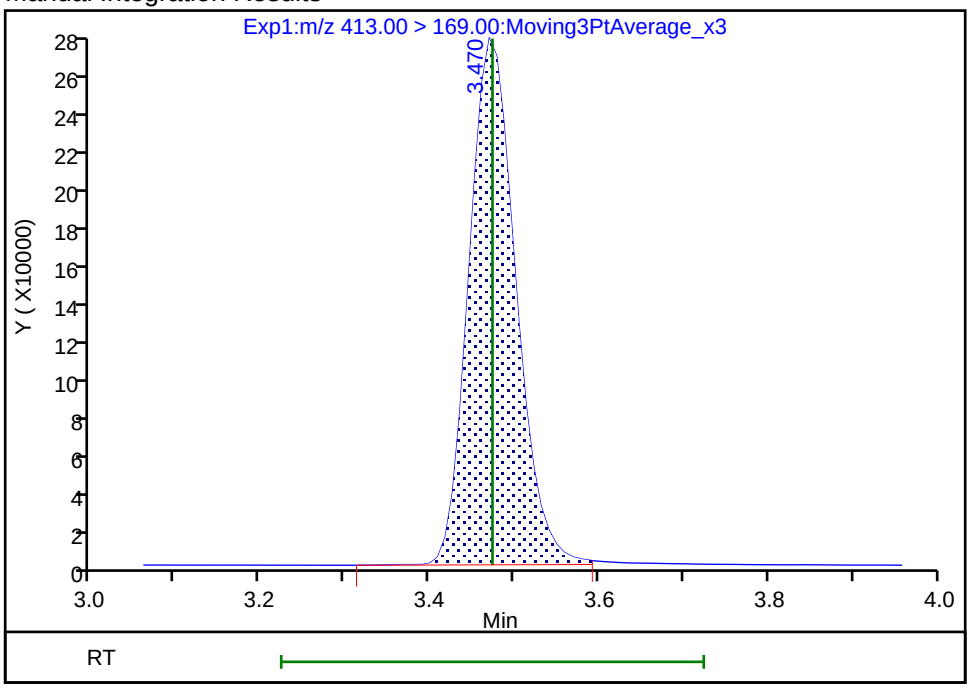
Processing Integration Results

RT: 3.47
Area: 1081461
Amount: 2.080450
Amount Units: ng/ml



Manual Integration Results

RT: 3.47
Area: 1075966
Amount: 2.080450
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:14:03
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

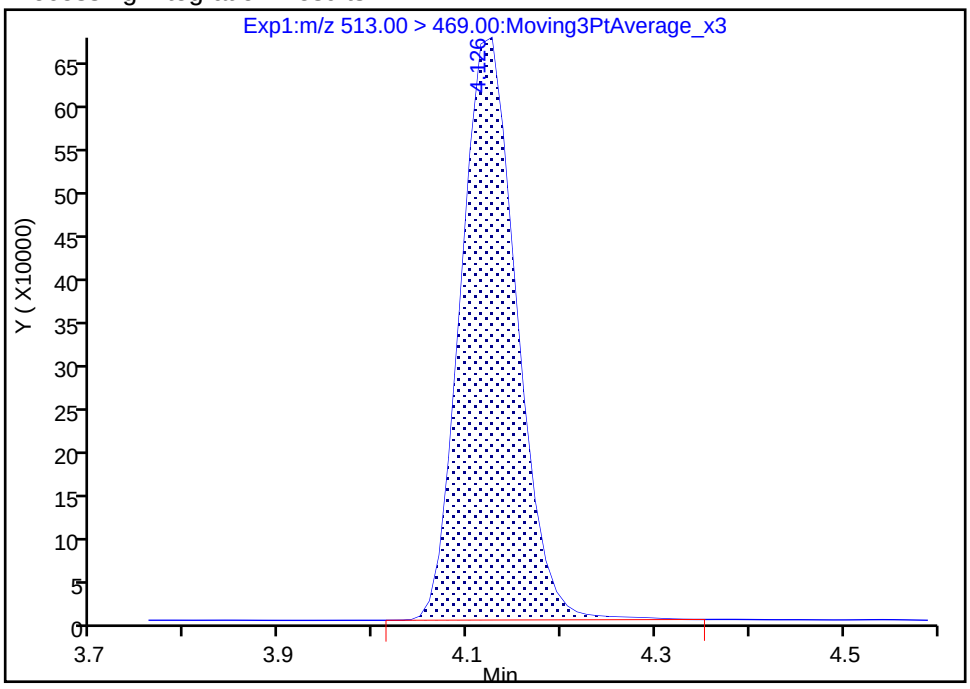
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C04.d
Injection Date: 04-Aug-2022 17:25:50 Instrument ID: LC812
Lims ID: LCSD 200-182374/3-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

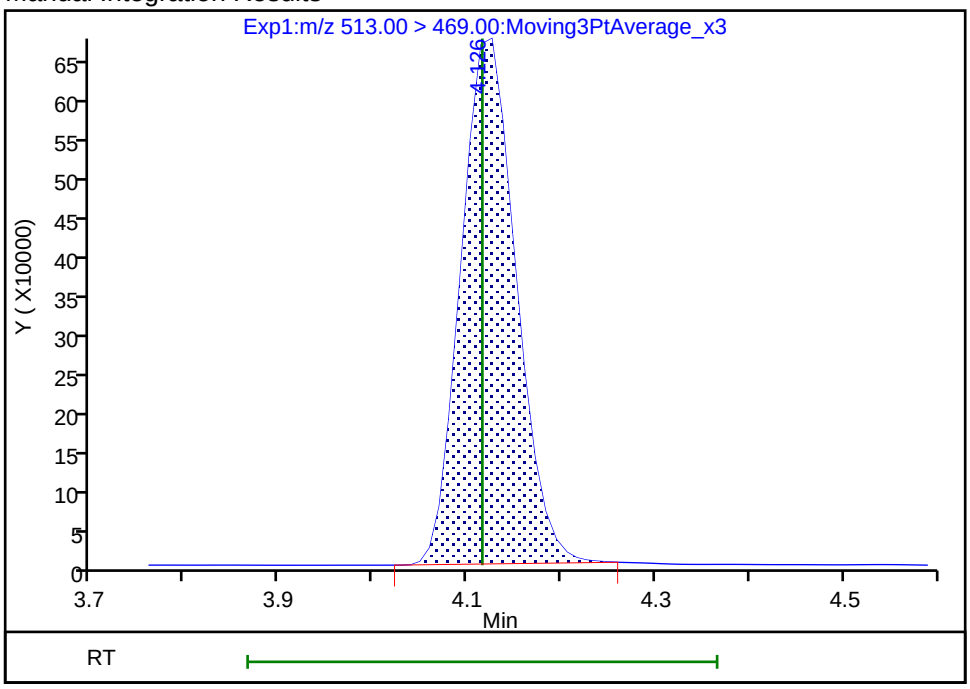
Processing Integration Results

RT: 4.13
Area: 2760073
Amount: 2.111345
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 2731506
Amount: 2.089492
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:14:59
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

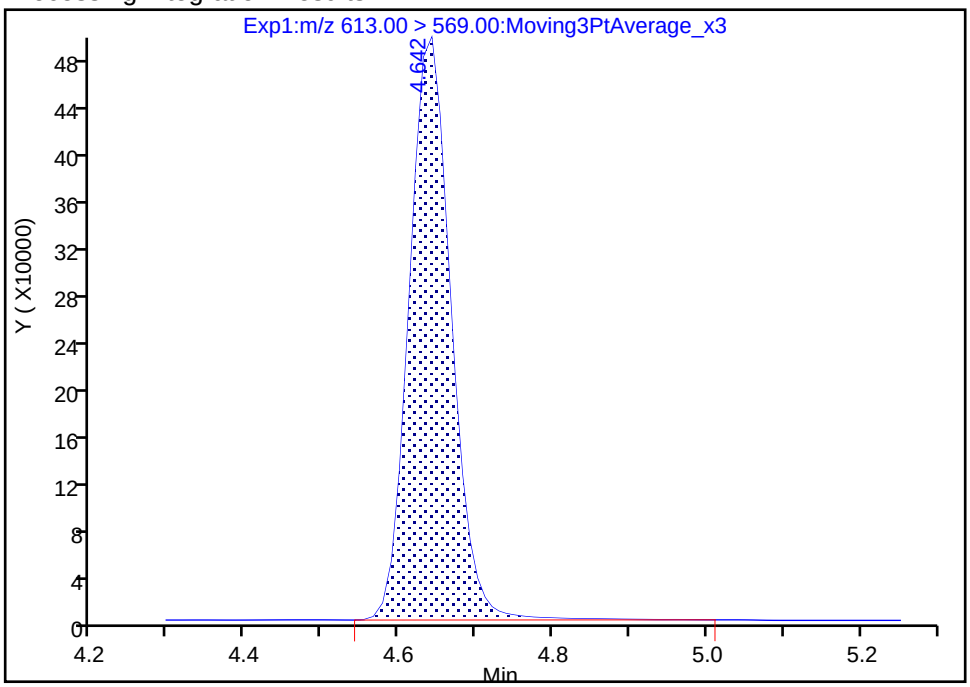
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C04.d
Injection Date: 04-Aug-2022 17:25:50 Instrument ID: LC812
Lims ID: LCSD 200-182374/3-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

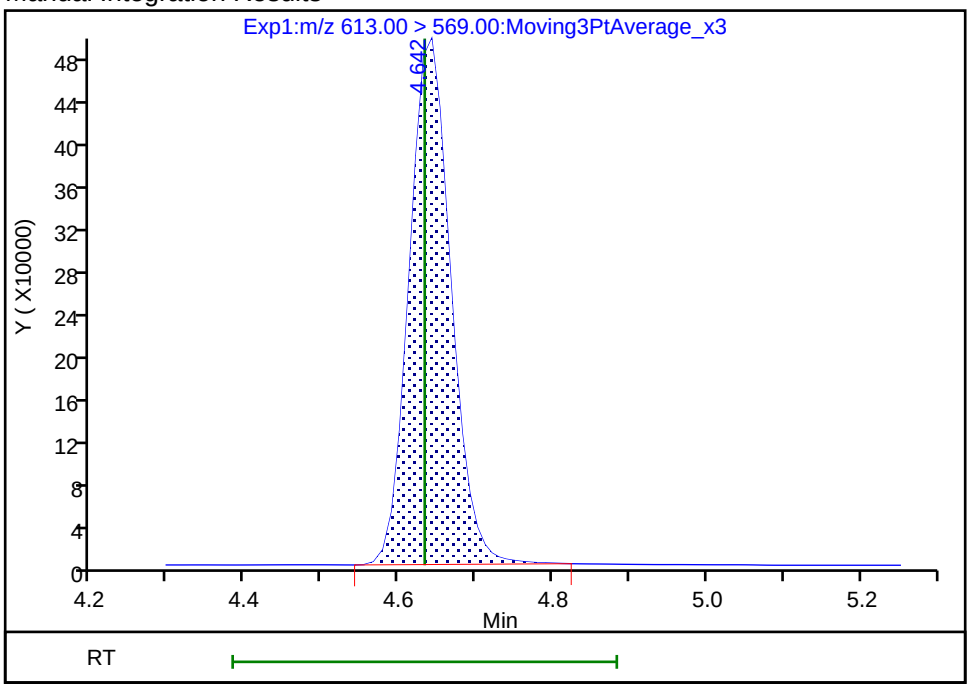
Processing Integration Results

RT: 4.64
Area: 1880594
Amount: 2.076171
Amount Units: ng/ml



Manual Integration Results

RT: 4.64
Area: 1866782
Amount: 2.089282
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:16:11
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

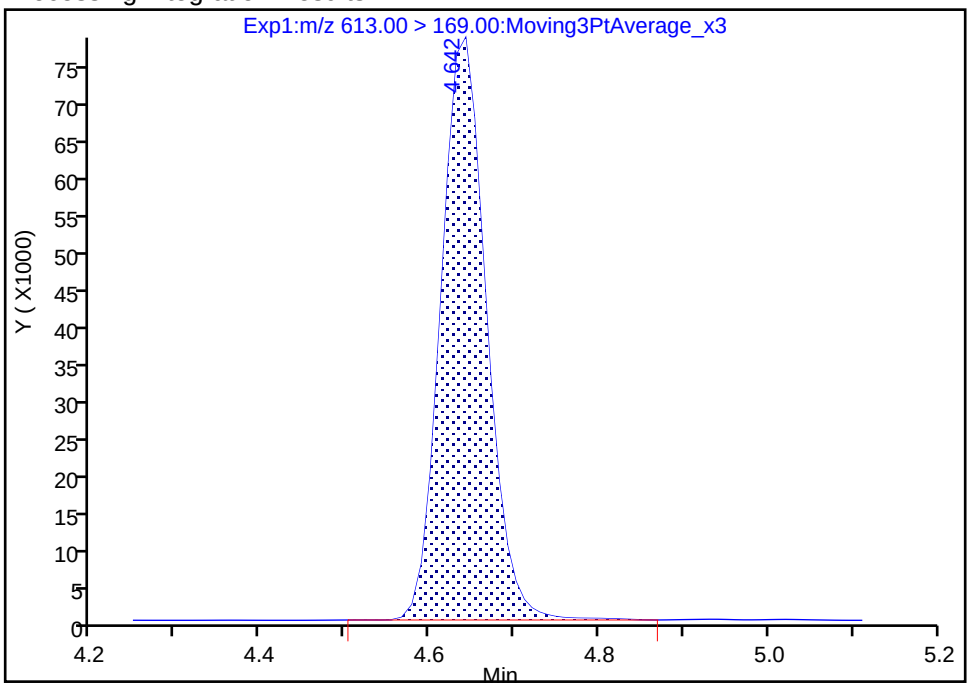
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C04.d
Injection Date: 04-Aug-2022 17:25:50 Instrument ID: LC812
Lims ID: LCSD 200-182374/3-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

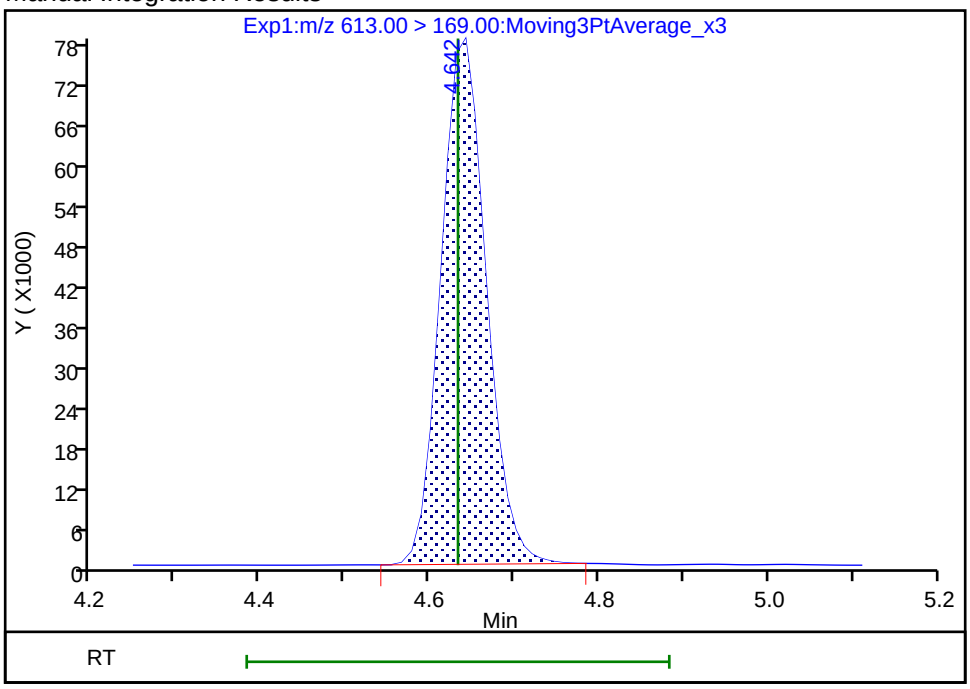
Processing Integration Results

RT: 4.64
Area: 290829
Amount: 2.076171
Amount Units: ng/ml



Manual Integration Results

RT: 4.64
Area: 288613
Amount: 2.089282
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:16:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

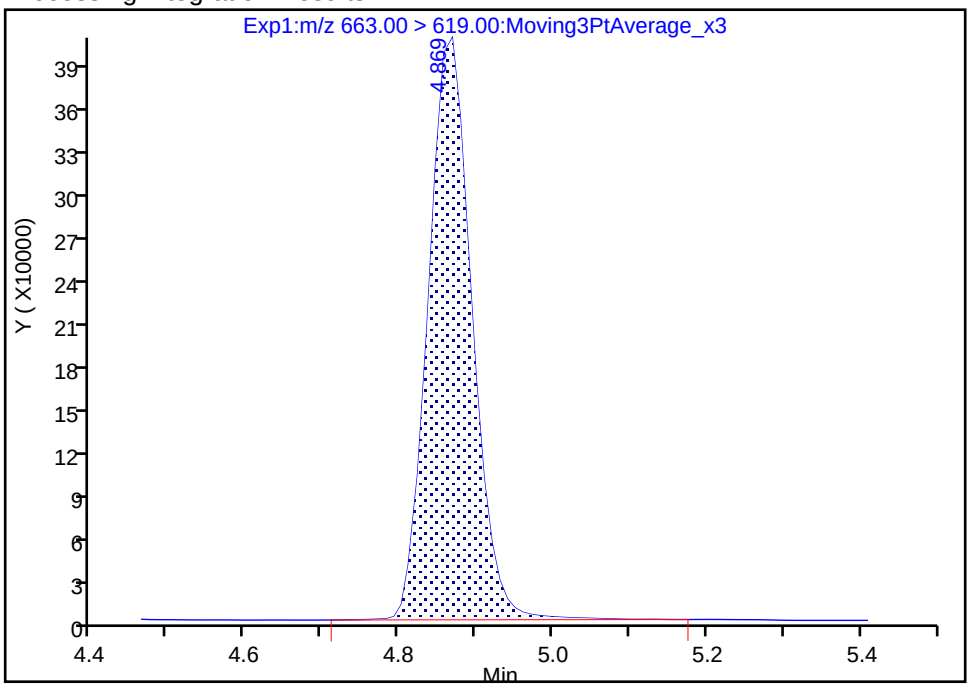
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C04.d
Injection Date: 04-Aug-2022 17:25:50 Instrument ID: LC812
Lims ID: LCSD 200-182374/3-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

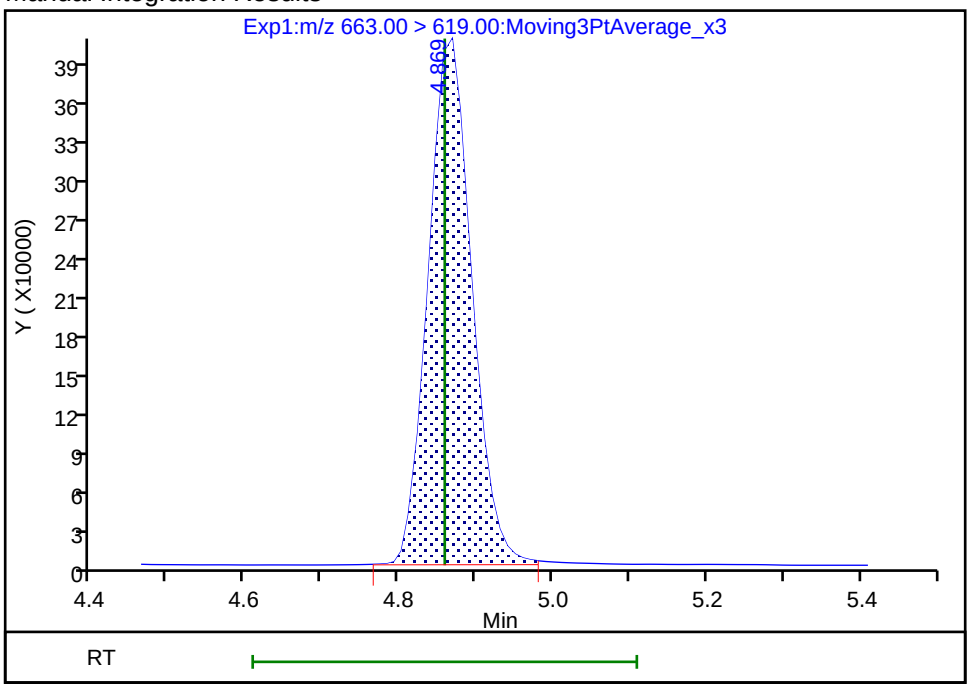
Processing Integration Results

RT: 4.87
Area: 1594081
Amount: 2.030142
Amount Units: ng/ml



Manual Integration Results

RT: 4.87
Area: 1584479
Amount: 2.045681
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:16:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

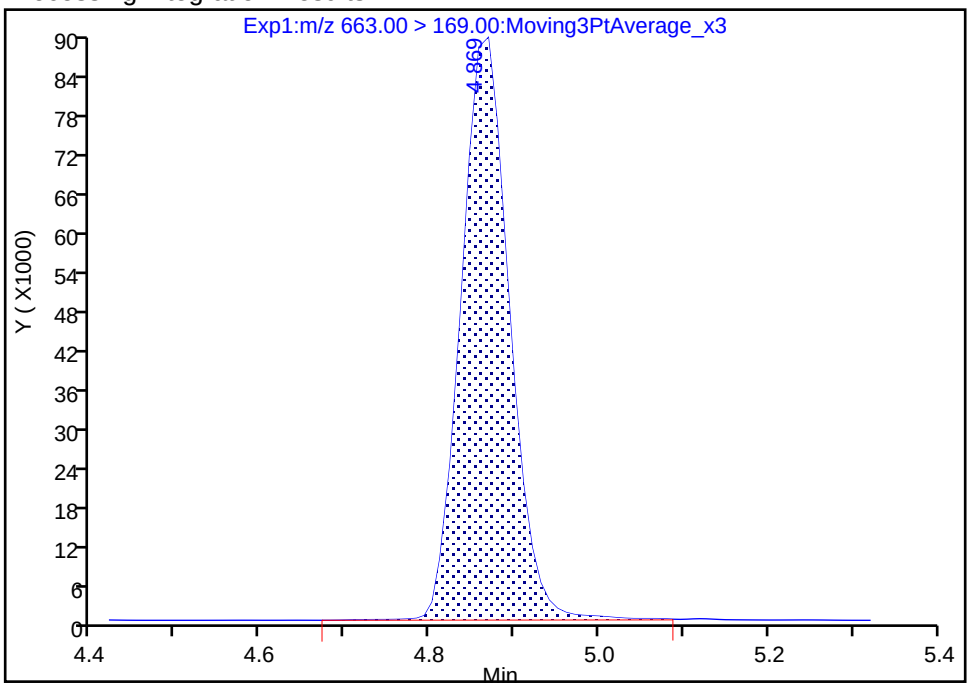
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C04.d
Injection Date: 04-Aug-2022 17:25:50 Instrument ID: LC812
Lims ID: LCSD 200-182374/3-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

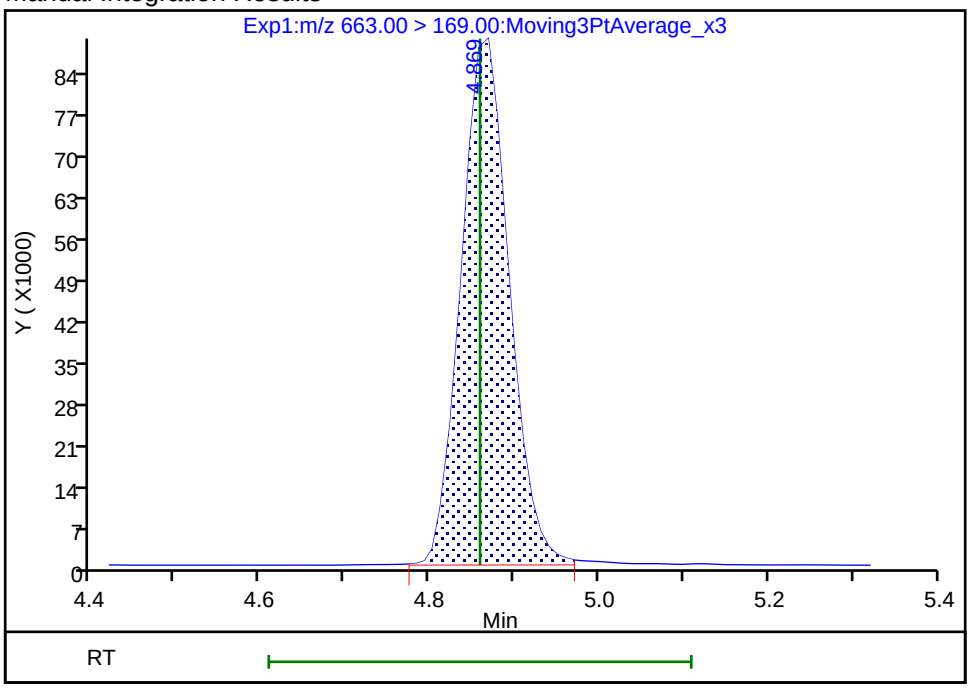
Processing Integration Results

RT: 4.87
Area: 357420
Amount: 2.030142
Amount Units: ng/ml



Manual Integration Results

RT: 4.87
Area: 354388
Amount: 2.045681
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:16:37
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

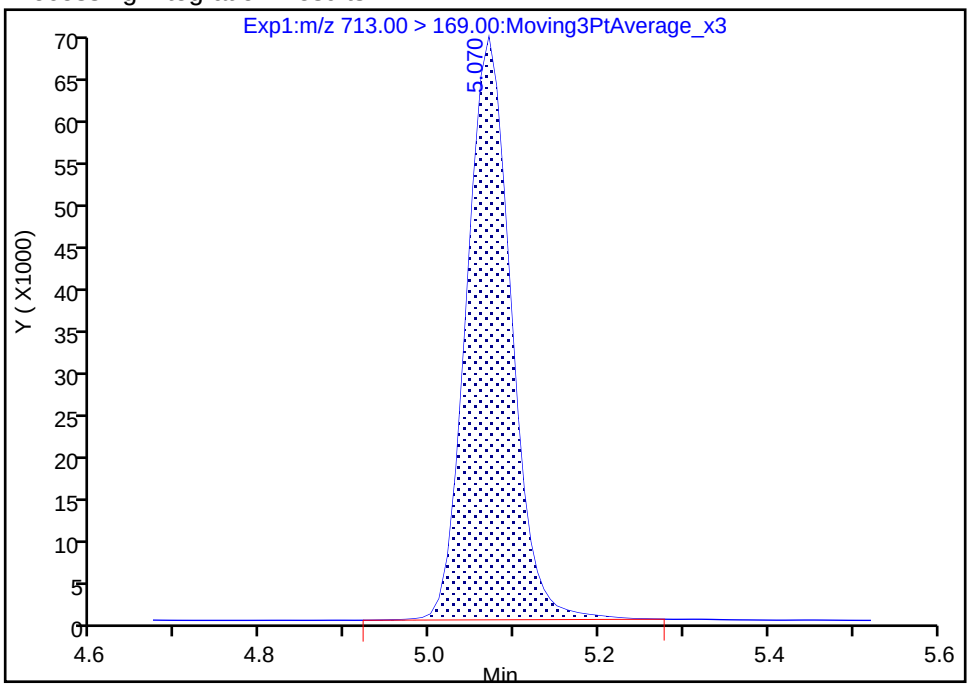
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C04.d
Injection Date: 04-Aug-2022 17:25:50 Instrument ID: LC812
Lims ID: LCSD 200-182374/3-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 1

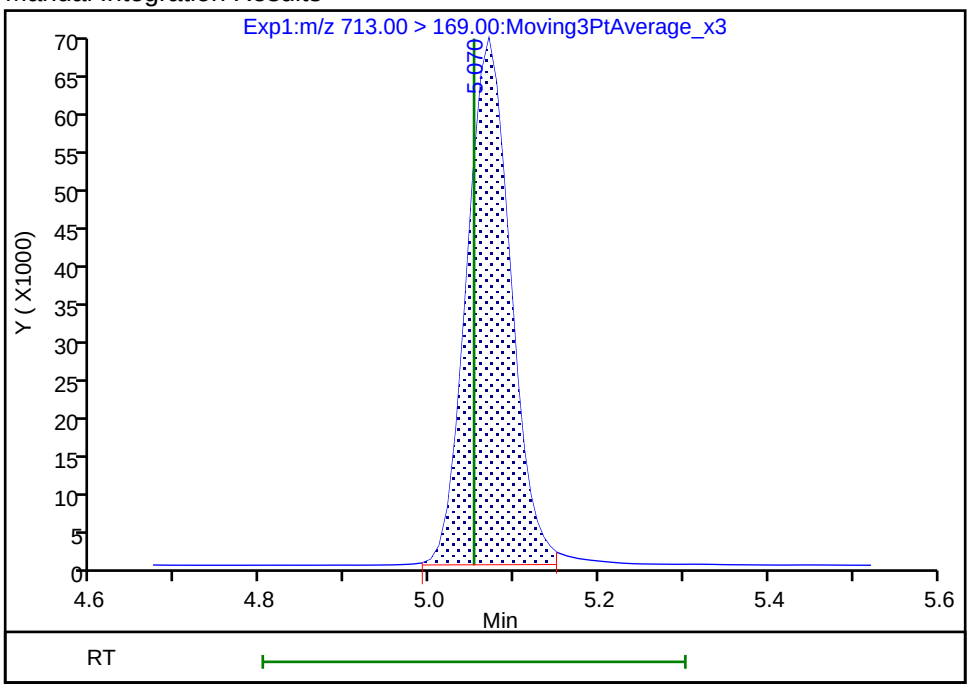
Processing Integration Results

RT: 5.07
Area: 254419
Amount: 2.084303
Amount Units: ng/ml



Manual Integration Results

RT: 5.07
Area: 250965
Amount: 2.087567
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:16:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

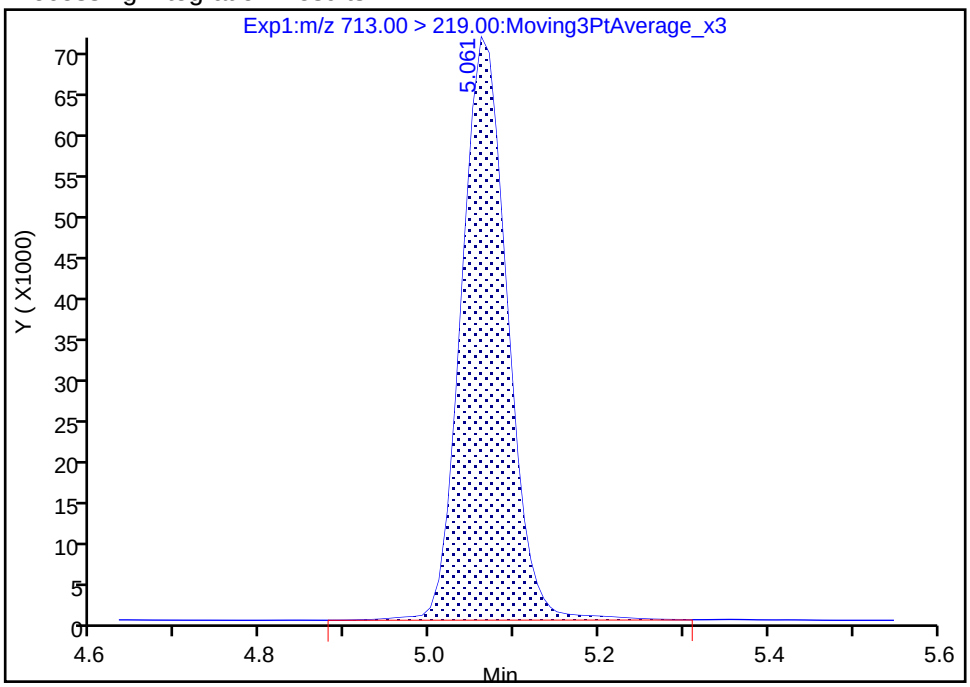
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C04.d
Injection Date: 04-Aug-2022 17:25:50 Instrument ID: LC812
Lims ID: LCSD 200-182374/3-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

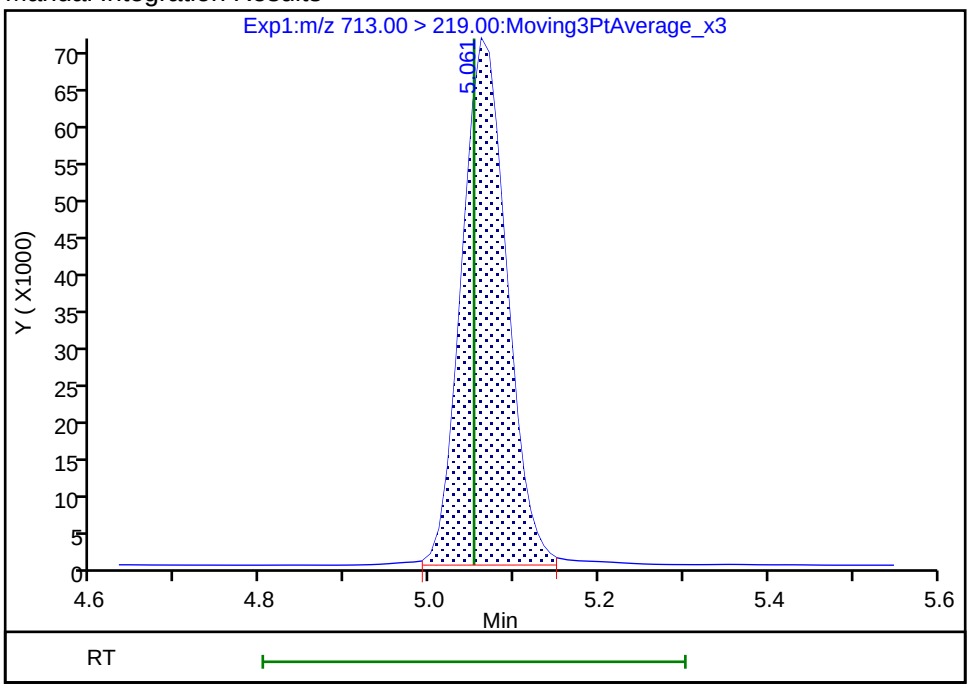
Processing Integration Results

RT: 5.06
Area: 270490
Amount: 2.084303
Amount Units: ng/ml



Manual Integration Results

RT: 5.06
Area: 266400
Amount: 2.087567
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:16:53
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

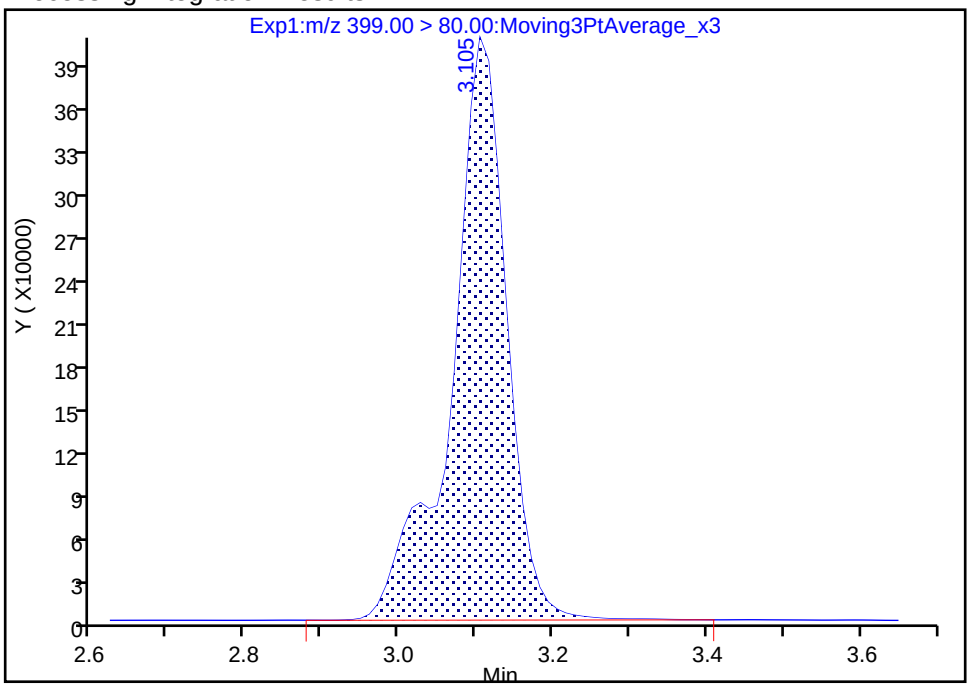
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C04.d
Injection Date: 04-Aug-2022 17:25:50 Instrument ID: LC812
Lims ID: LCSD 200-182374/3-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

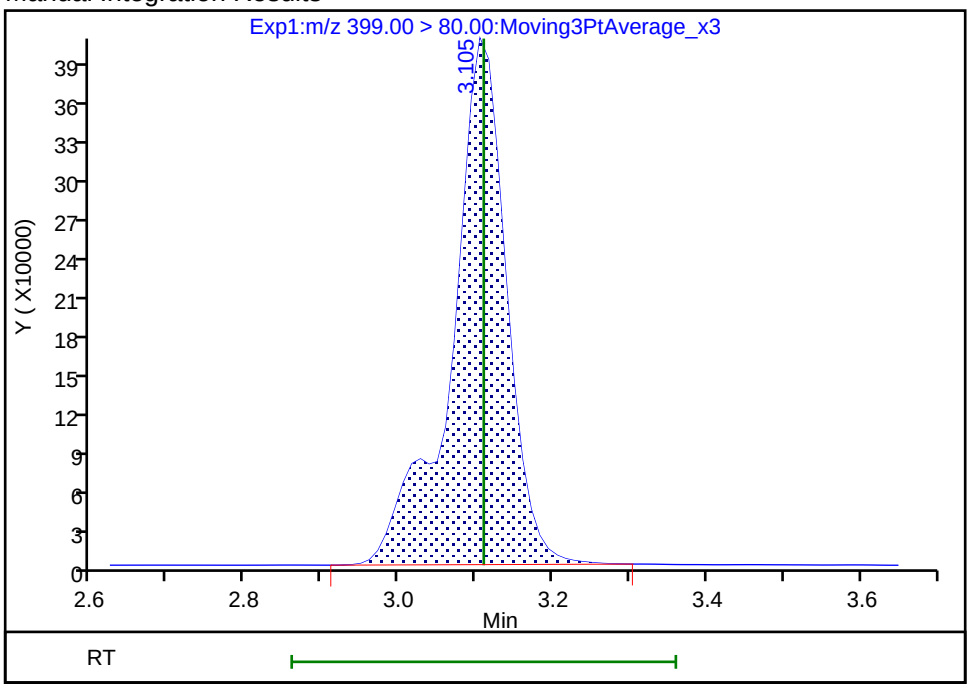
Processing Integration Results

RT: 3.10
Area: 1995360
Amount: 1.907815
Amount Units: ng/ml



Manual Integration Results

RT: 3.10
Area: 1986610
Amount: 1.899448
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:13:02
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

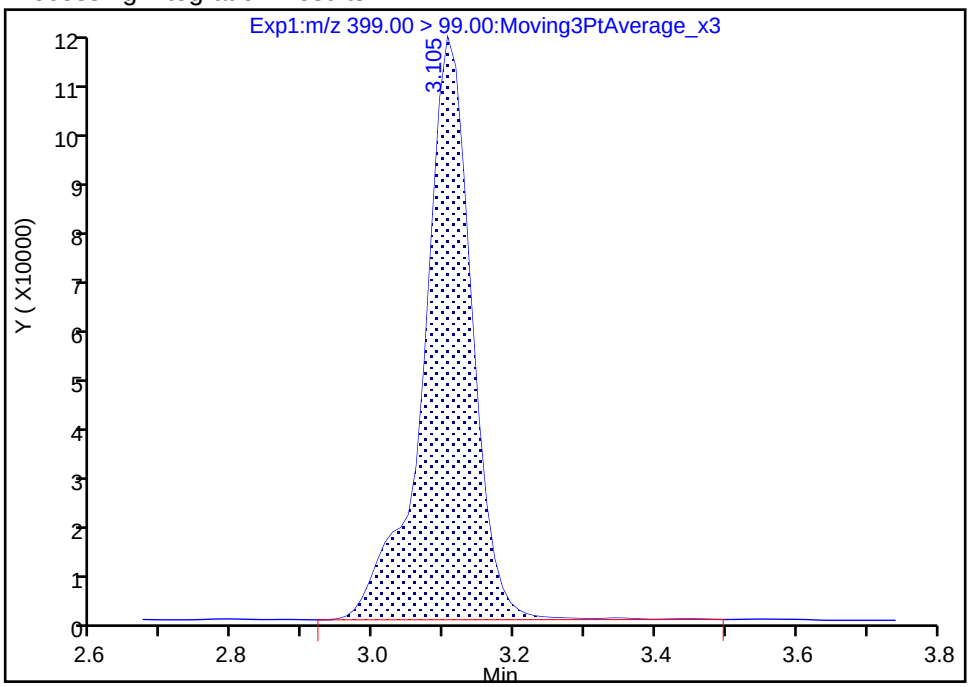
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C04.d
Injection Date: 04-Aug-2022 17:25:50 Instrument ID: LC812
Lims ID: LCSD 200-182374/3-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

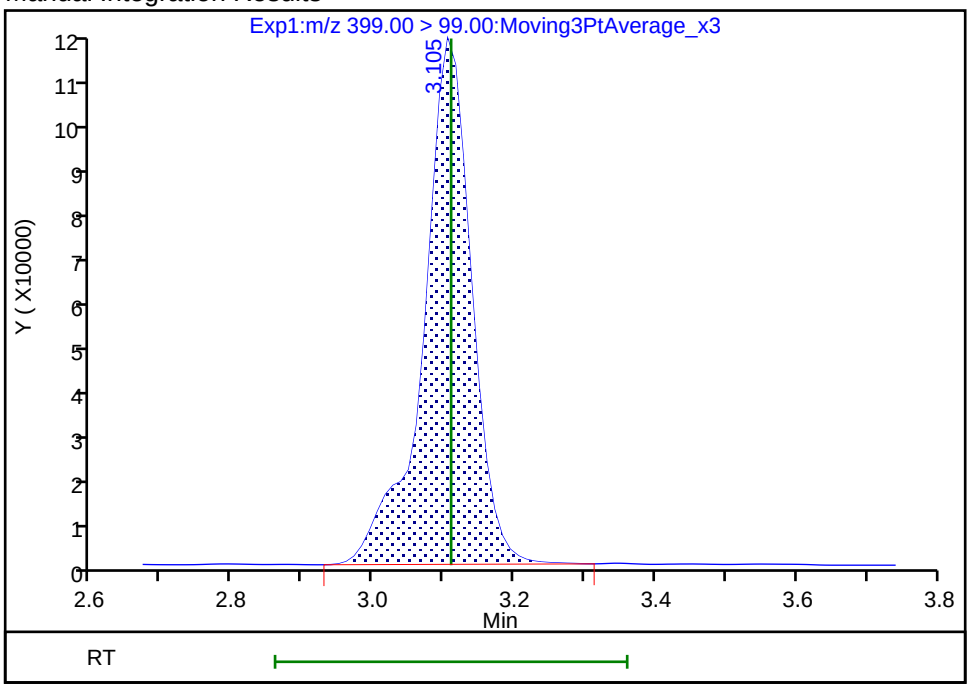
Processing Integration Results

RT: 3.10
Area: 573103
Amount: 1.907815
Amount Units: ng/ml



Manual Integration Results

RT: 3.10
Area: 569855
Amount: 1.899448
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:13:10
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

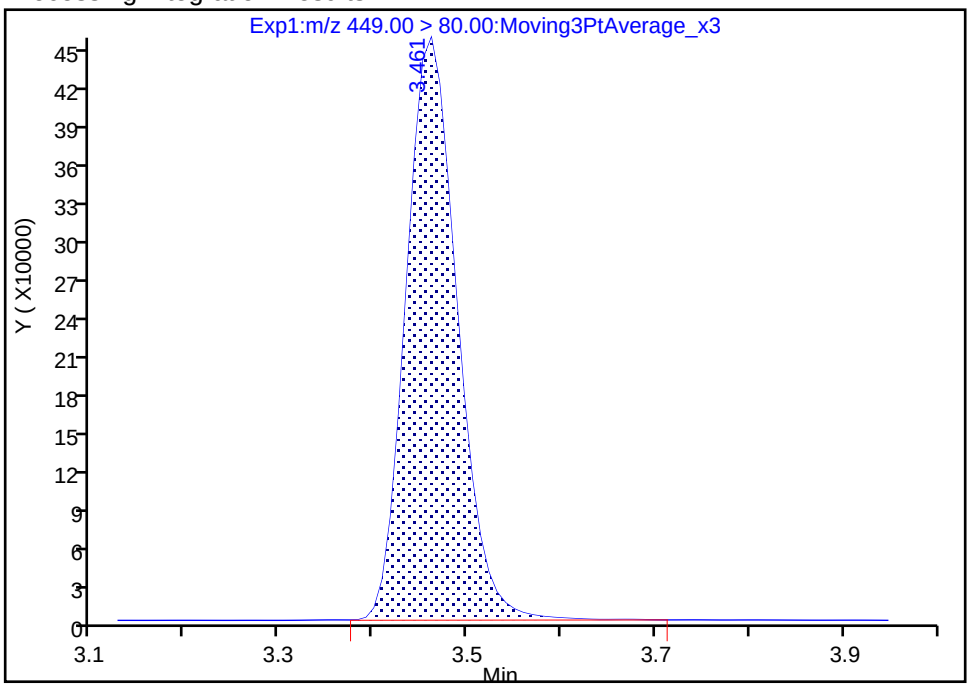
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C04.d
Injection Date: 04-Aug-2022 17:25:50 Instrument ID: LC812
Lims ID: LCSD 200-182374/3-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

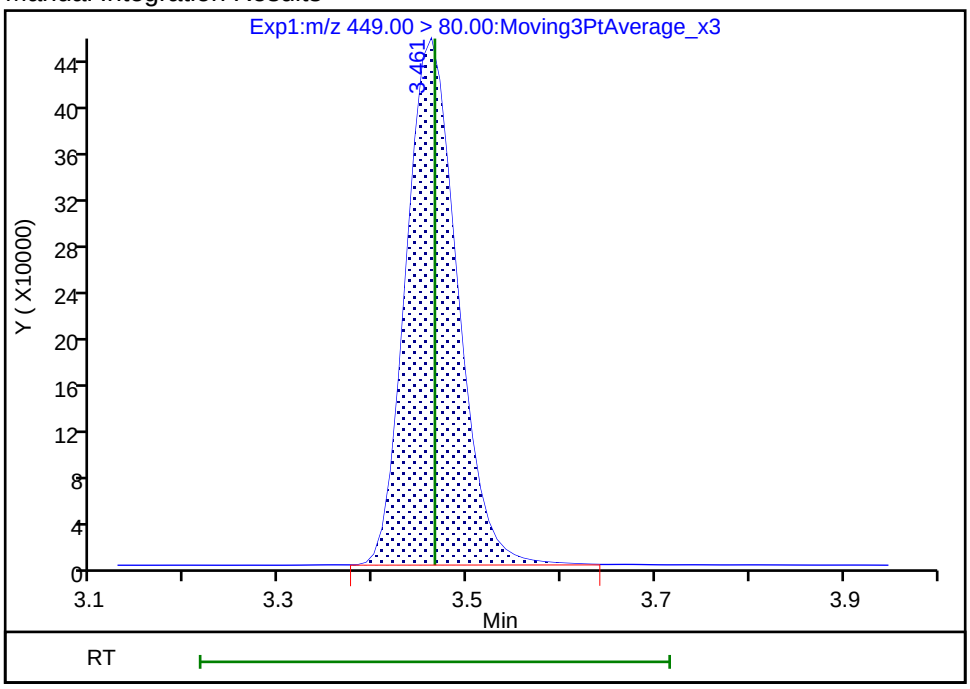
Processing Integration Results

RT: 3.46
Area: 1740952
Amount: 2.008304
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 1739751
Amount: 2.006919
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:13:41
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

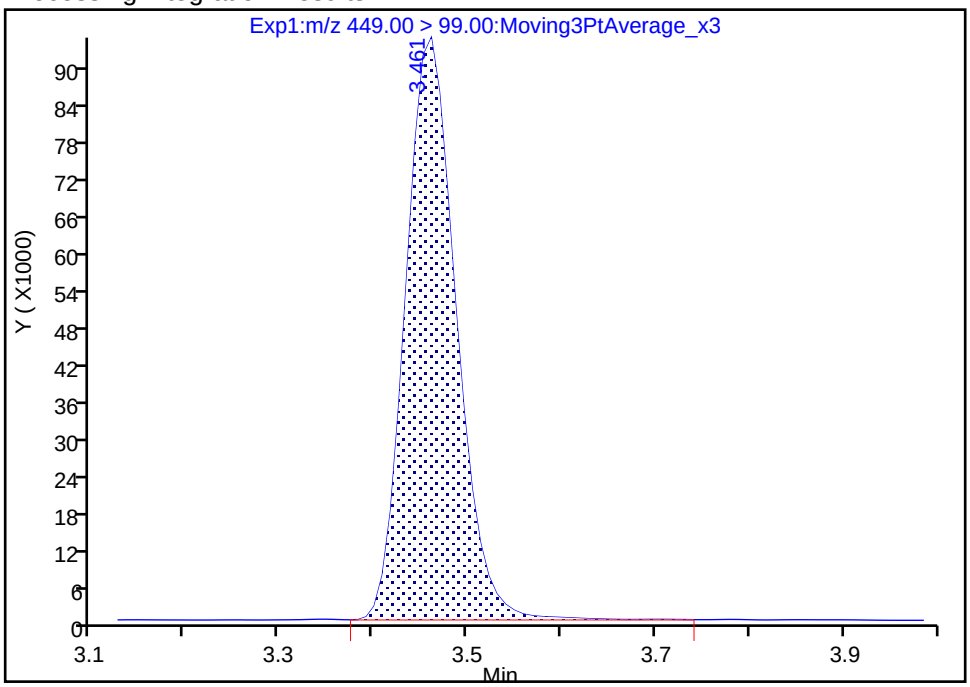
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C04.d
Injection Date: 04-Aug-2022 17:25:50 Instrument ID: LC812
Lims ID: LCSD 200-182374/3-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

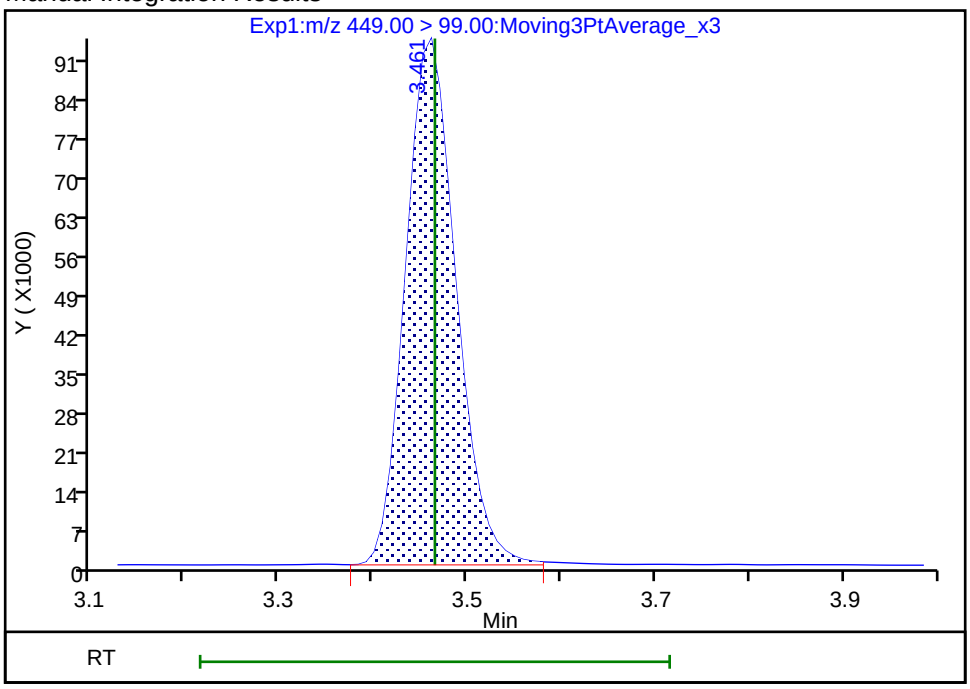
Processing Integration Results

RT: 3.46
Area: 355438
Amount: 2.008304
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 353646
Amount: 2.006919
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:13:48
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

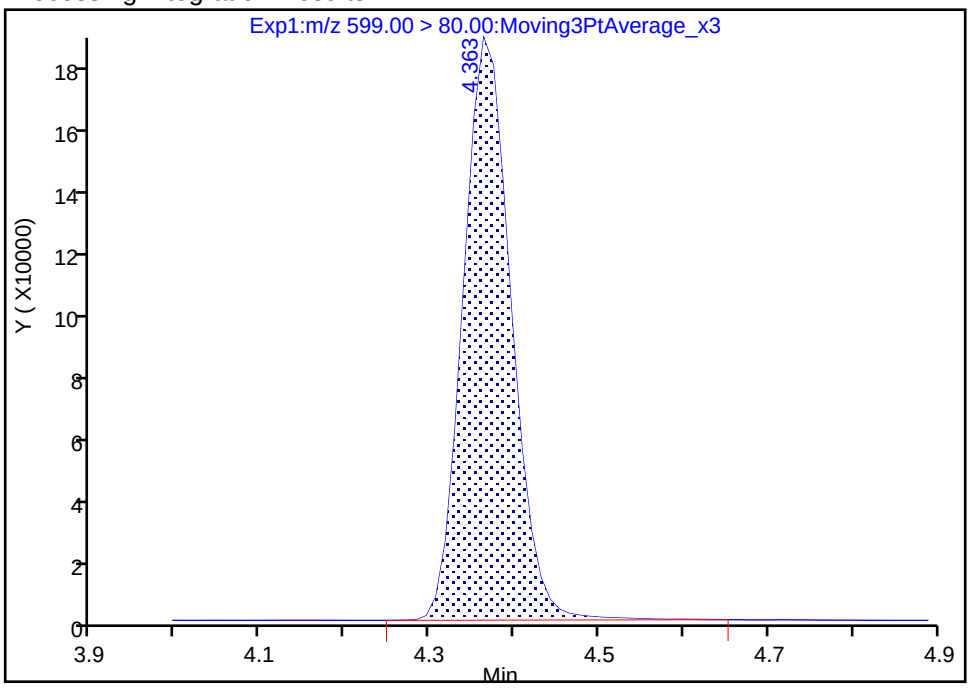
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C04.d
Injection Date: 04-Aug-2022 17:25:50 Instrument ID: LC812
Lims ID: LCSD 200-182374/3-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 1

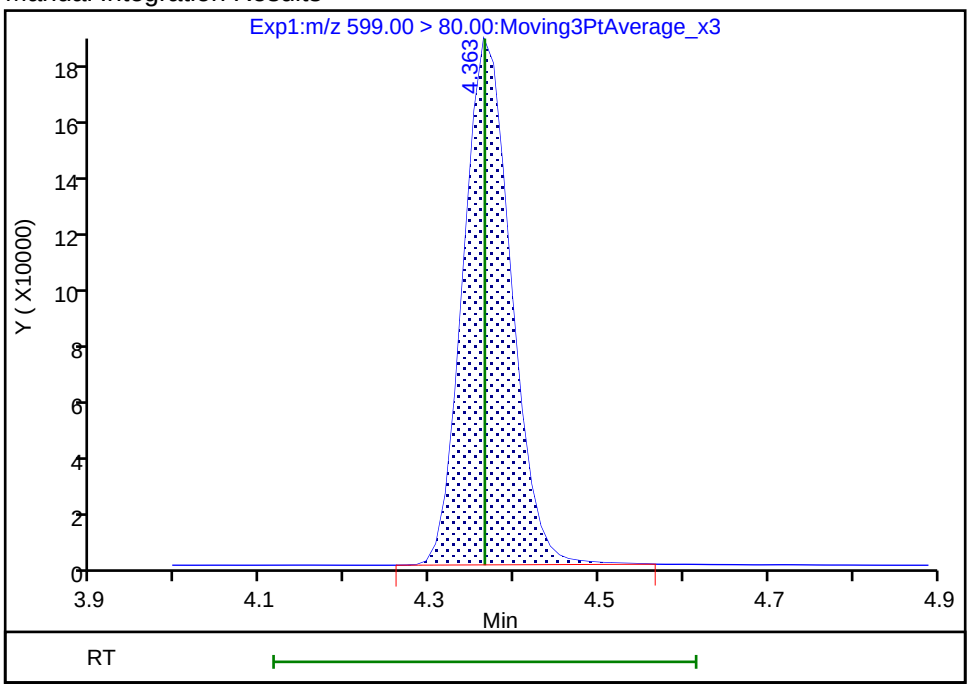
Processing Integration Results

RT: 4.36
Area: 723482
Amount: 1.770442
Amount Units: ng/ml



Manual Integration Results

RT: 4.36
Area: 721193
Amount: 1.764841
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:15:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

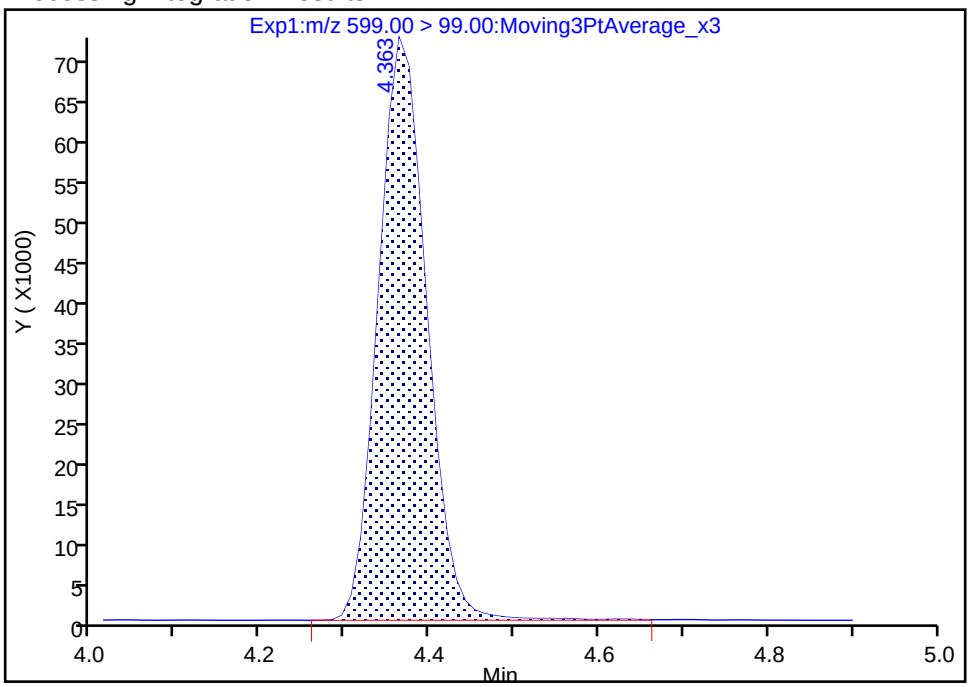
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Injection Date: 04-Aug-2022 17:25:50 Instrument ID: LC812
Lims ID: LCSD 200-182374/3-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

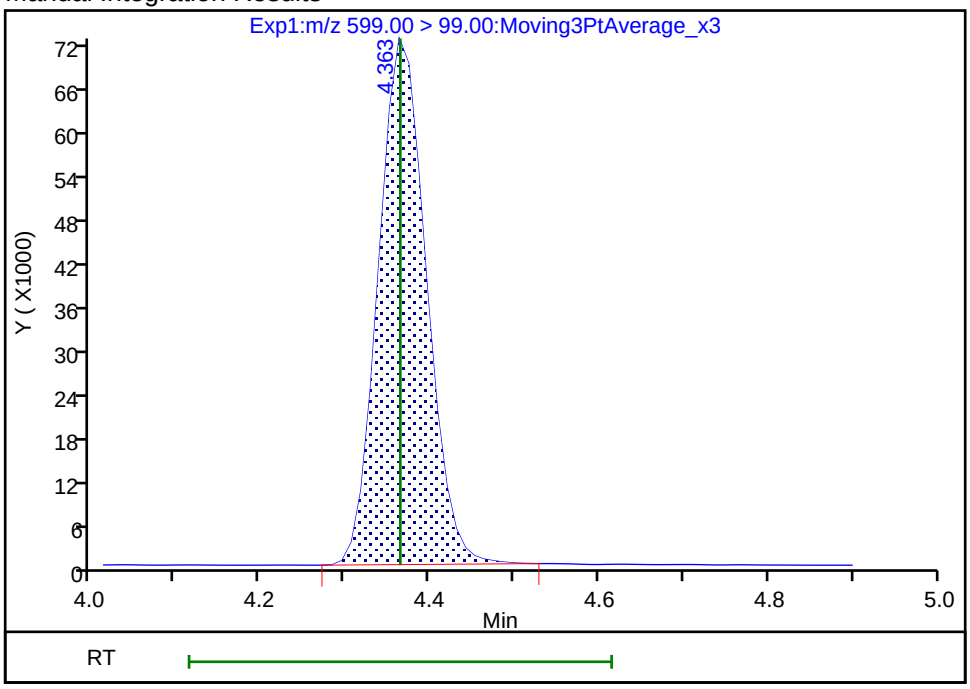
Processing Integration Results

RT: 4.36
Area: 288493
Amount: 1.770442
Amount Units: ng/ml



Manual Integration Results

RT: 4.36
Area: 285859
Amount: 1.764841
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:15:46
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

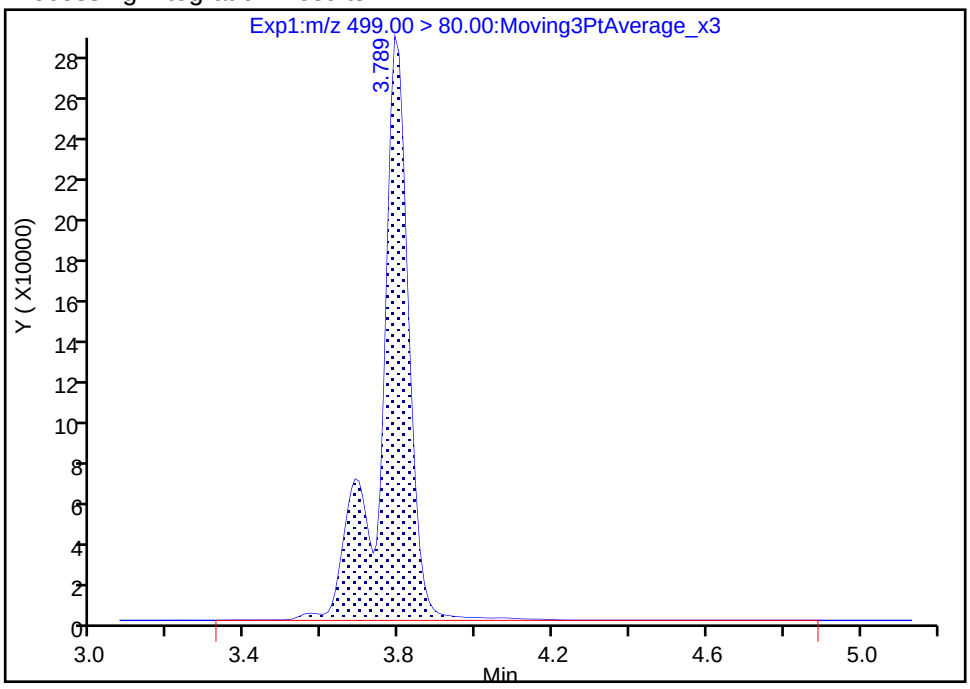
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C04.d
Injection Date: 04-Aug-2022 17:25:50 Instrument ID: LC812
Lims ID: LCSD 200-182374/3-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

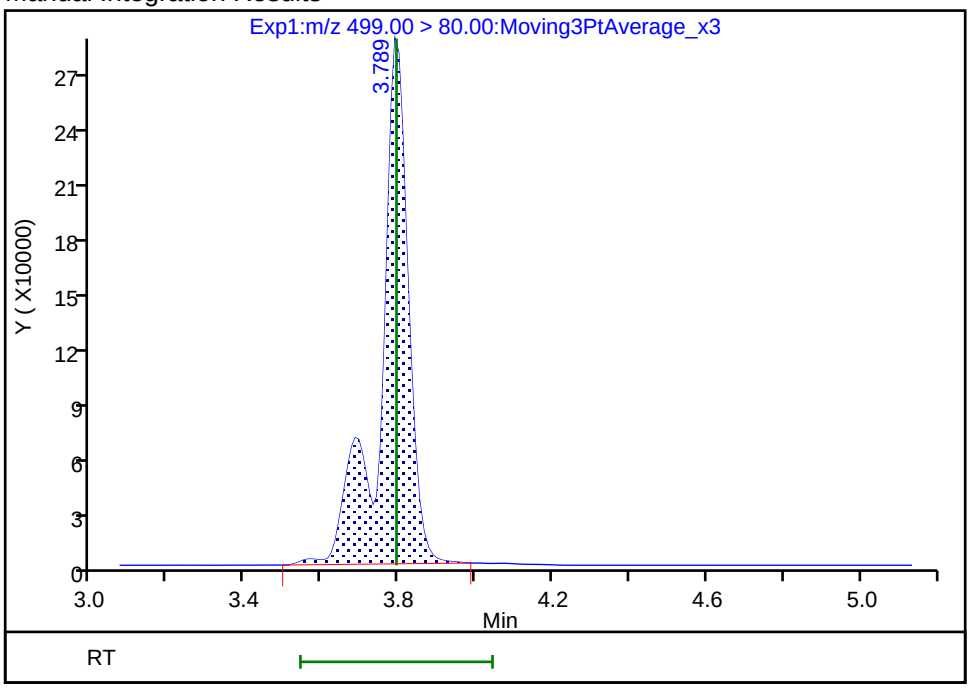
Processing Integration Results

RT: 3.79
Area: 1450157
Amount: 2.059696
Amount Units: ng/ml



Manual Integration Results

RT: 3.79
Area: 1420468
Amount: 2.017150
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:14:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

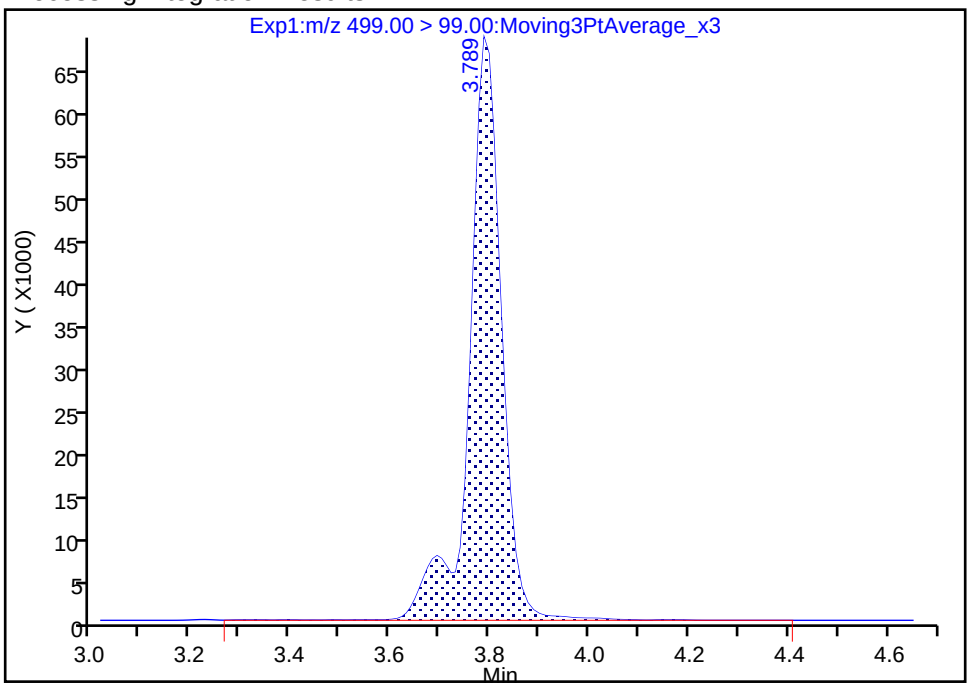
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C04.d
Injection Date: 04-Aug-2022 17:25:50 Instrument ID: LC812
Lims ID: LCSD 200-182374/3-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

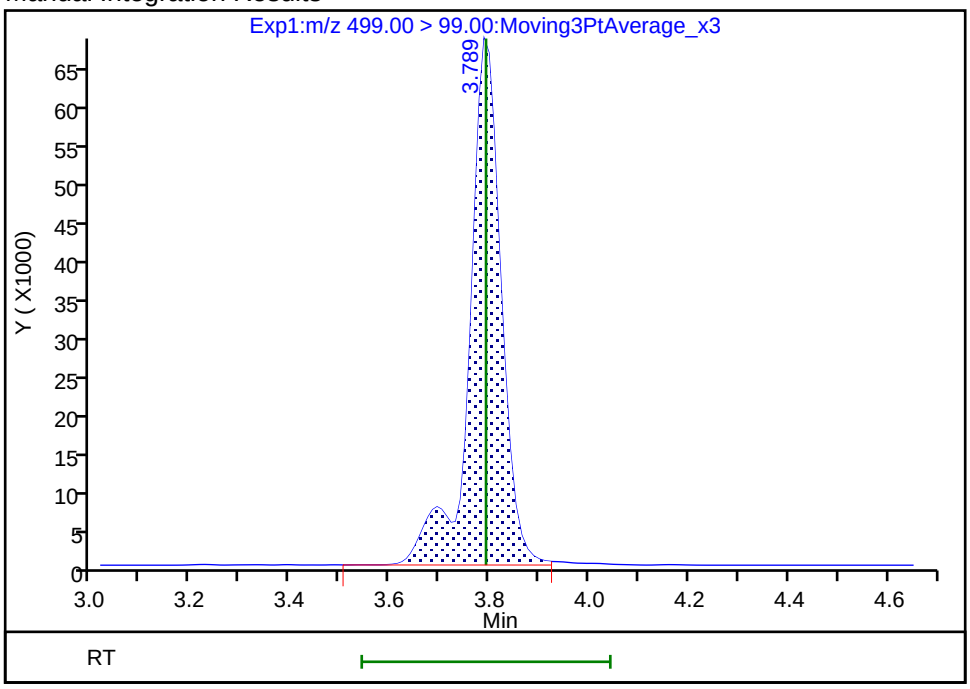
Processing Integration Results

RT: 3.79
Area: 311118
Amount: 2.059696
Amount Units: ng/ml



Manual Integration Results

RT: 3.79
Area: 307257
Amount: 2.017150
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:14:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

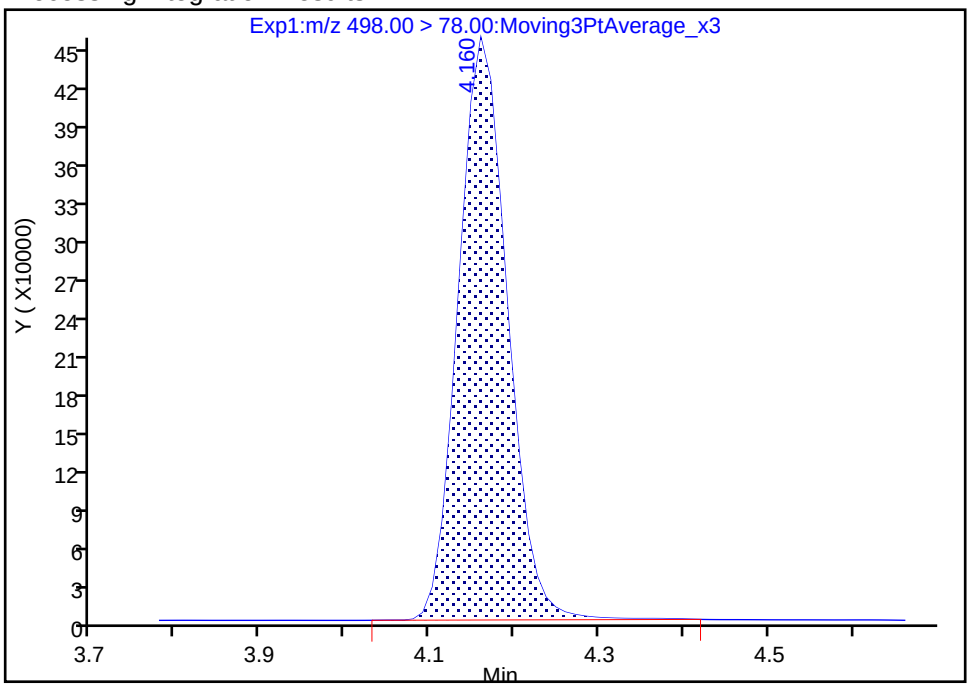
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C04.d				
Injection Date:	04-Aug-2022 17:25:50	Instrument ID:	LC812		
Lims ID:	LCSD 200-182374/3-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

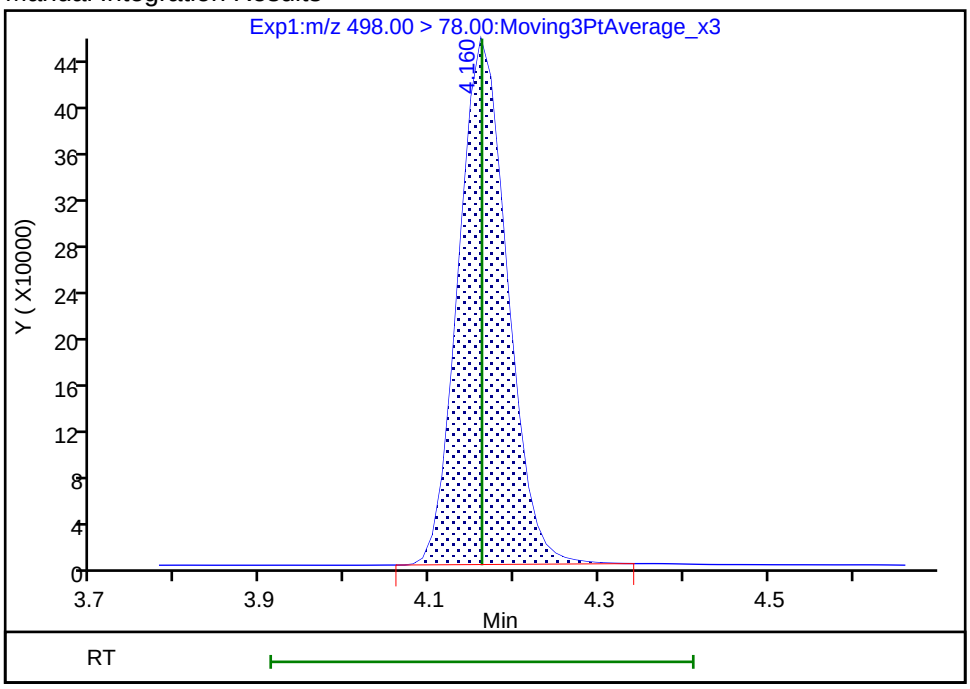
Processing Integration Results

RT: 4.16
Area: 1844684
Amount: 2.051368
Amount Units: ng/ml



Manual Integration Results

RT: 4.16
Area: 1834724
Amount: 2.068284
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:15:17

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

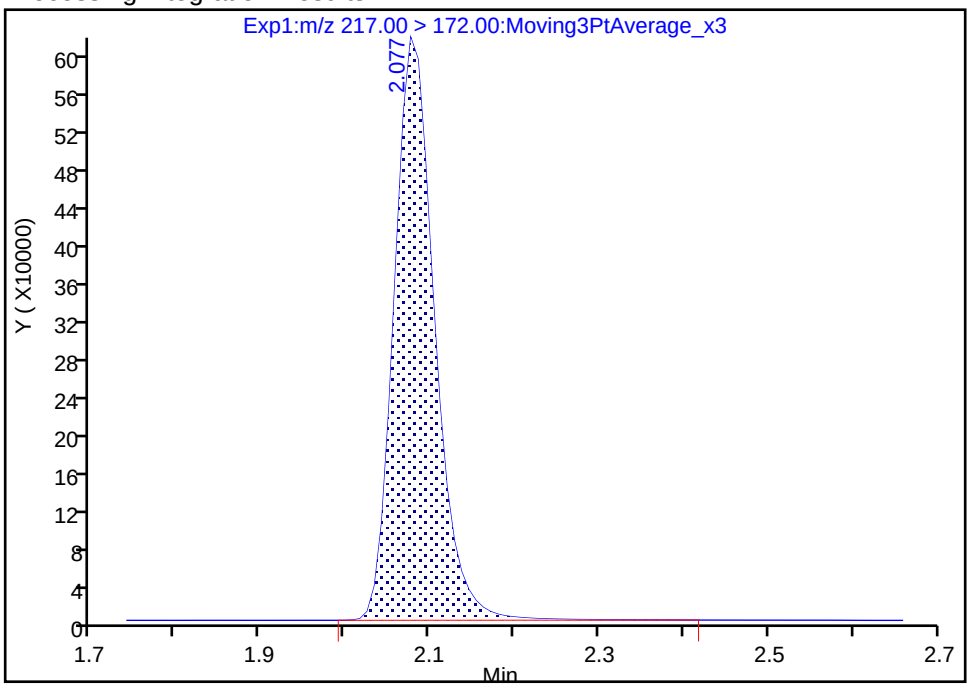
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Injection Date: 04-Aug-2022 17:25:50 Instrument ID: LC812
Lims ID: LCSD 200-182374/3-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

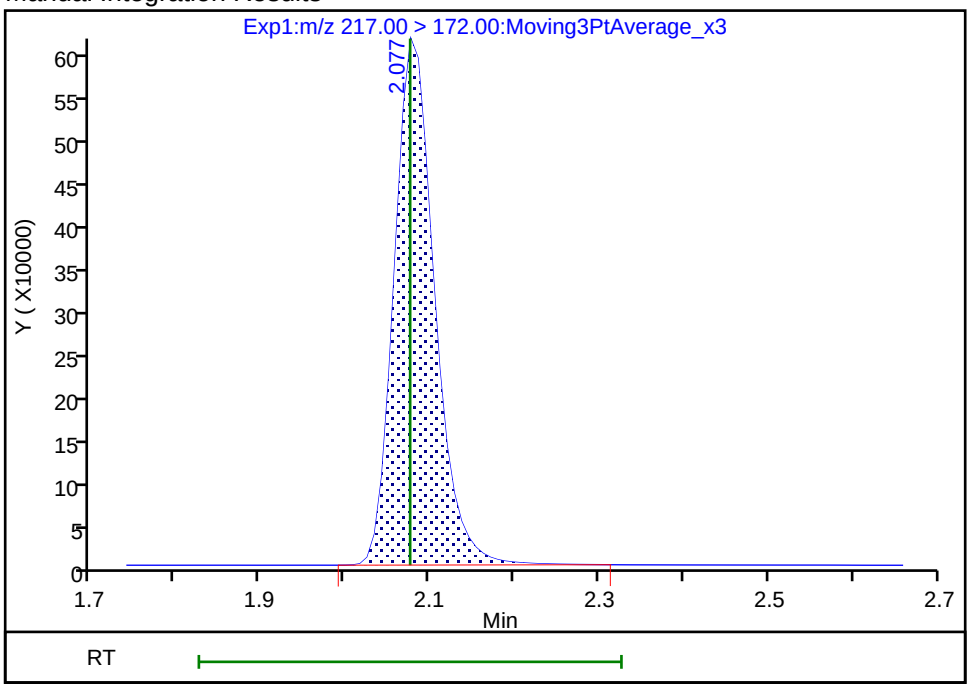
Processing Integration Results

RT: 2.08
Area: 2021393
Amount: 1.352141
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 2017143
Amount: 1.349298
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 13:11:33
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

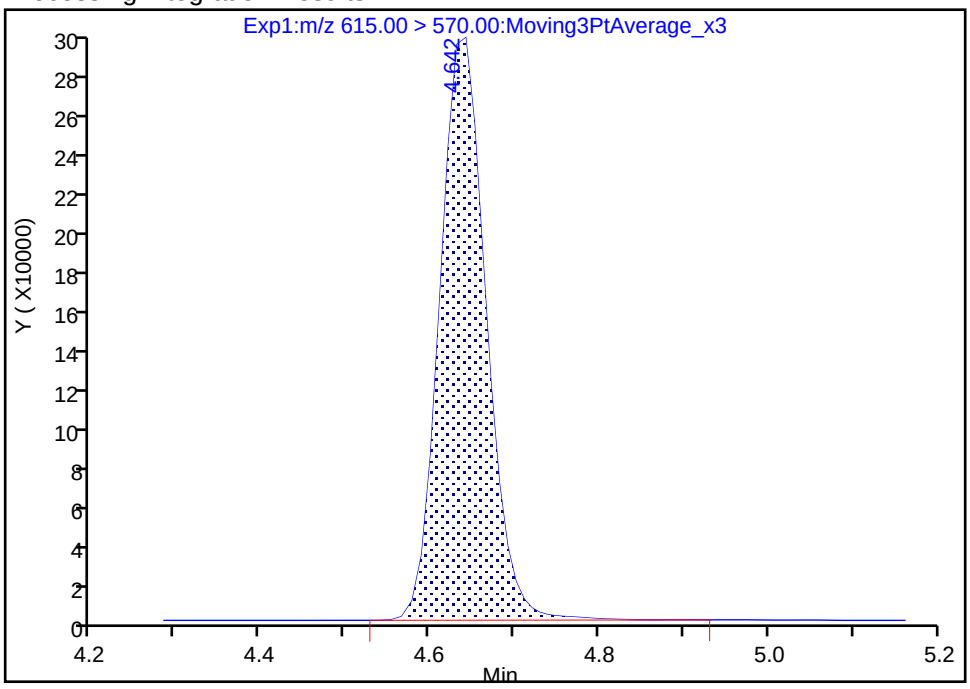
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C04.d
Injection Date: 04-Aug-2022 17:25:50 Instrument ID: LC812
Lims ID: LCSD 200-182374/3-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 36 13C2 PFDoA, CAS: STL00998

Signal: 1

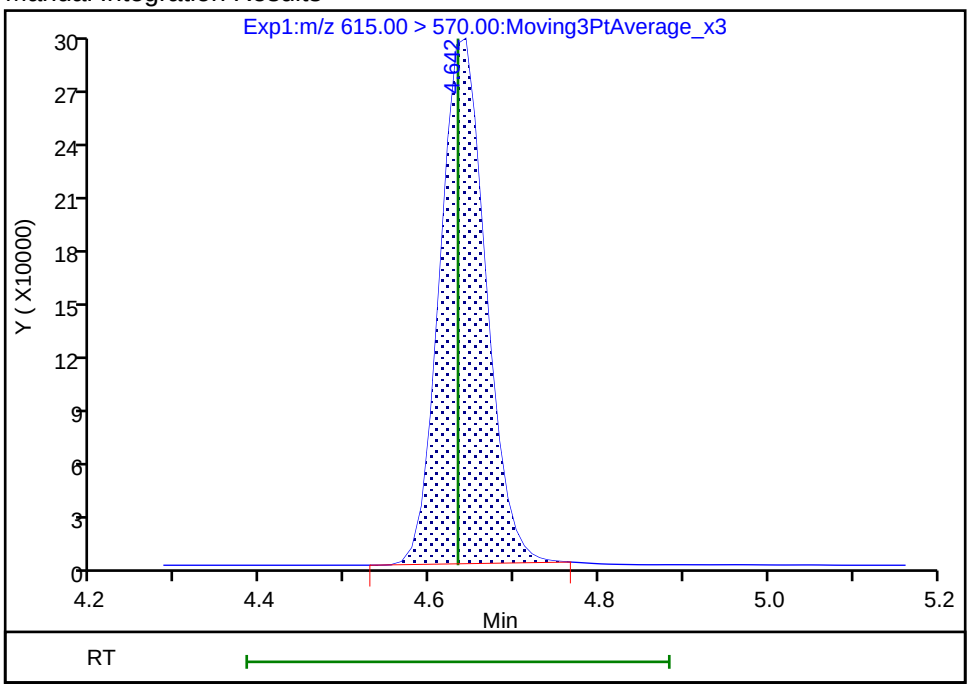
Processing Integration Results

RT: 4.64
Area: 1116471
Amount: 1.153435
Amount Units: ng/ml



Manual Integration Results

RT: 4.64
Area: 1101316
Amount: 1.137778
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 13:12:54
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

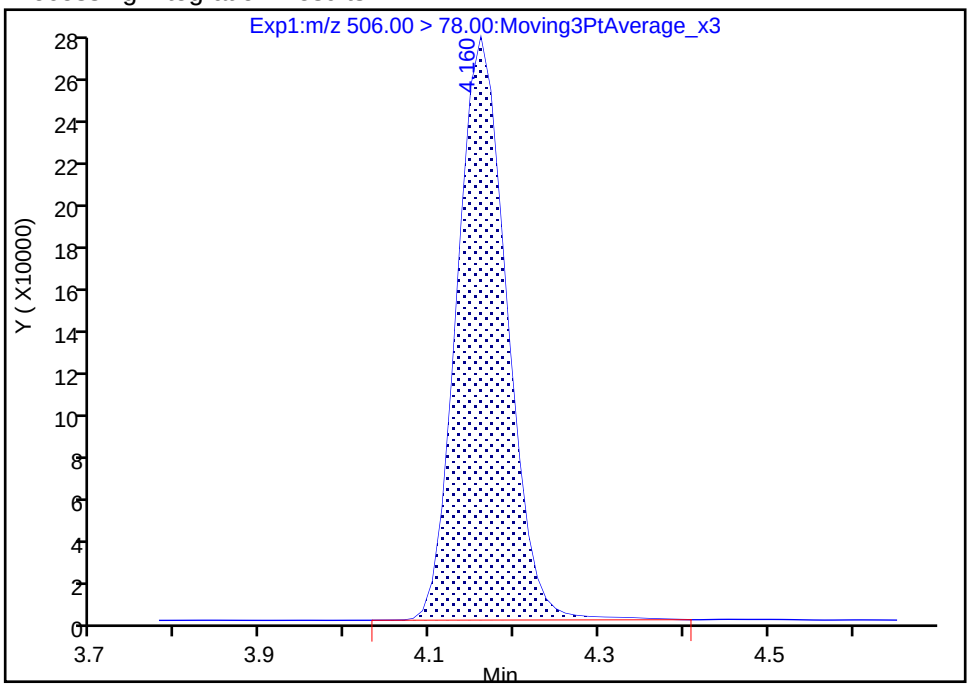
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Injection Date: 04-Aug-2022 17:25:50 Instrument ID: LC812
Lims ID: LCSD 200-182374/3-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

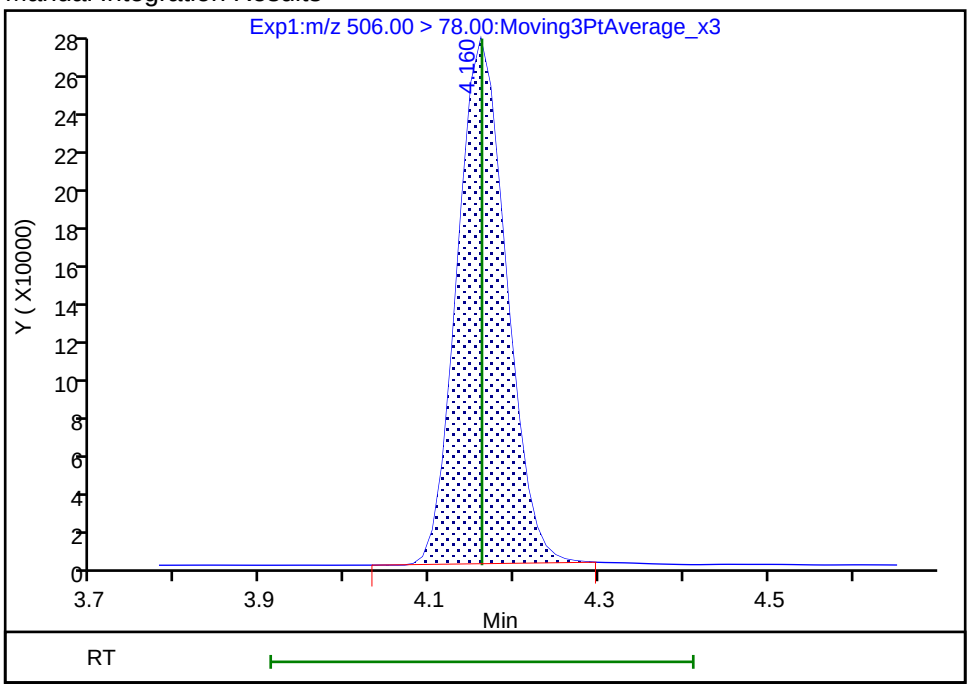
Processing Integration Results

RT: 4.16
Area: 1103089
Amount: 1.022308
Amount Units: ng/ml



Manual Integration Results

RT: 4.16
Area: 1088160
Amount: 1.008472
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 13:12:26
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

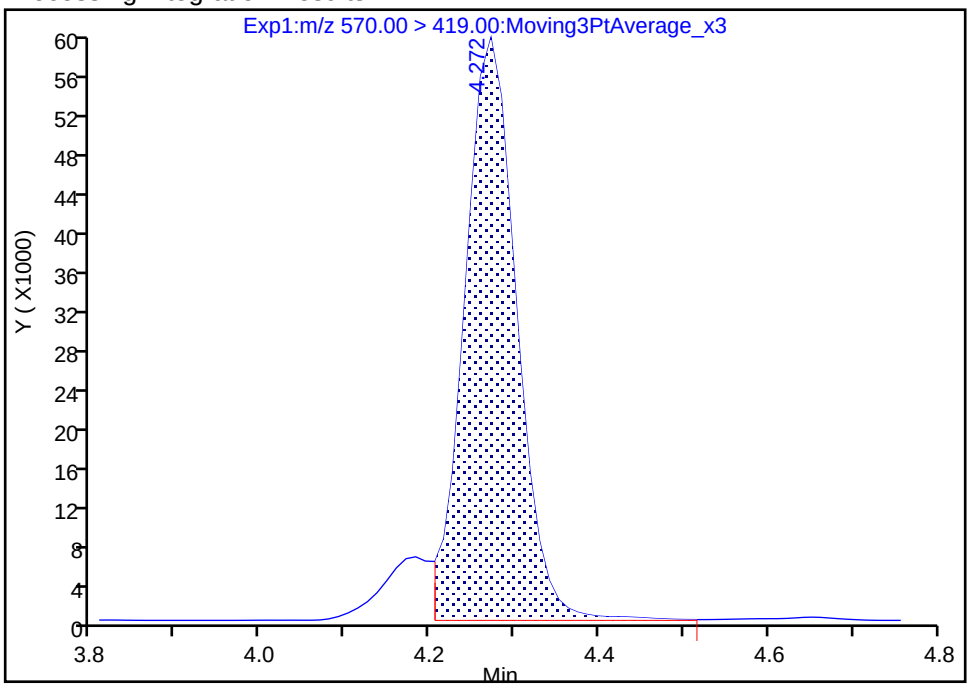
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C04.d
Injection Date: 04-Aug-2022 17:25:50 Instrument ID: LC812
Lims ID: LCSD 200-182374/3-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

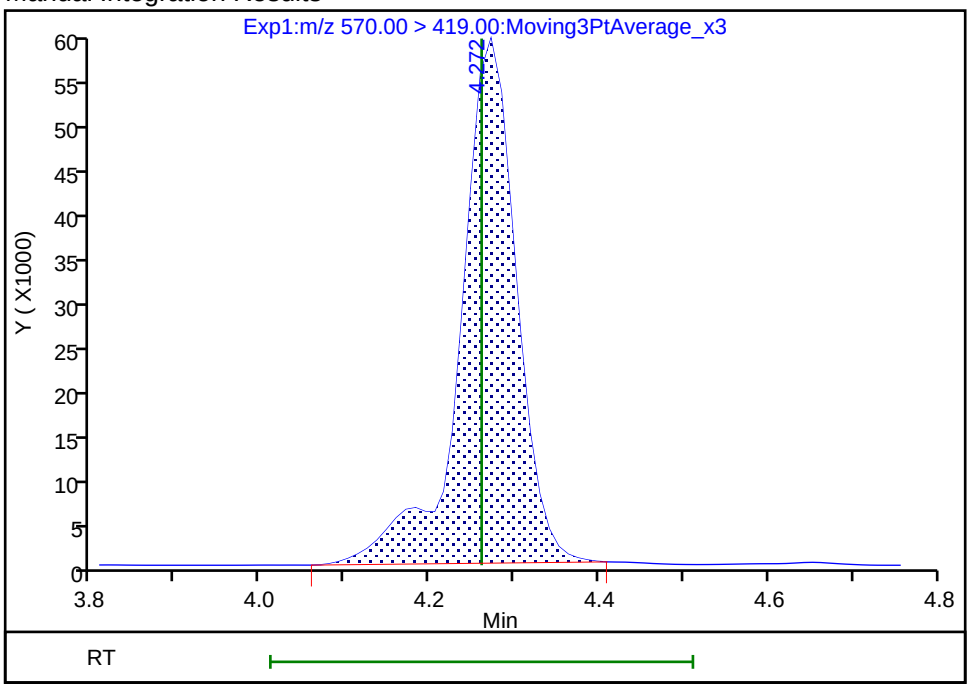
Processing Integration Results

RT: 4.27
Area: 255682
Amount: 1.888296
Amount Units: ng/ml



Manual Integration Results

RT: 4.27
Area: 276693
Amount: 2.043469
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 13:12:31
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

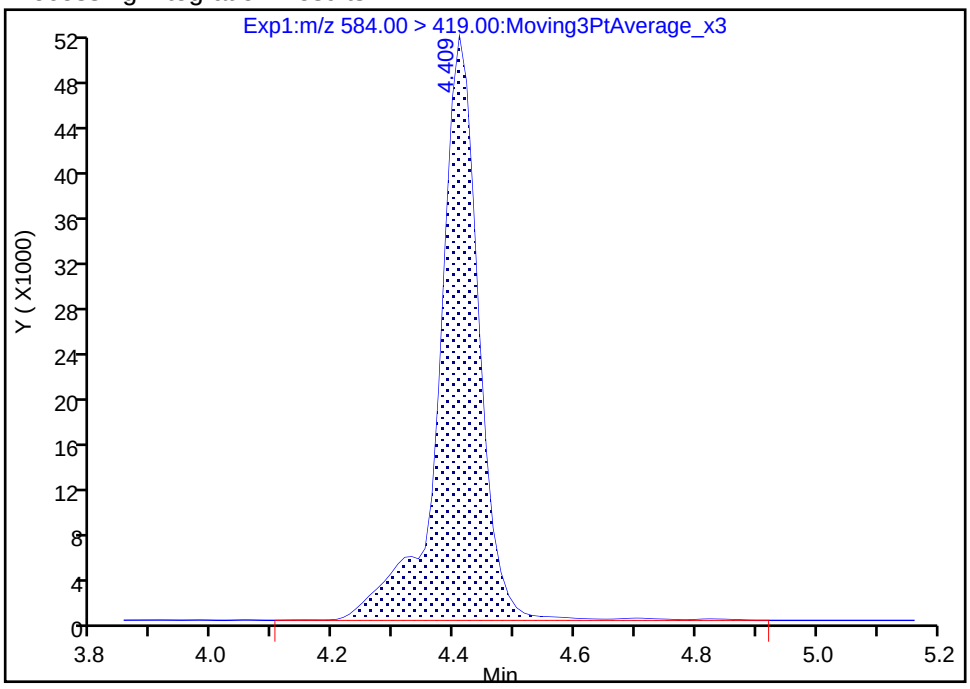
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C04.d
Injection Date: 04-Aug-2022 17:25:50 Instrument ID: LC812
Lims ID: LCSD 200-182374/3-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

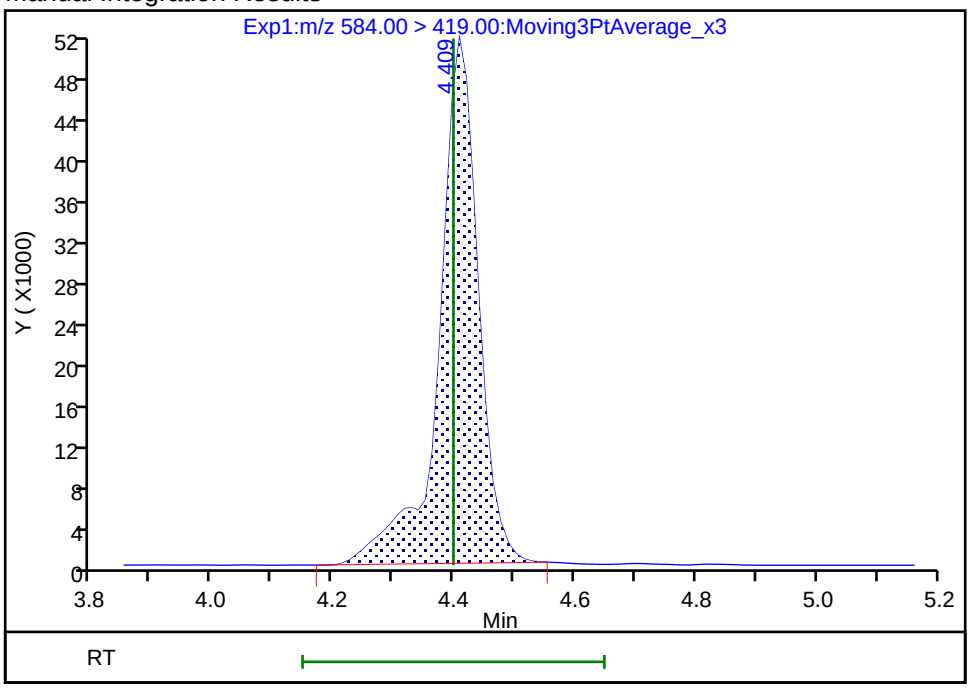
Processing Integration Results

RT: 4.41
Area: 240452
Amount: 2.139322
Amount Units: ng/ml



Manual Integration Results

RT: 4.41
Area: 234378
Amount: 2.085281
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 13:12:41
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

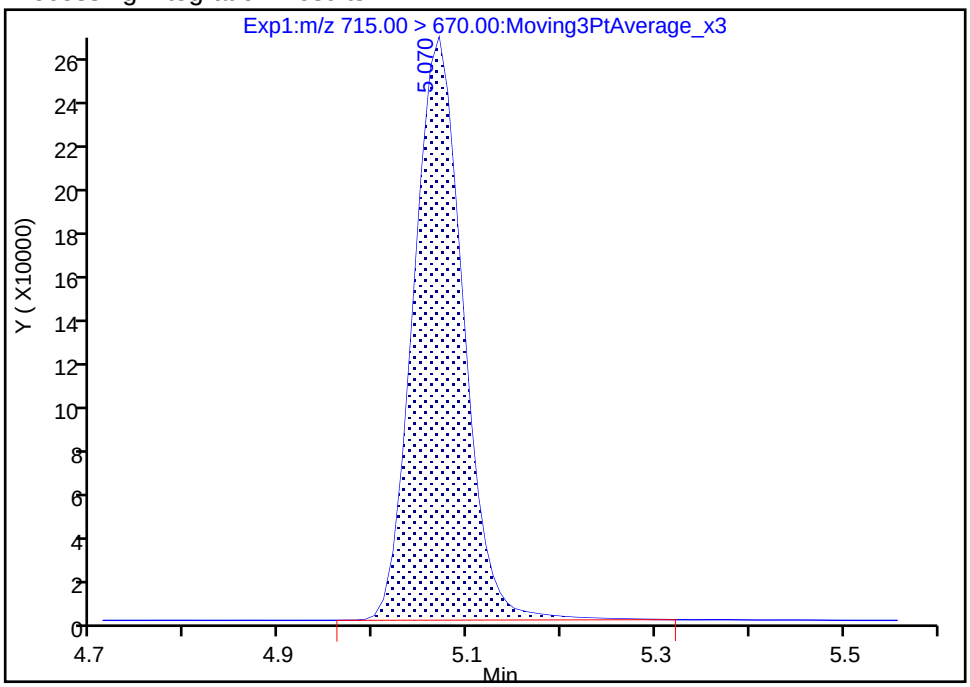
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C04.d
Injection Date: 04-Aug-2022 17:25:50 Instrument ID: LC812
Lims ID: LCSD 200-182374/3-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

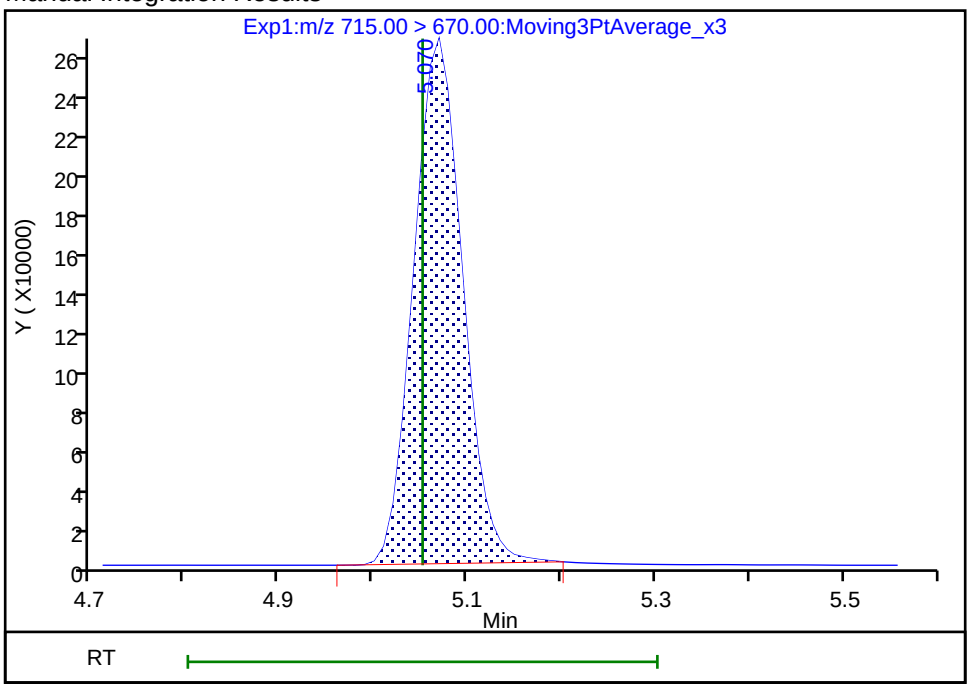
Processing Integration Results

RT: 5.07
Area: 952370
Amount: 1.203591
Amount Units: ng/ml



Manual Integration Results

RT: 5.07
Area: 937972
Amount: 1.185395
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 13:13:02
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

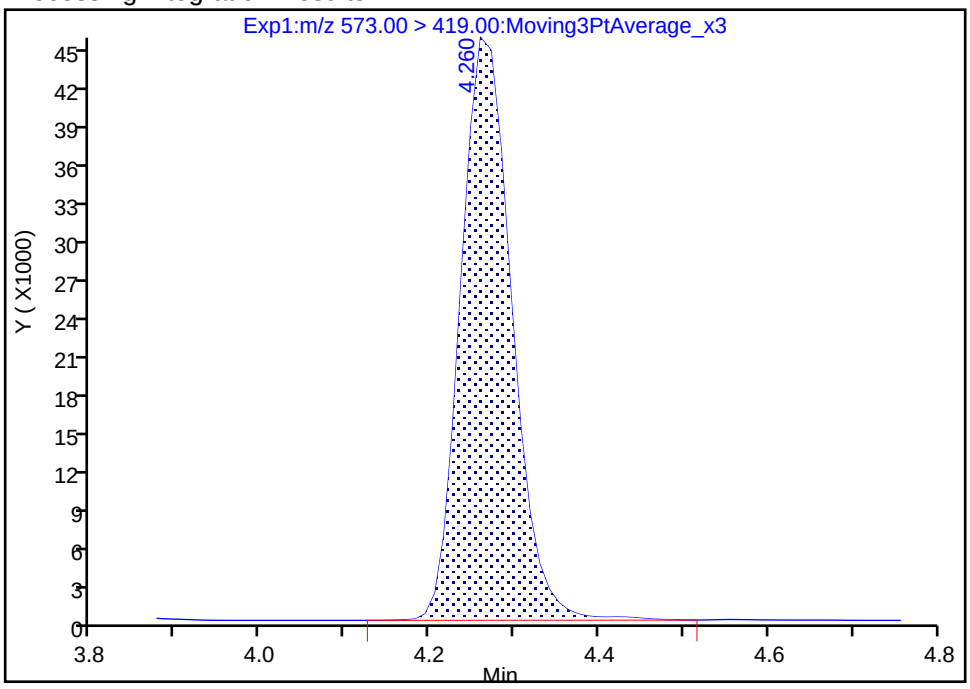
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Injection Date: 04-Aug-2022 17:25:50 Instrument ID: LC812
Lims ID: LCSD 200-182374/3-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

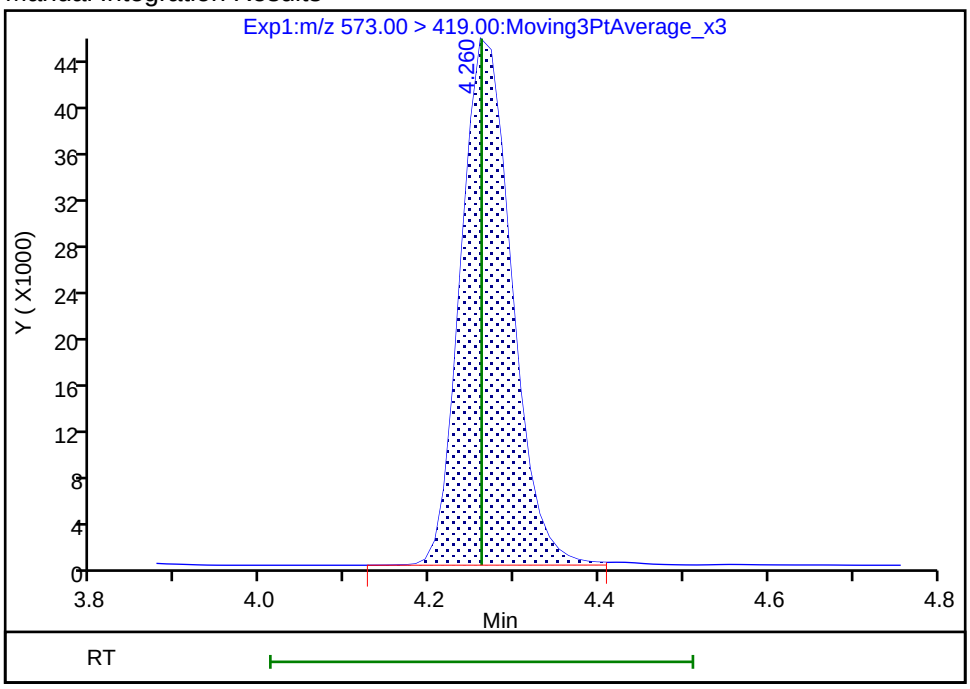
Processing Integration Results

RT: 4.26
Area: 191282
Amount: 1.157598
Amount Units: ng/ml



Manual Integration Results

RT: 4.26
Area: 190578
Amount: 1.153337
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:11:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

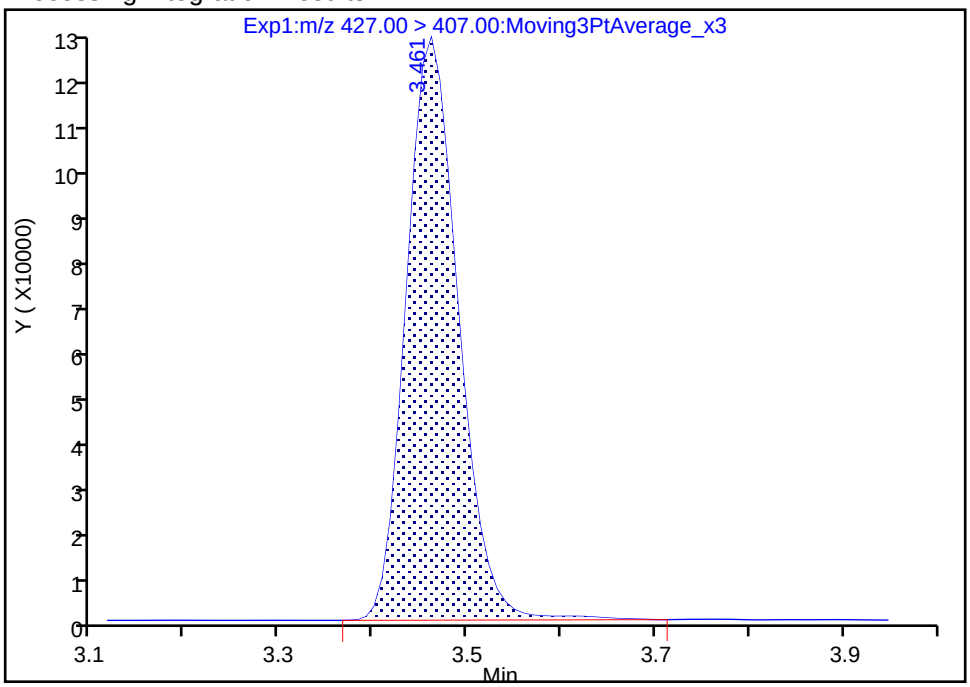
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Injection Date: 04-Aug-2022 17:25:50 Instrument ID: LC812
Lims ID: LCSD 200-182374/3-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

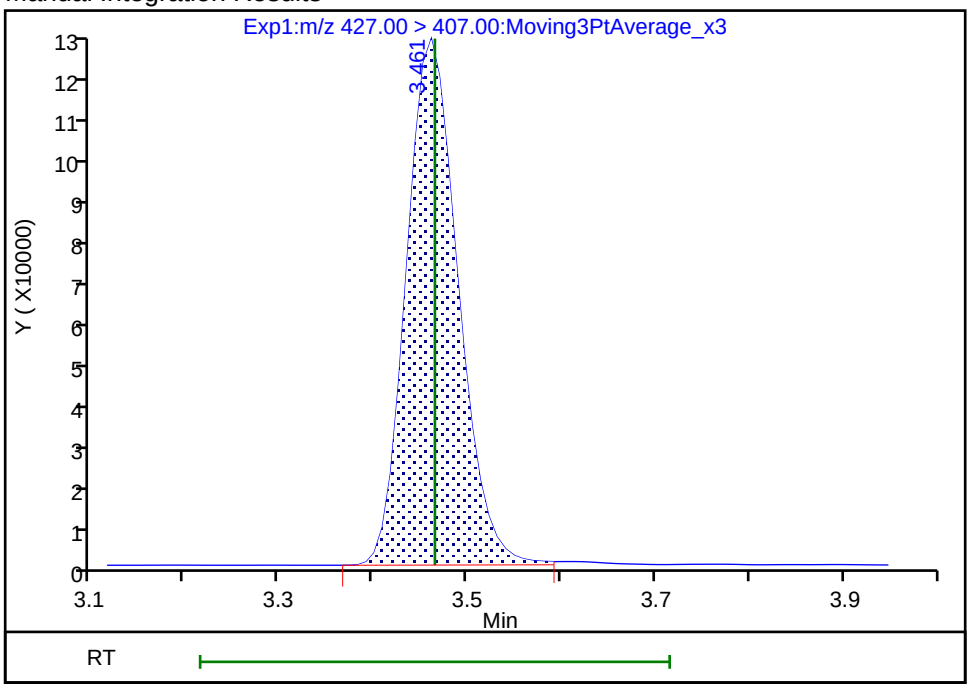
Processing Integration Results

RT: 3.46
Area: 495499
Amount: 2.142064
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 492629
Amount: 2.129559
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:13:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

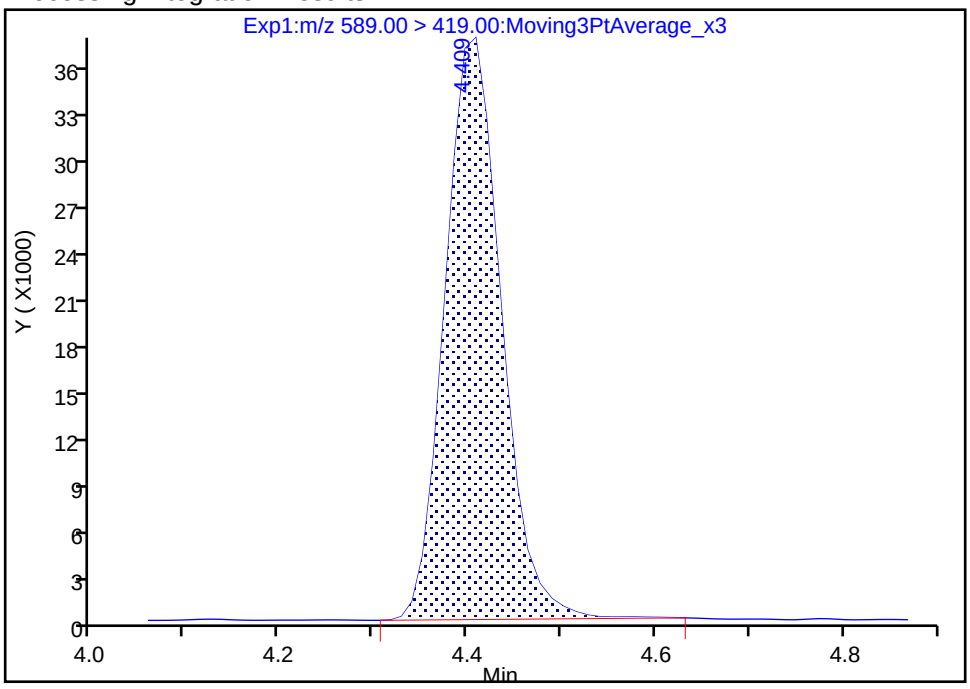
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C04.d
Injection Date: 04-Aug-2022 17:25:50 Instrument ID: LC812
Lims ID: LCSD 200-182374/3-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

D 32 d5-NEtFOSAA, CAS: STL02117

Signal: 1

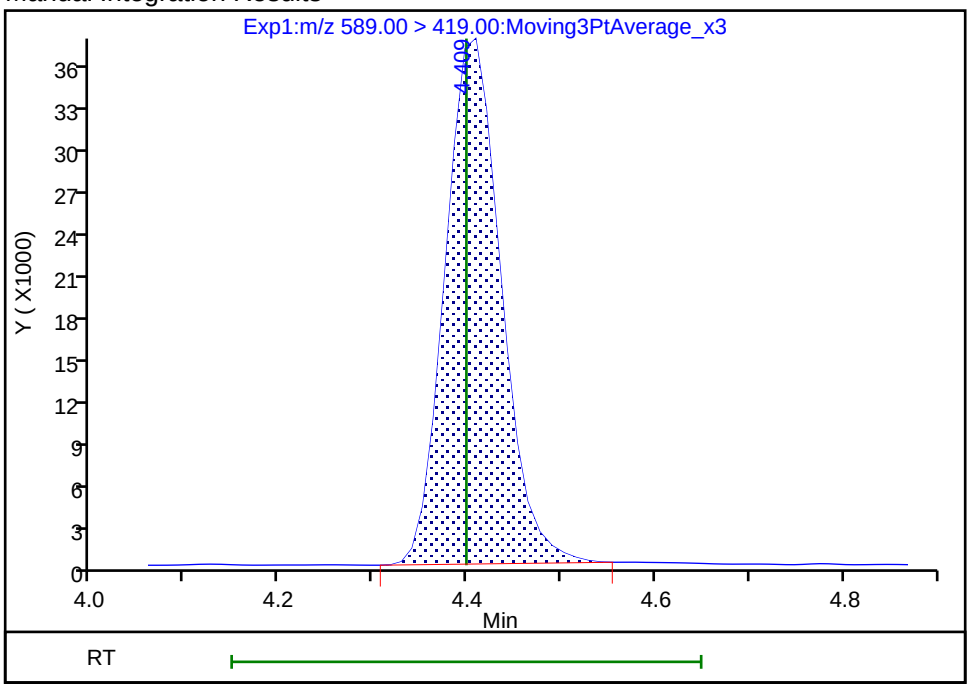
Processing Integration Results

RT: 4.41
Area: 155646
Amount: 0.995149
Amount Units: ng/ml



Manual Integration Results

RT: 4.41
Area: 154745
Amount: 0.989388
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:11:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

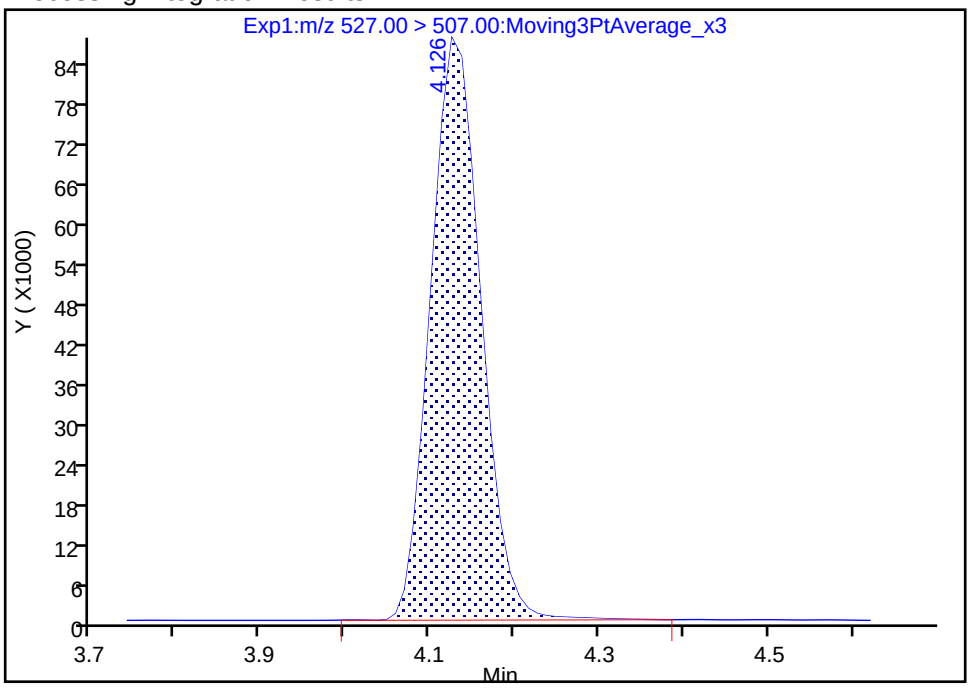
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C04.d
Injection Date: 04-Aug-2022 17:25:50 Instrument ID: LC812
Lims ID: LCSD 200-182374/3-A
Client ID:
Operator ID: lc812tech ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

25 1H,1H,2H,2H-perfluorodecanesulfo, CAS: 39108-34-4

Signal: 1

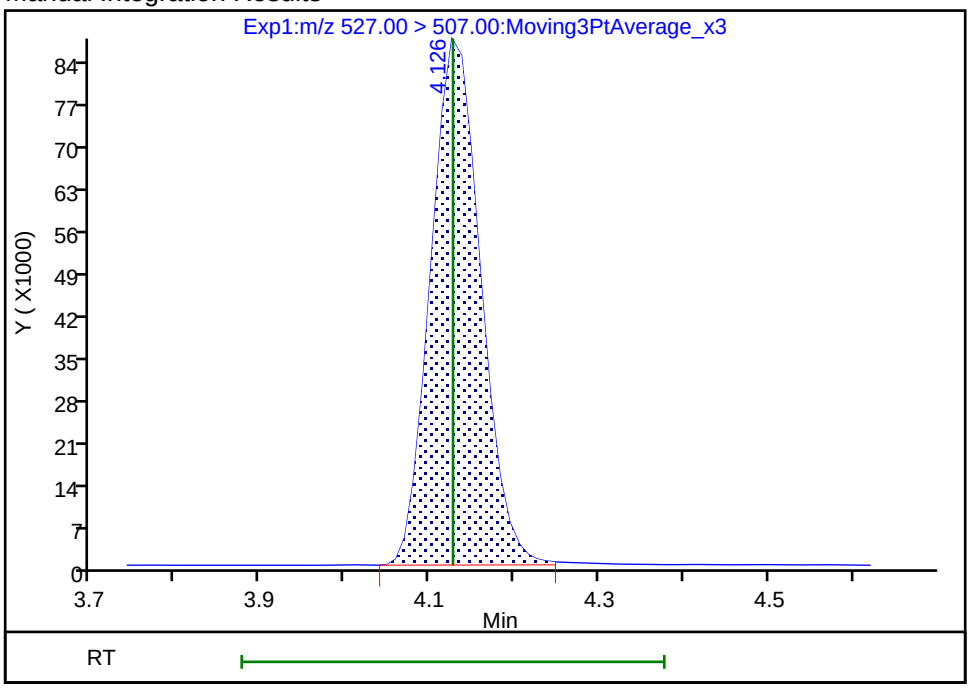
Processing Integration Results

RT: 4.13
Area: 362441
Amount: 1.948870
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 360829
Amount: 1.940202
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:15:11
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

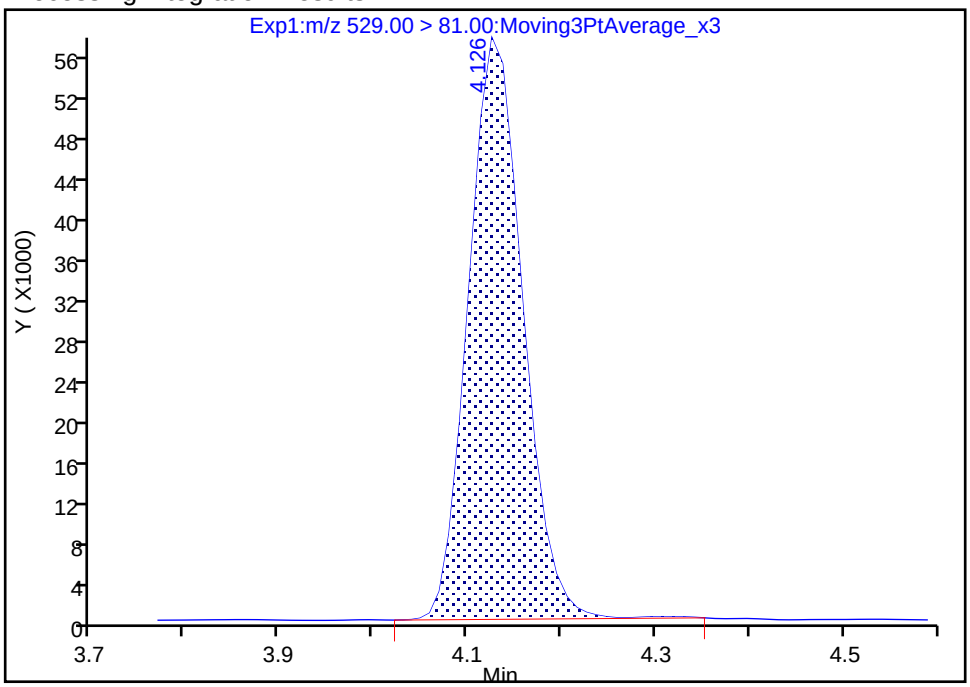
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51963.b\PA220804C04.d				
Injection Date:	04-Aug-2022 17:25:50	Instrument ID:	LC812		
Lims ID:	LCSD 200-182374/3-A				
Client ID:					
Operator ID:	lc812tech	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 26 M2-8:2 FTS, CAS: STL02280

Signal: 1

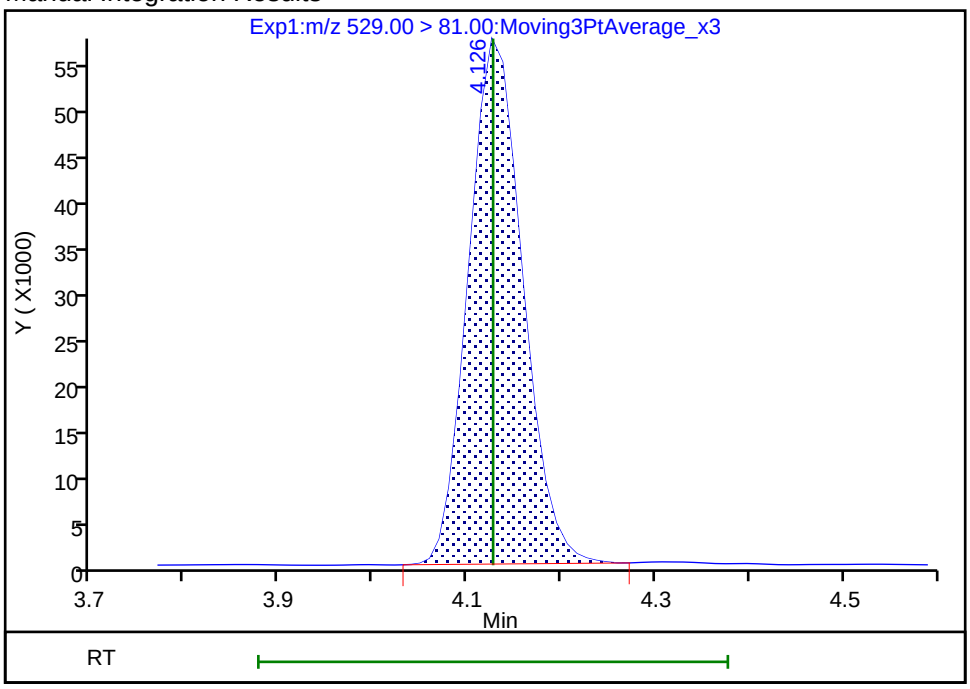
Processing Integration Results

RT: 4.13
Area: 231653
Amount: 1.229277
Amount Units: ng/ml



Manual Integration Results

RT: 4.13
Area: 230624
Amount: 1.223817
Amount Units: ng/ml



Reviewer: khanphomeea, 05-Aug-2022 09:11:25

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 460-262897-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-262622-A-5-E MS

Matrix: Solid | Lab File ID: PA220804B05.d

Analysis Method: 537 (modified) | Date Collected:

Extraction Method: SHAKE | Date Extracted: 08/03/2022 11:39

Sample wt/vol: 5.11(g) | Date Analyzed: 08/04/2022 14:33

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 20(uL) | GC Column: C-18 ID: 4.6(mm)

% Moisture: 14.7 % Solids: 85.3 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 182375 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	2.375		0.57	0.38
2706-90-3	Perfluoropentanoic acid (PFPeA)	2.461		0.23	0.063
307-24-4	Perfluorohexanoic acid (PFHxA)	2.530		0.23	0.053
375-85-9	Perfluoroheptanoic acid (PFHpA)	2.432		0.23	0.045
335-67-1	Perfluorooctanoic acid (PFOA)	2.849		0.23	0.067
375-95-1	Perfluorononanoic acid (PFNA)	2.617		0.23	0.039
335-76-2	Perfluorodecanoic acid (PFDA)	2.422		0.23	0.032
2058-94-8	Perfluoroundecanoic acid (PFUnA)	2.438		0.23	0.031
307-55-1	Perfluorododecanoic acid (PFDoA)	2.533		0.23	0.029
72629-94-8	Perfluorotridecanoic acid (PFTriA)	2.116		0.23	0.029
376-06-7	Perfluorotetradecanoic acid (PFTeA)	2.444		0.23	0.030
375-73-5	Perfluorobutanesulfonic acid (PFBS)	2.184		0.23	0.038
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	2.272		0.23	0.047
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	2.372		0.23	0.026
335-77-3	Perfluorodecanesulfonic acid (PFDS)	2.469		0.23	0.022
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	5.076		0.23	0.13
754-91-6	Perfluorooctanesulfonamide (FOSA)	2.452		0.23	0.039
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.489		2.30	0.13
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.641		2.30	0.095
27619-97-2	6:2 FTS	2.314		2.30	0.065
39108-34-4	8:2 FTS	2.521		2.30	0.042

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 460-262897-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-262622-A-5-E MS

Matrix: Solid | Lab File ID: PA220804B05.d

Analysis Method: 537 (modified) | Date Collected:

Extraction Method: SHAKE | Date Extracted: 08/03/2022 11:39

Sample wt/vol: 5.11(g) | Date Analyzed: 08/04/2022 14:33

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 20(uL) | GC Column: C-18 ID: 4.6(mm)

% Moisture: 14.7 % Solids: 85.3 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 182375 | Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL01892	13C4 PFHpA	92		50-150
STL00990	13C4 PFOA	94		50-150
STL00995	13C5 PFNA	93		50-150
STL00992	13C4 PFBA	87		50-150
STL00993	13C2 PFHxA	93		50-150
STL00996	13C2 PFDA	102		50-150
STL00997	13C2 PFUnA	106		50-150
STL00994	18O2 PFHxS	84		50-150
STL00998	13C2 PFDoA	102		50-150
STL00991	13C4 PFOS	81		50-150
STL01056	13C8 FOSA	72		50-150
STL01893	13C5 PFPeA	93		50-150
STL02116	13C2 PFTeDA	93		50-150
STL02118	d3-NMeFOSAA	108		50-150
STL02117	d5-NEtFOSAA	126		50-150
STL02279	M2-6:2 FTS	114		50-150
STL02337	13C3 PFBS	82		50-150
STL02280	M2-8:2 FTS	152	*	50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B05.d
Lims ID: 460-262622-A-5-E MS
Client ID: BDS-20P
Sample Type: MS
Inject. Date: 04-Aug-2022 14:33:53 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: 460-262622-A-5-E MS
Misc. Info.: 200-0051959-005 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 05-Aug-2022 12:53:58 Calib Date: 03-Aug-2022 13:41:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1640

First Level Reviewer: nampitakw Date: 05-Aug-2022 10:59:29
Ratio Calibration: Initial Calibration Level: 4

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 1 13C4 PFBA										M
217.00 > 172.00	2.071	2.076	-0.005	0.598	1970123	1.08		86.5	6530	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.080	2.085	-0.005	1.004	1581456	1.03		103	119	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.380	2.400	-0.020	0.688	1635228	1.17		93.4	2064	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.380	2.400	-0.020	1.000	1446032	1.07		107	28.9	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.394	2.413	-0.019	0.691	1540054	0.9501		81.7	63144	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.407	2.413	-0.006	1.006	1391434	0.9515	Target=2.23	108	186	M
298.90 > 99.00	2.407	2.413	-0.006	1.006	641435		2.17(1.11-3.34)		57.9	M
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.695	2.713	-0.018	0.778	185248	1.33		114	45.6	M
61 1H,1H,2H,2H-perfluorohexanesulfo										
327.00 > 307.00	2.695	2.713	-0.018	1.000	368921	0.9782		105	137	
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.731	2.750	-0.019	1.000	1498287	1.10	Target=12.24	110	54.5	M
313.00 > 119.00	2.731	2.750	-0.019	1.000	117952		12.70(6.12-18.36)		65.3	
D 7 13C2 PFHxA										
315.00 > 270.00	2.731	2.750	-0.019	0.789	1628458	1.16		93.1	3018	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.743	2.750	-0.007	0.883	1251376	1.00	Target=2.95	107	187	
349.00 > 99.00	2.743	2.750	-0.007	0.883	420806		2.97(1.48-4.43)		158	M
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.841	2.859	-0.018	0.821	290927	1.11		88.4	1357	

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	2.853	2.859	-0.006	1.004	262543	1.05		105	1383	M
D 11 18O2 PFHxS										M
403.00 > 84.00	3.106	3.110	-0.004	0.897	1138372	1.00		84.4	2204	M
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.106	3.110	-0.004	1.000	1051238	0.99	Target=3.43	109	192	M
399.00 > 99.00	3.106	3.110	-0.004	1.000	290676		3.62(1.72-5.15)		89.4	M
D 9 13C4 PFHpA										M
367.00 > 322.00	3.106	3.121	-0.015	0.897	1669428	1.15		92.1	2831	M
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.106	3.121	-0.015	1.000	1458201	1.06	Target=3.73	106	68.7	M
363.00 > 169.00	3.106	3.121	-0.015	1.000	389599		3.74(1.86-5.59)		353	M
77 DONA										M
377.00 > 251.00	3.150	3.154	-0.004	0.833	3123693	1.10	Target=2.84	116	1746	M
377.00 > 85.00	3.150	3.154	-0.004	0.833	1128324		2.77(1.42-4.26)		789	M
D 12 M2-6:2 FTS										
429.00 > 81.00	3.453	3.465	-0.012	0.997	258557	1.36		114	119	
13 1H,1H,2H,2H-perfluorooctanesulfo										
427.00 > 407.00	3.453	3.465	-0.012	1.000	325220	1.01		106	855	
16 Perfluoroheptanesulfonic acid										
449.00 > 80.00	3.453	3.465	-0.012	0.914	882807	1.03	Target=4.89	109	267	
449.00 > 99.00	3.453	3.465	-0.012	0.914	177779		4.97(2.44-7.33)		174	
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.462	3.474	-0.012	1.000	1953209	1.24	Target=2.67	124	74.3	M
413.00 > 169.00	3.462	3.474	-0.012	1.000	731037		2.67(1.34-4.01)		666	M
D 14 13C4 PFOA										M
417.00 > 372.00	3.462	3.474	-0.012	1.000	1754172	1.18		94.4	2550	M
* 62 13C2 PFOA										
415.00 > 370.00	3.462	3.474	-0.012		1950812	1.25			3830	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.780	3.792	-0.012	1.000	1533646	2.21	Target=4.88	238	363	M
499.00 > 99.00	3.780	3.792	-0.012	1.000	331446		4.63(2.44-7.32)		246	M
D 18 13C4 PFOS										
503.00 > 80.00	3.780	3.792	-0.012	1.092	826049	0.9704		81.2	298	
20 Perfluorononanoic acid										
463.00 > 419.00	3.799	3.812	-0.013	1.000	1664245	1.14	Target=8.23	114	110	
463.00 > 169.00	3.799	3.812	-0.013	1.000	202783		8.21(4.11-12.34)		537	
D 19 13C5 PFNA										M
468.00 > 423.00	3.799	3.812	-0.013	1.097	1793223	1.16		93.0	2217	M
69 9-Chlorohexadecafluoro-3-oxanona										M
531.00 > 351.00	3.949	3.960	-0.011	1.045	1271245	1.04		112	1148	M
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.081	4.093	-0.012	1.080	538363	0.99	Target=2.53	104	255	
549.00 > 99.00	4.081	4.093	-0.012	1.080	227468		2.37(1.26-3.79)		272	M
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.104	4.116	-0.012	1.000	1693251	1.06	Target=9.67	106	161	
513.00 > 169.00	4.104	4.116	-0.012	1.000	190316		8.90(4.83-14.50)		220	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 23 13C2 PFDA										M
515.00 > 470.00	4.104	4.116	-0.012	1.185	1907285	1.27		102	1852	M
25 1H,1H,2H,2H-perfluorodecanesulfo										M
527.00 > 507.00	4.115	4.127	-0.012	1.000	370787	1.10		115	1167	M
D 26 M2-8:2 FTS										M
529.00 > 81.00	4.115	4.127	-0.012	1.189	418669	1.82		152	208	M
D 21 13C8 FOSA										M
506.00 > 78.00	4.161	4.161	0.0	1.202	1181443	0.8987		71.9	1437	M
22 Perfluorooctanesulfonamide										M
498.00 > 78.00	4.161	4.161	0.0	1.000	1028980	1.07		107	1076	M
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.261	4.261	-0.001	1.003	209027	1.08		108	394	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.249	4.261	-0.012	1.227	271271	1.35		108	454	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.353	4.365	-0.012	1.152	433218	1.08	Target=2.80	112	231	
599.00 > 99.00	4.353	4.365	-0.012	1.152	156103		2.78(1.40-4.20)		261	M
D 30 13C2 PFUnA										
565.00 > 520.00	4.376	4.387	-0.011	1.264	1504830	1.32		106	3852	
31 Perfluoroundecanoic acid										M
563.00 > 519.00	4.376	4.387	-0.011	1.000	1354972	1.06	Target=9.07	106	237	
563.00 > 169.00	4.376	4.387	-0.011	1.000	159684		8.49(4.54-13.61)		381	M
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.398	4.399	-0.001	1.003	251638	1.15		115	658	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.387	4.399	-0.012	1.267	301134	1.58		126	692	
66 11-Chloroeicosafluoro-3-oxaundec										
631.00 > 451.00	4.478	4.491	-0.013	1.185	1539544	0.9687		103	2440	
D 36 13C2 PFDoA										M
615.00 > 570.00	4.622	4.633	-0.011	1.335	1502940	1.27		102	1822	M
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.622	4.633	-0.011	1.000	1345536	1.10	Target=6.97	110	228	M
613.00 > 169.00	4.622	4.633	-0.011	1.000	205674		6.54(3.48-10.45)		662	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.643	4.654	-0.011	1.128	206169	1.31		136	1017	M
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.803	4.813	-0.010	1.271	180290	1.01	Target=0.52	104	189	M
699.00 > 99.00	4.803	4.813	-0.010	1.271	327798		0.55(0.26-0.79)		896	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.836	4.859	-0.023	1.046	974463	0.9219	Target=4.56	92.2	238	M
663.00 > 169.00	4.836	4.859	-0.023	1.046	215150		4.53(2.28-6.84)		427	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.041	5.052	-0.011	1.456	1121455	1.16		93.1	2046	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.041	5.052	-0.011	1.000	153044	1.06	Target=0.94	106	858	
713.00 > 219.00	5.031	5.052	-0.021	0.998	166053		0.92(0.47-1.41)		837	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	5.411	5.422	-0.011	1.000	884985	1.19	Target=4.38	119	527	
813.00 > 169.00	5.411	5.422	-0.011	1.000	199041		4.45(2.19-6.57)		604	M
D 44 13C2 PFHxDA										M
815.00 > 770.00	5.411	5.422	-0.011	1.563	1023381	0.9319		74.6	1915	M
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.767	5.795	-0.028	1.066	636239	1.17	Target=4.31	117	396	M
913.00 > 169.00	5.767	5.795	-0.028	1.066	146225		4.35(2.16-6.47)		362	

QC Flag Legend

Processing Flags

Review Flags

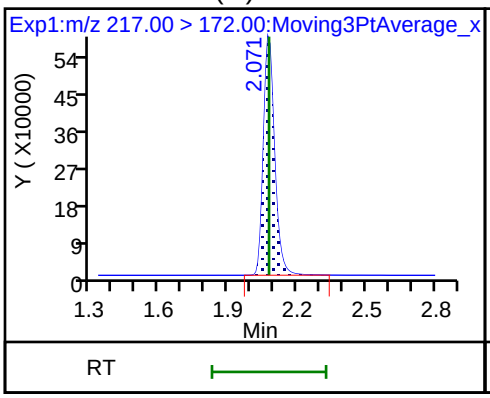
M - Manually Integrated

Report Date: 05-Aug-2022 12:54:16 Chrom Revision: 2.3 04-Aug-2022 18:02:28

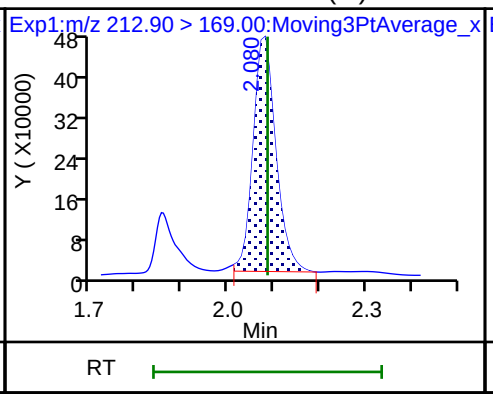
Eurofins Burlington

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Injection Date: 04-Aug-2022 14:33:53 Instrument ID: LC812
Lims ID: 460-262622-A-5-E MS
Client ID: BDS-20P
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL

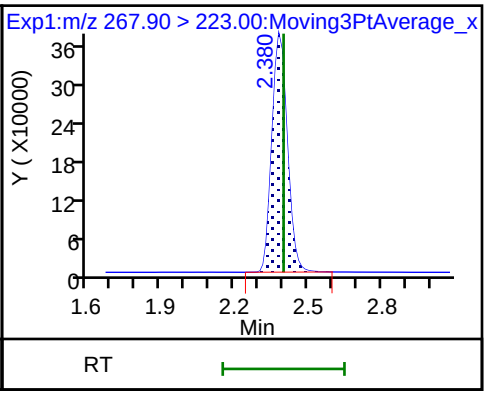
D 1 13C4 PFBA (M)



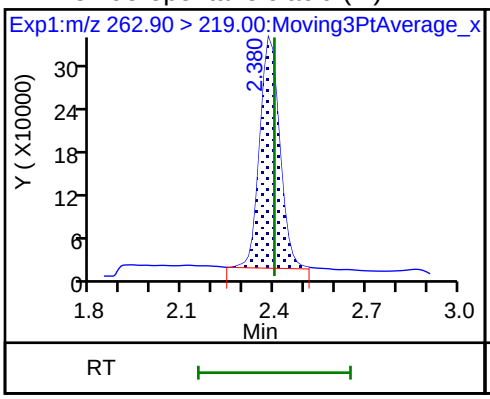
2 Perfluorobutanoic acid (M)



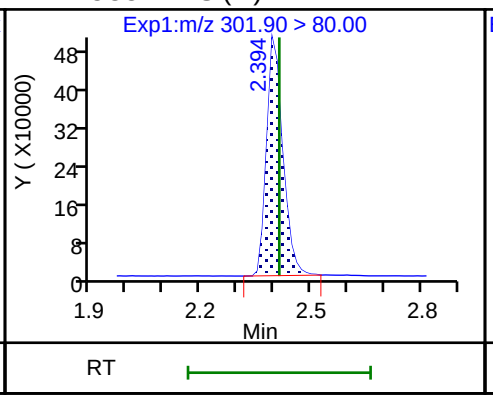
D 3 13C5 PFPeA



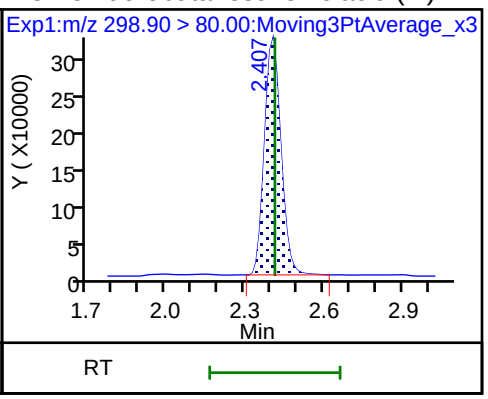
4 Perfluoropentanoic acid (M)



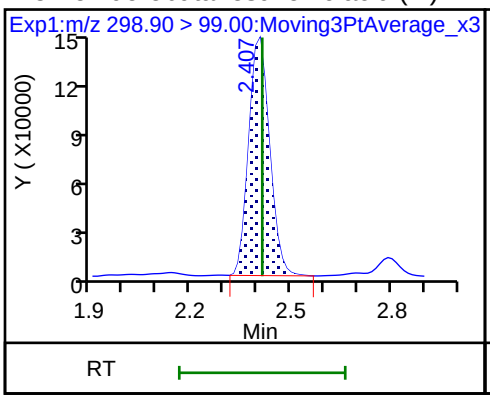
D 47 13C3 PFBS (M)



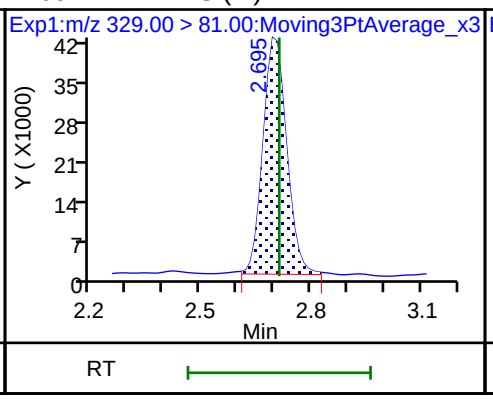
5 Perfluorobutanesulfonic acid (M)



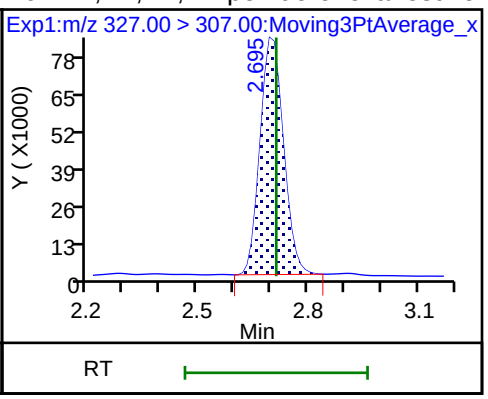
5 Perfluorobutanesulfonic acid (M)



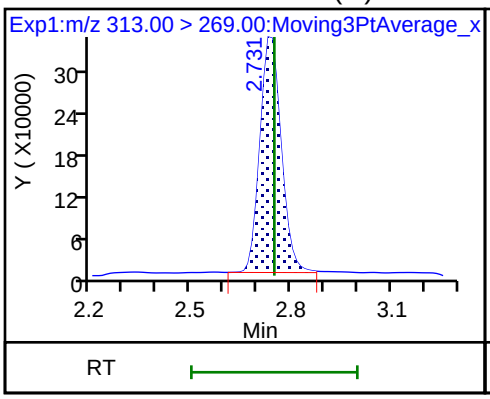
D 60 M2-4:2 FTS (M)



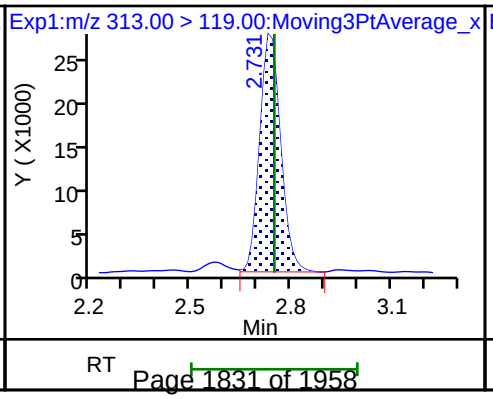
61 1H,1H,2H,2H-perfluorohexanesulfo



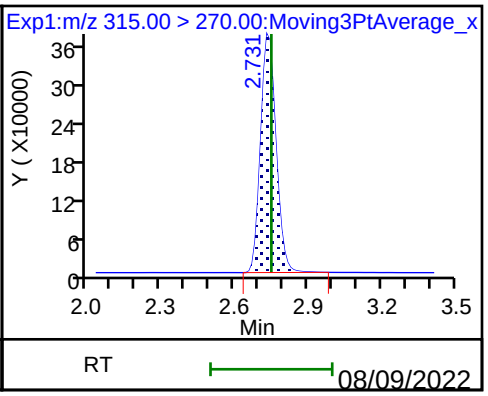
6 Perfluorohexanoic acid (M)



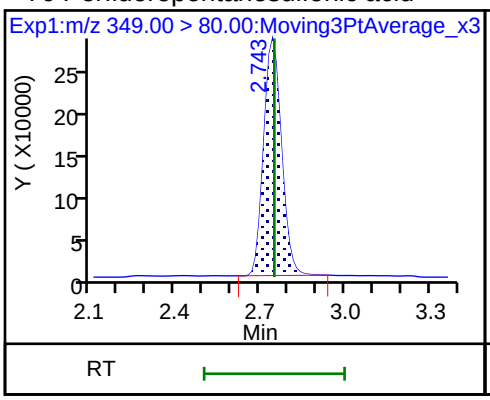
6 Perfluorohexanoic acid



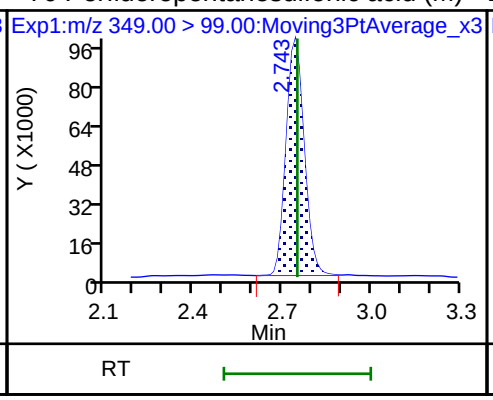
D 7 13C2 PFHxA



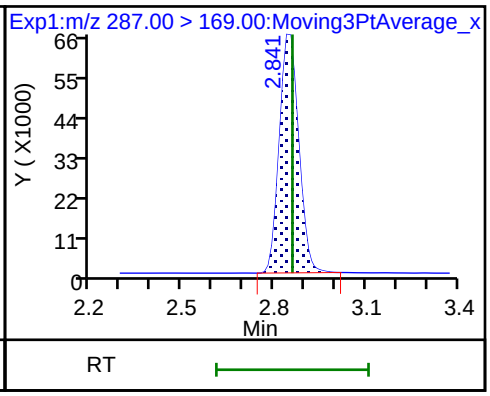
70 Perfluoropentanesulfonic acid



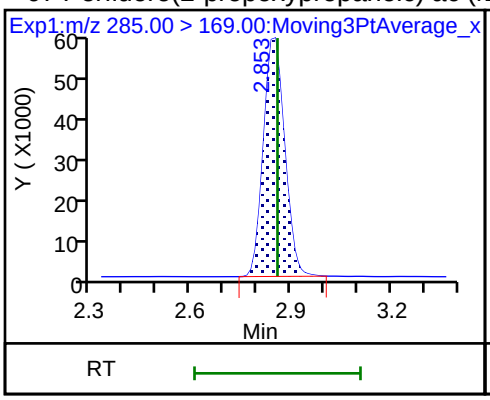
70 Perfluoropentanesulfonic acid (M)



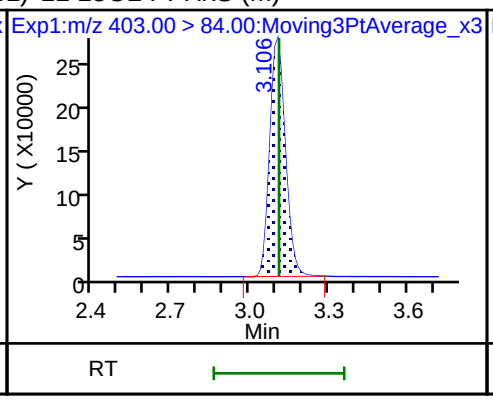
D 64 13C3 HFPO-DA



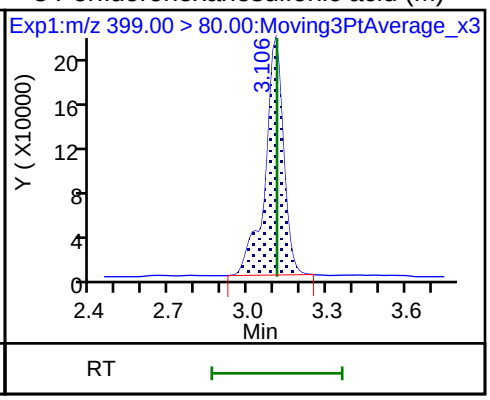
67 Perfluoro(2-propoxypropanoic) ac (M)



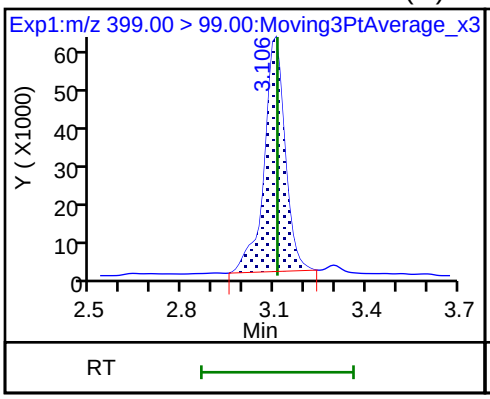
D 11 18O2 PFHxS (M)



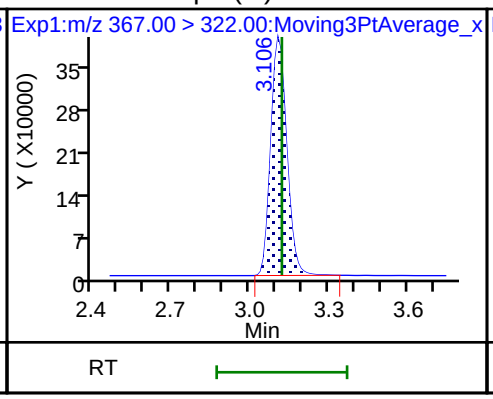
8 Perfluorohexanesulfonic acid (M)



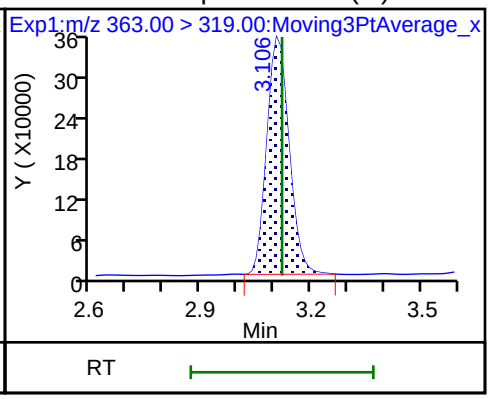
8 Perfluorohexanesulfonic acid (M)



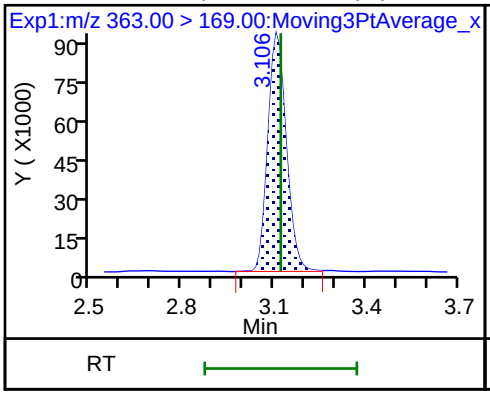
D 9 13C4 PFHpA (M)



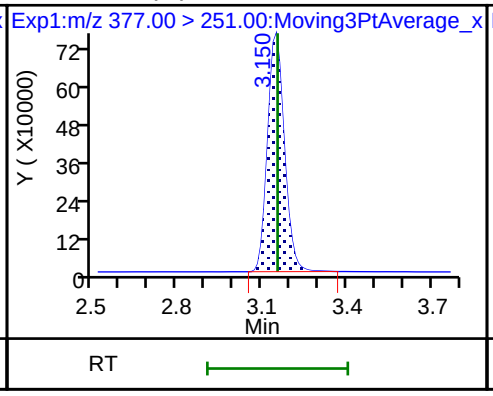
10 Perfluoroheptanoic acid (M)



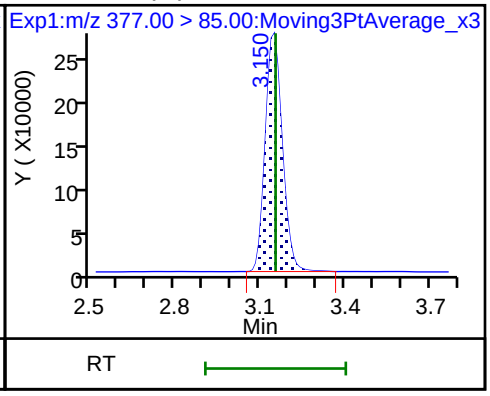
10 Perfluoroheptanoic acid (M)



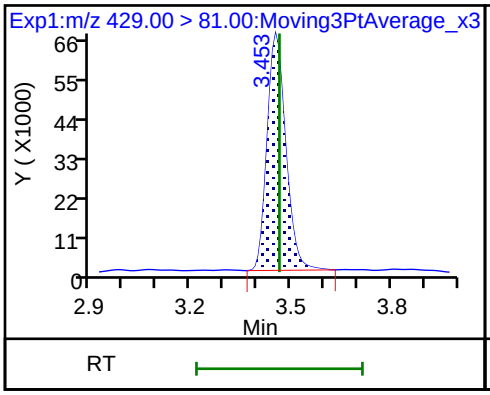
77 DONA (M)



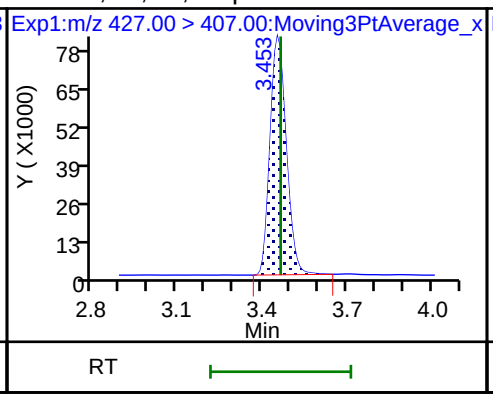
77 DONA (M)



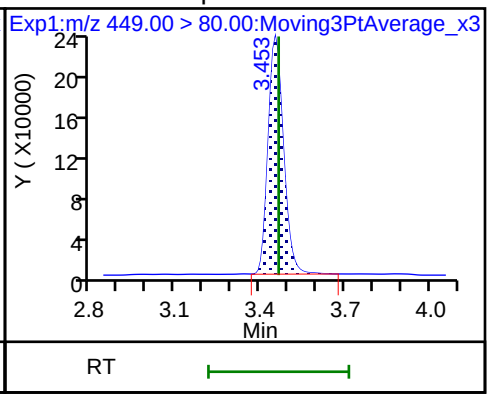
D 12 M2-6:2 FTS



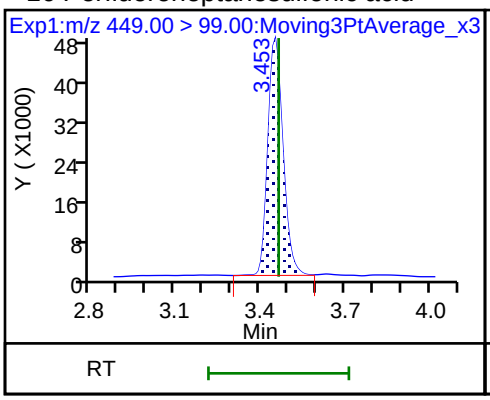
13 1H,1H,2H,2H-perfluorooctanesulfo



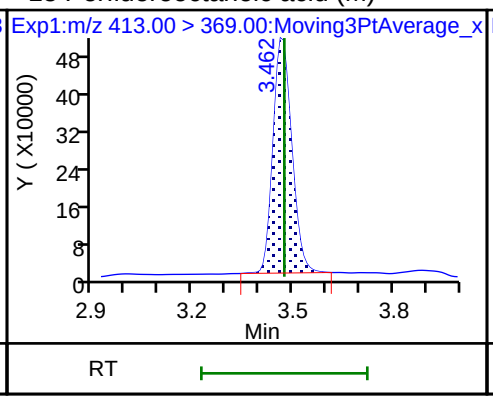
16 Perfluoroheptanesulfonic acid



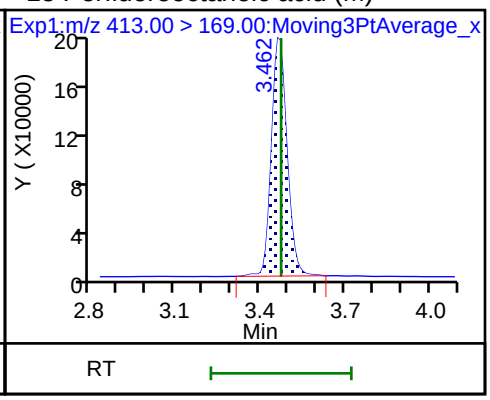
16 Perfluoroheptanesulfonic acid



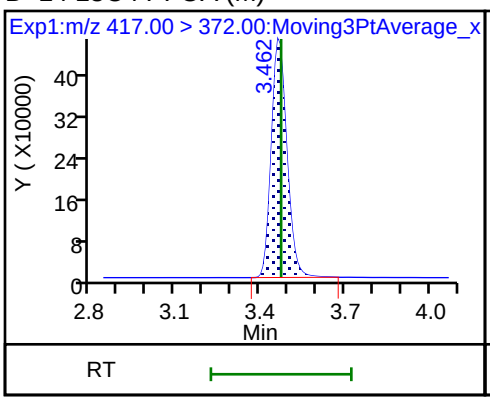
15 Perfluorooctanoic acid (M)



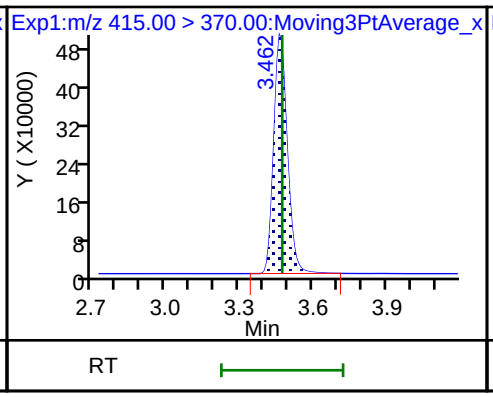
15 Perfluorooctanoic acid (M)



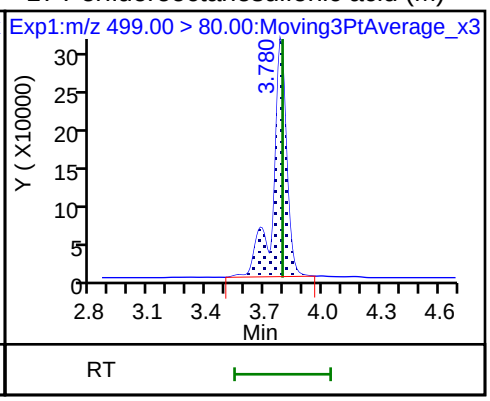
D 14 13C4 PFOA (M)



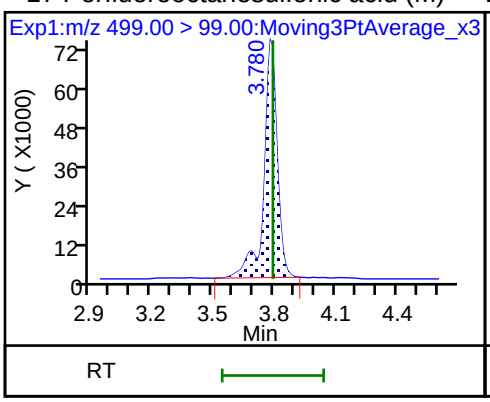
* 62 13C2 PFOA



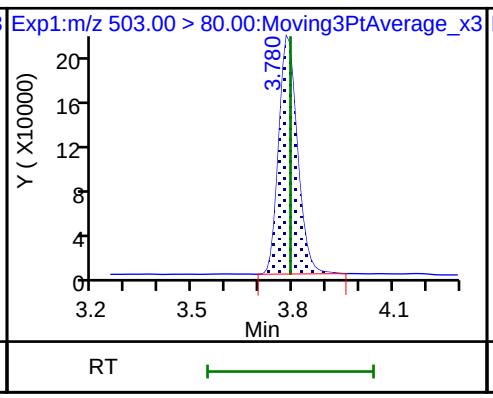
17 Perfluorooctanesulfonic acid (M)



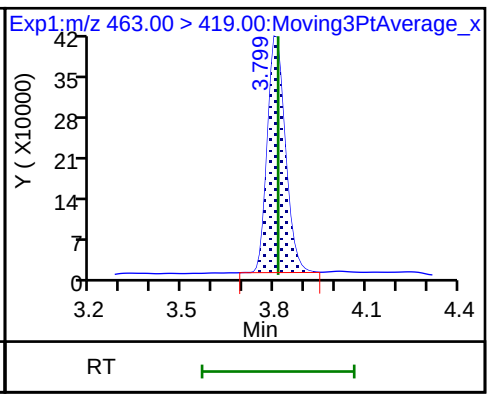
17 Perfluorooctanesulfonic acid (M)



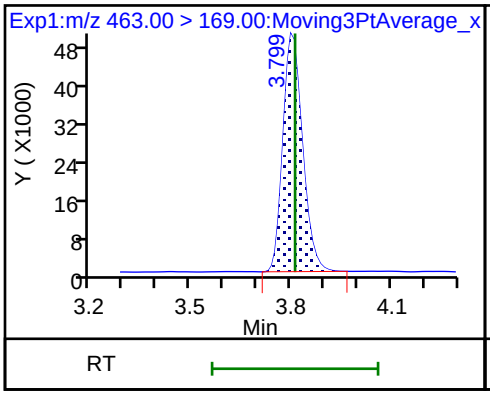
D 18 13C4 PFOS



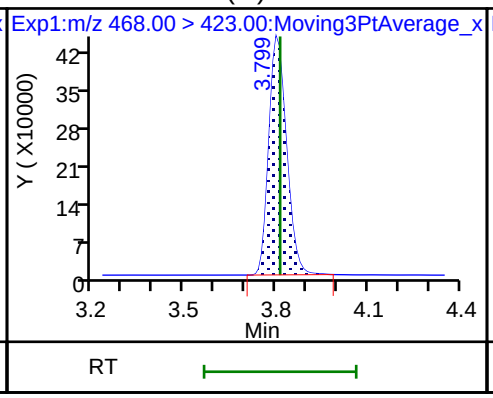
20 Perfluorononanoic acid



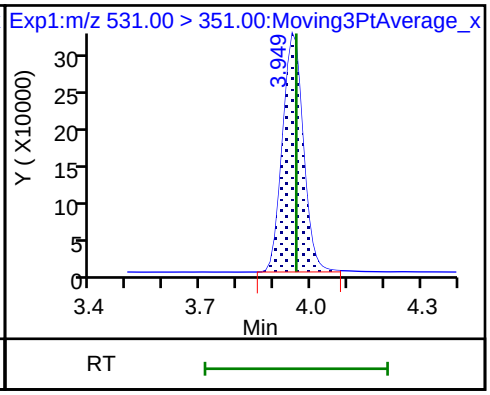
20 Perfluorononanoic acid



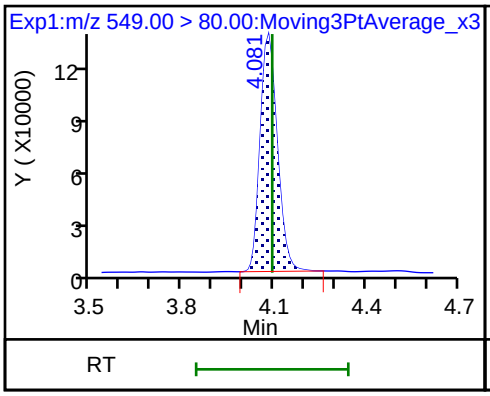
D 19 13C5 PFNA (M)



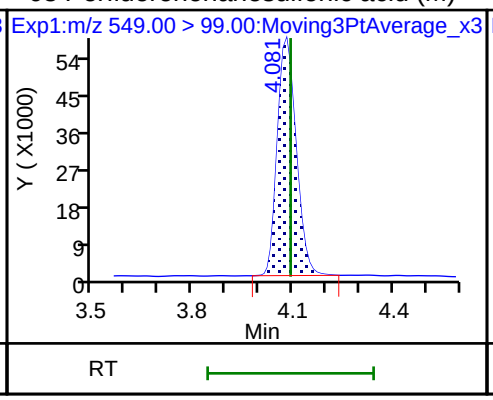
69 9-Chlorohexadecafluoro-3-oxanona (M)



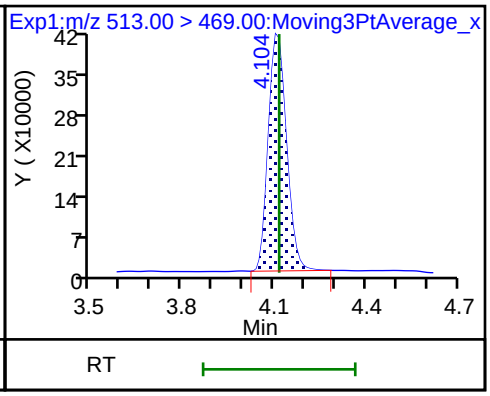
68 Perfluorononanesulfonic acid



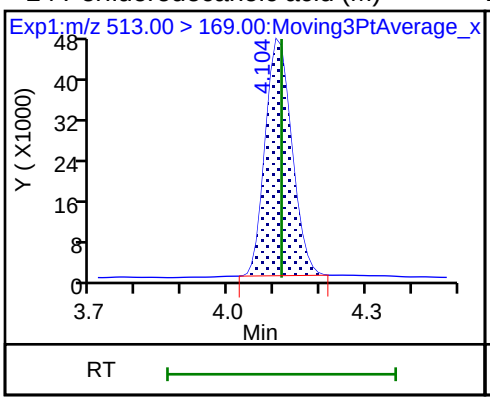
68 Perfluorononanesulfonic acid (M)



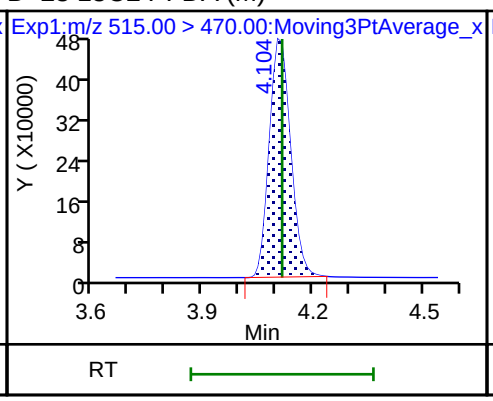
24 Perfluorodecanoic acid



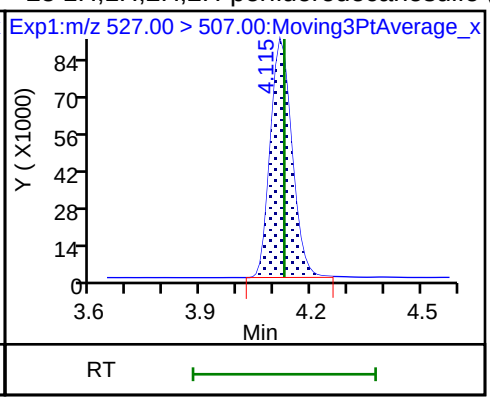
24 Perfluorodecanoic acid (M)



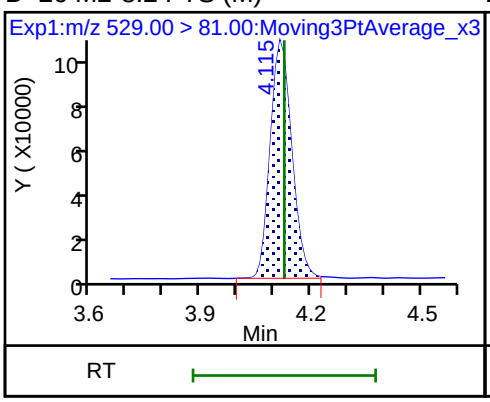
D 23 13C2 PFDA (M)



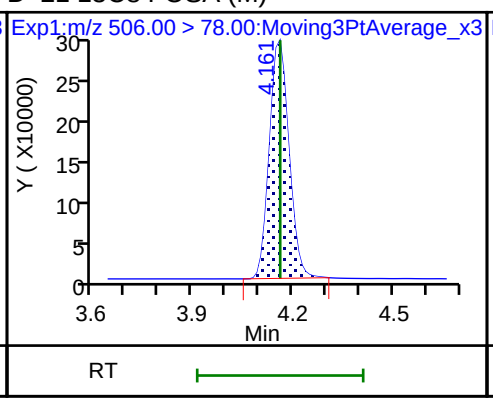
25 1H,1H,2H,2H-perfluorodecanesulfo (M)



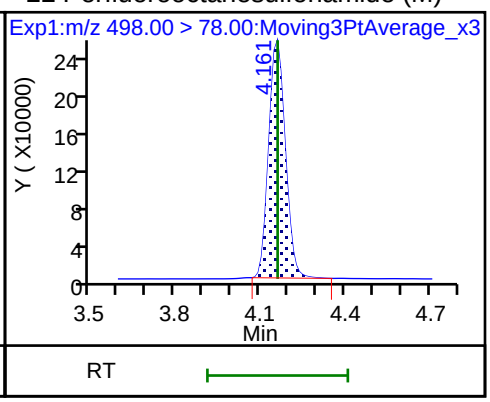
D 26 M2-8:2 FTS (M)



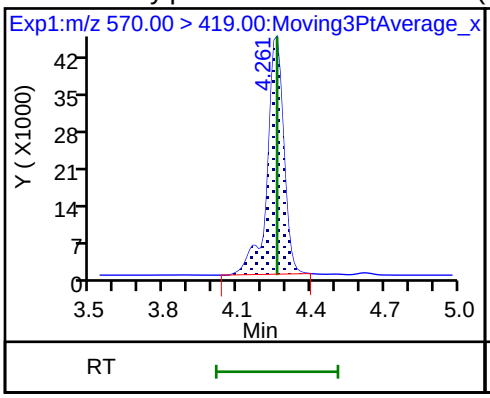
D 21 13C8 FOSA (M)



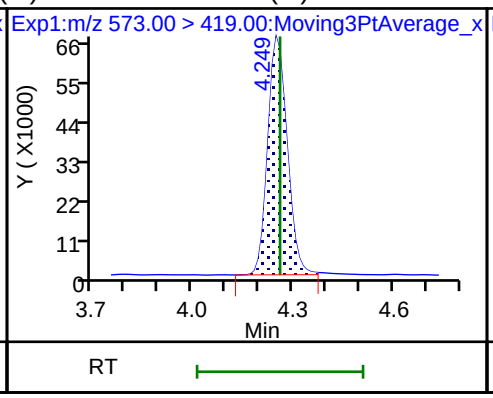
22 Perfluorooctanesulfonamide (M)



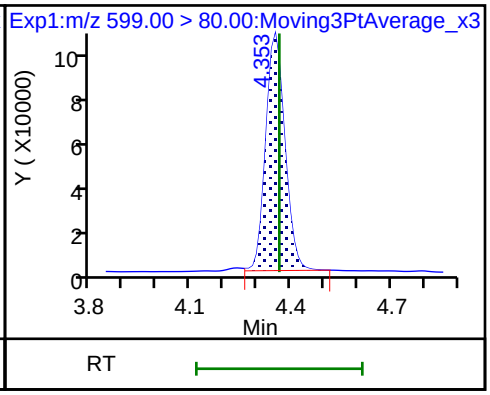
28 N-methylperfluorooctanesulfonami (M)



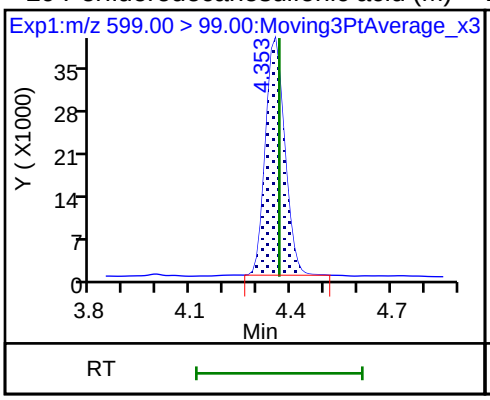
D 27 d3-NMeFOSAA (M)



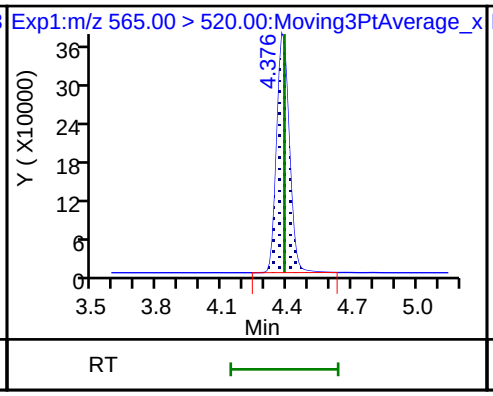
29 Perfluorodecanesulfonic acid



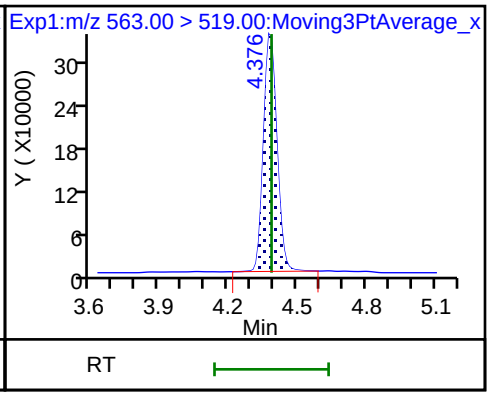
29 Perfluorodecanesulfonic acid (M)



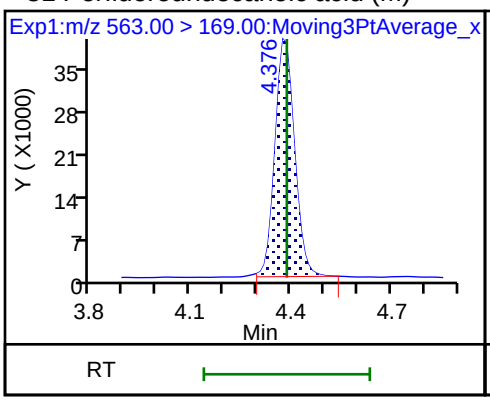
D 30 13C2 PFUnA



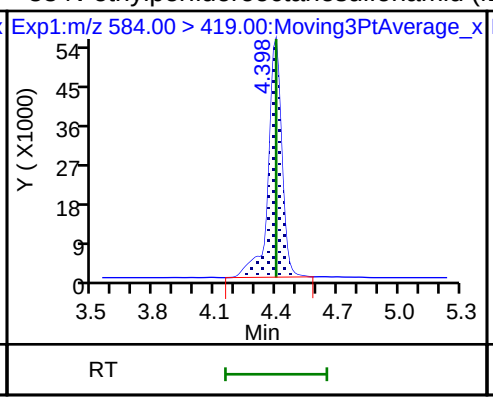
31 Perfluoroundecanoic acid



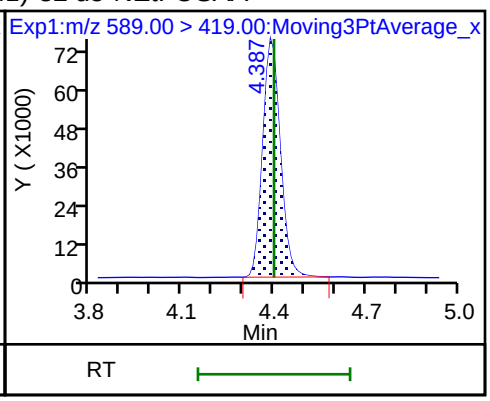
31 Perfluoroundecanoic acid (M)



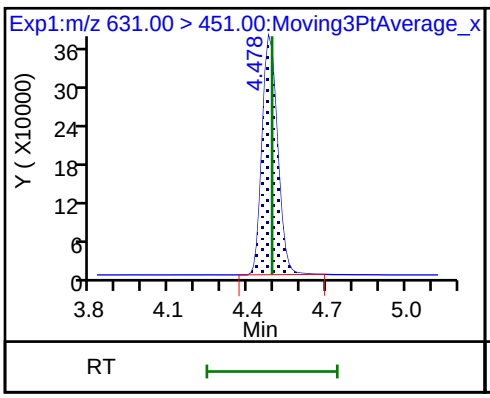
33 N-ethylperfluorooctanesulfonamid (M)



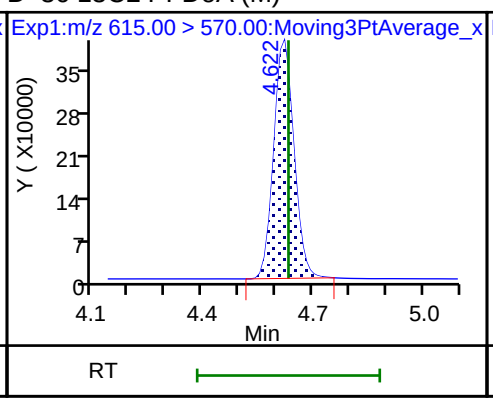
D 32 d5-NEtFOSAA



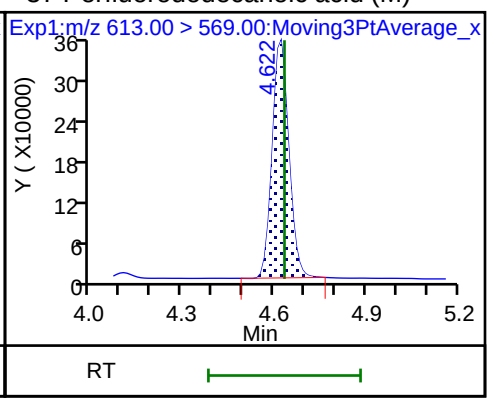
66 11-Chloroeicosafluoro-3-oxaundec



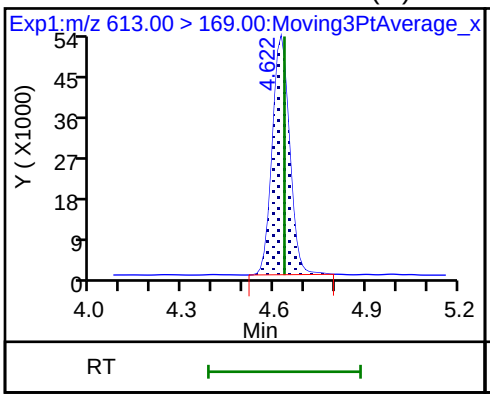
D 36 13C2 PFDoA (M)



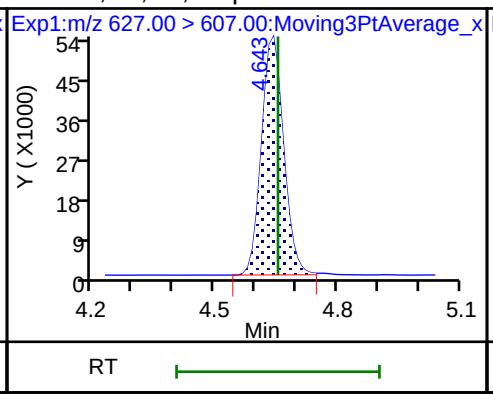
37 Perfluorododecanoic acid (M)



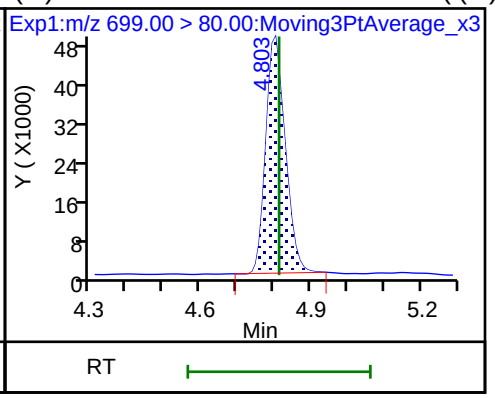
37 Perfluorododecanoic acid (M)



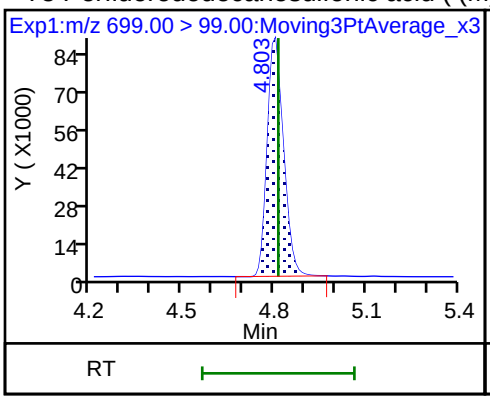
74 1H,1H,2H,2H-perfluorododecanesul (M)



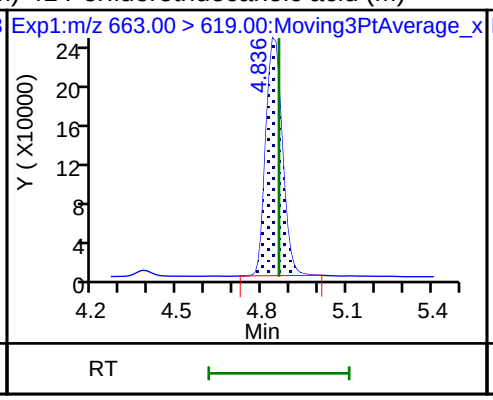
75 Perfluorododecanesulfonic acid ((M)



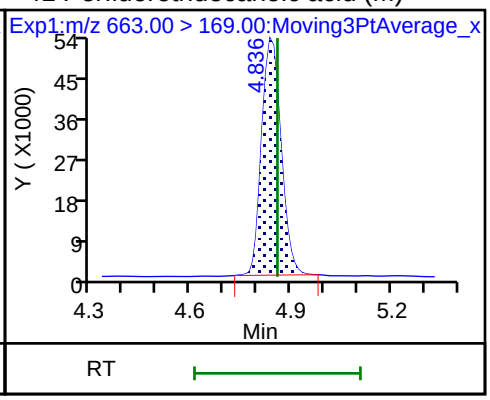
75 Perfluorododecanesulfonic acid ((M)



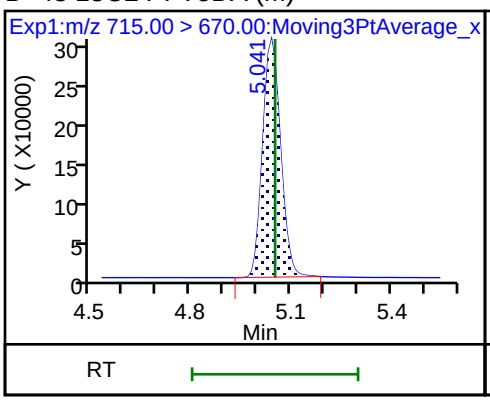
41 Perfluorotridecanoic acid (M)



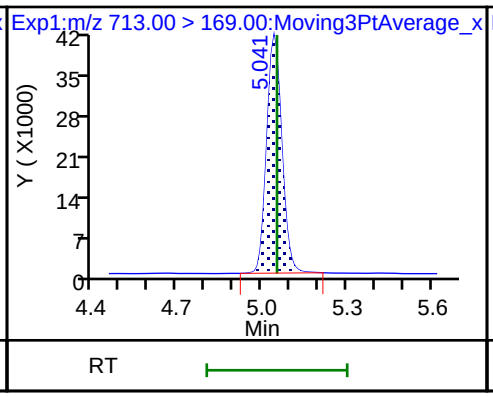
41 Perfluorotridecanoic acid (M)



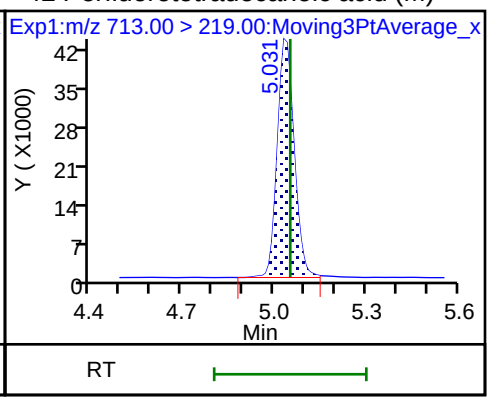
D 43 13C2 PFTeDA (M)



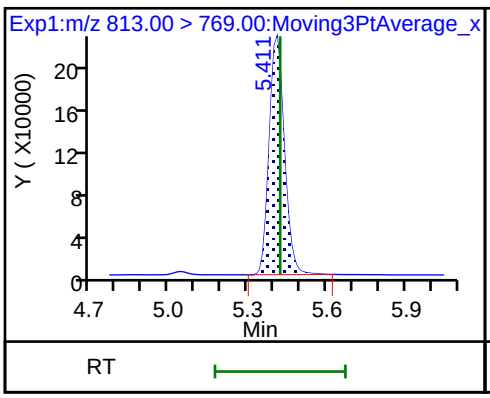
42 Perfluorotetradecanoic acid



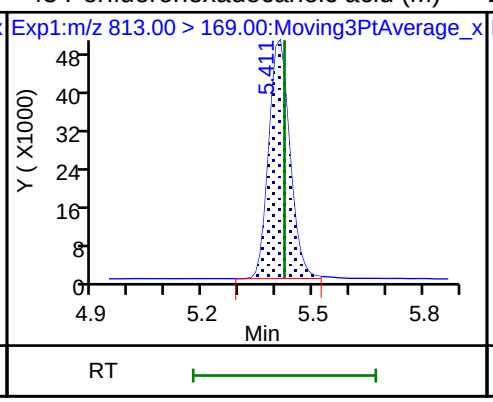
42 Perfluorotetradecanoic acid (M)



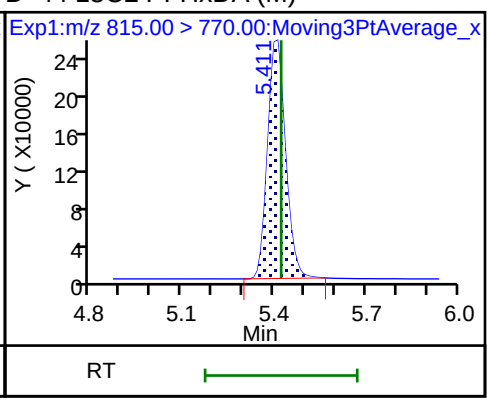
45 Perfluorohexadecanoic acid



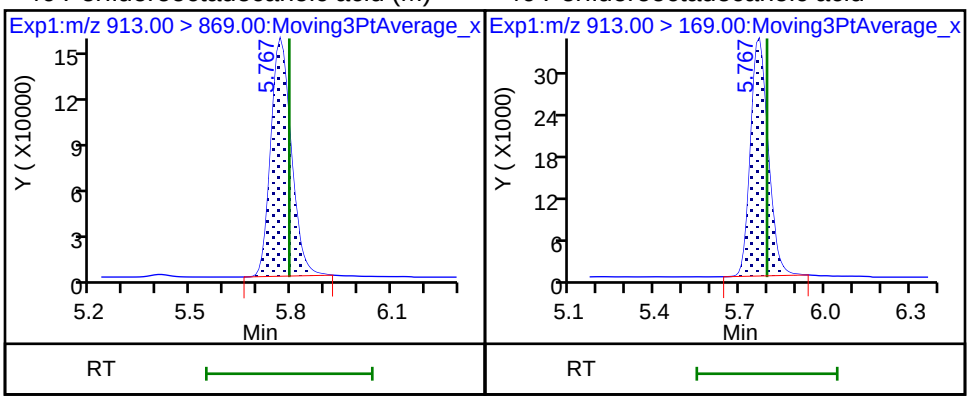
45 Perfluorohexadecanoic acid (M)



D 44 13C2 PFHxDA (M)



46 Perfluorooctadecanoic acid (M) 46 Perfluorooctadecanoic acid



Manual Integration/User Assign Peak Report

Eurofins Burlington

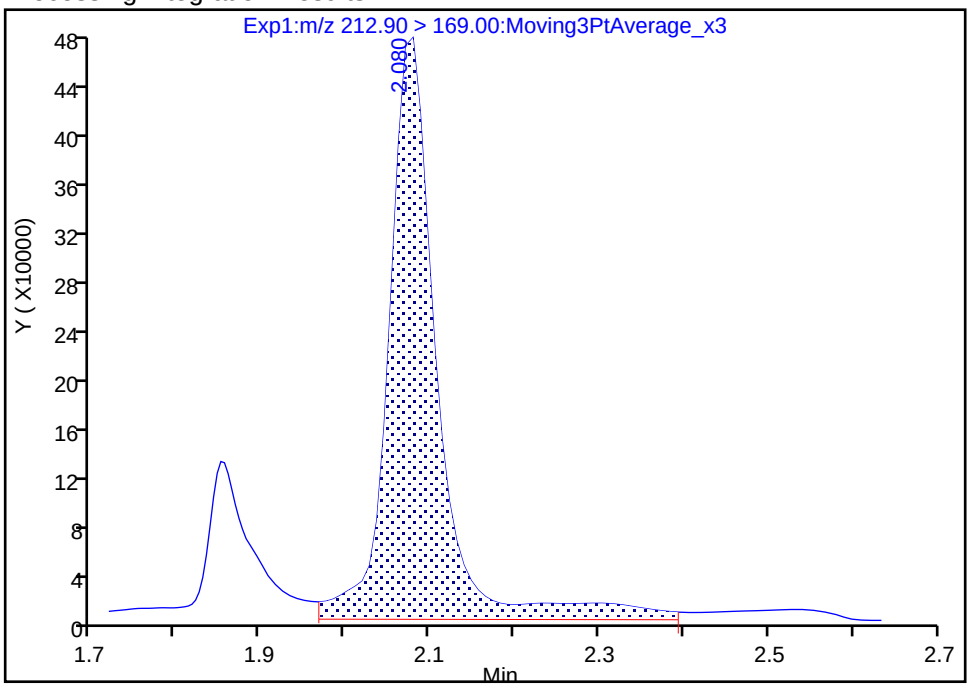
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Injection Date:	04-Aug-2022 14:33:53	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-E MS				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

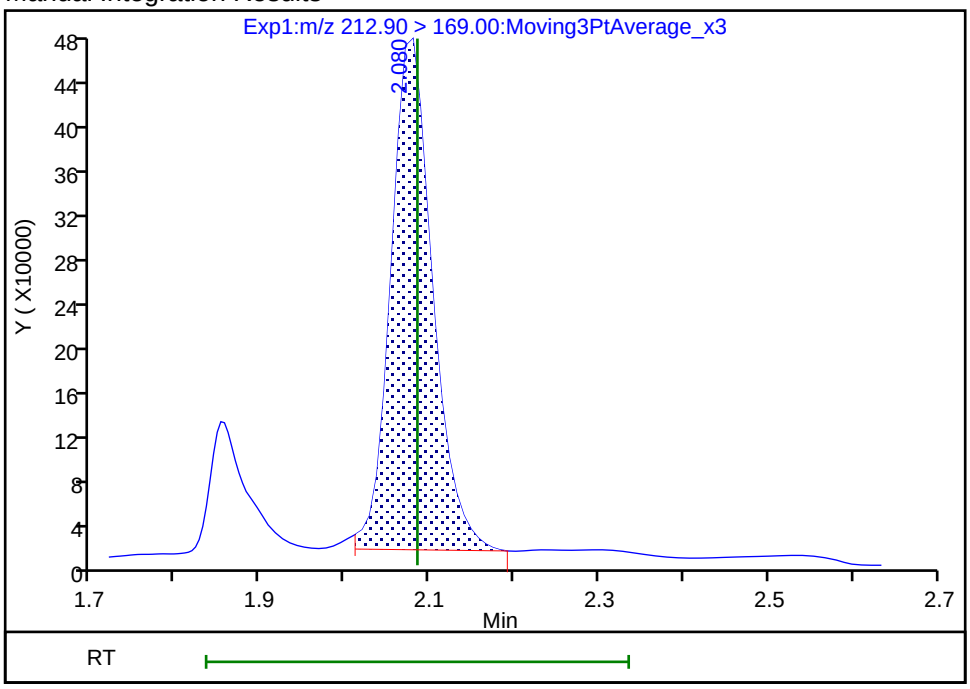
Processing Integration Results

RT: 2.08
Area: 1909402
Amount: 1.246971
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 1581456
Amount: 1.034763
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:12:01

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

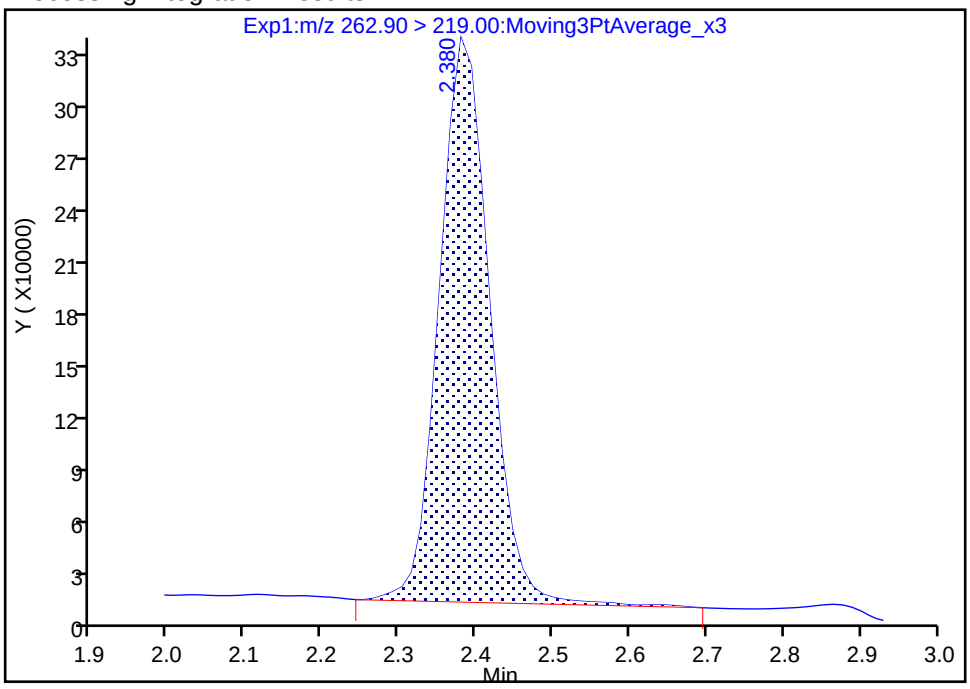
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B05.d
Injection Date: 04-Aug-2022 14:33:53 Instrument ID: LC812
Lims ID: 460-262622-A-5-E MS
Client ID: BDS-20P
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

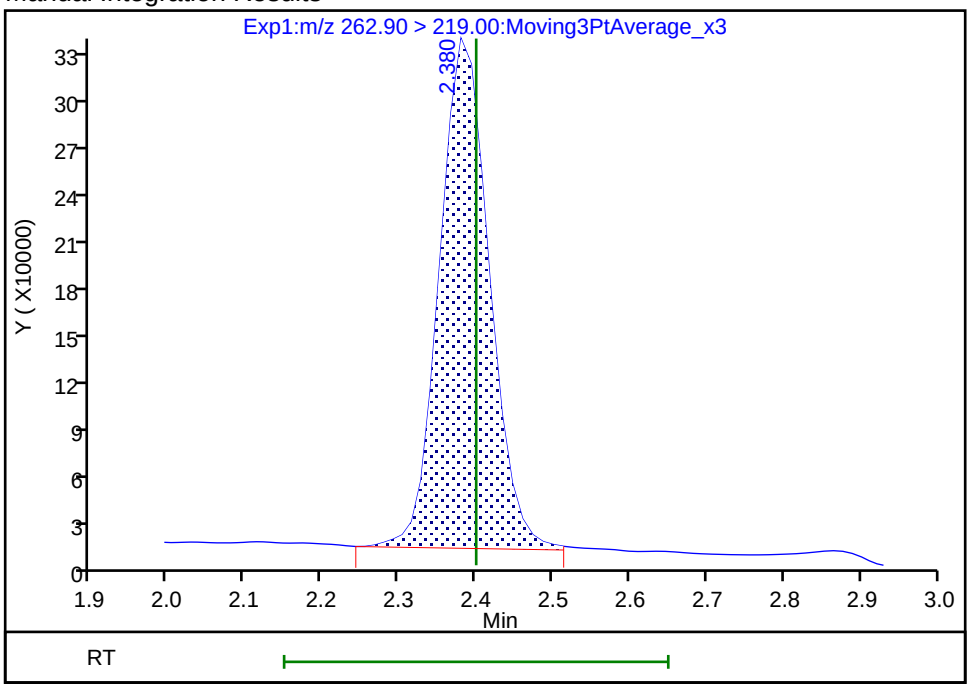
Processing Integration Results

RT: 2.38
Area: 1463267
Amount: 1.084983
Amount Units: ng/ml



Manual Integration Results

RT: 2.38
Area: 1446032
Amount: 1.072203
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:55:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

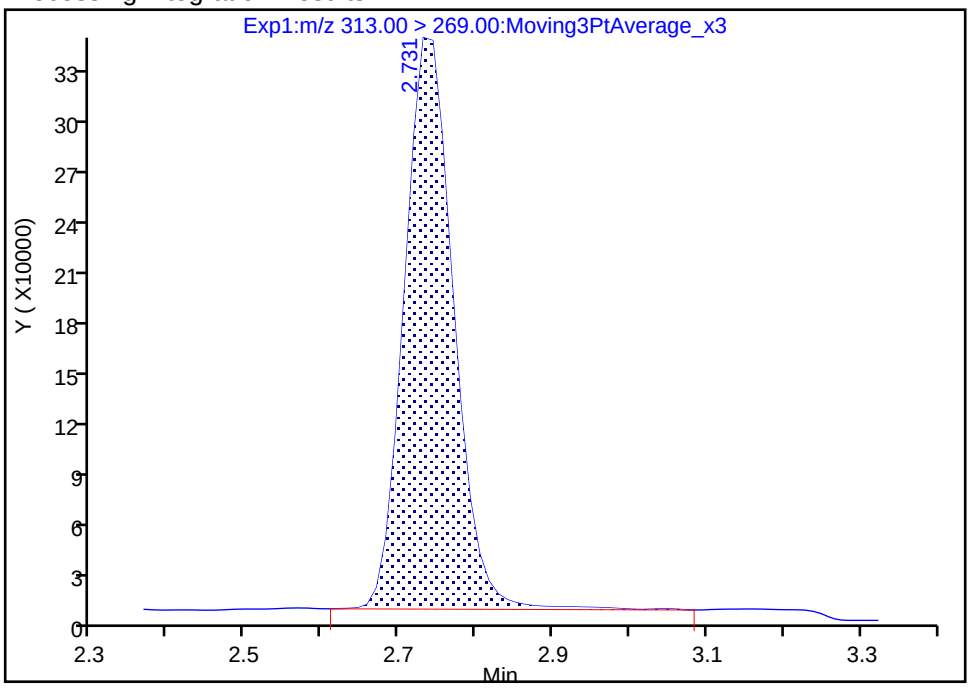
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B05.d				
Injection Date:	04-Aug-2022 14:33:53	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-E MS				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 1

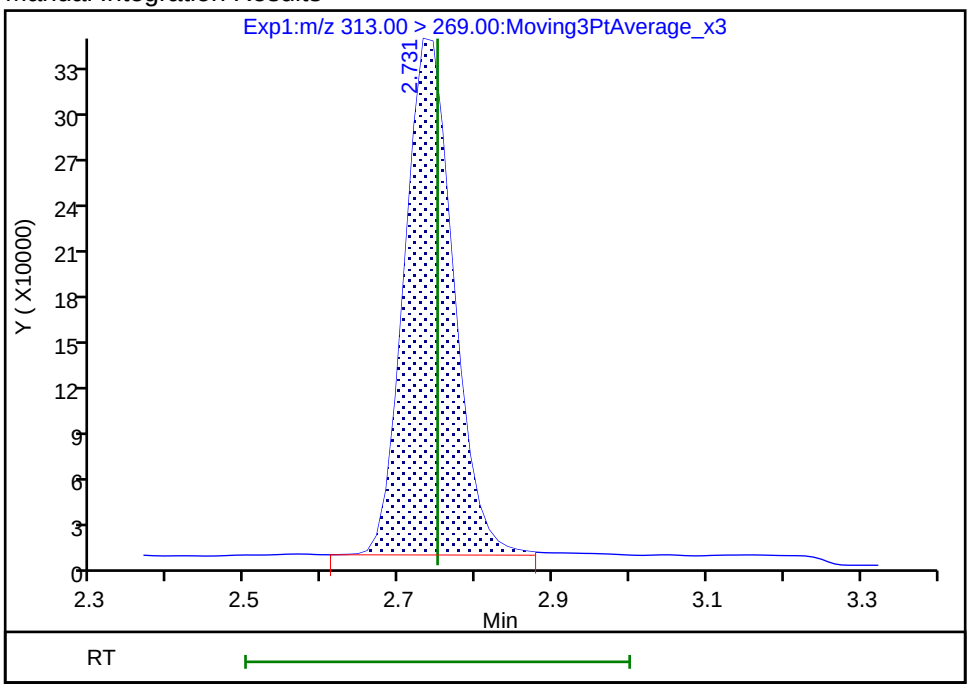
Processing Integration Results

RT: 2.73
Area: 1511261
Amount: 1.111726
Amount Units: ng/ml



Manual Integration Results

RT: 2.73
Area: 1498287
Amount: 1.102182
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:56:06

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

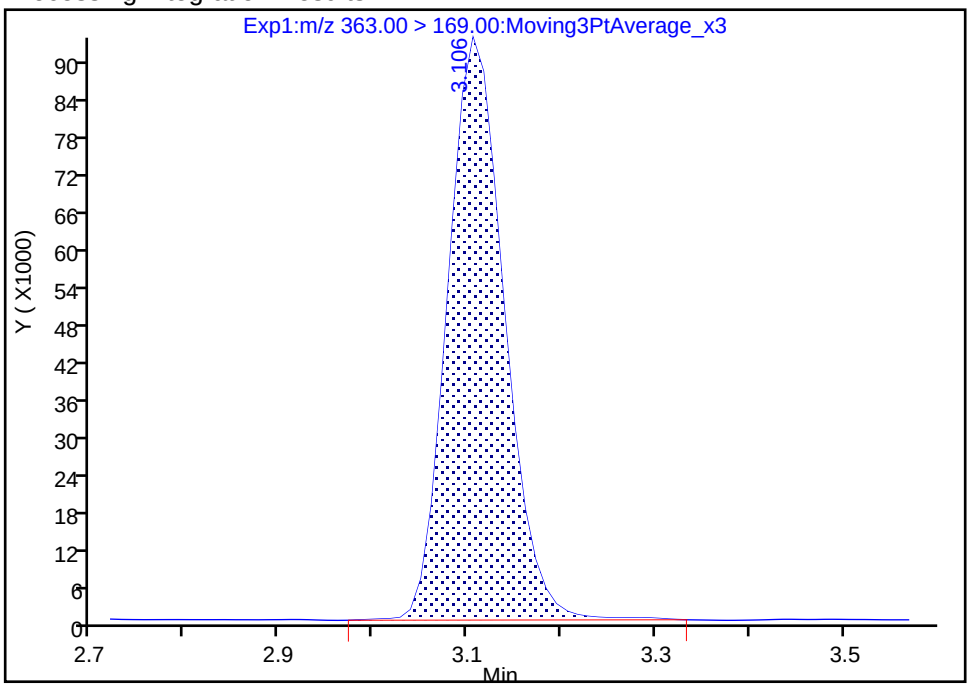
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Injection Date:	04-Aug-2022 14:33:53	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-E MS				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 2

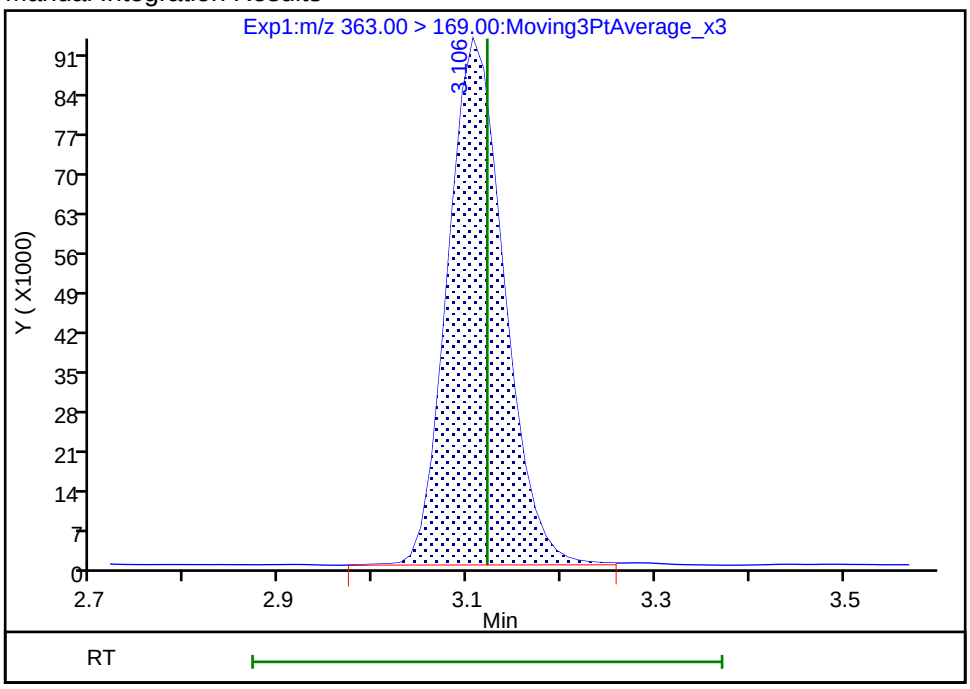
Processing Integration Results

RT: 3.11
Area: 390603
Amount: 1.132881
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 389599
Amount: 1.059424
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:56:39

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

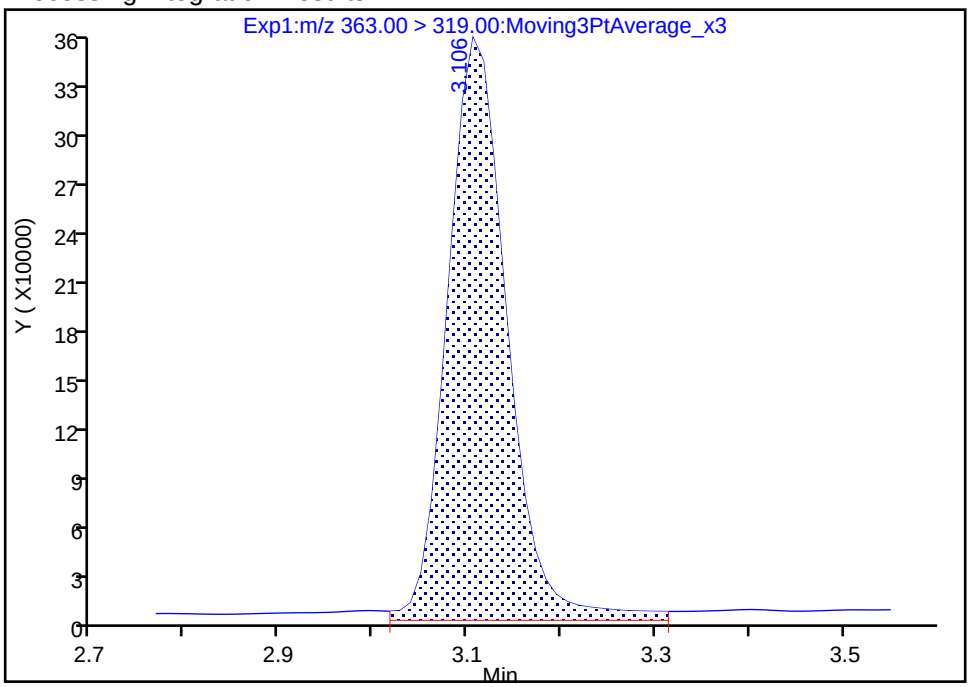
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B05.d
Injection Date: 04-Aug-2022 14:33:53 Instrument ID: LC812
Lims ID: 460-262622-A-5-E MS
Client ID: BDS-20P
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

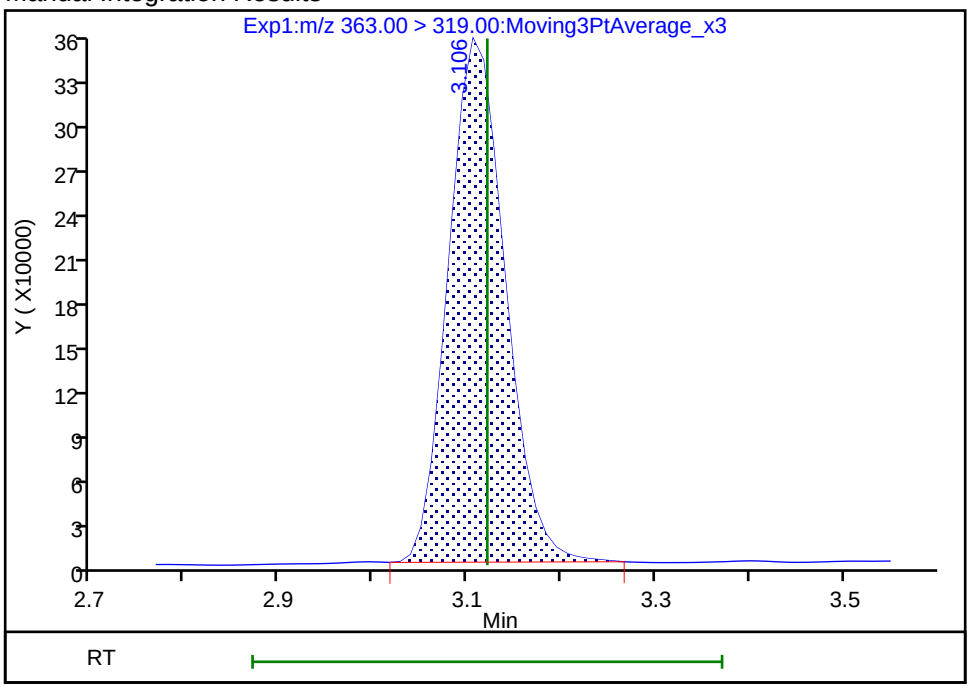
Processing Integration Results

RT: 3.11
Area: 1559308
Amount: 1.132881
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 1458201
Amount: 1.059424
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:56:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

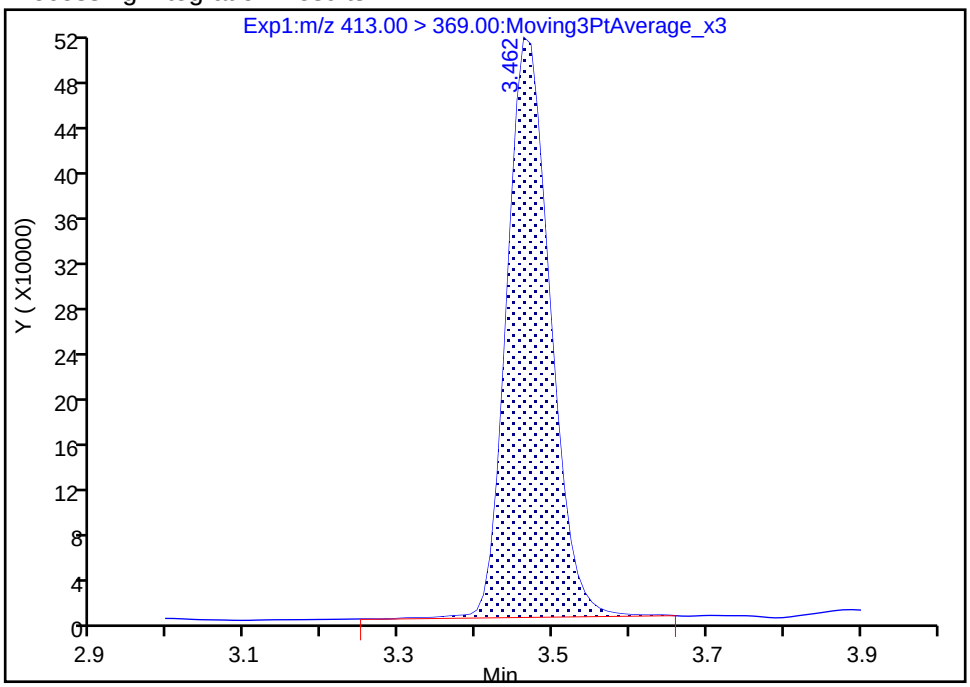
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Injection Date:	04-Aug-2022 14:33:53	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-E MS				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

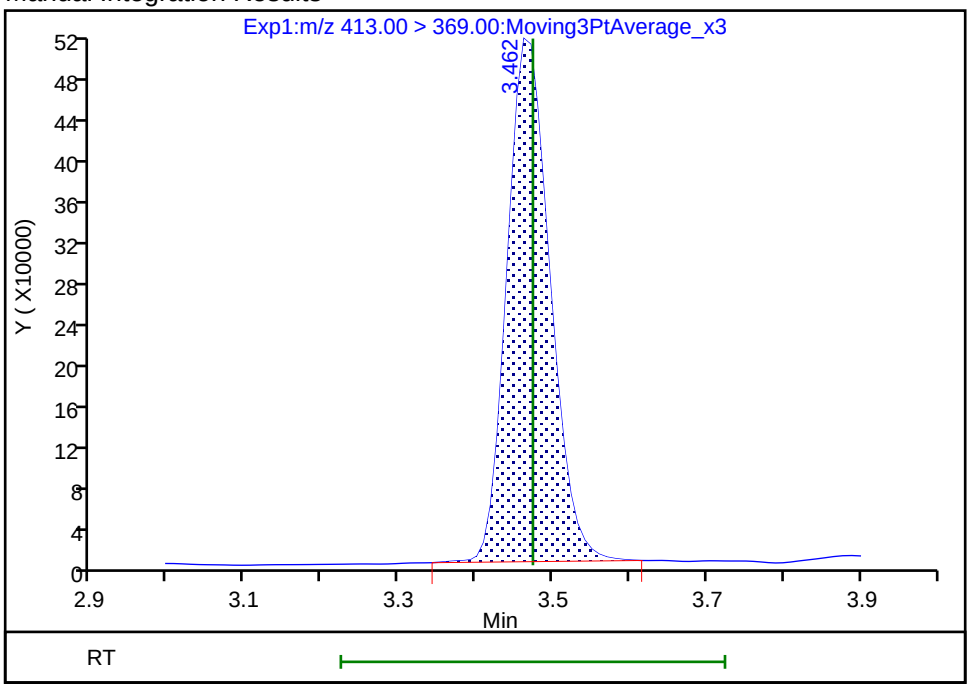
Processing Integration Results

RT: 3.46
Area: 1971342
Amount: 1.252679
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 1953209
Amount: 1.241157
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:57:04

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

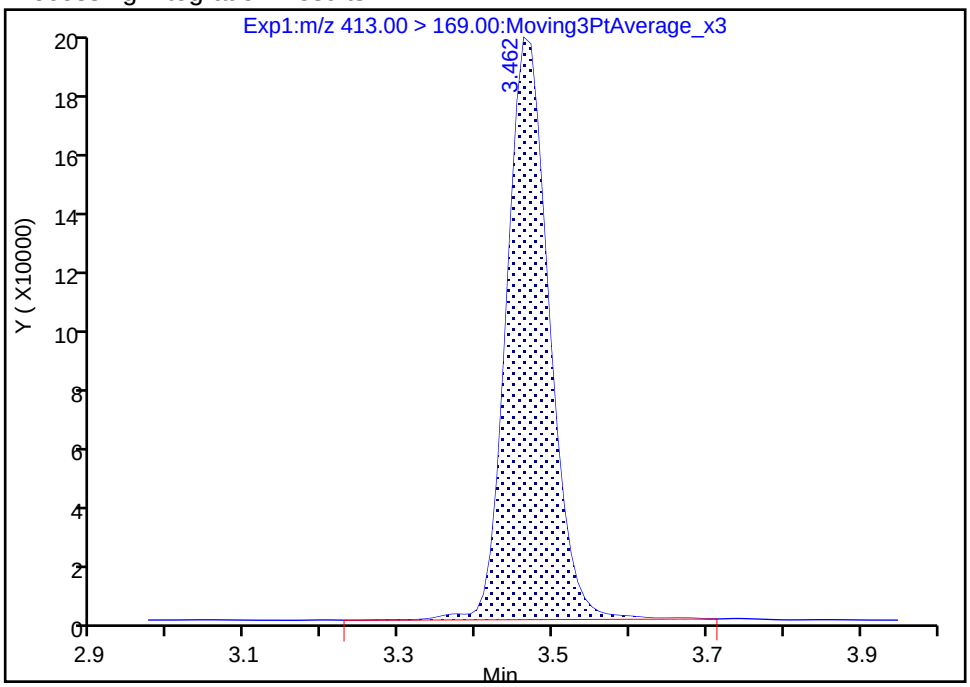
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B05.d				
Injection Date:	04-Aug-2022 14:33:53	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-E MS				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

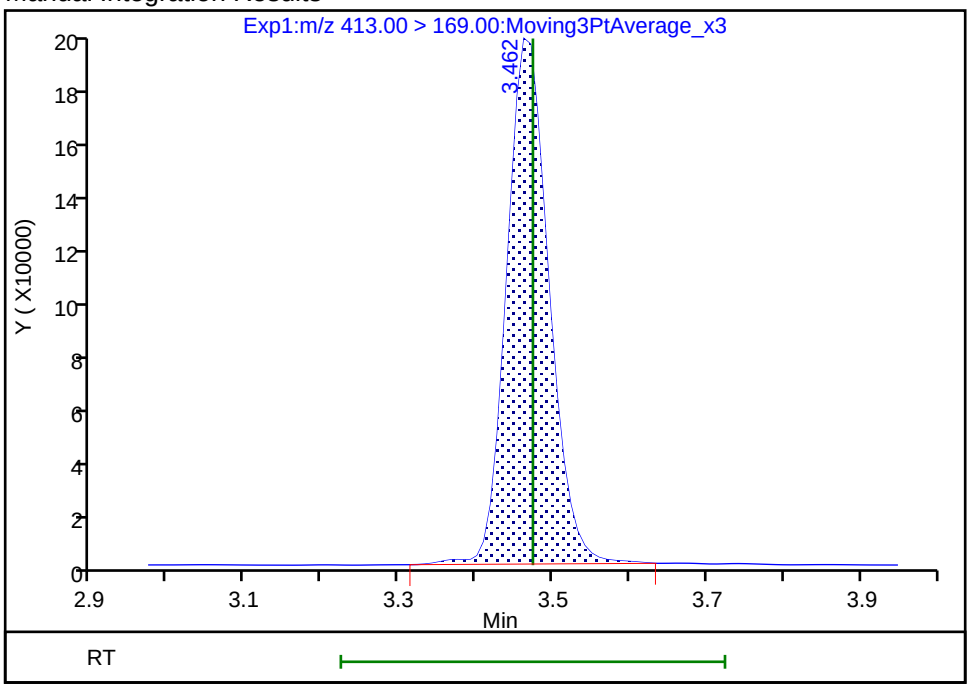
Processing Integration Results

RT: 3.46
Area: 736505
Amount: 1.252679
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 731037
Amount: 1.241157
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:57:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

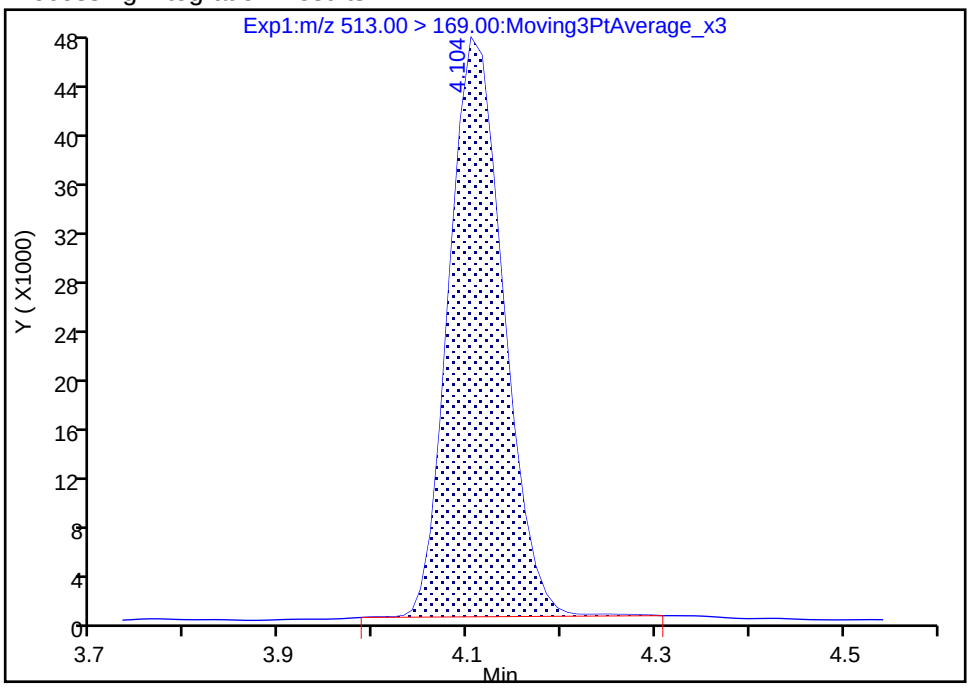
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B05.d				
Injection Date:	04-Aug-2022 14:33:53	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-E MS				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

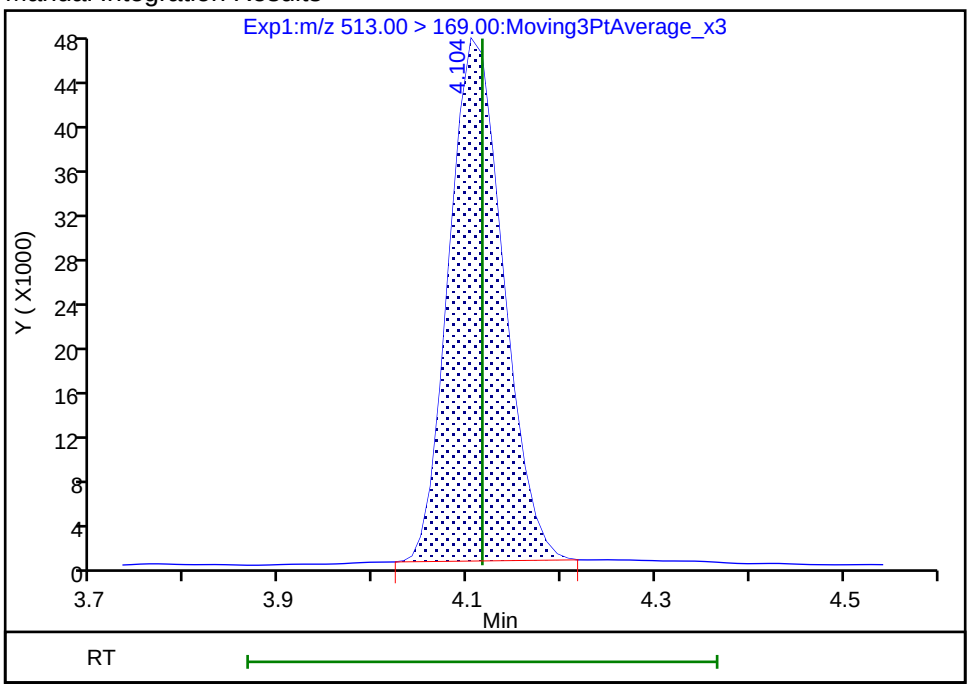
Processing Integration Results

RT: 4.10
Area: 192049
Amount: 1.045157
Amount Units: ng/ml



Manual Integration Results

RT: 4.10
Area: 190316
Amount: 1.055175
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:57:58

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

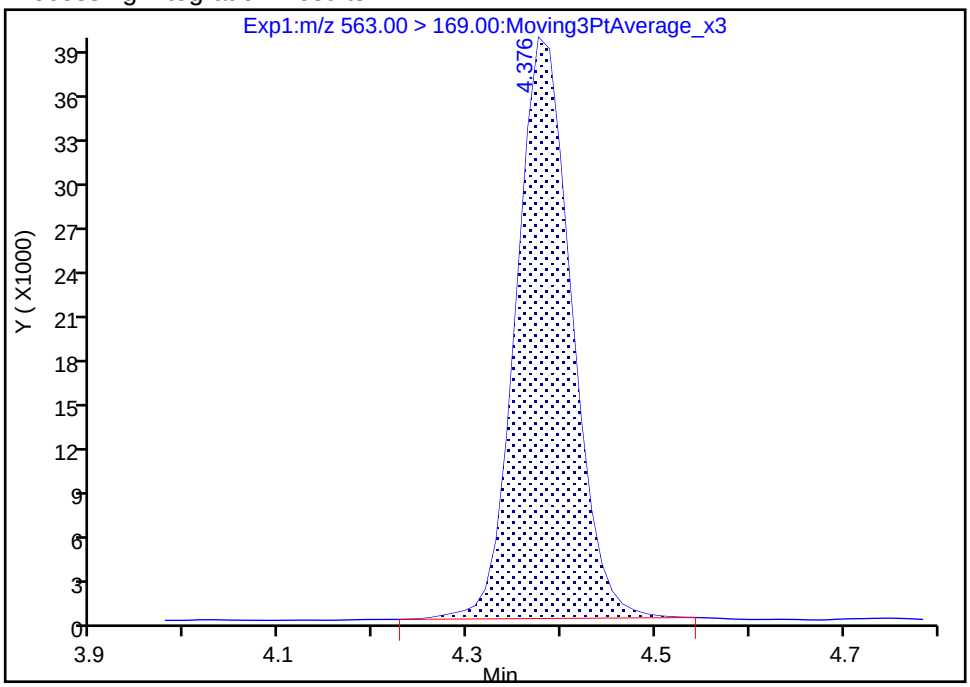
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B05.d				
Injection Date:	04-Aug-2022 14:33:53	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-E MS				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

31 Perfluoroundecanoic acid, CAS: 2058-94-8

Signal: 2

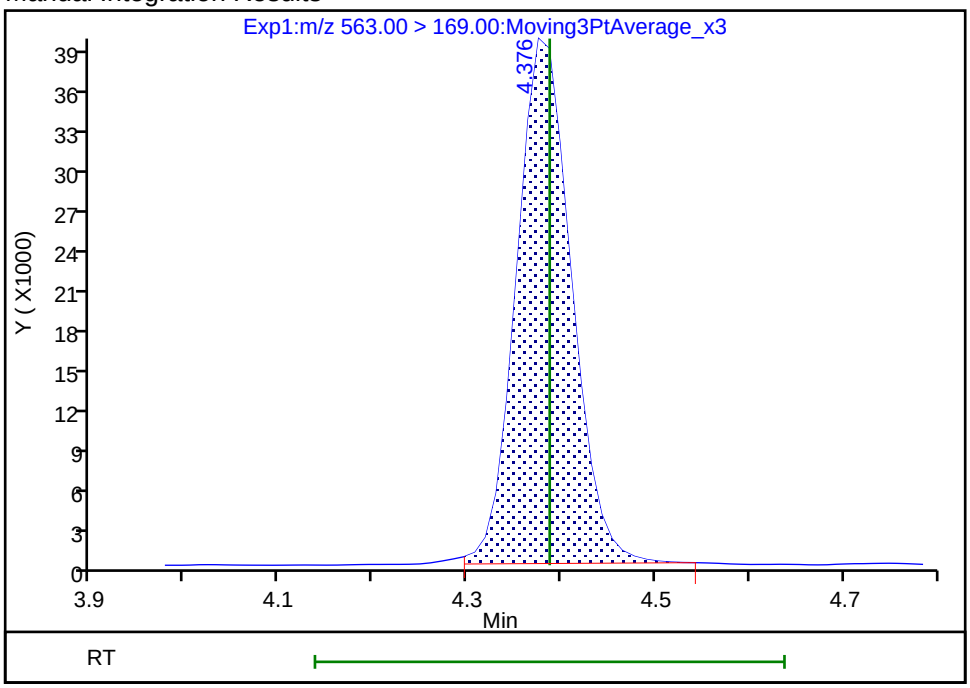
Processing Integration Results

RT: 4.38
Area: 160412
Amount: 1.062374
Amount Units: ng/ml



Manual Integration Results

RT: 4.38
Area: 159684
Amount: 1.062374
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:13:16

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

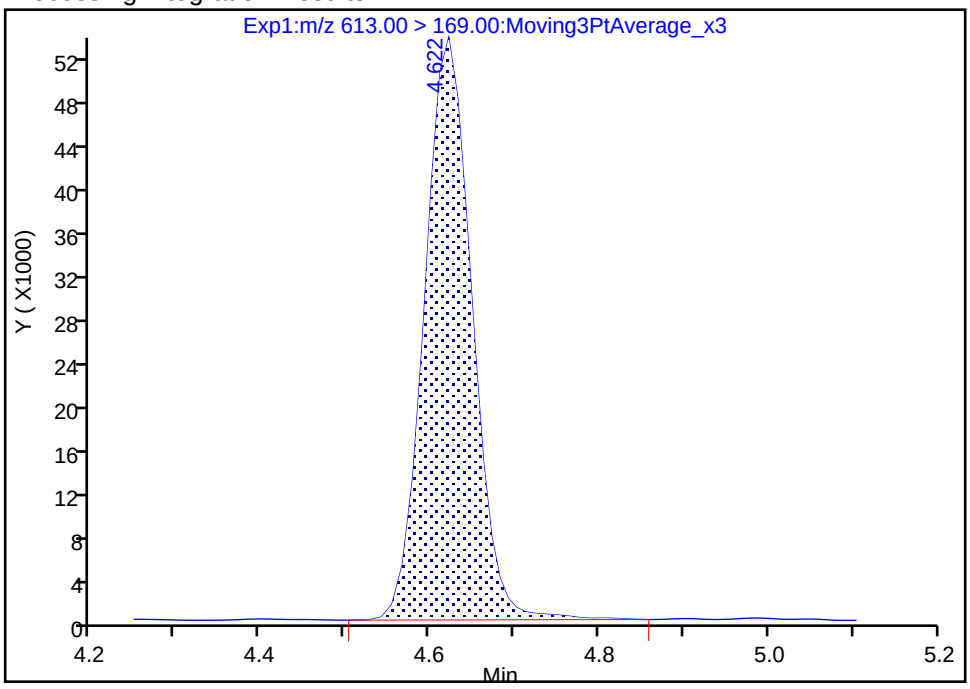
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Injection Date:	04-Aug-2022 14:33:53	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-E MS				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

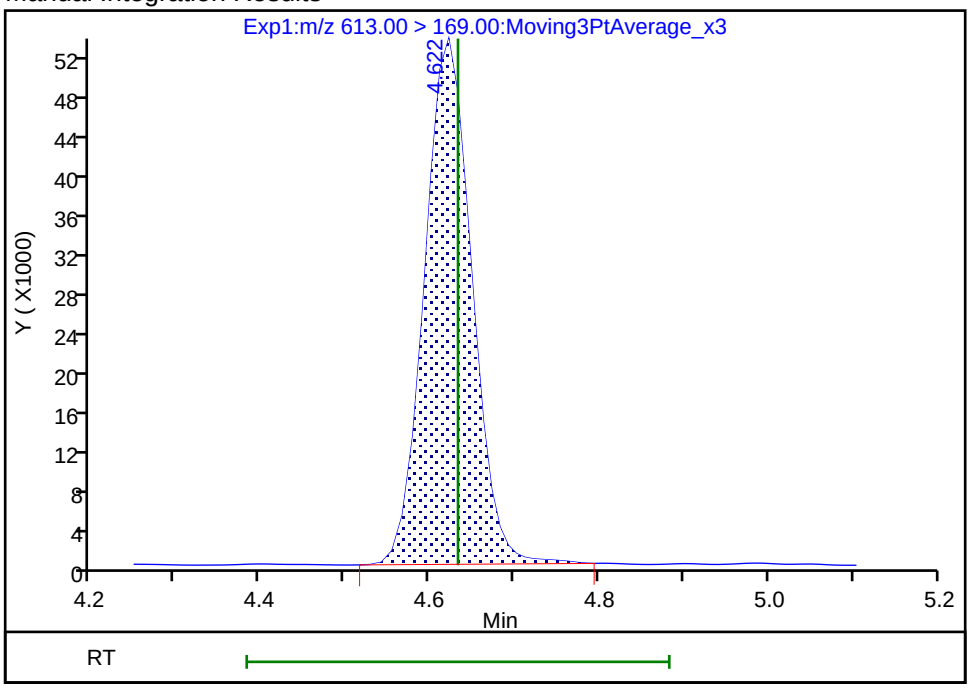
Processing Integration Results

RT: 4.62
Area: 207011
Amount: 1.106112
Amount Units: ng/ml



Manual Integration Results

RT: 4.62
Area: 205674
Amount: 1.103492
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:58:44

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

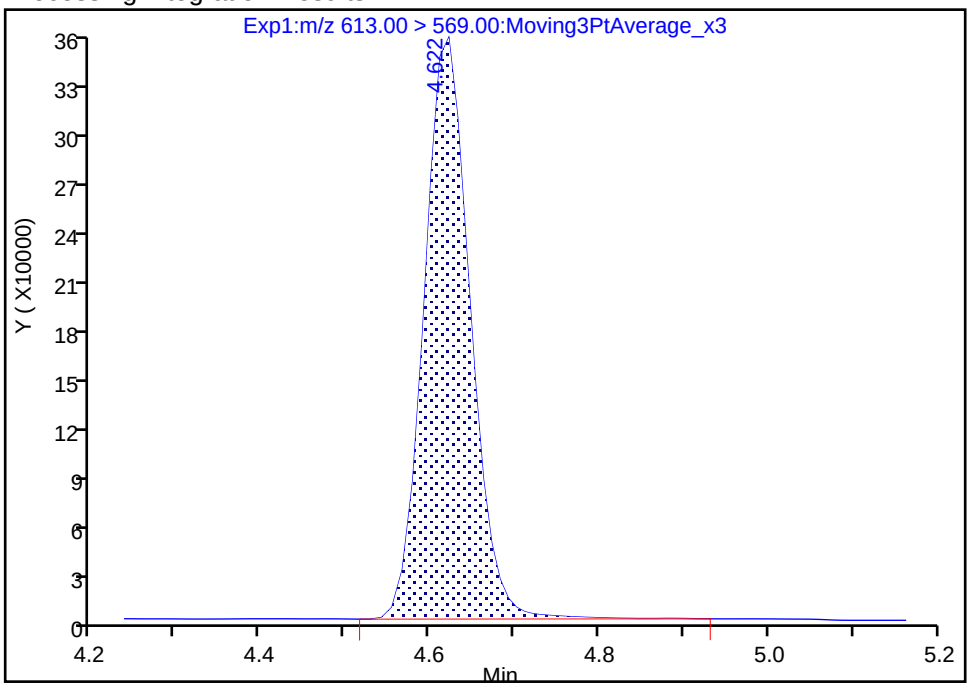
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B05.d				
Injection Date:	04-Aug-2022 14:33:53	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-E MS				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

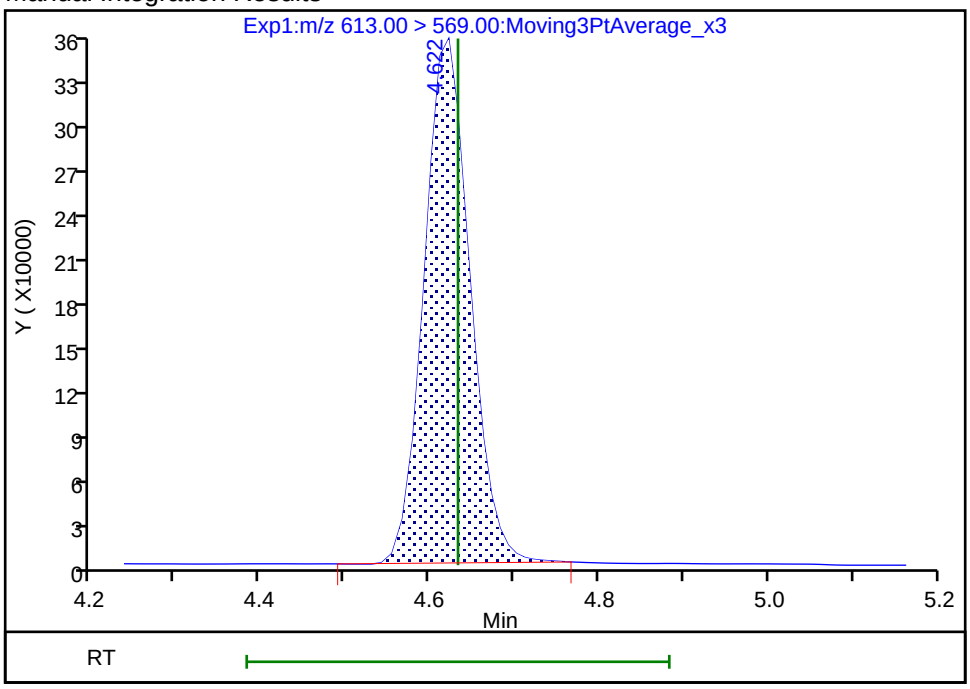
Processing Integration Results

RT: 4.62
Area: 1362553
Amount: 1.106112
Amount Units: ng/ml



Manual Integration Results

RT: 4.62
Area: 1345536
Amount: 1.103492
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:13:29
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

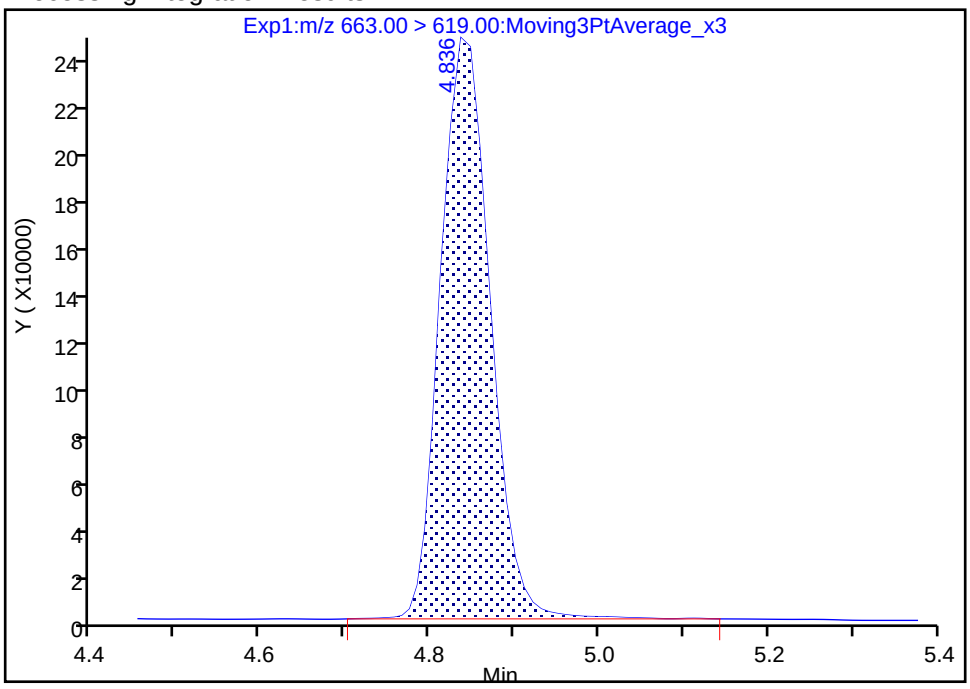
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B05.d				
Injection Date:	04-Aug-2022 14:33:53	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-E MS				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

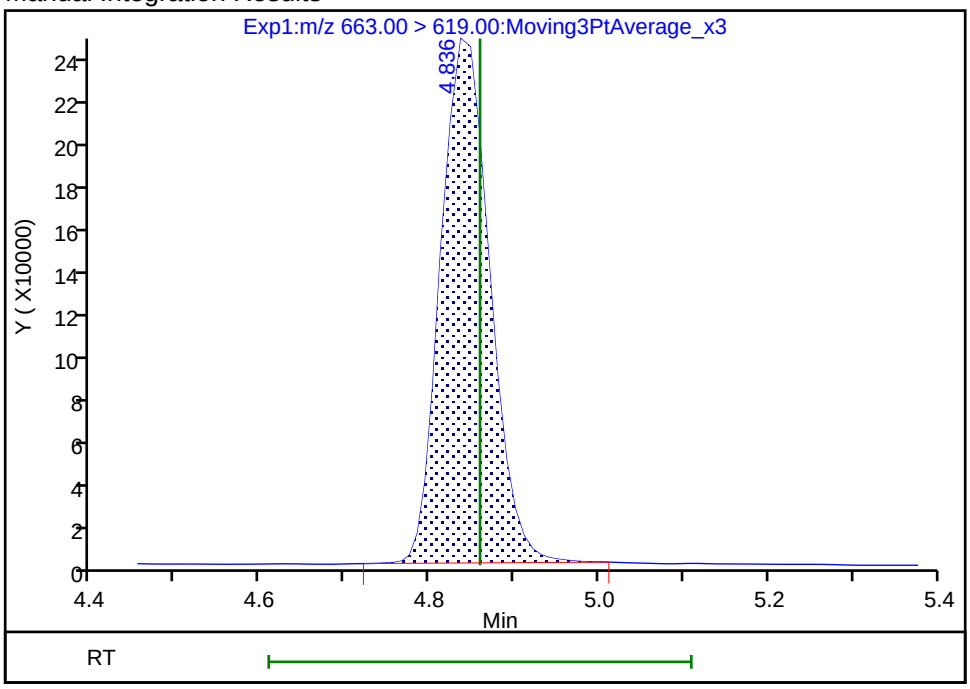
Processing Integration Results

RT: 4.84
Area: 985122
Amount: 0.922537
Amount Units: ng/ml



Manual Integration Results

RT: 4.84
Area: 974463
Amount: 0.921907
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:13:42

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

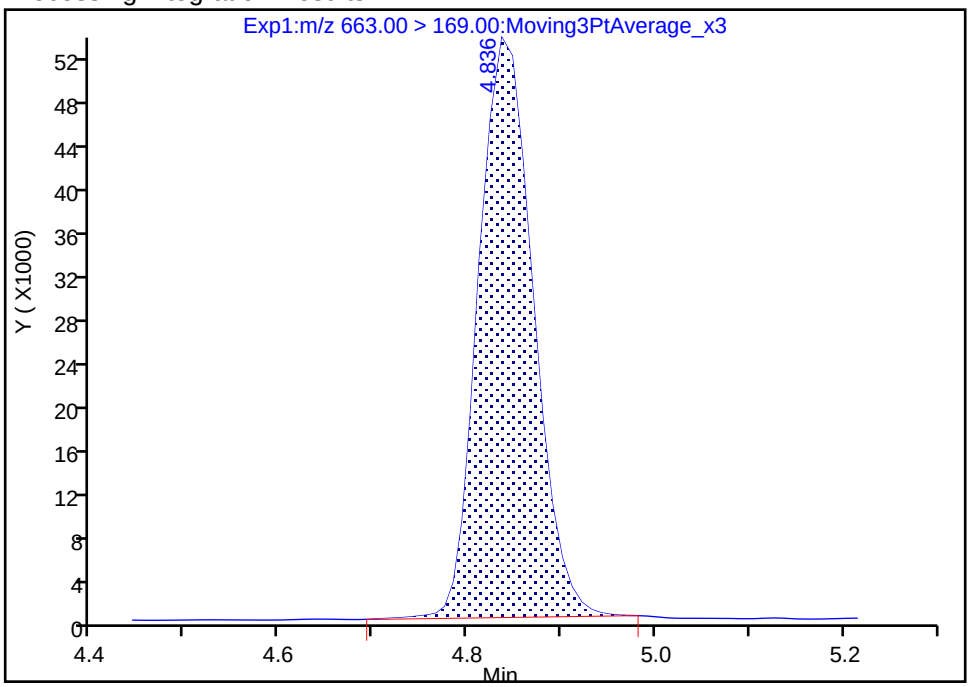
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B05.d				
Injection Date:	04-Aug-2022 14:33:53	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-E MS				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

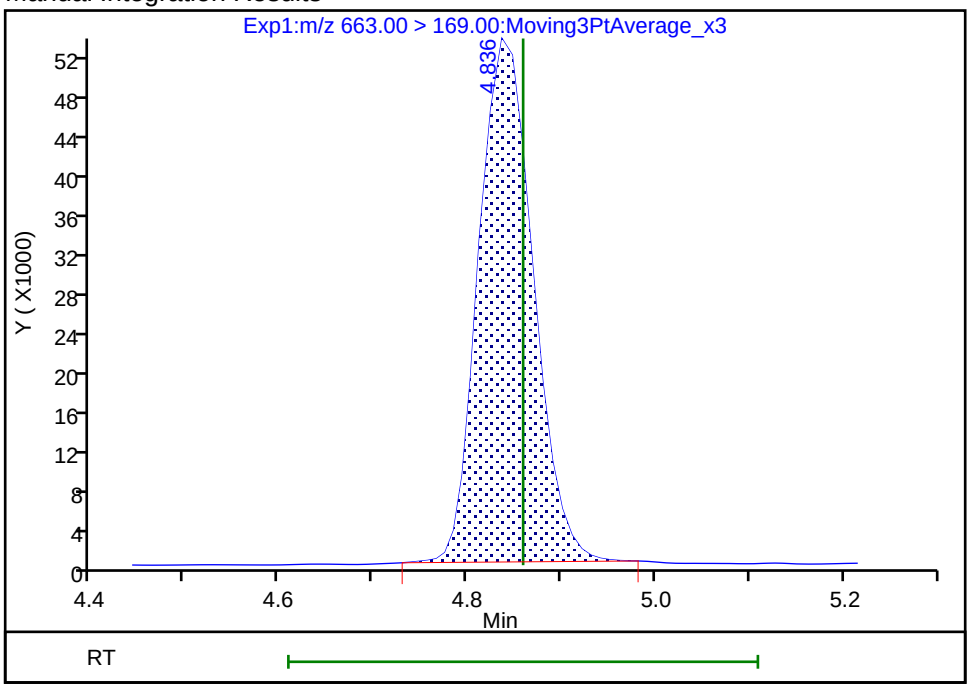
Processing Integration Results

RT: 4.84
Area: 216258
Amount: 0.922537
Amount Units: ng/ml



Manual Integration Results

RT: 4.84
Area: 215150
Amount: 0.921907
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:13:45

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

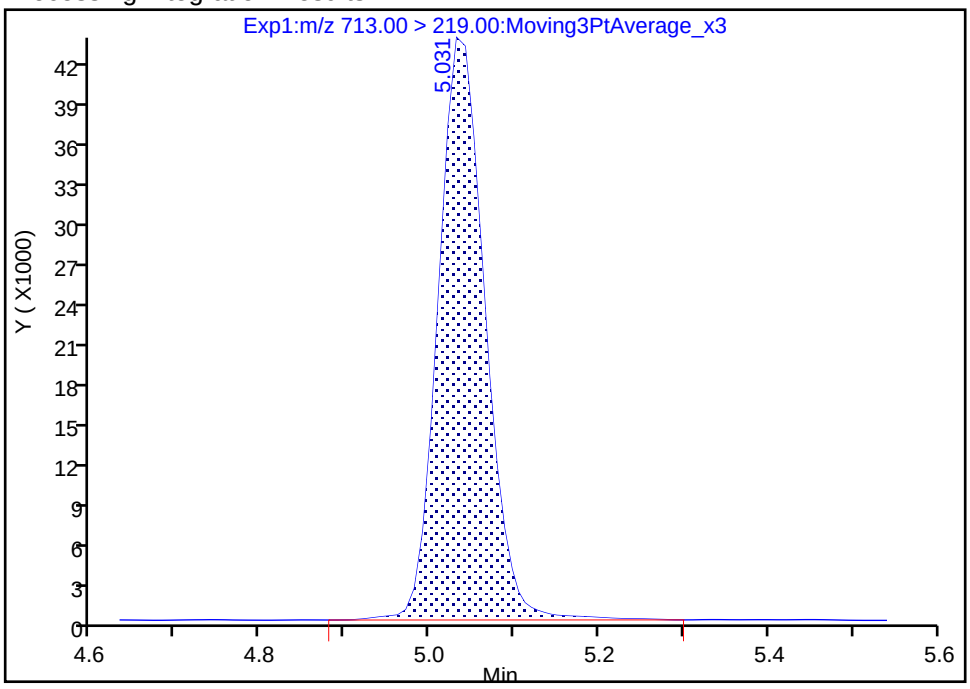
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B05.d				
Injection Date:	04-Aug-2022 14:33:53	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-E MS				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

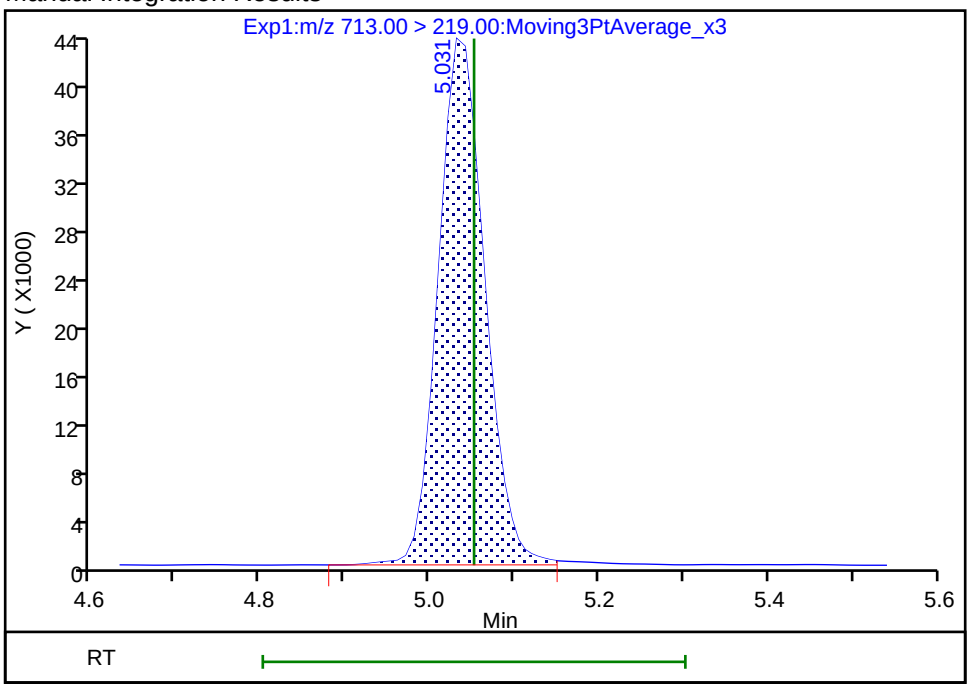
Processing Integration Results

RT: 5.03
Area: 167195
Amount: 1.052054
Amount Units: ng/ml



Manual Integration Results

RT: 5.03
Area: 166053
Amount: 1.064760
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:59:15
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

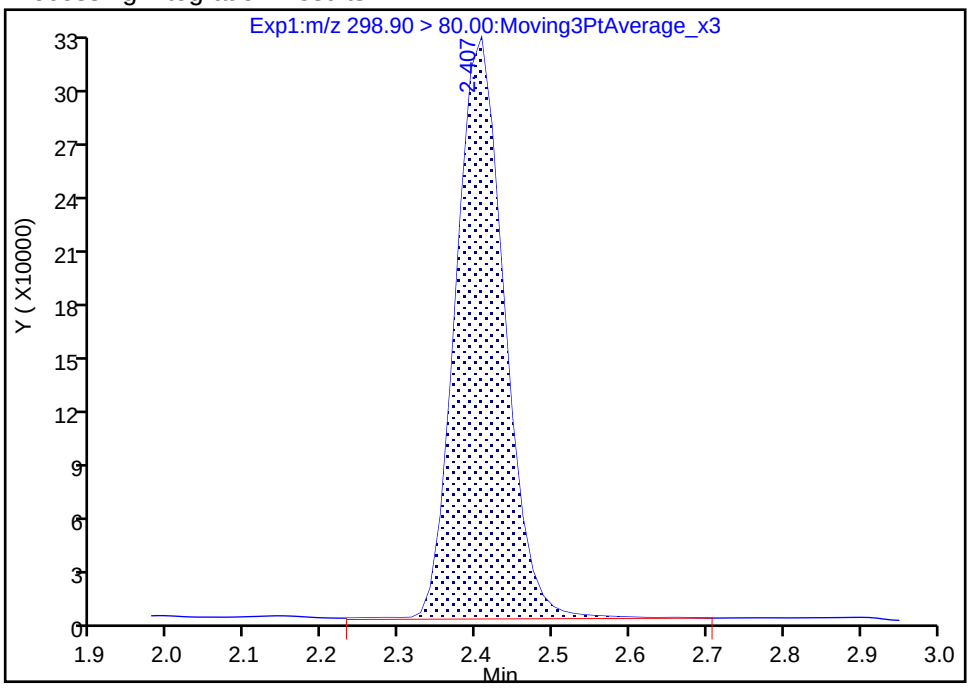
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B05.d				
Injection Date:	04-Aug-2022 14:33:53	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-E MS				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

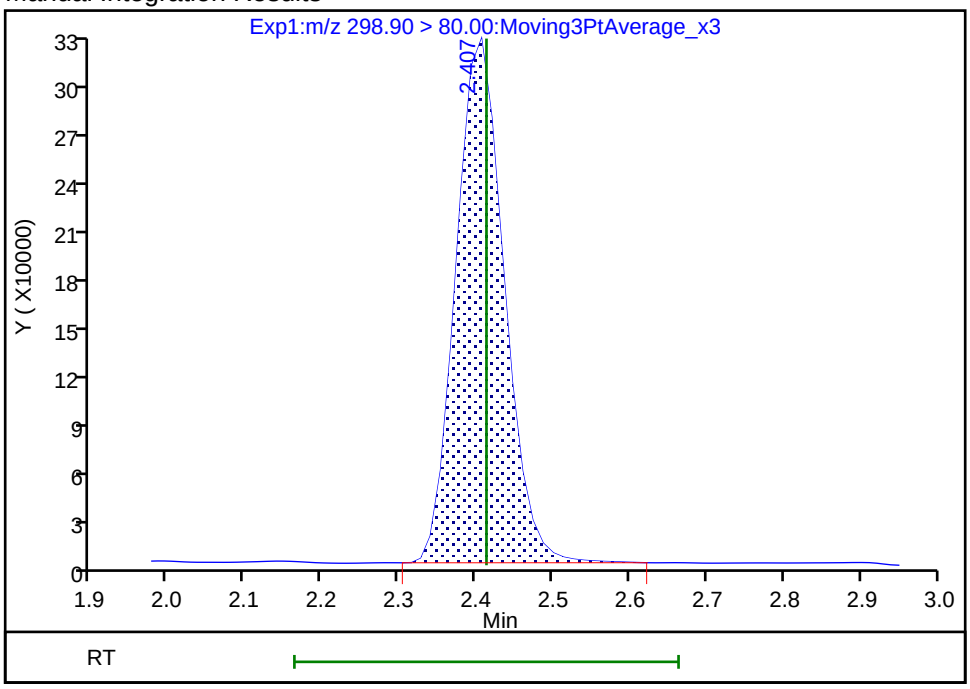
Processing Integration Results

RT: 2.41
Area: 1409130
Amount: 0.963609
Amount Units: ng/ml



Manual Integration Results

RT: 2.41
Area: 1391434
Amount: 0.951508
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:55:53

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

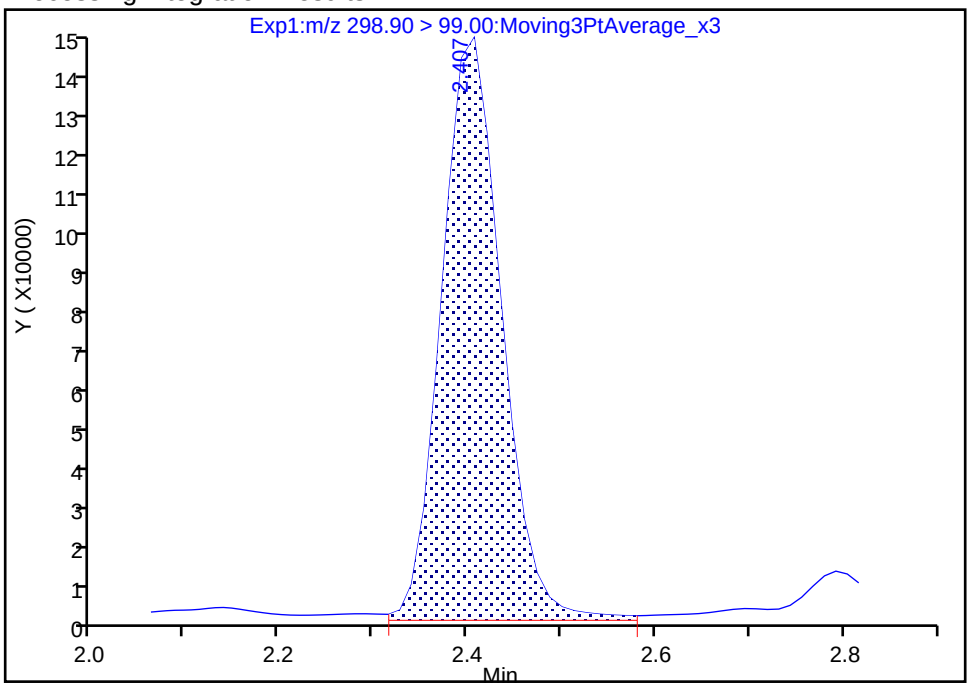
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B05.d				
Injection Date:	04-Aug-2022 14:33:53	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-E MS				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

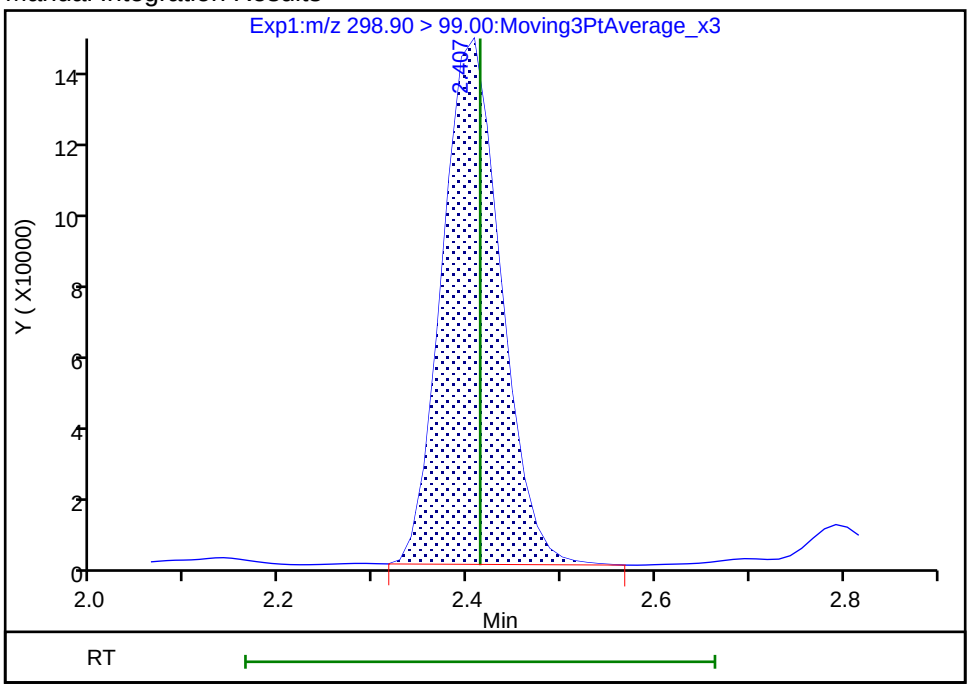
Processing Integration Results

RT: 2.41
Area: 662831
Amount: 0.963609
Amount Units: ng/ml



Manual Integration Results

RT: 2.41
Area: 641435
Amount: 0.951508
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:55:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

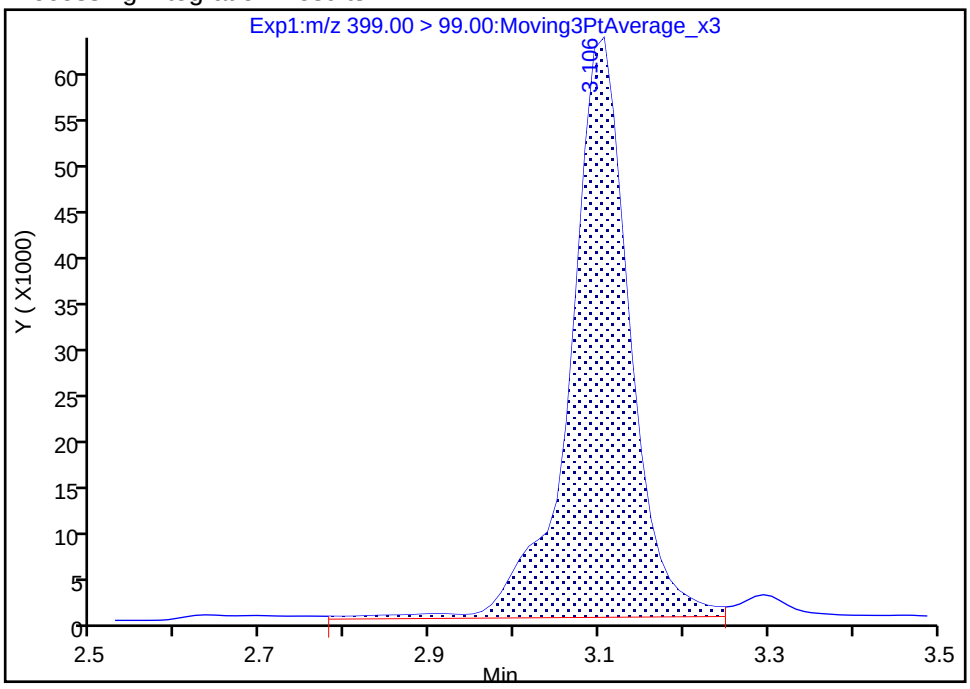
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B05.d				
Injection Date:	04-Aug-2022 14:33:53	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-E MS				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

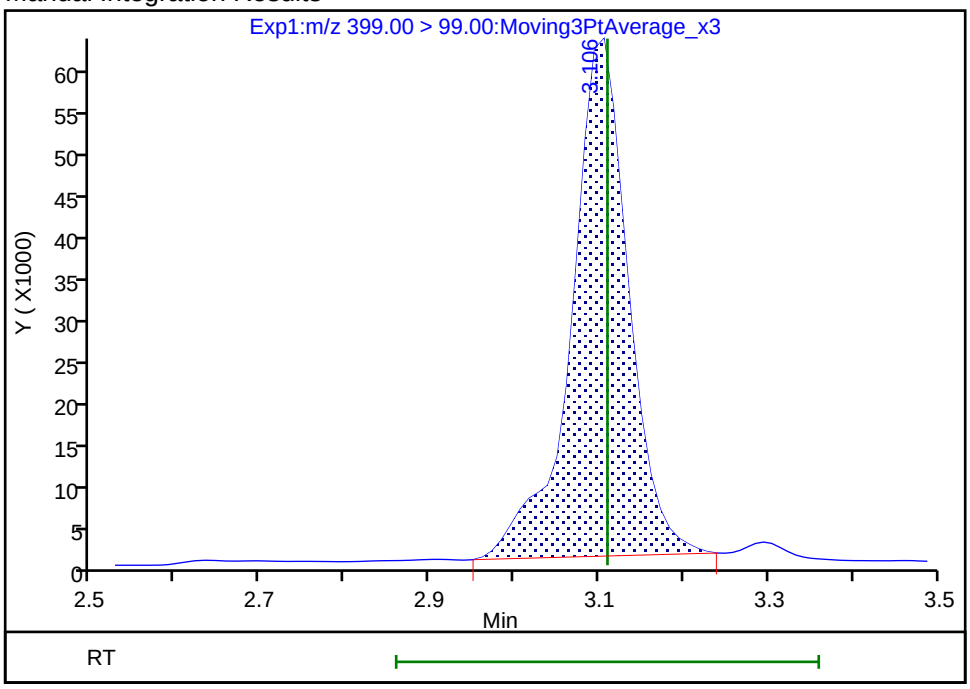
Processing Integration Results

RT: 3.11
Area: 308066
Amount: 0.996382
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 290676
Amount: 0.990070
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:56:33

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

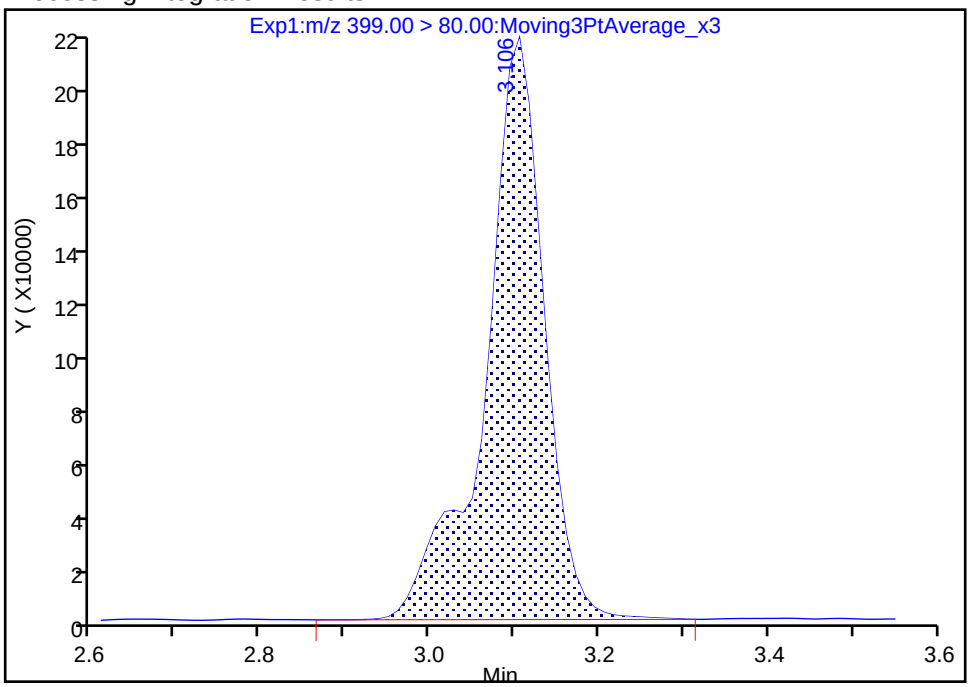
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B05.d
Injection Date: 04-Aug-2022 14:33:53 Instrument ID: LC812
Lims ID: 460-262622-A-5-E MS
Client ID: BDS-20P
Operator ID: lc812tech ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

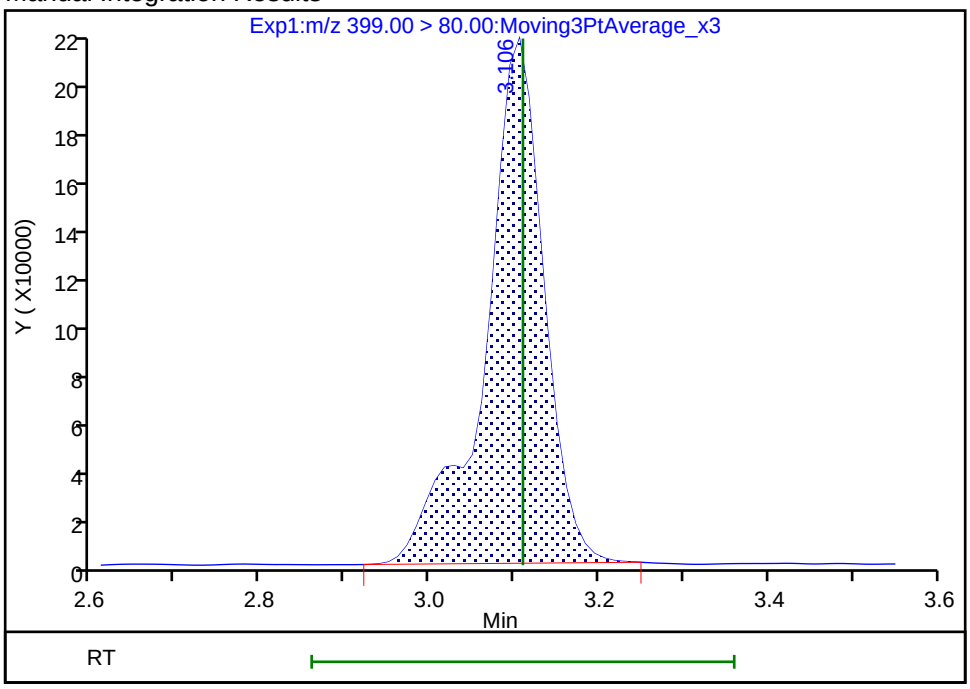
Processing Integration Results

RT: 3.11
Area: 1062463
Amount: 0.996382
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 1051238
Amount: 0.990070
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:12:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

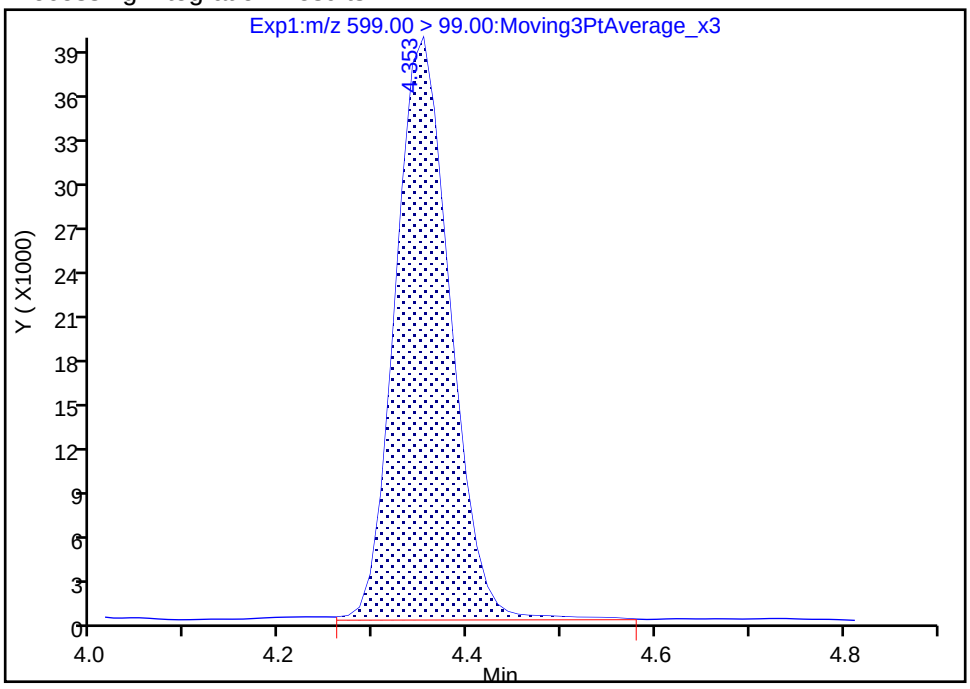
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B05.d				
Injection Date:	04-Aug-2022 14:33:53	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-E MS				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

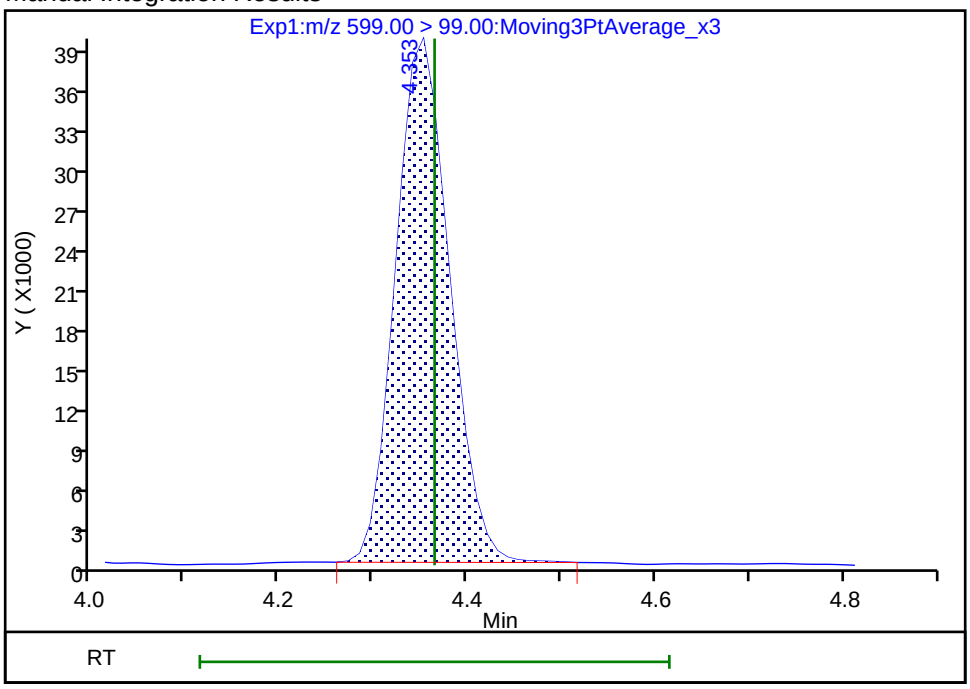
Processing Integration Results

RT: 4.35
Area: 159459
Amount: 1.075616
Amount Units: ng/ml



Manual Integration Results

RT: 4.35
Area: 156103
Amount: 1.075616
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:58:23

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

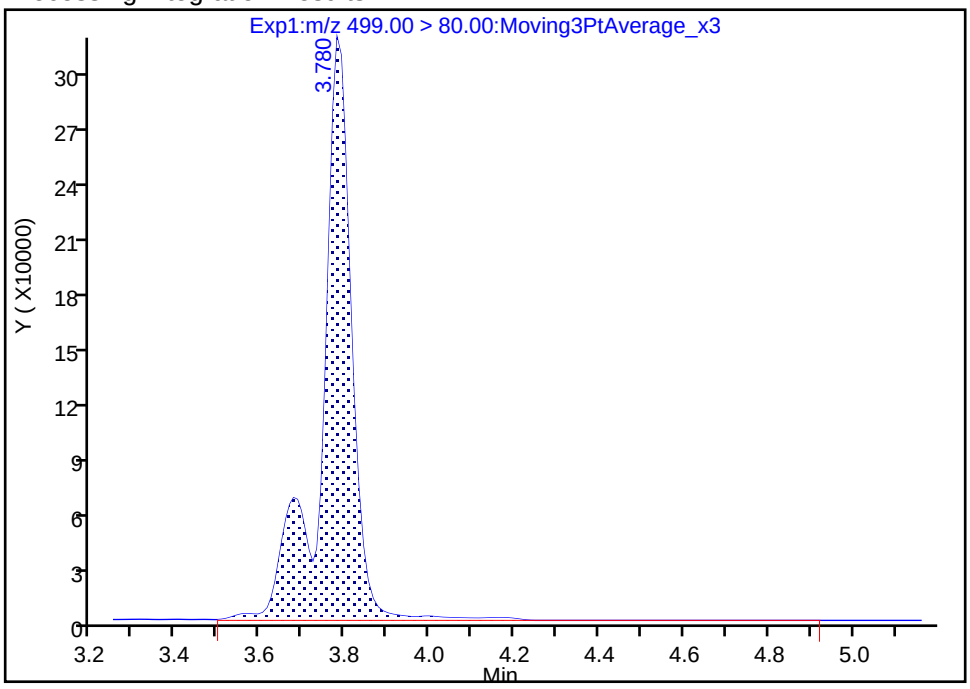
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B05.d				
Injection Date:	04-Aug-2022 14:33:53	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-E MS				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

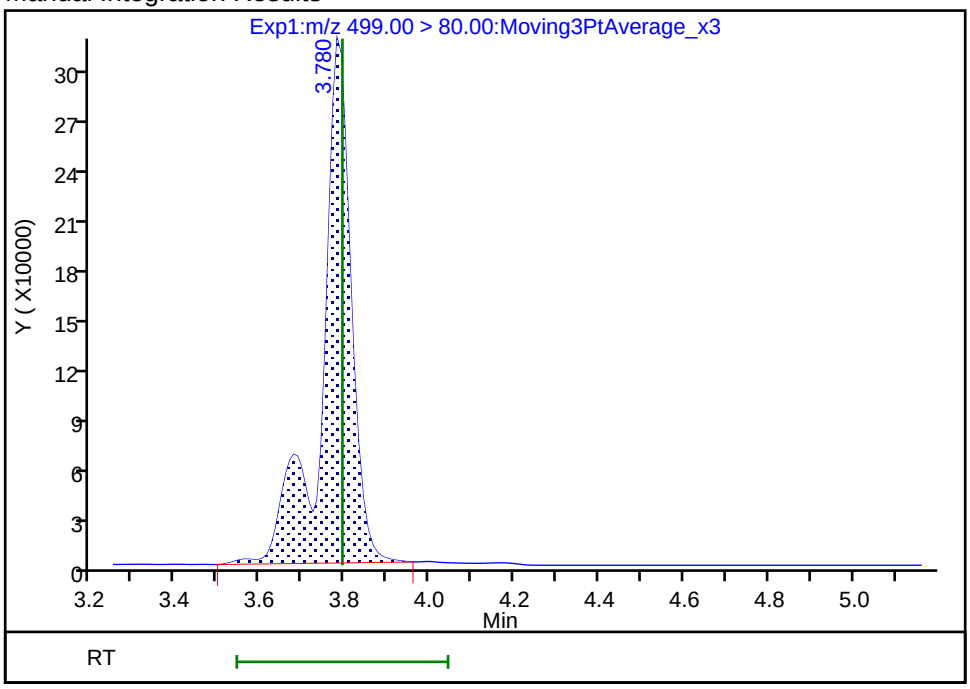
Processing Integration Results

RT: 3.78
Area: 1590171
Amount: 2.293626
Amount Units: ng/ml



Manual Integration Results

RT: 3.78
Area: 1533646
Amount: 2.211439
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:57:17

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

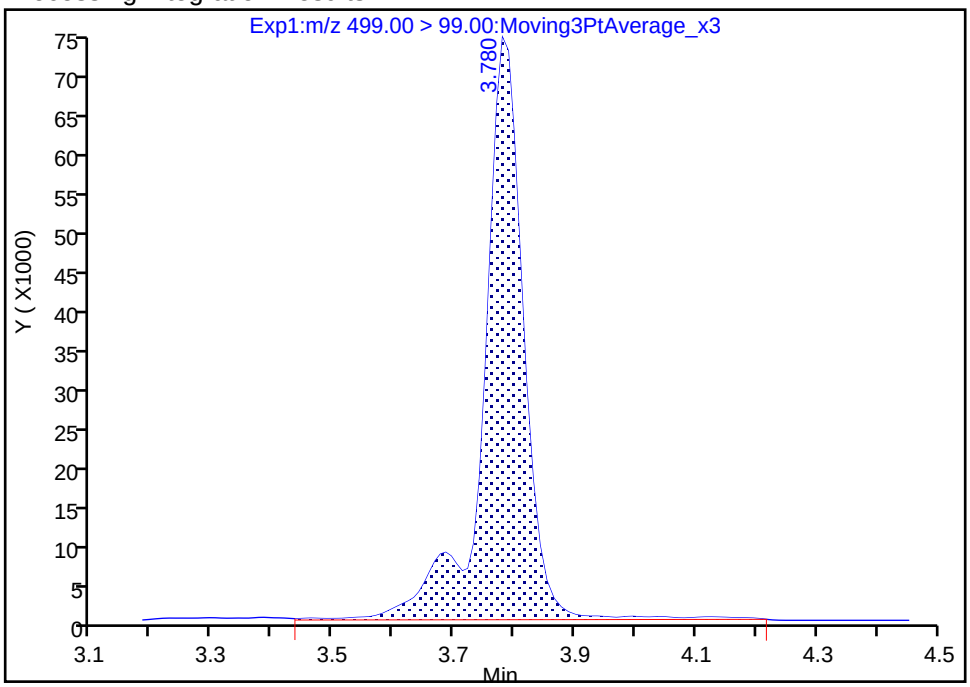
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B05.d				
Injection Date:	04-Aug-2022 14:33:53	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-E MS				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

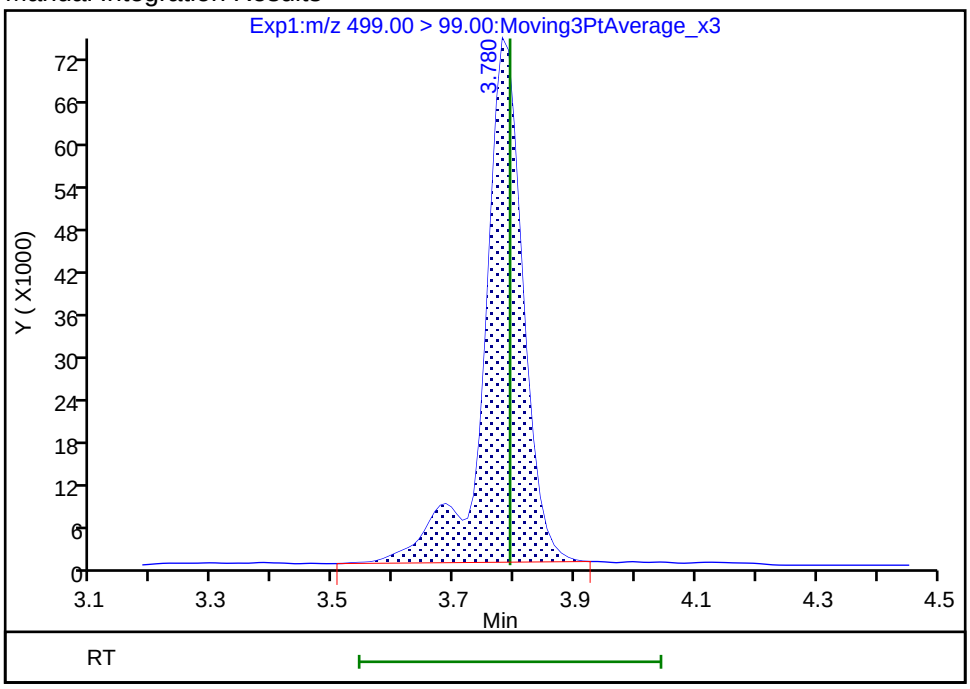
Processing Integration Results

RT: 3.78
Area: 344578
Amount: 2.293626
Amount Units: ng/ml



Manual Integration Results

RT: 3.78
Area: 331446
Amount: 2.211439
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:57:23

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

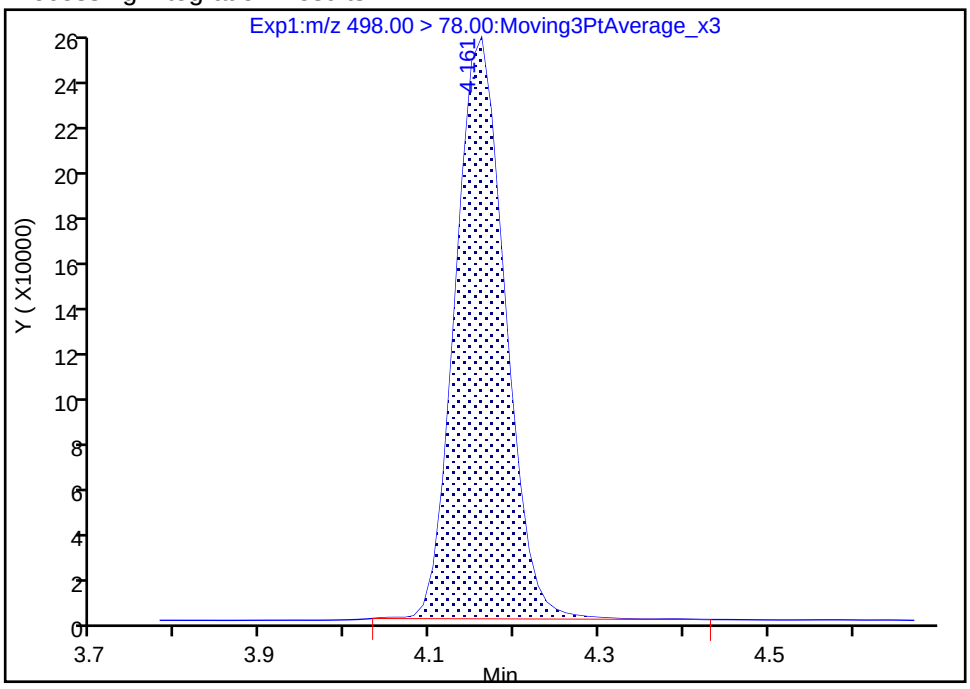
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B05.d				
Injection Date:	04-Aug-2022 14:33:53	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-E MS				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

22 Perfluorooctanesulfonamide, CAS: 754-91-6

Signal: 1

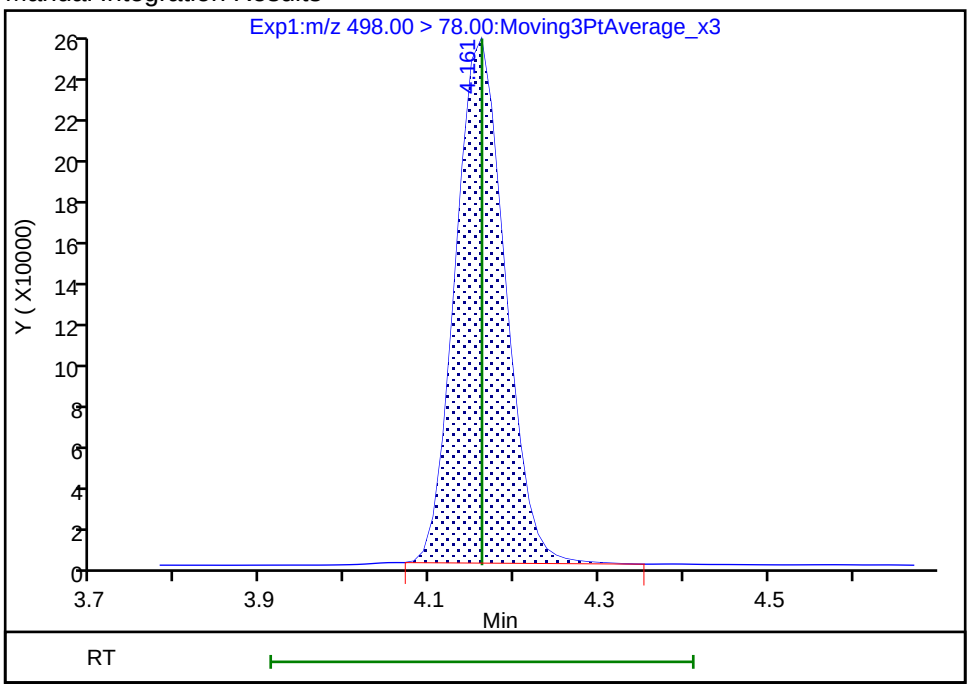
Processing Integration Results

RT: 4.16
Area: 1035103
Amount: 1.064750
Amount Units: ng/ml



Manual Integration Results

RT: 4.16
Area: 1028980
Amount: 1.068382
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:58:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

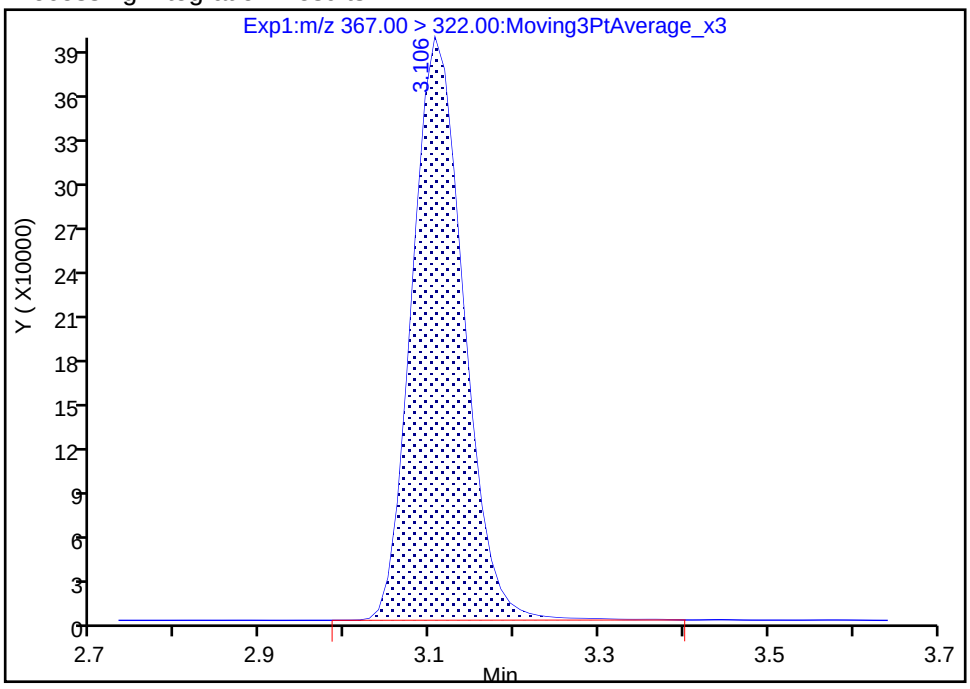
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B05.d				
Injection Date:	04-Aug-2022 14:33:53	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-E MS				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 9 13C4 PFHpA, CAS: STL01892

Signal: 1

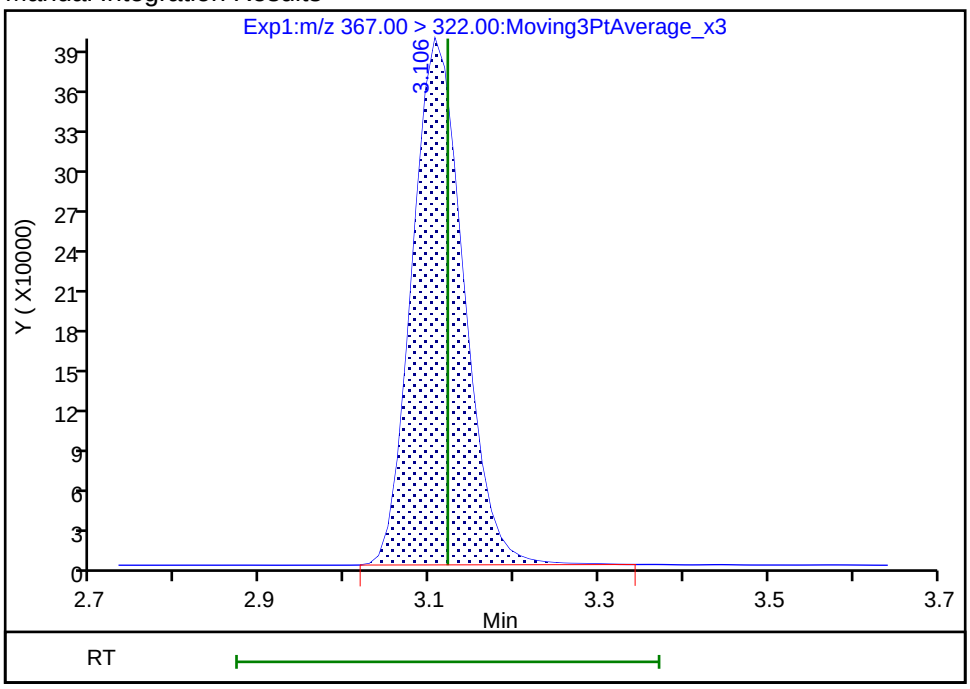
Processing Integration Results

RT: 3.11
Area: 1674142
Amount: 1.153979
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 1669428
Amount: 1.150729
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:54:39

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

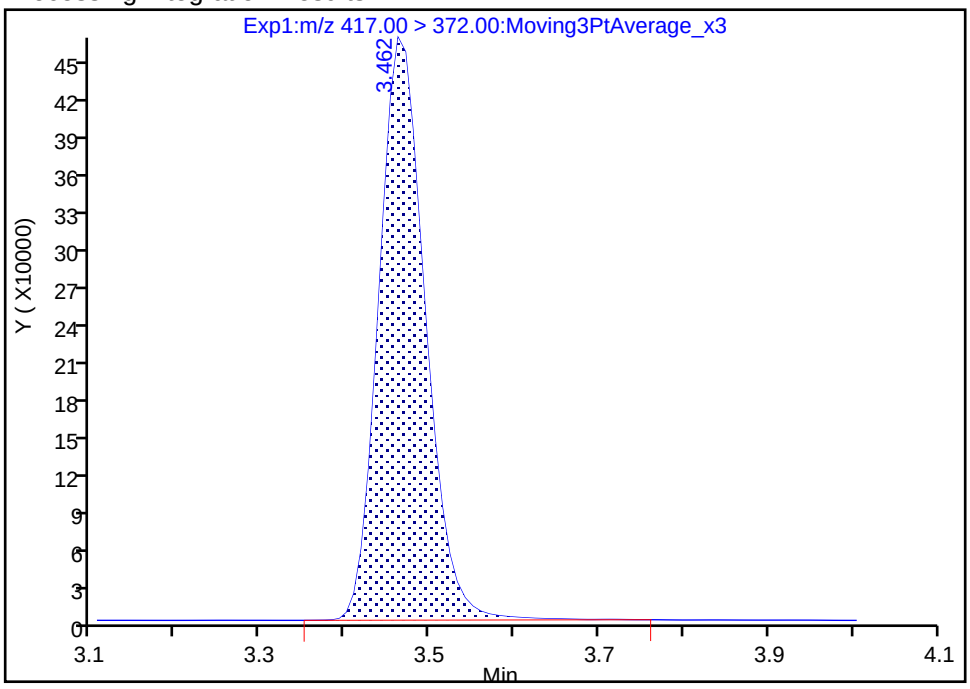
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B05.d				
Injection Date:	04-Aug-2022 14:33:53	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-E MS				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

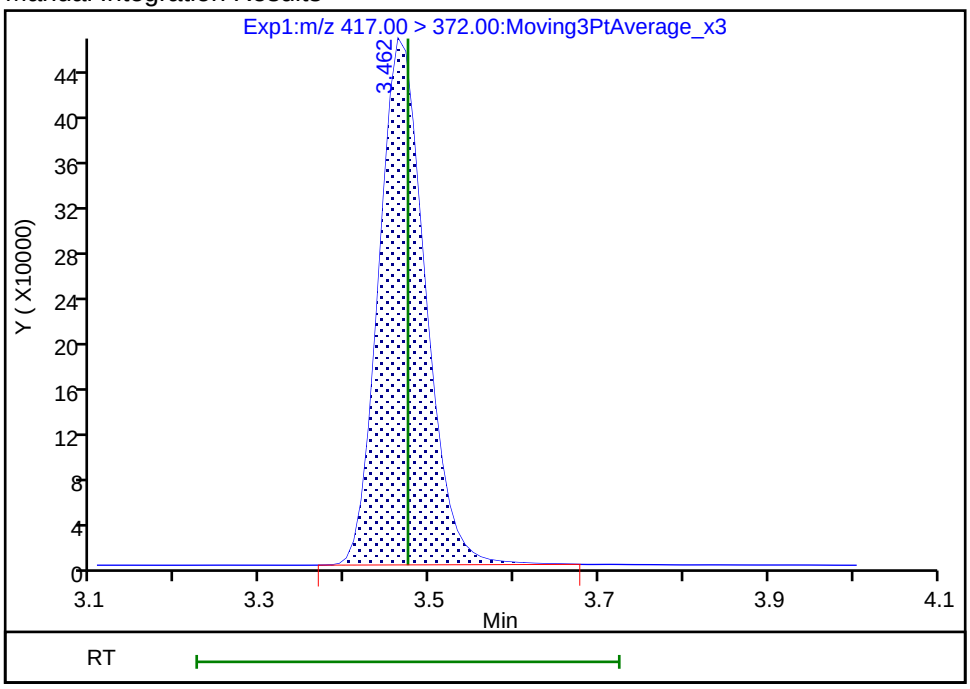
Processing Integration Results

RT: 3.46
Area: 1758711
Amount: 1.183070
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 1754172
Amount: 1.180017
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:54:46

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

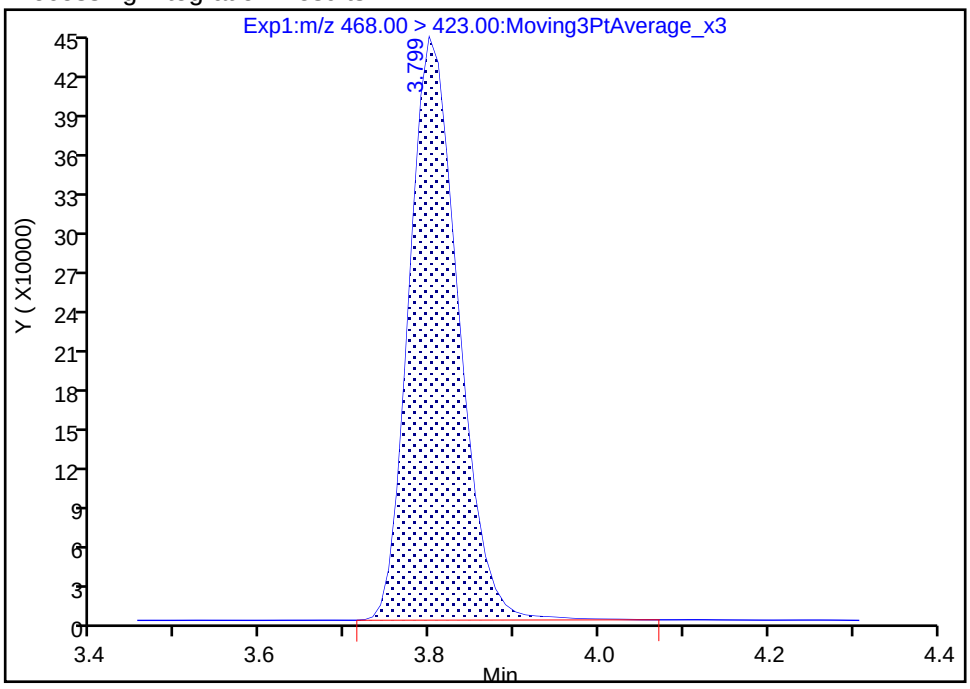
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B05.d				
Injection Date:	04-Aug-2022 14:33:53	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-E MS				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

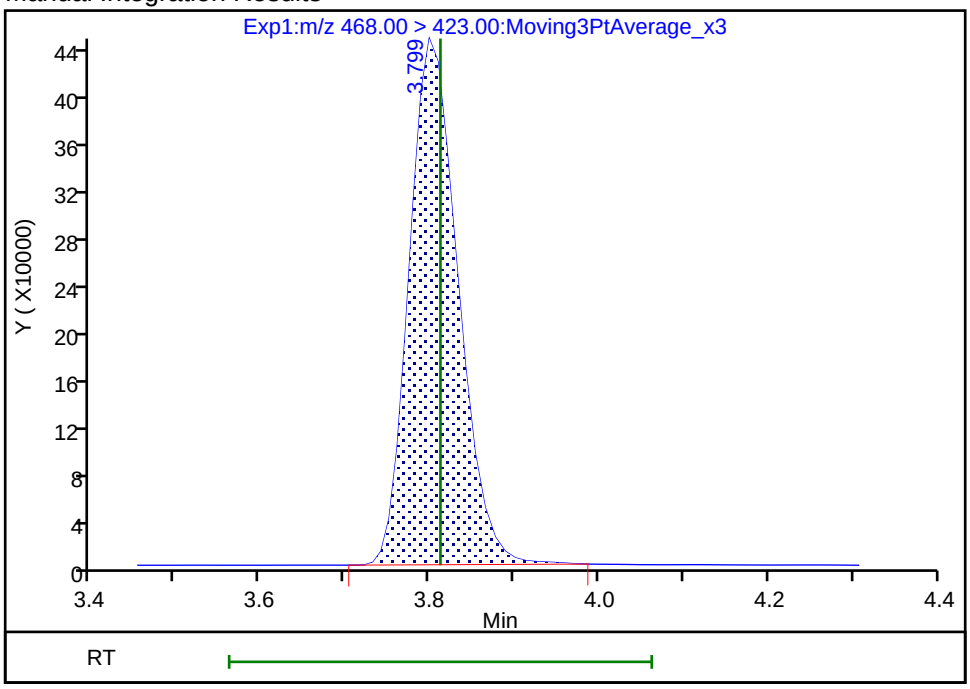
Processing Integration Results

RT: 3.80
Area: 1800357
Amount: 1.166548
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 1793223
Amount: 1.161926
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:12:46

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

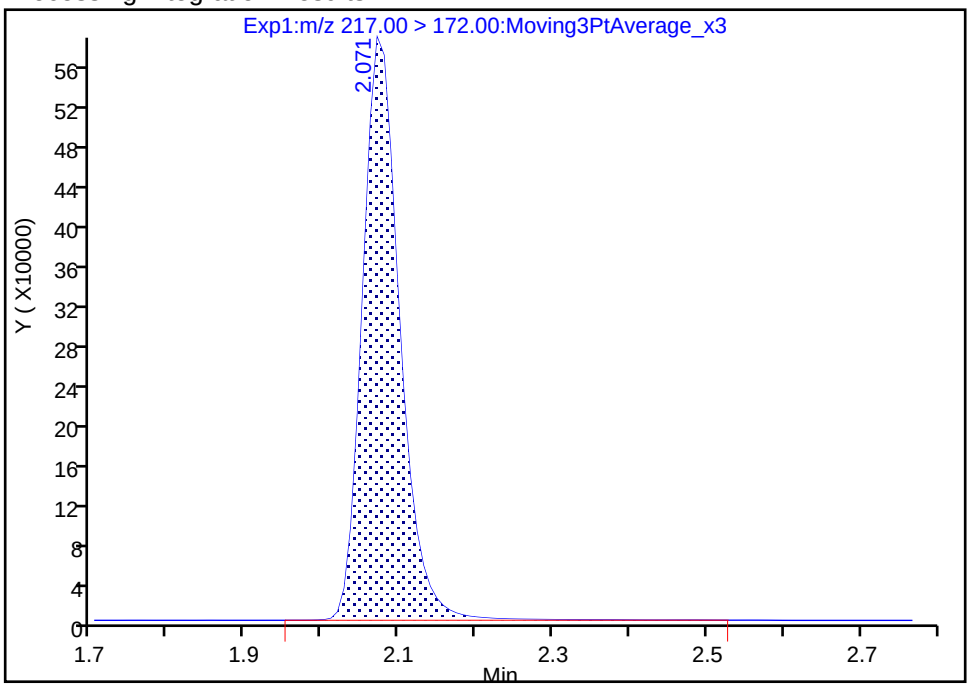
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B05.d				
Injection Date:	04-Aug-2022 14:33:53	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-E MS				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

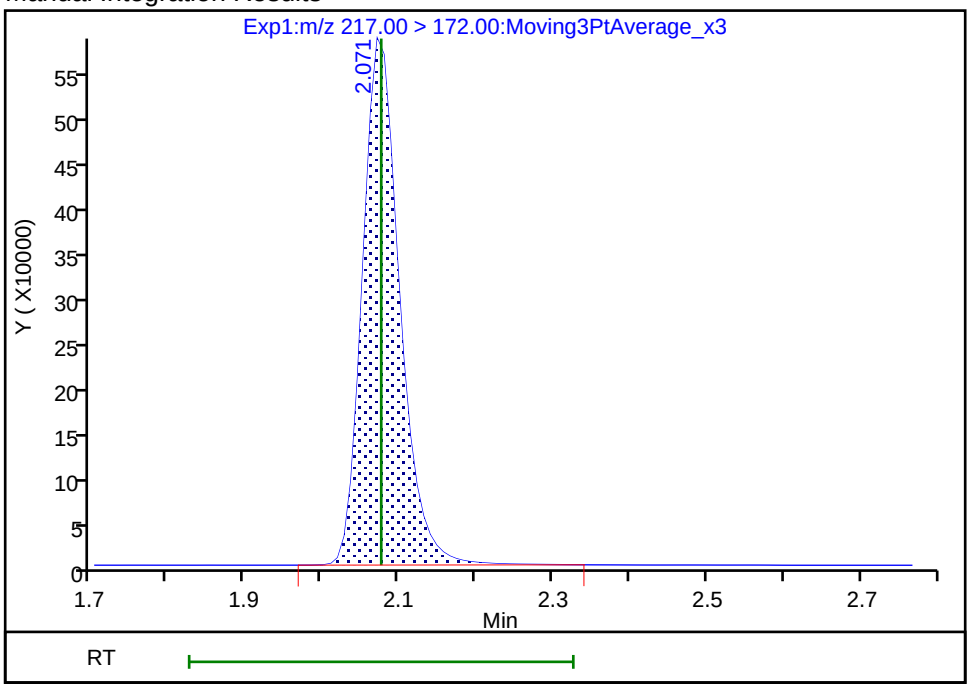
Processing Integration Results

RT: 2.07
Area: 1975231
Amount: 1.084489
Amount Units: ng/ml



Manual Integration Results

RT: 2.07
Area: 1970123
Amount: 1.081684
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:11:56

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

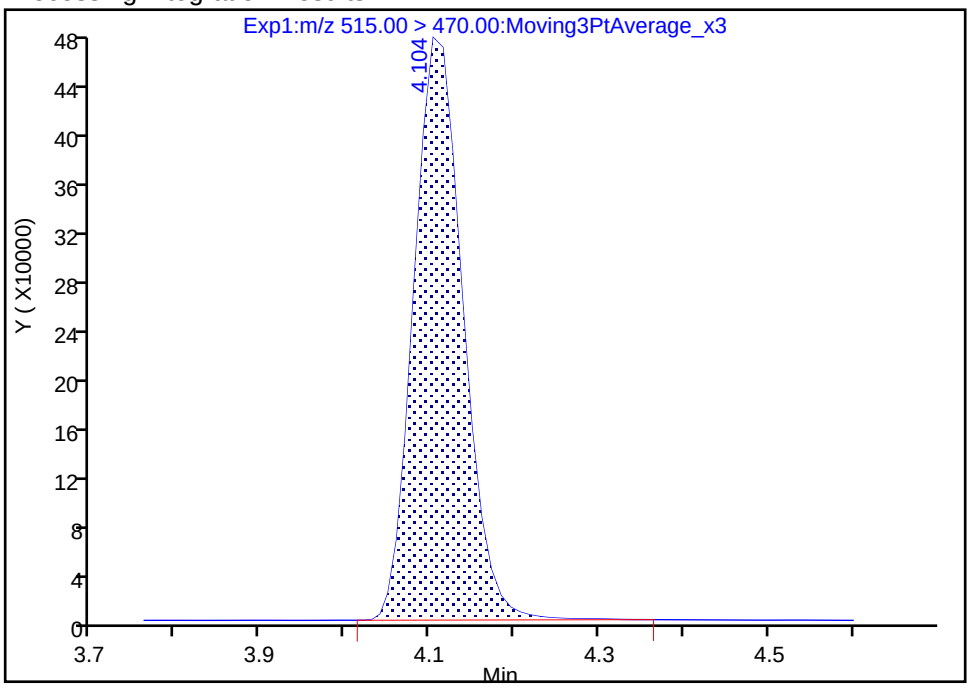
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B05.d				
Injection Date:	04-Aug-2022 14:33:53	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-E MS				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

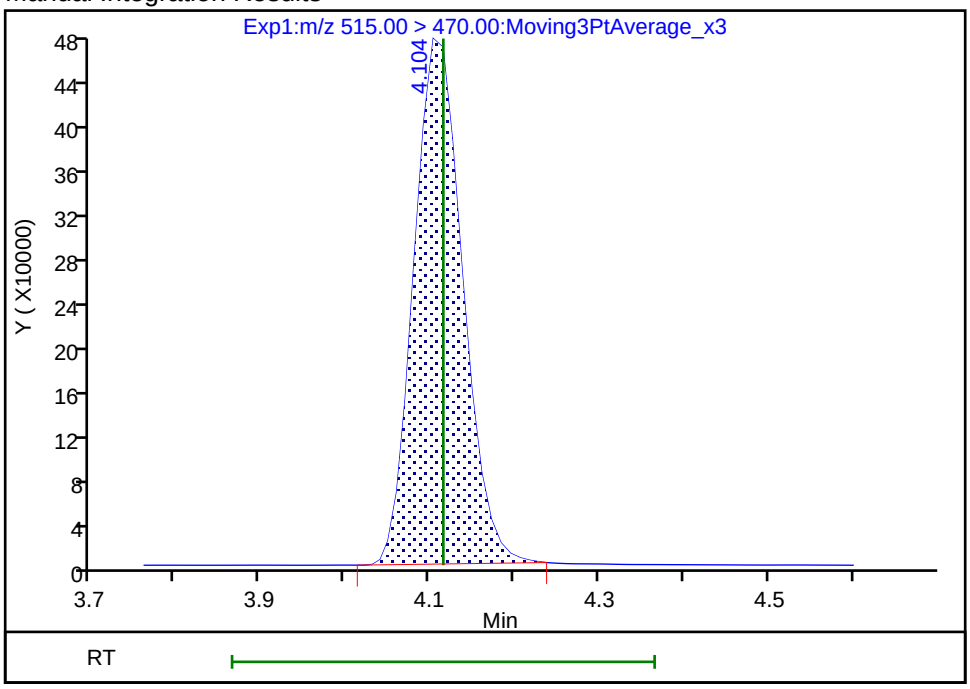
Processing Integration Results

RT: 4.10
Area: 1925567
Amount: 1.281992
Amount Units: ng/ml



Manual Integration Results

RT: 4.10
Area: 1907285
Amount: 1.269820
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:12:54

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

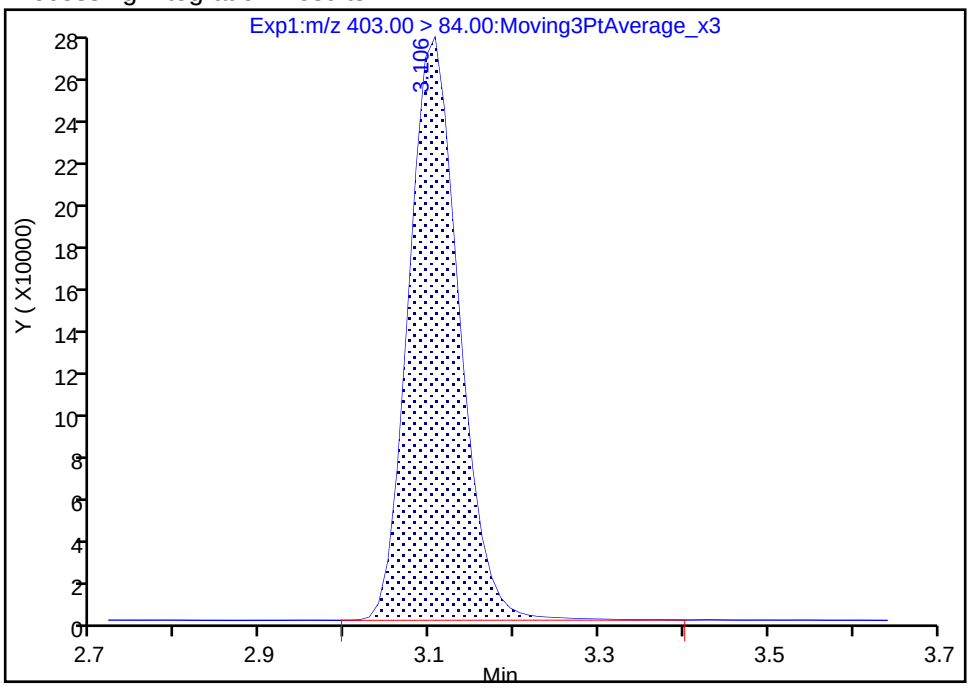
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B05.d				
Injection Date:	04-Aug-2022 14:33:53	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-E MS				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 11 18O2 PFHxS, CAS: STL00994

Signal: 1

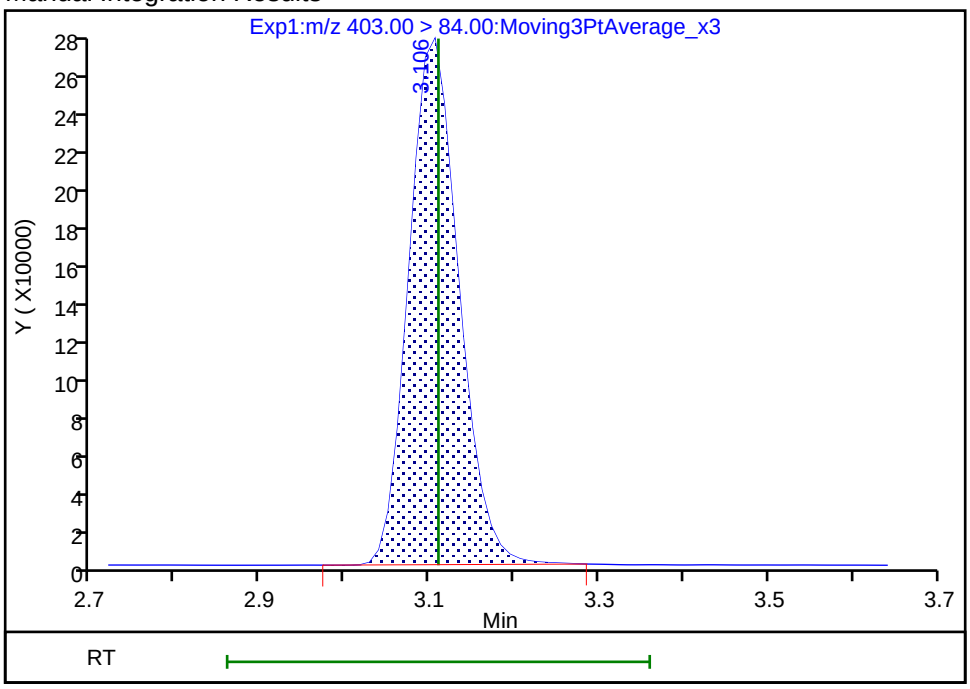
Processing Integration Results

RT: 3.11
Area: 1144971
Amount: 1.004309
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 1138372
Amount: 0.998521
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:12:18

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

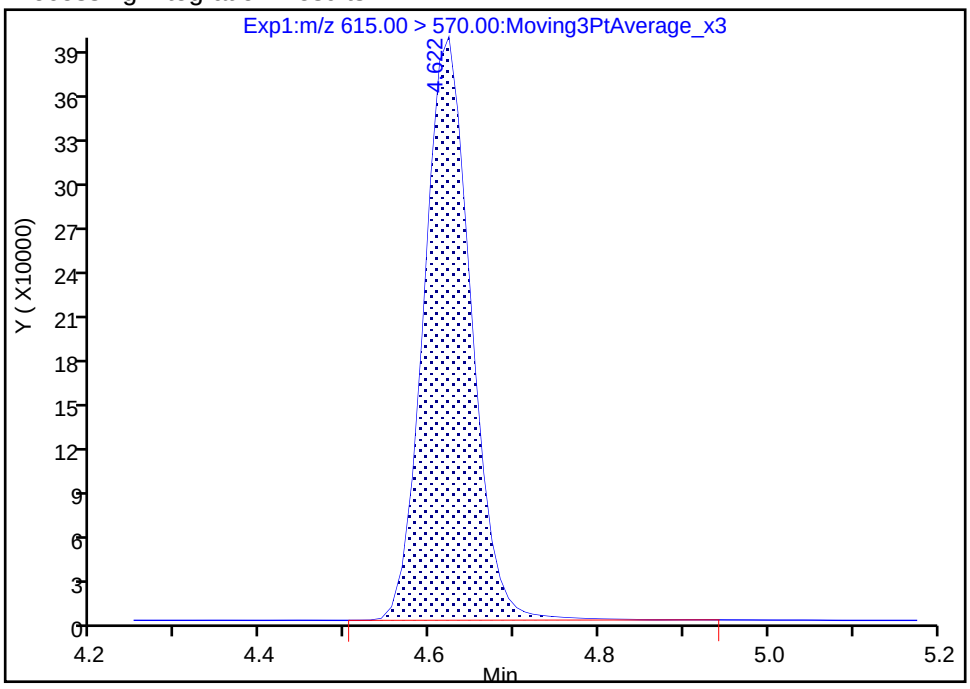
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B05.d				
Injection Date:	04-Aug-2022 14:33:53	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-E MS				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 36 13C2 PFDoA, CAS: STL00998

Signal: 1

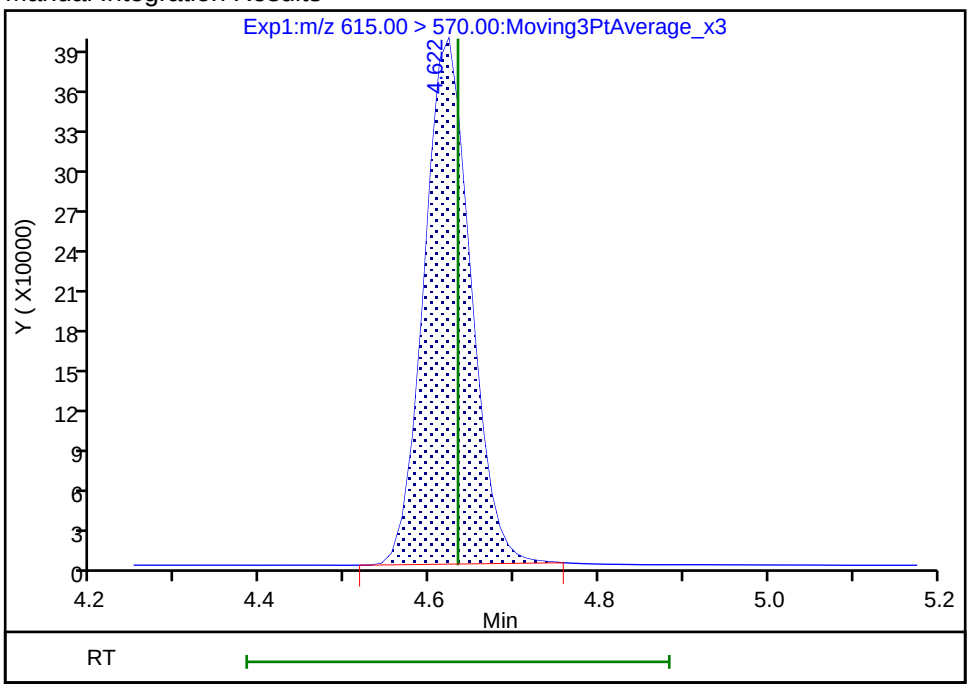
Processing Integration Results

RT: 4.62
Area: 1519382
Amount: 1.288393
Amount Units: ng/ml



Manual Integration Results

RT: 4.62
Area: 1502940
Amount: 1.274451
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:13:24

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

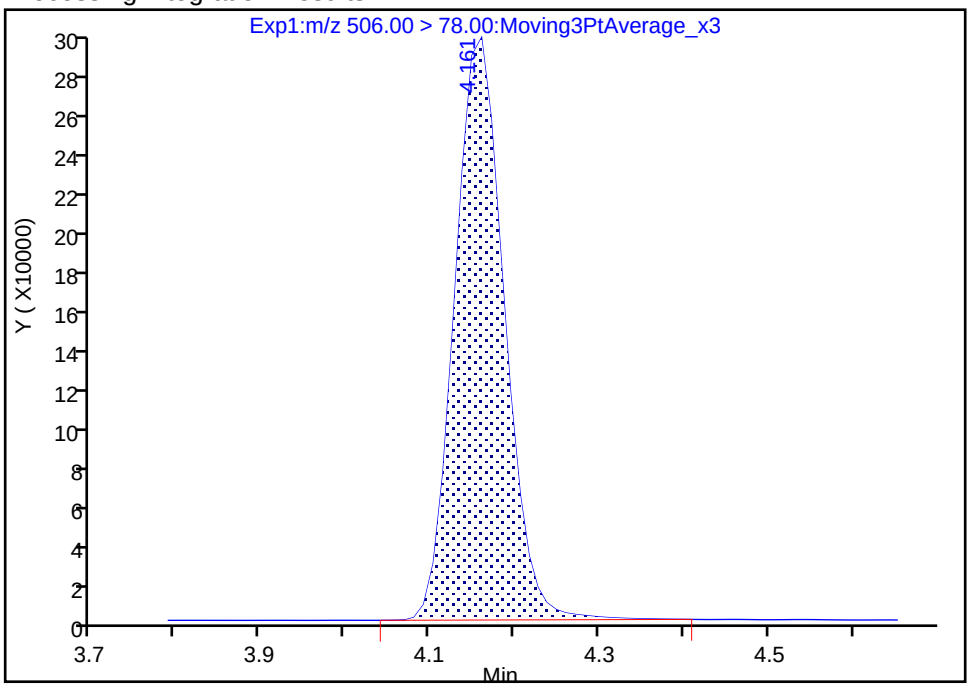
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B05.d				
Injection Date:	04-Aug-2022 14:33:53	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-E MS				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

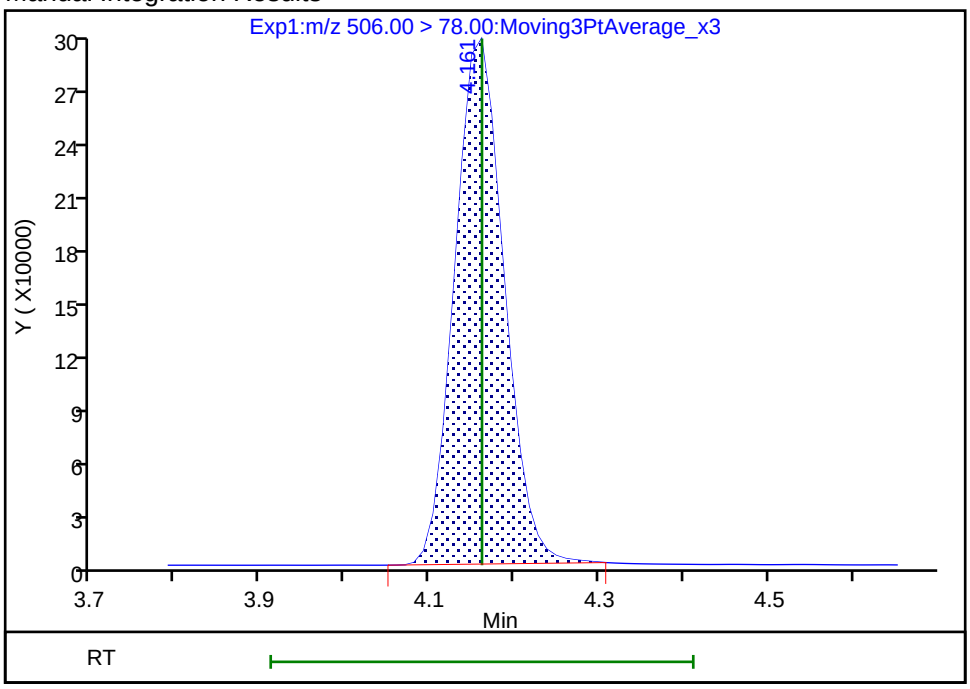
Processing Integration Results

RT: 4.16
Area: 1192527
Amount: 0.907142
Amount Units: ng/ml



Manual Integration Results

RT: 4.16
Area: 1181443
Amount: 0.898711
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:13:01

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

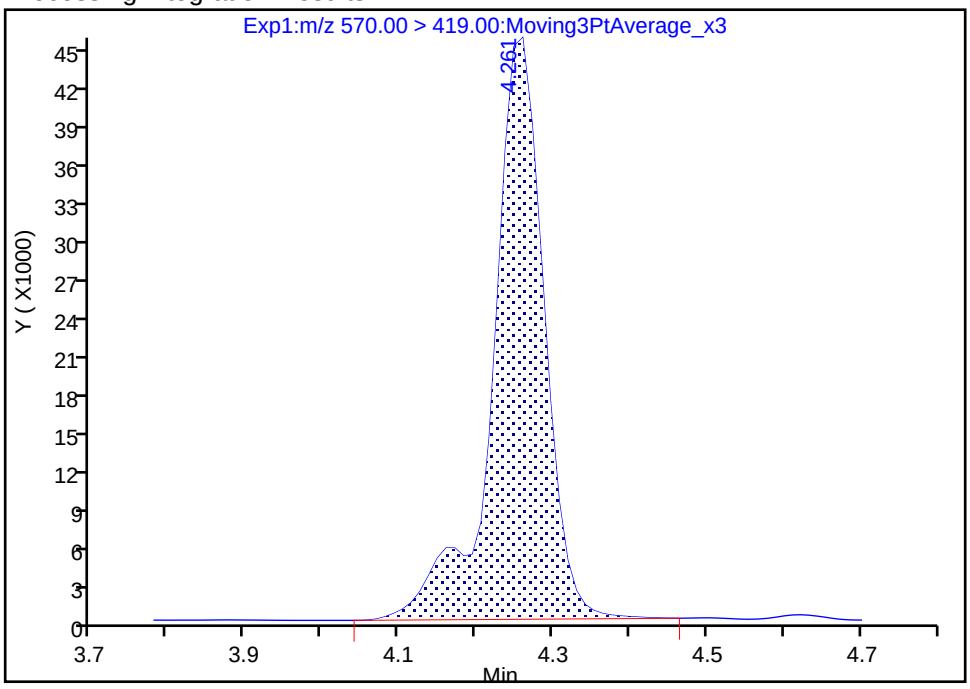
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B05.d				
Injection Date:	04-Aug-2022 14:33:53	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-E MS				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

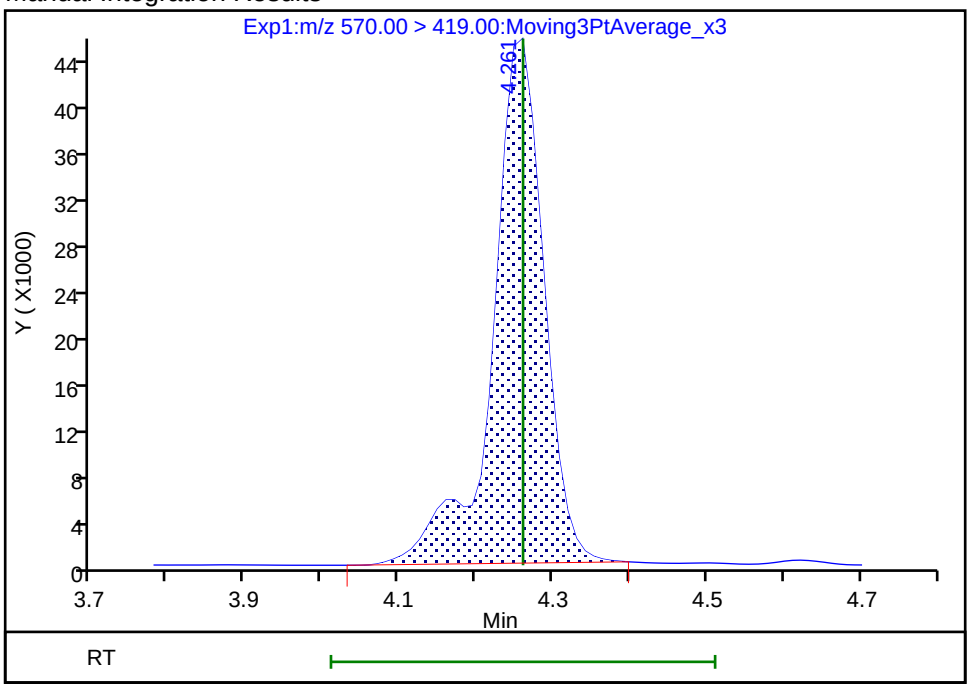
Processing Integration Results

RT: 4.26
Area: 211001
Amount: 1.094772
Amount Units: ng/ml



Manual Integration Results

RT: 4.26
Area: 209027
Amount: 1.084530
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:13:06

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

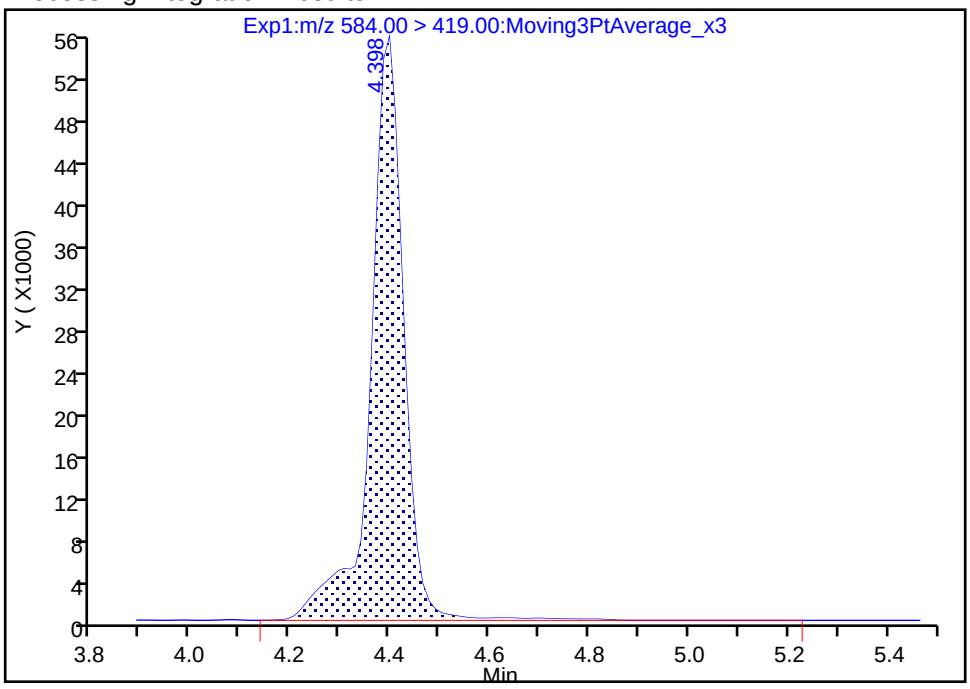
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B05.d				
Injection Date:	04-Aug-2022 14:33:53	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-E MS				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

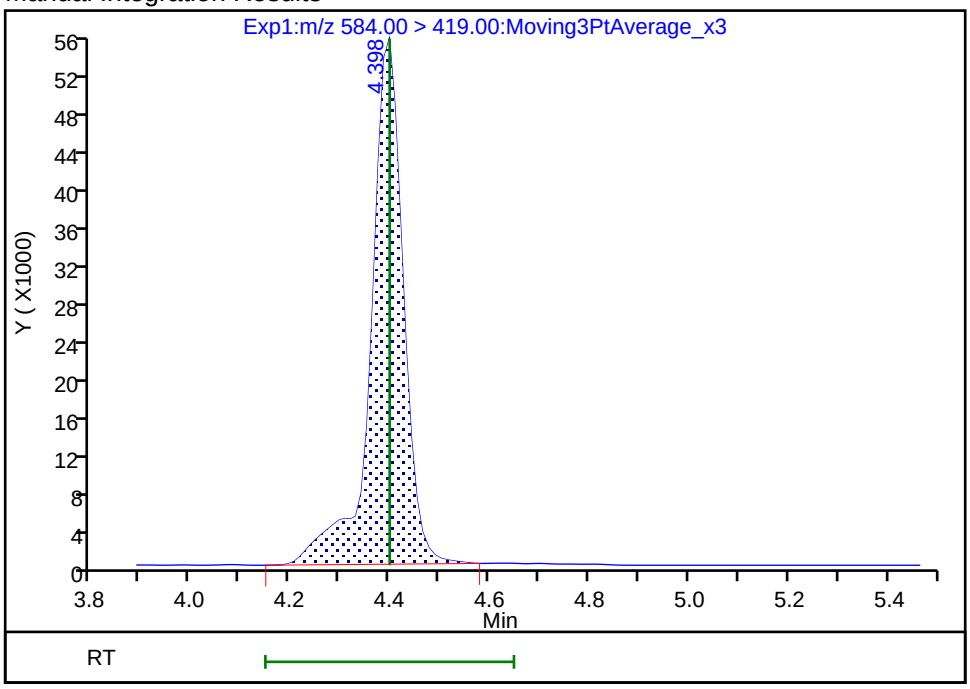
Processing Integration Results

RT: 4.40
Area: 256605
Amount: 1.173194
Amount Units: ng/ml



Manual Integration Results

RT: 4.40
Area: 251638
Amount: 1.150485
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:58:34

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

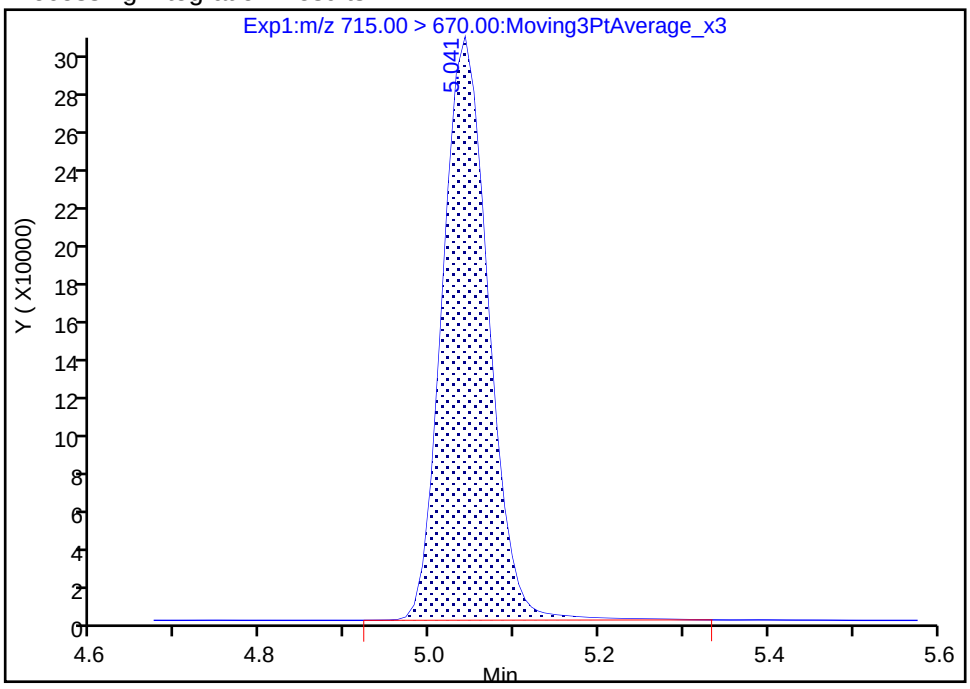
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B05.d				
Injection Date:	04-Aug-2022 14:33:53	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-E MS				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

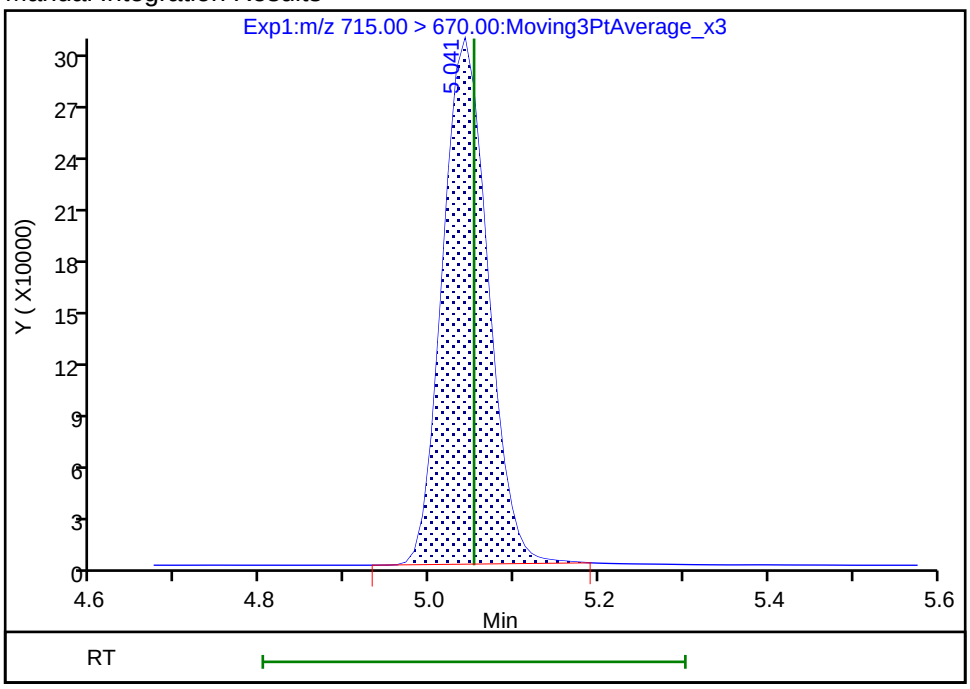
Processing Integration Results

RT: 5.04
Area: 1134999
Amount: 1.177347
Amount Units: ng/ml



Manual Integration Results

RT: 5.04
Area: 1121455
Amount: 1.163297
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:13:50

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

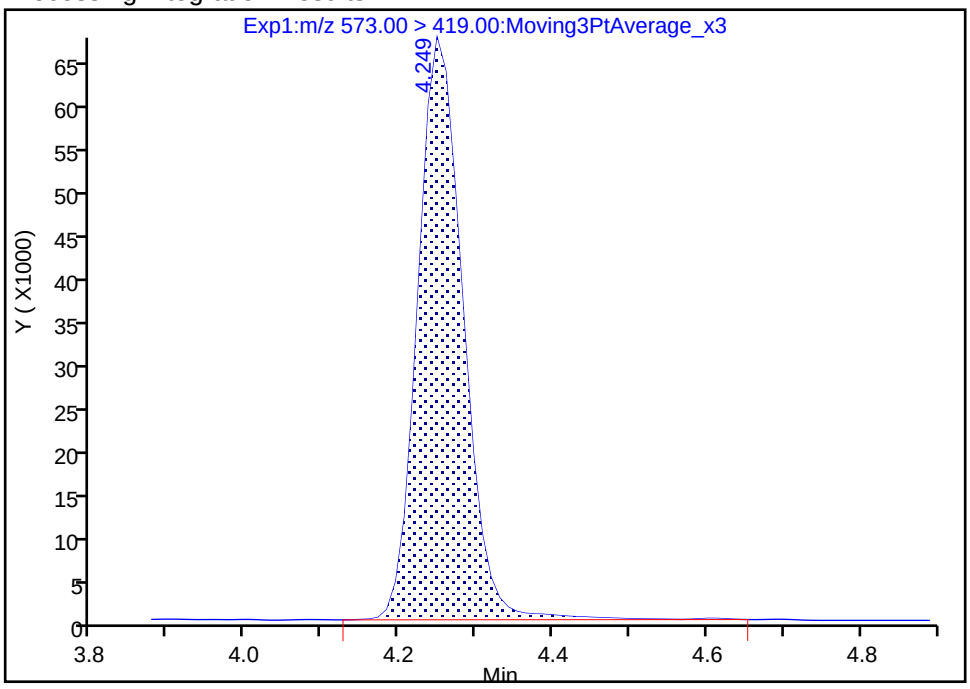
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B05.d				
Injection Date:	04-Aug-2022 14:33:53	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-E MS				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

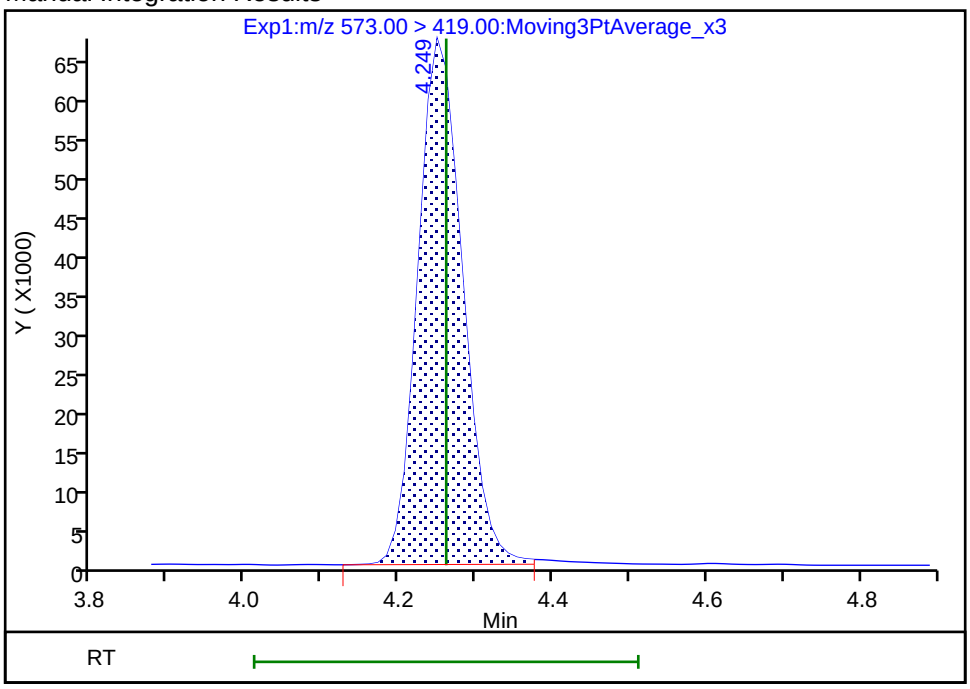
Processing Integration Results

RT: 4.25
Area: 274911
Amount: 1.365563
Amount Units: ng/ml



Manual Integration Results

RT: 4.25
Area: 271271
Amount: 1.347482
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:55:09

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

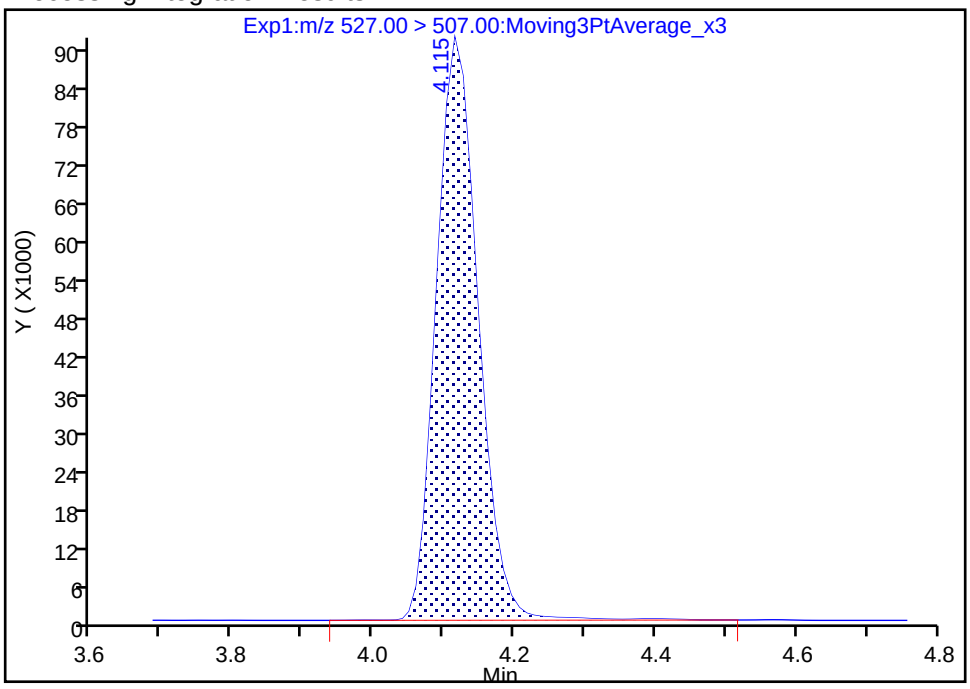
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B05.d				
Injection Date:	04-Aug-2022 14:33:53	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-E MS				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	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

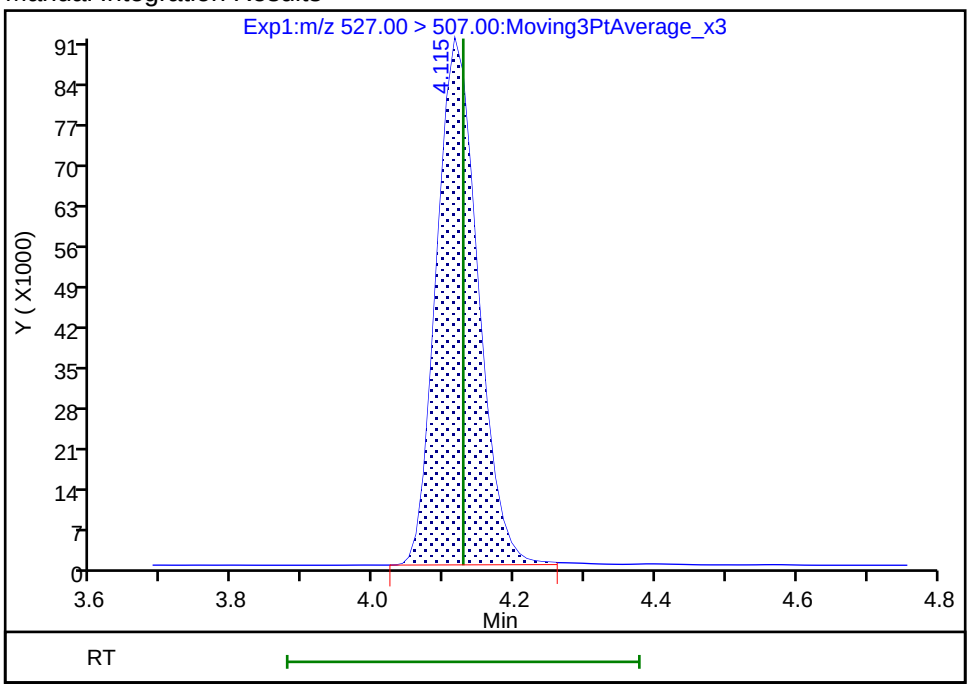
Processing Integration Results

RT: 4.12
Area: 373882
Amount: 1.107423
Amount Units: ng/ml



Manual Integration Results

RT: 4.12
Area: 370787
Amount: 1.098256
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:58:07

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

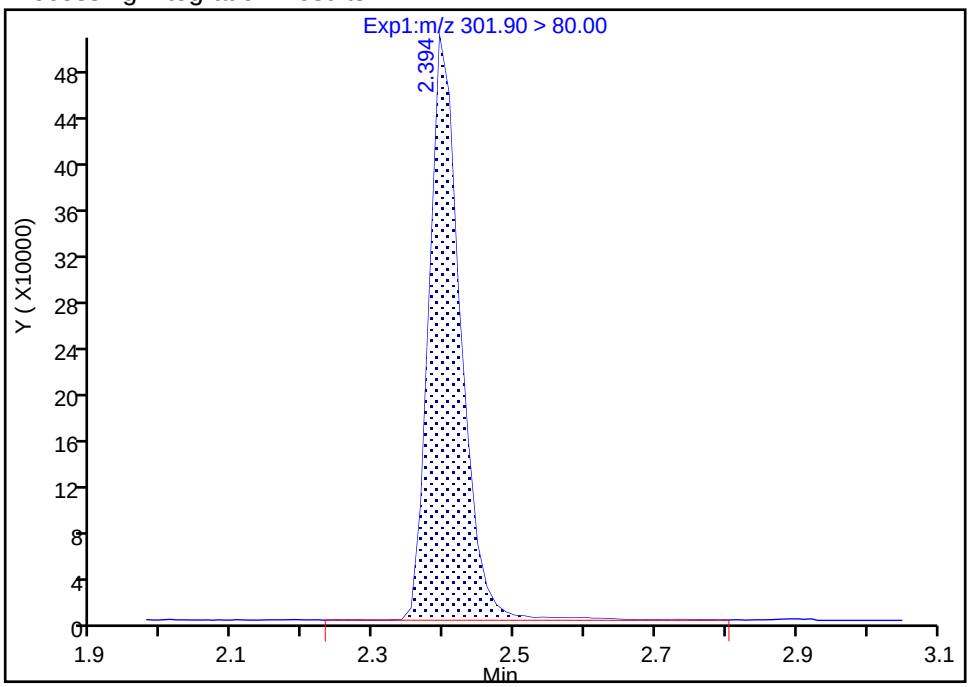
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B05.d				
Injection Date:	04-Aug-2022 14:33:53	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-E MS				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

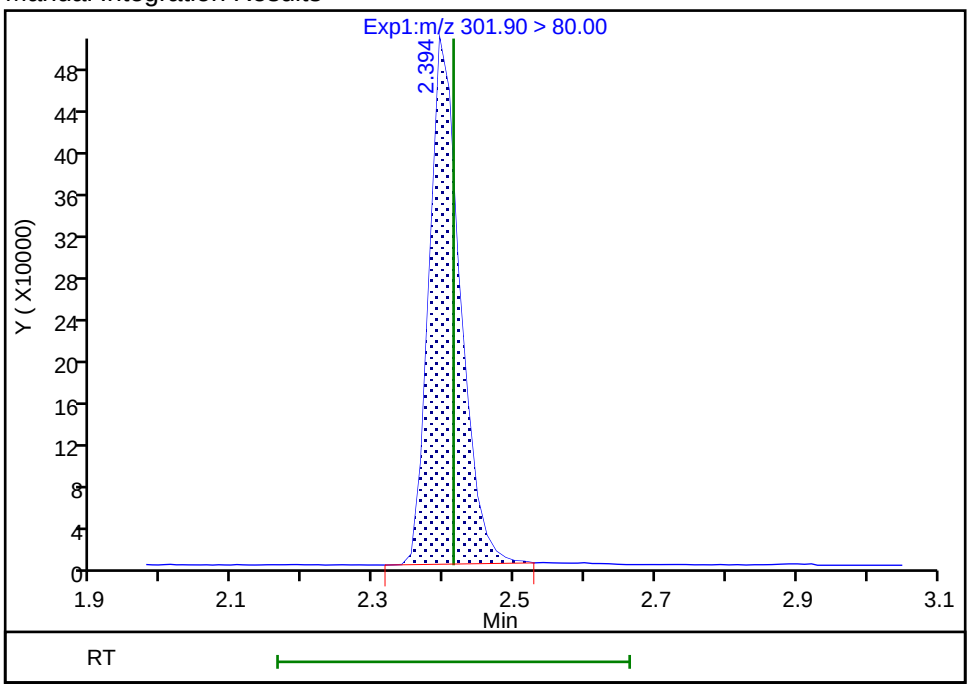
Processing Integration Results

RT: 2.39
Area: 1572971
Amount: 0.970379
Amount Units: ng/ml



Manual Integration Results

RT: 2.39
Area: 1540054
Amount: 0.950072
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:54:07

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

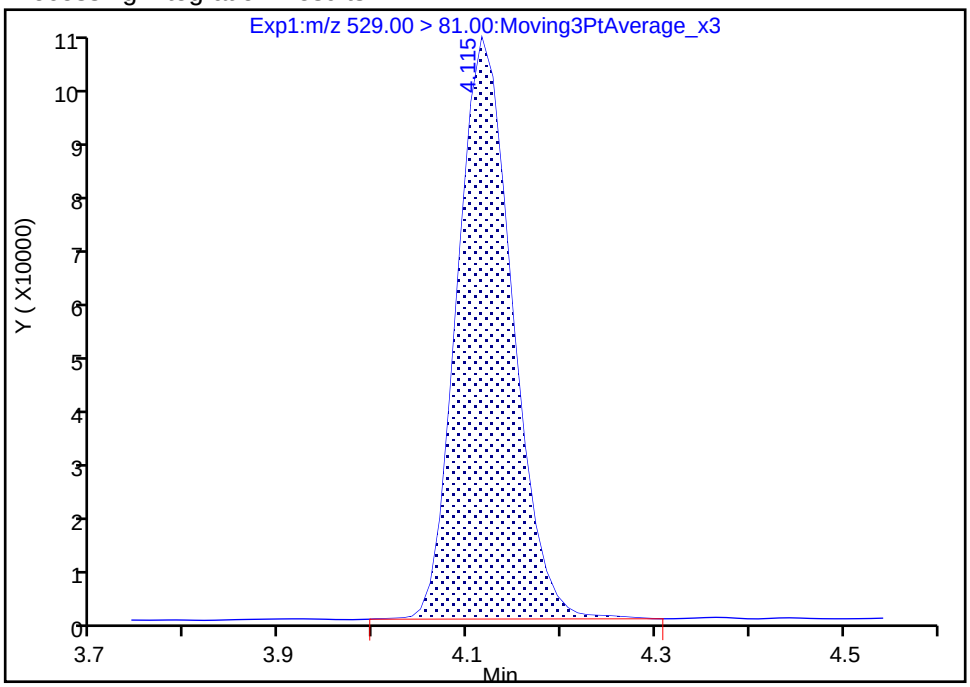
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B05.d				
Injection Date:	04-Aug-2022 14:33:53	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-E MS				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 26 M2-8:2 FTS, CAS: STL02280

Signal: 1

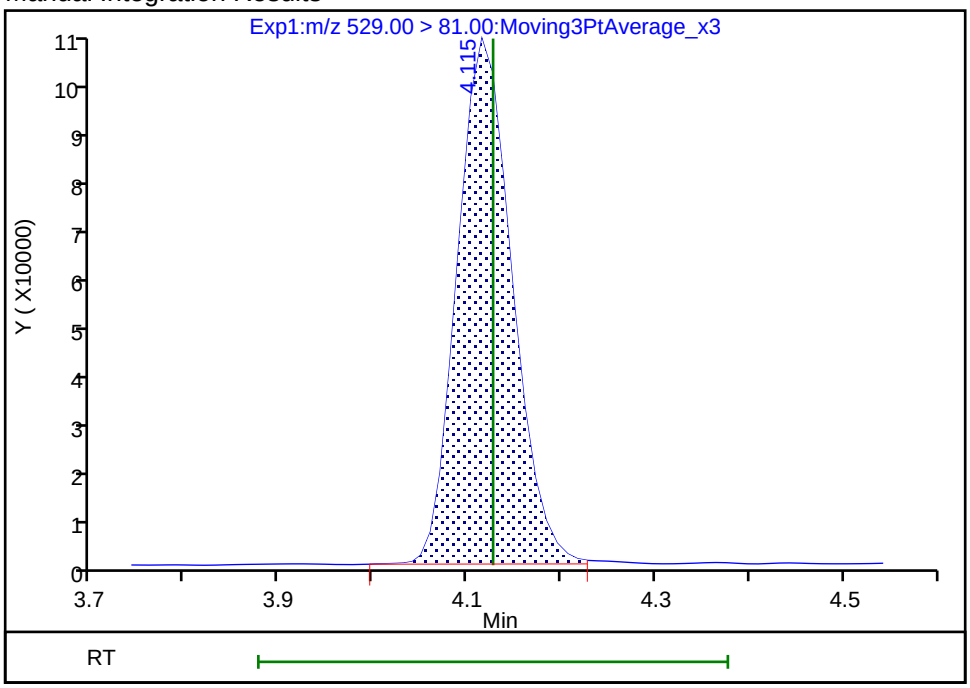
Processing Integration Results

RT: 4.12
Area: 420253
Amount: 1.830453
Amount Units: ng/ml



Manual Integration Results

RT: 4.12
Area: 418669
Amount: 1.823554
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 10:54:57

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 460-262897-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-262622-A-5-F MSD

Matrix: Solid | Lab File ID: PA220804B06.d

Analysis Method: 537 (modified) | Date Collected:

Extraction Method: SHAKE | Date Extracted: 08/03/2022 11:39

Sample wt/vol: 5.15(g) | Date Analyzed: 08/04/2022 14:42

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 20(uL) | GC Column: C-18 ID: 4.6(mm)

% Moisture: 14.7 % Solids: 85.3 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 182375 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	2.351		0.57	0.38
2706-90-3	Perfluoropentanoic acid (PFPeA)	2.705		0.23	0.063
307-24-4	Perfluorohexanoic acid (PFHxA)	2.527		0.23	0.052
375-85-9	Perfluoroheptanoic acid (PFHpA)	2.560		0.23	0.044
335-67-1	Perfluorooctanoic acid (PFOA)	2.893		0.23	0.066
375-95-1	Perfluorononanoic acid (PFNA)	2.570		0.23	0.039
335-76-2	Perfluorodecanoic acid (PFDA)	2.663		0.23	0.032
2058-94-8	Perfluoroundecanoic acid (PFUnA)	2.510		0.23	0.031
307-55-1	Perfluorododecanoic acid (PFDoA)	2.466		0.23	0.028
72629-94-8	Perfluorotridecanoic acid (PFTriA)	2.228		0.23	0.028
376-06-7	Perfluorotetradecanoic acid (PFTeA)	2.505		0.23	0.030
375-73-5	Perfluorobutanesulfonic acid (PFBS)	2.105		0.23	0.038
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	2.239		0.23	0.047
375-92-8	Perfluoroheptanesulfonic acid (PFHpS)	2.482		0.23	0.026
335-77-3	Perfluorodecanesulfonic acid (PFDS)	2.406		0.23	0.022
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	6.240		0.23	0.13
754-91-6	Perfluorooctanesulfonamide (FOSA)	2.525		0.23	0.039
2355-31-9	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.683		2.28	0.13
2991-50-6	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.506		2.28	0.095
27619-97-2	6:2 FTS	2.335		2.28	0.065
39108-34-4	8:2 FTS	2.372		2.28	0.042

FORM I
PFAS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Burlington | Job No.: 460-262897-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-262622-A-5-F MSD

Matrix: Solid | Lab File ID: PA220804B06.d

Analysis Method: 537 (modified) | Date Collected:

Extraction Method: SHAKE | Date Extracted: 08/03/2022 11:39

Sample wt/vol: 5.15(g) | Date Analyzed: 08/04/2022 14:42

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 20(uL) | GC Column: C-18 ID: 4.6(mm)

% Moisture: 14.7 % Solids: 85.3 | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 182375 | Units: ug/Kg

CAS NO.	ISOTOPE DILUTION	%REC	Q	LIMITS
STL01892	13C4 PFHpA	87		50-150
STL00990	13C4 PFOA	91		50-150
STL00995	13C5 PFNA	90		50-150
STL00992	13C4 PFBA	87		50-150
STL00993	13C2 PFHxA	88		50-150
STL00996	13C2 PFDA	92		50-150
STL00997	13C2 PFUnA	99		50-150
STL00994	18O2 PFHxS	82		50-150
STL00998	13C2 PFDoA	92		50-150
STL00991	13C4 PFOS	76		50-150
STL01056	13C8 FOSA	71		50-150
STL01893	13C5 PFPeA	86		50-150
STL02116	13C2 PFTeDA	90		50-150
STL02118	d3-NMeFOSAA	103		50-150
STL02117	d5-NEtFOSAA	118		50-150
STL02279	M2-6:2 FTS	106		50-150
STL02337	13C3 PFBS	80		50-150
STL02280	M2-8:2 FTS	143		50-150

Eurofins Burlington
Target Compound Quantitation Report

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B06.d
Lims ID: 460-262622-A-5-F MSD
Client ID: BDS-20P
Sample Type: MSD
Inject. Date: 04-Aug-2022 14:42:04 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: 460-262622-A-5-F MSD
Misc. Info.: 200-0051959-006 Plate: 1 Rack: 2
Operator ID: lc812tech Instrument ID: LC812

Method: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PFC_LC812.m
Limit Group: LC_PFC_ICAL
Last Update: 05-Aug-2022 12:53:58 Calib Date: 03-Aug-2022 13:41:11
Integrator: Picker
Quant Method: Isotopic Dilution Quant By: Initial Calibration
Last ICal File: \\chromfs\Burlington\ChromData\LC812\20220803-51940.b\PA220803ICAL10.d

Column 1 : C-18 (4.60 mm) Det: EXP1
Process Host: CTX1640

First Level Reviewer: nampitakw Date: 05-Aug-2022 11:05:56
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										M
217.00 > 172.00	2.068	2.076	-0.008	0.597	1675382	1.09		87.4	6294	M
2 Perfluorobutanoic acid										M
212.90 > 169.00	2.076	2.085	-0.009	1.004	1341565	1.03		103	105	M
D 3 13C5 PFPeA										
267.90 > 223.00	2.373	2.400	-0.027	0.685	1271657	1.08		86.2	1706	
4 Perfluoropentanoic acid										M
262.90 > 219.00	2.386	2.400	-0.014	1.006	1245704	1.19		119	27.3	M
D 47 13C3 PFBS										M
301.90 > 80.00	2.400	2.413	-0.013	0.693	1267336	0.9283		79.9	55598	M
5 Perfluorobutanesulfonic acid										M
298.90 > 80.00	2.400	2.413	-0.013	1.000	1112148	0.9242	Target=2.23	105	135	M
298.90 > 99.00	2.400	2.413	-0.013	1.000	532315		2.09(1.11-3.34)		57.9	M
D 60 M2-4:2 FTS										M
329.00 > 81.00	2.701	2.713	-0.012	0.779	140053	1.19		102	35.9	M
61 1H,1H,2H,2H-perfluorohexanesulfo										M
327.00 > 307.00	2.701	2.713	-0.012	1.000	293868	1.03		110	135	M
6 Perfluorohexanoic acid										M
313.00 > 269.00	2.737	2.750	-0.013	1.000	1206400	1.11	Target=12.24	111	55.5	
313.00 > 119.00	2.737	2.750	-0.013	1.000	92976		12.98(6.12-18.36)		58.4	M
D 7 13C2 PFHxA										
315.00 > 270.00	2.737	2.750	-0.013	0.790	1302295	1.11		88.4	2369	
70 Perfluoropentanesulfonic acid										M
349.00 > 80.00	2.737	2.750	-0.013	0.883	1039419	1.02	Target=2.95	109	132	M
349.00 > 99.00	2.737	2.750	-0.013	0.883	349498		2.97(1.48-4.43)		150	M
D 64 13C3 HFPO-DA										
287.00 > 169.00	2.847	2.859	-0.012	0.822	241726	1.09		87.2	1224	

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	2.859	-0.012	1.000	220731	1.06		106	921	M
D 11 18O2 PFHxS										
403.00 > 84.00	3.099	3.110	-0.011	0.894	928791	0.9673		81.8	2233	
8 Perfluorohexanesulfonic acid										M
399.00 > 80.00	3.099	3.110	-0.011	1.000	851622	0.9831	Target=3.43	108	125	M
399.00 > 99.00	3.099	3.110	-0.011	1.000	251456		3.39(1.72-5.15)		93.0	M
D 9 13C4 PFHpA										M
367.00 > 322.00	3.099	3.121	-0.022	0.894	1325611	1.08		86.8	1827	M
10 Perfluoroheptanoic acid										M
363.00 > 319.00	3.110	3.121	-0.011	1.004	1228516	1.12	Target=3.73	112	66.0	M
363.00 > 169.00	3.099	3.121	-0.022	1.000	328304		3.74(1.86-5.59)		346	
77 DONA										
377.00 > 251.00	3.143	3.154	-0.011	0.831	2595990	1.16	Target=2.84	123	1571	
377.00 > 85.00	3.143	3.154	-0.011	0.831	924104		2.81(1.42-4.26)		676	
D 12 M2-6:2 FTS										M
429.00 > 81.00	3.447	3.465	-0.018	0.995	201404	1.25		106	102	M
13 1H,1H,2H,2H-perfluorooctanesulfo										M
427.00 > 407.00	3.447	3.465	-0.018	1.000	257566	1.03		108	531	M
16 Perfluoroheptanesulfonic acid										M
449.00 > 80.00	3.447	3.465	-0.018	0.911	733964	1.09	Target=4.89	114	191	M
449.00 > 99.00	3.447	3.465	-0.018	0.911	150353		4.88(2.44-7.33)		176	M
15 Perfluorooctanoic acid										M
413.00 > 369.00	3.465	3.474	-0.009	1.003	1625446	1.27	Target=2.67	127	71.5	M
413.00 > 169.00	3.465	3.474	-0.009	1.003	607164		2.68(1.34-4.01)		499	M
D 14 13C4 PFOA										M
417.00 > 372.00	3.456	3.474	-0.018	0.997	1426209	1.14		91.1	2018	M
* 62 13C2 PFOA										
415.00 > 370.00	3.465	3.474	-0.009		1643080	1.25			3212	
17 Perfluorooctanesulfonic acid										M
499.00 > 80.00	3.783	3.792	-0.009	1.000	1495068	2.74	Target=4.88	295	294	M
499.00 > 99.00	3.783	3.792	-0.009	1.000	325243		4.60(2.44-7.32)		276	M
D 18 13C4 PFOS										
503.00 > 80.00	3.783	3.792	-0.009	1.092	651024	0.9080		76.0	222	
20 Perfluorononanoic acid										M
463.00 > 419.00	3.802	3.812	-0.010	1.000	1347578	1.13	Target=8.23	113	103	
463.00 > 169.00	3.802	3.812	-0.010	1.000	160376		8.40(4.11-12.34)		382	M
D 19 13C5 PFNA										M
468.00 > 423.00	3.802	3.812	-0.010	1.097	1467274	1.13		90.3	1652	M
69 9-Chlorohexadecafluoro-3-oxanona										
531.00 > 351.00	3.951	3.960	-0.009	1.044	988930	1.03		110	1592	
68 Perfluorononanesulfonic acid										M
549.00 > 80.00	4.071	4.093	-0.022	1.076	444048	1.04	Target=2.53	108	175	
549.00 > 99.00	4.071	4.093	-0.022	1.076	179222		2.48(1.26-3.79)		233	M
24 Perfluorodecanoic acid										M
513.00 > 469.00	4.104	4.116	-0.012	1.000	1429188	1.17	Target=9.67	117	162	M
513.00 > 169.00	4.104	4.116	-0.012	1.000	151646		9.42(4.83-14.50)		188	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
D 23 13C2 PFDA										M
515.00 > 470.00	4.104	4.116	-0.012	1.184	1452892	1.15		91.9	2530	M
25 1H,1H,2H,2H-perfluorodecanesulfo										
527.00 > 507.00	4.115	4.127	-0.012	1.000	278228	1.04		109	1494	
D 26 M2-8:2 FTS										M
529.00 > 81.00	4.115	4.127	-0.012	1.188	331204	1.71		143	173	M
D 21 13C8 FOSA										M
506.00 > 78.00	4.150	4.161	-0.011	1.198	979556	0.8847		70.8	1416	M
22 Perfluorooctanesulfonamide										
498.00 > 78.00	4.150	4.161	-0.011	1.000	885179	1.11		111	202	
28 N-methylperfluorooctanesulfonami										M
570.00 > 419.00	4.249	4.261	-0.012	1.000	183604	1.18		118	549	M
D 27 d3-NMeFOSAA										M
573.00 > 419.00	4.249	4.261	-0.012	1.226	219326	1.29		103	409	M
29 Perfluorodecanesulfonic acid										M
599.00 > 80.00	4.342	4.365	-0.023	1.148	335338	1.06	Target=2.80	110	168	
599.00 > 99.00	4.342	4.365	-0.023	1.148	133002		2.52(1.40-4.20)		269	M
D 30 13C2 PFUnA										M
565.00 > 520.00	4.376	4.387	-0.011	1.263	1189645	1.24		99.3	1397	M
31 Perfluoroundecanoic acid										
563.00 > 519.00	4.376	4.387	-0.011	1.000	1111346	1.10	Target=9.07	110	225	
563.00 > 169.00	4.376	4.387	-0.011	1.000	118779		9.36(4.54-13.61)		349	
33 N-ethylperfluorooctanesulfonamid										M
584.00 > 419.00	4.387	4.399	-0.012	1.000	189698	1.10		110	518	M
D 32 d5-NEtFOSAA										
589.00 > 419.00	4.387	4.399	-0.012	1.266	237386	1.48		118	556	
66 11-Chloroeicosafluoro-3-oxaundec										M
631.00 > 451.00	4.478	4.491	-0.013	1.184	1178900	0.9412		99.9	2038	M
D 36 13C2 PFDoA										
615.00 > 570.00	4.612	4.633	-0.021	1.331	1136386	1.14		91.5	3648	
37 Perfluorododecanoic acid										M
613.00 > 569.00	4.612	4.633	-0.021	1.000	998127	1.08	Target=6.97	108	197	M
613.00 > 169.00	4.612	4.633	-0.021	1.000	146591		6.81(3.48-10.45)		401	M
74 1H,1H,2H,2H-perfluorododecanesul										M
627.00 > 607.00	4.633	4.654	-0.021	1.126	155730	1.25		129	1590	M
75 Perfluorododecanesulfonic acid (										M
699.00 > 80.00	4.794	4.813	-0.019	1.267	143243	1.02	Target=0.52	105	113	
699.00 > 99.00	4.794	4.813	-0.019	1.267	275072		0.52(0.26-0.79)		839	M
41 Perfluorotridecanoic acid										M
663.00 > 619.00	4.837	4.859	-0.022	1.049	781805	0.9782	Target=4.56	97.8	222	M
663.00 > 169.00	4.837	4.859	-0.022	1.049	184937		4.23(2.28-6.84)		391	M
D 43 13C2 PFTeDA										M
715.00 > 670.00	5.032	5.052	-0.020	1.452	912661	1.12		89.9	2522	M
42 Perfluorotetradecanoic acid										M
713.00 > 169.00	5.032	5.052	-0.020	1.000	128660	1.10	Target=0.94	110	487	
713.00 > 219.00	5.032	5.052	-0.020	1.000	141432		0.91(0.47-1.41)		691	M

Signal	RT	EXP RT	DLT RT	REL RT	Response	Amount ng/ml	Ratio(Limits)	%Rec	S/N	Flags
45 Perfluorohexadecanoic acid										
813.00 > 769.00	5.400	5.422	-0.022	1.000	670120	1.13	Target=4.38	113	519	
813.00 > 169.00	5.400	5.422	-0.022	1.000	152382		4.40(2.19-6.57)		622	
D 44 13C2 PFHxDA										
815.00 > 770.00	5.400	5.422	-0.022	1.558	811961	0.8779		70.2	2941	
46 Perfluorooctadecanoic acid										M
913.00 > 869.00	5.767	5.795	-0.028	1.068	492667	1.14	Target=4.31	114	353	M
913.00 > 169.00	5.758	5.795	-0.037	1.066	113864		4.33(2.16-6.47)		315	

QC Flag Legend

Processing Flags

Review Flags

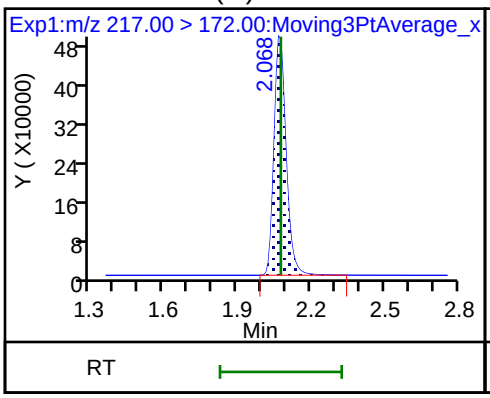
M - Manually Integrated

Report Date: 05-Aug-2022 12:54:20 Chrom Revision: 2.3 04-Aug-2022 18:02:28

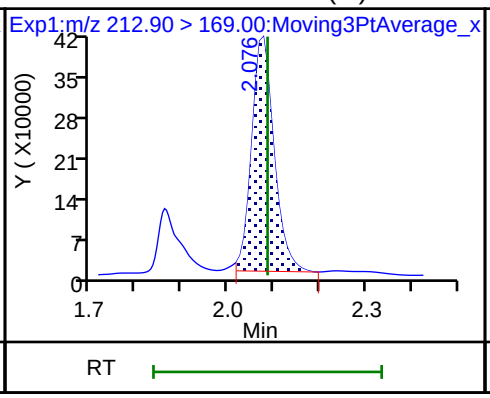
Eurofins Burlington

Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B06.d
Injection Date: 04-Aug-2022 14:42:04 Instrument ID: LC812
Lims ID: 460-262622-A-5-F MSD
Client ID: BDS-20P
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL

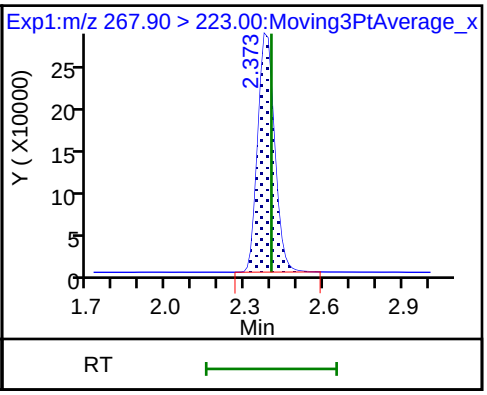
D 1 13C4 PFBA (M)



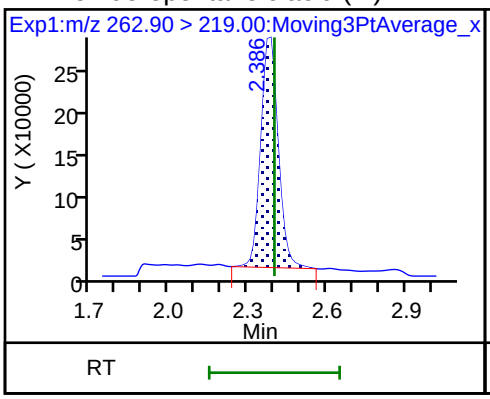
2 Perfluorobutanoic acid (M)



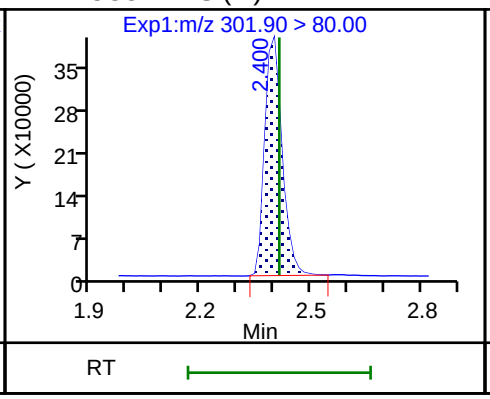
D 3 13C5 PFPeA



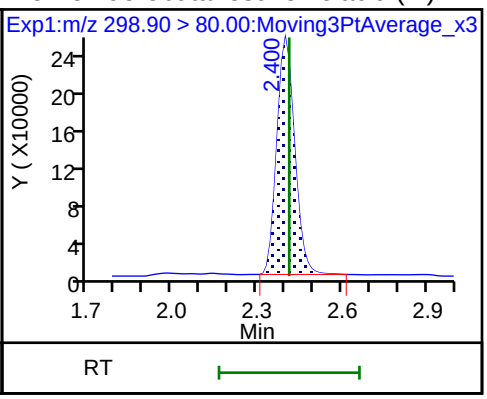
4 Perfluoropentanoic acid (M)



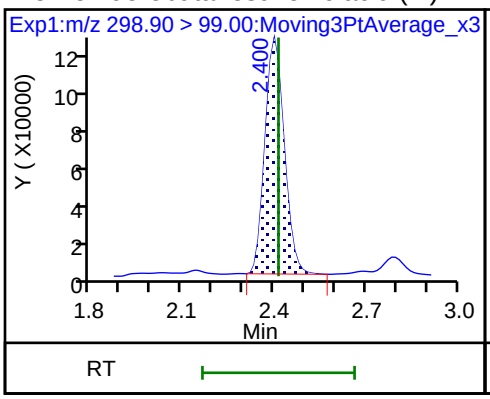
D 47 13C3 PFBS (M)



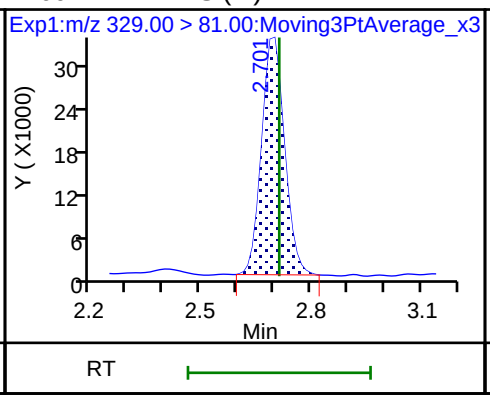
5 Perfluorobutanesulfonic acid (M)



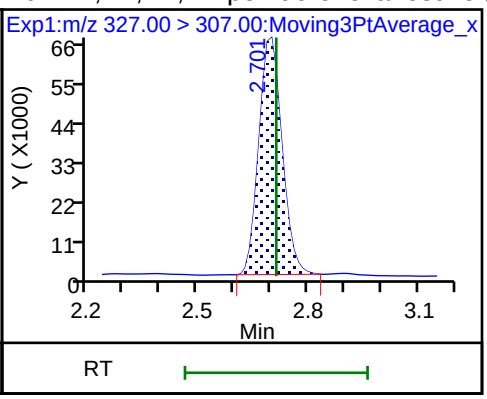
5 Perfluorobutanesulfonic acid (M)



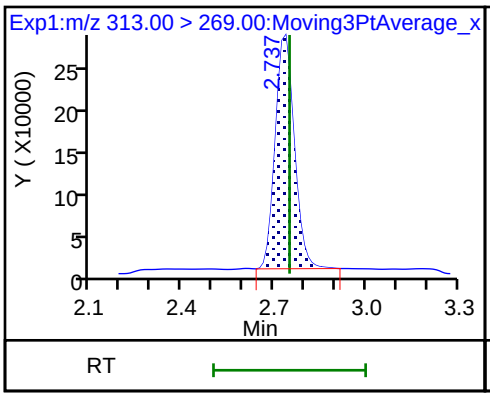
D 60 M2-4:2 FTS (M)



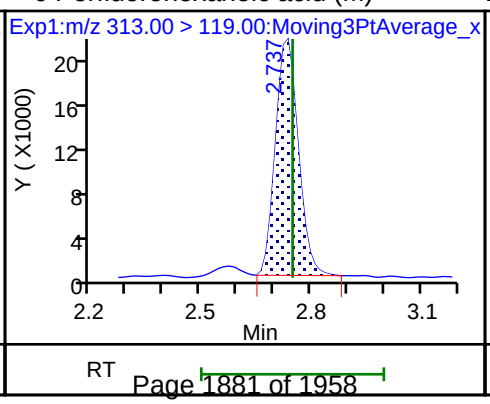
61 1H,1H,2H,2H-perfluorohexanesulfo (M)



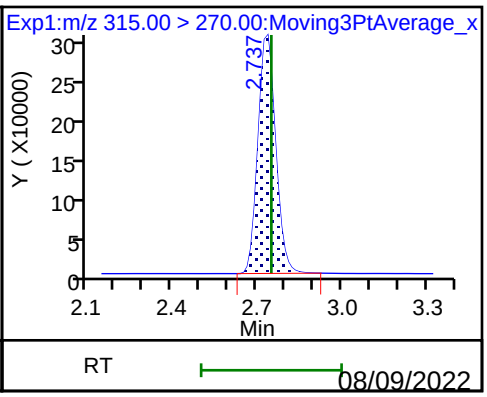
6 Perfluorohexanoic acid



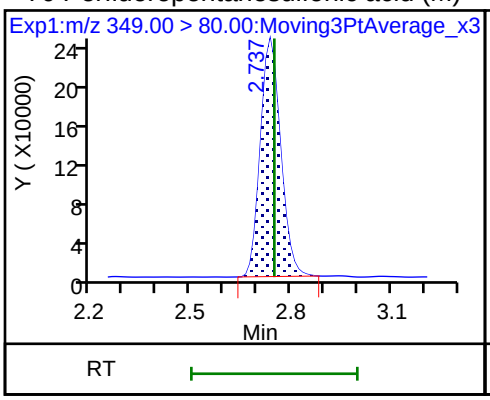
6 Perfluorohexanoic acid (M)



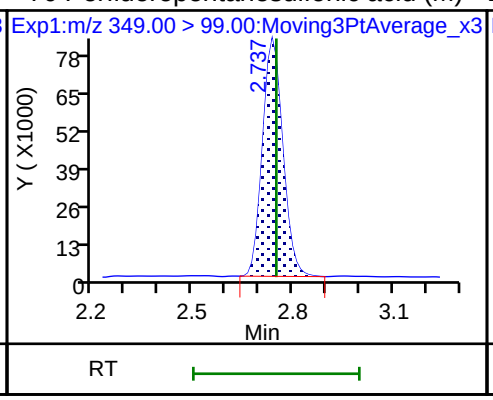
D 7 13C2 PFHxA



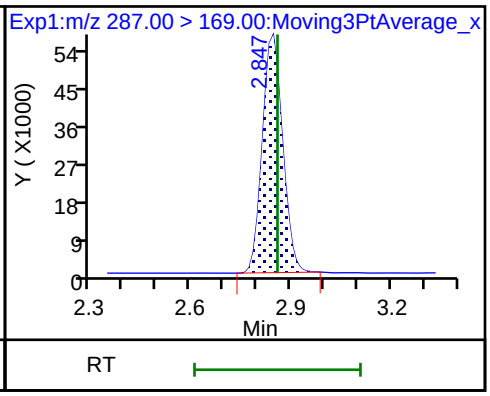
70 Perfluoropentanesulfonic acid (M)



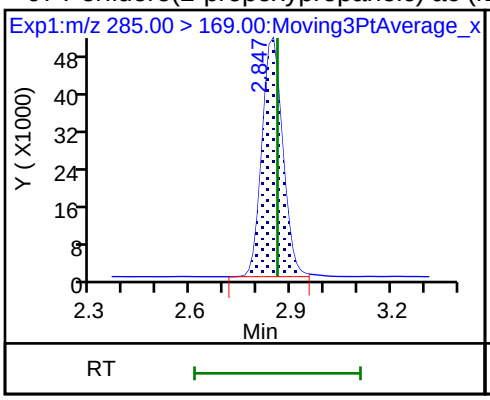
70 Perfluoropentanesulfonic acid (M)



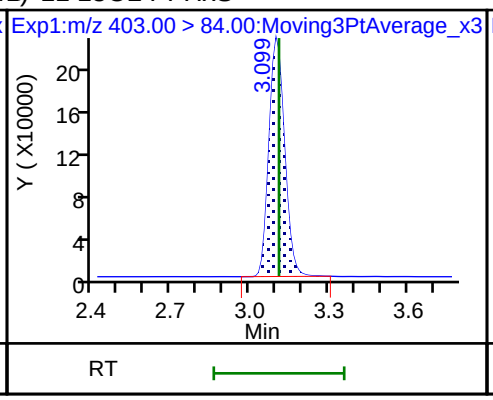
D 64 13C3 HFPO-DA



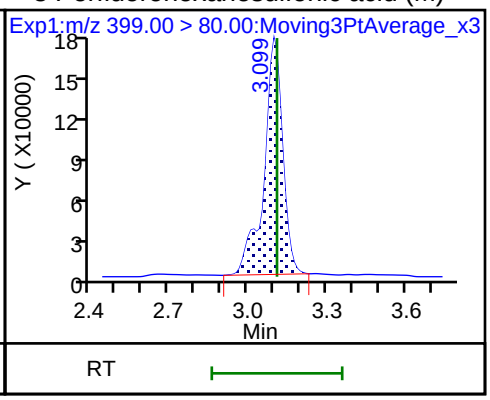
67 Perfluoro(2-propoxypropanoic) ac (M)



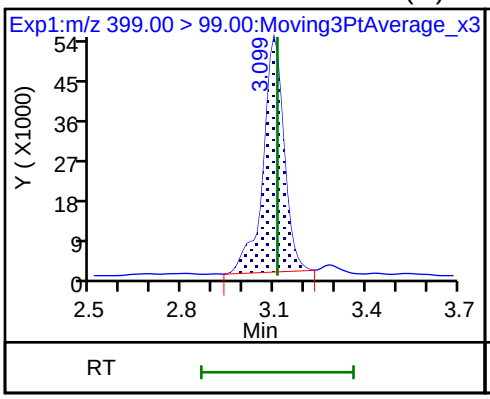
D 11 18O2 PFHxS



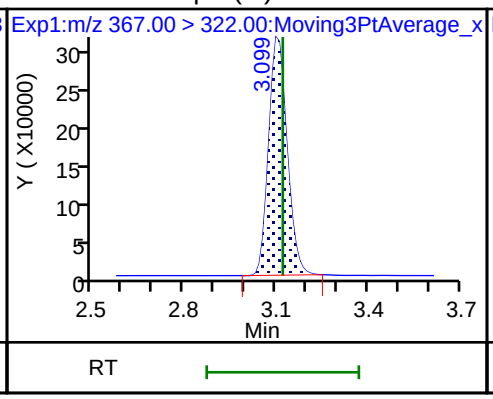
8 Perfluorohexanesulfonic acid (M)



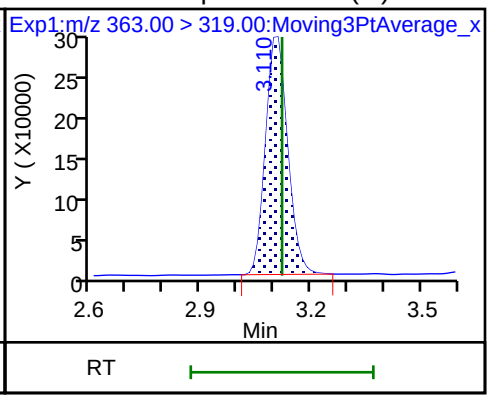
8 Perfluorohexanesulfonic acid (M)



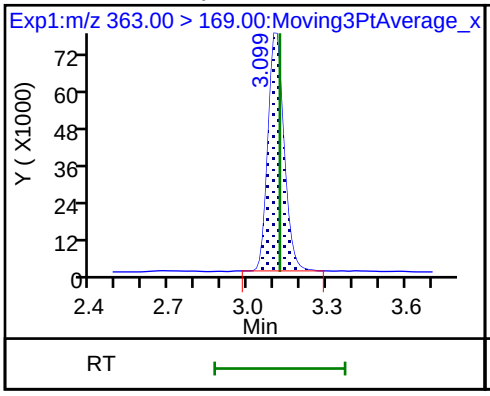
D 9 13C4 PFHpA (M)



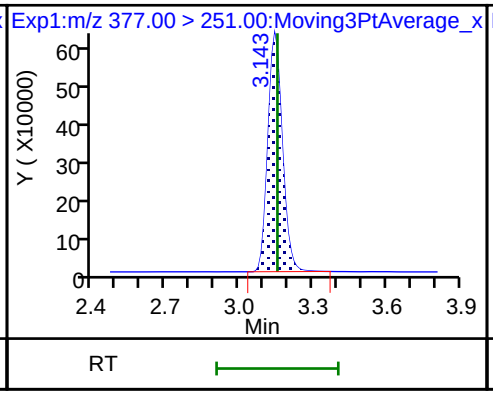
10 Perfluoroheptanoic acid (M)



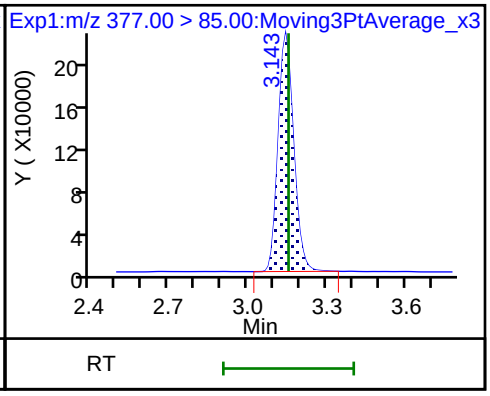
10 Perfluoroheptanoic acid



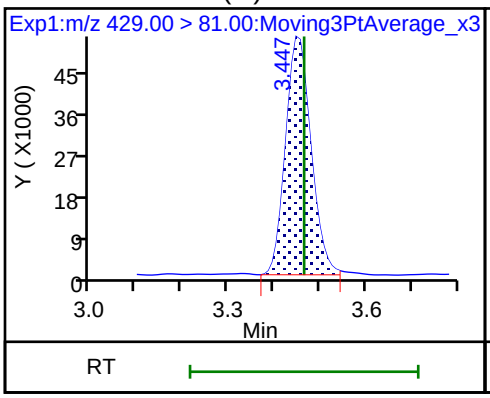
77 DONA



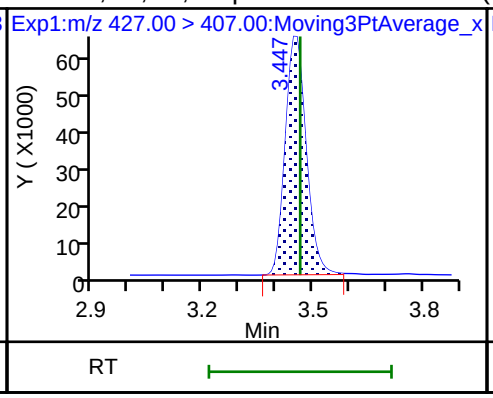
77 DONA



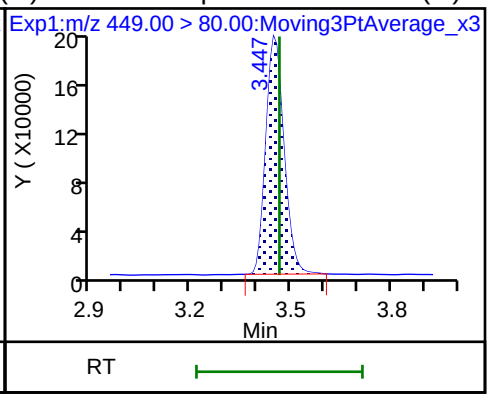
D 12 M2-6:2 FTS (M)



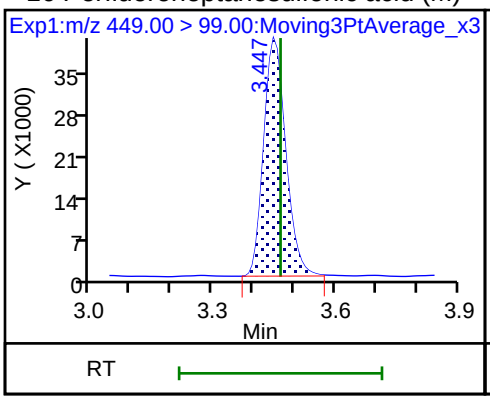
13 1H,1H,2H,2H-perfluorooctanesulfo (M)



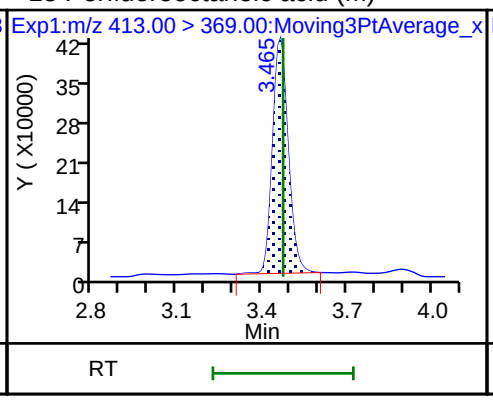
16 Perfluoroheptanesulfonic acid (M)



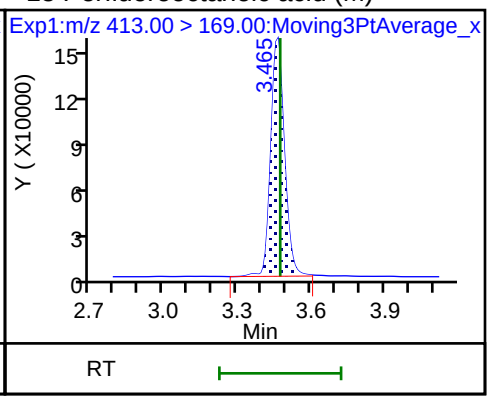
16 Perfluoroheptanesulfonic acid (M)



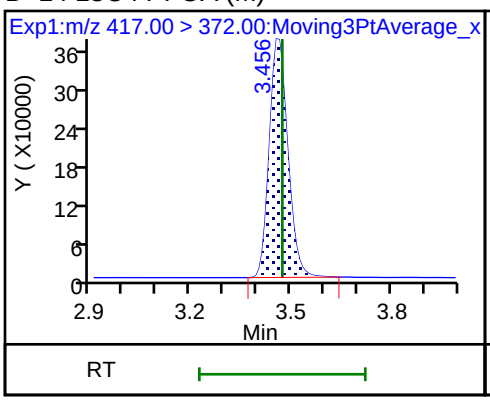
15 Perfluorooctanoic acid (M)



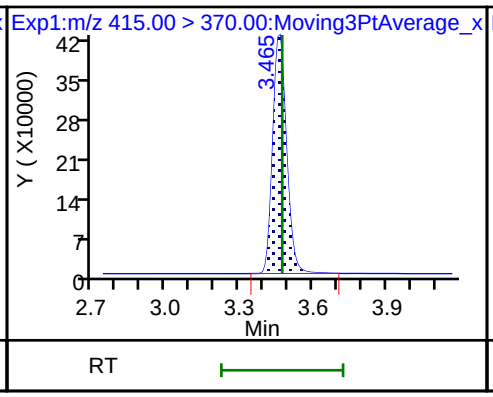
15 Perfluorooctanoic acid (M)



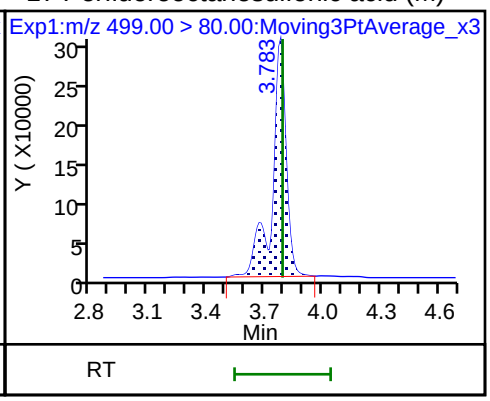
D 14 13C4 PFOA (M)



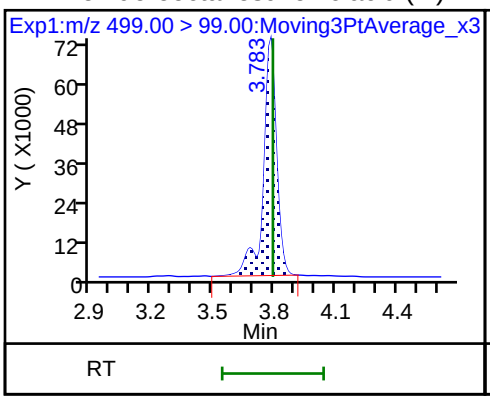
* 62 13C2 PFOA



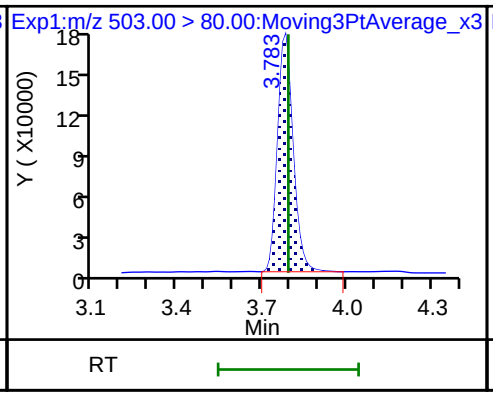
17 Perfluorooctanesulfonic acid (M)



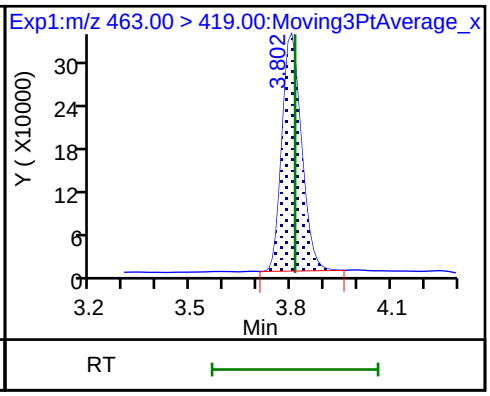
17 Perfluorooctanesulfonic acid (M)



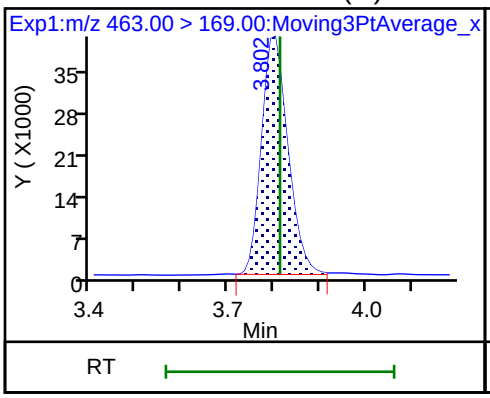
D 18 13C4 PFOS



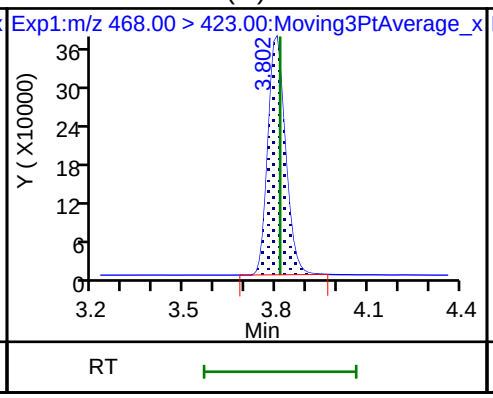
20 Perfluorononanoic acid



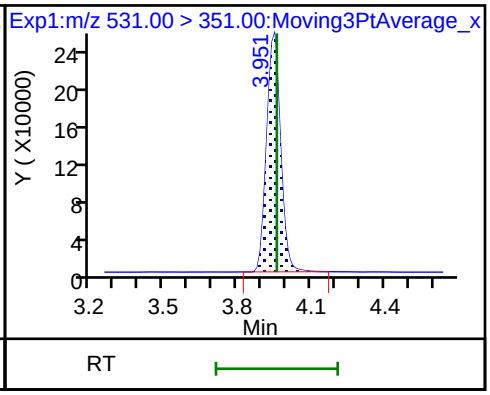
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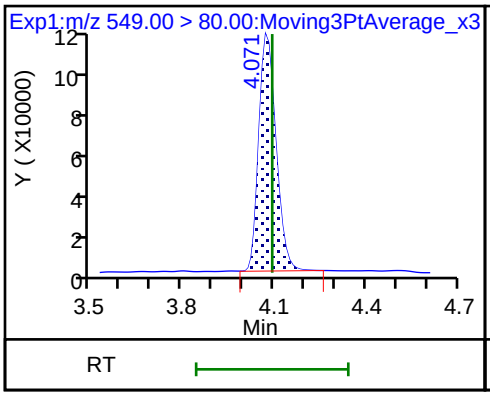
D 19 13C5 PFNA (M)



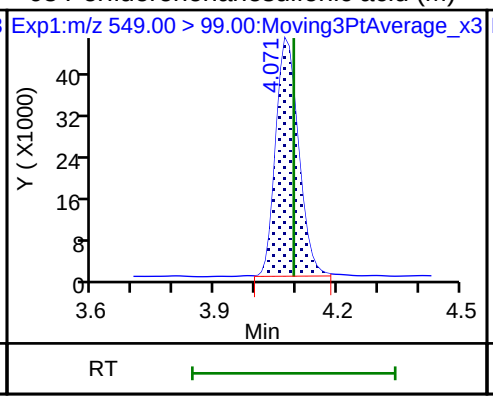
69 9-Chlorohexadecafluoro-3-oxanona



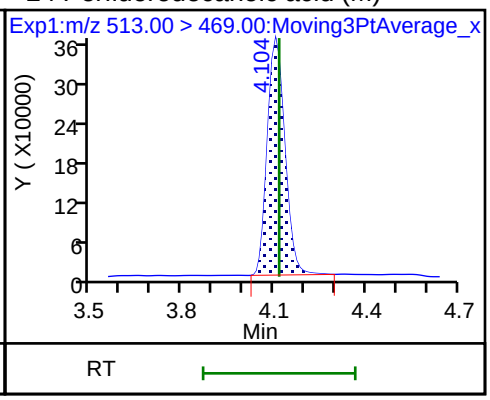
68 Perfluorononanesulfonic acid



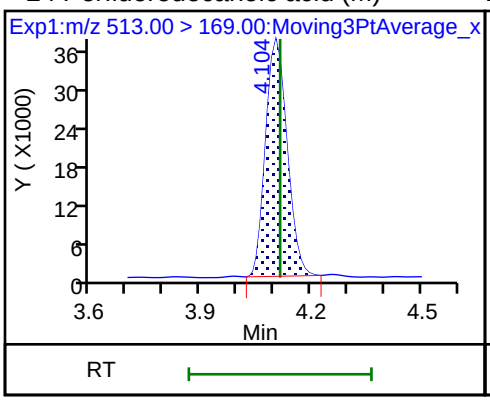
68 Perfluorononanesulfonic acid (M)



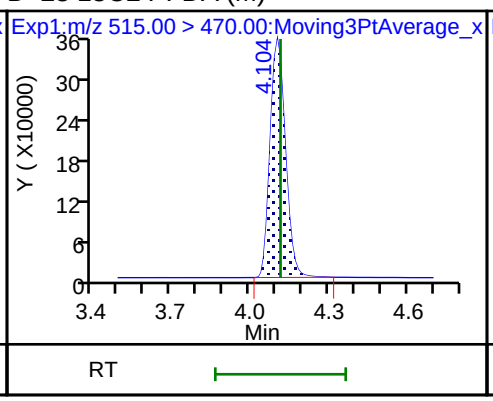
24 Perfluorodecanoic acid (M)



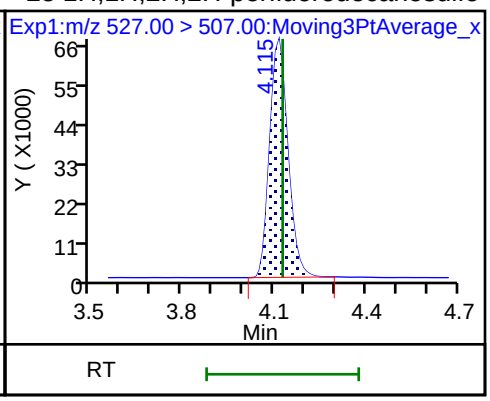
24 Perfluorodecanoic acid (M)



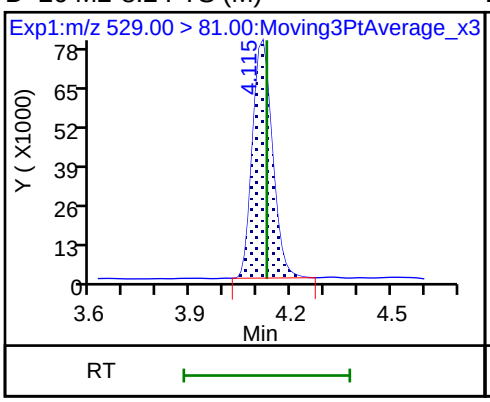
D 23 13C2 PFDA (M)



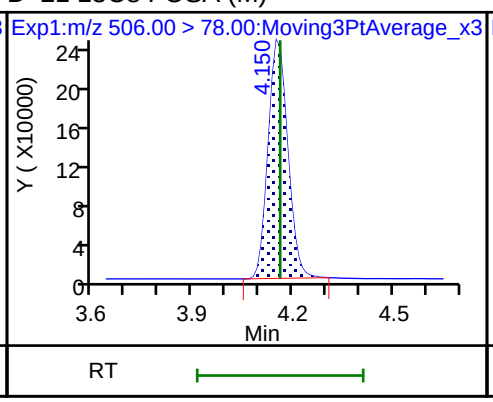
25 1H,1H,2H,2H-perfluorodecanesulfo



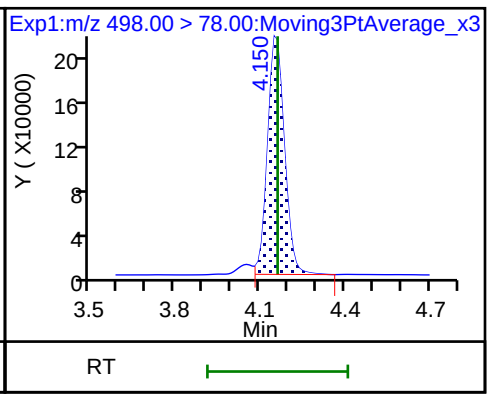
D 26 M2-8:2 FTS (M)



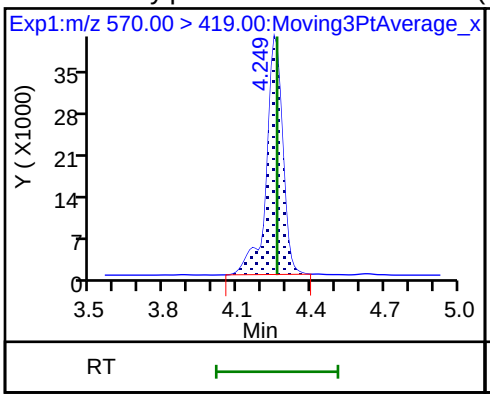
D 21 13C8 FOSA (M)



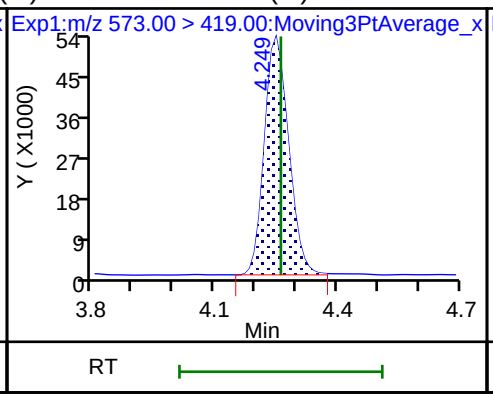
22 Perfluorooctanesulfonamide



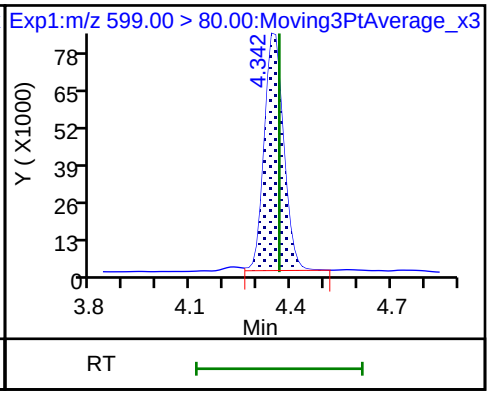
28 N-methylperfluorooctanesulfonami (M)



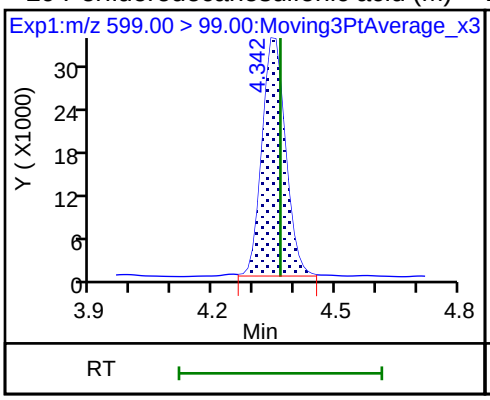
D 27 d3-NMeFOSAA (M)



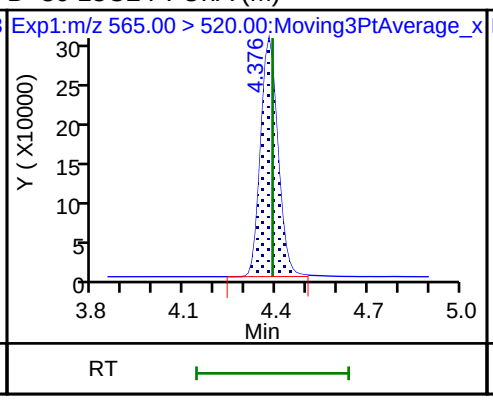
29 Perfluorodecanesulfonic acid



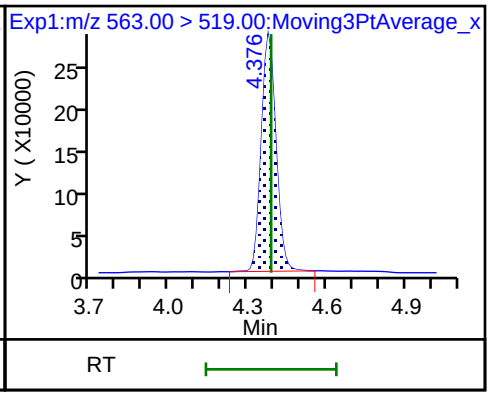
29 Perfluorodecanesulfonic acid (M)



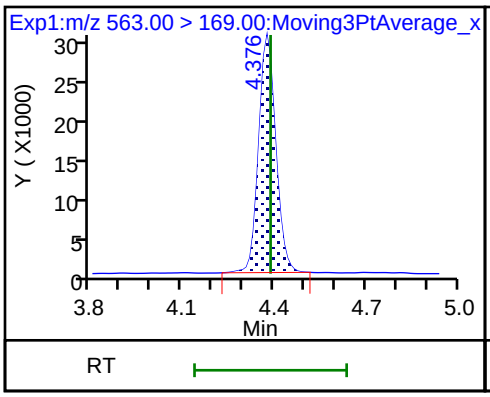
D 30 13C2 PFUnA (M)



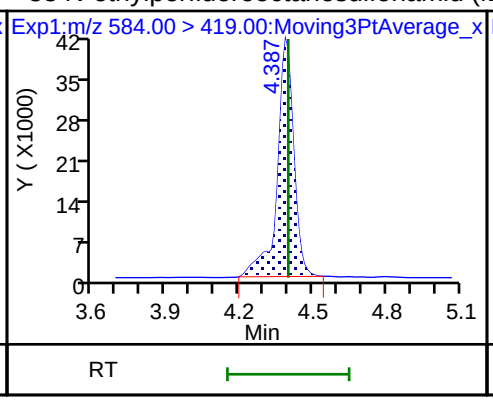
31 Perfluoroundecanoic acid



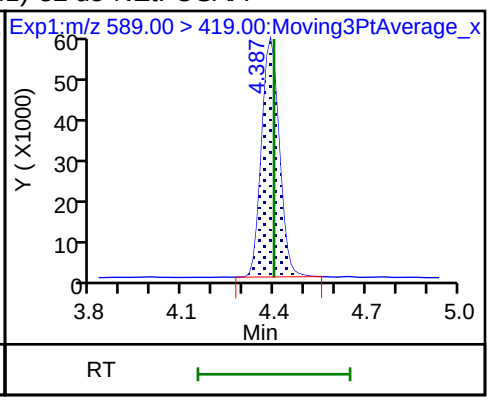
31 Perfluoroundecanoic acid



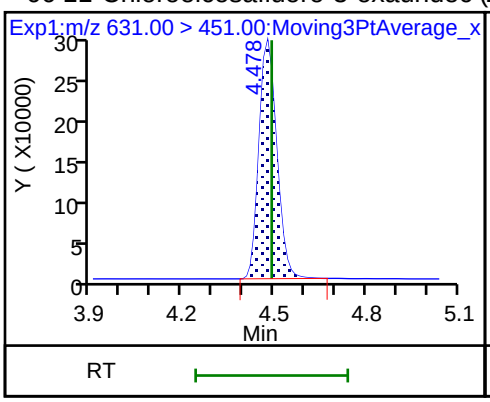
33 N-ethylperfluorooctanesulfonamid (M)



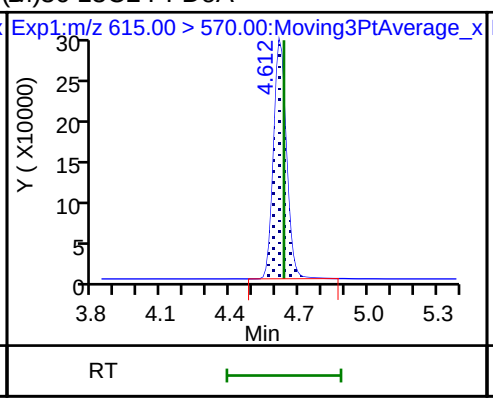
D 32 d5-NEtFOSAA



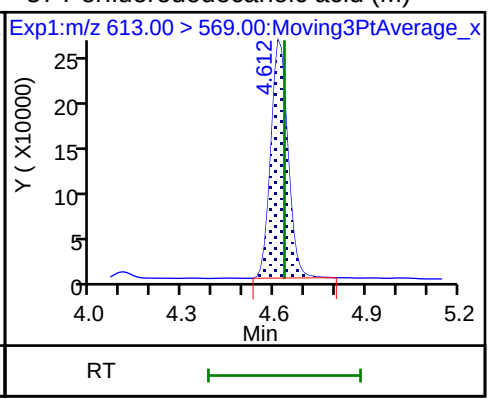
66 11-Chloroeicosafluoro-3-oxaundec (M)



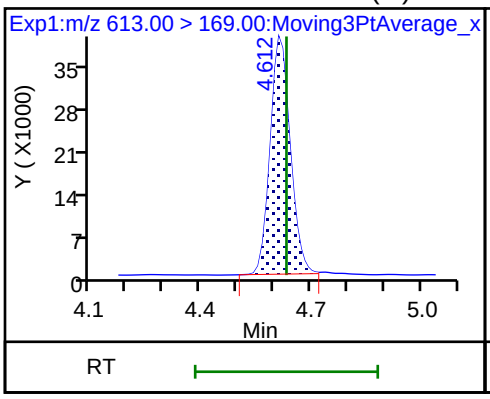
D 36 13C2 PFDoA



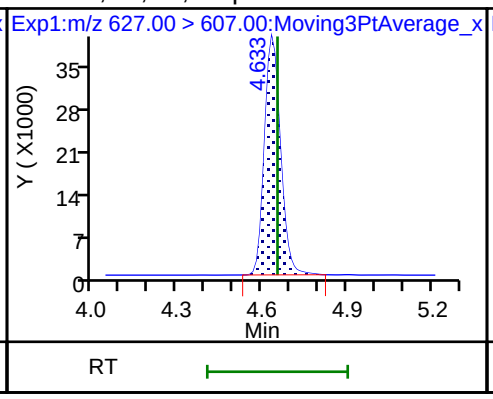
37 Perfluorododecanoic acid (M)



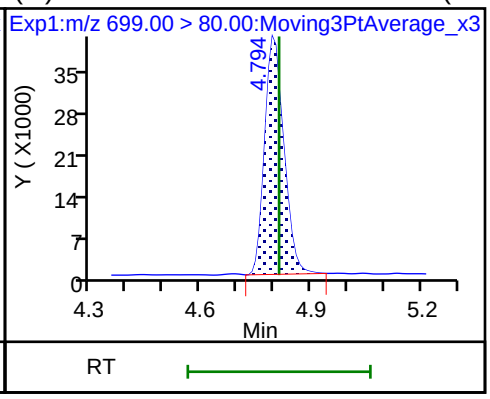
37 Perfluorododecanoic acid (M)



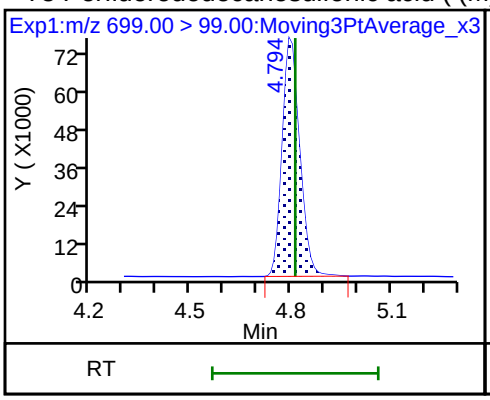
74 1H,1H,2H,2H-perfluorododecanesul (M)



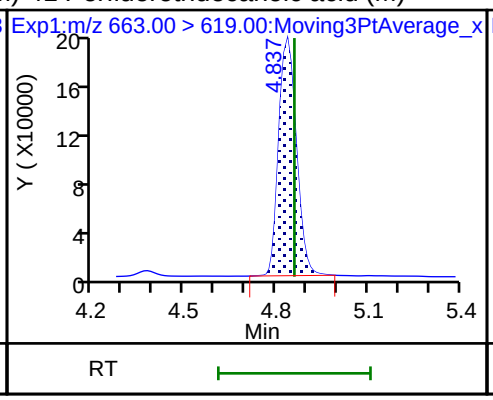
75 Perfluorododecanesulfonic acid (



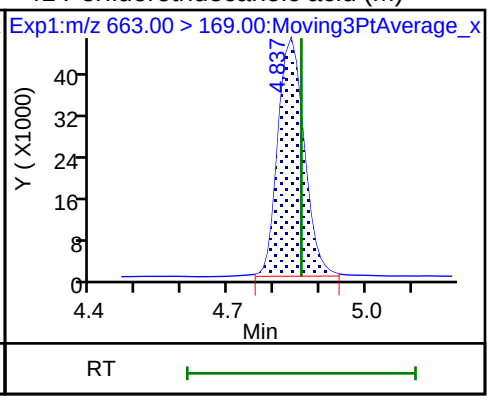
75 Perfluorododecanesulfonic acid ((M)



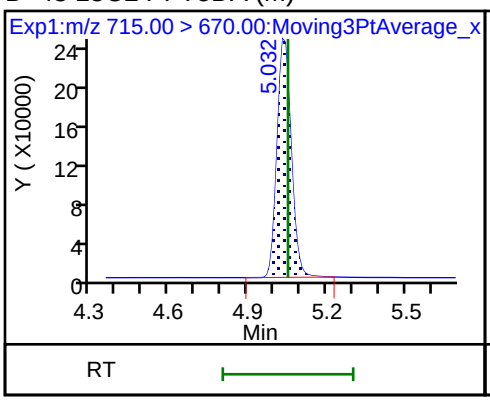
41 Perfluorotridecanoic acid (M)



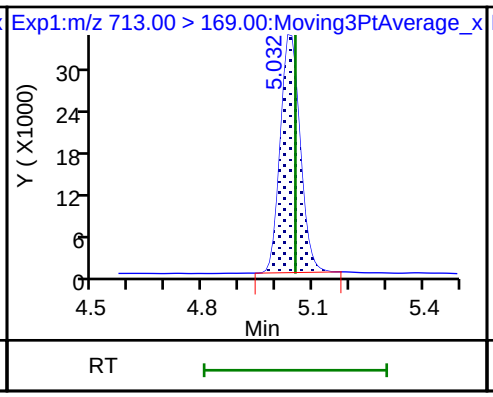
41 Perfluorotridecanoic acid (M)



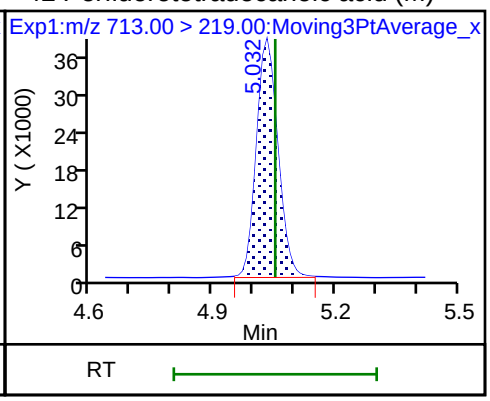
D 43 13C2 PFTeDA (M)



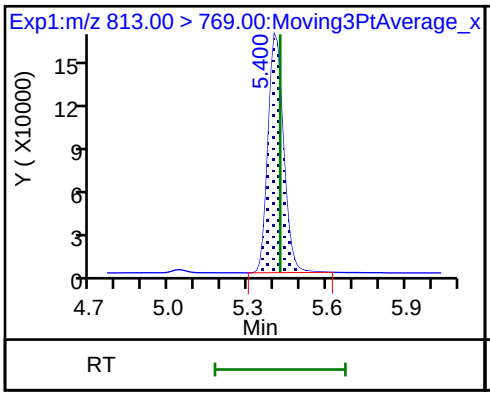
42 Perfluorotetradecanoic acid



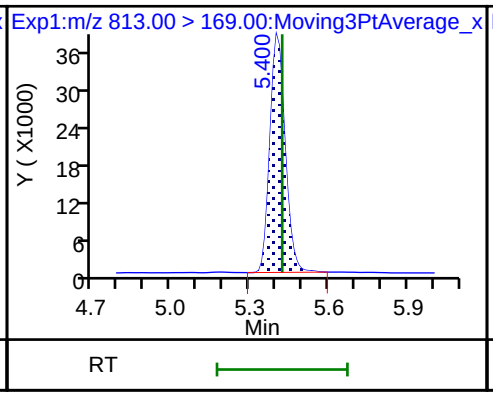
42 Perfluorotetradecanoic acid (M)



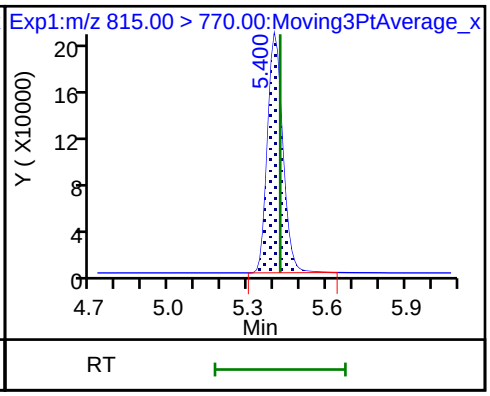
45 Perfluorohexadecanoic acid



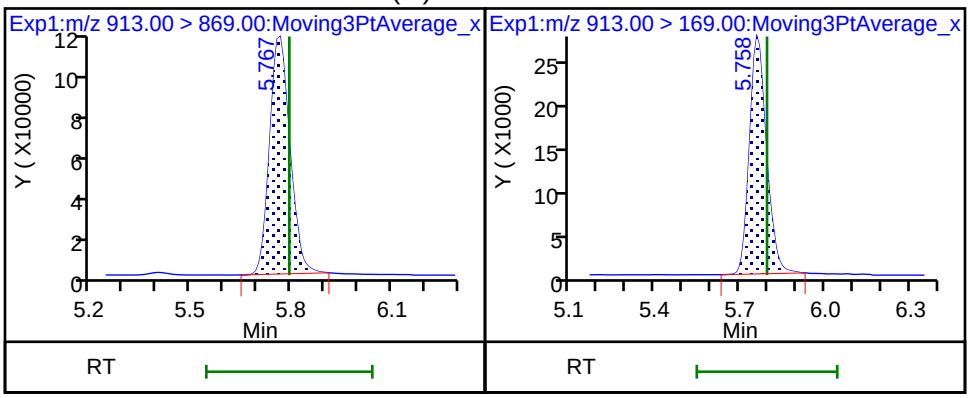
45 Perfluorohexadecanoic acid



D 44 13C2 PFHxDA



46 Perfluorooctadecanoic acid (M) 46 Perfluorooctadecanoic acid



Manual Integration/User Assign Peak Report

Eurofins Burlington

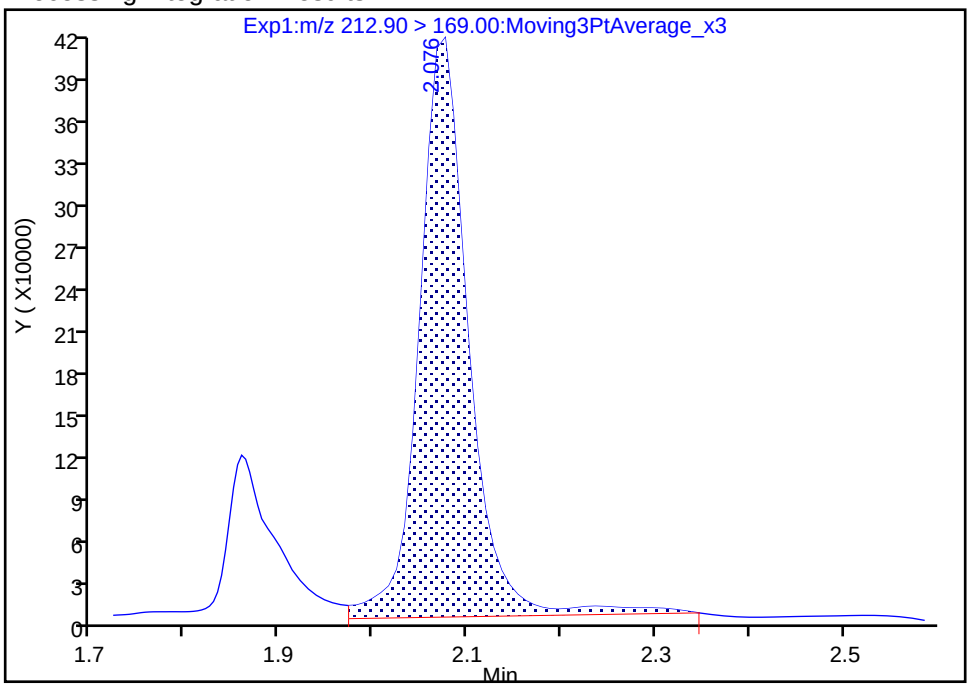
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B06.d				
Injection Date:	04-Aug-2022 14:42:04	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-F MSD				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

2 Perfluorobutanoic acid, CAS: 375-22-4

Signal: 1

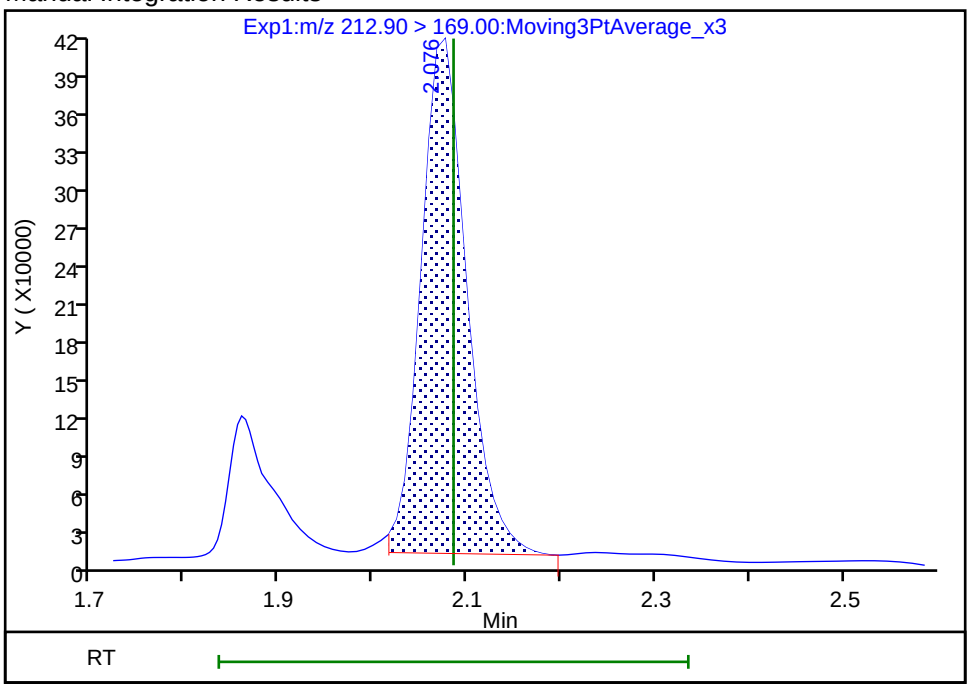
Processing Integration Results

RT: 2.08
Area: 1478799
Amount: 1.137006
Amount Units: ng/ml



Manual Integration Results

RT: 2.08
Area: 1341565
Amount: 1.032226
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:15:12

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

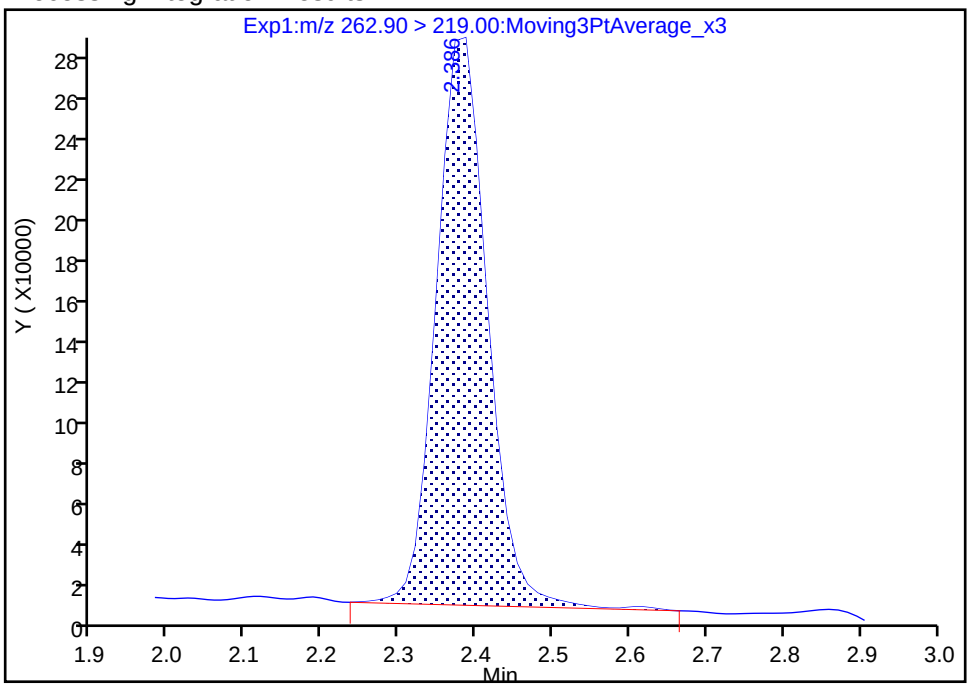
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Injection Date: 04-Aug-2022 14:42:04 Instrument ID: LC812
Lims ID: 460-262622-A-5-F MSD
Client ID: BDS-20P
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

4 Perfluoropentanoic acid, CAS: 2706-90-3

Signal: 1

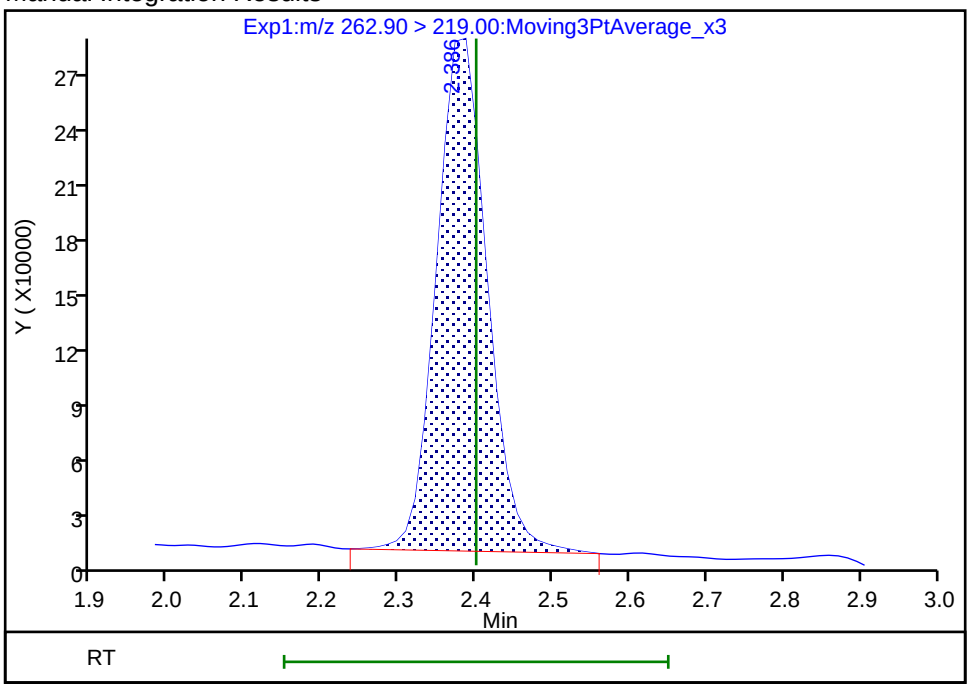
Processing Integration Results

RT: 2.39
Area: 1255880
Amount: 1.197445
Amount Units: ng/ml



Manual Integration Results

RT: 2.39
Area: 1245704
Amount: 1.187743
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:02:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

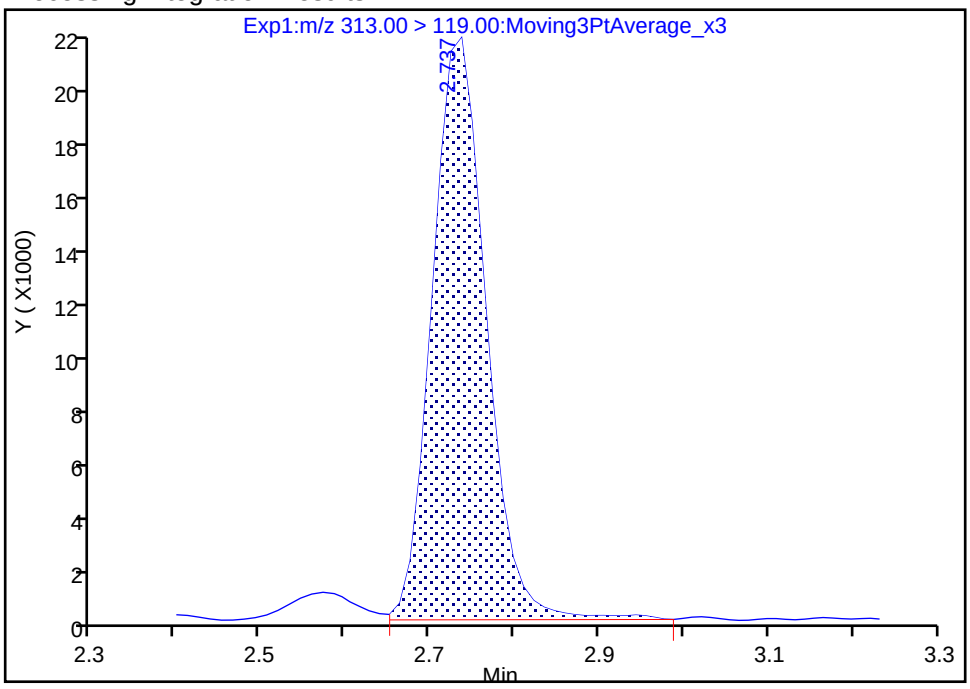
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Injection Date:	04-Aug-2022 14:42:04	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-F MSD				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

6 Perfluorohexanoic acid, CAS: 307-24-4

Signal: 2

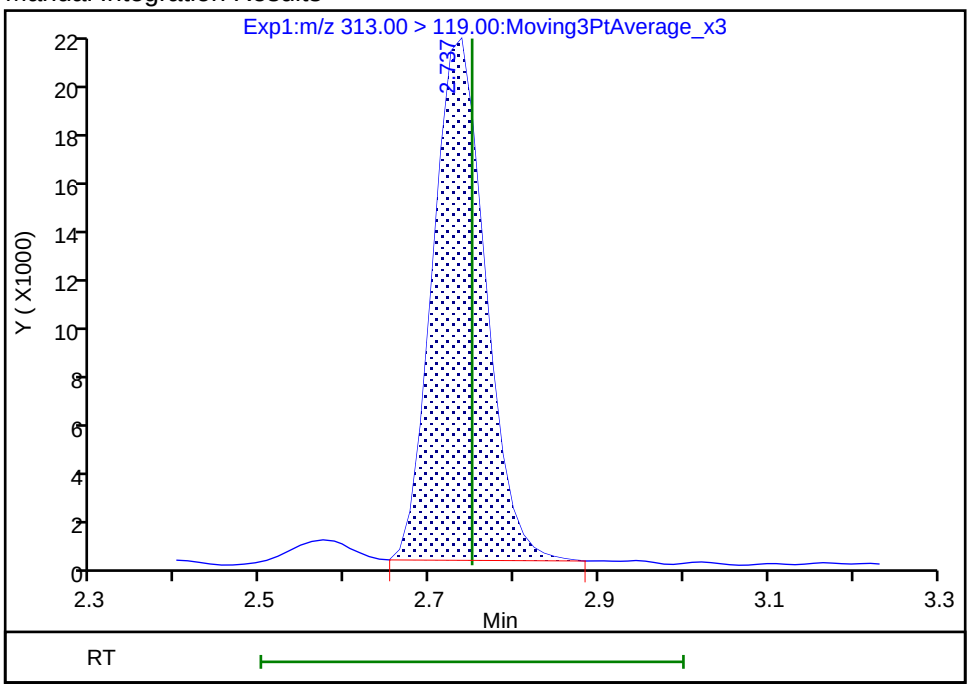
Processing Integration Results

RT: 2.74
Area: 96128
Amount: 1.109728
Amount Units: ng/ml



Manual Integration Results

RT: 2.74
Area: 92976
Amount: 1.109728
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:02:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

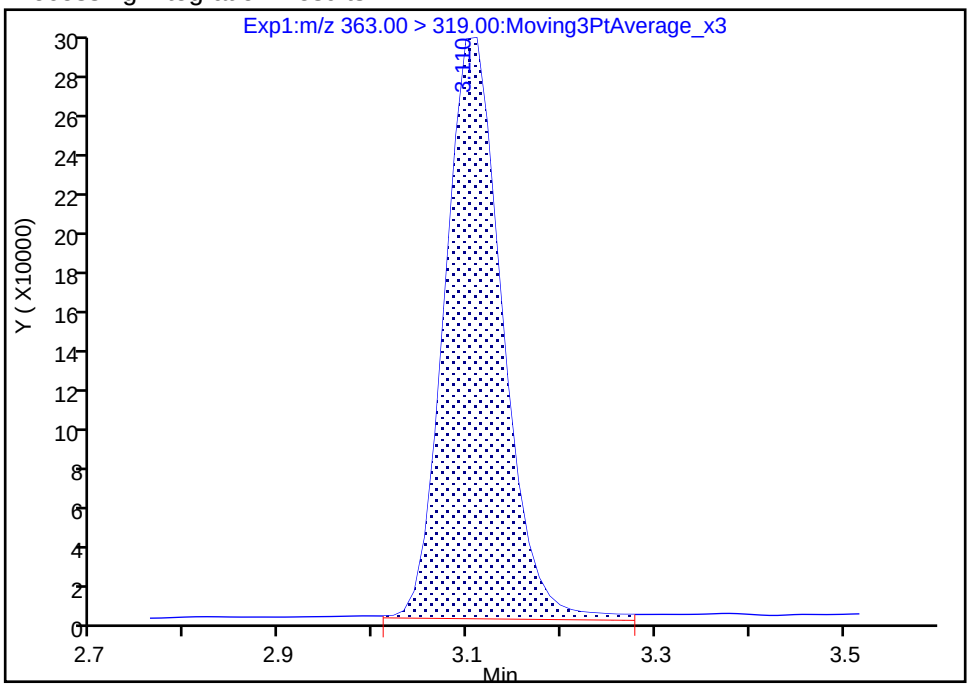
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Injection Date:	04-Aug-2022 14:42:04	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-F MSD				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

10 Perfluoroheptanoic acid, CAS: 375-85-9

Signal: 1

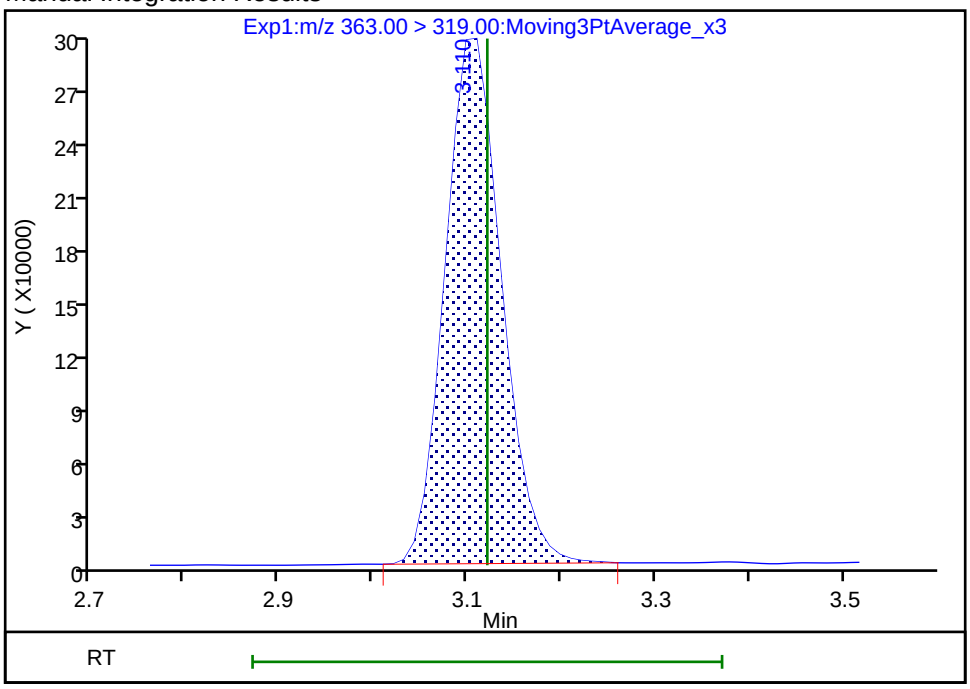
Processing Integration Results

RT: 3.11
Area: 1261179
Amount: 1.145075
Amount Units: ng/ml



Manual Integration Results

RT: 3.11
Area: 1228516
Amount: 1.124048
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:03:11
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

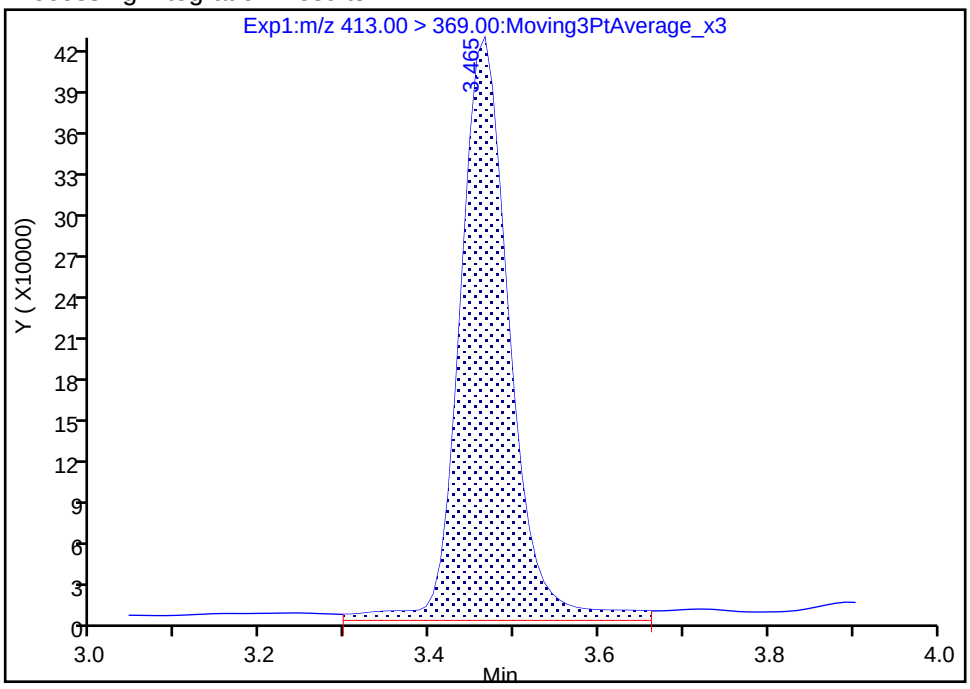
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B06.d				
Injection Date:	04-Aug-2022 14:42:04	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-F MSD				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 1

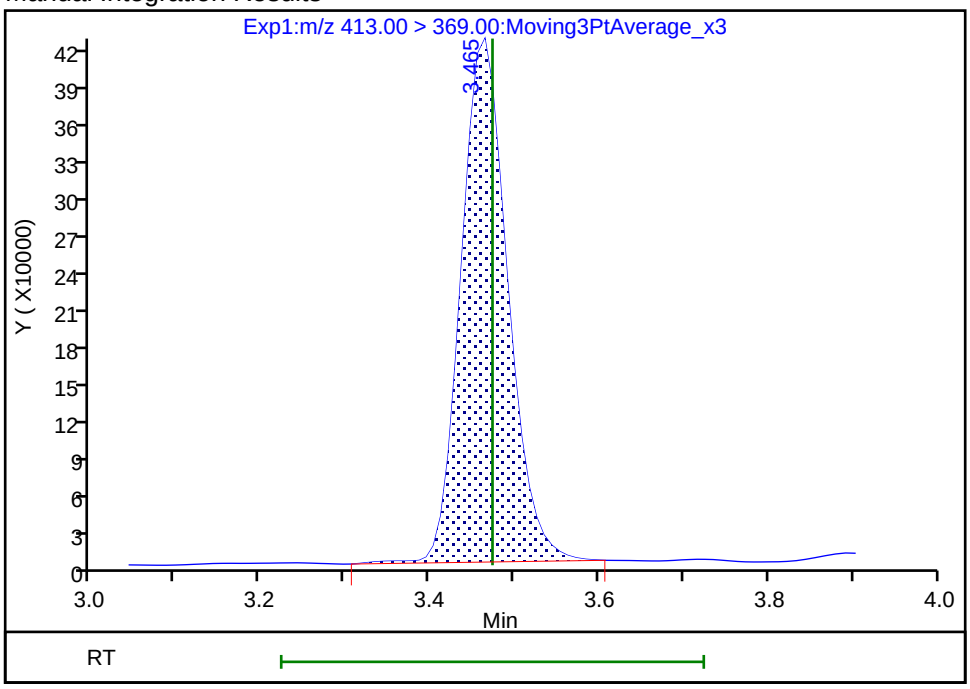
Processing Integration Results

RT: 3.46
Area: 1760131
Amount: 1.375662
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 1625446
Amount: 1.270397
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:03:40

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

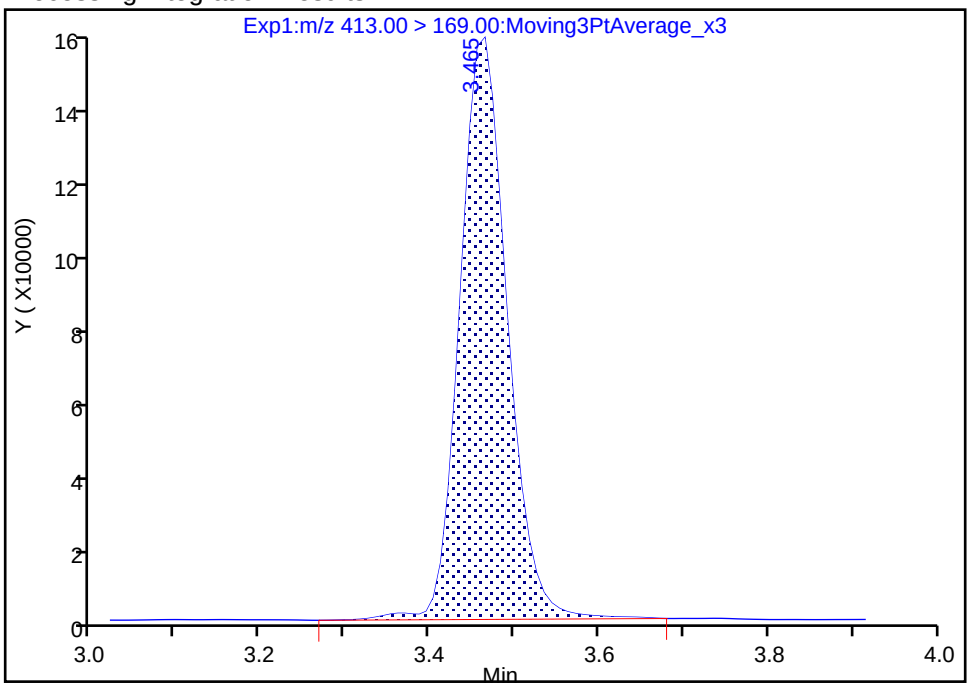
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B06.d
Injection Date: 04-Aug-2022 14:42:04 Instrument ID: LC812
Lims ID: 460-262622-A-5-F MSD
Client ID: BDS-20P
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

15 Perfluorooctanoic acid, CAS: 335-67-1

Signal: 2

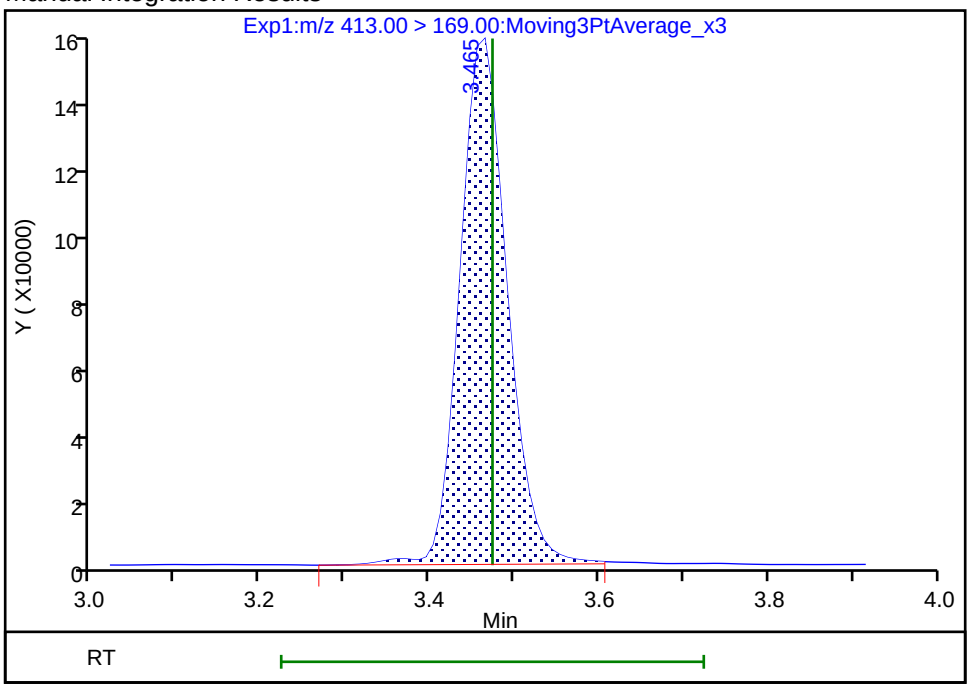
Processing Integration Results

RT: 3.46
Area: 608693
Amount: 1.375662
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 607164
Amount: 1.270397
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:03:44
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

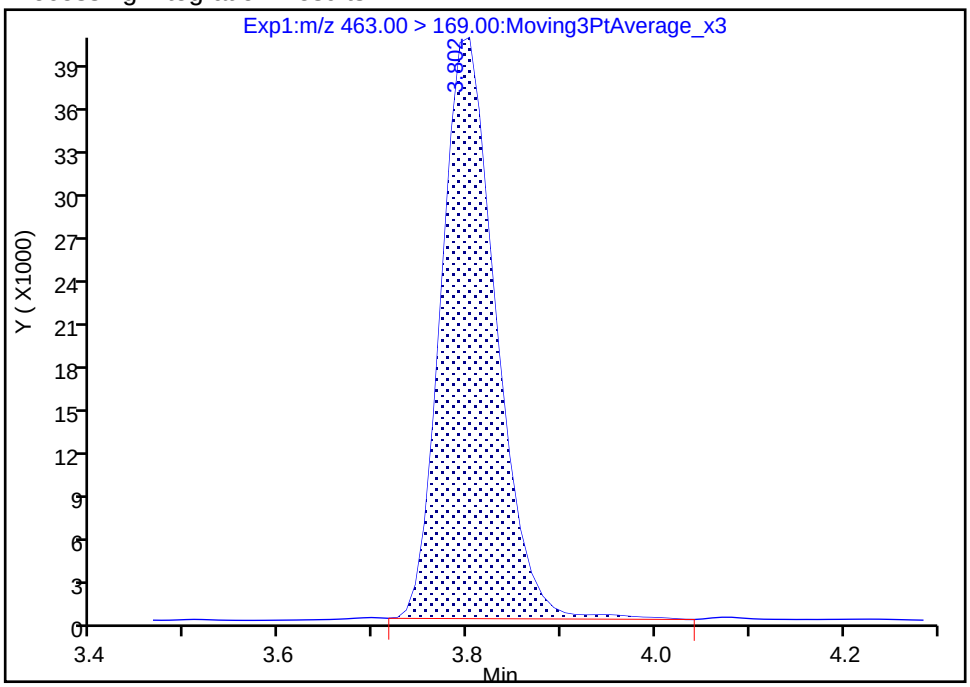
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Injection Date:	04-Aug-2022 14:42:04	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-F MSD				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

20 Perfluorononanoic acid, CAS: 375-95-1

Signal: 2

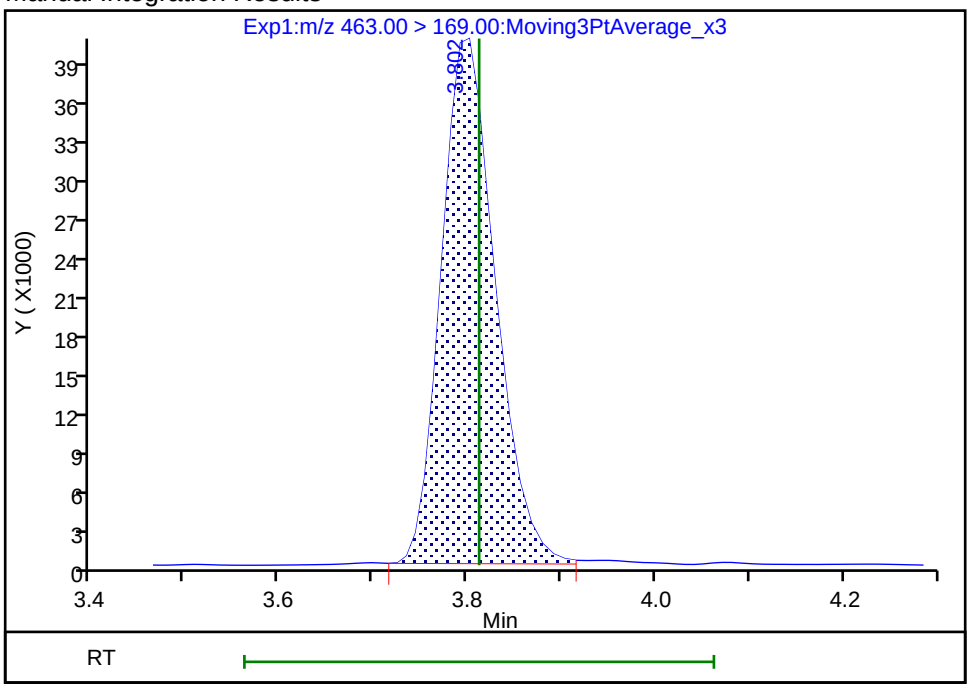
Processing Integration Results

RT: 3.80
Area: 161647
Amount: 1.121306
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 160376
Amount: 1.128294
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:04:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

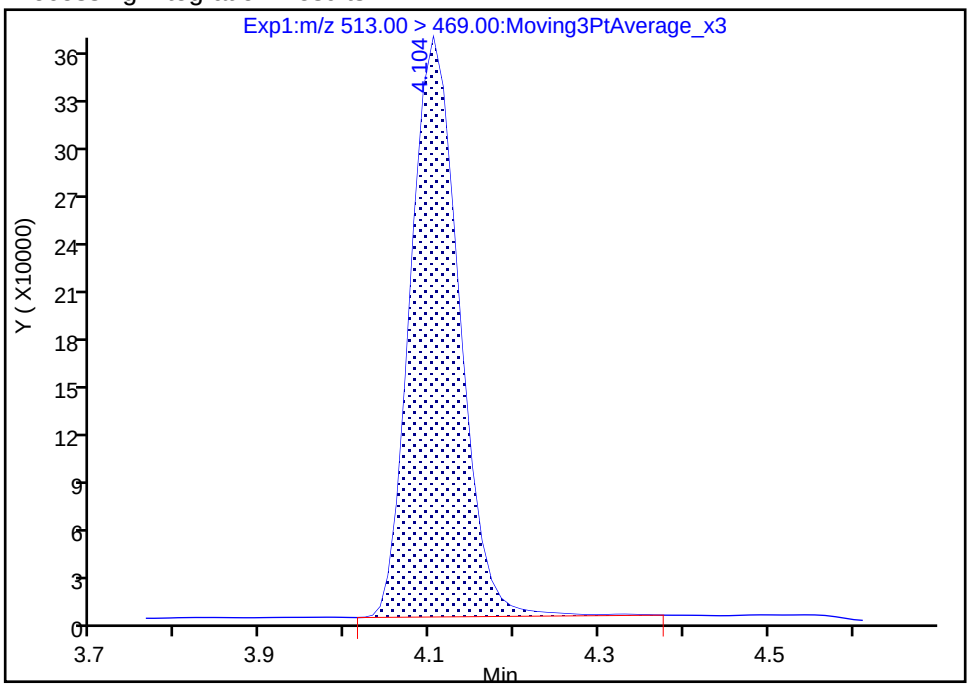
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B06.d				
Injection Date:	04-Aug-2022 14:42:04	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-F MSD				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 1

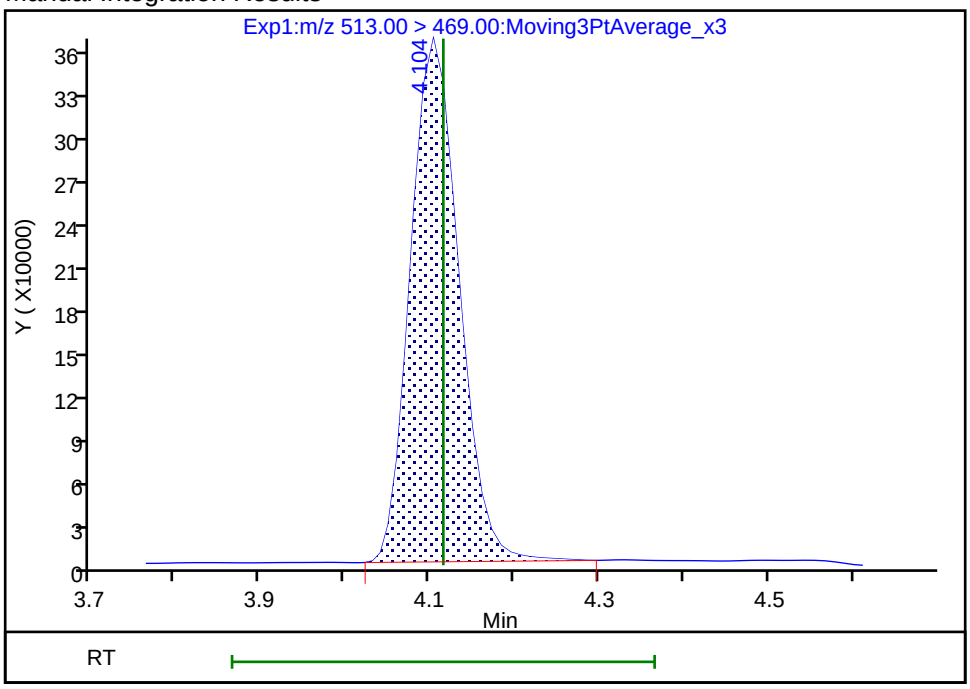
Processing Integration Results

RT: 4.10
Area: 1435528
Amount: 1.174349
Amount Units: ng/ml



Manual Integration Results

RT: 4.10
Area: 1429188
Amount: 1.169163
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:04:16

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

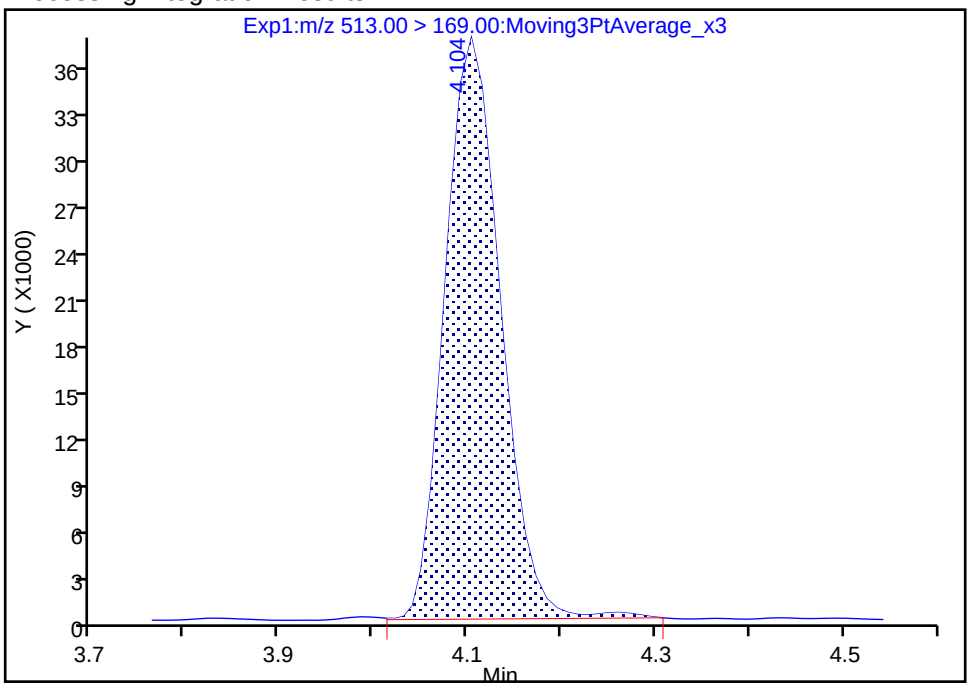
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B06.d				
Injection Date:	04-Aug-2022 14:42:04	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-F MSD				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

24 Perfluorodecanoic acid, CAS: 335-76-2

Signal: 2

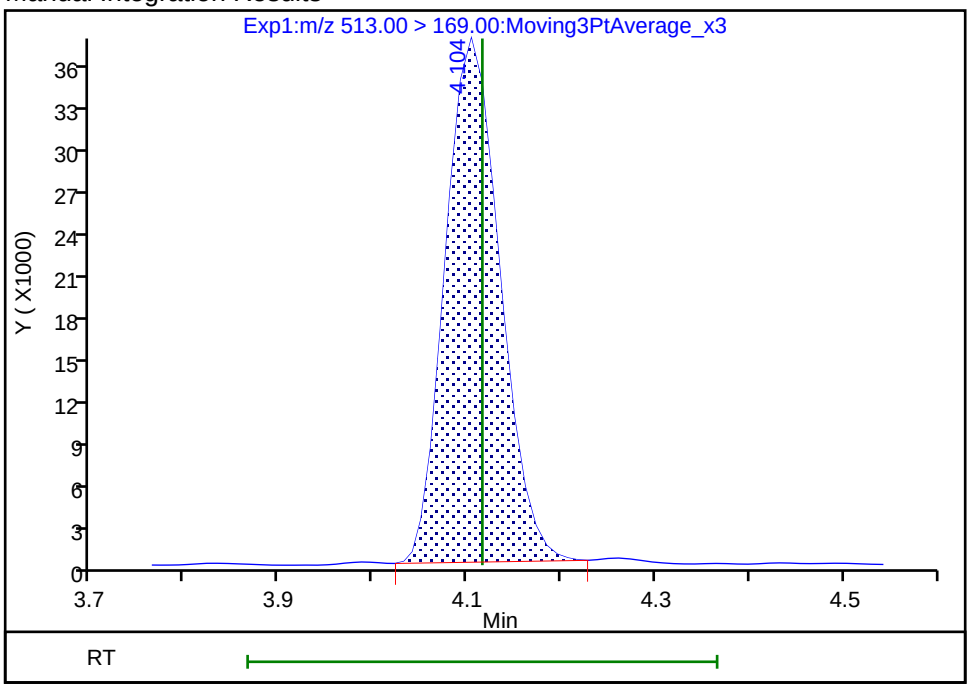
Processing Integration Results

RT: 4.10
Area: 154635
Amount: 1.174349
Amount Units: ng/ml



Manual Integration Results

RT: 4.10
Area: 151646
Amount: 1.169163
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:04:20
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

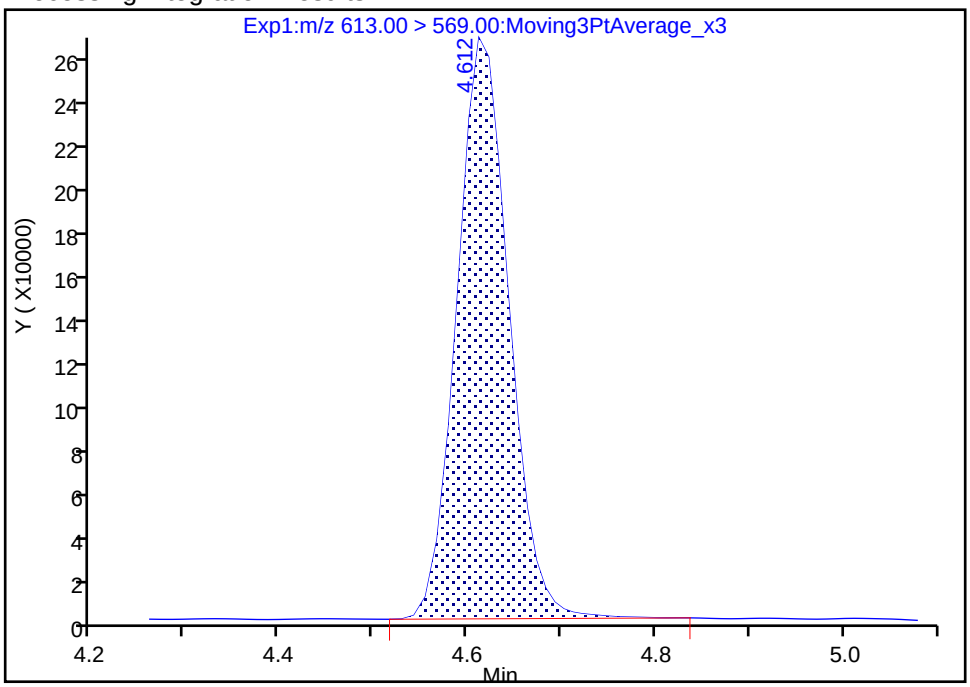
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Injection Date:	04-Aug-2022 14:42:04	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-F MSD				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 1

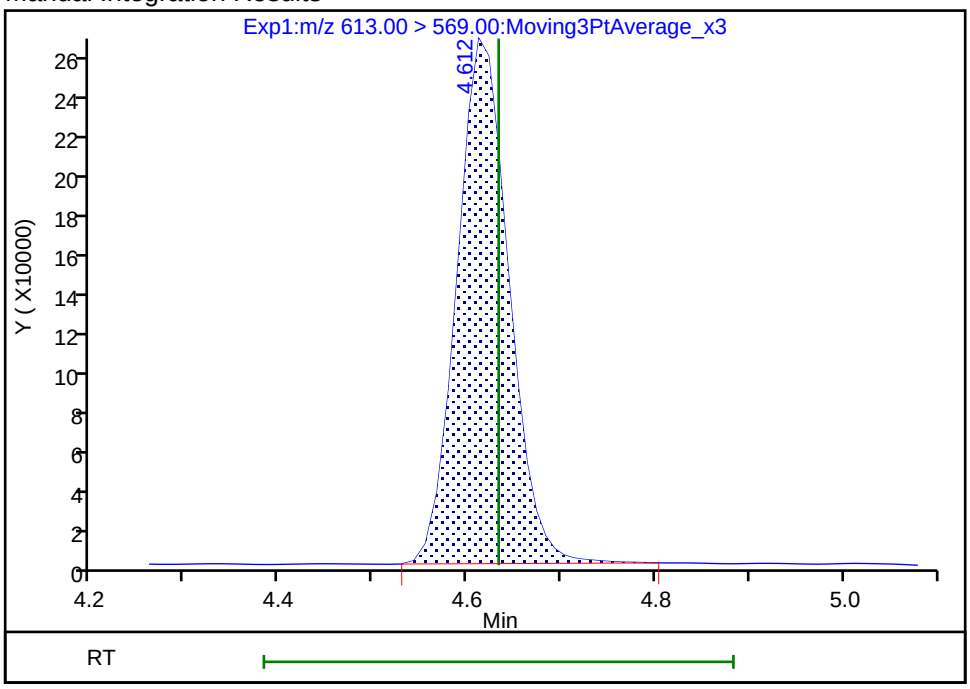
Processing Integration Results

RT: 4.61
Area: 999914
Amount: 1.084557
Amount Units: ng/ml



Manual Integration Results

RT: 4.61
Area: 998127
Amount: 1.082618
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:05:15

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

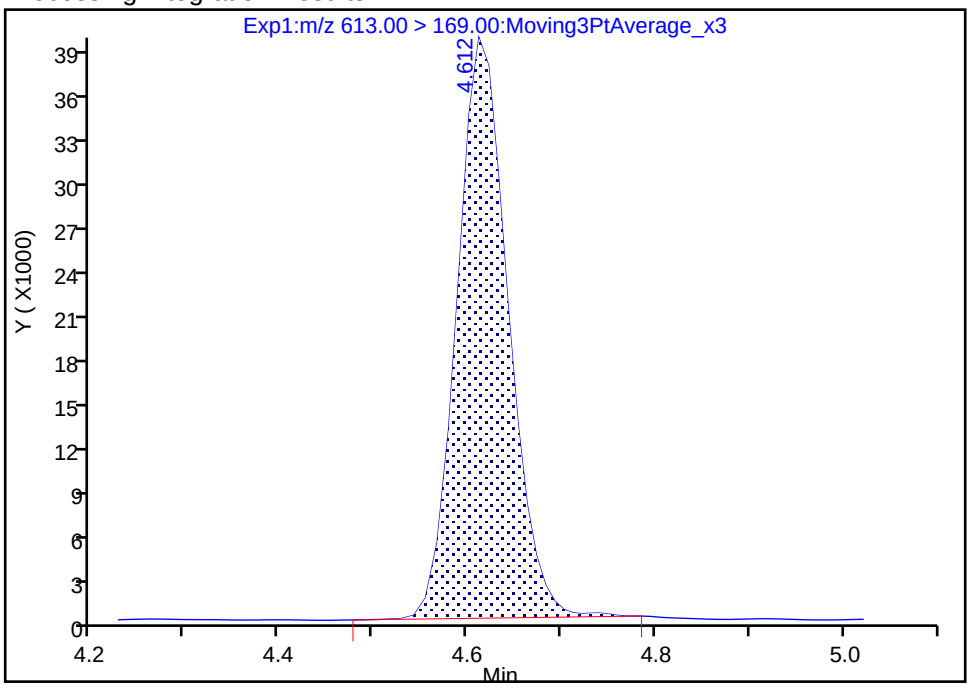
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B06.d				
Injection Date:	04-Aug-2022 14:42:04	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-F MSD				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

37 Perfluorododecanoic acid, CAS: 307-55-1

Signal: 2

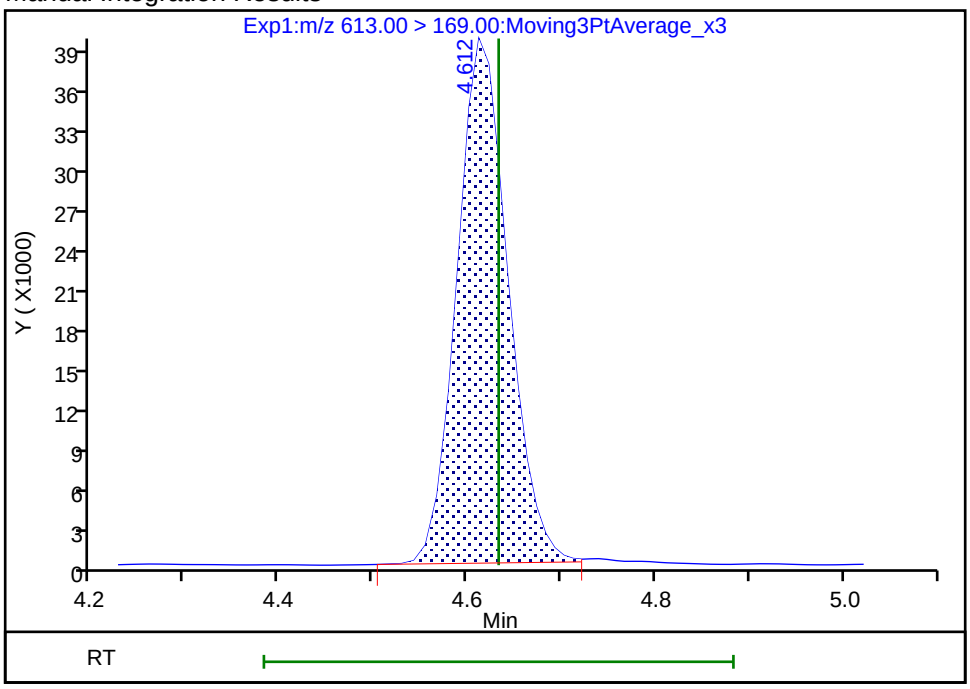
Processing Integration Results

RT: 4.61
Area: 147221
Amount: 1.084557
Amount Units: ng/ml



Manual Integration Results

RT: 4.61
Area: 146591
Amount: 1.082618
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:05:18
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

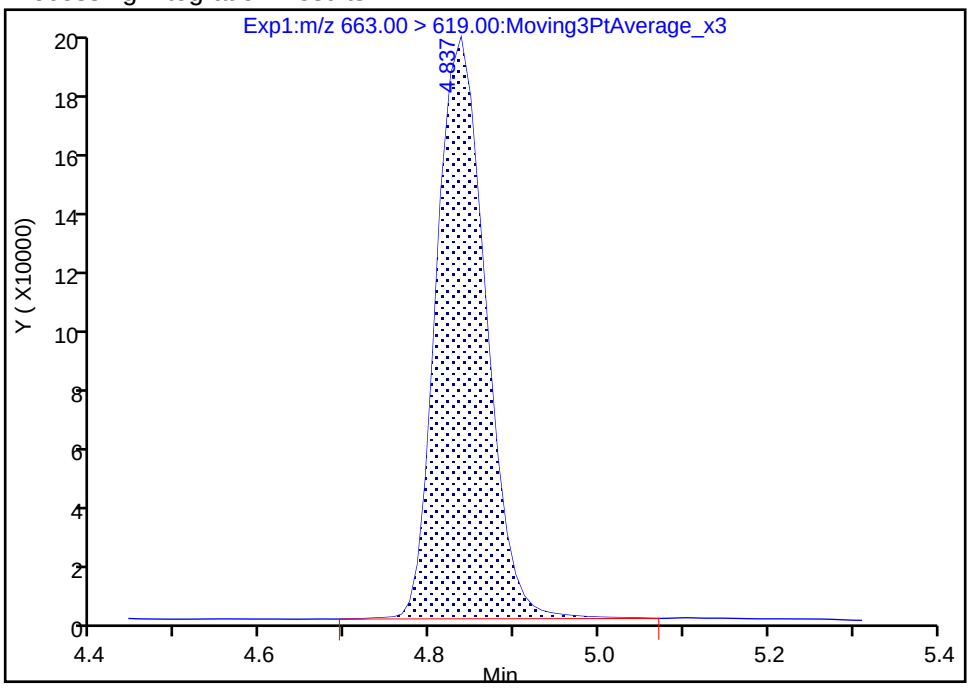
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B06.d				
Injection Date:	04-Aug-2022 14:42:04	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-F MSD				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 1

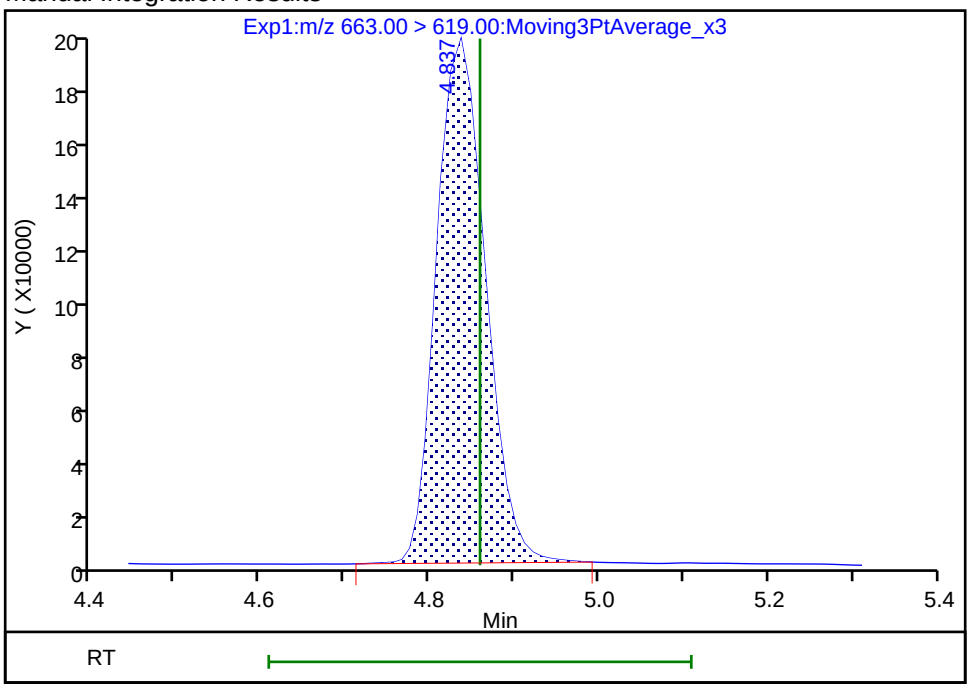
Processing Integration Results

RT: 4.84
Area: 788346
Amount: 0.986403
Amount Units: ng/ml



Manual Integration Results

RT: 4.84
Area: 781805
Amount: 0.978219
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:16:42

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

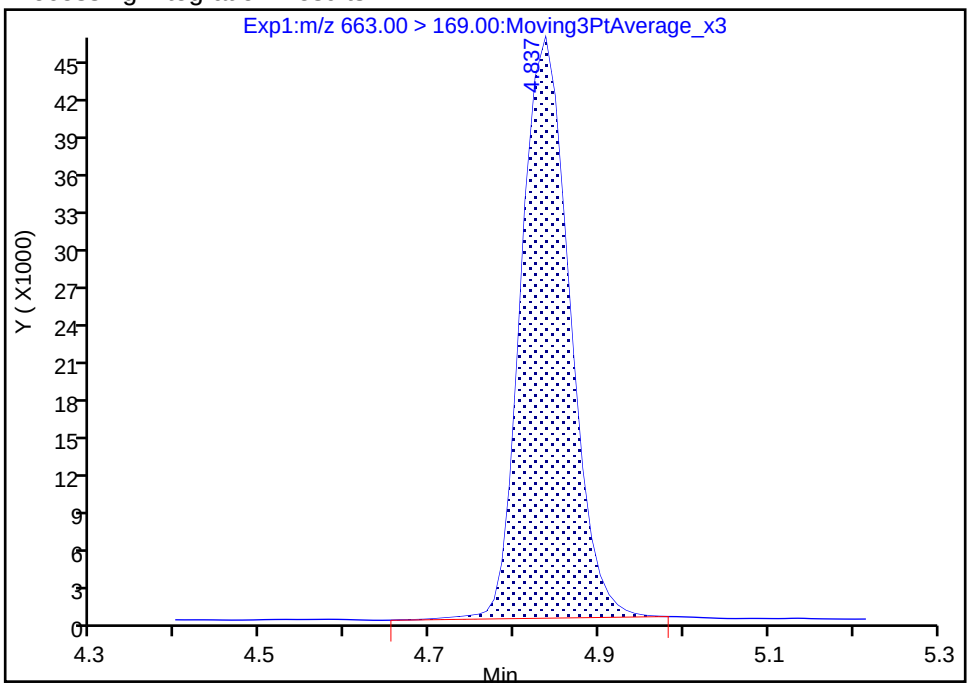
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B06.d				
Injection Date:	04-Aug-2022 14:42:04	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-F MSD				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

41 Perfluorotridecanoic acid, CAS: 72629-94-8

Signal: 2

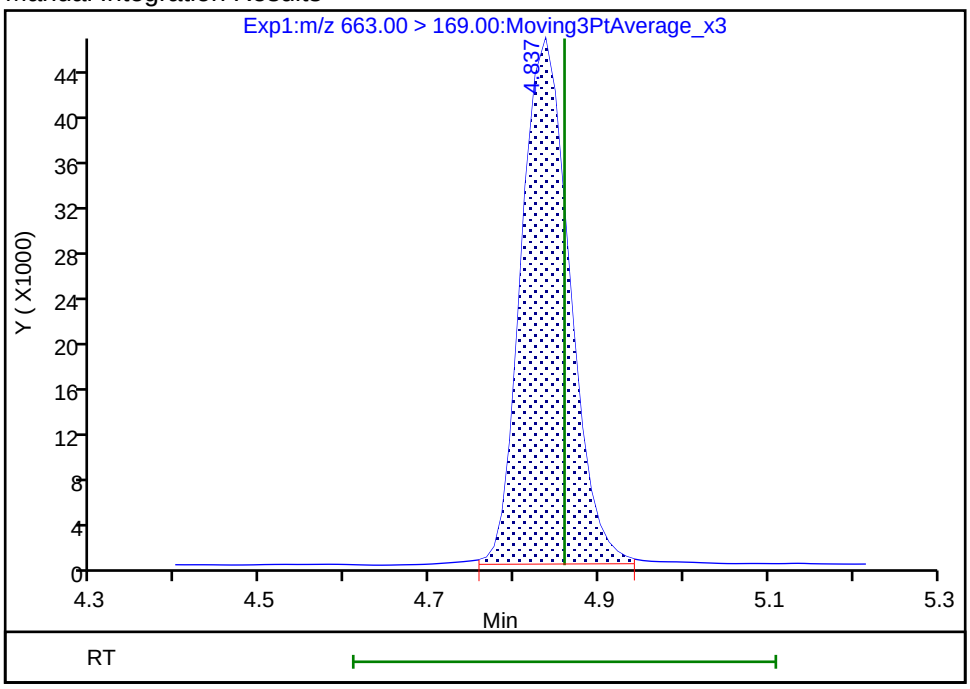
Processing Integration Results

RT: 4.84
Area: 185029
Amount: 0.986403
Amount Units: ng/ml



Manual Integration Results

RT: 4.84
Area: 184937
Amount: 0.978219
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:16:54

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

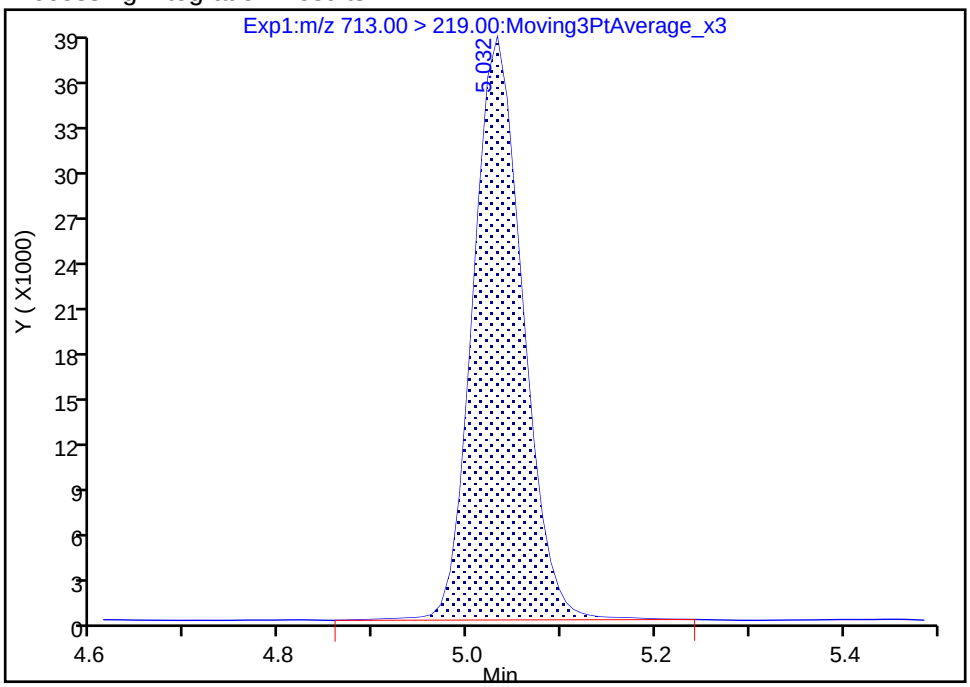
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B06.d				
Injection Date:	04-Aug-2022 14:42:04	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-F MSD				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

42 Perfluorotetradecanoic acid, CAS: 376-06-7

Signal: 2

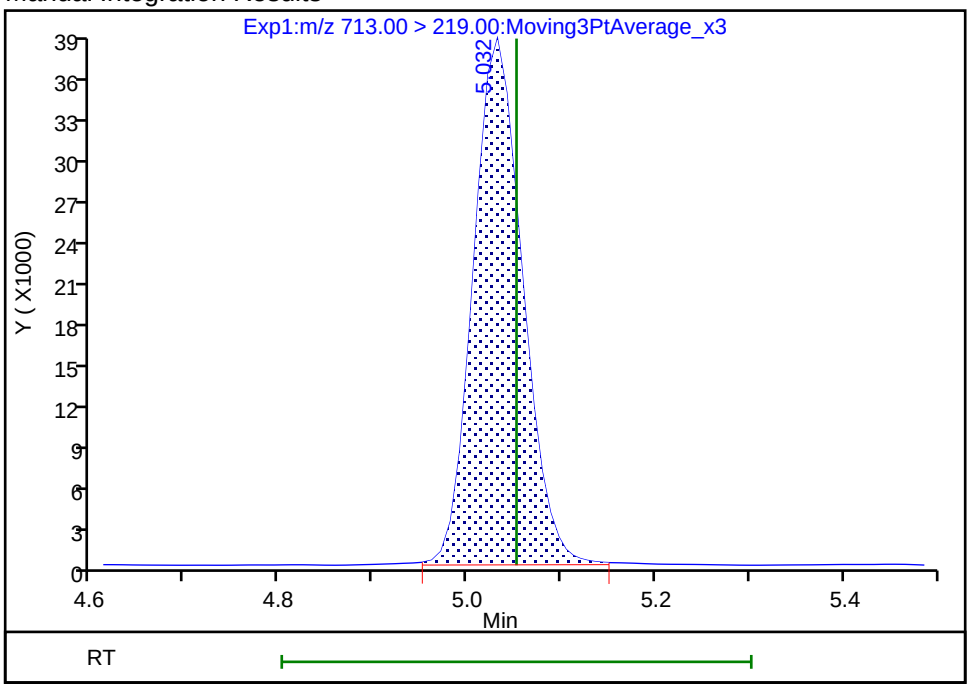
Processing Integration Results

RT: 5.03
Area: 142170
Amount: 1.093859
Amount Units: ng/ml



Manual Integration Results

RT: 5.03
Area: 141432
Amount: 1.099895
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:05:45

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

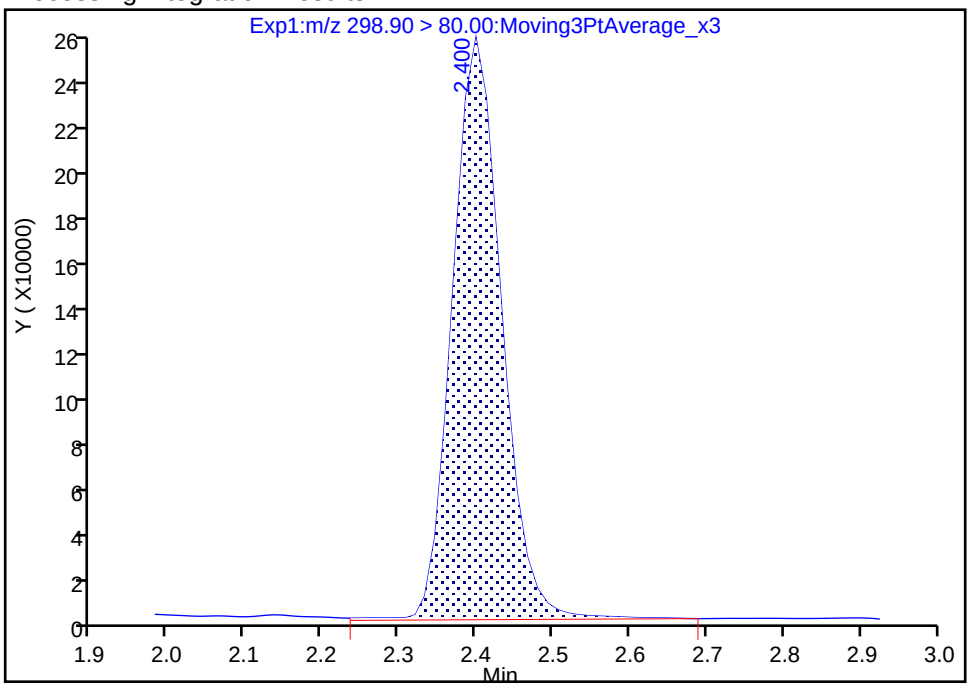
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B06.d				
Injection Date:	04-Aug-2022 14:42:04	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-F MSD				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 1

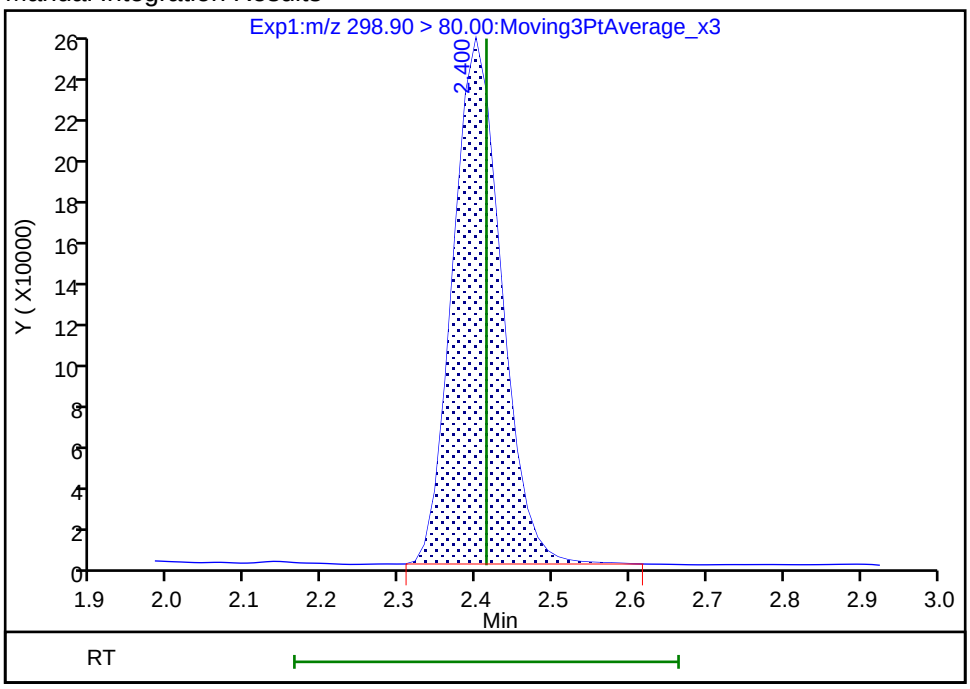
Processing Integration Results

RT: 2.40
Area: 1132164
Amount: 0.940813
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 1112148
Amount: 0.924180
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:02:26

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

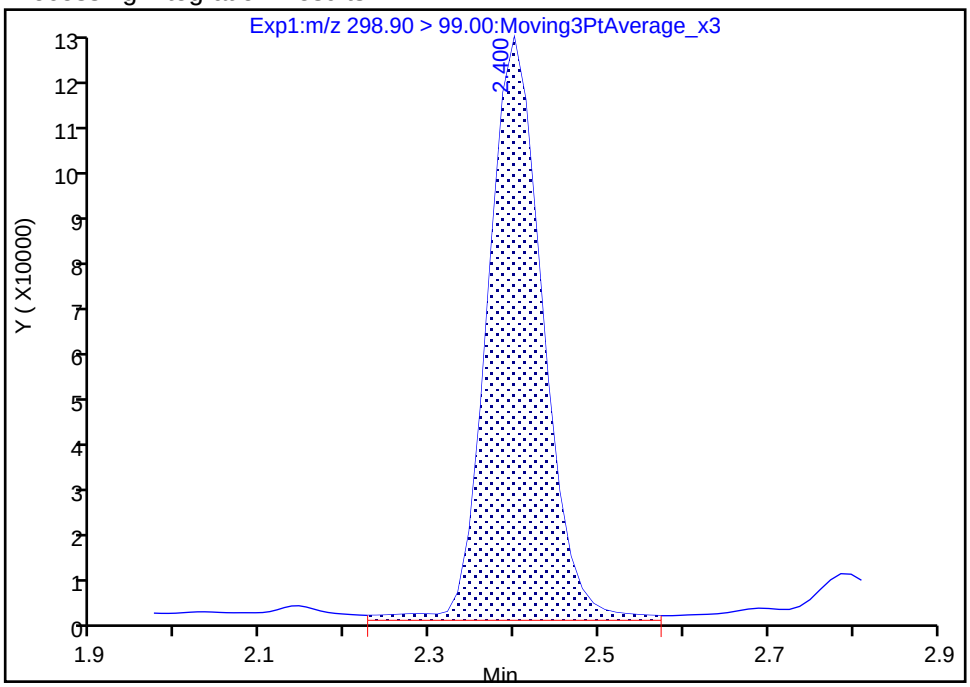
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B06.d
Injection Date: 04-Aug-2022 14:42:04 Instrument ID: LC812
Lims ID: 460-262622-A-5-F MSD
Client ID: BDS-20P
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

5 Perfluorobutanesulfonic acid, CAS: 375-73-5

Signal: 2

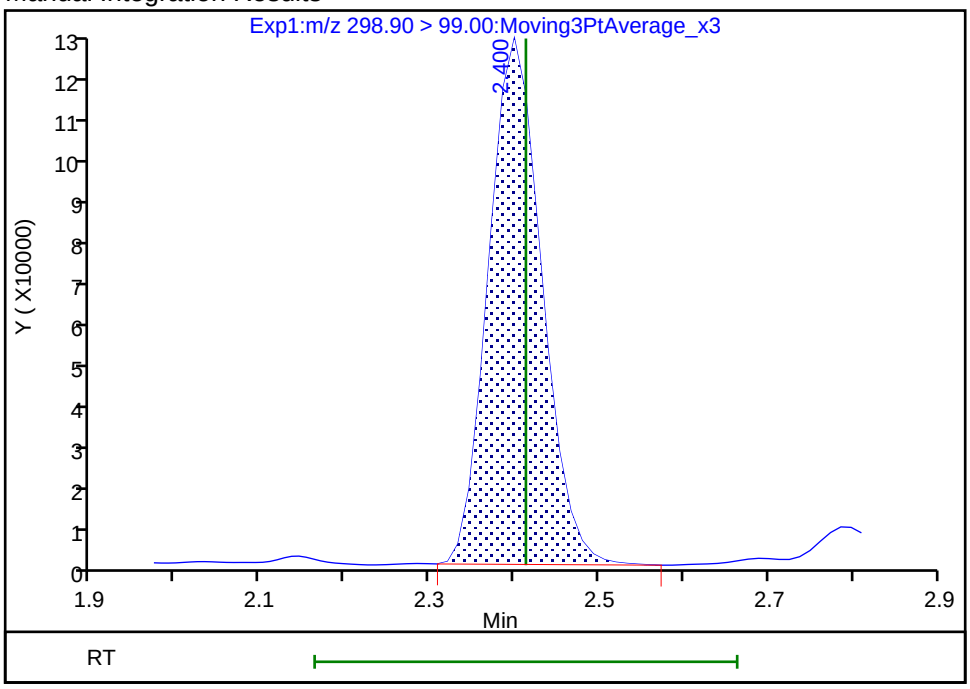
Processing Integration Results

RT: 2.40
Area: 555982
Amount: 0.940813
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 532315
Amount: 0.924180
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:02:30
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

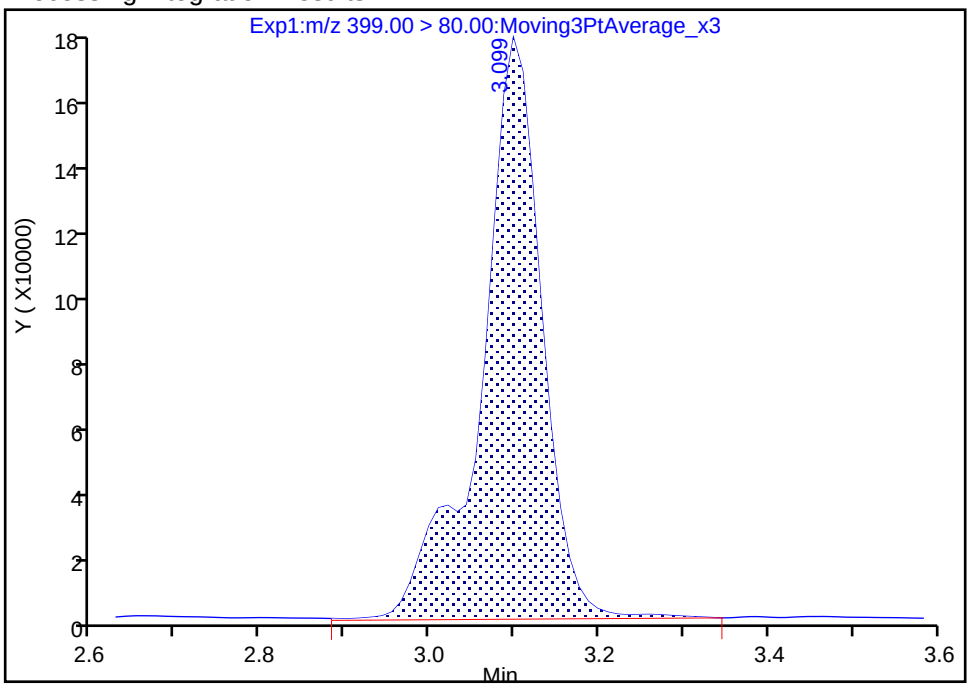
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B06.d				
Injection Date:	04-Aug-2022 14:42:04	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-F MSD				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 1

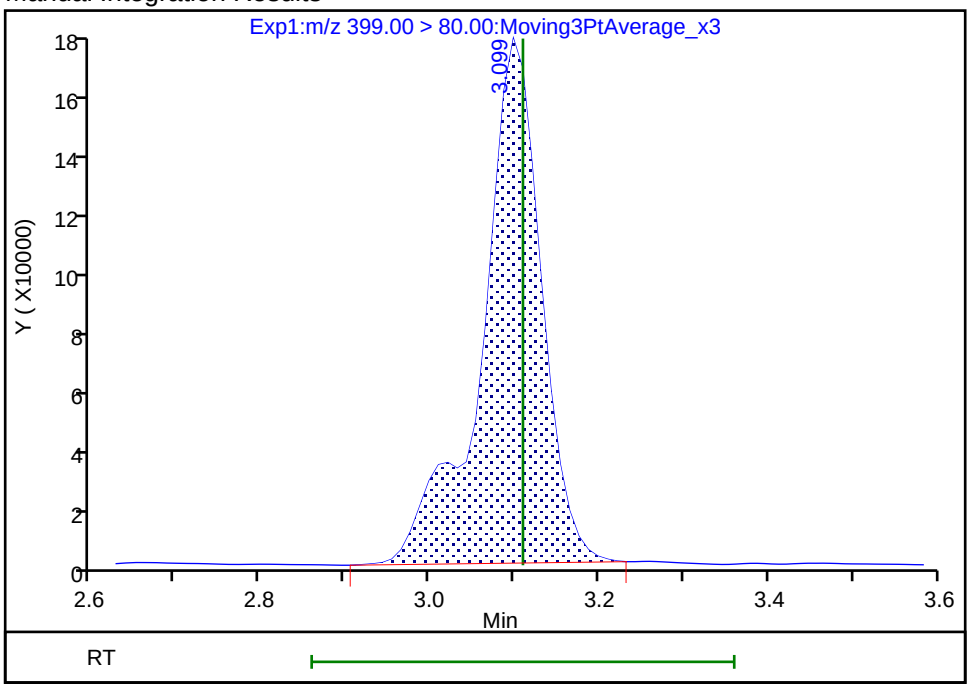
Processing Integration Results

RT: 3.10
Area: 872407
Amount: 1.007048
Amount Units: ng/ml



Manual Integration Results

RT: 3.10
Area: 851622
Amount: 0.983055
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:03:02

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

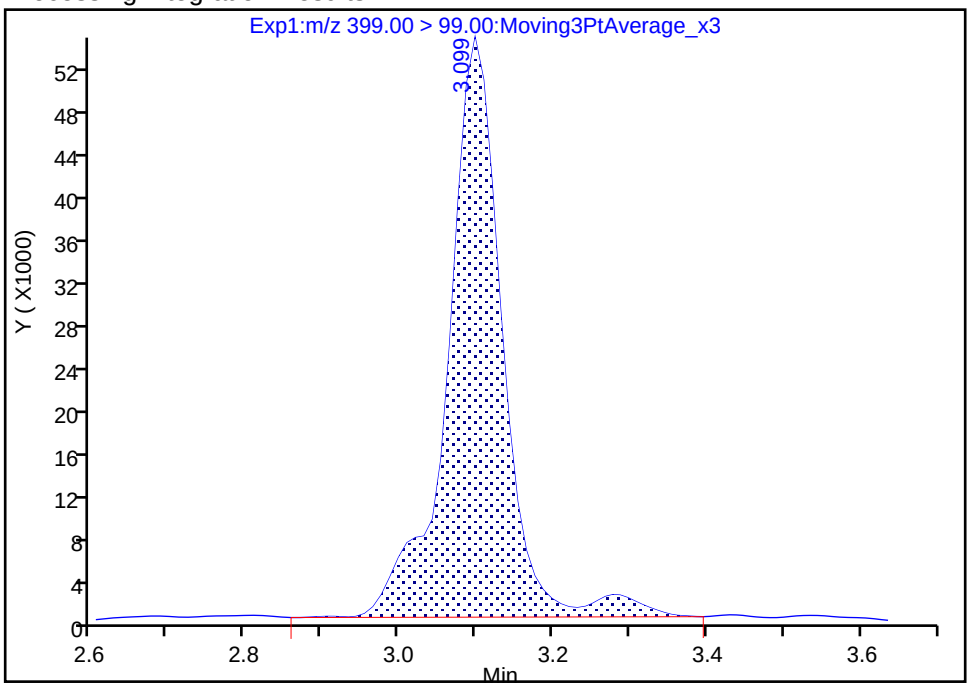
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B06.d				
Injection Date:	04-Aug-2022 14:42:04	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-F MSD				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

8 Perfluorohexanesulfonic acid, CAS: 355-46-4

Signal: 2

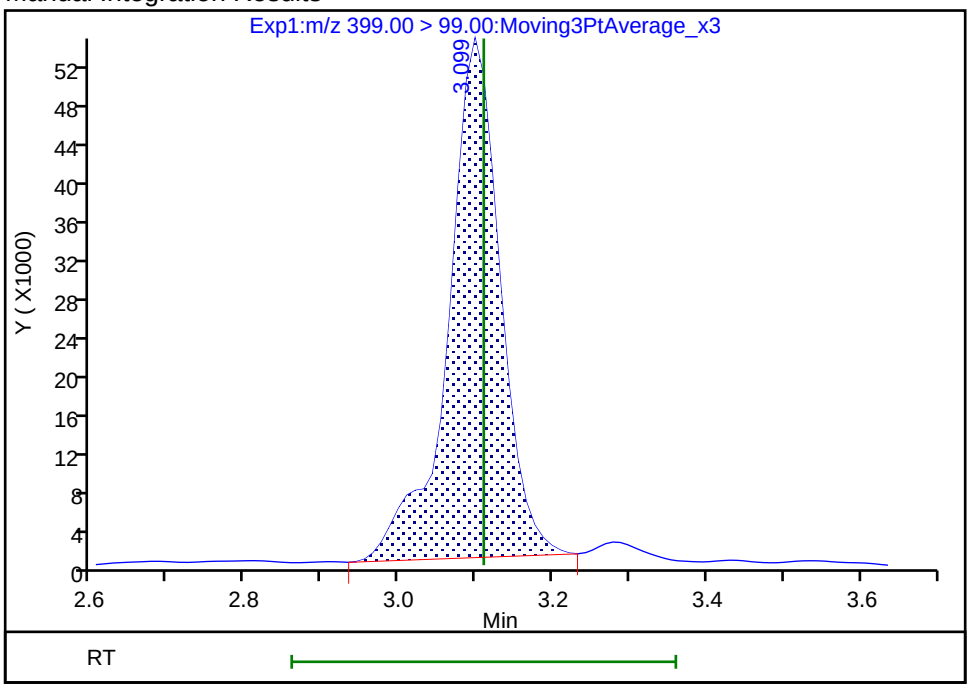
Processing Integration Results

RT: 3.10
Area: 269018
Amount: 1.007048
Amount Units: ng/ml



Manual Integration Results

RT: 3.10
Area: 251456
Amount: 0.983055
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:03:06
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Burlington

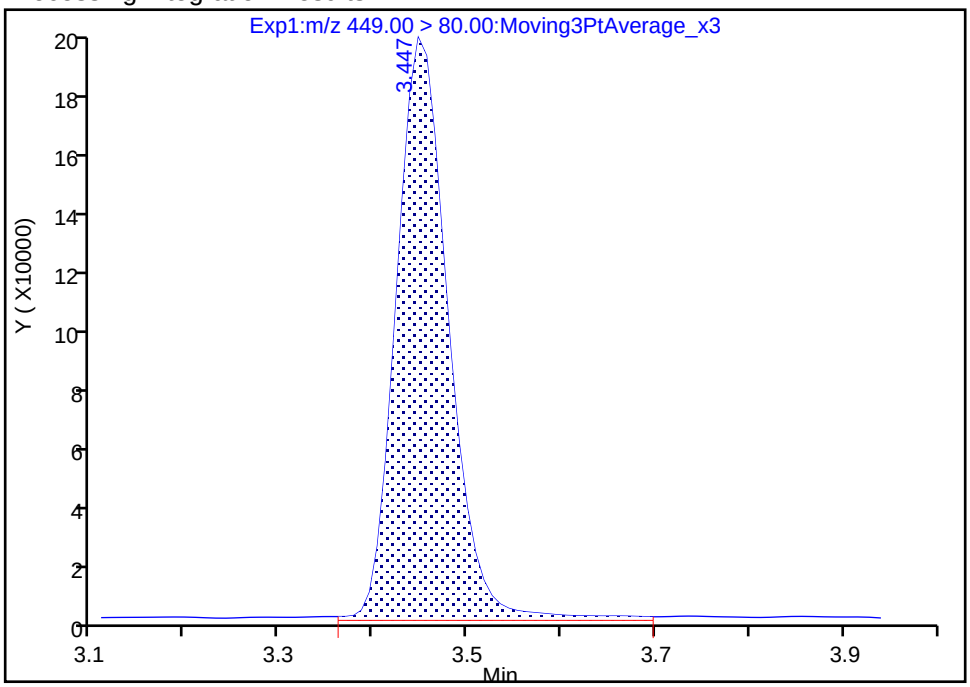
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B06.d				
Injection Date:	04-Aug-2022 14:42:04	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-F MSD				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 1

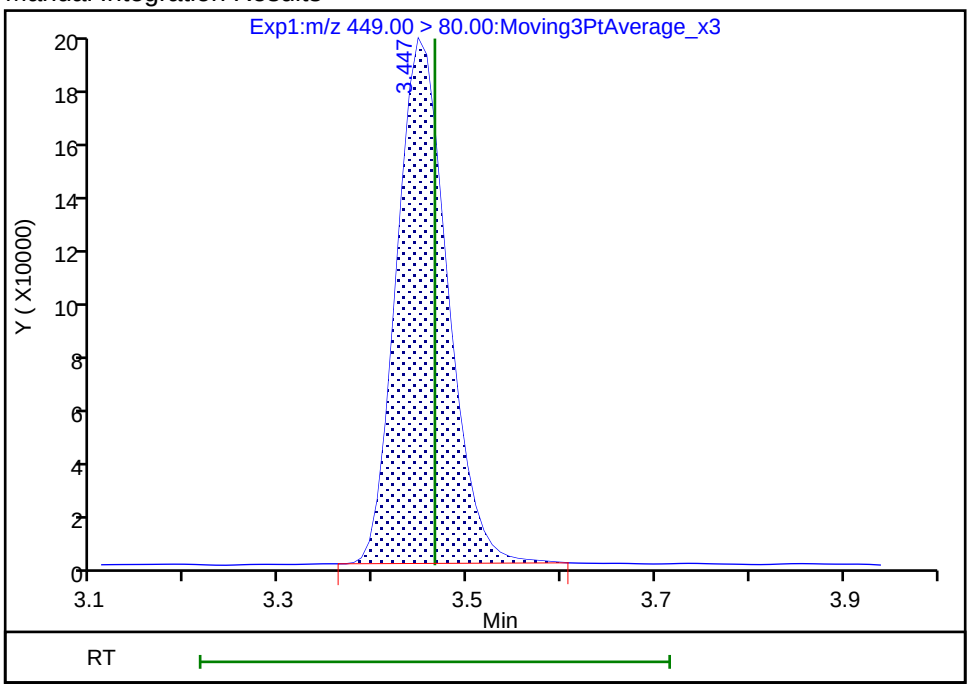
Processing Integration Results

RT: 3.45
Area: 763155
Amount: 1.133342
Amount Units: ng/ml



Manual Integration Results

RT: 3.45
Area: 733964
Amount: 1.089991
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:03:27
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

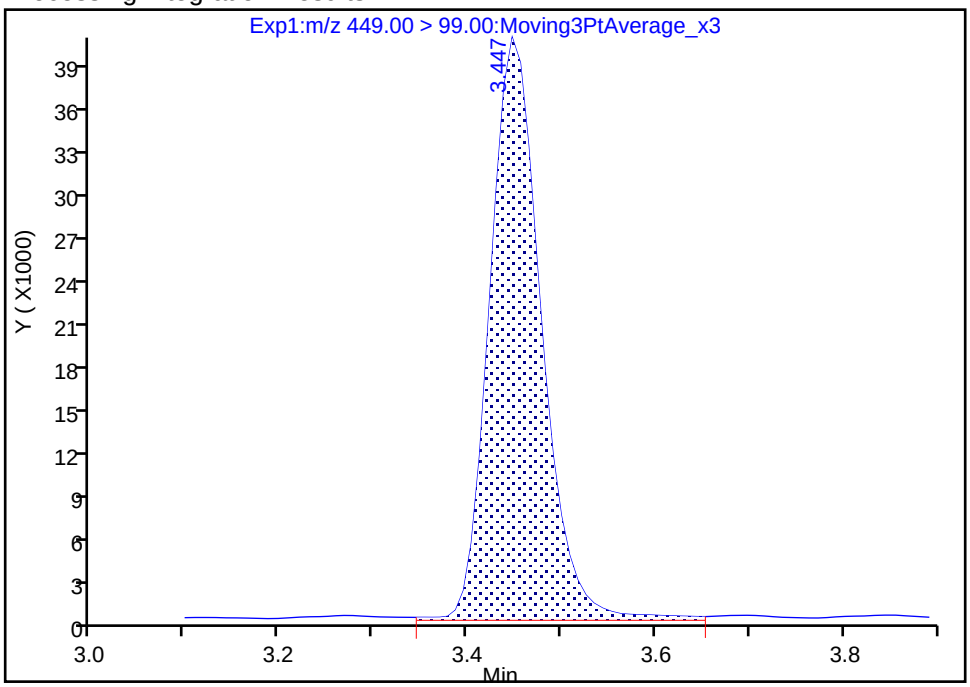
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B06.d				
Injection Date:	04-Aug-2022 14:42:04	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-F MSD				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

16 Perfluoroheptanesulfonic acid, CAS: 375-92-8

Signal: 2

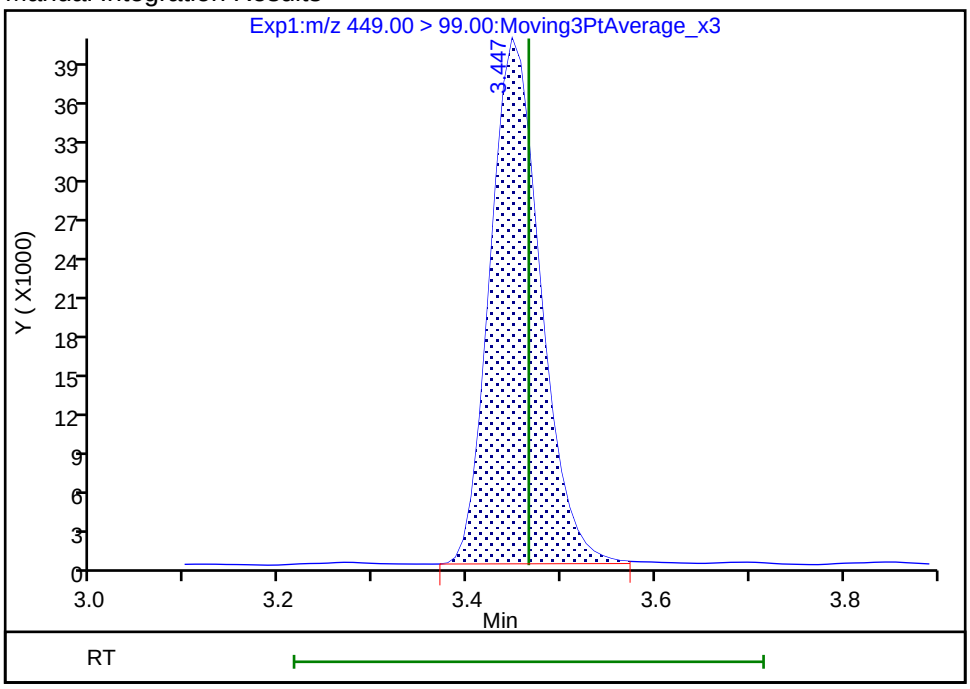
Processing Integration Results

RT: 3.45
Area: 154947
Amount: 1.133342
Amount Units: ng/ml



Manual Integration Results

RT: 3.45
Area: 150353
Amount: 1.089991
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:03:34

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

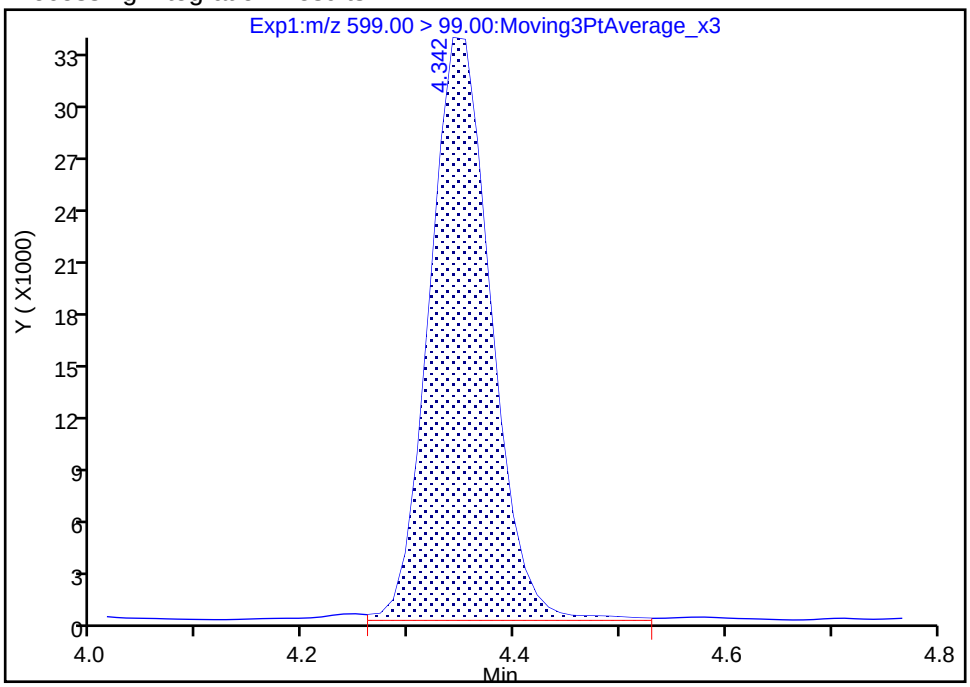
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B06.d				
Injection Date:	04-Aug-2022 14:42:04	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-F MSD				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

29 Perfluorodecanesulfonic acid, CAS: 335-77-3

Signal: 2

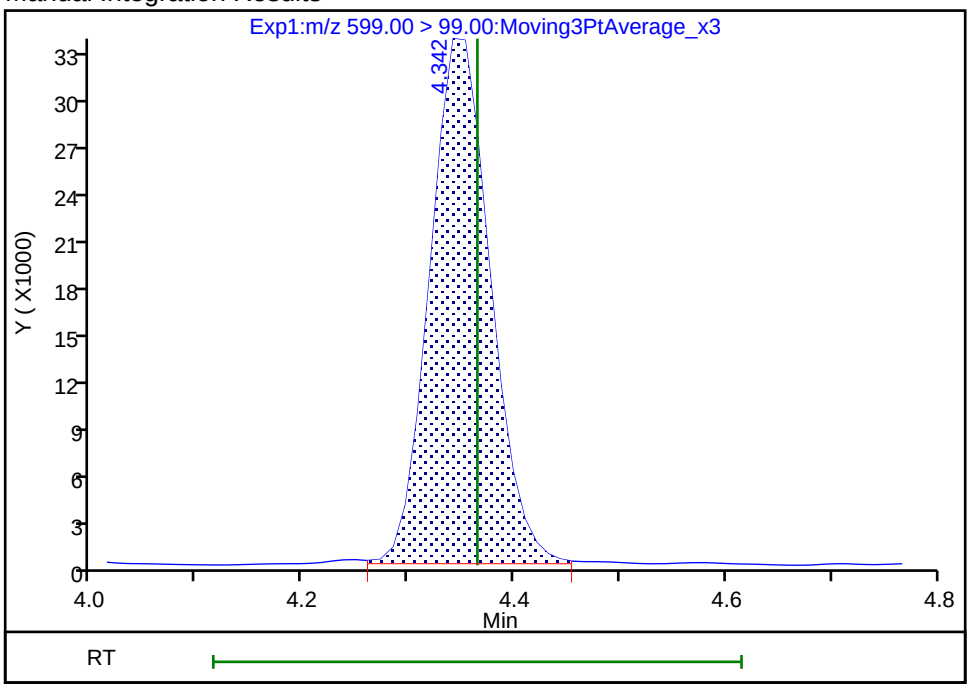
Processing Integration Results

RT: 4.34
Area: 135328
Amount: 1.056434
Amount Units: ng/ml



Manual Integration Results

RT: 4.34
Area: 133002
Amount: 1.056434
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:04:44

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

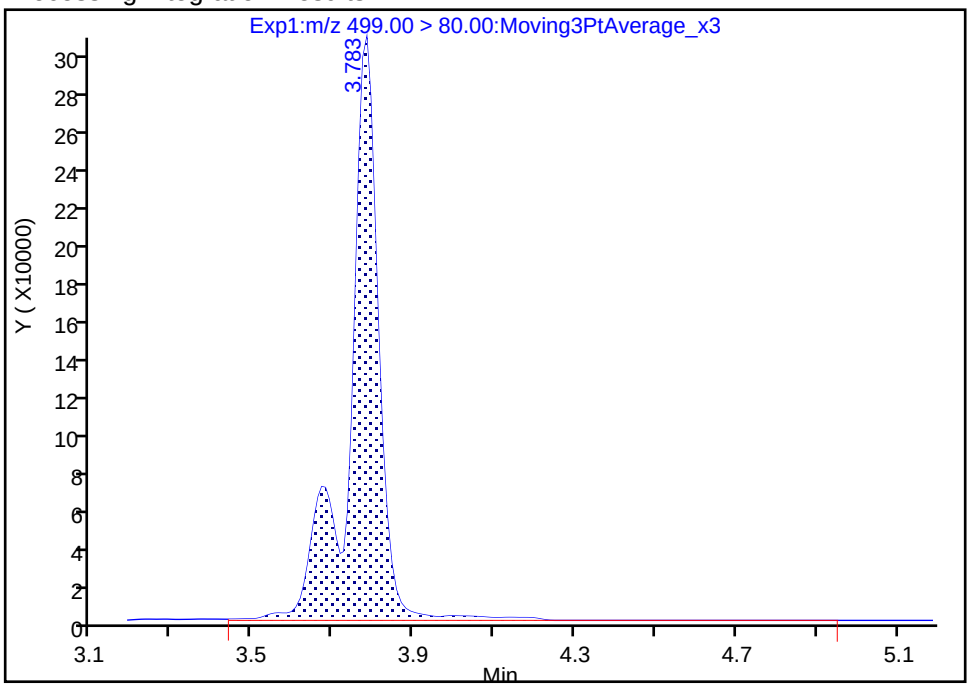
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B06.d				
Injection Date:	04-Aug-2022 14:42:04	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-F MSD				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 1

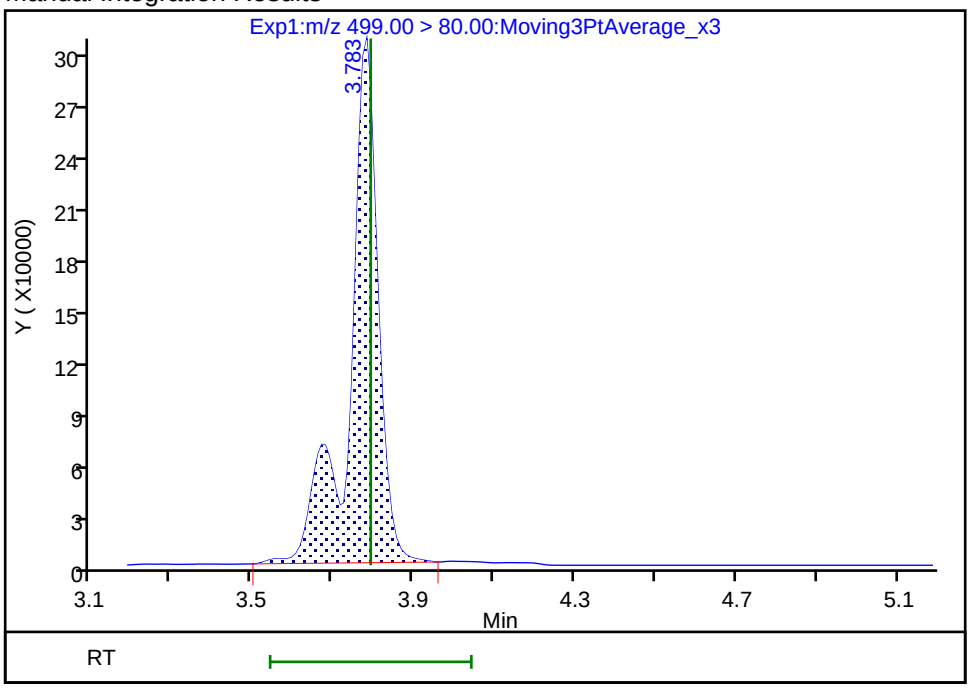
Processing Integration Results

RT: 3.78
Area: 1560465
Amount: 2.860420
Amount Units: ng/ml



Manual Integration Results

RT: 3.78
Area: 1495068
Amount: 2.739769
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:03:54

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

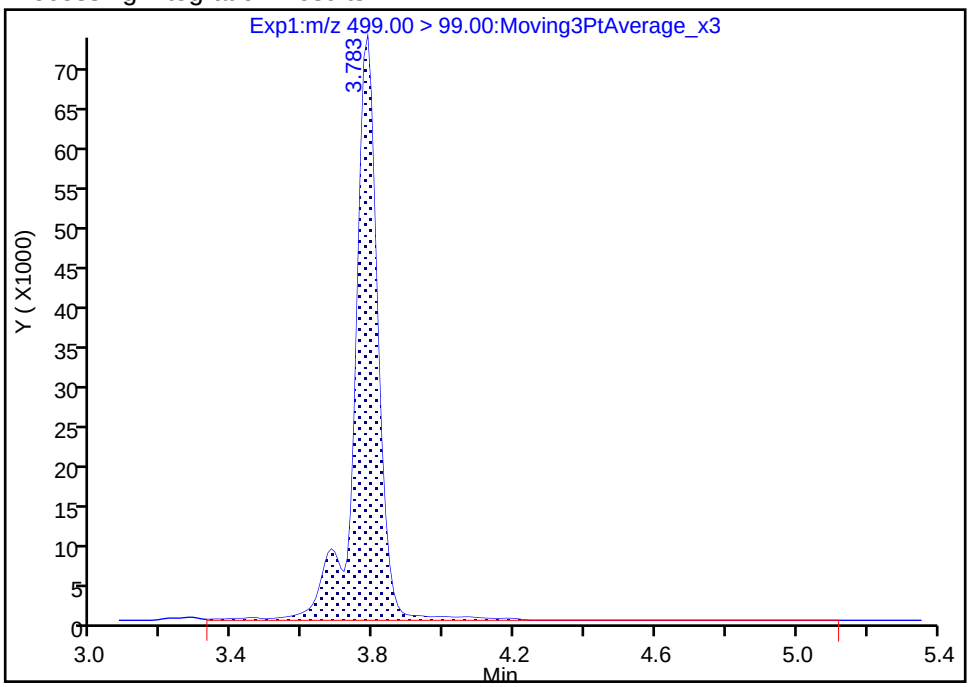
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B06.d				
Injection Date:	04-Aug-2022 14:42:04	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-F MSD				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

17 Perfluorooctanesulfonic acid, CAS: 1763-23-1

Signal: 2

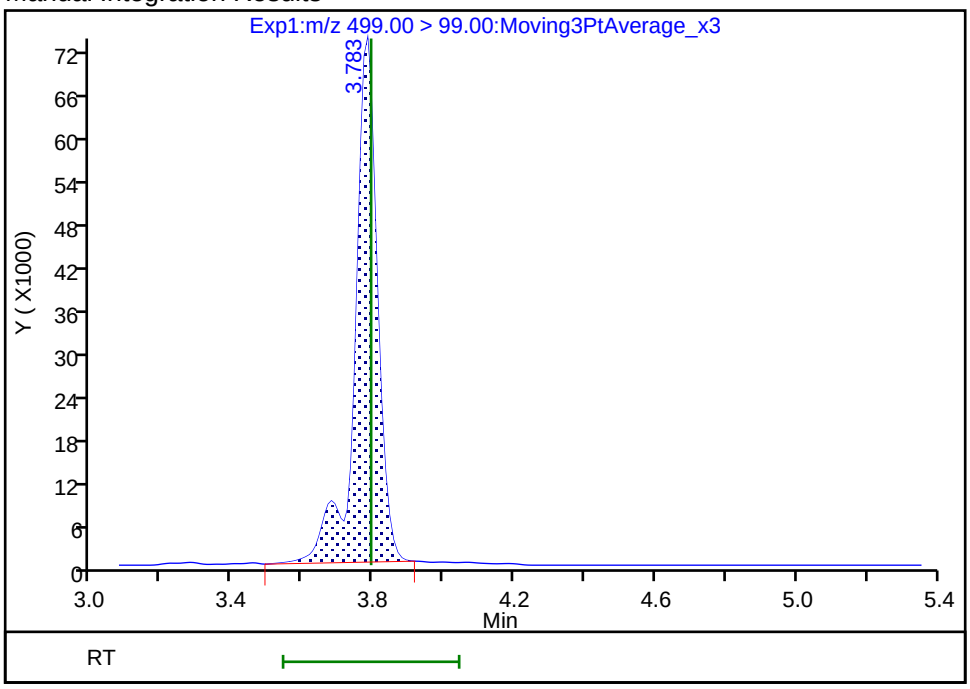
Processing Integration Results

RT: 3.78
Area: 342405
Amount: 2.860420
Amount Units: ng/ml



Manual Integration Results

RT: 3.78
Area: 325243
Amount: 2.739769
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:03:59

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

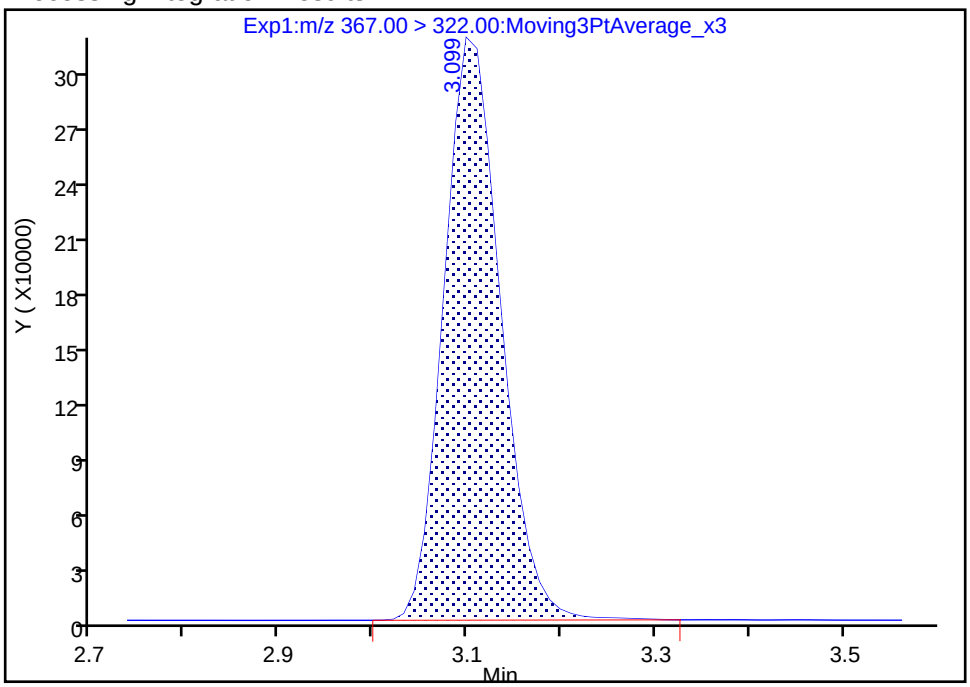
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B06.d				
Injection Date:	04-Aug-2022 14:42:04	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-F MSD				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 9 13C4 PFHpA, CAS: STL01892

Signal: 1

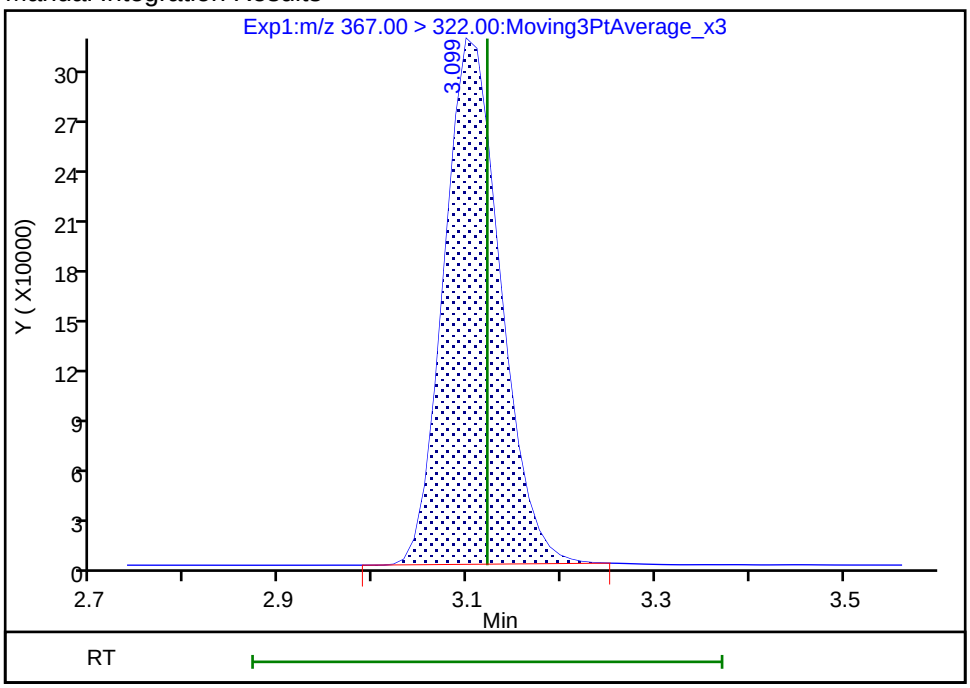
Processing Integration Results

RT: 3.10
Area: 1335867
Amount: 1.093265
Amount Units: ng/ml



Manual Integration Results

RT: 3.10
Area: 1325611
Amount: 1.084872
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:15:39

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

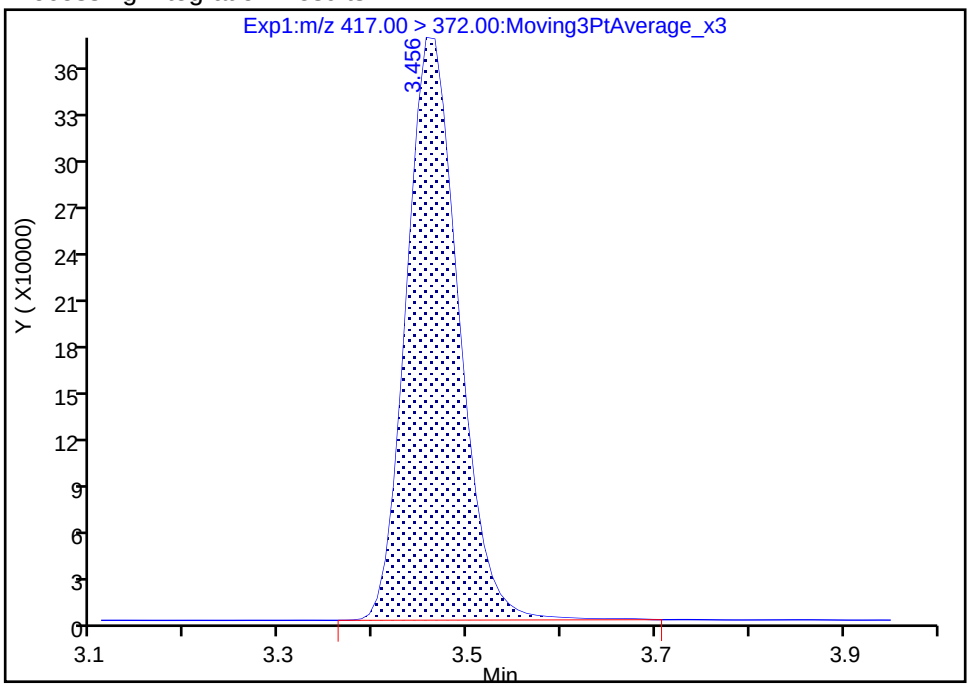
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B06.d				
Injection Date:	04-Aug-2022 14:42:04	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-F MSD				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 14 13C4 PFOA, CAS: STL00990

Signal: 1

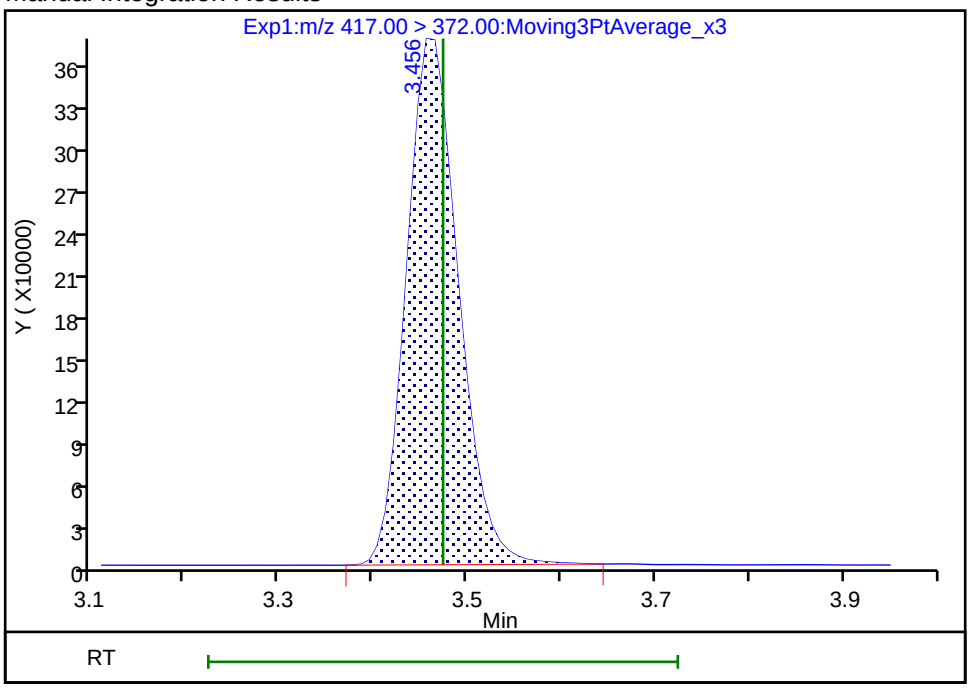
Processing Integration Results

RT: 3.46
Area: 1431866
Amount: 1.143602
Amount Units: ng/ml



Manual Integration Results

RT: 3.46
Area: 1426209
Amount: 1.139084
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:01:03

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

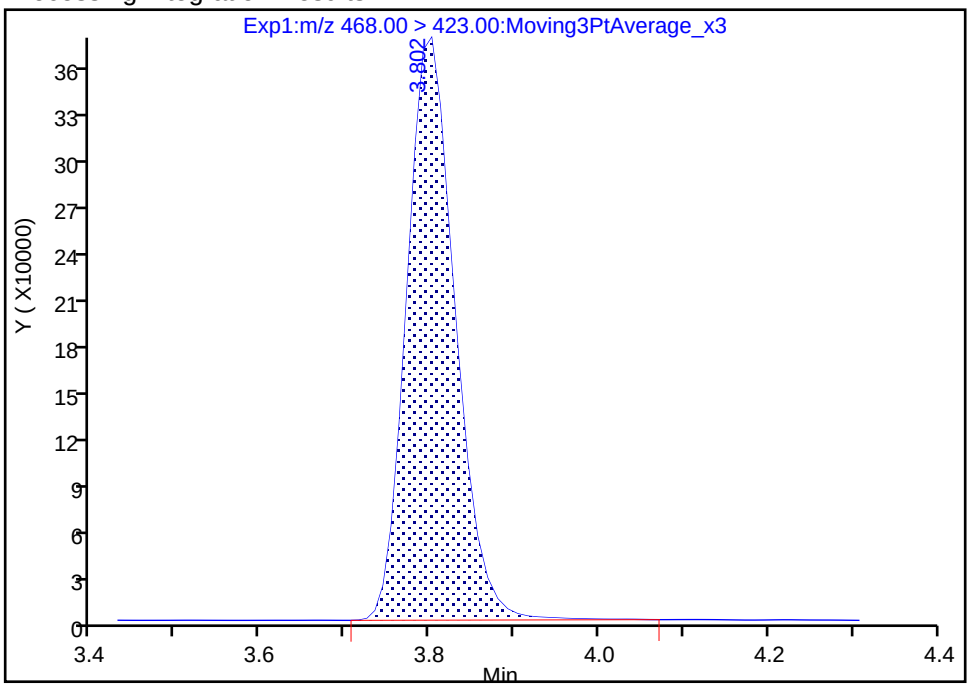
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B06.d				
Injection Date:	04-Aug-2022 14:42:04	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-F MSD				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 19 13C5 PFNA, CAS: STL00995

Signal: 1

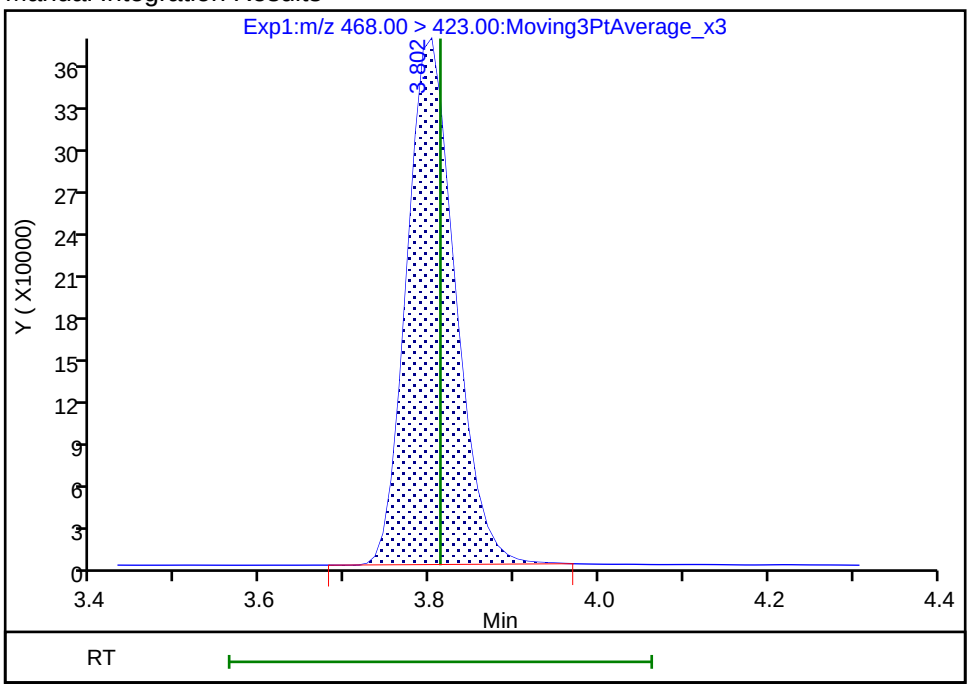
Processing Integration Results

RT: 3.80
Area: 1476419
Amount: 1.135823
Amount Units: ng/ml



Manual Integration Results

RT: 3.80
Area: 1467274
Amount: 1.128787
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:16:05

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

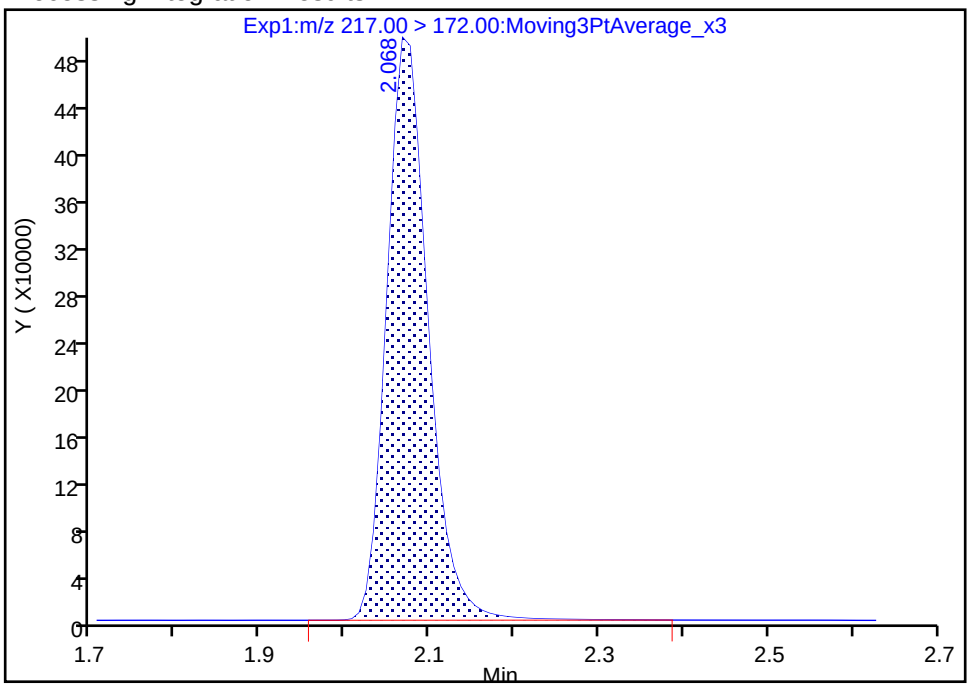
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B06.d				
Injection Date:	04-Aug-2022 14:42:04	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-F MSD				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 1 13C4 PFBA, CAS: STL00992

Signal: 1

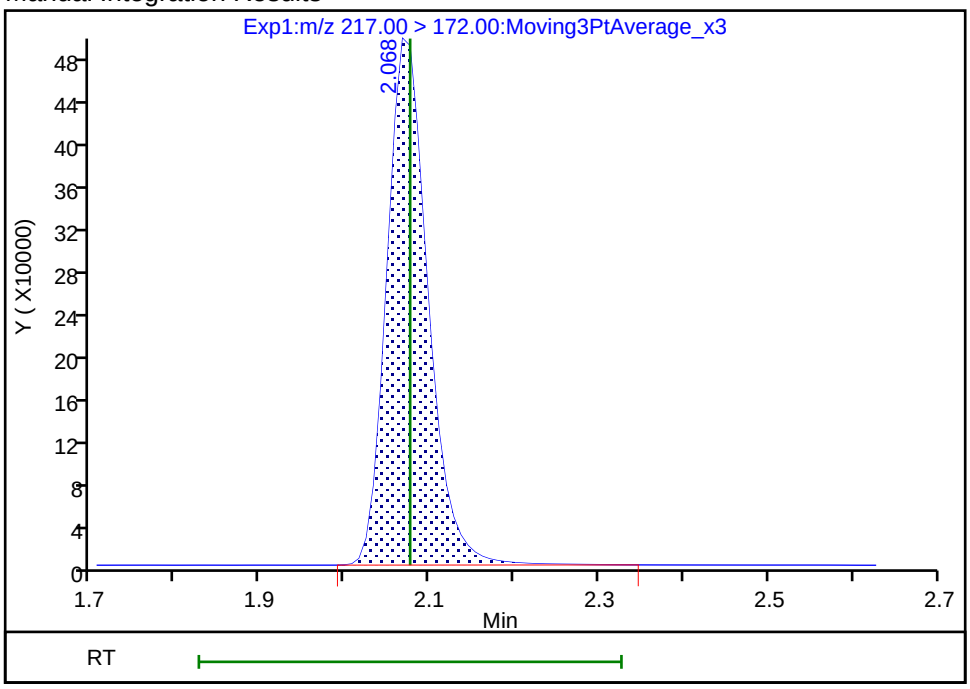
Processing Integration Results

RT: 2.07
Area: 1676576
Amount: 1.092917
Amount Units: ng/ml



Manual Integration Results

RT: 2.07
Area: 1675382
Amount: 1.092138
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:15:07
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

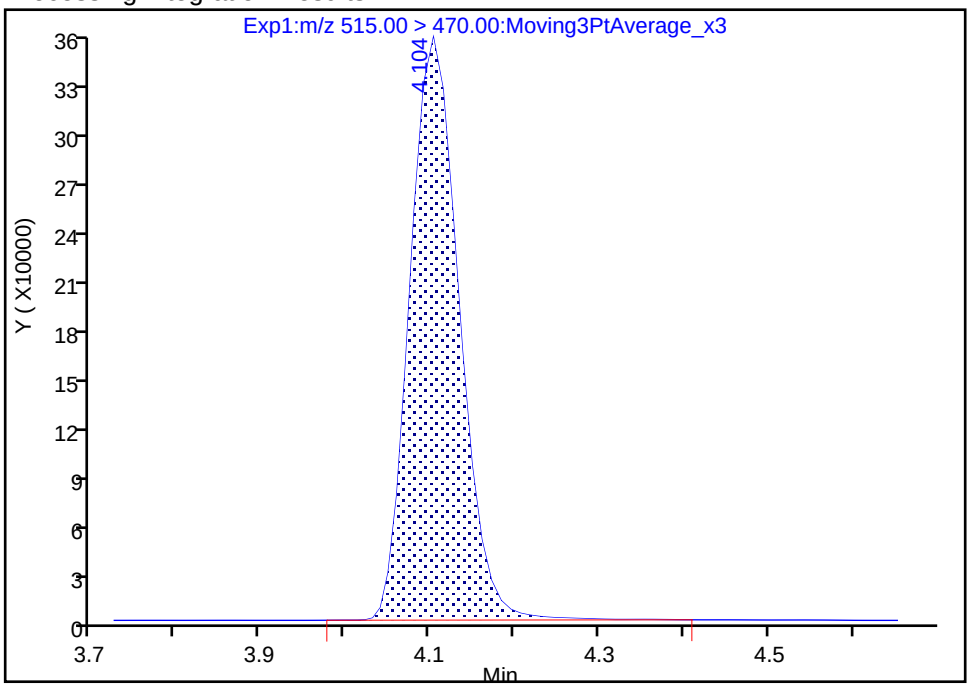
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B06.d				
Injection Date:	04-Aug-2022 14:42:04	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-F MSD				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 23 13C2 PFDA, CAS: STL00996

Signal: 1

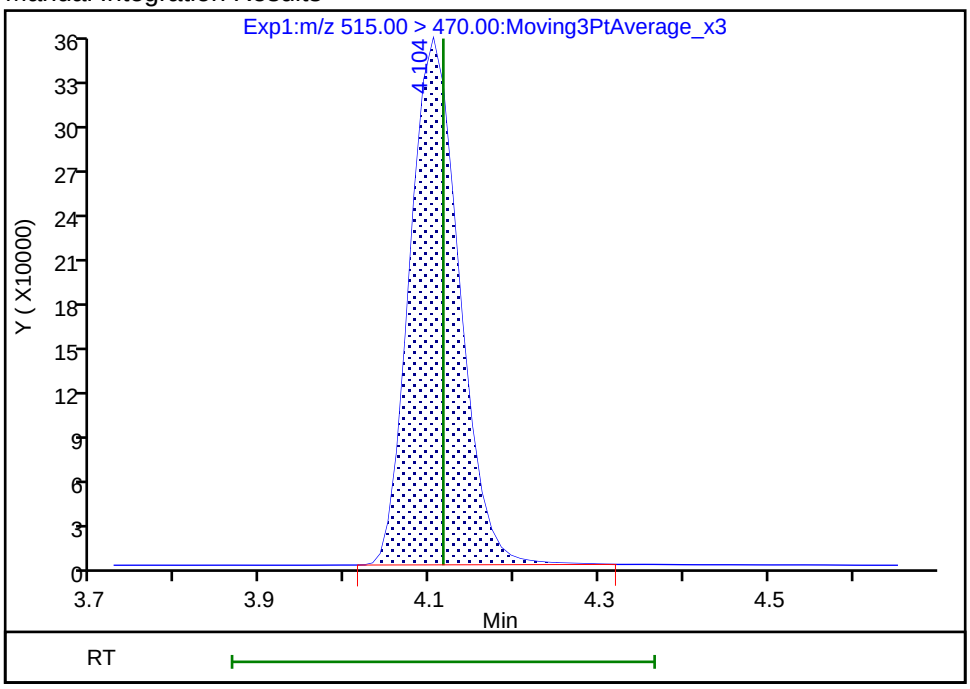
Processing Integration Results

RT: 4.10
Area: 1456673
Amount: 1.151451
Amount Units: ng/ml



Manual Integration Results

RT: 4.10
Area: 1452892
Amount: 1.148462
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:01:16

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

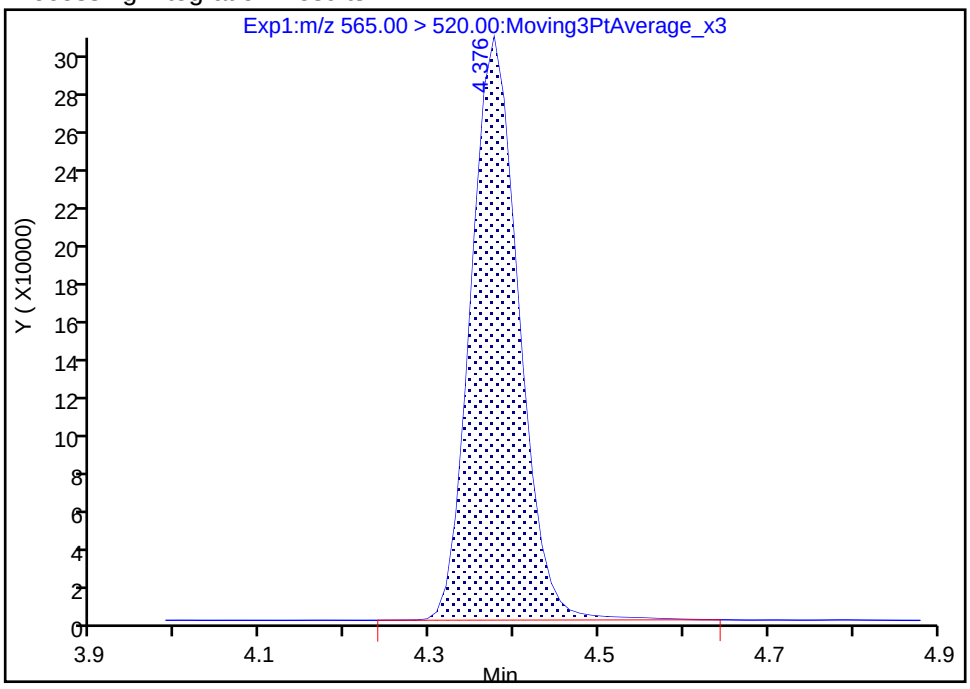
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B06.d				
Injection Date:	04-Aug-2022 14:42:04	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-F MSD				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 30 13C2 PFUnA, CAS: STL00997

Signal: 1

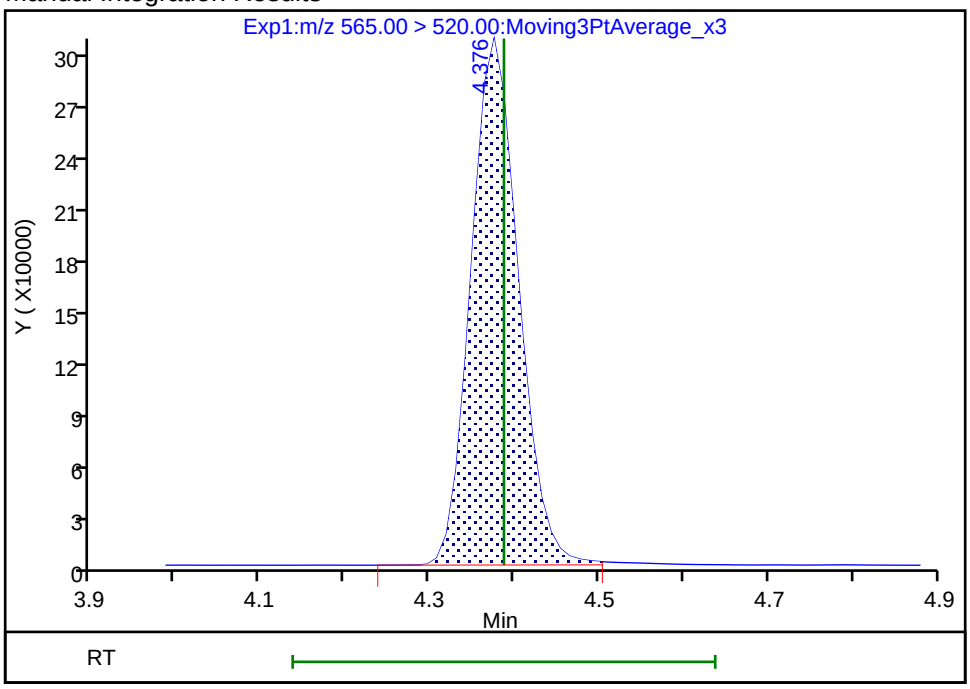
Processing Integration Results

RT: 4.38
Area: 1195399
Amount: 1.247131
Amount Units: ng/ml



Manual Integration Results

RT: 4.38
Area: 1189645
Amount: 1.241128
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:02:00

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

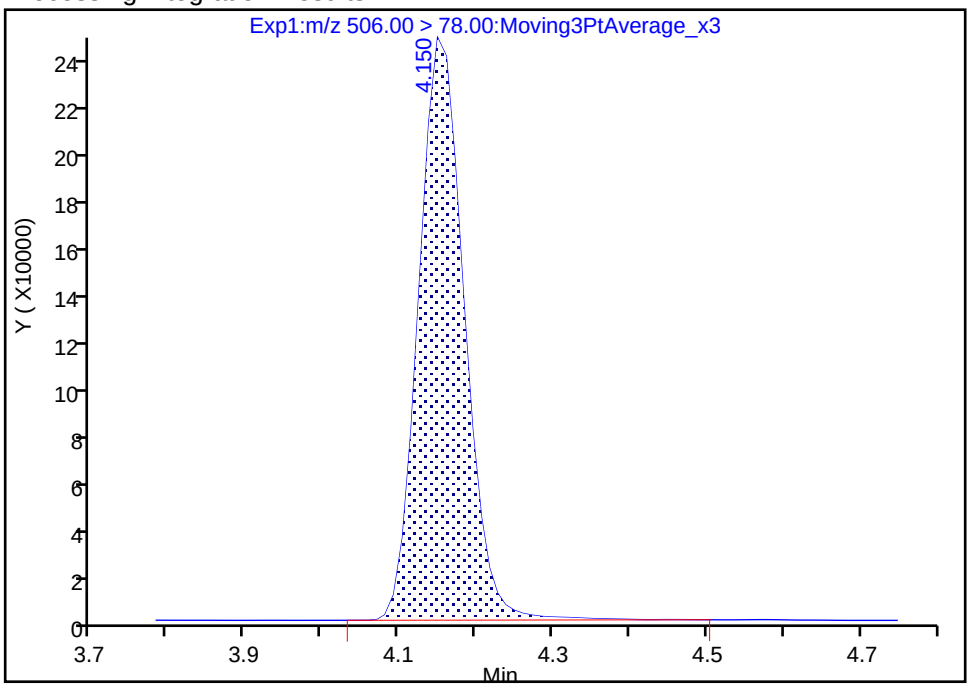
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B06.d				
Injection Date:	04-Aug-2022 14:42:04	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-F MSD				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 21 13C8 FOSA, CAS: STL01056

Signal: 1

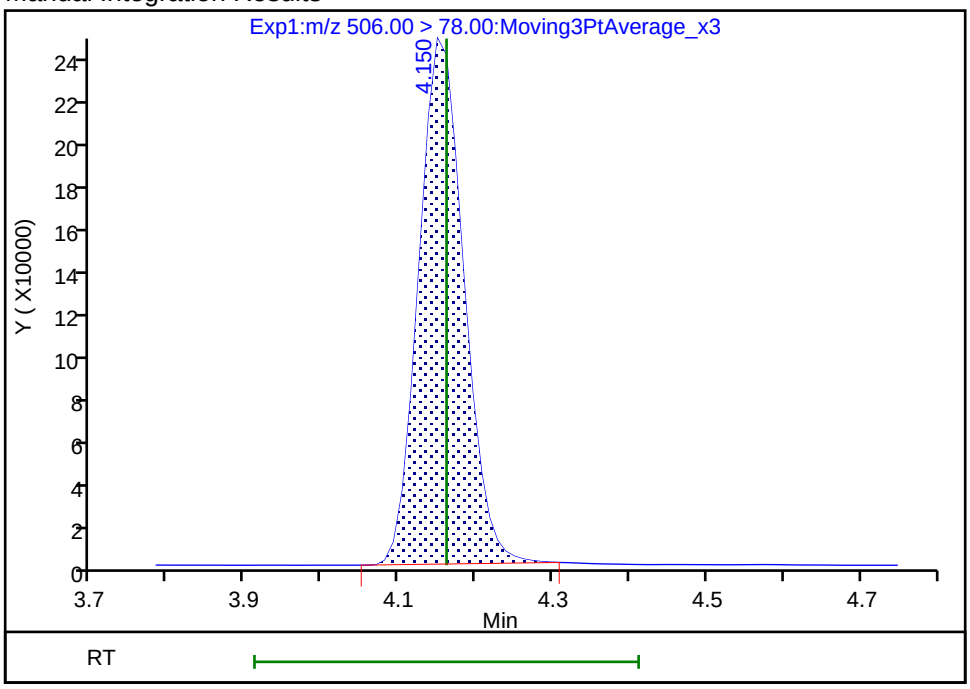
Processing Integration Results

RT: 4.15
Area: 992012
Amount: 0.895944
Amount Units: ng/ml



Manual Integration Results

RT: 4.15
Area: 979556
Amount: 0.884694
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:16:16

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

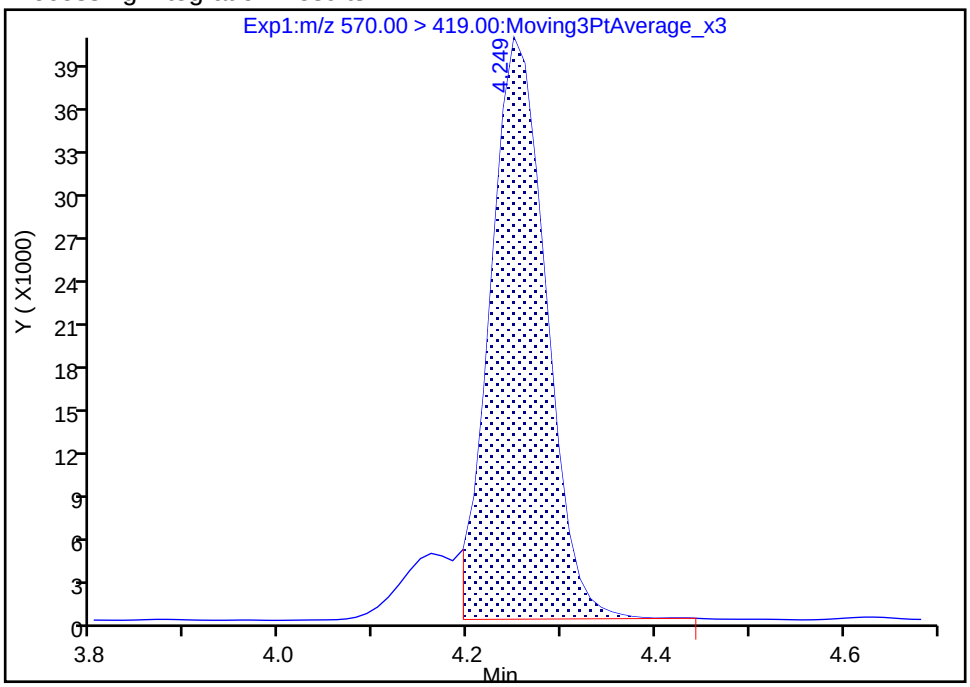
Data File: \\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B06.d
Injection Date: 04-Aug-2022 14:42:04 Instrument ID: LC812
Lims ID: 460-262622-A-5-F MSD
Client ID: BDS-20P
Operator ID: lc812tech ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Method: PFC_LC812 Limit Group: LC_PFC_ICAL
Column: C-18 (4.60 mm) Detector EXP1

28 N-methylperfluorooctanesulfonami, CAS: 2355-31-9

Signal: 1

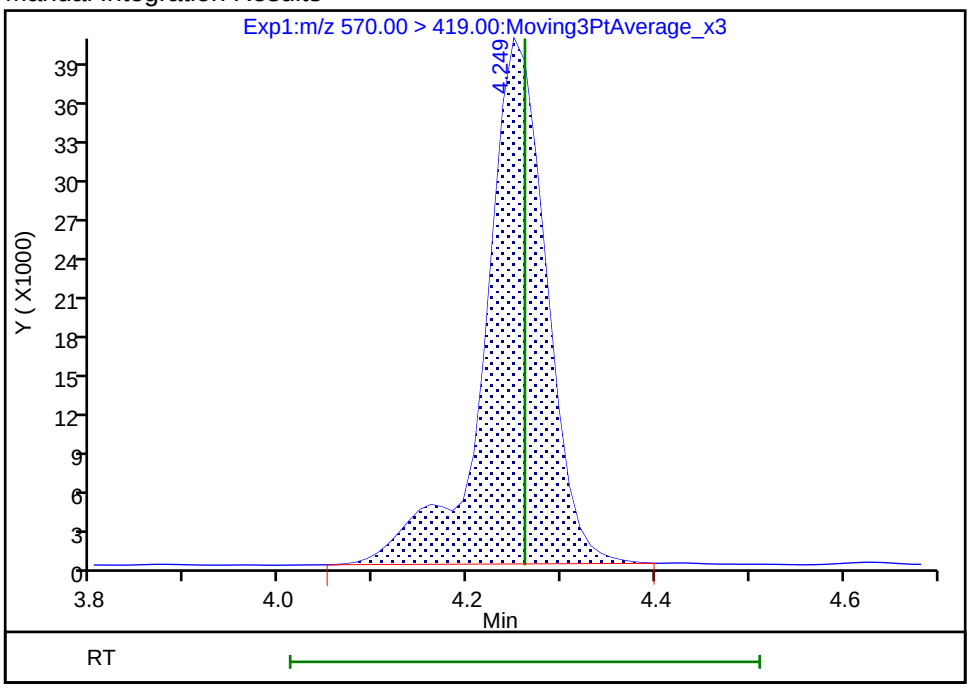
Processing Integration Results

RT: 4.25
Area: 164435
Amount: 1.055229
Amount Units: ng/ml



Manual Integration Results

RT: 4.25
Area: 183604
Amount: 1.178242
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:04:28
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

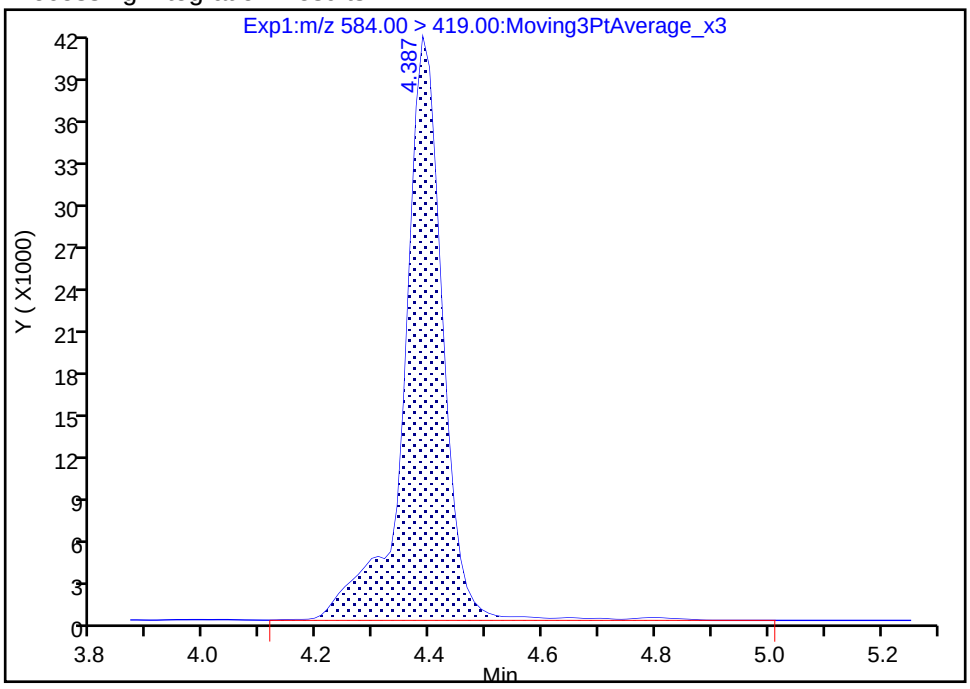
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B06.d				
Injection Date:	04-Aug-2022 14:42:04	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-F MSD				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

33 N-ethylperfluorooctanesulfonamid, CAS: 2991-50-6

Signal: 1

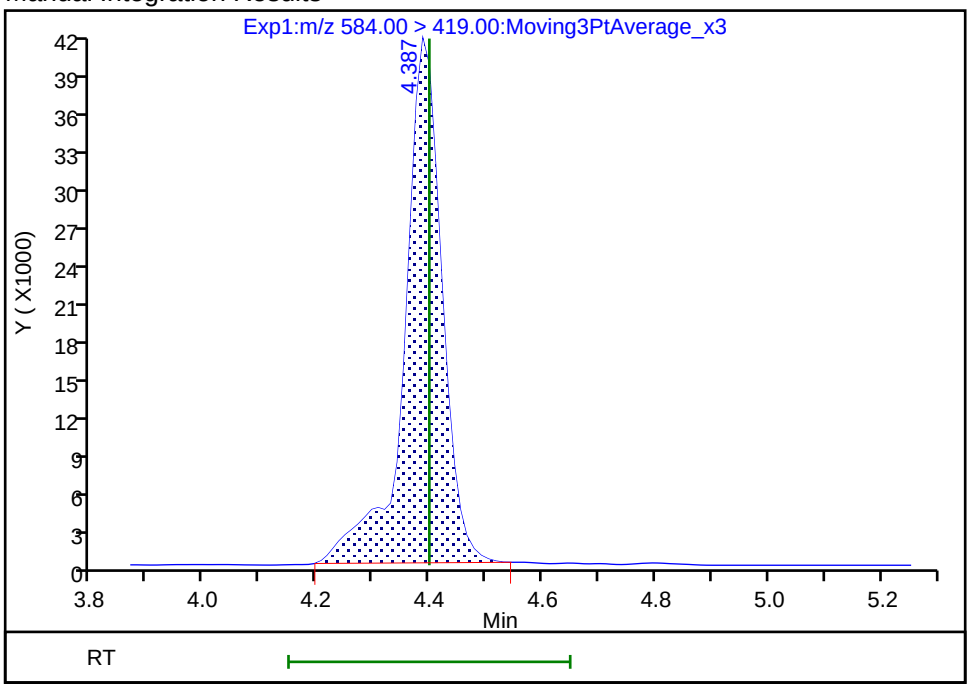
Processing Integration Results

RT: 4.39
Area: 196443
Amount: 1.139320
Amount Units: ng/ml



Manual Integration Results

RT: 4.39
Area: 189698
Amount: 1.100201
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:16:31

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

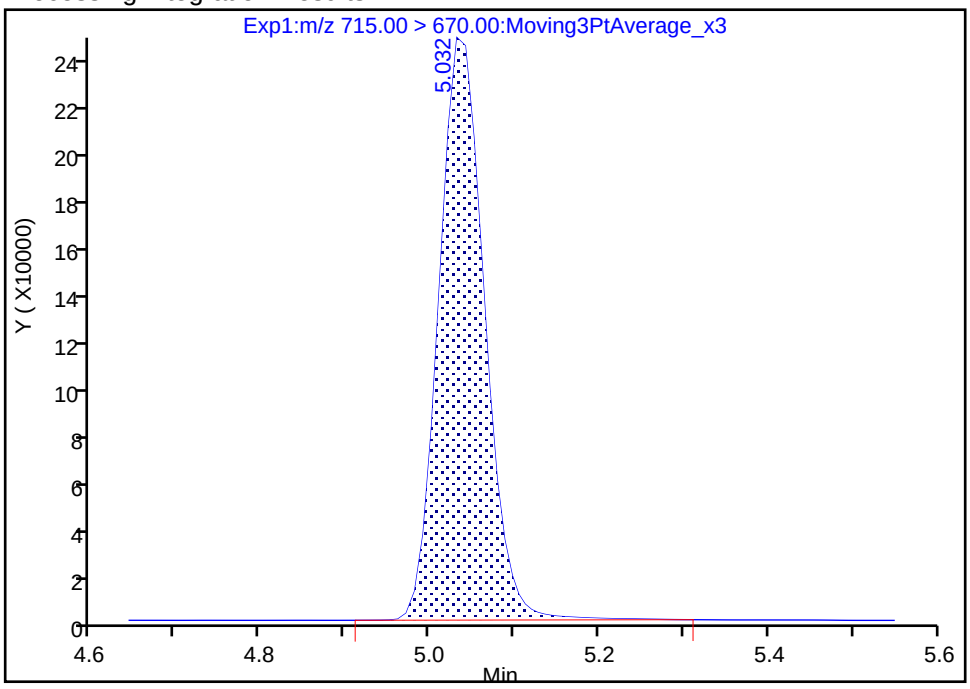
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B06.d				
Injection Date:	04-Aug-2022 14:42:04	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-F MSD				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 43 13C2 PFTeDA, CAS: STL02116

Signal: 1

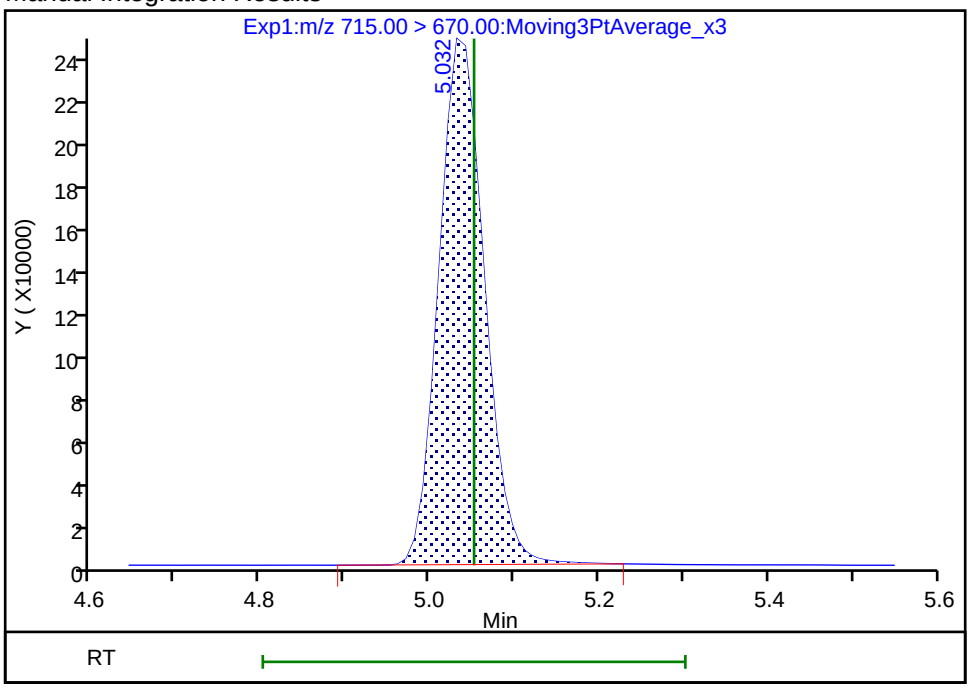
Processing Integration Results

RT: 5.03
Area: 917697
Amount: 1.130225
Amount Units: ng/ml



Manual Integration Results

RT: 5.03
Area: 912661
Amount: 1.124023
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:16:59

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

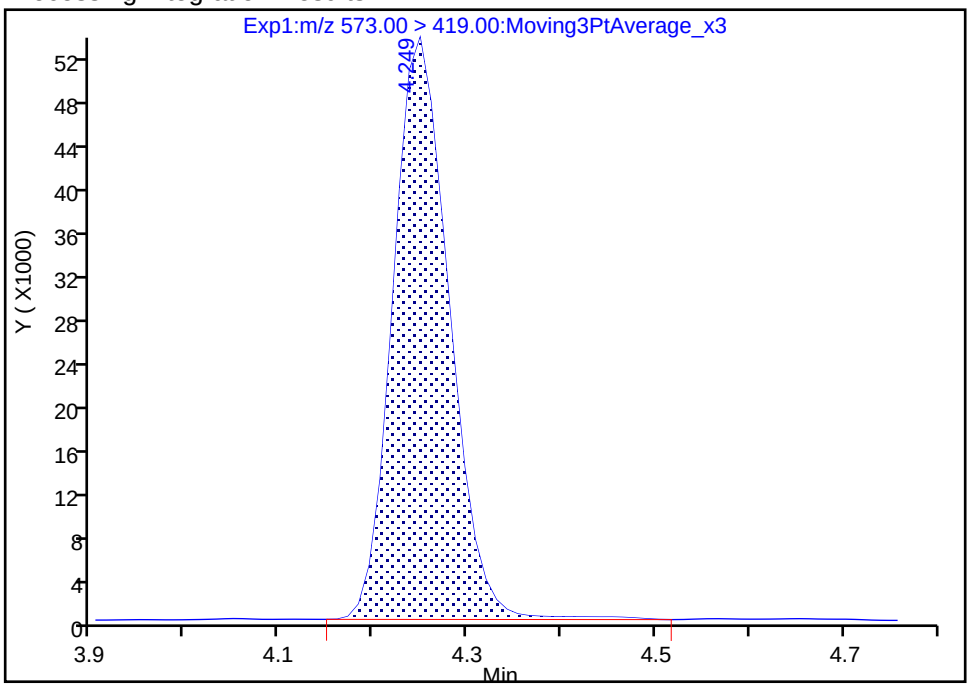
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B06.d				
Injection Date:	04-Aug-2022 14:42:04	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-F MSD				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 27 d3-NMeFOSAA, CAS: STL02118

Signal: 1

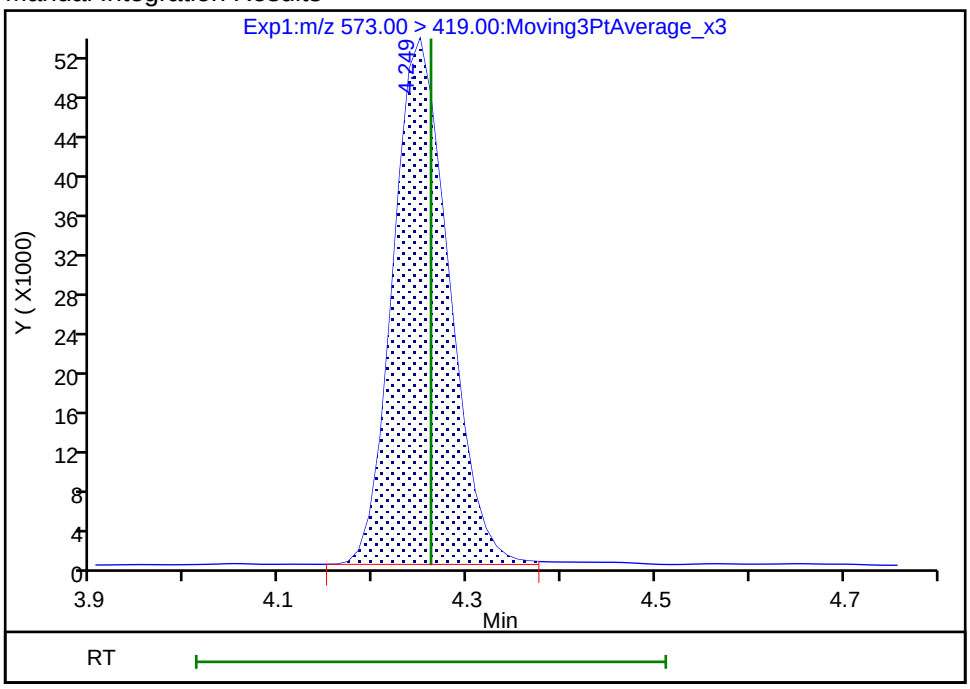
Processing Integration Results

RT: 4.25
Area: 220878
Amount: 1.302653
Amount Units: ng/ml



Manual Integration Results

RT: 4.25
Area: 219326
Amount: 1.293500
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:01:56

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

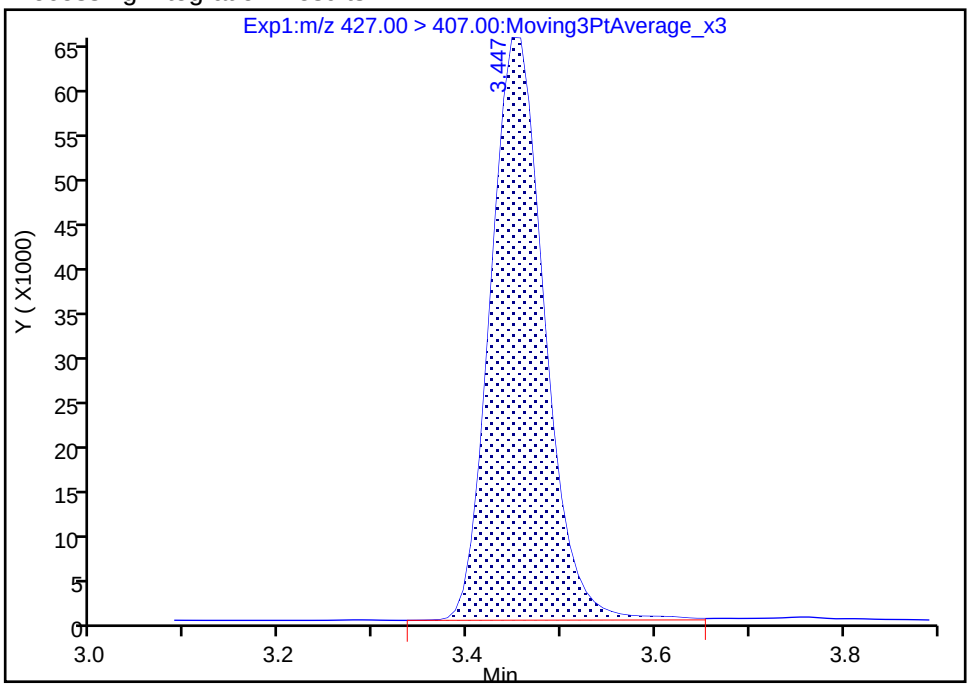
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B06.d				
Injection Date:	04-Aug-2022 14:42:04	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-F MSD				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

13 1H,1H,2H,2H-perfluorooctanesulfo, CAS: 27619-97-2

Signal: 1

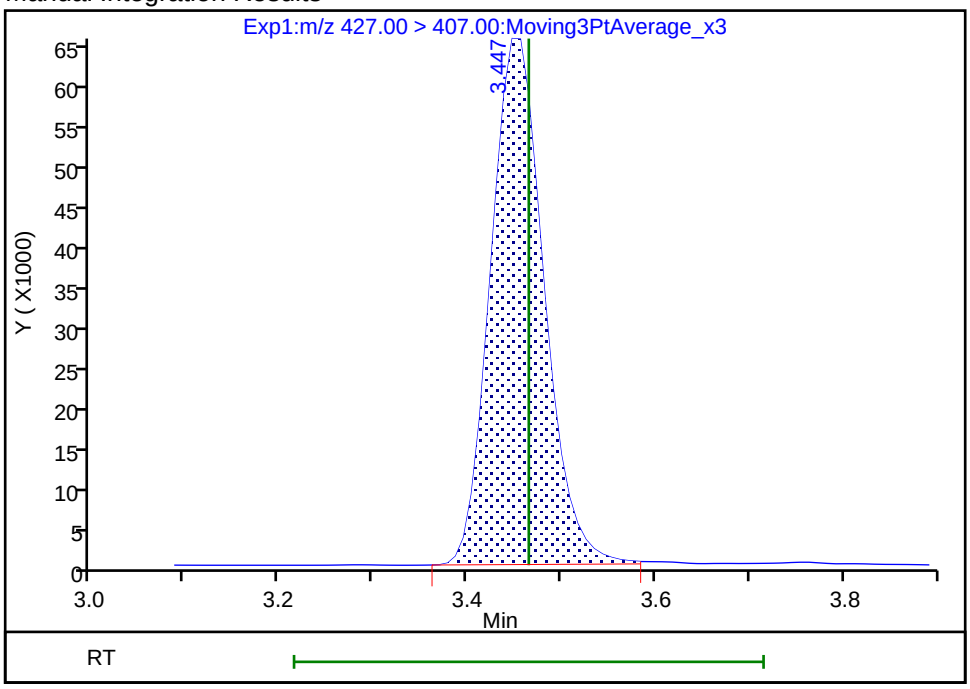
Processing Integration Results

RT: 3.45
Area: 259823
Amount: 1.025367
Amount Units: ng/ml



Manual Integration Results

RT: 3.45
Area: 257566
Amount: 1.025357
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:03:22

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

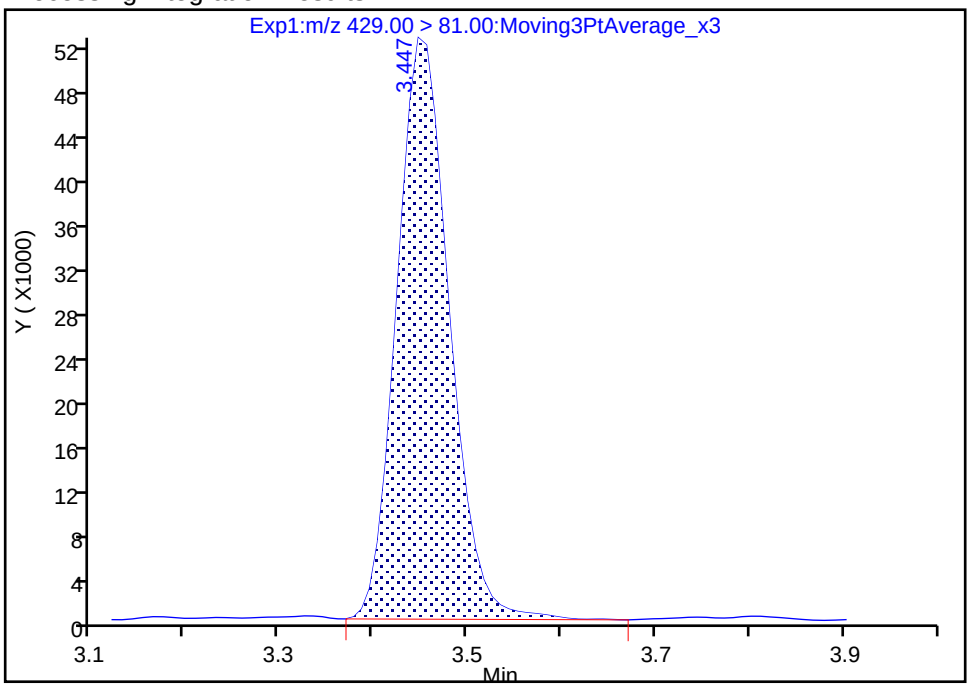
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B06.d				
Injection Date:	04-Aug-2022 14:42:04	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-F MSD				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 12 M2-6:2 FTS, CAS: STL02279

Signal: 1

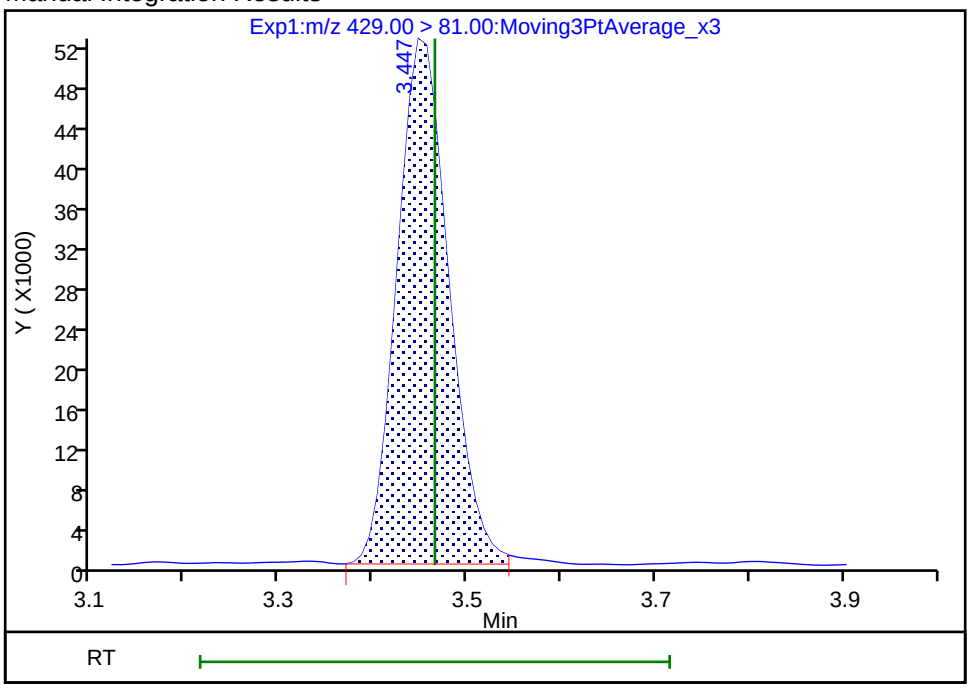
Processing Integration Results

RT: 3.45
Area: 203593
Amount: 1.266807
Amount Units: ng/ml



Manual Integration Results

RT: 3.45
Area: 201404
Amount: 1.253186
Amount Units: ng/ml



Reviewer: Z1IP, 05-Aug-2022 12:15:49

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

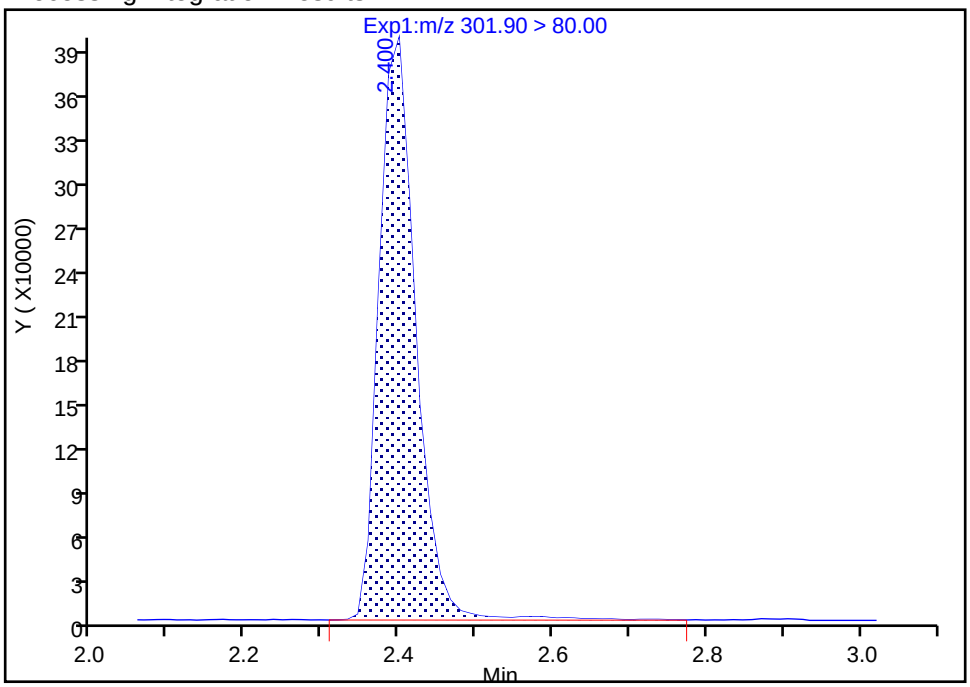
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B06.d				
Injection Date:	04-Aug-2022 14:42:04	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-F MSD				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 47 13C3 PFBS, CAS: STL02337

Signal: 1

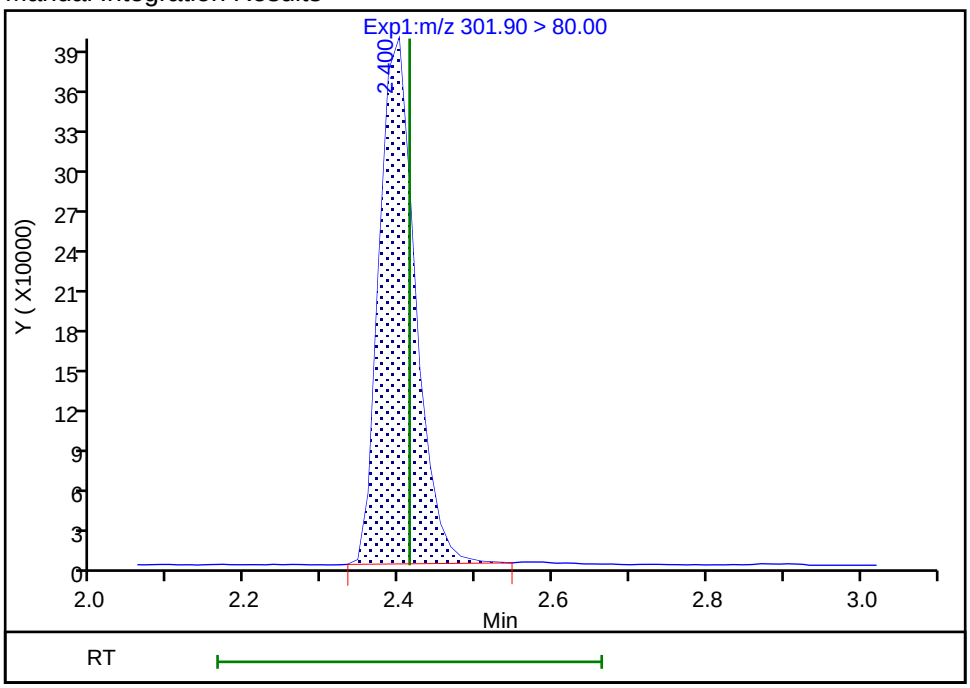
Processing Integration Results

RT: 2.40
Area: 1294015
Amount: 0.947800
Amount Units: ng/ml



Manual Integration Results

RT: 2.40
Area: 1267336
Amount: 0.928259
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:00:29

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Burlington

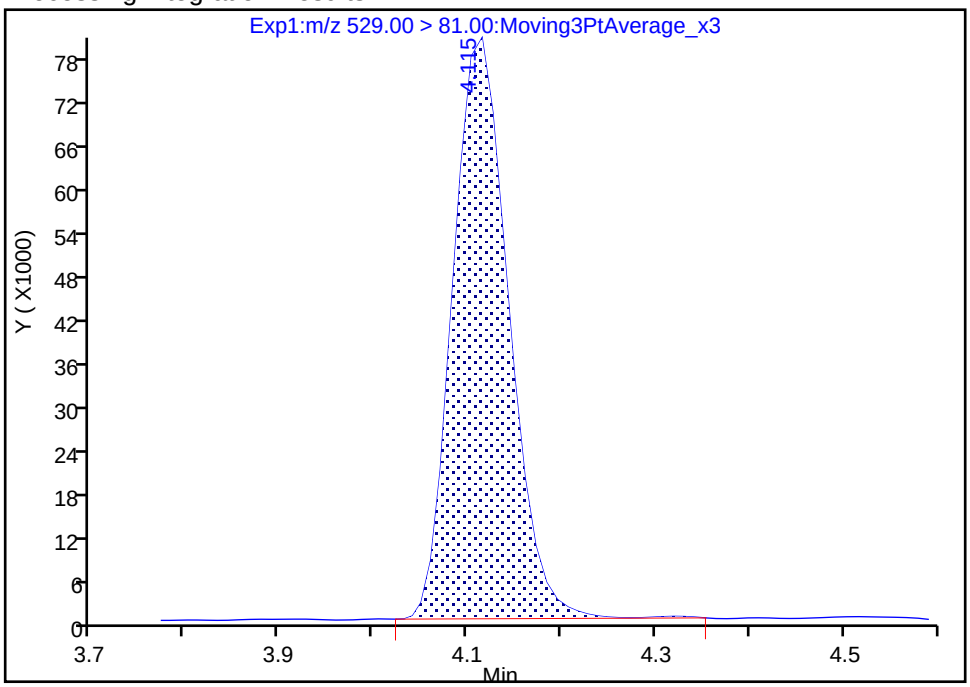
Data File:	\\chromfs\Burlington\ChromData\LC812\20220804-51959.b\PA220804B06.d				
Injection Date:	04-Aug-2022 14:42:04	Instrument ID:	LC812		
Lims ID:	460-262622-A-5-F MSD				
Client ID:	BDS-20P				
Operator ID:	lc812tech	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	20.0 ul	Dil. Factor:	1.0000		
Method:	PFC_LC812	Limit Group:	LC_PFC_ICAL		
Column:	C-18 (4.60 mm)	Detector	EXP1		

D 26 M2-8:2 FTS, CAS: STL02280

Signal: 1

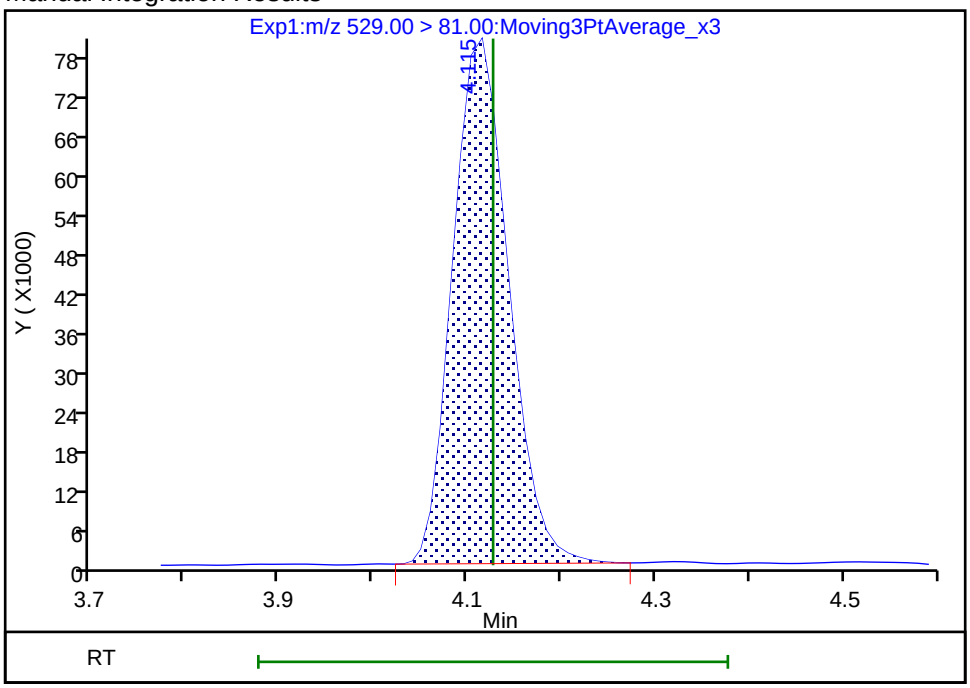
Processing Integration Results

RT: 4.12
Area: 332250
Amount: 1.718183
Amount Units: ng/ml



Manual Integration Results

RT: 4.12
Area: 331204
Amount: 1.712774
Amount Units: ng/ml



Reviewer: nampitakw, 05-Aug-2022 11:01:35

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Instrument ID: LC812 Start Date: 08/03/2022 12:27

Analysis Batch Number: 182319 End Date: 08/03/2022 14:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/03/2022 12:27	1		C-18 4.6(mm)
ZZZZZ		08/03/2022 12:35	1		C-18 4.6(mm)
ZZZZZ		08/03/2022 12:43	1		C-18 4.6(mm)
ZZZZZ		08/03/2022 12:52	1		C-18 4.6(mm)
IC 200-182319/5		08/03/2022 13:00	1	PA220803ICAL05.d	C-18 4.6(mm)
IC 200-182319/6		08/03/2022 13:08	1	PA220803ICAL06.d	C-18 4.6(mm)
IC 200-182319/7		08/03/2022 13:16	1	PA220803ICAL07.d	C-18 4.6(mm)
ICIS 200-182319/8		08/03/2022 13:24	1	PA220803ICAL08.d	C-18 4.6(mm)
IC 200-182319/9		08/03/2022 13:33	1	PA220803ICAL09.d	C-18 4.6(mm)
IC 200-182319/10		08/03/2022 13:41	1	PA220803ICAL10.d	C-18 4.6(mm)
ICB 200-182319/11		08/03/2022 13:49	1	PA220803ICAL11.d	C-18 4.6(mm)
ICV 200-182319/12		08/03/2022 13:57	1	PA220803ICAL12.d	C-18 4.6(mm)
ZZZZZ		08/03/2022 14:05	1		C-18 4.6(mm)

537 (modified)

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Instrument ID: LC812 Start Date: 08/04/2022 11:01

Analysis Batch Number: 182364 End Date: 08/04/2022 11:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCB 200-182364/4		08/04/2022 11:01	1	PA220804A04.d	C-18 4.6(mm)
CCVLIS 200-182364/5		08/04/2022 11:09	1	PA220804A05.d	C-18 4.6(mm)

537 (modified)

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Instrument ID: LC812 Start Date: 08/04/2022 14:01

Analysis Batch Number: 182375 End Date: 08/04/2022 16:53

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 200-182375/1		08/04/2022 14:01	1	PA220804B01.d	C-18 4.6(mm)
MB 200-182317/1-A		08/04/2022 14:09	1	PA220804B02.d	C-18 4.6(mm)
LCS 200-182317/2-A		08/04/2022 14:17	1	PA220804B03.d	C-18 4.6(mm)
ZZZZZ		08/04/2022 14:25	1		C-18 4.6(mm)
460-262622-A-5-E MS		08/04/2022 14:33	1	PA220804B05.d	C-18 4.6(mm)
460-262622-A-5-F MSD		08/04/2022 14:42	1	PA220804B06.d	C-18 4.6(mm)
ZZZZZ		08/04/2022 14:50	1		C-18 4.6(mm)
ZZZZZ		08/04/2022 14:58	1		C-18 4.6(mm)
460-262897-1	BCS-09-40 (5-5.5)P	08/04/2022 15:06	1	PA220804B09.d	C-18 4.6(mm)
460-262897-2	BCS-09-41 (5-5.5)P	08/04/2022 15:14	1	PA220804B10.d	C-18 4.6(mm)
460-262897-3	BCS-09-42 (5-5.5)P	08/04/2022 15:23	1	PA220804B11.d	C-18 4.6(mm)
460-262897-4	BCS-09-43 (5-5.5)P	08/04/2022 15:31	1	PA220804B12.d	C-18 4.6(mm)
CCV 200-182375/13		08/04/2022 15:39	1	PA220804B13.d	C-18 4.6(mm)
460-262897-5	BCS-09-36 (6-6.5)P	08/04/2022 15:47	1	PA220804B14.d	C-18 4.6(mm)
460-262897-6	BCS-09-37 (6-6.5)P	08/04/2022 15:55	1	PA220804B15.d	C-18 4.6(mm)
460-262897-7	BCS-09-38 (6-6.5)P	08/04/2022 16:03	1	PA220804B16.d	C-18 4.6(mm)
460-262897-8	BCS-09-39 (6-6.5)P	08/04/2022 16:12	1	PA220804B17.d	C-18 4.6(mm)
460-262897-9	BCS-09-24 (5-5.5)P	08/04/2022 16:20	1	PA220804B18.d	C-18 4.6(mm)
460-262897-10	BCS-09-25 (5-5.5)P	08/04/2022 16:28	1	PA220804B19.d	C-18 4.6(mm)
460-262897-11	BCS-09-26 (5-5.5)P	08/04/2022 16:36	1	PA220804B20.d	C-18 4.6(mm)
460-262897-12	BCS-09-27 (5-5.5)P	08/04/2022 16:44	1	PA220804B21.d	C-18 4.6(mm)
CCV 200-182375/22		08/04/2022 16:53	1	PA220804B22.d	C-18 4.6(mm)

537 (modified)

PFAS ANALYSIS RUN LOG

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Instrument ID: LC812 Start Date: 08/04/2022 17:01

Analysis Batch Number: 182386 End Date: 08/04/2022 20:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 200-182386/1		08/04/2022 17:01	1	PA220804C01.d	C-18 4.6(mm)
MB 200-182374/1-A		08/04/2022 17:09	1	PA220804C02.d	C-18 4.6(mm)
LCS 200-182374/2-A		08/04/2022 17:17	1	PA220804C03.d	C-18 4.6(mm)
LCSD 200-182374/3-A		08/04/2022 17:25	1	PA220804C04.d	C-18 4.6(mm)
ZZZZZ		08/04/2022 17:34	1		C-18 4.6(mm)
ZZZZZ		08/04/2022 17:42	1		C-18 4.6(mm)
ZZZZZ		08/04/2022 17:50	1		C-18 4.6(mm)
460-262897-13	FB_20220729	08/04/2022 17:58	1	PA220804C08.d	C-18 4.6(mm)
ZZZZZ		08/04/2022 18:06	1		C-18 4.6(mm)
ZZZZZ		08/04/2022 18:14	1		C-18 4.6(mm)
ZZZZZ		08/04/2022 18:23	1		C-18 4.6(mm)
CCV 200-182386/12		08/04/2022 18:31	1	PA220804C12.d	C-18 4.6(mm)
ZZZZZ		08/04/2022 18:39	1		C-18 4.6(mm)
ZZZZZ		08/04/2022 18:47	1		C-18 4.6(mm)
ZZZZZ		08/04/2022 18:55	1		C-18 4.6(mm)
ZZZZZ		08/04/2022 19:04	1		C-18 4.6(mm)
ZZZZZ		08/04/2022 19:12	1		C-18 4.6(mm)
ZZZZZ		08/04/2022 19:20	1		C-18 4.6(mm)
ZZZZZ		08/04/2022 19:28	1		C-18 4.6(mm)
ZZZZZ		08/04/2022 19:36	10		C-18 4.6(mm)
ZZZZZ		08/04/2022 19:44	10		C-18 4.6(mm)
ZZZZZ		08/04/2022 19:53	10		C-18 4.6(mm)
ZZZZZ		08/04/2022 20:01	1		C-18 4.6(mm)
ZZZZZ		08/04/2022 20:09	1		C-18 4.6(mm)
ZZZZZ		08/04/2022 20:17	1		C-18 4.6(mm)
CCV 200-182386/26		08/04/2022 20:25	1		C-18 4.6(mm)

537 (modified)

PFAS BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Batch Number: 182317 Batch Start Date: 08/03/22 11:39 Batch Analyst: McKenzie-Smith, Charles

Batch Method: SHAKE Batch End Date: 08/03/22 19:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	LCPFC32MTXStk 00045	LCPFIDA21_spk 00004	PFAS21 IS Stk 00045	AnalysisComment
MB 200-182317/1		SHAKE, 537 (modified)		5.00 g	10 mL		100 uL	100 uL	
LCS 200-182317/2		SHAKE, 537 (modified)		5.00 g	10 mL	25 uL	100 uL	100 uL	
460-262622-A-5 MS		SHAKE, 537 (modified)	T	5.11 g	10 mL	25 uL	100 uL	100 uL	high moisture
460-262622-A-5 MSD		SHAKE, 537 (modified)	T	5.15 g	10 mL	25 uL	100 uL	100 uL	high moisture
460-262897-A-1	BCS-09-40 (5-5.5)P	SHAKE, 537 (modified)	T	5.30 g	10 mL		100 uL	100 uL	
460-262897-A-2	BCS-09-41 (5-5.5)P	SHAKE, 537 (modified)	T	5.27 g	10 mL		100 uL	100 uL	
460-262897-A-3	BCS-09-42 (5-5.5)P	SHAKE, 537 (modified)	T	5.23 g	10 mL		100 uL	100 uL	high moisture
460-262897-A-4	BCS-09-43 (5-5.5)P	SHAKE, 537 (modified)	T	5.06 g	10 mL		100 uL	100 uL	high moisture
460-262897-A-5	BCS-09-36 (6-6.5)P	SHAKE, 537 (modified)	T	5.26 g	10 mL		100 uL	100 uL	
460-262897-A-6	BCS-09-37 (6-6.5)P	SHAKE, 537 (modified)	T	5.08 g	10 mL		100 uL	100 uL	
460-262897-A-7	BCS-09-38 (6-6.5)P	SHAKE, 537 (modified)	T	5.21 g	10 mL		100 uL	100 uL	
460-262897-A-8	BCS-09-39 (6-6.5)P	SHAKE, 537 (modified)	T	5.22 g	10 mL		100 uL	100 uL	
460-262897-A-9	BCS-09-24 (5-5.5)P	SHAKE, 537 (modified)	T	5.09 g	10 mL		100 uL	100 uL	
460-262897-A-10	BCS-09-25 (5-5.5)P	SHAKE, 537 (modified)	T	5.25 g	10 mL		100 uL	100 uL	
460-262897-A-11	BCS-09-26 (5-5.5)P	SHAKE, 537 (modified)	T	5.33 g	10 mL		100 uL	100 uL	
460-262897-A-12	BCS-09-27 (5-5.5)P	SHAKE, 537 (modified)	T	5.15 g	10 mL		100 uL	100 uL	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Batch Number: 182317 Batch Start Date: 08/03/22 11:39 Batch Analyst: McKenzie-Smith, Charles

Batch Method: SHAKE Batch End Date: 08/03/22 19:00

Batch Notes	
Balance ID	M02926
Blank Sand Lot #	1535274
Analyst ID - Reagent Drop Witness	NDD
SPE Cartridge Lot ID	Sorbent Lot: M04041/1252 Product Lot: D03036
SPE Cartridge Type	Phenomenex Strata PFAS (WAX/GCB), 500mg/50mg/6mL
Hexane ID	30% MeOH in DI Water: 1636747
Methanol ID	218262
Ammonium Hydroxide/MeOH ID	1635899
Sodium Hydroxide ID	1628666
Methanolic Potassium Hydroxide ID	1629505
Manifold ID	IDA 1, IDA 2
Acetic Acid ID	1453517
pH Indicator ID	20D1211
Pipette/Syringe/Dispenser ID	QH777727
Analyst ID - IS Reagent Drop	EK
Analyst ID - IS Reagent Drop Witness	CMS
Internal Standard ID	1618459
Analyst ID - Aliquot Step	EK
Analyst ID - Final Volume Step	EK
Sonication Start Time	08/04/2022 13:20
Sonication Stop Time	08/04/2022 16:20
Centrifuge Tube ID	352070
QC Bottle Lot ID	LOT0400401G
Batch Comment	IDA:C MTX:C 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.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Batch Number: 182319 Batch Start Date: 08/03/22 12:27 Batch Analyst: Dean, Nathan

Batch Method: 537 (modified) Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	LCPFAS28NCICV 00009	PFAS32NCBLK20 00021	PFAS32NCIC1 00013	PFAS32NCIC2 00012	PFAS32NCIC3 00014	PFAS32NCIC4 00033
IC 200-182319/5		537 (modified)				100 uL			
IC 200-182319/6		537 (modified)					100 uL		
IC 200-182319/7		537 (modified)						100 uL	
ICIS 200-182319/8		537 (modified)							100 uL
IC 200-182319/9		537 (modified)							
IC 200-182319/10		537 (modified)							
ICB 200-182319/11		537 (modified)			100 uL				
ICV 200-182319/12		537 (modified)		100 uL					

Lab Sample ID	Client Sample ID	Method Chain	Basis	PFAS32NCIC5 00028	PFAS32NCIC6 00012				
IC 200-182319/5		537 (modified)							
IC 200-182319/6		537 (modified)							
IC 200-182319/7		537 (modified)							
ICIS 200-182319/8		537 (modified)							
IC 200-182319/9		537 (modified)		100 uL					
IC 200-182319/10		537 (modified)			100 uL				
ICB 200-182319/11		537 (modified)							
ICV 200-182319/12		537 (modified)							

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Batch Number: 182319 Batch Start Date: 08/03/22 12:27 Batch Analyst: Dean, Nathan

Batch Method: 537 (modified) Batch End Date:

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Batch Number: 182364 Batch Start Date: 08/04/22 11:01 Batch Analyst: Dean, Nathan

Batch Method: 537 (modified) Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	PFAS32NCBLK20 00021	PFAS32NCLOQV 00022				
CCB 200-182364/4		537 (modified)		100 uL					
CCVLIS 200-182364/5		537 (modified)			100 uL				

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Batch Number: 182374 Batch Start Date: 08/04/22 11:45 Batch Analyst: McKenzie-Smith, Charles

Batch Method: 3535 Batch End Date: 08/04/22 17:20

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	LCPFC32MTXStk 00045	LCPFIDA21_spk 00004
MB 200-182374/1		3535, 537 (modified)		250 g	0 g	250 mL	10 mL		100 uL
LCS 200-182374/2		3535, 537 (modified)		250 g	0 g	250 mL	10 mL	50 uL	100 uL
LCSD 200-182374/3		3535, 537 (modified)		250 g	0 g	250 mL	10 mL	50 uL	100 uL
460-262897-A-13	FB_20220729	3535, 537 (modified)	T	314.52 g	26.76 g	287.8 mL	10 mL		100 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	PFAS21 IS Stk 00045					
MB 200-182374/1		3535, 537 (modified)		100 uL					
LCS 200-182374/2		3535, 537 (modified)		100 uL					
LCSD 200-182374/3		3535, 537 (modified)		100 uL					
460-262897-A-13	FB_20220729	3535, 537 (modified)	T	100 uL					

Batch Notes	
SPE Cartridge Type	Strata PFAS (WAX/GBC) 500mg/50mg/6mg
SPE Cartridge Lot ID	Sorbent Lot: M04041/1252 Prod Lot: D03036
Balance ID	M02926
Manifold ID	IDA 1&2
Pipette/Syringe/Dispenser ID	QH77727
Solvent Name	Methanol (0.3% NH4OH)
Solvent Lot #	1635899
Rinse Solvent Name	30% MeOH
Rinse Solvent Lot	1636747
Analyst ID - Spike Analyst	CMS
Analyst ID - Spike Witness Analyst	NDD
Batch Comment	IDA:E MTX:D IS:D

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PFAS BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Batch Number: 182374 Batch Start Date: 08/04/22 11:45 Batch Analyst: McKenzie-Smith, Charles

Batch Method: 3535 Batch End Date: 08/04/22 17:20

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: 460-262897-1

SDG No.:

Project: Taconic Inwood Lot 9

Client Sample ID	Lab Sample ID
BCS-09-40 (5-5.5)P	460-262897-1
BCS-09-41 (5-5.5)P	460-262897-2
BCS-09-42 (5-5.5)P	460-262897-3
BCS-09-43 (5-5.5)P	460-262897-4
BCS-09-36 (6-6.5)P	460-262897-5
BCS-09-37 (6-6.5)P	460-262897-6
BCS-09-38 (6-6.5)P	460-262897-7
BCS-09-39 (6-6.5)P	460-262897-8
BCS-09-24 (5-5.5)P	460-262897-9
BCS-09-25 (5-5.5)P	460-262897-10
BCS-09-26 (5-5.5)P	460-262897-11
BCS-09-27 (5-5.5)P	460-262897-12

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Burlington Job Number: 460-262897-1

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.: 460-262897-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 08/03/2022 16:46 End Date: 08/03/2022 16:46

Lab Sample ID	D / F	Type	Time	Analytes																			
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460-262554-A-6 DU	1	T	16:46	X																			
460-262897-1	1	T	16:46	X																			
460-262897-2	1	T	16:46	X																			
460-262897-3	1	T	16:46	X																			
460-262897-4	1	T	16:46	X																			
460-262897-5	1	T	16:46	X																			
460-262897-6	1	T	16:46	X																			
460-262897-7	1	T	16:46	X																			
460-262897-8	1	T	16:46	X																			
460-262897-9	1	T	16:46	X																			
460-262897-10	1	T	16:46	X																			
460-262897-11	1	T	16:46	X																			
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 08/03/2022 16:46 End Date: 08/03/2022 16:46

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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 08/03/2022 16:46 End Date: 08/03/2022 16:46

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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 08/03/2022 16:46 End Date: 08/03/2022 16:46

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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 08/03/2022 16:46 End Date: 08/03/2022 16:46

Lab Sample ID	D / F	Type	Time	Analytes																			
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ZZZZZZ			16:46																				
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Prep Types

T = Total/NA

General Chemistry Raw Data Report

Job ID: 460-262897-1

Batch: 182338 **Analyst Initials: RWM**

Method: Moisture **Instrument: No Equipment**

Lab Sample ID: 460-262554-A-6 DU **Analysis Date: Aug 03, 2022 16:46**

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	89.0445859872611	%

Lab Sample ID: 460-262897-A-1 **Analysis Date: Aug 03, 2022 16:46**

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	95.9026888604353	%

Lab Sample ID: 460-262897-A-2 **Analysis Date: Aug 03, 2022 16:46**

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	90.4033379694019	%

Lab Sample ID: 460-262897-A-3 **Analysis Date: Aug 03, 2022 16:46**

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	82.293986636971	%

Lab Sample ID: 460-262897-A-4 **Analysis Date: Aug 03, 2022 16:46**

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	82.9001367989056	%

Lab Sample ID: 460-262897-A-5 **Analysis Date: Aug 03, 2022 16:46**

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	95.5399061032864	%

Lab Sample ID: 460-262897-A-6 **Analysis Date: Aug 03, 2022 16:46**

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	91.5233415233415	%

Lab Sample ID: 460-262897-A-7 **Analysis Date: Aug 03, 2022 16:46**

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	88.7874837027379	%

Lab Sample ID: 460-262897-A-8 **Analysis Date: Aug 03, 2022 16:46**

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	91.3939393939394	%

Lab Sample ID: 460-262897-A-9 **Analysis Date: Aug 03, 2022 16:46**

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	94.1775836972343	%

Lab Sample ID: 460-262897-A-10 **Analysis Date: Aug 03, 2022 16:46**

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	95.4607977991747	%

Batch: 182338 (Continued)
Method: Moisture

Analyst Initials: RWM
Instrument: No Equipment

Lab Sample ID: 460-262897-A-11

Analysis Date: Aug 03, 2022 16:46

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	88.4661117717004	%

Lab Sample ID: 460-262897-A-12

Analysis Date: Aug 03, 2022 16:46

Analyte	Detector	Dilution	Raw Result	Unit
Percent Solids	None	1	94.9677419354839	%

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Batch Number: 182338 Batch Start Date: 08/03/22 16:46 Batch Analyst: McNabb, Robert W

Batch Method: Moisture Batch End Date: 08/04/22 09:47

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry	%_Moisture	%_Solid	
460-262554-A-6 DU		Moisture	T	1.00 g	8.85 g	7.99 g	10.9554140127389 %	89.0445859872611 %	
460-262897-A-1	BCS-09-40 (5-5.5)P	Moisture	T	1.02 g	8.83 g	8.51 g	4.0973111395647 %	95.9026888604353 %	
460-262897-A-2	BCS-09-41 (5-5.5)P	Moisture	T	0.99 g	8.18 g	7.49 g	9.5966620305981 %	90.4033379694019 %	
460-262897-A-3	BCS-09-42 (5-5.5)P	Moisture	T	1.01 g	9.99 g	8.40 g	17.706013363029 %	82.293986636971 %	
460-262897-A-4	BCS-09-43 (5-5.5)P	Moisture	T	1.01 g	8.32 g	7.07 g	17.0998632010944 %	82.9001367989056 %	
460-262897-A-5	BCS-09-36 (6-6.5)P	Moisture	T	1.00 g	9.52 g	9.14 g	4.4600938967136 %	95.5399061032864 %	
460-262897-A-6	BCS-09-37 (6-6.5)P	Moisture	T	1.01 g	9.15 g	8.46 g	8.4766584766585 %	91.5233415233415 %	
460-262897-A-7	BCS-09-38 (6-6.5)P	Moisture	T	1.01 g	8.68 g	7.82 g	11.2125162972621 %	88.7874837027379 %	
460-262897-A-8	BCS-09-39 (6-6.5)P	Moisture	T	1.01 g	9.26 g	8.55 g	8.60606060606059 %	91.3939393939394 %	
460-262897-A-9	BCS-09-24 (5-5.5)P	Moisture	T	1.01 g	7.88 g	7.48 g	5.82241630276573 %	94.1775836972343 %	
460-262897-A-10	BCS-09-25 (5-5.5)P	Moisture	T	1.01 g	8.28 g	7.95 g	4.53920220082538 %	95.4607977991747 %	
460-262897-A-11	BCS-09-26 (5-5.5)P	Moisture	T	1.01 g	9.42 g	8.45 g	11.5338882282996 %	88.4661117717004 %	
460-262897-A-12	BCS-09-27 (5-5.5)P	Moisture	T	1.03 g	8.78 g	8.39 g	5.03225806451615 %	94.9677419354839 %	

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 BATCH WORKSHEET

Lab Name: Eurofins Burlington Job No.: 460-262897-1

SDG No.:

Batch Number: 182338 Batch Start Date: 08/03/22 16:46 Batch Analyst: McNabb, Robert W

Batch Method: Moisture Batch End Date: 08/04/22 09:47

Batch Notes	
Balance ID	M78711
Oven ID	WC OVEN #2
Thermometer ID	328 (CF=0)
Date samples were placed in the oven	08/03/2022
Time samples were place in the oven	16:46
Temperature - Start - Uncorrected	109 Degrees C
Oven Temp In	109 Degrees C
Date samples were removed from oven	08/04/2022
Time Samples were removed from oven	08:46
Temperature - End - Uncorrected	106 Degrees C
Oven Temp Out	106 Degrees C
Date and Time Samples in Desiccator	08/04/2022 08:46
Date and Time Samples out of Desiccator	08/04/2022 09:01

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.

Subcontract Data

Shipping and Receiving Documents

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

NYC 222

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler:	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No:
Client Contact: Ms. Valerie Sabatasso	Phone:	E-Mail: Melissa.Haas@et.eurofinsus.com	State of Origin: NY	Page: Page 1 of 2
Company: Roux Environmental Eng & Geology DPC	PWSID:			Job #: 262897

Address: 209 Shafter St	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Islandia	TAT Requested (days): 5 DAYS		A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: NY, 11749	Compliance Project: Δ Yes Δ No		
Phone:	PO #: 2477.0008Y00Z		Other:
Email: vsabatasso@rouxinc.com	WO #: 410 W 207th St, New York, NY		
Project Name: Taconic Inwood	Project #: 46026799		
Site:	SSOW#:		

460-262897 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC-IDA - PFAS, Standard List (21 analytes)	Tot...	Special Instructions/Note:
			Preservation Code:				N		
09-40 (5-5.5) P	7/29/22	1005	G	S			X		1
09-41 (5-5.5) P		1010							2
09-42 (5-5.5) P		1015							3
09-43 (5-5.5) P		1020							4
09-36 (6-6.5) P		945							5
09-37 (6-6.5) P		950							6
09-38 (6-6.5) P		955							7
09-39 (6-6.5) P		1000							8
09-24 (5-5.5) P		1230							9
09-25 (5-5.5) P		1240							10
09-26 (5-5.5) P		1250							11

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Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) **NY CAT B**

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		7/29/22 1310	Roux		7/29/22 1400	
2		7/29/22 1800			7/29/22 1800	
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

3034 Reg

Ver: 01/16/2019

09/09/2022

...ham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

eurofins Environment Testing America

NYC 222

Client Information	Sampler: Luke Rush	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No:
Client Contact: Ms. Valerie Sabatasso	Phone: 845 905 6286	E-Mail: Melissa.Haas@et.eurofinsus.com	State of Origin: NY	Page: Page 2 of 2
Company: Roux Environmental Eng & Geology DPC	PWSID:	Analysis Requested		Job #: 262892
Address: 209 Shafter St	Due Date Requested:			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
City: Islandia	TAT Requested (days): 5 DAYS			
State, Zip: NY, 11749	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 2477.0008Y002			
Email: vsabatasso@rouxinc.com	WO #: 410 W 207th St, New York, NY			Other:
Project Name: Taconic Inwood	Project #: 46026799			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC-IDA - PFAS, Standard List (21 analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
B9-27 (5-5.5)P	7/29/22	1300	G	S			X		12
FB_20220729	7/29/22	1305	FB	W			X		13

SUB WORK

Page 1952 of 1958

08/09/2022

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) NY CAT B

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	7/29/22 1310	Roux		7/29/22 1600	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	7/29/22 1800			7/29 1800	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

3034 720

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 262872

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	3.6 °C	3.6 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: _____ Date: 7 29 22

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

460-262897 Chain of Custody

Eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Haas, Melissa		793 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Melissa Haas@et.eurofinsus com	State of Origin: New York	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - New York		Job #: 460-262897-1
Address: 530 Community Drive, Suite 11,	Due Date Requested: 8/4/2022			
City: South Burlington	TAT Requested (days):			
State, Zip: VT, 05403				
Phone: 802-660-1990(Tel) 802-660-1919(Fax)	PO #:			
Email:	WO #:			
Project Name: Taconic Inwood	Project #: 46026799			
Site	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA/Shake_Bath_14D PFAS, Standard List (21 analytes)	Moisture	PFC_IDA/3535_IVWT PFAS, Standard List (21 Analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
09-40 (5-5.5)P (460-262897-1)	7/29/22	10:05 Eastern		Solid			X	X		1	
09-41 (5-5 5)P (460-262897-2)	7/29/22	10:10 Eastern		Solid			X	X		1	
09-42 (5-5.5)P (460-262897-3)	7/29/22	10.15 Eastern		Solid			X	X		1	
09-43 (5-5 5)P (460-262897-4)	7/29/22	10.20 Eastern		Solid			X	X		1	
09-36 (6-6 5)P (460-262897-5)	7/29/22	09:45 Eastern		Solid			X	X		1	
09-37 (6-6 5) (460-262897-6)	7/29/22	09:50 Eastern		Solid			X	X		1	
09-38 (6-6.5) (460-262897-7)	7/29/22	09.55 Eastern		Solid			X	X		1	
09-39 (6-6.5) (460-262897-8)	7/29/22	10:00 Eastern		Solid			X	X		1	
09-24 (5-5.5) (460-262897-9)	7/29/22	12:30 Eastern		Solid			X	X		1	

Note Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing Northeast, LLC

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by.	Date	Time:	Method of Shipment:

Relinquished by:	Date/Time: 8/1/22 1600	Company: ETNJ	Received by: Caroline Cuomo	Date/Time: 8/2/22 1030	Company: ETA-Buf
Relinquished by:	Date/Time:	Company	Received by:	Date/Time.	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No..	Cooler Temperature(s) °C and Other Remarks

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Haas, Melissa	Carrier Tracking No(s)	COC No: 460-65793 2
Client Contact: Shipping/Receiving	Phone	E-Mail: Melissa.Haas@et.eurofinsus.com	State of Origin: New York	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - New York		Job #: 460-262897-1
Address: 530 Community Drive, Suite 11,	Due Date Requested: 8/4/2022			
City: South Burlington	TAT Requested (days):			
State, Zip: VT, 05403				
Phone: 802-660-1990(Tel) 802-660-1919(Fax)	PO #:			
Email	WO #:			
Project Name: Taconic Inwood	Project #: 46026799			
Site	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA/Shake_Bath_14D PFAS, Standard List (21 analytes)	Moisture	PFC_IDA/3535_IVWT PFAS, Standard List (21 Analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
08-25 (5-5.5) (460-262897-10)	7/29/22	12:40 Eastern		Solid			X	X		1	
08-26 (5-5.5) (460-262897-11)	7/29/22	12:50 Eastern		Solid			X	X		1	
08-27 (5-5 5)P (460-262897-12)	7/29/22	13:00 Eastern		Solid			X	X		1	
FB_20220729 (460-262897-13)	7/29/22	13:05 Eastern		Water					X	2	

Note. Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank. 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by	Date:	Time.	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		8/1/22 1600	ETA	Caleb Cummi	8/2/22 1630	ETA-Burl
2	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
3	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No :	Cooler Temperature(s) °C and Other Remarks

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08/09/2022


KENNETH RIVERA
9083615236
EUROFINS EDISON
777 NEW DURHAM ROAD
EDISON NJ 08817

50 LBS

1 OF 1

SHIP TO:
SAMPLE RECEIVING
8026551203
EUROFINS BURLINGTON
530 COMMUNITY DRIVE SUITE 11
SOUTH BURLINGTON VT 05403

VT 054 0-02

UPS NEXT DAY AIR

1

TRACKING #: 1Z 73R 91R 01 9469 4522

BILLING: P/P

XOL 22.08.04 NV45 32.0A 07/2022*

TM

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-262897-1

Login Number: 262897
List Number: 1
Creator: DiGuardia, Joseph L

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-262897-1

Login Number: 262897
List Number: 2
Creator: Cunningham, Caroline R

List Source: Eurofins Burlington
List Creation: 08/03/22 08:21 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.6ºC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	